



In Collaboration with

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CALIBRATION LABORATORY

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10269	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	± 9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAD	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAD	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAD	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279	CAG	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	CAG	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	CAG	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10292	CAG	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	CAG	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	CAG	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10297	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %
10300	CAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	CAC	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10302	CAB	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WiMAX	12.57	± 9.6 %
10303	CAB	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	CAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10305	CAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	15.24	± 9.6 %
10306	CAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	14.67	± 9.6 %
10307	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WiMAX	14.49	± 9.6 %
10308	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10309	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3)	WiMAX	14.58	± 9.6 %
10310	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3)	WiMAX	14.57	± 9.6 %
10311	AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAD	iDEN 1:3	iDEN	10.51	± 9.6 %
10314	AAD	iDEN 1:6	iDEN	13.48	± 9.6 %
10315	AAD	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	± 9.6 %
10316	AAD	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10317	AAA	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	± 9.6 %
10401	AAA	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6 %
10402	AAA	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAD	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410	AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	± 9.6 %
10422	AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAE	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAE	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAE	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %



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10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAG	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10447	AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	± 9.6 %
10450	AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10453	AAC	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
10456	AAC	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	± 9.6 %
10457	AAC	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAC	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAC	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAC	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	± 9.6 %
10463	AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10467	AAA	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10469	AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10470	AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10471	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10472	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10473	AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10474	AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10477	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10478	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10482	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	± 9.6 %
10483	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	± 9.6 %
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	± 9.6 %
10485	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
10486	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	± 9.6 %
10487	AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	± 9.6 %
10488	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	± 9.6 %
10489	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	± 9.6 %
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	± 9.6 %
10496	AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10497	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10498	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	± 9.6 %
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	± 9.6 %
10500	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10501	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %



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10503	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	± 9.6 %
10504	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10505	AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10506	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10507	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	± 9.6 %
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	± 9.6 %
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	± 9.6 %
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	± 9.6 %
10514	AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10515	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10516	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	± 9.6 %
10517	AAF	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10518	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10519	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	± 9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	± 9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	± 9.6 %
10524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	± 9.6 %
10525	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	± 9.6 %
10526	AAF	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6 %
10527	AAF	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	± 9.6 %
10528	AAF	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAF	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10531	AAF	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
10532	AAF	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10533	AAE	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534	AAE	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAE	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAF	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAF	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAF	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.65	± 9.6 %
10544	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	± 9.6 %
10545	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10546	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.35	± 9.6 %
10547	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	± 9.6 %
10548	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	± 9.6 %
10550	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.38	± 9.6 %
10551	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	± 9.6 %
10552	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	± 9.6 %
10553	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10564	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %



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10566	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10578	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10582	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10591	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10593	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10594	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	± 9.6 %
10596	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
10602	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %
10604	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %
10605	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97	± 9.6 %
10606	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10607	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6 %
10610	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAC	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10614	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
10615	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10616	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10617	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	± 9.6 %
10618	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	± 9.6 %
10619	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	± 9.6 %
10620	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAC	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10622	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	± 9.6 %
10623	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10624	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	± 9.6 %



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10625	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10628	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	± 9.6 %
10629	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10630	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	± 9.6 %
10631	AAC	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10633	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.11	± 9.6 %
10646	AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAC	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAC	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAC	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAC	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAC	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAC	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAC	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAC	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAD	IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	9.09	± 9.6 %
10672	AAD	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %
10673	AAD	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAD	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAD	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAD	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAD	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAD	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAD	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAD	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAG	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAF	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10684	AAC	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAC	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAE	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAE	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAD	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAE	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAB	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %



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10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706	AAC	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAC	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAC	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAC	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAC	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAC	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAC	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10713	AAC	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
10714	AAC	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
10715	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAC	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10717	AAC	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAC	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
10719	AAC	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10720	AAC	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10721	AAC	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAC	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAC	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAC	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAC	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAC	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAC	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
10728	AAC	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %
10729	AAC	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAC	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAC	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAC	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %
10736	AAC	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAC	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAC	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAC	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAC	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAC	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAC	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAC	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAC	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAC	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAC	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAC	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAC	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %



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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.

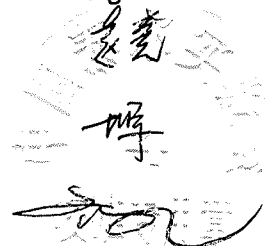
All calibrations have been conducted in the closed laboratory facility: environment temperature $(22\pm3)^{\circ}\text{C}$ and humidity $<70\%$.

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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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

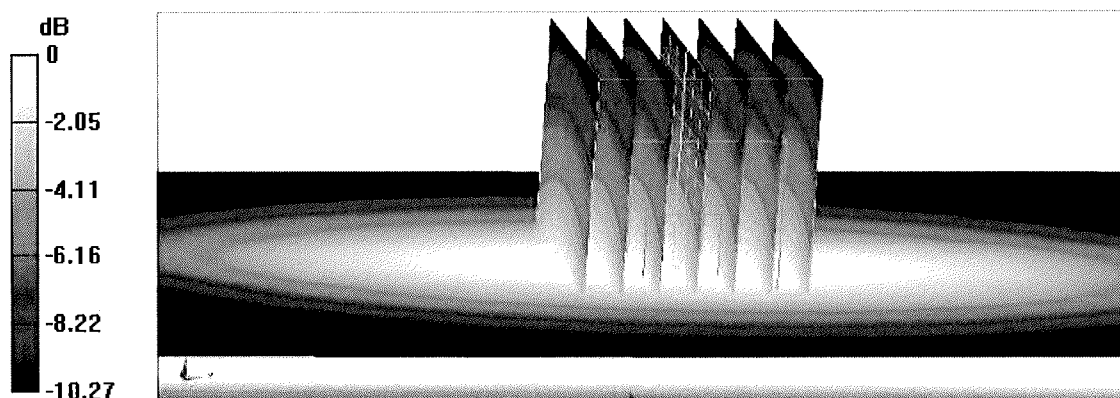
Peak SAR (extrapolated) = 3.39 W/kg

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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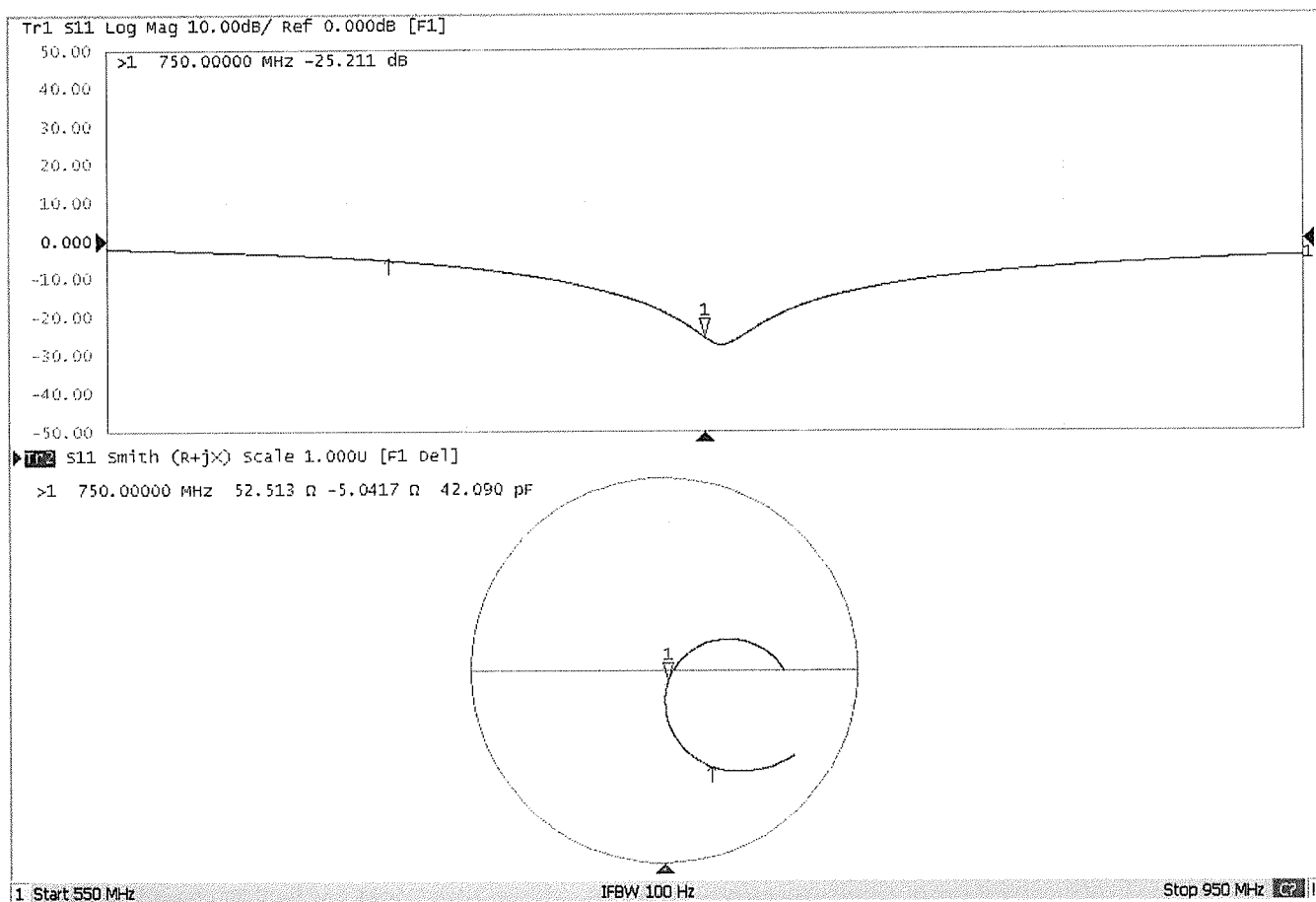
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Impedance Measurement Plot for Head TSL



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

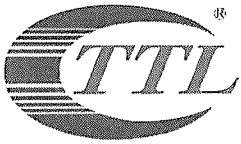
	Name	Function
Calibrated by:	Zhao Jing	SAR Test Engineer
Reviewed by:	Lin Jun	SAR Test Engineer
Approved by:	Qi Dianyuan	SAR Project Leader

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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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

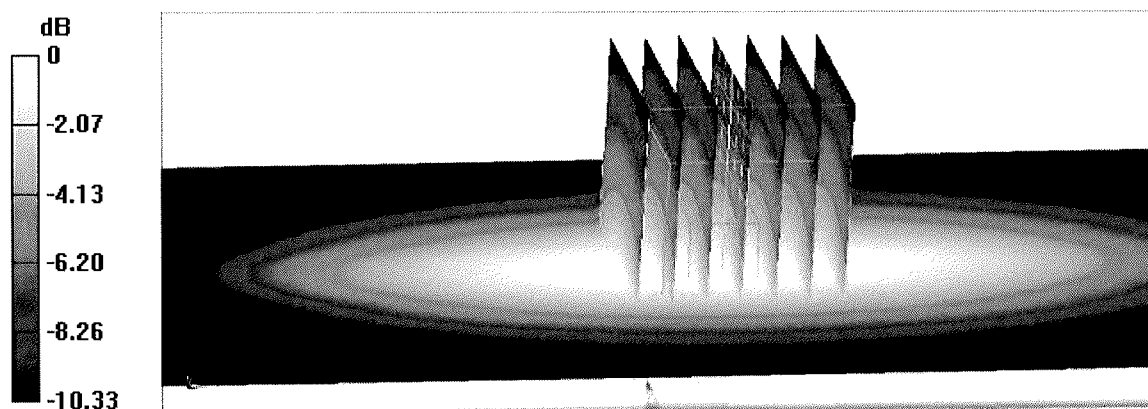
Peak SAR (extrapolated) = 3.87 W/kg

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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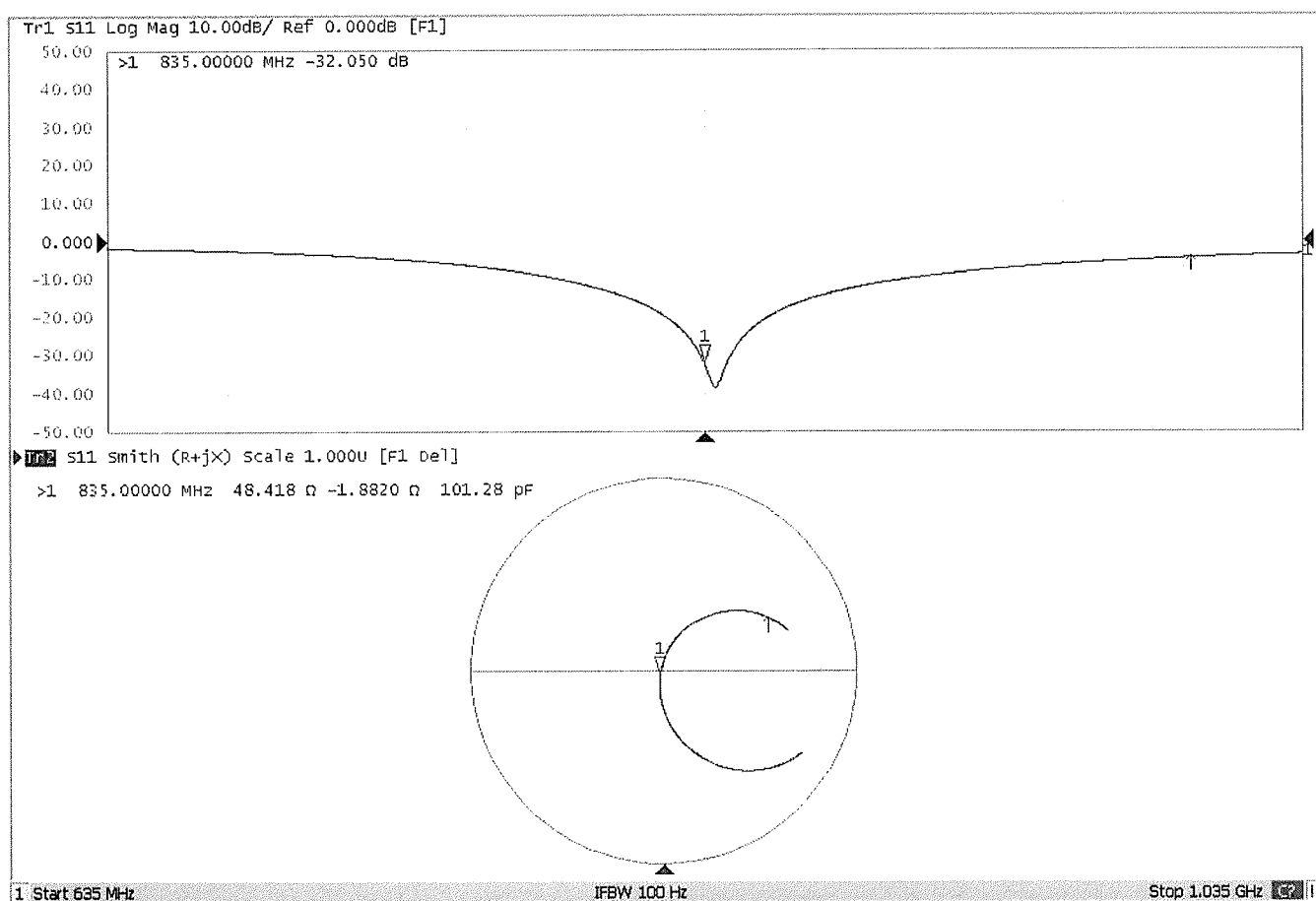
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Impedance Measurement Plot for Head TSL



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.

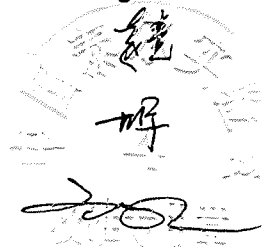
All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

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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Tel: +86-10-62304633-2117

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, 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

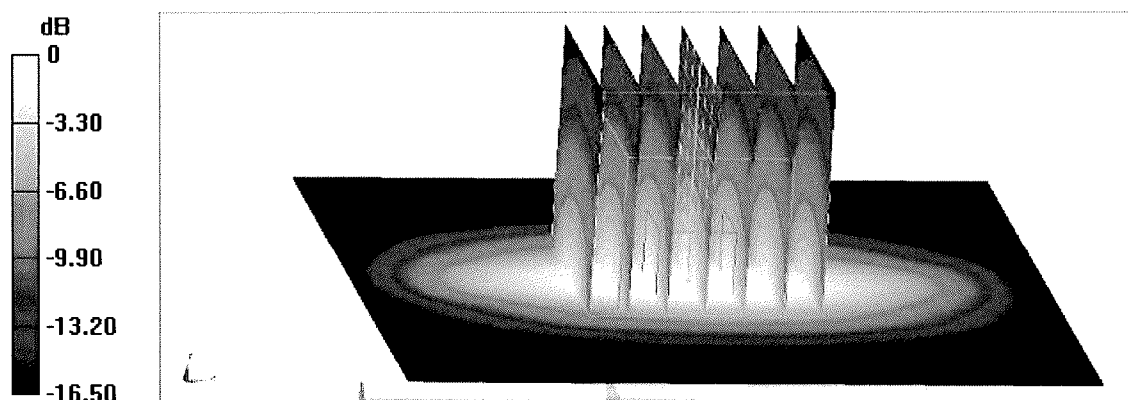
Peak SAR (extrapolated) = 17.0 W/kg

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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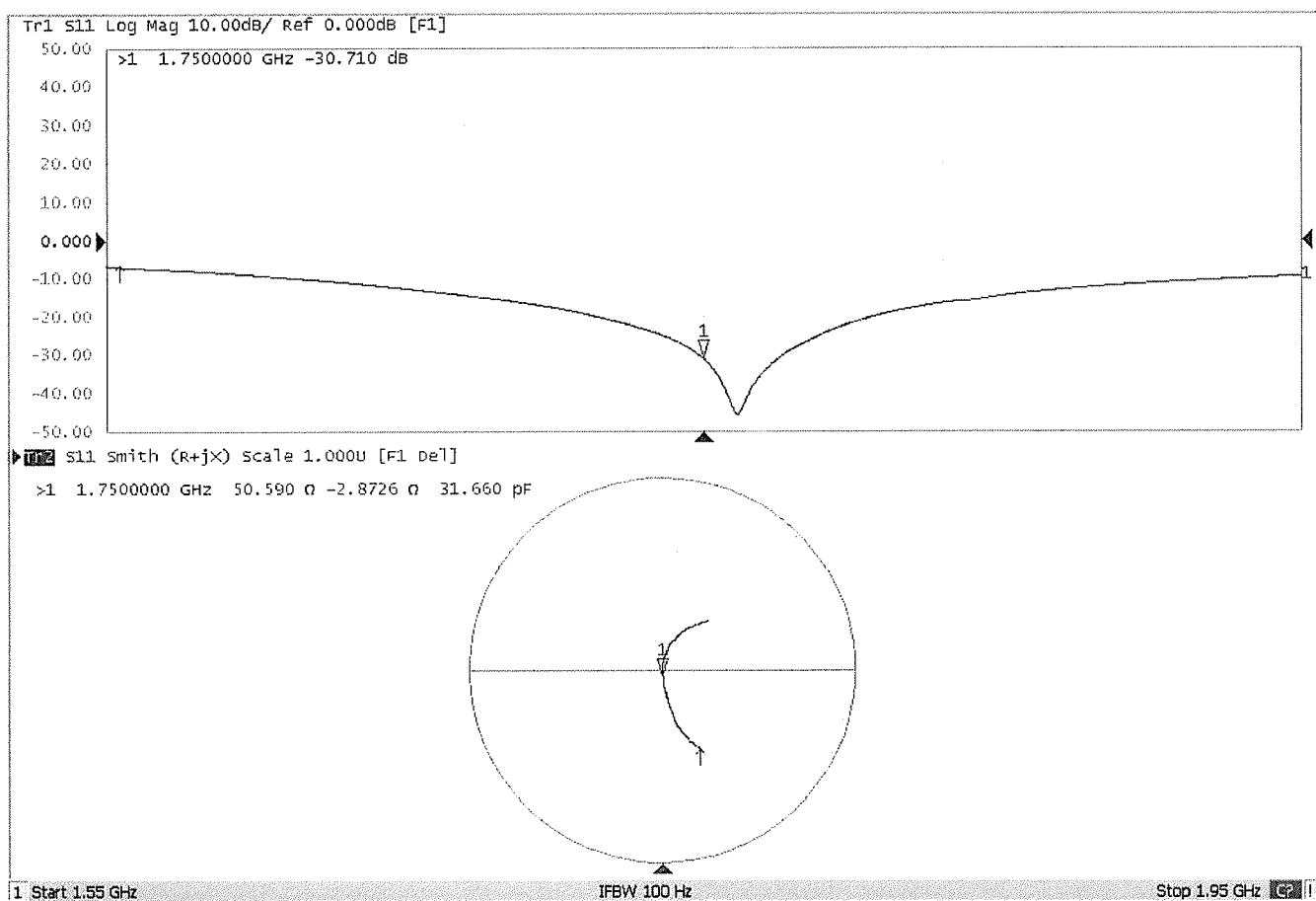
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Impedance Measurement Plot for Head TSL



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

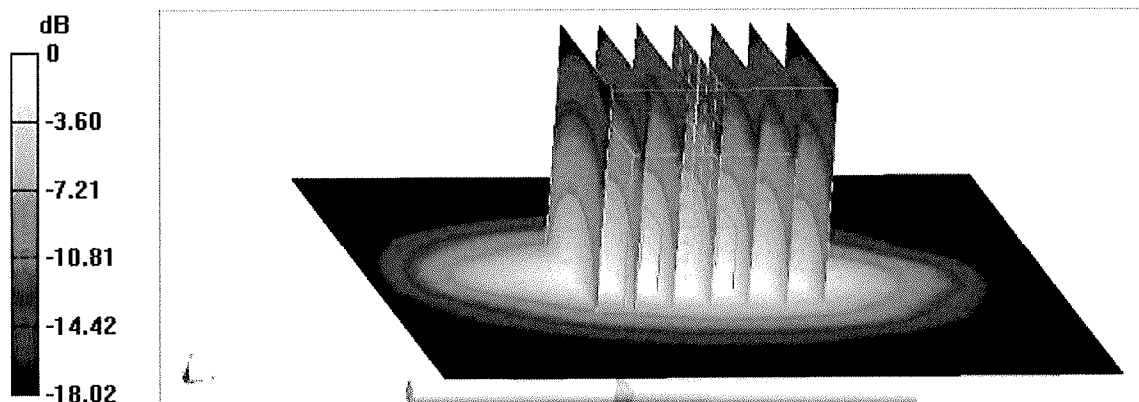
Peak SAR (extrapolated) = 19.3 W/kg

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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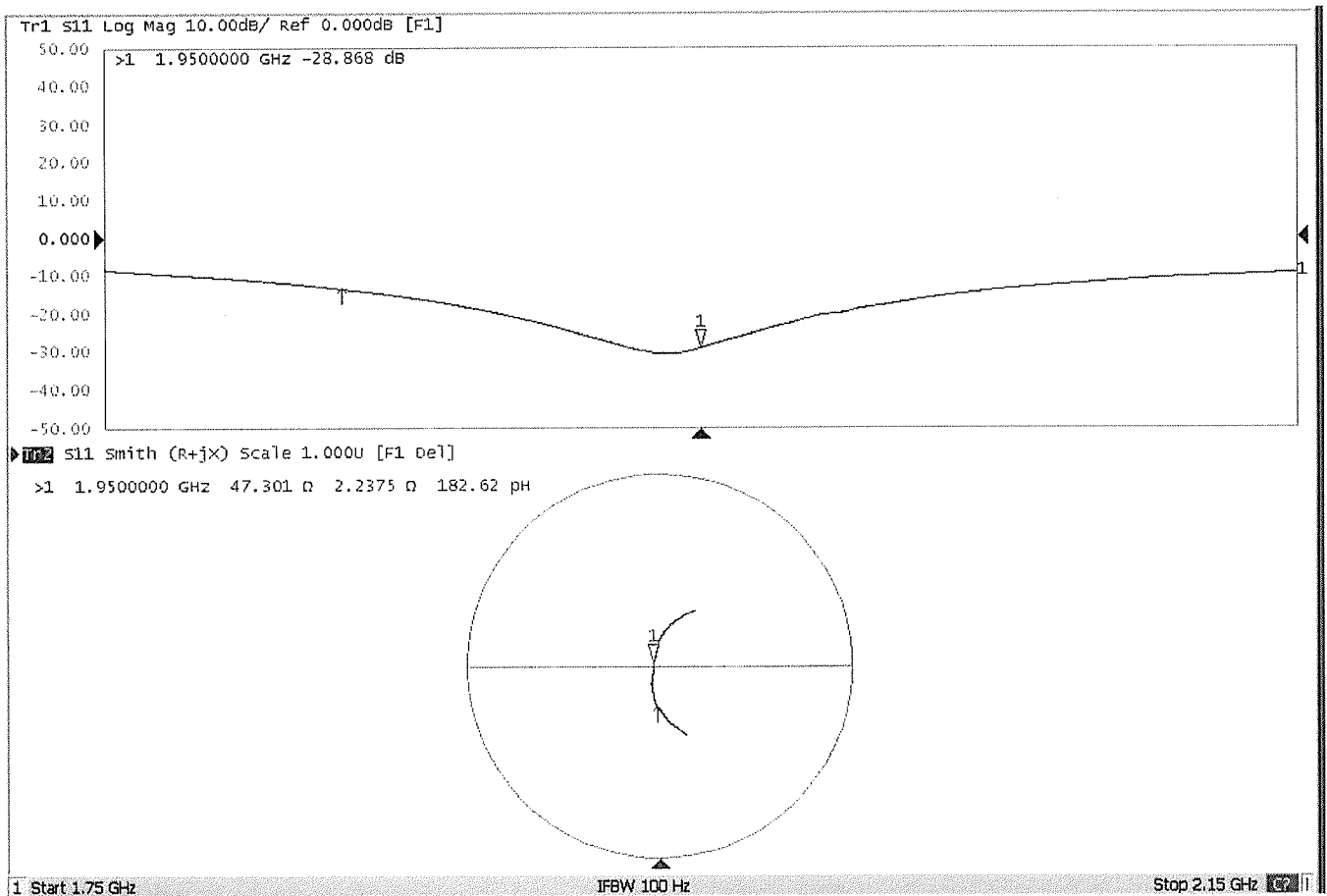
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Impedance Measurement Plot for Head TSL



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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.

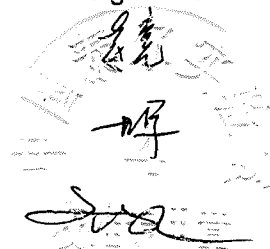
All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

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:

- 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	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 % (k=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 % (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	47.4Ω+ 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

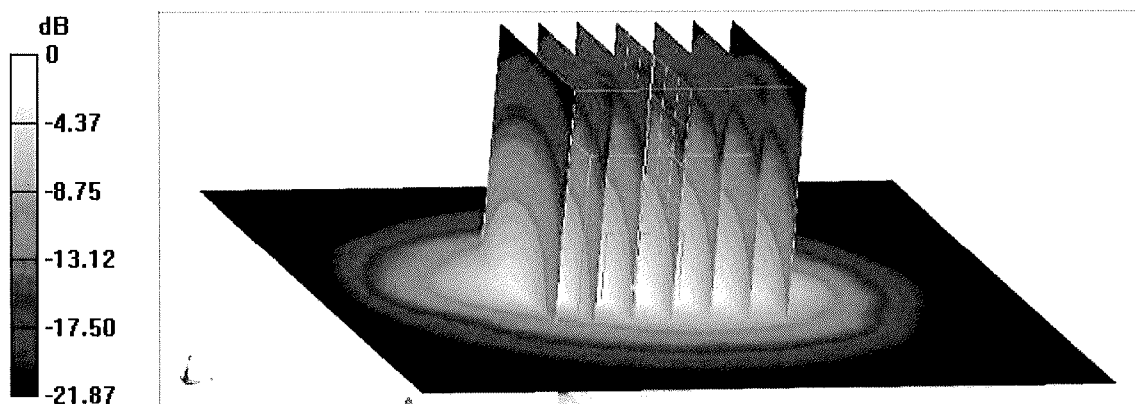
Peak SAR (extrapolated) = 27.1 W/kg

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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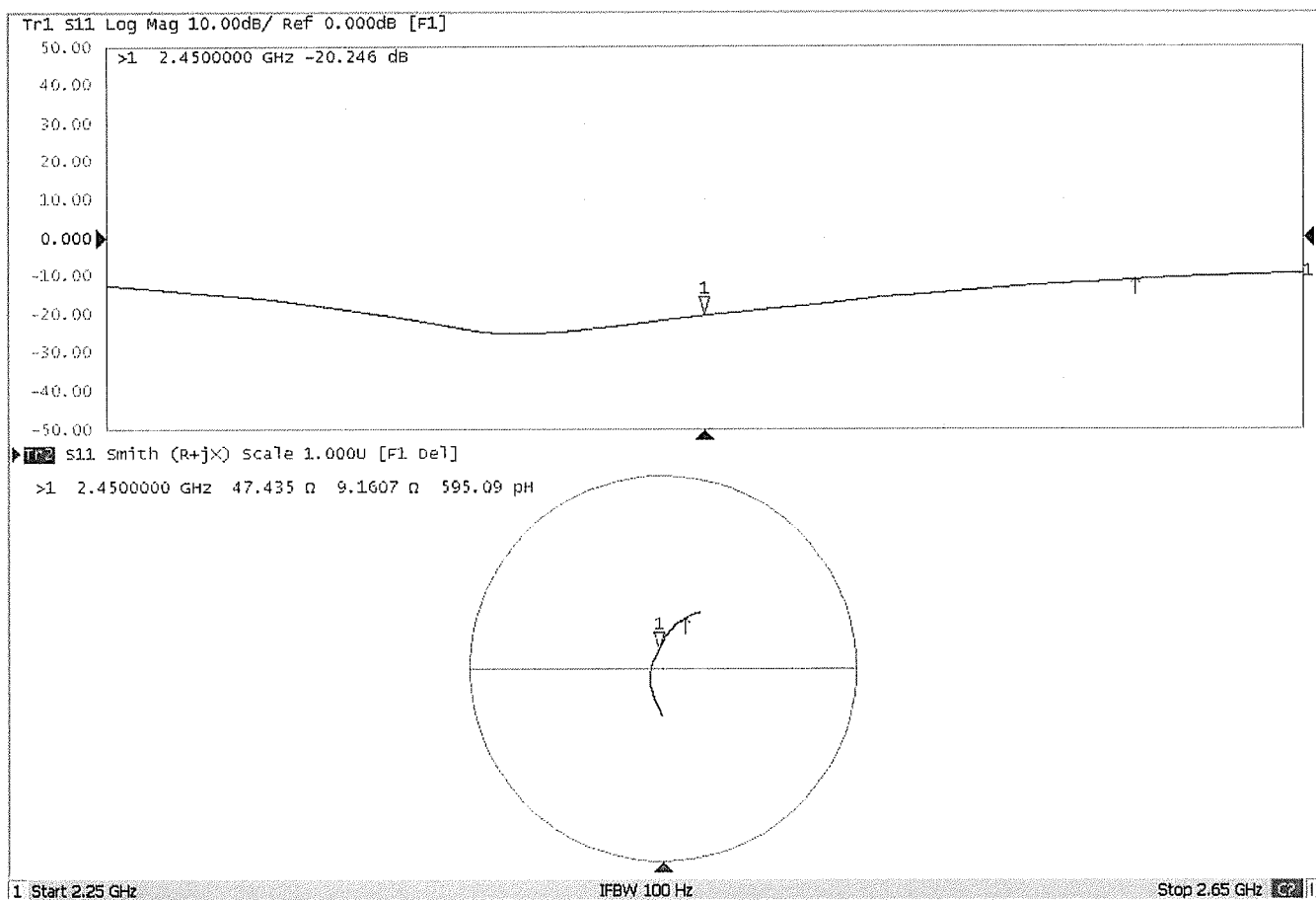
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Impedance Measurement Plot for Head TSL



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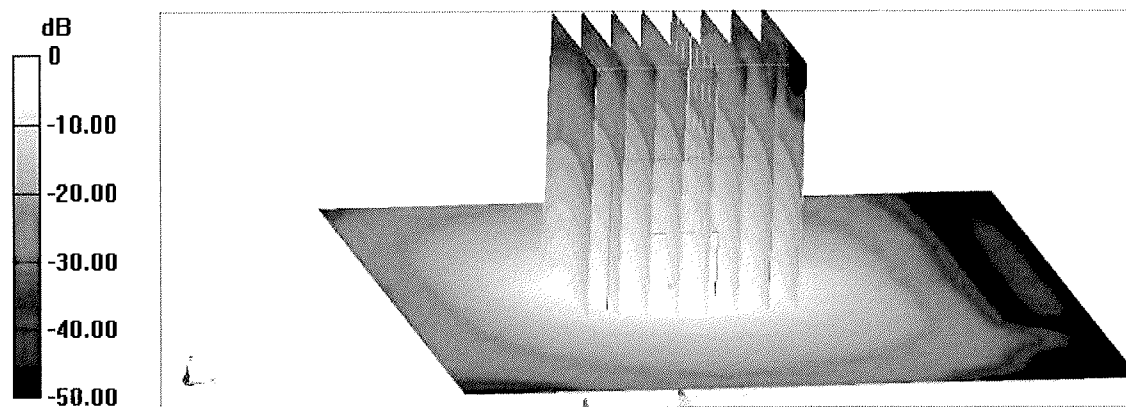
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0 dB = 12.1 W/kg = 10.83 dBW/kg



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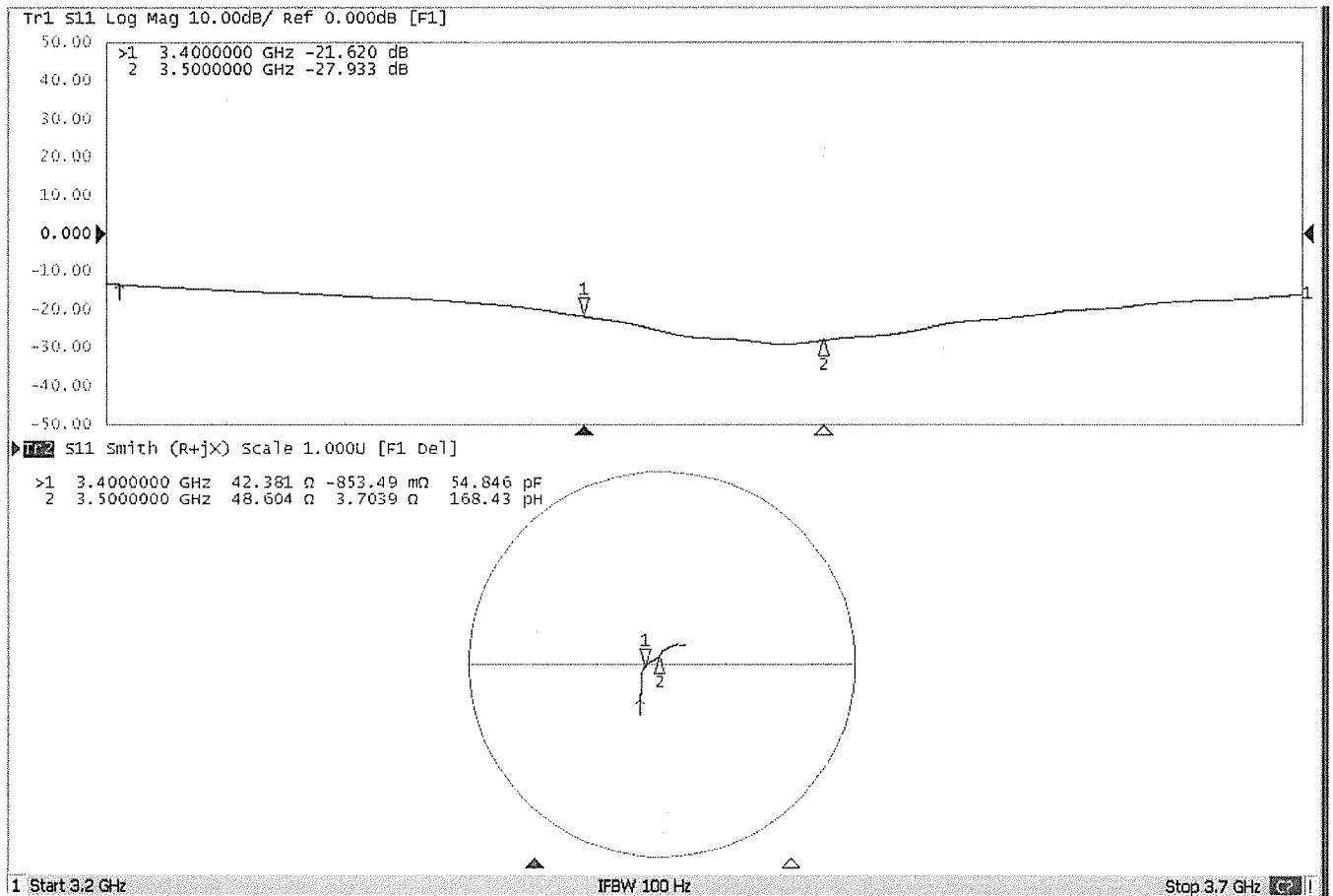
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Impedance Measurement Plot for Head TSL



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.

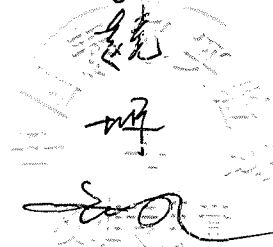
All calibrations have been conducted in the closed laboratory facility: environment temperature $(22\pm 3)^{\circ}\text{C}$ and humidity $< 70\%$.

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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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

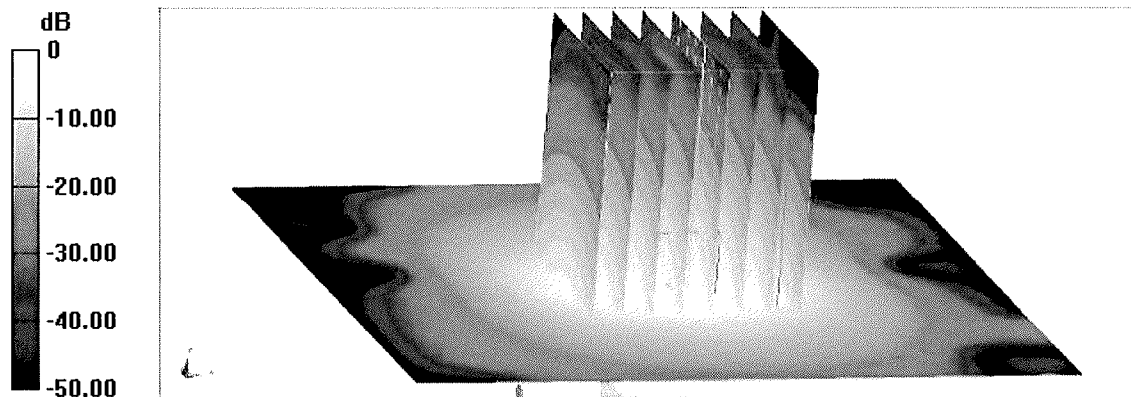
Peak SAR (extrapolated) = 18.1 W/kg

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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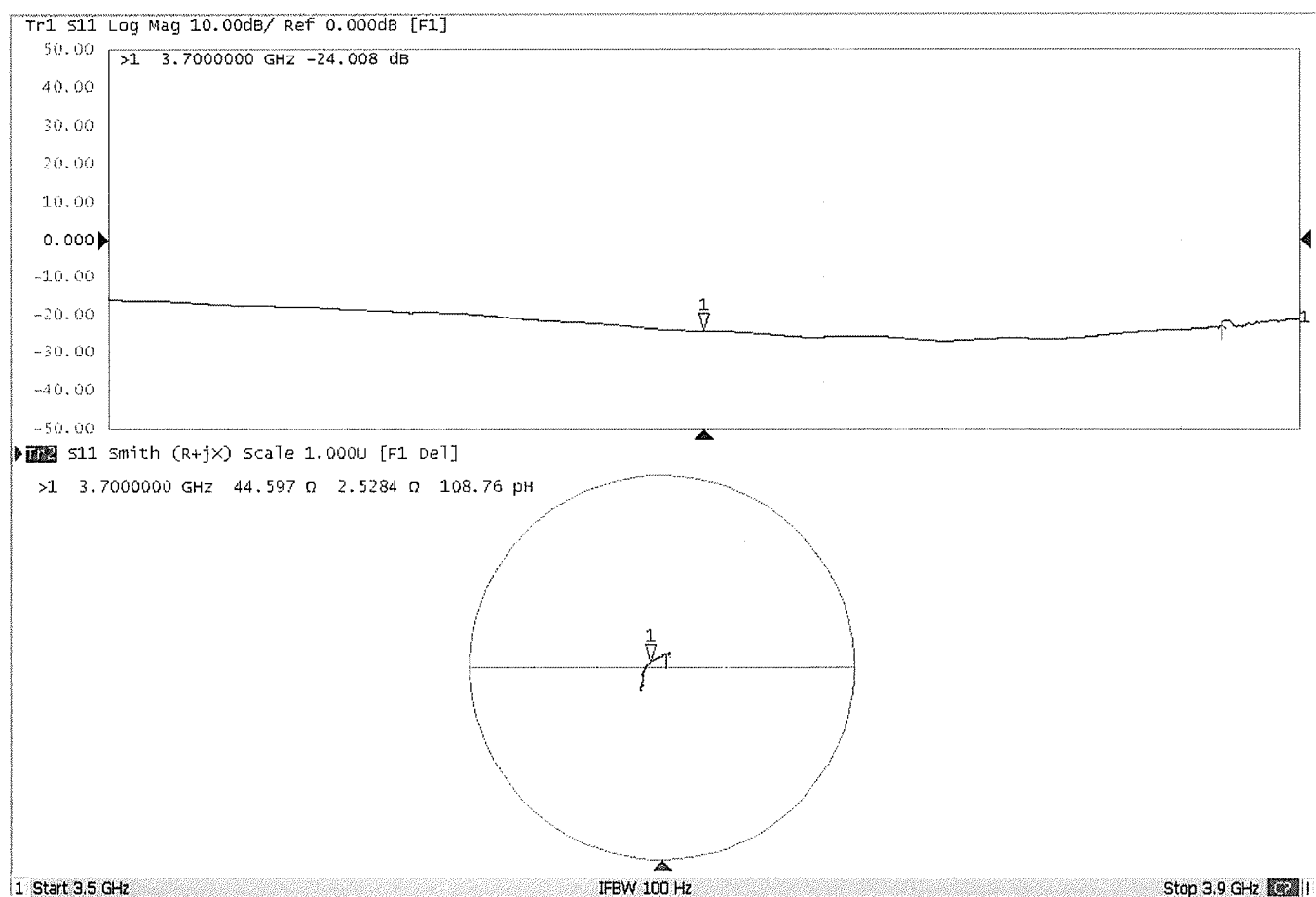
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Impedance Measurement Plot for Head TSL



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.

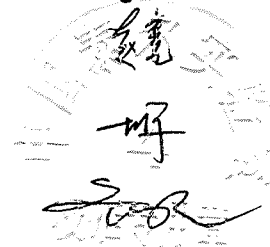
All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

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
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	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

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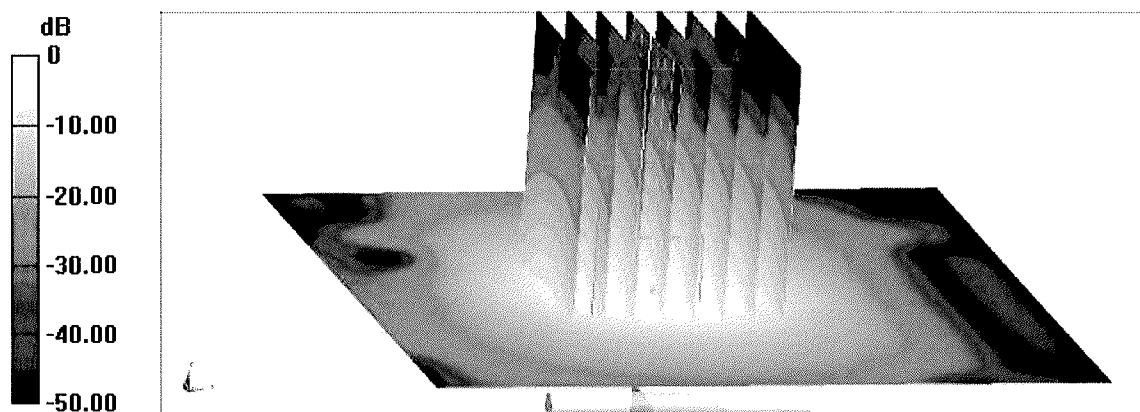
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0 dB = 13.6 W/kg = 11.34 dBW/kg



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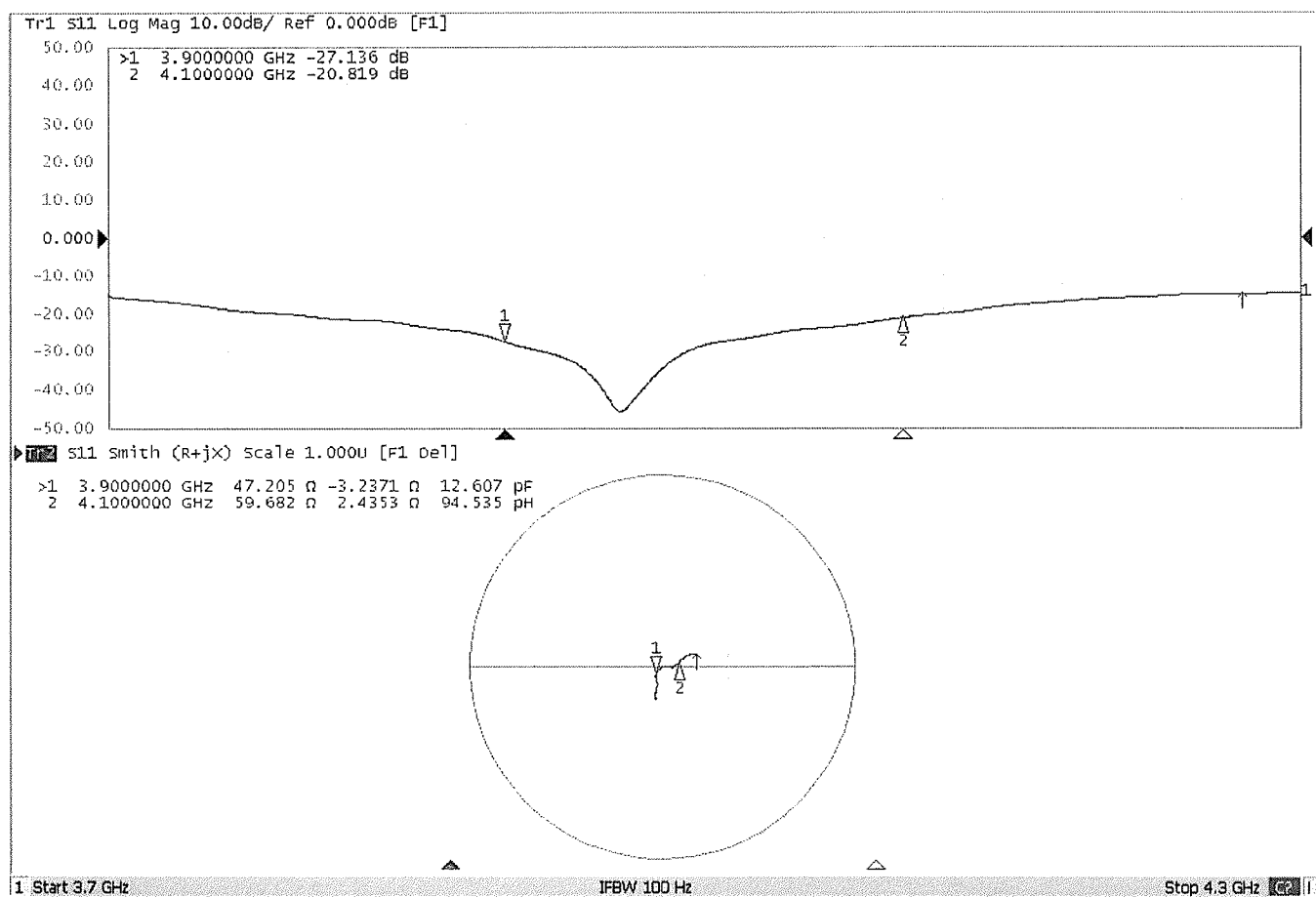
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Impedance Measurement Plot for Head TSL



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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

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



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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

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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	32.96	32.01	32.84	33.50	30.40	29.32	29.21	31.00
GPRS 1Tx Slot	32.98	32.06	32.86	33.50	30.42	29.34	29.28	31.00
GPRS 2Tx Slot	30.98	30.11	30.50	31.50	28.53	27.65	27.51	29.50
GPRS 3Tx Slot	28.97	28.12	28.79	29.50	26.54	25.47	25.42	27.00
GPRS 4Tx Slot	26.82	26.77	27.78	28.50	25.60	24.36	24.04	26.00
EDGE 1Tx Slot	27.34	26.05	27.59	28.00	26.49	25.42	25.48	27.00
EDGE 2Tx Slot	25.55	24.44	25.93	26.00	24.98	24.01	24.08	25.50
EDGE 3Tx Slot	23.12	22.53	23.57	24.00	21.73	21.77	22.53	23.00
EDGE 4Tx Slot	21.83	21.17	22.34	23.00	20.28	20.31	21.35	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	24.35	24.31	24.34	25.00	24.24	24.26	24.27	25.00
HSDPA Subtest-1	23.31	23.41	23.32	24.00	23.24	23.24	23.23	24.00
HSDPA Subtest-2	23.40	23.31	23.34	24.00	23.32	23.32	23.22	24.00
HSDPA Subtest-3	22.81	22.83	22.80	23.50	22.68	22.70	22.74	23.50
HSDPA Subtest-4	22.72	22.77	22.78	23.50	22.73	22.75	22.64	23.50
DC-HSDPA Subtest-1	23.28	23.25	23.28	24.00	23.25	23.25	23.16	24.00
DC-HSDPA Subtest-2	23.25	23.26	23.31	24.00	23.17	23.33	23.17	24.00
DC-HSDPA Subtest-3	22.72	22.74	22.75	23.50	22.62	22.64	22.64	23.50
DC-HSDPA Subtest-4	22.63	22.62	22.77	23.50	22.60	22.50	22.62	23.50
HSUPA Subtest-1	23.40	23.48	23.40	24.00	23.28	23.22	23.21	24.00
HSUPA Subtest-2	22.87	22.84	22.81	23.50	22.68	22.75	22.74	23.50
HSUPA Subtest-3	23.32	23.29	23.32	24.00	23.17	23.24	23.17	24.00
HSUPA Subtest-4	23.27	23.24	23.27	24.00	23.26	23.33	23.20	24.00
HSUPA Subtest-5	23.29	23.27	23.25	24.00	23.25	23.27	23.26	24.00

Receiver of_DSM

LTE Band 2 (Aur1)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max	Time-req (sec)	Max. T-req (sec)
		Channel	Frequency (MHz)	1920	1980	1980	2000		
20M	QPSK	1	0	23.81	23.85	23.82	24.5		
		1	50	23.80	23.81	23.81	24.5		
		1	50	23.82	23.83	23.83	24.5		
		50	0	22.45	22.49	22.41	23.5		
		50	0	22.46	22.48	22.48	23.5		
		50	50	22.48	22.49	22.47	23.5		
		100	0	22.41	22.42	22.40	23.5		
		100	0	22.44	22.45	22.47	23.5		
		1	50	22.74	22.75	22.61	23.5		
		1	50	22.71	22.63	22.65	23.5		
20M	16QAM	50	24	21.65	21.63	21.63	22.5		
		50	25	21.67	21.63	21.62	22.5		
		50	50	21.65	21.64	21.64	22.5		
		1	0	21.64	21.62	21.65	22.5		
		1	50	21.62	21.65	21.62	22.5		
		1	50	21.68	21.71	21.60	22.5		
		50	0	20.44	20.49	20.48	21.5		
		50	0	20.47	20.54	20.51	21.5		
		100	0	20.46	20.48	20.48	21.5		
		1	50	18.87	18.86	18.81	19.5		
20M	16QAM	1	50	18.86	18.85	18.86	19.5		
		1	50	18.88	18.84	18.87	19.5		
		50	14	18.83	18.83	18.83	19.5		
		50	25	18.82	18.85	18.82	19.5		
		50	50	18.84	18.86	18.83	19.5		
		100	0	18.87	18.81	18.85	19.5		
20M	QPSK	1	0	23.81	23.85	23.82	24.5		
		1	37	23.36	23.45	23.12	24.5		
		1	74	23.32	23.19	23.31	24.5		
		36	0	22.44	22.29	22.38	23.5		
		36	19	22.28	22.28	22.17	23.5		
		36	38	22.42	22.25	22.30	23.5		
		75	0	22.34	22.23	22.43	23.5		
		1	0	22.42	22.62	22.42	23.5		
		1	0	22.67	22.65	22.41	23.5		
		74	24	22.44	22.45	22.52	23.5		
20M	16QAM	36	0	21.22	21.18	21.25	22.5		
		36	0	21.41	21.38	21.33	22.5		
		36	38	21.25	21.44	21.20	22.5		
		75	0	21.32	21.21	21.30	22.5		
		1	0	21.46	21.47	21.45	22.5		
		1	37	21.45	21.51	21.32	22.5		
		1	74	21.34	21.57	21.38	22.5		
		36	0	20.25	20.38	20.20	21.5		
		36	19	20.44	20.34	20.26	21.5		
		36	38	20.40	20.30	20.21	21.5		
20M	QPSK	1	0	23.81	23.85	23.82	24.5		
		1	0	18.86	18.86	18.86	19.5		
		1	74	18.82	18.85	18.81	19.5		
		36	0	18.36	18.34	18.33	19.5		
		36	0	18.40	18.41	18.40	19.5		
		36	38	18.52	18.33	18.41	19.5		
		75	0	18.48	18.38	18.47	19.5		
20M	16QAM	1	0	23.81	23.85	23.82	24.5		
		1	0	23.38	23.42	23.21	24.5		
		1	37	23.36	23.45	23.12	24.5		
		1	48	23.26	23.25	23.35	24.5		
		25	0	22.32	22.28	22.28	23.5		
		25	0	22.35	22.28	22.35	23.5		
		25	25	22.35	22.22	22.34	23.5		
		50	0	22.32	22.31	22.28	23.5		
		22	36	22.38	22.48	22.35	23.5		
		1	24	22.62	22.64	22.48	23.5		
20M	16QAM	1	49	22.49	22.35	22.47	23.5		
		25	0	21.25	21.48	21.38	22.5		
		25	12	21.29	21.18	21.19	22.5		
		25	25	21.30	21.35	21.28	22.5		
		50	0	21.39	21.39	21.27	22.5		
		1	0	21.37	21.44	21.44	22.5		
		1	37	21.37	21.50	21.28	22.5		
		1	48	21.37	21.52	21.45	22.5		
		25	0	20.21	20.35	20.21	21.5		
		25	0	20.33	20.36	20.27	21.5		
20M	QPSK	25	25	20.26	20.30	20.24	21.5		
		50	0	20.25	20.34	20.23	21.5		
		1	0	18.82	18.81	18.85	19.5		
		1	24	18.32	18.45	18.31	19.5		
		1	49	18.45	18.38	18.41	19.5		
		25	0	18.32	18.38	18.28	19.5		
		25	12	18.39	18.41	18.28	19.5		
		25	25	18.47	18.41	18.42	19.5		
		50	0	18.50	18.35	18.49	19.5		
		1	24	18.32	18.45	18.31	19.5		
20M	16QAM	1	0	23.81	23.85	23.82	24.5		
		1	12	23.25	23.35	23.11	24.5		
		1	24	23.35	23.22	23.27	24.5		
		12	0	22.35	22.28	22.24	23.5		
		12	6	22.34	22.17	22.21	23.5		
		12	13	22.36	22.25	22.28	23.5		
		25	0	22.33	22.22	22.37	23.5		
		7	0	22.43	22.68	22.38	23.5		
		1	24	22.46	22.59	22.41	23.5		
		1	24	22.49	22.35	22.49	23.5		
20M	16QAM	12	0	21.22	21.23	21.35	22.5		
		12	6	21.32	21.32	21.27	22.5		
		12	13	21.27	21.31	21.32	22.5		
		25	0	21.39	21.38	21.09	22.5		
		1	0	21.48	21.43	21.31	22.5		
		1	12	21.44	21.63	21.24	22.5		
		1	24	21.27	21.65	21.59	22.5		
		12	0	20.24	20.28	20.27	21.5		
		12	6	20.36	20.28	20.23	21.5		
		12	13	20.27	20.34	20.31	21.5		
20M	QPSK	1	0	18.81	18.80	18.81	19.5		
		1	24	18.44	18.41	18.38	19.5		
		12	0	18.38	18.38	18.41	19.5		
		12	6	18.45	18.34	18.34	19.5		
		12	13	18.47	18.35	18.29	19.5		
		25	0	18.54	18.45	18.46	19.5		
20M	16QAM	1	0	23.81	23.85	23.82	24.5		
		1	0	23.26	23.47	23.18	24.5		
		1	14	23.26	23.15	23.22	24.5		
		8	0	22.38	22.23	22.26	23.5		
		8	0	22.44	22.51	22.45	23.5		
		8	7	22.42	22.24	22.41	23.5		
		15	0	22.38	22.25	22.32	23.5		
		15	0	22.37	22.62	22.46	23.5		
		1	7	22.89	22.47	22.54	23.5		
		1	14	22.46	22.35	22.59	23.5		
20M	16QAM	1	0	21.18	21.18	21.35	22.5		
		8	3	21.35	21.25	21.23	22.5		
		15	0	21.28	21.25	21.34	22.5		
		1	0	21.44	21.42	21.40	22.5		
		1	14	21.35	21.59	21.41	22.5		
		8	0	20.25	20.27	20.20	21.5		
		8	0	20.34	20.30	20.19	21.5		
		8	7	20.33	20.31	20.30	21.5		
		15	0	20.29	20.23	20.25	21.5		
		1	0	18.36	18.65	18.51	19.5		
20M	QPSK	1	7	18.37	18.47	18.44	19.5		
		1	14	18.41	18.37	18.35	19.5		
		1	0	18.40	18.38	18.40	19.5		
		8	3	18.39	18.50	18.29	19.5		
		8	7	18.47	18.30	18.41	19.5		
		15	0	18.50	18.48	18.52	19.5		
20M	16QAM	1	0	23.81	23.85	23.82	24.5		
		1	2	23.33	23.35	23.12	24.5		
		1	5	23.67	23.57	23.59	24.5		
		1	5	23.59	23.58	23.18	24.5		
		3	1	22.36	22.52	22.12	24.5		
		3	1	22.36	22.52	22.14	24.5		
		1	0	22.25	22.25	22.43	23.5		
		1	0	22.37	22.68	22.34	23.5		
		1	0	22.61	22.62	22.52	23.5		
		1	5	22.44	22.44	22.51	23.5		
20M	16QAM	3	0	22.25	22.54	22			

LTE Band 12 (Awt)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (MHz)	Channel	Max. Time-up (MHz)
		Frequency (MHz)	790	790.5	791	791.5	792		
10M	QPSK	1	0	24.08	24.08	24.08	25.5		
		1	24	24.12	24.11	24.09	25.5		
		1	49	24.17	24.01	23.97	25.5		
		25	0	23.11	23.10	23.07	24.5		
		25	24	23.15	23.14	23.14	24.5		
	16QAM	25	0	23.15	23.11	23.14	24.5		
		50	0	23.18	23.18	23.18	24.5		
		50	24	23.20	23.19	23.19	24.5		
		1	24	23.25	23.21	23.24	24.5		
		1	49	23.27	23.26	23.21	24.5		
10M	16QAM	25	0	22.25	22.22	22.19	23.5		
		25	12	22.27	22.22	22.18	23.5		
		25	25	22.16	22.16	22.11	23.5		
		50	0	22.18	22.18	22.17	23.5		
		50	24	22.22	22.21	22.19	23.5		
	64QAM	1	24	22.21	22.20	22.21	23.5		
		1	49	22.22	22.18	22.21	23.5		
		25	0	21.12	21.12	21.08	22.5		
		25	12	21.12	21.10	21.09	22.5		
		25	25	21.16	21.13	21.21	22.5		
10M	16QAM	50	0	21.14	21.15	21.18	22.5		
		50	24	21.16	21.16	21.20	22.5		
		1	24	19.21	19.21	19.27	20.5		
		1	49	19.23	19.24	19.21	20.5		
		25	0	18.15	18.17	18.14	20.5		
	28QAM	25	12	18.24	18.23	18.21	20.5		
		25	25	18.18	18.22	18.19	20.5		
		50	0	18.20	18.18	18.19	20.5		
		50	24	18.21	18.21	18.25	20.5		
		1	0	18.20	18.20	18.25	20.5		
1		49	18.22	18.21	18.25	20.5			
LTE Band 13 (Awt)									
BW	Modulation	Channel	RB Size	2385	2385	2385	Max. Time-up (MHz)	Channel	Max. Time-up (MHz)
		Frequency (MHz)	18.4	18.4	18.4	18.4			
10M	QPSK	1	0	24.07	24.07	24.07	25.5		
		1	12	24.00	24.01	24.04	25.5		
		1	24	24.06	24.03	24.03	25.5		
		12	0	23.07	23.05	22.93	24.5		
		12	6	23.07	23.08	23.03	24.5		
	16QAM	12	13	23.07	23.08	23.03	24.5		
		25	0	23.07	23.06	23.06	24.5		
		1	12	23.08	23.04	23.15	24.5		
		1	12	23.20	23.21	23.26	24.5		
		1	24	23.21	23.13	23.08	24.5		
10M	16QAM	12	6	22.10	22.09	22.11	23.5		
		12	6	22.15	22.09	22.12	23.5		
		12	6	22.15	22.09	22.12	23.5		
		25	0	22.14	22.09	22.16	23.5		
		25	24	22.14	22.09	22.16	23.5		
	64QAM	1	0	22.14	22.16	22.16	23.5		
		1	13	22.13	22.13	22.18	23.5		
		1	24	22.13	22.13	22.18	23.5		
		12	0	21.08	21.04	21.05	22.5		
		12	6	21.18	21.11	21.11	22.5		
10M	16QAM	12	13	21.09	21.09	21.12	22.5		
		25	0	21.13	21.14	21.09	22.5		
		25	12	21.09	21.09	21.09	22.5		
		1	12	19.02	19.11	19.21	20.5		
		1	13	19.03	19.03	19.03	20.5		
	28QAM	12	6	19.01	19.08	19.08	20.5		
		12	13	18.05	18.04	18.05	20.5		
		25	0	18.12	18.30	18.08	20.5		
		25	12	18.12	18.30	18.08	20.5		
		25	13	18.12	18.30	18.08	20.5		
LTE Band 13 (Awt)									
BW	Modulation	Channel	RB Size	2385	2385	2385	Max. Time-up (MHz)	Channel	Max. Time-up (MHz)
		Frequency (MHz)	18.4	18.4	18.4	18.4			
10M	QPSK	1	0	24.06	24.01	23.92	25.5		
		1	7	24.04	24.00	24.02	25.5		
		1	14	24.02	24.01	24.01	25.5		
		8	3	23.09	23.13	23.11	24.5		
		8	3	23.09	23.12	23.11	24.5		
	16QAM	15	0	23.09	23.04	23.01	24.5		
		1	0	23.09	23.01	23.01	24.5		
		1	14	23.18	23.13	23.07	24.5		
		8	3	23.01	23.02	23.01	24.5		
		8	3	23.02	23.12	23.11	24.5		
10M	16QAM	8	7	22.11	22.05	22.01	23.5		
		15	0	22.01	22.02	22.01	23.5		
		1	0	22.12	22.12	22.18	23.5		
		1	7	22.11	22.18	22.20	23.5		
		1	14	22.11	22.17	22.17	23.5		
	64QAM	8	0	21.02	21.01	20.95	22.5		
		8	7	21.01	21.01	21.01	22.5		
		8	7	21.02	21.12	21.16	22.5		
		15	0	21.05	21.01	21.05	22.5		
		15	0	21.02	21.01	21.01	22.5		
10M	16QAM	1	7	19.13	19.16	19.14	20.5		
		1	14	19.12	19.08	19.10	20.5		
		8	3	18.06	18.07	18.07	20.5		
		8	3	19.08	19.09	19.10	20.5		
		15	0	18.07	18.07	18.07	20.5		
	28QAM	8	3	18.07	18.07	18.07	20.5		
		15	0	18.11	18.01	18.05	20.5		
		15	0	18.11	18.01	18.05	20.5		
		15	0	18.11	18.01	18.05	20.5		
		15	0	18.11	18.01	18.05	20.5		
LTE Band 66 (Awt)									
BW	Modulation	Channel	RB Size	2385	2385	2375	Max. Time-up (MHz)	Channel	Max. Time-up (MHz)
		Frequency (MHz)	18.4	18.4	18.4	18.4			
10M	QPSK	1	2	24.09	24.10	23.97	25.5		
		1	2	24.09	24.10	23.97	25.5		
		3	1	24.03	24.10	24.02	25.5		
		3	1	24.04	24.08	24.11	25.5		
		6	0	24.04	24.03	24.05	25.5		
	16QAM	1	0	23.13	23.26	23.17	24.5		
		1	5	23.18	23.22	23.30	24.5		
		1	5	23.16	23.11	23.19	24.5		
		3	0	23.11	23.15	23.03	24.5		
		3	3	23.08	23.10	23.07	24.5		
10M	16QAM	6	0	23.13	23.26	23.20	24.5		
		1	0	22.18	22.20	22.21	23.5		
		1	2	22.18	22.18	22.21	23.5		
		3	1	22.22	22.12	22.12	23.5		
		3	1	22.08	22.08	22.10	23.5		
	64QAM	3	1	22.07	22.07	22.10	23.5		
		6	0	21.08	21.08	21.17	22.5		
		6	0	21.08	21.08	21.17	22.5		
		1	2	20.08	20.15	20.14	20.5		
		1	5	19.01	18.05	19.14	20.5		
10M	16QAM	3	0	19.01	19.08	19.08	20.5		
		3	1	19.01	19.08	19.08	20.5		
		3	1	19.01	19.08	19.08	20.5		
		3	1	19.01	19.08	19.08	20.5		
		3	1	19.01	19.08	19.08	20.5		
	28QAM	3	1	19.01	19.08	19.08	20.5		
		3	1	19.01	19.08	19.08	20.5		
		3	1	19.01	19.08	19.08	20.5		
		3	1	19.01	19.08	19.08	20.5		
		3	1	19.01	19.08	19.08	20.5		

Receiver off_DS14

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	23.33	23.30	23.33	24.5
		1	53	23.24	23.33	23.24	24.5
		1	104	23.23	23.29	23.12	24.5
		50	0	23.36	23.35	23.34	24.5
		50	28	23.35	23.30	23.38	24.5
		50	56	23.38	23.33	23.32	24.5
	DFT-s-OFDM QPSK	100	0	23.37	23.31	23.37	24.5
		1	1	23.38	23.39	23.37	24.5
		1	53	23.26	23.37	23.36	24.5
		1	104	23.25	23.29	23.28	24.5
		50	0	22.82	22.92	22.84	23.5
		50	28	23.33	23.37	23.36	24.5
	DFT-s-OFDM 16QAM	50	56	22.91	22.92	22.84	23.5
		100	0	22.93	22.95	22.90	23.5
		1	1	21.94	22.86	22.97	23.5
		1	1	21.39	21.57	20.95	22.5
		1	1	19.38	18.84	18.82	20.5
		1	1	19.38	18.84	18.82	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	23.34	23.32	23.36	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.32	23.35	23.34	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	23.31	23.33	23.35	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	23.26	23.27	23.25	24.5
		1	53	23.23	23.35	23.29	24.5
		1	104	23.28	23.29	23.21	24.5
		50	0	23.35	23.40	23.36	24.5
		50	28	23.30	23.44	23.37	24.5
		50	56	23.37	23.42	23.45	24.5
	DFT-s-OFDM QPSK	100	0	23.32	23.47	23.39	24.5
		1	1	23.42	23.48	23.38	24.5
		1	53	23.32	23.33	23.32	24.5
		1	104	23.41	23.44	23.36	24.5
		50	0	23.37	23.45	23.33	24.5
		50	28	23.41	23.47	23.39	24.5
	DFT-s-OFDM 16QAM	50	56	23.32	23.39	23.38	24.5
		100	0	23.42	23.46	23.43	24.5
		1	1	23.46	23.44	23.45	24.5
		1	1	21.38	21.49	21.50	22.5
		1	1	19.32	19.41	19.34	20.5
		1	1	19.32	19.41	19.34	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	23.40	23.32	23.39	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	23.41	23.34	23.35	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	23.38	23.34	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/V2 BPSK	1	1	23.66	23.76	23.77	24.5
		1	108	23.69	23.58	23.71	24.5
		1	214	23.73	23.62	23.77	24.5
		108	0	23.01	23.04	22.95	24
		108	54	23.61	23.56	23.73	24.5
		108	108	22.95	22.93	22.73	24
		216	0	22.92	22.97	22.88	24
		1	1	23.68	23.79	23.76	24.5
	DFT-s-OFDM QPSK	1	108	23.58	23.62	23.73	24.5
		1	214	23.62	23.72	23.61	24.5
		108	0	22.97	22.94	23.02	24
		108	54	23.48	23.67	23.59	24.5
		108	108	22.91	22.97	22.82	24
		216	0	22.88	23.02	22.86	24
		1	1	23.09	23.18	23.07	24
		1	1	20.95	21.03	20.99	22
	DFT-s-OFDM 16QAM	1	1	18.72	18.71	18.70	20
	DFT-s-OFDM 64QAM	1	1				
	DFT-s-OFDM 256QAM	1	1				
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.65	23.73	23.53	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	23.64	23.69	23.55	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.62	23.59	23.56	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	23.61	23.63	23.54	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.66	23.66	23.50	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	23.64	23.71	23.52	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/V2 BPSK	1	1		22.91		24.5
		1	137		22.66		24.5
		1	271		22.73		24.5
		135	0		22.84		24.5
		135	69		22.81		24.5
		135	138		22.74		24.5
		270	0		22.79		24.5
		1	1		23.16		24.5
	DFT-s-OFDM QPSK	1	137		22.86		24.5
		1	271		22.89		24.5
		135	0		23.04		24.5
		135	69		23.06		24.5
		135	138		22.86		24.5
		270	0		22.96		24.5
	DFT-s-OFDM 16QAM	1	1		23.15		24.5
	DFT-s-OFDM 64QAM	1	1		22.79		23.5
	DFT-s-OFDM 256QAM	1	1		21.19		22
BW	MCS Index	Channel		633000	63334	63366	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	23.07	23.09	22.67	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	23.01	22.92	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	22.78	22.91	22.94	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	22.95	22.87	22.95	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	22.94	22.87	22.85	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	22.81	22.93	22.75	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	22.72	22.89	22.82	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	23.09	22.85	22.91	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	23.09	22.95	23.04	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	23.09	23.12	23.09	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	23.02	22.90	22.99	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	22.52	22.66	22.65	24.5
		1	137	22.56	22.75	22.96	24.5
		1	271	22.64	22.87	22.54	24.5
		135	0	22.65	22.70	22.85	24.5
		135	69	22.55	22.77	23.03	24.5
		135	138	22.62	22.75	23.09	24.5
	DFT-s-OFDM QPSK	270	0	22.58	22.77	23.04	24.5
		1	1	22.83	22.92	23.14	24.5
		1	137	22.65	22.91	23.01	24.5
		1	271	22.82	22.90	23.12	24.5
		135	0	22.81	22.74	22.95	24.5
		135	69	22.85	22.95	23.08	24.5
	DFT-s-OFDM 16QAM	135	138	22.77	22.93	23.07	24.5
		270	0	22.79	22.84	22.98	24.5
	DFT-s-OFDM 64QAM	1	1	22.58	22.60	22.94	24.5
		1	1	22.37	22.30	22.67	23.5
	DFT-s-OFDM 256QAM	1	1	20.66	20.65	20.98	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	22.77	22.66	22.90	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	22.78	22.70	23.01	24.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	22.76	22.69	23.06	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	22.73	22.76	22.97	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	22.73	22.65	22.98	24.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	22.78	22.56	22.92	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	22.79	22.54	22.79	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	22.80	22.88	22.90	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	22.81	22.91	22.87	24.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	22.76	22.89	22.85	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	22.78	22.72	22.89	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/V2 BPSK	1	1		25.76		27.5
		1	137		25.66		27.5
		1	271		25.68		27.5
		135	0		25.33		27
		135	69		25.77		27.5
		135	138		25.21		27
	DFT-s-OFDM QPSK	270	0		25.27		27
		1	1		25.93		27.5
		1	137		25.71		27.5
		1	271		25.69		27.5
		135	0		24.82		26.5
		135	69		25.76		27.5
	DFT-s-OFDM 16QAM	135	138		24.70		26.5
		270	0		24.72		26.5
	DFT-s-OFDM 64QAM	1	1		24.92		26.5
		1	1		23.19		24
	DFT-s-OFDM 256QAM	1	1		20.96		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	25.72	25.85	25.77	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	25.71	25.77	25.68	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	25.70	25.84	25.87	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	25.75	25.62	25.75	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	25.74	25.88	25.72	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	25.76	25.89	25.70	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	25.81	25.84	25.82	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	25.89	25.75	25.67	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	25.56	25.69	25.66	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	25.67	25.87	25.70	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	25.89	25.83	25.72	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	25.77	25.69	25.78	27.5
		1	137	25.65	25.75	25.96	27.5
		1	271	25.53	25.89	26.05	27.5
		135	0	25.12	25.14	25.38	27
		135	69	25.62	25.75	25.99	27.5
		135	138	25.09	25.33	25.57	27
		270	0	25.06	25.23	25.51	27
	DFT-s-OFDM QPSK	1	1	25.87	25.89	26.12	27.5
		1	137	25.75	25.76	25.98	27.5
		1	271	25.54	25.85	25.96	27.5
		135	0	24.65	24.73	24.96	26.5
		135	69	25.54	25.77	25.97	27.5
		135	138	24.53	24.81	25.04	26.5
		270	0	24.55	24.72	24.98	26.5
	DFT-s-OFDM 16QAM	1	1	24.64	24.86	24.88	26.5
	DFT-s-OFDM 64QAM	1	1	22.67	22.76	22.89	24
	DFT-s-OFDM 256QAM	1	1	20.48	20.60	20.82	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	25.82	25.58	25.94	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	25.84	25.59	25.96	27.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	25.86	25.63	25.95	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	25.77	25.83	25.87	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	25.67	25.69	25.88	27.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	25.80	25.91	25.95	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	25.76	25.88	25.94	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	25.87	25.95	25.91	27.5
BW	MCS Index	Channel		647168	656000	636166	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3542.49	
15M	DFT-s-OFDM QPSK	1	1	25.87	25.95	25.94	27.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	25.87	25.90	25.95	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	25.83	25.89	25.76	27.5

Receiver off_DSM

CA_B8 (Ant2)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+up Power
20450	829	20549	836.9	QPSK	1	49	1	0	1	24.76	25.5
				16QAM	1	49	1	0	1	23.82	24.5
				64QAM	1	49	1	0	1	23.61	23.5
				256QAM	1	49	1	0	1	19.93	20.5
				QPSK	1	49	1	0	1	24.73	25.5
20478	831.6	20575	841.5	16QAM	1	49	1	0	1	23.93	24.5
				64QAM	1	49	1	0	1	23.44	23.5
				256QAM	1	49	1	0	1	19.82	20.5
				QPSK	1	49	1	0	1	24.62	25.5
				16QAM	1	49	1	0	1	23.91	24.5
20501	834.1	20600	844	64QAM	1	49	1	0	1	22.25	23.5
				256QAM	1	49	1	0	1	19.78	20.5
				QPSK	1	49	1	0	1	24.62	25.5
				16QAM	1	49	1	0	1	23.81	24.5
				64QAM	1	49	1	0	1	23.44	23.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+up Power
20450	829	20522	836.2	QPSK	1	49	1	0	1	24.58	25.5
				16QAM	1	49	1	0	1	23.81	24.5
				64QAM	1	49	1	0	1	22.48	23.5
				256QAM	1	49	1	0	1	19.49	20.5
				QPSK	1	49	1	0	1	24.53	25.5
20500	834	20572	841.2	16QAM	1	49	1	0	1	23.83	24.5
				64QAM	1	49	1	0	1	22.17	23.5
				256QAM	1	49	1	0	1	19.63	20.5
				QPSK	1	49	1	0	1	24.46	25.5
				16QAM	1	49	1	0	1	23.70	24.5
20550	839	20622	846.2	64QAM	1	49	1	0	1	22.13	23.5
				256QAM	1	49	1	0	1	19.54	20.5
				QPSK	1	49	1	0	1	24.53	25.5
				16QAM	1	49	1	0	1	23.70	24.5
				64QAM	1	49	1	0	1	22.13	23.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+up Power
20428	826.8	20500	834	QPSK	1	24	1	0	1	24.54	25.5
				16QAM	1	24	1	0	1	23.82	24.5
				64QAM	1	24	1	0	1	22.55	23.5
				256QAM	1	24	1	0	1	19.80	20.5
				QPSK	1	24	1	0	1	24.55	25.5
20478	831.8	20550	839	16QAM	1	24	1	0	1	23.76	24.5
				64QAM	1	24	1	0	1	22.36	23.5
				256QAM	1	24	1	0	1	19.61	20.5
				QPSK	1	24	1	0	1	24.49	25.5
				16QAM	1	24	1	0	1	23.70	24.5
20528	836.8	20600	844	64QAM	1	24	1	0	1	22.10	23.5
				256QAM	1	24	1	0	1	19.53	20.5
				QPSK	1	24	1	0	1	24.50	25.5
				16QAM	1	24	1	0	1	23.70	24.5
				64QAM	1	24	1	0	1	22.10	23.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+up Power
20425	826.5	20464	830.4	QPSK	1	24	1	0	1	24.48	25.5
				16QAM	1	24	1	0	1	23.67	24.5
				64QAM	1	24	1	0	1	22.57	23.5
				256QAM	1	24	1	0	1	19.42	20.5
				QPSK	1	24	1	0	1	24.41	25.5
20510	835	20549	838.9	16QAM	1	24	1	0	1	23.78	24.5
				64QAM	1	24	1	0	1	22.25	23.5
				256QAM	1	24	1	0	1	19.65	20.5
				QPSK	1	24	1	0	1	24.33	25.5
				16QAM	1	24	1	0	1	23.76	24.5
20595	843.5	20634	847.4	64QAM	1	24	1	0	1	21.76	24.5
				256QAM	1	24	1	0	1	19.44	20.5
				QPSK	1	24	1	0	1	24.36	25.5
				16QAM	1	24	1	0	1	23.76	24.5
				64QAM	1	24	1	0	1	22.04	23.5
Combination 3MHz+5MHz (15RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+up Power
20416	825.6	20455	829.5	QPSK	1	14	1	0	1	24.37	25.5
				16QAM	1	14	1	0	1	23.67	24.5
				64QAM	1	14	1	0	1	22.94	23.5
				256QAM	1	14	1	0	1	19.45	20.5
				QPSK	1	14	1	0	1	24.35	25.5
20501	834.1	20540	838	16QAM	1	14	1	0	1	23.65	24.5
				64QAM	1	14	1	0	1	22.28	23.5
				256QAM	1	14	1	0	1	19.57	20.5
				QPSK	1	14	1	0	1	24.28	25.5
				16QAM	1	14	1	0	1	23.66	24.5
20586	842.6	20625	846.5	64QAM	1	14	1	0	1	22.10	23.5
				256QAM	1	14	1	0	1	19.46	20.5
				QPSK	1	14	1	0	1	24.28	25.5
				16QAM	1	14	1	0	1	23.66	24.5
				64QAM	1	14	1	0	1	22.10	23.5

CA_66B (Ant1)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132022	1715	132121	1724.9	QPSK	1	49	1	0	1	24.13	24.5
				16QAM	1	49	1	0	1	23.34	23.5
				64QAM	1	49	1	0	1	21.69	22.5
				256QAM	1	49	1	0	1	19.17	19.5
				QPSK	1	49	1	0	1	23.91	24.5
132373	1750.1	132472	1760	16QAM	1	49	1	0	1	23.23	23.5
				64QAM	1	49	1	0	1	21.78	22.5
				256QAM	1	49	1	0	1	19.04	19.5
				QPSK	1	49	1	0	1	23.83	24.5
				16QAM	1	49	1	0	1	23.14	23.5
132523	1765.1	132622	1775	64QAM	1	49	1	0	1	21.24	23.5
				256QAM	1	49	1	0	1	21.68	22.5
				QPSK	1	49	1	0	1	23.07	23.5
				16QAM	1	49	1	0	1	23.07	23.5
				64QAM	1	49	1	0	1	21.68	22.5
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132047	1717.5	132140	1726.8	QPSK	1	74	1	0	1	23.97	24.5
				16QAM	1	74	1	0	1	23.27	23.5
				64QAM	1	74	1	0	1	21.57	22.5
				256QAM	1	74	1	0	1	19.07	19.5
				QPSK	1	74	1	0	1	23.89	24.5
132398	1752.6	132491	1761.9	16QAM	1	74	1	0	1	23.22	23.5
				64QAM	1	74	1	0	1	21.65	22.5
				256QAM	1	74	1	0	1	19.03	19.5
				QPSK	1	74	1	0	1	23.80	24.5
				16QAM	1	74	1	0	1	23.09	23.5
132549	1767.7	132642	1777	64QAM	1	74	1	0	1	21.65	22.5
				256QAM	1	74	1	0	1	19.03	19.5
				QPSK	1	74	1	0	1	23.80	24.5
				16QAM	1	74	1	0	1	23.09	23.5
				64QAM	1	74	1	0	1	21.65	22.5
Combination 5MHz+15MHz (25RB+75RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132002	1713	132095	1722.3	QPSK	1	24	1	0	1	24.01	24.5
				16QAM	1	24	1	0	1	23.21	23.5
				64QAM	1	24	1	0	1	21.59	22.5
				256QAM	1	24	1	0	1	19.02	19.5
				QPSK	1	24	1	0	1	23.82	24.5
132353	1748.1	132446	1757.4	16QAM	1	24	1	0	1	23.15	23.5
				64QAM	1	24	1	0	1	21.77	22.5
				256QAM	1	24	1	0	1	18.92	19.5
				QPSK	1	24	1	0	1	23.71	24.5
				16QAM	1	24	1	0	1	23.13	23.5
132504	1763.2	132597	1772.5	64QAM	1	24	1	0	1	21.60	22.5
				256QAM	1	24	1	0	1	18.99	19.5
				QPSK	1	24	1	0	1	23.84	24.5
				16QAM	1	24	1	0	1	23.17	23.5
				64QAM	1	24	1	0	1	21.62	22.5
132397	1752.5	132489	1759.7	256QAM	1	49	1	0	1	19.00	19.5
				QPSK	1	49	1	0	1	23.86	24.5
				16QAM	1	49	1	0	1	23.05	23.5
				64QAM	1	49	1	0	1	21.70	22.5
				256QAM	1	49	1	0	1	18.86	19.5
132572	1770	132644	1777.2	QPSK	1	49	1	0	1	23.58	24.5
				16QAM	1	49	1	0	1	22.99	23.5
				64QAM	1	49	1	0	1	21.63	22.5
				256QAM	1	49	1	0	1	18.91	19.5
				QPSK	1	49	1	0	1	23.84	24.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132022	1715	132094	1722.2	QPSK	1	49	1	0	1	23.84	24.5
				16QAM	1	49	1	0	1	23.17	23.5
				64QAM	1	49	1	0	1	21.62	22.5
				256QAM	1	49	1	0	1	19.00	19.5
				QPSK	1	49	1	0	1	23.86	24.5
132397	1752.5	132489	1759.7	16QAM	1	49	1	0	1	23.05	23.5
				64QAM	1	49	1	0	1	21.70	22.5
				256QAM	1	49	1	0	1	18.86	19.5
				QPSK	1	49	1	0	1	23.58	24.5
				16QAM	1	49	1	0	1	22.99	23.5
132572	1770	132644	1777.2	64QAM	1	49	1	0	1	21.63	22.5
				256QAM	1	49	1	0	1	18.91	19.5
				QPSK	1	49	1	0	1	23.84	24.5
				16QAM	1	49	1	0	1	23.17	23.5
				64QAM	1	49	1	0	1	21.62	22.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132000	1712.8	132072	1720	QPSK	1	24	1	0	1	23.85	24.5
				16QAM	1	24	1	0	1	23.11	23.5
				64QAM	1	24	1	0	1	21.54	22.5
				256QAM	1	24	1	0	1	19.01	19.5
				QPSK	1	24	1	0	1	23.82	24.5
132375	1750.3	132447	1757.5	16QAM	1	24	1	0	1	23.14	23.5
				64QAM	1	24	1	0	1	21.58	22.5
				256QAM	1	24	1	0	1	18.85	19.5
				QPSK	1	24	1	0	1	23.63	24.5
				16QAM	1	24	1	0	1	23.00	23.5
132550	1767.8	132622	1775	64QAM	1	24	1	0	1	21.50	22.5
				256QAM	1	24	1	0	1	18.86	19.5
				QPSK	1	24	1	0	1	23.85	24.5
				16QAM	1	24	1	0	1	23.12	23.5
				64QAM	1	24	1	0	1	21.53	22.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
131997	1712.5	132045	1717.3	QPSK	1	24	1	0	1	23.89	24.5
				16QAM	1	24	1	0	1	23.19	23.5
				64QAM	1	24	1	0	1	21.55	22.5
				256QAM	1	24	1	0	1	18.92	19.5
				QPSK	1	24	1	0	1	23.83	24.5
132398	1777.5	132446	1782.3	16QAM	1	24	1	0	1	23.12	23.5
				64QAM	1	24	1	0	1	21.66	22.5
				256QAM	1	24	1	0	1	18.77	19.5
				QPSK	1	24	1	0	1	23.65	24.5
				16QAM	1	24	1	0	1	23.02	23.5
132598	1772.7	132647	1777.5	64QAM	1	24	1	0	1	21.63	22.5
				256QAM	1	24	1	0	1	18.88	19.5
				QPSK	1	24	1	0	1	23.88	24.5
				16QAM	1	24	1	0	1	23.15	23.5
				64QAM	1	24	1	0	1	21.63	22.5

CA_66C (Ant1)										
Combination 20MHz+20MHz (100RB+100RB)										
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		
132072	1720	132270	1739.8	QPSK	1	99	1	0	23.91	24.5
				16QAM	1	99	1	0	23.26	23.5
				64QAM	1	99	1	0	21.31	22.5
				256QAM	1	99	1	0	18.99	19.5
132323	1745.1	132521	1764.9	QPSK	1	99	1	0	24.07	24.5
				16QAM	1	99	1	0	23.07	23.5
				64QAM	1	99	1	0	21.71	22.5
				256QAM	1	99	1	0	18.99	19.5
132374	1750.2	132572	1770	QPSK	1	99	1	0	23.86	24.5
				16QAM	1	99	1	0	23.05	23.5
				64QAM	1	99	1	0	21.17	22.5
				256QAM	1	99	1	0	18.94	19.5
Combination 20MHz+15MHz (100RB+75RB)										
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		
132072	1720	132243	1737.1	QPSK	1	99	1	0	23.79	24.5
				16QAM	1	99	1	0	23.14	23.5
				64QAM	1	99	1	0	21.19	22.5
				256QAM	1	99	1	0	18.96	19.5
132346	1747.6	132519	1764.7	QPSK	1	99	1	0	23.77	24.5
				16QAM	1	99	1	0	22.98	23.5
				64QAM	1	99	1	0	21.65	22.5
				256QAM	1	99	1	0	18.96	19.5
132423	1756.1	132594	1772.2	QPSK	1	99	1	0	23.85	24.5
				16QAM	1	99	1	0	22.96	23.5
				64QAM	1	99	1	0	21.10	22.5
				256QAM	1	99	1	0	18.96	19.5
Combination 15MHz+20MHz (75RB+100RB)										
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		
132060	1717.8	132221	1734.9	QPSK	1	74	1	0	23.83	24.5
				16QAM	1	74	1	0	23.17	23.5
				64QAM	1	74	1	0	21.25	22.5
				256QAM	1	74	1	0	18.88	19.5
132325	1745.3	132496	1762.4	QPSK	1	74	1	0	23.83	24.5
				16QAM	1	74	1	0	23.02	23.5
				64QAM	1	74	1	0	21.64	22.5
				256QAM	1	74	1	0	18.90	19.5
132401	1752.9	132572	1770	QPSK	1	74	1	0	23.81	24.5
				16QAM	1	74	1	0	22.95	23.5
				64QAM	1	74	1	0	21.16	22.5
				256QAM	1	74	1	0	18.79	19.5
Combination 20MHz+10MHz (100RB+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		
132072	1720	132216	1734.4	QPSK	1	99	1	0	23.85	24.5
				16QAM	1	99	1	0	23.30	23.5
				64QAM	1	99	1	0	21.63	22.5
				256QAM	1	99	1	0	19.10	19.5
132373	1750.1	132517	1764.5	QPSK	1	99	1	0	23.79	24.5
				16QAM	1	99	1	0	23.24	23.5
				64QAM	1	99	1	0	21.69	22.5
				256QAM	1	99	1	0	19.04	19.5
132473	1760.1	132617	1774.5	QPSK	1	99	1	0	23.74	24.5
				16QAM	1	99	1	0	23.15	23.5
				64QAM	1	99	1	0	21.58	22.5
				256QAM	1	99	1	0	19.03	19.5
Combination 10MHz+20MHz (50RB+100RB)										
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		
132027	1715.5	132171	1729.9	QPSK	1	49	1	0	23.69	24.5
				16QAM	1	49	1	0	23.19	23.5
				64QAM	1	49	1	0	21.55	22.5
				256QAM	1	49	1	0	19.04	19.5
132328	1745.6	132472	1760	QPSK	1	49	1	0	23.66	24.5
				16QAM	1	49	1	0	23.09	23.5
				64QAM	1	49	1	0	21.62	22.5
				256QAM	1	49	1	0	18.91	19.5
132428	1756.6	132572	1770	QPSK	1	49	1	0	23.60	24.5
				16QAM	1	49	1	0	22.90	23.5
				64QAM	1	49	1	0	21.54	22.5
				256QAM	1	49	1	0	18.91	19.5
Combination 15MHz+15MHz (75RB+75RB)										
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		
132047	1717.5	132197	1732.5	QPSK	1	74	1	0	23.92	24.5
				16QAM	1	74	1	0	23.29	23.5
				64QAM	1	74	1	0	21.52	22.5
				256QAM	1	74	1	0	19.15	19.5
132347	1747.5	132497	1762.5	QPSK	1	74	1	0	23.65	24.5
				16QAM	1	74	1	0	23.05	23.5
				64QAM	1	74	1	0	21.56	22.5
				256QAM	1	74	1	0	18.99	19.5
132447	1757.5	132597	1772.5	QPSK	1	74	1	0	23.65	24.5
				16QAM	1	74	1	0	22.98	23.5
				64QAM	1	74	1	0	21.61	22.5
				256QAM	1	74	1	0	18.91	19.5
Combination 15MHz+10MHz (75RB+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		
132047	1717.5	132167	1729.5	QPSK	1	74	1	0	23.85	24.5
				16QAM	1	74	1	0	23.18	23.5
				64QAM	1	74	1	0	21.42	22.5
				256QAM	1	74	1	0	18.92	19.5
132373	1750.1	132493	1762.1	QPSK	1	74	1	0	23.61	24.5
				16QAM	1	74	1	0	23.00	23.5
				64QAM	1	74	1	0	21.57	22.5
				256QAM	1	74	1	0	18.96	19.5
132496	1762.7	132619	1774.7	QPSK	1	74	1	0	23.58	24.5
				16QAM	1	74	1	0	23.00	23.5
				64QAM	1	74	1	0	21.53	22.5
				256QAM	1	74	1	0	18.86	19.5
Combination 10MHz+15MHz (50RB+75RB)										
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		
132025	1715.3	132145	1727.3	QPSK	1	49	1	0	23.96	24.5
				16QAM	1	49	1	0	23.15	23.5
				64QAM	1	49	1	0	21.37	22.5
				256QAM	1	49	1	0	18.93	19.5
132351	1747.9	132471	1759.9	QPSK	1	49	1	0	23.67	24.5
				16QAM	1	49	1	0	22.97	23.5
				64QAM	1	49	1	0	21.43	22.5
				256QAM	1	49	1	0	18.94	19.5
132477	1760.5	132597	1772.5	QPSK	1	49	1	0	23.55	24.5
				16QAM	1	49	1	0	22.92	23.5
				64QAM	1	49	1	0	21.49	22.5
				256QAM	1	49	1	0	18.99	19.5
Combination 20MHz+5MHz (100RB+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		
132072	1720	132189	1731.7	QPSK	1	99	1	0	23.95	24.5
				16QAM	1	99	1	0	23.18	23.5
				64QAM	1	99	1	0	21.41	22.5
				256QAM	1	99	1	0	18.93	19.5
132397	1752.5	132514	1764.2	QPSK	1	99	1	0	23.66	24.5
				16QAM	1	99	1	0	22.99	23.5
				64QAM	1	99	1	0	21.50	22.5
				256QAM	1	99	1	0	18.91	19.5
132522	1765	132639	1776.7	QPSK	1	99	1	0	23.41	24.5
				16QAM	1	99	1	0	22.29	23.5
				64QAM	1	99	1	0	21.48	22.5
				256QAM	1	99	1	0	18.86	19.5
Combination 5MHz+20MHz (25RB+100RB)										
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		
132005	1713.3	132122	1725	QPSK	1	24	1	0	23.87	24.5
				16QAM	1	24	1	0	23.18	23.5
				64QAM	1	24	1	0	21.38	22.5
				256QAM	1	24	1	0	18.89	19.5
132330	1745.8	132447	1757.5	QPSK	1	24	1	0	23.83	24.5
				16QAM	1	24	1	0	23.03	23.5
				64QAM	1	24	1	0	21.46	22.5
				256QAM	1	24	1	0	18.85	19.5
132455	1758.3	132572	1770	QPSK	1	24	1	0	23.81	24.5
				16QAM	1	24	1	0	22.90	23.5
				64QAM	1	24	1	0	21.44	22.5
				256QAM	1	24	1	0	18.89	19.5

Receiver off_DS14

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	17.15		18.5	
		1	137	16.89		18.5	
		1	271	16.87		18.5	
		135	0	17.11		18.5	
		135	69	16.83		18.5	
		135	138	16.96		18.5	
		270	0	16.79		18.5	
	DFT-s-OFDM QPSK	1	1	17.39		18.5	
		1	137	17.06		18.5	
		1	271	16.94		18.5	
		135	0	17.15		18.5	
		135	69	17.21		18.5	
		135	138	16.99		18.5	
		270	0	17.03		18.5	
	DFT-s-OFDM 16QAM	1	1	17.35		18.5	
	DFT-s-OFDM 64QAM	1	1	16.92		17.5	
	DFT-s-OFDM 256QAM	1	1	15.30		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	17.35	17.38	17.34	18.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	17.23	17.29	17.33	18.5
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	17.23	17.33	17.29	18.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	17.23	17.32	17.32	18.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	17.34	17.30	17.31	18.5
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	17.23	17.36	17.28	18.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	17.24	17.36	17.19	18.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	17.26	17.36	17.29	18.5
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	17.25	17.36	17.29	18.5
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	17.25	17.23	17.22	18.5
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	17.30	17.33	17.33	18.5

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	17.07	17.24	17.22	18.5
		1	137	17.01	17.33	17.64	18.5
		1	271	17.16	17.50	16.78	18.5
		135	0	17.14	17.37	17.44	18.5
		135	69	17.12	17.34	17.61	18.5
		135	138	17.21	17.26	17.72	18.5
		270	0	17.18	17.40	17.63	18.5
	DFT-s-OFDM QPSK	1	1	17.48	17.56	17.77	18.5
		1	137	17.27	17.42	17.59	18.5
		1	271	17.31	17.38	17.70	18.5
		135	0	17.37	17.32	17.59	18.5
		135	69	17.46	17.52	17.61	18.5
		135	138	17.29	17.40	17.54	18.5
		270	0	17.34	17.44	17.66	18.5
	DFT-s-OFDM 16QAM	1	1	17.26	17.17	17.47	18.5
	DFT-s-OFDM 64QAM	1	1	16.93	16.74	17.26	17.5
	DFT-s-OFDM 256QAM	1	1	15.16	15.24	15.54	16
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
90M	DFT-s-OFDM QPSK	1	1	17.45	17.39	17.75	18.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
80M	DFT-s-OFDM QPSK	1	1	17.46	17.37	17.63	18.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
70M	DFT-s-OFDM QPSK	1	1	17.38	17.44	17.74	18.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
60M	DFT-s-OFDM QPSK	1	1	17.40	17.36	17.72	18.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
50M	DFT-s-OFDM QPSK	1	1	17.40	17.47	17.68	18.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
40M	DFT-s-OFDM QPSK	1	1	17.39	17.36	17.73	18.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
30M	DFT-s-OFDM QPSK	1	1	17.45	17.48	17.65	18.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
20M	DFT-s-OFDM QPSK	1	1	17.33	17.48	17.76	18.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
15M	DFT-s-OFDM QPSK	1	1	17.43	17.45	17.63	18.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
10M	DFT-s-OFDM QPSK	1	1	17.47	17.37	17.63	18.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
5M	DFT-s-OFDM QPSK	1	1	17.41	17.49	17.73	18.5

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	20.55		21.5	
		1	137	20.29		21.5	
		1	271	20.25		21.5	
		135	0	20.56		21.5	
		135	69	20.29		21.5	
		135	138	20.33		21.5	
		270	0	20.40		21.5	
	DFT-s-OFDM QPSK	1	1	20.83		21.5	
		1	137	20.44		21.5	
		1	271	20.53		21.5	
		135	0	20.65		21.5	
		135	69	20.69		21.5	
		135	138	20.50		21.5	
		270	0	20.56		21.5	
	DFT-s-OFDM 16QAM	1	1	20.59		21.5	
	DFT-s-OFDM 64QAM	1	1	20.41		21	
	DFT-s-OFDM 256QAM	1	1	18.82		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	20.77	20.80	20.82	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	20.66	20.66	20.75	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	20.74	20.69	20.74	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	20.70	20.79	20.77	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	20.62	20.75	20.79	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	20.63	20.65	20.80	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	20.76	20.65	20.73	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	20.72	20.74	20.81	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	20.62	20.66	20.72	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	20.66	20.71	20.78	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	20.67	20.75	20.80	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	20.21	20.30	20.26	21.5
		1	137	20.20	20.64	20.41	21.5
		1	271	20.32	19.92	20.60	21.5
		135	0	20.39	20.42	20.36	21.5
		135	69	20.23	20.61	20.32	21.5
		135	138	20.39	20.80	20.36	21.5
		270	0	20.31	20.68	20.52	21.5
	DFT-s-OFDM QPSK	1	1	20.55	20.90	20.67	21.5
		1	137	20.39	20.61	20.51	21.5
		1	271	20.45	20.86	20.54	21.5
		135	0	20.54	20.60	20.47	21.5
		135	69	20.48	20.77	20.59	21.5
		135	138	20.44	20.75	20.60	21.5
		270	0	20.47	20.64	20.50	21.5
	DFT-s-OFDM 16QAM	1	1	20.26	20.54	20.33	21.5
	DFT-s-OFDM 64QAM	1	1	20.02	20.32	19.94	21
	DFT-s-OFDM 256QAM	1	1	18.24	18.59	18.33	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	20.47	20.79	20.66	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	20.43	20.89	20.60	21.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	20.40	20.81	20.66	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	20.45	20.87	20.54	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	20.54	20.76	20.60	21.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	20.42	20.82	20.65	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	20.53	20.86	20.56	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	20.53	20.77	20.65	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	20.40	20.87	20.65	21.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	20.45	20.75	20.53	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	20.49	20.82	20.55	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	18.81		20.5	
		1	137	18.47		20.5	
		1	271	18.46		20.5	
		135	0	18.75		20.5	
		135	69	18.48		20.5	
		135	138	18.58		20.5	
		270	0	18.66		20.5	
	DFT-s-OFDM QPSK	1	1	19.10		20.5	
		1	137	18.60		20.5	
		1	271	18.78		20.5	
		135	0	18.89		20.5	
		135	69	18.95		20.5	
		135	138	18.74		20.5	
		270	0	18.84		20.5	
	DFT-s-OFDM 16QAM	1	1	18.74		20.5	
	DFT-s-OFDM 64QAM	1	1	18.49		19.5	
	DFT-s-OFDM 256QAM	1	1	17.03		18	
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	19.08	19.09	19.06	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	19.01	19.02	18.94	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	18.98	19.08	18.98	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	18.95	18.96	18.95	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	18.97	18.95	18.93	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	19.03	19.07	19.02	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	18.94	19.05	18.98	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	19.07	19.08	19.00	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	19.04	19.02	18.91	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	19.05	19.01	19.04	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	18.94	18.97	18.97	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	19.00	19.00	19.03	20.5
		1	137	18.87	19.35	19.14	20.5
		1	271	19.08	18.60	19.26	20.5
		135	0	19.09	19.07	19.12	20.5
		135	69	18.95	19.32	19.06	20.5
		135	138	19.08	19.53	19.01	20.5
		270	0	19.02	19.39	19.30	20.5
	DFT-s-OFDM QPSK	1	1	19.33	19.65	19.58	20.5
		1	137	19.14	19.31	19.20	20.5
		1	271	19.21	19.63	19.22	20.5
		135	0	19.21	19.32	19.19	20.5
		135	69	19.17	19.56	19.24	20.5
		135	138	19.22	19.49	19.39	20.5
		270	0	19.14	19.39	19.15	20.5
	DFT-s-OFDM 16QAM	1	1	19.01	19.30	19.04	20.5
	DFT-s-OFDM 64QAM	1	1	18.71	19.08	18.63	19.5
	DFT-s-OFDM 256QAM	1	1	16.89	17.29	17.08	18
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	19.22	19.57	19.49	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	19.29	19.51	19.57	20.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	19.18	19.52	19.54	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	19.30	19.59	19.45	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	19.29	19.55	19.48	20.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	19.23	19.55	19.46	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	19.25	19.60	19.46	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	19.27	19.55	19.51	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	19.27	19.50	19.56	20.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	19.31	19.58	19.43	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	19.24	19.55	19.57	20.5

Receiver on_DS12

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	32.96	32.01	32.84	33.50	30.40	29.32	29.21	31.00
GPRS 1Tx Slot	32.98	32.06	32.86	33.50	30.42	29.34	29.28	31.00
GPRS 2Tx Slot	30.98	30.11	30.50	31.50	28.53	27.65	27.51	29.50
GPRS 3Tx Slot	28.97	28.12	28.79	29.50	26.54	25.47	25.42	27.00
GPRS 4Tx Slot	26.82	26.77	27.78	28.50	25.60	24.36	24.04	26.00
EDGE 1Tx Slot	27.34	26.05	27.59	28.00	26.49	25.42	25.48	27.00
EDGE 2Tx Slot	25.55	24.44	25.93	26.00	24.98	24.01	24.08	25.50
EDGE 3Tx Slot	23.12	22.53	23.57	24.00	21.73	21.77	22.53	23.00
EDGE 4Tx Slot	21.83	21.17	22.34	23.00	20.28	20.31	21.35	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	24.35	24.31	24.34	25.00	24.24	24.26	24.27	25.00
HSDPA Subtest-1	23.31	23.41	23.32	24.00	23.24	23.24	23.23	24.00
HSDPA Subtest-2	23.40	23.31	23.34	24.00	23.32	23.32	23.22	24.00
HSDPA Subtest-3	22.81	22.83	22.80	23.50	22.68	22.70	22.74	23.50
HSDPA Subtest-4	22.72	22.77	22.78	23.50	22.73	22.75	22.64	23.50
DC-HSDPA Subtest-1	23.28	23.25	23.28	24.00	23.25	23.25	23.16	24.00
DC-HSDPA Subtest-2	23.25	23.26	23.31	24.00	23.17	23.33	23.17	24.00
DC-HSDPA Subtest-3	22.72	22.74	22.75	23.50	22.62	22.64	22.64	23.50
DC-HSDPA Subtest-4	22.63	22.62	22.77	23.50	22.60	22.50	22.62	23.50
HSUPA Subtest-1	23.40	23.48	23.40	24.00	23.28	23.22	23.21	24.00
HSUPA Subtest-2	22.87	22.84	22.81	23.50	22.68	22.75	22.74	23.50
HSUPA Subtest-3	23.32	23.29	23.32	24.00	23.17	23.24	23.17	24.00
HSUPA Subtest-4	23.27	23.24	23.27	24.00	23.26	23.33	23.20	24.00
HSUPA Subtest-5	23.29	23.27	23.25	24.00	23.25	23.27	23.26	24.00

Receiver on DSD

LTE Band 2 (Aur1)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max	Time-req (dBm)	Max. Tx Power (dBm)
		Channel	Frequency (MHz)	1920	1980	1980	2040		
20M	QPSK	1	0	23.81	23.85	23.82	24.5		
		1	50	23.80	23.81	23.81	24.5		
		1	50	23.82	23.83	23.83	24.5		
		50	0	22.45	22.49	22.41	23.5		
		50	0	22.46	22.48	22.48	23.5		
		50	50	22.48	22.49	22.47	23.5		
		100	0	22.41	22.42	22.40	23.5		
		100	0	22.44	22.45	22.47	23.5		
		1	50	22.74	22.75	22.61	23.5		
		1	50	22.71	22.63	22.65	23.5		
20M	16QAM	50	14	21.61	21.63	21.63	22.5		
		50	25	21.47	21.43	21.42	22.5		
		50	50	21.45	21.54	21.44	22.5		
		100	0	21.55	21.57	21.58	22.5		
		1	0	21.84	21.82	21.85	22.5		
		1	50	21.82	21.85	21.82	22.5		
		1	50	21.48	21.71	21.60	22.5		
		50	0	20.44	20.49	20.48	21.5		
		50	50	20.47	20.54	20.51	21.5		
		100	0	20.46	20.48	20.48	21.5		
20M	16QAM	1	0	18.87	18.86	18.81	19.5		
		1	50	18.46	18.55	18.46	19.5		
		1	50	18.58	18.44	18.47	19.5		
		50	14	18.63	18.43	18.43	19.5		
		50	25	18.52	18.45	18.42	19.5		
		50	50	18.54	18.46	18.43	19.5		
		100	0	18.57	18.41	18.55	19.5		
20M	QPSK	1	0	19.87	19.85	19.85	20.5		
		1	37	23.36	23.45	23.12	24.5		
		1	74	23.32	23.19	23.31	24.5		
		36	0	22.44	22.29	22.38	23.5		
		36	19	22.28	22.28	22.17	23.5		
		36	36	22.42	22.25	22.30	23.5		
		75	0	22.34	22.23	22.43	23.5		
		1	0	22.42	22.62	22.42	23.5		
		1	0	22.47	22.65	22.41	23.5		
		74	24	22.44	22.45	22.52	23.5		
15M	16QAM	36	0	21.22	21.18	21.25	22.5		
		36	0	21.41	21.38	21.33	22.5		
		36	36	21.25	21.44	21.20	22.5		
		75	0	21.32	21.21	21.30	22.5		
		1	0	21.46	21.47	21.45	22.5		
		1	37	21.45	21.51	21.52	22.5		
		1	74	21.34	21.57	21.38	22.5		
		36	0	20.25	20.30	20.20	21.5		
		36	19	20.44	20.34	20.26	21.5		
		36	36	20.40	20.30	20.21	21.5		
15M	QPSK	1	0	20.25	20.35	20.30	21.5		
		1	0	18.36	18.58	18.52	19.5		
		1	0	18.54	18.54	18.54	19.5		
		1	74	18.52	18.35	18.41	19.5		
		36	0	18.36	18.34	18.33	19.5		
		36	0	18.46	18.41	18.40	19.5		
		36	36	18.52	18.33	18.41	19.5		
		75	0	18.48	18.38	18.47	19.5		
15M	16QAM	1	0	18.55	18.55	18.55	19.5		
		1	0	23.38	23.42	23.21	24.5		
		1	37	23.37	23.42	23.21	24.5		
		1	48	23.26	23.25	23.35	24.5		
		25	0	22.32	22.28	22.28	23.5		
		25	0	22.35	22.28	22.35	23.5		
		25	25	22.35	22.22	22.34	23.5		
		50	0	22.32	22.31	22.28	23.5		
		22	36	22.38	22.48	22.35	23.5		
		1	24	22.62	22.64	22.48	23.5		
15M	16QAM	1	49	22.49	22.35	22.47	23.5		
		25	0	21.25	21.48	21.36	22.5		
		25	12	21.29	21.18	21.19	22.5		
		25	25	21.30	21.35	21.28	22.5		
		50	0	21.39	21.39	21.27	22.5		
		1	0	21.37	21.44	21.44	22.5		
		1	24	21.37	21.65	21.28	22.5		
		1	48	21.37	21.55	21.45	22.5		
		25	0	20.21	20.23	20.51	21.5		
		25	0	20.33	20.36	20.47	21.5		
15M	QPSK	25	25	20.26	20.30	20.24	21.5		
		25	0	20.25	20.34	20.23	21.5		
		25	0	18.62	18.61	18.58	19.5		
		1	24	18.32	18.45	18.31	19.5		
		1	49	18.45	18.38	18.41	19.5		
		25	0	18.32	18.30	18.28	19.5		
		25	12	18.39	18.41	18.28	19.5		
		25	25	18.47	18.41	18.42	19.5		
		50	0	18.55	18.35	18.49	19.5		
		1	0	18.55	18.35	18.49	19.5		
15M	QPSK	1	0	19.85	19.85	19.85	20.5		
		1	12	23.25	23.35	23.11	24.5		
		1	24	23.35	23.22	23.27	24.5		
		12	0	22.35	22.28	22.24	23.5		
		12	6	22.24	22.17	22.21	23.5		
		12	13	22.38	22.25	22.38	23.5		
		15	0	22.33	22.22	22.37	23.5		
		7	0	22.43	22.68	22.38	23.5		
		1	0	22.46	22.65	22.41	23.5		
		1	24	22.49	22.35	22.49	23.5		
15M	16QAM	12	0	21.22	21.23	21.35	22.5		
		12	6	21.32	21.32	21.27	22.5		
		12	13	21.27	21.31	21.32	22.5		
		25	0	21.39	21.38	21.09	22.5		
		1	0	21.48	21.43	21.31	22.5		
		1	12	21.44	21.63	21.24	22.5		
		1	24	21.27	21.65	21.39	22.5		
		1	0	20.24	20.28	20.27	21.5		
		12	6	20.36	20.28	20.23	21.5		
		12	13	20.27	20.24	20.31	21.5		
15M	QPSK	1	0	18.41	18.40	18.31	19.5		
		1	24	18.44	18.41	18.38	19.5		
		12	0	18.38	18.38	18.41	19.5		
		12	6	18.45	18.34	18.34	19.5		
		12	13	18.47	18.35	18.29	19.5		
		25	0	18.54	18.45	18.46	19.5		
15M	QPSK	1	0	19.85	19.85	19.85	20.5		
		1	0	23.29	23.47	23.18	24.5		
		1	0	23.41	23.45	23.25	24.5		
		1	14	23.26	23.15	23.22	24.5		
		8	0	22.38	22.23	22.26	23.5		
		8	0	22.44	22.51	22.45	23.5		
		6	7	22.42	22.24	22.41	23.5		
		15	0	22.38	22.25	22.32	23.5		
		22	37	22.37	22.62	22.46	23.5		
		1	7	22.89	22.47	22.54	23.5		
15M	16QAM	1	14	22.46	22.35	22.59	23.5		
		1	0	21.18	21.35	21.35	22.5		
		6	3	21.35	21.25	21.23	22.5		
		15	0	21.28	21.25	21.34	22.5		
		1	0	21.44	21.42	21.40	22.5		
		1	14	21.35	21.59	21.41	22.5		
		8	0	20.25	20.27	20.20	21.5		
		8	0	20.34	20.30	20.19	21.5		
		6	7	20.33	20.31	20.30	21.5		
		15	0	20.29	20.23	20.25	21.5		
15M	QPSK	1	0	18.39	18.65	18.51	19.5		
		1	7	18.37	18.47	18.44	19.5		
		1	14	18.41	18.37	18.35	19.5		
		1	0	18.40	18.38	18.40	19.5		
		8	3	18.39	18.30	18.29	19.5		
		8	7	18.47	18.30	18.41	19.5		
		15	0	18.50	18.48	18.52	19.5		
15M	QPSK	1	0	19.85	19.85	19.85	20.5		
		1	0	23.29	23.47	23.18	24.5		
		1	0	23.41	23.45	23.25	24.5		
		1	14	23.26	23.15	23.22	24.5		
		8	0	22.38	22.23	22.26	23.5		
		8	0	22.44	22.51	22.45	23.5		
		6	7	22.42	22.24	22.41	23.5		
		15	0	22.38	22.25	22.32	23.5		

LTE Band 12 (Aar2)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (MHz)	Channel	Max. Time-up (MHz)
		Frequency (MHz)	798.5	798.5	798.5	798.5			
10M	QPSK	1	0	24.08	24.08	24.08	25.5	2380	2380
		1	24	24.12	24.11	24.08	25.5		
		1	49	24.07	24.01	23.97	25.5		
		25	0	23.11	23.10	23.07	24.5		
		25	24	23.07	23.18	23.18	24.5		
	16QAM	25	25	23.15	23.11	23.14	24.5		
		50	0	23.18	23.18	23.18	24.5		
		50	24	23.18	23.18	23.18	24.5		
		1	24	23.18	23.11	23.18	24.5		
		1	49	23.07	23.08	23.07	24.5		
10M	16QAM	25	0	22.15	22.15	22.15	23.5	2392	2392
		25	12	22.17	22.22	22.15	23.5		
		25	25	22.16	22.18	22.11	23.5		
		50	0	22.18	22.18	22.17	23.5		
		1	0	22.22	22.21	22.19	23.5		
	64QAM	1	24	22.21	22.23	22.21	23.5		
		1	49	22.07	22.18	22.21	23.5		
		25	0	21.12	21.12	21.08	22.5		
		25	24	21.08	21.19	21.19	22.5		
		50	0	21.18	21.13	21.21	22.5		
10M	16QAM	50	0	21.14	21.15	21.18	22.5	2395	2395
		1	0	19.18	19.08	19.25	20.5		
		1	24	19.21	19.31	19.27	20.5		
		1	49	19.28	19.24	19.21	20.5		
		25	0	18.15	18.17	18.14	20.5		
	28QAM	25	12	18.24	18.23	18.21	20.5		
		25	25	18.18	18.22	18.19	20.5		
		50	0	18.28	18.18	18.25	20.5		
10M	QPSK	1	0	19.08	19.08	19.08	20.5	2395	2395
		1	12	14.07	14.01	14.08	20.5		
		1	24	23.89	23.89	23.89	20.5		
		12	0	23.05	23.05	23.03	24.5		
		12	6	23.18	23.08	23.18	24.5		
	16QAM	12	13	23.03	23.08	23.03	24.5		
		25	0	23.07	23.08	23.14	24.5		
		1	0	23.28	23.24	23.15	24.5		
		1	12	23.23	23.17	23.22	24.5		
		1	24	23.21	23.13	23.18	24.5		
10M	16QAM	12	0	22.18	22.09	22.10	23.5	2395	2395
		12	6	22.09	22.09	22.10	23.5		
		12	13	22.05	22.07	22.05	23.5		
		25	0	22.15	22.03	22.16	23.5		
		1	0	22.18	22.16	22.16	23.5		
	64QAM	1	12	22.17	22.08	22.28	23.5		
		1	24	22.13	22.13	22.10	23.5		
		12	0	21.04	21.11	21.10	22.5		
		12	13	21.08	21.09	21.07	22.5		
		25	0	21.07	21.14	21.09	22.5		
10M	28QAM	1	0	19.07	19.19	19.09	20.5	2395	2395
		1	12	19.07	19.07	19.07	20.5		
		1	24	19.15	19.05	19.11	20.5		
		12	0	18.08	18.03	18.04	20.5		
		12	6	18.06	18.06	18.06	20.5		
	16QAM	12	13	18.05	18.04	18.05	20.5		
		25	0	18.02	18.05	18.08	20.5		
		1	0	18.12	18.08	18.08	20.5		
		1	12	22.07	22.07	22.07	23.5		
		1	24	22.13	22.12	22.18	23.5		
10M	QPSK	1	0	24.08	24.01	23.92	25.5	2395	2395
		1	14	23.95	23.95	23.95	25.5		
		1	14	23.95	23.91	23.95	25.5		
		8	0	23.08	23.08	23.04	24.5		
		8	7	22.97	23.02	23.11	24.5		
	16QAM	15	0	23.08	23.04	23.15	24.5		
		1	7	23.21	23.18	23.21	24.5		
		1	14	23.18	23.13	23.07	24.5		
		8	0	22.07	22.02	22.01	23.5		
		8	3	22.03	22.12	22.11	23.5		
10M	64QAM	15	0	22.07	22.02	22.01	23.5	2395	2395
		1	0	22.21	22.16	22.19	23.5		
		1	14	22.11	22.13	22.17	23.5		
		8	0	21.02	21.01	20.95	22.5		
		8	3	21.03	21.06	21.10	22.5		
	28QAM	8	7	21.07	21.12	21.16	22.5		
		15	0	21.03	21.01	21.05	22.5		
		1	0	18.02	18.15	18.18	20.5		
		1	7	18.15	18.16	18.14	20.5		
		1	14	18.12	18.08	18.10	20.5		
10M	QPSK	1	0	24.08	24.01	23.92	25.5	2395	2395
		1	14	23.95	23.95	23.95	25.5		
		1	14	23.95	23.91	23.95	25.5		
		8	0	23.08	23.08	23.04	24.5		
		8	7	22.97	23.02	23.11	24.5		
	16QAM	15	0	23.08	23.04	23.15	24.5		
		1	7	23.21	23.18	23.21	24.5		
		1	14	23.18	23.13	23.07	24.5		
		8	0	22.07	22.02	22.01	23.5		
		8	3	22.03	22.12	22.11	23.5		
10M	64QAM	15	0	22.07	22.02	22.01	23.5	2395	2395
		1	0	22.21	22.16	22.19	23.5		
		1	14	22.11	22.13	22.17	23.5		
		8	0	21.02	21.01	20.95	22.5		
		8	3	21.03	21.06	21.10	22.5		
	28QAM	8	7	21.07	21.12	21.16	22.5		
		15	0	21.03	21.01	21.05	22.5		
		1	0	18.02	18.15	18.18	20.5		
		1	7	18.15	18.16	18.14	20.5		
		1	14	18.12	18.08	18.10	20.5		
10M	QPSK	1	0	24.08	24.01	23.92	25.5	2395	2395
		1	14	23.95	23.95	23.95	25.5		
		1	14	23.95	23.91	23.95	25.5		
		8	0	23.08	23.08	23.04	24.5		
		8	7	22.97	23.02	23.11	24.5		
	16QAM	15	0	23.08	23.04	23.15	24.5		
		1	7	23.21	23.18	23.21	24.5		
		1	14	23.18	23.13	23.07	24.5		
		8	0	22.07	22.02	22.01	23.5		
		8	3	22.03	22.12	22.11	23.5		
10M	64QAM	15	0	22.07	22.02	22.01	23.5	2395	2395
		1	0	22.21	22.16	22.19	23.5		
		1	14	22.11	22.13	22.17	23.5		
		8	0	21.02	21.01	20.95	22.5		
		8	3	21.03	21.06	21.10	22.5		
	28QAM	8	7	21.07	21.12	21.16	22.5		
		15	0	21.03	21.01	21.05	22.5		
		1	0	18.02	18.15	18.18	20.5		
		1	7	18.15	18.16	18.14	20.5		
		1	14	18.12	18.08	18.10	20.5		
10M	QPSK	1	0	24.08	24.01	23.92	25.5	2395	2395
		1	14	23.95	23.95	23.95	25.5		
		1	14	23.95	23.91	23.95	25.5		
		8	0	23.08	23.08	23.04	24.5		
		8	7	22.97	23.02	23.11	24.5		
	16QAM	15	0	23.08	23.04	23.15	24.5		
		1	7	23.21	23.18	23.21	24.5		
		1	14	23.18	23.13	23.07	24.5		
		8	0	22.07	22.02	22.01	23.5		
		8	3	22.03	22.12	22.11	23.5		
10M	64QAM	15	0	22.07	22.02	22.01	23.5	2395	2395
		1	0	22.21	22.16	22.19	23.5		
		1	14	22.11	22.13	22.17	23.5		
		8	0	21.02	21.01	20.95	22.5		
		8	3	21.03	21.06	21.10	22.5		
	28QAM	8	7	21.07	21.12	21.16	22.5		
		15	0	21.03	21.01	21.05	22.5		
		1	0	18.02	18.15	18.18	20.5		
		1	7	18.15	18.16	18.14	20.5		
		1	14	18.12	18.08	18.10	20.5		
10M	QPSK	1	0	24.08	24.01	23.92	25.5	2395	2395
		1	14	23.95	23.95	23.95	25.5		
		1	14	23.95	23.91	23.95	25.5		
		8	0	23.08	23.08	23.04	24.5		
		8	7	22.97	23.02	23.11	24.5		
	16QAM	15	0	23.08	23.04	23.15	24.5		
		1	7	23.21	23.18	23.21	24.5		
		1	14	23.18	23.13	23.07	24.5		
		8	0	22.07	22.02	22.01	23.5		
		8	3	22.03	22.12	22.11	23.5		
10M	64QAM	15	0	22.07	22.02	22.01	23.5	2395	2395
		1	0	22.21	22.16	22.19	23.5		
		1	14	22.11	22.13	22.17	23.5		
		8	0	21.02	21.01	20.95	22.5		
		8	3	21.03	21.06	21.10	22.5		
	28QAM	8	7	21.07	21.12	21.16	22.5		
		15	0	21.03	21.01	21.05	22.5		
		1	0	18.02	18.15	18.18	20.5		
		1	7	18.15	18.16	18.14	20.5		
		1	14	18.12	18.08	18.10	20.5		

LTE Band 13 (Aar2)									
BW	Modulation	RB Size	RB Offset	Mid			Max. Time-up (MHz)		
		Frequency (MHz)	798.5	798.5	798.5				
10M	QPSK	1	0	24.18	24.18	24.18	25.5		
		1	24	24.12	24.11	24.11	25.5		
		1	49	24.07	23.97	23.97	25.5		
		25	0	23.11	23.10	23.07	24.5		
		25	24	23.07	23.18	23.18	24.5		
	16QAM	25	0	23.13	23.11	23.14	24.5		
		50	0	23.18	23.18	23.18	24.5		
		50	24	23.18	23.18	23.18	24.5		
		1	24	23.18	23.11	23.18	24.5		
		1	49	23.07	23.08	23.07	24.5		
10M	64QAM	25	0	22.15	22.15	22.15	23.5		
		25	12	22.17	22.22	22.15	23.5		
		25	25	22.16	22.18	22.11	23.5		
		50	0	22.18	22.18	22.17	23.5		
		1	0	22.22	22.21	22.19	23.5		
	16QAM	1	24	22.21	22.23	22.21	23.5		
		1	49	22.07	22.18	22.21	23.5		
		25	0	21.12	21.12	21.08	22.5		
		25	24	21.08	21.19	21.19	22.5		
		50	0	21.18	21.13	21.21	22.5		
10M	16QAM	50	0	21.14	21.15	21.18	22.5		
		1	0	19.18	19.08	19.25	20.5		
		1	24	19.21	19.31	19.27	20.5		
		1	49	19.28	19.24	19.21	20.5		
		25	0	18.19	18.19	18.19	20.5		
	64QAM	1	12	18.18	18.09	18.13	20.5		
		1	24	18.13	18.07	18.08	20.5		
		1	49	18.09	18.04	18.01	20.5		
		12	6	18.06	18.09	18.08	20.5		
		12	18	18.04	18.07	18.07	20.5		
10M	16QAM	25	0	16.02	16.06	16.01	20.5		
		1	0	16.02	16.06	16.01	20.5		
		1	24	16.02	16.06	16.01	20.5		
		1	49	16.02	16.06	16.01	20.5		
		25	0	16.02	16.06	16.01	20.5		
	64QAM	1	12	16.18	16.09	16.13	20.5		
		1	24	16.13	16.07	16.08	20.5		
		1	49	16.09	16.04	16.01	20.5		
		12	6	16.06	16.09	16.08	20.5		
		12	18	16.04	16.07	16.07	20.5		

Receiver on_DS12

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Channel	372000	376000	380000
				Frequency (MHz)	1860	1880	1900
						Max. Tune-up (dBm)	
20M	DFT-s-OFDM Pv2 BPSK	1	1	23.33	23.30	23.33	24.5
		1	53	23.24	23.33	23.24	24.5
		1	104	23.23	23.29	23.12	24.5
		50	0	23.36	23.35	23.34	24.5
		50	28	23.35	23.30	23.38	24.5
		50	56	23.38	23.33	23.32	24.5
	DFT-s-OFDM QPSK	100	0	23.37	23.31	23.37	24.5
		1	1	23.38	23.39	23.37	24.5
		1	53	23.26	23.37	23.36	24.5
		1	104	23.25	23.29	23.28	24.5
		50	0	22.82	22.92	22.84	23.5
		50	28	23.33	23.37	23.36	24.5
	DFT-s-OFDM 16QAM	50	56	22.91	22.92	22.84	23.5
		100	0	22.93	22.95	22.90	23.5
		1	1	21.94	22.86	22.97	23.5
		1	1	21.39	21.57	20.95	22.5
		1	1	19.38	18.84	18.82	20.5
		1	1	19.38	18.84	18.82	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	23.34	23.32	23.36	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.32	23.35	23.34	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	23.31	23.33	23.35	24.5

n5 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Channel	166800	167300	167800
				Frequency (MHz)	834	836.5	839
						Max. Tune-up (dBm)	
20M	DFT-s-OFDM Pv2 BPSK	1	1	23.26	23.27	23.25	24.5
		1	53	23.23	23.35	23.29	24.5
		1	104	23.28	23.29	23.21	24.5
		50	0	23.35	23.40	23.36	24.5
		50	28	23.30	23.44	23.37	24.5
		50	56	23.37	23.42	23.45	24.5
	DFT-s-OFDM QPSK	100	0	23.32	23.47	23.39	24.5
		1	1	23.42	23.48	23.38	24.5
		1	53	23.32	23.33	23.32	24.5
		1	104	23.41	23.44	23.36	24.5
		50	0	23.37	23.45	23.33	24.5
		50	28	23.41	23.47	23.39	24.5
	DFT-s-OFDM 16QAM	50	56	23.32	23.39	23.38	24.5
		100	0	23.42	23.46	23.43	24.5
		1	1	23.46	23.44	23.45	24.5
		1	1	21.38	21.49	21.50	22.5
		1	1	19.32	19.41	19.34	20.5
		1	1	19.32	19.41	19.34	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	23.40	23.32	23.39	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	23.41	23.34	23.35	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	23.38	23.34	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/V2 BPSK	1	1	23.66	23.76	23.77	24.5
		1	108	23.69	23.58	23.71	24.5
		1	214	23.73	23.62	23.77	24.5
		108	0	23.01	23.04	22.95	24
		108	54	23.61	23.56	23.73	24.5
		108	108	22.95	22.93	22.73	24
		216	0	22.92	22.97	22.88	24
	DFT-s-OFDM QPSK	1	1	23.68	23.79	23.76	24.5
		1	108	23.58	23.62	23.73	24.5
		1	214	23.62	23.72	23.61	24.5
		108	0	22.97	22.94	23.02	24
		108	54	23.48	23.67	23.59	24.5
		108	108	22.91	22.97	22.82	24
		216	0	22.88	23.02	22.86	24
	DFT-s-OFDM 16QAM	1	1	23.09	23.18	23.07	24
	DFT-s-OFDM 64QAM	1	1	20.95	21.03	20.99	22
	DFT-s-OFDM 256QAM	1	1	18.72	18.71	18.70	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.65	23.73	23.53	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	23.64	23.69	23.55	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.62	23.59	23.56	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	23.61	23.63	23.54	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.66	23.66	23.50	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	23.64	23.71	23.52	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/V2 BPSK	1	1		19.54		21
		1	137		19.17		21
		1	271		19.33		21
		135	0		19.44		21
		135	69		19.33		21
		135	138		19.34		21
		270	0		19.34		21
	DFT-s-OFDM QPSK	1	1		19.74		21
		1	137		19.45		21
		1	271		19.46		21
		135	0		19.61		21
		135	69		19.62		21
		135	138		19.38		21
		270	0		19.55		21
	DFT-s-OFDM 16QAM	1	1		19.69		21
	DFT-s-OFDM 64QAM	1	1		19.37		20
	DFT-s-OFDM 256QAM	1	1		17.78		18.5
BW	MCS Index	Channel		633000	63334	63366	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	19.67	19.73	19.38	21
BW	MCS Index	Channel		632668	633334	22.92	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	22.92	
80M	DFT-s-OFDM QPSK	1	1	19.60	19.60	19.39	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	19.71	19.60	19.35	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	19.73	19.37	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	19.67	19.64	19.36	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	19.68	19.62	19.36	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	19.59	19.65	19.41	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	19.69	19.38	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	19.58	19.64	19.29	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	19.70	19.62	19.37	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	19.60	19.66	19.40	21

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	19.14	19.30	19.24	21
		1	137	19.18	19.38	19.51	21
		1	271	19.28	19.47	19.06	21
		135	0	19.24	19.24	19.46	21
		135	69	19.14	19.43	19.70	21
		135	138	19.24	19.40	19.63	21
		270	0	19.18	19.34	19.65	21
	DFT-s-OFDM QPSK	1	1	19.49	19.61	19.75	21
		1	137	19.26	19.45	19.65	21
		1	271	19.44	19.56	19.72	21
		135	0	19.42	19.41	19.52	21
		135	69	19.45	19.53	19.65	21
		135	138	19.31	19.60	19.61	21
		270	0	19.35	19.43	19.63	21
	DFT-s-OFDM 16QAM	1	1	19.21	19.25	19.56	21
	DFT-s-OFDM 64QAM	1	1	19.00	18.84	19.34	20
	DFT-s-OFDM 256QAM	1	1	17.22	17.19	17.52	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	19.38	19.30	19.57	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	19.39	19.24	19.49	21
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	19.40	19.20	19.57	21
BW	MCS Index	Channel		648668	656000	22.98	Max. Tune-up
		Frequency (MHz)		3730.02	3840	22.98	
60M	DFT-s-OFDM QPSK	1	1	19.31	19.26	19.49	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	19.42	19.28	19.52	21
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	19.40	19.29	19.55	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	19.31	19.25	19.56	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	19.31	19.21	19.44	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	19.37	19.33	19.45	21
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	19.43	19.24	19.54	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	19.31	19.23	19.49	21

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		22.35		24
		1	137		22.31		24
		1	271		22.34		24
		135	0		21.94		23.5
		135	69		22.29		24
		135	138		21.79		23.5
		270	0		21.83		23.5
	DFT-s-OFDM QPSK	1	1		22.45		24
		1	137		22.33		24
		1	271		22.27		24
		135	0		21.36		23
		135	69		22.37		24
		135	138		21.36		23
		270	0		21.33		23
	DFT-s-OFDM 16QAM	1	1		21.57		23
	DFT-s-OFDM 64QAM	1	1		19.80		20.5
	DFT-s-OFDM 256QAM	1	1		17.48		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	22.36	22.42	22.29	24
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	22.34	22.42	22.42	24
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	22.38	22.38	22.32	24
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	22.24	22.39	22.32	24
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	22.34	22.38	22.30	24
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	22.37	22.44	22.41	24
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	22.28	22.37	22.35	24
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	22.33	22.40	22.42	24
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	22.32	22.41	22.29	24
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	22.36	22.42	22.32	24
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	22.36	22.38	22.41	24

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 Pv2 BPSK	1	1	22.40	22.36	22.35	24
		1	137	22.21	22.28	22.49	24
		1	271	22.11	22.52	22.65	24
		135	0	21.66	21.74	22.04	23.5
		135	69	22.28	22.33	22.58	24
		135	138	21.74	21.96	22.23	23.5
		270	0	21.59	21.86	22.09	23.5
	DFT-s-OFDM QPSK	1	1	22.50	22.53	22.79	24
		1	137	22.42	22.37	22.65	24
		1	271	22.15	22.39	22.56	24
		135	0	21.29	21.38	21.54	23
		135	69	22.18	22.37	22.53	24
		135	138	21.20	21.47	21.61	23
		270	0	21.15	21.37	21.57	23
	DFT-s-OFDM 16QAM	1	1	21.26	21.41	21.45	23
	DFT-s-OFDM 64QAM	1	1	19.23	19.37	19.55	20.5
	DFT-s-OFDM 256QAM	1	1	17.02	17.17	17.38	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	22.36	22.11	22.48	24
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	22.42	22.13	22.52	24
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	22.40	22.11	22.61	24
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	22.47	22.21	22.49	24
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	22.47	22.21	22.59	24
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	22.49	22.13	22.58	24
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	22.38	22.22	22.49	24
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	22.35	22.18	22.52	24
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	22.41	22.25	22.49	24
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	22.37	22.22	22.57	24
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	22.46	22.19	22.59	24

Receiver on_D82

CA 5B (Ant2)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+up Power
20450	829	20549	836.9	QPSK	1	49	1	0	1	24.76	25.5
				16QAM	1	49	1	0	1	23.82	24.5
				64QAM	1	49	1	0	1	23.61	23.5
				256QAM	1	49	1	0	1	19.93	20.5
				QPSK	1	49	1	0	1	24.73	25.5
20478	831.6	20575	841.5	16QAM	1	49	1	0	1	23.93	24.5
				64QAM	1	49	1	0	1	23.44	23.5
				256QAM	1	49	1	0	1	19.82	20.5
				QPSK	1	49	1	0	1	24.62	25.5
				16QAM	1	49	1	0	1	23.91	24.5
20501	834.1	20600	844	64QAM	1	49	1	0	1	22.25	23.5
				256QAM	1	49	1	0	1	19.78	20.5
				QPSK	1	49	1	0	1	24.78	25.5
				16QAM	1	49	1	0	1	23.81	24.5
				64QAM	1	49	1	0	1	23.44	23.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+up Power
20450	829	20522	836.2	QPSK	1	49	1	0	1	24.58	25.5
				16QAM	1	49	1	0	1	23.81	24.5
				64QAM	1	49	1	0	1	22.48	23.5
				256QAM	1	49	1	0	1	19.49	20.5
				QPSK	1	49	1	0	1	24.53	25.5
20500	834	20572	841.2	16QAM	1	49	1	0	1	23.83	24.5
				64QAM	1	49	1	0	1	22.17	23.5
				256QAM	1	49	1	0	1	19.63	20.5
				QPSK	1	49	1	0	1	24.46	25.5
				16QAM	1	49	1	0	1	23.70	24.5
20550	839	20622	846.2	64QAM	1	49	1	0	1	22.13	23.5
				256QAM	1	49	1	0	1	19.54	20.5
				QPSK	1	49	1	0	1	24.58	25.5
				16QAM	1	49	1	0	1	23.74	24.5
				64QAM	1	49	1	0	1	22.13	23.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+up Power
20428	826.8	20500	834	QPSK	1	24	1	0	1	24.54	25.5
				16QAM	1	24	1	0	1	23.82	24.5
				64QAM	1	24	1	0	1	22.55	23.5
				256QAM	1	24	1	0	1	19.80	20.5
				QPSK	1	24	1	0	1	24.55	25.5
20478	831.8	20550	839	16QAM	1	24	1	0	1	23.76	24.5
				64QAM	1	24	1	0	1	22.36	23.5
				256QAM	1	24	1	0	1	19.61	20.5
				QPSK	1	24	1	0	1	24.49	25.5
				16QAM	1	24	1	0	1	23.70	24.5
20528	836.8	20600	844	64QAM	1	24	1	0	1	22.10	23.5
				256QAM	1	24	1	0	1	19.53	20.5
				QPSK	1	24	1	0	1	24.57	25.5
				16QAM	1	24	1	0	1	23.74	24.5
				64QAM	1	24	1	0	1	22.10	23.5
Combination 5MHz+3MHz (25RB+15RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+up Power
20425	826.5	20464	830.4	QPSK	1	24	1	0	1	24.48	25.5
				16QAM	1	24	1	0	1	23.67	24.5
				64QAM	1	24	1	0	1	22.57	23.5
				256QAM	1	24	1	0	1	19.42	20.5
				QPSK	1	24	1	0	1	24.41	25.5
20510	835	20549	838.9	16QAM	1	24	1	0	1	23.78	24.5
				64QAM	1	24	1	0	1	22.25	23.5
				256QAM	1	24	1	0	1	19.65	20.5
				QPSK	1	24	1	0	1	24.33	25.5
				16QAM	1	24	1	0	1	23.76	24.5
20595	843.5	20634	847.4	64QAM	1	24	1	0	1	21.94	23.5
				256QAM	1	24	1	0	1	19.46	20.5
				QPSK	1	24	1	0	1	24.45	25.5
				16QAM	1	24	1	0	1	23.68	24.5
				64QAM	1	24	1	0	1	22.04	23.5
Combination 3MHz+5MHz (15RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+up Power
20416	825.6	20455	829.5	QPSK	1	14	1	0	1	24.37	25.5
				16QAM	1	14	1	0	1	23.67	24.5
				64QAM	1	14	1	0	1	22.54	23.5
				256QAM	1	14	1	0	1	19.45	20.5
				QPSK	1	14	1	0	1	24.35	25.5
20501	834.1	20540	838	16QAM	1	14	1	0	1	23.65	24.5
				64QAM	1	14	1	0	1	22.28	23.5
				256QAM	1	14	1	0	1	19.57	20.5
				QPSK	1	14	1	0	1	24.28	25.5
				16QAM	1	14	1	0	1	23.66	24.5
20586	842.6	20625	846.5	64QAM	1	14	1	0	1	22.10	23.5
				256QAM	1	14	1	0	1	19.46	20.5
				QPSK	1	14	1	0	1	24.45	25.5
				16QAM	1	14	1	0	1	23.68	24.5
				64QAM	1	14	1	0	1	22.04	23.5

CA 66B (Ant1)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132022	1715	132121	1724.9	QPSK	1	49	1	0	1	24.13	24.5
				16QAM	1	49	1	0	1	23.34	23.5
				64QAM	1	49	1	0	1	21.69	22.5
				256QAM	1	49	1	0	1	19.17	19.5
				QPSK	1	49	1	0	1	23.91	24.5
132373	1750.1	132472	1760	16QAM	1	49	1	0	1	23.23	23.5
				64QAM	1	49	1	0	1	21.78	22.5
				256QAM	1	49	1	0	1	19.04	19.5
				QPSK	1	49	1	0	1	23.83	24.5
				16QAM	1	49	1	0	1	23.14	23.5
132523	1765.1	132622	1775	64QAM	1	49	1	0	1	21.24	23.5
				256QAM	1	49	1	0	1	21.68	22.5
				QPSK	1	49	1	0	1	23.07	23.5
				16QAM	1	49	1	0	1	23.17	23.5
				64QAM	1	49	1	0	1	21.63	22.5
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132047	1717.5	132140	1726.8	QPSK	1	74	1	0	1	23.97	24.5
				16QAM	1	74	1	0	1	23.27	23.5
				64QAM	1	74	1	0	1	21.57	22.5
				256QAM	1	74	1	0	1	19.07	19.5
				QPSK	1	74	1	0	1	23.89	24.5
132398	1752.6	132491	1761.9	16QAM	1	74	1	0	1	23.22	23.5
				64QAM	1	74	1	0	1	21.65	22.5
				256QAM	1	74	1	0	1	19.03	19.5
				QPSK	1	74	1	0	1	23.80	24.5
				16QAM	1	74	1	0	1	23.09	23.5
132549	1767.7	132642	1777	64QAM	1	74	1	0	1	21.65	22.5
				256QAM	1	74	1	0	1	19.03	19.5
				QPSK	1	74	1	0	1	23.83	24.5
				16QAM	1	74	1	0	1	23.17	23.5
				64QAM	1	74	1	0	1	21.63	22.5
Combination 5MHz+15MHz (25RB+75RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132002	1713	132095	1722.3	QPSK	1	24	1	0	1	24.01	24.5
				16QAM	1	24	1	0	1	23.21	23.5
				64QAM	1	24	1	0	1	21.59	22.5
				256QAM	1	24	1	0	1	19.02	19.5
				QPSK	1	24	1	0	1	23.82	24.5
132353	1748.1	132446	1757.4	16QAM	1	24	1	0	1	23.15	23.5
				64QAM	1	24	1	0	1	21.77	22.5
				256QAM	1	24	1	0	1	18.92	19.5
				QPSK	1	24	1	0	1	23.71	24.5
				16QAM	1	24	1	0	1	23.13	23.5
132504	1763.2	132597	1772.5	64QAM	1	24	1	0	1	21.60	22.5
				256QAM	1	24	1	0	1	18.99	19.5
				QPSK	1	24	1	0	1	23.84	24.5
				16QAM	1	24	1	0	1	23.17	23.5
				64QAM	1	24	1	0	1	21.62	22.5
132022	1715	132094	1722.2	QPSK	1	49	1	0	1	23.84	24.5
				16QAM	1	49	1	0	1	23.17	23.5
				64QAM	1	49	1	0	1	21.62	22.5
				256QAM	1	49	1	0	1	19.00	19.5
				QPSK	1	49	1	0	1	23.86	24.5
132397	1752.5	132489	1759.7	16QAM	1	49	1	0	1	23.05	23.5
				64QAM	1	49	1	0	1	21.70	22.5
				256QAM	1	49	1	0	1	18.86	19.5
				QPSK	1	49	1	0	1	23.58	24.5
				16QAM	1	49	1	0	1	22.99	23.5
132572	1770	132644	1777.2	64QAM	1	49	1	0	1	21.63	22.5
				256QAM	1	49	1	0	1	18.91	19.5
				QPSK	1	49	1	0	1	23.84	24.5
				16QAM	1	49	1	0	1	23.11	23.5
				64QAM	1	49	1	0	1	21.65	22.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132000	1712.8	132072	1720	QPSK	1	24	1	0	1	23.85	24.5
				16QAM	1	24	1	0	1	23.11	23.5
				64QAM	1	24	1	0	1	21.54	22.5
				256QAM	1	24	1	0	1	19.01	19.5
				QPSK	1	24	1	0	1	23.82	24.5
132375	1750.3	132447	1757.5	16QAM	1	24	1	0	1	23.14	23.5
				64QAM	1	24	1	0	1	21.58	22.5
				256QAM	1	24	1	0	1	18.85	19.5
				QPSK	1	24	1	0	1	23.63	24.5
				16QAM	1	24	1	0	1	23.00	23.5
132550	1767.8	132622	1775	64QAM	1	24	1	0	1	21.50	22.5
				256QAM	1	24	1	0	1	18.86	19.5
				QPSK	1	24	1	0	1	23.89	24.5
				16QAM	1	24	1	0	1	23.25	23.5
				64QAM	1	24	1	0	1	21.55	22.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
131997	1712.5	132045	1717.3	QPSK	1	24	1	0	1	23.89	24.5
				16QAM	1	24	1	0	1	23.19	23.5
				64QAM	1	24	1	0	1	21.55	22.5
				256QAM	1	24	1	0	1	18.92	19.5
				QPSK	1	24	1	0	1	23.83	24.5
132398	1777.5	132446	1782.3	16QAM	1	24	1	0	1	23.12	23.5
				64QAM	1	24	1	0	1	21.66	22.5
				256QAM	1	24	1	0	1	18.77	19.5
				QPSK	1	24	1	0	1	23.65	24.5
				16QAM	1	24	1	0	1	23.29	23.5
132598	1772.7	132647	1777.5	64QAM	1	24	1	0	1	21.63	22.5
				256QAM	1	24	1	0	1	18.88	19.5
				QPSK	1	24	1	0	1	23.89	24.5
				16QAM	1	24	1	0	1	23.25	23.5
				64QAM	1	24	1	0	1	21.63	22.5

CA_66C (Ant1)										
Combination 20MHz+20MHz (100RB+100RB)										
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		
132072	1720	132270	1739.8	QPSK	1	99	1	0	23.91	24.5
				16QAM	1	99	1	0	23.26	23.5
				64QAM	1	99	1	0	21.31	22.5
				256QAM	1	99	1	0	18.99	19.5
132323	1745.1	132521	1764.9	QPSK	1	99	1	0	24.07	24.5
				16QAM	1	99	1	0	23.07	23.5
				64QAM	1	99	1	0	21.71	22.5
				256QAM	1	99	1	0	18.99	19.5
132374	1750.2	132572	1770	QPSK	1	99	1	0	23.86	24.5
				16QAM	1	99	1	0	23.05	23.5
				64QAM	1	99	1	0	21.17	22.5
				256QAM	1	99	1	0	18.94	19.5
Combination 20MHz+15MHz (100RB+75RB)										
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		
132072	1720	132243	1737.1	QPSK	1	99	1	0	23.79	24.5
				16QAM	1	99	1	0	23.14	23.5
				64QAM	1	99	1	0	21.19	22.5
				256QAM	1	99	1	0	18.96	19.5
132346	1747.6	132519	1764.7	QPSK	1	99	1	0	23.77	24.5
				16QAM	1	99	1	0	22.98	23.5
				64QAM	1	99	1	0	21.65	22.5
				256QAM	1	99	1	0	18.96	19.5
132423	1756.1	132594	1772.2	QPSK	1	99	1	0	23.85	24.5
				16QAM	1	99	1	0	22.96	23.5
				64QAM	1	99	1	0	21.10	22.5
				256QAM	1	99	1	0	18.96	19.5
Combination 15MHz+20MHz (75RB+100RB)										
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		
132060	1717.8	132221	1734.9	QPSK	1	74	1	0	23.83	24.5
				16QAM	1	74	1	0	23.17	23.5
				64QAM	1	74	1	0	21.25	22.5
				256QAM	1	74	1	0	18.88	19.5
132325	1745.3	132496	1762.4	QPSK	1	74	1	0	23.83	24.5
				16QAM	1	74	1	0	23.02	23.5
				64QAM	1	74	1	0	21.64	22.5
				256QAM	1	74	1	0	18.90	19.5
132401	1752.9	132572	1770	QPSK	1	74	1	0	23.81	24.5
				16QAM	1	74	1	0	22.95	23.5
				64QAM	1	74	1	0	21.19	22.5
				256QAM	1	74	1	0	18.79	19.5
Combination 20MHz+10MHz (100RB+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		
132072	1720	132216	1734.4	QPSK	1	99	1	0	23.85	24.5
				16QAM	1	99	1	0	23.30	23.5
				64QAM	1	99	1	0	21.63	22.5
				256QAM	1	99	1	0	19.10	19.5
132373	1750.1	132517	1764.5	QPSK	1	99	1	0	23.79	24.5
				16QAM	1	99	1	0	23.24	23.5
				64QAM	1	99	1	0	21.69	22.5
				256QAM	1	99	1	0	19.04	19.5
132473	1760.1	132617	1774.5	QPSK	1	99	1	0	23.74	24.5
				16QAM	1	99	1	0	23.15	23.5
				64QAM	1	99	1	0	21.58	22.5
				256QAM	1	99	1	0	19.03	19.5
Combination 10MHz+20MHz (50RB+100RB)										
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		
132027	1715.5	132171	1729.9	QPSK	1	49	1	0	23.69	24.5
				16QAM	1	49	1	0	23.19	23.5
				64QAM	1	49	1	0	21.55	22.5
				256QAM	1	49	1	0	19.04	19.5
132328	1745.6	132472	1760	QPSK	1	49	1	0	23.66	24.5
				16QAM	1	49	1	0	23.09	23.5
				64QAM	1	49	1	0	21.62	22.5
				256QAM	1	49	1	0	18.91	19.5
132428	1756.6	132572	1770	QPSK	1	49	1	0	23.60	24.5
				16QAM	1	49	1	0	22.90	23.5
				64QAM	1	49	1	0	21.54	22.5
				256QAM	1	49	1	0	18.91	19.5
Combination 15MHz+15MHz (75RB+75RB)										
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		
132047	1717.5	132197	1732.5	QPSK	1	74	1	0	23.92	24.5
				16QAM	1	74	1	0	23.29	23.5
				64QAM	1	74	1	0	21.52	22.5
				256QAM	1	74	1	0	19.15	19.5
132347	1747.5	132497	1762.5	QPSK	1	74	1	0	23.65	24.5
				16QAM	1	74	1	0	23.05	23.5
				64QAM	1	74	1	0	21.56	22.5
				256QAM	1	74	1	0	18.99	19.5
132447	1757.5	132597	1772.5	QPSK	1	74	1	0	23.65	24.5
				16QAM	1	74	1	0	22.98	23.5
				64QAM	1	74	1	0	21.61	22.5
				256QAM	1	74	1	0	18.91	19.5
Combination 15MHz+10MHz (75RB+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		
132047	1717.5	132167	1729.5	QPSK	1	74	1	0	23.85	24.5
				16QAM	1	74	1	0	23.18	23.5
				64QAM	1	74	1	0	21.42	22.5
				256QAM	1	74	1	0	18.92	19.5
132373	1750.1	132493	1762.1	QPSK	1	74	1	0	23.61	24.5
				16QAM	1	74	1	0	23.00	23.5
				64QAM	1	74	1	0	21.57	22.5
				256QAM	1	74	1	0	18.96	19.5
132496	1762.7	132619	1774.7	QPSK	1	74	1	0	23.58	24.5
				16QAM	1	74	1	0	23.00	23.5
				64QAM	1	74	1	0	21.53	22.5
				256QAM	1	74	1	0	18.86	19.5
Combination 10MHz+15MHz (50RB+75RB)										
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		
132025	1715.3	132145	1727.3	QPSK	1	49	1	0	23.96	24.5
				16QAM	1	49	1	0	23.15	23.5
				64QAM	1	49	1	0	21.37	22.5
				256QAM	1	49	1	0	18.93	19.5
132351	1747.9	132471	1759.9	QPSK	1	49	1	0	23.67	24.5
				16QAM	1	49	1	0	22.97	23.5
				64QAM	1	49	1	0	21.43	22.5
				256QAM	1	49	1	0	18.94	19.5
132477	1760.5	132597	1772.5	QPSK	1	49	1	0	23.55	24.5
				16QAM	1	49	1	0	22.92	23.5
				64QAM	1	49	1	0	21.49	22.5
				256QAM	1	49	1	0	18.99	19.5
Combination 20MHz+5MHz (100RB+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		
132072	1720	132189	1731.7	QPSK	1	99	1	0	23.95	24.5
				16QAM	1	99	1	0	23.18	23.5
				64QAM	1	99	1	0	21.41	22.5
				256QAM	1	99	1	0	18.93	19.5
132397	1752.5	132514	1764.2	QPSK	1	99	1	0	23.66	24.5
				16QAM	1	99	1	0	22.99	23.5
				64QAM	1	99	1	0	21.50	22.5
				256QAM	1	99	1	0	18.91	19.5
132522	1765	132639	1776.7	QPSK	1	99	1	0	23.41	24.5
				16QAM	1	99	1	0	22.29	23.5
				64QAM	1	99	1	0	21.48	22.5
				256QAM	1	99	1	0	18.86	19.5
Combination 5MHz+20MHz (25RB+100RB)										
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		
132005	1713.3	132122	1725	QPSK	1	24	1	0	23.87	24.5
				16QAM	1	24	1	0	23.18	23.5
				64QAM	1	24	1	0	21.38	22.5
				256QAM	1	24	1	0	18.89	19.5
132330	1745.8	132447	1757.5	QPSK	1	24	1	0	23.93	24.5
				16QAM	1	24	1	0	23.05	23.5
				64QAM	1	24	1	0	21.46	22.5
				256QAM	1	24	1	0	18.85	19.5
132455	1758.3	132572	1770	QPSK	1	24	1	0	23.81	24.5
				16QAM	1	24	1	0	22.90	23.5
				64QAM	1	24	1	0	21.44	22.5
				256QAM	1	24	1	0	18.89	19.5

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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 P1/2 BPSK	1	1	21.95		23.5	
		1	137	21.69		23.5	
		1	271	21.67		23.5	
		135	0	21.89		23.5	
		135	69	21.73		23.5	
		135	138	21.76		23.5	
		270	0	21.70		23.5	
	DFT-s-OFDM QPSK	1	1	22.16		23.5	
		1	137	21.84		23.5	
		1	271	21.85		23.5	
		135	0	22.05		23.5	
		135	69	22.08		23.5	
		135	138	21.91		23.5	
		270	0	21.89		23.5	
	DFT-s-OFDM 16QAM	1	1	22.14		23.5	
	DFT-s-OFDM 64QAM	1	1	21.77		22.5	
	DFT-s-OFDM 256QAM	1	1	20.21		21	
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	22.11	22.13	22.15	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	22.06	21.99	22.08	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	21.97	22.02	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	22.00	22.10	22.13	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	21.98	22.09	22.14	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	22.09	22.03	22.06	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	22.06	22.01	22.13	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	21.99	22.12	22.04	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	22.02	22.00	22.01	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	22.07	22.06	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	21.98	22.08	22.05	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 P1/2 BPSK	1	1	21.88	22.06	22.01	23.5
		1	137	21.91	22.21	22.42	23.5
		1	271	22.00	22.28	21.69	23.5
		135	0	22.06	22.17	22.22	23.5
		135	69	21.95	22.13	22.41	23.5
		135	138	22.08	22.15	22.47	23.5
		270	0	21.98	22.21	22.42	23.5
	DFT-s-OFDM QPSK	1	1	22.26	22.26	22.57	23.5
		1	137	22.06	22.32	22.37	23.5
		1	271	22.16	22.29	22.55	23.5
		135	0	22.21	22.15	22.38	23.5
		135	69	22.24	22.39	22.46	23.5
		135	138	22.19	22.33	22.43	23.5
		270	0	22.26	22.22	22.45	23.5
	DFT-s-OFDM 16QAM	1	1	22.04	22.05	22.30	23.5
	DFT-s-OFDM 64QAM	1	1	21.75	21.66	22.06	22.5
	DFT-s-OFDM 256QAM	1	1	20.05	20.07	20.38	21
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	22.18	22.12	22.49	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	22.19	22.25	22.50	23.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	22.16	22.11	22.46	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	22.24	22.14	22.43	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	22.19	22.14	22.47	23.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	22.12	22.11	22.47	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	22.17	22.13	22.42	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	22.11	22.25	22.46	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	22.21	22.22	22.55	23.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	22.15	22.14	22.48	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	22.12	22.23	22.42	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	16.72		17.5	
		1	137	16.38		17.5	
		1	271	16.32		17.5	
		135	0	16.72		17.5	
		135	69	16.46		17.5	
		135	138	16.45		17.5	
		270	0	16.57		17.5	
	DFT-s-OFDM QPSK	1	1	16.95		17.5	
		1	137	16.55		17.5	
		1	271	16.65		17.5	
		135	0	16.79		17.5	
		135	69	16.86		17.5	
		135	138	16.64		17.5	
		270	0	16.65		17.5	
	DFT-s-OFDM 16QAM	1	1	16.73		17.5	
	DFT-s-OFDM 64QAM	1	1	16.54		17	
	DFT-s-OFDM 256QAM	1	1	15.00		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	16.92	16.94	16.90	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	16.89	16.82	16.75	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	16.81	16.90	16.84	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	16.79	16.84	16.85	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	16.77	16.84	16.80	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	16.80	16.82	16.78	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	16.89	16.80	16.77	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	16.89	16.93	16.81	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	16.81	16.87	16.85	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	16.85	16.90	16.80	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	16.77	16.89	16.85	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	16.41	16.48	16.41	17.5
		1	137	16.32	16.76	16.50	17.5
		1	271	16.48	16.10	16.69	17.5
		135	0	16.55	16.54	16.55	17.5
		135	69	16.39	16.72	16.45	17.5
		135	138	16.48	16.94	16.54	17.5
		270	0	16.46	16.86	16.66	17.5
	DFT-s-OFDM QPSK	1	1	16.67	17.07	16.82	17.5
		1	137	16.50	16.72	16.63	17.5
		1	271	16.51	16.93	16.68	17.5
		135	0	16.61	16.69	16.57	17.5
		135	69	16.65	16.89	16.72	17.5
		135	138	16.58	16.87	16.70	17.5
		270	0	16.60	16.77	16.63	17.5
	DFT-s-OFDM 16QAM	1	1	16.40	16.65	16.52	17.5
	DFT-s-OFDM 64QAM	1	1	16.14	16.41	16.09	17
	DFT-s-OFDM 256QAM	1	1	14.42	14.74	14.49	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	16.64	16.98	16.76	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	16.63	16.99	16.81	17.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	16.57	17.06	16.74	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	16.62	17.04	16.79	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	16.64	16.95	16.80	17.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	16.58	16.99	16.75	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	16.52	16.92	16.71	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	16.60	16.93	16.75	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	16.54	17.00	16.76	17.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	16.53	16.95	16.72	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	16.58	17.00	16.81	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	18.81		20.5	
		1	137	18.47		20.5	
		1	271	18.46		20.5	
		135	0	18.75		20.5	
		135	69	18.48		20.5	
		135	138	18.58		20.5	
		270	0	18.66		20.5	
	DFT-s-OFDM QPSK	1	1	19.10		20.5	
		1	137	18.60		20.5	
		1	271	18.78		20.5	
		135	0	18.89		20.5	
		135	69	18.95		20.5	
		135	138	18.74		20.5	
		270	0	18.84		20.5	
	DFT-s-OFDM 16QAM	1	1	18.74		20.5	
	DFT-s-OFDM 64QAM	1	1	18.49		19.5	
	DFT-s-OFDM 256QAM	1	1	17.03		18	
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	19.08	19.09	19.06	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	19.01	19.02	18.94	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	18.98	19.08	18.98	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	18.95	18.96	18.95	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	18.97	18.95	18.93	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	19.03	19.07	19.02	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	18.94	19.05	18.98	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	19.07	19.08	19.00	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	19.04	19.02	18.91	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	19.05	19.01	19.04	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	18.94	18.97	18.97	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	19.00	19.00	19.03	20.5
		1	137	18.87	19.35	19.14	20.5
		1	271	19.08	18.60	19.26	20.5
		135	0	19.09	19.07	19.12	20.5
		135	69	18.95	19.32	19.06	20.5
		135	138	19.08	19.53	19.01	20.5
		270	0	19.02	19.39	19.30	20.5
	DFT-s-OFDM QPSK	1	1	19.33	19.65	19.58	20.5
		1	137	19.14	19.31	19.20	20.5
		1	271	19.21	19.63	19.22	20.5
		135	0	19.21	19.32	19.19	20.5
		135	69	19.17	19.56	19.24	20.5
		135	138	19.22	19.49	19.39	20.5
		270	0	19.14	19.39	19.15	20.5
	DFT-s-OFDM 16QAM	1	1	19.01	19.30	19.04	20.5
	DFT-s-OFDM 64QAM	1	1	18.71	19.08	18.63	19.5
	DFT-s-OFDM 256QAM	1	1	16.89	17.29	17.08	18
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
90M	DFT-s-OFDM QPSK	1	1	19.22	19.57	19.49	20.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
80M	DFT-s-OFDM QPSK	1	1	19.29	19.51	19.57	20.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
70M	DFT-s-OFDM QPSK	1	1	19.18	19.52	19.54	20.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
60M	DFT-s-OFDM QPSK	1	1	19.30	19.59	19.45	20.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
50M	DFT-s-OFDM QPSK	1	1	19.29	19.55	19.48	20.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
40M	DFT-s-OFDM QPSK	1	1	19.23	19.55	19.46	20.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
30M	DFT-s-OFDM QPSK	1	1	19.25	19.60	19.46	20.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
20M	DFT-s-OFDM QPSK	1	1	19.27	19.55	19.51	20.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
15M	DFT-s-OFDM QPSK	1	1	19.27	19.50	19.56	20.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
10M	DFT-s-OFDM QPSK	1	1	19.31	19.58	19.43	20.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
5M	DFT-s-OFDM QPSK	1	1	19.24	19.55	19.57	20.5

Sensor On&Hotspot_DSI3&7

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	32.96	32.01	32.84	33.50	30.40	29.32	29.21	31.00
GPRS 1Tx Slot	32.98	32.06	32.86	33.50	30.42	29.34	29.28	31.00
GPRS 2Tx Slot	30.98	30.11	30.50	31.50	28.53	27.65	27.51	29.50
GPRS 3Tx Slot	28.97	28.12	28.79	29.50	26.54	25.47	25.42	27.00
GPRS 4Tx Slot	26.82	26.77	27.78	28.50	25.60	24.36	24.04	26.00
EDGE 1Tx Slot	27.34	26.05	27.59	28.00	26.49	25.42	25.48	27.00
EDGE 2Tx Slot	25.55	24.44	25.93	26.00	24.98	24.01	24.08	25.50
EDGE 3Tx Slot	23.12	22.53	23.57	24.00	21.73	21.77	22.53	23.00
EDGE 4Tx Slot	21.83	21.17	22.34	23.00	20.28	20.31	21.35	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	22.41	22.36	22.40	23.00	24.24	24.26	24.27	25.00
HSDPA Subtest-1	21.45	21.44	21.37	22.00	23.24	23.24	23.23	24.00
HSDPA Subtest-2	21.55	21.41	21.47	22.00	23.32	23.32	23.22	24.00
HSDPA Subtest-3	20.87	20.93	20.85	21.50	22.68	22.70	22.74	23.50
HSDPA Subtest-4	20.81	20.82	20.86	21.50	22.73	22.75	22.64	23.50
DC-HSDPA Subtest-1	21.44	21.37	21.38	22.00	23.25	23.25	23.16	24.00
DC-HSDPA Subtest-2	21.37	21.32	21.38	22.00	23.17	23.33	23.17	24.00
DC-HSDPA Subtest-3	20.81	20.86	20.82	21.50	22.62	22.64	22.64	23.50
DC-HSDPA Subtest-4	20.76	20.73	20.85	21.50	22.60	22.50	22.62	23.50
HSUPA Subtest-1	21.54	21.52	21.54	22.00	23.28	23.22	23.21	24.00
HSUPA Subtest-2	20.92	20.99	20.83	21.50	22.68	22.75	22.74	23.50
HSUPA Subtest-3	21.44	21.31	21.48	22.00	23.17	23.24	23.17	24.00
HSUPA Subtest-4	21.35	21.37	21.43	22.00	23.26	23.33	23.20	24.00
HSUPA Subtest-5	21.33	21.38	21.29	22.00	23.25	23.27	23.26	24.00

Sensor OnkHotspot_DSSSD7

LTE Band 2 (Aur1)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Timestep (dBm)	Max. Timestep (dBm)	Max. Timestep (dBm)	
20M	QPSK	Channel		1980	1980	1980	1980	1980	1980	1980
		Frequency (MHz)		1980	1980	1980	1980	1980	1980	
		1		0	22.13	22.18	22.08	23	23	
		2		1	22.18	22.18	22.18	23	23	
		3		1	22.18	22.18	22.09	23	23	
		4		50	21.81	21.80	21.87	23	23	
		5		50	21.81	21.80	21.87	23	23	
		6		50	21.81	21.84	21.03	22	22	
		7		50	20.25	21.04	20.00	22	22	
		8		50	21.81	21.84	21.03	22	22	
10M	QPSK	Channel		1980	1980	1980	1980	1980	1980	
		Frequency (MHz)		1980	1980	1980	1980	1980	1980	
		1		0	22.13	21.94	21.51	22	22	
		2		1	22.18	21.94	21.51	22	22	
		3		1	22.18	21.94	21.51	22	22	
		4		50	21.81	21.80	21.87	23	23	
		5		50	21.81	21.80	21.87	23	23	
		6		50	21.81	21.84	21.03	22	22	
		7		50	20.25	21.04	20.00	22	22	
		8		50	21.81	21.84	21.03	22	22	
5M	QPSK	Channel		1980	1980	1980	1980	1980	1980	
		Frequency (MHz)		1980	1980	1980	1980	1980	1980	
		1		0	22.13	22.07	22.01	23	23	
		2		1	22.18	22.07	22.01	23	23	
		3		1	22.18	22.07	22.01	23	23	
		4		74	21.88	21.87	21.95	23	23	
		5		74	21.88	21.80	21.84	22	22	
		6		74	21.18	20.94	21.95	23	23	
		7		39	21.08	21.04	20.92	22	22	
		8		39	21.08	21.04	20.92	22	22	
2.5M	QPSK	Channel		1980	1980	1980	1980	1980	1980	
		Frequency (MHz)		1980	1980	1980	1980	1980	1980	
		1		0	22.13	21.95	21.53	22	22	
		2		1	22.18	21.95	21.53	22	22	
		3		1	22.18	21.95	21.53	22	22	
		4		74	21.88	21.87	21.95	23	23	
		5		74	21.88	21.80	21.84	22	22	
		6		74	21.18	20.94	21.95	23	23	
		7		39	21.08	21.04	20.92	22	22	
		8		39	21.08	21.04	20.92	22	22	
1.25M	QPSK	Channel		1980	1980	1980	1980	1980	1980	
		Frequency (MHz)		1980	1980	1980	1980	1980	1980	
		1		0	22.13	21.95	21.53	22	22	
		2		1	22.18	21.95	21.53	22	22	
		3		1	22.18	21.95	21.53	22	22	
		4		74	21.88	21.87	21.95	23	23	
		5		74	21.88	21.80	21.84	22	22	
		6		74	21.18	20.94	21.95	23	23	
		7		39	21.08	21.04	20.92	22	22	
		8		39	21.08	21.04	20.92	22	22	
0.625M	QPSK	Channel		1980	1980	1980	1980	1980	1980	
		Frequency (MHz)		1980	1980	1980	1980	1980	1980	
		1		0	22.13	21.95	21.53	22	22	
		2		1	22.18	21.95	21.53	22	22	
		3		1	22.18	21.95	21.53	22	22	
		4		74	21.88	21.87	21.95	23	23	
		5		74	21.88	21.80	21.84	22	22	
		6		74	21.18	20.94	21.95	23	23	
		7		39	21.08	21.04	20.92	22	22	
		8		39	21.08	21.04	20.92	22	22	
0.3125M	QPSK	Channel		1980	1980	1980	1980	1980	1980	
		Frequency (MHz)		1980	1980	1980	1980	1980	1980	
		1		0	22.13	21.95	21.53	22	22	
		2		1	22.18	21.95	21.53	22	22	
		3		1	22.18	21.95	21.53	22	22	
		4		74	21.88	21.87	21.95	23	23	
		5		74	21.88	21.80	21.84	22	22	
		6		74	21.18	20.94	21.95	23	23	
		7		39	21.08	21.04	20.92	22	22	
		8		39	21.08	21.04	20.92	22	22	
0.15625M	QPSK	Channel		1980	1980	1980	1980	1980	1980	
		Frequency (MHz)		1980	1980	1980	1980	1980	1980	
		1		0	22.13	21.95	21.53	22	22	
		2		1	22.18	21.95	21.53	22	22	
		3		1	22.18	21.95	21.53	22	22	
		4		74	21.88	21.87	21.95	23	23	
		5		74	21.88	21.80	21.84	22	22	
		6		74	21.18	20.94	21.95	23	23	
		7		39	21.08	21.04	20.92	22	22	
		8		39	21.08	21.04	20.92	22	22	
0.078125M	QPSK	Channel		1980	1980	1980	1980	1980	1980	
		Frequency (MHz)		1980	1980	1980	1980	1980	1980	
		1		0	22.13	21.95	21.53	22	22	
		2		1	22.18	21.95	21.53	22	22	
		3		1	22.18	21.95	21.53	22	22	
		4		74	21.88	21.87	21.95	23	23	
		5		74	21.88	21.80	21.84	22	22	
		6		74	21.18	20.94	21.95	23	23	
		7		39	21.08	21.04	20.92	22	22	
		8		39	21.08	21.04	20.92	22	22	

LTE Band 4 (Aur1)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Timestep (dBm)	Max. Timestep (dBm)	Max. Timestep (dBm)	
20M	QPSK	Channel		2080	2080	2080	Max. Timestep (dBm)	Max. Timestep (dBm)	Max. Timestep (dBm)	
		Frequency (MHz)		2080	2080	2080				
		1		0	21.69	21.69				
		2		1	21.69	21.69				
		3		1	21.69	21.69				
		4		1	21.69	21.69				
		5		1	21.69	21.69				
		6		1	21.69	21.69				
		7		1	21.69	21.69				
		8		1	21.69	21.69				
10M	QPSK	Channel		2080	2080	2080	Max. Timestep (dBm)	Max. Timestep (dBm)	Max. Timestep (dBm)	
		Frequency (MHz)		2080	2080	2080				
		1		0	21.69	21.69				
		2		1	21.69	21.69				
		3		1	21.69	21.69				
		4		1	21.69	21.69				
		5		1	21.69	21.69				
		6		1	21.69	21.69				
		7		1	21.69	21.69				
		8		1	21.69	21.69				
5M	QPSK	Channel		2080	2080	2080	Max. Timestep (dBm)	Max. Timestep (dBm)	Max. Timestep (dBm)	
		Frequency (MHz)		2080	2080	2080				
		1		0	21.69	21.69				
		2		1	21.69	21.69				
		3		1	21.69	21.69				
		4		1	21.69	21.69				
		5		1	21.69	21.69				
		6		1	21.69	21.69				
		7		1	21.69	21.69				
		8		1	21.69	21.69				

LTE Band 5 (Aur1)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Timestep (dBm)	Max. Timestep (dBm)	Max. Timestep (dBm)	
20M	QPSK	Channel		2180	2180	2180	Max. Timestep (dBm)	Max. Timestep (dBm)	Max. Timestep (dBm)	
		Frequency (MHz)		2180	2180	2180				
		1		0	21.86	21.86				
		2		1	21.86	21.86				
		3		1	21.86	21.86				
		4		1	21.86	21.86				
		5		1	21.86	21.86				
		6		1	21.86	21.86				
		7		1	21.86	21.86				
		8		1	21.86	21.86				
10M	QPSK	Channel		2180	2180	2180	Max. Timestep (dBm)	Max. Timestep (dBm)	Max. Timestep (dBm)	
		Frequency (MHz)		2180	2180	2180				
		1		0	21.86	21.86				
		2		1	21.86	21.86				
		3		1	21.86	21.86				
		4		1	21.86	21.86				
		5		1	21.86	21.86				
		6		1	21.86	21.86				
		7		1	21.86	21.86				
		8		1	21.86	21.86				
5M	QPSK	Channel		2180	2180	2180	Max. Timestep (dBm)	Max. Timestep (dBm)	Max. Timestep (dBm)	
		Frequency (MHz)		2180	2180	2180				
		1		0	21.86	21.86				
		2		1	21.86	21.86				
		3		1	21.86	21.86				
		4		1	21.86	21.86				
		5		1	21.86	21.86				
		6		1	21.86	21.86				
		7		1	21.86	21.86				
		8		1	21.86	21.86				

LTE Band 5 (Aur1)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Timestep (dBm)	Max. Timestep (dBm)	Max. Timestep (dBm)	
20M	QPSK	Channel		2280	2280	2280	Max. Timestep (dBm)	Max. Timestep (dBm)	Max. Timestep (dBm)	
		Frequency (MHz)		2280	2280	2280				
		1		0	22.86	22.86				
		2		1	22.86	22.86				
		3		1	22.86	22.86				
		4		1	22.86	22.86				
		5		1	22.86	22.86				
		6		1	22.86	22.86				
		7		1	22.86	22.86				
		8		1	22.86	22.86				
10M	QPSK	Channel		2280	2280	2280	Max. Timestep (dBm)	Max. Timestep (dBm)	Max. Timestep (dBm)	
		Frequency (MHz)		2280	2280	2280				
		1		0	22.86	22.86				
		2								

LTE Band 12 (Aar2)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (MHz)	Channel	Max. Time-up (MHz)
		Frequency (MHz)	784	789.5	791	793.5	25.5		
10M	QPSK	1	0	24.08	24.08	24.08	25.5		
		1	24	24.12	24.11	24.08	25.5		
		1	49	24.15	23.97	23.99	25.5		
		25	0	23.11	23.10	23.07	24.5		
		25	24	23.15	23.14	23.11	24.5		
		25	25	23.15	23.11	23.14	24.5		
	16QAM	1	0	23.18	23.18	23.18	24.5		
		1	24	23.18	23.11	23.18	24.5		
		1	49	23.27	23.26	23.21	24.5		
		25	0	22.22	22.18	22.11	23.5		
		25	24	22.15	22.16	22.11	23.5		
		25	25	22.15	22.16	22.11	23.5		
10M	QPSK	1	0	22.22	22.21	22.19	23.5		
		1	24	22.21	22.22	22.21	23.5		
		1	49	22.22	22.18	22.21	23.5		
		25	0	21.12	21.12	21.08	22.5		
		25	24	21.12	21.19	21.19	22.5		
		25	25	21.18	21.13	21.21	22.5		
	16QAM	1	0	21.14	21.15	21.18	22.5		
		1	24	21.15	21.19	21.22	22.5		
		1	49	21.21	21.21	21.27	22.5		
		25	0	20.24	20.24	20.21	21.5		
		25	24	20.24	20.23	20.21	21.5		
		25	25	20.24	20.23	20.21	21.5		
10M	QPSK	1	0	20.24	20.24	20.21	21.5		
		1	24	20.24	20.23	20.21	21.5		
		1	49	20.24	20.24	20.21	21.5		
		25	0	19.24	19.24	19.21	20.5		
		25	24	19.24	19.23	19.21	20.5		
		25	25	19.24	19.23	19.21	20.5		
10M	QPSK	1	0	19.24	19.24	19.21	20.5		
		1	24	19.24	19.23	19.21	20.5		
		1	49	19.24	19.24	19.21	20.5		
		25	0	18.24	18.24	18.21	19.5		
		25	24	18.24	18.23	18.21	19.5		
		25	25	18.24	18.23	18.21	19.5		
10M	QPSK	1	0	18.24	18.24	18.21	19.5		
		1	24	18.24	18.23	18.21	19.5		
		1	49	18.24	18.24	18.21	19.5		
		25	0	17.24	17.24	17.21	18.5		
		25	24	17.24	17.23	17.21	18.5		
		25	25	17.24	17.23	17.21	18.5		
10M	QPSK	1	0	17.24	17.24	17.21	18.5		
		1	24	17.24	17.23	17.21	18.5		
		1	49	17.24	17.24	17.21	18.5		
		25	0	16.24	16.24	16.21	17.5		
		25	24	16.24	16.23	16.21	17.5		
		25	25	16.24	16.23	16.21	17.5		
10M	QPSK	1	0	16.24	16.24	16.21	17.5		
		1	24	16.24	16.23	16.21	17.5		
		1	49	16.24	16.24	16.21	17.5		
		25	0	15.24	15.24	15.21	16.5		
		25	24	15.24	15.23	15.21	16.5		
		25	25	15.24	15.23	15.21	16.5		
10M	QPSK	1	0	15.24	15.24	15.21	16.5		
		1	24	15.24	15.23	15.21	16.5		
		1	49	15.24	15.24	15.21	16.5		
		25	0	14.24	14.24	14.21	15.5		
		25	24	14.24	14.23	14.21	15.5		
		25	25	14.24	14.23	14.21	15.5		
10M	QPSK	1	0	14.24	14.24	14.21	15.5		
		1	24	14.24	14.23	14.21	15.5		
		1	49	14.24	14.24	14.21	15.5		
		25	0	13.24	13.24	13.21	14.5		
		25	24	13.24	13.23	13.21	14.5		
		25	25	13.24	13.23	13.21	14.5		
10M	QPSK	1	0	13.24	13.24	13.21	14.5		
		1	24	13.24	13.23	13.21	14.5		
		1	49	13.24	13.24	13.21	14.5		
		25	0	12.24	12.24	12.21	13.5		
		25	24	12.24	12.23	12.21	13.5		
		25	25	12.24	12.23	12.21	13.5		
10M	QPSK	1	0	12.24	12.24	12.21	13.5		
		1	24	12.24	12.23	12.21	13.5		
		1	49	12.24	12.24	12.21	13.5		
		25	0	11.24	11.24	11.21	12.5		
		25	24	11.24	11.23	11.21	12.5		
		25	25	11.24	11.23	11.21	12.5		
10M	QPSK	1	0	11.24	11.24	11.21	12.5		
		1	24	11.24	11.23	11.21	12.5		
		1	49	11.24	11.24	11.21	12.5		
		25	0	10.24	10.24	10.21	11.5		
		25	24	10.24	10.23	10.21	11.5		
		25	25	10.24	10.23	10.21	11.5		
10M	QPSK	1	0	10.24	10.24	10.21	11.5		
		1	24	10.24	10.23	10.21	11.5		
		1	49	10.24	10.24	10.21	11.5		
		25	0	9.24	9.24	9.21	10.5		
		25	24	9.24	9.23	9.21	10.5		
		25	25	9.24	9.23	9.21	10.5		
10M	QPSK	1	0	9.24	9.24	9.21	10.5		
		1	24	9.24	9.23	9.21	10.5		
		1	49	9.24	9.24	9.21	10.5		
		25	0	8.24	8.24	8.21	9.5		
		25	24	8.24	8.23	8.21	9.5		
		25	25	8.24	8.23	8.21	9.5		
10M	QPSK	1	0	8.24	8.24	8.21	9.5		
		1	24	8.24	8.23	8.21	9.5		
		1	49	8.24	8.24	8.21	9.5		
		25	0	7.24	7.24	7.21	8.5		
		25	24	7.24	7.23	7.21	8.5		
		25	25	7.24	7.23	7.21	8.5		
10M	QPSK	1	0	7.24	7.24	7.21	8.5		
		1	24	7.24	7.23	7.21	8.5		
		1	49	7.24	7.24	7.21	8.5		
		25	0	6.24	6.24	6.21	7.5		
		25	24	6.24	6.23	6.21	7.5		
		25	25	6.24	6.23	6.21	7.5		
10M	QPSK	1	0	6.24	6.24	6.21	7.5		
		1	24	6.24	6.23	6.21	7.5		
		1	49	6.24	6.24	6.21	7.5		
		25	0	5.24	5.24	5.21	6.5		
		25	24	5.24	5.23	5.21	6.5		
		25	25	5.24	5.23	5.21	6.5		
10M	QPSK	1	0	5.24	5.24	5.21	6.5		
		1	24	5.24	5.23	5.21	6.5		
		1	49	5.24	5.24	5.21	6.5		
		25	0	4.24	4.24	4.21	5.5		
		25	24	4.24	4.23	4.21	5.5		
		25	25	4.24	4.23	4.21	5.5		
10M	QPSK	1	0	4.24	4.24	4.21	5.5		
		1	24	4.24	4.23	4.21	5.5		
		1	49	4.24	4.24	4.21	5.5		
		25	0	3.24	3.24	3.21	4.5		
		25	24	3.24	3.23	3.21	4.5		
		25	25	3.24	3.23	3.21	4.5		
10M	QPSK	1	0	3.24	3.24	3.21	4.5		
		1	24	3.24	3.23	3.21	4.5		
		1	49	3.24	3.24	3.21	4.5		
		25	0	2.24	2.24	2.21	3.5		
		25	24	2.24	2.23	2.21	3.5		
		25	25	2.24	2.23	2.21	3.5		
10M	QPSK	1	0	2.24	2.24	2.21	3.5		
		1	24	2.24	2.23	2.21	3.5		
		1	49	2.24	2.24	2.21	3.5		
		25	0	1.24	1.24	1.21	2.5		
		25	24	1.24	1.23	1.21	2.5		
		25	25	1.24	1.23	1.21	2.5		
10M	QPSK	1	0	1.24	1.24	1.21	2.5		
		1	24	1.24	1.23	1.21	2.5		
		1	49	1.24	1.24	1.21	2.5		
		25	0	0.24	0.24	0.21	1.5		
		25	24	0.24	0.23	0.21	1.5		
		25							

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Channel	372000	376000	380000
				Frequency (MHz)	1860	1880	1900
						Max. Tune-up (dBm)	
20M	DFT-s-OFDM P/V2 BPSK	1	1	20.86	20.90	20.97	22
		1	53	20.78	20.85	20.80	22
		1	104	20.86	20.86	20.71	22
		50	0	20.98	21.01	20.94	22
		50	28	20.90	20.94	20.99	22
		50	56	20.97	20.97	20.88	22
	DFT-s-OFDM QPSK	100	0	20.96	20.84	20.96	22
		1	1	20.99	21.02	21.01	22
		1	53	20.83	20.90	20.90	22
		1	104	20.77	20.91	20.86	22
		50	0	20.41	20.47	20.43	21
		50	28	20.85	20.93	20.90	22
	DFT-s-OFDM 16QAM	50	56	20.47	20.48	20.41	21
		100	0	20.59	20.60	20.53	21
		1	1	19.48	20.45	20.52	21
		1	1	19.02	19.19	18.54	20
		1	1	16.97	16.46	16.35	18
		1	1	16.97	16.46	16.35	18
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
15M	DFT-s-OFDM QPSK	Frequency (MHz)		1857.5	1880	1902.5	22
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
10M	DFT-s-OFDM QPSK	Frequency (MHz)		1855	1880	1905	22
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
5M	DFT-s-OFDM QPSK	Frequency (MHz)		1852.5	1880	1907.5	22

n5 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Size	RB Offset	Channel	166800	167300	167800
				Frequency (MHz)	834	836.5	839
						Max. Tune-up (dBm)	
20M	DFT-s-OFDM P/V2 BPSK	1	1	23.26	23.27	23.25	24.5
		1	53	23.23	23.35	23.29	24.5
		1	104	23.28	23.29	23.21	24.5
		50	0	23.35	23.40	23.36	24.5
		50	28	23.30	23.44	23.37	24.5
		50	56	23.37	23.42	23.45	24.5
	DFT-s-OFDM QPSK	100	0	23.32	23.47	23.39	24.5
		1	1	23.42	23.48	23.38	24.5
		1	53	23.32	23.33	23.32	24.5
		1	104	23.41	23.44	23.36	24.5
		50	0	23.37	23.45	23.33	24.5
		50	28	23.41	23.47	23.39	24.5
	DFT-s-OFDM 16QAM	50	56	23.32	23.39	23.38	24.5
		100	0	23.42	23.46	23.43	24.5
		1	1	23.46	23.44	23.45	24.5
		1	1	21.38	21.49	21.50	22.5
		1	1	19.32	19.41	19.34	20.5
		1	1	19.32	19.41	19.34	20.5
BW	MCS Index	Channel		166300	167300	168300	Max. Tune-up
15M	DFT-s-OFDM QPSK	Frequency (MHz)		831.5	836.5	841.5	24.5
BW	MCS Index	Channel		165800	167300	168800	Max. Tune-up
10M	DFT-s-OFDM QPSK	Frequency (MHz)		829	836.5	844	24.5
BW	MCS Index	Channel		165300	167300	169300	Max. Tune-up
5M	DFT-s-OFDM QPSK	Frequency (MHz)		826.5	836.5	846.5	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/V2 BPSK	1	1	21.17	21.30	21.32	22
		1	108	21.24	21.13	21.26	22
		1	214	21.30	21.19	21.34	22
		108	0	20.53	20.64	20.57	21.5
		108	54	21.15	21.14	21.35	22
		108	108	20.56	20.53	20.29	21.5
		216	0	20.50	20.56	20.38	21.5
		1	1	21.32	21.37	21.35	22
	DFT-s-OFDM QPSK	1	108	21.21	21.26	21.23	22
		1	214	21.24	21.30	21.11	22
		108	0	20.59	20.57	20.56	21.5
		108	54	21.09	21.24	21.12	22
		108	108	20.41	20.51	20.44	21.5
		216	0	20.41	20.57	20.50	21.5
	DFT-s-OFDM 16QAM	1	1	20.67	20.68	20.63	21.5
	DFT-s-OFDM 64QAM	1	1	18.56	18.55	18.60	19.5
	DFT-s-OFDM 256QAM	1	1	16.36	16.35	16.25	17.5
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	21.22	21.29	21.17	22
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	21.21	21.28	21.11	22
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	21.20	21.33	21.15	22
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	21.15	21.26	21.05	22
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	21.20	21.24	21.12	22
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	21.28	21.34	21.14	22

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		17.54		19
		1	137		17.17		19
		1	271		17.33		19
		135	0		17.44		19
		135	69		17.33		19
		135	138		17.34		19
		270	0		17.34		19
		1	1		17.74		19
	DFT-s-OFDM QPSK	1	137		17.45		19
		1	271		17.46		19
		135	0		17.61		19
		135	69		17.62		19
		135	138		17.38		19
		270	0		17.55		19
	DFT-s-OFDM 16QAM	1	1		17.69		19
	DFT-s-OFDM 64QAM	1	1		17.37		18
	DFT-s-OFDM 256QAM	1	1		15.78		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	17.67	17.73	17.38	19
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	17.60	17.60	17.39	19
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	17.71	17.60	17.35	19
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	17.70	17.73	17.37	19
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	17.67	17.64	17.36	19
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	17.68	17.62	17.36	19
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	17.59	17.65	17.41	19
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	17.70	17.69	17.38	19
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	17.58	17.64	17.29	19
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	17.70	17.62	17.37	19
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	17.60	17.66	17.40	19

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	17.14	17.30	17.24	19
		1	137	17.18	17.38	17.51	19
		1	271	17.28	17.47	17.06	19
		135	0	17.24	17.24	17.46	19
		135	69	17.14	17.43	17.70	19
		135	138	17.24	17.40	17.63	19
		270	0	17.18	17.34	17.65	19
	DFT-s-OFDM QPSK	1	1	17.49	17.66	17.75	19
		1	137	17.26	17.45	17.65	19
		1	271	17.44	17.56	17.72	19
		135	0	17.42	17.41	17.52	19
		135	69	17.45	17.60	17.65	19
		135	138	17.31	17.53	17.61	19
		270	0	17.35	17.43	17.63	19
	DFT-s-OFDM 16QAM	1	1	17.21	17.25	17.56	19
	DFT-s-OFDM 64QAM	1	1	17.00	16.84	17.34	18
	DFT-s-OFDM 256QAM	1	1	15.22	15.19	15.52	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	17.38	17.30	17.57	19
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	17.39	17.24	17.49	19
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	17.40	17.20	17.57	19
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	17.31	17.26	17.49	19
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	17.42	17.28	17.52	19
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	17.40	17.29	17.55	19
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	17.31	17.25	17.56	19
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	17.31	17.21	17.44	19
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	17.37	17.33	17.45	19
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	17.43	17.24	17.54	19
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	17.31	17.23	17.49	19

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		20.35		22
		1	137		20.31		22
		1	271		20.34		22
		135	0		19.94		21.5
		135	69		20.29		22
		135	138		19.79		21.5
		270	0		19.83		21.5
	DFT-s-OFDM QPSK	1	1		20.45		22
		1	137		20.33		22
		1	271		20.27		22
		135	0		19.36		21
		135	69		20.37		22
		135	138		19.36		21
		270	0		19.33		21
	DFT-s-OFDM 16QAM	1	1		19.57		21
	DFT-s-OFDM 64QAM	1	1		17.80		18.5
	DFT-s-OFDM 256QAM	1	1		15.48		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	20.36	20.42	20.29	22
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	20.34	20.42	20.42	22
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	20.38	20.38	20.32	22
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	20.24	20.39	20.32	22
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	20.34	20.38	20.30	22
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	20.37	20.44	20.41	22
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	20.28	20.37	20.35	22
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	20.33	20.40	20.42	22
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	20.32	20.41	20.29	22
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	20.36	20.42	20.32	22
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	20.36	20.38	20.41	22

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 Pv2 BPSK	1	1	20.40	20.36	20.35	22
		1	137	20.21	20.28	20.49	22
		1	271	20.11	20.52	20.65	22
		135	0	19.66	19.74	20.04	21.5
		135	69	20.28	20.33	20.58	22
		135	138	19.74	19.96	20.23	21.5
		270	0	19.59	19.86	20.09	21.5
	DFT-s-OFDM QPSK	1	1	20.50	20.53	20.79	22
		1	137	20.42	20.37	20.65	22
		1	271	20.15	20.39	20.56	22
		135	0	19.29	19.38	19.54	21
		135	69	20.18	20.37	20.53	22
		135	138	19.20	19.47	19.61	21
		270	0	19.15	19.37	19.57	21
	DFT-s-OFDM 16QAM	1	1	19.26	19.41	19.45	21
	DFT-s-OFDM 64QAM	1	1	17.23	17.37	17.55	18.5
	DFT-s-OFDM 256QAM	1	1	15.02	15.17	15.38	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	20.36	20.11	20.48	22
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	20.42	20.13	20.52	22
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	20.40	20.11	20.61	22
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	20.47	20.21	20.49	22
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	20.47	20.21	20.59	22
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	20.49	20.13	20.58	22
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	20.38	20.22	20.49	22
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	20.35	20.18	20.52	22
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	20.41	20.25	20.49	22
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	20.37	20.22	20.57	22
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	20.46	20.19	20.59	22

CA_5B (Ant2)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+up Power
20450	829	20549		QPSK	1	49	1	0	1	24.76	25.5
				16QAM	1	49	1	0	1	23.92	24.5
				64QAM	1	49	1	0	1	23.61	23.5
				256QAM	1	49	1	0	1	19.73	20.5
				QPSK	1	49	1	0	1	24.73	25.5
20478	831.6	20575	841.5	16QAM	1	49	1	0	1	23.93	24.5
				64QAM	1	49	1	0	1	23.44	23.5
				256QAM	1	49	1	0	1	19.82	20.5
				QPSK	1	49	1	0	1	24.62	25.5
				16QAM	1	49	1	0	1	23.91	24.5
20501	834.1	20600	844	64QAM	1	49	1	0	1	23.25	23.5
				256QAM	1	49	1	0	1	19.78	20.5
				QPSK	1	49	1	0	1		
				16QAM	1	49	1	0	1		
				64QAM	1	49	1	0	1		
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+up Power
20450	829	20522	836.2	QPSK	1	49	1	0	1	24.58	25.5
				16QAM	1	49	1	0	1	23.81	24.5
				64QAM	1	49	1	0	1	22.48	23.5
				256QAM	1	49	1	0	1	19.49	20.5
				QPSK	1	49	1	0	1	24.53	25.5
20500	834	20572	841.2	16QAM	1	49	1	0	1	23.83	24.5
				64QAM	1	49	1	0	1	23.17	23.5
				256QAM	1	49	1	0	1	19.63	20.5
				QPSK	1	49	1	0	1	24.46	25.5
				16QAM	1	49	1	0	1	23.70	24.5
20550	839	20622	846.2	64QAM	1	49	1	0	1	22.13	23.5
				256QAM	1	49	1	0	1	19.54	20.5
				QPSK	1	49	1	0	1		
				16QAM	1	49	1	0	1		
				64QAM	1	49	1	0	1		
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+up Power
20428	826.8	20500	834	QPSK	1	24	1	0	1	24.54	25.5
				16QAM	1	24	1	0	1	23.82	24.5
				64QAM	1	24	1	0	1	22.55	23.5
				256QAM	1	24	1	0	1	19.90	20.5
				QPSK	1	24	1	0	1	24.55	25.5
20478	831.8	20550	839	16QAM	1	24	1	0	1	23.76	24.5
				64QAM	1	24	1	0	1	23.28	23.5
				256QAM	1	24	1	0	1	19.61	20.5
				QPSK	1	24	1	0	1	24.49	25.5
				16QAM	1	24	1	0	1	23.70	24.5
20528	836.8	20600	844	64QAM	1	24	1	0	1	22.10	23.5
				256QAM	1	24	1	0	1	19.53	20.5
				QPSK	1	24	1	0	1		
				16QAM	1	24	1	0	1		
				64QAM	1	24	1	0	1		
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+up Power
20425	826.5	20464	830.4	QPSK	1	24	1	0	1	24.48	25.5
				16QAM	1	24	1	0	1	23.57	24.5
				64QAM	1	24	1	0	1	22.92	23.5
				256QAM	1	24	1	0	1	19.42	20.5
				QPSK	1	24	1	0	1	24.41	25.5
20510	835	20549	838.9	16QAM	1	24	1	0	1	23.78	24.5
				64QAM	1	24	1	0	1	22.25	23.5
				256QAM	1	24	1	0	1	19.75	20.5
				QPSK	1	24	1	0	1	24.33	25.5
				16QAM	1	24	1	0	1	23.76	24.5
20595	843.5	20634	847.4	64QAM	1	24	1	0	1	23.46	24.5
				256QAM	1	24	1	0	1	19.46	20.5
				QPSK	1	24	1	0	1		
				16QAM	1	24	1	0	1		
				64QAM	1	24	1	0	1		
Combination 3MHz+5MHz (15RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+up Power
20416	825.6	20455	829.5	QPSK	1	14	1	0	1	24.37	25.5
				16QAM	1	14	1	0	1	23.67	24.5
				64QAM	1	14	1	0	1	22.94	23.5
				256QAM	1	14	1	0	1	19.45	20.5
				QPSK	1	14	1	0	1	24.35	25.5
20501	834.1	20540	838	16QAM	1	14	1	0	1	23.65	24.5
				64QAM	1	14	1	0	1	22.28	23.5
				256QAM	1	14	1	0	1	19.57	20.5
				QPSK	1	14	1	0	1	24.28	25.5
				16QAM	1	14	1	0	1	23.66	24.5
20586	842.6	20625	846.5	64QAM	1	14	1	0	1	22.10	23.5
				256QAM	1	14	1	0	1	19.46	20.5
				QPSK	1	14	1	0	1		
				16QAM	1	14	1	0	1		
				64QAM	1	14	1	0	1		

CA_64B (Ant1)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tune-up Power
132022	1715	132121	1724.9	QPSK	1	49	1	0	1	22.22	22.5
				16QAM	1	49	1	0	1	21.41	21.5
				64QAM	1	49	1	0	1	19.84	20.5
				256QAM	1	49	1	0	1	17.18	17.5
				QPSK	1	49	1	0	1	21.94	22.5
132373	1750.1	132472	1760	16QAM	1	49	1	0	1	21.34	21.5
				64QAM	1	49	1	0	1	19.86	20.5
				256QAM	1	49	1	0	1	17.18	17.5
				QPSK	1	49	1	0	1	21.92	22.5
				16QAM	1	49	1	0	1	21.23	21.5
132523	1765.1	132622	1775	64QAM	1	49	1	0	1	19.80	20.5
				256QAM	1	49	1	0	1	17.13	17.5
				QPSK	1	49	1	0	1	21.23	21.5
				16QAM	1	49	1	0	1	21.23	21.5
				64QAM	1	49	1	0	1	19.80	20.5
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tune-up Power
132047	1717.5	132140	1726.8	QPSK	1	74	1	0	1	22.12	22.5
				16QAM	1	74	1	0	1	21.40	21.5
				64QAM	1	74	1	0	1	19.72	20.5
				256QAM	1	74	1	0	1	17.14	17.5
				QPSK	1	74	1	0	1	21.95	22.5
132396	1752.6	132491	1761.9	16QAM	1	74	1	0	1	21.37	21.5
				64QAM	1	74	1	0	1	19.77	20.5
				256QAM	1	74	1	0	1	17.11	17.5
				QPSK	1	74	1	0	1	21.85	22.5
				16QAM	1	74	1	0	1	21.16	21.5
132549	1767.7	132642	1777	64QAM	1	74	1	0	1	19.68	20.5
				256QAM	1	74	1	0	1	17.07	17.5
				QPSK	1	74	1	0	1	21.85	22.5
				16QAM	1	74	1	0	1	21.16	21.5
				64QAM	1	74	1	0	1	19.68	20.5
Combination 5MHz+15MHz (25RB+75RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tune-up Power
132002	1713	132095	1722.3	QPSK	1	24	1	0	1	22.07	22.5
				16QAM	1	24	1	0	1	21.24	21.5
				64QAM	1	24	1	0	1	19.63	20.5
				256QAM	1	24	1	0	1	17.07	17.5
				QPSK	1	24	1	0	1	21.92	22.5
132353	1748.1	132446	1757.4	16QAM	1	24	1	0	1	21.21	21.5
				64QAM	1	24	1	0	1	19.65	20.5
				256QAM	1	24	1	0	1	17.07	17.5
				QPSK	1	24	1	0	1	21.79	22.5
				16QAM	1	24	1	0	1	21.15	21.5
132504	1763.2	132597	1772.5	64QAM	1	24	1	0	1	19.66	20.5
				256QAM	1	24	1	0	1	17.01	17.5
				QPSK	1	24	1	0	1	21.85	22.5
				16QAM	1	24	1	0	1	21.15	21.5
				64QAM	1	24	1	0	1	19.66	20.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tune-up Power
132022	1715	132094	1722.2	QPSK	1	49	1	0	1	21.96	22.5
				16QAM	1	49	1	0	1	21.25	21.5
				64QAM	1	49	1	0	1	19.70	20.5
				256QAM	1	49	1	0	1	17.12	17.5
				QPSK	1	49	1	0	1	21.89	22.5
132397	1752.5	132469	1759.7	16QAM	1	49	1	0	1	21.17	21.5
				64QAM	1	49	1	0	1	19.81	20.5
				256QAM	1	49	1	0	1	16.88	17.5
				QPSK	1	49	1	0	1	21.57	22.5
				16QAM	1	49	1	0	1	21.13	21.5
132572	1770	132644	1777.2	64QAM	1	49	1	0	1	19.75	20.5
				256QAM	1	49	1	0	1	17.06	17.5
				QPSK	1	49	1	0	1	21.85	22.5
				16QAM	1	49	1	0	1	21.13	21.5
				64QAM	1	49	1	0	1	19.75	20.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tune-up Power
132000	1712.8	132072	1720	QPSK	1	24	1	0	1	21.94	22.5
				16QAM	1	24	1	0	1	21.23	21.5
				64QAM	1	24	1	0	1	19.56	20.5
				256QAM	1	24	1	0	1	17.13	17.5
				QPSK	1	24	1	0	1	21.83	22.5
132375	1750.3	132447	1757.5	16QAM	1	24	1	0	1	21.28	21.5
				64QAM	1	24	1	0	1	19.73	20.5
				256QAM	1	24	1	0	1	16.95	17.5
				QPSK	1	24	1	0	1	21.70	22.5
				16QAM	1	24	1	0	1	21.09	21.5
132550	1767.8	132622	1775	64QAM	1	24	1	0	1	19.62	20.5
				256QAM	1	24	1	0	1	16.96	17.5
				QPSK	1	24	1	0	1	21.85	22.5
				16QAM	1	24	1	0	1	21.09	21.5
				64QAM	1	24	1	0	1	19.62	20.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tune-up Power
131997	1712.5	132045	1713.7	QPSK	1	24	1	0	1	21.96	22.5
				16QAM	1	24	1	0	1	21.24	21.5
				64QAM	1	24	1	0	1	19.64	20.5
				256QAM	1	24	1	0	1	16.99	17.5
				QPSK	1	24	1	0	1	21.88	22.5
132398	1777.5	132446	1782.3	16QAM	1	24	1	0	1	21.23	21.5
				64QAM	1	24	1	0	1	19.78	20.5
				256QAM	1	24	1	0	1	16.80	17.5
				QPSK	1	24	1	0	1	21.60	22.5
				16QAM	1	24	1	0	1	20.99	21.5
132599	1772.7	132647	1777.5	64QAM	1	24	1	0	1	19.67	20.5
				256QAM	1	24	1	0	1	16.92	17.5
				QPSK	1	24	1	0	1	21.85	22.5
				16QAM	1	24	1	0	1	21.09	21.5
				64QAM	1	24	1	0	1	19.67	20.5

CA 66C (Ant1)										
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 (dBm)	Max. Time-up Power
132072	1720	132270	1739.8	QPSK	1	99	1	0	22.00	22.5
				16QAM	1	99	1	0	21.31	21.5
				64QAM	1	99	1	0	19.43	20.5
				256QAM	1	99	1	0	17.12	17.5
				QPSK	1	99	1	0	22.09	22.5
132323	1745.1	132521	1764.9	16QAM	1	99	1	0	21.15	21.5
				64QAM	1	99	1	0	19.87	20.5
				256QAM	1	99	1	0	17.03	17.5
				QPSK	1	99	1	0	21.99	22.5
				16QAM	1	99	1	0	21.20	21.5
132374	1750.2	132572	1770	64QAM	1	99	1	0	19.23	20.5
				256QAM	1	99	1	0	17.02	17.5
				QPSK	1	99	1	0	21.87	22.5
Combination 20MHz+15MHz (100RB+75RB)										
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. Time-up Power
132072	1720	132243	1737.1	16QAM	1	99	1	0	21.21	21.5
				64QAM	1	99	1	0	19.32	20.5
				256QAM	1	99	1	0	17.11	17.5
				QPSK	1	99	1	0	21.90	22.5
				16QAM	1	99	1	0	21.02	21.5
132346	1747.6	132519	1764.7	64QAM	1	99	1	0	19.72	20.5
				256QAM	1	99	1	0	17.06	17.5
				QPSK	1	99	1	0	21.99	22.5
				16QAM	1	99	1	0	20.98	21.5
				64QAM	1	99	1	0	19.15	20.5
132423	1755.1	132594	1772.2	256QAM	1	99	1	0	16.95	17.5
				QPSK	1	74	1	0	21.94	22.5
				16QAM	1	74	1	0	21.24	21.5
Combination 15MHz+20MHz (75RB+100RB)										
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. Time-up Power
132050	1717.8	132221	1734.9	64QAM	1	74	1	0	19.34	20.5
				256QAM	1	74	1	0	16.96	17.5
				QPSK	1	74	1	0	21.93	22.5
				16QAM	1	74	1	0	21.16	21.5
				64QAM	1	74	1	0	19.70	20.5
132325	1745.3	132496	1762.4	256QAM	1	74	1	0	17.03	17.5
				QPSK	1	74	1	0	21.84	22.5
				16QAM	1	74	1	0	21.08	21.5
				64QAM	1	74	1	0	19.27	20.5
				256QAM	1	74	1	0	16.82	17.5
132401	1752.9	132572	1770	QPSK	1	99	1	0	21.93	22.5
				16QAM	1	99	1	0	21.42	21.5
				64QAM	1	99	1	0	19.72	20.5
				256QAM	1	99	1	0	17.19	17.5
				QPSK	1	99	1	0	21.88	22.5
132373	1750.1	132517	1764.5	16QAM	1	99	1	0	21.30	21.5
				64QAM	1	99	1	0	19.76	20.5
				256QAM	1	99	1	0	17.13	17.5
				QPSK	1	99	1	0	21.81	22.5
				16QAM	1	99	1	0	21.18	21.5
132473	1760.1	132617	1774.5	64QAM	1	99	1	0	19.64	20.5
				256QAM	1	99	1	0	17.10	17.5
				QPSK	1	49	1	0	21.94	22.5
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 (dBm)	Max. Time-up Power
132027	1715.5	132171	1729.9	16QAM	1	49	1	0	21.34	21.5
				64QAM	1	49	1	0	19.64	20.5
				256QAM	1	49	1	0	17.15	17.5
				QPSK	1	49	1	0	21.76	22.5
				16QAM	1	49	1	0	21.25	21.5
132328	1745.6	132472	1760	64QAM	1	49	1	0	19.76	20.5
				256QAM	1	49	1	0	17.04	17.5
				QPSK	1	49	1	0	21.67	22.5
				16QAM	1	49	1	0	21.01	21.5
				64QAM	1	49	1	0	19.95	20.5
132428	1755.6	132572	1770	256QAM	1	49	1	0	17.05	17.5
				QPSK	1	74	1	0	22.00	22.5
				16QAM	1	74	1	0	21.39	21.5
Combination 15MHz+15MHz (75RB+75RB)										
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. Time-up Power
132047	1717.5	132197	1732.5	QPSK	1	74	1	0	22.00	22.5
				16QAM	1	74	1	0	21.39	21.5
				64QAM	1	74	1	0	19.56	20.5
				256QAM	1	74	1	0	17.25	17.5
				QPSK	1	74	1	0	21.79	22.5
132347	1747.5	132497	1762.5	16QAM	1	74	1	0	21.17	21.5
				64QAM	1	74	1	0	19.66	20.5
				256QAM	1	74	1	0	17.14	17.5
				QPSK	1	74	1	0	21.72	22.5
				16QAM	1	74	1	0	21.13	21.5
132447	1757.5	132597	1772.5	64QAM	1	74	1	0	19.76	20.5
				256QAM	1	74	1	0	16.99	17.5
				QPSK	1	74	1	0	21.93	22.5
Combination 15MHz+10MHz (75RB+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. Time-up Power
132047	1717.5	132167	1729.5	QPSK	1	74	1	0	21.93	22.5
				16QAM	1	74	1	0	21.25	21.5
				64QAM	1	74	1	0	19.53	20.5
				256QAM	1	74	1	0	17.00	17.5
				QPSK	1	74	1	0	21.71	22.5
132373	1750.1	132493	1762.1	16QAM	1	74	1	0	21.12	21.5
				64QAM	1	74	1	0	19.67	20.5
				256QAM	1	74	1	0	17.02	17.5
				QPSK	1	74	1	0	21.70	22.5
				16QAM	1	74	1	0	21.02	21.5
132499	1762.7	132619	1774.7	64QAM	1	74	1	0	19.55	20.5
				256QAM	1	74	1	0	17.02	17.5
				QPSK	1	49	1	0	22.11	22.5
Combination 10MHz+15MHz (50RB+75RB)										
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. Time-up Power
132025	1715.3	132145	1727.3	16QAM	1	49	1	0	21.10	21.5
				64QAM	1	49	1	0	19.45	20.5
				256QAM	1	49	1	0	17.01	17.5
				QPSK	1	49	1	0	21.66	22.5
				16QAM	1	49	1	0	21.08	21.5
132351	1747.9	132471	1759.9	64QAM	1	49	1	0	19.54	20.5
				256QAM	1	49	1	0	17.04	17.5
				QPSK	1	49	1	0	21.57	22.5
				16QAM	1	49	1	0	20.95	21.5
				64QAM	1	49	1	0	19.65	20.5
132477	1760.5	132597	1772.5	256QAM	1	49	1	0	17.11	17.5
				QPSK	1	99	1	0	22.11	22.5
				16QAM	1	99	1	0	21.32	21.5
Combination 20MHz+5MHz (100RB+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. Time-up Power
132072	1720	132189	1731.7	16QAM	1	99	1	0	22.11	22.5

Sensor On&Hotspot_DSI3&7

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	21.95		23.5	
		1	137	21.69		23.5	
		1	271	21.67		23.5	
		135	0	21.89		23.5	
		135	69	21.73		23.5	
		135	138	21.76		23.5	
		270	0	21.70		23.5	
	DFT-s-OFDM QPSK	1	1	22.16		23.5	
		1	137	21.84		23.5	
		1	271	21.85		23.5	
		135	0	22.05		23.5	
		135	69	22.08		23.5	
		135	138	21.91		23.5	
		270	0	21.89		23.5	
	DFT-s-OFDM 16QAM	1	1	22.14		23.5	
	DFT-s-OFDM 64QAM	1	1	21.77		22.5	
	DFT-s-OFDM 256QAM	1	1	20.21		21	
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	22.11	22.13	22.15	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	22.06	21.99	22.08	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	21.97	22.02	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	22.00	22.10	22.13	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	21.98	22.09	22.14	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	22.09	22.03	22.06	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	22.06	22.01	22.13	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	21.99	22.12	22.04	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	22.02	22.00	22.01	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	22.07	22.06	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	21.98	22.08	22.05	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	21.88	22.06	22.01	23.5
		1	137	21.91	22.21	22.42	23.5
		1	271	22.00	22.28	21.69	23.5
		135	0	22.06	22.17	22.22	23.5
		135	69	21.95	22.13	22.41	23.5
		135	138	22.08	22.15	22.47	23.5
		270	0	21.98	22.21	22.42	23.5
	DFT-s-OFDM QPSK	1	1	22.26	22.26	22.57	23.5
		1	137	22.06	22.32	22.37	23.5
		1	271	22.16	22.29	22.55	23.5
		135	0	22.21	22.15	22.38	23.5
		135	69	22.24	22.39	22.46	23.5
		135	138	22.19	22.33	22.43	23.5
		270	0	22.26	22.22	22.45	23.5
	DFT-s-OFDM 16QAM	1	1	22.04	22.05	22.30	23.5
	DFT-s-OFDM 64QAM	1	1	21.75	21.66	22.06	22.5
	DFT-s-OFDM 256QAM	1	1	20.05	20.07	20.38	21
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	22.18	22.12	22.49	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	22.19	22.25	22.50	23.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	22.16	22.11	22.46	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	22.24	22.14	22.43	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	22.19	22.14	22.47	23.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	22.12	22.11	22.47	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	22.17	22.13	22.42	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	22.11	22.25	22.46	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	22.21	22.22	22.55	23.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	22.15	22.14	22.48	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	22.12	22.23	22.42	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 Pi/2 BPSK	1	1	20.55		21.5	
		1	137	20.29		21.5	
		1	271	20.25		21.5	
		135	0	20.56		21.5	
		135	69	20.29		21.5	
		135	138	20.33		21.5	
		270	0	20.40		21.5	
	DFT-s-OFDM QPSK	1	1	20.83		21.5	
		1	137	20.44		21.5	
		1	271	20.53		21.5	
		135	0	20.65		21.5	
		135	69	20.69		21.5	
		135	138	20.50		21.5	
		270	0	20.56		21.5	
	DFT-s-OFDM 16QAM	1	1	20.59		21.5	
	DFT-s-OFDM 64QAM	1	1	20.41		21	
	DFT-s-OFDM 256QAM	1	1	18.82		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	20.77	20.80	20.82	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	20.66	20.66	20.75	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	20.74	20.69	20.74	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	20.70	20.79	20.77	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	20.62	20.75	20.79	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	20.63	20.65	20.80	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	20.76	20.65	20.73	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	20.72	20.74	20.81	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	20.62	20.66	20.72	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	20.66	20.71	20.78	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	20.67	20.75	20.80	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	20.21	20.30	20.26	21.5
		1	137	20.20	20.64	20.41	21.5
		1	271	20.32	19.92	20.60	21.5
		135	0	20.39	20.42	20.36	21.5
		135	69	20.23	20.61	20.32	21.5
		135	138	20.39	20.80	20.36	21.5
		270	0	20.31	20.68	20.52	21.5
	DFT-s-OFDM QPSK	1	1	20.55	20.90	20.67	21.5
		1	137	20.39	20.61	20.51	21.5
		1	271	20.45	20.86	20.54	21.5
		135	0	20.54	20.60	20.47	21.5
		135	69	20.48	20.77	20.59	21.5
		135	138	20.44	20.75	20.60	21.5
		270	0	20.47	20.64	20.50	21.5
	DFT-s-OFDM 16QAM	1	1	20.26	20.54	20.33	21.5
	DFT-s-OFDM 64QAM	1	1	20.02	20.32	19.94	21
	DFT-s-OFDM 256QAM	1	1	18.24	18.59	18.33	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	20.47	20.79	20.66	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	20.43	20.89	20.60	21.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	20.40	20.81	20.66	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	20.45	20.87	20.54	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	20.54	20.76	20.60	21.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	20.42	20.82	20.65	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	20.53	20.86	20.56	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	20.53	20.77	20.65	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	20.40	20.87	20.65	21.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	20.45	20.75	20.53	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	20.49	20.82	20.55	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	18.81		20.5	
		1	137	18.47		20.5	
		1	271	18.46		20.5	
		135	0	18.75		20.5	
		135	69	18.48		20.5	
		135	138	18.58		20.5	
		270	0	18.66		20.5	
	DFT-s-OFDM QPSK	1	1	19.10		20.5	
		1	137	18.60		20.5	
		1	271	18.78		20.5	
		135	0	18.89		20.5	
		135	69	18.95		20.5	
		135	138	18.74		20.5	
		270	0	18.84		20.5	
	DFT-s-OFDM 16QAM	1	1	18.74		20.5	
	DFT-s-OFDM 64QAM	1	1	18.49		19.5	
	DFT-s-OFDM 256QAM	1	1	17.03		18	
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	19.08	19.09	19.06	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	19.01	19.02	18.94	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	18.98	19.08	18.98	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	18.95	18.96	18.95	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	18.97	18.95	18.93	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	19.03	19.07	19.02	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	18.94	19.05	18.98	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	19.07	19.08	19.00	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	19.04	19.02	18.91	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	19.05	19.01	19.04	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	18.94	18.97	18.97	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	19.00	19.00	19.03	20.5
		1	137	18.87	19.35	19.14	20.5
		1	271	19.08	18.60	19.26	20.5
		135	0	19.09	19.07	19.12	20.5
		135	69	18.95	19.32	19.06	20.5
		135	138	19.08	19.53	19.01	20.5
		270	0	19.02	19.39	19.30	20.5
	DFT-s-OFDM QPSK	1	1	19.33	19.65	19.58	20.5
		1	137	19.14	19.31	19.20	20.5
		1	271	19.21	19.63	19.22	20.5
		135	0	19.21	19.32	19.19	20.5
		135	69	19.17	19.56	19.24	20.5
		135	138	19.22	19.49	19.39	20.5
		270	0	19.14	19.39	19.15	20.5
	DFT-s-OFDM 16QAM	1	1	19.01	19.30	19.04	20.5
	DFT-s-OFDM 64QAM	1	1	18.71	19.08	18.63	19.5
	DFT-s-OFDM 256QAM	1	1	16.89	17.29	17.08	18
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	19.22	19.57	19.49	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	19.29	19.51	19.57	20.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	19.18	19.52	19.54	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	19.30	19.59	19.45	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	19.29	19.55	19.48	20.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	19.23	19.55	19.46	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	19.25	19.60	19.46	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	19.27	19.55	19.51	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	19.27	19.50	19.56	20.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	19.31	19.58	19.43	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	19.24	19.55	19.57	20.5

Receiver on_D82_ENOC

LTE Band 2 (Ann1)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tx Power (dBm)	RB Size	RB Offset
		Channel	1920	1980	2040	2100			
CPSC	QPSK	1	0	23.51	23.55	23.62	24.5	1	0
		1	50	23.50	23.51	23.41	24.5	1	50
		1	90	23.42	23.43	23.39	24.5	1	90
		50	0	22.45	22.40	22.41	23.5	50	0
		50	50	22.46	22.46	22.46	23.5	50	50
		50	90	22.48	22.49	22.47	23.5	50	90
		100	0	22.41	22.42	22.40	23.5	100	0
		100	50	22.44	22.44	22.44	23.5	100	50
		1	90	22.74	22.75	22.61	23.5	1	90
		1	90	22.71	22.63	22.65	23.5	1	90
H2QAM	16QAM	1	0	21.41	21.43	21.48	22.5	1	0
		50	25	21.47	21.43	21.42	22.5	50	25
		50	50	21.45	21.54	21.44	22.5	50	50
		100	0	21.55	21.57	21.58	22.5	100	0
		1	0	21.54	21.52	21.55	22.5	1	0
		1	50	21.52	21.55	21.42	22.5	1	50
		1	90	21.48	21.71	21.60	22.5	1	90
		50	0	20.44	20.49	20.48	21.5	50	0
		50	50	20.47	20.54	20.51	21.5	50	50
		100	0	20.46	20.48	20.48	21.5	100	0
E2QAM	64QAM	1	0	18.46	18.50	18.46	19.5	1	0
		1	90	18.58	18.44	18.47	19.5	1	90
		50	25	18.53	18.51	18.51	19.5	50	25
		50	50	18.52	18.45	18.42	19.5	50	50
		100	0	18.54	18.46	18.43	19.5	100	0
		100	50	18.57	18.55	18.55	19.5	100	50
CPSC	QPSK	1	0	23.38	23.42	23.42	24.5	1	0
		1	50	23.36	23.43	23.12	24.5	1	50
		1	74	23.32	23.19	23.31	24.5	1	74
		25	0	22.28	22.27	22.28	23.5	25	0
		38	19	22.28	22.28	22.17	23.5	38	19
		38	38	22.42	22.25	22.30	23.5	38	38
		75	0	22.34	22.22	22.41	23.5	75	0
		1	0	22.42	22.62	22.42	23.5	1	0
		1	50	22.67	22.55	22.41	23.5	1	50
		25	74	22.44	22.45	22.52	23.5	25	74
H2QAM	16QAM	1	0	21.22	21.18	21.25	22.5	1	0
		25	0	21.41	21.33	21.32	22.5	25	0
		38	38	21.25	21.44	21.20	22.5	38	38
		75	0	21.32	21.21	21.30	22.5	75	0
		1	0	21.46	21.45	21.45	22.5	1	0
		1	50	21.45	21.51	21.32	22.5	1	50
		1	74	21.34	21.57	21.28	22.5	1	74
		25	0	20.25	20.20	20.20	21.5	25	0
		38	19	20.44	20.34	20.20	21.5	38	19
		38	38	20.40	20.35	20.21	21.5	38	38
E2QAM	64QAM	1	0	18.36	18.35	18.32	19.5	1	0
		1	50	18.37	18.34	18.34	19.5	1	50
		1	74	18.52	18.35	18.41	19.5	1	74
		38	0	18.36	18.34	18.33	19.5	38	0
		38	38	18.46	18.41	18.40	19.5	38	38
		38	75	18.52	18.33	18.41	19.5	38	75
		75	0	18.48	18.38	18.47	19.5	75	0
CPSC	QPSK	1	0	23.38	23.42	23.42	24.5	1	0
		1	50	23.36	23.43	23.12	24.5	1	50
		1	74	23.32	23.19	23.31	24.5	1	74
		25	0	22.28	22.27	22.28	23.5	25	0
		38	19	22.28	22.28	22.17	23.5	38	19
		38	38	22.42	22.25	22.30	23.5	38	38
		75	0	22.34	22.22	22.41	23.5	75	0
		1	0	22.42	22.62	22.42	23.5	1	0
		1	50	22.67	22.55	22.41	23.5	1	50
		25	74	22.44	22.45	22.52	23.5	25	74
H2QAM	16QAM	1	0	21.22	21.18	21.25	22.5	1	0
		25	0	21.41	21.33	21.32	22.5	25	0
		38	38	21.25	21.44	21.20	22.5	38	38
		75	0	21.32	21.21	21.30	22.5	75	0
		1	0	21.46	21.45	21.45	22.5	1	0
		1	50	21.45	21.51	21.32	22.5	1	50
		1	74	21.34	21.57	21.28	22.5	1	74
		25	0	20.25	20.20	20.20	21.5	25	0
		38	19	20.44	20.34	20.20	21.5	38	19
		38	38	20.40	20.35	20.21	21.5	38	38
E2QAM	64QAM	1	0	18.36	18.35	18.32	19.5	1	0
		1	50	18.37	18.34	18.34	19.5	1	50
		1	74	18.52	18.35	18.41	19.5	1	74
		38	0	18.36	18.34	18.33	19.5	38	0
		38	38	18.46	18.41	18.40	19.5	38	38
		38	75	18.52	18.33	18.41	19.5	38	75
		75	0	18.48	18.38	18.47	19.5	75	0
CPSC	QPSK	1	0	23.38	23.42	23.42	24.5	1	0
		1	50	23.36	23.43	23.12	24.5	1	50
		1	74	23.32	23.19	23.31	24.5	1	74
		25	0	22.28	22.27	22.28	23.5	25	0
		38	19	22.28	22.28	22.17	23.5	38	19
		38	38	22.42	22.25	22.30	23.5	38	38
		75	0	22.34	22.22	22.41	23.5	75	0
		1	0	22.42	22.62	22.42	23.5	1	0
		1	50	22.67	22.55	22.41	23.5	1	50
		25	74	22.44	22.45	22.52	23.5	25	74
H2QAM	16QAM	1	0	21.22	21.18	21.25	22.5	1	0
		25	0	21.41	21.33	21.32	22.5	25	0
		38	38	21.25	21.44	21.20	22.5	38	38
		75	0	21.32	21.21	21.30	22.5	75	0
		1	0	21.46	21.45	21.45	22.5	1	0
		1	50	21.45	21.51	21.32	22.5	1	50
		1	74	21.34	21.57	21.28	22.5	1	74
		25	0	20.25	20.20	20.20	21.5	25	0
		38	19	20.44	20.34	20.20	21.5	38	19
		38	38	20.40	20.35	20.21	21.5	38	38
E2QAM	64QAM	1	0	18.36	18.35	18.32	19.5	1	0
		1	50	18.37	18.34	18.34	19.5	1	50
		1	74	18.52	18.35	18.41	19.5	1	74
		38	0	18.36	18.34	18.33	19.5	38	0
		38	38	18.46	18.41	18.40	19.5	38	38
		38	75	18.52	18.33	18.41	19.5	38	75
		75	0	18.48	18.38	18.47	19.5	75	0
CPSC	QPSK	1	0	23.38	23.42	23.42	24.5	1	0
		1	50	23.36	23.43	23.12	24.5	1	50
		1	74	23.32	23.19	23.31	24.5	1	74
		25	0	22.28	22.27	22.28	23.5	25	0
		38	19	22.28	22.28	22.17	23.5	38	19
		38	38	22.42	22.25	22.30	23.5	38	38
		75	0	22.34	22.22	22.41	23.5	75	0
		1	0	22.42	22.62	22.42	23.5	1	0
		1	50	22.67	22.55	22.41	23.5	1	50
		25	74	22.44	22.45	22.52	23.5	25	74
H2QAM	16QAM	1	0	21.22	21.18	21.25	22.5	1	0
		25	0	21.41	21.33	21.32	22.5	25	0
		38	38	21.25	21.44	21.20	22.5	38	38
		75	0	21.32	21.21	21.30	22.5	75	0
		1	0	21.46	21.45	21.45	22.5	1	0
		1	50	21.45	21.51	21.32	22.5	1	50
		1	74	21.34	21.57	21.28	22.5	1	74
		25	0	20.25	20.20	20.20	21.5	25	0
		38	19	20.44	20.34	20.20	21.5	38	19
		38	38	20.40	20.35	20.21	21.5	38	38
E2QAM	64QAM	1	0	18.36	18.35	18.32	19.5	1	0
		1	50	18.37	18.34	18.34	19.5	1	50
		1	74	18.52	18.35	18.41	19.5	1	74
		38	0	18.36	18.34	18.33	19.5	38	0
		38	38	18.46	18.41	18.40	19.5	38	38
		38	75	18.52	18.33	18.41	19.5	38	75
		75	0	18.48	18.38	18.47	19.5	75	0
CPSC	QPSK	1	0	23.38	23.42	23.42	24.5	1	0
		1	50	23.36	23.43	23.12	24.5	1	50
		1	74	23.32	23				

LTE Band 4 (Aster)									
BW	Modulation	Channel	9.6 MS	19.2 MS	Low	Mid	High	Max	
		Frequency (MHz)	2015	2015	2015	2015	2015	Temp	
100M	QPSK	1	0	20.22	20.17	20.17	20.27	21.5	
		1	50	20.17	20.15	20.15	20.23	21.5	
		1	50	20.23	20.15	20.15	20.23	21.5	
		50	0	19.25	19.25	19.25	19.27	20.5	
		50	25	19.20	19.25	19.15	19.15	20.5	
		50	25	19.15	19.20	19.15	19.15	20.5	
		100	0	18.91	19.06	18.99	19.05	20.5	
		1	0	19.20	19.04	19.15	19.25	20.5	
		50	11.3	18.91	18.91	18.99	19.05	20.5	
		1	50	18.91	18.97	18.99	18.86	20.5	
20M	QPSK	50	0	18.14	18.12	18.22	18.15	19.5	
		50	17	18.14	18.09	18.12	18.22	19.5	
		50	50	18.27	18.13	18.22	18.23	19.5	
		100	0	17.99	18.02	18.03	18.05	19.5	
		1	0	18.06	18.06	18.06	18.06	19.5	
		1	50	18.06	18.43	18.23	18.23	19.5	
		50	17	18.06	18.06	18.06	18.05	19.5	
		50	17	18.06	18.06	18.06	18.05	19.5	
		50	25	17.15	17.18	17.18	17.18	18.5	
		100	0	17.17	17.12	17.12	17.12	18.5	
40M	QPSK	1	0	15.27	15.36	15.36	15.45	16.5	
		50	25	15.26	15.25	15.24	15.24	16.5	
		1	50	15.15	15.15	15.21	15.15	16.5	
		50	0	15.15	15.23	15.14	15.18	16.5	
		50	25	15.26	15.25	15.24	15.24	16.5	
		50	50	15.26	15.26	15.30	15.28	16.5	
		100	0	15.33	15.28	15.27	15.28	16.5	
		1	0	15.34	15.34	15.33	15.33	16.5	
		1	50	15.34	15.34	15.33	15.33	16.5	
		1	50	15.34	15.34	15.33	15.33	16.5	
15M	QPSK	Frequency (MHz)	170.12	170.15	170.15	170.17	170.17	Temp	
		1	0	20.08	20.08	20.08	20.23	21.5	
		1	0	20.08	20.08	20.08	20.23	21.5	
		1	74	20.05	19.94	19.97	20.05	21.5	
		36	0	19.23	19.22	19.19	19.19	20.5	
		36	19	19.40	19.39	19.39	19.39	20.5	
		36	35	19.37	19.23	19.11	19.11	20.5	
		75	0	18.93	18.94	18.97	18.97	20.5	
		75	0	18.93	18.93	18.97	18.97	20.5	
		1	37	18.12	18.06	18.08	18.08	20.5	
100M	QPSK	1	74	18.91	18.84	18.97	18.97	20.5	
		36	0	18.12	18.02	18.02	18.02	20.5	
		36	19	17.87	17.78	17.80	17.80	20.5</	

LTE Band 8 (Anz)									
BW	Modulation	Channel		2017	2020	2025	2030	2035	Max. Time-up (hrs)
		RR Size	RR Offset	Low	Mid	High	Max	Max	
10M	QPSK	1	0	23.96	23.91	23.94	25.5	25.5	
		1	24	23.83	23.93	23.99	25.5	25.5	
		4	0	23.93	23.99	23.91	25.5	25.5	
		4	24	23.87	23.96	23.95	24.5	24.5	
		5	0	23.92	23.92	23.95	24.5	24.5	
	16QAM	1	0	23.88	23.95	23.93	24.5	24.5	
		1	24	23.97	23.93	23.95	24.5	24.5	
		4	0	23.98	23.92	23.93	23.5	23.5	
		5	0	23.96	23.92	23.92	23.5	23.5	
		5	24	23.95	23.92	23.92	23.5	23.5	
20M	QPSK	1	0	23.91	23.92	23.91	25.5	25.5	
		1	48	23.92	23.92	23.97	25.5	25.5	
		4	0	23.93	23.97	23.96	25.5	25.5	
		4	24	23.91	23.97	23.96	25.5	25.5	
		5	0	23.93	23.97	23.96	25.5	25.5	
	16QAM	1	0	23.89	23.91	23.91	25.5	25.5	
		1	24	23.91	23.91	23.91	25.5	25.5	
		4	0	23.92	23.91	23.91	25.5	25.5	
		5	0	23.91	23.91	23.91	25.5	25.5	
		5	24	23.91	23.91	23.91	25.5	25.5	
30M	QPSK	1	0	23.88	23.93	23.97	25.5	25.5	
		1	12	23.88	23.93	23.95	25.5	25.5	
		4	0	23.93	23.93	23.93	24.5	24.5	
		4	12	23.94	23.91	23.93	24.5	24.5	
		5	0	23.94	23.91	23.93	24.5	24.5	
	16QAM	1	0	23.89	23.92	23.91	24.5	24.5	
		1	24	23.91	23.92	23.91	24.5	24.5	
		4	0	23.92	23.91	23.91	24.5	24.5	
		5	0	23.91	23.91	23.91	24.5	24.5	
		5	24	23.91	23.91	23.91	24.5	24.5	
40M	QPSK	1	0	23.87	23.91	23.95	25.5	25.5	
		1	24	23.87	23.90	23.95	25.5	25.5	
		4	0	23.91	23.91	23.91	25.5	25.5	
		4	24	23.91	23.91	23.91	25.5	25.5	
		5	0	23.91	23.91	23.91	25.5	25.5	
	16QAM	1	0	23.88	23.92	23.92	25.5	25.5	
		1	24	23.91	23.91	23.91	25.5	25.5	
		4	0	23.92	23.91	23.91	25.5	25.5	
		5	0	23.91	23.91	23.91	25.5	25.5	
		5	24	23.91	23.91	23.91	25.5	25.5	
50M	QPSK	1	0	23.86	23.90	23.94	25.5	25.5	
		1	24	23.87	23.90	23.94	25.5	25.5	
		4	0	23.90	23.90	23.90	25.5	25.5	
		4	24	23.90	23.90	23.90	25.5	25.5	
		5	0	23.90	23.90	23.90	25.5	25.5	
	16QAM	1	0	23.87	23.91	23.93	25.5	25.5	
		1	24	23.88	23.92	23.94	25.5	25.5	
		4	0	23.91	23.91	23.91	25.5	25.5	
		5	0	23.90	23.90	23.90	25.5	25.5	
		5	24	23.90	23.90	23.90	25.5	25.5	
60M	QPSK	1	0	23.85	23.89	23.93	25.5	25.5	
		1	24	23.86	23.89	23.93	25.5	25.5	
		4	0	23.89	23.89	23.89	25.5	25.5	
		4	24	23.89	23.89	23.89	25.5	25.5	
		5	0	23.89	23.89	23.89	25.5	25.5	
	16QAM	1	0	23.86	23.90	23.92	25.5	25.5	
		1	24	23.87	23.90	23.92	25.5	25.5	
		4	0	23.90	23.90	23.90	25.5	25.5	
		5	0	23.89	23.89	23.89	25.5	25.5	
		5	24	23.89	23.89	23.89	25.5	25.5	

LTE Band 12 (An2)									
BW	Modulation	Channel	PR	SR Offset	Low	Mid	High	Max. Time-avg. Power	
			Frequency (MHz)	Power (dBm)	2300	2305	2310		
5M	QPSK	1	0	24.00	24.08	24.09	25.0		
		1	24	24.12	24.11	24.09	25.0		
		25	0	24.07	24.11	24.11	25.0		
		25	0	24.11	23.10	23.07	24.0		
		25	25	25.11	25.11	25.14	26.0		
	16QAM	50	0	24.19	24.19	24.19	24.0		
		50	24.38	24.38	24.38	24.0			
		1	24	23.98	23.11	23.08	24.0		
		49	23.97	23.20	23.21	24.0			
		25	25	25.11	25.11	25.11	25.0		
10M	QPSK	25	12	22.17	22.22	22.20	23.0		
		25	25	25.16	25.16	25.16	25.0		
		25	0	25.16	24.18	24.11	25.0		
		25	25	25.16	25.16	25.16	25.0		
		1	0	22.22	22.21	22.18	23.0		
	16QAM	25	1	49	22.22	22.16	22.21	23.0	
		25	0	21.12	21.12	21.08	22.0		
		25	25	25.22	25.19	25.19	25.0		
		25	20	21.16	21.13	21.21	22.0		
		50	0	21.14	21.10	21.10	22.0		
20M	QPSK	50	0	21.14	21.14	21.14	21.0		
		1	24	22.21	22.31	22.21	23.0		
		25	12	22.26	22.27	22.27	23.0		
		25	12	22.26	22.27	22.27	23.0		
		25	0	22.26	22.27	22.27	23.0		
	16QAM	25	12	22.26	22.27	22.27	23.0		
		25	0	22.26	22.27	22.27	23.0		
		25	12	22.26	22.27	22.27	23.0		
		25	12	22.26	22.27	22.27	23.0		
		25	0	22.26	22.27	22.27	23.0		
30M	QPSK	50	0	22.26	22.27	22.27	23.0		
		1	24	23.31	23.31	23.31	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
	16QAM	12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
40M	QPSK	12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
	16QAM	12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
50M	QPSK	12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
	16QAM	12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
60M	QPSK	12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
	16QAM	12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		
		12	0	23.30	23.31	23.30	24.0		

Receiver on _DSI2_ENDC

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Channel	372000	376000	380000
				Frequency (MHz)	1860	1880	1900
							Max. Tune-up (dBm)
20M	DFT-s-OFDM P/2 BPSK	1	1	23.33	23.30	23.33	24.5
		1	53	23.24	23.33	23.24	24.5
		1	104	23.23	23.29	23.12	24.5
		50	0	23.36	23.35	23.34	24.5
		50	28	23.35	23.30	23.38	24.5
		50	56	23.38	23.33	23.32	24.5
	DFT-s-OFDM QPSK	100	0	23.37	23.31	23.37	24.5
		1	1	23.38	23.39	23.37	24.5
		1	53	23.26	23.37	23.36	24.5
		1	104	23.25	23.29	23.28	24.5
		50	0	22.82	22.92	22.84	23.5
		50	28	23.33	23.37	23.36	24.5
	DFT-s-OFDM 16QAM	50	56	22.91	22.92	22.84	23.5
		100	0	22.93	22.95	22.90	23.5
		1	1	21.94	22.86	22.97	23.5
		1	1	21.39	21.57	20.95	22.5
		1	1	19.38	18.84	18.82	20.5
		1	1	19.38	18.84	18.82	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	23.34	23.32	23.36	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.32	23.35	23.34	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	23.31	23.33	23.35	24.5

n2 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Channel	372000	376000	380000
				Frequency (MHz)	1860	1880	1900
							Max. Tune-up (dBm)
20M	DFT-s-OFDM P/2 BPSK	1	1	17.53	17.66	17.45	18.5
		1	53	17.60	17.66	17.54	18.5
		1	104	17.52	17.56	17.56	18.5
		50	0	17.07	17.10	17.01	18.5
		50	28	17.61	17.50	17.47	18.5
		50	56	17.15	16.93	16.93	18.5
	DFT-s-OFDM QPSK	100	0	16.93	17.06	16.92	18.5
		1	1	17.67	17.69	17.64	18.5
		1	53	17.65	17.64	17.59	18.5
		1	104	17.53	17.51	17.40	18.5
		50	0	16.55	16.46	16.49	17.5
		50	28	17.59	17.61	17.59	18.5
	DFT-s-OFDM 16QAM	50	56	16.50	16.47	16.48	17.5
		100	0	16.49	16.55	16.44	17.5
		1	1	16.76	16.81	16.57	17.5
		1	1	15.17	15.31	15.18	16.5
		1	1	13.24	13.33	13.18	14.5
		1	1	13.24	13.33	13.18	14.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	17.63	17.66	17.55	18.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	17.64	17.60	17.61	18.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	17.52	17.61	17.60	18.5

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	23.26	23.27	23.25	24.5
		1	53	23.23	23.35	23.29	24.5
		1	104	23.28	23.29	23.21	24.5
		50	0	23.35	23.40	23.36	24.5
		50	28	23.30	23.44	23.37	24.5
		50	56	23.37	23.42	23.45	24.5
	DFT-s-OFDM QPSK	100	0	23.32	23.47	23.39	24.5
		1	1	23.42	23.48	23.38	24.5
		1	53	23.32	23.33	23.32	24.5
		1	104	23.41	23.44	23.36	24.5
		50	0	23.37	23.45	23.33	24.5
		50	28	23.41	23.47	23.39	24.5
	DFT-s-OFDM 16QAM	50	56	23.32	23.39	23.38	24.5
		100	0	23.42	23.46	23.43	24.5
		1	1	23.46	23.44	23.45	24.5
		1	1	21.38	21.49	21.50	22.5
		1	1	19.32	19.41	19.34	20.5
		1	1	19.32	19.41	19.34	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	23.40	23.32	23.39	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	23.41	23.34	23.35	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	23.38	23.34	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	23.66	23.76	23.77	24.5
		1	108	23.69	23.58	23.71	24.5
		1	214	23.73	23.62	23.77	24.5
		108	0	23.01	23.04	22.95	24
		108	54	23.61	23.56	23.73	24.5
		108	108	22.95	22.93	22.73	24
	DFT-s-OFDM QPSK	216	0	22.92	22.97	22.88	24
		1	1	23.68	23.79	23.76	24.5
		1	108	23.58	23.62	23.73	24.5
		1	214	23.62	23.72	23.61	24.5
		108	0	22.97	22.94	23.02	24
		108	54	23.48	23.67	23.59	24.5
	DFT-s-OFDM 16QAM	108	108	22.91	22.97	22.82	24
		216	0	22.88	23.02	22.86	24
		1	1	23.09	23.18	23.07	24
		1	1	20.95	21.03	20.99	22
		1	1	18.72	18.71	18.70	20
		1	1	18.72	18.71	18.70	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.65	23.73	23.53	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	23.64	23.69	23.55	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.62	23.59	23.56	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	23.61	23.63	23.54	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.66	23.66	23.50	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	23.64	23.71	23.52	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	18.91	18.79	18.78	19.5
		1	108	18.90	18.96	18.84	19.5
		1	214	18.83	18.83	18.88	19.5
		108	0	18.40	18.52	18.43	19
		108	54	18.79	18.94	18.86	19.5
		108	108	18.39	18.37	18.43	19
	DFT-s-OFDM QPSK	216	0	18.44	18.41	18.38	19
		1	1	18.95	19.00	18.94	19.5
		1	108	18.94	18.85	18.86	19.5
		1	214	18.86	18.82	18.91	19.5
		108	0	17.96	18.08	17.88	19
		108	54	18.83	18.96	18.92	19.5
	DFT-s-OFDM 16QAM	108	108	17.79	17.91	17.83	19
		216	0	17.95	17.96	17.91	19
		1	1	18.02	18.02	18.03	19
		1	1	16.56	16.53	16.50	17
		1	1	14.47	14.46	14.38	15
		1	1	14.47	14.46	14.38	15
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	18.79	18.90	18.91	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	18.80	18.97	18.92	19.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	18.92	18.89	18.89	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	18.78	18.97	18.86	19.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	18.82	18.85	18.91	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	18.85	18.91	18.90	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		18.55		20
		1	137		18.26		20
		1	271		18.34		20
		135	0		18.44		20
		135	69		18.42		20
		135	138		18.29		20
	DFT-s-OFDM QPSK	270	0		18.34		20
		1	1		18.78		20
		1	137		18.53		20
		1	271		18.50		20
		135	0		18.62		20
		135	69		18.65		20
	DFT-s-OFDM 16QAM	135	138		18.44		20
		270	0		18.56		20
		1	1		18.75		20
		1	1		18.45		19
		1	1		16.72		17.5
		1	1		16.72		17.5
BW	MCS Index	Channel		633000	63334	63366	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	18.62	18.69	18.41	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	18.74	18.75	18.50	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	18.70	18.64	18.43	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	18.67	18.61	18.29	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	18.59	18.63	18.42	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	18.55	18.62	18.41	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	18.50	18.40	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	18.69	18.61	18.38	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	18.60	18.61	18.37	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	18.69	18.51	18.31	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	18.64	18.55	18.38	20

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	18.15	18.25	18.17	20
		1	137	18.08	18.27	18.51	20
		1	271	18.21	18.43	18.09	20
		135	0	18.27	18.33	18.49	20
		135	69	18.06	18.38	18.54	20
		135	138	18.19	18.33	18.73	20
		270	0	18.12	18.34	18.68	20
	DFT-s-OFDM QPSK	1	1	18.45	18.53	18.79	20
		1	137	18.19	18.43	18.52	20
		1	271	18.42	18.48	18.75	20
		135	0	18.42	18.27	18.50	20
		135	69	18.43	18.48	18.72	20
		135	138	18.38	18.44	18.71	20
		270	0	18.41	18.37	18.58	20
	DFT-s-OFDM 16QAM	1	1	18.20	18.23	18.59	20
	DFT-s-OFDM 64QAM	1	1	17.92	17.90	18.23	19
	DFT-s-OFDM 256QAM	1	1	16.31	16.19	16.51	17.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	18.29	18.26	18.48	20
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	-4.5
80M	DFT-s-OFDM QPSK	1	1	18.29	18.30	18.54	20
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	18.30	18.25	18.46	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	18.38	18.28	18.49	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	18.33	18.19	18.46	20
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	18.40	18.19	18.46	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	18.32	18.22	18.42	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	18.33	18.31	18.44	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	18.35	18.27	18.41	20
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	18.36	18.22	18.51	20
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	18.41	18.30	18.54	20

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		21.27		23
		1	137		21.26		23
		1	271		21.27		23
		135	0		20.96		22.5
		135	69		21.37		23
		135	138		20.83		22.5
		270	0		20.80		22.5
	DFT-s-OFDM QPSK	1	1		21.43		23
		1	137		21.26		23
		1	271		21.27		23
		135	0		20.45		22
		135	69		21.27		23
		135	138		20.24		22
		270	0		20.34		22
	DFT-s-OFDM 16QAM	1	1		20.51		22
	DFT-s-OFDM 64QAM	1	1		18.80		19.5
	DFT-s-OFDM 256QAM	1	1		16.58		17.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	21.22	21.45	21.31	23
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	21.31	21.35	21.41	23
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	21.36	21.41	21.40	23
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	21.31	21.40	21.32	23
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	21.32	21.40	21.39	23
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	21.29	21.42	21.28	23
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	21.23	21.41	21.32	23
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	21.26	21.37	21.35	23
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	21.36	21.42	21.40	23
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	21.22	21.40	21.17	23
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	21.22	21.40	21.25	23

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	21.37	21.27	21.32	23
		1	137	21.19	21.38	21.50	23
		1	271	21.20	21.52	21.66	23
		135	0	20.78	20.69	20.93	22.5
		135	69	21.27	21.39	21.61	23
		135	138	20.70	20.96	21.20	22.5
		270	0	20.73	20.82	21.09	22.5
	DFT-s-OFDM QPSK	1	1	21.51	21.55	21.71	23
		1	137	21.32	21.30	21.60	23
		1	271	21.20	21.49	21.58	23
		135	0	20.32	20.36	20.56	22
		135	69	21.19	21.34	21.54	23
		135	138	20.14	20.38	20.58	22
		270	0	20.10	20.36	20.60	22
	DFT-s-OFDM 16QAM	1	1	20.24	20.40	20.44	22
	DFT-s-OFDM 64QAM	1	1	18.30	18.37	18.47	19.5
	DFT-s-OFDM 256QAM	1	1	16.10	16.23	16.45	17.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	21.39	21.23	21.60	23
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	21.47	21.25	21.57	23
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	21.49	21.21	21.48	23
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	21.47	21.21	21.48	23
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	21.49	21.19	21.57	23
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	21.44	21.24	21.48	23
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	21.45	21.21	21.47	23
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	21.40	21.14	21.47	23
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	21.40	21.13	21.52	23
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	21.38	21.23	21.55	23
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	21.41	21.24	21.55	23

Receiver_on_OB2_ENDC

CA_B8 (Ant2)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power (dBm)
20450	829	20549	836.9	QPSK	1	49	1	0	1	24.76	25.5
				16QAM	1	49	1	0	1	23.92	24.5
				64QAM	1	49	1	0	1	23.61	23.5
				256QAM	1	49	1	0	1	19.73	20.5
				QPSK	1	49	1	0	1	24.73	25.5
20478	831.6	20575	841.5	16QAM	1	49	1	0	1	23.93	24.5
				64QAM	1	49	1	0	1	23.44	23.5
				256QAM	1	49	1	0	1	19.62	20.5
				QPSK	1	49	1	0	1	24.62	25.5
				16QAM	1	49	1	0	1	23.91	24.5
20501	834.1	20600	844	64QAM	1	49	1	0	1	22.25	23.5
				256QAM	1	49	1	0	1	19.78	20.5
				QPSK	1	49	1	0	1		
				16QAM	1	49	1	0	1		
				64QAM	1	49	1	0	1		
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power (dBm)
20450	829	20522	836.2	QPSK	1	49	1	0	1	24.81	25.5
				16QAM	1	49	1	0	1	23.58	24.5
				64QAM	1	49	1	0	1	22.48	23.5
				256QAM	1	49	1	0	1	19.49	20.5
				QPSK	1	49	1	0	1	24.53	25.5
20500	834	20572	841.2	16QAM	1	49	1	0	1	23.83	24.5
				64QAM	1	49	1	0	1	22.37	23.5
				256QAM	1	49	1	0	1	19.63	20.5
				QPSK	1	49	1	0	1	24.46	25.5
				16QAM	1	49	1	0	1	23.70	24.5
20550	839	20622	846.2	64QAM	1	49	1	0	1	22.13	23.5
				256QAM	1	49	1	0	1	19.54	20.5
				QPSK	1	49	1	0	1		
				16QAM	1	49	1	0	1		
				64QAM	1	49	1	0	1		
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power (dBm)
20428	826.8	20500	834	QPSK	1	24	1	0	1	24.54	25.5
				16QAM	1	24	1	0	1	23.82	24.5
				64QAM	1	24	1	0	1	22.55	23.5
				256QAM	1	24	1	0	1	19.50	20.5
				QPSK	1	24	1	0	1	24.55	25.5
20478	831.8	20550	839	16QAM	1	24	1	0	1	23.76	24.5
				64QAM	1	24	1	0	1	22.38	23.5
				256QAM	1	24	1	0	1	19.61	20.5
				QPSK	1	24	1	0	1	24.49	25.5
				16QAM	1	24	1	0	1	23.70	24.5
20528	836.8	20600	844	64QAM	1	24	1	0	1	22.10	23.5
				256QAM	1	24	1	0	1	19.53	20.5
				QPSK	1	24	1	0	1		
				16QAM	1	24	1	0	1		
				64QAM	1	24	1	0	1		
Combination 5MHz+3MHz (25RB+15RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power (dBm)
20425	826.5	20464	830.4	QPSK	1	24	1	0	1	24.48	25.5
				16QAM	1	24	1	0	1	23.57	24.5
				64QAM	1	24	1	0	1	22.62	23.5
				256QAM	1	24	1	0	1	19.42	20.5
				QPSK	1	24	1	0	1	24.41	25.5
20510	835	20549	838.9	16QAM	1	24	1	0	1	23.78	24.5
				64QAM	1	24	1	0	1	22.25	23.5
				256QAM	1	24	1	0	1	19.65	20.5
				QPSK	1	24	1	0	1	24.33	25.5
				16QAM	1	24	1	0	1	23.76	24.5
20595	843.5	20634	847.4	64QAM	1	24	1	0	1	22.04	23.5
				256QAM	1	24	1	0	1	19.46	20.5
				QPSK	1	24	1	0	1		
				16QAM	1	24	1	0	1		
				64QAM	1	24	1	0	1		
Combination 3MHz+5MHz (15RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power (dBm)
20416	825.6	20455	829.5	QPSK	1	14	1	0	1	24.37	25.5
				16QAM	1	14	1	0	1	23.67	24.5
				64QAM	1	14	1	0	1	22.54	23.5
				256QAM	1	14	1	0	1	19.45	20.5
				QPSK	1	14	1	0	1	23.45	24.5
20501	834.1	20540	838	16QAM	1	14	1	0	1	23.65	24.5
				64QAM	1	14	1	0	1	22.28	23.5
				256QAM	1	14	1	0	1	19.57	20.5
				QPSK	1	14	1	0	1	24.28	25.5
				16QAM	1	14	1	0	1	23.66	24.5
20586	842.6	20625	846.5	64QAM	1	14	1	0	1	22.10	23.5
				256QAM	1	14	1	0	1	19.45	20.5
				QPSK	1	14	1	0	1		
				16QAM	1	14	1	0	1		
				64QAM	1	14	1	0	1		

CA_66B (Ant1)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132022	1715	132121	1724.9	QPSK	1	49	1	0	1	24.13	24.5
				16QAM	1	49	1	0	1	23.34	23.5
				64QAM	1	49	1	0	1	21.69	22.5
				256QAM	1	49	1	0	1	19.17	19.5
				QPSK	1	49	1	0	1	23.91	24.5
132373	1750.1	132472	1760	16QAM	1	49	1	0	1	23.23	23.5
				64QAM	1	49	1	0	1	21.78	22.5
				256QAM	1	49	1	0	1	19.04	19.5
				QPSK	1	49	1	0	1	23.63	24.5
				16QAM	1	49	1	0	1	23.14	23.5
132523	1765.1	132622	1775	64QAM	1	49	1	0	1	21.68	22.5
				256QAM	1	49	1	0	1	19.07	19.5
				QPSK	1	49	1	0	1	23.17	23.5
				16QAM	1	49	1	0	1	23.22	23.5
				64QAM	1	74	1	0	1	21.85	22.5
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132047	1717.5	132140	1726.8	QPSK	1	74	1	0	1	23.97	24.5
				16QAM	1	74	1	0	1	23.27	23.5
				64QAM	1	74	1	0	1	21.57	22.5
				256QAM	1	74	1	0	1	19.07	19.5
				QPSK	1	74	1	0	1	23.89	24.5
132396	1752.6	132491	1761.9	16QAM	1	74	1	0	1	23.22	23.5
				64QAM	1	74	1	0	1	21.85	22.5
				256QAM	1	74	1	0	1	19.03	19.5
				QPSK	1	74	1	0	1	23.80	24.5
				16QAM	1	74	1	0	1	23.09	23.5
132549	1767.7	132642	1777	64QAM	1	74	1	0	1	21.85	22.5
				256QAM	1	74	1	0	1	19.03	19.5
				QPSK	1	74	1	0	1	23.80	24.5
				16QAM	1	74	1	0	1	23.09	23.5
				64QAM	1	74	1	0	1	21.85	22.5
Combination 5MHz+15MHz (25RB+75RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132002	1713	132095	1722.3	QPSK	1	24	1	0	1	24.01	24.5
				16QAM	1	24	1	0	1	23.21	23.5
				64QAM	1	24	1	0	1	21.59	22.5
				256QAM	1	24	1	0	1	19.02	19.5
				QPSK	1	24	1	0	1	23.82	24.5
132353	1748.1	132446	1757.4	16QAM	1	24	1	0	1	23.15	23.5
				64QAM	1	24	1	0	1	21.77	22.5
				256QAM	1	24	1	0	1	18.92	19.5
				QPSK	1	24	1	0	1	23.71	24.5
				16QAM	1	24	1	0	1	23.13	23.5
132504	1763.2	132597	1772.5	64QAM	1	24	1	0	1	21.60	22.5
				256QAM	1	24	1	0	1	18.99	19.5
				QPSK	1	24	1	0	1	23.84	24.5
				16QAM	1	49	1	0	1	23.17	23.5
				64QAM	1	49	1	0	1	21.62	22.5
132397	1752.5	132489	1759.7	256QAM	1	49	1	0	1	19.00	19.5
				QPSK	1	49	1	0	1	23.98	24.5
				16QAM	1	49	1	0	1	23.05	23.5
				64QAM	1	49	1	0	1	21.70	22.5
				256QAM	1	49	1	0	1	18.86	19.5
132572	1770	132644	1777.2	QPSK	1	49	1	0	1	23.58	24.5
				16QAM	1	49	1	0	1	22.99	23.5
				64QAM	1	49	1	0	1	21.63	22.5
				256QAM	1	49	1	0	1	18.91	19.5
				QPSK	1	49	1	0	1	23.84	24.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132022	1715	132094	1722.2	QPSK	1	49	1	0	1	23.84	24.5
				16QAM	1	49	1	0	1	23.17	23.5
				64QAM	1	49	1	0	1	21.62	22.5
				256QAM	1	49	1	0	1	19.00	19.5
				QPSK	1	49	1	0	1	23.98	24.5
132397	1752.5	132489	1759.7	16QAM	1	49	1	0	1	23.05	23.5
				64QAM	1	49	1	0	1	21.70	22.5
				256QAM	1	49	1	0	1	18.86	19.5
				QPSK	1	49	1	0	1	23.58	24.5
				16QAM	1	49	1	0	1	22.99	23.5
132572	1770	132644	1777.2	64QAM	1	49	1	0	1	21.63	22.5
				256QAM	1	49	1	0	1	18.91	19.5
				QPSK	1	49	1	0	1	23.84	24.5
				16QAM	1	49	1	0	1	23.17	23.5
				64QAM	1	49	1	0	1	21.62	22.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132000	1712.8	132072	1720	QPSK	1	24	1	0	1	23.85	24.5
				16QAM	1	24	1	0	1	23.11	23.5
				64QAM	1	24	1	0	1	21.54	22.5
				256QAM	1	24	1	0	1	19.01	19.5
				QPSK	1	24	1	0	1	23.92	24.5
132375	1750.3	132447	1757.5	16QAM	1	24	1	0	1	23.14	23.5
				64QAM	1	24	1	0	1	21.58	22.5
				256QAM	1	24	1	0	1	18.85	19.5
				QPSK	1	24	1	0	1	23.63	24.5
				16QAM	1	24	1	0	1	23.00	23.5
132550	1767.8	132622	1775	64QAM	1	24	1	0	1	21.50	22.5
				256QAM	1	24	1	0	1	18.86	19.5
				QPSK	1	24	1	0	1	23.89	24.5
				16QAM	1	24	1	0	1	23.21	23.5
				64QAM	1	24	1	0	1	21.63	22.5
132396	1752.5	132446	1759.7	256QAM	1	24	1	0	1	19.02	19.5
				QPSK	1	24	1	0	1	23.85	24.5
				16QAM	1	24	1	0	1	23.15	23.5
				64QAM	1	24	1	0	1	21.77	22.5
				256QAM	1	24	1	0	1	18.95	19.5
132599	1772.7	132647	1777.5	QPSK	1	24	1	0	1	23.75	24.5
				16QAM	1	24	1	0	1	22.97	23.5
				64QAM	1	24	1	0	1	21.63	22.5
				256QAM	1	24	1	0	1	18.88	19.5
				QPSK	1	24	1	0	1	23.88	24.5

CA_66C (Ant1)										
Combination 20MHz+20MHz (100RB+100RB)										
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		
132072	1720	132270	1739.8	QPSK	1	99	1	0	23.91	24.5
				16QAM	1	99	1	0	23.26	23.5
				64QAM	1	99	1	0	21.31	22.5
				256QAM	1	99	1	0	18.99	19.5
132323	1745.1	132521	1764.9	QPSK	1	99	1	0	24.07	24.5
				16QAM	1	99	1	0	23.07	23.5
				64QAM	1	99	1	0	21.71	22.5
				256QAM	1	99	1	0	18.99	19.5
132374	1750.2	132572	1770	QPSK	1	99	1	0	23.86	24.5
				16QAM	1	99	1	0	23.05	23.5
				64QAM	1	99	1	0	21.17	22.5
				256QAM	1	99	1	0	18.94	19.5
Combination 20MHz+15MHz (100RB+75RB)										
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		
132072	1720	132243	1737.1	QPSK	1	99	1	0	23.79	24.5
				16QAM	1	99	1	0	23.14	23.5
				64QAM	1	99	1	0	21.19	22.5
				256QAM	1	99	1	0	18.96	19.5
132346	1747.6	132519	1764.7	QPSK	1	99	1	0	23.77	24.5
				16QAM	1	99	1	0	22.98	23.5
				64QAM	1	99	1	0	21.65	22.5
				256QAM	1	99	1	0	18.96	19.5
132423	1756.1	132594	1772.2	QPSK	1	99	1	0	23.85	24.5
				16QAM	1	99	1	0	23.05	24.5
				64QAM	1	99	1	0	22.96	23.5
				256QAM	1	99	1	0	21.10	22.5
Combination 15MHz+20MHz (75RB+100RB)										
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		
132060	1717.8	132221	1734.9	QPSK	1	74	1	0	23.83	24.5
				16QAM	1	74	1	0	23.17	23.5
				64QAM	1	74	1	0	21.25	22.5
				256QAM	1	74	1	0	18.88	19.5
132325	1745.3	132496	1762.4	QPSK	1	74	1	0	23.83	24.5
				16QAM	1	74	1	0	23.02	23.5
				64QAM	1	74	1	0	21.64	22.5
				256QAM	1	74	1	0	18.90	19.5
132401	1752.9	132572	1770	QPSK	1	74	1	0	23.81	24.5
				16QAM	1	74	1	0	22.95	23.5
				64QAM	1	74	1	0	21.19	22.5
				256QAM	1	74	1	0	18.79	19.5
Combination 20MHz+10MHz (100RB+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		
132072	1720	132216	1734.4	QPSK	1	99	1	0	23.85	24.5
				16QAM	1	99	1	0	23.30	23.5
				64QAM	1	99	1	0	21.63	22.5
				256QAM	1	99	1	0	19.10	19.5
132373	1750.1	132517	1764.5	QPSK	1	99	1	0	23.79	24.5
				16QAM	1	99	1	0	23.24	23.5
				64QAM	1	99	1	0	21.69	22.5
				256QAM	1	99	1	0	19.04	19.5
132473	1760.1	132617	1774.5	QPSK	1	99	1	0	23.74	24.5
				16QAM	1	99	1	0	23.15	23.5
				64QAM	1	99	1	0	21.58	22.5
				256QAM	1	99	1	0	19.03	19.5
Combination 10MHz+20MHz (50RB+100RB)										
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		
132027	1715.5	132171	1729.9	QPSK	1	49	1	0	23.69	24.5
				16QAM	1	49	1	0	23.19	23.5
				64QAM	1	49	1	0	21.55	22.5
				256QAM	1	49	1	0	19.04	19.5
132328	1745.6	132472	1760	QPSK	1	49	1	0	23.66	24.5
				16QAM	1	49	1	0	23.09	23.5
				64QAM	1	49	1	0	21.62	22.5
				256QAM	1	49	1	0	18.91	19.5
132428	1756.6	132572	1770	QPSK	1	49	1	0	23.60	24.5
				16QAM	1	49	1	0	22.90	23.5
				64QAM	1	49	1	0	21.54	22.5
				256QAM	1	49	1	0	18.91	19.5
Combination 15MHz+15MHz (75RB+75RB)										
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		
132047	1717.5	132197	1732.5	QPSK	1	74	1	0	23.92	24.5
				16QAM	1	74	1	0	23.29	23.5
				64QAM	1	74	1	0	21.52	22.5
				256QAM	1	74	1	0	19.15	19.5
132347	1747.5	132497	1762.5	QPSK	1	74	1	0	23.65	24.5
				16QAM	1	74	1	0	23.05	23.5
				64QAM	1	74	1	0	21.56	22.5
				256QAM	1	74	1	0	18.99	19.5
132447	1757.5	132597	1772.5	QPSK	1	74	1	0	23.65	24.5
				16QAM	1	74	1	0	22.98	23.5
				64QAM	1	74	1	0	21.61	22.5
				256QAM	1	74	1	0	18.91	19.5
Combination 15MHz+10MHz (75RB+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		
132047	1717.5	132167	1729.5	QPSK	1	74	1	0	23.85	24.5
				16QAM	1	74	1	0	23.18	23.5
				64QAM	1	74	1	0	21.42	22.5
				256QAM	1	74	1	0	18.92	19.5
132373	1750.1	132493	1762.1	QPSK	1	74	1	0	23.61	24.5
				16QAM	1	74	1	0	23.00	23.5
				64QAM	1	74	1	0	21.57	22.5
				256QAM	1	74	1	0	18.96	19.5
132496	1762.7	132619	1774.7	QPSK	1	74	1	0	23.58	24.5
				16QAM	1	74	1	0	23.00	23.5
				64QAM	1	74	1	0	21.53	22.5
				256QAM	1	74	1	0	18.86	19.5
Combination 10MHz+15MHz (50RB+75RB)										
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		
132025	1715.3	132145	1727.3	QPSK	1	49	1	0	23.96	24.5
				16QAM	1	49	1	0	23.15	23.5
				64QAM	1	49	1	0	21.37	22.5
				256QAM	1	49	1	0	18.93	19.5
132351	1747.9	132471	1759.9	QPSK	1	49	1	0	23.67	24.5
				16QAM	1	49	1	0	22.97	23.5
				64QAM	1	49	1	0	21.43	22.5
				256QAM	1	49	1	0	18.94	19.5
132477	1760.5	132597	1772.5	QPSK	1	49	1	0	23.55	24.5
				16QAM	1	49	1	0	22.92	23.5
				64QAM	1	49	1	0	21.49	22.5
				256QAM	1	49	1	0	18.99	19.5
Combination 20MHz+5MHz (100RB+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		
132072	1720	132189	1731.7	QPSK	1	99	1	0	23.95	24.5
				16QAM	1	99	1	0	23.18	23.5
				64QAM	1	99	1	0	21.41	22.5
				256QAM	1	99	1	0	18.93	19.5
132397	1752.5	132514	1764.2	QPSK	1	99	1	0	23.66	24.5
				16QAM	1	99	1	0	22.98	23.5
				64QAM	1	99	1	0	21.50	22.5
				256QAM	1	99	1	0	18.91	19.5
132522	1766	132639	1776.7	QPSK	1	99	1	0	23.49	24.5
				16QAM	1	99	1	0	22.91	23.5
				64QAM	1	99	1	0	21.48	22.5
				256QAM	1	99	1	0	18.86	19.5
Combination 5MHz+20MHz (25RB+100RB)										
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		
132005	1713.3	132122	1725	QPSK	1	24	1	0	23.87	24.5
				16QAM	1	24	1	0	23.18	23.5
				64QAM	1	24	1	0	21.38	22.5
				256QAM	1	24	1	0	18.89	19.5
132330	1745.8	132447	1757.5	QPSK	1	24	1	0	23.93	24.5
				16QAM	1	24	1	0	23.05	23.5
				64QAM	1	24	1	0	21.46	22.5
				256QAM	1	24	1	0	18.85	19.5
132455	1758.3	132572	1770	QPSK	1	24	1	0	23.81	24.5
				16QAM	1	24	1	0	22.90	23.5
				64QAM	1	24	1	0	21.44	22.5
				256QAM	1	24	1	0	18.89	19.5

Senior On-NetOp_05087_ENDC

LTE Band 2 (A-ant)												
SR	Modulation	RB Size	SR Offset	Channel								
				Frequency (MHz)	1980	1985	1990	1995	2000	2005	2010	2015
OFDM	1	1	0	21.12	21.12	21.16	21.10	20.83	22			
		1	50	21.11	21.10	20.83	22					
		2	0	21.06	21.06	21.03	22					
		50	0	20.95	20.93	19.99	21					
		100	0	19.99	19.99	19.99	20					
		50	25	20.07	20.11	20.07	21					
		100	0	19.96	19.96	19.91	20					
		1	50	20.17	20.16	20.21	21					
		1	50	20.28	20.35	20.23	21					
		1	50	20.35	20.17	20.20	21					
HSDMA	1	50	10	19.95	19.92	19.98	20					
		50	25	19.99	19.93	19.93	20					
		100	0	19.95	19.99	19.94	20					
		1	0	19.17	19.16	19.11	20					
		1	50	19.12	19.22	19.82	20					
		1	50	19.10	19.22	19.21	20					
		50	0	17.99	18.01	17.99	19					
		50	25	18.01	18.01	18.02	19					
		50	25	18.04	18.04	18.04	19					
		100	0	18.03	17.99	18.00	19					
E-SDMA	1	50	10	15.95	15.98	15.98	16.04	16.00	17			
		1	0	15.17	15.16	15.11	16					
		1	50	15.12	15.12	15.22	15.82	15.82	20			
		1	50	15.10	15.10	15.10	15.21	15.21	16			
		50	0	17.99	18.01	17.99	17.99	17.99	19			
		50	25	18.01	18.01	18.02	17.98	17.98	19			
		50	25	18.04	18.04	18.04	17.98	17.98	19			
		100	0	18.03	17.99	18.00	17.98	17.98	19			
		1	0	15.90	15.88	15.98	16.05	16.07	17			
		1	50	16.08	15.98	16.05	16.05	16.05	17			
OFDM	1	50	15	16.02	15.93	15.93	15.97	15.97	17			
		50	50	16.12	16.03	15.99	17					
		100	0	16.16	16.16	16.14	17					
		1	0	16.17	16.17	16.17	16.17	16.17	17			
		1	50	16.08	16.08	16.08	16.08	16.08	17			
		1	50	16.08	16.08	16.08	16.08	16.08	17			
		50	15	15.95	15.95	15.95	15.95	15.95	17			
		50	25	16.00	16.00	16.00	16.00	16.00	17			
		50	25	16.03	16.03	16.03	16.03	16.03	17			
		100	0	16.03	16.03	16.03	16.03	16.03	17			
HSDMA	1	50	10	15.95	15.98	15.98	16.04	16.00	17			
		1	0	15.17	15.16	15.11	16					
		1	50	15.12	15.12	15.22	15.82	15.82	20			
		1	50	15.10	15.10	15.10	15.21	15.21	16			
		50	0	17.99	18.01	17.99	17.99	17.99	19			
		50	25	18.01	18.01	18.02	17.98	17.98	19			
		50	25	18.04	18.04	18.04	17.98	17.98	19			
		100	0	18.03	17.99	18.00	17.98	17.98	19			
		1	0	15.90	15.88	15.98	16.05	16.07	17			
		1	50	16.08	15.98	16.05	16.05	16.05	17			
OFDM	1	50	15	16.02	15.93	15.93	15.97	15.97	17			
		50	50	16.12	16.03	15.99	17					
		100	0	16.16	16.16	16.14	17					
		1	0	16.17	16.17	16.17	16.17	16.17	17			
		1	50	16.08	16.08	16.08	16.08	16.08	17			
		1	50	16.08	16.08	16.08	16.08	16.08	17			
		50	15	15.95	15.95	15.95	15.95	15.95	17			
		50	25	16.00	16.00	16.00	16.00	16.00	17			
		50	25	16.03	16.03	16.03	16.03	16.03	17			
		100	0	16.03	16.03	16.03	16.03	16.03	17			
HSDMA	1	50	10	15.95	15.98	15.98	16.04	16.00	17			
		1	0	15.17	15.16	15.11	16					
		1	50	15.12	15.12	15.22	15.82	15.82	20			
		1	50	15.10	15.10	15.10	15.21	15.21	16			
		50	0	17.99	18.01	17.99	17.99	17.99	19			
		50	25	18.01	18.01	18.02	17.98	17.98	19			
		50	25	18.04	18.04	18.04	17.98	17.98	19			
		100	0	18.03	17.99	18.00	17.98	17.98	19			
		1	0	15.90	15.88	15.98	16.05	16.07	17			
		1	50	16.08	15.98	16.05	16.05	16.05	17			
OFDM	1	50	15	16.02	15.93	15.93	15.97	15.97	17			
		50	50	16.12	16.03	15.99	17					
		100	0	16.16	16.16	16.14	17					
		1	0	16.17	16.17	16.17	16.17	16.17	17			
		1	50	16.08	16.08	16.08	16.08	16.08	17			
		1	50	16.08	16.08	16.08	16.08	16.08	17			
		50	15	15.95	15.95	15.95	15.95	15.95	17			
		50	25	16.00	16.00	16.00	16.00	16.00	17			
		50	25	16.03	16.03	16.03	16.03	16.03	17			
		100	0	16.03	16.03	16.03	16.03	16.03	17			
HSDMA	1	50	10	15.95	15.98	15.98	16.04	16.00	17			
		1	0	15.17	15.16	15.11	16					
		1	50	15.12	15.12	15.22	15.82	15.82	20			
		1	50	15.10	15.10	15.10	15.21	15.21	16			
		50	0	17.99	18.01	17.99	17.99	17.99	19			
		50	25	18.01	18.01	18.02	17.98	17.98	19			
		50	25	18.04	18.04	18.04	17.98	17.98	19			
		100	0	18.03	17.99	18.00	17.98	17.98	19			
		1	0	15.90	15.88	15.98	16.05	16.07	17			
		1	50	16.08	15.98	16.05	16.05	16.05	17			
OFDM	1	50	15	16.02	15.93	15.93	15.97	15.97	17			
		50	50	16.12	16.03	15.99	17					
		100	0	16.16	16.16	16.14	17					
		1	0	16.17	16.17	16.17	16.17	16.17	17			
		1	50	16.08	16.08	16.08	16.08	16.08	17			
		1	50	16.08	16.08	16.08	16.08	16.08	17			
		50	15	15.95	15.95	15.95	15.95	15.95	17			
		50	25	16.00	16.00	16.00	16.00	16.00	17			
		50	25	16.03	16.03	16.03	16.03	16.03	17			
		100	0	16.03	16.03	16.03	16.03	16.03	17			
HSDMA	1	50	10	15.95	15.98	15.98	16.04	16.00	17			
		1	0	15.17	15.16	15.11	16					
		1	50	15.12	15.12	15.22	15.82	15.82	20			
		1	50	15.10	15.10	15.10	15.21	15.21	16			
		50	0	17.99	18.01	17.99	17.99	17.99	19			
		50	25	18.01	18.01	18.02	17.98	17.98	19			
		50	25	18.04	18.04	18.04	17.98	17.98	19			
		100	0	18.03	17.99	18.00	17.98	17.98	19			
		1	0	15.90	15.88	15.98	16.05	16.07	17			
		1	50	16.08	15.98	16.05	16.05	16.05	17			

BW	Modulation	LTE Band 4 (Aur2)						
		RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)	
		Channel Frequency (MHz)	2000	2015	2030	2045		
20M	OFDMA	1	0	20.04	20.81	20.72	22	
		1	50	20.05	20.80	20.80	22	
		1	99	20.02	20.84	20.84	22	
		50	0	19.60	19.69	19.74	21	
		50	50	19.70	19.60	19.69	21	
	SCDMA	1	0	19.64	19.80	19.85	21	
		1	50	19.65	19.79	19.79	21	
		1	99	19.68	19.80	19.80	21	
		50	0	19.65	19.80	19.80	20	
		50	50	19.72	19.82	19.78	20	
20M	OFDMA	1	0	19.61	19.83	19.78	20	
		1	50	19.73	19.87	19.81	20	
		1	99	19.70	19.81	19.79	20	
		50	0	17.60	17.80	17.67	19	
		50	50	17.71	17.72	17.66	19	
	SCDMA	1	0	17.61	17.77	17.79	19	
		1	50	17.65	17.78	17.79	19	
		1	99	17.67	17.77	17.77	19	
		50	0	15.50	15.77	15.62	17	
		50	50	15.65	15.67	15.60	17	
20M	OFDMA	1	0	15.61	15.84	15.78	17	
		1	50	15.64	15.82	15.76	17	
		1	99	15.67	15.77	15.68	17	
		50	0	13.71	13.74	13.69	17	
		50	50	13.74	13.69	13.67	17	
20M	OFDMA	1	0	13.71	13.74	13.69	17	
		1	50	13.74	13.69	13.67	17	
		1	99	13.74	13.69	13.67	17	
		50	0	11.50	11.53	11.48	15	
		50	50	11.53	11.48	11.46	15	
20M	OFDMA	1	0	11.50	11.53	11.48	15	
		1	50	11.53	11.48	11.46	15	
		1	99	11.53	11.48	11.46	15	
		50	0	9.30	9.33	9.28	13	
		50	50	9.33	9.28	9.26	13	
20M	OFDMA	1	0	9.30	9.33	9.28	13	
		1	50	9.33	9.28	9.26	13	
		1	99	9.33	9.28	9.26	13	
		50	0	7.10	7.13	7.08	11	
		50	50	7.13	7.08	7.06	11	
20M	OFDMA	1	0	7.10	7.13	7.08	11	
		1	50	7.13	7.08	7.06	11	
		1	99	7.13	7.08	7.06	11	
		50	0	4.90	4.93	4.88	9	
		50	50	4.93	4.88	4.86	9	
20M	OFDMA	1	0	4.90	4.93	4.88	9	
		1	50	4.93	4.88	4.86	9	
		1	99	4.93	4.88	4.86	9	
		50	0	2.70	2.73	2.68	7	
		50	50	2.73	2.68	2.66	7	
20M	OFDMA	1	0	2.70	2.73	2.68	7	
		1	50	2.73	2.68	2.66	7	
		1	99	2.73	2.68	2.66	7	
		50	0	0.50	0.53	0.48	5	
		50	50	0.53	0.48	0.46	5	
20M	OFDMA	1	0	0.50	0.53	0.48	5	
		1	50	0.53	0.48	0.46	5	
		1	99	0.53	0.48	0.46	5	
		50	0	0.30	0.33	0.28	3	
		50	50	0.33	0.28	0.26	3	
20M	OFDMA	1	0	0.30	0.33	0.28	3	
		1	50	0.33	0.28	0.26	3	
		1	99	0.33	0.28	0.26	3	
		50	0	0.10	0.13	0.08	1	
		50	50	0.13	0.08	0.06	1	
20M	OFDMA	1	0	0.10	0.13	0.08	1	
		1	50	0.13	0.08	0.06	1	
		1	99	0.13	0.08	0.06	1	
		50	0	0.00	0.03	0.00	0	
		50	50	0.03	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.03	0.00	0	
		1	50	0.03	0.00	0.00	0	
		1	99	0.03	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1	50	0.00	0.00	0.00	0	
		1	99	0.00	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1	50	0.00	0.00	0.00	0	
		1	99	0.00	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1	50	0.00	0.00	0.00	0	
		1	99	0.00	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1	50	0.00	0.00	0.00	0	
		1	99	0.00	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1	50	0.00	0.00	0.00	0	
		1	99	0.00	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1	50	0.00	0.00	0.00	0	
		1	99	0.00	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1	50	0.00	0.00	0.00	0	
		1	99	0.00	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1	50	0.00	0.00	0.00	0	
		1	99	0.00	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1	50	0.00	0.00	0.00	0	
		1	99	0.00	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1	50	0.00	0.00	0.00	0	
		1	99	0.00	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1	50	0.00	0.00	0.00	0	
		1	99	0.00	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1	50	0.00	0.00	0.00	0	
		1	99	0.00	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1	50	0.00	0.00	0.00	0	
		1	99	0.00	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1	50	0.00	0.00	0.00	0	
		1	99	0.00	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1	50	0.00	0.00	0.00	0	
		1	99	0.00	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1	50	0.00	0.00	0.00	0	
		1	99	0.00	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1	50	0.00	0.00	0.00	0	
		1	99	0.00	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1	50	0.00	0.00	0.00	0	
		1	99	0.00	0.00	0.00	0	
		50	0	0.00	0.00	0.00	0	
		50	50	0.00	0.00	0.00	0	
20M	OFDMA	1	0	0.00	0.00	0.00	0	
		1</						

LTE Band 13 (Ant2)									
BW	Modulation	RB Size	RB Offset	Mid	Max. Time-avg. (MHz)				
		Channel	Frequency (MHz)			792	792	792	792
GSM	QPSK	1	0	24.10	25.5				
		1	24	24.11	25.5				
		1	49	24.57	25.5				
		25	0	23.99	24.5				
		50	24	24.12	24.5				
		25	25	25.10	24.5				
		50	0	23.98	24.5				
		1	54	25.53	24.5				
		1	49	23.24	24.5				
		25	0	22.10	23.5				
TSM	SC-FDM	25	12	22.04	23.5				
		25	25	22.10	23.5				
		50	0	22.05	23.5				
		1	0	22.18	23.5				
		1	24	22.10	23.5				
		1	49	22.22	23.5				
		25	0	21.09	22.5				
		25	25	21.05	22.5				
		25	25	21.13	22.5				
		50	0	21.06	22.5				
280M	SC-FDM	1	54	18.24	20.5				
		1	49	19.18	20.5				
		25	0	18.14	20.5				
		25	12	18.12	20.5				
		25	25	18.13	20.5				
		50	0	18.09	20.5				

LTE Band 66 (Ant1)										
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-avg. (MHz)			
		Channel	Frequency (MHz)	12072	12072	12072		792	792	792
20M	QPSK	1	0	18.86	18.82	18.48	20.5			
		1	50	18.85	18.43	18.44	20.5			
		1	99	18.83	18.81	18.42	20.5			
		50	0	18.76	18.67	18.68	19.5			
		50	25	18.74	18.64	18.65	19.5			
		50	50	18.84	18.80	18.60	19.5			
		100	0	18.77	18.61	18.60	19.5			
		1	50	18.76	18.75	18.67	19.5			
		1	50	18.88	18.88	18.75	19.5			
		1	99	18.84	18.78	18.65	19.5			
280M	SC-FDM	50	0	17.88	17.82	17.52	18.5			
		50	25	17.76	17.51	17.71	18.5			
		50	50	17.72	17.72	17.58	18.5			
		100	0	17.75	17.60	17.58	18.5			
		1	0	17.88	17.78	17.55	18.5			
		1	50	17.75	17.77	17.59	18.5			
		1	99	17.86	17.77	17.57	18.5			
		50	0	16.71	16.47	16.41	17.5			
		50	25	16.74	16.50	16.50	17.5			
		50	50	16.75	16.80	16.70	17.5			
280M	SC-FDM	100	0	16.72	16.58	16.59	17.5			
		1	50	14.58	14.52	14.61	15.5			
		1	99	14.85	14.69	14.58	15.5			
		50	0	14.61	14.68	14.61	15.5			
		50	25	14.63	14.68	14.60	15.5			
		50	50	14.77	14.61	14.62	15.5			
		100	0	14.75	14.63	14.68	15.5			
280M	SC-FDM	100	0	17.85	17.85	17.55	18.5			
		1	50	17.87	17.87	17.57	18.5			
		1	99	17.83	17.83	17.53	18.5			
		50	0	17.81	17.81	17.51	18.5			
		50	25	17.79	17.79	17.49	18.5			
		50	50	17.83	17.83	17.53	18.5			
		100	0	17.82	17.82	17.52	18.5			
		1	50	17.84	17.84	17.54	18.5			
		1	99	17.80	17.80	17.50	18.5			
		1	99	17.81	17.81	17.51	18.5			
280M	SC-FDM	1	50	17.47	17.47	17.33	17.5			
		1	99	17.49	17.49	17.35	17.5			
		50	0	17.47	17.47	17.33	17.5			
		50	19	17.74	17.74	17.60	18.5			
		50	39	17.76	17.76	17.62	18.5			
		100	0	17.67	17.48	17.48	18.5			
		1	72	17.62	17.43	17.43	18.5			
		1	99	17.67	17.48	17.48	18.5			
		50	0	17.73	17.63	17.63	18.5			
		50	25	17.75	17.65	17.65	18.5			
280M	SC-FDM	1	74	17.83	17.75	17.53	18.5			
		36	0	18.05	18.00	18.33	17.2			
		36	19	18.03	18.07	18.31	17.2			
		36	39	18.22	18.26	18.60	17.2			
		75	0	14.58	14.59	14.49	15.5			
		1	37	14.48	14.71	14.54	15.5			
		1	74	14.70	14.55	14.51	15.5			
		36	0	14.50	14.52	14.58	15.5			
		36	19	14.59	14.53	14.50	15.5			
		75	0	14.64	14.59	14.53	15.5			

BW	Modulation	Channel	Frequency (MHz)	12087	12087	12087	Max. Time-avg. (MHz)				
		Frequency (MHz)	12087	12087	12087	12087	12087	12087	12087	12087	12087
GSM	QPSK	1	0	19.37	19.37	19.30	20.5				
		1	74	19.51	19.60	19.38	20.5				
		36	0	18.71	18.85	18.67	19.5				
		36	19	18.73	18.60	18.48	19.5				
		36	36	18.83	18.88	18.50	19.5				
		75	0	18.62	18.58	18.54	19.5				
		1	0	18.71	18.71	18.60	19.5				
		1	37	18.87	18.81	18.71	19.5				
		1	74	18.70	18.67	18.63	19.5				
		36	0	17.47	17.49	17.51	18.5				
280M	SC-FDM	36	19	18.74	18.69	18.59	19.5				
		36	36	18.77	18.71	18.58	19.5				
		75	0	17.68	17.71	17.62	18.5				
		75	0	17.67	17.48	17.51	18.5				
		1	0	17.82	17.68	17.48	18.5				
		1	37	17.73	17.63	17.45	18.5				
		1	74	17.83	17.75	17.53	18.5				
		36	0	16.65	16.60	16.58	17.5				
		36	19	16.63	16.47	16.66	17.5				
		36	36	16.72	16.66	16.60	17.5				
280M	SC-FDM	75	0	16.66	16.65	16.57	17.5				
		1	0	14.58	14.59	14.49	15.5				
		1	74	14.76	14.64	14.51	15.5				
		36	0	14.50	14.52	14.58	15.5				
		36	19	14.48	14.53	14.55	15.5				
		36	36	14.73	14.54	14.63	15.5				
		75	0	14.64	14.54	14.53	15.5				

BW	Modulation	Channel	Frequency (MHz)	12097	12097	12097	Max. Time-avg. (MHz)				
		Frequency (MHz)	12097	12097	12097	12097	12097	12097	12097	12097	12097
GSM	QPSK	1	0	19.37	19.39	19.34	20.5				
		1	74	19.42	19.44	19.40	20.5				
		1	49	19.48	19.57	19.57	20.5				
		25	0	18.50	18.46	18.59	19.5				
		50	12	18.47	18.38	18.57	19.5				
		25	25	18.81	18.43	18.48	19.5				
		50	0	18.59	18.50	18.48	19.5				
		1	0	18.62	18.67	18.57	19.5				
		1	24	18.72	18.74	18.61	19.5				
		1	49	18.58	18.52	18.60	19.5				
280M	SC-FDM	25	0	17.42	17.41	17.41	18.5				
		25	12	17.65	17.48	17.50	18.5				
		25	25	17.83	17.68	17.51	18.5				
		50	0	17.43	17.43	17.44	18.5				
		1	0	17.74	17.57	17.51	18.5				
		1	24	17.61	17.58	17.40	18.5				
		1	49	17.75	17.68	17.41	18.5				
		25	0	16.67	16.58	16.27	17.5				
		25	12	16.58	16.57	16.51	17.5				
		25	25	16.68	16.64	16.57	17.5				
280M	SC-FDM	50	0	16.55	16.41	16.47	17.5				
		1	0	14.58	14.62	14.58	15.5				
		1	24	14.38	14.60	14.45	15.5				
		1	49	14.68	14.41	14.48	15.5				
		25	0	14.43	14.48	14.43	15.5				
		25	12	14.58	14.59	14.45	15.5				
		25	25	14.59	14.52	14.42	15.5				
		50	0	14.51	14.65	14.40	15.5				

LTE Band 66 (Ant2)											
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-avg. (MHz)				
		Channel	Frequency (MHz)	12072	12072	12072		792	792	792	
GSM	QPSK	1	0	20.66	20.58	20.58	22				
		1	50	20.57	20.46	20.51	22				
		1	99	20.59	20.55	20.48	22				
		50	0	19.69	19.59	19.44	21				
		50	25	19.64	19.44	19.44	21				
		50	50	19.55	19.52	19.43	21				
		100	0	19.62	19.41	19.40	21				
		1	50	19.40	19.33	19.44	21				
		1	50	19.41	19.36	19.46	21				
		1	99	19.43	19.60	19.45	21				
280M	SC-FDM	50	0	18.43	18.43	18.52	20				
		50	25	18.35	18.48	18.24	20				
		50	50	18.41	18.47	18.42	20				
GSM	QPSK	1	0	18.20	18.21	18.30	20				
		1	50	18.15	18.22	18.33	20				
		1	99	18.23	18.26	18.26	20				
		50	25	17.46	17.46	17.46	20				
		50	25	17.41	17.40	17.40	20				
		80	50	17.47	17.44	17.55	19				
		100	0	17.38	17.38	18.31	19				
		1	0	18.29	18.32	18.44	19				
		1	50	18.32	18.34	18.37	19				
		1	99	18.44	18.34	18.43	19				
280M	SC-FDM	50	0	15.46	15.46	15.46	17				
		50	25	15.46	15.46	15.46	17				
		50	50	15.42	15.51	15.41	17				
GSM	QPSK	1	0	15.62	15.59	15.55	17				
		1	50	15.57	15.57	15.57	17				
		100	0	15.62	15.59	15.55	17				
		1	0	15.62	15.59	15.55	17				
		1	37	15.62	15.59	15.55	22				
		1	74	15.68	15.68	15.68	22				
		38	0	19.56	19.58	19.38	21				
		38	19	19.56	19.38	19.38	21				
		38	39	19.43	19.43	19.43	21				
		25	0	19.47	19.26	19.38	21				
GSM	QPSK	1	0	19.28	19.28	19.38	21				
		1	37	19.27	19.49	19.30	21				
		1	74	19.28	19.47	19.38	21				
		38	0	18.29	18.31	18.31	20				
		38	19	18.26	18.37	18.23	20				
		38	39	18.30	18.41	18.34	20				
		25	0	18.46	18.38	18.25	20				
		1	0	18.27	18.35	18.52	20				
		1	37	18.10	18.10	18.20	20				
		1	74	18.13	18.12	18.23	20				
280M	SC-FDM	38	0	17.32	17.39	18.35	19				
		38	19	17.39	17.39	17.39	19				
		38	39	17.38	17.29	18.40	19				
GSM	QPSK	15	0	17.37	17.27	18.36	19				
		1	74	15.31	15.31	15.31	19				
		1	37	15.22	15.24	15.28	19				
		1	74	15.31	15.31	15.31	19				
		38	0	16.42	16.51	16.32	17				
		38	19	15.31	15.41	15.39	17				
		38	39	15.45	15.48	15.48	17				
		15	0	15.52	15.49	15.45	17				
		280M	SC-FDM	38	0	16.42	16.51	16.32	17		
				38	19	15.31	15.41	15.39	17		
38	39			15.45	15.48	15.48	17				

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Channel	372000	376000	380000
				Frequency (MHz)	1860	1880	1900
							Max. Tune-up (dBm)
20M	DFT-s-OFDM P/V2 BPSK	1	1	23.33	23.30	23.33	24.5
		1	53	23.24	23.33	23.24	24.5
		1	104	23.23	23.29	23.12	24.5
		50	0	23.36	23.35	23.34	24.5
		50	28	23.35	23.30	23.38	24.5
		50	56	23.38	23.33	23.32	24.5
	DFT-s-OFDM QPSK	100	0	23.37	23.31	23.37	24.5
		1	1	23.38	23.39	23.37	24.5
		1	53	23.26	23.37	23.36	24.5
		1	104	23.25	23.29	23.28	24.5
		50	0	22.82	22.92	22.84	23.5
		50	28	23.33	23.37	23.36	24.5
	DFT-s-OFDM 16QAM	50	56	22.91	22.92	22.84	23.5
		100	0	22.93	22.95	22.90	23.5
		1	1	21.94	22.86	22.97	23.5
		1	1	21.39	21.57	20.95	22.5
		1	1	19.38	18.84	18.82	20.5
		1	1	19.38	18.84	18.82	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	23.34	23.32	23.36	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.32	23.35	23.34	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	23.31	23.33	23.35	24.5

n2 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Channel	372000	376000	380000
				Frequency (MHz)	1860	1880	1900
							Max. Tune-up (dBm)
20M	DFT-s-OFDM P/V2 BPSK	1	1	18.99	19.02	18.88	20
		1	53	18.93	19.05	19.07	20
		1	104	19.02	19.04	19.02	20
		50	0	18.39	18.47	18.36	20
		50	28	19.01	18.91	18.87	20
		50	56	18.45	18.44	18.34	20
	DFT-s-OFDM QPSK	100	0	18.37	18.58	18.31	20
		1	1	19.05	19.09	19.08	20
		1	53	18.98	18.99	18.94	20
		1	104	18.97	18.98	18.95	20
		50	0	18.03	17.90	17.86	19
		50	28	18.92	18.96	18.94	20
	DFT-s-OFDM 16QAM	50	56	17.93	17.82	17.98	19
		100	0	17.95	17.99	17.91	19
		1	1	18.19	18.17	18.00	19
		1	1	16.65	16.75	16.51	18
		1	1	14.61	14.74	14.55	16
		1	1	14.61	14.74	14.55	16
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	19.00	18.97	18.98	20
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	19.02	18.96	18.99	20
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	18.94	19.00	19.03	20

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/V2 BPSK	1	1	23.26	23.27	23.25	24.5
		1	53	23.23	23.35	23.29	24.5
		1	104	23.28	23.29	23.21	24.5
		50	0	23.35	23.40	23.36	24.5
		50	28	23.30	23.44	23.37	24.5
		50	56	23.37	23.42	23.45	24.5
	DFT-s-OFDM QPSK	100	0	23.32	23.47	23.39	24.5
		1	1	23.42	23.48	23.38	24.5
		1	53	23.32	23.33	23.32	24.5
		1	104	23.41	23.44	23.36	24.5
		50	0	23.37	23.45	23.33	24.5
		50	28	23.41	23.47	23.39	24.5
	DFT-s-OFDM 16QAM	50	56	23.32	23.39	23.38	24.5
		100	0	23.42	23.46	23.43	24.5
		1	1	23.46	23.44	23.45	24.5
		1	1	21.38	21.49	21.50	22.5
		1	1	19.32	19.41	19.34	20.5
		1	1	19.32	19.41	19.34	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	23.40	23.32	23.39	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	23.41	23.34	23.35	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	23.38	23.34	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/V2 BPSK	1	1	23.66	23.76	23.77	24.5
		1	108	23.69	23.58	23.71	24.5
		1	214	23.73	23.62	23.77	24.5
		108	0	23.01	23.04	22.95	24
		108	54	23.61	23.56	23.73	24.5
		108	108	22.95	22.93	22.73	24
	DFT-s-OFDM QPSK	216	0	22.92	22.97	22.88	24
		1	1	23.68	23.79	23.76	24.5
		1	108	23.58	23.62	23.73	24.5
		1	214	23.62	23.72	23.61	24.5
		108	0	22.97	22.94	23.02	24
		108	54	23.48	23.67	23.59	24.5
	DFT-s-OFDM 16QAM	108	108	22.91	22.97	22.82	24
		216	0	22.88	23.02	22.86	24
		1	1	23.09	23.18	23.07	24
		1	1	20.95	21.03	20.99	22
		1	1	18.72	18.71	18.70	20
		1	1	18.72	18.71	18.70	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.65	23.73	23.53	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	23.64	23.69	23.55	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.62	23.59	23.56	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	23.61	23.63	23.54	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.66	23.66	23.50	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	23.64	23.71	23.52	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	21.39	21.32	21.30	22
		1	108	21.34	21.38	21.35	22
		1	214	21.38	21.29	21.38	22
		108	0	20.90	20.97	20.91	21.5
		108	54	21.32	21.37	21.36	22
		108	108	20.92	20.89	20.85	21.5
		216	0	20.98	20.91	20.89	21.5
		1	1	21.42	21.51	21.43	22
	DFT-s-OFDM QPSK	1	108	21.39	21.40	21.36	22
		1	214	21.38	21.33	21.37	22
		108	0	20.47	20.50	20.36	21.5
		108	54	21.36	21.38	21.35	22
		108	108	20.34	20.33	20.35	21.5
		216	0	20.44	20.46	20.40	21.5
	DFT-s-OFDM 16QAM	1	1	20.54	20.55	20.48	21.5
	DFT-s-OFDM 64QAM	1	1	19.08	19.08	19.06	19.5
	DFT-s-OFDM 256QAM	1	1	16.94	16.93	16.88	17.5
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	21.26	21.36	21.41	22
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	21.27	21.26	21.32	22
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	21.25	21.33	21.39	22
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	21.33	21.37	21.39	22
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	21.23	21.36	21.40	22
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	21.33	21.30	21.36	22

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		17.05		18.5
		1	137		16.70		18.5
		1	271		16.86		18.5
		135	0		16.99		18.5
		135	69		16.95		18.5
		135	138		16.80		18.5
		270	0		16.87		18.5
		1	1		17.20		18.5
	DFT-s-OFDM QPSK	1	137		16.88		18.5
		1	271		16.97		18.5
		135	0		17.08		18.5
		135	69		17.18		18.5
		135	138		16.92		18.5
		270	0		17.12		18.5
	DFT-s-OFDM 16QAM	1	1		17.17		18.5
	DFT-s-OFDM 64QAM	1	1		16.95		17.5
	DFT-s-OFDM 256QAM	1	1		15.25		16
BW	MCS Index	Channel		633000	63334	63366	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	17.10	17.14	16.36	18.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	17.14	17.13	16.38	18.5
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	17.13	17.15	16.30	18.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	17.13	17.16	16.35	18.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	17.13	17.18	16.35	18.5
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	17.14	17.13	16.33	18.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	17.07	17.10	16.30	18.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	17.13	17.19	16.43	18.5
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	17.13	17.08	16.36	18.5
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	17.17	17.18	16.31	18.5
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	17.13	17.17	16.42	18.5

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	16.63	16.72	16.70	18.5
		1	137	16.67	16.83	17.01	18.5
		1	271	16.72	16.90	16.58	18.5
		135	0	16.70	16.84	16.89	18.5
		135	69	16.61	16.85	17.16	18.5
		135	138	16.70	16.87	17.22	18.5
	DFT-s-OFDM QPSK	270	0	16.61	16.88	17.07	18.5
		1	1	16.98	17.07	17.23	18.5
		1	137	16.74	17.05	17.12	18.5
		1	271	16.92	16.91	17.22	18.5
		135	0	16.93	16.79	17.10	18.5
		135	69	16.95	17.03	17.12	18.5
	DFT-s-OFDM 16QAM	135	138	16.80	17.01	17.09	18.5
		270	0	16.84	16.88	17.08	18.5
		1	1	16.59	16.67	16.99	18.5
		1	1	16.42	16.33	16.82	17.5
		1	1	14.81	14.73	15.06	16
		1	1	14.81	14.73	15.06	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	16.78	16.71	16.81	18.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	16.80	16.71	16.94	18.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	16.84	16.67	16.84	18.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	16.76	16.73	16.81	18.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	16.76	16.63	16.88	18.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	16.75	16.62	16.82	18.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	16.81	16.63	16.85	18.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	16.84	16.63	16.88	18.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	16.84	16.68	16.89	18.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	16.70	16.65	16.87	18.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	16.73	16.67	16.93	18.5

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		19.91		21.5
		1	137		19.74		21.5
		1	271		19.81		21.5
		135	0		19.45		21
		135	69		19.94		21.5
		135	138		19.24		21
	DFT-s-OFDM QPSK	270	0		19.40		21
		1	1		20.10		21.5
		1	137		19.78		21.5
		1	271		19.77		21.5
		135	0		18.85		20.5
		135	69		19.86		21.5
	DFT-s-OFDM 16QAM	135	138		18.73		20.5
		270	0		18.80		20.5
		1	1		18.98		20.5
		1	1		17.28		18
		1	1		15.07		16
		1	1		15.07		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	19.75	19.87	19.76	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	19.65	19.92	19.69	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	19.78	19.85	19.73	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	19.72	19.92	19.77	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	19.77	19.84	19.80	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	19.77	19.93	19.72	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	19.78	19.92	19.79	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	19.77	19.82	19.67	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	19.67	19.89	19.68	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	19.69	19.87	19.77	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	19.75	19.94	19.67	21.5

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	19.81	19.75	19.85	21.5
		1	137	19.69	19.77	20.06	21.5
		1	271	19.58	19.93	20.07	21.5
		135	0	19.17	19.17	19.51	21
		135	69	19.63	19.87	20.03	21.5
		135	138	19.20	19.38	19.61	21
		270	0	19.16	19.30	19.57	21
	DFT-s-OFDM QPSK	1	1	20.02	20.05	20.16	21.5
		1	137	19.76	19.88	20.04	21.5
		1	271	19.64	20.00	20.03	21.5
		135	0	18.72	18.85	19.06	20.5
		135	69	19.68	19.92	20.09	21.5
		135	138	18.64	18.93	19.15	20.5
		270	0	18.64	18.77	19.08	20.5
	DFT-s-OFDM 16QAM	1	1	18.66	18.90	18.92	20.5
	DFT-s-OFDM 64QAM	1	1	16.82	16.83	16.91	18
	DFT-s-OFDM 256QAM	1	1	14.56	14.66	14.95	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	19.74	19.56	19.98	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	19.82	19.58	19.87	21.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	19.77	19.55	19.90	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	19.83	19.45	19.91	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	19.73	19.55	19.93	21.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	19.86	19.51	19.95	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	19.75	19.56	19.94	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	19.86	19.52	19.90	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	19.73	19.48	19.95	21.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	19.87	19.58	19.98	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	19.87	19.44	19.91	21.5

CA 4B (Ant2)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power
20450	829	20549	838.9	QPSK	1	49	1	0	1	2476	25.5
				16QAM	1	49	1	0	1	2392	24.5
				64QAM	1	49	1	0	1	2301	23.5
				256QAM	1	49	1	0	1	1973	20.5
20478	831.6	20575	841.5	QPSK	1	49	1	0	2473	25.5	
				16QAM	1	49	1	0	1	2393	24.5
				64QAM	1	49	1	0	1	2304	23.5
				256QAM	1	49	1	0	1	1982	20.5
20501	834.1	20600	844	QPSK	1	49	1	0	2462	25.5	
				16QAM	1	49	1	0	1	2381	24.5
				64QAM	1	49	1	0	1	2325	23.5
				256QAM	1	49	1	0	1	1978	20.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power
20450	829	20522	836.2	QPSK	1	49	1	0	1	2485	25.5
				16QAM	1	49	1	0	1	2381	24.5
				64QAM	1	49	1	0	1	2248	23.5
				256QAM	1	49	1	0	1	1949	20.5
20500	834	20572	841.2	QPSK	1	49	1	0	2453	25.5	
				16QAM	1	49	1	0	1	2433	24.5
				64QAM	1	49	1	0	1	2337	23.5
				256QAM	1	49	1	0	1	1963	20.5
20550	839	20622	846.2	QPSK	1	49	1	0	2446	25.5	
				16QAM	1	49	1	0	1	2370	24.5
				64QAM	1	49	1	0	1	2213	23.5
				256QAM	1	49	1	0	1	1954	20.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power
20428	826.8	20500	834	QPSK	1	24	1	0	1	2454	25.5
				16QAM	1	24	1	0	1	2352	24.5
				64QAM	1	24	1	0	1	2225	23.5
				256QAM	1	24	1	0	1	1980	20.5
20478	831.8	20550	839	QPSK	1	24	1	0	2455	25.5	
				16QAM	1	24	1	0	1	2376	24.5
				64QAM	1	24	1	0	1	2236	23.5
				256QAM	1	24	1	0	1	1981	20.5
20528	836.8	20600	844	QPSK	1	24	1	0	2449	25.5	
				16QAM	1	24	1	0	1	2370	24.5
				64QAM	1	24	1	0	1	2210	23.5
				256QAM	1	24	1	0	1	1953	20.5
Combination 5MHz+3MHz (25RB+15RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power
20425	826.5	20464	830.4	QPSK	1	24	1	0	1	2448	25.5
				16QAM	1	24	1	0	1	2357	24.5
				64QAM	1	24	1	0	1	2232	23.5
				256QAM	1	24	1	0	1	1942	20.5
20510	835	20549	838.9	QPSK	1	24	1	0	2441	25.5	
				16QAM	1	24	1	0	1	2378	24.5
				64QAM	1	24	1	0	1	2225	23.5
				256QAM	1	24	1	0	1	1985	20.5
20595	843.5	20634	847.4	QPSK	1	24	1	0	2433	25.5	
				16QAM	1	24	1	0	1	2376	24.5
				64QAM	1	24	1	0	1	2204	23.5
				256QAM	1	24	1	0	1	1946	20.5
Combination 3MHz+5MHz (15RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power
20416	825.6	20455	829.5	QPSK	1	14	1	0	1	2437	25.5
				16QAM	1	14	1	0	1	2357	24.5
				64QAM	1	14	1	0	1	2254	23.5
				256QAM	1	14	1	0	1	1945	20.5
20501	834.1	20540	838	QPSK	1	14	1	0	2435	25.5	
				16QAM	1	14	1	0	1	2365	24.5
				64QAM	1	14	1	0	1	2228	23.5
				256QAM	1	14	1	0	1	1957	20.5
20586	842.6	20625	846.5	QPSK	1	14	1	0	2428	25.5	
				16QAM	1	14	1	0	1	2366	24.5
				64QAM	1	14	1	0	1	2210	23.5
				256QAM	1	14	1	0	1	1948	20.5

CA 66B (Ant1)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132022	1715	132121	1724.9	QPSK	1	49	1	0	1	24.13	24.5
				16QAM	1	49	1	0	1	21.34	22.5
				64QAM	1	49	1	0	1	23.69	23.5
				256QAM	1	49	1	0	1	19.17	19.5
132373	1750.1	132472	1760	QPSK	1	49	1	0	1	23.01	24.5
				16QAM	1	49	1	0	1	23.23	23.5
				64QAM	1	49	1	0	1	21.78	22.5
				256QAM	1	49	1	0	1	19.04	19.5
132523	1765.1	132622	1775	QPSK	1	49	1	0	1	23.83	24.5
				16QAM	1	49	1	0	1	21.34	23.5
				64QAM	1	49	1	0	1	21.68	22.5
				256QAM	1	49	1	0	1	19.07	19.5
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132047	1717.5	132140	1726.8	QPSK	1	74	1	0	1	23.97	24.5
				16QAM	1	74	1	0	1	23.27	23.5
				64QAM	1	74	1	0	1	21.57	22.5
				256QAM	1	74	1	0	1	19.07	19.5
132398	1752.6	132491	1761.9	QPSK	1	74	1	0	1	23.89	24.5
				16QAM	1	74	1	0	1	21.22	23.5
				64QAM	1	74	1	0	1	23.65	22.5
				256QAM	1	74	1	0	1	19.03	19.5
132549	1767.7	132642	1777	QPSK	1	74	1	0	1	23.80	24.5
				16QAM	1	74	1	0	1	23.09	23.5
				64QAM	1	74	1	0	1	21.65	22.5
				256QAM	1	74	1	0	1	19.03	19.5
Combination 5MHz+15MHz (25RB+75RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132002	1713	132095	1722.3	QPSK	1	24	1	0	1	24.01	24.5
				16QAM	1	24	1	0	1	23.21	23.5
				64QAM	1	24	1	0	1	21.59	22.5
				256QAM	1	24	1	0	1	19.02	19.5
132353	1748.1	132446	1757.4	QPSK	1	24	1	0	1	23.82	24.5
				16QAM	1	24	1	0	1	23.15	23.5
				64QAM	1	24	1	0	1	21.77	22.5
				256QAM	1	24	1	0	1	18.92	19.5
132504	1763.2	132597	1772.5	QPSK	1	24	1	0	1	23.71	24.5
				16QAM	1	24	1	0	1	23.13	23.5
				64QAM	1	24	1	0	1	21.60	22.5
				256QAM	1	24	1	0	1	18.99	19.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132022	1715	132094	1722.2	QPSK	1	49	1	0	1	23.84	24.5
				16QAM	1	49	1	0	1	23.17	23.5
				64QAM	1	49	1	0	1	21.62	22.5
				256QAM	1	49	1	0	1	19.00	19.5
132397	1752.5	132489	1759.7	QPSK	1	49	1	0	1	23.86	24.5
				16QAM	1	49	1	0	1	23.05	23.5
				64QAM	1	49	1	0	1	21.70	22.5
				256QAM	1	49	1	0	1	18.86	19.5
132572	1770	132644	1777.2	QPSK	1	49	1	0	1	23.56	24.5
				16QAM	1	49	1	0	1	22.99	23.5
				64QAM	1	49	1	0	1	21.63	22.5
				256QAM	1	49	1	0	1	18.91	19.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132000	1712.8	132072	1720	QPSK	1	24	1	0	1	23.85	24.5
				16QAM	1	24	1	0	1	23.11	23.5
				64QAM	1	24	1	0	1	21.54	22.5
				256QAM	1	24	1	0	1	19.01	19.5
132375	1750.3	132447	1757.5	QPSK	1	24	1	0	1	23.02	24.5
				16QAM	1	24	1	0	1	23.14	23.5
				64QAM	1	24	1	0	1	21.58	22.5
				256QAM	1	24	1	0	1	18.85	19.5
132550	1767.8	132622	1775	QPSK	1	24	1	0	1	23.63	24.5
				16QAM	1	24	1	0	1	23.00	23.5
				64QAM	1	24	1	0	1	21.50	22.5
				256QAM	1	24	1	0	1	18.86	19.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
131997	1712.5	132045	1717.3	QPSK	1	24	1	0	1	23.89	24.5
				16QAM	1	24	1	0	1	23.19	23.5
				64QAM	1	24	1	0	1	21.55	22.5
				256QAM	1	24	1	0	1	18.92	19.5
132398	1777.5	132446	1782.3	QPSK	1	24	1	0	1	23.77	24.5
				16QAM	1	24	1	0	1	23.12	23.5
				64QAM	1	24	1	0	1	21.66	22.5
				256QAM	1	24	1	0	1	18.77	19.5
132599	1772.7	132647	1777.5	QPSK	1	24	1	0	1	23.55	24.5
				16QAM	1	24	1	0	1	22.87	23.5
				64QAM	1	24	1	0	1	21.63	22.5
				256QAM	1	24	1	0	1	18.88	19.5

CA_66C (Ant1)										
Combination 20MHz+20MHz (100RB+100RB)										
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		
132072	1720	132270	1739.8	QPSK	1	99	1	0	23.91	24.5
				16QAM	1	99	1	0	23.26	23.5
				64QAM	1	99	1	0	21.31	22.5
				256QAM	1	99	1	0	18.99	19.5
132323	1745.1	132521	1764.9	QPSK	1	99	1	0	24.00	24.5
				16QAM	1	99	1	0	23.07	23.5
				64QAM	1	99	1	0	21.71	22.5
				256QAM	1	99	1	0	18.99	19.5
132374	1750.2	132572	1770	QPSK	1	99	1	0	23.86	24.5
				16QAM	1	99	1	0	23.05	23.5
				64QAM	1	99	1	0	21.17	22.5
				256QAM	1	99	1	0	18.94	19.5
Combination 20MHz+15MHz (100RB+75RB)										
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		
132072	1720	132243	1737.1	QPSK	1	99	1	0	23.79	24.5
				16QAM	1	99	1	0	23.14	23.5
				64QAM	1	99	1	0	21.19	22.5
				256QAM	1	99	1	0	18.96	19.5
132346	1747.6	132519	1764.7	QPSK	1	99	1	0	23.77	24.5
				16QAM	1	99	1	0	22.98	23.5
				64QAM	1	99	1	0	21.65	22.5
				256QAM	1	99	1	0	18.96	19.5
132423	1756.1	132594	1772.2	QPSK	1	99	1	0	23.85	24.5
				16QAM	1	99	1	0	22.96	23.5
				64QAM	1	99	1	0	21.10	22.5
				256QAM	1	99	1	0	18.96	19.5
Combination 15MHz+20MHz (75RB+100RB)										
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		
132060	1717.8	132221	1734.9	QPSK	1	74	1	0	23.83	24.5
				16QAM	1	74	1	0	23.17	23.5
				64QAM	1	74	1	0	21.25	22.5
				256QAM	1	74	1	0	18.88	19.5
132325	1745.3	132496	1762.4	QPSK	1	74	1	0	23.83	24.5
				16QAM	1	74	1	0	23.02	23.5
				64QAM	1	74	1	0	21.64	22.5
				256QAM	1	74	1	0	18.90	19.5
132401	1752.9	132572	1770	QPSK	1	74	1	0	23.81	24.5
				16QAM	1	74	1	0	22.95	23.5
				64QAM	1	74	1	0	21.16	22.5
				256QAM	1	74	1	0	18.79	19.5
Combination 20MHz+10MHz (100RB+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		
132072	1720	132216	1734.4	QPSK	1	99	1	0	23.85	24.5
				16QAM	1	99	1	0	23.30	23.5
				64QAM	1	99	1	0	21.63	22.5
				256QAM	1	99	1	0	19.10	19.5
132373	1750.1	132517	1764.5	QPSK	1	99	1	0	23.79	24.5
				16QAM	1	99	1	0	23.24	23.5
				64QAM	1	99	1	0	21.69	22.5
				256QAM	1	99	1	0	19.04	19.5
132473	1760.1	132617	1774.5	QPSK	1	99	1	0	23.74	24.5
				16QAM	1	99	1	0	23.15	23.5
				64QAM	1	99	1	0	21.58	22.5
				256QAM	1	99	1	0	19.03	19.5
Combination 10MHz+20MHz (50RB+100RB)										
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		
132027	1715.5	132171	1729.9	QPSK	1	49	1	0	23.69	24.5
				16QAM	1	49	1	0	23.19	23.5
				64QAM	1	49	1	0	21.55	22.5
				256QAM	1	49	1	0	19.04	19.5
132326	1745.6	132472	1760	QPSK	1	49	1	0	23.66	24.5
				16QAM	1	49	1	0	23.09	23.5
				64QAM	1	49	1	0	21.62	22.5
				256QAM	1	49	1	0	18.91	19.5
132426	1756.6	132572	1770	QPSK	1	49	1	0	23.60	24.5
				16QAM	1	49	1	0	22.90	23.5
				64QAM	1	49	1	0	21.54	22.5
				256QAM	1	49	1	0	18.91	19.5
Combination 15MHz+15MHz (75RB+75RB)										
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		
132047	1717.5	132197	1732.5	QPSK	1	74	1	0	23.92	24.5
				16QAM	1	74	1	0	23.29	23.5
				64QAM	1	74	1	0	21.52	22.5
				256QAM	1	74	1	0	19.15	19.5
132347	1747.5	132497	1762.5	QPSK	1	74	1	0	23.65	24.5
				16QAM	1	74	1	0	23.05	23.5
				64QAM	1	74	1	0	21.56	22.5
				256QAM	1	74	1	0	18.99	19.5
132447	1757.5	132597	1772.5	QPSK	1	74	1	0	23.65	24.5
				16QAM	1	74	1	0	22.98	23.5
				64QAM	1	74	1	0	21.61	22.5
				256QAM	1	74	1	0	18.91	19.5
Combination 15MHz+10MHz (75RB+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		
132047	1717.5	132167	1729.5	QPSK	1	74	1	0	23.85	24.5
				16QAM	1	74	1	0	23.18	23.5
				64QAM	1	74	1	0	21.42	22.5
				256QAM	1	74	1	0	18.92	19.5
132373	1750.1	132493	1762.1	QPSK	1	74	1	0	23.61	24.5
				16QAM	1	74	1	0	23.00	23.5
				64QAM	1	74	1	0	21.57	22.5
				256QAM	1	74	1	0	18.96	19.5
132496	1762.7	132619	1774.7	QPSK	1	74	1	0	23.58	24.5
				16QAM	1	74	1	0	23.00	23.5
				64QAM	1	74	1	0	21.53	22.5
				256QAM	1	74	1	0	18.86	19.5
Combination 10MHz+15MHz (50RB+75RB)										
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		
132025	1715.3	132145	1727.3	QPSK	1	49	1	0	23.96	24.5
				16QAM	1	49	1	0	23.15	23.5
				64QAM	1	49	1	0	21.37	22.5
				256QAM	1	49	1	0	18.93	19.5
132351	1747.9	132471	1759.9	QPSK	1	49	1	0	23.67	24.5
				16QAM	1	49	1	0	22.97	23.5
				64QAM	1	49	1	0	21.43	22.5
				256QAM	1	49	1	0	18.94	19.5
132477	1760.5	132597	1772.5	QPSK	1	49	1	0	23.55	24.5
				16QAM	1	49	1	0	22.92	23.5
				64QAM	1	49	1	0	21.49	22.5
				256QAM	1	49	1	0	18.99	19.5
Combination 20MHz+5MHz (100RB+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		
132072	1720	132189	1731.7	QPSK	1	99	1	0	23.95	24.5
				16QAM	1	99	1	0	23.18	23.5
				64QAM	1	99	1	0	21.41	22.5
				256QAM	1	99	1	0	18.93	19.5
132397	1752.5	132514	1764.2	QPSK	1	99	1	0	23.66	24.5
				16QAM	1	99	1	0	22.99	23.5
				64QAM	1	99	1	0	21.50	22.5
				256QAM	1	99	1	0	18.91	19.5
132522	1766	132639	1776.7	QPSK	1	99	1	0	23.41	24.5
				16QAM	1	99	1	0	22.29	23.5
				64QAM	1	99	1	0	21.48	22.5
				256QAM	1	99	1	0	18.86	19.5
Combination 5MHz+20MHz (25RB+100RB)										
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		
132005	1713.3	132122	1725	QPSK	1	24	1	0	23.87	24.5
				16QAM	1	24	1	0	23.18	23.5
				64QAM	1	24	1	0	21.38	22.5
				256QAM	1	24	1	0	18.89	19.5
132330	1745.8	132447	1757.5	QPSK	1	24	1	0	23.93	24.5
				16QAM	1	24	1	0	23.05	23.5
				64QAM	1	24	1	0	21.46	22.5
				256QAM	1	24	1	0	18.85	19.5
132455	1758.3	132572	1770	QPSK	1	24	1	0	23.81	24.5
				16QAM	1	24	1	0	22.90	23.5
				64QAM	1	24	1	0	21.44	22.5
				256QAM	1	24	1	0	18.89	19.5

Receiver Off, DSH_ENDC

LTE Band 2 (Ann1)									
BW	Modulation	RB Size		RB Offset		Low		High	
		Channel	1920	1980	1980	1980	1980	1980	Max. Throughput (Mbps)
CPSC	QPSK	1	0	23.51	23.55	23.42	24.5	24.5	24.5
		1	50	23.50	23.51	23.41	24.5	24.5	24.5
		1	50	23.42	23.43	23.39	24.5	24.5	24.5
		50	0	22.45	22.46	22.41	23.5	23.5	23.5
		50	50	22.46	22.47	22.42	23.5	23.5	23.5
		50	50	22.48	22.49	22.47	23.5	23.5	23.5
		100	0	22.41	22.42	22.40	23.5	23.5	23.5
		100	0	22.44	22.45	22.43	23.5	23.5	23.5
		1	50	22.74	22.75	22.69	23.5	23.5	23.5
		1	50	22.71	22.73	22.65	23.5	23.5	23.5
10M	16QAM	50	24.41	24.43	24.43	24.5	24.5	24.5	24.5
		50	25	21.47	21.43	21.42	24.5	24.5	24.5
		50	50	21.45	21.54	21.44	22.5	22.5	22.5
		1	0	21.54	21.52	21.55	22.5	22.5	22.5
		1	50	21.52	21.55	21.42	22.5	22.5	22.5
		1	50	21.48	21.51	21.50	22.5	22.5	22.5
		50	0	20.44	20.49	20.48	21.5	21.5	21.5
		50	50	20.47	20.54	20.51	21.5	21.5	21.5
		100	0	20.46	20.48	20.48	21.5	21.5	21.5
		100	0	20.47	20.49	20.47	21.5	21.5	21.5
20M	64QAM	1	50	18.46	18.55	18.46	19.5	19.5	19.5
		1	50	18.58	18.64	18.47	19.5	19.5	19.5
		50	18.43	18.43	18.43	19.5	19.5	19.5	19.5
		50	25	18.52	18.45	18.42	19.5	19.5	19.5
		50	50	18.54	18.46	18.43	19.5	19.5	19.5
		100	0	18.57	18.55	18.55	19.5	19.5	19.5
30M	256QAM	Channel	1980	1980	1980	1980	1980	1980	Max. Throughput (Mbps)
		Frequency (MHz)	1987.5	1985	1985	1985.5	1985.5	1985.5	Max. Throughput (Mbps)
		1	37	23.36	23.43	23.12	24.5	24.5	24.5
		1	74	23.32	23.19	23.31	24.5	24.5	24.5
		38	0	22.28	22.28	22.28	23.5	23.5	23.5
		38	38	22.28	22.28	22.17	23.5	23.5	23.5
		38	38	22.42	22.25	22.30	23.5	23.5	23.5
		75	0	22.34	22.22	22.43	23.5	23.5	23.5
		1	0	22.42	22.62	22.42	23.5	23.5	23.5
		1	37	22.47	22.55	22.41	23.5	23.5	23.5
40M	64QAM	25	74	22.44	22.45	22.52	23.5	23.5	23.5
		38	0	21.22	21.18	21.25	22.5	22.5	22.5
		38	38	21.44	21.33	21.39	22.5	22.5	22.5
		38	38	21.25	21.44	21.30	22.5	22.5	22.5
		75	0	21.32	21.21	21.30	22.5	22.5	22.5
		1	0	21.44	21.46	21.45	22.5	22.5	22.5
		1	37	21.45	21.51	21.52	22.5	22.5	22.5
		1	74	21.34	21.57	21.38	22.5	22.5	22.5
		38	0	20.25	20.20	20.28	21.5	21.5	21.5
		38	38	20.44	20.34	20.36	21.5	21.5	21.5
50M	256QAM	75	0	20.25	20.35	20.30	21.5	21.5	21.5
		75	0	18.36	18.58	18.52	19.5	19.5	19.5
		1	74	18.52	18.35	18.41	19.5	19.5	19.5
		38	0	18.36	18.34	18.33	19.5	19.5	19.5
		38	38	18.46	18.40	18.40	19.5	19.5	19.5
		38	38	18.52	18.31	18.41	19.5	19.5	19.5
		75	0	18.46	18.38	18.47	19.5	19.5	19.5
60M	256QAM	Channel	1980	1980	1980	1980	1980	1980	Max. Throughput (Mbps)
		Frequency (MHz)	1987.5	1985	1985	1985.5	1985.5	1985.5	Max. Throughput (Mbps)
		1	0	23.38	23.42	23.21	24.5	24.5	24.5
		1	48	23.26	23.26	23.36	24.5	24.5	24.5
		25	0	22.32	22.28	22.28	23.5	23.5	23.5
		25	25	22.35	22.22	22.34	23.5	23.5	23.5
		50	0	22.32	22.31	22.28	23.5	23.5	23.5
		1	24	22.62	22.54	22.48	23.5	23.5	23.5
		1	49	22.49	22.35	22.47	23.5	23.5	23.5
		1	21.25	21.28	21.36	22.5	22.5	22.5	22.5
70M	256QAM	25	12	21.29	21.18	21.19	22.5	22.5	22.5
		25	25	21.30	21.35	21.36	22.5	22.5	22.5
		50	0	21.39	21.37	21.37	22.5	22.5	22.5
		1	0	21.37	21.44	21.44	22.5	22.5	22.5
		1	24	21.37	21.55	21.38	22.5	22.5	22.5
		1	48	21.37	21.57	21.40	22.5	22.5	22.5
		25	0	20.21	20.23	20.31	21.5	21.5	21.5
		25	25	20.33	20.26	20.34	21.5	21.5	21.5
		50	0	20.25	20.36	20.23	21.5	21.5	21.5
		50	50	18.42	18.45	18.55	19.5	19.5	19.5
80M	256QAM	1	24	18.32	18.45	18.31	19.5	19.5	19.5
		1	49	18.45	18.36	18.41	19.5	19.5	19.5
		25	0	18.32	18.35	18.28	19.5	19.5	19.5
		25	12	18.39	18.41	18.28	19.5	19.5	19.5
		25	25	18.47	18.41	18.42	19.5	19.5	19.5
		50	0	18.55	18.35	18.49	19.5	19.5	19.5
90M	256QAM	Channel	1980	1980	1980	1980	1980	1980	Max. Throughput (Mbps)
		Frequency (MHz)	1987.5	1985	1985	1985.5	1985.5	1985.5	Max. Throughput (Mbps)
		1	12	23.25	23.35	23.11	24.5	24.5	24.5
		1	24	23.35	23.22	23.27	24.5	24.5	24.5
		12	0	22.35	22.28	22.24	23.5	23.5	23.5
		12	6	22.34	22.17	22.31	23.5	23.5	23.5
		12	13	22.36	22.25	22.28	23.5	23.5	23.5
		25	0	22.33	22.22	22.37	23.5	23.5	23.5
		7	0	22.43	22.68	22.38	23.5	23.5	23.5
		1	24	22.49	22.35	22.49	23.5	23.5	23.5
100M	256QAM	12	0	21.32	21.33	21.35	22.5	22.5	22.5
		12	13	21.32	21.35	21.37	22.5	22.5	22.5
		25	0	21.39	21.36	21.39	22.5	22.5	22.5
		1	12	21.44	21.53	21.54	22.5	22.5	22.5
		1	24	21.27	21.55	21.59	22.5	22.5	22.5
		12	0	20.24	20.28	20.27	21.5	21.5	21.5
		12	6	20.36	20.28	20.33	21.5	21.5	21.5
		12	13	20.37	20.27	20.31	21.5	21.5	21.5
		25	0	18.25	18.35	18.37	19.5	19.5	19.5
		25	25	18.47	18.45	18.49	19.5	19.5	19.5
120M	256QAM	Channel	1980	1980	1980	1980	1980	1980	Max. Throughput (Mbps)
		Frequency (MHz)	1987.5	1985	1985	1985.5	1985.5	1985.5	Max. Throughput (Mbps)
		1	0	23.29	23.41	23.18	24.5	24.5	24.5
		1	14	23.41	23.26	23.34	24.5	24.5	24.5
		8	0	22.38	22.23	22.26	23.5	23.5	23.5
		8	8	22.44	22.15	22.45	23.5	23.5	23.5
		6	7	22.42	22.24	22.41	23.5	23.5	23.5
		15	0	22.38	22.25	22.32	23.5	23.5	23.5
		1	7	22.89	22.67	22.54	23.5	23.5	23.5
		1	14	22.46	22.35	22.59	23.5	23.5	23.5
140M	256QAM	1	0	21.18	21.35	21.35	22.5	22.5	22.5
		6	3	21.35	21.25	21.23	22.5	22.5	22.5
		15	0	21.28	21.25	21.34	22.5	22.5	22.5
		1	0	21.44	21.42	21.40	22.5	22.5	22.5
		1	14	21.35	21.59	21.41	22.5	22.5	22.5
		8	0	20.25	20.27	20.29	21.5	21.5	21.5
		8	8	20.34	20.30	20.39	21.5	21.5	21.5
		6	7	20.33	20.31	20.30	21.5	21.5	21.5
		15	0	20.22	20.23	20.25	21.5	21.5	21.5
		1	7	18.37	18.47	18.44	19.5	19.5	19.5
160M	256QAM	1	14	18.41	18.37	18.36	19.5	19.5	19.5
		1	14	18.42	18.34	18.34	19.5	19.5	19.5
		8	3	18.39	18.30	18.29	19.5	19.5	19.5
		7	16	18.47	18.41	18.41	19.5	19.5	19.5
		15	0	18.50	18.48	18.52	19.5	19.5	19.5
180M	256QAM	Channel	1980	1980	1980	1980	1980	1980	Max. Throughput (Mbps)
		Frequency (MHz)	1987.5	1985	1985	1985.5	1985.5	1985.5	Max. Throughput (Mbps)
		1	0	23.37	23.37	23.29	24.5	24.5	24.5
		1	2	23.33	23.35	23.12	24.5	24.5	24.5
		1	5	23.67	23				

LTE Band 4 (Ant1)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Throughput (Mbps)		
		Channel Frequency (MHz)	2005	2015	2035	2055	Max. Throughput (Mbps)		
20M	CPSC	1	0	22.07	22.98	23.07	24.5		
		1	50	22.03	22.92	23.03	24.5		
		1	99	22.05	22.97	23.07	24.5		
		50	0	21.99	22.61	22.62	23.5		
		50	50	21.99	22.61	22.61	23.5		
		100	0	21.99	21.89	21.93	23.5		
		100	50	21.99	21.89	21.93	23.5		
		1	50	21.94	21.74	21.75	23.5		
		1	99	21.94	21.76	21.74	23.5		
		50	25	20.96	20.88	20.89	22.5		
10M	SCDMA	50	50	21.71	21.81	21.86	22.5		
		100	0	20.97	20.84	20.77	22.5		
		1	0	20.94	21.29	21.14	22.5		
		1	50	21.12	21.24	21.19	22.5		
		1	99	21.09	21.20	21.14	22.5		
		50	0	19.96	19.91	19.97	21.5		
		50	50	19.97	19.91	19.97	21.5		
		100	0	19.94	19.89	19.88	21.5		
		1	50	17.98	18.05	17.99	19.5		
		1	99	17.91	17.94	17.92	19.5		
5M	SCDMA	50	25	16.92	16.89	16.87	19.5		
		50	50	16.91	16.83	16.81	19.5		
		100	0	16.91	16.83	16.81	19.5		
		1	50	17.98	18.05	17.99	19.5		
		1	99	17.91	17.94	17.92	19.5		
		50	25	16.92	16.89	16.87	19.5		
		50	50	16.91	16.83	16.81	19.5		
		100	0	16.91	16.83	16.81	19.5		
		1	50	17.98	18.05	17.99	19.5		
		1	99	17.91	17.94	17.92	19.5		
20M	CPSC	Channel	2005	2015	2035	2055	Max. Throughput (Mbps)		
		Frequency (MHz)	1703.5	1703.5	1703.5	1703.5	24.5		
		1	0	22.80	22.75	22.67	24.5		
		1	14	22.74	22.78	22.73	24.5		
		36	0	21.76	21.81	21.81	23.5		
		36	18	21.72	21.76	21.84	23.5		
		36	36	21.70	21.75	21.80	23.5		
		72	0	21.64	21.67	21.73	23.5		
		1	0	21.67	21.71	21.76	23.5		
		1	14	21.63	21.67	21.70	23.5		
10M	SCDMA	1	14	21.63	21.63	21.60	23.5		
		36	0	20.71	20.77	20.79	22.5		
		36	18	20.67	20.70	20.75	22.5		
		36	36	20.62	20.62	20.68	22.5		
		72	0	20.52	20.62	20.64	22.5		
		100	0	20.52	20.58	20.64	22.5		
		1	17	21.02	21.04	21.04	22.5		
		1	14	20.96	21.14	20.96	22.5		
		36	0	19.63	19.71	19.65	22.5		
		36	18	19.61	19.63	19.71	21.5		
5M	SCDMA	36	36	19.59	19.59	19.70	21.5		
		72	0	17.98	17.79	17.81	19.5		
		1	14	17.77	17.79	17.81	19.5		
		36	0	17.86	17.86	17.86	19.5		
		36	18	17.86	17.87	17.86	19.5		
		36	36	17.86	17.87	17.86	19.5		
		72	0	17.84	17.88	17.85	19.5		
		1	14	17.77	17.79	17.81	19.5		
		36	0	17.86	17.86	17.86	19.5		
		36	18	17.86	17.87	17.86	19.5		
20M	CPSC	Channel	2005	2015	2035	2055	Max. Throughput (Mbps)		
		Frequency (MHz)	1703.5	1703.5	1703.5	1703.5	24.5		
		1	0	22.73	22.80	22.83	24.5		
		1	12	22.67	22.77	22.78	24.5		
		1	24	22.76	22.80	22.79	24.5		
		12	0	21.68	21.71	21.80	23.5		
		12	6	21.60	21.81	21.89	23.5		
		12	13	21.76	21.82	21.89	23.5		
		12	25	21.75	21.86	21.79	23.5		
		1	0	21.60	21.62	21.73	23.5		
10M	SCDMA	1	24	21.56	21.67	21.59	23.5		
		12	0	20.84	20.86	20.84	22.5		
		12	6	20.84	20.84	20.87	22.5		
		12	13	20.84	20.88	20.88	22.5		
		25	0	20.86	20.70	20.67	22.5		
		1	0	20.77	21.20	20.93	22.5		
		1	12	21.00	21.08	21.08	22.5		
		1	24	20.95	21.12	21.00	22.5		
		12	0	19.91	19.76	19.81	21.5		
		12	6	19.70	19.76	19.81	21.5		
5M	SCDMA	12	13	19.67	19.64	19.62	21.5		
		1	0	17.92	17.79	17.72	19.5		
		1	12	17.87	17.88	17.82	19.5		
		1	24	17.86	17.83	17.85	19.5		
		12	0	17.86	17.86	17.77	19.5		
		12	6	17.86	17.89	17.84	19.5		
		12	13	18.00	17.92	17.86	19.5		
		25	0	17.92	18.00	17.82	19.5		
		50	0	17.92	17.90	17.82	19.5		
		50	50	17.92	17.90	17.82	19.5		
20M	CPSC	Channel	2005	2015	2035	2055	Max. Throughput (Mbps)		
		Frequency (MHz)	1703.5	1703.5	1703.5	1703.5	24.5		
		1	0	22.81	22.88	22.89	24.5		
		1	14	22.76	22.76	22.74	24.5		
		1	27	22.71	22.76	22.74	24.5		
		8	0	21.76	21.76	21.79	23.5		
		8	7	21.76	21.75	21.80	23.5		
		15	0	21.68	21.65	21.70	23.5		
		1	7	21.76	21.47	21.59	23.5		
		1	14	21.60	21.61	21.52	23.5		
10M	SCDMA	8	0	20.82	20.87	20.81	22.5		
		15	0	20.82	20.86	20.82	22.5		
		1	0	20.68	21.23	20.67	22.5		
		1	7	20.60	20.80	21.00	22.5		
		1	14	20.60	21.04	21.02	22.5		
		8	0	19.67	19.62	19.64	21.5		
		8	3	19.73	19.76	19.86	21.5		
		8	7	19.84	19.84	19.98	21.5		
		15	0	19.77	19.87	19.82	21.5		
		1	7	17.86	17.82	17.72	19.5		
5M	SCDMA	1	7	17.86	17.88	17.88	19.5		
		1	14	17.99	17.89	17.79	19.5		
		8	3	17.86	17.89	17.84	19.5		
		8	7	17.91	18.07	17.92	19.5		
		8	7	17.86	17.96	18.00	19.5		
		15	0	17.92	17.90	17.82	19.5		
		15	15	17.92	17.90	17.82	19.5		
		1	0	22.79	22.67	22.69	24.5		
		1	2	22.71	22.85	22.80	24.5		
		1	5	22.71	22.81	22.80	24.5		
3	0	21.81	21.81	21.89	23.5				
3	1	21.81	22.05	22.02	24.5				
3	3	22.82	22.84	22.87	24.5				
3	6	22.82	22.84	22.87	24.5				
10M	SCDMA	1	0	21.84	21.74	21.75	23.5		
		1	2	21.77	21.49	21.66	23.5		
		1	5	21.65	21.50	21.67	23.5		
		3	0	21.85	21.69	21.87	23.5		
		3	1	21.81	21.42	21.63	23.5		
		3	3	21.73	21.61	21.72	23.5		
		6	0	20.96	20.65	20.82	22.5		
		1	0	20.71	21.21	20.88	22.5		
		1	2	20.68	21.00	21.02	22.5		
		1	5	20.65	21.16	21.01	22.5		
5M	SCDMA	3	0	20.94	20.53	20.58	22.5		
		3	1	20.51	20.86	20.87	22.5		
		3	3	20.88	20.67	20.75	22.5		
		3	6	20.72	20.70	20.73	22.5		
		1	2	17.87	17.92	17.86	19.5		
		3	0	18.87	17.91	17.87	19.5		
		3	1	18.87	18.87	18.87	19.5		
		3	3	18.77	18.74	18.79	19.5		
		3	6	18.79	18.75	18.80	19.5		
		3	9	18.83	17.95	17.95	19.5		

Receiver off_DS14_ENDC

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Channel	372000	376000	380000
				Frequency (MHz)	1860	1880	1900
					Max. Tune-up (dBm)		
20M	DFT-s-OFDM Pv2 BPSK	1	1	23.33	23.30	23.33	24.5
		1	53	23.24	23.33	23.24	24.5
		1	104	23.23	23.29	23.12	24.5
		50	0	23.36	23.35	23.34	24.5
		50	28	23.35	23.30	23.38	24.5
		50	56	23.38	23.33	23.32	24.5
	DFT-s-OFDM QPSK	100	0	23.37	23.31	23.37	24.5
		1	1	23.38	23.39	23.37	24.5
		1	53	23.26	23.37	23.36	24.5
		1	104	23.25	23.29	23.28	24.5
		50	0	22.82	22.92	22.84	23.5
		50	28	23.33	23.37	23.36	24.5
	DFT-s-OFDM 16QAM	50	56	22.91	22.92	22.84	23.5
		100	0	22.93	22.95	22.90	23.5
		1	1	21.94	22.86	22.97	23.5
		1	1	21.39	21.57	20.95	22.5
		1	1	19.38	18.84	18.82	20.5
		1	1	19.38	18.84	18.82	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	23.34	23.32	23.36	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.32	23.35	23.34	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	23.31	23.33	23.35	24.5

n2 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Channel	372000	376000	380000
				Frequency (MHz)	1860	1880	1900
					Max. Tune-up (dBm)		
20M	DFT-s-OFDM Pv2 BPSK	1	1	23.42	23.48	23.30	24.5
		1	53	23.41	23.47	23.41	24.5
		1	104	23.37	23.41	23.43	24.5
		50	0	22.87	22.94	22.81	24.5
		50	28	23.46	23.37	23.27	24.5
		50	56	22.92	22.81	22.82	24.5
	DFT-s-OFDM QPSK	100	0	22.84	22.94	22.73	24.5
		1	1	23.46	23.49	23.42	24.5
		1	53	23.44	23.45	23.39	24.5
		1	104	23.32	23.33	23.30	24.5
		50	0	22.37	22.36	22.28	23.5
		50	28	23.40	23.42	23.39	24.5
	DFT-s-OFDM 16QAM	50	56	22.31	22.29	22.37	23.5
		100	0	22.33	22.39	22.34	23.5
		1	1	22.54	22.63	22.45	23.5
		1	1	21.08	21.12	20.98	22.5
		1	1	19.09	19.13	19.01	20.5
		1	1	19.09	19.13	19.01	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	23.41	23.43	23.40	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.40	23.43	23.37	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	23.42	23.44	23.39	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	23.26	23.27	23.25	24.5
		1	53	23.23	23.35	23.29	24.5
		1	104	23.28	23.29	23.21	24.5
		50	0	23.35	23.40	23.36	24.5
		50	28	23.30	23.44	23.37	24.5
		50	56	23.37	23.42	23.45	24.5
	DFT-s-OFDM QPSK	100	0	23.32	23.47	23.39	24.5
		1	1	23.42	23.48	23.38	24.5
		1	53	23.32	23.33	23.32	24.5
		1	104	23.41	23.44	23.36	24.5
		50	0	23.37	23.45	23.33	24.5
		50	28	23.41	23.47	23.39	24.5
	DFT-s-OFDM 16QAM	50	56	23.32	23.39	23.38	24.5
		100	0	23.42	23.46	23.43	24.5
		1	1	23.46	23.44	23.45	24.5
		1	1	21.38	21.49	21.50	22.5
		1	1	19.32	19.41	19.34	20.5
		1	1	19.32	19.41	19.34	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	23.40	23.32	23.39	24.5
BW	MCS Index	Channel		165800	167300	23.38	Max. Tune-up
		Frequency (MHz)		829	836.5	23.38	
10M	DFT-s-OFDM QPSK	1	1	23.41	23.34	23.35	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	23.38	23.34	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	23.66	23.76	23.77	24.5
		1	108	23.69	23.58	23.71	24.5
		1	214	23.73	23.62	23.77	24.5
		108	0	23.01	23.04	22.95	24
		108	54	23.61	23.56	23.73	24.5
		108	108	22.95	22.93	22.73	24
	DFT-s-OFDM QPSK	216	0	22.92	22.97	22.88	24
		1	1	23.68	23.79	23.76	24.5
		1	108	23.58	23.62	23.73	24.5
		1	214	23.62	23.72	23.61	24.5
		108	0	22.97	22.94	23.02	24
		108	54	23.48	23.67	23.59	24.5
	DFT-s-OFDM 16QAM	108	108	22.91	22.97	22.82	24
		216	0	22.88	23.02	22.86	24
		1	1	23.09	23.18	23.07	24
		1	1	20.95	21.03	20.99	22
		1	1	18.72	18.71	18.70	20
		1	1	18.72	18.71	18.70	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.65	23.73	23.53	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	23.64	23.69	23.55	24.5
BW	MCS Index	Channel		23.65	349000	354000	Max. Tune-up
		Frequency (MHz)		23.65	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.62	23.59	23.56	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	23.61	23.63	23.54	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.66	23.66	23.50	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	23.64	23.71	23.52	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/V2 BPSK	1	1	23.71	23.64	23.62	24.5
		1	108	23.66	23.70	23.67	24.5
		1	214	23.70	23.61	23.70	24.5
		108	0	23.22	23.29	23.23	24
		108	54	23.64	23.69	23.68	24.5
		108	108	23.24	23.21	23.17	24
	DFT-s-OFDM QPSK	216	0	23.30	23.23	23.21	24
		1	1	23.74	23.83	23.75	24.5
		1	108	23.71	23.72	23.68	24.5
		1	214	23.70	23.65	23.69	24.5
		108	0	22.79	22.82	22.68	24
		108	54	23.68	23.70	23.67	24.5
	DFT-s-OFDM 16QAM	108	108	22.66	22.65	22.67	24
		216	0	22.76	22.78	22.72	24
		1	1	22.86	22.87	22.80	24
		1	1	21.40	21.40	21.38	22
		1	1	19.26	19.25	19.20	20
		1	1	19.26	19.25	19.20	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.66	23.73	23.74	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	23.67	23.70	23.71	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.69	23.69	23.70	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	23.63	23.72	23.72	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.62	23.71	23.68	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	23.65	23.70	23.65	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/V2 BPSK	1	1		22.91		24.5
		1	137		22.66		24.5
		1	271		22.73		24.5
		135	0		22.84		24.5
		135	69		22.81		24.5
		135	138		22.74		24.5
	DFT-s-OFDM QPSK	270	0		22.79		24.5
		1	1		23.16		24.5
		1	137		22.86		24.5
		1	271		22.89		24.5
		135	0		23.04		24.5
		135	69		23.06		24.5
	DFT-s-OFDM 16QAM	135	138		22.86		24.5
		270	0		22.96		24.5
		1	1		23.15		24.5
		1	1		22.79		23.5
		1	1		21.19		22
		1	1		21.19		22
BW	MCS Index	Channel		633000	63334	63366	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	23.07	23.09	22.67	24.5
BW	MCS Index	Channel		632668	633334	22.92	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	22.92	
80M	DFT-s-OFDM QPSK	1	1	23.05	23.01	22.92	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	22.78	22.91	22.94	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	22.95	22.87	22.95	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	22.94	22.87	22.85	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	22.81	22.93	22.75	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	22.72	22.89	22.82	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	23.09	22.85	22.91	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	23.09	22.95	23.04	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	23.09	23.12	23.09	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	23.02	22.90	22.99	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	22.52	22.66	22.65	24.5
		1	137	22.56	22.75	22.96	24.5
		1	271	22.64	22.87	22.54	24.5
		135	0	22.65	22.70	22.85	24.5
		135	69	22.55	22.77	23.03	24.5
		135	138	22.62	22.75	23.09	24.5
	DFT-s-OFDM QPSK	270	0	22.58	22.77	23.04	24.5
		1	1	22.83	22.92	23.14	24.5
		1	137	22.65	22.91	23.01	24.5
		1	271	22.82	22.90	23.12	24.5
		135	0	22.81	22.74	22.95	24.5
		135	69	22.85	22.95	23.08	24.5
	DFT-s-OFDM 16QAM	135	138	22.77	22.93	23.07	24.5
		270	0	22.79	22.84	22.98	24.5
	DFT-s-OFDM 64QAM	1	1	22.58	22.60	22.94	24.5
		1	1	22.37	22.30	22.67	23.5
	DFT-s-OFDM 256QAM	1	1	20.66	20.65	20.98	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	22.77	22.66	22.90	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	22.78	22.70	23.01	24.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	22.76	22.69	23.06	24.5
BW	MCS Index	Channel		648668	656000	22.98	Max. Tune-up
		Frequency (MHz)		3730.02	3840	22.98	
60M	DFT-s-OFDM QPSK	1	1	22.73	22.76	22.97	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	22.73	22.65	22.98	24.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	22.78	22.56	22.92	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	22.79	22.54	22.79	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	22.80	22.88	22.90	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	22.81	22.91	22.87	24.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	22.76	22.89	22.85	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	22.78	22.72	22.89	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		25.76		27.5
		1	137		25.66		27.5
		1	271		25.68		27.5
		135	0		25.33		27
		135	69		25.77		27.5
		135	138		25.21		27
	DFT-s-OFDM QPSK	270	0		25.27		27
		1	1		25.93		27.5
		1	137		25.71		27.5
		1	271		25.69		27.5
		135	0		24.82		26.5
		135	69		25.76		27.5
	DFT-s-OFDM 16QAM	135	138		24.70		26.5
		270	0		24.72		26.5
	DFT-s-OFDM 64QAM	1	1		24.92		26.5
		1	1		23.19		24
	DFT-s-OFDM 256QAM	1	1		20.96		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	25.72	25.85	25.77	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	25.71	25.77	25.68	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	25.70	25.84	25.87	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	25.75	25.62	25.75	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	25.74	25.88	25.72	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	25.76	25.89	25.70	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	25.81	25.84	25.82	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	25.89	25.75	25.67	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	25.56	25.69	25.66	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	25.67	25.87	25.70	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	25.89	25.83	25.72	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 P1/2 BPSK	1	1	25.77	25.69	25.78	27.5
		1	137	25.65	25.75	25.96	27.5
		1	271	25.53	25.89	26.05	27.5
		135	0	25.12	25.14	25.38	27
		135	69	25.62	25.75	25.99	27.5
		135	138	25.09	25.33	25.57	27
		270	0	25.06	25.23	25.51	27
	DFT-s-OFDM QPSK	1	1	25.87	25.89	26.12	27.5
		1	137	25.75	25.76	25.98	27.5
		1	271	25.54	25.85	25.96	27.5
		135	0	24.65	24.73	24.96	26.5
		135	69	25.54	25.77	25.97	27.5
		135	138	24.53	24.81	25.04	26.5
		270	0	24.55	24.72	24.98	26.5
	DFT-s-OFDM 16QAM	1	1	24.64	24.86	24.88	26.5
	DFT-s-OFDM 64QAM	1	1	22.67	22.76	22.89	24
	DFT-s-OFDM 256QAM	1	1	20.48	20.60	20.82	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	25.82	25.58	25.94	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	25.84	25.59	25.96	27.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	25.86	25.63	25.95	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	25.77	25.83	25.87	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	25.67	25.69	25.88	27.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	25.80	25.91	25.95	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	25.76	25.88	25.94	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	25.87	25.95	25.91	27.5
BW	MCS Index	Channel		647168	656000	25.97	Max. Tune-up
		Frequency (MHz)		3707.52	3840	25.97	
15M	DFT-s-OFDM QPSK	1	1	25.87	25.95	25.94	27.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	25.87	25.90	25.95	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	25.83	25.89	25.76	27.5

Receiver off_DBM_ENDC

CA_B8 (Ant2)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
20450	829	20549	836.9	QPSK	1	49	1	0	1	24.76	25.5
				16QAM	1	49	1	0	1	23.82	24.5
				64QAM	1	49	1	0	1	23.61	23.5
				256QAM	1	49	1	0	1	19.73	20.5
				QPSK	1	49	1	0	1	24.73	25.5
20478	831.6	20575	841.5	16QAM	1	49	1	0	1	23.83	24.5
				64QAM	1	49	1	0	1	22.44	23.5
				256QAM	1	49	1	0	1	18.82	20.5
				QPSK	1	49	1	0	1	24.62	25.5
				16QAM	1	49	1	0	1	23.69	24.5
20501	834.1	20600	844	64QAM	1	49	1	0	1	22.25	23.5
				256QAM	1	49	1	0	1	19.78	20.5
				QPSK	1	49	1	0	1		
				16QAM	1	49	1	0	1		
				64QAM	1	49	1	0	1		
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	PCC RB Size	PCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
20450	829	20522	836.2	QPSK	1	49	1	0	1	24.58	25.5
				16QAM	1	49	1	0	1	23.81	24.5
				64QAM	1	49	1	0	1	23.38	23.5
				256QAM	1	49	1	0	1	19.49	20.5
				QPSK	1	49	1	0	1	24.53	25.5
20500	834	20572	841.2	16QAM	1	49	1	0	1	23.83	24.5
				64QAM	1	49	1	0	1	22.37	23.5
				256QAM	1	49	1	0	1	19.63	20.5
				QPSK	1	49	1	0	1	24.46	25.5
				16QAM	1	49	1	0	1	23.70	24.5
20550	839	20622	846.2	64QAM	1	49	1	0	1	22.13	23.5
				256QAM	1	49	1	0	1	19.64	20.5
				QPSK	1	49	1	0	1		
				16QAM	1	49	1	0	1		
				64QAM	1	49	1	0	1		
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	PCC RB Size	PCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
20428	826.8	20500	834	QPSK	1	24	1	0	1	24.54	25.5
				16QAM	1	24	1	0	1	23.82	24.5
				64QAM	1	24	1	0	1	23.35	23.5
				256QAM	1	24	1	0	1	19.50	20.5
				QPSK	1	24	1	0	1	24.55	25.5
20478	831.8	20550	839	16QAM	1	24	1	0	1	23.76	24.5
				64QAM	1	24	1	0	1	22.36	23.5
				256QAM	1	24	1	0	1	19.01	20.5
				QPSK	1	24	1	0	1	24.49	25.5
				16QAM	1	24	1	0	1	23.70	24.5
20528	836.8	20600	844	64QAM	1	24	1	0	1	22.10	23.5
				256QAM	1	24	1	0	1	19.53	20.5
				QPSK	1	24	1	0	1		
				16QAM	1	24	1	0	1		
				64QAM	1	24	1	0	1		
Combination 5MHz+3MHz (25RB+15RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	PCC RB Size	PCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
20425	826.5	20464	830.4	QPSK	1	24	1	0	1	24.48	25.5
				16QAM	1	24	1	0	1	23.57	24.5
				64QAM	1	24	1	0	1	23.02	23.5
				256QAM	1	24	1	0	1	19.42	20.5
				QPSK	1	24	1	0	1	24.41	25.5
20510	835	20549	838.9	16QAM	1	24	1	0	1	23.78	24.5
				64QAM	1	24	1	0	1	22.25	23.5
				256QAM	1	24	1	0	1	19.65	20.5
				QPSK	1	24	1	0	1	24.33	25.5
				16QAM	1	24	1	0	1	23.76	24.5
20595	843.5	20634	847.4	64QAM	1	24	1	0	1	22.04	23.5
				256QAM	1	24	1	0	1	19.46	20.5
				QPSK	1	24	1	0	1		
				16QAM	1	24	1	0	1		
				64QAM	1	24	1	0	1		
Combination 3MHz+5MHz (15RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	PCC RB Size	PCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
20416	825.6	20455	829.5	QPSK	1	14	1	0	1	24.37	25.5
				16QAM	1	14	1	0	1	23.67	24.5
				64QAM	1	14	1	0	1	23.54	23.5
				256QAM	1	14	1	0	1	19.45	20.5
				QPSK	1	14	1	0	1	24.35	25.5
20501	834.1	20540	838	16QAM	1	14	1	0	1	23.65	24.5
				64QAM	1	14	1	0	1	22.28	23.5
				256QAM	1	14	1	0	1	19.57	20.5
				QPSK	1	14	1	0	1	24.28	25.5
				16QAM	1	14	1	0	1	23.66	24.5
20586	842.6	20625	846.5	64QAM	1	14	1	0	1	22.10	23.5
				256QAM	1	14	1	0	1	19.46	20.5
				QPSK	1	14	1	0	1		
				16QAM	1	14	1	0	1		
				64QAM	1	14	1	0	1		

CA_66B (Ant1)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132022	1715	132121	1724.9	QPSK	1	49	1	0	1	24.13	24.5
				16QAM	1	49	1	0	1	23.34	23.5
				64QAM	1	49	1	0	1	21.69	22.5
				256QAM	1	49	1	0	1	19.17	19.5
				QPSK	1	49	1	0	1	23.91	24.5
132373	1750.1	132472	1760	16QAM	1	49	1	0	1	23.23	23.5
				64QAM	1	49	1	0	1	21.78	22.5
				256QAM	1	49	1	0	1	19.04	19.5
				QPSK	1	49	1	0	1	23.63	24.5
				16QAM	1	49	1	0	1	23.14	23.5
132523	1765.1	132622	1775	64QAM	1	49	1	0	1	21.68	22.5
				256QAM	1	49	1	0	1	19.07	19.5
				QPSK	1	49	1	0	1	23.17	23.5
				16QAM	1	49	1	0	1	23.22	23.5
				64QAM	1	74	1	0	1	21.65	22.5
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132047	1717.5	132140	1726.8	QPSK	1	74	1	0	1	23.97	24.5
				16QAM	1	74	1	0	1	23.27	23.5
				64QAM	1	74	1	0	1	21.57	22.5
				256QAM	1	74	1	0	1	19.07	19.5
				QPSK	1	74	1	0	1	23.89	24.5
132396	1752.6	132491	1761.9	16QAM	1	74	1	0	1	23.22	23.5
				64QAM	1	74	1	0	1	21.65	22.5
				256QAM	1	74	1	0	1	19.03	19.5
				QPSK	1	74	1	0	1	23.80	24.5
				16QAM	1	74	1	0	1	23.09	23.5
132549	1767.7	132642	1777	64QAM	1	74	1	0	1	21.65	22.5
				256QAM	1	74	1	0	1	19.03	19.5
				QPSK	1	74	1	0	1	23.80	24.5
				16QAM	1	74	1	0	1	23.09	23.5
				64QAM	1	74	1	0	1	21.65	22.5
Combination 5MHz+15MHz (25RB+75RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132002	1713	132095	1722.3	QPSK	1	24	1	0	1	24.01	24.5
				16QAM	1	24	1	0	1	23.21	23.5
				64QAM	1	24	1	0	1	21.59	22.5
				256QAM	1	24	1	0	1	19.02	19.5
				QPSK	1	24	1	0	1	23.82	24.5
132353	1748.1	132446	1757.4	16QAM	1	24	1	0	1	23.15	23.5
				64QAM	1	24	1	0	1	21.77	22.5
				256QAM	1	24	1	0	1	18.92	19.5
				QPSK	1	24	1	0	1	23.71	24.5
				16QAM	1	24	1	0	1	23.13	23.5
132504	1763.2	132597	1772.5	64QAM	1	24	1	0	1	21.60	22.5
				256QAM	1	24	1	0	1	18.99	19.5
				QPSK	1	24	1	0	1	23.84	24.5
				16QAM	1	49	1	0	1	23.17	23.5
				64QAM	1	49	1	0	1	21.62	22.5
132397	1752.5	132489	1759.7	256QAM	1	49	1	0	1	19.00	19.5
				QPSK	1	49	1	0	1	23.98	24.5
				16QAM	1	49	1	0	1	23.05	23.5
				64QAM	1	49	1	0	1	21.70	22.5
				256QAM	1	49	1	0	1	18.86	19.5
132572	1770	132644	1777.2	QPSK	1	49	1	0	1	23.58	24.5
				16QAM	1	49	1	0	1	22.99	23.5
				64QAM	1	49	1	0	1	21.63	22.5
				256QAM	1	49	1	0	1	18.91	19.5
				QPSK	1	49	1	0	1	23.84	24.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132022	1715	132094	1722.2	QPSK	1	49	1	0	1	23.84	24.5
				16QAM	1	49	1	0	1	23.17	23.5
				64QAM	1	49	1	0	1	21.62	22.5
				256QAM	1	49	1	0	1	19.00	19.5
				QPSK	1	49	1	0	1	23.98	24.5
132397	1752.5	132489	1759.7	16QAM	1	49	1	0	1	23.05	23.5
				64QAM	1	49	1	0	1	21.70	22.5
				256QAM	1	49	1	0	1	18.86	19.5
				QPSK	1	49	1	0	1	23.58	24.5
				16QAM	1	49	1	0	1	22.99	23.5
132572	1770	132644	1777.2	64QAM	1	49	1	0	1	21.63	22.5
				256QAM	1	49	1	0	1	18.91	19.5
				QPSK	1	49	1	0	1	23.84	24.5
				16QAM	1	49	1	0	1	23.17	23.5
				64QAM	1	49	1	0	1	21.62	22.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132000	1712.8	132072	1720	QPSK	1	24	1	0	1	23.85	24.5
				16QAM	1	24	1	0	1	23.11	23.5
				64QAM	1	24	1	0	1	21.54	22.5
				256QAM	1	24	1	0	1	19.01	19.5
				QPSK	1	24	1	0	1	23.92	24.5
132375	1750.3	132447	1757.5	16QAM	1	24	1	0	1	23.14	23.5
				64QAM	1	24	1	0	1	21.58	22.5
				256QAM	1	24	1	0	1	18.85	19.5
				QPSK	1	24	1	0	1	23.63	24.5
				16QAM	1	24	1	0	1	23.00	23.5
132550	1767.8	132622	1775	64QAM	1	24	1	0	1	21.50	22.5
				256QAM	1	24	1	0	1	18.86	19.5
				QPSK	1	24	1	0	1	23.89	24.5
				16QAM	1	24	1	0	1	23.21	23.5
				64QAM	1	24	1	0	1	21.63	22.5
132396	1752.5	132486	1759.7	256QAM	1	24	1	0	1	19.02	19.5
				QPSK	1	24	1	0	1	23.87	24.5
				16QAM	1	24	1	0	1	23.17	23.5
				64QAM	1	24	1	0	1	21.67	22.5
				256QAM	1	24	1	0	1	18.85	19.5
132599	1772.7	132647	1777.5	16QAM	1	24	1	0	1	22.87	23.5
				64QAM	1	24	1	0	1	21.63	22.5
				256QAM	1	24	1	0	1	18.88	19.5
				QPSK	1	24	1	0	1	23.87	24.5
				16QAM	1	24	1	0	1	23.25	23.5

CA 66C (Ant1)										
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 (dBm)	Max. Time-up Power
132072	1720	132270	1739.8	QPSK	1	99	1	0	23.91	24.5
				16QAM	1	99	1	0	23.29	23.5
				64QAM	1	99	1	0	21.31	22.5
				256QAM	1	99	1	0	18.99	19.5
				QPSK	1	99	1	0	24.96	24.5
132323	1745.1	132521	1764.9	16QAM	1	99	1	0	23.07	23.5
				64QAM	1	99	1	0	21.71	22.5
				256QAM	1	99	1	0	18.99	19.5
				QPSK	1	99	1	0	23.98	24.5
				16QAM	1	99	1	0	23.05	23.5
132374	1750.2	132572	1770	64QAM	1	99	1	0	21.17	22.5
				256QAM	1	99	1	0	18.94	19.5
Combination 20MHz+15MHz (100RB+75RB)										
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. Time-up Power
132072	1720	132243	1737.1	QPSK	1	99	1	0	23.79	24.5
				16QAM	1	99	1	0	23.14	23.5
				64QAM	1	99	1	0	21.19	22.5
				256QAM	1	99	1	0	18.96	19.5
				QPSK	1	99	1	0	23.77	24.5
132348	1747.6	132519	1764.7	16QAM	1	99	1	0	22.98	23.5
				64QAM	1	99	1	0	21.65	22.5
				256QAM	1	99	1	0	18.96	19.5
				QPSK	1	99	1	0	23.85	24.5
				16QAM	1	99	1	0	22.96	23.5
132423	1755.1	132594	1772.2	64QAM	1	99	1	0	21.10	22.5
				256QAM	1	99	1	0	18.86	19.5
Combination 15MHz+20MHz (75RB+100RB)										
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. Time-up Power
132050	1717.8	132221	1734.9	QPSK	1	74	1	0	23.83	24.5
				16QAM	1	74	1	0	23.17	23.5
				64QAM	1	74	1	0	21.25	22.5
				256QAM	1	74	1	0	18.89	19.5
				QPSK	1	74	1	0	23.83	24.5
132325	1745.3	132496	1762.4	16QAM	1	74	1	0	23.02	23.5
				64QAM	1	74	1	0	21.64	22.5
				256QAM	1	74	1	0	18.90	19.5
				QPSK	1	74	1	0	23.81	24.5
				16QAM	1	74	1	0	22.95	23.5
132401	1752.9	132572	1770	64QAM	1	74	1	0	21.16	22.5
				256QAM	1	74	1	0	18.79	19.5
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 (dBm)	Max. Time-up Power
132072	1720	132216	1734.4	QPSK	1	99	1	0	23.85	24.5
				16QAM	1	99	1	0	23.30	23.5
				64QAM	1	99	1	0	21.63	22.5
				256QAM	1	99	1	0	19.10	19.5
				QPSK	1	99	1	0	23.79	24.5
132373	1750.1	132517	1764.5	16QAM	1	99	1	0	23.24	23.5
				64QAM	1	99	1	0	21.69	22.5
				256QAM	1	99	1	0	19.04	19.5
				QPSK	1	99	1	0	23.74	24.5
				16QAM	1	99	1	0	23.15	23.5
132473	1760.1	132617	1774.5	64QAM	1	99	1	0	21.58	22.5
				256QAM	1	99	1	0	19.03	19.5
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 (dBm)	Max. Time-up Power
132027	1715.5	132171	1729.9	QPSK	1	49	1	0	23.86	24.5
				16QAM	1	49	1	0	23.19	23.5
				64QAM	1	49	1	0	21.55	22.5
				256QAM	1	49	1	0	19.04	19.5
				QPSK	1	49	1	0	23.66	24.5
132328	1745.6	132472	1760	16QAM	1	49	1	0	23.09	23.5
				64QAM	1	49	1	0	21.62	22.5
				256QAM	1	49	1	0	18.91	19.5
				QPSK	1	49	1	0	23.60	24.5
				16QAM	1	49	1	0	22.90	23.5
132428	1755.6	132572	1770	64QAM	1	49	1	0	21.54	22.5
				256QAM	1	49	1	0	18.91	19.5
Combination 15MHz+15MHz (75RB+75RB)										
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. Time-up Power
132047	1717.5	132197	1732.5	QPSK	1	74	1	0	23.92	24.5
				16QAM	1	74	1	0	23.29	23.5
				64QAM	1	74	1	0	21.52	22.5
				256QAM	1	74	1	0	18.15	18.5
				QPSK	1	74	1	0	23.85	24.5
132347	1747.5	132497	1762.5	16QAM	1	74	1	0	23.05	23.5
				64QAM	1	74	1	0	21.56	22.5
				256QAM	1	74	1	0	18.99	19.5
				QPSK	1	74	1	0	23.65	24.5
				16QAM	1	74	1	0	22.96	23.5
132447	1757.5	132597	1772.5	64QAM	1	74	1	0	21.61	22.5
				256QAM	1	74	1	0	18.91	19.5
Combination 15MHz+10MHz (75RB+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. Time-up Power
132047	1717.5	132167	1729.5	QPSK	1	74	1	0	23.85	24.5
				16QAM	1	74	1	0	23.18	23.5
				64QAM	1	74	1	0	21.42	22.5
				256QAM	1	74	1	0	18.92	19.5
				QPSK	1	74	1	0	23.61	24.5
132373	1750.1	132493	1762.1	16QAM	1	74	1	0	23.00	23.5
				64QAM	1	74	1	0	21.57	22.5
				256QAM	1	74	1	0	18.96	19.5
				QPSK	1	74	1	0	23.58	24.5
				16QAM	1	74	1	0	23.00	23.5
132499	1762.7	132619	1774.7	64QAM	1	74	1	0	21.53	22.5
				256QAM	1	74	1	0	18.86	19.5
Combination 10MHz+15MHz (50RB+75RB)										
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. Time-up Power
132025	1715.3	132145	1727.3	QPSK	1	49	1	0	23.96	24.5
				16QAM	1	49	1	0	23.15	23.5
				64QAM	1	49	1	0	21.37	22.5
				256QAM	1	49	1	0	18.93	19.5
				QPSK	1	49	1	0	23.67	24.5
132351	1747.9	132471	1759.9	16QAM	1	49	1	0	22.97	23.5
				64QAM	1	49	1	0	21.43	22.5
				256QAM	1	49	1	0	18.94	19.5
				QPSK	1	49	1	0	23.55	24.5
				16QAM	1	49	1	0	22.92	23.5
132477	1760.5	132597	1772.5	64QAM	1	49	1	0	21.49	22.5
				256QAM	1	49	1	0	18.99	19.5
Combination 20MHz+5MHz (100RB+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. Time-up Power
132072	1720	132189	1731.7	QPSK	1	99	1	0	23.95	24.5
				16QAM	1	99	1	0	23.18	23.5
				64QAM	1	99	1	0	21.41	22.5
				2						

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	32.96	32.01	32.84	33.50	30.40	29.32	29.21	31.00
GPRS 1Tx Slot	32.98	32.06	32.86	33.50	30.42	29.34	29.28	31.00
GPRS 2Tx Slot	30.98	30.11	30.50	31.50	28.53	27.65	27.51	29.50
GPRS 3Tx Slot	28.97	28.12	28.79	29.50	26.54	25.47	25.42	27.00
GPRS 4Tx Slot	26.82	26.77	27.78	28.50	25.60	24.36	24.04	26.00
EDGE 1Tx Slot	27.34	26.05	27.59	28.00	26.49	25.42	25.48	27.00
EDGE 2Tx Slot	25.55	24.44	25.93	26.00	24.98	24.01	24.08	25.50
EDGE 3Tx Slot	23.12	22.53	23.57	24.00	21.73	21.77	22.53	23.00
EDGE 4Tx Slot	21.83	21.17	22.34	23.00	20.28	20.31	21.35	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	24.35	24.31	24.34	25.00	24.24	24.26	24.27	25.00
HSDPA Subtest-1	23.31	23.41	23.32	24.00	23.24	23.24	23.23	24.00
HSDPA Subtest-2	23.40	23.31	23.34	24.00	23.32	23.32	23.22	24.00
HSDPA Subtest-3	22.81	22.83	22.80	23.50	22.68	22.70	22.74	23.50
HSDPA Subtest-4	22.72	22.77	22.78	23.50	22.73	22.75	22.64	23.50
DC-HSDPA Subtest-1	23.28	23.25	23.28	24.00	23.25	23.25	23.16	24.00
DC-HSDPA Subtest-2	23.25	23.26	23.31	24.00	23.17	23.33	23.17	24.00
DC-HSDPA Subtest-3	22.72	22.74	22.75	23.50	22.62	22.64	22.64	23.50
DC-HSDPA Subtest-4	22.63	22.62	22.77	23.50	22.60	22.50	22.62	23.50
HSUPA Subtest-1	23.40	23.48	23.40	24.00	23.28	23.22	23.21	24.00
HSUPA Subtest-2	22.87	22.84	22.81	23.50	22.68	22.75	22.74	23.50
HSUPA Subtest-3	23.32	23.29	23.32	24.00	23.17	23.24	23.17	24.00
HSUPA Subtest-4	23.27	23.24	23.27	24.00	23.26	23.33	23.20	24.00
HSUPA Subtest-5	23.29	23.27	23.25	24.00	23.25	23.27	23.26	24.00

Receiver off_D84_Bm-Tx

LTE Band 2 (Aur1)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max	Time-Step (dBm)	Max
		Channel	Frequency (MHz)	1920	1980	1980	Time-Step (dBm)		
20M	QPSK	1	0	23.81	23.85	23.82	24.5		
		1	50	23.80	23.81	23.81	24.5		
		1	50	23.82	23.83	23.83	24.5		
		50	0	22.45	22.49	22.41	23.5		
		50	0	22.46	22.48	22.48	23.5		
		50	50	22.48	22.49	22.47	23.5		
		100	0	22.41	22.42	22.40	23.5		
		100	0	22.44	22.45	22.47	23.5		
		1	50	22.74	22.75	22.61	23.5		
		1	50	22.71	22.63	22.65	23.5		
20M	16QAM	1	0	21.63	21.63	21.63	22.5		
		50	25	21.47	21.43	21.42	22.5		
		50	50	21.45	21.54	21.44	22.5		
		100	0	21.55	21.57	21.58	22.5		
		1	0	21.64	21.52	21.55	22.5		
		1	50	21.52	21.65	21.42	22.5		
		1	50	21.48	21.71	21.60	22.5		
		50	0	20.44	20.49	20.48	21.5		
		50	50	20.47	20.54	20.51	21.5		
		100	0	20.46	20.48	20.48	21.5		
20M	16QAM	1	0	18.87	18.86	18.81	19.5		
		1	50	18.46	18.55	18.46	19.5		
		50	150	18.58	18.44	18.47	19.5		
		50	150	18.43	18.43	18.43	19.5		
		50	25	18.52	18.45	18.42	19.5		
		50	50	18.54	18.46	18.43	19.5		
		100	0	18.57	18.41	18.55	19.5		
20M	QPSK	1	0	19.87	19.85	19.83	20.5		
		1	37	23.36	23.45	23.12	24.5		
		1	74	23.32	23.19	23.31	24.5		
		36	0	22.44	22.29	22.38	23.5		
		36	19	22.28	22.28	22.17	23.5		
		36	36	22.42	22.25	22.30	23.5		
		72	0	22.34	22.23	22.43	23.5		
		1	0	22.42	22.62	22.42	23.5		
		1	0	22.47	22.65	22.41	23.5		
		74	24	22.44	22.45	22.52	23.5		
15M	16QAM	36	0	21.22	21.18	21.25	22.5		
		36	0	21.41	21.38	21.33	22.5		
		36	36	21.25	21.44	21.20	22.5		
		72	0	21.32	21.21	21.30	22.5		
		1	0	21.46	21.47	21.45	22.5		
		1	37	21.45	21.51	21.32	22.5		
		1	74	21.34	21.57	21.38	22.5		
		36	0	20.25	20.38	20.20	21.5		
		36	19	20.44	20.34	20.26	21.5		
		36	36	20.40	20.30	20.21	21.5		
15M	16QAM	72	0	20.25	20.35	20.30	21.5		
		72	0	19.36	19.58	19.52	19.5		
		1	0	19.67	19.64	19.61	19.5		
		1	74	19.52	19.35	19.41	19.5		
		36	0	18.36	18.34	18.33	19.5		
		36	0	18.46	18.41	18.40	19.5		
		36	36	18.52	18.33	18.41	19.5		
		72	0	18.48	18.38	18.47	19.5		
15M	QPSK	1	0	19.86	19.85	19.85	20.5		
		1	0	23.38	23.42	23.21	24.5		
		1	37	23.37	23.42	23.21	24.5		
		1	48	23.26	23.25	23.30	24.5		
		25	0	22.32	22.28	22.28	23.5		
		25	0	22.35	22.28	22.30	23.5		
		25	25	22.35	22.22	22.34	23.5		
		50	0	22.32	22.31	22.28	23.5		
		22	0	22.38	22.48	22.35	23.5		
		1	24	22.62	22.54	22.48	23.5		
15M	16QAM	1	49	22.49	22.35	22.47	23.5		
		25	0	21.25	21.48	21.36	22.5		
		25	12	21.29	21.18	21.19	22.5		
		25	25	21.30	21.35	21.28	22.5		
		50	0	21.39	21.39	21.27	22.5		
		1	0	21.37	21.44	21.44	22.5		
		1	24	21.37	21.65	21.28	22.5		
		1	48	21.37	21.55	21.45	22.5		
		25	0	20.21	20.23	20.51	21.5		
		25	0	20.33	20.36	20.47	21.5		
15M	16QAM	25	25	20.26	20.30	20.24	21.5		
		25	0	20.25	20.34	20.23	21.5		
		1	0	19.62	19.61	19.58	19.5		
		1	24	19.32	19.45	19.31	19.5		
		11	49	18.45	18.38	18.41	19.5		
		15	0	18.32	18.30	18.28	19.5		
		25	12	18.39	18.41	18.28	19.5		
		25	25	18.47	18.41	18.42	19.5		
		50	0	18.50	18.35	18.49	19.5		
15M	QPSK	1	0	19.85	19.85	19.85	20.5		
		1	12	23.25	23.35	23.11	24.5		
		1	24	23.35	23.22	23.27	24.5		
		12	0	22.35	22.28	22.24	23.5		
		12	6	22.24	22.17	22.21	23.5		
		12	13	22.38	22.25	22.38	23.5		
		25	0	22.33	22.22	22.37	23.5		
		7	0	22.43	22.68	22.38	23.5		
		1	0	22.46	22.65	22.41	23.5		
		1	24	22.49	22.35	22.49	23.5		
15M	16QAM	12	0	21.22	21.23	21.35	22.5		
		12	6	21.32	21.32	21.27	22.5		
		12	13	21.27	21.31	21.32	22.5		
		25	0	21.39	21.38	21.09	22.5		
		1	0	21.48	21.43	21.31	22.5		
		1	12	21.44	21.53	21.24	22.5		
		1	24	21.27	21.65	21.39	22.5		
		1	0	20.24	20.28	20.27	21.5		
		12	6	20.36	20.28	20.23	21.5		
		12	13	20.27	20.34	20.31	21.5		
15M	16QAM	25	0	20.27	20.27	20.32	21.5		
		7	0	19.25	19.37	19.57	19.5		
		1	0	19.41	19.40	19.31	19.5		
		1	24	18.44	18.41	18.38	19.5		
		12	0	18.38	18.38	18.41	19.5		
		12	6	18.45	18.34	18.34	19.5		
		12	13	18.47	18.35	18.29	19.5		
		25	0	18.54	18.45	18.46	19.5		
15M	QPSK	1	0	19.85	19.85	19.85	20.5		
		1	0	23.29	23.47	23.18	24.5		
		1	0	23.41	23.45	23.25	24.5		
		1	14	23.26	23.15	23.23	24.5		
		8	0	22.38	22.23	22.26	23.5		
		8	0	22.44	22.51	22.45	23.5		
		6	7	22.42	22.24	22.41	23.5		
		15	0	22.38	22.25	22.32	23.5		
		22	0	22.37	22.62	22.46	23.5		
		1	7	22.89	22.47	22.54	23.5		
15M	16QAM	1	14	22.46	22.35	22.59	23.5		
		6	0	21.18	21.35	21.35	22.5		
		6	3	21.35	21.25	21.23	22.5		
		15	0	21.28	21.25	21.34	22.5		
		1	0	21.44	21.42	21.40	22.5		
		1	7	21.46	21.50	21.37	22.5		
		1	14	21.35	21.59	21.41	22.5		
		8	0	20.25	20.27	20.20	21.5		
		8	0	20.34	20.30	20.19	21.5		
		6	7	20.33	20.31	20.30	21.5		
15M	16QAM	15	0	20.22	20.23	20.25	21.5		
		1	0	19.39	19.65	19.51	19.5		
		1	7	19.37	19.47	19.44	19.5		
		1	14	19.41	19.37	19.35	19.5		
		8	0	18.40	18.38	18.40	19.5		
		8	3	18.39	18.30	18.29	19.5		
		8	7	18.47	18.30	18.41	19.5		
		15	0	18.50	18.45	18.52	19.5		
15M	QPSK	1	0	19.87	19.85	19.85	20.5		
		1	0	23.37	23.37	23.29	24.5		
		1	2	23.33	23.35	23.12	24.5		
		1	5	23.07	23.17	23.19	24.5		
		3	0	22.59	22.58	22.58	24.5		
		3	1	22.58	22.52	22.52	24.5		

LTE Band 12 (Aar2)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (MHz)	Channel	Max. Time-up (MHz)
		Frequency (MHz)	798.5	798.5	798.5	798.5			
10M	QPSK	1	0	24.08	24.08	24.08	25.5		
		1	24	24.12	24.11	24.08	25.5		
		1	49	24.17	23.97	23.99	25.5		
		25	0	23.11	23.10	23.07	24.5		
		25	24	23.15	23.14	23.11	24.5		
	16QAM	1	0	23.16	23.16	23.16	24.5		
		1	24	23.18	23.17	23.16	24.5		
		1	49	23.27	23.26	23.21	24.5		
		25	0	22.22	22.18	22.11	23.5		
		25	24	22.16	22.16	22.11	23.5		
10M	QPSK	1	0	22.22	22.21	22.19	23.5		
		1	24	22.21	22.20	22.21	23.5		
		1	49	22.27	22.18	22.21	23.5		
		25	0	21.12	21.12	21.08	22.5		
		25	24	21.12	21.10	21.09	22.5		
	16QAM	1	0	21.12	21.10	21.09	22.5		
		1	24	21.12	21.11	21.10	22.5		
		1	49	21.13	21.11	21.11	22.5		
		25	0	20.14	20.14	20.12	21.5		
		25	24	20.14	20.12	20.11	21.5		
10M	QPSK	1	0	19.15	19.15	19.15	20.5		
		1	24	19.21	19.21	19.21	20.5		
		1	49	19.28	19.24	19.21	20.5		
		25	0	18.15	18.17	18.14	20.5		
		25	12	18.24	18.23	18.21	20.5		
	16QAM	1	0	18.24	18.23	18.21	20.5		
		1	24	18.24	18.23	18.21	20.5		
		1	49	18.24	18.23	18.21	20.5		
		25	0	17.18	17.18	17.18	20.5		
		25	24	17.18	17.18	17.18	20.5		
10M	QPSK	1	0	17.18	17.18	17.18	20.5		
		1	24	17.18	17.18	17.18	20.5		
		1	49	17.18	17.18	17.18	20.5		
		25	0	16.12	16.12	16.12	19.5		
		25	24	16.12	16.12	16.12	19.5		
	16QAM	1	0	16.12	16.12	16.12	19.5		
		1	24	16.12	16.12	16.12	19.5		
		1	49	16.12	16.12	16.12	19.5		
		25	0	15.06	15.06	15.06	18.5		
		25	24	15.06	15.06	15.06	18.5		
10M	QPSK	1	0	15.06	15.06	15.06	18.5		
		1	24	15.06	15.06	15.06	18.5		
		1	49	15.06	15.06	15.06	18.5		
		25	0	14.00	14.00	14.00	17.5		
		25	24	14.00	14.00	14.00	17.5		
	16QAM	1	0	14.00	14.00	14.00	17.5		
		1	24	14.00	14.00	14.00	17.5		
		1	49	14.00	14.00	14.00	17.5		
		25	0	13.00	13.00	13.00	16.5		
		25	24	13.00	13.00	13.00	16.5		
10M	QPSK	1	0	13.00	13.00	13.00	16.5		
		1	24	13.00	13.00	13.00	16.5		
		1	49	13.00	13.00	13.00	16.5		
		25	0	12.00	12.00	12.00	15.5		
		25	24	12.00	12.00	12.00	15.5		
	16QAM	1	0	12.00	12.00	12.00	15.5		
		1	24	12.00	12.00	12.00	15.5		
		1	49	12.00	12.00	12.00	15.5		
		25	0	11.00	11.00	11.00	14.5		
		25	24	11.00	11.00	11.00	14.5		
10M	QPSK	1	0	11.00	11.00	11.00	14.5		
		1	24	11.00	11.00	11.00	14.5		
		1	49	11.00	11.00	11.00	14.5		
		25	0	10.00	10.00	10.00	13.5		
		25	24	10.00	10.00	10.00	13.5		
	16QAM	1	0	10.00	10.00	10.00	13.5		
		1	24	10.00	10.00	10.00	13.5		
		1	49	10.00	10.00	10.00	13.5		
		25	0	9.00	9.00	9.00	12.5		
		25	24	9.00	9.00	9.00	12.5		
10M	QPSK	1	0	9.00	9.00	9.00	12.5		
		1	24	9.00	9.00	9.00	12.5		
		1	49	9.00	9.00	9.00	12.5		
		25	0	8.00	8.00	8.00	11.5		
		25	24	8.00	8.00	8.00	11.5		
	16QAM	1	0	8.00	8.00	8.00	11.5		
		1	24	8.00	8.00	8.00	11.5		
		1	49	8.00	8.00	8.00	11.5		
		25	0	7.00	7.00	7.00	10.5		
		25	24	7.00	7.00	7.00	10.5		
10M	QPSK	1	0	7.00	7.00	7.00	10.5		
		1	24	7.00	7.00	7.00	10.5		
		1	49	7.00	7.00	7.00	10.5		
		25	0	6.00	6.00	6.00	9.5		
		25	24	6.00	6.00	6.00	9.5		
	16QAM	1	0	6.00	6.00	6.00	9.5		
		1	24	6.00	6.00	6.00	9.5		
		1	49	6.00	6.00	6.00	9.5		
		25	0	5.00	5.00	5.00	8.5		
		25	24	5.00	5.00	5.00	8.5		
10M	QPSK	1	0	5.00	5.00	5.00	8.5		
		1	24	5.00	5.00	5.00	8.5		
		1	49	5.00	5.00	5.00	8.5		
		25	0	4.00	4.00	4.00	7.5		
		25	24	4.00	4.00	4.00	7.5		
	16QAM	1	0	4.00	4.00	4.00	7.5		
		1	24	4.00	4.00	4.00	7.5		
		1	49	4.00	4.00	4.00	7.5		
		25	0	3.00	3.00	3.00	6.5		
		25	24	3.00	3.00	3.00	6.5		
10M	QPSK	1	0	3.00	3.00	3.00	6.5		
		1	24	3.00	3.00	3.00	6.5		
		1	49	3.00	3.00	3.00	6.5		
		25	0	2.00	2.00	2.00	5.5		
		25	24	2.00	2.00	2.00	5.5		
	16QAM	1	0	2.00	2.00	2.00	5.5		
		1	24	2.00	2.00	2.00	5.5		
		1	49	2.00	2.00	2.00	5.5		
		25	0	1.00	1.00	1.00	4.5		
		25	24	1.00	1.00	1.00	4.5		
10M	QPSK	1	0	1.00	1.00	1.00	4.5		
		1	24	1.00	1.00	1.00	4.5		
		1	49	1.00	1.00	1.00	4.5		
		25	0	0.00	0.00	0.00	3.5		
		25	24	0.00	0.00	0.00	3.5		
	16QAM	1	0	0.00	0.00	0.00	3.5		
		1	24	0.00	0.00	0.00	3.5		
		1	49	0.00	0.00	0.00	3.5		
		25	0	-1.00	-1.00	-1.00	2.5		
		25	24	-1.00	-1.00	-1.00	2.5		
10M	QPSK	1	0	-1.00	-1.00	-1.00	2.5		
		1	24	-1.00	-1.00	-1.00	2.5		
		1	49	-1.00	-1.00	-1.00	2.5		
		25	0	-2.00	-2.00	-2.00	1.5		
		25	24	-2.00	-2.00	-2.00	1.5		
	16QAM	1	0	-2.00	-2.00	-2.00	1.5		
		1	24	-2.00	-2.00	-2.00	1.5		
		1	49	-2.00	-2.00	-2.00	1.5		
		25	0	-3.00	-3.00	-3.00	0.5		
		25	24	-3.00	-3.00	-3.00	0.5		
10M	QPSK	1	0	-3.00	-3.00	-3.00	0.5		
		1	24	-3.00	-3.00	-3.00	0.5		
		1	49	-3.00	-3.00	-3.00	0.5		
		25	0	-4.00	-4.00	-4.00	-0.5		
		25	24	-4.00	-4.00	-4.00	-0.5		
	16QAM	1	0	-4.00	-4.00	-4.00	-0.5		
		1	24	-4.00	-4.00	-4.00	-0.5		
		1	49	-4.00	-4.00	-4.00	-0.5		
		25	0	-5.00	-5.00	-5.00	-1.5		
		25	24	-5.00	-5.00	-5.00	-1.5		
10M	QPSK	1	0	-5.00	-5.00	-5.00	-1.5		
		1	24	-5.00	-5.00	-5.00	-1.5		
		1	49	-5.00	-5.00	-5.00	-1.5		
		25	0	-6.00	-6.00	-6.00	-2.5		
		25	24	-6.00	-6.00	-			

Receiver off_DSI4_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/V2 BPSK	1	1	23.33	23.30	23.33	24.5
		1	53	23.24	23.33	23.24	24.5
		1	104	23.23	23.29	23.12	24.5
		50	0	23.36	23.35	23.34	24.5
		50	28	23.35	23.30	23.38	24.5
		50	56	23.38	23.33	23.32	24.5
	DFT-s-OFDM QPSK	100	0	23.37	23.31	23.37	24.5
		1	1	23.38	23.39	23.37	24.5
		1	53	23.26	23.37	23.36	24.5
		1	104	23.25	23.29	23.28	24.5
		50	0	22.82	22.92	22.84	23.5
		50	28	23.33	23.37	23.36	24.5
	DFT-s-OFDM 16QAM	50	56	22.91	22.92	22.84	23.5
		100	0	22.93	22.95	22.90	23.5
		1	1	21.94	22.86	22.97	23.5
		1	1	21.39	21.57	20.95	22.5
		1	1	19.38	18.84	18.82	20.5
		1	1	19.38	18.84	18.82	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	23.34	23.32	23.36	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.32	23.35	23.34	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	23.31	23.33	23.35	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/V2 BPSK	1	1	23.26	23.27	23.25	24.5
		1	53	23.23	23.35	23.29	24.5
		1	104	23.28	23.29	23.21	24.5
		50	0	23.35	23.40	23.36	24.5
		50	28	23.30	23.44	23.37	24.5
		50	56	23.37	23.42	23.45	24.5
	DFT-s-OFDM QPSK	100	0	23.32	23.47	23.39	24.5
		1	1	23.42	23.48	23.38	24.5
		1	53	23.32	23.33	23.32	24.5
		1	104	23.41	23.44	23.36	24.5
		50	0	23.37	23.45	23.33	24.5
		50	28	23.41	23.47	23.39	24.5
	DFT-s-OFDM 16QAM	50	56	23.32	23.39	23.38	24.5
		100	0	23.42	23.46	23.43	24.5
		1	1	23.46	23.44	23.45	24.5
		1	1	21.38	21.49	21.50	22.5
		1	1	19.32	19.41	19.34	20.5
		1	1	19.32	19.41	19.34	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	23.40	23.32	23.39	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	23.41	23.34	23.35	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	23.38	23.34	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/V2 BPSK	1	1	23.66	23.76	23.77	24.5
		1	108	23.69	23.58	23.71	24.5
		1	214	23.73	23.62	23.77	24.5
		108	0	23.01	23.04	22.95	24
		108	54	23.61	23.56	23.73	24.5
		108	108	22.95	22.93	22.73	24
		216	0	22.92	22.97	22.88	24
		1	1	23.68	23.79	23.76	24.5
	DFT-s-OFDM QPSK	1	108	23.58	23.62	23.73	24.5
		1	214	23.62	23.72	23.61	24.5
		108	0	22.97	22.94	23.02	24
		108	54	23.48	23.67	23.59	24.5
		108	108	22.91	22.97	22.82	24
		216	0	22.88	23.02	22.86	24
		1	1	23.09	23.18	23.07	24
		1	1	20.95	21.03	20.99	22
	DFT-s-OFDM 16QAM	1	1	18.72	18.71	18.70	20
	DFT-s-OFDM 64QAM	1	1				
	DFT-s-OFDM 256QAM	1	1				
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.65	23.73	23.53	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	23.64	23.69	23.55	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.62	23.59	23.56	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	23.61	23.63	23.54	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.66	23.66	23.50	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	23.64	23.71	23.52	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/V2 BPSK	1	1		22.91		24.5
		1	137		22.66		24.5
		1	271		22.73		24.5
		135	0		22.84		24.5
		135	69		22.81		24.5
		135	138		22.74		24.5
		270	0		22.79		24.5
		1	1		23.16		24.5
	DFT-s-OFDM QPSK	1	137		22.86		24.5
		1	271		22.89		24.5
		135	0		23.04		24.5
		135	69		23.06		24.5
		135	138		22.86		24.5
		270	0		22.96		24.5
		1	1		23.15		24.5
		1	1		22.79		23.5
	DFT-s-OFDM 16QAM	1	1		21.19		22
	DFT-s-OFDM 64QAM	1	1				
	DFT-s-OFDM 256QAM	1	1				
BW	MCS Index	Channel		633000	63334	63366	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	23.07	23.09	22.67	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	23.01	22.92	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	22.78	22.91	22.94	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	22.95	22.87	22.95	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	22.94	22.87	22.85	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	22.81	22.93	22.75	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	22.72	22.89	22.82	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	23.09	22.85	22.91	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	23.09	22.95	23.04	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	23.09	23.12	23.09	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	23.02	22.90	22.99	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	22.52	22.66	22.65	24.5
		1	137	22.56	22.75	22.96	24.5
		1	271	22.64	22.87	22.54	24.5
		135	0	22.65	22.70	22.85	24.5
		135	69	22.55	22.77	23.03	24.5
		135	138	22.62	22.75	23.09	24.5
	DFT-s-OFDM QPSK	270	0	22.58	22.77	23.04	24.5
		1	1	22.83	22.92	23.14	24.5
		1	137	22.65	22.91	23.01	24.5
		1	271	22.82	22.90	23.12	24.5
		135	0	22.81	22.74	22.95	24.5
		135	69	22.85	22.95	23.08	24.5
	DFT-s-OFDM 16QAM	135	138	22.77	22.93	23.07	24.5
		270	0	22.79	22.84	22.98	24.5
		1	1	22.58	22.60	22.94	24.5
		1	1	22.37	22.30	22.67	23.5
	DFT-s-OFDM 64QAM	1	1	20.66	20.65	20.98	22
		1	1	20.66	20.65	20.98	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	22.77	22.66	22.90	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	22.78	22.70	23.01	24.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	22.76	22.69	23.06	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	22.73	22.76	22.97	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	22.73	22.65	22.98	24.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	22.78	22.56	22.92	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	22.79	22.54	22.79	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	22.80	22.88	22.90	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	22.81	22.91	22.87	24.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	22.76	22.89	22.85	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	22.78	22.72	22.89	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/V2 BPSK	1	1		25.76		27.5
		1	137		25.66		27.5
		1	271		25.68		27.5
		135	0		25.33		27
		135	69		25.77		27.5
		135	138		25.21		27
	DFT-s-OFDM QPSK	270	0		25.27		27
		1	1		25.93		27.5
		1	137		25.71		27.5
		1	271		25.69		27.5
		135	0		24.82		26.5
		135	69		25.76		27.5
	DFT-s-OFDM 16QAM	135	138		24.70		26.5
		270	0		24.72		26.5
		1	1		24.92		26.5
		1	1		23.19		24
	DFT-s-OFDM 64QAM	1	1		20.96		22
		1	1		20.96		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	25.72	25.85	25.77	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	25.71	25.77	25.68	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	25.70	25.84	25.87	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	25.75	25.62	25.75	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	25.74	25.88	25.72	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	25.76	25.89	25.70	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	25.81	25.84	25.82	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	25.89	25.75	25.67	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	25.56	25.69	25.66	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	25.67	25.87	25.70	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	25.89	25.83	25.72	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	25.77	25.69	25.78	27.5
		1	137	25.65	25.75	25.96	27.5
		1	271	25.53	25.89	26.05	27.5
		135	0	25.12	25.14	25.38	27
		135	69	25.62	25.75	25.99	27.5
		135	138	25.09	25.33	25.57	27
		270	0	25.06	25.23	25.51	27
	DFT-s-OFDM QPSK	1	1	25.87	25.89	26.12	27.5
		1	137	25.75	25.76	25.98	27.5
		1	271	25.54	25.85	25.96	27.5
		135	0	24.65	24.73	24.96	26.5
		135	69	25.54	25.77	25.97	27.5
		135	138	24.53	24.81	25.04	26.5
		270	0	24.55	24.72	24.98	26.5
	DFT-s-OFDM 16QAM	1	1	24.64	24.86	24.88	26.5
	DFT-s-OFDM 64QAM	1	1	22.67	22.76	22.89	24
	DFT-s-OFDM 256QAM	1	1	20.48	20.60	20.82	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	25.82	25.58	25.94	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	25.84	25.59	25.96	27.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	25.86	25.63	25.95	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	25.77	25.83	25.87	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	25.67	25.69	25.88	27.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	25.80	25.91	25.95	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	25.76	25.88	25.94	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	25.87	25.95	25.91	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	25.87	25.95	25.94	27.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	25.87	25.90	25.95	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	25.83	25.89	25.76	27.5

Receiver off_DSIH_Sim-Tx

CA_B8 (Ant2)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+upr Power
20450	829	20549	836.9	QPSK	1	49	1	0	1	24.76	25.5
				16QAM	1	49	1	0	1	23.82	24.5
				64QAM	1	49	1	0	1	23.61	23.5
				256QAM	1	49	1	0	1	19.93	20.5
20478	831.6	20575	841.5	QPSK	1	49	1	0	1	24.73	25.5
				16QAM	1	49	1	0	1	23.93	24.5
				64QAM	1	49	1	0	1	23.44	23.5
				256QAM	1	49	1	0	1	19.82	20.5
20501	834.1	20600	844	QPSK	1	49	1	0	1	24.62	25.5
				16QAM	1	49	1	0	1	23.91	24.5
				64QAM	1	49	1	0	1	22.25	23.5
				256QAM	1	49	1	0	1	19.78	20.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+upr Power
20450	829	20522	836.2	QPSK	1	49	1	0	1	24.58	25.5
				16QAM	1	49	1	0	1	23.81	24.5
				64QAM	1	49	1	0	1	22.48	23.5
				256QAM	1	49	1	0	1	19.49	20.5
20500	834	20572	841.2	QPSK	1	49	1	0	1	24.53	25.5
				16QAM	1	49	1	0	1	23.83	24.5
				64QAM	1	49	1	0	1	22.17	23.5
				256QAM	1	49	1	0	1	19.63	20.5
20550	839	20622	846.2	QPSK	1	49	1	0	1	24.46	25.5
				16QAM	1	49	1	0	1	23.70	24.5
				64QAM	1	49	1	0	1	22.13	23.5
				256QAM	1	49	1	0	1	19.54	20.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+upr Power
20428	826.8	20500	834	QPSK	1	24	1	0	1	24.54	25.5
				16QAM	1	24	1	0	1	23.82	24.5
				64QAM	1	24	1	0	1	22.55	23.5
				256QAM	1	24	1	0	1	19.80	20.5
20478	831.8	20550	839	QPSK	1	24	1	0	1	24.55	25.5
				16QAM	1	24	1	0	1	23.76	24.5
				64QAM	1	24	1	0	1	22.36	23.5
				256QAM	1	24	1	0	1	19.61	20.5
20528	836.8	20600	844	QPSK	1	24	1	0	1	24.49	25.5
				16QAM	1	24	1	0	1	23.70	24.5
				64QAM	1	24	1	0	1	22.10	23.5
				256QAM	1	24	1	0	1	19.53	20.5
Combination 5MHz+3MHz (25RB+15RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+upr Power
20425	826.5	20464	830.4	QPSK	1	24	1	0	1	24.48	25.5
				16QAM	1	24	1	0	1	23.67	24.5
				64QAM	1	24	1	0	1	22.32	23.5
				256QAM	1	24	1	0	1	19.42	20.5
20510	835	20549	838.9	QPSK	1	24	1	0	1	24.41	25.5
				16QAM	1	24	1	0	1	23.78	24.5
				64QAM	1	24	1	0	1	22.25	23.5
				256QAM	1	24	1	0	1	19.55	20.5
20595	843.5	20634	847.4	QPSK	1	24	1	0	1	24.33	25.5
				16QAM	1	24	1	0	1	23.76	24.5
				64QAM	1	24	1	0	1	22.04	23.5
				256QAM	1	24	1	0	1	19.46	20.5
Combination 3MHz+5MHz (15RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+upr Power
20416	825.6	20455	829.5	QPSK	1	14	1	0	1	24.37	25.5
				16QAM	1	14	1	0	1	23.67	24.5
				64QAM	1	14	1	0	1	22.34	23.5
				256QAM	1	14	1	0	1	19.45	20.5
20501	834.1	20540	838	QPSK	1	14	1	0	1	24.35	25.5
				16QAM	1	14	1	0	1	23.65	24.5
				64QAM	1	14	1	0	1	22.28	23.5
				256QAM	1	14	1	0	1	19.57	20.5
20586	842.6	20625	846.5	QPSK	1	14	1	0	1	24.28	25.5
				16QAM	1	14	1	0	1	23.66	24.5
				64QAM	1	14	1	0	1	22.10	23.5
				256QAM	1	14	1	0	1	19.46	20.5

CA_B8 (Ant1)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132022	1715	132121	1724.9	QPSK	1	49	1	0	1	24.13	24.5
				16QAM	1	49	1	0	1	23.34	23.5
				64QAM	1	49	1	0	1	21.69	22.5
				256QAM	1	49	1	0	1	19.17	19.5
132373	1750.1	132472	1760	QPSK	1	49	1	0	1	23.91	24.5
				16QAM	1	49	1	0	1	23.23	23.5
				64QAM	1	49	1	0	1	21.78	22.5
				256QAM	1	49	1	0	1	19.04	19.5
132523	1765.1	132622	1775	QPSK	1	49	1	0	1	23.83	24.5
				16QAM	1	49	1	0	1	23.14	23.5
				64QAM	1	49	1	0	1	21.68	22.5
				256QAM	1	49	1	0	1	19.07	19.5
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132047	1717.5	132140	1726.8	QPSK	1	74	1	0	1	23.97	24.5
				16QAM	1	74	1	0	1	23.27	23.5
				64QAM	1	74	1	0	1	21.57	22.5
				256QAM	1	74	1	0	1	19.07	19.5
132396	1752.6	132491	1761.9	QPSK	1	74	1	0	1	23.89	24.5
				16QAM	1	74	1	0	1	23.22	23.5
				64QAM	1	74	1	0	1	21.65	22.5
				256QAM	1	74	1	0	1	19.03	19.5
132549	1767.7	132642	1777	QPSK	1	74	1	0	1	23.80	24.5
				16QAM	1	74	1	0	1	23.09	23.5
				64QAM	1	74	1	0	1	21.65	22.5
				256QAM	1	74	1	0	1	19.03	19.5
Combination 5MHz+15MHz (25RB+75RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132002	1713	132095	1722.3	QPSK	1	24	1	0	1	24.01	24.5
				16QAM	1	24	1	0	1	23.21	23.5
				64QAM	1	24	1	0	1	21.59	22.5
				256QAM	1	24	1	0	1	19.02	19.5
132353	1748.1	132446	1757.4	QPSK	1	24	1	0	1	23.82	24.5
				16QAM	1	24	1	0	1	23.15	23.5
				64QAM	1	24	1	0	1	21.77	22.5
				256QAM	1	24	1	0	1	18.92	19.5
132504	1763.2	132597	1772.5	QPSK	1	24	1	0	1	23.71	24.5
				16QAM	1	24	1	0	1	23.13	23.5
				64QAM	1	24	1	0	1	21.60	22.5
				256QAM	1	24	1	0	1	18.99	19.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132022	1715	132094	1722.2	QPSK	1	49	1	0	1	23.84	24.5
				16QAM	1	49	1	0	1	23.17	23.5
				64QAM	1	49	1	0	1	21.62	22.5
				256QAM	1	49	1	0	1	19.00	19.5
132397	1752.5	132489	1759.7	QPSK	1	49	1	0	1	23.86	24.5
				16QAM	1	49	1	0	1	23.05	23.5
				64QAM	1	49	1	0	1	21.70	22.5
				256QAM	1	49	1	0	1	18.86	19.5
132572	1770	132644	1777.2	QPSK	1	49	1	0	1	23.58	24.5
				16QAM	1	49	1	0	1	22.99	23.5
				64QAM	1	49	1	0	1	21.63	22.5
				256QAM	1	49	1	0	1	18.91	19.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132000	1712.8	132072	1720	QPSK	1	24	1	0	1	23.85	24.5
				16QAM	1	24	1	0	1	23.11	23.5
				64QAM	1	24	1	0	1	21.54	22.5
				256QAM	1	24	1	0	1	18.91	19.5
132375	1750.3	132447	1757.5	QPSK	1	24	1	0	1	23.82	24.5
				16QAM	1	24	1	0	1	23.14	23.5
				64QAM	1	24	1	0	1	21.58	22.5
				256QAM	1	24	1	0	1	18.85	19.5
132550	1767.8	132622	1775	QPSK	1	24	1	0	1	23.63	24.5
				16QAM	1	24	1	0	1	23.00	23.5
				64QAM	1	24	1	0	1	21.50	22.5
				256QAM	1	24	1	0	1	18.86	19.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
131997	1712.5	132045	1717.3	QPSK	1	24	1	0	1	23.89	24.5
				16QAM	1	24	1	0	1	23.19	23.5
				64QAM	1	24	1	0	1	21.55	22.5
				256QAM	1	24	1	0	1	18.92	19.5
132398	1777.5	132446	1782.3	QPSK	1	24	1	0	1	23.83	24.5
				16QAM	1	24	1	0	1	23.12	23.5
				64QAM	1	24	1	0	1	21.66	22.5
				256QAM	1	24	1	0	1	18.77	19.5
132599	1772.7	132647	1777.5	QPSK	1	24	1	0	1	23.55	24.5
				16QAM	1	24	1	0	1	22.81	23.5
				64QAM	1	24	1	0	1	21.63	22.5
				256QAM	1	24	1	0	1	18.88	19.5

CA_66C (Ant1)										
Combination 20MHz+20MHz (100RB+100RB)										
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		
132072	1720	132270	1739.8	QPSK	1	99	1	0	23.91	24.5
				16QAM	1	99	1	0	23.26	23.5
				64QAM	1	99	1	0	21.31	22.5
				256QAM	1	99	1	0	18.99	19.5
132323	1745.1	132521	1764.9	QPSK	1	99	1	0	24.07	24.5
				16QAM	1	99	1	0	23.07	23.5
				64QAM	1	99	1	0	21.71	22.5
				256QAM	1	99	1	0	18.99	19.5
132374	1750.2	132572	1770	QPSK	1	99	1	0	23.86	24.5
				16QAM	1	99	1	0	23.05	23.5
				64QAM	1	99	1	0	21.17	22.5
				256QAM	1	99	1	0	18.94	19.5
Combination 20MHz+15MHz (100RB+75RB)										
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		
132072	1720	132243	1737.1	QPSK	1	99	1	0	23.79	24.5
				16QAM	1	99	1	0	23.14	23.5
				64QAM	1	99	1	0	21.19	22.5
				256QAM	1	99	1	0	18.96	19.5
132346	1747.6	132519	1764.7	QPSK	1	99	1	0	23.77	24.5
				16QAM	1	99	1	0	22.98	23.5
				64QAM	1	99	1	0	21.65	22.5
				256QAM	1	99	1	0	18.96	19.5
132423	1756.1	132594	1772.2	QPSK	1	99	1	0	23.85	24.5
				16QAM	1	99	1	0	22.96	23.5
				64QAM	1	99	1	0	21.10	22.5
				256QAM	1	99	1	0	18.96	19.5
Combination 15MHz+20MHz (75RB+100RB)										
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		
132060	1717.8	132221	1734.9	QPSK	1	74	1	0	23.83	24.5
				16QAM	1	74	1	0	23.17	23.5
				64QAM	1	74	1	0	21.25	22.5
				256QAM	1	74	1	0	18.88	19.5
132325	1745.3	132496	1762.4	QPSK	1	74	1	0	23.83	24.5
				16QAM	1	74	1	0	23.02	23.5
				64QAM	1	74	1	0	21.64	22.5
				256QAM	1	74	1	0	18.90	19.5
132401	1752.9	132572	1770	QPSK	1	74	1	0	23.81	24.5
				16QAM	1	74	1	0	22.95	23.5
				64QAM	1	74	1	0	21.19	22.5
				256QAM	1	74	1	0	18.79	19.5
Combination 20MHz+10MHz (100RB+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		
132072	1720	132216	1734.4	QPSK	1	99	1	0	23.85	24.5
				16QAM	1	99	1	0	23.30	23.5
				64QAM	1	99	1	0	21.63	22.5
				256QAM	1	99	1	0	19.10	19.5
132373	1750.1	132517	1764.5	QPSK	1	99	1	0	23.79	24.5
				16QAM	1	99	1	0	23.24	23.5
				64QAM	1	99	1	0	21.69	22.5
				256QAM	1	99	1	0	19.04	19.5
132473	1760.1	132617	1774.5	QPSK	1	99	1	0	23.74	24.5
				16QAM	1	99	1	0	23.15	23.5
				64QAM	1	99	1	0	21.58	22.5
				256QAM	1	99	1	0	19.03	19.5
Combination 10MHz+20MHz (50RB+100RB)										
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		
132027	1715.5	132171	1729.9	QPSK	1	49	1	0	23.69	24.5
				16QAM	1	49	1	0	23.19	23.5
				64QAM	1	49	1	0	21.55	22.5
				256QAM	1	49	1	0	19.04	19.5
132328	1745.6	132472	1760	QPSK	1	49	1	0	23.66	24.5
				16QAM	1	49	1	0	23.09	23.5
				64QAM	1	49	1	0	21.62	22.5
				256QAM	1	49	1	0	18.91	19.5
132428	1756.6	132572	1770	QPSK	1	49	1	0	23.60	24.5
				16QAM	1	49	1	0	22.90	23.5
				64QAM	1	49	1	0	21.54	22.5
				256QAM	1	49	1	0	18.91	19.5
Combination 15MHz+15MHz (75RB+75RB)										
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		
132047	1717.5	132197	1732.5	QPSK	1	74	1	0	23.92	24.5
				16QAM	1	74	1	0	23.29	23.5
				64QAM	1	74	1	0	21.52	22.5
				256QAM	1	74	1	0	19.15	19.5
132347	1747.5	132497	1762.5	QPSK	1	74	1	0	23.65	24.5
				16QAM	1	74	1	0	23.05	23.5
				64QAM	1	74	1	0	21.56	22.5
				256QAM	1	74	1	0	18.99	19.5
132447	1757.5	132597	1772.5	QPSK	1	74	1	0	23.65	24.5
				16QAM	1	74	1	0	22.98	23.5
				64QAM	1	74	1	0	21.61	22.5
				256QAM	1	74	1	0	18.91	19.5
Combination 15MHz+10MHz (75RB+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		
132047	1717.5	132167	1729.5	QPSK	1	74	1	0	23.85	24.5
				16QAM	1	74	1	0	23.18	23.5
				64QAM	1	74	1	0	21.42	22.5
				256QAM	1	74	1	0	18.92	19.5
132373	1750.1	132493	1762.1	QPSK	1	74	1	0	23.61	24.5
				16QAM	1	74	1	0	23.00	23.5
				64QAM	1	74	1	0	21.57	22.5
				256QAM	1	74	1	0	18.96	19.5
132496	1762.7	132619	1774.7	QPSK	1	74	1	0	23.58	24.5
				16QAM	1	74	1	0	23.00	23.5
				64QAM	1	74	1	0	21.53	22.5
				256QAM	1	74	1	0	18.86	19.5
Combination 10MHz+15MHz (50RB+75RB)										
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		
132025	1715.3	132145	1727.3	QPSK	1	49	1	0	23.96	24.5
				16QAM	1	49	1	0	23.15	23.5
				64QAM	1	49	1	0	21.37	22.5
				256QAM	1	49	1	0	18.93	19.5
132351	1747.9	132471	1759.9	QPSK	1	49	1	0	23.67	24.5
				16QAM	1	49	1	0	22.97	23.5
				64QAM	1	49	1	0	21.43	22.5
				256QAM	1	49	1	0	18.94	19.5
132477	1760.5	132597	1772.5	QPSK	1	49	1	0	23.55	24.5
				16QAM	1	49	1	0	22.92	23.5
				64QAM	1	49	1	0	21.49	22.5
				256QAM	1	49	1	0	18.99	19.5
Combination 20MHz+5MHz (100RB+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		
132072	1720	132189	1731.7	QPSK	1	99	1	0	23.95	24.5
				16QAM	1	99	1	0	23.18	23.5
				64QAM	1	99	1	0	21.41	22.5
				256QAM	1	99	1	0	18.93	19.5
132397	1752.5	132514	1764.2	QPSK	1	99	1	0	23.66	24.5
				16QAM	1	99	1	0	22.99	23.5
				64QAM	1	99	1	0	21.50	22.5
				256QAM	1	99	1	0	18.91	19.5
132522	1765	132639	1776.7	QPSK	1	99	1	0	23.41	24.5
				16QAM	1	99	1	0	22.29	23.5
				64QAM	1	99	1	0	21.48	22.5
				256QAM	1	99	1	0	18.86	19.5
Combination 5MHz+20MHz (25RB+100RB)										
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		
132005	1713.3	132122	1725	QPSK	1	24	1	0	23.87	24.5
				16QAM	1	24	1	0	23.18	23.5
				64QAM	1	24	1	0	21.38	22.5
				256QAM	1	24	1	0	18.89	19.5
132330	1745.8	132447	1757.5	QPSK	1	24	1	0	23.93	24.5
				16QAM	1	24	1	0	23.05	23.5
				64QAM	1	24	1	0	21.46	22.5
				256QAM	1	24	1	0	18.85	19.5
132455	1758.3	132572	1770	QPSK	1	24	1	0	23.81	24.5
				16QAM	1	24	1	0	22.90	23.5
				64QAM	1	24	1	0	21.44	22.5
				256QAM	1	24	1	0	18.89	19.5

Receiver off_DS14_Sim-Tx

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	15.60		17	
		1	137	15.45		17	
		1	271	15.44		17	
		135	0	15.67		17	
		135	69	15.38		17	
		135	138	15.40		17	
		270	0	15.47		17	
	DFT-s-OFDM QPSK	1	1	15.86		17	
		1	137	15.49		17	
		1	271	15.59		17	
		135	0	15.70		17	
		135	69	15.84		17	
		135	138	15.68		17	
		270	0	15.60		17	
	DFT-s-OFDM 16QAM	1	1	15.81		17	
	DFT-s-OFDM 64QAM	1	1	15.50		16	
	DFT-s-OFDM 256QAM	1	1	13.92		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	15.79	15.85	15.82	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	15.75	15.71	15.68	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	15.73	15.84	15.74	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	15.67	15.71	15.75	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	15.65	15.74	15.81	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	15.70	15.76	15.81	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	15.71	15.70	15.75	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	15.64	15.73	15.67	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	15.72	15.77	15.75	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	15.70	15.77	15.80	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	15.73	15.80	15.67	17

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	15.54	15.79	15.66	17
		1	137	15.61	15.85	16.18	17
		1	271	15.74	15.92	15.47	17
		135	0	15.76	15.90	15.98	17
		135	69	15.62	15.80	16.10	17
		135	138	15.84	15.84	16.27	17
		270	0	15.67	15.96	16.16	17
	DFT-s-OFDM QPSK	1	1	15.99	16.15	16.29	17
		1	137	15.76	16.01	16.12	17
		1	271	15.90	16.06	16.27	17
		135	0	15.96	15.80	16.15	17
		135	69	15.98	16.14	16.17	17
		135	138	15.87	16.09	16.16	17
		270	0	16.03	15.94	16.10	17
	DFT-s-OFDM 16QAM	1	1	15.68	15.72	16.02	17
	DFT-s-OFDM 64QAM	1	1	15.49	15.33	15.78	16
	DFT-s-OFDM 256QAM	1	1	13.69	13.84	14.16	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	15.90	16.03	16.15	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	15.94	16.04	16.14	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	16.05	16.14	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	15.90	16.13	16.18	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	15.90	16.03	16.27	17
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	15.98	16.14	16.25	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	15.89	16.06	16.22	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	15.98	16.00	16.28	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	15.88	16.03	16.19	17
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	15.86	16.01	16.28	17
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	15.91	16.13	16.28	17

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			20.55	21.5
		1	137			20.29	21.5
		1	271			20.25	21.5
		135	0			20.56	21.5
		135	69			20.29	21.5
		135	138			20.33	21.5
		270	0			20.40	21.5
	DFT-s-OFDM QPSK	1	1			20.83	21.5
		1	137			20.44	21.5
		1	271			20.53	21.5
		135	0			20.65	21.5
		135	69			20.69	21.5
		135	138			20.50	21.5
		270	0			20.56	21.5
	DFT-s-OFDM 16QAM	1	1			20.59	21.5
	DFT-s-OFDM 64QAM	1	1			20.41	21
	DFT-s-OFDM 256QAM	1	1			18.82	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	20.77	20.80	20.82	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	20.66	20.66	20.75	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	20.74	20.69	20.74	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	20.70	20.79	20.77	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	20.62	20.75	20.79	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	20.63	20.65	20.80	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	20.76	20.65	20.73	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	20.72	20.74	20.81	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	20.62	20.66	20.72	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	20.66	20.71	20.78	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	20.67	20.75	20.80	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	20.21	20.30	20.26	21.5
		1	137	20.20	20.64	20.41	21.5
		1	271	20.32	19.92	20.60	21.5
		135	0	20.39	20.42	20.36	21.5
		135	69	20.23	20.61	20.32	21.5
		135	138	20.39	20.80	20.36	21.5
		270	0	20.31	20.68	20.52	21.5
	DFT-s-OFDM QPSK	1	1	20.55	20.90	20.67	21.5
		1	137	20.39	20.61	20.51	21.5
		1	271	20.45	20.86	20.54	21.5
		135	0	20.54	20.60	20.47	21.5
		135	69	20.48	20.77	20.59	21.5
		135	138	20.44	20.75	20.60	21.5
		270	0	20.47	20.64	20.50	21.5
	DFT-s-OFDM 16QAM	1	1	20.26	20.54	20.33	21.5
	DFT-s-OFDM 64QAM	1	1	20.02	20.32	19.94	21
	DFT-s-OFDM 256QAM	1	1	18.24	18.59	18.33	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	20.47	20.79	20.66	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	20.43	20.89	20.60	21.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	20.40	20.81	20.66	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	20.45	20.87	20.54	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	20.54	20.76	20.60	21.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	20.42	20.82	20.65	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	20.53	20.86	20.56	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	20.53	20.77	20.65	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	20.40	20.87	20.65	21.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	20.45	20.75	20.53	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	20.49	20.82	20.55	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	17.45		19	
		1	137	17.07		19	
		1	271	17.03		19	
		135	0	17.39		19	
		135	69	17.11		19	
		135	138	17.11		19	
		270	0	17.27		19	
	DFT-s-OFDM QPSK	1	1	17.73		19	
		1	137	17.23		19	
		1	271	17.39		19	
		135	0	17.40		19	
		135	69	17.50		19	
		135	138	17.25		19	
		270	0	17.47		19	
	DFT-s-OFDM 16QAM	1	1	17.26		19	
	DFT-s-OFDM 64QAM	1	1	17.05		18	
	DFT-s-OFDM 256QAM	1	1	15.61		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	17.70	17.72	17.69	19
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	17.66	17.59	17.59	19
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	17.56	17.57	17.55	19
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	17.64	17.70	17.62	19
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	17.61	17.69	17.54	19
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	17.68	17.69	17.67	19
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	17.65	17.68	17.68	19
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	17.60	17.71	17.67	19
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	17.57	17.68	17.65	19
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	17.61	17.57	17.56	19
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	17.56	17.57	17.62	19

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	17.59	17.55	17.54	19
		1	137	17.39	17.91	17.73	19
		1	271	17.63	17.12	17.78	19
		135	0	17.71	17.62	17.67	19
		135	69	17.49	17.84	17.57	19
		135	138	17.62	18.10	17.58	19
		270	0	17.55	17.96	17.86	19
	DFT-s-OFDM QPSK	1	1	17.96	18.27	18.21	19
		1	137	17.74	17.90	17.76	19
		1	271	17.77	18.19	17.80	19
		135	0	17.72	17.93	17.77	19
		135	69	17.78	18.13	17.85	19
		135	138	17.74	18.10	18.03	19
		270	0	17.71	18.01	17.75	19
	DFT-s-OFDM 16QAM	1	1	17.51	17.86	17.66	19
	DFT-s-OFDM 64QAM	1	1	17.30	17.66	17.14	18
	DFT-s-OFDM 256QAM	1	1	15.50	15.80	15.64	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	17.85	18.22	18.08	19
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	17.90	18.14	18.18	19
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	17.89	18.25	18.11	19
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	17.88	18.14	18.20	19
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	17.81	18.24	18.11	19
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	17.85	18.24	18.20	19
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	17.88	18.13	18.11	19
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	17.87	18.21	18.13	19
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	17.88	18.22	18.20	19
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	17.91	18.19	18.18	19
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	17.88	18.14	18.10	19

Receiver on_DS15_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	32.96	32.01	32.84	33.50	30.40	29.32	29.21	31.00
GPRS 1Tx Slot	32.98	32.06	32.86	33.50	30.42	29.34	29.28	31.00
GPRS 2Tx Slot	30.98	30.11	30.50	31.50	28.53	27.65	27.51	29.50
GPRS 3Tx Slot	28.97	28.12	28.79	29.50	26.54	25.47	25.42	27.00
GPRS 4Tx Slot	26.82	26.77	27.78	28.50	25.60	24.36	24.04	26.00
EDGE 1Tx Slot	27.34	26.05	27.59	28.00	26.49	25.42	25.48	27.00
EDGE 2Tx Slot	25.55	24.44	25.93	26.00	24.98	24.01	24.08	25.50
EDGE 3Tx Slot	23.12	22.53	23.57	24.00	21.73	21.77	22.53	23.00
EDGE 4Tx Slot	21.83	21.17	22.34	23.00	20.28	20.31	21.35	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	24.35	24.31	24.34	25.00	24.24	24.26	24.27	25.00
HSDPA Subtest-1	23.31	23.41	23.32	24.00	23.24	23.24	23.23	24.00
HSDPA Subtest-2	23.40	23.31	23.34	24.00	23.32	23.32	23.22	24.00
HSDPA Subtest-3	22.81	22.83	22.80	23.50	22.68	22.70	22.74	23.50
HSDPA Subtest-4	22.72	22.77	22.78	23.50	22.73	22.75	22.64	23.50
DC-HSDPA Subtest-1	23.28	23.25	23.28	24.00	23.25	23.25	23.16	24.00
DC-HSDPA Subtest-2	23.25	23.26	23.31	24.00	23.17	23.33	23.17	24.00
DC-HSDPA Subtest-3	22.72	22.74	22.75	23.50	22.62	22.64	22.64	23.50
DC-HSDPA Subtest-4	22.63	22.62	22.77	23.50	22.60	22.50	22.62	23.50
HSUPA Subtest-1	23.40	23.48	23.40	24.00	23.28	23.22	23.21	24.00
HSUPA Subtest-2	22.87	22.84	22.81	23.50	22.68	22.75	22.74	23.50
HSUPA Subtest-3	23.32	23.29	23.32	24.00	23.17	23.24	23.17	24.00
HSUPA Subtest-4	23.27	23.24	23.27	24.00	23.26	23.33	23.20	24.00
HSUPA Subtest-5	23.29	23.27	23.25	24.00	23.25	23.27	23.26	24.00

Receiver on_DSS_Bm7c

LTE Band 2 (Aur1)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max	Time-Step (dBm)	Max
		Channel	Frequency (MHz)	1920	1980	1980	Turn-up		
20M	QPSK	1	0	23.81	23.85	23.82	24.5		
		1	50	23.80	23.81	23.81	24.5		
		1	100	23.82	23.83	23.83	24.5		
		50	0	22.45	22.49	22.41	23.5		
		50	50	22.48	22.49	22.47	23.5		
		100	0	22.41	22.42	22.40	23.5		
		100	50	22.44	22.45	22.47	23.5		
		1	50	22.74	22.75	22.61	23.5		
		1	99	22.71	22.63	22.65	23.5		
		50	25	21.47	21.43	21.42	22.5		
20M	QPSK	1	0	21.84	21.82	21.85	22.5		
		1	50	21.82	21.85	21.82	22.5		
		1	99	21.48	21.71	21.60	22.5		
		50	0	20.44	20.49	20.48	21.5		
		50	50	20.47	20.54	20.51	21.5		
		100	0	20.46	20.48	20.48	21.5		
		100	50	20.47	20.48	20.47	21.5		
		1	50	18.46	18.50	18.46	19.5		
		1	99	18.58	18.44	18.47	19.5		
		50	25	16.43	16.43	16.43	19.5		
20M	QPSK	1	0	18.52	18.45	18.42	19.5		
		1	50	18.54	18.46	18.43	19.5		
		100	0	18.57	18.41	18.55	19.5		
20M	QPSK	1	0	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	0	18.57	18.55	18.55	19.5		
		50	50	18.57	18.55	18.55	19.5		
		100	0	18.57	18.55	18.55	19.5		
		100	50	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	25	18.57	18.55	18.55	19.5		
20M	QPSK	1	0	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	0	18.57	18.55	18.55	19.5		
		50	50	18.57	18.55	18.55	19.5		
		100	0	18.57	18.55	18.55	19.5		
		100	50	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	25	18.57	18.55	18.55	19.5		
20M	QPSK	1	0	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	0	18.57	18.55	18.55	19.5		
		50	50	18.57	18.55	18.55	19.5		
		100	0	18.57	18.55	18.55	19.5		
		100	50	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	25	18.57	18.55	18.55	19.5		
20M	QPSK	1	0	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	0	18.57	18.55	18.55	19.5		
		50	50	18.57	18.55	18.55	19.5		
		100	0	18.57	18.55	18.55	19.5		
		100	50	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	25	18.57	18.55	18.55	19.5		
20M	QPSK	1	0	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	0	18.57	18.55	18.55	19.5		
		50	50	18.57	18.55	18.55	19.5		
		100	0	18.57	18.55	18.55	19.5		
		100	50	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	25	18.57	18.55	18.55	19.5		
20M	QPSK	1	0	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	0	18.57	18.55	18.55	19.5		
		50	50	18.57	18.55	18.55	19.5		
		100	0	18.57	18.55	18.55	19.5		
		100	50	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	25	18.57	18.55	18.55	19.5		
20M	QPSK	1	0	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	0	18.57	18.55	18.55	19.5		
		50	50	18.57	18.55	18.55	19.5		
		100	0	18.57	18.55	18.55	19.5		
		100	50	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	25	18.57	18.55	18.55	19.5		
20M	QPSK	1	0	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	0	18.57	18.55	18.55	19.5		
		50	50	18.57	18.55	18.55	19.5		
		100	0	18.57	18.55	18.55	19.5		
		100	50	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	25	18.57	18.55	18.55	19.5		
20M	QPSK	1	0	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	0	18.57	18.55	18.55	19.5		
		50	50	18.57	18.55	18.55	19.5		
		100	0	18.57	18.55	18.55	19.5		
		100	50	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	25	18.57	18.55	18.55	19.5		
20M	QPSK	1	0	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	0	18.57	18.55	18.55	19.5		
		50	50	18.57	18.55	18.55	19.5		
		100	0	18.57	18.55	18.55	19.5		
		100	50	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	25	18.57	18.55	18.55	19.5		
20M	QPSK	1	0	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	0	18.57	18.55	18.55	19.5		
		50	50	18.57	18.55	18.55	19.5		
		100	0	18.57	18.55	18.55	19.5		
		100	50	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	25	18.57	18.55	18.55	19.5		
20M	QPSK	1	0	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	0	18.57	18.55	18.55	19.5		
		50	50	18.57	18.55	18.55	19.5		
		100	0	18.57	18.55	18.55	19.5		
		100	50	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		
		1	99	18.57	18.55	18.55	19.5		
		50	25	18.57	18.55	18.55	19.5		
20M	QPSK	1	0	18.57	18.55	18.55	19.5		
		1	50	18.57	18.55	18.55	19.5		

LTE Band 12 (Aar2)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (MHz)	Channel	Max. Time-up (MHz)
		Frequency (MHz)	798.5	798.5	798.5				
10M	QPSK	1	0	24.08	24.08	24.08	25.5		
		1	24	24.12	24.11	24.08	25.5		
		1	49	24.17	24.01	23.97	25.5		
		25	0	23.11	23.10	23.07	24.5		
		25	12	23.21	23.15	23.14	24.5		
	16QAM	25	25	23.15	23.11	23.14	24.5		
		50	0	23.19	23.16	23.18	24.5		
		50	24	23.26	23.21	23.24	24.5		
		1	49	23.27	23.26	23.21	24.5		
		25	12	22.21	22.15	22.14	23.5		
10M	16QAM	25	25	22.18	22.12	22.11	23.5		
		50	0	22.18	22.12	22.11	23.5		
		1	0	22.22	22.21	22.19	23.5		
		1	24	22.21	22.20	22.19	23.5		
		1	49	22.22	22.16	22.21	23.5		
	64QAM	25	0	21.12	21.12	21.08	22.5		
		25	12	21.12	21.10	21.09	22.5		
		25	25	21.18	21.13	21.21	22.5		
		50	0	21.14	21.15	21.18	22.5		
		1	24	21.15	21.26	21.25	20.5		
250M	QPSK	1	24	19.21	19.31	19.27	20.5		
		1	49	19.28	19.28	19.24	20.5		
		25	0	18.15	18.17	18.14	20.5		
		25	12	18.24	18.23	18.21	20.5		
		25	25	18.18	18.22	18.19	20.5		
	16QAM	50	0	18.28	18.18	18.19	20.5		
		1	24	19.21	19.31	19.27	20.5		
		1	49	19.28	19.28	19.24	20.5		
		25	0	18.15	18.17	18.14	20.5		
		25	12	18.24	18.23	18.21	20.5		
BW	Modulation	Channel	2385	2385	2385	Max. Time-up (MHz)	Channel	Max. Time-up (MHz)	Max. Time-up (MHz)
		Frequency (MHz)	798.5	798.5	798.5				
	QPSK	1	0	24.07	24.08	23.92	25.5		
		1	12	24.00	24.01	24.04	25.5		
		1	24	23.89	23.89	23.89	25.5		
		12	0	23.89	23.85	23.83	24.5		
		12	6	23.07	23.05	23.03	24.5		
		12	13	23.03	23.08	23.03	24.5		
		25	0	23.07	23.08	23.14	24.5		
		1	0	23.28	23.24	23.18	24.5		
1		12	23.23	23.21	23.26	24.5			
1		24	23.21	23.13	23.18	24.5			
16QAM	12	0	22.18	22.09	22.10	23.5			
	12	6	22.09	22.09	22.10	23.5			
	12	13	22.05	22.07	22.05	23.5			
	25	0	22.15	22.03	22.16	23.5			
	1	0	22.18	22.16	22.16	23.5			
	1	12	22.13	22.13	22.20	23.5			
	12	0	21.08	21.09	21.10	22.5			
	25	0	21.07	21.09	21.09	22.5			
	1	0	19.07	19.13	19.09	20.5			
	1	24	19.10	19.08	19.11	20.5			
250M	QPSK	12	0	18.08	18.03	18.04	20.5		
		12	6	18.01	18.08	18.06	20.5		
		12	13	18.05	18.04	18.05	20.5		
		25	0	18.02	18.06	18.08	20.5		
		25	12	18.02	18.06	18.06	20.5		
	16QAM	25	25	18.05	18.04	18.05	20.5		
		50	0	18.02	18.06	18.08	20.5		
		1	24	19.10	19.08	19.11	20.5		
		1	49	19.28	19.28	19.24	20.5		
		25	0	18.15	18.17	18.14	20.5		
BW	Modulation	Channel	2385	2385	2385	Max. Time-up (MHz)	Channel	Max. Time-up (MHz)	Max. Time-up (MHz)
		Frequency (MHz)	798.5	798.5	798.5				
	QPSK	1	0	24.06	24.01	23.92	25.5		
		1	7	24.04	24.00	24.02	25.5		
		1	14	23.92	23.91	23.91	25.5		
		8	0	23.02	23.08	22.94	24.5		
		8	3	23.09	23.13	23.11	24.5		
		8	7	23.07	23.02	23.11	24.5		
		15	0	23.09	23.04	23.15	24.5		
		1	0	23.29	23.21	23.21	24.5		
1		14	23.18	23.13	23.07	24.5			
8		0	22.01	22.02	22.01	23.5			
16QAM	8	3	22.03	22.12	22.11	23.5			
	8	7	22.11	22.06	22.01	23.5			
	15	0	22.01	22.05	22.10	23.5			
	1	0	22.21	22.12	22.18	23.5			
	1	7	22.18	22.18	22.25	23.5			
	1	14	22.11	22.13	22.17	23.5			
	8	0	21.02	21.01	20.95	22.5			
	8	3	21.03	21.06	21.10	22.5			
	8	7	21.07	21.12	21.16	22.5			
	15	0	21.03	21.01	21.05	22.5			
250M	QPSK	1	7	19.10	19.16	19.14	20.5		
		1	14	19.12	19.08	19.10	20.5		
		8	0	18.08	18.07	18.03	20.5		
		8	3	18.08	18.10	18.10	20.5		
		8	7	18.04	18.09	18.10	20.5		
	16QAM	15	0	18.01	18.01	18.05	20.5		
		1	0	18.01	18.01	18.05	20.5		
		1	7	18.01	18.01	18.05	20.5		
		1	14	18.01	18.01	18.05	20.5		
		8	0	18.01	18.08	20.09	20.5		
BW	Modulation	Channel	2385	2385	2385	Max. Time-up (MHz)	Channel	Max. Time-up (MHz)	Max. Time-up (MHz)
		Frequency (MHz)	798.5	798.5	798.5				
	QPSK	1	2	24.09	24.10	23.97	25.5		
		3	1	24.08	24.09	24.00	25.5		
		3	1	24.00	24.10	24.00	25.5		
		3	1	24.04	24.08	24.11	25.5		
		3	1	24.04	24.09	24.10	25.5		
		6	0	23.15	23.02	23.15	24.5		
		1	0	23.33	23.26	23.17	24.5		
		3	1	23.18	23.22	23.30	24.5		
1		5	23.16	23.11	23.19	24.5			
3		0	23.10	23.15	23.10	24.5			
16QAM	3	0	23.01	23.05	23.03	24.5			
	3	3	23.08	23.04	23.07	24.5			
	6	0	23.13	23.08	23.10	24.5			
	1	0	23.16	23.20	23.20	24.5			
	1	2	23.18	23.18	23.21	23.5			
	3	0	23.22	23.12	23.22	23.5			
	3	0	21.09	22.09	21.06	23.5			
	3	1	21.08	22.08	21.06	23.5			
	3	1	21.07	22.07	21.06	23.5			
	6	0	21.08	21.08	21.17	22.5			
250M	QPSK	1	2	19.01	19.01	19.01	20.5		
		1	0	18.06	19.15	19.14	20.5		
		5	0	19.01	18.06	19.14	20.5		
		0	19.01	19.08	19.08	20.5			
		3	1	20.01	20.09	20.11	20.5		
	16QAM	3	1	20.00	19.93	20.00	20.5		
		3	1	19.11	19.03	19.11	20.5		
		3	1	19.11	19.03	19.11	20.5		
		3	1	19.11	19.03	19.11	20.5		
		3	1	19.11	19.03	19.11	20.5		

LTE Band 13 (Ar2)									
BW	Modulation	RB Size	RB Offset	2385			Max. Time-up (MHz)		
		Frequency (MHz)	798.5	798.5	798.5				
10M	QPSK	1	0	24.18	24.18	24.18	25.5		
		1	24	24.12	24.11	24.11	25.5		
		1	49	24.17	23.97	23.97	25.5		
		25	0	23.11	23.10	23.07	24.5		
		25	25	23.15	23.14	23.14	24.5		
10M	16QAM	25	0	23.15	23.11	23.14	24.5		
		50	0	23.18	23.18	23.18	24.5		
		50	24	23.20	23.19	23.19	24.5		
		1	24	23.25	23.21	23.24	24.5		
		1	49	23.27	23.26	23.21	24.5		
10M	64QAM	25	0	22.25	22.18	22.21	23.5		
		25	12	22.27	22.22	22.18	23.5		
		25	25	22.18	22.18	22.11	23.5		
		50	0	22.18	22.18	22.17	23.5		
		1	0	22.22	22.21	22.19	23.5		
10M	256QAM	1	24	19.24	19.24	19.24	20.5		
		1	49	19.28	19.28	19.28	20.5		
		25	0	18.15	18.14	18.14	20.5		
		25	12	18.24	18.23	18.23	20.5		
		25	25	18.18	18.22	18.19	20.5		
20M	Modulation	Channel	2385	798.5	2385	798.5	Max. Time-up (MHz)		
		1	0	24.08	23.85	23.95	25.5		
		1	12	23.98	23.98	24.59	25.5		
		1	24	23.93	23.93	23.83	25.5		
		12	0	23.06	22.88	22.96	24.5		
		12	6	23.06	22.88	22.98	24.5		
		12	13	23.03	22.88	22.93	24.5		
		25	0	23.03	22.87	22.95	24.5		
		25	6	23.07	22.87	22.94	24.5		
		1	12	23.23	23.17	23.22	24.5		
20M	16QAM	1	24	23.15	23.02	23.19	24.5		
		1	0	22.02	21.85	22.10	23.5		
		12	6	22.00	21.83	22.02	23.5		
		12	13	22.00	21.83	21.91	23.5		
		25	0	21.92	21.82	22.00	23.5		
		1	0	22.04	22.00	22.00	23.5		
		1	12	22.07	22.01	22.09	23.5		
		1	24	22.15	22.05	22.21	23.5		
		25	0	21.64	20.95	21.68	22.5		
		12	6	21.66	20.96	21.63	22.5		
20M	64QAM	12	13	21.71	20.93	21.60	22.5		
		25	0	20.98	20.88	20.99	22.5		
		1	0	19.92	19.96	19.96	20.5		
		1	12	19.18	19.09	19.13	20.5		
		1	24	19.19	19.02	19.20	20.5		
		12	0	18.98	18.98	18.98	20.5		
		12	6	19.00	18.99	18.98	20.5		
		12	13	19.00	18.99	19.00	20.5		
		25	0	18.05	18.05	18.05	20.5		

Receiver on_DSIS_Sim-Tx

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Channel	Mid	High	Max. Tune-up (dBm)
				372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	23.33	23.30	23.33	24.5
		1	53	23.24	23.33	23.24	24.5
		1	104	23.23	23.29	23.12	24.5
		50	0	23.36	23.35	23.34	24.5
		50	28	23.35	23.30	23.38	24.5
		50	56	23.38	23.33	23.32	24.5
	DFT-s-OFDM QPSK	100	0	23.37	23.31	23.37	24.5
		1	1	23.38	23.39	23.37	24.5
		1	53	23.26	23.37	23.36	24.5
		1	104	23.25	23.29	23.28	24.5
		50	0	22.82	22.92	22.84	23.5
		50	28	23.33	23.37	23.36	24.5
	DFT-s-OFDM 16QAM	50	56	22.91	22.92	22.84	23.5
		100	0	22.93	22.95	22.90	23.5
		1	1	21.94	22.86	22.97	23.5
		1	1	21.39	21.57	20.95	22.5
		1	1	19.38	18.84	18.82	20.5
		1	1	19.38	18.84	18.82	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	23.34	23.32	23.36	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.32	23.35	23.34	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	23.31	23.33	23.35	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	23.26	23.27	23.25	24.5
		1	53	23.23	23.35	23.29	24.5
		1	104	23.28	23.29	23.21	24.5
		50	0	23.35	23.40	23.36	24.5
		50	28	23.30	23.44	23.37	24.5
		50	56	23.37	23.42	23.45	24.5
	DFT-s-OFDM QPSK	100	0	23.32	23.47	23.39	24.5
		1	1	23.42	23.48	23.38	24.5
		1	53	23.32	23.33	23.32	24.5
		1	104	23.41	23.44	23.36	24.5
		50	0	23.37	23.45	23.33	24.5
		50	28	23.41	23.47	23.39	24.5
	DFT-s-OFDM 16QAM	50	56	23.32	23.39	23.38	24.5
		100	0	23.42	23.46	23.43	24.5
		1	1	23.46	23.44	23.45	24.5
		1	1	21.38	21.49	21.50	22.5
		1	1	19.32	19.41	19.34	20.5
		1	1	19.32	19.41	19.34	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	23.40	23.32	23.39	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	23.41	23.34	23.35	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	23.38	23.34	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/V2 BPSK	1	1	23.66	23.76	23.77	24.5
		1	108	23.69	23.58	23.71	24.5
		1	214	23.73	23.62	23.77	24.5
		108	0	23.01	23.04	22.95	24
		108	54	23.61	23.56	23.73	24.5
		108	108	22.95	22.93	22.73	24
		216	0	22.92	22.97	22.88	24
		1	1	23.68	23.79	23.76	24.5
	DFT-s-OFDM QPSK	1	108	23.58	23.62	23.73	24.5
		1	214	23.62	23.72	23.61	24.5
		108	0	22.97	22.94	23.02	24
		108	54	23.48	23.67	23.59	24.5
		108	108	22.91	22.97	22.82	24
		216	0	22.88	23.02	22.86	24
		1	1	23.09	23.18	23.07	24
		1	1	20.95	21.03	20.99	22
	DFT-s-OFDM 16QAM	1	1	18.72	18.71	18.70	20
	DFT-s-OFDM 64QAM	1	1				
	DFT-s-OFDM 256QAM	1	1				
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.65	23.73	23.53	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	23.64	23.69	23.55	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.62	23.59	23.56	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	23.61	23.63	23.54	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.66	23.66	23.50	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	23.64	23.71	23.52	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/V2 BPSK	1	1		16.58		18
		1	137		16.20		18
		1	271		16.31		18
		135	0		16.39		18
		135	69		16.43		18
		135	138		16.28		18
		270	0		16.33		18
		1	1		16.77		18
	DFT-s-OFDM QPSK	1	137		16.51		18
		1	271		16.50		18
		135	0		16.62		18
		135	69		16.63		18
		135	138		16.52		18
		270	0		16.63		18
	DFT-s-OFDM 16QAM	1	1		16.72		18
	DFT-s-OFDM 64QAM	1	1		16.43		17
	DFT-s-OFDM 256QAM	1	1		14.78		15.5
BW	MCS Index	Channel		633000	63334	63366	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	16.65	16.71	16.41	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	16.61	16.74	16.37	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	16.73	16.73	16.30	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	16.65	16.73	16.37	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	16.67	16.69	16.30	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	16.65	16.62	16.40	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	16.60	16.73	16.42	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	16.61	16.73	16.41	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	16.69	16.65	16.38	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	16.62	16.73	16.35	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	16.67	16.73	16.39	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	16.08	16.19	16.20	18
		1	137	16.11	16.36	16.60	18
		1	271	16.20	16.53	16.09	18
		135	0	16.28	16.36	16.45	18
		135	69	16.17	16.43	16.60	18
		135	138	16.20	16.31	16.71	18
		270	0	16.10	16.29	16.69	18
	DFT-s-OFDM QPSK	1	1	16.52	16.55	16.73	18
		1	137	16.25	16.44	16.59	18
		1	271	16.47	16.55	16.66	18
		135	0	16.37	16.29	16.56	18
		135	69	16.51	16.54	16.70	18
		135	138	16.31	16.50	16.65	18
		270	0	16.40	16.43	16.55	18
	DFT-s-OFDM 16QAM	1	1	16.17	16.13	16.51	18
	DFT-s-OFDM 64QAM	1	1	15.93	15.90	16.24	17
	DFT-s-OFDM 256QAM	1	1	14.29	14.26	14.56	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	16.32	16.22	16.50	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	16.40	16.19	16.55	18
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	16.34	16.29	16.48	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	16.34	16.25	16.47	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	16.34	16.20	16.50	18
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	16.40	16.18	16.44	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	16.31	16.31	16.43	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	16.39	16.25	16.46	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	16.29	16.31	16.44	18
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	16.37	16.30	16.48	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	16.36	16.23	16.43	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		19.36		21
		1	137		19.24		21
		1	271		19.21		21
		135	0		18.86		20.5
		135	69		19.38		21
		135	138		18.83		20.5
		270	0		18.84		20.5
		1	1		19.54		21
	DFT-s-OFDM QPSK	1	137		19.33		21
		1	271		19.28		21
		135	0		18.42		20
		135	69		19.32		21
		135	138		18.29		20
		270	0		18.34		20
		DFT-s-OFDM 16QAM	1	1	18.53		20
		DFT-s-OFDM 64QAM	1	1	16.85		17.5
	DFT-s-OFDM 256QAM	1	1		14.56		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	19.29	19.48	19.32	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	19.28	19.47	19.43	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	19.32	19.38	19.30	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	19.31	19.46	19.44	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	19.27	19.39	19.44	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	19.32	19.49	19.42	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	19.26	19.38	19.40	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	19.30	19.40	19.41	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	19.30	19.52	19.33	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	19.31	19.43	19.38	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	19.25	19.49	19.30	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 Pv2 BPSK	1	1	19.35	19.31	19.37	21
		1	137	19.16	19.32	19.55	21
		1	271	19.15	19.52	19.61	21
		135	0	18.63	18.75	18.95	20.5
		135	69	19.25	19.35	19.61	21
		135	138	18.71	18.85	19.12	20.5
		270	0	18.65	18.82	19.08	20.5
	DFT-s-OFDM QPSK	1	1	19.48	19.44	19.67	21
		1	137	19.27	19.29	19.56	21
		1	271	19.07	19.36	19.57	21
		135	0	18.29	18.25	18.50	20
		135	69	19.13	19.39	19.59	21
		135	138	18.11	18.35	18.60	20
		270	0	18.19	18.33	18.57	20
	DFT-s-OFDM 16QAM	1	1	18.24	18.37	18.41	20
	DFT-s-OFDM 64QAM	1	1	16.21	16.37	16.41	17.5
	DFT-s-OFDM 256QAM	1	1	14.10	14.19	14.38	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	19.32	19.15	19.46	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	19.43	19.08	19.46	21
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	19.44	19.13	19.56	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	19.45	19.12	19.44	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	19.33	19.21	19.57	21
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	19.37	19.20	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	19.40	19.18	19.58	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	19.40	19.16	19.55	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	19.37	19.13	19.46	21
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	19.41	19.11	19.50	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	19.37	19.09	19.48	21

Receiver on_D86L_Sim-Tx

CA_5B (Ant2)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
20450	829	20549	836.9	QPSK	1	49	1	0	1	24.76	25.5
				16QAM	1	49	1	0	1	23.92	24.5
				64QAM	1	49	1	0	1	22.61	23.5
				256QAM	1	49	1	0	1	19.73	20.5
20478	831.6	20575	841.5	QPSK	1	49	1	0	1	24.73	25.5
				16QAM	1	49	1	0	1	23.93	24.5
				64QAM	1	49	1	0	1	22.44	23.5
				256QAM	1	49	1	0	1	18.62	20.5
20501	834.1	20600	844	QPSK	1	49	1	0	1	24.62	25.5
				16QAM	1	49	1	0	1	23.85	24.5
				64QAM	1	49	1	0	1	22.25	23.5
				256QAM	1	49	1	0	1	19.78	20.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
20450	829	20522	836.2	QPSK	1	49	1	0	1	24.58	25.5
				16QAM	1	49	1	0	1	23.81	24.5
				64QAM	1	49	1	0	1	22.48	23.5
				256QAM	1	49	1	0	1	19.49	20.5
20500	834	20572	841.2	QPSK	1	49	1	0	1	24.53	25.5
				16QAM	1	49	1	0	1	23.83	24.5
				64QAM	1	49	1	0	1	22.37	23.5
				256QAM	1	49	1	0	1	19.63	20.5
20550	839	20622	846.2	QPSK	1	49	1	0	1	24.46	25.5
				16QAM	1	49	1	0	1	23.70	24.5
				64QAM	1	49	1	0	1	22.13	23.5
				256QAM	1	49	1	0	1	19.64	20.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
20428	826.8	20500	834	QPSK	1	24	1	0	1	24.54	25.5
				16QAM	1	24	1	0	1	23.82	24.5
				64QAM	1	24	1	0	1	22.55	23.5
				256QAM	1	24	1	0	1	19.50	20.5
20478	831.8	20550	839	QPSK	1	24	1	0	1	24.55	25.5
				16QAM	1	24	1	0	1	23.76	24.5
				64QAM	1	24	1	0	1	22.36	23.5
				256QAM	1	24	1	0	1	19.61	20.5
20528	836.8	20600	844	QPSK	1	24	1	0	1	24.49	25.5
				16QAM	1	24	1	0	1	23.70	24.5
				64QAM	1	24	1	0	1	22.10	23.5
				256QAM	1	24	1	0	1	19.53	20.5
Combination 5MHz+3MHz (25RB+15RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
20425	826.5	20464	830.4	QPSK	1	24	1	0	1	24.48	25.5
				16QAM	1	24	1	0	1	23.67	24.5
				64QAM	1	24	1	0	1	22.62	23.5
				256QAM	1	24	1	0	1	19.42	20.5
20510	835	20549	838.9	QPSK	1	24	1	0	1	24.41	25.5
				16QAM	1	24	1	0	1	23.78	24.5
				64QAM	1	24	1	0	1	22.25	23.5
				256QAM	1	24	1	0	1	19.65	20.5
20595	843.5	20634	847.4	QPSK	1	24	1	0	1	24.33	25.5
				16QAM	1	24	1	0	1	23.76	24.5
				64QAM	1	24	1	0	1	22.04	23.5
				256QAM	1	24	1	0	1	19.46	20.5
Combination 3MHz+5MHz (15RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
20416	825.6	20455	829.5	QPSK	1	14	1	0	1	24.37	25.5
				16QAM	1	14	1	0	1	23.67	24.5
				64QAM	1	14	1	0	1	22.54	23.5
				256QAM	1	14	1	0	1	19.45	20.5
20501	834.1	20540	838	QPSK	1	14	1	0	1	24.35	25.5
				16QAM	1	14	1	0	1	23.65	24.5
				64QAM	1	14	1	0	1	22.28	23.5
				256QAM	1	14	1	0	1	19.57	20.5
20586	842.6	20625	846.5	QPSK	1	14	1	0	1	24.28	25.5
				16QAM	1	14	1	0	1	23.66	24.5
				64QAM	1	14	1	0	1	22.10	23.5
				256QAM	1	14	1	0	1	19.46	20.5

CA_66B (Ant1)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tune-up Power
132022	1715	132121	1724.9	QPSK	1	49	1	0	1	24.13	24.5
				16QAM	1	49	1	0	1	23.34	23.5
				64QAM	1	49	1	0	1	21.69	22.5
				256QAM	1	49	1	0	1	19.07	19.5
132373	1750.1	132472	1760	QPSK	1	49	1	0	1	23.91	24.5
				16QAM	1	49	1	0	1	23.23	23.5
				64QAM	1	49	1	0	1	21.78	22.5
				256QAM	1	49	1	0	1	19.04	19.5
132523	1765.1	132622	1775	QPSK	1	49	1	0	1	23.63	24.5
				16QAM	1	49	1	0	1	23.14	23.5
				64QAM	1	49	1	0	1	21.68	22.5
				256QAM	1	49	1	0	1	19.07	19.5
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tune-up Power
132047	1717.5	132140	1726.8	QPSK	1	74	1	0	1	23.97	24.5
				16QAM	1	74	1	0	1	23.27	23.5
				64QAM	1	74	1	0	1	21.57	22.5
				256QAM	1	74	1	0	1	19.07	19.5
132396	1752.6	132491	1761.9	QPSK	1	74	1	0	1	23.89	24.5
				16QAM	1	74	1	0	1	23.22	23.5
				64QAM	1	74	1	0	1	21.65	22.5
				256QAM	1	74	1	0	1	19.03	19.5
132549	1767.7	132642	1777	QPSK	1	74	1	0	1	23.80	24.5
				16QAM	1	74	1	0	1	23.09	23.5
				64QAM	1	74	1	0	1	21.65	22.5
				256QAM	1	74	1	0	1	19.03	19.5
Combination 5MHz+15MHz (25RB+75RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tune-up Power
132002	1713	132095	1722.3	QPSK	1	24	1	0	1	24.01	24.5
				16QAM	1	24	1	0	1	23.21	23.5
				64QAM	1	24	1	0	1	21.59	22.5
				256QAM	1	24	1	0	1	19.02	19.5
132353	1748.1	132446	1757.4	QPSK	1	24	1	0	1	23.82	24.5
				16QAM	1	24	1	0	1	23.15	23.5
				64QAM	1	24	1	0	1	21.77	22.5
				256QAM	1	24	1	0	1	18.92	19.5
132504	1763.2	132597	1772.5	QPSK	1	24	1	0	1	23.71	24.5
				16QAM	1	24	1	0	1	23.13	23.5
				64QAM	1	24	1	0	1	21.60	22.5
				256QAM	1	24	1	0	1	18.99	19.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tune-up Power
132022	1715	132094	1722.2	QPSK	1	49	1	0	1	23.84	24.5
				16QAM	1	49	1	0	1	23.17	23.5
				64QAM	1	49	1	0	1	21.62	22.5
				256QAM	1	49	1	0	1	19.00	19.5
132397	1752.5	132489	1759.7	QPSK	1	49	1	0	1	23.86	24.5
				16QAM	1	49	1	0	1	23.05	23.5
				64QAM	1	49	1	0	1	21.70	22.5
				256QAM	1	49	1	0	1	18.86	19.5
132572	1770	132644	1777.2	QPSK	1	49	1	0	1	23.58	24.5
				16QAM	1	49	1	0	1	22.99	23.5
				64QAM	1	49	1	0	1	21.63	22.5
				256QAM	1	49	1	0	1	18.91	19.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tune-up Power
132000	1712.8	132072	1720	QPSK	1	24	1	0	1	23.86	24.5
				16QAM	1	24	1	0	1	23.11	23.5
				64QAM	1	24	1	0	1	21.54	22.5
				256QAM	1	24	1	0	1	19.01	19.5
132375	1750.3	132447	1757.5	QPSK	1	24	1	0	1	23.82	24.5
				16QAM	1	24	1	0	1	23.14	23.5
				64QAM	1	24	1	0	1	21.58	22.5
				256QAM	1	24	1	0	1	18.85	19.5
132550	1767.8	132622	1775	QPSK	1	24	1	0	1	23.63	24.5
				16QAM	1	24	1	0	1	23.00	23.5
				64QAM	1	24	1	0	1	21.50	22.5
				256QAM	1	24	1	0	1	18.86	19.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tune-up Power
131997	1712.5	132045	1717.3	QPSK	1	24	1	0	1	23.89	24.5
				16QAM	1	24	1	0	1	23.19	23.5
				64QAM	1	24	1	0	1	21.55	22.5
				256QAM	1	24	1	0	1	18.92	19.5
132398	1777.5	132446	1782.3	QPSK	1	24	1	0	1	23.83	24.5
				16QAM	1	24	1	0	1	23.12	23.5
				64QAM	1	24	1	0	1	21.66	22.5
				256QAM	1	24	1	0	1	18.77	19.5
132599	1772.7	132647	1777.5	QPSK	1	24	1	0	1	23.55	24.5
				16QAM	1	24	1	0	1	22.87	23.5
				64QAM	1	24	1	0	1	21.63	22.5
				256QAM	1	24	1	0	1	18.88	19.5

CA_66C (Ant1)										
Combination 20MHz+20MHz (100RB+100RB)										
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		
132072	1720	132270	1739.8	QPSK	1	99	1	0	23.91	24.5
				16QAM	1	99	1	0	23.26	23.5
				64QAM	1	99	1	0	21.31	22.5
				256QAM	1	99	1	0	18.99	19.5
132323	1745.1	132521	1764.9	QPSK	1	99	1	0	24.07	24.5
				16QAM	1	99	1	0	23.07	23.5
				64QAM	1	99	1	0	21.71	22.5
				256QAM	1	99	1	0	18.99	19.5
132374	1750.2	132572	1770	QPSK	1	99	1	0	23.86	24.5
				16QAM	1	99	1	0	23.05	23.5
				64QAM	1	99	1	0	21.17	22.5
				256QAM	1	99	1	0	18.94	19.5
Combination 20MHz+15MHz (100RB+75RB)										
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		
132072	1720	132243	1737.1	QPSK	1	99	1	0	23.79	24.5
				16QAM	1	99	1	0	23.14	23.5
				64QAM	1	99	1	0	21.19	22.5
				256QAM	1	99	1	0	18.96	19.5
132346	1747.6	132519	1764.7	QPSK	1	99	1	0	23.77	24.5
				16QAM	1	99	1	0	22.98	23.5
				64QAM	1	99	1	0	21.65	22.5
				256QAM	1	99	1	0	18.96	19.5
132423	1756.1	132594	1772.2	QPSK	1	99	1	0	23.85	24.5
				16QAM	1	99	1	0	22.96	23.5
				64QAM	1	99	1	0	21.10	22.5
				256QAM	1	99	1	0	18.96	19.5
Combination 15MHz+20MHz (75RB+100RB)										
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		
132060	1717.8	132221	1734.9	QPSK	1	74	1	0	23.83	24.5
				16QAM	1	74	1	0	23.17	23.5
				64QAM	1	74	1	0	21.25	22.5
				256QAM	1	74	1	0	18.88	19.5
132325	1745.3	132496	1762.4	QPSK	1	74	1	0	23.83	24.5
				16QAM	1	74	1	0	23.02	23.5
				64QAM	1	74	1	0	21.64	22.5
				256QAM	1	74	1	0	18.90	19.5
132401	1752.9	132572	1770	QPSK	1	74	1	0	23.81	24.5
				16QAM	1	74	1	0	22.95	23.5
				64QAM	1	74	1	0	21.19	22.5
				256QAM	1	74	1	0	18.79	19.5
Combination 20MHz+10MHz (100RB+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		
132072	1720	132216	1734.4	QPSK	1	99	1	0	23.85	24.5
				16QAM	1	99	1	0	23.30	23.5
				64QAM	1	99	1	0	21.63	22.5
				256QAM	1	99	1	0	19.10	19.5
132373	1750.1	132517	1764.5	QPSK	1	99	1	0	23.79	24.5
				16QAM	1	99	1	0	23.24	23.5
				64QAM	1	99	1	0	21.69	22.5
				256QAM	1	99	1	0	19.04	19.5
132473	1760.1	132617	1774.5	QPSK	1	99	1	0	23.74	24.5
				16QAM	1	99	1	0	23.15	23.5
				64QAM	1	99	1	0	21.58	22.5
				256QAM	1	99	1	0	19.03	19.5
Combination 10MHz+20MHz (50RB+100RB)										
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		
132027	1715.5	132171	1729.9	QPSK	1	49	1	0	23.69	24.5
				16QAM	1	49	1	0	23.19	23.5
				64QAM	1	49	1	0	21.55	22.5
				256QAM	1	49	1	0	19.04	19.5
132328	1745.6	132472	1760	QPSK	1	49	1	0	23.66	24.5
				16QAM	1	49	1	0	23.09	23.5
				64QAM	1	49	1	0	21.62	22.5
				256QAM	1	49	1	0	18.91	19.5
132428	1756.6	132572	1770	QPSK	1	49	1	0	23.60	24.5
				16QAM	1	49	1	0	22.90	23.5
				64QAM	1	49	1	0	21.54	22.5
				256QAM	1	49	1	0	18.91	19.5
Combination 15MHz+15MHz (75RB+75RB)										
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		
132047	1717.5	132197	1732.5	QPSK	1	74	1	0	23.92	24.5
				16QAM	1	74	1	0	23.29	23.5
				64QAM	1	74	1	0	21.52	22.5
				256QAM	1	74	1	0	19.15	19.5
132347	1747.5	132497	1762.5	QPSK	1	74	1	0	23.65	24.5
				16QAM	1	74	1	0	23.05	23.5
				64QAM	1	74	1	0	21.56	22.5
				256QAM	1	74	1	0	18.99	19.5
132447	1757.5	132597	1772.5	QPSK	1	74	1	0	23.65	24.5
				16QAM	1	74	1	0	22.98	23.5
				64QAM	1	74	1	0	21.61	22.5
				256QAM	1	74	1	0	18.91	19.5
Combination 15MHz+10MHz (75RB+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		
132047	1717.5	132167	1729.5	QPSK	1	74	1	0	23.85	24.5
				16QAM	1	74	1	0	23.18	23.5
				64QAM	1	74	1	0	21.42	22.5
				256QAM	1	74	1	0	18.92	19.5
132373	1750.1	132493	1762.1	QPSK	1	74	1	0	23.61	24.5
				16QAM	1	74	1	0	23.00	23.5
				64QAM	1	74	1	0	21.57	22.5
				256QAM	1	74	1	0	18.96	19.5
132496	1762.7	132619	1774.7	QPSK	1	74	1	0	23.58	24.5
				16QAM	1	74	1	0	23.00	23.5
				64QAM	1	74	1	0	21.53	22.5
				256QAM	1	74	1	0	18.86	19.5
Combination 10MHz+15MHz (50RB+75RB)										
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		
132025	1715.3	132145	1727.3	QPSK	1	49	1	0	23.96	24.5
				16QAM	1	49	1	0	23.15	23.5
				64QAM	1	49	1	0	21.37	22.5
				256QAM	1	49	1	0	18.93	19.5
132351	1747.9	132471	1759.9	QPSK	1	49	1	0	23.67	24.5
				16QAM	1	49	1	0	22.97	23.5
				64QAM	1	49	1	0	21.43	22.5
				256QAM	1	49	1	0	18.94	19.5
132477	1760.5	132597	1772.5	QPSK	1	49	1	0	23.55	24.5
				16QAM	1	49	1	0	22.92	23.5
				64QAM	1	49	1	0	21.49	22.5
				256QAM	1	49	1	0	18.99	19.5
Combination 20MHz+5MHz (100RB+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		
132072	1720	132189	1731.7	QPSK	1	99	1	0	23.95	24.5
				16QAM	1	99	1	0	23.18	23.5
				64QAM	1	99	1	0	21.41	22.5
				256QAM	1	99	1	0	18.93	19.5
132397	1752.5	132514	1764.2	QPSK	1	99	1	0	23.66	24.5
				16QAM	1	99	1	0	22.99	23.5
				64QAM	1	99	1	0	21.50	22.5
				256QAM	1	99	1	0	18.91	19.5
132522	1765	132639	1776.7	QPSK	1	99	1	0	23.41	24.5
				16QAM	1	99	1	0	22.29	23.5
				64QAM	1	99	1	0	21.48	22.5
				256QAM	1	99	1	0	18.86	19.5
Combination 5MHz+20MHz (25RB+100RB)										
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		
132005	1713.3	132122	1725	QPSK	1	24	1	0	23.87	24.5
				16QAM	1	24	1	0	23.18	23.5
				64QAM	1	24	1	0	21.38	22.5
				256QAM	1	24	1	0	18.89	19.5
132330	1745.8	132447	1757.5	QPSK	1	24	1	0	23.93	24.5
				16QAM	1	24	1	0	23.05	23.5
				64QAM	1	24	1	0	21.46	22.5
				256QAM	1	24	1	0	18.85	19.5
132455	1758.3	132572	1770	QPSK	1	24	1	0	23.81	24.5
				16QAM	1	24	1	0	22.90	23.5
				64QAM	1	24	1	0	21.44	22.5
				256QAM	1	24	1	0	18.89	19.5

Receiver on_DSI5_Sim-Tx

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	19.04		20.5	
		1	137	18.79		20.5	
		1	271	18.77		20.5	
		135	0	19.01		20.5	
		135	69	18.77		20.5	
		135	138	18.80		20.5	
		270	0	18.78		20.5	
	DFT-s-OFDM QPSK	1	1	19.31		20.5	
		1	137	18.95		20.5	
		1	271	18.94		20.5	
		135	0	19.09		20.5	
		135	69	19.16		20.5	
		135	138	18.99		20.5	
		270	0	19.06		20.5	
	DFT-s-OFDM 16QAM	1	1	19.22		20.5	
	DFT-s-OFDM 64QAM	1	1	18.88		19.5	
	DFT-s-OFDM 256QAM	1	1	17.38		18	
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	19.27	19.30	19.28	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	19.12	19.22	19.14	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	19.25	19.22	19.25	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	19.18	19.28	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	19.24	19.24	19.24	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	19.13	19.27	19.13	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	19.25	19.21	19.15	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	19.12	19.16	19.14	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	19.24	19.16	19.24	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	19.12	19.25	19.23	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	19.19	19.20	19.27	20.5

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	18.94	19.11	19.09	20.5
		1	137	19.05	19.33	19.50	20.5
		1	271	19.10	19.39	18.77	20.5
		135	0	19.16	19.25	19.37	20.5
		135	69	19.04	19.18	19.53	20.5
		135	138	19.18	19.23	19.67	20.5
		270	0	19.08	19.31	19.46	20.5
	DFT-s-OFDM QPSK	1	1	19.39	19.47	19.74	20.5
		1	137	19.15	19.43	19.43	20.5
		1	271	19.19	19.42	19.60	20.5
		135	0	19.28	19.31	19.43	20.5
		135	69	19.38	19.50	19.58	20.5
		135	138	19.33	19.48	19.56	20.5
		270	0	19.41	19.30	19.59	20.5
	DFT-s-OFDM 16QAM	1	1	19.19	19.12	19.44	20.5
	DFT-s-OFDM 64QAM	1	1	18.92	18.73	19.09	19.5
	DFT-s-OFDM 256QAM	1	1	17.18	17.18	17.48	18
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	19.29	19.34	19.70	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	19.35	19.40	19.68	20.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	19.34	19.46	19.60	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	19.28	19.45	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	19.28	19.44	19.61	20.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	19.31	19.33	19.69	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	19.31	19.34	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	19.31	19.41	19.71	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	19.28	19.37	19.72	20.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	19.36	19.34	19.68	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	19.24	19.34	19.73	20.5

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	14.73		15.5	
		1	137	14.46		15.5	
		1	271	14.51		15.5	
		135	0	14.81		15.5	
		135	69	14.59		15.5	
		135	138	14.52		15.5	
		270	0	14.56		15.5	
	DFT-s-OFDM QPSK	1	1	15.07		15.5	
		1	137	14.62		15.5	
		1	271	14.70		15.5	
		135	0	14.86		15.5	
		135	69	14.90		15.5	
		135	138	14.78		15.5	
		270	0	14.72		15.5	
	DFT-s-OFDM 16QAM	1	1	14.75		15.5	
	DFT-s-OFDM 64QAM	1	1	14.64		15	
	DFT-s-OFDM 256QAM	1	1	12.98		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	15.01	15.05	14.99	15.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	14.86	15.03	14.87	15.5
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	14.99	15.02	14.97	15.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	14.93	15.04	14.88	15.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	14.89	14.99	14.94	15.5
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	14.92	14.95	14.88	15.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	14.96	14.93	14.90	15.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	14.98	15.01	14.92	15.5
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	14.89	15.02	14.85	15.5
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	14.96	14.98	14.91	15.5
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	14.87	14.93	14.96	15.5

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	14.51	14.54	14.42	15.5
		1	137	14.40	14.88	14.57	15.5
		1	271	14.62	14.15	14.83	15.5
		135	0	14.66	14.65	14.56	15.5
		135	69	14.50	14.77	14.57	15.5
		135	138	14.64	14.98	14.60	15.5
		270	0	14.60	14.89	14.74	15.5
	DFT-s-OFDM QPSK	1	1	14.79	15.13	14.97	15.5
		1	137	14.64	14.91	14.72	15.5
		1	271	14.75	15.11	14.73	15.5
		135	0	14.71	14.84	14.65	15.5
		135	69	14.74	15.04	14.85	15.5
		135	138	14.65	15.03	14.81	15.5
		270	0	14.63	14.83	14.67	15.5
	DFT-s-OFDM 16QAM	1	1	14.48	14.76	14.54	15.5
	DFT-s-OFDM 64QAM	1	1	14.23	14.54	14.13	15
	DFT-s-OFDM 256QAM	1	1	12.53	12.84	12.57	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	14.67	15.07	14.96	15.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	14.65	15.05	14.85	15.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	14.72	15.09	14.89	15.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	14.73	14.98	14.87	15.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	14.73	15.09	14.94	15.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	14.77	15.11	14.89	15.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	14.70	15.12	14.94	15.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	14.69	15.02	14.85	15.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	14.65	15.10	14.85	15.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	14.73	15.07	14.96	15.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	14.75	14.98	14.87	15.5

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	16.40		18	
		1	137	16.07		18	
		1	271	16.02		18	
		135	0	16.32		18	
		135	69	16.08		18	
		135	138	16.15		18	
		270	0	16.13		18	
	DFT-s-OFDM QPSK	1	1	16.68		18	
		1	137	16.08		18	
		1	271	16.37		18	
		135	0	16.40		18	
		135	69	16.50		18	
		135	138	16.28		18	
		270	0	16.39		18	
	DFT-s-OFDM 16QAM	1	1	16.33		18	
	DFT-s-OFDM 64QAM	1	1	16.07		17	
	DFT-s-OFDM 256QAM	1	1	14.52		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	16.67	16.66	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	16.54	16.59	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	16.65	16.52	16.54	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	16.56	16.60	16.52	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	16.55	16.63	16.49	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	16.52	16.59	16.48	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	16.53	16.57	16.51	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	16.62	16.57	16.48	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	16.55	16.55	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	16.54	16.52	16.47	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	16.55	16.58	16.47	18

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	16.58	16.53	16.58	18
		1	137	16.39	16.89	16.68	18
		1	271	16.62	16.19	16.73	18
		135	0	16.59	16.54	16.62	18
		135	69	16.53	16.92	16.56	18
		135	138	16.66	17.06	16.48	18
		270	0	16.50	16.91	16.78	18
	DFT-s-OFDM QPSK	1	1	16.82	17.19	17.04	18
		1	137	16.71	16.89	16.66	18
		1	271	16.74	17.09	16.71	18
		135	0	16.69	16.83	16.71	18
		135	69	16.75	17.10	16.91	18
		135	138	16.74	17.09	16.82	18
		270	0	16.71	16.87	16.75	18
	DFT-s-OFDM 16QAM	1	1	16.49	16.88	16.56	18
	DFT-s-OFDM 64QAM	1	1	16.27	16.66	16.22	17
	DFT-s-OFDM 256QAM	1	1	14.40	14.86	14.64	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	16.81	17.07	16.91	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	16.71	17.13	17.03	18
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	16.71	17.18	17.02	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	16.80	17.07	16.99	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	16.71	17.14	16.98	18
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	16.72	17.16	17.02	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	16.67	17.11	16.90	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	16.76	17.04	16.99	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	16.79	17.12	16.91	18
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	16.72	17.06	17.01	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	16.79	17.08	16.94	18

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	32.96	32.01	32.84	33.50	30.40	29.32	29.21	31.00
GPRS 1Tx Slot	32.98	32.06	32.86	33.50	30.42	29.34	29.28	31.00
GPRS 2Tx Slot	30.98	30.11	30.50	31.50	28.53	27.65	27.51	29.50
GPRS 3Tx Slot	28.97	28.12	28.79	29.50	26.54	25.47	25.42	27.00
GPRS 4Tx Slot	26.82	26.77	27.78	28.50	25.60	24.36	24.04	26.00
EDGE 1Tx Slot	27.34	26.05	27.59	28.00	26.49	25.42	25.48	27.00
EDGE 2Tx Slot	25.55	24.44	25.93	26.00	24.98	24.01	24.08	25.50
EDGE 3Tx Slot	23.12	22.53	23.57	24.00	21.73	21.77	22.53	23.00
EDGE 4Tx Slot	21.83	21.17	22.34	23.00	20.28	20.31	21.35	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	21.97	21.87	21.94	22.50	24.24	24.26	24.27	25.00
HSDPA Subtest-1	20.95	20.93	20.84	21.50	23.24	23.24	23.23	24.00
HSDPA Subtest-2	21.06	20.86	20.97	21.50	23.32	23.32	23.22	24.00
HSDPA Subtest-3	20.44	20.43	20.39	21.00	22.68	22.70	22.74	23.50
HSDPA Subtest-4	20.33	20.33	20.38	21.00	22.73	22.75	22.64	23.50
DC-HSDPA Subtest-1	20.81	20.80	20.89	21.50	23.25	23.25	23.16	24.00
DC-HSDPA Subtest-2	20.78	20.89	20.92	21.50	23.17	23.33	23.17	24.00
DC-HSDPA Subtest-3	20.26	20.35	20.37	21.00	22.62	22.64	22.64	23.50
DC-HSDPA Subtest-4	20.29	20.19	20.31	21.00	22.60	22.50	22.62	23.50
HSUPA Subtest-1	20.96	21.07	20.98	21.50	23.28	23.22	23.21	24.00
HSUPA Subtest-2	20.42	20.42	20.36	21.00	22.68	22.75	22.74	23.50
HSUPA Subtest-3	20.87	20.86	20.91	21.50	23.17	23.24	23.17	24.00
HSUPA Subtest-4	20.86	20.84	20.83	21.50	23.26	23.33	23.20	24.00
HSUPA Subtest-5	20.92	20.87	20.87	21.50	23.25	23.27	23.26	24.00

Senior onSiteProd_C0643_Bm-Tx

LTE Band 2 (Aur1)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tx Power (dBm)	Max. Tx Power (dBm)	Max. Tx Power (dBm)
		Channel	Frequency (MHz)	1920	1980	2040			
20M	QPSK	1	0	22.13	22.16	22.08	23.1		
		1	50	22.09	22.08	22.09	23.1		
		1	50	21.97	21.98	22.01	23.1		
		50	0	21.01	21.00	20.97	22.1		
		50	25	21.12	21.06	21.01	22.1		
		50	0	21.13	21.14	21.03	22.1		
		100	0	20.95	21.04	21.00	22.1		
		100	0	21.05	21.04	21.04	22.1		
		1	50	21.99	21.94	21.16	22.1		
		1	50	21.90	21.18	21.21	22.1		
10M	QPSK	50	0	20.98	20.90	20.00	21.1		
		50	25	20.98	20.92	20.09	21.1		
		50	50	20.91	20.12	20.08	21.1		
		1	0	20.99	20.99	20.18	21.1		
		1	50	20.91	20.32	20.18	21.1		
		50	0	19.99	19.99	19.08	20.1		
		50	25	19.94	19.97	19.08	20.1		
		100	0	19.94	19.12	19.12	20.1		
		1	50	19.97	19.97	19.18	20.1		
		1	50	19.97	19.97	19.18	20.1		
5M	QPSK	1	0	17.07	17.14	17.00	18.1		
		1	50	17.09	17.08	17.07	18.1		
		50	0	16.97	16.97	17.06	18.1		
		50	25	17.17	17.00	17.08	18.1		
		50	50	17.08	17.02	17.08	18.1		
		100	0	17.13	17.04	17.12	18.1		
		1	0	16.95	16.95	16.95	18.1		
		1	37	21.02	21.05	21.09	23.1		
		1	74	21.88	21.87	21.85	23.1		
		38	0	20.95	20.84	20.84	22.1		
2.5M	QPSK	38	19	20.96	20.89	20.01	21.1		
		38	38	20.98	20.93	19.93	21.1		
		75	0	20.98	20.99	20.98	21.1		
		1	0	20.97	20.18	19.99	21.1		
		1	37	20.92	20.19	19.96	21.1		
		1	74	19.95	20.21	20.04	21.1		
		38	0	19.98	19.93	19.92	20.1		
		38	19	19.93	19.94	19.80	20.1		
		38	38	19.94	19.91	19.81	20.1		
		75	0	19.98	19.97	19.72	19.1		
1.4M	QPSK	1	0	16.94	16.96	16.96	18.1		
		1	37	17.00	17.00	17.00	18.1		
		1	74	17.02	17.05	17.06	18.1		
		38	0	16.96	16.96	16.96	18.1		
		38	19	16.97	16.97	16.97	18.1		
		38	38	16.96	16.95	16.95	18.1		
		75	0	17.10	17.03	17.11	18.1		
		1	0	16.95	16.95	16.95	18.1		
		1	37	17.16	16.96	16.96	18.1		
		1	74	16.96	16.95	17.05	18.1		
700K	QPSK	1	0	16.95	16.96	16.90	18.1		
		1	37	17.16	16.96	16.96	18.1		
		1	74	16.96	16.95	17.05	18.1		
		38	0	16.98	16.95	16.95	18.1		
		38	19	16.97	16.97	16.97	18.1		
		38	38	16.96	16.95	16.95	18.1		
		75	0	17.10	17.03	17.11	18.1		
		1	0	16.95	16.95	16.95	18.1		
		1	37	17.16	16.96	16.96	18.1		
		1	74	16.96	16.95	17.05	18.1		
350K	QPSK	1	0	21.90	21.93	21.86	23.1		
		1	50	21.90	21.87	21.87	23.1		
		1	48	21.86	21.83	21.80	23.1		
		25	0	20.88	20.78	20.81	22.1		
		25	0	20.88	20.81	20.84	22.1		
		25	25	21.00	20.89	20.93	22.1		
		50	0	20.93	20.87	20.95	22.1		
		1	24	21.03	21.03	21.03	22.1		
		1	24	21.33	21.31	21.03	22.1		
		1	49	21.22	21.12	21.02	22.1		
170K	QPSK	1	0	19.92	19.89	19.74	21.1		
		25	12	19.81	19.83	19.93	21.1		
		25	25	19.73	19.89	19.78	21.1		
		50	0	19.84	19.86	19.82	21.1		
		1	0	20.05	20.16	19.88	21.1		
		1	24	19.92	20.16	19.81	21.1		
		1	48	19.92	20.16	19.81	21.1		
		25	0	19.84	19.84	19.80	20.1		
		25	12	19.83	19.84	19.78	20.1		
		25	25	19.85	19.94	19.05	20.1		
85K	QPSK	1	0	19.94	19.92	19.92	20.1		
		1	24	19.97	19.97	19.97	20.1		
		1	24	19.84	19.96	19.89	19.1		
		1	48	19.95	19.94	19.87	19.1		
		25	0	19.78	19.84	19.84	19.1		
		25	12	19.86	19.78	19.86	19.1		
		25	25	19.94	19.74	19.86	19.1		
		50	0	19.99	19.92	19.97	19.1		
		1	0	19.97	19.97	19.97	19.1		
		1	24	19.94	19.94	19.94	19.1		
42.5K	QPSK	1	0	19.92	19.92	19.92	19.1		
		1	24	19.92	19.92	19.92	19.1		
		1	48	19.92	19.92	19.92	19.1		
		25	0	19.80	19.80	19.80	19.1		
		25	12	19.80	19.80	19.80	19.1		
		25	25	19.80	19.80	19.80	19.1		
		50	0	19.80	19.80	19.80	19.1		
		1	0	19.80	19.80	19.80	19.1		
		1	24	19.80	19.80	19.80	19.1		
		1	48	19.80	19.80	19.80	19.1		

LTE Band 4 (Aur1)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tx Power (dBm)	Max. Tx Power (dBm)	Max. Tx Power (dBm)
		Channel	Frequency (MHz)	2040	2070	2100			
20M	QPSK	1	0	21.89	21.89	21.91	22.5		
		1	50	21.85	21.86	21.92	22.5		
		1	50	21.59	21.58	21.70	22.5		
		50	0	20.89	20.87	20.92	21.5		
		50	0	20.88	20.81	20.87	21.5		
		100	0	20.88	20.84	20.78	21.5		
		100	0	20.91	20.89	20.91	21.5		
		1	50	20.78	20.75	20.80	21.5		
		1	50	21.00	21.00	20.86	21.5		
		50	0	19.70	19.65	19.65	20.5		
10M	QPSK	50	25	19.73	19.71	19.67	20.5		
		50	50	19.79	19.77	19.82	20.5		
		100	0	19.75	19.84	19.89	20.5		
		1	0	19.76	19.65	19.76	20.5		
		1	50	19.68	19.71	19.59	20.5		
		1	50	19.70	19.81	19.68	20.5		
		50	0	18.82	18.80	18.86	19.5		
		50	25	18.73	18.83	18.73	19.5		
		100	0	18.78	18.69	18.55	19.5		
		1	0	18.76	18.69	18.69	17.5		
5M	QPSK	1	0	18.86	18.89	18.81	17.5		
		1	50	18.77	18.72	18.73	17.5		
		50	0	18.68	18.63	18.73	17.5		
		50	25	18.73	18.78	18.69	17.5		
		50	50	18.79	18.65	18.59	17.5		
		100	0	18.67	18.63	18.62	17.5		
2.5M	QPSK	1	0	18.81	18.81	18.81	17.5		
		1	37	21.02	21.45	21.37	22.5		

LTE Band 12 (Aar2)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (MHz)	Channel	Max. Time-up (MHz)
		Frequency (MHz)	784	789.5	791	793.5	25.5		
10M	QPSK	1	0	24.05	24.08	24.08	25.5		
		1	24	24.02	24.11	24.05	25.5		
		1	49	24.07	23.97	23.99	25.5		
		25	0	23.11	23.10	23.07	24.5		
		25	25	23.15	23.11	23.14	24.5		
	16QAM	5	0	23.18	23.18	23.18	24.5		
		1	24	23.25	23.21	23.25	24.5		
		1	49	23.27	23.26	23.21	24.5		
		25	0	22.25	22.18	22.21	23.5		
		25	25	22.18	22.18	22.11	23.5		
10M	QPSK	1	0	22.22	22.21	22.19	23.5		
		1	24	22.21	22.23	22.21	23.5		
		1	49	22.22	22.18	22.21	23.5		
		25	0	21.12	21.12	21.08	22.5		
		25	25	21.12	21.19	21.19	22.5		
	16QAM	5	0	21.15	21.13	21.21	22.5		
		5	0	21.14	21.15	21.18	22.5		
		1	24	19.21	19.21	19.27	20.5		
		1	49	19.23	19.24	19.21	20.5		
		25	0	18.15	18.17	18.14	20.5		
10M	QPSK	1	0	18.24	18.23	18.21	20.5		
		1	49	18.23	18.24	18.21	20.5		
		25	0	17.18	17.17	17.14	20.5		
		25	25	17.18	17.22	17.19	20.5		
		25	50	17.18	17.18	17.18	20.5		
10M	QPSK	1	0	16.22	16.21	16.19	17.5		
		1	24	16.21	16.23	16.21	17.5		
		1	49	16.22	16.21	16.19	17.5		
		25	0	15.12	15.12	15.08	16.5		
		25	25	15.12	15.19	15.19	16.5		
	16QAM	5	0	15.15	15.13	15.21	16.5		
		5	0	15.14	15.15	15.18	16.5		
		1	24	13.21	13.21	13.27	14.5		
		1	49	13.23	13.24	13.21	14.5		
		25	0	12.15	12.17	12.14	14.5		
10M	QPSK	1	0	12.24	12.23	12.21	14.5		
		1	49	12.23	12.24	12.21	14.5		
		25	0	11.18	11.17	11.14	14.5		
		25	25	11.18	11.22	11.19	14.5		
		25	50	11.18	11.18	11.18	14.5		
10M	QPSK	1	0	10.22	10.21	10.19	11.5		
		1	24	10.21	10.23	10.21	11.5		
		1	49	10.22	10.21	10.19	11.5		
		25	0	9.12	9.12	9.08	10.5		
		25	25	9.12	9.19	9.19	10.5		
	16QAM	5	0	9.15	9.13	9.21	10.5		
		5	0	9.14	9.15	9.18	10.5		
		1	24	7.21	7.21	7.27	9.5		
		1	49	7.23	7.24	7.21	9.5		
		25	0	6.15	6.17	6.14	9.5		
10M	QPSK	1	0	6.24	6.23	6.21	9.5		
		1	49	6.23	6.24	6.21	9.5		
		25	0	5.18	5.17	5.14	9.5		
		25	25	5.18	5.22	5.19	9.5		
		25	50	5.18	5.18	5.18	9.5		
10M	QPSK	1	0	4.22	4.21	4.19	5.5		
		1	24	4.21	4.23	4.21	5.5		
		1	49	4.22	4.21	4.19	5.5		
		25	0	3.12	3.12	3.08	4.5		
		25	25	3.12	3.19	3.19	4.5		
	16QAM	5	0	3.15	3.13	3.21	4.5		
		5	0	3.14	3.15	3.18	4.5		
		1	24	1.21	1.21	1.27	3.5		
		1	49	1.23	1.24	1.21	3.5		
		25	0	0.15	0.17	0.14	3.5		
10M	QPSK	1	0	0.24	0.23	0.21	3.5		
		1	49	0.23	0.24	0.21	3.5		
		25	0	-0.18	-0.17	-0.14	3.5		
		25	25	-0.18	-0.12	-0.19	3.5		
		25	50	-0.18	-0.18	-0.18	3.5		
10M	QPSK	1	0	-0.22	-0.21	-0.19	3.5		
		1	24	-0.21	-0.23	-0.21	3.5		
		1	49	-0.22	-0.21	-0.19	3.5		
		25	0	-1.12	-1.12	-1.08	2.5		
		25	25	-1.12	-1.19	-1.19	2.5		
	16QAM	5	0	-1.15	-1.13	-1.21	2.5		
		5	0	-1.14	-1.15	-1.18	2.5		
		1	24	-2.21	-2.21	-2.27	1.5		
		1	49	-2.23	-2.24	-2.21	1.5		
		25	0	-3.15	-3.17	-3.14	1.5		
10M	QPSK	1	0	-3.24	-3.23	-3.21	1.5		
		1	49	-3.23	-3.24	-3.21	1.5		
		25	0	-4.18	-4.17	-4.14	1.5		
		25	25	-4.18	-4.22	-4.19	1.5		
		25	50	-4.18	-4.18	-4.18	1.5		
10M	QPSK	1	0	-5.22	-5.21	-5.19	1.5		
		1	24	-5.21	-5.23	-5.21	1.5		
		1	49	-5.22	-5.21	-5.19	1.5		
		25	0	-6.12	-6.12	-6.08	0.5		
		25	25	-6.12	-6.19	-6.19	0.5		
	16QAM	5	0	-6.15	-6.13	-6.21	0.5		
		5	0	-6.14	-6.15	-6.18	0.5		
		1	24	-7.21	-7.21	-7.27	0.5		
		1	49	-7.23	-7.24	-7.21	0.5		
		25	0	-8.15	-8.17	-8.14	0.5		
10M	QPSK	1	0	-8.24	-8.23	-8.21	0.5		
		1	49	-8.23	-8.24	-8.21	0.5		
		25	0	-9.18	-9.17	-9.14	0.5		
		25	25	-9.18	-9.22	-9.19	0.5		
		25	50	-9.18	-9.18	-9.18	0.5		
10M	QPSK	1	0	-10.22	-10.21	-10.19	0.5		
		1	24	-10.21	-10.23	-10.21	0.5		
		1	49	-10.22	-10.21	-10.19	0.5		
		25	0	-11.12	-11.12	-11.08	0.5		
		25	25	-11.12	-11.19	-11.19	0.5		
	16QAM	5	0	-11.15	-11.13	-11.21	0.5		
		5	0	-11.14	-11.15	-11.18	0.5		
		1	24	-12.21	-12.21	-12.27	0.5		
		1	49	-12.23	-12.24	-12.21	0.5		
		25	0	-13.15	-13.17	-13.14	0.5		
10M	QPSK	1	0	-13.24	-13.23	-13.21	0.5		
		1	49	-13.23	-13.24	-13.21	0.5		
		25	0	-14.18	-14.17	-14.14	0.5		
		25	25	-14.18	-14.22	-14.19	0.5		
		25	50	-14.18	-14.18	-14.18	0.5		
10M	QPSK	1	0	-15.22	-15.21	-15.19	0.5		
		1	24	-15.21	-15.23	-15.21	0.5		
		1	49	-15.22	-15.21	-15.19	0.5		
		25	0	-16.12	-16.12	-16.08	0.5		
		25	25	-16.12	-16.19	-16.19	0.5		
	16QAM	5	0	-16.15	-16.13	-16.21	0.5		
		5	0	-16.14	-16.15	-16.18	0.5		
		1	24	-17.21	-17.21	-17.27	0.5		
		1	49	-17.23	-17.24	-17.21	0.5		
		25	0	-18.15	-18.17	-18.14	0.5		
10M	QPSK	1	0	-18.24	-18.23	-18.21	0.5		
		1	49	-18.23	-18.24	-18.21	0.5		
		25	0	-19.18	-19.17	-19.14	0.5		
		25	25	-19.18	-19.22	-19.19	0.5		
		25	50	-19.18	-19.18	-19.18	0.5		
10M	QPSK	1	0	-20.22	-20.21	-20.19	0.5		
		1	24	-20.21	-20.23	-20.21	0.5		
		1	49	-20.22	-20.21	-20.19	0.5		
		25	0	-21.12	-21.12	-21.08	0.5		
		25	25	-21.12	-21.19	-21.19	0.5		
	16QAM	5	0	-21.15	-21.13	-21.21	0.5		
		5	0	-21.14	-21.15	-21.18	0.5		
		1	24	-22.21	-22.21	-22.27	0.5		
		1	49	-22.23	-22.24	-22.21	0.5		
		25	0	-23.15	-23.17	-23.14	0.5		
10M	QPSK	1	0	-23.24	-23.23	-23.21	0.5		
		1	49	-23.23	-23.24	-23.21	0.5		
		25	0	-24.18	-24.17	-24.14	0.5		
		25	25	-24.18	-24.22	-24.19	0.5		

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset		Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1860	1880	1900	
20M	DFT-s-OFDM P/2 BPSK	1	1	20.86	20.90	20.97	22
		1	53	20.78	20.85	20.80	22
		1	104	20.86	20.86	20.71	22
		50	0	20.98	21.01	20.94	22
		50	28	20.90	20.94	20.99	22
		50	56	20.97	20.97	20.88	22
	DFT-s-OFDM QPSK	100	0	20.96	20.84	20.96	22
		1	1	20.99	21.02	21.01	22
		1	53	20.83	20.90	20.90	22
		1	104	20.77	20.91	20.86	22
		50	0	20.41	20.47	20.43	21
		50	28	20.85	20.93	20.90	22
	DFT-s-OFDM 16QAM	50	56	20.47	20.48	20.41	21
		100	0	20.59	20.60	20.53	21
		1	1	19.48	20.45	20.52	21
		1	1	19.02	19.19	18.54	20
		1	1	16.97	16.46	16.35	18
		1	1	16.97	16.46	16.35	18
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	20.96	20.89	21.00	22
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	20.91	20.84	20.96	22
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	20.98	20.97	20.99	22

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	23.26	23.27	23.25	24.5
		1	53	23.23	23.35	23.29	24.5
		1	104	23.28	23.29	23.21	24.5
		50	0	23.35	23.40	23.36	24.5
		50	28	23.30	23.44	23.37	24.5
		50	56	23.37	23.42	23.45	24.5
	DFT-s-OFDM QPSK	100	0	23.32	23.47	23.39	24.5
		1	1	23.42	23.48	23.38	24.5
		1	53	23.32	23.33	23.32	24.5
		1	104	23.41	23.44	23.36	24.5
		50	0	23.37	23.45	23.33	24.5
		50	28	23.41	23.47	23.39	24.5
	DFT-s-OFDM 16QAM	50	56	23.32	23.39	23.38	24.5
		100	0	23.42	23.46	23.43	24.5
		1	1	23.46	23.44	23.45	24.5
		1	1	21.38	21.49	21.50	22.5
		1	1	19.32	19.41	19.34	20.5
		1	1	19.32	19.41	19.34	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	23.40	23.32	23.39	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	23.41	23.34	23.35	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	23.38	23.34	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	21.17	21.30	21.32	22
		1	108	21.24	21.13	21.26	22
		1	214	21.30	21.19	21.34	22
		108	0	20.53	20.64	20.57	21.5
		108	54	21.15	21.14	21.35	22
		108	108	20.56	20.53	20.29	21.5
		216	0	20.50	20.56	20.38	21.5
		1	1	21.32	21.37	21.35	22
	DFT-s-OFDM QPSK	1	108	21.21	21.26	21.23	22
		1	214	21.24	21.30	21.11	22
		108	0	20.59	20.57	20.56	21.5
		108	54	21.09	21.24	21.12	22
		108	108	20.41	20.51	20.44	21.5
		216	0	20.41	20.57	20.50	21.5
	DFT-s-OFDM 16QAM	1	1	20.67	20.68	20.63	21.5
	DFT-s-OFDM 64QAM	1	1	18.56	18.55	18.60	19.5
	DFT-s-OFDM 256QAM	1	1	16.36	16.35	16.25	17.5
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	21.22	21.29	21.17	22
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up
		Frequency (MHz)		1722.5	1745	1767.5	
25M	DFT-s-OFDM QPSK	1	1	21.21	21.28	21.11	22
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	21.20	21.33	21.15	22
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	21.15	21.26	21.05	22
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	21.20	21.24	21.12	22
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	21.28	21.34	21.14	22

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		17.05		18.5
		1	137		16.70		18.5
		1	271		16.86		18.5
		135	0		16.99		18.5
		135	69		16.95		18.5
		135	138		16.80		18.5
		270	0		16.87		18.5
		1	1		17.20		18.5
	DFT-s-OFDM QPSK	1	137		16.88		18.5
		1	271		16.97		18.5
		135	0		17.08		18.5
		135	69		17.18		18.5
		135	138		16.92		18.5
		270	0		17.12		18.5
	DFT-s-OFDM 16QAM	1	1		17.17		18.5
	DFT-s-OFDM 64QAM	1	1		16.95		17.5
	DFT-s-OFDM 256QAM	1	1		15.25		16
BW	MCS Index	Channel		633000	63334	63366	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	17.10	17.14	16.36	18.5
BW	MCS Index	Channel		632668	633334	22.92	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	22.92	
80M	DFT-s-OFDM QPSK	1	1	17.14	17.13	16.38	18.5
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	17.13	17.15	16.30	18.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	17.13	17.16	16.35	18.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	17.13	17.18	16.35	18.5
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	17.14	17.13	16.33	18.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	17.07	17.10	16.30	18.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	17.13	17.19	16.43	18.5
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	17.13	17.08	16.36	18.5
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	17.17	17.18	16.31	18.5
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	17.13	17.17	16.42	18.5

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	16.63	16.72	16.70	18.5
		1	137	16.67	16.83	17.01	18.5
		1	271	16.72	16.90	16.58	18.5
		135	0	16.70	16.84	16.89	18.5
		135	69	16.61	16.85	17.16	18.5
		135	138	16.70	16.87	17.22	18.5
	DFT-s-OFDM QPSK	270	0	16.61	16.88	17.07	18.5
		1	1	16.98	17.07	17.23	18.5
		1	137	16.74	17.05	17.12	18.5
		1	271	16.92	16.91	17.22	18.5
		135	0	16.93	16.79	17.10	18.5
		135	69	16.95	17.03	17.12	18.5
	DFT-s-OFDM 16QAM	135	138	16.80	17.01	17.09	18.5
		270	0	16.84	16.88	17.08	18.5
	DFT-s-OFDM 64QAM	1	1	16.59	16.67	16.99	18.5
		1	1	16.42	16.33	16.82	17.5
	DFT-s-OFDM 256QAM	1	1	14.81	14.73	15.06	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	16.78	16.71	16.81	18.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	16.80	16.71	16.94	18.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	16.84	16.67	16.84	18.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	16.76	16.73	16.81	18.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	16.76	16.63	16.88	18.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	16.75	16.62	16.82	18.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	16.81	16.63	16.85	18.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	16.84	16.63	16.88	18.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	16.84	16.68	16.89	18.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	16.70	16.65	16.87	18.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	16.73	16.67	16.93	18.5

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		19.91		21.5
		1	137		19.74		21.5
		1	271		19.81		21.5
		135	0		19.45		21
		135	69		19.94		21.5
		135	138		19.24		21
	DFT-s-OFDM QPSK	270	0		19.40		21
		1	1		20.10		21.5
		1	137		19.78		21.5
		1	271		19.77		21.5
		135	0		18.85		20.5
		135	69		19.86		21.5
	DFT-s-OFDM 16QAM	135	138		18.73		20.5
		270	0		18.80		20.5
	DFT-s-OFDM 64QAM	1	1		18.98		20.5
		1	1		17.28		18
	DFT-s-OFDM 256QAM	1	1		15.07		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	19.75	19.87	19.76	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	19.65	19.92	19.69	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	19.78	19.85	19.73	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	19.72	19.92	19.77	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	19.77	19.84	19.80	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	19.77	19.93	19.72	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	19.78	19.92	19.79	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	19.77	19.82	19.67	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	19.67	19.89	19.68	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	19.69	19.87	19.77	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	19.75	19.94	19.67	21.5

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	19.81	19.75	19.85	21.5
		1	137	19.69	19.77	20.06	21.5
		1	271	19.58	19.93	20.07	21.5
		135	0	19.17	19.17	19.51	21
		135	69	19.63	19.87	20.03	21.5
		135	138	19.20	19.38	19.61	21
		270	0	19.16	19.30	19.57	21
	DFT-s-OFDM QPSK	1	1	20.02	20.05	20.16	21.5
		1	137	19.76	19.88	20.04	21.5
		1	271	19.64	20.00	20.03	21.5
		135	0	18.72	18.85	19.06	20.5
		135	69	19.68	19.92	20.09	21.5
		135	138	18.64	18.93	19.15	20.5
		270	0	18.64	18.77	19.08	20.5
	DFT-s-OFDM 16QAM	1	1	18.66	18.90	18.92	20.5
	DFT-s-OFDM 64QAM	1	1	16.82	16.83	16.91	18
	DFT-s-OFDM 256QAM	1	1	14.56	14.66	14.95	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	19.74	19.56	19.98	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	19.82	19.58	19.87	21.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	19.77	19.55	19.90	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	19.83	19.45	19.91	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	19.73	19.55	19.93	21.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	19.86	19.51	19.95	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	19.75	19.56	19.94	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	19.86	19.52	19.90	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	19.73	19.48	19.95	21.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	19.87	19.58	19.98	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	19.87	19.44	19.91	21.5

Sensor on/Hotspot_D86A8_8m-Tx

CA 4B (Ant2)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power
20450	829	20549	838.9	QPSK	1	49	1	0	1	2476	25.5
				16QAM	1	49	1	0	1	2392	24.5
				64QAM	1	49	1	0	1	2381	24.5
				256QAM	1	49	1	0	1	1973	20.5
20478	831.6	20575	841.5	QPSK	1	49	1	0	2473	25.5	
				16QAM	1	49	1	0	1	2393	24.5
				64QAM	1	49	1	0	1	2344	23.5
				256QAM	1	49	1	0	1	1982	20.5
20501	834.1	20600	844	QPSK	1	49	1	0	2462	25.5	
				16QAM	1	49	1	0	1	2381	24.5
				64QAM	1	49	1	0	1	2325	23.5
				256QAM	1	49	1	0	1	1978	20.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power
20450	829	20522	836.2	QPSK	1	49	1	0	1	2485	25.5
				16QAM	1	49	1	0	1	2381	24.5
				64QAM	1	49	1	0	1	2248	23.5
				256QAM	1	49	1	0	1	1949	20.5
20500	834	20572	841.2	QPSK	1	49	1	0	2453	25.5	
				16QAM	1	49	1	0	1	2433	24.5
				64QAM	1	49	1	0	1	2237	23.5
				256QAM	1	49	1	0	1	1963	20.5
20550	839	20622	846.2	QPSK	1	49	1	0	2446	25.5	
				16QAM	1	49	1	0	1	2370	24.5
				64QAM	1	49	1	0	1	2213	23.5
				256QAM	1	49	1	0	1	1954	20.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power
20428	826.8	20500	834	QPSK	1	24	1	0	1	2454	25.5
				16QAM	1	24	1	0	1	2382	24.5
				64QAM	1	24	1	0	1	2235	23.5
				256QAM	1	24	1	0	1	1950	20.5
20478	831.8	20550	839	QPSK	1	24	1	0	2455	25.5	
				16QAM	1	24	1	0	1	2376	24.5
				64QAM	1	24	1	0	1	2236	23.5
				256QAM	1	24	1	0	1	1981	20.5
20528	836.8	20600	844	QPSK	1	24	1	0	2449	25.5	
				16QAM	1	24	1	0	1	2370	24.5
				64QAM	1	24	1	0	1	2210	23.5
				256QAM	1	24	1	0	1	1953	20.5
Combination 5MHz+3MHz (25RB+15RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power
20425	826.5	20464	830.4	QPSK	1	24	1	0	1	2448	25.5
				16QAM	1	24	1	0	1	2367	24.5
				64QAM	1	24	1	0	1	2232	23.5
				256QAM	1	24	1	0	1	1942	20.5
20510	835	20549	838.9	QPSK	1	24	1	0	2441	25.5	
				16QAM	1	24	1	0	1	2378	24.5
				64QAM	1	24	1	0	1	2235	23.5
				256QAM	1	24	1	0	1	1985	20.5
20595	843.5	20634	847.4	QPSK	1	24	1	0	2433	25.5	
				16QAM	1	24	1	0	1	2376	24.5
				64QAM	1	24	1	0	1	2204	23.5
				256QAM	1	24	1	0	1	1946	20.5
Combination 3MHz+5MHz (15RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power
20416	825.6	20455	829.5	QPSK	1	14	1	0	1	2437	25.5
				16QAM	1	14	1	0	1	2357	24.5
				64QAM	1	14	1	0	1	2254	23.5
				256QAM	1	14	1	0	1	1945	20.5
20501	834.1	20540	838	QPSK	1	14	1	0	2435	25.5	
				16QAM	1	14	1	0	1	2365	24.5
				64QAM	1	14	1	0	1	2228	23.5
				256QAM	1	14	1	0	1	1957	20.5
20586	842.6	20625	846.5	QPSK	1	14	1	0	2428	25.5	
				16QAM	1	14	1	0	1	2366	24.5
				64QAM	1	14	1	0	1	2210	23.5
				256QAM	1	14	1	0	1	1948	20.5

CA 66B (Ant1)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132022	1715	132121	1724.9	QPSK	1	49	1	0	1	22.22	22.5
				16QAM	1	49	1	0	1	21.41	21.5
				64QAM	1	49	1	0	1	18.84	20.5
				256QAM	1	49	1	0	1	17.21	17.5
132373	1750.1	132472	1760	QPSK	1	49	1	0	1	21.84	22.5
				16QAM	1	49	1	0	1	21.34	21.5
				64QAM	1	49	1	0	1	18.86	20.5
				256QAM	1	49	1	0	1	17.18	17.5
132523	1765.1	132622	1775	QPSK	1	49	1	0	1	21.92	22.5
				16QAM	1	49	1	0	1	21.23	21.5
				64QAM	1	49	1	0	1	16.80	20.5
				256QAM	1	49	1	0	1	17.13	17.5
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132047	1717.5	132140	1726.8	QPSK	1	74	1	0	1	22.12	22.5
				16QAM	1	74	1	0	1	21.40	21.5
				64QAM	1	74	1	0	1	19.72	20.5
				256QAM	1	74	1	0	1	17.14	17.5
132398	1752.6	132491	1761.9	QPSK	1	74	1	0	1	21.95	22.5
				16QAM	1	74	1	0	1	21.37	21.5
				64QAM	1	74	1	0	1	19.77	20.5
				256QAM	1	74	1	0	1	17.11	17.5
132549	1767.7	132642	1777	QPSK	1	74	1	0	1	21.85	22.5
				16QAM	1	74	1	0	1	21.16	21.5
				64QAM	1	74	1	0	1	19.68	20.5
				256QAM	1	74	1	0	1	17.07	17.5
Combination 5MHz+15MHz (25RB+75RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132002	1713	132095	1722.3	QPSK	1	24	1	0	1	22.07	22.5
				16QAM	1	24	1	0	1	21.24	21.5
				64QAM	1	24	1	0	1	19.63	20.5
				256QAM	1	24	1	0	1	17.07	17.5
132353	1748.1	132446	1757.4	QPSK	1	24	1	0	1	21.92	22.5
				16QAM	1	24	1	0	1	21.21	21.5
				64QAM	1	24	1	0	1	19.85	20.5
				256QAM	1	24	1	0	1	17.07	17.5
132504	1763.2	132597	1772.5	QPSK	1	24	1	0	1	21.79	22.5
				16QAM	1	24	1	0	1	21.15	21.5
				64QAM	1	24	1	0	1	19.66	20.5
				256QAM	1	24	1	0	1	17.01	17.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132022	1715	132094	1722.2	QPSK	1	49	1	0	1	21.95	22.5
				16QAM	1	49	1	0	1	21.25	21.5
				64QAM	1	49	1	0	1	19.70	20.5
				256QAM	1	49	1	0	1	17.12	17.5
132397	1752.5	132489	1759.7	QPSK	1	49	1	0	1	21.89	22.5
				16QAM	1	49	1	0	1	21.17	21.5
				64QAM	1	49	1	0	1	19.81	20.5
				256QAM	1	49	1	0	1	16.88	17.5
132572	1770	132644	1777.2	QPSK	1	49	1	0	1	21.57	22.5
				16QAM	1	49	1	0	1	21.13	21.5
				64QAM	1	49	1	0	1	19.75	20.5
				256QAM	1	49	1	0	1	17.05	17.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132000	1712.8	132072	1720	QPSK	1	24	1	0	1	21.94	22.5
				16QAM	1	24	1	0	1	21.23	21.5
				64QAM	1	24	1	0	1	19.56	20.5
				256QAM	1	24	1	0	1	17.13	17.5
132375	1750.3	132447	1757.5	QPSK	1	24	1	0	1	21.83	22.5
				16QAM	1	24	1	0	1	21.28	21.5
				64QAM	1	24	1	0	1	19.73	20.5
				256QAM	1	24	1	0	1	16.95	17.5
132550	1767.8	132622	1775	QPSK	1	24	1	0	1	21.70	22.5
				16QAM	1	24	1	0	1	21.09	21.5
				64QAM	1	24	1	0	1	19.62	20.5
				256QAM	1	24	1	0	1	16.96	17.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
131997	1712.5	132045	1717.3	QPSK	1	24	1	0	1	21.96	22.5
				16QAM	1	24	1	0	1	21.24	21.5
				64QAM	1	24	1	0	1	19.64	20.5
				256QAM	1	24	1	0	1	16.99	17.5
132398	1777.5	132446	1782.3	QPSK	1	24	1	0	1	21.88	22.5
				16QAM	1	24	1	0	1	21.23	21.5
				64QAM	1	24	1	0	1	19.78	20.5
				256QAM	1	24	1	0	1	16.80	17.5
132599	1772.7	132647	1777.5	QPSK	1	24	1	0	1	21.60	22.5
				16QAM	1	24	1	0	1	20.02	21.5
				64QAM	1	24	1	0	1	19.67	20.5
				256QAM	1	24	1	0	1	16.92	17.5

CA_66C (Ant1)										
Combination 20MHz+20MHz (100RB+100RB)										
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		
132072	1720	132270	1739.8	QPSK	1	99	1	0	22.00	22.5
				16QAM	1	99	1	0	21.31	21.5
				64QAM	1	99	1	0	19.43	20.5
				256QAM	1	99	1	0	17.12	17.5
132323	1745.1	132521	1764.9	QPSK	1	99	1	0	22.09	22.5
				16QAM	1	99	1	0	21.15	21.5
				64QAM	1	99	1	0	19.87	20.5
				256QAM	1	99	1	0	17.03	17.5
132374	1750.2	132572	1770	QPSK	1	99	1	0	21.99	22.5
				16QAM	1	99	1	0	21.20	21.5
				64QAM	1	99	1	0	19.23	20.5
				256QAM	1	99	1	0	17.02	17.5
Combination 20MHz+15MHz (100RB+75RB)										
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		
132072	1720	132243	1737.1	QPSK	1	99	1	0	21.87	22.5
				16QAM	1	99	1	0	21.21	21.5
				64QAM	1	99	1	0	19.32	20.5
				256QAM	1	99	1	0	17.11	17.5
132346	1747.6	132519	1764.7	QPSK	1	99	1	0	21.80	22.5
				16QAM	1	99	1	0	21.02	21.5
				64QAM	1	99	1	0	19.72	20.5
				256QAM	1	99	1	0	17.08	17.5
132423	1756.1	132594	1772.2	QPSK	1	99	1	0	21.99	22.5
				16QAM	1	99	1	0	20.98	21.5
				64QAM	1	99	1	0	19.15	20.5
				256QAM	1	99	1	0	16.95	17.5
Combination 15MHz+20MHz (75RB+100RB)										
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		
132060	1717.8	132221	1734.9	QPSK	1	74	1	0	21.94	22.5
				16QAM	1	74	1	0	21.24	21.5
				64QAM	1	74	1	0	19.34	20.5
				256QAM	1	74	1	0	16.96	17.5
132325	1745.3	132496	1762.4	QPSK	1	74	1	0	21.93	22.5
				16QAM	1	74	1	0	21.16	21.5
				64QAM	1	74	1	0	19.70	20.5
				256QAM	1	74	1	0	17.03	17.5
132401	1752.9	132572	1770	QPSK	1	74	1	0	21.84	22.5
				16QAM	1	74	1	0	21.08	21.5
				64QAM	1	74	1	0	19.27	20.5
				256QAM	1	74	1	0	16.82	17.5
Combination 20MHz+10MHz (100RB+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		
132072	1720	132216	1734.4	QPSK	1	99	1	0	21.93	22.5
				16QAM	1	99	1	0	21.42	21.5
				64QAM	1	99	1	0	19.72	20.5
				256QAM	1	99	1	0	17.19	17.5
132373	1750.1	132517	1764.5	QPSK	1	99	1	0	21.88	22.5
				16QAM	1	99	1	0	21.30	21.5
				64QAM	1	99	1	0	19.76	20.5
				256QAM	1	99	1	0	17.13	17.5
132473	1760.1	132617	1774.5	QPSK	1	99	1	0	21.81	22.5
				16QAM	1	99	1	0	21.18	21.5
				64QAM	1	99	1	0	19.64	20.5
				256QAM	1	99	1	0	17.10	17.5
Combination 10MHz+20MHz (50RB+100RB)										
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		
132027	1715.5	132171	1729.9	QPSK	1	49	1	0	21.94	22.5
				16QAM	1	49	1	0	21.34	21.5
				64QAM	1	49	1	0	19.64	20.5
				256QAM	1	49	1	0	17.15	17.5
132326	1745.6	132472	1760	QPSK	1	49	1	0	21.76	22.5
				16QAM	1	49	1	0	21.25	21.5
				64QAM	1	49	1	0	19.76	20.5
				256QAM	1	49	1	0	17.04	17.5
132426	1755.6	132572	1770	QPSK	1	49	1	0	21.67	22.5
				16QAM	1	49	1	0	21.01	21.5
				64QAM	1	49	1	0	19.66	20.5
				256QAM	1	49	1	0	17.05	17.5
Combination 15MHz+15MHz (75RB+75RB)										
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		
132047	1717.5	132197	1732.5	QPSK	1	74	1	0	22.06	22.5
				16QAM	1	74	1	0	21.39	21.5
				64QAM	1	74	1	0	19.96	20.5
				256QAM	1	74	1	0	17.25	17.5
132347	1747.5	132497	1762.5	QPSK	1	74	1	0	21.79	22.5
				16QAM	1	74	1	0	21.17	21.5
				64QAM	1	74	1	0	19.66	20.5
				256QAM	1	74	1	0	17.14	17.5
132447	1757.5	132597	1772.5	QPSK	1	74	1	0	21.72	22.5
				16QAM	1	74	1	0	21.13	21.5
				64QAM	1	74	1	0	19.76	20.5
				256QAM	1	74	1	0	16.99	17.5
Combination 15MHz+10MHz (75RB+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		
132047	1717.5	132167	1729.5	QPSK	1	74	1	0	21.93	22.5
				16QAM	1	74	1	0	21.25	21.5
				64QAM	1	74	1	0	19.53	20.5
				256QAM	1	74	1	0	17.00	17.5
132373	1750.1	132493	1762.1	QPSK	1	74	1	0	21.71	22.5
				16QAM	1	74	1	0	21.12	21.5
				64QAM	1	74	1	0	19.67	20.5
				256QAM	1	74	1	0	17.02	17.5
132496	1762.7	132619	1774.7	QPSK	1	74	1	0	21.70	22.5
				16QAM	1	74	1	0	21.02	21.5
				64QAM	1	74	1	0	19.55	20.5
				256QAM	1	74	1	0	17.02	17.5
Combination 10MHz+15MHz (50RB+75RB)										
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		
132025	1715.3	132145	1727.3	QPSK	1	49	1	0	22.11	22.5
				16QAM	1	49	1	0	21.18	21.5
				64QAM	1	49	1	0	19.45	20.5
				256QAM	1	49	1	0	17.01	17.5
132351	1747.9	132471	1759.9	QPSK	1	49	1	0	21.69	22.5
				16QAM	1	49	1	0	21.08	21.5
				64QAM	1	49	1	0	19.54	20.5
				256QAM	1	49	1	0	17.04	17.5
132477	1760.5	132597	1772.5	QPSK	1	49	1	0	21.57	22.5
				16QAM	1	49	1	0	20.95	21.5
				64QAM	1	49	1	0	19.65	20.5
				256QAM	1	49	1	0	17.11	17.5
Combination 20MHz+5MHz (100RB+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		
132072	1720	132189	1731.7	QPSK	1	99	1	0	21.11	22.5
				16QAM	1	99	1	0	20.32	21.5
				64QAM	1	99	1	0	19.44	20.5
				256QAM	1	99	1	0	17.09	17.5
132397	1752.5	132514	1764.2	QPSK	1	99	1	0	21.74	22.5
				16QAM	1	99	1	0	21.10	21.5
				64QAM	1	99	1	0	19.62	20.5
				256QAM	1	99	1	0	17.00	17.5
132522	1765	132639	1776.7	QPSK	1	99	1	0	21.59	22.5
				16QAM	1	99	1	0	20.98	21.5
				64QAM	1	99	1	0	19.53	20.5
				256QAM	1	99	1	0	17.02	17.5
Combination 5MHz+20MHz (25RB+100RB)										
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		
132005	1713.3	132122	1725	QPSK	1	24	1	0	21.93	22.5
				16QAM	1	24	1	0	21.29	21.5
				64QAM	1	24	1	0	19.48	20.5
				256QAM	1	24	1	0	17.13	17.5
132330	1745.8	132447	1757.5	QPSK	1	24	1	0	21.84	22.5
				16QAM	1	24	1	0	21.14	21.5
				64QAM	1	24	1	0	19.57	20.5
				256QAM	1	24	1	0	16.96	17.5
132455	1758.3	132572	1770	QPSK	1	24	1	0	21.67	22.5
				16QAM	1	24	1	0	20.98	21.5
				64QAM	1	24	1	0	19.59	20.5
				256QAM	1	24	1	0	16.98	17.5

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	21.95		23.5	
		1	137	21.69		23.5	
		1	271	21.67		23.5	
		135	0	21.89		23.5	
		135	69	21.73		23.5	
		135	138	21.76		23.5	
		270	0	21.70		23.5	
	DFT-s-OFDM QPSK	1	1	22.16		23.5	
		1	137	21.84		23.5	
		1	271	21.85		23.5	
		135	0	22.05		23.5	
		135	69	22.08		23.5	
		135	138	21.91		23.5	
		270	0	21.89		23.5	
	DFT-s-OFDM 16QAM	1	1	22.14		23.5	
	DFT-s-OFDM 64QAM	1	1	21.77		22.5	
	DFT-s-OFDM 256QAM	1	1	20.21		21	
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	22.11	22.13	22.15	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	22.06	21.99	22.08	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	21.97	22.02	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	22.00	22.10	22.13	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	21.98	22.09	22.14	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	22.09	22.03	22.06	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	22.06	22.01	22.13	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	21.99	22.12	22.04	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	22.02	22.00	22.01	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	22.07	22.06	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	21.98	22.08	22.05	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	21.88	22.06	22.01	23.5
		1	137	21.91	22.21	22.42	23.5
		1	271	22.00	22.28	21.69	23.5
		135	0	22.06	22.17	22.22	23.5
		135	69	21.95	22.13	22.41	23.5
		135	138	22.08	22.15	22.54	23.5
		270	0	21.98	22.21	22.42	23.5
	DFT-s-OFDM QPSK	1	1	22.26	22.26	22.57	23.5
		1	137	22.06	22.32	22.37	23.5
		1	271	22.16	22.29	22.55	23.5
		135	0	22.21	22.15	22.38	23.5
		135	69	22.24	22.39	22.46	23.5
		135	138	22.19	22.33	22.43	23.5
		270	0	22.26	22.22	22.45	23.5
	DFT-s-OFDM 16QAM	1	1	22.04	22.05	22.30	23.5
	DFT-s-OFDM 64QAM	1	1	21.75	21.66	22.06	22.5
	DFT-s-OFDM 256QAM	1	1	20.05	20.07	20.38	21
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	22.18	22.12	22.49	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	22.19	22.25	22.50	23.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	22.16	22.11	22.46	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	22.24	22.14	22.43	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	22.19	22.14	22.47	23.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	22.12	22.11	22.47	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	22.17	22.13	22.42	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	22.11	22.25	22.46	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	22.21	22.22	22.55	23.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	22.15	22.14	22.48	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	22.12	22.23	22.42	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	18.02		19	
		1	137	17.84		19	
		1	271	17.78		19	
		135	0	18.08		19	
		135	69	17.82		19	
		135	138	17.81		19	
		270	0	17.88		19	
	DFT-s-OFDM QPSK	1	1	18.41		19	
		1	137	18.00		19	
		1	271	18.09		19	
		135	0	18.16		19	
		135	69	18.27		19	
		135	138	18.03		19	
		270	0	18.05		19	
	DFT-s-OFDM 16QAM	1	1	18.12		19	
	DFT-s-OFDM 64QAM	1	1	17.91		18.5	
	DFT-s-OFDM 256QAM	1	1	16.42		17.5	
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	18.37	18.39	18.33	19
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	18.36	18.35	18.23	19
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	18.29	18.30	18.23	19
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	18.25	18.32	18.32	19
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	18.25	18.34	18.30	19
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	18.28	18.36	18.31	19
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	18.36	18.27	18.23	19
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	18.24	18.28	18.23	19
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	18.30	18.26	18.24	19
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	18.30	18.30	18.28	19
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	18.34	18.37	18.19	19

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	17.78	17.85	17.75	19
		1	137	17.66	18.24	17.97	19
		1	271	17.81	17.43	18.09	19
		135	0	17.94	17.91	17.87	19
		135	69	17.78	18.16	17.84	19
		135	138	17.90	18.38	17.83	19
		270	0	17.77	18.27	18.12	19
	DFT-s-OFDM QPSK	1	1	18.10	18.46	18.24	19
		1	137	17.85	18.16	18.10	19
		1	271	17.94	18.40	18.03	19
		135	0	18.05	18.06	18.04	19
		135	69	17.97	18.37	18.15	19
		135	138	18.00	18.27	18.13	19
		270	0	18.04	18.14	17.99	19
	DFT-s-OFDM 16QAM	1	1	17.74	18.14	17.88	19
	DFT-s-OFDM 64QAM	1	1	17.58	17.89	17.40	18.5
	DFT-s-OFDM 256QAM	1	1	15.83	16.15	15.84	17.5
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
90M	DFT-s-OFDM QPSK	1	1	18.06	18.36	18.19	19
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	18.01	18.40	18.20	19
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	18.05	18.35	18.11	19
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	18.01	18.34	18.20	19
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	18.08	18.36	18.16	19
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	17.95	18.42	18.16	19
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	17.99	18.32	18.17	19
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	17.96	18.45	18.10	19
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	17.95	18.42	18.11	19
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	18.05	18.38	18.18	19
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	18.08	18.42	18.18	19

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	18.81		20.5	
		1	137	18.47		20.5	
		1	271	18.46		20.5	
		135	0	18.75		20.5	
		135	69	18.48		20.5	
		135	138	18.58		20.5	
		270	0	18.66		20.5	
	DFT-s-OFDM QPSK	1	1	19.10		20.5	
		1	137	18.60		20.5	
		1	271	18.78		20.5	
		135	0	18.89		20.5	
		135	69	18.95		20.5	
		135	138	18.74		20.5	
		270	0	18.84		20.5	
	DFT-s-OFDM 16QAM	1	1	18.74		20.5	
	DFT-s-OFDM 64QAM	1	1	18.49		19.5	
	DFT-s-OFDM 256QAM	1	1	17.03		18	
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	19.08	19.09	19.06	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	19.01	19.02	18.94	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	18.98	19.08	18.98	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	18.95	18.96	18.95	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	18.97	18.95	18.93	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	19.03	19.07	19.02	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	18.94	19.05	18.98	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	19.07	19.08	19.00	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	19.04	19.02	18.91	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	19.05	19.01	19.04	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	18.94	18.97	18.97	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	19.00	19.00	19.03	20.5
		1	137	18.87	19.35	19.14	20.5
		1	271	19.08	18.60	19.26	20.5
		135	0	19.09	19.07	19.12	20.5
		135	69	18.95	19.32	19.06	20.5
		135	138	19.08	19.53	19.01	20.5
		270	0	19.02	19.39	19.30	20.5
	DFT-s-OFDM QPSK	1	1	19.33	19.65	19.58	20.5
		1	137	19.14	19.31	19.20	20.5
		1	271	19.21	19.63	19.22	20.5
		135	0	19.21	19.32	19.19	20.5
		135	69	19.17	19.56	19.24	20.5
		135	138	19.22	19.49	19.39	20.5
		270	0	19.14	19.39	19.15	20.5
	DFT-s-OFDM 16QAM	1	1	19.01	19.30	19.04	20.5
	DFT-s-OFDM 64QAM	1	1	18.71	19.08	18.63	19.5
	DFT-s-OFDM 256QAM	1	1	16.89	17.29	17.08	18
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	19.22	19.57	19.49	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	19.29	19.51	19.57	20.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	19.18	19.52	19.54	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	19.30	19.59	19.45	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	19.29	19.55	19.48	20.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	19.23	19.55	19.46	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	19.25	19.60	19.46	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	19.27	19.55	19.51	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	19.27	19.50	19.56	20.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	19.31	19.58	19.43	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	19.24	19.55	19.57	20.5

LTE Band 4 (A5)									
BW	Utilization	90 MHz		150 MHz		300 MHz		600 MHz	
		Channel	Frequency (GHz)	Low	Mid	High	Max. Throughput (Gbps)	Max. Throughput (Gbps)	Max. Throughput (Gbps)
QPSK		1	0	20.27	22.59	23.97	24.5	24.5	24.5
		1	50	22.83	22.83	23.03	24.5	24.5	24.5
		1	50	22.86	22.86	23.06	24.5	24.5	24.5
		1	50	21.59	22.01	22.02	24.5	24.5	24.5
		1	50	21.54	21.61	21.67	24.5	24.5	24.5
16QAM		1	0	21.06	21.06	21.14	22.0	22.0	22.0
		1	50	21.59	21.59	21.74	23.5	23.5	23.5
		1	50	21.59	21.59	21.74	23.5	23.5	23.5
		1	50	21.51	21.51	21.61	22.0	22.0	22.0
		1	50	21.51	21.51	21.61	22.0	22.0	22.0
64QAM		1	0	20.77	20.84	20.77	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
		1	50	21.22	21.24	21.24	21.5	21.5	21.5
		1	50	21.08	21.08	21.14	21.5	21.5	21.5
		1	50	21.08	21.08	21.14	21.5	21.5	21.5
256QAM		1	0	19.34	19.36	19.35	21.5	21.5	21.5
		1	0	17.75	17.89	17.83	19.5	19.5	19.5
		1	50	17.89	17.89	18.09	19.5	19.5	19.5
		1	50	17.89	17.89	18.09	19.5	19.5	19.5
		1	50	18.01	18.03	18.01	19.5	19.5	19.5
BW	Utilization	Channel	Frequency (GHz)	Low	Mid	High	Max. Throughput (Gbps)	Max. Throughput (Gbps)	Max. Throughput (Gbps)
		1	0	17.83	17.83	17.83	19.5	19.5	19.5
		1	0	22.83	22.75	22.87	24.5	24.5	24.5
		1	0	22.75	22.75	22.75	24.5	24.5	24.5
		1	74	22.74	22.76	22.76	24.5	24.5	24.5
QPSK		1	0	21.76	21.81	21.81	23.5	23.5	23.5
		1	50	21.76	21.76	21.84	23.5	23.5	23.5
		1	50	21.76	21.76	21.75	23.5	23.5	23.5
		1	50	21.64	21.67	21.73	23.5	23.5	23.5
		1	50	21.67	21.67	21.73	23.5	23.5	23.5
16QAM		1	0	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
64QAM		1	0	20.76	20.76	20.76	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
256QAM		1	0	19.34	19.36	19.35	21.5	21.5	21.5
		1	0	17.75	17.89	17.83	19.5	19.5	19.5
		1	50	17.89	17.89	18.09	19.5	19.5	19.5
		1	50	17.89	17.89	18.09	19.5	19.5	19.5
		1	50	18.01	18.03	18.01	19.5	19.5	19.5
BW	Utilization	Channel	Frequency (GHz)	Low	Mid	High	Max. Throughput (Gbps)	Max. Throughput (Gbps)	Max. Throughput (Gbps)
		1	0	17.83	17.83	17.83	19.5	19.5	19.5
		1	0	22.83	22.75	22.87	24.5	24.5	24.5
		1	0	22.75	22.75	22.75	24.5	24.5	24.5
		1	74	22.74	22.76	22.76	24.5	24.5	24.5
QPSK		1	0	21.76	21.81	21.81	23.5	23.5	23.5
		1	50	21.76	21.76	21.84	23.5	23.5	23.5
		1	50	21.76	21.76	21.75	23.5	23.5	23.5
		1	50	21.64	21.67	21.73	23.5	23.5	23.5
		1	50	21.67	21.67	21.73	23.5	23.5	23.5
16QAM		1	0	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
64QAM		1	0	20.76	20.76	20.76	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
256QAM		1	0	19.34	19.36	19.35	21.5	21.5	21.5
		1	0	17.75	17.89	17.83	19.5	19.5	19.5
		1	50	17.89	17.89	18.09	19.5	19.5	19.5
		1	50	17.89	17.89	18.09	19.5	19.5	19.5
		1	50	18.01	18.03	18.01	19.5	19.5	19.5
BW	Utilization	Channel	Frequency (GHz)	Low	Mid	High	Max. Throughput (Gbps)	Max. Throughput (Gbps)	Max. Throughput (Gbps)
		1	0	17.83	17.83	17.83	19.5	19.5	19.5
		1	0	22.83	22.75	22.87	24.5	24.5	24.5
		1	0	22.75	22.75	22.75	24.5	24.5	24.5
		1	74	22.74	22.76	22.76	24.5	24.5	24.5
QPSK		1	0	21.76	21.81	21.81	23.5	23.5	23.5
		1	50	21.76	21.76	21.84	23.5	23.5	23.5
		1	50	21.76	21.76	21.75	23.5	23.5	23.5
		1	50	21.64	21.67	21.73	23.5	23.5	23.5
		1	50	21.67	21.67	21.73	23.5	23.5	23.5
16QAM		1	0	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
64QAM		1	0	20.76	20.76	20.76	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
256QAM		1	0	19.34	19.36	19.35	21.5	21.5	21.5
		1	0	17.75	17.89	17.83	19.5	19.5	19.5
		1	50	17.89	17.89	18.09	19.5	19.5	19.5
		1	50	17.89	17.89	18.09	19.5	19.5	19.5
		1	50	18.01	18.03	18.01	19.5	19.5	19.5
BW	Utilization	Channel	Frequency (GHz)	Low	Mid	High	Max. Throughput (Gbps)	Max. Throughput (Gbps)	Max. Throughput (Gbps)
		1	0	17.83	17.83	17.83	19.5	19.5	19.5
		1	0	22.83	22.75	22.87	24.5	24.5	24.5
		1	0	22.75	22.75	22.75	24.5	24.5	24.5
		1	74	22.74	22.76	22.76	24.5	24.5	24.5
QPSK		1	0	21.76	21.81	21.81	23.5	23.5	23.5
		1	50	21.76	21.76	21.84	23.5	23.5	23.5
		1	50	21.76	21.76	21.75	23.5	23.5	23.5
		1	50	21.64	21.67	21.73	23.5	23.5	23.5
		1	50	21.67	21.67	21.73	23.5	23.5	23.5
16QAM		1	0	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
64QAM		1	0	20.76	20.76	20.76	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
256QAM		1	0	19.34	19.36	19.35	21.5	21.5	21.5
		1	0	17.75	17.89	17.83	19.5	19.5	19.5
		1	50	17.89	17.89	18.09	19.5	19.5	19.5
		1	50	17.89	17.89	18.09	19.5	19.5	19.5
		1	50	18.01	18.03	18.01	19.5	19.5	19.5
BW	Utilization	Channel	Frequency (GHz)	Low	Mid	High	Max. Throughput (Gbps)	Max. Throughput (Gbps)	Max. Throughput (Gbps)
		1	0	17.83	17.83	17.83	19.5	19.5	19.5
		1	0	22.83	22.75	22.87	24.5	24.5	24.5
		1	0	22.75	22.75	22.75	24.5	24.5	24.5
		1	74	22.74	22.76	22.76	24.5	24.5	24.5
QPSK		1	0	21.76	21.81	21.81	23.5	23.5	23.5
		1	50	21.76	21.76	21.84	23.5	23.5	23.5
		1	50	21.76	21.76	21.75	23.5	23.5	23.5
		1	50	21.64	21.67	21.73	23.5	23.5	23.5
		1	50	21.67	21.67	21.73	23.5	23.5	23.5
16QAM		1	0	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
64QAM		1	0	20.76	20.76	20.76	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
		1	50	20.84	20.84	21.04	22.0	22.0	22.0
256QAM		1	0	19.34	19.36	19.35	21.5	21.5	21.5
		1	0	17.75	17.89	17.83	19.5	19.5	19.5
		1	50	17.89	17.89	18.09	19.5	19.5	19.5
		1	50	17.89	17.89	18.09	19.5	19.5	19.5
		1	50	18.01	18.03	18.01	19.5	19.5	19.5
BW	Utilization	Channel	Frequency (GHz)	Low	Mid	High	Max. Throughput (Gbps)	Max. Throughput (Gbps)	Max. Throughput (Gbps)
		1	0	17.83	17.83	17.83	19.5	19.5	19.5
		1	0	22.83	22.75	22.87	24.5	24.5	24.5
		1	0	22.75	22.75	22.75	24.5	24.5	24.5
		1	74	22.74	22.76	22.76	24.5	24.5	24.5
QPSK		1	0	21.76	21.81	21.81	23.5	23.5	23.5
		1	50	21.76	21.76	21.84	23.5	23.5	23.5
		1	50	21.76	21.76	21.75	23.5	23.5	23.5
		1	50	21.64	21.67	21.73	23.5	23.5	23.5
		1	50	21.67	21.67	21.73	23.5	23.5	23.5
16QAM		1	0	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	23.5	23.5
		1	50	21.83	21.87	21.86	23.5	2	

LTE Band 8 (AnT2)											
BW	Modulation	RB Size		RB Offset		Low		Mid		Max	
		Channel		Frequency (MHz)		2010		2020		2030	
5M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
10M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
15M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
20M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
25M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
30M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
35M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
40M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
45M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
50M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
55M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
60M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
65M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
70M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
75M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
80M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
85M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
90M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
95M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
100M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
105M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
110M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
115M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
120M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5
125M	QPSK	1	0	23.96	23.91	23.94	25.5	23.97	25.5	23.97	25.5
		1	24	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.93	23.83	23.93	25.5	23.93	25.5	23.93	25.5
		4	0	23.97	23.86	23.96	25.5	23.97	25.5	23.97	25.5
		25	0	23.92	23.82	23.96	25.5	23.92	25.5	23.92	25.5

LTE Band 12 (An2)									
BW	Modulation	Channel	RB Size	RB Offset	Low	Mid	High	Max. Time-use (ms)	Max. Power (dBm)
			Frequency (MHz)	20B	20B	20B	20B		
5W	QPSK	1	0	2408	2408	2408	2408	25.5	25.5
		1	24	2432	2431	2409	2409	25.5	25.5
		4	2417	2417	2417	2417	25.5	25.5	
		12	0	2431	2431	2430	2430	24.5	24.5
		25	25	2515	2515	2514	2514	24.5	24.5
	16QAM	25	25	2515	2515	2514	2514	24.5	24.5
		1	24	2338	2331	2338	24.5	24.5	
		4	2409	2337	2326	2321	2313	24.5	24.5
		12	0	2411	2411	2411	2411	23.5	23.5
		25	12	2217	2222	2222	2225	23.5	23.5
60W	QPSK	25	25	2516	2516	2516	2516	23.5	23.5
		1	0	2222	2221	2219	2219	23.5	23.5
		1	24	2221	2221	2221	2221	23.5	23.5
		1	49	2223	2216	2223	23.5	23.5	
		25	0	2112	2112	2112	2112	22.5	22.5
	16QAM	25	25	2112	2112	2112	2112	22.5	22.5
		25	20	2116	2113	2121	2121	22.5	22.5
		0	0	2114	2110	2110	2110	22.5	22.5
		1	24	2121	2121	2121	2121	22.5	22.5
		1	21	1921	1931	1927	1925	21.5	21.5
250W	QPSK	25	25	1926	1926	1926	1926	20.5	20.5
		25	25	1915	1917	1914	1914	20.5	20.5
		25	12	1924	1923	1921	1921	20.5	20.5
		25	15	1912	1912	1912	1912	20.5	20.5
		50	0	1926	1918	1918	1918	20.5	20.5
	16QAM	50	0	1926	1918	1918	1918	20.5	20.5
		1	0	2407	2358	2352	2352	25.5	25.5
		1	12	2404	2401	2404	2404	25.5	25.5
		25	25	2388	2388	2388	2388	25.5	25.5
		12	0	2387	2385	2383	2383	24.5	24.5
5W	QPSK	12	0	2387	2388	2388	2388	24.5	24.5
		12	6	2381	2388	2388	2388	24.5	24.5
		12	13	2380	2388	2388	2388	24.5	24.5
		25	0	2387	2386	2386	2386	24.5	24.5
		1	12	2380	2374	2374	2374	24.5	24.5
	16QAM	1	24	2331	2331	2338	24.5	24.5	
		12	0	2310	2322	2322	2322	24.5	24.5
		12	6	2215	2209	2212	2215	23.5	23.5
		12	13	2208	2207	2208	2208	23.5	23.5
		1	0	2214	2218	2216	2216	23.5	23.5
60W	QPSK	1	24	2215	2215	2215	2215	23.5	23.5
		12	6	2188	2184	2185	2225	23.5	23.5
		12	13	2187	2187	2187	2187	23.5	23.5
		25	0	2113	2114	2116	2225	22.5	22.5
		12	6	2107	2109	2109	2109	22.5	22.5
	16QAM	1	24	2107	2109	2112	2225	22.5	22.5
		12	13	2106	2109	2112	2225	22.5	22.5
		25	0	2113	2114	2116	2225	22.5	22.5
		12	6	2107	2109	2109	2109	22.5	22.5
		1	24	2107	2109	2112	2225	22.5	22.5
250W	QPSK	12	6	2107	2108	2108	2108	20.5	20.5
		12	13	2106	2106	2106	2106	20.5	20.5
		25	0	1912	1930	1930	20.5	20.5	20.5

Receiver off_DS14_ENDC&Sim-Tx

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Channel	372000	376000	380000
				Frequency (MHz)	1860	1880	1900
					Max. Tune-up (dBm)		
20M	DFT-s-OFDM Pv2 BPSK	1	1	23.33	23.30	23.33	24.5
		1	53	23.24	23.33	23.24	24.5
		1	104	23.23	23.29	23.12	24.5
		50	0	23.36	23.35	23.34	24.5
		50	28	23.35	23.30	23.38	24.5
		50	56	23.38	23.33	23.32	24.5
	DFT-s-OFDM QPSK	100	0	23.37	23.31	23.37	24.5
		1	1	23.38	23.39	23.37	24.5
		1	53	23.26	23.37	23.36	24.5
		1	104	23.25	23.29	23.28	24.5
		50	0	22.82	22.92	22.84	23.5
		50	28	23.33	23.37	23.36	24.5
	DFT-s-OFDM 16QAM	50	56	22.91	22.92	22.84	23.5
		100	0	22.93	22.95	22.90	23.5
		1	1	21.94	22.86	22.97	23.5
		1	1	21.39	21.57	20.95	22.5
		1	1	19.38	18.84	18.82	20.5
		1	1	19.38	18.84	18.82	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	23.34	23.32	23.36	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.32	23.35	23.34	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	23.31	23.33	23.35	24.5

n2 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Channel	372000	376000	380000
				Frequency (MHz)	1860	1880	1900
					Max. Tune-up (dBm)		
20M	DFT-s-OFDM Pv2 BPSK	1	1	23.42	23.48	23.30	24.5
		1	53	23.41	23.47	23.41	24.5
		1	104	23.37	23.41	23.43	24.5
		50	0	22.87	22.94	22.81	24.5
		50	28	23.46	23.37	23.27	24.5
		50	56	22.92	22.81	22.82	24.5
	DFT-s-OFDM QPSK	100	0	22.84	22.94	22.73	24.5
		1	1	23.46	23.49	23.42	24.5
		1	53	23.44	23.45	23.39	24.5
		1	104	23.32	23.33	23.30	24.5
		50	0	22.37	22.36	22.28	23.5
		50	28	23.40	23.42	23.39	24.5
	DFT-s-OFDM 16QAM	50	56	22.31	22.29	22.37	23.5
		100	0	22.33	22.39	22.34	23.5
		1	1	22.54	22.63	22.45	23.5
		1	1	21.08	21.12	20.98	22.5
		1	1	19.09	19.13	19.01	20.5
		1	1	19.09	19.13	19.01	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	23.41	23.43	23.40	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.40	23.43	23.37	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	23.42	23.44	23.39	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	23.26	23.27	23.25	24.5
		1	53	23.23	23.35	23.29	24.5
		1	104	23.28	23.29	23.21	24.5
		50	0	23.35	23.40	23.36	24.5
		50	28	23.30	23.44	23.37	24.5
		50	56	23.37	23.42	23.45	24.5
	DFT-s-OFDM QPSK	100	0	23.32	23.47	23.39	24.5
		1	1	23.42	23.48	23.38	24.5
		1	53	23.32	23.33	23.32	24.5
		1	104	23.41	23.44	23.36	24.5
		50	0	23.37	23.45	23.33	24.5
		50	28	23.41	23.47	23.39	24.5
		50	56	23.32	23.39	23.38	24.5
		100	0	23.42	23.46	23.43	24.5
	DFT-s-OFDM 16QAM	1	1	23.46	23.44	23.45	24.5
	DFT-s-OFDM 64QAM	1	1	21.38	21.49	21.50	22.5
	DFT-s-OFDM 256QAM	1	1	19.32	19.41	19.34	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	23.40	23.32	23.39	24.5
BW	MCS Index	Channel		166800	167300	23.38	Max. Tune-up
		Frequency (MHz)		829	836.5	23.38	
10M	DFT-s-OFDM QPSK	1	1	23.41	23.34	23.35	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	23.38	23.34	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	23.66	23.76	23.77	24.5
		1	108	23.69	23.58	23.71	24.5
		1	214	23.73	23.62	23.77	24.5
		108	0	23.01	23.04	22.95	24
		108	54	23.61	23.56	23.73	24.5
		108	108	22.95	22.93	22.73	24
	DFT-s-OFDM QPSK	216	0	22.92	22.97	22.88	24
		1	1	23.68	23.79	23.76	24.5
		1	108	23.58	23.62	23.73	24.5
		1	214	23.62	23.72	23.61	24.5
		108	0	22.97	22.94	23.02	24
		108	54	23.48	23.67	23.59	24.5
		108	108	22.91	22.97	22.82	24
		216	0	22.88	23.02	22.86	24
	DFT-s-OFDM 16QAM	1	1	23.09	23.18	23.07	24
	DFT-s-OFDM 64QAM	1	1	20.95	21.03	20.99	22
	DFT-s-OFDM 256QAM	1	1	18.72	18.71	18.70	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.65	23.73	23.53	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	23.64	23.69	23.55	24.5
BW	MCS Index	Channel		23.65	349000	354000	Max. Tune-up
		Frequency (MHz)		23.65	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.62	23.59	23.56	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	23.61	23.63	23.54	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.66	23.66	23.50	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	23.64	23.71	23.52	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	23.71	23.64	23.62	24.5
		1	108	23.66	23.70	23.67	24.5
		1	214	23.70	23.61	23.70	24.5
		108	0	23.22	23.29	23.23	24
		108	54	23.64	23.69	23.68	24.5
		108	108	23.24	23.21	23.17	24
	DFT-s-OFDM QPSK	216	0	23.30	23.23	23.21	24
		1	1	23.74	23.83	23.75	24.5
		1	108	23.71	23.72	23.68	24.5
		1	214	23.70	23.65	23.69	24.5
		108	0	22.79	22.82	22.68	24
		108	54	23.68	23.70	23.67	24.5
		108	108	22.66	22.65	22.67	24
		216	0	22.76	22.78	22.72	24
	DFT-s-OFDM 16QAM	1	1	22.86	22.87	22.80	24
	DFT-s-OFDM 64QAM	1	1	21.40	21.40	21.38	22
	DFT-s-OFDM 256QAM	1	1	19.26	19.25	19.20	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.66	23.73	23.74	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	23.67	23.70	23.71	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.69	23.69	23.70	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	23.63	23.72	23.72	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.62	23.71	23.68	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	23.65	23.70	23.65	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		22.91		24.5
		1	137		22.66		24.5
		1	271		22.73		24.5
		135	0		22.84		24.5
		135	69		22.81		24.5
		135	138		22.74		24.5
	DFT-s-OFDM QPSK	270	0		22.79		24.5
		1	1		23.16		24.5
		1	137		22.86		24.5
		1	271		22.89		24.5
		135	0		23.04		24.5
		135	69		23.06		24.5
		135	138		22.86		24.5
		270	0		22.96		24.5
	DFT-s-OFDM 16QAM	1	1		23.15		24.5
	DFT-s-OFDM 64QAM	1	1		22.79		23.5
	DFT-s-OFDM 256QAM	1	1		21.19		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	23.07	23.09	22.67	24.5
BW	MCS Index	Channel		632668	633334	22.92	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	22.92	
80M	DFT-s-OFDM QPSK	1	1	23.05	23.01	22.92	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	22.78	22.91	22.94	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	22.95	22.87	22.95	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	22.94	22.87	22.85	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	22.81	22.93	22.75	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	22.72	22.89	22.82	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	23.09	22.85	22.91	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	23.09	22.95	23.04	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	23.09	23.12	23.09	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	23.02	22.90	22.99	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	22.52	22.66	22.65	24.5
		1	137	22.56	22.75	22.96	24.5
		1	271	22.64	22.87	22.54	24.5
		135	0	22.65	22.70	22.85	24.5
		135	69	22.55	22.77	23.03	24.5
		135	138	22.62	22.75	23.09	24.5
	DFT-s-OFDM QPSK	270	0	22.58	22.77	23.04	24.5
		1	1	22.83	22.92	23.14	24.5
		1	137	22.65	22.91	23.01	24.5
		1	271	22.82	22.90	23.12	24.5
		135	0	22.81	22.74	22.95	24.5
		135	69	22.85	22.95	23.08	24.5
		135	138	22.77	22.93	23.07	24.5
		270	0	22.79	22.84	22.98	24.5
	DFT-s-OFDM 16QAM	1	1	22.58	22.60	22.94	24.5
	DFT-s-OFDM 64QAM	1	1	22.37	22.30	22.67	23.5
	DFT-s-OFDM 256QAM	1	1	20.66	20.65	20.98	22
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
90M	DFT-s-OFDM QPSK	1	1	22.77	22.66	22.90	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	22.78	22.70	23.01	24.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	22.76	22.69	23.06	24.5
BW	MCS Index	Channel		648668	656000	22.98	Max. Tune-up
		Frequency (MHz)		3730.02	3840	22.98	
60M	DFT-s-OFDM QPSK	1	1	22.73	22.76	22.97	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	22.73	22.65	22.98	24.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	22.78	22.56	22.92	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	22.79	22.54	22.79	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	22.80	22.88	22.90	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	22.81	22.91	22.87	24.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	22.76	22.89	22.85	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	22.78	22.72	22.89	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		25.76		27.5
		1	137		25.66		27.5
		1	271		25.68		27.5
		135	0		25.33		27
		135	69		25.77		27.5
		135	138		25.21		27
	DFT-s-OFDM QPSK	270	0		25.27		27
		1	1		25.93		27.5
		1	137		25.71		27.5
		1	271		25.69		27.5
		135	0		24.82		26.5
		135	69		25.76		27.5
		135	138		24.70		26.5
		270	0		24.72		26.5
	DFT-s-OFDM 16QAM	1	1		24.92		26.5
	DFT-s-OFDM 64QAM	1	1		23.19		24
	DFT-s-OFDM 256QAM	1	1		20.96		22
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
90M	DFT-s-OFDM QPSK	1	1	25.72	25.85	25.77	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	25.71	25.77	25.68	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	25.70	25.84	25.87	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	25.75	25.62	25.75	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	25.74	25.88	25.72	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	25.76	25.89	25.70	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	25.81	25.84	25.82	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	25.89	25.75	25.67	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	25.56	25.69	25.66	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	25.67	25.87	25.70	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	25.89	25.83	25.72	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 Pw2 BPSK	1	1	25.77	25.69	25.78	27.5
		1	137	25.65	25.75	25.96	27.5
		1	271	25.53	25.89	26.05	27.5
		135	0	25.12	25.14	25.38	27
		135	69	25.62	25.75	25.99	27.5
		135	138	25.09	25.33	25.57	27
	DFT-s-OFDM QPSK	270	0	25.06	25.23	25.51	27
		1	1	25.87	25.89	26.12	27.5
		1	137	25.75	25.76	25.98	27.5
		1	271	25.54	25.85	25.96	27.5
		135	0	24.65	24.73	24.96	26.5
		135	69	25.54	25.77	25.97	27.5
		135	138	24.53	24.81	25.04	26.5
	DFT-s-OFDM 16QAM	270	0	24.55	24.72	24.98	26.5
		1	1	24.64	24.86	24.88	26.5
		1	1	22.67	22.76	22.89	24
	DFT-s-OFDM 64QAM	1	1	20.48	20.60	20.82	22
		1	1	20.48	20.60	20.82	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	25.82	25.58	25.94	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	25.84	25.59	25.96	27.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	25.86	25.63	25.95	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	25.77	25.83	25.87	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	25.67	25.69	25.88	27.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	25.80	25.91	25.95	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	25.76	25.88	25.94	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	25.87	25.95	25.91	27.5
BW	MCS Index	Channel		647168	656000	25.97	Max. Tune-up
		Frequency (MHz)		3707.52	3840	25.97	
15M	DFT-s-OFDM QPSK	1	1	25.87	25.95	25.94	27.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	25.87	25.90	25.95	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	25.83	25.89	25.76	27.5

Receiver off_DS4_ENDCA5im-Tx

CA_B8 (Ant2)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+upr Power
20450	829	20549	836.9	QPSK	1	49	1	0	1	24.76	25.5
				16QAM	1	49	1	0	1	23.82	24.5
				64QAM	1	49	1	0	1	23.61	23.5
				256QAM	1	49	1	0	1	19.93	20.5
				QPSK	1	49	1	0	1	24.73	25.5
20478	831.6	20575	841.5	16QAM	1	49	1	0	1	23.93	24.5
				64QAM	1	49	1	0	1	23.44	23.5
				256QAM	1	49	1	0	1	19.82	20.5
				QPSK	1	49	1	0	1	24.62	25.5
				16QAM	1	49	1	0	1	23.91	24.5
20501	834.1	20600	844	64QAM	1	49	1	0	1	22.25	23.5
				256QAM	1	49	1	0	1	19.78	20.5
				QPSK	1	49	1	0	1	24.62	25.5
				16QAM	1	49	1	0	1	23.81	24.5
				64QAM	1	49	1	0	1	23.44	23.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+upr Power
20450	829	20522	836.2	QPSK	1	49	1	0	1	24.58	25.5
				16QAM	1	49	1	0	1	23.81	24.5
				64QAM	1	49	1	0	1	22.48	23.5
				256QAM	1	49	1	0	1	19.49	20.5
				QPSK	1	49	1	0	1	24.53	25.5
20500	834	20572	841.2	16QAM	1	49	1	0	1	23.83	24.5
				64QAM	1	49	1	0	1	22.17	23.5
				256QAM	1	49	1	0	1	19.63	20.5
				QPSK	1	49	1	0	1	24.46	25.5
				16QAM	1	49	1	0	1	23.70	24.5
20550	839	20622	846.2	64QAM	1	49	1	0	1	22.13	23.5
				256QAM	1	49	1	0	1	19.54	20.5
				QPSK	1	49	1	0	1	24.53	25.5
				16QAM	1	49	1	0	1	23.70	24.5
				64QAM	1	49	1	0	1	22.13	23.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+upr Power
20428	826.8	20500	834	QPSK	1	24	1	0	1	24.54	25.5
				16QAM	1	24	1	0	1	23.82	24.5
				64QAM	1	24	1	0	1	22.55	23.5
				256QAM	1	24	1	0	1	19.80	20.5
				QPSK	1	24	1	0	1	24.55	25.5
20478	831.8	20550	839	16QAM	1	24	1	0	1	23.76	24.5
				64QAM	1	24	1	0	1	22.36	23.5
				256QAM	1	24	1	0	1	19.61	20.5
				QPSK	1	24	1	0	1	24.49	25.5
				16QAM	1	24	1	0	1	23.70	24.5
20528	836.8	20600	844	64QAM	1	24	1	0	1	22.10	23.5
				256QAM	1	24	1	0	1	19.53	20.5
				QPSK	1	24	1	0	1	24.50	25.5
				16QAM	1	24	1	0	1	23.70	24.5
				64QAM	1	24	1	0	1	22.10	23.5
Combination 5MHz+3MHz (25RB+15RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+upr Power
20425	826.5	20464	830.4	QPSK	1	24	1	0	1	24.48	25.5
				16QAM	1	24	1	0	1	23.67	24.5
				64QAM	1	24	1	0	1	22.57	23.5
				256QAM	1	24	1	0	1	19.42	20.5
				QPSK	1	24	1	0	1	24.41	25.5
20510	835	20549	838.9	16QAM	1	24	1	0	1	23.78	24.5
				64QAM	1	24	1	0	1	22.25	23.5
				256QAM	1	24	1	0	1	19.65	20.5
				QPSK	1	24	1	0	1	24.33	25.5
				16QAM	1	24	1	0	1	23.76	24.5
20595	843.5	20634	847.4	64QAM	1	24	1	0	1	21.94	23.5
				256QAM	1	24	1	0	1	19.46	20.5
				QPSK	1	24	1	0	1	24.45	25.5
				16QAM	1	24	1	0	1	23.66	24.5
				64QAM	1	24	1	0	1	22.04	23.5
Combination 3MHz+5MHz (15RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx+upr Power
20416	825.6	20455	829.5	QPSK	1	14	1	0	1	24.37	25.5
				16QAM	1	14	1	0	1	23.67	24.5
				64QAM	1	14	1	0	1	22.54	23.5
				256QAM	1	14	1	0	1	19.45	20.5
				QPSK	1	14	1	0	1	24.35	25.5
20501	834.1	20540	838	16QAM	1	14	1	0	1	23.65	24.5
				64QAM	1	14	1	0	1	22.28	23.5
				256QAM	1	14	1	0	1	19.57	20.5
				QPSK	1	14	1	0	1	24.28	25.5
				16QAM	1	14	1	0	1	23.66	24.5
20586	842.6	20625	846.5	64QAM	1	14	1	0	1	22.10	23.5
				256QAM	1	14	1	0	1	19.46	20.5
				QPSK	1	14	1	0	1	24.28	25.5
				16QAM	1	14	1	0	1	23.66	24.5
				64QAM	1	14	1	0	1	22.10	23.5

CA_B6B (Ant1)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132022	1715	132121	1724.9	QPSK	1	49	1	0	1	24.13	24.5
				16QAM	1	49	1	0	1	23.34	23.5
				64QAM	1	49	1	0	1	21.69	22.5
				256QAM	1	49	1	0	1	19.17	19.5
				QPSK	1	49	1	0	1	23.91	24.5
132373	1750.1	132472	1760	16QAM	1	49	1	0	1	23.23	23.5
				64QAM	1	49	1	0	1	21.78	22.5
				256QAM	1	49	1	0	1	19.04	19.5
				QPSK	1	49	1	0	1	23.83	24.5
				16QAM	1	49	1	0	1	23.14	23.5
132523	1765.1	132622	1775	64QAM	1	49	1	0	1	21.24	23.5
				256QAM	1	49	1	0	1	21.68	22.5
				QPSK	1	49	1	0	1	19.07	19.5
				16QAM	1	49	1	0	1	23.89	24.5
				64QAM	1	49	1	0	1	21.67	22.5
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132047	1717.5	132140	1726.8	QPSK	1	74	1	0	1	23.97	24.5
				16QAM	1	74	1	0	1	23.27	23.5
				64QAM	1	74	1	0	1	21.57	22.5
				256QAM	1	74	1	0	1	19.07	19.5
				QPSK	1	74	1	0	1	23.89	24.5
132398	1752.6	132491	1761.9	16QAM	1	74	1	0	1	23.22	23.5
				64QAM	1	74	1	0	1	21.66	22.5
				256QAM	1	74	1	0	1	19.03	19.5
				QPSK	1	74	1	0	1	23.80	24.5
				16QAM	1	74	1	0	1	23.09	23.5
132549	1767.7	132642	1777	64QAM	1	74	1	0	1	21.65	22.5
				256QAM	1	74	1	0	1	19.03	19.5
				QPSK	1	74	1	0	1	23.80	24.5
				16QAM	1	74	1	0	1	23.09	23.5
				64QAM	1	74	1	0	1	21.65	22.5
Combination 5MHz+15MHz (25RB+75RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132002	1713	132095	1722.3	QPSK	1	24	1	0	1	24.01	24.5
				16QAM	1	24	1	0	1	23.21	23.5
				64QAM	1	24	1	0	1	21.59	22.5
				256QAM	1	24	1	0	1	19.02	19.5
				QPSK	1	24	1	0	1	23.82	24.5
132353	1748.1	132446	1757.4	16QAM	1	24	1	0	1	23.15	23.5
				64QAM	1	24	1	0	1	21.77	22.5
				256QAM	1	24	1	0	1	18.92	19.5
				QPSK	1	24	1	0	1	23.71	24.5
				16QAM	1	24	1	0	1	23.13	23.5
132504	1763.2	132597	1772.5	64QAM	1	24	1	0	1	21.60	22.5
				256QAM	1	24	1	0	1	18.99	19.5
				QPSK	1	24	1	0	1	23.82	24.5
				16QAM	1	24	1	0	1	23.14	23.5
				64QAM	1	24	1	0	1	21.60	22.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132022	1715	132094	1722.2	QPSK	1	49	1	0	1	23.84	24.5
				16QAM	1	49	1	0	1	23.17	23.5
				64QAM	1	49	1	0	1	21.62	22.5
				256QAM	1	49	1	0	1	19.00	19.5
				QPSK	1	49	1	0	1	23.86	24.5
132397	1752.5	132469	1759.7	16QAM	1	49	1	0	1	23.05	23.5
				64QAM	1	49	1	0	1	21.70	22.5
				256QAM	1	49	1	0	1	18.86	19.5
				QPSK	1	49	1	0	1	23.58	24.5
				16QAM	1	49	1	0	1	22.99	23.5
132572	1770	132644	1777.2	64QAM	1	49	1	0	1	21.63	22.5
				256QAM	1	49	1	0	1	18.91	19.5
				QPSK	1	49	1	0	1	23.87	24.5
				16QAM	1	49	1	0	1	23.11	23.5
				64QAM	1	49	1	0	1	21.54	22.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132000	1712.8	132072	1720	QPSK	1	24	1	0	1	23.85	24.5
				16QAM	1	24	1	0	1	23.11	23.5
				64QAM	1	24	1	0	1	21.54	22.5
				256QAM	1	24	1	0	1	19.01	19.5
				QPSK	1	24	1	0	1	23.92	24.5
132375	1750.3	132447	1757.5	16QAM	1	24	1	0	1	23.14	23.5
				64QAM	1	24	1	0	1	21.58	22.5
				256QAM	1	24	1	0	1	18.85	19.5
				QPSK	1	24	1	0	1	23.63	24.5
				16QAM	1	24	1	0	1	23.00	23.5
132550	1767.8	132622	1775	64QAM	1	24	1	0	1	21.50	22.5
				256QAM	1	24	1	0	1	18.86	19.5
				QPSK	1	24	1	0	1	23.90	24.5
				16QAM	1	24	1	0	1	23.13	23.5
				64QAM	1	24	1	0	1	21.53	22.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
131997	1712.5	132045	1713.7	QPSK	1	24	1	0	1	23.89	24.5
				16QAM	1	24	1	0	1	23.19	23.5
				64QAM	1	24	1	0	1	21.55	22.5
				256QAM	1	24	1	0	1	18.92	19.5
				QPSK	1	24	1	0	1	23.83	24.5
132398	1777.5	132446	1782.3	16QAM	1	24	1	0	1	23.12	23.5
				64QAM	1	24	1	0	1	21.66	22.5
				256QAM	1	24	1	0	1	18.77	19.5
				QPSK	1	24	1	0	1	23.55	24.5
				16QAM	1	24	1	0	1	22.98	23.5
132599	1772.7	132647	1777.5	64QAM	1	24	1	0	1	21.53	22.5
				256QAM	1	24	1	0	1	18.88	19.5
				QPSK	1	24	1	0	1	23.93	24.5
				16QAM	1	24	1	0	1	23.16	23.5
				64QAM	1	24	1	0	1	21.53	22.5

CA 66C (Ant1)										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132072	1720	132270	1739.8	QPSK	1	99	1	0	23.91	24.5
				16QAM	1	99	1	0	23.26	23.5
				64QAM	1	99	1	0	21.31	22.5
				256QAM	1	99	1	0	18.99	19.5
				QPSK	1	99	1	0	24.00	24.5
132323	1745.1	132521	1764.9	16QAM	1	99	1	0	23.07	23.5
				64QAM	1	99	1	0	21.71	22.5
				256QAM	1	99	1	0	18.99	19.5
				QPSK	1	99	1	0	23.86	24.5
				16QAM	1	99	1	0	23.05	23.5
132374	1750.2	132572	1770	64QAM	1	99	1	0	21.17	22.5
				256QAM	1	99	1	0	18.94	19.5
				QPSK	1	99	1	0	23.98	24.5
				16QAM	1	99	1	0	23.85	24.5
				QPSK	1	99	1	0	23.98	24.5
Combination 20MHz+15MHz (100RB+75RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132072	1720	132243	1737.1	QPSK	1	99	1	0	23.79	24.5
				16QAM	1	99	1	0	23.14	23.5
				64QAM	1	99	1	0	21.19	22.5
				256QAM	1	99	1	0	18.96	19.5
				QPSK	1	99	1	0	23.77	24.5
132348	1747.6	132519	1764.7	16QAM	1	99	1	0	22.98	23.5
				64QAM	1	99	1	0	21.65	22.5
				256QAM	1	99	1	0	18.96	19.5
				QPSK	1	99	1	0	23.85	24.5
				16QAM	1	99	1	0	22.96	23.5
132423	1755.1	132594	1772.2	16QAM	1	99	1	0	22.96	23.5
				64QAM	1	99	1	0	21.10	22.5
				256QAM	1	99	1	0	18.86	19.5
				QPSK	1	99	1	0	23.81	24.5
				16QAM	1	99	1	0	22.95	23.5
Combination 15MHz+20MHz (75RB+100RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132050	1717.8	132221	1734.9	QPSK	1	74	1	0	23.83	24.5
				16QAM	1	74	1	0	23.17	23.5
				64QAM	1	74	1	0	21.25	22.5
				256QAM	1	74	1	0	18.89	19.5
				QPSK	1	74	1	0	23.83	24.5
132325	1745.3	132496	1762.4	16QAM	1	74	1	0	23.02	23.5
				64QAM	1	74	1	0	21.64	22.5
				256QAM	1	74	1	0	18.90	19.5
				QPSK	1	74	1	0	23.81	24.5
				16QAM	1	74	1	0	22.95	23.5
132401	1752.9	132572	1770	64QAM	1	74	1	0	21.16	22.5
				256QAM	1	74	1	0	18.79	19.5
				QPSK	1	74	1	0	23.81	24.5
				16QAM	1	74	1	0	22.95	23.5
				QPSK	1	74	1	0	23.81	24.5
Combination 20MHz+10MHz (100RB+50RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132072	1720	132216	1734.4	QPSK	1	99	1	0	23.85	24.5
				16QAM	1	99	1	0	23.30	23.5
				64QAM	1	99	1	0	21.63	22.5
				256QAM	1	99	1	0	19.10	19.5
				QPSK	1	99	1	0	23.79	24.5
132373	1750.1	132517	1764.5	16QAM	1	99	1	0	23.24	23.5
				64QAM	1	99	1	0	21.69	22.5
				256QAM	1	99	1	0	19.04	19.5
				QPSK	1	99	1	0	23.74	24.5
				16QAM	1	99	1	0	23.15	23.5
132473	1760.1	132617	1774.5	64QAM	1	99	1	0	21.58	22.5
				256QAM	1	99	1	0	19.03	19.5
				QPSK	1	99	1	0	23.81	24.5
				16QAM	1	99	1	0	23.15	23.5
				QPSK	1	99	1	0	23.81	24.5
Combination 10MHz+20MHz (50RB+100RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132027	1715.5	132171	1729.9	QPSK	1	49	1	0	23.86	24.5
				16QAM	1	49	1	0	23.19	23.5
				64QAM	1	49	1	0	21.55	22.5
				256QAM	1	49	1	0	19.04	19.5
				QPSK	1	49	1	0	23.66	24.5
132328	1745.6	132472	1760	16QAM	1	49	1	0	23.09	23.5
				64QAM	1	49	1	0	21.62	22.5
				256QAM	1	49	1	0	18.91	19.5
				QPSK	1	49	1	0	23.60	24.5
				16QAM	1	49	1	0	22.90	23.5
132428	1756.6	132572	1770	64QAM	1	49	1	0	21.54	22.5
				256QAM	1	49	1	0	18.91	19.5
				QPSK	1	49	1	0	23.81	24.5
				16QAM	1	49	1	0	22.90	23.5
				QPSK	1	49	1	0	23.81	24.5
Combination 15MHz+15MHz (75RB+75RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132047	1717.5	132197	1732.5	QPSK	1	74	1	0	23.92	24.5
				16QAM	1	74	1	0	23.29	23.5
				64QAM	1	74	1	0	21.52	22.5
				256QAM	1	74	1	0	18.15	18.5
				QPSK	1	74	1	0	23.85	24.5
132347	1747.5	132497	1762.5	16QAM	1	74	1	0	23.05	23.5
				64QAM	1	74	1	0	21.56	22.5
				256QAM	1	74	1	0	18.99	19.5
				QPSK	1	74	1	0	23.65	24.5
				16QAM	1	74	1	0	22.96	23.5
132447	1757.5	132597	1772.5	64QAM	1	74	1	0	21.61	22.5
				256QAM	1	74	1	0	18.91	19.5
				QPSK	1	74	1	0	23.81	24.5
				16QAM	1	74	1	0	22.95	23.5
				QPSK	1	74	1	0	23.81	24.5
Combination 15MHz+10MHz (75RB+50RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132047	1717.5	132167	1729.5	QPSK	1	74	1	0	23.85	24.5
				16QAM	1	74	1	0	23.18	23.5
				64QAM	1	74	1	0	21.42	22.5
				256QAM	1	74	1	0	18.92	19.5
				QPSK	1	74	1	0	23.61	24.5
132373	1750.1	132493	1762.1	16QAM	1	74	1	0	23.00	23.5
				64QAM	1	74	1	0	21.57	22.5
				256QAM	1	74	1	0	18.96	19.5
				QPSK	1	74	1	0	23.58	24.5
				16QAM	1	74	1	0	23.00	23.5
132499	1762.7	132619	1774.7	64QAM	1	74	1	0	21.53	22.5
				256QAM	1	74	1	0	18.86	19.5
				QPSK	1	74	1	0	23.81	24.5
				16QAM	1	74	1	0	22.95	23.5
				QPSK	1	74	1	0	23.81	24.5
Combination 10MHz+15MHz (50RB+75RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132025	1715.3	132145	1727.3	QPSK	1	49	1	0	23.96	24.5
				16QAM	1	49	1	0	23.15	23.5
				64QAM	1	49	1	0	21.37	22.5
				256QAM	1	49	1	0	18.93	19.5
				QPSK	1	49	1	0	23.67	24.5
132351	1747.9	132471	1759.9	16QAM	1	49	1	0	22.97	23.5
				64QAM	1	49	1	0	21.43	22.5
				256QAM	1	49	1	0	18.94	19.5
				QPSK	1	49	1	0	23.55	24.5
				16QAM	1	49	1	0	22.92	23.5
132477	1760.5	132597	1772.5	64QAM	1	49	1	0	21.49	22.5
				256QAM	1	49	1	0	18.99	19.5
				QPSK	1	49	1	0	23.81	24.5
				16QAM	1	49	1	0	22.92	23.5
				QPSK	1	49	1	0	23.81	24.5
Combination 20MHz+5MHz (100RB+25RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132072	1720	132189	1731.7	QPSK	1	99	1	0	23.95	24.5
				16QAM	1	99	1	0	23.28	23.5
				64QAM	1	99	1	0	21.41	22.5
				256QAM	1	99	1	0	18.93	19.5
				QPSK	1	99	1	0	23.93	24.5
132397	1752.5	132514	1764.2	16QAM	1	99	1	0	22.96	23.5
				64QAM	1	99	1	0	21.50	22.5
				256QAM	1	99	1	0	18.91	19.5
				QPSK	1	99	1	0	23.49	24.5
				16QAM	1	99	1	0	22.91	23.5
132522	1765	132639	1778.7	64QAM	1	99	1	0	21.48	22.5
				256QAM	1	99	1	0	18.86	19.5
				QPSK	1	99	1	0	23.87	24.5
				16QAM	1	99	1	0	23.18	23.5
				QPSK	1	99	1	0	23.85	24.5
Combination 5MHz+20MHz (25RB+100RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132005	1713.3	132122	1725	QPSK	1	24	1	0	23.87	24.5
				16QAM	1	24	1	0	23.18	23.5
				64QAM	1	24	1	0	21.38	22.5
				256QAM	1	24	1	0	18.99	19.5
				QPSK	1	24	1	0	23.99	24.5
132330	1745.8	132447	1757.5	16QAM	1	24	1	0	23.03	23.5
				64QAM	1	24	1	0	21.48	22.5
				256QAM	1	24	1	0	18.85	19.5
				QPSK	1	24	1	0	23.81	24.5
				16QAM	1	24	1	0	22.90	23.5
132455	1758.3	132572	1770	64QAM	1	24	1	0	21.44	22.5
				256QAM	1	24	1	0	18.89	19.5
				QPSK	1	24	1	0	23.87	24.5
				16QAM	1	24	1	0	23.18	23.5
				QPSK	1	24	1	0	23.85	24.5

Receiver on_DS_EBNC8inTx

LTE Band 2 (Ann1)									
BW	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Tx Power (dBm)	RB Size	RB Offset
		Channel	Frequency (MHz)	1920	1980	1980			
20M	QPSK	1	0	23.01	23.05	23.12	24.5	1	0
		1	50	23.02	23.01	23.11	24.5	1	50
		1	100	23.02	23.10	23.10	24.5	1	100
		50	0	22.45	22.48	22.41	23.5	50	0
		50	50	22.48	22.48	22.47	23.5	50	50
		100	0	22.41	22.42	22.40	23.5	100	0
		100	50	22.46	22.47	22.45	23.5	100	50
		1	50	22.74	22.75	22.61	23.5	1	50
		1	99	22.71	22.63	22.65	23.5	1	99
		50	25	21.43	21.43	21.42	22.5	50	25
20M	16QAM	1	0	21.84	21.92	21.95	22.5	1	0
		1	50	21.82	21.95	21.92	22.5	1	50
		1	99	21.48	21.71	21.69	22.5	1	99
		50	0	20.44	20.49	20.48	21.5	50	0
		50	50	20.47	20.54	20.51	21.5	50	50
		100	0	20.46	20.48	20.48	21.5	100	0
		100	50	20.51	20.52	20.51	21.5	100	50
		1	50	18.46	18.50	18.46	19.5	1	50
		1	99	18.58	18.44	18.47	19.5	1	99
		50	25	18.52	18.45	18.42	19.5	50	25
20M	E16QAM	1	0	18.52	18.45	18.43	19.5	1	0
		1	50	18.57	18.51	18.51	19.5	1	50
		50	25	18.54	18.46	18.43	19.5	50	25
		100	0	18.57	18.51	18.51	19.5	100	0
20M	QPSK	Channel	Frequency (MHz)	1987.5	1985	1985.5	Max. Tx Power (dBm)	Channel	Frequency (MHz)
		1	37	23.36	23.43	23.12	24.5	1	37
		1	74	23.32	23.19	23.31	24.5	1	74
		50	0	22.35	22.28	22.30	23.5	50	0
		50	50	22.28	22.26	22.17	23.5	50	50
		36	36	22.42	22.25	22.30	23.5	36	36
		72	0	22.34	22.23	22.43	23.5	72	0
		1	0	22.42	22.62	22.42	23.5	1	0
		1	24	22.67	22.65	22.41	23.5	1	24
		25	74	22.44	22.45	22.52	23.5	25	74
20M	16QAM	1	0	21.22	21.18	21.25	22.5	1	0
		1	50	21.41	21.39	21.33	22.5	1	50
		50	25	21.25	21.14	21.20	22.5	50	25
		75	0	21.32	21.21	21.30	22.5	75	0
		100	0	21.46	21.45	21.45	22.5	100	0
		1	37	21.45	21.51	21.52	22.5	1	37
		1	74	21.34	21.57	21.38	22.5	1	74
		50	0	20.25	20.20	20.28	21.5	50	0
		50	50	20.44	20.34	20.28	21.5	50	50
		36	36	20.40	20.35	20.23	21.5	36	36
20M	E16QAM	1	0	20.25	20.35	20.30	21.5	1	0
		1	50	18.36	18.58	18.52	19.5	1	50
		1	99	18.51	18.34	18.37	19.5	1	99
		1	74	18.52	18.35	18.41	19.5	1	74
		36	0	18.36	18.34	18.33	19.5	36	0
		36	50	18.46	18.41	18.40	19.5	36	50
		50	25	18.37	18.31	18.41	19.5	50	25
		75	0	18.46	18.38	18.47	19.5	75	0
20M	QPSK	Channel	Frequency (MHz)	1982.5	1980	1980.5	Max. Tx Power (dBm)	Channel	Frequency (MHz)
		1	0	23.38	23.42	23.21	24.5	1	0
		1	49	23.26	23.25	23.30	24.5	1	49
		25	0	22.32	22.28	22.28	23.5	25	0
		25	50	22.35	22.22	22.34	23.5	25	50
		80	0	22.32	22.31	22.28	23.5	80	0
		1	24	22.62	22.64	22.48	23.5	1	24
		1	49	22.49	22.35	22.47	23.5	1	49
		25	0	21.25	21.28	21.36	22.5	25	0
		25	12	21.29	21.18	21.19	22.5	25	12
20M	16QAM	1	0	21.30	21.35	21.38	22.5	1	0
		1	50	21.39	21.37	21.33	22.5	1	50
		50	25	21.37	21.44	21.44	22.5	50	25
		1	24	21.61	21.65	21.58	22.5	1	24
		1	49	21.57	21.57	21.52	22.5	1	49
		25	0	20.31	20.23	20.31	21.5	25	0
		25	50	20.35	20.36	20.24	21.5	25	50
		80	0	20.25	20.34	20.23	21.5	80	0
		1	24	18.32	18.45	18.55	19.5	1	24
		1	49	18.45	18.36	18.41	19.5	1	49
20M	E16QAM	1	0	18.32	18.35	18.30	19.5	1	0
		1	50	18.36	18.41	18.38	19.5	1	50
		1	74	18.39	18.41	18.38	19.5	1	74
		25	0	18.37	18.41	18.42	19.5	25	0
		25	50	18.50	18.35	18.49	19.5	25	50
20M	QPSK	Channel	Frequency (MHz)	1982.5	1980	1980.5	Max. Tx Power (dBm)	Channel	Frequency (MHz)
		1	0	23.38	23.42	23.21	24.5	1	0
		1	12	23.25	23.30	23.11	24.5	1	12
		1	24	23.35	23.22	23.27	24.5	1	24
		50	0	22.35	22.28	22.24	23.5	50	0
		12	6	22.34	22.17	22.21	23.5	12	6
		12	13	22.36	22.25	22.28	23.5	12	13
		25	0	22.33	22.25	22.37	23.5	25	0
		7	0	22.43	22.68	22.38	23.5	7	0
		1	24	22.46	22.35	22.49	23.5	1	24
20M	16QAM	1	0	21.32	21.33	21.35	22.5	1	0
		1	50	21.32	21.32	21.27	22.5	1	50
		12	13	21.27	21.31	21.32	22.5	12	13
		25	0	21.30	21.28	21.29	22.5	25	0
		1	24	21.48	21.35	21.31	22.5	1	24
		1	12	21.44	21.63	21.34	22.5	1	12
		1	24	21.27	21.65	21.39	22.5	1	24
		50	0	20.34	20.28	20.27	21.5	50	0
		12	6	20.36	20.28	20.23	21.5	12	6
		12	13	20.37	20.34	20.31	21.5	12	13
20M	E16QAM	1	0	18.32	18.35	18.37	19.5	1	0
		1	12	18.41	18.35	18.31	19.5	1	12
		1	24	18.44	18.41	18.38	19.5	1	24
		12	0	18.38	18.38	18.41	19.5	12	0
		12	6	18.45	18.34	18.34	19.5	12	6
		12	13	18.47	18.35	18.29	19.5	12	13
		25	0	18.34	18.45	18.46	19.5	25	0
		1	0	18.50	18.46	18.52	19.5	1	0
		1	14	18.39	18.65	18.51	19.5	1	14
		1	7	18.37	18.47	18.44	19.5	1	7
20M	QPSK	Channel	Frequency (MHz)	1987.5	1985	1985.5	Max. Tx Power (dBm)	Channel	Frequency (MHz)
		1	0	23.38	23.42	23.21	24.5	1	0
		1	14	23.26	23.15	23.22	24.5	1	14
		8	0	22.38	22.23	22.26	23.5	8	0
		8	1	22.44	22.15	22.25	23.5	8	1
		6	7	22.42	22.24	22.41	23.5	6	7
		15	0	22.38	22.25	22.32	23.5	15	0
		1	0	22.57	22.65	22.48	23.5	1	0
		1	7	22.69	22.67	22.54	23.5	1	7
		1	14	22.46	22.35	22.59	23.5	1	14
20M	16QAM	1	0	21.18	21.25	21.35	22.5	1	0
		8	3	21.35	21.25	21.23	22.5	8	3
		15	0	21.28	21.25	21.34	22.5	15	0
		1	0	21.44	21.42	21.40	22.5	1	0
		1	14	21.35	21.50	21.41	22.5	1	14
		8	0	20.25	20.27	20.20	21.5	8	0
		8	1	20.34	20.30	20.19	21.5	8	1
		6	7	20.33	20.31	20.30	21.5	6	7
		15	0	20.22	20.23	20.25	21.5	15	0
		1	0	18.39	18.65	18.51	19.5	1	0
20M	E16QAM	1	0	18.39	18.37	18.36	19.5	1	0
		1	14	18.40	18.34	18.40	19.5	1	14
		8	3	18.39	18.30	18.29	19.5	8	3
		12	0	18.47	18.41	18.41	19.5	12	0
		15	0	18.50	18.46	18.52	19.5	15	0
20M	QPSK	Channel	Frequency (MHz)	1987.5	1985	1985.5	Max. Tx Power (dBm)	Channel	Frequency (MHz)
		1	0	23.38	23.42	23.21	24.5	1	0
		1	2	23.37	23.35	23.12	24.5	1	2
		1	37	23.32	23.17	23.31	24.5	1	37
		3	0	23.00	23.09	23.08	24.5	3	0
20M	16QAM	1	0	21.88	21.92	21.92	22.5	1	0
		1	3	21.16	21.16	21.12	22.5	1	3
		1	0	22.25	22.29	22.43	23.5	1	0
		1	0	22.37	22.68	22.34	23.5	1	0
		2	0	22.61	22.62	22.52	23.5	2	0
20M	E16QAM	1	0	20.44	20.44	20.51	21.5	1	0
		1	0	22.09	22.04	22.17	23.5	1	0
		1	0	22.10	22.10	22.10	23.5	1	0
		3	5	22.17	22.26	22.36	23.5	3	5
		1	0	21.39	21.35	21.52	22.5	1	0
20M	16QAM	1	2	21.43	21.63	21.24	22.5	1	2
		1	3	21.16	21.46	21.48	22.5	1	3
		1	0	21.09	21.15	21.08	22.5	1	0
		1	0	21.15	21.05	21.12	22.5	1	0
		3	0	21.14	21.03	21.12	22.5	3	0
20M	QPSK	1	0	20.22	20.38	20.32	21.5	1	0
		1	0	18.24	18.61	18.52	19.5	1	0
		1	0	18.24	18.34	18.40	19.5	1	0
		1	0	18.24	18.34	18.40	19.5	1	0
		1	0	18.24	18.34	18.40	19.5	1	0
20M	E16QAM	1	0	18.24	18.34	18.40	19.5	1	0
		1	0	18.24	18.34	18.40	19.5	1	0
		1	0	18.24	18.34	18.40	19.5	1	0
		1	0	18.24	18.34	18.40	19.5	1	0
		1	0	18.24	18.34	18.40	19.5	1	0
20M	QPSK	1	0	18.24	18.34	18.40	19.5	1	0
		1	0	18.24	18.34	18.40	19.5	1	0
		1	0	18.24	18.34	18.40	19.5	1	0
		1	0	18.24	18.34	18.40	19.5	1	0
		1	0	18.24	18.34	18.40	19.5	1	0

LTE Band 4 (AnT)									
SR	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Turn-up (dBm)		
GPRS		Channel							
		Frequency (MHz)							
		1	0	17.11	17.14	17.20	18.5		
		1	50	17.04	17.08	17.08	18.5		
		1	50	17.09	16.98	17.03	17.5		
		50	0	16.09	16.15	16.17	17.5		
		50	25	16.00	16.06	16.03	17.5		
		50	50	16.02	16.12	16.07	17.5		
		100	0	16.06	16.06	16.07	17.5		
		1	16.01	16.02	16.06	17.5			
HSPA		1	50	15.87	15.92	15.78	17.5		
		1	50	15.22	15.34	15.30	17.5		
		50	0	14.01	13.96	14.10	15.5		
		50	25	14.00	14.00	14.08	15.5		
		50	50	14.10	14.09	14.10	15.5		
		100	0	13.99	13.96	14.01	15.5		
		1	0	13.84	13.98	13.97	13.5		
		1	50	12.12	12.08	12.03	13.5		
		1	50	12.03	12.11	12.07	13.5		
		50	0	11.05	11.00	11.04	13.5		
HSPA+		50	25	12.07	12.25	12.10	13.5		
		50	50	12.08	12.15	12.17	13.5		
		100	0	12.17	12.13	12.10	13.5		
		Channel							
		Frequency (MHz)							
		1	0	17.08	17.04	17.14	18.5		
		1	37	17.02	16.88	16.93	18.5		
		1	74	16.95	16.86	17.02	18.5		
		36	0	16.04	16.14	16.12	17.5		
		36	19	16.98	16.94	16.93	17.5		
HSPA		36	30	15.98	15.97	15.99	17.5		
		75	0	15.93	15.87	15.87	17.5		
		1	0	16.20	16.76	16.80	17.5		
		1	37	16.88	16.74	16.74	17.5		
		1	74	15.77	15.79	15.73	17.5		
		50	0	14.96	14.93	14.97	16.5		
		50	19	15.00	14.98	14.98	16.5		
		50	30	15.01	14.99	15.01	16.5		
		75	0	14.89	14.74	14.82	16.5		
		1	0	14.84	14.52	14.63	16.5		
HSPA+		1	37	15.11	15.20	15.07	16.5		
		1	74	15.22	15.06	15.24	16.5		
		50	0	11.85	11.93	11.97	13.5		
		36	19	12.00	12.22	12.01	13.5		
		Channel							
		Frequency (MHz)							
		1	0	17.08	17.04	17.14	18.5		
		1	37	17.02	16.87	16.93	18.5		
		1	74	16.95	16.86	17.02	18.5		
		36	0	16.04	16.14	16.12	17.5		
GPRS		36	19	16.98	16.94	16.93	17.5		
		50	0	15.98	15.94	15.99	17.5		
		50	25	15.88	15.84	15.86	17.5		
		50	50	15.88	15.82	15.90	17.5		
		1	0	16.08	16.04	16.18	17.5		
		1	24	15.85	15.69	15.53	17.5		
		1	49	15.64	15.66	15.70	17.5		
		25	0	14.81	14.86	14.85	16.5		
		25	12	14.85	14.80	14.81	16.5		
		50	0	14.84	14.81	14.71	16.5		
HSPA		1	0	14.69	15.21	14.91	16.5		
		1	24	14.99	15.05	15.02	16.5		
		1	49	15.10	15.15	15.15	16.5		
		25	0	13.81	13.85	13.95	15.5		
		25	12	14.00	14.01	13.96	15.5		
		25	25	14.03	13.89	13.95	15.5		
		50	0	13.89	13.81	13.92	15.5		
		1	13	11.79	11.73	11.83	13.5		
		1	24	11.87	11.89	11.86	13.5		
		1	49	11.94	11.91	11.95	13.5		
HSPA+		50	0	11.78	11.86	11.83	13.5		
		25	12	11.97	12.13	11.95	13.5		
		25	25	11.94	11.96	12.14	13.5		
		50	0	12.08	11.90	11.95	13.5		
		Channel							
		Frequency (MHz)							
		1	12	21.02	16.83	16.89	18.5		
		1	24	16.83	16.87	16.89	18.5		
		12	0	15.78	16.01	16.02	17.5		
		12	6	15.81	15.87	15.72	17.5		
12	13	15.82	15.71	15.75	17.5				
HSPA		25	0	15.78	15.78	15.82	17.5		
		1	0	16.03	16.70	16.70	17.5		
		1	24	16.04	15.91	15.91	17.5		
		1	24	15.81	15.68	15.69	17.5		
		13	0	14.72	14.76	14.77	16.5		
		12	13	14.72	14.80	14.76	16.5		
		25	0	15.09	14.78	15.01	16.5		
		25	0	14.76	14.66	14.67	16.5		
		1	0	14.68	15.04	14.86	16.5		
		1	12	14.86	15.16	14.92	16.5		
HSPA+		1	24	15.00	15.12	15.20	16.5		
		12	0	13.76	13.86	13.80	15.5		
		12	6	13.85	14.01	13.92	15.5		
		25	13	13.95	13.86	13.95	15.5		
		50	0	13.85	13.71	13.87	15.5		
		1	0	11.66	11.74	11.81	13.5		
		1	12	11.86	11.74	11.73	13.5		
		1	24	11.88	11.79	11.88	13.5		
		12	0	11.77	11.84	11.75	13.5		
		12	13	11.82	12.03	11.80	13.5		
HSPA+		12	13	11.79	11.89	12.00	13.5		
		25	0	11.95	11.86	11.86	13.5		
		Channel							
		Frequency (MHz)							
		1	0	16.82	16.84	16.73	18.5		
		1	14	16.76	16.62	16.62	18.5		
		8	0	15.83	16.05	15.92	17.5		
		8	0	15.80	15.75	15.85	17.5		
		8	7	15.79	15.84	15.76	17.5		
		15	0	15.82	15.70	15.81	17.5		
HSPA		15	0	15.82	15.65	15.65	17.5		
		1	0	15.69	15.46	15.69	17.5		
		1	14	15.56	15.49	15.54	17.5		
		1	7	15.47	15.46	15.42	16.5		
		3	0	14.61	14.71	14.68	16.5		
		8	7	14.97	14.60	14.97	16.5		
		8	0	14.66	14.66	14.65	16.5		
		1	0	14.61	14.99	14.74	16.5		
		1	7	14.61	15.01	14.84	16.5		
		14	0	14.63	15.11	14.84	16.5		
HSPA+		8	0	13.64	13.65	13.68	15.5		
		8	3	13.61	13.66	13.85	15.5		
		1	0	13.65	13.73	13.84	15.5		
		15	0	13.46	13.65	13.75	15.5		
		1	0	11.68	11.72	11.70	13.5		
		1	7	11.65	11.68	11.67	13.5		
		1	14	11.62	11.67	11.79	13.5		
		1	13	11.71	11.78	11.74	13.5		
		8	7	11.71	11.88	11.89	13.5		
		8	7	11.67	11.85	11.97	13.5		
HSPA+		8	0	11.96	11.73	11.77	13.5		
		Channel							
		Frequency (MHz)							
		1	0	17.03	17.13	17.21	18.5		
		1	2	17.00	17.00	17.00	18.5		
		1	2	17.12	17.03	17.14	18.5		
		8	0	16.87	16.97	16.93	18.5		
		1	0	16.81	16.85	16.82	18.5		
		3	0	16.34	16.31	16.48	18.5		
		8	0	16.04	15.99	16.03	17.5		
HSPA		8	0	15.86	15.82	15.89	17.5		
		1	2	15.96	15.90	15.98	17.5		
		3	1	15.84	15.87	15.84	17.5		
		3	1	15.86	15.79	15.84	17.5		
		3	0	15.37	15.86	15.64	17.5		
		50	0	14.99	14.99	14.99	16.5		
		1	0	14.97	15.34	15.25	16.5		
		2	0	15.23	15.30	15.22	16.5		
		3	0	15.17	15.31	15.20	16.5		
		3	0	14.90	14.89	14.94	16.5		
HSPA+		3	0	14.81	14.81	14.87	16.5		
		1	0	14.50	14.50	14.54	15.5		
		1	2	14.50	13.93	14.04	15.5		
		1	2	14.64	14.74	14.56	15.5		
		1	2	14.62	14.74	14.77	13.5		
		1	5	11.64	11.86	11.79	13.5		
		1	5	11.64	11.86	11.89	13.5		
		3	1	11.76	11.79	11.82	13.5		
		3	1	11.69	11.92	11.98	13.5		
		3	3	11.64	11.74	11.76	13.5		

LTE Band 13 (AnT2)									
BW	Modulation	RB Size		RB Offset	Channel	Mid		Max. Time-up (MHz)	Max. Time-down (MHz)
		Channel							
		Frequency (MHz)							
GFSK		1	0			24.10	24.10	24.5	
		1	24			24.11	24.11	24.5	
		1	49			24.12	24.12	24.5	
		25	0			24.13	24.13	24.5	
		25	25			24.14	24.14	24.5	
		50	0			24.15	24.15	24.5	
		50	25			24.16	24.16	24.5	
		75	0			24.17	24.17	24.5	
		75	25			24.18	24.18	24.5	
		100	0			24.19	24.19	24.5	
10M	QAM	1	24			24.13	24.13	24.5	
		1	49			24.14	24.14	24.5	
		25	12			24.15	24.15	24.5	
		25	25			24.16	24.16	24.5	
		50	0			24.17	24.17	24.5	
		50	25			24.18	24.18	24.5	
		75	0			24.19	24.19	24.5	
		75	25			24.20	24.20	24.5	
		100	0			24.21	24.21	24.5	
		100	25			24.22	24.22	24.5	
20M	QAM	1	24			24.13	24.13	24.5	
		1	49			24.14	24.14	24.5	
		25	12			24.15	24.15	24.5	
		25	25			24.16	24.16	24.5	
		50	0			24.17	24.17	24.5	
		50	25			24.18	24.18	24.5	
		75	0			24.19	24.19	24.5	
		75	25			24.20	24.20	24.5	
		100	0			24.21	24.21	24.5	
		100	25			24.22	24.22	24.5	
20M	QAM	1	24			24.13	24.13	24.5	
		1	49			24.14	24.14	24.5	
		25	12			24.15	24.15	24.5	
		25	25			24.16	24.16	24.5	
		50	0			24.17	24.17	24.5	
		50	25			24.18	24.18	24.5	
		75	0			24.19	24.19	24.5	
		75	25			24.20	24.20	24.5	
		100	0			24.21	24.21	24.5	
		100	25			24.22	24.22	24.5	
20M	QAM	1	24			24.13	24.13	24.5	
		1	49			24.14	24.14	24.5	
		25	12			24.15	24.15	24.5	
		25	25			24.16	24.16	24.5	
		50	0			24.17	24.17	24.5	
		50	25			24.18	24.18	24.5	
		75	0			24.19	24.19	24.5	
		75	25			24.20	24.20	24.5	
		100	0			24.21	24.21	24.5	
		100	25			24.22	24.22	24.5	
20M	QAM	1	24			24.13	24.13	24.5	
		1	49			24.14	24.14	24.5	
		25	12			24.15	24.15	24.5	
		25	25			24.16	24.16	24.5	
		50	0			24.17	24.17	24.5	
		50	25			24.18	24.18	24.5	
		75	0			24.19	24.19	24.5	
		75	25			24.20	24.20	24.5	
		100	0			24.21	24.21	24.5	
		100	25			24.22	24.22	24.5	
20M	QAM	1	24			24.13	24.13	24.5	
		1	49			24.14	24.14	24.5	
		25	12			24.15	24.15	24.5	
		25	25			24.16	24.16	24.5	
		50	0			24.17	24.17	24.5	
		50	25			24.18	24.18	24.5	
		75	0			24.19	24.19	24.5	
		75	25			24.20	24.20	24.5	
		100	0			24.21	24.21	24.5	
		100	25			24.22	24.22	24.5	

LTE Band 66 (Avt1)										
BW	Modulation	RB Size		RB Offset	Channel	Low		Mid	High	Max. Time-up (MHz)
		Frequency (MHz)				F70	F70			
		Frequency (MHz)				F70	F70			
5M	GFSK	1	0			23.50	23.47	23.41	24.5	
		1	50			23.51	23.50	23.36	24.5	
		1	99			23.52	23.45	23.34	24.5	
		50	0			23.53	23.55	23.29	24.5	
		50	50			23.54	23.54	23.25	24.5	
		100	0			23.55	23.54	23.25	24.5	
		100	50			23.56	23.55	23.25	24.5	
		150	0			23.57	23.57	23.25	24.5	
		150	50			23.58	23.57	23.25	24.5	
		200	0			23.59	23.59	23.25	24.5	
10M	QAM	1	24			23.51	23.51	23.41	24.5	
		1	99			23.52	23.52	23.25	24.5	
		50	25			23.53	23.53	23.25	24.5	
		50	50			23.54	23.54	23.25	24.5	
		100	0			23.55	23.55	23.25	24.5	
		100	50			23.56	23.56	23.25	24.5	
		150	0			23.57	23.57	23.25	24.5	
		150	50			23.58	23.58	23.25	24.5	
		200	0			23.59	23.59	23.25	24.5	
		200	50			23.60	23.60	23.25	24.5	
20M	QAM	1	24			23.51	23.51	23.41	24.5	
		1	99			23.52	23.52	23.25	24.5	
		50	25			23.53	23.53	23.25	24.5	
		50	50			23.54	23.54	23.25	24.5	
		100	0			23.55	23.55	23.25	24.5	
		100	50			23.56	23.56	23.25	24.5	
		150	0			23.57	23.57	23.25	24.5	
		150	50			23.58	23.58	23.25	24.5	
		200	0			23.59	23.59	23.25	24.5	
		200	50			23.60	23.60	23.25	24.5	
20M	QAM	1	24			23.51	23.51	23.41	24.5	
		1	99			23.52	23.52	23.25	24.5	
		50	25			23.53	23.53	23.25	24.5	
		50	50			23.54	23.54	23.25	24.5	
		100	0			23.55	23.55	23.25	24.5	
		100	50			23.56	23.56	23.25	24.5	
		150	0			23.57	23.57	23.25	24.5	
		150	50			23.58	23.58	23.25	24.5	
		200	0			23.59	23.59	23.25	24.5	
		200	50			23.60	23.60	23.25	24.5	
20M	QAM	1	24			23.51	23.51	23.41	24.5	
		1	99			23.52	23.52	23.25	24.5	
		50	25			23.53	23.53	23.25	24.5	
		50	50			23.54	23.54	23.25	24.5	
		100	0			23.55	23.55	23.25	24.5	
		100	50			23.56	23.56	23.25	24.5	
		150	0			23.57	23.57	23.25	24.5	
		150	50			23.58	23.58	23.25	24.5	
		200	0			23.59	23.59	23.25	24.5	
		200	50			23.60	23.60	23.25	24.5	
20M	QAM	1	24			23.51	23.51	23.41	24.5	
		1	99			23.52	23.52	23.25	24.5	
		50	25			23.53	23.53	23.25	24.5	
		50	50			23.54	23.54	23.25	24.5	
		100	0			23.55	23.55	23.25	24.5	
		100	50			23.56	23.56	23.25	24.5	
		150	0			23.57	23.57	23.25	24.5	
		150	50			23.58	23.58	23.25	24.5	
		200	0			23.59	23.59	23.25	24.5	
		200	50			23.60	23.60	23.25	24.5	
20M	QAM	1	24			23.51	23.51	23.41	24.5	
		1	99			23.52	23.52	23.25	24.5	
		50	25			23.53	23.53	23.25	24.5	
		50	50			23.54	23.54	23.25	24.5	
		100	0			23.55	23.55	23.25	24.5	
		100	50			23.56	23.56	23.25	24.5	
		150	0			23.57	23.57	23.25	24.5	
		150	50			23.58	23.58	23.25	24.5	
		200	0			23.59	23.59	23.25	24.5	
		200	50			23.60	23.60	23.25	24.5	
20M	QAM	1	24			23.51	23.51	23.41	24.5	
		1	99			23.52	23.52	23.25	24.5	
		50	25			23.53	23.53	23.25	24.5	
		50	50			23.54	23.54	23.25	24.5	
		100	0			23.55	23.55	23.25	24.5	
		100	50			23.56	23.56	23.25	24.5	
		150	0			23.57	23.57	23.25	24.5	
		150	50			23.58	23.58	23.25	24.5	
		200	0			23.59	23.59	23.25	24.5	
		200	50			23.60	23.60	23.25	24.5	
20M	QAM	1	24			23.51	23.51	23.41	24.5	
		1	99			23.52	23.52	23.25	24.5	
		50	25			23.53	23.53	23.25	24.5	
		50	50			23.54	23.54	23.25	24.5	
		100	0			23.55	23.55	23.25	24.5	
		100	50			23.56	23.56	23.25	24.5	
		150	0			23.57	23.57	23.25	24.5	
		150	50			23.58	23.58	23.25	24.5	
		200	0			23.59	23.59	23.25	24.5	
		200	50			23.60	23.60	23.25	24.5	
20M	QAM	1	24			23.51	23.51	23.41	24.5	
		1	99			23.52	23.52	23.25	24.5	
		50	25			23.53	23.53	23.25	24.5	
		50	50			23.54	23.54	23.25	24.5	
		100	0			23.55	23.55	23.25	24.5	
		100	50			23.56	23.56	23.25	24.5	
		150	0			23.57	23.57	23.25	24.5	
		150	50			23.58	23.58	23.25	24.5	
		200	0			23.59	23.59	23.25	24.5	
		200	50			23.60	23.60	23.25	24.5	
20M	QAM	1	24			23.51	23.51	23.41	24.5	
		1	99			23.52	23.52	23.25	24.5	
		50	25			23.53	23.53	23.25	24.5	
		50	50			23.54	23.54	23.25	24.5	
		100	0			23.55	23.55	23.25	24.5	
		100	50			23.56	23.56	23.25	24.5	
		150	0			23.57	23.57	23.25	24.5	
		150	50			23.58	23.58	23.25	24.5	
		200	0			23.59	23.59	23.25	24.5	
		200	50			23.60	23.60	23.25	24.5	
20M	QAM	1	24			23.51	23.51	23.41	24.5	
		1	99			23.52	23.52	23.25	24.5	
		50	25			23.53	23.53	23.25	24.5	
		50	50			23.54	23.54	23.25	24.5	
		100	0			23.55	23.55	23.25	24.5	
		100	50			23.56	23.56	23.25	24.5	
		150	0			23.57	23.57	23.25	24.5	
		150	50			23.58	23.58	23.25	24.5	
		200	0			23.59	23.59	23.25	24.5	
		200	50			23.60	23.60	23.25	24.5	
20M	QAM	1	24			23.51	23.51	23.41	24.5	
		1	99			23.52	23.52	23.25	24.5	
		50	25			23.53	23.53	23.25	24.5	
		50	50			23.54	23.54	23.25	24.5	
		100	0			23.55	23.55	23.25	24.5	
		100	50			23.56	23.56	23.25	24.5	
		150	0			23.57	23.57	23.25	24.5	
		150	50			23.58	23.58	23.25	24.5	
		200	0			23.59	23.59	23.25	24.5	
		200	50			23.60	23.60	23.25	24.5	
20M	QAM	1	24			23.51	23.51	23.41	24.5	
		1	99			23.52	23.52	23.25	24.5	
		50	25			23.53	23.53	23.25	24.5	
		50	50			23.54	23.54	23.25	24.5	
		100	0			23.55	23.55	23.25	24.5	
		100	50			23.56	23.56	23.25	24.5	
		150	0			23.57	23.57	23.25	24.5	
		150	50			23.58	23.58	23.25	24.5	
		200	0			23.59	23.59	23.25	24.5	
		200	50			23.60	23.60	23.25	24.5	
20M	QAM	1	24			23.51	23.51	23.41	24.5	
		1	99			23.52	23.52	23.25	24.5	
		50	25			23.53	23.53	23.25	24.5	
		50	50			23.54	23.54	23.25	24.5	
		100	0			23.55	23.55	23.25	24.5	
		100	50			23.56	23.56	23.25	24.5	
		150	0			23.57	23.57	23.25	24.5	
		150	50			23.58	23.58	23.25	24.5	
		200	0			23.59	23.59	23.25	24.5	
		200	50			23.60	23.60	23.25	24.5	
20M	QAM	1	24			23.51	23.51	23.41	24.5	
		1	99			23.52	23.52	23.25	24.5	
		50	25			23.53	23.53	23.25	24.5	
		50	50			23.54	23.54	23.25	24.5	
		100	0			23.55	23.55	23.25	24.5	
		100	50			23.56	23.56	23.25	24.5	
		150	0			23.57	23.57	23.25	24.5	
		150	50			23.58	23.58	23.25	24.5	
		200	0			23.59	23.59	23.25	24.5	
		200	50			23.60	23.60	23.25	24.5	
20M	QAM	1	24			23.51	23.51	23.41	24.5	
		1	99			23.52	23.52	23.25	24.5	
		50	25			23.53	23.53	23.25	24.5	
		50	50			23.54	23.54	23.25	24.5	
		100	0			23.55	23.55	23.25	24.5	
		100	50			23.56	23.56	23.25	24.5	
		150	0			23.57	23.57	23.25	24.5	
		150	50			23.58	23.58	23.25	24.5	
		200	0			23.59	23.59	23.25	24.5	
		200	50			23.60	23.60	23.25	24.5	
20M	QAM	1	24			23.51	23.51	23.41	24.5	
		1	99			23.52	23.52	23.25	24.5	
		50	25			23.53	23.53	23.25	24.5	
		50	50			23.54	23.54	23.25	24.5	
		100	0			23.55	23.55	23.25	24.5	
		100	50			23.56	23.56	23.25	24.5	
		150	0			23.57	23.57	23.25	24.5	
		150	50			23.58	23.58	23.25	24.5	
		200	0			23.59	23.59	23.25	24.5	
		200	50			23.60	23.60	23.25	24.5	
20M	QAM	1	24			23.51	23.51	23.41	24.	

LTE Band 66 (Avt2)									
BW	Modulation	RB Size		RB Offset	Channel	Low		High	Max. Time-up (MHz)
		Channel				12012	12012		
		Frequency (MHz)				F70	F70		
GFSK		1	0	17.08	17.12	17.13	18.5		
		1	50	17.04	17.03	16.97	18.5		
		1	99	17.04	17.03	16.97	18.5		
		50	0	17.12	18.11	15.90	17.5		
		50	50	16.98	18.08	15.87	17.5		
		50	99	16.97	18.08	15.94	17.5		
		100	0	16.99	18.02	15.92	17.5		
		100	50	16.98	18.06	15.93	17.5		
		1	50	16.04	18.93	15.90	17.5		
		1	99	16.04	18.93	15.90	17.5		
10M	QAM	1	24	16.95	17.04	16.93	18.5		
		1	99	16.95	17.04	16.93	18.5		
		50	25	14.97	15.90	14.80	16.5		
		50	99	14.95	15.90	14.80	16.5		
		100	0	14.95	15.90	14.80	16.5		
		100	50	14.95	15.90	14.80	16.5		
		1	50	14.79	14.74	14.59	16.5		
		50	24	14.74	14.74	14.59	16.5		
		1	99	14.61	14.77	14.78	16.5		
		1	50	13.98	14.00	14.00	15.5		
20M	QAM	50	25	14.90	14.90	14.50	15.5		
		50	99	14.90	14.90	14.50	15.5		
		50	50	13.98	14.02	14.00	15.5		
		1	50	13.92	13.92	13.92	15.5		
		1	99	13.92	13.92	13.92	15.5		
		1	50	13.67	13.62	13.70	13.5		
		50	14.68	13.68	13.65	13.5			
		50	0	13.92	12.90	11.90	13.5		
		50	25	13.94	12.11	11.93	13.5		
		50	99	12.90	12.92	12.90	13.5		
20M	QAM	50	0	12.13	12.13	12.08	13.5		
		50	25	12.13	12.08	12.08	13.5		
		50	99	12.13	12.08	12.08	13.5		
		50	50	11.92	11.92	11.92	13.5		
		50	14.68	11.88	11.85	13.5			
		50	0	11.92	12.90	11.90	13.5		
		50	25	13.94	12.11	11.93	13.5		
		50	99	12.90	12.92	12.90	13.5		
		50	0	12.13	12.13	12.08	13.5		
		50	25	12.13	12.08	12.08	13.5		
50M	Modulation	Channel	Frequency (MHz)	12012	12012	12017	Time-up		
		F70	F70	F70	F70				
		1	0	17.00	17.04	17.00	18.5		
GFSK		1	37	16.98	17.04	16.99	18.5		
		74	16.97	16.98	16.98	18.5			
		30	0	16.00	18.10	15.89	17.5		
		30	19	15.97	15.94	15.83	17.5		
		30	39	15.94	15.93	15.79	17.5		
		75	0	15.95	15.95	15.94	17.5		
		75	19	15.94	15.93	15.83	17.5		
		1	37	16.00	18.09	15.84	17.5		
		1	74	16.02	18.05	15.74	17.5		
		1	30	14.90	14.94	14.83	16.5		
10M	QAM	1	39	14.91	14.94	14.84	16.5		
		30	19	14.90	14.93	14.80	16.5		
		1	74	14.93	14.92	14.83	16.5		
		1	0	14.64	14.68	14.61	16.5		
		1	37	14.64	14.62	14.60	16.5		
		1	74	14.64	14.62	14.60	16.5		
		30	19	14.64	14.61	14.57	16.5		
		30	39	14.63	14.62	14.56	16.5		
		30	0	13.83	13.88	13.84	15.5		
		30	19	13.86	13.85	13.73	15.5		
30M	QAM	30	39	13.92	13.92	13.92	15.5		
		30	0	13.86	13.89	14.78	15.5		
		30	19	13.86	13.89	14.78	15.5		
		1	37	13.50	13.48	13.56	13.5		
		1	74	13.54	13.54	13.54	13.5		
		0	13.88	12.91	12.93	13.5			
		30	19	13.79	12.70	11.63	13.5		
		30	39	12.70	12.70	12.70	13.5		
		30	0	12.90	12.94	13.01	13.5		
		30	19	12.90	12.94	13.01	13.5		

Receiver on_DS15_ENDC&Sim-Tx

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Channel	372000	376000	380000
				Frequency (MHz)	1860	1880	1900
							Max. Tune-up (dBm)
20M	DFT-s-OFDM P/2 BPSK	1	1	23.33	23.30	23.33	24.5
		1	53	23.24	23.33	23.24	24.5
		1	104	23.23	23.29	23.12	24.5
		50	0	23.36	23.35	23.34	24.5
		50	28	23.35	23.30	23.38	24.5
		50	56	23.38	23.33	23.32	24.5
	DFT-s-OFDM QPSK	100	0	23.37	23.31	23.37	24.5
		1	1	23.38	23.39	23.37	24.5
		1	53	23.26	23.37	23.36	24.5
		1	104	23.25	23.29	23.28	24.5
		50	0	22.82	22.92	22.84	23.5
		50	28	23.33	23.37	23.36	24.5
	DFT-s-OFDM 16QAM	50	56	22.91	22.92	22.84	23.5
		100	0	22.93	22.95	22.90	23.5
		1	1	21.94	22.86	22.97	23.5
		1	1	21.39	21.57	20.95	22.5
		1	1	19.38	18.84	18.82	20.5
		1	1	19.38	18.84	18.82	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	23.34	23.32	23.36	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.32	23.35	23.34	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	23.31	23.33	23.35	24.5

n2 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Channel	372000	376000	380000
				Frequency (MHz)	1860	1880	1900
							Max. Tune-up (dBm)
20M	DFT-s-OFDM P/2 BPSK	1	1	14.55	14.57	14.35	15.5
		1	53	14.54	14.57	14.52	15.5
		1	104	14.41	14.48	14.51	15.5
		50	0	14.02	13.97	13.93	15.5
		50	28	14.52	14.41	14.37	15.5
		50	56	14.00	13.95	13.89	15.5
	DFT-s-OFDM QPSK	100	0	13.97	14.07	13.89	15.5
		1	1	14.57	14.60	14.55	15.5
		1	53	14.47	14.47	14.48	15.5
		1	104	14.36	14.45	14.44	15.5
		50	0	13.42	13.48	13.44	14.5
		50	28	14.51	14.52	14.50	15.5
	DFT-s-OFDM 16QAM	50	56	13.36	13.41	13.40	14.5
		100	0	13.44	13.45	13.42	14.5
		1	1	13.61	13.71	13.56	14.5
		1	1	12.21	12.28	12.08	13.5
		1	1	10.19	10.19	10.12	11.5
		1	1	10.19	10.19	10.12	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	14.55	14.54	14.52	15.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	14.49	14.51	14.54	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	14.43	14.49	14.53	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 P/V2 BPSK	1	1	23.26	23.27	23.25	24.5
		1	53	23.23	23.35	23.29	24.5
		1	104	23.28	23.29	23.21	24.5
		50	0	23.35	23.40	23.36	24.5
		50	28	23.30	23.44	23.37	24.5
		50	56	23.37	23.42	23.45	24.5
	DFT-s-OFDM QPSK	100	0	23.32	23.47	23.39	24.5
		1	1	23.42	23.48	23.38	24.5
		1	53	23.32	23.33	23.32	24.5
		1	104	23.41	23.44	23.36	24.5
		50	0	23.37	23.45	23.33	24.5
		50	28	23.41	23.47	23.39	24.5
	DFT-s-OFDM 16QAM	50	56	23.32	23.39	23.38	24.5
		100	0	23.42	23.46	23.43	24.5
		1	1	23.46	23.44	23.45	24.5
		1	1	21.38	21.49	21.50	22.5
		1	1	19.32	19.41	19.34	20.5
		1	1	19.32	19.41	19.34	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	23.40	23.32	23.39	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	23.41	23.34	23.35	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	23.38	23.34	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/V2 BPSK	1	1	23.66	23.76	23.77	24.5
		1	108	23.69	23.58	23.71	24.5
		1	214	23.73	23.62	23.77	24.5
		108	0	23.01	23.04	22.95	24
		108	54	23.61	23.56	23.73	24.5
		108	108	22.95	22.93	22.73	24
	DFT-s-OFDM QPSK	216	0	22.92	22.97	22.88	24
		1	1	23.68	23.79	23.76	24.5
		1	108	23.58	23.62	23.73	24.5
		1	214	23.62	23.72	23.61	24.5
		108	0	22.97	22.94	23.02	24
		108	54	23.48	23.67	23.59	24.5
	DFT-s-OFDM 16QAM	108	108	22.91	22.97	22.82	24
		216	0	22.88	23.02	22.86	24
		1	1	23.09	23.18	23.07	24
		1	1	20.95	21.03	20.99	22
		1	1	18.72	18.71	18.70	20
		1	1	18.72	18.71	18.70	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.65	23.73	23.53	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	23.64	23.69	23.55	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.62	23.59	23.56	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	23.61	23.63	23.54	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.66	23.66	23.50	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	23.64	23.71	23.52	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/V2 BPSK	1	1	16.27	16.29	16.29	17	
		1	108	16.25	16.25	16.25	17	
		1	214	16.25	16.14	16.35	17	
		108	0	15.81	15.90	15.85	16.5	
		108	54	16.24	16.29	16.24	17	
		108	108	15.91	15.80	15.75	16.5	
	DFT-s-OFDM QPSK	216	0	15.90	15.85	15.85	16.5	
		1	1	16.39	16.44	16.36	17	
		1	108	16.24	16.25	16.32	17	
		1	214	16.35	16.21	16.23	17	
		108	0	15.37	15.47	15.25	16.5	
		108	54	16.29	16.30	16.28	17	
		108	108	15.23	15.26	15.21	16.5	
		216	0	15.41	15.42	15.38	16.5	
		DFT-s-OFDM 16QAM	1	1	15.52	15.42	15.46	16.5
		DFT-s-OFDM 64QAM	1	1	13.98	13.96	13.98	14.5
	DFT-s-OFDM 256QAM	1	1	11.85	11.91	11.83	12.5	
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up	
		Frequency (MHz)		1725	1745	1765		
30M	DFT-s-OFDM QPSK	1	1	16.33	16.30	16.34	17	
BW	MCS Index	Channel		344500	349000	353500	Max. Tune-up	
		Frequency (MHz)		1722.5	1745	1767.5		
25M	DFT-s-OFDM QPSK	1	1	16.25	16.30	16.32	17	
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up	
		Frequency (MHz)		1720	1745	1770		
20M	DFT-s-OFDM QPSK	1	1	16.24	16.29	16.25	17	
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up	
		Frequency (MHz)		1717.5	1745	1772.5		
15M	DFT-s-OFDM QPSK	1	1	16.14	16.27	16.20	17	
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up	
		Frequency (MHz)		1715	1745	1775		
10M	DFT-s-OFDM QPSK	1	1	16.16	16.17	16.31	17	
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up	
		Frequency (MHz)		1712.5	1745	1777.5		
5M	DFT-s-OFDM QPSK	1	1	16.11	16.23	16.23	17	

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		15.56		17
		1	137		15.29		17
		1	271		15.38		17
		135	0		15.44		17
		135	69		15.33		17
		135	138		15.28		17
		270	0		15.35		17
		1	1		15.78		17
	DFT-s-OFDM QPSK	1	137		15.49		17
		1	271		15.51		17
		135	0		15.69		17
		135	69		15.70		17
		135	138		15.40		17
		270	0		15.57		17
		DFT-s-OFDM 16QAM	1	1	15.69		17
		DFT-s-OFDM 64QAM	1	1	15.38		16
		DFT-s-OFDM 256QAM	1	1	13.79		14.5
BW	MCS Index	Channel		633000	63334	63366	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	15.60	15.64	15.44	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	15.66	15.65	15.38	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	15.71	15.64	15.35	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	15.73	15.62	15.46	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	15.59	15.65	15.44	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	15.63	15.70	15.47	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	15.71	15.65	15.39	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	15.73	15.39	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	15.71	15.63	15.46	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	15.69	15.65	15.41	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	15.72	15.68	15.37	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 P/V2 BPSK	1	1	15.05	15.26	15.24	17
		1	137	15.16	15.37	15.59	17
		1	271	15.30	15.47	15.08	17
		135	0	15.25	15.26	15.48	17
		135	69	15.18	15.34	15.58	17
		135	138	15.22	15.41	15.62	17
		270	0	15.24	15.36	15.68	17
	DFT-s-OFDM QPSK	1	1	15.52	15.54	15.76	17
		1	137	15.18	15.44	15.66	17
		1	271	15.49	15.45	15.75	17
		135	0	15.40	15.41	15.60	17
		135	69	15.51	15.53	15.65	17
		135	138	15.34	15.51	15.62	17
		270	0	15.35	15.48	15.53	17
	DFT-s-OFDM 16QAM	1	1	15.21	15.25	15.49	17
	DFT-s-OFDM 64QAM	1	1	15.00	14.88	15.31	16
	DFT-s-OFDM 256QAM	1	1	13.26	13.27	13.53	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	15.43	15.33	15.44	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	15.29	15.31	15.34	17
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	15.30	15.32	15.36	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	15.39	15.32	15.35	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	15.39	15.25	15.33	17
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	15.33	15.29	15.41	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	15.28	15.23	15.33	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	15.33	15.20	15.32	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	15.34	15.26	15.29	17
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	15.36	15.22	15.34	17
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	15.38	15.20	15.35	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/V2 BPSK	1	1		18.32		20
		1	137		18.30		20
		1	271		18.21		20
		135	0		17.87		19.5
		135	69		18.41		20
		135	138		17.75		19.5
		270	0		17.88		19.5
	DFT-s-OFDM QPSK	1	1		18.49		20
		1	137		18.27		20
		1	271		18.31		20
		135	0		17.42		19
		135	69		18.34		20
		135	138		17.30		19
		270	0		17.37		19
	DFT-s-OFDM 16QAM	1	1		17.45		19
	DFT-s-OFDM 64QAM	1	1		15.74		16.5
	DFT-s-OFDM 256QAM	1	1		13.49		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	18.27	18.47	18.42	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	18.19	18.38	18.33	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	18.19	18.36	18.27	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	18.25	18.38	18.28	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	18.14	18.44	18.33	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	18.25	18.37	18.30	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	18.15	18.47	18.32	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	18.16	18.38	18.37	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	18.14	18.48	18.27	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	18.21	18.46	18.31	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	18.14	18.44	18.39	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	18.35	18.31	18.34	20
		1	137	18.23	18.28	18.49	20
		1	271	18.13	18.44	18.61	20
		135	0	17.76	17.75	18.02	19.5
		135	69	18.26	18.37	18.57	20
		135	138	17.67	17.93	18.22	19.5
		270	0	17.64	17.84	18.18	19.5
	DFT-s-OFDM QPSK	1	1	18.57	18.54	18.72	20
		1	137	18.31	18.32	18.56	20
		1	271	18.07	18.52	18.57	20
		135	0	17.24	17.36	17.60	19
		135	69	18.17	18.39	18.63	20
		135	138	17.12	17.37	17.65	19
		270	0	17.18	17.32	17.57	19
	DFT-s-OFDM 16QAM	1	1	17.17	17.44	17.46	19
	DFT-s-OFDM 64QAM	1	1	15.28	15.37	15.53	16.5
	DFT-s-OFDM 256QAM	1	1	13.10	13.23	13.44	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	18.35	18.18	18.60	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	18.38	18.14	18.57	20
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	18.42	18.13	18.58	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	18.40	18.15	18.47	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	18.41	18.11	18.55	20
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	18.36	18.11	18.56	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	18.38	18.22	18.49	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	18.42	18.19	18.51	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	18.44	18.20	18.49	20
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	18.45	18.13	18.53	20
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	18.43	18.12	18.53	20

Receiver_on_DBF5_ENDC&Sim-Tx

CA_B5 (Ant2)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
20450	829	20549	836.9	QPSK	1	49	1	0	1	24.76	25.5
				16QAM	1	49	1	0	1	23.92	24.5
				64QAM	1	49	1	0	1	22.61	23.5
				256QAM	1	49	1	0	1	19.73	20.5
				QPSK	1	49	1	0	1	24.73	25.5
20478	831.6	20575	841.5	16QAM	1	49	1	0	1	23.93	24.5
				64QAM	1	49	1	0	1	22.44	23.5
				256QAM	1	49	1	0	1	18.62	20.5
				QPSK	1	49	1	0	1	24.62	25.5
				16QAM	1	49	1	0	1	23.45	24.5
20501	834.1	20600	844	64QAM	1	49	1	0	1	22.25	23.5
				256QAM	1	49	1	0	1	19.78	20.5
				QPSK	1	49	1	0	1	24.62	25.5
				16QAM	1	49	1	0	1	23.45	24.5
				64QAM	1	49	1	0	1	22.13	23.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
20450	829	20522	836.2	QPSK	1	49	1	0	1	24.58	25.5
				16QAM	1	49	1	0	1	23.81	24.5
				64QAM	1	49	1	0	1	22.48	23.5
				256QAM	1	49	1	0	1	19.49	20.5
				QPSK	1	49	1	0	1	24.53	25.5
20500	834	20572	841.2	16QAM	1	49	1	0	1	23.83	24.5
				64QAM	1	49	1	0	1	22.37	23.5
				256QAM	1	49	1	0	1	19.63	20.5
				QPSK	1	49	1	0	1	24.46	25.5
				16QAM	1	49	1	0	1	23.70	24.5
20550	839	20622	846.2	64QAM	1	49	1	0	1	22.13	23.5
				256QAM	1	49	1	0	1	19.64	20.5
				QPSK	1	49	1	0	1	24.46	25.5
				16QAM	1	49	1	0	1	23.70	24.5
				64QAM	1	49	1	0	1	22.13	23.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
20428	826.8	20500	834	QPSK	1	24	1	0	1	24.54	25.5
				16QAM	1	24	1	0	1	23.82	24.5
				64QAM	1	24	1	0	1	22.55	23.5
				256QAM	1	24	1	0	1	19.50	20.5
				QPSK	1	24	1	0	1	24.55	25.5
20478	831.8	20550	839	16QAM	1	24	1	0	1	23.76	24.5
				64QAM	1	24	1	0	1	22.36	23.5
				256QAM	1	24	1	0	1	19.61	20.5
				QPSK	1	24	1	0	1	24.49	25.5
				16QAM	1	24	1	0	1	23.70	24.5
20528	836.8	20600	844	64QAM	1	24	1	0	1	22.10	23.5
				256QAM	1	24	1	0	1	19.53	20.5
				QPSK	1	24	1	0	1	24.46	25.5
				16QAM	1	24	1	0	1	23.47	24.5
				64QAM	1	24	1	0	1	22.02	23.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
20425	826.5	20464	830.4	QPSK	1	24	1	0	1	24.48	25.5
				16QAM	1	24	1	0	1	23.57	24.5
				64QAM	1	24	1	0	1	22.62	23.5
				256QAM	1	24	1	0	1	19.42	20.5
				QPSK	1	24	1	0	1	24.41	25.5
20510	835	20549	838.9	16QAM	1	24	1	0	1	23.78	24.5
				64QAM	1	24	1	0	1	22.25	23.5
				256QAM	1	24	1	0	1	19.65	20.5
				QPSK	1	24	1	0	1	24.33	25.5
				16QAM	1	24	1	0	1	23.76	24.5
20595	843.5	20634	847.4	64QAM	1	24	1	0	1	22.04	23.5
				256QAM	1	24	1	0	1	19.46	20.5
				QPSK	1	24	1	0	1	24.35	25.5
				16QAM	1	24	1	0	1	23.46	24.5
				64QAM	1	24	1	0	1	22.10	23.5
Combination 3MHz+5MHz (15RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
20416	825.6	20455	829.5	QPSK	1	14	1	0	1	24.37	25.5
				16QAM	1	14	1	0	1	23.67	24.5
				64QAM	1	14	1	0	1	22.54	23.5
				256QAM	1	14	1	0	1	19.45	20.5
				QPSK	1	14	1	0	1	24.35	25.5
20501	834.1	20540	838	16QAM	1	14	1	0	1	23.65	24.5
				64QAM	1	14	1	0	1	22.28	23.5
				256QAM	1	14	1	0	1	19.57	20.5
				QPSK	1	14	1	0	1	24.28	25.5
				16QAM	1	14	1	0	1	23.66	24.5
20586	842.6	20625	846.5	64QAM	1	14	1	0	1	22.10	23.5
				256QAM	1	14	1	0	1	19.46	20.5
				QPSK	1	14	1	0	1	24.35	25.5
				16QAM	1	14	1	0	1	23.46	24.5
				64QAM	1	14	1	0	1	22.10	23.5

CA_66B (Ant1)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
132022	1715	132121	1724.9	QPSK	1	49	1	0	1	24.13	24.5
				16QAM	1	49	1	0	1	23.34	23.5
				64QAM	1	49	1	0	1	21.69	22.5
				256QAM	1	49	1	0	1	19.07	19.5
				QPSK	1	49	1	0	1	23.91	24.5
132373	1750.1	132472	1760	16QAM	1	49	1	0	1	23.23	23.5
				64QAM	1	49	1	0	1	21.78	22.5
				256QAM	1	49	1	0	1	19.04	19.5
				QPSK	1	49	1	0	1	23.63	24.5
				16QAM	1	49	1	0	1	23.14	23.5
132523	1765.1	132622	1775	64QAM	1	49	1	0	1	21.68	22.5
				256QAM	1	49	1	0	1	19.07	19.5
				QPSK	1	49	1	0	1	23.91	24.5
				16QAM	1	49	1	0	1	23.23	23.5
				64QAM	1	49	1	0	1	21.78	22.5
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
132047	1717.5	132140	1726.8	QPSK	1	74	1	0	1	23.97	24.5
				16QAM	1	74	1	0	1	23.27	23.5
				64QAM	1	74	1	0	1	21.57	22.5
				256QAM	1	74	1	0	1	19.07	19.5
				QPSK	1	74	1	0	1	23.89	24.5
132396	1752.6	132491	1761.9	16QAM	1	74	1	0	1	23.22	23.5
				64QAM	1	74	1	0	1	21.65	22.5
				256QAM	1	74	1	0	1	19.03	19.5
				QPSK	1	74	1	0	1	23.80	24.5
				16QAM	1	74	1	0	1	23.09	23.5
132549	1767.7	132642	1777	64QAM	1	74	1	0	1	21.65	22.5
				256QAM	1	74	1	0	1	19.03	19.5
				QPSK	1	74	1	0	1	23.80	24.5
				16QAM	1	74	1	0	1	23.09	23.5
				64QAM	1	74	1	0	1	21.65	22.5
Combination 5MHz+15MHz (25RB+75RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
132002	1713	132095	1722.3	QPSK	1	24	1	0	1	24.01	24.5
				16QAM	1	24	1	0	1	23.21	23.5
				64QAM	1	24	1	0	1	21.59	22.5
				256QAM	1	24	1	0	1	19.02	19.5
				QPSK	1	24	1	0	1	23.82	24.5
132353	1748.1	132446	1757.4	16QAM	1	24	1	0	1	23.15	23.5
				64QAM	1	24	1	0	1	21.77	22.5
				256QAM	1	24	1	0	1	18.92	19.5
				QPSK	1	24	1	0	1	23.71	24.5
				16QAM	1	24	1	0	1	23.13	23.5
132504	1763.2	132597	1772.5	64QAM	1	24	1	0	1	21.60	22.5
				256QAM	1	24	1	0	1	18.99	19.5
				QPSK	1	24	1	0	1	23.89	24.5
				16QAM	1	24	1	0	1	23.21	23.5
				64QAM	1	24	1	0	1	21.77	22.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
132022	1715	132094	1722.2	QPSK	1	49	1	0	1	23.84	24.5
				16QAM	1	49	1	0	1	23.17	23.5
				64QAM	1	49	1	0	1	21.62	22.5
				256QAM	1	49	1	0	1	19.00	19.5
				QPSK	1	49	1	0	1	23.86	24.5
132397	1752.5	132469	1759.7	16QAM	1	49	1	0	1	23.05	23.5
				64QAM	1	49	1	0	1	21.70	22.5
				256QAM	1	49	1	0	1	18.86	19.5
				QPSK	1	49	1	0	1	23.58	24.5
				16QAM	1	49	1	0	1	22.99	23.5
132572	1770	132644	1777.2	64QAM	1	49	1	0	1	21.63	22.5
				256QAM	1	49	1	0	1	18.91	19.5
				QPSK	1	49	1	0	1	23.89	24.5
				16QAM	1	49	1	0	1	23.21	23.5
				64QAM	1	49	1	0	1	21.77	22.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
132000	1712.8	132072	1720	QPSK	1	24	1	0	1	23.86	24.5
				16QAM	1	24	1	0	1	23.11	23.5
				64QAM	1	24	1	0	1	21.54	22.5
				256QAM	1	24	1	0	1	19.01	19.5
				QPSK	1	24	1	0	1	23.92	24.5
132375	1750.3	132447	1757.5	16QAM	1	24	1	0	1	23.14	23.5
				64QAM	1	24	1	0	1	21.58	22.5
				256QAM	1	24	1	0	1	18.85	19.5
				QPSK	1	24	1	0	1	23.63	24.5
				16QAM	1	24	1	0	1	23.00	23.5
132550	1767.8	132622	1775	64QAM	1	24	1	0	1	21.50	22.5
				256QAM	1	24	1	0	1	18.86	19.5
				QPSK	1	24	1	0	1	23.89	24.5
				16QAM	1	24	1	0	1	23.21	23.5
				64QAM	1	24	1	0	1	21.77	22.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Turn-up Power
131997	1712.5	132045	1717.3	QPSK	1	24	1	0	1	23.89	24.5
				16QAM	1	24	1	0	1	23.19	23.5
				64QAM	1	24	1	0	1	21.55	22.5
				256QAM	1	24	1	0	1	18.92	19.5
				QPSK	1	24	1	0	1	23.83	24.5
132398	1777.5	132446	1782.3	16QAM	1	24	1	0	1	23.12	23.5
				64QAM	1	24	1	0	1	21.66	22.5
				256QAM	1	24	1	0	1	18.77	19.5
				QPSK	1	24	1	0	1	23.55	24.5
				16QAM	1	24	1	0	1	22.97	23.5
132599	1772.7	132647	1777.5	64QAM	1	24	1	0	1	21.63	22.5
				256QAM	1	24	1	0	1	18.88	19.5
				QPSK	1	24	1	0	1	23.89	24.5
				16QAM	1	24	1	0	1	23.21	23.5
				64QAM	1	24	1	0	1	21.77	22.5

CA 66C (Ant1)										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132072	1720	132270	1739.8	QPSK	1	99	1	0	23.91	24.5
				16QAM	1	99	1	0	23.26	23.5
				64QAM	1	99	1	0	21.31	22.5
				256QAM	1	99	1	0	18.99	19.5
				QPSK	1	99	1	0	24.00	24.5
132323	1745.1	132521	1764.9	16QAM	1	99	1	0	23.07	23.5
				64QAM	1	99	1	0	21.71	22.5
				256QAM	1	99	1	0	18.99	19.5
				QPSK	1	99	1	0	23.86	24.5
				16QAM	1	99	1	0	23.05	23.5
132374	1750.2	132572	1770	64QAM	1	99	1	0	21.17	22.5
				256QAM	1	99	1	0	18.94	19.5
				QPSK	1	99	1	0	23.98	24.5
				16QAM	1	99	1	0	23.85	24.5
				QPSK	1	99	1	0	23.85	24.5
Combination 20MHz+15MHz (100RB+75RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132072	1720	132243	1737.1	QPSK	1	99	1	0	23.79	24.5
				16QAM	1	99	1	0	23.14	23.5
				64QAM	1	99	1	0	21.19	22.5
				256QAM	1	99	1	0	18.96	19.5
				QPSK	1	99	1	0	23.77	24.5
132348	1747.6	132519	1764.7	16QAM	1	99	1	0	22.98	23.5
				64QAM	1	99	1	0	21.65	22.5
				256QAM	1	99	1	0	18.96	19.5
				QPSK	1	99	1	0	23.85	24.5
				16QAM	1	99	1	0	22.96	23.5
132423	1755.1	132594	1772.2	16QAM	1	99	1	0	22.96	23.5
				64QAM	1	99	1	0	21.10	22.5
				256QAM	1	99	1	0	18.86	19.5
				QPSK	1	99	1	0	23.81	24.5
				16QAM	1	99	1	0	22.95	23.5
Combination 15MHz+20MHz (75RB+100RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132050	1717.8	132221	1734.9	QPSK	1	74	1	0	23.83	24.5
				16QAM	1	74	1	0	23.17	23.5
				64QAM	1	74	1	0	21.25	22.5
				256QAM	1	74	1	0	18.89	19.5
				QPSK	1	74	1	0	23.83	24.5
132325	1745.3	132496	1762.4	16QAM	1	74	1	0	23.02	23.5
				64QAM	1	74	1	0	21.64	22.5
				256QAM	1	74	1	0	18.90	19.5
				QPSK	1	74	1	0	23.81	24.5
				16QAM	1	74	1	0	22.95	23.5
132401	1752.9	132572	1770	64QAM	1	74	1	0	21.16	22.5
				256QAM	1	74	1	0	18.79	19.5
				QPSK	1	74	1	0	23.81	24.5
16QAM				1	74	1	0	22.95	23.5	
Combination 20MHz+10MHz (100RB+50RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132072	1720	132216	1734.4	QPSK	1	99	1	0	23.85	24.5
				16QAM	1	99	1	0	23.30	23.5
				64QAM	1	99	1	0	21.63	22.5
				256QAM	1	99	1	0	19.10	19.5
				QPSK	1	99	1	0	23.79	24.5
132373	1750.1	132517	1764.5	16QAM	1	99	1	0	23.24	23.5
				64QAM	1	99	1	0	21.69	22.5
				256QAM	1	99	1	0	19.04	19.5
				QPSK	1	99	1	0	23.74	24.5
				16QAM	1	99	1	0	23.15	23.5
132473	1760.1	132617	1774.5	64QAM	1	99	1	0	21.58	22.5
				256QAM	1	99	1	0	19.03	19.5
				QPSK	1	99	1	0	23.81	24.5
16QAM				1	99	1	0	22.95	23.5	
Combination 10MHz+20MHz (50RB+100RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132027	1715.5	132171	1729.9	QPSK	1	49	1	0	23.86	24.5
				16QAM	1	49	1	0	23.19	23.5
				64QAM	1	49	1	0	21.55	22.5
				256QAM	1	49	1	0	19.04	19.5
				QPSK	1	49	1	0	23.66	24.5
132328	1745.6	132472	1760	16QAM	1	49	1	0	23.09	23.5
				64QAM	1	49	1	0	21.62	22.5
				256QAM	1	49	1	0	18.91	19.5
				QPSK	1	49	1	0	23.60	24.5
				16QAM	1	49	1	0	22.90	23.5
132428	1755.6	132572	1770	64QAM	1	49	1	0	21.54	22.5
				256QAM	1	49	1	0	18.91	19.5
				QPSK	1	49	1	0	23.81	24.5
16QAM				1	49	1	0	22.90	23.5	
Combination 15MHz+15MHz (75RB+75RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132047	1717.5	132197	1732.5	QPSK	1	74	1	0	23.92	24.5
				16QAM	1	74	1	0	23.29	23.5
				64QAM	1	74	1	0	21.52	22.5
				256QAM	1	74	1	0	18.15	18.5
				QPSK	1	74	1	0	23.85	24.5
132347	1747.5	132497	1762.5	16QAM	1	74	1	0	23.05	23.5
				64QAM	1	74	1	0	21.56	22.5
				256QAM	1	74	1	0	18.99	19.5
				QPSK	1	74	1	0	23.65	24.5
				16QAM	1	74	1	0	22.96	23.5
132447	1757.5	132597	1772.5	64QAM	1	74	1	0	21.61	22.5
				256QAM	1	74	1	0	18.91	19.5
				QPSK	1	74	1	0	23.81	24.5
16QAM				1	74	1	0	22.95	23.5	
Combination 15MHz+10MHz (75RB+50RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132047	1717.5	132167	1729.5	QPSK	1	74	1	0	23.85	24.5
				16QAM	1	74	1	0	23.18	23.5
				64QAM	1	74	1	0	21.42	22.5
				256QAM	1	74	1	0	18.92	19.5
				QPSK	1	74	1	0	23.61	24.5
132373	1750.1	132493	1762.1	16QAM	1	74	1	0	23.00	23.5
				64QAM	1	74	1	0	21.57	22.5
				256QAM	1	74	1	0	18.96	19.5
				QPSK	1	74	1	0	23.58	24.5
				16QAM	1	74	1	0	23.00	23.5
132499	1762.7	132619	1774.7	64QAM	1	74	1	0	21.53	22.5
				256QAM	1	74	1	0	18.86	19.5
				QPSK	1	74	1	0	23.81	24.5
16QAM				1	74	1	0	22.95	23.5	
Combination 10MHz+15MHz (50RB+75RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132025	1715.3	132145	1727.3	QPSK	1	49	1	0	23.96	24.5
				16QAM	1	49	1	0	23.15	23.5
				64QAM	1	49	1	0	21.37	22.5
				256QAM	1	49	1	0	18.93	19.5
				QPSK	1	49	1	0	23.67	24.5
132351	1747.9	132471	1759.9	16QAM	1	49	1	0	22.97	23.5
				64QAM	1	49	1	0	21.43	22.5
				256QAM	1	49	1	0	18.94	19.5
				QPSK	1	49	1	0	23.55	24.5
				16QAM	1	49	1	0	22.92	23.5
132477	1760.5	132597	1772.5	64QAM	1	49	1	0	21.49	22.5
				256QAM	1	49	1	0	18.99	19.5
Combination 20MHz+5MHz (100RB+25RB)										
PCC Channel	PCC Frequency	S/C Channel	S/C Frequency	Modulation	PCC RB Size	PCC RB offset	S/C RB Size	S/C RB offset	Measured Power (dBm)	Max. Time-up Power
132072	1720	132189	1731.7	QPSK	1	99	1	0	23.95	24.5
				16QAM	1	99	1	0	23.18	23.5
				64QAM	1	99	1	0	21.41	22.5
				256QAM	1	99	1	0	18.93	19.5
				QPSK	1	99	1	0	23.86	24.5
132397	1752.5	132514	1764.2	16QAM	1	99	1	0	23.05	23.5
				64QAM	1	99	1	0	21.50	22.5
				256QAM	1	99	1	0	18.91	19.5
				QPSK	1	99	1	0	23.49	24.5
				16QAM	1	99	1	0	22.91	23.5
132522	1765	132639	1778.7	64QAM	1	99	1	0	21.48	22.5
				256QAM	1	99	1	0	18.86	19.5
				QPSK	1	99	1	0	23.87	24.5
16QAM				1	99	1	0	23.25	23.5	
132005	1713.3	132122	1725	16QAM	1	24	1	0	23.87	24.5
				64QAM	1	24	1	0	21.88	22.5
				256QAM	1	24	1	0	18.99	19.5
				QPSK	1	24	1	0	23.93	24.5
				16QAM	1	24	1	0	23.03	23.5
132330	1745.8	132447	1757.5	64QAM	1	24	1	0	21.48	22.5
				256QAM	1	24	1	0	18.85	19.5
				QPSK	1	24	1	0	23.81	24.5
				16QAM	1	24	1	0	22.90	23.5
				QPSK	1	24	1	0	23.87	24.5
132455	1758.3	132572	1770	64QAM	1	24	1	0	21.48	22.5
				256QAM	1	24	1	0	18.89	19.5
				QPSK	1	24	1	0	23.87	24.5
				16QAM	1	24	1	0	22.91	23.5
				QPSK	1	24	1	0	23.87	24.5

LTE Band 2 (Aur1)									
BW	Modulation	RB Size		RB Offset	Low		Mid	High	Max. Throughput (Mbps)
		Channel	Frequency (MHz)		1920	1980			
20M	QPSK	1	0	19.82	19.76	19.59	20.0		
		1	50	19.80	19.98	19.58	20.0		
		1	100	19.84	19.98	19.49	20.0		
		50	0	19.48	19.66	19.58	19.0		
		50	25	19.62	19.58	19.58	19.0		
		50	50	19.63	19.64	19.58	19.0		
		100	0	19.47	19.66	19.54	19.0		
		100	50	19.61	19.67	19.67	19.0		
		1	99	19.80	19.72	19.76	19.0		
		1	99	19.79	19.76	19.77	19.0		
20M	16QAM	50	0	19.48	19.47	19.49	19.0		
		50	25	19.49	19.50	19.48	19.0		
		50	50	19.47	19.50	19.58	19.0		
		100	0	19.63	19.61	19.49	19.0		
		1	0	19.82	19.68	19.84	19.0		
		1	50	19.81	19.79	19.84	19.0		
		1	99	19.78	19.77	19.84	19.0		
		50	0	19.48	19.65	19.64	19.0		
		50	25	19.58	19.65	19.65	19.0		
		100	0	19.58	19.65	19.60	19.0		
20M	64QAM	1	0	19.81	19.63	19.81	19.0		
		1	50	19.81	19.63	19.81	19.0		
		1	99	19.78	19.63	19.81	19.0		
		50	0	19.48	19.65	19.64	19.0		
		50	25	19.48	19.65	19.65	19.0		
		100	0	19.58	19.65	19.60	19.0		
		1	0	19.81	19.63	19.81	19.0		
		1	50	19.81	19.63	19.81	19.0		
		1	99	19.78	19.63	19.81	19.0		
		50	0	19.48	19.65	19.64	19.0		
20M	256QAM	1	0	19.81	19.63	19.81	19.0		
		1	50	19.81	19.63	19.81	19.0		
		1	99	19.78	19.63	19.81	19.0		
		50	0	19.48	19.65	19.64	19.0		
		50	25	19.48	19.65	19.65	19.0		
		100	0	19.58	19.65	19.60	19.0		
		1	0	19.81	19.63	19.81	19.0		
		1	50	19.81	19.63	19.81	19.0		
		1	99	19.78	19.63	19.81	19.0		
		50	0	19.48	19.65	19.64	19.0		
20M	Channel	Channel	Frequency (MHz)	1985	1980	1975	Max. Throughput (Mbps)	1985	1980
		1	37	19.57	19.56	19.50	20.0		
		1	74	19.44	19.38	19.49	20.0		
		38	0	19.45	19.61	19.60	19.0		
		38	19	19.48	19.60	19.48	19.0		
		38	38	19.48	19.60	19.44	19.0		
		75	0	19.53	19.45	19.59	19.0		
		1	0	19.80	19.64	19.62	19.0		
		1	37	19.72	19.60	19.60	19.0		
		38	0	19.45	19.60	19.70	19.0		
20M	QPSK	1	24	19.47	19.53	19.48	19.0		
		1	49	19.35	19.51	19.38	20.0		
		1	74	19.44	19.50	19.49	20.0		
		25	12	19.41	19.47	19.40	19.0		
		25	25	19.41	19.48	19.42	19.0		
		50	0	19.22	19.34	19.32	19.0		
		1	0	19.69	19.68	19.69	19.0		
		1	24	19.69	19.68	19.68	19.0		
		1	49	19.65	19.68	19.63	19.0		
		25	0	19.22	19.38	19.44	19.0		
20M	16QAM	1	0	19.69	19.68	19.69	19.0		
		1	24	19.69	19.68	19.68	19.0		
		1	49	19.65	19.68	19.63	19.0		
		25	0	19.22	19.38	19.44	19.0		
		25	12	19.41	19.38	19.40	19.0		
		25	25	19.32	19.33	19.33	19.0		
		1	0	19.72	19.65	19.72	19.0		
		1	24	19.70	19.66	19.70	19.0		
		1	49	19.65	19.68	19.63	19.0		
		25	0	19.22	19.38	19.44	19.0		
20M	64QAM	1	0	19.72	19.65	19.72	19.0		
		1	24	19.70	19.66	19.70	19.0		
		1	49	19.65	19.68	19.63	19.0		
		25	0	19.22	19.38	19.44	19.0		
		25	12	19.41	19.38	19.40	19.0		
		25	25	19.32	19.33	19.33	19.0		
		1	0	19.72	19.65	19.72	19.0		
		1	24	19.70	19.66	19.70	19.0		
		1	49	19.65	19.68	19.63	19.0		
		25	0	19.22	19.38	19.44	19.0		
20M	256QAM	1	0	19.72	19.65	19.72	19.0		
		1	24	19.70	19.66	19.70	19.0		
		1	49	19.65	19.68	19.63	19.0		
		25	0	19.22	19.38	19.44	19.0		
		25	12	19.41	19.38	19.40	19.0		
		25	25	19.32	19.33	19.33	19.0		
		1	0	19.72	19.65	19.72	19.0		
		1	24	19.70	19.66	19.70	19.0		
		1	49	19.65	19.68	19.63	19.0		
		25	0	19.22	19.38	19.44	19.0		
20M	Channel	Channel	Frequency (MHz)	1987.5	1985	1982.5	Max. Throughput (Mbps)	1987.5	1985
		1	0	19.35	19.54	19.43	20.0		
		1	49	19.47	19.51	19.44	20.0		
		1	49	19.35	19.51	19.38	20.0		
		25	0	19.29	19.43	19.43	19.0		
		25	12	19.41	19.47	19.41	19.0		
		25	25	19.41	19.49	19.42	19.0		
		50	0	19.22	19.34	19.32	19.0		
		1	0	19.69	19.70	19.68	19.0		
		1	24	19.69	19.70	19.68	19.0		
20M	QPSK	1	12	19.38	19.40	19.39	20.0		
		1	24	19.24	19.30	19.23	20.0		
		1	37	19.25	19.29	19.29	20.0		
		1	49	19.34	19.40	19.28	19.0		
		12	13	19.36	19.41	19.37	19.0		
		25	0	19.17	19.30	19.26	19.0		
		1	0	19.51	19.48	19.51	19.0		
		1	24	19.54	19.51	19.51	19.0		
		1	37	19.57	19.52	19.57	19.0		
		1	49	19.57	19.57	19.57	19.0		
20M	16QAM	1	0	19.51	19.48	19.51	19.0		
		1	24	19.54	19.51	19.51	19.0		
		1	37	19.57	19.52	19.57	19.0		
		1	49	19.57	19.57	19.57	19.0		
		12	0	19.23	19.37	19.31	19.0		
		12	8	19.38	19.31	19.40	19.0		
		12	13	19.27	19.32	19.32	19.0		
		1	0	19.69	19.70	19.68	19.0		
		1	24	19.69	19.70	19.68	19.0		
		1	49	19.65	19.68	19.63	19.0		
20M	64QAM	1	0	19.69	19.70	19.68	19.0		
		1	24	19.69	19.70	19.68	19.0		
		1	49	19.65	19.68	19.63	19.0		
		12	0	19.23	19.37	19.31	19.0		
		12	8	19.38	19.31	19.40	19.0		
		12	13	19.27	19.32	19.32	19.0		
		1	0	19.72	19.65	19.72	19.0		
		1	24	19.70	19.66	19.70	19.0		
		1	49	19.65	19.68	19.63	19.0		
		12	0	19.23	19.37	19.31	19.0		
20M	256QAM	1	0	19.72	19.65	19.72	19.0		
		1	24	19.70	19.66	19.70	19.0		
		1	49	19.65	19.68	19.63	19.0		
		12	0	19.23	19.37	19.31	19.0		
		12	8	19.38	19.31	19.40	19.0		
		12	13	19.27	19.32	19.32	19.0		
		1	0	19.72	19.65	19.72	19.0		
		1	24	19.70	19.66	19.70	19.0		
		1	49	19.65	19.68	19.63	19.0		
		12	0	19.23	19.37	19.31	19.0		
20M	Channel	Channel	Frequency (MHz)	1987.5	1985	1982.5	Max. Throughput (Mbps)	1987.5	1985
		1	0	19.35	19.54	19.43	20.0		
		1	49	19.47	19.51	19.44	20.0		
		1	49	19.35	19.51	19.38	20.0		
		25	0	19.29	19.43	19.43	19.0		
		25	12	19.41	19.47	19.41	19.0		
		25	25	19.41	19.49	19.42	19.0		
		50	0	19.22	19.34	19.32	19.0		
		1	0	19.69	19.70	19.68	19.0		
		1	24	19.69	19.70	19.68	19.0		
20M	QPSK	1	0	19.38	19.40	19.39	20.0		
		1	7	19.35	19.25	19.23	20.0		
		1	14	19.12	19.24	19.19	20.0		
		8	0	19.18	19.13	19.18	19.0		
		8	3	19.27	19.30	19.14	19.0		
		8	7	19.22	19.31	19.22	19.0		
		15	0	19.14	19.22	19.28	19.0		
		1	0	19.50	19.36	19.50	19.0		
		1	7	19.40	19.50	19.39	19.0		
		1	14	19.50	19.42	19.42	19.0		
20M	16QAM	1	0	19.50	19.36	19.50	19.0		
		1	7	19.40	19.50	19.39	19.0		
		1	14	19.50	19.42	19.42	19.0		
		8	0	19.17	19.19	19.17	19.0		
		8	3	19.27	19.30	19.14	19.0		
		8	7	19.22	19.31	19.22	19.0		
		15	0	19.14	19.22	19.28	19.0		
		1	0	19.50	19.36	19.50	19.0		
		1	7	19.40	19.50	19.39	19.0		
		1	14	19.50	19.42	19.42	19.0		
20M	64QAM	1	0	19.50	19.36	19.50	19.0		
		1	7	19.40	19.50	19.39	19.0		
		1	14	19.50	19.42	19.42	19.0		
		8	0	19.17	19.19	19.17	19.0		
		8	3	19.27	19.30	19.14	19.0		
		8	7	19.22	19.31	19.22	19.0		
		15	0	19.14	19.22	19.28	19.0		
		1	0	19.50	19.36	19.50	19.0		
		1	7	19.40	19.50	19.39	19.0		
		1	14	19.50	19.42	19.42	19.0		
20M	256QAM	1	0	19.50	19.36	19.50	19.0		
		1	7	19.40	19.50	19.39	19.0		
		1	14	19.50	19.42	19.42	19.0		
		8	0	19.17	19.19				

LTE Band 4 (AnTt)									
SR	Modulation	RB Size	RB Offset	Low	Mid	High	Max. Time-up (MHz)		
Channel									
Frequency (MHz)									
GPRS	1	0	19.84	19.89	19.99	19.71	21		
	1	50	19.91	19.97	19.98	21			
	1	99	19.99	19.99	19.99	21			
	50	0	19.97	19.92	19.88	20			
	50	25	19.95	19.95	19.95	20			
	50	50	19.98	19.94	19.97	20			
	100	0	19.89	19.87	19.82	20			
	1	50	19.97	19.93	19.91	19.43	20		
	1	99	19.85	19.93	19.97	19.43	20		
	1	99	19.84	19.92	19.97	19.43	20		
HSPA	50	0	17.82	17.82	17.81	17.48	19		
	50	25	17.76	17.54	17.66	19			
	100	0	17.39	17.28	17.29	19			
	1	0	17.98	17.99	17.99	19			
	1	50	17.94	17.95	17.99	19			
	1	99	17.95	17.95	17.97	19			
	50	0	16.93	16.92	16.93	18			
	50	25	16.99	16.97	16.98	18			
	100	0	16.87	16.85	16.83	18			
	1	0	16.98	16.98	16.98	18			
ZCRQ	1	0	14.95	14.95	14.97	18			
	1	50	14.90	14.90	14.95	18			
	1	99	14.47	14.52	14.50	18			
	50	0	14.92	14.93	14.93	18			
	50	25	14.81	14.67	14.62	18			
	50	50	14.93	14.87	14.88	18			
	100	0	14.86	14.84	14.85	18			
	1	0	14.95	14.95	14.95	18			
	1	50	14.90	14.90	14.95	18			
	1	99	14.47	14.52	14.50	18			
Channel									
Frequency (MHz)									
GPRS	1	0	19.32	19.38	19.69	19.21	21		
	1	37	19.38	19.39	19.86	19.21	21		
	1	74	19.47	19.42	19.98	19.21	21		
	38	0	19.47	19.81	19.48	19.21	20		
	38	0	19.44	19.87	19.47	19.21	20		
	38	39	19.81	19.93	19.48	19.21	20		
	75	0	19.41	19.82	19.45	19.21	20		
	1	0	19.98	19.98	19.99	19.21	20		
	1	37	19.37	19.39	19.30	19.21	20		
	1	74	19.33	19.33	19.37	19.21	20		
HSPA	38	0	17.51	17.28	17.48	17.26	19		
	38	19	17.57	17.38	17.36	19			
	38	0	17.49	17.49	17.49	19			
	75	0	17.29	17.34	17.18	19			
	1	0	17.42	17.43	17.46	19			
	1	37	17.49	17.81	17.63	19			
	1	74	17.58	17.81	17.63	19			
	38	0	16.41	16.50	16.40	18			
	38	19	16.87	16.92	16.36	18			
	38	39	16.94	16.99	16.53	18			
ZCRQ	75	0	16.44	16.34	16.47	18			
	1	0	14.92	14.92	14.92	18			
	1	74	14.34	14.50	14.38	18			
	38	0	14.44	14.41	14.40	18			
	38	0	14.46	14.46	14.46	18			
	38	39	14.80	14.54	14.59	18			
	75	0	14.61	14.48	14.48	18			
Channel									
Frequency (MHz)									
GPRS	1	0	19.38	19.49	19.91	19.21	21		
	1	24	19.32	19.34	19.86	19.21	21		
	1	49	19.46	19.28	19.94	19.21	21		
	25	0	19.37	19.63	19.45	19.21	20		
	25	0	19.34	19.46	19.39	19.21	20		
	25	25	19.33	19.49	19.42	19.21	20		
	50	0	19.29	19.31	19.35	19.21	20		
	1	24	19.25	19.24	19.22	19.21	20		
	1	49	19.32	19.13	19.21	19.21	20		
	50	0	17.48	17.44	17.42	19			
HSPA	25	12	17.45	17.30	17.25	19			
	25	25	17.52	17.29	17.49	19			
	50	0	17.23	17.33	17.06	19			
	1	0	17.39	17.39	17.33	19			
	1	24	17.38	17.69	17.55	19			
	1	49	17.57	17.79	17.60	19			
	25	0	16.40	16.40	16.34	18			
	25	0	16.42	16.42	16.36	18			
	25	25	16.34	16.40	16.40	18			
	50	0	16.31	16.19	16.34	18			
ZCRQ	1	0	14.92	14.92	14.93	18			
	1	24	14.33	14.39	14.40	18			
	1	49	14.25	14.42	14.29	18			
	25	0	14.32	14.39	14.37	18			
	25	12	14.35	14.50	14.47	18			
	25	25	14.58	14.47	14.50	18			
	50	0	14.48	14.46	14.55	18			
Channel									
Frequency (MHz)									
GPRS	1	12	19.21	19.22	19.58	19.21	21		
	1	24	19.40	19.27	19.48	19.21	21		
	1	14	19.35	19.26	19.41	19.21	21		
	12	6	19.43	19.81	19.21	20			
	12	13	19.97	19.45	19.39	19.21	20		
	25	0	19.13	19.28	19.23	19.21	20		
	1	0	19.42	19.18	19.14	19.21	20		
	1	24	19.15	19.29	19.16	19.21	20		
	1	24	19.25	19.03	19.16	19.21	20		
	13	0	17.43	17.11	17.33	19			
HSPA	12	0	17.33	17.23	17.12	19			
	12	13	17.45	17.21	17.41	19			
	25	0	17.16	17.30	16.97	19			
	1	0	17.28	17.74	17.49	19			
	1	12	17.36	17.60	17.52	19			
	1	24	17.47	17.69	17.49	19			
	12	0	16.27	16.47	16.29	18			
	12	6	16.27	16.40	16.24	18			
	12	13	16.21	16.36	16.30	18			
	25	0	16.30	16.30	16.30	18			
ZCRQ	1	0	14.10	14.10	14.20	18			
	1	12	14.33	14.31	14.37	18			
	1	24	14.22	14.30	14.22	18			
	13	0	14.18	14.28	14.23	18			
	13	1	14.44	14.37	14.44	18			
	12	13	14.52	14.30	14.32	18			
	25	0	14.44	14.41	14.42	18			
Channel									
Frequency (MHz)									
GPRS	1	0	19.33	19.41	19.34	19.21	21		
	1	0	19.34	19.25	19.45	19.21	21		
	1	14	19.35	19.26	19.41	19.21	21		
	8	0	19.30	19.39	19.26	20			
	8	0	19.41	19.01	19.30	20			
	8	7	19.14	19.32	19.29	20			
	15	0	19.34	19.22	19.15	20			
	1	0	19.45	19.09	19.00	20			
	1	7	19.13	19.15	19.00	20			
	1	14	19.52	19.02	19.10	20			
HSPA	8	0	17.34	17.69	17.26	19			
	8	3	17.23	17.14	17.09	19			
	8	0	17.35	17.16	17.34	19			
	15	0	17.08	17.25	16.85	19			
	1	0	17.27	17.68	17.39	19			
	1	0	17.30	17.63	17.44	19			
	1	14	17.33	17.54	17.44	19			
	8	0	16.13	16.39	16.19	18			
	8	3	16.13	16.27	16.16	18			
	8	7	16.11	16.20	16.37	18			
ZCRQ	15	0	16.24	16.39	16.09	18			
	1	0	14.19	14.18	14.19	18			
	1	7	14.15	14.21	14.22	18			
	1	14	14.15	14.24	14.10	18			
	8	0	14.03	14.10	14.22	18			
	8	3	14.39	14.30	14.34	18			
	8	7	14.44	14.20	14.37	18			
	15	0	14.42	14.52	14.30	18			
Channel									
Frequency (MHz)									
GPRS	1	0	19.53	19.55	19.67	21			
	1	2	19.63	19.63	19.64	21			
	1	5	19.59	19.59	19.51	21			
	3	0	19.38	19.47	19.39	21			
HSPA	3	1	19.28	19.33	19.40	21			
	3	3	19.39	19.42	19.47	21			
	8	0	19.45	19.54	19.50	20			
	8	0	19.58	19.58	19.59	20			
ZCRQ	1	2	18.46	18.31	18.28	20			
	3	1	18.43	18.36	18.37	20			
	3	0	17.33	17.33	17.33	20			
	3	1	18.36	18.30	18.30	20			
ZCRQ	3	1	18.50	18.45	18.41	20			
	3	0	17.39	17.37	17.37	20			
	3	0	17.55	17.55	17.55	20			
	3	0	17.43	17.76	17.77	20			
HSPA	3	1	17.71	17.86	17.71	20			
	3	3	17.38	17.45	17.48	20			
	3	0	16.51	16.56	16.51	18			
	3	0	15.96	16.00	16.00	18			
ZCRQ	1	2	14.11	14.21	14.04	18			
	1	5	14.02	14.03	14.22	18			
	1	0	14.14	14.13	14.13	18			
	3	1	14.21	14.42	14.04	18			
ZCRQ	3	1	14.23	14.15	14.37	18			
	3	0	14.05	14.05	14.05	18			
	3	0	14.14	14.14	14.14	18			
	3	1	14.21	14.42	14.04	18			

LTE Band 13 (Aar2)									
BW	Modulation	RB Size		RB Offset		Mid	Max. Twp-up (MHz)		
		Channel		Channel					
		Frequency (MHz)		Frequency (MHz)					
GSM	QPSK	1	0	24.10	24.10	25.5			
		1	24	24.11	24.11	25.5			
		1	48	24.12	24.12	25.5			
		25	0	23.99	23.99	24.5			
		25	25	23.99	23.99	24.5			
	16QAM	50	0	23.98	23.98	24.5			
		1	24	24.13	24.13	24.5			
		1	49	24.14	24.14	24.5			
		25	12	22.94	22.94	23.5			
		25	25	22.94	22.94	23.5			
10M	QPSK	1	0	22.18	22.18	23.5			
		1	24	22.19	22.19	23.5			
		1	49	22.22	22.22	23.5			
		25	0	21.99	21.99	22.5			
		25	25	21.99	21.99	22.5			
	16QAM	50	0	21.98	21.98	22.5			
		1	24	22.21	22.21	23.5			
		1	49	22.22	22.22	23.5			
		25	12	21.94	21.94	22.5			
		25	25	21.94	21.94	22.5			
20M	QPSK	1	0	20.16	20.16	21.5			
		1	24	20.17	20.17	21.5			
		1	49	20.18	20.18	21.5			
		25	12	19.12	19.12	20.5			
		25	25	19.13	19.13	20.5			
	16QAM	50	0	19.10	19.10	20.5			
		1	24	20.19	20.19	21.5			
		1	49	20.20	20.20	21.5			
		25	12	19.14	19.14	20.5			
		25	25	19.14	19.14	20.5			
30M	QPSK	1	0	18.14	18.14	19.5			
		1	24	18.15	18.15	19.5			
		1	49	18.16	18.16	19.5			
		25	12	17.12	17.12	18.5			
		25	25	17.13	17.13	18.5			
	16QAM	50	0	17.10	17.10	18.5			
		1	24	18.17	18.17	19.5			
		1	49	18.18	18.18	19.5			
		25	12	17.14	17.14	18.5			
		25	25	17.14	17.14	18.5			
40M	QPSK	1	0	16.12	16.12	17.5			
		1	24	16.13	16.13	17.5			
		1	49	16.14	16.14	17.5			
		25	12	15.12	15.12	16.5			
		25	25	15.13	15.13	16.5			
	16QAM	50	0	15.10	15.10	16.5			
		1	24	16.15	16.15	17.5			
		1	49	16.16	16.16	17.5			
		25	12	15.14	15.14	16.5			
		25	25	15.14	15.14	16.5			
50M	QPSK	1	0	14.10	14.10	15.5			
		1	24	14.11	14.11	15.5			
		1	49	14.12	14.12	15.5			
		25	12	13.12	13.12	14.5			
		25	25	13.13	13.13	14.5			
	16QAM	50	0	13.10	13.10	14.5			
		1	24	14.13	14.13	15.5			
		1	49	14.14	14.14	15.5			
		25	12	13.14	13.14	14.5			
		25	25	13.14	13.14	14.5			

LTE Band 66 (Aar1)											
BW	Modulation	RB Size		RB Offset		Mid	Max. Twp-up (MHz)		Max. Twp-up (MHz)		
		Channel		Channel			1200				
		Frequency (MHz)		Frequency (MHz)			1764	1764			
5M	QPSK	1	0	16.62	16.62	18.0					
		1	50	16.63	16.63	18.0					
		1	99	16.64	16.64	18.0					
		50	0	17.60	17.60	17.0					
		50	50	17.61	17.61	17.0					
	16QAM	100	0	17.60	17.60	17.0					
		1	50	17.62	17.62	17.0					
		1	99	17.63	17.63	17.0					
		50	25	16.61	16.61	16.5					
		50	50	16.62	16.62	16.5					
10M	QPSK	1	0	16.76	16.76	18.0					
		1	50	16.77	16.77	18.0					
		1	99	16.78	16.78	18.0					
		50	0	15.69	15.69	16.5					
		50	50	15.70	15.70	16.5					
	16QAM	100	0	15.69	15.69	16.5					
		1	50	16.79	16.79	18.0					
		1	99	16.80	16.80	18.0					
		50	25	15.71	15.71	16.5					
		50	50	15.72	15.72	16.5					
20M	QPSK	1	0	13.68	13.68	15.0					
		1	50	13.69	13.69	15.0					
		1	99	13.70	13.70	15.0					
		50	25	13.71	13.71	14.5					
		50	50	13.72	13.72	14.5					
	16QAM	100	0	13.68	13.68	15.0					
		1	50	13.73	13.73	15.0					
		1	99	13.74	13.74	15.0					
		50	25	13.75	13.75	14.5					
		50	50	13.76	13.76	14.5					
30M	QPSK	1	0	11.66	11.66	13.0					
		1	50	11.67	11.67	13.0					
		1	99	11.68	11.68	13.0					
		50	25	11.69	11.69	12.5					
		50	50	11.70	11.70	12.5					
	16QAM	100	0	11.66	11.66	13.0					
		1	50	11.71	11.71	13.0					
		1	99	11.72	11.72	13.0					
		50	25	11.73	11.73	12.5					
		50	50	11.74	11.74	12.5					
40M	QPSK	1	0	9.64	9.64	11.0					
		1	50	9.65	9.65	11.0					
		1	99	9.66	9.66	11.0					
		50	25	9.67	9.67	10.5					
		50	50	9.68	9.68	10.5					
	16QAM	100	0	9.64	9.64	11.0					
		1	50	9.69	9.69	11.0					
		1	99	9.70	9.70	11.0					
		50	25	9.71	9.71	10.5					
		50	50	9.72	9.72	10.5					
50M	QPSK	1	0	7.62	7.62	9.0					
		1	50	7.63	7.63	9.0					
		1	99	7.64	7.64	9.0					
		50	25	7.65	7.65	8.5					
		50	50	7.66	7.66	8.5					
	16QAM	100	0	7.62	7.62	9.0					
		1	50	7.67	7.67	9.0					
		1	99	7.68	7.68	9.0					
		50	25	7.69	7.69	8.5					
		50	50	7.70	7.70	8.5					

LTE Band 66 (Aar2)									
BW	Modulation	RB Size		RB Offset		Low	Mid	High	Max. Twp-up (MHz)
		Channel		Channel					
		Frequency (MHz)	1764	1764	1764				
GSM	QPSK	1	0	16.77	16.77	18.0	19.0	20.0	21.0
		1	50	16.78	16.78	18.0	19.0	20.0	21.0
		1	99	16.79	16.79	18.0	19.0	20.0	21.0
		50	0	16.82	16.82	18.5	19.5	20.5	21.5
		50	50	16.83	16.83	18.5	19.5	20.5	21.5
	16QAM	50	50	16.87	16.87	18.5	19.5	20.5	21.5
		1	50	16.88	16.88	19.0	20.0	21.0	22.0
		1	99	16.88	16.87	19.5	20.5	21.5	22.5
		50	1	17.25	17.25	19.5	20.5	21.5	22.5
		50	25	17.43	17.43	17.43	17.43	17.43	17.43
20M	QPSK	50	50	17.47	17.47	17.47	17.47	17.47	17.47
		1	50	17.47	17.46	17.41	17.41	17.41	17.41
		1	99	17.43	17.42	17.37	17.37	17.37	17.37
		50	1	17.73	17.72	17.68	17.68	17.68	17.68
		50	50	17.73	17.72	17.68	17.68	17.68	17.68
	16QAM	50	50	17.72	17.76	17.76	17.76	17.76	17.76
		1	50	16.48	16.43	17.50	17.50	17.50	17.50
		50	25	16.56	16.56	17.50	17.50	17.50	17.50
		50	50	16.56	16.47	17.50	17.50	17.50	17.50
		1	50	16.56	16.56	17.50	17.50	17.50	17.50
2500M	QPSK	1	50	14.10	14.26	14.35	14.35	14.35	14.35
		1	50	14.26	14.35	14.35	14.35	14.35	14.35
		1	50	14.51	14.51	14.50	14.50	14.50	14.50
		50	25	14.47	14.62	14.53	14.53	14.53	14.53
		50	50	14.62	14.58	14.53	14.53	14.53	14.53
	16QAM	50	50	14.60	14.54	14.64	14.64	14.64	14.64
		1	50	14.60	14.54	14.64	14.64	14.64	14.64
		1	50	14.60	14.54	14.64	14.64	14.64	14.64
		1	50	14.60	14.54	14.64	14.64	14.64	14.64
		1	50	14.60	14.54	14.64	14.64	14.64	14.64
50M	BPSK	1	37	18.96	19.51	19.91	20.01	20.11	20.21
		1	37	19.03	19.49	19.81	19.81	19.91	20.01
		1	37	19.10	19.46	19.65	19.65	19.75	19.85
		1	37	19.17	19.43	19.52	19.52	19.62	19.72
		1	37	19.24	19.40	19.49	19.49	19.59	19.69
	16QAM	1	74	18.36	18.62	18.81	18.81	18.91	19.01
		1	74	18.43	18.58	18.74	18.74	18.84	18.94
		1	74	18.50	18.50	18.65	18.65	18.75	18.85
		1	74	18.57	18.37	18.37	18.37	18.47	18.57
		1	74	18.64	18.33	18.33	18.33	18.43	18.53
15M	QPSK	1	37	17.93	17.74	17.55	17.55	17.65	17.75
		1	37	17.93	17.74	17.55	17.55	17.65	17.75
		1	37	17.93	17.74	17.55	17.55	17.65	17.75
		1	37	17.93	17.74	17.55	17.55	17.65	17.75
		1	37	17.93	17.74	17.55	17.55	17.65	17.75
	16QAM	1	37	17.93	17.74	17.55	17.55	17.65	17.75
		1	37	17.93	17.74	17.55	17.55	17.65	17.75
		1	37	17.93	17.74	17.55	17.55	17.65	17.75
		1	37	17.93	17.74	17.55	17.55	17.65	17.75
		1	37	17.93	17.74	17.55	17.55	17.65	17.75
2500M	QPSK	1	37	14.21	14.14	14.21	14.21	14.21	14.21
		1	37	14.21	14.14	14.21	14.21	14.21	14.21
		1	37	14.21	14.14	14.21	14.21	14.21	14.21
		1	37	14.21	14.14	14.21	14.21	14.21	14.21
		1	37	14.21	14.14	14.21	14.21	14.21	14.21
	16QAM	1	37	14.21	14.14	14.21	14.21	14.21	14.21
		1	37	14.21	14.14	14.21	14.21	14.21	14.21
		1	37	14.21	14.14	14.21	14.21	14.21	14.21
		1	37	14.21	14.14	14.21	14.21	14.21	14.21
		1	37	14.21	14.14	14.21	14.21	14.21	14.21

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Size	RB Offset	Channel	372000	376000	380000
		Frequency (MHz)			1860	1880	1900
							Max. Tune-up (dBm)
20M	DFT-s-OFDM P/2 BPSK	1	1	23.33	23.30	23.33	24.5
		1	53	23.24	23.33	23.24	24.5
		1	104	23.23	23.29	23.12	24.5
		50	0	23.36	23.35	23.34	24.5
		50	28	23.35	23.30	23.38	24.5
		50	56	23.38	23.33	23.32	24.5
	DFT-s-OFDM QPSK	100	0	23.37	23.31	23.37	24.5
		1	1	23.38	23.39	23.37	24.5
		1	53	23.26	23.37	23.36	24.5
		1	104	23.25	23.29	23.28	24.5
		50	0	22.82	22.92	22.84	23.5
		50	28	23.33	23.37	23.36	24.5
	DFT-s-OFDM 16QAM	50	56	22.91	22.92	22.84	23.5
		100	0	22.93	22.95	22.90	23.5
		1	1	21.94	22.86	22.97	23.5
		1	1	21.39	21.57	20.95	22.5
		1	1	19.38	18.84	18.82	20.5
		1	1	19.38	18.84	18.82	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	23.34	23.32	23.36	24.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	23.32	23.35	23.34	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	23.31	23.33	23.35	24.5

n2 (SCS 15 kHz) (Ant5)							
BW	MCS Index	RB Size	RB Offset	Channel	372000	376000	380000
		Frequency (MHz)			1860	1880	1900
							Max. Tune-up (dBm)
20M	DFT-s-OFDM P/2 BPSK	1	1	17.99	18.09	17.97	19
		1	53	18.02	18.10	17.94	19
		1	104	17.95	18.01	18.08	19
		50	0	17.48	17.56	17.46	19
		50	28	18.08	17.94	17.88	19
		50	56	17.56	17.36	17.40	19
	DFT-s-OFDM QPSK	100	0	17.46	17.47	17.40	19
		1	1	18.10	18.15	18.09	19
		1	53	17.98	18.08	17.92	19
		1	104	17.85	17.86	17.84	19
		50	0	17.00	17.05	16.83	18
		50	28	17.95	18.06	17.96	19
	DFT-s-OFDM 16QAM	50	56	16.98	16.90	16.93	18
		100	0	16.98	17.00	16.99	18
		1	1	17.12	17.17	17.05	18
		1	1	15.69	15.77	15.63	17
		1	1	13.64	13.79	13.57	15
		1	1	13.64	13.79	13.57	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	17.95	18.06	18.00	19
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	17.94	18.09	18.07	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	18.02	17.98	17.98	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 P/V2 BPSK	1	1	23.26	23.27	23.25	24.5
		1	53	23.23	23.35	23.29	24.5
		1	104	23.28	23.29	23.21	24.5
		50	0	23.35	23.40	23.36	24.5
		50	28	23.30	23.44	23.37	24.5
		50	56	23.37	23.42	23.45	24.5
	DFT-s-OFDM QPSK	100	0	23.32	23.47	23.39	24.5
		1	1	23.42	23.48	23.38	24.5
		1	53	23.32	23.33	23.32	24.5
		1	104	23.41	23.44	23.36	24.5
		50	0	23.37	23.45	23.33	24.5
		50	28	23.41	23.47	23.39	24.5
	DFT-s-OFDM 16QAM	50	56	23.32	23.39	23.38	24.5
		100	0	23.42	23.46	23.43	24.5
		1	1	23.46	23.44	23.45	24.5
		1	1	21.38	21.49	21.50	22.5
		1	1	19.32	19.41	19.34	20.5
		1	1	19.32	19.41	19.34	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	23.40	23.32	23.39	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	23.41	23.34	23.35	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	23.38	23.34	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/V2 BPSK	1	1	23.66	23.76	23.77	24.5
		1	108	23.69	23.58	23.71	24.5
		1	214	23.73	23.62	23.77	24.5
		108	0	23.01	23.04	22.95	24
		108	54	23.61	23.56	23.73	24.5
		108	108	22.95	22.93	22.73	24
	DFT-s-OFDM QPSK	216	0	22.92	22.97	22.88	24
		1	1	23.68	23.79	23.76	24.5
		1	108	23.58	23.62	23.73	24.5
		1	214	23.62	23.72	23.61	24.5
		108	0	22.97	22.94	23.02	24
		108	54	23.48	23.67	23.59	24.5
	DFT-s-OFDM 16QAM	108	108	22.91	22.97	22.82	24
		216	0	22.88	23.02	22.86	24
		1	1	23.09	23.18	23.07	24
		1	1	20.95	21.03	20.99	22
		1	1	18.72	18.71	18.70	20
		1	1	18.72	18.71	18.70	20
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	23.65	23.73	23.53	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	23.64	23.69	23.55	24.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	23.62	23.59	23.56	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	23.61	23.63	23.54	24.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	23.66	23.66	23.50	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	23.64	23.71	23.52	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	19.85	19.70	19.78	20.5
		1	108	19.70	19.83	19.83	20.5
		1	214	19.84	19.75	19.83	20.5
		108	0	19.34	19.41	19.35	20
		108	54	19.70	19.76	19.74	20.5
		108	108	19.39	19.24	19.21	20
		216	0	19.38	19.37	19.30	20
	DFT-s-OFDM QPSK	1	1	19.78	19.89	19.88	20.5
		1	108	19.83	19.85	19.73	20.5
		1	214	19.75	19.79	19.72	20.5
		108	0	18.87	18.97	18.85	20
		108	54	19.73	19.81	19.78	20.5
		108	108	18.76	18.68	18.78	20
		216	0	18.91	18.94	18.84	20
	DFT-s-OFDM 16QAM	1	1	18.91	18.92	18.85	20
	DFT-s-OFDM 64QAM	1	1	17.53	17.52	17.49	18
	DFT-s-OFDM 256QAM	1	1	15.37	15.31	15.35	16
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	19.77	19.81	19.85	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	19.74	19.72	19.83	20.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	19.69	19.66	19.83	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	19.62	19.73	19.81	20.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	19.64	19.76	19.79	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	19.63	19.74	19.83	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		14.03		15.5
		1	137		13.72		15.5
		1	271		13.89		15.5
		135	0		13.94		15.5
		135	69		13.95		15.5
		135	138		13.80		15.5
		270	0		13.91		15.5
	DFT-s-OFDM QPSK	1	1		14.26		15.5
		1	137		14.01		15.5
		1	271		14.00		15.5
		135	0		14.15		15.5
		135	69		14.21		15.5
		135	138		13.93		15.5
		270	0		14.11		15.5
	DFT-s-OFDM 16QAM	1	1		14.25		15.5
	DFT-s-OFDM 64QAM	1	1		13.90		14.5
	DFT-s-OFDM 256QAM	1	1		12.28		13
BW	MCS Index	Channel		633000	63334	63366	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	14.10	14.23	14.00	15.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	14.13	14.22	13.99	15.5
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	14.14	14.12	13.94	15.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	14.18	14.22	13.95	15.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	14.10	14.15	14.01	15.5
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	14.19	14.26	14.00	15.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	14.19	14.26	14.00	15.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	14.24	14.21	13.99	15.5
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	14.13	14.15	14.04	15.5
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	14.21	14.23	13.91	15.5
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	14.22	14.16	13.91	15.5

0.60

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	13.59	13.68	13.80	15.5
		1	137	13.63	13.81	14.05	15.5
		1	271	13.80	13.90	13.56	15.5
		135	0	13.70	13.78	13.93	15.5
		135	69	13.58	13.80	14.12	15.5
		135	138	13.74	13.84	14.24	15.5
		270	0	13.70	13.88	14.17	15.5
	DFT-s-OFDM QPSK	1	1	13.99	14.17	14.30	15.5
		1	137	13.69	13.94	14.08	15.5
		1	271	13.90	14.04	14.24	15.5
		135	0	13.90	13.89	14.04	15.5
		135	69	13.95	14.11	14.22	15.5
		135	138	13.81	13.95	14.17	15.5
		270	0	13.93	13.90	14.09	15.5
	DFT-s-OFDM 16QAM	1	1	13.71	13.74	14.04	15.5
	DFT-s-OFDM 64QAM	1	1	13.51	13.42	13.81	14.5
	DFT-s-OFDM 256QAM	1	1	11.73	11.67	12.14	13
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	13.86	13.70	13.93	15.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	13.75	13.66	13.88	15.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	13.72	13.59	13.85	15.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	13.77	13.59	13.84	15.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	13.76	13.60	13.82	15.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	13.80	13.61	13.85	15.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	13.78	13.67	13.82	15.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	13.82	13.68	13.83	15.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	13.73	13.57	13.79	15.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	13.75	13.68	13.86	15.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	13.72	13.69	13.79	15.5

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		16.91		18.5
		1	137		16.81		18.5
		1	271		16.78		18.5
		135	0		16.42		18
		135	69		16.94		18.5
		135	138		16.28		18
		270	0		16.34		18
	DFT-s-OFDM QPSK	1	1		16.96		18.5
		1	137		16.78		18.5
		1	271		16.78		18.5
		135	0		15.87		17.5
		135	69		16.93		18.5
		135	138		15.82		17.5
		270	0		15.86		17.5
	DFT-s-OFDM 16QAM	1	1		16.09		17.5
	DFT-s-OFDM 64QAM	1	1		14.31		15
	DFT-s-OFDM 256QAM	1	1		12.03		13
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	16.79	16.95	16.82	18.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	DFT-s-OFDM QPSK	1	1	16.69	16.86	16.74	18.5
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	16.68	16.86	16.73	18.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	DFT-s-OFDM QPSK	1	1	16.65	16.86	16.75	18.5
BW	MCS Index	Channel		631668	633334	635000	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3525	
50M	DFT-s-OFDM QPSK	1	1	16.76	16.83	16.79	18.5
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	16.69	16.90	16.69	18.5
BW	MCS Index	Channel		631000	633334	635666	Max. Tune-up
		Frequency (MHz)		3465	3500.01	3534.99	
30M	DFT-s-OFDM QPSK	1	1	16.78	16.91	16.68	18.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	DFT-s-OFDM QPSK	1	1	16.67	16.82	16.67	18.5
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	16.68	16.84	16.77	18.5
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	16.70	16.89	16.74	18.5
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	16.64	16.87	16.71	18.5

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	16.88	16.80	16.84	18.5
		1	137	16.77	16.87	17.05	18.5
		1	271	16.61	16.96	17.15	18.5
		135	0	16.20	16.28	16.39	18
		135	69	16.64	16.90	17.11	18.5
		135	138	16.17	16.44	16.68	18
		270	0	16.07	16.36	16.60	18
	DFT-s-OFDM QPSK	1	1	17.01	17.04	17.16	18.5
		1	137	16.89	16.80	17.00	18.5
		1	271	16.69	16.89	17.05	18.5
		135	0	15.69	15.74	16.10	17.5
		135	69	16.66	16.84	17.08	18.5
		135	138	15.67	15.92	16.05	17.5
		270	0	15.56	15.86	16.11	17.5
	DFT-s-OFDM 16QAM	1	1	15.72	15.90	15.89	17.5
	DFT-s-OFDM 64QAM	1	1	13.77	13.87	13.98	15
	DFT-s-OFDM 256QAM	1	1	11.55	11.68	11.90	13
BW	MCS Index	Channel		649668	656000	662332	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.98	
90M	DFT-s-OFDM QPSK	1	1	16.87	16.72	17.06	18.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	DFT-s-OFDM QPSK	1	1	16.73	16.66	16.97	18.5
BW	MCS Index	Channel		649000	656000	663000	Max. Tune-up
		Frequency (MHz)		3735	3840	3945	
70M	DFT-s-OFDM QPSK	1	1	16.79	16.71	17.01	18.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	DFT-s-OFDM QPSK	1	1	16.85	16.58	17.05	18.5
BW	MCS Index	Channel		648334	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.01	3840	3954.99	
50M	DFT-s-OFDM QPSK	1	1	16.75	16.69	16.93	18.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	DFT-s-OFDM QPSK	1	1	16.73	16.66	17.05	18.5
BW	MCS Index	Channel		647668	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.02	3840	3964.98	
30M	DFT-s-OFDM QPSK	1	1	16.76	16.58	17.03	18.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	DFT-s-OFDM QPSK	1	1	16.86	16.69	16.97	18.5
BW	MCS Index	Channel		647168	656000	664832	Max. Tune-up
		Frequency (MHz)		3707.52	3840	3972.48	
15M	DFT-s-OFDM QPSK	1	1	16.78	16.58	17.01	18.5
BW	MCS Index	Channel		647000	656000	665000	Max. Tune-up
		Frequency (MHz)		3705	3840	3975	
10M	DFT-s-OFDM QPSK	1	1	16.78	16.57	16.93	18.5
BW	MCS Index	Channel		646834	656000	665166	Max. Tune-up
		Frequency (MHz)		3702.51	3840	3977.49	
5M	DFT-s-OFDM QPSK	1	1	16.76	16.58	17.05	27.5

CA 5B (Ant2)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power
20450	829	20549	838.9	QPSK	1	49	1	0	1	2476	25.5
				16QAM	1	49	1	0	1	2392	24.5
				64QAM	1	49	1	0	1	2361	23.5
				256QAM	1	49	1	0	1	1673	20.5
				QPSK	1	49	1	0	1	2473	25.5
20478	831.6	20575	841.5	16QAM	1	49	1	0	1	2393	24.5
				64QAM	1	49	1	0	1	2344	23.5
				256QAM	1	49	1	0	1	1982	20.5
				QPSK	1	49	1	0	1	2402	25.5
				16QAM	1	49	1	0	1	2391	24.5
20501	834.1	20600	844	64QAM	1	49	1	0	1	2226	23.5
				256QAM	1	49	1	0	1	1978	20.5
				QPSK	1	49	1	0	1	2381	24.5
				16QAM	1	49	1	0	1	2381	24.5
				256QAM	1	49	1	0	1	1954	20.5
Combination 10MHz+5MHz (50RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power
20450	829	20522	836.2	QPSK	1	49	1	0	1	2458	25.5
				16QAM	1	49	1	0	1	2381	24.5
				64QAM	1	49	1	0	1	2248	23.5
				256QAM	1	49	1	0	1	1949	20.5
				QPSK	1	49	1	0	1	2453	25.5
20500	834	20572	841.2	16QAM	1	49	1	0	1	2383	24.5
				64QAM	1	49	1	0	1	2237	23.5
				256QAM	1	49	1	0	1	1983	20.5
				QPSK	1	49	1	0	1	2446	25.5
				16QAM	1	49	1	0	1	2370	24.5
20550	839	20622	846.2	64QAM	1	49	1	0	1	2213	23.5
				256QAM	1	49	1	0	1	1954	20.5
				QPSK	1	49	1	0	1	2458	25.5
				16QAM	1	49	1	0	1	2340	24.5
				64QAM	1	49	1	0	1	2213	23.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power
20428	828.8	20500	834	QPSK	1	24	1	0	1	2454	25.5
				16QAM	1	24	1	0	1	2382	24.5
				64QAM	1	24	1	0	1	2355	23.5
				256QAM	1	24	1	0	1	1930	20.5
				QPSK	1	24	1	0	1	2455	25.5
20478	831.8	20550	839	16QAM	1	24	1	0	1	2376	24.5
				64QAM	1	24	1	0	1	2236	23.5
				256QAM	1	24	1	0	1	1981	20.5
				QPSK	1	24	1	0	1	2449	25.5
				16QAM	1	24	1	0	1	2370	24.5
20528	836.8	20600	844	64QAM	1	24	1	0	1	2213	23.5
				256QAM	1	24	1	0	1	1930	20.5
				QPSK	1	24	1	0	1	2455	25.5
				16QAM	1	24	1	0	1	2340	24.5
				64QAM	1	24	1	0	1	2213	23.5
Combination 5MHz+5MHz (25RB+15RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Tx Power
20425	826.5	20464	830.4	QPSK	1	24	1	0	1	2448	25.5
				16QAM	1	24	1	0	1	2357	24.5
				64QAM	1	24	1	0	1	2252	23.5
				256QAM	1	24	1	0	1	1942	20.5
				QPSK	1	24	1	0	1	2441	25.5
20510	835	20549	838.9	16QAM	1	24	1	0	1	2378	24.5
				64QAM	1	24	1	0	1	2225	23.5
				256QAM	1	24	1	0	1	1985	20.5
				QPSK	1	24	1	0	1	2433	25.5
				16QAM	1	24	1	0	1	2376	24.5
20595	843.5	20634	847.4	64QAM	1	24	1	0	1	2204	23.5
				256QAM	1	24	1	0	1	1946	20.5
				QPSK	1	14	1	0	1	2437	25.5
				16QAM	1	14	1	0	1	2357	24.5
				64QAM	1	14	1	0	1	2254	23.5
20501	834.1	20540	838	256QAM	1	14	1	0	1	1945	20.5
				QPSK	1	14	1	0	1	2435	25.5
				16QAM	1	14	1	0	1	2365	24.5
				64QAM	1	14	1	0	1	2228	23.5
				256QAM	1	14	1	0	1	1937	20.5
20586	842.6	20625	846.5	QPSK	1	14	1	0	1	2428	25.5
				16QAM	1	14	1	0	1	2386	24.5
				64QAM	1	14	1	0	1	2210	23.5
				256QAM	1	14	1	0	1	1946	20.5
				QPSK	1	14	1	0	1	2437	25.5

CA 66B (Ant1)											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132022	1715	132121	1724.9	QPSK	1	49	1	0	1	1916	19.5
				16QAM	1	49	1	0	1	1839	18.5
				64QAM	1	49	1	0	1	1685	17.5
				256QAM	1	49	1	0	1	1433	14.5
				QPSK	1	49	1	0	1	1897	19.5
132373	1750.1	132472	1760	16QAM	1	49	1	0	1	1833	18.5
				64QAM	1	49	1	0	1	1690	17.5
				256QAM	1	49	1	0	1	1418	14.5
				QPSK	1	49	1	0	1	1891	19.5
				16QAM	1	49	1	0	1	1822	18.5
132523	1765.1	132622	1775	64QAM	1	49	1	0	1	1674	17.5
				256QAM	1	49	1	0	1	1421	14.5
				QPSK	1	74	1	0	1	1901	19.5
				16QAM	1	74	1	0	1	1830	18.5
				64QAM	1	74	1	0	1	1669	17.5
132398	1752.6	132491	1761.9	256QAM	1	74	1	0	1	1903	19.5
				16QAM	1	74	1	0	1	1826	18.5
				64QAM	1	74	1	0	1	1677	17.5
				256QAM	1	74	1	0	1	1406	14.5
				QPSK	1	74	1	0	1	1852	18.5
132549	1767.7	132642	1777	16QAM	1	74	1	0	1	1812	18.5
				64QAM	1	74	1	0	1	1673	17.5
				256QAM	1	74	1	0	1	1403	14.5
				QPSK	1	24	1	0	1	1895	19.5
				16QAM	1	24	1	0	1	1830	18.5
Combination 5MHz+15MHz (25RB+75RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132002	1713	132095	1722.3	QPSK	1	24	1	0	1	1904	19.5
				16QAM	1	24	1	0	1	1833	18.5
				64QAM	1	24	1	0	1	1671	17.5
				256QAM	1	24	1	0	1	1407	14.5
				QPSK	1	24	1	0	1	1936	19.5
132353	1748.1	132446	1757.4	16QAM	1	24	1	0	1	1829	18.5
				64QAM	1	24	1	0	1	1684	17.5
				256QAM	1	24	1	0	1	1398	14.5
				QPSK	1	24	1	0	1	1884	18.5
				16QAM	1	24	1	0	1	1824	18.5
132504	1763.2	132597	1772.5	64QAM	1	24	1	0	1	1668	17.5
				256QAM	1	24	1	0	1	1415	14.5
				QPSK	1	49	1	0	1	1898	19.5
				16QAM	1	49	1	0	1	1819	18.5
				64QAM	1	49	1	0	1	1669	17.5
132397	1752.5	132489	1759.7	256QAM	1	49	1	0	1	1415	14.5
				QPSK	1	49	1	0	1	1902	19.5
				16QAM	1	49	1	0	1	1813	18.5
				64QAM	1	49	1	0	1	1681	17.5
				256QAM	1	49	1	0	1	1393	14.5
132572	1770	132644	1777.2	QPSK	1	49	1	0	1	1859	19.5
				16QAM	1	49	1	0	1	1809	18.5
				64QAM	1	49	1	0	1	1673	17.5
				256QAM	1	49	1	0	1	1405	14.5
				QPSK	1	24	1	0	1	1895	19.5
Combination 5MHz+10MHz (25RB+50RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
132000	1712.8	132072	1720	QPSK	1	24	1	0	1	1817	18.5
				16QAM	1	24	1	0	1	1695	17.5
				64QAM	1	24	1	0	1	1480	14.5
				256QAM	1	24	1	0	1	1405	14.5
				QPSK	1	24	1	0	1	1897	19.5
132375	1750.3	132447	1757.5	16QAM	1	24	1	0	1	1828	18.5
				64QAM	1	24	1	0	1	1689	17.5
				256QAM	1	24	1	0	1	1430	14.5
				QPSK	1	24	1	0	1	1897	19.5
				16QAM	1	24	1	0	1	1817	18.5
132550	1767.8	132622	1775	64QAM	1	24	1	0	1	1608	16.5
				256QAM	1	24	1	0	1	1393	14.5
				QPSK	1	24	1	0	1	1865	19.5
				16QAM	1	24	1	0	1	1812	18.5
				64QAM	1	24	1	0	1	1677	17.5
Combination 5MHz+5MHz (25RB+25RB)											
PCC Channel	PCC Frequency	SCC Channel	SCC Frequency	Modulation	PCC RB Size	PCC RB offset	SCC RB Size	SCC RB offset	Total RB Size	Measured Power (dBm)	Max. Time-up Power
131967	1712.5	132045	1717.3	QPSK	1	24	1	0	1	1895	19.5
				16QAM	1	24	1	0	1	1830	18.5
				64QAM	1	24	1	0	1	1669	17.5
				256QAM	1	24	1	0	1	1408	14.5
				QPSK	1	24	1	0	1	1897	19.5
132398	1777.5	132446	1782.3	16QAM	1	24	1	0	1	1817	18.5
				64QAM	1	24	1	0	1	1678	17.5
				256QAM	1	24	1	0	1	1393	14.5
				QPSK	1	24	1	0	1	1865	19.5
				16QAM	1	24	1	0	1	1812	18.5
132599	1772.7	132647	1777.5	64QAM	1	24	1	0	1	1677	17.5
				256QAM	1	24	1	0	1	1392	14.5
				QPSK	1	24	1	0	1	1895	19.5
				16QAM	1	24	1	0	1	1830	18.5
				64QAM	1	24	1	0	1	1677	17.5

CA 66C (Ant1)										
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 (dBm)	Max. Time-up Power
132072	1720	132270	1739.8	QPSK	1	99	1	0	19.08	19.5
				16QAM	1	99	1	0	18.42	18.5
				64QAM	1	99	1	0	16.35	17.5
				256QAM	1	99	1	0	14.04	14.5
				QPSK	1	99	1	0	19.17	19.5
132323	1745.1	132521	1764.9	16QAM	1	99	1	0	18.13	18.5
				64QAM	1	99	1	0	16.82	17.5
				256QAM	1	99	1	0	14.08	14.5
				QPSK	1	99	1	0	18.93	19.5
				16QAM	1	99	1	0	19.20	19.5
132374	1750.2	132572	1770	16QAM	1	99	1	0	18.08	18.5
				64QAM	1	99	1	0	16.28	17.5
				256QAM	1	99	1	0	14.20	14.5
				QPSK	1	99	1	0	18.28	19.5
				16QAM	1	99	1	0	18.40	18.5
Combination 20MHz+15MHz (100RB+75RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	POC RB Size	POC RB offset	Measured Power (dBm)	Max. Time-up Power
132072	1720	132243	1737.1	QPSK	1	99	1	0	23.77	19.5
				16QAM	1	99	1	0	23.06	18.5
				64QAM	1	99	1	0	21.09	17.5
				256QAM	1	99	1	0	18.90	14.5
				QPSK	1	99	1	0	23.67	19.5
132346	1747.6	132519	1764.7	16QAM	1	99	1	0	22.82	18.5
				64QAM	1	99	1	0	21.60	17.5
				256QAM	1	99	1	0	18.93	14.5
				QPSK	1	99	1	0	23.81	19.5
				16QAM	1	99	1	0	22.95	18.5
132423	1755.1	132594	1772.2	64QAM	1	99	1	0	22.05	18.5
				16QAM	1	99	1	0	20.97	17.5
				256QAM	1	99	1	0	18.80	14.5
				QPSK	1	99	1	0	23.80	19.5
				16QAM	1	99	1	0	22.15	18.5
Combination 15MHz+20MHz (75RB+100RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	POC RB Size	POC RB offset	Measured Power (dBm)	Max. Time-up Power
132050	1717.8	132221	1734.9	QPSK	1	74	1	0	23.75	19.5
				16QAM	1	74	1	0	23.09	18.5
				64QAM	1	74	1	0	21.17	17.5
				256QAM	1	74	1	0	18.86	14.5
				QPSK	1	74	1	0	23.80	19.5
132325	1745.3	132496	1762.4	16QAM	1	74	1	0	22.96	18.5
				64QAM	1	74	1	0	21.52	17.5
				256QAM	1	74	1	0	18.80	14.5
				QPSK	1	74	1	0	23.66	19.5
				16QAM	1	74	1	0	22.94	18.5
132401	1752.9	132572	1770	64QAM	1	74	1	0	21.13	17.5
				16QAM	1	74	1	0	20.14	16.5
				256QAM	1	74	1	0	18.64	14.5
				QPSK	1	74	1	0	23.75	19.5
				16QAM	1	74	1	0	23.09	18.5
Combination 20MHz+10MHz (100RB+50RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	POC RB Size	POC RB offset	Measured Power (dBm)	Max. Time-up Power
132072	1720	132216	1734.4	QPSK	1	99	1	0	23.71	19.5
				16QAM	1	99	1	0	23.20	18.5
				64QAM	1	99	1	0	21.57	17.5
				256QAM	1	99	1	0	19.02	14.5
				QPSK	1	99	1	0	23.78	19.5
132373	1750.1	132517	1764.5	16QAM	1	99	1	0	23.15	18.5
				64QAM	1	99	1	0	21.54	17.5
				256QAM	1	99	1	0	18.98	14.5
				QPSK	1	99	1	0	23.69	19.5
				16QAM	1	99	1	0	23.04	18.5
132473	1760.1	132617	1774.5	64QAM	1	99	1	0	21.52	17.5
				16QAM	1	99	1	0	20.53	16.5
				256QAM	1	99	1	0	18.92	14.5
				QPSK	1	99	1	0	23.75	19.5
				16QAM	1	99	1	0	23.09	18.5
Combination 10MHz+20MHz (50RB+100RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	POC RB Size	POC RB offset	Measured Power (dBm)	Max. Time-up Power
132027	1715.5	132171	1729.9	QPSK	1	49	1	0	23.75	19.5
				16QAM	1	49	1	0	23.09	18.5
				64QAM	1	49	1	0	21.45	17.5
				256QAM	1	49	1	0	18.89	14.5
				QPSK	1	49	1	0	23.51	19.5
132328	1745.6	132472	1760	16QAM	1	49	1	0	23.04	18.5
				64QAM	1	49	1	0	21.55	17.5
				256QAM	1	49	1	0	18.83	14.5
				QPSK	1	49	1	0	23.56	19.5
				16QAM	1	49	1	0	22.77	18.5
132428	1755.6	132572	1770	64QAM	1	49	1	0	21.42	17.5
				16QAM	1	49	1	0	20.43	16.5
				256QAM	1	49	1	0	18.90	14.5
				QPSK	1	49	1	0	23.75	19.5
				16QAM	1	49	1	0	23.09	18.5
Combination 15MHz+15MHz (75RB+75RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	POC RB Size	POC RB offset	Measured Power (dBm)	Max. Time-up Power
132047	1717.5	132197	1732.5	QPSK	1	74	1	0	23.77	19.5
				16QAM	1	74	1	0	23.22	18.5
				64QAM	1	74	1	0	21.45	17.5
				256QAM	1	74	1	0	19.03	14.5
				QPSK	1	74	1	0	23.63	19.5
132347	1747.5	132497	1762.5	16QAM	1	74	1	0	22.99	18.5
				64QAM	1	74	1	0	21.43	17.5
				256QAM	1	74	1	0	18.95	14.5
				QPSK	1	74	1	0	23.53	19.5
				16QAM	1	74	1	0	22.96	18.5
132447	1757.5	132597	1772.5	64QAM	1	74	1	0	21.52	17.5
				16QAM	1	74	1	0	20.53	16.5
				256QAM	1	74	1	0	18.84	14.5
				QPSK	1	74	1	0	23.75	19.5
				16QAM	1	74	1	0	23.09	18.5
Combination 15MHz+10MHz (75RB+50RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	POC RB Size	POC RB offset	Measured Power (dBm)	Max. Time-up Power
132047	1717.5	132167	1729.5	QPSK	1	74	1	0	23.77	19.5
				16QAM	1	74	1	0	23.12	18.5
				64QAM	1	74	1	0	21.34	17.5
				256QAM	1	74	1	0	18.83	14.5
				QPSK	1	74	1	0	23.48	19.5
132373	1750.1	132493	1762.1	16QAM	1	74	1	0	22.91	18.5
				64QAM	1	74	1	0	21.49	17.5
				256QAM	1	74	1	0	18.91	14.5
				QPSK	1	74	1	0	23.53	19.5
				16QAM	1	74	1	0	22.93	18.5
132499	1762.7	132619	1774.7	64QAM	1	74	1	0	21.38	17.5
				16QAM	1	74	1	0	20.39	16.5
				256QAM	1	74	1	0	18.75	14.5
				QPSK	1	74	1	0	23.75	19.5
				16QAM	1	74	1	0	23.09	18.5
Combination 10MHz+15MHz (50RB+75RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	POC RB Size	POC RB offset	Measured Power (dBm)	Max. Time-up Power
132025	1715.3	132145	1727.3	QPSK	1	49	1	0	23.93	19.5
				16QAM	1	49	1	0	23.16	18.5
				64QAM	1	49	1	0	21.30	17.5
				256QAM	1	49	1	0	18.85	14.5
				QPSK	1	49	1	0	23.96	19.5
132351	1747.9	132471	1759.9	16QAM	1	49	1	0	22.91	18.5
				64QAM	1	49	1	0	21.34	17.5
				256QAM	1	49	1	0	18.84	14.5
				QPSK	1	49	1	0	23.41	19.5
				16QAM	1	49	1	0	22.77	18.5
132477	1760.5	132597	1772.5	64QAM	1	49	1	0	21.37	17.5
				16QAM	1	49	1	0	20.38	16.5
				256QAM	1	49	1	0	18.84	14.5
				QPSK	1	49	1	0	23.75	19.5
				16QAM	1	49	1	0	23.09	18.5
Combination 20MHz+5MHz (100RB+25RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	POC RB Size	POC RB offset	Measured Power (dBm)	Max. Time-up Power
132072	1720	132189	1731.7	QPSK	1	99	1	0	23.92	19.5
				16QAM	1	99	1	0	23.16	18.5
				64QAM	1	99	1	0	21.39	17.5
				256QAM	1	99	1	0	18.89	14.5
				QPSK	1	99	1	0	23.96	19.5
132397	1752.5	132514	1764.2	16QAM	1	99	1	0	22.86	18.5
				64QAM	1	99	1	0	21.39	17.5
				256QAM	1	99	1	0	18.87	14.5
				QPSK	1	99	1	0	23.75	19.5
				16QAM	1	99	1	0	23.09	18.5
132522	1765	132639	1776.7	64QAM	1	99	1	0	22.40	18.5
				16QAM	1	99	1	0	21.36	17.5
				256QAM	1	99	1	0	18.71	14.5
				QPSK	1	99	1	0	23.75	19.5
				16QAM	1	99	1	0	23.09	18.5
Combination 5MHz+20MHz (25RB+100RB)										
POC Channel	POC Frequency	SCC Channel	SCC Frequency	Modulation	POC RB Size	POC RB offset	POC RB Size	POC RB offset	Measured Power (dBm)	Max. Time-up Power
132005	1713.3	132122	1725	QPSK	1	24	1	0	23.72	19.5
				16QAM	1	24	1	0	23.11	18.5
				64QAM	1	24	1	0	21.36	17.5
				256QAM	1	24	1	0	18.90	14.5
				QPSK	1	24	1	0	23.55	19.5
132330	1745.8	132447	1757.5	16QAM	1	24	1	0	22.91	18.5
				64QAM	1	24	1	0	21.33	17.5
				256QAM	1	24	1	0	18.83	14.5
				QPSK	1	24	1	0	23.53	19.5
				16QAM	1	24	1	0	22.78	18.5
132455	1758.3	132572	1770	64QAM	1	24	1	0	21.33	17.5
				16QAM	1	24	1	0	20.34	16.5
				256QAM	1	24	1	0	18.83	14.5
				QPSK	1	24	1	0	23.75	19.5
				16QAM	1	24	1	0	23.09	18.5

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	18.78	20.00	18.00
		6	2437	18.63	20.00	18.00
		11	2462	18.28	20.00	18.00
	802.11g 6Mbps	1	2412	18.97	20.00	18.50
		6	2437	18.59	20.00	18.50
		11	2462	18.24	20.00	18.50
	802.11n-HT20 MCS0	1	2412	18.68	20.00	18.50
		6	2437	18.40	20.00	18.50
		11	2462	18.18	20.00	18.50
	802.11n-HT40 MCS0	1	2412	17.20	19.00	17.00
		6	2437	17.52	19.00	17.00
		11	2462	17.31	19.00	17.00

5GHz WLAN		Ant6				
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	36	5180	19.28	21.00	19.00
		40	5200	19.24	21.00	18.00
		44	5220	19.21	21.00	18.00
	802.11n-HT20 MCS0	48	5240	19.40	21.00	18.00
		36	5180	19.25	21.00	18.50
		40	5200	19.14	21.00	18.00
	802.11n-HT40 MCS0	44	5220	19.28	21.00	18.00
		48	5240	19.42	21.00	18.00
		38	5190	18.33	20.00	17.00
	802.11ac-VHT20 MCS0	46	5230	18.85	20.00	17.00
		36	5180	18.15	20.00	17.20
		40	5200	18.29	20.00	17.00
	802.11ac-VHT40 MCS0	44	5220	18.44	20.00	17.00
		48	5240	18.58	20.00	17.00
		38	5190	18.02	20.00	16.50
	802.11ac-VHT80 MCS0	46	5230	18.28	20.00	16.50
		42	5210	17.20	19.00	16.50

5GHz WLAN		Ant6				
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	52	5280	18.78	20.00	17.50
		56	5290	18.73	20.00	17.50
		60	5300	19.07	20.00	17.50
		64	5320	18.77	20.00	17.50
		52	5280	18.83	20.00	17.50
	802.11n-HT20 MCS0	56	5280	18.76	20.00	17.50
		60	5300	18.88	20.00	17.50
		54	5320	18.73	20.00	17.50
		54	5270	17.89	19.00	16.50
		62	5310	17.72	19.00	16.50
	802.11ac-VHT20 MCS0	52	5280	18.14	20.00	17.00
		56	5280	18.24	20.00	17.00
		60	5300	18.40	20.00	17.00
		64	5320	18.14	20.00	17.00
		54	5270	17.85	19.00	16.50
	802.11ac-VHT40 MCS0	62	5310	17.70	19.00	16.50
		58	5290	16.44	18.00	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	18.32	19.50	17.00
		116	5580	18.00	19.50	17.00
		124	5620	18.16	19.50	17.00
		132	5660	18.21	19.50	17.00
		140	5700	18.33	19.50	17.00
		144	5720	18.41	19.50	17.00
		100	5500	18.33	19.50	17.00
	802.11n-HT20 MCS0	116	5580	17.95	19.50	17.00
		124	5620	18.18	19.50	17.00
		132	5660	18.20	19.50	17.00
		140	5700	18.32	19.50	17.00
		144	5720	18.42	19.50	17.00
		102	5510	17.30	18.50	16.00
		110	5550	17.06	18.50	16.00
	802.11n-HT40 MCS0	126	5630	17.34	18.50	16.00
		134	5670	17.70	18.50	16.00
		142	5710	17.51	18.50	16.00
		100	5500	17.26	18.50	16.00
		116	5580	16.99	18.50	16.00
		124	5620	17.09	18.50	16.00
		132	5660	17.26	18.50	16.00
	802.11ac-VHT20 MCS0	140	5700	17.25	18.50	16.00
		144	5720	17.37	18.50	16.00
		102	5510	17.28	18.50	16.00
		110	5550	17.01	18.50	16.00
		126	5630	17.21	18.50	16.00
		134	5670	17.66	18.50	16.00
		142	5710	17.46	18.50	16.00
	802.11ac-VHT40 MCS0	106	5530	16.30	17.50	15.50
		122	5610	16.16	17.50	15.00
		138	5690	16.69	17.50	15.00

5GHz WLAN		Ant6				
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	149	5745	19.19	20.00	18.00
		157	5785	18.21	20.00	18.00
		165	5825	18.75	20.00	18.00
	802.11n-HT20 MCS0	149	5745	19.13	19.50	18.00
		157	5785	17.98	19.50	18.00
		165	5825	18.62	19.50	18.00
	802.11n-HT40 MCS0	151	5755	17.74	19.00	16.50
		159	5795	17.23	19.00	16.50
		149	5745	18.42	19.00	17.00
	802.11ac-VHT20 MCS0	157	5785	17.05	19.00	17.00
		165	5825	17.91	19.00	17.00
		151	5755	17.63	19.00	16.50
	802.11ac-VHT40 MCS0	159	5795	17.21	19.00	16.50
		155	5775	16.35	18.00	15.50

		Ant7				
BT	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
BLE	1M	0	2402	8.93	10.00	default
		19	2440	8.23	10.00	default
		39	2480	8.25	10.00	default
	2M	1	2404	8.93	10.00	default
		19	2440	8.16	10.00	default
		39	2478	8.45	10.00	default
	S2	0	2402	8.94	10.00	default
		19	2440	8.20	10.00	default
		39	2480	8.28	10.00	default
	S8	0	2402	8.87	10.00	default
BREDR	GFSK	19	2440	8.12	10.00	default
		39	2480	8.21	10.00	default
		0	2402	11.69	13.00	9.00
	DQPSK	39	2441	11.38	13.00	9.00
		78	2480	11.47	13.00	9.00
		0	2402	9.15	10.00	9.00
	8DPSK	39	2441	8.58	10.00	9.00
		78	2480	8.74	10.00	9.00
		0	2402	9.13	10.00	9.00
		39	2441	8.54	10.00	9.00
		78	2480	8.70	10.00	9.00

DSIZ 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		18.00	
		6	2437		18.00	
		11	2462		18.00	
	802.11g 6Mbps	1	2412	16.94	18.00	16.50
		6	2437	16.69	18.00	16.50
		11	2462	16.41	18.00	16.50
	802.11n-HT20 MCS9	1	2412		18.00	
		6	2437		18.00	
		11	2462		18.00	
	802.11n-HT40 MCS9	1	2412		17.00	
		6	2437		17.00	
		11	2462		17.00	

5GHz WLAN	Ant6					
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	36	5180	14.47	16.00	13.00
		40	5200	14.40	16.00	13.00
		44	5220	14.42	16.00	13.00
		48	5240	14.67	16.00	13.00
	802.11n-HT20 MCS9	36	5180		16.00	
		40	5200		16.00	
		44	5220		16.00	
		48	5240		16.00	
	802.11n-HT40 MCS9	38	5190		15.00	
		46	5230		15.00	
		36	5180		15.00	
		40	5200		15.00	
	802.11ac-VHT20 MCS9	44	5220		15.00	
		48	5240		15.00	
		38	5190		15.00	
		46	5230		15.00	
	802.11ac-VHT40 MCS9	46	5230		15.00	
		42	5210		14.00	

5GHz WLAN	Ant6					
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	52	5260		15.00	
		56	5280		15.00	
		60	5300		15.00	
		64	5320		15.00	
	802.11n-HT20 MCS9	52	5260	13.96	15.00	12.50
		56	5280	13.91	15.00	12.50
		60	5300	14.26	15.00	12.50
		64	5320	13.94	15.00	12.50
	802.11n-HT40 MCS9	54	5270		14.00	
		62	5310		14.00	
		52	5260		15.00	
		56	5280		15.00	
	802.11ac-VHT20 MCS9	60	5300		15.00	
		64	5320		15.00	
		54	5270		14.00	
		62	5310		14.00	
	802.11ac-VHT80	58	5290		13.00	

5GHz WLAN	Ant6					
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	100	5500	13.91	15.00	12.50
		116	5580	13.64	15.00	12.50
		124	5620	13.75	15.00	12.50
		132	5660	13.86	15.00	12.50
		140	5700	13.96	15.00	12.50
		144	5720	14.09	15.00	12.50
		100	5500		15.00	
		116	5580		15.00	
	802.11n-HT20 MCS9	124	5620		15.00	
		132	5660		15.00	
		140	5700		15.00	
		144	5720		15.00	
		102	5510		14.00	
		110	5550		14.00	
		126	5630		14.00	
		134	5670		14.00	
	802.11ac-VHT20 MCS9	142	5710		14.00	
		100	5500		14.00	
		116	5580		14.00	
		124	5620		14.00	
		132	5660		14.00	
		140	5700		14.00	
		144	5720		14.00	
		102	5510		14.00	
	802.11ac-VHT40 MCS9	110	5550		14.00	
		126	5630		14.00	
		134	5670		14.00	
		142	5710		14.00	
		106	5520		13.00	
		122	5610		13.00	
		138	5690		13.00	

5GHz WLAN	Ant6					
5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	148	5745	13.85	14.50	12.50
		157	5785	12.81	14.50	12.50
		165	5825	13.39	14.50	12.50
		149	5745		14.00	
	802.11n-HT20 MCS9	157	5785	9.26	14.00	
		165	5825		14.00	
		151	5755		13.50	
		159	5795		13.50	
	802.11ac-VHT20 MCS9	149	5745		13.50	
		157	5785		13.50	
		165	5825		13.50	
		151	5755		13.50	
	802.11ac-VHT80	159	5795		13.50	
		155	5775		12.50	

Ant7						
BT	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
BLE	1M	0	2402	8.93	10.00	default
		19	2440	8.23	10.00	default
		39	2480	8.25	10.00	default
		1	2404	8.93	10.00	default
		19	2440	8.16	10.00	default
	2M	38	2478	8.45	10.00	default
		0	2402	8.94	10.00	default
	S2	19	2440	8.20	10.00	default
		38	2480	8.26	10.00	default
		0	2402	8.87	10.00	default
	S8	19	2440	8.12	10.00	default
		39	2480	8.21	10.00	default
BREDR	GFSK	0	2402	11.69	13.00	9.00
		39	2441	11.38	13.00	9.00
		78	2480	11.47	13.00	9.00
		0	2402	9.15	10.00	9.00
		39	2441	8.58	10.00	9.00
	DQPSK	78	2480	8.74	10.00	9.00
		0	2402	9.13	10.00	9.00
		39	2441	8.54	10.00	9.00
		78	2480	8.70	10.00	9.00
	8DPSK					

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	18.78	20.00	18.00
		6	2437	18.63	20.00	18.00
		11	2462	18.28	20.00	18.00
	802.11g 6Mbps	1	2412	18.97	20.00	18.50
		6	2437	18.59	20.00	18.50
		11	2462	18.24	20.00	18.50
	802.11n-HT20 MCS9	1	2412	18.68	20.00	18.50
		6	2437	18.40	20.00	18.50
		11	2462	18.18	20.00	18.50
	802.11n-HT40 MCS9	1	2412	17.20	19.00	17.00
		6	2437	17.52	19.00	17.00
		11	2462	17.31	19.00	17.00

5GHz WLAN		Ant6				
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	36	5180	17.86	19.50	16.50
		40	5200	17.77	19.50	16.50
		44	5220	17.81	19.50	16.50
		48	5240	17.99	19.50	16.50
	802.11n-HT20 MCS9	36	5180		19.50	
		40	5200		19.50	
		44	5220		19.50	
		48	5240		19.50	
	802.11n-HT40 MCS9	38	5190		18.50	
		46	5230		18.50	
		36	5180		18.50	
		40	5200		18.50	
	802.11ac-VHT20 MCS9	44	5220		18.50	
		48	5240		18.50	
		38	5190		18.50	
		46	5230		18.50	
	802.11ac-VHT40 MCS9	46	5230		18.50	
		42	5210		17.50	

5GHz WLAN		Ant6				
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
	802.11a 6Mbps	52	5260		17.50	
		56	5280		17.50	
		60	5300		17.50	
		64	5320		17.50	
	802.11n-HT20 MCS9	52	5260	16.45	17.50	15.00
		56	5280	16.39	17.50	15.00
		60	5300	16.72	17.50	15.00
		64	5320	16.33	17.50	15.00
	802.11n-HT40 MCS9	54	5270		16.50	
		62	5310		16.50	
		52	5260		17.50	
		56	5280		17.50	
	802.11ac-VHT20 MCS9	60	5300		17.50	
		64	5320		17.50	
		54	5270		16.50	
		62	5310		16.50	
	802.11ac-VHT80	58	5290		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	16.47	17.50	15.00
		116	5580	16.10	17.50	15.00
		124	5620	16.21	17.50	15.00
		132	5660	16.38	17.50	15.00
		140	5700	16.47	17.50	15.00
		144	5720	16.54	17.50	15.00
		100	5500		17.50	
		116	5580		17.50	
	802.11n-HT20 MCS9	124	5620		17.50	
		132	5660		17.50	
		140	5700		17.50	
		144	5720		17.50	
		102	5510		16.50	
		110	5550		16.50	
		126	5630		16.50	
		134	5670		16.50	
	802.11ac-VHT20 MCS9	142	5710		16.50	
		100	5500		16.50	
		116	5580		16.50	
		124	5620		16.50	
		132	5660		16.50	
		140	5700		16.50	
		144	5720		16.50	
		102	5510		16.50	
	802.11ac-VHT40 MCS9	110	5550		16.50	
		126	5630		16.50	
		134	5670		16.50	
		142	5710		16.50	
		106	5530		15.50	
		122	5610		15.50	
		138	5690		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	17.30	18.00	16.00
		157	5785	16.35	18.00	16.00
		165	5825	16.87	18.00	16.00
	802.11n-HT20 MCS9	149	5745		17.50	
		157	5785		17.50	
		165	5825		17.50	
	802.11n-HT40 MCS9	151	5755		17.00	
		159	5795		17.00	
		149	5745		17.00	
	802.11ac-VHT20 MCS9	157	5785		17.00	
		165	5825		17.00	
		151	5755		17.00	
	802.11ac-VHT40 MCS9	159	5795		17.00	
		155	5775		16.00	

Ant7						
BT	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting
BLE	1M	0	2402	8.93	10.00	default
		19	2440	8.23	10.00	default
		39	2480	8.25	10.00	default
		1	2404	8.93	10.00	default
		19	2440	8.16	10.00	default
	2M	38	2478	8.45	10.00	default
		0	2402	8.94	10.00	default
	S2	19	2440	8.25	10.00	default
		39	2480	8.28	10.00	default
		0	2402	8.87	10.00	default
BREDR	S8	19	2440	8.12	10.00	default
		39	2480	8.21	10.00	default
		0	2402	11.69	13.00	9.00
		39	2441	11.38	13.00	9.00
		78	2480	11.47	13.00	9.00
	DQPSK	0	2402	9.15	10.00	9.00
		39	2441	8.58	10.00	9.00
	8DPSK	78	2480	8.74	10.00	9.00
		0	2402	9.13	10.00	9.00
		39	2441	8.54	10.00	9.00
		78	2480	8.70	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 Turn-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	128	-	-	Ant 2	DSi4	1	-	31.50	30.98	0.05	0.143	1.000	1.127	0.16
	GSM850	GPRS 2Tx Slot	Right Tilted	0cm	128	-	-	Ant 2	DSi4	1	-	31.50	30.98	0.13	0.078	1.000	1.127	0.09
	GSM850	GPRS 2Tx Slot	Left Cheek	0cm	128	-	-	Ant 2	DSi4	1	-	31.50	30.98	0.04	0.133	1.000	1.127	0.15
	GSM850	GPRS 2Tx Slot	Left Tilted	0cm	128	-	-	Ant 2	DSi4	1	-	31.50	30.98	0.01	0.106	1.000	1.127	0.12
P02	GSM1900	GPRS 2Tx Slot	Right Cheek	0cm	512	-	-	Ant 1	DSi4	1	-	29.50	28.53	0.11	0.094	1.000	1.250	0.12
	GSM1900	GPRS 2Tx Slot	Right Tilted	0cm	512	-	-	Ant 1	DSi4	1	-	29.50	28.53	0.09	0.063	1.000	1.250	0.08
	GSM1900	GPRS 2Tx Slot	Left Cheek	0cm	512	-	-	Ant 1	DSi4	1	-	29.50	28.53	-0.04	0.110	1.000	1.250	0.14
	GSM1900	GPRS 2Tx Slot	Left Tilted	0cm	512	-	-	Ant 1	DSi4	1	-	29.50	28.53	0.15	0.050	1.000	1.250	0.06
P03	WCDMA II	RMC12.2K	Right Cheek	0cm	9262	-	-	Ant 1	DSi4	1	-	25.00	24.35	0.14	0.125	1.000	1.161	0.15
	WCDMA II	RMC12.2K	Right Tilted	0cm	9262	-	-	Ant 1	DSi4	1	-	25.00	24.35	0.06	0.121	1.000	1.161	0.14
	WCDMA II	RMC12.2K	Left Cheek	0cm	9262	-	-	Ant 1	DSi4	1	-	25.00	24.35	0.01	0.172	1.000	1.161	0.20
	WCDMA II	RMC12.2K	Left Tilted	0cm	9262	-	-	Ant 1	DSi4	1	-	25.00	24.35	-0.05	0.134	1.000	1.161	0.16
P04	WCDMA V	RMC12.2K	Right Cheek	0cm	4233	-	-	Ant 2	DSi4	1	-	25.00	24.27	0.17	0.168	1.000	1.183	0.20
	WCDMA V	RMC12.2K	Right Tilted	0cm	4233	-	-	Ant 2	DSi4	1	-	25.00	24.27	0.14	0.132	1.000	1.183	0.16
	WCDMA V	RMC12.2K	Left Cheek	0cm	4233	-	-	Ant 2	DSi4	1	-	25.00	24.27	-0.01	0.144	1.000	1.183	0.17
	WCDMA V	RMC12.2K	Left Tilted	0cm	4233	-	-	Ant 2	DSi4	1	-	25.00	24.27	0.02	0.144	1.000	1.183	0.17
	LTE Band 2	QPSK20M	Right Cheek	0cm	18900	1	0	Ant 1	DSi4	1	-	24.50	23.55	-0.05	0.112	1.000	1.245	0.14
	LTE Band 2	QPSK20M	Right Tilted	0cm	18900	1	0	Ant 1	DSi4	1	-	24.50	23.55	0.19	0.103	1.000	1.245	0.13
	LTE Band 2	QPSK20M	Left Cheek	0cm	18900	1	0	Ant 1	DSi4	1	-	24.50	23.55	0.03	0.129	1.000	1.245	0.16
	LTE Band 2	QPSK20M	Left Tilted	0cm	18900	1	0	Ant 1	DSi4	1	-	24.50	23.55	0.11	0.086	1.000	1.245	0.08
	LTE Band 2	QPSK20M	Right Cheek	0cm	18900	50	50	Ant 1	DSi4	1	-	23.50	22.49	-0.18	0.109	1.000	1.262	0.14
	LTE Band 2	QPSK20M	Right Tilted	0cm	18900	50	50	Ant 1	DSi4	1	-	23.50	22.49	0.06	0.098	1.000	1.262	0.12
	LTE Band 2	QPSK20M	Left Cheek	0cm	18900	50	50	Ant 1	DSi4	1	-	23.50	22.49	-0.09	0.126	1.000	1.262	0.16
	LTE Band 2	QPSK20M	Left Tilted	0cm	18900	50	50	Ant 1	DSi4	1	-	23.50	22.49	-0.03	0.055	1.000	1.262	0.07
P05	LTE Band 2 (ENDC)	QPSK20M	Right Cheek	0cm	18900	1	0	Ant 5	DSi2	1	-	18.50	17.36	-0.1	0.570	1.000	1.300	0.74
	LTE Band 2 (ENDC)	QPSK20M	Right Tilted	0cm	18900	1	0	Ant 5	DSi2	1	-	18.50	17.36	0.07	0.682	1.000	1.300	0.89
	LTE Band 2 (ENDC)	QPSK20M	Left Cheek	0cm	18900	1	0	Ant 5	DSi2	1	-	18.50	17.36	0.01	0.368	1.000	1.300	0.48
	LTE Band 2 (ENDC)	QPSK20M	Left Tilted	0cm	18900	1	0	Ant 5	DSi2	1	-	18.50	17.36	0.16	0.519	1.000	1.300	0.68
	LTE Band 2 (ENDC)	QPSK20M	Right Cheek	0cm	18900	50	50	Ant 5	DSi2	1	-	17.50	16.23	-0.17	0.558	1.000	1.340	0.75
	LTE Band 2 (ENDC)	QPSK20M	Right Tilted	0cm	18900	50	50	Ant 5	DSi2	1	-	17.50	16.23	0.14	0.693	1.000	1.340	0.93
	LTE Band 2 (ENDC)	QPSK20M	Left Cheek	0cm	18900	50	50	Ant 5	DSi2	1	-	17.50	16.23	-0.16	0.407	1.000	1.340	0.55
	LTE Band 2 (ENDC)	QPSK20M	Left Tilted	0cm	18900	50	50	Ant 5	DSi2	1	-	17.50	16.23	-0.02	0.468	1.000	1.340	0.63
	LTE Band 2 (ENDC)	QPSK20M	Right Tilted	0cm	18700	1	0	Ant 5	DSi2	1	-	18.50	17.11	-0.05	0.764	1.000	1.377	1.05
	LTE Band 2 (ENDC)	QPSK20M	Right Tilted	0cm	19100	1	0	Ant 5	DSi2	1	-	18.50	17.09	0.11	0.722	1.000	1.384	1.00
	LTE Band 2 (ENDC)	QPSK20M	Right Tilted	0cm	18700	50	50	Ant 5	DSi2	1	-	17.50	16.20	0.09	0.692	1.000	1.349	0.93
	LTE Band 2 (ENDC)	QPSK20M	Right Tilted	0cm	19100	50	50	Ant 5	DSi2	1	-	17.50	16.11	-0.05	0.659	1.000	1.377	0.91
LTE Band 2 (ENDC)	QPSK20M	Right Tilted	0cm	18900	100	0	Ant 5	DSi2	1	-	17.50	16.19	0.15	0.701	1.000	1.352	0.95	
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Right Cheek	0cm	18900	1	0	Ant 5	DSi5	1	-	16.00	14.88	0.01	0.302	1.000	1.294	0.39
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Right Tilted	0cm	18900	1	0	Ant 5	DSi5	1	-	16.00	14.88	-0.11	0.405	1.000	1.294	0.52
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Left Cheek	0cm	18900	1	0	Ant 5	DSi5	1	-	16.00	14.88	-0.1	0.195	1.000	1.294	0.25
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Left Tilted	0cm	18900	1	0	Ant 5	DSi5	1	-	16.00	14.88	0.17	0.275	1.000	1.294	0.36
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Right Cheek	0cm	18900	50	50	Ant 5	DSi5	1	-	15.00	13.67	-0.18	0.295	1.000	1.358	0.40
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Right Tilted	0cm	18900	50	50	Ant 5	DSi5	1	-	15.00	13.67	0.07	0.382	1.000	1.358	0.52
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Left Cheek	0cm	18900	50	50	Ant 5	DSi5	1	-	15.00	13.67	0.15	0.215	1.000	1.358	0.29
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Left Tilted	0cm	18900	50	50	Ant 5	DSi5	1	-	15.00	13.67	0.08	0.248	1.000	1.358	0.34
P06	LTE Band 5	QPSK10M	Right Cheek	0cm	20450	1	24	Ant 2	DSi4	1	-	25.50	24.03	-0.18	0.121	1.000	1.403	0.17
	LTE Band 5	QPSK10M	Right Tilted	0cm	20450	1	24	Ant 2	DSi4	1	-	25.50	24.03	0.07	0.074	1.000	1.403	0.10
	LTE Band 5	QPSK10M	Left Cheek	0cm	20450	1	24	Ant 2	DSi4	1	-	25.50	24.03	0.11	0.137	1.000	1.403	0.19
	LTE Band 5	QPSK10M	Left Tilted	0cm	20450	1	24	Ant 2	DSi4	1	-	25.50	24.03	0.13	0.101	1.000	1.403	0.14
	LTE Band 5	QPSK10M	Right Cheek	0cm	20450	25	12	Ant 2	DSi4	1	-	24.50	23.06	0.08	0.124	1.000	1.393	0.17
	LTE Band 5	QPSK10M	Right Tilted	0cm	20450	25	12	Ant 2	DSi4	1	-	24.50	23.06	0.18	0.072	1.000	1.393	0.10
	LTE Band 5	QPSK10M	Left Cheek	0cm	20450	25	12	Ant 2	DSi4	1	-	24.50	23.06	-0.02	0.114	1.000	1.393	0.16
	LTE Band 5	QPSK10M	Left Tilted	0cm	20450	25	12	Ant 2	DSi4	1	-	24.50	23.06	0.18	0.098	1.000	1.393	0.14
P07	LTE Band 5B	QPSK10M	Left Cheek	0cm	PCC:20450 SCC:20549	1	49	Ant 2	DSi4	1	-	25.50	24.76	0.08	0.101	1.000	1.403	0.14
	LTE Band 12	QPSK10M	Right Cheek	0cm	23060	1	24	Ant 2	DSi4	1	-	25.50	24.12	0.04	0.082	1.000	1.374	0.11
	LTE Band 12	QPSK10M	Right Tilted	0cm	23060	1	24	Ant 2	DSi4	1	-	25.50	24.12	-0.07	0.000	1.000	1.374	0.00
	LTE Band 12	QPSK10M	Left Cheek	0cm	23060	1	24	Ant 2	DSi4	1	-	25.50	24.12	0.14	0.102	1.000	1.374	0.14
	LTE Band 12	QPSK10M	Left Tilted	0cm	23060	1	24	Ant 2	DSi4	1	-	25.50	24.12	0.12	0.065	1.000	1.374	0.09
	LTE Band 12	QPSK10M	Right Cheek	0cm	23060	25	12	Ant 2	DSi4	1	-	24.50	23.21	-0.1	0.077	1.000	1.346	0.10
	LTE Band 12	QPSK10M	Right Tilted	0cm	23060	25	12	Ant 2	DSi4	1	-	24.50	23.21	0.16	0.000	1.000	1.346	0.00
	LTE Band 12	QPSK10M	Left Cheek	0cm	23060	25	12	Ant 2	DSi4	1	-	24.50	23.21	-0.07	0.088	1.000	1.346	0.12
P08	LTE Band 12	QPSK10M	Left Tilted	0cm	23060	25	12	Ant 2	DSi4	1	-	24.50	23.21	0.13	0.054	1.000	1.346	0.07
	LTE Band 13	QPSK10M	Right Cheek	0cm	23230	1	24	Ant 2	DSi4	1	-	25.50	24.11	0.04	0.082	1.000	1.377	0.11
	LTE Band 13	QPSK10M	Right Tilted	0cm	23230	1	24	Ant 2	DSi4	1	-	25.50	24.11	0.15	0.000	1.000	1.377	0.00
	LTE Band 13	QPSK10M	Left Cheek	0cm	23230	1	24	Ant 2	DSi4	1	-	25.50	24.11	0.03	0.074	1.000	1.377	0.10
	LTE Band 13	QPSK10M	Left Tilted	0cm	23230	1	24	Ant 2	DSi4	1	-	25.50	24.11	0.16	0.067	1.000	1.377	0.09
	LTE Band 13	QPSK10M	Right Cheek	0cm	23230													

	LTE Band 66/4 (ENDC)	QPSK20M	Right Cheek	0cm	132072	1	0	Ant 5	DSI2	1	-	21.50	20.30	-0.09	0.567	1.000	1.318	0.75
	LTE Band 66/4 (ENDC)	QPSK20M	Right Tilted	0cm	132072	1	0	Ant 5	DSI2	1	-	21.50	20.30	0.16	0.759	1.000	1.318	1.00
	LTE Band 66/4 (ENDC)	QPSK20M	Left Cheek	0cm	132072	1	0	Ant 5	DSI2	1	-	21.50	20.30	0.17	0.566	1.000	1.318	0.75
P09	LTE Band 66/4 (ENDC)	QPSK20M	Left Tilted	0cm	132072	1	0	Ant 5	DSI2	1	-	21.50	20.30	-0.07	0.785	1.000	1.318	1.04
	LTE Band 66/4 (ENDC)	QPSK20M	Right Cheek	0cm	132072	50	0	Ant 5	DSI2	1	-	20.50	19.23	-0.06	0.551	1.000	1.340	0.74
	LTE Band 66/4 (ENDC)	QPSK20M	Right Tilted	0cm	132072	50	0	Ant 5	DSI2	1	-	20.50	19.23	0.14	0.739	1.000	1.340	0.99
	LTE Band 66/4 (ENDC)	QPSK20M	Left Cheek	0cm	132072	50	0	Ant 5	DSI2	1	-	20.50	19.23	0.07	0.544	1.000	1.340	0.73
	LTE Band 66/4 (ENDC)	QPSK20M	Left Tilted	0cm	132072	50	0	Ant 5	DSI2	1	-	20.50	19.23	-0.02	0.740	1.000	1.340	0.99
	LTE Band 66/4 (ENDC)	QPSK20M	Right Tilted	0cm	132322	1	0	Ant 5	DSI2	1	-	21.50	20.15	-0.11	0.658	1.000	1.365	0.90
	LTE Band 66/4 (ENDC)	QPSK20M	Right Tilted	0cm	132572	1	0	Ant 5	DSI2	1	-	21.50	20.27	0.03	0.666	1.000	1.327	0.88
	LTE Band 66/4 (ENDC)	QPSK20M	Left Tilted	0cm	132322	1	0	Ant 5	DSI2	1	-	21.50	20.15	0.02	0.755	1.000	1.365	1.03
	LTE Band 66/4 (ENDC)	QPSK20M	Left Tilted	0cm	132572	1	0	Ant 5	DSI2	1	-	21.50	20.27	-0.07	0.770	1.000	1.327	1.02
	LTE Band 66/4 (ENDC)	QPSK20M	Right Tilted	0cm	132322	50	0	Ant 5	DSI2	1	-	20.50	19.16	0.19	0.694	1.000	1.361	0.95
	LTE Band 66/4 (ENDC)	QPSK20M	Right Tilted	0cm	132572	50	0	Ant 5	DSI2	1	-	20.50	19.06	-0.16	0.702	1.000	1.393	0.98
	LTE Band 66/4 (ENDC)	QPSK20M	Left Tilted	0cm	132322	50	0	Ant 5	DSI2	1	-	20.50	19.16	-0.02	0.705	1.000	1.361	0.96
	LTE Band 66/4 (ENDC)	QPSK20M	Left Tilted	0cm	132572	50	0	Ant 5	DSI2	1	-	20.50	19.06	-0.07	0.688	1.000	1.393	0.96
	LTE Band 66/4 (ENDC)	QPSK20M	Right Tilted	0cm	132072	100	0	Ant 5	DSI2	1	-	20.50	19.10	0.14	0.641	1.000	1.380	0.89
	LTE Band 66/4 (ENDC)	QPSK20M	Left Tilted	0cm	132072	100	0	Ant 5	DSI2	1	-	20.50	19.10	0.09	0.718	1.000	1.380	0.99
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Right Cheek	0cm	132072	1	0	Ant 5	DSI5	1	-	18.50	17.16	0.04	0.268	1.000	1.361	0.37
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Right Tilted	0cm	132072	1	0	Ant 5	DSI5	1	-	18.50	17.16	-0.07	0.309	1.000	1.361	0.42
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Left Cheek	0cm	132072	1	0	Ant 5	DSI5	1	-	18.50	17.16	0.13	0.307	1.000	1.361	0.42
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Left Tilted	0cm	132072	1	0	Ant 5	DSI5	1	-	18.50	17.16	0.06	0.313	1.000	1.361	0.43
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Right Cheek	0cm	132072	50	0	Ant 5	DSI5	1	-	17.50	16.12	-0.01	0.243	1.000	1.374	0.33
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Right Tilted	0cm	132072	50	0	Ant 5	DSI5	1	-	17.50	16.12	-0.08	0.308	1.000	1.374	0.42
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Left Cheek	0cm	132072	50	0	Ant 5	DSI5	1	-	17.50	16.12	-0.13	0.300	1.000	1.374	0.41
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Left Tilted	0cm	132072	50	0	Ant 5	DSI5	1	-	17.50	16.12	0.15	0.305	1.000	1.374	0.42
	FR1 n2	DFT-15kHz-QPSK20M	Right Cheek	0cm	376000	1	1	Ant 1	DSI4	1	-	24.50	23.39	-0.05	0.127	1.000	1.291	0.16
	FR1 n2	DFT-15kHz-QPSK20M	Right Tilted	0cm	376000	1	1	Ant 1	DSI4	1	-	24.50	23.39	-0.15	0.114	1.000	1.291	0.15
	FR1 n2	DFT-15kHz-QPSK20M	Left Cheek	0cm	376000	1	1	Ant 1	DSI4	1	-	24.50	23.39	-0.01	0.166	1.000	1.291	0.21
	FR1 n2	DFT-15kHz-QPSK20M	Left Tilted	0cm	376000	1	1	Ant 1	DSI4	1	-	24.50	23.39	-0.16	0.073	1.000	1.291	0.09
	FR1 n2	DFT-15kHz-QPSK20M	Right Cheek	0cm	376000	50	28	Ant 1	DSI4	1	-	24.50	23.37	0.07	0.116	1.000	1.297	0.15
	FR1 n2	DFT-15kHz-QPSK20M	Right Tilted	0cm	376000	50	28	Ant 1	DSI4	1	-	24.50	23.37	0.18	0.102	1.000	1.297	0.13
	FR1 n2	DFT-15kHz-QPSK20M	Left Cheek	0cm	376000	50	28	Ant 1	DSI4	1	-	24.50	23.37	-0.03	0.138	1.000	1.297	0.18
	FR1 n2	DFT-15kHz-QPSK20M	Left Tilted	0cm	376000	50	28	Ant 1	DSI4	1	-	24.50	23.37	0.12	0.066	1.000	1.297	0.09
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Cheek	0cm	376000	1	1	Ant 5	DSI2	1	-	18.50	17.69	-0.14	0.611	1.000	1.205	0.74
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Tilted	0cm	376000	1	1	Ant 5	DSI2	1	-	18.50	17.69	-0.05	0.755	1.000	1.205	0.91
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Left Cheek	0cm	376000	1	1	Ant 5	DSI2	1	-	18.50	17.69	0.05	0.391	1.000	1.205	0.47
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Left Tilted	0cm	376000	1	1	Ant 5	DSI2	1	-	18.50	17.69	-0.17	0.554	1.000	1.205	0.67
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Cheek	0cm	376000	50	28	Ant 5	DSI2	1	-	18.50	17.61	-0.15	0.641	1.000	1.227	0.79
P10	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Tilted	0cm	376000	50	28	Ant 5	DSI2	1	-	18.50	17.61	-0.02	0.844	1.000	1.227	1.04
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Left Cheek	0cm	376000	50	28	Ant 5	DSI2	1	-	18.50	17.61	0.11	0.413	1.000	1.227	0.51
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Left Tilted	0cm	376000	50	28	Ant 5	DSI2	1	-	18.50	17.61	-0.01	0.572	1.000	1.227	0.70
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Tilted	0cm	372000	1	1	Ant 5	DSI2	1	-	18.50	17.67	0.03	0.705	1.000	1.211	0.85
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Tilted	0cm	380000	1	1	Ant 5	DSI2	1	-	18.50	17.64	0.14	0.719	1.000	1.219	0.88
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Tilted	0cm	372000	50	28	Ant 5	DSI2	1	-	18.50	17.59	-0.03	0.792	1.000	1.233	0.98
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Tilted	0cm	380000	50	28	Ant 5	DSI2	1	-	18.50	17.59	-0.11	0.710	1.000	1.233	0.88
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Right Tilted	0cm	376000	100	1	Ant 5	DSI2	1	-	17.50	16.55	-0.13	0.689	1.000	1.245	0.86
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Right Cheek	0cm	376000	1	1	Ant 5	DSI5	1	-	15.50	14.60	0.04	0.332	1.000	1.230	0.41
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Right Tilted	0cm	376000	1	1	Ant 5	DSI5	1	-	15.50	14.60	0.15	0.410	1.000	1.230	0.50
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Left Cheek	0cm	376000	1	1	Ant 5	DSI5	1	-	15.50	14.60	0.03	0.212	1.000	1.230	0.26
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Left Tilted	0cm	376000	1	1	Ant 5	DSI5	1	-	15.50	14.60	-0.16	0.301	1.000	1.230	0.37
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Right Cheek	0cm	376000	50	28	Ant 5	DSI5	1	-	15.50	14.52	-0.01	0.353	1.000	1.253	0.44
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Right Tilted	0cm	376000	50	28	Ant 5	DSI5	1	-	15.50	14.52	-0.13	0.458	1.000	1.253	0.57
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Left Cheek	0cm	376000	50	28	Ant 5	DSI5	1	-	15.50	14.52	0.19	0.224	1.000	1.253	0.28
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Left Tilted	0cm	376000	50	28	Ant 5	DSI5	1	-	15.50	14.52	-0.02	0.310	1.000	1.253	0.39
	FR1 n5	DFT-15kHz-QPSK20M	Right Cheek	0cm	167300	1	1	Ant 2	DSI4	1	-	24.50	23.48	-0.19	0.141	1.000	1.265	0.18
	FR1 n5	DFT-15kHz-QPSK20M	Right Tilted	0cm	167300	1	1	Ant 2	DSI4	1	-	24.50	23.48	0.01	0.079	1.000	1.265	0.10
P11	FR1 n5	DFT-15kHz-QPSK20M	Left Cheek	0cm	167300	1	1	Ant 2	DSI4	1	-	24.50	23.48	0.04	0.147	1.000	1.265	0.19
	FR1 n5	DFT-15kHz-QPSK20M	Left Tilted	0cm	167300	1	1	Ant 2	DSI4	1	-	24.50	23.48	0.09	0.098	1.000	1.265	0.12
	FR1 n5	DFT-15kHz-QPSK20M	Right Cheek	0cm	167300	50	28	Ant 2	DSI4	1	-	24.50	23.47	-0.02	0.144	1.000	1.268	0.18
	FR1 n5	DFT-15kHz-QPSK20M	Right Tilted	0cm	167300	50	28	Ant 2	DSI4	1	-	24.50	23.47	0.09	0.079	1.000	1.268	0.10
	FR1 n5	DFT-15kHz-QPSK20M	Left Cheek	0cm	167300	50	28	Ant 2	DSI4	1	-	24.50	23.47	0.15	0.129	1.000	1.268	0.16
	FR1 n5	DFT-15kHz-QPSK20M	Left Tilted	0cm	167300	50	28	Ant 2	DSI4	1	-	24.50	23.47	0.03	0.095	1.000	1.268	0.12
	FR1 n66	DFT-15kHz-QPSK40M	Right Cheek	0cm	349000	1	1	Ant 1	DSI4	1	-	24.50	23.79	-0.05	0.134	1.000	1.178	0.16
	FR1 n66	DFT-15kHz-QPSK40M	Right Tilted	0cm	349000	1	1	Ant 1	DSI4	1	-	24.50	23.79	-0.14	0.087	1.000	1.178	0.10
	FR1 n66	DFT-15kHz-QPSK40M	Left Cheek	0cm	349000	1	1	Ant 1	DSI4	1	-	24.50	23.79	0.05	0.173	1.000	1.178	0.20
	FR1 n66	DFT-15kHz-QPSK40M	Left Tilted	0cm	349000	1	1	Ant 1	DSI4	1	-	24.50	23.79	-0.18	0.089	1.000	1.178	0.11
	FR1 n66	DFT-15kHz-QPSK40M	Right Cheek	0cm	349000	108	54	Ant 1	DSI4	1	-	24.50	23.67	-0.16	0.124	1.000	1.211	0.15
	FR1 n66	DFT-15kHz-QPSK40M	Right Tilted	0cm	349000	108	54	Ant 1	DSI4	1	-	24.50	23.67	-0.05	0.093	1.000	1.211	0.11
	FR1 n66	DFT-15kHz-QPSK40M	Left Cheek	0cm	349000	108	54	Ant 1	DSI4	1	-	24.50	23.67	-0.09	0.190	1.000	1.211	0.23
	FR1 n66	DFT-15kHz-QPSK40M	Left Tilted	0cm	349000	108	54	Ant 1	DSI4	1	-	24.50	23.67	0.15	0.088	1.000	1.211	0.11
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Right Cheek	0cm	349000	1	1	Ant 5	DSI2	1	-	19.50	19.00	-0.01	0.689	1.000	1.122	0.77
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M</																

	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	1	1	Ant 4	DSI2	1	-	21.00	19.74	0.17	0.690	1.000	1.337	0.92
	FR1 n77	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	1	1	Ant 4	DSI2	1	-	21.00	19.74	0.16	0.443	1.000	1.337	0.59
	FR1 n77	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	1	1	Ant 4	DSI2	1	-	21.00	19.74	0.09	0.237	1.000	1.337	0.32
	FR1 n77	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	1	1	Ant 4	DSI2	1	-	21.00	19.74	0.12	0.182	1.000	1.337	0.24
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	135	69	Ant 4	DSI2	1	-	21.00	19.62	-0.04	0.731	1.000	1.374	1.00
	FR1 n77	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	135	69	Ant 4	DSI2	1	-	21.00	19.62	-0.09	0.462	1.000	1.374	0.64
	FR1 n77	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	135	69	Ant 4	DSI2	1	-	21.00	19.62	0.07	0.243	1.000	1.374	0.33
	FR1 n77	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	135	69	Ant 4	DSI2	1	-	21.00	19.62	-0.02	0.199	1.000	1.374	0.27
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	270	0	Ant 4	DSI2	1	-	21.00	19.55	0.05	0.700	1.000	1.396	0.98
P13	FR1 n77 PC2	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	135	69	Ant 4	DSI2	1	-	24.00	22.37	-0.04	0.893	1.000	1.455	1.30
	FR1 n77 PC2	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	135	69	Ant 4	DSI2	2	-	24.00	22.37	0.05	0.877	1.000	1.455	1.28
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	1	1	Ant 4	DSI2	1	-	21.00	19.75	0.09	0.756	1.000	1.334	1.01
	FR1 n77	DFT-30kHz-QPSK100M	Right Tilted	0cm	662000	1	1	Ant 4	DSI2	1	-	21.00	19.75	0.13	0.489	1.000	1.334	0.65
	FR1 n77	DFT-30kHz-QPSK100M	Left Cheek	0cm	662000	1	1	Ant 4	DSI2	1	-	21.00	19.75	0.09	0.287	1.000	1.334	0.38
	FR1 n77	DFT-30kHz-QPSK100M	Left Tilted	0cm	662000	1	1	Ant 4	DSI2	1	-	21.00	19.75	0	0.239	1.000	1.334	0.32
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	135	69	Ant 4	DSI2	1	-	21.00	19.65	0.15	0.758	1.000	1.365	1.03
	FR1 n77	DFT-30kHz-QPSK100M	Right Tilted	0cm	662000	135	69	Ant 4	DSI2	1	-	21.00	19.65	-0.06	0.498	1.000	1.365	0.68
	FR1 n77	DFT-30kHz-QPSK100M	Left Cheek	0cm	662000	135	69	Ant 4	DSI2	1	-	21.00	19.65	-0.11	0.304	1.000	1.365	0.42
	FR1 n77	DFT-30kHz-QPSK100M	Left Tilted	0cm	662000	135	69	Ant 4	DSI2	1	-	21.00	19.65	0	0.261	1.000	1.365	0.36
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	650000	1	1	Ant 4	DSI2	1	-	21.00	19.49	-0.11	0.709	1.000	1.416	1.00
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	656000	1	1	Ant 4	DSI2	1	-	21.00	19.49	0.07	0.721	1.000	1.377	0.99
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	650000	135	69	Ant 4	DSI2	1	-	21.00	19.45	-0.03	0.691	1.000	1.429	0.99
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	656000	135	69	Ant 4	DSI2	1	-	21.00	19.53	-0.09	0.704	1.000	1.403	0.99
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	270	0	Ant 4	DSI2	1	-	21.00	19.63	0.17	0.761	1.000	1.371	1.04
	FR1 n77 PC2	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	135	69	Ant 4	DSI2	1	-	24.00	22.53	-0.11	0.813	1.000	1.403	1.14
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	1	1	Ant 4	DSI2	1	-	20.00	18.78	0.07	0.575	1.000	1.324	0.76
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	1	1	Ant 4	DSI2	1	-	20.00	18.78	0.14	0.338	1.000	1.324	0.45
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	1	1	Ant 4	DSI2	1	-	20.00	18.78	-0.18	0.181	1.000	1.324	0.24
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	1	1	Ant 4	DSI2	1	-	20.00	18.78	-0.01	0.139	1.000	1.324	0.18
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	135	69	Ant 4	DSI2	1	-	20.00	18.65	0.03	0.576	1.000	1.365	0.79
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	135	69	Ant 4	DSI2	1	-	20.00	18.65	0.11	0.352	1.000	1.365	0.48
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	135	69	Ant 4	DSI2	1	-	20.00	18.65	-0.07	0.185	1.000	1.365	0.25
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	135	69	Ant 4	DSI2	1	-	20.00	18.65	-0.04	0.151	1.000	1.365	0.21
	FR1 n77 PC2 (ENDC)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	135	69	Ant 4	DSI2	1	-	23.00	21.27	0.07	0.641	1.000	1.489	0.96
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	1	1	Ant 4	DSI2	1	-	20.00	18.79	0.07	0.590	1.000	1.321	0.78
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Tilted	0cm	662000	1	1	Ant 4	DSI2	1	-	20.00	18.79	0.18	0.372	1.000	1.321	0.49
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Cheek	0cm	662000	1	1	Ant 4	DSI2	1	-	20.00	18.79	0.1	0.218	1.000	1.321	0.29
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Tilted	0cm	662000	1	1	Ant 4	DSI2	1	-	20.00	18.79	-0.16	0.182	1.000	1.321	0.24
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	135	69	Ant 4	DSI2	1	-	20.00	18.72	0.15	0.587	1.000	1.343	0.79
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Right Tilted	0cm	662000	135	69	Ant 4	DSI2	1	-	20.00	18.72	-0.08	0.379	1.000	1.343	0.51
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Cheek	0cm	662000	135	69	Ant 4	DSI2	1	-	20.00	18.72	-0.19	0.231	1.000	1.343	0.31
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Left Tilted	0cm	662000	135	69	Ant 4	DSI2	1	-	20.00	18.72	0.11	0.198	1.000	1.343	0.27
	FR1 n77 PC2 (ENDC)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	135	69	Ant 4	DSI2	1	-	23.00	21.54	-0.13	0.642	1.000	1.400	0.90
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	1	1	Ant 4	DSI5	1	-	18.00	16.77	-0.09	0.452	1.000	1.327	0.60
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	1	1	Ant 4	DSI5	1	-	18.00	16.77	-0.16	0.240	1.000	1.327	0.32
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	1	1	Ant 4	DSI5	1	-	18.00	16.77	-0.06	0.128	1.000	1.327	0.17
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	1	1	Ant 4	DSI5	1	-	18.00	16.77	-0.15	0.099	1.000	1.327	0.13
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	135	69	Ant 4	DSI5	1	-	18.00	16.63	-0.19	0.446	1.000	1.371	0.61
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	135	69	Ant 4	DSI5	1	-	18.00	16.63	0.16	0.250	1.000	1.371	0.34
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	135	69	Ant 4	DSI5	1	-	18.00	16.63	0.14	0.132	1.000	1.371	0.18
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	135	69	Ant 4	DSI5	1	-	18.00	16.63	0.15	0.108	1.000	1.371	0.15
	FR1 n77 PC2 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	135	69	Ant 4	DSI5	1	-	21.00	19.32	0.04	0.478	1.000	1.472	0.70
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	1	1	Ant 4	DSI5	1	-	18.00	16.73	0.17	0.420	1.000	1.340	0.56
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	662000	1	1	Ant 4	DSI5	1	-	18.00	16.73	0.05	0.265	1.000	1.340	0.36
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	662000	1	1	Ant 4	DSI5	1	-	18.00	16.73	0.19	0.155	1.000	1.340	0.21
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	662000	1	1	Ant 4	DSI5	1	-	18.00	16.73	0.06	0.129	1.000	1.340	0.17
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	135	69	Ant 4	DSI5	1	-	18.00	16.70	-0.03	0.430	1.000	1.349	0.58
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	662000	135	69	Ant 4	DSI5	1	-	18.00	16.70	0.03	0.269	1.000	1.349	0.36
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	662000	135	69	Ant 4	DSI5	1	-	18.00	16.70	-0.14	0.164	1.000	1.349	0.22
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	662000	135	69	Ant 4	DSI5	1	-	18.00	16.70	0.09	0.141	1.000	1.349	0.19
	FR1 n77 PC2 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	135	69	Ant 4	DSI5	1	-	21.00	19.59	0.1	0.456	1.000	1.384	0.63
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	1	1	Ant 4	DSI5	1	-	17.00	15.78	0.09	0.298	1.000	1.324	0.40
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	1	1	Ant 4	DSI5	1	-	17.00	15.78	0.18	0.189	1.000	1.324	0.25
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	1	1	Ant 4	DSI5	1	-	17.00	15.78	0.05	0.101	1.000	1.324	0.13
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	1	1	Ant 4	DSI5	1	-	17.00	15.78	0.01	0.078	1.000	1.324	0.10
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	135	69	Ant 4	DSI5	1	-	17.00	15.70	0.08	0.312	1.000	1.349	0.42
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	135	69	Ant 4	DSI5	1	-	17.00	15.70	0.01	0.197	1.000	1.349	0.27
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	135	69	Ant 4	DSI5	1	-	17.00	15.70	0.03	0.104	1.000	1.349	0.14
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	135	69	Ant 4	DSI5	1	-	17.00	15.70	0.14	0.085	1.000	1.349	0.12
	FR1 n77 PC2 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	135	69	Ant 4	DSI5	1	-	20.00	18.34	-0.07	0.377	1.000	1.466	0.55
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	1	1	Ant 4	DSI5	1	-	17.00	15.76	0.12	0.331	1.000	1.330	0.44

	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	1	1	Ant 3	DSI2	1	-	23.50	22.57	0.11	0.790	1.000	1.239	0.98
	FR1 n77	DFT-30kHz-QPSK100M	Right Tilted	0cm	662000	1	1	Ant 3	DSI2	1	-	23.50	22.57	0.02	0.305	1.000	1.239	0.38
	FR1 n77	DFT-30kHz-QPSK100M	Left Cheek	0cm	662000	1	1	Ant 3	DSI2	1	-	23.50	22.57	0.16	0.254	1.000	1.239	0.32
	FR1 n77	DFT-30kHz-QPSK100M	Left Tilted	0cm	662000	1	1	Ant 3	DSI2	1	-	23.50	22.57	0.16	0.135	1.000	1.239	0.17
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	135	69	Ant 3	DSI2	1	-	23.50	22.46	-0.14	0.808	1.000	1.271	1.03
	FR1 n77	DFT-30kHz-QPSK100M	Right Tilted	0cm	662000	135	69	Ant 3	DSI2	1	-	23.50	22.46	-0.07	0.317	1.000	1.271	0.40
	FR1 n77	DFT-30kHz-QPSK100M	Left Cheek	0cm	662000	135	69	Ant 3	DSI2	1	-	23.50	22.46	-0.12	0.260	1.000	1.271	0.33
	FR1 n77	DFT-30kHz-QPSK100M	Left Tilted	0cm	662000	135	69	Ant 3	DSI2	1	-	23.50	22.46	0.06	0.140	1.000	1.271	0.18
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	650000	1	1	Ant 3	DSI2	1	-	23.50	22.26	0.09	0.805	1.000	1.330	1.07
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	650000	1	1	Ant 3	DSI2	1	-	23.50	22.41	0.08	0.826	1.000	1.285	1.06
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	650000	135	69	Ant 3	DSI2	1	-	23.50	22.24	0.04	0.891	1.000	1.337	1.19
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	650000	135	69	Ant 3	DSI2	1	-	23.50	22.39	-0.12	0.796	1.000	1.291	1.03
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	270	0	Ant 3	DSI2	1	-	23.50	22.45	0.06	0.811	1.000	1.274	1.03
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	1	1	Ant 3	DSI5	1	-	20.50	19.31	0.17	0.321	1.000	1.315	0.42
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	1	1	Ant 3	DSI5	1	-	20.50	19.31	-0.19	0.122	1.000	1.315	0.16
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	1	1	Ant 3	DSI5	1	-	20.50	19.31	-0.04	0.073	1.000	1.315	0.10
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	1	1	Ant 3	DSI5	1	-	20.50	19.31	0.06	0.045	1.000	1.315	0.06
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	135	69	Ant 3	DSI5	1	-	20.50	19.16	-0.12	0.323	1.000	1.361	0.44
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	135	69	Ant 3	DSI5	1	-	20.50	19.16	-0.19	0.127	1.000	1.361	0.17
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	135	69	Ant 3	DSI5	1	-	20.50	19.16	-0.02	0.077	1.000	1.361	0.11
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	135	69	Ant 3	DSI5	1	-	20.50	19.16	0.11	0.056	1.000	1.361	0.08
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	1	1	Ant 3	DSI5	1	-	20.50	19.74	0.01	0.395	1.000	1.191	0.47
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	662000	1	1	Ant 3	DSI5	1	-	20.50	19.74	0.09	0.141	1.000	1.191	0.17
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	662000	1	1	Ant 3	DSI5	1	-	20.50	19.74	0.02	0.117	1.000	1.191	0.14
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	662000	1	1	Ant 3	DSI5	1	-	20.50	19.74	0.18	0.062	1.000	1.191	0.07
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	662000	135	69	Ant 3	DSI5	1	-	20.50	19.58	0.06	0.416	1.000	1.236	0.51
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	662000	135	69	Ant 3	DSI5	1	-	20.50	19.58	0.11	0.146	1.000	1.236	0.18
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	662000	135	69	Ant 3	DSI5	1	-	20.50	19.58	-0.18	0.120	1.000	1.236	0.15
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	662000	135	69	Ant 3	DSI5	1	-	20.50	19.58	-0.06	0.065	1.000	1.236	0.08
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	1	1	Ant 6	DSI2	1	-	17.50	16.95	-0.04	0.476	1.000	1.135	0.54
	FR1 n77	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	1	1	Ant 6	DSI2	1	-	17.50	16.95	0.16	0.485	1.000	1.135	0.55
	FR1 n77	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	1	1	Ant 6	DSI2	1	-	17.50	16.95	0.18	0.585	1.000	1.135	0.66
	FR1 n77	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	1	1	Ant 6	DSI2	1	-	17.50	16.95	0.05	0.556	1.000	1.135	0.63
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	135	69	Ant 6	DSI2	1	-	17.50	16.86	0.17	0.533	1.000	1.159	0.62
	FR1 n77	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	135	69	Ant 6	DSI2	1	-	17.50	16.86	0.06	0.555	1.000	1.159	0.64
	FR1 n77	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	135	69	Ant 6	DSI2	1	-	17.50	16.86	0.04	0.687	1.000	1.159	0.60
	FR1 n77	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	135	69	Ant 6	DSI2	1	-	17.50	16.86	-0.18	0.529	1.000	1.159	0.61
	FR1 n77	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	270	0	Ant 6	DSI2	1	-	17.50	16.65	-0.14	0.605	1.000	1.216	0.74
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	656000	1	1	Ant 6	DSI2	1	-	17.50	17.07	-0.15	0.436	1.000	1.104	0.48
	FR1 n77	DFT-30kHz-QPSK100M	Right Tilted	0cm	656000	1	1	Ant 6	DSI2	1	-	17.50	17.07	-0.02	0.458	1.000	1.104	0.51
	FR1 n77	DFT-30kHz-QPSK100M	Left Cheek	0cm	656000	1	1	Ant 6	DSI2	1	-	17.50	17.07	-0.13	0.574	1.000	1.104	0.63
	FR1 n77	DFT-30kHz-QPSK100M	Left Tilted	0cm	656000	1	1	Ant 6	DSI2	1	-	17.50	17.07	-0.06	0.566	1.000	1.104	0.63
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	656000	135	69	Ant 6	DSI2	1	-	17.50	16.89	-0.16	0.439	1.000	1.151	0.51
	FR1 n77	DFT-30kHz-QPSK100M	Right Tilted	0cm	656000	135	69	Ant 6	DSI2	1	-	17.50	16.89	-0.11	0.469	1.000	1.151	0.54
	FR1 n77	DFT-30kHz-QPSK100M	Left Cheek	0cm	656000	135	69	Ant 6	DSI2	1	-	17.50	16.89	-0.09	0.580	1.000	1.151	0.67
	FR1 n77	DFT-30kHz-QPSK100M	Left Tilted	0cm	656000	135	69	Ant 6	DSI2	1	-	17.50	16.89	-0.06	0.529	1.000	1.151	0.61
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	1	1	Ant 6	DSI5	1	-	15.50	15.07	-0.05	0.281	1.000	1.104	0.31
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	1	1	Ant 6	DSI5	1	-	15.50	15.07	0.07	0.287	1.000	1.104	0.32
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	1	1	Ant 6	DSI5	1	-	15.50	15.07	0.17	0.346	1.000	1.104	0.38
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	1	1	Ant 6	DSI5	1	-	15.50	15.07	-0.02	0.329	1.000	1.104	0.36
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	135	69	Ant 6	DSI5	1	-	15.50	14.90	-0.19	0.315	1.000	1.148	0.36
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	135	69	Ant 6	DSI5	1	-	15.50	14.90	0.09	0.346	1.000	1.148	0.40
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	135	69	Ant 6	DSI5	1	-	15.50	14.90	0.03	0.407	1.000	1.148	0.47
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	135	69	Ant 6	DSI5	1	-	15.50	14.90	-0.05	0.394	1.000	1.148	0.45
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	656000	1	1	Ant 6	DSI5	1	-	15.50	15.13	-0.07	0.257	1.000	1.089	0.28
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	656000	1	1	Ant 6	DSI5	1	-	15.50	15.13	0.08	0.271	1.000	1.089	0.30
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	656000	1	1	Ant 6	DSI5	1	-	15.50	15.13	-0.06	0.303	1.000	1.089	0.33
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	656000	1	1	Ant 6	DSI5	1	-	15.50	15.13	0.02	0.334	1.000	1.089	0.36
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Cheek	0cm	656000	135	69	Ant 6	DSI5	1	-	15.50	15.04	-0.03	0.259	1.000	1.112	0.29
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Tilted	0cm	656000	135	69	Ant 6	DSI5	1	-	15.50	15.04	0.04	0.277	1.000	1.112	0.31
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Cheek	0cm	656000	135	69	Ant 6	DSI5	1	-	15.50	15.04	-0.05	0.343	1.000	1.112	0.38
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Tilted	0cm	656000	135	69	Ant 6	DSI5	1	-	15.50	15.04	0.04	0.354	1.000	1.112	0.39
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	1	1	Ant 8	DSI4	1	-	20.50	19.10	0.18	0.115	1.000	1.380	0.16
	FR1 n77	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	1	1	Ant 8	DSI4	1	-	20.50	19.10	-0.01	0.076	1.000	1.380	0.11
	FR1 n77	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	1	1	Ant 8	DSI4	1	-	20.50	19.10	0.06	0.857	1.000	1.380	1.18
	FR1 n77	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	1	1	Ant 8	DSI4	1	-	20.50	19.10	0.01	0.321	1.000	1.380	0.44
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	633334	135	69	Ant 8	DSI4	1	-	20.50	18.95	-0.04	0.098	1.000	1.429	0.14
	FR1 n77	DFT-30kHz-QPSK100M	Right Tilted	0cm	633334	135	69	Ant 8	DSI4	1	-	20.50	18.95	0.12	0.066	1.000	1.429	0.09
	FR1 n77	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	135	69	Ant 8	DSI4	1	-	20.50	18.95	0.11	0.778	1.000	1.429	1.11
	FR1 n77	DFT-30kHz-QPSK100M	Left Tilted	0cm	633334	135	69	Ant 8	DSI4	1	-	20.50	18.95	-0.09	0.311	1.000	1.429	0.44
	FR1 n77	DFT-30kHz-QPSK100M	Left Cheek	0cm	633334	270	0	Ant 8	DSI4	1	-	20.50	18.84	0.05	0.765	1.000	1.466	1.12
	FR1 n77	DFT-30kHz-QPSK100M	Right Cheek	0cm	656000	1	1	Ant 8	DSI4									

	WLAN 2.4G	802.11g 6Mbps	Right Cheek	0cm	1	-	-	Ant 7	DSI2	1	98.79	18.00	16.94	-0.12	0.317	1.012	1.276	0.41
	WLAN 2.4G	802.11g 6Mbps	Right Tilted	0cm	1	-	-	Ant 7	DSI2	1	98.79	18.00	16.94	0.16	0.362	1.012	1.276	0.47
P14	WLAN 2.4G	802.11g 6Mbps	Left Cheek	0cm	1	-	-	Ant 7	DSI2	1	98.79	18.00	16.94	-0.11	0.601	1.012	1.276	0.78
	WLAN 2.4G	802.11g 6Mbps	Left Tilted	0cm	1	-	-	Ant 7	DSI2	1	98.79	18.00	16.94	0.09	0.477	1.012	1.276	0.62
	WLAN 2.4G	802.11g 6Mbps	Left Cheek	0cm	1	-	-	Ant 7	DSI2	1	98.79	18.00	16.94	0.05	0.574	1.012	1.276	0.74
	WLAN 5.2G	802.11a 6Mbps	Right Cheek	0cm	48	-	-	Ant 6	DSI2	1	97.87	16.00	14.57	-0.14	0.334	1.022	1.390	0.47
	WLAN 5.2G	802.11a 6Mbps	Right Tilted	0cm	48	-	-	Ant 6	DSI2	1	97.87	16.00	14.57	0.06	0.369	1.022	1.390	0.52
P15	WLAN 5.2G	802.11a 6Mbps	Left Cheek	0cm	48	-	-	Ant 6	DSI2	1	97.87	16.00	14.57	-0.03	0.460	1.022	1.390	0.65
	WLAN 5.2G	802.11a 6Mbps	Left Tilted	0cm	48	-	-	Ant 6	DSI2	1	97.87	16.00	14.57	0.19	0.389	1.022	1.390	0.55
	WLAN 5.3G	802.11n-HT20 MCS0	Right Cheek	0cm	60	-	-	Ant 6	DSI2	1	97.72	15.00	14.26	-0.04	0.388	1.023	1.186	0.47
	WLAN 5.3G	802.11n-HT20 MCS0	Right Tilted	0cm	60	-	-	Ant 6	DSI2	1	97.72	15.00	14.26	0.14	0.395	1.023	1.186	0.48
	WLAN 5.3G	802.11n-HT20 MCS0	Left Cheek	0cm	60	-	-	Ant 6	DSI2	1	97.72	15.00	14.26	-0.06	0.417	1.023	1.186	0.51
P16	WLAN 5.3G	802.11n-HT20 MCS0	Left Tilted	0cm	60	-	-	Ant 6	DSI2	1	97.72	15.00	14.26	-0.09	0.551	1.023	1.186	0.67
	WLAN 5.5G	802.11a 6Mbps	Right Cheek	0cm	144	-	-	Ant 6	DSI2	1	97.87	15.00	14.09	0.18	0.361	1.022	1.233	0.46
	WLAN 5.5G	802.11a 6Mbps	Right Tilted	0cm	144	-	-	Ant 6	DSI2	1	97.87	15.00	14.09	0.13	0.387	1.022	1.233	0.49
	WLAN 5.5G	802.11a 6Mbps	Left Cheek	0cm	144	-	-	Ant 6	DSI2	1	97.87	15.00	14.09	-0.07	0.390	1.022	1.233	0.49
P17	WLAN 5.5G	802.11a 6Mbps	Left Tilted	0cm	144	-	-	Ant 6	DSI2	1	97.87	15.00	14.09	-0.06	0.547	1.022	1.233	0.69
	WLAN 5.8G	802.11a 6Mbps	Right Cheek	0cm	149	-	-	Ant 6	DSI2	1	98.35	14.50	13.85	0.14	0.456	1.017	1.161	0.54
	WLAN 5.8G	802.11a 6Mbps	Right Tilted	0cm	149	-	-	Ant 6	DSI2	1	98.35	14.50	13.85	-0.13	0.487	1.017	1.161	0.58
	WLAN 5.8G	802.11a 6Mbps	Left Cheek	0cm	149	-	-	Ant 6	DSI2	1	98.35	14.50	13.85	0.05	0.474	1.017	1.161	0.56
P18	WLAN 5.8G	802.11a 6Mbps	Left Tilted	0cm	149	-	-	Ant 6	DSI2	1	98.35	14.50	13.85	-0.02	0.552	1.017	1.161	0.65
	BT	GFSK	Right Cheek	0cm	0	-	-	Ant 7	DSI5	1	77.23	13.00	11.69	0	0.000	1.295	1.352	0.00
	BT	GFSK	Right Tilted	0cm	0	-	-	Ant 7	DSI5	1	77.23	13.00	11.69	0	0.000	1.295	1.352	0.00
P19	BT	GFSK	Left Cheek	0cm	0	-	-	Ant 7	DSI5	1	77.23	13.00	11.69	0.05	0.101	1.295	1.352	0.18
	BT	GFSK	Left Tilted	0cm	0	-	-	Ant 7	DSI5	1	77.23	13.00	11.69	0.14	0.052	1.295	1.352	0.09

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 Time-avg (dBm)	Conducted Power (dBm)	Power Drift	SAR 1g	Duty Cycle Scaling	Scaling Factor	Scaled 1g SAR	
P20	GSM850	GPRS 2Tx Slot	Front Face	1cm	128	-	-	Ant 2	DSI4	1	-	31.50	30.98	-0.04	0.143	1.000	1.127	0.16	
	GSM850	GPRS 2Tx Slot	Rear Face	1cm	128	-	-	Ant 2	DSI4	1	-	31.50	30.98	0.04	0.413	1.000	1.127	0.47	
P21	GSM1900	GPRS 2Tx Slot	Front Face	1cm	512	-	-	Ant 1	DSI4	1	-	29.50	28.53	0.16	0.228	1.000	1.250	0.29	
	GSM1900	GPRS 2Tx Slot	Rear Face	1cm	512	-	-	Ant 1	DSI4	1	-	29.50	28.53	-0.05	0.629	1.000	1.250	0.79	
P22	WCDMA II	RMC12.2K	Front Face	1cm	9262	-	-	Ant 1	DSI3	1	-	23.00	22.41	0.05	0.335	1.000	1.146	0.38	
	WCDMA II	RMC12.2K	Rear Face	1cm	9262	-	-	Ant 1	DSI3	1	-	23.00	22.41	-0.09	0.726	1.000	1.146	0.83	
	WCDMA II	RMC12.2K	Rear Face	1cm	9400	-	-	Ant 1	DSI3	1	-	23.00	22.36	-0.09	0.711	1.000	1.159	0.82	
	WCDMA II	RMC12.2K	Rear Face	1cm	9538	-	-	Ant 1	DSI3	1	-	23.00	22.40	0.04	0.703	1.000	1.148	0.81	
	WCDMA II	RMC12.2K	Front Face	1.4cm	9262	-	-	Ant 1	DSI4	1	-	25.00	24.35	0.06	0.289	1.000	1.161	0.34	
	WCDMA II	RMC12.2K	Rear Face	2.4cm	9262	-	-	Ant 1	DSI4	1	-	25.00	24.35	-0.11	0.247	1.000	1.161	0.29	
	WCDMA II (Sim-Tx)	RMC12.2K	Front Face	1cm	9262	-	-	Ant 1	DSI4	1	-	22.50	21.97	-0.02	0.253	1.000	1.130	0.29	
	WCDMA II (Sim-Tx)	RMC12.2K	Rear Face	1cm	9262	-	-	Ant 1	DSI4	1	-	22.50	21.97	0.01	0.604	1.000	1.130	0.68	
P23	WCDMA V	RMC12.2K	Front Face	1cm	4233	-	-	Ant 2	DSI4	1	-	25.00	24.27	-0.01	0.169	1.000	1.183	0.20	
	WCDMA V	RMC12.2K	Rear Face	1cm	4233	-	-	Ant 2	DSI4	1	-	25.00	24.27	0.03	0.323	1.000	1.183	0.38	
P24	LTE Band 2	QPSK20M	Front Face	1cm	18900	1	0	Ant 1	DSI3	1	-	23.00	22.15	-0.17	0.279	1.000	1.216	0.34	
	LTE Band 2	QPSK20M	Rear Face	1cm	18900	1	0	Ant 1	DSI3	1	-	23.00	22.15	-0.02	0.667	1.000	1.216	0.81	
	LTE Band 2	QPSK20M	Front Face	1cm	18900	50	50	Ant 1	DSI3	1	-	22.00	21.14	-0.13	0.203	1.000	1.219	0.25	
	LTE Band 2	QPSK20M	Rear Face	1cm	18900	50	50	Ant 1	DSI3	1	-	22.00	21.14	-0.14	0.621	1.000	1.219	0.76	
	LTE Band 2	QPSK20M	Rear Face	1cm	18700	1	0	Ant 1	DSI3	1	-	23.00	22.13	0.11	0.625	1.000	1.222	0.76	
	LTE Band 2	QPSK20M	Rear Face	1cm	19100	1	0	Ant 1	DSI3	1	-	23.00	22.08	0.07	0.694	1.000	1.236	0.86	
	LTE Band 2	QPSK20M	Rear Face	1cm	18900	100	0	Ant 1	DSI3	1	-	22.00	21.04	-0.03	0.578	1.000	1.247	0.72	
	LTE Band 2	QPSK20M	Front Face	1.4cm	18900	1	0	Ant 1	DSI4	1	-	24.50	23.55	0.01	0.216	1.000	1.245	0.27	
	LTE Band 2	QPSK20M	Rear Face	2.4cm	18900	1	0	Ant 1	DSI4	1	-	24.50	23.55	-0.15	0.201	1.000	1.245	0.25	
	LTE Band 2 (Sim-Tx)	QPSK20M	Front Face	1cm	18900	1	0	Ant 1	DSI6	1	-	23.00	22.15	-0.17	0.279	1.000	1.216	0.34	
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	1cm	18900	1	0	Ant 1	DSI6	1	-	23.00	22.15	-0.02	0.667	1.000	1.216	0.81	
	LTE Band 2 (Sim-Tx)	QPSK20M	Front Face	1cm	18900	50	50	Ant 1	DSI6	1	-	22.00	21.14	-0.13	0.203	1.000	1.219	0.25	
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	1cm	18900	50	50	Ant 1	DSI6	1	-	22.00	21.14	-0.14	0.621	1.000	1.219	0.76	
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	1cm	18700	1	0	Ant 1	DSI6	1	-	23.00	22.13	0.11	0.625	1.000	1.222	0.76	
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	1cm	19100	1	0	Ant 1	DSI6	1	-	23.00	22.08	0.07	0.694	1.000	1.236	0.86	
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	1cm	18900	100	0	Ant 1	DSI6	1	-	22.00	21.04	-0.03	0.578	1.000	1.247	0.72	
	LTE Band 2 (ENDC)	QPSK20M	Front Face	1cm	18900	1	0	Ant 1	DSI3	1	-	22.00	21.15	-0.18	0.205	1.000	1.216	0.25	
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	1cm	18900	1	0	Ant 1	DSI3	1	-	22.00	21.15	0.06	0.456	1.000	1.216	0.56	
	LTE Band 2 (ENDC)	QPSK20M	Front Face	1cm	18900	50	50	Ant 1	DSI3	1	-	21.00	20.11	-0.12	0.149	1.000	1.227	0.18	
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	1cm	18900	50	50	Ant 1	DSI3	1	-	21.00	20.11	-0.03	0.359	1.000	1.227	0.44	
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	18900	1	0	Ant 1	DSI6	1	-	20.50	19.70	-0.14	0.134	1.000	1.202	0.16	
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	18900	1	0	Ant 1	DSI6	1	-	20.50	19.70	-0.06	0.297	1.000	1.202	0.36	
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	18900	50	50	Ant 1	DSI6	1	-	19.50	18.64	-0.1	0.097	1.000	1.219	0.12	
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	18900	50	50	Ant 1	DSI6	1	-	19.50	18.64	-0.13	0.234	1.000	1.219	0.29	
	LTE Band 2 (ENDC)	QPSK20M	Front Face	1cm	18900	1	0	Ant 5	DSI3	1	-	21.00	19.90	-0.01	0.223	1.000	1.288	0.29	
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	1cm	18900	1	0	Ant 5	DSI3	1	-	21.00	19.90	-0.05	0.599	1.000	1.288	0.77	
	LTE Band 2 (ENDC)	QPSK20M	Front Face	1cm	18900	50	50	Ant 5	DSI3	1	-	20.00	18.72	-0.04	0.169	1.000	1.343	0.23	
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	1cm	18900	50	50	Ant 5	DSI3	1	-	20.00	18.72	0.01	0.372	1.000	1.343	0.50	
	LTE Band 2 (ENDC)	QPSK20M	Front Face	1.5cm	18900	1	0	Ant 5	DSI4	1	-	24.50	23.28	-0.19	0.253	1.000	1.324	0.34	
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	2.3cm	18900	1	0	Ant 5	DSI4	1	-	24.50	23.28	-0.05	0.203	1.000	1.324	0.27	
	LTE Band 2 (ENDC)	QPSK20M	Front Face	1.5cm	18900	50	50	Ant 5	DSI4	1	-	23.50	22.10	-0.07	0.203	1.000	1.380	0.28	
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	2.3cm	18900	50	50	Ant 5	DSI4	1	-	23.50	22.10	-0.11	0.166	1.000	1.380	0.23	
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	18900	1	0	Ant 5	DSI6	1	-	19.50	18.37	0.11	0.154	1.000	1.297	0.20	
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	18900	1	0	Ant 5	DSI6	1	-	19.50	18.37	-0.09	0.305	1.000	1.297	0.40	
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	18900	50	50	Ant 5	DSI6	1	-	18.50	17.19	-0.08	0.117	1.000	1.352	0.16	
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	18900	50	50	Ant 5	DSI6	1	-	18.50	17.19	0.03	0.317	1.000	1.352	0.43	
	P25	LTE Band 5	QPSK10M	Front Face	1cm	20450	1	24	Ant 2	DSI4	1	-	25.50	24.03	-0.11	0.186	1.000	1.403	0.26
		LTE Band 5	QPSK10M	Rear Face	1cm	20450	1	24	Ant 2	DSI4	1	-	25.50	24.03	-0.04	0.249	1.000	1.403	0.35
LTE Band 5		QPSK10M	Front Face	1cm	20450	25	12	Ant 2	DSI4	1	-	24.50	23.06	-0.06	0.148	1.000	1.393	0.21	
LTE Band 5		QPSK10M	Rear Face	1cm	20450	25	12	Ant 2	DSI4	1	-	24.50	23.06	-0.15	0.244	1.000	1.393	0.34	
	LTE Band 5B	QPSK10M	Rear Face	1cm	PCC:20450 SCC:20549	1	49	Ant 2	DSI4	1	-	25.50	24.76	0.17	0.208	1.000	1.186	0.25	
P26	LTE Band 12	QPSK10M	Front Face	1cm	23060	1	24	Ant 2	DSI4	1	-	25.50	24.12	-0.09	0.118	1.000	1.374	0.16	
	LTE Band 12	QPSK10M	Rear Face	1cm	23060	1	24	Ant 2	DSI4	1	-	25.50	24.12	0.01	0.179	1.000	1.374	0.25	
	LTE Band 12	QPSK10M	Front Face	1cm	23060	25	12	Ant 2	DSI4	1	-	24.50	23.21	-0.05	0.090	1.000	1.346	0.12	
	LTE Band 12	QPSK10M	Rear Face	1cm	23060	25	12	Ant 2	DSI4	1	-	24.50	23.21	0.15	0.152	1.000	1.346	0.21	
P27	LTE Band 13	QPSK10M	Front Face	1cm	23230	1	24	Ant 2	DSI4	1	-	25.50	24.11	-0.02	0.134	1.000	1.377	0.19	
	LTE Band 13	QPSK10M	Rear Face	1cm	23230	1	24	Ant 2	DSI4	1	-	25.50	24.11	-0.11	0.204	1.000	1.377	0.28	
	LTE Band 13	QPSK10M	Front Face	1cm	23230	25	12	Ant 2	DSI4	1	-	24.50	23.12	0.15	0.123	1.000	1.374	0.17	
	LTE Band 13	QPSK10M	Rear Face	1cm	23230	25	12	Ant 2	DSI4	1	-	24.50	23.12	0.09	0.199	1.000	1.374	0.27	
P28	LTE Band 66/4	QPSK20M	Front Face	1cm	132072	1	0	Ant 1	DSI3	1	-	22.50	21.70	-0.07	0.275	1.000	1.202	0.33	
	LTE Band 66/4	QPSK20M	Rear Face	1cm	132072	1	0	Ant 1	DSI3	1	-	22.50	21.70	-0.13	0.721	1.000	1.202	0.87	
	LTE Band 66/4	QPSK20M	Front Face	1cm															

		LTE Band 66/4 (Sim-Tx)	QPSK20M	Front Face	1cm	132072	1	0	Ant 1	DSi6	1	-	22.50	21.70	-0.07	0.275	1.000	1.202	0.33
		LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132072	1	0	Ant 1	DSi6	1	-	22.50	21.70	-0.13	0.721	1.000	1.202	0.87
		LTE Band 66/4 (Sim-Tx)	QPSK20M	Front Face	1cm	132072	50	0	Ant 1	DSi6	1	-	21.50	20.75	-0.1	0.207	1.000	1.189	0.25
		LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132072	50	0	Ant 1	DSi6	1	-	21.50	20.75	0.13	0.665	1.000	1.189	0.79
		LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132322	1	0	Ant 1	DSi6	1	-	22.50	21.61	0.04	0.801	1.000	1.227	0.74
		LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132572	1	0	Ant 1	DSi6	1	-	22.50	21.47	0.02	0.586	1.000	1.268	0.74
		LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132322	50	0	Ant 1	DSi6	1	-	21.50	20.64	0.18	0.615	1.000	1.219	0.75
		LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132572	50	0	Ant 1	DSi6	1	-	21.50	20.63	-0.07	0.591	1.000	1.222	0.72
		LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132072	100	0	Ant 1	DSi6	1	-	21.50	20.73	0.14	0.669	1.000	1.194	0.80
		LTE Band 66/4 (ENDC)	QPSK20M	Front Face	1cm	132072	1	0	Ant 1	DSi3	1	-	20.50	19.66	0.12	0.173	1.000	1.213	0.21
		LTE Band 66/4 (ENDC)	QPSK20M	Rear Face	1cm	132072	1	0	Ant 1	DSi3	1	-	20.50	19.66	0.07	0.414	1.000	1.213	0.60
		LTE Band 66/4 (ENDC)	QPSK20M	Front Face	1cm	132072	50	0	Ant 1	DSi3	1	-	20.50	18.76	0.16	0.130	1.000	1.493	0.19
		LTE Band 66/4 (ENDC)	QPSK20M	Rear Face	1cm	132072	50	0	Ant 1	DSi3	1	-	20.50	18.76	-0.07	0.316	1.000	1.493	0.47
		LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	132072	1	0	Ant 1	DSi6	1	-	19.50	18.63	0.09	0.133	1.000	1.222	0.16
		LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	132072	1	0	Ant 1	DSi6	1	-	19.50	18.63	0.04	0.315	1.000	1.222	0.39
		LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	132072	50	0	Ant 1	DSi6	1	-	18.50	17.70	-0.04	0.100	1.000	1.202	0.12
		LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	132072	50	0	Ant 1	DSi6	1	-	18.50	17.70	-0.07	0.343	1.000	1.202	0.41
		LTE Band 66/4 (ENDC)	QPSK20M	Front Face	1cm	132072	1	0	Ant 5	DSi3	1	-	22.00	20.66	-0.06	0.300	1.000	1.361	0.41
		LTE Band 66/4 (ENDC)	QPSK20M	Rear Face	1cm	132072	1	0	Ant 5	DSi3	1	-	22.00	20.66	0.04	0.465	1.000	1.361	0.63
		LTE Band 66/4 (ENDC)	QPSK20M	Front Face	1cm	132072	50	0	Ant 5	DSi3	1	-	21.00	19.60	-0.12	0.230	1.000	1.380	0.32
		LTE Band 66/4 (ENDC)	QPSK20M	Rear Face	1cm	132072	50	0	Ant 5	DSi3	1	-	21.00	19.60	-0.05	0.383	1.000	1.380	0.53
		LTE Band 66/4 (ENDC)	QPSK20M	Front Face	1.5cm	132072	1	0	Ant 5	DSi4	1	-	24.50	23.07	-0.14	0.224	1.000	1.390	0.31
		LTE Band 66/4 (ENDC)	QPSK20M	Rear Face	2.3cm	132072	1	0	Ant 5	DSi4	1	-	24.50	23.07	-0.13	0.144	1.000	1.390	0.20
		LTE Band 66/4 (ENDC)	QPSK20M	Front Face	1.5cm	132072	50	0	Ant 5	DSi4	1	-	23.50	22.00	0.05	0.172	1.000	1.413	0.24
		LTE Band 66/4 (ENDC)	QPSK20M	Rear Face	2.3cm	132072	50	0	Ant 5	DSi4	1	-	23.50	22.00	-0.19	0.117	1.000	1.413	0.17
		LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	132072	1	0	Ant 5	DSi6	1	-	21.00	19.73	-0.06	0.207	1.000	1.340	0.28
		LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	132072	1	0	Ant 5	DSi6	1	-	21.00	19.73	-0.07	0.321	1.000	1.340	0.43
		LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	132072	50	0	Ant 5	DSi6	1	-	20.00	18.62	0.14	0.159	1.000	1.374	0.22
		LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	132072	50	0	Ant 5	DSi6	1	-	20.00	18.62	-0.09	0.264	1.000	1.374	0.36
		FR1 n2	DFT-15KHz-QPSK20M	Front Face	1cm	376000	1	1	Ant 1	DSi3	1	-	22.00	21.02	0.08	0.264	1.000	1.253	0.33
		FR1 n2	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	1	1	Ant 1	DSi3	1	-	22.00	21.02	-0.11	0.706	1.000	1.253	0.89
		FR1 n2	DFT-15KHz-QPSK20M	Front Face	1cm	376000	50	28	Ant 1	DSi3	1	-	22.00	20.93	-0.05	0.213	1.000	1.279	0.27
		FR1 n2	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	50	28	Ant 1	DSi3	1	-	22.00	20.93	0.13	0.568	1.000	1.279	0.73
		FR1 n2	DFT-15KHz-QPSK20M	Rear Face	1cm	372000	1	1	Ant 1	DSi3	1	-	22.00	20.99	0.09	0.657	1.000	1.262	0.83
		FR1 n2	DFT-15KHz-QPSK20M	Rear Face	1cm	380000	1	1	Ant 1	DSi3	1	-	22.00	21.01	-0.17	0.639	1.000	1.256	0.80
		FR1 n2	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	100	0	Ant 1	DSi3	1	-	21.00	20.60	-0.01	0.635	1.000	1.096	0.70
		FR1 n2	DFT-15KHz-QPSK20M	Front Face	1.4cm	376000	1	1	Ant 1	DSi4	1	-	24.50	23.39	0.06	0.233	1.000	1.291	0.30
		FR1 n2	DFT-15KHz-QPSK20M	Rear Face	2.4cm	376000	1	1	Ant 1	DSi4	1	-	24.50	23.39	0.09	0.223	1.000	1.291	0.29
		FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Front Face	1cm	376000	1	1	Ant 1	DSi6	1	-	22.00	21.02	0.08	0.264	1.000	1.253	0.33
		FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	1	1	Ant 1	DSi6	1	-	22.00	21.02	-0.11	0.706	1.000	1.253	0.89
		FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Front Face	1cm	376000	50	28	Ant 1	DSi6	1	-	22.00	20.93	-0.05	0.213	1.000	1.279	0.27
		FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	50	28	Ant 1	DSi6	1	-	22.00	20.93	0.13	0.568	1.000	1.279	0.73
		FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Rear Face	1cm	372000	1	1	Ant 1	DSi6	1	-	22.00	20.99	0.09	0.657	1.000	1.262	0.83
		FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Rear Face	1cm	380000	1	1	Ant 1	DSi6	1	-	22.00	21.01	-0.17	0.639	1.000	1.256	0.80
		FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	100	0	Ant 1	DSi6	1	-	21.00	20.60	-0.01	0.635	1.000	1.096	0.70
		FR1 n2 (ENDC)	DFT-15KHz-QPSK20M	Front Face	1cm	376000	1	1	Ant 5	DSi3	1	-	20.00	19.09	-0.1	0.225	1.000	1.233	0.28
		FR1 n2 (ENDC)	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	1	1	Ant 5	DSi3	1	-	20.00	19.09	-0.02	0.465	1.000	1.233	0.57
		FR1 n2 (ENDC)	DFT-15KHz-QPSK20M	Front Face	1cm	376000	50	28	Ant 5	DSi3	1	-	20.00	18.96	0.18	0.227	1.000	1.271	0.29
		FR1 n2 (ENDC)	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	50	28	Ant 5	DSi3	1	-	20.00	18.96	0.05	0.482	1.000	1.271	0.61
		FR1 n2 ENDC	DFT-15KHz-QPSK20M	Front Face	1.5cm	376000	1	1	Ant 5	DSi4	1	-	24.50	23.49	-0.12	0.266	1.000	1.262	0.34
		FR1 n2 ENDC	DFT-15KHz-QPSK20M	Rear Face	2.3cm	376000	1	1	Ant 5	DSi4	1	-	24.50	23.49	-0.07	0.224	1.000	1.262	0.28
		FR1 n2 ENDC	DFT-15KHz-QPSK20M	Front Face	1.5cm	376000	50	28	Ant 5	DSi4	1	-	24.50	23.42	0.03	0.261	1.000	1.282	0.34
		FR1 n2 ENDC	DFT-15KHz-QPSK20M	Rear Face	2.3cm	376000	50	28	Ant 5	DSi4	1	-	24.50	23.42	-0.17	0.224	1.000	1.282	0.29
		FR1 n2 (ENDC&Sim-Tx)	DFT-15KHz-QPSK20M	Front Face	1cm	376000	1	1	Ant 5	DSi6	1	-	19.00	18.15	-0.14	0.175	1.000	1.216	0.21
		FR1 n2 (ENDC&Sim-Tx)	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	1	1	Ant 5	DSi6	1	-	19.00	18.15	0.01	0.363	1.000	1.216	0.44
		FR1 n2 (ENDC&Sim-Tx)	DFT-15KHz-QPSK20M	Front Face	1cm	376000	50	28	Ant 5	DSi6	1	-	19.00	18.06	0.06	0.177	1.000	1.242	0.22
		FR1 n2 (ENDC&Sim-Tx)	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	50	28	Ant 5	DSi6	1	-	19.00	18.06	-0.07	0.351	1.000	1.242	0.44
		FR1 n5	DFT-15KHz-QPSK20M	Front Face	1cm	167300	1	1	Ant 2	DSi4	1	-	24.50	23.48	-0.03	0.179	1.000	1.265	0.23
		FR1 n5	DFT-15KHz-QPSK20M	Rear Face	1cm	167300	1	1	Ant 2	DSi4	1	-	24.50	23.48	-0.12	0.306	1.000	1.265	0.39
		FR1 n5	DFT-15KHz-QPSK20M	Front Face	1cm	167300	50	28	Ant 2	DSi4	1	-	24.50	23.47	0.19	0.180	1.000	1.268	0.23
		FR1 n5	DFT-15KHz-QPSK20M	Rear Face	1cm	167300	50	28	Ant 2	DSi4	1	-	24.50	23.47	0.05	0.304	1.000	1.268	0.39
		FR1 n66	DFT-15KHz-QPSK40M	Front Face	1cm	349000	1	1	Ant 1	DSi3	1	-	22.00	21.37	0.07	0.346	1.000	1.156	0.40
		FR1 n66	DFT-15KHz-QPSK40M	Rear Face	1cm	349000	1	1	Ant 1	DSi3	1	-	22.00	21.37	0.05	0.703	1.000	1.156	0.81
		FR1 n66	DFT-15KHz-QPSK40M	Front Face	1cm	349000	108	54	Ant 1	DSi3	1	-	22.00	21.24	-0.2	0.334	1.000	1.191	0.40
		FR1 n66	DFT-15KHz-QPSK40M	Rear Face	1cm	349000	108	54	Ant 1	DSi3	1	-	22.00	21.24	-0.03	0.734	1.000	1.191	0.87
		FR1 n66	DFT-15KHz-QPSK40M	Rear Face	1cm	346000	1	1	Ant 1	DSi3	1	-	22.00	21.32	0.09	0.697	1.000	1.169	0.82
		FR1 n66	DFT-15KHz-QPSK40M	Rear Face	1cm	35200													

	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Front Face	1cm	349000	1	1	Ant 5	DSi6	1	-	20.50	19.89	-0.14	0.159	1.000	1.151	0.18
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	1	1	Ant 5	DSi6	1	-	20.50	19.89	0.06	0.343	1.000	1.151	0.40
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Front Face	1cm	349000	108	54	Ant 5	DSi6	1	-	20.50	19.81	0.1	0.171	1.000	1.172	0.20
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	108	54	Ant 5	DSi6	1	-	20.50	19.81	-0.16	0.389	1.000	1.172	0.46
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 4	DSi3	1	-	19.00	17.74	-0.03	0.213	1.000	1.337	0.29
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSi3	1	-	19.00	17.74	-0.01	0.384	1.000	1.337	0.51
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 4	DSi3	1	-	19.00	17.62	-0.09	0.210	1.000	1.374	0.29
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 4	DSi3	1	-	19.00	17.62	0.18	0.369	1.000	1.374	0.51
	FR1 n77 PC2	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSi3	1	-	22.00	20.45	0.08	0.427	1.000	1.429	0.61
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1.5cm	633334	1	1	Ant 4	DSi4	1	-	24.50	23.16	-0.11	0.251	1.000	1.361	0.34
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	2.3cm	633334	1	1	Ant 4	DSi4	1	-	24.50	23.16	-0.17	0.206	1.000	1.361	0.28
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1.5cm	633334	135	69	Ant 4	DSi4	1	-	24.50	23.06	-0.05	0.266	1.000	1.393	0.37
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	2.3cm	633334	135	69	Ant 4	DSi4	1	-	24.50	23.06	-0.17	0.200	1.000	1.393	0.28
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	662000	1	1	Ant 4	DSi3	1	-	19.00	17.75	-0.05	0.219	1.000	1.334	0.29
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 4	DSi3	1	-	19.00	17.75	-0.17	0.515	1.000	1.334	0.69
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	662000	135	69	Ant 4	DSi3	1	-	19.00	17.65	-0.07	0.215	1.000	1.365	0.29
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	69	Ant 4	DSi3	1	-	19.00	17.65	0.01	0.432	1.000	1.365	0.59
	FR1 n77 PC2	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 4	DSi3	1	-	22.00	20.79	-0.05	0.555	1.000	1.321	0.73
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1.5cm	662000	1	1	Ant 4	DSi4	1	-	24.50	23.14	-0.03	0.264	1.000	1.368	0.36
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	2.3cm	662000	1	1	Ant 4	DSi4	1	-	24.50	23.14	0.18	0.412	1.000	1.368	0.56
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1.5cm	662000	135	69	Ant 4	DSi4	1	-	24.50	23.08	0.14	0.275	1.000	1.387	0.38
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	2.3cm	662000	135	69	Ant 4	DSi4	1	-	24.50	23.08	0.09	0.420	1.000	1.387	0.58
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 4	DSi3	1	-	18.50	17.20	0.17	0.154	1.000	1.349	0.21
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSi3	1	-	18.50	17.20	-0.04	0.278	1.000	1.349	0.38
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 4	DSi3	1	-	18.50	17.18	0.03	0.152	1.000	1.355	0.21
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 4	DSi3	1	-	18.50	17.18	0.13	0.267	1.000	1.355	0.36
	FR1 n77 PC2 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSi3	1	-	21.50	20.10	-0.14	0.309	1.000	1.380	0.43
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	1	1	Ant 4	DSi3	1	-	18.50	17.23	-0.15	0.159	1.000	1.340	0.21
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 4	DSi3	1	-	18.50	17.23	-0.05	0.370	1.000	1.340	0.50
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	135	69	Ant 4	DSi3	1	-	18.50	17.12	0.08	0.156	1.000	1.374	0.21
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	69	Ant 4	DSi3	1	-	18.50	17.12	-0.08	0.384	1.000	1.374	0.53
	FR1 n77 PC2 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 4	DSi3	1	-	21.50	20.16	-0.18	0.402	1.000	1.361	0.55
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 4	DSi6	1	-	18.50	17.20	0.17	0.154	1.000	1.349	0.21
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSi6	1	-	18.50	17.20	-0.04	0.278	1.000	1.349	0.38
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 4	DSi6	1	-	18.50	17.18	0.03	0.152	1.000	1.355	0.21
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 4	DSi6	1	-	18.50	17.18	0.13	0.267	1.000	1.355	0.36
	FR1 n77 PC2 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSi6	1	-	21.50	20.10	-0.14	0.309	1.000	1.380	0.43
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	1	1	Ant 4	DSi6	1	-	18.50	17.23	-0.15	0.159	1.000	1.340	0.21
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 4	DSi6	1	-	18.50	17.23	-0.05	0.370	1.000	1.340	0.50
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	135	69	Ant 4	DSi6	1	-	18.50	17.12	0.08	0.156	1.000	1.374	0.21
	FR1 n77 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	69	Ant 4	DSi6	1	-	18.50	17.12	-0.08	0.384	1.000	1.374	0.53
	FR1 n77 PC2 (ENDC)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 4	DSi6	1	-	21.50	20.16	-0.18	0.402	1.000	1.361	0.55
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 4	DSi6	1	-	15.50	14.26	0.19	0.096	1.000	1.330	0.13
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSi6	1	-	15.50	14.26	-0.13	0.174	1.000	1.330	0.23
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 4	DSi6	1	-	15.50	14.21	-0.14	0.095	1.000	1.346	0.13
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 4	DSi6	1	-	15.50	14.21	0.01	0.167	1.000	1.346	0.23
	FR1 n77 PC2 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSi6	1	-	18.50	16.96	0.18	0.193	1.000	1.426	0.26
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	1	1	Ant 4	DSi6	1	-	15.50	14.30	0.04	0.099	1.000	1.318	0.13
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 4	DSi6	1	-	15.50	14.30	-0.06	0.231	1.000	1.318	0.31
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	135	69	Ant 4	DSi6	1	-	15.50	14.22	0.12	0.098	1.000	1.343	0.13
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	69	Ant 4	DSi6	1	-	15.50	14.22	0.12	0.240	1.000	1.343	0.32
	FR1 n77 PC2 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	69	Ant 4	DSi6	1	-	18.50	17.08	0.11	0.251	1.000	1.387	0.35
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 3	DSi4	1	-	18.50	17.39	-0.07	0.046	1.000	1.291	0.06
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 3	DSi4	1	-	18.50	17.39	0.14	0.492	1.000	1.291	0.64
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 3	DSi4	1	-	18.50	17.21	0.13	0.043	1.000	1.346	0.06
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 3	DSi4	1	-	18.50	17.21	0.01	0.478	1.000	1.346	0.64
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	662000	1	1	Ant 3	DSi4	1	-	18.50	17.77	0.17	0.062	1.000	1.183	0.07
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 3	DSi4	1	-	18.50	17.77	-0.05	0.606	1.000	1.183	0.72
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	662000	135	69	Ant 3	DSi4	1	-	18.50	17.61	0.15	0.064	1.000	1.227	0.08
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	69	Ant 3	DSi4	1	-	18.50	17.61	0.18	0.630	1.000	1.227	0.77
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	650000	1	1	Ant 3	DSi4	1	-	18.50	17.48	-0.04	0.657	1.000	1.265	0.83
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	650000	1	1	Ant 3	DSi4	1	-	18.50	17.56	-0.18	0.866	1.000	1.242	0.83
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	650000	135	69	Ant 3	DSi4	1	-	18.50	17.46	0.05	0.889	1.000	1.271	0.88
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	650000	135	69	Ant 3	DSi4	1	-	18.50	17.52	0.13	0.621	1.000	1.253	0.78
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	270	0	Ant 3	DSi4	1	-	18.50	17.66	-0.04	0.614	1.000	1.213	0.75
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 3	DSi4	1	-	17.00	15.86	-0.12	0.031	1.000	1.300	0.04
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 3	DSi4	1	-	17.00	15.86	0.04	0.226	1.000	1.300	0.29
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 3	DSi4	1	-	17.00	15.84	0.09	0.029	1.000	1.306	0.04
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 3	DSi4	1	-	17.00	15.84	0.1	0.237	1.000	1.306	0.31
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	1	1	Ant 3	DSi4	1	-	17.00	16.29	0.15	0.042	1.000	1.178	0.05
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 3	DSi4	1	-	17.00	16.29	0.17	0.407	1.000	1.178	0.48
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	135	69	Ant 3	DSi4	1								

	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 6	DSI6	1	-	19.00	18.41	0.03	0.209	1.000	1.146	0.24
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 6	DSI6	1	-	19.00	18.41	0.17	0.390	1.000	1.146	0.45
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 6	DSI6	1	-	19.00	18.27	0.11	0.220	1.000	1.183	0.26
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 6	DSI6	1	-	19.00	18.27	0.02	0.434	1.000	1.183	0.51
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	656000	1	1	Ant 6	DSI6	1	-	19.00	18.46	0.17	0.169	1.000	1.132	0.19
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	656000	1	1	Ant 6	DSI6	1	-	19.00	18.46	-0.01	0.282	1.000	1.132	0.32
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	656000	135	69	Ant 6	DSI6	1	-	19.00	18.37	-0.17	0.171	1.000	1.156	0.20
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	656000	135	69	Ant 6	DSI6	1	-	19.00	18.37	-0.18	0.298	1.000	1.156	0.35
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 8	DSI4	1	-	20.50	19.10	-0.08	0.157	1.000	1.380	0.22
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 8	DSI4	1	-	20.50	19.10	0.1	0.487	1.000	1.380	0.67
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 8	DSI4	1	-	20.50	18.95	0.14	0.132	1.000	1.429	0.19
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 8	DSI4	1	-	20.50	18.95	-0.11	0.412	1.000	1.429	0.59
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	656000	1	1	Ant 8	DSI4	1	-	20.50	19.65	-0.1	0.090	1.000	1.216	0.11
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	656000	1	1	Ant 8	DSI4	1	-	20.50	19.65	0.09	0.305	1.000	1.216	0.37
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	656000	135	69	Ant 8	DSI4	1	-	20.50	19.56	0.16	0.077	1.000	1.242	0.10
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	656000	135	69	Ant 8	DSI4	1	-	20.50	19.56	0.17	0.298	1.000	1.242	0.37
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 8	DSI4	1	-	19.00	17.73	-0.19	0.135	1.000	1.340	0.18
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 8	DSI4	1	-	19.00	17.73	0.09	0.420	1.000	1.340	0.56
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 8	DSI4	1	-	19.00	17.50	0.18	0.114	1.000	1.413	0.16
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 8	DSI4	1	-	19.00	17.50	-0.07	0.355	1.000	1.413	0.50
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	656000	1	1	Ant 8	DSI4	1	-	19.00	18.27	-0.07	0.078	1.000	1.183	0.09
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	656000	1	1	Ant 8	DSI4	1	-	19.00	18.27	0.13	0.263	1.000	1.183	0.31
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	656000	135	69	Ant 8	DSI4	1	-	19.00	18.13	0.02	0.066	1.000	1.222	0.08
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	656000	135	69	Ant 8	DSI4	1	-	19.00	18.13	0.04	0.257	1.000	1.222	0.31
	WLAN 2.4G	802.11g 6Mbps	Front Face	1cm	1	-	-	Ant 7	DSI3	1	98.79	20.00	18.87	0.15	0.187	1.012	1.297	0.25
P33	WLAN 2.4G	802.11g 6Mbps	Rear Face	1cm	1	-	-	Ant 7	DSI3	1	98.79	20.00	18.87	-0.07	0.312	1.012	1.297	0.41
	WLAN 2.4G	802.11g 6Mbps	Rear Face	2.0cm	1	-	-	Ant 7	DSI5	1	98.79	20.00	18.87	-0.07	0.078	1.012	1.297	0.10
	WLAN 5.3G	802.11n-HT20 MCS0	Front Face	1cm	60	-	-	Ant 6	DSI3	1	97.72	17.50	16.72	-0.08	0.190	1.023	1.197	0.23
	WLAN 5.3G	802.11n-HT20 MCS0	Rear Face	1cm	60	-	-	Ant 6	DSI3	1	97.72	17.50	16.72	-0.09	0.284	1.023	1.197	0.35
P34	WLAN 5.3G	802.11n-HT20 MCS0	Rear Face	2.0cm	60	-	-	Ant 6	DSI5	1	97.72	20.00	19.08	0.01	0.301	1.023	1.236	0.38
	WLAN 5.5G	802.11a 6Mbps	Front Face	1cm	144	-	-	Ant 6	DSI3	1	97.87	17.50	16.54	0.05	0.128	1.022	1.247	0.16
	WLAN 5.5G	802.11a 6Mbps	Rear Face	1cm	144	-	-	Ant 6	DSI3	1	97.87	17.50	16.54	-0.01	0.362	1.022	1.247	0.46
P35	WLAN 5.5G	802.11a 6Mbps	Rear Face	2.0cm	144	-	-	Ant 6	DSI5	1	97.87	19.50	18.41	-0.05	0.444	1.022	1.285	0.58
	WLAN 5.5G	802.11a 6Mbps	Rear Face	2.0cm	144	-	-	Ant 6	DSI5	2	97.87	19.50	18.41	0.11	0.412	1.022	1.285	0.54
	BT	GFSK	Front Face	1cm	0	-	-	Ant 7	DSI5	1	77.23	13.00	11.69	0.09	0.000	1.295	1.352	0.00
P36	BT	GFSK	Rear Face	1cm	0	-	-	Ant 7	DSI5	1	77.23	13.00	11.69	0.13	0.041	1.295	1.352	0.07

Hotspot 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
P37	GSM850	GPRS 2Tx Slot	Front Face	1cm	128	-	-	Ant 2	DSi4	1	-	31.50	30.98	-0.04	0.143	1.000	1.127	0.16
	GSM850	GPRS 2Tx Slot	Rear Face	1cm	128	-	-	Ant 2	DSi4	1	-	31.50	30.98	0.04	0.413	1.000	1.127	0.47
	GSM850	GPRS 2Tx Slot	Left Side	1cm	128	-	-	Ant 2	DSi4	1	-	31.50	30.98	0.12	0.174	1.000	1.127	0.20
	GSM850	GPRS 2Tx Slot	Right Side	1cm	128	-	-	Ant 2	DSi4	1	-	31.50	30.98	-0.02	0.114	1.000	1.127	0.13
	GSM850	GPRS 2Tx Slot	Bottom Side	1cm	128	-	-	Ant 2	DSi4	1	-	31.50	30.98	0.02	0.135	1.000	1.127	0.15
P38	GSM1900	GPRS 2Tx Slot	Front Face	1cm	512	-	-	Ant 1	DSi4	1	-	29.50	28.53	0.16	0.228	1.000	1.250	0.29
	GSM1900	GPRS 2Tx Slot	Rear Face	1cm	512	-	-	Ant 1	DSi4	1	-	29.50	28.53	-0.05	0.629	1.000	1.250	0.79
	GSM1900	GPRS 2Tx Slot	Left Side	1cm	512	-	-	Ant 1	DSi4	1	-	29.50	28.53	-0.14	0.000	1.000	1.250	0.00
	GSM1900	GPRS 2Tx Slot	Right Side	1cm	512	-	-	Ant 1	DSi4	1	-	29.50	28.53	0.15	0.133	1.000	1.250	0.17
	GSM1900	GPRS 2Tx Slot	Bottom Side	1cm	512	-	-	Ant 1	DSi4	1	-	29.50	28.53	0.1	0.619	1.000	1.250	0.77
P39	WCDMA II	RMC12.2K	Front Face	1cm	9262	-	-	Ant 1	DSi7	1	-	23.00	22.41	0.05	0.335	1.000	1.146	0.38
	WCDMA II	RMC12.2K	Rear Face	1cm	9262	-	-	Ant 1	DSi7	1	-	23.00	22.41	-0.09	0.726	1.000	1.146	0.83
	WCDMA II	RMC12.2K	Left Side	1cm	9262	-	-	Ant 1	DSi7	1	-	23.00	22.41	0.15	0.032	1.000	1.146	0.04
	WCDMA II	RMC12.2K	Right Side	1cm	9262	-	-	Ant 1	DSi7	1	-	23.00	22.41	0.11	0.186	1.000	1.146	0.21
	WCDMA II	RMC12.2K	Bottom Side	1cm	9262	-	-	Ant 1	DSi7	1	-	23.00	22.41	0.01	0.788	1.000	1.146	0.90
	WCDMA II	RMC12.2K	Rear Face	1cm	9400	-	-	Ant 1	DSi7	1	-	23.00	22.36	-0.09	0.711	1.000	1.159	0.82
	WCDMA II	RMC12.2K	Rear Face	1cm	9538	-	-	Ant 1	DSi7	1	-	23.00	22.40	0.04	0.703	1.000	1.148	0.81
	WCDMA II	RMC12.2K	Bottom Side	1cm	9400	-	-	Ant 1	DSi7	1	-	23.00	22.36	-0.07	0.703	1.000	1.159	0.82
	WCDMA II	RMC12.2K	Bottom Side	1cm	9538	-	-	Ant 1	DSi7	1	-	23.00	22.40	0.01	0.759	1.000	1.148	0.87
	WCDMA II (Sim-Tx)	RMC12.2K	Front Face	1cm	9262	-	-	Ant 1	DSi8	1	-	22.50	21.97	-0.02	0.253	1.000	1.130	0.29
P40	WCDMA II (Sim-Tx)	RMC12.2K	Rear Face	1cm	9262	-	-	Ant 1	DSi8	1	-	22.50	21.97	0.01	0.604	1.000	1.130	0.68
	WCDMA II (Sim-Tx)	RMC12.2K	Left Side	1cm	9262	-	-	Ant 1	DSi8	1	-	22.50	21.97	-0.06	0.024	1.000	1.130	0.03
	WCDMA II (Sim-Tx)	RMC12.2K	Right Side	1cm	9262	-	-	Ant 1	DSi8	1	-	22.50	21.97	0.17	0.140	1.000	1.130	0.16
	WCDMA II (Sim-Tx)	RMC12.2K	Bottom Side	1cm	9262	-	-	Ant 1	DSi8	1	-	22.50	21.97	-0.09	0.621	1.000	1.130	0.70
	WCDMA V	RMC12.2K	Front Face	1cm	4233	-	-	Ant 2	DSi4	1	-	25.00	24.27	-0.01	0.169	1.000	1.183	0.20
	WCDMA V	RMC12.2K	Rear Face	1cm	4233	-	-	Ant 2	DSi4	1	-	25.00	24.27	0.03	0.323	1.000	1.183	0.38
	WCDMA V	RMC12.2K	Left Side	1cm	4233	-	-	Ant 2	DSi4	1	-	25.00	24.27	-0.1	0.143	1.000	1.183	0.17
	WCDMA V	RMC12.2K	Right Side	1cm	4233	-	-	Ant 2	DSi4	1	-	25.00	24.27	-0.07	0.000	1.000	1.183	0.00
	WCDMA V	RMC12.2K	Bottom Side	1cm	4233	-	-	Ant 2	DSi4	1	-	25.00	24.27	-0.03	0.142	1.000	1.183	0.17
	LTE Band 2	QPSK20M	Front Face	1cm	18900	1	0	Ant 1	DSi7	1	-	23.00	22.15	-0.17	0.279	1.000	1.216	0.34
P41	LTE Band 2	QPSK20M	Rear Face	1cm	18900	1	0	Ant 1	DSi7	1	-	23.00	22.15	-0.02	0.667	1.000	1.216	0.81
	LTE Band 2	QPSK20M	Left Side	1cm	18900	1	0	Ant 1	DSi7	1	-	23.00	22.15	0.09	0.000	1.000	1.216	0.00
	LTE Band 2	QPSK20M	Right Side	1cm	18900	1	0	Ant 1	DSi7	1	-	23.00	22.15	-0.08	0.163	1.000	1.216	0.20
	LTE Band 2	QPSK20M	Bottom Side	1cm	18900	1	0	Ant 1	DSi7	1	-	23.00	22.15	-0.17	0.677	1.000	1.216	0.82
	LTE Band 2	QPSK20M	Front Face	1cm	18900	50	50	Ant 1	DSi7	1	-	22.00	21.14	-0.13	0.203	1.000	1.219	0.25
	LTE Band 2	QPSK20M	Rear Face	1cm	18900	50	50	Ant 1	DSi7	1	-	22.00	21.14	-0.14	0.621	1.000	1.219	0.76
	LTE Band 2	QPSK20M	Left Side	1cm	18900	50	50	Ant 1	DSi7	1	-	22.00	21.14	0.01	0.000	1.000	1.219	0.00
	LTE Band 2	QPSK20M	Right Side	1cm	18900	50	50	Ant 1	DSi7	1	-	22.00	21.14	-0.03	0.109	1.000	1.219	0.13
	LTE Band 2	QPSK20M	Bottom Side	1cm	18900	50	50	Ant 1	DSi7	1	-	22.00	21.14	-0.15	0.667	1.000	1.219	0.81
	LTE Band 2	QPSK20M	Rear Face	1cm	18700	1	0	Ant 1	DSi7	1	-	23.00	22.13	0.11	0.625	1.000	1.222	0.76
P41	LTE Band 2	QPSK20M	Rear Face	1cm	19100	1	0	Ant 1	DSi7	1	-	23.00	22.08	0.07	0.694	1.000	1.236	0.86
	LTE Band 2	QPSK20M	Bottom Side	1cm	18700	1	0	Ant 1	DSi7	1	-	23.00	22.13	0.01	0.629	1.000	1.222	0.77
	LTE Band 2	QPSK20M	Bottom Side	1cm	19100	1	0	Ant 1	DSi7	1	-	23.00	22.08	0.12	0.734	1.000	1.236	0.91
	LTE Band 2	QPSK20M	Bottom Side	1cm	18700	50	50	Ant 1	DSi7	1	-	22.00	21.13	-0.12	0.650	1.000	1.222	0.79
	LTE Band 2	QPSK20M	Bottom Side	1cm	19100	50	50	Ant 1	DSi7	1	-	22.00	21.03	-0.01	0.641	1.000	1.250	0.80
	LTE Band 2	QPSK20M	Rear Face	1cm	18900	100	0	Ant 1	DSi7	1	-	22.00	21.04	-0.03	0.578	1.000	1.247	0.72
	LTE Band 2	QPSK20M	Bottom Side	1cm	18900	100	0	Ant 1	DSi7	1	-	22.00	21.04	0.15	0.609	1.000	1.247	0.76
	LTE Band 2 (Sim-Tx)	QPSK20M	Front Face	1cm	18900	1	0	Ant 1	DSi8	1	-	23.00	22.15	-0.17	0.279	1.000	1.216	0.34
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	1cm	18900	1	0	Ant 1	DSi8	1	-	23.00	22.15	-0.02	0.667	1.000	1.216	0.81
	LTE Band 2 (Sim-Tx)	QPSK20M	Left Side	1cm	18900	1	0	Ant 1	DSi8	1	-	23.00	22.15	0.09	0.000	1.000	1.216	0.00
P41	LTE Band 2 (Sim-Tx)	QPSK20M	Right Side	1cm	18900	1	0	Ant 1	DSi8	1	-	23.00	22.15	-0.08	0.163	1.000	1.216	0.20
	LTE Band 2 (Sim-Tx)	QPSK20M	Bottom Side	1cm	18900	1	0	Ant 1	DSi8	1	-	23.00	22.15	-0.17	0.677	1.000	1.216	0.82
	LTE Band 2 (Sim-Tx)	QPSK20M	Front Face	1cm	18900	50	50	Ant 1	DSi8	1	-	22.00	21.14	-0.13	0.203	1.000	1.219	0.25
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	1cm	18900	50	50	Ant 1	DSi8	1	-	22.00	21.14	-0.14	0.621	1.000	1.219	0.76
	LTE Band 2 (Sim-Tx)	QPSK20M	Left Side	1cm	18900	50	50	Ant 1	DSi8	1	-	22.00	21.14	0.01	0.000	1.000	1.219	0.00
	LTE Band 2 (Sim-Tx)	QPSK20M	Right Side	1cm	18900	50	50	Ant 1	DSi8	1	-	22.00	21.14	-0.03	0.109	1.000	1.219	0.13
	LTE Band 2 (Sim-Tx)	QPSK20M	Bottom Side	1cm	18900	50	50	Ant 1	DSi8	1	-	22.00	21.14	-0.15	0.667	1.000	1.219	0.81
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	1cm	18700	1	0	Ant 1	DSi8	1	-	23.00	22.13	0.11	0.625	1.000	1.222	0.76
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	1cm	19100	1	0	Ant 1	DSi8	1	-	23.00	22.08	0.07	0.694	1.000	1.236	0.86
	LTE Band 2 (Sim-Tx)	QPSK20M	Bottom Side	1cm	18700	1	0	Ant 1	DSi8	1	-	23.00	22.13	0.01	0.629	1.000	1.222	0.77
P41	LTE Band 2 (Sim-Tx)	QPSK20M	Bottom Side	1cm	19100	1	0	Ant 1	DSi8	1	-	23.00	22.08	0.12	0.734	1.000	1.236	0.91
	LTE Band 2 (Sim-Tx)	QPSK20M	Bottom Side	1cm	18700	50	50	Ant 1	DSi8	1	-	22.00	21.13	-0.12	0.650	1.000	1.222	0.79
	LTE Band 2 (Sim-Tx)	QPSK20M	Bottom Side	1cm	19100	50	50	Ant 1	DSi8	1	-	22.00	21.03	-0.01	0.641	1.000	1.250	0.80
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	1cm	18900	100	0	Ant 1	DSi8	1	-	22.00	21.04	-0.03	0.578	1.000	1.247	0.72
	LTE Band 2 (Sim-Tx)	QPSK20M	Bottom Side	1cm	18900	100	0	Ant 1	DSi8	1	-	22.00	21.04	0.15	0.609	1.00.		

	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	18900	1	0	Ant 5	DSi8	1	-	19.50	18.37	0.11	0.154	1.000	1.297	0.20
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	18900	1	0	Ant 5	DSi8	1	-	19.50	18.37	-0.09	0.305	1.000	1.297	0.40
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Left Side	1cm	18900	1	0	Ant 5	DSi8	1	-	19.50	18.37	0.03	0.044	1.000	1.297	0.06
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Right Side	1cm	18900	1	0	Ant 5	DSi8	1	-	19.50	18.37	0.14	0.014	1.000	1.297	0.02
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Top Side	1cm	18900	1	0	Ant 5	DSi8	1	-	19.50	18.37	0.16	0.410	1.000	1.297	0.53
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	18900	50	50	Ant 5	DSi8	1	-	18.50	17.19	-0.08	0.117	1.000	1.352	0.16
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	18900	50	50	Ant 5	DSi8	1	-	18.50	17.19	0.03	0.317	1.000	1.352	0.43
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Left Side	1cm	18900	50	50	Ant 5	DSi8	1	-	18.50	17.19	-0.11	0.037	1.000	1.352	0.05
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Right Side	1cm	18900	50	50	Ant 5	DSi8	1	-	18.50	17.19	0.05	0.012	1.000	1.352	0.02
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Top Side	1cm	18900	50	50	Ant 5	DSi8	1	-	18.50	17.19	0.03	0.342	1.000	1.352	0.46
	LTE Band 5	QPSK10M	Front Face	1cm	20450	1	24	Ant 2	DSi4	1	-	25.50	24.03	-0.11	0.186	1.000	1.403	0.26
P42	LTE Band 5	QPSK10M	Rear Face	1cm	20450	1	24	Ant 2	DSi4	1	-	25.50	24.03	-0.04	0.249	1.000	1.403	0.35
	LTE Band 5	QPSK10M	Left Side	1cm	20450	1	24	Ant 2	DSi4	1	-	25.50	24.03	-0.02	0.112	1.000	1.403	0.16
	LTE Band 5	QPSK10M	Right Side	1cm	20450	1	24	Ant 2	DSi4	1	-	25.50	24.03	0.04	0.000	1.000	1.403	0.00
	LTE Band 5	QPSK10M	Bottom Side	1cm	20450	1	24	Ant 2	DSi4	1	-	25.50	24.03	0.03	0.112	1.000	1.403	0.16
	LTE Band 5	QPSK10M	Front Face	1cm	20450	25	12	Ant 2	DSi4	1	-	24.50	23.06	-0.06	0.148	1.000	1.393	0.21
	LTE Band 5	QPSK10M	Rear Face	1cm	20450	25	12	Ant 2	DSi4	1	-	24.50	23.06	-0.15	0.244	1.000	1.393	0.34
	LTE Band 5	QPSK10M	Left Side	1cm	20450	25	12	Ant 2	DSi4	1	-	24.50	23.06	0.02	0.113	1.000	1.393	0.16
	LTE Band 5	QPSK10M	Right Side	1cm	20450	25	12	Ant 2	DSi4	1	-	24.50	23.06	0.06	0.029	1.000	1.393	0.04
	LTE Band 5	QPSK10M	Bottom Side	1cm	20450	25	12	Ant 2	DSi4	1	-	24.50	23.06	-0.18	0.104	1.000	1.393	0.15
	LTE Band 5B	QPSK10M	Rear Face	1cm	PCC:20450 SCC:20549	1	49	Ant 2	DSi4	1	-	25.50	24.76	0.17	0.208	1.000	1.186	0.25
	LTE Band 12	QPSK10M	Front Face	1cm	23060	1	24	Ant 2	DSi4	1	-	25.50	24.12	-0.09	0.118	1.000	1.374	0.16
P43	LTE Band 12	QPSK10M	Rear Face	1cm	23060	1	24	Ant 2	DSi4	1	-	25.50	24.12	0.01	0.179	1.000	1.374	0.25
	LTE Band 12	QPSK10M	Left Side	1cm	23060	1	24	Ant 2	DSi4	1	-	25.50	24.12	0.12	0.152	1.000	1.374	0.21
	LTE Band 12	QPSK10M	Right Side	1cm	23060	1	24	Ant 2	DSi4	1	-	25.50	24.12	0.07	0.000	1.000	1.374	0.00
	LTE Band 12	QPSK10M	Bottom Side	1cm	23060	1	24	Ant 2	DSi4	1	-	25.50	24.12	0.09	0.053	1.000	1.374	0.07
	LTE Band 12	QPSK10M	Front Face	1cm	23060	25	12	Ant 2	DSi4	1	-	24.50	23.21	-0.05	0.090	1.000	1.346	0.12
	LTE Band 12	QPSK10M	Rear Face	1cm	23060	25	12	Ant 2	DSi4	1	-	24.50	23.21	0.15	0.152	1.000	1.346	0.21
	LTE Band 12	QPSK10M	Left Side	1cm	23060	25	12	Ant 2	DSi4	1	-	24.50	23.21	-0.19	0.110	1.000	1.346	0.15
	LTE Band 12	QPSK10M	Right Side	1cm	23060	25	12	Ant 2	DSi4	1	-	24.50	23.21	-0.13	0.048	1.000	1.346	0.07
	LTE Band 12	QPSK10M	Bottom Side	1cm	23060	25	12	Ant 2	DSi4	1	-	24.50	23.21	0.05	0.067	1.000	1.346	0.09
	LTE Band 13	QPSK10M	Front Face	1cm	23230	1	24	Ant 2	DSi4	1	-	25.50	24.11	-0.02	0.134	1.000	1.377	0.19
P44	LTE Band 13	QPSK10M	Rear Face	1cm	23230	1	24	Ant 2	DSi4	1	-	25.50	24.11	-0.11	0.204	1.000	1.377	0.25
	LTE Band 13	QPSK10M	Left Side	1cm	23230	1	24	Ant 2	DSi4	1	-	25.50	24.11	-0.09	0.059	1.000	1.377	0.08
	LTE Band 13	QPSK10M	Right Side	1cm	23230	1	24	Ant 2	DSi4	1	-	25.50	24.11	-0.14	0.000	1.000	1.377	0.00
	LTE Band 13	QPSK10M	Bottom Side	1cm	23230	1	24	Ant 2	DSi4	1	-	25.50	24.11	0.1	0.069	1.000	1.377	0.10
	LTE Band 13	QPSK10M	Front Face	1cm	23230	25	12	Ant 2	DSi4	1	-	24.50	23.12	0.15	0.123	1.000	1.374	0.17
	LTE Band 13	QPSK10M	Rear Face	1cm	23230	25	12	Ant 2	DSi4	1	-	24.50	23.12	0.09	0.199	1.000	1.374	0.27
	LTE Band 13	QPSK10M	Left Side	1cm	23230	25	12	Ant 2	DSi4	1	-	24.50	23.12	-0.15	0.000	1.000	1.374	0.00
	LTE Band 13	QPSK10M	Right Side	1cm	23230	25	12	Ant 2	DSi4	1	-	24.50	23.12	0.11	0.000	1.000	1.374	0.00
	LTE Band 13	QPSK10M	Bottom Side	1cm	23230	25	12	Ant 2	DSi4	1	-	24.50	23.12	0.18	0.064	1.000	1.374	0.09
	LTE Band 66/4	QPSK20M	Front Face	1cm	132072	1	0	Ant 1	DSi7	1	-	22.50	21.70	-0.07	0.275	1.000	1.202	0.33
	LTE Band 66/4	QPSK20M	Rear Face	1cm	132072	1	0	Ant 1	DSi7	1	-	22.50	21.70	-0.13	0.721	1.000	1.202	0.87
	LTE Band 66/4	QPSK20M	Left Side	1cm	132072	1	0	Ant 1	DSi7	1	-	22.50	21.70	0.14	0.000	1.000	1.202	0.00
	LTE Band 66/4	QPSK20M	Right Side	1cm	132072	1	0	Ant 1	DSi7	1	-	22.50	21.70	0.12	0.146	1.000	1.202	0.18
	LTE Band 66/4	QPSK20M	Bottom Side	1cm	132072	1	0	Ant 1	DSi7	1	-	22.50	21.70	0.07	0.730	1.000	1.202	0.88
	LTE Band 66/4	QPSK20M	Front Face	1cm	132072	50	0	Ant 1	DSi7	1	-	21.50	20.75	-0.1	0.207	1.000	1.189	0.25
	LTE Band 66/4	QPSK20M	Rear Face	1cm	132072	50	0	Ant 1	DSi7	1	-	21.50	20.75	0.13	0.665	1.000	1.189	0.79
	LTE Band 66/4	QPSK20M	Left Side	1cm	132072	50	0	Ant 1	DSi7	1	-	21.50	20.75	0.14	0.000	1.000	1.189	0.00
	LTE Band 66/4	QPSK20M	Right Side	1cm	132072	50	0	Ant 1	DSi7	1	-	21.50	20.75	0.14	0.071	1.000	1.189	0.08
	LTE Band 66/4	QPSK20M	Bottom Side	1cm	132072	50	0	Ant 1	DSi7	1	-	21.50	20.75	0.12	0.703	1.000	1.189	0.84
	LTE Band 66/4	QPSK20M	Rear Face	1cm	132322	1	0	Ant 1	DSi7	1	-	22.50	21.61	0.04	0.601	1.000	1.227	0.74
	LTE Band 66/4	QPSK20M	Rear Face	1cm	132572	1	0	Ant 1	DSi7	1	-	22.50	21.47	0.02	0.586	1.000	1.268	0.74
	LTE Band 66/4	QPSK20M	Bottom Side	1cm	132322	1	0	Ant 1	DSi7	1	-	22.50	21.61	0.04	0.700	1.000	1.227	0.86
P45	LTE Band 66/4	QPSK20M	Bottom Side	1cm	132572	1	0	Ant 1	DSi7	1	-	22.50	21.47	0.05	0.747	1.000	1.268	0.95
	LTE Band 66/4	QPSK20M	Rear Face	1cm	132322	50	0	Ant 1	DSi7	1	-	21.50	20.64	0.18	0.615	1.000	1.219	0.75
	LTE Band 66/4	QPSK20M	Rear Face	1cm	132572	50	0	Ant 1	DSi7	1	-	21.50	20.63	-0.07	0.591	1.000	1.222	0.72
	LTE Band 66/4	QPSK20M	Bottom Side	1cm	132322	50	0	Ant 1	DSi7	1	-	21.50	20.64	0.02	0.699	1.000	1.219	0.85
	LTE Band 66/4	QPSK20M	Bottom Side	1cm	132572	50	0	Ant 1	DSi7	1	-	21.50	20.63	-0.18	0.678	1.000	1.222	0.83
	LTE Band 66/4	QPSK20M	Rear Face	1cm	132072	100	0	Ant 1	DSi7	1	-	21.50	20.73	0.14	0.669	1.000	1.194	0.80
	LTE Band 66/4	QPSK20M	Bottom Side	1cm	132072	100	0	Ant 1	DSi7	1	-	21.50	20.73	-0.08	0.697	1.000	1.194	0.83
	LTE Band 66/4	QPSK20M	Bottom Side	1cm	PCC:132022 SCC:132121	1	49	Ant 1	DSi7	1	-	22.50	22.22	0.16	0.715	1.000	1.067	0.76
	LTE Band 66C	QPSK20M	Bottom Side	1cm	PCC:132323 SCC:132521	1	99	Ant 1	DSi7	1	-	22.50	22.09	0.08	0.722	1.000	1.099	0.79
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Front Face	1cm	132072	1	0	Ant 1	DSi8	1	-	22.50	21.70	-0.07	0.275	1.000	1.202	0.33
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132072	1	0	Ant 1	DSi8	1	-	22.50	21.70	-0.13	0.721	1.000	1.202	0.87
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Left Side	1cm	132072	1	0	Ant 1	DSi8	1	-	22.50	21.70	0.14	0.000	1.000	1.202	0.00
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Right Side	1cm	132072	1	0	Ant 1	DSi8	1	-	22.50	21.70	0.12	0.146	1.000	1.202	0.18
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Bottom Side	1cm	132072	1	0	Ant 1	DSi8	1	-	22.50	21.70	0.07	0.730	1.000	1.202	0.88
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Front Face	1cm	132072	50	0	Ant 1	DSi8	1	-	21.50	20.75	-0.1	0.207	1.000	1.189	0.25
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Rear Face	1cm	132072	50	0	Ant 1	DSi8	1	-	21.50	20.75	0.13	0.665	1.000	1.189	0.79
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Left Side	1cm	132072	50	0	Ant 1	DSi8	1	-	21.50	20.75	0.14	0.000	1.000	1.189	0.00
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Right Side	1cm	132072	50	0	Ant 1	DSi8	1	-	21.50	20.75	0.14	0.071	1.000	1.189	0.08
	LTE Band 66/4 (Sim-Tx)	QPSK20M	Bottom Side	1cm														

	LTE Band 66/4 (ENDC)	QPSK20M	Front Face	1cm	132072	1	0	Ant 5	DSI7	1	-	22.00	20.66	-0.06	0.300	1.000	1.361	0.41
	LTE Band 66/4 (ENDC)	QPSK20M	Rear Face	1cm	132072	1	0	Ant 5	DSI7	1	-	22.00	20.66	0.04	0.465	1.000	1.361	0.63
	LTE Band 66/4 (ENDC)	QPSK20M	Left Side	1cm	132072	1	0	Ant 5	DSI7	1	-	22.00	20.66	0.08	0.075	1.000	1.361	0.10
	LTE Band 66/4 (ENDC)	QPSK20M	Right Side	1cm	132072	1	0	Ant 5	DSI7	1	-	22.00	20.66	0.11	0.035	1.000	1.361	0.05
	LTE Band 66/4 (ENDC)	QPSK20M	Top Side	1cm	132072	1	0	Ant 5	DSI7	1	-	22.00	20.66	0.09	0.671	1.000	1.361	0.91
	LTE Band 66/4 (ENDC)	QPSK20M	Front Face	1cm	132072	50	0	Ant 5	DSI7	1	-	21.00	19.60	-0.12	0.230	1.000	1.380	0.32
	LTE Band 66/4 (ENDC)	QPSK20M	Rear Face	1cm	132072	50	0	Ant 5	DSI7	1	-	21.00	19.60	-0.05	0.383	1.000	1.380	0.53
	LTE Band 66/4 (ENDC)	QPSK20M	Left Side	1cm	132072	50	0	Ant 5	DSI7	1	-	21.00	19.60	-0.08	0.055	1.000	1.380	0.08
	LTE Band 66/4 (ENDC)	QPSK20M	Right Side	1cm	132072	50	0	Ant 5	DSI7	1	-	21.00	19.60	-0.04	0.020	1.000	1.380	0.03
	LTE Band 66/4 (ENDC)	QPSK20M	Top Side	1cm	132072	50	0	Ant 5	DSI7	1	-	21.00	19.60	-0.06	0.569	1.000	1.380	0.79
	LTE Band 66/4 (ENDC)	QPSK20M	Top Side	1cm	132322	1	0	Ant 5	DSI7	1	-	22.00	20.56	-0.03	0.652	1.000	1.393	0.91
	LTE Band 66/4 (ENDC)	QPSK20M	Top Side	1cm	132572	1	0	Ant 5	DSI7	1	-	22.00	20.58	-0.2	0.614	1.000	1.387	0.85
	LTE Band 66/4 (ENDC)	QPSK20M	Top Side	1cm	132322	50	0	Ant 5	DSI7	1	-	21.00	19.59	0.03	0.639	1.000	1.384	0.88
	LTE Band 66/4 (ENDC)	QPSK20M	Top Side	1cm	132572	50	0	Ant 5	DSI7	1	-	21.00	19.44	-0.08	0.628	1.000	1.374	0.90
	LTE Band 66/4 (ENDC)	QPSK20M	Top Side	1cm	132072	100	0	Ant 5	DSI7	1	-	21.00	19.52	0.02	0.617	1.000	1.406	0.87
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	132072	1	0	Ant 5	DSI8	1	-	21.00	19.73	-0.06	0.207	1.000	1.340	0.28
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	132072	1	0	Ant 5	DSI8	1	-	21.00	19.73	-0.07	0.321	1.000	1.340	0.43
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Left Side	1cm	132072	1	0	Ant 5	DSI8	1	-	21.00	19.73	0.14	0.052	1.000	1.340	0.07
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Right Side	1cm	132072	1	0	Ant 5	DSI8	1	-	21.00	19.73	-0.03	0.024	1.000	1.340	0.03
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Top Side	1cm	132072	1	0	Ant 5	DSI8	1	-	21.00	19.73	-0.1	0.463	1.000	1.340	0.63
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Front Face	1cm	132072	50	0	Ant 5	DSI8	1	-	20.00	18.62	0.14	0.159	1.000	1.374	0.22
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Rear Face	1cm	132072	50	0	Ant 5	DSI8	1	-	20.00	18.62	-0.09	0.264	1.000	1.374	0.36
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Left Side	1cm	132072	50	0	Ant 5	DSI8	1	-	20.00	18.62	0.03	0.038	1.000	1.374	0.05
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Right Side	1cm	132072	50	0	Ant 5	DSI8	1	-	20.00	18.62	0.06	0.014	1.000	1.374	0.02
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Top Side	1cm	132072	50	0	Ant 5	DSI8	1	-	20.00	18.62	0.16	0.393	1.000	1.374	0.54
	FR1 n2	DFT-15KHz-QPSK20M	Front Face	1cm	376000	1	1	Ant 1	DSI7	1	-	22.00	21.02	0.08	0.264	1.000	1.253	0.33
	FR1 n2	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	1	1	Ant 1	DSI7	1	-	22.00	21.02	-0.11	0.706	1.000	1.253	0.89
	FR1 n2	DFT-15KHz-QPSK20M	Left Side	1cm	376000	1	1	Ant 1	DSI7	1	-	22.00	21.02	-0.07	0.000	1.000	1.253	0.00
	FR1 n2	DFT-15KHz-QPSK20M	Right Side	1cm	376000	1	1	Ant 1	DSI7	1	-	22.00	21.02	0.09	0.195	1.000	1.253	0.24
	FR1 n2	DFT-15KHz-QPSK20M	Bottom Side	1cm	376000	1	1	Ant 1	DSI7	1	-	22.00	21.02	-0.02	0.708	1.000	1.253	0.89
	FR1 n2	DFT-15KHz-QPSK20M	Front Face	1cm	376000	50	28	Ant 1	DSI7	1	-	22.00	20.93	-0.05	0.213	1.000	1.279	0.27
	FR1 n2	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	50	28	Ant 1	DSI7	1	-	22.00	20.93	0.13	0.568	1.000	1.279	0.73
	FR1 n2	DFT-15KHz-QPSK20M	Left Side	1cm	376000	50	28	Ant 1	DSI7	1	-	22.00	20.93	-0.01	0.000	1.000	1.279	0.00
	FR1 n2	DFT-15KHz-QPSK20M	Right Side	1cm	376000	50	28	Ant 1	DSI7	1	-	22.00	20.93	-0.07	0.219	1.000	1.279	0.28
	FR1 n2	DFT-15KHz-QPSK20M	Bottom Side	1cm	376000	50	28	Ant 1	DSI7	1	-	22.00	20.93	0.01	0.562	1.000	1.279	0.72
	FR1 n2	DFT-15KHz-QPSK20M	Rear Face	1cm	372000	1	1	Ant 1	DSI7	1	-	22.00	20.99	0.09	0.657	1.000	1.262	0.83
	FR1 n2	DFT-15KHz-QPSK20M	Rear Face	1cm	380000	1	1	Ant 1	DSI7	1	-	22.00	21.01	-0.17	0.639	1.000	1.256	0.80
P46	FR1 n2	DFT-15KHz-QPSK20M	Bottom Side	1cm	372000	1	1	Ant 1	DSI7	1	-	22.00	20.99	0.09	0.771	1.000	1.262	0.97
	FR1 n2	DFT-15KHz-QPSK20M	Bottom Side	1cm	380000	1	1	Ant 1	DSI7	1	-	22.00	21.01	0.14	0.705	1.000	1.256	0.89
	FR1 n2	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	100	0	Ant 1	DSI7	1	-	21.00	20.60	-0.01	0.635	1.000	1.096	0.70
	FR1 n2	DFT-15KHz-QPSK20M	Bottom Side	1cm	376000	100	0	Ant 1	DSI7	1	-	21.00	20.60	0.15	0.689	1.000	1.096	0.76
	FR1 n2	DFT-15KHz-QPSK20M	Bottom Side	1cm	372000	1	1	Ant 1	DSI7	2	-	22.00	20.99	-0.08	0.729	1.000	1.262	0.92
	FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Front Face	1cm	376000	1	1	Ant 1	DSI8	1	-	22.00	21.02	0.08	0.264	1.000	1.253	0.33
	FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	1	1	Ant 1	DSI8	1	-	22.00	21.02	-0.11	0.706	1.000	1.253	0.89
	FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Left Side	1cm	376000	1	1	Ant 1	DSI8	1	-	22.00	21.02	-0.07	0.000	1.000	1.253	0.00
	FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Right Side	1cm	376000	1	1	Ant 1	DSI8	1	-	22.00	21.02	0.09	0.195	1.000	1.253	0.24
	FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Bottom Side	1cm	376000	1	1	Ant 1	DSI8	1	-	22.00	21.02	-0.02	0.708	1.000	1.253	0.89
	FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Front Face	1cm	376000	50	28	Ant 1	DSI8	1	-	22.00	20.93	-0.05	0.213	1.000	1.279	0.27
	FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	50	28	Ant 1	DSI8	1	-	22.00	20.93	0.13	0.568	1.000	1.279	0.73
	FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Left Side	1cm	376000	50	28	Ant 1	DSI8	1	-	22.00	20.93	-0.01	0.000	1.000	1.279	0.00
	FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Right Side	1cm	376000	50	28	Ant 1	DSI8	1	-	22.00	20.93	-0.07	0.219	1.000	1.279	0.28
	FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Bottom Side	1cm	376000	50	28	Ant 1	DSI8	1	-	22.00	20.93	0.01	0.562	1.000	1.279	0.72
	FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Rear Face	1cm	372000	1	1	Ant 1	DSI8	1	-	22.00	20.99	0.09	0.657	1.000	1.262	0.83
	FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Rear Face	1cm	380000	1	1	Ant 1	DSI8	1	-	22.00	21.01	-0.17	0.639	1.000	1.256	0.80
	FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Bottom Side	1cm	372000	1	1	Ant 1	DSI8	1	-	22.00	20.99	0.09	0.771	1.000	1.262	0.97
	FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Bottom Side	1cm	380000	1	1	Ant 1	DSI8	1	-	22.00	21.01	0.14	0.705	1.000	1.256	0.89
	FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	100	0	Ant 1	DSI8	1	-	21.00	20.60	-0.01	0.635	1.000	1.096	0.70
	FR1 n2 (Sim-Tx)	DFT-15KHz-QPSK20M	Bottom Side	1cm	376000	100	0	Ant 1	DSI8	1	-	21.00	20.60	0.15	0.689	1.000	1.096	0.76
	FR1 n2 (ENDC)	DFT-15KHz-QPSK20M	Front Face	1cm	376000	1	1	Ant 5	DSI7	1	-	20.00	19.09	-0.1	0.225	1.000	1.233	0.28
	FR1 n2 (ENDC)	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	1	1	Ant 5	DSI7	1	-	20.00	19.09	-0.02	0.465	1.000	1.233	0.57
	FR1 n2 (ENDC)	DFT-15KHz-QPSK20M	Left Side	1cm	376000	1	1	Ant 5	DSI7	1	-	20.00	19.09	0.09	0.058	1.000	1.233	0.07
	FR1 n2 (ENDC)	DFT-15KHz-QPSK20M	Right Side	1cm	376000	1	1	Ant 5	DSI7	1	-	20.00	19.09	-0.14	0.024	1.000	1.233	0.03
	FR1 n2 (ENDC)	DFT-15KHz-QPSK20M	Top Side	1cm	376000	1	1	Ant 5	DSI7	1	-	20.00	19.09	0.16	0.575	1.000	1.233	0.71
	FR1 n2 (ENDC)	DFT-15KHz-QPSK20M	Front Face	1cm	376000	50	28	Ant 5	DSI7	1	-	20.00	18.96	0.18	0.227	1.000	1.271	0.29
	FR1 n2 (ENDC)	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	50	28	Ant 5	DSI7	1	-	20.00	18.96	0.05	0.482	1.000	1.271	0.61
	FR1 n2 (ENDC)	DFT-15KHz-QPSK20M	Left Side	1cm	376000	50	28	Ant 5	DSI7	1	-	20.00	18.96	-0.14	0.058	1.000	1.271	0.07
	FR1 n2 (ENDC)	DFT-15KHz-QPSK20M	Right Side	1cm	376000	50	28	Ant 5	DSI7	1	-	20.00	18.96	0.01	0.020	1.000	1.271	0.03
	FR1 n2 (ENDC)	DFT-15KHz-QPSK20M	Top Side	1cm	376000	50	28	Ant 5	DSI7	1	-	20.00	18.96	0.01	0.575	1.000	1.271	0.73
	FR1 n2 (ENDC&Sim-Tx)	DFT-15KHz-QPSK20M	Front Face	1cm	376000	1	1	Ant 5	DSI8	1	-	19.00	18.15	-0.14	0.175	1.000	1.216	0.21
	FR1 n2 (ENDC&Sim-Tx)	DFT-15KHz-QPSK20M	Rear Face	1cm	376000	1	1	Ant 5	DSI8	1	-	19.00	18.15	0.01	0.363	1.000	1.216	0.44
	FR1 n2 (ENDC&Sim-Tx)	DFT																

	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Front Face	1cm	349000	1	1	Ant 1	DSi8	1	-	22.00	21.37	0.07	0.346	1.000	1.156	0.40
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	1	1	Ant 1	DSi8	1	-	22.00	21.37	0.05	0.703	1.000	1.156	0.81
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Left Side	1cm	349000	1	1	Ant 1	DSi8	1	-	22.00	21.37	-0.09	0.113	1.000	1.156	0.13
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Right Side	1cm	349000	1	1	Ant 1	DSi8	1	-	22.00	21.37	0.06	0.192	1.000	1.156	0.22
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Bottom Side	1cm	349000	1	1	Ant 1	DSi8	1	-	22.00	21.37	-0.11	0.705	1.000	1.156	0.82
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Front Face	1cm	349000	108	54	Ant 1	DSi8	1	-	22.00	21.24	-0.2	0.334	1.000	1.191	0.40
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	108	54	Ant 1	DSi8	1	-	22.00	21.24	-0.03	0.734	1.000	1.191	0.87
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Left Side	1cm	349000	108	54	Ant 1	DSi8	1	-	22.00	21.24	0.09	0.106	1.000	1.191	0.13
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Right Side	1cm	349000	108	54	Ant 1	DSi8	1	-	22.00	21.24	-0.11	0.183	1.000	1.191	0.22
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Bottom Side	1cm	349000	108	54	Ant 1	DSi8	1	-	22.00	21.24	0.04	0.711	1.000	1.191	0.85
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	346000	1	1	Ant 1	DSi8	1	-	22.00	21.32	0.09	0.697	1.000	1.169	0.82
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	352000	1	1	Ant 1	DSi8	1	-	22.00	21.35	0.05	0.684	1.000	1.161	0.79
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Bottom Side	1cm	346000	1	1	Ant 1	DSi8	1	-	22.00	21.32	0.03	0.641	1.000	1.169	0.75
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Bottom Side	1cm	352000	1	1	Ant 1	DSi8	1	-	22.00	21.35	0.02	0.657	1.000	1.161	0.76
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	346000	108	54	Ant 1	DSi8	1	-	22.00	21.09	-0.11	0.674	1.000	1.233	0.83
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	352000	108	54	Ant 1	DSi8	1	-	22.00	21.12	-0.1	0.675	1.000	1.225	0.83
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Bottom Side	1cm	346000	108	54	Ant 1	DSi8	1	-	22.00	21.09	0.1	0.699	1.000	1.233	0.86
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Bottom Side	1cm	352000	108	54	Ant 1	DSi8	1	-	22.00	21.12	0.16	0.681	1.000	1.225	0.83
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	216	0	Ant 1	DSi8	1	-	21.50	20.57	-0.09	0.659	1.000	1.239	0.82
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Bottom Side	1cm	349000	216	0	Ant 1	DSi8	1	-	21.50	20.57	-0.14	0.644	1.000	1.239	0.80
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Front Face	1cm	349000	1	1	Ant 5	DSi7	1	-	22.00	21.51	0.16	0.240	1.000	1.119	0.27
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	1	1	Ant 5	DSi7	1	-	22.00	21.51	-0.15	0.397	1.000	1.119	0.44
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Left Side	1cm	349000	1	1	Ant 5	DSi7	1	-	22.00	21.51	-0.13	0.064	1.000	1.119	0.07
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Right Side	1cm	349000	1	1	Ant 5	DSi7	1	-	22.00	21.51	0.08	0.026	1.000	1.119	0.03
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Top Side	1cm	349000	1	1	Ant 5	DSi7	1	-	22.00	21.51	0.12	0.659	1.000	1.119	0.74
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Front Face	1cm	349000	108	54	Ant 5	DSi7	1	-	22.00	21.38	-0.06	0.258	1.000	1.153	0.30
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	108	54	Ant 5	DSi7	1	-	22.00	21.38	-0.08	0.543	1.000	1.153	0.63
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Left Side	1cm	349000	108	54	Ant 5	DSi7	1	-	22.00	21.38	0.05	0.066	1.000	1.153	0.08
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Right Side	1cm	349000	108	54	Ant 5	DSi7	1	-	22.00	21.38	-0.17	0.027	1.000	1.153	0.03
	FR1 n66 (ENDC)	DFT-15kHz-QPSK40M	Top Side	1cm	349000	108	54	Ant 5	DSi7	1	-	22.00	21.38	0.03	0.654	1.000	1.153	0.75
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Front Face	1cm	349000	1	1	Ant 5	DSi8	1	-	20.50	19.89	-0.14	0.159	1.000	1.151	0.18
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	1	1	Ant 5	DSi8	1	-	20.50	19.89	0.06	0.343	1.000	1.151	0.40
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Left Side	1cm	349000	1	1	Ant 5	DSi8	1	-	20.50	19.89	0.15	0.042	1.000	1.151	0.05
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Right Side	1cm	349000	1	1	Ant 5	DSi8	1	-	20.50	19.89	0.06	0.018	1.000	1.151	0.02
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Top Side	1cm	349000	1	1	Ant 5	DSi8	1	-	20.50	19.89	-0.11	0.370	1.000	1.151	0.43
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Front Face	1cm	349000	108	54	Ant 5	DSi8	1	-	20.50	19.81	0.1	0.171	1.000	1.172	0.20
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	1cm	349000	108	54	Ant 5	DSi8	1	-	20.50	19.81	-0.16	0.389	1.000	1.172	0.46
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Left Side	1cm	349000	108	54	Ant 5	DSi8	1	-	20.50	19.81	-0.01	0.044	1.000	1.172	0.05
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Right Side	1cm	349000	108	54	Ant 5	DSi8	1	-	20.50	19.81	-0.05	0.018	1.000	1.172	0.02
	FR1 n66 (ENDC&Sim-Tx)	DFT-15kHz-QPSK40M	Top Side	1cm	349000	108	54	Ant 5	DSi8	1	-	20.50	19.81	-0.02	0.448	1.000	1.172	0.53
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 4	DSi7	1	-	19.00	17.74	-0.03	0.213	1.000	1.337	0.29
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSi7	1	-	19.00	17.74	-0.01	0.384	1.000	1.337	0.51
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	633334	1	1	Ant 4	DSi7	1	-	19.00	17.74	-0.05	0.309	1.000	1.337	0.41
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	633334	1	1	Ant 4	DSi7	1	-	19.00	17.74	0.17	0.087	1.000	1.337	0.12
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	633334	1	1	Ant 4	DSi7	1	-	19.00	17.74	-0.11	0.160	1.000	1.337	0.21
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 4	DSi7	1	-	19.00	17.62	-0.09	0.210	1.000	1.374	0.29
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 4	DSi7	1	-	19.00	17.62	0.18	0.369	1.000	1.374	0.51
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	633334	135	69	Ant 4	DSi7	1	-	19.00	17.62	-0.17	0.315	1.000	1.374	0.43
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	633334	135	69	Ant 4	DSi7	1	-	19.00	17.62	-0.05	0.087	1.000	1.374	0.12
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	633334	135	69	Ant 4	DSi7	1	-	19.00	17.62	0.12	0.164	1.000	1.374	0.23
	FR1 n77 PC2	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSi7	1	-	22.00	20.45	0.08	0.427	1.000	1.429	0.61
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	662000	1	1	Ant 4	DSi7	1	-	19.00	17.75	-0.05	0.219	1.000	1.334	0.29
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 4	DSi7	1	-	19.00	17.75	-0.17	0.515	1.000	1.334	0.69
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	662000	1	1	Ant 4	DSi7	1	-	19.00	17.75	0.02	0.506	1.000	1.334	0.68
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	662000	1	1	Ant 4	DSi7	1	-	19.00	17.75	0.13	0.084	1.000	1.334	0.11
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	662000	1	1	Ant 4	DSi7	1	-	19.00	17.75	-0.01	0.200	1.000	1.334	0.27
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	662000	135	69	Ant 4	DSi7	1	-	19.00	17.65	-0.07	0.215	1.000	1.365	0.29
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	69	Ant 4	DSi7	1	-	19.00	17.65	0.01	0.432	1.000	1.365	0.59
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	662000	135	69	Ant 4	DSi7	1	-	19.00	17.65	0.06	0.480	1.000	1.365	0.66
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	662000	135	69	Ant 4	DSi7	1	-	19.00	17.65	0.15	0.095	1.000	1.365	0.13
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	662000	135	69	Ant 4	DSi7	1	-	19.00	17.65	0.17	0.206	1.000	1.365	0.28
	FR1 n77 PC2	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 4	DSi7	1	-	22.00	20.79	-0.05	0.555	1.000	1.321	0.73
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 4	DSi7	1	-	18.50	17.20	0.17	0.154	1.000	1.349	0.21
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSi7	1	-	18.50	17.20	-0.04	0.278	1.000	1.349	0.38
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	633334	1	1	Ant 4	DSi7	1	-	18.50	17.20	-0.18	0.224	1.000	1.349	0.30
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	633334	1	1	Ant 4	DSi7	1	-	18.50	17.20	-0.14	0.063	1.000	1.349	0.09
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	633334	1	1	Ant 4	DSi7	1	-	18.50	17.20	0.17	0.116	1.000	1.349	0.16
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 4	DSi7	1	-	18.50	17.18	0.03	0.152	1.000	1.355	0.21
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 4	DSi7	1	-	18.50	17.18	0.13	0.267	1.000	1.355	0.36
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	633334	135	69	Ant 4	DSi7	1	-	18.50	17.18	-0.09	0.228	1.000	1.355	0.31
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	633334	135	69	Ant 4	DSi7	1	-	18.50	17.18	-0.04	0.063	1.000	1.355	0.09
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	633334	135	69	Ant 4	DSi7	1	-	18.50	17.18	0.01	0.11			

	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 4	DSi8	1	-	15.50	14.26	0.19	0.096	1.000	1.330	0.13
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSi8	1	-	15.50	14.26	-0.13	0.174	1.000	1.330	0.23
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	633334	1	1	Ant 4	DSi8	1	-	15.50	14.26	-0.07	0.140	1.000	1.330	0.19
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	633334	1	1	Ant 4	DSi8	1	-	15.50	14.26	0.07	0.039	1.000	1.330	0.05
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	633334	1	1	Ant 4	DSi8	1	-	15.50	14.26	-0.01	0.073	1.000	1.330	0.10
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 4	DSi8	1	-	15.50	14.21	-0.14	0.095	1.000	1.346	0.13
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 4	DSi8	1	-	15.50	14.21	0.01	0.167	1.000	1.346	0.23
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	633334	135	69	Ant 4	DSi8	1	-	15.50	14.21	0.06	0.143	1.000	1.346	0.19
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	633334	135	69	Ant 4	DSi8	1	-	15.50	14.21	0.18	0.039	1.000	1.346	0.05
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	633334	135	69	Ant 4	DSi8	1	-	15.50	14.21	-0.14	0.074	1.000	1.346	0.10
	FR1 n77 PC2 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 4	DSi8	1	-	18.50	16.96	0.18	0.193	1.000	1.426	0.28
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	1	1	Ant 4	DSi8	1	-	15.50	14.30	0.04	0.099	1.000	1.318	0.13
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 4	DSi8	1	-	15.50	14.30	-0.06	0.231	1.000	1.318	0.31
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	662000	1	1	Ant 4	DSi8	1	-	15.50	14.30	0.11	0.229	1.000	1.318	0.30
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	662000	1	1	Ant 4	DSi8	1	-	15.50	14.30	0.13	0.038	1.000	1.318	0.05
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	662000	1	1	Ant 4	DSi8	1	-	15.50	14.30	-0.07	0.091	1.000	1.318	0.12
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	135	69	Ant 4	DSi8	1	-	15.50	14.22	0.12	0.098	1.000	1.343	0.13
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	69	Ant 4	DSi8	1	-	15.50	14.22	0.12	0.240	1.000	1.343	0.32
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	662000	135	69	Ant 4	DSi8	1	-	15.50	14.22	-0.08	0.236	1.000	1.343	0.32
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	662000	135	69	Ant 4	DSi8	1	-	15.50	14.22	0.18	0.043	1.000	1.343	0.06
	FR1 n77 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	662000	135	69	Ant 4	DSi8	1	-	15.50	14.22	-0.05	0.093	1.000	1.343	0.13
	FR1 n77 PC2 (ENDC&Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	69	Ant 4	DSi8	1	-	18.50	17.08	0.11	0.251	1.000	1.387	0.35
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 3	DSi4	1	-	18.50	17.39	-0.07	0.046	1.000	1.291	0.06
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 3	DSi4	1	-	18.50	17.39	0.14	0.492	1.000	1.291	0.64
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	633334	1	1	Ant 3	DSi4	1	-	18.50	17.39	0.05	0.383	1.000	1.291	0.50
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	633334	1	1	Ant 3	DSi4	1	-	18.50	17.39	0.11	0.018	1.000	1.291	0.02
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	633334	1	1	Ant 3	DSi4	1	-	18.50	17.39	0.01	0.030	1.000	1.291	0.04
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 3	DSi4	1	-	18.50	17.21	0.13	0.043	1.000	1.346	0.06
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 3	DSi4	1	-	18.50	17.21	0.01	0.478	1.000	1.346	0.64
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	633334	135	69	Ant 3	DSi4	1	-	18.50	17.21	0.17	0.371	1.000	1.346	0.50
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	633334	135	69	Ant 3	DSi4	1	-	18.50	17.21	-0.18	0.016	1.000	1.346	0.02
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	633334	135	69	Ant 3	DSi4	1	-	18.50	17.21	0.05	0.028	1.000	1.346	0.04
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	662000	1	1	Ant 3	DSi4	1	-	18.50	17.77	0.17	0.062	1.000	1.183	0.07
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 3	DSi4	1	-	18.50	17.77	-0.05	0.606	1.000	1.183	0.72
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	662000	1	1	Ant 3	DSi4	1	-	18.50	17.77	0.14	0.000	1.000	1.183	0.59
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	662000	1	1	Ant 3	DSi4	1	-	18.50	17.77	-0.15	0.027	1.000	1.183	0.03
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	662000	1	1	Ant 3	DSi4	1	-	18.50	17.77	-0.09	0.038	1.000	1.183	0.05
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	662000	135	69	Ant 3	DSi4	1	-	18.50	17.61	0.15	0.064	1.000	1.227	0.08
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	69	Ant 3	DSi4	1	-	18.50	17.61	0.18	0.630	1.000	1.227	0.77
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	662000	135	69	Ant 3	DSi4	1	-	18.50	17.61	-0.17	0.525	1.000	1.227	0.64
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	662000	135	69	Ant 3	DSi4	1	-	18.50	17.61	-0.19	0.028	1.000	1.227	0.03
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	662000	135	69	Ant 3	DSi4	1	-	18.50	17.61	0.09	0.041	1.000	1.227	0.05
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	650000	1	1	Ant 3	DSi4	1	-	18.50	17.48	-0.04	0.657	1.000	1.265	0.83
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	656000	1	1	Ant 3	DSi4	1	-	18.50	17.56	-0.18	0.666	1.000	1.242	0.83
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	650000	135	69	Ant 3	DSi4	1	-	18.50	17.46	0.05	0.689	1.000	1.271	0.85
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	656000	135	69	Ant 3	DSi4	1	-	18.50	17.62	0.13	0.621	1.000	1.253	0.78
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	270	0	Ant 3	DSi4	1	-	18.50	17.66	-0.04	0.614	1.000	1.213	0.75
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 3	DSi4	1	-	17.00	15.86	-0.12	0.031	1.000	1.300	0.04
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 3	DSi4	1	-	17.00	15.86	0.04	0.226	1.000	1.300	0.29
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	633334	1	1	Ant 3	DSi4	1	-	17.00	15.86	-0.18	0.190	1.000	1.300	0.25
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	633334	1	1	Ant 3	DSi4	1	-	17.00	15.86	0.02	0.012	1.000	1.300	0.02
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	633334	1	1	Ant 3	DSi4	1	-	17.00	15.86	0.05	0.020	1.000	1.300	0.03
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 3	DSi4	1	-	17.00	15.84	0.09	0.029	1.000	1.306	0.04
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 3	DSi4	1	-	17.00	15.84	0.1	0.237	1.000	1.306	0.31
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	633334	135	69	Ant 3	DSi4	1	-	17.00	15.84	-0.17	0.182	1.000	1.306	0.24
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	633334	135	69	Ant 3	DSi4	1	-	17.00	15.84	0.11	0.011	1.000	1.306	0.01
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	633334	135	69	Ant 3	DSi4	1	-	17.00	15.84	0.15	0.019	1.000	1.306	0.03
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	1	1	Ant 3	DSi4	1	-	17.00	16.29	0.15	0.042	1.000	1.178	0.05
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	1	1	Ant 3	DSi4	1	-	17.00	16.29	0.17	0.407	1.000	1.178	0.48
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	662000	1	1	Ant 3	DSi4	1	-	17.00	16.29	-0.01	0.336	1.000	1.178	0.40
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	662000	1	1	Ant 3	DSi4	1	-	17.00	16.29	-0.12	0.018	1.000	1.178	0.02
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	662000	1	1	Ant 3	DSi4	1	-	17.00	16.29	-0.04	0.026	1.000	1.178	0.03
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	662000	135	69	Ant 3	DSi4	1	-	17.00	16.17	-0.06	0.043	1.000	1.211	0.05
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	662000	135	69	Ant 3	DSi4	1	-	17.00	16.17	0.05	0.463	1.000	1.211	0.56
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	662000	135	69	Ant 3	DSi4	1	-	17.00	16.17	0.15	0.353	1.000	1.211	0.43
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	662000	135	69	Ant 3	DSi4	1	-	17.00	16.17	-0.08	0.019	1.000	1.211	0.02
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	662000	135	69	Ant 3	DSi4	1	-	17.00	16.17	0.13	0.028	1.000	1.211	0.03
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 6	DSi4	1	-	21.50	20.83	0.19	0.379	1.000	1.167	0.44
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 6	DSi4	1	-	21.50	20.83	-0.18	0.706	1.000	1.167	0.82
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	633334	1	1	Ant 6	DSi4	1	-	21.50	20.83	0.11	0.056	1.000	1.167	0.07
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	633334	1	1	Ant 6	DSi4	1	-	21.50	20.83	0.09	0.221	1.000	1.167	0.26
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	633334	1	1</											

	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 8	DSi4	1	-	20.50	19.10	-0.08	0.157	1.000	1.380	0.22
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 8	DSi4	1	-	20.50	19.10	0.1	0.487	1.000	1.380	0.67
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	633334	1	1	Ant 8	DSi4	1	-	20.50	19.10	0.12	0.070	1.000	1.380	0.10
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	633334	1	1	Ant 8	DSi4	1	-	20.50	19.10	0.07	0.583	1.000	1.380	0.81
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	633334	1	1	Ant 8	DSi4	1	-	20.50	19.10	0.02	0.066	1.000	1.380	0.09
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 8	DSi4	1	-	20.50	18.95	0.14	0.132	1.000	1.429	0.19
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 8	DSi4	1	-	20.50	18.95	-0.11	0.412	1.000	1.429	0.59
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	633334	135	69	Ant 8	DSi4	1	-	20.50	18.95	0.11	0.060	1.000	1.429	0.09
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	633334	135	69	Ant 8	DSi4	1	-	20.50	18.95	0.17	0.495	1.000	1.429	0.71
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	633334	135	69	Ant 8	DSi4	1	-	20.50	18.95	-0.03	0.051	1.000	1.429	0.07
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	656000	1	1	Ant 8	DSi4	1	-	20.50	19.65	-0.1	0.090	1.000	1.216	0.11
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	656000	1	1	Ant 8	DSi4	1	-	20.50	19.65	0.09	0.305	1.000	1.216	0.37
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	656000	1	1	Ant 8	DSi4	1	-	20.50	19.65	-0.17	0.046	1.000	1.216	0.06
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	656000	1	1	Ant 8	DSi4	1	-	20.50	19.65	0.02	0.370	1.000	1.216	0.45
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	656000	1	1	Ant 8	DSi4	1	-	20.50	19.65	-0.19	0.056	1.000	1.216	0.07
	FR1 n77	DFT-30kHz-QPSK100M	Front Face	1cm	656000	135	69	Ant 8	DSi4	1	-	20.50	19.56	0.16	0.077	1.000	1.242	0.10
	FR1 n77	DFT-30kHz-QPSK100M	Rear Face	1cm	656000	135	69	Ant 8	DSi4	1	-	20.50	19.56	0.17	0.298	1.000	1.242	0.37
	FR1 n77	DFT-30kHz-QPSK100M	Left Side	1cm	656000	135	69	Ant 8	DSi4	1	-	20.50	19.56	0.07	0.057	1.000	1.242	0.07
	FR1 n77	DFT-30kHz-QPSK100M	Right Side	1cm	656000	135	69	Ant 8	DSi4	1	-	20.50	19.56	-0.1	0.301	1.000	1.242	0.37
	FR1 n77	DFT-30kHz-QPSK100M	Top Side	1cm	656000	135	69	Ant 8	DSi4	1	-	20.50	19.56	0.08	0.051	1.000	1.242	0.06
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	1	1	Ant 8	DSi4	1	-	19.00	17.73	-0.19	0.135	1.000	1.340	0.18
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	1	1	Ant 8	DSi4	1	-	19.00	17.73	0.09	0.420	1.000	1.340	0.56
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	633334	1	1	Ant 8	DSi4	1	-	19.00	17.73	-0.16	0.060	1.000	1.340	0.08
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	633334	1	1	Ant 8	DSi4	1	-	19.00	17.73	0.03	0.468	1.000	1.340	0.63
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	633334	1	1	Ant 8	DSi4	1	-	19.00	17.73	-0.09	0.057	1.000	1.340	0.08
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	633334	135	69	Ant 8	DSi4	1	-	19.00	17.50	0.18	0.114	1.000	1.413	0.16
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	633334	135	69	Ant 8	DSi4	1	-	19.00	17.50	-0.07	0.355	1.000	1.413	0.50
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	633334	135	69	Ant 8	DSi4	1	-	19.00	17.50	-0.01	0.052	1.000	1.413	0.07
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	633334	135	69	Ant 8	DSi4	1	-	19.00	17.50	0.02	0.384	1.000	1.413	0.54
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	633334	135	69	Ant 8	DSi4	1	-	19.00	17.50	-0.14	0.044	1.000	1.413	0.06
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	656000	1	1	Ant 8	DSi4	1	-	19.00	18.27	-0.07	0.078	1.000	1.183	0.09
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	656000	1	1	Ant 8	DSi4	1	-	19.00	18.27	0.13	0.263	1.000	1.183	0.31
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	656000	1	1	Ant 8	DSi4	1	-	19.00	18.27	0.02	0.040	1.000	1.183	0.05
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	656000	1	1	Ant 8	DSi4	1	-	19.00	18.27	0.1	0.319	1.000	1.183	0.35
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	656000	1	1	Ant 8	DSi4	1	-	19.00	18.27	0.15	0.048	1.000	1.183	0.06
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Front Face	1cm	656000	135	69	Ant 8	DSi4	1	-	19.00	18.13	0.02	0.066	1.000	1.222	0.08
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Rear Face	1cm	656000	135	69	Ant 8	DSi4	1	-	19.00	18.13	0.04	0.257	1.000	1.222	0.31
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Left Side	1cm	656000	135	69	Ant 8	DSi4	1	-	19.00	18.13	0.14	0.049	1.000	1.222	0.06
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Right Side	1cm	656000	135	69	Ant 8	DSi4	1	-	19.00	18.13	0.08	0.259	1.000	1.222	0.32
	FR1 n77 (Sim-Tx)	DFT-30kHz-QPSK100M	Top Side	1cm	656000	135	69	Ant 8	DSi4	1	-	19.00	18.13	0.15	0.044	1.000	1.222	0.05
	WLAN 2.4G	802.11g 6Mbps	Front Face	1cm	1	-	-	Ant 7	DSi4	1	98.79	20.00	18.87	0.15	0.187	1.012	1.297	0.25
P50	WLAN 2.4G	802.11g 6Mbps	Rear Face	1cm	1	-	-	Ant 7	DSi4	1	98.79	20.00	18.87	-0.07	0.312	1.012	1.297	0.41
	WLAN 2.4G	802.11g 6Mbps	Left Side	1cm	1	-	-	Ant 7	DSi4	1	98.79	20.00	18.87	-0.08	0.043	1.012	1.297	0.06
	WLAN 2.4G	802.11g 6Mbps	Right Side	1cm	1	-	-	Ant 7	DSi4	1	98.79	20.00	18.87	0.14	0.163	1.012	1.297	0.21
	WLAN 2.4G	802.11g 6Mbps	Top Side	1cm	1	-	-	Ant 7	DSi4	1	98.79	20.00	18.87	-0.1	0.210	1.012	1.297	0.28
	WLAN 5.2G	802.11a 6Mbps	Front Face	1cm	48	-	-	Ant 6	DSi4	1	97.87	19.50	17.99	-0.05	0.180	1.022	1.416	0.26
	WLAN 5.2G	802.11a 6Mbps	Rear Face	1cm	48	-	-	Ant 6	DSi4	1	97.87	19.50	17.99	0.16	0.370	1.022	1.416	0.54
	WLAN 5.2G	802.11a 6Mbps	Left Side	1cm	48	-	-	Ant 6	DSi4	1	97.87	19.50	17.99	0.07	0.117	1.022	1.416	0.17
	WLAN 5.2G	802.11a 6Mbps	Right Side	1cm	48	-	-	Ant 6	DSi4	1	97.87	19.50	17.99	0.15	0.151	1.022	1.416	0.22
P51	WLAN 5.2G	802.11a 6Mbps	Top Side	1cm	48	-	-	Ant 6	DSi4	1	97.87	19.50	17.99	0.08	0.434	1.022	1.416	0.63
	WLAN 5.2G	802.11a 6Mbps	Top Side	1cm	48	-	-	Ant 6	DSi4	2	97.87	19.50	17.99	0.06	0.399	1.022	1.416	0.58
	WLAN 5.8G	802.11a 6Mbps	Front Face	1cm	149	-	-	Ant 6	DSi4	1	98.35	18.00	17.30	0.1	0.142	1.017	1.175	0.17
	WLAN 5.8G	802.11a 6Mbps	Rear Face	1cm	149	-	-	Ant 6	DSi4	1	98.35	18.00	17.30	-0.1	0.345	1.017	1.175	0.41
	WLAN 5.8G	802.11a 6Mbps	Left Side	1cm	149	-	-	Ant 6	DSi4	1	98.35	18.00	17.30	-0.08	0.081	1.017	1.175	0.10
	WLAN 5.8G	802.11a 6Mbps	Right Side	1cm	149	-	-	Ant 6	DSi4	1	98.35	18.00	17.30	-0.17	0.140	1.017	1.175	0.17
P52	WLAN 5.8G	802.11a 6Mbps	Top Side	1cm	149	-	-	Ant 6	DSi4	1	98.35	18.00	17.30	-0.13	0.378	1.017	1.175	0.45
	BT	GFSK	Front Face	1cm	0	-	-	Ant 7	DSi5	1	77.23	13.00	11.69	0.09	0.000	1.295	1.352	0.00
	BT	GFSK	Rear Face	1cm	0	-	-	Ant 7	DSi5	1	77.23	13.00	11.69	0.13	0.041	1.295	1.352	0.07
	BT	GFSK	Left Side	1cm	0	-	-	Ant 7	DSi5	1	77.23	13.00	11.69	0.06	0.000	1.295	1.352	0.00
	BT	GFSK	Right Side	1cm	0	-	-	Ant 7	DSi5	1	77.23	13.00	11.69	-0.04	0.000	1.295	1.352	0.00
P53	BT	GFSK	Top Side	1cm	0	-	-	Ant 7	DSi5	1	77.23	13.00	11.69	0.01	0.051	1.295	1.352	0.09

Extremity Exposure Condition

System & Position											SAR							
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 10g	Duty Cycle Scaling	Scaling Factor	Scaled 10g SAR
P54	WCDMA II	RMC12.2K	Rear Face	0cm	9262	-	-	Ant 1	DSI3	1	-	23.00	22.41	0.12	2.710	1.000	1.146	3.10
	WCDMA II	RMC12.2K	Bottom Side	0cm	9262	-	-	Ant 1	DSI3	1	-	23.00	22.41	-0.11	2.570	1.000	1.146	2.94
	WCDMA II	RMC12.2K	Rear Face	0cm	9400	-	-	Ant 1	DSI3	1	-	23.00	22.36	0.07	2.640	1.000	1.159	3.06
	WCDMA II	RMC12.2K	Rear Face	0cm	9538	-	-	Ant 1	DSI3	1	-	23.00	22.40	0.15	2.540	1.000	1.148	2.92
	WCDMA II	RMC12.2K	Bottom Side	0cm	9400	-	-	Ant 1	DSI3	1	-	23.00	22.36	0.19	2.380	1.000	1.159	2.76
	WCDMA II	RMC12.2K	Bottom Side	0cm	9538	-	-	Ant 1	DSI3	1	-	23.00	22.40	-0.1	2.410	1.000	1.148	2.77
	WCDMA II	RMC12.2K	Bottom Side	1.7cm	9262	-	-	Ant 1	DSI4	1	-	25.00	24.35	0.03	0.307	1.000	1.161	0.36
P55	LTE Band 2	QPSK20M	Rear Face	0cm	18900	1	0	Ant 1	DSI3	1	-	23.00	22.15	0.18	2.380	1.000	1.216	2.90
	LTE Band 2	QPSK20M	Bottom Side	0cm	18900	1	0	Ant 1	DSI3	1	-	23.00	22.15	0.04	1.930	1.000	1.216	2.35
	LTE Band 2	QPSK20M	Rear Face	0cm	18900	50	50	Ant 1	DSI3	1	-	22.00	21.14	-0.14	2.320	1.000	1.219	2.83
	LTE Band 2	QPSK20M	Bottom Side	0cm	18900	50	50	Ant 1	DSI3	1	-	22.00	21.14	0.18	1.800	1.000	1.219	2.19
	LTE Band 2	QPSK20M	Rear Face	0cm	18700	1	0	Ant 1	DSI3	1	-	23.00	22.13	0.18	2.600	1.000	1.222	3.18
	LTE Band 2	QPSK20M	Rear Face	0cm	19100	1	0	Ant 1	DSI3	1	-	23.00	22.08	-0.16	2.390	1.000	1.236	2.95
	LTE Band 2	QPSK20M	Bottom Side	0cm	18700	1	0	Ant 1	DSI3	1	-	23.00	22.13	-0.06	2.050	1.000	1.222	2.51
	LTE Band 2	QPSK20M	Bottom Side	0cm	19100	1	0	Ant 1	DSI3	1	-	23.00	22.08	0.19	1.850	1.000	1.236	2.29
	LTE Band 2	QPSK20M	Rear Face	0cm	18700	50	50	Ant 1	DSI3	1	-	22.00	21.13	0.15	2.360	1.000	1.222	2.88
	LTE Band 2	QPSK20M	Rear Face	0cm	19100	50	50	Ant 1	DSI3	1	-	22.00	21.03	-0.04	2.290	1.000	1.250	2.86
	LTE Band 2	QPSK20M	Bottom Side	0cm	18700	50	50	Ant 1	DSI3	1	-	22.00	21.13	0.1	1.850	1.000	1.222	2.26
	LTE Band 2	QPSK20M	Bottom Side	0cm	19100	50	50	Ant 1	DSI3	1	-	22.00	21.03	0.06	1.740	1.000	1.250	2.18
	LTE Band 2	QPSK20M	Rear Face	0cm	18900	100	0	Ant 1	DSI3	1	-	22.00	21.04	-0.1	2.260	1.000	1.247	2.82
	LTE Band 2	QPSK20M	Bottom Side	0cm	18900	100	0	Ant 1	DSI3	1	-	22.00	21.04	-0.09	1.690	1.000	1.247	2.11
LTE Band 2	QPSK20M	Bottom Side	1.7cm	18900	1	0	Ant 1	DSI4	1	-	24.50	23.55	0.11	0.240	1.000	1.245	0.30	
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	0cm	18900	1	0	Ant 1	DSI6	1	-	23.00	22.15	0.18	2.380	1.000	1.216	2.90
	LTE Band 2 (Sim-Tx)	QPSK20M	Bottom Side	0cm	18900	1	0	Ant 1	DSI6	1	-	23.00	22.15	0.04	1.930	1.000	1.216	2.35
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	0cm	18900	50	50	Ant 1	DSI6	1	-	22.00	21.14	-0.14	2.320	1.000	1.219	2.83
	LTE Band 2 (Sim-Tx)	QPSK20M	Bottom Side	0cm	18900	50	50	Ant 1	DSI6	1	-	22.00	21.14	0.18	1.800	1.000	1.219	2.19
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	0cm	18700	1	0	Ant 1	DSI6	1	-	23.00	22.13	0.18	2.600	1.000	1.222	3.18
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	0cm	19100	1	0	Ant 1	DSI6	1	-	23.00	22.08	-0.16	2.390	1.000	1.236	2.95
	LTE Band 2 (Sim-Tx)	QPSK20M	Bottom Side	0cm	18700	1	0	Ant 1	DSI6	1	-	23.00	22.13	-0.06	2.050	1.000	1.222	2.51
	LTE Band 2 (Sim-Tx)	QPSK20M	Bottom Side	0cm	19100	1	0	Ant 1	DSI6	1	-	23.00	22.08	0.19	1.850	1.000	1.236	2.29
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	0cm	18700	50	50	Ant 1	DSI6	1	-	22.00	21.13	0.15	2.360	1.000	1.222	2.88
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	0cm	19100	50	50	Ant 1	DSI6	1	-	22.00	21.03	-0.04	2.290	1.000	1.250	2.86
	LTE Band 2 (Sim-Tx)	QPSK20M	Bottom Side	0cm	18700	50	50	Ant 1	DSI6	1	-	22.00	21.13	0.1	1.850	1.000	1.222	2.26
	LTE Band 2 (Sim-Tx)	QPSK20M	Bottom Side	0cm	19100	50	50	Ant 1	DSI6	1	-	22.00	21.03	0.06	1.740	1.000	1.250	2.18
	LTE Band 2 (Sim-Tx)	QPSK20M	Rear Face	0cm	18900	100	0	Ant 1	DSI6	1	-	22.00	21.04	-0.1	2.260	1.000	1.247	2.82
	LTE Band 2 (Sim-Tx)	QPSK20M	Bottom Side	0cm	18900	100	0	Ant 1	DSI6	1	-	22.00	21.04	-0.09	1.690	1.000	1.247	2.11
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	0cm	18900	1	0	Ant 5	DSI3	1	-	21.00	19.90	0.16	1.280	1.000	1.288	1.65
	LTE Band 2 (ENDC)	QPSK20M	Top Side	0cm	18900	1	0	Ant 5	DSI3	1	-	21.00	19.90	-0.02	1.900	1.000	1.288	2.45
	LTE Band 2 (ENDC)	QPSK20M	Rear Face	0cm	18900	50	50	Ant 5	DSI3	1	-	20.00	18.72	-0.04	1.370	1.000	1.343	1.84
	LTE Band 2 (ENDC)	QPSK20M	Top Side	0cm	18900	50	50	Ant 5	DSI3	1	-	20.00	18.72	-0.15	1.980	1.000	1.343	2.66
	LTE Band 2 (ENDC)	QPSK20M	Top Side	0cm	18700	1	0	Ant 5	DSI3	1	-	21.00	19.67	0.04	2.080	1.000	1.358	2.83
	LTE Band 2 (ENDC)	QPSK20M	Top Side	0cm	19100	1	0	Ant 5	DSI3	1	-	21.00	19.58	0.09	2.200	1.000	1.387	3.05
	LTE Band 2 (ENDC)	QPSK20M	Top Side	0cm	18700	50	50	Ant 5	DSI3	1	-	20.00	18.69	-0.04	1.920	1.000	1.352	2.60
	LTE Band 2 (ENDC)	QPSK20M	Top Side	0cm	19100	50	50	Ant 5	DSI3	1	-	20.00	18.60	0.1	2.020	1.000	1.380	2.79
	LTE Band 2 (ENDC)	QPSK20M	Top Side	0cm	18900	100	0	Ant 5	DSI3	1	-	20.00	18.64	0.06	1.810	1.000	1.368	2.48
	LTE Band 2 (ENDC)	QPSK20M	Top Side	2.2cm	18900	1	0	Ant 5	DSI4	1	-	24.50	23.28	0.18	0.178	1.000	1.324	0.24
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Rear Face	0cm	18900	1	0	Ant 5	DSI6	1	-	19.50	18.37	0.04	0.985	1.000	1.297	1.28
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Top Side	0cm	18900	1	0	Ant 5	DSI6	1	-	19.50	18.37	0.12	1.550	1.000	1.297	2.01
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Rear Face	0cm	18900	50	50	Ant 5	DSI6	1	-	18.50	17.19	0.01	1.050	1.000	1.352	1.42
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Top Side	0cm	18900	50	50	Ant 5	DSI6	1	-	18.50	17.19	0.14	1.500	1.000	1.352	2.03
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Top Side	0cm	18700	1	0	Ant 5	DSI6	1	-	19.50	18.16	0.09	1.410	1.000	1.361	1.92
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Top Side	0cm	19100	1	0	Ant 5	DSI6	1	-	19.50	18.14	0.15	1.330	1.000	1.368	1.82
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Top Side	0cm	18700	50	50	Ant 5	DSI6	1	-	18.50	17.14	-0.09	1.520	1.000	1.368	2.08
	LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Top Side	0cm	19100	50	50	Ant 5	DSI6	1	-	18.50	17.10	-0.08	1.210	1.000	1.380	1.67
LTE Band 2 (ENDC&Sim-Tx)	QPSK20M	Top Side	0cm	18900	100	0	Ant 5	DSI6	1	-	18.50	17.17	0.06	1.180	1.000	1.358	1.60	
	LTE Band 66/4	QPSK20M	Rear Face	0cm	132072	1	0	Ant 1	DSI3	1	-	22.50	21.70	-0.19	2.230	1.000	1.202	2.68
	LTE Band 66/4	QPSK20M	Bottom Side	0cm	132072	1	0	Ant 1	DSI3	1	-	22.50	21.70	0.02	1.610	1.000	1.202	1.94
	LTE Band 66/4	QPSK20M	Rear Face	0cm	132072	50	0	Ant 1	DSI3	1	-	21.50	20.75	-0.01	2.160	1.000	1.189	2.57
	LTE Band 66/4	QPSK20M	Bottom Side	0cm	132072	50	0	Ant 1	DSI3	1	-	21.50	20.75	0.17	1.540	1.000	1.189	1.83
	LTE Band 66/4	QPSK20M	Rear Face	0cm	132322	1	0	Ant 1	DSI3	1	-	22.50	21.61	-0.16	2.560	1.000	1.227	3.14
	LTE Band 66/4	QPSK20M	Rear Face	0cm	132572	1	0	Ant 1	DSI3	1	-	22.50	21.47	0.13	2.210	1.000	1.268	2.80
	LTE Band 66/4	QPSK20M	Rear Face	0cm	132322	50	0	Ant 1	DSI3	1	-	21.50	20.64	0.08	2.180	1.000	1.219	2.66
	LTE Band 66/4	QPSK20M	Rear Face	0cm	132572	50	0	Ant 1	DSI3	1	-	21.50	20.63	0.08	2.240	1.000	1.222	2.74
	LTE Band 66/4	QPSK20M	Rear Face	0cm	132072	100	0	Ant 1	DSI3	1	-	21.50	20.73	-0.14	2.150	1.000	1.194	2.57
	LTE Band 66/4	QPSK20M	Bottom Side	1.7cm	132072	1	0	Ant 1	DSI4	1	-	24.50	23.53	-0.15	0.233	1.000	1.250	0.29
	LTE Band 66B	QPSK20M	Rear Face	0cm	PCC:132022 SCC:132121	1	49	Ant 1	DSI3	1	-	22.50	22.22	0.13	2.380	1.000	1.067	2.54
	LTE Band 66C	QPSK20M	Rear Face	0cm														

	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Rear Face	0cm	132072	1	0	Ant 5	DSi6	1	-	21.00	19.73	0.17	0.809	1.000	1.340	1.08
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Top Side	0cm	132072	1	0	Ant 5	DSi6	1	-	21.00	19.73	0.18	1.600	1.000	1.340	2.14
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Rear Face	0cm	132072	50	0	Ant 5	DSi6	1	-	20.00	18.62	-0.08	0.827	1.000	1.374	1.14
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Top Side	0cm	132072	50	0	Ant 5	DSi6	1	-	20.00	18.62	0.16	1.650	1.000	1.374	2.27
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Top Side	0cm	132322	1	0	Ant 5	DSi6	1	-	21.00	19.84	0.1	1.710	1.000	1.368	2.34
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Top Side	0cm	132572	1	0	Ant 5	DSi6	1	-	21.00	19.70	0.03	1.780	1.000	1.349	2.40
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Top Side	0cm	132322	50	0	Ant 5	DSi6	1	-	20.00	18.54	-0.13	1.710	1.000	1.400	2.39
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Top Side	0cm	132572	50	0	Ant 5	DSi6	1	-	20.00	18.59	0.1	1.720	1.000	1.384	2.38
	LTE Band 66/4 (ENDC&Sim-Tx)	QPSK20M	Top Side	0cm	132072	100	0	Ant 5	DSi6	1	-	20.00	18.55	0.15	1.700	1.000	1.396	2.37
P57	FR1 n2	DFT-15kHz-QPSK20M	Rear Face	0cm	376000	1	1	Ant 1	DSi3	1	-	22.00	21.02	-0.03	2.260	1.000	1.253	2.83
	FR1 n2	DFT-15kHz-QPSK20M	Bottom Side	0cm	376000	1	1	Ant 1	DSi3	1	-	22.00	21.02	-0.06	1.990	1.000	1.253	2.49
	FR1 n2	DFT-15kHz-QPSK20M	Rear Face	0cm	376000	50	28	Ant 1	DSi3	1	-	22.00	20.93	0.09	2.380	1.000	1.279	3.05
	FR1 n2	DFT-15kHz-QPSK20M	Bottom Side	0cm	376000	50	28	Ant 1	DSi3	1	-	22.00	20.93	-0.15	1.580	1.000	1.279	2.02
	FR1 n2	DFT-15kHz-QPSK20M	Rear Face	0cm	372000	1	1	Ant 1	DSi3	1	-	22.00	20.99	-0.06	2.610	1.000	1.262	3.25
	FR1 n2	DFT-15kHz-QPSK20M	Rear Face	0cm	380000	1	1	Ant 1	DSi3	1	-	22.00	21.01	0.17	2.340	1.000	1.256	2.94
	FR1 n2	DFT-15kHz-QPSK20M	Bottom Side	0cm	372000	1	1	Ant 1	DSi3	1	-	22.00	20.99	-0.17	1.820	1.000	1.262	2.30
	FR1 n2	DFT-15kHz-QPSK20M	Bottom Side	0cm	380000	1	1	Ant 1	DSi3	1	-	22.00	21.01	-0.05	1.850	1.000	1.256	2.32
	FR1 n2	DFT-15kHz-QPSK20M	Rear Face	0cm	372000	50	28	Ant 1	DSi3	1	-	22.00	20.85	-0.14	2.180	1.000	1.303	2.84
	FR1 n2	DFT-15kHz-QPSK20M	Rear Face	0cm	380000	50	28	Ant 1	DSi3	1	-	22.00	20.90	-0.07	2.270	1.000	1.288	2.92
	FR1 n2	DFT-15kHz-QPSK20M	Bottom Side	0cm	372000	50	28	Ant 1	DSi3	1	-	22.00	20.85	-0.12	1.880	1.000	1.303	2.45
	FR1 n2	DFT-15kHz-QPSK20M	Bottom Side	0cm	380000	50	28	Ant 1	DSi3	1	-	22.00	20.90	0.06	1.960	1.000	1.288	2.53
	FR1 n2	DFT-15kHz-QPSK20M	Rear Face	0cm	376000	100	0	Ant 1	DSi3	1	-	21.00	20.60	-0.11	2.360	1.000	1.096	2.59
	FR1 n2	DFT-15kHz-QPSK20M	Bottom Side	0cm	376000	100	0	Ant 1	DSi3	1	-	21.00	20.60	0.09	2.010	1.000	1.096	2.20
	FR1 n2	DFT-15kHz-QPSK20M	Bottom Side	1.7cm	376000	1	1	Ant 1	DSi4	1	-	24.50	23.39	0.09	0.266	1.000	1.291	0.34
	FR1 n2	DFT-15kHz-QPSK20M	Rear Face	0cm	372000	1	1	Ant 1	DSi3	2	-	22.00	20.99	-0.11	2.410	1.000	1.262	3.04
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	0cm	376000	1	1	Ant 1	DSi6	1	-	22.00	21.02	-0.03	2.260	1.000	1.253	2.83
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Bottom Side	0cm	376000	1	1	Ant 1	DSi6	1	-	22.00	21.02	-0.06	1.990	1.000	1.253	2.49
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	0cm	376000	50	28	Ant 1	DSi6	1	-	22.00	20.93	0.09	2.380	1.000	1.279	3.05
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Bottom Side	0cm	376000	50	28	Ant 1	DSi6	1	-	22.00	20.93	-0.15	1.580	1.000	1.279	2.02
P58	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	0cm	372000	1	1	Ant 1	DSi6	1	-	22.00	20.99	-0.06	2.610	1.000	1.262	3.25
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	0cm	380000	1	1	Ant 1	DSi6	1	-	22.00	21.01	0.17	2.340	1.000	1.256	2.94
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Bottom Side	0cm	372000	1	1	Ant 1	DSi6	1	-	22.00	20.99	-0.17	1.820	1.000	1.262	2.30
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Bottom Side	0cm	380000	1	1	Ant 1	DSi6	1	-	22.00	21.01	-0.05	1.850	1.000	1.256	2.32
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	0cm	372000	50	28	Ant 1	DSi6	1	-	22.00	20.85	-0.14	2.180	1.000	1.303	2.84
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	0cm	380000	50	28	Ant 1	DSi6	1	-	22.00	20.90	-0.07	2.270	1.000	1.288	2.92
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Bottom Side	0cm	372000	50	28	Ant 1	DSi6	1	-	22.00	20.85	-0.12	1.880	1.000	1.303	2.45
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Bottom Side	0cm	380000	50	28	Ant 1	DSi6	1	-	22.00	20.90	0.06	1.960	1.000	1.288	2.53
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	0cm	376000	100	0	Ant 1	DSi6	1	-	21.00	20.60	-0.11	2.360	1.000	1.096	2.59
	FR1 n2 (Sim-Tx)	DFT-15kHz-QPSK20M	Bottom Side	0cm	376000	100	0	Ant 1	DSi6	1	-	21.00	20.60	0.09	2.010	1.000	1.096	2.20
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Rear Face	0cm	376000	1	1	Ant 5	DSi3	1	-	20.00	19.09	-0.05	1.370	1.000	1.233	1.69
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Top Side	0cm	376000	1	1	Ant 5	DSi3	1	-	20.00	19.09	0.18	1.960	1.000	1.233	2.42
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Rear Face	0cm	376000	50	28	Ant 5	DSi3	1	-	20.00	18.96	0.02	1.310	1.000	1.271	1.66
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Top Side	0cm	376000	50	28	Ant 5	DSi3	1	-	20.00	18.96	-0.07	1.640	1.000	1.271	2.08
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Top Side	0cm	372000	1	1	Ant 5	DSi3	1	-	20.00	19.05	-0.12	1.680	1.000	1.245	2.09
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Top Side	0cm	380000	1	1	Ant 5	DSi3	1	-	20.00	19.08	-0.15	1.830	1.000	1.236	2.26
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Top Side	0cm	372000	50	28	Ant 5	DSi3	1	-	20.00	18.92	-0.07	1.730	1.000	1.282	2.22
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Top Side	0cm	380000	50	28	Ant 5	DSi3	1	-	20.00	18.94	0.11	1.750	1.000	1.276	2.23
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Top Side	0cm	376000	100	0	Ant 5	DSi3	1	-	19.00	17.99	0.05	1.690	1.000	1.262	2.13
	FR1 n2 (ENDC)	DFT-15kHz-QPSK20M	Top Side	2.2cm	376000	1	1	Ant 5	DSi4	1	-	24.50	23.49	-0.16	0.197	1.000	1.262	0.25
P59	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	0cm	376000	1	1	Ant 5	DSi6	1	-	19.00	18.15	0.13	1.060	1.000	1.216	1.29
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Top Side	0cm	376000	1	1	Ant 5	DSi6	1	-	19.00	18.15	0.18	1.510	1.000	1.216	1.84
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Rear Face	0cm	376000	50	28	Ant 5	DSi6	1	-	19.00	18.06	0.01	0.997	1.000	1.242	1.24
	FR1 n2 (ENDC&Sim-Tx)	DFT-15kHz-QPSK20M	Top Side	0cm	376000	50	28	Ant 5	DSi6	1	-	19.00	18.06	-0.16	1.600	1.000	1.242	1.99
	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	0cm	349000	1	1	Ant 1	DSi3	1	-	22.00	21.37	0.14	2.220	1.000	1.156	2.57
	FR1 n66	DFT-15kHz-QPSK40M	Bottom Side	0cm	349000	1	1	Ant 1	DSi3	1	-	22.00	21.37	0.19	1.880	1.000	1.156	2.17
	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	0cm	349000	108	54	Ant 1	DSi3	1	-	22.00	21.24	-0.11	2.180	1.000	1.191	2.60
	FR1 n66	DFT-15kHz-QPSK40M	Bottom Side	0cm	349000	108	54	Ant 1	DSi3	1	-	22.00	21.24	-0.12	1.740	1.000	1.191	2.07
	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	0cm	346000	1	1	Ant 1	DSi3	1	-	22.00	21.32	0.05	2.190	1.000	1.169	2.56
	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	0cm	352000	1	1	Ant 1	DSi3	1	-	22.00	21.35	0.16	2.270	1.000	1.161	2.64
	FR1 n66	DFT-15kHz-QPSK40M	Bottom Side	0cm	346000	1	1	Ant 1	DSi3	1	-	22.00	21.32	0.02	1.650	1.000	1.169	1.93
	FR1 n66	DFT-15kHz-QPSK40M	Bottom Side	0cm	352000	1	1	Ant 1	DSi3	1	-	22.00	21.35	0.09	1.710	1.000	1.161	1.99
	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	0cm	346000	108	54	Ant 1	DSi3	1	-	22.00	21.09	-0.06	2.410	1.000	1.233	2.97
	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	0cm	352000	108	54	Ant 1	DSi3	1	-	22.00	21.12	0.08	2.280	1.000	1.225	2.79
	FR1 n66	DFT-15kHz-QPSK40M	Bottom Side	0cm	346000	108	54	Ant 1	DSi3	1	-	22.00	21.09	0.13	1.750	1.000	1.233	2.16
	FR1 n66	DFT-15kHz-QPSK40M	Bottom Side	0cm	352000	108	54	Ant 1	DSi3	1	-	22.00	21.12	0.06	1.660	1.000	1.225	2.03
	FR1 n66	DFT-15kHz-QPSK40M	Rear Face	0cm	349000	216	0	Ant 1	DSi3	1	-	21.50	20.57	-0.01	2.270	1.000	1.239	2.81
	FR1 n66	DFT-15kHz-QPSK40M	Bottom Side	0cm	349000	216	0	Ant 1	DSi3	1	-	21.50	20.57	0.04	1.690	1.000	1.239	2.09
	FR1 n66	DFT-15kHz-QPSK40M	Bottom Side	1.7cm	349000	1	1	Ant 1	DSi4	1	-	24.50	23.79	0.11	0.258	1.000	1.178	0.30
P60	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	0cm	349000	1	1	Ant 1	DSi6	1	-	22.00	21.37	0.14	2.220	1.000	1.156	2.57
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Bottom Side	0cm	349000	1	1	Ant 1	DSi6	1	-	22.00	21.37	0.19	1.880	1.000	1.156	2.17
	FR1 n66 (Sim-Tx)	DFT-15kHz-QPSK40M	Rear Face	0cm	349000	108	54	Ant 1	DSi6	1	-	22.00	21.24	-0.11	2.180	1.000	1.191	2.60</

	FR1 n77	DFT-30KHz-QPSK100M	Rear Face	0cm	633334	1	1	Ant 4	DSI3	1	-	19.00	17.74	0.04	1.940	1.000	1.337	2.59
	FR1 n77	DFT-30KHz-QPSK100M	Left Side	0cm	633334	1	1	Ant 4	DSI3	1	-	19.00	17.74	0.15	1.270	1.000	1.337	1.70
	FR1 n77	DFT-30KHz-QPSK100M	Rear Face	0cm	633334	135	69	Ant 4	DSI3	1	-	19.00	17.62	0.04	1.680	1.000	1.374	2.31
	FR1 n77	DFT-30KHz-QPSK100M	Left Side	0cm	633334	135	69	Ant 4	DSI3	1	-	19.00	17.62	0.05	1.280	1.000	1.374	1.76
	FR1 n77	DFT-30KHz-QPSK100M	Rear Face	0cm	633334	270	0	Ant 4	DSI3	1	-	19.00	17.55	0.14	1.740	1.000	1.396	2.43
	FR1 n77 PC2	DFT-30KHz-QPSK100M	Rear Face	0cm	633334	1	1	Ant 4	DSI3	1	-	22.00	20.45	-0.11	1.700	1.000	1.429	2.43
	FR1 n77	DFT-30KHz-QPSK100M	Left Side	1.3cm	633334	1	1	Ant 4	DSI4	1	-	24.50	23.16	0.15	0.254	1.000	1.361	0.35
	FR1 n77	DFT-30KHz-QPSK100M	Rear Face	0cm	662000	1	1	Ant 4	DSI3	1	-	19.00	17.75	0.05	1.930	1.000	1.334	2.57
	FR1 n77	DFT-30KHz-QPSK100M	Left Side	0cm	662000	1	1	Ant 4	DSI3	1	-	19.00	17.75	-0.13	1.350	1.000	1.334	1.80
P59	FR1 n77	DFT-30KHz-QPSK100M	Rear Face	0cm	662000	135	69	Ant 4	DSI3	1	-	19.00	17.65	-0.05	2.240	1.000	1.365	3.06
	FR1 n77	DFT-30KHz-QPSK100M	Left Side	0cm	662000	135	69	Ant 4	DSI3	1	-	19.00	17.65	0.04	1.330	1.000	1.365	1.82
	FR1 n77	DFT-30KHz-QPSK100M	Rear Face	0cm	650000	1	1	Ant 4	DSI3	1	-	19.00	17.49	0.01	1.590	1.000	1.416	2.25
	FR1 n77	DFT-30KHz-QPSK100M	Rear Face	0cm	656000	1	1	Ant 4	DSI3	1	-	19.00	17.66	-0.07	1.690	1.000	1.361	2.30
	FR1 n77	DFT-30KHz-QPSK100M	Rear Face	0cm	650000	135	69	Ant 4	DSI3	1	-	19.00	17.45	0.01	1.820	1.000	1.429	2.60
	FR1 n77	DFT-30KHz-QPSK100M	Rear Face	0cm	656000	135	69	Ant 4	DSI3	1	-	19.00	17.60	0.09	1.770	1.000	1.380	2.44
	FR1 n77	DFT-30KHz-QPSK100M	Rear Face	0cm	662000	270	0	Ant 4	DSI3	1	-	19.00	17.63	-0.17	2.090	1.000	1.371	2.87
	FR1 n77 PC2	DFT-30KHz-QPSK100M	Rear Face	0cm	662000	135	69	Ant 4	DSI3	1	-	22.00	20.53	0.13	2.060	1.000	1.403	2.89
	FR1 n77	DFT-30KHz-QPSK100M	Left Side	1.3cm	662000	1	1	Ant 4	DSI4	1	-	24.50	23.14	0.14	0.538	1.000	1.368	0.74
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Rear Face	0cm	633334	1	1	Ant 4	DSI3	1	-	18.50	17.20	0.06	1.710	1.000	1.349	2.31
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Side	0cm	633334	1	1	Ant 4	DSI3	1	-	18.50	17.20	0.05	1.230	1.000	1.349	1.66
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Rear Face	0cm	633334	135	69	Ant 4	DSI3	1	-	18.50	17.18	-0.05	1.860	1.000	1.355	2.52
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Side	0cm	633334	135	69	Ant 4	DSI3	1	-	18.50	17.18	-0.04	1.330	1.000	1.355	1.80
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Rear Face	0cm	633334	270	0	Ant 4	DSI3	1	-	18.50	17.12	0.13	2.000	1.000	1.374	2.75
	FR1 n77 PC2 (Sim-Tx)	DFT-30KHz-QPSK100M	Rear Face	0cm	633334	270	0	Ant 4	DSI3	1	-	20.50	18.80	0.07	1.900	1.000	1.479	2.81
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Rear Face	0cm	662000	1	1	Ant 4	DSI3	1	-	18.50	17.23	0.06	1.760	1.000	1.340	2.36
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Side	0cm	662000	1	1	Ant 4	DSI3	1	-	18.50	17.23	0.13	1.350	1.000	1.340	1.81
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Rear Face	0cm	662000	135	69	Ant 4	DSI3	1	-	18.50	17.12	0.06	1.690	1.000	1.374	2.32
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Left Side	0cm	662000	135	69	Ant 4	DSI3	1	-	18.50	17.12	-0.05	1.420	1.000	1.374	1.95
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Rear Face	0cm	650000	1	1	Ant 4	DSI3	1	-	18.50	16.98	-0.13	2.000	1.000	1.419	2.84
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Rear Face	0cm	656000	1	1	Ant 4	DSI3	1	-	18.50	17.07	0.04	1.960	1.000	1.390	2.72
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Rear Face	0cm	650000	135	69	Ant 4	DSI3	1	-	18.50	16.95	0.19	1.710	1.000	1.429	2.44
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Rear Face	0cm	656000	135	69	Ant 4	DSI3	1	-	18.50	17.03	-0.01	1.990	1.000	1.403	2.79
	FR1 n77 (Sim-Tx)	DFT-30KHz-QPSK100M	Rear Face	0cm	662000	270	0	Ant 4	DSI3	1	-	18.50	17.08	0.16	1.880	1.000	1.387	2.61
	FR1 n77 PC2 (Sim-Tx)	DFT-30KHz-QPSK100M	Rear Face	0cm	650000	1	1	Ant 4	DSI3	1	-	21.50	20.02	-0.04	1.860	1.000	1.406	2.62
	FR1 n77 (ENDC)	DFT-30KHz-QPSK100M	Rear Face	0cm	633334	1	1	Ant 4	DSI6	1	-	18.50	17.20	0.06	1.810	1.000	1.349	2.44
	FR1 n77 (ENDC)	DFT-30KHz-QPSK100M	Left Side	0cm	633334	1	1	Ant 4	DSI6	1	-	18.50	17.20	0.05	1.230	1.000	1.349	1.66
	FR1 n77 (ENDC)	DFT-30KHz-QPSK100M	Rear Face	0cm	633334	135	69	Ant 4	DSI6	1	-	18.50	17.18	-0.05	1.860	1.000	1.355	2.52
	FR1 n77 (ENDC)	DFT-30KHz-QPSK100M	Left Side	0cm	633334	135	69	Ant 4	DSI6	1	-	18.50	17.18	-0.04	1.330	1.000	1.355	1.80
	FR1 n77 (ENDC)	DFT-30KHz-QPSK100M	Rear Face	0cm	633334	270	0	Ant 4	DSI6	1	-	18.50	17.12	0.13	2.000	1.000	1.374	2.75
	FR1 n77 PC2 (ENDC)	DFT-30KHz-QPSK100M	Rear Face	0cm	633334	270	0	Ant 4	DSI6	1	-	20.50	18.80	0.07	1.900	1.000	1.479	2.81
	FR1 n77 (ENDC)	DFT-30KHz-QPSK100M	Rear Face	0cm	662000	1	1	Ant 4	DSI6	1	-	18.50	17.23	0.06	1.760	1.000	1.340	2.36
	FR1 n77 (ENDC)	DFT-30KHz-QPSK100M	Left Side	0cm	662000	1	1	Ant 4	DSI6	1	-	18.50	17.23	0.13	1.350	1.000	1.340	1.81
	FR1 n77 (ENDC)	DFT-30KHz-QPSK100M	Rear Face	0cm	662000	135	69	Ant 4	DSI6	1	-	18.50	17.12	0.06	1.690	1.000	1.374	2.32
	FR1 n77 (ENDC)	DFT-30KHz-QPSK100M	Left Side	0cm	662000	135	69	Ant 4	DSI6	1	-	18.50	17.12	-0.05	1.420	1.000	1.374	1.95
	FR1 n77 (ENDC)	DFT-30KHz-QPSK100M	Rear Face	0cm	650000	1	1	Ant 4	DSI6	1	-	18.50	16.98	-0.13	2.000	1.000	1.419	2.84
	FR1 n77 (ENDC)	DFT-30KHz-QPSK100M	Rear Face	0cm	656000	1	1	Ant 4	DSI6	1	-	18.50	17.07	0.04	1.960	1.000	1.390	2.72
	FR1 n77 (ENDC)	DFT-30KHz-QPSK100M	Rear Face	0cm	650000	135	69	Ant 4	DSI6	1	-	18.50	16.95	0.19	1.710	1.000	1.429	2.44
	FR1 n77 (ENDC)	DFT-30KHz-QPSK100M	Rear Face	0cm	656000	135	69	Ant 4	DSI6	1	-	18.50	17.03	-0.01	1.990	1.000	1.403	2.79
	FR1 n77 (ENDC)	DFT-30KHz-QPSK100M	Rear Face	0cm	662000	270	0	Ant 4	DSI6	1	-	18.50	17.08	0.16	1.880	1.000	1.387	2.61
	FR1 n77 PC2 (ENDC)	DFT-30KHz-QPSK100M	Rear Face	0cm	650000	1	1	Ant 4	DSI6	1	-	21.50	20.02	-0.04	1.860	1.000	1.406	2.62
	FR1 n77 (ENDC&Sim-Tx)	DFT-30KHz-QPSK100M	Rear Face	0cm	633334	1	1	Ant 4	DSI6	1	-	15.50	14.26	0.15	0.907	1.000	1.330	1.21
	FR1 n77 (ENDC&Sim-Tx)	DFT-30KHz-QPSK100M	Left Side	0cm	633334	1	1	Ant 4	DSI6	1	-	15.50	14.26	0.16	0.588	1.000	1.330	0.78
	FR1 n77 (ENDC&Sim-Tx)	DFT-30KHz-QPSK100M	Rear Face	0cm	633334	135	69	Ant 4	DSI6	1	-	15.50	14.21	0.15	0.809	1.000	1.346	1.09
	FR1 n77 (ENDC&Sim-Tx)	DFT-30KHz-QPSK100M	Left Side	0cm	633334	135	69	Ant 4	DSI6	1	-	15.50	14.21	-0.13	0.585	1.000	1.346	0.79
	FR1 n77 PC2 (ENDC&Sim-Tx)	DFT-30KHz-QPSK100M	Rear Face	0cm	633334	1	1	Ant 4	DSI6	1	-	18.50	16.96	-0.14	0.805	1.000	1.426	1.15
	FR1 n77 (ENDC&Sim-Tx)	DFT-30KHz-QPSK100M	Rear Face	0cm	662000	1	1	Ant 4	DSI6	1	-	15.50	14.30	0.05	0.849	1.000	1.318	1.12
	FR1 n77 (ENDC&Sim-Tx)	DFT-30KHz-QPSK100M	Left Side	0cm	662000	1	1	Ant 4	DSI6	1	-	15.50	14.30	0.15	0.599	1.000	1.318	0.79
	FR1 n77 (ENDC&Sim-Tx)	DFT-30KHz-QPSK100M	Rear Face	0cm	662000	135	69	Ant 4	DSI6	1	-	15.50	14.22	0.06	0.963	1.000	1.343	1.29
	FR1 n77 (ENDC&Sim-Tx)	DFT-30KHz-QPSK100M	Left Side	0cm	662000	135	69	Ant 4	DSI6	1	-	15.50	14.22	0.04	0.610	1.000	1.343	0.82
	FR1 n77 PC2 (ENDC&Sim-Tx)	DFT-30KHz-QPSK100M	Rear Face	0cm	662000	135	69	Ant 4	DSI6	1	-	18.50	17.08	0.01	0.775	1.000	1.387	1.08
	FR1 n77	DFT-30KHz-QPSK100M	Rear Face	0cm	633334	1	1	Ant 3	DSI4	1	-	18.50	17.39	0.1	1.950	1.000	1.291	2.52
	FR1 n77	DFT-30KHz-QPSK100M	Left Side	0cm	633334	1	1	Ant 3	DSI4	1	-	18.50	17.39	-0.03	1.070	1.000	1.291	1.38
	FR1 n77	DFT-30KHz-QPSK100M	Rear Face	0cm	633334	135	69	Ant 3	DSI4	1	-	18.50	17.21	0.03	2.030	1.000	1.346	2.73
	FR1 n77	DFT-30KHz-QPSK100M	Left Side	0cm	633334	135	69	Ant 3	DSI4	1	-	18.50	17.21	0.01	1.180	1.000	1.346	1.59
	FR1 n77	DFT-30KHz-QPSK100M	Rear Face	0cm	633334	270	0	Ant 3	DSI4	1	-	18.50	17.03	-0.04	1.970	1.000	1.403	2.76
	FR1 n77	DFT-30KHz-QPSK100M	Rear Face	0cm	662000	1	1	Ant 3	DSI4	1	-	18.50	17.77	0.07	2.230	1.000	1.183	2.64
	FR1 n77	DFT-30KHz-QPSK100M	Left Side	0cm	662000	1	1	Ant 3	DSI4	1	-	18.50	17.77	-0.04	1.700	1.000	1.183	2.01
	FR1 n77	DFT-30KHz-QPSK100M	Rear Face	0cm	662000	135	69	Ant 3	DSI4	1	-	18.50	17.61	-0.17	2.190	1.000	1.227	2.69
	FR1 n77	DFT-30KHz-QPSK100M	Left Side	0cm	662000	135	69	Ant 3	DSI4	1	-	18.50	17.61	-0.1	1.530	1.000	1.227	1.88
	FR1 n77	DFT-30KHz-QPSK100M	Rear Face	0cm	650000	1	1	Ant 3	DSI4	1	-	18.50	17.48	0.17	2.080	1.000	1.265	2.63
	FR1 n77	DFT-30KHz-QPSK100M	Rear Face	0cm	656000	1	1	Ant 3	DSI4	1	-	18.50	17.56	0.11	1.990	1.000	1.242	2.47
	FR1 n77	DFT-30KHz-QPSK100M	Left Side															

	WLAN 5.5G	802.11a 6Mbps	Front Face	0cm	144	-	-	Ant 6	DSI3	1	97.88	17.50	16.54	0.08	0.269	1.022	1.247	0.34
	WLAN 5.5G	802.11a 6Mbps	Rear Face	0cm	144	-	-	Ant 6	DSI3	1	97.88	17.50	16.54	-0.16	0.307	1.022	1.247	0.39
	WLAN 5.5G	802.11a 6Mbps	Left Side	0cm	144	-	-	Ant 6	DSI3	1	97.88	17.50	16.54	0.14	0.108	1.022	1.247	0.14
	WLAN 5.5G	802.11a 6Mbps	Right Side	0cm	144	-	-	Ant 6	DSI3	1	97.88	17.50	16.54	0.02	0.069	1.022	1.247	0.09
P61	WLAN 5.5G	802.11a 6Mbps	Top Side	0cm	144	-	-	Ant 6	DSI3	1	97.88	17.50	16.54	-0.05	0.835	1.022	1.247	1.06
	WLAN 5.5G	802.11a 6Mbps	Right Side	0.7cm	144	-	-	Ant 6	DSI5	1	97.88	19.50	18.41	0.09	0.044	1.022	1.285	0.06
	WLAN 5.5G	802.11a 6Mbps	Top Side	1.8cm	144	-	-	Ant 6	DSI5	1	97.88	19.50	18.41	0.14	0.125	1.022	1.285	0.16

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/ka)	1g SAR (W/ka)	1g SAR (W/ka)	1g SAR (W/ka)	1g SAR (W/ka)			
NR n2 (Ant5)	LTE Band 5 (Ant2)	Right Cheek	0.44	0.17	0.41	0.54	0.00	0.61	1.02	1.15
		Right Tilted	0.57	0.10	0.47	0.58	0.00	0.68	1.15	1.25
		Left Cheek	0.28	0.19	0.78	0.65	0.18	0.47	1.25	1.30
		Left Tilted	0.39	0.14	0.62	0.69	0.09	0.53	1.15	1.31
NR n2 (Ant5)	LTE Band 13 (Ant2)	Right Cheek	0.44	0.11	0.41	0.54	0.00	0.56	0.96	1.09
		Right Tilted	0.57	0.00	0.47	0.58	0.00	0.57	1.04	1.15
		Left Cheek	0.28	0.10	0.78	0.65	0.18	0.38	1.16	1.21
		Left Tilted	0.39	0.09	0.62	0.69	0.09	0.48	1.10	1.26
NR n2 (Ant5)	LTE Band 66 (Ant1)	Right Cheek	0.44	0.13	0.41	0.54	0.00	0.57	0.98	1.11
		Right Tilted	0.57	0.10	0.47	0.58	0.00	0.68	1.15	1.25
		Left Cheek	0.28	0.22	0.78	0.65	0.18	0.50	1.28	1.33
		Left Tilted	0.39	0.10	0.62	0.69	0.09	0.49	1.11	1.27
NR n5 (Ant2)	LTE Band 2 (Ant5)	Right Cheek	0.18	0.40	0.41	0.54	0.00	0.58	0.99	1.12
		Right Tilted	0.10	0.52	0.47	0.58	0.00	0.62	1.09	1.20
		Left Cheek	0.19	0.29	0.78	0.65	0.18	0.48	1.25	1.31
		Left Tilted	0.12	0.36	0.62	0.69	0.09	0.48	1.10	1.26
NR n5 (Ant2)	LTE Band 66 (Ant5)	Right Cheek	0.18	0.37	0.41	0.54	0.00	0.54	0.95	1.08
		Right Tilted	0.10	0.42	0.47	0.58	0.00	0.52	0.99	1.10
		Left Cheek	0.19	0.42	0.78	0.65	0.18	0.60	1.38	1.43
		Left Tilted	0.12	0.43	0.62	0.69	0.09	0.55	1.17	1.33
NR n66 (Ant5)	LTE Band 2 (Ant1)	Right Cheek	0.49	0.14	0.41	0.54	0.00	0.63	1.04	1.17
		Right Tilted	0.61	0.13	0.47	0.58	0.00	0.73	1.20	1.31
		Left Cheek	0.35	0.16	0.78	0.65	0.18	0.51	1.28	1.34
		Left Tilted	0.46	0.08	0.62	0.69	0.09	0.54	1.16	1.32
NR n66 (Ant5)	LTE Band 5 (Ant2)	Right Cheek	0.49	0.17	0.41	0.54	0.00	0.66	1.07	1.20
		Right Tilted	0.61	0.10	0.47	0.58	0.00	0.71	1.18	1.28
		Left Cheek	0.35	0.19	0.78	0.65	0.18	0.54	1.31	1.37
		Left Tilted	0.46	0.14	0.62	0.69	0.09	0.60	1.22	1.38
NR n66 (Ant5)	LTE Band 13 (Ant2)	Right Cheek	0.49	0.11	0.41	0.54	0.00	0.61	1.02	1.15
		Right Tilted	0.61	0.00	0.47	0.58	0.00	0.61	1.07	1.18
		Left Cheek	0.35	0.10	0.78	0.65	0.18	0.45	1.22	1.28
		Left Tilted	0.46	0.09	0.62	0.69	0.09	0.55	1.17	1.33
NR n77 (Ant4)	LTE Band 2 (Ant1)	Right Cheek	0.55	0.14	0.41	0.54	0.00	0.69	1.10	1.23
		Right Tilted	0.29	0.13	0.47	0.58	0.00	0.42	0.89	0.99
		Left Cheek	0.18	0.16	0.78	0.65	0.18	0.34	1.11	1.17
		Left Tilted	0.15	0.08	0.62	0.69	0.09	0.23	0.85	1.01
NR n77 (Ant4)	LTE Band 5 (Ant2)	Right Cheek	0.55	0.17	0.41	0.54	0.00	0.72	1.13	1.26
		Right Tilted	0.29	0.10	0.47	0.58	0.00	0.40	0.86	0.97
		Left Cheek	0.18	0.19	0.78	0.65	0.18	0.37	1.15	1.20
		Left Tilted	0.15	0.14	0.62	0.69	0.09	0.29	0.91	1.07
NR n77 (Ant4)	LTE Band 13 (Ant2)	Right Cheek	0.55	0.11	0.41	0.54	0.00	0.67	1.08	1.21
		Right Tilted	0.29	0.00	0.47	0.58	0.00	0.29	0.76	0.87
		Left Cheek	0.18	0.10	0.78	0.65	0.18	0.28	1.06	1.11
		Left Tilted	0.15	0.09	0.62	0.69	0.09	0.24	0.86	1.02
NR n77 (Ant4)	LTE Band 66 (Ant1)	Right Cheek	0.55	0.13	0.41	0.54	0.00	0.68	1.09	1.22
		Right Tilted	0.29	0.10	0.47	0.58	0.00	0.39	0.86	0.97
		Left Cheek	0.18	0.22	0.78	0.65	0.18	0.40	1.17	1.23
		Left Tilted	0.15	0.10	0.62	0.69	0.09	0.25	0.87	1.03

< 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/ka)	1g SAR (W/ka)	1g SAR (W/ka)	1g SAR (W/ka)	1g SAR (W/ka)			
LTE Band 2 (Ant1)	LTE Band 4 (Ant5)	Right Cheek	0.14	0.37	0.41	0.54	0.00	0.50	0.91	1.04
		Right Tilted	0.13	0.42	0.47	0.58	0.00	0.55	1.02	1.12
		Left Cheek	0.16	0.42	0.78	0.65	0.18	0.58	1.36	1.41
		Left Tilted	0.08	0.43	0.62	0.69	0.09	0.51	1.12	1.29
LTE Band 2 (Ant5)	LTE Band 5 (Ant2)	Right Cheek	0.40	0.17	0.41	0.54	0.00	0.57	0.98	1.11
		Right Tilted	0.52	0.10	0.47	0.58	0.00	0.63	1.10	1.20
		Left Cheek	0.29	0.19	0.78	0.65	0.18	0.48	1.26	1.31
		Left Tilted	0.36	0.14	0.62	0.69	0.09	0.50	1.11	1.28
LTE Band 2 (Ant5)	LTE Band 13 (Ant2)	Right Cheek	0.40	0.11	0.41	0.54	0.00	0.51	0.92	1.05
		Right Tilted	0.52	0.00	0.47	0.58	0.00	0.52	0.99	1.10
		Left Cheek	0.29	0.10	0.78	0.65	0.18	0.39	1.17	1.22
		Left Tilted	0.36	0.09	0.62	0.69	0.09	0.45	1.06	1.23
LTE Band 2 (Ant1)	LTE Band 66 (Ant5)	Right Cheek	0.14	0.37	0.41	0.54	0.00	0.50	0.91	1.04
		Right Tilted	0.13	0.42	0.47	0.58	0.00	0.55	1.02	1.12
		Left Cheek	0.16	0.42	0.78	0.65	0.18	0.58	1.36	1.41
		Left Tilted	0.08	0.43	0.62	0.69	0.09	0.51	1.12	1.29
LTE Band 4 (Ant5)	LTE Band 5 (Ant2)	Right Cheek	0.37	0.17	0.41	0.54	0.00	0.54	0.94	1.07
		Right Tilted	0.42	0.10	0.47	0.58	0.00	0.53	0.99	1.10
		Left Cheek	0.42	0.19	0.78	0.65	0.18	0.61	1.39	1.44
		Left Tilted	0.43	0.14	0.62	0.69	0.09	0.57	1.18	1.35
LTE Band 4 (Ant5)	LTE Band 13 (Ant2)	Right Cheek	0.37	0.11	0.41	0.54	0.00	0.48	0.89	1.02
		Right Tilted	0.42	0.00	0.47	0.58	0.00	0.42	0.89	1.00
		Left Cheek	0.42	0.10	0.78	0.65	0.18	0.52	1.30	1.35
		Left Tilted	0.43	0.09	0.62	0.69	0.09	0.52	1.13	1.30
LTE Band 5 (Ant2)	LTE Band 66 (Ant5)	Right Cheek	0.17	0.37	0.41	0.54	0.00	0.54	0.94	1.07
		Right Tilted	0.10	0.42	0.47	0.58	0.00	0.53	0.99	1.10
		Left Cheek	0.19	0.42	0.78	0.65	0.18	0.61	1.39	1.44
		Left Tilted	0.14	0.43	0.62	0.69	0.09	0.57	1.18	1.35
LTE Band 13 (Ant2)	LTE Band 66 (Ant5)	Right Cheek	0.11	0.37	0.41	0.54	0.00	0.48	0.89	1.02
		Right Tilted	0.00	0.42	0.47	0.58	0.00	0.42	0.89	1.00
		Left Cheek	0.10	0.42	0.78	0.65	0.18	0.52	1.30	1.35
		Left Tilted	0.09	0.43	0.62	0.69	0.09	0.52	1.13	1.30

< 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	0.22	0.26	0.25	0.23	0.00	0.48	0.73	0.71
		Back	0.44	0.35	0.41	0.46	0.07	0.79	1.20	1.32
NR n2 (Ant5)	LTE Band 13 (Ant2)	Front	0.22	0.19	0.25	0.23	0.00	0.41	0.65	0.64
		Back	0.44	0.28	0.41	0.46	0.07	0.72	1.13	1.25
NR n2 (Ant5)	LTE Band 66 (Ant1)	Front	0.22	0.16	0.25	0.23	0.00	0.38	0.63	0.62
		Back	0.44	0.39	0.41	0.46	0.07	0.82	1.23	1.35
NR n5 (Ant2)	LTE Band 2 (Ant5)	Front	0.23	0.20	0.25	0.23	0.00	0.43	0.67	0.66
		Back	0.39	0.43	0.41	0.46	0.07	0.82	1.23	1.35
NR n5 (Ant2)	LTE Band 66 (Ant5)	Front	0.23	0.28	0.25	0.23	0.00	0.51	0.75	0.74
		Back	0.39	0.43	0.41	0.46	0.07	0.82	1.23	1.35
NR n66 (Ant5)	LTE Band 2 (Ant1)	Front	0.20	0.16	0.25	0.23	0.00	0.36	0.61	0.59
		Back	0.46	0.36	0.41	0.46	0.07	0.81	1.22	1.35
NR n66 (Ant5)	LTE Band 5 (Ant2)	Front	0.20	0.26	0.25	0.23	0.00	0.46	0.71	0.69
		Back	0.46	0.35	0.41	0.46	0.07	0.81	1.22	1.34
NR n66 (Ant5)	LTE Band 13 (Ant2)	Front	0.20	0.19	0.25	0.23	0.00	0.39	0.63	0.62
		Back	0.46	0.28	0.41	0.46	0.07	0.74	1.15	1.27
NR n77 (Ant4)	LTE Band 2 (Ant1)	Front	0.13	0.16	0.25	0.23	0.00	0.29	0.54	0.53
		Back	0.35	0.36	0.41	0.46	0.07	0.71	1.12	1.24
NR n77 (Ant4)	LTE Band 5 (Ant2)	Front	0.13	0.26	0.25	0.23	0.00	0.39	0.64	0.63
		Back	0.35	0.35	0.41	0.46	0.07	0.70	1.11	1.23
NR n77 (Ant4)	LTE Band 13 (Ant2)	Front	0.13	0.19	0.25	0.23	0.00	0.32	0.56	0.55
		Back	0.35	0.28	0.41	0.46	0.07	0.63	1.04	1.16
NR n77 (Ant4)	LTE Band 66 (Ant1)	Front	0.13	0.16	0.25	0.23	0.00	0.29	0.54	0.53
		Back	0.35	0.39	0.41	0.46	0.07	0.73	1.14	1.27

< 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	0.16	0.28	0.25	0.23	0.00	0.44	0.68	0.67
		Back	0.36	0.43	0.41	0.46	0.07	0.79	1.20	1.32
LTE Band 2 (Ant5)	LTE Band 5 (Ant2)	Front	0.20	0.26	0.25	0.23	0.00	0.46	0.71	0.69
		Back	0.43	0.35	0.41	0.46	0.07	0.78	1.19	1.31
LTE Band 2 (Ant5)	LTE Band 13 (Ant2)	Front	0.20	0.19	0.25	0.23	0.00	0.39	0.63	0.62
		Back	0.43	0.28	0.41	0.46	0.07	0.71	1.12	1.24
LTE Band 2 (Ant1)	LTE Band 66 (Ant5)	Front	0.16	0.28	0.25	0.23	0.00	0.44	0.68	0.67
		Back	0.36	0.43	0.41	0.46	0.07	0.79	1.20	1.32
LTE Band 4 (Ant5)	LTE Band 5 (Ant2)	Front	0.28	0.26	0.25	0.23	0.00	0.54	0.78	0.77
		Back	0.43	0.35	0.41	0.46	0.07	0.78	1.19	1.31
LTE Band 4 (Ant5)	LTE Band 13 (Ant2)	Front	0.28	0.19	0.25	0.23	0.00	0.46	0.71	0.70
		Back	0.43	0.28	0.41	0.46	0.07	0.71	1.12	1.24
LTE Band 5 (Ant2)	LTE Band 66 (Ant5)	Front	0.26	0.28	0.25	0.23	0.00	0.54	0.78	0.77
		Back	0.35	0.43	0.41	0.46	0.07	0.78	1.19	1.31
LTE Band 13 (Ant2)	LTE Band 66 (Ant5)	Front	0.19	0.28	0.25	0.23	0.00	0.46	0.71	0.70
		Back	0.28	0.43	0.41	0.46	0.07	0.71	1.12	1.24

< 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	0.22	0.26	0.25	0.26	0.00	0.48	0.73	0.74
		Back	0.44	0.35	0.41	0.54	0.07	0.79	1.20	1.39
		Left side	0.06	0.16	0.06	0.17	0.00	0.21	0.27	0.38
		Right side	0.02	0.00	0.21	0.22	0.00	0.02	0.23	0.24
		Top side	0.56		0.28	0.63	0.09	0.56	0.84	1.28
		Bottom side		0.16				0.16	0.16	0.16
NR n2 (Ant5)	LTE Band 13 (Ant2)	Front	0.22	0.19	0.25	0.26	0.00	0.41	0.65	0.67
		Back	0.44	0.28	0.41	0.54	0.07	0.72	1.13	1.32
		Left side	0.06	0.08	0.06	0.17	0.00	0.14	0.19	0.31
		Right side	0.02	0.00	0.21	0.22	0.00	0.02	0.23	0.24
		Top side	0.56		0.28	0.63	0.09	0.56	0.84	1.28
		Bottom side		0.10				0.10	0.10	0.10
NR n2 (Ant5)	LTE Band 66 (Ant1)	Front	0.22	0.16	0.25	0.26	0.00	0.38	0.63	0.64
		Back	0.44	0.39	0.41	0.54	0.07	0.82	1.23	1.43
		Left side	0.06	0.00	0.06	0.17	0.00	0.06	0.11	0.23
		Right side	0.02	0.09	0.21	0.22	0.00	0.11	0.32	0.32
		Top side	0.56		0.28	0.63	0.09	0.56	0.84	1.28
		Bottom side		0.44				0.44	0.44	0.44
NR n5 (Ant2)	LTE Band 2 (Ant5)	Front	0.23	0.20	0.25	0.26	0.00	0.43	0.67	0.69
		Back	0.39	0.43	0.41	0.54	0.07	0.82	1.23	1.42
		Left side	0.22	0.06	0.06	0.17	0.00	0.28	0.34	0.45
		Right side	0.14	0.02	0.21	0.22	0.00	0.16	0.37	0.38
		Top side		0.53	0.28	0.63	0.09	0.53	0.81	1.25
		Bottom side	0.18					0.18	0.18	0.18
NR n5 (Ant2)	LTE Band 66 (Ant5)	Front	0.23	0.28	0.25	0.26	0.00	0.51	0.75	0.77
		Back	0.39	0.43	0.41	0.54	0.07	0.82	1.23	1.42
		Left side	0.22	0.07	0.06	0.17	0.00	0.29	0.35	0.46
		Right side	0.14	0.03	0.21	0.22	0.00	0.17	0.39	0.39
		Top side		0.62	0.28	0.63	0.09	0.62	0.90	1.34
		Bottom side	0.18					0.18	0.18	0.18
NR n66 (Ant5)	LTE Band 2 (Ant1)	Front	0.20	0.16	0.25	0.26	0.00	0.36	0.61	0.62
		Back	0.46	0.36	0.41	0.54	0.07	0.81	1.22	1.42
		Left side	0.05	0.00	0.06	0.17	0.00	0.05	0.11	0.22
		Right side	0.02	0.09	0.21	0.22	0.00	0.12	0.33	0.33
		Top side	0.53		0.28	0.63	0.09	0.53	0.80	1.24
		Bottom side		0.42				0.42	0.42	0.42
NR n66 (Ant5)	LTE Band 5 (Ant2)	Front	0.20	0.26	0.25	0.26	0.00	0.46	0.71	0.72
		Back	0.46	0.35	0.41	0.54	0.07	0.81	1.22	1.41
		Left side	0.05	0.16	0.06	0.17	0.00	0.21	0.27	0.38
		Right side	0.02	0.00	0.21	0.22	0.00	0.02	0.24	0.24
		Top side	0.53		0.28	0.63	0.09	0.53	0.80	1.24
		Bottom side		0.16				0.16	0.16	0.16
NR n66 (Ant5)	LTE Band 13 (Ant2)	Front	0.20	0.19	0.25	0.26	0.00	0.39	0.63	0.65
		Back	0.46	0.28	0.41	0.54	0.07	0.74	1.15	1.34
		Left side	0.05	0.08	0.06	0.17	0.00	0.13	0.19	0.30
		Right side	0.02	0.00	0.21	0.22	0.00	0.02	0.24	0.24
		Top side	0.53		0.28	0.63	0.09	0.53	0.80	1.24
		Bottom side		0.10				0.10	0.10	0.10
NR n77 (Ant4)	LTE Band 2 (Ant1)	Front	0.13	0.16	0.25	0.26	0.00	0.29	0.54	0.55
		Back	0.35	0.36	0.41	0.54	0.07	0.71	1.12	1.31
		Left side	0.32	0.00	0.06	0.17	0.00	0.32	0.37	0.49
		Right side	0.06	0.09	0.21	0.22	0.00	0.15	0.37	0.37
		Top side	0.13		0.28	0.63	0.09	0.13	0.40	0.84
		Bottom side		0.42				0.42	0.42	0.42
NR n77 (Ant4)	LTE Band 5 (Ant2)	Front	0.13	0.26	0.25	0.26	0.00	0.39	0.64	0.65
		Back	0.35	0.35	0.41	0.54	0.07	0.70	1.11	1.30
		Left side	0.32	0.16	0.06	0.17	0.00	0.47	0.53	0.64
		Right side	0.06	0.00	0.21	0.22	0.00	0.06	0.27	0.28
		Top side	0.13		0.28	0.63	0.09	0.13	0.40	0.84
		Bottom side		0.16				0.16	0.16	0.16
NR n77 (Ant4)	LTE Band 13 (Ant2)	Front	0.13	0.19	0.25	0.26	0.00	0.32	0.56	0.58
		Back	0.35	0.28	0.41	0.54	0.07	0.63	1.04	1.24
		Left side	0.32	0.08	0.06	0.17	0.00	0.40	0.45	0.57
		Right side	0.06	0.00	0.21	0.22	0.00	0.06	0.27	0.28
		Top side	0.13		0.28	0.63	0.09	0.13	0.40	0.84
		Bottom side		0.10				0.10	0.10	0.10
NR n77 (Ant4)	LTE Band 66 (Ant1)	Front	0.13	0.16	0.25	0.26	0.00	0.29	0.54	0.55
		Back	0.35	0.39	0.41	0.54	0.07	0.73	1.14	1.34
		Left side	0.32	0.00	0.06	0.17	0.00	0.32	0.37	0.49
		Right side	0.06	0.09	0.21	0.22	0.00	0.15	0.36	0.36
		Top side	0.13		0.28	0.63	0.09	0.13	0.40	0.84
		Bottom side		0.44				0.44	0.44	0.44

< 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	0.16	0.28	0.25	0.26	0.00	0.44	0.68	0.70
		Back	0.36	0.43	0.41	0.54	0.07	0.79	1.20	1.39
		Left side	0.00	0.07	0.06	0.17	0.00	0.07	0.13	0.24
		Right side	0.09	0.03	0.21	0.22	0.00	0.13	0.34	0.34
		Top side		0.62	0.28	0.63	0.09	0.62	0.90	1.34
		Bottom side	0.42					0.42	0.42	0.42
LTE Band 2 (Ant5)	LTE Band 5 (Ant2)	Front	0.20	0.26	0.25	0.26	0.00	0.46	0.71	0.72
		Back	0.43	0.35	0.41	0.54	0.07	0.78	1.19	1.39
		Left side	0.06	0.16	0.06	0.17	0.00	0.21	0.27	0.38
		Right side	0.02	0.00	0.21	0.22	0.00	0.02	0.23	0.24
		Top side	0.53		0.28	0.63	0.09	0.53	0.81	1.25
		Bottom side		0.16				0.16	0.16	0.16
LTE Band 2 (Ant5)	LTE Band 13 (Ant2)	Front	0.20	0.19	0.25	0.26	0.00	0.39	0.63	0.65
		Back	0.43	0.28	0.41	0.54	0.07	0.71	1.12	1.32
		Left side	0.06	0.08	0.06	0.17	0.00	0.14	0.19	0.31
		Right side	0.02	0.00	0.21	0.22	0.00	0.02	0.23	0.24
		Top side	0.53		0.28	0.63	0.09	0.53	0.81	1.25
		Bottom side		0.10				0.10	0.10	0.10
LTE Band 2 (Ant1)	LTE Band 66 (Ant5)	Front	0.16	0.28	0.25	0.26	0.00	0.44	0.68	0.70
		Back	0.36	0.43	0.41	0.54	0.07	0.79	1.20	1.39
		Left side	0.00	0.07	0.06	0.17	0.00	0.07	0.13	0.24
		Right side	0.09	0.03	0.21	0.22	0.00	0.13	0.34	0.34
		Top side		0.62	0.28	0.63	0.09	0.62	0.90	1.34
		Bottom side	0.42					0.42	0.42	0.42
LTE Band 4 (Ant5)	LTE Band 5 (Ant2)	Front	0.28	0.26	0.25	0.26	0.00	0.54	0.78	0.80
		Back	0.43	0.35	0.41	0.54	0.07	0.78	1.19	1.39
		Left side	0.07	0.16	0.06	0.17	0.00	0.23	0.28	0.40
		Right side	0.03	0.00	0.21	0.22	0.00	0.03	0.25	0.25
		Top side	0.62		0.28	0.63	0.09	0.62	0.90	1.34
		Bottom side		0.16				0.16	0.16	0.16
LTE Band 4 (Ant5)	LTE Band 13 (Ant2)	Front	0.28	0.19	0.25	0.26	0.00	0.46	0.71	0.72
		Back	0.43	0.28	0.41	0.54	0.07	0.71	1.12	1.32
		Left side	0.07	0.08	0.06	0.17	0.00	0.15	0.21	0.32
		Right side	0.03	0.00	0.21	0.22	0.00	0.03	0.25	0.25
		Top side	0.62		0.28	0.63	0.09	0.62	0.90	1.34
		Bottom side		0.10				0.10	0.10	0.10
LTE Band 5 (Ant2)	LTE Band 66 (Ant5)	Front	0.26	0.28	0.25	0.26	0.00	0.54	0.78	0.80
		Back	0.35	0.43	0.41	0.54	0.07	0.78	1.19	1.39
		Left side	0.16	0.07	0.06	0.17	0.00	0.23	0.28	0.40
		Right side	0.00	0.03	0.21	0.22	0.00	0.03	0.25	0.25
		Top side		0.62	0.28	0.63	0.09	0.62	0.90	1.34
		Bottom side	0.16					0.16	0.16	0.16
LTE Band 13 (Ant2)	LTE Band 66 (Ant5)	Front	0.19	0.28	0.25	0.26	0.00	0.46	0.71	0.72
		Back	0.28	0.43	0.41	0.54	0.07	0.71	1.12	1.32
		Left side	0.08	0.07	0.06	0.17	0.00	0.15	0.21	0.32
		Right side	0.00	0.03	0.21	0.22	0.00	0.03	0.25	0.25
		Top side		0.62	0.28	0.63	0.09	0.62	0.90	1.34
		Bottom side	0.10					0.10	0.10	0.10

< 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 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)			
NR n2 (Ant5)	LTE Band 5 (Ant2)	Front				0.35		0.00	0.00	0.35
		Back	1.29			0.45		1.29	1.29	1.74
		Left side				0.14		0.00	0.00	0.14
		Right side				0.11		0.00	0.00	0.11
		Top side	1.99			1.18		1.99	1.99	3.16
		Bottom side						0.00	0.00	0.00
NR n2 (Ant5)	LTE Band 13 (Ant2)	Front				0.35		0.00	0.00	0.35
		Back	1.29			0.45		1.29	1.29	1.74
		Left side				0.14		0.00	0.00	0.14
		Right side				0.11		0.00	0.00	0.11
		Top side	1.99			1.18		1.99	1.99	3.16
		Bottom side						0.00	0.00	0.00
NR n2 (Ant5)	LTE Band 66 (Ant1)	Front				0.35		0.00	0.00	0.35
		Back	1.29			0.45		1.29	1.29	1.74
		Left side				0.14		0.00	0.00	0.14
		Right side				0.11		0.00	0.00	0.11
		Top side	1.99			1.18		1.99	1.99	3.16
		Bottom side						0.00	0.00	0.00
NR n5 (Ant2)	LTE Band 2 (Ant5)	Front				0.35		0.00	0.00	0.35
		Back		1.42		0.45		1.42	1.42	1.87
		Left side				0.14		0.00	0.00	0.14
		Right side				0.11		0.00	0.00	0.11
		Top side		2.08		1.18		2.08	2.08	3.25
		Bottom side						0.00	0.00	0.00
NR n5 (Ant2)	LTE Band 66 (Ant5)	Front				0.35		0.00	0.00	0.35
		Back		1.14		0.45		1.14	1.14	1.58
		Left side				0.14		0.00	0.00	0.14
		Right side				0.11		0.00	0.00	0.11
		Top side		2.40		1.18		2.40	2.40	3.58
		Bottom side						0.00	0.00	0.00
NR n66 (Ant5)	LTE Band 2 (Ant1)	Front				0.35		0.00	0.00	0.35
		Back				0.45		0.00	0.00	0.45
		Left side				0.14		0.00	0.00	0.14
		Right side				0.11		0.00	0.00	0.11
		Top side	1.97			1.18		1.97	1.97	3.14
		Bottom side						0.00	0.00	0.00
NR n66 (Ant5)	LTE Band 5 (Ant2)	Front				0.35		0.00	0.00	0.35
		Back				0.45		0.00	0.00	0.45
		Left side				0.14		0.00	0.00	0.14
		Right side				0.11		0.00	0.00	0.11
		Top side	1.97			1.18		1.97	1.97	3.14
		Bottom side						0.00	0.00	0.00
NR n66 (Ant5)	LTE Band 13 (Ant2)	Front				0.35		0.00	0.00	0.35
		Back				0.45		0.00	0.00	0.45
		Left side				0.14		0.00	0.00	0.14
		Right side				0.11		0.00	0.00	0.11
		Top side	1.97			1.18		1.97	1.97	3.14
		Bottom side						0.00	0.00	0.00
NR n77 (Ant4)	LTE Band 2 (Ant1)	Front				0.35		0.00	0.00	0.35
		Back	1.29			0.45		1.29	1.29	1.74
		Left side	0.82			0.14		0.82	0.82	0.96
		Right side				0.11		0.00	0.00	0.11
		Top side				1.18		0.00	0.00	1.18
		Bottom side						0.00	0.00	0.00
NR n77 (Ant4)	LTE Band 5 (Ant2)	Front				0.35		0.00	0.00	0.35
		Back	1.29			0.45		1.29	1.29	1.74
		Left side	0.82			0.14		0.82	0.82	0.96
		Right side				0.11		0.00	0.00	0.11
		Top side				1.18		0.00	0.00	1.18
		Bottom side						0.00	0.00	0.00
NR n77 (Ant4)	LTE Band 13 (Ant2)	Front				0.35		0.00	0.00	0.35
		Back	1.29			0.45		1.29	1.29	1.74
		Left side	0.82			0.14		0.82	0.82	0.96
		Right side				0.11		0.00	0.00	0.11
		Top side				1.18		0.00	0.00	1.18
		Bottom side						0.00	0.00	0.00
NR n77 (Ant4)	LTE Band 66 (Ant1)	Front				0.35		0.00	0.00	0.35
		Back	1.29			0.45		1.29	1.29	1.74
		Left side	0.82			0.14		0.82	0.82	0.96
		Right side				0.11		0.00	0.00	0.11
		Top side				1.18		0.00	0.00	1.18
		Bottom side						0.00	0.00	0.00

< 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	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)			
LTE Band 2 (Ant1)	LTE Band 4 (Ant5)	Front				0.35		0.00	0.00	0.35
		Back		1.14		0.45		1.14	1.14	1.58
		Left side				0.14		0.00	0.00	0.14
		Right side				0.11		0.00	0.00	0.11
		Top side		2.40		1.18		2.40	2.40	3.58
		Bottom side						0.00	0.00	0.00
LTE Band 2 (Ant5)	LTE Band 5 (Ant2)	Front				0.35		0.00	0.00	0.35
		Back	1.42			0.45		1.42	1.42	1.87
		Left side				0.14		0.00	0.00	0.14
		Right side				0.11		0.00	0.00	0.11
		Top side	2.08			1.18		2.08	2.08	3.25
		Bottom side						0.00	0.00	0.00
LTE Band 2 (Ant5)	LTE Band 13 (Ant2)	Front				0.35		0.00	0.00	0.35
		Back	1.42			0.45		1.42	1.42	1.87
		Left side				0.14		0.00	0.00	0.14
		Right side				0.11		0.00	0.00	0.11
		Top side	2.08			1.18		2.08	2.08	3.25
		Bottom side						0.00	0.00	0.00
LTE Band 2 (Ant1)	LTE Band 66 (Ant5)	Front				0.35		0.00	0.00	0.35
		Back		1.14		0.45		1.14	1.14	1.58
		Left side				0.14		0.00	0.00	0.14
		Right side				0.11		0.00	0.00	0.11
		Top side		2.40		1.18		2.40	2.40	3.58
		Bottom side						0.00	0.00	0.00
LTE Band 4 (Ant5)	LTE Band 5 (Ant2)	Front				0.35		0.00	0.00	0.35
		Back	1.14			0.45		1.14	1.14	1.58
		Left side				0.14		0.00	0.00	0.14
		Right side				0.11		0.00	0.00	0.11
		Top side	2.40			1.18		2.40	2.40	3.58
		Bottom side						0.00	0.00	0.00
LTE Band 4 (Ant5)	LTE Band 13 (Ant2)	Front				0.35		0.00	0.00	0.35
		Back	1.14			0.45		1.14	1.14	1.58
		Left side				0.14		0.00	0.00	0.14
		Right side				0.11		0.00	0.00	0.11
		Top side	2.40			1.18		2.40	2.40	3.58
		Bottom side						0.00	0.00	0.00
LTE Band 5 (Ant2)	LTE Band 66 (Ant5)	Front				0.35		0.00	0.00	0.35
		Back		1.14		0.45		1.14	1.14	1.58
		Left side				0.14		0.00	0.00	0.14
		Right side				0.11		0.00	0.00	0.11
		Top side		2.40		1.18		2.40	2.40	3.58
		Bottom side						0.00	0.00	0.00
LTE Band 13 (Ant2)	LTE Band 66 (Ant5)	Front				0.35		0.00	0.00	0.35
		Back		1.14		0.45		1.14	1.14	1.58
		Left side				0.14		0.00	0.00	0.14
		Right side				0.11		0.00	0.00	0.11
		Top side		2.40		1.18		2.40	2.40	3.58
		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/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
GSM850	Right Cheek	0.16	0.41	0.54	0.00	0.57	0.70
	Right Tilted	0.09	0.47	0.58	0.00	0.56	0.66
	Left Cheek	0.15	0.78	0.65	0.18	0.93	0.98
	Left Tilted	0.12	0.62	0.69	0.09	0.74	0.90
GSM1900	Right Cheek	0.12	0.41	0.54	0.00	0.53	0.66
	Right Tilted	0.08	0.47	0.58	0.00	0.55	0.65
	Left Cheek	0.14	0.78	0.65	0.18	0.91	0.97
	Left Tilted	0.06	0.62	0.69	0.09	0.68	0.84
WCDMA II	Right Cheek	0.15	0.41	0.54	0.00	0.55	0.68
	Right Tilted	0.14	0.47	0.58	0.00	0.61	0.72
	Left Cheek	0.20	0.78	0.65	0.18	0.98	1.03
	Left Tilted	0.16	0.62	0.69	0.09	0.77	0.94
WCDMA V	Right Cheek	0.20	0.41	0.54	0.00	0.61	0.74
	Right Tilted	0.16	0.47	0.58	0.00	0.62	0.73
	Left Cheek	0.17	0.78	0.65	0.18	0.95	1.00
	Left Tilted	0.17	0.62	0.69	0.09	0.79	0.95
LTE Band 2 (ANT1)	Right Cheek	0.14	0.41	0.54	0.00	0.55	0.68
	Right Tilted	0.13	0.47	0.58	0.00	0.60	0.70
	Left Cheek	0.16	0.78	0.65	0.18	0.94	0.99
	Left Tilted	0.08	0.62	0.69	0.09	0.70	0.86
LTE Band 5	Right Cheek	0.17	0.41	0.54	0.00	0.58	0.71
	Right Tilted	0.10	0.47	0.58	0.00	0.57	0.68
	Left Cheek	0.19	0.78	0.65	0.18	0.97	1.02
	Left Tilted	0.14	0.62	0.69	0.09	0.76	0.92
LTE Band 12	Right Cheek	0.11	0.41	0.54	0.00	0.52	0.65
	Right Tilted	0.00	0.47	0.58	0.00	0.47	0.58
	Left Cheek	0.14	0.78	0.65	0.18	0.92	0.97
	Left Tilted	0.09	0.62	0.69	0.09	0.71	0.87
LTE Band 13	Right Cheek	0.11	0.41	0.54	0.00	0.52	0.65
	Right Tilted	0.00	0.47	0.58	0.00	0.47	0.58
	Left Cheek	0.10	0.78	0.65	0.18	0.88	0.93
	Left Tilted	0.09	0.62	0.69	0.09	0.71	0.87
LTE Band 66/4 (ANT1)	Right Cheek	0.13	0.41	0.54	0.00	0.54	0.67
	Right Tilted	0.10	0.47	0.58	0.00	0.57	0.68
	Left Cheek	0.22	0.78	0.65	0.18	1.00	1.05
	Left Tilted	0.10	0.62	0.69	0.09	0.72	0.88
NR n2 (ANT1)	Right Cheek	0.16	0.41	0.54	0.00	0.57	0.70
	Right Tilted	0.15	0.47	0.58	0.00	0.62	0.72
	Left Cheek	0.21	0.78	0.65	0.18	0.99	1.04
	Left Tilted	0.09	0.62	0.69	0.09	0.71	0.87
NR n5	Right Cheek	0.18	0.41	0.54	0.00	0.59	0.72
	Right Tilted	0.10	0.47	0.58	0.00	0.57	0.68
	Left Cheek	0.19	0.78	0.65	0.18	0.96	1.02
	Left Tilted	0.12	0.62	0.69	0.09	0.74	0.90
NR n66 (ANT1)	Right Cheek	0.16	0.41	0.54	0.00	0.57	0.70
	Right Tilted	0.11	0.47	0.58	0.00	0.58	0.69
	Left Cheek	0.23	0.78	0.65	0.18	1.01	1.06
	Left Tilted	0.11	0.62	0.69	0.09	0.72	0.89
NR n77	Right Cheek	0.70	0.41	0.54	0.00	1.11	1.24
	Right Tilted	0.36	0.47	0.58	0.00	0.82	0.93
	Left Cheek	0.22	0.78	0.65	0.18	1.00	1.05
	Left Tilted	0.19	0.62	0.69	0.09	0.81	0.97

<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	0.16	0.25	0.23	0.00	0.41	0.39
	Back	0.47	0.41	0.46	0.07	0.88	1.00
GSM1900	Front	0.29	0.25	0.23	0.00	0.53	0.52
	Back	0.79	0.41	0.46	0.07	1.20	1.32
WCDMA II	Front	0.38	0.25	0.23	0.00	0.63	0.62
	Back	0.83	0.41	0.46	0.07	1.24	1.37
WCDMA V	Front	0.20	0.25	0.23	0.00	0.45	0.43
	Back	0.38	0.41	0.46	0.07	0.79	0.92
LTE Band 2 (ANT1)	Front	0.34	0.25	0.23	0.00	0.58	0.57
	Back	0.86	0.41	0.46	0.07	1.27	1.39
LTE Band 5	Front	0.26	0.25	0.23	0.00	0.51	0.49
	Back	0.35	0.41	0.46	0.07	0.76	0.88
LTE Band 12	Front	0.16	0.25	0.23	0.00	0.41	0.40
	Back	0.25	0.41	0.46	0.07	0.66	0.78
LTE Band 13	Front	0.19	0.25	0.23	0.00	0.43	0.42
	Back	0.28	0.41	0.46	0.07	0.69	0.81
LTE Band 66/4 (ANT1)	Front	0.33	0.25	0.23	0.00	0.58	0.56
	Back	0.87	0.41	0.46	0.07	1.28	1.40
NR n2 (ANT1)	Front	0.33	0.25	0.23	0.00	0.58	0.56
	Back	0.89	0.41	0.46	0.07	1.30	1.42
NR n5	Front	0.23	0.25	0.23	0.00	0.47	0.46
	Back	0.39	0.41	0.46	0.07	0.80	0.92
NR n66 (ANT1)	Front	0.40	0.25	0.23	0.00	0.64	0.63
	Back	0.87	0.41	0.46	0.07	1.28	1.41
NR n77	Front	0.29	0.25	0.23	0.00	0.53	0.52
	Back	0.73	0.41	0.46	0.07	1.14	1.27

<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	0.16	0.25	0.26	0.00	0.41	0.42
	Back	0.47	0.41	0.54	0.07	0.88	1.07
	Left side	0.20	0.06	0.17	0.00	0.25	0.37
	Right side	0.13	0.21	0.22	0.00	0.34	0.35
	Top side	0.28	0.28	0.63	0.09	0.28	0.72
	Bottom side	0.15				0.15	0.15
GSM1900	Front	0.29	0.25	0.26	0.00	0.53	0.55
	Back	0.79	0.41	0.54	0.07	1.20	1.39
	Left side	0.00	0.06	0.17	0.00	0.06	0.17
	Right side	0.17	0.21	0.22	0.00	0.38	0.38
	Top side	0.28	0.28	0.63	0.09	0.28	0.72
	Bottom side	0.77				0.77	0.77
WCDMA II	Front	0.38	0.25	0.26	0.00	0.63	0.64
	Back	0.83	0.41	0.54	0.07	1.24	1.44
	Left side	0.04	0.06	0.17	0.00	0.09	0.21
	Right side	0.21	0.21	0.22	0.00	0.43	0.43
	Top side	0.28	0.28	0.63	0.09	0.28	0.72
	Bottom side	0.90				0.90	0.90
WCDMA V	Front	0.20	0.25	0.26	0.00	0.45	0.46
	Back	0.38	0.41	0.54	0.07	0.79	0.99
	Left side	0.17	0.06	0.17	0.00	0.23	0.34
	Right side	0.00	0.21	0.22	0.00	0.21	0.22
	Top side	0.28	0.28	0.63	0.09	0.28	0.72
	Bottom side	0.17				0.17	0.17
LTE Band 2 (ANT1)	Front	0.34	0.25	0.26	0.00	0.58	0.60
	Back	0.86	0.41	0.54	0.07	1.27	1.47
	Left side	0.00	0.06	0.17	0.00	0.06	0.17
	Right side	0.20	0.21	0.22	0.00	0.41	0.42
	Top side	0.28	0.28	0.63	0.09	0.28	0.72
	Bottom side	0.91				0.91	0.91
LTE Band 5	Front	0.26	0.25	0.26	0.00	0.51	0.52
	Back	0.35	0.41	0.54	0.07	0.76	0.96
	Left side	0.16	0.06	0.17	0.00	0.21	0.33
	Right side	0.00	0.21	0.22	0.00	0.21	0.22
	Top side	0.28	0.28	0.63	0.09	0.28	0.72
	Bottom side	0.16				0.16	0.16
LTE Band 12	Front	0.16	0.25	0.26	0.00	0.41	0.42
	Back	0.25	0.41	0.54	0.07	0.66	0.85
	Left side	0.21	0.06	0.17	0.00	0.27	0.38
	Right side	0.00	0.21	0.22	0.00	0.21	0.22
	Top side	0.28	0.28	0.63	0.09	0.28	0.72
	Bottom side	0.09				0.09	0.09
LTE Band 13	Front	0.19	0.25	0.26	0.00	0.43	0.45
	Back	0.28	0.41	0.54	0.07	0.69	0.89
	Left side	0.08	0.06	0.17	0.00	0.14	0.25
	Right side	0.00	0.21	0.22	0.00	0.21	0.22
	Top side	0.28	0.28	0.63	0.09	0.28	0.72
	Bottom side	0.10				0.10	0.10
LTE Band 66/4 (ANT1)	Front	0.33	0.25	0.26	0.00	0.58	0.59
	Back	0.87	0.41	0.54	0.07	1.28	1.47
	Left side	0.00	0.06	0.17	0.00	0.06	0.17
	Right side	0.18	0.21	0.22	0.00	0.39	0.39
	Top side	0.28	0.28	0.63	0.09	0.28	0.72
	Bottom side	0.95				0.95	0.95
NR n2 (ANT1)	Front	0.33	0.25	0.26	0.00	0.58	0.59
	Back	0.89	0.41	0.54	0.07	1.30	1.49
	Left side	0.00	0.06	0.17	0.00	0.06	0.17
	Right side	0.28	0.21	0.22	0.00	0.49	0.50
	Top side	0.28	0.28	0.63	0.09	0.28	0.72
	Bottom side	0.97				0.97	0.97
NR n5	Front	0.23	0.25	0.26	0.00	0.47	0.49
	Back	0.39	0.41	0.54	0.07	0.80	0.99
	Left side	0.22	0.06	0.17	0.00	0.28	0.39
	Right side	0.14	0.21	0.22	0.00	0.35	0.36
	Top side	0.28	0.28	0.63	0.09	0.28	0.72
	Bottom side	0.18				0.18	0.18
NR n66 (ANT1)	Front	0.40	0.25	0.26	0.00	0.64	0.66
	Back	0.87	0.41	0.54	0.07	1.28	1.48
	Left side	0.13	0.06	0.17	0.00	0.19	0.30
	Right side	0.22	0.21	0.22	0.00	0.44	0.44
	Top side	0.28	0.28	0.63	0.09	0.28	0.72
	Bottom side	0.86				0.86	0.86
NR n77	Front	0.29	0.25	0.26	0.00	0.53	0.55
	Back	0.73	0.41	0.54	0.07	1.14	1.34
	Left side	0.68	0.06	0.17	0.00	0.73	0.84
	Right side	0.13	0.21	0.22	0.00	0.34	0.35
	Top side	0.28	0.28	0.63	0.09	0.56	1.00
	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/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)		
WCDMA II (Ant1)	Front			0.35		0.00	0.35
	Back	3.10		0.45		3.10	3.55
	Left side			0.14		0.00	0.14
	Right side			0.11		0.00	0.11
	Top side			1.18		0.00	1.18
	Bottom side	2.94				2.94	2.94
LTE Band 2 (Ant1)	Front			0.35		0.00	0.35
	Back	3.18		0.45		3.18	3.63
	Left side			0.14		0.00	0.14
	Right side			0.11		0.00	0.11
	Top side			1.18		0.00	1.18
	Bottom side	2.51				2.51	2.51
LTE Band 66/4 (Ant1)	Front			0.35		0.00	0.35
	Back	3.14		0.45		3.14	3.59
	Left side			0.14		0.00	0.14
	Right side			0.11		0.00	0.11
	Top side			1.18		0.00	1.18
	Bottom side	1.94				1.94	1.94
NR n2 (Ant1)	Front			0.35		0.00	0.35
	Back	3.29		0.45		3.29	3.74
	Left side			0.14		0.00	0.14
	Right side			0.11		0.00	0.11
	Top side			1.18		0.00	1.18
	Bottom side	2.49				2.49	2.49
NR n66 (Ant1)	Front			0.35		0.00	0.35
	Back	2.97		0.45		2.97	3.42
	Left side			0.14		0.00	0.14
	Right side			0.11		0.00	0.11
	Top side			1.18		0.00	1.18
	Bottom side	2.17				2.17	2.17
NR n77	Front			0.35		0.00	0.35
	Back	2.84		0.45		2.84	3.29
	Left side	1.95		0.14		1.95	2.09
	Right side			0.11		0.00	0.11
	Top side			1.18		0.00	1.18
	Bottom side					0.00	0.00

Appendix G. Photographs of EUT and SAR Setup