



In Collaboration with

s p e a g**CALIBRATION LABORATORY**

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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	8.30	± 9.6 %
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10778	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10780	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %



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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	8.40	± 9.6 %
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %



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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	5.90	± 9.6 %
10937	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAB	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %



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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	9.40	± 9.6 %
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %
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	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	± 9.6 %
10984	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	± 9.6 %
10986	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	± 9.6 %
10987	AAC	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	± 9.6 %
10988	AAB	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	± 9.6 %
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	± 9.6 %
10990	AAB	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	± 9.6 %
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	± 9.6 %
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	± 9.6 %
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	± 9.6 %
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	± 9.6 %
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	± 9.6 %
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	± 9.6 %
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	± 9.6 %
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.95	± 9.6 %
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.96	± 9.6 %
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	± 9.6 %
11013	AAB	IEEE 802.11be (320MHz, MCS1, 99pc duty cycle)	WLAN	8.47	± 9.6 %
11014	AAB	IEEE 802.11be (320MHz, MCS2, 99pc duty cycle)	WLAN	8.45	± 9.6 %
11015	AAB	IEEE 802.11be (320MHz, MCS3, 99pc duty cycle)	WLAN	8.44	± 9.6 %
11016	AAB	IEEE 802.11be (320MHz, MCS4, 99pc duty cycle)	WLAN	8.44	± 9.6 %
11017	AAB	IEEE 802.11be (320MHz, MCS5, 99pc duty cycle)	WLAN	8.41	± 9.6 %
11018	AAB	IEEE 802.11be (320MHz, MCS6, 99pc duty cycle)	WLAN	8.40	± 9.6 %
11019	AAB	IEEE 802.11be (320MHz, MCS7, 99pc duty cycle)	WLAN	8.29	± 9.6 %
11020	AAB	IEEE 802.11be (320MHz, MCS8, 99pc duty cycle)	WLAN	8.27	± 9.6 %
11021	AAB	IEEE 802.11be (320MHz, MCS9, 99pc duty cycle)	WLAN	8.46	± 9.6 %
11022	AAB	IEEE 802.11be (320MHz, MCS10, 99pc duty cycle)	WLAN	8.36	± 9.6 %
11023	AAB	IEEE 802.11be (320MHz, MCS11, 99pc duty cycle)	WLAN	8.09	± 9.6 %
11024	AAB	IEEE 802.11be (320MHz, MCS12, 99pc duty cycle)	WLAN	8.42	± 9.6 %
11025	AAB	IEEE 802.11be (320MHz, MCS13, 99pc duty cycle)	WLAN	8.37	± 9.6 %
11026	AAB	IEEE 802.11be (320MHz, MCS0, 99pc duty cycle)	WLAN	8.39	± 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.

Client: 7layers

Certificate No: 24J02Z000853

CALIBRATION CERTIFICATE

Object D750V3 - SN: 1200

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

Calibration date: November 7, 2024

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

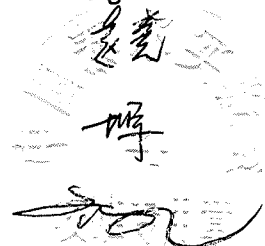
All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

	Name	Function
Calibrated by:	Zhao Jing	SAR Test Engineer
Reviewed by:	Lin Jun	SAR Test Engineer
Approved by:	Qi Dianyuan	SAR Project Leader

Signature



Issued: November 15, 2024

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Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution Corresponds to a coverage probability of approximately 95%.



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<http://www.caict.ac.cn>**Measurement Conditions**

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	15 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	750 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	41.9	0.89 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	41.7 $\pm$ 6 %	0.90 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	2.13 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	8.42 W/kg $\pm$ 18.8 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	1.40 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	5.55 W/kg $\pm$ 18.7 % (k=2)



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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	52.5Ω- 5.04jΩ
Return Loss	- 25.2dB

General Antenna Parameters and Design

Electrical Delay (one direction)	0.939 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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DASY5 Validation Report for Head TSL

Date: 2024-11-07

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN: 1200

Communication System: UID 0, CW; Frequency: 750 MHz

Medium parameters used: $f = 750$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 41.65$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(9.85, 9.85, 9.85) @ 750 MHz; Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.97 V/m; Power Drift = -0.01 dB

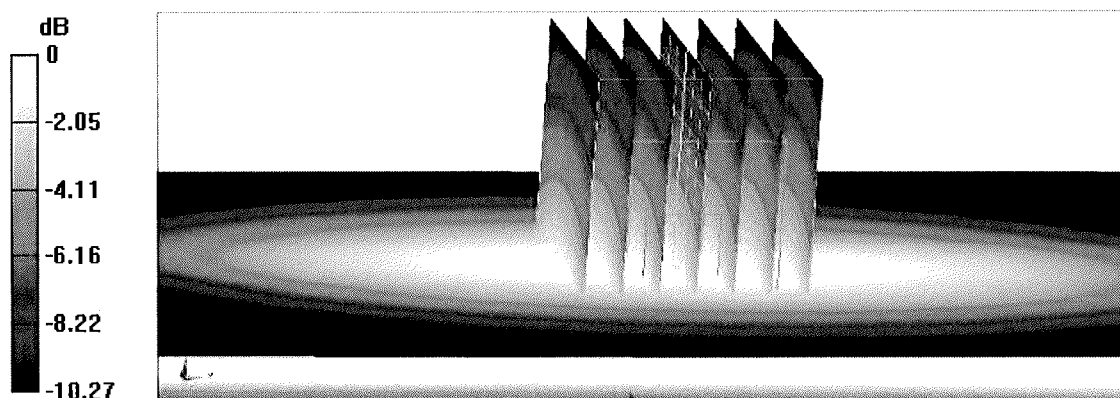
Peak SAR (extrapolated) = 3.39 W/kg

SAR(1 g) = 2.13 W/kg; SAR(10 g) = 1.4 W/kg

Smallest distance from peaks to all points 3 dB below = 17 mm

Ratio of SAR at M2 to SAR at M1 = 63.5%

Maximum value of SAR (measured) = 2.92 W/kg



0 dB = 2.92 W/kg = 4.65 dBW/kg



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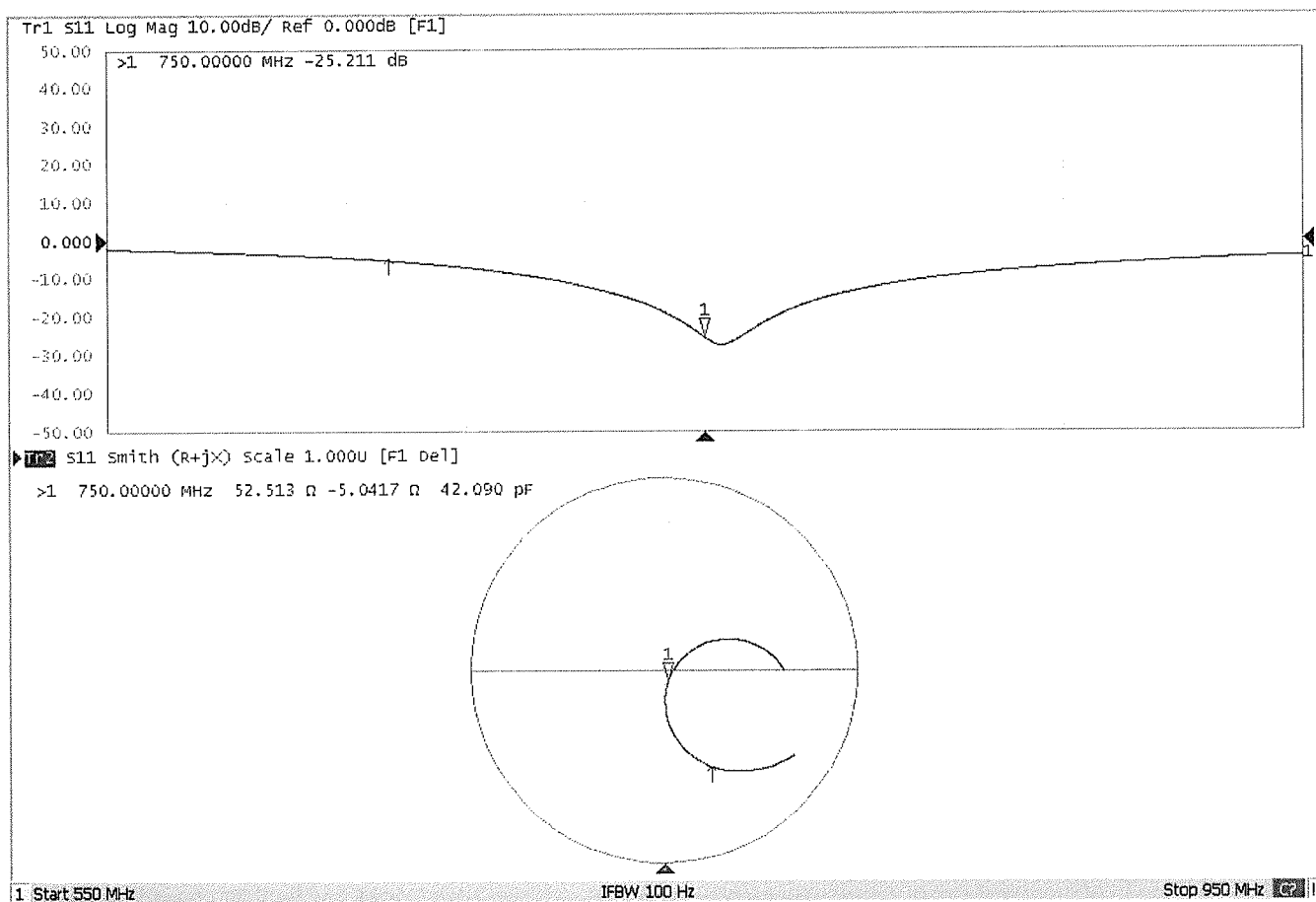
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Impedance Measurement Plot for Head TSL



Client **7layers**

Certificate No: **24J02Z000854**

CALIBRATION CERTIFICATE

Object D835V2 - SN: 4d265

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

Calibration date: November 4, 2024

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

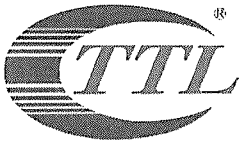
	Name	Function
Calibrated by:	Zhao Jing	SAR Test Engineer
Reviewed by:	Lin Jun	SAR Test Engineer
Approved by:	Qi Dianyuan	SAR Project Leader

Signature



Issued: November 15, 2024

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Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution Corresponds to a coverage probability of approximately 95%.



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Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	15 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	835 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	41.5	0.90 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	41.6 $\pm$ 6 %	0.92 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	2.44W/kg
SAR for nominal Head TSL parameters	normalized to 1W	9.63 W/kg $\pm$ 18.8 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	1.60 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	6.33 W/kg $\pm$ 18.7 % (k=2)



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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	48.4Ω- 1.88jΩ
Return Loss	- 32.1dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.304 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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http://www.caict.ac.cn

DASY5 Validation Report for Head TSL

Date: 2024-11-04

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN: 4d265

Communication System: UID 0, CW; Frequency: 835 MHz

Medium parameters used: $f = 835$ MHz; $\sigma = 0.916$ S/m; $\epsilon_r = 41.57$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(9.85, 9.85, 9.85) @ 835 MHz; Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 58.33 V/m; Power Drift = -0.01 dB

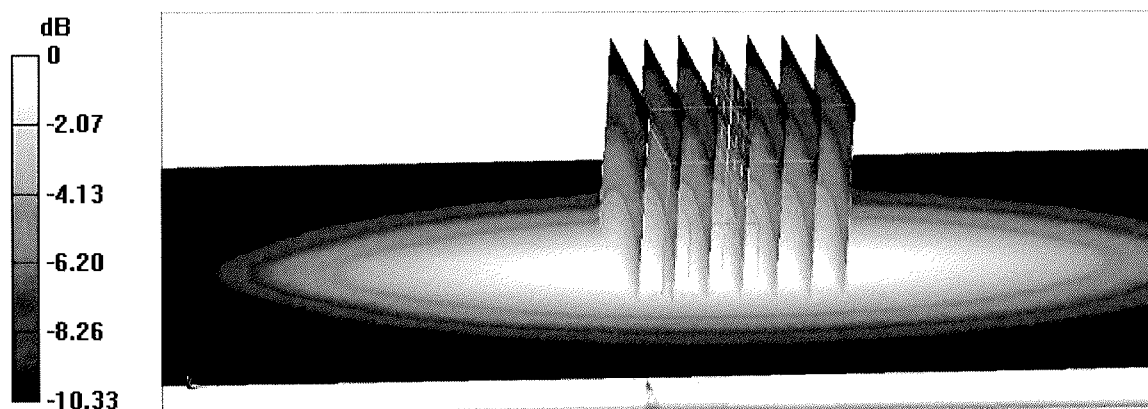
Peak SAR (extrapolated) = 3.87 W/kg

SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.6 W/kg

Smallest distance from peaks to all points 3 dB below = 17.5 mm

Ratio of SAR at M2 to SAR at M1 = 63.5%

Maximum value of SAR (measured) = 3.35 W/kg



0 dB = 3.35 W/kg = 5.25 dBW/kg



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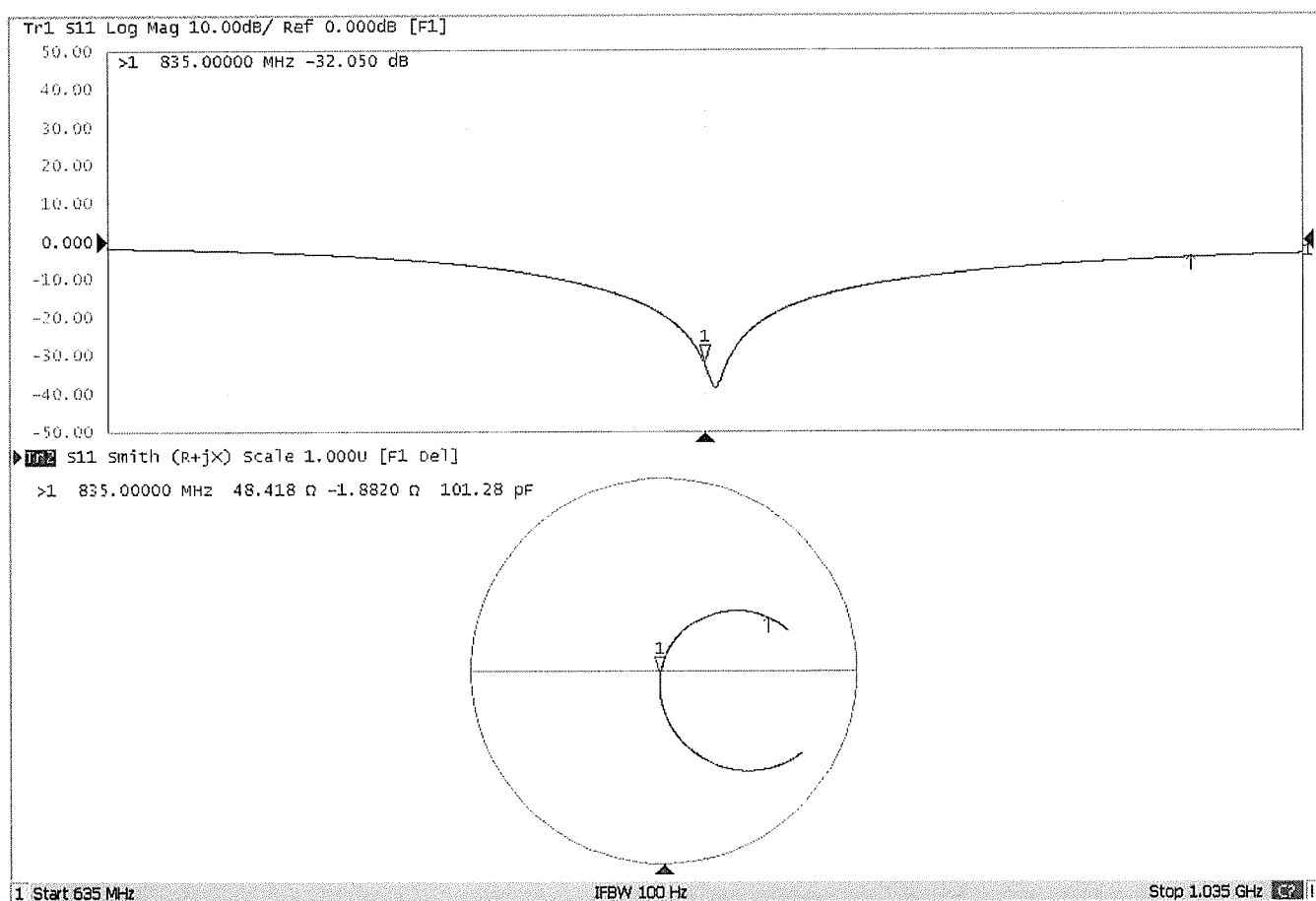
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Impedance Measurement Plot for Head TSL



Client **7layers**

Certificate No: **24J02Z000856**

CALIBRATION CERTIFICATE

Object D1750V2 - SN: 1176

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

Calibration date: November 6, 2024

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

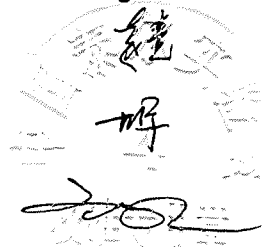
All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

	Name	Function
Calibrated by:	Zhao Jing	SAR Test Engineer
Reviewed by:	Lin Jun	SAR Test Engineer
Approved by:	Qi Dianyuan	SAR Project Leader

Signature



Issued: November 15, 2024

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Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution Corresponds to a coverage probability of approximately 95%.



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<http://www.caict.ac.cn>**Measurement Conditions**

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	1750 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	40.1	1.37 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	41.1 $\pm$ 6 %	1.38 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	9.17 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	36.7 W/kg $\pm$ 18.8 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	4.87 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	19.5 W/kg $\pm$ 18.7 % (k=2)



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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	50.6Ω- 2.87jΩ
Return Loss	- 30.7dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.135 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feed-point may be damaged.

Additional EUT Data

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DASY5 Validation Report for Head TSL

Date: 2024-11-06

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: D1750V2 - SN: 1176

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.384$ S/m; $\epsilon_r = 41.11$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(8.22, 8.22, 8.22) @ 1750 MHz; Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 97.34 V/m; Power Drift = -0.03 dB

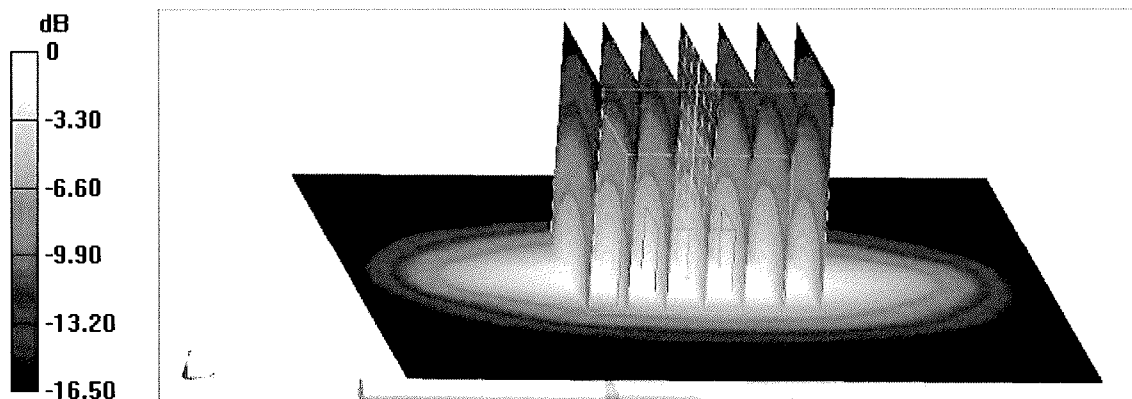
Peak SAR (extrapolated) = 17.0 W/kg

SAR(1 g) = 9.17 W/kg; SAR(10 g) = 4.87 W/kg

Smallest distance from peaks to all points 3 dB below = 9.5 mm

Ratio of SAR at M2 to SAR at M1 = 54.8%

Maximum value of SAR (measured) = 14.2 W/kg



0 dB = 14.2 W/kg = 11.52 dBW/kg



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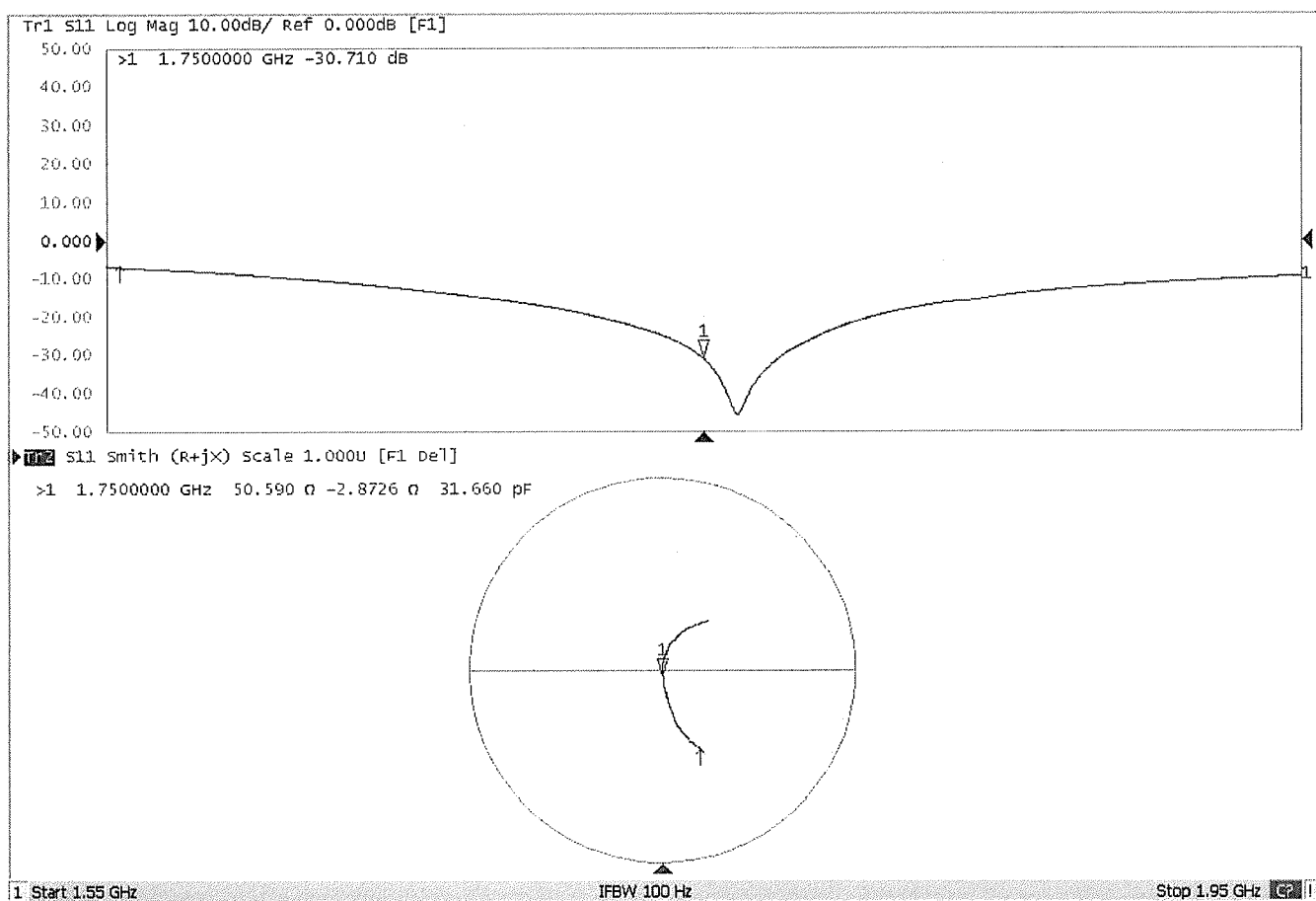
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Impedance Measurement Plot for Head TSL



Client: 7layers

Certificate No: 24J02Z000857

CALIBRATION CERTIFICATE

Object D1950V3 - SN: 1229

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

Calibration date: November 7, 2024

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

	Name	Function	Signature
Calibrated by:	Zhao Jing	SAR Test Engineer	
Reviewed by:	Lin Jun	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	

Issued: November 15, 2024

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Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution Corresponds to a coverage probability of approximately 95%.



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<http://www.caict.ac.cn>**Measurement Conditions**

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	1950 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	40.0	1.40 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	40.7 $\pm$ 6 %	1.39 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	10.1 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	40.8 W/kg $\pm$ 18.8 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	5.18 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	20.9 W/kg $\pm$ 18.7 % (k=2)



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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	$47.3\Omega + 2.24j\Omega$
Return Loss	- 28.9dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.098 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.
No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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DASY5 Validation Report for Head TSL

Date: 2024-11-07

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 1950 MHz; Type: D1950V2; Serial: D1950V2 - SN: 1229

Communication System: UID 0, CW; Frequency: 1950 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1950$ MHz; $\sigma = 1.385$ S/m; $\epsilon_r = 40.68$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(7.95, 7.95, 7.95) @ 1950 MHz; Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 103.1 V/m; Power Drift = 0.00 dB

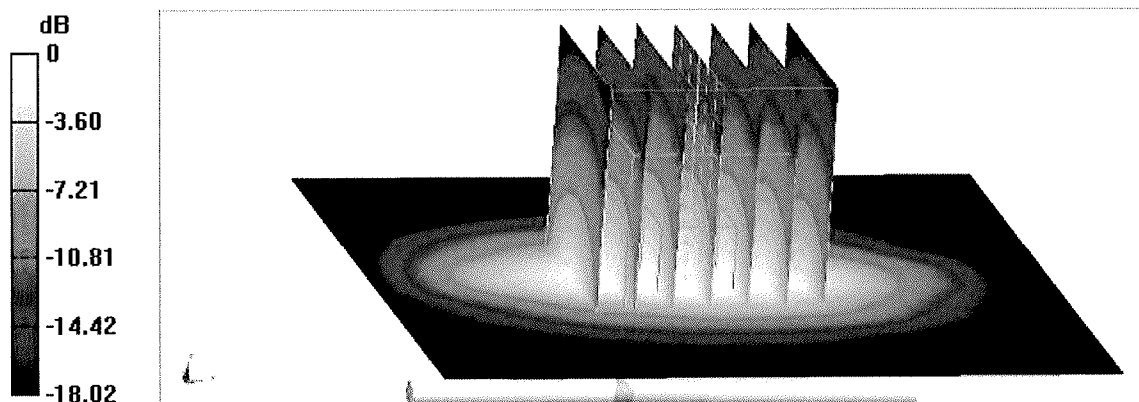
Peak SAR (extrapolated) = 19.3 W/kg

SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.18 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 53.3%

Maximum value of SAR (measured) = 15.9 W/kg



0 dB = 15.9 W/kg = 12.01 dBW/kg



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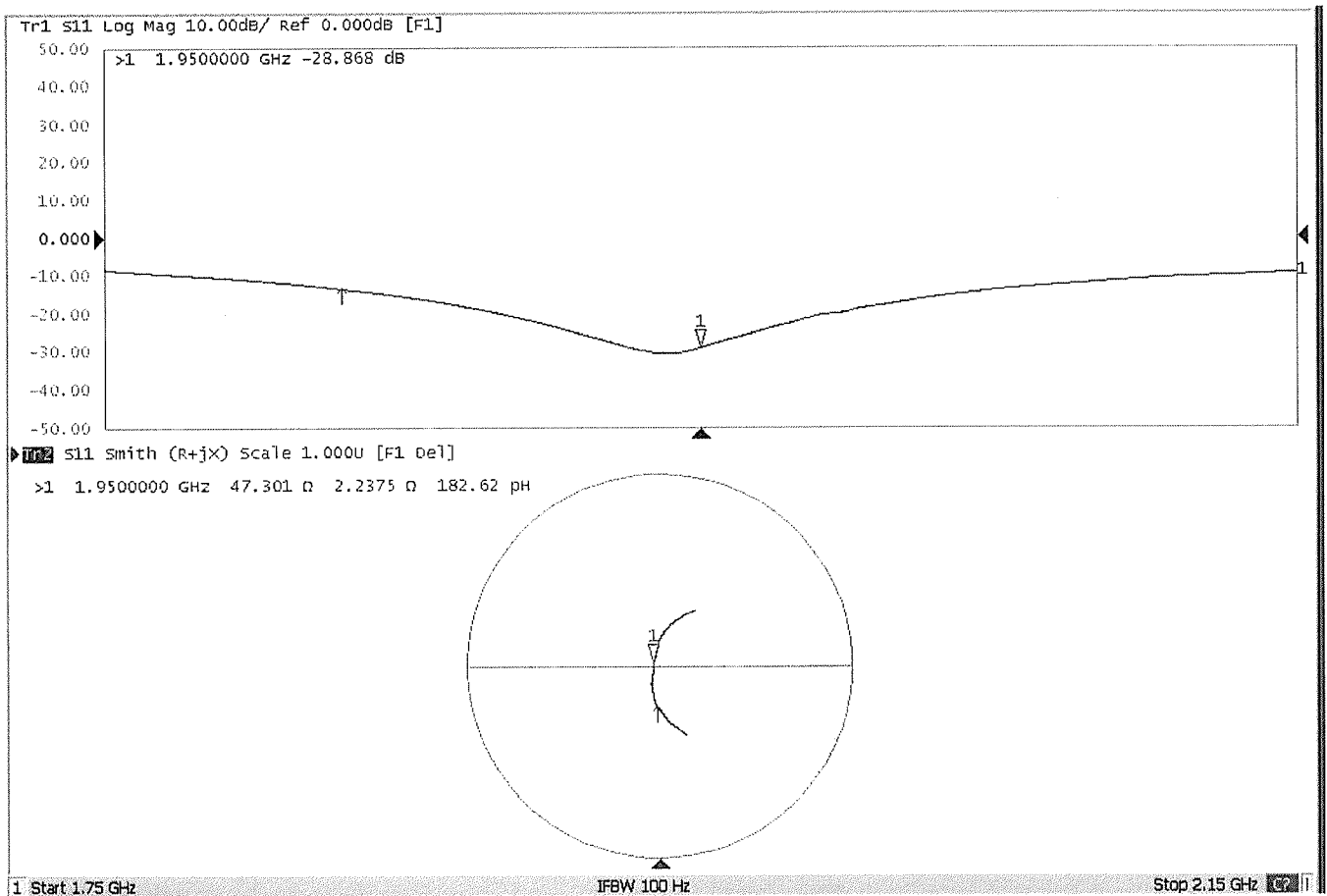
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Impedance Measurement Plot for Head TSL



Client **7layers**

Certificate No: **24J02Z000859**

CALIBRATION CERTIFICATE

Object D2450V2 - SN: 1048

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

Calibration date: November 6, 2024

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

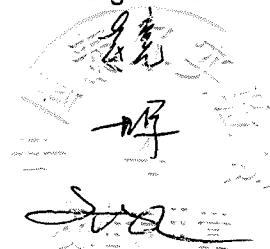
All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

	Name	Function
Calibrated by:	Zhao Jing	SAR Test Engineer
Reviewed by:	Lin Jun	SAR Test Engineer
Approved by:	Qi Dianyuan	SAR Project Leader

Signature



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Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions:** Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL:** The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss:** These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- Electrical Delay:** One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- SAR measured:** SAR measured at the stated antenna input power.
- SAR normalized:** SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters:** The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution Corresponds to a coverage probability of approximately 95%.



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<http://www.caict.ac.cn>**Measurement Conditions**

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	2450 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.2	1.80 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	40.1 $\pm$ 6 %	1.81 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	13.3 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	53.3 W/kg $\pm$ 18.8 % (<i>k</i>=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	250 mW input power	6.14 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.6 W/kg $\pm$ 18.7 % (<i>k</i>=2)



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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	47.4Ω+ 9.16jΩ
Return Loss	- 20.2dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.059 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
-----------------	-------

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DASY5 Validation Report for Head TSL

Date: 2024-11-06

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN: 1048

Communication System: UID 0, CW; Frequency: 2450 MHz

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.809$ S/m; $\epsilon_r = 40.08$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(7.37, 7.37, 7.37) @ 2450 MHz; Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 107.2 V/m; Power Drift = 0.00 dB

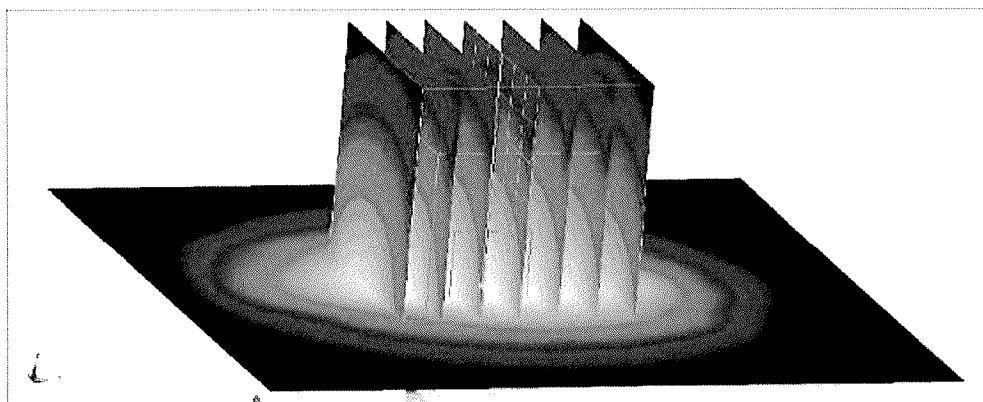
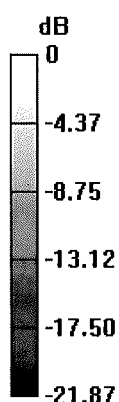
Peak SAR (extrapolated) = 27.1 W/kg

SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.14 W/kg

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 49.5%

Maximum value of SAR (measured) = 22.1 W/kg



0 dB = 22.1 W/kg = 13.44 dBW/kg



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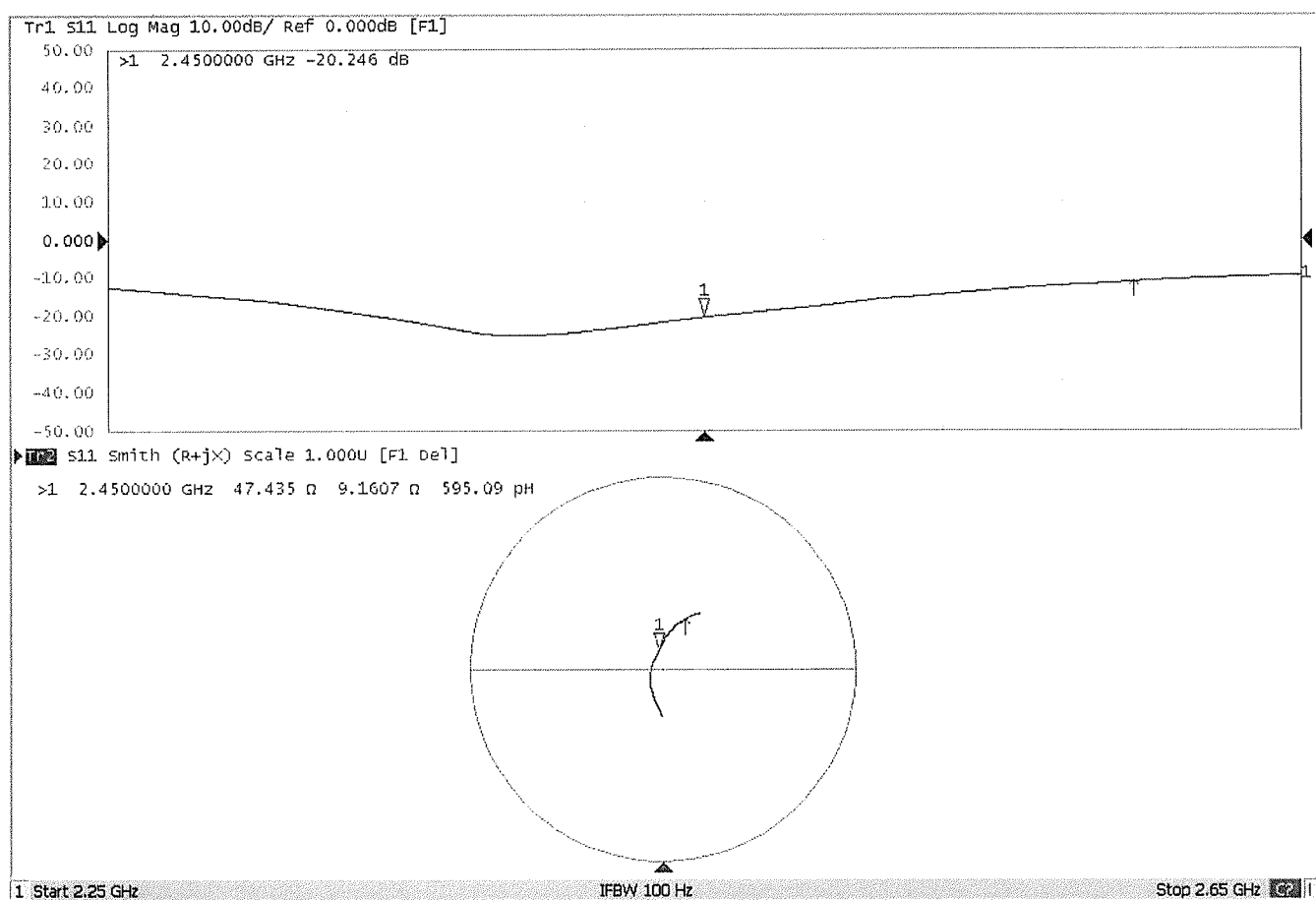
Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2117

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Impedance Measurement Plot for Head TSL





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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client **7-Layers (Auden)**

Certificate No: **D2550V2-1022_Sep22**

CALIBRATION CERTIFICATE

Object **D2550V2 - SN:1022**

Calibration procedure(s) **QA CAL-05.v11
Calibration Procedure for SAR Validation Sources between 0.7-3 GHz**

Calibration date: **September 22, 2022**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
Power sensor NRP-Z91	SN: 103245	04-Apr-22 (No. 217-03525)	Apr-23
Reference 20 dB Attenuator	SN: BH9394 (20k)	04-Apr-22 (No. 217-03527)	Apr-23
Type-N mismatch combination	SN: 310982 / 06327	04-Apr-22 (No. 217-03528)	Apr-23
Reference Probe EX3DV4	SN: 7349	31-Dec-21 (No. EX3-7349_Dec21)	Dec-22
DAE4	SN: 601	31-Aug-22 (No. DAE4-601_Aug22)	Aug-23
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 8481A	SN: MY41093315	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-20)	In house check: Oct-22
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-20)	In house check: Oct-22

	Name	Function	Signature
Calibrated by:	Jeton Kastrati	Laboratory Technician	
Approved by:	Sven Kühn	Technical Manager	

Issued: September 23, 2022

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Accreditation No.: **SCS 0108**

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM x,y,z
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- DASY System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL:* The source is mounted in a touch configuration below the center marking of the flat phantom.
- Return Loss:* This parameter is measured with the source positioned under the liquid filled phantom (as described in the measurement condition clause). The Return Loss ensures low reflected power. No uncertainty required.
- SAR measured:* SAR measured at the stated antenna input power.
- SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	2550 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.1	1.91 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	37.4 $\pm$ 6 %	1.95 mho/m $\pm$ 6 %
Head TSL temperature change during test	< 0.5 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	13.5 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	53.0 W/kg $\pm$ 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.13 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.2 W/kg $\pm$ 16.5 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	52.0 Ω - 4.0 j Ω
Return Loss	- 27.1 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.157 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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DASY5 Validation Report for Head TSL

Date: 22.09.2022

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 2550 MHz; Type: D2550V2; Serial: D2550V2 - SN:1022

Communication System: UID 0 - CW; Frequency: 2550 MHz

Medium parameters used: $f = 2550$ MHz; $\sigma = 1.95$ S/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 - SN7349; ConvF(7.85, 7.85, 7.85) @ 2550 MHz; Calibrated: 31.12.2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 31.08.2022
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration for Head Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 113.1 V/m; Power Drift = 0.06 dB

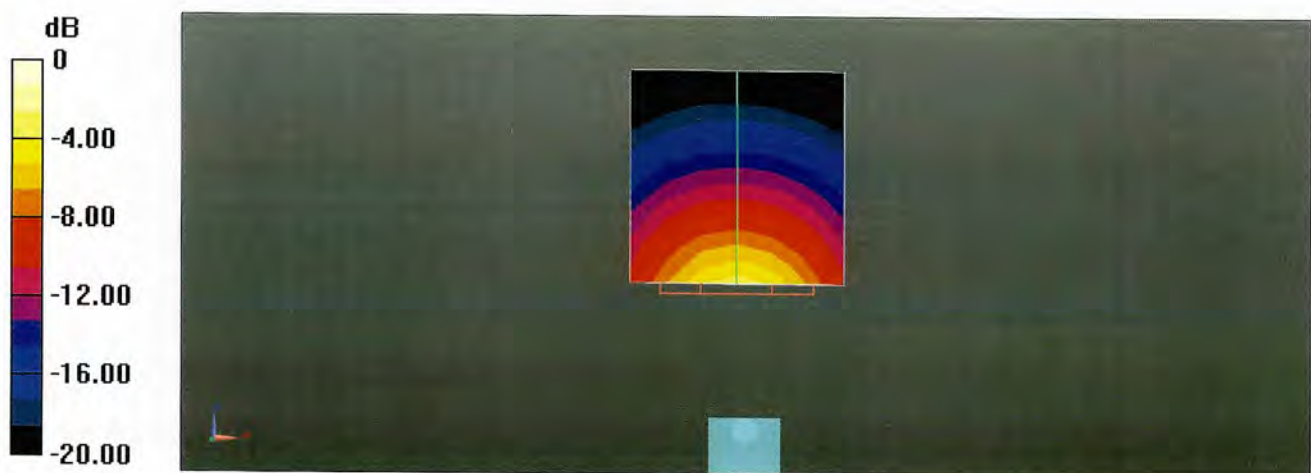
Peak SAR (extrapolated) = 27.5 W/kg

SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.13 W/kg

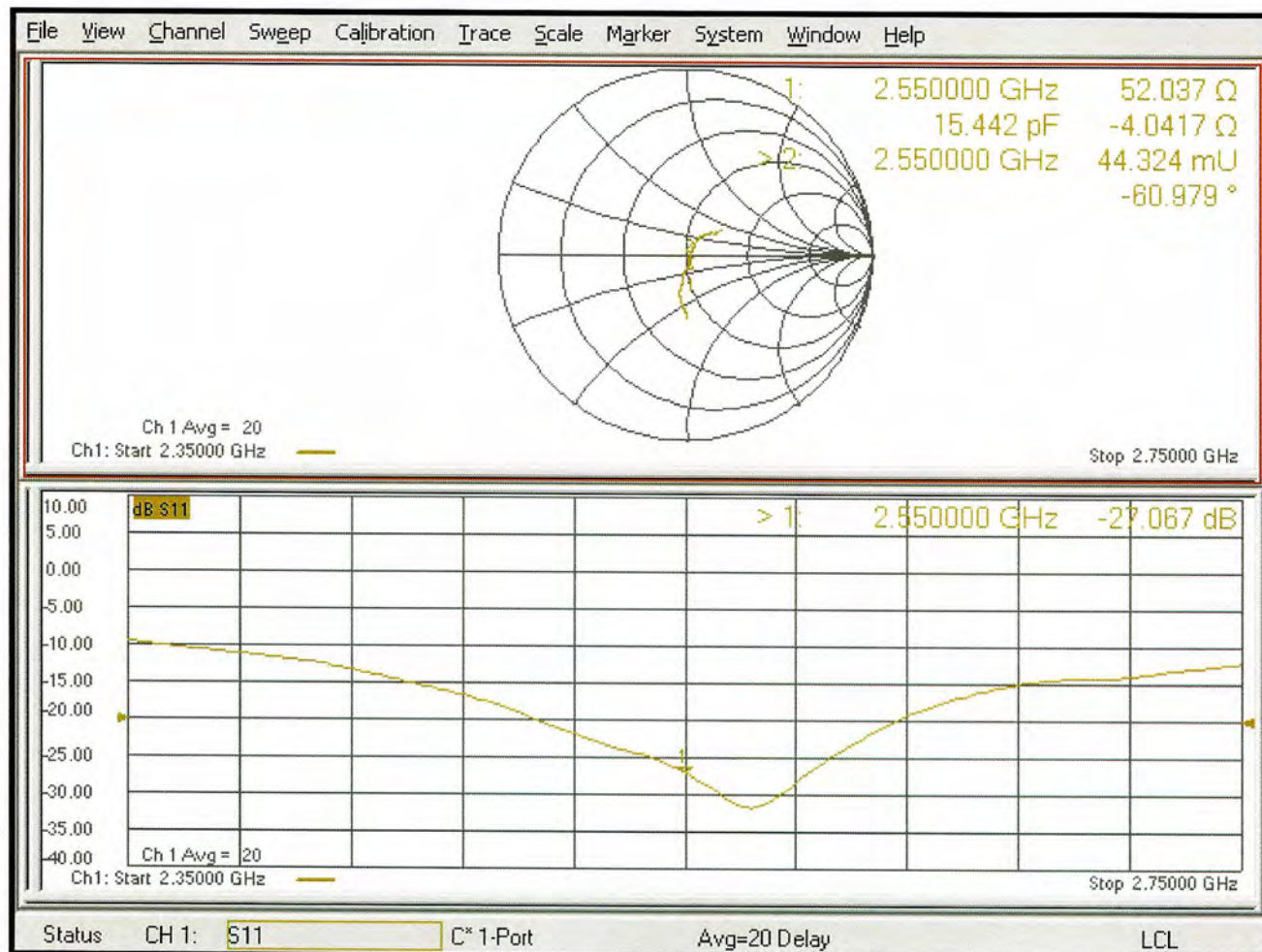
Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 49%

Maximum value of SAR (measured) = 22.6 W/kg



Impedance Measurement Plot for Head TSL



D2550V2 - SN: 1022 Extended Dipole Calibrations

Referring to KDB 865664 D01, if dipoles are verified in return loss ($< -20\text{dB}$, within 20% of prior calibration), and in impedance (within 5 ohm of prior calibration), the annual calibration is not necessary and the calibration interval can be extended.

D2550V2 - SN: 1022						
2550MHz Head						
Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
9.22.2022	-27.1		52		-4	
9.21.2023	-23.13	-14.66	54.77	2.77	-5.52	-1.52

<Justification of the extended calibration>

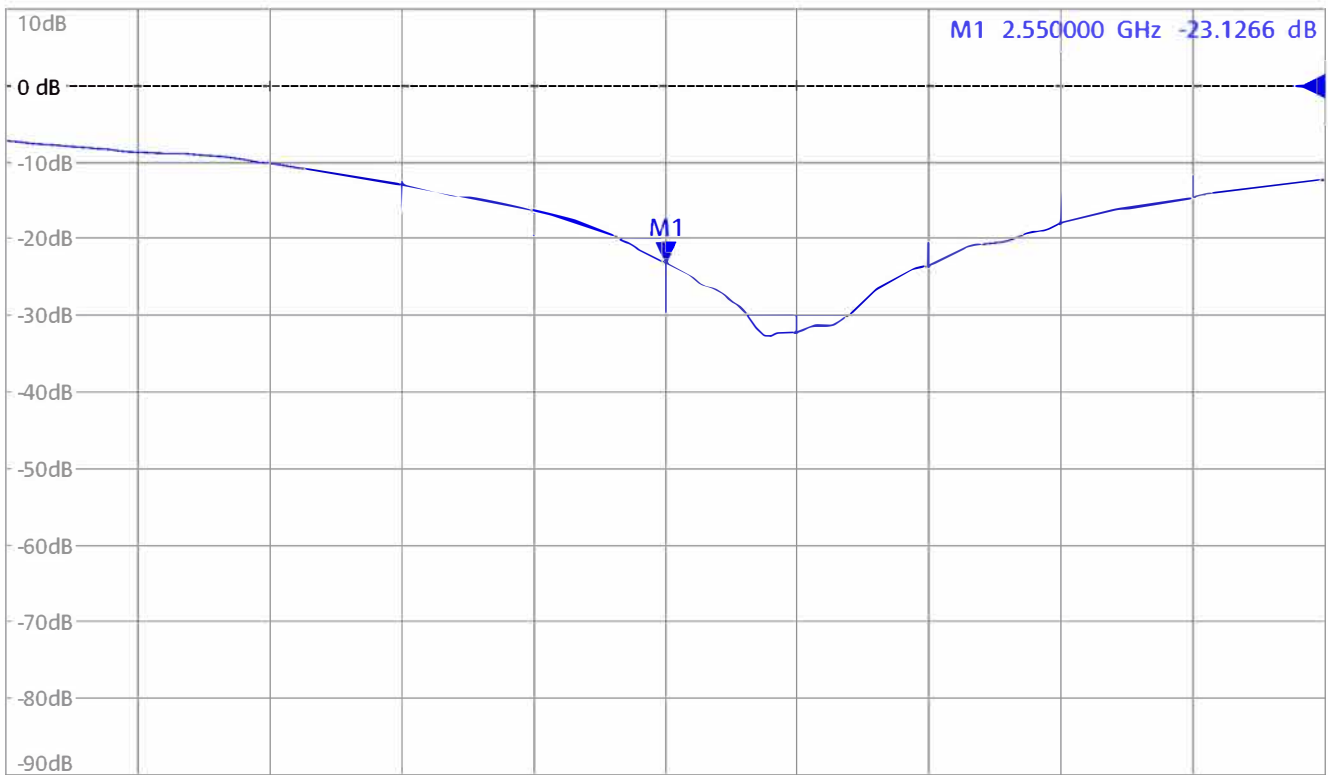
The return loss is $< -20\text{dB}$, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

<Dipole Verification Data>

Head 2550MHz _2023.09.21

Trc1 — S11 dB Mag 10 dB/ Ref 0 dB Cal

1

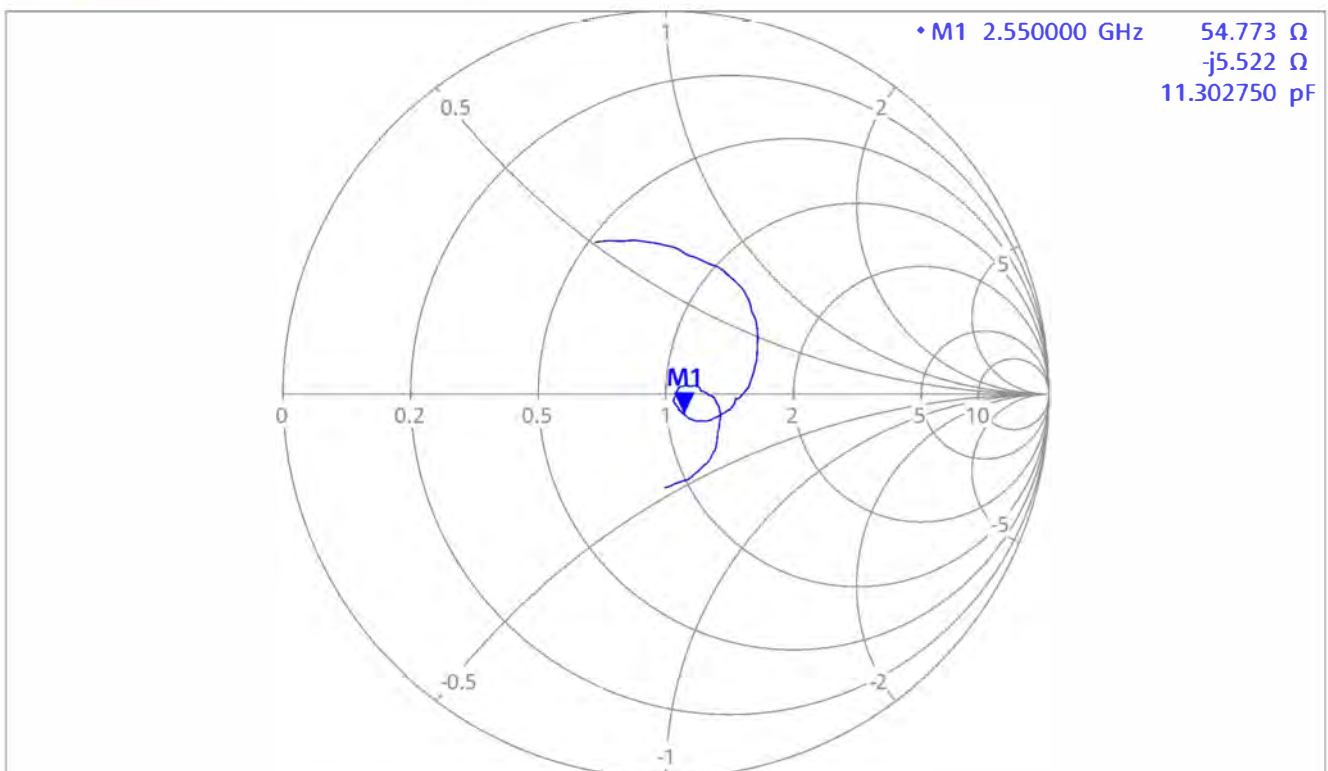


Ch1 Start 2.35 GHz Pwr -10 dBm Bw 10 kHz Refl OSM P1

Stop 2.75 GHz

Trc2 — S11 Smith 200 mU/ Ref 1 U Cal

2



Ch1 Start 2.35 GHz Pwr -10 dBm Bw 10 kHz Refl OSM P1

Stop 2.75 GHz

Client **7layers**

Certificate No: **24J02Z000860**

CALIBRATION CERTIFICATE

Object D3500V2 - SN: 1111

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

Calibration date: November 11, 2024

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

	Name	Function	Signature
Calibrated by:	Zhao Jing	SAR Test Engineer	
Reviewed by:	Lin Jun	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	

Issued: November 15, 2024

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Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution Corresponds to a coverage probability of approximately 95%.



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Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	3400 MHz $\pm$ 1 MHz 3500 MHz $\pm$ 1 MHz	

Head TSL parameters at 3400 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	38.0	2.81 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	38.0 $\pm$ 6 %	2.80 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	---	---

SAR result with Head TSL at 3400 MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.74 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	67.5 W/kg $\pm$ 24.4 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.55 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	25.5 W/kg $\pm$ 24.2 % (k=2)

Head TSL parameters at 3500 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	37.9	2.91 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	37.8 $\pm$ 6 %	2.92 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	---	---

SAR result with Head TSL at 3500 MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.58 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	65.7 W/kg $\pm$ 24.4 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.48 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.8 W/kg $\pm$ 24.2 % (k=2)



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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL at 3400 MHz

Impedance, transformed to feed point	42.4Ω- 0.85jΩ
Return Loss	- 21.6dB

Antenna Parameters with Head TSL at 3500 MHz

Impedance, transformed to feed point	48.6Ω+ 3.70jΩ
Return Loss	- 27.9dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.043 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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DASY5 Validation Report for Head TSL

Date: 2024-11-11

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 3500 MHz; Type: D3500V2; Serial: D3500V2 - SN: 1111

Communication System: CW; Frequency: 3400 MHz, CW; Frequency: 3500 MHz,

Medium parameters used: $f = 3400$ MHz; $\sigma = 2.8$ S/m; $\epsilon_r = 38.04$; $\rho = 1000$ kg/m³,

Medium parameters used: $f = 3500$ MHz; $\sigma = 2.922$ S/m; $\epsilon_r = 37.75$; $\rho = 1000$ kg/m³,

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(6.95, 6.95, 6.95) @ 3400 MHz; ConvF(6.72, 6.72, 6.72) @ 3500 MHz; Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration /Pin=100mW, d=10mm, f=3400 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 57.90 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 17.0 W/kg

SAR(1 g) = 6.74 W/kg; SAR(10 g) = 2.55 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 77.3%

Maximum value of SAR (measured) = 12.2 W/kg

Dipole Calibration /Pin=100mW, d=10mm, f=3500 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 56.01 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 16.9 W/kg

SAR(1 g) = 6.58 W/kg; SAR(10 g) = 2.48 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 76.5%

Maximum value of SAR (measured) = 12.1 W/kg



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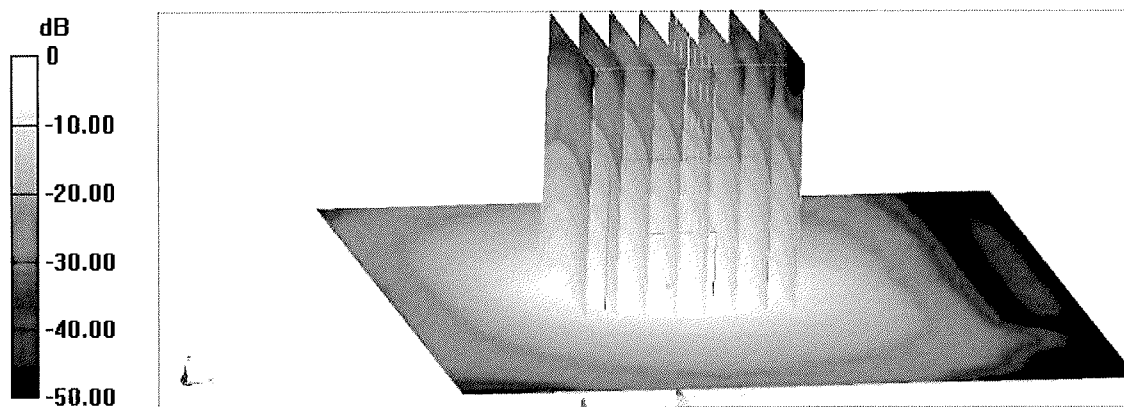
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0 dB = 12.1 W/kg = 10.83 dBW/kg



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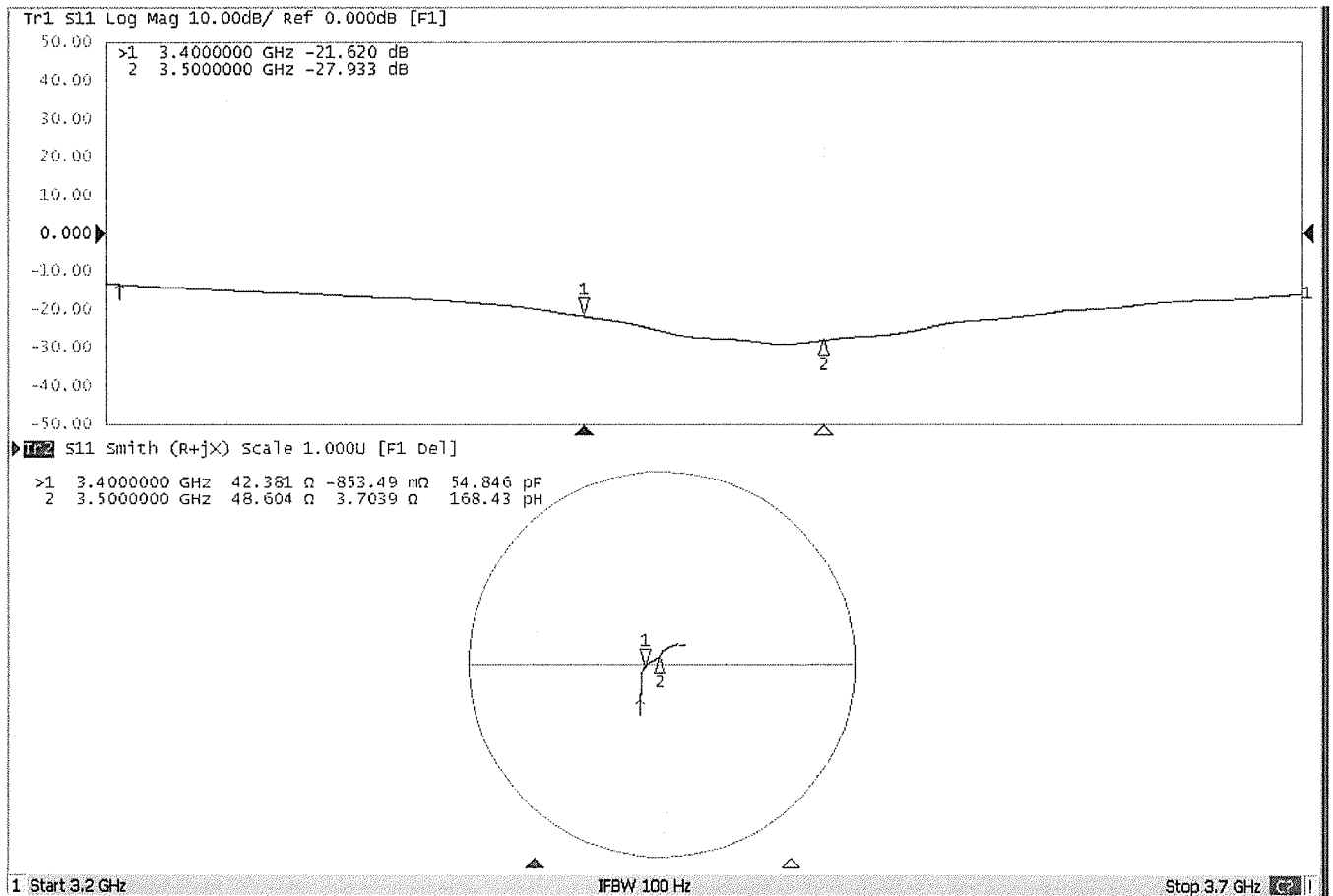
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Impedance Measurement Plot for Head TSL



Client **7layers**

Certificate No: **24J02Z000861**

CALIBRATION CERTIFICATE

Object D3700V2 - SN: 1082

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

Calibration date: November 8, 2024

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

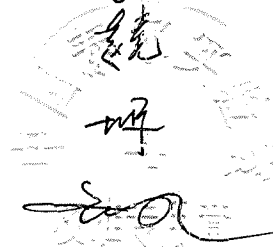
All calibrations have been conducted in the closed laboratory facility: environment temperature $(22\pm3)^{\circ}\text{C}$ and humidity $<70\%$.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

	Name	Function
Calibrated by:	Zhao Jing	SAR Test Engineer
Reviewed by:	Lin Jun	SAR Test Engineer
Approved by:	Qi Dianyuan	SAR Project Leader

Signature



Issued: November 15, 2024

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E-mail: emf@caict.ac.cn

http://www.caict.ac.cn

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution Corresponds to a coverage probability of approximately 95%.



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Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	3700 MHz $\pm$ 1 MHz	

Head TSL parameters at 3700 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	37.7	3.12 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	37.0 $\pm$ 6 %	3.11 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL at 3700 MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.68 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	66.6 W/kg $\pm$ 24.4 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.43 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.2 W/kg $\pm$ 24.2 % (k=2)



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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL at 3700 MHz

Impedance, transformed to feed point	44.6Ω+ 2.53jΩ
Return Loss	- 24.0dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.048 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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DASY5 Validation Report for Head TSL

Date: 2024-11-08

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 3700 MHz; Type: D3700V2; Serial: D3700V2 - SN: 1082

Communication System: UID 0, CW; Frequency: 3700 MHz;

Medium parameters used: $f = 3700$ MHz; $\sigma = 3.108$ S/m; $\epsilon_r = 37.04$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(6.56, 6.56, 6.56) @ 3700 MHz;
Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial:
1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration /Pin=100mW, d=10mm, f=3700 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 67.22 V/m; Power Drift = -0.02 dB

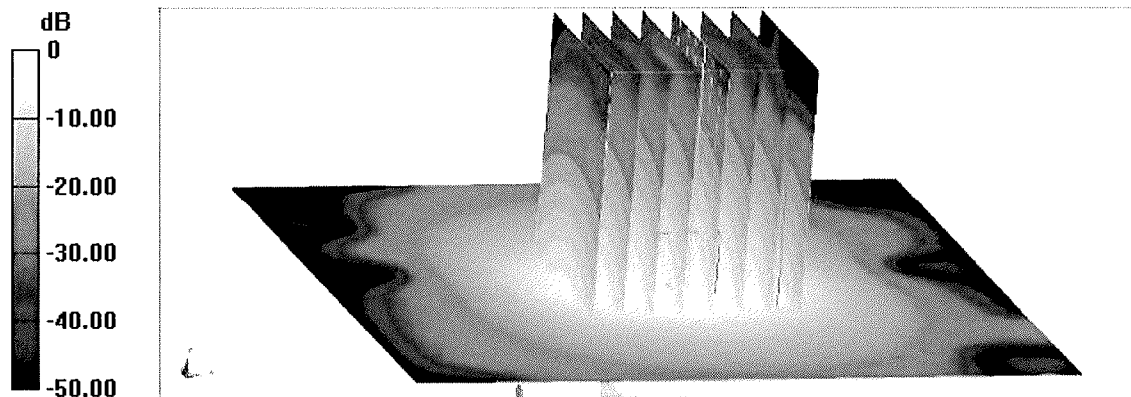
Peak SAR (extrapolated) = 18.1 W/kg

SAR(1 g) = 6.68 W/kg; SAR(10 g) = 2.43 W/kg

Smallest distance from peaks to all points 3 dB below = 7.9 mm

Ratio of SAR at M2 to SAR at M1 = 75.1%

Maximum value of SAR (measured) = 12.6 W/kg



0 dB = 12.6 W/kg = 11.00 dBW/kg



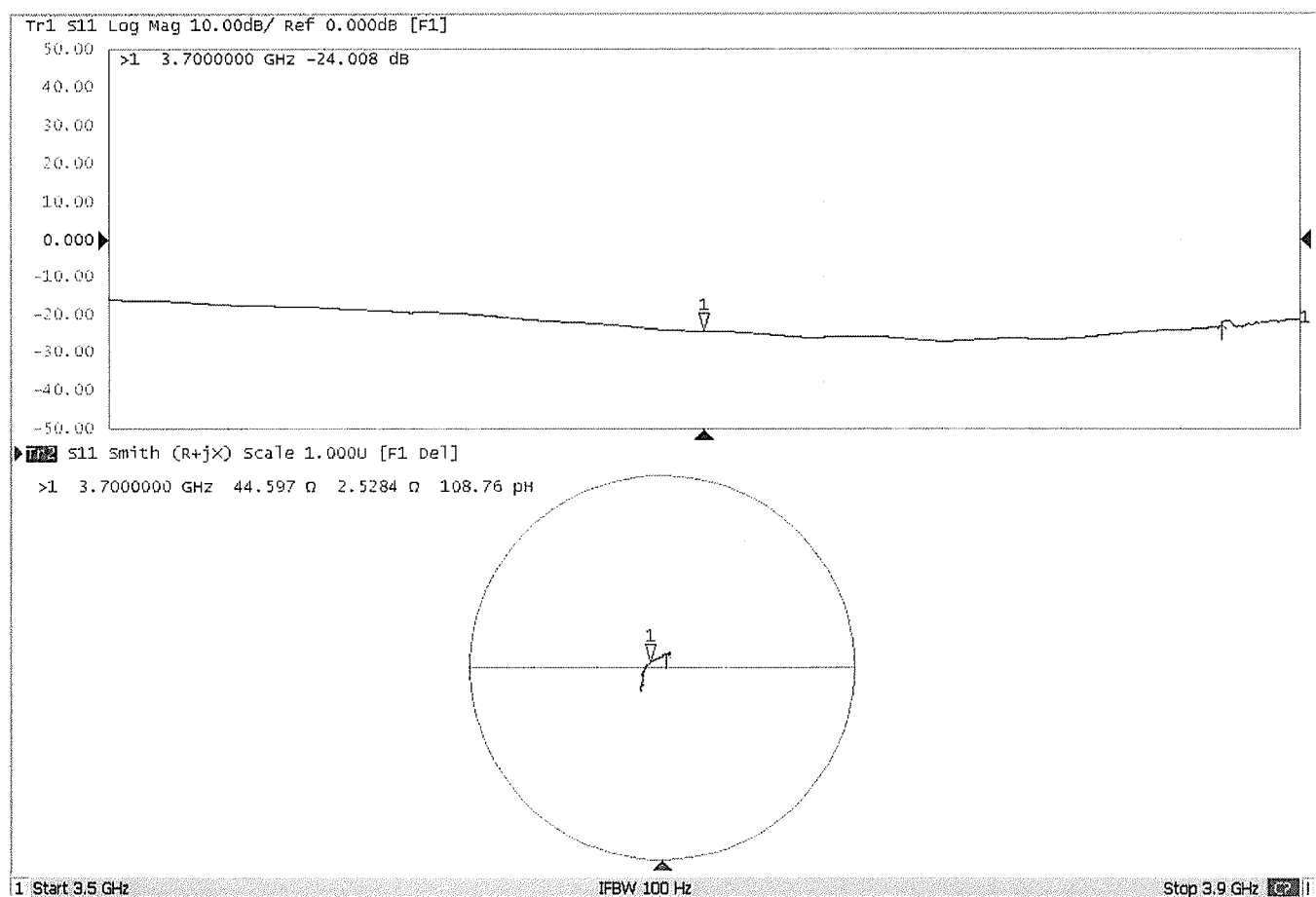
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Impedance Measurement Plot for Head TSL



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Client **7layers**

Certificate No: **24J02Z000862**

CALIBRATION CERTIFICATE

Object D3900V2 - SN: 1055

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

Calibration date: November 7, 2024

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

	Name	Function	Signature
Calibrated by:	Zhao Jing	SAR Test Engineer	
Reviewed by:	Lin Jun	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	

Issued: November 15, 2024

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Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- c) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution Corresponds to a coverage probability of approximately 95%.



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Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	3900 MHz $\pm$ 1 MHz 4100 MHz $\pm$ 1 MHz	

Head TSL parameters at 3900MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	37.5	3.32 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	37.3 $\pm$ 6 %	3.31 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL at 3900MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.82 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	68.2 W/kg $\pm$ 24.4 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.35 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.5 W/kg $\pm$ 24.2 % (k=2)

Head TSL parameters at 4100MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	37.2	3.53 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	36.8 $\pm$ 6 %	3.50 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL at 4100MHz

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.81 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	68.0 W/kg $\pm$ 24.4 % (k=2)
SAR averaged over 10 cm³ (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.33 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	23.2 W/kg $\pm$ 24.2 % (k=2)



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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL at 3900MHz

Impedance, transformed to feed point	47.2Ω- 3.24jΩ
Return Loss	- 27.1dB

Antenna Parameters with Head TSL at 4100MHz

Impedance, transformed to feed point	59.7Ω+ 2.44jΩ
Return Loss	- 20.8dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.011 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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DASY5 Validation Report for Head TSL

Date: 2024-11-07

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 3900 MHz; Type: D3900V2; Serial: D3900V2 - SN: 1055

Communication System: UID 0, CW; Frequency: 3900 MHz; Frequency: 4100 MHz;

Medium parameters used: $f = 3900$ MHz; $\sigma = 3.309$ S/m; $\epsilon_r = 37.28$; $\rho = 1000$ kg/m³

Medium parameters used: $f = 4100$ MHz; $\sigma = 3.5$ S/m; $\epsilon_r = 36.78$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(6.4, 6.4, 6.4) @ 3900 MHz; ConvF(6.43, 6.43, 6.43) @ 4100 MHz; Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration /Pin=100mW, d=10mm, f=3900 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 63.07 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 20.0 W/kg

SAR(1 g) = 6.82 W/kg; SAR(10 g) = 2.35 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 73.2%

Maximum value of SAR (measured) = 13.3 W/kg

Dipole Calibration /Pin=100mW, d=10mm, f=4100 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 62.04 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 20.6 W/kg

SAR(1 g) = 6.81 W/kg; SAR(10 g) = 2.33 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 71.9%

Maximum value of SAR (measured) = 13.6 W/kg



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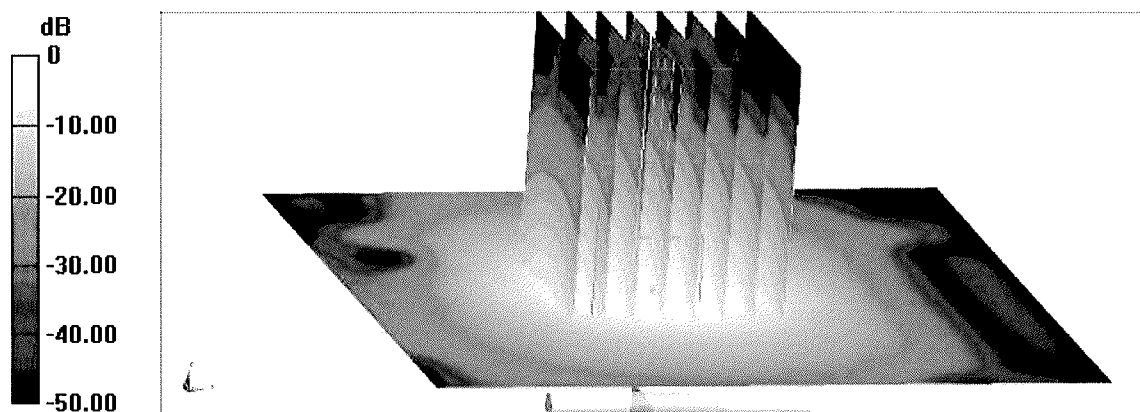
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0 dB = 13.6 W/kg = 11.34 dBW/kg



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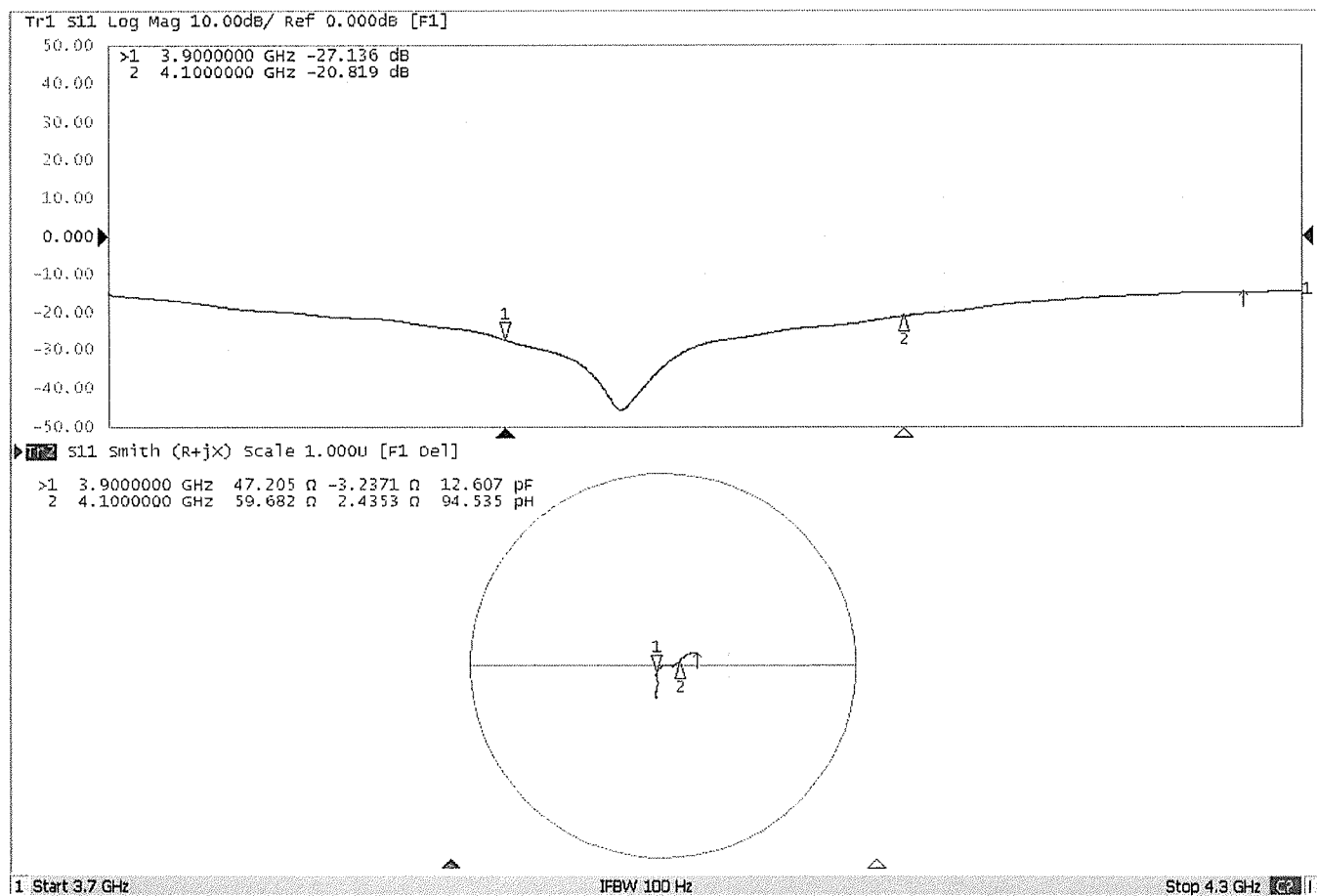
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Impedance Measurement Plot for Head TSL



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Client

7layers

Certificate No: 24J02Z000865

CALIBRATION CERTIFICATE

Object D5GHzV2 - SN: 1315

Calibration Procedure(s) FF-Z11-003-01
Calibration Procedures for dipole validation kits

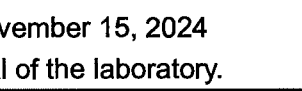
Calibration date: November 5, 2024

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature $(22\pm3)^{\circ}\text{C}$ and humidity $<70\%$.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106276	17-May-24 (CTTL, No. J24X04107)	May-25
Power sensor NRP6A	101369	17-May-24 (CTTL, No. J24X04107)	May-25
Reference Probe EX3DV4	SN 7517	21-Feb-24(CTTL-SPEAG, No. 24J02Z80008)	Feb-25
DAE4	SN 1588	13-Sep-24(CTTL-SPEAG, No. 24J02Z000713)	Sep-25
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	25-Dec-23 (CTTL, No. J23X13426)	Dec-24
NetworkAnalyzer E5071C	MY46110673	25-Dec-23 (CTTL, No. J23X13425)	Dec-24
OCP DAK-3.5(weighted)	1040	22-Jan-24(SPEAG, No.OCP-DAK3.5-1040_Jan24)	Jan-25

	Name	Function	Signature
Calibrated by:	Zhao Jing	SAR Test Engineer	
Reviewed by:	Lin Jun	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	

Issued: November 15, 2024

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Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- IEC/IEEE 62209-1528, "Measurement Procedure for The Assessment of Specific Absorption Rate of Human Exposure to Radio Frequency Fields from Hand-held and Body-mounted Wireless Communication Devices- Part 1528: Human Models, Instrumentation and Procedures (Frequency range of 4 MHz to 10 GHz)", October 2020
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

- DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions:** Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL:** The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss:** These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- Electrical Delay:** One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- SAR measured:** SAR measured at the stated antenna input power.
- SAR normalized:** SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters:** The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution Corresponds to a coverage probability of approximately 95%.



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Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY52	52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	Triple Flat Phantom 5.1C	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	5250 MHz $\pm$ 1 MHz 5600 MHz $\pm$ 1 MHz 5750 MHz $\pm$ 1 MHz	

Head TSL parameters at 5250MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.9	4.71 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	35.8 $\pm$ 6 %	4.70 mho/m $\pm$ 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL at 5250MHz

SAR averaged over 1	(1 g) of Head TSL	Condition	
SAR measured		100 mW input power	7.73 W/kg
SAR for nominal Head TSL parameters		normalized to 1W	77.3 W/kg $\pm$ 24.4 % (k=2)
SAR averaged over 10	(10 g) of Head TSL	Condition	
SAR measured		100 mW input power	2.16 W/kg
SAR for nominal Head TSL parameters		normalized to 1W	21.6 W/kg $\pm$ 24.2 % (k=2)



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Head TSL parameters at 5600MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.5	5.07 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	35.2 ± 6 %	5.08 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL at 5600MHz

SAR averaged over 1 (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.18 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	81.7 W/kg ± 24.4 % (k=2)
SAR averaged over 10 (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.27 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	22.7 W/kg ± 24.2 % (k=2)

Head TSL parameters at 5750MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.4	5.22 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	35.0 ± 6 %	5.24 mho/m ± 6 %
Head TSL temperature change during test	<1.0 °C	----	----

SAR result with Head TSL at 5750MHz

SAR averaged over 1 (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	7.73 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	77.1 W/kg ± 24.4 % (k=2)
SAR averaged over 10 (10 g) of Head TSL	Condition	
SAR measured	100 mW input power	2.13 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	21.2 W/kg ± 24.2 % (k=2)



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Appendix (Additional assessments outside the scope of CNAS L0570)

Antenna Parameters with Head TSL at 5250MHz

Impedance, transformed to feed point	49.2Ω- 1.60jΩ
Return Loss	- 34.8dB

Antenna Parameters with Head TSL at 5600MHz

Impedance, transformed to feed point	53.2Ω+ 4.15jΩ
Return Loss	- 25.9dB

Antenna Parameters with Head TSL at 5750MHz

Impedance, transformed to feed point	49.3Ω+ 4.49jΩ
Return Loss	- 26.8dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.099 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feed-point can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feed-point may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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DASY5 Validation Report for Head TSL

Date: 2024-11-05

Test Laboratory: CTTL, Beijing, China

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN: 1315

Communication System: CW; Frequency: 5250 MHz, Frequency: 5600 MHz,
Frequency: 5750 MHz

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.698$ S/m; $\epsilon_r = 35.84$; $\rho = 1000$ kg/m³

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.077$ S/m; $\epsilon_r = 35.24$; $\rho = 1000$ kg/m³

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.241$ S/m; $\epsilon_r = 35.02$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN7517; ConvF(5.43, 5.43, 5.43) @ 5250 MHz; ConvF(4.83, 4.83, 4.83) @ 5600 MHz; ConvF(4.95, 4.95, 4.95) @ 5750 MHz; Calibrated: 2024-02-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1588; Calibrated: 2024-09-13
- Phantom: MFP_V5.1C (20deg probe tilt); Type: QD 000 P51 Cx; Serial: 1062
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration /Pin=100mW, d=10mm, f=5250 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 61.02 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 32.1 W/kg

SAR(1 g) = 7.73 W/kg; SAR(10 g) = 2.16 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 64.4%

Maximum value of SAR (measured) = 18.7 W/kg

Dipole Calibration /Pin=100mW, d=10mm, f=5600 MHz/Zoom Scan,

dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 60.79 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 38.0 W/kg

SAR(1 g) = 8.18 W/kg; SAR(10 g) = 2.27 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 60.8%

Maximum value of SAR (measured) = 20.4 W/kg



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**Dipole Calibration /Pin=100mW, d=10mm, f=5750 MHz/Zoom Scan,
dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 59.50 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 37.3 W/kg
SAR(1 g) = 7.73 W/kg; SAR(10 g) = 2.13 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 59.4%
Maximum value of SAR (measured) = 19.7 W/kg**



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Impedance Measurement Plot for Head TSL

Appendix D. Conducted Power Result

Receiver off_DSI4

Band	GSM850(ANT2)				GSM1900(ANT1)			
Channel	128	189	251	Max. Tune-up Power (dBm)	512	661	810	Max. Tune-up Power (dBm)
Frequency (MHz)	824.2	836.4	848.8		1850.2	1880	1909.8	
GSM	32.94	32.46	32.98	33.50	30.72	30.04	30.03	31.00
GPRS 1Tx Slot	32.97	32.51	33.09	33.50	30.77	30.06	30.14	31.00
GPRS 2Tx Slot	29.96	30.56	31.06	31.50	28.64	27.90	28.02	29.50
GPRS 3Tx Slot	28.71	28.47	28.99	29.50	26.67	25.81	25.97	27.00
GPRS 4Tx Slot	27.69	27.24	27.62	28.50	24.88	24.34	24.49	25.50
EDGE 1Tx Slot	27.13	27.17	27.10	28.50	26.67	26.61	26.17	27.00
EDGE 2Tx Slot	24.65	24.35	25.63	26.00	24.98	24.85	24.91	25.50
EDGE 3Tx Slot	22.57	22.31	23.53	24.00	21.77	21.75	21.79	22.50
EDGE 4Tx Slot	21.30	21.15	22.25	23.00	20.53	20.60	20.62	21.50

Band	WCDMA II(ANT1)			WCDMA II	WCDMA V(ANT2)			WCDMA V
TX Channel	9262	9400	9538	Max. Tune-up Power (dBm)	4132	4182	4233	Max. Tune-up Power (dBm)
Rx Channel	9662	9800	9938		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		826.4	836.4	846.6	
RMC 12.2K	24.24	24.37	24.32	25.00	24.40	24.42	24.33	25.00
HSDPA Subtest-1	23.35	23.38	23.33	24.00	23.25	23.28	23.23	24.00
HSDPA Subtest-2	23.41	23.34	23.37	24.00	23.33	23.34	23.27	24.00
HSDPA Subtest-3	22.82	22.84	22.83	23.50	22.71	22.72	22.70	23.50
HSDPA Subtest-4	22.75	22.79	22.81	23.50	22.69	22.74	22.65	23.50
DC-HSDPA Subtest-1	23.30	23.29	23.18	24.00	23.24	23.24	23.11	24.00
DC-HSDPA Subtest-2	23.28	23.27	23.36	24.00	23.19	23.30	23.15	24.00
DC-HSDPA Subtest-3	22.70	22.77	22.78	23.50	22.65	22.65	22.66	23.50
DC-HSDPA Subtest-4	22.64	22.65	22.76	23.50	22.63	22.59	22.51	23.50
HSUPA Subtest-1	23.41	23.44	23.42	24.00	23.22	23.24	23.22	24.00
HSUPA Subtest-2	22.82	22.85	22.83	23.50	22.73	22.78	22.75	23.50
HSUPA Subtest-3	23.29	23.31	23.30	24.00	23.20	23.21	23.19	24.00
HSUPA Subtest-4	23.26	23.28	23.25	24.00	23.18	23.20	23.21	24.00
HSUPA Subtest-5	23.30	23.31	23.30	24.00	23.21	23.23	23.22	24.00

Receiver dBm

LTE Band 2 (Aur1)													
BW	Modulation	RB Size					Max. Throughput (Mbps)	RB Size					
		Channel	1920	1980	2110	2150		Channel	1920	1980	2110	2150	
20M	QPSK	Frequency (MHz)	1980	1980	1980	1980		Frequency (MHz)	1980	1980	1980		
		1	0	21.23	21.16	21.17	22.5	1	0	21.23	21.16	21.17	22.5
		1	50	21.34	21.28	21.29	22.5	1	50	21.34	21.28	21.29	22.5
		1	90	21.19	21.14	21.17	22.5	1	90	21.19	21.14	21.17	22.5
		50	0	20.23	20.27	20.22	21.5	50	0	20.23	20.27	20.22	21.5
		50	50	20.28	20.40	20.39	21.5	50	50	20.28	20.40	20.39	21.5
		100	0	20.39	20.18	20.37	21.5	100	0	20.39	20.18	20.37	21.5
		100	0	20.46	20.47	20.46	21.5	100	0	20.46	20.47	20.46	21.5
		1	90	20.54	20.55	20.58	21.5	1	90	20.54	20.55	20.58	21.5
		100M	16QAM	1	0	16.35	16.36	16.37	20.5	1	0	16.35	16.36
50	20	16.36		16.36	16.39	20.5	50	20	16.36	16.36	16.39	20.5	
50	50	16.35		16.41	16.40	20.5	50	50	16.35	16.41	16.40	20.5	
100	0	16.35		16.36	16.38	20.5	100	0	16.35	16.36	16.38	20.5	
1	0	16.46		16.38	16.32	20.5	1	0	16.46	16.38	16.32	20.5	
1	50	16.21		16.27	16.40	20.5	1	50	16.21	16.27	16.40	20.5	
1	90	16.43		16.37	16.39	20.5	1	90	16.43	16.37	16.39	20.5	
50	0	16.31		16.34	16.32	19.5	50	0	16.31	16.34	16.32	19.5	
50	50	16.35		16.35	16.32	19.5	50	50	16.35	16.35	16.32	19.5	
100	0	16.36		16.28	16.41	19.5	100	0	16.36	16.28	16.41	19.5	
20M	QPSK	Channel	1980	1980	1980	1980		Channel	1980	1980	1980		
		Frequency (MHz)	1980	1980	1980	1980		Frequency (MHz)	1980	1980	1980		
		1	0	21.14	21.16	21.16	22.5	1	0	21.14	21.16	21.16	22.5
		1	37	21.16	21.19	21.16	22.5	1	37	21.16	21.19	21.16	22.5
		1	74	21.05	21.11	21.09	22.5	1	74	21.05	21.11	21.09	22.5
		38	0	20.24	20.18	20.18	21.5	38	0	20.24	20.18	20.18	21.5
		38	19	20.29	20.22	20.26	21.5	38	19	20.29	20.22	20.26	21.5
		38	38	20.31	20.24	20.25	21.5	38	38	20.31	20.24	20.25	21.5
		75	0	20.34	20.29	20.29	21.5	75	0	20.34	20.29	20.29	21.5
		75	0	20.39	20.42	20.33	21.5	75	0	20.39	20.42	20.33	21.5
10M	16QAM	1	0	16.46	16.46	16.39	21.5	1	0	16.46	16.46	16.39	21.5
		38	0	16.33	16.36	16.38	21.5	38	0	16.33	16.36	16.38	21.5
		38	19	16.25	16.12	16.08	20.5	38	19	16.25	16.12	16.08	20.5
		75	0	16.36	16.36	16.37	20.5	75	0	16.36	16.36	16.37	20.5
		75	0	16.34	16.32	16.35	20.5	75	0	16.34	16.32	16.35	20.5
		75	0	16.26	16.12	16.23	20.5	75	0	16.26	16.12	16.23	20.5
		1	37	16.33	16.17	16.18	20.5	1	37	16.33	16.17	16.18	20.5
		1	74	16.35	16.26	16.18	20.5	1	74	16.35	16.26	16.18	20.5
		38	0	16.24	16.21	16.21	19.5	38	0	16.24	16.21	16.21	19.5
		38	19	16.23	16.26	16.23	19.5	38	19	16.23	16.26	16.23	19.5
5M	16QAM	1	0	16.25	16.18	16.18	17.5	1	0	16.25	16.18	16.18	17.5
		1	37	16.31	16.25	16.32	17.5	1	37	16.31	16.25	16.32	17.5
		1	74	16.31	16.25	16.32	17.5	1	74	16.31	16.25	16.32	17.5
		38	0	16.31	16.28	16.22	17.5	38	0	16.31	16.28	16.22	17.5
		38	19	16.36	16.47	16.35	17.5	38	19	16.36	16.47	16.35	17.5
		38	38	16.30	16.26	16.31	17.5	38	38	16.30	16.26	16.31	17.5
		75	0	16.28	16.28	16.21	17.5	75	0	16.28	16.28	16.21	17.5
		1	0	16.27	16.23	16.13	17.5	1	0	16.27	16.23	16.13	17.5
		1	37	16.33	16.17	16.18	17.5	1	37	16.33	16.17	16.18	17.5
		1	74	16.35	16.26	16.18	17.5	1	74	16.35	16.26	16.18	17.5
20M	QPSK	Channel	1980	1980	1980	1980		Channel	1980	1980	1980		
		Frequency (MHz)	1980	1980	1980	1980		Frequency (MHz)	1980	1980	1980		
		1	0	21.22	21.04	21.19	22.5	1	0	21.22	21.04	21.19	22.5
		1	37	21.06	21.12	21.09	22.5	1	37	21.06	21.12	21.09	22.5
		1	49	21.16	21.13	21.14	22.5	1	49	21.16	21.13	21.14	22.5
		25	0	20.12	20.11	20.14	21.5	25	0	20.12	20.11	20.14	21.5
		25	0	20.19	20.19	20.19	21.5	25	0	20.19	20.19	20.19	21.5
		25	25	20.26	20.18	20.25	21.5	25	25	20.26	20.18	20.25	21.5
		50	0	20.23	20.18	20.23	21.5	50	0	20.23	20.18	20.23	21.5
		50	0	20.34	20.24	20.24	21.5	50	0	20.34	20.24	20.24	21.5
10M	16QAM	1	0	16.23	16.23	16.26	21.5	1	0	16.23	16.23	16.26	21.5
		1	38	20.43	20.39	20.48	21.5	1	38	20.43	20.39	20.48	21.5
		1	49	20.34	20.50	20.52	21.5	1	49	20.34	20.50	20.52	21.5
		1	90	16.16	16.43	16.15	20.5	1	90	16.16	16.43	16.15	20.5
		25	12	16.21	16.18	16.25	20.5	25	12	16.21	16.18	16.25	20.5
		25	25	16.34	16.16	16.31	20.5	25	25	16.34	16.16	16.31	20.5
		50	0	16.31	16.31	16.32	20.5	50	0	16.31	16.31	16.32	20.5
		1	0	16.35	16.26	16.31	20.5	1	0	16.35	16.26	16.31	20.5
		1	38	16.27	16.17	16.25	20.5	1	38	16.27	16.17	16.25	20.5
		1	49	16.36	16.22	16.32	20.5	1	49	16.36	16.22	16.32	20.5
20M	QPSK	Channel	1980	1980	1980	1980		Channel	1980	1980	1980		
		Frequency (MHz)	1980	1980	1980	1980		Frequency (MHz)	1980	1980	1980		
		1	0	21.20	21.14	21.15	22.5	1	0	21.20	21.14	21.15	22.5
		1	12	21.17	21.20	21.11	22.5	1	12	21.17	21.20	21.11	22.5
		1	37	21.07	21.09	21.07	22.5	1	37	21.07	21.09	21.07	22.5
		1	74	21.02	21.07	21.06	22.5	1	74	21.02	21.07	21.06	22.5
		12	0	20.20	20.17	20.22	21.5	12	0	20.20	20.17	20.22	21.5
		12	13	20.27	20.18	20.24	21.5	12	13	20.27	20.18	20.24	21.5
		12	25	20.32	20.19	20.22	21.5	12	25	20.32	20.19	20.22	21.5
		12	0	20.38	20.45	20.29	21.5	12	0	20.38	20.45	20.29	21.5
10M	16QAM	1	0	16.38	16.36	16.37	20.5	1	0	16.38	16.36	16.37	20.5
		1	26	16.47	16.43	16.37	20.5	1	26	16.47	16.43	16.37	20.5
		12	0	16.39	16.30	16.11	20.5	12	0	16.39	16.30	16.11	20.5
		12	13	16.48	16.36	16.37	20.5	12	13	16.48	16.36	16.37	20.5
		12	25	16.34	16.29	16.30	20.5	12	25	16.34	16.29	16.30	20.5
		50	0	16.33	16.33	16.28	20.5	50	0	16.33	16.33	16.28	20.5
		1	12	16.30	16.26	16.28	20.5	1	12	16.30	16.26	16.28	20.5
		12	0	16.28	16.24	16.24	19.5	12	0	16.28	16.24	16.24	19.5
		12	13	16.34	16.17	16.23	19.5	12	13	16.34	16.17	16.23	19.5
		25	0	16.30	16.29	16.28	19.5	25	0	16.30	16.29	16.28	19.5
20M	QPSK	Channel	1980	1980	1980	1980		Channel	1980	1980	1980		
		Frequency (MHz)	1980	1980	1980	1980		Frequency (MHz)	1980	1980	1980		
		1	0	21.21	21.08	21.10	22.5	1	0	21.21	21.08	21.10	22.5
		1	14	21.08	21.03	21.10	22.5	1	14	21.08	21.03	21.10	22.5
		1	0	20.12	20.09	20.10	21.5	1	0	20.12	20.09	20.10	21.5
		8	0	20.12	20.12	20.12	21.5	8	0	20.12	20.12	20.12	21.5
		8	7	20.29	20.25	20.25	21.5	8	7	20.29	20.25	20.25	21.5
		1	0	20.39	20.34	20.29	21.5	1	0	20.39	20.34	20.29	21.5
		1	7	20.48	20.40	20.37	21.5	1	7	20.48	20.40	20.37	21.5
		14	0	20.42	20.31	20.31	21.5	14	0	20.42	20.31	20.31	21.5
10M	16QAM	1	0	16.23	16.13	16.08	20.5	1	0	16.23	16.13	16.08	20.5
		8	3	16.34	16.25	16.27	20.5	8	3	16.34	16.25	16.27	20.5
		15	0	16.32	16.22	16.24	20.5	15	0	16.32	16.22	16.24	20.5
		1	0	16.28	16.34	16.24	20.5	1	0	16.28	16.34	16.24	20.5
		8	3	16.31	16.28	16.22	20.5	8	3	16.31	16.28	16.22	20.5
		1	14	16.41	16.23	16.21	20.5	1	14	16.41	16.23	16.21	20.5
		8	0	16.35	16.15	16.22	19.5	8	0	16.35	16.15	16.22	19.5
		8	7	16.35	16.23	16.30	19.5	8	7	16.35	16.23	16.30	19.5
		15	0	16.28	16.18	16.21	19.5	15	0	16.28	16.18	16.21	19.5
		1	0	16.17	16.17	16.28	17.5	1	0	16.17	16.17	16.28	17.5
20M	QPSK	Channel	1980	1980	1980	1980		Channel	1980	1980	1980		
		Frequency (MHz)	1980	1980	1980	1980		Frequency (MHz)	1980	1980	1980		
		1	0	21.28	21.08	21.07	22.5	1	0	21.28	21.08	21.07	22.5
		1	18	21.16	21.11	21.08							

LTE Band 7 (Aur)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max	Turnup (dBm)	Max Turnup (dBm)
		Channel	200K	210K	210K				
		Frequency (MHz)	200K	210K	210K	796	797		
20M	QPSK	1	0	23.23	23.26	23.15	24.5		
		1	50	23.19	23.20	23.13	24.5		
		1	100	23.04	23.10	23.06	24.5		
		50	0	23.19	22.22	22.13	23.5		
		100	0	22.18	22.19	22.11	23.5		
		50	0	22.21	22.23	22.15	23.5		
		100	0	22.24	22.26	22.18	23.5		
		1	50	22.35	22.43	22.26	23.5		
		1	99	22.35	22.27	22.24	23.5		
		50	0	21.52	21.13	21.11	22.5		
100M	16QAM	50	25	21.24	21.17	21.09	22.5		
		50	50	21.18	21.14	21.10	22.5		
		100	0	21.05	21.15	21.11	22.5		
		1	0	21.43	21.39	21.23	22.5		
		1	50	21.32	21.17	21.24	22.5		
		1	99	21.09	21.11	21.26	22.5		
		50	0	20.35	20.21	20.14	21.5		
		50	50	20.29	20.18	20.11	21.5		
		50	50	20.21	20.13	20.13	21.5		
		100	0	20.20	20.17	20.10	21.5		
200M	16QAM	1	50	18.37	18.21	18.21	19.5		
		1	99	18.37	18.35	18.18	19.5		
		50	0	18.38	18.37	18.18	19.5		
		50	25	18.27	18.21	18.14	19.5		
		50	50	18.23	18.25	18.20	19.5		
		100	0	18.14	18.15	18.15	19.5		
500	QPSK	Channel	200K	210K	210K	Max Turnup (dBm)	Max Turnup (dBm)		
		Frequency (MHz)	200K	210K	210K	796.5	797.5		
		1	57	23.18	23.08	23.11	24.5		
		1	74	22.97	23.05	22.95	24.5		
		36	0	22.04	22.05	22.01	23.5		
		36	19	22.14	22.13	22.03	23.5		
		36	39	22.05	22.07	22.06	23.5		
		36	50	22.11	22.08	22.00	23.5		
		1	0	22.50	22.25	22.21	23.5		
		1	37	22.94	22.42	22.23	23.5		
100M	16QAM	36	0	21.33	21.17	21.09	22.5		
		36	0	21.31	21.04	21.15	22.5		
		75	0	21.13	21.13	21.06	22.5		
		36	19	21.10	21.08	21.15	22.5		
		75	0	21.19	21.01	21.01	22.5		
		1	57	21.25	21.02	21.13	22.5		
		1	74	20.98	21.03	21.24	22.5		
		36	19	20.27	20.08	20.04	21.5		
		36	19	20.21	20.04	20.04	21.5		
		36	39	20.01	20.03	19.99	21.5		
200M	16QAM	75	0	20.17	20.04	19.98	21.5		
		1	0	19.21	19.20	19.21	19.5		
		1	74	19.25	19.09	19.06	19.5		
		36	0	18.38	18.02	18.05	18.5		
		36	19	18.16	18.05	18.05	18.5		
		36	19	18.10	18.12	18.06	18.5		
		75	0	18.22	18.08	18.13	18.5		
500	QPSK	Channel	200K	210K	210K	Max Turnup (dBm)	Max Turnup (dBm)		
		Frequency (MHz)	200K	210K	210K	796.5	797.5		
		1	0	23.15	23.14	23.07	24.5		
		1	24	23.14	23.16		24.5		
		1	49	22.97	22.95	22.99	24.5		
		25	0	22.02	22.14	22.01	23.5		
		25	0	22.14	22.14	22.07	23.5		
		25	25	22.10	22.13	22.04	23.5		
		50	0	22.18	22.18	22.13	23.5		
		1	24	22.40	22.28	22.21	23.5		
100M	16QAM	1	49	22.33	22.20	22.10	23.5		
		25	0	21.90	21.08	21.14	22.5		
		25	12	21.16	21.05	20.99	22.5		
		25	25	21.09	20.96	21.00	22.5		
		50	0	21.21	21.10	21.00	22.5		
		1	0	21.29	21.19	21.12	22.5		
		1	24	21.31	21.10	21.20	22.5		
		1	49	21.03	21.02	21.13	22.5		
		25	0	20.20	20.09	20.03	21.5		
		50	0	20.18	20.15	20.06	21.5		
200M	16QAM	25	25	20.09	20.08	19.98	21.5		
		50	0	19.20	19.28	19.22	19.5		
		1	49	18.17	18.10	18.15	19.5		
		1	49	18.27	18.01	18.17	19.5		
		25	0	18.38	18.05	18.10	19.5		
		25	12	18.26	18.19	18.05	19.5		
		25	25	18.17	18.11	18.10	19.5		
		50	0	18.10	18.10	18.08	19.5		
500	QPSK	Channel	200K	210K	210K	Max Turnup (dBm)	Max Turnup (dBm)		
		Frequency (MHz)	200K	210K	210K	796.5	797.5		
		1	12	23.15	23.16	23.08	24.5		
		1	24	22.93	22.95	22.92	24.5		
		12	0	21.98	22.11	22.11	23.5		
		12	6	22.01	22.09	22.07	23.5		
		12	13	22.14	22.10	21.97	23.5		
		25	0	22.06	22.10	22.05	23.5		
		1	0	22.38	22.21	22.22	23.5		
		1	24	22.22	22.28	22.11	23.5		
100M	16QAM	12	0	21.28	21.05	21.14	22.5		
		12	6	21.23	21.02	21.00	22.5		
		12	13	21.15	21.00	21.07	22.5		
		25	0	21.12	21.13	21.08	22.5		
		1	0	21.39	21.30	21.11	22.5		
		1	12	21.22	21.03	21.18	22.5		
		1	24	20.96	20.90	21.21	22.5		
		12	0	20.20	20.10	19.99	21.5		
		12	6	20.20	20.04	19.98	21.5		
		12	13	20.07	20.02	20.04	21.5		
200M	16QAM	25	0	19.18	19.14	19.07	21.5		
		1	0	18.28	18.19	18.20	19.5		
		1	12	18.30	18.15	18.06	19.5		
		1	24	18.38	18.00	18.11	19.5		
		12	6	18.24	18.12	18.10	19.5		
		12	1	18.13	18.15	18.10	19.5		
		12	13	18.10	18.23	18.19	19.5		
		25	0	18.17	18.13	18.00	19.5		

LTE Band 12 (Aur)											
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max	Turnup (dBm)	Max Turnup (dBm)		
		Channel	200K	210K	210K						
20M	QPSK	1	0	24.15	24.20	24.21	25.5				
		1	24	24.20	24.24	24.22	25.5				
		1	49	24.07	24.11	24.08	25.5				
		25	0	23.20	23.21	23.19	24.5				
		25	25	23.25	23.28	23.23	24.5				
		50	0	23.25	23.27	23.20	24.5				
		1	24	23.48	23.48	23.47	24.5				
		1	49	23.37	23.31	23.31	24.5				
		25	0	22.22	22.26	22.22	23.5				
		25	25	22.24	22.26	22.19	23.5				
100M	16QAM	25	0	22.27	22.23	22.20	23.5				
		1	0	22.44	22.44	22.39	23.5				
		1	24	22.46	22.41	22.35	23.5				
		1	49	22.29	22.29	22.29	23.5				
		25	0	21.20	21.21	21.20	22.5				
		25	12	21.27	21.24	21.24	22.5				
		25	25	21.29	21.23	21.21	22.5				
		50	0	21.25	21.18	21.28	22.5				
		1	24	19.37	19.36	19.39	20.5				
		1	49	19.23	19.34	19.33	20.5				
200M	16QAM	25	0	19.22	19.24	19.24	20.5				
		25	12	19.33	19.27	19.30	20.5				
		25	25	19.34	19.29	19.32	20.5				
		50	0	19.32	19.32	19.32	20.5				
500	QPSK	Channel	200K	210K	210K	Max Turnup (dBm)	Max Turnup (dBm)				
		Frequency (MHz)	796.5	797.5	791.5	796.5	797.5				
		1	0	24.04	24.08	24.12	25.5				
20M	QPSK	1	12	24.22	24.20	24.18	25.5				
		1	24	24.08	24.12	24.13	25.5				
		12	0	23.08	23.19	23.18	24.5				
		12	6	23.19	23.17	23.19	24.5				
		12	13	23.17	23.16	23.20	24.5				
		25	0	23.18	23.18	23.18	24.5				
		1	12	23.14	23.14	23.14	24.5				
		1	12	23.14	23.16	23.13	24.5				
		1	24	23.33	23.16	23.18	24.5				
		12	0	22.11	22.23	22.18	23.5				
100M	16QAM	12	6	22.29	22.07	22.13	23.5				
		12	13	22.15	22.06	22.17	23.5				
		12	13	22.15	22.06	22.17	23.5				
		1	0	22.34	22.38	22.30	23.5				
		1	12	22.36	22.36	22.36	23.5				
		1	24	22.27	22.16	22.28	23.5				
		12	0	21.15	21.15	21.12	22.5				
		12	6	21.22	21.19	21.23	22.5				
		12	13	21.25	21.09	21.10	22.5				
		25	0	21.23	21.11	21.21	22.5				
200M	16QAM	12	6	21.32	21.19	21.33	22.5				
		1	12	19.32	19.31	19.32	20.5				
		1	24	19.24	19.31	19.27	20.5				
		12	0	19.07	19.20	19.23	20.5				
		12	6	19.19	19.28	19.17	20.5				
		12	13	19.32	19.27	19.31	20.5				
		25	0	19.20	19.15	19.22	20.5				
		500	QPSK	Channel	200K	210K	210K	Max Turnup (dBm)	Max Turnup (dBm)		
				Frequency (MHz)	796.5	797.5	791.5	796.5	797.5		
				1	0	24.08	24.09	24.11	25.5		
1	7			24.20	24.16	24.11	25.5				
1	24			24.05	24.10	24.07	25.5				
8	0			23.11	23.20	23.08	24.5				
8	3			23.20	23.18	23.04	24.5				
8	7			23.20	23.11	23.21	24.5				
15	0			23.21	23.17	23.18	24.5				
1	7			23.33	23.33	23.43	24.5				
100M	16QAM	1	14	23.34	23.16	23.17	24.5				
		8	0	22.03	22.11	22.03	23.5				
		8	3	22.24	22.18	22.11	23.5				
		8	7	22.22	22.11	22.16	23.5				
		15	0	22.19	22.13	22.14	23.5				
		1	0	22.37	22.38	22.31	23.5				
		1	7	22.28	22.46	22.34	23.5				
		1	14	22.26	22.18	22.27	23.5				
		8	0	21.16	21.20	21.09	22.5				
		15	0	21.24	21.12	21.22	22.5				
200M	16QAM	8	7	21.19	21.16	21.13	22.5				
		15	0	21.52	21.37	21.15	22.5				
		1	0	21.24	21.26	21.06	22.5				
		1	7	19.30	19.36	19.24	20.5				
		1	14	19.18	19.15	19.29	20.5				
		8	0	19.10	19.10	19.22	20.5				
		8	3	19.27	19.12	19.27	20.5				
		15	0	19.26	19.24	19.15	20.5				
		500	QPSK	Channel	200K	210K	210K	Max Turnup (dBm)	Max Turnup (dBm)		
				Frequency (MHz)	796.5	797.5	791.5	796.5	797.5		
1	2			24.02	24.12	24.14	25.5				
1	2			24.00	24.20	24.19	25.5				
1	2			23.98	23.98	24.00	25.5				
3	1			24.05	24.05	23.99	25.5				
3	1			24.00	24.00	24.00	25.5				
6	0			23.18	23.26	23.11	24.5				
6	0			23.20	23.44	23.38	24.5				
1	2			23.38	23.38	23.38	24.5				
100M	16QAM	1	5	23.31	23.25	22.97	24.5				
		3	0	23.61	23.62	23.62	24.5				
		1	1	23.66	23.61	23.62	24.5				
		3	3	22.83	23.03	22.84	23.5				
		6	0	23.13	23.13	23.13	24.5				
		1	0	23.38	23.39	23.28	23.5				
		1	2	22.41	22.37	22.24	23.5				
		1	5	21.18	21.22	21.24	22.5				
		3	1	21.15	21.18	21.19	22.5				
		6	0	23.10	23.10	23.18	22.5				
200M	16QAM	1	2	19.28	19.31	19.35	20.5				
		1	5	19.08	19.22	19.30	20.5				
		3	0	19.12	19.19	19.22	20.5				
		3	1	19.27	19.20	19.26	20.5				
		3	1	19.28	19.19	19.23	20.5				
		3	0	19.17	19.17	19.28	20.5				
		3	1	19.29	19.29	19.29	20.5				
		3	1	19.29	19.29	19.29	20.5				
		3	1	19.29	19.29	19.29	20.5				
		3	1	19.29	19.29	19.29	20.5				

LTE Band 40 for SAR (Ant4)												
BW	MCS Index	RB Size		RB Offset		Low		High Mid		Max. Throughput (Mbps)		
		Channel		Channel		Channel		Channel				
		RB Size	RB Offset	Low	High Mid	High	Max. Throughput (Mbps)	Low	High Mid	High		
20M	QPSK	1	0	23.62	23.55	23.41	23.74	24.5	24.5	24.5		
		1	50	23.71	23.58	23.52	23.79	24.5	24.5	24.5		
		1	99	23.87	23.69	23.68	23.76	24.5	24.5	24.5		
		50	0	22.74	22.59	22.50	22.80	23.5	23.5	23.5		
		50	50	22.76	22.65	22.69	22.81	23.5	23.5	23.5		
		100	0	22.75	22.63	22.65	22.83	23.5	23.5	23.5		
		100	50	22.76	22.66	22.67	22.84	23.5	23.5	23.5		
		1	50	22.82	22.47	22.42	22.74	23.5	23.5	23.5		
		1	99	22.84	22.46	22.57	22.72	23.5	23.5	23.5		
		50	0	21.76	21.68	21.64	21.86	22.5	22.5	22.5		
20M	16QAM	1	0	21.72	21.68	21.64	21.82	22.5	22.5	22.5		
		1	50	21.74	21.67	21.64	21.88	22.5	22.5	22.5		
		1	99	21.79	21.62	21.50	21.89	22.5	22.5	22.5		
		50	0	20.77	20.54	20.52	20.84	21.5	21.5	21.5		
		50	50	20.79	20.64	20.69	20.81	21.5	21.5	21.5		
		100	0	20.75	20.62	20.62	20.80	21.5	21.5	21.5		
		100	50	20.76	20.60	20.64	20.83	21.5	21.5	21.5		
		1	50	18.71	18.64	18.58	18.90	19.5	19.5	19.5		
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5		
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5		
20M	64QAM	1	0	18.62	18.60	18.52	18.88	19.5	19.5	19.5		
		1	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5		
		100	0	18.60	18.58	18.60	18.92	19.5	19.5	19.5		
		1	50	18.60	18.58	18.60	18.92	19.5	19.5	19.5		
		100	0	18.60	18.58	18.60	18.92	19.5	19.5	19.5		
		20M	QPSK	1	0	23.62	23.55	23.41	23.74	24.5	24.5	24.5
				1	50	23.71	23.58	23.52	23.79	24.5	24.5	24.5
				1	99	23.87	23.69	23.68	23.76	24.5	24.5	24.5
				50	0	22.74	22.59	22.50	22.80	23.5	23.5	23.5
				50	50	22.76	22.65	22.69	22.81	23.5	23.5	23.5
100	0			22.75	22.63	22.65	22.83	23.5	23.5	23.5		
100	50			22.76	22.66	22.67	22.84	23.5	23.5	23.5		
1	50			22.82	22.47	22.42	22.74	23.5	23.5	23.5		
1	99			22.84	22.46	22.57	22.72	23.5	23.5	23.5		
50	0			21.76	21.68	21.64	21.86	22.5	22.5	22.5		
20M	16QAM	1	0	21.72	21.68	21.64	21.82	22.5	22.5	22.5		
		1	50	21.74	21.67	21.64	21.88	22.5	22.5	22.5		
		1	99	21.79	21.62	21.50	21.89	22.5	22.5	22.5		
		50	0	20.77	20.54	20.52	20.84	21.5	21.5	21.5		
		50	50	20.79	20.64	20.69	20.81	21.5	21.5	21.5		
		100	0	20.75	20.62	20.62	20.80	21.5	21.5	21.5		
		100	50	20.76	20.60	20.64	20.83	21.5	21.5	21.5		
		1	50	18.71	18.64	18.58	18.90	19.5	19.5	19.5		
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5		
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5		
20M	64QAM	1	0	18.62	18.60	18.52	18.88	19.5	19.5	19.5		
		1	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5		
		100	0	18.60	18.58	18.60	18.92	19.5	19.5	19.5		
		1	50	18.60	18.58	18.60	18.92	19.5	19.5	19.5		
		100	0	18.60	18.58	18.60	18.92	19.5	19.5	19.5		
		20M	QPSK	1	0	23.62	23.55	23.41	23.74	24.5	24.5	24.5
				1	50	23.71	23.58	23.52	23.79	24.5	24.5	24.5
				1	99	23.87	23.69	23.68	23.76	24.5	24.5	24.5
				50	0	22.74	22.59	22.50	22.80	23.5	23.5	23.5
				50	50	22.76	22.65	22.69	22.81	23.5	23.5	23.5
100	0			22.75	22.63	22.65	22.83	23.5	23.5	23.5		
100	50			22.76	22.66	22.67	22.84	23.5	23.5	23.5		
1	50			22.82	22.47	22.42	22.74	23.5	23.5	23.5		
1	99			22.84	22.46	22.57	22.72	23.5	23.5	23.5		
50	0			21.76	21.68	21.64	21.86	22.5	22.5	22.5		
20M	16QAM	1	0	21.72	21.68	21.64	21.82	22.5	22.5	22.5		
		1	50	21.74	21.67	21.64	21.88	22.5	22.5	22.5		
		1	99	21.79	21.62	21.50	21.89	22.5	22.5	22.5		
		50	0	20.77	20.54	20.52	20.84	21.5	21.5	21.5		
		50	50	20.79	20.64	20.69	20.81	21.5	21.5	21.5		
		100	0	20.75	20.62	20.62	20.80	21.5	21.5	21.5		
		100	50	20.76	20.60	20.64	20.83	21.5	21.5	21.5		
		1	50	18.71	18.64	18.58	18.90	19.5	19.5	19.5		
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5		
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5		
20M	64QAM	1	0	18.62	18.60	18.52	18.88	19.5	19.5	19.5		
		1	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5		
		100	0	18.60	18.58	18.60	18.92	19.5	19.5	19.5		
		1	50	18.60	18.58	18.60	18.92	19.5	19.5	19.5		
		100	0	18.60	18.58	18.60	18.92	19.5	19.5	19.5		
		20M	QPSK	1	0	23.62	23.55	23.41	23.74	24.5	24.5	24.5
				1	50	23.71	23.58	23.52	23.79	24.5	24.5	24.5
				1	99	23.87	23.69	23.68	23.76	24.5	24.5	24.5
				50	0	22.74	22.59	22.50	22.80	23.5	23.5	23.5
				50	50	22.76	22.65	22.69	22.81	23.5	23.5	23.5
100	0			22.75	22.63	22.65	22.83	23.5	23.5	23.5		
100	50			22.76	22.66	22.67	22.84	23.5	23.5	23.5		
1	50			22.82	22.47	22.42	22.74	23.5	23.5	23.5		
1	99			22.84	22.46	22.57	22.72	23.5	23.5	23.5		
50	0			21.76	21.68	21.64	21.86	22.5	22.5	22.5		
20M	16QAM	1	0	21.72	21.68	21.64	21.82	22.5	22.5	22.5		
		1	50	21.74	21.67	21.64	21.88	22.5	22.5	22.5		
		1	99	21.79	21.62	21.50	21.89	22.5	22.5	22.5		
		50	0	20.77	20.54	20.52	20.84	21.5	21.5	21.5		
		50	50	20.79	20.64	20.69	20.81	21.5	21.5	21.5		
		100	0	20.75	20.62	20.62	20.80	21.5	21.5	21.5		
		100	50	20.76	20.60	20.64	20.83	21.5	21.5	21.5		
		1	50	18.71	18.64	18.58	18.90	19.5	19.5	19.5		
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5		
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5		
20M	64QAM	1	0	18.62	18.60	18.52	18.88	19.5	19.5	19.5		
		1	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5		
		100	0	18.60	18.58	18.60	18.92	19.5	19.5	19.5		
		1	50	18.60	18.58	18.60	18.92	19.5	19.5	19.5		
		100	0	18.60	18.58	18.60	18.92	19.5	19.5	19.5		
		20M	QPSK	1	0	23.62	23.55	23.41	23.74	24.5	24.5	24.5
				1	50	23.71	23.58	23.52	23.79	24.5	24.5	24.5
				1	99	23.87	23.69	23.68	23.76	24.5	24.5	24.5
				50	0	22.74	22.59	22.50	22.80	23.5	23.5	23.5
				50	50	22.76	22.65	22.69	22.81	23.5	23.5	23.5
100	0			22.75	22.63	22.65	22.83	23.5	23.5	23.5		
100	50			22.76	22.66	22.67	22.84	23.5	23.5	23.5		
1	50			22.82	22.47	22.42	22.74	23.5	23.5	23.5		
1	99			22.84	22.46	22.57	22.72	23.5	23.5	23.5		
50	0			21.76	21.68	21.64	21.86	22.5	22.5	22.5		
20M	16QAM	1	0	21.72	21.68	21.64	21.82	22.5	22.5	22.5		
		1	50	21.74	21.67	21.64	21.88	22.5	22.5	22.5		
		1	99	21.79	21.62	21.50	21.89	22.5	22.5	22.5		
		50	0	20.77	20.54	20.52	20.84	21.5	21.5	21.5		
		50	50	20.79	20.64	20.69	20.81	21.5	21.5	21.5		
		100	0	20.75	20.62	20.62	20.80	21.5	21.5	21.5		
		100	50	20.76	20.60	20.64	20.83	21.5	21.5	21.5		
		1	50	18.71	18.64	18.58	18.90	19.5	19.5	19.5		
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5		
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5		
20M	64QAM	1	0	18.62	18.60	18.52	18.88	19.5	19.5	19.5		
		1	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5		
		100	0	18.60	18.58	18.60	18.92	19.5	19.5	19.5		
		1	50	18.60	18.58	18.60	18.92	19.5	19.5	19.5		
		100	0	18.60	18.58	18.60	18.92	19.5	19.5	19.5		
		20M	QPSK	1	0	23.62	23.55	23.41	23.74	24.5	24.5	24.5
				1	50	23.71	23.58	23.52	23.79	24.5	24.5	24.5
				1	99	23.87	23.69	23.68	23.76	24.5	24.5	24.5
				50	0	22.74	22.59	22.50	22.80	23.5	23.5	23.5
				50	50	22.76	22.65	22.69	22.81	23.5	23.5	23.5
100	0			22.75	22.63	22.65	22.83	23.5	23.5	23.5		
100	50			22.76	22.66	22.67	22.84	23.5	23.5	23.5		
1	50			22.82	22.47	22.42	22.74	23.5	23.5	23.5		
1	99			22.84	22.46	22.57	22.72	23.5	23.5	23.5		
50	0			21.76	21.68	21.64	21.86	22.5	22.5	22.5		
20M	16QAM	1	0	21.72	21.68	21.64	21.82	22.5	22.5	22.5		
		1	50	21.74	21.67	21.64	21.88	22.5	22.5	22.5		
		1	99	21.79	21.62	21.50	21.89	22.5	22.5	22.5		
		50	0	20.77	20.54	20.52	20.84	21.5	21.5	21.5		
		50	50	20.79	20.64	20.69						

LTE Band 40 (Ant4)										
BW	MCS Index	RB Size		RB Offset		Low		High		Max. Throughput (Mbps)
		Channel		Channel		Channel		Channel		
		Frequency (MHz)	Offset (MHz)	Low	High	Low	High	Low	High	
20M	QPSK	1	0	23.62	23.47	23.74	24.5	24.5	24.5	24.5
		1	50	23.71	23.58	23.79	24.5	24.5	24.5	24.5
		1	99	23.87	23.64	23.74	24.5	24.5	24.5	24.5
		50	0	22.74	22.49	22.80	23.5	23.5	23.5	23.5
		50	50	22.76	22.59	22.81	23.5	23.5	23.5	23.5
		100	0	22.75	22.48	22.80	23.5	23.5	23.5	23.5
		100	50	22.76	22.49	22.81	23.5	23.5	23.5	23.5
		1	50	22.82	22.42	22.74	23.5	23.5	23.5	23.5
		1	99	22.84	22.49	22.72	23.5	23.5	23.5	23.5
		50	0	21.76	21.58	21.87	22.5	22.5	22.5	22.5
20M	16QAM	1	0	21.72	21.52	21.82	22.5	22.5	22.5	22.5
		1	50	21.74	21.53	21.86	22.5	22.5	22.5	22.5
		1	99	21.79	21.54	21.89	22.5	22.5	22.5	22.5
		50	0	20.77	20.49	20.84	21.5	21.5	21.5	21.5
		50	50	20.79	20.58	20.82	21.5	21.5	21.5	21.5
		100	0	20.75	20.58	20.89	21.5	21.5	21.5	21.5
		100	50	20.76	20.57	20.83	21.5	21.5	21.5	21.5
		1	50	18.70	18.63	18.91	19.5	19.5	19.5	19.5
		1	99	18.71	18.60	18.90	19.5	19.5	19.5	19.5
		50	0	18.61	18.52	18.86	19.5	19.5	19.5	19.5
20M	64QAM	1	0	18.62	18.60	18.88	19.5	19.5	19.5	19.5
		1	50	18.60	18.54	18.92	19.5	19.5	19.5	19.5
		100	0	18.60	18.58	18.92	19.5	19.5	19.5	19.5
20M	256QAM	1	0	18.60	18.57	18.87	19.5	19.5	19.5	19.5
		1	50	18.58	18.57	18.90	19.5	19.5	19.5	19.5
		100	0	18.58	18.57	18.90	19.5	19.5	19.5	19.5
20M	QPSK	1	0	23.61	23.36	23.61	24.5	24.5	24.5	24.5
		1	37	23.66	23.48	23.71	24.5	24.5	24.5	24.5
		1	74	23.69	23.47	23.73	24.5	24.5	24.5	24.5
		36	0	22.67	22.48	22.70	23.5	23.5	23.5	23.5
		36	50	22.68	22.49	22.72	23.5	23.5	23.5	23.5
		36	99	22.71	22.54	22.75	23.5	23.5	23.5	23.5
		75	0	22.64	22.49	22.71	23.5	23.5	23.5	23.5
		75	50	22.64	22.48	22.70	23.5	23.5	23.5	23.5
		1	37	22.47	22.36	22.53	22.5	22.5	22.5	22.5
		1	74	22.55	22.48	22.59	23.5	23.5	23.5	23.5
10M	16QAM	1	0	21.68	21.47	21.70	22.5	22.5	22.5	22.5
		1	36	21.69	21.47	21.70	22.5	22.5	22.5	22.5
		1	75	21.70	21.48	21.76	22.5	22.5	22.5	22.5
		36	0	20.68	20.44	20.72	21.5	21.5	21.5	21.5
		36	50	20.69	20.44	20.73	21.5	21.5	21.5	21.5
		36	99	20.74	20.55	20.80	21.5	21.5	21.5	21.5
		75	0	20.66	20.49	20.72	21.5	21.5	21.5	21.5
		75	50	20.67	20.48	20.73	21.5	21.5	21.5	21.5
		1	37	21.68	21.44	21.70	22.5	22.5	22.5	22.5
		1	74	21.70	21.50	21.70	22.5	22.5	22.5	22.5
10M	64QAM	1	0	20.70	20.38	20.70	21.5	21.5	21.5	21.5
		1	39	20.68	20.37	20.71	21.5	21.5	21.5	21.5
		1	79	20.68	20.49	20.72	21.5	21.5	21.5	21.5
		36	0	19.67	19.29	19.67	20.5	20.5	20.5	20.5
		1	37	19.60	19.34	19.61	20.5	20.5	20.5	20.5
		1	78	19.61	19.34	19.62	20.5	20.5	20.5	20.5
		36	0	18.70	18.38	18.71	19.5	19.5	19.5	19.5
		36	50	18.73	18.55	18.77	19.5	19.5	19.5	19.5
		36	99	18.76	18.58	18.81	19.5	19.5	19.5	19.5
		75	0	18.65	18.57	18.86	19.5	19.5	19.5	19.5
20M	QPSK	1	0	23.61	23.36	23.70	24.5	24.5	24.5	24.5
		1	24	23.65	23.52	23.72	24.5	24.5	24.5	24.5
		1	49	23.67	23.47	23.73	24.5	24.5	24.5	24.5
		25	0	22.63	22.34	22.66	23.5	23.5	23.5	23.5
		25	12	22.62	22.51	22.72	23.5	23.5	23.5	23.5
		25	25	22.68	22.50	22.73	23.5	23.5	23.5	23.5
		50	0	22.74	22.53	22.69	23.5	23.5	23.5	23.5
		1	24	22.49	22.41	22.59	22.5	22.5	22.5	22.5
		1	49	22.52	22.48	22.69	23.5	23.5	23.5	23.5
		1	78	22.61	22.47	22.65	23.5	23.5	23.5	23.5
10M	16QAM	25	12	21.73	21.50	21.73	22.5	22.5	22.5	22.5
		25	25	21.62	21.52	21.78	22.5	22.5	22.5	22.5
		1	0	21.77	21.61	21.77	22.5	22.5	22.5	22.5
		1	0	21.69	21.61	21.69	22.5	22.5	22.5	22.5
		1	24	21.72	21.48	21.75	22.5	22.5	22.5	22.5
		1	49	21.75	21.47	21.78	22.5	22.5	22.5	22.5
		25	0	20.71	20.41	20.78	21.5	21.5	21.5	21.5
		25	12	20.71	20.41	20.78	21.5	21.5	21.5	21.5
		25	25	20.77	20.48	20.80	21.5	21.5	21.5	21.5
		50	0	20.70	20.47	20.80	21.5	21.5	21.5	21.5
20M	QPSK	1	0	18.61	18.31	18.61	19.5	19.5	19.5	19.5
		1	24	18.60	18.57	18.80	19.5	19.5	19.5	19.5
		25	0	18.62	18.52	18.82	19.5	19.5	19.5	19.5
		25	12	18.70	18.57	18.85	19.5	19.5	19.5	19.5
		50	0	18.70	18.57	18.87	19.5	19.5	19.5	19.5
		25	25	18.76	18.58	18.86	19.5	19.5	19.5	19.5
		1	24	18.60	18.57	18.80	19.5	19.5	19.5	19.5
		25	0	18.62	18.52	18.82	19.5	19.5	19.5	19.5
		25	12	18.70	18.57	18.85	19.5	19.5	19.5	19.5
		50	0	18.70	18.57	18.87	19.5	19.5	19.5	19.5
20M	16QAM	1	0	18.61	18.51	18.82	19.5	19.5	19.5	19.5
		1	24	18.60	18.57	18.80	19.5	19.5	19.5	19.5
		25	0	18.62	18.52	18.82	19.5	19.5	19.5	19.5
		25	12	18.70	18.57	18.85	19.5	19.5	19.5	19.5
		50	0	18.70	18.57	18.87	19.5	19.5	19.5	19.5
		25	25	18.76	18.58	18.86	19.5	19.5	19.5	19.5
		1	24	18.60	18.57	18.80	19.5	19.5	19.5	19.5
		25	0	18.62	18.52	18.82	19.5	19.5	19.5	19.5
		25	12	18.70	18.57	18.85	19.5	19.5	19.5	19.5
		50	0	18.70	18.57	18.87	19.5	19.5	19.5	19.5
20M	QPSK	1	0	23.60	23.30	23.70	24.5	24.5	24.5	24.5
		1	12	23.62	23.53	23.71	24.5	24.5	24.5	24.5
		1	24	23.64	23.52	23.73	24.5	24.5	24.5	24.5
		12	0	22.60	22.41	22.77	23.5	23.5	23.5	23.5
		12	6	22.70	22.49	22.75	23.5	23.5	23.5	23.5
		12	12	22.71	22.52	22.76	23.5	23.5	23.5	23.5
		1	0	22.68	22.46	22.71	23.5	23.5	23.5	23.5
		1	24	22.63	22.40	22.68	23.5	23.5	23.5	23.5
		12	6	21.71	21.51	21.76	22.5	22.5	22.5	22.5
		12	12	21.70	21.44	21.74	22.5	22.5	22.5	22.5
10M	16QAM	1	0	21.68	21.47	21.68	22.5	22.5	22.5	22.5
		1	24	21.69	21.48	21.74	22.5	22.5	22.5	22.5
		1	48	21.70	21.49	21.78	22.5	22.5	22.5	22.5
		12	0	20.69	20.42	20.69	21.5	21.5	21.5	21.5
		12	6	20.69	20.46	20.76	21.5	21.5	21.5	21.5
		12	12	20.74	20.53	20.78	21.5	21.5	21.5	21.5
		25	0	20.74	20.43	20.78	21.5	21.5	21.5	21.5
		25	12	20.74	20.43	20.78	21.5	21.5	21.5	21.5
		1	24	18.59	18.45	18.67	19.5	19.5	19.5	19.5
		1	12	18.61	18.46	18.62	19.5	19.5	19.5	19.5
20M	QPSK	1	0	18.70	18.50	18.77	19.5	19.5	19.5	19.5
		1	12	18.73	18.54	18.83	19.5	19.5	19.5	19.5
		1	24	18.75	18.54	18.87	19.5	19.5	19.5	19.5
		12	0	18.70	18.50	18.82	19.5	19.5	19.5	19.5
		12	6	18.73	18.53	18.85	19.5	19.5	19.5	19.5
		12	12	18.74	18.54	18.86	19.5	19.5	19.5	19.5
		25	0	18.70	18.50	18.82	19.5	19.5	19.5	19.5
		25	12	18.73	18.53	18.85	19.5	19.5	19.5	19.5
		25	24	18.75	18.54	18.87	19.5	19.5	19.5	19.5
		12	6	18.70	18.50	18.82	19.5	19.5	19.5	19.5

LTE Band 66 (Ant4)										
BW	Modulation	RB Size		RB Offset		Low		High		Max. Throughput (Mbps)
		Channel	Frequency (MHz)	1702	1702	1702	1702	1702	1702	
20M	QPSK	1	0	23.62	23.37	23.72	24.5	24.5	24.5	24.5
		1	50	23.43	23.41	23.38	24.5	24.5	24.5	24.5
		1	99	23.43	23.38	23.38	24.5	24.5	24.5	24.5
		50	0	22.41	22.40	22.37	23.5	23.5	23.5	23.5
		50	25	22.52	22.54	22.47	23.5	23.5	23.5	23.5
	16QAM	1	0	22.59	22.57	22.57	24.5	24.5	24.5	24.5
		1	50	22.59	22.57	22.57	24.5	24.5	24.5	24.5
		1	99	22.58	22.58	22.58	24.5	24.5	24.5	24.5
		50	0	21.52	21.52	21.42	22.5	22.5	22.5	22.5
		50	25	21.55	21.54	21.48	22.5	22.5	22.5	22.5
40M	QPSK	1	0	21.51	21.50	21.47	22.5	22.5	22.5	22.5
		1	50	21.50	21.47	21.47	22.5	22.5	22.5	22.5
		1	99	21.50	21.47	21.47	22.5	22.5	22.5	22.5
		50	0	20.42	20.39	20.38	21.5	21.5	21.5	21.5
		50	25	20.45	20.38	20.43	21.5	21.5	21.5	21.5
	16QAM	1	0	20.53	20.53	20.41	21.5	21.5	21.5	21.5
		1	50	20.53	20.48	20.41	21.5	21.5	21.5	21.5
		1	99	20.53	20.48	20.41	21.5	21.5	21.5	21.5
		50	0	18.48	18.48	18.38	19.5	19.5	19.5	19.5
		50	25	18.54	18.48	18.47	19.5	19.5	19.5	19.5
80M	QPSK	1	0	18.48	18.48	18.38	19.5	19.5	19.5	19.5
		1	50	18.48	18.48	18.38	19.5	19.5	19.5	19.5
		1	99	18.48	18.48	18.38	19.5	19.5	19.5	19.5
		50	0	16.50	16.49	16.35	18.5	18.5	18.5	18.5
		50	25	16.53	16.49	16.35	18.5	18.5	18.5	18.5
	16QAM	1	0	16.50	16.49	16.35	18.5	18.5	18.5	18.5
		1	50	16.50	16.49	16.35	18.5	18.5	18.5	18.5
		1	99	16.50	16.49	16.35	18.5	18.5	18.5	18.5
		50	0	14.52	14.52	14.42	17.5	17.5	17.5	17.5
		50	25	14.55	14.52	14.42	17.5	17.5	17.5	17.5
QPSK	QPSK	1	0	23.37	23.37	23.37	24.5	24.5	24.5	24.5
		1	50	23.37	23.37	23.37	24.5	24.5	24.5	24.5
		1	74	23.39	23.40	23.33	24.5	24.5	24.5	24.5
		36	0	22.28	22.28	22.23	23.5	23.5	23.5	23.5
		36	39	22.42	22.43	22.48	23.5	23.5	23.5	23.5
	16QAM	1	0	22.42	22.42	22.38	23.5	23.5	23.5	23.5
		1	37	22.58	22.58	22.56	23.5	23.5	23.5	23.5
		1	74	22.63	22.64	22.63	23.5	23.5	23.5	23.5
		36	19	21.47	21.42	21.41	22.5	22.5	22.5	22.5
		36	39	21.53	21.51	21.47	22.5	22.5	22.5	22.5
64QAM	QPSK	1	0	21.46	21.46	21.39	22.5	22.5	22.5	22.5
		1	74	21.55	21.48	21.43	22.5	22.5	22.5	22.5
		36	0	20.33	20.26	20.23	21.5	21.5	21.5	21.5
		36	39	20.43	20.44	20.37	21.5	21.5	21.5	21.5
		75	0	20.49	20.51	20.54	21.5	21.5	21.5	21.5
	16QAM	1	0	20.58	20.42	20.42	21.5	21.5	21.5	21.5
		1	37	20.57	20.52	20.46	21.5	21.5	21.5	21.5
		1	74	18.58	18.49	18.55	19.5	19.5	19.5	19.5
		36	0	18.56	18.48	18.47	19.5	19.5	19.5	19.5
		36	39	18.43	18.52	18.36	19.5	19.5	19.5	19.5
256QAM	QPSK	1	0	18.54	18.47	18.45	19.5	19.5	19.5	19.5
		1	74	18.54	18.47	18.45	19.5	19.5	19.5	19.5
		36	0	16.49	16.49	16.39	18.5	18.5	18.5	18.5
		36	39	16.52	16.51	16.41	18.5	18.5	18.5	18.5
		75	0	16.57	16.58	16.47	18.5	18.5	18.5	18.5
	16QAM	1	0	16.57	16.58	16.47	18.5	18.5	18.5	18.5
		1	37	16.58	16.51	16.45	18.5	18.5	18.5	18.5
		1	74	14.58	14.49	14.55	17.5	17.5	17.5	17.5
		36	0	14.56	14.48	14.47	17.5	17.5	17.5	17.5
		36	39	14.43	14.52	14.36	17.5	17.5	17.5	17.5
QPSK	QPSK	1	0	23.37	23.37	23.37	24.5	24.5	24.5	24.5
		1	24	23.34	23.39	23.37	24.5	24.5	24.5	24.5
		1	49	23.46	23.34	23.33	24.5	24.5	24.5	24.5
		12	0	22.30	22.32	22.27	23.5	23.5	23.5	23.5
		12	25	22.57	22.48	22.44	23.5	23.5	23.5	23.5
	16QAM	1	0	22.47	22.47	22.42	23.5	23.5	23.5	23.5
		1	37	22.62	22.60	22.58	23.5	23.5	23.5	23.5
		1	24	22.80	22.80	22.69	23.5	23.5	23.5	23.5
		12	0	21.41	21.39	21.33	22.5	22.5	22.5	22.5
		12	25	21.40	21.46	21.34	22.5	22.5	22.5	22.5
64QAM	QPSK	1	0	21.46	21.46	21.39	22.5	22.5	22.5	22.5
		1	24	21.55	21.48	21.43	22.5	22.5	22.5	22.5
		12	0	20.33	20.32	20.26	21.5	21.5	21.5	21.5
		12	25	20.43	20.48	20.40	21.5	21.5	21.5	21.5
		60	0	20.49	20.51	20.54	21.5	21.5	21.5	21.5
	16QAM	1	0	20.58	20.42	20.42	21.5	21.5	21.5	21.5
		1	24	18.48	18.51	18.40	19.5	19.5	19.5	19.5
		12	0	18.57	18.44	18.41	19.5	19.5	19.5	19.5
		12	25	18.53	18.56	18.46	19.5	19.5	19.5	19.5
		60	0	16.52	16.58	16.47	18.5	18.5	18.5	18.5
256QAM	QPSK	1	0	16.57	16.58	16.47	18.5	18.5	18.5	18.5
		1	24	14.58	14.49	14.55	17.5	17.5	17.5	17.5
		12	0	14.56	14.48	14.47	17.5	17.5	17.5	17.5
		12	25	14.43	14.52	14.36	17.5	17.5	17.5	17.5
		60	0	16.49	16.49	16.39	18.5	18.5	18.5	18.5
	16QAM	1	0	16.57	16.58	16.47	18.5	18.5	18.5	18.5
		1	24	14.58	14.49	14.55	17.5	17.5	17.5	17.5
		12	0	14.56	14.48	14.47	17.5	17.5	17.5	17.5
		12	25	14.43	14.52	14.36	17.5	17.5	17.5	17.5
		60	0	16.49	16.49	16.39	18.5	18.5	18.5	18.5
QPSK	QPSK	1	0	23.37	23.37	23.37	24.5	24.5	24.5	24.5
		1	7	23.28	23.24	23.24	24.5	24.5	24.5	24.5
		1	7	23.24	23.25	23.23	24.5	24.5	24.5	24.5
		8	0	22.37	22.36	22.34	23.5	23.5	23.5	23.5
		8	3	22.57	22.54	22.50	23.5	23.5	23.5	23.5
	16QAM	1	0	22.38	22.38	22.32	23.5	23.5	23.5	23.5
		1	7	22.45	22.42	22.40	23.5	23.5	23.5	23.5
		1	7	22.41	22.41	22.36	23.5	23.5	23.5	23.5
		8	0	21.46	21.42	21.37	22.5	22.5	22.5	22.5
		8	7	21.48	21.48	21.39	22.5	22.5	22.5	22.5
64QAM	QPSK	1	0	21.46	21.46	21.39	22.5	22.5	22.5	22.5
		1	7	21.54	21.51	21.46	22.5	22.5	22.5	22.5
		1	7	21.49	21.65	21.42	22.5	22.5	22.5	22.5
		8	0	20.30	20.31	20.29	21.5	21.5	21.5	21.5
		8	3	20.38	20.43	20.38	21.5	21.5	21.5	21.5
	16QAM	1	0	20.40	20.40	20.34	21.5	21.5	21.5	21.5
		1	7	20.44	20.41	20.39	21.5	21.5	21.5	21.5
		1	14	18.58	18.51	18.42	19.5	19.5	19.5	19.5
		8	0	18.57	18.56	18.31	19.5	19.5	19.5	19.5
		8	7	18.47	18.47	18.31	19.5	19.5	19.5	19.5
256QAM	QPSK	1	0	18.55	18.47	18.40	19.5	19.5	19.5	19.5
		1	7	18.55	18.47	18.40	19.5	19.5	19.5	19.5
		1	14	16.58	16.58	16.48	18.5	18.5	18.5	18.5
		8	0	16.57	16.58	16.31	18.5	18.5	18.5	18.5
		8	7	16.47	16.47	16.31	18.5	18.5	18.5	18.5
	16QAM	1	0	16.57	16.58	16.48	18.5	18.5	18.5	18.5
		1	7	16.58	16.51	16.45	18.5	18.5	18.5	18.5
		1	14	14.58	14.49	14.55	17.5	17.5	17.5	17.5
		8	0	14.56	14.48	14.47	17.5	17.5	17.5	17.5
		8	7	14.43	14.52	14.36	17.5	17.5	17.5	17.5
QPSK	QPSK	1	0	23.37	23.37	23.37	24.5	24.5	24.5	24.5
		1	7	23.29	23.26	23.26	24.5	24.5	24.5	24.5
		3	8	23.30	23.12	23.13	24.5	24.5	24.5	24.5
		1	7	23.32	23.23	23.23	24.5	24.5	24.5	24.5
		3	3	23.25	23.16	23.22	24.5	24.5	24.5	24.5
	16QAM	1	0	22.39	22.38	22.32	23.5	23.5	23.5	23.5
		1	7	22.48	22.48	22.36	23.5	23.5	23.5	23.5
		1	2	22.50	22.50	22.47	23.5	23.5	23.5	23.5
		1	5	22.54	22.48	22.49	23.5	23.5	23.5	23.5
		3	3	22.28	22.24	22.17	23.5	23.5	23.5	23.5
64QAM	QPSK	1	0	21.46	21.46	21.39	22.5	22.5	22.5	22.5
		1	2	21.48	21.54	21.34	22.5	22.5	22.5	22.5
		1	2	21.49	21.50	21.46	22.5	22.5	22.5	22.5
		3	1	21.50	21.49	21.38	22.5	22.5	22.5	22.5
		3	1	21.50	21.49	21.38	22.5	22.5	22.5	22.5
	16QAM	1	0	20.30	20.31	20.29	21.5	21.5	21.5	21.5
		1	2	20.38	20.40	20.31	21.5	21.5	21.5	21.5
		1	2	20.38	20.40	20.31	21.5	21.5	21.5	21.5
		3	1	18.48	18.48	18.43	19.5	19.5	19.5	19.5
		3	1	18.46	18.46	18.37	19.5	19.5	19.5	19.5
256QAM	QPSK	1	0	18.48	18.48	18.43	19.5	19.5	19.5	19.5
		1	2	18.48	18.48					

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.44	23.41	23.47	24.5
		1	53	23.36	23.37	23.41	24.5
		1	104	23.38	23.31	23.35	24.5
		50	0	23.47	23.54	23.53	24.5
		50	28	23.46	23.46	23.55	24.5
		50	56	23.60	23.48	23.53	24.5
		100	0	23.48	23.54	23.49	24.5
	DFT-s-OFDM QPSK	1	1	23.61	23.55	23.57	24.5
		1	53	23.46	23.36	23.43	24.5
		1	104	23.11	23.47	23.32	24.5
		50	0	22.98	23.01	22.93	23.5
		50	28	23.58	23.50	23.44	24.5
		50	56	23.04	22.97	22.58	23.5
		100	0	22.98	22.95	22.93	23.5
	DFT-s-OFDM 16QAM	1	1	22.93	22.93	23.19	23.5
	DFT-s-OFDM 64QAM	1	1	21.63	21.65	21.06	22.5
	DFT-s-OFDM 256QAM	1	1	18.99	19.04	19.06	20.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	23.58	23.47	23.48	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.55	23.45	23.44	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	23.57	23.41	23.55	24.5

n5 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.42	23.38	23.46	24.5
		1	53	23.48	23.51	23.45	24.5
		1	104	23.40	23.53	23.41	24.5
		50	0	23.51	23.58	23.52	24.5
		50	28	23.43	23.55	23.52	24.5
		50	56	23.50	23.53	23.56	24.5
		100	0	23.47	23.56	23.57	24.5
	DFT-s-OFDM QPSK	1	1	23.57	23.64	23.55	24.5
		1	53	23.38	23.42	23.48	24.5
		1	104	23.41	23.43	23.42	24.5
		50	0	23.52	23.58	23.50	24.5
		50	28	23.46	23.59	23.49	24.5
		50	56	23.53	23.61	23.51	24.5
		100	0	23.50	23.57	23.54	24.5
	DFT-s-OFDM 16QAM	1	1	23.32	23.43	23.39	24.5
	DFT-s-OFDM 64QAM	1	1	21.68	22.15	22.04	22.5
	DFT-s-OFDM 256QAM	1	1	19.98	19.53	19.54	20.5
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	1	1	23.49	23.62	23.53	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.50	23.55	23.44	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.43	23.51	23.52	24.5

n48 (SCS 30 kHz) (Ant4)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM P/2 BPSK	1	1	23.47	23.83	24.05	24.5
		1	53	23.56	23.91	24.04	24.5
		1	104	23.70	24.11	24.09	24.5
		50	0	23.63	23.93	24.10	24.5
		50	28	23.63	23.95	24.09	24.5
		50	56	23.70	23.98	24.13	24.5
		100	0	23.61	23.91	24.09	24.5
		1	1	23.71	24.12	24.16	24.5
	DFT-s-OFDM QPSK	1	53	23.52	23.86	24.03	24.5
		1	104	23.68	23.97	24.05	24.5
		50	0	23.62	23.96	24.11	24.5
		50	28	23.57	23.93	24.04	24.5
		50	56	23.61	23.92	24.07	24.5
		100	0	23.59	23.92	23.96	24.5
	DFT-s-OFDM 16QAM	1	53	23.58	23.86	24.02	24.5
	DFT-s-OFDM 64QAM	1	53	23.36	23.59	23.60	24
	DFT-s-OFDM 256QAM	1	53	22.05	22.20	22.35	23
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	23.60	24.05	24.01	24.5
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	23.63	24.00	24.08	24.5

n66 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM P/2 BPSK	1	1	23.43	23.44	23.41	24.5
		1	108	23.47	23.36	23.37	24.5
		1	214	23.42	23.29	23.24	24.5
		108	0	23.21	22.80	22.57	24
		108	54	23.01	22.88	23.51	24.5
		108	108	23.12	22.47	22.41	24
		216	0	23.09	22.50	22.50	24
		1	1	23.51	23.54	23.33	24.5
	DFT-s-OFDM QPSK	1	108	23.47	23.34	23.27	24.5
		1	214	23.39	23.31	23.18	24.5
		108	0	22.58	22.57	22.43	23.5
		108	54	23.25	23.49	23.30	24.5
		108	108	22.67	22.57	22.30	23.5
		216	0	22.51	22.56	22.35	23.5
	DFT-s-OFDM 16QAM	1	1	22.45	22.07	22.63	23.5
	DFT-s-OFDM 64QAM	1	1	21.18	20.94	20.53	22
	DFT-s-OFDM 256QAM	1	1	18.45	18.86	18.43	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.21	23.36	23.46	24.5
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	23.37	23.24	23.15	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.29	23.41	23.35	24.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	23.18	23.27	23.17	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.09	23.22	23.31	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.23	23.41	23.36	24.5

n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Channel		Mid	Max. Tune-up (dBm)
		Frequency (MHz)		3500.01			
100M	DFT-s-OFDM P/2 BPSK	1	1		23.10		24.5
		1	137		22.95		24.5
		1	271		22.94		24.5
		135	0		23.07		24.5
		135	69		23.04		24.5
		135	138		23.00		24.5
	DFT-s-OFDM QPSK	270	0		23.03		24.5
		1	1		23.18		24.5
		1	137		22.99		24.5
		1	271		22.98		24.5
		135	0		23.08		24.5
		135	69		23.04		24.5
		135	138		23.10		24.5
		270	0		23.05		24.5
	DFT-s-OFDM 16QAM	1	1		23.07		24.5
	DFT-s-OFDM 64QAM	1	1		22.75		23.5
	DFT-s-OFDM 256QAM	1	1		21.12		22
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	23.09	23.16	23.14	24.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	23.05	23.05	22.99	24.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	23.03	23.03	23.02	24.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	23.07	23.02	23.05	24.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	23.03	23.02	23.10	24.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	23.00	23.10	23.02	24.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	22.96	23.07	23.12	24.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	22.96	23.07	23.08	24.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	23.01	23.14	22.99	24.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	22.94	23.03	23.06	24.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	22.85	22.83	22.76	24.5

n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	23.28	23.75	23.84	24.5
		1	137	23.25	23.29	23.76	24.5
		1	271	23.31	23.55	23.91	24.5
		135	0	23.26	23.39	23.70	24.5
		135	69	23.29	23.47	23.75	24.5
		135	138	23.34	23.42	23.83	24.5
	DFT-s-OFDM QPSK	270	0	23.28	23.38	23.74	24.5
		1	1	23.35	23.92	23.95	24.5
		1	137	23.25	23.75	23.72	24.5
		1	271	23.27	23.80	23.82	24.5
		135	0	23.23	23.70	23.74	24.5
		135	69	23.28	23.69	23.71	24.5
		135	138	23.29	23.77	23.82	24.5
		270	0	23.24	23.73	23.77	24.5
	DFT-s-OFDM 16QAM	1	1	23.26	23.43	23.37	24.5
	DFT-s-OFDM 64QAM	1	1	23.27	23.25	23.30	23.5
	DFT-s-OFDM 256QAM	1	1	21.88	21.48	21.51	22
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
Frequency (MHz)		3745.02	3840	3934.98			
90M	DFT-s-OFDM QPSK	1	1	23.34	23.90	23.91	24.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
Frequency (MHz)		3740.01	3840	3939.99			
80M	DFT-s-OFDM QPSK	1	1	23.32	23.85	23.92	24.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
Frequency (MHz)		3735	3840	3945			
70M	DFT-s-OFDM QPSK	1	1	23.25	23.76	23.79	24.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
Frequency (MHz)		3730.02	3840	3949.98			
60M	DFT-s-OFDM QPSK	1	1	23.28	23.76	23.84	24.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
Frequency (MHz)		3725.01	3840	3954.99			
50M	DFT-s-OFDM QPSK	1	1	23.31	23.80	23.86	24.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
Frequency (MHz)		3720	3840	3960			
40M	DFT-s-OFDM QPSK	1	1	23.19	23.88	23.93	24.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
Frequency (MHz)		3715.02	3840	3964.98			
30M	DFT-s-OFDM QPSK	1	1	23.24	23.83	23.93	24.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
Frequency (MHz)		3710.01	3840	3969.99			
20M	DFT-s-OFDM QPSK	1	1	23.31	23.78	23.87	24.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
Frequency (MHz)		3707.52	3840	3972.48			
15M	DFT-s-OFDM QPSK	1	1	23.25	23.75	23.80	24.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
Frequency (MHz)		3705	3840	3975			
10M	DFT-s-OFDM QPSK	1	1	23.20	23.77	23.81	24.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
Frequency (MHz)		3702.51	3840	3977.49			
5M	DFT-s-OFDM QPSK	1	1	23.33	23.54	23.62	24.5

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)	
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	DFT-s-OFDM P/2 BPSK	1	1	26.13		27.5	
		1	137	25.89		27.5	
		1	271	25.96		27.5	
		135	0	25.50		27	
		135	69	25.97		27.5	
		135	138	25.45		27	
		270	0	25.49		27	
	DFT-s-OFDM QPSK	1	1	26.18		27.5	
		1	137	25.82		27.5	
		1	271	25.91		27.5	
		135	0	25.11		26.5	
		135	69	25.95		27.5	
		135	138	24.92		26.5	
		270	0	25.05		26.5	
	DFT-s-OFDM 16QAM	1	1	24.98		26.5	
	DFT-s-OFDM 64QAM	1	1	23.49		25	
	DFT-s-OFDM 256QAM	1	1	21.44		23	
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	26.16	26.14	26.12	27.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	26.08	26.07	26.02	27.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	26.02	26.08	26.07	27.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	26.10	26.13	25.99	27.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	26.15	26.12	26.07	27.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	26.14	26.13	26.02	27.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	26.13	26.12	26.00	27.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	26.06	26.03	26.06	27.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	26.01	26.10	26.02	27.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	26.04	26.08	25.99	27.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	25.93	26.07	25.85	27.5

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	26.43	26.51	26.82	27.5
		1	137	26.28	26.36	26.79	27.5
		1	271	26.40	26.61	26.76	27.5
		135	0	25.80	25.83	26.22	27
		135	69	26.27	26.32	26.60	27.5
		135	138	25.93	26.00	26.41	27
		270	0	25.88	25.97	26.30	27
	DFT-s-OFDM QPSK	1	1	26.50	26.67	26.96	27.5
		1	137	26.33	26.41	26.75	27.5
		1	271	26.40	26.61	26.95	27.5
		135	0	25.41	25.57	25.73	26.5
		135	69	26.31	26.40	26.78	27.5
		135	138	25.43	25.68	25.90	26.5
		270	0	25.32	25.46	25.78	26.5
	DFT-s-OFDM 16QAM	1	1	25.23	25.53	25.50	26.5
	DFT-s-OFDM 64QAM	1	1	23.48	23.49	23.81	25
	DFT-s-OFDM 256QAM	1	1	21.20	21.36	21.53	23
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	26.37	26.62	26.89	27.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3938.99	
80M	DFT-s-OFDM QPSK	1	1	26.48	26.58	26.87	27.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	26.40	26.57	26.85	27.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	26.45	26.58	26.88	27.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	26.46	26.52	26.81	27.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	26.40	26.52	26.82	27.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	26.43	26.57	26.87	27.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	26.48	26.65	26.90	27.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	26.49	26.62	26.82	27.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	26.48	26.65	26.91	27.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	26.39	26.55	26.78	27.5

Receiver off_2004

CA_5B (Ant2)										
Combination 10MHz+10MHz (50RB+50RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	SCC RB Size	SCC RB offset	Measured Power (dBm)	Max. Tx Power (dBm)
20450	829	20549	838.5	QPSK	1	49	1	0	24.87	25.5
				16QAM	1	49	1	0	23.24	24.5
				25QAM	1	49	1	0	21.35	23.5
				QPSK	1	49	1	0	24.87	25.5
				16QAM	1	49	1	0	23.02	24.5
20476	831.6	20575	841.5	16QAM	1	49	1	0	23.02	24.5
				25QAM	1	49	1	0	19.99	20.5
				QPSK	1	49	1	0	24.74	25.5
				16QAM	1	49	1	0	23.05	24.5
				25QAM	1	49	1	0	21.37	23.5
20501	834.1	20600	844	16QAM	1	49	1	0	19.96	20.5
				25QAM	1	49	1	0	19.96	20.5
				QPSK	1	49	1	0	24.79	25.5
				16QAM	1	49	1	0	23.91	24.5
				25QAM	1	49	1	0	19.81	20.5
20500	834	20572	841.2	QPSK	1	49	1	0	24.79	25.5
				16QAM	1	49	1	0	22.96	24.5
				25QAM	1	49	1	0	21.08	23.5
				QPSK	1	49	1	0	19.86	20.5
				16QAM	1	49	1	0	24.05	25.5
20500	839	20622	846.2	16QAM	1	49	1	0	23.85	24.5
				25QAM	1	49	1	0	21.28	23.5
				QPSK	1	49	1	0	19.66	20.5
				16QAM	1	49	1	0	23.85	24.5
				25QAM	1	49	1	0	19.66	20.5
Combination 10MHz+5MHz (50RB+25RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	SCC RB Size	SCC RB offset	Measured Power (dBm)	Max. Tx Power (dBm)
20458	826.8	20500	834	QPSK	1	24	1	0	24.77	25.5
				16QAM	1	24	1	0	23.04	24.5
				25QAM	1	24	1	0	21.15	23.5
				QPSK	1	24	1	0	19.76	20.5
				16QAM	1	24	1	0	24.65	25.5
20478	831.8	20560	839	16QAM	1	24	1	0	22.94	24.5
				25QAM	1	24	1	0	21.11	23.5
				QPSK	1	24	1	0	19.89	20.5
				16QAM	1	24	1	0	24.60	25.5
				25QAM	1	24	1	0	23.79	24.5
20508	836.8	20600	844	16QAM	1	24	1	0	21.25	23.5
				25QAM	1	24	1	0	19.69	20.5
				QPSK	1	24	1	0	24.83	25.5
				16QAM	1	24	1	0	23.84	24.5
				25QAM	1	24	1	0	21.26	23.5
20510	835	20549	838.5	25QAM	1	24	1	0	19.73	20.5
				QPSK	1	24	1	0	24.63	25.5
				16QAM	1	24	1	0	20.85	24.5
				25QAM	1	24	1	0	21.10	23.5
				16QAM	1	24	1	0	19.83	20.5
20505	843.5	20634	847.4	QPSK	1	24	1	0	24.50	25.5
				16QAM	1	24	1	0	24.81	24.5
				25QAM	1	24	1	0	21.30	23.5
				QPSK	1	24	1	0	19.74	20.5
				25QAM	1	24	1	0	19.69	20.5
Combination 5MHz+5MHz (15RB+15RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	SCC RB Size	SCC RB offset	Measured Power (dBm)	Max. Tx Power (dBm)
20416	826.6	20495	829.5	QPSK	1	14	1	0	24.80	25.5
				16QAM	1	14	1	0	23.89	24.5
				25QAM	1	14	1	0	21.15	23.5
				QPSK	1	14	1	0	19.87	20.5
				16QAM	1	14	1	0	24.58	25.5
20501	834.1	20540	838	16QAM	1	14	1	0	22.86	24.5
				25QAM	1	14	1	0	21.01	23.5
				QPSK	1	14	1	0	19.80	20.5
				16QAM	1	14	1	0	24.57	25.5
				25QAM	1	14	1	0	23.73	24.5
20506	842.6	20625	846.5	16QAM	1	14	1	0	23.79	24.5
				25QAM	1	14	1	0	21.25	23.5
				QPSK	1	14	1	0	19.66	20.5
				16QAM	1	14	1	0	23.79	24.5
				25QAM	1	14	1	0	19.66	20.5

CA_6B (Ant1)										
Combination 10MHz+10MHz (50RB+50RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	SCC RB Size	SCC RB offset	Measured Power	Max. Tx Power
13002	1710	13212	1724.5	QPSK	1	49	1	0	23.86	24.5
				16QAM	1	49	1	0	23.96	24.5
				25QAM	1	49	1	0	21.73	22.5
				QPSK	1	49	1	0	19.11	19.5
				16QAM	1	49	1	0	23.92	24.5
13237	1750.1	13247	1760	25QAM	1	49	1	0	19.94	19.5
				QPSK	1	49	1	0	23.78	24.5
				16QAM	1	49	1	0	23.71	24.5
				25QAM	1	49	1	0	23.21	23.5
				16QAM	1	49	1	0	21.63	22.5
13253	1765.1	13262	1775	25QAM	1	49	1	0	19.92	19.5
				QPSK	1	49	1	0	23.87	24.5
				16QAM	1	49	1	0	23.87	24.5
				25QAM	1	49	1	0	19.92	19.5
				16QAM	1	49	1	0	23.87	24.5
Combination 15MHz+5MHz (75RB+25RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	SCC RB Size	SCC RB offset	Measured Power	Max. Tx Power
132047	1717.5	132145	1728.5	QPSK	1	74	1	0	23.75	24.5
				16QAM	1	74	1	0	23.16	23.5
				25QAM	1	74	1	0	19.87	19.5
				QPSK	1	74	1	0	23.71	24.5
				16QAM	1	74	1	0	23.98	24.5
132996	1752.5	132491	1761.5	16QAM	1	74	1	0	21.59	22.5
				25QAM	1	74	1	0	19.87	19.5
				QPSK	1	74	1	0	23.80	24.5
				16QAM	1	74	1	0	23.10	23.5
				25QAM	1	74	1	0	19.83	19.5
132549	1767.7	132642	1777	16QAM	1	74	1	0	23.10	23.5
				25QAM	1	74	1	0	21.44	22.5
				QPSK	1	74	1	0	19.83	19.5
				16QAM	1	74	1	0	23.10	23.5
				25QAM	1	74	1	0	19.83	19.5
Combination 10MHz+5MHz (50RB+25RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	SCC RB Size	SCC RB offset	Measured Power	Max. Tx Power
13002	1710	132094	1722.2	QPSK	1	49	1	0	23.83	24.5
				16QAM	1	49	1	0	23.23	23.5
				25QAM	1	49	1	0	21.27	22.5
				QPSK	1	49	1	0	19.15	19.5
				16QAM	1	49	1	0	23.89	24.5
13237	1752.5	132489	1762.7	25QAM	1	49	1	0	19.94	19.5
				QPSK	1	49	1	0	23.76	24.5
				16QAM	1	49	1	0	23.54	24.5
				25QAM	1	49	1	0	23.22	23.5
				16QAM	1	49	1	0	21.56	22.5
132572	1770	132644	1777.2	25QAM	1	49	1	0	19.95	19.5
				QPSK	1	49	1	0	23.80	24.5
				16QAM	1	49	1	0	23.70	24.5
				25QAM	1	49	1	0	23.25	23.5
				16QAM	1	49	1	0	21.64	22.5
Combination 5MHz+5MHz (25RB+25RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	SCC RB Size	SCC RB offset	Measured Power	Max. Tx Power
130000	1712.8	132072	1720	QPSK	1	24	1	0	23.25	23.5
				16QAM	1	24	1	0	21.31	22.5
				25QAM	1	24	1	0	19.75	20.5
				QPSK	1	24	1	0	23.70	24.5
				16QAM	1	24	1	0	23.10	23.5
132375	1750.3	132447	1757.5	16QAM	1	24	1	0	21.34	22.5
				25QAM	1	24	1	0	19.74	19.5
				QPSK	1	24	1	0	23.74	24.5
				16QAM	1	24	1	0	23.10	23.5
				25QAM	1	24	1	0	19.75	19.5
132660	1767.8	132622	1775	16QAM	1	24	1	0	21.33	22.5
				25QAM	1	24	1	0	19.73	19.5
				QPSK	1	24	1	0	23.55	24.5
				16QAM	1	24	1	0	23.28	23.5
				25QAM	1	24	1	0	19.83	19.5
Combination 5MHz+5MHz (25RB+25RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	SCC RB Size	SCC RB offset	Measured Power	Max. Tx Power
131987	1712.5	132045	1717.3	QPSK	1	24	1	0	23.25	23.5
				16QAM	1	24	1	0	21.30	22.5
				25QAM	1	24	1	0	19.74	20.5
				QPSK	1	24	1	0	23.74	24.5
				16QAM	1	24	1	0	23.10	23.5
132398	1777.5	132446	1782.3	16QAM	1	24	1	0	21.33	22.5
				25QAM	1	24	1	0	19.73	19.5
				QPSK	1	24	1	0	23.74	24.5
				16QAM	1	24	1	0	23.10	23.5
				25QAM	1	24	1	0	19.83	19.5
132599	1772.7	132647	1777.5	16QAM	1	24	1	0	21.30	22.5
				25QAM	1	24	1	0	19.75	19.5
				QPSK	1	24	1	0	23.70	24.5
				16QAM	1	24	1	0	23.10	23.5
				25QAM	1	24	1	0	19.83	19.5

CA 48C (An4)										
Combination 20MHz+20MHz (100RB+100RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	SCC RB Size	SCC RB offset	Measured Power	Max. Time up Power
55340	3560	55038	3579.8	QPSK	1	90	1	0	23.80	24.5
				16QAM	1	90	1	0	21.80	22.5
				25QAM	1	90	1	0	18.82	19.5
				QPSK	1	90	1	0	23.95	24.5
55991	3615.1	56089	3634.9	16QAM	1	90	1	0	22.93	23.5
				25QAM	1	90	1	0	21.95	22.5
				16QAM	1	90	1	0	19.05	19.5
				QPSK	1	90	1	0	24.02	24.5
56442	3670.2	56840	3690	16QAM	1	90	1	0	22.92	23.5
				25QAM	1	90	1	0	22.02	22.5
				16QAM	1	90	1	0	19.03	19.5
				QPSK	1	90	1	0	24.02	24.5
Combination 20MHz+10MHz (100RB+50RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	SCC RB Size	SCC RB offset	Measured Power	Max. Time up Power
55340	3560	55011	3577.1	QPSK	1	90	1	0	23.75	24.5
				16QAM	1	90	1	0	22.77	23.5
				25QAM	1	90	1	0	18.78	19.5
				QPSK	1	90	1	0	23.94	24.5
55976	3617.6	56087	3634.7	16QAM	1	90	1	0	22.95	23.5
				25QAM	1	90	1	0	21.86	22.5
				16QAM	1	90	1	0	18.95	19.5
				QPSK	1	90	1	0	23.95	24.5
56491	3675.1	56692	3692.2	16QAM	1	90	1	0	22.85	23.5
				25QAM	1	90	1	0	22.00	22.5
				16QAM	1	90	1	0	18.99	19.5
				QPSK	1	90	1	0	24.00	24.5
Combination 10MHz+20MHz (50RB+100RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	SCC RB Size	SCC RB offset	Measured Power	Max. Time up Power
55378	3567.8	55489	3574.9	QPSK	1	74	1	0	23.74	24.5
				16QAM	1	74	1	0	22.75	23.5
				25QAM	1	74	1	0	18.80	19.5
				QPSK	1	74	1	0	23.81	24.5
55993	3615.3	56094	3632.4	16QAM	1	74	1	0	22.90	23.5
				25QAM	1	74	1	0	21.86	22.5
				16QAM	1	74	1	0	18.86	19.5
				QPSK	1	74	1	0	23.97	24.5
56489	3672.9	56640	3690	16QAM	1	74	1	0	22.85	23.5
				25QAM	1	74	1	0	21.95	22.5
				16QAM	1	74	1	0	18.85	19.5
				QPSK	1	74	1	0	23.96	24.5
Combination 20MHz+10MHz (100RB+50RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	SCC RB Size	SCC RB offset	Measured Power	Max. Time up Power
55340	3560	55484	3574.4	QPSK	1	90	1	0	23.69	24.5
				16QAM	1	90	1	0	22.65	23.5
				25QAM	1	90	1	0	18.70	19.5
				QPSK	1	90	1	0	23.84	24.5
55991	3620.1	56085	3634.5	16QAM	1	90	1	0	22.86	23.5
				25QAM	1	90	1	0	21.84	22.5
				16QAM	1	90	1	0	18.87	19.5
				QPSK	1	90	1	0	23.87	24.5
56541	3680.1	56885	3694.5	16QAM	1	90	1	0	22.86	23.5
				25QAM	1	90	1	0	22.01	22.5
				16QAM	1	90	1	0	18.96	19.5
				QPSK	1	90	1	0	23.96	24.5
Combination 10MHz+20MHz (50RB+100RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	SCC RB Size	SCC RB offset	Measured Power	Max. Time up Power
55295	3555.5	55439	3569.9	QPSK	1	40	1	0	23.74	24.5
				16QAM	1	40	1	0	22.76	23.5
				25QAM	1	40	1	0	18.70	19.5
				QPSK	1	40	1	0	23.83	24.5
55996	3615.6	56040	3630	16QAM	1	40	1	0	22.84	23.5
				25QAM	1	40	1	0	21.86	22.5
				16QAM	1	40	1	0	18.95	19.5
				QPSK	1	40	1	0	23.89	24.5
56496	3675.6	56640	3690	16QAM	1	40	1	0	22.89	23.5
				25QAM	1	40	1	0	21.92	22.5
				16QAM	1	40	1	0	18.97	19.5
				QPSK	1	40	1	0	23.97	24.5
Combination 20MHz+10MHz (100RB+50RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	SCC RB Size	SCC RB offset	Measured Power	Max. Time up Power
55340	3560	55437	3571.7	QPSK	1	90	1	0	23.77	24.5
				16QAM	1	90	1	0	22.75	23.5
				25QAM	1	90	1	0	18.73	19.5
				QPSK	1	90	1	0	23.91	24.5
55995	3622.5	56082	3634.2	16QAM	1	90	1	0	22.87	23.5
				25QAM	1	90	1	0	21.88	22.5
				16QAM	1	90	1	0	18.79	19.5
				QPSK	1	90	1	0	23.96	24.5
56590	3685	56707	3698.7	16QAM	1	90	1	0	22.85	23.5
				25QAM	1	90	1	0	21.90	22.5
				16QAM	1	90	1	0	19.00	19.5
				QPSK	1	90	1	0	23.96	24.5
Combination 5MHz+20MHz (25RB+100RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	SCC RB Size	SCC RB offset	Measured Power	Max. Time up Power
55273	3553.3	55390	3565	QPSK	1	24	1	0	23.66	24.5
				16QAM	1	24	1	0	21.77	22.5
				25QAM	1	24	1	0	18.79	19.5
				QPSK	1	24	1	0	23.92	24.5
55998	3615.9	56015	3627.5	16QAM	1	24	1	0	22.82	23.5
				25QAM	1	24	1	0	21.85	22.5
				16QAM	1	24	1	0	18.85	19.5
				QPSK	1	24	1	0	23.92	24.5
56523	3678.3	56640	3690	16QAM	1	24	1	0	22.86	23.5
				25QAM	1	24	1	0	21.95	22.5
				16QAM	1	24	1	0	18.93	19.5
				QPSK	1	24	1	0	23.92	24.5

CA 48B (An4)										
Combination 10MHz+10MHz (50RB+50RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	SCC RB Size	SCC RB offset	Measured Power	Max. Time up Power
55290	3555	55365	3564.5	QPSK	1	40	1	0	23.76	24.5
				16QAM	1	40	1	0	22.86	23.5
				25QAM	1	40	1	0	21.81	22.5
				QPSK	1	40	1	0	23.88	24.5
56041	3630.1	56140	3640	16QAM	1	40	1	0	22.79	23.5
				25QAM	1	40	1	0	21.85	22.5
				16QAM	1	40	1	0	19.86	19.5
				QPSK	1	40	1	0	23.90	24.5
56591	3655.1	56560	3665	16QAM	1	40	1	0	22.80	23.5
				25QAM	1	40	1	0	21.92	22.5
				16QAM	1	40	1	0	19.89	19.5
				QPSK	1	40	1	0	23.90	24.5

Receiver off_DS14

n48 (SCS 30 kHz) (Ant3)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	22.99	23.45	23.65	24
		1	53	23.18	23.49	23.55	24
		1	104	23.31	23.71	23.73	24
		50	0	23.24	23.46	23.60	24
		50	28	23.27	23.48	23.72	24
		50	56	23.23	23.60	23.68	24
		100	0	23.15	23.54	23.61	24
	DFT-s-OFDM QPSK	1	1	23.34	23.66	23.87	24
		1	53	23.03	23.41	23.63	24
		1	104	23.18	23.53	23.62	24
		50	0	23.19	23.49	23.71	24
		50	28	23.12	23.47	23.54	24
		50	56	23.13	23.48	23.70	24
		100	0	23.09	23.56	23.59	24
	DFT-s-OFDM 16QAM	1	53	23.08	23.38	23.59	24
	DFT-s-OFDM 64QAM	1	53	22.97	23.13	23.11	23.5
	DFT-s-OFDM 256QAM	1	53	21.59	21.83	21.97	22.5
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	23.26	23.64	23.74	24
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	23.24	23.62	23.84	24

n48 (SCS 30 kHz) (Ant6)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	22.19	22.51	22.71	23
		1	53	22.08	22.43	22.64	23
		1	104	22.20	22.62	22.60	23
		50	0	22.22	22.49	22.74	23
		50	28	22.19	22.53	22.71	23
		50	56	22.31	22.62	22.70	23
		100	0	22.18	22.55	22.73	23
	DFT-s-OFDM QPSK	1	1	22.53	22.66	22.75	23
		1	53	22.16	22.48	22.59	23
		1	104	22.25	22.56	22.55	23
		50	0	22.43	22.60	22.64	23
		50	28	22.10	22.56	22.56	23
		50	56	22.22	22.43	22.58	23
		100	0	22.21	22.43	22.46	23
	DFT-s-OFDM 16QAM	1	53	22.13	22.47	22.66	23
	DFT-s-OFDM 64QAM	1	53	21.92	22.21	22.16	22.5
	DFT-s-OFDM 256QAM	1	53	20.61	20.82	20.87	21.5
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	22.27	22.52	22.64	23
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	22.25	22.58	22.60	23

n48 (SCS 30 kHz) (Ant8)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		63800	64166	64532	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	20.32	20.63	20.77	21
		1	53	20.18	20.42	20.63	21
		1	104	20.25	20.62	20.60	21
		50	0	20.17	20.45	20.61	21
		50	28	20.20	20.53	20.63	21
		50	56	20.21	20.51	20.72	21
		100	0	20.18	20.46	20.73	21
	DFT-s-OFDM QPSK	1	1	20.35	20.71	20.78	21
		1	53	20.07	20.43	20.61	21
		1	104	20.32	20.52	20.66	21
		50	0	20.29	20.60	20.67	21
		50	28	20.16	20.52	20.60	21
		50	56	20.25	20.42	20.59	21
		100	0	20.12	20.55	20.57	21
	DFT-s-OFDM 16QAM	1	53	20.22	20.37	20.62	21
	DFT-s-OFDM 64QAM	1	53	19.96	20.11	20.22	20.5
	DFT-s-OFDM 256QAM	1	53	18.55	18.80	18.98	19.5
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	20.33	20.67	20.63	21
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	20.31	20.57	20.66	21

n77 (SCS 30 kHz) 3450~3550MHz (Ant3) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		20.07		21.5
		1	137		19.90		21.5
		1	271		20.07		21.5
		135	0		20.27		21.5
		135	69		20.08		21.5
		135	138		19.93		21.5
		270	0		19.97		21.5
	DFT-s-OFDM QPSK	1	1		20.28		21.5
		1	137		20.10		21.5
		1	271		19.95		21.5
		135	0		18.06		21.5
		135	69		20.16		21.5
		135	138		20.13		21.5
		270	0		20.11		21.5
	DFT-s-OFDM 16QAM	1	1		20.03		21.5
	DFT-s-OFDM 64QAM	1	1		19.64		20.5
	DFT-s-OFDM 256QAM	1	1		18.15		19.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	20.21	20.27	20.25	21.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	20.15	20.23	20.12	21.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	20.17	20.19	20.15	21.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3504.99	
60M	DFT-s-OFDM QPSK	1	1	20.11	20.16	20.19	21.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	20.13	20.25	20.17	21.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	20.17	20.21	20.17	21.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	20.12	20.20	20.11	21.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	20.15	20.22	20.22	21.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	20.09	20.23	20.19	21.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	20.14	20.12	20.13	21.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	20.09	20.16	20.14	21.5

n77 (SCS 30 kHz) 3700~3980MHz (Ant3) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	19.98	20.47	20.63	21.5
		1	137	19.95	20.16	20.72	21.5
		1	271	20.09	20.38	20.76	21.5
		135	0	20.08	20.16	20.51	21.5
		135	69	20.13	20.34	20.58	21.5
		135	138	20.16	20.23	20.53	21.5
		270	0	20.25	20.12	20.55	21.5
	DFT-s-OFDM QPSK	1	1	20.24	20.75	20.79	21.5
		1	137	20.08	20.60	20.41	21.5
		1	271	20.15	20.47	20.55	21.5
		135	0	20.19	20.51	20.59	21.5
		135	69	20.24	20.53	20.69	21.5
		135	138	20.16	20.64	20.53	21.5
		270	0	20.01	20.60	20.65	21.5
	DFT-s-OFDM 16QAM	1	1	20.06	20.31	20.09	21.5
	DFT-s-OFDM 64QAM	1	1	20.07	20.20	20.17	20.5
	DFT-s-OFDM 256QAM	1	1	18.83	18.29	18.24	19.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	20.23	20.70	20.65	21.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	20.09	20.72	20.78	21.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	20.10	20.73	20.72	21.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	20.22	20.60	20.76	21.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	20.11	20.67	20.68	21.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	20.20	20.67	20.75	21.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	20.09	20.70	20.72	21.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	20.21	20.74	20.71	21.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	20.18	20.61	20.67	21.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	20.16	20.67	20.73	21.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	20.21	20.67	20.69	21.5

n77 (SCS 30 kHz) 3450~3550MHz (Ant6) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		20.62		21.5
		1	137		20.52		21.5
		1	271		20.64		21.5
		135	0		20.93		21.5
		135	69		20.75		21.5
		135	138		20.66		21.5
		270	0		20.59		21.5
	DFT-s-OFDM QPSK	1	1		20.95		21.5
		1	137		20.80		21.5
		1	271		20.64		21.5
		135	0		20.71		21.5
		135	69		20.77		21.5
		135	138		20.71		21.5
		270	0		20.73		21.5
	DFT-s-OFDM 16QAM	1	1		20.62		21.5
	DFT-s-OFDM 64QAM	1	1		20.22		21
	DFT-s-OFDM 256QAM	1	1		19.00		20
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	20.91	20.95	20.87	21.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	20.89	20.88	20.82	21.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	20.82	20.87	20.84	21.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	20.89	20.88	20.82	21.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	20.85	20.84	20.86	21.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	20.82	20.87	20.84	21.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	20.89	20.88	20.82	21.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	20.86	20.91	20.85	21.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	20.82	20.85	20.76	21.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	20.86	20.91	20.85	21.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	20.82	20.85	20.76	21.5

n77 (SCS 30 kHz) 3700~3980MHz (Ant6) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	20.64	20.35	19.95	21.5
		1	137	20.60	20.13	19.73	21.5
		1	271	20.73	20.24	19.91	21.5
		135	0	20.29	20.11	20.05	21.5
		135	69	20.45	20.16	19.93	21.5
		135	138	20.33	20.08	20.05	21.5
		270	0	20.48	20.05	19.99	21.5
	DFT-s-OFDM QPSK	1	1	20.78	20.65	20.14	21.5
		1	137	20.47	20.48	19.99	21.5
		1	271	20.40	20.44	20.02	21.5
		135	0	20.49	20.50	20.01	21.5
		135	69	20.55	20.52	20.15	21.5
		135	138	20.43	20.48	19.99	21.5
		270	0	20.42	20.40	19.85	21.5
	DFT-s-OFDM 16QAM	1	1	20.08	20.10	19.98	21.5
	DFT-s-OFDM 64QAM	1	1	20.02	20.06	19.83	21
	DFT-s-OFDM 256QAM	1	1	18.13	18.31	18.72	20
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	20.69	20.63	20.06	21.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	20.77	20.55	20.06	21.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	20.77	20.58	20.13	21.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	20.76	20.56	20.06	21.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	20.63	20.55	20.03	21.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	20.63	20.62	20.06	21.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	20.67	20.57	20.10	21.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	20.70	20.51	20.06	21.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	20.69	20.51	20.12	21.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	20.65	20.60	20.13	21.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	20.72	20.58	20.01	21.5

n77 (SCS 30 kHz) 3450~3550MHz (Ant8) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		18.86		20.5
		1	137		18.75		20.5
		1	271		18.86		20.5
		135	0		19.20		20.5
		135	69		19.05		20.5
		135	138		18.88		20.5
		270	0		18.80		20.5
	DFT-s-OFDM QPSK	1	1		19.21		20.5
		1	137		19.05		20.5
		1	271		18.84		20.5
		135	0		18.99		20.5
		135	69		19.12		20.5
		135	138		18.95		20.5
		270	0		19.05		20.5
	DFT-s-OFDM 16QAM	1	1		18.91		20.5
	DFT-s-OFDM 64QAM	1	1		18.72		19.5
	DFT-s-OFDM 256QAM	1	1		17.30		18.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	19.17	19.20	19.18	20.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	19.04	19.09	19.08	20.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	19.10	19.05	19.06	20.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3504.99	
60M	DFT-s-OFDM QPSK	1	1	19.13	19.06	19.15	20.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	19.07	19.07	19.16	20.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	19.11	19.14	19.03	20.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	19.06	19.05	19.03	20.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	19.16	19.09	19.15	20.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	19.13	19.17	19.11	20.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	19.06	19.05	19.03	20.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	19.13	19.17	19.13	20.5

n77 (SCS 30 kHz) 3700~3980MHz (Ant8) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	19.99	19.65	19.35	20.5
		1	137	20.04	19.60	19.26	20.5
		1	271	20.09	19.70	19.40	20.5
		135	0	19.55	19.54	19.47	20.5
		135	69	19.73	19.57	19.49	20.5
		135	138	19.71	19.55	19.56	20.5
		270	0	19.95	19.35	19.55	20.5
	DFT-s-OFDM QPSK	1	1	20.13	20.05	19.65	20.5
		1	137	19.83	19.83	19.44	20.5
		1	271	19.66	19.91	19.31	20.5
		135	0	19.90	19.94	19.39	20.5
		135	69	19.94	19.74	19.45	20.5
		135	138	19.99	19.83	19.48	20.5
		270	0	19.88	19.84	19.44	20.5
	DFT-s-OFDM 16QAM	1	1	19.39	19.39	19.45	20.5
	DFT-s-OFDM 64QAM	1	1	19.45	19.41	19.21	19.5
	DFT-s-OFDM 256QAM	1	1	17.55	17.56	18.08	18.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	20.09	19.98	19.52	20.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	20.06	19.90	19.59	20.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	20.06	19.91	19.50	20.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	20.03	19.98	19.62	20.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	20.04	19.96	19.51	20.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	20.08	20.01	19.61	20.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	20.00	19.92	19.64	20.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	20.01	19.97	19.57	20.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	20.10	19.93	19.59	20.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	20.06	19.97	19.54	20.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	20.02	19.91	19.59	20.5

Receiver on_DSI2

Band	GSM850(ANT2)				GSM1900(ANT1)			
Channel	128	189	251	Max. Tune-up Power (dBm)	512	661	810	Max. Tune-up Power (dBm)
Frequency (MHz)	824.2	836.4	848.8		1850.2	1880	1909.8	
GSM	32.94	32.46	32.98	33.50	30.72	30.04	30.03	31.00
GPRS 1Tx Slot	32.97	32.51	33.09	33.50	30.77	30.06	30.14	31.00
GPRS 2Tx Slot	29.96	30.56	31.06	31.50	28.64	27.90	28.02	29.50
GPRS 3Tx Slot	28.71	28.47	28.99	29.50	26.67	25.81	25.97	27.00
GPRS 4Tx Slot	27.69	27.24	27.62	28.50	24.88	24.34	24.49	25.50
EDGE 1Tx Slot	27.13	27.17	27.10	28.50	26.67	26.61	26.17	27.00
EDGE 2Tx Slot	24.65	24.35	25.63	26.00	24.98	24.85	24.91	25.50
EDGE 3Tx Slot	22.57	22.31	23.53	24.00	21.77	21.75	21.79	22.50
EDGE 4Tx Slot	21.30	21.15	22.25	23.00	20.53	20.60	20.62	21.50

Band	WCDMA II(ANT1)			WCDMA II Max. Tune-up Power (dBm)	WCDMA V(ANT2)			WCDMA V Max. Tune-up Power (dBm)
TX Channel	9262	9400	9538		4132	4182	4233	
Rx Channel	9662	9800	9938	Max. Tune-up Power (dBm)	4357	4407	4458	Max. Tune-up Power (dBm)
Frequency (MHz)	1852.4	1880	1907.6		826.4	836.4	846.6	
RMC 12.2K	24.24	24.37	24.32	25.00	24.40	24.42	24.33	25.00
HSDPA Subtest-1	23.35	23.38	23.33	24.00	23.25	23.28	23.23	24.00
HSDPA Subtest-2	23.41	23.34	23.37	24.00	23.33	23.34	23.27	24.00
HSDPA Subtest-3	22.82	22.84	22.83	23.50	22.71	22.72	22.70	23.50
HSDPA Subtest-4	22.75	22.79	22.81	23.50	22.69	22.74	22.65	23.50
DC-HSDPA Subtest-1	23.30	23.29	23.18	24.00	23.24	23.24	23.11	24.00
DC-HSDPA Subtest-2	23.28	23.27	23.36	24.00	23.19	23.30	23.15	24.00
DC-HSDPA Subtest-3	22.70	22.77	22.78	23.50	22.65	22.65	22.66	23.50
DC-HSDPA Subtest-4	22.64	22.65	22.76	23.50	22.63	22.59	22.51	23.50
HSUPA Subtest-1	23.41	23.44	23.42	24.00	23.22	23.24	23.22	24.00
HSUPA Subtest-2	22.82	22.85	22.83	23.50	22.73	22.78	22.75	23.50
HSUPA Subtest-3	23.29	23.31	23.30	24.00	23.20	23.21	23.19	24.00
HSUPA Subtest-4	23.26	23.28	23.25	24.00	23.18	23.20	23.21	24.00
HSUPA Subtest-5	23.30	23.31	23.30	24.00	23.21	23.23	23.22	24.00

Receiver on DSD

BW	Modulation	LTE Band 2 (Ann1)									
		RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)				
		Channel Frequency (MHz)	1800	1800	1800	1800	Max. Throughput (Mbps)				
		Channel	1800	1800	1800	1800	Max. Throughput (Mbps)				
20M	OFDM	1	0	21.23	21.16	21.17	22.5				
		1	50	21.34	21.28	21.29	22.5				
		1	50	21.19	21.14	21.13	22.5				
		50	0	20.23	20.27	20.22	21.5				
		50	25	20.24	20.25	20.24	21.5				
		50	50	20.48	20.45	20.38	21.5				
		100	0	20.39	20.18	20.37	21.5				
		1	0	20.49	20.46	20.47	21.5				
		1	50	20.54	20.55	20.58	21.5				
		1	50	20.43	20.55	20.59	21.5				
10M	SC-FDMA	50	0	19.35	19.36	19.37	20.5				
		50	25	19.36	19.36	19.39	20.5				
		50	50	19.35	19.41	19.40	20.5				
		100	0	19.35	19.38	19.38	20.5				
		1	0	19.46	19.38	19.32	20.5				
		1	50	19.21	19.27	19.40	20.5				
		1	50	19.43	19.37	19.30	20.5				
		50	0	19.39	19.38	19.36	20.5				
		50	25	19.47	19.31	19.35	20.5				
		50	50	19.42	19.45	19.42	20.5				
5M	SC-FDMA	100	0	19.40	19.33	19.33	17.5				
		Channel Frequency (MHz)	1800	1800	1800	1800	Max. Throughput (Mbps)				
		1	0	21.14	21.16	21.13	22.5				
		1	37	21.16	21.18	21.16	22.5				
		1	74	21.05	21.11	21.09	22.5				
		38	0	20.24	20.28	20.28	21.5				
		38	19	20.29	20.22	20.26	21.5				
		38	38	20.31	20.24	20.25	21.5				
		75	0	20.34	20.29	20.29	21.5				
		75	0	20.39	20.42	20.33	21.5				
10M	SC-FDMA	1	0	20.46	20.49	20.59	21.5				
		1	37	20.48	20.49	20.58	21.5				
		1	74	20.33	20.38	20.38	21.5				
		38	0	19.26	19.12	19.00	20.5				
		38	19	19.26	19.15	19.07	20.5				
		38	38	19.25	19.17	19.26	20.5				
		75	0	19.26	19.12	19.23	20.5				
		75	0	19.35	19.22	19.23	20.5				
		1	0	19.25	19.23	19.23	20.5				
		1	37	19.33	19.17	19.28	20.5				
5M	SC-FDMA	1	0	19.35	19.28	19.18	20.5				
		1	74	19.35	19.28	19.18	20.5				
		38	0	19.26	19.21	19.23	19.5				
		38	19	19.23	19.26	19.23	19.5				
		38	38	19.24	19.27	19.20	19.5				
		75	0	19.25	19.18	19.16	17.5				
		1	0	19.31	19.21	19.22	20.5				
		1	37	19.25	19.25	19.26	20.5				
		1	74	19.31	19.30	19.32	20.5				
		38	19	19.33	19.31	19.32	20.5				
20M	OFDM	1	0	21.23	21.16	21.17	22.5				
		1	50	21.34	21.28	21.29	22.5				
		1	50	21.19	21.14	21.13	22.5				
		50	0	20.23	20.27	20.22	21.5				
		50	25	20.24	20.25	20.24	21.5				
		50	50	20.48	20.45	20.38	21.5				
		100	0	20.39	20.18	20.37	21.5				
		1	0	20.49	20.46	20.47	21.5				
		1	50	20.54	20.55	20.58	21.5				
		1	50	20.43	20.55	20.59	21.5				
5M	SC-FDMA	50	0	19.35	19.36	19.37	20.5				
		50	25	19.36	19.36	19.39	20.5				
		50	50	19.35	19.41	19.40	20.5				
		100	0	19.35	19.38	19.38	20.5				
		1	0	19.46	19.38	19.32	20.5				
		1	50	19.21	19.27	19.40	20.5				
		1	50	19.43	19.37	19.30	20.5				
		50	0	19.39	19.38	19.36	20.5				
		50	25	19.47	19.31	19.35	20.5				
		50	50	19.42	19.45	19.42	20.5				
20M	OFDM	Channel Frequency (MHz)	1800	1800	1800	1800	Max. Throughput (Mbps)				
		1	0	21.14	21.16	21.13	22.5				
		1	37	21.16	21.18	21.16	22.5				
		1	74	21.05	21.11	21.09	22.5				
		38	0	20.24	20.28	20.28	21.5				
		38	19	20.29	20.22	20.26	21.5				
		38	38	20.31	20.24	20.25	21.5				
		75	0	20.34	20.29	20.29	21.5				
		75	0	20.39	20.42	20.33	21.5				
		1	0	20.46	20.49	20.59	21.5				
10M	SC-FDMA	1	0	20.33	20.36	20.38	21.5				
		1	37	20.34	20.36	20.38	21.5				
		1	74	20.33	20.38	20.38	21.5				
		38	0	19.26	19.12	19.00	20.5				
		38	19	19.26	19.15	19.07	20.5				
		38	38	19.25	19.17	19.26	20.5				
		75	0	19.26	19.12	19.23	20.5				
		75	0	19.35	19.22	19.23	20.5				
		1	0	19.25	19.23	19.23	20.5				
		1	37	19.33	19.17	19.28	20.5				
5M	SC-FDMA	1	0	19.35	19.28	19.18	20.5				
		1	74	19.35	19.28	19.18	20.5				
		38	0	19.26	19.21	19.23	19.5				
		38	19	19.23	19.26	19.23	19.5				
		38	38	19.24	19.27	19.20	19.5				
		75	0	19.25	19.18	19.16	17.5				
		1	0	19.31	19.21	19.22	20.5				
		1	37	19.25	19.25	19.26	20.5				
		1	74	19.31	19.30	19.32	20.5				
		38	19	19.33	19.31	19.32	20.5				
20M	OFDM	Channel Frequency (MHz)	1800	1800	1800	1800	Max. Throughput (Mbps)				
		1	0	21.14	21.16	21.13	22.5				
		1	37	21.16	21.18	21.16	22.5				
		1	74	21.05	21.11	21.09	22.5				
		38	0	20.24	20.28	20.28	21.5				
		38	19	20.29	20.22	20.26	21.5				
		38	38	20.31	20.24	20.25	21.5				
		75	0	20.34	20.29	20.29	21.5				
		75	0	20.39	20.42	20.33	21.5				
		1	0	20.46	20.49	20.59	21.5				
10M	SC-FDMA	1	0	20.33	20.36	20.38	21.5				
		1	37	20.34	20.36	20.38	21.5				
		1	74	20.33	20.38	20.38	21.5				
		38	0	19.26	19.12	19.00	20.5				
		38	19	19.26	19.15	19.07	20.5				
		38	38	19.25	19.17	19.26	20.5				
		75	0	19.26	19.12	19.23	20.5				
		75	0	19.35	19.22	19.23	20.5				
		1	0	19.25	19.23	19.23	20.5				
		1	37	19.33	19.17	19.28	20.5				
5M	SC-FDMA	1	0	19.35	19.28	19.18	20.5				
		1	74	19.35	19.28	19.18	20.5				
		38	0	19.26	19.21	19.23	19.5				
		38	19	19.23	19.26	19.23	19.5				
		38	38	19.24	19.27	19.20	19.5				
		75	0	19.25	19.18	19.16	17.5				
		1	0	19.31	19.21	19.22	20.5				
		1	37	19.25	19.25	19.26	20.5				
		1	74	19.31	19.30	19.32	20.5				
		38	19	19.33	19.31	19.32	20.5				
20M	OFDM	Channel Frequency (MHz)	1800	1800	1800	1800	Max. Throughput (Mbps)				
		1	0	21.14	21.16	21.13	22.5				
		1	37	21.16	21.18	21.16	22.5				
		1	74	21.05	21.11	21.09	22.5				
		38	0	20.24	20.28	20.28	21.5				
		38	19	20.29	20.22	20.26	21.5				
		38	38	20.31	20.24	20.25	21.5				
		75	0	20.34	20.29	20.29	21.5				
		75	0	20.39	20.42	20.33	21.5				
		1	0	20.46	20.49	20.59	21.5				
10M	SC-FDMA	1	0	20.33	20.36	20.38	21.5				
		1	37	20.34	20.36	20.38	21.5				
		1	74	20.33	20.38	20.38	21.5				
		38	0	19.26	19.12	19.00	20.5				
		38	19	19.26	19.15	19.07	20.5				
		38	38	19.25	19.17	19.26	20.5				
		75	0	19.26	19.12	19.23	20.5				
		75	0	19.35	19.22	19.23	20.5				
		1	0	19.25	19.23	19.23	20.5				
		1	37	19.33	19.17	19.28	20.5				
5M	SC-FDMA	1	0	19.35	19.28	19.18	20.5				
		1	74	19.35	19.28	19.18	20.5				
		38	0	19.26	19.21	19.23	19.5				
		38	19	19.23	19.26	19.23	19.5				
		38	38	19.24	19.27	19.20	19.5				
		75	0	19.25	19.18	19.16	17.5				
		1	0	19.31	19.21	19.22	20.5				
		1	37	19.25	19.25	19.26	20.5				
		1	74	19.31	19.30	19.32	20.5				
		38	19	19.33	19.31	19.32	20.5				
20M	OFDM	Channel Frequency (MHz)	1800	1800	1800	1800	Max. Throughput (Mbps)				
		1	0	21.14	21.16	21.13	22.5				
		1	37	21.16	21.18	21.16	22.5				
		1	74	21.05	21.11	21.09	22.5				
		38	0	20.24	20.28	20.28	21.5				
		38	19	20.29	20.22	20.26	21.5				
		38	38	20.31	20.24	20.25	21.5				
		75	0	20.34	20.29	20.29	21.5				
		75	0	20.39	20.42	20.33	21.5				
		1	0	20.46	20.49	20.59	21.5				
10M	SC-FDMA	1	0	20.33	20.36	20.38	21.5				
		1	37	20.34	20.36	20.38	21.5				
		1	74	20.33	20.38	20.38	21.5				
		38	0	19.26	19.12	19.00	20.5				
		38	19	19.26	19.15	19.07	20.5				
		38	38	19.25	19.17	19.26	20.5				
		75	0	19.26	19.12	19.23	20.5				
		75	0	19.35	19.22	19.23	20.5				
		1	0	19.25	19.23	19.23	20.5				
		1	37	19.33	19.17	19.28	20.5				
5M	SC-FDMA	1	0	19.35	19.28	19.18	20.5				
		1	74	19.35	19.28	19.18	20.5				
		38	0	19.26	19.21	19.23	19.5				
		38	19	19.23	19.26	19.23	19.5				
		38	38	19.24	19.27	19.20	19.5				
		75	0	19.25</							

LTE Band 7 (Aur)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max	Turn-up	Max Turn-up (dBm)
		Channel	2010	2010	2110	2110			
20M	QPSK	Frequency (MHz)	2010	2010	2110	2110	2110	17	25.5
		1	0	15.96	16.00	15.87	17		
		1	50	15.91	15.90	15.83	17		
		1	99	15.92	15.82	15.73	17		
		50	0	14.94	14.95	14.86	16		
		50	25	14.80	14.84	14.83	16		
		50	50	14.86	14.86	14.84	16		
		100	0	14.85	14.83	14.87	16		
		50	0	15.18	15.07	14.98	16		
		1	50	15.24	15.19	14.99	16		
100M	16QAM	Frequency (MHz)	2010	2010	2110	2110	2110	15	25.5
		50	0	14.90	14.86	14.83	15		
		50	50	13.87	13.87	13.85	15		
		100	0	13.95	13.89	13.75	15		
		1	0	14.09	14.09	13.87	15		
		1	50	13.99	13.80	13.87	15		
		1	99	13.70	13.87	14.01	15		
		50	0	13.91	12.80	12.84	14		
		50	25	13.84	12.82	12.83	14		
		50	50	12.84	12.75	12.83	14		
200M	64QAM	Frequency (MHz)	2010	2010	2110	2110	2110	12	25.5
		50	0	13.04	12.80	12.74	14		
		1	50	11.04	10.88	10.83	12		
		1	99	11.07	10.90	10.93	12		
		50	0	10.98	10.91	10.92	12		
		50	25	10.89	10.87	10.87	12		
		50	50	10.99	10.90	10.82	12		
		100	0	10.99	10.91	10.91	12		
		5M	QPSK	Channel <td>2010</td> <td>2010</td> <td>2010</td> <td>Max Turn-up (dBm)</td>	2010	2010	2010	Max Turn-up (dBm)	
				Frequency (MHz)	2010	2010	2010	17	
1	0			15.63	15.69	15.86	17		
1	37			15.68	15.62	15.76	17		
36	0			14.62	14.68	14.63	16		
36	19			14.60	14.61	14.72	16		
36	36			14.71	14.76	14.79	16		
75	0			14.84	14.78	14.72	16		
1	0			16.17	15.92	15.95	16		
1	37			15.23	15.06	14.84	16		
10M	16QAM	Frequency (MHz)	2010	2010	2110	2110	2110	15	25.5
		1	74	15.68	15.62	15.68	16		
		36	0	13.88	13.86	13.75	15		
		36	36	13.88	13.86	13.86	15		
		36	58	13.76	13.80	13.79	15		
		75	0	13.81	13.74	13.81	15		
		1	37	13.94	13.77	13.79	15		
		1	74	13.81	13.83	13.93	15		
		36	0	12.98	12.97	12.98	14		
		36	19	12.98	12.74	12.73	14		
20M	64QAM	Frequency (MHz)	2010	2010	2110	2110	2110	12	25.5
		36	36	12.76	12.80	12.73	14		
		75	0	12.91	12.79	12.85	14		
		1	0	16.79	16.81	16.94	12		
		1	37	15.84	15.73	15.82	12		
		1	74	15.85	15.87	15.87	12		
		36	0	15.06	15.03	15.02	12		
		36	36	15.06	15.06	15.07	12		
		36	58	15.05	15.01	15.75	12		
		75	0	15.00	15.75	15.00	12		
5M	QPSK	Channel <td>2010</td> <td>2010</td> <td>2010</td> <td>Max Turn-up (dBm)</td>	2010	2010	2010	Max Turn-up (dBm)			
		Frequency (MHz)	2010	2010	2010	17			
		1	0	15.78	15.76	15.75	17		
		1	24	15.81	15.81	15.77	17		
		1	49	15.50	15.58	15.52	17		
		25	0	14.68	14.76	14.62	16		
		25	12	14.68	14.70	14.70	16		
		50	0	14.79	14.67	14.63	16		
		1	24	15.18	14.82	14.81	16		
		1	49	15.18	14.83	14.79	16		
10M	16QAM	Frequency (MHz)	2010	2010	2110	2110	2110	15	25.5
		1	49	14.94	14.75	14.87	16		
		25	0	13.82	13.80	13.68	15		
		25	12	13.87	13.65	13.78	15		
		25	25	13.73	13.71	13.69	15		
		50	0	13.72	13.73	13.57	15		
		1	0	13.82	13.80	13.71	15		
		1	24	13.79	13.62	13.75	15		
		50	0	13.61	13.75	13.60	15		
		50	0	12.84	12.69	12.59	14		
20M	64QAM	Frequency (MHz)	2010	2010	2110	2110	2110	12	25.5
		50	0	12.98	12.78	12.71	14		
		25	25	12.70	12.53	12.59	14		
		50	0	12.84	12.69	12.59	14		
		1	0	16.87	16.89	16.83	12		
		1	24	16.83	16.68	16.64	12		
		1	49	16.92	16.70	16.84	12		
		25	0	16.90	16.79	16.71	12		
		25	12	16.87	16.69	16.70	12		
		25	25	16.94	16.84	16.74	12		
5M	QPSK	Channel <td>2010</td> <td>2010</td> <td>2010</td> <td>Max Turn-up (dBm)</td>	2010	2010	2010	Max Turn-up (dBm)			
		Frequency (MHz)	2010	2010	2010	17			
		1	0	16.76	16.65	16.76	12		
10M	16QAM	Frequency (MHz)	2010	2010	2110	2110	2110	15	25.5
		12	0	15.70	15.68	15.62	17		
		1	24	15.45	15.40	15.49	17		
		12	0	14.68	14.64	14.54	16		
		12	6	14.57	14.57	14.55	16		
		12	13	14.62	14.60	14.71	16		
		25	0	14.76	14.62	14.57	16		
		1	0	14.09	14.07	14.85	16		
		1	24	14.84	14.75	14.80	16		
		12	0	13.78	13.65	13.58	15		
20M	64QAM	Frequency (MHz)	2010	2010	2110	2110	2110	12	25.5
		12	0	13.63	13.68	13.70	15		
		12	13	13.68	13.62	13.61	15		
		25	0	13.57	13.67	13.55	15		
		1	0	13.73	13.76	13.66	15		
		1	12	13.77	13.48	13.68	15		
		1	24	13.40	13.73	13.76	15		
		12	0	12.70	12.64	12.61	14		
		12	6	12.81	12.58	12.65	14		
		12	13	12.50	12.40	12.49	14		
5M	QPSK	Channel <td>2010</td> <td>2010</td> <td>2010</td> <td>Max Turn-up (dBm)</td>	2010	2010	2010	Max Turn-up (dBm)			
		Frequency (MHz)	2010	2010	2010	17			
		1	0	16.52	16.55	16.60	12		
		1	13	16.71	16.60	16.50	12		
		1	24	16.03	16.09	16.72	12		
		12	0	16.75	16.64	16.64	12		
		12	6	16.53	16.38	16.60	12		
		12	13	16.60	16.61	16.72	12		
		25	0	16.72	16.54	16.68	12		
		25	0	16.72	16.54	16.68	12		

LTE Band 12 (Aur)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max	Turn-up	Max Turn-up (dBm)
		Channel	2200	2200	2310	2310	2310		
20M	QPSK	Frequency (MHz)	790	790	791	791	791	17	25.5
		1	0	24.16	24.20	24.21	25.5		
		1	24	24.20	24.24	24.22	25.5		
		1	49	24.07	24.11	24.08	25.5		
		25	0	23.20	23.21	23.19	24.5		
		25	12	23.24	23.26	23.25	24.5		
		25	25	23.26	23.28	23.23	24.5		
		50	0	23.25	23.27	23.20	24.5		
		50	0	23.26	23.26	23.26	24.5		
		1	24	23.48	23.48	23.42	24.5		
10M	16QAM	Frequency (MHz)	790	790	791	791	791	15	25.5
		1	49	23.3	23.3	23.3	24.5		
		25	12	23.26	23.22	23.15	23.5		
		25	25	23.24	23.22	23.15	23.5		
		50	0	23.24	23.22	23.15	23.5		
		50	0	23.27	23.23	23.20	23.5		
		1	0	22.44	22.44	22.34	23.5		
		25	25	22.68	22.68	22.68	23.5		
		1	49	22.25	22.25	22.29	23.5		
		25	0	21.39	21.21	21.21	22.5		
5M	64QAM	Frequency (MHz)	790	790	791	791	791	11	25.5
		1	24	21.3	21.31	21.24	22.5		
		25	25	21.39	21.23	21.21	22.5		
		50	0	21.29	21.29	21.29	22.5		
		1	0	20.24	20.31	20.45	21.5		
		1	24	19.37	19.36	19.36	20.5		
		49	19.23	19.23	19.23	20.5			
		25	0	18.22	18.24	18.24	20.5		
		25	12	18.31	18.27	18.30	20.5		
		25	25	18.34	18.31	18.39	20.5		
20M	QPSK	Channel	2200	2200	2300	2300	2300	17	25.5
		Frequency (MHz)	790	790	791	791	791	17	25.5
		1	0	24.04	24.08	24.12	25.5		
		1	12	24.22	24.20	24.13	25.5		
		24	23.88	23.84	23.82	25.5			
		12	0	23.08	23.15	23.10	24.5		
		12	4	23.17	23.16	23.16	24.5		
		12	13	23.17	23.26	23.20	24.5		
		25	0	23.18	23.13	23.18	24.5		
		25	0	23.24	23.26	23.26	24.5		
10M	16QAM	Frequency (MHz)	790	790	791	791	791	15	25.5
		1	12	23.43	23.36	23.43	24.5		
		1	24	23.33	23.16	23.16	24.5		
		12	0	22.11	22.12	22.12	23.5		
		12	6	22.29	22.07	22.13	23.5		
		12	6	22.29	22.07	22.13	23.5		
		25	0	22.24	22.09	22.01	23.5		
		25	0	22.34	22.38	22.35	23.5		
		1	0	22.38	22.38	22.38	23.5		
		1	24	22.27	22.16	22.16	23.5		
5M	64QAM	Frequency (MHz)	790	790	791	791	791	11	25.5
		1	0	21.55	21.15	21.23	22.5		
		12	6	21.24	21.21	21.21	22.5		
		12	13	21.22	21.09	21.10	22.5		
		25	0	21.23	21.11	21.12	22.5		
		25	0	21.22	21.09	21.09	22.5		
		1	12	19.23	19.31	19.32	20.5		
		25	0	18.22	18.20	18.20	20.5		
		12	0	18.07	18.05	18.05	20.5		
		12	6	18.19	18.16	18.17	20.5		
20M	QPSK	Channel	2200	2200	2300	2300	2300	17	25.5
		Frequency (MHz)	790	790	791	791	791	17	25.5
		1	0	24.05	24.09	24.11	25.5		
		1	7	24.20	24.18	24.11	25.5		
		14	23.95	23.94	23.95	25.5			
		8	0	23.11	23.20	23.20	24.5		
		8	3	23.09	23.18	23.04	24.5		
		8	3	23.09	23.17	23.07	24.5		
		15	0	23.21	23.12	23.18	24.5		
		1	0	23.33	23.33	23.33	24.5		
10M	16QAM	Frequency (MHz)	790	790	791	791	791	15	25.5
		1	14	23.34	23.16	23.17	24.5		
		0	0	23.20	23.03	23.03	24.5		
		8	3	22.24	22.18	22.11	23.5		
		7	7	22.22	22.11	22.16	23.5		
		15	0	22.13	22.13	22.14	23.5		
		1	0	22.37	22.38	22.31	23.5		
		1	7	22.37	22.46	22.34	23.5		
		22	0	22.28	22.22	22.22	23.5		
		7	0	21.18	21.20	21.06	22.5		
5M	64QAM	Channel	2200	2200	2300	2300	2300	11	25.5
		Frequency (MHz)	790	790	791	791	791	11	25.5
		1	7	21.19	21.16	21.13	22.5		
		15	0	21.52	21.17	21.16	22.5		
		14	7	21.24	21.06	21.06	22.5		
		1	7	18.30	18.30	18.30	20.5		
		1	14	18.18	18.10	18.20	20.5		
		0	0	18.10	18.10	18.10	20.5		
		8	3	18.27	18.12	18.27	20.5		
		15	0	18.22	18.24	18.19	20.5		
20M	QPSK	Channel	2200	2200	2300	2300	2300	17	25.5
		Frequency (MHz)	790	790	791	791	791	17	25.5
		1	2	24.00	24.12	24.13	25.5		
		1	2	24.00	24.20	24.13	25.5		
		2	0	23.67	23.60	23.67	25.5		
		3	1	23.87	23.93	23.90	25.5		
		3	1	24.05	24.05	23.90	25.5		
		6	0	23.29	23.26	23.31	24.5		
		6	0	23.29	23.44	23.38	24.5		
		3	1	23.38	23.18	23.20	24.5		
10M	16QAM	Frequency (MHz)	790	790	791	791	791	15	25.5
		1	5	23.31	23.25	23.27	24.5		
		0	0	23.01	22.97	22.97	24.5		
		3	1	23.06	22.91	22.91	24.5		
		3	3	22.93	23.03	22.84	24.5		
		0	0	23.13	23.01	23.01	24.5		
		1	0	22.88	22.96	22.96	23.5		
		1	2	22.41	22.37	22.24	23.5		
		8	0	22.15	22.22	22.17	23.5		
		0	0	22.10	21.89	21.90	23.5		
5M	64QAM	Channel	2200	2200	2300	2300	2300	11	25.5
		Frequency (MHz)	790	790	791	791	791	11	25.5
		3	1	22.07	22.05	22.05	22.5		
		2	0	21.84	21.84	21.84	22.5		
		6	0	21.19	21.06	21.10	22.5		
		0	0	20.31	20.31	20.31	21.5		
		1	2	19.28	19.31	19.30	20.5		
		1	5	18.08	18.22	18.20	20.5		
		0	0	18.12	18.10	18.12	20.5		
		3	1	18.27	18.20	18.20	20.5		
20M	QPSK	Channel	2200	2200	2300	2300	2300	17	25.5
		Frequency (MHz)	790	790	791	791	791	17	25.5
		3	1	19.28	19.10	19.23	20.5		
		3	1	19.27	19.20	19.20	20.5		
		3	1	18.29	18.19	18.23	20.5		
		3	1	18.29	18.19	18.23	20.5		
		3	1	18.29	18.19	18.23	20.5		
		3	1	18.29	18.19	18.23	20.5		
		3	1	18.29	18.19	18.23	20.5		
		3	1	18.29	18.19	18.23	20.5		

LTE Band 40 for SAR (Ant4)										
BW	MCS Index	RB Size		RB Offset	Low	Low Mid	High Mid	High	Max. Turn-up	
		Channel	Channel	Channel	3500	3600	3660	3680	(dB)	(dB)
ZSM	CPSC	1	0	20.27	20.22	20.13	20.43	21		
		1	50	20.40	20.20	20.23	20.48	21		
		1	99	20.33	20.22	20.30	20.42	21		
		50	0	19.47	19.29	19.14	19.58	20		
		50	50	19.44	19.34	19.43	19.53	20		
	HSCM	100	0	19.39	19.28	19.37	19.51	20		
		100	50	19.36	19.26	19.35	19.46	20		
		1	50	19.28	19.21	19.07	19.35	20		
		1	99	19.38	19.18	19.26	19.47	20		
		50	50	19.31	19.25	19.24	19.38	19		
ZSM	HSCM	50	25	19.24	19.19	19.39	19.28	19		
		50	50	19.30	19.26	19.36	19.51	19		
		1	0	19.40	19.31	19.32	19.53	19		
		1	50	19.40	19.38	19.22	19.58	19		
		1	99	19.51	19.35	19.24	19.58	19		
	ZSCM	50	0	17.49	17.29	17.17	17.59	18		
		50	50	17.46	17.36	17.28	17.65	18		
		100	0	17.48	17.23	17.34	17.52	18		
		1	50	15.37	15.32	15.19	15.68	16		
		1	99	15.41	15.29	15.41	15.67	16		
ZSM	ZSCM	50	25	15.36	15.33	15.26	15.61	16		
		50	50	15.38	15.28	15.37	15.57	16		
		100	0	15.32	15.30	15.30	15.58	16		
SM	CPSC	1	0	20.40	20.11	20.15	20.46	21		
		1	74	20.31	20.12	19.88	20.30	21		
		36	0	19.43	19.14	19.43	19.48	20		
		36	19	19.31	19.20	19.38	19.46	20		
		36	36	19.42	19.23	19.27	19.49	20		
	HSCM	75	0	19.39	19.22	19.36	19.37	20		
		1	0	19.22	19.25	19.00	19.40	20		
		1	37	19.17	19.14	19.99	19.40	20		
		1	74	19.27	19.09	19.27	19.33	20		
		36	0	18.42	18.14	18.09	18.34	19		
SM	HSCM	36	36	18.40	18.30	18.40	18.50	19		
		36	36	18.48	18.19	18.35	18.59	19		
		75	0	18.22	18.12	18.32	18.41	19		
		1	37	18.28	18.31	18.20	18.44	19		
		1	74	18.46	18.27	18.10	18.51	19		
SM	ZSCM	36	0	17.38	17.16	17.15	17.47	18		
		36	19	17.32	17.38	17.30	17.38	18		
		75	0	17.38	17.15	17.24	17.39	18		
		1	0	15.19	15.04	15.09	15.36	16		
		1	74	15.20	15.20	15.38	15.59	16		
SM	ZSCM	36	0	15.35	15.20	15.22	15.46	16		
		36	36	15.46	15.30	15.34	15.54	16		
		36	36	15.41	15.20	15.23	15.53	16		
		75	0	15.40	15.22	15.19	15.54	16		
SM	CPSC	1	0	20.09	20.19	20.03	20.19	21		
		1	49	20.04	20.07	20.07	20.19	21		
		1	49	20.09	20.09	19.97	20.21	21		
		25	0	19.38	19.09	19.05	19.33	20		
		25	19	19.10	19.10	19.10	19.40	20		
SM	HSCM	25	25	19.32	19.17	19.26	19.34	20		
		50	0	19.23	19.18	19.24	19.30	20		
		1	24	19.08	19.06	18.89	19.42	20		
		1	49	19.13	19.07	19.14	19.25	20		
		25	0	18.39	18.11	17.97	18.28	19		
SM	HSCM	25	12	18.34	18.27	18.27	18.43	19		
		25	25	18.34	18.09	18.34	18.51	19		
		50	0	18.14	18.09	18.23	18.34	19		
		1	0	18.28	18.10	18.08	18.40	19		
		1	24	18.22	18.20	18.08	18.42	19		
SM	ZSCM	49	0	18.31	18.20	18.06	18.45	19		
		25	0	17.30	17.13	17.09	17.43	18		
		25	12	17.37	17.32	17.21	17.38	18		
		25	25	17.35	17.20	17.02	17.38	18		
		50	0	17.20	17.11	17.21	17.34	18		
SM	ZSCM	1	0	15.06	14.94	15.01	15.28	16		
		1	24	15.12	15.14	15.11	15.32	16		
		1	49	15.17	15.10	15.27	15.52	16		
		25	0	15.39	15.19	15.18	15.52	16		
		25	12	15.39	15.19	14.98	15.49	16		
SM	ZSCM	25	25	15.40	15.08	15.19	15.46	16		
		50	0	15.27	15.20	15.07	15.51	16		
SM	CPSC	1	0	20.05	20.18	20.00	20.17	21		
		1	12	20.38	19.91	20.01	20.25	21		
		1	24	20.16	20.08	19.94	20.19	21		
		12	0	19.39	19.05	19.07	19.31	20		
		12	6	19.09	19.04	19.18	19.25	20		
SM	HSCM	12	13	19.18	19.03	19.15	19.37	20		
		25	0	19.21	19.11	19.14	19.37	20		
		1	0	19.18	19.09	19.24	19.31	20		
		1	12	19.03	18.99	18.77	19.41	20		
		1	24	19.03	18.99	19.08	19.35	20		
SM	HSCM	12	0	18.93	18.97	17.87	18.25	19		
		12	6	18.28	18.22	18.19	18.31	19		
		12	13	18.28	17.96	18.19	18.43	19		
		25	0	17.89	18.09	18.18	18.28	19		
		1	0	18.19	17.97	18.07	18.29	19		
SM	HSCM	1	12	18.14	18.13	17.98	18.38	19		
		1	24	18.22	18.12	17.94	18.30	19		
		12	0	17.21	16.98	17.00	17.28	18		
		12	6	17.14	17.21	17.09	17.31	18		
		12	13	17.22	17.12	16.95	17.28	18		
SM	ZSCM	25	0	17.19	16.96	17.17	17.29	18		
		1	0	14.93	14.83	14.88	15.21	16		
		1	12	15.04	15.06	15.03	15.24	16		
		1	24	15.05	15.05	15.12	15.43	16		
		12	0	15.18	14.98	15.03	15.24	16		
SM	ZSCM	12	6	15.04	15.17	14.98	15.24	16		
		12	13	15.27	14.99	15.12	15.38	16		
		25	0	15.19	15.05	15.01	15.37	16		

LTE Band 40 for SAR (Ant4)											
BW	MCS Index	RB Size		RB Offset	Low	Mid	High	Max. Turn-up			
		Channel	Channel					(dB)	(dB)		
ZSM	CPSC	Frequency (MHz)	3500	3560	3680						
		1	0	20.27	20.21	20.43	21				
		1	50	20.40	20.27	20.48	21				
		1	99	20.33	20.22	20.45	21				
		50	0	19.47	19.29	19.52	20				
	HSCM	50	25	19.41	19.28	19.52	20				
		50	50	19.40	19.28	19.53	20				
		100	0	19.38	19.24	19.51	20				
		100	50	19.36	19.26	19.46	20				
		1	50	19.28	19.04	19.50	20				
IQSM	1	99	19.38	19.23	19.47	20					
	50	25	19.54	19.25	19.58	19					
	50	50	19.50	19.28	19.51	19					
	1	0	19.40	19.21	19.53	19					
	1	99	19.51	19.35	19.58	19					
ZSM	HSCM	50	0	17.48	17.29	17.55	18				
		50	25	17.41	17.27	17.47	18				
		50	50	17.48	17.29	17.52	18				
		100	0	17.48	17.20	17.52	18				
		1	0	15.37	15.22	15.60	16				
	ZSCM	1	99	15.41	15.27	15.67	16				
		50	25	15.33	15.32	15.48	16				
		50	25	15.35	15.33	15.61	16				
		50	50	15.38	15.30	15.57	16				
		100	0	15.32	15.25	15.56	16				
ZSM	CPSC	Frequency (MHz)	3500	3560	3680	3760					
		1	0	20.17	20.15	20.32	21				
		1	50	20.30	20.17	20.38	21				
		1	74	20.21	20.10	20.30	21				
		36	0	19.41	19.09	19.68	20				
	HSCM	36	10	19.33	19.16	19.68	20				
		36	39	19.42	19.17	19.49	20				
		75	0	19.35	19.18	19.37	20				
		1	92	19.03	19.03	19.03	20				
		1	37	19.17	19.02	19.05	20				
IQSM	1	74	19.27	19.18	19.33	20					
	0	18.42	17.77	18.34	19						
	36	0	18.40	18.19	18.50	19					
	36	10	18.42	18.19	18.50	19					
	75	0	18.32	18.24	18.41	19					
ZSM	1	0	16.37	16.05	16.51	19					
	1	37	16.28	16.01	16.44	19					
	1	74	16.48	16.24	16.51	19					
	36	0	17.38	17.12	17.47	18					
	36	10	17.30	17.07	17.28	18					
IQSM	36	39	17.36	17.08	17.51	18					
	75	0	15.70	15.70	15.70	18					
	1	37	15.24	15.21	15.47	18					
	1	74	15.30	15.15	15.50	18					
	36	0	15.35	15.16	15.40	18					
ZSM	36	10	15.48	15.23	15.54	18					
	36	34	15.41	15.28	15.50	18					
	75	0	15.40	15.20	15.54	18					
	ZSM	CPSC	Frequency (MHz)	3500	3560	3680	3760				
			1	0	20.09	20.10	20.19	21			
1			24	20.38	20.10	20.30	21				
1			49	20.22	20.09	20.21	21				
25			0	19.38	19.06	19.31	20				
HSCM		25	12	19.10	19.16	19.40	20				
		25	25	19.32	19.19	19.34	20				
		50	0	19.23	19.14	19.30	20				
		1	24	19.08	19.00	19.42	20				
		1	49	19.13	19.15	19.29	20				
IQSM	1	0	18.36	17.87	18.28	19					
	25	12	18.34	18.10	18.43	19					
	25	25	18.34	18.00	18.33	19					
	1	18	18.17	18.14	18.34	19					
	1	0	18.28	17.80	18.40	19					
ZSM	1	25	18.31	18.21	18.42	19					
	1	49	18.31	18.21	18.45	19					
	25	0	17.80	17.03	17.43	18					
	12	12	17.17	17.14	17.28	18					
	25	25	17.30	16.06	17.38	18					
IQSM	50	0	17.50	17.14	17.34	18					
	1	0	16.06	15.08	16.28	17					
	1	24	15.12	15.18	15.32	18					
	1	49	15.17	15.12	15.52	18					
	25	12	15.33	15.01	15.21	18					
ZSM	25	25	15.35	15.18	15.48	18					
	50	0	15.46	15.16	15.41	18					
	1	49	15.27	15.13	15.51	18					
	ZSM	CPSC	Frequency (MHz)	3500	3560	3680	3760				
			1	0	20.05	20.10	20.07	21			
1			12	20.33	20.09	20.25	21				
1			25	20.19	20.08	20.21	21				
12			0	19.33	19.02	19.31	20				
HSCM		12	8	19.08	19.08	19.25	20				
		1	12	19.18	19.05	19.32	20				
		1	24	19.03	19.14	19.19	20				
		12	12	18.37	18.03	18.34	19				
		12	8	18.26	18.03	18.33	19				
IQSM	12	13	18.28	17.97	18.28	19					
	0	17.08	16.88	17.63	18						
	1	0	18.19	17.89	18.26	19					
	1	12	18.14	17.90	18.32	19					
	24	12	18.22	18.08	18.32	19					
ZSM	12	0	17.21	17.00	17.28	18					
	12	8	17.12	17.01	17.21	18					
	12	13	17.22	16.81	17.26	18					
	0	16.57	16.17	17.32	18						
	1	43	16.58	16.01	16.71	18					
ZSM	1	12	16.04	15.15	16.24	18					
	24	12	15.09	15.07	15.24	18					
	12	0	15.18	14.97	15.24	18					
	12	8	15.28	15.09	15.34	18					
	12	13	15.27	15.01	15.37	18					
ZSM	CPSC	Frequency (MHz)	3500	3560	3680	3760					
		1	0	20.09	20.10	20.19	21				
		1	24	20.38	20.10	20.30	21				
		1	49	20.22	20.09	20.21	21				
		25	0	19.38	19.06	19.31	20				
	HSCM	25	12	19.10	19.16	19.40	20				
		25	25	19.32	19.19	19.34	20				
		50	0	19.23	19.14	19.30	20				
		1	24	19.08	19.00	19.42	20				
		1	49	19.13	19.15	19.29	20				
IQSM	1	0	18.36	17.87	18.28	19					
	25	12	18.34	18.10	18.43	19					
	25	25	18.34	18.00	18.33	19					
	1	18	18.17	18.14	18.34	19					
	1	0	18.28	17.80	18.40	19					
ZSM	1	25	18.31	18.21	18.42	19					
	1	49	18.31	18.21	18.45	19					
	25	0	17.80	17.03	17.43	18					
	12	12	17.17	17.14	17.28	18					
	25	25	17.30	16.06	17.38	18					
IQSM	50	0	17.50	17.14	17.34	18					
	1	0	16.06	15.08	16.28	17					
	1	24	15.12	15.18	15.32	18					
	1	49	15.17	15.12	15.52	18					
	25	12	15.33	15.01	15.21	18					
ZSM	25	25	15.35	15.18	15.48	18					
	50	0	15.46	15.16	15.41	18					
	1	49	15.27	15.13	15.51	18					
	ZSM	CPSC	Frequency (MHz)	3500	3560	3680	3760				
			1	0	20.09	20.10	20.19	21			
1			24	20.38	20.10	20.30	21				
1			49	20.22	20.09	20.21	21				
25			0	19.38	19.06	19.31	20				
HSCM		25	12	19.10	19.16	19.40	20				
		25	25	19.32	19.19	19.34	20				
		50	0	19.23	19.14	19.30	20				
		1	24	19.08	19.00	19.42	20				
		1	49	19.13	19.15	19.29	20				
IQSM	1	0	18.36	17.87	18.28	19					
	25	12	18.34	18.10	18.43	19					
	25	25	18.34	18.00	18.33	19					
	1	18	18.17	18.14	18.34	19					
	1	0	18.28	17.80	18.40	19					
ZSM	1	25	18.31	18.21	18.42	19					
	1	49	18.31	18.21	18.45	19					
	25	0	17.80	17.03	17.43	18					
	12	12	17.17	17.14	17.28	18					
	25	25	17.30	16.06	17.38	18					
IQSM	50	0	17.50	17.14	17.34	18					
	1	0	16.06	15.08	16.28	17					
	1	24	15.12	15.18	15.32	18					
	1	49	15.17	15.12	15.52	18					
	25	12	15.33	15.01	15.21	18					
ZSM	25	25	15.35	15.18	15.48	18					
	50	0	15.46	15.16	15.41	18					
	1	49	15.27	15.13	15.51	18					

Receiver on_DSI2

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.44	23.41	23.47	24.5
		1	53	23.36	23.37	23.41	24.5
		1	104	23.38	23.31	23.35	24.5
		50	0	23.47	23.54	23.53	24.5
		50	28	23.46	23.46	23.55	24.5
		50	56	23.60	23.48	23.53	24.5
		100	0	23.48	23.54	23.49	24.5
	DFT-s-OFDM QPSK	1	1	23.61	23.55	23.57	24.5
		1	53	23.46	23.36	23.43	24.5
		1	104	23.11	23.47	23.32	24.5
		50	0	22.98	23.01	22.93	23.5
		50	28	23.58	23.50	23.44	24.5
		50	56	23.04	22.97	22.58	23.5
		100	0	22.98	22.95	22.93	23.5
	DFT-s-OFDM 16QAM	1	1	22.93	22.93	23.19	23.5
	DFT-s-OFDM 64QAM	1	1	21.63	21.65	21.06	22.5
	DFT-s-OFDM 256QAM	1	1	18.99	19.04	19.06	20.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	23.58	23.47	23.48	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.55	23.45	23.44	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	23.57	23.41	23.55	24.5

n5 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.42	23.38	23.46	24.5
		1	53	23.48	23.51	23.45	24.5
		1	104	23.40	23.53	23.41	24.5
		50	0	23.51	23.58	23.52	24.5
		50	28	23.43	23.55	23.52	24.5
		50	56	23.50	23.53	23.56	24.5
		100	0	23.47	23.56	23.57	24.5
	DFT-s-OFDM QPSK	1	1	23.57	23.64	23.55	24.5
		1	53	23.38	23.42	23.48	24.5
		1	104	23.41	23.43	23.42	24.5
		50	0	23.52	23.58	23.50	24.5
		50	28	23.46	23.59	23.49	24.5
		50	56	23.53	23.61	23.51	24.5
		100	0	23.50	23.57	23.54	24.5
	DFT-s-OFDM 16QAM	1	1	23.32	23.43	23.39	24.5
	DFT-s-OFDM 64QAM	1	1	21.68	22.15	22.04	22.5
	DFT-s-OFDM 256QAM	1	1	19.98	19.53	19.54	20.5
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	1	1	23.49	23.62	23.53	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.50	23.55	23.44	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.43	23.51	23.52	24.5

n48 (SCS 30 kHz) (Ant4)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM P/2 BPSK	1	1	17.03	17.45	17.50	18
		1	53	17.10	17.55	17.72	18
		1	104	17.31	17.66	17.68	18
		50	0	17.25	17.54	17.58	18
		50	28	17.21	17.40	17.72	18
		50	56	17.29	17.55	17.63	18
		100	0	17.18	17.55	17.70	18
		1	1	17.35	17.73	17.79	18
	DFT-s-OFDM QPSK	1	53	17.09	17.38	17.67	18
		1	104	17.27	17.46	17.66	18
		50	0	17.29	17.63	17.75	18
		50	28	17.26	17.57	17.58	18
		50	56	17.12	17.49	17.52	18
		100	0	17.29	17.49	17.52	18
	DFT-s-OFDM 16QAM	1	53	17.18	17.41	17.52	18
	DFT-s-OFDM 64QAM	1	53	16.92	17.11	17.30	17.5
	DFT-s-OFDM 256QAM	1	53	15.76	15.77	16.01	16.5
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	17.24	17.67	17.65	18
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	17.20	17.62	17.72	18

n66 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM P/2 BPSK	1	1	23.43	23.44	23.41	24.5
		1	108	23.47	23.36	23.37	24.5
		1	214	23.42	23.29	23.24	24.5
		108	0	23.21	22.80	22.57	24
		108	54	23.01	22.88	23.51	24.5
		108	108	23.12	22.47	22.41	24
		216	0	23.09	22.50	22.50	24
		1	1	23.51	23.54	23.33	24.5
	DFT-s-OFDM QPSK	1	108	23.47	23.34	23.27	24.5
		1	214	23.39	23.31	23.18	24.5
		108	0	22.58	22.57	22.43	23.5
		108	54	23.25	23.49	23.30	24.5
		108	108	22.67	22.57	22.30	23.5
		216	0	22.51	22.56	22.35	23.5
	DFT-s-OFDM 16QAM	1	1	22.45	22.07	22.63	23.5
	DFT-s-OFDM 64QAM	1	1	21.18	20.94	20.53	22
	DFT-s-OFDM 256QAM	1	1	18.45	18.86	18.43	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.21	23.36	23.46	24.5
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	23.37	23.24	23.15	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.29	23.41	23.35	24.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	23.18	23.27	23.17	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.09	23.22	23.31	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.23	23.41	23.36	24.5

n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)	
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	DFT-s-OFDM P/2 BPSK	1	1	16.58		18	
		1	137	16.39		18	
		1	271	16.44		18	
		135	0	16.53		18	
		135	69	16.61		18	
		135	138	16.56		18	
		270	0	16.51		18	
	DFT-s-OFDM QPSK	1	1	16.66		18	
		1	137	16.49		18	
		1	271	16.49		18	
		135	0	16.55		18	
		135	69	16.56		18	
		135	138	16.58		18	
		270	0	16.54		18	
	DFT-s-OFDM 16QAM	1	1	16.57		18	
	DFT-s-OFDM 64QAM	1	1	16.33		17	
	DFT-s-OFDM 256QAM	1	1	14.67		15.5	
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	16.62	16.65	16.61	18
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	16.51	16.62	16.60	18
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	16.52	16.55	16.46	18
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	16.48	16.53	16.60	18
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	16.48	16.60	16.47	18
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	16.59	16.54	16.58	18
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	16.55	16.63	16.60	18
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	16.55	16.63	16.60	18
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	16.49	16.53	16.47	18
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	16.49	16.64	16.50	18
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	16.47	16.51	16.55	18

n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	16.81	17.37	17.48	18
		1	137	16.79	16.92	17.30	18
		1	271	16.82	17.09	17.49	18
		135	0	16.85	16.97	17.21	18
		135	69	16.93	17.10	17.40	18
		135	138	16.96	17.05	17.43	18
		270	0	16.83	17.03	17.36	18
	DFT-s-OFDM QPSK	1	1	16.98	17.53	17.57	18
		1	137	16.90	17.31	17.25	18
		1	271	16.90	17.33	17.38	18
		135	0	16.81	17.26	17.34	18
		135	69	16.80	17.20	17.36	18
		135	138	16.90	17.32	17.43	18
		270	0	16.76	17.32	17.38	18
	DFT-s-OFDM 16QAM	1	1	16.77	17.03	16.99	18
	DFT-s-OFDM 64QAM	1	1	16.82	16.79	16.90	17
	DFT-s-OFDM 256QAM	1	1	15.44	14.99	15.14	15.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	16.88	17.43	17.46	18
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3935.99	
80M	DFT-s-OFDM QPSK	1	1	16.93	17.46	17.55	18
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	16.86	17.39	17.47	18
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	16.93	17.42	17.51	18
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	16.89	17.49	17.47	18
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	16.88	17.44	17.44	18
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	16.97	17.40	17.55	18
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	16.86	17.49	17.42	18
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	16.84	17.50	17.46	18
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	16.96	17.49	17.52	18
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	16.97	17.40	17.48	18

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		19.74		21
		1	137		19.41		21
		1	271		19.54		21
		135	0		19.08		20.5
		135	69		19.57		21
		135	138		18.97		20.5
		270	0		19.07		20.5
	DFT-s-OFDM QPSK	1	1		19.78		21
		1	137		19.35		21
		1	271		19.53		21
		135	0		18.76		20
		135	69		19.54		21
		135	138		18.45		20
		270	0		18.62		20
	DFT-s-OFDM 16QAM	1	1		18.55		20
	DFT-s-OFDM 64QAM	1	1		17.03		18.5
	DFT-s-OFDM 256QAM	1	1		14.95		16.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	19.73	19.75	19.71	21
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	19.67	19.74	19.58	21
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	19.61	19.73	19.69	21
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	19.60	19.63	19.63	21
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	19.64	19.65	19.57	21
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	19.62	19.66	19.70	21
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	19.70	19.69	19.63	21
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	19.70	19.66	19.59	21
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	19.66	19.60	19.64	21
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	19.64	19.62	19.69	21
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	19.71	19.74	19.63	21

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	19.99	20.15	20.45	21
		1	137	19.83	19.92	20.31	21
		1	271	20.03	20.19	20.39	21
		135	0	19.35	19.36	19.74	20.5
		135	69	19.89	19.83	20.20	21
		135	138	19.46	19.62	19.98	20.5
		270	0	19.52	19.51	19.88	20.5
	DFT-s-OFDM QPSK	1	1	20.15	20.22	20.58	21
		1	137	19.97	20.03	20.34	21
		1	271	19.96	20.18	20.56	21
		135	0	18.99	19.08	19.25	20
		135	69	19.93	19.93	20.40	21
		135	138	18.96	19.30	19.55	20
		270	0	18.94	18.99	19.39	20
	DFT-s-OFDM 16QAM	1	1	18.84	19.06	19.03	20
	DFT-s-OFDM 64QAM	1	1	17.05	17.10	17.36	18.5
	DFT-s-OFDM 256QAM	1	1	14.75	14.87	15.10	16.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	20.02	20.17	20.43	21
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3935.99	
80M	DFT-s-OFDM QPSK	1	1	20.11	20.08	20.51	21
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	20.02	20.11	20.43	21
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	20.08	20.18	20.48	21
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	20.06	20.07	20.48	21
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	20.10	20.13	20.45	21
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	20.13	20.11	20.53	21
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	20.03	20.13	20.55	21
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	20.09	20.16	20.51	21
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	20.03	20.09	20.48	21
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	20.04	20.14	20.57	21

Receiver_on_0502

CA_56 (Ant2)									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power	Max. Turn-up Power	
					RB Size	RB offset	RB Size	RB offset	
20450	829	20549	838.9	QPSK	1	49	1	0	24.87
				16QAM	1	49	1	0	23.97
				64QAM	1	49	1	0	21.35
				256QAM	1	49	1	0	19.93
				QPSK	1	49	1	0	24.81
20476	831.6	20575	841.5	16QAM	1	49	1	0	23.02
				64QAM	1	49	1	0	21.32
				256QAM	1	49	1	0	19.99
				QPSK	1	49	1	0	24.74
				16QAM	1	49	1	0	23.91
20501	834.1	20600	844	64QAM	1	49	1	0	21.37
				256QAM	1	49	1	0	19.96
				QPSK	1	49	1	0	24.87
				16QAM	1	49	1	0	23.97
				64QAM	1	49	1	0	21.37
Combination 10MHz+5MHz (50RB+25RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power	Max. Turn-up Power	
					RB Size	RB offset	RB Size	RB offset	
20450	829	20522	836.2	QPSK	1	49	1	0	24.79
				16QAM	1	49	1	0	23.91
				64QAM	1	49	1	0	21.21
				256QAM	1	49	1	0	19.81
				QPSK	1	49	1	0	24.82
20500	834	20572	841.2	16QAM	1	49	1	0	22.98
				64QAM	1	49	1	0	21.26
				256QAM	1	49	1	0	19.90
				QPSK	1	49	1	0	24.65
				16QAM	1	49	1	0	23.85
20550	839	20622	846.2	64QAM	1	49	1	0	21.28
				256QAM	1	49	1	0	19.88
				QPSK	1	49	1	0	24.82
				16QAM	1	49	1	0	23.95
				64QAM	1	49	1	0	21.26
Combination 5MHz+10MHz (25RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power	Max. Turn-up Power	
					RB Size	RB offset	RB Size	RB offset	
20428	826.9	20500	834	QPSK	1	24	1	0	24.77
				16QAM	1	24	1	0	23.93
				64QAM	1	24	1	0	21.19
				256QAM	1	24	1	0	19.79
				QPSK	1	24	1	0	24.05
20478	831.8	20550	839	16QAM	1	24	1	0	22.94
				64QAM	1	24	1	0	21.11
				256QAM	1	24	1	0	19.89
				QPSK	1	24	1	0	24.00
				16QAM	1	24	1	0	23.79
20528	836.8	20600	844	64QAM	1	24	1	0	21.25
				256QAM	1	24	1	0	19.89
				QPSK	1	24	1	0	24.80
				16QAM	1	24	1	0	23.97
				64QAM	1	24	1	0	21.20
20595	843.5	20634	847.4	256QAM	1	24	1	0	19.74
				QPSK	1	24	1	0	24.83
				16QAM	1	24	1	0	23.97
				64QAM	1	24	1	0	21.20
				256QAM	1	24	1	0	19.74
Combination 5MHz+5MHz (25RB+15RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power	Max. Turn-up Power	
					RB Size	RB offset	RB Size	RB offset	
20425	826.5	20464	830.4	QPSK	1	24	1	0	24.83
				16QAM	1	24	1	0	23.96
				64QAM	1	24	1	0	21.20
				256QAM	1	24	1	0	19.73
				QPSK	1	24	1	0	24.80
20410	825.9	20549	838.9	16QAM	1	24	1	0	22.99
				64QAM	1	24	1	0	21.10
				256QAM	1	24	1	0	19.85
				QPSK	1	24	1	0	24.59
				16QAM	1	24	1	0	23.79
20595	843.5	20634	847.4	64QAM	1	24	1	0	21.20
				256QAM	1	24	1	0	19.74
				QPSK	1	24	1	0	24.80
				16QAM	1	24	1	0	23.97
				64QAM	1	24	1	0	21.20
Combination 3MHz+9MHz (15RB+36RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power	Max. Turn-up Power	
					RB Size	RB offset	RB Size	RB offset	
20416	825.6	20455	829.5	QPSK	1	14	1	0	24.80
				16QAM	1	14	1	0	23.89
				64QAM	1	14	1	0	21.15
				256QAM	1	14	1	0	19.87
				QPSK	1	14	1	0	24.58
20501	834.1	20540	838	16QAM	1	14	1	0	22.88
				64QAM	1	14	1	0	21.01
				256QAM	1	14	1	0	19.82
				QPSK	1	14	1	0	24.57
				16QAM	1	14	1	0	23.73
20586	842.6	20525	846.5	64QAM	1	14	1	0	21.25
				256QAM	1	14	1	0	19.86
				QPSK	1	14	1	0	24.80
				16QAM	1	14	1	0	23.95
				64QAM	1	14	1	0	21.25

CA_66B (Ant1)										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Turn-up Power		
					RB Size	RB offset	RB Size	RB offset		
132022	1715	132121	1724.9	QPSK	1	49	1	0	23.86	24.5
				16QAM	1	49	1	0	23.36	23.5
				64QAM	1	49	1	0	21.73	22.5
				256QAM	1	49	1	0	19.11	19.5
				QPSK	1	49	1	0	23.82	24.5
132373	1750.1	132472	1760	16QAM	1	49	1	0	23.25	23.5
				64QAM	1	49	1	0	21.69	22.5
				256QAM	1	49	1	0	19.94	20.5
				QPSK	1	49	1	0	23.78	24.5
				16QAM	1	49	1	0	23.21	23.5
132523	1765.1	132622	1775	64QAM	1	49	1	0	21.63	22.5
				256QAM	1	49	1	0	19.12	19.5
				QPSK	1	49	1	0	23.82	24.5
				16QAM	1	49	1	0	23.75	24.5
				64QAM	1	49	1	0	21.68	22.5
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Turn-up Power		
					RB Size	RB offset	RB Size	RB offset		
120847	1717.5	132146	1726.8	QPSK	1	74	1	0	23.75	24.5
				16QAM	1	74	1	0	23.15	23.5
				64QAM	1	74	1	0	21.58	22.5
				256QAM	1	74	1	0	19.91	20.5
				QPSK	1	74	1	0	23.71	24.5
132398	1752.6	132491	1761.9	16QAM	1	74	1	0	23.05	23.5
				64QAM	1	74	1	0	21.50	22.5
				256QAM	1	74	1	0	19.81	19.5
				QPSK	1	74	1	0	23.60	24.5
				16QAM	1	74	1	0	23.10	23.5
132549	1757.7	132642	1777	64QAM	1	74	1	0	21.44	22.5
				256QAM	1	74	1	0	19.03	19.5
				QPSK	1	74	1	0	23.82	24.5
				16QAM	1	74	1	0	23.10	23.5
				64QAM	1	74	1	0	21.45	22.5
Combination 5MHz+5MHz (25RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Turn-up Power		
					RB Size	RB offset	RB Size	RB offset		
132002	1713	132095	1722.3	QPSK	1	24	1	0	23.69	24.5
				16QAM	1	24	1	0	23.14	23.5
				64QAM	1	24	1	0	21.54	22.5
				256QAM	1	24	1	0	19.91	20.5
				QPSK	1	24	1	0	23.78	24.5
132053	1748.1	132446	1757.4	16QAM	1	24	1	0	23.02	23.5
				64QAM	1	24	1	0	21.45	22.5
				256QAM	1	24	1	0	19.74	19.5
				QPSK	1	24	1	0	23.62	24.5
				16QAM	1	24	1	0	23.10	23.5
132054	1752.2	132597	1772.5	64QAM	1	24	1	0	21.38	22.5
				256QAM	1	24	1	0	19.02	19.5
				QPSK	1	24	1	0	23.63	24.5

CA 48C (Ann4)									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power (dBm)
50340	3560	50538	3579.8	QPSK	1	99	1	0	20.47
				16QAM	1	99	1	0	19.53
				64QAM	1	99	1	0	18.57
				256QAM	1	99	1	0	15.46
50891	3615.1	50809	3634.9	QPSK	1	99	1	0	20.57
				16QAM	1	99	1	0	19.58
				64QAM	1	99	1	0	18.60
				256QAM	1	99	1	0	15.53
50442	3670.2	50440	3690	QPSK	1	99	1	0	20.64
				16QAM	1	99	1	0	19.64
				64QAM	1	99	1	0	18.63
				256QAM	1	99	1	0	15.65
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power (dBm)
50340	3560	50511	3577.1	QPSK	1	99	1	0	20.36
				16QAM	1	99	1	0	19.36
				64QAM	1	99	1	0	18.50
				256QAM	1	99	1	0	15.37
50916	3617.6	50807	3634.7	QPSK	1	99	1	0	20.39
				16QAM	1	99	1	0	19.45
				64QAM	1	99	1	0	18.57
				256QAM	1	99	1	0	15.45
50491	3675.1	50602	3692.2	QPSK	1	99	1	0	20.62
				16QAM	1	99	1	0	19.63
				64QAM	1	99	1	0	18.60
				256QAM	1	99	1	0	15.51
Combination 15MHz+20MHz (74RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power (dBm)
50319	3557.8	50489	3574.9	QPSK	1	74	1	0	20.41
				16QAM	1	74	1	0	19.43
				64QAM	1	74	1	0	18.49
				256QAM	1	74	1	0	15.39
50883	3615.3	50564	3632.4	QPSK	1	74	1	0	20.36
				16QAM	1	74	1	0	19.43
				64QAM	1	74	1	0	18.48
				256QAM	1	74	1	0	15.39
50469	3672.8	50540	3690	QPSK	1	74	1	0	20.55
				16QAM	1	74	1	0	19.62
				64QAM	1	74	1	0	18.62
				256QAM	1	74	1	0	15.52
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power (dBm)
50340	3560	50484	3574.4	QPSK	1	99	1	0	20.40
				16QAM	1	99	1	0	19.41
				64QAM	1	99	1	0	18.51
				256QAM	1	99	1	0	15.45
50941	3620.1	50686	3634.5	QPSK	1	99	1	0	20.48
				16QAM	1	99	1	0	19.50
				64QAM	1	99	1	0	18.50
				256QAM	1	99	1	0	15.47
50541	3680.1	50680	3694.5	QPSK	1	99	1	0	20.53
				16QAM	1	99	1	0	19.55
				64QAM	1	99	1	0	18.52
				256QAM	1	99	1	0	15.51
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power (dBm)
50296	3558.8	50439	3569.9	QPSK	1	49	1	0	20.24
				16QAM	1	49	1	0	19.43
				64QAM	1	49	1	0	18.43
				256QAM	1	49	1	0	15.42
50896	3615.6	50840	3630	QPSK	1	49	1	0	20.50
				16QAM	1	49	1	0	19.56
				64QAM	1	49	1	0	18.45
				256QAM	1	49	1	0	15.48
50496	3675.6	50540	3690	QPSK	1	49	1	0	20.63
				16QAM	1	49	1	0	19.60
				64QAM	1	49	1	0	18.51
				256QAM	1	49	1	0	15.49
Combination 20MHz+5MHz (100RB+25RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power (dBm)
50340	3560	50457	3571.7	QPSK	1	99	1	0	20.32
				16QAM	1	99	1	0	19.42
				64QAM	1	99	1	0	18.50
				256QAM	1	99	1	0	15.33
50965	3622.5	50682	3634.2	QPSK	1	99	1	0	20.44
				16QAM	1	99	1	0	19.54
				64QAM	1	99	1	0	18.48
				256QAM	1	99	1	0	15.45
50990	3685	50707	3695.7	QPSK	1	99	1	0	20.50
				16QAM	1	99	1	0	19.50
				64QAM	1	99	1	0	18.50
				256QAM	1	99	1	0	15.57
Combination 5MHz+20MHz (25RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power (dBm)
50273	3553.3	50390	3565	QPSK	1	24	1	0	20.43
				16QAM	1	24	1	0	19.49
				64QAM	1	24	1	0	18.52
				256QAM	1	24	1	0	15.37
50898	3615.8	50910	3627.8	QPSK	1	24	1	0	20.49
				16QAM	1	24	1	0	19.54
				64QAM	1	24	1	0	18.56
				256QAM	1	24	1	0	15.48
50523	3678.3	50540	3690	QPSK	1	24	1	0	20.58
				16QAM	1	24	1	0	19.58
				64QAM	1	24	1	0	18.57
				256QAM	1	24	1	0	15.58

CA 48B (Ann4)									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power (dBm)
50290	3555	50389	3564.9	QPSK	1	49	1	0	20.36
				16QAM	1	49	1	0	19.40
				64QAM	1	49	1	0	18.42
				256QAM	1	49	1	0	15.45
50341	3630.1	50140	3640	QPSK	1	49	1	0	20.49
				16QAM	1	49	1	0	19.48
				64QAM	1	49	1	0	18.51
				256QAM	1	49	1	0	15.49
50591	3685.1	50590	3695	QPSK	1	49	1	0	20.54
				16QAM	1	49	1	0	19.63
				64QAM	1	49	1	0	18.63
				256QAM	1	49	1	0	15.62

Receiver on_DS12

n48 (SCS 30 kHz) (Ant3)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM P/2 BPSK	1	1	22.99	23.45	23.65	24
		1	53	23.18	23.49	23.55	24
		1	104	23.31	23.71	23.73	24
		50	0	23.24	23.46	23.60	24
		50	28	23.27	23.48	23.72	24
		50	56	23.23	23.60	23.68	24
		100	0	23.15	23.54	23.61	24
	DFT-s-OFDM QPSK	1	1	23.34	23.66	23.87	24
		1	53	23.03	23.41	23.63	24
		1	104	23.18	23.53	23.62	24
		50	0	23.19	23.49	23.71	24
		50	28	23.12	23.47	23.54	24
		50	56	23.13	23.48	23.70	24
		100	0	23.09	23.56	23.59	24
	DFT-s-OFDM 16QAM	1	53	23.08	23.38	23.59	24
	DFT-s-OFDM 64QAM	1	53	22.97	23.13	23.11	23.5
	DFT-s-OFDM 256QAM	1	53	21.59	21.83	21.97	22.5
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	23.26	23.64	23.74	24
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	23.24	23.62	23.84	24

n48 (SCS 30 kHz) (Ant6)								
BW	MCS Index	RB Size		RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel			638000	641666	645332	
		Frequency (MHz)			3570	3624.99	3679.98	
40M	DFT-s-OFDM P/2 BPSK	1	1	18.23	18.64	18.74	19	
		1	53	18.12	18.50	18.76	19	
		1	104	18.20	18.64	18.69	19	
		50	0	18.26	18.49	18.84	19	
		50	28	18.24	18.58	18.82	19	
		50	56	18.40	18.65	18.81	19	
		100	0	18.19	18.66	18.82	19	
	DFT-s-OFDM QPSK	1	1	18.39	18.71	18.85	19	
		1	53	18.16	18.48	18.72	19	
		1	104	18.37	18.61	18.64	19	
		50	0	18.32	18.69	18.70	19	
		50	28	18.18	18.68	18.65	19	
		50	56	18.27	18.52	18.68	19	
		100	0	18.29	18.51	18.56	19	
	DFT-s-OFDM 16QAM	1	53	18.18	18.48	18.79	19	
	DFT-s-OFDM 64QAM	1	53	18.06	18.33	18.25	18.5	
	DFT-s-OFDM 256QAM	1	53	16.74	16.88	16.97	17.5	
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up	
		Frequency (MHz)		3560.01	3624.99	3690		
20M	DFT-s-OFDM QPSK	1	1	18.34	18.66	18.80	19	
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up	
		Frequency (MHz)		3555	3624.99	3694.98		
10M	DFT-s-OFDM QPSK	1	1	18.34	18.62	18.84	19	

n48 (SCS 30 kHz) (Ant8)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM P/V2 BPSK	1	1	20.32	20.63	20.77	21
		1	53	20.18	20.42	20.63	21
		1	104	20.25	20.62	20.60	21
		50	0	20.17	20.45	20.61	21
		50	28	20.20	20.53	20.63	21
		50	56	20.21	20.51	20.72	21
		100	0	20.18	20.46	20.73	21
		1	1	20.35	20.71	20.78	21
	DFT-s-OFDM QPSK	1	53	20.07	20.43	20.61	21
		1	104	20.32	20.52	20.66	21
		50	0	20.29	20.60	20.67	21
		50	28	20.16	20.52	20.60	21
		50	56	20.25	20.42	20.59	21
		100	0	20.12	20.55	20.57	21
	DFT-s-OFDM 16QAM	1	53	20.22	20.37	20.62	21
	DFT-s-OFDM 64QAM	1	53	19.96	20.11	20.22	20.5
	DFT-s-OFDM 256QAM	1	53	18.55	18.80	18.98	19.5
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	20.33	20.67	20.63	21
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	20.31	20.57	20.66	21

n77 (SCS 30 kHz) 3450~3550MHz (Ant3) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/V2 BPSK	1	1		21.98		23.5
		1	137		21.82		23.5
		1	271		21.93		23.5
		135	0		22.14		23.5
		135	69		21.99		23.5
		135	138		21.90		23.5
		270	0		21.94		23.5
		1	1		22.19		23.5
	DFT-s-OFDM QPSK	1	137		22.01		23.5
		1	271		21.91		23.5
		135	0		20.00		23.5
		135	69		22.03		23.5
		135	138		22.01		23.5
		270	0		22.09		23.5
	DFT-s-OFDM 16QAM	1	1		22.00		23.5
	DFT-s-OFDM 64QAM	1	1		21.62		22.5
	DFT-s-OFDM 256QAM	1	1		20.13		21.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	22.08	22.18	22.14	23.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	22.02	22.11	22.11	23.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	22.06	22.13	22.04	23.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	22.07	22.15	22.06	23.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	22.06	22.13	22.04	23.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	22.05	22.16	22.13	23.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	21.97	22.05	22.04	23.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	21.96	22.16	22.11	23.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	21.97	22.05	22.04	23.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	21.96	22.16	22.11	23.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	21.97	22.05	22.04	23.5

n77 (SCS 30 kHz) 3700–3980MHz (Ant3) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	21.94	22.45	22.56	23.5
		1	137	21.88	22.15	22.60	23.5
		1	271	22.05	22.27	22.72	23.5
		135	0	22.06	22.07	22.37	23.5
		135	69	22.01	22.23	22.50	23.5
		135	138	22.15	22.10	22.44	23.5
		270	0	22.14	22.00	22.45	23.5
	DFT-s-OFDM QPSK	1	1	22.17	22.71	22.73	23.5
		1	137	22.00	22.55	22.41	23.5
		1	271	22.02	22.47	22.46	23.5
		135	0	22.07	22.51	22.49	23.5
		135	69	22.09	22.53	22.58	23.5
		135	138	22.05	22.50	22.43	23.5
		270	0	21.91	22.50	22.54	23.5
	DFT-s-OFDM 16QAM	1	1	22.02	22.22	22.05	23.5
	DFT-s-OFDM 64QAM	1	1	21.96	22.07	22.06	22.5
	DFT-s-OFDM 256QAM	1	1	20.75	20.23	20.20	21.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	22.08	22.70	22.58	23.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	21.95	22.65	22.48	23.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	22.06	22.55	22.55	23.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	21.95	22.65	22.48	23.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	22.03	22.61	22.57	23.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	21.96	22.67	22.51	23.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	22.03	22.61	22.57	23.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	21.96	22.67	22.51	23.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	22.03	22.61	22.57	23.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	21.96	22.67	22.51	23.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	22.03	22.61	22.57	23.5

n77 (SCS 30 kHz) 3450–3550MHz (Ant6) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		16.74		17.5
		1	137		16.58		17.5
		1	271		16.70		17.5
		135	0		17.06		17.5
		135	69		16.87		17.5
		135	138		16.81		17.5
		270	0		16.76		17.5
		1	1		17.08		17.5
	DFT-s-OFDM QPSK	1	137		16.96		17.5
		1	271		16.78		17.5
		135	0		16.81		17.5
		135	69		16.93		17.5
		135	138		16.89		17.5
		270	0		16.86		17.5
		DFT-s-OFDM 16QAM	1	1	16.69		17.5
		DFT-s-OFDM 64QAM	1	1	16.34		17
		DFT-s-OFDM 256QAM	1	1	15.05		16
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	17.02	17.05	17.07	17.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	16.95	17.01	17.02	17.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	16.99	16.98	17.04	17.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	16.88	17.04	17.04	17.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	16.95	16.92	16.93	17.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	16.92	16.91	16.96	17.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	16.87	16.92	17.00	17.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	16.90	16.96	16.93	17.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	16.92	17.04	16.95	17.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	16.99	17.04	17.05	17.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	16.99	16.90	16.98	17.5

n77 (SCS 30 kHz) 3700–3980MHz (Ant6) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	16.80	16.53	16.05	17.5
		1	137	16.77	16.23	15.89	17.5
		1	271	16.81	16.28	16.07	17.5
		135	0	16.39	16.19	16.22	17.5
		135	69	16.58	16.30	16.11	17.5
		135	138	16.51	16.23	16.19	17.5
		270	0	16.58	16.15	16.17	17.5
		1	1	16.85	16.76	16.29	17.5
	DFT-s-OFDM QPSK	1	137	16.57	16.54	16.16	17.5
		1	271	16.55	16.58	16.08	17.5
		135	0	16.64	16.65	16.10	17.5
		135	69	16.68	16.67	16.33	17.5
		135	138	16.61	16.59	16.06	17.5
		270	0	16.54	16.53	16.00	17.5
		DFT-s-OFDM 16QAM	1	1	16.19	16.27	17.5
		DFT-s-OFDM 64QAM	1	1	16.10	16.15	17
		DFT-s-OFDM 256QAM	1	1	14.27	14.47	16
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	16.83	16.64	16.18	17.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	16.82	16.64	16.16	17.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	16.75	16.61	16.20	17.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	16.78	16.73	16.25	17.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	16.73	16.71	16.15	17.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	16.82	16.65	16.14	17.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	16.71	16.62	16.25	17.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	16.71	16.65	16.28	17.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	16.82	16.72	16.19	17.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	16.72	16.70	16.28	17.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	16.80	16.67	16.14	17.5

n77 (SCS 30 kHz) 3450–3550MHz (Ant8) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		18.86		20.5
		1	137		18.75		20.5
		1	271		18.86		20.5
		135	0		19.20		20.5
		135	69		19.05		20.5
		135	138		18.88		20.5
		270	0		18.80		20.5
		1	1		19.21		20.5
	DFT-s-OFDM QPSK	1	137		19.05		20.5
		1	271		18.84		20.5
		135	0		18.99		20.5
		135	69		19.12		20.5
		135	138		18.95		20.5
		270	0		19.05		20.5
		DFT-s-OFDM 16QAM	1	1		18.91	20.5
		DFT-s-OFDM 64QAM	1	1		18.72	19.5
		DFT-s-OFDM 256QAM	1	1		17.30	18.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	19.17	19.20	19.18	20.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	19.04	19.09	19.08	20.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	19.10	19.05	19.06	20.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	19.13	19.06	19.15	20.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	19.07	19.07	19.16	20.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	19.11	19.14	19.03	20.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	19.06	19.05	19.03	20.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	19.16	19.09	19.15	20.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	19.13	19.17	19.11	20.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	19.06	19.05	19.03	20.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	19.13	19.17	19.13	20.5

n77 (SCS 30 kHz) 3700~3980MHz (Ant8) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	19.99	19.65	19.35	20.5
		1	137	20.04	19.60	19.26	20.5
		1	271	20.09	19.70	19.40	20.5
		135	0	19.55	19.54	19.47	20.5
		135	69	19.73	19.57	19.49	20.5
		135	138	19.71	19.55	19.56	20.5
		270	0	19.95	19.35	19.55	20.5
		1	1	20.13	20.05	19.65	20.5
	DFT-s-OFDM QPSK	1	137	19.83	19.83	19.44	20.5
		1	271	19.66	19.91	19.31	20.5
		135	0	19.90	19.94	19.39	20.5
		135	69	19.94	19.74	19.45	20.5
		135	138	19.99	19.95	19.48	20.5
		270	0	19.88	19.84	19.44	20.5
	DFT-s-OFDM 16QAM	1	1	19.39	19.39	19.45	20.5
	DFT-s-OFDM 64QAM	1	1	19.45	19.41	19.21	19.5
	DFT-s-OFDM 256QAM	1	1	17.55	17.56	18.08	18.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	20.09	19.98	19.52	20.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	20.06	19.90	19.59	20.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	20.06	19.91	19.50	20.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	20.03	19.98	19.62	20.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	20.04	19.96	19.51	20.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	20.08	20.01	19.61	20.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	20.00	19.92	19.64	20.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	20.01	19.97	19.57	20.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	20.10	19.93	19.59	20.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	20.06	19.97	19.54	20.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	20.02	19.91	19.59	20.5

Sensor on&Hotspot_DSI3&DSI7

Band	GSM850(ANT2)				GSM1900(ANT1)			
Channel	128	189	251	Max. Tune-up Power (dBm)	512	661	810	Max. Tune-up Power (dBm)
Frequency (MHz)	824.2	836.4	848.8		1850.2	1880	1909.8	
GSM	32.94	32.46	32.98	33.50	30.72	30.04	30.03	31.00
GPRS 1Tx Slot	32.97	32.51	33.09	33.50	30.77	30.06	30.14	31.00
GPRS 2Tx Slot	29.96	30.56	31.06	31.50	28.64	27.90	28.02	29.50
GPRS 3Tx Slot	28.71	28.47	28.99	29.50	26.67	25.81	25.97	27.00
GPRS 4Tx Slot	27.69	27.24	27.62	28.50	24.88	24.34	24.49	25.50
EDGE 1Tx Slot	27.13	27.17	27.10	28.50	26.67	26.61	26.17	27.00
EDGE 2Tx Slot	24.65	24.35	25.63	26.00	24.98	24.85	24.91	25.50
EDGE 3Tx Slot	22.57	22.31	23.53	24.00	21.77	21.75	21.79	22.50
EDGE 4Tx Slot	21.30	21.15	22.25	23.00	20.53	20.60	20.62	21.50

Band	WCDMA II(ANT1)			WCDMA II Max. Tune-up Power (dBm)	WCDMA V(ANT2)			WCDMA V Max. Tune-up Power (dBm)
TX Channel	9262	9400	9538		4132	4182	4233	
Rx Channel	9662	9800	9938	Max. Tune-up Power (dBm)	4357	4407	4458	Max. Tune-up Power (dBm)
Frequency (MHz)	1852.4	1880	1907.6		826.4	836.4	846.6	
RMC 12.2K	21.15	21.37	21.24	22.00	24.40	24.42	24.33	25.00
HSDPA Subtest-1	20.33	20.34	20.24	21.00	23.25	23.28	23.23	24.00
HSDPA Subtest-2	20.45	20.31	20.30	21.00	23.33	23.34	23.27	24.00
HSDPA Subtest-3	19.80	19.78	19.87	20.50	22.71	22.72	22.70	23.50
HSDPA Subtest-4	19.70	19.72	19.84	20.50	22.69	22.74	22.65	23.50
DC-HSDPA Subtest-1	20.35	20.22	20.23	21.00	23.24	23.24	23.11	24.00
DC-HSDPA Subtest-2	20.33	20.30	20.31	21.00	23.19	23.30	23.15	24.00
DC-HSDPA Subtest-3	19.67	19.79	19.72	20.50	22.65	22.65	22.66	23.50
DC-HSDPA Subtest-4	19.68	19.63	19.69	20.50	22.63	22.59	22.51	23.50
HSUPA Subtest-1	20.44	20.43	20.37	21.00	23.22	23.24	23.22	24.00
HSUPA Subtest-2	19.80	19.87	19.78	20.50	22.73	22.78	22.75	23.50
HSUPA Subtest-3	20.31	20.33	20.25	21.00	23.20	23.21	23.19	24.00
HSUPA Subtest-4	20.22	20.21	20.23	21.00	23.18	23.20	23.21	24.00
HSUPA Subtest-5	20.23	20.30	20.25	21.00	23.21	23.23	23.22	24.00

BW	Modulation	LTE Band 4 (Aeris)										
		SB Size	Channel	Line	Mid	High	Max. Throughput (Mbps)					
		Frequency (MHz)	20000	1700	1700	20000	100	100	100	100	100	
GFSK	FSK	1	0	10.55	10.56	10.58	20.5					
		1	50	10.58	10.59	10.60	20.5					
		1	50	10.59	10.60	10.61	19.5					
		1	50	10.60	10.61	10.62	18.5					
		50	25	10.57	10.75	10.72	10.5					
16QAM	QPSK	1	50	10.73	10.75	10.77	19.5					
		1	50	10.75	10.76	10.77	18.5					
		50	25	10.71	10.76	10.74	18.5					
		50	50	10.72	10.76	10.73	18.5					
		100	0	10.74	10.78	10.77	18.5					
64QAM	QPSK	1	50	10.77	10.79	10.78	18.5					
		1	50	10.78	10.79	10.80	17.5					
		50	25	10.76	10.79	10.77	17.5					
		50	25	10.77	10.75	10.66	17.5					
		100	0	10.79	10.86	10.81	17.5					
256QAM	QPSK	1	0	14.32	14.77	14.65	15.5					
		50	50	14.48	14.50	14.49	15.5					
		1	90	14.80	14.77	14.69	15.5					
		50	0	14.53	14.88	14.64	15.5					
		50	25	14.51	14.82	14.58	15.5					
BW	Modulation	Channel	20000	1700	1700	20000	100	100	100	100	100	
		Frequency (MHz)	1700	1700	1700	1700	100	100	100	100	100	
		1	0	19.45	19.46	19.48	20.5					
		1	37	19.47	19.48	19.49	20.5					
		1	74	19.51	19.56	19.50	20.5					
GFSK	FSK	36	0	19.64	19.57	19.63	19.5					
		36	0	19.63	19.64	19.66	19.5					
		36	36	19.58	19.67	19.64	19.5					
		75	0	19.81	19.84	19.82	19.5					
		1	0	19.86	19.87	19.73	19.5					
16QAM	QPSK	1	37	19.78	19.87	19.81	19.5					
		1	74	19.75	19.80	19.75	19.5					
		36	0	19.74	19.73	19.73	19.5					
		36	19	19.70	19.57	19.60	18.5					
		75	0	19.82	19.87	19.83	18.5					
64QAM	QPSK	1	0	19.87	19.74	19.72	18.5					
		1	74	19.76	19.77	19.68	18.5					
		36	0	19.68	19.76	19.65	17.5					
		36	36	19.66	19.75	19.62	17.5					
		75	0	19.68	19.83	19.65	17.5					
256QAM	QPSK	1	37	14.32	14.89	14.49	15.5					
		1	74	14.74	14.63	14.58	15.5					
		50	2	14.52	14.60	14.53	15.5					
		1	19	14.50	14.39	14.49	15.5					
		36	39	14.48	14.57	14.43	15.5					
BW	Modulation	Channel	20000	1700	1700	20000	100	100	100	100	100	
		Frequency (MHz)	1700	1700	1700	1700	100	100	100	100	100	
		1	24	19.46	19.46	19.49	20.5					
		1	48	19.50	19.50	19.55	20.5					
		50	2	19.53	19.53	19.50	20.5					
GFSK	FSK	25	12	19.63	19.70	19.64	19.5					
		25	25	19.61	19.67	19.72	19.5					
		1	0	19.66	19.67	19.65	19.5					
		1	0	19.61	19.63	19.67	19.5					
		1	24	19.62	19.67	19.63	19.5					
16QAM	QPSK	25	0	19.76	19.71	19.67	18.5					
		25	12	19.77	19.76	19.73	18.5					
		25	12	19.75	19.73	19.72	18.5					
		25	12	19.73	19.71	19.72	18.5					
		1	48	19.67	19.76	19.63	18.5					
64QAM	QPSK	50	0	19.78	19.74	19.71	18.5					
		25	12	19.83	19.83	19.82	18.5					
		25	25	19.81	19.78	19.81	17.5					
		50	0	19.80	19.84	19.84	17.5					
		1	24	19.46	19.59	19.46	15.5					
256QAM	QPSK	25	0	14.50	14.59	14.56	15.5					
		25	0	14.50	14.59	14.56	15.5					
		25	0	14.50	14.53	14.49	15.5					
		25	12	14.48	14.53	14.45	15.5					
		1	12	14.52	14.51	14.44	15.5					
BW	Modulation	Channel	20000	1700	1700	20000	100	100	100	100	100	
		Frequency (MHz)	1700	1700	1700	1700	100	100	100	100	100	
		1	12	19.55	19.52	19.48	20.5					
		1	24	19.54	19.54	19.59	20.5					
		12	6	19.63	19.61	19.59	20.5					
GFSK	FSK	12	6	19.63	19.71	19.66	19.5					
		12	13	19.60	19.61	19.74	19.5					
		25	13	19.67	19.68	19.79	19.5					
		1	0	19.70	19.81	19.68	19.5					
		1	24	19.46	19.50	19.46	15.5					
16QAM	QPSK	12	0	17.51	17.54	17.51	18.5					
		6	7	17.60	17.56	17.58	18.5					
		12	13	17.60	17.59	17.70	18.5					
		25	0	17.62	17.62	17.66	18.5					
		6	7	17.62	17.62	17.67	18.5					
64QAM	QPSK	1	12	17.60	17.56	17.70	18.5					
		1	24	17.67	17.78	17.72	18.5					
		12	0	16.56	16.58	16.67	17.5					
		12	6	16.60	16.66	16.60	17.5					
		12	13	16.61	16.69	16.57	17.5					
256QAM	QPSK	25	0	16.58	16.68	16.59	17.5					
		1	0	14.51	14.84	14.46	15.5					
		1	12	14.60	14.62	14.60	15.5					
		24	1	14.71	14.74	14.68	15.5					
		12	0	14.38	14.62	14.51	15.5					
BW	Modulation	Channel	20000	1700	1700	20000	100	100	100	100	100	
		Frequency (MHz)	1700	1700	1700	1700	100	100	100	100	100	
		12	13	14.62	14.61	14.64	15.5					
		25	0	14.56	14.80	14.44	15.5					
		1	12	14.61	14.60	14.63	15.5					
GFSK	FSK	1	0	19.43	19.43	19.50	20.5					
		1	7	19.57	19.49	19.55	20.5					
		14	0	19.50	19.52	19.50	20.5					
		8	0	19.57	19.52	19.60	19.5					
		8	3	19.60	19.61	19.64	19.5					
16QAM	QPSK	8	3	19.60	19.60	19.66	19.5					
		15	0	19.60	19.60	19.66	19.5					
		1	0	18.95	19.02	18.78	19.5					
		7	0	19.72	19.73	19.75	19.5					
		1	14	19.72	19.69	19.82	19.5					
64QAM	QPSK	1	0	17.57	17.53	17.51	18.5					
		8	0	17.60	17.55	17.62	18.5					
		8	7	17.68	17.62	17.69	18.5					
		1	0	17.66	17.67	17.67	18.5					
		1	0	17.51	17.58	17.60	18.5					
256QAM	QPSK	1	7	17.60	17.64	17.74	18.5					
		14	7	17.79	17.71	17.79	18.5					
		8	3	16.78	16.80	16.88	17.5					
		8	3	16.73	16.88	16.86	17.5					
		15	0	16.69	16.69	16.69	17.5					
GFSK	FSK	1	0	14.48	14.69	14.60	15.5					
		1	14	14.71	14.73	14.68	15.5					
		8	0	14.41	14.67	14.53	15.5					
		8	3	14.44	14.61	14.53	15.5					
		8	7	14.56	14.67	14.49	15.5					
BW	Modulation	Channel	20000	1700	1700	20000	100	100	100	100	100	
		Frequency (MHz)	1700	1700	1700	1700	100	100	100	100	100	
		1	0	19.42	19.43	19.46	20.5					
		1	5	19.55	19.46	19.55	20.5					
		1	5	19.53	19.53	19.58	20.5					
GFSK	FSK	3	0	19.37	19.38	19.38	20.5					
		1	0	19.41	19.41	19.42	20.5					
		3	1	19.43	19.33	19.44	20.5					
		6	0	19.39	19.38	19.60	19.5					
		1	0	19.68	19.68	19.67	19.5					
16QAM	QPSK	1	2	18.83	18.87	18.87	19.5					
		1	5	18.96	19.00	19.76	19.5					
		0	8	19.37	19.38	19.39	19.5					
		3	3	19.42	19.51	19.49	19.5					
		3	3	19.40	19.41	19.41	19.5					
64QAM	QPSK	1	2	17.49	17.61	17.62	18.5					
		1	2	17.52	17.58	17.68	18.5					
		1	0	17.65	17.68	17.73	18.5					
		3	3	17.40	17.43	17.70	18.5					
		3	3	17.49	17.53	17.42	18.5					
256QAM	QPSK	6	0	16.65	16.80	16.64	17.5					
		1	0	14.50	14.59	14.56	15.5					
		1	2	14.36	14.39	14.49	15.5					
		1	5	14.73	14.70	14.61	15.5					
		0	12	14.59	14.61	14.59	15.5					
BW	Modulation	Channel	20000	1700	1700	20000	100	100	100	100	100	
		Frequency (MHz)	1700	1700	1700	1700	100	100	100	100	100	
		3	1	15.19	15.38	15.29	15.5					
		3	3	14.94	14.94	14.94	15.5					
		3	3	15.19	15.38	15.29</						

5G	Modulation	LTE Band 5 (Ant2)									
		RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)				
		Channel		20MHz	25MHz	30MHz	25MHz	30MHz	35MHz	40MHz	45MHz
10M	QPSK	1	0	24.24	24.21	24.20	25.0	25.0	25.0	25.0	25.0
		1	24	24.22	24.20	24.24	25.0	25.0	25.0	25.0	25.0
		1	49	24.17	24.14	24.11	25.0	25.0	25.0	25.0	25.0
		25	0	23.20	23.20	23.24	25.0	25.0	25.0	25.0	25.0
		25	12	23.25	23.21	23.26	25.0	25.0	25.0	25.0	25.0
	16QAM	1	0	23.26	23.26	23.26	25.0	25.0	25.0	25.0	25.0
		1	24	23.30	23.30	23.30	25.0	25.0	25.0	25.0	25.0
		1	49	23.33	23.33	23.32	25.0	25.0	25.0	25.0	25.0
		25	0	22.26	22.26	22.29	25.0	25.0	25.0	25.0	25.0
		25	12	22.30	22.27	22.29	25.0	25.0	25.0	25.0	25.0
20M	QPSK	1	0	22.44	22.25	22.20	25.0	25.0	25.0	25.0	25.0
		1	24	22.48	22.39	22.46	25.0	25.0	25.0	25.0	25.0
		1	49	22.50	22.41	22.45	25.0	25.0	25.0	25.0	25.0
		25	0	21.24	21.17	21.20	25.0	25.0	25.0	25.0	25.0
		25	12	21.28	21.30	21.28	22.5	22.5	22.5	22.5	22.5
	16QAM	1	0	21.23	21.23	21.23	25.0	25.0	25.0	25.0	25.0
		1	24	21.24	21.19	21.19	25.0	25.0	25.0	25.0	25.0
		1	0	19.35	19.28	19.42	25.0	25.0	25.0	25.0	25.0
		14	14	19.34	19.34	19.33	25.0	25.0	25.0	25.0	25.0
		1	49	19.36	19.28	19.30	25.0	25.0	25.0	25.0	25.0
30M	QPSK	1	0	19.24	19.25	19.31	25.0	25.0	25.0	25.0	25.0
		1	25	19.25	19.25	19.26	25.0	25.0	25.0	25.0	25.0
		25	0	18.28	18.28	18.34	25.0	25.0	25.0	25.0	25.0
		25	12	18.31	18.28	18.29	25.0	25.0	25.0	25.0	25.0
		25	25	18.29	18.28	18.24	25.0	25.0	25.0	25.0	25.0
	16QAM	1	0	18.13	18.13	18.15	25.0	25.0	25.0	25.0	25.0
		1	25	18.13	18.13	18.13	25.0	25.0	25.0	25.0	25.0
		25	0	16.15	16.15	16.15	25.0	25.0	25.0	25.0	25.0
		25	12	16.15	16.15	16.15	25.0	25.0	25.0	25.0	25.0
		25	25	16.15	16.15	16.15	25.0	25.0	25.0	25.0	25.0
40M	QPSK	1	0	14.1	14.13	14.23	25.0	25.0	25.0	25.0	25.0
		1	24	14.08	14.12	13.82	25.0	25.0	25.0	25.0	25.0
		12	0	23.11	23.13	23.18	24.5	24.5	24.5	24.5	24.5
		12	12	23.11	23.10	23.11	24.5	24.5	24.5	24.5	24.5
		25	0	23.22	23.24	23.27	24.5	24.5	24.5	24.5	24.5
	16QAM	1	0	23.22	23.22	23.22	24.5	24.5	24.5	24.5	24.5
		1	12	23.28	23.26	23.40	24.5	24.5	24.5	24.5	24.5
		1	24	23.32	23.30	23.46	24.5	24.5	24.5	24.5	24.5
		12	0	22.14	22.18	22.11	23.5	23.5	23.5	23.5	23.5
		12	8	22.20	22.17	22.23	23.5	23.5	23.5	23.5	23.5
50M	QPSK	1	0	22.77	22.18	22.14	23.5	23.5	23.5	23.5	23.5
		1	0	22.30	22.19	22.31	23.5	23.5	23.5	23.5	23.5
		1	24	22.28	22.23	22.27	23.5	23.5	23.5	23.5	23.5
		12	0	21.21	21.14	21.08	22.5	22.5	22.5	22.5	22.5
		12	8	21.18	21.13	21.10	22.5	22.5	22.5	22.5	22.5
	16QAM	1	0	21.13	21.13	21.13	22.5	22.5	22.5	22.5	22.5
		1	12	21.19	21.19	21.19	22.5	22.5	22.5	22.5	22.5
		1	24	21.24	21.21	21.24	22.5	22.5	22.5	22.5	22.5
		12	0	19.12	19.12	19.27	21.5	21.5	21.5	21.5	21.5
		12	8	19.16	19.16	19.16	21.5	21.5	21.5	21.5	21.5
60M	QPSK	1	0	19.12	19.12	19.27	21.5	21.5	21.5	21.5	21.5
		1	25	19.13	19.12	19.20	21.5	21.5	21.5	21.5	21.5
		25	0	17.15	17.15	17.15	21.5	21.5	21.5	21.5	21.5
		25	12	17.15	17.15	17.15	21.5	21.5	21.5	21.5	21.5
		25	25	17.15	17.15	17.15	21.5	21.5	21.5	21.5	21.5
	16QAM	1	0	17.15	17.15	17.15	21.5	21.5	21.5	21.5	21.5
		1	25	17.15	17.15	17.15	21.5	21.5	21.5	21.5	21.5
		25	0	15.18	15.18	15.18	21.5	21.5	21.5	21.5	21.5
		25	12	15.18	15.18	15.18	21.5	21.5	21.5	21.5	21.5
		25	25	15.18	15.18	15.18	21.5	21.5	21.5	21.5	21.5
80M	QPSK	1	0	14.1	14.13	14.23	25.0	25.0	25.0	25.0	25.0
		1	24	14.08	14.12	13.82	25.0	25.0	25.0	25.0	25.0
		12	0	23.11	23.13	23.18	24.5	24.5	24.5	24.5	24.5
		12	12	23.11	23.10	23.11	24.5	24.5	24.5	24.5	24.5
		25	0	23.22	23.24	23.27	24.5	24.5	24.5	24.5	24.5
	16QAM	1	0	23.22	23.22	23.22	24.5	24.5	24.5	24.5	24.5
		1	12	23.28	23.26	23.40	24.5	24.5	24.5	24.5	24.5
		1	24	23.32	23.30	23.46	24.5	24.5	24.5	24.5	24.5
		12	0	22.14	22.18	22.11	23.5	23.5	23.5	23.5	23.5
		12	8	22.20	22.17	22.23	23.5	23.5	23.5	23.5	23.5
100M	QPSK	1	0	22.77	22.18	22.14	23.5	23.5	23.5	23.5	23.5
		1	0	22.30	22.19	22.31	23.5	23.5	23.5	23.5	23.5
		1	24	22.28	22.23	22.27	23.5	23.5	23.5	23.5	23.5
		12	0	21.21	21.14	21.08	22.5	22.5	22.5	22.5	22.5
		12	8	21.18	21.13	21.10	22.5	22.5	22.5	22.5	22.5
	16QAM	1	0	21.13	21.13	21.13	22.5	22.5	22.5	22.5	22.5
		1	12	21.19	21.19	21.19	22.5	22.5	22.5	22.5	22.5
		1	24	21.24	21.21	21.24	22.5	22.5	22.5	22.5	22.5
		12	0	19.12	19.12	19.27	21.5	21.5	21.5	21.5	21.5
		12	8	19.16	19.16	19.16	21.5	21.5	21.5	21.5	21.5
140M	QPSK	1	0	19.12	19.12	19.27	21.5	21.5	21.5	21.5	21.5
		1	25	19.13	19.12	19.20	21.5	21.5	21.5	21.5	21.5
		25	0	17.15	17.15	17.15	21.5	21.5	21.5	21.5	21.5
		25	12	17.15	17.15	17.15	21.5	21.5	21.5	21.5	21.5
		25	25	17.15	17.15	17.15	21.5	21.5	21.5	21.5	21.5
	16QAM	1	0	17.15	17.15	17.15	21.5	21.5	21.5	21.5	21.5
		1	25	17.15	17.15	17.15	21.5	21.5	21.5	21.5	21.5
		25	0	15.18	15.18	15.18	21.5	21.5	21.5	21.5	21.5
		25	12	15.18	15.18	15.18	21.5	21.5	21.5	21.5	21.5
		25	25	15.18	15.18	15.18	21.5	21.5	21.5	21.5	21.5

LTE Band 7 (Aur)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max	Turnup (dBm)	Max Turnup (dBm)
		Channel	200K	200K	210K	210K			
		Frequency (MHz)	200.0	200.0	200.0	200.0			
20M	QPSK	1	0	17.60	17.63	17.67	19		
		1	50	17.60	17.60	17.61	19		
		1	99	17.55	17.55	17.64	15		
		50	0	16.74	16.77	16.65	18		
		50	50	16.62	16.73	16.64	18		
	16QAM	100	0	16.71	16.75	16.68	18		
		1	50	17.03	16.98	16.77	18		
		1	99	16.98	16.98	16.98	17		
		50	25	15.68	15.67	15.52	17		
		50	50	15.73	15.65	15.70	17		
40M	QPSK	1	0	15.90	15.81	15.88	17		
		1	50	15.94	15.70	15.69	17		
		1	99	15.95	15.59	15.62	17		
		50	0	14.92	14.87	14.70	16		
		50	50	14.86	14.87	14.70	16		
	16QAM	100	0	14.74	14.64	14.65	16		
		1	50	15.75	15.73	15.73	14		
		1	99	12.80	12.82	12.74	14		
		50	25	12.63	12.83	12.74	14		
		50	50	12.74	12.77	12.87	14		
80M	QPSK	1	0	12.81	12.62	12.61	14		
		1	50	12.75	12.73	12.73	14		
		1	99	12.80	12.62	12.64	14		
		50	25	12.62	12.73	12.67	14		
		50	50	12.69	12.77	12.74	14		
	16QAM	100	0	12.81	12.62	12.61	14		
		1	50	12.75	12.73	12.73	14		
		1	99	12.80	12.62	12.64	14		
		50	25	12.62	12.73	12.67	14		
		50	50	12.69	12.77	12.74	14		
160M	QPSK	1	0	10.77	10.72	10.72	16		
		1	74	16.70	16.60	16.49	19		
		36	0	16.70	16.70	16.70	19		
		36	19	16.60	16.70	16.60	18		
		36	39	16.51	16.71	16.61	18		
	16QAM	72	0	16.59	16.65	16.51	18		
		1	0	16.67	16.79	16.79	18		
		1	37	16.60	16.74	16.69	18		
		1	74	16.60	16.62	16.69	18		
		36	0	15.70	15.67	15.72	17		
320M	QPSK	72	0	15.67	15.63	15.61	17		
		36	19	15.64	15.58	15.64	17		
		72	0	15.77	15.52	15.58	17		
		1	0	15.76	15.78	15.65	17		
		1	37	15.68	15.59	15.65	17		
	16QAM	1	74	15.42	15.50	15.73	17		
		36	0	14.79	14.54	14.57	16		
		36	19	14.73	14.68	14.50	16		
		36	39	14.67	14.65	14.54	16		
		72	0	14.60	14.54	14.55	16		
640M	QPSK	1	0	12.73	12.71	12.72	14		
		1	0	12.76	12.62	12.62	14		
		1	37	12.68	12.68	12.69	14		
		1	74	12.77	12.59	12.60	14		
		36	0	12.72	12.49	12.60	14		
	16QAM	36	19	12.79	12.68	12.54	14		
		72	0	12.57	12.63	12.62	14		
		36	19	12.69	12.61	12.58	14		
		72	0	12.69	12.61	12.58	14		
		1	0	12.68	12.59	12.55	14		
1280M	QPSK	1	0	17.67	17.67	17.41	19		
		1	24	17.27	17.43	17.29	19		
		1	49	17.42	17.47	17.35	19		
		25	0	16.54	16.68	16.46	18		
		25	12	16.48	16.70	16.56	18		
	16QAM	50	0	16.58	16.66	16.44	18		
		1	24	16.80	16.64	16.62	18		
		1	49	16.82	16.50	16.68	18		
		25	0	15.62	15.60	15.64	17		
		25	12	15.60	15.39	15.30	17		
2560M	QPSK	25	25	15.59	15.41	15.65	17		
		1	0	15.71	15.47	15.57	17		
		1	0	15.62	15.66	15.43	17		
		1	24	15.62	15.54	15.51	17		
		50	0	15.53	15.46	15.65	17		
	16QAM	50	0	14.65	14.45	14.42	16		
		50	0	14.57	14.38	14.45	16		
		50	0	14.58	14.38	14.41	16		
		50	0	14.57	14.39	14.51	16		
		50	0	14.58	14.39	14.51	16		
5120M	QPSK	1	24	12.81	12.58	12.56	14		
		1	49	12.76	12.50	12.48	14		
		25	0	12.70	12.42	12.52	14		
		25	12	12.71	12.61	12.42	14		
		25	25	12.57	12.61	12.47	14		
	16QAM	50	0	12.56	12.52	12.50	14		
		1	12	15.50	15.32	15.37	17		
		1	24	15.32	15.36	15.37	17		
		12	0	14.52	14.44	14.38	16		
		12	6	14.65	14.40	14.38	16		
10240M	QPSK	1	0	12.58	12.67	12.59	14		
		1	13	12.68	12.53	12.56	14		
		1	24	12.62	12.38	12.43	14		
		12	6	12.80	12.30	12.41	14		
		12	13	12.62	12.58	12.45	14		
	16QAM	25	0	12.46	12.42	12.49	14		

LTE Band 12 (Aur)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max.	Turnup (dBm)	Max. Turnup (dBm)
		Channel	200K	200K	210K	210K			
		Frequency (MHz)	796.0	797.0	791.0	791.0			
20M	QPSK	1	0	24.16	24.20	24.21	25.5		
		1	24	24.20	24.24	24.22	25.5		
		1	49	24.07	24.11	24.08	25.5		
		25	0	23.20	23.21	23.19	24.5		
		25	25	23.24	23.28	23.23	24.5		
	16QAM	50	0	23.25	23.27	23.20	24.5		
		1	24	23.46	23.48	23.42	24.5		
		1	49	23.37	23.31	23.31	24.5		
		25	0	22.27	22.22	22.20	23.5		
		25	25	22.24	22.26	22.19	23.5		
40M	QPSK	1	0	22.44	22.44	22.34	23.5		
		1	24	22.46	22.41	22.35	23.5		
		1	49	22.29	22.29	22.29	23.5		
		25	0	21.20	21.21	21.20	22.5		
		25	25	21.29	21.23	21.21	22.5		
	16QAM	50	0	21.25	21.18	21.28	22.5		
		1	24	19.37	19.36	19.39	20.5		
		1	49	19.23	19.34	19.33	20.5		
		25	0	19.22	19.24	19.24	20.5		
		25	12	19.33	19.27	19.30	20.5		
80M	QPSK	25	25	19.34	19.29	19.32	20.5		
		50	0	19.32	19.31	19.31	20.5		
		1	24	19.37	19.36	19.39	20.5		
		1	49	19.23	19.34	19.33	20.5		
		25	12	19.33	19.27	19.30	20.5		
	16QAM	25	25	19.34	19.29	19.32	20.5		
		50	0	19.32	19.30	19.31	20.5		
		1	24	19.37	19.36	19.39	20.5		
		1	49	19.23	19.34	19.33	20.5		
		25	12	19.33	19.27	19.30	20.5		
160M	QPSK	1	12	24.22	24.20	24.13	25.5		
		1	24	23.98	24.04	24.02	25.5		
		1	49	23.98	23.98	23.98	25.5		
		12	6	23.12	23.23	23.03	24.5		
		12	13	23.17	23.28	23.20	24.5		
	16QAM	25	0	23.14	23.13	23.16	24.5		
		1	0	23.34	23.32	23.40	24.5		
		1	12	23.41	23.38	23.43	24.5		
		1	24	23.33	23.16	23.16	24.5		
		12	0	22.11	22.28	22.14	23.5		
320M	QPSK	12	6	23.28	23.19	23.16	24.5		
		12	13	23.27	23.38	23.29	24.5		
		1	12	23.32	23.31	23.32	24.5		
		1	24	23.22	23.22	23.22	24.5		
		1	49	23.17	23.17	23.17	24.5		
	16QAM	25	0	23.20	23.20	23.20	24.5		
		1	14	23.34	23.16	23.17	24.5		
		1	0	23.20	23.20	23.20	24.5		
		8	3	22.24	22.18	22.11	23.5		
		8	3	22.24	22.11	22.16	23.5		
640M	QPSK	15	0	22.13	22.13	22.13	23.5		
		1	0	22.37	22.38	22.37	23.5		
		1	7	22.27	22.46	22.34	23.5		
		1	22	22.26	22.46	22.37	23.5		
		8	7	21.18	21.20	21.20	22.5		
	16QAM	15	0	21.24	21.12	21.12	22.5		
		8	7	21.19	21.16	21.13	22.5		
		15	0	21.52	21.37	21.36	22.5		
		1	24	19.24	19.26	19.26	20.5		
		1	7	18.30	18.30	18.30	20.5		
1280M	QPSK	1	14	18.18	18.10	18.20	20.5		
		1	0	18.10	18.10	18.10	20.5		
		8	3	18.27	18.12	18.27	20.5		
		15	0	18.27	18.27	18.27	20.5		
		15	0	18.27	18.24	18.19	20.5		
	16QAM	1	0	18.27	18.24	18.19	20.5		
		1	7	18.27	18.24	18.19	20.5		
		1	14	18.27	18.24	18.19	20.5		
		1	0	18.27	18.24	18.19	20.5		
		1	7	18.27	18.24	18.19	20.5		
2560M	QPSK	3	1	20.87	20.90	20.90	25.5		
		3	1	20.45	20.45	20.39	25.5		
		6	0	23.29	23.28	23.31	24.5		
		6	0	23.29	23.44	23.39	24.5		
		3	3	23.38	23.18	23.20	24.5		
	16QAM	1	5	23.31	23.25	23.27	24.5		
		3	0	23.01	22.97	23.00	24.5		
		3	1	23.06	22.91	22.92	24.5		
		3	3	22.93	23.03	23.04	24.5		
		6	0	23.13	23.05	23.08	24.5		
5120M	QPSK	1	0	22.88	22.96	22.96	23.5		
		1	2	22.41	22.37	22.24	23.5		
		2	0	22.15	22.15	22.15	23.5		
		2	0	22.10	21.89	21.89	23.5		
		3	1	22.07	21.93	21.93	23.5		
	16QAM	3	1	22.04	21.83	21.83	23.5		
		6	0	21.59	21.50	21.50	22.5		
		6	0	21.51	21.51	21.51	22.5		
		3	1	19.28	19.10	19.22	20.5		
		3	1	19.27	19.20	19.20	20.5		
10240M	QPSK	3	3	18.29	18.10	18.22	20.5		
		3	1	18.28	18.10	18.22	20.5		
		3	1	18.27	18.20	18.20	20.5		
		3	3	18.29	18.10	18.22	20.5		
		3	1	18.28	18.10	18.22	20.5		
	16QAM	3	3	18.29	18.10	18.22	20.5		
		3	1	18.28	18.10	18.22	20.5		
		3	1	18.27	18.20	18.20	20.5		
		3	3	18.29	18.10	18.22	20.5		
		3	1	18.28	18.10	18.22	20.5		

LTE Band 40 for SAR (Ant4)										
BW	MCS Index	RB Size	RB Offset	Low	Low Mid	High Mid	High	Max. Turn-up (dB)		
		Channel	5244	5244	5244	5244	5244			
		Frequency (MHz)	2880	2880	2880	2880	2880			
20M	QPSK	1	0	18.83	18.82	18.86	18.89	20	18.82	20.5
		1	50	18.92	18.86	18.81	18.86	20	18.92	20.5
		1	99	18.99	18.89	18.79	18.87	20	18.99	20.5
		50	0	18.01	17.91	17.82	18.01	19	18.01	19.5
		50	50	18.06	17.96	17.86	18.06	19	18.06	19.5
		50	100	18.06	17.96	17.86	18.06	19	18.06	19.5
		100	0	17.08	17.04	17.08	18.15	19	17.08	18.5
		100	50	17.08	17.04	17.08	18.15	19	17.08	18.5
		100	100	17.08	17.04	17.08	18.15	19	17.08	18.5
		1	99	17.94	17.87	17.79	17.94	19	17.94	19.5
20M	16QAM	1	0	17.08	16.97	16.94	17.08	19	17.08	19.5
		1	99	17.94	17.87	17.79	17.94	19	17.94	19.5
		50	25	17.01	16.98	16.95	17.08	18	17.01	18.5
		50	50	17.04	16.91	16.96	17.24	18	17.04	18.5
		100	0	17.01	16.98	16.95	17.08	18	17.01	18.5
		100	50	17.04	16.91	16.96	17.24	18	17.04	18.5
		1	0	17.04	16.98	16.94	17.09	18	17.04	18.5
		1	50	16.99	16.90	16.91	17.14	18	16.99	18.5
		1	99	17.04	16.95	16.92	17.11	18	17.04	18.5
		50	0	16.96	16.94	16.92	16.95	17	16.96	17.5
20M	64QAM	1	0	16.94	16.86	16.86	16.94	17	16.94	17.5
		1	50	16.99	16.90	16.91	17.14	18	16.99	18.5
		1	99	17.04	16.95	16.92	17.11	18	17.04	18.5
		50	0	16.96	16.94	16.92	16.95	17	16.96	17.5
		50	50	16.94	16.86	16.86	16.94	17	16.94	17.5
		100	0	16.96	16.86	16.86	16.96	17	16.96	17.5
		100	50	16.94	16.86	16.86	16.94	17	16.94	17.5
		1	50	14.03	13.98	13.92	14.10	15	14.03	15.5
		1	99	13.91	13.86	14.03	14.15	15	13.91	15.5
		50	25	14.12	13.99	13.73	14.18	15	14.12	15.5
20M	256QAM	50	50	14.02	13.85	14.02	14.12	15	14.02	15.5
		100	0	13.92	13.94	14.09	14.10	15	13.92	15.5
20M	MCS Index	Channel	5244	5244	5244	5244	5244	Max. Turn-up (dB)		
		Frequency (MHz)	2880	2880	2880	2880	2880			
		1	0	18.82	18.79	18.82	18.82	20	18.82	20.5
		1	37	18.90	18.78	18.66	18.92	20	18.90	20.5
		1	74	18.88	18.64	18.28	18.85	20	18.88	20.5
		36	0	17.86	17.81	17.74	17.86	19	17.86	19.5
		36	19	17.84	17.69	17.65	18.07	19	17.84	19.5
		36	39	18.02	17.85	17.59	18.05	19	18.02	19.5
		75	0	17.83	17.81	17.83	18.03	19	17.83	19.5
		1	0	17.82	17.74	17.66	17.89	19	17.82	19.5
100M	16QAM	1	37	17.76	17.70	17.60	17.99	19	17.76	19.5
		1	74	17.74	17.74	17.79	17.99	19	17.74	19.5
		36	0	16.95	16.85	16.71	17.08	18	16.95	18.5
		36	19	16.94	16.86	16.86	17.04	18	16.94	18.5
		36	39	16.96	16.88	16.82	17.13	18	16.96	18.5
		75	0	16.99	16.83	16.72	17.01	18	16.99	18.5
		1	37	16.97	16.83	16.67	17.09	18	16.97	18.5
		1	74	16.94	16.83	16.73	17.05	18	16.94	18.5
		36	0	16.93	16.83	16.63	16.97	18	16.93	18.5
		36	19	16.95	16.78	16.14	17	16.95	18.5	
100M	64QAM	36	39	16.93	16.77	16.84	16.13	17	16.93	18.5
		75	0	15.95	15.79	15.81	16.01	17	15.95	17.5
		1	0	15.78	15.76	15.76	16.03	15	15.78	16.5
		1	37	15.81	15.77	15.67	16.07	15	15.81	16.5
		1	74	15.85	15.79	15.92	16.07	15	15.85	16.5
		36	0	14.01	13.74	13.78	14.05	15	14.01	15.5
		36	19	14.05	13.86	13.66	14.01	15	14.05	15.5
		36	39	13.92	13.72	13.91	14.10	15	13.92	15.5
		75	0	14.00	13.75	13.93	13.99	15	14.00	15.5
		1	37	13.98	13.75	13.82	14.05	15	13.98	15.5
100M	256QAM	Channel	5244	5244	5244	5244	5244	Max. Turn-up (dB)		
		Frequency (MHz)	2880	2880	2880	2880	2880			
		1	0	18.87	18.79	18.53	18.85	20	18.87	20.5
		1	37	18.87	18.71	18.17	18.87	20	18.87	20.5
		1	49	18.83	18.62	18.20	18.83	20	18.83	20.5
		25	0	17.77	17.76	17.62	17.85	19	17.77	19.5
		25	25	17.76	17.62	17.51	17.82	19	17.76	19.5
		25	25	17.60	17.71	17.91	17.97	19	17.60	19.5
		50	0	17.78	17.71	17.71	17.85	19	17.78	19.5
		1	24	17.64	17.67	17.64	17.84	19	17.64	19.5
100M	16QAM	1	49	17.80	17.60	17.68	17.88	19	17.80	19.5
		25	0	16.88	16.70	16.68	17.04	18	16.88	18.5
		25	12	16.84	16.89	16.82	16.88	18	16.84	18.5
		25	25	16.83	16.86	16.70	17.03	18	16.83	18.5
		50	0	16.89	16.79	16.70	16.88	18	16.89	18.5
		1	0	16.84	16.84	16.68	16.99	18	16.84	18.5
		1	24	16.83	16.86	16.67	17.05	18	16.83	18.5
		1	49	16.86	16.75	16.59	16.95	18	16.86	18.5
		25	0	15.95	15.75	15.62	15.94	17	15.95	17.5
		25	12	15.91	15.86	15.80	16.05	17	15.91	17.5
100M	64QAM	25	25	15.88	15.73	15.80	16.04	17	15.88	17.5
		50	0	15.92	15.77	15.75	15.92	17	15.92	17.5
		1	0	15.71	15.68	15.67	15.98	15	15.71	16.5
		1	24	15.84	15.68	15.57	15.87	15	15.84	16.5
		1	49	15.70	15.67	15.63	15.90	15	15.70	16.5
		25	0	15.96	15.80	15.70	15.91	15	15.96	16.5
		25	12	14.91	13.89	13.55	14.02	15	14.91	15.5
		25	25	13.91	13.98	13.88	14.03	15	13.91	15.5
		50	0	13.98	13.75	13.81	13.95	15	13.98	15.5
		1	24	13.84	13.68	13.57	13.87	15	13.84	15.5
200M	256QAM	1	49	13.70	13.67	13.63	14.00	15	13.70	15.5
		25	0	13.89	13.80	13.70	13.91	15	13.89	15.5
		25	12	14.01	13.89	13.55	14.02	15	14.01	15.5
		25	25	13.91	13.98	13.88	14.03	15	13.91	15.5
		50	0	13.98	13.75	13.81	13.95	15	13.98	15.5
200M	MCS Index	Channel	5244	5244	5244	5244	5244	Max. Turn-up (dB)		
		Frequency (MHz)	2880	2880	2880	2880	2880			
		1	0	18.82	18.58	18.53	18.85	20	18.82	20.5
		1	24	18.74	18.54	18.12	18.77	20	18.74	20.5
		12	0	17.63	17.70	17.50	17.75	19	17.63	19.5
		12	6	17.73	17.65	17.80	17.98	19	17.73	19.5
		12	13	17.88	17.65	17.88	17.90	19	17.88	19.5
		25	0	17.65	17.58	17.68	17.90	19	17.65	19.5
		1	0	17.70	17.53	17.32	17.70	19	17.70	19.5
		1	24	17.76	17.57	17.60	17.65	19	17.76	19.5
100M	16QAM	12	0	16.83	16.57	16.44	16.91	18	16.83	18.5
		12	6	16.77	16.76	16.68	16.82	18	16.77	18.5
		12	13	16.72	16.44	16.66	17.02	18	16.72	18.5
		25	0	16.93	16.80	16.64	16.77	18	16.93	18.5
		1	0	16.93	16.71	16.66	16.87	18	16.93	18.5
		1	12	16.72	16.54	16.54	17.05	18	16.72	18.5
		1	24	16.83	16.67	16.57	16.95	18	16.83	18.5
		12	0	16.94	16.87	16.77	16.94	18	16.94	18.5
100M	64QAM	12	0	16.96	16.86	16.86	16.96	18	16.96	18.5
		12	6	16.97	16.76	16.68	16.82	18	16.97	18.5
		12	13	16.72	16.44	16.66	17.02	18	16.72	18.5
		25	0	16.93	16.80	16.64	16.77	18	16.93	18.5
		1	0	16.93	16.71	16.66	16.87	18	16.93	18.5
		1	12	16.72	16.54	16.54	17.05	18	16.72	18.5
		1	24	16.83	16.67	16.57	16.95	18	16.83	18.5
		12	0	16.94	16.87	16.77	16.94	18	16.94	18.5
100M	256QAM	12	0	15.97	15.74	15.67	15.94	17	15.97	17.5
		12	6	15.98	15.76	15.68	15.82	17	15.98	17.5
		12	13	15.77	15.68	15.68	15.98	15	15.77	16.5
		25	0	15.96	15.80	15.70	15.91	15	15.96	16.5
		1	0	15.96	15.74	15.64	15.94	15	15.96	16.5
		1	12	15.77	15.68	15.68	15.98	15	15.77	16.5
		1	24	15.81	15.69	15.71	15.95	15	15.81	16.5
		1	24	15.79	15.68	15.68	15.95	15	15.79	16.5
100M	MCS Index	Channel	5244	5244	5244	5244	5244	Max. Turn-up (dB)		
		Frequency (MHz)	2880	2880	2880	2880	2880			
		1	0	18.82	18.58	18.53	18.85	20	18.82	20.5
		1	24	18.74	18.54	18.12	18.77	20	18.74	20.5
		12	0	17.63	17.70	17.50	17.75	19	17.63	19.5
		12	6	17.73	17.65	17.80	17.98	19	17.73	19.5
		12	13	17.88	17.65	17.88	17.90	19	17.88	19.5
		25	0	17.65	17.58	17.68	17.90	19	17.65	19.5
1	0	17.70	17.53	17.32	17.70	19	17.70	19.5		
1	24	17.76	17.57	17.60	17.65	19	17.76	19.5		
100M	16QAM	12	0	16.83	16.57	16.44	16.91	18	16.83	18.5
		12	6	16.77	16.76	16.68	16.82			

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	20.66	20.63	20.57	21.5
		1	53	20.58	20.57	20.53	21.5
		1	104	20.59	20.47	20.44	21.5
		50	0	20.59	20.75	20.67	21.5
		50	28	20.59	20.69	20.67	21.5
		50	56	20.77	20.60	20.70	21.5
		100	0	20.67	20.63	20.61	21.5
		DFT-s-OFDM QPSK	1	1	20.83	20.71	20.72
	1		53	20.65	20.57	20.56	21.5
	1		104	20.31	20.65	20.41	21.5
	50		0	20.09	20.13	20.09	20.5
	50		28	20.80	20.63	20.60	21.5
	50		56	20.26	20.07	19.78	20.5
	100		0	20.18	20.09	20.15	20.5
	DFT-s-OFDM 16QAM		1	1	20.05	20.12	20.40
	DFT-s-OFDM 64QAM	1	1	18.77	18.78	18.25	19.5
	DFT-s-OFDM 256QAM	1	1	16.15	16.27	16.15	17.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
Frequency (MHz)		1857.5	1880	1902.5			
15M	DFT-s-OFDM QPSK	1	1	20.70	20.61	20.63	21.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
Frequency (MHz)		1855	1880	1905			
10M	DFT-s-OFDM QPSK	1	1	20.73	20.56	20.66	21.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
Frequency (MHz)		1852.5	1880	1907.5			
5M	DFT-s-OFDM QPSK	1	1	20.79	20.60	20.56	21.5

n5 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.42	23.38	23.46	24.5
		1	53	23.48	23.51	23.45	24.5
		1	104	23.40	23.53	23.41	24.5
		50	0	23.51	23.58	23.52	24.5
		50	28	23.43	23.55	23.52	24.5
		50	56	23.50	23.53	23.56	24.5
		100	0	23.47	23.56	23.57	24.5
	DFT-s-OFDM QPSK	1	1	23.57	23.64	23.55	24.5
		1	53	23.38	23.42	23.48	24.5
		1	104	23.41	23.43	23.42	24.5
		50	0	23.52	23.58	23.50	24.5
		50	28	23.46	23.59	23.49	24.5
		50	56	23.53	23.61	23.51	24.5
		100	0	23.50	23.57	23.54	24.5
	DFT-s-OFDM 16QAM	1	1	23.32	23.43	23.39	24.5
	DFT-s-OFDM 64QAM	1	1	21.68	22.15	22.04	22.5
	DFT-s-OFDM 256QAM	1	1	19.98	19.53	19.54	20.5
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
Frequency (MHz)		831.5	836.5	841.5			
15M	DFT-s-OFDM QPSK	1	1	23.49	23.62	23.53	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.50	23.55	23.44	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.43	23.51	23.52	24.5

n48 (SCS 30 kHz) (Ant4)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pv2 BPSK	1	1	16.11	16.45	16.64	17
		1	53	16.21	16.49	16.69	17
		1	104	16.41	16.70	16.68	17
		50	0	16.31	16.52	16.76	17
		50	28	16.24	16.53	16.71	17
		50	56	16.28	16.64	16.82	17
		100	0	16.30	16.62	16.78	17
		1	1	16.35	16.73	16.83	17
	DFT-s-OFDM QPSK	1	53	16.21	16.48	16.61	17
		1	104	16.32	16.59	16.71	17
		50	0	16.25	16.64	16.72	17
		50	28	16.16	16.61	16.71	17
		50	56	16.23	16.63	16.71	17
		100	0	16.24	16.62	16.63	17
	DFT-s-OFDM 16QAM	1	53	16.21	16.64	16.72	17
	DFT-s-OFDM 64QAM	1	53	15.65	16.40	16.64	16.5
	DFT-s-OFDM 256QAM	1	53	14.79	15.38	15.62	15.5
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	16.25	16.65	16.65	17
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	16.12	16.50	16.51	17

n66 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM Pv2 BPSK	1	1	19.14	19.10	19.11	20
		1	108	19.13	19.02	19.03	20
		1	214	19.06	18.91	18.95	20
		108	0	18.88	18.50	18.21	19.5
		108	54	18.62	18.51	19.11	20
		108	108	18.84	18.17	18.01	19.5
		216	0	18.74	18.14	18.10	19.5
		1	1	19.19	19.27	19.17	20
	DFT-s-OFDM QPSK	1	108	19.17	18.97	18.87	20
		1	214	19.11	18.93	18.89	20
		108	0	18.27	18.31	18.16	19
		108	54	18.92	19.11	18.94	20
		108	108	18.29	18.26	17.90	19
		216	0	18.13	18.23	18.02	19
	DFT-s-OFDM 16QAM	1	1	18.06	17.80	18.32	19
	DFT-s-OFDM 64QAM	1	1	16.87	16.55	16.16	17.5
	DFT-s-OFDM 256QAM	1	1	14.19	14.53	14.04	15.5
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	19.09	19.12	18.96	20
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	19.00	19.17	18.92	20
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	19.04	19.22	18.93	20
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	18.98	19.24	18.99	20
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	18.96	19.22	19.00	20
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	18.97	19.21	18.99	20

n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)	
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	DFT-s-OFDM P/2 BPSK	1	1	16.68		18	
		1	137	16.45		18	
		1	271	16.48		18	
		135	0	16.57		18	
		135	69	16.57		18	
		135	138	16.57		18	
		270	0	16.60		18	
	DFT-s-OFDM QPSK	1	1	16.77		18	
		1	137	16.50		18	
		1	271	16.57		18	
		135	0	16.64		18	
		135	69	16.61		18	
		135	138	16.69		18	
		270	0	16.54		18	
	DFT-s-OFDM 16QAM	1	1	16.69		18	
	DFT-s-OFDM 64QAM	1	1	16.33		17	
	DFT-s-OFDM 256QAM	1	1	14.63		15.5	
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	16.63	16.64	16.66	18
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	16.65	16.78	16.76	18
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	16.64	16.74	16.72	18
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	16.59	16.72	16.72	18
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	16.70	16.69	16.70	18
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	16.58	16.70	16.70	18
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	16.68	16.67	16.69	18
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	16.68	16.66	16.67	18
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	16.58	16.74	16.70	18
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	16.68	16.72	16.73	18
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	16.71	16.75	16.72	18

n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	16.86	17.26	17.41	18
		1	137	16.89	16.88	17.27	18
		1	271	16.84	17.08	17.46	18
		135	0	16.81	17.00	17.31	18
		135	69	16.90	17.06	17.25	18
		135	138	16.85	17.04	17.44	18
		270	0	16.80	16.95	17.30	18
	DFT-s-OFDM QPSK	1	1	16.99	17.47	17.58	18
		1	137	16.84	17.38	17.33	18
		1	271	16.87	17.32	17.45	18
		135	0	16.81	17.29	17.34	18
		135	69	16.89	17.19	17.24	18
		135	138	16.95	17.36	17.39	18
		270	0	16.76	17.26	17.27	18
	DFT-s-OFDM 16QAM	1	1	16.89	17.02	16.95	18
	DFT-s-OFDM 64QAM	1	1	16.89	16.79	16.88	17
	DFT-s-OFDM 256QAM	1	1	15.52	15.03	15.15	15.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	16.90	17.49	17.43	18
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3935.99	
80M	DFT-s-OFDM QPSK	1	1	16.86	17.40	17.49	18
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	16.97	17.51	17.52	18
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	16.93	17.41	17.55	18
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	16.87	17.53	17.54	18
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	16.94	17.42	17.53	18
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	16.88	17.49	17.47	18
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	16.86	17.41	17.55	18
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	16.97	17.53	17.41	18
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	16.90	17.50	17.42	18
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	16.84	17.41	17.43	18

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		19.77		21
		1	137		19.43		21
		1	271		19.53		21
		135	0		19.13		20.5
		135	69		19.49		21
		135	138		19.02		20.5
		270	0		19.06		20.5
		1	1		19.83		21
	DFT-s-OFDM QPSK	1	137		19.45		21
		1	271		19.49		21
		135	0		18.68		20
		135	69		19.49		21
		135	138		18.46		20
		270	0		18.63		20
		1	1		18.64		20
	DFT-s-OFDM 16QAM	1	1		17.06		18.5
	DFT-s-OFDM 64QAM	1	1		15.02		16.5
	DFT-s-OFDM 256QAM	1	1				
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	19.82	19.75	19.76	21
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	19.80	19.80	19.77	21
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	19.69	19.79	19.75	21
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	19.70	19.69	19.67	21
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	19.71	19.78	19.78	21
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	19.78	19.67	19.75	21
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	19.80	19.68	19.74	21
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	19.76	19.76	19.72	21
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	19.71	19.80	19.73	21
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	19.73	19.77	19.66	21
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	19.73	19.79	19.77	21

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	19.97	20.07	20.37	21
		1	137	19.87	19.94	20.37	21
		1	271	19.98	20.24	20.30	21
		135	0	19.42	19.35	19.80	20.5
		135	69	19.83	19.87	20.20	21
		135	138	19.58	19.60	19.98	20.5
		270	0	19.52	19.55	19.82	20.5
		1	1	20.05	20.31	20.55	21
	DFT-s-OFDM QPSK	1	137	19.96	19.94	20.37	21
		1	271	19.98	20.19	20.53	21
		135	0	18.92	19.10	19.26	20
		135	69	19.92	19.95	20.35	21
		135	138	19.04	19.28	19.54	20
		270	0	18.87	19.02	19.39	20
		1	1	18.75	19.13	19.12	20
	DFT-s-OFDM 16QAM	1	1	17.01	17.14	17.41	18.5
	DFT-s-OFDM 64QAM	1	1	14.71	14.96	15.11	16.5
	DFT-s-OFDM 256QAM	1	1				
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	19.98	20.15	20.51	21
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3935.99	
80M	DFT-s-OFDM QPSK	1	1	19.95	20.19	20.42	21
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	19.90	20.23	20.49	21
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	19.94	20.26	20.43	21
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	19.94	20.13	20.52	21
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	19.91	20.22	20.44	21
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	20.00	20.25	20.51	21
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	19.97	20.19	20.42	21
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	19.94	20.25	20.54	21
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	19.89	20.25	20.45	21
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	20.01	20.21	20.40	21

CA_5B (Ant2)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Combination 10MHz+10MHz (50RB+50RB)						Max. Turn-up Power
				Modulation	RCC	SCC	Measured Power (dBm)	RB Size	RB offset	
25450	829	20549	838.9	QPSK	1	49	1	0	24.87	20.5
				16QAM	1	49	1	0	23.97	24.5
				64QAM	1	49	1	0	21.35	23.5
				256QAM	1	49	1	0	19.93	20.5
				QPSK	1	49	1	0	24.81	20.5
20476	831.6	20575	841.5	16QAM	1	49	1	0	23.02	24.5
				64QAM	1	49	1	0	21.30	23.5
				256QAM	1	49	1	0	19.96	20.5
				QPSK	1	49	1	0	24.74	20.5
				16QAM	1	49	1	0	23.91	24.5
20501	834.1	20600	844	64QAM	1	49	1	0	21.37	23.5
				256QAM	1	49	1	0	19.96	20.5
				QPSK	1	49	1	0	24.79	20.5
				16QAM	1	49	1	0	23.91	24.5
				256QAM	1	49	1	0	19.91	20.5
20500	834	20572	841.2	QPSK	1	49	1	0	24.82	20.5
				16QAM	1	49	1	0	22.96	24.5
				64QAM	1	49	1	0	21.36	23.5
				256QAM	1	49	1	0	19.90	20.5
				QPSK	1	49	1	0	24.65	20.5
20550	839	20622	846.2	16QAM	1	49	1	0	21.26	23.5
				64QAM	1	49	1	0	19.98	20.5
				QPSK	1	49	1	0	24.77	20.5
				16QAM	1	24	1	0	23.93	24.5
				256QAM	1	24	1	0	19.79	20.5
20478	831.8	20590	839	QPSK	1	24	1	0	24.05	20.5
				16QAM	1	24	1	0	22.94	24.5
				64QAM	1	24	1	0	21.11	23.5
				256QAM	1	24	1	0	19.89	20.5
				QPSK	1	24	1	0	23.79	24.5
20528	836.8	20600	844	16QAM	1	24	1	0	21.25	23.5
				64QAM	1	24	1	0	19.89	20.5
				QPSK	1	24	1	0	24.83	20.5
				16QAM	1	24	1	0	23.97	24.5
				256QAM	1	24	1	0	19.89	20.5
20525	843.5	20634	847.4	QPSK	1	24	1	0	24.80	20.5
				16QAM	1	24	1	0	23.97	24.5
				64QAM	1	24	1	0	21.20	23.5
				256QAM	1	24	1	0	19.74	20.5
				QPSK	1	14	1	0	24.80	20.5
20416	825.6	20455	829.5	16QAM	1	14	1	0	23.89	24.5
				64QAM	1	14	1	0	21.15	23.5
				256QAM	1	14	1	0	19.87	20.5
				QPSK	1	14	1	0	24.58	20.5
				16QAM	1	14	1	0	23.73	24.5
20501	834.1	20540	838	64QAM	1	14	1	0	21.01	23.5
				256QAM	1	14	1	0	19.82	20.5
				QPSK	1	14	1	0	24.57	20.5
				16QAM	1	14	1	0	23.73	24.5
				64QAM	1	14	1	0	21.25	23.5
20586	842.6	20525	846.5	256QAM	1	14	1	0	19.86	20.5
				QPSK	1	14	1	0	24.80	20.5
				16QAM	1	14	1	0	23.93	24.5
				256QAM	1	14	1	0	19.86	20.5
				QPSK	1	14	1	0	24.80	20.5

CA_6B (Ant1)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Combination 10MHz+10MHz (50RB+50RB)						Max. Turn-up Power	
				Modulation	RCC	RB Size	RB offset	RB Size	RB offset		Measured Power (dBm)
132022	1715	132121	1724.9	QPSK	1	49	1	0	19.90	20.5	
				16QAM	1	49	1	0	19.45	19.5	
				64QAM	1	49	1	0	17.78	18.5	
				256QAM	1	49	1	0	15.20	15.5	
				QPSK	1	49	1	0	19.93	20.5	
132373	1750.1	132472	1760	16QAM	1	49	1	0	19.26	19.5	
				64QAM	1	49	1	0	17.73	18.5	
				256QAM	1	49	1	0	15.12	15.5	
				QPSK	1	49	1	0	19.79	20.5	
				16QAM	1	49	1	0	19.27	19.5	
132523	1765.1	132622	1775	64QAM	1	49	1	0	17.67	18.5	
				256QAM	1	49	1	0	15.18	15.5	
				QPSK	1	49	1	0	19.92	20.5	
				16QAM	1	74	1	0	19.42	19.5	
				64QAM	1	74	1	0	17.76	18.5	
132684	1717.5	132146	1726.8	256QAM	1	74	1	0	15.18	15.5	
				QPSK	1	74	1	0	19.93	20.5	
				16QAM	1	74	1	0	19.38	19.5	
				64QAM	1	74	1	0	17.83	18.5	
				256QAM	1	74	1	0	15.12	15.5	
132988	1752.6	132491	1761.9	QPSK	1	74	1	0	19.84	20.5	
				16QAM	1	74	1	0	19.26	19.5	
				64QAM	1	74	1	0	17.67	18.5	
				256QAM	1	74	1	0	15.12	15.5	
				QPSK	1	74	1	0	19.84	20.5	
132549	1757.7	132642	1777	16QAM	1	74	1	0	19.26	19.5	
				64QAM	1	74	1	0	17.67	18.5	
				256QAM	1	74	1	0	15.12	15.5	
				QPSK	1	24	1	0	19.94	20.5	
				16QAM	1	24	1	0	19.37	19.5	
132002	1713	132095	1722.3	16QAM	1	24	1	0	19.50	19.5	
				64QAM	1	24	1	0	17.77	18.5	
				256QAM	1	24	1	0	15.24	15.5	
				QPSK	1	24	1	0	19.93	20.5	
				16QAM	1	24	1	0	19.38	19.5	
132353	1748.1	132446	1757.4	64QAM	1	24	1	0	17.71	18.5	
				256QAM	1	24	1	0	15.05	15.5	
				QPSK	1	24	1	0	19.92	20.5	
				16QAM	1	24	1	0	19.21	19.5	
				64QAM	1	24	1	0	17.74	18.5	
132624	1763.2	132697	1772.5	256QAM	1	24	1	0	15.07	15.5	
				QPSK	1	49	1	0	19.99	20.5	
				16QAM	1	49	1	0	19.50	19.5	
				256QAM	1	49	1	0	15.13	15.5	
				QPSK	1	49	1	0	19.97	20.5	
132301	1752.5	132465	1759.7	16QAM	1	49	1	0	19.33	19.5	
				64QAM	1	49	1	0	17.80	18.5	
				256QAM	1	49	1	0	15.13	15.5	
				QPSK	1	49	1	0	19.92	20.5	
				16QAM	1	49	1	0	19.21	19.5	
132572	1770	132644	1777.2	64QAM	1	49	1	0	17.65	18.5	
				256QAM	1	49	1	0	15.21	15.5	
				QPSK	1	24	1	0	19.94	20.5	
				16QAM	1	24	1	0	19.39	19.5	
				64QAM	1	24	1	0	17.73	18.5	
132006	1712.8	132072	1720	QPSK	1	24	1	0	19.94	20.5	
				16QAM	1	24	1	0	19.39	19.5	
				64QAM	1	24	1	0	17.73	18.5	
				256QAM	1	24	1	0	15.14	15.5	
				QPSK	1	24	1	0	19.93	20.5	
132375	1750.3	132447	1757.5	16QAM	1	24	1	0	19.30	19.5	
				64QAM	1	24	1	0	17.75	18.5	
				256QAM	1	24	1	0	15.04	15.5	
				QPSK	1	24	1	0	19.91	20.5	
				16QAM	1	24	1	0	19.25	19.5	
132550	1767.8	132622	1775	64QAM	1	24	1	0	17.72	18.5	
				256QAM	1	24	1	0	15.14	15.5	
				QPSK	1	24	1	0	19.94	20.5	
				16QAM	1	24	1	0	19.39	19.5	
				64QAM	1	24	1	0	17.73	18.5	
132009	1712.5	132045	1717.3	Modulation	RCC	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
				QPSK	1	24	1	0	19.98	20.5	
				16QAM	1	24	1	0	19.50	19.5	
				64QAM	1	24	1	0	17.80	18.5	
				256QAM	1	24	1	0	15.18	15.5	
132396	1753.5	132446	1762.3	QPSK	1	24	1	0	19.93	20.5	
				16QAM	1	24	1	0	19.31	19.5	
				64QAM	1	24	1	0	17.81	18.5	
				256QAM	1	24	1	0	15.09	15.5	
				QPSK	1	24	1	0	19.91	20.5	
132699	1772.1	132647	1777.5	16QAM	1	24	1	0	19.24	19.5	
				64QAM	1	24	1	0	17.78	18.5	
				256QAM	1	24	1	0	15.15	15.5	
				QPSK	1	24	1	0	19.95	20.5	
				16QAM	1	24	1	0	19.28	19.5	

CA 48C (Ann4)									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50340	3560	50338	3579.8	QPSK	1	99	1	0	19.49
				16QAM	1	99	1	0	18.41
				64QAM	1	99	1	0	17.45
				256QAM	1	99	1	0	14.29
50391	3615.1	50389	3634.9	QPSK	1	99	1	0	19.49
				16QAM	1	99	1	0	18.45
				64QAM	1	99	1	0	17.45
				256QAM	1	99	1	0	14.45
50442	3670.2	50440	3690	QPSK	1	99	1	0	19.54
				16QAM	1	99	1	0	18.57
				64QAM	1	99	1	0	17.51
				256QAM	1	99	1	0	14.52
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50340	3560	50511	3577.1	QPSK	1	99	1	0	19.32
				16QAM	1	99	1	0	18.25
				64QAM	1	99	1	0	17.30
				256QAM	1	99	1	0	14.16
50916	3617.6	50907	3634.7	QPSK	1	99	1	0	19.45
				16QAM	1	99	1	0	18.31
				64QAM	1	99	1	0	17.44
				256QAM	1	99	1	0	14.45
50491	3675.1	50562	3692.2	QPSK	1	99	1	0	19.46
				16QAM	1	99	1	0	18.43
				64QAM	1	99	1	0	17.46
				256QAM	1	99	1	0	14.40
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50319	3557.8	50489	3574.9	QPSK	1	74	1	0	19.33
				16QAM	1	74	1	0	18.34
				64QAM	1	74	1	0	17.30
				256QAM	1	74	1	0	14.14
50883	3615.3	50604	3632.4	QPSK	1	74	1	0	19.33
				16QAM	1	74	1	0	18.30
				64QAM	1	74	1	0	17.30
				256QAM	1	74	1	0	14.36
50469	3672.8	50540	3690	QPSK	1	74	1	0	19.47
				16QAM	1	74	1	0	18.40
				64QAM	1	74	1	0	17.53
				256QAM	1	74	1	0	14.42
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50340	3560	50484	3574.4	QPSK	1	99	1	0	19.38
				16QAM	1	99	1	0	18.29
				64QAM	1	99	1	0	17.25
				256QAM	1	99	1	0	14.17
50941	3620.1	50682	3634.5	QPSK	1	99	1	0	19.35
				16QAM	1	99	1	0	18.35
				64QAM	1	99	1	0	17.32
				256QAM	1	99	1	0	14.45
50541	3680.1	50680	3694.5	QPSK	1	99	1	0	19.40
				16QAM	1	99	1	0	18.46
				64QAM	1	99	1	0	17.56
				256QAM	1	99	1	0	14.49
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50296	3558.8	50439	3569.9	QPSK	1	49	1	0	19.29
				16QAM	1	49	1	0	18.34
				64QAM	1	49	1	0	17.25
				256QAM	1	49	1	0	14.22
50896	3615.6	50840	3630	QPSK	1	49	1	0	19.29
				16QAM	1	49	1	0	18.42
				64QAM	1	49	1	0	17.44
				256QAM	1	49	1	0	14.40
50496	3675.6	50540	3690	QPSK	1	49	1	0	19.42
				16QAM	1	49	1	0	18.44
				64QAM	1	49	1	0	17.49
				256QAM	1	49	1	0	14.37
Combination 20MHz+5MHz (100RB+25RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50340	3560	50457	3571.7	QPSK	1	99	1	0	19.25
				16QAM	1	99	1	0	18.31
				64QAM	1	99	1	0	17.20
				256QAM	1	99	1	0	14.10
50965	3622.5	50682	3634.2	QPSK	1	99	1	0	19.34
				16QAM	1	99	1	0	18.35
				64QAM	1	99	1	0	17.34
				256QAM	1	99	1	0	14.31
50990	3685	50707	3695.7	QPSK	1	99	1	0	19.40
				16QAM	1	99	1	0	18.49
				64QAM	1	99	1	0	17.50
				256QAM	1	99	1	0	14.45
Combination 5MHz+20MHz (25RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50273	3553.3	50390	3565	QPSK	1	24	1	0	19.30
				16QAM	1	24	1	0	18.31
				64QAM	1	24	1	0	17.23
				256QAM	1	24	1	0	14.18
50898	3615.8	50915	3627.8	QPSK	1	24	1	0	19.32
				16QAM	1	24	1	0	18.40
				64QAM	1	24	1	0	17.30
				256QAM	1	24	1	0	14.44
50523	3678.3	50540	3690	QPSK	1	24	1	0	19.53
				16QAM	1	24	1	0	18.44
				64QAM	1	24	1	0	17.53
				256QAM	1	24	1	0	14.50

CA 48B (Ann4)									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50290	3555	50389	3564.9	QPSK	1	49	1	0	19.34
				16QAM	1	49	1	0	18.27
				64QAM	1	49	1	0	17.27
				256QAM	1	49	1	0	14.25
50341	3630.1	50140	3640	QPSK	1	49	1	0	19.39
				16QAM	1	49	1	0	18.37
				64QAM	1	49	1	0	17.43
				256QAM	1	49	1	0	14.43
50591	3685.1	50590	3695	QPSK	1	49	1	0	19.48
				16QAM	1	49	1	0	18.49
				64QAM	1	49	1	0	17.52
				256QAM	1	49	1	0	14.40

n48 (SCS 30 kHz) (Ant3)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		638000	641666	645332		
		Frequency (MHz)		3570	3624.99	3679.98		
40M	DFT-s-OFDM P/2 BPSK	1	1	22.99	23.45	23.65	24	
		1	53	23.18	23.49	23.55	24	
		1	104	23.31	23.71	23.73	24	
		50	0	23.24	23.46	23.60	24	
		50	28	23.27	23.48	23.72	24	
		50	56	23.23	23.60	23.68	24	
		100	0	23.15	23.54	23.61	24	
		1	1	23.34	23.66	23.87	24	
	DFT-s-OFDM QPSK	1	53	23.03	23.41	23.63	24	
		1	104	23.18	23.53	23.62	24	
		50	0	23.19	23.49	23.71	24	
		50	28	23.12	23.47	23.54	24	
		50	56	23.13	23.48	23.70	24	
		100	0	23.09	23.56	23.59	24	
		DFT-s-OFDM 16QAM	1	53	23.08	23.38	23.59	24
		DFT-s-OFDM 64QAM	1	53	22.97	23.13	23.11	23.5
	DFT-s-OFDM 256QAM	1	53	21.59	21.83	21.97	22.5	
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up	
Frequency (MHz)		3560.01	3624.99	3690				
20M	DFT-s-OFDM QPSK	1	1	23.26	23.64	23.74	24	
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up	
		Frequency (MHz)		3555	3624.99	3694.98		
10M	DFT-s-OFDM QPSK	1	1	23.24	23.62	23.84	24	

n48 (SCS 30 kHz) (Ant6)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM P/2 BPSK	1	1	22.19	22.51	22.71	23
		1	53	22.08	22.43	22.64	23
		1	104	22.20	22.62	22.60	23
		50	0	22.22	22.49	22.74	23
		50	28	22.19	22.53	22.71	23
		50	56	22.31	22.62	22.70	23
		100	0	22.18	22.55	22.73	23
	DFT-s-OFDM QPSK	1	1	22.53	22.66	22.75	23
		1	53	22.16	22.48	22.59	23
		1	104	22.25	22.56	22.55	23
		50	0	22.43	22.60	22.64	23
		50	28	22.10	22.56	22.56	23
		50	56	22.22	22.43	22.58	23
		100	0	22.21	22.43	22.46	23
	DFT-s-OFDM 16QAM	1	53	22.13	22.47	22.66	23
	DFT-s-OFDM 64QAM	1	53	21.92	22.21	22.16	22.5
	DFT-s-OFDM 256QAM	1	53	20.61	20.82	20.87	21.5
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	22.27	22.52	22.64	23
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	22.25	22.58	22.60	23

n48 (SCS 30 kHz) (Ant8)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM P/V2 BPSK	1	1	20.32	20.63	20.77	21
		1	53	20.18	20.42	20.63	21
		1	104	20.25	20.62	20.60	21
		50	0	20.17	20.45	20.61	21
		50	28	20.20	20.53	20.63	21
		50	56	20.21	20.51	20.72	21
		100	0	20.18	20.46	20.73	21
		1	1	20.35	20.71	20.78	21
	DFT-s-OFDM QPSK	1	53	20.07	20.43	20.61	21
		1	104	20.32	20.52	20.66	21
		50	0	20.29	20.60	20.67	21
		50	28	20.16	20.52	20.60	21
		50	56	20.25	20.42	20.59	21
		100	0	20.12	20.55	20.57	21
	DFT-s-OFDM 16QAM	1	53	20.22	20.37	20.62	21
	DFT-s-OFDM 64QAM	1	53	19.96	20.11	20.22	20.5
	DFT-s-OFDM 256QAM	1	53	18.55	18.80	18.98	19.5
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	20.33	20.67	20.63	21
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	20.31	20.57	20.66	21

n77 (SCS 30 kHz) 3450~3550MHz (Ant3) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/V2 BPSK	1	1		21.98		23.5
		1	137		21.82		23.5
		1	271		21.93		23.5
		135	0		22.14		23.5
		135	69		21.99		23.5
		135	138		21.90		23.5
		270	0		21.94		23.5
		1	1		22.19		23.5
	DFT-s-OFDM QPSK	1	137		22.01		23.5
		1	271		21.91		23.5
		135	0		20.00		23.5
		135	69		22.03		23.5
		135	138		22.01		23.5
		270	0		22.09		23.5
	DFT-s-OFDM 16QAM	1	1		22.00		23.5
	DFT-s-OFDM 64QAM	1	1		21.62		22.5
	DFT-s-OFDM 256QAM	1	1		20.13		21.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	22.08	22.18	22.14	23.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	22.02	22.11	22.11	23.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	22.06	22.13	22.04	23.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	22.07	22.15	22.06	23.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	22.06	22.13	22.04	23.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	22.05	22.16	22.13	23.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	21.97	22.05	22.04	23.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	21.96	22.16	22.11	23.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	21.97	22.05	22.04	23.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	21.96	22.16	22.11	23.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	21.97	22.05	22.04	23.5

n77 (SCS 30 kHz) 3700~3980MHz (Ant3) for FCC								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		650000	656000	662000		
		Frequency (MHz)		3750	3840	3930		
100M	DFT-s-OFDM P/2 BPSK	1	1	21.94	22.45	22.56	23.5	
		1	137	21.88	22.15	22.60	23.5	
		1	271	22.05	22.27	22.72	23.5	
		135	0	22.06	22.07	22.37	23.5	
		135	69	22.01	22.23	22.50	23.5	
		135	138	22.15	22.10	22.44	23.5	
		270	0	22.14	22.00	22.45	23.5	
		1	1	22.17	22.71	22.73	23.5	
	DFT-s-OFDM QPSK	1	137	22.00	22.55	22.41	23.5	
		1	271	22.02	22.47	22.46	23.5	
		135	0	22.07	22.51	22.49	23.5	
		135	69	22.09	22.53	22.58	23.5	
		135	138	22.05	22.50	22.43	23.5	
		270	0	21.91	22.50	22.54	23.5	
		DFT-s-OFDM 16QAM	1	1	22.02	22.22	22.05	23.5
		DFT-s-OFDM 64QAM	1	1	21.96	22.07	22.06	22.5
	DFT-s-OFDM 256QAM	1	1	20.75	20.23	20.20	21.5	
	BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
	Frequency (MHz)		3745.02	3840	3934.98			
	90M	DFT-s-OFDM QPSK	1	1	22.08	22.70	22.58	23.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up	
		Frequency (MHz)		3740.01	3840	3939.99		
80M	DFT-s-OFDM QPSK	1	1	21.95	22.65	22.48	23.5	
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up	
		Frequency (MHz)		3735	3840	3945		
70M	DFT-s-OFDM QPSK	1	1	22.06	22.55	22.55	23.5	
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up	
		Frequency (MHz)		3730.02	3840	3949.98		
60M	DFT-s-OFDM QPSK	1	1	21.95	22.65	22.48	23.5	
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up	
		Frequency (MHz)		3725.01	3840	3954.99		
50M	DFT-s-OFDM QPSK	1	1	22.03	22.61	22.57	23.5	
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up	
		Frequency (MHz)		3720	3840	3960		
40M	DFT-s-OFDM QPSK	1	1	21.96	22.67	22.51	23.5	
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up	
		Frequency (MHz)		3715.02	3840	3964.98		
30M	DFT-s-OFDM QPSK	1	1	22.03	22.61	22.57	23.5	
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up	
		Frequency (MHz)		3710.01	3840	3969.99		
20M	DFT-s-OFDM QPSK	1	1	21.96	22.67	22.51	23.5	
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up	
		Frequency (MHz)		3707.52	3840	3972.48		
15M	DFT-s-OFDM QPSK	1	1	22.03	22.61	22.57	23.5	
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up	
		Frequency (MHz)		3705	3840	3975		
10M	DFT-s-OFDM QPSK	1	1	21.96	22.67	22.51	23.5	
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up	
		Frequency (MHz)		3702.51	3840	3977.49		
5M	DFT-s-OFDM QPSK	1	1	22.03	22.61	22.57	23.5	

n77 (SCS 30 kHz) 3450~3550MHz (Ant6) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		20.62		21.5
		1	137		20.52		21.5
		1	271		20.64		21.5
		135	0		20.93		21.5
		135	69		20.75		21.5
		135	138		20.66		21.5
		270	0		20.59		21.5
		1	1		20.95		21.5
	DFT-s-OFDM QPSK	1	137		20.80		21.5
		1	271		20.64		21.5
		135	0		20.71		21.5
		135	69		20.77		21.5
		135	138		20.71		21.5
		270	0		20.73		21.5
		DFT-s-OFDM 16QAM	1	1	20.62		21.5
		DFT-s-OFDM 64QAM	1	1	20.22		21
		DFT-s-OFDM 256QAM	1	1	19.00		20
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	20.91	20.95	20.87	21.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	20.89	20.88	20.82	21.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	20.82	20.87	20.84	21.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	20.89	20.88	20.82	21.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	20.85	20.84	20.86	21.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	20.82	20.87	20.84	21.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	20.89	20.88	20.82	21.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	20.86	20.91	20.85	21.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	20.82	20.85	20.76	21.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	20.86	20.91	20.85	21.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	20.82	20.85	20.76	21.5

n77 (SCS 30 kHz) 3700–3980MHz (Ant6) for FCC								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		650000	656000	662000		
		Frequency (MHz)		3750	3840	3930		
100M	DFT-s-OFDM P/2 BPSK	1	1	20.64	20.35	19.95	21.5	
		1	137	20.60	20.13	19.73	21.5	
		1	271	20.73	20.24	19.91	21.5	
		135	0	20.29	20.11	20.05	21.5	
		135	69	20.45	20.16	19.93	21.5	
		135	138	20.33	20.08	20.05	21.5	
		270	0	20.48	20.05	19.99	21.5	
		1	1	20.78	20.65	20.14	21.5	
	DFT-s-OFDM QPSK	1	137	20.47	20.48	19.99	21.5	
		1	271	20.40	20.44	20.02	21.5	
		135	0	20.49	20.50	20.01	21.5	
		135	69	20.55	20.52	20.15	21.5	
		135	138	20.43	20.48	19.99	21.5	
		270	0	20.42	20.40	19.85	21.5	
		DFT-s-OFDM 16QAM	1	1	20.08	20.10	19.98	21.5
		DFT-s-OFDM 64QAM	1	1	20.02	20.06	19.83	21
	DFT-s-OFDM 256QAM	1	1	18.13	18.31	18.72	20	
	BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
	Frequency (MHz)		3745.02	3840	3934.98			
	90M	DFT-s-OFDM QPSK	1	1	20.69	20.63	20.06	21.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up	
		Frequency (MHz)		3740.01	3840	3939.99		
80M	DFT-s-OFDM QPSK	1	1	20.77	20.55	20.06	21.5	
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up	
		Frequency (MHz)		3735	3840	3945		
70M	DFT-s-OFDM QPSK	1	1	20.77	20.58	20.13	21.5	
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up	
		Frequency (MHz)		3730.02	3840	3949.98		
60M	DFT-s-OFDM QPSK	1	1	20.76	20.56	20.06	21.5	
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up	
		Frequency (MHz)		3725.01	3840	3954.99		
50M	DFT-s-OFDM QPSK	1	1	20.63	20.55	20.03	21.5	
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up	
		Frequency (MHz)		3720	3840	3960		
40M	DFT-s-OFDM QPSK	1	1	20.63	20.62	20.06	21.5	
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up	
		Frequency (MHz)		3715.02	3840	3964.98		
30M	DFT-s-OFDM QPSK	1	1	20.67	20.57	20.10	21.5	
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up	
		Frequency (MHz)		3710.01	3840	3969.99		
20M	DFT-s-OFDM QPSK	1	1	20.70	20.51	20.06	21.5	
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up	
		Frequency (MHz)		3707.52	3840	3972.48		
15M	DFT-s-OFDM QPSK	1	1	20.69	20.51	20.12	21.5	
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up	
		Frequency (MHz)		3705	3840	3975		
10M	DFT-s-OFDM QPSK	1	1	20.65	20.60	20.13	21.5	
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up	
		Frequency (MHz)		3702.51	3840	3977.49		
5M	DFT-s-OFDM QPSK	1	1	20.72	20.58	20.01	21.5	

n77 (SCS 30 kHz) 3450–3550MHz (Ant8) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		18.86		20.5
		1	137		18.75		20.5
		1	271		18.86		20.5
		135	0		19.20		20.5
		135	69		19.05		20.5
		135	138		18.88		20.5
		270	0		18.80		20.5
		1	1		19.21		20.5
	DFT-s-OFDM QPSK	1	137		19.05		20.5
		1	271		18.84		20.5
		135	0		18.99		20.5
		135	69		19.12		20.5
		135	138		18.95		20.5
		270	0		19.05		20.5
		DFT-s-OFDM 16QAM	1	1	18.91		20.5
		DFT-s-OFDM 64QAM	1	1	18.72		19.5
		DFT-s-OFDM 256QAM	1	1	17.30		18.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	19.17	19.20	19.18	20.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	19.04	19.09	19.08	20.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	19.10	19.05	19.06	20.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	19.13	19.06	19.15	20.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	19.07	19.07	19.16	20.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	19.11	19.14	19.03	20.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	19.06	19.05	19.03	20.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	19.16	19.09	19.15	20.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	19.13	19.17	19.11	20.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	19.06	19.05	19.03	20.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	19.13	19.17	19.13	20.5

n77 (SCS 30 kHz) 3700~3980MHz (Ant8) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	19.99	19.65	19.35	20.5
		1	137	20.04	19.60	19.26	20.5
		1	271	20.09	19.70	19.40	20.5
		135	0	19.55	19.54	19.47	20.5
		135	69	19.73	19.57	19.49	20.5
		135	138	19.71	19.55	19.56	20.5
		270	0	19.95	19.35	19.55	20.5
		1	1	20.13	20.05	19.65	20.5
	DFT-s-OFDM QPSK	1	137	19.83	19.83	19.44	20.5
		1	271	19.86	19.91	19.31	20.5
		135	0	19.90	19.94	19.39	20.5
		135	69	19.99	19.83	19.48	20.5
		135	138	19.78	19.74	19.45	20.5
		270	0	19.88	19.84	19.44	20.5
		1	1	19.39	19.39	19.45	20.5
	DFT-s-OFDM 16QAM	1	1	19.45	19.41	19.21	19.5
	DFT-s-OFDM 64QAM	1	1	17.55	17.56	18.08	18.5
	DFT-s-OFDM 256QAM	1	1	17.55	17.56	18.08	18.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	20.09	19.98	19.52	20.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	20.06	19.90	19.59	20.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	20.06	19.91	19.50	20.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	20.03	19.98	19.62	20.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	20.04	19.96	19.51	20.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	20.08	20.01	19.61	20.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	20.00	19.92	19.64	20.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	20.01	19.97	19.57	20.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	20.10	19.93	19.59	20.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	20.06	19.97	19.54	20.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	20.02	19.91	19.59	20.5

Receiver of DS4, ENDC

BW	Modulation	LTE Band 2 (Ann1)						
		RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)	
		Channel	1920	1980	1920		Turn-up	
CPSC	QPSK	Frequency (MHz)	1880	1880	1880	1880	22.5	
		1	0	21.23	21.16	21.17	22.5	
		1	50	21.34	21.28	21.29	22.5	
		1	99	21.19	21.14	21.17	22.5	
		50	0	20.23	20.27	20.22	21.5	
		50	50	20.34	20.24	20.21	21.5	
		50	50	20.46	20.40	20.39	21.5	
		100	0	20.39	20.18	20.37	21.5	
		100	0	20.52	20.42	20.47	21.5	
		1	99	20.54	20.65	20.58	21.5	
H20M	QPSK	50	50	19.36	19.36	19.30	20.5	
		1	99	20.43	20.50	20.39	21.5	
		50	50	19.36	19.37	19.30	20.5	
		50	25	19.36	19.30	19.39	20.5	
		50	50	19.36	19.41	19.40	20.5	
		100	0	19.35	19.49	19.38	20.5	
		1	0	19.46	19.38	19.32	20.5	
		1	50	19.21	19.27	19.40	20.5	
		1	99	19.43	19.31	19.30	20.5	
		50	0	19.31	19.34	19.23	19.5	
H20M	QPSK	50	50	19.35	19.36	19.30	20.5	
		50	25	19.35	19.25	19.32	19.5	
		100	0	19.36	19.30	19.39	20.5	
		50	50	19.36	19.42	19.41	19.5	
		1	0	19.37	19.35	19.41	17.5	
		1	99	19.39	19.38	19.34	17.5	
		50	50	19.36	19.36	19.30	17.5	
		50	25	19.47	19.31	19.35	17.5	
		50	50	19.42	19.40	19.42	17.5	
		100	0	19.37	19.33	19.42	17.5	
E20QAM	QPSK	50	50	19.36	19.36	19.30	17.5	
		50	25	19.47	19.31	19.35	17.5	
		50	50	19.42	19.40	19.42	17.5	
		100	0	19.37	19.33	19.42	17.5	
		1	0	19.37	19.35	19.41	17.5	
		1	99	19.39	19.38	19.34	17.5	
		50	50	19.36	19.36	19.30	17.5	
		50	25	19.47	19.31	19.35	17.5	
		50	50	19.42	19.40	19.42	17.5	
		100	0	19.37	19.33	19.42	17.5	
BW	Modulation	Channel	1987.5	1980	1987.5	Max. Throughput (Mbps)		
		Frequency (MHz)	1987.5	1980	1987.5	Turn-up		
		1	0	21.14	21.12	21.14	22.5	
		1	37	21.16	21.18	21.16	22.5	
		1	74	21.05	21.11	21.09	22.5	
		36	0	20.24	20.18	20.08	21.5	
		36	19	20.29	20.22	20.26	21.5	
		36	38	20.31	20.24	20.26	21.5	
		75	0	20.34	20.22	20.26	21.5	
		1	0	20.30	20.42	20.33	21.5	
H20M	QPSK	1	0	20.40	20.40	20.39	21.5	
		36	74	20.33	20.38	20.30	21.5	
		36	0	19.25	19.12	19.00	20.5	
		36	19	19.26	19.17	19.21	20.5	
		36	38	19.34	19.22	19.26	20.5	
		75	0	19.28	19.12	19.23	20.5	
		75	0	19.25	19.25	19.18	20.5	
		1	37	19.33	19.17	19.28	20.5	
		1	74	19.35	19.28	19.30	20.5	
		36	0	19.25	19.23	19.21	19.5	
H20M	QPSK	36	19	19.23	19.26	19.23	19.5	
		36	38	19.34	19.22	19.26	19.5	
		75	0	19.28	19.12	19.23	19.5	
		75	0	19.25	19.25	19.18	19.5	
		1	37	19.33	19.17	19.28	19.5	
		1	74	19.35	19.28	19.30	19.5	
		36	0	19.25	19.23	19.21	19.5	
		36	19	19.23	19.26	19.23	19.5	
		75	0	19.28	19.12	19.23	19.5	
		75	0	19.25	19.25	19.18	19.5	
E20QAM	QPSK	36	0	19.31	19.20	19.22	17.5	
		36	19	19.32	19.21	19.25	17.5	
		36	38	19.30	19.26	19.31	17.5	
		75	0	19.30	19.20	19.31	17.5	
		75	0	19.28	19.28	19.21	17.5	
		1	0	19.37	19.35	19.41	17.5	
		1	99	19.39	19.38	19.34	17.5	
		50	50	19.36	19.36	19.30	17.5	
		50	25	19.47	19.31	19.35	17.5	
		50	50	19.42	19.40	19.42	17.5	
BW	Modulation	Channel	1987.5	1980	1987.5	Max. Throughput (Mbps)		
		Frequency (MHz)	1987.5	1980	1987.5	Turn-up		
		1	0	21.22	21.04	21.19	22.5	
		1	48	21.16	21.13	21.14	22.5	
		1	48	21.16	21.13	21.14	22.5	
		25	0	20.12	20.11	20.14	21.5	
		25	0	20.12	20.11	20.14	21.5	
		25	25	20.26	20.18	20.26	21.5	
		80	0	20.23	20.18	20.23	21.5	
		21	0	20.34	20.24	20.34	21.5	
1	24	20.43	20.39	20.48	21.5			
H20M	QPSK	1	49	20.34	20.50	20.32	21.5	
		1	49	19.16	19.14	19.15	20.5	
		25	12	19.21	19.19	19.25	20.5	
		25	25	19.34	19.26	19.31	20.5	
		25	0	19.31	19.21	19.22	20.5	
		1	0	19.35	19.28	19.31	20.5	
		1	24	19.27	19.17	19.25	20.5	
		1	48	19.30	19.22	19.30	20.5	
		25	0	19.26	19.17	19.24	19.5	
		25	12	19.16	19.17	19.21	19.5	
H20M	QPSK	25	25	19.24	19.22	19.20	19.5	
		25	0	19.34	19.23	19.25	19.5	
		25	12	19.27	19.21	19.23	19.5	
		1	24	19.25	19.30	19.20	17.5	
		1	49	19.25	19.32	19.25	17.5	
		25	0	19.16	19.20	19.19	17.5	
		25	12	19.36	19.28	19.32	17.5	
		25	25	19.30	19.30	19.30	17.5	
		25	0	19.27	19.27	19.18	17.5	
		25	0	19.27	19.27	19.18	17.5	
E20QAM	QPSK	25	0	19.27	19.27	19.18	17.5	
		25	12	19.36	19.28	19.32	17.5	
		25	25	19.30	19.30	19.30	17.5	
		25	0	19.27	19.27	19.18	17.5	
		25	0	19.27	19.27	19.18	17.5	
		1	0	19.37	19.35	19.41	17.5	
		1	99	19.39	19.38	19.34	17.5	
		50	50	19.36	19.36	19.30	17.5	
		50	25	19.47	19.31	19.35	17.5	
		50	50	19.42	19.40	19.42	17.5	
BW	Modulation	Channel	1987.5	1980	1987.5	Max. Throughput (Mbps)		
		Frequency (MHz)	1987.5	1980	1987.5	Turn-up		
		1	0	21.22	21.04	21.19	22.5	
		1	48	21.16	21.13	21.14	22.5	
		1	48	21.16	21.13	21.14	22.5	
		25	0	20.12	20.11	20.14	21.5	
		25	0	20.12	20.11	20.14	21.5	
		25	25	20.26	20.18	20.26	21.5	
		80	0	20.23	20.18	20.23	21.5	
		21	0	20.34	20.24	20.34	21.5	
1	24	20.43	20.39	20.48	21.5			
H20M	QPSK	1	49	20.34	20.50	20.32	21.5	
		1	49	19.16	19.14	19.15	20.5	
		25	12	19.21	19.19	19.25	20.5	
		25	25	19.34	19.26	19.31	20.5	
		25	0	19.31	19.21	19.22	20.5	
		1	0	19.35	19.28	19.31	20.5	
		1	24	19.27	19.17	19.25	20.5	
		1	48	19.30	19.22	19.30	20.5	
		25	0	19.26	19.17	19.24	19.5	
		25	12	19.16	19.17	19.21	19.5	
H20M	QPSK	25	25	19.24	19.22	19.20	19.5	
		25	0	19.34	19.23	19.25	19.5	
		25	12	19.27	19.21	19.23	19.5	
		1	24	19.25	19.30	19.20	17.5	
		1	49	19.25	19.32	19.25	17.5	
		25	0	19.16	19.20	19.19	17.5	
		25	12	19.36	19.28	19.32	17.5	
		25	25	19.30	19.30	19.30	17.5	
		25	0	19.27	19.27	19.18	17.5	
		25	0	19.27	19.27	19.18	17.5	
E20QAM	QPSK	25	0	19.27	19.27	19.18	17.5	
		25	12	19.36	19.28	19.32	17.5	
		25	25	19.30	19.30	19.30	17.5	
		25	0	19.27	19.27	19.18	17.5	
		25	0	19.27	19.27	19.18	17.5	
		1	0	19.37	19.35	19.41	17.5	
		1	99	19.39	19.38	19.34	17.5	
		50	50	19.36	19.36	19.30	17.5	
		50	25	19.47	19.31	19.35	17.5	
		50	50	19.42	19.40	19.42	17.5	
BW	Modulation	Channel	1987.5	1980	1987.5	Max. Throughput (Mbps)		
		Frequency (MHz)	1987.5	1980	1987.5	Turn-up		
		1	0	21.22	21.04	21.19	22.5	
		1	48	21.16	21.13	21.14	22.5	
		1	48	21.16	21.13	21.14	22.5	
		25	0	20.12	20.11	20.14	21.5	
		25	0	20.12	20.11	20.14	21.5	
		25	25	20.26	20.18	20.26	21.5	
		80	0	20.23	20.18	20.23	21.5	
		21	0	20.34	20.24	20.34	21.5	
1	24	20.43	20.39	20.48	21.5			
H20M	QPSK	1	49	20.34	20.50	20.32	21.5	
		1	49	19.16	19.14	19.15	20.5	
		25	12	19.21	19.19	19.25	20.5	
		25	25	19.34	19.26	19.31	20.5	
		25	0	19.31	19.21	19.22	20.5	
		1	0	19.35	19.28	19.31	20.5	
		1	24	19.27	19.17	19.25	20.5	
		1	48	19.30	19.22	19.30	20.5	
		25	0	19.26	19.17	19.24	19.5	
		25	12	19.16	19.17	19.21	19.5	
H20M	QPSK	25	25	19.24	19.22	19.20	19.5	
		25	0	19.34	19.23	19.25	19.5	
		25	12	19.27	19.21	19.23	19.5	
		1	24	19.25	19.30	19.20	17.5	
		1	49	19.25	19.32	19.25	17.5	
		25	0	19.16	19.20	19.19	17.5	
		25	12	19.36	19.28	19.32	17.5	
		25	25	19.30	19.30	19.30	17.5	
		25	0	19.27	19.27	19.18	17.5	
		25	0	19.27	19.27	19.18	17.5	
E20QAM	QPSK	25	0	19.27	19.27	19.18	17.5	
		25	12	19.36	19.28	19.32	17.5	
		25	25	19.30	19.30	19.30	17.5	
		25	0	19.27	19.27	19.18	17.5	
		25	0	19.27	19.27	19.18	17.5	
		1	0	19.37	19.35	19.41	17.5	
		1	99	19.39	19.38	19.34	17.5	
		50	50	19.36	19.36	19.30	17.5	
		50	25	19.47	19.31	19.35	17.5	
		50	50	19.42	19.40	19.42	17.5	
BW	Modulation	Channel	1987.5	1980	1987.5	Max. Throughput (Mbps)		
		Frequency (MHz)	1987.5	1980	1987.5	Turn-up		
		1	0	21.22	21.04	21.19	22.5	
		1	48	21.16	21.13	21.14	22.5	
		1	48	21.16	21.13	21.14	22.5	
		25	0	20.12	20.11	20.14	21.5	
		25	0	20.12				

LTE Band 4 (Ant2)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)		
		Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
20M	OFDMA	Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		1	0	23.07	23.16	23.16	24.5		
		1	50	23.07	23.14	23.14	24.5		
		1	99	23.13	23.19	23.17	24.5		
		50	0	22.03	22.12	22.14	23.5		
		50	25	22.15	22.18	22.18	23.5		
		50	50	22.17	22.21	22.22	23.5		
		100	0	22.11	22.18	22.14	23.5		
		100	0	22.14	22.18	22.18	23.5		
		1	50	22.03	22.04	22.04	23.5		
10M	OFDMA	Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		1	50	22.03	22.04	22.04	23.5		
		1	99	22.07	22.08	22.08	23.5		
		50	25	21.12	21.15	21.17	22.5		
		50	50	21.26	21.21	21.21	22.5		
		100	0	21.18	21.14	21.14	22.5		
		1	0	21.08	21.04	21.04	22.5		
		1	50	21.06	21.02	21.02	22.5		
		1	99	21.02	21.01	21.01	22.5		
		50	0	20.22	20.21	20.21	21.5		
5M	OFDMA	Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		36	0	20.07	20.06	20.06	21.5		
		36	0	20.03	20.03	20.03	21.5		
		100	0	20.14	20.10	20.10	21.5		
		1	50	19.32	19.30	19.32	20.5		
		1	99	19.34	19.31	19.32	20.5		
		50	25	18.22	18.20	18.22	19.5		
		50	25	18.07	18.09	18.30	19.5		
		100	0	18.20	18.07	18.20	19.5		
		100	0	18.12	18.07	18.12	19.5		
20M	OFDMA	Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
		Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		1	37	22.70	22.66	22.66	24.5		
		1	74	22.60	22.53	22.64	24.5		
		36	0	21.03	21.00	21.03	24.5		
		36	19	22.02	22.00	22.03	23.5		
		36	39	22.00	22.11	21.98	23.5		
		75	0	21.03	21.07	21.00	23.5		
		1	0	21.07	21.08	21.00	23.5		
		1	74	22.70	22.67	22.69	23.5		
10M	OFDMA	Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
		Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		36	0	20.88	20.82	20.89	22.5		
		36	0	21.00	20.99	21.00	22.5		
		36	39	21.12	21.04	21.06	22.5		
		75	0	20.84	20.86	21.07	22.5		
		1	0	21.02	21.02	21.04	22.5		
		1	37	21.27	21.28	21.28	22.5		
		1	74	21.28	21.18	21.28	22.5		
		36	0	20.08	20.08	20.22	21.5		
5M	OFDMA	Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
		Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		36	19	19.07	19.07	19.04	21.5		
		36	39	20.00	20.10	20.10	21.5		
		75	0	20.01	19.99	19.99	21.5		
		1	0	19.42	19.22	19.19	19.5		
		1	74	19.23	19.18	19.18	19.5		
		36	0	18.13	18.17	18.22	19.5		
		36	19	18.44	18.17	18.16	19.5		
		36	39	18.24	18.12	18.17	19.5		
20M	OFDMA	Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
		Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		1	37	22.70	22.66	22.66	24.5		
		1	74	22.60	22.53	22.64	24.5		
		36	0	21.03	21.00	21.03	24.5		
		36	19	22.02	22.00	22.03	23.5		
		36	39	22.00	22.11	21.98	23.5		
		75	0	21.03	21.07	21.00	23.5		
		1	0	21.07	21.08	21.00	23.5		
		1	74	22.70	22.67	22.69	23.5		
10M	OFDMA	Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
		Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		1	34	22.20	22.27	22.24	23.5		
		1	69	22.21	22.25	22.20	23.5		
		25	0	20.88	20.87	20.84	22.5		
		25	12	21.02	21.00	21.07	23.5		
		25	25	21.02	21.00	21.07	23.5		
		50	0	21.02	21.00	21.07	23.5		
		50	50	21.02	21.00	21.07	23.5		
		100	0	21.02	21.00	21.07	23.5		
5M	OFDMA	Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
		Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		1	24	21.42	21.43	21.44	22.5		
		1	49	21.38	21.41	21.38	22.5		
		12	0	20.88	20.87	20.84	21.5		
		12	13	21.08	21.05	21.08	21.5		
		25	0	20.88	20.87	20.84	21.5		
		25	25	21.02	21.00	21.07	21.5		
		50	0	20.84	20.86	21.07	21.5		
		50	50	21.02	21.00	21.07	21.5		
20M	OFDMA	Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
		Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		1	0	18.07	18.07	18.15	19.5		
		1	24	18.27	18.24	18.18	19.5		
		1	49	18.31	18.26	18.18	19.5		
		25	0	18.21	18.18	18.18	19.5		
		25	12	18.25	18.14	18.20	19.5		
		25	25	18.27	18.16	18.20	19.5		
		50	0	18.03	18.20	18.18	19.5		
		50	50	18.03	18.20	18.18	19.5		
10M	OFDMA	Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
		Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		1	12	22.73	22.68	22.69	24.5		
		1	24	22.64	22.56	22.64	24.5		
		12	0	21.00	21.02	21.00	23.5		
		12	6	21.04	21.03	21.06	23.5		
		12	13	21.08	21.07	21.09	23.5		
		25	0	21.04	21.04	21.00	23.5		
		1	0	21.08	21.08	21.00	23.5		
		1	24	22.73	22.68	22.69	23.5		
5M	OFDMA	Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
		Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		12	0	20.87	20.87	21.05	22.5		
		12	6	20.98	20.91	21.05	22.5		
		12	13	21.06	21.05	21.09	22.5		
		25	0	21.06	21.07	21.03	22.5		
		12	13	21.08	21.07	21.11	22.5		
		1	12	21.21	21.25	21.25	22.5		
		1	24	21.23	21.25	21.29	22.5		
		12	6	20.95	20.98	21.07	22.5		
20M	OFDMA	Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
		Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		12	6	18.96	18.92	19.05	21.5		
		12	13	19.05	18.97	19.05	21.5		
		25	0	18.96	18.92	19.05	21.5		
		12	13	19.05	18.97	19.05	21.5		
		1	0	18.41	18.17	18.23	19.5		
		1	12	18.34	18.17	18.23	19.5		
		1	24	18.33	18.25	18.27	19.5		
		12	0	18.12	18.11	18.18	19.5		
10M	OFDMA	Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
		Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		12	6	18.21	18.18	18.23	19.5		
		12	13	18.15	18.32	18.23	19.5		
		1	0	18.13	18.05	18.11	19.5		
		1	12	18.13	18.05	18.11	19.5		
		1	24	18.13	18.05	18.11	19.5		
		12	6	18.21	18.18	18.23	19.5		
		12	13	18.15	18.32	18.23	19.5		
		1	0	18.13	18.05	18.11	19.5		
20M	OFDMA	Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
		Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		1	0	18.07	18.07	18.15	19.5		
		1	24	18.18	18.14	18.15	19.5		
		1	49	18.22	18.18	18.15	19.5		
		25	0	18.07	18.07	18.15	19.5		
		25	12	18.12	18.07	18.15	19.5		
		25	25	18.15	18.07	18.15	19.5		
		50	0	18.07	18.07	18.15	19.5		
		50	50	18.07	18.07	18.15	19.5		
10M	OFDMA	Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
		Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		1	0	18.07	18.07	18.15	19.5		
		1	24	18.18	18.14	18.15	19.5		
		1	49	18.22	18.18	18.15	19.5		
		25	0	18.07	18.07	18.15	19.5		
		25	12	18.12	18.07	18.15	19.5		
		25	25	18.15	18.07	18.15	19.5		
		50	0	18.07	18.07	18.15	19.5		
		50	50	18.07	18.07	18.15	19.5		
20M	OFDMA	Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
		Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		1	0	23.03	22.98	22.91	24.5		
		1	50	23.03	22.98	22.91	24.5		
		1	99	23.06	23.08	23.07	24.5		
		25	0	21.00	21.00	21.07	23.5		
		25	50	21.00	21.00	21.07	23.5		
		25	25	22.05	22.05	22.07	23.5		
		50	0	22.00	22.00	22.00	23.5		
		50	50	22.00	22.00	22.00	23.5		
10M	OFDMA	Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
		Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		1	37	22.70	22.66	22.66	24.5		
		1	74	22.60	22.53	22.64	24.5		
		36	0	21.03	21.00	21.03	24.5		
		36	19	22.02	22.00	22.03	23.5		
		36	39	22.00	22.11	21.98	23.5		
		75	0	21.03	21.07	21.00	23.5		
		1	0	21.07	21.08	21.00	23.5		
		1	74	22.70	22.67	22.69	23.5		
5M	OFDMA	Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
		Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		1	34	22.20	22.27	22.24	23.5		
		1	69	22.21	22.25	22.20	23.5		
		25	0	20.88	20.87	20.84	22.5		
		25	12	21.02	21.00	21.07	23.5		
		25	25	21.02	21.00	21.07	23.5		
		50	0	21.02	21.00	21.07	23.5		
		50	50	21.02	21.00	21.07	23.5		
		100	0	21.02	21.00	21.07	23.5		
20M	OFDMA	Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
		Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		1	0	18.07	18.07	18.15	19.5		
		1	24	18.18	18.14	18.15	19.5		
		1	49	18.22	18.18	18.15	19.5		
		25	0	18.07	18.07	18.15	19.5		
		25	12	18.12	18.07	18.15	19.5		
		25	25	18.15	18.07	18.15	19.5		
		50	0	18.07	18.07	18.15	19.5		
		50	50	18.07	18.07	18.15	19.5		
10M	OFDMA	Channel	20MHz	20MHz	20MHz	20MHz	Max. Throughput (Mbps)		
		Frequency (MHz)	1710.1	1710.1	1710.1	1710.1	25.5		
		1	0	18.07	18.07	18.15	19.5		
		1	24	18.18	18.14	18.15	19.5		
		1	49	18.22	18.18	18.15	19.5		
		25	0	18.07	18.07	18.15	19.5		
		25	12	18.12	18.07	18.15	19.5		

LTE Band 12 (An2)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (MHz)		
		Channel	2380	2385	2390				
5M	QPSK	Frequency (MHz)	784	787.5	791	795	Max. Time-up (MHz)		
		1	0	24.10	24.20	24.21	25.0		
		1	24	24.20	24.24	24.22	25.0		
		1	49	24.10	24.11	24.08	25.0		
		25	0	23.20	23.21	23.19	24.0		
	16QAM	25	25	23.20	23.22	23.18	24.0		
		50	0	23.25	23.30	23.28	24.0		
		1	0	23.30	23.45	23.38	24.0		
		1	24	23.34	23.48	23.42	24.0		
		49	23.37	23.41	23.31	23.31	24.0		
10M	QPSK	25	0	22.22	22.29	22.22	23.0		
		25	12	22.30	22.32	22.19	23.0		
		25	22	22.24	22.22	22.10	23.0		
		50	0	22.27	22.31	22.10	23.0		
		1	0	22.44	22.44	22.34	23.0		
	16QAM	50	24	22.40	22.47	22.36	23.0		
		1	49	22.50	22.50	22.50	23.0		
		25	12	22.10	22.11	22.10	22.0		
		25	25	22.10	22.14	22.14	22.0		
		25	25	21.50	21.53	21.51	22.0		
20M	QPSK	60	0	21.26	21.31	21.28	22.0		
		1	0	19.34	19.31	19.45	20.0		
		1	24	19.37	19.36	19.39	20.0		
		49	19.23	19.34	19.33	20.0			
		25	0	18.22	18.24	18.24	20.0		
	16QAM	25	12	18.30	18.34	18.30	20.0		
		50	0	18.34	18.30	18.30	20.0		
		25	12	18.37	18.26	18.25	20.0		
		50	0	18.33	18.26	18.23	20.0		
		50	0	18.33	18.26	18.23	20.0		
5M	QPSK	Channel	2380	2385	2390	2410	Max. Time-up (MHz)		
		Frequency (MHz)	784.5	787.5	790.5				
		1	0	24.04	24.08	24.12	25.0		
		1	12	24.02	24.04	24.13	25.0		
		1	24	23.98	24.04	24.04	25.0		
	16QAM	12	0	23.08	23.19	23.18	24.0		
		12	6	23.12	23.23	23.03	24.0		
		12	13	23.17	23.26	23.30	24.0		
		25	0	23.18	23.13	23.18	24.0		
		25	24	23.14	23.12	23.20	24.0		
10M	QPSK	1	12	23.43	23.36	23.43	24.0		
		24	23	23.33	23.16	23.16	24.0		
		0	22.11	22.26	22.14	23.0			
		6	22.29	22.07	22.13	23.0			
		12	13	22.30	22.45	22.28	23.0		
	16QAM	25	0	22.13	22.08	22.05	23.0		
		1	0	20.00	20.00	20.00	21.0		
		1	24	22.27	22.16	22.25	23.0		
		12	0	21.00	21.15	21.12	22.0		
		12	6	21.04	21.08	21.02	22.0		
20M	QPSK	12	13	21.02	21.09	21.07	22.0		
		25	0	20.00	20.10	20.00	22.0		
		1	12	20.13	20.31	20.25	23.0		
		24	13	20.12	20.20	20.21	23.0		
		12	6	19.10	19.26	19.17	20.0		
	16QAM	12	13	19.22	19.17	19.21	20.0		
		25	0	18.00	18.15	18.22	20.0		
		1	12	18.23	18.34	18.33	20.0		
		1	24	18.10	18.10	18.20	20.0		
		12	0	17.00	17.10	17.10	19.0		
5M	QPSK	Channel	2380	2385	2390	2410	Max. Time-up (MHz)		
		Frequency (MHz)	784.5	787.5	790.5				
		1	0	24.00	24.00	24.11	25.0		
		1	7	24.08	24.06	24.11	25.0		
		1	14	23.99	24.04	24.04	25.0		
	16QAM	8	0	23.11	23.20	23.08	24.0		
		8	7	23.00	23.10	23.00	24.0		
		15	0	23.01	23.12	23.18	24.0		
		1	7	23.33	23.33	23.43	24.0		
		1	14	23.34	23.16	23.17	24.0		
10M	QPSK	8	0	22.00	22.10	22.07	23.0		
		15	0	22.10	22.13	22.14	23.0		
		1	0	22.37	22.38	22.31	23.0		
		1	7	22.38	22.46	22.34	23.0		
		1	14	22.36	22.46	22.34	23.0		
	16QAM	8	0	21.18	21.20	21.09	22.0		
		8	7	21.04	21.12	21.02	22.0		
		8	7	21.10	21.16	21.13	22.0		
		15	0	21.12	21.17	21.10	22.0		
		15	0	21.24	21.00	21.00	22.0		
20M	QPSK	1	7	21.30	21.30	21.40	22.0		
		1	14	21.10	21.10	21.20	22.0		
		8	0	19.10	19.22	19.22	20.0		
		8	3	19.27	19.12	19.27	20.0		
		15	0	19.20	19.24	19.16	20.0		
	16QAM	1	0	19.00	19.12	19.07	20.0		
		8	0	19.01	19.21	19.16	20.0		
		15	0	19.20	19.24	19.16	20.0		
		1	7	19.30	19.30	19.24	20.0		
		1	14	19.10	19.10	19.20	20.0		
5M	QPSK	Channel	2380	2385	2390	2410	Max. Time-up (MHz)		
		Frequency (MHz)	784.5	787.5	790.5				
		1	0	24.00	24.00	24.11	25.0		
		1	2	24.10	24.20	24.24	25.0		
		1	5	23.97	23.97	23.95	25.0		
	16QAM	3	0	23.87	23.93	23.99	25.0		
		3	1	24.00	24.05	23.99	25.0		
		6	0	23.88	23.98	23.91	24.0		
		3	1	23.29	23.44	23.38	24.0		
		3	8	23.38	23.48	23.48	24.0		
10M	QPSK	1	5	23.31	23.25	23.27	24.0		
		3	0	23.01	23.06	22.99	24.0		
		3	1	23.00	22.81	22.92	24.0		
		3	3	22.83	23.03	22.94	24.0		
		6	0	23.13	23.20	23.20	24.0		
	16QAM	1	0	22.00	22.00	22.00	23.0		
		1	2	22.41	22.37	22.24	23.0		
		1	5	22.10	22.16	22.17	23.0		
		3	0	22.10	22.10	22.10	23.0		
		3	1	22.07	22.02	22.05	23.0		
20M	QPSK	3	1	22.04	21.93	21.93	23.0		
		6	0	21.00	21.00	21.18	22.0		
		6	0	21.13	21.13	21.13	22.0		
		1	2	19.28	19.31	19.35	20.0		
		1	5	19.08	19.22	19.20	20.0		
	16QAM	1	2	19.12	19.18	19.20	20.0		
		3	1	19.27	19.20	19.26	20.0		
		3	1	19.28	19.19	19.23	20.0		
		3	1	19.27	19.27	19.27	20.0		
		3	1	19.27	19.27	19.27	20.0		

LTE Band 40 (Axi4)										
BW	Modulation	RB Size	RB Offset	Channel	RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)
OFDM	QPSK	1	0	23.62	23.47	23.74	24.5			
		1	50	23.71	23.56	23.86	24.5			
		1	99	23.67	23.54	23.76	24.5			
		50	0	22.74	22.59	22.89	23.5			
		50	50	22.76	22.59	22.91	23.5			
		100	0	22.25	22.08	22.43	23.5			
		100	50	22.41	22.24	22.56	23.5			
		1	50	22.62	22.42	22.74	23.5			
		1	99	22.64	22.49	22.72	23.5			
		50	0	21.76	21.58	21.87	22.5			
OFDM	16QAM	1	0	21.79	21.62	21.82	22.5			
		1	50	21.74	21.53	21.88	22.5			
		1	99	21.79	21.54	21.89	22.5			
		50	0	20.77	20.49	20.84	21.5			
		50	50	20.76	20.49	20.85	21.5			
		100	0	20.26	20.06	20.26	21.5			
		100	50	20.35	20.07	20.63	21.5			
		1	50	20.51	20.24	20.78	21.5			
		1	99	20.51	20.24	20.78	21.5			
		50	0	19.78	19.53	19.86	19.5			
OFDM	64QAM	1	0	19.71	19.60	19.80	19.5			
		1	99	19.69	19.61	19.83	19.5			
		50	0	18.67	18.55	18.86	19.5			
		50	50	18.62	18.65	18.88	19.5			
		100	0	18.50	18.64	18.92	19.5			
		100	50	18.78	18.53	18.86	19.5			
OFDM	256QAM	1	0	18.51	18.59	18.62	18.5			
		1	99	18.51	18.59	18.62	18.5			
		50	0	17.58	17.58	17.58	18.5			
		50	50	17.58	17.58	17.58	18.5			
		100	0	17.58	17.58	17.58	18.5			
		100	50	17.58	17.58	17.58	18.5			
OFDM	512QAM	1	0	17.58	17.58	17.58	18.5			
		1	99	17.58	17.58	17.58	18.5			
		50	0	16.58	16.58	16.58	18.5			
		50	50	16.58	16.58	16.58	18.5			
		100	0	16.58	16.58	16.58	18.5			
		100	50	16.58	16.58	16.58	18.5			
OFDM	1024QAM	1	0	16.58	16.58	16.58	18.5			
		1	99	16.58	16.58	16.58	18.5			
		50	0	15.58	15.58	15.58	18.5			
		50	50	15.58	15.58	15.58	18.5			
		100	0	15.58	15.58	15.58	18.5			
		100	50	15.58	15.58	15.58	18.5			

LTE Band 66 (Axi1)										
BW	Modulation	RB Size	RB Offset	Channel	RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)
OFDM	QPSK	1	0	23.42	23.38	23.38	24.5			
		1	50	23.44	23.43	23.39	24.5			
		1	99	23.48	23.48	23.43	24.5			
		50	0	22.41	22.40	22.37	23.5			
		50	50	22.42	22.40	22.37	23.5			
		100	0	22.30	22.31	22.43	23.5			
		100	50	22.30	22.31	22.43	23.5			
		1	50	22.38	22.37	22.48	23.5			
		1	99	22.38	22.38	22.43	23.5			
		50	0	21.43	21.43	21.43	22.5			
OFDM	16QAM	1	0	21.43	21.43	21.43	22.5			
		1	50	21.41	21.46	21.52	22.5			
		1	99	21.50	21.50	21.46	22.5			
		50	0	20.42	20.39	20.38	21.5			
		50	50	20.42	20.39	20.44	21.5			
		100	0	20.33	20.33	20.41	21.5			
		100	50	20.33	20.33	20.41	21.5			
		1	50	20.38	20.38	20.47	21.5			
		1	99	20.38	20.38	20.47	21.5			
		50	0	19.48	19.48	19.50	19.5			
OFDM	64QAM	1	0	19.48	19.48	19.48	19.5			
		1	99	19.48	19.48	19.48	19.5			
		50	0	18.54	18.58	18.48	19.5			
		50	50	18.54	18.58	18.48	19.5			
		100	0	18.54	18.58	18.48	19.5			
		100	50	18.54	18.58	18.48	19.5			
OFDM	256QAM	1	0	18.54	18.48	18.35	19.5			
		1	99	18.54	18.48	18.35	19.5			
		50	0	17.54	17.54	17.54	19.5			
		50	50	17.54	17.54	17.54	19.5			
		100	0	17.54	17.54	17.54	19.5			
		100	50	17.54	17.54	17.54	19.5			
OFDM	512QAM	1	0	17.54	17.54	17.54	19.5			
		1	99	17.54	17.54	17.54	19.5			
		50	0	16.54	16.54	16.54	19.5			
		50	50	16.54	16.54	16.54	19.5			
		100	0	16.54	16.54	16.54	19.5			
		100	50	16.54	16.54	16.54	19.5			
OFDM	1024QAM	1	0	16.54	16.54	16.54	19.5			
		1	99	16.54	16.54	16.54	19.5			
		50	0	15.54	15.54	15.54	19.5			
		50	50	15.54	15.54	15.54	19.5			
		100	0	15.54	15.54	15.54	19.5			
		100	50	15.54	15.54	15.54	19.5			

LTE Band 66 (Axi1)										
BW	Modulation	RB Size	RB Offset	Channel	RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)
OFDM	QPSK	1	0	23.13	23.13	23.13	24.5			
		1	50	23.09	23.09	23.11	24.5			
		1	99	23.16	23.16	23.16	24.5			
		50	0	22.01	22.01	22.10	23.5			
		50	50	22.02	22.01	22.10	23.5			
		100	0	22.08	22.08	22.12	23.5			
		100	50	22.08	22.08	22.12	23.5			
		1	50	22.16	22.16	22.16	23.5			
		1	99	22.16	22.16	22.16	23.5			
		50	0	21.16	21.16	21.16	22.5			
OFDM	16QAM	1	0	21.16	21.16	21.16	22.5			
		1	50	21.17	21.21	21.19	22.5			
		1	99	21.16	21.25	21.25	22.5			
		50	0	20.12	20.07	20.25	21.5			
		50	50	20.12	20.07	20.25	21.5			
		100	0	20.07	20.12	20.21	21.5			
		100	50	20.07	20.12	20.21	21.5			
		1	50	20.07	20.12	20.21	21.5			
		1	99	20.07	20.12	20.21	21.5			
		50	0	19.07	19.07	19.07	19.5			
OFDM	64QAM	1	0	19.07	19.07	19.07	19.5			
		1	99	19.07	19.07	19.07	19.5			
		50	0	18.07	18.07	18.07	19.5			
		50	50	18.07	18.07	18.07	19.5			
		100	0	18.07	18.07	18.07	19.5			
		100	50	18.07	18.07	18.07	19.5			
OFDM	256QAM	1	0	18.07	18.07	18.07	19.5			
		1	99	18.07	18.07	18.07	19.5			
		50	0	17.07	17.07	17.07	19.5			
		50	50	17.07	17.07	17.07	19.5			
		100	0	17.07	17.07	17.07	19.5			
		100	50	17.07	17.07	17.07	19.5			
OFDM	512QAM	1	0	17.07	17.07	17.07	19.5			
		1	99	17.07	17.07	17.07	19.5			
		50	0	16.07	16.07	16.07	19.5			
		50	50	16.07	16.07	16.07	19.5			

Receiver off_DS14_ENDC

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.44	23.41	23.47	24.5
		1	53	23.36	23.37	23.41	24.5
		1	104	23.38	23.31	23.35	24.5
		50	0	23.47	23.54	23.53	24.5
		50	28	23.46	23.46	23.55	24.5
		50	56	23.60	23.48	23.53	24.5
		100	0	23.48	23.54	23.49	24.5
	DFT-s-OFDM QPSK	1	1	23.61	23.55	23.57	24.5
		1	53	23.46	23.36	23.43	24.5
		1	104	23.11	23.47	23.32	24.5
		50	0	22.98	23.01	22.93	23.5
		50	28	23.58	23.50	23.44	24.5
		50	56	23.04	22.97	22.58	23.5
		100	0	22.98	22.95	22.93	23.5
	DFT-s-OFDM 16QAM	1	1	22.93	22.93	23.19	23.5
	DFT-s-OFDM 64QAM	1	1	21.63	21.65	21.06	22.5
	DFT-s-OFDM 256QAM	1	1	18.99	19.04	19.06	20.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	23.58	23.47	23.48	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.55	23.45	23.44	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	23.57	23.41	23.55	24.5

n2 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.72	23.71	23.64	24.5
		1	53	23.62	23.61	23.61	24.5
		1	104	23.54	23.67	23.66	24.5
		50	0	23.17	23.13	23.07	24.5
		50	28	23.66	23.64	23.61	24.5
		50	56	23.06	23.08	23.11	24.5
		100	0	23.08	23.16	23.12	24.5
	DFT-s-OFDM QPSK	1	1	23.79	23.76	23.75	24.5
		1	53	23.71	23.64	23.72	24.5
		1	104	23.64	23.65	23.40	24.5
		50	0	22.69	22.64	22.64	23.5
		50	28	23.71	23.69	23.68	24.5
		50	56	22.67	22.54	22.66	23.5
		100	0	22.67	22.65	22.61	23.5
	DFT-s-OFDM 16QAM	1	1	22.81	22.85	22.76	23.5
	DFT-s-OFDM 64QAM	1	1	21.37	21.38	21.28	22.5
	DFT-s-OFDM 256QAM	1	1	19.39	19.36	19.31	20.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	23.75	23.72	23.70	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.73	23.73	23.71	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	23.71	23.74	23.72	24.5

n5 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.42	23.38	23.46	24.5
		1	53	23.48	23.51	23.45	24.5
		1	104	23.40	23.53	23.41	24.5
		50	0	23.51	23.58	23.52	24.5
		50	28	23.43	23.55	23.52	24.5
		50	56	23.50	23.53	23.56	24.5
		100	0	23.47	23.56	23.57	24.5
	DFT-s-OFDM QPSK	1	1	23.57	23.64	23.55	24.5
		1	53	23.38	23.42	23.48	24.5
		1	104	23.41	23.43	23.42	24.5
		50	0	23.52	23.58	23.50	24.5
		50	28	23.46	23.59	23.49	24.5
		50	56	23.53	23.61	23.51	24.5
		100	0	23.50	23.57	23.54	24.5
	DFT-s-OFDM 16QAM	1	1	23.32	23.43	23.39	24.5
	DFT-s-OFDM 64QAM	1	1	21.68	22.15	22.04	22.5
	DFT-s-OFDM 256QAM	1	1	19.98	19.53	19.54	20.5
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	1	1	23.49	23.62	23.53	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.50	23.55	23.44	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.43	23.51	23.52	24.5

n48 (SCS 30 kHz) (Ant4)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	23.47	23.83	24.05	24.5
		1	53	23.56	23.91	24.04	24.5
		1	104	23.70	24.11	24.09	24.5
		50	0	23.63	23.93	24.10	24.5
		50	28	23.63	23.95	24.09	24.5
		50	56	23.70	23.98	24.13	24.5
		100	0	23.61	23.91	24.09	24.5
	DFT-s-OFDM QPSK	1	1	23.71	24.12	24.16	24.5
		1	53	23.52	23.86	24.03	24.5
		1	104	23.68	23.97	24.05	24.5
		50	0	23.62	23.96	24.11	24.5
		50	28	23.57	23.93	24.04	24.5
		50	56	23.61	23.92	24.07	24.5
		100	0	23.59	23.92	23.96	24.5
	DFT-s-OFDM 16QAM	1	53	23.58	23.86	24.02	24.5
	DFT-s-OFDM 64QAM	1	53	23.36	23.59	23.60	24
	DFT-s-OFDM 256QAM	1	53	22.05	22.20	22.35	23
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	23.60	24.05	24.01	24.5
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	23.63	24.00	24.08	24.5

n66 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM P/2 BPSK	1	1	23.43	23.44	23.41	24.5
		1	108	23.47	23.36	23.37	24.5
		1	214	23.42	23.29	23.24	24.5
		108	0	23.21	22.80	22.57	24
		108	54	23.01	22.88	23.51	24.5
		108	108	23.12	22.47	22.41	24
	DFT-s-OFDM QPSK	216	0	23.09	22.50	22.50	24
		1	1	23.51	23.54	23.33	24.5
		1	108	23.47	23.34	23.27	24.5
		1	214	23.39	23.31	23.18	24.5
		108	0	22.58	22.57	22.43	23.5
		108	54	23.25	23.49	23.30	24.5
	DFT-s-OFDM 16QAM	108	108	22.67	22.57	22.30	23.5
		216	0	22.51	22.56	22.35	23.5
		1	1	22.45	22.07	22.63	23.5
		1	1	21.18	20.94	20.53	22
		1	1	18.45	18.86	18.43	20
		1	1	18.45	18.86	18.43	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.21	23.36	23.46	24.5
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	23.37	23.24	23.15	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.29	23.41	23.35	24.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	23.18	23.27	23.17	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.09	23.22	23.31	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.23	23.41	23.36	24.5

n66 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM P/2 BPSK	1	1	22.99	23.07	23.09	24.5
		1	108	23.02	23.04	23.01	24.5
		1	214	23.06	23.02	22.93	24.5
		108	0	22.61	22.65	22.54	24
		108	54	23.01	23.04	22.98	24.5
		108	108	22.50	22.46	22.48	24
	DFT-s-OFDM QPSK	216	0	22.54	22.51	22.54	24
		1	1	23.07	23.28	23.02	24.5
		1	108	23.02	23.05	23.01	24.5
		1	214	23.06	22.96	23.00	24.5
		108	0	22.06	22.10	22.15	23.5
		108	54	22.97	23.13	23.00	24.5
	DFT-s-OFDM 16QAM	108	108	22.02	22.02	21.94	23.5
		216	0	22.11	22.15	22.04	23.5
		1	1	22.11	22.14	22.16	23.5
		1	1	20.62	20.73	20.62	22
		1	1	18.47	18.52	18.46	20
		1	1	18.47	18.52	18.46	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.08	23.11	23.25	24.5
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	23.02	23.14	23.22	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.03	23.09	23.20	24.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	23.06	23.12	23.19	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.09	23.10	23.18	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.10	23.14	23.20	24.5

n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		23.10		24.5
		1	137		22.95		24.5
		1	271		22.94		24.5
		135	0		23.07		24.5
		135	69		23.04		24.5
		135	138		23.00		24.5
	DFT-s-OFDM QPSK	270	0		23.03		24.5
		1	1		23.18		24.5
		1	137		22.99		24.5
		1	271		22.98		24.5
		135	0		23.08		24.5
		135	69		23.04		24.5
		135	138		23.10		24.5
		270	0		23.05		24.5
	DFT-s-OFDM 16QAM	1	1		23.07		24.5
	DFT-s-OFDM 64QAM	1	1		22.75		23.5
	DFT-s-OFDM 256QAM	1	1		21.12		22
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	23.09	23.16	23.14	24.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	23.05	23.05	22.99	24.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	23.03	23.03	23.02	24.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	23.07	23.02	23.05	24.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	23.03	23.02	23.10	24.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	23.00	23.10	23.02	24.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	22.96	23.07	23.12	24.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	22.96	23.07	23.08	24.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	23.01	23.14	22.99	24.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	22.94	23.03	23.06	24.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	22.85	22.83	22.76	24.5

n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3760	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	23.28	23.75	23.84	24.5
		1	137	23.25	23.29	23.76	24.5
		1	271	23.31	23.55	23.91	24.5
		135	0	23.26	23.39	23.70	24.5
		135	69	23.29	23.47	23.75	24.5
		135	138	23.34	23.42	23.83	24.5
	DFT-s-OFDM QPSK	270	0	23.28	23.38	23.74	24.5
		1	1	23.35	23.92	23.95	24.5
		1	137	23.25	23.75	23.72	24.5
		1	271	23.27	23.80	23.82	24.5
		135	0	23.23	23.70	23.74	24.5
		135	69	23.28	23.69	23.71	24.5
		135	138	23.29	23.77	23.82	24.5
		270	0	23.24	23.73	23.77	24.5
	DFT-s-OFDM 16QAM	1	1	23.26	23.43	23.37	24.5
	DFT-s-OFDM 64QAM	1	1	23.27	23.25	23.30	23.5
	DFT-s-OFDM 256QAM	1	1	21.88	21.48	21.51	22
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	23.34	23.90	23.91	24.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	23.32	23.85	23.92	24.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	23.25	23.76	23.79	24.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	23.28	23.76	23.84	24.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	23.31	23.80	23.86	24.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	23.19	23.88	23.93	24.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	23.24	23.83	23.93	24.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	23.31	23.78	23.87	24.5
BW	MCS Index	Channel		647168	656000	664932	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	23.25	23.75	23.80	24.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	23.20	23.77	23.81	24.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	23.33	23.54	23.62	24.5

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		26.13		27.5
		1	137		25.89		27.5
		1	271		25.96		27.5
		135	0		25.50		27
		135	69		25.97		27.5
		135	138		25.45		27
	DFT-s-OFDM QPSK	270	0		25.49		27
		1	1		26.18		27.5
		1	137		25.82		27.5
		1	271		25.91		27.5
		135	0		25.11		26.5
		135	69		25.95		27.5
		135	138		24.92		26.5
		270	0		25.05		26.5
	DFT-s-OFDM 16QAM	1	1		24.98		26.5
	DFT-s-OFDM 64QAM	1	1		23.49		25
	DFT-s-OFDM 256QAM	1	1		21.44		23
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	26.16	26.14	26.12	27.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	26.08	26.07	26.02	27.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	26.02	26.08	26.07	27.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	26.10	26.13	25.99	27.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	26.15	26.12	26.07	27.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	26.14	26.13	26.02	27.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	26.13	26.12	26.00	27.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	26.06	26.03	26.06	27.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	26.01	26.10	26.02	27.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	26.04	26.08	25.99	27.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	25.93	26.07	25.85	27.5

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3760	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	26.43	26.51	26.82	27.5
		1	137	26.28	26.36	26.79	27.5
		1	271	26.40	26.61	26.76	27.5
		135	0	25.80	25.83	26.22	27
		135	69	26.27	26.32	26.60	27.5
		135	138	25.93	26.00	26.41	27
	DFT-s-OFDM QPSK	270	0	25.88	25.97	26.30	27
		1	1	26.50	26.67	26.96	27.5
		1	137	26.33	26.41	26.75	27.5
		1	271	26.40	26.61	26.95	27.5
		135	0	25.41	25.57	25.73	26.5
		135	69	26.31	26.40	26.78	27.5
		135	138	25.43	25.68	25.90	26.5
		270	0	25.32	25.46	25.78	26.5
	DFT-s-OFDM 16QAM	1	1	25.23	25.53	25.50	26.5
	DFT-s-OFDM 64QAM	1	1	23.48	23.49	23.81	25
	DFT-s-OFDM 256QAM	1	1	21.20	21.36	21.53	23
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	26.37	26.62	26.89	27.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	26.48	26.58	26.87	27.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	26.40	26.57	26.85	27.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	26.45	26.58	26.88	27.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	26.46	26.52	26.81	27.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	26.40	26.52	26.82	27.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	26.43	26.57	26.87	27.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	26.48	26.65	26.90	27.5
BW	MCS Index	Channel		647168	656000	664932	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	26.49	26.62	26.82	27.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	26.48	26.65	26.91	27.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	26.39	26.55	26.78	27.5

Receiver off_DS14_ENDC

CA_R8 (Ant1)											
Combination 10MHz+10MHz (40RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
20450	829	20549	838.9	QPSK	1	49	1	0	24.87	24.5	24.5
				16QAM	1	49	1	0	23.97	24.5	24.5
				64QAM	1	49	1	0	21.35	23.5	23.5
				256QAM	1	49	1	0	19.93	20.5	20.5
				QPSK	1	49	1	0	24.81	24.5	24.5
20476	831.6	20575	841.5	16QAM	1	49	1	0	23.92	24.5	24.5
				64QAM	1	49	1	0	21.30	23.5	23.5
				256QAM	1	49	1	0	19.96	20.5	20.5
				QPSK	1	49	1	0	24.74	24.5	24.5
				16QAM	1	49	1	0	23.91	24.5	24.5
20501	834.1	20600	844	64QAM	1	49	1	0	21.37	23.5	23.5
				256QAM	1	49	1	0	19.95	20.5	20.5
				QPSK	1	49	1	0	24.82	24.5	24.5
				16QAM	1	49	1	0	23.96	24.5	24.5
				64QAM	1	49	1	0	21.27	23.5	23.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
20450	829	20522	836.2	QPSK	1	49	1	0	24.79	24.5	24.5
				16QAM	1	49	1	0	23.91	24.5	24.5
				64QAM	1	49	1	0	21.21	23.5	23.5
				256QAM	1	49	1	0	19.81	20.5	20.5
				QPSK	1	49	1	0	24.82	24.5	24.5
20500	834	20572	841.2	16QAM	1	49	1	0	23.96	24.5	24.5
				64QAM	1	49	1	0	21.26	23.5	23.5
				256QAM	1	49	1	0	19.90	20.5	20.5
				QPSK	1	49	1	0	24.85	24.5	24.5
				16QAM	1	49	1	0	23.85	24.5	24.5
20550	839	20622	846.2	64QAM	1	49	1	0	21.28	23.5	23.5
				256QAM	1	49	1	0	19.88	20.5	20.5
				QPSK	1	49	1	0	24.80	24.5	24.5
				16QAM	1	49	1	0	23.82	24.5	24.5
				64QAM	1	49	1	0	19.86	20.5	20.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
20428	828.9	20500	834	QPSK	1	24	1	0	24.77	24.5	24.5
				16QAM	1	24	1	0	23.83	24.5	24.5
				64QAM	1	24	1	0	21.19	23.5	23.5
				256QAM	1	24	1	0	19.79	20.5	20.5
				QPSK	1	24	1	0	24.65	24.5	24.5
20478	831.8	20550	839	16QAM	1	24	1	0	23.96	24.5	24.5
				64QAM	1	24	1	0	21.11	23.5	23.5
				256QAM	1	24	1	0	19.89	20.5	20.5
				QPSK	1	24	1	0	24.80	24.5	24.5
				16QAM	1	24	1	0	23.79	24.5	24.5
20528	836.8	20600	844	64QAM	1	24	1	0	21.25	23.5	23.5
				256QAM	1	24	1	0	19.88	20.5	20.5
				QPSK	1	24	1	0	24.80	24.5	24.5
				16QAM	1	24	1	0	23.79	24.5	24.5
				64QAM	1	24	1	0	21.25	23.5	23.5
Combination 3MHz+5MHz (25RB+15RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
20425	826.5	20464	830.4	QPSK	1	24	1	0	24.83	24.5	24.5
				16QAM	1	24	1	0	23.94	24.5	24.5
				64QAM	1	24	1	0	21.26	23.5	23.5
				256QAM	1	24	1	0	19.73	20.5	20.5
				QPSK	1	24	1	0	24.85	24.5	24.5
20510	836	20540	838.9	16QAM	1	24	1	0	23.95	24.5	24.5
				64QAM	1	24	1	0	21.16	23.5	23.5
				256QAM	1	24	1	0	19.86	20.5	20.5
				QPSK	1	24	1	0	24.89	24.5	24.5
				16QAM	1	24	1	0	23.87	24.5	24.5
20595	843.5	20634	847.4	64QAM	1	24	1	0	21.20	23.5	23.5
				256QAM	1	24	1	0	19.74	20.5	20.5
				QPSK	1	24	1	0	24.80	24.5	24.5
				16QAM	1	24	1	0	23.82	24.5	24.5
				64QAM	1	24	1	0	21.25	23.5	23.5
Combination 5MHz+10MHz (15RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
20416	825.6	20455	829.5	QPSK	1	14	1	0	24.80	24.5	24.5
				16QAM	1	14	1	0	23.89	24.5	24.5
				64QAM	1	14	1	0	21.15	23.5	23.5
				256QAM	1	14	1	0	19.87	20.5	20.5
				QPSK	1	14	1	0	24.58	24.5	24.5
20501	834.1	20540	838	16QAM	1	14	1	0	23.88	24.5	24.5
				64QAM	1	14	1	0	21.01	23.5	23.5
				256QAM	1	14	1	0	19.82	20.5	20.5
				QPSK	1	14	1	0	24.57	24.5	24.5
				16QAM	1	14	1	0	23.73	24.5	24.5
20586	842.6	20625	846.5	64QAM	1	14	1	0	21.25	23.5	23.5
				256QAM	1	14	1	0	19.86	20.5	20.5
				QPSK	1	14	1	0	24.80	24.5	24.5
				16QAM	1	14	1	0	23.82	24.5	24.5
				64QAM	1	14	1	0	21.25	23.5	23.5

CA_R66 (Ant1)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
130022	1715	132121	1724.9	QPSK	1	49	1	0	23.86	24.5	24.5
				16QAM	1	49	1	0	23.96	24.5	24.5
				64QAM	1	49	1	0	21.73	22.5	22.5
				256QAM	1	49	1	0	19.11	19.5	19.5
				QPSK	1	49	1	0	23.92	24.5	24.5
132373	1750.1	132472	1760	16QAM	1	49	1	0	23.25	23.5	23.5
				64QAM	1	49	1	0	21.69	22.5	22.5
				256QAM	1	49	1	0	19.84	19.5	19.5
				QPSK	1	49	1	0	23.78	24.5	24.5
				16QAM	1	49	1	0	23.21	23.5	23.5
132623	1765.1	132622	1775	64QAM	1	49	1	0	21.63	22.5	22.5
				256QAM	1	49	1	0	19.12	19.5	19.5
				QPSK	1	49	1	0	23.82	24.5	24.5
				16QAM	1	49	1	0	23.71	24.5	24.5
				64QAM	1	49	1	0	21.62	22.5	22.5
Combination 10MHz+5MHz (75RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
132047	1717.5	132145	1726.8	QPSK	1	74	1	0	23.75	24.5	24.5
				16QAM	1	74	1	0	23.16	23.5	23.5
				64QAM	1	74	1	0	21.58	22.5	22.5
				256QAM	1	74	1	0	19.91	19.5	19.5
				QPSK	1	74	1	0	23.71	24.5	24.5
132388	1752.6	132491	1761.9	16QAM	1	74	1	0	23.06	23.5	23.5
				64QAM	1	74	1	0	21.50	22.5	22.5
132649	1767.7	132642	1777	256QAM	1	74	1	0	19.93	19.5	19.5
				QPSK	1	74	1	0	23.80	24.5	24.5
				16QAM	1	74	1	0	23.20	23.5	23.5
				64QAM	1	74	1	0	21.44	22.5	22.5
				256QAM	1	74	1	0	19.93	19.5	19.5
Combination 10MHz+5MHz (25RB+75RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
130022	1715	132086	1723.9	QPSK	1	24	1	0	23.74	24.5	24.5
				16QAM	1	24	1	0	23.14	23.5	23.5
				64QAM	1	24	1	0	21.84	22.5	22.5
				256QAM	1	24	1	0	19.91	19.5	19.5
				QPSK	1	24	1	0	23.78	24.5	24.5
132353	1748.1	132446	1757.4	16QAM	1	24	1	0	23.10	23.5	23.5
				64QAM	1	24	1	0	21.45	22.5	22.5
132654	1763.2	132657	1772.6	256QAM	1	24	1	0	19.87	19.5	19.5
				QPSK	1	24	1	0	23.52	24.5	24.5
				16QAM	1	24	1	0	23.28	23.5	23.5
				64QAM	1	24	1	0	21.38	22.5	22.5
				256QAM	1	24	1	0	19.92	19.5	19.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
130022	1715	132096	1722.2	QPSK	1	49	1	0	23.63	24.5	24.5
				16QAM	1	49	1	0	23.23	23.5	23.5
				64QAM	1	49	1	0	21.37	22.5	22.5
				256QAM	1	49	1	0	19.99	19.5	19.5
				QPSK	1	49	1	0	23.67	24.5	24.5
132397	1752.6	132469	1759.7	16QAM	1	49	1	0	23.13	23.5	23.5
				64QAM	1	49	1	0	21.54	22.5	22.5
132672	1770	132648	1777.2	256QAM	1	49	1	0	19.74	19.5	19.5
				QPSK	1	49	1	0	23.67	24.5	24.5
				16QAM	1	49	1	0	23.05	23.5	23.5
				64QAM	1	49	1	0	21.44	22.5	22.5
				256QAM	1	49	1	0	19.83	19.5	19.5
Combination 5MHz+5MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
132000	1712.8	132072	1720	QPSK	1	24	1	0	23.65	24.5	24.5
				16QAM	1	24	1	0	23.11	23.5	23.5
				64QAM	1	24	1	0	21.52	22.5	22.5
				256QAM	1	24	1	0	19.93	19.5	19.5
				QPSK	1	24	1	0	23.74	24.5	24.5
132373	1750.3	132447	1757.6	16QAM	1	24	1	0	23.03	23.5	23.5
				64QAM	1	24	1	0	21.54	22.5	22.5
132690	1767.8	132622	1775	256QAM	1	24	1	0	19.79	19.5	19.5
				QPSK	1	24	1	0	23.63	24.5	24.5
				16QAM	1	24	1	0	23.09	23.5	23.5
				64QAM	1	24	1	0	21.46	22.5	22.5
				256QAM	1	24	1	0	19.97	19.5	19.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
131997	1712.5	132045	1717.3	QPSK	1	24	1	0	23.60	24.5	24.5
				16QAM	1	24	1	0	23.06	23.5	23.5
				64QAM	1	24	1	0	21.47	22.5	22.5
				256QAM	1	24	1	0	19.91	19.5	19.5
				QPSK	1	24	1	0	23.74	24.5	24.5
132398	1753.5	132446	1762.3	16QAM	1	24	1	0	23.03	23.5	23.5
				64QAM	1	24	1	0	21.48	22.5	22.5
132699	1772.7	132647	1777.6	256QAM	1	24	1	0	19.73	19.5	19.5
				QPSK	1	24	1	0	23.67	24.5	24.5
				16QAM	1	24	1	0	23.07	23.5	23.5
				64QAM	1	24	1	0	21.47	22.5	22.5
				256QAM	1	24	1	0	19.90	19.5	19.5

CA 4BC (Am4)									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power
55340	3560	55538	3579.8	QPSK	1	99	1	0	23.89
				16QAM	1	99	1	0	22.89
				64QAM	1	99	1	0	21.89
				256QAM	1	99	1	0	18.89
55891	3615.1	56089	3634.9	QPSK	1	99	1	0	23.95
				16QAM	1	99	1	0	22.95
				64QAM	1	99	1	0	21.95
				256QAM	1	99	1	0	18.95
56442	3670.2	56640	3690	QPSK	1	99	1	0	24.02
				16QAM	1	99	1	0	23.02
				64QAM	1	99	1	0	22.02
				256QAM	1	99	1	0	19.02
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power
55340	3560	55511	3577.1	QPSK	1	99	1	0	23.75
				16QAM	1	99	1	0	22.75
				64QAM	1	99	1	0	21.75
				256QAM	1	99	1	0	18.75
55916	3617.6	56087	3634.7	QPSK	1	99	1	0	23.84
				16QAM	1	99	1	0	22.84
				64QAM	1	99	1	0	21.84
				256QAM	1	99	1	0	18.84
56461	3675.3	56662	3692.3	QPSK	1	99	1	0	23.89
				16QAM	1	99	1	0	22.89
				64QAM	1	99	1	0	22.00
				256QAM	1	99	1	0	18.99
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power
55319	3557.8	55489	3574.9	QPSK	1	74	1	0	23.74
				16QAM	1	74	1	0	22.74
				64QAM	1	74	1	0	21.85
				256QAM	1	74	1	0	18.85
55883	3615.3	56064	3632.4	QPSK	1	74	1	0	23.81
				16QAM	1	74	1	0	22.81
				64QAM	1	74	1	0	21.99
				256QAM	1	74	1	0	18.99
56469	3672.6	56640	3690	QPSK	1	74	1	0	23.87
				16QAM	1	74	1	0	22.89
				64QAM	1	74	1	0	21.99
				256QAM	1	74	1	0	18.99
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power
55340	3560	55484	3574.4	QPSK	1	99	1	0	23.69
				16QAM	1	99	1	0	22.69
				64QAM	1	99	1	0	21.76
				256QAM	1	99	1	0	18.76
55941	3620.1	56082	3634.9	QPSK	1	99	1	0	23.89
				16QAM	1	99	1	0	22.89
				64QAM	1	99	1	0	21.89
				256QAM	1	99	1	0	18.89
56541	3680.1	56680	3694.5	QPSK	1	99	1	0	23.87
				16QAM	1	99	1	0	22.88
				64QAM	1	99	1	0	22.01
				256QAM	1	99	1	0	18.98
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power
55295	3555.9	55439	3569.9	QPSK	1	49	1	0	23.76
				16QAM	1	49	1	0	22.76
				64QAM	1	49	1	0	21.79
				256QAM	1	49	1	0	18.79
55896	3615.6	56040	3630	QPSK	1	49	1	0	23.83
				16QAM	1	49	1	0	22.84
				64QAM	1	49	1	0	21.86
				256QAM	1	49	1	0	18.86
56456	3675.6	56640	3690	QPSK	1	49	1	0	23.89
				16QAM	1	49	1	0	22.89
				64QAM	1	49	1	0	21.92
				256QAM	1	49	1	0	18.97
Combination 20MHz+5MHz (100RB+25RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power
55340	3560	55457	3571.7	QPSK	1	99	1	0	23.77
				16QAM	1	99	1	0	22.78
				64QAM	1	99	1	0	21.87
				256QAM	1	99	1	0	18.78
55965	3622.5	56082	3634.2	QPSK	1	99	1	0	23.91
				16QAM	1	99	1	0	22.97
				64QAM	1	99	1	0	21.88
				256QAM	1	99	1	0	18.78
56590	3685	56707	3695.7	QPSK	1	99	1	0	23.85
				16QAM	1	99	1	0	22.88
				64QAM	1	99	1	0	21.90
				256QAM	1	99	1	0	18.90
Combination 5MHz+20MHz (25RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power
55273	3553.3	55390	3565	QPSK	1	24	1	0	23.66
				16QAM	1	24	1	0	22.75
				64QAM	1	24	1	0	21.77
				256QAM	1	24	1	0	18.79
55898	3615.8	56015	3627.6	QPSK	1	24	1	0	23.82
				16QAM	1	24	1	0	22.82
				64QAM	1	24	1	0	21.88
				256QAM	1	24	1	0	18.88
56523	3678.3	56640	3690	QPSK	1	24	1	0	23.92
				16QAM	1	24	1	0	22.96
				64QAM	1	24	1	0	21.99
				256QAM	1	24	1	0	18.93

CA 4BB (Am4)									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power (dBm)
55290	3555	55389	3564.9	QPSK	1	49	1	0	23.76
				16QAM	1	49	1	0	22.86
				64QAM	1	49	1	0	21.81
				256QAM	1	49	1	0	18.71
55941	3620.1	56140	3640	QPSK	1	49	1	0	23.91
				16QAM	1	49	1	0	22.79
				64QAM	1	49	1	0	21.95
				256QAM	1	49	1	0	18.95
56591	3685.1	56690	3695	QPSK	1	49	1	0	23.90
				16QAM	1	49	1	0	22.89
				64QAM	1	49	1	0	21.93
				256QAM	1	49	1	0	18.89

Receiver on_DS12_ENDC

LTE Band 2 (Aur1)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)	RB Size	RB Offset
		Channel	Frequency (MHz)	1800	1800	1800			
20M	QPSK	1	0	21.23	21.16	21.17	22.5	1	0
		1	50	21.34	21.28	21.26	22.5	1	50
		1	99	21.19	21.14	21.17	22.5	1	99
		50	0	20.23	20.27	20.22	21.5	50	0
		50	50	20.48	20.49	20.39	21.5	50	50
		100	0	20.39	20.18	20.37	21.5	100	0
		100	50	20.43	20.53	20.47	21.5	100	50
		1	99	20.54	20.69	20.58	21.5	1	99
		1	99	20.43	20.50	20.59	21.5	1	99
		1	99	20.36	20.43	20.52	21.5	1	99
20M	16QAM	1	0	18.36	18.36	18.36	22.5	1	0
		50	25	18.36	18.36	18.36	22.5	50	25
		50	50	18.36	18.36	18.36	22.5	50	50
		100	0	18.36	18.36	18.36	22.5	100	0
		100	50	18.36	18.36	18.36	22.5	100	50
		1	0	18.48	18.38	18.32	20.5	1	0
		1	50	19.33	19.31	19.30	20.5	1	50
		50	0	18.31	18.34	18.23	19.5	50	0
		50	25	18.35	18.28	18.23	19.5	50	25
		100	0	18.39	18.26	18.41	19.5	100	0
20M	64QAM	1	0	16.37	16.38	16.41	17.5	1	0
		1	99	16.39	16.38	16.34	17.5	1	99
		50	0	16.36	16.36	16.36	17.5	50	0
		50	25	16.47	16.31	16.35	17.5	50	25
		50	50	16.42	16.40	16.42	17.5	50	50
		100	0	16.33	16.37	16.42	17.5	100	0
		100	50	16.35	16.36	16.36	17.5	100	50
		1	0	16.37	16.37	16.37	17.5	1	0
		1	24	16.31	16.30	16.32	17.5	1	24
		50	0	16.35	16.35	16.35	17.5	50	0
20M	QPSK	Channel	1800	1800	1800	1800	Max. Throughput (Mbps)	Channel	1800
		Frequency (MHz)	1800	1800	1800	1800	Max. Throughput (Mbps)	Frequency (MHz)	1800
		1	37	21.14	21.15	21.16	22.5	1	37
		1	74	21.05	21.11	21.09	22.5	1	74
		50	0	20.24	20.24	20.28	21.5	50	0
		50	50	20.29	20.22	20.26	21.5	50	50
		36	36	20.31	20.24	20.25	21.5	36	36
		75	0	20.34	20.22	20.20	21.5	75	0
		1	0	20.30	20.42	20.33	21.5	1	0
		1	24	20.40	20.40	20.39	21.5	1	24
20M	16QAM	1	0	16.35	16.36	16.36	17.5	1	0
		50	25	16.35	16.36	16.36	17.5	50	25
		50	50	16.35	16.36	16.36	17.5	50	50
		100	0	16.35	16.36	16.36	17.5	100	0
		100	50	16.35	16.36	16.36	17.5	100	50
		1	0	16.37	16.37	16.37	17.5	1	0
		1	24	16.31	16.30	16.32	17.5	1	24
		50	0	16.31	16.30	16.32	17.5	50	0
		50	25	16.31	16.30	16.32	17.5	50	25
		50	50	16.31	16.30	16.32	17.5	50	50
20M	64QAM	1	0	16.38	16.38	16.41	17.5	1	0
		1	24	16.31	16.30	16.32	17.5	1	24
		50	0	16.38	16.38	16.41	17.5	50	0
		50	25	16.38	16.38	16.41	17.5	50	25
		50	50	16.38	16.38	16.41	17.5	50	50
		100	0	16.38	16.38	16.41	17.5	100	0
		100	50	16.38	16.38	16.41	17.5	100	50
		1	0	16.38	16.38	16.41	17.5	1	0
		1	24	16.38	16.38	16.41	17.5	1	24
		50	0	16.38	16.38	16.41	17.5	50	0
20M	QPSK	Channel	1800	1800	1800	1800	Max. Throughput (Mbps)	Channel	1800
		Frequency (MHz)	1800	1800	1800	1800	Max. Throughput (Mbps)	Frequency (MHz)	1800
		1	0	21.22	21.04	21.19	22.5	1	0
		1	48	21.16	21.13	21.14	22.5	1	48
		25	0	20.12	20.11	20.14	21.5	25	0
		25	25	20.12	20.11	20.14	21.5	25	25
		25	50	20.12	20.11	20.14	21.5	25	50
		25	75	20.12	20.11	20.14	21.5	25	75
		50	0	20.23	20.18	20.23	21.5	50	0
		50	50	20.24	20.23	20.24	21.5	50	50
20M	16QAM	1	0	20.43	20.39	20.48	21.5	1	0
		1	49	20.34	20.35	20.32	21.5	1	49
		1	99	19.16	19.14	19.15	20.5	1	99
		25	12	19.21	19.19	19.25	20.5	25	12
		25	25	19.24	19.18	19.21	20.5	25	25
		25	50	19.31	19.21	19.22	20.5	25	50
		1	0	19.35	19.28	19.31	20.5	1	0
		1	24	19.27	19.17	19.25	20.5	1	24
		50	0	19.35	19.27	19.32	20.5	50	0
		50	25	19.35	19.27	19.32	20.5	50	25
20M	64QAM	1	0	18.36	18.37	18.37	19.5	1	0
		1	24	18.36	18.37	18.37	19.5	1	24
		50	0	18.36	18.37	18.37	19.5	50	0
		50	25	18.36	18.37	18.37	19.5	50	25
		50	50	18.36	18.37	18.37	19.5	50	50
		100	0	18.36	18.37	18.37	19.5	100	0
		100	50	18.36	18.37	18.37	19.5	100	50
		1	0	18.36	18.37	18.37	19.5	1	0
		1	24	18.36	18.37	18.37	19.5	1	24
		50	0	18.36	18.37	18.37	19.5	50	0
20M	QPSK	Channel	1800	1800	1800	1800	Max. Throughput (Mbps)	Channel	1800
		Frequency (MHz)	1800	1800	1800	1800	Max. Throughput (Mbps)	Frequency (MHz)	1800
		1	0	21.22	21.04	21.19	22.5	1	0
		1	48	21.16	21.13	21.14	22.5	1	48
		25	0	20.12	20.11	20.14	21.5	25	0
		25	25	20.12	20.11	20.14	21.5	25	25
		25	50	20.12	20.11	20.14	21.5	25	50
		25	75	20.12	20.11	20.14	21.5	25	75
		50	0	20.23	20.18	20.23	21.5	50	0
		50	50	20.24	20.23	20.24	21.5	50	50
20M	16QAM	1	0	20.43	20.39	20.48	21.5	1	0
		1	49	20.34	20.35	20.32	21.5	1	49
		1	99	19.16	19.14	19.15	20.5	1	99
		25	12	19.21	19.19	19.25	20.5	25	12
		25	25	19.24	19.18	19.21	20.5	25	25
		25	50	19.31	19.21	19.22	20.5	25	50
		1	0	19.35	19.28	19.31	20.5	1	0
		1	24	19.27	19.17	19.25	20.5	1	24
		50	0	19.35	19.27	19.32	20.5	50	0
		50	25	19.35	19.27	19.32	20.5	50	25
20M	64QAM	1	0	18.36	18.37	18.37	19.5	1	0
		1	24	18.36	18.37	18.37	19.5	1	24
		50	0	18.36	18.37	18.37	19.5	50	0
		50	25	18.36	18.37	18.37	19.5	50	25
		50	50	18.36	18.37	18.37	19.5	50	50
		100	0	18.36	18.37	18.37	19.5	100	0
		100	50	18.36	18.37	18.37	19.5	100	50
		1	0	18.36	18.37	18.37	19.5	1	0
		1	24	18.36	18.37	18.37	19.5	1	24
		50	0	18.36	18.37	18.37	19.5	50	0
20M	QPSK	Channel	1800	1800	1800	1800	Max. Throughput (Mbps)	Channel	1800
		Frequency (MHz)	1800	1800	1800	1800	Max. Throughput (Mbps)	Frequency (MHz)	1800
		1	0	21.22	21.04	21.19	22.5	1	0
		1	48	21.16	21.13	21.14	22.5	1	48
		25	0	20.12	20.11	20.14	21.5	25	0
		25	25	20.12	20.11	20.14	21.5	25	25
		25	50	20.12	20.11	20.14	21.5	25	50
		25	75	20.12	20.11	20.14	21.5	25	75
		50	0	20.23	20.18	20.23	21.5	50	0
		50	50	20.24	20.23	20.24	21.5	50	50
20M	16QAM	1	0	20.43	20.39	20.48	21.5	1	0
		1	49	20.34	20.35	20.32	21.5	1	49
		1	99	19.16	19.14	19.15	20.5	1	99
		25	12	19.21	19.19	19.25	20.5	25	12
		25	25	19.24	19.18	19.21	20.5	25	25
		25	50	19.31	19.21	19.22	20.5	25	50
		1	0	19.35	19.28	19.31	20.5	1	0
		1	24	19.27	19.17	19.25	20.5	1	24
		50	0	19.35	19.27	19.32	20.5	50	0
		50	25	19.35	19.27	19.32	20.5	50	25
20M	64QAM	1	0	18.36	18.37	18.37	19.5	1	0
		1	24	18.36	18.37	18.37	19.5	1	24
		50	0	18.36	18.37	18.37	19.5	50	0
		50	25	18.36	18.37	18.37	19.5	50	25
		50	50	18.36	18.37	18.37	19.5	50	50
		100	0	18.36	18.37	18.37	19.5	100	0
		100	50	18.36	18.37	18.37	19.5	100	50
		1	0	18.36	18.37	18.37	19.5	1	0
		1	24	18.36	18.37	18.37	19.5	1	24
		50	0	18.36	18.37	18.37	19.5	50	0
20M	QPSK	Channel	1800	1800	1800	1800	Max. Throughput (Mbps)	Channel	1800
		Frequency (MHz)	1800	1800	1800	1800	Max. Throughput (Mbps)	Frequency (MHz)	1800
		1	0	21.22	21.04	21.19	22.5	1	0
		1	48	21.16	21.13	21.14	22.5	1	48
		25	0	20.12	20.11	20.14	21.5	25	0
		25	25	20.12	20.11	20.14	21.5	25	25
		25	50	20.12	20.11	20.14	21.5	25	50
		25	75	20.12	20.11	20.14	21.5	25	75
		50	0	20.23	20.18	20.23	21.5	50	0
		50	50	20.24	20.23	20.24	21.5	50	50
20M	16QAM	1	0	20.43	20.39	20.48	21.5	1	0
		1	49	20.34	20.35	20.32	21.5	1	49
		1	99	19.16	19.14	19.15	20.5	1	99
		25	12	19.21	19.19	19.25	20.5	25	12
		25	25	19.24	19.18	19.21	20.5	25	25
		25	50	19.31	19.21	19.22	20.5	25	50
		1	0	19.35	19.28	19.31	20.5	1	0
		1	24	19.27	19.17	19.25	20.5	1	24
		50	0	19.35	19.27	19.32	20.5	50	0

LTE Band 4 (Aust)									
BW	Modulation	RB Size	RB Offset	Low				Max. Time-up (MHz)	
				Channel	2015	2017	2018		
20M	OFDM	Frequency (MHz)	1792.5	1792.5	1796	1796			
		1	0	16.68	16.79	16.69	18		
		1	50	16.96	16.81	16.79	18		
		1	99	16.82	16.84	16.79	18		
		50	0	16.68	16.82	16.81	17		
		50	25	16.81	16.76	16.82	17		
		50	50	16.83	16.88	16.84	17		
		100	0	16.76	16.81	16.76	17		
		100	0	16.86	16.86	16.79	17		
		100	0	16.74	16.72	16.72	17		
10M	SC-FDMA	1	0	16.16	16.02	16.04	16		
		1	50	16.06	14.97	15.11	16		
		1	99	16.02	15.04	16.00	16		
		50	0	13.62	13.67	13.65	15		
		50	25	13.82	13.87	13.87	15		
	SC-FDMA	100	0	13.86	13.76	13.80	15		
		1	50	13.86	11.92	11.79	13		
		1	99	12.01	11.86	11.92	13		
		50	0	11.86	11.83	11.86	13		
		50	25	11.87	11.63	11.62	13		
5M	SC-FDMA	50	50	11.96	12.05	11.83	13		
		100	0	11.77	11.90	11.79	13		
		Channel	2015	2017	2018	Max. Time-up (MHz)			
		Frequency (MHz)	1792.5	1792.5	1797.5				
		1	0	16.68	16.70	16.60	18		
	10M	SC-FDMA	1	37	16.42	16.78	16.72	18	
			1	74	16.75	16.72	16.70	18	
			38	0	16.52	16.74	16.67	17	
			38	19	16.73	16.66	16.74	17	
			38	39	16.68	16.77	16.80	17	
SC-FDMA		75	0	16.68	16.70	16.68	17		
		1	0	16.70	16.60	16.66	17		
		1	74	16.97	16.94	16.96	18		
		38	0	13.77	13.68	13.74	15		
		38	19	13.77	13.81	13.79	15		
5M	SC-FDMA	75	0	13.79	13.72	13.77	15		
		1	0	12.08	11.73	11.82	13		
		1	74	11.87	11.81	11.83	13		
		38	0	11.84	11.81	11.84	13		
		38	19	11.82	11.87	11.85	13		
	SC-FDMA	38	39	11.77	11.99	11.79	13		
		75	0	11.63	11.84	11.74	13		
		Channel	2015	2017	2018	Max. Time-up (MHz)			
		Frequency (MHz)	1792.5	1792.5	1797.5				
		1	24	16.82	16.83	16.88	18		
20M	OFDM	1	49	16.68	16.63	16.62	18		
		25	0	16.47	16.73	16.62	17		
		25	25	16.46	16.74	16.61	17		
		25	25	16.62	16.64	16.61	17		
		50	0	16.48	16.58	16.65	17		
		50	0	16.78	16.79	16.67	17		
		1	24	16.90	16.86	16.89	17		
		1	49	15.84	15.92	15.73	17		
		25	12	14.52	14.56	14.51	16		
		25	25	14.73	14.68	14.61	16		
10M	SC-FDMA	50	0	14.61	14.58	14.62	16		
		1	0	15.02	14.93	14.90	16		
		1	24	14.92	14.78	14.84	16		
		1	49	14.62	14.66	14.63	16		
		25	0	13.73	13.71	13.78	16		
	SC-FDMA	25	0	13.68	13.74	13.66	16		
		25	25	13.63	13.68	13.63	15		
		50	0	13.68	13.71	13.74	15		
		1	0	12.05	11.71	11.68	13		
		1	24	11.77	11.80	11.62	13		
5M	SC-FDMA	1	49	11.87	11.80	11.67	13		
		25	0	11.79	11.69	11.75	13		
		25	12	11.70	11.76	11.79	13		
		25	25	11.62	11.86	11.75	13		
		50	0	11.62	11.69	11.66	13		
	SC-FDMA	Channel	1807.5	1807.5	1817.5	Max. Time-up (MHz)			
		Frequency (MHz)	1792.5	1792.5	1792.5				
		1	0	16.46	16.41	16.41	18		
		1	12	16.16	16.54	16.50	16		
		1	24	16.66	16.54	16.50	16		
20M	OFDM	12	0	16.42	16.59	16.56	17		
		12	8	16.70	16.62	16.64	17		
		12	13	16.94	16.53	16.66	17		
		25	0	16.34	16.57	16.56	17		
		1	0	16.63	16.70	16.45	17		
		1	24	16.70	16.84	16.67	17		
		12	0	14.85	14.80	14.48	16		
		12	8	14.71	14.84	14.66	16		
		12	13	14.72	14.51	14.65	16		
		25	0	14.42	14.49	14.50	16		
10M	SC-FDMA	25	0	14.69	14.79	14.79	16		
		1	12	14.83	14.75	14.80	16		
		1	24	14.85	14.83	14.70	16		
		12	0	13.67	13.69	13.60	15		
		12	8	13.54	13.64	13.56	15		
	SC-FDMA	12	13	13.46	13.55	13.56	15		
		25	0	13.56	13.70	13.69	15		
		1	0	11.61	11.57	11.73	13		
		1	24	11.59	11.71	11.61	13		
		1	24	11.74	11.79	11.68	13		
5M	SC-FDMA	12	0	11.75	11.99	11.72	13		
		12	8	11.73	11.71	11.66	13		
		12	13	11.49	11.65	11.68	13		
		25	0	11.52	11.63	11.72	13		
		50	0	11.62	11.80	11.61	13		
	SC-FDMA	Channel	1807.5	1807.5	1817.5	Max. Time-up (MHz)			
		Frequency (MHz)	1792.5	1792.5	1792.5				
		1	0	16.40	16.42	16.36	18		
		1	14	16.80	16.52	16.23	19		
		8	0	16.07	16.47	16.46	17		
20M	OFDM	8	7	16.02	16.50	16.54	17		
		8	7	16.46	16.38	16.56	17		
		15	0	16.26	16.52	16.50	17		
		1	0	16.60	16.59	16.54	17		
		1	14	16.97	16.72	16.50	17		
		10M	SC-FDMA	1	0	15.62	15.62	15.62	16
				1	7	15.78	15.69	15.74	17
				1	14	15.97	15.72	15.70	17
				8	0	14.63	14.47	14.58	16
				8	3	14.50	14.53	14.53	16
SC-FDMA	8		0	14.60	14.42	14.42	16		
	15		0	14.27	14.36	14.45	16		
	1		0	14.75	14.79	14.71	16		
	1		7	14.87	14.78	14.67	16		
	8		0	13.57	13.63	13.64	15		
5M	SC-FDMA	8	3	13.50	13.55	13.46	15		
		8	7	13.30	13.49	13.44	15		
		15	0	13.57	13.57	13.36	15		
		1	1	11.69	11.63	11.71	13		
		1	7	11.68	11.68	11.49	13		
	SC-FDMA	1	14	11.63	11.72	11.61	13		
		8	3	11.73	11.48	11.60	13		
		8	3	11.52	11.60	11.62	13		
		8	0	11.62	11.60	11.51	13		
		15	0	11.42	11.53	11.49	13		
20M	OFDM	Channel	1807.5	1807.5	1817.5	Max. Time-up (MHz)			
		Frequency (MHz)	1792.5	1792.5	1792.5				
		1	0	16.50	16.50	16.54	18		
		1	0	16.52	16.78	16.72	18		
		1	0	16.90	16.74	16.61	18		
		3	1	16.61	16.48	16.65	18		
		8	0	16.52	16.78	16.63	17		
		1	0	16.75	16.85	16.68	17		
		1	0	16.92	16.93	16.96	17		
		10M	SC-FDMA	1	0	16.90	16.90	16.91	17
3	0			16.42	16.54	16.46	17		
3	3			16.72	16.52	16.52	17		
8	0			14.71	14.63	14.71	16		
1	0			16.71	14.93	14.99	16		
SC-FDMA	1		0	14.92	14.88	15.01	16		
	3		1	14.92	14.87	14.93	16		
	8		0	13.65	13.63	13.73	15		
	1		0	11.81	11.51	11.54	13		
	3		3	11.66	11.61	11.63	13		
5M	SC-FDMA	3	3	11.81	11.75	11.63	13		
		8	0	11.42	11.43	11.43	13		
		1	0	11.44	11.44	11.44	13		
		1	0	11.46	11.46	11.46	13		
		1	0	11.48	11.48	11.48	13		
	SC-FDMA	1	0	11.50	11.50	11.50	13		
		3	3	11.52	11.52	11.52	13		
		8	0	11.54	11.54	11.54	13		
		1	0	11.56	11.56	11.56	13		
		1	0	11.58	11.58	11.58	13		

LTE Band 12 (Aar2)												
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (MHz)	RB Size	RB Offset			
		Channel	20MHz	20MHz	20MHz	20MHz						
10M	QPSK	Frequency (MHz)	786	787.5	791	795	25.5	QPSK	Frequency (MHz)			
		1	0	24.15	24.20	24.21	25.5		1	0		
		1	24	24.25	24.24	24.22	25.5		1	24		
		1	49	24.35	24.11	24.08	25.5		1	49		
		25	0	23.20	23.21	23.19	24.5		25	0		
	16QAM	25	25	23.25	23.28	23.25	24.5		25	25		
		50	0	23.25	23.27	23.20	24.5		50	0		
		50	25	23.30	23.24	23.24	24.5		50	25		
		1	24	23.45	23.48	23.42	24.5		1	24		
		1	49	23.55	23.51	23.51	24.5		1	49		
10M	16QAM	25	0	22.22	22.20	22.22	23.5	16QAM	25	0		
		25	25	22.25	22.22	22.15	23.5		25	25		
		50	0	22.25	22.26	22.10	23.5		50	0		
		50	25	22.27	22.23	22.20	23.5		50	25		
		1	0	22.44	22.44	22.34	23.5		1	0		
	64QAM	1	24	22.45	22.47	22.35	23.5		1	24		
		1	49	22.50	22.50	22.50	23.5		1	49		
		25	0	21.50	21.51	21.20	22.5		25	0		
		25	25	21.57	21.54	21.44	22.5		25	25		
		50	0	21.20	21.23	21.21	22.5		50	0		
10M	16QAM	50	0	21.25	21.18	21.28	22.5	16QAM	50	0		
		50	25	21.27	21.24	21.24	22.5		50	25		
		1	0	19.34	19.31	19.45	20.5		1	0		
		1	24	19.37	19.36	19.39	20.5		1	24		
		1	49	19.23	19.34	19.33	20.5		1	49		
	25QAM	25	0	19.22	19.24	19.24	20.5		25	0		
		25	25	19.33	19.27	19.30	20.5		25	25		
		50	0	19.34	19.29	19.32	20.5		50	0		
		50	25	19.35	19.32	19.32	20.5		50	25		
		1	0	19.20	19.20	19.20	20.5		1	0		
10M	QPSK	Frequency (MHz)	786.5	787.5	790.5	795.5	25.5	QPSK	Frequency (MHz)			
		1	0	24.04	24.08	24.12	25.5		1	0		
		1	12	24.22	24.20	24.13	25.5		1	12		
		1	24	23.98	24.04	24.02	25.5		1	24		
		12	0	23.99	23.19	23.18	24.5		12	0		
	16QAM	12	6	23.12	23.23	23.03	24.5		12	6		
		12	13	23.17	23.26	23.30	24.5		12	13		
		25	0	23.18	23.13	23.18	24.5		25	0		
		1	0	23.34	23.32	23.40	24.5		1	0		
		1	12	23.43	23.36	23.43	24.5		1	12		
10M	16QAM	1	24	23.53	23.16	23.16	24.5	16QAM	1	24		
		12	0	22.11	22.26	22.14	23.5		12	0		
		12	6	22.25	22.18	22.18	23.5		12	6		
		12	13	22.18	22.24	22.13	23.5		12	13		
		25	0	22.13	22.08	22.05	23.5		25	0		
	64QAM	1	0	22.34	22.38	22.30	23.5		64QAM	1	0	
		1	12	22.38	22.45	22.28	23.5			1	12	
		1	24	22.27	22.16	22.25	23.5			1	24	
		12	0	22.20	22.15	22.12	22.5			12	0	
		12	6	21.24	21.18	21.23	22.5			12	6	
10M	16QAM	12	13	21.22	21.09	21.12	22.5	16QAM		12	13	
		25	0	21.22	21.11	21.21	22.5			25	0	
		1	0	19.52	19.57	19.53	20.5			1	0	
		1	12	19.52	19.51	19.51	20.5			1	12	
		1	24	19.12	19.23	19.25	20.5			1	24	
	25QAM	12	0	19.07	19.26	19.23	20.5		12	0		
		12	6	19.10	19.26	19.17	20.5		12	6		
		12	13	19.12	19.22	19.17	20.5		12	13		
		25	0	19.13	19.15	19.22	20.5		25	0		
		1	0	19.25	19.15	19.22	20.5		1	0		
10M	QPSK	Channel <th>20MHz</th> <th>20MHz</th> <th>20MHz</th> <th>20MHz</th> <th>25.5</th> <td rowspan="20">QPSK</td> <td>Channel</td>	20MHz	20MHz	20MHz	20MHz	25.5	QPSK	Channel			
		1	0	24.05	24.09	24.11	25.5		1	0		
		1	7	24.22	24.16	24.11	25.5		1	7		
		3	0	23.99	23.94	23.95	25.5		3	0		
		3	3	23.91	23.20	23.18	24.5		3	3		
	16QAM	3	1	23.99	23.98	23.94	24.5		3	1		
		3	3	23.97	23.93	23.93	24.5		3	3		
		8	0	23.96	23.96	23.91	24.5		8	0		
		8	7	23.92	23.91	23.91	24.5		8	7		
		15	0	23.91	23.13	23.18	24.5		15	0		
10M	16QAM	15	7	23.93	23.33	23.43	24.5		16QAM	15	7	
		1	14	23.94	23.16	23.17	24.5			1	14	
		8	0	22.26	22.18	22.17	23.5			8	0	
		8	3	22.24	22.18	22.11	23.5			8	3	
		8	7	22.22	22.11	22.16	23.5			8	7	
	64QAM	15	0	22.19	22.13	22.14	23.5			64QAM	15	0
		1	0	22.37	22.38	22.31	23.5				1	0
		1	7	22.38	22.46	22.34	23.5				1	7
		1	14	22.40	22.28	22.27	23.5				1	14
		8	0	21.56	21.50	21.59	22.5				8	0
10M	16QAM	8	3	21.56	21.52	21.53	22.5	16QAM	8		3	
		8	7	21.10	21.16	21.13	22.5		8		7	
		15	0	21.12	21.17	21.15	22.5		15		0	
		1	0	19.24	19.20	19.40	20.5		1		0	
		1	7	19.30	19.30	19.24	20.5		1		7	
	25QAM	1	14	19.16	19.19	19.20	20.5		1	14		
		8	0	19.10	19.22	19.22	20.5		8	0		
		8	3	19.27	19.12	19.27	20.5		8	3		
		8	7	19.21	19.21	19.19	20.5		8	7		
		15	0	19.26	19.24	19.16	20.5		15	0		
10M	QPSK	Channel <th>20MHz</th> <th>20MHz</th> <th>20MHz</th> <th>20MHz</th> <th>25.5</th> <td rowspan="20">QPSK</td> <td>Channel</td>	20MHz	20MHz	20MHz	20MHz	25.5	QPSK	Channel			
		1	0	24.10	24.15	24.14	25.5		1	0		
		1	2	24.10	24.20	24.13	25.5		1	2		
		1	5	23.97	23.97	23.95	25.5		1	5		
		3	0	23.97	23.93	23.99	25.5		3	0		
	16QAM	3	1	24.05	24.05	23.99	25.5		3	1		
		3	3	24.00	23.95	24.00	25.5		3	3		
		8	0	23.96	23.96	23.91	24.5		8	0		
		8	7	23.92	23.91	23.91	24.5		8	7		
		15	0	23.91	23.13	23.18	24.5		15	0		
10M	16QAM	15	7	23.93	23.33	23.43	24.5		16QAM	15	7	
		1	14	23.94	23.16	23.17	24.5			1	14	
		8	0	22.26	22.18	22.17	23.5			8	0	
		8	3	22.24	22.18	22.11	23.5			8	3	
		8	7	22.22	22.11	22.16	23.5			8	7	
	64QAM	15	0	22.19	22.13	22.14	23.5			64QAM	15	0
		1	0	22.37	22.38	22.31	23.5				1	0
		1	7	22.38	22.46	22.34	23.5				1	7
		1	14	22.40	22.28	22.27	23.5				1	14
		8	0	21.56	21.50	21.59	22.5				8	0
10M	16QAM	8	3	21.56	21.52	21.53	22.5	16QAM	8		3	
		8	7	21.10	21.16	21.13	22.5		8		7	
		15	0	21.12	21.17	21.15	22.5		15		0	
		1	0	19.24	19.20	19.40	20.5		1		0	
		1	7	19.30	19.30	19.24	20.5		1		7	
	25QAM	1	14	19.16	19.19	19.20	20.5		1	14		
		8	0	19.10	19.22	19.22	20.5		8	0		
		8	3	19.27	19.20	19.26	20.5		8	3		
		8	7	19.28	19.19	19.23	20.5		8	7		
		15	0	19.27	19.25	19.17	20.5		15	0		

LTE Band 40 (Axi4)												
BW	MCS Index	RB Size	RB Offset	Low		Mid		High		Max. Power Spectral Density (W/Hz)		
				Channel	Frequency (MHz)	Start	End	Start	End		Start	End
20M	QPSK	1	0	20.27	20.21	20.43	21	20.27	20.21	20.43	21	
		1	20	20.45	20.27	20.45	20	20.45	20.27	20.45	20	
		1	50	20.33	20.22	20.45	21	20.33	20.22	20.45	21	
		50	0	19.47	19.15	19.52	20	19.47	19.15	19.52	20	
		50	25	19.41	19.28	19.52	20	19.41	19.28	19.52	20	
		50	50	19.49	19.28	19.52	19.53	20	19.49	19.28	19.52	19.53
		100	0	19.39	19.24	19.51	20	19.39	19.24	19.51	20	
		100	0	19.33	19.12	19.52	20	19.33	19.12	19.52	20	
		1	50	19.25	19.04	19.50	20	19.25	19.04	19.50	20	
		1	50	19.36	19.26	19.46	20	19.36	19.26	19.46	20	
20M	16QAM	50	25	19.54	19.53	19.58	19	19.54	19.53	19.58	19	
		50	50	19.50	19.26	19.51	19	19.50	19.26	19.51	19	
		100	0	19.37	19.23	19.58	19	19.37	19.23	19.58	19	
		1	50	19.40	19.21	19.53	19	19.40	19.21	19.53	19	
		1	50	19.40	19.16	19.58	19	19.40	19.16	19.58	19	
		1	50	19.51	19.26	19.58	19	19.51	19.26	19.58	19	
		50	0	17.49	17.23	17.58	19	17.49	17.23	17.58	19	
		50	25	17.41	17.27	17.47	19	17.41	17.27	17.47	19	
		50	50	17.46	17.20	17.55	19	17.46	17.20	17.55	19	
		100	0	17.48	17.20	17.52	19	17.48	17.20	17.52	19	
20M	16QAM	1	50	17.53	17.52	17.50	19	17.53	17.52	17.50	19	
		1	50	17.57	17.52	17.50	19	17.57	17.52	17.50	19	
		50	25	17.46	17.52	17.57	19	17.46	17.52	17.57	19	
		50	50	17.46	17.52	17.57	19	17.46	17.52	17.57	19	
		100	0	17.48	17.20	17.52	19	17.48	17.20	17.52	19	
		1	50	17.53	17.52	17.50	19	17.53	17.52	17.50	19	
		1	50	17.57	17.52	17.50	19	17.57	17.52	17.50	19	
		50	25	17.46	17.52	17.57	19	17.46	17.52	17.57	19	
		50	50	17.46	17.52	17.57	19	17.46	17.52	17.57	19	
		100	0	17.48	17.20	17.52	19	17.48	17.20	17.52	19	
BW	MCS Index	Channel	SBS1		SBS9		SBS15		Max. Power Spectral Density (W/Hz)			
			Frequency (MHz)	Start	End	Start	End	Start		End		
20M	QPSK	1	0	20.17	20.16	20.32	21	20.17	20.16	20.32	21	
		1	37	20.40	20.17	20.40	21	20.40	20.17	20.40	21	
		1	74	20.31	20.08	20.30	21	20.31	20.08	20.30	21	
		38	0	19.41	19.09	19.48	20	19.41	19.09	19.48	20	
		38	19	19.31	19.21	19.45	20	19.31	19.21	19.45	20	
		38	38	19.42	19.17	19.49	20	19.42	19.17	19.49	20	
		75	0	19.36	19.18	19.37	20	19.36	19.18	19.37	20	
		1	0	19.22	19.03	19.43	20	19.22	19.03	19.43	20	
		1	37	19.37	19.02	19.49	20	19.37	19.02	19.49	20	
		1	74	19.27	19.16	19.33	20	19.27	19.16	19.33	20	
20M	16QAM	38	0	19.42	17.93	18.34	19	19.42	17.93	18.34	19	
		38	38	19.48	18.19	19.50	19	19.48	18.19	19.50	19	
		75	0	19.22	18.24	18.41	19	19.22	18.24	18.41	19	
		1	37	19.28	18.11	18.44	19	19.28	18.11	18.44	19	
		1	74	19.46	18.24	18.51	19	19.46	18.24	18.51	19	
		38	19	17.38	17.15	17.47	18	17.38	17.15	17.47	18	
		38	38	17.38	17.15	17.47	18	17.38	17.15	17.47	18	
		75	0	17.38	17.15	17.47	18	17.38	17.15	17.47	18	
		1	0	17.38	17.15	17.47	18	17.38	17.15	17.47	18	
		1	37	17.38	17.15	17.47	18	17.38	17.15	17.47	18	
20M	16QAM	38	0	17.38	17.15	17.47	18	17.38	17.15	17.47	18	
		38	38	17.38	17.15	17.47	18	17.38	17.15	17.47	18	
		75	0	17.38	17.15	17.47	18	17.38	17.15	17.47	18	
		1	0	17.38	17.15	17.47	18	17.38	17.15	17.47	18	
		1	37	17.38	17.15	17.47	18	17.38	17.15	17.47	18	
		38	0	17.38	17.15	17.47	18	17.38	17.15	17.47	18	
		38	38	17.38	17.15	17.47	18	17.38	17.15	17.47	18	
		75	0	17.38	17.15	17.47	18	17.38	17.15	17.47	18	
		1	0	17.38	17.15	17.47	18	17.38	17.15	17.47	18	
		1	37	17.38	17.15	17.47	18	17.38	17.15	17.47	18	
BW	MCS Index	Channel	SBS1		SBS9		SBS15		Max. Power Spectral Density (W/Hz)			
			Frequency (MHz)	Start	End	Start	End	Start		End		
20M	QPSK	1	0	20.09	20.12	20.19	21	20.09	20.12	20.19	21	
		1	49	20.20	20.14	20.24	21	20.20	20.14	20.24	21	
		1	49	20.20	19.93	20.21	21	20.20	19.93	20.21	21	
		25	0	19.38	18.95	19.33	20	19.38	18.95	19.33	20	
		25	0	19.38	18.95	19.33	20	19.38	18.95	19.33	20	
		25	25	19.32	19.05	19.34	20	19.32	19.05	19.34	20	
		50	0	19.23	18.14	19.30	20	19.23	18.14	19.30	20	
		1	24	19.08	19.00	19.42	20	19.08	19.00	19.42	20	
		1	49	19.13	19.15	19.29	20	19.13	19.15	19.29	20	
		25	0	19.38	17.97	19.39	19	19.38	17.97	19.39	19	
20M	16QAM	1	0	19.38	17.97	19.39	19	19.38	17.97	19.39	19	
		25	12	19.34	18.10	19.43	19	19.34	18.10	19.43	19	
		25	25	19.34	18.05	19.53	19	19.34	18.05	19.53	19	
		50	0	19.14	18.17	19.34	19	19.14	18.17	19.34	19	
		1	0	19.28	17.98	18.40	19	19.28	17.98	18.40	19	
		1	24	19.22	18.03	19.42	19	19.22	18.03	19.42	19	
		49	0	19.31	18.51	19.45	19	19.31	18.51	19.45	19	
		25	0	17.38	17.63	17.43	18	17.38	17.63	17.43	18	
		25	12	17.37	17.14	17.38	18	17.37	17.14	17.38	18	
		25	25	17.38	16.95	17.38	18	17.38	16.95	17.38	18	
20M	16QAM	50	0	17.38	17.14	17.34	18	17.38	17.14	17.34	18	
		1	0	17.38	17.14	17.34	18	17.38	17.14	17.34	18	
		1	24	17.38	17.14	17.34	18	17.38	17.14	17.34	18	
		49	0	17.38	17.14	17.34	18	17.38	17.14	17.34	18	
		25	0	17.38	17.14	17.34	18	17.38	17.14	17.34	18	
		25	25	17.38	16.95	17.38	18	17.38	16.95	17.38	18	
		50	0	17.38	17.14	17.34	18	17.38	17.14	17.34	18	
		1	0	17.38	17.14	17.34	18	17.38	17.14	17.34	18	
		1	24	17.38	17.14	17.34	18	17.38	17.14	17.34	18	
		49	0	17.38	17.14	17.34	18	17.38	17.14	17.34	18	
BW	MCS Index	Channel	SBS1		SBS9		SBS15		Max. Power Spectral Density (W/Hz)			
			Frequency (MHz)	Start	End	Start	End	Start		End		
20M	QPSK	1	0	20.09	20.12	20.19	21	20.09	20.12	20.19	21	
		1	49	20.20	20.14	20.24	21	20.20	20.14	20.24	21	
		1	49	20.20	19.93	20.21	21	20.20	19.93	20.21	21	
		25	0	19.38	18.95	19.33	20	19.38	18.95	19.33	20	
		25	0	19.38	18.95	19.33	20	19.38	18.95	19.33	20	
		25	25	19.32	19.05	19.34	20	19.32	19.05	19.34	20	
		50	0	19.23	18.14	19.30	20	19.23	18.14	19.30	20	
		1	24	19.08	19.00	19.42	20	19.08	19.00	19.42	20	
		1	49	19.13	19.15	19.29	20	19.13	19.15	19.29	20	
		25	0	19.38	17.97	19.39	19	19.38	17.97	19.39	19	
20M	16QAM	1	0	19.38	17.97	19.39	19	19.38	17.97	19.39	19	
		25	12	19.34	18.10	19.43	19	19.34	18.10	19.43	19	
		25	25	19.34	18.05	19.53	19	19.34	18.05	19.53	19	
		50	0	19.14	18.17	19.34	19	19.14	18.17	19.34	19	
		1	0	19.28	17.98	18.40	19	19.28	17.98	18.40	19	
		1	24	19.22	18.03	19.42	19	19.22	18.03	19.42	19	
		49	0	19.31	18.51	19.45	19	19.31	18.51	19.45	19	
		25	0	17.38	17.63	17.43	18	17.38	17.63	17.43	18	
		25	12	17.37	17.14	17.38	18	17.37	17.14	17.38	18	
		25	25	17.38	16.95	17.38	18	17.38	16.95	17.38	18	
20M	16QAM	50	0	17.38	17.14	17.34	18	17.38	17.14	17.34	18	
		1	0	17.38	17.14	17.34	18	17.38	17.14	17.34	18	
		1	24	17.38	17.14	17.34	18	17.38	17.14	17.34	18	
		49	0	17.38	17.14	17.34	18	17.38	17.14	17.34	18	
		25	0	17.38	17.14	17.34	18	17.38	17.14	17.34	18	
		25	25	17.38	16.95	17.38	18	17.38	16.95	17.38	18	
		50	0	17.38	17.14	17.34	18	17.38	17.14	17.34	18	
		1	0	17.38	17.14	17.34	18	17.38	17.14	17.34	18	
		1	24	17.38	17.14	17.34	18	17.38	17.14	17.34	18	
		49	0	17.38	17.14	17.34	18	17.38	17.14	17.34	18	
BW	MCS Index	Channel	SBS1		SBS9		SBS15		Max. Power Spectral Density (W/Hz)			
			Frequency (MHz)	Start	End	Start	End	Start		End		
20M	QPSK	1	0	20.09	20.12	20.19	21	20.09	20.12	20.19	21	
		1	49	20.20	20.14	20.24	21	20.20	20.14	20.24	21	
		1	49	20.20	19.93	20.21	21	20.20	19.93	20.21	21	
		25	0	19.38	18.95	19.33	20	19.38	18.95	19.33	20	
		25	0	19.38	18.95	19.33	20</					

Receiver on_DS12_ENDC

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.44	23.41	23.47	24.5
		1	53	23.36	23.37	23.41	24.5
		1	104	23.38	23.31	23.35	24.5
		50	0	23.47	23.54	23.53	24.5
		50	28	23.46	23.46	23.55	24.5
		50	56	23.60	23.48	23.53	24.5
	DFT-s-OFDM QPSK	100	0	23.48	23.54	23.49	24.5
		1	1	23.61	23.55	23.57	24.5
		1	53	23.46	23.36	23.43	24.5
		1	104	23.11	23.47	23.32	24.5
		50	0	22.98	23.01	22.93	23.5
		50	28	23.58	23.50	23.44	24.5
	DFT-s-OFDM 16QAM	50	56	23.04	22.97	22.58	23.5
		100	0	22.98	22.95	22.93	23.5
		1	1	22.93	22.93	23.19	23.5
		1	1	21.63	21.65	21.06	22.5
		1	1	18.99	19.04	19.06	20.5
		1	1	18.99	19.04	19.06	20.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	23.58	23.47	23.48	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.55	23.45	23.44	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	23.57	23.41	23.55	24.5

n2 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	15.36	15.31	15.33	16
		1	53	15.18	15.21	15.16	16
		1	104	15.17	15.23	15.31	16
		50	0	14.79	14.74	14.76	16
		50	28	15.26	15.27	15.20	16
		50	56	14.63	14.73	14.79	16
	DFT-s-OFDM QPSK	100	0	14.77	14.72	14.67	16
		1	1	15.46	15.45	15.37	16
		1	53	15.39	15.23	15.39	16
		1	104	15.21	15.33	15.04	16
		50	0	14.29	14.26	14.28	15
		50	28	15.34	15.30	15.27	16
	DFT-s-OFDM 16QAM	50	56	14.24	14.14	14.22	15
		100	0	14.33	14.23	14.24	15
		1	1	14.40	14.42	14.44	15
		1	1	12.92	13.03	12.93	14
		1	1	10.98	11.01	10.90	12
		1	1	10.98	11.01	10.90	12
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	15.39	15.37	15.35	16
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	15.31	15.40	15.30	16
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	15.35	15.38	15.36	16

n5 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.42	23.38	23.46	24.5
		1	53	23.48	23.51	23.45	24.5
		1	104	23.40	23.53	23.41	24.5
		50	0	23.51	23.58	23.52	24.5
		50	28	23.43	23.55	23.52	24.5
		50	56	23.50	23.53	23.56	24.5
		100	0	23.47	23.56	23.57	24.5
	DFT-s-OFDM QPSK	1	1	23.57	23.64	23.55	24.5
		1	53	23.38	23.42	23.48	24.5
		1	104	23.41	23.43	23.42	24.5
		50	0	23.52	23.58	23.50	24.5
		50	28	23.46	23.59	23.49	24.5
		50	56	23.53	23.61	23.51	24.5
		100	0	23.50	23.57	23.54	24.5
	DFT-s-OFDM 16QAM	1	1	23.32	23.43	23.39	24.5
	DFT-s-OFDM 64QAM	1	1	21.68	22.15	22.04	22.5
	DFT-s-OFDM 256QAM	1	1	19.98	19.53	19.54	20.5
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	1	1	23.49	23.62	23.53	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.50	23.55	23.44	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.43	23.51	23.52	24.5

n48 (SCS 30 kHz) (Ant4)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	23.47	23.83	24.05	24.5
		1	53	23.56	23.91	24.04	24.5
		1	104	23.70	24.11	24.09	24.5
		50	0	23.63	23.93	24.10	24.5
		50	28	23.63	23.95	24.09	24.5
		50	56	23.70	23.98	24.13	24.5
		100	0	23.61	23.91	24.09	24.5
	DFT-s-OFDM QPSK	1	1	23.71	24.12	24.16	24.5
		1	53	23.52	23.86	24.03	24.5
		1	104	23.68	23.97	24.05	24.5
		50	0	23.62	23.96	24.11	24.5
		50	28	23.57	23.93	24.04	24.5
		50	56	23.61	23.92	24.07	24.5
		100	0	23.59	23.92	23.96	24.5
	DFT-s-OFDM 16QAM	1	53	23.58	23.86	24.02	24.5
	DFT-s-OFDM 64QAM	1	53	23.36	23.59	23.60	24
	DFT-s-OFDM 256QAM	1	53	22.05	22.20	22.35	23
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	23.60	24.05	24.01	24.5
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	23.63	24.00	24.08	24.5

n66 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	23.43	23.44	23.41	24.5
		1	108	23.47	23.36	23.37	24.5
		1	214	23.42	23.29	23.24	24.5
		108	0	23.21	22.80	22.57	24
		108	54	23.01	22.88	23.51	24.5
		108	108	23.12	22.47	22.41	24
	DFT-s-OFDM QPSK	216	0	23.09	22.50	22.50	24
		1	1	23.51	23.54	23.33	24.5
		1	108	23.47	23.34	23.27	24.5
		1	214	23.39	23.31	23.18	24.5
		108	0	22.58	22.57	22.43	23.5
		108	54	23.25	23.49	23.30	24.5
	DFT-s-OFDM 16QAM	108	108	22.67	22.57	22.30	23.5
		216	0	22.51	22.56	22.35	23.5
		1	1	22.45	22.07	23.63	23.5
		1	1	21.18	20.94	20.53	22
		1	1	18.45	18.86	18.43	20
		1	1	18.45	18.86	18.43	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.21	23.36	23.46	24.5
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	23.37	23.24	23.15	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.29	23.41	23.35	24.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	23.18	23.27	23.17	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.09	23.22	23.31	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.23	23.41	23.36	24.5

n66 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	16.02	16.18	16.16	17.5
		1	108	16.12	16.14	16.12	17.5
		1	214	16.11	16.03	16.02	17.5
		108	0	15.69	15.66	15.58	17
		108	54	16.06	16.12	16.08	17.5
		108	108	15.50	15.51	15.52	17
	DFT-s-OFDM QPSK	216	0	15.60	15.53	15.62	17
		1	1	16.18	16.34	16.08	17.5
		1	108	16.06	16.14	16.00	17.5
		1	214	16.08	16.00	16.03	17.5
		108	0	15.04	15.21	15.20	16.5
		108	54	16.07	16.22	15.99	17.5
	DFT-s-OFDM 16QAM	108	108	15.02	15.05	15.05	16.5
		216	0	15.16	15.18	15.10	16.5
		1	1	15.09	15.12	15.15	16.5
		1	1	13.63	13.71	13.63	15
		1	1	11.47	11.61	11.48	13
		1	1	11.47	11.61	11.48	13
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	16.09	16.27	16.01	17.5
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	16.03	16.23	15.93	17.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	16.15	16.20	15.94	17.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	16.10	16.33	15.94	17.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	16.09	16.30	15.99	17.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	16.05	16.24	16.07	17.5

n77 (SCS 30 kHz) 3450–3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)	
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	DFT-s-OFDM Pi/2 BPSK	1	1	15.73		17	
		1	137	15.46		17	
		1	271	15.53		17	
		135	0	15.69		17	
		135	69	15.68		17	
		135	138	15.57		17	
	DFT-s-OFDM QPSK	270	0	15.58		17	
		1	1	15.79		17	
		1	137	15.54		17	
		1	271	15.52		17	
		135	0	15.71		17	
		135	69	15.59		17	
	DFT-s-OFDM 16QAM	135	138	15.74		17	
		270	0	15.60		17	
		DFT-s-OFDM 64QAM	1	1	15.71		17
			1	1	15.27		16
			DFT-s-OFDM 256QAM	1	1	13.72	
		BW		MCS Index	Channel		633000
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	15.74	15.78	15.76	17
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	15.69	15.77	15.72	17
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	15.67	15.75	15.75	17
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	15.60	15.66	15.71	17
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	15.69	15.67	15.69	17
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	15.69	15.69	15.71	17
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	15.68	15.63	15.61	17
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	15.62	15.66	15.63	17
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	15.62	15.68	15.62	17
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	15.59	15.75	15.72	17
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	15.66	15.72	15.63	17

n77 (SCS 30 kHz) 3700–3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	15.87	16.39	16.41	17
		1	137	15.77	15.85	16.28	17
		1	271	15.85	16.13	16.49	17
		135	0	15.87	15.93	16.30	17
		135	69	15.80	16.02	16.34	17
		135	138	15.99	16.07	16.41	17
	DFT-s-OFDM QPSK	270	0	15.90	15.96	16.33	17
		1	1	15.94	16.57	16.59	17
		1	137	15.79	16.40	16.25	17
		1	271	15.87	16.34	16.44	17
		135	0	15.88	16.24	16.34	17
		135	69	15.91	16.23	16.33	17
	DFT-s-OFDM 16QAM	135	138	15.88	16.40	16.43	17
		270	0	15.86	16.28	16.35	17
		1	1	15.88	15.99	16.02	17
		1	1	15.78	15.90	15.88	16
		1	1	14.46	14.00	14.08	14.5
		1	1	14.46	14.00	14.08	14.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	15.81	16.48	16.56	17
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	15.85	16.51	16.44	17
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	15.87	16.49	16.48	17
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	15.92	16.44	16.46	17
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	15.93	16.50	16.55	17
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	15.79	16.46	16.49	17
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	15.86	16.53	16.57	17
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	15.82	16.47	16.52	17
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	15.93	16.51	16.49	17
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	15.93	16.47	16.54	17
BW	MCS Index	Channel		646634	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	15.89	16.51	16.53	17

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		18.68		20
		1	137		18.40		20
		1	271		18.55		20
		135	0		18.05		19.5
		135	69		18.57		20
		135	138		18.08		19.5
	DFT-s-OFDM QPSK	270	0		18.04		19.5
		1	1		18.75		20
		1	137		18.47		20
		1	271		18.50		20
		135	0		17.72		19
		135	69		18.58		20
	DFT-s-OFDM 16QAM	135	138		17.50		19
		270	0		17.62		19
		1	1		17.58		19
		1	1		16.00		17.5
		1	1		14.00		15.5
		1	1		14.00		15.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	18.71	18.74	18.68	20
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	18.62	18.66	18.65	20
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	18.60	18.65	18.55	20
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	18.69	18.61	18.59	20
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	18.64	18.65	18.67	20
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	18.61	18.61	18.66	20
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	18.57	18.65	18.59	20
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	18.68	18.59	18.62	20
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	18.63	18.61	18.62	20
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	18.65	18.71	18.59	20
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	18.57	18.69	18.57	20

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	19.06	19.12	19.42	20
		1	137	18.80	18.96	19.31	20
		1	271	19.01	19.16	19.33	20
		135	0	18.41	18.45	18.83	19.5
		135	69	18.87	18.97	19.12	20
		135	138	18.48	18.57	18.93	19.5
	DFT-s-OFDM QPSK	270	0	18.40	18.61	18.86	19.5
		1	1	19.11	19.28	19.59	20
		1	137	18.95	19.06	19.37	20
		1	271	18.95	19.25	19.57	20
		135	0	17.99	18.12	18.38	19
		135	69	18.82	18.98	19.29	20
	DFT-s-OFDM 16QAM	135	138	18.03	18.23	18.47	19
		270	0	17.93	17.99	18.34	19
		1	1	17.80	18.11	18.07	19
		1	1	16.13	16.01	16.33	17.5
		1	1	13.75	14.00	14.05	15.5
		1	1	13.75	14.00	14.05	15.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	18.96	19.13	19.50	20
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	19.07	19.27	19.50	20
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	18.98	19.27	19.50	20
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	18.99	19.19	19.47	20
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	19.06	19.20	19.54	20
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	19.08	19.17	19.48	20
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	19.08	19.20	19.47	20
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	19.09	19.27	19.55	20
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	18.97	19.23	19.56	20
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	19.08	19.15	19.54	20
BW	MCS Index	Channel		646634	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	18.99	19.23	19.47	20

Receiver on_DS12_ENDC

CA_R8 (Ant2)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
20450	829	20549	838.9	QPSK	1	49	1	0	24.87	24.5	24.5
				16QAM	1	49	1	0	23.97	24.5	24.5
				64QAM	1	49	1	0	21.35	23.5	23.5
				256QAM	1	49	1	0	19.93	20.5	20.5
				QPSK	1	49	1	0	24.81	24.5	24.5
20476	831.6	20575	841.5	16QAM	1	49	1	0	23.92	24.5	24.5
				64QAM	1	49	1	0	21.30	23.5	23.5
				256QAM	1	49	1	0	19.90	20.5	20.5
				QPSK	1	49	1	0	24.74	24.5	24.5
				16QAM	1	49	1	0	23.91	24.5	24.5
20501	834.1	20600	844	64QAM	1	49	1	0	21.37	23.5	23.5
				256QAM	1	49	1	0	19.95	20.5	20.5
				QPSK	1	49	1	0	24.82	24.5	24.5
				16QAM	1	49	1	0	23.96	24.5	24.5
				64QAM	1	49	1	0	21.37	23.5	23.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
20450	829	20522	836.2	QPSK	1	49	1	0	24.79	24.5	24.5
				16QAM	1	49	1	0	23.91	24.5	24.5
				64QAM	1	49	1	0	21.21	23.5	23.5
				256QAM	1	49	1	0	19.81	20.5	20.5
				QPSK	1	49	1	0	24.82	24.5	24.5
20500	834	20572	841.2	16QAM	1	49	1	0	22.96	24.5	24.5
				64QAM	1	49	1	0	21.96	23.5	23.5
				256QAM	1	49	1	0	19.90	20.5	20.5
				QPSK	1	49	1	0	24.85	24.5	24.5
				16QAM	1	49	1	0	23.85	24.5	24.5
20550	839	20622	846.2	64QAM	1	49	1	0	21.28	23.5	23.5
				256QAM	1	49	1	0	19.88	20.5	20.5
				QPSK	1	49	1	0	24.80	24.5	24.5
				16QAM	1	49	1	0	23.80	24.5	24.5
				64QAM	1	49	1	0	21.28	23.5	23.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
20428	829.9	20500	834	QPSK	1	24	1	0	24.77	24.5	24.5
				16QAM	1	24	1	0	23.83	24.5	24.5
				64QAM	1	24	1	0	21.19	23.5	23.5
				256QAM	1	24	1	0	19.79	20.5	20.5
				QPSK	1	24	1	0	24.65	24.5	24.5
20478	831.8	20550	839	16QAM	1	24	1	0	22.96	24.5	24.5
				64QAM	1	24	1	0	21.96	23.5	23.5
				256QAM	1	24	1	0	19.89	20.5	20.5
				QPSK	1	24	1	0	24.80	24.5	24.5
				16QAM	1	24	1	0	23.79	24.5	24.5
20528	836.8	20600	844	64QAM	1	24	1	0	21.25	23.5	23.5
				256QAM	1	24	1	0	19.88	20.5	20.5
				QPSK	1	24	1	0	24.80	24.5	24.5
				16QAM	1	24	1	0	23.79	24.5	24.5
				64QAM	1	24	1	0	21.25	23.5	23.5
Combination 3MHz+5MHz (15RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
20425	826.5	20464	830.4	QPSK	1	24	1	0	24.83	24.5	24.5
				16QAM	1	24	1	0	23.94	24.5	24.5
				64QAM	1	24	1	0	21.26	23.5	23.5
				256QAM	1	24	1	0	19.73	20.5	20.5
				QPSK	1	24	1	0	24.65	24.5	24.5
20510	836	20540	838.9	16QAM	1	24	1	0	22.95	24.5	24.5
				64QAM	1	24	1	0	21.16	23.5	23.5
				256QAM	1	24	1	0	19.86	20.5	20.5
				QPSK	1	24	1	0	24.59	24.5	24.5
				16QAM	1	24	1	0	23.87	24.5	24.5
20595	843.5	20634	847.4	64QAM	1	24	1	0	21.20	23.5	23.5
				256QAM	1	24	1	0	19.74	20.5	20.5
				QPSK	1	24	1	0	24.80	24.5	24.5
				16QAM	1	24	1	0	23.79	24.5	24.5
				64QAM	1	24	1	0	21.25	23.5	23.5

CA_R66 (Ant1)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
130022	1715	132121	1724.9	QPSK	1	49	1	0	23.86	24.5	24.5
				16QAM	1	49	1	0	23.96	24.5	24.5
				64QAM	1	49	1	0	21.73	22.5	22.5
				256QAM	1	49	1	0	19.11	19.5	19.5
				QPSK	1	49	1	0	23.92	24.5	24.5
132373	1750.1	132472	1760	16QAM	1	49	1	0	23.25	23.5	23.5
				64QAM	1	49	1	0	21.69	22.5	22.5
				256QAM	1	49	1	0	19.34	19.5	19.5
				QPSK	1	49	1	0	23.78	24.5	24.5
				16QAM	1	49	1	0	23.21	23.5	23.5
132623	1765.1	132602	1775	64QAM	1	49	1	0	21.63	22.5	22.5
				256QAM	1	49	1	0	19.12	19.5	19.5
				QPSK	1	49	1	0	23.82	24.5	24.5
				16QAM	1	49	1	0	23.71	24.5	24.5
				64QAM	1	49	1	0	21.62	22.5	22.5
Combination 10MHz+5MHz (75RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
132047	1717.5	132145	1726.8	QPSK	1	74	1	0	23.75	24.5	24.5
				16QAM	1	74	1	0	23.16	23.5	23.5
				64QAM	1	74	1	0	21.58	22.5	22.5
				256QAM	1	74	1	0	19.91	19.5	19.5
				QPSK	1	74	1	0	23.71	24.5	24.5
132398	1752.6	132491	1761.9	16QAM	1	74	1	0	23.05	23.5	23.5
				64QAM	1	74	1	0	21.50	22.5	22.5
				256QAM	1	74	1	0	19.81	19.5	19.5
				QPSK	1	74	1	0	23.60	24.5	24.5
				16QAM	1	74	1	0	23.10	23.5	23.5
132545	1767.7	132642	1777	64QAM	1	74	1	0	21.44	22.5	22.5
				256QAM	1	74	1	0	19.03	19.5	19.5
				QPSK	1	74	1	0	23.80	24.5	24.5
				16QAM	1	74	1	0	23.10	23.5	23.5
				64QAM	1	74	1	0	21.45	22.5	22.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
132002	1713	132096	1722.3	QPSK	1	24	1	0	23.69	24.5	24.5
				16QAM	1	24	1	0	23.14	23.5	23.5
				64QAM	1	24	1	0	21.94	22.5	22.5
				256QAM	1	24	1	0	19.91	19.5	19.5
				QPSK	1	24	1	0	23.78	24.5	24.5
132353	1748.1	132446	1757.4	16QAM	1	24	1	0	22.95	24.5	24.5
				64QAM	1	24	1	0	21.45	22.5	22.5
				256QAM	1	24	1	0	19.91	19.5	19.5
				QPSK	1	24	1	0	23.78	24.5	24.5
				16QAM	1	24	1	0	23.10	23.5	23.5
132604	1763.2	132597	1772.6	64QAM	1	24	1	0	21.38	22.5	22.5
				256QAM	1	24	1	0	19.02	19.5	19.5
				QPSK	1	24	1	0	23.80	24.5	24.5
				16QAM	1	24	1	0	23.10	23.5	23.5
				64QAM	1	24	1	0	21.39	22.5	22.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
132022	1715	132096	1722.2	QPSK	1	49	1	0	23.63	24.5	24.5
				16QAM	1	49	1	0	23.23	23.5	23.5
				64QAM	1	49	1	0	21.37	22.5	22.5
				256QAM	1	49	1	0	19.99	19.5	19.5
				QPSK	1	49	1	0	23.67	24.5	24.5
132397	1752.5	132469	1759.7	16QAM	1	49	1	0	23.13	23.5	23.5
				64QAM	1	49	1	0	21.54	22.5	22.5
				256QAM	1	49	1	0	19.74	19.5	19.5
				QPSK	1	49	1	0	23.67	24.5	24.5
				16QAM	1	49	1	0	23.05	23.5	23.5
132672	1770	132648	1777.2	64QAM	1	49	1	0	21.44	22.5	22.5
				256QAM	1	49	1	0	19.03	19.5	19.5
				QPSK	1	49	1	0	23.80	24.5	24.5
				16QAM	1	49	1	0	23.10	23.5	23.5
				64QAM	1	49	1	0	21.45	22.5	22.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
132000	1712.8	132072	1720	16QAM	1	24	1	0	23.11	23.5	23.5
				64QAM	1	24	1	0	21.52	22.5	22.5
				256QAM	1	24	1	0	19.03	19.5	19.5
				QPSK	1	24	1	0	23.74	24.5	24.5
				16QAM	1	24	1	0	23.06	23.5	23.5
132373	1750.3	132447	1757.6	64QAM	1	24	1	0	21.54	22.5	22.5
				256QAM	1	24	1	0	19.79	19.5	19.5
				QPSK	1	24	1	0	23.63	24.5	24.5
				16QAM	1	24	1	0	23.09	23.5	23.5
				64QAM	1	24	1	0	21.46	22.5	22.5
132650	1767.8	132622	1775	256QAM	1	24	1	0	19.07	19.5	19.5
				QPSK	1	24	1	0	23.77	24.5	24.5
				16QAM	1	24	1	0	23.07	23.5	23.5
				64QAM	1	24	1	0	21.47	22.5	22.5
				256QAM	1	24	1	0	19.07	19.5	19.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
131997	1712.5	132045	1717.3	16QAM	1	24	1	0	23.60	24.5	24.5
				64QAM	1	24	1	0	21.39	22.5	22.5
				256QAM	1	24	1	0	19.91	19.5	19.5
				QPSK	1	24	1	0	23.74	24.5	24.5
				16QAM	1	24	1	0	23.07	23.5	23.5
132398	1753.5	132448	1762.3	64QAM	1	24	1	0	21.48	22.5	22.5
				256QAM	1	24	1	0	19.73	19.5	19.5
				QPSK	1	24	1	0	23.73	24.5	24.5
				16QAM	1	24	1	0	23.04	23.5	23.5
				64QAM	1	24	1	0	21.49	22.5	22.5
132699	1772.7	132647	1777.6	16QAM	1	24	1	0	23.07	23.5	23.5
				64QAM	1	24	1	0	21.47	22.5	22.5
				256QAM	1	24	1	0	19.06	19.5	19.5
				QPSK	1	24	1	0	23.75	24.5	24.5
				16QAM	1	24	1	0	23.07	23.5	23.5

CA 43C (Ann4)										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	Max. Time up Power	
55340	3560	55538	3579.8	QPSK	1	99	1	0	20.47	21
				16QAM	1	99	1	0	19.53	20
				64QAM	1	99	1	0	18.57	19
				256QAM	1	99	1	0	15.49	16
				QPSK	1	99	1	0	20.37	21
55891	3615.1	56089	3634.9	16QAM	1	99	1	0	19.58	20
				64QAM	1	99	1	0	18.60	19
				256QAM	1	99	1	0	15.52	16
				QPSK	1	99	1	0	20.64	21
				16QAM	1	99	1	0	19.64	20
56442	3670.2	56640	3690	64QAM	1	99	1	0	18.63	19
				256QAM	1	99	1	0	15.55	16
Combination 20MHz+10MHz (100RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	Max. Time up Power	
55340	3560	55511	3577.1	QPSK	1	99	1	0	20.38	21
				16QAM	1	99	1	0	19.20	20
				64QAM	1	99	1	0	18.50	19
				256QAM	1	99	1	0	15.31	16
				QPSK	1	99	1	0	20.39	21
55916	3617.6	56087	3634.7	16QAM	1	99	1	0	19.45	20
				64QAM	1	99	1	0	18.57	19
				256QAM	1	99	1	0	15.45	16
				QPSK	1	99	1	0	20.62	21
				16QAM	1	99	1	0	19.49	20
56491	3675.1	56662	3692.2	64QAM	1	99	1	0	18.49	19
				256QAM	1	99	1	0	15.51	16
Combination 10MHz+20MHz (50RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	Max. Time up Power	
55319	3557.8	55489	3574.9	QPSK	1	74	1	0	20.41	21
				16QAM	1	74	1	0	19.43	20
				64QAM	1	74	1	0	18.49	19
				256QAM	1	74	1	0	15.39	16
				QPSK	1	74	1	0	20.36	21
55883	3615.3	56064	3632.4	16QAM	1	74	1	0	19.41	20
				64QAM	1	74	1	0	18.43	19
				256QAM	1	74	1	0	15.39	16
				QPSK	1	74	1	0	20.35	21
				16QAM	1	74	1	0	19.62	20
56469	3672.6	56640	3690	64QAM	1	74	1	0	18.62	19
				256QAM	1	74	1	0	15.52	16
Combination 20MHz+10MHz (100RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	Max. Time up Power	
55340	3560	55484	3574.4	QPSK	1	99	1	0	20.49	21
				16QAM	1	99	1	0	19.41	20
				64QAM	1	99	1	0	18.51	19
				256QAM	1	99	1	0	15.46	16
				QPSK	1	99	1	0	20.41	21
55941	3620.1	56082	3634.5	16QAM	1	99	1	0	19.53	20
				64QAM	1	99	1	0	18.50	19
				256QAM	1	99	1	0	15.42	16
				QPSK	1	99	1	0	20.52	21
				16QAM	1	99	1	0	19.69	20
56541	3680.1	56680	3694.5	64QAM	1	99	1	0	18.62	19
				256QAM	1	99	1	0	15.51	16
Combination 10MHz+20MHz (50RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	Max. Time up Power	
55295	3555.9	55439	3569.9	QPSK	1	49	1	0	20.34	21
				16QAM	1	49	1	0	19.46	20
				64QAM	1	49	1	0	18.43	19
				256QAM	1	49	1	0	15.42	16
				QPSK	1	49	1	0	20.50	21
55896	3615.6	56040	3630	16QAM	1	49	1	0	19.56	20
				64QAM	1	49	1	0	18.46	19
				256QAM	1	49	1	0	15.48	16
				QPSK	1	49	1	0	20.63	21
				16QAM	1	49	1	0	19.49	20
56456	3675.6	56640	3690	64QAM	1	49	1	0	18.51	19
				256QAM	1	49	1	0	15.60	16
Combination 20MHz+5MHz (100RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	Max. Time up Power	
55340	3560	55457	3571.7	QPSK	1	99	1	0	20.32	21
				16QAM	1	99	1	0	19.42	20
				64QAM	1	99	1	0	18.50	19
				256QAM	1	99	1	0	15.33	16
				QPSK	1	99	1	0	20.44	21
55965	3622.5	56062	3634.2	16QAM	1	99	1	0	19.54	20
				64QAM	1	99	1	0	18.48	19
				256QAM	1	99	1	0	15.45	16
				QPSK	1	99	1	0	20.50	21
				16QAM	1	99	1	0	19.56	20
56590	3685	56707	3695.7	64QAM	1	99	1	0	18.56	19
				256QAM	1	99	1	0	15.57	16
Combination 5MHz+20MHz (25RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	Max. Time up Power	
55273	3553.3	55390	3565	QPSK	1	24	1	0	20.43	21
				16QAM	1	24	1	0	19.40	20
				64QAM	1	24	1	0	18.52	19
				256QAM	1	24	1	0	15.37	16
				QPSK	1	24	1	0	20.49	21
55898	3615.8	56015	3627.6	16QAM	1	24	1	0	19.54	20
				64QAM	1	24	1	0	18.56	19
				256QAM	1	24	1	0	15.45	16
				QPSK	1	24	1	0	20.58	21
				16QAM	1	24	1	0	19.56	20
56523	3678.3	56640	3690	64QAM	1	24	1	0	18.57	19
				256QAM	1	24	1	0	15.58	16

CA 41B (Ann4)									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	Max. Time up Power
55290	3555	55389	3564.9	QPSK	1	49	1	0	20.36
				16QAM	1	49	1	0	19.40
				64QAM	1	49	1	0	18.43
				256QAM	1	49	1	0	15.40
				QPSK	1	49	1	0	20.48
56041	3630.1	56140	3640	16QAM	1	49	1	0	19.48
				64QAM	1	49	1	0	18.51
				256QAM	1	49	1	0	15.40
				QPSK	1	49	1	0	20.54
				16QAM	1	49	1	0	19.63
56591	3685.1	56690	3695	64QAM	1	49	1	0	18.59
				256QAM	1	49	1	0	15.62

Sensor On/Hotspot_DSIS37_ENDC

LTE Band 2 (A-ant)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tx Power (dBm)	RB Size	RB Offset	
		Channel	1920	1980	2040					
20M	QPSK	Frequency (MHz)	1980	1980	1980	1980	1980	19.8	1980	1980
		1	0	16.28	16.24	16.23	19.5	1	0	
		1	50	16.30	16.27	16.29	19.5	1	50	
		1	100	16.32	16.31	16.31	19.5	1	100	
		50	0	17.30	17.29	17.30	19.5	50	0	
		50	50	17.32	17.30	17.32	19.5	50	50	
		50	100	17.34	17.33	17.34	19.5	50	100	
		100	0	17.42	17.32	17.38	19.5	100	0	
		100	50	17.44	17.44	17.44	19.5	100	50	
		1	50	17.51	17.54	17.49	19.5	1	50	
20M	16QAM	1	50	17.58	17.60	17.44	19.5	1	50	
		50	0	16.34	16.33	16.29	16.0	50	0	
		50	50	16.33	16.33	16.45	17.0	50	50	
		100	0	16.41	16.39	16.41	17.0	100	0	
		100	50	16.41	16.39	16.41	17.0	100	50	
		1	50	16.41	16.39	16.41	17.0	1	50	
		1	100	16.47	16.49	16.32	17.0	1	100	
		50	0	15.40	15.22	15.29	16.5	50	0	
		50	50	15.35	15.38	15.37	16.5	50	50	
		100	0	15.47	15.51	15.38	16.5	100	0	
20M	64QAM	100	50	15.46	15.46	15.46	16.5	100	50	
		1	50	13.38	13.45	13.30	14.0	1	50	
		1	99	13.48	13.52	13.31	14.0	1	99	
		50	0	13.38	13.32	13.34	14.0	50	0	
		50	25	13.47	13.44	13.38	14.0	50	25	
		50	50	13.43	13.36	13.40	14.0	50	50	
		100	0	13.38	13.40	13.34	14.0	100	0	
		100	50	13.38	13.40	13.34	14.0	100	50	
		1	50	11.38	11.45	11.30	13.0	1	50	
		1	99	11.84	11.89	11.69	13.0	1	99	
20M	QPSK	50	0	11.87	11.75	11.63	13.0	50	0	
		50	25	11.88	11.82	11.79	13.0	50	25	
		50	50	11.71	11.83	11.62	13.0	50	50	
		100	0	11.88	11.83	11.79	13.0	100	0	
		100	50	11.88	11.83	11.79	13.0	100	50	
		1	50	9.38	9.45	9.30	12.0	1	50	
		1	99	9.84	9.89	9.69	12.0	1	99	
		50	0	9.38	9.32	9.34	12.0	50	0	
		50	50	9.38	9.32	9.34	12.0	50	50	
		100	0	9.38	9.32	9.34	12.0	100	0	
20M	16QAM	100	50	9.38	9.32	9.34	12.0	100	50	
		1	50	7.38	7.45	7.30	11.0	1	50	
		1	99	7.84	7.89	7.69	11.0	1	99	
		50	0	7.38	7.32	7.34	11.0	50	0	
		50	25	7.39	7.32	7.33	11.0	50	25	
		50	50	7.21	7.33	7.12	11.0	50	50	
		100	0	7.38	7.40	7.37	11.0	100	0	
		100	50	7.38	7.40	7.37	11.0	100	50	
		1	50	5.38	5.45	5.30	10.0	1	50	
		1	99	5.84	5.89	5.69	10.0	1	99	
20M	64QAM	50	0	5.38	5.32	5.34	10.0	50	0	
		50	50	5.38	5.32	5.34	10.0	50	50	
		100	0	5.38	5.32	5.34	10.0	100	0	
		100	50	5.38	5.32	5.34	10.0	100	50	
		1	50	3.38	3.45	3.30	9.0	1	50	
		1	99	3.84	3.89	3.69	9.0	1	99	
		50	0	3.38	3.32	3.34	9.0	50	0	
		50	50	3.38	3.32	3.34	9.0	50	50	
		100	0	3.38	3.32	3.34	9.0	100	0	
		100	50	3.38	3.32	3.34	9.0	100	50	
20M	QPSK	1	50	3.38	3.32	3.34	9.0	1	50	
		1	99	3.84	3.89	3.69	9.0	1	99	
		50	0	3.38	3.32	3.34	9.0	50	0	
		50	50	3.38	3.32	3.34	9.0	50	50	
		100	0	3.38	3.32	3.34	9.0	100	0	
		100	50	3.38	3.32	3.34	9.0	100	50	
		1	50	1.38	1.45	1.30	8.0	1	50	
		1	99	1.84	1.89	1.69	8.0	1	99	
		50	0	1.38	1.32	1.34	8.0	50	0	
		50	50	1.38	1.32	1.34	8.0	50	50	
20M	16QAM	100	0	1.38	1.32	1.34	8.0	100	0	
		100	50	1.38	1.32	1.34	8.0	100	50	
		1	50	0.38	0.45	0.30	7.0	1	50	
		1	99	0.84	0.89	0.69	7.0	1	99	
		50	0	0.38	0.32	0.34	7.0	50	0	
		50	50	0.38	0.32	0.34	7.0	50	50	
		100	0	0.38	0.32	0.34	7.0	100	0	
		100	50	0.38	0.32	0.34	7.0	100	50	
		1	50	0.18	0.25	0.13	6.0	1	50	
		1	99	0.64	0.69	0.49	6.0	1	99	
20M	64QAM	50	0	0.18	0.12	0.14	6.0	50	0	
		50	50	0.18	0.12	0.14	6.0	50	50	
		100	0	0.18	0.12	0.14	6.0	100	0	
		100	50	0.18	0.12	0.14	6.0	100	50	
		1	50	0.18	0.12	0.14	6.0	1	50	
		1	99	0.64	0.69	0.49	6.0	1	99	
		50	0	0.18	0.12	0.14	6.0	50	0	
		50	50	0.18	0.12	0.14	6.0	50	50	
		100	0	0.18	0.12	0.14	6.0	100	0	
		100	50	0.18	0.12	0.14	6.0	100	50	
20M	QPSK	1	50	0.18	0.12	0.14	6.0	1	50	
		1	99	0.64	0.69	0.49	6.0	1	99	
		50	0	0.18	0.12	0.14	6.0	50	0	
		50	50	0.18	0.12	0.14	6.0	50	50	
		100	0	0.18	0.12	0.14	6.0	100	0	
		100	50	0.18	0.12	0.14	6.0	100	50	
		1	50	0.18	0.12	0.14	6.0	1	50	
		1	99	0.64	0.69	0.49	6.0	1	99	
		50	0	0.18	0.12	0.14	6.0	50	0	
20M	16QAM	50	50	0.18	0.12	0.14	6.0	50	50	
		100	0	0.18	0.12	0.14	6.0	100	0	
		100	50	0.18	0.12	0.14	6.0	100	50	
		1	50	0.18	0.12	0.14	6.0	1	50	
		1	99	0.64	0.69	0.49	6.0	1	99	
		50	0	0.18	0.12	0.14	6.0	50	0	
		50	50	0.18	0.12	0.14	6.0	50	50	
		100	0	0.18	0.12	0.14	6.0	100	0	
		100	50	0.18	0.12	0.14	6.0	100	50	
20M	64QAM	1	50	0.18	0.12	0.14	6.0	1	50	
		1	99	0.64	0.69	0.49	6.0	1	99	
		50	0	0.18	0.12	0.14	6.0	50	0	
		50	50	0.18	0.12	0.14	6.0	50	50	
		100	0	0.18	0.12	0.14	6.0	100	0	
		100	50	0.18	0.12	0.14	6.0	100	50	
		1	50	0.18	0.12	0.14	6.0	1	50	
		1	99	0.64	0.69	0.49	6.0	1	99	
		50	0	0.18	0.12	0.14	6.0	50	0	
20M	QPSK	50	50	0.18	0.12	0.14	6.0	50	50	
		100	0	0.18	0.12	0.14	6.0	100	0	
		100	50	0.18	0.12	0.14	6.0	100	50	
		1	50	0.18	0.12	0.14	6.0	1	50	
		1	99	0.64	0.69	0.49	6.0	1	99	
		50	0	0.18	0.12	0.14	6.0	50	0	
		50	50	0.18	0.12	0.14	6.0	50	50	
		100	0	0.18	0.12	0.14	6.0	100	0	
		100	50	0.18	0.12	0.14	6.0	100	50	
20M	16QAM	1	50	0.18	0.12	0.14	6.0	1	50	
		1	99	0.64	0.69	0.49	6.0	1	99	
		50	0	0.18	0.12	0.14	6.0	50	0	
		50	50	0.18	0.12	0.14	6.0	50	50	
		100	0	0.18	0.12	0.14	6.0	100	0	
		100	50	0.18	0.12	0.14	6.0	100	50	
		1	50	0.18	0.12	0.14	6.0	1	50	
		1	99	0.64	0.69	0.49	6.0	1	99	
		50	0	0.18	0.12	0.14	6.0	50	0	
20M	64QAM	50	50	0.18	0.12	0.14	6.0	50	50	
		100	0	0.18	0.12	0.14	6.0	100	0	
		100	50	0.18	0.12	0.14	6.0	100	50	
		1	50	0.18	0.12	0.14	6.0	1	50	
		1	99	0.64	0.69	0.49	6.0	1	99	
		50	0	0.18	0.12	0.14	6.0	50	0	
		50	50	0.18	0.12	0.14	6.0	50	50	
		100	0	0.18	0.12	0.14	6.0	100	0	
		100	50	0.18	0.12	0.14	6.0	100	50	
20M	QPSK	1	50	0.18	0.12	0.14	6.0	1	50	
		1	99	0.64	0.69	0.49	6.0	1	99	
		50	0	0.18	0.12	0.14	6.0	50	0	
		50	50	0.18	0.12	0.14	6.0	50	50	
		100	0	0.18	0.12	0.14	6.0	100	0	
		100	50	0.18	0.12	0.14	6.0	100	50	
		1	50	0.18	0.12	0.14	6.0	1	50	
		1	99	0.64	0.69	0.49	6.0	1	99	
		50	0	0.18	0.12	0.14	6.0	50	0	
20M	16QAM	50	50	0.18	0.12	0.14	6.0	50	50	
		100	0	0.18	0.12	0.14	6.0	100	0	
		100	50	0.18	0.12	0.14	6.0	100	50	
		1	50	0.18	0.12	0.14	6.0	1	50	
		1	99	0.64	0.69	0.49	6.0	1	99	
		50	0	0.18	0.12	0.14	6.0	50	0	
		50	50	0.18	0.12	0.14	6.0	50	50	
		100	0	0.18	0.12	0.14	6.0	100	0	
		100	50	0.18	0.12	0.14	6.0	100	50	
20M	64QAM	1	50	0.18	0.12	0.14	6.0	1	50	
		1	99	0.64	0.69	0.49	6.0	1	99	
		50	0	0.18	0.12	0.14	6.0	50	0	
		50	50	0.18	0.12	0.14	6.0	50	50	
		100	0	0.18	0.12	0.14	6.0	100	0	
		100	50	0.18	0.12	0.14	6.0	100	50	
		1	50	0.18	0.12	0.14	6.0	1	50	
		1	99	0.64	0.69	0.49	6.0	1	99	
		50	0	0.18	0.12	0.14	6.0	50	0	
20M	QPSK	50	50	0.18	0.12	0.14	6.0	50	50	
		100	0	0.18	0.12	0.14	6.0	100	0	
		100	50	0.18	0.12	0.14	6.0	100	50	
		1	50	0.18	0.12	0.14	6.0	1	50	

		LTE Band 4 (Aust)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Turn-up (MHz)				
		Channel	2015	2015	2015	2015	2015	2015	2015	2015	2015
20M	QPSK	1	0	17.31	17.32	18.3	18.3	17.31	17.32	18.3	18.3
		1	50	17.32	17.32	17.32	18.3	17.32	17.32	17.32	18.3
		1	99	17.32	17.32	18.3	18.3	17.32	17.32	17.32	18.3
		50	0	18.23	18.31	18.29	17.5	18.23	18.31	18.29	17.5
		50	50	18.33	18.40	18.36	17.5	18.33	18.40	18.36	17.5
		100	0	18.34	18.38	18.30	17.5	18.34	18.38	18.30	17.5
		100	50	18.41	18.44	18.38	17.5	18.41	18.44	18.38	17.5
		1	50	18.52	18.57	18.52	17.5	18.52	18.57	18.52	17.5
		1	99	18.62	18.69	18.61	17.5	18.62	18.69	18.61	17.5
		50	0	19.38	19.48	19.46	18.5	19.38	19.48	19.46	18.5
10M	QPSK	1	0	18.77	18.88	18.83	18.5	18.77	18.88	18.83	18.5
		1	50	18.91	18.99	18.96	18.5	18.91	18.99	18.96	18.5
		1	99	19.09	19.13	19.01	18.5	19.09	19.13	19.01	18.5
		50	0	19.46	19.45	19.40	18.5	19.46	19.45	19.40	18.5
		50	50	19.45	19.46	19.41	18.5	19.45	19.46	19.41	18.5
		100	0	19.59	19.60	19.58	18.5	19.59	19.60	19.58	18.5
		100	50	19.60	19.61	19.59	18.5	19.60	19.61	19.59	18.5
		1	50	19.68	19.69	19.68	18.5	19.68	19.69	19.68	18.5
		1	99	19.67	19.68	19.67	18.5	19.67	19.68	19.67	18.5
		50	0	19.87	19.88	19.87	18.5	19.87	19.88	19.87	18.5
5M	QPSK	1	0	19.87	19.88	19.87	18.5	19.87	19.88	19.87	18.5
		1	50	19.87	19.88	19.87	18.5	19.87	19.88	19.87	18.5
		1	99	19.87	19.88	19.87	18.5	19.87	19.88	19.87	18.5
		50	0	19.87	19.88	19.87	18.5	19.87	19.88	19.87	18.5
		50	50	19.87	19.88	19.87	18.5	19.87	19.88	19.87	18.5
		100	0	19.87	19.88	19.87	18.5	19.87	19.88	19.87	18.5
		100	50	19.87	19.88	19.87	18.5	19.87	19.88	19.87	18.5
		1	50	19.87	19.88	19.87	18.5	19.87	19.88	19.87	18.5
		1	99	19.87	19.88	19.87	18.5	19.87	19.88	19.87	18.5
		50	0	19.87	19.88	19.87	18.5	19.87	19.88	19.87	18.5

		LTE Band 5 (Aust)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Turn-up (MHz)				
		Channel	2015	2015	2015	2015	2015	2015	2015	2015	2015
20M	QPSK	1	0	24.24	24.21	24.28	25.5	24.24	24.21	24.28	25.5
		1	24	24.25	24.20	24.24	25.5	24.25	24.20	24.24	25.5
		1	49	24.17	24.14	24.17	25.5	24.17	24.14	24.17	25.5
		25	0	25.20	25.20	25.24	24.5	25.20	25.20	25.24	24.5
		25	25	25.27	25.26	25.28	24.5	25.27	25.26	25.28	24.5
		50	0	26.28	26.13	26.28	24.5	26.28	26.13	26.28	24.5
		50	50	26.29	26.16	26.29	24.5	26.29	26.16	26.29	24.5
		1	24	26.35	26.36	26.34	24.5	26.35	26.36	26.34	24.5
		1	49	26.37	26.38	26.32	24.5	26.37	26.38	26.32	24.5
		25	0	27.30	27.30	27.32	23.5	27.30	27.30	27.32	23.5
10M	QPSK	1	0	27.44	27.45	27.46	23.5	27.44	27.45	27.46	23.5
		1	24	27.46	27.46	27.46	23.5	27.46	27.46	27.46	23.5
		1	49	27.49	27.49	27.49	23.5	27.49	27.49	27.49	23.5
		25	0	28.44	28.44	28.44	22.5	28.44	28.44	28.44	22.5
		25	25	28.45	28.45	28.45	22.5	28.45	28.45	28.45	22.5
		50	0	29.44	29.44	29.44	22.5	29.44	29.44	29.44	22.5
		50	50	29.45	29.45	29.45	22.5	29.45	29.45	29.45	22.5
		100	0	30.44	30.44	30.44	22.5	30.44	30.44	30.44	22.5
		100	50	30.45	30.45	30.45	22.5	30.45	30.45	30.45	22.5
		1	24	30.46	30.46	30.46	22.5	30.46	30.46	30.46	22.5
5M	QPSK	1	0	30.46	30.46	30.46	22.5	30.46	30.46	30.46	22.5
		1	24	30.46	30.46	30.46	22.5	30.46	30.46	30.46	22.5
		1	49	30.46	30.46	30.46	22.5	30.46	30.46	30.46	22.5
		25	0	31.46	31.46	31.46	21.5	31.46	31.46	31.46	21.5
		25	25	31.46	31.46	31.46	21.5	31.46	31.46	31.46	21.5
		50	0	32.46	32.46	32.46	21.5	32.46	32.46	32.46	21.5
		50	50	32.46	32.46	32.46	21.5	32.46	32.46	32.46	21.5
		100	0	33.46	33.46	33.46	21.5	33.46	33.46	33.46	21.5
		100	50	33.46	33.46	33.46	21.5	33.46	33.46	33.46	21.5
		1	24	33.46	33.46	33.46	21.5	33.46	33.46	33.46	21.5

		LTE Band 7 (Aust)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Turn-up (MHz)				
		Channel	2015	2015	2015	2015	2015	2015	2015	2015	2015
20M	QPSK	1	0	23.23	23.23	23.18	24.5	23.23	23.23	23.18	24.5
		1	50	23.19	23.20	23.13	24.5	23.19	23.20	23.13	24.5
		1	99	23.14	23.13	23.08	24.5	23.14	23.13	23.08	24.5
		50	0	22.19	22.22	22.13	23.5	22.19	22.22	22.13	23.5
		50	50	22.16	22.16	22.16	23.5	22.16	22.16	22.16	23.5
		100	0	22.18	22.18	22.13	23.5	22.18	22.18	22.13	23.5
		100	50	22.21	22.23	22.15	23.5	22.21	22.23	22.15	23.5
		1	50	22.46	22.46	22.46	23.5	22.46	22.46	22.46	23.5
		1	99	22.55	22.43	22.28	23.5	22.55	22.43	22.28	23.5
		50	0	21.32	21.13	21.18	23.5	21.32	21.13	21.18	23.5
10M	QPSK	1	0	21.43	21.32	21.29	23.5	21.43	21.32	21.29	23.5
		1	50	21.32	21.17	21.24	23.5	21.32	21.17	21.24	23.5
		1	99	21.09	21.13	21.08	23.5	21.09	21.13	21.08	23.5
		50	0	20.35	20.21	20.14	21.5	20.35	20.21	20.14	21.5
		50	50	20.33	20.16	20.11	21.5	20.33	20.16	20.11	21.5
		100	0	20.29	20.17	20.10	21.5	20.29	20.17	20.10	21.5
		100	50	20.28	20.17	20.10	21.5	20.28	20.17	20.10	21.5
		1	50	18.32	18.21	18.21	19.5	18.32	18.21	18.21	19.5
		1	99	18.37	18.16	18.16	19.5	18.37	18.16	18.16	19.5
		50	0	18.38	18.17	18.16	19.5	18.38	18.17	18.16	19.5
5M	QPSK	1	0	18.37	18.16	18.16	19.5	18.37	18.16	18.16	19.5
		1	50	18.37	18.16	18.16	19.5	18.37	18.16	18.16	19.5
		1	99	18.37	18.16	18.16	19.5	18.37	18.16	18.16	19.5
		50	0	18.37	18.16	18.16	19.5	18.37	18.16	18.16	19.5
		50	50	18.37	18.16	18.16	19.5	18.37	18.16	18.16	19.5
		100	0	18.37	18.16	18.16	19.5	18.37	18.16	18.16	19.5
		100	50	18.37	18.16	18.16	19.5	18.37	18.16	18.16	19.5
		1	50	18.37	18.16	18.16	19.5	18.37	18.16	18.16	19.5
		1	99	18.37	18.16	18.16	19.5	18.37	18.16	18.16	19.5
		50	0	18.37	18.16	18.16	19.5	18.37	18.16	18.16	19.5

BW	Modulation	LTE Band 8 (Aust)									
		Channel	1995	2015	2015	2035	Max. Turn-up (MHz)				
20M	QPSK	Frequency (MHz)	17.31	17.32	17.32	17.32	17.32				
		1	7	18.00	18.00	17.50	18.0				
		1	50	17.32	17.32	17.32	18.0				
		1	99	17.32	17.32	18.30	18.0				
		50	0	18.26	18.26	17.50	17.5				
		15	0	18.04	18.04	18.04	17.5				
		1	0	18.00	18.21	18.00	17.5				
		1	50	18.26	18.26	18.26	18.0				
		1	14	18.49	18.32	18.18	17.7				
		15	0	18.24	18.00	18.00	18.0				
10M	QPSK	1	3	18.04	18.00	18.01	18.0				
		8	7	18.13	18.02	18.04	18.5				
		15	0	18.00	18.00	18.00	18.0				
		3M	QPSK	1	0	18.08	18.38	18.24	18.5		
				1	7	18.35	18.21	18.08	18.5		
				14	12	18.42	18.42	18.20	18.5		
				1	0	18.02	18.30	18.20	18.5		
				8	3	18.11	18.28	18.20	18.5		
				15	7	18.12	18.30	18.20	18.5		
				15	0	18.00	18.00	18.25	18.5		
1	0			18.01	18.21	18.17	18.5				
1	7			18.24	18.25	18.25	18.5				
1	14			18.21	18.11	18.24	18.5				
20M	QPSK	1	0	18.08	18.22	18.20	18.5				
		8	3	18.21	18.24	18.20	18.5				
		15	7	18.12	18.12	18.20	18.5				
		15	0	18.21	18.24	18.20	18.5				
		5M	Modulation	Channel	1995	2015	2035	Max. Turn-up (MHz)			
				Frequency (MHz)	17.31	17.32	17.32	17.32			
				1	2	17.55	17.64	18.08	18.0		
				1	50	17.15	17.27	17.68	18.0		
				1	99	17.32	17.32	17.32	18.0		
				50	0	18.02	17.03	17.36	18.0		
1	0			18.00	18.00	18.01	17.5				
1	0			18.19	18.21	18.14	17.5				
1	50			18.24	18.24	18.24	18.0				
1	5			18.38	18.02	18.04	17.5				
10M	QPSK	1	0	18.09	18.00	18.06	17.5				
		1	50	18.00	18.00	18.00	17.5				
		1	5	18.16	18.04	18.03	17.5				
		1	0	18.02	18.15	18.23	18.0				
		1	50	18.25	18.25	18.25	18.0				
		1	2	18.21	18.42	18.27	18.5				
		1	50	18.42	18.42	18.38	18.0				
		1	0	18.00	18.02	18.15	18.5				
		1	1	18.01	18.03	18.05	18.5				
		1	2	18.11	18.20	18.18	18.5				
14M	QPSK	1	0	18.11	18.05	18.16	18.5				
		1	0	18.29	18.20	18.18	18.5				
		1	2	18.11	18.20	18.18	18.5				
		1	6	18.13	18.21	18.07	18.5				
		1	50	18.20	18.20	18.18	18.5				
		1	1	18.02	18.10	18.08	18.5				
		3	3	18.08	18.07	18.12	18.5				
		3	3	18.08	18.08	18.12	18.5				
		3	3	18.08	18.08	18.12	18.5				
		3	3	18.08	18.08	18.12	18.5				

LTE Band 12 (Aar2)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (MHz)	RB Size	RB Offset
		Channel	20MHz	20MHz	20MHz	20MHz			
10M	QPSK	Frequency (MHz)	786	787.5	791	795	Max. Time-up (MHz)	QPSK	Frequency (MHz)
		1	0	24.15	24.20	24.21			
		1	24	24.20	24.24	24.22			
		1	49	24.15	24.11	24.08			
		25	0	23.20	23.21	23.19			
	16QAM	25	25	23.24	23.25	23.18			
		50	0	23.25	23.26	23.20			
		50	25	23.24	23.28	23.24			
		1	24	23.45	23.48	23.42			
		1	49	23.37	23.31	23.31			
10M	16QAM	25	0	22.22	22.20	22.22			
		25	12	22.30	22.22	22.16			
		25	25	22.24	22.26	22.10			
		50	0	22.27	22.23	22.20			
		1	0	22.44	22.44	22.34			
	64QAM	1	24	22.45	22.47	22.35			
		1	49	22.20	22.20	22.20			
		25	0	21.20	21.21	21.20			
		25	25	21.27	21.24	21.21			
250M	16QAM	25	0	21.20	21.23	21.21			
		50	0	21.25	21.18	21.28			
		1	0	19.34	19.31	19.45			
		1	24	19.37	19.36	19.39			
		49	19.23	19.34	19.33				
	256QAM	25	0	19.22	19.24	19.24			
		25	12	19.33	19.27	19.30			
		25	25	19.34	19.29	19.32			
		50	0	19.34	19.29	19.32			
BW	Modulation	Channel <td>20MHz</td> <td>20MHz</td> <td>20MHz</td> <td>20MHz</td> <td rowspan="2">Max. Time-up (MHz)</td> <td rowspan="2">Modulation</td> <td rowspan="2">Channel</td>	20MHz	20MHz	20MHz	20MHz	Max. Time-up (MHz)	Modulation	Channel
		Frequency (MHz)	786.5	787.5	790.5	795.5			
		1	0	24.04	24.08	24.12	25.0	QPSK	Frequency (MHz)
		1	14	24.02	24.04	24.13			
		1	24	23.98	24.04	24.05			
	12	0	23.08	23.10	23.18				
	16QAM	12	6	23.12	23.23	23.03			
		12	13	23.17	23.26	23.30			
		25	0	23.18	23.13	23.18			
1		0	23.34	23.32	23.40				
1		12	23.43	23.36	23.43				
10M	16QAM	12	24	23.33	23.16	23.16			
		12	0	22.11	22.26	22.14			
		12	6	22.25	22.18	22.18			
		25	0	22.18	22.24	22.13			
		1	0	22.36	22.32	22.33			
	64QAM	1	12	22.36	22.45	22.28			
		1	24	22.27	22.16	22.25			
		12	0	21.00	21.12	21.02			
		12	6	21.04	21.08	21.05			
250M	16QAM	12	13	21.08	21.08	21.08			
		25	0	21.04	21.15	21.02			
		1	0	19.16	19.16	19.03			
		1	12	19.13	19.12	19.07			
		1	24	19.12	19.10	19.20			
	256QAM	12	0	19.00	19.13	19.08			
		12	6	19.01	19.09	19.04			
		12	13	19.12	19.09	19.10			
		25	0	19.12	19.05	19.22			
BW	Modulation	Channel <td>20MHz</td> <td>20MHz</td> <td>20MHz</td> <td>20MHz</td> <td rowspan="2">Max. Time-up (MHz)</td> <td rowspan="2">Modulation</td> <td rowspan="2">Channel</td>	20MHz	20MHz	20MHz	20MHz	Max. Time-up (MHz)	Modulation	Channel
		Frequency (MHz)	786.5	787.5	790.5	795.5			
		1	0	24.05	24.09	24.11	25.0	QPSK	Frequency (MHz)
		1	7	24.02	24.16	24.11			
		1	14	24.05	24.05	24.04			
	8	0	23.11	23.20	23.08				
	16QAM	8	7	23.10	23.18	23.18			
		8	7	23.20	23.18	23.18			
		16	0	23.21	23.13	23.18			
1		0	23.42	23.42	23.45				
1		7	23.33	23.33	23.43				
10M	16QAM	1	14	23.34	23.16	23.17			
		8	0	22.26	22.18	22.07			
		8	3	22.24	22.18	22.11			
		8	7	22.22	22.11	22.19			
		15	0	22.19	22.13	22.14			
	64QAM	1	0	22.37	22.38	22.31			
		1	7	22.38	22.46	22.34			
		12	14	22.28	22.28	22.27			
		8	0	21.16	21.30	21.09			
250M	16QAM	8	3	21.36	21.32	21.31			
		8	7	21.10	21.16	21.13			
		16	0	21.12	21.17	21.15			
		1	0	19.24	19.20	19.40			
		1	7	19.30	19.30	19.24			
	256QAM	1	14	19.16	19.19	19.20			
		8	0	19.10	19.22	19.22			
		8	3	19.27	19.12	19.27			
		8	7	19.21	19.21	19.19			
BW	Modulation	Channel <td>20MHz</td> <td>20MHz</td> <td>20MHz</td> <td>20MHz</td> <td rowspan="2">Max. Time-up (MHz)</td> <td rowspan="2">Modulation</td> <td rowspan="2">Channel</td>	20MHz	20MHz	20MHz	20MHz	Max. Time-up (MHz)	Modulation	Channel
		Frequency (MHz)	786.5	787.5	790.5	795.5			
		1	0	24.05	24.09	24.11	25.0	QPSK	Frequency (MHz)
		1	2	24.10	24.20	24.21			
		1	14	24.05	24.05	24.04			
	1	0	23.07	23.09	23.09				
	16QAM	3	1	24.00	24.05	23.09			
		5	0	23.28	23.28	23.41			
		8	0	23.29	23.44	23.38			
8		3	23.36	23.38	23.48				
1		5	23.31	23.25	23.27				
10M	16QAM	1	0	23.01	23.06	22.91			
		3	3	23.06	22.91	22.92			
		3	3	22.83	23.03	22.94			
		6	0	23.13	23.20	23.26			
		1	0	22.30	22.29	22.26			
	64QAM	1	2	22.41	22.37	22.34			
		5	23.15	22.21	22.27				
		3	0	22.10	21.89	21.98			
		3	1	22.07	22.06	22.05			
250M	16QAM	3	1	22.04	21.93	21.91			
		6	0	21.15	21.06	21.18			
		6	0	21.31	21.31	21.31			
		1	2	19.28	19.31	19.35			
		5	5	19.08	19.22	19.30			
	256QAM	5	0	19.12	19.16	19.25			
		3	1	19.27	19.20	19.26			
		3	3	19.28	19.19	19.23			
		3	1	19.28	19.17	19.21			

LTE Band 40 (An14)													
BW	MCS Index	RB Index	RB Size	RB Offset	Channel	RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)		
20M	QPSK	1	0	18.88	18.79	18.88	20	1	18.88	18.79	18.88		
		1	20	19.00	18.83	19.00	20	1	19.00	18.83	19.00		
		1	39	19.00	18.80	19.00	20	1	19.00	18.80	19.00		
		50	0	18.01	17.70	18.01	16	50	18.01	17.70	18.01		
		50	20	18.08	17.78	18.08	16	50	18.08	17.78	18.08		
		100	0	17.08	17.84	18.15	16	100	17.08	17.84	18.15		
		100	20	17.08	17.87	18.15	16	100	17.08	17.87	18.15		
		1	39	17.87	17.76	18.06	16	1	17.87	17.76	18.06		
		1	59	17.87	17.78	17.96	16	1	17.87	17.78	17.96		
		50	0	17.08	16.73	17.08	16	50	17.08	16.73	17.08		
10M	16QAM	1	0	17.01	16.82	17.08	16	1	17.01	16.82	17.08		
		50	0	17.04	16.92	17.24	16	50	17.04	16.92	17.24		
		100	0	17.01	16.81	17.08	16	100	17.01	16.81	17.08		
		1	0	17.04	16.77	17.09	16	1	17.04	16.77	17.09		
		1	20	16.96	16.75	17.14	16	1	16.96	16.75	17.14		
		1	39	17.04	16.86	17.11	16	1	17.04	16.86	17.11		
		50	0	16.08	15.70	16.09	16	50	16.08	15.70	16.09		
		50	20	16.08	15.78	16.16	16	50	16.08	15.78	16.16		
		100	0	15.08	15.77	16.05	17	100	15.08	15.77	16.05		
		1	0	15.08	15.76	16.13	16	1	15.08	15.76	16.13		
20M	16QAM	1	0	14.03	13.84	14.10	15	1	14.03	13.84	14.10		
		1	39	13.91	13.84	14.15	15	1	13.91	13.84	14.15		
		50	0	14.06	13.77	14.09	15	50	14.06	13.77	14.09		
		50	25	14.12	13.68	14.18	15	50	14.12	13.68	14.18		
		100	0	14.02	13.68	14.15	15	100	14.02	13.68	14.15		
		100	0	14.12	13.52	14.14	14	100	14.12	13.52	14.14		
		LTE Band 40 (An14)											
		BW	MCS Index	RB Index	RB Size	RB Offset	Channel	RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)
		20M	QPSK	1	0	18.88	18.76	18.76	20	1	18.88	18.76	18.76
1	20			18.88	18.81	18.82	20	1	18.88	18.81	18.82		
1	39			17.88	17.65	17.65	16	1	17.88	17.65	17.65		
38	19			17.88	17.84	18.07	16	38	19	17.88	18.07		
38	39			18.00	17.78	18.09	16	38	39	18.00	17.78		
75	0			17.82	17.78	18.03	16	75	0	17.82	17.78		
1	0			17.82	17.62	17.69	16	1	17.82	17.62	17.69		
1	20			17.78	17.71	17.99	16	1	17.78	17.71	17.99		
1	39			17.84	17.65	17.82	16	1	17.84	17.65	17.82		
38	0			16.08	15.70	16.08	16	38	0	16.08	15.70	16.08	
10M	16QAM	1	0	16.08	15.78	16.08	16	1	16.08	15.78	16.08		
		50	0	15.08	15.64	15.73	15	50	15.08	15.64	15.73		
		50	20	15.08	15.68	15.71	15	50	15.08	15.68	15.71		
		100	0	14.08	13.88	14.15	15	100	14.08	13.88	14.15		
		100	0	14.12	13.52	14.14	14	100	14.12	13.52	14.14		
		LTE Band 40 (An14)											
		BW	MCS Index	RB Index	RB Size	RB Offset	Channel	RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)
		20M	QPSK	1	0	18.88	18.76	18.76	20	1	18.88	18.76	18.76
				1	20	18.88	18.81	18.82	20	1	18.88	18.81	18.82
1	39			17.88	17.65	17.65	16	1	17.88	17.65	17.65		
38	19			17.88	17.84	18.07	16	38	19	17.88	18.07		
38	39			18.00	17.78	18.09	16	38	39	18.00	17.78		
75	0			17.82	17.78	18.03	16	75	0	17.82	17.78		
1	0			17.82	17.62	17.69	16	1	17.82	17.62	17.69		
1	20			17.78	17.71	17.99	16	1	17.78	17.71	17.99		
1	39			17.84	17.65	17.82	16	1	17.84	17.65	17.82		
38	0			16.08	15.70	16.08	16	38	0	16.08	15.70	16.08	
10M	16QAM	1	0	16.08	15.78	16.08	16	1	16.08	15.78	16.08		
		50	0	15.08	15.64	15.73	15	50	15.08	15.64	15.73		
		50	20	15.08	15.68	15.71	15	50	15.08	15.68	15.71		
		100	0	14.08	13.88	14.15	15	100	14.08	13.88	14.15		
		100	0	14.12	13.52	14.14	14	100	14.12	13.52	14.14		
		LTE Band 40 (An14)											
		BW	MCS Index	RB Index	RB Size	RB Offset	Channel	RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)
		20M	QPSK	1	0	18.88	18.76	18.76	20	1	18.88	18.76	18.76
				1	20	18.88	18.81	18.82	20	1	18.88	18.81	18.82
1	39			17.88	17.65	17.65	16	1	17.88	17.65	17.65		
38	19			17.88	17.84	18.07	16	38	19	17.88	18.07		
38	39			18.00	17.78	18.09	16	38	39	18.00	17.78		
75	0			17.82	17.78	18.03	16	75	0	17.82	17.78		
1	0			17.82	17.62	17.69	16	1	17.82	17.62	17.69		
1	20			17.78	17.71	17.99	16	1	17.78	17.71	17.99		
1	39			17.84	17.65	17.82	16	1	17.84	17.65	17.82		
38	0			16.08	15.70	16.08	16	38	0	16.08	15.70	16.08	
10M	16QAM	1	0	16.08	15.78	16.08	16	1	16.08	15.78	16.08		
		50	0	15.08	15.64	15.73	15	50	15.08	15.64	15.73		
		50	20	15.08	15.68	15.71	15	50	15.08	15.68	15.71		
		100	0	14.08	13.88	14.15	15	100	14.08	13.88	14.15		
		100	0	14.12	13.52	14.14	14	100	14.12	13.52	14.14		
		LTE Band 40 (An14)											
		BW	MCS Index	RB Index	RB Size	RB Offset	Channel	RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)
		20M	QPSK	1	0	18.88	18.76	18.76	20	1	18.88	18.76	18.76
				1	20	18.88	18.81	18.82	20	1	18.88	18.81	18.82
1	39			17.88	17.65	17.65	16	1	17.88	17.65	17.65		
38	19			17.88	17.84	18.07	16	38	19	17.88	18.07		
38	39			18.00	17.78	18.09	16	38	39	18.00	17.78		
75	0			17.82	17.78	18.03	16	75	0	17.82	17.78		
1	0			17.82	17.62	17.69	16	1	17.82	17.62	17.69		
1	20			17.78	17.71	17.99	16	1	17.78	17.71	17.99		
1	39			17.84	17.65	17.82	16	1	17.84	17.65	17.82		
38	0			16.08	15.70	16.08	16	38	0	16.08	15.70	16.08	
10M	16QAM	1	0	16.08	15.78	16.08	16	1	16.08	15.78	16.08		
		50	0	15.08	15.64	15.73	15	50	15.08	15.64	15.73		
		50	20	15.08	15.68	15.71	15	50	15.08	15.68	15.71		
		100	0	14.08	13.88	14.15	15	100	14.08	13.88	14.15		
		100	0	14.12	13.52	14.14	14	100	14.12	13.52	14.14		
		LTE Band 40 (An14)											
		BW	MCS Index	RB Index	RB Size	RB Offset	Channel	RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)
		20M	QPSK	1	0	18.88	18.76	18.76	20	1	18.88	18.76	18.76
				1	20	18.88	18.81	18.82	20	1	18.88	18.81	18.82
1	39			17.88	17.65	17.65	16	1	17.88	17.65	17.65		
38	19			17.88	17.84	18.07	16	38	19	17.88	18.07		
38	39			18.00	17.78	18.09	16	38	39	18.00	17.78		
75	0			17.82	17.78	18.03	16	75	0	17.82	17.78		
1	0			17.82	17.62	17.69	16	1	17.82	17.62	17.69		
1	20			17.78	17.71	17.99	16	1	17.78	17.71	17.99		
1	39			17.84	17.65	17.82	16	1	17.84	17.65	17.82		
38	0			16.08	15.70	16.08	16	38	0	16.08	15.70	16.08	
10M	16QAM	1	0	16.08	15.78	16.08	16	1	16.08	15.78	16.08		
		50	0	15.08	15.64	15.73	15	50	15.08	15.64	15.73		
		50	20	15.08	15.68	15.71	15	50	15.08	15.68	15.71		
		100	0	14.08	13.88	14.15	15	100	14.08	13.88	14.15		
		100	0	14.12	13.52	14.14	14	100	14.12	13.52	14.14		
		LTE Band 40 (An14)											
		BW	MCS Index	RB Index	RB Size	RB Offset	Channel	RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)
		20M	QPSK	1	0	18.88	18.76	18.76	20	1	18.88	18.76	18.76
				1	20	18.88	18.81	18.82	20	1	18.88	18.81	18.82
1	39			17.88	17.65	17.65	16	1	17.88	17.65	17.65		
38	19			17.88	17.84	18.07	16	38	19	17.88	18.07		
38	39			18.00	17.78	18.09	16	38	39	18.00	17.78		
75	0			17.82	17.78	18.03	16	75	0	17.82	17.78		
1	0			17.82	17.62	17.69	16	1	17.82	17.62	17.69		
1	20			17.78	17.71	17.99	16	1	17.78	17.71	17.99		
1	39			17.84	17.65	17.82	16	1	17.84	17.65	17.82		
38	0			16.08	15.70	16.08	16	38	0	16.08	15.70	16.08	
10M	16QAM	1	0	16.08	15.78	16.08	16	1	16.08	15.78	16.08		
		50	0	15.08	15.64	15.73	15	50	15.08	15.64	15.73		
		50	20	15.08	15.68	15.71	15	50	15.08	15.68	15.71		
		100	0	14.08	13.88	14.15	15	100	14.08	13.88	14.15		
		100	0	14.12	13.52	14.14	14	100	14.12	13.52	14.14		
		LTE Band 40 (An14)											
		BW	MCS Index	RB Index	RB Size	RB Offset	Channel	RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)
		20M	QPSK	1	0	18.88	18.76	18.76	20	1	18.88	18.76	18.76
				1	20	18.88	18.81	18.82	20	1	18.88	18.81	18.82
1	39			17.88	17.65	17.65	16	1	17.88	17.65	17.65		
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n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.44	23.41	23.47	24.5
		1	53	23.36	23.37	23.41	24.5
		1	104	23.38	23.31	23.35	24.5
		50	0	23.47	23.54	23.53	24.5
		50	28	23.46	23.46	23.55	24.5
		50	56	23.60	23.48	23.53	24.5
		100	0	23.48	23.54	23.49	24.5
	DFT-s-OFDM QPSK	1	1	23.61	23.55	23.57	24.5
		1	53	23.46	23.36	23.43	24.5
		1	104	23.11	23.47	23.32	24.5
		50	0	22.98	23.01	22.93	23.5
		50	28	23.58	23.50	23.44	24.5
		50	56	23.04	22.97	22.58	23.5
		100	0	22.98	22.95	22.93	23.5
	DFT-s-OFDM 16QAM	1	1	22.93	22.93	23.19	23.5
	DFT-s-OFDM 64QAM	1	1	21.63	21.65	21.06	22.5
	DFT-s-OFDM 256QAM	1	1	18.99	19.04	19.06	20.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	23.58	23.47	23.48	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.55	23.45	23.44	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	23.57	23.41	23.55	24.5

n2 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	18.29	18.32	18.30	19
		1	53	18.29	18.16	18.21	19
		1	104	18.14	18.25	18.31	19
		50	0	17.77	17.78	17.75	19
		50	28	18.27	18.20	18.19	19
		50	56	17.68	17.70	17.67	19
		100	0	17.70	17.72	17.66	19
	DFT-s-OFDM QPSK	1	1	18.45	18.43	18.40	19
		1	53	18.34	18.25	18.38	19
		1	104	18.21	18.19	17.98	19
		50	0	17.32	17.22	17.30	18
		50	28	18.39	18.35	18.22	19
		50	56	17.22	17.09	17.25	18
		100	0	17.33	17.22	17.19	18
	DFT-s-OFDM 16QAM	1	1	17.44	17.39	17.30	18
	DFT-s-OFDM 64QAM	1	1	16.02	15.94	15.95	17
	DFT-s-OFDM 256QAM	1	1	13.95	14.02	13.98	15
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	18.43	18.35	18.30	19
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	18.34	18.30	18.36	19
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	18.35	18.38	18.36	19

n5 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.42	23.38	23.46	24.5
		1	53	23.48	23.51	23.45	24.5
		1	104	23.40	23.53	23.41	24.5
		50	0	23.51	23.58	23.52	24.5
		50	28	23.43	23.55	23.52	24.5
		50	56	23.50	23.53	23.56	24.5
		100	0	23.47	23.56	23.57	24.5
	DFT-s-OFDM QPSK	1	1	23.57	23.64	23.55	24.5
		1	53	23.38	23.42	23.48	24.5
		1	104	23.41	23.43	23.42	24.5
		50	0	23.52	23.58	23.50	24.5
		50	28	23.46	23.59	23.49	24.5
		50	56	23.53	23.61	23.51	24.5
		100	0	23.50	23.57	23.54	24.5
	DFT-s-OFDM 16QAM	1	1	23.32	23.43	23.39	24.5
	DFT-s-OFDM 64QAM	1	1	21.68	22.15	22.04	22.5
	DFT-s-OFDM 256QAM	1	1	19.98	19.53	19.54	20.5
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	1	1	23.49	23.62	23.53	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.50	23.55	23.44	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.43	23.51	23.52	24.5

n48 (SCS 30 kHz) (Ant4)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	23.47	23.83	24.05	24.5
		1	53	23.56	23.91	24.04	24.5
		1	104	23.70	24.11	24.09	24.5
		50	0	23.63	23.93	24.10	24.5
		50	28	23.63	23.95	24.09	24.5
		50	56	23.70	23.98	24.13	24.5
		100	0	23.61	23.91	24.09	24.5
	DFT-s-OFDM QPSK	1	1	23.71	24.12	24.16	24.5
		1	53	23.52	23.86	24.03	24.5
		1	104	23.68	23.97	24.05	24.5
		50	0	23.62	23.96	24.11	24.5
		50	28	23.57	23.93	24.04	24.5
		50	56	23.61	23.92	24.07	24.5
		100	0	23.59	23.92	23.96	24.5
	DFT-s-OFDM 16QAM	1	53	23.58	23.86	24.02	24.5
	DFT-s-OFDM 64QAM	1	53	23.36	23.59	23.60	24
	DFT-s-OFDM 256QAM	1	53	22.05	22.20	22.35	23
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	23.60	24.05	24.01	24.5
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	23.63	24.00	24.08	24.5

n66 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	23.43	23.44	23.41	24.5
		1	108	23.47	23.36	23.37	24.5
		1	214	23.42	23.29	23.24	24.5
		108	0	23.21	22.80	22.57	24
		108	54	23.01	22.88	23.51	24.5
		108	108	23.12	22.47	22.41	24
		216	0	23.09	22.50	22.50	24
	DFT-s-OFDM QPSK	1	1	23.51	23.54	23.33	24.5
		1	108	23.47	23.34	23.27	24.5
		1	214	23.39	23.31	23.18	24.5
		108	0	22.58	22.57	22.43	23.5
		108	54	23.25	23.49	23.30	24.5
		108	108	22.67	22.57	22.30	23.5
		216	0	22.51	22.56	22.35	23.5
	DFT-s-OFDM 16QAM	1	1	22.45	22.07	22.63	23.5
	DFT-s-OFDM 64QAM	1	1	21.18	20.94	20.53	22
	DFT-s-OFDM 256QAM	1	1	18.45	18.86	18.43	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.21	23.36	23.46	24.5
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	23.37	23.24	23.15	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.29	23.41	23.35	24.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	23.18	23.27	23.17	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.09	23.22	23.31	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.23	23.41	23.36	24.5

n66 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	19.09	19.17	19.21	20.5
		1	108	19.15	19.24	19.09	20.5
		1	214	19.28	19.20	19.07	20.5
		108	0	18.71	18.77	18.68	20
		108	54	19.19	19.17	19.17	20.5
		108	108	18.66	18.65	18.60	20
		216	0	18.73	18.73	18.64	20
	DFT-s-OFDM QPSK	1	1	19.21	19.40	19.27	20.5
		1	108	19.10	19.26	19.11	20.5
		1	214	19.26	19.11	19.20	20.5
		108	0	18.15	18.18	18.30	19.5
		108	54	19.07	19.28	19.16	20.5
		108	108	18.16	18.21	18.09	19.5
		216	0	18.19	18.34	18.20	19.5
	DFT-s-OFDM 16QAM	1	1	18.19	18.31	18.33	19.5
	DFT-s-OFDM 64QAM	1	1	16.78	16.87	16.70	18
	DFT-s-OFDM 256QAM	1	1	14.66	14.66	14.59	16
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	19.02	19.31	19.11	20.5
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	19.15	19.27	19.09	20.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	19.01	19.32	19.09	20.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	19.09	19.26	19.11	20.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	19.06	19.27	19.08	20.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	19.12	19.25	19.13	20.5

n77 (SCS 30 kHz) 3450–3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		13.63		15
		1	137		13.46		15
		1	271		13.50		15
		135	0		13.63		15
		135	69		13.56		15
		135	138		13.63		15
	DFT-s-OFDM QPSK	270	0		13.65		15
		1	1		13.77		15
		1	137		13.61		15
		1	271		13.62		15
		135	0		13.61		15
		135	69		13.58		15
	DFT-s-OFDM 16QAM	135	138		13.67		15
		270	0		13.68		15
		1	1		13.66		15
		1	1		13.31		14
		1	1		11.65		12.5
		1	1		11.65		12.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	13.70	13.76	13.73	15
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	13.60	13.67	13.59	15
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	13.63	13.70	13.66	15
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	13.62	13.69	13.69	15
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	13.67	13.63	13.58	15
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	13.60	13.71	13.69	15
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	13.57	13.70	13.71	15
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	13.62	13.71	13.71	15
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	13.63	13.61	13.62	15
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	13.59	13.63	13.64	15
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	13.67	13.67	13.72	15

n77 (SCS 30 kHz) 3700–3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	13.85	14.30	14.48	15
		1	137	13.89	13.87	14.30	15
		1	271	13.87	14.17	14.49	15
		135	0	13.79	13.92	14.24	15
		135	69	13.88	14.02	14.26	15
		135	138	13.87	13.96	14.35	15
	DFT-s-OFDM QPSK	270	0	13.92	13.89	14.26	15
		1	1	13.97	14.50	14.52	15
		1	137	13.80	14.29	14.36	15
		1	271	13.87	14.45	14.45	15
		135	0	13.81	14.21	14.30	15
		135	69	13.86	14.20	14.24	15
	DFT-s-OFDM 16QAM	135	138	13.82	14.29	14.34	15
		270	0	13.81	14.34	14.40	15
		1	1	13.77	13.98	13.97	15
		1	1	13.84	13.85	13.88	14
		1	1	12.43	12.06	12.08	12.5
		1	1	12.43	12.06	12.08	12.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	13.94	14.35	14.43	15
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	13.92	14.44	14.51	15
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	13.84	14.43	14.50	15
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	13.89	14.35	14.48	15
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	13.84	14.42	14.41	15
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	13.82	14.38	14.43	15
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	13.93	14.44	14.43	15
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	13.89	14.49	14.48	15
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	13.91	14.42	14.41	15
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	13.96	14.37	14.49	15
BW	MCS Index	Channel		646634	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	13.89	14.38	14.38	15

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		16.67		18
		1	137		16.46		18
		1	271		16.58		18
		135	0		16.14		17.5
		135	69		16.49		18
		135	138		16.07		17.5
	DFT-s-OFDM QPSK	270	0		16.08		17.5
		1	1		16.76		18
		1	137		16.37		18
		1	271		16.52		18
		135	0		15.62		17
		135	69		16.55		18
	DFT-s-OFDM 16QAM	135	138		15.44		17
		270	0		15.58		17
		1	1		15.53		17
		1	1		14.06		15.5
	DFT-s-OFDM 64QAM	1	1				
		1	1		11.96		13.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	16.74	16.75	16.71	18
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	16.62	16.70	16.68	18
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	16.64	16.70	16.65	18
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	16.70	16.60	16.56	18
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	16.61	16.62	16.66	18
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	16.72	16.68	16.57	18
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	16.63	16.60	16.67	18
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	16.59	16.72	16.64	18
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	16.71	16.64	16.64	18
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	16.66	16.62	16.63	18
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	16.59	16.73	16.70	18

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	17.08	17.08	17.40	18
		1	137	16.86	16.89	17.33	18
		1	271	16.93	17.23	17.29	18
		135	0	16.45	16.40	16.76	17.5
		135	69	16.81	16.92	17.19	18
		135	138	16.56	16.51	17.02	17.5
	DFT-s-OFDM QPSK	270	0	16.44	16.55	16.90	17.5
		1	1	17.11	17.30	17.61	18
		1	137	16.97	16.92	17.38	18
		1	271	16.95	17.20	17.51	18
		135	0	15.93	16.11	16.26	17
		135	69	16.87	17.04	17.30	18
	DFT-s-OFDM 16QAM	135	138	15.95	16.19	16.44	17
		270	0	15.89	16.11	16.32	17
		1	1	15.88	16.16	16.08	17
		1	1	14.12	14.12	14.38	15.5
	DFT-s-OFDM 64QAM	1	1				
		1	1	11.82	11.99	12.15	13.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	16.97	17.19	17.58	18
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	16.95	17.27	17.59	18
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	16.96	17.28	17.58	18
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	17.03	17.28	17.49	18
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	16.95	17.19	17.55	18
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	17.01	17.21	17.52	18
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	17.02	17.23	17.51	18
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	17.00	17.16	17.51	18
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	16.97	17.20	17.57	18
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	17.03	17.20	17.53	18
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	17.04	17.20	17.53	18

Sensor On/Hotspot_DS387_ENDC

CA_S9 (Ant2)										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
20450	829	20549	838.9	QPSK	1	49	1	0	24.87	25.5
				16QAM	1	49	1	0	23.97	24.5
				64QAM	1	49	1	0	21.35	23.5
				256QAM	1	49	1	0	19.93	20.5
				QPSK	1	49	1	0	24.81	25.5
20476	831.6	20575	841.5	16QAM	1	49	1	0	23.92	24.5
				64QAM	1	49	1	0	21.30	23.5
				256QAM	1	49	1	0	19.90	20.5
				QPSK	1	49	1	0	24.74	25.5
				16QAM	1	49	1	0	23.91	24.5
20501	834.1	20600	844	64QAM	1	49	1	0	21.37	23.5
				256QAM	1	49	1	0	19.95	20.5
				QPSK	1	49	1	0	24.82	25.5
				16QAM	1	49	1	0	23.96	24.5
				256QAM	1	49	1	0	19.96	20.5
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
20450	829	20522	836.2	QPSK	1	49	1	0	24.79	25.5
				16QAM	1	49	1	0	23.91	24.5
				64QAM	1	49	1	0	21.21	23.5
				256QAM	1	49	1	0	19.81	20.5
				QPSK	1	49	1	0	24.82	25.5
20500	834	20572	841.2	16QAM	1	49	1	0	22.96	24.5
				64QAM	1	49	1	0	21.56	23.5
				256QAM	1	49	1	0	19.90	20.5
				QPSK	1	49	1	0	24.85	25.5
				16QAM	1	49	1	0	23.85	24.5
20550	839	20622	846.2	64QAM	1	49	1	0	21.28	23.5
				256QAM	1	49	1	0	19.88	20.5
				QPSK	1	49	1	0	24.80	25.5
				16QAM	1	49	1	0	23.90	24.5
				256QAM	1	49	1	0	19.88	20.5
Combination 5MHz+5MHz (25RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
20428	826.9	20500	834	QPSK	1	24	1	0	24.77	25.5
				16QAM	1	24	1	0	23.83	24.5
				64QAM	1	24	1	0	21.15	23.5
				256QAM	1	24	1	0	19.79	20.5
				QPSK	1	24	1	0	24.65	25.5
20478	831.8	20550	839	16QAM	1	24	1	0	22.96	24.5
				64QAM	1	24	1	0	21.11	23.5
				256QAM	1	24	1	0	19.89	20.5
				QPSK	1	24	1	0	24.60	25.5
				16QAM	1	24	1	0	23.79	24.5
20528	836.8	20600	844	64QAM	1	24	1	0	21.25	23.5
				256QAM	1	24	1	0	19.85	20.5
				QPSK	1	24	1	0	24.75	25.5
				16QAM	1	24	1	0	23.85	24.5
				256QAM	1	24	1	0	19.85	20.5
Combination 5MHz+3MHz (25RB+15RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
20425	826.5	20464	830.4	QPSK	1	24	1	0	24.83	25.5
				16QAM	1	24	1	0	23.94	24.5
				64QAM	1	24	1	0	21.25	23.5
				256QAM	1	24	1	0	19.73	20.5
				QPSK	1	24	1	0	24.65	25.5
20470	830	20540	838.0	16QAM	1	24	1	0	22.95	24.5
				64QAM	1	24	1	0	21.16	23.5
				256QAM	1	24	1	0	19.86	20.5
				QPSK	1	24	1	0	24.59	25.5
				16QAM	1	24	1	0	23.87	24.5
20595	843.5	20634	847.4	64QAM	1	24	1	0	21.20	23.5
				256QAM	1	24	1	0	19.74	20.5
				QPSK	1	24	1	0	24.70	25.5
				16QAM	1	24	1	0	23.80	24.5
				256QAM	1	24	1	0	19.74	20.5
Combination 3MHz+5MHz (15RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
20416	825.6	20455	829.5	QPSK	1	14	1	0	24.80	25.5
				16QAM	1	14	1	0	23.89	24.5
				64QAM	1	14	1	0	21.15	23.5
				256QAM	1	14	1	0	19.87	20.5
				QPSK	1	14	1	0	24.58	25.5
20501	834.1	20540	838	16QAM	1	14	1	0	22.88	24.5
				64QAM	1	14	1	0	21.01	23.5
				256QAM	1	14	1	0	19.82	20.5
				QPSK	1	14	1	0	24.57	25.5
				16QAM	1	14	1	0	23.73	24.5
20586	842.6	20625	846.5	64QAM	1	14	1	0	21.25	23.5
				256QAM	1	14	1	0	19.86	20.5
				QPSK	1	14	1	0	24.70	25.5
				16QAM	1	14	1	0	23.80	24.5
				256QAM	1	14	1	0	19.86	20.5

CA_66B (Ant1)										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
132022	1715	132121	1724.9	QPSK	1	49	1	0	18.45	19
				16QAM	1	49	1	0	17.62	18
				64QAM	1	49	1	0	16.33	17
				256QAM	1	49	1	0	13.75	14
				QPSK	1	49	1	0	18.48	19
132373	1750.1	132472	1760	16QAM	1	49	1	0	17.68	18
				64QAM	1	49	1	0	16.36	17
				256QAM	1	49	1	0	13.77	14
				QPSK	1	49	1	0	18.40	19
				16QAM	1	49	1	0	17.83	18
132523	1765.1	132622	1775	64QAM	1	49	1	0	16.33	17
				256QAM	1	49	1	0	13.68	14
				QPSK	1	49	1	0	18.45	19
				16QAM	1	49	1	0	17.85	18
				256QAM	1	49	1	0	13.68	14
Combination 10MHz+5MHz (75RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
132047	1717.5	132145	1726.8	QPSK	1	74	1	0	18.32	19
				16QAM	1	74	1	0	17.65	18
				64QAM	1	74	1	0	16.21	17
				256QAM	1	74	1	0	13.60	14
				QPSK	1	74	1	0	18.39	19
132388	1752.6	132481	1761.9	16QAM	1	74	1	0	17.85	18
				64QAM	1	74	1	0	16.30	17
				256QAM	1	74	1	0	13.43	14
				QPSK	1	74	1	0	18.27	19
				16QAM	1	74	1	0	17.60	18
132545	1767.7	132642	1777	64QAM	1	74	1	0	16.06	17
				256QAM	1	74	1	0	13.67	14
				QPSK	1	74	1	0	18.37	19
				16QAM	1	74	1	0	17.70	18
				256QAM	1	74	1	0	13.67	14
Combination 5MHz+5MHz (25RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
132002	1713	132095	1722.3	QPSK	1	24	1	0	18.39	19
				16QAM	1	24	1	0	17.65	18
				64QAM	1	24	1	0	16.21	17
				256QAM	1	24	1	0	13.70	14
				QPSK	1	24	1	0	18.47	19
132353	1748.1	132448	1757.4	16QAM	1	24	1	0	17.83	18
				64QAM	1	24	1	0	16.33	17
				256QAM	1	24	1	0	13.46	14
				QPSK	1	24	1	0	18.37	19
				16QAM	1	24	1	0	17.70	18
132504	1763.2	132519	1772.5	64QAM	1	24	1	0	16.05	17
				256QAM	1	24	1	0	13.67	14
				QPSK	1	24	1	0	18.40	19
				16QAM	1	24	1	0	17.73	18
				256QAM	1	24	1	0	13.68	14
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
132022	1715	132094	1722.2	QPSK	1	49	1	0	18.41	19
				16QAM	1	49	1	0	17.80	18
				64QAM	1	49	1	0	16.25	17
				256QAM	1	49	1	0	13.68	14
				QPSK	1	49	1	0	18.44	19
132397	1752.5	132469	1759.7	16QAM	1	49	1	0	17.81	18
				64QAM	1	49	1	0	16.24	17
				256QAM	1	49	1	0	13.49	14
				QPSK	1	49	1	0	18.28	19
				16QAM	1	49	1	0	17.70	18
132572	1770	132644	1777.2	64QAM	1	49	1	0	16.05	17
				256QAM	1	49	1	0	13.58	14
				QPSK	1	49	1	0	18.40	19
				16QAM	1	49	1	0	17.73	18
				256QAM	1	49	1	0	13.58	14
Combination 5MHz+10MHz (25RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
132000	1712.8	132072	1720	QPSK	1	24	1	0	18.37	19
				16QAM	1	24	1	0	17.91	18
				64QAM	1	24	1	0	16.22	17
				256QAM	1	24	1	0	13.66	14
				QPSK	1	24	1	0	18.40	19
132375	1750.3	132447	1757.5	16QAM	1	24	1	0	18.35	19
				64QAM	1	24	1	0	16.22	17
				256QAM	1	24	1	0	13.49	14
				QPSK	1	24	1	0	18.38	19
				16QAM	1	24	1	0	17.79	18
132550	1767.8	132623	1775	64QAM	1	24	1	0	16.09	17
				256QAM	1	24	1	0	13.66	14
				QPSK	1	24	1	0	18.38	19
				16QAM	1	24	1	0	17.73	18
				256QAM	1	24	1	0	13.66	14
Combination 5MHz+5MHz (25RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
131997	1712.5	132045	1717.3	QPSK	1	24	1	0	18.41	19
				16QAM	1	24	1	0	18.00	18
				64QAM	1	24	1	0	16.27	17
				256QAM	1	24	1	0	13.70	14
				QPSK	1	24	1	0	18.45	19
132396	1751.5	132446	1752.3	16QAM	1	24	1	0	17.75	18
				64QAM	1	24	1	0	16.23	17
				256QAM	1	24	1	0	13.56	14
				QPSK	1	24	1	0	18.39	19
				16QAM	1	24	1	0	17.82	18
132599	1772.7	132647	1777.5	64QAM	1	24	1	0	16.04	17
				256QAM	1	24	1	0	13.63	14
				QPSK	1	24	1	0	18.43	19
				16QAM	1	24	1	0	17.83	18
				256QAM	1	24	1	0	13.63	14

CA 40C (Ann4)									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	
50340	3560	50538	3579.8	QPSK	1	99	1	0	19.72
				16QAM	1	99	1	0	19.72
				64QAM	1	99	1	0	17.67
				256QAM	1	99	1	0	14.64
				QPSK	1	99	1	0	19.62
50891	3615.1	50898	3634.9	16QAM	1	99	1	0	18.62
				64QAM	1	99	1	0	16.52
				256QAM	1	99	1	0	17.70
				QPSK	1	99	1	0	19.79
				16QAM	1	99	1	0	18.64
50442	3670.2	50640	3690	64QAM	1	99	1	0	17.64
				256QAM	1	99	1	0	14.65
				QPSK	1	99	1	0	19.79
				16QAM	1	99	1	0	18.64
				64QAM	1	99	1	0	17.64
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	
50340	3560	50511	3577.1	QPSK	1	99	1	0	19.62
				16QAM	1	99	1	0	18.62
				64QAM	1	99	1	0	17.64
				256QAM	1	99	1	0	14.65
				QPSK	1	99	1	0	19.64
50916	3617.6	50987	3634.7	16QAM	1	99	1	0	18.62
				64QAM	1	99	1	0	16.54
				256QAM	1	99	1	0	17.66
				QPSK	1	99	1	0	19.66
				16QAM	1	99	1	0	18.63
50491	3675.1	50662	3692.2	64QAM	1	99	1	0	17.68
				256QAM	1	99	1	0	14.66
				QPSK	1	99	1	0	19.66
				16QAM	1	99	1	0	18.66
				64QAM	1	99	1	0	17.68
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	
50319	3557.8	50489	3574.9	QPSK	1	74	1	0	19.69
				16QAM	1	74	1	0	18.68
				64QAM	1	74	1	0	17.65
				256QAM	1	74	1	0	14.65
				QPSK	1	74	1	0	19.63
50883	3615.3	50664	3632.4	16QAM	1	74	1	0	18.67
				64QAM	1	74	1	0	17.67
				256QAM	1	74	1	0	14.61
				QPSK	1	74	1	0	19.68
				16QAM	1	74	1	0	18.62
50469	3672.6	50640	3690	64QAM	1	74	1	0	17.62
				256QAM	1	74	1	0	14.66
				QPSK	1	74	1	0	19.62
				16QAM	1	74	1	0	18.62
				64QAM	1	74	1	0	17.62
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	
50340	3560	50484	3574.4	QPSK	1	99	1	0	19.69
				16QAM	1	99	1	0	18.67
				64QAM	1	99	1	0	17.66
				256QAM	1	99	1	0	14.61
				QPSK	1	99	1	0	19.69
50941	3620.1	50682	3634.5	16QAM	1	99	1	0	18.47
				64QAM	1	99	1	0	17.64
				256QAM	1	99	1	0	14.62
				QPSK	1	99	1	0	19.72
				16QAM	1	99	1	0	18.63
50541	3680.1	50680	3694.5	64QAM	1	99	1	0	17.63
				256QAM	1	99	1	0	14.58
				QPSK	1	99	1	0	19.63
				16QAM	1	99	1	0	18.63
				64QAM	1	99	1	0	17.62
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	
50295	3558.9	50439	3569.9	QPSK	1	49	1	0	19.64
				16QAM	1	49	1	0	18.69
				64QAM	1	49	1	0	17.60
				256QAM	1	49	1	0	14.54
				QPSK	1	49	1	0	19.48
50896	3615.6	50640	3630	16QAM	1	49	1	0	18.55
				64QAM	1	49	1	0	17.69
				256QAM	1	49	1	0	14.52
				QPSK	1	49	1	0	19.66
				16QAM	1	49	1	0	18.49
50496	3675.6	50640	3690	64QAM	1	49	1	0	17.69
				256QAM	1	49	1	0	14.54
				QPSK	1	49	1	0	19.66
				16QAM	1	49	1	0	18.54
				64QAM	1	49	1	0	17.69
Combination 20MHz+5MHz (100RB+25RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	
50340	3560	50457	3571.7	QPSK	1	99	1	0	19.65
				16QAM	1	99	1	0	18.68
				64QAM	1	99	1	0	17.62
				256QAM	1	99	1	0	14.55
				QPSK	1	99	1	0	19.49
50965	3622.5	50682	3634.2	16QAM	1	99	1	0	18.62
				64QAM	1	99	1	0	17.61
				256QAM	1	99	1	0	14.57
				QPSK	1	99	1	0	19.74
				16QAM	1	99	1	0	18.51
50590	3685	50707	3695.7	64QAM	1	99	1	0	17.54
				256QAM	1	99	1	0	14.57
				QPSK	1	99	1	0	19.74
				16QAM	1	99	1	0	18.51
				64QAM	1	99	1	0	17.54
Combination 5MHz+20MHz (25RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	
50273	3553.3	50390	3565	QPSK	1	24	1	0	19.70
				16QAM	1	24	1	0	18.70
				64QAM	1	24	1	0	17.54
				256QAM	1	24	1	0	14.63
				QPSK	1	24	1	0	19.51
50898	3615.8	50615	3627.6	16QAM	1	24	1	0	18.56
				64QAM	1	24	1	0	17.67
				256QAM	1	24	1	0	14.47
				QPSK	1	24	1	0	19.78
				16QAM	1	24	1	0	18.55
50523	3678.3	50640	3690	64QAM	1	24	1	0	17.52
				256QAM	1	24	1	0	14.58
				QPSK	1	24	1	0	19.78
				16QAM	1	24	1	0	18.55
				64QAM	1	24	1	0	17.52

CA 40B (Ann4)									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	
50290	3555	50389	3564.9	QPSK	1	49	1	0	19.68
				16QAM	1	49	1	0	18.66
				64QAM	1	49	1	0	17.60
				256QAM	1	49	1	0	14.53
				QPSK	1	49	1	0	19.71
50341	3603.1	50140	3640	16QAM	1	49	1	0	18.59
				64QAM	1	49	1	0	17.65
				256QAM	1	49	1	0	14.57
				QPSK	1	49	1	0	19.67
				16QAM	1	49	1	0	18.60
50591	3655.1	50690	3695	QPSK	1	49	1	0	17.57
				16QAM	1	49	1	0	17.57
				64QAM	1	49	1	0	16.50
				256QAM	1	49	1	0	13.43
				QPSK	1	49	1	0	19.60

Receiver off_DS14_Sim-Tx

Band	GSM850(ANT2)				GSM1900(ANT1)			
Channel	128	189	251	Max. Tune-up Power (dBm)	512	661	810	Max. Tune-up Power (dBm)
Frequency (MHz)	824.2	836.4	848.8		1850.2	1880	1909.8	
GSM	32.94	32.46	32.98	33.50	30.72	30.04	30.03	31.00
GPRS 1Tx Slot	32.97	32.51	33.09	33.50	30.77	30.06	30.14	31.00
GPRS 2Tx Slot	29.96	30.56	31.06	31.50	28.64	27.90	28.02	29.50
GPRS 3Tx Slot	28.71	28.47	28.99	29.50	26.67	25.81	25.97	27.00
GPRS 4Tx Slot	27.69	27.24	27.62	28.50	24.88	24.34	24.49	25.50
EDGE 1Tx Slot	27.13	27.17	27.10	28.50	26.67	26.61	26.17	27.00
EDGE 2Tx Slot	24.65	24.35	25.63	26.00	24.98	24.85	24.91	25.50
EDGE 3Tx Slot	22.57	22.31	23.53	24.00	21.77	21.75	21.79	22.50
EDGE 4Tx Slot	21.30	21.15	22.25	23.00	20.53	20.60	20.62	21.50

Band	WCDMA II(ANT1)			WCDMA II Max. Tune-up Power (dBm)	WCDMA V(ANT2)			WCDMA V Max. Tune-up Power (dBm)
TX Channel	9262	9400	9538		4132	4182	4233	
Rx Channel	9662	9800	9938	Max. Tune-up Power (dBm)	4357	4407	4458	Max. Tune-up Power (dBm)
Frequency (MHz)	1852.4	1880	1907.6		826.4	836.4	846.6	
RMC 12.2K	24.24	24.37	24.32	25.00	24.40	24.42	24.33	25.00
HSDPA Subtest-1	23.35	23.38	23.33	24.00	23.25	23.28	23.23	24.00
HSDPA Subtest-2	23.41	23.34	23.37	24.00	23.33	23.34	23.27	24.00
HSDPA Subtest-3	22.82	22.84	22.83	23.50	22.71	22.72	22.70	23.50
HSDPA Subtest-4	22.75	22.79	22.81	23.50	22.69	22.74	22.65	23.50
DC-HSDPA Subtest-1	23.30	23.29	23.18	24.00	23.24	23.24	23.11	24.00
DC-HSDPA Subtest-2	23.28	23.27	23.36	24.00	23.19	23.30	23.15	24.00
DC-HSDPA Subtest-3	22.70	22.77	22.78	23.50	22.65	22.65	22.66	23.50
DC-HSDPA Subtest-4	22.64	22.65	22.76	23.50	22.63	22.59	22.51	23.50
HSUPA Subtest-1	23.41	23.44	23.42	24.00	23.22	23.24	23.22	24.00
HSUPA Subtest-2	22.82	22.85	22.83	23.50	22.73	22.78	22.75	23.50
HSUPA Subtest-3	23.29	23.31	23.30	24.00	23.20	23.21	23.19	24.00
HSUPA Subtest-4	23.26	23.28	23.25	24.00	23.18	23.20	23.21	24.00
HSUPA Subtest-5	23.30	23.31	23.30	24.00	23.21	23.23	23.22	24.00

Receiver off_D84_Bm-Tx

BW	Modulation	LTE Band 2 (Aur1)									
		RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)				
		Channel Frequency (MHz)	1800	1880	1960	2040	Max. Throughput (Mbps)				
		Channel	1800	1880	1960	2040	Max. Throughput (Mbps)				
20M	OFDM	1	0	21.23	21.16	21.17	22.5				
		1	50	21.34	21.28	21.29	22.5				
		1	50	21.19	21.14	21.15	22.5				
		50	0	20.23	20.27	20.22	21.5				
		50	50	20.28	20.40	20.39	21.5				
	100M	100	0	20.46	20.45	20.38	21.5				
		100	0	20.39	20.18	20.37	21.5				
		100	0	20.46	20.47	20.46	21.5				
		1	50	20.54	20.55	20.58	21.5				
		1	50	20.43	20.55	20.59	21.5				
40M	OFDM	1	0	19.46	19.38	19.32	20.5				
		1	50	19.21	19.27	19.40	20.5				
		1	50	19.43	19.37	19.30	20.5				
		50	0	19.31	19.34	19.32	19.5				
		50	50	19.35	19.24	19.48	19.5				
	200M	100	0	19.39	19.28	19.41	19.5				
		1	0	19.37	19.35	19.41	17.5				
		1	50	19.39	19.38	19.34	17.5				
		50	25	19.47	19.31	19.35	17.5				
		50	50	19.42	19.40	19.42	17.5				
80M	OFDM	1	0	19.35	19.36	19.37	20.5				
		1	50	19.36	19.30	19.39	20.5				
		1	50	19.35	19.41	19.40	20.5				
		100	0	19.35	19.40	19.38	20.5				
		1	0	19.46	19.38	19.32	20.5				
	200M	1	50	19.21	19.27	19.40	20.5				
		1	50	19.43	19.37	19.30	20.5				
		50	0	19.31	19.34	19.32	19.5				
		50	25	19.47	19.31	19.35	17.5				
		50	50	19.42	19.40	19.42	17.5				
160M	OFDM	1	0	19.37	19.35	19.41	17.5				
		1	50	19.39	19.38	19.34	17.5				
		50	19.36	19.36	19.30	17.5					
		50	25	19.47	19.31	19.35	17.5				
		50	50	19.42	19.40	19.42	17.5				
	200M	100	0	19.40	19.33	19.33	17.5				
		1	0	19.37	19.35	19.41	17.5				
		1	50	19.37	19.35	19.41	17.5				
		50	19.36	19.36	19.30	17.5					
		50	25	19.47	19.31	19.35	17.5				
320M	OFDM	1	0	21.23	21.16	21.17	22.5				
		1	50	21.34	21.28	21.29	22.5				
		1	50	21.19	21.14	21.15	22.5				
		50	0	20.23	20.27	20.22	21.5				
		50	50	20.28	20.40	20.39	21.5				
	100M	100	0	20.46	20.45	20.38	21.5				
		100	0	20.39	20.18	20.37	21.5				
		100	0	20.46	20.47	20.46	21.5				
		1	50	20.54	20.55	20.58	21.5				
		1	50	20.43	20.55	20.59	21.5				
640M	OFDM	1	0	19.35	19.36	19.37	20.5				
		1	50	19.36	19.30	19.39	20.5				
		1	50	19.35	19.41	19.40	20.5				
		100	0	19.35	19.40	19.38	20.5				
		1	0	19.46	19.38	19.32	20.5				
	200M	1	50	19.21	19.27	19.40	20.5				
		1	50	19.43	19.37	19.30	20.5				
		50	0	19.31	19.34	19.32	19.5				
		50	25	19.47	19.31	19.35	17.5				
		50	50	19.42	19.40	19.42	17.5				
1.4G	OFDM	1	0	19.37	19.35	19.41	17.5				
		1	50	19.39	19.38	19.34	17.5				
		50	19.36	19.36	19.30	17.5					
		50	25	19.47	19.31	19.35	17.5				
		50	50	19.42	19.40	19.42	17.5				
	200M	100	0	19.40	19.33	19.33	17.5				
		1	0	19.37	19.35	19.41	17.5				
		1	50	19.37	19.35	19.41	17.5				
		50	19.36	19.36	19.30	17.5					
		50	25	19.47	19.31	19.35	17.5				
2.8G	OFDM	1	0	21.23	21.16	21.17	22.5				
		1	50	21.34	21.28	21.29	22.5				
		1	50	21.19	21.14	21.15	22.5				
		50	0	20.23	20.27	20.22	21.5				
		50	50	20.28	20.40	20.39	21.5				
	100M	100	0	20.46	20.45	20.38	21.5				
		100	0	20.39	20.18	20.37	21.5				
		100	0	20.46	20.47	20.46	21.5				
		1	50	20.54	20.55	20.58	21.5				
		1	50	20.43	20.55	20.59	21.5				
5.8G	OFDM	1	0	19.35	19.36	19.37	20.5				
		1	50	19.36	19.30	19.39	20.5				
		1	50	19.35	19.41	19.40	20.5				
		100	0	19.35	19.40	19.38	20.5				
		1	0	19.46	19.38	19.32	20.5				
	200M	1	50	19.21	19.27	19.40	20.5				
		1	50	19.43	19.37	19.30	20.5				
		50	0	19.31	19.34	19.32	19.5				
		50	25	19.47	19.31	19.35	17.5				
		50	50	19.42	19.40	19.42	17.5				

LTE Band 7 (Aur)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max	Turnup (dBm)	Max Turnup (dBm)
		Channel	20MHz	21MHz	21MHz	21MHz	21MHz		
20M	QPSK	Frequency (MHz)	2100	2100	2100	2100	2100	2100	2100
		1	0	23.23	23.26	23.15	24.5		
		1	50	23.19	23.20	23.13	24.5		
		1	100	23.04	23.10	23.06	24.5		
		50	0	23.19	22.22	22.13	23.5		
		100	0	22.19	22.19	22.11	23.5		
		50	0	22.19	22.19	22.11	23.5		
		100	0	22.21	22.23	22.15	23.5		
		50	0	22.24	22.24	22.16	23.5		
		1	50	22.35	22.43	22.26	23.5		
100M	16QAM	1	89	22.35	22.27	22.24	23.5	23.5	23.5
		50	0	21.52	21.13	21.11	22.5		
		50	25	21.24	21.17	21.09	22.5		
		50	50	21.18	21.14	21.10	22.5		
		100	0	21.09	21.11	21.05	22.5		
20M	64QAM	1	0	21.43	21.39	21.23	22.5	22.5	22.5
		1	50	21.32	21.17	21.24	22.5		
		1	100	21.09	21.11	21.05	22.5		
		50	0	20.35	20.21	20.14	21.5		
		50	50	20.29	20.18	20.11	21.5		
		50	100	20.21	20.13	20.13	21.5		
		100	0	20.29	20.17	20.10	21.5		
		1	50	18.37	18.38	18.30	19.5		
		1	89	18.37	18.36	18.18	19.5		
		50	25	18.27	18.21	18.14	19.5		
20M	256QAM	1	89	18.37	18.21	18.14	19.5	19.5	19.5
		50	25	18.27	18.21	18.14	19.5		
		50	50	18.23	18.25	18.20	19.5		
		100	0	18.14	18.15	18.15	19.5		
20M	QPSK	Channel	2000	2100	2100	2100	2100	2100	2100
		Frequency (MHz)	2000	2100	2100	2100	2100		
		1	37	23.18	23.09	23.11	24.5		
		1	74	22.97	23.06	22.95	24.5		
		36	0	22.04	22.06	22.01	23.5		
		36	19	22.14	22.13	22.03	23.5		
		36	39	22.06	22.07	22.06	23.5		
		36	50	22.11	22.08	22.00	23.5		
		1	0	22.05	22.25	22.21	23.5		
		1	37	22.94	22.92	22.73	23.5		
100M	16QAM	36	0	21.33	21.17	21.09	22.5	22.5	22.5
		36	0	21.31	21.04	21.15	22.5		
		75	0	21.13	21.13	21.06	22.5		
		36	19	21.10	21.08	21.15	22.5		
		75	0	21.19	21.01	21.01	22.5		
		1	37	21.25	21.02	21.13	22.5		
		1	74	20.98	21.03	21.24	22.5		
		36	19	20.27	20.08	20.04	21.5		
		36	19	20.21	20.04	20.04	21.5		
		36	39	20.04	20.03	19.99	21.5		
20M	64QAM	75	0	20.17	20.04	19.98	21.5	21.5	21.5
		1	0	19.21	19.20	19.21	19.5		
		1	74	19.25	19.09	19.06	19.5		
		36	0	18.38	18.02	18.05	18.5		
		36	19	18.16	18.01	18.01	18.5		
		36	19	18.10	18.12	18.06	18.5		
		75	0	18.22	18.08	18.13	18.5		
20M	QPSK	Channel	2000	2100	2100	2100	2100	2100	2100
		Frequency (MHz)	2000	2100	2100	2100	2100		
		1	0	23.15	23.14	23.07	24.5		
		1	24	23.14	23.16	23.13	24.5		
		1	49	22.97	22.96	22.99	24.5		
		25	0	22.02	22.14	22.01	23.5		
		25	0	22.14	22.14	22.07	23.5		
		25	25	22.10	22.13	22.04	23.5		
		50	0	22.18	22.18	22.13	23.5		
		1	24	22.40	22.28	22.21	23.5		
100M	16QAM	1	49	22.33	22.20	22.10	23.5	23.5	23.5
		25	0	21.90	21.08	21.14	22.5		
		25	12	21.18	21.05	20.99	22.5		
		25	25	21.09	20.96	21.00	22.5		
		50	0	21.21	21.10	21.00	22.5		
20M	64QAM	1	0	21.29	21.19	21.12	22.5	22.5	22.5
		1	24	21.31	21.10	21.20	22.5		
		1	49	21.03	21.02	21.13	22.5		
		25	0	20.20	20.09	20.03	21.5		
		56	0	20.18	20.15	20.06	21.5		
		25	25	20.09	20.08	19.98	21.5		
		50	0	20.26	20.02	19.98	21.5		
		1	0	19.29	19.28	19.22	19.5		
		1	49	18.27	18.01	18.17	19.5		
		25	0	18.38	18.06	18.10	19.5		
20M	256QAM	25	12	18.26	18.16	18.05	19.5	19.5	19.5
		25	25	18.17	18.11	18.10	19.5		
		50	0	18.19	18.10	18.08	19.5		
20M	QPSK	Channel	2000	2100	2100	2100	2100	2100	2100
		Frequency (MHz)	2000	2100	2100	2100	2100		
		1	12	23.15	23.16	23.13	24.5		
		1	24	22.93	22.95	22.92	24.5		
		12	0	21.98	22.11	22.11	23.5		
		12	6	22.01	22.09	22.07	23.5		
		12	13	22.14	22.10	21.97	23.5		
		25	0	22.06	22.10	22.05	23.5		
		1	0	22.38	22.21	22.22	23.5		
		1	24	22.22	22.28	22.11	23.5		
100M	16QAM	12	0	21.28	21.05	21.14	22.5	22.5	22.5
		12	6	21.23	21.02	21.00	22.5		
		12	13	21.15	21.00	21.07	22.5		
		25	0	21.12	21.13	21.08	22.5		
		1	0	21.09	21.30	21.11	22.5		
		1	12	21.22	21.03	21.18	22.5		
		1	24	20.96	20.90	21.21	22.5		
		12	0	20.20	20.10	19.99	21.5		
		12	6	20.20	20.04	19.98	21.5		
		12	13	20.07	20.02	20.04	21.5		
20M	64QAM	25	0	20.15	20.14	19.97	21.5	21.5	21.5
		1	0	19.28	19.19	19.20	19.5		
		1	12	19.30	19.18	19.06	19.5		
		1	24	19.38	19.00	19.11	19.5		
		12	6	19.24	19.12	19.10	19.5		
		12	1	19.13	19.15	19.10	19.5		
		12	13	19.10	19.23	19.19	19.5		
		25	0	19.17	19.13	19.00	19.5		
20M	256QAM	1	0	19.17	19.13	19.00	19.5	19.5	19.5
		1	12	19.10	19.23	19.19	19.5		
		12	13	19.10	19.23	19.19	19.5		
		25	0	19.17	19.13	19.00	19.5		

LTE Band 12 (Aur)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max	Turnup (dBm)	Max Turnup (dBm)	
		Channel	20MHz	21MHz	21MHz	21MHz	21MHz			
20M	QPSK	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.15	24.20	24.21	25.5			
		1	24	24.17	24.22	24.22	25.5			
		1	49	24.07	24.11	24.08	25.5			
		25	0	23.20	23.21	23.19	24.5			
		25	12	23.21	23.22	23.19	24.5			
		25	25	23.26	23.28	23.23	24			
		50	0	23.26	23.27	23.20	24.5			
		50	1	23.36	23.39	23.39	24.5			
		50	1	24	24.18	24.24	24.22	24.5		
10M	16QAM	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.17	24.22	24.22	25.5			
		1	25	23.22	23.23	23.21	24.5			
		25	12	23.25	23.26	23.22	24.5			
		25	25	23.31	23.34	23.29	24.5			
		50	0	23.27	23.28	23.20	24.5			
		50	1	23.34	23.37	23.37	24.5			
		50	1	24	24.20	24.26	24.22	24.5		
		50	1	24	24.21	24.23	24.23	24.5		
		50	1	24	24.22	24.24	24.24	24.5		
5M	QPSK	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.15	24.20	24.21	25.5			
		1	24	24.17	24.22	24.22	25.5			
		1	49	24.07	24.11	24.08	25.5			
		25	0	23.20	23.21	23.19	24.5			
		25	12	23.21	23.22	23.19	24.5			
		25	25	23.26	23.28	23.23	24			
		50	0	23.26	23.27	23.20	24.5			
		50	1	23.36	23.39	23.39	24.5			
		50	1	24	24.18	24.24	24.22	24.5		
20M	16QAM	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.15	24.20	24.21	25.5			
		1	24	24.17	24.22	24.22	25.5			
		1	49	24.07	24.11	24.08	25.5			
		25	0	23.20	23.21	23.19	24.5			
		25	12	23.21	23.22	23.19	24.5			
		25	25	23.26	23.28	23.23	24			
		50	0	23.26	23.27	23.20	24.5			
		50	1	23.36	23.39	23.39	24.5			
		50	1	24	24.18	24.24	24.22	24.5		
10M	16QAM	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.17	24.22	24.22	25.5			
		1	25	23.22	23.23	23.21	24.5			
		25	12	23.25	23.26	23.22	24.5			
		25	25	23.31	23.34	23.29	24.5			
		50	0	23.27	23.28	23.20	24.5			
		50	1	23.34	23.37	23.37	24.5			
		50	1	24	24.20	24.26	24.22	24.5		
		50	1	24	24.21	24.23	24.23	24.5		
		50	1	24	24.22	24.24	24.24	24.5		
5M	QPSK	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.15	24.20	24.21	25.5			
		1	24	24.17	24.22	24.22	25.5			
		1	49	24.07	24.11	24.08	25.5			
		25	0	23.20	23.21	23.19	24.5			
		25	12	23.21	23.22	23.19	24.5			
		25	25	23.26	23.28	23.23	24			
		50	0	23.26	23.27	23.20	24.5			
		50	1	23.36	23.39	23.39	24.5			
		50	1	24	24.18	24.24	24.22	24.5		
20M	16QAM	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.15	24.20	24.21	25.5			
		1	24	24.17	24.22	24.22	25.5			
		1	49	24.07	24.11	24.08	25.5			
		25	0	23.20	23.21	23.19	24.5			
		25	12	23.21	23.22	23.19	24.5			
		25	25	23.26	23.28	23.23	24			
		50	0	23.26	23.27	23.20	24.5			
		50	1	23.36	23.39	23.39	24.5			
		50	1	24	24.18	24.24	24.22	24.5		
10M	16QAM	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.17	24.22	24.22	25.5			
		1	25	23.22	23.23	23.21	24.5			
		25	12	23.25	23.26	23.22	24.5			
		25	25	23.31	23.34	23.29	24.5			
		50	0	23.27	23.28	23.20	24.5			
		50	1	23.34	23.37	23.37	24.5			
		50	1	24	24.20	24.26	24.22	24.5		
		50	1	24	24.21	24.23	24.23	24.5		
		50	1	24	24.22	24.24	24.24	24.5		
5M	QPSK	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.15	24.20	24.21	25.5			
		1	24	24.17	24.22	24.22	25.5			
		1	49	24.07	24.11	24.08	25.5			
		25	0	23.20	23.21	23.19	24.5			
		25	12	23.21	23.22	23.19	24.5			
		25	25	23.26	23.28	23.23	24			
		50	0	23.26	23.27	23.20	24.5			
		50	1	23.36	23.39	23.39	24.5			
		50	1	24	24.18	24.24	24.22	24.5		
20M	16QAM	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.15	24.20	24.21	25.5			
		1	24	24.17	24.22	24.22	25.5			
		1	49	24.07	24.11	24.08	25.5			
		25	0	23.20	23.21	23.19	24.5			
		25	12	23.21	23.22	23.19	24.5			
		25	25	23.26	23.28	23.23	24			
		50	0	23.26	23.27	23.20	24.5			
		50	1	23.36	23.39	23.39	24.5			
		50	1	24	24.18	24.24	24.22	24.5		
10M	16QAM	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.17	24.22	24.22	25.5			
		1	25	23.22	23.23	23.21	24.5			
		25	12	23.25	23.26	23.22	24.5			
		25	25	23.31	23.34	23.29	24.5			
		50	0	23.27	23.28	23.20	24.5			
		50	1	23.34	23.37	23.37	24.5			
		50	1	24	24.20	24.26	24.22	24.5		
		50	1	24	24.21	24.23	24.23	24.5		
		50	1	24	24.22	24.24	24.24	24.5		
5M	QPSK	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.15	24.20	24.21	25.5			
		1	24	24.17	24.22	24.22	25.5			
		1	49	24.07	24.11	24.08	25.5			
		25	0	23.20	23.21	23.19	24.5			
		25	12	23.21	23.22	23.19	24.5			
		25	25	23.26	23.28	23.23	24			
		50	0	23.26	23.27	23.20	24.5			
		50	1	23.36	23.39	23.39	24.5			
		50	1	24	24.18	24.24	24.22	24.5		
20M	16QAM	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.15	24.20	24.21	25.5			
		1	24	24.17	24.22	24.22	25.5			
		1	49	24.07	24.11	24.08	25.5			
		25	0	23.20	23.21	23.19	24.5			
		25	12	23.21	23.22	23.19	24.5			
		25	25	23.26	23.28	23.23	24			
		50	0	23.26	23.27	23.20	24.5			
		50	1	23.36	23.39	23.39	24.5			
		50	1	24	24.18	24.24	24.22	24.5		
10M	16QAM	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.17	24.22	24.22	25.5			
		1	25	23.22	23.23	23.21	24.5			
		25	12	23.25	23.26	23.22	24.5			
		25	25	23.31	23.34	23.29	24.5			
		50	0	23.27	23.28	23.20	24.5			
		50	1	23.34	23.37	23.37	24.5			
		50	1	24	24.20	24.26	24.22	24.5		
		50	1	24	24.21	24.23	24.23	24.5		
		50	1	24	24.22	24.24	24.24	24.5		
5M	QPSK	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.15	24.20	24.21	25.5			
		1	24	24.17	24.22	24.22	25.5			
		1	49	24.07	24.11	24.08	25.5			
		25	0	23.20	23.21	23.19	24.5			
		25	12	23.21	23.22	23.19	24.5			
		25	25	23.26	23.28	23.23	24			
		50	0	23.26	23.27	23.20	24.5			
		50	1	23.36	23.39	23.39	24.5			
		50	1	24	24.18	24.24	24.22	24.5		
20M	16QAM	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.15	24.20	24.21	25.5			
		1	24	24.17	24.22	24.22	25.5			
		1	49	24.07	24.11	24.08	25.5			
		25	0	23.20	23.21	23.19	24.5			
		25	12	23.21	23.22	23.19	24.5			
		25	25	23.26	23.28	23.23	24			
		50	0	23.26	23.27	23.20	24.5			
		50	1	23.36	23.39	23.39	24.5			
		50	1	24	24.18	24.24	24.22	24.5		
10M	16QAM	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.17	24.22	24.22	25.5			
		1	25	23.22	23.23	23.21	24.5			
		25	12	23.25	23.26	23.22	24.5			
		25	25	23.31	23.34	23.29	24.5			
		50	0	23.27	23.28	23.20	24.5			
		50	1	23.34	23.37	23.37	24.5			
		50	1	24	24.20	24.26	24.22	24.5		
		50	1	24	24.21	24.23	24.23	24.5		
		50	1	24	24.22	24.24	24.24	24.5		
5M	QPSK	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.15	24.20	24.21	25.5			
		1	24	24.17	24.22	24.22	25.5			
		1	49	24.07	24.11	24.08	25.5			
		25	0	23.20	23.21	23.19	24.5			
		25	12	23.21	23.22	23.19	24.5			
		25	25	23.26	23.28	23.23	24			
		50	0	23.26	23.27	23.20	24.5			
		50	1	23.36	23.39	23.39	24.5			
		50	1	24	24.18	24.24	24.22	24.5		
20M	16QAM	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.15	24.20	24.21	25.5			
		1	24	24.17	24.22	24.22	25.5			
		1	49	24.07	24.11	24.08	25.5			
		25	0	23.20	23.21	23.19	24.5			
		25	12	23.21	23.22	23.19	24.5			
		25	25	23.26	23.28	23.23	24			
		50	0	23.26	23.27	23.20	24.5			
		50	1	23.36	23.39	23.39	24.5			
		50	1	24	24.18	24.24	24.22	24.5		
10M	16QAM	Frequency (MHz)	796	797	791	791	791	791	791	791
		1	0	24.17	24.22	24.22	25.5			
		1	25	23.22	23.23	23.21	24.5			
		25	12	23.25	23.26	23.22	24.5			
		25	25	23.31	23.34	23.29	24.5			
		50	0	23.27	23.28	23.20				

LTE Band 40 for SAR (Ant4)										
BW	MCS Index	RB Size		RB Offset		Low		High Mid		Max. Throughput (Mbps)
		Channel		Channel		Channel		Channel		
		RB Size	RB Offset	Low	High Mid	High	Max. Throughput (Mbps)	Low	High Mid	High
20M	QPSK	1	0	23.62	23.55	23.41	23.74	24.5	24.5	24.5
		1	50	23.71	23.58	23.52	23.79	24.5	24.5	24.5
		1	99	23.87	23.69	23.68	23.76	24.5	24.5	24.5
		50	0	22.74	22.59	22.50	22.80	23.5	23.5	23.5
		50	50	22.76	22.65	22.69	22.81	23.5	23.5	23.5
		100	0	22.75	22.63	22.65	22.83	23.5	23.5	23.5
		100	50	22.76	22.66	22.67	22.84	23.5	23.5	23.5
		1	50	22.82	22.47	22.42	22.74	23.5	23.5	23.5
		1	99	22.84	22.46	22.57	22.72	23.5	23.5	23.5
		50	0	21.76	21.68	21.64	21.86	22.5	22.5	22.5
20M	16QAM	1	0	21.72	21.68	21.64	21.82	22.5	22.5	22.5
		1	50	21.74	21.67	21.64	21.88	22.5	22.5	22.5
		1	99	21.79	21.62	21.50	21.89	22.5	22.5	22.5
		50	0	20.77	20.54	20.52	20.84	21.5	21.5	21.5
		50	50	20.78	20.64	20.69	20.81	21.5	21.5	21.5
		100	0	20.75	20.62	20.62	20.80	21.5	21.5	21.5
		100	50	20.76	20.60	20.64	20.83	21.5	21.5	21.5
		1	50	18.78	18.63	18.54	18.92	19.5	19.5	19.5
		1	99	18.79	18.62	18.56	18.90	19.5	19.5	19.5
		50	0	18.71	18.56	18.50	18.88	19.5	19.5	19.5
20M	64QAM	1	0	18.61	18.59	18.52	18.88	19.5	19.5	19.5
		1	50	18.62	18.59	18.52	18.88	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
		100	0	18.78	18.68	18.60	18.90	19.5	19.5	19.5
		1	50	18.71	18.64	18.58	18.90	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
20M	256QAM	1	0	18.61	18.59	18.52	18.88	19.5	19.5	19.5
		1	50	18.62	18.59	18.52	18.88	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
		100	0	18.78	18.68	18.60	18.90	19.5	19.5	19.5
		1	50	18.71	18.64	18.58	18.90	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
20M	512QAM	1	0	18.61	18.59	18.52	18.88	19.5	19.5	19.5
		1	50	18.62	18.59	18.52	18.88	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
		100	0	18.78	18.68	18.60	18.90	19.5	19.5	19.5
		1	50	18.71	18.64	18.58	18.90	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
20M	1024QAM	1	0	18.61	18.59	18.52	18.88	19.5	19.5	19.5
		1	50	18.62	18.59	18.52	18.88	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
		100	0	18.78	18.68	18.60	18.90	19.5	19.5	19.5
		1	50	18.71	18.64	18.58	18.90	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
20M	2048QAM	1	0	18.61	18.59	18.52	18.88	19.5	19.5	19.5
		1	50	18.62	18.59	18.52	18.88	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
		100	0	18.78	18.68	18.60	18.90	19.5	19.5	19.5
		1	50	18.71	18.64	18.58	18.90	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
20M	4096QAM	1	0	18.61	18.59	18.52	18.88	19.5	19.5	19.5
		1	50	18.62	18.59	18.52	18.88	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
		100	0	18.78	18.68	18.60	18.90	19.5	19.5	19.5
		1	50	18.71	18.64	18.58	18.90	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
20M	8192QAM	1	0	18.61	18.59	18.52	18.88	19.5	19.5	19.5
		1	50	18.62	18.59	18.52	18.88	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
		100	0	18.78	18.68	18.60	18.90	19.5	19.5	19.5
		1	50	18.71	18.64	18.58	18.90	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
20M	16384QAM	1	0	18.61	18.59	18.52	18.88	19.5	19.5	19.5
		1	50	18.62	18.59	18.52	18.88	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
		100	0	18.78	18.68	18.60	18.90	19.5	19.5	19.5
		1	50	18.71	18.64	18.58	18.90	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
20M	32768QAM	1	0	18.61	18.59	18.52	18.88	19.5	19.5	19.5
		1	50	18.62	18.59	18.52	18.88	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
		100	0	18.78	18.68	18.60	18.90	19.5	19.5	19.5
		1	50	18.71	18.64	18.58	18.90	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
20M	65536QAM	1	0	18.61	18.59	18.52	18.88	19.5	19.5	19.5
		1	50	18.62	18.59	18.52	18.88	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
		100	0	18.78	18.68	18.60	18.90	19.5	19.5	19.5
		1	50	18.71	18.64	18.58	18.90	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
20M	131072QAM	1	0	18.61	18.59	18.52	18.88	19.5	19.5	19.5
		1	50	18.62	18.59	18.52	18.88	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
		100	0	18.78	18.68	18.60	18.90	19.5	19.5	19.5
		1	50	18.71	18.64	18.58	18.90	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
20M	262144QAM	1	0	18.61	18.59	18.52	18.88	19.5	19.5	19.5
		1	50	18.62	18.59	18.52	18.88	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
		100	0	18.78	18.68	18.60	18.90	19.5	19.5	19.5
		1	50	18.71	18.64	18.58	18.90	19.5	19.5	19.5
		1	99	18.69	18.65	18.74	18.93	19.5	19.5	19.5
		50	0	18.63	18.59	18.52	18.86	19.5	19.5	19.5
		50	50	18.60	18.54	18.60	18.92	19.5	19.5	19.5
2										

Receiver off_DS14_Sim-Tx

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.44	23.41	23.47	24.5
		1	53	23.36	23.37	23.41	24.5
		1	104	23.38	23.31	23.35	24.5
		50	0	23.47	23.54	23.53	24.5
		50	28	23.46	23.46	23.55	24.5
		50	56	23.60	23.48	23.53	24.5
		100	0	23.48	23.54	23.49	24.5
	DFT-s-OFDM QPSK	1	1	23.61	23.55	23.57	24.5
		1	53	23.46	23.36	23.43	24.5
		1	104	23.11	23.47	23.32	24.5
		50	0	22.98	23.01	22.93	23.5
		50	28	23.58	23.50	23.44	24.5
		50	56	23.04	22.97	22.58	23.5
		100	0	22.98	22.95	22.93	23.5
	DFT-s-OFDM 16QAM	1	1	22.93	22.93	23.19	23.5
	DFT-s-OFDM 64QAM	1	1	21.63	21.65	21.06	22.5
	DFT-s-OFDM 256QAM	1	1	18.99	19.04	19.06	20.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	23.58	23.47	23.48	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.55	23.45	23.44	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	23.57	23.41	23.55	24.5

n5 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.42	23.38	23.46	24.5
		1	53	23.48	23.51	23.45	24.5
		1	104	23.40	23.53	23.41	24.5
		50	0	23.51	23.58	23.52	24.5
		50	28	23.43	23.55	23.52	24.5
		50	56	23.50	23.53	23.56	24.5
		100	0	23.47	23.56	23.57	24.5
	DFT-s-OFDM QPSK	1	1	23.57	23.64	23.55	24.5
		1	53	23.38	23.42	23.48	24.5
		1	104	23.41	23.43	23.42	24.5
		50	0	23.52	23.58	23.50	24.5
		50	28	23.46	23.59	23.49	24.5
		50	56	23.53	23.61	23.51	24.5
		100	0	23.50	23.57	23.54	24.5
	DFT-s-OFDM 16QAM	1	1	23.32	23.43	23.39	24.5
	DFT-s-OFDM 64QAM	1	1	21.68	22.15	22.04	22.5
	DFT-s-OFDM 256QAM	1	1	19.98	19.53	19.54	20.5
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	1	1	23.49	23.62	23.53	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.50	23.55	23.44	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.43	23.51	23.52	24.5

n48 (SCS 30 kHz) (Ant4)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pv2 BPSK	1	1	23.47	23.83	24.05	24.5
		1	53	23.56	23.91	24.04	24.5
		1	104	23.70	24.11	24.09	24.5
		50	0	23.63	23.93	24.10	24.5
		50	28	23.63	23.95	24.09	24.5
		50	56	23.70	23.98	24.13	24.5
		100	0	23.61	23.91	24.09	24.5
	DFT-s-OFDM QPSK	1	1	23.71	24.12	24.16	24.5
		1	53	23.52	23.86	24.03	24.5
		1	104	23.68	23.97	24.05	24.5
		50	0	23.62	23.96	24.11	24.5
		50	28	23.57	23.93	24.04	24.5
		50	56	23.61	23.92	24.07	24.5
		100	0	23.59	23.92	23.96	24.5
	DFT-s-OFDM 16QAM	1	53	23.58	23.86	24.02	24.5
	DFT-s-OFDM 64QAM	1	53	23.36	23.59	23.60	24
	DFT-s-OFDM 256QAM	1	53	22.05	22.20	22.35	23
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	23.60	24.05	24.01	24.5
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	23.63	24.00	24.08	24.5

n66 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM Pv2 BPSK	1	1	23.43	23.44	23.41	24.5
		1	108	23.47	23.36	23.37	24.5
		1	214	23.42	23.29	23.24	24.5
		108	0	23.21	22.80	22.57	24
		108	54	23.01	22.88	23.51	24.5
		108	108	23.12	22.47	22.41	24
		216	0	23.09	22.50	22.50	24
	DFT-s-OFDM QPSK	1	1	23.51	23.54	23.33	24.5
		1	108	23.47	23.34	23.27	24.5
		1	214	23.39	23.31	23.18	24.5
		108	0	22.58	22.57	22.43	23.5
		108	54	23.25	23.49	23.30	24.5
		108	108	22.67	22.57	22.30	23.5
		216	0	22.51	22.56	22.35	23.5
	DFT-s-OFDM 16QAM	1	1	22.45	22.07	22.63	23.5
	DFT-s-OFDM 64QAM	1	1	21.18	20.94	20.53	22
	DFT-s-OFDM 256QAM	1	1	18.45	18.86	18.43	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.21	23.36	23.46	24.5
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	23.37	23.24	23.15	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.29	23.41	23.35	24.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	23.18	23.27	23.17	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.09	23.22	23.31	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.23	23.41	23.36	24.5

n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)	
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	DFT-s-OFDM P/2 BPSK	1	1	23.10		24.5	
		1	137	22.95		24.5	
		1	271	22.94		24.5	
		135	0	23.07		24.5	
		135	69	23.04		24.5	
		135	138	23.00		24.5	
		270	0	23.03		24.5	
	DFT-s-OFDM QPSK	1	1	23.18		24.5	
		1	137	22.99		24.5	
		1	271	22.98		24.5	
		135	0	23.08		24.5	
		135	69	23.04		24.5	
		135	138	23.10		24.5	
		270	0	23.05		24.5	
	DFT-s-OFDM 16QAM	1	1	23.07		24.5	
	DFT-s-OFDM 64QAM	1	1	22.75		23.5	
	DFT-s-OFDM 256QAM	1	1	21.12		22	
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	23.09	23.16	23.14	24.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	23.05	23.05	22.99	24.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	23.03	23.03	23.02	24.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	23.07	23.02	23.05	24.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	23.03	23.02	23.10	24.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	23.00	23.10	23.02	24.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	22.96	23.07	23.12	24.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	22.96	23.07	23.08	24.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	23.01	23.14	22.99	24.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	22.94	23.03	23.06	24.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	22.85	22.83	22.76	24.5

n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/V2 BPSK	1	1	23.28	23.75	23.84	24.5
		1	137	23.25	23.29	23.76	24.5
		1	271	23.31	23.55	23.91	24.5
		135	0	23.26	23.39	23.70	24.5
		135	69	23.29	23.47	23.75	24.5
		135	138	23.34	23.42	23.83	24.5
		270	0	23.28	23.38	23.74	24.5
	DFT-s-OFDM QPSK	1	1	23.35	23.92	23.95	24.5
		1	137	23.25	23.75	23.72	24.5
		1	271	23.27	23.80	23.82	24.5
		135	0	23.23	23.70	23.74	24.5
		135	69	23.28	23.69	23.71	24.5
		135	138	23.29	23.77	23.82	24.5
		270	0	23.24	23.73	23.77	24.5
	DFT-s-OFDM 16QAM	1	1	23.26	23.43	23.37	24.5
	DFT-s-OFDM 64QAM	1	1	23.27	23.25	23.30	23.5
	DFT-s-OFDM 256QAM	1	1	21.88	21.48	21.51	22
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	23.34	23.90	23.91	24.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3935.99	
80M	DFT-s-OFDM QPSK	1	1	23.32	23.85	23.92	24.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	23.25	23.76	23.79	24.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	23.28	23.76	23.84	24.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	23.31	23.80	23.86	24.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	23.19	23.88	23.93	24.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	23.24	23.83	23.93	24.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	23.31	23.78	23.87	24.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	23.25	23.75	23.80	24.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	23.20	23.77	23.81	24.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	23.33	23.54	23.62	24.5

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		26.13		27.5
		1	137		25.89		27.5
		1	271		25.96		27.5
		135	0		25.50		27
		135	69		25.97		27.5
		135	138		25.45		27
		270	0		25.49		27
	DFT-s-OFDM QPSK	1	1		26.18		27.5
		1	137		25.82		27.5
		1	271		25.91		27.5
		135	0		25.11		26.5
		135	69		25.95		27.5
		135	138		24.92		26.5
		270	0		25.05		26.5
	DFT-s-OFDM 16QAM	1	1		24.98		26.5
	DFT-s-OFDM 64QAM	1	1		23.49		25
	DFT-s-OFDM 256QAM	1	1		21.44		23
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	26.16	26.14	26.12	27.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	26.08	26.07	26.02	27.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	26.02	26.08	26.07	27.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	26.10	26.13	25.99	27.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	26.15	26.12	26.07	27.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	26.14	26.13	26.02	27.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	26.13	26.12	26.00	27.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	26.06	26.03	26.06	27.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	26.01	26.10	26.02	27.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	26.04	26.08	25.99	27.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	25.93	26.07	25.85	27.5

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	26.43	26.51	26.82	27.5
		1	137	26.28	26.36	26.79	27.5
		1	271	26.40	26.61	26.76	27.5
		135	0	25.80	25.83	26.22	27
		135	69	26.27	26.32	26.60	27.5
		135	138	25.93	26.00	26.41	27
		270	0	25.88	25.97	26.30	27
	DFT-s-OFDM QPSK	1	1	26.50	26.67	26.96	27.5
		1	137	26.33	26.41	26.75	27.5
		1	271	26.40	26.61	26.95	27.5
		135	0	25.41	25.57	25.73	26.5
		135	69	26.31	26.40	26.78	27.5
		135	138	25.43	25.68	25.90	26.5
		270	0	25.32	25.46	25.78	26.5
	DFT-s-OFDM 16QAM	1	1	25.23	25.53	25.50	26.5
	DFT-s-OFDM 64QAM	1	1	23.48	23.49	23.81	25
	DFT-s-OFDM 256QAM	1	1	21.20	21.36	21.53	23
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	26.37	26.62	26.89	27.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3935.99	
80M	DFT-s-OFDM QPSK	1	1	26.48	26.58	26.87	27.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	26.40	26.57	26.85	27.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	26.45	26.58	26.88	27.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	26.46	26.52	26.81	27.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	26.40	26.52	26.82	27.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	26.43	26.57	26.87	27.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	26.48	26.65	26.90	27.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	26.49	26.62	26.82	27.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	26.48	26.65	26.91	27.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	26.39	26.55	26.78	27.5

Receiver Off_Bld_Bm-Tx

CA_56 (Ant2)										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power (dBm)	Max. Turn-up Power
					RB Size	RB offset	RB Size	RB offset		
20450	829	20549	838.9	QPSK	1	49	1	0	24.87	25.5
				16QAM	1	49	1	0	23.97	24.5
				64QAM	1	49	1	0	21.35	23.5
				256QAM	1	49	1	0	19.93	20.5
				QPSK	1	49	1	0	24.81	25.5
20476	831.6	20575	841.5	16QAM	1	49	1	0	23.02	24.5
				64QAM	1	49	1	0	21.30	23.5
				256QAM	1	49	1	0	19.99	20.5
				QPSK	1	49	1	0	24.74	25.5
				16QAM	1	49	1	0	23.91	24.5
20501	834.1	20600	844	64QAM	1	49	1	0	21.37	23.5
				256QAM	1	49	1	0	19.96	20.5
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power (dBm)	Max. Turn-up Power
					RB Size	RB offset	RB Size	RB offset		
20450	829	20522	836.2	QPSK	1	49	1	0	24.79	25.5
				16QAM	1	49	1	0	23.91	24.5
				64QAM	1	49	1	0	21.21	23.5
				256QAM	1	49	1	0	19.81	20.5
				QPSK	1	49	1	0	24.82	25.5
20500	834	20572	841.2	16QAM	1	49	1	0	22.98	24.5
				64QAM	1	49	1	0	21.36	23.5
				256QAM	1	49	1	0	19.96	20.5
				QPSK	1	49	1	0	24.65	25.5
				16QAM	1	49	1	0	23.95	24.5
20550	839	20622	846.2	64QAM	1	49	1	0	21.28	23.5
				256QAM	1	49	1	0	19.98	20.5
Combination 5MHz+10MHz (25RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power (dBm)	Max. Turn-up Power
					RB Size	RB offset	RB Size	RB offset		
20428	826.9	20500	834	QPSK	1	24	1	0	24.77	25.5
				16QAM	1	24	1	0	23.93	24.5
				64QAM	1	24	1	0	21.19	23.5
				256QAM	1	24	1	0	19.79	20.5
				QPSK	1	24	1	0	24.05	25.5
20478	831.8	20550	839	16QAM	1	24	1	0	22.94	24.5
				64QAM	1	24	1	0	21.11	23.5
				256QAM	1	24	1	0	19.89	20.5
				QPSK	1	24	1	0	24.00	25.5
				16QAM	1	24	1	0	23.79	24.5
20528	836.8	20600	844	64QAM	1	24	1	0	21.25	23.5
				256QAM	1	24	1	0	19.89	20.5
Combination 5MHz+5MHz (25RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power (dBm)	Max. Turn-up Power
					RB Size	RB offset	RB Size	RB offset		
20425	826.5	20464	830.4	QPSK	1	24	1	0	24.93	25.5
				16QAM	1	24	1	0	23.94	24.5
				64QAM	1	24	1	0	21.26	23.5
				256QAM	1	24	1	0	19.73	20.5
				QPSK	1	24	1	0	24.65	25.5
20510	836	20549	838.9	16QAM	1	24	1	0	22.95	24.5
				64QAM	1	24	1	0	21.10	23.5
				256QAM	1	24	1	0	19.83	20.5
				QPSK	1	24	1	0	24.82	25.5
				16QAM	1	24	1	0	23.97	24.5
20595	843.5	20634	847.4	64QAM	1	24	1	0	21.20	23.5
				256QAM	1	24	1	0	19.74	20.5
Combination 3MHz+5MHz (15RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power (dBm)	Max. Turn-up Power
					RB Size	RB offset	RB Size	RB offset		
20416	825.6	20455	829.5	QPSK	1	14	1	0	24.80	25.5
				16QAM	1	14	1	0	23.89	24.5
				64QAM	1	14	1	0	21.15	23.5
				256QAM	1	14	1	0	19.87	20.5
				QPSK	1	14	1	0	24.58	25.5
20501	834.1	20540	838	16QAM	1	14	1	0	22.88	24.5
				64QAM	1	14	1	0	21.01	23.5
				256QAM	1	14	1	0	19.82	20.5
				QPSK	1	14	1	0	24.57	25.5
				16QAM	1	14	1	0	23.73	24.5
20586	842.6	20625	846.5	64QAM	1	14	1	0	21.25	23.5
				256QAM	1	14	1	0	19.86	20.5

CA_66B (Ant1)										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power (dBm)	Max. Turn-up Power
					RB Size	RB offset	RB Size	RB offset		
132022	1715	132121	1724.9	QPSK	1	49	1	0	23.86	24.5
				16QAM	1	49	1	0	23.36	23.5
				64QAM	1	49	1	0	21.73	22.5
				256QAM	1	49	1	0	19.11	19.5
				QPSK	1	49	1	0	23.92	24.5
132373	1750.1	132472	1760	16QAM	1	49	1	0	23.25	23.5
				64QAM	1	49	1	0	21.69	22.5
				256QAM	1	49	1	0	19.94	19.5
				QPSK	1	49	1	0	23.78	24.5
				16QAM	1	49	1	0	23.21	23.5
132523	1765.1	132622	1775	64QAM	1	49	1	0	21.63	22.5
				256QAM	1	49	1	0	19.12	19.5
Combination 10MHz+5MHz (25RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power (dBm)	Max. Turn-up Power
					RB Size	RB offset	RB Size	RB offset		
120847	1717.5	132146	1726.8	QPSK	1	74	1	0	23.75	24.5
				16QAM	1	74	1	0	23.15	23.5
				64QAM	1	74	1	0	21.58	22.5
				256QAM	1	74	1	0	19.91	19.5
				QPSK	1	74	1	0	23.71	24.5
132398	1752.6	132491	1761.9	16QAM	1	74	1	0	23.05	23.5
				64QAM	1	74	1	0	21.50	22.5
				256QAM	1	74	1	0	19.81	19.5
				QPSK	1	74	1	0	23.60	24.5
				16QAM	1	74	1	0	23.10	23.5
132549	1757.7	132642	1777	64QAM	1	74	1	0	21.44	22.5
				256QAM	1	74	1	0	19.03	19.5
Combination 5MHz+10MHz (25RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power (dBm)	Max. Turn-up Power
					RB Size	RB offset	RB Size	RB offset		
132002	1713	132095	1722.3	QPSK	1	24	1	0	23.69	24.5
				16QAM	1	24	1	0	23.14	23.5
				64QAM	1	24	1	0	21.54	22.5
				256QAM	1	24	1	0	19.91	19.5
				QPSK	1	24	1	0	23.78	24.5
132353	1748.1	132446	1757.4	16QAM	1	24	1	0	23.05	23.5
				64QAM	1	24	1	0	21.50	22.5
				256QAM	1	24	1	0	19.81	19.5
				QPSK	1	24	1	0	23.60	24.5
				16QAM	1	24	1	0	23.10	23.5
132554	1763.2	132597	1772.6	64QAM	1	24	1	0	21.38	22.5
				256QAM	1	24	1	0	19.02	19.5
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power (dBm)	Max. Turn-up Power
					RB Size	RB offset	RB Size	RB offset		
132022	1715	132096	1722.2	QPSK	1	49	1	0	23.69	24.5
				16QAM	1	49	1	0	23.23	23.5
				64QAM	1	49	1	0	21.57	22.5
				256QAM	1	49	1	0	19.99	19.5
				QPSK	1	49	1	0	23.84	24.5
132397	1752.5	132499	1759.7	16QAM	1	49	1	0	23.13	23.5
				64QAM	1	49	1	0	21.54	22.5
				256QAM	1	49	1	0	19.74	19.5
				QPSK	1	49	1	0	23.75	24.5
				16QAM	1	49	1	0	23.06	23.5
132572	1770	132646	1777.2	64QAM	1	49	1	0	21.44	22.5
				256QAM	1	49	1	0	19.03	19.5
Combination 5MHz+10MHz (25RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power (dBm)	Max. Turn-up Power
					RB Size	RB offset	RB Size	RB offset		
132000	1712.8	132072	1720	QPSK	1	24	1	0	23.65	24.5
				16QAM	1	24	1	0	23.11	23.5
				64QAM	1	24	1	0	21.52	22.5
				256QAM	1	24	1	0	19.03	19.5
				QPSK	1	24	1	0	23.74	24.5
132373	1750.3	132447	1757.5	16QAM	1	24	1	0	23.05	23.5
				64QAM	1	24	1	0	21.54	22.5
				256QAM	1	24	1	0	19.79	19.5
				QPSK	1	24	1	0	23.73	24.5
				16QAM	1	24	1	0	23.09	23.5
132550	1767.8	132623	1775	64QAM	1	24	1	0	21.46	22.5
				256QAM	1	24	1	0	19.07	19.5
Combination 5MHz+5MHz (25RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC		SCC		Measured Power (dBm)	Max. Turn-up Power
					RB Size	RB offset	RB Size	RB offset		
131997	1712.5	132045	1717.3	QPSK	1	24	1	0	23.60	24.5
				16QAM	1	24	1	0	23.09	23.5
				64QAM	1	24	1	0	21.47	22.5
				256QAM	1	24	1	0	19.91	19.5
				QPSK	1	24	1	0	23.74	24.5
132398	1757.5	132446	1762.3	16QAM	1	24	1	0	23.01	23.5
				64QAM	1	24	1	0	21.48	22.5
				256QAM	1	24	1	0	19.73	19.5
				QPSK	1	24	1	0	23.74	24.5
				16QAM	1	24	1	0	23.07	23.5
132599	1772.7	132647	1777.5	64QAM	1	24	1	0	21.42	22.5
				256QAM	1	24	1	0	19.06	19.5

CA 48C (Ann4)									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50340	3560	50338	3579.8	QPSK	1	99	1	0	23.80
				16QAM	1	99	1	0	22.80
				64QAM	1	99	1	0	21.88
				256QAM	1	99	1	0	18.82
				QPSK	1	99	1	0	23.85
50991	3615.1	50989	3634.9	16QAM	1	99	1	0	22.93
				64QAM	1	99	1	0	21.98
				256QAM	1	99	1	0	18.85
				QPSK	1	99	1	0	23.82
				16QAM	1	99	1	0	22.95
50442	3670.2	50440	3690	64QAM	1	99	1	0	21.92
				256QAM	1	99	1	0	18.82
				QPSK	1	99	1	0	23.82
				16QAM	1	99	1	0	22.95
				64QAM	1	99	1	0	21.95
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50340	3560	50511	3577.1	QPSK	1	99	1	0	23.75
				16QAM	1	99	1	0	22.77
				64QAM	1	99	1	0	21.77
				256QAM	1	99	1	0	18.76
				QPSK	1	99	1	0	23.84
50916	3617.6	50907	3634.7	16QAM	1	99	1	0	22.83
				64QAM	1	99	1	0	21.86
				256QAM	1	99	1	0	18.85
				QPSK	1	99	1	0	23.89
				16QAM	1	99	1	0	22.85
50491	3675.1	50562	3692.2	64QAM	1	99	1	0	22.00
				256QAM	1	99	1	0	18.99
				QPSK	1	99	1	0	23.89
				16QAM	1	99	1	0	22.90
				64QAM	1	99	1	0	21.95
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50319	3557.8	50489	3574.9	QPSK	1	74	1	0	23.74
				16QAM	1	74	1	0	22.75
				64QAM	1	74	1	0	21.80
				256QAM	1	74	1	0	18.80
				QPSK	1	74	1	0	23.81
50883	3615.3	50604	3632.4	16QAM	1	74	1	0	22.80
				64QAM	1	74	1	0	21.80
				256QAM	1	74	1	0	18.88
				QPSK	1	74	1	0	23.87
				16QAM	1	74	1	0	22.89
50469	3672.8	50540	3690	64QAM	1	74	1	0	21.95
				256QAM	1	74	1	0	18.88
				QPSK	1	74	1	0	23.87
				16QAM	1	74	1	0	22.89
				64QAM	1	74	1	0	21.95
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50340	3560	50454	3574.4	QPSK	1	99	1	0	23.69
				16QAM	1	99	1	0	22.69
				64QAM	1	99	1	0	21.76
				256QAM	1	99	1	0	18.70
				QPSK	1	99	1	0	23.69
50941	3620.1	50682	3634.5	16QAM	1	99	1	0	22.80
				64QAM	1	99	1	0	21.83
				256QAM	1	99	1	0	18.84
				QPSK	1	99	1	0	23.87
				16QAM	1	99	1	0	22.85
50541	3680.1	50680	3694.5	64QAM	1	99	1	0	22.01
				256QAM	1	99	1	0	18.99
				QPSK	1	99	1	0	23.89
				16QAM	1	99	1	0	22.93
				64QAM	1	99	1	0	21.98
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50296	3558.8	50439	3569.9	QPSK	1	49	1	0	23.76
				16QAM	1	49	1	0	22.76
				64QAM	1	49	1	0	21.79
				256QAM	1	49	1	0	18.73
				QPSK	1	49	1	0	23.83
50896	3615.6	50640	3630	16QAM	1	49	1	0	22.84
				64QAM	1	49	1	0	21.86
				256QAM	1	49	1	0	18.85
				QPSK	1	49	1	0	23.89
				16QAM	1	49	1	0	22.89
50496	3675.6	50540	3690	64QAM	1	49	1	0	21.92
				256QAM	1	49	1	0	18.97
				QPSK	1	49	1	0	23.89
				16QAM	1	49	1	0	22.93
				64QAM	1	49	1	0	21.98
Combination 20MHz+5MHz (100RB+25RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50340	3560	50457	3571.7	QPSK	1	99	1	0	23.77
				16QAM	1	99	1	0	22.78
				64QAM	1	99	1	0	21.87
				256QAM	1	99	1	0	18.78
				QPSK	1	99	1	0	23.91
50965	3622.5	50682	3634.2	16QAM	1	99	1	0	22.87
				64QAM	1	99	1	0	21.88
				256QAM	1	99	1	0	18.78
				QPSK	1	99	1	0	23.98
				16QAM	1	99	1	0	22.89
50590	3685	50707	3695.7	64QAM	1	99	1	0	21.96
				256QAM	1	99	1	0	19.00
				QPSK	1	99	1	0	23.89
				16QAM	1	99	1	0	22.93
				64QAM	1	99	1	0	21.98
Combination 5MHz+20MHz (25RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50273	3553.3	50590	3565	QPSK	1	24	1	0	23.86
				16QAM	1	24	1	0	22.79
				64QAM	1	24	1	0	21.77
				256QAM	1	24	1	0	18.79
				QPSK	1	24	1	0	23.92
50898	3615.8	50610	3627.8	16QAM	1	24	1	0	22.82
				64QAM	1	24	1	0	21.88
				256QAM	1	24	1	0	18.89
				QPSK	1	24	1	0	23.92
				16QAM	1	24	1	0	22.90
50523	3678.3	50540	3690	64QAM	1	24	1	0	21.99
				256QAM	1	24	1	0	18.90
				QPSK	1	24	1	0	23.92
				16QAM	1	24	1	0	22.90
				64QAM	1	24	1	0	21.99

CA 48B (Ann4)									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50290	3555	50389	3564.9	QPSK	1	49	1	0	23.76
				16QAM	1	49	1	0	22.88
				64QAM	1	49	1	0	21.81
				256QAM	1	49	1	0	18.71
				QPSK	1	49	1	0	23.81
50341	3630.1	50140	3640	16QAM	1	49	1	0	22.79
				64QAM	1	49	1	0	21.95
				256QAM	1	49	1	0	18.86
				QPSK	1	49	1	0	23.80
				16QAM	1	49	1	0	22.89
50591	3685.1	50690	3695	QPSK	1	49	1	0	23.76
				16QAM	1	49	1	0	22.88
				64QAM	1	49	1	0	21.81
				256QAM	1	49	1	0	18.71
				QPSK	1	49	1	0	23.81

Receiver off_DS14_Sim-Tx

n48 (SCS 30 kHz) (Ant3)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	22.99	23.45	23.65	24
		1	53	23.18	23.49	23.55	24
		1	104	23.31	23.71	23.73	24
		50	0	23.24	23.46	23.60	24
		50	28	23.27	23.48	23.72	24
		50	56	23.23	23.60	23.68	24
		100	0	23.15	23.54	23.61	24
	DFT-s-OFDM QPSK	1	1	23.34	23.66	23.87	24
		1	53	23.03	23.41	23.63	24
		1	104	23.18	23.53	23.62	24
		50	0	23.19	23.49	23.71	24
		50	28	23.12	23.47	23.54	24
		50	56	23.13	23.48	23.70	24
		100	0	23.09	23.56	23.59	24
	DFT-s-OFDM 16QAM	1	53	23.08	23.38	23.59	24
	DFT-s-OFDM 64QAM	1	53	22.97	23.13	23.11	23.5
	DFT-s-OFDM 256QAM	1	53	21.59	21.83	21.97	22.5
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	23.26	23.64	23.74	24
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	23.24	23.62	23.84	24

n48 (SCS 30 kHz) (Ant6)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	22.19	22.51	22.71	23
		1	53	22.08	22.43	22.64	23
		1	104	22.20	22.62	22.60	23
		50	0	22.22	22.49	22.74	23
		50	28	22.19	22.53	22.71	23
		50	56	22.31	22.62	22.70	23
		100	0	22.18	22.55	22.73	23
	DFT-s-OFDM QPSK	1	1	22.53	22.66	22.75	23
		1	53	22.16	22.48	22.59	23
		1	104	22.25	22.56	22.55	23
		50	0	22.43	22.60	22.64	23
		50	28	22.10	22.56	22.56	23
		50	56	22.22	22.43	22.58	23
		100	0	22.21	22.43	22.46	23
	DFT-s-OFDM 16QAM	1	53	22.13	22.47	22.66	23
	DFT-s-OFDM 64QAM	1	53	21.92	22.21	22.16	22.5
	DFT-s-OFDM 256QAM	1	53	20.61	20.82	20.87	21.5
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	22.27	22.52	22.64	23
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	22.25	22.58	22.60	23

n48 (SCS 30 kHz) (Ant8)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		63800	64166	64532	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	20.32	20.63	20.77	21
		1	53	20.18	20.42	20.63	21
		1	104	20.25	20.62	20.60	21
		50	0	20.17	20.45	20.61	21
		50	28	20.20	20.53	20.63	21
		50	56	20.21	20.51	20.72	21
		100	0	20.18	20.46	20.73	21
	DFT-s-OFDM QPSK	1	1	20.35	20.71	20.78	21
		1	53	20.07	20.43	20.61	21
		1	104	20.32	20.52	20.66	21
		50	0	20.29	20.60	20.67	21
		50	28	20.16	20.52	20.60	21
		50	56	20.25	20.42	20.59	21
		100	0	20.12	20.55	20.57	21
	DFT-s-OFDM 16QAM	1	53	20.22	20.37	20.62	21
	DFT-s-OFDM 64QAM	1	53	19.96	20.11	20.22	20.5
	DFT-s-OFDM 256QAM	1	53	18.55	18.80	18.98	19.5
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	20.33	20.67	20.63	21
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	20.31	20.57	20.66	21

n77 (SCS 30 kHz) 3450~3550MHz (Ant3) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		20.07		21.5
		1	137		19.90		21.5
		1	271		20.07		21.5
		135	0		20.27		21.5
		135	69		20.08		21.5
		135	138		19.93		21.5
		270	0		19.97		21.5
	DFT-s-OFDM QPSK	1	1		20.28		21.5
		1	137		20.10		21.5
		1	271		19.95		21.5
		135	0		18.06		21.5
		135	69		20.16		21.5
		135	138		20.13		21.5
		270	0		20.11		21.5
	DFT-s-OFDM 16QAM	1	1		20.03		21.5
	DFT-s-OFDM 64QAM	1	1		19.64		20.5
	DFT-s-OFDM 256QAM	1	1		18.15		19.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	20.21	20.27	20.25	21.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	20.15	20.23	20.12	21.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	20.17	20.19	20.15	21.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3504.99	
60M	DFT-s-OFDM QPSK	1	1	20.11	20.16	20.19	21.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	20.13	20.25	20.17	21.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	20.17	20.21	20.17	21.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	20.12	20.20	20.11	21.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	20.15	20.22	20.22	21.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	20.09	20.23	20.19	21.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	20.14	20.12	20.13	21.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	20.09	20.16	20.14	21.5

n77 (SCS 30 kHz) 3700~3980MHz (Ant3) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	19.98	20.47	20.63	21.5
		1	137	19.95	20.16	20.72	21.5
		1	271	20.09	20.38	20.76	21.5
		135	0	20.08	20.16	20.51	21.5
		135	69	20.13	20.34	20.58	21.5
		135	138	20.16	20.23	20.53	21.5
		270	0	20.25	20.12	20.55	21.5
	DFT-s-OFDM QPSK	1	1	20.24	20.75	20.79	21.5
		1	137	20.08	20.60	20.41	21.5
		1	271	20.15	20.47	20.55	21.5
		135	0	20.19	20.51	20.59	21.5
		135	69	20.24	20.53	20.69	21.5
		135	138	20.16	20.64	20.53	21.5
		270	0	20.01	20.60	20.65	21.5
	DFT-s-OFDM 16QAM	1	1	20.06	20.31	20.09	21.5
	DFT-s-OFDM 64QAM	1	1	20.07	20.20	20.17	20.5
	DFT-s-OFDM 256QAM	1	1	18.83	18.29	18.24	19.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	20.23	20.70	20.65	21.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	20.09	20.72	20.78	21.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	20.10	20.73	20.72	21.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	20.22	20.60	20.76	21.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	20.11	20.67	20.68	21.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	20.20	20.67	20.75	21.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	20.09	20.70	20.72	21.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	20.21	20.74	20.71	21.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	20.18	20.61	20.67	21.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	20.16	20.67	20.73	21.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	20.21	20.67	20.69	21.5

n77 (SCS 30 kHz) 3450~3550MHz (Ant6) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		20.62		21.5
		1	137		20.52		21.5
		1	271		20.64		21.5
		135	0		20.93		21.5
		135	69		20.75		21.5
		135	138		20.66		21.5
		270	0		20.59		21.5
	DFT-s-OFDM QPSK	1	1		20.95		21.5
		1	137		20.80		21.5
		1	271		20.64		21.5
		135	0		20.71		21.5
		135	69		20.77		21.5
		135	138		20.71		21.5
		270	0		20.73		21.5
	DFT-s-OFDM 16QAM	1	1		20.62		21.5
	DFT-s-OFDM 64QAM	1	1		20.22		21
	DFT-s-OFDM 256QAM	1	1		19.00		20
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	20.91	20.95	20.87	21.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	20.89	20.88	20.82	21.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	20.82	20.87	20.84	21.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	20.89	20.88	20.82	21.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	20.85	20.84	20.86	21.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	20.82	20.87	20.84	21.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	20.89	20.88	20.82	21.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	20.86	20.91	20.85	21.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	20.82	20.85	20.76	21.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	20.86	20.91	20.85	21.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	20.82	20.85	20.76	21.5

n77 (SCS 30 kHz) 3700~3980MHz (Ant6) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	20.64	20.35	19.95	21.5
		1	137	20.60	20.13	19.73	21.5
		1	271	20.73	20.24	19.91	21.5
		135	0	20.29	20.11	20.05	21.5
		135	69	20.45	20.16	19.93	21.5
		135	138	20.33	20.08	20.05	21.5
		270	0	20.48	20.05	19.99	21.5
	DFT-s-OFDM QPSK	1	1	20.78	20.65	20.14	21.5
		1	137	20.47	20.48	19.99	21.5
		1	271	20.40	20.44	20.02	21.5
		135	0	20.49	20.50	20.01	21.5
		135	69	20.55	20.52	20.15	21.5
		135	138	20.43	20.48	19.99	21.5
		270	0	20.42	20.40	19.85	21.5
	DFT-s-OFDM 16QAM	1	1	20.08	20.10	19.98	21.5
	DFT-s-OFDM 64QAM	1	1	20.02	20.06	19.83	21
	DFT-s-OFDM 256QAM	1	1	18.13	18.31	18.72	20
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	20.69	20.63	20.06	21.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	20.77	20.55	20.06	21.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	20.77	20.58	20.13	21.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	20.76	20.56	20.06	21.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	20.63	20.55	20.03	21.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	20.63	20.62	20.06	21.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	20.67	20.57	20.10	21.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	20.70	20.51	20.06	21.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	20.69	20.51	20.12	21.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	20.65	20.60	20.13	21.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	20.72	20.58	20.01	21.5

n77 (SCS 30 kHz) 3450~3550MHz (Ant8) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM Pi/2 BPSK	1	1		18.86		20.5
		1	137		18.75		20.5
		1	271		18.86		20.5
		135	0		19.20		20.5
		135	69		19.05		20.5
		135	138		18.88		20.5
		270	0		18.80		20.5
	DFT-s-OFDM QPSK	1	1		19.21		20.5
		1	137		19.05		20.5
		1	271		18.84		20.5
		135	0		18.99		20.5
		135	69		19.12		20.5
		135	138		18.95		20.5
		270	0		19.05		20.5
	DFT-s-OFDM 16QAM	1	1		18.91		20.5
	DFT-s-OFDM 64QAM	1	1		18.72		19.5
	DFT-s-OFDM 256QAM	1	1		17.30		18.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	19.17	19.20	19.18	20.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	19.04	19.09	19.08	20.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	19.10	19.05	19.06	20.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3504.99	
60M	DFT-s-OFDM QPSK	1	1	19.13	19.06	19.15	20.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	19.07	19.07	19.16	20.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	19.11	19.14	19.03	20.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	19.06	19.05	19.03	20.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	19.16	19.09	19.15	20.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	19.13	19.17	19.11	20.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	19.06	19.05	19.03	20.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	19.13	19.17	19.13	20.5

n77 (SCS 30 kHz) 3700~3980MHz (Ant8) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	19.99	19.65	19.35	20.5
		1	137	20.04	19.60	19.26	20.5
		1	271	20.09	19.70	19.40	20.5
		135	0	19.55	19.54	19.47	20.5
		135	69	19.73	19.57	19.49	20.5
		135	138	19.71	19.55	19.56	20.5
		270	0	19.95	19.35	19.55	20.5
	DFT-s-OFDM QPSK	1	1	20.13	20.05	19.65	20.5
		1	137	19.83	19.83	19.44	20.5
		1	271	19.66	19.91	19.31	20.5
		135	0	19.90	19.94	19.39	20.5
		135	69	19.94	19.74	19.45	20.5
		135	138	19.99	19.83	19.48	20.5
		270	0	19.88	19.84	19.44	20.5
	DFT-s-OFDM 16QAM	1	1	19.39	19.39	19.45	20.5
	DFT-s-OFDM 64QAM	1	1	19.45	19.41	19.21	19.5
	DFT-s-OFDM 256QAM	1	1	17.55	17.56	18.08	18.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	20.09	19.98	19.52	20.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	20.06	19.90	19.59	20.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	20.06	19.91	19.50	20.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	20.03	19.98	19.62	20.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	20.04	19.96	19.51	20.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	20.08	20.01	19.61	20.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	20.00	19.92	19.64	20.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	20.01	19.97	19.57	20.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	20.10	19.93	19.59	20.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	20.06	19.97	19.54	20.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	20.02	19.91	19.59	20.5

Receiver on_DSI5_Sim-Tx

Band	GSM850(ANT2)				GSM1900(ANT1)			
Channel	128	189	251	Max. Tune-up Power (dBm)	512	661	810	Max. Tune-up Power (dBm)
Frequency (MHz)	824.2	836.4	848.8		1850.2	1880	1909.8	
GSM	32.94	32.46	32.98	33.50	30.72	30.04	30.03	31.00
GPRS 1Tx Slot	32.97	32.51	33.09	33.50	30.77	30.06	30.14	31.00
GPRS 2Tx Slot	29.96	30.56	31.06	31.50	28.64	27.90	28.02	29.50
GPRS 3Tx Slot	28.71	28.47	28.99	29.50	26.67	25.81	25.97	27.00
GPRS 4Tx Slot	27.69	27.24	27.62	28.50	24.88	24.34	24.49	25.50
EDGE 1Tx Slot	27.13	27.17	27.10	28.50	26.67	26.61	26.17	27.00
EDGE 2Tx Slot	24.65	24.35	25.63	26.00	24.98	24.85	24.91	25.50
EDGE 3Tx Slot	22.57	22.31	23.53	24.00	21.77	21.75	21.79	22.50
EDGE 4Tx Slot	21.30	21.15	22.25	23.00	20.53	20.60	20.62	21.50

Band	WCDMA II(ANT1)			WCDMA II Max. Tune-up Power (dBm)	WCDMA V(ANT2)			WCDMA V Max. Tune-up Power (dBm)
TX Channel	9262	9400	9538		4132	4182	4233	
Rx Channel	9662	9800	9938	Max. Tune-up Power (dBm)	4357	4407	4458	Max. Tune-up Power (dBm)
Frequency (MHz)	1852.4	1880	1907.6		826.4	836.4	846.6	
RMC 12.2K	24.24	24.37	24.32	25.00	24.40	24.42	24.33	25.00
HSDPA Subtest-1	23.35	23.38	23.33	24.00	23.25	23.28	23.23	24.00
HSDPA Subtest-2	23.41	23.34	23.37	24.00	23.33	23.34	23.27	24.00
HSDPA Subtest-3	22.82	22.84	22.83	23.50	22.71	22.72	22.70	23.50
HSDPA Subtest-4	22.75	22.79	22.81	23.50	22.69	22.74	22.65	23.50
DC-HSDPA Subtest-1	23.30	23.29	23.18	24.00	23.24	23.24	23.11	24.00
DC-HSDPA Subtest-2	23.28	23.27	23.36	24.00	23.19	23.30	23.15	24.00
DC-HSDPA Subtest-3	22.70	22.77	22.78	23.50	22.65	22.65	22.66	23.50
DC-HSDPA Subtest-4	22.64	22.65	22.76	23.50	22.63	22.59	22.51	23.50
HSUPA Subtest-1	23.41	23.44	23.42	24.00	23.22	23.24	23.22	24.00
HSUPA Subtest-2	22.82	22.85	22.83	23.50	22.73	22.78	22.75	23.50
HSUPA Subtest-3	23.29	23.31	23.30	24.00	23.20	23.21	23.19	24.00
HSUPA Subtest-4	23.26	23.28	23.25	24.00	23.18	23.20	23.21	24.00
HSUPA Subtest-5	23.30	23.31	23.30	24.00	23.21	23.23	23.22	24.00

Receiver on_DSS_Bm7c

LTE Band 2 (Aur1)											
BW	Modulation	RB Size		RB Offset		Line		Mid		High	
		Channel	1920	1980	2010	2070	2130	2160	2190	2220	Max. Throughput (Mbps)
20M	QPSK	Frequency (MHz)	1980	1980	1980	2010	2010	2010	2010	2010	20.0
		1	0	21.23	21.16	21.17	21.17	21.17	21.17	21.17	20.0
		1	50	21.34	21.28	21.28	21.28	21.28	21.28	21.28	20.0
		1	90	21.49	21.44	21.44	21.44	21.44	21.44	21.44	20.0
		50	0	20.23	20.27	20.22	20.22	20.22	20.22	20.22	20.0
		50	50	20.38	20.34	20.34	20.34	20.34	20.34	20.34	20.0
		50	90	20.46	20.45	20.38	20.38	20.38	20.38	20.38	20.0
		100	0	20.39	20.16	20.37	20.37	20.37	20.37	20.37	20.0
		100	50	20.46	20.47	20.46	20.46	20.46	20.46	20.46	20.0
		1	90	20.54	20.55	20.58	20.58	20.58	20.58	20.58	20.0
10M	16QAM	1	50	20.53	20.53	20.59	20.59	20.59	20.59	20.59	10.0
		50	0	19.35	19.36	19.37	19.37	19.37	19.37	19.37	10.0
		50	50	19.36	19.36	19.39	19.39	19.39	19.39	19.39	10.0
		50	90	19.35	19.41	19.40	19.40	19.40	19.40	19.40	10.0
		100	0	19.35	19.39	19.38	19.38	19.38	19.38	19.38	10.0
		1	0	19.46	19.38	19.32	19.32	19.32	19.32	19.32	10.0
		1	50	19.21	19.27	19.40	19.40	19.40	19.40	19.40	10.0
		1	90	19.43	19.37	19.30	19.30	19.30	19.30	19.30	10.0
		50	0	19.31	19.34	19.32	19.32	19.32	19.32	19.32	10.0
		50	50	19.35	19.35	19.32	19.32	19.32	19.32	19.32	10.0
5M	16QAM	100	0	19.39	19.28	19.41	19.41	19.41	19.41	19.41	5.0
		1	0	19.37	19.35	19.41	19.41	19.41	19.41	19.41	5.0
		1	50	19.39	19.38	19.34	19.34	19.34	19.34	19.34	5.0
		50	0	19.36	19.36	19.36	19.36	19.36	19.36	19.36	5.0
		50	50	19.47	19.31	19.35	19.35	19.35	19.35	19.35	5.0
		50	90	19.42	19.40	19.42	19.42	19.42	19.42	19.42	5.0
		100	0	19.40	19.40	19.40	19.40	19.40	19.40	19.40	5.0
		1	0	19.31	19.31	19.31	19.31	19.31	19.31	19.31	5.0
		1	50	19.33	19.33	19.33	19.33	19.33	19.33	19.33	5.0
		50	0	19.35	19.35	19.35	19.35	19.35	19.35	19.35	5.0
2.5M	QPSK	Channel	1980	1980	1980	2010	2010	2010	2010	2010	Max. Throughput (Mbps)
		Frequency (MHz)	1980	1980	1980	2010	2010	2010	2010	2010	2.5
		1	0	21.16	21.16	21.16	21.16	21.16	21.16	21.16	2.5
		1	37	21.16	21.16	21.16	21.16	21.16	21.16	21.16	2.5
		1	74	21.05	21.11	21.09	21.09	21.09	21.09	21.09	2.5
		50	0	20.24	20.18	20.18	20.18	20.18	20.18	20.18	2.5
		50	19	20.29	20.22	20.26	20.26	20.26	20.26	20.26	2.5
		36	50	20.31	20.24	20.26	20.26	20.26	20.26	20.26	2.5
		75	0	20.34	20.29	20.29	20.29	20.29	20.29	20.29	2.5
		7	0	20.30	20.42	20.33	20.33	20.33	20.33	20.33	2.5
1.4M	16QAM	1	0	20.46	20.46	20.39	20.39	20.39	20.39	20.39	1.4
		50	74	20.33	20.36	20.38	20.38	20.38	20.38	20.38	1.4
		36	0	19.25	19.12	19.09	19.09	19.09	19.09	19.09	1.4
		75	0	19.26	19.16	19.17	19.17	19.17	19.17	19.17	1.4
		36	36	19.34	19.22	19.26	19.26	19.26	19.26	19.26	1.4
		75	0	19.26	19.12	19.23	19.23	19.23	19.23	19.23	1.4
		1	0	19.35	19.23	19.16	19.16	19.16	19.16	19.16	1.4
		1	37	19.33	19.17	19.18	19.18	19.18	19.18	19.18	1.4
		1	74	19.35	19.26	19.18	19.18	19.18	19.18	19.18	1.4
		36	0	19.24	19.12	19.12	19.12	19.12	19.12	19.12	1.4
700K	QPSK	Channel	1980	1980	1980	2010	2010	2010	2010	2010	Max. Throughput (Mbps)
		Frequency (MHz)	1980	1980	1980	2010	2010	2010	2010	2010	0.7
		1	0	19.35	19.35	19.35	19.35	19.35	19.35	19.35	0.7
		1	37	19.33	19.17	19.18	19.18	19.18	19.18	19.18	0.7
		1	74	19.35	19.26	19.18	19.18	19.18	19.18	19.18	0.7
		36	0	19.24	19.12	19.12	19.12	19.12	19.12	19.12	0.7
		36	36	19.34	19.22	19.26	19.26	19.26	19.26	19.26	0.7
		75	0	19.26	19.12	19.23	19.23	19.23	19.23	19.23	0.7
		1	0	19.35	19.23	19.16	19.16	19.16	19.16	19.16	0.7
		1	37	19.33	19.17	19.18	19.18	19.18	19.18	19.18	0.7

LTE Band 4 (Aur1)													
BW	Modulation	RB Size		RB Offset		Line		Mid		High			
		Channel	2000	2000	2010	2070	2070	2070	2070	2070	Max. Throughput (Mbps)		
20M	QPSK	Frequency (MHz)	2000	2000	2010	2070	2070	2070	2070	2070	20.0		
		1	0	23.40	23.41	23.43	23.43	23.43	23.43	23.43	20.0		
		1	50	23.43	23.44	23.44	23.44	23.44	23.44	23.44	20.0		
		1	90	23.44	23.48	23.48	23.48	23.48	23.48	23.48	20.0		
		50	0	22.50	22.46	22.49	22.49	22.49	22.49	22.49	20.0		
		50	50	22.58	22.49	22.49	22.49	22.49	22.49	22.49	20.0		
		50	90	22.58	22.61	22.60	22.60	22.60	22.60	22.60	20.0		
		100	0	22.55	22.67	22.67	22.67	22.67	22.67	22.67	20.0		
		100	50	22.60	22.68	22.68	22.68	22.68	22.68	22.68	20.0		
		1	90	22.71	22.56	22.55	22.55	22.55	22.55	22.55	20.0		
10M	16QAM	1	50	22.68	22.61	22.68	22.68	22.68	22.68	22.68	10.0		
		50	0	21.67	21.69	21.69	21.69	21.69	21.69	21.69	10.0		
		50	50	21.58	21.51	21.49	21.49	21.49	21.49	21.49	10.0		
		50	90	21.55	21.61	21.58	21.58	21.58	21.58	21.58	10.0		
		100	0	21.54	21.47	21.50	21.50	21.50	21.50	21.50	10.0		
		1	0	21.49	21.59	21.60	21.60	21.60	21.60	21.60	10.0		
		1	50	21.52	21.55	21.65	21.65	21.65	21.65	21.65	10.0		
		1	90	21.65	21.68	21.63	21.63	21.63	21.63	21.63	10.0		
		50	0	20.44	20.61	20.64	20.64	20.64	20.64	20.64	10.0		
		50	50	20.58	20.66	20.61	20.61	20.61	20.61	20.61	10.0		
5M	16QAM	100	0	20.58	20.66	20.65	20.65	20.65	20.65	20.65	5.0		
		100	50	20.55	20.51	20.46	20.46	20.46	20.46	20.46	5.0		
		1	0	20.44	20.39	20.37	20.37	20.37	20.37	20.37	5.0		
		1	50	19.46	19.37	19.38	19.38	19.38	19.38	19.38	5.0		
		1	90	19.70	19.70	19.65	19.65	19.65	19.65	19.65	5.0		
		50	0	19.45	19.39	19.33	19.33	19.33	19.33	19.33	5.0		
		50	50	19.51	19.38	19.45	19.45	19.45	19.45	19.45	5.0		
		50	90	19.50	19.61	19.59	19.59	19.59	19.59	19.59	5.0		
		100	0	19.54	19.53	19.54	19.54	19.54	19.54	19.54	5.0		
		1	0	19.42	19.41	19.47	19.47	19.47	19.47	19.47	5.0		
2.5M	QPSK	Channel	2000	2000	2010	2070	2070	2070	2070	2070	Max. Throughput (Mbps)		
		Frequency (MHz)	2000	2000	2010	2070	2070	2070	2070	2070	2.5		
		1	0	23.30	23.34	23.33	23.33	23.33	23.33	23.33	2.5		
		1	37	23.43	23.37	23.40	23.40	23.40	23.40	23.40	2.5		
		36	0	22.58	22.48	22.46	22.46	22.46	22.46	22.46	2.5		
		36	36	22.44	22.46	22.53	22.53	22.53	22.53	22.53	2.5		
		75	0	22.51	22.61	22.61	22.61	22.61	22.61	22.61	2.5		
		7	0	22.52	22.69	22.64	22.64	22.64	22.64	22.64	2.5		
		1	0	22.68	22.76	22.49	22.49	22.49	22.49	22.49	2.5		
		1	37	22.69	22.76	22.50	22.50	22.50	22.50	22.50	2.5		
1.4M	16QAM	1	0	21.37	21.41	21.44	21.44	21.44	21.44	21.44	1.4		
		50											
840M	16QAM	36	0	20.41	20.58	20.63	20.63	20.63	20.63	20.63	21.6		
		36	36	20.60	20.62	20.67	20.67	20.67	20.67	20.67	21.6		
290M	16QAM	36	36	20.54	20.57	20.51	20.51	20.51	20.51	20.51	21.6		
		75	0	20.48	20.38	20.32	20.32	20.32	20.32	20.32	21.6		
290M	16QAM	36	36	19.46	19.35	19.38	19.38	19.38	19.38	19.38	19.5		
		75	0	19.39	19.48	19.43	19.43	19.43	19.43	19.43	19.5		
20M	QPSK	Channel	2000	2000	2010	2070	2070	2070	2070	2070	Max. Throughput (Mbps)		
		Frequency (MHz)	2000	2000	2010	2070	2070	2070	2070	2070	20.0		
		1	0	23.30	23.34	23.33	23.33	23.33	23.33	23.33	20.0		
		1	24	23.38	23.32	23.39	23.39	23.39	23.39	23.39	20.0		
		15	40	23.42	23.37	23.39	23.39	23.39	23.39	23.39	20.0		
		25	20	22.52	22.50	22.53	22.53	22.53	22.53	22.53	20.0		
		25	40	22.47	22.46	22.52	22.52	22.52	22.52	22.52	20.0		
		1	0	22.43	22.69	22.69	22.69	22.69	22.69	22.69	20.0		
		1	24	22.58	22.74	22.69	22.69	22.69	22.69	22.69	20.0		
		40	0	21.63	21.61	21.67	21.67	21.67	21.67	21.67	20.0		
10M	16QAM	25	0	21.43	21.39	21.31	21.31	21.31	21.31	21.31	10.0		
		25	40	21.46	21.41	21.37	21.37	21.37	21.37	21.37	10.0		
		25	20	21.50	21.59	21.54	21.54	21.54	21.54	21.54	10.0		
		50	0	21.60	21.36	21.48	21.48	21.48	21.48	21.48	10.0		
		1	0	21.63	21.38	21.58	21.58	21.58	21.58	21.58	10.0		
		1	24	21.42	21.42	21.58	21.58	21.58	21.58	21.58	10.0		
		50	0	21.60	21.61	21.59	21.59	21.59	21.59	21.59	10.0		
		25	12	20.50	20.53	20.42	20.42	20.42	20.42	20.42	10.0		
		25	20	20.43	20.63	20.47	20.47	20.47	20.47	20.47	10.0		
		50	0	20.44	20.37	20.33	20.33	20.33	20.33	20.33	10.0		
250M	16QAM	1	0	19.38	19.62	19.68	19.68	19.68	19.68	19.68	19.5		
		1	24	19.37	19.59	19.52	19.52	19.52	19.52	19.52	19.5		
		40	0	19.63	19.61	19.67	19.67	19.67	19.67	19.67	19.5		
		25	0	18.44	18.50	18.46	18.46	18.46	18.46	18.46	19.5		
		250	12	18.44	18.54	18.48	18.48	18.48	18.48	18.48	19.5		
		25	40	18.55	18.61	18.58	18.58	18.58	18.58	18.58	19.5		
		50	0	18.41	18.45	18.44	18.44	18.44	18.44	18.44	19.5		
		20M	QPSK	Channel	2000	2000	2010	2070	2070	2070	2070	2070	Max. Throughput (Mbps)
				Frequency (MHz)	2000	2000	2010	2070	2070	2070	2070	2070	20.0
				1	0	23.25	23.29	23.30	23.30	23.30	23.30	23.30	20.0
1	12			23.40	23.43	23.40	23.40	23.40	23.40	23.40	20.0		
24	0			23.30	23.31	23.33	23.33	23.33	23.33	23.33	20.0		
12	0			22.42	22.47	22.57	22.57	22.57	22.57	22.57	20.0		
12	6			22.48	22.45	22.50	22.50	22.50	22.50	22.50	20.0		
12	13			22.46	22.41	22.47	22.47	22.47	22.47	22.47	20.0		
1	0			22.45	22.46	22.49	22.49	22.49	22.49	22.49	20.0		
1	0			22.47	22.67	22.64	22.64	22.64	22.64	22.64	20.0		
10M	16QAM	25	0	21.67	21.61	21.67	21.67	21.67	21.67	21.67	10.0		
		1	24	22.58	22.74	22.69	22.69	22.69	22.69	22.69	10.0		
		12	0	21.34	21.39	21.31	21.31	21.31	21.31	21.31	10.0		
		12	6	21.40	21.37	21.37	21.37	21.37	21.37	21.37	10.0		
		12	13	21.41	21.54	21.51	21.51	21.51	21.51	21.51	10.0		
		25	0	21.62	21.52	21.48	21.48	21.48	21.48	21.48	10.0		
		1	24	21.48	21.46	21.48	21.48	21.48	21.48	21.48	10.0		
		1	12	21.51	21.46	21.53	21.53	21.53	21.53	21.53	10.0		
		25	0	21.60	21.61	21.59	21.59	21.59	21.59	21.59	10.0		
		12	0	20.57	20.57	20.48	20.48	20.48	20.48	20.48	10.0		
840M	16QAM	12	6	20.61	20.48	20.45	20.45	20.45	20.45	20.45	21.6		
		12	13	20.47	20.42	20.42	20.42	20.42	20.42	20.42	21.6		
		1	0	19.37	19.61	19.65	19.65	19.65	19.65	19.65	19.5		
		1	0	19.37	19.62	19.62	19.62	19.62	19.62	19.62	19.5		
		12	0	19.38	19.61	19.65	19.65	19.65	19.65	19.65	19.5		
		1	24	19.38	19.61	19.61	19.61	19.61	19.61	19.61	19.5		
		12	6	19.38	19.52	19.48	19.48	19.48	19.48	19.48	19.5		
		12	13	19.38	19.60	19.67	19.67	19.67	19.67	19.67	19.5		
		25	0	19.38	19.45	19.42	19.42	19.42	19.42	19.42	19.5		
		25	0	19.38	19.45	19.42	19.42	19.42	19.42	19.42	19.5		
20M	QPSK	Channel	2000	2000	2010	2070	2070	2070	2070	2070	Max. Throughput (Mbps)		
		Frequency (MHz)	2000	2000	2010	2070	2070	2070	2070	2070	20.0		
		1	0	23.25	23.24	23.29	23.29	23.29	23.29	23.29	20.0		
		1	14	23.40	23.39	23.34	23.34	23.34	23.34	23.34	20.0		
		8	0	22.48	22.40	22.37	22.37	22.37	22.37	22.37	20.0		
		8	7	22.53	22.57	22.50	22.50	22.50	22.50	22.50	20.0		
		15	0	22.51	22.56	22.43	22.43	22.43	22.43	22.43	20.0		
		8	7	22.52	22.54	22.52	22.52	22.52	22.52	22.52	20.0		
		1	7	22.57	22.78	22.74	22.74	22.74	22.74	22.74	20.0		
		1	14	22.55	22.68	22.54	22.54	22.54	22.54	22.54	20.0		
10M	16QAM	1	0	21.62	21.60	21.60	21.60	21.60	21.60	21.60	10.0		
		8	3	21.42	21.48	21.39	21.39	21.39	21.39	21.39	10.0		
		1	0	21.40	21.49	21.43	21.43	21.43	21.43	21.43	10.0		
		1	7	21.45	21.49	21.43	21.43	21.43	21.43	21.43	10.0		
		14	0	21.45	21.46	21.53	21.53	21.53	21.53	21.53	10.0		
		1	7	21.38	21.44	21.54	21.54	21.54	21.54	21.54	10.0		
		14	0	21.61	21.51	21.57	21.57	21.57	21.57	21.57	10.0		
		8	3	20.50	20.45	20.39	20.39	20.39	20.39	20.39	10.0		
		15	0	20.51	20.37	20.33	20.33	20.33	20.33	20.33	1		

LTE Band 7 (AnT5)											
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-avg. Power (dBm)	Channel	Max. Time-avg. Power (dBm)		
		Frequency (MHz)	Channel	2000	2000	2000					
20M	QPSK	1	0	13.86	13.89	13.70	15				
		1	50	13.71	13.70	13.68	15				
		1	99	13.58	13.73	13.61	15				
		50	0	12.78	12.79	12.74	14				
		50	25	12.74	12.74	12.74	14				
		50	50	12.71	12.74	12.72	14				
		100	0	12.78	12.84	12.78	14				
		100	50	12.84	12.88	12.84	14				
		1	50	13.08	12.98	12.78	14				
		1	99	13.07	13.01	12.81	14				
10M	16QAM	50	25	11.89	11.64	11.62	13				
		50	50	11.86	11.64	11.63	13				
		100	0	11.81	11.65	11.70	13				
		1	0	11.98	11.61	11.85	13				
		1	50	11.93	11.67	11.83	13				
		1	99	11.73	11.76	11.79	13				
		50	0	10.88	10.80	10.74	12				
		50	25	10.84	10.80	10.75	12				
		100	0	10.77	10.70	10.71	12				
		100	50	10.83	10.73	10.74	12				
5M	64QAM	1	50	8.86	8.88	8.82	10				
		1	99	8.86	8.71	8.69	10				
		50	0	8.86	8.67	8.78	10				
		50	25	8.82	8.81	8.69	10				
		50	50	8.73	8.75	8.74	10				
		100	0	8.84	8.73	8.71	10				
		20M	QPSK	Channel	2000	2000	2000	2000	Max. Time-avg. Power (dBm)	Channel	Max. Time-avg. Power (dBm)
				Frequency (MHz)	2000	2000	2000	2000	2000	2000	2000
				1	57	13.61	13.58	13.56	24.5		
				1	74	13.44	13.64	13.47	24.5		
36	0			12.68	12.70	12.60	23.5				
36	19			12.62	12.73	12.55	23.5				
36	36			12.61	12.61	12.57	23.5				
36	55			12.68	12.71	12.68	23.5				
1	0			13.05	12.88	12.76	23.5				
1	37			13.02	12.88	12.70	23.5				
10M	16QAM	1	74	12.78	12.88	12.72	23.5				
		36	0	11.89	11.59	11.67	22.5				
		36	19	11.87	11.68	11.66	22.5				
		36	36	11.67	11.63	11.65	22.5				
		75	0	11.78	11.57	11.50	22.5				
		1	57	11.67	11.65	11.77	22.5				
		1	74	11.68	11.64	11.68	22.5				
		36	0	10.75	10.68	10.64	21.5				
		36	19	10.76	10.79	10.84	21.5				
		36	36	10.75	10.85	10.99	21.5				
5M	64QAM	75	0	10.61	10.63	10.72	21.5				
		1	0	8.75	8.79	8.80	19.5				
		1	37	8.74	8.75	8.71	19.5				
		1	74	8.83	8.85	8.82	19.5				
		36	0	8.84	8.83	8.81	19.5				
		36	19	8.80	8.82	8.78	19.5				
		36	36	8.82	8.71	8.59	19.5				
		75	0	8.74	8.65	8.59	19.5				
		20M	QPSK	Channel	2000	2000	2000	2000	Max. Time-avg. Power (dBm)	Channel	Max. Time-avg. Power (dBm)
				Frequency (MHz)	2000	2000	2000	2000	2000	2000	2000
1	0			13.71	13.70	13.49	24.5				
1	24			13.52	13.41	13.41	24.5				
1	49			13.40	13.59	13.41	24.5				
25	0			12.62	12.68	12.45	23.5				
25	12			12.61	12.61	12.52	23.5				
25	25			12.48	12.51	12.49	23.5				
50	0			12.57	12.62	12.54	23.5				
50	12			12.58	12.78	12.73	23.5				
10M	16QAM	1	24	12.88	12.85	12.59	23.5				
		1	49	12.87	12.85	12.67	23.5				
		25	0	11.68	11.64	11.60	22.5				
		25	12	11.58	11.63	11.61	22.5				
		25	25	11.59	11.60	11.57	22.5				
		50	0	11.73	11.62	11.40	22.5				
		1	0	11.74	11.69	11.66	22.5				
		1	24	11.75	11.64	11.64	22.5				
		50	0	11.65	11.65	11.55	21.5				
		50	0	10.64	10.64	10.60	21.5				
5M	64QAM	50	12	10.61	10.73	10.57	21.5				
		25	25	10.73	10.59	10.60	21.5				
		50	0	10.79	10.52	10.59	21.5				
		1	24	8.58	8.73	8.63	19.5				
		1	49	8.68	8.45	8.50	19.5				
		25	0	8.80	8.81	8.58	19.5				
		25	12	8.56	8.71	8.44	19.5				
		25	25	8.57	8.51	8.58	19.5				
		50	0	8.67	8.55	8.44	19.5				
20M	QPSK	Channel	2000	2000	2000	2000	Max. Time-avg. Power (dBm)	Channel	Max. Time-avg. Power (dBm)		
		Frequency (MHz)	2000	2000	2000	2000	2000	2000	2000		
		1	12	13.51	13.41	13.30	24.5				
		1	24	13.29	13.53	13.30	24.5				
		12	0	12.52	12.58	12.34	23.5				
		12	6	12.49	12.53	12.46	23.5				
		12	13	12.31	12.50	12.36	23.5				
		25	0	12.46	12.50	12.52	23.5				
		1	0	12.62	12.63	12.59	23.5				
		1	24	12.69	12.76	12.57	23.5				
10M	16QAM	1	24	12.57	12.78	12.57	23.5				
		12	0	11.81	11.45	11.50	22.5				
		12	6	11.67	11.45	11.52	22.5				
		12	13	11.51	11.52	11.56	22.5				
		25	0	11.60	11.47	11.25	22.5				
		1	0	11.68	11.49	11.52	22.5				
		1	12	11.67	11.51	11.49	22.5				
		1	24	11.43	11.46	11.51	22.5				
		12	0	10.50	10.63	10.56	21.5				
		12	6	10.47	10.72	10.42	21.5				
5M	64QAM	12	13	10.50	10.47	10.54	21.5				
		25	0	10.70	10.46	10.47	21.5				
		1	0	8.60	8.58	8.55	19.5				
		1	12	8.56	8.65	8.61	19.5				
		1	24	8.54	8.53	8.37	19.5				
		12	0	8.76	8.45	8.42	19.5				
		12	6	8.54	8.67	8.34	19.5				
		12	13	8.48	8.42	8.45	19.5				
		25	0	8.64	8.45	8.42	19.5				
20M	QPSK	Channel	2000	2000	2000	2000	Max. Time-avg. Power (dBm)	Channel	Max. Time-avg. Power (dBm)		
		Frequency (MHz)	2000	2000	2000	2000	2000	2000	2000		
		1	0	13.71	13.70	13.49	24.5				
		1	24	13.52	13.41	13.41	24.5				
		1	49	13.40	13.59	13.41	24.5				
		25	0	12.62	12.68	12.45	23.5				
		25	12	12.61	12.61	12.52	23.5				
		25	25	12.48	12.51	12.49	23.5				
		50	0	12.57	12.62	12.54	23.5				
		50	12	12.58	12.78	12.73	23.5				

LTE Band 40 for SAR (Ant4)										
BW	MCS Index	RB Size	RB Offset	Low	Low Mid	High Mid	High	Max. Throughput (Mbps)		
		Channel	2500	2800	3000	3200	3400			
		Frequency (MHz)	2800	2800	2800	2800	2800			
CPXK		1	0	18.15	18.11	18.01	18.00			
		1	50	18.33	18.33	18.04	18.03			
		1	100	18.27	18.09	18.05	18.31			
		50	0	18.32	18.33	18.02	18.41			
		50	50	18.33	18.33	18.01	18.02			
		50	50	18.38	18.21	18.19	18.22			
		100	0	18.31	18.35	18.20	18.34			
		100	0	18.34	18.34	18.01	18.01			
		1	50	18.11	18.03	18.02	18.23			
		1	99	18.12	18.00	18.18	18.26			
10QAM		50	0	17.97	17.95	17.96	17.96			
		50	25	17.37	17.24	17.19	17.43			
		50	50	17.38	17.37	17.16	17.54			
		100	0	17.24	17.26	17.15	17.42			
		1	0	17.26	17.18	17.15	17.32			
		1	50	17.21	17.30	17.28	17.49			
		1	99	17.40	17.09	17.05	17.41			
		50	0	16.34	16.34	16.05	16.38			
		50	50	16.32	16.32	16.04	16.39			
		50	50	16.32	16.30	16.15	16.44			
20M		100	0	16.29	16.35	16.15	16.44			
		1	0	14.37	14.24	14.01	14.29			
		1	50	14.26	14.12	14.15	14.47			
		1	99	14.20	14.23	14.24	14.41			
		50	0	14.37	14.35	14.11	14.37			
		50	25	14.30	14.21	14.11	14.37			
		50	50	14.37	14.23	14.17	14.50			
		100	0	14.28	14.22	14.40	14.43			
		1	0	14.28	14.22	14.40	14.43			
		1	99	14.28	14.22	14.40	14.43			
25QAM		50	0	14.30	14.21	14.11	14.37			
		50	50	14.37	14.23	14.17	14.50			
		100	0	14.28	14.22	14.40	14.43			
		1	0	14.28	14.22	14.40	14.43			
		1	99	14.28	14.22	14.40	14.43			
		50	0	14.30	14.21	14.11	14.37			
		50	50	14.37	14.23	14.17	14.50			
		100	0	14.28	14.22	14.40	14.43			
		1	0	14.28	14.22	14.40	14.43			
		1	99	14.28	14.22	14.40	14.43			
30M		50	0	14.30	14.21	14.11	14.37			
		50	50	14.37	14.23	14.17	14.50			
		100	0	14.28	14.22	14.40	14.43			
		1	0	14.28	14.22	14.40	14.43			
		1	99	14.28	14.22	14.40	14.43			
		50	0	14.30	14.21	14.11	14.37			
		50	50	14.37	14.23	14.17	14.50			
		100	0	14.28	14.22	14.40	14.43			
		1	0	14.28	14.22	14.40	14.43			
		1	99	14.28	14.22	14.40	14.43			

LTE Band 40 (Ant4)										
BW	MCS Index	RB Size	RB Offset	Low	Low Mid	High Mid	High	Max. Throughput (Mbps)		
		Channel	2500	2800	3000	3200	3400			
		Frequency (MHz)	2800	2800	2800	2800	2800			
CPXK		1	0	18.15	18.09	18.09	18.29			
		1	50	18.33	18.18	18.43	20			
		1	99	18.27	18.18	18.31	20			
		50	0	18.32	18.11	18.41	19			
		50	50	18.33	18.21	18.42	19			
		100	0	18.31	18.38	18.34	19			
		100	0	18.34	18.41	18.39	19			
		1	50	18.11	18.04	18.23	19			
		1	99	18.12	18.11	18.26	19			
		50	0	17.97	17.96	17.43	19			
10QAM		50	25	17.37	17.21	17.43	18			
		50	50	17.38	17.24	17.54	18			
		100	0	17.24	17.22	17.43	18			
		1	0	17.26	17.14	17.32	18			
		1	50	17.21	17.19	17.42	18			
		1	99	17.40	17.05	17.41	18			
		50	0	16.34	16.11	16.38	17			
		50	50	16.32	16.26	16.44	17			
		100	0	16.29	16.19	16.44	17			
		100	0	14.31	14.22	14.29	16			
20M		1	0	14.30	14.22	14.47	15			
		1	99	14.20	14.23	14.41	15			
		50	0	14.37	14.33	14.37	15			
		50	25	14.30	14.27	14.37	15			
		50	50	14.37	14.26	14.50	15			
		100	0	14.28	14.22	14.43	15			
		1	0	14.28	14.22	14.43	15			
		1	99	14.28	14.22	14.43	15			
		50	0	14.30	14.21	14.37	15			
		50	50	14.37	14.26	14.50	15			
25QAM		100	0	14.28	14.22	14.43	15			
		1	0	14.28	14.22	14.43	15			
		1	99	14.28	14.22	14.43	15			
		50	0	14.30	14.21	14.37	15			
		50	50	14.37	14.26	14.50	15			
		100	0	14.28	14.22	14.43	15			
		1	0	14.28	14.22	14.43	15			
		1	99	14.28	14.22	14.43	15			
		50	0	14.30	14.21	14.37	15			
		50	50	14.37	14.26	14.50	15			
30M		100	0	14.28	14.22	14.43	15			
		1	0	14.28	14.22	14.43	15			
		1	99	14.28	14.22	14.43	15			
		50	0	14.30	14.21	14.37	15			
		50	50	14.37	14.26	14.50	15			
		100	0	14.28	14.22	14.43	15			
		1	0	14.28	14.22	14.43	15			
		1	99	14.28	14.22	14.43	15			
		50	0	14.30	14.21	14.37	15			
		50	50	14.37	14.26	14.50	15			

LTE Band 60 (Ant1)										
BW	Modulation	RB Size	RB Offset	Low	Low Mid	High	Max. Throughput (Mbps)			
		Channel	12000	12000	12000	12000	12000	12000	12000	12000
CPXK		1	0	23.40	23.38	23.38	24.5			
		1	50	23.44	23.41	23.38	24.5			
		1	99	23.40	23.40	23.40	24.5			
		50	0	23.41	23.40	23.37	23.5			
		50	25	23.40	23.39	23.34	23.5			
		50	50	23.41	23.40	23.35	23.5			
		100	0	23.39	23.39	23.34	23.5			
		1	0	23.38	23.38	23.33	23.5			
		1	99	23.38	23.38	23.33	23.5			
		50	25	23.41	23.41	23.36	23.5			
100MHz		50	25	23.41	23.40	23.35	23.5			
		50	50	23.41	23.40	23.35	23.5			
		1	0	23.37	23.37	23.32	23.5			
		1	50	23.41	23.41	23.36	23.5			
		1	99	23.41	23.41	23.36	23.5			
		50	25	23.41	23.40	23.35	23.5			
		50	50	23.41	23.40	23.35	23.5			
		100	0	23.37	23.37	23.32	23.5			
		1	50	23.41	23.41	23.36	23.5			
		1	99	23.41	23.41	23.36	23.5			
50MHz		50	0	23.42	23.40	23.35	23.5			
		50	25	23.40	23.39	23.34	23.5			
		50	50	23.41	23.40	23.35	23.5			
		100	0	23.37	23.37	23.32	23.5			
		1	0	23.37	23.37	23.32	23.5			
		1	50	23.41	23.41	23.36	23.5			
		1	99	23.40	23.39	23.34	23.5			
		50	0	23.40	23.39	23.34	23.5			
		50	25	23.40	23.39	23.34	23.5			
		50	50	23.41	23.40	23.35	23.5			
250MHz		50	0	23.40	23.38	23.33	23.5			
		50	25	23.40	23.39	23.34	23.5			
		50	50	23.40	23.39	23.34	23.5			
		100	0	23.37	23.37	23.32	23.5			
		1	0	23.37	23.37	23.32	23.5			
		1	50	23.41	23.41	23.36	23.5			
		1	99	23.40	23.39	23.34	23.5			
		50	0	23.40	23.39	23.34	23.5			
		50	25	23.40	23.39	23.34	23.5			
		50	50	23.40	23.39	23.34	23.5			
BW		Channel	12000	12000	12000	12000	12000	12000	12000	12000
		Frequency (MHz)	12000	12000	12000	12000	12000	12000	12000	12000
		1	0	23.31	23.37	23.39	23.45			
		1	24	23.36	23.39	23.41	23.45			
		1	49	23.48	23.42	23.39	23.35			
		5	0	23.39	23.41	23.43	23.45			
		5	12	23.39	23.41	23.43	23.45			
		5	25	23.31	23.48	23.44	23.45			
		5	49	23.47	23.42	23.39	23.35			
		1	0	23.42	23.40	23.39	23.35			
100MHz		1	24	23.40	23.39	23.35	23.5			
		5	0	23.41	23.40	23.35	23.5			
		5	12	23.41	23.40	23.35	23.5			
		5	25	23.40	23.41	23.36	23.5			
		5	49	23.42	23.41	23.36	23.5			
		1	0	23.41	23.40	23.35	23.5			
		1	24	23.41	23.40	23.35	23.5			
		1	49	23.42	23.41	23.36	23.5			
		5	0	23.42	23.41	23.36	23.5			
		5	12	23.41	23.40	23.35	23.5			
50MHz		5	0	23.40	23.39	23.34	23.5			
		5	12	23.40	23.39	23.34	23.5			
		5	25	23.40	23.39	23.34	23.5			
		5	49	23.41	23.40	23.35	23.5			
		1	0	23.38	23.38	23.33	23.5			
		1	24	23.40	23.39	23.34	23.5			
		1	49	23.41	23.40	23.35	23.5			
		5	0	23.41	23.40	23.35	23.5			
		5	12	23.40	23.39	23.34	23.5			
		5	25	23.40	23.39	23.34	23.5			
250MHz		5	0	23.40	23.39	23.34	23.5			
		5	12	23.40	23.39	23.34	23.5			
		5	25	23.40	23.39	23.34	23.5			
		5	49	23.41	23.40	23.35	23.5			
		1	0	23.38	23.38	23.33	23.5			
		1	24	23.40	23.39	23.34	23.5			
		1	49	23.41	23.40	23.35	23.5			
		5	0	23.41	23.40	23.35	23.5			
		5	12	23.40	23.39	23.34	23.5			
		5	25	23.40	23.39	23.34	23.5			
BW		Channel	12000	12000	12000	12000	12000	12000	12000	12000
		Frequency (MHz)	12000	12000	12000	12000	12000	12000	12000	12000
		1	0	23.36	23.39	23.41	23.45			
		1	24	23.42	23.39	23.37	23.45			
		1	49	23.48	23.42	23.39	23.45			
		5	0	23.39	23.41	23.43	23.45			
		5	12	23.39	23.41	23.43	23.45			
		5	25	23.31	23.48	23.44	23.45			
		5	49	23.47	23.42	23.39	23.45			
		1	0	23.42	23.40	23.39	23.45			
100MHz		1	24	23.40	23.39	23.35	23.5			
		5	0	23.41	23.40	23.35	23.5			
		5	12	23.41	23.40	23.35	23.5			
		5	25	23.40	23.41	23.36	23.5			
		5	49	23.42	23.41	23.36	23.5			
		1	0	23.41	23.40	23.35	23.5			
		1	24	23.41	23.40	23.35	23.5			
		1	49	23.42	23.41	23.36	23.5			
		5	0	23.42	23.41	23.36	23.5			
		5	12	23.41	23.40	23.35	23.5			
50MHz		5	0	23.40	23.39	23.34	23.5			
		5	12	23.40	23.39	23.34	23.5			
		5	25	23.40	23.39	23.34	23.5			
		5	49	23.41	23.40	23.35	23.5			
		1	0	23.38	23.38	23.33	23.5			
		1	24	23.40	23.39	23.34	23.5			
		1	49	23.41	23.40	23.35	23.5			
		5	0	23.41	23.40	23.35	23.5			
		5	12	23.40	23.39	23.34	23.5			
		5	25	23.40	23.39	23.34	23.5			
250MHz		5	0	23.40	23.39	23.34	23.5			
		5	12	23.40	23.39	23.34	23.5			
		5	25	23.40	23.39	23.34	23.5			
		5	49	23.41	23.40	23.35	23.5			
		1	0	23.38	23.38	23.33	23.5			
		1	24	23.40	23.39	23.34	23.5			
		1	49	23.41	23.40	23.35	23.5			
		5	0	23.41	23.40	23.35	23.5			
		5	12	23.40	23.39	23.34	23.5			
		5	25	23.40	23.39	23.34	23.5			
BW		Channel	12000	12000	12000	12000	12000	12000	12000	12000
		Frequency (MHz)	12000	12000	12000	12000	12000	12000	12000	12000
		1	0	23.38	23.39	23.41	23.45			
		1	24	23.42	23.39	23.37	23.45			
		1	49	23.48	23.42	23.39	23.45			
		5	0	23.39	23.41	23.43	23.45			
		5	12	23.39	23.41	23.43	23.45			
		5	25	23.31	23.48	23.44	23.45			
		5	49	23.47	23.42	23.39	23.45			
		1	0	23.42	23.40	23.39	23.45			
100MHz		1	24	23.40	23.39	23.35	23.5			
		5	0	23.41	23.40	23.35	23.5			
		5	12	23.41	23.40	23.35	23.5			
		5	25	23.40	23.41	23.36	23.5			
		5	49	23.42	23.41	23.36	23.5			
		1	0	23.41	23.40	23.35	23.5			
		1	24	23.41	23.40	23.35	23.5			
		1	49	23.42	23.41	23.36	23.5			
		5	0	23.42	23.41	23.36	23.5			
		5	12	23.41	23.40	23.35	23.5			
50MHz		5	0	23.40	23.39	23.34	23.5			
		5	12	23.40	23.39	23.34	23.5			
		5	25	23.40	23.39	23.34	23.5			
		5	49	23.41	23.40	23.35	23.5			
		1	0	23.38	23.38	23.33	23.5			
		1	24	23.40	23.39	23.34	23.5			
		1	49	23.41	23.40	23.35	23.5			
		5	0	23.41	23.40	23.35	23.5			
		5	12	23.40	23.39	23.34	23.5			
		5	25	23.40	23.39	23.34	23.5			
250MHz		5	0	23.40	23.39	23.34	23.5			
		5	12	23.40	23.39	23.34	23.5			
		5	25	23.40	23.39	23.34	23.5			
		5	49	23.41	23.40	23.35	23.5			
		1	0	23.38	23.38	23.33	23.5			
		1	24	23.40	23.39	23.34	23.5			
		1	49	23.41	23.40	23.35	23.5			
		5	0	23.41	23.40	23.35	23.5			
		5	12	23.40	23.39	23.34	23.5			
		5	25	23.40	23.39	23.34	23.5			
BW		Channel	12000	12000	12000	12000	12000	12000	12000	12000
		Frequency (MHz)	12000	12000	12000	12000	12000	12000	12000	12000
		1	0	23.36	23.39	23.41	23.45			
		1	24	23.42	23.39	23.37	23.45			
		1	49	23.48	23.42	23.39	23.45			
		5	0	23.39	23.41	23.43	23.45			
		5	12	23.39	23.41	23.43	23.45			
		5	25	23.31	23.48	23.44	23.45			
		5	49	23.47	23.42	23.39	23.45			
		1	0	23.42	23.40	23.39	23.45			
100MHz		1	24	23.40	23.39	23.35	23.5			
		5	0	23.41	23.40	23.35	23.5			
		5	12	23.41	23.40	23.35	23.5			
		5	25	23.40	23.41	23.36	23.5			
		5	49	23.42	23.41	23.36	23.5			
		1	0	23.41	23.40	23.35	23.5			
		1	24	23.41	23.40	23.35	23.5			
		1	49	23.42	23.41	23.36	23.5			
		5	0	23.42	23.41	23.36	23.5			
		5	12	23.41	23.40	23.35	23.5			
50MHz		5	0	23.40	23.39	23.34	23.5			
		5	12	23.40	23.39	23.34	23.5			
		5	25	23.40	23.39	23.34	23.5			
		5	49	23.41	23.40	23.35	23.5			

Receiver_on_DSIS_Sim-Tx

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pv2 BPSK	1	1	23.44	23.41	23.47	24.5
		1	53	23.36	23.37	23.41	24.5
		1	104	23.38	23.31	23.35	24.5
		50	0	23.47	23.54	23.53	24.5
		50	28	23.46	23.46	23.55	24.5
		50	56	23.60	23.48	23.53	24.5
		100	0	23.48	23.54	23.49	24.5
	DFT-s-OFDM QPSK	1	1	23.61	23.55	23.57	24.5
		1	53	23.46	23.36	23.43	24.5
		1	104	23.11	23.47	23.32	24.5
		50	0	22.98	23.01	22.93	23.5
		50	28	23.58	23.50	23.44	24.5
		50	56	23.04	22.97	22.58	23.5
		100	0	22.98	22.95	22.93	23.5
	DFT-s-OFDM 16QAM	1	1	22.93	22.93	23.19	23.5
	DFT-s-OFDM 64QAM	1	1	21.63	21.65	21.06	22.5
	DFT-s-OFDM 256QAM	1	1	18.99	19.04	19.06	20.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	23.58	23.47	23.48	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.55	23.45	23.44	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	23.57	23.41	23.55	24.5

n2 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pv2 BPSK	1	1	23.72	23.71	23.64	24.5
		1	53	23.62	23.61	23.61	24.5
		1	104	23.54	23.67	23.66	24.5
		50	0	23.17	23.13	23.07	24.5
		50	28	23.66	23.64	23.61	24.5
		50	56	23.06	23.08	23.11	24.5
		100	0	23.08	23.16	23.12	24.5
	DFT-s-OFDM QPSK	1	1	23.79	23.76	23.75	24.5
		1	53	23.71	23.64	23.72	24.5
		1	104	23.64	23.65	23.40	24.5
		50	0	22.69	22.64	22.64	23.5
		50	28	23.71	23.69	23.68	24.5
		50	56	22.67	22.54	22.66	23.5
		100	0	22.67	22.65	22.61	23.5
	DFT-s-OFDM 16QAM	1	1	22.81	22.85	22.76	23.5
	DFT-s-OFDM 64QAM	1	1	21.37	21.38	21.28	22.5
	DFT-s-OFDM 256QAM	1	1	19.39	19.36	19.31	20.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	23.75	23.72	23.70	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.73	23.73	23.71	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	23.71	23.74	23.72	24.5

n5 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM Pv2 BPSK	1	1	23.42	23.38	23.46	24.5
		1	53	23.48	23.51	23.45	24.5
		1	104	23.40	23.53	23.41	24.5
		50	0	23.51	23.58	23.52	24.5
		50	28	23.43	23.55	23.52	24.5
		50	56	23.50	23.53	23.56	24.5
		100	0	23.47	23.56	23.57	24.5
	DFT-s-OFDM QPSK	1	1	23.57	23.64	23.55	24.5
		1	53	23.38	23.42	23.48	24.5
		1	104	23.41	23.43	23.42	24.5
		50	0	23.52	23.58	23.50	24.5
		50	28	23.46	23.59	23.49	24.5
		50	56	23.53	23.61	23.51	24.5
		100	0	23.50	23.57	23.54	24.5
	DFT-s-OFDM 16QAM	1	1	23.32	23.43	23.39	24.5
	DFT-s-OFDM 64QAM	1	1	21.68	22.15	22.04	22.5
	DFT-s-OFDM 256QAM	1	1	19.98	19.53	19.54	20.5
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	1	1	23.49	23.62	23.53	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.50	23.55	23.44	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.43	23.51	23.52	24.5

n48 (SCS 30 kHz) (Ant4)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		636000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pv2 BPSK	1	1	16.72	17.09	17.24	17.5
		1	53	16.74	17.12	17.29	17.5
		1	104	16.94	17.32	17.27	17.5
		50	0	16.86	17.20	17.33	17.5
		50	28	16.76	17.21	17.27	17.5
		50	56	16.83	17.25	17.32	17.5
		100	0	16.77	17.14	17.26	17.5
	DFT-s-OFDM QPSK	1	1	16.90	17.36	17.37	17.5
		1	53	16.67	17.12	17.23	17.5
		1	104	16.84	17.20	17.26	17.5
		50	0	16.89	17.14	17.32	17.5
		50	28	16.79	17.09	17.27	17.5
		50	56	16.83	17.11	17.32	17.5
		100	0	16.72	17.13	17.14	17.5
	DFT-s-OFDM 16QAM	1	53	16.73	17.00	17.17	17.5
	DFT-s-OFDM 64QAM	1	53	16.56	16.72	16.83	17
	DFT-s-OFDM 256QAM	1	53	15.20	15.43	15.49	16
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	16.83	17.24	17.25	17.5
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	16.85	17.33	17.23	17.5

n66 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM P/2 BPSK	1	1	23.43	23.44	23.41	24.5
		1	108	23.47	23.36	23.37	24.5
		1	214	23.42	23.29	23.24	24.5
		108	0	23.21	22.80	22.57	24
		108	54	23.01	22.88	23.51	24.5
		108	108	23.12	22.47	22.41	24
		216	0	23.09	22.50	22.50	24
	DFT-s-OFDM QPSK	1	1	23.51	23.54	23.33	24.5
		1	108	23.47	23.34	23.27	24.5
		1	214	23.39	23.31	23.18	24.5
		108	0	22.58	22.57	22.43	23.5
		108	54	23.25	23.49	23.30	24.5
		108	108	22.67	22.57	22.30	23.5
		216	0	22.51	22.56	22.35	23.5
	DFT-s-OFDM 16QAM	1	1	22.45	22.07	22.63	23.5
	DFT-s-OFDM 64QAM	1	1	21.18	20.94	20.53	22
	DFT-s-OFDM 256QAM	1	1	18.45	18.86	18.43	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.21	23.36	23.46	24.5
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	23.37	23.24	23.15	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.29	23.41	23.35	24.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	23.18	23.27	23.17	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.09	23.22	23.31	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.23	23.41	23.36	24.5

n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		15.21		16.5
		1	137		15.14		16.5
		1	271		15.05		16.5
		135	0		15.18		16.5
		135	69		15.23		16.5
		135	138		15.06		16.5
		270	0		15.11		16.5
	DFT-s-OFDM QPSK	1	1		15.27		16.5
		1	137		15.05		16.5
		1	271		15.13		16.5
		135	0		15.19		16.5
		135	69		15.10		16.5
		135	138		15.26		16.5
		270	0		15.13		16.5
	DFT-s-OFDM 16QAM	1	1		15.25		16.5
	DFT-s-OFDM 64QAM	1	1		14.80		15.5
	DFT-s-OFDM 256QAM	1	1		13.26		14
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	15.19	15.26	15.21	16.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	15.13	15.17	15.10	16.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	15.18	15.15	15.09	16.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	15.17	15.20	15.16	16.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	15.13	15.14	15.15	16.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	15.17	15.20	15.12	16.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	15.14	15.16	15.07	16.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	15.15	15.25	15.13	16.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	15.17	15.18	15.19	16.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	15.08	15.11	15.06	16.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	15.08	15.15	15.19	16.5

n77 (SCS 30 kHz)_3700–3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	15.38	15.82	16.00	16.5
		1	137	15.42	15.37	15.87	16.5
		1	271	15.39	15.62	16.03	16.5
		135	0	15.33	15.45	15.86	16.5
		135	69	15.48	15.55	15.89	16.5
		135	138	15.44	15.61	15.95	16.5
		270	0	15.41	15.52	15.83	16.5
	DFT-s-OFDM QPSK	1	1	15.52	15.99	16.11	16.5
		1	137	15.41	15.88	15.77	16.5
		1	271	15.45	15.94	15.88	16.5
		135	0	15.37	15.84	15.92	16.5
		135	69	15.41	15.82	15.76	16.5
		135	138	15.44	15.87	16.00	16.5
		270	0	15.41	15.86	15.89	16.5
	DFT-s-OFDM 16QAM	1	1	15.43	15.53	15.55	16.5
	DFT-s-OFDM 64QAM	1	1	15.39	15.32	15.37	15.5
	DFT-s-OFDM 256QAM	1	1	13.97	13.60	13.60	14
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	15.51	15.91	16.05	16.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	15.40	15.87	16.04	16.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	15.44	15.83	16.08	16.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	15.38	15.85	16.04	16.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	15.47	15.95	16.02	16.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	15.44	15.90	16.00	16.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	15.49	15.83	16.04	16.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	15.39	15.89	16.03	16.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	15.50	15.86	16.10	16.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	15.41	15.93	15.97	16.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	15.39	15.84	16.03	16.5

PC2_n77 (SCS 30 kHz)_3450–3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		18.18		19.5
		1	137		17.95		19.5
		1	271		18.13		19.5
		135	0		17.57		19
		135	69		18.15		19.5
		135	138		17.64		19
		270	0		17.64		19
	DFT-s-OFDM QPSK	1	1		18.23		19.5
		1	137		17.90		19.5
		1	271		18.08		19.5
		135	0		17.17		18.5
		135	69		18.06		19.5
		135	138		17.11		18.5
		270	0		17.19		18.5
	DFT-s-OFDM 16QAM	1	1		17.11		18.5
	DFT-s-OFDM 64QAM	1	1		15.65		17
	DFT-s-OFDM 256QAM	1	1		13.53		15
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	18.15	18.21	18.19	19.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	18.08	18.18	18.14	19.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	18.02	18.11	18.15	19.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	18.01	18.15	18.12	19.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	18.10	18.13	18.04	19.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	18.03	18.18	18.17	19.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	18.01	18.18	18.08	19.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	18.03	18.19	18.15	19.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	18.07	18.14	18.06	19.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	18.14	18.20	18.11	19.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	18.14	18.16	18.17	19.5

PC2_n77 (SCS 30 kHz)_3700-3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	18.55	18.59	18.88	19.5
		1	137	18.35	18.48	18.96	19.5
		1	271	18.54	18.66	18.90	19.5
		135	0	17.99	17.91	18.28	19
		135	69	18.44	18.42	18.71	19.5
		135	138	17.99	18.08	18.48	19
		270	0	18.05	18.09	18.40	19
	DFT-s-OFDM QPSK	1	1	18.60	18.74	19.19	19.5
		1	137	18.38	18.51	18.93	19.5
		1	271	18.54	18.69	19.13	19.5
		135	0	17.52	17.64	17.82	18.5
		135	69	18.41	18.45	18.97	19.5
		135	138	17.59	17.86	18.06	18.5
		270	0	17.51	17.55	17.89	18.5
	DFT-s-OFDM 16QAM	1	1	17.39	17.66	17.55	18.5
	DFT-s-OFDM 64QAM	1	1	15.58	15.58	15.86	17
	DFT-s-OFDM 256QAM	1	1	13.32	13.44	13.71	15
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	18.48	18.65	19.18	19.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	18.59	18.66	19.04	19.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	18.49	18.68	19.10	19.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	18.55	18.59	19.18	19.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	18.59	18.66	19.11	19.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	18.45	18.64	19.13	19.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	18.47	18.72	19.09	19.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	18.50	18.64	19.07	19.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	18.58	18.64	19.17	19.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	18.49	18.69	19.09	19.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	18.51	18.71	19.17	19.5

Receiver on_D88_Sim1x

CA_56 (Ant2)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Combination 10MHz+10MHz (50RB+50RB)					Measured Power (dBm)	Max. Turn-up Power
				Modulation	RB Size	RB offset	RB Size	RB offset		
20450	829	20549	838.9	QPSK	1	49	1	0	24.87	25.5
				16QAM	1	49	1	0	23.97	24.5
				64QAM	1	49	1	0	21.35	23.5
				256QAM	1	49	1	0	19.93	20.5
				QPSK	1	49	1	0	24.81	25.5
20476	831.6	20575	841.5	16QAM	1	49	1	0	23.02	24.5
				64QAM	1	49	1	0	21.32	23.5
				256QAM	1	49	1	0	19.99	20.5
				QPSK	1	49	1	0	24.74	25.5
				16QAM	1	49	1	0	23.91	24.5
20501	834.1	20600	844	64QAM	1	49	1	0	21.37	23.5
				256QAM	1	49	1	0	19.96	20.5
				QPSK	1	49	1	0	24.87	25.5
				16QAM	1	49	1	0	23.97	24.5
				64QAM	1	49	1	0	21.37	23.5
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
20450	829	20522	836.2	QPSK	1	49	1	0	24.79	25.5
				16QAM	1	49	1	0	23.91	24.5
				64QAM	1	49	1	0	21.21	23.5
				256QAM	1	49	1	0	19.81	20.5
				QPSK	1	49	1	0	24.82	25.5
20500	834	20572	841.2	16QAM	1	49	1	0	22.98	24.5
				64QAM	1	49	1	0	21.26	23.5
				256QAM	1	49	1	0	19.90	20.5
				QPSK	1	49	1	0	24.65	25.5
				16QAM	1	49	1	0	23.85	24.5
20550	839	20622	846.2	64QAM	1	49	1	0	21.28	23.5
				256QAM	1	49	1	0	19.88	20.5
				QPSK	1	49	1	0	24.89	25.5
				16QAM	1	49	1	0	23.95	24.5
				64QAM	1	49	1	0	21.26	23.5
Combination 5MHz+10MHz (25RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
20426	826.9	20500	834	QPSK	1	24	1	0	24.77	25.5
				16QAM	1	24	1	0	23.93	24.5
				64QAM	1	24	1	0	21.19	23.5
				256QAM	1	24	1	0	19.79	20.5
				QPSK	1	24	1	0	24.05	25.5
20478	831.8	20550	839	16QAM	1	24	1	0	22.94	24.5
				64QAM	1	24	1	0	21.11	23.5
				256QAM	1	24	1	0	19.89	20.5
				QPSK	1	24	1	0	24.00	25.5
				16QAM	1	24	1	0	23.79	24.5
20528	836.8	20600	844	64QAM	1	24	1	0	21.25	23.5
				256QAM	1	24	1	0	19.89	20.5
				QPSK	1	24	1	0	24.80	25.5
				16QAM	1	24	1	0	23.97	24.5
				64QAM	1	24	1	0	21.20	23.5
Combination 3MHz+5MHz (25RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
20426	826.5	20455	829.5	QPSK	1	14	1	0	24.80	25.5
				16QAM	1	14	1	0	23.89	24.5
				64QAM	1	14	1	0	21.15	23.5
				256QAM	1	14	1	0	19.87	20.5
				QPSK	1	14	1	0	24.58	25.5
20501	834.1	20540	838	16QAM	1	14	1	0	22.88	24.5
				64QAM	1	14	1	0	21.01	23.5
				256QAM	1	14	1	0	19.82	20.5
				QPSK	1	14	1	0	24.57	25.5
				16QAM	1	14	1	0	23.73	24.5
20586	842.6	20525	846.5	64QAM	1	14	1	0	21.25	23.5
				256QAM	1	14	1	0	19.86	20.5
				QPSK	1	14	1	0	24.89	25.5
				16QAM	1	14	1	0	23.95	24.5
				64QAM	1	14	1	0	21.26	23.5

CA_66B (Ant1)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Combination 10MHz+10MHz (50RB+50RB)						Measured Power (dBm)	Max. Turn-up Power
				Modulation	RB Size	RB offset	RB Size	RB offset	RB offset		
132022	1715	132121	1724.9	QPSK	1	49	1	0	0	23.86	24.5
				16QAM	1	49	1	0	0	23.36	23.5
				64QAM	1	49	1	0	0	21.73	22.5
				256QAM	1	49	1	0	0	19.11	19.5
				QPSK	1	49	1	0	0	23.92	24.5
132373	1750.1	132472	1760	16QAM	1	49	1	0	0	23.25	23.5
				64QAM	1	49	1	0	0	21.69	22.5
				256QAM	1	49	1	0	0	19.54	19.5
				QPSK	1	49	1	0	0	23.78	24.5
				16QAM	1	49	1	0	0	23.21	23.5
132523	1765.1	132622	1775	64QAM	1	49	1	0	0	21.63	22.5
				256QAM	1	49	1	0	0	19.12	19.5
				QPSK	1	49	1	0	0	23.92	24.5
				16QAM	1	49	1	0	0	23.75	24.5
				64QAM	1	49	1	0	0	21.58	22.5
132684	1717.5	132146	1726.8	QPSK	1	74	1	0	0	23.75	24.5
				16QAM	1	74	1	0	0	23.15	23.5
				64QAM	1	74	1	0	0	21.58	22.5
				256QAM	1	74	1	0	0	19.91	19.5
				QPSK	1	74	1	0	0	23.71	24.5
132988	1752.6	132491	1761.9	16QAM	1	74	1	0	0	23.05	23.5
				64QAM	1	74	1	0	0	21.50	22.5
				256QAM	1	74	1	0	0	19.81	19.5
				QPSK	1	74	1	0	0	23.60	24.5
				16QAM	1	74	1	0	0	23.10	23.5
132549	1757.7	132642	1777	64QAM	1	74	1	0	0	21.44	22.5
				256QAM	1	74	1	0	0	19.03	19.5
				QPSK	1	74	1	0	0	23.80	24.5
				16QAM	1	74	1	0	0	23.15	23.5
				64QAM	1	74	1	0	0	21.42	22.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	
132002	1713	132095	1722.3	QPSK	1	24	1	0	0	23.69	24.5
				16QAM	1	24	1	0	0	23.14	23.5
				64QAM	1	24	1	0	0	21.91	22.5
				256QAM	1	24	1	0	0	19.91	19.5
				QPSK	1	24	1	0	0	23.78	24.5
132053	1748.1	132446	1757.4	16QAM	1	24	1	0	0	23.02	24.5
				64QAM	1	24	1	0	0	21.45	22.5
				256QAM	1	24	1	0	0	19.74	19.5
				QPSK	1	24	1	0	0	23.62	24.5
				16QAM	1	24	1	0	0	23.10	23.5
132054	1762.2	132697	1772.5	64QAM	1	24	1	0	0	21.38	22.5
				256QAM	1	24	1	0	0	19.02	19.5
				QPSK	1	49	1	0	0	23.63	24.5
				16QAM	1	49	1	0	0	23.17	23.5
				256QAM	1	49	1	0	0	19.89	19.5
132301	1752.5	132469	1761.7	16QAM	1	49	1	0	0	23.04	24.5
				64QAM	1	49	1	0	0	21.53	23.5
				256QAM	1	49	1	0	0	19.81	19.5
				QPSK	1	49	1	0	0	23.79	24.5
				16QAM	1	49	1	0	0	23.23	23.5
132505	1761.8	132622	1772.1	16QAM	1	49	1	0	0	23.08	23.5
				64QAM	1	49	1	0	0	21.46	22.5
				256QAM	1	49	1	0	0	19.07	19.5
				QPSK	1	49	1	0	0	23.60	24.5
				16QAM	1	49	1	0	0	23.06	23.5
132549	1757.7	132642	1777	64QAM	1	49	1	0	0	21.42	22.5
				256QAM	1	49	1	0	0	19.03	19.5
				QPSK	1	49	1	0	0	23.80	24.5
				16QAM	1	49	1	0	0	23.15	23.5
				64QAM	1	49	1	0	0	21.42	22.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	
132000	1712.8	132072	1720	QPSK	1	24	1	0	0	23.65	24.5
				16QAM	1	24	1	0	0	23.11	23.5
				64QAM	1	24	1	0	0	21.52	22.5
				256QAM	1	24	1	0	0	19.03	19.5
				QPSK	1	24	1	0	0	23.74	24.5
132373	1750.3	132447	1757.5	16QAM	1	24	1	0	0	23.05	24.5
				64QAM	1	24	1	0	0	21.54	22.5
				256QAM	1	24	1	0	0	19.79	19.5
				QPSK	1	24	1	0	0	23.73	24.5
				16QAM	1	24	1	0	0	23.05	23.5
132505	1761.8	132622	1772.1	64QAM	1	24	1	0	0	21.46	22.5
				256QAM	1	24	1	0	0	19.07	19.5
				QPSK	1	24	1	0	0	23.60	24.5
				16QAM	1	24	1	0	0	23.06	23.5
				64QAM	1	24	1	0	0	21.42	22.5
132549	1757.7	132642	1777.5	QPSK	1	24	1	0	0	23.80	24.5
				16QAM	1	24	1	0	0	23.15	23.5
				64QAM	1	24	1	0	0	21.44	22.5
				256QAM	1	24	1	0	0	19.03	19.5
				QPSK	1	24	1	0	0	23.79	24.5
132988	1752.6	132469	1761.7	16QAM	1	24	1	0	0	23.04	24.5
				64QAM	1	24	1	0	0	21.53	23.5
				256QAM	1	24	1	0	0	19.81	19.5
				QPSK	1	24	1	0	0	23.74	24.5
				16QAM	1	24	1	0	0	23.21	23.5
132599	1772.7	132647	1777.5	64QAM	1	24	1	0	0	21.42	22.5
				256QAM	1	24	1	0	0	19.03	19.5
				QPSK	1	24	1	0	0	23.80	24.5
				16QAM	1	24	1	0	0	23.15	23.5
				64QAM	1	24	1	0	0	21.42	22.5

CA 48C (Ann4)									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50340	3560	50538	3579.8	QPSK	1	99	1	0	19.39
				16QAM	1	99	1	0	18.53
				64QAM	1	99	1	0	17.43
				256QAM	1	99	1	0	14.48
50891	3615.1	50889	3634.9	QPSK	1	99	1	0	19.37
				16QAM	1	99	1	0	18.54
				64QAM	1	99	1	0	17.53
				256QAM	1	99	1	0	14.42
50442	3670.2	50640	3690	QPSK	1	99	1	0	19.57
				16QAM	1	99	1	0	18.60
				64QAM	1	99	1	0	17.67
				256QAM	1	99	1	0	14.62
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50340	3560	50511	3577.1	QPSK	1	99	1	0	19.25
				16QAM	1	99	1	0	18.50
				64QAM	1	99	1	0	17.56
				256QAM	1	99	1	0	14.21
50916	3617.6	50987	3634.7	QPSK	1	99	1	0	19.54
				16QAM	1	99	1	0	18.51
				64QAM	1	99	1	0	17.46
				256QAM	1	99	1	0	14.35
50491	3675.1	50652	3692.2	QPSK	1	99	1	0	19.56
				16QAM	1	99	1	0	18.57
				64QAM	1	99	1	0	17.46
				256QAM	1	99	1	0	14.49
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50318	3557.8	50489	3574.9	QPSK	1	74	1	0	19.33
				16QAM	1	74	1	0	18.38
				64QAM	1	74	1	0	17.29
				256QAM	1	74	1	0	14.41
50883	3615.3	50684	3632.4	QPSK	1	74	1	0	19.44
				16QAM	1	74	1	0	18.44
				64QAM	1	74	1	0	17.51
				256QAM	1	74	1	0	14.28
50469	3672.8	50640	3690	QPSK	1	74	1	0	19.42
				16QAM	1	74	1	0	18.46
				64QAM	1	74	1	0	17.47
				256QAM	1	74	1	0	14.59
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50340	3560	50484	3574.4	QPSK	1	99	1	0	19.25
				16QAM	1	99	1	0	18.41
				64QAM	1	99	1	0	17.34
				256QAM	1	99	1	0	14.39
50941	3620.1	50882	3634.5	QPSK	1	99	1	0	19.52
				16QAM	1	99	1	0	18.52
				64QAM	1	99	1	0	17.38
				256QAM	1	99	1	0	14.41
50541	3680.1	50685	3694.5	QPSK	1	99	1	0	19.42
				16QAM	1	99	1	0	18.45
				64QAM	1	99	1	0	17.51
				256QAM	1	99	1	0	14.47
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50296	3558.8	50439	3569.9	QPSK	1	49	1	0	19.25
				16QAM	1	49	1	0	18.41
				64QAM	1	49	1	0	17.40
				256QAM	1	49	1	0	14.42
50896	3615.6	50840	3630	QPSK	1	49	1	0	19.38
				16QAM	1	49	1	0	18.42
				64QAM	1	49	1	0	17.41
				256QAM	1	49	1	0	14.38
50496	3675.6	50640	3690	QPSK	1	49	1	0	19.46
				16QAM	1	49	1	0	18.46
				64QAM	1	49	1	0	17.51
				256QAM	1	49	1	0	14.55
Combination 20MHz+5MHz (100RB+25RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50340	3560	50457	3571.7	QPSK	1	99	1	0	19.37
				16QAM	1	99	1	0	18.50
				64QAM	1	99	1	0	17.25
				256QAM	1	99	1	0	14.39
50965	3622.5	50882	3634.2	QPSK	1	99	1	0	19.49
				16QAM	1	99	1	0	18.45
				64QAM	1	99	1	0	17.40
				256QAM	1	99	1	0	14.31
50990	3685	50707	3695.7	QPSK	1	99	1	0	19.45
				16QAM	1	99	1	0	18.49
				64QAM	1	99	1	0	17.52
				256QAM	1	99	1	0	14.58
Combination 5MHz+20MHz (25RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50273	3553.3	50390	3565	QPSK	1	24	1	0	19.28
				16QAM	1	24	1	0	18.47
				64QAM	1	24	1	0	17.34
				256QAM	1	24	1	0	14.45
50898	3615.8	50915	3627.8	QPSK	1	24	1	0	19.40
				16QAM	1	24	1	0	18.46
				64QAM	1	24	1	0	17.38
				256QAM	1	24	1	0	14.35
50523	3678.3	50640	3690	QPSK	1	24	1	0	19.42
				16QAM	1	24	1	0	18.40
				64QAM	1	24	1	0	17.54
				256QAM	1	24	1	0	14.61

CA 48B (Ann4)									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50290	3555	50389	3564.9	QPSK	1	49	1	0	19.37
				16QAM	1	49	1	0	18.91
				64QAM	1	49	1	0	17.43
				256QAM	1	49	1	0	14.37
50341	3633.1	50140	3640	QPSK	1	49	1	0	19.56
				16QAM	1	49	1	0	18.47
				64QAM	1	49	1	0	17.42
				256QAM	1	49	1	0	14.36
50591	3685.1	50590	3695	QPSK	1	49	1	0	19.53
				16QAM	1	49	1	0	18.95
				64QAM	1	49	1	0	17.43
				256QAM	1	49	1	0	14.58

Receiver on_DSIS_Sim-Tx

n48 (SCS 30 kHz) (Ant3)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		638000	641666	645332		
		Frequency (MHz)		3570	3624.99	3679.98		
40M	DFT-s-OFDM P/2 BPSK	1	1	22.06	22.49	22.73	23	
		1	53	22.13	22.48	22.53	23	
		1	104	22.37	22.72	22.76	23	
		50	0	22.21	22.43	22.68	23	
		50	28	22.34	22.54	22.77	23	
		50	56	22.20	22.67	22.67	23	
		100	0	22.14	22.61	22.70	23	
		1	1	22.41	22.78	22.84	23	
	DFT-s-OFDM QPSK	1	53	22.02	22.41	22.58	23	
		1	104	22.14	22.52	22.58	23	
		50	0	22.19	22.56	22.71	23	
		50	28	22.14	22.50	22.61	23	
		50	56	22.13	22.53	22.67	23	
		100	0	22.08	22.64	22.66	23	
		DFT-s-OFDM 16QAM	1	53	22.11	22.45	22.68	23
		DFT-s-OFDM 64QAM	1	53	21.93	22.22	22.12	22.5
	DFT-s-OFDM 256QAM	1	53	20.57	20.78	21.04	21.5	
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up	
		Frequency (MHz)		3560.01	3624.99	3690		
20M	DFT-s-OFDM QPSK	1	1	22.30	22.70	22.78	23	
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up	
		Frequency (MHz)		3555	3624.99	3694.98		
10M	DFT-s-OFDM QPSK	1	1	22.38	22.71	22.81	23	

n48 (SCS 30 kHz) (Ant6)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		638000	641666	645332		
		Frequency (MHz)		3570	3624.99	3679.98		
40M	DFT-s-OFDM P/2 BPSK	1	1	16.79	17.13	17.22	17.5	
		1	53	16.58	17.04	17.19	17.5	
		1	104	16.73	17.19	17.16	17.5	
		50	0	16.84	17.01	17.34	17.5	
		50	28	16.79	17.16	17.32	17.5	
		50	56	16.85	17.22	17.26	17.5	
		100	0	16.75	17.18	17.23	17.5	
		1	1	16.96	17.25	17.35	17.5	
	DFT-s-OFDM QPSK	1	53	16.69	17.09	17.16	17.5	
		1	104	16.84	17.10	17.07	17.5	
		50	0	16.83	17.13	17.19	17.5	
		50	28	16.74	17.06	17.17	17.5	
		50	56	16.73	16.98	17.15	17.5	
		100	0	16.85	16.94	16.97	17.5	
		DFT-s-OFDM 16QAM	1	53	16.66	16.97	17.29	17.5
		DFT-s-OFDM 64QAM	1	53	16.52	16.74	16.76	17
	DFT-s-OFDM 256QAM	1	53	15.23	15.32	15.45	16	
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up	
		Frequency (MHz)		3560.01	3624.99	3690		
20M	DFT-s-OFDM QPSK	1	1	16.91	17.10	17.33	17.5	
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up	
		Frequency (MHz)		3555	3624.99	3694.98		
10M	DFT-s-OFDM QPSK	1	1	16.95	17.21	17.31	17.5	

n48 (SCS 30 kHz) (Ant8)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM P/2 BPSK	1	1	19.30	19.63	19.79	20
		1	53	19.16	19.47	19.59	20
		1	104	19.22	19.68	19.59	20
		50	0	19.14	19.48	19.60	20
		50	28	19.26	19.56	19.60	20
		50	56	19.24	19.46	19.76	20
		100	0	19.22	19.44	19.79	20
		1	1	19.37	19.80	19.81	20
	DFT-s-OFDM QPSK	1	53	19.14	19.38	19.58	20
		1	104	19.30	19.60	19.67	20
		50	0	19.35	19.59	19.68	20
		50	28	19.16	19.58	19.67	20
		50	56	19.32	19.49	19.65	20
		100	0	19.14	19.63	19.64	20
		DFT-s-OFDM 16QAM	1	53	19.20	19.37	20
		DFT-s-OFDM 64QAM	1	53	18.95	19.13	19.5
		DFT-s-OFDM 256QAM	1	53	17.51	17.85	18.5
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	19.26	19.76	19.67	20
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	19.32	19.65	19.74	20

n77 (SCS 30 kHz) 3450~3550MHz (Ant3) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		21.21		22.5
		1	137		20.95		22.5
		1	271		21.18		22.5
		135	0		21.07		22.5
		135	69		21.01		22.5
		135	138		21.17		22.5
		270	0		21.23		22.5
		1	1		21.33		22.5
	DFT-s-OFDM QPSK	1	137		21.05		22.5
		1	271		21.08		22.5
		135	0		21.09		22.5
		135	69		21.19		22.5
		135	138		21.05		22.5
		270	0		20.93		22.5
		DFT-s-OFDM 16QAM	1	1		21.04	22.5
		DFT-s-OFDM 64QAM	1	1		20.97	21.5
		DFT-s-OFDM 256QAM	1	1		19.80	20.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	21.31	21.32	21.29	22.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	21.16	21.20	21.17	22.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	21.19	21.19	21.24	22.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	21.23	21.22	21.21	22.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	21.19	21.23	21.21	22.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	21.23	21.30	21.26	22.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	21.16	21.21	21.24	22.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	21.23	21.27	21.25	22.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	21.24	21.30	21.20	22.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	21.18	21.17	21.15	22.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	21.19	21.26	21.28	22.5

n77 (SCS 30 kHz) 3700–3980MHz (Ant3) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	20.99	21.49	21.59	22.5
		1	137	20.97	21.23	21.63	22.5
		1	271	21.10	21.37	21.72	22.5
		135	0	21.13	21.07	21.46	22.5
		135	69	21.13	21.23	21.60	22.5
		135	138	21.29	21.18	21.57	22.5
		270	0	21.23	21.13	21.53	22.5
	DFT-s-OFDM QPSK	1	1	21.22	21.80	21.86	22.5
		1	137	21.06	21.67	21.49	22.5
		1	271	21.07	21.59	21.54	22.5
		135	0	21.13	21.52	21.49	22.5
		135	69	21.17	21.55	21.72	22.5
		135	138	21.16	21.53	21.47	22.5
		270	0	20.92	21.50	21.64	22.5
	DFT-s-OFDM 16QAM	1	1	21.09	21.29	21.18	22.5
	DFT-s-OFDM 64QAM	1	1	20.96	21.18	21.14	21.5
	DFT-s-OFDM 256QAM	1	1	19.89	19.26	19.26	20.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
Frequency (MHz)		3745.02	3840	3934.98			
90M	DFT-s-OFDM QPSK	1	1	21.11	21.68	21.75	22.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
Frequency (MHz)		3740.01	3840	3939.99			
80M	DFT-s-OFDM QPSK	1	1	21.20	21.65	21.80	22.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
Frequency (MHz)		3735	3840	3945			
70M	DFT-s-OFDM QPSK	1	1	21.10	21.70	21.74	22.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
Frequency (MHz)		3730.02	3840	3949.98			
60M	DFT-s-OFDM QPSK	1	1	21.12	21.65	21.78	22.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
Frequency (MHz)		3725.01	3840	3954.99			
50M	DFT-s-OFDM QPSK	1	1	21.19	21.65	21.77	22.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
Frequency (MHz)		3720	3840	3960			
40M	DFT-s-OFDM QPSK	1	1	21.20	21.70	21.77	22.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
Frequency (MHz)		3715.02	3840	3964.98			
30M	DFT-s-OFDM QPSK	1	1	21.12	21.78	21.84	22.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
Frequency (MHz)		3710.01	3840	3969.99			
20M	DFT-s-OFDM QPSK	1	1	21.18	21.69	21.81	22.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
Frequency (MHz)		3707.52	3840	3972.48			
15M	DFT-s-OFDM QPSK	1	1	21.20	21.76	21.75	22.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
Frequency (MHz)		3705	3840	3975			
10M	DFT-s-OFDM QPSK	1	1	21.20	21.69	21.78	22.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
Frequency (MHz)		3702.51	3840	3977.49			
5M	DFT-s-OFDM QPSK	1	1	21.21	21.66	21.85	22.5

n77 (SCS 30 kHz) 3450–3550MHz (Ant6) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		15.22		16
		1	137		15.10		16
		1	271		15.26		16
		135	0		15.44		16
		135	69		15.30		16
		135	138		15.28		16
		270	0		15.17		16
		1	1		15.46		16
	DFT-s-OFDM QPSK	1	137		15.38		16
		1	271		15.17		16
		135	0		15.33		16
		135	69		15.34		16
		135	138		15.26		16
		270	0		15.30		16
		DFT-s-OFDM 16QAM	1	1	15.16		16
		DFT-s-OFDM 64QAM	1	1	14.78		15.5
		DFT-s-OFDM 256QAM	1	1	13.60		14.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	15.40	15.44	15.41	16
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	15.35	15.29	15.30	16
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	15.25	15.35	15.40	16
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	15.26	15.30	15.33	16
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	15.30	15.42	15.37	16
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	15.29	15.36	15.32	16
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	15.26	15.30	15.29	16
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	15.36	15.34	15.37	16
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	15.25	15.43	15.31	16
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	15.34	15.38	15.35	16
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	15.29	15.35	15.34	16

n77 (SCS 30 kHz) 3700~3980MHz (Ant6) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	15.22	14.89	14.45	16
		1	137	15.12	14.65	14.30	16
		1	271	15.35	14.83	14.47	16
		135	0	14.87	14.62	14.64	16
		135	69	14.98	14.78	14.43	16
		135	138	14.92	14.65	14.64	16
		270	0	15.00	14.59	14.60	16
	DFT-s-OFDM QPSK	1	1	15.39	15.21	14.75	16
		1	137	15.04	15.06	14.48	16
		1	271	14.91	15.00	14.52	16
		135	0	15.01	15.05	14.51	16
		135	69	15.14	15.11	14.68	16
		135	138	14.94	14.98	14.54	16
		270	0	15.01	14.91	14.39	16
	DFT-s-OFDM 16QAM	1	1	14.64	14.68	14.53	16
	DFT-s-OFDM 64QAM	1	1	14.55	14.66	14.42	15.5
	DFT-s-OFDM 256QAM	1	1	12.64	12.92	13.34	14.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
Frequency (MHz)		3745.02	3840	3934.98			
90M	DFT-s-OFDM QPSK	1	1	15.25	15.15	14.64	16
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
Frequency (MHz)		3740.01	3840	3939.99			
80M	DFT-s-OFDM QPSK	1	1	15.35	15.10	14.65	16
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
Frequency (MHz)		3735	3840	3945			
70M	DFT-s-OFDM QPSK	1	1	15.29	15.17	14.68	16
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
Frequency (MHz)		3730.02	3840	3949.98			
60M	DFT-s-OFDM QPSK	1	1	15.30	15.20	14.63	16
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
Frequency (MHz)		3725.01	3840	3954.99			
50M	DFT-s-OFDM QPSK	1	1	15.30	15.16	14.73	16
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
Frequency (MHz)		3720	3840	3960			
40M	DFT-s-OFDM QPSK	1	1	15.25	15.13	14.67	16
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
Frequency (MHz)		3715.02	3840	3964.98			
30M	DFT-s-OFDM QPSK	1	1	15.25	15.12	14.66	16
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
Frequency (MHz)		3710.01	3840	3969.99			
20M	DFT-s-OFDM QPSK	1	1	15.36	15.15	14.74	16
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
Frequency (MHz)		3707.52	3840	3972.48			
15M	DFT-s-OFDM QPSK	1	1	15.32	15.07	14.71	16
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
Frequency (MHz)		3705	3840	3975			
10M	DFT-s-OFDM QPSK	1	1	15.27	15.16	14.61	16
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
Frequency (MHz)		3702.51	3840	3977.49			
5M	DFT-s-OFDM QPSK	1	1	15.34	15.19	14.64	16

n77 (SCS 30 kHz) 3450~3550MHz (Ant8) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		18.86		20.5
		1	137		18.75		20.5
		1	271		18.86		20.5
		135	0		19.20		20.5
		135	69		19.05		20.5
		135	138		18.88		20.5
		270	0		18.80		20.5
		1	1		19.21		20.5
	DFT-s-OFDM QPSK	1	137		19.05		20.5
		1	271		18.84		20.5
		135	0		18.99		20.5
		135	69		19.12		20.5
		135	138		18.95		20.5
		270	0		19.05		20.5
		DFT-s-OFDM 16QAM	1	1	18.91		20.5
		DFT-s-OFDM 64QAM	1	1	18.72		19.5
		DFT-s-OFDM 256QAM	1	1	17.30		18.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	19.17	19.20	19.18	20.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	19.04	19.09	19.08	20.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	19.10	19.05	19.06	20.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	19.13	19.06	19.15	20.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	19.07	19.07	19.16	20.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	19.11	19.14	19.03	20.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	19.06	19.05	19.03	20.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	19.16	19.09	19.15	20.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	19.13	19.17	19.11	20.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	19.06	19.05	19.03	20.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	19.13	19.17	19.13	20.5

n77 (SCS 30 kHz) 3700~3980MHz (Ant8) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	19.99	19.65	19.35	20.5
		1	137	20.04	19.60	19.26	20.5
		1	271	20.09	19.70	19.40	20.5
		135	0	19.55	19.54	19.47	20.5
		135	69	19.73	19.57	19.49	20.5
		135	138	19.71	19.55	19.56	20.5
		270	0	19.95	19.35	19.55	20.5
		1	1	20.13	20.05	19.65	20.5
	DFT-s-OFDM QPSK	1	137	19.83	19.83	19.44	20.5
		1	271	19.86	19.91	19.31	20.5
		135	0	19.90	19.87	19.39	20.5
		135	69	19.94	19.74	19.45	20.5
		135	138	19.99	19.94	19.48	20.5
		270	0	19.88	19.84	19.44	20.5
		1	1	19.39	19.39	19.45	20.5
	DFT-s-OFDM 16QAM	1	1	19.45	19.41	19.21	19.5
	DFT-s-OFDM 64QAM	1	1	17.55	17.56	18.08	18.5
	DFT-s-OFDM 256QAM	1	1	17.55	17.56	18.08	18.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	20.09	19.98	19.52	20.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	20.06	19.90	19.59	20.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	20.06	19.91	19.50	20.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	20.03	19.98	19.62	20.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	20.04	19.96	19.51	20.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	20.08	20.01	19.61	20.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	20.00	19.92	19.64	20.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	20.01	19.97	19.57	20.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	20.10	19.93	19.59	20.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	20.06	19.97	19.54	20.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	20.02	19.91	19.59	20.5

Sensor on&Hotspot_DSI6&8_Sim-Tx

Band	GSM850(ANT2)				GSM1900(ANT1)			
Channel	128	189	251	Max. Tune-up Power (dBm)	512	661	810	Max. Tune-up Power (dBm)
Frequency (MHz)	824.2	836.4	848.8		1850.2	1880	1909.8	
GSM	32.94	32.46	32.98	33.50	30.72	30.04	30.03	31.00
GPRS 1Tx Slot	32.97	32.51	33.09	33.50	30.77	30.06	30.14	31.00
GPRS 2Tx Slot	29.96	30.56	31.06	31.50	28.64	27.90	28.02	29.50
GPRS 3Tx Slot	28.71	28.47	28.99	29.50	26.67	25.81	25.97	27.00
GPRS 4Tx Slot	27.69	27.24	27.62	28.50	24.88	24.34	24.49	25.50
EDGE 1Tx Slot	27.13	27.17	27.10	28.50	26.67	26.61	26.17	27.00
EDGE 2Tx Slot	24.65	24.35	25.63	26.00	24.98	24.85	24.91	25.50
EDGE 3Tx Slot	22.57	22.31	23.53	24.00	21.77	21.75	21.79	22.50
EDGE 4Tx Slot	21.30	21.15	22.25	23.00	20.53	20.60	20.62	21.50

Band	WCDMA II(ANT1)			WCDMA II Max. Tune-up Power (dBm)	WCDMA V(ANT2)			WCDMA V Max. Tune-up Power (dBm)
TX Channel	9262	9400	9538		4132	4182	4233	
Rx Channel	9662	9800	9938	Max. Tune-up Power (dBm)	4357	4407	4458	Max. Tune-up Power (dBm)
Frequency (MHz)	1852.4	1880	1907.6		826.4	836.4	846.6	
RMC 12.2K	21.15	21.37	21.24	22.00	24.40	24.42	24.33	25.00
HSDPA Subtest-1	20.33	20.34	20.24	21.00	23.25	23.28	23.23	24.00
HSDPA Subtest-2	20.45	20.31	20.30	21.00	23.33	23.34	23.27	24.00
HSDPA Subtest-3	19.80	19.78	19.87	20.50	22.71	22.72	22.70	23.50
HSDPA Subtest-4	19.70	19.72	19.84	20.50	22.69	22.74	22.65	23.50
DC-HSDPA Subtest-1	20.35	20.22	20.23	21.00	23.24	23.24	23.11	24.00
DC-HSDPA Subtest-2	20.33	20.30	20.31	21.00	23.19	23.30	23.15	24.00
DC-HSDPA Subtest-3	19.67	19.79	19.72	20.50	22.65	22.65	22.66	23.50
DC-HSDPA Subtest-4	19.68	19.63	19.69	20.50	22.63	22.59	22.51	23.50
HSUPA Subtest-1	20.44	20.43	20.37	21.00	23.22	23.24	23.22	24.00
HSUPA Subtest-2	19.80	19.87	19.78	20.50	22.73	22.78	22.75	23.50
HSUPA Subtest-3	20.31	20.33	20.25	21.00	23.20	23.21	23.19	24.00
HSUPA Subtest-4	20.22	20.21	20.23	21.00	23.18	23.20	23.21	24.00
HSUPA Subtest-5	20.23	20.30	20.25	21.00	23.21	23.23	23.22	24.00

LTE Band 2 (Aur1)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max			
		Channel	Frequency (MHz)	1980	1985	1990	Throughput (Mbps)			
OFDM		1	0	19.82	19.82	19.82	20.5			
		1	50	19.89	19.87	19.13	20.5			
		1	100	19.99	19.84	19.01	20.5			
		50	0	19.19	19.89	19.87	19.5			
		50	25	19.20	19.86	19.07	19.5			
		50	50	19.83	19.11	19.14	19.5			
		100	0	19.19	19.14	19.14	19.5			
		1	50	19.84	19.84	19.36	19.5			
		1	99	19.85	19.82	19.22	19.5			
		50	17	17.07	17.16	17.06	19.5			
10M		50	25	17.19	17.21	17.20	19.5			
		50	50	17.22	17.18	17.27	19.5			
		100	0	17.22	17.08	17.12	19.5			
		1	0	17.25	17.17	17.18	19.5			
		1	50	17.24	17.15	17.29	19.5			
		1	99	17.25	17.12	17.27	19.5			
		50	0	16.99	16.10	16.08	17.5			
		50	50	16.99	16.11	16.21	17.5			
		100	0	16.23	16.09	16.23	17.5			
		1	50	14.20	14.23	14.12	15.5			
2500M		1	99	14.29	14.20	14.24	15.5			
		50	0	14.22	14.21	14.05	15.5			
		50	25	14.25	14.20	14.18	15.5			
		50	50	14.20	14.26	14.18	15.5			
		100	0	14.23	14.12	14.12	15.5			
BW	Modulation	Channel	Frequency (MHz)	1980	1985	1990	Max Throughput (Mbps)			
		Frequency (MHz)	1980	1985	1990					
OFDM		1	0	19.89	19.87	19.80	20.5			
		1	50	19.97	19.87	19.11	20.5			
		1	74	19.94	19.90	19.89	20.5			
		36	0	19.84	19.87	19.75	19.5			
		36	19	19.83	19.78	19.88	19.5			
		36	36	19.19	19.82	19.84	19.5			
		72	0	19.84	19.11	19.84	19.5			
		1	0	19.26	19.31	19.08	19.5			
		1	37	19.30	19.33	19.21	19.5			
		25	0	19.26	19.35	19.12	19.5			
10M		36	19	19.38	17.17	17.18	19.5			
		36	36	17.12	17.08	17.18	19.5			
		72	0	17.14	16.07	17.04	19.5			
		1	0	17.21	17.19	17.17	19.5			
		1	37	17.29	17.08	17.24	19.5			
		1	74	17.25	17.08	17.17	19.5			
		36	19	16.98	16.96	16.96	17.5			
		36	36	16.92	16.98	16.97	17.5			
		72	0	16.15	16.98	16.17	17.5			
		1	0	14.11	14.11	14.04	15.5			
2500M		1	74	14.28	14.08	14.23	15.5			
		36	0	13.98	14.17	13.90	15.5			
		36	19	14.12	14.07	14.07	15.5			
		36	36	14.12	14.14	14.16	15.5			
		72	0	14.09	14.00	14.00	15.5			
BW	Modulation	Channel	Frequency (MHz)	1980	1985	1990	Max Throughput (Mbps)			
		Frequency (MHz)	1980	1985	1990					
OFDM		1	0	19.87	19.86	19.86	20.5			
		1	50	19.92	19.86	19.86	20.5			
		1	49	19.83	19.84	19.83	20.5			
		25	0	19.84	17.89	17.89	19.5			
		25	19	19.84	17.89	17.89	19.5			
		25	25	19.14	17.87	17.88	19.5			
		50	0	17.93	19.85	19.81	19.5			
		50	50	19.17	19.81	19.80	19.5			
		1	24	19.25	19.18	19.17	19.5			
		1	49	19.21	19.19	19.09	19.5			
10M		25	0	19.38	19.89	19.87	19.5			
		25	12	19.38	17.17	17.09	19.5			
		25	25	17.04	17.03	17.04	19.5			
		25	50	17.02	19.89	19.90	19.5			
		1	0	17.13	17.15	17.03	19.5			
		1	24	17.17	17.09	17.02	19.5			
		1	49	17.21	17.05	17.02	19.5			
		25	0	15.99	15.93	15.91	17.5			
		25	12	15.99	15.98	15.98	17.5			
		25	25	16.16	16.04	16.10	17.5			
2500M		25	50	16.11	15.98	16.10	17.5			
		50	0	14.01	13.98	13.97	15.5			
		1	24	14.00	14.04	13.91	15.5			
		1	49	14.16	13.94	14.17	15.5			
		25	0	13.98	14.09	13.79	15.5			
BW	Modulation	Channel	Frequency (MHz)	1980	1985	1990	Max Throughput (Mbps)			
		Frequency (MHz)	1980	1985	1990					
OFDM		1	12	19.81	19.72	19.86	20.5			
		1	24	19.82	19.86	19.70	20.5			
		12	0	19.82	17.79	17.79	19.5			
		12	6	17.97	17.70	17.83	19.5			
		12	13	19.81	17.82	19.83	19.5			
		25	0	17.82	19.82	17.82	19.5			
		7	0	19.16	19.17	17.90	19.5			
		1	24	19.14	19.13	17.98	19.5			
		12	0	19.72	19.88	19.69	19.5			
		12	6	19.88	17.80	19.86	19.5			
10M		12	13	19.83	19.89	19.85	19.5			
		25	0	19.89	19.79	19.89	19.5			
		1	0	17.12	17.12	17.09	19.5			
		1	12	17.12	16.80	17.12	19.5			
		1	24	17.20	16.99	16.99	19.5			
		12	0	16.82	16.97	16.83	17.5			
		12	6	15.98	15.90	16.03	17.5			
		12	13	15.98	15.93	16.00	17.5			
		25	0	16.09	15.98	16.00	17.5			
		1	0	13.98	13.90	13.83	15.5			
2500M		1	12	13.99	13.80	13.77	15.5			
		1	24	14.07	13.84	14.15	15.5			
		12	0	13.84	13.84	13.79	15.5			
		12	6	13.89	13.87	13.87	15.5			
		12	13	13.95	13.96	13.95	15.5			
		25	0	13.91	13.92	13.88	15.5			
BW	Modulation	Channel	Frequency (MHz)	1980	1985	1990	Max Throughput (Mbps)			
		Frequency (MHz)	1980	1985	1990					
OFDM		1	0	19.74	19.51	19.57	20.5			
		1	50	19.86	19.70	19.65	20.5			
		1	14	19.81	19.71	19.69	20.5			
		8	0	17.99	17.70	17.73	19.5			
		8	7	17.84	17.27	17.04	19.5			
		6	7	17.85	17.77	17.86	19.5			
		15	0	17.77	17.97	17.90	19.5			
		1	0	19.07	19.02	17.79	19.5			
		1	7	19.15	17.96	17.88	19.5			
		1	14	19.09	17.98	17.93	19.5			
10M		8	0	19.11	19.81	19.83	19.5			
		8	3	19.82	19.91	19.89	19.5			
		15	0	19.83	19.72	19.85	19.5			
		1	0	17.04	17.13	16.92	19.5			
		1	12	16.91	17.01	17.01	19.5			
		1	14	17.18	16.89	16.93	19.5			
		8	0	15.78	15.72	15.69	17.5			
		8	3	15.96	15.78	16.02	17.5			
		6	7	15.85	16.01	15.99	17.5			
		15	0	13.97	13.84	13.93	17.5			
2500M		1	0	13.89	13.89	13.89	19.5			
		1	7	13.95	13.92	13.85	15.5			
		1	14	13.99	13.99	14.04	15.5			
		1	0	13.80	13.80	13.87	15.5			
		8	0	13.85	13.85	13.86	15.5			
2500M		1	14	13.99	13.99	14.04	15.5			
		1	0	13.80	13.80	13.87	15.5			
		8	0	13.85	13.85	13.86	15.5			
		8	3	13.92	13.89	13.91	15.5			
		8	7	13.90	13.80	13.91	15.5			
15	0	13.84	13.75	13.87	15.5					
BW	Modulation	Channel	Frequency (MHz)	1980	1985	1990	Max Throughput (Mbps)			
		Frequency (MHz)	1980	1985	1990					
OFDM		1	0	19.36	19.89	19.03	20.5			
		1	50	19.86	19.86	19.81	20.5			
		1	14	19.87	19.86	19.86	20.5			
		3	1	19.81	19.83	19.85	20.5			
		6	0	19.09	19.11	19.07	19.5			
		1	0	19.26	19.30	19.10	19.5			
		1	2	19.40	19.38	19.25	19.5			
		1	5	19.21	19.35	19.10	19.5			
		3	3	19.83	19.89	19.74	19.5			
		3	3	17.89	17.85	17.85	19.5			
14.4		1	0	17.89	17.85	17.85	19.5			
		1	2	17.92	17.93	17.95	19.5			
		1	21	17.20	17.10	17.14	19.5			
		1	42	17.20	17.10	17.11	19.5			
		3	0	16.76	16.79	16.79	19.5			
		1	1	16.75	16.75	16.81	19.5			
		3	0	15.84	15.83	15.81	17.5			
		3	3	15.89	15.89	15.90	17.5			
		3	3	13.95	13.73	13.80	15.5			
		3	3	13.93	13.85	13.85	15.5			

LTE Band 7 (Aur)											
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max	Turnup (dBm)	Max Turnup (dBm)		
		Channel									
		Frequency (MHz)	20MHz	21MHz	21MHz	Frequency (MHz)	20MHz				
20M	QPSK	1	0	17.60	17.63	17.67	19				
		1	50	17.60	17.60	17.61	19				
		1	99	17.50	17.55	17.64	15				
		50	0	16.74	16.77	16.65	18				
		50	50	16.64	16.75	16.64	18				
		100	0	16.71	16.75	16.68	18				
		100	50	16.70	16.74	16.66	18				
		1	99	17.03	16.98	16.77	18				
		1	89	16.91	16.75	16.75	18				
		50	25	15.68	15.67	15.52	17				
100M	16QAM	1	0	15.90	15.81	15.88	17				
		1	50	15.94	15.70	15.69	17				
		1	99	15.55	15.59	15.62	17				
		50	0	14.92	14.87	14.70	16				
		50	50	14.88	14.87	14.81	16				
		100	0	14.74	14.64	14.65	16				
		100	50	14.74	14.64	14.58	16				
		1	99	15.75	15.72	15.75	14				
		1	89	15.80	15.62	15.64	14				
		50	25	12.83	12.73	12.67	14				
200M	64QAM	1	0	12.80	12.82	12.74	14				
		50	0	12.83	12.83	12.74	14				
		50	25	12.82	12.73	12.67	14				
		50	50	12.80	12.77	12.74	14				
		100	0	12.81	12.82	12.81	14				
		5M	QPSK	Channel	20MHz	21MHz	21MHz	Max Turnup (dBm)			
				Frequency (MHz)	20MHz	21MHz	21MHz	Frequency (MHz)	20MHz		
				1	0	17.97	17.92	17.92	15		
				1	24	17.60	17.60	17.49	19		
				1	49	17.52	17.50	17.50	19		
36	0			16.60	16.70	16.50	18				
36	19			16.60	16.62	16.57	18				
36	39			16.51	16.71	16.61	18				
36	59			16.59	16.65	16.51	18				
1	0			16.67	16.79	16.79	18				
100M	16QAM	1	0	16.60	16.74	16.69	18				
		1	74	16.80	16.62	16.69	18				
		36	0	15.70	15.67	15.72	17				
		36	19	16.67	16.53	16.41	17				
		75	0	15.77	15.52	15.58	17				
		75	0	15.78	15.52	15.55	17				
		1	57	15.60	15.59	15.55	17				
		1	74	15.42	15.50	15.73	17				
		36	19	14.70	14.54	14.57	16				
		36	19	14.73	14.68	14.50	16				
50M	64QAM	1	0	14.60	14.65	14.54	16				
		1	0	14.60	14.54	14.55	16				
		1	0	12.73	12.71	12.72	14				
		1	0	12.70	12.69	12.69	14				
		1	74	12.77	12.49	12.60	14				
		36	0	12.72	12.49	12.60	14				
		36	19	12.79	12.68	12.54	14				
		36	19	12.57	12.63	12.62	14				
		75	0	12.69	12.61	12.58	14				
		75	0	12.69	12.61	12.58	14				
20M	QPSK	Channel	20MHz	21MHz	21MHz	Max Turnup (dBm)					
		Frequency (MHz)	20MHz	21MHz	21MHz	Frequency (MHz)	20MHz				
		1	0	17.87	17.87	17.41	19				
		1	24	17.51	17.60	17.44	19				
		1	49	17.42	17.47	17.35	19				
		25	0	16.54	16.68	16.46	18				
		25	12	16.49	16.52	16.53	18				
		25	25	16.48	16.70	16.56	18				
		50	0	16.58	16.50	16.44	18				
		50	0	16.51	16.57	16.60	18				
100M	16QAM	1	24	16.80	16.64	16.62	18				
		1	49	16.82	16.50	16.68	18				
		25	0	15.62	15.50	15.57	17				
		25	12	15.60	15.39	15.30	17				
		25	25	15.50	15.41	15.55	17				
		50	0	15.71	15.47	15.57	17				
		1	0	15.62	15.60	15.43	17				
		1	24	15.62	15.45	15.51	17				
		50	0	15.53	15.46	15.50	17				
		50	0	14.65	14.45	14.42	16				
50M	64QAM	1	0	14.60	14.53	14.45	16				
		25	25	14.58	14.38	14.41	16				
		50	0	14.57	14.30	14.51	16				
		1	0	12.58	12.30	12.61	14				
		1	24	12.61	12.58	12.56	14				
		25	0	12.70	12.62	12.52	14				
		25	12	12.71	12.61	12.42	14				
		25	25	12.57	12.61	12.47	14				
		50	0	12.56	12.52	12.50	14				
		50	0	12.56	12.52	12.50	14				
20M	QPSK	Channel	20MHz	21MHz	21MHz	Max Turnup (dBm)					
		Frequency (MHz)	20MHz	21MHz	21MHz	Frequency (MHz)	20MHz				
		1	0	17.54	17.52	17.35	19				
		1	12	17.45	17.54	17.34	19				
		1	24	17.27	17.43	17.29	19				
		12	0	16.42	16.50	16.32	18				
		12	6	16.42	16.46	16.48	18				
		12	13	16.34	16.50	16.47	18				
		25	0	16.54	16.55	16.37	18				
		1	0	16.71	16.75	16.60	18				
100M	16QAM	1	0	15.68	15.65	15.68	18				
		1	24	16.70	16.43	16.69	18				
		12	0	15.50	15.36	15.18	17				
		12	13	15.44	15.34	15.46	17				
		25	0	15.59	15.41	15.55	17				
		1	0	15.47	15.43	15.36	17				
		1	12	15.50	15.32	15.36	17				
		1	24	15.32	15.36	15.37	17				
		12	0	14.52	14.44	14.38	16				
		12	6	14.65	14.40	14.38	16				
50M	64QAM	1	0	14.53	14.38	14.40	16				
		1	0	12.58	12.67	12.59	14				
		1	12	12.58	12.53	12.56	14				
		1	24	12.62	12.38	12.43	14				
		12	0	12.60	12.30	12.41	14				
		12	6	12.60	12.31	12.35	14				
		12	13	12.42	12.58	12.45	14				
		25	0	12.46	12.42	12.49	14				
		25	0	12.46	12.42	12.49	14				
		25	0	12.46	12.42	12.49	14				

LTE Band 12 (Aur)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max.	Turnup (dBm)	Max. Turnup (dBm)
		Channel	20MHz	21MHz	21MHz				
		Frequency (MHz)	20MHz	21MHz	21MHz	Frequency (MHz)	20MHz		
20M	QPSK	1	0	24.15	24.20	24.21	25.5		
		1	24	24.20	24.24	24.22	25.5		
		1	49	24.07	24.11	24.08	25.5		
		25	0	23.20	23.21	23.19	24.5		
		25	25	23.25	23.28	23.23	24.5		
		50	0	23.25	23.27	23.20	24.5		
		50	0	23.24	23.26	23.24	24.5		
		1	24	23.48	23.48	23.42	24.5		
		1	49	23.37	23.31	23.31	24.5		
		25	12	22.26	22.22	22.16	23.5		
100M	16QAM	1	0	22.44	22.44	22.34	23.5		
		1	24	22.46	22.41	22.35	23.5		
		1	49	22.29	22.29	22.29	23.5		
		25	0	21.20	21.21	21.20	22.5		
		25	25	21.29	21.23	21.21	22.5		
		50	0	21.25	21.18	21.28	22.5		
		1	0	19.32	19.36	19.39	20.5		
		1	24	19.37	19.36	19.39	20.5		
		1	49	19.23	19.29	19.29	20.5		
		25	12	19.22	19.24	19.24	20.5		
200M	64QAM	1	0	19.33	19.27	19.30	20.5		
		1	24	19.34	19.29	19.32	20.5		
		25	25	19.34	19.29	19.32	20.5		
		50	0	19.32	19.34	19.34	20.5		
5M	QPSK	Channel	20MHz	21MHz	21MHz	Max. Turnup (dBm)			
		Frequency (MHz)	20MHz	21MHz	21MHz	Frequency (MHz)	20MHz		
		1	0	24.15	24.20	24.13	25.5		
20M	QPSK	1	0	24.15	24.20	24.21	25.5		
		1	12	24.22	24.20	24.13	25.5		
		1	24	23.88	23.94	23.84	24.5		
		12	0	23.08	23.19	23.10	24.5		
		12	4	23.12	23.10	23.07	24.5		
		12	13	23.17	23.06	23.02	24.5		
		25	0	23.18	23.13	23.10	24.5		
		25	0	23.24	23.26	23.24	24.5		
		1	12	23.43	23.36	23.43	24.5		
		1	24	23.33	23.16	23.16	24.5		
100M	16QAM	1	0	22.11	22.11	22.16	23.5		
		1	24	22.29	22.07	22.13	23.5		
		1	49	22.26	22.07	22.13	23.5		
		12	6	22.22	22.07	22.13	23.5		
		12	13	22.27	22.08	22.13	23.5		
		25	0	22.34	22.38	22.30	23.5		
		25	0	22.36	22.38	22.38	23.5		
		1	0	22.34	22.38	22.30	23.5		
		1	24	22.27	22.16	22.16	23.5		
		12	0	21.15	21.15	21.23	22.5		
200M	64QAM	1	0	21.24	21.14	21.14	22.5		
		12	13	21.22	21.09	21.10	22.5		
		0	6	21.23	21.11	21.12	22.5		
		12	6	21.22	21.09	21.12	22.5		
		1	12	19.32	19.31	19.32	20.5		
		1	24	19.32	19.31	19.32	20.5		
		12	0	19.07	19.05	19.05	20.5		
		12	6	19.10	19.06	19.17	20.5		
		13	13	19.22	19.21	19.17	20.5		
		25	0	19.20	19.15	19.22	20.5		
20M	QPSK	Channel	20MHz	21MHz	21MHz	Max. Turnup (dBm)			
		Frequency (MHz)	20MHz	21MHz	21MHz	Frequency (MHz)	20MHz		
		1	0	24.05	24.09	24.11	25.5		
		1	7	24.20	24.16	24.11	25.5		
		1	14	23.90	24.04	23.94	24.5		
		8	3	23.81	23.91	23.84	24.5		
		8	3	23.90	23.91	23.87	24.5		
		15	0	23.21	23.12	23.10	24.5		
		0	7	23.14	23.07	23.07	24.5		
		1	14	23.34	23.03	23.17	24.5		
100M	16QAM	1	0	22.01	22.03	22.03	23.5		
		1	7	22.24	22.18	22.11	23.5		
		8	3	22.22	22.11	22.11	23.5		
		1	23.03	23.03	23.03	24.5			
		1	14	22.24	22.18	22.11	23.5		
		8	3	22.24	22.18	22.11	23.5		
		1	7	22.22	22.11	22.11	23.5		
		15	0	20.18	20.13	20.13	22.5		
		1	0	20.37	20.38	20.31	22.5		
		1	7	22.37	22.46	22.34	23.5		
200M	64QAM	1	0	22.28	22.28	22.28	23.5		
		8	0	21.18	21.20	21.20	22.5		
		1	7	21.24	21.12	21.12	22.5		
		8	7	21.10	21.16	21.13	22.5		
		15	0	21.52	21.17	21.16	22.5		
		1	7	19.26	19.26	19.26	20.5		
		1	7	19.32	19.30	19.34	20.5		
		1	14	19.18	19.10	19.20	20.5		
		1	14	19.10	19.10	19.10	20.5		
		8	3	19.27	19.12	19.27	20.5		
5M	QPSK	Channel	20MHz	21MHz	21MHz	Max. Turnup (dBm)			
		Frequency (MHz)	20MHz	21MHz	21MHz	Frequency (MHz)	20MHz		
		1	0	24.02	24.12	24.12	25.5		
20M	QPSK	1	2	24.10	24.20	24.13	25.5		
		1	0	23.97	23.93	23.90	25.5		
		3	1	24.05	24.05	23.98	25.5		
		1	0	23.87	23.93	23.93	25.5		
		6	0	23.28	23.44	23.38	24.5		
		3	3	23.40	23.31	23.38	24.5		
		1	5	23.31	23.25	23.27	24.5		
		3	0	23.01	23.07	23.07	24.5		
		3	3	23.06	22.91	22.91	24.5		
		3	3	22.93	23.03	23.04	24.5		
100M	16QAM	1	0	22.13	22.13	22.13	23.5		
		1	0	22.08	22.09	22.08	23.5		
		1	2	22.41	22.37	22.24	23.5		
		8	0	22.15	22.12	22.11	23.5		
		3	1	22.07	22.09	22.09	23.5		
		3	1	22.04	22.03	22.03	23.5		
		6	0	21.90	21.90	21.90	22.5		
		0	1	19.31	19.31	19.31	20.5		
		1	2	19.28	19.31	19.30	20.5		
		1	6	19.08	19.22	19.20	20.5		
200M	64QAM	1	0	19.12	19.12	19.12	20.5		
		3	1	19.27	19.20	19.20	20.5		
		3	1	19.28	19.10	19.23	20.5		
		3	1	19.27	19.20	19.20	20.5		
		3	1	19.28	19.10	19.23	20.5		
		3	1	19.27	19.20	19.20	20.5		
		3	1	19.28	19.10	19.23	20.5		
		3	1	19.27	19.20	19.20	20.5		
		3	1	19.28	19.10	19.23	20.5		
		3	1	19.27	19.20	19.20	20.5		

LTE Band 40 for SAR (Ant4)												
BW	MCS Index	RB Size		RB Offset	Low		Low Mid		High Mid		Max. Turn-up (dB)	
		Channel			256Q		512Q		1024Q			
		Frequency (MHz)			256Q	512Q	256Q	512Q	256Q	512Q		
ZSM	CPSC	1	0	18.83	18.82	18.88	18.90	18.90	20			
		1	50	19.02	18.88	18.81	18.81					
		1	99	19.00	18.69	18.39	18.37	20				
		50	0	18.01	17.91	17.82	18.01	19				
		50	50	18.06	17.98	18.02	18.19	19				
	H2QAM	100	0	17.88	17.84	17.88	18.15	19				
		1	50	17.87	17.79	17.64	18.06	19				
		1	99	17.87	17.79	17.86	17.98	19				
		50	50	17.04	16.96	16.95	17.08	18				
		50	50	17.04	16.81	16.96	17.24	18				
H2QAM	100	0	16.96	16.88	16.90	16.95	17					
	1	50	16.96	16.90	16.91	17.14	18					
	1	99	17.04	16.93	16.79	17.11	18					
	50	0	16.06	15.94	15.75	16.02	17					
	50	50	16.04	15.87	15.89	16.16	17					
	100	0	15.08	15.02	15.05	15.08	17					
	1	50	15.08	15.04	15.09	15.13	18					
	1	99	15.04	14.93	14.79	15.11	18					
	50	25	14.06	13.94	13.79	14.11	17					
	50	50	14.04	13.87	13.89	14.16	17					
ZSM	CPSC	1	0	17.86	17.79	17.82	18.01	19				
		1	50	18.04	17.94	17.84	18.04	20				
		1	99	17.88	17.81	17.74	17.92	19				
		50	0	17.00	16.90	16.79	17.00	18				
		50	50	17.00	16.75	16.90	17.00	18				
	H2QAM	100	0	17.81	17.81	17.83	18.03	19				
		1	50	17.81	17.73	17.60	17.93	19				
		1	99	17.76	17.70	17.60	17.76	19				
		50	25	17.04	17.04	17.19	17.62	18				
		50	50	17.04	16.89	16.94	17.08	18				
H2QAM	100	0	16.99	16.91	16.92	17.07	18					
	1	50	16.99	16.91	16.92	17.07	18					
	1	99	16.94	16.83	16.73	17.02	18					
	50	0	16.03	15.98	15.83	16.03	17					
	50	50	16.03	15.78	15.85	16.03	17					
	100	0	15.06	15.06	15.06	15.16	17					
	1	50	15.06	15.07	15.04	15.13	17					
	1	99	15.03	14.97	14.84	15.13	17					
	50	25	14.06	13.99	13.81	14.06	16					
	50	50	14.06	13.79	13.94	14.06	16					
ZSM	CPSC	1	0	16.81	16.79	16.81	16.94	17				
		1	50	16.81	16.79	16.81	16.94	17				
		1	99	16.81	16.79	16.81	16.94	17				
		50	0	15.81	15.74	15.78	15.81	16				
		50	50	15.81	15.69	15.78	15.81	16				
	H2QAM	100	0	14.81	14.78	14.81	14.94	16				
		1	50	14.81	14.78	14.81	14.94	16				
		1	99	14.81	14.78	14.81	14.94	16				
		50	25	13.81	13.75	13.78	13.81	15				
		50	50	13.81	13.69	13.78	13.81	15				
ZSM	CPSC	1	0	15.81	15.79	15.81	15.94	16				
		1	50	15.81	15.79	15.81	15.94	16				
		1	99	15.81	15.79	15.81	15.94	16				
		50	0	14.81	14.74	14.78	14.81	15				
		50	50	14.81	14.69	14.78	14.81	15				
	H2QAM	100	0	13.81	13.78	13.81	13.94	16				
		1	50	13.81	13.78	13.81	13.94	16				
		1	99	13.81	13.78	13.81	13.94	16				
		50	25	12.81	12.75	12.78	12.81	15				
		50	50	12.81	12.69	12.78	12.81	15				
ZSM	CPSC	1	0	14.81	14.78	14.81	14.94	16				
		1	50	14.81	14.78	14.81	14.94	16				
		1	99	14.81	14.78	14.81	14.94	16				
		50	0	13.81	13.74	13.78	13.81	15				
		50	50	13.81	13.69	13.78	13.81	15				
	H2QAM	100	0	12.81	12.78	12.81	12.94	16				
		1	50	12.81	12.78	12.81	12.94	16				
		1	99	12.81	12.78	12.81	12.94	16				
		50	25	11.81	11.75	11.78	11.81	15				
		50	50	11.81	11.69	11.78	11.81	15				
ZSM	CPSC	1	0	13.81	13.77	13.81	13.92	15				
		1	50	13.81	13.77	13.81	13.92	15				
		1	99	13.81	13.77	13.81	13.92	15				
		50	0	12.81	12.74	12.77	12.81	14				
		50	50	12.81	12.72	12.77	12.81	14				
	H2QAM	100	0	12.81	12.77	12.81	12.92	15				
		1	50	12.81	12.77	12.81	12.92	15				
		1	99	12.81	12.77	12.81	12.92	15				
		50	25	11.81	11.74	11.77	11.81	14				
		50	50	11.81	11.69	11.77	11.81	14				
ZSM	CPSC	1	0	12.81	12.78	12.81	12.94	15				
		1	50	12.81	12.78	12.81	12.94	15				
		1	99	12.81	12.78	12.81	12.94	15				
		50	0	11.81	11.74	11.77	11.81	14				
		50	50	11.81	11.69	11.77	11.81	14				
	H2QAM	100	0	11.81	11.78	11.81	11.94	15				
		1	50	11.81	11.78	11.81	11.94	15				
		1	99	11.81	11.78	11.81	11.94	15				
		50	25	10.81	10.74	10.77	10.81	14				
		50	50	10.81	10.69	10.77	10.81	14				
ZSM	CPSC	1	0	11.81	11.78	11.81	11.94	15				
		1	50	11.81	11.78	11.81	11.94	15				
		1	99	11.81	11.78	11.81	11.94	15				
		50	0	10.81	10.74	10.77	10.81	14				
		50	50	10.81	10.69	10.77	10.81	14				
	H2QAM	100	0	10.81	10.78	10.81	10.94	15				
		1	50	10.81	10.78	10.81	10.94	15				
		1	99	10.81	10.78	10.81	10.94	15				
		50	25	9.81	9.74	9.77	9.81	14				
		50	50	9.81	9.69	9.77	9.81	14				
ZSM	CPSC	1	0	10.81	10.77	10.81	10.92	14				
		1	50	10.81	10.77	10.81	10.92	14				
		1	99	10.81	10.77	10.81	10.92	14				
		50	0	9.81	9.74	9.77	9.81	13				
		50	50	9.81	9.69	9.77	9.81	13				
	H2QAM	100	0	9.81	9.78	9.81	9.94	14				
		1	50	9.81	9.78	9.81	9.94	14				
		1	99	9.81	9.78	9.81	9.94	14				
		50	25	8.81	8.74	8.77	8.81	13				
		50	50	8.81	8.69	8.77	8.81	13				
ZSM	CPSC	1	0	9.81	9.77	9.81	9.92	14				
		1	50	9.81	9.77	9.81	9.92	14				
		1	99	9.81	9.77	9.81	9.92	14				
		50	0	8.81	8.74	8.77	8.81	13				
		50	50	8.81	8.69	8.77	8.81	13				
	H2QAM	100	0	8.81	8.78	8.81	8.94	14				
		1	50	8.81	8.78	8.81	8.94	14				
		1	99	8.81	8.78	8.81	8.94	14				
		50	25	7.81	7.74	7.77	7.81	13				
		50	50	7.81	7.69	7.77	7.81	13				
ZSM	CPSC	1	0	8.81	8.77	8.81	8.92	13				
		1	50	8.81	8.77	8.81	8.92	13				
		1	99	8.81	8.77	8.81	8.92	13				
		50	0	7.81	7.74	7.77	7.81	12				
		50	50	7.81	7.69	7.77	7.81	12				
	H2QAM	100	0	7.81	7.78	7.81	7.94	13				
		1	50	7.81	7.78	7.81	7.94	13				
		1	99	7.81	7.78	7.81	7.94	13				
		50	25	6.81	6.74	6.77	6.81	12				
		50	50	6.81	6.69	6.77	6.81	12				
ZSM	CPSC	1	0	7.81	7.77	7.81	7.92	13				
		1	50	7.81	7.77	7.81	7.92	13				
		1	99	7.81	7.77	7.81	7.92	13				
		50	0	6.81	6.74	6.77	6.81	12				
		50	50	6.81	6.69	6.77	6.81	12				
	H2QAM	100	0	6.81	6.78	6.81	6.94	13				
		1	50	6.81	6.78	6.81	6.94	13				
		1	99	6.81	6.78	6.81	6.94	13				
		50	25	5.81	5.74	5.77	5.81	12				
		50	50	5.81	5.69	5.77	5.81	12				
ZSM	CPSC	1	0	6.81	6.77	6.81	6.92	12				
		1	50	6.81	6.77	6.81	6.92	12				
		1	99	6.81	6.77	6.81	6.92	12				
		50	0	5.81	5.74	5.77	5.81	11				
		50	50	5.81	5.69	5.77	5.81	11				
	H2QAM	100	0	5.81	5.78	5.81	5.94	12				
		1	50	5.81	5.78	5.81	5.94	12				
		1	99	5.81	5.78	5.81	5.94	12				
		50	25	4.81	4.74	4.77	4.81	11				
		50	50	4.81	4.69	4.77	4.81	11				
ZSM	CPSC	1	0	5.81	5.77	5.81	5.92	12				
		1	50	5.81	5.77	5.81	5.92	12				
		1	99	5.81	5.77	5.81	5.92	12				
		50	0	4.81	4.74	4.77	4.81	11				
		50	50	4.81	4.69	4.77	4.81	11				
	H2QAM	100	0	4.81	4.78	4.81	4.94					

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	20.66	20.63	20.57	21.5
		1	53	20.58	20.57	20.53	21.5
		1	104	20.59	20.47	20.44	21.5
		50	0	20.59	20.75	20.67	21.5
		50	28	20.59	20.69	20.67	21.5
		50	56	20.77	20.60	20.70	21.5
		100	0	20.67	20.63	20.61	21.5
		1	1	20.83	20.71	20.72	21.5
	DFT-s-OFDM QPSK	1	53	20.65	20.57	20.56	21.5
		1	104	20.31	20.65	20.41	21.5
		50	0	20.09	20.13	20.09	20.5
		50	28	20.80	20.63	20.60	21.5
		50	56	20.26	20.07	19.78	20.5
		100	0	20.18	20.09	20.15	20.5
	DFT-s-OFDM 16QAM	1	1	20.05	20.12	20.40	20.5
	DFT-s-OFDM 64QAM	1	1	18.77	18.78	18.25	19.5
	DFT-s-OFDM 256QAM	1	1	16.15	16.27	16.15	17.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	20.70	20.61	20.63	21.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	20.73	20.56	20.66	21.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	20.79	20.60	20.56	21.5

n5 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.42	23.38	23.46	24.5
		1	53	23.48	23.51	23.45	24.5
		1	104	23.40	23.53	23.41	24.5
		50	0	23.51	23.58	23.52	24.5
		50	28	23.43	23.55	23.52	24.5
		50	56	23.50	23.53	23.56	24.5
		100	0	23.47	23.56	23.57	24.5
		1	1	23.57	23.64	23.55	24.5
	DFT-s-OFDM QPSK	1	53	23.38	23.42	23.48	24.5
		1	104	23.41	23.43	23.42	24.5
		50	0	23.52	23.58	23.50	24.5
		50	28	23.46	23.59	23.49	24.5
		50	56	23.53	23.61	23.51	24.5
		100	0	23.50	23.57	23.54	24.5
	DFT-s-OFDM 16QAM	1	1	23.32	23.43	23.39	24.5
	DFT-s-OFDM 64QAM	1	1	21.68	22.15	22.04	22.5
	DFT-s-OFDM 256QAM	1	1	19.98	19.53	19.54	20.5
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	1	1	23.49	23.62	23.53	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.50	23.55	23.44	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.43	23.51	23.52	24.5

n48 (SCS 30 kHz) (Ant4)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pv2 BPSK	1	1	16.11	16.45	16.64	17
		1	53	16.21	16.49	16.69	17
		1	104	16.41	16.70	16.68	17
		50	0	16.31	16.52	16.76	17
		50	28	16.24	16.53	16.71	17
		50	56	16.28	16.64	16.82	17
		100	0	16.30	16.62	16.78	17
		1	1	16.35	16.73	16.83	17
	DFT-s-OFDM QPSK	1	53	16.21	16.48	16.61	17
		1	104	16.32	16.59	16.71	17
		50	0	16.25	16.64	16.72	17
		50	28	16.16	16.61	16.71	17
		50	56	16.23	16.63	16.71	17
		100	0	16.24	16.62	16.63	17
	DFT-s-OFDM 16QAM	1	53	16.21	16.64	16.72	17
	DFT-s-OFDM 64QAM	1	53	15.65	16.40	16.64	16.5
	DFT-s-OFDM 256QAM	1	53	14.79	15.38	15.62	15.5
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	16.25	16.65	16.65	17
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	16.12	16.50	16.51	17

n66 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM Pv2 BPSK	1	1	19.14	19.10	19.11	20
		1	108	19.13	19.02	19.03	20
		1	214	19.06	18.91	18.95	20
		108	0	18.88	18.50	18.21	19.5
		108	54	18.62	18.51	19.11	20
		108	108	18.84	18.17	18.01	19.5
		216	0	18.74	18.14	18.10	19.5
		1	1	19.19	19.27	19.17	20
	DFT-s-OFDM QPSK	1	108	19.17	18.97	18.87	20
		1	214	19.11	18.93	18.89	20
		108	0	18.27	18.31	18.16	19
		108	54	18.92	19.11	18.94	20
		108	108	18.29	18.26	17.90	19
		216	0	18.13	18.23	18.02	19
	DFT-s-OFDM 16QAM	1	1	18.06	17.80	18.32	19
	DFT-s-OFDM 64QAM	1	1	16.87	16.55	16.16	17.5
	DFT-s-OFDM 256QAM	1	1	14.19	14.53	14.04	15.5
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	19.09	19.12	18.96	20
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	19.00	19.17	18.92	20
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	19.04	19.22	18.93	20
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	18.98	19.24	18.99	20
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	18.96	19.22	19.00	20
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	18.97	19.21	18.99	20

n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		16.68		18
		1	137		16.45		18
		1	271		16.48		18
		135	0		16.57		18
		135	69		16.57		18
		135	138		16.57		18
		270	0		16.60		18
	DFT-s-OFDM QPSK	1	1		16.77		18
		1	137		16.50		18
		1	271		16.57		18
		135	0		16.64		18
		135	69		16.61		18
		135	138		16.69		18
		270	0		16.54		18
	DFT-s-OFDM 16QAM	1	1		16.69		18
	DFT-s-OFDM 64QAM	1	1		16.33		17
	DFT-s-OFDM 256QAM	1	1		14.63		15.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	16.63	16.64	16.66	18
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	16.65	16.78	16.76	18
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	16.64	16.74	16.72	18
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	16.59	16.72	16.72	18
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	16.70	16.69	16.70	18
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	16.58	16.70	16.70	18
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	16.68	16.67	16.69	18
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	16.68	16.66	16.67	18
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	16.58	16.74	16.70	18
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	16.68	16.72	16.73	18
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	16.71	16.75	16.72	18

n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	16.86	17.26	17.41	18
		1	137	16.89	16.88	17.27	18
		1	271	16.84	17.08	17.46	18
		135	0	16.81	17.00	17.31	18
		135	69	16.90	17.06	17.25	18
		135	138	16.85	17.04	17.44	18
		270	0	16.80	16.95	17.30	18
	DFT-s-OFDM QPSK	1	1	16.99	17.47	17.58	18
		1	137	16.84	17.38	17.33	18
		1	271	16.87	17.32	17.45	18
		135	0	16.81	17.29	17.34	18
		135	69	16.89	17.19	17.24	18
		135	138	16.95	17.36	17.39	18
		270	0	16.76	17.26	17.27	18
	DFT-s-OFDM 16QAM	1	1	16.89	17.02	16.95	18
	DFT-s-OFDM 64QAM	1	1	16.89	16.79	16.88	17
	DFT-s-OFDM 256QAM	1	1	15.52	15.03	15.15	15.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	16.90	17.49	17.43	18
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3938.99	
80M	DFT-s-OFDM QPSK	1	1	16.86	17.40	17.49	18
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	16.97	17.51	17.52	18
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	16.93	17.41	17.55	18
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	16.87	17.53	17.54	18
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	16.94	17.42	17.53	18
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	16.88	17.49	17.47	18
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	16.86	17.41	17.55	18
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	16.97	17.53	17.41	18
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	16.90	17.50	17.42	18
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	16.84	17.41	17.43	18

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/V2 BPSK	1	1		19.77		21
		1	137		19.43		21
		1	271		19.53		21
		135	0		19.13		20.5
		135	69		19.49		21
		135	138		19.02		20.5
		270	0		19.06		20.5
	DFT-s-OFDM QPSK	1	1		19.83		21
		1	137		19.45		21
		1	271		19.49		21
		135	0		18.68		20
		135	69		19.49		21
		135	138		18.46		20
		270	0		18.63		20
	DFT-s-OFDM 16QAM	1	1		18.64		20
	DFT-s-OFDM 64QAM	1	1		17.06		18.5
	DFT-s-OFDM 256QAM	1	1		15.02		16.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	19.82	19.75	19.76	21
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	19.80	19.80	19.77	21
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	19.69	19.79	19.75	21
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	19.70	19.69	19.67	21
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	19.71	19.78	19.78	21
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	19.78	19.67	19.75	21
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	19.80	19.68	19.74	21
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	19.76	19.76	19.72	21
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	19.71	19.80	19.73	21
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	19.73	19.77	19.66	21
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	19.73	19.79	19.77	21

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/V2 BPSK	1	1	19.97	20.07	20.37	21
		1	137	19.87	19.94	20.37	21
		1	271	19.98	20.24	20.30	21
		135	0	19.42	19.35	19.80	20.5
		135	69	19.83	19.87	20.20	21
		135	138	19.58	19.60	19.98	20.5
		270	0	19.52	19.55	19.82	20.5
	DFT-s-OFDM QPSK	1	1	20.05	20.31	20.55	21
		1	137	19.96	19.94	20.37	21
		1	271	19.98	20.19	20.53	21
		135	0	18.92	19.10	19.26	20
		135	69	19.92	19.95	20.35	21
		135	138	19.04	19.28	19.54	20
		270	0	18.87	19.02	19.39	20
	DFT-s-OFDM 16QAM	1	1	18.75	19.13	19.12	20
	DFT-s-OFDM 64QAM	1	1	17.01	17.14	17.41	18.5
	DFT-s-OFDM 256QAM	1	1	14.71	14.96	15.11	16.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	19.98	20.15	20.51	21
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3935.99	
80M	DFT-s-OFDM QPSK	1	1	19.95	20.19	20.42	21
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	19.90	20.23	20.49	21
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	19.94	20.26	20.43	21
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	19.94	20.13	20.52	21
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	19.91	20.22	20.44	21
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	20.00	20.25	20.51	21
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	19.97	20.19	20.42	21
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	19.94	20.25	20.54	21
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	19.89	20.25	20.45	21
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	20.01	20.21	20.40	21

CA_8A (Ant2)										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power
20450	829	20549	838.9	QPSK	1	49	1	0	24.87	25.5
				16QAM	1	49	1	0	23.97	24.5
				64QAM	1	49	1	0	21.35	23.5
				256QAM	1	49	1	0	19.93	20.5
				QPSK	1	49	1	0	24.81	25.5
20476	831.6	20575	841.5	16QAM	1	49	1	0	23.02	24.5
				64QAM	1	49	1	0	21.30	23.5
				256QAM	1	49	1	0	19.99	20.5
				QPSK	1	49	1	0	24.74	25.5
				16QAM	1	49	1	0	23.91	24.5
20501	834.1	20600	844	64QAM	1	49	1	0	21.37	23.5
				256QAM	1	49	1	0	19.96	20.5
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power
20450	829	20522	836.2	QPSK	1	49	1	0	24.79	25.5
				16QAM	1	49	1	0	23.91	24.5
				64QAM	1	49	1	0	21.21	23.5
				256QAM	1	49	1	0	19.81	20.5
				QPSK	1	49	1	0	24.82	25.5
20500	834	20572	841.2	16QAM	1	49	1	0	22.98	24.5
				64QAM	1	49	1	0	21.26	23.5
				256QAM	1	49	1	0	19.90	20.5
				QPSK	1	49	1	0	24.65	25.5
				64QAM	1	49	1	0	21.28	23.5
20550	839	20622	846.2	256QAM	1	49	1	0	19.98	20.5
Combination 5MHz+10MHz (25RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power
20428	826.9	20500	834	QPSK	1	24	1	0	24.77	25.5
				16QAM	1	24	1	0	23.93	24.5
				64QAM	1	24	1	0	21.19	23.5
				256QAM	1	24	1	0	19.79	20.5
				QPSK	1	24	1	0	24.05	25.5
20478	831.8	20550	839	16QAM	1	24	1	0	22.94	24.5
				64QAM	1	24	1	0	21.11	23.5
				256QAM	1	24	1	0	19.89	20.5
				QPSK	1	24	1	0	23.79	24.5
				64QAM	1	24	1	0	21.25	23.5
20528	836.8	20600	844	256QAM	1	24	1	0	19.89	20.5
Combination 5MHz+5MHz (25RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power
20425	826.5	20464	830.4	QPSK	1	24	1	0	24.83	25.5
				16QAM	1	24	1	0	23.94	24.5
				64QAM	1	24	1	0	21.26	23.5
				256QAM	1	24	1	0	19.73	20.5
				QPSK	1	24	1	0	24.63	25.5
20510	836	20549	838.9	16QAM	1	24	1	0	22.95	24.5
				64QAM	1	24	1	0	21.10	23.5
				256QAM	1	24	1	0	19.83	20.5
				QPSK	1	24	1	0	24.82	25.5
				16QAM	1	24	1	0	23.97	24.5
20595	843.5	20634	847.4	64QAM	1	24	1	0	21.20	23.5
				256QAM	1	24	1	0	19.74	20.5
Combination 3MHz+5MHz (15RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power
20416	825.6	20455	829.5	QPSK	1	14	1	0	24.80	25.5
				16QAM	1	14	1	0	23.89	24.5
				64QAM	1	14	1	0	21.15	23.5
				256QAM	1	14	1	0	19.87	20.5
				QPSK	1	14	1	0	24.58	25.5
20501	834.1	20540	838	16QAM	1	14	1	0	22.88	24.5
				64QAM	1	14	1	0	21.01	23.5
				256QAM	1	14	1	0	19.82	20.5
				QPSK	1	14	1	0	24.57	25.5
				16QAM	1	14	1	0	23.73	24.5
20586	842.6	20625	846.5	64QAM	1	14	1	0	21.25	23.5
				256QAM	1	14	1	0	19.86	20.5

CA_6B (Ant1)										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power
132022	1715	132121	1724.9	QPSK	1	49	1	0	19.90	20.5
				16QAM	1	49	1	0	19.45	19.5
				64QAM	1	49	1	0	17.78	18.5
				256QAM	1	49	1	0	15.20	15.5
				QPSK	1	49	1	0	17.67	18.5
132373	1750.1	132472	1760	16QAM	1	49	1	0	19.26	19.5
				64QAM	1	49	1	0	17.73	18.5
				256QAM	1	49	1	0	15.12	15.5
				QPSK	1	49	1	0	19.79	20.5
				16QAM	1	49	1	0	19.27	19.5
132523	1765.1	132622	1775	64QAM	1	49	1	0	17.67	18.5
				256QAM	1	49	1	0	15.18	15.5
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power
132047	1717.5	132146	1726.8	QPSK	1	74	1	0	19.92	20.5
				16QAM	1	74	1	0	19.42	19.5
				64QAM	1	74	1	0	17.78	18.5
				256QAM	1	74	1	0	15.18	15.5
				QPSK	1	74	1	0	19.95	20.5
132398	1752.6	132491	1761.9	16QAM	1	74	1	0	19.38	19.5
				64QAM	1	74	1	0	17.83	18.5
				256QAM	1	74	1	0	15.12	15.5
				QPSK	1	74	1	0	19.84	20.5
				16QAM	1	74	1	0	19.26	19.5
132549	1757.7	132642	1777	64QAM	1	74	1	0	17.67	18.5
				256QAM	1	74	1	0	15.12	15.5
Combination 15MHz+10MHz (75RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power
132002	1713	132095	1722.3	QPSK	1	24	1	0	19.94	20.5
				16QAM	1	24	1	0	19.37	19.5
				64QAM	1	24	1	0	17.77	18.5
				256QAM	1	24	1	0	15.24	15.5
				QPSK	1	24	1	0	19.93	20.5
132353	1748.1	132446	1757.4	16QAM	1	24	1	0	19.36	19.5
				64QAM	1	24	1	0	17.71	18.5
				256QAM	1	24	1	0	15.05	15.5
				QPSK	1	24	1	0	19.92	20.5
				16QAM	1	24	1	0	19.21	19.5
132504	1763.2	132597	1772.5	64QAM	1	24	1	0	17.74	18.5
				256QAM	1	24	1	0	15.17	15.5
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power
132022	1715	132094	1722.2	QPSK	1	49	1	0	19.99	20.5
				16QAM	1	49	1	0	19.50	19.5
				64QAM	1	49	1	0	17.84	18.5
				256QAM	1	49	1	0	15.20	15.5
				QPSK	1	49	1	0	19.93	20.5
132397	1752.5	132489	1759.7	16QAM	1	49	1	0	19.37	19.5
				64QAM	1	49	1	0	17.80	18.5
				256QAM	1	49	1	0	15.15	15.5
				QPSK	1	49	1	0	19.83	20.5
				16QAM	1	49	1	0	19.21	19.5
132572	1770	132644	1777.2	64QAM	1	49	1	0	17.65	18.5
				256QAM	1	49	1	0	15.21	15.5
Combination 5MHz+10MHz (25RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power
132000	1712.8	132072	1720	QPSK	1	24	1	0	19.94	20.5
				16QAM	1	24	1	0	19.39	19.5
				64QAM	1	24	1	0	17.73	18.5
				256QAM	1	24	1	0	15.14	15.5
				QPSK	1	24	1	0	19.92	20.5
132375	1750.3	132447	1757.5	16QAM	1	24	1	0	19.30	19.5
				64QAM	1	24	1	0	17.75	18.5
				256QAM	1	24	1	0	15.04	15.5
				QPSK	1	24	1	0	19.91	20.5
				16QAM	1	24	1	0	19.25	19.5
132550	1767.8	132622	1775	64QAM	1	24	1	0	17.72	18.5
				256QAM	1	24	1	0	15.14	15.5
Combination 5MHz+5MHz (25RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSCC RB Size	RSCC RB offset	RSCC RB Size	RSCC RB offset	Measured Power (dBm)	Max. Turn-up Power
131997	1712.5	132045	1717.3	QPSK	1	24	1	0	19.98	20.5
				16QAM	1	24	1	0	19.50	19.5
				64QAM	1	24	1	0	17.80	18.5
				256QAM	1	24	1	0	15.18	15.5
				QPSK	1	24	1	0	19.93	20.5
132396	1751.5	132446	1752.3	16QAM	1	24	1	0	17.81	18.5
				64QAM	1	24	1	0	17.85	18.5
				256QAM	1	24	1	0	15.05	15.5
				QPSK	1	24	1	0	19.91	20.5
				16QAM	1	24	1	0	19.24	19.5
132599	1772.1	132647	1777.5	64QAM	1	24	1	0	17.78	18.5
				256QAM	1	24	1	0	15.18	15.5

CA 48C (Ann4)									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB Size offset	RB Size	RB offset	Max. Time up Power
50340	3560	50538	3579.8	QPSK	1	99	1	0	19.42
				16QAM	1	99	1	0	18.40
				64QAM	1	99	1	0	17.37
				256QAM	1	99	1	0	14.43
50891	3615.1	50889	3634.9	QPSK	1	99	1	0	19.40
				16QAM	1	99	1	0	18.48
				64QAM	1	99	1	0	17.59
				256QAM	1	99	1	0	14.53
56442	3670.2	56640	3690	QPSK	1	99	1	0	19.56
				16QAM	1	99	1	0	18.52
				64QAM	1	99	1	0	17.60
				256QAM	1	99	1	0	14.54
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB Size offset	RB Size	RB offset	Max. Time up Power
50340	3560	50511	3577.1	QPSK	1	99	1	0	19.36
				16QAM	1	99	1	0	18.37
				64QAM	1	99	1	0	17.50
				256QAM	1	99	1	0	14.25
50916	3617.6	50907	3634.7	QPSK	1	99	1	0	19.50
				16QAM	1	99	1	0	18.59
				64QAM	1	99	1	0	17.60
				256QAM	1	99	1	0	14.48
56491	3675.1	56652	3692.2	QPSK	1	99	1	0	19.42
				16QAM	1	99	1	0	18.40
				64QAM	1	99	1	0	17.53
				256QAM	1	99	1	0	14.61
Combination 15MHz+20MHz (74RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB Size offset	RB Size	RB offset	Max. Time up Power
50318	3557.8	50489	3574.9	QPSK	1	74	1	0	19.23
				16QAM	1	74	1	0	18.38
				64QAM	1	74	1	0	17.48
				256QAM	1	74	1	0	14.41
50883	3615.3	50604	3632.4	QPSK	1	74	1	0	19.33
				16QAM	1	74	1	0	18.40
				64QAM	1	74	1	0	17.40
				256QAM	1	74	1	0	14.38
56469	3672.8	56640	3690	QPSK	1	74	1	0	19.40
				16QAM	1	74	1	0	18.43
				64QAM	1	74	1	0	17.48
				256QAM	1	74	1	0	14.50
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB Size offset	RB Size	RB offset	Max. Time up Power
50340	3560	50484	3574.4	QPSK	1	99	1	0	19.33
				16QAM	1	99	1	0	18.41
				64QAM	1	99	1	0	17.40
				256QAM	1	99	1	0	14.34
50941	3620.1	50682	3634.5	QPSK	1	99	1	0	19.40
				16QAM	1	99	1	0	18.50
				64QAM	1	99	1	0	17.47
				256QAM	1	99	1	0	14.45
56541	3680.1	56680	3694.5	QPSK	1	99	1	0	19.51
				16QAM	1	99	1	0	18.52
				64QAM	1	99	1	0	17.65
				256QAM	1	99	1	0	14.62
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB Size offset	RB Size	RB offset	Max. Time up Power
50296	3558.8	50439	3569.9	QPSK	1	49	1	0	19.36
				16QAM	1	49	1	0	18.41
				64QAM	1	49	1	0	17.41
				256QAM	1	49	1	0	14.34
50896	3615.6	50640	3630	QPSK	1	49	1	0	19.41
				16QAM	1	49	1	0	18.39
				64QAM	1	49	1	0	17.47
				256QAM	1	49	1	0	14.34
56496	3675.6	56640	3690	QPSK	1	49	1	0	19.43
				16QAM	1	49	1	0	18.39
				64QAM	1	49	1	0	17.49
				256QAM	1	49	1	0	14.35
Combination 20MHz+5MHz (100RB+25RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB Size offset	RB Size	RB offset	Max. Time up Power
50340	3560	50457	3571.7	QPSK	1	99	1	0	19.39
				16QAM	1	99	1	0	18.40
				64QAM	1	99	1	0	17.40
				256QAM	1	99	1	0	14.37
50965	3622.5	50682	3634.2	QPSK	1	99	1	0	19.40
				16QAM	1	99	1	0	18.47
				64QAM	1	99	1	0	17.46
				256QAM	1	99	1	0	14.27
56090	3685	56707	3695.7	QPSK	1	99	1	0	19.59
				16QAM	1	99	1	0	18.49
				64QAM	1	99	1	0	17.41
				256QAM	1	99	1	0	14.61
Combination 5MHz+20MHz (25RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB Size offset	RB Size	RB offset	Max. Time up Power
50273	3553.3	50390	3565	QPSK	1	24	1	0	19.17
				16QAM	1	24	1	0	18.30
				64QAM	1	24	1	0	17.37
				256QAM	1	24	1	0	14.37
50898	3615.8	50610	3627.8	QPSK	1	24	1	0	19.40
				16QAM	1	24	1	0	18.30
				64QAM	1	24	1	0	17.45
				256QAM	1	24	1	0	14.44
56523	3678.3	56640	3690	QPSK	1	24	1	0	19.47
				16QAM	1	24	1	0	18.57
				64QAM	1	24	1	0	17.56
				256QAM	1	24	1	0	14.50

CA 48B (Ann4)									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Time up Power
50290	3555	50389	3564.9	QPSK	1	49	1	0	19.36
				16QAM	1	49	1	0	18.39
				64QAM	1	49	1	0	17.41
				256QAM	1	49	1	0	14.36
50341	3630.1	56140	3640	QPSK	1	49	1	0	19.44
				16QAM	1	49	1	0	18.34
				64QAM	1	49	1	0	17.49
				256QAM	1	49	1	0	14.45
50391	3685.1	50590	3695	QPSK	1	49	1	0	19.67
				16QAM	1	49	1	0	18.43
				64QAM	1	49	1	0	17.60
				256QAM	1	49	1	0	14.45

Sensor on&Hotspot_DS16&8_Sim-Tx

n48 (SCS 30 kHz) (Ant3)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pv2 BPSK	1	1	22.99	23.45	23.65	24
		1	53	23.18	23.49	23.55	24
		1	104	23.31	23.71	23.73	24
		50	0	23.24	23.46	23.60	24
		50	28	23.27	23.48	23.72	24
		50	56	23.23	23.60	23.68	24
		100	0	23.15	23.54	23.61	24
		1	1	23.34	23.66	23.87	24
	DFT-s-OFDM QPSK	1	53	23.03	23.41	23.63	24
		1	104	23.18	23.53	23.62	24
		50	0	23.19	23.49	23.71	24
		50	28	23.12	23.47	23.54	24
		50	56	23.13	23.48	23.70	24
		100	0	23.09	23.56	23.59	24
	DFT-s-OFDM 16QAM	1	53	23.08	23.38	23.59	24
	DFT-s-OFDM 64QAM	1	53	22.97	23.13	23.11	23.5
	DFT-s-OFDM 256QAM	1	53	21.59	21.83	21.97	22.5
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	23.26	23.64	23.74	24
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	23.24	23.62	23.84	24

n48 (SCS 30 kHz) (Ant6)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pv2 BPSK	1	1	22.19	22.51	22.71	23
		1	53	22.08	22.43	22.64	23
		1	104	22.20	22.62	22.60	23
		50	0	22.22	22.49	22.74	23
		50	28	22.19	22.53	22.71	23
		50	56	22.31	22.62	22.70	23
		100	0	22.18	22.55	22.73	23
		1	1	22.53	22.66	22.75	23
	DFT-s-OFDM QPSK	1	53	22.16	22.48	22.59	23
		1	104	22.25	22.56	22.55	23
		50	0	22.43	22.60	22.64	23
		50	28	22.10	22.56	22.56	23
		50	56	22.22	22.43	22.58	23
		100	0	22.21	22.43	22.46	23
	DFT-s-OFDM 16QAM	1	53	22.13	22.47	22.66	23
	DFT-s-OFDM 64QAM	1	53	21.92	22.21	22.16	22.5
	DFT-s-OFDM 256QAM	1	53	20.61	20.82	20.87	21.5
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	22.27	22.52	22.64	23
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	22.25	22.58	22.60	23

n48 (SCS 30 kHz) (Ant8)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM P/2 BPSK	1	1	20.32	20.63	20.77	21
		1	53	20.18	20.42	20.63	21
		1	104	20.25	20.62	20.60	21
		50	0	20.17	20.45	20.61	21
		50	28	20.20	20.53	20.63	21
		50	56	20.21	20.51	20.72	21
		100	0	20.18	20.46	20.73	21
		1	1	20.35	20.71	20.78	21
	DFT-s-OFDM QPSK	1	53	20.07	20.43	20.61	21
		1	104	20.32	20.52	20.66	21
		50	0	20.29	20.60	20.67	21
		50	28	20.16	20.52	20.60	21
		50	56	20.25	20.42	20.59	21
		100	0	20.12	20.55	20.57	21
	DFT-s-OFDM 16QAM	1	53	20.22	20.37	20.62	21
	DFT-s-OFDM 64QAM	1	53	19.96	20.11	20.22	20.5
	DFT-s-OFDM 256QAM	1	53	18.55	18.80	18.98	19.5
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	20.33	20.67	20.63	21
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	20.31	20.57	20.66	21

n77 (SCS 30 kHz) 3450~3550MHz (Ant3) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		21.98		23.5
		1	137		21.82		23.5
		1	271		21.93		23.5
		135	0		22.14		23.5
		135	69		21.99		23.5
		135	138		21.90		23.5
		270	0		21.94		23.5
		1	1		22.19		23.5
	DFT-s-OFDM QPSK	1	137		22.01		23.5
		1	271		21.91		23.5
		135	0		20.00		23.5
		135	69		22.03		23.5
		135	138		22.01		23.5
		270	0		22.09		23.5
	DFT-s-OFDM 16QAM	1	1		22.00		23.5
	DFT-s-OFDM 64QAM	1	1		21.62		22.5
	DFT-s-OFDM 256QAM	1	1		20.13		21.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	22.08	22.18	22.14	23.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	22.02	22.11	22.11	23.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	22.06	22.13	22.04	23.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	22.07	22.15	22.06	23.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	22.06	22.13	22.04	23.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	22.05	22.16	22.13	23.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	21.97	22.05	22.04	23.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	21.96	22.16	22.11	23.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	21.97	22.05	22.04	23.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	21.96	22.16	22.11	23.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	21.97	22.05	22.04	23.5

n77 (SCS 30 kHz) 3700–3980MHz (Ant3) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	21.94	22.45	22.56	23.5
		1	137	21.88	22.15	22.60	23.5
		1	271	22.05	22.27	22.72	23.5
		135	0	22.06	22.07	22.37	23.5
		135	69	22.01	22.23	22.50	23.5
		135	138	22.15	22.10	22.44	23.5
		270	0	22.14	22.00	22.45	23.5
		1	1	22.17	22.71	22.73	23.5
	DFT-s-OFDM QPSK	1	137	22.00	22.55	22.41	23.5
		1	271	22.02	22.47	22.46	23.5
		135	0	22.07	22.51	22.49	23.5
		135	69	22.09	22.53	22.58	23.5
		135	138	22.05	22.50	22.43	23.5
		270	0	21.91	22.50	22.54	23.5
	DFT-s-OFDM 16QAM	1	1	22.02	22.22	22.05	23.5
	DFT-s-OFDM 64QAM	1	1	21.96	22.07	22.06	22.5
	DFT-s-OFDM 256QAM	1	1	20.75	20.23	20.20	21.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	22.08	22.70	22.58	23.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	21.95	22.65	22.48	23.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	22.06	22.55	22.55	23.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	21.95	22.65	22.48	23.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	22.03	22.61	22.57	23.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	21.96	22.67	22.51	23.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	22.03	22.61	22.57	23.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	21.96	22.67	22.51	23.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	22.03	22.61	22.57	23.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	21.96	22.67	22.51	23.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	22.03	22.61	22.57	23.5

n77 (SCS 30 kHz) 3450–3550MHz (Ant6) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		20.21		21
		1	137		20.11		21
		1	271		20.23		21
		135	0		20.52		21
		135	69		20.34		21
		135	138		20.25		21
		270	0		20.18		21
		1	1		20.54		21
	DFT-s-OFDM QPSK	1	137		20.39		21
		1	271		20.23		21
		135	0		20.30		21
		135	69		20.36		21
		135	138		20.30		21
		270	0		20.32		21
	DFT-s-OFDM 16QAM	1	1		20.21		21
	DFT-s-OFDM 64QAM	1	1		19.81		20.5
	DFT-s-OFDM 256QAM	1	1		18.59		19.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	20.47	20.52	20.51	21
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	20.35	20.47	20.47	21
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	20.44	20.38	20.43	21
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	20.37	20.44	20.49	21
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	20.41	20.50	20.44	21
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	20.41	20.39	20.46	21
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	20.35	20.37	20.42	21
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	20.44	20.37	20.40	21
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	20.33	20.37	20.46	21
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	20.38	20.40	20.41	21
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	20.32	20.46	20.41	21

n77 (SCS 30 kHz) 3700–3980MHz (Ant6) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	20.11	19.79	19.43	21
		1	137	20.11	19.64	19.29	21
		1	271	20.31	19.70	19.47	21
		135	0	19.77	19.69	19.53	21
		135	69	19.93	19.72	19.42	21
		135	138	19.90	19.57	19.57	21
		270	0	20.01	19.49	19.52	21
		1	1	20.34	20.15	19.67	21
	DFT-s-OFDM QPSK	1	137	19.93	20.00	19.50	21
		1	271	19.97	19.97	19.53	21
		135	0	20.06	20.01	19.53	21
		135	69	20.08	20.04	19.66	21
		135	138	19.92	19.94	19.57	21
		270	0	19.95	19.89	19.39	21
	DFT-s-OFDM 16QAM	1	1	19.59	19.55	19.43	21
	DFT-s-OFDM 64QAM	1	1	19.49	19.60	19.31	20.5
	DFT-s-OFDM 256QAM	1	1	17.58	17.80	18.27	19.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	20.27	20.11	19.59	21
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	20.29	20.03	19.66	21
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	20.32	20.02	19.60	21
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	20.29	20.13	19.61	21
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	20.32	20.09	19.54	21
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	20.19	20.00	19.58	21
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	20.21	20.13	19.61	21
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	20.25	20.07	19.66	21
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	20.27	20.01	19.52	21
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	20.32	20.12	19.62	21
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	20.33	20.14	19.52	21

n77 (SCS 30 kHz) 3450–3550MHz (Ant8) for FCC							
BW	MCS Index	RB Size	RB Offset	Channel	Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		18.86		20.5
		1	137		18.75		20.5
		1	271		18.86		20.5
		135	0		19.20		20.5
		135	69		19.05		20.5
		135	138		18.88		20.5
		270	0		18.80		20.5
	DFT-s-OFDM QPSK	1	1		19.21		20.5
		1	137		19.05		20.5
		1	271		18.84		20.5
		135	0		18.99		20.5
		135	69		19.12		20.5
		135	138		18.95		20.5
		270	0		19.05		20.5
	DFT-s-OFDM 16QAM	1	1		18.91		20.5
	DFT-s-OFDM 64QAM	1	1		18.72		19.5
	DFT-s-OFDM 256QAM	1	1		17.30		18.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	19.17	19.20	19.18	20.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	19.04	19.09	19.08	20.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	19.10	19.05	19.06	20.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	19.13	19.06	19.15	20.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	19.07	19.07	19.16	20.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	19.11	19.14	19.03	20.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	19.06	19.05	19.03	20.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	19.16	19.09	19.15	20.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	19.13	19.17	19.11	20.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	19.06	19.05	19.03	20.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	19.13	19.17	19.13	20.5

Receiver off_DSH_ENDCASim-Tx

LTE Band 2 (Ann1)										
BW	Modulation	Channel	RB Size	RB Offset	Low	Mid	High	Max. Tx Power (dBm)		
			Frequency (MHz)	1980	1980	1980	1980			
CPSC		1	0	21.23	21.16	21.17	22.5			
		1	50	21.34	21.28	21.29	22.5			
		1	99	21.19	21.14	21.21	22.5			
		50	0	20.23	20.27	20.22	21.5			
		50	50	20.34	20.24	20.21	21.5			
		50	50	20.46	20.45	20.38	21.5			
		100	0	20.39	20.18	20.37	21.5			
		1	0	20.42	20.42	20.47	21.5			
		1	99	20.54	20.65	20.58	21.5			
		50	50	19.36	19.36	19.39	20.5			
HSCM		50	50	19.36	19.36	19.37	20.5			
		100	0	19.35	19.49	19.38	20.5			
		1	0	19.46	19.38	19.32	20.5			
		1	50	19.21	19.27	19.40	20.5			
		1	99	19.43	19.31	19.30	20.5			
		50	0	19.31	19.34	19.23	19.5			
		50	50	19.35	19.25	19.32	19.5			
		100	0	19.39	19.28	19.41	19.5			
		1	0	19.37	19.35	19.41	19.5			
		1	99	19.37	19.38	19.36	17.5			
E2SCM		1	50	19.37	19.38	19.36	17.5			
		50	50	19.36	19.36	19.30	17.5			
		50	25	19.47	19.31	19.35	17.5			
		50	50	19.42	19.40	19.42	17.5			
		100	0	19.40	19.37	19.33	17.5			
		1	0	19.43	19.35	19.38	17.5			
		1	37	19.33	19.17	19.28	17.5			
		1	74	19.35	19.28	19.18	17.5			
		38	0	19.25	19.15	19.27	20.5			
		38	19	19.26	19.16	19.27	20.5			
HSCM		38	0	19.25	19.15	19.27	20.5			
		38	19	19.26	19.16	19.27	20.5			
		75	0	19.25	19.15	19.23	20.5			
		1	0	19.25	19.15	19.19	20.5			
		1	37	19.27	19.17	19.28	20.5			
		1	74	19.35	19.28	19.18	20.5			
		38	0	19.20	19.28	19.12	19.5			
		38	19	19.23	19.20	19.25	19.5			
		75	0	19.26	19.24	19.20	19.5			
		1	0	19.28	19.24	19.34	19.5			
E2SCM		1	0	19.25	19.25	19.28	19.5			
		1	37	19.27	19.20	19.26	17.5			
		1	74	19.31	19.25	19.32	17.5			
		38	19	19.33	19.31	19.25	17.5			
		38	38	19.34	19.32	19.31	17.5			
		75	0	19.31	19.21	19.22	20.5			
		1	0	19.35	19.26	19.31	20.5			
		1	24	19.27	19.17	19.25	20.5			
		1	49	19.39	19.22	19.30	20.5			
		25	0	19.26	19.12	19.14	19.5			
HSCM		25	0	19.16	19.11	19.12	19.5			
		25	25	19.34	19.31	19.31	20.5			
		25	0	19.31	19.21	19.22	20.5			
		1	0	19.35	19.28	19.31	20.5			
		1	24	19.27	19.17	19.25	20.5			
		1	49	19.39	19.22	19.30	20.5			
		25	0	19.26	19.12	19.14	19.5			
		25	25	19.34	19.31	19.31	20.5			
		25	0	19.31	19.21	19.22	20.5			
		1	0	19.35	19.26	19.31	20.5			
E2SCM		1	24	19.27	19.17	19.25	20.5			
		1	49	19.39	19.22	19.30	20.5			
		25	0	19.26	19.12	19.14	19.5			
		25	25	19.34	19.31	19.31	20.5			
		25	0	19.31	19.21	19.22	20.5			
		1	0	19.35	19.28	19.31	20.5			
		1	24	19.27	19.17	19.25	20.5			
		1	49	19.39	19.22	19.30	20.5			
		25	0	19.26	19.12	19.14	19.5			
		25	25	19.34	19.31	19.31	20.5			
BW	Modulation	Channel	1980	1980	1980	Max. Tx Power (dBm)				
		Frequency (MHz)	1980	1980	1980	23dBm				
		1	24	21.04	21.06	21.19	22.5			
		1	48	21.16	21.13	21.14	22.5			
		1	48	21.16	21.13	21.14	22.5			
		25	12	20.21	20.23	20.19	21.5			
		25	25	20.38	20.18	20.26	21.5			
		80	0	20.23	20.18	20.23	21.5			
		21	0	20.34	20.32	20.34	21.5			
		1	24	20.43	20.39	20.48	21.5			
CPSC		1	49	20.34	20.50	20.32	21.5			
		1	99	19.16	19.14	19.15	20.5			
		25	12	19.21	19.19	19.25	20.5			
		25	25	19.34	19.31	19.31	20.5			
		25	0	19.31	19.21	19.22	20.5			
		1	0	19.35	19.28	19.31	20.5			
		1	24	19.27	19.17	19.25	20.5			
		1	49	19.39	19.22	19.30	20.5			
		25	0	19.26	19.12	19.14	19.5			
		25	25	19.34	19.31	19.31	20.5			
HSCM		25	0	19.31	19.21	19.22	20.5			
		1	0	19.35	19.28	19.31	20.5			
		1	24	19.27	19.17	19.25	20.5			
		1	49	19.39	19.22	19.30	20.5			
		25	0	19.26	19.12	19.14	19.5			
		25	25	19.34	19.31	19.31	20.5			
		25	0	19.31	19.21	19.22	20.5			
		1	0	19.35	19.28	19.31	20.5			
		1	24	19.27	19.17	19.25	20.5			
		1	49	19.39	19.22	19.30	20.5			
E2SCM		25	0	19.26	19.12	19.14	19.5			
		25	25	19.34	19.31	19.31	20.5			
		25	0	19.31	19.21	19.22	20.5			
		1	0	19.35	19.28	19.31	20.5			
		1	24	19.27	19.17	19.25	20.5			
		1	49	19.39	19.22	19.30	20.5			
		25	0	19.26	19.12	19.14	19.5			
		25	25	19.34	19.31	19.31	20.5			
		25	0	19.31	19.21	19.22	20.5			
		1	0	19.35	19.28	19.31	20.5			
BW	Modulation	Channel	1980	1980	1980	Max. Tx Power (dBm)				
		Frequency (MHz)	1980	1980	1980	23dBm				
		1	21	21.02	21.14	21.19	22.5			
		1	12	21.17	21.20	21.11	22.5			
		1	24	21.07	21.06	21.04	22.5			
		12	0	20.12	20.11	20.20	21.5			
		12	6	20.20	20.17	20.22	21.5			
		12	13	20.27	20.16	20.24	21.5			
		25	0	20.32	20.18	20.22	21.5			
		7	0	20.38	20.45	20.25	21.5			
CPSC		1	0	20.37	20.43	20.25	21.5			
		1	24	20.47	20.43	20.29	21.5			
		12	0	19.26	19.10	19.11	20.5			
		12	12	19.35	19.27	19.36	20.5			
		12	13	19.34	19.29	19.30	20.5			
		25	0	19.26	19.11	19.15	20.5			
		12	12	19.33	19.23	19.28	20.5			
		1	12	19.30	19.26	19.26	20.5			
		1	24	19.30	19.28	19.24	20.5			
		12	0	19.23	19.11	19.13	19.5			
HSCM		12	6	19.29	19.13	19.23	19.5			
		12	6	19.29	19.13	19.23	19.5			
		12	13	19.34	19.17	19.22	19.5			
		12	13	19.35	19.23	19.28	19.5			
		1	0	19.20	19.24	19.18	17.5			
		1	1	19.26	19.26	19.31	17.5			
		1	24	19.31	19.30	19.22	17.5			
		12	0	19.21	19.23	19.17	17.5			
		12	6	19.23	19.23	19.26	17.5			
		12	13	19.35	19.34	19.19	17.5			
E2SCM		25	0	19.32	19.32	19.23	17.5			
		25	0	19.32	19.32	19.23	17.5			
		25	12	19.35	19.34	19.24	20.5			
		25	12	19.31	19.32	19.23	20.5			
		1	14	19.41	19.23	19.21	20.5			
		8	0	19.24	19.10	19.10	19.5			
		8	7	19.35	19.23	19.30	19.5			
		15	0	19.24	19.18	19.21	19.5			
		1	0	19.17	19.17	19.26	17.5			
		1	7	19.29	19.22	19.27	17.5			
E2SCM		1	14	19.30	19.26	19.22	17.5			
		1	14	19.30	19.26	19.22	17.5			
		8	0	19.32	19.30	19.11	17.5			
		8	3	19.32	19.31	19.23	17.5			
		7	0	19.26	19.24	19.31	17.5			
		15	0	19.19	19.32	19.21	17.5			
		1	0	19.28	19.34	19.24	20.5			
		1	14	19.31	19.23	19.21	20.5			
		8	0	19.24	19.10	19.10	19.5			
		8	7	19.35	19.23	19.30	19.5			
HSCM		15	0	19.24	19.18	19.21	19.5			
		1	0	19.17	19.17	19.26	17.5			
		1	7	19.29	19.22	19.27	17.5			
		1	14	19.30	19.26	19.22	17.5			
		8	0	19.32	19.30	19.11	17.5			
		8	3	19.32	19.31	19.23	17.5			
		7	0	19.26	19.24	19.31	17.5			
		15	0	19.19	19.32	19.21	17.5			
		1	0	19.28	19.34	19.24	20.5			
		1	14	19.31	19.23	19.21	20.5			
E2SCM		8	0	19.24	19.10	19.10	19.5			
		8	7	19.35	19.23	19.30	19.5			
		15	0	19.24	19.18	19.21	19.5			
		1	0	19.17	19.17	19.26	17.5			
		1	7	19.29	19.22	19.27	17.5			
		1	14	19.30	19.26	19.22	17.5			
		8	0	19.32	19.30	19.11	17.5			
		8	3	19.32	19.31	19.23	17.5			
	7	0	19.26	19.24	19.31	17.5				
E2SCM		15	0	19.19	19.32	19.21	17.5			
		1	0	19.28	19.34	19.24	20.5			
		1	14	19.31	19.23	19.21	20.5			
		8	0	19.24	19.10	19.10	19.5			
		8	7	19.35	19.23	19.30	19.5			
		15	0	19.24	19.18	19.21	19.5			
		1	0	19.17	19.17	19.26	17.5			
		1	7	19.29	19.22	19.27	17.5			
	1	14	19.30	19.26	19.22	17.5				
E2SCM		8	0	19.32	19.30	19.11	17.5			
		8	3	19.32	19.31	19.23	17.5			
		7	0	19.26	19.24	19.31	17.5			
		15	0	19.19	19.32	19.21	17.5			
		1	0	19.28	19.34	19.24	20.5			
		1	14	19.31	19.23	19.21	20.5			
		8	0	19.24	19.10	19.10	19.5			
		8	7	19.35	19.23	19.30	19.5			
	15	0	19.24	19.18	19.21	19.5				
E2SCM		1	0	19.17	19.17	19.26	17.5			
		1	7	19.29	19.22	19.27	17.5			
		1	14	19.30	19.26	19.22	17.5			
		8	0	19.32	19.30	19.11	17.5			
		8	3	19.32	19.31	19.23	17.5			
		7	0	19.26	19.24	19.31	17.5			
		15	0	19.19	19.32	19.21	17.5			
		1	0	19.28	19.34	19.24	20.5			
	1	14	19.31	19.23	19.21	20.5				
E2SCM		8	0	19.24	19.10	19.10	19.5			
		8	7	19.35	19.23	19.30	19.5			
		15	0	19.24	19.18	19.21	19.5			
		1	0	19.17	19.17	19.26	17.5			
		1	7	19.29	19.22	19.27	17.5			
		1	14	19.30	19.26					

LTE Band 12 (An2)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (MHz)	BW	Modulation
		Channel	20MHz	20MHz	20MHz	20MHz			
10M	QPSK	Frequency (MHz)	796.5	797.5	798.5	799.5	Max. Time-up (MHz)	10M	QPSK
		1	0	24.15	24.20	24.21	25.5		
		1	24	24.25	24.34	24.35	25.5		
		1	49	24.35	24.47	24.48	25.5		
		25	0	23.20	23.21	23.19	24.5		
	16QAM	25	25	23.24	23.25	23.18	24.5		
		50	0	23.25	23.26	23.20	24.5		
		1	0	23.36	23.45	23.46	24.5		
		1	24	23.48	23.48	23.44	24.5		
		49	23.57	23.51	23.51	24.5			
20M	QPSK	25	12	22.30	22.32	22.22	23.5		
		25	12	22.30	22.32	22.16	23.5		
		25	25	22.34	22.32	22.16	23.5		
		1	0	22.27	22.21	22.16	23.5		
		1	24	22.44	22.44	22.34	23.5		
	16QAM	25	25	22.49	22.49	22.36	23.5		
		1	49	22.50	22.50	22.50	23.5		
		25	12	21.50	21.51	21.50	22.5		
		25	25	21.57	21.53	21.51	22.5		
		50	0	21.50	21.48	21.48	22.5		
250M	QPSK	1	0	19.34	19.31	19.45	20.5		
		1	24	19.37	19.36	19.39	20.5		
		49	19.23	19.34	19.33	20.5			
		25	0	18.22	18.24	18.24	20.5		
		25	12	18.33	18.27	18.30	20.5		
	16QAM	25	25	18.34	18.29	18.32	20.5		
		50	0	18.28	18.29	18.32	20.5		
		1	0	19.34	19.31	19.45	20.5		
		1	24	19.37	19.36	19.39	20.5		
		49	19.23	19.34	19.33	20.5			
5M	QPSK	Frequency (MHz)	796.5	797.5	798.5	799.5	Max. Time-up (MHz)	5M	QPSK
		1	0	24.04	24.08	24.12	25.5		
		1	12	24.02	24.04	24.13	25.5		
		1	24	24.05	24.04	24.04	25.5		
		12	0	23.08	23.19	23.18	24.5		
	16QAM	12	6	23.12	23.21	23.03	24.5		
		12	13	23.17	23.26	23.20	24.5		
		25	0	23.18	23.15	23.18	24.5		
		1	0	23.34	23.32	23.40	24.5		
		1	12	23.43	23.36	23.43	24.5		
10M	QPSK	24	24	23.33	23.16	23.16	24.5		
		12	0	22.11	22.22	22.14	23.5		
		12	6	22.20	22.18	22.18	23.5		
		12	13	22.18	22.24	22.13	23.5		
		25	0	22.13	22.08	22.05	23.5		
	16QAM	1	0	22.34	22.38	22.30	23.5		
		1	24	22.27	22.16	22.25	23.5		
		12	0	21.22	21.15	21.12	22.5		
		12	6	21.24	21.18	21.23	22.5		
		12	13	21.22	21.09	21.22	22.5		
20M	QPSK	25	0	21.22	21.11	21.21	22.5		
		1	0	19.32	19.37	19.33	20.5		
		1	12	19.32	19.32	19.32	20.5		
		1	24	19.07	19.20	19.25	20.5		
		12	6	18.19	18.26	18.17	20.5		
	16QAM	12	13	18.32	18.22	18.17	20.5		
		25	0	18.20	18.15	18.22	20.5		
		1	0	19.32	19.37	19.33	20.5		
		1	12	19.32	19.32	19.32	20.5		
		1	24	19.07	19.20	19.25	20.5		
5M	QPSK	Frequency (MHz)	796.5	797.5	798.5	799.5	Max. Time-up (MHz)	5M	QPSK
		1	0	24.05	24.09	24.11	25.5		
		1	7	24.04	24.16	24.11	25.5		
		1	14	24.05	24.04	24.04	25.5		
		8	0	23.11	23.20	23.08	24.5		
	16QAM	8	7	23.08	23.16	23.16	24.5		
		16	0	23.21	23.13	23.18	24.5		
		1	0	23.30	23.42	23.44	24.5		
		1	7	23.33	23.33	23.43	24.5		
		1	14	23.34	23.16	23.17	24.5		
10M	QPSK	8	0	22.26	22.18	22.17	23.5		
		8	7	22.26	22.18	22.11	23.5		
		8	7	22.22	22.11	22.16	23.5		
		15	0	22.16	22.13	22.14	23.5		
		1	0	22.37	22.38	22.31	23.5		
	16QAM	1	0	22.38	22.46	22.34	23.5		
		1	14	22.38	22.28	22.27	23.5		
		8	0	21.16	21.30	21.09	22.5		
		8	7	21.16	21.32	21.31	22.5		
		8	7	21.10	21.16	21.13	22.5		
250M	QPSK	15	0	21.12	21.17	21.15	22.5		
		1	0	18.24	18.20	18.40	20.5		
		1	7	18.30	18.30	18.24	20.5		
		1	14	18.16	18.19	18.20	20.5		
		8	0	18.10	18.22	18.22	20.5		
	16QAM	8	0	18.27	18.12	18.27	20.5		
		8	7	18.21	18.21	18.18	20.5		
		15	0	18.25	18.24	18.16	20.5		
		1	0	23.87	23.95	23.93	24.5		
		1	14	23.92	24.15	24.14	24.5		
5M	QPSK	Frequency (MHz)	796.5	797.5	798.5	799.5	Max. Time-up (MHz)	5M	QPSK
		1	2	24.10	24.20	24.13	25.5		
		1	5	23.87	23.87	23.95	25.5		
		3	1	24.05	24.05	23.99	25.5		
		3	0	23.87	23.93	23.99	25.5		
	16QAM	3	1	24.05	24.05	23.99	25.5		
		3	0	23.87	23.93	23.99	25.5		
		1	5	23.91	23.95	23.97	24.5		
		3	0	23.61	23.66	23.60	24.5		
		3	1	23.66	23.61	23.65	24.5		
14M	QPSK	3	3	22.83	23.03	22.94	24.5		
		6	0	22.13	22.17	22.12	23.5		
		1	0	22.38	22.38	22.28	23.5		
		1	2	22.41	22.37	22.24	23.5		
		6	0	22.15	22.12	22.17	23.5		
	16QAM	3	1	22.10	21.89	21.90	23.5		
		3	1	22.07	22.00	22.05	23.5		
		3	0	22.04	21.93	21.99	23.5		
		6	0	21.93	21.90	21.18	22.5		
		6	0	18.28	18.31	18.30	20.5		
250M	QPSK	1	2	18.08	18.31	19.35	20.5		
		1	5	18.28	18.22	18.30	20.5		
		3	0	18.12	18.19	18.10	20.5		
		3	1	18.27	18.20	18.20	20.5		
		3	1	18.28	18.19	18.23	20.5		
	16QAM	3	0	18.28	18.19	18.23	20.5		
		3	1	18.26	18.17	18.11	20.5		

LTE Band 13 (An2)									
BW	Modulation	RB Size	RB Offset	20MHz		Max. Time-up (MHz)			
		Channel	796	796.5					
10M	QPSK	1	0	24.08	24.13	24.5			
		1	24	24.32	24.5				
		1	49	24.55	24.5				
		25	0	23.12	24.5				
		25	12	23.13	24.5				
	16QAM	25	25	23.14	24.5				
		50	0	22.08	24.5				
		1	24	22.29	24.5				
		1	49	22.57	24.5				
		25	0	22.28	23.5				
64QAM	25	25	22.18	23.5					
	50	0	22.13	23.5					
	1	0	22.28	23.5					
	1	24	22.29	23.5					
	1	49	22.27	23.5					
20M	QPSK	25	0	21.16	22.5				
		25	12	21.14	22.5				
		25	25	21.17	22.5				
		50	0	21.18	22.5				
		1	0	19.18	20.5				
	16QAM	1	24	19.20	20.5				
		1	49	19.23	20.5				
		25	0	19.14	20.5				
		25	12	19.16	20.5				
		25	25	19.18	20.5				
64QAM	50	0	19.15	20.5					
	1	0	19.15	20.5					
	1	24	19.16	20.5					
	1	49	19.17	20.5					
	1	74	19.18	20.5					
30M	QPSK	1	0	23.91	24.00	23.94	25.5		
		1	12	23.92	24.03	23.95	25.5		
		1	24	23.94	24.06	23.96	25.5		
		12	0	23.61	23.69	23.62	24.5		
		12	6	23.69	23.76	23.64	24.5		
	16QAM	12	13	23.84	23.90	23.80	24.5		
		25	0	22.82	22.85	22.85	24.5		
		1	0	23.14	23.27	23.21	24.5		
		1	12	23.19	23.28	23.20	24.5		
		1	24	23.14	23.25	23.17	24.5		
64QAM	12	0	21.90	22.03	22.00	23.5			
	12	6	21.68	22.11	22.08	23.5			
	12	13	21.69	22.08	22.04	23.5			
	25	0	22.05	22.10	22.01	23.5			
	1	0	22.18	22.28	22.19	23.5			
40M	QPSK	1	12	22.15	22.22	22.14	23.5		
		1	24	22.13	22.25	22.19	23.5		
		12	0	21.00	21.12	21.02	22.5		
		12	6	21.04	21.08	21.05	22.5		
		12	13	21.06	21.08	21.06	22.5		
	16QAM	25	0	20.04	21.13	21.01	22.5		
		1	0	20.04	20.04	20.11	22.5		
		1	12	19.13	19.18	19.07	20.5		
		1	24	19.14	19.16	19.20	20.5		
		12	0	19.01	19.09	19.04	20.5		
20M	QPSK	12	13	19.12	19.09	19.10	20.5		
		25	0	19.12	19.05	19.13	20.5		

LTE Band 40 (Axi4)											
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)	Max. Power (dBm)	Channel		
									SBS960	SBS960	
OFDM		1	0	23.62	23.47	23.74	24.5	24.5	23.76	24.5	
			1	20	23.71	23.66	23.79	24.5	24.5	23.76	24.5
			1	30	23.67	23.54	23.76	24.5	24.5	23.76	24.5
			50	0	22.74	22.49	22.80	23.5	23.5	22.74	23.5
			50	25	22.73	22.58	22.80	23.5	23.5	22.74	23.5
			50	50	22.76	22.59	22.81	23.5	23.5	22.76	23.5
			100	0	22.25	22.06	22.23	23.5	23.5	22.25	23.5
			100	50	22.41	22.16	22.23	23.5	23.5	22.41	23.5
			1	50	22.62	22.42	22.74	23.5	23.5	22.62	23.5
			1	90	22.84	22.49	22.72	23.5	23.5	22.84	23.5
120M		1	0	21.79	21.54	21.67	22.5	22.5	21.79	22.5	
			1	20	21.74	21.44	21.77	22.5	22.5	21.79	22.5
			1	30	21.74	21.44	21.77	22.5	22.5	21.79	22.5
			50	0	21.79	21.59	21.67	22.5	22.5	21.79	22.5
			50	25	21.77	21.57	21.67	22.5	22.5	21.79	22.5
			50	50	21.75	21.55	21.63	22.5	22.5	21.79	22.5
			100	0	21.72	21.52	21.62	22.5	22.5	21.79	22.5
			100	50	21.74	21.54	21.62	22.5	22.5	21.79	22.5
			1	50	21.79	21.59	21.67	22.5	22.5	21.79	22.5
			1	90	21.79	21.54	21.69	22.5	22.5	21.79	22.5
210M		1	0	20.77	20.49	20.84	21.5	21.5	20.77	21.5	
			50	0	20.76	20.58	20.89	21.5	21.5	20.77	21.5
			50	25	20.77	20.58	20.89	21.5	21.5	20.77	21.5
			50	50	20.75	20.58	20.89	21.5	21.5	20.77	21.5
			100	0	20.26	20.07	20.35	21.5	21.5	20.77	21.5
			100	50	20.41	20.16	20.41	21.5	21.5	20.77	21.5
			1	50	18.78	18.61	18.75	19.5	19.5	20.77	21.5
			1	90	18.71	18.60	18.90	19.5	19.5	20.77	21.5
			1	30	18.68	18.61	18.93	19.5	19.5	20.77	21.5
			50	25	18.62	18.60	18.88	19.5	19.5	20.77	21.5
OFDM		1	0	18.80	18.64	18.92	19.5	19.5	18.80	19.5	
			1	50	18.80	18.64	18.92	19.5	19.5	18.80	19.5
			1	90	18.78	18.63	18.96	19.5	19.5	18.80	19.5
			1	30	23.68	23.48	23.70	24.5	24.5	23.68	24.5
			38	0	22.67	22.48	22.75	23.5	23.5	22.67	23.5
			38	19	22.64	22.52	22.74	23.5	23.5	22.67	23.5
			38	38	22.61	22.54	22.85	23.5	23.5	22.67	23.5
			75	0	22.64	22.49	22.71	23.5	23.5	22.67	23.5
			75	38	22.49	22.34	22.62	23.5	23.5	22.67	23.5
			1	50	22.47	22.28	22.69	23.5	23.5	22.67	23.5
120M		1	0	21.89	21.67	21.89	22.5	22.5	21.89	22.5	
			1	20	21.89	21.67	21.89	22.5	22.5	21.89	22.5
			1	38	21.73	21.47	21.78	22.5	22.5	21.89	22.5
			38	19	21.68	21.61	21.70	22.5	22.5	21.89	22.5
			75	0	21.62	21.49	21.69	22.5	22.5	21.89	22.5
			75	38	21.46	21.44	21.48	22.5	22.5	21.89	22.5
			1	50	21.68	21.52	21.78	22.5	22.5	21.89	22.5
			1	74	21.76	21.59	21.70	22.5	22.5	21.89	22.5
			38	0	20.70	20.38	20.76	21.5	21.5	21.89	22.5
			38	19	20.65	20.51	20.73	21.5	21.5	21.89	22.5
210M		1	0	20.69	20.49	20.72	21.5	21.5	20.69	21.5	
			75	0	20.69	20.49	20.72	21.5	21.5	20.69	21.5
			1	50	18.45	18.29	18.67	19.5	19.5	20.69	21.5
			1	37	18.60	18.54	18.81	19.5	19.5	20.69	21.5
			1	40	18.65	18.59	18.87	19.5	19.5	20.69	21.5
			38	0	18.78	18.38	18.71	19.5	19.5	20.69	21.5
			38	19	18.73	18.55	18.77	19.5	19.5	20.69	21.5
			38	38	18.68	18.58	18.67	19.5	19.5	20.69	21.5
			75	0	18.65	18.57	18.80	19.5	19.5	20.69	21.5
			75	38	18.66	18.57	18.80	19.5	19.5	20.69	21.5
OFDM		1	0	23.47	23.35	23.73	24.5	24.5	23.47	24.5	
			1	40	23.42	23.34	23.72	24.5	24.5	23.47	24.5
			1	40	23.53	23.48	23.73	24.5	24.5	23.47	24.5
			25	0	22.63	22.34	22.66	23.5	23.5	22.63	23.5
			25	12	22.65	22.49	22.72	23.5	23.5	22.63	23.5
			25	25	22.68	22.50	22.73	23.5	23.5	22.63	23.5
			50	0	22.74	22.53	22.69	23.5	23.5	22.63	23.5
			50	25	22.68	22.48	22.73	23.5	23.5	22.63	23.5
			1	24	22.49	22.41	22.59	23.5	23.5	22.63	23.5
			1	40	22.52	22.48	22.69	23.5	23.5	22.63	23.5
120M		1	0	21.60	21.33	21.69	22.5	22.5	21.60	22.5	
			25	12	21.73	21.60	21.73	22.5	22.5	21.60	22.5
			25	25	21.60	21.52	21.78	22.5	22.5	21.60	22.5
			50	0	21.73	21.43	21.79	22.5	22.5	21.60	22.5
			1	0	21.89	21.51	21.68	22.5	22.5	21.60	22.5
			1	24	21.72	21.48	21.73	22.5	22.5	21.60	22.5
			40	0	21.71	21.47	21.79	22.5	22.5	21.60	22.5
			25	0	20.71	20.41	20.78	21.5	21.5	21.60	22.5
			25	12	20.73	20.56	20.80	21.5	21.5	21.60	22.5
			25	25	20.71	20.48	20.88	21.5	21.5	21.60	22.5
210M		1	0	20.70	20.47	20.80	21.5	21.5	20.70	21.5	
			50	0	20.70	20.47	20.80	21.5	21.5	20.70	21.5
			1	24	18.68	18.57	18.78	19.5	19.5	20.70	21.5
			1	40	18.62	18.55	18.92	19.5	19.5	20.70	21.5
			25	0	18.78	18.47	18.75	19.5	19.5	20.70	21.5
			25	12	18.78	18.57	18.78	19.5	19.5	20.70	21.5
			25	25	18.67	18.53	18.78	19.5	19.5	20.70	21.5
			50	0	18.68	18.51	18.70	19.5	19.5	20.70	21.5
			1	24	18.68	18.57	18.78	19.5	19.5	20.70	21.5
			1	40	18.62	18.55	18.92	19.5	19.5	20.70	21.5
OFDM		1	0	23.47	23.35	23.73	24.5	24.5	23.47	24.5	
			1	40	23.42	23.34	23.72	24.5	24.5	23.47	24.5
			1	40	23.53	23.48	23.73	24.5	24.5	23.47	24.5
			25	0	22.63	22.34	22.66	23.5	23.5	22.63	23.5
			25	12	22.65	22.49	22.72	23.5	23.5	22.63	23.5
			25	25	22.68	22.50	22.73	23.5	23.5	22.63	23.5
			50	0	22.74	22.53	22.69	23.5	23.5	22.63	23.5
			50	25	22.68	22.48	22.73	23.5	23.5	22.63	23.5
			1	24	22.49	22.41	22.59	23.5	23.5	22.63	23.5
			1	40	22.52	22.48	22.69	23.5	23.5	22.63	23.5
120M		1	0	21.60	21.33	21.69	22.5	22.5	21.60	22.5	
			25	12	21.73	21.60	21.73	22.5	22.5	21.60	22.5
			25	25	21.60	21.52	21.78	22.5	22.5	21.60	22.5
			50	0	21.73	21.43	21.79	22.5	22.5	21.60	22.5
			1	0	21.89	21.51	21.68	22.5	22.5	21.60	22.5
			1	24	21.72	21.48	21.73	22.5	22.5	21.60	22.5
			40	0	21.71	21.47	21.79	22.5	22.5	21.60	22.5
			25	0	20.71	20.41	20.78	21.5	21.5	21.60	22.5
			25	12	20.73	20.56	20.80	21.5	21.5	21.60	22.5
			25	25	20.71	20.48	20.88	21.5	21.5	21.60	22.5
210M		1	0	20.70	20.47	20.80	21.5	21.5	20.70	21.5	
			50	0	20.70	20.47	20.80	21.5	21.5	20.70	21.5
			1	24	18.68	18.57	18.78	19.5	19.5	20.70	21.5
			1	40	18.62	18.55	18.92	19.5	19.5	20.70	21.5
			25	0	18.78	18.47	18.75	19.5	19.5	20.70	21.5
			25	12	18.78	18.57	18.78	19.5	19.5	20.70	21.5
			25	25	18.67	18.53	18.78	19.5	19.5	20.70	21.5
			50	0	18.68	18.51	18.70	19.5	19.5	20.70	21.5
			1	24	18.68	18.57	18.78	19.5	19.5	20.70	21.5
			1	40	18.62	18.55	18.92	19.5	19.5	20.70	21.5

Receiver off_DSI4_ENDC&Sim-Tx

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.44	23.41	23.47	24.5
		1	53	23.36	23.37	23.41	24.5
		1	104	23.38	23.31	23.35	24.5
		50	0	23.47	23.54	23.53	24.5
		50	28	23.46	23.46	23.55	24.5
		50	56	23.60	23.48	23.53	24.5
	DFT-s-OFDM QPSK	100	0	23.48	23.54	23.49	24.5
		1	1	23.61	23.55	23.57	24.5
		1	53	23.46	23.36	23.43	24.5
		1	104	23.11	23.47	23.32	24.5
		50	0	22.98	23.01	22.93	23.5
		50	28	23.58	23.50	23.44	24.5
	DFT-s-OFDM 16QAM	50	56	23.04	22.97	22.58	23.5
		100	0	22.98	22.95	22.93	23.5
		1	1	22.93	22.93	23.19	23.5
		1	1	21.63	21.65	21.06	22.5
		1	1	18.99	19.04	19.06	20.5
		1	1	18.99	19.04	19.06	20.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	23.58	23.47	23.48	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.55	23.45	23.44	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	23.57	23.41	23.55	24.5

n2 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.72	23.71	23.64	24.5
		1	53	23.62	23.61	23.61	24.5
		1	104	23.54	23.67	23.66	24.5
		50	0	23.17	23.13	23.07	24.5
		50	28	23.66	23.64	23.61	24.5
		50	56	23.06	23.08	23.11	24.5
	DFT-s-OFDM QPSK	100	0	23.08	23.16	23.12	24.5
		1	1	23.79	23.76	23.75	24.5
		1	53	23.71	23.64	23.72	24.5
		1	104	23.64	23.65	23.40	24.5
		50	0	22.69	22.64	22.64	23.5
		50	28	23.71	23.69	23.68	24.5
	DFT-s-OFDM 16QAM	50	56	22.67	22.54	22.66	23.5
		100	0	22.67	22.65	22.61	23.5
		1	1	22.81	22.85	22.76	23.5
		1	1	21.37	21.38	21.28	22.5
		1	1	19.39	19.36	19.31	20.5
		1	1	19.39	19.36	19.31	20.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	23.75	23.72	23.70	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.73	23.73	23.71	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	23.71	23.74	23.72	24.5

n5 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.42	23.38	23.46	24.5
		1	53	23.48	23.51	23.45	24.5
		1	104	23.40	23.53	23.41	24.5
		50	0	23.51	23.58	23.52	24.5
		50	28	23.43	23.55	23.52	24.5
		50	56	23.50	23.53	23.56	24.5
		100	0	23.47	23.56	23.57	24.5
	DFT-s-OFDM QPSK	1	1	23.57	23.64	23.55	24.5
		1	53	23.38	23.42	23.48	24.5
		1	104	23.41	23.43	23.42	24.5
		50	0	23.52	23.58	23.50	24.5
		50	28	23.46	23.59	23.49	24.5
		50	56	23.53	23.61	23.51	24.5
		100	0	23.50	23.57	23.54	24.5
	DFT-s-OFDM 16QAM	1	1	23.32	23.43	23.39	24.5
	DFT-s-OFDM 64QAM	1	1	21.68	22.15	22.04	22.5
	DFT-s-OFDM 256QAM	1	1	19.98	19.53	19.54	20.5
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	1	1	23.49	23.62	23.53	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.50	23.55	23.44	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.43	23.51	23.52	24.5

n48 (SCS 30 kHz) (Ant4)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	23.47	23.83	24.05	24.5
		1	53	23.56	23.91	24.04	24.5
		1	104	23.70	24.11	24.09	24.5
		50	0	23.63	23.93	24.10	24.5
		50	28	23.63	23.95	24.09	24.5
		50	56	23.70	23.98	24.13	24.5
		100	0	23.61	23.91	24.09	24.5
	DFT-s-OFDM QPSK	1	1	23.71	24.12	24.16	24.5
		1	53	23.52	23.86	24.03	24.5
		1	104	23.68	23.97	24.05	24.5
		50	0	23.62	23.96	24.11	24.5
		50	28	23.57	23.93	24.04	24.5
		50	56	23.61	23.92	24.07	24.5
		100	0	23.59	23.92	23.96	24.5
	DFT-s-OFDM 16QAM	1	53	23.58	23.86	24.02	24.5
	DFT-s-OFDM 64QAM	1	53	23.36	23.59	23.60	24
	DFT-s-OFDM 256QAM	1	53	22.05	22.20	22.35	23
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	23.60	24.05	24.01	24.5
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	23.63	24.00	24.08	24.5

n66 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM P/2 BPSK	1	1	23.43	23.44	23.41	24.5
		1	108	23.47	23.36	23.37	24.5
		1	214	23.42	23.29	23.24	24.5
		108	0	23.21	22.80	22.57	24
		108	54	23.01	22.88	23.51	24.5
		108	108	23.12	22.47	22.41	24
	DFT-s-OFDM QPSK	216	0	23.09	22.50	22.50	24
		1	1	23.51	23.54	23.33	24.5
		1	108	23.47	23.34	23.27	24.5
		1	214	23.39	23.31	23.18	24.5
		108	0	22.58	22.57	22.43	23.5
		108	54	23.25	23.49	23.30	24.5
	DFT-s-OFDM 16QAM	108	108	22.67	22.57	22.30	23.5
		216	0	22.51	22.56	22.35	23.5
		1	1	22.45	22.07	22.63	23.5
		1	1	21.18	20.94	20.53	22
		1	1	18.45	18.86	18.43	20
		1	1	18.45	18.86	18.43	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.21	23.36	23.46	24.5
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	23.37	23.24	23.15	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.29	23.41	23.35	24.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	23.18	23.27	23.17	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.09	23.22	23.31	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.23	23.41	23.36	24.5

n66 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM P/2 BPSK	1	1	22.99	23.07	23.09	24.5
		1	108	23.02	23.04	23.01	24.5
		1	214	23.06	23.02	22.93	24.5
		108	0	22.61	22.65	22.54	24
		108	54	23.01	23.04	22.98	24.5
		108	108	22.50	22.46	22.48	24
	DFT-s-OFDM QPSK	216	0	22.54	22.51	22.54	24
		1	1	23.07	23.28	23.02	24.5
		1	108	23.02	23.05	23.01	24.5
		1	214	23.06	22.96	23.00	24.5
		108	0	22.06	22.10	22.15	23.5
		108	54	22.97	23.13	23.00	24.5
	DFT-s-OFDM 16QAM	108	108	22.02	22.02	21.94	23.5
		216	0	22.11	22.15	22.04	23.5
		1	1	22.11	22.14	22.16	23.5
		1	1	20.62	20.73	20.62	22
		1	1	18.47	18.52	18.46	20
		1	1	18.47	18.52	18.46	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.08	23.11	23.25	24.5
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	23.02	23.14	23.22	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.03	23.09	23.20	24.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	23.06	23.12	23.19	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.09	23.10	23.18	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.10	23.14	23.20	24.5

n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		23.10		24.5
		1	137		22.95		24.5
		1	271		22.94		24.5
		135	0		23.07		24.5
		135	69		23.04		24.5
		135	138		23.00		24.5
	DFT-s-OFDM QPSK	270	0		23.03		24.5
		1	1		23.18		24.5
		1	137		22.99		24.5
		1	271		22.98		24.5
		135	0		23.08		24.5
		135	69		23.04		24.5
		135	138		23.10		24.5
		270	0		23.05		24.5
	DFT-s-OFDM 16QAM	1	1		23.07		24.5
	DFT-s-OFDM 64QAM	1	1		22.75		23.5
	DFT-s-OFDM 256QAM	1	1		21.12		22
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	23.09	23.16	23.14	24.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	23.05	23.05	22.99	24.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	23.03	23.03	23.02	24.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	23.07	23.02	23.05	24.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	23.03	23.02	23.10	24.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	23.00	23.10	23.02	24.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	22.96	23.07	23.12	24.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	22.96	23.07	23.08	24.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	23.01	23.14	22.99	24.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	22.94	23.03	23.06	24.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	22.85	22.83	22.76	24.5

n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3760	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	23.28	23.75	23.84	24.5
		1	137	23.25	23.29	23.76	24.5
		1	271	23.31	23.55	23.91	24.5
		135	0	23.26	23.39	23.70	24.5
		135	69	23.29	23.47	23.75	24.5
		135	138	23.34	23.42	23.83	24.5
	DFT-s-OFDM QPSK	270	0	23.28	23.38	23.74	24.5
		1	1	23.35	23.92	23.95	24.5
		1	137	23.25	23.75	23.72	24.5
		1	271	23.27	23.80	23.82	24.5
		135	0	23.23	23.70	23.74	24.5
		135	69	23.28	23.69	23.71	24.5
		135	138	23.29	23.77	23.82	24.5
		270	0	23.24	23.73	23.77	24.5
	DFT-s-OFDM 16QAM	1	1	23.26	23.43	23.37	24.5
	DFT-s-OFDM 64QAM	1	1	23.27	23.25	23.30	23.5
	DFT-s-OFDM 256QAM	1	1	21.88	21.48	21.51	22
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	23.34	23.90	23.91	24.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	23.32	23.85	23.92	24.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	23.25	23.76	23.79	24.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	23.28	23.76	23.84	24.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	23.31	23.80	23.86	24.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	23.19	23.88	23.93	24.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	23.24	23.83	23.93	24.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	23.31	23.78	23.87	24.5
BW	MCS Index	Channel		647168	656000	664932	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	23.25	23.75	23.80	24.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	23.20	23.77	23.81	24.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	23.33	23.54	23.62	24.5

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		26.13		27.5
		1	137		25.89		27.5
		1	271		25.96		27.5
		135	0		25.50		27
		135	69		25.97		27.5
		135	138		25.45		27
	DFT-s-OFDM QPSK	270	0		25.49		27
		1	1		26.18		27.5
		1	137		25.82		27.5
		1	271		25.91		27.5
		135	0		25.11		26.5
		135	69		25.95		27.5
		135	138		24.92		26.5
		270	0		25.05		26.5
	DFT-s-OFDM 16QAM	1	1		24.98		26.5
	DFT-s-OFDM 64QAM	1	1		23.49		25
	DFT-s-OFDM 256QAM	1	1		21.44		23
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	26.16	26.14	26.12	27.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	26.08	26.07	26.02	27.5
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	26.02	26.08	26.07	27.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	26.10	26.13	25.99	27.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	26.15	26.12	26.07	27.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	26.14	26.13	26.02	27.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	26.13	26.12	26.00	27.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	26.06	26.03	26.06	27.5
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	26.01	26.10	26.02	27.5
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	26.04	26.08	25.99	27.5
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	25.93	26.07	25.85	27.5

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3760	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	26.43	26.51	26.82	27.5
		1	137	26.28	26.36	26.79	27.5
		1	271	26.40	26.61	26.76	27.5
		135	0	25.80	25.83	26.22	27
		135	69	26.27	26.32	26.60	27.5
		135	138	25.93	26.00	26.41	27
	DFT-s-OFDM QPSK	270	0	25.88	25.97	26.30	27
		1	1	26.50	26.67	26.96	27.5
		1	137	26.33	26.41	26.75	27.5
		1	271	26.40	26.61	26.95	27.5
		135	0	25.41	25.57	25.73	26.5
		135	69	26.31	26.40	26.78	27.5
		135	138	25.43	25.68	25.90	26.5
		270	0	25.32	25.46	25.78	26.5
	DFT-s-OFDM 16QAM	1	1	25.23	25.53	25.50	26.5
	DFT-s-OFDM 64QAM	1	1	23.48	23.49	23.81	25
	DFT-s-OFDM 256QAM	1	1	21.20	21.36	21.53	23
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	26.37	26.62	26.89	27.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	26.48	26.58	26.87	27.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	26.40	26.57	26.85	27.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	26.45	26.58	26.88	27.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	26.46	26.52	26.81	27.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	26.40	26.52	26.82	27.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	26.43	26.57	26.87	27.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	26.48	26.65	26.90	27.5
BW	MCS Index	Channel		647168	656000	664932	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	26.49	26.62	26.82	27.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	26.48	26.65	26.91	27.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	26.39	26.55	26.78	27.5

CA_R8 (Ant2)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
20450	829	20549	838.9	QPSK	1	49	1	0	24.87	24.5	24.5
				16QAM	1	49	1	0	23.97	24.5	24.5
				64QAM	1	49	1	0	21.35	23.5	23.5
				256QAM	1	49	1	0	19.93	20.5	20.5
				QPSK	1	49	1	0	24.81	24.5	24.5
20476	831.6	20575	841.5	16QAM	1	49	1	0	23.92	24.5	24.5
				64QAM	1	49	1	0	21.30	23.5	23.5
				256QAM	1	49	1	0	19.96	20.5	20.5
				QPSK	1	49	1	0	24.74	24.5	24.5
				QPSK	1	49	1	0	23.91	24.5	24.5
20501	834.1	20600	844	QPSK	1	49	1	0	21.37	23.5	23.5
				16QAM	1	49	1	0	19.95	20.5	20.5
				64QAM	1	49	1	0	19.95	20.5	20.5
				256QAM	1	49	1	0	19.95	20.5	20.5
				QPSK	1	49	1	0	19.95	20.5	20.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
20450	829	20522	836.2	QPSK	1	49	1	0	24.79	24.5	24.5
				16QAM	1	49	1	0	21.21	23.5	23.5
				64QAM	1	49	1	0	19.81	20.5	20.5
				256QAM	1	49	1	0	24.62	24.5	24.5
				QPSK	1	49	1	0	22.96	24.5	24.5
20500	834	20572	841.2	QPSK	1	49	1	0	21.96	23.5	23.5
				16QAM	1	49	1	0	19.90	20.5	20.5
				64QAM	1	49	1	0	24.65	24.5	24.5
				256QAM	1	49	1	0	24.65	24.5	24.5
				QPSK	1	49	1	0	24.65	24.5	24.5
20550	839	20622	846.2	QPSK	1	49	1	0	23.85	24.5	24.5
				16QAM	1	49	1	0	21.28	23.5	23.5
				64QAM	1	49	1	0	19.88	20.5	20.5
				256QAM	1	49	1	0	19.88	20.5	20.5
				QPSK	1	49	1	0	19.88	20.5	20.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
20428	829.9	20500	834	QPSK	1	24	1	0	24.77	24.5	24.5
				16QAM	1	24	1	0	23.83	24.5	24.5
				64QAM	1	24	1	0	21.19	23.5	23.5
				256QAM	1	24	1	0	19.79	20.5	20.5
				QPSK	1	24	1	0	24.65	24.5	24.5
20478	831.8	20550	839	QPSK	1	24	1	0	22.96	24.5	24.5
				16QAM	1	24	1	0	21.11	23.5	23.5
				64QAM	1	24	1	0	19.89	20.5	20.5
				256QAM	1	24	1	0	24.60	24.5	24.5
				QPSK	1	24	1	0	24.60	24.5	24.5
20528	836.8	20600	844	QPSK	1	24	1	0	23.79	24.5	24.5
				16QAM	1	24	1	0	21.25	23.5	23.5
				64QAM	1	24	1	0	19.88	20.5	20.5
				256QAM	1	24	1	0	19.88	20.5	20.5
				QPSK	1	24	1	0	19.88	20.5	20.5
Combination 3MHz+5MHz (15RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
20425	826.5	20464	830.4	QPSK	1	24	1	0	24.83	24.5	24.5
				16QAM	1	24	1	0	23.94	24.5	24.5
				64QAM	1	24	1	0	21.35	23.5	23.5
				256QAM	1	24	1	0	19.73	20.5	20.5
				QPSK	1	24	1	0	24.65	24.5	24.5
20510	836	20540	838.9	QPSK	1	24	1	0	22.95	24.5	24.5
				16QAM	1	24	1	0	21.16	23.5	23.5
				64QAM	1	24	1	0	19.86	20.5	20.5
				256QAM	1	24	1	0	24.59	24.5	24.5
				QPSK	1	24	1	0	23.87	24.5	24.5
20595	843.5	20634	847.4	QPSK	1	24	1	0	21.20	23.5	23.5
				16QAM	1	24	1	0	19.74	20.5	20.5
				64QAM	1	24	1	0	19.74	20.5	20.5
				256QAM	1	24	1	0	19.74	20.5	20.5
				QPSK	1	24	1	0	19.74	20.5	20.5

CA_R8 (Ant1)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
130022	1715	132121	1724.9	QPSK	1	49	1	0	23.86	24.5	24.5
				16QAM	1	49	1	0	23.96	24.5	24.5
				64QAM	1	49	1	0	21.73	22.5	22.5
				256QAM	1	49	1	0	19.11	19.5	19.5
				QPSK	1	49	1	0	23.92	24.5	24.5
132373	1750.1	130472	1760	QPSK	1	49	1	0	23.25	23.5	23.5
				16QAM	1	49	1	0	21.69	22.5	22.5
				64QAM	1	49	1	0	19.84	19.5	19.5
				256QAM	1	49	1	0	23.78	24.5	24.5
				QPSK	1	49	1	0	23.21	23.5	23.5
132523	1765.1	132622	1775	QPSK	1	49	1	0	21.63	22.5	22.5
				16QAM	1	49	1	0	19.12	19.5	19.5
				64QAM	1	49	1	0	19.12	19.5	19.5
				256QAM	1	49	1	0	19.12	19.5	19.5
				QPSK	1	49	1	0	19.12	19.5	19.5
Combination 10MHz+5MHz (75RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
132047	1717.5	132145	1726.8	QPSK	1	74	1	0	23.75	24.5	24.5
				16QAM	1	74	1	0	21.58	22.5	22.5
				64QAM	1	74	1	0	19.91	19.5	19.5
				256QAM	1	74	1	0	23.71	24.5	24.5
				QPSK	1	74	1	0	23.65	24.5	24.5
132398	1752.6	132491	1761.9	QPSK	1	74	1	0	21.90	22.5	22.5
				16QAM	1	74	1	0	19.81	19.5	19.5
				64QAM	1	74	1	0	19.81	19.5	19.5
				256QAM	1	74	1	0	23.60	24.5	24.5
				QPSK	1	74	1	0	23.10	23.5	23.5
132545	1767.7	132642	1777	QPSK	1	74	1	0	21.44	22.5	22.5
				16QAM	1	74	1	0	19.03	19.5	19.5
				64QAM	1	74	1	0	19.03	19.5	19.5
				256QAM	1	74	1	0	19.03	19.5	19.5
				QPSK	1	74	1	0	19.03	19.5	19.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
132002	1713	132095	1722.3	QPSK	1	24	1	0	23.69	24.5	24.5
				16QAM	1	24	1	0	23.14	23.5	23.5
				64QAM	1	24	1	0	21.94	22.5	22.5
				256QAM	1	24	1	0	19.91	19.5	19.5
				QPSK	1	24	1	0	23.78	24.5	24.5
132353	1748.1	132446	1757.4	QPSK	1	24	1	0	23.10	23.5	23.5
				16QAM	1	24	1	0	21.58	22.5	22.5
				64QAM	1	24	1	0	19.74	19.5	19.5
				256QAM	1	24	1	0	23.52	24.5	24.5
				QPSK	1	24	1	0	23.02	23.5	23.5
132504	1763.2	132597	1772.5	QPSK	1	24	1	0	21.38	22.5	22.5
				16QAM	1	24	1	0	18.97	19.5	19.5
				64QAM	1	24	1	0	18.97	19.5	19.5
				256QAM	1	24	1	0	18.97	19.5	19.5
				QPSK	1	24	1	0	18.97	19.5	19.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
130022	1715	132094	1722.2	QPSK	1	49	1	0	23.63	24.5	24.5
				16QAM	1	49	1	0	23.23	23.5	23.5
				64QAM	1	49	1	0	21.57	22.5	22.5
				256QAM	1	49	1	0	19.09	19.5	19.5
				QPSK	1	49	1	0	23.84	24.5	24.5
132397	1752.5	132489	1759.7	QPSK	1	49	1	0	23.13	23.5	23.5
				16QAM	1	49	1	0	21.54	22.5	22.5
				64QAM	1	49	1	0	19.74	19.5	19.5
				256QAM	1	49	1	0	23.58	24.5	24.5
				QPSK	1	49	1	0	23.08	23.5	23.5
132572	1770	132644	1777.2	QPSK	1	49	1	0	21.44	22.5	22.5
				16QAM	1	49	1	0	18.97	19.5	19.5
				64QAM	1	49	1	0	18.97	19.5	19.5
				256QAM	1	49	1	0	18.97	19.5	19.5
				QPSK	1	49	1	0	18.97	19.5	19.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
130000	1712.8	132072	1720	QPSK	1	24	1	0	23.11	23.5	23.5
				16QAM	1	24	1	0	21.52	22.5	22.5
				64QAM	1	24	1	0	19.03	19.5	19.5
				256QAM	1	24	1	0	23.71	24.5	24.5
				QPSK	1	24	1	0	23.58	24.5	24.5
132375	1750.3	132447	1757.5	QPSK	1	24	1	0	21.79	22.5	22.5
				16QAM	1	24	1	0	19.14	19.5	19.5
				64QAM	1	24	1	0	18.94	19.5	19.5
				256QAM	1	24	1	0	23.53	24.5	24.5
				QPSK	1	24	1	0	23.05	23.5	23.5
132500	1767.6	132622	1776	QPSK	1	24	1	0	21.40	22.5	22.5
				16QAM	1	24	1	0	18.97	19.5	19.5
				64QAM	1	24	1	0	18.97	19.5	19.5
				256QAM	1	24	1	0	18.97	19.5	19.5
				QPSK	1	24	1	0	18.97	19.5	19.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
131997	1712.5	132045	1717.3	QPSK	1	24	1	0	23.60	24.5	24.5
				16QAM	1	24	1	0	23.06	23.5	23.5
				64QAM	1	24	1	0	21.42	22.5	22.5
				256QAM	1	24	1	0	19.91	19.5	19.5
				QPSK	1	24	1	0	23.74	24.5	24.5
132396	1773.5	132446	1782.3	QPSK	1	24	1	0	21.48	22.5	22.5
				16QAM	1	24	1	0	19.73	19.5	19.5
				64QAM	1	24	1	0	18.93	19.5	19.5
				256QAM	1	24	1	0	23.43	24.5	24.5
				QPSK	1	24	1	0	23.07	23.5	23.5
132529	1772.7	132647	1777.5	QPSK	1	24	1	0	21.42	22.5	22.5
				16QAM	1	24	1	0	18.97	19.5	19.5
				64QAM	1	24	1	0	18.97	19.5	19.5
				256QAM	1	24	1	0	18.97	19.5	19.5
				QPSK	1	24	1	0	18.97	19.5	19.5

CA 40C (Ann4)									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power
55340	3560	55338	3579.8	QPSK	1	99	1	0	23.89
				16QAM	1	99	1	0	22.89
				64QAM	1	99	1	0	21.89
				256QAM	1	99	1	0	18.89
55891	3615.1	55889	3634.9	QPSK	1	99	1	0	23.95
				16QAM	1	99	1	0	22.95
				64QAM	1	99	1	0	21.95
				256QAM	1	99	1	0	18.95
56442	3670.2	56440	3690	QPSK	1	99	1	0	24.02
				16QAM	1	99	1	0	23.02
				64QAM	1	99	1	0	22.02
				256QAM	1	99	1	0	19.02
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power
55340	3560	55511	3577.1	QPSK	1	99	1	0	23.75
				16QAM	1	99	1	0	22.77
				64QAM	1	99	1	0	21.75
				256QAM	1	99	1	0	18.75
55916	3617.6	55987	3634.7	QPSK	1	99	1	0	23.84
				16QAM	1	99	1	0	22.84
				64QAM	1	99	1	0	21.84
				256QAM	1	99	1	0	18.84
56461	3675.3	56602	3692.3	QPSK	1	99	1	0	23.89
				16QAM	1	99	1	0	22.89
				64QAM	1	99	1	0	22.00
				256QAM	1	99	1	0	18.99
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power
55319	3557.8	55489	3574.9	QPSK	1	74	1	0	23.74
				16QAM	1	74	1	0	22.73
				64QAM	1	74	1	0	21.83
				256QAM	1	74	1	0	18.83
55883	3615.3	56064	3632.4	QPSK	1	74	1	0	23.81
				16QAM	1	74	1	0	22.81
				64QAM	1	74	1	0	21.89
				256QAM	1	74	1	0	18.89
56469	3672.8	56640	3690	QPSK	1	74	1	0	23.87
				16QAM	1	74	1	0	22.89
				64QAM	1	74	1	0	21.95
				256QAM	1	74	1	0	18.95
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power
55340	3560	55454	3574.4	QPSK	1	99	1	0	23.69
				16QAM	1	99	1	0	22.69
				64QAM	1	99	1	0	21.76
				256QAM	1	99	1	0	18.76
55941	3620.1	55982	3634.5	QPSK	1	99	1	0	23.89
				16QAM	1	99	1	0	22.89
				64QAM	1	99	1	0	21.89
				256QAM	1	99	1	0	18.89
56541	3680.1	56680	3694.5	QPSK	1	99	1	0	23.87
				16QAM	1	99	1	0	22.88
				64QAM	1	99	1	0	22.01
				256QAM	1	99	1	0	18.98
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power
55295	3555.5	55439	3569.9	QPSK	1	49	1	0	23.76
				16QAM	1	49	1	0	22.76
				64QAM	1	49	1	0	21.79
				256QAM	1	49	1	0	18.79
55896	3615.6	56040	3630	QPSK	1	49	1	0	23.83
				16QAM	1	49	1	0	22.84
				64QAM	1	49	1	0	21.88
				256QAM	1	49	1	0	18.88
56456	3675.6	56640	3690	QPSK	1	49	1	0	23.89
				16QAM	1	49	1	0	22.89
				64QAM	1	49	1	0	21.92
				256QAM	1	49	1	0	18.97
Combination 20MHz+5MHz (100RB+25RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power
55340	3560	55457	3571.7	QPSK	1	99	1	0	23.77
				16QAM	1	99	1	0	22.78
				64QAM	1	99	1	0	21.87
				256QAM	1	99	1	0	18.78
55965	3622.5	55982	3634.2	QPSK	1	99	1	0	23.91
				16QAM	1	99	1	0	22.97
				64QAM	1	99	1	0	21.88
				256QAM	1	99	1	0	18.78
55990	3685	56707	3695.7	QPSK	1	99	1	0	23.85
				16QAM	1	99	1	0	22.88
				64QAM	1	99	1	0	21.90
				256QAM	1	99	1	0	18.90
Combination 5MHz+20MHz (25RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power
55273	3553.3	55390	3565	QPSK	1	24	1	0	23.66
				16QAM	1	24	1	0	22.75
				64QAM	1	24	1	0	21.77
				256QAM	1	24	1	0	18.79
55898	3615.8	56015	3627.6	QPSK	1	24	1	0	23.82
				16QAM	1	24	1	0	22.82
				64QAM	1	24	1	0	21.88
				256QAM	1	24	1	0	18.88
56523	3678.3	56640	3690	QPSK	1	24	1	0	23.92
				16QAM	1	24	1	0	22.96
				64QAM	1	24	1	0	21.99
				256QAM	1	24	1	0	18.93

CA 40B (Ann4)									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Max. Tx Power (dBm)
55290	3555	55389	3564.9	QPSK	1	49	1	0	23.76
				16QAM	1	49	1	0	22.86
				64QAM	1	49	1	0	21.81
				256QAM	1	49	1	0	18.71
55941	3630.1	56140	3640	QPSK	1	49	1	0	23.91
				16QAM	1	49	1	0	22.79
				64QAM	1	49	1	0	21.95
				256QAM	1	49	1	0	18.95
55991	3685.1	55990	3695	QPSK	1	49	1	0	23.90
				16QAM	1	49	1	0	22.89
				64QAM	1	49	1	0	21.93
				256QAM	1	49	1	0	18.89

L1 Band 2 (aer)									
Modulation	Modulation	Max Bit	Min CFS	Mod	Max	Min	Max	Min	Max
		Frequency (MHz)	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5
QPSK	1	0	21.23	21.18	21.17	22.0			
	1	0	21.23	21.18	21.23	22.0			
	1	99	21.19	21.14	21.21	22.0			
	50	0	20.23	20.27	20.22	21.0			
	50	20.28	20.24	20.28	21.0				
16QAM	50	50	20.48	20.40	20.39	21.0			
	1	0	20.43	20.52	20.47	21.0			
	1	50	20.54	20.60	20.58	21.0			
	50	50	20.52	20.58	20.56	21.0			
	50	25	19.96	19.90	19.90	20.0			
64QAM	50	50	19.94	19.94	19.94	20.0			
	1	0	19.95	19.92	19.95	20.0			
	1	0	19.96	19.98	19.92	20.0			
	50	50	19.97	19.97	19.97	20.0			
	1	99	19.93	19.91	19.90	20.0			
256QAM	50	50	19.91	19.94	19.93	19.9			
	1	0	19.94	19.96	19.90	19.9			
	1	99	19.93	19.96	19.90	19.9			
	50	25	19.47	19.31	19.35	19.0			
	50	50	19.46	19.40	19.42	19.0			
BW Modulation	Channel	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5
	Frequency (MHz)	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5
	1	0	21.14	21.15	21.12	22.0			
	1	97	21.16	21.18	21.16	22.0			
	1	74	21.11	21.08	21.11	22.0			
QPSK	30	0	20.24	20.19	20.08	21.0			
	30	19	20.29	20.22	20.26	21.0			
	30	20	20.24	20.24	20.24	21.0			
	75	0	20.34	20.22	20.30	21.0			
	1	0	20.30	20.42	20.21	21.0			
16QAM	37	20	20.49	20.49	20.39	21.0			
	1	74	20.33	20.36	20.38	21.0			
	30	50	20.42	20.42	20.42	21.0			
	30	19	19.29	19.15	19.27	20.0			
	30	59	19.34	19.22	19.28	20.0			
64QAM	30	59	19.33	19.23	19.23	20.0			
	1	0	19.25	19.23	19.19	20.0			
	1	97	19.33	19.17	19.28	20.0			
	74	19.28	19.28	19.28	20.0				
	30	19	18.23	18.26	18.23	19.0			
256QAM	30	19	18.23	18.22	18.22	19.0			
	75	0	18.26	18.21	18.24	19.0			
	1	0	18.26	18.18	18.18	19.0			
	75	19	18.25	18.25	18.25	19.0			
	1	74	18.21	18.36	18.32	19.0			
BW Modulation	Channel	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5
	Frequency (MHz)	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5
	30	59	18.33	18.31	18.25	19.0			
	30	59	18.36	18.28	18.31	19.0			
	30	59	18.36	18.28	18.31	19.0			
BW Modulation	Channel	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5
	Frequency (MHz)	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5
	1	0	21.22	21.04	21.19	22.0</			

BW	Modulation	LTE Band 2 (4x4)									
		RB Size	Channel		Line		Power		Rate		Max. T-Error (dB)
			Frequency (MHz)	1800	1800	1800	1800	1800	1800		
3M	QPSK	1	0	10.88	12.07	12.87	14	14	14	14	14
		1	50	11.09	12.01	12.65	14	14	14	14	
		1	99	12.88	12.82	12.92	14	14	14	14	
		50	0	12.05	11.88	11.95	13	13	13	13	
	16QAM	50	25	12.07	11.93	12.04	14	14	14	14	
		50	50	12.88	11.93	12.05	13	13	13	13	
		100	0	12.76	11.93	12.04	14	14	14	14	
		1	0	11.72	11.93	12.04	14	14	14	14	
	64QAM	1	50	11.84	11.78	11.85	13	13	13	13	
		1	99	12.04	11.82	11.92	12	12	12	12	
		1	0	10.95	11.24	11.20	10	10	10	10	
		1	50	12.07	11.93	12.04	14	14	14	14	
3M	QPSK	1	99	10.94	11.13	11.04	12	12	12	12	
		50	0	9.93	9.97	9.97	11	11	11	11	
		50	25	10.98	10.93	11.02	12	12	12	12	
		50	50	9.92	10.08	10.08	11	11	11	11	
	16QAM	100	0	10.94	11.02	11.02	11	11	11	11	
		1	0	9.72	9.72	9.72	9	9	9	9	
		1	50	7.98	8.03	8.03	9	9	9	9	
		1	99	9.94	9.94	9.94	9	9	9	9	
	256QAM	50	0	7.99	8.01	8.01	9	9	9	9	
		50	25	8.91	8.91	8.91	9	9	9	9	
		50	50	7.92	7.92	7.92	9	9	9	9	
		100	0	7.95	8.01	8.05	9	9	9	9	
3M	QPSK	1	0	12.97	12.97	12.97	14	14	14	14	
		1	37	12.95	12.77	12.87	14	14	14	14	
		1	74	12.94	12.67	12.75	13	13	13	13	
		36	0	12.02	11.79	11.84	13	13	13	13	
	16QAM	36	19	10.95	11.77	11.83	13	13	13	13	
		36	39	9.77	11.88	11.92	12	12	12	12	
		75	0	11.94	11.89	11.77	13	13	13	13	
		1	0	11.87	11.88	11.88	13	13	13	13	
	64QAM	1	37	11.82	11.83	11.74	12	12	12	12	
		1	74	11.84	11.68	11.72	13	13	13	13	
		36	0	9.64	11.67	11.67	12	12	12	12	
		36	19	10.92	10.93	10.85	12	12	12	12	
3M	QPSK	1	0	10.93	11.25	10.88	13	13	13	13	
		1	37	10.95	11.02	11.02	12	12	12	12	
		1	74	10.92	11.11	11.07	12	12	12	12	
		36	0	9.82	9.72	9.88	11	11	11	11	
	16QAM	36	19	9.96	10.92	10.92	11	11	11	11	
		36	39	8.92	9.97	9.97	11	11	11	11	
		75	0	9.95	9.94	9.78	11	11	11	11	
		1	0	9.92	9.92	9.78	9	9	9	9	
	256QAM	1	37	9.92	9.92	9.78	9	9	9	9	
		1	74	8.90	8.80	7.95	9	9	9	9	
		36	0	7.98	7.98	7.98	9	9	9	9	
		36	19	7.94	7.94	7.98	9	9	9	9	
3M	QPSK	1	0	12.97	12.97	12.97	14	14	14	14	
		1	37	12.95	12.77	12.87	14	14	14	14	
		1	74	12.94	12.67	12.75	13	13	13	13	
		36	0	12.02	11.79	11.84	13	13	13	13	
	16QAM	36	19	10.95	11.77	11.83	13	13	13	13	
		36	39	9.77	11.88	11.92	12	12	12	12	
		75	0	11.94	11.89	11.77	13	13	13	13	
		1	0	11.87	11.88	11.88	13	13	13	13	
	64QAM	1	37	11.82	11.83	11.74	12	12	12	12	
		1	74	11.84	11.68	11.72	13	13	13	13	
		36	0	9.64	11.67	11.67	12	12	12	12	
		36	19	10.92	10.93	10.85	12	12	12	12	
3M	QPSK	1	0	7.98	8.00	7.82	9	9	9	9	
		1	24	7.91	7.72	7.70	9	9	9	9	
		1	49	9.97	9.96	9.74	9	9	9	9	
		25	0	7.82	7.78	7.74	9	9	9	9	
	16QAM	25	12	7.82	7.90	7.77	9	9	9	9	
		25	25	7.71	7.86	7.83	9	9	9	9	
		50	0	7.75	7.70	7.63	9	9	9	9	
		1	0	10.75	10.67	10.68	11	11	11	11	
	64QAM	1	12	11.58	11.74	11.77	13	13	13	13	
		1	24	11.45	11.55	11.61	13	13	13	13	
		1	49	11.08	11.49	11.59	13	13	13	13	
		25	12	10.76	10.73	10.74	12	12	12	12	
3M	QPSK	1	0	10.76	10.73	10.74	12	12	12	12	
		1	24	10.76	10.73	10.74	12	12	12	12	
		1	49	10.88	10.86	10.87	12	12	12	12	
		25	12	9.91	9.96	9.86	11	11	11	11	
	16QAM	25	25	9.91	9.96	9.86	11	11	11	11	
		50	0	9.93	9.93	9.89	11	11	11	11	
		1	0	7.98	8.00	7.82	9	9	9	9	
		1	24	7.91	7.72	7.70	9	9	9	9	
	256QAM	1	49	9.97	9.96	9.74	9	9	9	9	
		25	0	7.82	7.78	7.74	9	9	9	9	
		25	12	7.82	7.90	7.77	9	9	9	9	
		25	25	7.71	7.86	7.83	9	9	9	9	
3M	QPSK	1	0	12.97	12.97	12.97	14	14	14	14	
		1	12	12.95	12.74	12.87	14	14	14	14	
		1	24	12.77	12.49	12.67	13	13	13	13	
		12	0	11.88	11.69	11.65	13	13	13	13	
	16QAM	12	13	11.60	11.58	11.75	13	13	13	13	
		12	13	11.90	11.89	11.77	12	12	12	12	
		25	0	11.84	11.68	11.67	13	13	13	13	
		1	0	11.72	11.69	11.63	13	13	13	13	
	64QAM	1	24	11.45	11.55	11.61	13	13	13	13	
		1	12	11.07	11.13	11.08	13	13	13	13	
		12	13	10.76	10.73	10.74	12	12	12	12	
		12	13	10.95	10.92	10.74	12	12	12	12	
3M	QPSK	1	0	10.75	10.67	10.68	11	11	11	11	
		1	12	10.92	10.77	10.87	12	12	12	12	
		1	24	10.80	10.73	10.74	12	12	12	12	
		12	0	9.78	9.69	9.80	11	11	11	11	
	16QAM	12	13	9.68	9.68	9.81	11	11	11	11	
		25	0	9.83	9.80	9.80	11	11	11	11	
		1	0	7.98	7.87	7.87	9	9	9	9	
		1	24	7.92	7.80	7.74	9	9	9	9	
	256QAM	1	12	7.73	7.67	7.67	9	9	9	9	
		1	24	7.92	7.88	7.74	9	9	9	9	
		12	0	7.68	7.62	7.62	9	9	9	9	
		12	13	7.68	7.70	7.66	9	9	9	9	
3M	QPSK	1	0	12.97	12.97	12.97	14	14	14	14	
		1	12	12.95	12.74	12.87	14	14	14	14	
		1	24	12.77	12.49	12.67	13	13	13	13	
		12	0	11.88	11.69	11.65	13	13	13	13	
	16QAM	12	13	11.60	11.58	11.75	13	13	13	13	
		12	13	11.90	11.89	11.77	12	12	12	12	
		25	0	11.84	11.68	11.67	13	13	13	13	
		1	0	11.72	11.69	11.63	13	13	13	13	
	64QAM	1	24	11.45	11.55	11.61	13	13	13	13	
		1	12	11.07	11.13	11.08	13	13	13	13	
		12	13	10.76	10.73	10.74	12	12	12	12	
		12	13	10.95	10.92	10.74	12	12	12	12	
3M	QPSK	1	0	10.75	10.67	10.68	11	11	11	11	
		1	12	10.92	10.77	10.87	12	12	12	12	
		1	24	10.80	10.73	10.74	12	12	12	12	
		12	0	9.78	9.69	9.80	11	11	11	11	
	16QAM	12	13	9.68	9.68	9.81	11	11	11	11	
		25	0	9.83	9.80	9.80	11	11	11	11	
		1	0	7.98	7.87	7.87	9	9	9	9	
		1	24	7.92	7.80	7.74	9	9	9	9	
	256QAM	1	12	7.73	7.67	7.67	9	9	9	9	
		1	24	7.92	7.88	7.74	9	9	9	9	
		12	0	7.68	7.62	7.62	9	9	9	9	
		12	13	7.68	7.70	7.66	9	9	9	9	
3M	QPSK	1	0	12.97	12.97	12.97	14	14	14	14	
		1	12	12.95	12.74	12.87	14	14	14	14	
		1	24	12.77	12.49	12.67	13	13	13	13	
		12	0	11.88	11.69	11.65	13	13	13	13	
	16QAM	12	13	11.60	11.58	11.75	13	13	13	13	
		12	13	11.90	11.89	11.77	12	12	12	12	
		25	0	11.84	11.68	11.67	13	13	13	13	
		1	0	11.72	11.69	11.63	13	13	13	13	
	64QAM	1	24	11.45	11.55	11.61	13	13	13	13	
		1	12	11.07	11.13	11.08	13	13	13	13	
		12	13	10.76	10.73	10.74	12	12	12	12	
		12	13	10.95	10.92	10.74	12	12	12	12	
3M	QPSK	1	0	10.75	10.67	10.68	11	11	11	11	
		1	12	10.92	10.77	10.87	12	12	12	12	
		1	24	10.80	10.73	10.74	12	12	12	12	
		12	0	9.78	9.69	9.80	11	11	11	11	
	16QAM	12	13	9.68	9.68	9.81	11	11	11	11	
		25	0	9.83	9.80	9.80	11	11	11	11	
		1	0	7.98	7.87	7.87	9	9	9	9	
		1	24	7.92	7.80	7.74	9	9	9	9	
	256QAM	1	12	7.73	7.67	7.67	9	9	9	9	
		1	24	7.92	7.88	7.74	9	9	9	9	
		12	0	7.68	7.62	7.62	9	9	9	9	
		12	13	7.68	7.70	7.66	9	9	9	9	
3M	QPSK	1	0	12.97	12.97	12.97	14	14	14	14	
		1	12	12.95	12.74	12.87	14	14	14	14	
		1	24	12.77	12.49	12.67	13	13	13		

[illegible]

LTE Band 4 (Ant2)										
BW	Modulation	RB Size	RB Offset		Low	Mid	High	Max. Throughput (Mbps)	Max. Power (dBm)	
			Channel	Low						
20M	OFDM	1	0	13.64	13.65	13.63	15	1700	1700.0	
		1	50	13.73	13.90	13.81	15	1700	1700.0	
		1	99	13.82	13.87	13.88	15	1700	1700.0	
		50	0	12.73	12.87	12.88	14	1700	1700.0	
		50	25	12.80	12.84	12.85	14	1700	1700.0	
		100	0	12.80	12.82	12.80	14	1700	1700.0	
		1	50	13.64	13.65	13.63	14	1700	1700.0	
		1	99	13.74	13.74	13.67	14	1700	1700.0	
		1	99	13.68	13.75	13.75	14	1700	1700.0	
		50	50	12.62	11.86	11.86	13	1700	1700.0	
40M	OFDM	1	0	12.26	12.21	12.24	13	1700	1700.0	
		1	50	12.26	12.19	12.11	13	1700	1700.0	
		1	99	12.23	12.12	12.12	13	1700	1700.0	
		50	0	11.60	10.90	11.05	12	1700	1700.0	
		50	25	10.90	10.91	10.99	12	1700	1700.0	
		100	0	10.90	11.02	11.10	12	1700	1700.0	
		1	50	9.03	8.96	8.96	10	1700	1700.0	
		1	99	9.12	9.12	9.11	10	1700	1700.0	
		50	25	8.84	8.90	8.91	10	1700	1700.0	
		50	50	8.64	8.60	8.60	10	1700	1700.0	
20M	OFDM	1	0	13.64	13.65	13.63	15	1700	1700.0	
		1	50	13.73	13.90	13.81	15	1700	1700.0	
		1	99	13.82	13.87	13.88	15	1700	1700.0	
		50	0	12.73	12.87	12.88	14	1700	1700.0	
		50	25	12.80	12.84	12.85	14	1700	1700.0	
		100	0	12.80	12.82	12.80	14	1700	1700.0	
		1	50	13.64	13.65	13.63	14	1700	1700.0	
		1	99	13.74	13.74	13.67	14	1700	1700.0	
		1	99	13.68	13.75	13.75	14	1700	1700.0	
		50	50	12.62	11.86	11.86	13	1700	1700.0	
40M	OFDM	1	0	12.26	12.21	12.24	13	1700	1700.0	
		1	50	12.26	12.19	12.11	13	1700	1700.0	
		1	99	12.23	12.12	12.12	13	1700	1700.0	
		50	0	11.60	10.90	11.05	12	1700	1700.0	
		50	25	10.90	10.91	10.99	12	1700	1700.0	
		100	0	10.90	11.02	11.10	12	1700	1700.0	
		1	50	9.03	8.96	8.96	10	1700	1700.0	
		1	99	9.12	9.12	9.11	10	1700	1700.0	
		50	25	8.84	8.90	8.91	10	1700	1700.0	
		50	50	8.64	8.60	8.60	10	1700	1700.0	
20M	OFDM	Channel	2015	2017	2018	2019	Max. Throughput (Mbps)	Channel	2015	2017
		Frequency (MHz)	1700.0	1700.0	1700.0	1700.0	15	1700	1700.0	1700.0
		1	0	13.61	13.64	13.65	15	1700	1700.0	1700.0
		1	24	13.67	13.85	13.75	15	1700	1700.0	1700.0
		1	49	13.76	13.85	13.72	15	1700	1700.0	1700.0
		25	0	12.61	12.80	12.74	14	1700	1700.0	1700.0
		25	12	12.67	12.91	12.74	14	1700	1700.0	1700.0
		25	25	12.74	12.83	12.71	14	1700	1700.0	1700.0
		50	0	12.80	12.88	12.77	14	1700	1700.0	1700.0
		1	0	12.86	12.84	12.71	14	1700	1700.0	1700.0
40M	OFDM	1	24	13.00	13.00	13.00	14	1700	1700.0	1700.0
		1	49	13.06	13.01	13.01	14	1700	1700.0	1700.0
		1	49	13.08	13.01	13.01	14	1700	1700.0	1700.0
		25	0	11.68	11.79	11.71	13	1700	1700.0	1700.0
		25	12	11.73	11.79	11.80	13	1700	1700.0	1700.0
		25	25	11.91	11.77	11.78	13	1700	1700.0	1700.0
		50	0	11.78	11.61	11.73	13	1700	1700.0	1700.0
		1	24	12.04	12.07	11.91	13	1700	1700.0	1700.0
		1	49	12.04	12.01	12.03	13	1700	1700.0	1700.0
		25	0	10.80	10.78	11.01	12	1700	1700.0	1700.0
20M	OFDM	1	0	8.80	8.77	8.87	10	1700	1700.0	1700.0
		1	24	8.80	8.80	8.78	10	1700	1700.0	1700.0
		1	49	8.82	8.83	8.80	10	1700	1700.0	1700.0
		25	0	8.74	8.80	8.80	10	1700	1700.0	1700.0
		25	12	8.79	8.86	8.87	10	1700	1700.0	1700.0
		25	25	8.95	8.84	8.90	10	1700	1700.0	1700.0
		50	0	8.85	8.83	8.70	10	1700	1700.0	1700.0
		50	0	8.85	8.85	8.70	10	1700	1700.0	1700.0
		50	0	8.85	8.85	8.70	10	1700	1700.0	1700.0
		50	0	8.85	8.85	8.70	10	1700	1700.0	1700.0
40M	OFDM	Channel	2015	2017	2018	2019	Max. Throughput (Mbps)	Channel	2015	2017
		Frequency (MHz)	1800.0	1800.0	1800.0	1800.0	15	1800	1800.0	1800.0
		1	0	13.50	13.61	13.54	15	1800	1800.0	1800.0
		1	12	13.57	13.60	13.65	15	1800	1800.0	1800.0
		1	24	13.66	13.73	13.63	15	1800	1800.0	1800.0
		12	0	12.50	12.60	12.66	14	1800	1800.0	1800.0
		12	6	12.48	12.80	12.67	14	1800	1800.0	1800.0
		12	13	12.60	12.71	12.61	14	1800	1800.0	1800.0
		25	0	12.80	12.85	12.76	14	1800	1800.0	1800.0
		1	0	12.70	12.70	12.67	14	1800	1800.0	1800.0
20M	OFDM	1	24	12.80	12.84	12.87	14	1800	1800.0	1800.0
		1	49	13.06	13.01	13.01	14	1800	1800.0	1800.0
		25	0	11.80	11.79	11.71	13	1800	1800.0	1800.0
		25	12	11.73	11.79	11.80	13	1800	1800.0	1800.0
		25	25	11.91	11.77	11.78	13	1800	1800.0	1800.0
		50	0	11.70	11.61	11.73	13	1800	1800.0	1800.0
		1	0	12.04	12.08	11.91	13	1800	1800.0	1800.0
		1	24	12.06	12.07	12.06	13	1800	1800.0	1800.0
		25	0	10.80	10.78	11.01	12	1800	1800.0	1800.0
		25	0	10.70	10.73	10.85	12	1800	1800.0	1800.0
40M	OFDM	1	0	8.80	8.77	8.87	10	1800	1800.0	1800.0
		1	24	8.80	8.80	8.78	10	1800	1800.0	1800.0
		1	49	8.82	8.83	8.80	10	1800	1800.0	1800.0
		25	0	8.74	8.80	8.80	10	1800	1800.0	1800.0
		25	12	8.79	8.86	8.87	10	1800	1800.0	1800.0
		25	25	8.95	8.84	8.90	10	1800	1800.0	1800.0
		50	0	8.85	8.83	8.70	10	1800	1800.0	1800.0
		50	0	8.85	8.85	8.70	10	1800	1800.0	1800.0
		50	0	8.85	8.85	8.70	10	1800	1800.0	1800.0
		50	0	8.85	8.85	8.70	10	1800	1800.0	1800.0
20M	OFDM	Channel	1900.0	1900.0	1900.0	1900.0	Max. Throughput (Mbps)	Channel	1900.0	1900.0
		Frequency (MHz)	1900.0	1900.0	1900.0	1900.0	15	1900	1900.0	1900.0
		1	0	13.50	13.61	13.54	15	1900	1900.0	1900.0
		1	14	13.57	13.60	13.65	15	1900	1900.0	1900.0
		1	24	13.66	13.73	13.63	15	1900	1900.0	1900.0
		8	0	12.43	12.59	12.64	14	1900	1900.0	1900.0
		8	3	12.48	12.77	12.56	14	1900	1900.0	1900.0
		8	7	12.56	12.64	12.67	14	1900	1900.0	1900.0
		15	0	12.60	12.64	12.72	14	1900	1900.0	1900.0
		1	0	12.62	12.65	12.64	14	1900	1900.0	1900.0
40M	OFDM	1	7	12.60	12.68	12.50	14	1900	1900.0	1900.0
		1	14	12.63	12.80	12.76	14	1900	1900.0	1900.0
		8	0	11.80	11.68	11.68	13	1900	1900.0	1900.0
		8	3	11.60	11.59	11.68	13	1900	1900.0	1900.0
		8	7	11.75	11.48	11.54	13	1900	1900.0	1900.0
		15	0	11.85	11.87	11.70	13	1900	1900.0	1900.0
		1	7	11.92	11.84	11.93	13	1900	1900.0	1900.0
		1	14	11.83	11.80	11.80	13	1900	1900.0	1900.0
		8	0	10.83	10.88	10.78	12	1900	1900.0	1900.0
		8	3	10.87	10.85	10.72	12	1900	1900.0	1900.0
20M	OFDM	1	0	8.80	8.77	8.87	10	1900	1900.0	1900.0
		1	24	8.81	8.81	8.87	10	1900	1900.0	1900.0
		1	49	8.81	8.86	8.87	10	1900	1900.0	1900.0
		25	0	8.74	8.80	8.87	10	1900	1900.0	1900.0
		25	12	8.61	8.76	8.80	10	1900	1900.0	1900.0
		25	25	8.65	8.81	8.87	10	1900	1900.0	1900.0
		12	13	8.84	8.87	8.77	10	1900	1900.0	1900.0
		25	0	8.77	8.73	8.65	10	1900	1900.0	1900.0
		25	0	8.77	8.73	8.65	10	1900	1900.0	1900.0
		25	0	8.77	8.73	8.65	10	1900	1900.0	1900.0
40M	OFDM	Channel	1800.0	1800.0	1800.0	1800.0	Max. Throughput (Mbps)	Channel	1800.0	1800.0
		Frequency (MHz)	1800.0	1800.0	1800.0	1800.0	15	1800	1800.0	1800.0
		1	0	13.50	13.61	13.54	15	1800	1800.0	1800.0
		1	14	13.57	13.60	13.65	15	1800	1800.0	1800.0
		1	24	13.66	13.73	13.63	15	1800	1800.0	1800.0
		8	0	12.43	12.59	12.64	14	1800	1800.0	1800.0
		8	3	12.48	12.77	12.56	14	1800	1800.0	1800.0
		8	7	12.56	12.64	12.67	14	1800	1800.0	1800.0
		15	0	12.60	12.64	12.72	14	1800	1800.0	1800.0
		1	0	12.62	12.65	12.64	14	1800	1800.0	1800.0
20M	OFDM	1	0	8.80	8.77	8.87	10	1800	1800.0	1800.0
		1	24	8.81	8.81	8.87	10	1800	1800.0	1800.0
		1	49	8.81	8.86	8.87	10	1800	1800.0	1800.0
		25	0	8.74	8.80	8.87	10	1800	1800.0	1800.0
		25	12	8.61	8.76	8.80	10	1800	1800.0	1800.0
		25	25	8.65	8.81	8.87	10	1800	1800.0	1800.0
		12	13	8.8						

LTE Band 12 (Aar2)															
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (MHz)	RB Size	RB Offset						
		Channel	2380	2380	2380	2380									
10M	QPSK	Frequency (MHz)	786	786.5	787	787.5	25.5	10M	QPSK	Frequency (MHz)	786.5	786.5	786.5	786.5	25.5
		1	0	24.10	24.20	24.21	25.5			1	0	24.10	24.20	24.21	25.5
		1	24	24.20	24.24	24.22	25.5			1	24	24.20	24.24	24.22	25.5
		1	49	24.20	24.11	24.08	25.5			1	49	24.20	24.11	24.08	25.5
		25	0	23.20	23.21	23.19	24.5			25	0	23.20	23.21	23.19	24.5
	16QAM	25	25	23.20	23.20	23.20	24.5		25	25	23.20	23.20	23.20	24.5	
		50	0	23.20	23.27	23.20	24.5		50	0	23.20	23.27	23.20	24.5	
		1	24	23.40	23.48	23.42	24.5		1	24	23.40	23.48	23.42	24.5	
		1	49	23.37	23.31	23.31	24.5		1	49	23.37	23.31	23.31	24.5	
		25	12	22.30	22.32	22.16	23.5		25	12	22.30	22.32	22.16	23.5	
20M	QPSK	25	25	22.24	22.26	22.10	23.5	25	25	22.24	22.26	22.10	23.5		
		50	0	22.27	22.23	22.20	23.5	50	0	22.27	22.23	22.20	23.5		
		1	0	22.44	22.44	22.34	23.5	1	0	22.44	22.44	22.34	23.5		
		1	24	22.40	22.47	22.36	23.5	1	24	22.40	22.47	22.36	23.5		
		1	49	22.39	22.39	22.29	23.5	1	49	22.39	22.39	22.29	23.5		
	16QAM	25	12	22.30	22.32	22.16	23.5	25	12	22.30	22.32	22.16	23.5		
		25	25	22.24	22.26	22.10	23.5	25	25	22.24	22.26	22.10	23.5		
		50	0	22.27	22.23	22.20	23.5	50	0	22.27	22.23	22.20	23.5		
		1	0	22.44	22.44	22.34	23.5	1	0	22.44	22.44	22.34	23.5		
		1	24	22.40	22.47	22.36	23.5	1	24	22.40	22.47	22.36	23.5		
30M	QPSK	25	12	22.30	22.32	22.16	23.5	25	12	22.30	22.32	22.16	23.5		
		25	25	22.24	22.26	22.10	23.5	25	25	22.24	22.26	22.10	23.5		
		50	0	22.27	22.23	22.20	23.5	50	0	22.27	22.23	22.20	23.5		
		1	0	22.44	22.44	22.34	23.5	1	0	22.44	22.44	22.34	23.5		
		1	24	22.40	22.47	22.36	23.5	1	24	22.40	22.47	22.36	23.5		
	16QAM	25	12	22.30	22.32	22.16	23.5	25	12	22.30	22.32	22.16	23.5		
		25	25	22.24	22.26	22.10	23.5	25	25	22.24	22.26	22.10	23.5		
		50	0	22.27	22.23	22.20	23.5	50	0	22.27	22.23	22.20	23.5		
		1	0	22.44	22.44	22.34	23.5	1	0	22.44	22.44	22.34	23.5		
		1	24	22.40	22.47	22.36	23.5	1	24	22.40	22.47	22.36	23.5		
40M	QPSK	25	12	22.30	22.32	22.16	23.5	25	12	22.30	22.32	22.16	23.5		
		25	25	22.24	22.26	22.10	23.5	25	25	22.24	22.26	22.10	23.5		
		50	0	22.27	22.23	22.20	23.5	50	0	22.27	22.23	22.20	23.5		
		1	0	22.44	22.44	22.34	23.5	1	0	22.44	22.44	22.34	23.5		
		1	24	22.40	22.47	22.36	23.5	1	24	22.40	22.47	22.36	23.5		
	16QAM	25	12	22.30	22.32	22.16	23.5	25	12	22.30	22.32	22.16	23.5		
		25	25	22.24	22.26	22.10	23.5	25	25	22.24	22.26	22.10	23.5		
		50	0	22.27	22.23	22.20	23.5	50	0	22.27	22.23	22.20	23.5		
		1	0	22.44	22.44	22.34	23.5	1	0	22.44	22.44	22.34	23.5		
		1	24	22.40	22.47	22.36	23.5	1	24	22.40	22.47	22.36	23.5		
50M	QPSK	25	12	22.30	22.32	22.16	23.5	25	12	22.30	22.32	22.16	23.5		
		25	25	22.24	22.26	22.10	23.5	25	25	22.24	22.26	22.10	23.5		
		50	0	22.27	22.23	22.20	23.5	50	0	22.27	22.23	22.20	23.5		
		1	0	22.44	22.44	22.34	23.5	1	0	22.44	22.44	22.34	23.5		
		1	24	22.40	22.47	22.36	23.5	1	24	22.40	22.47	22.36	23.5		
	16QAM	25	12	22.30	22.32	22.16	23.5	25	12	22.30	22.32	22.16	23.5		
		25	25	22.24	22.26	22.10	23.5	25	25	22.24	22.26	22.10	23.5		
		50	0	22.27	22.23	22.20	23.5	50	0	22.27	22.23	22.20	23.5		
		1	0	22.44	22.44	22.34	23.5	1	0	22.44	22.44	22.34	23.5		
		1	24	22.40	22.47	22.36	23.5	1	24	22.40	22.47	22.36	23.5		
60M	QPSK	25	12	22.30	22.32	22.16	23.5	25	12	22.30	22.32	22.16	23.5		
		25	25	22.24	22.26	22.10	23.5	25	25	22.24	22.26	22.10	23.5		
		50	0	22.27	22.23	22.20	23.5	50	0	22.27	22.23	22.20	23.5		
		1	0	22.44	22.44	22.34	23.5	1	0	22.44	22.44	22.34	23.5		
		1	24	22.40	22.47	22.36	23.5	1	24	22.40	22.47	22.36	23.5		
	16QAM	25	12	22.30	22.32	22.16	23.5	25	12	22.30	22.32	22.16	23.5		
		25	25	22.24	22.26	22.10	23.5	25	25	22.24	22.26	22.10	23.5		
		50	0	22.27	22.23	22.20	23.5	50	0	22.27	22.23	22.20	23.5		
		1	0	22.44	22.44	22.34	23.5	1	0	22.44	22.44	22.34	23.5		
		1	24	22.40	22.47	22.36	23.5	1	24	22.40	22.47	22.36	23.5		
70M	QPSK	25	12	22.30	22.32	22.16	23.5	25	12	22.30	22.32	22.16	23.5		
		25	25	22.24	22.26	22.10	23.5	25	25	22.24	22.26	22.10	23.5		
		50	0	22.27	22.23	22.20	23.5	50	0	22.27	22.23	22.20	23.5		
		1	0	22.44	22.44	22.34	23.5	1	0	22.44	22.44	22.34	23.5		
		1	24	22.40	22.47	22.36	23.5	1	24	22.40	22.47	22.36	23.5		
	16QAM	25	12	22.30	22.32	22.16	23.5	25	12	22.30	22.32	22.16	23.5		
		25	25	22.24	22.26	22.10	23.5	25	25	22.24	22.26	22.10	23.5		
		50	0	22.27	22.23	22.20	23.5	50	0	22.27	22.23	22.20	23.5		
		1	0	22.44	22.44	22.34	23.5	1	0	22.44	22.44	22.34	23.5		
		1	24	22.40	22.47	22.36	23.5	1	24	22.40	22.47	22.36	23.5		
80M	QPSK	25	12	22.30	22.32	22.16	23.5	25	12	22.30	22.32	22.16	23.5		
		25	25	22.24	22.26	22.10	23.5	25	25	22.24	22.26	22.10	23.5		
		50	0	22.27	22.23	22.20	23.5	50	0	22.27	22.23	22.20	23.5		
		1	0	22.44	22.44	22.34	23.5	1	0	22.44	22.44	22.34	23.5		
		1	24	22.40	22.47	22.36	23.5	1	24	22.40	22.47	22.36	23.5		
	16QAM	25	12	22.30	22.32	22.16	23.5	25	12	22.30	22.32	22.16	23.5		
		25	25	22.24	22.26	22.10	23.5	25	25	22.24	22.26	22.10	23.5		
		50	0	22.27	22.23	22.20	23.5	50	0	22.27	22.23	22.20	23.5		
		1	0	22.44	22.44	22.34	23.5	1	0	22.44	22.44	22.34	23.5		
		1	24	22.40	22.47	22.36	23.5	1	24	22.40	22.47	22.36	23.5		
90M	QPSK	25	12	22.30	22.32	22.16	23.5	25	12	22.30	22.32	22.16	23.5		
		25	25	22.24	22.26	22.10	23.5	25	25	22.24	22.26	22.10	23.5		
		50	0	22.27	22.23	22.20	23.5	50	0	22.27	22.23	22.20	23.5		
		1	0	22.44	22.44	22.34	23.5	1	0	22.44	22.44	22.34	23.5		
		1	24	22.40	22.47	22.36	23.5	1	24	22.40	22.47	22.36	23.5		
	16QAM	25	12	22.30	22.32	22.16	23.5	25	12	22.30	22.32	22.16	23.5		
		25	25	22.24	22.26	22.10	23.5	25	25	22.24	22.26	22.10	23.5		
		50	0	22.27	22.23	22.20	23.5	50	0	22.27	22.23	22.20	23.5		
		1	0	22.44	22.44	22.34	23.5	1	0	22.44	22.44	22.34	23.5		
		1	24	22.40	22.47	22.36	23.5	1	24	22.40	22.47	22.36	23.5		

LTE Band 40 (Axi4)									
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)	Channel Frequency (MHz)	Max. Time-avg. Power (dBm)
		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)					
20M	QPSK	1	0	17.68	17.49	17.92	18.5	17.68	18.5
		1	50	17.82	17.69	17.95	18.5	17.82	18.5
		1	99	17.76	17.62	17.93	18.5	17.76	18.5
		50	0	16.85	16.84	16.96	17.5	16.85	17.5
		50	50	16.88	16.74	17.05	17.5	16.88	17.5
		100	0	16.89	16.71	16.82	17.5	16.89	17.5
		1	50	16.92	16.81	16.96	17.5	16.92	17.5
		1	99	16.85	16.51	16.86	17.5	16.85	17.5
		50	50	15.86	15.68	15.90	16.5	15.86	16.5
		50	50	15.95	15.65	15.91	16.5	15.95	16.5
20M	16QAM	1	0	15.89	15.59	15.90	16.5	15.89	16.5
		1	50	15.92	15.62	15.95	16.5	15.92	16.5
		1	99	15.84	15.59	15.95	16.5	15.84	16.5
		50	0	14.87	14.80	14.91	15.5	14.87	15.5
		50	50	14.89	14.65	15.07	15.5	14.89	15.5
		100	0	14.87	14.85	14.89	15.5	14.87	15.5
		1	50	15.78	15.47	15.79	15.5	15.78	15.5
		1	99	15.83	15.74	15.95	15.5	15.83	15.5
		50	50	12.85	12.73	12.88	13.5	12.85	13.5
		50	50	12.86	12.65	12.90	13.5	12.86	13.5
20M	64QAM	1	0	12.85	12.74	12.95	13.5	12.85	13.5
		1	50	12.83	12.74	12.95	13.5	12.83	13.5
		1	99	12.85	12.73	12.88	13.5	12.85	13.5
		50	0	10.75	10.66	10.82	11.5	10.75	11.5
		50	50	10.68	10.76	10.97	11.5	10.68	11.5
		100	0	10.68	10.68	10.76	11.5	10.68	11.5
		1	50	12.85	12.76	13.07	13.5	12.85	13.5
		50	50	12.80	12.68	12.98	13.5	12.80	13.5
		100	0	12.87	12.75	12.95	13.5	12.87	13.5
		100	0	12.87	12.75	12.95	13.5	12.87	13.5
20M	QPSK	1	0	17.68	17.49	17.92	18.5	17.68	18.5
		1	50	17.82	17.69	17.95	18.5	17.82	18.5
		1	99	17.76	17.62	17.93	18.5	17.76	18.5
		50	0	16.85	16.84	16.96	17.5	16.85	17.5
		50	50	16.88	16.74	17.05	17.5	16.88	17.5
		100	0	16.89	16.71	16.82	17.5	16.89	17.5
		1	50	16.92	16.81	16.96	17.5	16.92	17.5
		1	99	16.85	16.51	16.86	17.5	16.85	17.5
		50	50	15.86	15.68	15.90	16.5	15.86	16.5
		50	50	15.95	15.65	15.91	16.5	15.95	16.5
20M	16QAM	1	0	15.89	15.59	15.90	16.5	15.89	16.5
		1	50	15.92	15.62	15.95	16.5	15.92	16.5
		1	99	15.84	15.59	15.95	16.5	15.84	16.5
		50	0	14.87	14.80	14.91	15.5	14.87	15.5
		50	50	14.89	14.65	15.07	15.5	14.89	15.5
		100	0	14.87	14.85	14.89	15.5	14.87	15.5
		1	50	15.78	15.47	15.79	15.5	15.78	15.5
		1	99	15.83	15.74	15.95	15.5	15.83	15.5
		50	50	12.85	12.73	12.88	13.5	12.85	13.5
		50	50	12.86	12.65	12.90	13.5	12.86	13.5
20M	64QAM	1	0	12.85	12.74	12.95	13.5	12.85	13.5
		1	50	12.83	12.74	12.95	13.5	12.83	13.5
		1	99	12.85	12.73	12.88	13.5	12.85	13.5
		50	0	10.75	10.66	10.82	11.5	10.75	11.5
		50	50	10.68	10.76	10.97	11.5	10.68	11.5
		100	0	10.68	10.68	10.76	11.5	10.68	11.5
		1	50	12.85	12.76	13.07	13.5	12.85	13.5
		50	50	12.80	12.68	12.98	13.5	12.80	13.5
		100	0	12.87	12.75	12.95	13.5	12.87	13.5
		100	0	12.87	12.75	12.95	13.5	12.87	13.5
20M	QPSK	1	0	17.68	17.49	17.92	18.5	17.68	18.5
		1	50	17.82	17.69	17.95	18.5	17.82	18.5
		1	99	17.76	17.62	17.93	18.5	17.76	18.5
		50	0	16.85	16.84	16.96	17.5	16.85	17.5
		50	50	16.88	16.74	17.05	17.5	16.88	17.5
		100	0	16.89	16.71	16.82	17.5	16.89	17.5
		1	50	16.92	16.81	16.96	17.5	16.92	17.5
		1	99	16.85	16.51	16.86	17.5	16.85	17.5
		50	50	15.86	15.68	15.90	16.5	15.86	16.5
		50	50	15.95	15.65	15.91	16.5	15.95	16.5
20M	16QAM	1	0	15.89	15.59	15.90	16.5	15.89	16.5
		1	50	15.92	15.62	15.95	16.5	15.92	16.5
		1	99	15.84	15.59	15.95	16.5	15.84	16.5
		50	0	14.87	14.80	14.91	15.5	14.87	15.5
		50	50	14.89	14.65	15.07	15.5	14.89	15.5
		100	0	14.87	14.85	14.89	15.5	14.87	15.5
		1	50	15.78	15.47	15.79	15.5	15.78	15.5
		1	99	15.83	15.74	15.95	15.5	15.83	15.5
		50	50	12.85	12.73	12.88	13.5	12.85	13.5
		50	50	12.86	12.65	12.90	13.5	12.86	13.5
20M	64QAM	1	0	12.85	12.74	12.95	13.5	12.85	13.5
		1	50	12.83	12.74	12.95	13.5	12.83	13.5
		1	99	12.85	12.73	12.88	13.5	12.85	13.5
		50	0	10.75	10.66	10.82	11.5	10.75	11.5
		50	50	10.68	10.76	10.97	11.5	10.68	11.5
		100	0	10.68	10.68	10.76	11.5	10.68	11.5
		1	50	12.85	12.76	13.07	13.5	12.85	13.5
		50	50	12.80	12.68	12.98	13.5	12.80	13.5
		100	0	12.87	12.75	12.95	13.5	12.87	13.5
		100	0	12.87	12.75	12.95	13.5	12.87	13.5
20M	QPSK	1	0	17.68	17.49	17.92	18.5	17.68	18.5
		1	50	17.82	17.69	17.95	18.5	17.82	18.5
		1	99	17.76	17.62	17.93	18.5	17.76	18.5
		50	0	16.85	16.84	16.96	17.5	16.85	17.5
		50	50	16.88	16.74	17.05	17.5	16.88	17.5
		100	0	16.89	16.71	16.82	17.5	16.89	17.5
		1	50	16.92	16.81	16.96	17.5	16.92	17.5
		1	99	16.85	16.51	16.86	17.5	16.85	17.5
		50	50	15.86	15.68	15.90	16.5	15.86	16.5
		50	50	15.95	15.65	15.91	16.5	15.95	16.5
20M	16QAM	1	0	15.89	15.59	15.90	16.5	15.89	16.5
		1	50	15.92	15.62	15.95	16.5	15.92	16.5
		1	99	15.84	15.59	15.95	16.5	15.84	16.5
		50	0	14.87	14.80	14.91	15.5	14.87	15.5
		50	50	14.89	14.65	15.07	15.5	14.89	15.5
		100	0	14.87	14.85	14.89	15.5	14.87	15.5
		1	50	15.78	15.47	15.79	15.5	15.78	15.5
		1	99	15.83	15.74	15.95	15.5	15.83	15.5
		50	50	12.85	12.73	12.88	13.5	12.85	13.5
		50	50	12.86	12.65	12.90	13.5	12.86	13.5
20M	64QAM	1	0	12.85	12.74	12.95	13.5	12.85	13.5
		1	50	12.83	12.74	12.95	13.5	12.83	13.5
		1	99	12.85	12.73	12.88	13.5	12.85	13.5
		50	0	10.75	10.66	10.82	11.5	10.75	11.5
		50	50	10.68	10.76	10.97	11.5	10.68	11.5
		100	0	10.68	10.68	10.76	11.5	10.68	11.5
		1	50	12.85	12.76	13.07	13.5	12.85	13.5
		50	50	12.80	12.68	12.98	13.5	12.80	13.5
		100	0	12.87	12.75	12.95	13.5	12.87	13.5
		100	0	12.87	12.75	12.95	13.5	12.87	13.5

Receiver on_DSI5_ENDC&Sim-T

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.44	23.41	23.47	24.5
		1	53	23.36	23.37	23.41	24.5
		1	104	23.38	23.31	23.35	24.5
		50	0	23.47	23.54	23.53	24.5
		50	28	23.46	23.46	23.55	24.5
		50	56	23.60	23.48	23.53	24.5
	DFT-s-OFDM QPSK	100	0	23.48	23.54	23.49	24.5
		1	1	23.61	23.55	23.57	24.5
		1	53	23.46	23.36	23.43	24.5
		1	104	23.11	23.47	23.32	24.5
		50	0	22.98	23.01	22.93	23.5
		50	28	23.58	23.50	23.44	24.5
	DFT-s-OFDM 16QAM	50	56	23.04	22.97	22.58	23.5
		100	0	22.98	22.95	22.93	23.5
		1	1	22.93	22.93	23.19	23.5
		1	1	21.63	21.65	21.06	22.5
		1	1	18.99	19.04	19.06	20.5
		1	1	18.99	19.04	19.06	20.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	23.58	23.47	23.48	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.55	23.45	23.44	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	23.57	23.41	23.55	24.5

n2 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	14.81	14.71	14.63	15.5
		1	53	14.75	14.62	14.66	15.5
		1	104	14.66	14.70	14.75	15.5
		50	0	14.30	14.24	14.12	15.5
		50	28	14.70	14.67	14.74	15.5
		50	56	14.16	14.15	14.13	15.5
	DFT-s-OFDM QPSK	100	0	14.15	14.25	14.11	15.5
		1	1	14.89	14.85	14.88	15.5
		1	53	14.75	14.75	14.78	15.5
		1	104	14.75	14.71	14.41	15.5
		50	0	13.82	13.71	13.77	14.5
		50	28	14.79	14.70	14.68	15.5
	DFT-s-OFDM 16QAM	50	56	13.71	13.67	13.69	14.5
		100	0	13.78	13.76	13.64	14.5
		1	1	13.81	13.85	13.77	14.5
		1	1	12.50	12.51	12.29	13.5
		1	1	10.49	10.46	10.30	11.5
		1	1	10.49	10.46	10.30	11.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	14.81	14.83	14.78	15.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	14.86	14.71	14.74	15.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	14.77	14.77	14.76	15.5

n5 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM Pi/2 BPSK	1	1	23.42	23.38	23.46	24.5
		1	53	23.48	23.51	23.45	24.5
		1	104	23.40	23.53	23.41	24.5
		50	0	23.51	23.58	23.52	24.5
		50	28	23.43	23.55	23.52	24.5
		50	56	23.50	23.53	23.56	24.5
		100	0	23.47	23.56	23.57	24.5
	DFT-s-OFDM QPSK	1	1	23.57	23.64	23.55	24.5
		1	53	23.38	23.42	23.48	24.5
		1	104	23.41	23.43	23.42	24.5
		50	0	23.52	23.58	23.50	24.5
		50	28	23.46	23.59	23.49	24.5
		50	56	23.53	23.61	23.51	24.5
		100	0	23.50	23.57	23.54	24.5
	DFT-s-OFDM 16QAM	1	1	23.32	23.43	23.39	24.5
	DFT-s-OFDM 64QAM	1	1	21.68	22.15	22.04	22.5
	DFT-s-OFDM 256QAM	1	1	19.98	19.53	19.54	20.5
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	1	1	23.49	23.62	23.53	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.50	23.55	23.44	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.43	23.51	23.52	24.5

n48 (SCS 30 kHz) (Ant4)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	23.47	23.83	24.05	24.5
		1	53	23.56	23.91	24.04	24.5
		1	104	23.70	24.11	24.09	24.5
		50	0	23.63	23.93	24.10	24.5
		50	28	23.63	23.95	24.09	24.5
		50	56	23.70	23.98	24.13	24.5
		100	0	23.61	23.91	24.09	24.5
	DFT-s-OFDM QPSK	1	1	23.71	24.12	24.16	24.5
		1	53	23.52	23.86	24.03	24.5
		1	104	23.68	23.97	24.05	24.5
		50	0	23.62	23.96	24.11	24.5
		50	28	23.57	23.93	24.04	24.5
		50	56	23.61	23.92	24.07	24.5
		100	0	23.59	23.92	23.96	24.5
	DFT-s-OFDM 16QAM	1	53	23.58	23.86	24.02	24.5
	DFT-s-OFDM 64QAM	1	53	23.36	23.59	23.60	24
	DFT-s-OFDM 256QAM	1	53	22.05	22.20	22.35	23
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	23.60	24.05	24.01	24.5
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	23.63	24.00	24.08	24.5

n66 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM P1/2 BPSK	1	1	23.43	23.44	23.41	24.5
		1	108	23.47	23.36	23.37	24.5
		1	214	23.42	23.29	23.24	24.5
		108	0	23.21	22.80	22.57	24
		108	54	23.01	22.88	23.51	24.5
		108	108	23.12	22.47	22.41	24
	DFT-s-OFDM QPSK	216	0	23.09	22.50	22.50	24
		1	1	23.51	23.54	23.33	24.5
		1	108	23.47	23.34	23.27	24.5
		1	214	23.39	23.31	23.18	24.5
		108	0	22.58	22.57	22.43	23.5
		108	54	23.25	23.49	23.30	24.5
	DFT-s-OFDM 16QAM	108	108	22.67	22.57	22.30	23.5
		216	0	22.51	22.56	22.35	23.5
		1	1	22.45	22.07	22.63	23.5
		1	1	21.18	20.94	20.53	22
		1	1	18.45	18.86	18.43	20
		1	1	18.45	18.86	18.43	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.21	23.36	23.46	24.5
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	23.37	23.24	23.15	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.29	23.41	23.35	24.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	23.18	23.27	23.17	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.09	23.22	23.31	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.23	23.41	23.36	24.5

n66 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM P1/2 BPSK	1	1	13.12	13.16	13.15	14.5
		1	108	13.09	13.12	13.14	14.5
		1	214	13.20	13.17	13.06	14.5
		108	0	12.73	12.70	12.70	14
		108	54	13.09	13.13	13.13	14.5
		108	108	12.63	12.60	12.63	14
	DFT-s-OFDM QPSK	216	0	12.62	12.54	12.63	14
		1	1	13.21	13.44	13.25	14.5
		1	108	13.04	13.14	13.05	14.5
		1	214	13.12	12.99	13.02	14.5
		108	0	12.19	12.15	12.19	13.5
		108	54	13.02	13.16	13.12	14.5
	DFT-s-OFDM 16QAM	108	108	12.11	12.14	12.03	13.5
		216	0	12.15	12.30	12.17	13.5
		1	1	12.27	12.27	12.31	13.5
		1	1	10.75	10.80	10.69	12
		1	1	8.56	8.59	8.62	10
		1	1	8.56	8.59	8.62	10
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	13.20	13.18	13.21	14.5
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	13.13	13.26	13.25	14.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	13.24	13.16	13.11	14.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	13.16	13.14	13.20	14.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	13.15	13.19	13.23	14.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	13.20	13.25	13.10	14.5

n77 (SCS 30 kHz) 3450–3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Mid		Max. Tune-up (dBm)	
		Channel		633334			
		Frequency (MHz)		3500.01			
100M	DFT-s-OFDM Pi/2 BPSK	1	1	12.69		14	
		1	137	12.47		14	
		1	271	12.47		14	
		135	0	12.58		14	
		135	69	12.66		14	
		135	138	12.60		14	
	DFT-s-OFDM QPSK	270	0	12.64		14	
		1	1	12.79		14	
		1	137	12.58		14	
		1	271	12.60		14	
		135	0	12.67		14	
		135	69	12.58		14	
	DFT-s-OFDM 16QAM	135	138	12.68		14	
		270	0	12.61		14	
		1	1	12.62		14	
		1	1	12.31		13	
		1	1	10.62		11.5	
		1	1	10.62		11.5	
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	12.61	12.72	12.66	14
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	12.67	12.77	12.68	14
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	12.61	12.75	12.73	14
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	12.70	12.77	12.74	14
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	12.70	12.77	12.74	14
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	12.61	12.71	12.64	14
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	12.71	12.71	12.69	14
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	12.69	12.77	12.66	14
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	12.59	12.72	12.63	14
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	12.69	12.67	12.73	14
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	12.67	12.77	12.65	14

n77 (SCS 30 kHz) 3700–3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3760	3840	3930	
100M	DFT-s-OFDM Pi/2 BPSK	1	1	12.82	13.28	13.50	14
		1	137	12.81	12.92	13.32	14
		1	271	12.91	13.15	13.52	14
		135	0	12.84	13.01	13.31	14
		135	69	12.83	13.08	13.27	14
		135	138	12.99	13.00	13.48	14
	DFT-s-OFDM QPSK	270	0	12.94	12.96	13.40	14
		1	1	13.05	13.51	13.58	14
		1	137	12.82	13.31	13.32	14
		1	271	12.85	13.43	13.36	14
		135	0	12.75	13.32	13.33	14
		135	69	12.82	13.26	13.26	14
	DFT-s-OFDM 16QAM	135	138	12.86	13.34	13.43	14
		270	0	12.79	13.31	13.37	14
		1	1	12.88	13.08	12.95	14
		1	1	12.82	12.80	12.84	13
		1	1	11.44	11.09	11.17	11.5
		1	1	11.44	11.09	11.17	11.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	12.99	13.49	13.54	14
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	12.89	13.37	13.44	14
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	12.80	13.30	13.47	14
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	12.91	13.38	13.43	14
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	12.89	13.31	13.41	14
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	12.89	13.29	13.49	14
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	12.92	13.27	13.45	14
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	12.93	13.36	13.46	14
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	12.94	13.31	13.38	14
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	12.89	13.29	13.42	14
BW	MCS Index	Channel		646634	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	12.94	13.28	13.41	14

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		15.71		17
		1	137		15.40		17
		1	271		15.49		17
		135	0		15.10		16.5
		135	69		15.50		17
		135	138		15.03		16.5
		270	0		15.05		16.5
	DFT-s-OFDM QPSK	1	1		15.75		17
		1	137		15.31		17
		1	271		15.41		17
		135	0		14.73		16
		135	69		15.58		17
		135	138		14.41		16
		270	0		14.66		16
	DFT-s-OFDM 16QAM	1	1		14.52		16
	DFT-s-OFDM 64QAM	1	1		13.04		14.5
	DFT-s-OFDM 256QAM	1	1		11.02		12.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	15.63	15.64	15.50	17
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	15.67	15.59	15.53	17
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	15.75	15.72	15.57	17
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	15.72	15.66	15.54	17
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	15.72	15.62	15.48	17
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	15.75	15.67	15.48	17
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	15.64	15.71	15.58	17
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	15.67	15.66	15.50	17
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	15.64	15.72	15.53	17
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	15.68	15.68	15.61	17
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	15.74	15.58	15.54	17

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	16.02	16.15	16.33	17
		1	137	15.79	15.90	16.38	17
		1	271	16.01	16.22	16.26	17
		135	0	15.40	15.45	15.76	16.5
		135	69	15.86	15.93	16.14	17
		135	138	15.44	15.61	16.04	16.5
		270	0	15.51	15.48	15.87	16.5
	DFT-s-OFDM QPSK	1	1	16.08	16.30	16.59	17
		1	137	15.89	15.92	16.32	17
		1	271	15.96	16.12	16.57	17
		135	0	15.00	15.15	15.28	16
		135	69	15.92	16.00	16.33	17
		135	138	14.99	15.28	15.54	16
		270	0	14.88	15.10	15.33	16
	DFT-s-OFDM 16QAM	1	1	14.80	15.13	15.13	16
	DFT-s-OFDM 64QAM	1	1	13.04	13.00	13.37	14.5
	DFT-s-OFDM 256QAM	1	1	10.75	10.92	11.16	12.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	15.99	16.16	16.47	17
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	15.88	16.10	16.46	17
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	15.96	16.07	16.43	17
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	15.84	16.05	16.40	17
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	15.92	16.10	16.44	17
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	15.94	16.11	16.34	17
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	15.85	16.15	16.39	17
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	15.88	16.01	16.35	17
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	15.94	16.02	16.37	17
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	15.93	16.12	16.44	17
BW	MCS Index	Channel		646634	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	15.96	16.08	16.38	17

Receiver on_DSIS_ENDCASim-T

CA_R0 (Ant2)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	SCC Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
20450	829	20549	838.9	QPSK	1	49	1	0	24.87	24.5	24.5
				16QAM	1	49	1	0	23.97	24.5	24.5
				64QAM	1	49	1	0	21.35	23.5	23.5
				256QAM	1	49	1	0	19.93	20.5	20.5
				QPSK	1	49	1	0	24.81	24.5	24.5
20476	831.6	20575	841.5	16QAM	1	49	1	0	23.92	24.5	24.5
				64QAM	1	49	1	0	21.30	23.5	23.5
				256QAM	1	49	1	0	19.96	20.5	20.5
				QPSK	1	49	1	0	24.74	24.5	24.5
				16QAM	1	49	1	0	23.91	24.5	24.5
20501	834.1	20600	844	64QAM	1	49	1	0	21.37	23.5	23.5
				256QAM	1	49	1	0	19.95	20.5	20.5
				QPSK	1	49	1	0	24.82	24.5	24.5
				16QAM	1	49	1	0	23.96	24.5	24.5
				256QAM	1	49	1	0	19.95	20.5	20.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	SCC Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
20450	829	20522	836.2	QPSK	1	49	1	0	24.79	24.5	24.5
				16QAM	1	49	1	0	23.91	24.5	24.5
				64QAM	1	49	1	0	21.21	23.5	23.5
				256QAM	1	49	1	0	19.81	20.5	20.5
				QPSK	1	49	1	0	24.82	24.5	24.5
20500	834	20572	841.2	16QAM	1	49	1	0	23.96	24.5	24.5
				64QAM	1	49	1	0	21.26	23.5	23.5
				256QAM	1	49	1	0	19.90	20.5	20.5
				QPSK	1	49	1	0	24.85	24.5	24.5
				16QAM	1	49	1	0	23.85	24.5	24.5
20550	839	20622	846.2	64QAM	1	49	1	0	21.28	23.5	23.5
				256QAM	1	49	1	0	19.88	20.5	20.5
				QPSK	1	49	1	0	24.80	24.5	24.5
				16QAM	1	49	1	0	23.95	24.5	24.5
				256QAM	1	49	1	0	19.88	20.5	20.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	SCC Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
20428	829.9	20500	834	QPSK	1	24	1	0	24.77	24.5	24.5
				16QAM	1	24	1	0	23.83	24.5	24.5
				64QAM	1	24	1	0	21.19	23.5	23.5
				256QAM	1	24	1	0	19.79	20.5	20.5
				QPSK	1	24	1	0	24.65	24.5	24.5
20478	831.8	20550	839	16QAM	1	24	1	0	23.96	24.5	24.5
				64QAM	1	24	1	0	21.11	23.5	23.5
				256QAM	1	24	1	0	19.89	20.5	20.5
				QPSK	1	24	1	0	24.60	24.5	24.5
				16QAM	1	24	1	0	23.79	24.5	24.5
20528	836.8	20600	844	64QAM	1	24	1	0	21.25	23.5	23.5
				256QAM	1	24	1	0	19.88	20.5	20.5
				QPSK	1	24	1	0	24.80	24.5	24.5
				16QAM	1	24	1	0	23.79	24.5	24.5
				256QAM	1	24	1	0	19.74	20.5	20.5
Combination 3MHz+5MHz (15RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	SCC Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
20425	826.5	20464	830.4	QPSK	1	24	1	0	24.83	24.5	24.5
				16QAM	1	24	1	0	23.94	24.5	24.5
				64QAM	1	24	1	0	21.26	23.5	23.5
				256QAM	1	24	1	0	19.73	20.5	20.5
				QPSK	1	24	1	0	24.65	24.5	24.5
20510	836	20540	838.9	16QAM	1	24	1	0	23.95	24.5	24.5
				64QAM	1	24	1	0	21.16	23.5	23.5
				256QAM	1	24	1	0	19.86	20.5	20.5
				QPSK	1	24	1	0	24.59	24.5	24.5
				16QAM	1	24	1	0	23.87	24.5	24.5
20595	843.5	20634	847.4	64QAM	1	24	1	0	21.20	23.5	23.5
				256QAM	1	24	1	0	19.74	20.5	20.5
				QPSK	1	24	1	0	24.80	24.5	24.5
				16QAM	1	24	1	0	23.79	24.5	24.5
				256QAM	1	24	1	0	19.74	20.5	20.5

CA_R08 (Ant1)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	SCC Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
130022	1715	132121	1724.9	QPSK	1	49	1	0	23.86	24.5	24.5
				16QAM	1	49	1	0	23.36	23.5	23.5
				64QAM	1	49	1	0	21.73	22.5	22.5
				256QAM	1	49	1	0	19.11	19.5	19.5
				QPSK	1	49	1	0	23.92	24.5	24.5
130373	1750.1	130472	1760	16QAM	1	49	1	0	23.25	23.5	23.5
				64QAM	1	49	1	0	21.69	22.5	22.5
				256QAM	1	49	1	0	19.34	19.5	19.5
				QPSK	1	49	1	0	23.78	24.5	24.5
				16QAM	1	49	1	0	23.21	23.5	23.5
130523	1765.1	130602	1775	64QAM	1	49	1	0	21.63	22.5	22.5
				256QAM	1	49	1	0	19.12	19.5	19.5
				QPSK	1	49	1	0	23.82	24.5	24.5
				16QAM	1	49	1	0	23.25	23.5	23.5
				256QAM	1	49	1	0	19.12	19.5	19.5
Combination 10MHz+5MHz (75RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	SCC Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
120047	1717.5	132145	1726.8	QPSK	1	74	1	0	23.75	24.5	24.5
				16QAM	1	74	1	0	23.16	23.5	23.5
				64QAM	1	74	1	0	21.58	22.5	22.5
				256QAM	1	74	1	0	19.91	19.5	19.5
				QPSK	1	74	1	0	23.71	24.5	24.5
132398	1752.6	132491	1761.9	16QAM	1	74	1	0	23.05	23.5	23.5
				64QAM	1	74	1	0	21.50	22.5	22.5
				256QAM	1	74	1	0	19.81	19.5	19.5
				QPSK	1	74	1	0	23.60	24.5	24.5
				16QAM	1	74	1	0	23.10	23.5	23.5
132545	1767.7	132642	1777	64QAM	1	74	1	0	21.44	22.5	22.5
				256QAM	1	74	1	0	19.03	19.5	19.5
				QPSK	1	74	1	0	23.62	24.5	24.5
				16QAM	1	74	1	0	23.11	23.5	23.5
				256QAM	1	74	1	0	19.03	19.5	19.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	SCC Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	Max. Turn-up Power
130002	1713	132095	1722.3	QPSK	1	24	1	0	23.69	24.5	24.5
				16QAM	1	24	1	0	23.14	23.5	23.5
				64QAM	1	24	1	0	21.54	22.5	22.5
				256QAM	1	24	1	0	19.91	19.5	19.5
				QPSK	1	24	1	0	23.78	24.5	24.5
132353	1748.1	132446	1757.4	16QAM	1	24	1	0	23.11	23.5	23.5
				64QAM	1	24	1	0	21.45	22.5	22.5

CA 40C (Ann4)									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	
55340	3560	55538	3579.8	QPSK	1	99	1	0	17.94
				16QAM	1	99	1	0	16.96
				64QAM	1	99	1	0	15.92
				256QAM	1	99	1	0	13.94
55891	3615.1	56089	3634.9	QPSK	1	99	1	0	18.00
				16QAM	1	99	1	0	16.96
				64QAM	1	99	1	0	15.92
				256QAM	1	99	1	0	13.96
56442	3670.2	56640	3690	QPSK	1	99	1	0	18.00
				16QAM	1	99	1	0	16.96
				64QAM	1	99	1	0	15.92
				256QAM	1	99	1	0	13.92
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	
55340	3560	55511	3577.1	QPSK	1	99	1	0	17.85
				16QAM	1	99	1	0	16.89
				64QAM	1	99	1	0	15.76
				256QAM	1	99	1	0	12.75
55916	3617.6	56087	3634.7	QPSK	1	99	1	0	18.00
				16QAM	1	99	1	0	16.96
				64QAM	1	99	1	0	15.92
				256QAM	1	99	1	0	13.92
56491	3675.1	56662	3692.2	QPSK	1	99	1	0	18.04
				16QAM	1	99	1	0	16.96
				64QAM	1	99	1	0	16.02
				256QAM	1	99	1	0	13.07
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	
55319	3557.8	55489	3574.9	QPSK	1	74	1	0	17.85
				16QAM	1	74	1	0	16.77
				64QAM	1	74	1	0	15.91
				256QAM	1	74	1	0	12.84
55883	3615.3	56064	3632.4	QPSK	1	74	1	0	17.87
				16QAM	1	74	1	0	16.84
				64QAM	1	74	1	0	15.99
				256QAM	1	74	1	0	12.88
56469	3672.8	56640	3690	QPSK	1	74	1	0	18.00
				16QAM	1	74	1	0	16.94
				64QAM	1	74	1	0	16.04
				256QAM	1	74	1	0	13.04
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	
55340	3560	55454	3574.4	QPSK	1	99	1	0	17.94
				16QAM	1	99	1	0	16.96
				64QAM	1	99	1	0	15.92
				256QAM	1	99	1	0	12.91
55941	3620.1	56082	3634.5	QPSK	1	99	1	0	17.99
				16QAM	1	99	1	0	16.89
				64QAM	1	99	1	0	15.94
				256QAM	1	99	1	0	12.90
56541	3680.1	56680	3694.5	QPSK	1	99	1	0	18.00
				16QAM	1	99	1	0	16.96
				64QAM	1	99	1	0	16.00
				256QAM	1	99	1	0	13.06
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	
55295	3555.5	55439	3569.9	QPSK	1	49	1	0	17.85
				16QAM	1	49	1	0	16.85
				64QAM	1	49	1	0	15.96
				256QAM	1	49	1	0	12.90
55896	3615.6	56040	3630	QPSK	1	49	1	0	18.00
				16QAM	1	49	1	0	17.01
				64QAM	1	49	1	0	16.03
				256QAM	1	49	1	0	13.02
56456	3675.6	56640	3690	QPSK	1	49	1	0	18.06
				16QAM	1	49	1	0	17.06
				64QAM	1	49	1	0	16.09
				256QAM	1	49	1	0	13.14
Combination 20MHz+5MHz (100RB+25RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	
55340	3560	55457	3571.7	QPSK	1	99	1	0	17.94
				16QAM	1	99	1	0	16.96
				64QAM	1	99	1	0	15.94
				256QAM	1	99	1	0	12.95
55965	3622.5	56082	3634.2	QPSK	1	99	1	0	18.08
				16QAM	1	99	1	0	17.04
				64QAM	1	99	1	0	16.00
				256QAM	1	99	1	0	12.95
56590	3685	56707	3695.7	QPSK	1	99	1	0	18.10
				16QAM	1	99	1	0	17.06
				64QAM	1	99	1	0	16.07
				256QAM	1	99	1	0	13.17
Combination 5MHz+20MHz (25RB+100RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	
55273	3553.3	55390	3565	QPSK	1	24	1	0	17.89
				16QAM	1	24	1	0	16.92
				64QAM	1	24	1	0	15.94
				256QAM	1	24	1	0	12.96
55898	3615.8	56015	3627.6	QPSK	1	24	1	0	18.00
				16QAM	1	24	1	0	16.99
				64QAM	1	24	1	0	16.05
				256QAM	1	24	1	0	13.05
56523	3678.3	56640	3690	QPSK	1	24	1	0	18.09
				16QAM	1	24	1	0	17.13
				64QAM	1	24	1	0	16.16
				256QAM	1	24	1	0	13.10

CA 40B (Ann4)									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RCC	SCC	Measured Power (dBm)	Max. Time up Power	
55290	3555	55389	3564.9	QPSK	1	49	1	0	17.85
				16QAM	1	49	1	0	16.97
				64QAM	1	49	1	0	15.93
				256QAM	1	49	1	0	12.78
55941	3620.1	56140	3640	QPSK	1	49	1	0	17.99
				16QAM	1	49	1	0	16.93
				64QAM	1	49	1	0	15.97
				256QAM	1	49	1	0	12.89
56591	3685.1	56690	3695	QPSK	1	49	1	0	17.92
				16QAM	1	49	1	0	16.93
				64QAM	1	49	1	0	15.90
				256QAM	1	49	1	0	12.83

LTE Band 2 (Aur1)													
BW	Modulation	RB Size		RB Offset		Low		Mid		High			
		Channel	Frequency (MHz)	1920	1980	1980	1980	1980	1980	1980	Max. Throughput (Mbps)		
OFDM		1	0	16.28	16.24	16.23	16.6						
		1	50	16.30	16.27	16.29	16.5						
		1	100	16.32	16.21	16.19	16.1						
		50	0	17.30	17.29	17.33	16.8						
		100	0	17.32	17.27	17.28	16.5						
		50	50	17.39	17.29	17.28	16.5						
		100	0	17.42	17.32	17.38	16.5						
		100	0	17.46	17.46	17.46	16.5						
		1	50	17.51	17.54	17.49	16.5						
		50	50	16.34	16.21	16.29	16.5						
10M		50	50	16.34	16.21	16.29	16.5						
		1	50	17.58	17.49	17.44	16.5						
		50	50	16.36	16.23	16.30	16.5						
		50	25	16.33	16.26	16.40	17.5						
		50	50	16.35	16.33	16.45	17.5						
		100	0	16.67	16.67	16.69	17.5						
		1	0	16.41	16.39	16.43	17.5						
		1	50	16.20	16.16	16.25	17.5						
		1	50	16.47	16.46	16.32	17.5						
		50	0	15.40	15.22	15.29	16.5						
20M		50	50	16.34	16.29	16.41	16.5						
		50	50	16.35	16.38	16.37	16.5						
		100	0	15.47	15.51	15.38	16.5						
		1	50	13.36	13.32	13.34	14.5						
		1	50	13.38	13.45	13.30	14.5						
		1	50	13.48	13.52	13.31	14.5						
		50	13.35	13.32	13.34	14.5							
		50	25	13.47	13.44	13.38	14.5						
		50	50	13.43	13.36	13.40	14.5						
		100	0	13.36	13.34	13.30	14.5						
LTE Band 2 (Aur2)													
BW	Modulation	RB Size		RB Offset		Low		Mid		High			
		Channel	Frequency (MHz)	1920	1980	1980	1980	1980	1980	1980	Max. Throughput (Mbps)		
OFDM		1	0	16.10	15.98	16.04	19.0						
		1	24	16.07	15.88	15.91	19.0						
		1	49	16.03	15.74	15.82	19.0						
		25	0	17.01	17.17	17.11	18.0						
		25	12	17.04	17.01	17.07	18.0						
		25	25	17.01	17.07	17.26	18.0						
		50	0	17.21	17.08	17.29	18.0						
		1	0	17.21	17.08	17.29	18.0						
		1	24	17.28	17.43	17.30	18.0						
		25	0	17.28	17.43	17.30	18.0						
10M		25	0	16.26	16.02	16.03	17.0						
		25	12	16.14	16.03	16.30	17.0						
		25	25	16.32	16.27	16.30	17.0						
		50	0	16.21	15.98	16.03	17.0						
		1	0	16.27	16.26	16.24	17.0						
		1	24	16.26	16.26	16.27	17.0						
		1	49	16.31	16.38	16.12	17.0						
		25	0	16.31	16.17	16.11	16.5						
		25	12	16.18	16.15	16.17	16.5						
		25	25	16.20	16.13	16.21	16.5						
20M		50	0	15.12	15.09	15.09	16.5						
		1	24	15.20	15.34	15.19	14.5						
		1	49	15.41	15.46	15.40	14.5						
		25	0	13.22	13.09	13.12	14.5						
		25	12	13.31	13.07	13.15	14.5						
		25	25	13.37	13.06	13.17	14.5						
		50	0	13.24	13.25	13.13	14.5						
		LTE Band 2 (Aur3)											
		BW	Modulation	RB Size		RB Offset		Low		Mid		High	
				Channel	Frequency (MHz)	1920	1980	1980	1980	1980	1980	1980	Max. Throughput (Mbps)
OFDM			1	0	16.08	17.09	16.09	18.0					
	1		12	17.09	17.08	17.09	18.0						
	1		24	17.07	17.06	17.07	18.0						
	12		0	17.00	17.13	17.06	18.0						
	12		6	17.09	17.02	16.92	18.0						
	12		13	17.06	16.93	16.97	18.0						
	1		0	17.26	17.31	17.07	18.0						
	1		12	17.15	17.40	17.18	18.0						
	1		24	17.08	17.30	17.25	18.0						
	12		0	16.13	16.01	16.00	17.0						
10M		12	6	16.03	15.91	16.00	17.0						
		1	0	16.13	16.01	16.01	17.0						
		12	13	16.19	16.09	16.23	17.0						
		12	13	16.19	16.20	16.23	17.0						
		1	0	16.13	16.01	16.01	17.0						
		1	12	16.18	16.18	16.24	17.0						
		1	24	16.17	16.17	16.03	17.0						
		12	0	15.16	15.06	15.06	16.5						
		12	6	15.13	15.03	15.03	16.5						
		12	13	15.20	15.06	15.10	16.5						
20M		25	0	13.13	13.03	13.03	14.5						
		1	0	13.02	13.08	13.24	14.5						
		1	12	13.07	13.07	13.07	14.5						
		1	24	13.33	13.29	13.03	14.5						
		12	0	13.16	13.03	13.03	14.5						
		12	6	13.24	13.36	13.07	14.5						
		12	13	13.20	13.06	13.10	14.5						
		25	0	13.13	13.03	13.03	14.5						
		LTE Band 2 (Aur4)											
		BW	Modulation	RB Size		RB Offset		Low		Mid		High	
Channel				Frequency (MHz)	1920	1980	1980	1980	1980	1980	1980	Max. Throughput (Mbps)	
OFDM		1	0	16.06	17.60	16.06	17.5						
		1	0	16.06	17.60	16.06	17.5						
		1	14	16.06	17.60	17.85	19.0						
		8	0	16.06	17.60	16.06	17.5						
		8	3	16.06	17.60	16.06	17.5						
		8	7	17.07	16.62	17.02	18.5						
		8	14	16.06	17.60	16.06	17.5						
		8	0	17.18	17.29	16.92	18.5						
		8	7	17.02	17.31	17.07	18.5						
		1	14	17.27	17.28	17.27	17.5						
10M		8	0	16.01	15.87	15.85	16.5						
		8	3	15.98	15.79	15.14	17.5						
		8	7	16.05	16.04	16.22	16.5						
		1	0	16.01	15.87	15.85	16.5						
		1	14	16.14	16.29	16.03	17.0						
		8	0	16.01	15.87	15.85	16.5						
		8	3	15.10	14.93	14.99	16.5						
		8	7	16.02	16.02	14.94	16.5						
		8	14	16.01	16.04	16.04	16.5						
		1	0	12.08	12.07	13.12	14.5						
20M		1	7	12.09	12.09	12.99	14.5						
		1	13	12.08	12.08	12.88	14.5						
		8	0	13.09	12.88	12.93	14.5						
		8	3	13.11	13.22	13.07	14.5						
		8	7	13.22	13.09	13.09	14.5						
		8	14	13.10	13.07	13.03	14.5						
		LTE Band 2 (Aur5)											
		BW	Modulation	RB Size		RB Offset		Low		Mid		High	
				Channel	Frequency (MHz)	1920	1980	1980	1980	1980	1980	1980	Max. Throughput (Mbps)
		OFDM		1	0	16.18	17.97	16.12	18.5				
1				2	16.19	18.14	18.07	19.5					
1	6			16.18	18.07	18.07	19.5						
3	1			17.85	17.87	18.02	19.0						
3	1			17.86	17.89	18.04	19.5						
3	3			18.09	17.88	17.88	19.5						
6	0			17.23	17.13	17.28	18.5						
6	7			17.28	17.38	17.31	18.5						
1	5			17.07	17.37	17.58	17.9						
3	1			17.07	17.05	17.09	18.5						
10M		3	3	17.89	18.04	17.83	18.5						
		6	0	16.26	16.26	16.26	18.5						
		1	0	16.20	16.31	16.23	17.5						
		1	2	16.18	16.31	16.13	17.5						
		3	3	16.04	16.09	16.09	17.5						
		6	0	16.31	16.19	16.21	16.5						
		3	1	16.02	16.06	16.06	16.5						
		1	0	12.02	12.04	12.88	14.5						
		1	1	12.01	12.01	12.88	14.5						
		1	6	13.17	13.15	13.09	14.5						
20M		3	3	13.03	13.09	13.04	14.5						
		3	3	13.23	13.02	13.18	14.5						

LTE Band 4 (Ant1)										
SW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)			
Channel										
Frequency (MHz)										
2015 2015.5 2016										
1792.5 1793 1793.5										
OVSF	1	0	17.63	17.78	17.71	19				
	1	50	17.68	17.83	17.88	19				
	1	99	17.68	17.83	17.88	19				
	50	0	18.63	18.74	18.64	18				
	50	25	18.68	18.79	18.69	18				
	50	50	18.74	18.81	18.78	18				
	100	0	18.73	18.78	18.72	18				
	100	0	18.80	18.81	18.79	18				
	1	50	18.82	18.99	18.88	18				
	1	99	18.88	17.88	18.95	18				
SCDMA	50	0	18.88	18.92	18.98	17				
	50	25	18.88	18.75	18.78	17				
	50	50	18.83	18.83	18.88	17				
	100	0	18.88	18.71	18.73	17				
	1	0	18.78	18.87	18.92	17				
	1	50	18.91	18.94	18.98	17				
	1	99	18.98	18.92	18.98	17				
	50	0	18.74	18.76	18.81	18				
	50	50	18.77	18.88	18.89	18				
	100	0	18.73	18.82	18.84	18				
SCDMA	1	99	12.83	12.81	12.86	14				
	50	0	12.83	12.78	12.79	14				
	50	25	12.81	12.79	12.81	14				
	50	50	12.83	12.88	12.78	14				
	100	0	12.88	12.85	12.84	14				
	SW									
	Modulation	Channel	2015	2015.5	2016	SW	Max. Throughput (Mbps)			
	Frequency (MHz)									
	1792.5 1793 1793.5									
	OVSF	1	24	17.73	17.71	17.64	19			
1		49	17.49	17.61	17.52	19				
25		0	18.56	18.48	18.48	18				
25		12	18.53	18.46	18.48	18				
25		25	18.57	18.58	18.60	18				
25		0	18.71	18.62	18.63	18				
1		0	18.59	18.57	18.65	18				
1		24	18.56	18.58	18.61	18				
1		49	18.49	18.59	18.66	18				
100		25	0	18.47	18.59	18.56	17			
SCDMA	25	0	18.54	18.56	18.58	17				
	25	25	18.56	18.53	18.54	17				
	50	0	18.56	18.47	18.55	17				
	1	24	18.56	18.55	18.58	17				
	1	49	18.56	18.57	18.68	17				
	25	0	18.48	18.48	18.48	16				
	25	12	18.46	18.44	18.42	16				
	25	25	18.46	18.44	18.42	16				
	1	0	12.86	12.81	12.80	14				
	1	24	12.82	12.82	12.72	14				
SCDMA	1	49	12.75	12.82	12.73	14				
	25	0	12.46	12.60	12.75	14				
	25	12	12.68	12.65	12.61	14				
	25	25	12.72	12.69	12.69	14				
	50	0	12.43	12.74	12.61	14				
	SW									
	Modulation	Channel	2015	2015.5	2016	SW	Max. Throughput (Mbps)			
	Frequency (MHz)									
	1792.5 1793 1793.5									
	OVSF	1	0	17.44	17.54	17.44	19			
1		12	17.18	17.41	17.52	19				
1		24	17.36	17.58	17.41	19				
12		0	18.31	18.44	18.42	18				
12		6	18.49	18.42	18.48	18				
12		13	18.53	18.46	18.48	18				
25		0	18.58	18.49	18.52	18				
1		0	18.52	18.59	18.61	18				
1		12	18.38	18.57	18.56	17				
1		24	18.55	18.58	18.61	18				
SCDMA	12	0	18.52	18.47	18.41	17				
	12	6	18.54	18.49	18.56	17				
	12	13	18.57	18.57	18.61	17				
	25	0	18.42	18.46	18.54	17				
	1	0	18.49	18.48	18.47	17				
	1	12	18.57	18.54	18.60	17				
	12	0	18.46	18.46	18.46	16				
	12	0	14.47	14.62	14.63	18				
	12	6	14.58	14.41	14.48	18				
	12	13	14.62	14.42	14.41	18				
SCDMA	25	0	14.43	14.50	14.51	18				
	1	0	12.81	12.77	12.38	14				
	1	12	12.77	12.81	12.59	14				
	1	24	12.68	12.69	12.71	14				
	12	0	12.45	12.68	12.71	14				
	12	6	12.56	12.62	12.64	14				
	12	13	12.69	12.62	12.62	14				
	25	0	12.55	12.67	12.53	14				
	SW									
	Modulation	Channel	2015	2015.5	2016	SW	Max. Throughput (Mbps)			
Frequency (MHz)										
1792.5 1793 1793.5										
OVSF	1	0	17.40	17.50	17.36	19				
	1	14	17.28	17.46	17.30	19				
	8	0	18.24	18.29	18.32	18				
	8	7	18.31	18.37	18.37	18				
	8	7	18.44	18.31	18.50	18				
	15	0	18.62	18.24	18.38	18				
	8	0	18.46	18.25	18.35	18				
	1	7	18.72	18.68	18.55	18				
	1	14	18.54	18.72	18.69	18				
	8	0	18.22	18.28	18.28	18				
SCDMA	3	3	18.52	18.41	18.54	17				
	1	0	18.59	18.65	18.63	17				
	8	7	18.48	18.48	18.48	16				
	15	0	18.20	18.30	18.30	16				
	1	0	18.78	18.49	18.60	17				
	1	7	18.68	18.74	18.76	17				
	8	3	18.51	18.57	18.47	17				
	8	0	14.35	14.58	14.55	18				
	8	3	14.51	14.30	14.42	18				
	8	7	14.61	14.49	14.43	18				
SCDMA	15	0	12.76	12.69	12.64	14				
	1	0	12.76	12.73	12.64	14				
	1	7	12.76	12.49	12.46	14				
	1	14	12.81	12.44	12.46	14				
	12	0	12.43	12.62	12.64	14				
	8	7	12.64	12.44	12.61	14				
	8	7	12.54	12.57	12.53	14				
	15	0	12.33	12.43	12.40	14				
	SW									
	Modulation	Channel	2015	2015.5	2016	SW	Max. Throughput (Mbps)			
Frequency (MHz)										
1792.5 1793 1793.5										
OVSF	1	0	17.25	17.24	17.43	19				
	1	5	17.25	17.18	17.26	19				
	1	5	17.27	17.35	17.31	19				
	3	0	17.15	17.34	17.22	19				
	3	3	17.59	17.54	17.22	19				
	3	3	17.10	17.22	17.12	19				
	1	0	18.24	18.69	18.35	18				
	1	2	18.40	18.68	18.29	18				
	1	2	18.54	18.64	18.34	18				
	1	1	18.07	18.52	18.20	18				
SCDMA	3	0	18.01	18.54	18.14	18				
	3	3	18.04	18.56	18.16	18				
	6	0	18.20	18.30	18.56	17				
	6	0	18.32	18.47	18.51	17				
	1	0	15.58	15.76	15.68	17				
	1	5	15.58	15.74	15.67	17				
	3	0	15.04	15.14	15.38	17				
	3	3	15.03	15.27	15.31	17				
	3	3	15.12	15.24	15.21	17				
	6	0	14.24	14.20	14.29	16				
SCDMA	1	2	12.84	12.68	12.64	14				
	1	2	12.84	12.67	12.63	14				
	3	0	12.41	12.52	12.43	14				
	3	3	12.50	12.65	12.61	14				
	3	3	12.75	12.54	12.58	14				
	6	0	12.88	12.85	12.88	14				
	6	0	12.88	12.85	12.88	14				
	6	0	12.88	12.85	12.88	14				
	6	0	12.88	12.85	12.88	14				
	6	0	12.88	12.85	12.88	14				

LTE Band 12 (An2)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (MHz)	RB Size	RB Offset	
		Channel	2380	2385	2390					
5M	QPSK	Frequency (MHz)	786	787.5	791					
		1	0	24.10	24.20	24.21	25.0			
		1	24	24.20	24.24	24.22	25.0			
		1	49	24.10	24.11	24.08	25.0			
		25	0	23.20	23.21	23.19	24.0			
		25	25	23.20	23.21	23.19	24.0			
		25	25	23.20	23.28	23.23	24.0			
		50	0	23.20	23.27	23.20	24.0			
		50	50	23.20	23.24	23.24	24.0			
		1	24	23.40	23.48	23.42	24.0			
10M	16QAM	1	49	23.37	23.31	23.31	24.0			
		25	0	22.22	22.22	22.22	23.0			
		25	12	22.30	22.32	22.16	23.0			
		25	25	22.24	22.26	22.10	23.0			
		50	0	22.27	22.23	22.20	23.0			
		1	0	22.44	22.44	22.34	23.0			
		1	24	22.40	22.47	22.36	23.0			
		1	49	22.20	22.20	22.20	23.0			
		25	0	21.20	21.21	21.20	22.0			
		25	25	21.20	21.24	21.21	22.0			
20M	64QAM	25	0	21.20	21.23	21.21	22.0			
		50	0	21.20	21.18	21.28	22.0			
		1	0	19.34	19.31	19.45	20.0			
		1	24	19.37	19.36	19.30	20.0			
		1	49	19.23	19.34	19.33	20.0			
		25	0	19.22	19.24	19.24	20.0			
		25	12	19.33	19.27	19.30	20.0			
		25	25	19.34	19.29	19.32	20.0			
		50	0	19.30	19.30	19.30	20.0			
		Channel	2380	2385	2390	Max. Time-up (MHz)				
5M	QPSK	Frequency (MHz)	786.5	787.5	790.5					
		1	0	24.04	24.08	24.12	25.0			
		1	12	24.22	24.16	24.13	25.0			
		1	24	23.98	24.04	24.02	25.0			
		12	0	23.08	23.19	23.18	24.0			
		12	6	23.12	23.23	23.03	24.0			
		12	13	23.17	23.28	23.30	24.0			
		25	0	23.10	23.13	23.18	24.0			
		1	0	23.34	23.32	23.40	24.0			
		1	12	23.43	23.36	23.43	24.0			
10M	16QAM	1	24	23.33	23.16	23.16	24.0			
		12	0	22.11	22.26	22.14	23.0			
		12	6	22.20	22.18	22.18	23.0			
		12	13	22.18	22.24	22.13	23.0			
		25	0	22.13	22.08	22.05	23.0			
		1	0	22.34	22.38	22.30	23.0			
		1	12	22.30	22.45	22.28	23.0			
		1	24	22.27	22.16	22.25	23.0			
		12	0	21.00	21.10	21.02	22.0			
		12	6	21.04	21.08	21.05	22.0			
20M	64QAM	12	13	21.02	21.09	21.00	22.0			
		25	0	21.04	21.10	21.00	22.0			
		1	0	19.24	19.24	19.11	20.0			
		1	12	19.13	19.07	19.07	20.0			
		1	24	19.14	19.10	19.20	20.0			
		12	0	19.00	19.13	19.08	20.0			
		12	6	19.01	19.09	19.04	20.0			
		12	13	19.12	19.09	19.10	20.0			
		25	0	19.12	19.05	19.13	20.0			
		Channel	2380	2385	2390	Max. Time-up (MHz)				
5M	QPSK	Frequency (MHz)	786.5	787.5	790.5					
		1	0	24.05	24.09	24.11	25.0			
		1	7	24.26	24.16	24.11	25.0			
		1	14	23.95	24.05	24.04	25.0			
		8	0	23.11	23.20	23.08	24.0			
		8	7	23.08	23.16	23.16	24.0			
		8	7	23.20	23.18	23.18	24.0			
		16	0	23.21	23.13	23.18	24.0			
		1	0	23.40	23.42	23.40	24.0			
		1	7	23.33	23.33	23.43	24.0			
10M	16QAM	1	14	23.34	23.16	23.17	24.0			
		8	0	22.20	22.18	22.07	23.0			
		8	3	22.24	22.18	22.11	23.0			
		8	7	22.22	22.11	22.19	23.0			
		16	0	22.10	22.13	22.14	23.0			
		1	0	22.37	22.38	22.31	23.0			
		1	7	22.38	22.46	22.34	23.0			
		1	14	22.28	22.28	22.27	23.0			
		8	0	21.16	21.20	21.09	22.0			
		8	3	21.36	21.32	21.31	22.0			
20M	64QAM	8	7	21.10	21.16	21.13	22.0			
		16	0	21.12	21.17	21.10	22.0			
		1	0	19.24	19.20	19.40	20.0			
		1	7	19.30	19.30	19.24	20.0			
		1	14	19.16	19.19	19.20	20.0			
		8	0	19.10	19.22	19.22	20.0			
		8	3	19.27	19.12	19.27	20.0			
		8	7	19.21	19.21	19.19	20.0			
		15	0	19.26	19.24	19.16	20.0			
		Channel	2387	2395	2397	Max. Time-up (MHz)				
5M	QPSK	Frequency (MHz)	789.5	790.5	793.5					
		1	0	24.10	24.15	24.14	25.0			
		1	2	24.10	24.20	24.13	25.0			
		1	5	23.97	23.97	23.95	25.0			
		3	0	23.97	23.93	23.99	25.0			
		3	1	24.05	24.05	23.99	25.0			
		6	0	24.00	23.95	24.00	25.0			
		6	3	23.95	23.98	23.11	24.0			
		1	0	23.20	23.44	23.30	24.0			
		1	5	23.31	23.25	23.27	24.0			
10M	16QAM	1	5	23.01	22.96	22.99	24.0			
		3	0	23.06	22.91	22.95	24.0			
		3	3	22.93	23.03	22.94	24.0			
		6	0	22.13	22.17	22.12	23.0			
		1	0	22.38	22.38	22.29	23.0			
		1	2	22.41	22.37	22.24	23.0			
		1	5	22.16	22.16	22.17	23.0			
		3	0	22.10	21.89	21.99	23.0			
		3	1	22.07	22.02	22.05	23.0			
		1	0	22.04	21.93	21.99	23.0			
20M	64QAM	6	0	21.00	21.00	21.18	22.0			
		1	0	19.31	19.30	19.31	20.0			
		1	7	19.28	19.31	19.30	20.0			
		1	2	19.08	19.22	19.30	20.0			
		3	0	19.12	19.19	19.10	20.0			
		3	1	19.27	19.20	19.20	20.0			
		3	3	19.28	19.19	19.23	20.0			
		6	0	19.26	19.17	19.11	20.0			
		Channel	2392	2400	2402	Max. Time-up (MHz)				

LTE Band 13 (An2)										
BW	Modulation	RB Size	RB Offset	2380		2385		Max. Time-up (MHz)	RB Size	
		Channel	2380	2385	2390	2395				
5M	QPSK	Frequency (MHz)	786	787	790					
		1	0	24.06	24.06	24.06	25.0			
		1	24	24.06	24.12	24.06	25.0			
		1	49	24.06	24.06	24.06	25.0			
		25	0	23.12	23.12	23.12	24.0			
		25	12	23.12	23.13	23.12	24.0			
		25	25	23.14	23.14	23.14	24.0			
		50	0	23.09	23.09	23.09	24.0			
		1	24	23.29	23.29	23.29	24.0			
		1	49	23.27	23.27	23.27	24.0			
10M	16QAM	25	0	22.20	22.20	22.20	23.0			
		25	12	22.12	22.12	22.12	23.0			
		25	25	22.18	22.18	22.18	23.0			
		50	0	22.13	22.13	22.13	23.0			
		1	0	22.28	22.28	22.28	23.0			
		1	24	22.29	22.29	22.19	23.0			
		1	49	22.27	22.27	22.27	23.0			
		25	0	21.20	21.20	21.20	22.0			
		25	25	21.17	21.17	21.17	22.0			
		50	0	21.10	21.10	21.10	22.0			
20M	64QAM	1	0	19.18	19.18	19.18	20.0			
		1	24	19.20	19.20	19.20	20.0			
		1	49	19.23	19.23	19.23	20.0			
		25	0	19.14	19.14	19.14	20.0			
		25	12	19.14	19.15	19.14	20.0			
		25	25	19.16	19.16	19.16	20.0			
		50	0	19.15	19.15	19.15	20.0			
		1	24	19.18	19.18	19.18	20.0			
		1	49	19.18	19.18	19.18	20.0			
		25	0	19.14	19.14	19.14	20.0			
5M	QPSK	Frequency (MHz)	790.5	790	794.5					
		1	0	23.91	24.00	23.94	25.0			
		1	12	23.92	24.03	23.95	25.0			
		1	24	23.94	24.06	24.00	25.0			
		12	0	23.61	23.69	23.62	24.0			
		12	6	23.69	23.80	23.64	24.0			
		12	13	23.84	23.99	23.90	24.0			
		25	0	23.82	23.85	23.85	24.0			
		1	0	23.14	23.27	23.21	24.0			
		1	12	23.19	23.28	23.20	24.0			
10M	16QAM	1	24	23.14	23.26	23.17	24.0			
		12	0	23.06	23.03	23.06	23.0			
		12	6	23.08	23.11	23.08	23.0			
		12	13	23.09	23.08	23.04	23.0			
		25	0	22.06	22.10	22.01	23.0			
		1	0	22.18	22.28	22.19	23.0			
		1	12	22.15	22.22	22.14	23.0			
		1	24	22.13	22.20	22.10	23.0			
		12	0	21.00	21.12	21.02	22.0			
		12	6	21.04	21.08	21.05	22.0			
20M	64QAM	12	13	21.06	21.08	21.06	22.0			
		25	0	20.04	20.13	20.05	22.0			
		1	0	20.04	20.04	20.11	22.0			
		1	12	19.13	19.18	19.07	20.0			
		1	24	19.14	19.16	19.20	20.0			
		12	0	19.01	19.09	19.04	20.0			
		12	13	19.12	19.09	19.10	20.0			
		25	0	19.12	19.05	19.13	20.0			

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.44	23.41	23.47	24.5
		1	53	23.36	23.37	23.41	24.5
		1	104	23.38	23.31	23.35	24.5
		50	0	23.47	23.54	23.53	24.5
		50	28	23.46	23.46	23.55	24.5
		50	56	23.60	23.48	23.53	24.5
		100	0	23.48	23.54	23.49	24.5
	DFT-s-OFDM QPSK	1	1	23.61	23.55	23.57	24.5
		1	53	23.46	23.36	23.43	24.5
		1	104	23.11	23.47	23.32	24.5
		50	0	22.98	23.01	22.93	23.5
		50	28	23.58	23.50	23.44	24.5
		50	56	23.04	22.97	22.58	23.5
		100	0	22.98	22.95	22.93	23.5
	DFT-s-OFDM 16QAM	1	1	22.93	22.93	23.19	23.5
	DFT-s-OFDM 64QAM	1	1	21.63	21.65	21.06	22.5
	DFT-s-OFDM 256QAM	1	1	18.99	19.04	19.06	20.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	23.58	23.47	23.48	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.55	23.45	23.44	24.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	23.57	23.41	23.55	24.5

n2 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	17.38	17.26	17.30	18
		1	53	17.19	17.24	17.25	18
		1	104	17.19	17.26	17.20	18
		50	0	16.69	16.67	16.73	18
		50	28	17.28	17.22	17.24	18
		50	56	16.69	16.65	16.64	18
		100	0	16.71	16.75	16.77	18
	DFT-s-OFDM QPSK	1	1	17.41	17.37	17.33	18
		1	53	17.37	17.25	17.33	18
		1	104	17.26	17.31	17.03	18
		50	0	16.25	16.18	16.30	17
		50	28	17.33	17.32	17.25	18
		50	56	16.24	16.19	16.26	17
		100	0	16.19	16.19	16.16	17
	DFT-s-OFDM 16QAM	1	1	16.46	16.42	16.39	17
	DFT-s-OFDM 64QAM	1	1	14.94	14.98	14.86	16
	DFT-s-OFDM 256QAM	1	1	12.95	12.97	12.89	14
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	17.37	17.32	17.32	18
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	17.39	17.33	17.22	18
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	17.34	17.33	17.27	18

n5 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		166800	167300	167800	
		Frequency (MHz)		834	836.5	839	
20M	DFT-s-OFDM Pv2 BPSK	1	1	23.42	23.38	23.46	24.5
		1	53	23.48	23.51	23.45	24.5
		1	104	23.40	23.53	23.41	24.5
		50	0	23.51	23.58	23.52	24.5
		50	28	23.43	23.55	23.52	24.5
		50	56	23.50	23.53	23.56	24.5
	DFT-s-OFDM QPSK	100	0	23.47	23.56	23.57	24.5
		1	1	23.57	23.64	23.55	24.5
		1	53	23.38	23.42	23.48	24.5
		1	104	23.41	23.43	23.42	24.5
		50	0	23.52	23.58	23.50	24.5
		50	28	23.46	23.59	23.49	24.5
		50	56	23.53	23.61	23.51	24.5
		100	0	23.50	23.57	23.54	24.5
	DFT-s-OFDM 16QAM	1	1	23.32	23.43	23.39	24.5
	DFT-s-OFDM 64QAM	1	1	21.68	22.15	22.04	22.5
	DFT-s-OFDM 256QAM	1	1	19.98	19.53	19.54	20.5
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
		Frequency (MHz)		831.5	836.5	841.5	
15M	DFT-s-OFDM QPSK	1	1	23.49	23.62	23.53	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
		Frequency (MHz)		829	836.5	844	
10M	DFT-s-OFDM QPSK	1	1	23.50	23.55	23.44	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
		Frequency (MHz)		826.5	836.5	846.5	
5M	DFT-s-OFDM QPSK	1	1	23.43	23.51	23.52	24.5

n48 (SCS 30 kHz) (Ant4)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		636000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pv2 BPSK	1	1	23.47	23.83	24.05	24.5
		1	53	23.56	23.91	24.04	24.5
		1	104	23.70	24.11	24.09	24.5
		50	0	23.63	23.93	24.10	24.5
		50	28	23.63	23.95	24.09	24.5
		50	56	23.70	23.98	24.13	24.5
	DFT-s-OFDM QPSK	100	0	23.61	23.91	24.09	24.5
		1	1	23.71	24.12	24.16	24.5
		1	53	23.52	23.86	24.03	24.5
		1	104	23.68	23.97	24.05	24.5
		50	0	23.62	23.96	24.11	24.5
		50	28	23.57	23.93	24.04	24.5
		50	56	23.61	23.92	24.07	24.5
		100	0	23.59	23.92	23.96	24.5
	DFT-s-OFDM 16QAM	1	53	23.58	23.86	24.02	24.5
	DFT-s-OFDM 64QAM	1	53	23.36	23.59	23.60	24
	DFT-s-OFDM 256QAM	1	53	22.05	22.20	22.35	23
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	DFT-s-OFDM QPSK	1	1	23.60	24.05	24.01	24.5
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	23.63	24.00	24.08	24.5

n66 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM P/2 BPSK	1	1	23.43	23.44	23.41	24.5
		1	108	23.47	23.36	23.37	24.5
		1	214	23.42	23.29	23.24	24.5
		108	0	23.21	22.80	22.57	24
		108	54	23.01	22.88	23.51	24.5
		108	108	23.12	22.47	22.41	24
	DFT-s-OFDM QPSK	216	0	23.09	22.50	22.50	24
		1	1	23.51	23.54	23.33	24.5
		1	108	23.47	23.34	23.27	24.5
		1	214	23.39	23.31	23.18	24.5
		108	0	22.58	22.57	22.43	23.5
		108	54	23.25	23.49	23.30	24.5
	DFT-s-OFDM 16QAM	108	108	22.67	22.57	22.30	23.5
		216	0	22.51	22.56	22.35	23.5
		1	1	22.45	22.07	22.63	23.5
		1	1	21.18	20.94	20.53	22
		1	1	18.45	18.86	18.43	20
		1	1	18.45	18.86	18.43	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.21	23.36	23.46	24.5
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	23.37	23.24	23.15	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.29	23.41	23.35	24.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	23.18	23.27	23.17	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.09	23.22	23.31	24.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	23.23	23.41	23.36	24.5

n66 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM P/2 BPSK	1	1	18.06	18.14	18.10	19.5
		1	108	18.05	18.07	18.07	19.5
		1	214	18.19	18.11	18.03	19.5
		108	0	17.62	17.64	17.64	19
		108	54	18.14	18.16	18.11	19.5
		108	108	17.58	17.52	17.50	19
	DFT-s-OFDM QPSK	216	0	17.57	17.54	17.60	19
		1	1	18.25	18.39	18.31	19.5
		1	108	18.03	18.10	18.07	19.5
		1	214	18.10	18.02	18.04	19.5
		108	0	17.06	17.13	17.18	18.5
		108	54	18.03	18.18	18.13	19.5
	DFT-s-OFDM 16QAM	108	108	17.15	17.04	17.04	18.5
		216	0	17.19	17.20	17.07	18.5
		1	1	17.18	17.17	17.23	18.5
		1	1	15.71	15.78	15.68	17
		1	1	13.51	13.51	13.49	15
		1	1	13.51	13.51	13.49	15
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	18.20	18.13	18.27	19.5
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	18.07	18.23	18.26	19.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	18.20	18.18	18.26	19.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	18.12	18.16	18.28	19.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	18.09	18.17	18.30	19.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	18.12	18.10	18.28	19.5

n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		13.69		15
		1	137		13.55		15
		1	271		13.57		15
		135	0		13.60		15
		135	69		13.64		15
		135	138		13.55		15
	DFT-s-OFDM QPSK	270	0		13.64		15
		1	1		13.82		15
		1	137		13.61		15
		1	271		13.53		15
		135	0		13.66		15
		135	69		13.58		15
		135	138		13.68		15
		270	0		13.55		15
	DFT-s-OFDM 16QAM	1	1		13.61		15
	DFT-s-OFDM 64QAM	1	1		13.30		14
	DFT-s-OFDM 256QAM	1	1		11.63		12.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	13.60	13.73	13.71	15
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	13.66	13.71	13.76	15
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	13.66	13.71	13.74	15
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	13.66	13.72	13.72	15
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	13.60	13.76	13.75	15
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	13.60	13.70	13.70	15
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	13.61	13.72	13.76	15
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	13.63	13.69	13.76	15
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	13.61	13.73	13.77	15
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	13.65	13.70	13.68	15
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	13.64	13.74	13.77	15

n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	13.82	14.36	14.37	15
		1	137	13.78	13.96	14.34	15
		1	271	13.94	14.12	14.44	15
		135	0	13.79	13.97	14.29	15
		135	69	13.96	14.14	14.40	15
		135	138	14.01	13.95	14.44	15
	DFT-s-OFDM QPSK	270	0	13.94	14.03	14.34	15
		1	1	14.01	14.57	14.62	15
		1	137	13.85	14.42	14.32	15
		1	271	13.93	14.40	14.45	15
		135	0	13.82	14.37	14.41	15
		135	69	13.95	14.31	14.34	15
		135	138	13.98	14.38	14.41	15
		270	0	13.84	14.26	14.39	15
	DFT-s-OFDM 16QAM	1	1	13.89	13.96	14.03	15
	DFT-s-OFDM 64QAM	1	1	13.89	13.80	13.89	14
	DFT-s-OFDM 256QAM	1	1	12.52	12.05	12.08	12.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	13.99	14.48	14.51	15
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	13.89	14.55	14.50	15
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	13.94	14.44	14.44	15
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	14.01	14.56	14.45	15
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	13.96	14.46	14.50	15
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	13.91	14.56	14.55	15
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	13.87	14.55	14.53	15
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	13.88	14.49	14.47	15
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	14.01	14.49	14.57	15
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	13.98	14.45	14.50	15
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	13.98	14.55	14.44	15

PC2_n77 (SCS 30 kHz)_3450~3550MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
		Channel			633334		
		Frequency (MHz)			3500.01		
100M	DFT-s-OFDM P/2 BPSK	1	1		16.72		18
		1	137		16.43		18
		1	271		16.53		18
		135	0		16.04		17.5
		135	69		16.51		18
		135	138		15.95		17.5
	DFT-s-OFDM QPSK	270	0		16.04		17.5
		1	1		16.78		18
		1	137		16.35		18
		1	271		16.46		18
		135	0		15.61		17
		135	69		16.59		18
		135	138		15.53		17
		270	0		15.58		17
	DFT-s-OFDM 16QAM	1	1		15.62		17
	DFT-s-OFDM 64QAM	1	1		14.04		15.5
	DFT-s-OFDM 256QAM	1	1		12.01		13.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	16.68	16.71	16.62	18
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	16.67	16.69	16.70	18
BW	MCS Index	Channel		632334	633334	634332	Max. Tune-up
		Frequency (MHz)		3485.01	3500.01	3514.98	
70M	DFT-s-OFDM QPSK	1	1	16.77	16.75	16.75	18
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	16.69	16.76	16.71	18
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	16.77	16.72	16.75	18
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	DFT-s-OFDM QPSK	1	1	16.68	16.78	16.70	18
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	16.66	16.73	16.70	18
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	16.69	16.64	16.74	18
BW	MCS Index	Channel		630500	633334	636166	Max. Tune-up
		Frequency (MHz)		3457.5	3500.01	3542.49	
15M	DFT-s-OFDM QPSK	1	1	16.74	16.73	16.74	18
BW	MCS Index	Channel		630334	633334	636332	Max. Tune-up
		Frequency (MHz)		3455.01	3500.01	3544.98	
10M	DFT-s-OFDM QPSK	1	1	16.79	16.77	16.69	18
BW	MCS Index	Channel		630168	633334	636500	Max. Tune-up
		Frequency (MHz)		3452.52	3500.01	3547.5	
5M	DFT-s-OFDM QPSK	1	1	16.73	16.73	16.73	18

PC2_n77 (SCS 30 kHz)_3700~3980MHz (Ant4) for FCC							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	DFT-s-OFDM P/2 BPSK	1	1	16.93	17.13	17.35	18
		1	137	16.80	16.97	17.39	18
		1	271	17.01	17.14	17.28	18
		135	0	16.29	16.45	16.80	17.5
		135	69	16.83	16.87	17.22	18
		135	138	16.52	16.58	17.04	17.5
	DFT-s-OFDM QPSK	270	0	16.43	16.49	16.85	17.5
		1	1	17.08	17.29	17.57	18
		1	137	16.93	16.93	17.32	18
		1	271	16.97	17.13	17.50	18
		135	0	15.93	16.14	16.33	17
		135	69	16.80	17.00	17.31	18
		135	138	16.03	16.29	16.41	17
		270	0	15.92	16.02	16.31	17
	DFT-s-OFDM 16QAM	1	1	15.79	16.06	16.05	17
	DFT-s-OFDM 64QAM	1	1	14.00	14.03	14.44	15.5
	DFT-s-OFDM 256QAM	1	1	11.76	11.91	12.05	13.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	16.97	17.12	17.39	18
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	16.90	17.20	17.45	18
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	16.90	17.12	17.46	18
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	16.95	17.25	17.46	18
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	16.90	17.19	17.49	18
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	16.93	17.25	17.39	18
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	16.92	17.21	17.48	18
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	16.87	17.25	17.40	18
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	16.88	17.13	17.51	18
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	16.91	17.18	17.41	18
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	16.86	17.16	17.38	18

CA_8A (Ant2)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Combination 10MHz+10MHz (50RB+50RB)						Max. Turn-up Power
				Modulation	RSC	SCC	Measured Power (dBm)	RB Size	RB offset	
20450	829	20549	838.9	QPSK	1	49	1	0	24.87	25.5
				16QAM	1	49	1	0	23.97	24.5
				64QAM	1	49	1	0	21.35	23.5
				256QAM	1	49	1	0	19.93	20.5
				QPSK	1	49	1	0	24.81	25.5
20476	831.6	20575	841.5	16QAM	1	49	1	0	23.02	24.5
				64QAM	1	49	1	0	21.30	23.5
				256QAM	1	49	1	0	19.99	20.5
				QPSK	1	49	1	0	24.74	25.5
				16QAM	1	49	1	0	23.91	24.5
20501	834.1	20600	844	64QAM	1	49	1	0	21.37	23.5
				256QAM	1	49	1	0	19.96	20.5
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSC	SCC	Measured Power (dBm)	RB Size	RB offset	Max. Turn-up Power
				RB Size	RB offset	RB Size	RB offset	RB Size	RB offset	Max. Turn-up Power
20450	829	20522	836.2	QPSK	1	49	1	0	24.79	25.5
				16QAM	1	49	1	0	23.91	24.5
				64QAM	1	49	1	0	21.21	23.5
				256QAM	1	49	1	0	19.81	20.5
				QPSK	1	49	1	0	24.82	25.5
20500	834	20572	841.2	16QAM	1	49	1	0	22.98	24.5
				64QAM	1	49	1	0	21.36	23.5
				256QAM	1	49	1	0	19.90	20.5
				QPSK	1	49	1	0	24.65	25.5
				16QAM	1	49	1	0	23.85	24.5
20550	839	20622	846.2	64QAM	1	49	1	0	21.28	23.5
				256QAM	1	49	1	0	19.88	20.5
Combination 5MHz+10MHz (25RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSC	SCC	Measured Power (dBm)	RB Size	RB offset	Max. Turn-up Power
				RB Size	RB offset	RB Size	RB offset	RB Size	RB offset	Max. Turn-up Power
20426	826.9	20500	834	QPSK	1	24	1	0	24.77	25.5
				16QAM	1	24	1	0	23.93	24.5
				64QAM	1	24	1	0	21.19	23.5
				256QAM	1	24	1	0	19.79	20.5
				QPSK	1	24	1	0	24.05	25.5
20478	831.8	20550	839	16QAM	1	24	1	0	22.94	24.5
				64QAM	1	24	1	0	21.11	23.5
				256QAM	1	24	1	0	19.89	20.5
				QPSK	1	24	1	0	24.00	25.5
				16QAM	1	24	1	0	23.79	24.5
20528	836.8	20600	844	64QAM	1	24	1	0	21.25	23.5
				256QAM	1	24	1	0	19.89	20.5
Combination 5MHz+5MHz (25RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSC	SCC	Measured Power (dBm)	RB Size	RB offset	Max. Turn-up Power
				RB Size	RB offset	RB Size	RB offset	RB Size	RB offset	Max. Turn-up Power
20425	826.5	20464	830.4	QPSK	1	24	1	0	24.83	25.5
				16QAM	1	24	1	0	23.94	24.5
				64QAM	1	24	1	0	21.26	23.5
				256QAM	1	24	1	0	19.73	20.5
				QPSK	1	24	1	0	24.63	25.5
20510	836	20549	838.9	16QAM	1	24	1	0	22.95	24.5
				64QAM	1	24	1	0	21.10	23.5
				256QAM	1	24	1	0	19.80	20.5
				QPSK	1	24	1	0	24.82	25.5
				16QAM	1	24	1	0	23.97	24.5
20595	843.5	20634	847.4	64QAM	1	24	1	0	21.20	23.5
				256QAM	1	24	1	0	19.74	20.5
Combination 3MHz+5MHz (15RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSC	SCC	Measured Power (dBm)	RB Size	RB offset	Max. Turn-up Power
				RB Size	RB offset	RB Size	RB offset	RB Size	RB offset	Max. Turn-up Power
20416	825.6	20455	829.5	QPSK	1	14	1	0	24.80	25.5
				16QAM	1	14	1	0	23.89	24.5
				64QAM	1	14	1	0	21.15	23.5
				256QAM	1	14	1	0	19.87	20.5
				QPSK	1	14	1	0	24.58	25.5
20501	834.1	20540	838	16QAM	1	14	1	0	22.88	24.5
				64QAM	1	14	1	0	21.01	23.5
				256QAM	1	14	1	0	19.82	20.5
				QPSK	1	14	1	0	24.57	25.5
				16QAM	1	14	1	0	23.73	24.5
20586	842.6	20625	846.5	64QAM	1	14	1	0	21.25	23.5
				256QAM	1	14	1	0	19.86	20.5

CA_6B8 (Ant1)												
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Combination 10MHz+10MHz (50RB+50RB)						Measured Power (dBm)	Max. Turn-up Power	
				Modulation	RSC	RB Size	RB offset	SCC	RB Size			RB offset
132022	1715	132121	1724.9	QPSK	1	49	1	0	18.41	19		
				16QAM	1	49	1	0	17.92	18		
				64QAM	1	49	1	0	16.37	17		
				256QAM	1	49	1	0	13.71	14		
				QPSK	1	49	1	0	18.49	19		
132373	1750.1	132472	1760	16QAM	1	49	1	0	17.79	18		
				64QAM	1	49	1	0	16.28	17		
				256QAM	1	49	1	0	13.66	14		
				QPSK	1	49	1	0	18.36	19		
				16QAM	1	49	1	0	17.81	18		
132523	1765.1	132622	1775	64QAM	1	49	1	0	16.30	17		
				256QAM	1	49	1	0	13.75	14		
Combination 10MHz+5MHz (25RB+25RB)												
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSC	RB Size	RB offset	SCC	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
				RB Size	RB offset	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	
132047	1717.5	132146	1726.8	QPSK	1	74	1	0	18.31	19		
				16QAM	1	74	1	0	17.75	18		
				64QAM	1	74	1	0	16.16	17		
				256QAM	1	74	1	0	13.47	14		
				QPSK	1	74	1	0	18.38	19		
132398	1752.6	132491	1761.9	16QAM	1	74	1	0	17.72	18		
				64QAM	1	74	1	0	16.26	17		
				256QAM	1	74	1	0	13.38	14		
				QPSK	1	74	1	0	18.23	19		
				16QAM	1	74	1	0	17.64	18		
132549	1757.7	132642	1777	64QAM	1	74	1	0	16.58	17		
				256QAM	1	74	1	0	13.62	14		
Combination 5MHz+10MHz (25RB+75RB)												
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSC	RB Size	RB offset	SCC	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
				RB Size	RB offset	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	
132002	1713	132095	1722.3	QPSK	1	24	1	0	18.24	19		
				16QAM	1	24	1	0	17.79	18		
				64QAM	1	24	1	0	16.17	17		
				256QAM	1	24	1	0	13.58	14		
				QPSK	1	24	1	0	18.44	19		
132353	1748.1	132446	1757.4	16QAM	1	24	1	0	17.67	18		
				64QAM	1	24	1	0	16.01	17		
				256QAM	1	24	1	0	13.38	14		
				QPSK	1	24	1	0	18.05	19		
132504	1763.2	132597	1772.5	64QAM	1	24	1	0	16.64	17		
				256QAM	1	24	1	0	13.57	14		
Combination 10MHz+5MHz (50RB+25RB)												
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSC	RB Size	RB offset	SCC	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
				RB Size	RB offset	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	
132022	1715	132094	1722.2	QPSK	1	49	1	0	18.29	19		
				16QAM	1	49	1	0	17.87	18		
				64QAM	1	49	1	0	16.19	17		
				256QAM	1	49	1	0	13.63	14		
				QPSK	1	49	1	0	18.37	19		
132397	1752.5	132489	1759.7	16QAM	1	49	1	0	17.71	18		
				64QAM	1	49	1	0	16.13	17		
				256QAM	1	49	1	0	13.57	14		
				QPSK	1	49	1	0	18.37	19		
				16QAM	1	49	1	0	17.61	18		
132572	1770	132644	1777.2	64QAM	1	49	1	0	16.04	17		
				256QAM	1	49	1	0	13.59	14		
Combination 5MHz+10MHz (25RB+50RB)												
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSC	RB Size	RB offset	SCC	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
				RB Size	RB offset	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	
132000	1712.8	132072	1720	QPSK	1	24	1	0	18.25	19		
				16QAM	1	24	1	0	17.71	18		
				64QAM	1	24	1	0	16.15	17		
				256QAM	1	24	1	0	13.61	14		
				QPSK	1	24	1	0	18.30	19		
132375	1750.3	132447	1757.5	16QAM	1	24	1	0	17.70	18		
				64QAM	1	24	1	0	16.12	17		
				256QAM	1	24	1	0	13.32	14		
				QPSK	1	24	1	0	18.16	19		
				16QAM	1	24	1	0	17.63	18		
132550	1767.8	132622	1775.2	64QAM	1	24	1	0	16.08	17		
				256QAM	1	24	1	0	13.58	14		
Combination 5MHz+5MHz (25RB+25RB)												
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RSC	RB Size	RB offset	SCC	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power
				RB Size	RB offset	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Turn-up Power	
131997	1712.5	132045	1717.3	QPSK	1	24	1	0	18.17	19		
				16QAM	1	24	1	0	17.63	18		
				64QAM	1	24	1	0	16.08	17		
				256QAM	1	24	1	0	13.52	14		
				QPSK	1	24	1	0	18.32	19		
132396	1777.5	132446	1782.3	16QAM	1	24	1	0	18.04	17		
				64QAM	1	24	1	0	16.57	17		
				256QAM	1	24	1	0	13.37	14		
				QPSK	1	24	1	0	18.37	19		
				16QAM	1	24	1	0	17.70	18		
132599	1772.7	132647	1777.5	64QAM	1	24	1	0	16.09	17		
				256QAM	1	24	1	0	13.57	14		

CA 48C (Ann4)										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Tx Power (dBm)
50340	3560	50538	3579.8	QPSK	1	99	1	0	18.84	19.05
				16QAM	1	99	1	0	17.84	17.95
				64QAM	1	99	1	0	17.03	17.15
				256QAM	1	99	1	0	13.89	14.05
50891	3615.1	50899	3634.9	QPSK	1	99	1	0	19.07	19.15
				16QAM	1	99	1	0	18.07	18.15
				64QAM	1	99	1	0	17.06	17.15
				256QAM	1	99	1	0	13.95	14.15
50442	3670.2	50440	3690	QPSK	1	99	1	0	18.13	18.15
				16QAM	1	99	1	0	18.10	18.15
				64QAM	1	99	1	0	17.25	17.25
				256QAM	1	99	1	0	14.08	14.15
Combination 20MHz+10MHz (100RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Tx Power (dBm)
50340	3560	50511	3577.1	QPSK	1	99	1	0	18.75	18.95
				16QAM	1	99	1	0	17.85	17.95
				64QAM	1	99	1	0	16.81	16.95
				256QAM	1	99	1	0	13.74	13.95
50916	3617.6	50907	3634.7	QPSK	1	99	1	0	18.55	18.75
				16QAM	1	99	1	0	17.88	17.95
				64QAM	1	99	1	0	16.89	16.95
				256QAM	1	99	1	0	13.87	14.05
50491	3675.1	50562	3692.2	QPSK	1	99	1	0	19.03	19.15
				16QAM	1	99	1	0	17.85	17.95
				64QAM	1	99	1	0	17.14	17.15
				256QAM	1	99	1	0	14.01	14.15
Combination 10MHz+20MHz (50RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Tx Power (dBm)
50318	3557.8	50489	3574.9	QPSK	1	74	1	0	18.82	18.95
				16QAM	1	74	1	0	17.88	17.95
				64QAM	1	74	1	0	16.89	16.95
				256QAM	1	74	1	0	13.86	14.05
50883	3615.3	50504	3632.4	QPSK	1	74	1	0	18.95	19.05
				16QAM	1	74	1	0	17.94	18.05
				64QAM	1	74	1	0	16.98	17.05
				256QAM	1	74	1	0	14.02	14.15
50469	3672.8	50540	3690	QPSK	1	74	1	0	18.95	19.05
				16QAM	1	74	1	0	18.03	18.15
				64QAM	1	74	1	0	16.97	17.05
				256QAM	1	74	1	0	13.94	14.15
Combination 20MHz+10MHz (100RB+50RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Tx Power (dBm)
50340	3560	50484	3574.4	QPSK	1	99	1	0	18.82	18.95
				16QAM	1	99	1	0	17.84	17.95
				64QAM	1	99	1	0	16.83	16.95
				256QAM	1	99	1	0	13.75	13.95
50941	3620.1	50685	3634.5	QPSK	1	99	1	0	19.01	19.15
				16QAM	1	99	1	0	17.92	18.05
				64QAM	1	99	1	0	16.85	16.95
				256QAM	1	99	1	0	13.87	14.05
50541	3680.1	50688	3694.5	QPSK	1	99	1	0	18.95	19.05
				16QAM	1	99	1	0	18.03	18.15
				64QAM	1	99	1	0	17.09	17.15
				256QAM	1	99	1	0	14.06	14.15
Combination 10MHz+20MHz (50RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Tx Power (dBm)
50296	3558.8	50439	3569.9	QPSK	1	49	1	0	18.82	18.95
				16QAM	1	49	1	0	17.81	17.95
				64QAM	1	49	1	0	16.88	16.95
				256QAM	1	49	1	0	13.82	14.05
50896	3615.6	50840	3630	QPSK	1	49	1	0	18.87	18.95
				16QAM	1	49	1	0	17.86	17.95
				64QAM	1	49	1	0	16.90	16.95
				256QAM	1	49	1	0	13.92	14.05
50496	3675.6	50640	3690	QPSK	1	49	1	0	19.03	19.15
				16QAM	1	49	1	0	18.01	18.15
				64QAM	1	49	1	0	17.04	17.15
				256QAM	1	49	1	0	14.06	14.15
Combination 20MHz+5MHz (100RB+25RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Tx Power (dBm)
50340	3560	50457	3571.7	QPSK	1	99	1	0	18.84	18.95
				16QAM	1	99	1	0	17.81	17.95
				64QAM	1	99	1	0	16.89	16.95
				256QAM	1	99	1	0	13.80	13.95
50965	3622.5	50682	3634.2	QPSK	1	99	1	0	19.01	19.15
				16QAM	1	99	1	0	18.01	18.15
				64QAM	1	99	1	0	17.02	17.15
				256QAM	1	99	1	0	13.85	14.05
50990	3685	50707	3695.7	QPSK	1	99	1	0	19.08	19.15
				16QAM	1	99	1	0	18.02	18.15
				64QAM	1	99	1	0	17.05	17.15
				256QAM	1	99	1	0	14.10	14.15
Combination 5MHz+20MHz (25RB+100RB)										
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	Max. Tx Power (dBm)
50273	3553.3	50390	3560	QPSK	1	24	1	0	18.74	18.95
				16QAM	1	24	1	0	17.84	17.95
				64QAM	1	24	1	0	16.87	16.95
				256QAM	1	24	1	0	13.85	14.05
50898	3615.8	50910	3627.8	QPSK	1	24	1	0	18.07	18.15
				16QAM	1	24	1	0	17.87	17.95
				64QAM	1	24	1	0	16.94	17.05
				256QAM	1	24	1	0	13.94	14.15
50523	3678.3	50640	3690	QPSK	1	24	1	0	18.94	19.05
				16QAM	1	24	1	0	17.99	18.05
				64QAM	1	24	1	0	17.05	17.15
				256QAM	1	24	1	0	14.07	14.15

CA 48B (Ann4)									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)
50290	3555	50389	3564.9	QPSK	1	49	1	0	18.84
				16QAM	1	49	1	0	17.89
				64QAM	1	49	1	0	16.94
				256QAM	1	49	1	0	13.81
50341	3630.1	50140	3640	QPSK	1	49	1	0	18.89
				16QAM	1	49	1	0	17.89
				64QAM	1	49	1	0	17.05
				256QAM	1	49	1	0	13.85
50591	3685.1	50590	3695	QPSK	1	49	1	0	19.04
				16QAM	1	49	1	0	17.96
				64QAM	1	49	1	0	17.02
				256QAM	1	49	1	0	13.91

DSIS Power						
2.4GHz WLAN	Ant7					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11b 1Mbps	1	2412	19.18	20.00	18.00
		6	2437	19.22	20.00	18.00
		11	2462	18.43	20.00	18.00
	802.11g 6Mbps	1	2412	18.67	19.00	18.00
		6	2437	18.75	19.50	18.00
		11	2462	17.35	19.00	18.00
	802.11n-HT20 MCS0	1	2412	16.35	19.50	18.00
		6	2437	18.58	19.50	18.00
		11	2462	17.55	19.00	18.00
	802.11n-HT40 MCS0	1	2412	17.35	19.00	16.50
		6	2437	17.68	19.00	16.50
		11	2462	17.01	19.00	16.50

5GHz WLAN	Ant6					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	36	5180	18.79	20.00	18.00
		40	5200	18.67	20.00	18.00
		44	5220	18.73	20.00	18.00
		48	5240	18.84	20.00	18.00
	802.11n-HT20 MCS0	36	5180	18.44	20.00	18.00
		40	5200	18.37	20.00	18.00
		44	5220	18.62	20.00	18.00
		48	5240	18.71	20.00	18.00
	802.11n-HT40 MCS0	36	5180	17.69	19.00	17.00
		46	5230	18.16	19.00	17.00
	802.11ac-VHT20 MCS0	36	5180	17.23	19.00	17.00
		40	5200	17.34	19.00	17.00
		44	5220	17.41	19.00	17.00
		48	5240	17.69	19.00	17.00
	802.11ac-VHT40 MCS0	36	5180	17.21	19.00	16.50
		48	5230	17.66	19.00	16.50
		42	5210	16.33	18.00	15.50

5GHz WLAN	Ant6					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	52	5280	18.32	20.00	17.50
		56	5280	18.45	20.00	17.50
		60	5300	18.77	20.00	17.50
		64	5320	18.68	20.00	17.50
	802.11n-HT20 MCS0	52	5280	18.08	20.00	17.50
		56	5280	18.34	20.00	17.50
		60	5300	18.54	20.00	17.50
		64	5320	18.46	20.00	17.50
	802.11n-HT40 MCS0	54	5270	17.17	19.00	16.50
		62	5310	17.41	19.00	16.50
		62	5280	17.36	19.00	17.00
		56	5280	17.85	19.00	17.00
	802.11ac-VHT20 MCS0	60	5300	17.85	19.00	17.00
		64	5320	17.87	19.00	17.00
	802.11ac-VHT40 MCS0	54	5270	17.09	18.00	16.50
		62	5310	17.34	19.00	16.50
		58	5290	15.81	17.00	15.50

5GHz WLAN	Ant6					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	100	5500	19.01	20.00	17.50
		116	5580	19.01	20.00	17.50
		124	5620	19.14	20.00	17.50
		132	5660	19.22	20.00	17.50
		140	5700	19.48	20.00	17.50
		144	5720	19.59	20.00	17.50
	802.11n-HT20 MCS0	100	5500	18.81	20.00	17.50
		116	5580	18.82	20.00	17.50
		124	5620	18.94	20.00	17.50
		132	5660	19.21	20.00	17.50
		140	5700	19.40	20.00	17.50
		144	5720	19.34	20.00	17.50
	802.11n-HT40 MCS0	102	5510	18.09	20.00	16.50
		116	5550	18.28	20.00	16.50
		126	5630	18.41	20.00	16.50
		134	5670	18.55	20.00	16.50
		142	5710	18.60	20.00	16.50
		100	5500	17.72	19.00	16.50
	802.11ac-VHT20 MCS0	124	5620	17.84	19.00	16.50
		132	5660	18.05	19.00	16.50
		140	5700	18.26	19.00	16.50
		144	5720	18.29	19.00	16.50
		102	5510	18.01	19.00	16.50
		110	5560	18.19	19.00	16.50
	802.11ac-VHT40 MCS0	126	5630	18.22	19.00	16.50
		134	5670	18.38	19.00	16.50
		142	5710	18.40	19.00	16.50
		106	5530	17.11	19.00	15.50
		132	5610	17.23	19.00	15.50
		138	5690	17.58	19.00	15.50

5GHz WLAN	Ant6					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	149	5745	19.12	20.00	17.00
		157	5785	18.45	20.00	17.00
		165	5825	18.89	20.00	17.00
	802.11n-HT20 MCS0	149	5745	18.80	20.00	17.00
		157	5785	18.41	20.00	17.00
		165	5825	18.66	20.00	17.00
	802.11n-HT40 MCS0	151	5755	18.44	20.00	16.50
		159	5795	18.08	20.00	16.50
		149	5745	18.05	19.00	16.00
	802.11ac-VHT20 MCS0	157	5785	17.45	19.00	16.00
		165	5825	17.80	19.00	16.00
		151	5755	18.39	20.00	16.50
	802.11ac-VHT40 MCS0	159	5795	18.02	20.00	16.50
		155	5775	17.87	19.00	15.50

Ant7						
BT	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
BLE	1M	0	2402	8.51	10.00	default
		19	2440	8.43	10.00	default
		39	2480	8.98	10.00	default
		1	2454	8.42	10.00	default
		19	2440	8.45	10.00	default
	S2	38	2478	9.16	10.00	default
		0	2402	8.52	10.00	default
		19	2440	8.50	10.00	default
		39	2480	9.02	10.00	default
		0	2402	8.49	10.00	default
BLEEDR	SS	19	2440	8.46	10.00	default
		39	2480	8.99	10.00	default
		0	2402	11.85	13.00	9.00
		39	2441	11.81	13.00	9.00
		78	2480	12.26	13.00	9.00
	DQPSK	0	2402	9.13	10.00	9.00
		39	2441	9.07	10.00	9.00
		78	2480	9.61	10.00	9.00
		0	2402	9.06	10.00	9.00
		38	2441	8.99	10.00	9.00
	8DPSK	78	2480	9.54	10.00	9.00

DS12 Power						
2.4GHz WLAN	Ant7					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11b 1Mbps	1	2412	16.30	17.00	10.00
		6	2437	16.32	17.00	10.00
		11	2462	15.48	17.00	10.00
	802.11g 6Mbps	1	2412		16.00	
		6	2437		16.00	
		11	2462		16.00	
	802.11n-HT20 MCS0	1	2412		16.00	
		6	2437		16.00	
		11	2462		16.00	
	802.11n-HT40 MCS0	1	2412		16.00	
		6	2437		16.00	
		11	2462		16.00	
	802.11n-HT80 MCS0	1	2412		16.00	
		6	2437		16.00	
		11	2462		16.00	

5GHz WLAN	Ant6					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	36	5180	15.42	16.00	14.00
		40	5200	15.38	16.00	14.00
		44	5220	15.37	16.00	14.00
		48	5240	15.66	16.00	14.00
	802.11n-HT20 MCS0	36	5180		16.00	
		40	5200		16.00	
		44	5220		16.00	
		48	5240		16.00	
	802.11n-HT40 MCS0	36	5180		15.00	
		40	5200		15.00	
		44	5220		15.00	
		48	5240		15.00	
	802.11ac-VHT20 MCS0	36	5180		15.00	
		40	5200		15.00	
		44	5220		15.00	
		48	5240		15.00	
	802.11ac-VHT40 MCS0	36	5180		15.00	
		40	5200		15.00	
		44	5220		15.00	
		48	5240		15.00	
	802.11ac-VHT80 MCS0	36	5180		14.00	
		40	5200		14.00	
		44	5220		14.00	
		48	5240		14.00	

5GHz WLAN	Ant6					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	52	5260	15.15	16.00	14.00
		56	5280	15.16	16.00	14.00
		60	5300	15.48	16.00	14.00
		64	5320	15.34	16.00	14.00
	802.11n-HT20 MCS0	52	5260		16.00	
		56	5280		16.00	
		60	5300		16.00	
		64	5320		16.00	
	802.11n-HT40 MCS0	54	5270		15.00	
		62	5310		15.00	
		62	5310		15.00	
		66	5330		15.00	
	802.11ac-VHT20 MCS0	56	5280		15.00	
		60	5300		15.00	
		64	5320		15.00	
		64	5320		15.00	
	802.11ac-VHT40 MCS0	54	5270		15.00	
		62	5310		15.00	
		62	5310		15.00	
		66	5330		13.00	

5GHz WLAN	Ant6					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	100	5500	12.36	13.00	10.00
		116	5580	12.21	13.00	10.00
		124	5620	12.36	13.00	10.00
		132	5660	12.51	13.00	10.00
		140	5700	12.64	13.00	10.00
		144	5720	12.72	13.00	10.00
		100	5500		13.00	
		116	5580		13.00	
	802.11n-HT20 MCS0	124	5620		13.00	
		132	5660		13.00	
		140	5700		13.00	
		144	5720		13.00	
		102	5510		13.00	
		110	5550		13.00	
		126	5630		13.00	
		134	5670		13.00	
	802.11n-HT40 MCS0	142	5710		13.00	
		100	5500		12.00	
		116	5580		12.00	
		124	5620		12.00	
		132	5660		12.00	
		140	5700		12.00	
		144	5720		12.00	
		102	5510		12.00	
	802.11ac-VHT20 MCS0	110	5550		12.00	
		126	5630		12.00	
		134	5670		12.00	
		142	5710		12.00	
	802.11ac-VHT40 MCS0	106	5530		12.00	
		122	5610		12.00	
		138	5690		12.00	
		138	5690		12.00	

5GHz WLAN	Ant6					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	148	5745	12.28	13.00	10.00
		157	5785	11.61	13.00	10.00
		165	5825	12.13	13.00	10.00
		148	5745		13.00	
	802.11n-HT20 MCS0	157	5785		13.00	
		165	5825		13.00	
	802.11n-HT40 MCS0	151	5755		13.00	
		159	5795		13.00	
		149	5745		13.00	
	802.11ac-VHT20 MCS0	157	5785		12.00	
		165	5825		12.00	
	802.11ac-VHT40 MCS0	151	5755		13.00	
		159	5795		13.00	
		155	5775		12.00	
		155	5775		12.00	

Ant7						
BT	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
BLE	1M	0	2402	8.51	10.00	default
		19	2440	8.43	10.00	default
		39	2480	8.98	10.00	default
		1	2404	8.42	10.00	default
	2M	19	2440	8.45	10.00	default
		38	2478	9.16	10.00	default
		0	2402	8.52	10.00	default
		19	2440	8.50	10.00	default
	SS	39	2480	9.02	10.00	default
		0	2402	8.49	10.00	default
		19	2440	8.46	10.00	default
		39	2480	8.99	10.00	default
BLEDR	GFSK	0	2402	11.85	13.00	9.00
		39	2441	11.81	13.00	9.00
		78	2480	12.26	13.00	9.00
		0	2402	9.13	10.00	9.00
	DQPSK	39	2441	9.07	10.00	9.00
		78	2480	9.61	10.00	9.00
	BPSK	0	2402	9.06	10.00	9.00
		39	2441	8.99	10.00	9.00
		78	2480	9.54	10.00	9.00

DSI3&4 Power						
2.4GHz WLAN		Ant7				
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11b 1Mbps	1	2412	16.30	17.00	10.00
		6	2437	16.30	17.00	10.00
		11	2462	15.48	17.00	10.00
	802.11g 6Mbps	1	2412		16.00	
		6	2437		16.00	
		11	2462		16.00	
	802.11n-HT20 MCS0	1	2412		16.00	
		6	2437		16.00	
		11	2462		16.00	
	802.11n-HT40 MCS0	1	2412		16.00	
		6	2437		16.00	
		11	2462		16.00	
	802.11ac-VHT20 MCS0	1	2412		16.00	
		6	2437		16.00	
		11	2462		16.00	

5GHz WLAN		Ant6				
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	36	5180	15.42	16.00	14.00
		40	5200	15.38	16.00	14.00
		44	5220	15.37	16.00	14.00
		48	5240	15.66	16.00	14.00
	802.11n-HT20 MCS0	36	5180		16.00	
		40	5200		16.00	
		44	5220		16.00	
		48	5240		16.00	
	802.11n-HT40 MCS0	36	5180		15.00	
		40	5200		15.00	
		44	5220		15.00	
		48	5240		15.00	
	802.11ac-VHT20 MCS0	36	5180		15.00	
		40	5200		15.00	
		44	5220		15.00	
		48	5240		15.00	
	802.11ac-VHT40 MCS0	36	5180		15.00	
		40	5200		15.00	
		44	5220		15.00	
		48	5240		15.00	

5GHz WLAN		Ant6				
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	52	5260	15.15	16.00	14.00
		56	5280	15.16	16.00	14.00
		60	5300	15.48	16.00	14.00
		64	5320	15.34	16.00	14.00
	802.11n-HT20 MCS0	52	5260		16.00	
		56	5280		16.00	
		60	5300		16.00	
		64	5320		16.00	
	802.11n-HT40 MCS0	54	5270		15.00	
		62	5310		15.00	
		62	5260		15.00	
		56	5280		15.00	
	802.11ac-VHT20 MCS0	60	5300		15.00	
		64	5320		15.00	
		54	5270		15.00	
		62	5310		15.00	
	802.11ac-VHT80 MCS0	58	5290		13.00	

5GHz WLAN		Ant6				
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	100	5500	12.36	13.00	10.00
		116	5580	12.21	13.00	10.00
		124	5620	12.36	13.00	10.00
		132	5660	12.51	13.00	10.00
		140	5700	12.64	13.00	10.00
		144	5720	12.72	13.00	10.00
		100	5500		13.00	
		116	5580		13.00	
	802.11n-HT20 MCS0	124	5620		13.00	
		132	5660		13.00	
		140	5700		13.00	
		144	5720		13.00	
		102	5510		13.00	
		110	5550		13.00	
		126	5630		13.00	
		134	5670		13.00	
	802.11n-HT40 MCS0	142	5710		13.00	
		100	5500		12.00	
		116	5580		12.00	
		124	5620		12.00	
		132	5660		12.00	
		140	5700		12.00	
		144	5720		12.00	
		102	5510		12.00	
	802.11ac-VHT20 MCS0	110	5550		12.00	
		126	5630		12.00	
		134	5670		12.00	
		142	5710		12.00	
		106	5530		12.00	
		122	5610		12.00	
		138	5690		12.00	

5GHz WLAN		Ant6				
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	148	5745	12.28	13.00	10.00
		157	5785	11.61	13.00	10.00
		165	5825	12.13	13.00	10.00
	802.11n-HT20 MCS0	148	5745		13.00	
		157	5785		13.00	
		165	5825		13.00	
	802.11n-HT40 MCS0	151	5755		13.00	
		159	5795		13.00	
		168	5745		13.00	
	802.11ac-VHT20 MCS0	157	5785		12.00	
		165	5825		12.00	
		151	5755		13.00	
	802.11ac-VHT40 MCS0	159	5795		13.00	
		165	5775		12.00	

		Ant7				
BT	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
BLE	1M	0	2402	8.91	10.00	default
		19	2440	8.43	10.00	default
		39	2480	8.98	10.00	default
		1	2404	8.42	10.00	default
	2M	19	2440	8.45	10.00	default
		38	2478	9.16	10.00	default
		0	2402	8.52	10.00	default
		19	2440	8.50	10.00	default
	SS	39	2480	9.02	10.00	default
		0	2402	8.49	10.00	default
		19	2440	8.46	10.00	default
		39	2480	8.99	10.00	default
BLEDR	GFSK	0	2402	11.85	13.00	9.00
		39	2441	11.81	13.00	9.00
		78	2480	12.26	13.00	9.00
		0	2402	9.13	10.00	9.00
	DQPSK	39	2441	9.07	10.00	9.00
		78	2480	9.61	10.00	9.00
		0	2402	9.06	10.00	9.00
		39	2441	8.99	10.00	9.00

Appendix E. SAR Results for Exposure Condition

The SAR Results for Exposure Condition is shown as below.

Head Exposure Condition

System & Position											SAR							
Plot No.	Band	Mode	Test Position	Separation Distance	Channel	RB	offset	Ant Status	DUT Status	Sample	Duty Cycle	Maximum Time-up (dBm)	Conducted Power (dBm)	Power Drift	SAR 1g	Duty Cycle Scaling	Scaling Factor	Scaled 1g SAR
P01	GSM850	GPRS 2Tx Slot	Right Cheek	0cm	251	-	-	Ant 2	DSi2	1	-	31.50	31.06	0.12	0.308	1.000	1.107	0.34
	GSM850	GPRS 2Tx Slot	Right Tilted	0cm	251	-	-	Ant 2	DSi2	1	-	31.50	31.06	0.09	0.121	1.000	1.107	0.13
	GSM850	GPRS 2Tx Slot	Left Cheek	0cm	251	-	-	Ant 2	DSi2	1	-	31.50	31.06	0.15	0.209	1.000	1.107	0.23
	GSM850	GPRS 2Tx Slot	Left Tilted	0cm	251	-	-	Ant 2	DSi2	1	-	31.50	31.06	0.06	0.141	1.000	1.107	0.16
P02	GSM1900	GPRS 2Tx Slot	Right Cheek	0cm	512	-	-	Ant 1	DSi2	1	-	29.50	28.64	0.05	0.110	1.000	1.219	0.13
	GSM1900	GPRS 2Tx Slot	Right Tilted	0cm	512	-	-	Ant 1	DSi2	1	-	29.50	28.64	0.14	0.099	1.000	1.219	0.12
	GSM1900	GPRS 2Tx Slot	Left Cheek	0cm	512	-	-	Ant 1	DSi2	1	-	29.50	28.64	-0.17	0.154	1.000	1.219	0.19
	GSM1900	GPRS 2Tx Slot	Left Tilted	0cm	512	-	-	Ant 1	DSi2	1	-	29.50	28.64	0.03	0.063	1.000	1.219	0.08
P03	WCDMA II	RMC 12.2K	Right Cheek	0cm	9400	-	-	Ant 1	DSi2	1	-	25.00	24.37	-0.01	0.207	1.000	1.156	0.24
	WCDMA II	RMC 12.2K	Right Tilted	0cm	9400	-	-	Ant 1	DSi2	1	-	25.00	24.37	0.14	0.155	1.000	1.156	0.18
	WCDMA II	RMC 12.2K	Left Cheek	0cm	9400	-	-	Ant 1	DSi2	1	-	25.00	24.37	-0.07	0.277	1.000	1.156	0.32
	WCDMA II	RMC 12.2K	Left Tilted	0cm	9400	-	-	Ant 1	DSi2	1	-	25.00	24.37	-0.17	0.109	1.000	1.156	0.13
P04	WCDMA V	RMC 12.2K	Right Cheek	0cm	4182	-	-	Ant 2	DSi2	1	-	25.00	24.42	0.04	0.269	1.000	1.143	0.31
	WCDMA V	RMC 12.2K	Right Tilted	0cm	4182	-	-	Ant 2	DSi2	1	-	25.00	24.42	-0.06	0.122	1.000	1.143	0.14
	WCDMA V	RMC 12.2K	Left Cheek	0cm	4182	-	-	Ant 2	DSi2	1	-	25.00	24.42	-0.02	0.203	1.000	1.143	0.23
	WCDMA V	RMC 12.2K	Left Tilted	0cm	4182	-	-	Ant 2	DSi2	1	-	25.00	24.42	-0.01	0.148	1.000	1.143	0.17
P05	LTE Band 2	QPSK20M	Right Cheek	0cm	18700	1	50	Ant 1	DSi2	1	-	22.50	21.34	0.04	0.165	1.000	1.306	0.22
	LTE Band 2	QPSK20M	Right Tilted	0cm	18700	1	50	Ant 1	DSi2	1	-	22.50	21.34	0.14	0.144	1.000	1.306	0.19
	LTE Band 2	QPSK20M	Left Cheek	0cm	18700	1	50	Ant 1	DSi2	1	-	22.50	21.34	0.05	0.218	1.000	1.306	0.29
	LTE Band 2	QPSK20M	Left Tilted	0cm	18700	1	50	Ant 1	DSi2	1	-	22.50	21.34	0.15	0.099	1.000	1.306	0.13
	LTE Band 2	QPSK20M	Right Cheek	0cm	18700	50	50	Ant 1	DSi2	1	-	21.50	20.45	0.17	0.134	1.000	1.274	0.17
	LTE Band 2	QPSK20M	Right Tilted	0cm	18700	50	50	Ant 1	DSi2	1	-	21.50	20.45	-0.06	0.115	1.000	1.274	0.15
	LTE Band 2	QPSK20M	Left Cheek	0cm	18700	50	50	Ant 1	DSi2	1	-	21.50	20.45	0.06	0.170	1.000	1.274	0.22
	LTE Band 2	QPSK20M	Left Tilted	0cm	18700	50	50	Ant 1	DSi2	1	-	21.50	20.45	-0.13	0.081	1.000	1.274	0.10
	LTE Band 2 (ENDC)	QPSK20M	Right Cheek	0cm	18700	1	50	Ant 5	DSi2	1	-	16.50	15.39	-0.12	0.524	1.000	1.291	0.68
	LTE Band 2 (ENDC)	QPSK20M	Right Tilted	0cm	18700	1	50	Ant 5	DSi2	1	-	16.50	15.39	-0.08	0.740	1.000	1.291	0.96
	LTE Band 2 (ENDC)	QPSK20M	Left Cheek	0cm	18700	1	50	Ant 5	DSi2	1	-	16.50	15.39	0.1	0.365	1.000	1.291	0.47
	LTE Band 2 (ENDC)	QPSK20M	Left Tilted	0cm	18700	1	50	Ant 5	DSi2	1	-	16.50	15.39	0.01	0.457	1.000	1.291	0.59
P06	LTE Band 2 (ENDC)	QPSK20M	Right Cheek	0cm	18700	50	50	Ant 5	DSi2	1	-	15.50	14.38	0.04	0.549	1.000	1.294	0.71
	LTE Band 2 (ENDC)	QPSK20M	Right Tilted	0cm	18700	50	50	Ant 5	DSi2	1	-	15.50	14.38	-0.19	0.763	1.000	1.294	0.99
	LTE Band 2 (ENDC)	QPSK20M	Left Cheek	0cm	18700	50	50	Ant 5	DSi2	1	-	15.50	14.38	-0.05	0.400	1.000	1.294	0.52
	LTE Band 2 (ENDC)	QPSK20M	Left Tilted	0cm	18700	50	50	Ant 5	DSi2	1	-	15.50	14.38	0.15	0.503	1.000	1.294	0.65
	LTE Band 2 (ENDC)	QPSK20M	Right Tilted	0cm	18900	1	50	Ant 5	DSi2	1	-	16.50	15.24	0.11	0.706	1.000	1.337	0.94
	LTE Band 2 (ENDC)	QPSK20M	Right Tilted	0cm	19100	1	50	Ant 5	DSi2	1	-	16.50	15.18	-0.2	0.767	1.000	1.355	1.04
	LTE Band 2 (ENDC)	QPSK20M	Right Tilted	0cm	18900	50	50	Ant 5	DSi2	1	-	15.50	14.25	-0.14	0.697	1.000	1.334	0.93
	LTE Band 2 (ENDC)	QPSK20M	Right Tilted	0cm	19100	50	50	Ant 5	DSi2	1	-	15.50	14.35	0.02	0.801	1.000	1.303	1.04
	LTE Band 2 (ENDC)	QPSK20M	Right Tilted	0cm	18700	100	0	Ant 5	DSi2	1	-	15.50	14.29	-0.15	0.673	1.000	1.321	0.89
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Right Cheek	0cm	18700	1	50	Ant 5	DSi5	1	-	14.00	13.08	0.01	0.391	1.000	1.236	0.48
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Right Tilted	0cm	18700	1	50	Ant 5	DSi5	1	-	14.00	13.08	0.07	0.424	1.000	1.236	0.52
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Left Cheek	0cm	18700	1	50	Ant 5	DSi5	1	-	14.00	13.08	0.15	0.221	1.000	1.236	0.27
P07	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Left Tilted	0cm	18700	1	50	Ant 5	DSi5	1	-	14.00	13.08	0.13	0.280	1.000	1.236	0.35
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Right Cheek	0cm	18700	50	50	Ant 5	DSi5	1	-	13.00	12.08	0.1	0.410	1.000	1.236	0.51
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Right Tilted	0cm	18700	50	50	Ant 5	DSi5	1	-	13.00	12.08	0.09	0.479	1.000	1.236	0.59
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Left Cheek	0cm	18700	50	50	Ant 5	DSi5	1	-	13.00	12.08	0.01	0.290	1.000	1.236	0.36
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Left Tilted	0cm	18700	50	50	Ant 5	DSi5	1	-	13.00	12.08	0.13	0.281	1.000	1.236	0.35
	LTE Band 5	QPSK10M	Right Cheek	0cm	20600	1	0	Ant 2	DSi2	1	-	25.50	24.25	0.11	0.209	1.000	1.334	0.28
	LTE Band 5	QPSK10M	Right Tilted	0cm	20600	1	0	Ant 2	DSi2	1	-	25.50	24.25	-0.13	0.101	1.000	1.334	0.14
	LTE Band 5	QPSK10M	Left Cheek	0cm	20600	1	0	Ant 2	DSi2	1	-	25.50	24.25	0.09	0.174	1.000	1.334	0.23
	LTE Band 5	QPSK10M	Left Tilted	0cm	20600	1	0	Ant 2	DSi2	1	-	25.50	24.25	0.05	0.122	1.000	1.334	0.16
	LTE Band 5	QPSK10M	Right Cheek	0cm	20600	25	25	Ant 2	DSi2	1	-	24.50	23.30	0.12	0.167	1.000	1.318	0.22
	LTE Band 5	QPSK10M	Right Tilted	0cm	20600	25	25	Ant 2	DSi2	1	-	24.50	23.30	0.06	0.094	1.000	1.318	0.12
	LTE Band 5	QPSK10M	Left Cheek	0cm	20600	25	25	Ant 2	DSi2	1	-	24.50	23.30	-0.12	0.163	1.000	1.318	0.22
P08	LTE Band 5	QPSK10M	Left Tilted	0cm	20600	25	25	Ant 2	DSi2	1	-	24.50	23.30	-0.08	0.091	1.000	1.318	0.12
	LTE Band 5B	QPSK10M	Right Cheek	0cm	PCC-20450 SCC-20549	1	49	Ant 2	DSi2	1	-	25.50	24.87	0.07	0.199	1.000	1.156	0.23
	LTE Band 7	QPSK20M	Right Cheek	0cm	21100	1	0	Ant 5	DSi2	1	-	17.00	16.00	0.05	0.729	1.000	1.259	0.92
	LTE Band 7	QPSK20M	Right Tilted	0cm	21100	1	0	Ant 5	DSi2	1	-	17.00	16.00	0.02	0.839	1.000	1.259	1.06
	LTE Band 7	QPSK20M	Left Cheek	0cm	21100	1	0	Ant 5	DSi2	1	-	17.00	16.00	0.15	0.291	1.000	1.259	0.37
	LTE Band 7	QPSK20M	Left Tilted	0cm	21100	1	0	Ant 5	DSi2	1	-	17.00	16.00	-0.17	0.402	1.000	1.259	0.51
	LTE Band 7	QPSK20M	Right Cheek	0cm	21100	50	0	Ant 5	DSi2	1	-	16.00	14.95	0.06	0.664	1.000	1.274	0.85
	LTE Band 7	QPSK20M	Right Tilted	0cm	21100	50	0	Ant 5	DSi2	1	-	16.00	14.95	-0.06	0.733	1.000	1.274	0.93
	LTE Band 7	QPSK20M	Left Cheek	0cm	21100	50	0	Ant 5	DSi2	1	-	16.00	14.95	0.1	0.226	1.000	1.274	0.29
	LTE Band 7	QPSK20M	Left Tilted	0cm	21100	50	0	Ant 5	DSi2	1	-	16.00	14.95	0.18	0.322	1.000	1.274	0.41
	LTE Band 7	QPSK20M	Right Cheek	0cm	20850	1	0	Ant 5	DSi2	1	-	17.00	15.96	-0.18	0.670	1.000	1.271	0.85
	LTE Band 7	QPSK20M	Right Tilted	0cm	21350	1	0	Ant 5	DSi2	1	-	17.00	15.87	-0.15	0.688	1.000	1.297	0.89
P09	LTE Band 7	QPSK20M	Right Tilted	0cm	20850	1	0	Ant 5	DSi2	1	-	17.00	15.96	-0.07	0.742	1.000	1.271	0.94
	LTE Band 7	QPSK20M	Right Tilted	0cm	21350	1	0	Ant 5	DSi2									

	LTE Band 12	QPSK10M	Left Cheek	0cm	23095	25	25	Ant 2	DSI2	1	-	24.50	23.28	-0.2	0.057	1.000	1.324	0.08
	LTE Band 12	QPSK10M	Left Tilted	0cm	23095	25	25	Ant 2	DSI2	1	-	24.50	23.28	-0.18	0.060	1.000	1.324	0.08
	LTE Band 13	QPSK10M	Right Cheek	0cm	23230	1	24	Ant 2	DSI2	1	-	25.50	24.12	-0.1	0.143	1.000	1.374	0.20
	LTE Band 13	QPSK10M	Right Tilted	0cm	23230	1	24	Ant 2	DSI2	1	-	25.50	24.12	-0.15	0.087	1.000	1.374	0.12
	LTE Band 13	QPSK10M	Left Cheek	0cm	23230	1	24	Ant 2	DSI2	1	-	25.50	24.12	0.08	0.133	1.000	1.374	0.18
	LTE Band 13	QPSK10M	Left Tilted	0cm	23230	1	24	Ant 2	DSI2	1	-	25.50	24.12	-0.06	0.113	1.000	1.374	0.16
P09	LTE Band 13	QPSK10M	Right Cheek	0cm	23230	25	25	Ant 2	DSI2	1	-	24.50	23.14	0.06	0.153	1.000	1.368	0.21
	LTE Band 13	QPSK10M	Right Tilted	0cm	23230	25	25	Ant 2	DSI2	1	-	24.50	23.14	0.15	0.077	1.000	1.368	0.11
	LTE Band 13	QPSK10M	Left Cheek	0cm	23230	25	25	Ant 2	DSI2	1	-	24.50	23.14	-0.09	0.086	1.000	1.368	0.12
	LTE Band 13	QPSK10M	Left Tilted	0cm	23230	25	25	Ant 2	DSI2	1	-	24.50	23.14	-0.02	0.098	1.000	1.368	0.13
	LTE Band 48	QPSK20M	Right Cheek	0cm	56640	1	50	Ant 4	DSI2	1	62.9	21.00	20.48	-0.1	0.850	1.006	1.127	0.96
	LTE Band 48	QPSK20M	Right Tilted	0cm	56640	1	50	Ant 4	DSI2	1	62.9	21.00	20.48	-0.18	0.424	1.006	1.127	0.48
	LTE Band 48	QPSK20M	Left Cheek	0cm	56640	1	50	Ant 4	DSI2	1	62.9	21.00	20.48	-0.01	0.195	1.006	1.127	0.22
	LTE Band 48	QPSK20M	Left Tilted	0cm	56640	1	50	Ant 4	DSI2	1	62.9	21.00	20.48	-0.02	0.150	1.006	1.127	0.17
	LTE Band 48	QPSK20M	Right Cheek	0cm	56640	50	50	Ant 4	DSI2	1	62.9	20.00	19.53	-0.02	0.793	1.006	1.114	0.89
	LTE Band 48	QPSK20M	Right Tilted	0cm	56640	50	50	Ant 4	DSI2	1	62.9	20.00	19.53	0.17	0.329	1.006	1.114	0.37
	LTE Band 48	QPSK20M	Left Cheek	0cm	56640	50	50	Ant 4	DSI2	1	62.9	20.00	19.53	0.05	0.160	1.006	1.114	0.18
	LTE Band 48	QPSK20M	Left Tilted	0cm	56640	50	50	Ant 4	DSI2	1	62.9	20.00	19.53	-0.08	0.117	1.006	1.114	0.13
P10	LTE Band 48	QPSK20M	Right Cheek	0cm	55340	1	50	Ant 4	DSI2	1	62.9	21.00	20.45	0.02	0.908	1.006	1.135	1.04
	LTE Band 48	QPSK20M	Right Cheek	0cm	55830	1	50	Ant 4	DSI2	1	62.9	21.00	20.26	0.16	0.836	1.006	1.186	1.00
	LTE Band 48	QPSK20M	Right Cheek	0cm	56150	1	50	Ant 4	DSI2	1	62.9	21.00	20.23	0.09	0.790	1.006	1.194	0.95
	LTE Band 48	QPSK20M	Right Cheek	0cm	55340	50	50	Ant 4	DSI2	1	62.9	20.00	19.49	0.08	0.898	1.006	1.125	1.02
	LTE Band 48	QPSK20M	Right Cheek	0cm	55830	50	50	Ant 4	DSI2	1	62.9	20.00	19.34	-0.14	0.821	1.006	1.164	0.96
	LTE Band 48	QPSK20M	Right Cheek	0cm	56150	50	50	Ant 4	DSI2	1	62.9	20.00	19.43	-0.1	0.794	1.006	1.140	0.91
	LTE Band 48	QPSK20M	Right Cheek	0cm	56640	100	0	Ant 4	DSI2	1	62.9	20.00	19.51	-0.15	0.722	1.006	1.119	0.81
	LTE Band 48B	QPSK20M	Right Cheek	0cm	PCC:56041 SCC:56140	1	49	Ant 4	DSI2	1	62.9	21.00	20.60	-0.18	0.874	1.006	1.096	0.96
	LTE Band 48C	QPSK20M	Right Cheek	0cm	PCC:56442 SCC:56640	1	99	Ant 4	DSI2	1	62.9	21.00	20.64	0.04	0.851	1.006	1.086	0.93
	LTE Band 48 (ENDC)	QPSK20M	Right Cheek	0cm	56640	1	50	Ant 4	DSI2	1	62.9	21.00	20.48	-0.1	0.850	1.006	1.127	0.96
	LTE Band 48 (ENDC)	QPSK20M	Right Tilted	0cm	56640	1	50	Ant 4	DSI2	1	62.9	21.00	20.48	-0.18	0.424	1.006	1.127	0.48
	LTE Band 48 (ENDC)	QPSK20M	Left Cheek	0cm	56640	1	50	Ant 4	DSI2	1	62.9	21.00	20.48	-0.01	0.195	1.006	1.127	0.22
	LTE Band 48 (ENDC)	QPSK20M	Left Tilted	0cm	56640	1	50	Ant 4	DSI2	1	62.9	21.00	20.48	-0.02	0.150	1.006	1.127	0.17
	LTE Band 48 (ENDC)	QPSK20M	Right Cheek	0cm	56640	50	50	Ant 4	DSI2	1	62.9	20.00	19.53	-0.02	0.793	1.006	1.114	0.89
	LTE Band 48 (ENDC)	QPSK20M	Right Tilted	0cm	56640	50	50	Ant 4	DSI2	1	62.9	20.00	19.53	0.17	0.329	1.006	1.114	0.37
	LTE Band 48 (ENDC)	QPSK20M	Left Cheek	0cm	56640	50	50	Ant 4	DSI2	1	62.9	20.00	19.53	0.05	0.160	1.006	1.114	0.18
	LTE Band 48 (ENDC)	QPSK20M	Left Tilted	0cm	56640	50	50	Ant 4	DSI2	1	62.9	20.00	19.53	-0.08	0.117	1.006	1.114	0.13
	LTE Band 48 (ENDC)	QPSK20M	Right Cheek	0cm	55340	1	50	Ant 4	DSI2	1	62.9	21.00	20.45	0.02	0.908	1.006	1.135	1.04
	LTE Band 48 (ENDC)	QPSK20M	Right Cheek	0cm	55830	1	50	Ant 4	DSI2	1	62.9	21.00	20.26	0.16	0.836	1.006	1.186	1.00
	LTE Band 48 (ENDC)	QPSK20M	Right Cheek	0cm	56150	1	50	Ant 4	DSI2	1	62.9	21.00	20.23	0.09	0.790	1.006	1.194	0.95
	LTE Band 48 (ENDC)	QPSK20M	Right Cheek	0cm	55340	50	50	Ant 4	DSI2	1	62.9	20.00	19.49	0.08	0.898	1.006	1.125	1.02
	LTE Band 48 (ENDC)	QPSK20M	Right Cheek	0cm	55830	50	50	Ant 4	DSI2	1	62.9	20.00	19.34	-0.14	0.821	1.006	1.164	0.96
	LTE Band 48 (ENDC)	QPSK20M	Right Cheek	0cm	56150	50	50	Ant 4	DSI2	1	62.9	20.00	19.43	-0.1	0.794	1.006	1.140	0.91
	LTE Band 48 (ENDC)	QPSK20M	Right Cheek	0cm	56640	100	0	Ant 4	DSI2	1	62.9	20.00	19.51	-0.15	0.722	1.006	1.119	0.81
	LTE Band 48 (Sim-Tx)	QPSK20M	Right Cheek	0cm	56640	1	50	Ant 4	DSI5	1	62.9	20.00	19.43	-0.14	0.671	1.006	1.140	0.77
	LTE Band 48 (Sim-Tx)	QPSK20M	Right Tilted	0cm	56640	1	50	Ant 4	DSI5	1	62.9	20.00	19.43	0.04	0.362	1.006	1.140	0.42
	LTE Band 48 (Sim-Tx)	QPSK20M	Left Cheek	0cm	56640	1	50	Ant 4	DSI5	1	62.9	20.00	19.43	-0.13	0.156	1.006	1.140	0.18
	LTE Band 48 (Sim-Tx)	QPSK20M	Left Tilted	0cm	56640	1	50	Ant 4	DSI5	1	62.9	20.00	19.43	-0.08	0.120	1.006	1.140	0.14
	LTE Band 48 (Sim-Tx)	QPSK20M	Right Cheek	0cm	56640	50	50	Ant 4	DSI5	1	62.9	19.00	18.52	-0.08	0.597	1.006	1.117	0.67
	LTE Band 48 (Sim-Tx)	QPSK20M	Right Tilted	0cm	56640	50	50	Ant 4	DSI5	1	62.9	19.00	18.52	-0.03	0.286	1.006	1.117	0.32
	LTE Band 48 (Sim-Tx)	QPSK20M	Left Cheek	0cm	56640	50	50	Ant 4	DSI5	1	62.9	19.00	18.52	-0.16	0.125	1.006	1.117	0.14
	LTE Band 48 (Sim-Tx)	QPSK20M	Left Tilted	0cm	56640	50	50	Ant 4	DSI5	1	62.9	19.00	18.52	-0.08	0.105	1.006	1.117	0.12
	LTE Band 48 (ENDC&Sim-Tx)	QPSK20M	Right Cheek	0cm	56640	1	50	Ant 4	DSI5	1	62.9	18.50	17.95	0.19	0.519	1.006	1.135	0.59
	LTE Band 48 (ENDC&Sim-Tx)	QPSK20M	Right Tilted	0cm	56640	1	50	Ant 4	DSI5	1	62.9	18.50	17.95	0.01	0.417	1.006	1.135	0.48
	LTE Band 48 (ENDC&Sim-Tx)	QPSK20M	Left Cheek	0cm	56640	1	50	Ant 4	DSI5	1	62.9	18.50	17.95	-0.15	0.213	1.006	1.135	0.24
	LTE Band 48 (ENDC&Sim-Tx)	QPSK20M	Left Tilted	0cm	56640	1	50	Ant 4	DSI5	1	62.9	18.50	17.95	-0.09	0.094	1.006	1.135	0.11
	LTE Band 48 (ENDC&Sim-Tx)	QPSK20M	Right Cheek	0cm	56640	50	50	Ant 4	DSI5	1	62.9	17.50	17.06	0.17	0.486	1.006	1.107	0.54
	LTE Band 48 (ENDC&Sim-Tx)	QPSK20M	Right Tilted	0cm	56640	50	50	Ant 4	DSI5	1	62.9	17.50	17.06	0.07	0.395	1.006	1.107	0.44
	LTE Band 48 (ENDC&Sim-Tx)	QPSK20M	Left Cheek	0cm	56640	50	50	Ant 4	DSI5	1	62.9	17.50	17.06	-0.05	0.192	1.006	1.107	0.21
	LTE Band 48 (ENDC&Sim-Tx)	QPSK20M	Left Tilted	0cm	56640	50	50	Ant 4	DSI5	1	62.9	17.50	17.06	-0.16	0.075	1.006	1.107	0.08
	LTE Band 66/4	QPSK20M	Right Cheek	0cm	132322	1	99	Ant 1	DSI2	1	-	24.50	23.50	0.13	0.166	1.000	1.259	0.21
	LTE Band 66/4	QPSK20M	Right Tilted	0cm	132322	1	99	Ant 1	DSI2	1	-	24.50	23.50	0.06	0.195	1.000	1.259	0.25
	LTE Band 66/4	QPSK20M	Left Cheek	0cm	132322	1	99	Ant 1	DSI2	1	-	24.50	23.50	0.05	0.217	1.000	1.259	0.27
	LTE Band 66/4	QPSK20M	Left Tilted	0cm	132322	1	99	Ant 1	DSI2	1	-	24.50	23.50	-0.02	0.066	1.000	1.259	0.08
	LTE Band 66/4	QPSK20M	Right Cheek	0cm	132322	50	50	Ant 1	DSI2	1	-	23.50	22.55	-0.02	0.124	1.000	1.245	0.15
	LTE Band 66/4	QPSK20M	Right Tilted	0cm	132322	50	50	Ant 1	DSI2	1	-	23.50	22.55	0.09	0.161	1.000	1.245	0.20
	LTE Band 66/4	QPSK20M	Left Cheek	0cm	132322	50	50	Ant 1	DSI2	1	-	23.50	22.55	-0.16	0.186	1.000	1.245	0.23
	LTE Band 66/4	QPSK20M	Left Tilted	0cm	132322	50	50	Ant 1	DSI2	1	-	23.50	22.55	-0.11	0.056	1.000	1.245	0.07
	LTE Band 66B	QPSK20M	Left Cheek	0cm	PCC:13237 3	1	49	Ant 1	DSI2	1	-	24.50	23.92	0.08	0.205	1.000	1.143	0.23
	LTE Band 66C	QPSK20M	Left Cheek	0cm	PCC:13232 3	1	99	Ant 1	DSI2	1	-	24.50	23.91	0.01	0.196	1.000	1.146	0.23
P11	LTE Band 66/4 (ENDC)	QPSK20M	Right Cheek	0cm	132322	1	99	Ant 5	DSI2	1	-	18.00	16.86	0.02	0.748	1.000	1.300	0.97
	LTE Band 66/4 (ENDC)	QPSK20M	Right Tilted	0cm	132322	1	99	Ant 5										

	FR1 n2	DFT-15kHz-QPSK20M	Right Cheek	0cm	372000	1	1	Ant 1	DSI2	1	-	24.50	23.61	0.05	0.154	1.000	1.227	0.19
	FR1 n2	DFT-15kHz-QPSK20M	Right Tilted	0cm	372000	1	1	Ant 1	DSI2	1	-	24.50	23.61	-0.19	0.128	1.000	1.227	0.16
	FR1 n2	DFT-15kHz-QPSK20M	Left Cheek	0cm	372000	1	1	Ant 1	DSI2	1	-	24.50	23.61	-0.06	0.216	1.000	1.227	0.27
	FR1 n2	DFT-15kHz-QPSK20M	Left Tilted	0cm	372000	1	1	Ant 1	DSI2	1	-	24.50	23.61	0.15	0.083	1.000	1.227	0.10
	FR1 n2	DFT-15kHz-QPSK20M	Right Cheek	0cm	372000	50	28	Ant 1	DSI2	1	-	24.50	23.58	0.15	0.156	1.000	1.236	0.19
	FR1 n2	DFT-15kHz-QPSK20M	Right Tilted	0cm	372000	50	28	Ant 1	DSI2	1	-	24.50	23.58	-0.1	0.134	1.000	1.236	0.17
	FR1 n2	DFT-15kHz-QPSK20M	Left Cheek	0cm	372000	50	28	Ant 1	DSI2	1	-	24.50	23.58	0.08	0.209	1.000	1.236	0.26
	FR1 n2	DFT-15kHz-QPSK20M	Left Tilted	0cm	372000	50	28	Ant 1	DSI2	1	-	24.50	23.58	-0.05	0.091	1.000	1.236	0.11
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Cheek	0cm	372000	1	1	Ant 5	DSI2	1	-	16.00	15.46	-0.19	0.583	1.000	1.132	0.66
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Tilted	0cm	372000	1	1	Ant 5	DSI2	1	-	16.00	15.46	0.05	0.742	1.000	1.132	0.84
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Left Cheek	0cm	372000	1	1	Ant 5	DSI2	1	-	16.00	15.46	-0.12	0.366	1.000	1.132	0.41
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Left Tilted	0cm	372000	1	1	Ant 5	DSI2	1	-	16.00	15.46	-0.02	0.496	1.000	1.132	0.56
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Cheek	0cm	372000	50	28	Ant 5	DSI2	1	-	16.00	15.34	-0.09	0.637	1.000	1.164	0.74
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Tilted	0cm	372000	50	28	Ant 5	DSI2	1	-	16.00	15.34	0.05	0.761	1.000	1.164	0.89
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Left Cheek	0cm	372000	50	28	Ant 5	DSI2	1	-	16.00	15.34	0.11	0.362	1.000	1.164	0.42
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Left Tilted	0cm	372000	50	28	Ant 5	DSI2	1	-	16.00	15.34	-0.18	0.504	1.000	1.164	0.59
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Cheek	0cm	376000	1	1	Ant 5	DSI2	1	-	16.00	15.45	0.1	0.626	1.000	1.135	0.71
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Cheek	0cm	380000	1	1	Ant 5	DSI2	1	-	16.00	15.37	0.12	0.631	1.000	1.156	0.73
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Tilted	0cm	376000	1	1	Ant 5	DSI2	1	-	16.00	15.45	0.08	0.754	1.000	1.135	0.86
P12	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Tilted	0cm	380000	1	1	Ant 5	DSI2	1	-	16.00	15.37	-0.09	0.823	1.000	1.156	0.95
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Cheek	0cm	376000	50	28	Ant 5	DSI2	1	-	16.00	15.30	-0.09	0.617	1.000	1.175	0.73
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Cheek	0cm	380000	50	28	Ant 5	DSI2	1	-	16.00	15.27	-0.04	0.618	1.000	1.183	0.73
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Tilted	0cm	376000	50	28	Ant 5	DSI2	1	-	16.00	15.30	-0.15	0.761	1.000	1.175	0.89
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Tilted	0cm	380000	50	28	Ant 5	DSI2	1	-	16.00	15.27	-0.14	0.801	1.000	1.183	0.95
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Cheek	0cm	372000	100	0	Ant 5	DSI2	1	-	15.00	14.33	-0.04	0.591	1.000	1.167	0.69
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Tilted	0cm	372000	100	0	Ant 5	DSI2	1	-	15.00	14.33	-0.2	0.748	1.000	1.167	0.87
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Right Cheek	0cm	372000	1	1	Ant 5	DSI5	1	-	15.50	14.89	-0.17	0.412	1.000	1.151	0.47
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Right Tilted	0cm	372000	1	1	Ant 5	DSI5	1	-	15.50	14.89	-0.02	0.497	1.000	1.151	0.57
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Left Cheek	0cm	372000	1	1	Ant 5	DSI5	1	-	15.50	14.89	0.02	0.285	1.000	1.151	0.31
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Left Tilted	0cm	372000	1	1	Ant 5	DSI5	1	-	15.50	14.89	0.13	0.340	1.000	1.151	0.39
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Right Cheek	0cm	372000	50	28	Ant 5	DSI5	1	-	15.50	14.79	-0.03	0.481	1.000	1.178	0.57
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Right Tilted	0cm	372000	50	28	Ant 5	DSI5	1	-	15.50	14.79	0.17	0.519	1.000	1.178	0.61
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Left Cheek	0cm	372000	50	28	Ant 5	DSI5	1	-	15.50	14.79	-0.05	0.259	1.000	1.178	0.31
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Left Tilted	0cm	372000	50	28	Ant 5	DSI5	1	-	15.50	14.79	-0.04	0.350	1.000	1.178	0.41
	FR1 n5	DFT-15kHz-QPSK20M	Right Cheek	0cm	167300	1	1	Ant 2	DSI2	1	-	24.50	23.64	0.02	0.152	1.000	1.219	0.19
	FR1 n5	DFT-15kHz-QPSK20M	Right Tilted	0cm	167300	1	1	Ant 2	DSI2	1	-	24.50	23.64	-0.16	0.086	1.000	1.219	0.11
	FR1 n5	DFT-15kHz-QPSK20M	Left Cheek	0cm	167300	1	1	Ant 2	DSI2	1	-	24.50	23.64	-0.14	0.173	1.000	1.219	0.21
	FR1 n5	DFT-15kHz-QPSK20M	Left Tilted	0cm	167300	1	1	Ant 2	DSI2	1	-	24.50	23.64	-0.05	0.108	1.000	1.219	0.13
P13	FR1 n5	DFT-15kHz-QPSK20M	Right Cheek	0cm	167300	50	56	Ant 2	DSI2	1	-	24.50	23.61	0.08	0.182	1.000	1.227	0.22
	FR1 n5	DFT-15kHz-QPSK20M	Right Tilted	0cm	167300	50	56	Ant 2	DSI2	1	-	24.50	23.61	0.17	0.079	1.000	1.227	0.10
	FR1 n5	DFT-15kHz-QPSK20M	Left Cheek	0cm	167300	50	56	Ant 2	DSI2	1	-	24.50	23.61	0.18	0.162	1.000	1.227	0.20
	FR1 n5	DFT-15kHz-QPSK20M	Left Tilted	0cm	167300	50	56	Ant 2	DSI2	1	-	24.50	23.61	-0.03	0.101	1.000	1.227	0.12
	FR1 n48	DFT-30kHz-QPSK40M	Right Cheek	0cm	645332	1	1	Ant 4	DSI2	1	62.9	18.00	17.79	0.09	0.934	1.006	1.050	0.99
	FR1 n48	DFT-30kHz-QPSK40M	Right Tilted	0cm	645332	1	1	Ant 4	DSI2	1	62.9	18.00	17.79	-0.09	0.514	1.006	1.050	0.54
	FR1 n48	DFT-30kHz-QPSK40M	Left Cheek	0cm	645332	1	1	Ant 4	DSI2	1	62.9	18.00	17.79	0.15	0.213	1.006	1.050	0.23
	FR1 n48	DFT-30kHz-QPSK40M	Left Tilted	0cm	645332	1	1	Ant 4	DSI2	1	62.9	18.00	17.79	0.02	0.170	1.006	1.050	0.18
	FR1 n48	DFT-30kHz-QPSK40M	Right Cheek	0cm	645332	50	0	Ant 4	DSI2	1	62.9	18.00	17.75	0.11	0.830	1.006	1.059	0.88
	FR1 n48	DFT-30kHz-QPSK40M	Right Tilted	0cm	645332	50	0	Ant 4	DSI2	1	62.9	18.00	17.75	0.1	0.492	1.006	1.059	0.52
	FR1 n48	DFT-30kHz-QPSK40M	Left Cheek	0cm	645332	50	0	Ant 4	DSI2	1	62.9	18.00	17.75	0.03	0.211	1.006	1.059	0.23
	FR1 n48	DFT-30kHz-QPSK40M	Left Tilted	0cm	645332	50	0	Ant 4	DSI2	1	62.9	18.00	17.75	0.01	0.176	1.006	1.059	0.19
	FR1 n48	DFT-30kHz-QPSK40M	Right Cheek	0cm	638000	1	1	Ant 4	DSI2	1	62.9	18.00	17.35	0.17	0.954	1.006	1.161	1.12
	FR1 n48	DFT-30kHz-QPSK40M	Right Cheek	0cm	641666	1	1	Ant 4	DSI2	1	62.9	18.00	17.73	0.08	1.010	1.006	1.064	1.08
P14	FR1 n48	DFT-30kHz-QPSK40M	Right Cheek	0cm	638000	50	0	Ant 4	DSI2	1	62.9	18.00	17.29	0.14	0.960	1.006	1.178	1.14
	FR1 n48	DFT-30kHz-QPSK40M	Right Cheek	0cm	641666	50	0	Ant 4	DSI2	1	62.9	18.00	17.63	0.16	0.994	1.006	1.089	0.99
	FR1 n48	DFT-30kHz-QPSK40M	Right Cheek	0cm	645332	100	0	Ant 4	DSI2	1	62.9	18.00	17.52	0.17	0.861	1.006	1.117	1.07
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Right Cheek	0cm	645332	1	1	Ant 4	DSI5	1	62.9	17.50	17.37	-0.17	0.595	1.006	1.030	0.62
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Right Tilted	0cm	645332	1	1	Ant 4	DSI5	1	62.9	17.50	17.37	0.03	0.359	1.006	1.030	0.37
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Left Cheek	0cm	645332	1	1	Ant 4	DSI5	1	62.9	17.50	17.37	0.17	0.161	1.006	1.030	0.17
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Left Tilted	0cm	645332	1	1	Ant 4	DSI5	1	62.9	17.50	17.37	0.2	0.128	1.006	1.030	0.13
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Right Cheek	0cm	645332	50	0	Ant 4	DSI5	1	62.9	17.50	17.32	0.09	0.625	1.006	1.042	0.66
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Right Tilted	0cm	645332	50	0	Ant 4	DSI5	1	62.9	17.50	17.32	0.08	0.363	1.006	1.042	0.38
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Left Cheek	0cm	645332	50	0	Ant 4	DSI5	1	62.9	17.50	17.32	-0.12	0.153	1.006	1.042	0.16
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Left Tilted	0cm	645332	50	0	Ant 4	DSI5	1	62.9	17.50	17.32	-0.12	0.120	1.006	1.042	0.13
	FR1 n48	DFT-30kHz-QPSK40M	Right Cheek	0cm	645332	1	1	Ant 3	DSI2	1	62.9	24.00	23.87	-0.18	0.809	1.006	1.030	0.84
	FR1 n48	DFT-30kHz-QPSK40M	Right Tilted	0cm	645332	1	1	Ant 3	DSI2	1	62.9	24.00	23.87	0.09	0.759	1.006	1.030	0.79
	FR1 n48	DFT-30kHz-QPSK40M	Left Cheek	0cm	645332	1	1	Ant 3	DSI2	1	62.9	24.00	23.87	0.07	0.488	1.006	1.030	0.51
	FR1 n48	DFT-30kHz-QPSK40M	Left Tilted	0cm	645332	1	1	Ant 3	DSI2	1	62.9	24.00	23.87	0.1	0.473	1.006	1.030	0.49
	FR1 n48	DFT-30kHz-QPSK40M	Right Cheek	0cm	645332	50	0	Ant 3	DSI2	1	62.9	24.00	23.71	-0.11	0.78	1.006	1.069	0.84
	FR1 n48	DFT-30kHz-QPSK40M	Right Tilted	0cm	645332	50	0	Ant 3	DSI2	1	62.9	24.00	23.71	0.2	0.714	1.006	1.069	0.77
	FR1 n48	DFT-30kHz-QPSK40M	Left Cheek	0cm	645332	50	0	Ant 3	DSI2	1	62.9	24.00	23.71	-0.14	0.448	1.006	1.069	0.48
	FR1 n48	DFT-																

	FR1 n48	DFT-30kHz-QPSK40M	Right Cheek	0cm	645332	1	1	Ant 6	DSi2	1	62.9	19.00	18.85	-0.12	0.482	1.006	1.035	0.50
	FR1 n48	DFT-30kHz-QPSK40M	Right Tilted	0cm	645332	1	1	Ant 6	DSi2	1	62.9	19.00	18.85	0.1	0.540	1.006	1.035	0.56
	FR1 n48	DFT-30kHz-QPSK40M	Left Cheek	0cm	645332	1	1	Ant 6	DSi2	1	62.9	19.00	18.85	-0.1	0.740	1.006	1.035	0.77
	FR1 n48	DFT-30kHz-QPSK40M	Left Tilted	0cm	645332	1	1	Ant 6	DSi2	1	62.9	19.00	18.85	-0.04	1.04	1.006	1.035	1.08
	FR1 n48	DFT-30kHz-QPSK40M	Right Cheek	0cm	645332	50	0	Ant 6	DSi2	1	62.9	19.00	18.70	0.14	0.505	1.006	1.072	0.54
	FR1 n48	DFT-30kHz-QPSK40M	Right Tilted	0cm	645332	50	0	Ant 6	DSi2	1	62.9	19.00	18.70	-0.07	0.565	1.006	1.072	0.61
	FR1 n48	DFT-30kHz-QPSK40M	Left Cheek	0cm	645332	50	0	Ant 6	DSi2	1	62.9	19.00	18.70	-0.04	0.705	1.006	1.072	0.76
	FR1 n48	DFT-30kHz-QPSK40M	Left Tilted	0cm	645332	50	0	Ant 6	DSi2	1	62.9	19.00	18.70	-0.17	0.983	1.006	1.072	1.06
	FR1 n48	DFT-30kHz-QPSK40M	Left Tilted	0cm	638000	1	1	Ant 6	DSi2	1	62.9	19.00	18.39	0.16	0.930	1.006	1.151	1.08
	FR1 n48	DFT-30kHz-QPSK40M	Left Tilted	0cm	641666	1	1	Ant 6	DSi2	1	62.9	19.00	18.71	0.08	0.974	1.006	1.069	1.05
	FR1 n48	DFT-30kHz-QPSK40M	Left Tilted	0cm	638000	50	0	Ant 6	DSi2	1	62.9	19.00	18.32	-0.09	0.918	1.006	1.169	1.08
	FR1 n48	DFT-30kHz-QPSK40M	Left Tilted	0cm	641666	50	0	Ant 6	DSi2	1	62.9	19.00	18.69	0.01	0.987	1.006	1.074	1.07
	FR1 n48	DFT-30kHz-QPSK40M	Left Tilted	0cm	645332	100	0	Ant 6	DSi2	1	62.9	19.00	18.56	-0.12	0.890	1.006	1.107	0.99
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Right Cheek	0cm	645332	1	1	Ant 6	DSi5	1	62.9	17.50	17.35	0.01	0.281	1.006	1.035	0.29
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Right Tilted	0cm	645332	1	1	Ant 6	DSi5	1	62.9	17.50	17.35	0.13	0.351	1.006	1.035	0.37
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Left Cheek	0cm	645332	1	1	Ant 6	DSi5	1	62.9	17.50	17.35	-0.07	0.406	1.006	1.035	0.42
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Left Tilted	0cm	645332	1	1	Ant 6	DSi5	1	62.9	17.50	17.35	-0.19	0.582	1.006	1.035	0.61
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Right Cheek	0cm	645332	50	0	Ant 6	DSi5	1	62.9	17.50	17.19	-0.19	0.288	1.006	1.074	0.31
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Right Tilted	0cm	645332	50	0	Ant 6	DSi5	1	62.9	17.50	17.19	0.08	0.381	1.006	1.074	0.41
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Left Cheek	0cm	645332	50	0	Ant 6	DSi5	1	62.9	17.50	17.19	-0.2	0.415	1.006	1.074	0.45
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Left Tilted	0cm	645332	50	0	Ant 6	DSi5	1	62.9	17.50	17.19	0.11	0.613	1.006	1.074	0.66
	FR1 n48	DFT-30kHz-QPSK40M	Right Cheek	0cm	645332	1	1	Ant 8	DSi2	1	62.9	21.00	20.78	-0.18	0.202	1.006	1.052	0.21
	FR1 n48	DFT-30kHz-QPSK40M	Right Tilted	0cm	645332	1	1	Ant 8	DSi2	1	62.9	21.00	20.78	-0.1	0.15	1.006	1.052	0.16
	FR1 n48	DFT-30kHz-QPSK40M	Left Cheek	0cm	645332	1	1	Ant 8	DSi2	1	62.9	21.00	20.78	0.09	0.199	1.006	1.052	0.97
	FR1 n48	DFT-30kHz-QPSK40M	Left Tilted	0cm	645332	1	1	Ant 8	DSi2	1	62.9	21.00	20.78	-0.11	0.506	1.006	1.052	0.54
	FR1 n48	DFT-30kHz-QPSK40M	Right Cheek	0cm	645332	50	0	Ant 8	DSi2	1	62.9	21.00	20.67	0.03	0.23	1.006	1.079	0.25
	FR1 n48	DFT-30kHz-QPSK40M	Right Tilted	0cm	645332	50	0	Ant 8	DSi2	1	62.9	21.00	20.67	0.15	0.19	1.006	1.079	0.21
	FR1 n48	DFT-30kHz-QPSK40M	Left Cheek	0cm	645332	50	0	Ant 8	DSi2	1	62.9	21.00	20.67	0.18	0.1	1.006	1.079	1.10
	FR1 n48	DFT-30kHz-QPSK40M	Left Tilted	0cm	645332	50	0	Ant 8	DSi2	1	62.9	21.00	20.67	-0.14	0.551	1.006	1.079	0.60
	FR1 n48	DFT-30kHz-QPSK40M	Left Cheek	0cm	638000	1	1	Ant 8	DSi2	1	62.9	21.00	20.35	-0.14	0.877	1.006	1.161	1.03
	FR1 n48	DFT-30kHz-QPSK40M	Left Cheek	0cm	641666	1	1	Ant 8	DSi2	1	62.9	21.00	20.71	-0.02	0.932	1.006	1.069	1.00
	FR1 n48	DFT-30kHz-QPSK40M	Left Cheek	0cm	638000	50	0	Ant 8	DSi2	1	62.9	21.00	20.29	-0.11	0.899	1.006	1.178	1.07
	FR1 n48	DFT-30kHz-QPSK40M	Left Cheek	0cm	641666	50	0	Ant 8	DSi2	1	62.9	21.00	20.60	-0.17	0.843	1.006	1.096	0.93
	FR1 n48	DFT-30kHz-QPSK40M	Left Cheek	0cm	645332	100	0	Ant 8	DSi2	1	62.9	21.00	20.57	-0.12	0.865	1.006	1.104	0.96
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Right Cheek	0cm	645332	1	1	Ant 8	DSi5	1	62.9	20.00	19.81	0.02	0.122	1.006	1.045	0.13
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Right Tilted	0cm	645332	1	1	Ant 8	DSi5	1	62.9	20.00	19.81	-0.08	0.091	1.006	1.045	0.10
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Left Cheek	0cm	645332	1	1	Ant 8	DSi5	1	62.9	20.00	19.81	-0.18	0.796	1.006	1.045	0.84
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Left Tilted	0cm	645332	1	1	Ant 8	DSi5	1	62.9	20.00	19.81	0.01	0.271	1.006	1.045	0.29
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Right Cheek	0cm	645332	50	0	Ant 8	DSi5	1	62.9	20.00	19.68	0.15	0.117	1.006	1.076	0.13
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Right Tilted	0cm	645332	50	0	Ant 8	DSi5	1	62.9	20.00	19.68	-0.12	0.097	1.006	1.076	0.11
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Left Cheek	0cm	645332	50	0	Ant 8	DSi5	1	62.9	20.00	19.68	-0.17	0.768	1.006	1.076	0.83
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Left Tilted	0cm	645332	50	0	Ant 8	DSi5	1	62.9	20.00	19.68	-0.16	0.213	1.006	1.076	0.23
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Left Cheek	0cm	638000	1	1	Ant 8	DSi5	1	62.9	20.00	19.37	-0.11	0.727	1.006	1.156	0.95
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Left Cheek	0cm	641666	1	1	Ant 8	DSi5	1	62.9	20.00	19.80	0.02	0.732	1.006	1.047	0.77
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Left Cheek	0cm	638000	50	0	Ant 8	DSi5	1	62.9	20.00	19.35	0.14	0.699	1.006	1.161	0.82
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Left Cheek	0cm	641666	50	0	Ant 8	DSi5	1	62.9	20.00	19.59	0.16	0.743	1.006	1.099	0.82
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Left Cheek	0cm	645332	100	0	Ant 8	DSi5	1	62.9	20.00	19.64	-0.12	0.665	1.006	1.086	0.73
	FR1 n66	DFT-15kHz-QPSK40M	Right Cheek	0cm	349000	1	1	Ant 1	DSi2	1	-	24.50	23.54	0.02	0.117	1.000	1.247	0.15
	FR1 n66	DFT-15kHz-QPSK40M	Right Tilted	0cm	349000	1	1	Ant 1	DSi2	1	-	24.50	23.54	-0.12	0.080	1.000	1.247	0.10
	FR1 n66	DFT-15kHz-QPSK40M	Left Cheek	0cm	349000	1	1	Ant 1	DSi2	1	-	24.50	23.54	-0.07	0.191	1.000	1.247	0.24
	FR1 n66	DFT-15kHz-QPSK40M	Left Tilted	0cm	349000	1	1	Ant 1	DSi2	1	-	24.50	23.54	-0.01	0.082	1.000	1.247	0.10
	FR1 n66	DFT-15kHz-QPSK40M	Right Cheek	0cm	349000	108	54	Ant 1	DSi2	1	-	24.50	23.49	-0.1	0.145	1.000	1.262	0.18
	FR1 n66	DFT-15kHz-QPSK40M	Right Tilted	0cm	349000	108	54	Ant 1	DSi2	1	-	24.50	23.49	0.09	0.106	1.000	1.262	0.13
	FR1 n66	DFT-15kHz-QPSK40M	Left Cheek	0cm	349000	108	54	Ant 1	DSi2	1	-	24.50	23.49	0.02	0.290	1.000	1.262	0.37
	FR1 n66	DFT-15kHz-QPSK40M	Left Tilted	0cm	349000	108	54	Ant 1	DSi2	1	-	24.50	23.49	0.11	0.086	1.000	1.262	0.11
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Right Cheek	0cm	349000	1	1	Ant 5	DSi2	1	-	17.50	16.34	-0.15	0.655	1.000	1.306	0.86
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Right Tilted	0cm	349000	1	1	Ant 5	DSi2	1	-	17.50	16.34	0.14	0.708	1.000	1.306	0.93
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Left Cheek	0cm	349000	1	1	Ant 5	DSi2	1	-	17.50	16.34	0.11	0.408	1.000	1.306	0.53
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Left Tilted	0cm	349000	1	1	Ant 5	DSi2	1	-	17.50	16.34	0.08	0.500	1.000	1.306	0.65
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Right Cheek	0cm	349000	108	54	Ant 5	DSi2	1	-	17.50	16.22	-0.11	0.703	1.000	1.343	0.94
P15	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Right Tilted	0cm	349000	108	54	Ant 5	DSi2	1	-	17.50	16.22	-0.08	0.729	1.000	1.343	0.98
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Left Cheek	0cm	349000	108	54	Ant 5	DSi2	1	-	17.50	16.22	-0.07	0.493	1.000	1.343	0.66
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Left Tilted	0cm	349000	108	54	Ant 5	DSi2	1	-	17.50	16.22	-0.13	0.533	1.000	1.343	0.72
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Right Cheek	0cm	346000	1	1	Ant 5	DSi2	1	-	17.50	16.18	0.16	0.641	1.000	1.355	0.87
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Right Tilted	0cm	352000	1	1	Ant 5	DSi2	1	-	17.50	16.08	0.15	0.632	1.000	1.387	0.88
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Right Tilted	0cm	346000	1	1	Ant 5	DSi2	1	-	17.50	16.18	-0.06	0.694	1.000	1.355	0.94
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Right Tilted	0cm	352000	1	1	Ant 5	DSi2	1	-	17.50	16.08	-0.17	0.702	1.000	1.387	0.97
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Right Cheek	0cm	346000	108	54	Ant 5	DSi2	1	-	17.50	16.07	-0.15	0.651	1.000	1.390	0.91
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Right Cheek	0cm	352000	108	54	Ant 5	DSi2	1	-	17.50	15.99	-0.1	0.644	1.000	1.416	0.91
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Right Tilted	0cm	346000	108	54	Ant 5	DSi2	1	-	17.50	16.07	0.18	0.695	1.000	1.390	0.97
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Right Tilted	0cm	352000	108	54	Ant 5	DSi2	1	-	17.50	15.99	-0.16	0.688	1.000	1.416	0.97
	FR1 n66 (ENDC)																	

	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	1	1	Ant 4	DSI2	1	-	18.00	17.57	-0.04	0.667	1.000	1.104	0.74
	FR1 n77	DFT-30kHz-QPSK100M	Right Tilted	0cm	662000	1	1	Ant 4	DSI2	1	-	18.00	17.57	0.1	0.232	1.000	1.104	0.26
	FR1 n77	DFT-30kHz-QPSK100M	Left Cheek	0cm	662000	1	1	Ant 4	DSI2	1	-	18.00	17.57	-0.14	0.184	1.000	1.104	0.20
	FR1 n77	DFT-30kHz-QPSK100M	Left Tilted	0cm	662000	1	1	Ant 4	DSI2	1	-	18.00	17.57	0.02	0.100	1.000	1.104	0.11
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	135	138	Ant 4	DSI2	1	-	18.00	17.43	0.05	0.635	1.000	1.140	0.72
	FR1 n77	DFT-30kHz-QPSK100M	Right Tilted	0cm	662000	135	138	Ant 4	DSI2	1	-	18.00	17.43	-0.06	0.171	1.000	1.140	0.20
	FR1 n77	DFT-30kHz-QPSK100M	Left Cheek	0cm	662000	135	138	Ant 4	DSI2	1	-	18.00	17.43	-0.11	0.184	1.000	1.140	0.21
	FR1 n77	DFT-30kHz-QPSK100M	Left Tilted	0cm	662000	135	138	Ant 4	DSI2	1	-	18.00	17.43	0.08	0.147	1.000	1.140	0.17
	FR1 n77 PC2	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	1	1	Ant 4	DSI2	1	-	21.00	20.58	0.1	0.514	1.000	1.102	0.57
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	1	1	Ant 4	DSI2	1	-	17.00	15.79	0.18	0.638	1.000	1.321	0.84
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	1	1	Ant 4	DSI2	1	-	17.00	15.79	0.1	0.344	1.000	1.321	0.46
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	1	1	Ant 4	DSI2	1	-	17.00	15.79	0.09	0.180	1.000	1.321	0.24
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	1	1	Ant 4	DSI2	1	-	17.00	15.79	-0.1	0.179	1.000	1.321	0.24
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	135	138	Ant 4	DSI2	1	-	17.00	15.74	0.16	0.631	1.000	1.337	0.84
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	135	138	Ant 4	DSI2	1	-	17.00	15.74	0.1	0.331	1.000	1.337	0.44
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	135	138	Ant 4	DSI2	1	-	17.00	15.74	0.13	0.157	1.000	1.337	0.21
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	135	138	Ant 4	DSI2	1	-	17.00	15.74	0.08	0.143	1.000	1.337	0.19
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	270	0	Ant 4	DSI2	1	-	17.00	15.60	0.04	0.588	1.000	1.380	0.81
	FR1 n77 PC2 (ENDC)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	135	138	Ant 4	DSI2	1	-	19.00	17.50	0.14	0.609	1.000	1.413	0.86
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	1	1	Ant 4	DSI2	1	-	17.00	16.59	0.08	0.380	1.000	1.099	0.42
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Tilted	0cm	662000	1	1	Ant 4	DSI2	1	-	17.00	16.59	0.14	0.176	1.000	1.099	0.19
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Cheek	0cm	662000	1	1	Ant 4	DSI2	1	-	17.00	16.59	-0.01	0.143	1.000	1.099	0.16
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Tilted	0cm	662000	1	1	Ant 4	DSI2	1	-	17.00	16.59	-0.08	0.080	1.000	1.099	0.09
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	135	138	Ant 4	DSI2	1	-	17.00	16.43	-0.03	0.290	1.000	1.140	0.33
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Tilted	0cm	662000	135	138	Ant 4	DSI2	1	-	17.00	16.43	-0.04	0.147	1.000	1.140	0.17
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Cheek	0cm	662000	135	138	Ant 4	DSI2	1	-	17.00	16.43	-0.05	0.141	1.000	1.140	0.16
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Tilted	0cm	662000	135	138	Ant 4	DSI2	1	-	17.00	16.43	0.04	0.080	1.000	1.140	0.09
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	270	0	Ant 4	DSI2	1	-	17.00	16.35	0.09	0.279	1.000	1.161	0.32
	FR1 n77 PC2 (ENDC)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	1	1	Ant 4	DSI2	1	-	20.00	19.59	-0.06	0.364	1.000	1.099	0.40
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	1	1	Ant 4	DSI5	1	-	16.50	15.27	-0.02	0.502	1.000	1.327	0.67
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	1	1	Ant 4	DSI5	1	-	16.50	15.27	-0.02	0.311	1.000	1.327	0.41
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	1	1	Ant 4	DSI5	1	-	16.50	15.27	-0.08	0.140	1.000	1.327	0.19
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	1	1	Ant 4	DSI5	1	-	16.50	15.27	-0.02	0.144	1.000	1.327	0.19
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	135	138	Ant 4	DSI5	1	-	16.50	15.26	0.16	0.543	1.000	1.330	0.72
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	135	138	Ant 4	DSI5	1	-	16.50	15.26	-0.15	0.293	1.000	1.330	0.39
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	135	138	Ant 4	DSI5	1	-	16.50	15.26	0.09	0.125	1.000	1.330	0.17
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	135	138	Ant 4	DSI5	1	-	16.50	15.26	0.14	0.136	1.000	1.330	0.18
	FR1 n77 PC2 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	135	138	Ant 4	DSI5	1	-	18.50	17.11	0.18	0.502	1.000	1.377	0.69
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	1	1	Ant 4	DSI5	1	-	16.50	16.11	0.18	0.362	1.000	1.094	0.40
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	662000	1	1	Ant 4	DSI5	1	-	16.50	16.11	-0.19	0.173	1.000	1.094	0.19
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	662000	1	1	Ant 4	DSI5	1	-	16.50	16.11	0.15	0.050	1.000	1.094	0.06
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	662000	1	1	Ant 4	DSI5	1	-	16.50	16.11	-0.06	0.000	1.000	1.094	0.00
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	135	138	Ant 4	DSI5	1	-	16.50	16.00	-0.17	0.345	1.000	1.122	0.39
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	662000	135	138	Ant 4	DSI5	1	-	16.50	16.00	0.1	0.158	1.000	1.122	0.18
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	662000	135	138	Ant 4	DSI5	1	-	16.50	16.00	-0.1	0.047	1.000	1.122	0.05
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	662000	135	138	Ant 4	DSI5	1	-	16.50	16.00	0.16	0.044	1.000	1.122	0.05
	FR1 n77 PC2 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	1	1	Ant 4	DSI5	1	-	19.50	19.19	0.09	0.356	1.000	1.074	0.38
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	1	1	Ant 4	DSI5	1	-	14.00	12.79	0.02	0.388	1.000	1.321	0.51
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	1	1	Ant 4	DSI5	1	-	14.00	12.79	0.01	0.285	1.000	1.321	0.35
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	1	1	Ant 4	DSI5	1	-	14.00	12.79	-0.07	0.186	1.000	1.321	0.25
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	1	1	Ant 4	DSI5	1	-	14.00	12.79	0.16	0.185	1.000	1.321	0.24
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	135	138	Ant 4	DSI5	1	-	14.00	12.68	0.19	0.379	1.000	1.355	0.51
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	135	138	Ant 4	DSI5	1	-	14.00	12.68	-0.16	0.261	1.000	1.355	0.35
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	135	138	Ant 4	DSI5	1	-	14.00	12.68	-0.03	0.182	1.000	1.355	0.25
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	135	138	Ant 4	DSI5	1	-	14.00	12.68	0.02	0.174	1.000	1.355	0.24
	FR1 n77 PC2 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	1	1	Ant 4	DSI5	1	-	17.00	15.75	0.07	0.383	1.000	1.334	0.51
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	1	1	Ant 4	DSI5	1	-	14.00	13.58	-0.11	0.320	1.000	1.102	0.35
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	662000	1	1	Ant 4	DSI5	1	-	14.00	13.58	-0.12	0.241	1.000	1.102	0.27
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	662000	1	1	Ant 4	DSI5	1	-	14.00	13.58	0.17	0.255	1.000	1.102	0.28
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	662000	1	1	Ant 4	DSI5	1	-	14.00	13.58	0.12	0.100	1.000	1.102	0.11
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	135	138	Ant 4	DSI5	1	-	14.00	13.43	-0.03	0.321	1.000	1.140	0.37
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	662000	135	138	Ant 4	DSI5	1	-	14.00	13.43	0	0.200	1.000	1.140	0.23
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	662000	135	138	Ant 4	DSI5	1	-	14.00	13.43	0.19	0.200	1.000	1.140	0.23
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	662000	135	138	Ant 4	DSI5	1	-	14.00	13.43	0	0.100	1.000	1.140	0.11
	FR1 n77 PC2 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	1	1	Ant 4	DSI5	1	-	17.00	16.59	0.11	0.327	1.000	1.099	0.36
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	1	1	Ant 3	DSI2	1	-	23.50	22.19	-0.03	0.670	1.000	1.352	0.91
	FR1 n77	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	1	1	Ant 3	DSI2	1	-	23.50	22.19	0.12	0.585	1.000	1.352	0.79
	FR1 n77	DFT-30kHz-QPSK100M	Left															

	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Cheek	0cm	633334	1	1	Ant 3	DSi5	1	-	22.50	21.33	0.19	0.528	1.000	1.309	0.69
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Tilted	0cm	633334	1	1	Ant 3	DSi5	1	-	22.50	21.33	-0.18	0.455	1.000	1.309	0.60
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Cheek	0cm	633334	1	1	Ant 3	DSi5	1	-	22.50	21.33	-0.19	0.255	1.000	1.309	0.33
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Tilted	0cm	633334	1	1	Ant 3	DSi5	1	-	22.50	21.33	-0.17	0.221	1.000	1.309	0.29
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Cheek	0cm	633334	135	69	Ant 3	DSi5	1	-	22.50	21.19	-0.15	0.532	1.000	1.352	0.72
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Tilted	0cm	633334	135	69	Ant 3	DSi5	1	-	22.50	21.19	0.17	0.501	1.000	1.352	0.68
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Cheek	0cm	633334	135	69	Ant 3	DSi5	1	-	22.50	21.19	0.03	0.290	1.000	1.352	0.39
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Tilted	0cm	633334	135	69	Ant 3	DSi5	1	-	22.50	21.19	-0.07	0.246	1.000	1.352	0.33
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Cheek	0cm	633334	270	0	Ant 3	DSi5	1	-	22.50	20.93	0.06	0.506	1.000	1.435	0.73
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Cheek	0cm	662000	1	1	Ant 3	DSi5	1	-	22.50	21.86	0.14	0.689	1.000	1.159	0.80
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Tilted	0cm	662000	1	1	Ant 3	DSi5	1	-	22.50	21.86	-0.19	0.588	1.000	1.159	0.68
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Cheek	0cm	662000	1	1	Ant 3	DSi5	1	-	22.50	21.86	0.01	0.287	1.000	1.159	0.33
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Tilted	0cm	662000	1	1	Ant 3	DSi5	1	-	22.50	21.86	0.12	0.276	1.000	1.159	0.32
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Cheek	0cm	662000	135	69	Ant 3	DSi5	1	-	22.50	21.72	-0.06	0.683	1.000	1.197	0.82
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Tilted	0cm	662000	135	69	Ant 3	DSi5	1	-	22.50	21.72	0.1	0.567	1.000	1.197	0.68
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Cheek	0cm	662000	135	69	Ant 3	DSi5	1	-	22.50	21.72	-0.06	0.281	1.000	1.197	0.34
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Tilted	0cm	662000	135	69	Ant 3	DSi5	1	-	22.50	21.72	0.05	0.245	1.000	1.197	0.29
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Cheek	0cm	650000	135	69	Ant 3	DSi5	1	-	22.50	21.17	-0.05	0.540	1.000	1.358	0.73
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Cheek	0cm	656000	135	69	Ant 3	DSi5	1	-	22.50	21.55	-0.07	0.656	1.000	1.245	0.82
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Cheek	0cm	662000	270	0	Ant 3	DSi5	1	-	22.50	21.64	0.19	0.674	1.000	1.219	0.82
	FR1 n77	DFT-30KHz-QPSK100M	Right Cheek	0cm	633334	1	1	Ant 6	DSi2	1	-	17.50	17.08	0.07	0.554	1.000	1.102	0.61
	FR1 n77	DFT-30KHz-QPSK100M	Right Tilted	0cm	633334	1	1	Ant 6	DSi2	1	-	17.50	17.08	-0.2	0.594	1.000	1.102	0.65
	FR1 n77	DFT-30KHz-QPSK100M	Left Cheek	0cm	633334	1	1	Ant 6	DSi2	1	-	17.50	17.08	0.18	0.610	1.000	1.102	0.67
	FR1 n77	DFT-30KHz-QPSK100M	Left Tilted	0cm	633334	1	1	Ant 6	DSi2	1	-	17.50	17.08	-0.02	0.862	1.000	1.102	0.95
	FR1 n77	DFT-30KHz-QPSK100M	Right Cheek	0cm	633334	135	69	Ant 6	DSi2	1	-	17.50	16.93	0.07	0.442	1.000	1.140	0.50
	FR1 n77	DFT-30KHz-QPSK100M	Right Tilted	0cm	633334	135	69	Ant 6	DSi2	1	-	17.50	16.93	0.01	0.449	1.000	1.140	0.51
	FR1 n77	DFT-30KHz-QPSK100M	Left Cheek	0cm	633334	135	69	Ant 6	DSi2	1	-	17.50	16.93	0.03	0.702	1.000	1.140	0.80
	FR1 n77	DFT-30KHz-QPSK100M	Left Tilted	0cm	633334	135	69	Ant 6	DSi2	1	-	17.50	16.93	0.04	0.768	1.000	1.140	0.88
	FR1 n77	DFT-30KHz-QPSK100M	Left Tilted	0cm	633334	270	0	Ant 6	DSi2	1	-	17.50	16.86	-0.08	0.701	1.000	1.159	0.81
	FR1 n77	DFT-30KHz-QPSK100M	Right Cheek	0cm	650000	1	1	Ant 6	DSi2	1	-	17.50	16.85	-0.03	0.577	1.000	1.161	0.67
	FR1 n77	DFT-30KHz-QPSK100M	Right Tilted	0cm	650000	1	1	Ant 6	DSi2	1	-	17.50	16.85	0.19	0.593	1.000	1.161	0.69
	FR1 n77	DFT-30KHz-QPSK100M	Left Cheek	0cm	650000	1	1	Ant 6	DSi2	1	-	17.50	16.85	0.11	0.635	1.000	1.161	0.74
	FR1 n77	DFT-30KHz-QPSK100M	Left Tilted	0cm	650000	1	1	Ant 6	DSi2	1	-	17.50	16.85	-0.01	0.645	1.000	1.161	0.75
	FR1 n77	DFT-30KHz-QPSK100M	Right Cheek	0cm	650000	135	69	Ant 6	DSi2	1	-	17.50	16.68	-0.16	0.502	1.000	1.208	0.61
	FR1 n77	DFT-30KHz-QPSK100M	Right Tilted	0cm	650000	135	69	Ant 6	DSi2	1	-	17.50	16.68	0.05	0.592	1.000	1.208	0.72
	FR1 n77	DFT-30KHz-QPSK100M	Left Cheek	0cm	650000	135	69	Ant 6	DSi2	1	-	17.50	16.68	-0.12	0.645	1.000	1.208	0.78
	FR1 n77	DFT-30KHz-QPSK100M	Left Tilted	0cm	650000	135	69	Ant 6	DSi2	1	-	17.50	16.68	-0.03	0.659	1.000	1.208	0.80
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Cheek	0cm	633334	1	1	Ant 6	DSi5	1	-	16.00	15.46	0.07	0.239	1.000	1.132	0.27
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Tilted	0cm	633334	1	1	Ant 6	DSi5	1	-	16.00	15.46	-0.15	0.283	1.000	1.132	0.32
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Cheek	0cm	633334	1	1	Ant 6	DSi5	1	-	16.00	15.46	-0.17	0.305	1.000	1.132	0.35
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Tilted	0cm	633334	1	1	Ant 6	DSi5	1	-	16.00	15.46	0.02	0.328	1.000	1.132	0.37
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Cheek	0cm	633334	135	69	Ant 6	DSi5	1	-	16.00	15.34	0.01	0.246	1.000	1.164	0.29
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Tilted	0cm	633334	135	69	Ant 6	DSi5	1	-	16.00	15.34	0.12	0.226	1.000	1.164	0.26
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Cheek	0cm	633334	135	69	Ant 6	DSi5	1	-	16.00	15.34	-0.01	0.318	1.000	1.164	0.37
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Tilted	0cm	633334	135	69	Ant 6	DSi5	1	-	16.00	15.34	-0.13	0.320	1.000	1.164	0.37
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Cheek	0cm	650000	1	1	Ant 6	DSi5	1	-	16.00	15.39	-0.19	0.284	1.000	1.151	0.33
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Tilted	0cm	650000	1	1	Ant 6	DSi5	1	-	16.00	15.39	0.14	0.316	1.000	1.151	0.36
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Cheek	0cm	650000	1	1	Ant 6	DSi5	1	-	16.00	15.39	-0.06	0.301	1.000	1.151	0.35
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Tilted	0cm	650000	1	1	Ant 6	DSi5	1	-	16.00	15.39	0.02	0.375	1.000	1.151	0.43
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Cheek	0cm	650000	135	69	Ant 6	DSi5	1	-	16.00	15.14	-0.09	0.270	1.000	1.219	0.33
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Right Tilted	0cm	650000	135	69	Ant 6	DSi5	1	-	16.00	15.14	0.19	0.299	1.000	1.219	0.36
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Cheek	0cm	650000	135	69	Ant 6	DSi5	1	-	16.00	15.14	0.18	0.327	1.000	1.219	0.40
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Tilted	0cm	650000	135	69	Ant 6	DSi5	1	-	16.00	15.14	-0.19	0.355	1.000	1.219	0.43
	FR1 n77	DFT-30KHz-QPSK100M	Right Cheek	0cm	633334	1	1	Ant 8	DSi2	1	-	20.50	19.21	-0.07	0.109	1.000	1.346	0.15
	FR1 n77	DFT-30KHz-QPSK100M	Right Tilted	0cm	633334	1	1	Ant 8	DSi2	1	-	20.50	19.21	0.08	0.064	1.000	1.346	0.09
	FR1 n77	DFT-30KHz-QPSK100M	Left Cheek	0cm	633334	1	1	Ant 8	DSi2	1	-	20.50	19.21	-0.01	0.504	1.000	1.346	0.68
	FR1 n77	DFT-30KHz-QPSK100M	Left Tilted	0cm	633334	1	1	Ant 8	DSi2	1	-	20.50	19.21	-0.13	0.250	1.000	1.346	0.34
	FR1 n77	DFT-30KHz-QPSK100M	Right Cheek	0cm	633334	135	69	Ant 8	DSi2	1	-	20.50	19.12	-0.14	0.106	1.000	1.374	0.15
	FR1 n77	DFT-30KHz-QPSK100M	Right Tilted	0cm	633334	135	69	Ant 8	DSi2	1	-	20.50	19.12	-0.13	0.061	1.000	1.374	0.08
	FR1 n77	DFT-30KHz-QPSK100M	Left Cheek	0cm	633334	135	69	Ant 8	DSi2	1	-	20.50	19.12	-0.17	0.499	1.000	1.374	0.69
	FR1 n77	DFT-30KHz-QPSK100M	Left Tilted	0cm	633334	135	69	Ant 8	DSi2	1	-	20.50	19.12	-0.05	0.232	1.000	1.374	0.32
	FR1 n77	DFT-30KHz-QPSK100M	Right Cheek	0cm	650000	1	1	Ant 8	DSi2	1	-	20.50	20.13	0.13	0.136	1.000	1.089	0.15
	FR1 n77	DFT-30KHz-QPSK100M	Right Tilted	0cm	650000	1	1	Ant 8	DSi2	1	-	20.50	20.13	0.03	0.103	1.000	1.089	0.11
	FR1 n77	DFT-30KHz-QPSK100M	Left Cheek	0cm	650000	1	1	Ant 8	DSi2	1	-	20.50	20.13	0.07	0.642	1.000	1.089	0.70
	FR1 n77	DFT-30KHz-QPSK100M	Left Tilted	0cm	650000	1	1	Ant 8	DSi2	1	-	20.50	20.13	-0.06	0.274	1.000	1.089	0.30
	FR1 n77	DFT-30KHz-QPSK100M	Right Cheek	0cm	650000	135	69	Ant 8	DSi2	1	-	20.50	19.99	0.19	0.135	1.000	1.125	0.15
	FR1 n77	DFT-30KHz-QPSK100M	Right Tilted	0cm	650000	135	69	Ant 8	DSi2	1	-	20.50	19.99	0.06	0.112	1.000	1.125	0.13
	FR1 n77	DFT-30KHz-QPSK100M	Left Cheek	0cm	650000	135	69	Ant 8	DSi2	1	-	20.50	19.99	0.09	0.637	1.000	1.125	0.72
	FR1 n77	DFT-30KHz-QPSK100M	Left Tilted	0cm	650000	135	69	Ant 8	DSi2	1	-	20.50	19.99	0.06	0.341	1.000	1.125	0.38
	WLAN 2.4G	802.11b 1Mbps	Right Cheek	0cm	6	-	-	Ant 7	DSi2	1	98.79	17.00	16.32	0.15	0.218	1.012	1.169	0.26
	WLAN 2.4G	802.11b 1Mbps	Right Tilted	0cm	6	-	-	Ant 7	DSi2	1	98.79	17.00	16.32	-0.19	0.254	1.012	1.169	0.30
P17																		

	BT	GFSK	Right Cheek	0cm	78	-	-	Ant 7	DSI2	1	76.62	13.00	12.26	0	0.000	1.305	1.186	0.00
	BT	GFSK	Right Tilted	0cm	78	-	-	Ant 7	DSI2	1	76.62	13.00	12.26	0	0.000	1.305	1.186	0.00
P21	BT	GFSK	Left Cheek	0cm	78	-	-	Ant 7	DSI2	1	76.62	13.00	12.26	0.04	0.059	1.305	1.186	0.09
	BT	GFSK	Left Tilted	0cm	78	-	-	Ant 7	DSI2	1	76.62	13.00	12.26	0.03	0.000	1.305	1.186	0.00

Body-worn Exposure Condition

System & Position										SAR								
Plot No.	Band	Mode	Test Position	Separation Distance	Channel	RB	offset	Ant Status	DUT Status	Sample	Duty Cycle	Maximum Tune-up (dBm)	Conducted Power (dBm)	Power Drift	SAR 1g	Duty Cycle Scaling	Scaling Factor	Scaled 1g SAR
P22	GSM850	GPRS 2Tx Slot	Front Face	1cm	251	-	-	Ant 2	DSi4	1	-	31.50	31.06	-0.07	0.559	1.000	1.107	0.62
	GSM850	GPRS 2Tx Slot	Rear Face	1cm	251	-	-	Ant 2	DSi4	1	-	31.50	31.06	-0.01	0.579	1.000	1.107	0.64
				1cm														
	GSM1900	GPRS 2Tx Slot	Front Face	1cm	512	-	-	Ant 1	DSi4	1	-	29.50	28.64	0.04	0.297	1.000	1.219	0.36
	GSM1900	GPRS 2Tx Slot	Rear Face	1cm	512	-	-	Ant 1	DSi4	1	-	29.50	28.64	-0.04	0.878	1.000	1.219	1.07
P23	GSM1900	GPRS 2Tx Slot	Rear Face	1cm	661	-	-	Ant 1	DSi4	1	-	29.50	27.90	0.12	0.758	1.000	1.445	1.10
	GSM1900	GPRS 2Tx Slot	Rear Face	1cm	810	-	-	Ant 1	DSi4	1	-	29.50	28.02	0.02	0.722	1.000	1.406	1.02
	GSM1900	GPRS 2Tx Slot	Rear Face	1cm	661	-	-	Ant 1	DSi4	2	-	29.50	27.90	0.17	0.724	1.000	1.445	1.05
	WCDMA II	RMC 12.2K	Front Face	1cm	9400	-	-	Ant 1	DSi3	1	-	22.00	21.37	-0.14	0.370	1.000	1.156	0.43
P24	WCDMA II	RMC 12.2K	Rear Face	1cm	9400	-	-	Ant 1	DSi3	1	-	22.00	21.37	0.07	0.640	1.000	1.156	0.74
	WCDMA II	RMC 12.2K	Front Face	1.5cm	9400	-	-	Ant 1	DSi4	1	-	25.00	24.37	0.18	0.293	1.000	1.156	0.34
	WCDMA II	RMC 12.2K	Rear Face	2.3cm	9400	-	-	Ant 1	DSi4	1	-	25.00	24.37	-0.05	0.258	1.000	1.156	0.30
	WCDMA II (Sim-Tx)	RMC 12.2K	Front Face	1cm	9400	-	-	Ant 1	DSi6	1	-	22.00	21.37	-0.14	0.370	1.000	1.156	0.43
	WCDMA II (Sim-Tx)	RMC 12.2K	Rear Face	1cm	9400	-	-	Ant 1	DSi6	1	-	22.00	21.37	0.07	0.640	1.000	1.156	0.74
	WCDMA II (Sim-Tx)	RMC 12.2K	Front Face	1.5cm	9400	-	-	Ant 1	DSi4	1	-	25.00	24.37	0.18	0.293	1.000	1.156	0.34
	WCDMA II (Sim-Tx)	RMC 12.2K	Rear Face	2.3cm	9400	-	-	Ant 1	DSi4	1	-	25.00	24.37	-0.05	0.258	1.000	1.156	0.30
	WCDMA V	RMC 12.2K	Front Face	1cm	4182	-	-	Ant 2	DSi4	1	-	25.00	24.42	0.01	0.293	1.000	1.143	0.34
P25	WCDMA V	RMC 12.2K	Rear Face	1cm	4182	-	-	Ant 2	DSi4	1	-	25.00	24.42	-0.01	0.506	1.000	1.143	0.56
	LTE Band 2	QPSK20M	Front Face	1cm	18700	1	50	Ant 1	DSi3	1	-	20.50	19.19	-0.04	0.182	1.000	1.352	0.25
P26	LTE Band 2	QPSK20M	Rear Face	1cm	18700	1	50	Ant 1	DSi3	1	-	20.50	19.19	0.05	0.579	1.000	1.352	0.78
	LTE Band 2	QPSK20M	Front Face	1cm	18700	50	50	Ant 1	DSi3	1	-	19.50	18.23	-0.18	0.145	1.000	1.340	0.19
	LTE Band 2	QPSK20M	Rear Face	1cm	18700	50	50	Ant 1	DSi3	1	-	19.50	18.23	0.18	0.319	1.000	1.340	0.43
	LTE Band 2	QPSK20M	Front Face	1.5cm	18700	1	50	Ant 1	DSi4	1	-	22.50	21.34	0.19	0.284	1.000	1.306	0.37
	LTE Band 2	QPSK20M	Rear Face	2.3cm	18700	1	50	Ant 1	DSi4	1	-	22.50	21.34	-0.11	0.247	1.000	1.306	0.32
	LTE Band 2 (Sim-Tx)	QPSK20M	Front Face	1cm	18700	1	50	Ant 1	DSi6	1	-	20.50	19.19	-0.04	0.182	1.000	1.352	0.25
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	1cm	18700	1	50	Ant 1	DSi6	1	-	20.50	19.19	0.05	0.579	1.000	1.352	0.78
	LTE Band 2 (Sim-Tx)	QPSK20M	Front Face	1cm	18700	50	50	Ant 1	DSi6	1	-	19.50	18.23	-0.18	0.145	1.000	1.340	0.19
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	1cm	18700	50	50	Ant 1	DSi6	1	-	19.50	18.23	0.18	0.319	1.000	1.340	0.43
	LTE Band 2 (ENDC)	QPSK20M	Front Face	1cm	18700	1	50	Ant 1	DSi3	1	-	19.50	18.30	-0.19	0.130	1.000	1.318	0.17
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	1cm	18700	1	50	Ant 1	DSi3	1	-	19.50	18.30	-0.18	0.307	1.000	1.318	0.41
	LTE Band 2 (ENDC)	QPSK20M	Front Face	1cm	18700	50	50	Ant 1	DSi3	1	-	18.50	17.39	-0.12	0.109	1.000	1.291	0.14
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	1cm	18700	50	50	Ant 1	DSi3	1	-	18.50	17.39	0.1	0.244	1.000	1.291	0.32
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	18700	1	50	Ant 1	DSi6	1	-	19.50	18.30	-0.19	0.130	1.000	1.318	0.17
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	18700	1	50	Ant 1	DSi6	1	-	19.50	18.30	-0.18	0.307	1.000	1.318	0.41
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	18700	50	50	Ant 1	DSi6	1	-	18.50	17.39	-0.12	0.109	1.000	1.291	0.14
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	18700	50	50	Ant 1	DSi6	1	-	18.50	17.39	0.1	0.244	1.000	1.291	0.32
	LTE Band 2 (ENDC)	QPSK20M	Front Face	1cm	18700	1	50	Ant 5	DSi3	1	-	18.00	16.99	-0.04	0.179	1.000	1.262	0.23
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	1cm	18700	1	50	Ant 5	DSi3	1	-	18.00	16.99	-0.17	0.329	1.000	1.262	0.42
	LTE Band 2 (ENDC)	QPSK20M	Front Face	1cm	18700	50	50	Ant 5	DSi3	1	-	17.00	15.98	0.01	0.190	1.000	1.265	0.24
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	1cm	18700	50	50	Ant 5	DSi3	1	-	17.00	15.98	-0.12	0.331	1.000	1.265	0.42
	LTE Band 2 (ENDC)	QPSK20M	Front Face	1.5cm	18700	1	50	Ant 5	DSi4	1	-	24.50	23.31	0.15	0.373	1.000	1.315	0.49
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	2.2cm	18700	1	50	Ant 5	DSi4	1	-	24.50	23.31	-0.09	0.280	1.000	1.315	0.37
	LTE Band 2 (ENDC)	QPSK20M	Front Face	1.5cm	18700	50	50	Ant 5	DSi4	1	-	23.50	22.29	0.13	0.297	1.000	1.321	0.39
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	2.2cm	18700	50	50	Ant 5	DSi4	1	-	23.50	22.29	0.02	0.227	1.000	1.321	0.30
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	18700	1	50	Ant 5	DSi6	1	-	17.50	16.41	-0.07	0.224	1.000	1.285	0.29
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	18700	1	50	Ant 5	DSi6	1	-	17.50	16.41	-0.19	0.382	1.000	1.285	0.49
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	18700	50	50	Ant 5	DSi6	1	-	16.50	15.42	0.11	0.238	1.000	1.282	0.31
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	18700	50	50	Ant 5	DSi6	1	-	16.50	15.42	0.03	0.404	1.000	1.282	0.52
	LTE Band 5	QPSK10M	Front Face	1cm	20600	1	0	Ant 2	DSi4	1	-	25.50	24.25	0.09	0.305	1.000	1.334	0.41
P27	LTE Band 5	QPSK10M	Rear Face	1cm	20600	1	0	Ant 2	DSi4	1	-	25.50	24.25	-0.1	0.464	1.000	1.334	0.62
	LTE Band 5	QPSK10M	Front Face	1cm	20600	25	25	Ant 2	DSi4	1	-	24.50	23.30	-0.14	0.252	1.000	1.318	0.33
	LTE Band 5	QPSK10M	Rear Face	1cm	20600	25	25	Ant 2	DSi4	1	-	24.50	23.30	-0.14	0.394	1.000	1.318	0.52
	LTE Band 5B	QPSK10M	Rear Face	1cm	PCC-20450 SCC-20549	1	49	Ant 2	DSi4	1	-	25.50	24.87	0.05	0.401	1.000	1.156	0.46
	LTE Band 7	QPSK20M	Front Face	1cm	21100	1	0	Ant 5	DSi3	1	-	19.00	17.83	0.02	0.147	1.000	1.309	0.19
	LTE Band 7	QPSK20M	Rear Face	1cm	21100	1	0	Ant 5	DSi3	1	-	19.00	17.83	-0.08	0.497	1.000	1.309	0.65
	LTE Band 7	QPSK20M	Front Face	1cm	21100	50	0	Ant 5	DSi3	1	-	18.00	16.77	-0.12	0.198	1.000	1.327	0.26
	LTE Band 7	QPSK20M	Rear Face	1cm	21100	50	0	Ant 5	DSi3	1	-	18.00	16.77	-0.17	0.504	1.000	1.327	0.67
	LTE Band 7	QPSK20M	Front Face	1.5cm	21100	1	0	Ant 5	DSi4	1	-	24.50	23.26	0.11	0.401	1.000	1.330	0.53
P28	LTE Band 7	QPSK20M	Rear Face	2.2cm	21100	1	0	Ant 5	DSi4	1	-	24.50	23.26	-0.09	0.828	1.000	1.330	1.10
	LTE Band 7	QPSK20M	Front Face	1.5cm	21100	50	0	Ant 5	DSi4	1	-	23.50	22.22	-0.14	0.332	1.000	1.343	0.45
	LTE Band 7	QPSK20M	Rear Face	2.2cm	21100	50	0	Ant 5	DSi4									

	LTE Band 48	QPSK20M	Front Face	1cm	56640	1	50	Ant 4	DSI3	1	62.9	20.00	19.06	0.08	0.146	1.006	1.242	0.18
P31	LTE Band 48	QPSK20M	Rear Face	1cm	56640	1	50	Ant 4	DSI3	1	62.9	20.00	19.06	0.02	0.686	1.006	1.242	0.86
	LTE Band 48	QPSK20M	Front Face	1cm	56640	50	50	Ant 4	DSI3	1	62.9	19.00	18.19	-0.09	0.109	1.006	1.205	0.13
	LTE Band 48	QPSK20M	Rear Face	1cm	56640	50	50	Ant 4	DSI3	1	62.9	19.00	18.19	0.11	0.625	1.006	1.205	0.76
	LTE Band 48	QPSK20M	Rear Face	1cm	55340	1	50	Ant 4	DSI3	1	62.9	20.00	19.02	-0.16	0.644	1.006	1.253	0.81
	LTE Band 48	QPSK20M	Rear Face	1cm	55830	1	50	Ant 4	DSI3	1	62.9	20.00	18.88	0.13	0.652	1.006	1.294	0.85
	LTE Band 48	QPSK20M	Rear Face	1cm	56150	1	50	Ant 4	DSI3	1	62.9	20.00	18.81	0.02	0.619	1.006	1.315	0.82
	LTE Band 48	QPSK20M	Rear Face	1cm	56640	100	0	Ant 4	DSI3	1	62.9	20.00	18.15	-0.07	0.546	1.006	1.531	0.84
	LTE Band 48	QPSK20M	Front Face	1.5cm	56640	1	50	Ant 4	DSI4	1	62.9	23.50	22.86	0.15	0.177	1.006	1.159	0.21
	LTE Band 48	QPSK20M	Rear Face	2.2cm	56640	1	50	Ant 4	DSI4	1	62.9	23.50	22.86	0.16	0.260	1.006	1.159	0.30
	LTE Band 48	QPSK20M	Front Face	1.5cm	56640	50	50	Ant 4	DSI4	1	62.9	22.50	21.98	0.13	0.167	1.006	1.127	0.19
	LTE Band 48	QPSK20M	Rear Face	2.2cm	56640	50	50	Ant 4	DSI4	1	62.9	22.50	21.98	-0.02	0.245	1.006	1.127	0.28
	LTE Band 48B	QPSK20M	Rear Face	1cm	PCC-56591 SCC-56690	1	49	Ant 4	DSI3	1	62.9	20.00	19.48	0.08	0.597	1.006	1.127	0.68
	LTE Band 48C	QPSK20M	Rear Face	1cm	PCC-56442 SCC-56640	1	99	Ant 4	DSI3	1	62.9	20.00	19.54	0.15	0.629	1.006	1.112	0.70
	LTE Band 48 (Sim-Tx)	QPSK20M	Front Face	1cm	56640	1	50	Ant 4	DSI6	1	62.9	20.00	19.06	0.08	0.146	1.006	1.242	0.18
	LTE Band 48 (Sim-Tx)	QPSK20M	Rear Face	1cm	56640	1	50	Ant 4	DSI6	1	62.9	20.00	19.06	0.02	0.686	1.006	1.242	0.86
	LTE Band 48 (Sim-Tx)	QPSK20M	Front Face	1cm	56640	50	50	Ant 4	DSI6	1	62.9	19.00	18.19	-0.09	0.109	1.006	1.205	0.13
	LTE Band 48 (Sim-Tx)	QPSK20M	Rear Face	1cm	56640	50	50	Ant 4	DSI6	1	62.9	19.00	18.19	0.11	0.625	1.006	1.205	0.76
	LTE Band 48 (Sim-Tx)	QPSK20M	Rear Face	1cm	55340	1	50	Ant 4	DSI6	1	62.9	20.00	19.02	-0.16	0.644	1.006	1.253	0.81
	LTE Band 48 (Sim-Tx)	QPSK20M	Rear Face	1cm	55830	1	50	Ant 4	DSI6	1	62.9	20.00	18.88	0.13	0.652	1.006	1.294	0.85
	LTE Band 48 (Sim-Tx)	QPSK20M	Rear Face	1cm	56150	1	50	Ant 4	DSI6	1	62.9	20.00	18.81	0.02	0.619	1.006	1.315	0.82
	LTE Band 48 (Sim-Tx)	QPSK20M	Rear Face	1cm	56640	100	0	Ant 4	DSI6	1	62.9	20.00	18.15	-0.07	0.546	1.006	1.531	0.84
	LTE Band 48(ENDC)	QPSK20M	Front Face	1cm	56640	1	50	Ant 4	DSI3	1	62.9	20.00	19.06	-0.11	0.146	1.006	1.242	0.18
	LTE Band 48(ENDC)	QPSK20M	Rear Face	1cm	56640	1	50	Ant 4	DSI3	1	62.9	20.00	19.06	0.02	0.686	1.006	1.242	0.86
	LTE Band 48(ENDC)	QPSK20M	Front Face	1cm	56640	50	50	Ant 4	DSI3	1	62.9	19.00	18.19	-0.09	0.109	1.006	1.205	0.13
	LTE Band 48(ENDC)	QPSK20M	Rear Face	1cm	56640	50	50	Ant 4	DSI3	1	62.9	19.00	18.19	0.11	0.625	1.006	1.205	0.76
	LTE Band 48(ENDC)	QPSK20M	Rear Face	1cm	55340	1	50	Ant 4	DSI3	1	62.9	20.00	19.02	0.05	0.644	1.006	1.253	0.81
	LTE Band 48(ENDC)	QPSK20M	Rear Face	1cm	55830	1	50	Ant 4	DSI3	1	62.9	20.00	18.88	-0.03	0.652	1.006	1.294	0.85
	LTE Band 48(ENDC)	QPSK20M	Rear Face	1cm	56150	1	50	Ant 4	DSI3	1	62.9	20.00	18.81	0.04	0.619	1.006	1.315	0.82
	LTE Band 48(ENDC)	QPSK20M	Rear Face	1cm	56640	100	0	Ant 4	DSI3	1	62.9	20.00	18.15	0.18	0.546	1.006	1.531	0.84
	LTE Band 48(ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	56640	1	50	Ant 4	DSI6	1	62.9	19.50	18.89	0.13	0.146	1.006	1.151	0.17
	LTE Band 48(ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	56640	1	50	Ant 4	DSI6	1	62.9	19.50	18.89	0.08	0.415	1.006	1.151	0.48
	LTE Band 48(ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	56640	50	50	Ant 4	DSI6	1	62.9	18.50	17.99	0.09	0.110	1.006	1.125	0.12
	LTE Band 48(ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	56640	50	50	Ant 4	DSI6	1	62.9	18.50	17.99	0.04	0.372	1.006	1.125	0.42
	LTE Band 66/4	QPSK20M	Front Face	1cm	132322	1	99	Ant 1	DSI3	1	-	20.50	19.67	0.03	0.192	1.000	1.211	0.23
	LTE Band 66/4	QPSK20M	Rear Face	1cm	132322	1	99	Ant 1	DSI3	1	-	20.50	19.67	0.18	0.673	1.000	1.211	0.82
	LTE Band 66/4	QPSK20M	Front Face	1cm	132322	50	50	Ant 1	DSI3	1	-	19.50	18.76	-0.04	0.156	1.000	1.186	0.19
	LTE Band 66/4	QPSK20M	Rear Face	1cm	132322	50	50	Ant 1	DSI3	1	-	19.50	18.76	0.1	0.654	1.000	1.186	0.78
P32	LTE Band 66/4	QPSK20M	Rear Face	1cm	132072	1	99	Ant 1	DSI3	1	-	20.50	19.65	-0.07	0.676	1.000	1.216	0.82
	LTE Band 66/4	QPSK20M	Rear Face	1cm	132572	1	99	Ant 1	DSI3	1	-	20.50	19.61	0.17	0.583	1.000	1.227	0.72
	LTE Band 66/4	QPSK20M	Rear Face	1cm	132322	100	0	Ant 1	DSI3	1	-	20.50	18.72	0.16	0.495	1.000	1.507	0.75
	LTE Band 66/4	QPSK20M	Front Face	1.5cm	132322	1	99	Ant 1	DSI4	1	-	24.50	23.50	0.06	0.298	1.000	1.259	0.38
	LTE Band 66/4	QPSK20M	Rear Face	2.3cm	132322	1	99	Ant 1	DSI4	1	-	24.50	23.50	-0.08	0.268	1.000	1.259	0.34
	LTE Band 66B	QPSK20M	Rear Face	1cm	PCC-13237 3	1	49	Ant 1	DSI3	1	-	20.50	19.95	0.11	0.619	1.000	1.135	0.70
	LTE Band 66C	QPSK20M	Rear Face	1cm	PCC-13232 3	1	99	Ant 1	DSI3	1	-	20.50	20.00	0.15	0.644	1.000	1.122	0.72
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Front Face	1cm	132322	1	99	Ant 1	DSI6	1	-	20.50	19.67	0.03	0.192	1.000	1.211	0.23
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132322	1	99	Ant 1	DSI6	1	-	20.50	19.67	0.18	0.673	1.000	1.211	0.82
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Front Face	1cm	132322	50	50	Ant 1	DSI6	1	-	19.50	18.76	-0.04	0.156	1.000	1.186	0.19
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132322	50	50	Ant 1	DSI6	1	-	19.50	18.76	0.1	0.654	1.000	1.186	0.78
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132072	1	99	Ant 1	DSI6	1	-	20.50	19.65	-0.07	0.676	1.000	1.216	0.82
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132572	1	99	Ant 1	DSI6	1	-	20.50	19.61	0.17	0.583	1.000	1.227	0.72
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132322	100	0	Ant 1	DSI6	1	-	20.50	18.72	0.16	0.495	1.000	1.507	0.75
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Front Face	1.5cm	132322	1	99	Ant 1	DSI4	1	-	24.50	23.50	0.06	0.298	1.000	1.259	0.38
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	2.3cm	132322	1	99	Ant 1	DSI4	1	-	24.50	23.50	-0.08	0.268	1.000	1.259	0.34
	LTE Band 66B	QPSK20M	Rear Face	1cm	PCC-13237 3	1	49	Ant 1	DSI6	1	-	20.50	19.95	0.11	0.619	1.000	1.135	0.70
	LTE Band 66C	QPSK20M	Rear Face	1cm	PCC-13232 3	1	99	Ant 1	DSI6	1	-	20.50	20.00	0.15	0.644	1.000	1.122	0.72
	LTE Band 66/4(ENDC)	QPSK20M	Front Face	1cm	132322	1	99	Ant 1	DSI3	1	-	19.00	18.41	-0.05	0.154	1.000	1.146	0.18
	LTE Band 66/4(ENDC)	QPSK20M	Rear Face	1cm	132322	1	99	Ant 1	DSI3	1	-	19.00	18.41	-0.08	0.366	1.000	1.146	0.42
	LTE Band 66/4(ENDC)	QPSK20M	Front Face	1cm	132322	50	50	Ant 1	DSI3	1	-	18.00	17.46	0.06	0.131	1.000	1.132	0.15
	LTE Band 66/4(ENDC)	QPSK20M	Rear Face	1cm	132322	50	50	Ant 1	DSI3	1	-	18.00	17.46	0.05	0.300	1.000	1.132	0.34
	LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	132322	1	99	Ant 1	DSI6	1	-	19.00	18.41	-0.05	0.154	1.000	1.146	0.18
	LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	132322	1	99	Ant 1	DSI6	1	-	19.00	18.41	-0.08	0.366	1.000	1.146	0.42
	LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	132322	50	50	Ant 1	DSI6	1	-	18.00	17.46	0.06	0.131	1.000	1.132	0.15
	LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	132322	50	50	Ant 1	DSI6	1	-	18.00	17.46	0.05	0.300	1.000	1.132	0.34
	LTE Band 66/4(ENDC)	QPSK20M	Front Face	1cm	132322	1	99	Ant 5	DSI3	1	-	19.00	18.20	0.1	0.100	1.000	1.202	0.12
	LTE Band 66/4(ENDC)	QPSK20M	Rear Face	1cm	132322	1	99	Ant 5	DSI3	1	-	19.00	18.20	-0.09	0.220	1.000	1.202	0.26
	LTE Band 66/4(ENDC)	QPSK20M	Front Face	1cm	132322	50	50	Ant 5	DSI3	1	-	18.00	17.14	0.08	0.110	1.000	1.219	0.13
	LTE Band 66/4(ENDC)	QPSK20M	Rear Face	1cm	132322	50	50	Ant 5	DSI3	1	-	18.00	17.14	-0.06	0.285	1.000	1.219	0.35
	LTE Band 66/4(ENDC)	QPSK20M	Front Face	1.5cm	132322	1	99	Ant 5	DSI4	1	-	24.50	23.27	-0.08	0.419	1.000	1.327	0.56
	LTE Band 66/4(ENDC)																	

	FR1 n2	DFT-15kHz-QPSK20M	Front Face	1cm	372000	1	1	Ant 1	DSI3	1	-	21.50	20.83	-0.06	0.244	1.000	1.167	0.29
	FR1 n2	DFT-15kHz-QPSK20M	Rear Face	1cm	372000	1	1	Ant 1	DSI3	1	-	21.50	20.83	0.15	0.598	1.000	1.167	0.70
	FR1 n2	DFT-15kHz-QPSK20M	Front Face	1cm	372000	50	28	Ant 1	DSI3	1	-	21.50	20.80	0.05	0.299	1.000	1.175	0.35
P33	FR1 n2	DFT-15kHz-QPSK20M	Rear Face	1cm	372000	50	28	Ant 1	DSI3	1	-	21.50	20.80	-0.14	0.674	1.000	1.175	0.79
	FR1 n2	DFT-15kHz-QPSK20M	Rear Face	1cm	376000	100	0	Ant 1	DSI3	1	-	20.50	20.18	0.06	0.601	1.000	1.076	0.65
	FR1 n2	DFT-15kHz-QPSK20M	Front Face	1.5cm	372000	1	1	Ant 1	DSI4	1	-	24.50	23.61	0.15	0.202	1.000	1.227	0.25
	FR1 n2	DFT-15kHz-QPSK20M	Rear Face	2.3cm	372000	1	1	Ant 1	DSI4	1	-	24.50	23.61	-0.03	0.188	1.000	1.227	0.23
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Front Face	1cm	372000	1	1	Ant 1	DSI6	1	-	21.50	20.83	-0.06	0.244	1.000	1.167	0.29
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	1cm	372000	1	1	Ant 1	DSI6	1	-	21.50	20.83	0.15	0.598	1.000	1.167	0.70
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Front Face	1cm	372000	50	28	Ant 1	DSI6	1	-	21.50	20.80	0.05	0.299	1.000	1.175	0.35
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	1cm	372000	50	28	Ant 1	DSI6	1	-	21.50	20.80	-0.14	0.674	1.000	1.175	0.79
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	1cm	376000	100	0	Ant 1	DSI6	1	-	20.50	20.18	0.06	0.601	1.000	1.076	0.65
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Front Face	1.5cm	372000	1	1	Ant 1	DSI4	1	-	24.50	23.61	0.15	0.202	1.000	1.227	0.25
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	2.3cm	372000	1	1	Ant 1	DSI4	1	-	24.50	23.61	-0.03	0.188	1.000	1.227	0.23
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Front Face	1cm	372000	1	1	Ant 5	DSI3	1	-	19.00	18.45	0.02	0.275	1.000	1.135	0.31
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Rear Face	1cm	372000	1	1	Ant 5	DSI3	1	-	19.00	18.45	-0.06	0.439	1.000	1.135	0.50
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Front Face	1cm	372000	50	28	Ant 5	DSI3	1	-	19.00	18.39	0.07	0.263	1.000	1.151	0.30
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Rear Face	1cm	372000	50	28	Ant 5	DSI3	1	-	19.00	18.39	0.09	0.460	1.000	1.151	0.53
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Front Face	1.5cm	372000	1	1	Ant 5	DSI4	1	-	24.50	23.79	0.15	0.421	1.000	1.178	0.50
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Rear Face	2.2cm	372000	1	1	Ant 5	DSI4	1	-	24.50	23.79	-0.01	0.351	1.000	1.178	0.41
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Front Face	1.5cm	372000	50	28	Ant 5	DSI4	1	-	24.50	23.71	0.03	0.410	1.000	1.199	0.49
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Rear Face	2.2cm	372000	50	28	Ant 5	DSI4	1	-	24.50	23.71	0.17	0.297	1.000	1.199	0.36
	FR1 n2(ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Front Face	1cm	372000	1	1	Ant 5	DSI6	1	-	18.00	17.41	0.05	0.242	1.000	1.146	0.28
	FR1 n2(ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	1cm	372000	1	1	Ant 5	DSI6	1	-	18.00	17.41	0.04	0.409	1.000	1.146	0.47
	FR1 n2(ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Front Face	1cm	372000	50	28	Ant 5	DSI6	1	-	18.00	17.33	-0.08	0.282	1.000	1.167	0.33
	FR1 n2(ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	1cm	372000	50	28	Ant 5	DSI6	1	-	18.00	17.33	-0.02	0.435	1.000	1.167	0.51
	FR1 n5	DFT-15kHz-QPSK20M	Front Face	1cm	167300	1	1	Ant 2	DSI4	1	-	24.50	23.64	0.11	0.247	1.000	1.219	0.30
	FR1 n5	DFT-15kHz-QPSK20M	Rear Face	1cm	167300	1	1	Ant 2	DSI4	1	-	24.50	23.64	-0.11	0.365	1.000	1.219	0.45
	FR1 n5	DFT-15kHz-QPSK20M	Front Face	1cm	167300	50	56	Ant 2	DSI4	1	-	24.50	23.61	0.07	0.268	1.000	1.227	0.33
P34	FR1 n5	DFT-15kHz-QPSK20M	Rear Face	1cm	167300	50	56	Ant 2	DSI4	1	-	24.50	23.61	0.07	0.410	1.000	1.227	0.50
	FR1 n48	DFT-30kHz-QPSK40M	Front Face	1cm	645332	1	1	Ant 4	DSI3	1	62.9	17.00	16.83	0.19	0.208	1.006	1.040	0.22
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	1	1	Ant 4	DSI3	1	62.9	17.00	16.83	-0.06	0.483	1.006	1.040	0.51
	FR1 n48	DFT-30kHz-QPSK40M	Front Face	1cm	645332	50	0	Ant 4	DSI3	1	62.9	17.00	16.72	-0.14	0.301	1.006	1.067	0.32
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	50	0	Ant 4	DSI3	1	62.9	17.00	16.72	0.02	0.424	1.006	1.067	0.46
	FR1 n48	DFT-30kHz-QPSK40M	Front Face	1.5cm	645332	1	1	Ant 4	DSI4	1	62.9	23.50	23.37	0.18	0.314	1.006	1.030	0.33
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	2.2cm	645332	1	1	Ant 4	DSI4	1	62.9	23.50	23.37	-0.05	0.379	1.006	1.030	0.39
	FR1 n48	DFT-30kHz-QPSK40M	Front Face	1.5cm	645332	50	0	Ant 4	DSI4	1	62.9	23.50	23.26	0.13	0.322	1.006	1.057	0.34
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	2.2cm	645332	50	0	Ant 4	DSI4	1	62.9	23.50	23.26	-0.04	0.392	1.006	1.057	0.42
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Front Face	1cm	645332	1	1	Ant 4	DSI6	1	62.9	17.00	16.83	0.19	0.208	1.006	1.040	0.22
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	1	1	Ant 4	DSI6	1	62.9	17.00	16.83	-0.06	0.483	1.006	1.040	0.51
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Front Face	1cm	645332	50	0	Ant 4	DSI6	1	62.9	17.00	16.72	-0.14	0.301	1.006	1.067	0.32
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	50	0	Ant 4	DSI6	1	62.9	17.00	16.72	0.02	0.424	1.006	1.067	0.46
	FR1 n48	DFT-30kHz-QPSK40M	Front Face	1cm	645332	1	1	Ant 3	DSI3	1	62.9	24.00	23.87	-0.01	0.171	1.006	1.030	0.18
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	1	1	Ant 3	DSI3	1	62.9	24.00	23.87	-0.09	0.827	1.006	1.030	0.86
	FR1 n48	DFT-30kHz-QPSK40M	Front Face	1cm	645332	50	0	Ant 3	DSI3	1	62.9	24.00	23.71	-0.1	0.169	1.006	1.069	0.18
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	50	0	Ant 3	DSI3	1	62.9	24.00	23.71	0.09	0.815	1.006	1.069	0.88
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	1	1	Ant 3	DSI3	1	62.9	24.00	23.34	0.11	0.785	1.006	1.164	0.92
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	1	1	Ant 3	DSI3	1	62.9	24.00	23.66	-0.16	0.784	1.006	1.081	0.85
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	50	0	Ant 3	DSI3	1	62.9	24.00	23.19	0.08	0.779	1.006	1.205	0.94
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	50	0	Ant 3	DSI3	1	62.9	24.00	23.49	-0.16	0.745	1.006	1.125	0.84
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	100	0	Ant 3	DSI3	1	62.9	24.00	23.59	-0.09	0.728	1.006	1.099	0.81
	FR1 n48	DFT-30kHz-QPSK40M	Front Face	1cm	645332	1	1	Ant 6	DSI3	1	62.9	23.00	22.75	0.17	0.379	1.006	1.059	0.40
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	1	1	Ant 6	DSI3	1	62.9	23.00	22.75	0.12	0.843	1.006	1.059	0.90
	FR1 n48	DFT-30kHz-QPSK40M	Front Face	1cm	645332	50	0	Ant 6	DSI3	1	62.9	23.00	22.64	-0.1	0.369	1.006	1.086	0.40
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	50	0	Ant 6	DSI3	1	62.9	23.00	22.64	0.06	0.857	1.006	1.086	0.94
P35	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	638000	1	1	Ant 6	DSI3	1	62.9	23.00	22.53	0.08	0.945	1.006	1.114	1.06
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	641666	1	1	Ant 6	DSI3	1	62.9	23.00	22.66	0.02	0.931	1.006	1.081	1.01
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	638000	50	0	Ant 6	DSI3	1	62.9	23.00	22.43	0.09	0.899	1.006	1.140	1.03
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	641666	50	0	Ant 6	DSI3	1	62.9	23.00	22.60	-0.13	0.867	1.006	1.096	0.96
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	100	0	Ant 6	DSI3	1	62.9	23.00	22.75	0.16	0.751	1.006	1.059	0.80
	FR1 n48	DFT-30kHz-QPSK40M	Front Face	1cm	645332	1	1	Ant 8	DSI3	1	62.9	21.00	20.78	0.05	0.161	1.006	1.052	0.17
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	1	1	Ant 8	DSI3	1	62.9	21.00	20.78	-0.03	0.533	1.006	1.052	0.56
	FR1 n48	DFT-30kHz-QPSK40M	Front Face	1cm	645332	50	0	Ant 8	DSI3	1	62.9	21.00	20.67	-0.16	0.162	1.006	1.079	0.18
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	50	0	Ant 8	DSI3	1	62.9	21.00	20.67	0.18	0.519	1.006	1.079	0.56
	FR1 n48	DFT-30kHz-QPSK40M	Right Side	1cm	638000	1	1	Ant 8	DSI3	1	62.9	21.00	20.35	0.13	0.703	1.006	1.161	0.82
	FR1 n48	DFT-30kHz-QPSK40M	Right Side	1cm	641666	1	1	Ant 8	DSI3	1	62.9	21.00	20.71	0.08	0.753	1.006	1.069	0.81
	FR1 n48	DFT-30kHz-QPSK40M	Right Side	1cm	638000	50	0	Ant 8	DSI3	1	62.9	21.00	20.29	0.11	0.681	1.006	1.178	0.81
	FR1 n48	DFT-30kHz-QPSK40M	Right Side	1cm	641666	50	0	Ant 8	DSI3	1	62.9	21.00	20.60	0.17	0.723	1.006	1.096	0.80
	FR1 n48	DFT-30kHz-QPSK40M	Right Side	1cm	645332	100	0	Ant 8	DSI3	1	62.9	21.00	20.57	0.09	0.699	1.006	1.104	0.78
	FR1 n66	DFT-15kHz-QPSK40M	Front Face	1cm	349000	1	1	Ant 1	DSI3	1	-	20.00	19.27	0.17	0.226	1.000	1.183	0.27
	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	1	1	Ant 1	DSI3	1	-	20.00	19.27	0.03	0.618	1.000	1.183	0.73
	FR1 n66	DFT-15kHz-QPSK40M	Front Face	1cm	349000	108	54	Ant 1	DSI3	1	-	20.00	19.11	0.04	0.203	1.000	1.227	0.25
	FR1 n66	DFT-15kHz-Q																

	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Front Face	1cm	349000	1	1	Ant 5	DSI3	1	-	20.50	19.40	0.08	0.140	1.000	1.288	0.18
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	1	1	Ant 5	DSI3	1	-	20.50	19.40	0.13	0.204	1.000	1.288	0.26
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Front Face	1cm	349000	108	54	Ant 5	DSI3	1	-	20.50	19.28	0.19	0.143	1.000	1.324	0.19
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	108	54	Ant 5	DSI3	1	-	20.50	19.28	0.07	0.194	1.000	1.324	0.26
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Front Face	1.5cm	349000	1	1	Ant 5	DSI4	1	-	24.50	23.28	0.16	0.399	1.000	1.324	0.53
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Rear Face	2.2cm	349000	1	1	Ant 5	DSI4	1	-	24.50	23.28	0.05	0.219	1.000	1.324	0.29
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Front Face	1.5cm	349000	108	54	Ant 5	DSI4	1	-	24.50	23.13	-0.08	0.428	1.000	1.371	0.59
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Rear Face	2.2cm	349000	108	54	Ant 5	DSI4	1	-	24.50	23.13	0.14	0.197	1.000	1.371	0.27
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Front Face	1cm	349000	1	1	Ant 5	DSI6	1	-	19.50	18.39	-0.17	0.175	1.000	1.291	0.23
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	1	1	Ant 5	DSI6	1	-	19.50	18.39	0.17	0.240	1.000	1.291	0.31
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Front Face	1cm	349000	108	54	Ant 5	DSI6	1	-	19.50	18.18	-0.15	0.153	1.000	1.355	0.21
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	108	54	Ant 5	DSI6	1	-	19.50	18.18	0.05	0.209	1.000	1.355	0.28
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 4	DSI3	1	-	18.00	16.77	-0.01	0.149	1.000	1.327	0.20
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSI3	1	-	18.00	16.77	0.05	0.397	1.000	1.327	0.53
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	138	Ant 4	DSI3	1	-	18.00	16.69	0.17	0.177	1.000	1.352	0.24
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	138	Ant 4	DSI3	1	-	18.00	16.69	0.06	0.452	1.000	1.352	0.61
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1.5cm	633334	1	1	Ant 4	DSI4	1	-	22.50	21.38	0.11	0.261	1.000	1.294	0.34
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	2.2cm	633334	1	1	Ant 4	DSI4	1	-	22.50	21.38	-0.03	0.144	1.000	1.294	0.19
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1.5cm	633334	135	138	Ant 4	DSI4	1	-	22.50	21.24	0.05	0.234	1.000	1.337	0.31
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	2.2cm	633334	135	138	Ant 4	DSI4	1	-	22.50	21.24	0.19	0.167	1.000	1.337	0.22
	FR1 n77 PC2	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	138	Ant 4	DSI3	1	-	20.00	18.46	0.08	0.418	1.000	1.426	0.60
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	662000	1	1	Ant 4	DSI3	1	-	18.00	17.58	0.15	0.073	1.000	1.102	0.08
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 4	DSI3	1	-	18.00	17.58	-0.04	0.533	1.000	1.102	0.59
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	662000	135	138	Ant 4	DSI3	1	-	18.00	17.39	-0.14	0.073	1.000	1.151	0.08
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	138	Ant 4	DSI3	1	-	18.00	17.39	0.16	0.419	1.000	1.151	0.48
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1.5cm	662000	1	1	Ant 4	DSI4	1	-	22.50	22.05	0.02	0.144	1.000	1.109	0.16
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	2.2cm	662000	1	1	Ant 4	DSI4	1	-	22.50	22.05	-0.08	0.251	1.000	1.109	0.28
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1.5cm	662000	135	138	Ant 4	DSI4	1	-	22.50	21.92	0.17	0.132	1.000	1.143	0.15
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	2.2cm	662000	135	138	Ant 4	DSI4	1	-	22.50	21.92	-0.04	0.233	1.000	1.143	0.27
	FR1 n77 PC2	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 4	DSI3	1	-	21.00	20.55	0.15	0.511	1.000	1.109	0.57
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 4	DSI6	1	-	18.00	16.77	-0.01	0.149	1.000	1.327	0.20
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSI6	1	-	18.00	16.77	0.05	0.397	1.000	1.327	0.53
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	138	Ant 4	DSI6	1	-	18.00	16.69	0.17	0.177	1.000	1.352	0.24
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	138	Ant 4	DSI6	1	-	18.00	16.69	0.06	0.452	1.000	1.352	0.61
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	1	1	Ant 4	DSI6	1	-	18.00	17.58	0.15	0.073	1.000	1.102	0.08
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 4	DSI6	1	-	18.00	17.58	-0.04	0.533	1.000	1.102	0.59
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	135	138	Ant 4	DSI6	1	-	18.00	17.39	-0.14	0.073	1.000	1.151	0.08
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	138	Ant 4	DSI6	1	-	18.00	17.39	0.16	0.419	1.000	1.151	0.48
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 4	DSI3	1	-	15.00	13.82	0.19	0.073	1.000	1.312	0.10
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSI3	1	-	15.00	13.82	-0.01	0.148	1.000	1.312	0.19
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	138	Ant 4	DSI3	1	-	15.00	13.68	0.12	0.074	1.000	1.355	0.10
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	138	Ant 4	DSI3	1	-	15.00	13.68	-0.08	0.198	1.000	1.355	0.27
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	1	1	Ant 4	DSI3	1	-	15.00	14.62	0.16	0.163	1.000	1.091	0.18
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 4	DSI3	1	-	15.00	14.62	0	0.279	1.000	1.091	0.31
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	135	138	Ant 4	DSI3	1	-	15.00	14.41	0.19	0.167	1.000	1.146	0.19
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	138	Ant 4	DSI3	1	-	15.00	14.41	0.19	0.302	1.000	1.146	0.35
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 4	DSI6	1	-	15.00	13.82	0.19	0.073	1.000	1.312	0.10
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSI6	1	-	15.00	13.82	-0.01	0.148	1.000	1.312	0.19
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	138	Ant 4	DSI6	1	-	15.00	13.68	0.12	0.074	1.000	1.355	0.10
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	138	Ant 4	DSI6	1	-	15.00	13.68	-0.08	0.198	1.000	1.355	0.27
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	1	1	Ant 4	DSI6	1	-	15.00	14.62	0.16	0.163	1.000	1.091	0.18
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 4	DSI6	1	-	15.00	14.62	0	0.279	1.000	1.091	0.31
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	135	138	Ant 4	DSI6	1	-	15.00	14.41	0.19	0.167	1.000	1.146	0.19
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	138	Ant 4	DSI6	1	-	15.00	14.41	0.19	0.302	1.000	1.146	0.35
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 3	DSI4	1	-	21.50	20.28	0.09	0.158	1.000	1.324	0.21
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 3	DSI4	1	-	21.50	20.28	-0.05	0.522	1.000	1.324	0.69
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 3	DSI4	1	-	21.50	20.16	0.12	0.180	1.000	1.361	0.25
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 3	DSI4	1	-	21.50	20.16	-0.04	0.472	1.000	1.361	0.64
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	662000	1	1	Ant 3	DSI4	1	-	21.50	20.79	-0.17	0.147	1.000	1.178	0.17
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 3	DSI4	1	-	21.50	20.79	0.01	0.715	1.000	1.178	0.84
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	662000	135	69	Ant 3	DSI4	1	-	21.50	20.69	-0.03	0.162	1.000	1.205	0.20
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	69	Ant 3	DSI4	1	-	21.50	20.69	-0.05	0.767	1.000	1.205	0.92
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	650000	1	1	Ant 3	DSI6	1	-	21.50	20.24	0.09	0.570	1.000	1.337	0.76
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	650000	1	1	Ant 3	DSI6	1	-	21.50	20.75	0.14	0.618	1.000	1.189	0.73
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	650000	135	69	Ant 3	DSI4	1	-	21.50	20.24	0.12	0.546	1.000	1.337	0.73
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	650000	135	69	Ant 3	DSI4	1	-	21.50	20.53	-0.14	0.691	1.000	1.250	0.86
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	270	0											

	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 6	DSI6	1	-	21.00	20.54	0.07	0.237	1.000	1.112	0.26
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 6	DSI6	1	-	21.00	20.54	0.13	0.562	1.000	1.112	0.63
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 6	DSI6	1	-	21.00	20.36	-0.1	0.256	1.000	1.159	0.30
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 6	DSI6	1	-	21.00	20.36	-0.18	0.635	1.000	1.159	0.74
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	270	0	Ant 6	DSI6	1	-	21.00	20.32	0.12	0.673	1.000	1.169	0.79
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1.4cm	633334	1	1	Ant 6	DSI4	1	-	21.50	20.95	0.06	0.158	1.000	1.135	0.18
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	2.1cm	633334	1	1	Ant 6	DSI4	1	-	21.50	20.95	-0.08	0.136	1.000	1.135	0.15
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1.4cm	633334	135	69	Ant 6	DSI4	1	-	21.50	20.77	0.14	0.176	1.000	1.183	0.21
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	2.1cm	633334	135	69	Ant 6	DSI4	1	-	21.50	20.77	0.16	0.148	1.000	1.183	0.18
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	650000	1	1	Ant 6	DSI6	1	-	21.00	20.34	-0.09	0.262	1.000	1.164	0.31
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	650000	1	1	Ant 6	DSI6	1	-	21.00	20.34	-0.13	0.484	1.000	1.164	0.56
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	650000	135	69	Ant 6	DSI6	1	-	21.00	20.08	0.15	0.161	1.000	1.236	0.20
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	650000	135	69	Ant 6	DSI6	1	-	21.00	20.08	0	0.309	1.000	1.236	0.38
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1.4cm	650000	1	1	Ant 6	DSI4	1	-	21.50	20.78	-0.08	0.118	1.000	1.180	0.14
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	2.1cm	650000	1	1	Ant 6	DSI4	1	-	21.50	20.78	0.14	0.096	1.000	1.180	0.11
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1.4cm	650000	135	69	Ant 6	DSI4	1	-	21.50	20.55	0.09	0.117	1.000	1.245	0.15
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	2.1cm	650000	135	69	Ant 6	DSI4	1	-	21.50	20.55	-0.15	0.082	1.000	1.245	0.10
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 8	DSI4	1	-	20.50	19.21	0.05	0.142	1.000	1.346	0.19
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 8	DSI4	1	-	20.50	19.21	-0.19	0.313	1.000	1.346	0.42
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 8	DSI4	1	-	20.50	19.12	0.12	0.127	1.000	1.374	0.18
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 8	DSI4	1	-	20.50	19.12	-0.15	0.315	1.000	1.374	0.43
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	650000	1	1	Ant 8	DSI4	1	-	20.50	20.13	0.02	0.148	1.000	1.089	0.16
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	650000	1	1	Ant 8	DSI4	1	-	20.50	20.13	-0.07	0.509	1.000	1.089	0.55
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	650000	135	69	Ant 8	DSI4	1	-	20.50	19.99	-0.09	0.160	1.000	1.125	0.18
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	650000	135	69	Ant 8	DSI4	1	-	20.50	19.99	-0.14	0.479	1.000	1.125	0.54
	WLAN 2.4G	802.11b 1Mbps	Front Face	1cm	6	-	-	Ant 7	DSI3	1	98.79	17.00	16.32	0.1	0.072	1.012	1.169	0.09
P38	WLAN 2.4G	802.11b 1Mbps	Rear Face	1cm	6	-	-	Ant 7	DSI3	1	98.79	17.00	16.32	-0.02	0.198	1.012	1.169	0.23
	WLAN 2.4G	802.11b 1Mbps	Front Face	1.4cm	6	-	-	Ant 7	DSI5	1	98.79	20.00	19.22	0.15	0.113	1.012	1.197	0.14
	WLAN 2.4G	802.11b 1Mbps	Rear Face	2.1cm	6	-	-	Ant 7	DSI5	1	98.79	20.00	19.22	0.09	0.126	1.012	1.197	0.15
	WLAN 5.3G	802.11a 6Mbps	Front Face	1cm	60	-	-	Ant 6	DSI3	1	97.88	16.50	15.48	0.14	0.068	1.022	1.265	0.09
	WLAN 5.3G	802.11a 6Mbps	Rear Face	1cm	60	-	-	Ant 6	DSI3	1	97.88	16.50	15.48	0.09	0.130	1.022	1.265	0.17
P39	WLAN 5.3G	802.11a 6Mbps	Front Face	1.4cm	60	-	-	Ant 6	DSI5	1	97.88	20.00	18.77	-0.09	0.188	1.022	1.327	0.26
	WLAN 5.3G	802.11a 6Mbps	Rear Face	2.1cm	60	-	-	Ant 6	DSI5	1	97.88	20.00	18.77	0.05	0.113	1.022	1.327	0.15
	WLAN 5.5G	802.11a 6Mbps	Front Face	1cm	144	-	-	Ant 6	DSI3	1	97.88	13.00	12.72	-0.13	0.141	1.022	1.067	0.15
	WLAN 5.5G	802.11a 6Mbps	Rear Face	1cm	144	-	-	Ant 6	DSI3	1	97.88	13.00	12.72	0.09	0.142	1.022	1.067	0.16
P40	WLAN 5.5G	802.11a 6Mbps	Front Face	1.4cm	144	-	-	Ant 6	DSI5	1	97.88	20.00	19.59	-0.07	0.454	1.022	1.099	0.51
	WLAN 5.5G	802.11a 6Mbps	Rear Face	2.1cm	144	-	-	Ant 6	DSI5	1	97.88	20.00	19.59	0.06	0.250	1.022	1.099	0.28
	WLAN 5.5G	802.11a 6Mbps	Front Face	1.4cm	144	-	-	Ant 6	DSI5	2	97.88	20.00	19.59	0.15	0.429	1.022	1.099	0.48
	BT	GFSK	Front Face	1cm	78	-	-	Ant 7	DSI5	1	76.62	13.00	12.26	-0.08	0.005	1.305	1.186	0.01
P41	BT	GFSK	Rear Face	1cm	78	-	-	Ant 7	DSI5	1	76.62	13.00	12.26	0.16	0.008	1.305	1.186	0.01

Hotspot Exposure Condition

System & Position																		
Plot No.	Band	Mode	Test Position	Separation Distance	Channel	RB	offset	Ant Status	DUT Status	Sample	Duty Cycle	Maximum Turn-up (dBm)	Conducted Power (dBm)	Power Drift	SAR 1g	Duty Cycle Scaling	Scaling Factor	Scaled 1g SAR
P42	GSM850	GPRS 2Tx Slot	Front Face	1cm	251	-	-	Ant 2	DSi4	1	-	31.50	31.06	-0.07	0.559	1.000	1.107	0.62
	GSM850	GPRS 2Tx Slot	Rear Face	1cm	251	-	-	Ant 2	DSi4	1	-	31.50	31.06	-0.01	0.579	1.000	1.107	0.64
	GSM850	GPRS 2Tx Slot	Left Side	1cm	251	-	-	Ant 2	DSi4	1	-	31.50	31.06	0.08	0.226	1.000	1.107	0.25
	GSM850	GPRS 2Tx Slot	Right Side	1cm	251	-	-	Ant 2	DSi4	1	-	31.50	31.06	-0.01	0.161	1.000	1.107	0.18
	GSM850	GPRS 2Tx Slot	Bottom Side	1cm	251	-	-	Ant 2	DSi4	1	-	31.50	31.06	0.12	0.262	1.000	1.107	0.29
P43	GSM1900	GPRS 2Tx Slot	Front Face	1cm	512	-	-	Ant 1	DSi4	1	-	29.50	28.64	0.04	0.297	1.000	1.219	0.36
	GSM1900	GPRS 2Tx Slot	Rear Face	1cm	512	-	-	Ant 1	DSi4	1	-	29.50	28.64	-0.04	0.878	1.000	1.219	1.07
	GSM1900	GPRS 2Tx Slot	Left Side	1cm	512	-	-	Ant 1	DSi4	1	-	29.50	28.64	-0.05	0.123	1.000	1.219	0.15
	GSM1900	GPRS 2Tx Slot	Right Side	1cm	512	-	-	Ant 1	DSi4	1	-	29.50	28.64	-0.09	0.183	1.000	1.219	0.22
	GSM1900	GPRS 2Tx Slot	Bottom Side	1cm	512	-	-	Ant 1	DSi4	1	-	29.50	28.64	0.13	0.807	1.000	1.219	0.98
	GSM1900	GPRS 2Tx Slot	Rear Face	1cm	661	-	-	Ant 1	DSi4	1	-	29.50	27.90	0.12	0.758	1.000	1.445	1.10
	GSM1900	GPRS 2Tx Slot	Rear Face	1cm	810	-	-	Ant 1	DSi4	1	-	29.50	28.02	0.02	0.722	1.000	1.406	1.02
	GSM1900	GPRS 2Tx Slot	Bottom Side	1cm	661	-	-	Ant 1	DSi4	1	-	29.50	27.90	-0.07	0.657	1.000	1.445	0.95
	GSM1900	GPRS 2Tx Slot	Bottom Side	1cm	810	-	-	Ant 1	DSi4	1	-	29.50	28.02	0.04	0.598	1.000	1.406	0.84
	GSM1900	GPRS 2Tx Slot	Rear Face	1cm	661	-	-	Ant 1	DSi4	2	-	29.50	27.90	0.17	0.724	1.000	1.445	1.05
P44	WCDMA II	RMC 12.2K	Front Face	1cm	9400	-	-	Ant 1	DSi7	1	-	22.00	21.37	-0.14	0.370	1.000	1.156	0.43
	WCDMA II	RMC 12.2K	Rear Face	1cm	9400	-	-	Ant 1	DSi7	1	-	22.00	21.37	0.07	0.640	1.000	1.156	0.74
	WCDMA II	RMC 12.2K	Left Side	1cm	9400	-	-	Ant 1	DSi7	1	-	22.00	21.37	-0.18	0.000	1.000	1.156	0.00
	WCDMA II	RMC 12.2K	Right Side	1cm	9400	-	-	Ant 1	DSi7	1	-	22.00	21.37	0.09	0.256	1.000	1.156	0.30
	WCDMA II	RMC 12.2K	Bottom Side	1cm	9400	-	-	Ant 1	DSi7	1	-	22.00	21.37	0.15	0.493	1.000	1.156	0.57
P45	WCDMA II (Sim-Tx)	RMC 12.2K	Front Face	1cm	9400	-	-	Ant 1	DSi8	1	-	22.00	21.37	-0.14	0.370	1.000	1.156	0.43
	WCDMA II (Sim-Tx)	RMC 12.2K	Rear Face	1cm	9400	-	-	Ant 1	DSi8	1	-	22.00	21.37	0.07	0.640	1.000	1.156	0.74
	WCDMA II (Sim-Tx)	RMC 12.2K	Left Side	1cm	9400	-	-	Ant 1	DSi8	1	-	22.00	21.37	-0.18	0.000	1.000	1.156	0.00
	WCDMA II (Sim-Tx)	RMC 12.2K	Right Side	1cm	9400	-	-	Ant 1	DSi8	1	-	22.00	21.37	0.09	0.256	1.000	1.156	0.30
	WCDMA II (Sim-Tx)	RMC 12.2K	Bottom Side	1cm	9400	-	-	Ant 1	DSi8	1	-	22.00	21.37	0.15	0.493	1.000	1.156	0.57
	WCDMA V	RMC 12.2K	Front Face	1cm	4182	-	-	Ant 2	DSi4	1	-	25.00	24.42	-0.11	0.293	1.000	1.143	0.34
P46	WCDMA V	RMC 12.2K	Rear Face	1cm	4182	-	-	Ant 2	DSi4	1	-	25.00	24.42	-0.01	0.506	1.000	1.143	0.58
	WCDMA V	RMC 12.2K	Left Side	1cm	4182	-	-	Ant 2	DSi4	1	-	25.00	24.42	-0.14	0.217	1.000	1.143	0.25
	WCDMA V	RMC 12.2K	Right Side	1cm	4182	-	-	Ant 2	DSi4	1	-	25.00	24.42	0.01	0.169	1.000	1.143	0.19
	WCDMA V	RMC 12.2K	Bottom Side	1cm	4182	-	-	Ant 2	DSi4	1	-	25.00	24.42	0	0.257	1.000	1.143	0.29
	LTE Band 2	QPSK20M	Front Face	1cm	18700	1	50	Ant 1	DSi7	1	-	20.50	19.19	-0.04	0.182	1.000	1.352	0.25
P46	LTE Band 2	QPSK20M	Rear Face	1cm	18700	1	50	Ant 1	DSi7	1	-	20.50	19.19	0.05	0.579	1.000	1.352	0.78
	LTE Band 2	QPSK20M	Left Side	1cm	18700	1	50	Ant 1	DSi7	1	-	20.50	19.19	0.04	0.057	1.000	1.352	0.08
	LTE Band 2	QPSK20M	Right Side	1cm	18700	1	50	Ant 1	DSi7	1	-	20.50	19.19	0.05	0.153	1.000	1.352	0.21
	LTE Band 2	QPSK20M	Bottom Side	1cm	18700	1	50	Ant 1	DSi7	1	-	20.50	19.19	-0.06	0.406	1.000	1.352	0.55
	LTE Band 2	QPSK20M	Front Face	1cm	18700	50	50	Ant 1	DSi7	1	-	19.50	18.23	-0.18	0.145	1.000	1.340	0.19
	LTE Band 2	QPSK20M	Rear Face	1cm	18700	50	50	Ant 1	DSi7	1	-	19.50	18.23	0.18	0.319	1.000	1.340	0.43
	LTE Band 2	QPSK20M	Left Side	1cm	18700	50	50	Ant 1	DSi7	1	-	19.50	18.23	0.01	0.048	1.000	1.340	0.06
	LTE Band 2	QPSK20M	Right Side	1cm	18700	50	50	Ant 1	DSi7	1	-	19.50	18.23	-0.17	0.123	1.000	1.340	0.17
	LTE Band 2	QPSK20M	Bottom Side	1cm	18700	50	50	Ant 1	DSi7	1	-	19.50	18.23	0	0.316	1.000	1.340	0.42
	LTE Band 2 (Sim-Tx)	QPSK20M	Front Face	1cm	18700	1	50	Ant 1	DSi8	1	-	20.50	19.19	-0.04	0.182	1.000	1.352	0.25
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	1cm	18700	1	50	Ant 1	DSi8	1	-	20.50	19.19	0.05	0.579	1.000	1.352	0.78
	LTE Band 2 (Sim-Tx)	QPSK20M	Left Side	1cm	18700	1	50	Ant 1	DSi8	1	-	20.50	19.19	0.04	0.057	1.000	1.352	0.08
	LTE Band 2 (Sim-Tx)	QPSK20M	Right Side	1cm	18700	1	50	Ant 1	DSi8	1	-	20.50	19.19	0.05	0.153	1.000	1.352	0.21
	LTE Band 2 (Sim-Tx)	QPSK20M	Bottom Side	1cm	18700	1	50	Ant 1	DSi8	1	-	20.50	19.19	-0.06	0.406	1.000	1.352	0.55
	LTE Band 2 (Sim-Tx)	QPSK20M	Front Face	1cm	18700	50	50	Ant 1	DSi8	1	-	19.50	18.23	-0.18	0.145	1.000	1.340	0.19
LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	1cm	18700	50	50	Ant 1	DSi8	1	-	19.50	18.23	0.18	0.319	1.000	1.340	0.43	
LTE Band 2 (Sim-Tx)	QPSK20M	Left Side	1cm	18700	50	50	Ant 1	DSi8	1	-	19.50	18.23	0.01	0.048	1.000	1.340	0.06	
LTE Band 2 (Sim-Tx)	QPSK20M	Right Side	1cm	18700	50	50	Ant 1	DSi8	1	-	19.50	18.23	-0.17	0.123	1.000	1.340	0.17	
LTE Band 2 (Sim-Tx)	QPSK20M	Bottom Side	1cm	18700	50	50	Ant 1	DSi8	1	-	19.50	18.23	0	0.316	1.000	1.340	0.42	
P46	LTE Band 2 (ENDC)	QPSK20M	Front Face	1cm	18700	1	50	Ant 1	DSi7	1	-	19.50	18.30	-0.19	0.130	1.000	1.318	0.17
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	1cm	18700	1	50	Ant 1	DSi7	1	-	19.50	18.30	-0.18	0.307	1.000	1.318	0.41
	LTE Band 2 (ENDC)	QPSK20M	Left Side	1cm	18700	1	50	Ant 1	DSi7	1	-	19.50	18.30	0.2	0.046	1.000	1.318	0.06
	LTE Band 2 (ENDC)	QPSK20M	Right Side	1cm	18700	1	50	Ant 1	DSi7	1	-	19.50	18.30	-0.11	0.000	1.000	1.318	0.00
	LTE Band 2 (ENDC)	QPSK20M	Bottom Side	1cm	18700	1	50	Ant 1	DSi7	1	-	19.50	18.30	0.09	0.324	1.000	1.318	0.43
	LTE Band 2 (ENDC)	QPSK20M	Front Face	1cm	18700	50	50	Ant 1	DSi7	1	-	18.50	17.39	-0.12	0.109	1.000	1.291	0.14
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	1cm	18700	50	50	Ant 1	DSi7	1	-	18.50	17.39	0.1	0.244	1.000	1.291	0.32
	LTE Band 2 (ENDC)	QPSK20M	Left Side	1cm	18700	50	50	Ant 1	DSi7	1	-	18.50	17.39	-0.1	0.000	1.000	1.291	0.00
	LTE Band 2 (ENDC)	QPSK20M	Right Side	1cm	18700	50	50	Ant 1	DSi7	1	-	18.50	17.39	-0.04	0.085	1.000	1.291	0.11
	LTE Band 2 (ENDC)	QPSK20M	Bottom Side	1cm	18700	50	50	Ant 1	DSi7	1	-	18.50	17.39	0.14	0.257	1.000	1.291	0.33
P46	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	18700	1	50	Ant 1	DSi8	1	-	19.50	18.30	-0.19	0.130	1.000	1.318	0.17
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	18700	1	50	Ant 1	DSi8	1	-	19.50	18.30	-0.18	0.307	1.000	1.318	0.41
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Left Side	1cm	18700	1	50	Ant 1	DSi8	1	-	19.50	18.30	0.2	0.046	1.000	1.318	0.06
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Right Side	1cm	18700	1	50	Ant 1	DSi8	1	-	19.50	18.30	-0.11	0.000	1.000	1.318	0.00
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Bottom Side	1cm	18700	1	50	Ant 1	DSi8	1	-	19.50	18.30	0.09	0.324</			

P47	LTE Band 5	QPSK10M	Front Face	1cm	20600	1	0	Ant 2	DSi4	1	-	25.50	24.25	0.09	0.305	1.000	1.334	0.41
	LTE Band 5	QPSK10M	Rear Face	1cm	20600	1	0	Ant 2	DSi4	1	-	25.50	24.25	-0.1	0.464	1.000	1.334	0.62
	LTE Band 5	QPSK10M	Left Side	1cm	20600	1	0	Ant 2	DSi4	1	-	25.50	24.25	0.03	0.197	1.000	1.334	0.26
	LTE Band 5	QPSK10M	Right Side	1cm	20600	1	0	Ant 2	DSi4	1	-	25.50	24.25	0.15	0.176	1.000	1.334	0.24
	LTE Band 5	QPSK10M	Bottom Side	1cm	20600	1	0	Ant 2	DSi4	1	-	25.50	24.25	0.18	0.278	1.000	1.334	0.37
	LTE Band 5	QPSK10M	Front Face	1cm	20800	25	25	Ant 2	DSi4	1	-	24.50	23.30	-0.14	0.252	1.000	1.318	0.33
	LTE Band 5	QPSK10M	Rear Face	1cm	20800	25	25	Ant 2	DSi4	1	-	24.50	23.30	-0.14	0.394	1.000	1.318	0.52
	LTE Band 5	QPSK10M	Left Side	1cm	20600	25	25	Ant 2	DSi4	1	-	24.50	23.30	-0.02	0.138	1.000	1.318	0.18
	LTE Band 5	QPSK10M	Right Side	1cm	20600	25	25	Ant 2	DSi4	1	-	24.50	23.30	-0.11	0.133	1.000	1.318	0.18
	LTE Band 5	QPSK10M	Bottom Side	1cm	20600	25	25	Ant 2	DSi4	1	-	24.50	23.30	-0.17	0.214	1.000	1.318	0.28
	LTE Band 5B	QPSK10M	Rear Face	1cm	PCC:20450 SCC:20549	1	49	Ant 2	DSi4	1	-	25.50	24.87	0.05	0.401	1.000	1.156	0.46
	LTE Band 7	QPSK20M	Front Face	1cm	21100	1	0	Ant 5	DSi7	1	-	19.00	17.83	0.02	0.147	1.000	1.309	0.19
	LTE Band 7	QPSK20M	Rear Face	1cm	21100	1	0	Ant 5	DSi7	1	-	19.00	17.83	-0.08	0.497	1.000	1.309	0.65
	LTE Band 7	QPSK20M	Left Side	1cm	21100	1	0	Ant 5	DSi7	1	-	19.00	17.83	-0.18	0.105	1.000	1.309	0.14
	LTE Band 7	QPSK20M	Right Side	1cm	21100	1	0	Ant 5	DSi7	1	-	19.00	17.83	0.01	0.000	1.000	1.309	0.00
	LTE Band 7	QPSK20M	Top Side	1cm	21100	1	0	Ant 5	DSi7	1	-	19.00	17.83	0.15	0.550	1.000	1.309	0.72
	LTE Band 7	QPSK20M	Front Face	1cm	21100	50	0	Ant 5	DSi7	1	-	18.00	16.77	-0.12	0.198	1.000	1.327	0.26
P48	LTE Band 7	QPSK20M	Rear Face	1cm	21100	50	0	Ant 5	DSi7	1	-	18.00	16.77	-0.17	0.504	1.000	1.327	0.67
	LTE Band 7	QPSK20M	Left Side	1cm	21100	50	0	Ant 5	DSi7	1	-	18.00	16.77	-0.16	0.144	1.000	1.327	0.19
	LTE Band 7	QPSK20M	Right Side	1cm	21100	50	0	Ant 5	DSi7	1	-	18.00	16.77	-0.08	0.000	1.000	1.327	0.00
	LTE Band 7	QPSK20M	Top Side	1cm	21100	50	0	Ant 5	DSi7	1	-	18.00	16.77	0.08	0.601	1.000	1.327	0.80
	LTE Band 7	QPSK20M	Top Side	1cm	20850	50	0	Ant 5	DSi7	1	-	18.00	16.74	0.06	0.544	1.000	1.337	0.73
	LTE Band 7	QPSK20M	Top Side	1cm	21350	50	0	Ant 5	DSi7	1	-	18.00	16.65	-0.19	0.539	1.000	1.365	0.74
	LTE Band 7	QPSK20M	Top Side	1cm	21100	100	0	Ant 5	DSi7	1	-	18.00	16.75	-0.14	0.526	1.000	1.334	0.70
	LTE Band 7 (Sim-Tx)	QPSK20M	Front Face	1cm	21100	1	0	Ant 5	DSi8	1	-	19.00	17.83	0.02	0.147	1.000	1.309	0.19
	LTE Band 7 (Sim-Tx)	QPSK20M	Rear Face	1cm	21100	1	0	Ant 5	DSi8	1	-	19.00	17.83	-0.08	0.497	1.000	1.309	0.65
	LTE Band 7 (Sim-Tx)	QPSK20M	Left Side	1cm	21100	1	0	Ant 5	DSi8	1	-	19.00	17.83	-0.18	0.105	1.000	1.309	0.14
	LTE Band 7 (Sim-Tx)	QPSK20M	Right Side	1cm	21100	1	0	Ant 5	DSi8	1	-	19.00	17.83	0.01	0.000	1.000	1.309	0.00
	LTE Band 7 (Sim-Tx)	QPSK20M	Top Side	1cm	21100	1	0	Ant 5	DSi8	1	-	19.00	17.83	0.15	0.550	1.000	1.309	0.72
	LTE Band 7 (Sim-Tx)	QPSK20M	Front Face	1cm	21100	50	0	Ant 5	DSi8	1	-	18.00	16.77	-0.12	0.198	1.000	1.327	0.26
	LTE Band 7 (Sim-Tx)	QPSK20M	Rear Face	1cm	21100	50	0	Ant 5	DSi8	1	-	18.00	16.77	-0.17	0.504	1.000	1.327	0.67
	LTE Band 7 (Sim-Tx)	QPSK20M	Left Side	1cm	21100	50	0	Ant 5	DSi8	1	-	18.00	16.77	-0.16	0.144	1.000	1.327	0.19
	LTE Band 7 (Sim-Tx)	QPSK20M	Right Side	1cm	21100	50	0	Ant 5	DSi8	1	-	18.00	16.77	-0.08	0.000	1.000	1.327	0.00
	LTE Band 7 (Sim-Tx)	QPSK20M	Top Side	1cm	21100	50	0	Ant 5	DSi8	1	-	18.00	16.77	0.08	0.601	1.000	1.327	0.80
	LTE Band 7 (Sim-Tx)	QPSK20M	Top Side	1cm	20850	50	0	Ant 5	DSi8	1	-	18.00	16.74	0.06	0.544	1.000	1.337	0.73
	LTE Band 7 (Sim-Tx)	QPSK20M	Top Side	1cm	21350	50	0	Ant 5	DSi8	1	-	18.00	16.65	-0.19	0.539	1.000	1.365	0.74
	LTE Band 7 (Sim-Tx)	QPSK20M	Top Side	1cm	21100	100	0	Ant 5	DSi8	1	-	18.00	16.75	-0.14	0.526	1.000	1.334	0.70
	LTE Band 12	QPSK10M	Front Face	1cm	23095	1	24	Ant 2	DSi4	1	-	25.50	24.24	-0.1	0.161	1.000	1.337	0.22
	LTE Band 12	QPSK10M	Rear Face	1cm	23095	1	24	Ant 2	DSi4	1	-	25.50	24.24	0.05	0.211	1.000	1.337	0.28
	LTE Band 12	QPSK10M	Left Side	1cm	23095	1	24	Ant 2	DSi4	1	-	25.50	24.24	0.09	0.233	1.000	1.337	0.31
	LTE Band 12	QPSK10M	Right Side	1cm	23095	1	24	Ant 2	DSi4	1	-	25.50	24.24	-0.01	0.171	1.000	1.337	0.23
	LTE Band 12	QPSK10M	Bottom Side	1cm	23095	1	24	Ant 2	DSi4	1	-	25.50	24.24	-0.09	0.140	1.000	1.337	0.19
P49	LTE Band 12	QPSK10M	Front Face	1cm	23095	25	25	Ant 2	DSi4	1	-	24.50	23.28	0.05	0.128	1.000	1.324	0.17
	LTE Band 12	QPSK10M	Rear Face	1cm	23095	25	25	Ant 2	DSi4	1	-	24.50	23.28	-0.1	0.201	1.000	1.324	0.27
	LTE Band 12	QPSK10M	Left Side	1cm	23095	25	25	Ant 2	DSi4	1	-	24.50	23.28	0.13	0.236	1.000	1.324	0.31
	LTE Band 12	QPSK10M	Right Side	1cm	23095	25	25	Ant 2	DSi4	1	-	24.50	23.28	-0.1	0.141	1.000	1.324	0.19
	LTE Band 12	QPSK10M	Bottom Side	1cm	23095	25	25	Ant 2	DSi4	1	-	24.50	23.28	0.09	0.116	1.000	1.324	0.15
	LTE Band 13	QPSK10M	Front Face	1cm	23230	1	24	Ant 2	DSi4	1	-	25.50	24.12	0.03	0.231	1.000	1.374	0.32
	LTE Band 13	QPSK10M	Rear Face	1cm	23230	1	24	Ant 2	DSi4	1	-	25.50	24.12	0.03	0.311	1.000	1.374	0.43
	LTE Band 13	QPSK10M	Left Side	1cm	23230	1	24	Ant 2	DSi4	1	-	25.50	24.12	0.11	0.167	1.000	1.374	0.23
	LTE Band 13	QPSK10M	Right Side	1cm	23230	1	24	Ant 2	DSi4	1	-	25.50	24.12	-0.16	0.166	1.000	1.374	0.23
	LTE Band 13	QPSK10M	Bottom Side	1cm	23230	1	24	Ant 2	DSi4	1	-	25.50	24.12	0.08	0.178	1.000	1.374	0.25
	LTE Band 13	QPSK10M	Front Face	1cm	23230	25	25	Ant 2	DSi4	1	-	24.50	23.14	0.09	0.213	1.000	1.368	0.29
	LTE Band 13	QPSK10M	Rear Face	1cm	23230	25	25	Ant 2	DSi4	1	-	24.50	23.14	-0.02	0.307	1.000	1.368	0.42
	LTE Band 13	QPSK10M	Left Side	1cm	23230	25	25	Ant 2	DSi4	1	-	24.50	23.14	0.15	0.151	1.000	1.368	0.21
	LTE Band 13	QPSK10M	Right Side	1cm	23230	25	25	Ant 2	DSi4	1	-	24.50	23.14	0.08	0.146	1.000	1.368	0.20
	LTE Band 13	QPSK10M	Bottom Side	1cm	23230	25	25	Ant 2	DSi4	1	-	24.50	23.14	-0.14	0.183	1.000	1.368	0.25
	LTE Band 48	QPSK20M	Front Face	1cm	56640	1	50	Ant 4	DSi7	1	62.9	20.00	19.06	0.08	0.146	1.006	1.242	0.18
P51	LTE Band 48	QPSK20M	Rear Face	1cm	56640	1	50	Ant 4	DSi7	1	62.9	20.00	19.06	0.02	0.686	1.006	1.242	0.86
	LTE Band 48	QPSK20M	Left Side	1cm	56640	1	50	Ant 4	DSi7	1	62.9	20.00	19.06	0.11	0.653	1.006	1.242	0.82
	LTE Band 48	QPSK20M	Top Side	1cm	56640	1	50	Ant 4	DSi7	1	62.9	20.00	19.06	-0.16	0.062	1.006	1.242	0.08
	LTE Band 48	QPSK20M	Front Face	1cm	56640	50	50	Ant 4	DSi7	1	62.9	19.00	18.19	-0.09	0.109	1.006	1.205	0.13
	LTE Band 48	QPSK20M	Rear Face	1cm	56640	50	50	Ant 4	DSi7	1	62.9	19.00	18.19	0.11	0.625	1.006	1.205	0.76
	LTE Band 48	QPSK20M	Left Side	1cm	56640	50	50	Ant 4	DSi7	1	62.9	19.00	18.19	0.17	0.592	1.006	1.205	0.72
	LTE Band 48	QPSK20M	Top Side	1cm	56640	50	50	Ant 4	DSi7	1	62.9	19.00	18.19	0.12	0.048	1.006	1.205	0.06
	LTE Band 48	QPSK20M	Rear Face	1cm	55340	1	50	Ant 4	DSi7	1	62.9	20.00	19.02	-0.16	0.644	1.006	1.253	0.81
	LTE Band 48	QPSK20M	Rear Face	1cm	55830	1	50	Ant 4	DSi7	1	62.9	20.00	18.88	0.13	0.652	1.006	1.294	0.85
	LTE Band 48	QPSK20M	Rear Face	1cm	56150	1	50	Ant 4	DSi7	1	62.9	20.00	18.81	0.02	0.619	1.006	1.315	0.82
	LTE Band 48	QPSK20M	Left Side	1cm	55340	1	50	Ant 4	DSi7	1	62.9	20.00	19.02	-0.1	0.606	1.006	1.253	0.76
	LTE Band 48	QPSK20M	Left Side	1cm	55830	1	50	Ant 4	DSi7	1	62.9	20.00	18.88	0.06	0.603	1.006	1.294	0.79
	LTE Band 48	QPSK20M	Left Side	1cm	56150	1	50	Ant 4	DSi7	1	62.9	20.00	18.81	-0.09	0.614	1.006	1.315	

	LTE Band 48(ENDC)	QPSK20M	Front Face	1cm	56640	1	50	Ant 4	DSI7	1	62.9	20.00	19.06	-0.11	0.146	1.006	1.242	0.18
	LTE Band 48(ENDC)	QPSK20M	Rear Face	1cm	56640	1	50	Ant 4	DSI7	1	62.9	20.00	19.06	0.02	0.686	1.006	1.242	0.86
	LTE Band 48(ENDC)	QPSK20M	Left Side	1cm	56640	1	50	Ant 4	DSI7	1	62.9	20.00	19.06	-0.11	0.653	1.006	1.242	0.82
	LTE Band 48(ENDC)	QPSK20M	Top Side	1cm	56640	1	50	Ant 4	DSI7	1	62.9	20.00	19.06	0.02	0.062	1.006	1.242	0.08
	LTE Band 48(ENDC)	QPSK20M	Front Face	1cm	56640	50	50	Ant 4	DSI7	1	62.9	19.00	18.19	0.09	0.109	1.006	1.205	0.13
	LTE Band 48(ENDC)	QPSK20M	Rear Face	1cm	56640	50	50	Ant 4	DSI7	1	62.9	19.00	18.19	-0.13	0.625	1.006	1.205	0.76
	LTE Band 48(ENDC)	QPSK20M	Left Side	1cm	56640	50	50	Ant 4	DSI7	1	62.9	19.00	18.19	0.16	0.592	1.006	1.205	0.72
	LTE Band 48(ENDC)	QPSK20M	Top Side	1cm	56640	50	50	Ant 4	DSI7	1	62.9	19.00	18.19	-0.1	0.048	1.006	1.205	0.06
	LTE Band 48(ENDC)	QPSK20M	Rear Face	1cm	55340	1	50	Ant 4	DSI7	1	62.9	20.00	19.02	0.05	0.644	1.006	1.253	0.81
	LTE Band 48(ENDC)	QPSK20M	Rear Face	1cm	55830	1	50	Ant 4	DSI7	1	62.9	20.00	18.88	-0.03	0.652	1.006	1.294	0.85
	LTE Band 48(ENDC)	QPSK20M	Rear Face	1cm	56150	1	50	Ant 4	DSI7	1	62.9	20.00	18.81	0.04	0.619	1.006	1.315	0.82
	LTE Band 48(ENDC)	QPSK20M	Left Side	1cm	55340	1	50	Ant 4	DSI7	1	62.9	20.00	19.02	-0.19	0.606	1.006	1.253	0.76
	LTE Band 48(ENDC)	QPSK20M	Left Side	1cm	55830	1	50	Ant 4	DSI7	1	62.9	20.00	18.88	0.14	0.603	1.006	1.294	0.79
	LTE Band 48(ENDC)	QPSK20M	Left Side	1cm	56150	1	50	Ant 4	DSI7	1	62.9	20.00	18.81	-0.16	0.614	1.006	1.315	0.81
	LTE Band 48(ENDC)	QPSK20M	Rear Face	1cm	56640	100	0	Ant 4	DSI7	1	62.9	20.00	18.15	0.18	0.546	1.006	1.531	0.84
	LTE Band 48(ENDC)	QPSK20M	Left Side	1cm	56640	100	0	Ant 4	DSI7	1	62.9	20.00	18.15	0.12	0.553	1.006	1.531	0.85
	LTE Band 48(ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	56640	1	50	Ant 4	DSI8	1	62.9	19.50	18.89	0.13	0.146	1.006	1.151	0.17
	LTE Band 48(ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	56640	1	50	Ant 4	DSI8	1	62.9	19.50	18.89	0.08	0.415	1.006	1.151	0.48
	LTE Band 48(ENDC&Sim-Tx)	QPSK20M	Left Side	1cm	56640	1	50	Ant 4	DSI8	1	62.9	19.50	18.89	0.11	0.439	1.006	1.151	0.51
	LTE Band 48(ENDC&Sim-Tx)	QPSK20M	Top Side	1cm	56640	1	50	Ant 4	DSI8	1	62.9	19.50	18.89	0.17	0.066	1.006	1.151	0.08
	LTE Band 48(ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	56640	50	50	Ant 4	DSI8	1	62.9	18.50	17.99	0.09	0.110	1.006	1.125	0.12
	LTE Band 48(ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	56640	50	50	Ant 4	DSI8	1	62.9	18.50	17.99	0.04	0.372	1.006	1.125	0.42
	LTE Band 48(ENDC&Sim-Tx)	QPSK20M	Left Side	1cm	56640	50	50	Ant 4	DSI8	1	62.9	18.50	17.99	0.1	0.441	1.006	1.125	0.50
	LTE Band 48(ENDC&Sim-Tx)	QPSK20M	Top Side	1cm	56640	50	50	Ant 4	DSI8	1	62.9	18.50	17.99	-0.08	0.062	1.006	1.125	0.07
	LTE Band 66/4	QPSK20M	Front Face	1cm	132322	1	99	Ant 1	DSI7	1	-	20.50	19.67	0.03	0.192	1.000	1.211	0.23
	LTE Band 66/4	QPSK20M	Rear Face	1cm	132322	1	99	Ant 1	DSI7	1	-	20.50	19.67	0.18	0.673	1.000	1.211	0.82
	LTE Band 66/4	QPSK20M	Left Side	1cm	132322	1	99	Ant 1	DSI7	1	-	20.50	19.67	0.01	0.073	1.000	1.211	0.09
	LTE Band 66/4	QPSK20M	Right Side	1cm	132322	1	99	Ant 1	DSI7	1	-	20.50	19.67	0.2	0.110	1.000	1.211	0.13
	LTE Band 66/4	QPSK20M	Bottom Side	1cm	132322	1	99	Ant 1	DSI7	1	-	20.50	19.67	0.1	0.458	1.000	1.211	0.55
	LTE Band 66/4	QPSK20M	Front Face	1cm	132322	50	50	Ant 1	DSI7	1	-	19.50	18.76	-0.04	0.156	1.000	1.186	0.19
	LTE Band 66/4	QPSK20M	Rear Face	1cm	132322	50	50	Ant 1	DSI7	1	-	19.50	18.76	0.1	0.654	1.000	1.186	0.78
	LTE Band 66/4	QPSK20M	Left Side	1cm	132322	50	50	Ant 1	DSI7	1	-	19.50	18.76	-0.14	0.061	1.000	1.186	0.07
	LTE Band 66/4	QPSK20M	Right Side	1cm	132322	50	50	Ant 1	DSI7	1	-	19.50	18.76	0	0.090	1.000	1.186	0.11
	LTE Band 66/4	QPSK20M	Bottom Side	1cm	132322	50	50	Ant 1	DSI7	1	-	19.50	18.76	-0.02	0.364	1.000	1.186	0.43
P52	LTE Band 66/4	QPSK20M	Rear Face	1cm	132072	1	99	Ant 1	DSI7	1	-	20.50	19.65	-0.07	0.676	1.000	1.216	0.82
	LTE Band 66/4	QPSK20M	Rear Face	1cm	132572	1	99	Ant 1	DSI7	1	-	20.50	19.61	0.17	0.583	1.000	1.227	0.71
	LTE Band 66/4	QPSK20M	Rear Face	1cm	132322	100	0	Ant 1	DSI7	1	-	20.50	18.72	0.16	0.495	1.000	1.507	0.75
	LTE Band 66B	QPSK20M	Rear Face	1cm	PCC:132373 SCC:132472	1	49	Ant 1	DSI7	1	-	20.50	19.95	0.11	0.619	1.000	1.135	0.70
	LTE Band 66C	QPSK20M	Rear Face	1cm	PCC:132323 SCC:132521	1	99	Ant 1	DSI7	1	-	20.50	20.00	0.15	0.644	1.000	1.122	0.72
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Front Face	1cm	132322	1	99	Ant 1	DSI8	1	-	20.50	19.67	0.03	0.192	1.000	1.211	0.23
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132322	1	99	Ant 1	DSI8	1	-	20.50	19.67	0.18	0.673	1.000	1.211	0.82
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Left Side	1cm	132322	1	99	Ant 1	DSI8	1	-	20.50	19.67	0.01	0.073	1.000	1.211	0.09
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Right Side	1cm	132322	1	99	Ant 1	DSI8	1	-	20.50	19.67	0.2	0.110	1.000	1.211	0.13
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Bottom Side	1cm	132322	1	99	Ant 1	DSI8	1	-	20.50	19.67	0.1	0.458	1.000	1.211	0.55
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Front Face	1cm	132322	50	50	Ant 1	DSI8	1	-	19.50	18.76	-0.04	0.156	1.000	1.186	0.19
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132322	50	50	Ant 1	DSI8	1	-	19.50	18.76	0.1	0.654	1.000	1.186	0.78
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Left Side	1cm	132322	50	50	Ant 1	DSI8	1	-	19.50	18.76	-0.14	0.061	1.000	1.186	0.07
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Right Side	1cm	132322	50	50	Ant 1	DSI8	1	-	19.50	18.76	0	0.090	1.000	1.186	0.11
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Bottom Side	1cm	132322	50	50	Ant 1	DSI8	1	-	19.50	18.76	-0.02	0.364	1.000	1.186	0.43
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132072	1	99	Ant 1	DSI8	1	-	20.50	19.65	-0.07	0.676	1.000	1.216	0.82
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132572	1	99	Ant 1	DSI8	1	-	20.50	19.61	0.17	0.583	1.000	1.227	0.72
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132322	100	0	Ant 1	DSI8	1	-	20.50	18.72	0.16	0.495	1.000	1.507	0.75
	LTE Band 66/4(ENDC)	QPSK20M	Front Face	1cm	132322	1	99	Ant 1	DSI7	1	-	19.00	18.41	-0.05	0.154	1.000	1.146	0.18
	LTE Band 66/4(ENDC)	QPSK20M	Rear Face	1cm	132322	1	99	Ant 1	DSI7	1	-	19.00	18.41	-0.08	0.366	1.000	1.146	0.42
	LTE Band 66/4(ENDC)	QPSK20M	Left Side	1cm	132322	1	99	Ant 1	DSI7	1	-	19.00	18.41	0.07	0.059	1.000	1.146	0.07
	LTE Band 66/4(ENDC)	QPSK20M	Right Side	1cm	132322	1	99	Ant 1	DSI7	1	-	19.00	18.41	-0.17	0.085	1.000	1.146	0.10
	LTE Band 66/4(ENDC)	QPSK20M	Bottom Side	1cm	132322	1	99	Ant 1	DSI7	1	-	19.00	18.41	0.05	0.347	1.000	1.146	0.40
	LTE Band 66/4(ENDC)	QPSK20M	Front Face	1cm	132322	50	50	Ant 1	DSI7	1	-	18.00	17.46	0.06	0.131	1.000	1.132	0.15
	LTE Band 66/4(ENDC)	QPSK20M	Rear Face	1cm	132322	50	50	Ant 1	DSI7	1	-	18.00	17.46	0.05	0.300	1.000	1.132	0.34
	LTE Band 66/4(ENDC)	QPSK20M	Left Side	1cm	132322	50	50	Ant 1	DSI7	1	-	18.00	17.46	-0.16	0.049	1.000	1.132	0.06
	LTE Band 66/4(ENDC)	QPSK20M	Right Side	1cm	132322	50	50	Ant 1	DSI7	1	-	18.00	17.46	0.12	0.072	1.000	1.132	0.08
	LTE Band 66/4(ENDC)	QPSK20M	Bottom Side	1cm	132322	50	50	Ant 1	DSI7	1	-	18.00	17.46	0.09	0.283	1.000	1.132	0.32
	LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	132322	1	99	Ant 1	DSI8	1	-	19.00	18.41	-0.05	0.154	1.000	1.146	0.18
	LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	132322	1	99	Ant 1	DSI8	1	-	19.00	18.41	-0.08	0.366	1.000	1.146	0.42
	LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Left Side	1cm	132322	1	99	Ant 1	DSI8	1	-	19.00	18.41	0.07	0.059	1.000	1.146	0.07
	LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Right Side	1cm	132322	1	99	Ant 1	DSI8	1	-	19.00	18.41	-0.17	0.085	1.000	1.146	0.10
	LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Bottom Side	1cm	132322	1	99	Ant 1	DSI8	1	-	19.00	18.41	0.05	0.347	1.000	1.146	0.40
	LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	132322	50	50	Ant 1	DSI8	1	-	18.00	17.46	0.06	0.131	1.000	1.132	0.15
	LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	132322	50	50	Ant 1	DSI8	1	-	18.00	17.46	0.05	0.300	1.000	1.132	0.34
	LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Left Side	1cm	132322	50	50	Ant 1	DSI8	1	-	18.00	17.46	-0.16	0.049	1.000	1.132	0.06
	LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Right Side	1cm	132322	50	50											

	FR1 n2	DFT-15kHz-QPSK20M	Front Face	1cm	372000	1	1	Ant 1	DSI7	1	-	21.50	20.83	-0.06	0.244	1.000	1.167	0.29
	FR1 n2	DFT-15kHz-QPSK20M	Rear Face	1cm	372000	1	1	Ant 1	DSI7	1	-	21.50	20.83	-0.15	0.598	1.000	1.167	0.70
	FR1 n2	DFT-15kHz-QPSK20M	Left Side	1cm	372000	1	1	Ant 1	DSI7	1	-	21.50	20.83	-0.13	0.094	1.000	1.167	0.11
	FR1 n2	DFT-15kHz-QPSK20M	Right Side	1cm	372000	1	1	Ant 1	DSI7	1	-	21.50	20.83	0.02	0.227	1.000	1.167	0.27
P53	FR1 n2	DFT-15kHz-QPSK20M	Bottom Side	1cm	372000	1	1	Ant 1	DSI7	1	-	21.50	20.83	0.01	0.693	1.000	1.167	0.81
	FR1 n2	DFT-15kHz-QPSK20M	Front Face	1cm	372000	50	28	Ant 1	DSI7	1	-	21.50	20.80	0.05	0.299	1.000	1.175	0.35
	FR1 n2	DFT-15kHz-QPSK20M	Rear Face	1cm	372000	50	28	Ant 1	DSI7	1	-	21.50	20.80	-0.14	0.674	1.000	1.175	0.79
	FR1 n2	DFT-15kHz-QPSK20M	Left Side	1cm	372000	50	28	Ant 1	DSI7	1	-	21.50	20.80	0.03	0.089	1.000	1.175	0.11
	FR1 n2	DFT-15kHz-QPSK20M	Right Side	1cm	372000	50	28	Ant 1	DSI7	1	-	21.50	20.80	0.03	0.249	1.000	1.175	0.29
	FR1 n2	DFT-15kHz-QPSK20M	Bottom Side	1cm	372000	50	28	Ant 1	DSI7	1	-	21.50	20.80	0.03	0.623	1.000	1.175	0.73
	FR1 n2	DFT-15kHz-QPSK20M	Bottom Side	1cm	376000	1	1	Ant 1	DSI7	1	-	21.50	20.71	-0.12	0.651	1.000	1.199	0.78
	FR1 n2	DFT-15kHz-QPSK20M	Bottom Side	1cm	380000	1	1	Ant 1	DSI7	1	-	21.50	20.72	-0.16	0.663	1.000	1.197	0.79
	FR1 n2	DFT-15kHz-QPSK20M	Rear Face	1cm	376000	100	0	Ant 1	DSI7	1	-	20.50	20.18	0.06	0.601	1.000	1.076	0.65
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Front Face	1cm	372000	1	1	Ant 1	DSI8	1	-	21.50	20.83	-0.06	0.244	1.000	1.167	0.29
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	1cm	372000	1	1	Ant 1	DSI8	1	-	21.50	20.83	-0.15	0.598	1.000	1.167	0.70
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Left Side	1cm	372000	1	1	Ant 1	DSI8	1	-	21.50	20.83	-0.13	0.094	1.000	1.167	0.11
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Right Side	1cm	372000	1	1	Ant 1	DSI8	1	-	21.50	20.83	0.02	0.227	1.000	1.167	0.27
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Bottom Side	1cm	372000	1	1	Ant 1	DSI8	1	-	21.50	20.83	0.01	0.693	1.000	1.167	0.81
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Front Face	1cm	372000	50	28	Ant 1	DSI8	1	-	21.50	20.80	0.05	0.299	1.000	1.175	0.35
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	1cm	372000	50	28	Ant 1	DSI8	1	-	21.50	20.80	-0.14	0.674	1.000	1.175	0.79
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Left Side	1cm	372000	50	28	Ant 1	DSI8	1	-	21.50	20.80	0.03	0.089	1.000	1.175	0.11
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Right Side	1cm	372000	50	28	Ant 1	DSI8	1	-	21.50	20.80	0.03	0.249	1.000	1.175	0.29
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Bottom Side	1cm	372000	50	28	Ant 1	DSI8	1	-	21.50	20.80	0.03	0.623	1.000	1.175	0.73
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Bottom Side	1cm	376000	1	1	Ant 1	DSI8	1	-	21.50	20.71	-0.12	0.651	1.000	1.199	0.78
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Bottom Side	1cm	380000	1	1	Ant 1	DSI8	1	-	21.50	20.72	-0.16	0.663	1.000	1.197	0.79
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	1cm	376000	100	0	Ant 1	DSI8	1	-	20.50	20.18	0.06	0.601	1.000	1.076	0.65
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Front Face	1cm	372000	1	1	Ant 5	DSI7	1	-	19.00	18.45	0.02	0.275	1.000	1.135	0.31
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Rear Face	1cm	372000	1	1	Ant 5	DSI7	1	-	19.00	18.45	-0.06	0.439	1.000	1.135	0.50
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Left Side	1cm	372000	1	1	Ant 5	DSI7	1	-	19.00	18.45	0	0.060	1.000	1.135	0.07
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Side	1cm	372000	1	1	Ant 5	DSI7	1	-	19.00	18.45	0.1	0.048	1.000	1.135	0.05
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Top Side	1cm	372000	1	1	Ant 5	DSI7	1	-	19.00	18.45	-0.14	0.615	1.000	1.135	0.70
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Front Face	1cm	372000	50	28	Ant 5	DSI7	1	-	19.00	18.39	0.07	0.263	1.000	1.151	0.30
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Rear Face	1cm	372000	50	28	Ant 5	DSI7	1	-	19.00	18.39	0.09	0.460	1.000	1.151	0.53
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Left Side	1cm	372000	50	28	Ant 5	DSI7	1	-	19.00	18.39	-0.09	0.058	1.000	1.151	0.07
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Side	1cm	372000	50	28	Ant 5	DSI7	1	-	19.00	18.39	0.14	0.051	1.000	1.151	0.06
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Top Side	1cm	372000	50	28	Ant 5	DSI7	1	-	19.00	18.39	-0.11	0.623	1.000	1.151	0.72
	FR1 n2(ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Front Face	1cm	372000	1	1	Ant 5	DSI8	1	-	18.00	17.41	0.05	0.242	1.000	1.146	0.28
	FR1 n2(ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	1cm	372000	1	1	Ant 5	DSI8	1	-	18.00	17.41	0.04	0.409	1.000	1.146	0.47
	FR1 n2(ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Left Side	1cm	372000	1	1	Ant 5	DSI8	1	-	18.00	17.41	0.04	0.043	1.000	1.146	0.05
	FR1 n2(ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Right Side	1cm	372000	1	1	Ant 5	DSI8	1	-	18.00	17.41	-0.16	0.045	1.000	1.146	0.05
	FR1 n2(ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Top Side	1cm	372000	1	1	Ant 5	DSI8	1	-	18.00	17.41	0.13	0.500	1.000	1.146	0.57
	FR1 n2(ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Front Face	1cm	372000	50	28	Ant 5	DSI8	1	-	18.00	17.33	-0.08	0.282	1.000	1.167	0.33
	FR1 n2(ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	1cm	372000	50	28	Ant 5	DSI8	1	-	18.00	17.33	-0.02	0.435	1.000	1.167	0.51
	FR1 n2(ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Left Side	1cm	372000	50	28	Ant 5	DSI8	1	-	18.00	17.33	-0.07	0.045	1.000	1.167	0.05
	FR1 n2(ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Right Side	1cm	372000	50	28	Ant 5	DSI8	1	-	18.00	17.33	0.06	0.043	1.000	1.167	0.05
	FR1 n2(ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Top Side	1cm	372000	50	28	Ant 5	DSI8	1	-	18.00	17.33	-0.09	0.516	1.000	1.167	0.90
	FR1 n5	DFT-15kHz-QPSK20M	Front Face	1cm	167300	1	1	Ant 2	DSI4	1	-	24.50	23.64	0.11	0.247	1.000	1.219	0.30
	FR1 n5	DFT-15kHz-QPSK20M	Rear Face	1cm	167300	1	1	Ant 2	DSI4	1	-	24.50	23.64	-0.11	0.365	1.000	1.219	0.45
	FR1 n5	DFT-15kHz-QPSK20M	Left Side	1cm	167300	1	1	Ant 2	DSI4	1	-	24.50	23.64	0.04	0.191	1.000	1.219	0.23
	FR1 n5	DFT-15kHz-QPSK20M	Right Side	1cm	167300	1	1	Ant 2	DSI4	1	-	24.50	23.64	-0.18	0.150	1.000	1.219	0.18
	FR1 n5	DFT-15kHz-QPSK20M	Bottom Side	1cm	167300	1	1	Ant 2	DSI4	1	-	24.50	23.64	0.06	0.206	1.000	1.219	0.25
P54	FR1 n5	DFT-15kHz-QPSK20M	Front Face	1cm	167300	50	56	Ant 2	DSI4	1	-	24.50	23.61	0.07	0.268	1.000	1.227	0.33
	FR1 n5	DFT-15kHz-QPSK20M	Rear Face	1cm	167300	50	56	Ant 2	DSI4	1	-	24.50	23.61	0.07	0.410	1.000	1.227	0.50
	FR1 n5	DFT-15kHz-QPSK20M	Left Side	1cm	167300	50	56	Ant 2	DSI4	1	-	24.50	23.61	0.12	0.157	1.000	1.227	0.19
	FR1 n5	DFT-15kHz-QPSK20M	Right Side	1cm	167300	50	56	Ant 2	DSI4	1	-	24.50	23.61	0.12	0.141	1.000	1.227	0.17
	FR1 n5	DFT-15kHz-QPSK20M	Bottom Side	1cm	167300	50	56	Ant 2	DSI4	1	-	24.50	23.61	0.05	0.205	1.000	1.227	0.25
	FR1 n48	DFT-30kHz-QPSK40M	Front Face	1cm	645332	1	1	Ant 4	DSI7	1	62.9	17.00	16.83	0.19	0.208	1.006	1.040	0.22
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	1	1	Ant 4	DSI7	1	62.9	17.00	16.83	-0.06	0.483	1.006	1.040	0.51
	FR1 n48	DFT-30kHz-QPSK40M	Left Side	1cm	645332	1	1	Ant 4	DSI7	1	62.9	17.00	16.83	-0.02	0.609	1.006	1.040	0.84
	FR1 n48	DFT-30kHz-QPSK40M	Right Side	1cm	645332	1	1	Ant 4	DSI7	1	62.9	17.00	16.83	-0.04	0.156	1.006	1.040	0.16
	FR1 n48	DFT-30kHz-QPSK40M	Top Side	1cm	645332	1	1	Ant 4	DSI7	1	62.9	17.00	16.83	-0.06	0.179	1.006	1.040	0.19
	FR1 n48	DFT-30kHz-QPSK40M	Front Face	1cm	645332	50	0	Ant 4	DSI7	1	62.9	17.00	16.72	-0.14	0.301	1.006	1.067	0.32
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	50	0	Ant 4	DSI7	1	62.9	17.00	16.72	0.02	0.433	1.006	1.067	0.47
	FR1 n48	DFT-30kHz-QPSK40M	Left Side	1cm	645332	50	0	Ant 4	DSI7	1	62.9	17.00	16.72	0.04	0.578	1.006	1.067	0.62
	FR1 n48	DFT-30kHz-QPSK40M	Right Side	1cm	645332	50	0	Ant 4	DSI7	1	62.9	17.00	16.72	-0.17	0.119	1.006	1.067	0.13
	FR1 n48	DFT-30kHz-QPSK40M	Top Side	1cm	645332	50	0	Ant 4	DSI7	1	62.9	17.00	16.72	0.05	0.170	1.006	1.067	0.18
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Front Face	1cm	645332	1	1	Ant 4	DSI8	1	62.9	17.00	16.83	0.19	0.208	1.006	1.040	0.22
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	1	1	Ant 4	DSI8	1	62.9	17.00	16.83	-0.06	0.483	1.006	1.040	0.51
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Left Side	1cm	645332	1	1	Ant 4	DSI8	1	62.9	17.00	16.83	-0.02	0.609	1.006	1.040	0.84
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Right Side	1cm	645332	1	1	Ant 4	DSI8	1	62.9	17.00	16.83	-0.04	0.156	1.006	1.040	0.16
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Top Side	1cm	645332	1	1	Ant 4	DSI8	1	62.9	17.00	16.83	-0.06	0.179	1.006	1.040	0.19
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Front Face	1cm	645332	50	0	Ant 4	DSI8	1	62.9	17.00	16.72	-0.14	0.301	1.006	1.067	0.32
	FR1 n48 (Sim-Tx)	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	50	0											

	FR1 n48	DFT-30kHz-QPSK40M	Front Face	1cm	645332	1	1	Ant 8	DSI7	1	62.9	21.00	20.78	0.05	0.161	1.006	1.052	0.17
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	1	1	Ant 8	DSI7	1	62.9	21.00	20.78	-0.03	0.533	1.006	1.052	0.56
	FR1 n48	DFT-30kHz-QPSK40M	Left Side	1cm	645332	1	1	Ant 8	DSI7	1	62.9	21.00	20.78	0	0	1.006	1.052	0.00
	FR1 n48	DFT-30kHz-QPSK40M	Right Side	1cm	645332	1	1	Ant 8	DSI7	1	62.9	21.00	20.78	-0.19	0.88	1.006	1.052	0.93
	FR1 n48	DFT-30kHz-QPSK40M	Top Side	1cm	645332	1	1	Ant 8	DSI7	1	62.9	21.00	20.78	0.14	0.135	1.006	1.052	0.14
	FR1 n48	DFT-30kHz-QPSK40M	Front Face	1cm	645332	50	0	Ant 8	DSI7	1	62.9	21.00	20.67	-0.16	0.162	1.006	1.079	0.18
	FR1 n48	DFT-30kHz-QPSK40M	Rear Face	1cm	645332	50	0	Ant 8	DSI7	1	62.9	21.00	20.67	0.18	0.519	1.006	1.079	0.56
	FR1 n48	DFT-30kHz-QPSK40M	Left Side	1cm	645332	50	0	Ant 8	DSI7	1	62.9	21.00	20.67	0	0	1.006	1.079	0.00
	FR1 n48	DFT-30kHz-QPSK40M	Right Side	1cm	645332	50	0	Ant 8	DSI7	1	62.9	21.00	20.67	-0.11	0.825	1.006	1.079	0.90
	FR1 n48	DFT-30kHz-QPSK40M	Top Side	1cm	645332	50	0	Ant 8	DSI7	1	62.9	21.00	20.67	-0.08	0.116	1.006	1.079	0.13
	FR1 n48	DFT-30kHz-QPSK40M	Right Side	1cm	638000	1	1	Ant 8	DSI7	1	62.9	21.00	20.35	0.13	0.703	1.006	1.161	0.82
	FR1 n48	DFT-30kHz-QPSK40M	Right Side	1cm	641666	1	1	Ant 8	DSI7	1	62.9	21.00	20.71	0.08	0.753	1.006	1.069	0.81
	FR1 n48	DFT-30kHz-QPSK40M	Right Side	1cm	638000	50	0	Ant 8	DSI7	1	62.9	21.00	20.29	0.11	0.681	1.006	1.178	0.81
	FR1 n48	DFT-30kHz-QPSK40M	Right Side	1cm	641666	50	0	Ant 8	DSI7	1	62.9	21.00	20.60	0.17	0.723	1.006	1.096	0.80
	FR1 n48	DFT-30kHz-QPSK40M	Right Side	1cm	645332	100	0	Ant 8	DSI7	1	62.9	21.00	20.57	0.09	0.699	1.006	1.104	0.78
	FR1 n66	DFT-15kHz-QPSK40M	Front Face	1cm	349000	1	1	Ant 1	DSI7	1	-	20.00	19.27	0.17	0.226	1.000	1.183	0.27
	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	1	1	Ant 1	DSI7	1	-	20.00	19.27	0.03	0.618	1.000	1.183	0.73
	FR1 n66	DFT-15kHz-QPSK40M	Left Side	1cm	349000	1	1	Ant 1	DSI7	1	-	20.00	19.27	0.04	0.080	1.000	1.183	0.10
	FR1 n66	DFT-15kHz-QPSK40M	Right Side	1cm	349000	1	1	Ant 1	DSI7	1	-	20.00	19.27	0.11	0.109	1.000	1.183	0.13
	FR1 n66	DFT-15kHz-QPSK40M	Bottom Side	1cm	349000	1	1	Ant 1	DSI7	1	-	20.00	19.27	0.02	0.448	1.000	1.183	0.53
	FR1 n66	DFT-15kHz-QPSK40M	Front Face	1cm	349000	108	54	Ant 1	DSI7	1	-	20.00	19.11	0.04	0.203	1.000	1.227	0.25
	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	108	54	Ant 1	DSI7	1	-	20.00	19.11	-0.11	0.656	1.000	1.227	0.81
	FR1 n66	DFT-15kHz-QPSK40M	Left Side	1cm	349000	108	54	Ant 1	DSI7	1	-	20.00	19.11	-0.1	0.082	1.000	1.227	0.10
	FR1 n66	DFT-15kHz-QPSK40M	Right Side	1cm	349000	108	54	Ant 1	DSI7	1	-	20.00	19.11	-0.1	0.114	1.000	1.227	0.14
	FR1 n66	DFT-15kHz-QPSK40M	Bottom Side	1cm	349000	108	54	Ant 1	DSI7	1	-	20.00	19.11	0	0.465	1.000	1.227	0.57
P56	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	1cm	346000	108	54	Ant 1	DSI7	1	-	20.00	18.92	-0.09	0.634	1.000	1.282	0.51
	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	1cm	352000	108	54	Ant 1	DSI7	1	-	20.00	18.94	-0.12	0.574	1.000	1.276	0.73
	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	216	0	Ant 1	DSI7	1	-	19.00	18.23	-0.16	0.521	1.000	1.194	0.62
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Front Face	1cm	349000	1	1	Ant 1	DSI8	1	-	20.00	19.27	0.17	0.226	1.000	1.183	0.27
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	1	1	Ant 1	DSI8	1	-	20.00	19.27	0.03	0.618	1.000	1.183	0.73
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Left Side	1cm	349000	1	1	Ant 1	DSI8	1	-	20.00	19.27	0.04	0.080	1.000	1.183	0.10
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Right Side	1cm	349000	1	1	Ant 1	DSI8	1	-	20.00	19.27	0.11	0.109	1.000	1.183	0.13
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Bottom Side	1cm	349000	1	1	Ant 1	DSI8	1	-	20.00	19.27	0.02	0.448	1.000	1.183	0.53
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Front Face	1cm	349000	108	54	Ant 1	DSI8	1	-	20.00	19.11	0.04	0.203	1.000	1.227	0.25
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	108	54	Ant 1	DSI8	1	-	20.00	19.11	-0.11	0.656	1.000	1.227	0.81
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Left Side	1cm	349000	108	54	Ant 1	DSI8	1	-	20.00	19.11	-0.1	0.082	1.000	1.227	0.10
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Right Side	1cm	349000	108	54	Ant 1	DSI8	1	-	20.00	19.11	-0.1	0.114	1.000	1.227	0.14
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Bottom Side	1cm	349000	108	54	Ant 1	DSI8	1	-	20.00	19.11	0	0.465	1.000	1.227	0.57
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	346000	108	54	Ant 1	DSI8	1	-	20.00	18.92	-0.09	0.634	1.000	1.282	0.51
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	352000	108	54	Ant 1	DSI8	1	-	20.00	18.94	-0.12	0.574	1.000	1.276	0.73
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	216	0	Ant 1	DSI8	1	-	19.00	18.23	-0.16	0.521	1.000	1.194	0.62
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Front Face	1cm	349000	1	1	Ant 5	DSI7	1	-	20.50	19.40	0.08	0.140	1.000	1.288	0.18
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	1	1	Ant 5	DSI7	1	-	20.50	19.40	0.13	0.204	1.000	1.288	0.26
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Left Side	1cm	349000	1	1	Ant 5	DSI7	1	-	20.50	19.40	0.14	0.042	1.000	1.288	0.05
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Right Side	1cm	349000	1	1	Ant 5	DSI7	1	-	20.50	19.40	-0.14	0.023	1.000	1.288	0.03
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Top Side	1cm	349000	1	1	Ant 5	DSI7	1	-	20.50	19.40	-0.17	0.301	1.000	1.288	0.39
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Front Face	1cm	349000	108	54	Ant 5	DSI7	1	-	20.50	19.28	0.19	0.143	1.000	1.324	0.19
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	108	54	Ant 5	DSI7	1	-	20.50	19.28	0.07	0.194	1.000	1.324	0.26
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Left Side	1cm	349000	108	54	Ant 5	DSI7	1	-	20.50	19.28	-0.06	0.051	1.000	1.324	0.07
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Right Side	1cm	349000	108	54	Ant 5	DSI7	1	-	20.50	19.28	-0.01	0.033	1.000	1.324	0.04
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Top Side	1cm	349000	108	54	Ant 5	DSI7	1	-	20.50	19.28	0.17	0.318	1.000	1.324	0.42
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Front Face	1cm	349000	1	1	Ant 5	DSI8	1	-	19.50	18.39	-0.17	0.175	1.000	1.291	0.23
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	1	1	Ant 5	DSI8	1	-	19.50	18.39	0.17	0.240	1.000	1.291	0.31
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Left Side	1cm	349000	1	1	Ant 5	DSI8	1	-	19.50	18.39	0.18	0.000	1.000	1.291	0.00
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Right Side	1cm	349000	1	1	Ant 5	DSI8	1	-	19.50	18.39	0.03	0.000	1.000	1.291	0.00
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Top Side	1cm	349000	1	1	Ant 5	DSI8	1	-	19.50	18.39	0.13	0.314	1.000	1.291	0.41
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Front Face	1cm	349000	108	54	Ant 5	DSI8	1	-	19.50	18.18	-0.15	0.153	1.000	1.355	0.21
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	108	54	Ant 5	DSI8	1	-	19.50	18.18	0.05	0.209	1.000	1.355	0.28
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Left Side	1cm	349000	108	54	Ant 5	DSI8	1	-	19.50	18.18	-0.19	0.000	1.000	1.355	0.00
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Right Side	1cm	349000	108	54	Ant 5	DSI8	1	-	19.50	18.18	0	0.000	1.000	1.355	0.00
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Top Side	1cm	349000	108	54	Ant 5	DSI8	1	-	19.50	18.18	0	0.284	1.000	1.355	0.39
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 4	DSI7	1	-	18.00	16.77	-0.01	0.149	1.000	1.327	0.20
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSI7	1	-	18.00	16.77	0.05	0.397	1.000	1.327	0.53
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	633334	1	1	Ant 4	DSI7	1	-	18.00	16.77	0.04	0.401	1.000	1.327	0.53
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	633334	1	1	Ant 4	DSI7	1	-	18.00	16.77	-0.06	0.034	1.000	1.327	0.05
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	633334	1	1	Ant 4	DSI7	1	-	18.00	16.77	0.15	0.116	1.000	1.327	0.15
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	138	Ant 4	DSI7	1	-	18.00	16.69	0.17	0.177	1.000	1.352	0.24
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	138	Ant 4	DSI7	1	-	18.00	16.69	0.06	0.452	1.000	1.352	0.61
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	633334	135	138	Ant 4	DSI7	1	-	18.00	16.69	-0.06	0.398	1.000	1.352	0.54
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	633334	135	138	Ant 4	DSI7	1	-	18.00	16.69	0.05				

	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 4	DSI7	1	-	15.00	13.82	0.19	0.073	1.000	1.312	0.10
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSI7	1	-	15.00	13.82	-0.01	0.148	1.000	1.312	0.19
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Side	1cm	633334	1	1	Ant 4	DSI7	1	-	15.00	13.82	0.13	0.182	1.000	1.312	0.24
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Side	1cm	633334	1	1	Ant 4	DSI7	1	-	15.00	13.82	-0.02	0.066	1.000	1.312	0.09
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Top Side	1cm	633334	1	1	Ant 4	DSI7	1	-	15.00	13.82	0.11	0.100	1.000	1.312	0.13
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	138	Ant 4	DSI7	1	-	15.00	13.68	0.12	0.074	1.000	1.355	0.10
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	138	Ant 4	DSI7	1	-	15.00	13.68	-0.08	0.198	1.000	1.355	0.27
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Side	1cm	633334	135	138	Ant 4	DSI7	1	-	15.00	13.68	-0.16	0.186	1.000	1.355	0.25
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Side	1cm	633334	135	138	Ant 4	DSI7	1	-	15.00	13.68	-0.03	0.061	1.000	1.355	0.08
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Top Side	1cm	633334	135	138	Ant 4	DSI7	1	-	15.00	13.68	0.05	0.054	1.000	1.355	0.07
	FR1 n77 PC2 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	138	Ant 4	DSI7	1	-	17.00	15.53	-0.03	0.195	1.000	1.403	0.27
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	1	1	Ant 4	DSI7	1	-	15.00	14.62	0.16	0.163	1.000	1.091	0.18
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 4	DSI7	1	-	15.00	14.62	0	0.279	1.000	1.091	0.31
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Side	1cm	662000	1	1	Ant 4	DSI7	1	-	15.00	14.62	-0.19	0.442	1.000	1.091	0.48
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Side	1cm	662000	1	1	Ant 4	DSI7	1	-	15.00	14.62	-0.05	0.103	1.000	1.091	0.11
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Top Side	1cm	662000	1	1	Ant 4	DSI7	1	-	15.00	14.62	-0.16	0.106	1.000	1.091	0.12
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	135	138	Ant 4	DSI7	1	-	15.00	14.41	0.19	0.167	1.000	1.146	0.19
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	138	Ant 4	DSI7	1	-	15.00	14.41	0.19	0.302	1.000	1.146	0.35
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Side	1cm	662000	135	138	Ant 4	DSI7	1	-	15.00	14.41	-0.13	0.360	1.000	1.146	0.41
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Side	1cm	662000	135	138	Ant 4	DSI7	1	-	15.00	14.41	0.12	0.043	1.000	1.146	0.05
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Top Side	1cm	662000	135	138	Ant 4	DSI7	1	-	15.00	14.41	0.2	0.037	1.000	1.146	0.04
	FR1 n77 PC2 (ENDC)	DFT-30kHz-QPSK100M	Left Side	1cm	662000	1	1	Ant 4	DSI7	1	-	18.00	17.57	-0.19	0.334	1.000	1.104	0.37
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 4	DSI8	1	-	15.00	13.82	0.19	0.073	1.000	1.312	0.10
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSI8	1	-	15.00	13.82	-0.01	0.148	1.000	1.312	0.19
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	633334	1	1	Ant 4	DSI8	1	-	15.00	13.82	0.13	0.182	1.000	1.312	0.24
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	633334	1	1	Ant 4	DSI8	1	-	15.00	13.82	-0.02	0.066	1.000	1.312	0.09
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	633334	1	1	Ant 4	DSI8	1	-	15.00	13.82	0.11	0.100	1.000	1.312	0.13
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	138	Ant 4	DSI8	1	-	15.00	13.68	0.12	0.074	1.000	1.355	0.10
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	138	Ant 4	DSI8	1	-	15.00	13.68	-0.08	0.198	1.000	1.355	0.27
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	633334	135	138	Ant 4	DSI8	1	-	15.00	13.68	-0.16	0.186	1.000	1.355	0.25
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	633334	135	138	Ant 4	DSI8	1	-	15.00	13.68	-0.03	0.061	1.000	1.355	0.08
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	633334	135	138	Ant 4	DSI8	1	-	15.00	13.68	0.05	0.054	1.000	1.355	0.07
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	1	1	Ant 4	DSI8	1	-	15.00	14.62	0.16	0.163	1.000	1.091	0.18
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 4	DSI8	1	-	15.00	14.62	0	0.279	1.000	1.091	0.31
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	662000	1	1	Ant 4	DSI8	1	-	15.00	14.62	-0.19	0.442	1.000	1.091	0.48
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	662000	1	1	Ant 4	DSI8	1	-	15.00	14.62	-0.05	0.103	1.000	1.091	0.11
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	662000	1	1	Ant 4	DSI8	1	-	15.00	14.62	-0.16	0.106	1.000	1.091	0.12
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	135	138	Ant 4	DSI8	1	-	15.00	14.41	0.19	0.167	1.000	1.146	0.19
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	138	Ant 4	DSI8	1	-	15.00	14.41	0.19	0.302	1.000	1.146	0.35
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	662000	135	138	Ant 4	DSI8	1	-	15.00	14.41	-0.13	0.360	1.000	1.146	0.41
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	662000	135	138	Ant 4	DSI8	1	-	15.00	14.41	0.12	0.043	1.000	1.146	0.05
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	662000	135	138	Ant 4	DSI8	1	-	15.00	14.41	0.2	0.037	1.000	1.146	0.04
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 3	DSI7	1	-	21.50	20.28	0.09	0.158	1.000	1.324	0.21
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 3	DSI7	1	-	21.50	20.28	-0.05	0.522	1.000	1.324	0.69
P57	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	633334	1	1	Ant 3	DSI7	1	-	21.50	20.28	0.01	0.761	1.000	1.324	1.01
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	633334	1	1	Ant 3	DSI7	1	-	21.50	20.28	0.16	0.056	1.000	1.324	0.07
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	633334	1	1	Ant 3	DSI7	1	-	21.50	20.28	0.07	0.172	1.000	1.324	0.23
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 3	DSI7	1	-	21.50	20.16	0.12	0.180	1.000	1.361	0.25
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 3	DSI7	1	-	21.50	20.16	-0.04	0.472	1.000	1.361	0.64
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	633334	135	69	Ant 3	DSI7	1	-	21.50	20.16	0.12	0.650	1.000	1.361	0.89
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	633334	135	69	Ant 3	DSI7	1	-	21.50	20.16	0.02	0.000	1.000	1.361	0.00
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	633334	135	69	Ant 3	DSI7	1	-	21.50	20.16	-0.04	0.181	1.000	1.361	0.25
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	633334	270	0	Ant 3	DSI7	1	-	21.50	20.11	-0.19	0.699	1.000	1.377	0.96
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	662000	1	1	Ant 3	DSI7	1	-	21.50	20.79	-0.17	0.147	1.000	1.178	0.17
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 3	DSI7	1	-	21.50	20.79	0.01	0.715	1.000	1.178	0.84
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	662000	1	1	Ant 3	DSI7	1	-	21.50	20.79	0.17	0.620	1.000	1.178	0.73
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	662000	1	1	Ant 3	DSI7	1	-	21.50	20.79	0.17	0.000	1.000	1.178	0.00
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	662000	1	1	Ant 3	DSI7	1	-	21.50	20.79	-0.08	0.165	1.000	1.178	0.19
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	662000	135	69	Ant 3	DSI7	1	-	21.50	20.69	-0.03	0.162	1.000	1.205	0.20
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	69	Ant 3	DSI7	1	-	21.50	20.69	-0.05	0.767	1.000	1.205	0.92
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	662000	135	69	Ant 3	DSI7	1	-	21.50	20.69	-0.07	0.694	1.000	1.205	0.84
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	662000	135	69	Ant 3	DSI7	1	-	21.50	20.69	-0.04	0.062	1.000	1.205	0.08
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	662000	135	69	Ant 3	DSI7	1	-	21.50	20.69	-0.03	0.152	1.000	1.205	0.18
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	650000	1	1	Ant 3	DSI7	1	-	21.50	20.24	0.09	0.570	1.000	1.337	0.76
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	656000	1	1	Ant 3	DSI7	1	-	21.50	20.75	0.14	0.618	1.000	1.189	0.73
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	650000	135	69	Ant 3	DSI7	1	-	21.50	20.24	0.12	0.546	1.000	1.337	0.73
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	656000	135	69	Ant 3	DSI7	1	-	21.50	20.53	-0.14	0.691	1.000	1.250	0.86
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	650000	135	69	Ant 3	DSI7	1	-	21.50	20.24	0.12	0.590	1.000	1.337	0.79
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	656000	135	69	Ant 3	DSI7	1	-	21.50	20.53	-0.1				

	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 6	DSi8	1	-	21.00	20.54	0.07	0.237	1.000	1.112	0.26
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 6	DSi8	1	-	21.00	20.54	0.13	0.562	1.000	1.112	0.63
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	633334	1	1	Ant 6	DSi8	1	-	21.00	20.54	-0.06	0.121	1.000	1.112	0.14
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	633334	1	1	Ant 6	DSi8	1	-	21.00	20.54	0.11	0.200	1.000	1.112	0.22
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	633334	1	1	Ant 6	DSi8	1	-	21.00	20.54	0.09	0.529	1.000	1.112	0.59
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 6	DSi8	1	-	21.00	20.36	-0.1	0.256	1.000	1.159	0.30
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 6	DSi8	1	-	21.00	20.36	-0.18	0.635	1.000	1.159	0.74
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	633334	135	69	Ant 6	DSi8	1	-	21.00	20.36	-0.05	0.126	1.000	1.159	0.15
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	633334	135	69	Ant 6	DSi8	1	-	21.00	20.36	0.16	0.247	1.000	1.159	0.29
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	633334	135	69	Ant 6	DSi8	1	-	21.00	20.36	-0.02	0.593	1.000	1.159	0.69
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	270	0	Ant 6	DSi8	1	-	21.00	20.32	0.12	0.673	1.000	1.169	0.79
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	650000	1	1	Ant 6	DSi8	1	-	21.00	20.34	-0.09	0.262	1.000	1.164	0.31
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	650000	1	1	Ant 6	DSi8	1	-	21.00	20.34	-0.13	0.484	1.000	1.164	0.56
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	650000	1	1	Ant 6	DSi8	1	-	21.00	20.34	0.11	0.095	1.000	1.164	0.11
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	650000	1	1	Ant 6	DSi8	1	-	21.00	20.34	0.06	0.359	1.000	1.164	0.42
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	650000	1	1	Ant 6	DSi8	1	-	21.00	20.34	-0.1	0.340	1.000	1.164	0.40
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	650000	135	69	Ant 6	DSi8	1	-	21.00	20.08	0.15	0.161	1.000	1.236	0.20
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	650000	135	69	Ant 6	DSi8	1	-	21.00	20.08	0	0.309	1.000	1.236	0.38
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	650000	135	69	Ant 6	DSi8	1	-	21.00	20.08	-0.1	0.066	1.000	1.236	0.08
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	650000	135	69	Ant 6	DSi8	1	-	21.00	20.08	-0.11	0.244	1.000	1.236	0.30
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	650000	135	69	Ant 6	DSi8	1	-	21.00	20.08	0	0.229	1.000	1.236	0.28
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 8	DSi4	1	-	20.50	19.21	0.05	0.142	1.000	1.346	0.19
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 8	DSi4	1	-	20.50	19.21	-0.19	0.313	1.000	1.346	0.42
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	633334	1	1	Ant 8	DSi4	1	-	20.50	19.21	0.08	0.036	1.000	1.346	0.05
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	633334	1	1	Ant 8	DSi4	1	-	20.50	19.21	-0.17	0.578	1.000	1.346	0.78
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	633334	1	1	Ant 8	DSi4	1	-	20.50	19.21	0.13	0.063	1.000	1.346	0.09
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 8	DSi4	1	-	20.50	19.12	0.12	0.127	1.000	1.374	0.18
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 8	DSi4	1	-	20.50	19.12	-0.15	0.315	1.000	1.374	0.43
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	633334	135	69	Ant 8	DSi4	1	-	20.50	19.12	0.12	0.046	1.000	1.374	0.06
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	633334	135	69	Ant 8	DSi4	1	-	20.50	19.12	0.01	0.496	1.000	1.374	0.68
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	633334	135	69	Ant 8	DSi4	1	-	20.50	19.12	0.19	0.068	1.000	1.374	0.09
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	650000	1	1	Ant 8	DSi4	1	-	20.50	20.13	0.02	0.148	1.000	1.089	0.16
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	650000	1	1	Ant 8	DSi4	1	-	20.50	20.13	-0.07	0.509	1.000	1.089	0.55
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	650000	1	1	Ant 8	DSi4	1	-	20.50	20.13	0.19	0.073	1.000	1.089	0.08
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	650000	1	1	Ant 8	DSi4	1	-	20.50	20.13	-0.02	0.704	1.000	1.089	0.77
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	650000	1	1	Ant 8	DSi4	1	-	20.50	20.13	-0.14	0.086	1.000	1.089	0.09
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	650000	135	69	Ant 8	DSi4	1	-	20.50	19.99	-0.09	0.160	1.000	1.125	0.18
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	650000	135	69	Ant 8	DSi4	1	-	20.50	19.99	-0.14	0.479	1.000	1.125	0.54
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	650000	135	69	Ant 8	DSi4	1	-	20.50	19.99	-0.13	0.057	1.000	1.125	0.06
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	650000	135	69	Ant 8	DSi4	1	-	20.50	19.99	0.11	0.712	1.000	1.125	0.80
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	650000	135	69	Ant 8	DSi4	1	-	20.50	19.99	0.11	0.102	1.000	1.125	0.12
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	656000	135	69	Ant 8	DSi4	1	-	20.50	19.83	-0.08	0.685	1.000	1.167	0.80
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	662000	135	69	Ant 8	DSi4	1	-	20.50	19.48	-0.08	0.623	1.000	1.265	0.79
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	650000	270	0	Ant 8	DSi4	1	-	20.50	19.88	-0.06	0.649	1.000	1.153	0.75
	WLAN 2.4G	802.11b 1Mbps	Front Face	1cm	6	-	-	Ant 7	DSi4	1	98.79	17.00	16.32	0.1	0.072	1.012	1.169	0.09
P58	WLAN 2.4G	802.11b 1Mbps	Rear Face	1cm	6	-	-	Ant 7	DSi4	1	98.79	17.00	16.32	-0.02	0.198	1.012	1.169	0.23
	WLAN 2.4G	802.11b 1Mbps	Left Side	1cm	6	-	-	Ant 7	DSi4	1	98.79	17.00	16.32	0.07	0.030	1.012	1.169	0.04
	WLAN 2.4G	802.11b 1Mbps	Right Side	1cm	6	-	-	Ant 7	DSi4	1	98.79	17.00	16.32	0.14	0.068	1.012	1.169	0.08
	WLAN 2.4G	802.11b 1Mbps	Top Side	1cm	6	-	-	Ant 7	DSi4	1	98.79	17.00	16.32	-0.05	0.100	1.012	1.169	0.12
	WLAN 5.2G	802.11a 6Mbps	Front Face	1cm	48	-	-	Ant 6	DSi4	1	97.88	16.50	15.66	-0.17	0.150	1.022	1.213	0.19
	WLAN 5.2G	802.11a 6Mbps	Rear Face	1cm	48	-	-	Ant 6	DSi4	1	97.88	16.50	15.66	0.03	0.226	1.022	1.213	0.28
	WLAN 5.2G	802.11a 6Mbps	Left Side	1cm	48	-	-	Ant 6	DSi4	1	97.88	16.50	15.66	-0.03	0.109	1.022	1.213	0.14
	WLAN 5.2G	802.11a 6Mbps	Right Side	1cm	48	-	-	Ant 6	DSi4	1	97.88	16.50	15.66	0.18	0.106	1.022	1.213	0.13
P59	WLAN 5.2G	802.11a 6Mbps	Top Side	1cm	48	-	-	Ant 6	DSi4	1	97.88	16.50	15.66	-0.02	0.343	1.022	1.213	0.43
	WLAN 5.2G	802.11a 6Mbps	Top Side	1cm	48	-	-	Ant 6	DSi4	2	97.88	16.50	15.66	-0.05	0.305	1.022	1.213	0.38
	WLAN 5.8G	802.11a 6Mbps	Front Face	1cm	149	-	-	Ant 6	DSi4	1	97.87	13.00	12.28	-0.09	0.090	1.022	1.180	0.11
	WLAN 5.8G	802.11a 6Mbps	Rear Face	1cm	149	-	-	Ant 6	DSi4	1	97.87	13.00	12.28	0.18	0.142	1.022	1.180	0.17
	WLAN 5.8G	802.11a 6Mbps	Left Side	1cm	149	-	-	Ant 6	DSi4	1	97.87	13.00	12.28	-0.02	0.095	1.022	1.180	0.12
	WLAN 5.8G	802.11a 6Mbps	Right Side	1cm	149	-	-	Ant 6	DSi4	1	97.87	13.00	12.28	-0.13	0.138	1.022	1.180	0.17
P60	WLAN 5.8G	802.11a 6Mbps	Top Side	1cm	149	-	-	Ant 6	DSi4	1	97.87	13.00	12.28	0.09	0.167	1.022	1.180	0.20
	BT	GFSK	Front Face	1cm	78	-	-	Ant 7	DSi4	1	76.62	13.00	12.26	-0.08	0.005	1.305	1.186	0.01
	BT	GFSK	Rear Face	1cm	78	-	-	Ant 7	DSi4	1	76.62	13.00	12.26	0.16	0.008	1.305	1.186	0.01
	BT	GFSK	Left Side	1cm	78	-	-	Ant 7	DSi4	1	76.62	13.00	12.26	-0.06	0.000	1.305	1.186	0.00
	BT	GFSK	Right Side	1cm	78	-	-	Ant 7	DSi4	1	76.62	13.00	12.26	0.15	0.000	1.305	1.186	0.00
P61	BT	GFSK	Top Side	1cm	78	-	-	Ant 7	DSi4	1	76.62	13.00	12.26	0.08	0.013	1.305	1.186	0.02

Extremity Exposure Condition

System & Position										SAR								
Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Channel	RB	offset	Ant Status	DUT Status	Sample	Duty Cycle	Maximum Tune-up (dBm)	Conducted Power (dBm)	Power Drift	SAR 10g	Duty Cycle Scaling	Scaling Factor	Scaled 10g SAR
P62	WCDMA II	RMC 12.2K	Rear Face	0cm	9400	-	-	Ant 1	DSI3	1	-	22.00	21.37	0.09	2.670	1.000	1.156	3.09
	WCDMA II	RMC 12.2K	Rear Face	0cm	9262	-	-	Ant 1	DSI3	1	-	22.00	21.15	0.11	2.550	1.000	1.216	3.10
	WCDMA II	RMC 12.2K	Rear Face	0cm	9538	-	-	Ant 1	DSI3	1	-	22.00	21.24	0.16	2.570	1.000	1.191	3.06
	WCDMA II (Sim-Tx)	RMC 12.2K	Rear Face	0cm	9400	-	-	Ant 1	DSI6	1	-	22.00	21.37	0.09	2.670	1.000	1.156	3.09
	WCDMA II (Sim-Tx)	RMC 12.2K	Rear Face	0cm	9262	-	-	Ant 1	DSI6	1	-	22.00	21.15	0.11	2.550	1.000	1.216	3.10
	WCDMA II (Sim-Tx)	RMC 12.2K	Rear Face	0cm	9538	-	-	Ant 1	DSI6	1	-	22.00	21.24	0.16	2.570	1.000	1.191	3.06
P63	LTE Band 2	QPSK20M	Rear Face	0cm	18700	1	50	Ant 1	DSI3	1	-	20.50	19.19	-0.12	2.090	1.000	1.352	2.83
	LTE Band 2	QPSK20M	Bottom Side	0cm	18700	1	50	Ant 1	DSI3	1	-	20.50	19.19	-0.18	0.820	1.000	1.352	1.11
	LTE Band 2	QPSK20M	Rear Face	0cm	18700	50	50	Ant 1	DSI3	1	-	19.50	18.23	-0.04	1.780	1.000	1.340	2.39
	LTE Band 2	QPSK20M	Bottom Side	0cm	18700	50	50	Ant 1	DSI3	1	-	19.50	18.23	-0.06	0.673	1.000	1.340	0.90
	LTE Band 2	QPSK20M	Rear Face	0cm	18900	1	50	Ant 1	DSI3	1	-	20.50	19.07	-0.17	2.140	1.000	1.390	2.97
	LTE Band 2	QPSK20M	Rear Face	0cm	19100	1	50	Ant 1	DSI3	1	-	20.50	19.13	-0.02	2.120	1.000	1.371	2.91
	LTE Band 2	QPSK20M	Rear Face	0cm	18900	50	50	Ant 1	DSI3	1	-	19.50	18.11	0.01	2.110	1.000	1.377	2.91
	LTE Band 2	QPSK20M	Rear Face	0cm	19100	50	50	Ant 1	DSI3	1	-	19.50	18.14	0.17	2.020	1.000	1.368	2.76
	LTE Band 2	QPSK20M	Rear Face	0cm	18700	100	0	Ant 1	DSI3	1	-	19.50	18.15	-0.11	1.800	1.000	1.365	2.46
	LTE Band 2	QPSK20M	Bottom Side	1.9cm	18700	1	50	Ant 1	DSI4	1	-	22.50	21.34	0.06	0.187	1.000	1.306	0.24
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	0cm	18700	1	50	Ant 1	DSI6	1	-	20.50	19.19	-0.12	2.090	1.000	1.352	2.83
	LTE Band 2 (Sim-Tx)	QPSK20M	Bottom Side	0cm	18700	1	50	Ant 1	DSI6	1	-	20.50	19.19	-0.18	0.820	1.000	1.352	1.11
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	0cm	18700	50	50	Ant 1	DSI6	1	-	19.50	18.23	-0.04	1.780	1.000	1.340	2.39
	LTE Band 2 (Sim-Tx)	QPSK20M	Bottom Side	0cm	18700	50	50	Ant 1	DSI6	1	-	19.50	18.23	-0.06	0.673	1.000	1.340	0.90
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	0cm	18900	1	50	Ant 1	DSI6	1	-	20.50	19.07	-0.17	2.140	1.000	1.390	2.97
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	0cm	19100	1	50	Ant 1	DSI6	1	-	20.50	19.13	-0.02	2.120	1.000	1.371	2.91
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	0cm	18900	50	50	Ant 1	DSI6	1	-	19.50	18.11	0.01	2.110	1.000	1.377	2.91
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	0cm	19100	50	50	Ant 1	DSI6	1	-	19.50	18.14	0.17	2.020	1.000	1.368	2.76
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	0cm	18700	100	0	Ant 1	DSI6	1	-	19.50	18.15	-0.11	1.800	1.000	1.365	2.46
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	0cm	18700	1	50	Ant 1	DSI3	1	-	19.50	18.39	0.17	1.380	1.000	1.291	1.78
	LTE Band 2 (ENDC)	QPSK20M	Bottom Side	0cm	18700	1	50	Ant 1	DSI3	1	-	19.50	18.39	0.19	0.550	1.000	1.291	0.71
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	0cm	18700	50	50	Ant 1	DSI3	1	-	18.50	17.39	0.16	1.410	1.000	1.291	1.82
	LTE Band 2 (ENDC)	QPSK20M	Bottom Side	0cm	18700	50	50	Ant 1	DSI3	1	-	18.50	17.39	0.14	0.547	1.000	1.291	0.71
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Rear Face	0cm	18700	1	50	Ant 1	DSI6	1	-	19.50	18.39	0.17	1.380	1.000	1.291	1.78
LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Bottom Side	0cm	18700	1	50	Ant 1	DSI6	1	-	19.50	18.39	0.19	0.550	1.000	1.291	0.71	
LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Rear Face	0cm	18700	50	50	Ant 1	DSI6	1	-	18.50	17.39	0.16	1.410	1.000	1.291	1.82	
LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Bottom Side	0cm	18700	50	50	Ant 1	DSI6	1	-	18.50	17.39	0.14	0.547	1.000	1.291	0.71	
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	0cm	18700	1	50	Ant 5	DSI3	1	-	18.00	16.99	0.15	0.824	1.000	1.262	1.04
	LTE Band 2 (ENDC)	QPSK20M	Top Side	0cm	18700	1	50	Ant 5	DSI3	1	-	18.00	16.99	0.14	0.728	1.000	1.262	0.92
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	0cm	18700	50	50	Ant 5	DSI3	1	-	17.00	15.98	-0.05	0.864	1.000	1.265	1.09
	LTE Band 2 (ENDC)	QPSK20M	Top Side	0cm	18700	50	50	Ant 5	DSI3	1	-	17.00	15.98	-0.18	0.767	1.000	1.265	0.97
	LTE Band 2 (ENDC)	QPSK20M	Top Side	2.3cm	18700	1	50	Ant 5	DSI4	1	-	24.50	23.31	0.05	0.310	1.000	1.315	0.41
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Rear Face	0cm	18700	1	50	Ant 5	DSI6	1	-	17.50	16.41	-0.13	0.704	1.000	1.285	0.91
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Top Side	0cm	18700	1	50	Ant 5	DSI6	1	-	17.50	16.41	-0.01	0.644	1.000	1.285	0.83
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Rear Face	0cm	18700	50	50	Ant 5	DSI6	1	-	16.50	15.42	0.13	0.735	1.000	1.282	0.94
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Top Side	0cm	18700	50	50	Ant 5	DSI6	1	-	16.50	15.42	0.03	0.667	1.000	1.282	0.86
	LTE Band 7	QPSK20M	Rear Face	0cm	21100	1	0	Ant 5	DSI3	1	-	19.00	17.83	-0.01	1.810	1.000	1.309	2.37
P64	LTE Band 7	QPSK20M	Top Side	0cm	21100	1	0	Ant 5	DSI3	1	-	19.00	17.83	0.11	0.899	1.000	1.309	1.18
	LTE Band 7	QPSK20M	Rear Face	0cm	21100	50	0	Ant 5	DSI3	1	-	18.00	16.77	-0.18	1.590	1.000	1.327	2.11
	LTE Band 7	QPSK20M	Top Side	0cm	21100	50	0	Ant 5	DSI3	1	-	18.00	16.77	-0.07	0.797	1.000	1.327	1.06
	LTE Band 7	QPSK20M	Rear Face	0cm	20850	1	0	Ant 5	DSI3	1	-	19.00	17.80	0.19	1.440	1.000	1.318	1.90
	LTE Band 7	QPSK20M	Rear Face	0cm	21350	1	0	Ant 5	DSI3	1	-	19.00	17.67	0.04	1.290	1.000	1.358	1.75
	LTE Band 7	QPSK20M	Rear Face	0cm	20850	50	0	Ant 5	DSI3	1	-	18.00	16.74	-0.11	1.310	1.000	1.337	1.75
	LTE Band 7	QPSK20M	Rear Face	0cm	21350	50	0	Ant 5	DSI3	1	-	18.00	16.65	0.19	1.660	1.000	1.365	2.27
	LTE Band 7	QPSK20M	Rear Face	0cm	21100	100	0	Ant 5	DSI3	1	-	18.00	16.75	-0.18	1.450	1.000	1.334	1.93
	LTE Band 7	QPSK20M	Top Side	2.3cm	21100	1	0	Ant 5	DSI4	1	-	24.50	23.26	-0.07	0.432	1.000	1.330	0.58
	LTE Band 7 (Sim-Tx)	QPSK20M	Rear Face	0cm	21100	1	0	Ant 5	DSI6	1	-	19.00	17.83	0.01	1.810	1.000	1.309	2.37
	LTE Band 7 (Sim-Tx)	QPSK20M	Top Side	0cm	21100	1	0	Ant 5	DSI6	1	-	19.00	17.83	0.11	0.899	1.000	1.309	1.18
	LTE Band 7 (Sim-Tx)	QPSK20M	Rear Face	0cm	21100	50	0	Ant 5	DSI6	1	-	18.00	16.77	-0.18	1.590	1.000	1.327	2.11
	LTE Band 7 (Sim-Tx)	QPSK20M	Top Side	0cm	21100	50	0	Ant 5	DSI6	1	-	18.00	16.77	-0.07	0.797	1.000	1.327	1.06
	LTE Band 7 (Sim-Tx)	QPSK20M	Rear Face	0cm	20850	1	0	Ant 5	DSI6	1	-	19.00	17.80	0.19	1.440	1.000	1.318	1.90
	LTE Band 7 (Sim-Tx)	QPSK20M	Rear Face	0cm	21350	1	0	Ant 5	DSI6	1	-	19.00	17.67	0.04	1.290	1.000	1.358	1.75
	LTE Band 7 (Sim-Tx)	QPSK20M	Rear Face	0cm	20850	50	0	Ant 5	DSI6	1	-	18.00	16.74	-0.11	1.310	1.000	1.337	1.75
	LTE Band 7 (Sim-Tx)	QPSK20M	Rear Face	0cm	21350	50	0	Ant 5	DSI6	1	-	18.00	16.65	0.19	1.660	1.000	1.365	2.27
	LTE Band 7 (Sim-Tx)	QPSK20M	Rear Face	0cm	21100	100	0	Ant 5	DSI6	1	-	18.00	16.75	-0.18	1.450	1.000	1.334	1.93
	LTE Band 48	QPSK20M	Rear Face	0cm	56640	1	50	Ant 4	DSI3	1	62.9	20.00	19.06	0.01	1.290	1.006	1.242	1.61
	LTE Band 48	QPSK20M	Left Side	0cm	56640	1	50	Ant 4	DSI3	1	62.9	20.00	19.06	0.13	1.080	1.006	1.242	1.35
	LTE Band 48	QPSK20M	Rear Face	0cm	56640	50	50	Ant 4	DSI3	1	62.9	19.00	18.19	-0.06	1.130	1.006	1.205	1.37
	LTE Band 48	QPSK20M	Left Side	0cm	56640	50	50	Ant 4										

		LTE Band 66/4	QPSK20M	Rear Face	0cm	132322	1	99	Ant 1	DSI3	1	-	20.50	19.67	0.1	2.230	1.000	1.211	2.70
		LTE Band 66/4	QPSK20M	Bottom Side	0cm	132322	1	99	Ant 1	DSI3	1	-	20.50	19.67	-0.09	0.949	1.000	1.211	1.15
		LTE Band 66/4	QPSK20M	Rear Face	0cm	132322	50	50	Ant 1	DSI3	1	-	19.50	18.76	-0.02	1.780	1.000	1.186	2.11
		LTE Band 66/4	QPSK20M	Bottom Side	0cm	132322	50	50	Ant 1	DSI3	1	-	19.50	18.76	-0.08	0.774	1.000	1.186	0.92
P66		LTE Band 66/4	QPSK20M	Rear Face	0cm	132072	1	99	Ant 1	DSI3	1	-	20.50	19.65	0.05	2.240	1.000	1.216	2.72
		LTE Band 66/4	QPSK20M	Rear Face	0cm	132572	1	99	Ant 1	DSI3	1	-	20.50	19.61	-0.01	2.370	1.000	1.227	2.91
		LTE Band 66/4	QPSK20M	Rear Face	0cm	132072	50	50	Ant 1	DSI3	1	-	19.50	18.69	-0.16	2.080	1.000	1.205	2.51
		LTE Band 66/4	QPSK20M	Rear Face	0cm	132572	50	50	Ant 1	DSI3	1	-	19.50	18.75	0.1	2.040	1.000	1.189	2.43
		LTE Band 66/4	QPSK20M	Rear Face	0cm	132322	100	0	Ant 1	DSI3	1	-	19.50	18.72	0.12	2.140	1.000	1.197	2.56
		LTE Band 66/4	QPSK20M	Bottom Side	1.9cm	132322	1	99	Ant 1	DSI4	1	-	24.50	23.50	-0.06	0.228	1.000	1.259	0.29
		LTE Band 66B	QPSK20M	Rear Face	0cm	PCC:132373 SCC:132472	1	49	Ant 1	DSI3	1	-	20.50	19.95	-0.01	2.190	1.000	1.135	2.49
		LTE Band 66C	QPSK20M	Rear Face	0cm	PCC:132323 SCC:132521	1	99	Ant 1	DSI3	1	-	20.50	20.00	-0.16	2.220	1.000	1.122	2.49
		LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	0cm	132322	1	99	Ant 1	DSI6	1	-	20.50	19.67	0.1	2.230	1.000	1.211	2.70
		LTE Band 66/4 (Sim-Tx)	QPSK20M	Bottom Side	0cm	132322	1	99	Ant 1	DSI6	1	-	20.50	19.67	-0.09	0.949	1.000	1.211	1.15
		LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	0cm	132322	50	50	Ant 1	DSI6	1	-	19.50	18.76	-0.02	1.780	1.000	1.186	2.11
		LTE Band 66/4 (Sim-Tx)	QPSK20M	Bottom Side	0cm	132322	50	50	Ant 1	DSI6	1	-	19.50	18.76	-0.08	0.774	1.000	1.186	0.92
		LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	0cm	132072	1	99	Ant 1	DSI6	1	-	20.50	19.65	0.05	2.240	1.000	1.216	2.72
		LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	0cm	132572	1	99	Ant 1	DSI6	1	-	20.50	19.61	-0.01	2.370	1.000	1.227	2.91
		LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	0cm	132072	50	50	Ant 1	DSI6	1	-	19.50	18.69	-0.16	2.080	1.000	1.205	2.51
		LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	0cm	132572	50	50	Ant 1	DSI6	1	-	19.50	18.75	0.1	2.040	1.000	1.189	2.43
		LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	0cm	132322	100	0	Ant 1	DSI6	1	-	19.50	18.72	0.12	2.140	1.000	1.197	2.56
		LTE Band 66/4(ENDC)	QPSK20M	Rear Face	0cm	132322	1	99	Ant 1	DSI3	1	-	20.50	19.67	-0.09	1.480	1.000	1.211	1.79
		LTE Band 66/4(ENDC)	QPSK20M	Bottom Side	0cm	132322	1	99	Ant 1	DSI3	1	-	20.50	19.67	-0.12	0.683	1.000	1.211	0.83
		LTE Band 66/4(ENDC)	QPSK20M	Rear Face	0cm	132322	50	50	Ant 1	DSI3	1	-	19.50	18.76	0.14	1.280	1.000	1.186	1.52
		LTE Band 66/4(ENDC)	QPSK20M	Bottom Side	0cm	132322	50	50	Ant 1	DSI3	1	-	19.50	18.76	0.04	0.557	1.000	1.186	0.66
		LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Rear Face	0cm	132322	1	99	Ant 1	DSI6	1	-	20.50	19.67	-0.09	1.480	1.000	1.211	1.79
		LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Bottom Side	0cm	132322	1	99	Ant 1	DSI6	1	-	20.50	19.67	-0.12	0.683	1.000	1.211	0.83
		LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Rear Face	0cm	132322	50	50	Ant 1	DSI6	1	-	19.50	18.76	0.14	1.280	1.000	1.186	1.52
		LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Bottom Side	0cm	132322	50	50	Ant 1	DSI6	1	-	19.50	18.76	0.04	0.557	1.000	1.186	0.66
		LTE Band 66/4(ENDC)	QPSK20M	Rear Face	0cm	132322	1	99	Ant 5	DSI3	1	-	19.00	18.20	0.02	0.657	1.000	1.202	0.79
		LTE Band 66/4(ENDC)	QPSK20M	Top Side	0cm	132322	1	99	Ant 5	DSI3	1	-	19.00	18.20	0.02	1.030	1.000	1.202	1.24
		LTE Band 66/4(ENDC)	QPSK20M	Rear Face	0cm	132322	50	50	Ant 5	DSI3	1	-	18.00	17.14	0.01	0.596	1.000	1.219	0.73
		LTE Band 66/4(ENDC)	QPSK20M	Top Side	0cm	132322	50	50	Ant 5	DSI3	1	-	18.00	17.14	-0.15	0.841	1.000	1.219	1.03
		LTE Band 66/4(ENDC)	QPSK20M	Top Side	2.3cm	132322	1	99	Ant 5	DSI4	1	-	24.50	23.27	-0.2	0.116	1.000	1.327	0.15
		LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Rear Face	0cm	132322	1	99	Ant 5	DSI6	1	-	19.00	18.20	0.02	0.657	1.000	1.202	0.79
		LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Top Side	0cm	132322	1	99	Ant 5	DSI6	1	-	19.00	18.20	0.02	1.030	1.000	1.202	1.24
		LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Rear Face	0cm	132322	50	50	Ant 5	DSI6	1	-	18.00	17.14	0.01	0.596	1.000	1.219	0.73
		LTE Band 66/4(ENDC&Sim-Tx)	QPSK20M	Top Side	0cm	132322	50	50	Ant 5	DSI6	1	-	18.00	17.14	-0.15	0.841	1.000	1.219	1.03
P67		FR1 n2	DFT-15kHz-QPSK20M	Rear Face	0cm	372000	1	1	Ant 1	DSI3	1	-	21.50	20.83	0.17	2.590	1.000	1.167	3.02
		FR1 n2	DFT-15kHz-QPSK20M	Bottom Side	0cm	372000	1	1	Ant 1	DSI3	1	-	21.50	20.83	0.12	1.070	1.000	1.167	1.25
		FR1 n2	DFT-15kHz-QPSK20M	Rear Face	0cm	372000	50	28	Ant 1	DSI3	1	-	21.50	20.80	0.17	2.460	1.000	1.175	2.89
		FR1 n2	DFT-15kHz-QPSK20M	Bottom Side	0cm	372000	50	28	Ant 1	DSI3	1	-	21.50	20.80	-0.01	1.020	1.000	1.175	1.20
		FR1 n2	DFT-15kHz-QPSK20M	Rear Face	0cm	376000	1	1	Ant 1	DSI3	1	-	21.50	20.71	0.07	2.390	1.000	1.199	2.87
		FR1 n2	DFT-15kHz-QPSK20M	Rear Face	0cm	380000	1	1	Ant 1	DSI3	1	-	21.50	20.72	0.11	2.360	1.000	1.197	2.82
		FR1 n2	DFT-15kHz-QPSK20M	Rear Face	0cm	376000	50	28	Ant 1	DSI3	1	-	21.50	20.63	-0.18	2.260	1.000	1.222	2.76
		FR1 n2	DFT-15kHz-QPSK20M	Rear Face	0cm	380000	50	28	Ant 1	DSI3	1	-	21.50	20.60	0.05	2.240	1.000	1.230	2.76
		FR1 n2	DFT-15kHz-QPSK20M	Rear Face	0cm	376000	100	0	Ant 1	DSI3	1	-	20.50	20.18	0.12	2.310	1.000	1.076	2.49
		FR1 n2	DFT-15kHz-QPSK20M	Bottom Side	1.9cm	372000	1	1	Ant 1	DSI4	1	-	24.50	23.61	0.04	0.223	1.000	1.227	0.27
		FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	0cm	372000	1	1	Ant 1	DSI6	1	-	21.50	20.83	0.17	2.590	1.000	1.167	3.02
		FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Bottom Side	0cm	372000	1	1	Ant 1	DSI6	1	-	21.50	20.83	0.12	1.070	1.000	1.167	1.25
		FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	0cm	372000	50	28	Ant 1	DSI6	1	-	21.50	20.80	0.17	2.460	1.000	1.175	2.89
		FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Bottom Side	0cm	372000	50	28	Ant 1	DSI6	1	-	21.50	20.80	-0.01	1.020	1.000	1.175	1.20
		FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	0cm	376000	1	1	Ant 1	DSI6	1	-	21.50	20.71	0.07	2.390	1.000	1.199	2.87
		FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	0cm	380000	1	1	Ant 1	DSI6	1	-	21.50	20.72	0.11	2.360	1.000	1.197	2.82
		FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	0cm	376000	50	28	Ant 1	DSI6	1	-	21.50	20.63	-0.18	2.260	1.000	1.222	2.76
		FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	0cm	380000	50	28	Ant 1										

	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	0cm	349000	1	1	Ant 1	DSI3	1	-	20.00	19.27	0.18	2.370	1.000	1.183	2.80
	FR1 n66	DFT-15kHz-QPSK40M	Bottom Side	0cm	349000	1	1	Ant 1	DSI3	1	-	20.00	19.27	0.13	1.020	1.000	1.183	1.21
	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	0cm	349000	108	54	Ant 1	DSI3	1	-	20.00	19.11	0.03	2.140	1.000	1.227	2.63
	FR1 n66	DFT-15kHz-QPSK40M	Bottom Side	0cm	349000	108	54	Ant 1	DSI3	1	-	20.00	19.11	-0.1	1.090	1.000	1.227	1.34
	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	0cm	346000	1	1	Ant 1	DSI3	1	-	20.00	19.19	0.09	2.410	1.000	1.205	2.90
P69	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	0cm	352000	1	1	Ant 1	DSI3	1	-	20.00	19.17	0.05	2.500	1.000	1.211	3.03
	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	0cm	346000	108	54	Ant 1	DSI3	1	-	20.00	18.92	-0.06	2.260	1.000	1.282	2.90
	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	0cm	352000	108	54	Ant 1	DSI3	1	-	20.00	18.94	0.08	2.110	1.000	1.276	2.69
	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	0cm	349000	216	0	Ant 1	DSI3	1	-	19.00	18.23	0.06	2.140	1.000	1.194	2.56
	FR1 n66	DFT-15kHz-QPSK40M	Bottom Side	1.9cm	349000	1	1	Ant 1	DSI4	1	-	24.50	23.54	-0.16	0.289	1.000	1.247	0.36
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	0cm	349000	1	1	Ant 1	DSI6	1	-	20.00	19.27	0.18	2.370	1.000	1.183	2.80
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Bottom Side	0cm	349000	1	1	Ant 1	DSI6	1	-	20.00	19.27	0.13	1.020	1.000	1.183	1.21
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	0cm	349000	108	54	Ant 1	DSI6	1	-	20.00	19.11	0.03	2.140	1.000	1.227	2.63
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Bottom Side	0cm	349000	108	54	Ant 1	DSI6	1	-	20.00	19.11	-0.1	1.090	1.000	1.227	1.34
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	0cm	346000	1	1	Ant 1	DSI6	1	-	20.00	19.19	0.09	2.410	1.000	1.205	2.90
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	0cm	352000	1	1	Ant 1	DSI6	1	-	20.00	19.17	0.05	2.500	1.000	1.211	3.03
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	0cm	346000	108	54	Ant 1	DSI6	1	-	20.00	18.92	-0.06	2.260	1.000	1.282	2.90
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	0cm	352000	108	54	Ant 1	DSI6	1	-	20.00	18.94	0.08	2.110	1.000	1.276	2.69
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	0cm	349000	216	0	Ant 1	DSI6	1	-	19.00	18.23	0.06	2.140	1.000	1.194	2.56
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	0cm	349000	1	1	Ant 5	DSI6	1	-	19.50	18.39	0.01	0.972	1.000	1.291	1.26
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Top Side	0cm	349000	1	1	Ant 5	DSI6	1	-	19.50	18.39	-0.13	1.680	1.000	1.291	2.17
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	0cm	349000	108	54	Ant 5	DSI6	1	-	19.50	18.18	-0.14	0.995	1.000	1.355	1.35
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Top Side	0cm	349000	108	54	Ant 5	DSI6	1	-	19.50	18.18	-0.11	1.560	1.000	1.355	2.11
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Top Side	0cm	346000	1	1	Ant 5	DSI6	1	-	19.50	18.25	-0.13	1.700	1.000	1.334	2.27
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Top Side	0cm	352000	1	1	Ant 5	DSI6	1	-	19.50	18.31	-0.07	1.670	1.000	1.315	2.20
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Top Side	0cm	346000	108	54	Ant 5	DSI6	1	-	18.50	18.03	0.13	1.540	1.000	1.114	1.72
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Top Side	0cm	352000	108	54	Ant 5	DSI6	1	-	18.50	18.13	-0.16	1.610	1.000	1.089	1.75
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Top Side	0cm	349000	216	0	Ant 5	DSI6	1	-	18.50	17.20	-0.08	1.520	1.000	1.349	2.05
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Top Side	2.3cm	346000	1	1	Ant 5	DSI4	1	-	24.50	23.28	0.15	0.145	1.000	1.324	0.19
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	0cm	633334	1	1	Ant 4	DSI3	1	-	18.00	16.77	-0.14	1.930	1.000	1.327	2.56
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	0cm	633334	1	1	Ant 4	DSI3	1	-	18.00	16.77	-0.07	1.940	1.000	1.327	2.58
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	0cm	633334	135	138	Ant 4	DSI3	1	-	18.00	16.69	0.09	1.710	1.000	1.352	2.31
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	0cm	633334	135	138	Ant 4	DSI3	1	-	18.00	16.69	0.03	1.690	1.000	1.352	2.29
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	0cm	633334	270	0	Ant 4	DSI3	1	-	18.00	16.54	0.12	1.550	1.000	1.400	2.17
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1.3cm	633334	1	1	Ant 4	DSI4	1	-	24.50	23.18	0.15	0.390	1.000	1.355	0.53
	FR1 n77 PC2	DFT-30kHz-QPSK100M	Left Side	0cm	633334	1	1	Ant 4	DSI3	1	-	21.00	19.83	-0.02	1.820	1.000	1.309	2.38
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	0cm	662000	1	1	Ant 4	DSI3	1	-	18.00	17.58	-0.11	1.050	1.000	1.102	1.16
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	0cm	662000	1	1	Ant 4	DSI3	1	-	18.00	17.58	0	1.270	1.000	1.102	1.40
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	0cm	662000	135	138	Ant 4	DSI3	1	-	18.00	17.39	-0.18	1.060	1.000	1.151	1.22
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	0cm	662000	135	138	Ant 4	DSI3	1	-	18.00	17.39	-0.08	1.640	1.000	1.151	1.89
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1.3cm	662000	135	138	Ant 4	DSI4	1	-	22.50	21.92	-0.15	0.562	1.000	1.143	0.64
	FR1 n77 PC2	DFT-30kHz-QPSK100M	Left Side	0cm	662000	1	1	Ant 4	DSI3	1	-	24.50	23.95	-0.05	1.310	1.000	1.135	1.49
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	0cm	633334	1	1	Ant 4	DSI6	1	-	18.00	16.77	-0.14	1.930	1.000	1.327	2.56
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	633334	1	1	Ant 4	DSI6	1	-	18.00	16.77	-0.07	1.940	1.000	1.327	2.58
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	0cm	633334	135	138	Ant 4	DSI6	1	-	18.00	16.69	0.09	1.710	1.000	1.352	2.31
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	633334	135	138	Ant 4	DSI6	1	-	18.00	16.69	0.03	1.690	1.000	1.352	2.29
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	633334	270	0	Ant 4	DSI6	1	-	18.00	16.54	0.12	1.550	1.000	1.400	2.17
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1.3cm	633334	1	1	Ant 4	DSI6	1	-	24.50	23.18	0.15	0.390	1.000	1.355	0.53
	FR1 n77 PC2 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	633334	1	1	Ant 4	DSI6	1	-	21.00	19.83	-0.02	1.820	1.000	1.309	2.38
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	0cm	662000	1	1	Ant 4	DSI6	1	-	18.00	17.58	-0.11	1.050	1.000	1.102	1.16
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	662000	1	1	Ant 4	DSI6	1	-	18.00	17.58	0	1.270	1.000	1.102	1.40
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	0cm	662000	135	138	Ant 4	DSI6	1	-	18.00	17.39	-0.18	1.060	1.000	1.151	1.22
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	662000	135	138	Ant 4	DSI6	1	-	18.00	17.39	-0.08	1.640	1.000	1.151	1.89
	FR1 n77 PC2 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	662000	1	1	Ant 4	DSI6	1	-	24.50	23.95	-0.05	1.310	1.000	1.135	1.49
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	0cm	633334	1	1	Ant 4	DSI3	1	-	15.00	13.82	-0.07	1.140	1.000	1.312	1.50
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Side	0cm	633334	1	1	Ant 4	DSI3	1	-	15.00	13.82	-0.13	1.150	1.000	1.312	1.51
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	0cm	633334	135	138	Ant 4	DSI3	1	-	15.00	13.68	0.04	1.010	1.000	1.355	1.37
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Side	0cm	633334	135	138	Ant 4	DSI3	1	-	15.00	13.68	-0.14	1.000	1.000	1.355	1.36
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Side	0cm	633334	270	0	Ant 4	DSI3	1	-	15.00	13.55	-0.1	0.993	1.000	1.396	1.39
	FR1 n77 PC2 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	633334	1	1	Ant 4	DSI3	1	-	18.00	16.78	0.18	1.080	1.000	1.324	1.43
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	0cm	662000	1	1	Ant 4	DSI3	1	-	15.00	14.62	0.08	0.620	1.000	1.091	0.68
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Side	0cm	662000	1	1	Ant 4	DSI3	1	-	15.00	14.62	-0.03	0.730	1.000	1.091	0.80
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	0cm	662000	135	138	Ant 4	DSI3	1	-	15.00	14.41	-0.09	0.630	1.000	1.146	0.72
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Side	0cm	662000	135	138	Ant 4	DSI3	1	-	15.00	14.41	-0.16	0.970	1.000	1.146	1.11
	FR1 n77 PC2 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	662000	1	1	Ant 4	DSI3	1	-	18.00	17.57	0.14	0.880	1.000	1.104	0.97
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	0cm	633334	1	1	Ant 4	DSI6	1	-	15.00	13.82	-0.07	1.140	1.000	1.312	1.50
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	633334	1	1	Ant 4	DSI6	1	-	15.00	13.82	-0.13	1.150	1.000	1.312	1.51
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	0cm	633334	135	138	Ant 4	DSI6	1	-	15.00	13.68	0.04	1.010	1.000	1.355	1.37
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	633334	135	138	Ant 4	DSI6	1	-	15.00	13.68	-0.14	1.000	1.000	1.355	1.36
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	633334	270	0	Ant 4	DSI6	1	-	15.00	13.55	-0.1	0.993	1.000	1.396	1.39
	FR1 n77 PC2 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	633334	1	1	Ant 4	DSI6	1	-	18.00	16.78	0.18	1.080	1.000	1.324	1.43
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face															

	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	0cm	662000	1	1	Ant 3	DSI3	1	-	21.50	20.79	-0.08	2.190	1.000	1.178	2.58
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	0cm	662000	1	1	Ant 3	DSI3	1	-	21.50	20.79	0.13	2.510	1.000	1.178	2.96
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	0cm	662000	135	69	Ant 3	DSI3	1	-	21.50	20.69	0.15	2.350	1.000	1.205	2.83
P70	FR1 n77	DFT-30kHz-QPSK100M	Left Side	0cm	662000	135	69	Ant 3	DSI3	1	-	21.50	20.69	0.08	2.620	1.000	1.205	3.16
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	0cm	650000	1	1	Ant 3	DSI3	1	-	21.50	20.24	-0.19	2.330	1.000	1.337	3.11
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	0cm	656000	1	1	Ant 3	DSI3	1	-	21.50	20.75	-0.02	2.410	1.000	1.189	2.86
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	0cm	662000	1	1	Ant 3	DSI3	1	-	21.50	20.24	0.15	2.260	1.000	1.337	3.02
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	0cm	662000	1	1	Ant 3	DSI3	1	-	21.50	20.75	0.15	2.190	1.000	1.189	2.60
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	0cm	662000	135	69	Ant 3	DSI3	1	-	21.50	20.24	0.2	2.350	1.000	1.337	3.14
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	0cm	662000	135	69	Ant 3	DSI3	1	-	21.50	20.53	0.09	2.239	1.000	1.250	2.80
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	0cm	662000	135	69	Ant 3	DSI3	1	-	21.50	20.24	-0.18	2.120	1.000	1.337	2.83
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	0cm	662000	135	69	Ant 3	DSI3	1	-	21.50	20.53	0.07	2.050	1.000	1.250	2.56
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	0cm	662000	270	0	Ant 3	DSI3	1	-	21.50	20.65	-0.03	2.510	1.000	1.216	3.05
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	0cm	662000	270	0	Ant 3	DSI3	1	-	21.50	20.65	-0.18	2.230	1.000	1.216	2.71
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	0cm	662000	135	69	Ant 3	DSI3	2	-	21.50	20.69	-0.12	2.490	1.000	1.205	3.00
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	0cm	633334	1	1	Ant 3	DSI6	1	-	21.50	20.28	0.05	2.150	1.000	1.324	2.85
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	633334	1	1	Ant 3	DSI6	1	-	21.50	20.28	0.19	2.100	1.000	1.324	2.78
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	0cm	633334	135	138	Ant 3	DSI6	1	-	21.50	20.16	0.01	2.080	1.000	1.361	2.83
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	633334	135	138	Ant 3	DSI6	1	-	21.50	20.16	0.14	2.100	1.000	1.361	2.86
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	633334	270	0	Ant 3	DSI6	1	-	21.50	20.11	-0.08	2.040	1.000	1.377	2.81
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	0cm	662000	1	1	Ant 3	DSI6	1	-	21.50	20.79	-0.08	2.190	1.000	1.178	2.58
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	662000	1	1	Ant 3	DSI6	1	-	21.50	20.79	0.13	2.510	1.000	1.178	2.96
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	0cm	662000	135	69	Ant 3	DSI6	1	-	21.50	20.69	0.15	2.350	1.000	1.205	2.83
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	662000	135	69	Ant 3	DSI6	1	-	21.50	20.69	0.08	2.620	1.000	1.205	3.16
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	0cm	650000	1	1	Ant 3	DSI6	1	-	21.50	20.24	-0.19	2.330	1.000	1.337	3.11
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	0cm	656000	1	1	Ant 3	DSI6	1	-	21.50	20.75	-0.02	2.410	1.000	1.189	2.86
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	662000	1	1	Ant 3	DSI6	1	-	21.50	20.24	0.15	2.260	1.000	1.337	3.02
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	662000	1	1	Ant 3	DSI6	1	-	21.50	20.75	0.15	2.190	1.000	1.189	2.60
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	0cm	662000	135	69	Ant 3	DSI6	1	-	21.50	20.24	0.2	2.350	1.000	1.337	3.14
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	0cm	662000	135	69	Ant 3	DSI6	1	-	21.50	20.53	0.09	2.239	1.000	1.250	2.80
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	662000	135	69	Ant 3	DSI6	1	-	21.50	20.24	-0.18	2.120	1.000	1.337	2.83
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	662000	135	69	Ant 3	DSI6	1	-	21.50	20.53	0.07	2.050	1.000	1.250	2.56
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	0cm	662000	270	0	Ant 3	DSI6	1	-	21.50	20.65	-0.03	2.510	1.000	1.216	3.05
	FR1 n77(Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	0cm	662000	270	0	Ant 3	DSI6	1	-	21.50	20.65	-0.18	2.230	1.000	1.216	2.71
	WLAN 5.3G	802.11a 6Mbps	Front Face	0cm	60	-	-	Ant 6	DSI3	1	97.88	16.50	15.48	-0.13	0.169	1.022	1.265	0.22
	WLAN 5.3G	802.11a 6Mbps	Rear Face	0cm	60	-	-	Ant 6	DSI3	1	97.88	16.50	15.48	0.06	0.204	1.022	1.265	0.26
	WLAN 5.3G	802.11a 6Mbps	Left Side	0cm	60	-	-	Ant 6	DSI3	1	97.88	16.50	15.48	0.03	0.036	1.022	1.265	0.05
	WLAN 5.3G	802.11a 6Mbps	Right Side	0cm	60	-	-	Ant 6	DSI3	1	97.88	16.50	15.48	-0.07	0.043	1.022	1.265	0.06
P71	WLAN 5.3G	802.11a 6Mbps	Top Side	0cm	60	-	-	Ant 6	DSI3	1	97.88	16.50	15.48	-0.02	0.584	1.022	1.265	0.76
	WLAN 5.3G	802.11a 6Mbps	Right Side	1.1cm	60	-	-	Ant 6	DSI5	1	97.88	20.00	18.77	0.01	0.039	1.022	1.327	0.05
	WLAN 5.3G	802.11a 6Mbps	Top Side	2.2cm	60	-	-	Ant 6	DSI5	1	97.88	20.00	18.77	-0.18	0.082	1.022	1.327	0.11
	WLAN 5.3G	802.11a 6Mbps	Top Side	0cm	60	-	-	Ant 6	DSI3	2	97.88	16.50	15.48	0.03	0.514	1.022	1.265	0.66
	WLAN 5.5G	802.11a 6Mbps	Front Face	0cm	144	-	-	Ant 6	DSI3	1	97.88	13.00	12.72	0.13	0.217	1.022	1.067	0.24
	WLAN 5.5G	802.11a 6Mbps	Rear Face	0cm	144	-	-	Ant 6	DSI3	1	97.88	13.00	12.72	0.09	0.158	1.022	1.067	0.17
	WLAN 5.5G	802.11a 6Mbps	Left Side	0cm	144	-	-	Ant 6	DSI3	1	97.88	13.00	12.72	-0.19	0.026	1.022	1.067	0.03
	WLAN 5.5G	802.11a 6Mbps	Right Side	0cm	144	-	-	Ant 6	DSI3	1	97.88	13.00	12.72	-0.07	0.024	1.022	1.067	0.03
P72	WLAN 5.5G	802.11a 6Mbps	Top Side	0cm	144	-	-	Ant 6	DSI3	1	97.88	13.00	12.72	0.02	0.571	1.022	1.067	0.62
	WLAN 5.5G	802.11a 6Mbps	Right Side	1.1cm	144	-	-	Ant 6	DSI5	1	97.88	20.00	19.59	-0.14	0.040	1.022	1.099	0.05
	WLAN 5.5G	802.11a 6Mbps	Top Side	2.2cm	144	-	-	Ant 6	DSI5	1	97.88	20.00	19.59	-0.18	0.100	1.022	1.099	0.11

Appendix F. Simultaneous Multi-band Transmission Evaluation

The simultaneous transmission evaluation and analysis is shown as below.

< Head Exposure Condition > (ENDC)

WWAN Band (NR)	WWAN Band (LTE)	Exposure Position (0mm)	1	2	3	4	5	1+2 Summed 1g SAR (W/kg)	1+2+3 Summed 1g SAR (W/kg)	1+2+4+5 Summed 1g SAR (W/kg)
			NR	LTE	2.4GHz WLAN	5GHz WLAN	Bluetooth			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
NR n2 (Ant5)	LTE Band 5 (Ant2)	Right Cheek	0.57	0.28	0.26	0.48	0.00	0.85	1.10	1.32
		Right Tilted	0.61	0.14	0.30	0.57	0.00	0.75	1.05	1.32
		Left Cheek	0.31	0.23	0.64	0.46	0.09	0.54	1.18	1.09
		Left Tilted	0.41	0.16	0.37	0.60	0.00	0.58	0.94	1.17
NR n2 (Ant5)	LTE Band 13 (Ant2)	Right Cheek	0.57	0.21	0.26	0.48	0.00	0.78	1.03	1.25
		Right Tilted	0.61	0.12	0.30	0.57	0.00	0.73	1.03	1.31
		Left Cheek	0.31	0.18	0.64	0.46	0.09	0.49	1.13	1.04
		Left Tilted	0.41	0.16	0.37	0.60	0.00	0.57	0.94	1.16
NR n2 (Ant5)	LTE Band 66 (Ant1)	Right Cheek	0.57	0.21	0.26	0.48	0.00	0.78	1.03	1.25
		Right Tilted	0.61	0.25	0.30	0.57	0.00	0.86	1.16	1.43
		Left Cheek	0.31	0.27	0.64	0.46	0.09	0.58	1.22	1.13
		Left Tilted	0.41	0.08	0.37	0.60	0.00	0.50	0.86	1.09
NR n5 (Ant2)	LTE Band 2 (Ant5)	Right Cheek	0.22	0.51	0.26	0.48	0.00	0.73	0.99	1.21
		Right Tilted	0.11	0.59	0.30	0.57	0.00	0.70	1.00	1.27
		Left Cheek	0.21	0.36	0.64	0.46	0.09	0.57	1.21	1.12
		Left Tilted	0.13	0.35	0.37	0.60	0.00	0.48	0.85	1.07
NR n5 (Ant2)	LTE Band 48 (Ant4)	Right Cheek	0.22	0.59	0.26	0.48	0.00	0.82	1.07	1.29
		Right Tilted	0.11	0.48	0.30	0.57	0.00	0.58	0.88	1.16
		Left Cheek	0.21	0.24	0.64	0.46	0.09	0.45	1.10	1.01
		Left Tilted	0.13	0.11	0.37	0.60	0.00	0.24	0.61	0.83
NR n5 (Ant2)	LTE Band 66 (Ant5)	Right Cheek	0.22	0.28	0.26	0.48	0.00	0.50	0.76	0.98
		Right Tilted	0.11	0.38	0.30	0.57	0.00	0.48	0.78	1.06
		Left Cheek	0.21	0.15	0.64	0.46	0.09	0.37	1.01	0.92
		Left Tilted	0.13	0.17	0.37	0.60	0.00	0.30	0.67	0.90
NR n66 (Ant5)	LTE Band 2 (Ant1)	Right Cheek	0.27	0.22	0.26	0.48	0.00	0.49	0.75	0.97
		Right Tilted	0.36	0.19	0.30	0.57	0.00	0.56	0.86	1.13
		Left Cheek	0.13	0.29	0.64	0.46	0.09	0.42	1.07	0.98
		Left Tilted	0.26	0.13	0.37	0.60	0.00	0.39	0.76	0.99
NR n66 (Ant5)	LTE Band 5 (Ant2)	Right Cheek	0.27	0.28	0.26	0.48	0.00	0.55	0.81	1.02
		Right Tilted	0.36	0.14	0.30	0.57	0.00	0.50	0.80	1.07
		Left Cheek	0.13	0.23	0.64	0.46	0.09	0.36	1.00	0.92
		Left Tilted	0.26	0.16	0.37	0.60	0.00	0.42	0.79	1.02
NR n66 (Ant5)	LTE Band 13 (Ant2)	Right Cheek	0.27	0.21	0.26	0.48	0.00	0.48	0.74	0.95
		Right Tilted	0.36	0.12	0.30	0.57	0.00	0.48	0.78	1.06
		Left Cheek	0.13	0.18	0.64	0.46	0.09	0.31	0.96	0.87
		Left Tilted	0.26	0.16	0.37	0.60	0.00	0.42	0.78	1.01
NR n77 (Ant4)	LTE Band 2 (Ant1)	Right Cheek	0.51	0.22	0.26	0.48	0.00	0.74	0.99	1.21
		Right Tilted	0.35	0.19	0.30	0.57	0.00	0.55	0.85	1.12
		Left Cheek	0.25	0.29	0.64	0.46	0.09	0.54	1.18	1.09
		Left Tilted	0.24	0.13	0.37	0.60	0.00	0.38	0.75	0.97
NR n77 (Ant4)	LTE Band 5 (Ant2)	Right Cheek	0.51	0.28	0.26	0.48	0.00	0.79	1.05	1.27
		Right Tilted	0.35	0.14	0.30	0.57	0.00	0.49	0.79	1.06
		Left Cheek	0.25	0.23	0.64	0.46	0.09	0.48	1.12	1.03
		Left Tilted	0.24	0.16	0.37	0.60	0.00	0.41	0.78	1.00
NR n77 (Ant4)	LTE Band 13 (Ant2)	Right Cheek	0.51	0.21	0.26	0.48	0.00	0.72	0.98	1.20
		Right Tilted	0.35	0.12	0.30	0.57	0.00	0.47	0.78	1.05
		Left Cheek	0.25	0.18	0.64	0.46	0.09	0.43	1.07	0.98
		Left Tilted	0.24	0.16	0.37	0.60	0.00	0.40	0.77	0.99
NR n77 (Ant4)	LTE Band 66 (Ant1)	Right Cheek	0.51	0.21	0.26	0.48	0.00	0.72	0.98	1.20
		Right Tilted	0.35	0.25	0.30	0.57	0.00	0.60	0.90	1.17
		Left Cheek	0.25	0.27	0.64	0.46	0.09	0.52	1.16	1.07
		Left Tilted	0.24	0.08	0.37	0.60	0.00	0.33	0.70	0.92

< Head Exposure Condition > (Inter UL CA)

WWAN Band (LTE)	WWAN Band (LTE)	Exposure Position (5mm)	1	2	3	4	5	1+2 Summed 10g SAR (W/kg)	1+2+3 Summed 10g SAR (W/kg)	1+2+4+5 Summed 10g SAR (W/kg)
			LTE	LTE	2.4GHz WLAN	5GHz WLAN	Bluetooth			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
LTE Band 2 (Ant1)	LTE Band 4 (Ant5)	Right Cheek	0.22	0.28	0.26	0.48	0.00	0.50	0.76	0.98
		Right Tilted	0.19	0.38	0.30	0.57	0.00	0.57	0.87	1.15
		Left Cheek	0.29	0.15	0.64	0.46	0.09	0.45	1.09	1.00
		Left Tilted	0.13	0.17	0.37	0.60	0.00	0.31	0.67	0.90
LTE Band 2 (Ant5)	LTE Band 5 (Ant2)	Right Cheek	0.51	0.28	0.26	0.48	0.00	0.79	1.04	1.26
		Right Tilted	0.59	0.14	0.30	0.57	0.00	0.73	1.03	1.30
		Left Cheek	0.36	0.23	0.64	0.46	0.09	0.59	1.23	1.14
		Left Tilted	0.35	0.16	0.37	0.60	0.00	0.51	0.88	1.11
LTE Band 2 (Ant5)	LTE Band 13 (Ant2)	Right Cheek	0.51	0.21	0.26	0.48	0.00	0.72	0.97	1.19
		Right Tilted	0.59	0.12	0.30	0.57	0.00	0.71	1.01	1.29
		Left Cheek	0.36	0.18	0.64	0.46	0.09	0.54	1.18	1.10
		Left Tilted	0.35	0.16	0.37	0.60	0.00	0.50	0.87	1.10
LTE Band 2 (Ant1)	LTE Band 66 (Ant5)	Right Cheek	0.22	0.28	0.26	0.48	0.00	0.50	0.76	0.98
		Right Tilted	0.19	0.38	0.30	0.57	0.00	0.57	0.87	1.15
		Left Cheek	0.29	0.15	0.64	0.46	0.09	0.45	1.09	1.00
		Left Tilted	0.13	0.17	0.37	0.60	0.00	0.31	0.67	0.90
LTE Band 4 (Ant5)	LTE Band 5 (Ant2)	Right Cheek	0.28	0.28	0.26	0.48	0.00	0.56	0.82	1.04
		Right Tilted	0.38	0.14	0.30	0.57	0.00	0.51	0.81	1.09
		Left Cheek	0.15	0.23	0.64	0.46	0.09	0.39	1.03	0.94
		Left Tilted	0.17	0.16	0.37	0.60	0.00	0.34	0.70	0.93
LTE Band 4 (Ant5)	LTE Band 13 (Ant2)	Right Cheek	0.28	0.21	0.26	0.48	0.00	0.49	0.75	0.97
		Right Tilted	0.38	0.12	0.30	0.57	0.00	0.50	0.80	1.07
		Left Cheek	0.15	0.18	0.64	0.46	0.09	0.34	0.98	0.89
		Left Tilted	0.17	0.16	0.37	0.60	0.00	0.33	0.70	0.92
LTE Band 5 (Ant2)	LTE Band 66 (Ant5)	Right Cheek	0.28	0.28	0.26	0.48	0.00	0.56	0.82	1.04
		Right Tilted	0.14	0.38	0.30	0.57	0.00	0.51	0.81	1.09
		Left Cheek	0.23	0.15	0.64	0.46	0.09	0.39	1.03	0.94
		Left Tilted	0.16	0.17	0.37	0.60	0.00	0.34	0.70	0.93
LTE Band 13 (Ant2)	LTE Band 66 (Ant5)	Right Cheek	0.21	0.28	0.26	0.48	0.00	0.49	0.75	0.97
		Right Tilted	0.12	0.38	0.30	0.57	0.00	0.50	0.80	1.07
		Left Cheek	0.18	0.15	0.64	0.46	0.09	0.34	0.98	0.89
		Left Tilted	0.16	0.17	0.37	0.60	0.00	0.33	0.70	0.92

< Hotspot Exposure Condition > (ENDC)

WWAN Band (LTE)	WWAN Band (NR)	Exposure Position (10mm)	1	2	3	4	5	1+2 Summed 1g SAR (W/kg)	1+2+3 Summed 1g SAR (W/kg)	1+2+4+5 Summed 1g SAR (W/kg)
			NR	LTE	2.4GHz WLAN	5GHz WLAN	Bluetooth			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
NR n2 (Ant5)	LTE Band 5 (Ant2)	Front	0.33	0.41	0.09	0.15	0.01	0.74	0.82	0.90
		Back	0.51	0.62	0.23	0.17	0.01	1.13	1.36	1.31
NR n2 (Ant5)	LTE Band 13 (Ant2)	Front	0.33	0.32	0.09	0.15	0.01	0.65	0.73	0.81
		Back	0.51	0.43	0.23	0.17	0.01	0.94	1.17	1.12
NR n2 (Ant5)	LTE Band 66 (Ant1)	Front	0.33	0.18	0.09	0.15	0.01	0.51	0.59	0.67
		Back	0.51	0.42	0.23	0.17	0.01	0.93	1.16	1.11
NR n5 (Ant2)	LTE Band 2 (Ant5)	Front	0.33	0.31	0.09	0.15	0.01	0.63	0.72	0.80
		Back	0.50	0.52	0.23	0.17	0.01	1.02	1.26	1.20
NR n5 (Ant2)	LTE Band 48 (Ant4)	Front	0.33	0.17	0.09	0.15	0.01	0.50	0.58	0.66
		Back	0.50	0.48	0.23	0.17	0.01	0.98	1.22	1.16
NR n5 (Ant2)	LTE Band 66 (Ant5)	Front	0.33	0.13	0.09	0.15	0.01	0.46	0.55	0.62
		Back	0.50	0.35	0.23	0.17	0.01	0.85	1.08	1.03
NR n66 (Ant5)	LTE Band 2 (Ant1)	Front	0.23	0.17	0.09	0.15	0.01	0.40	0.48	0.56
		Back	0.31	0.41	0.23	0.17	0.01	0.72	0.95	0.90
NR n66 (Ant5)	LTE Band 5 (Ant2)	Front	0.23	0.41	0.09	0.15	0.01	0.63	0.72	0.79
		Back	0.31	0.62	0.23	0.17	0.01	0.93	1.16	1.11
NR n66 (Ant5)	LTE Band 13 (Ant2)	Front	0.23	0.32	0.09	0.15	0.01	0.54	0.63	0.70
		Back	0.31	0.43	0.23	0.17	0.01	0.74	0.97	0.92
NR n77 (Ant4)	LTE Band 2 (Ant1)	Front	0.19	0.17	0.09	0.15	0.01	0.36	0.45	0.52
		Back	0.35	0.41	0.23	0.17	0.01	0.75	0.99	0.93
NR n77 (Ant4)	LTE Band 5 (Ant2)	Front	0.19	0.41	0.09	0.15	0.01	0.60	0.68	0.76
		Back	0.35	0.62	0.23	0.17	0.01	0.97	1.20	1.15
NR n77 (Ant4)	LTE Band 13 (Ant2)	Front	0.19	0.32	0.09	0.15	0.01	0.51	0.59	0.67
		Back	0.35	0.43	0.23	0.17	0.01	0.77	1.01	0.95
NR n77 (Ant4)	LTE Band 66 (Ant1)	Front	0.19	0.18	0.09	0.15	0.01	0.37	0.45	0.53
		Back	0.35	0.42	0.23	0.17	0.01	0.77	1.00	0.95

< Hotspot Exposure Condition > (Inter UL CA)

WWAN Band (LTE)	WWAN Band (LTE)	Exposure Position (10mm)	1	2	3	4	5	1+2 Summed 1g SAR (W/kg)	1+2+3 Summed 1g SAR (W/kg)	1+2+4+5 Summed 1g SAR (W/kg)
			LTE	LTE	2.4GHz WLAN	5GHz WLAN	Bluetooth			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
LTE Band 2 (Ant1)	LTE Band 4 (Ant5)	Front	0.17	0.13	0.09	0.15	0.01	0.31	0.39	0.47
		Back	0.41	0.35	0.23	0.17	0.01	0.75	0.99	0.93
LTE Band 2 (Ant5)	LTE Band 5 (Ant2)	Front	0.31	0.41	0.09	0.15	0.01	0.71	0.80	0.87
		Back	0.52	0.62	0.23	0.17	0.01	1.14	1.37	1.32
LTE Band 2 (Ant5)	LTE Band 13 (Ant2)	Front	0.31	0.32	0.09	0.15	0.01	0.62	0.71	0.78
		Back	0.52	0.43	0.23	0.17	0.01	0.95	1.18	1.13
LTE Band 2 (Ant1)	LTE Band 66 (Ant5)	Front	0.17	0.13	0.09	0.15	0.01	0.31	0.39	0.47
		Back	0.41	0.35	0.23	0.17	0.01	0.75	0.99	0.93
LTE Band 4 (Ant5)	LTE Band 5 (Ant2)	Front	0.13	0.41	0.09	0.15	0.01	0.54	0.63	0.70
		Back	0.35	0.62	0.23	0.17	0.01	0.97	1.20	1.15
LTE Band 4 (Ant5)	LTE Band 13 (Ant2)	Front	0.13	0.32	0.09	0.15	0.01	0.45	0.54	0.61
		Back	0.35	0.43	0.23	0.17	0.01	0.77	1.01	0.95
LTE Band 5 (Ant2)	LTE Band 66 (Ant5)	Front	0.41	0.13	0.09	0.15	0.01	0.54	0.63	0.70
		Back	0.62	0.35	0.23	0.17	0.01	0.97	1.20	1.15
LTE Band 13 (Ant2)	LTE Band 66 (Ant5)	Front	0.32	0.13	0.09	0.15	0.01	0.45	0.54	0.61
		Back	0.43	0.35	0.23	0.17	0.01	0.77	1.01	0.95

WWAN Band (LTE)	WWAN Band (NR)	Exposure Position (10mm)	1	2	3	4	5	1+2 Summed 1g SAR (W/kg)	1+2+3 Summed 1g SAR (W/kg)	1+2+4+5 Summed 1g SAR (W/kg)
			NR	LTE	2.4GHz WLAN	5GHz WLAN	Bluetooth			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
NR n2 (Ant5)	LTE Band 5 (Ant2)	Front	0.33	0.41	0.09	0.19	0.01	0.74	0.82	0.93
		Back	0.51	0.62	0.23	0.28	0.01	1.13	1.36	1.42
		Left side	0.05	0.26	0.04	0.14	0.00	0.32	0.35	0.45
		Right side	0.05	0.24	0.08	0.13	0.00	0.29	0.37	0.42
		Top side	0.60		0.12	0.43	0.02	0.60	0.72	1.05
		Bottom side		0.37				0.37	0.37	0.37
NR n2 (Ant5)	LTE Band 13 (Ant2)	Front	0.33	0.32	0.09	0.19	0.01	0.65	0.73	0.84
		Back	0.51	0.43	0.23	0.28	0.01	0.94	1.17	1.23
		Left side	0.05	0.23	0.04	0.14	0.00	0.28	0.32	0.42
		Right side	0.05	0.23	0.08	0.13	0.00	0.28	0.36	0.41
		Top side	0.60		0.12	0.43	0.02	0.60	0.72	1.05
		Bottom side		0.25				0.25	0.25	0.25
NR n2 (Ant5)	LTE Band 66 (Ant1)	Front	0.33	0.18	0.09	0.19	0.01	0.51	0.59	0.70
		Back	0.51	0.42	0.23	0.28	0.01	0.93	1.16	1.22
		Left side	0.05	0.07	0.04	0.14	0.00	0.12	0.16	0.26
		Right side	0.05	0.10	0.08	0.13	0.00	0.15	0.23	0.28
		Top side	0.60		0.12	0.43	0.02	0.60	0.72	1.05
		Bottom side		0.40				0.40	0.40	0.40
NR n5 (Ant2)	LTE Band 2 (Ant5)	Front	0.33	0.31	0.09	0.19	0.01	0.63	0.72	0.83
		Back	0.50	0.52	0.23	0.28	0.01	1.02	1.26	1.31
		Left side	0.23	0.00	0.04	0.14	0.00	0.23	0.27	0.37
		Right side	0.18	0.00	0.08	0.13	0.00	0.18	0.26	0.31
		Top side		0.59	0.12	0.43	0.02	0.59	0.71	1.04
		Bottom side	0.25					0.25	0.25	0.25
NR n5 (Ant2)	LTE Band 48 (Ant4)	Front	0.33	0.17	0.09	0.19	0.01	0.50	0.58	0.69
		Back	0.50	0.48	0.23	0.28	0.01	0.98	1.22	1.28
		Left side	0.23	0.51	0.04	0.14	0.00	0.74	0.78	0.88
		Right side	0.18		0.08	0.13	0.00	0.18	0.26	0.31
		Top side		0.08	0.12	0.43	0.02	0.08	0.19	0.52
		Bottom side	0.25					0.25	0.25	0.25
NR n5 (Ant2)	LTE Band 66 (Ant5)	Front	0.33	0.13	0.09	0.19	0.01	0.46	0.55	0.66
		Back	0.50	0.35	0.23	0.28	0.01	0.85	1.08	1.14
		Left side	0.23	0.00	0.04	0.14	0.00	0.23	0.27	0.37
		Right side	0.18	0.00	0.08	0.13	0.00	0.18	0.26	0.31
		Top side		0.39	0.12	0.43	0.02	0.39	0.51	0.84
		Bottom side	0.25					0.25	0.25	0.25
NR n66 (Ant5)	LTE Band 2 (Ant1)	Front	0.23	0.17	0.09	0.19	0.01	0.40	0.48	0.59
		Back	0.31	0.41	0.23	0.28	0.01	0.72	0.95	1.01
		Left side	0.00	0.06	0.04	0.14	0.00	0.06	0.10	0.20
		Right side	0.00	0.00	0.08	0.13	0.00	0.00	0.08	0.13
		Top side	0.41		0.12	0.43	0.02	0.41	0.52	0.85
		Bottom side		0.43				0.43	0.43	0.43
NR n66 (Ant5)	LTE Band 5 (Ant2)	Front	0.23	0.41	0.09	0.19	0.01	0.63	0.72	0.83
		Back	0.31	0.62	0.23	0.28	0.01	0.93	1.16	1.22
		Left side	0.00	0.26	0.04	0.14	0.00	0.26	0.30	0.40
		Right side	0.00							

WWAN Band (LTE)	WWAN Band (NR)	Exposure Position (10mm)	1	2	3	4	5	1+2 Summed 1g SAR (W/kg)	1+2+3 Summed 1g SAR (W/kg)	1+2+4+5 Summed 1g SAR (W/kg)
			NR	LTE	2.4GHz WLAN	5GHz WLAN	Bluetooth			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
NR n2 (Ant5)	LTE Band 5 (Ant2)	Front	0.33	0.41	0.09	0.19	0.01	0.74	0.82	0.93
		Back	0.51	0.62	0.23	0.28	0.01	1.13	1.36	1.42
		Left side	0.05	0.26	0.04	0.14	0.00	0.32	0.35	0.45
		Right side	0.05	0.24	0.08	0.13	0.00	0.29	0.37	0.42
		Top side	0.60		0.12	0.43	0.02	0.60	0.72	1.05
		Bottom side		0.37				0.37	0.37	0.37
NR n2 (Ant5)	LTE Band 13 (Ant2)	Front	0.33	0.32	0.09	0.19	0.01	0.65	0.73	0.84
		Back	0.51	0.43	0.23	0.28	0.01	0.94	1.17	1.23
		Left side	0.05	0.23	0.04	0.14	0.00	0.28	0.32	0.42
		Right side	0.05	0.23	0.08	0.13	0.00	0.28	0.36	0.41
		Top side	0.60		0.12	0.43	0.02	0.60	0.72	1.05
		Bottom side		0.25				0.25	0.25	0.25
NR n2 (Ant5)	LTE Band 66 (Ant1)	Front	0.33	0.18	0.09	0.19	0.01	0.51	0.59	0.70
		Back	0.51	0.42	0.23	0.28	0.01	0.93	1.16	1.22
		Left side	0.05	0.07	0.04	0.14	0.00	0.12	0.16	0.26
		Right side	0.05	0.10	0.08	0.13	0.00	0.15	0.23	0.28
		Top side	0.60		0.12	0.43	0.02	0.60	0.72	1.05
		Bottom side		0.40				0.40	0.40	0.40
NR n5 (Ant2)	LTE Band 2 (Ant5)	Front	0.33	0.31	0.09	0.19	0.01	0.63	0.72	0.83
		Back	0.50	0.52	0.23	0.28	0.01	1.02	1.26	1.31
		Left side	0.23	0.00	0.04	0.14	0.00	0.23	0.27	0.37
		Right side	0.18	0.00	0.08	0.13	0.00	0.18	0.26	0.31
		Top side		0.59	0.12	0.43	0.02	0.59	0.71	1.04
		Bottom side	0.25					0.25	0.25	0.25
NR n5 (Ant2)	LTE Band 48 (Ant4)	Front	0.33	0.17	0.09	0.19	0.01	0.50	0.58	0.69
		Back	0.50	0.48	0.23	0.28	0.01	0.98	1.22	1.28
		Left side	0.23	0.51	0.04	0.14	0.00	0.74	0.78	0.88
		Right side	0.18		0.08	0.13	0.00	0.18	0.26	0.31
		Top side		0.08	0.12	0.43	0.02	0.08	0.19	0.52
		Bottom side	0.25					0.25	0.25	0.25
NR n5 (Ant2)	LTE Band 66 (Ant5)	Front	0.33	0.13	0.09	0.19	0.01	0.46	0.55	0.66
		Back	0.50	0.35	0.23	0.28	0.01	0.85	1.08	1.14
		Left side	0.23	0.00	0.04	0.14	0.00	0.23	0.27	0.37
		Right side	0.18	0.00	0.08	0.13	0.00	0.18	0.26	0.31
		Top side		0.39	0.12	0.43	0.02	0.39	0.51	0.84
		Bottom side	0.25					0.25	0.25	0.25
NR n66 (Ant5)	LTE Band 2 (Ant1)	Front	0.23	0.17	0.09	0.19	0.01	0.40	0.48	0.59
		Back	0.31	0.41	0.23	0.28	0.01	0.72	0.95	1.01
		Left side	0.00	0.06	0.04	0.14	0.00	0.06	0.10	0.20
		Right side	0.00	0.00	0.08	0.13	0.00	0.00	0.08	0.13
		Top side	0.41		0.12	0.43	0.02	0.41	0.52	0.85
		Bottom side		0.43				0.43	0.43	0.43
NR n66 (Ant5)	LTE Band 5 (Ant2)	Front	0.23	0.41	0.09	0.19	0.01	0.63	0.72	0.83
		Back	0.31	0.62	0.23	0.28	0.01	0.93	1.16	1.22
		Left side	0.00	0.26	0.04	0.14	0.00	0.26	0.30	0.40
		Right side	0.00	0.24	0.08	0.13	0.00	0.24	0.32	0.37
		Top side	0.41		0.12	0.43	0.02	0.41	0.52	0.85
		Bottom side		0.37				0.37	0.37	0.37
NR n66 (Ant5)	LTE Band 13 (Ant2)	Front	0.23	0.32	0.09	0.19	0.01	0.54	0.63	0.74
		Back	0.31	0.43	0.23	0.28	0.01	0.74	0.97	1.03
		Left side	0.00	0.23	0.04	0.14	0.00	0.23	0.26	0.36
		Right side	0.00	0.23	0.08	0.13	0.00	0.23	0.31	0.36
		Top side	0.41		0.12	0.43	0.02	0.41	0.52	0.85
		Bottom side		0.25				0.25	0.25	0.25
NR n77 (Ant4)	LTE Band 2 (Ant1)	Front	0.19	0.17	0.09	0.19	0.01	0.36	0.45	0.56
		Back	0.35	0.41	0.23	0.28	0.01	0.75	0.99	1.04
		Left side	0.48	0.06	0.04	0.14	0.00	0.54	0.58	0.68
		Right side	0.11	0.00	0.08	0.13	0.00	0.11	0.19	0.24
		Top side	0.12		0.12	0.43	0.02	0.12	0.23	0.56
		Bottom side		0.43				0.43	0.43	0.43
NR n77 (Ant4)	LTE Band 5 (Ant2)	Front	0.19	0.41	0.09	0.19	0.01	0.60	0.68	0.79
		Back	0.35	0.62	0.23	0.28	0.01	0.97	1.20	1.26
		Left side	0.48	0.26	0.04	0.14	0.00	0.75	0.78	0.88
		Right side	0.11	0.24	0.08	0.13	0.00	0.35	0.43	0.48
		Top side	0.12		0.12	0.43	0.02	0.12	0.23	0.56
		Bottom side		0.37				0.37	0.37	0.37
NR n77 (Ant4)	LTE Band 13 (Ant2)	Front	0.19	0.32	0.09	0.19	0.01	0.51	0.59	0.70
		Back	0.35	0.43	0.23	0.28	0.01	0.77	1.01	1.07
		Left side	0.48	0.23	0.04	0.14	0.00	0.71	0.75	0.85
		Right side	0.11	0.23	0.08	0.13	0.00	0.34	0.42	0.47
		Top side	0.12		0.12	0.43	0.02	0.12	0.23	0.56
		Bottom side		0.25				0.25	0.25	0.25
NR n77 (Ant4)	LTE Band 66 (Ant1)	Front	0.19	0.18	0.09	0.19	0.01	0.37	0.45	0.56
		Back	0.35	0.42	0.23	0.28	0.01	0.77	1.00	1.06
		Left side	0.48	0.07	0.04	0.14	0.00	0.55	0.59	0.69
		Right side	0.11	0.10	0.08	0.13	0.00	0.21	0.29	0.34
		Top side	0.12		0.12	0.43	0.02	0.12	0.23	0.56
		Bottom side		0.40				0.40	0.40	0.40

< Hotspot Exposure Condition > (Inter UL CA)

WWAN Band (LTE)	WWAN Band (LTE)	Exposure Position (10mm)	1	2	3	4	5	1+2 Summed 1g SAR (W/kg)	1+2+3 Summed 1g SAR (W/kg)	1+2+4+5 Summed 1g SAR (W/kg)
			LTE	LTE	2.4GHz WLAN	5GHz WLAN	Bluetooth			
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
LTE Band 2 (Ant1)	LTE Band 4 (Ant5)	Front	0.17	0.13	0.09	0.19	0.01	0.31	0.39	0.50
		Back	0.41	0.35	0.23	0.28	0.01	0.75	0.99	1.04
		Left side	0.06	0.00	0.04	0.14	0.00	0.06	0.10	0.20
		Right side	0.00	0.00	0.08	0.13	0.00	0.00	0.08	0.13
		Top side		0.39	0.12	0.43	0.02	0.39	0.51	0.84
		Bottom side	0.43					0.43	0.43	0.43
LTE Band 2 (Ant5)	LTE Band 5 (Ant2)	Front	0.31	0.41	0.09	0.19	0.01	0.71	0.80	0.91
		Back	0.52	0.62	0.23	0.28	0.01	1.14	1.37	1.43
		Left side	0.00	0.26	0.04	0.14	0.00	0.26	0.30	0.40
		Right side	0.00	0.24	0.08	0.13	0.00	0.24	0.32	0.37
		Top side	0.59		0.12	0.43	0.02	0.59	0.71	1.04
		Bottom side		0.37				0.37	0.37	0.37
LTE Band 2 (Ant5)	LTE Band 13 (Ant2)	Front	0.31	0.32	0.09	0.19	0.01	0.62	0.71	0.82
		Back	0.52	0.43	0.23	0.28	0.01	0.95	1.18	1.24
		Left side	0.00	0.23	0.04	0.14	0.00	0.23	0.26	0.36
		Right side	0.00	0.23	0.08	0.13	0.00	0.23	0.31	0.36
		Top side	0.59		0.12	0.43	0.02	0.59	0.71	1.04
		Bottom side		0.25				0.25	0.25	0.25
LTE Band 2 (Ant1)	LTE Band 66 (Ant5)	Front	0.17	0.13	0.09	0.19	0.01	0.31	0.39	0.50
		Back	0.41	0.35	0.23	0.28	0.01	0.75	0.99	1.04
		Left side	0.06	0.00	0.04	0.14	0.00	0.06	0.10	0.20
		Right side	0.00	0.00	0.08	0.13	0.00	0.00	0.08	0.13
		Top side		0.39	0.12	0.43	0.02	0.39	0.51	0.84
		Bottom side	0.43					0.43	0.43	0.43
LTE Band 4 (Ant5)	LTE Band 5 (Ant2)	Front	0.13	0.41	0.09	0.19	0.01	0.54	0.63	0.74
		Back	0.35	0.62	0.23	0.28	0.01	0.97	1.20	1.26
		Left side	0.00	0.26	0.04	0.14	0.00	0.26	0.30	0.40
		Right side	0.00	0.24	0.08	0.13	0.00	0.24	0.32	0.37
		Top side	0.39		0.12	0.43	0.02	0.39	0.51	0.84
		Bottom side		0.37				0.37	0.37	0.37
LTE Band 4 (Ant5)	LTE Band 13 (Ant2)	Front	0.13	0.32	0.09	0.19	0.01	0.45	0.54	0.65
		Back	0.35	0.43	0.23	0.28	0.01	0.77	1.01	1.07
		Left side	0.00	0.23	0.04	0.14	0.00	0.23	0.26	0.36
		Right side	0.00	0.23	0.08	0.13	0.00	0.23	0.31	0.36
		Top side	0.39		0.12	0.43	0.02	0.39	0.51	0.84
		Bottom side		0.25				0.25	0.25	0.25
LTE Band 5 (Ant2)	LTE Band 66 (Ant5)	Front	0.41	0.13	0.09	0.19	0.01	0.54	0.63	0.74
		Back	0.62	0.35	0.23	0.28	0.01	0.97	1.20	1.26
		Left side	0.26	0.00	0.04	0.14	0.00	0.26	0.30	0.40
		Right side	0.24	0.00	0.08	0.13	0.00	0.24	0.32	0.37
		Top side		0.39	0.12	0.43	0.02	0.39	0.51	0.84
		Bottom side	0.37					0.37	0.37	0.37
LTE Band 13 (Ant2)	LTE Band 66 (Ant5)	Front	0.32	0.13	0.09	0.19	0.01	0.45	0.54	0.65
		Back	0.43	0.35	0.23	0.28	0.01	0.77	1.01	1.07
		Left side	0.23	0.00	0.04	0.14	0.00	0.23	0.26	0.36
		Right side	0.23	0.00	0.08	0.13	0.00	0.23	0.31	0.36
		Top side		0.39	0.12	0.43	0.02	0.39	0.51	0.84
		Bottom side	0.25					0.25	0.25	0.25

< Extremity Exposure Condition > (ENDC)

WWAN Band (LTE)	WWAN Band (NR)	Exposure Position (0mm)	1	2	3	4	5	1+2 Summed 10g SAR (W/kg)	1+2+3 Summed 10g SAR (W/kg)	1+2+4+5 Summed 10g SAR (W/kg)
			NR	LTE	2.4GHz WLAN	5GHz WLAN	Bluetooth			
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)			
NR n2 (Ant5)	LTE Band 5 (Ant2)	Front				0.24		0.00	0.00	0.24
		Back	0.94			0.26		0.94	0.94	1.21
		Left side				0.05		0.00	0.00	0.05
		Right side				0.06		0.00	0.00	0.06
		Top side	0.86			0.76		0.86	0.86	1.61
		Bottom side						0.00	0.00	0.00
NR n2 (Ant5)	LTE Band 13 (Ant2)	Front				0.24		0.00	0.00	0.24
		Back	0.94			0.26		0.94	0.94	1.21
		Left side				0.05		0.00	0.00	0.05
		Right side				0.06		0.00	0.00	0.06
		Top side	0.86			0.76		0.86	0.86	1.61
		Bottom side						0.00	0.00	0.00
NR n2 (Ant5)	LTE Band 66 (Ant1)	Front				0.24		0.00	0.00	0.24
		Back		1.79		0.26		1.79	1.79	2.06
		Left side				0.05		0.00	0.00	0.05
		Right side				0.06		0.00	0.00	0.06
		Top side				0.76		0.00	0.00	0.76
		Bottom side		0.83				0.83	0.83	0.83
NR n5 (Ant2)	LTE Band 2 (Ant5)	Front				0.24		0.00	0.00	0.24
		Back		0.94		0.26		0.94	0.94	1.21
		Left side				0.05		0.00	0.00	0.05
		Right side				0.06		0.00	0.00	0.06
		Top side		0.86		0.76		0.86	0.86	1.61
		Bottom side						0.00	0.00	0.00
NR n5 (Ant2)	LTE Band 48 (Ant4)	Front				0.24		0.00	0.00	0.24
		Back		1.30		0.26		1.30	1.30	1.56
		Left side		1.05		0.05		1.05	1.05	1.10
		Right side				0.06		0.00	0.00	0.06
		Top side				0.76		0.00	0.00	0.76
		Bottom side						0.00	0.00	0.00
NR n5 (Ant2)	LTE Band 66 (Ant5)	Front				0.24		0.00	0.00	0.24
		Back		0.79		0.26		0.79	0.79	1.05
		Left side				0.05		0.00	0.00	0.05
		Right side				0.06		0.00	0.00	0.06
		Top side		1.24		0.76		1.24	1.24	1.99
		Bottom side						0.00	0.00	0.00
NR n66 (Ant5)	LTE Band 2 (Ant1)	Front				0.24		0.00	0.00	0.24
		Back	1.35	1.82		0.26		3.17	3.17	3.43
		Left side				0.05		0.00	0.00	0.05
		Right side				0.06		0.00	0.00	0.06
		Top side	2.27			0.76		2.27	2.27	3.02
		Bottom side		0.71				0.71	0.71	0.71
NR n66 (Ant5)	LTE Band 5 (Ant2)	Front				0.24		0.00	0.00	0.24
		Back	1.35			0.26		1.35	1.35	1.61
		Left side				0.05		0.00	0.00	0.05
		Right side				0.06		0.00	0.00	0.06
		Top side	2.27			0.76		2.27	2.27	3.02
		Bottom side						0.00	0.00	0.00
NR n66 (Ant5)	LTE Band 13 (Ant2)	Front				0.24		0.00	0.00	0.24
		Back	1.35			0.26		1.35	1.35	1.61
		Left side				0.05		0.00	0.00	0.05
		Right side				0.06		0.00	0.00	0.06
		Top side	2.27			0.76		2.27	2.27	3.02
		Bottom side						0.00	0.00	0.00
NR n77 (Ant4)	LTE Band 2 (Ant1)	Front				0.24		0.00	0.00	0.24
		Back	1.50	1.82		0.26		3.32	3.32	3.58
		Left side	1.51			0.05		1.51	1.51	1.56
		Right side				0.06		0.00	0.00	0.06
		Top side				0.76		0.00	0.00	0.76
		Bottom side		0.71				0.71	0.71	0.71
NR n77 (Ant4)	LTE Band 5 (Ant2)	Front				0.24		0.00	0.00	0.24
		Back	1.50			0.26		1.50	1.50	1.76
		Left side	1.51			0.05		1.51	1.51	1.56
		Right side				0.06		0.00	0.00	0.06
		Top side				0.76		0.00	0.00	0.76
		Bottom side						0.00	0.00	0.00
NR n77 (Ant4)	LTE Band 13 (Ant2)	Front				0.24		0.00	0.00	0.24
		Back	1.50			0.26		1.50	1.50	1.76
		Left side	1.51			0.05		1.51	1.51	1.56
		Right side				0.06		0.00	0.00	0.06
		Top side				0.76		0.00	0.00	0.76
		Bottom side						0.00	0.00	0.00
NR n77 (Ant4)	LTE Band 66 (Ant1)	Front				0.24		0.00	0.00	0.24
		Back	1.50	1.79		0.26		3.29	3.29	3.55
		Left side	1.51			0.05		1.51	1.51	1.56
		Right side				0.06		0.00	0.00	0.06
		Top side				0.76		0.00	0.00	0.76
		Bottom side		0.83				0.83	0.83	0.83

< Extremity Exposure Condition > (Inter UL CA)

WWAN Band (LTE)	WWAN Band (LTE)	Exposure Position (0mm)	1	2	3	4	5	1+2 Summed 10g SAR (W/kg)	1+2+3 Summed 10g SAR (W/kg)	1+2+4+5 Summed 10g SAR (W/kg)
			LTE 10g SAR (W/kg)	LTE 10g SAR (W/kg)	2.4GHz WLAN 10g SAR (W/kg)	5GHz WLAN 10g SAR (W/kg)	Bluetooth 10g SAR (W/kg)			
LTE Band 2 (Ant1)	LTE Band 4 (Ant5)	Front				0.24		0.00	0.00	0.24
		Back	1.82	0.79		0.26		2.61	2.61	2.88
		Left side				0.05		0.00	0.00	0.05
		Right side				0.06		0.00	0.00	0.06
		Top side		1.24		0.76		1.24	1.24	1.99
		Bottom side	0.71					0.71	0.71	0.71
LTE Band 2 (Ant5)	LTE Band 5 (Ant2)	Front				0.24		0.00	0.00	0.24
		Back	0.94			0.26		0.94	0.94	1.21
		Left side				0.05		0.00	0.00	0.05
		Right side				0.06		0.00	0.00	0.06
		Top side	0.86			0.76		0.86	0.86	1.61
		Bottom side						0.00	0.00	0.00
LTE Band 2 (Ant5)	LTE Band 13 (Ant2)	Front				0.24		0.00	0.00	0.24
		Back	0.94			0.26		0.94	0.94	1.21
		Left side				0.05		0.00	0.00	0.05
		Right side				0.06		0.00	0.00	0.06
		Top side	0.86			0.76		0.86	0.86	1.61
		Bottom side						0.00	0.00	0.00
LTE Band 2 (Ant1)	LTE Band 66 (Ant5)	Front				0.24		0.00	0.00	0.24
		Back	1.82	0.79		0.26		2.61	2.61	2.88
		Left side				0.05		0.00	0.00	0.05
		Right side				0.06		0.00	0.00	0.06
		Top side		1.24		0.76		1.24	1.24	1.99
		Bottom side	0.71					0.71	0.71	0.71
LTE Band 4 (Ant5)	LTE Band 5 (Ant2)	Front				0.24		0.00	0.00	0.24
		Back	0.79			0.26		0.79	0.79	1.05
		Left side				0.05		0.00	0.00	0.05
		Right side				0.06		0.00	0.00	0.06
		Top side	1.24			0.76		1.24	1.24	1.99
		Bottom side						0.00	0.00	0.00
LTE Band 4 (Ant5)	LTE Band 13 (Ant2)	Front				0.24		0.00	0.00	0.24
		Back	0.79			0.26		0.79	0.79	1.05
		Left side				0.05		0.00	0.00	0.05
		Right side				0.06		0.00	0.00	0.06
		Top side	1.24			0.76		1.24	1.24	1.99
		Bottom side						0.00	0.00	0.00
LTE Band 5 (Ant2)	LTE Band 66 (Ant5)	Front				0.24		0.00	0.00	0.24
		Back		0.79		0.26		0.79	0.79	1.05
		Left side				0.05		0.00	0.00	0.05
		Right side				0.06		0.00	0.00	0.06
		Top side		1.24		0.76		1.24	1.24	1.99
		Bottom side						0.00	0.00	0.00
LTE Band 13 (Ant2)	LTE Band 66 (Ant5)	Front				0.24		0.00	0.00	0.24
		Back		0.79		0.26		0.79	0.79	1.05
		Left side				0.05		0.00	0.00	0.05
		Right side				0.06		0.00	0.00	0.06
		Top side		1.24		0.76		1.24	1.24	1.99
		Bottom side						0.00	0.00	0.00

<Head Exposure Condition > (Sim-Tx)

WWAN Band	Exposure Position (0mm)	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth		
		1g SAR (W/ka)	1g SAR (W/ka)	1g SAR (W/ka)	1g SAR (W/ka)		
GSM850	Right Cheek	0.34	0.26	0.48	0.00	0.60	0.82
	Right Tilted	0.13	0.30	0.57	0.00	0.44	0.71
	Left Cheek	0.23	0.64	0.46	0.09	0.87	0.79
	Left Tilted	0.16	0.37	0.60	0.00	0.52	0.75
GSM1900	Right Cheek	0.13	0.26	0.48	0.00	0.39	0.61
	Right Tilted	0.12	0.30	0.57	0.00	0.42	0.70
	Left Cheek	0.19	0.64	0.46	0.09	0.83	0.74
	Left Tilted	0.08	0.37	0.60	0.00	0.45	0.67
WCDMA II	Right Cheek	0.24	0.26	0.48	0.00	0.50	0.72
	Right Tilted	0.18	0.30	0.57	0.00	0.48	0.75
	Left Cheek	0.32	0.64	0.46	0.09	0.96	0.87
	Left Tilted	0.13	0.37	0.60	0.00	0.49	0.72
WCDMA V	Right Cheek	0.31	0.26	0.48	0.00	0.57	0.78
	Right Tilted	0.14	0.30	0.57	0.00	0.44	0.71
	Left Cheek	0.23	0.64	0.46	0.09	0.87	0.79
	Left Tilted	0.17	0.37	0.60	0.00	0.54	0.76
LTE Band 2 (ANT1)	Right Cheek	0.22	0.26	0.48	0.00	0.48	0.70
	Right Tilted	0.19	0.30	0.57	0.00	0.49	0.77
	Left Cheek	0.29	0.64	0.46	0.09	0.93	0.85
	Left Tilted	0.13	0.37	0.60	0.00	0.50	0.73
LTE Band 5	Right Cheek	0.28	0.26	0.48	0.00	0.54	0.76
	Right Tilted	0.14	0.30	0.57	0.00	0.44	0.71
	Left Cheek	0.23	0.64	0.46	0.09	0.87	0.79
	Left Tilted	0.16	0.37	0.60	0.00	0.53	0.76
LTE Band 7	Right Cheek	0.38	0.26	0.48	0.00	0.64	0.85
	Right Tilted	0.60	0.30	0.57	0.00	0.90	1.18
	Left Cheek	0.08	0.64	0.46	0.09	0.72	0.63
	Left Tilted	0.15	0.37	0.60	0.00	0.52	0.75
LTE Band 12	Right Cheek	0.13	0.26	0.48	0.00	0.39	0.61
	Right Tilted	0.08	0.30	0.57	0.00	0.38	0.66
	Left Cheek	0.09	0.64	0.46	0.09	0.73	0.64
	Left Tilted	0.10	0.37	0.60	0.00	0.46	0.69
LTE Band 13	Right Cheek	0.21	0.26	0.48	0.00	0.47	0.69
	Right Tilted	0.12	0.30	0.57	0.00	0.42	0.69
	Left Cheek	0.18	0.64	0.46	0.09	0.82	0.74
	Left Tilted	0.16	0.37	0.60	0.00	0.52	0.75
LTE Band 48	Right Cheek	0.77	0.26	0.48	0.00	1.03	1.25
	Right Tilted	0.42	0.30	0.57	0.00	0.72	0.99
	Left Cheek	0.18	0.64	0.46	0.09	0.82	0.73
	Left Tilted	0.14	0.37	0.60	0.00	0.51	0.73
LTE Band 66/4 (ANT1)	Right Cheek	0.21	0.26	0.48	0.00	0.47	0.69
	Right Tilted	0.25	0.30	0.57	0.00	0.55	0.82
	Left Cheek	0.27	0.64	0.46	0.09	0.91	0.83
	Left Tilted	0.08	0.37	0.60	0.00	0.45	0.68
NR n2 (ANT1)	Right Cheek	0.19	0.26	0.48	0.00	0.45	0.67
	Right Tilted	0.17	0.30	0.57	0.00	0.47	0.74
	Left Cheek	0.27	0.64	0.46	0.09	0.91	0.82
	Left Tilted	0.11	0.37	0.60	0.00	0.48	0.71
NR n5	Right Cheek	0.22	0.26	0.48	0.00	0.48	0.70
	Right Tilted	0.11	0.30	0.57	0.00	0.41	0.68
	Left Cheek	0.21	0.64	0.46	0.09	0.85	0.77
	Left Tilted	0.13	0.37	0.60	0.00	0.50	0.73
NR n48	Right Cheek	0.69	0.26	0.48	0.00	0.95	1.16
	Right Tilted	0.49	0.30	0.57	0.00	0.79	1.06
	Left Cheek	0.85	0.64	0.46	0.09	1.49	1.40
	Left Tilted	0.66	0.37	0.60	0.00	1.03	1.25
NR n66 (ANT1)	Right Cheek	0.18	0.26	0.48	0.00	0.44	0.66
	Right Tilted	0.13	0.30	0.57	0.00	0.44	0.71
	Left Cheek	0.37	0.64	0.46	0.09	1.01	0.92
	Left Tilted	0.11	0.37	0.60	0.00	0.48	0.70
NR n77	Right Cheek	0.82	0.26	0.48	0.00	1.08	1.30
	Right Tilted	0.68	0.30	0.57	0.00	0.98	1.26
	Left Cheek	0.72	0.64	0.46	0.09	1.36	1.27
	Left Tilted	0.43	0.37	0.60	0.00	0.80	1.03

<Hotspot Exposure Condition > (Sim-Tx)

WWAN Band	Exposure Position (10mm)	1	2	3	4	1+2	1+3+4
		WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM850	Front	0.62	0.09	0.15	0.01	0.70	0.78
	Back	0.64	0.23	0.17	0.01	0.88	0.82
GSM1900	Front	0.36	0.09	0.15	0.01	0.45	0.52
	Back	1.10	0.23	0.17	0.01	1.33	1.28
WCDMA II	Front	0.43	0.09	0.15	0.01	0.51	0.59
	Back	0.74	0.23	0.17	0.01	0.97	0.92
WCDMA V	Front	0.34	0.09	0.15	0.01	0.42	0.50
	Back	0.58	0.23	0.17	0.01	0.81	0.76
LTE Band 2 (ANT1)	Front	0.25	0.09	0.15	0.01	0.33	0.41
	Back	0.78	0.23	0.17	0.01	1.02	0.96
LTE Band 5	Front	0.41	0.09	0.15	0.01	0.49	0.57
	Back	0.62	0.23	0.17	0.01	0.85	0.80
LTE Band 7	Front	0.26	0.09	0.15	0.01	0.35	0.42
	Back	0.67	0.23	0.17	0.01	0.90	0.85
LTE Band 12	Front	0.22	0.09	0.15	0.01	0.30	0.38
	Back	0.28	0.23	0.17	0.01	0.52	0.46
LTE Band 13	Front	0.32	0.09	0.15	0.01	0.40	0.48
	Back	0.43	0.23	0.17	0.01	0.66	0.61
LTE Band 48	Front	0.18	0.09	0.15	0.01	0.27	0.34
	Back	0.86	0.23	0.17	0.01	1.09	1.04
LTE Band 66/4 (ANT1)	Front	0.23	0.09	0.15	0.01	0.32	0.39
	Back	0.82	0.23	0.17	0.01	1.06	1.00
NR n2 (ANT1)	Front	0.35	0.09	0.15	0.01	0.44	0.51
	Back	0.79	0.23	0.17	0.01	1.03	0.97
NR n5	Front	0.33	0.09	0.15	0.01	0.41	0.49
	Back	0.50	0.23	0.17	0.01	0.74	0.68
NR n48	Front	0.40	0.09	0.15	0.01	0.49	0.57
	Back	1.06	0.23	0.17	0.01	1.29	1.24
NR n66 (ANT1)	Front	0.27	0.09	0.15	0.01	0.35	0.43
	Back	0.81	0.23	0.17	0.01	1.05	0.99
NR n77	Front	0.31	0.09	0.15	0.01	0.39	0.47
	Back	0.92	0.23	0.17	0.01	1.16	1.10

<Hotspot Exposure Condition > (Sim-Tx)

WWAN Band	Exposure Position (10mm)	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
GSM850	Front	0.62	0.09	0.19	0.01	0.70	0.81
	Back	0.64	0.23	0.28	0.01	0.88	0.93
	Left side	0.25	0.04	0.14	0.00	0.29	0.39
	Right side	0.18	0.08	0.13	0.00	0.26	0.31
	Top side		0.12	0.43	0.02	0.12	0.45
	Bottom side	0.29				0.29	0.29
GSM1900	Front	0.36	0.09	0.19	0.01	0.45	0.56
	Back	1.10	0.23	0.28	0.01	1.33	1.39
	Left side	0.15	0.04	0.14	0.00	0.19	0.29
	Right side	0.22	0.08	0.13	0.00	0.30	0.35
	Top side		0.12	0.43	0.02	0.12	0.45
	Bottom side	0.98				0.98	0.98
WCDMA II	Front	0.43	0.09	0.19	0.01	0.51	0.62
	Back	0.74	0.23	0.28	0.01	0.97	1.03
	Left side	0.00	0.04	0.14	0.00	0.04	0.14
	Right side	0.30	0.08	0.13	0.00	0.38	0.43
	Top side		0.12	0.43	0.02	0.12	0.45
	Bottom side	0.57				0.57	0.57
WCDMA V	Front	0.34	0.09	0.19	0.01	0.42	0.53
	Back	0.58	0.23	0.28	0.01	0.81	0.87
	Left side	0.25	0.04	0.14	0.00	0.28	0.38
	Right side	0.19	0.08	0.13	0.00	0.27	0.32
	Top side		0.12	0.43	0.02	0.12	0.45
	Bottom side	0.29				0.29	0.29
LTE Band 2 (ANT1)	Front	0.25	0.09	0.19	0.01	0.33	0.44
	Back	0.78	0.23	0.28	0.01	1.02	1.08
	Left side	0.08	0.04	0.14	0.00	0.11	0.21
	Right side	0.21	0.08	0.13	0.00	0.29	0.34
	Top side		0.12	0.43	0.02	0.12	0.45
	Bottom side	0.55				0.55	0.55
LTE Band 5	Front	0.41	0.09	0.19	0.01	0.49	0.60
	Back	0.62	0.23	0.28	0.01	0.85	0.91
	Left side	0.26	0.04	0.14	0.00	0.30	0.40
	Right side	0.24	0.08	0.13	0.00	0.32	0.37
	Top side		0.12	0.43	0.02	0.12	0.45
	Bottom side	0.37				0.37	0.37
LTE Band 7	Front	0.26	0.09	0.19	0.01	0.35	0.46
	Back	0.67	0.23	0.28	0.01	0.90	0.96
	Left side	0.19	0.04	0.14	0.00	0.23	0.33
	Right side	0.00	0.08	0.13	0.00	0.08	0.13
	Top side	0.80	0.12	0.43	0.02	0.92	1.24
	Bottom side					0.00	0.00
LTE Band 12	Front	0.22	0.09	0.19	0.01	0.30	0.41
	Back	0.28	0.23	0.28	0.01	0.52	0.57
	Left side	0.31	0.04	0.14	0.00	0.35	0.45
	Right side	0.23	0.08	0.13	0.00	0.31	0.36
	Top side		0.12	0.43	0.02	0.12	0.45
	Bottom side	0.19				0.19	0.19
LTE Band 13	Front	0.32	0.09	0.19	0.01	0.40	0.51
	Back	0.43	0.23	0.28	0.01	0.66	0.72
	Left side	0.23	0.04	0.14	0.00	0.26	0.36
	Right side	0.23	0.08	0.13	0.00	0.31	0.36
	Top side		0.12	0.43	0.02	0.12	0.45
	Bottom side	0.25				0.25	0.25
LTE Band 48	Front	0.18	0.09	0.19	0.01	0.27	0.38
	Back	0.86	0.23	0.28	0.01	1.09	1.15
	Left side	0.82	0.04	0.14	0.00	0.85	0.95
	Right side		0.08	0.13	0.00	0.08	0.13
	Top side	0.08	0.12	0.43	0.02	0.20	0.52
	Bottom side					0.00	0.00
LTE Band 66/4 (ANT1)	Front	0.23	0.09	0.19	0.01	0.32	0.43
	Back	0.82	0.23	0.28	0.01	1.06	1.11
	Left side	0.09	0.04	0.14	0.00	0.12	0.22
	Right side	0.13	0.08	0.13	0.00	0.21	0.26
	Top side		0.12	0.43	0.02	0.12	0.45
	Bottom side	0.55				0.55	0.55

NR n2 (ANT1)	Front	0.35	0.09	0.19	0.01	0.44	0.55
	Back	0.79	0.23	0.28	0.01	1.03	1.08
	Left side	0.11	0.04	0.14	0.00	0.15	0.25
	Right side	0.29	0.08	0.13	0.00	0.37	0.42
	Top side		0.12	0.43	0.02	0.12	0.45
	Bottom side	0.81				0.81	0.81
NR n5	Front	0.33	0.09	0.19	0.01	0.41	0.52
	Back	0.50	0.23	0.28	0.01	0.74	0.80
	Left side	0.23	0.04	0.14	0.00	0.27	0.37
	Right side	0.18	0.08	0.13	0.00	0.26	0.31
	Top side		0.12	0.43	0.02	0.12	0.45
	Bottom side	0.25				0.25	0.25
NR n48	Front	0.40	0.09	0.19	0.01	0.49	0.60
	Back	1.06	0.23	0.28	0.01	1.29	1.35
	Left side	0.64	0.04	0.14	0.00	0.67	0.77
	Right side	0.93	0.08	0.13	0.00	1.01	1.06
	Top side	0.63	0.12	0.43	0.02	0.74	1.07
	Bottom side					0.00	0.00
NR n66 (ANT1)	Front	0.27	0.09	0.19	0.01	0.35	0.46
	Back	0.81	0.23	0.28	0.01	1.05	1.11
	Left side	0.10	0.04	0.14	0.00	0.13	0.23
	Right side	0.14	0.08	0.13	0.00	0.22	0.27
	Top side		0.12	0.43	0.02	0.12	0.45
	Bottom side	0.57				0.57	0.57
NR n77	Front	0.31	0.09	0.19	0.01	0.39	0.50
	Back	0.92	0.23	0.28	0.01	1.16	1.22
	Left side	1.01	0.04	0.14	0.00	1.04	1.14
	Right side	0.80	0.08	0.13	0.00	0.88	0.93
	Top side	0.69	0.12	0.43	0.02	0.81	1.13
	Bottom side					0.00	0.00

<Extremity Exposure Condition > (Sim-Tx)

WWAN Band	Exposure Position (0mm)	1	2	3	4	1+2 Summed 10g SAR (W/kg)	1+3+4 Summed 10g SAR (W/kg)
		WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth		
		10g SAR (W/ka)	10g SAR (W/ka)	10g SAR (W/ka)	10g SAR (W/ka)		
WCDMA II (Ant1)	Front			0.24		0.00	0.24
	Back	3.10		0.26		3.10	3.37
	Left side			0.05		0.00	0.05
	Right side			0.06		0.00	0.06
	Top side			0.76		0.00	0.76
	Bottom side					0.00	0.00
LTE Band 2 (Ant1)	Front			0.24		0.00	0.24
	Back	2.97		0.26		2.97	3.24
	Left side			0.05		0.00	0.05
	Right side			0.06		0.00	0.06
	Top side			0.76		0.00	0.76
	Bottom side	1.11				1.11	1.11
LTE Band 7 (Ant5)	Front			0.24		0.00	0.24
	Back	2.37		0.26		2.37	2.63
	Left side			0.05		0.00	0.05
	Right side			0.06		0.00	0.06
	Top side	1.18		0.76		1.18	1.93
	Bottom side					0.00	0.00
LTE Band 48 (Ant4)	Front			0.24		0.00	0.24
	Back	1.61		0.26		1.61	1.88
	Left side	1.35		0.05		1.35	1.40
	Right side			0.06		0.00	0.06
	Top side			0.76		0.00	0.76
	Bottom side					0.00	0.00
LTE Band 66/4 (Ant1)	Front			0.24		0.00	0.24
	Back	2.91		0.26		2.91	3.17
	Left side			0.05		0.00	0.05
	Right side			0.06		0.00	0.06
	Top side			0.76		0.00	0.76
	Bottom side	1.15				1.15	1.15
NR n2 (Ant1)	Front			0.24		0.00	0.24
	Back	3.02		0.26		3.02	3.29
	Left side			0.05		0.00	0.05
	Right side			0.06		0.00	0.06
	Top side			0.76		0.00	0.76
	Bottom side	1.25				1.25	1.25
NR n48 (Ant4)	Front			0.24		0.00	0.24
	Back	2.74		0.26		2.74	3.00
	Left side			0.05		0.00	0.05
	Right side			0.06		0.00	0.06
	Top side			0.76		0.00	0.76
	Bottom side					0.00	0.00
NR n66 (Ant1)	Front			0.24		0.00	0.24
	Back	3.03		0.26		3.03	3.29
	Left side			0.05		0.00	0.05
	Right side			0.06		0.00	0.06
	Top side			0.76		0.00	0.76
	Bottom side	1.34				1.34	1.34
NR n77	Front			0.24		0.00	0.24
	Back	3.14		0.26		3.14	3.41
	Left side	3.16		0.05		3.16	3.20
	Right side			0.06		0.00	0.06
	Top side			0.76		0.00	0.76
	Bottom side					0.00	0.00

Appendix G. Photographs of EUT and SAR Setup