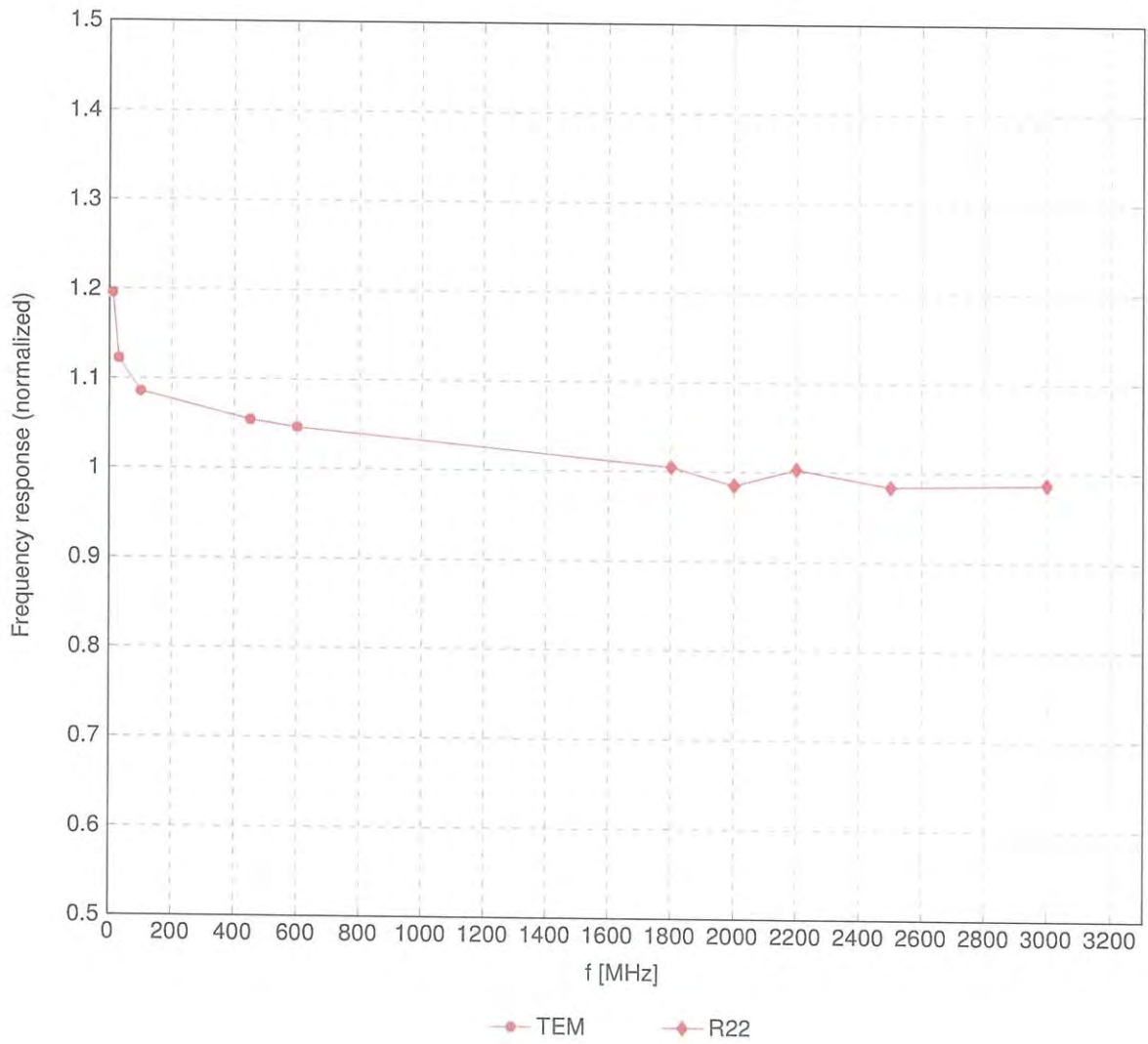


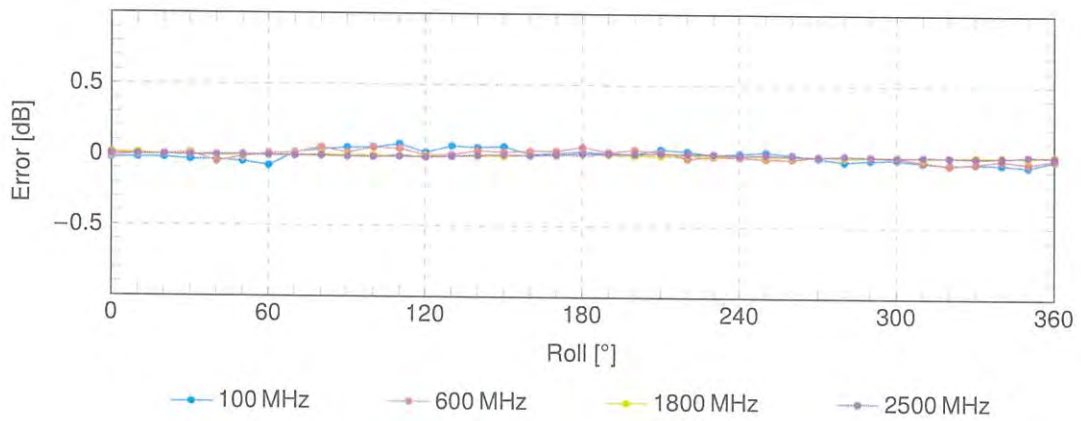
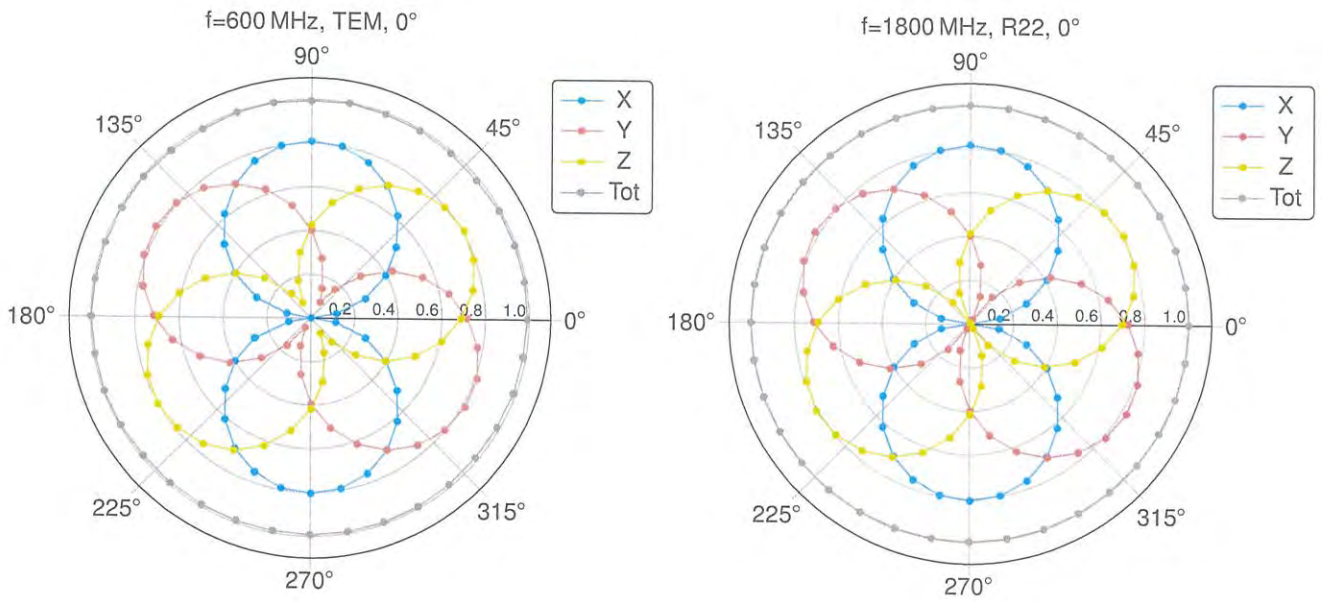
### Frequency Response of E-Field

(TEM-Cell:ifi110 EXX, Waveguide:R22)



Uncertainty of Frequency Response of E-field:  $\pm 6.3\%$  (k=2)

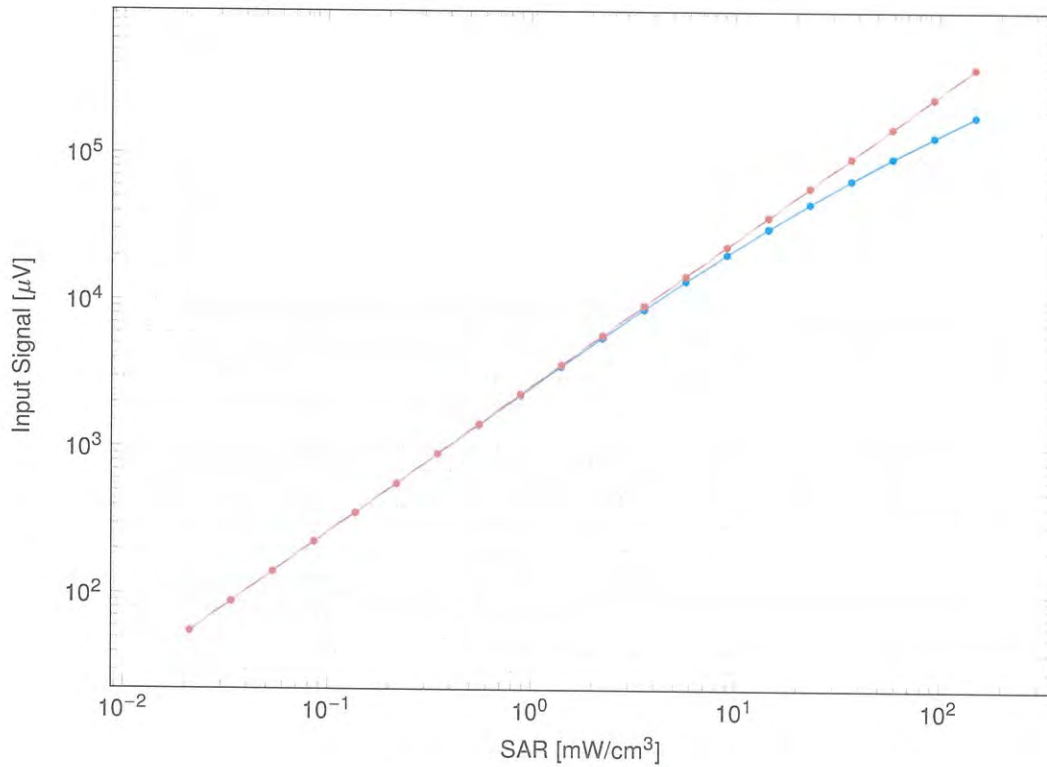
### Receiving Pattern ( $\phi$ ), $\vartheta = 0^\circ$



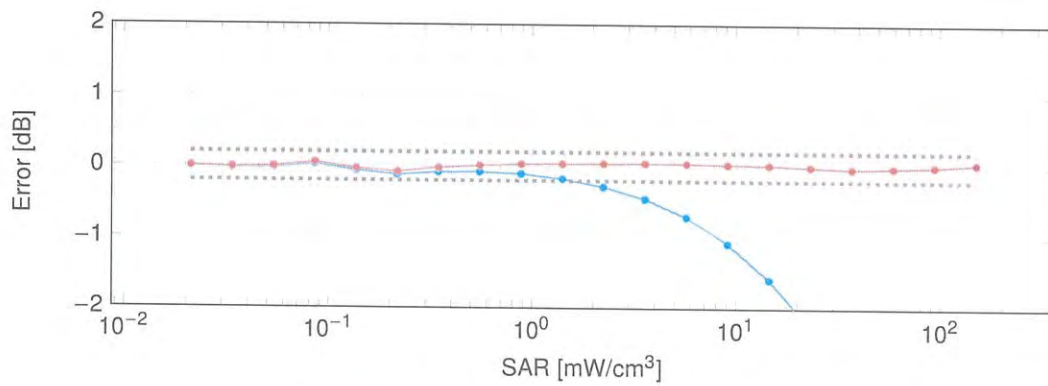
Uncertainty of Axial Isotropy Assessment:  $\pm 0.5\%$  (k=2)

### Dynamic Range $f(\text{SAR}_{\text{head}})$

(TEM cell,  $f_{\text{eval}} = 1900 \text{ MHz}$ )



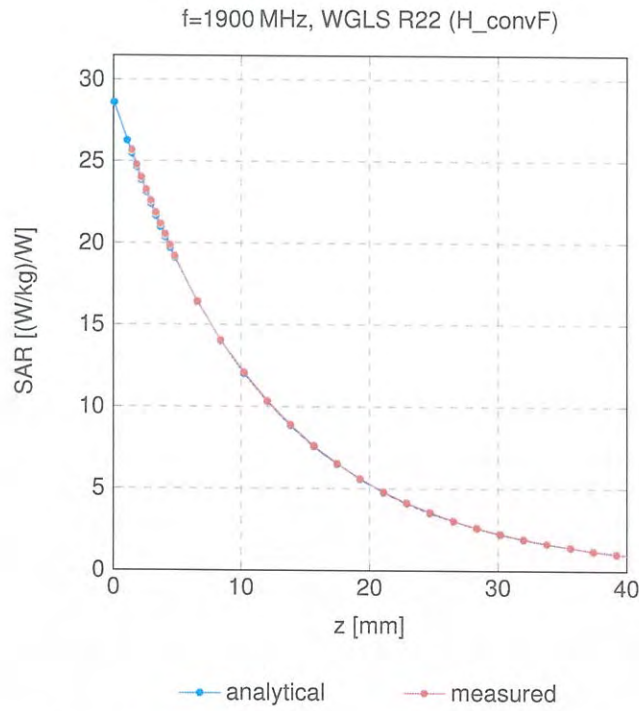
—•— not compensated      —•— compensated



—•— not compensated      —•— compensated

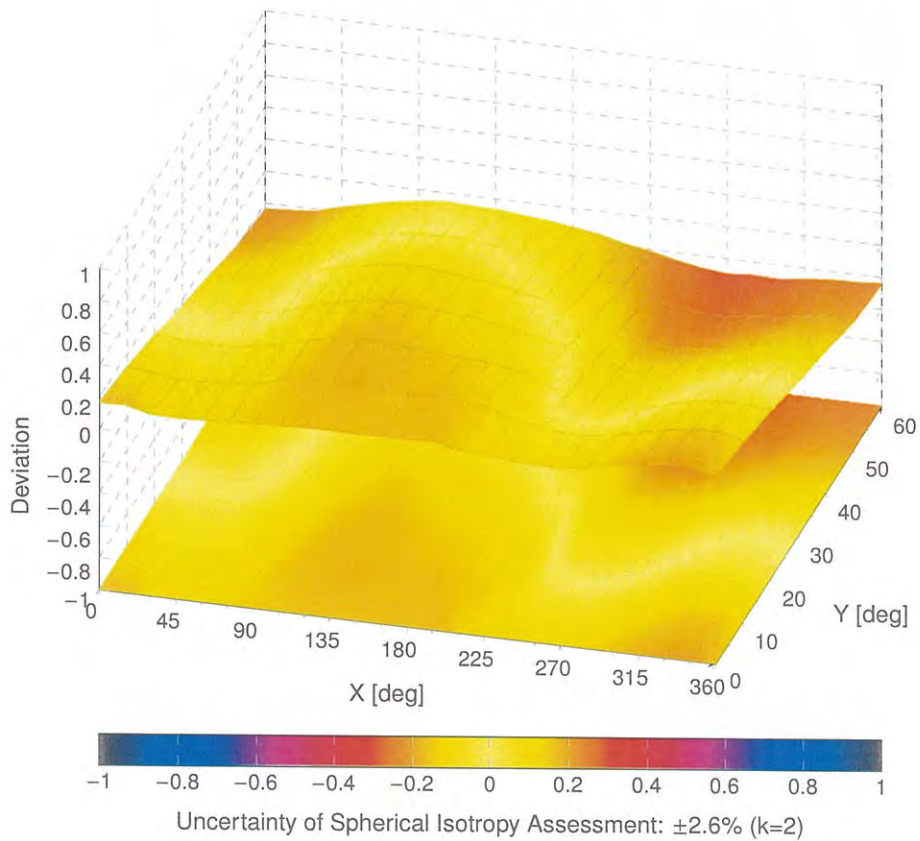
Uncertainty of Linearity Assessment:  $\pm 0.6\%$  ( $k=2$ )

### Conversion Factor Assessment



### Deviation from Isotropy in Liquid

Error ( $\phi, \theta$ ), f = 900 MHz



## Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>F</sup> k = 2
0		CW	CW	0.00	±4.7
10010	CAA	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
10098	DAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10099	CAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
10100	CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
10101	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10102	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10103	DAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6
10104	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
10105	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
10108	CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.6
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	CAG	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAG	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10116	CAG	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAG	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10142	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10143	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAC	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6
10146	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
10152	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10153	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6
10154	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	±9.6
10155	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10156	CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6
10157	CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10158	CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6
10160	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10162	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.6
10169	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6
10170	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10171	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10172	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10173	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10174	CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10175	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
10176	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10177	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6
10178	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10179	AAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6
10182	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10183	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10184	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10185	CAI	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
10186	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10189	CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10193	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
10194	AAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
10195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
10196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10197	AAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
10198	CAF	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
10219	CAF	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10220	AAF	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
10222	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
10223	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6
10224	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10225	CAD	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6
10227	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6
10228	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6
10229	DAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6
10232	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10233	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10234	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6
10235	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10236	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10237	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6
10238	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10239	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10240	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6
10242	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6
10243	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10245	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6
10246	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.6
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6
10254	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6
10255	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10257	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10258	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10260	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6
10261	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	±9.6
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.6
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
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 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
10279	CAG	PHS (QPSK, BW 884 MHz, 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, 5 ms, 10 MHz, QPSK, PUSC)	WiMAX	12.03	±9.6
10302	CAB	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3CTRL)	WiMAX	12.57	±9.6
10303	CAB	IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	12.52	±9.6
10304	CAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	11.86	±9.6
10305	CAA	IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC)	WiMAX	15.24	±9.6
10306	CAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC)	WiMAX	14.67	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>F</sup> k = 2
10307	AAB	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC)	WiMAX	14.49	±9.6
10308	AAB	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WiMAX	14.46	±9.6
10309	AAB	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3)	WiMAX	14.58	±9.6
10310	AAB	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 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 (200 Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200 Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200 Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200 Hz, 60%)	Generic	2.22	±9.6
10356	AAA	Pulse Waveform (200 Hz, 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 (20 MHz, 64-QAM, 99pc dc)	WLAN	8.37	±9.6
10401	AAA	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc dc)	WLAN	8.60	±9.6
10402	AAA	IEEE 802.11ac WiFi (80 MHz, 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, 40 MHz	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
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, 10 ms, 1 ms)	Test	10.00	±9.6
10456	AAC	IEEE 802.11ac WiFi (160 MHz, 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



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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
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 (20 MHz, MCS0, 99pc dc)	WLAN	8.36	±9.6
10526	AAF	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc dc)	WLAN	8.42	±9.6
10527	AAF	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc dc)	WLAN	8.21	±9.6
10528	AAF	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc dc)	WLAN	8.36	±9.6
10529	AAF	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc dc)	WLAN	8.36	±9.6
10531	AAF	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc dc)	WLAN	8.43	±9.6
10532	AAF	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc dc)	WLAN	8.29	±9.6
10533	AAE	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc dc)	WLAN	8.38	±9.6
10534	AAE	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc dc)	WLAN	8.45	±9.6
10535	AAE	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc dc)	WLAN	8.45	±9.6
10536	AAF	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc dc)	WLAN	8.32	±9.6
10537	AAF	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc dc)	WLAN	8.44	±9.6
10538	AAF	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc dc)	WLAN	8.54	±9.6
10540	AAA	IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc dc)	WLAN	8.39	±9.6

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10541	AAA	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc dc)	WLAN	8.46	±9.6
10542	AAA	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc dc)	WLAN	8.65	±9.6
10543	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc dc)	WLAN	8.65	±9.6
10544	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc dc)	WLAN	8.47	±9.6
10545	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc dc)	WLAN	8.55	±9.6
10546	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc dc)	WLAN	8.35	±9.6
10547	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc dc)	WLAN	8.49	±9.6
10548	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc dc)	WLAN	8.37	±9.6
10550	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc dc)	WLAN	8.38	±9.6
10551	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc dc)	WLAN	8.50	±9.6
10552	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc dc)	WLAN	8.42	±9.6
10553	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc dc)	WLAN	8.45	±9.6
10554	AAC	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc dc)	WLAN	8.48	±9.6
10555	AAC	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc dc)	WLAN	8.47	±9.6
10556	AAC	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc dc)	WLAN	8.50	±9.6
10557	AAC	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc dc)	WLAN	8.52	±9.6
10558	AAC	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc dc)	WLAN	8.61	±9.6
10560	AAC	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc dc)	WLAN	8.73	±9.6
10561	AAC	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc dc)	WLAN	8.56	±9.6
10562	AAC	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc dc)	WLAN	8.69	±9.6
10563	AAC	IEEE 802.11ac WiFi (160 MHz, 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
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, 20 MHz, MCS0, 90pc dc)	WLAN	8.63	±9.6
10592	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc dc)	WLAN	8.79	±9.6
10593	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc dc)	WLAN	8.64	±9.6
10594	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc dc)	WLAN	8.74	±9.6
10595	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc dc)	WLAN	8.74	±9.6
10596	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc dc)	WLAN	8.71	±9.6
10597	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc dc)	WLAN	8.72	±9.6
10598	AAA	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc dc)	WLAN	8.50	±9.6
10599	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc dc)	WLAN	8.79	±9.6
10600	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc dc)	WLAN	8.88	±9.6
10601	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc dc)	WLAN	8.82	±9.6
10602	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc dc)	WLAN	8.94	±9.6
10603	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc dc)	WLAN	9.03	±9.6
10604	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc dc)	WLAN	8.76	±9.6
10605	AAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc dc)	WLAN	8.97	±9.6
10606	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc dc)	WLAN	8.82	±9.6
10607	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc dc)	WLAN	8.64	±9.6
10608	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc dc)	WLAN	8.77	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10609	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc dc)	WLAN	8.57	±9.6
10610	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc dc)	WLAN	8.78	±9.6
10611	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc dc)	WLAN	8.70	±9.6
10612	AAC	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc dc)	WLAN	8.77	±9.6
10613	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc dc)	WLAN	8.94	±9.6
10614	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc dc)	WLAN	8.59	±9.6
10615	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc dc)	WLAN	8.82	±9.6
10616	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc dc)	WLAN	8.82	±9.6
10617	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc dc)	WLAN	8.81	±9.6
10618	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc dc)	WLAN	8.58	±9.6
10619	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc dc)	WLAN	8.86	±9.6
10620	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc dc)	WLAN	8.87	±9.6
10621	AAC	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc dc)	WLAN	8.77	±9.6
10622	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc dc)	WLAN	8.68	±9.6
10623	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc dc)	WLAN	8.82	±9.6
10624	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc dc)	WLAN	8.96	±9.6
10625	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc dc)	WLAN	8.96	±9.6
10626	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc dc)	WLAN	8.83	±9.6
10627	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc dc)	WLAN	8.88	±9.6
10628	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc dc)	WLAN	8.71	±9.6
10629	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc dc)	WLAN	8.85	±9.6
10630	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc dc)	WLAN	8.72	±9.6
10631	AAC	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc dc)	WLAN	8.81	±9.6
10632	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc dc)	WLAN	8.74	±9.6
10633	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc dc)	WLAN	8.83	±9.6
10634	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc dc)	WLAN	8.80	±9.6
10635	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc dc)	WLAN	8.81	±9.6
10636	AAC	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc dc)	WLAN	8.83	±9.6
10637	AAC	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc dc)	WLAN	8.79	±9.6
10638	AAC	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc dc)	WLAN	8.86	±9.6
10639	AAC	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc dc)	WLAN	8.85	±9.6
10640	AAC	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc dc)	WLAN	8.98	±9.6
10641	AAC	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc dc)	WLAN	9.06	±9.6
10642	AAC	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc dc)	WLAN	9.06	±9.6
10643	AAC	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc dc)	WLAN	8.89	±9.6
10644	AAC	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc dc)	WLAN	9.05	±9.6
10645	AAC	IEEE 802.11ac WiFi (160 MHz, 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 (200 Hz, 10%)	Test	10.00	±9.6
10659	AAC	Pulse Waveform (200 Hz, 20%)	Test	6.99	±9.6
10660	AAC	Pulse Waveform (200 Hz, 40%)	Test	3.98	±9.6
10661	AAC	Pulse Waveform (200 Hz, 60%)	Test	2.22	±9.6
10662	AAC	Pulse Waveform (200 Hz, 80%)	Test	0.97	±9.6
10670	AAC	Bluetooth Low Energy	Bluetooth	2.19	±9.6
10671	AAD	IEEE 802.11ax (20 MHz, MCS0, 90pc dc)	WLAN	9.09	±9.6
10672	AAD	IEEE 802.11ax (20 MHz, MCS1, 90pc dc)	WLAN	8.57	±9.6
10673	AAD	IEEE 802.11ax (20 MHz, MCS2, 90pc dc)	WLAN	8.78	±9.6
10674	AAD	IEEE 802.11ax (20 MHz, MCS3, 90pc dc)	WLAN	8.74	±9.6
10675	AAD	IEEE 802.11ax (20 MHz, MCS4, 90pc dc)	WLAN	8.90	±9.6
10676	AAD	IEEE 802.11ax (20 MHz, MCS5, 90pc dc)	WLAN	8.77	±9.6
10677	AAD	IEEE 802.11ax (20 MHz, MCS6, 90pc dc)	WLAN	8.73	±9.6
10678	AAD	IEEE 802.11ax (20 MHz, MCS7, 90pc dc)	WLAN	8.78	±9.6
10679	AAD	IEEE 802.11ax (20 MHz, MCS8, 90pc dc)	WLAN	8.89	±9.6
10680	AAD	IEEE 802.11ax (20 MHz, MCS9, 90pc dc)	WLAN	8.80	±9.6
10681	AAG	IEEE 802.11ax (20 MHz, MCS10, 90pc dc)	WLAN	8.62	±9.6
10682	AAF	IEEE 802.11ax (20 MHz, MCS11, 90pc dc)	WLAN	8.83	±9.6
10683	AAA	IEEE 802.11ax (20 MHz, MCS0, 99pc dc)	WLAN	8.42	±9.6
10684	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc dc)	WLAN	8.26	±9.6
10685	AAC	IEEE 802.11ax (20 MHz, MCS2, 99pc dc)	WLAN	8.33	±9.6
10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 99pc dc)	WLAN	8.28	±9.6

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10687	AAE	IEEE 802.11ax (20 MHz, MCS4, 99pc dc)	WLAN	8.45	±9.6
10688	AAE	IEEE 802.11ax (20 MHz, MCS5, 99pc dc)	WLAN	8.29	±9.6
10689	AAD	IEEE 802.11ax (20 MHz, MCS6, 99pc dc)	WLAN	8.55	±9.6
10690	AAE	IEEE 802.11ax (20 MHz, MCS7, 99pc dc)	WLAN	8.29	±9.6
10691	AAB	IEEE 802.11ax (20 MHz, MCS8, 99pc dc)	WLAN	8.25	±9.6
10692	AAA	IEEE 802.11ax (20 MHz, MCS9, 99pc dc)	WLAN	8.29	±9.6
10693	AAA	IEEE 802.11ax (20 MHz, MCS10, 99pc dc)	WLAN	8.25	±9.6
10694	AAA	IEEE 802.11ax (20 MHz, MCS11, 99pc dc)	WLAN	8.57	±9.6
10695	AAA	IEEE 802.11ax (40 MHz, MCS0, 90pc dc)	WLAN	8.78	±9.6
10696	AAA	IEEE 802.11ax (40 MHz, MCS1, 90pc dc)	WLAN	8.91	±9.6
10697	AAA	IEEE 802.11ax (40 MHz, MCS2, 90pc dc)	WLAN	8.61	±9.6
10698	AAA	IEEE 802.11ax (40 MHz, MCS3, 90pc dc)	WLAN	8.89	±9.6
10699	AAA	IEEE 802.11ax (40 MHz, MCS4, 90pc dc)	WLAN	8.82	±9.6
10700	AAA	IEEE 802.11ax (40 MHz, MCS5, 90pc dc)	WLAN	8.73	±9.6
10701	AAA	IEEE 802.11ax (40 MHz, MCS6, 90pc dc)	WLAN	8.86	±9.6
10702	AAA	IEEE 802.11ax (40 MHz, MCS7, 90pc dc)	WLAN	8.70	±9.6
10703	AAA	IEEE 802.11ax (40 MHz, MCS8, 90pc dc)	WLAN	8.82	±9.6
10704	AAA	IEEE 802.11ax (40 MHz, MCS9, 90pc dc)	WLAN	8.56	±9.6
10705	AAA	IEEE 802.11ax (40 MHz, MCS10, 90pc dc)	WLAN	8.69	±9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc dc)	WLAN	8.66	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc dc)	WLAN	8.32	±9.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc dc)	WLAN	8.55	±9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc dc)	WLAN	8.33	±9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc dc)	WLAN	8.29	±9.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc dc)	WLAN	8.39	±9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc dc)	WLAN	8.67	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc dc)	WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc dc)	WLAN	8.26	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc dc)	WLAN	8.45	±9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc dc)	WLAN	8.30	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc dc)	WLAN	8.48	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc dc)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc dc)	WLAN	8.81	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc dc)	WLAN	8.87	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc dc)	WLAN	8.76	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc dc)	WLAN	8.55	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc dc)	WLAN	8.70	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc dc)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc dc)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc dc)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc dc)	WLAN	8.66	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc dc)	WLAN	8.65	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc dc)	WLAN	8.64	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc dc)	WLAN	8.67	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc dc)	WLAN	8.42	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc dc)	WLAN	8.46	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc dc)	WLAN	8.40	±9.6
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc dc)	WLAN	8.25	±9.6
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc dc)	WLAN	8.33	±9.6
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc dc)	WLAN	8.27	±9.6
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc dc)	WLAN	8.36	±9.6
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc dc)	WLAN	8.42	±9.6
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc dc)	WLAN	8.29	±9.6
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc dc)	WLAN	8.48	±9.6
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc dc)	WLAN	8.40	±9.6
10742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc dc)	WLAN	8.43	±9.6
10743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc dc)	WLAN	8.94	±9.6
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc dc)	WLAN	9.16	±9.6
10745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc dc)	WLAN	8.93	±9.6
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc dc)	WLAN	9.11	±9.6
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc dc)	WLAN	9.04	±9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc dc)	WLAN	8.93	±9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc dc)	WLAN	8.90	±9.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc dc)	WLAN	8.79	±9.6
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc dc)	WLAN	8.82	±9.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc dc)	WLAN	8.81	±9.6

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10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc dc)	WLAN	9.00	±9.6
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc dc)	WLAN	8.94	±9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc dc)	WLAN	8.64	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc dc)	WLAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc dc)	WLAN	8.77	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc dc)	WLAN	8.69	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc dc)	WLAN	8.58	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc dc)	WLAN	8.49	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc dc)	WLAN	8.58	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc dc)	WLAN	8.49	±9.6
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc dc)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc dc)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc dc)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, 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	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10817	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±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
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

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
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
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

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
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
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	2.23	±9.6
10979	AAA	ULLA HDR4	ULLA	7.02	±9.6
10980	AAA	ULLA HDR8	ULLA	8.82	±9.6
10981	AAA	ULLA HDRp4	ULLA	1.50	±9.6
10982	AAA	ULLA HDRp8	ULLA	1.44	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k = 2$
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6

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





## Appendix D. Conducted RF Output Power Table

The detailed power table are shown as follows.

## WWAN Full Power

Band	GSM850 (Ant2)				GSM1900 (Ant1)			
Channel	128	189	251	Max. Tune-up Power	512	661	810	Max. Tune-up Power
Frequency	824.2	836.4	848.8		1850.2	1880	1909.8	
<b>GSM</b>	32.05	32.12	32.02	33.50	29.01	29.19	29.11	30.50
GPRS 1Tx Slot	32.04	32.10	31.99	33.50	29.00	29.16	29.09	30.50
GPRS 2Tx Slot	30.25	30.09	30.23	31.00	27.27	27.09	27.16	28.00
GPRS 3Tx Slot	28.73	28.64	28.65	29.50	25.56	25.54	25.50	26.50
GPRS 4Tx Slot	27.20	27.07	27.16	28.00	23.56	24.05	24.01	25.00
EDGE 1Tx Slot	25.71	26.07	25.95	26.50	25.17	25.45	25.29	26.50
EDGE 2Tx Slot	25.42	25.77	25.69	26.00	25.00	25.30	25.18	26.00
EDGE 3Tx Slot	21.71	21.69	21.70	22.50	21.14	21.40	21.36	22.50
EDGE 4Tx Slot	20.68	20.65	20.63	21.50	20.21	20.10	20.23	21.00

Source-Based Time-Averaged Power								
Band	GSM850			Max. Tune-up Power	GSM1900			Max. Tune-up Power
Channel	128	189	251		512	661	810	
<b>GSM</b>	23.05	23.12	23.02	24.50	20.01	20.19	20.11	21.50
GPRS 1Tx Slot	23.04	23.10	22.99	24.50	20.00	20.16	20.09	21.50
GPRS 2Tx Slot	24.25	24.09	24.23	25.00	21.27	21.09	21.16	22.00
GPRS 3Tx Slot	24.47	24.38	24.39	25.24	21.30	21.28	21.24	22.24
GPRS 4Tx Slot	24.20	24.07	24.16	25.00	20.56	21.05	21.01	22.00
EDGE 1Tx Slot	16.71	17.07	16.95	17.50	16.17	16.45	16.29	17.50
EDGE 2Tx Slot	19.42	19.77	19.69	20.00	19.00	19.30	19.18	20.00
EDGE 3Tx Slot	17.45	17.43	17.44	18.24	16.88	17.14	17.10	18.24
EDGE 4Tx Slot	17.68	17.65	17.63	18.50	17.21	17.10	17.23	18.00

Band	WCDMA II (Ant1)			WCDMA II	WCDMA IV (Ant1)			WCDMA IV	WCDMA V (Ant2)			WCDMA V
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182	
Rx Channel	9662	9800	9938	Max. Tune-up Power	1537	1638	1738	Max. Tune-up Power	4357	4407	4458	Max. Tune-up Power
Frequency	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
RMC 12.2K	23.35	23.38	23.26	24.00	23.24	23.26	23.33	24.00	22.78	22.76	22.75	24.00
HSDPA Subtest-1	22.31	22.33	22.21	23.00	22.22	22.25	22.29	23.00	21.76	21.68	21.73	23.00
HSDPA Subtest-2	22.27	22.37	22.21	23.00	22.20	22.23	22.27	23.00	21.73	21.68	21.74	23.00
HSDPA Subtest-3	21.81	21.83	21.75	22.50	21.68	21.71	21.82	22.50	21.24	21.21	21.20	22.50
HSDPA Subtest-4	21.79	21.86	21.71	22.50	21.73	21.74	21.78	22.50	21.20	21.25	21.20	22.50
DC-HSDPA Subtest-1	22.28	22.33	22.24	23.00	22.23	22.22	22.30	23.00	21.74	21.71	21.74	23.00
DC-HSDPA Subtest-2	22.27	22.36	22.21	23.00	22.16	22.19	22.31	23.00	21.72	21.74	21.70	23.00
DC-HSDPA Subtest-3	21.83	21.80	21.74	22.50	21.71	21.75	21.77	22.50	21.21	21.21	21.23	22.50
DC-HSDPA Subtest-4	21.77	21.82	21.68	22.50	21.70	21.71	21.81	22.50	21.20	21.24	21.20	22.50
HSUPA Subtest-1	19.79	19.83	19.79	20.50	19.68	19.74	19.80	20.50	19.26	19.18	19.23	20.50
HSUPA Subtest-2	19.77	19.81	19.80	20.50	19.72	19.68	19.82	20.50	19.20	19.20	19.17	20.50
HSUPA Subtest-3	19.79	19.78	19.80	20.50	19.66	19.72	19.78	20.50	19.22	19.24	19.19	20.50
HSUPA Subtest-4	19.71	19.75	19.77	20.50	19.71	19.70	19.81	20.50	19.21	19.21	19.23	20.50
HSUPA Subtest-5	22.27	22.35	22.20	23.00	22.23	22.21	22.25	23.00	21.42	21.39	21.40	23.00

















**UL CA**

<b>CA_7C</b>									
<b>Combination 20MHz+20MHz (100RB+100RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Tune up limit (dBm)
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	0	0	1	23.26	24.00
		16QAM	1	99	0	0	1	22.51	23.00
		64QAM	1	99	0	0	1	21.34	22.00
21100	21298	QPSK	1	99	0	0	1	23.27	24.00
		16QAM	1	99	0	0	1	22.36	23.00
		64QAM	1	99	0	0	1	21.48	22.00
21350	21152	QPSK	1	99	0	0	1	23.17	24.00
		16QAM	1	99	0	0	1	22.35	23.00
		64QAM	1	99	0	0	1	21.28	22.00

<b>CA_38C</b>									
<b>Combination 20MHz+20MHz (100RB+100RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	1	0	0	0	1	22.81	24.00
		16QAM	1	0	0	0	1	22.08	23.00
		64QAM	1	0	0	0	1	20.77	22.00
37901	38099	QPSK	1	0	0	0	1	22.66	24.00
		16QAM	1	0	0	0	1	21.82	23.00
		64QAM	1	0	0	0	1	20.53	22.00
38150	37952	QPSK	1	0	0	0	1	22.51	24.00
		16QAM	1	0	0	0	1	21.70	23.00
		64QAM	1	0	0	0	1	20.68	22.00

<b>CA_41C</b>									
<b>Combination 20MHz+20MHz (100RB+100RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	0	0	0	1	22.71	24.00
		16QAM	1	0	0	0	1	21.84	23.00
		64QAM	1	0	0	0	1	20.37	22.00
40185	40383	QPSK	1	0	0	0	1	22.54	24.00
		16QAM	1	0	0	0	1	21.74	23.00
		64QAM	1	0	0	0	1	20.23	22.00
40620	40818	QPSK	1	0	0	0	1	22.51	24.00
		16QAM	1	0	0	0	1	21.73	23.00
		64QAM	1	0	0	0	1	20.17	22.00
41055	41253	QPSK	1	0	0	0	1	22.41	24.00
		16QAM	1	0	0	0	1	21.61	23.00
		64QAM	1	0	0	0	1	20.13	22.00
41490	41292	QPSK	1	0	0	0	1	21.99	24.00
		16QAM	1	0	0	0	1	21.15	23.00
		64QAM	1	0	0	0	1	19.69	22.00

CA_42C Part27									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	0	0	0	1	22.50	24.00
		16QAM	1	0	0	0	1	21.73	23.00
		64QAM	1	0	0	0	1	20.21	22.00
42590	42392	QPSK	1	0	0	0	1	22.63	24.00
		16QAM	1	0	0	0	1	21.71	23.00
		64QAM	1	0	0	0	1	20.09	22.00
42990	42792	QPSK	1	0	0	0	1	22.51	24.00
		16QAM	1	0	0	0	1	21.69	23.00
		64QAM	1	0	0	0	1	20.14	22.00

CA_48C For SAR									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
55340	55538	QPSK	1	0	0	0	1	22.46	24.00
		16QAM	1	0	0	0	1	21.71	23.00
		64QAM	1	0	0	0	1	20.16	22.00
55830	56028	QPSK	1	0	0	0	1	22.37	24.00
		16QAM	1	0	0	0	1	21.57	23.00
		64QAM	1	0	0	0	1	20.03	22.00
56150	56348	QPSK	1	0	0	0	1	22.44	24.00
		16QAM	1	0	0	0	1	21.70	23.00
		64QAM	1	0	0	0	1	20.17	22.00
56640	56442	QPSK	1	0	0	0	1	22.26	24.00
		16QAM	1	0	0	0	1	21.52	23.00
		64QAM	1	0	0	0	1	20.01	22.00

# DL CA

Configure		CA List	PCC						SCC				Power		
			LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
			Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Intra-Band	Contiguous	CA_7C	Band 7	20M	2510	20850	QPSK	1	99	Band 7	20M	2649.8	3048	23.09	23.20
			Band 7	20M	2535	21100	QPSK	1	99	Band 7	20M	2674.8	3298	22.97	23.11
			Band 7	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	22.95	23.08









n66 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	CP-OFDM QPSK	1	1	22.04	21.94	21.93	22.5
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	CP-OFDM QPSK	1	1	22.00	21.86	21.97	22.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	CP-OFDM QPSK	1	1	21.98	21.92	21.92	22.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	CP-OFDM QPSK	1	1	21.92	21.94	21.94	22.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	CP-OFDM QPSK	1	1	21.88	21.99	21.83	22.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	CP-OFDM QPSK	1	1	22.08	22.00	21.89	22.5

n66 (SCS 15 kHz)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		346000	349000	352000		
		Frequency (MHz)		1730	1745	1760		
40M	DFT-s-OFDM P1/2 BPSK	1	1	23.36	23.25	23.30	24	
		1	108	23.34	23.26	23.35	24	
		1	214	23.42	23.35	23.32	24	
		108	0	22.77	22.70	22.75	24	
		108	54	23.41	23.32	23.39	24	
		108	108	22.96	22.85	22.90	24	
		216	0	22.20	22.82	22.91	24	
		1	1	23.47	23.35	23.45	24	
		1	108	23.43	23.41	23.43	24	
	DFT-s-OFDM QPSK	1	214	23.37	23.35	23.45	24	
		108	0	22.30	22.28	22.30	24	
		108	54	23.44	23.35	23.42	24	
		108	108	22.49	22.38	22.43	24	
		216	0	22.45	22.37	22.46	23	
		DFT-s-OFDM 16QAM	1	1	22.35	22.28	22.25	23
		DFT-s-OFDM 64QAM	1	1	21.04	20.95	21.00	21.5
		DFT-s-OFDM 256QAM	1	1	19.09	18.98	19.05	19.5
		BW	MCS Index	Channel		345000	349000	353000
Frequency (MHz)				1725	1745	1765		
30M	DFT-s-OFDM QPSK	1	1	23.42	23.37	23.42	24	
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up	
		Frequency (MHz)		1720	1745	1770		
20M	DFT-s-OFDM QPSK	1	1	23.40	23.37	23.46	24	
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up	
		Frequency (MHz)		1717.5	1745	1772.5		
15M	DFT-s-OFDM QPSK	1	1	23.37	23.32	23.29	24	
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up	
		Frequency (MHz)		1715	1745	1775		
10M	DFT-s-OFDM QPSK	1	1	23.33	23.28	23.27	24	
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up	
		Frequency (MHz)		1712.5	1745	1777.5		
5M	DFT-s-OFDM QPSK	1	1	23.41	23.31	23.33	24	

n71 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		134100	136100	138100	
		Frequency (MHz)		670.5	680.5	690.5	
15M	CP-OFDM QPSK	1	1	21.52	21.58	21.44	22.5
BW	MCS Index	Channel		133600	136100	138600	Max. Tune-up
		Frequency (MHz)		668	680.5	693	
10M	CP-OFDM QPSK	1	1	21.50	21.54	21.41	22.5
BW	MCS Index	Channel		133100	136100	139100	Max. Tune-up
		Frequency (MHz)		665.5	680.5	695.5	
5M	CP-OFDM QPSK	1	1	21.48	21.53	21.39	22.5

n71 (SCS 15 kHz)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		134100	136100	138100		
		Frequency (MHz)		670.5	680.5	690.5		
15M	DFT-s-OFDM P1/2 BPSK	1	1	23.01	23.07	22.88	24	
		1	37	22.96	22.94	22.81	24	
		1	74	22.85	22.93	22.72	24	
		36	0	22.51	22.52	22.36	24	
		36	19	22.90	22.89	22.71	24	
		36	39	22.26	22.28	22.14	24	
		75	0	22.46	22.49	22.23	24	
		1	1	23.06	23.09	22.89	24	
		1	37	23.00	22.99	22.83	24	
	DFT-s-OFDM QPSK	1	74	22.89	22.87	22.74	24	
		36	0	21.97	22.05	21.84	24	
		36	19	22.95	22.93	22.80	24	
		36	39	21.78	21.86	21.65	24	
		75	0	21.95	21.96	21.80	23	
		DFT-s-OFDM 16QAM	1	1	22.00	21.99	21.81	23
		DFT-s-OFDM 64QAM	1	1	20.62	20.64	20.50	21.5
		DFT-s-OFDM 256QAM	1	1	18.23	18.26	18.00	19.5
		BW	MCS Index	Channel		133600	136100	138600
Frequency (MHz)				668	680.5	693		
10M	DFT-s-OFDM QPSK	1	1	23.00	23.03	22.95	24	
BW	MCS Index	Channel		133100	136100	139100	Max. Tune-up	
		Frequency (MHz)		665.5	680.5	695.5		
5M	DFT-s-OFDM QPSK	1	1	23.01	22.96	22.92	24	

n77 Part27Q (SCS 30 kHz) Ant7								
BW	MCS Index	RB Size	RB Offset	Mid			Max. Tune-up (dBm)	
		Channel		633334	634000	3510		
		Frequency (MHz)		3500.01				
100M	CP-OFDM QPSK	1	1		21.79		22.5	
BW	MCS Index	Channel			632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510		
80M	CP-OFDM QPSK	1	1	21.61	21.73	21.79	22.5	
BW	MCS Index	Channel			632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99		
60M	CP-OFDM QPSK	1	1	21.62	21.71	21.68	22.5	
BW	MCS Index	Channel			631668	633334	634998	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3524.97		
50M	CP-OFDM QPSK	1	1	21.58	21.69	21.64	22.5	
BW	MCS Index	Channel			631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98		
40M	CP-OFDM QPSK	1	1	21.55	21.83	21.74	22.5	
BW	MCS Index	Channel			631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96		
30M	CP-OFDM QPSK	1	1	21.59	21.77	21.70	22.5	
BW	MCS Index	Channel			630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540		
20M	CP-OFDM QPSK	1	1	21.57	21.80	21.81	22.5	

n77 Part27Q (SCS 30 kHz) Ant7									
BW	MCS Index	RB Size	RB Offset	Mid			Max. Tune-up (dBm)		
		Channel		633334	634000	3510			
		Frequency (MHz)		3500.01					
100M	DFT-s-OFDM P1/2 BPSK	1	1		23.12		24		
		1	137		22.82		24		
		1	271		22.91		24		
		135	0		22.46		24		
		135	69		22.80		24		
		135	138		22.41		24		
		270	0		22.41		24		
		1	1		23.16		24		
	DFT-s-OFDM QPSK	1	137		22.73		24		
		1	271		22.84		24		
		135	0		22.28		24		
		135	69		22.69		24		
		135	138		22.01		24		
		270	0		21.98		23		
		DFT-s-OFDM 16QAM	1	1		22.17		23	
		DFT-s-OFDM 64QAM	1	1		21.08		21.5	
	DFT-s-OFDM 256QAM	1	1		19.06		19.5		
	BW	MCS Index	Channel			632668	633334	634000	Max. Tune-up
			Frequency (MHz)		3490.02	3500.01	3510		
	80M	DFT-s-OFDM QPSK	1	1	23.05	23.07	23.15	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	23.01	23.07	23.10	24		
BW	MCS Index	Channel			631668	633334	634998	Max. Tune-up	
		Frequency (MHz)		3475.02	3500.01	3524.97			
50M	DFT-s-OFDM QPSK	1	1	23.03	23.15	23.09	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	22.98	23.07	23.10	24		
BW	MCS Index	Channel			631002	633334	635664	Max. Tune-up	
		Frequency (MHz)		3465.03	3500.01	3534.96			
30M	DFT-s-OFDM QPSK	1	1	23.02	23.05	23.11	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	22.89	23.00	23.05	24		

n77 Part27O (SCS 30 kHz) Ant7								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		650000	656000	662000		
		Frequency (MHz)		3750	3840	3930		
100M	CP-OFDM QPSK	1	1	21.48	21.66	21.62	22.5	
BW	MCS Index	Channel			649668	656000	662328	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.92		
90M	CP-OFDM QPSK	1	1	21.44	21.62	21.50	22.5	
BW	MCS Index	Channel			649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99		
80M	CP-OFDM QPSK	1	1	21.42	21.60	21.57	22.5	
BW	MCS Index	Channel			648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98		
60M	CP-OFDM QPSK	1	1	21.46	21.57	21.53	22.5	
BW	MCS Index	Channel			648336	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.04	3840	3954.99		
50M	CP-OFDM QPSK	1	1	21.40	21.59	21.43	22.5	
BW	MCS Index	Channel			648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960		
40M	CP-OFDM QPSK	1	1	21.38	21.62	21.60	22.5	
BW	MCS Index	Channel			647670	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.05	3840	3964.98		
30M	CP-OFDM QPSK	1	1	21.46	21.59	21.53	22.5	
BW	MCS Index	Channel			647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99		
20M	CP-OFDM QPSK	1	1	21.44	21.64	21.55	22.5	

n77 Part27O (SCS 30 kHz) Ant7									
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	22.98	23.13	23.13	24		
		1	137	23.09	23.26	23.28	24		
		1	271	23.07	23.21	23.19	24		
		135	0	22.56	22.69	22.79	24		
		135	69	23.15	23.28	23.30	24		
		135	138	22.57	22.72	22.72	24		
		270	0	22.59	22.76	22.78	24		
		1	1	23.22	23.30	23.35	24		
	DFT-s-OFDM QPSK	1	137	23.19	23.27	23.34	24		
		1	271	23.14	23.28	23.26	24		
		135	0	22.09	22.27	22.24	24		
		135	69	23.16	23.24	23.29	24		
		135	138	22.10	22.25	22.25	24		
		270	0	22.10	22.27	22.29	23		
		DFT-s-OFDM 16QAM	1	1	22.03	22.17	22.15	23	
		DFT-s-OFDM 64QAM	1	1	20.74	20.87	20.97	21.5	
	DFT-s-OFDM 256QAM	1	1	18.72	18.89	18.91	19.5		
	BW	MCS Index	Channel			649668	656000	662328	Max. Tune-up
			Frequency (MHz)		3745.02	3840	3934.92		
	90M	DFT-s-OFDM QPSK	1	1	23.17	23.22	23.29	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	23.18	23.24	23.28	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	23.15	23.22	23.21	24		
BW	MCS Index	Channel			648336	656000	663666	Max. Tune-up	
		Frequency (MHz)		3725.04	3840	3954.99			
50M	DFT-s-OFDM QPSK	1	1	23.10	23.19	23.18	24		
BW	MCS Index	Channel			648000	656000	664000	Max. Tune-up	
		Frequency (MHz)		3720	3840	3960			
40M	DFT-s-OFDM QPSK	1	1	23.14	23.09	23.30	24		
BW	MCS Index	Channel			647670	656000	664332	Max. Tune-up	
		Frequency (MHz)		3715.05	3840	3964.98			
30M	DFT-s-OFDM QPSK	1	1	23.16	23.11	23.25	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	23.08	23.22	23.28	24		

n78 (SCS 30 kHz)								
BW	MCS Index	RB Size	RB Offset				Max. Tune-up (dBm)	
		Channel			Mid			
		Frequency (MHz)			3500.01			
100M	CP-OFDM QPSK	1	1		21.64		22.5	
BW	MCS Index	Channel			633000	633334	633666	Max. Tune-up
		Frequency (MHz)			3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	1	21.55	21.61	21.73	22.5	
BW	MCS Index	Channel			632668	633334	634000	Max. Tune-up
		Frequency (MHz)			3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	21.52	21.55	21.74	22.5	
BW	MCS Index	Channel			632000	633334	634666	Max. Tune-up
		Frequency (MHz)			3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	21.53	21.52	21.63	22.5	
BW	MCS Index	Channel			631668	633334	634998	Max. Tune-up
		Frequency (MHz)			3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	1	21.52	21.58	21.75	22.5	
BW	MCS Index	Channel			631334	633334	635332	Max. Tune-up
		Frequency (MHz)			3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	21.57	21.62	21.81	22.5	
BW	MCS Index	Channel			631002	633334	635664	Max. Tune-up
		Frequency (MHz)			3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	1	21.52	21.60	21.70	22.5	
BW	MCS Index	Channel			630668	633334	636000	Max. Tune-up
		Frequency (MHz)			3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	21.49	21.63	21.74	22.5	

n78 (SCS 30 kHz)								
BW	MCS Index	RB Size	RB Offset				Max. Tune-up (dBm)	
		Channel			Mid			
		Frequency (MHz)			3500.01			
100M	DFT-s-OFDM Pi/2 BPSK	1	1		23.14		24	
		1	137		22.94		24	
		1	271		22.83		24	
		135	0		22.58		24	
		135	69		22.96		24	
		135	138		22.45		24	
		270	0		22.46		24	
		1	1		23.27		24	
		1	137		23.01		24	
	DFT-s-OFDM QPSK	1	271		22.94		24	
		135	0		22.13		24	
		135	69		22.97		24	
		135	138		21.92		24	
		270	0		21.95		23	
		DFT-s-OFDM 16QAM	1	1		22.17		23
		DFT-s-OFDM 64QAM	1	1		20.91		21.5
		DFT-s-OFDM 256QAM	1	1		18.86		19.5
		BW	MCS Index	Channel			633000	633334
Frequency (MHz)				3495	3500.01	3504.99		
90M	DFT-s-OFDM QPSK	1	1	23.05	23.23	23.25	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	23.01	23.19	23.17	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	23.07	23.24	23.26	24	
BW	MCS Index	Channel			631668	633334	634998	Max. Tune-up
		Frequency (MHz)			3475.02	3500.01	3524.97	
50M	DFT-s-OFDM QPSK	1	1	23.00	23.15	23.14	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	23.03	23.09	23.17	24	
BW	MCS Index	Channel			631002	633334	635664	Max. Tune-up
		Frequency (MHz)			3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	1	23.09	23.05	23.12	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	22.99	23.13	23.09	24	

SRS Power

Table with columns: BW, MCS Index, RB Size, RB Offset, Low, Mid, High, Max. Tune-up (dBm). Rows include various bandwidths (100M, 90M, 80M, 60M, 50M, 40M, 30M, 20M) and modulation schemes (CP-OFDM, DFT-s-OFDM).

Table with columns: BW, MCS Index, RB Size, RB Offset, Low, Mid, High, Max. Tune-up (dBm). Rows include various bandwidths (100M, 90M, 80M, 60M, 50M, 40M, 30M, 20M) and modulation schemes (CP-OFDM, DFT-s-OFDM, P-V2 BPSK).

Table with columns: BW, MCS Index, RB Size, RB Offset, Low, Mid, High, Max. Tune-up (dBm). Rows include various bandwidths (100, 90M, 80M, 60M, 50M, 40M, 30M, 20M) and modulation schemes (CP-OFDM, DFT-s-OFDM).

Table with columns: BW, MCS Index, RB Size, RB Offset, Low, Mid, High, Max. Tune-up (dBm). Rows include various bandwidths (100M, 90M, 80M, 60M, 50M, 40M, 30M, 20M) and modulation schemes (CP-OFDM, DFT-s-OFDM, P-V2 BPSK).

Table with columns: BW, MCS Index, RB Size, RB Offset, Low, Mid, High, Max. Tune-up (dBm). Rows include various bandwidths (100, 90M, 80M, 60M, 50M, 40M, 30M, 20M) and modulation schemes (CP-OFDM, DFT-s-OFDM).

Table with columns: BW, MCS Index, RB Size, RB Offset, Low, Mid, High, Max. Tune-up (dBm). Rows include various bandwidths (100M, 90M, 80M, 60M, 50M, 40M, 30M, 20M) and modulation schemes (CP-OFDM, DFT-s-OFDM, P-V2 BPSK).

n77 Part27Q (SCS 30 kHz) Ant4							
BW	MCS Index	RB Size	RB Offset	Channel		Mid	Max. Tune-up (dBm)
		Frequency (MHz)		633334			
		Frequency (MHz)		3500.01			
100M	CP-OFDM QPSK	1	1			21.77	22.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	21.61	21.73	21.79	22.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	21.62	21.71	21.68	22.5
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	1	21.58	21.69	21.64	22.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	21.55	21.83	21.74	22.5
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	1	21.59	21.77	21.70	22.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	21.57	21.80	21.81	22.5

n77 Part27Q (SCS 30 kHz) Ant4								
BW	MCS Index	RB Size	RB Offset	Channel		Mid	Max. Tune-up (dBm)	
		Frequency (MHz)		633334				
		Frequency (MHz)		3500.01				
100M	DFT-s-OFDM Pi/2 BPSK	1	1			23.11	24	
		1	137			22.75	24	
		1	271			22.88	24	
		135	0			22.44	24	
		135	69			22.74	24	
		135	138			22.39	24	
		270	0			22.33	24	
		1	1			23.14	24	
		1	137			22.65	24	
	DFT-s-OFDM QPSK	1	271			22.81	24	
		135	0			22.26	24	
		135	69			22.63	24	
		135	138			22.00	24	
		270	0			21.93	23	
		DFT-s-OFDM 16QAM	1	1			22.16	23
		DFT-s-OFDM 64QAM	1	1			21.03	21.5
		DFT-s-OFDM 256QAM	1	1			18.98	19.5
		BW	MCS Index	Channel		632668	633334	634000
		Frequency (MHz)		3490.02	3500.01	3510		
80M	DFT-s-OFDM QPSK	1	1	23.04	23.06	23.17	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	23.00	23.07	23.10	24	
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up	
		Frequency (MHz)		3475.02	3500.01	3524.97		
50M	DFT-s-OFDM QPSK	1	1	23.05	23.14	23.07	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	22.99	23.05	23.13	24	
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up	
		Frequency (MHz)		3465.03	3500.01	3534.96		
30M	DFT-s-OFDM QPSK	1	1	23.01	23.04	23.10	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	22.90	23.03	23.05	24	

n77 Part27O (SCS 30 kHz) Ant4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	CP-OFDM QPSK	1	1	21.46	21.60	21.55	22.5
BW	MCS Index	Channel		649668	656000	662328	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.92	
90M	CP-OFDM QPSK	1	1	21.49	21.62	21.50	22.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	1	21.47	21.58	21.56	22.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	1	21.44	21.56	21.52	22.5
BW	MCS Index	Channel		648336	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.04	3840	3954.99	
50M	CP-OFDM QPSK	1	1	21.45	21.58	21.45	22.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	1	21.39	21.58	21.10	22.5
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.05	3840	3964.98	
30M	CP-OFDM QPSK	1	1	21.49	21.53	21.54	22.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	1	21.49	21.61	21.56	22.5

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n77 Part27O (SCS 30 kHz) Ant4								
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	22.99	23.10	23.15	24	
		1	137	23.09	23.16	23.26	24	
		1	271	23.02	23.17	23.23	24	
		135	0	22.71	22.79	22.89	24	
		135	69	23.07	23.21	23.28	24	
		135	138	22.52	22.60	22.70	24	
		270	0	22.50	22.67	22.74	24	
		1	1	23.11	23.20	23.33	24	
		1	137	23.12	23.19	23.30	24	
	DFT-s-OFDM QPSK	1	271	23.03	23.17	23.24	24	
		135	0	21.98	22.11	22.21	24	
		135	69	22.99	23.13	23.20	24	
		135	138	22.03	22.10	22.21	24	
		270	0	22.09	22.19	22.26	23	
		DFT-s-OFDM 16QAM	1	1	21.93	22.01	22.14	23
		DFT-s-OFDM 64QAM	1	1	20.77	20.87	20.94	21.5
		DFT-s-OFDM 256QAM	1	1	18.78	18.86	18.99	19.5
		BW	MCS Index	Channel		649668	656000	662328
		Frequency (MHz)		3745.02	3840	3934.92		
90M	DFT-s-OFDM QPSK	1	1	23.16	23.20	23.25	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	23.22	23.26	23.27	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	23.17	23.20	23.23	24	
BW	MCS Index	Channel		648336	656000	663666	Max. Tune-up	
		Frequency (MHz)		3725.04	3840	3954.99		
50M	DFT-s-OFDM QPSK	1	1	23.18	23.14	23.19	24	
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up	
		Frequency (MHz)		3720	3840	3960		
40M	DFT-s-OFDM QPSK	1	1	23.15	23.15	23.18	24	
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up	
		Frequency (MHz)		3715.05	3840	3964.98		
30M	DFT-s-OFDM QPSK	1	1	23.18	23.19	23.24	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	23.11	23.18	23.23	24	

n77 Part27Q (SCS 30 kHz) Ant5								
BW	MCS Index	RB Size	RB Offset	Mid			Max. Tune-up (dBm)	
				Channel	633334			
		Frequency (MHz)		3500.01				
100M	CP-OFDM QPSK	1	1		21.76		22.5	
BW	MCS Index	Channel			632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510		
80M	CP-OFDM QPSK	1	1	21.65	21.72	21.75	22.5	
BW	MCS Index	Channel			632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99		
60M	CP-OFDM QPSK	1	1	21.65	21.70	21.65	22.5	
BW	MCS Index	Channel			631668	633334	634998	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3524.97		
50M	CP-OFDM QPSK	1	1	21.55	21.67	21.65	22.5	
BW	MCS Index	Channel			631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98		
40M	CP-OFDM QPSK	1	1	21.59	21.81	21.73	22.5	
BW	MCS Index	Channel			631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96		
30M	CP-OFDM QPSK	1	1	21.66	21.71	21.73	22.5	
BW	MCS Index	Channel			630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540		
20M	CP-OFDM QPSK	1	1	21.63	21.76	21.77	22.5	

n77 Part27Q (SCS 30 kHz) Ant5										
BW	MCS Index	RB Size	RB Offset	Mid			Max. Tune-up (dBm)			
				Channel	633334					
		Frequency (MHz)		3500.01						
100M	DFT-s-OFDM P/2 BPSK	1	1		23.05		24			
		1	137		22.69		24			
		1	271		22.86		24			
		135	0		22.39		24			
		135	69		22.72		24			
		135	138		22.38		24			
		270	0		22.28		24			
		1	1		23.13		24			
		1	137		22.60		24			
		1	271		22.79		24			
	DFT-s-OFDM QPSK	135	0		22.21		24			
		135	69		22.61		24			
		135	138		21.99		24			
		270	0		21.89		23			
		DFT-s-OFDM 16QAM	1	1		22.14		23		
		DFT-s-OFDM 64QAM	1	1		20.98		21.5		
		DFT-s-OFDM 256QAM	1	1		18.96		19.5		
		BW	MCS Index	Channel			632668	633334	634000	Max. Tune-up
				Frequency (MHz)		3490.02	3500.01	3510		
		80M	DFT-s-OFDM QPSK	1	1	23.03	23.09	23.12	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	23.02	23.10	23.13	24			
BW	MCS Index	Channel			631668	633334	634998	Max. Tune-up		
		Frequency (MHz)		3475.02	3500.01	3524.97				
50M	DFT-s-OFDM QPSK	1	1	23.03	23.17	23.12	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	23.00	23.09	23.09	24			
BW	MCS Index	Channel			631002	633334	635664	Max. Tune-up		
		Frequency (MHz)		3465.03	3500.01	3534.96				
30M	DFT-s-OFDM QPSK	1	1	23.03	23.01	23.09	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	22.98	23.05	23.07	24			

n77 Part27O (SCS 30 kHz) Ant5								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
				650000	656000	662000		
		Frequency (MHz)		3930				
100M	CP-OFDM QPSK	1	1	21.45	21.58	21.59	22.5	
BW	MCS Index	Channel			649668	656000	662328	Max. Tune-up
		Frequency (MHz)		3745.02	3840	3934.92		
90M	CP-OFDM QPSK	1	1	21.42	21.60	21.53	22.5	
BW	MCS Index	Channel			649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99		
80M	CP-OFDM QPSK	1	1	21.48	21.54	21.53	22.5	
BW	MCS Index	Channel			648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98		
60M	CP-OFDM QPSK	1	1	21.48	21.53	21.56	22.5	
BW	MCS Index	Channel			648336	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.04	3840	3954.99		
50M	CP-OFDM QPSK	1	1	21.46	21.51	21.47	22.5	
BW	MCS Index	Channel			648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960		
40M	CP-OFDM QPSK	1	1	21.41	21.51	21.30	22.5	
BW	MCS Index	Channel			647670	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.05	3840	3964.98		
30M	CP-OFDM QPSK	1	1	21.44	21.52	21.33	22.5	
BW	MCS Index	Channel			647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99		
20M	CP-OFDM QPSK	1	1	21.44	21.54	21.50	22.5	

n77 Part27O (SCS 30 kHz) Ant5										
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)			
				650000	656000	662000				
		Frequency (MHz)		3930						
100M	DFT-s-OFDM P/2 BPSK	1	1	22.95	23.04	23.13	24			
		1	137	23.05	23.14	23.28	24			
		1	271	23.05	23.12	23.25	24			
		135	0	22.62	22.64	22.81	24			
		135	69	22.99	23.09	23.22	24			
		135	138	22.50	22.58	22.73	24			
		270	0	22.51	22.54	22.70	24			
		1	1	23.08	23.14	23.31	24			
		1	137	23.05	23.08	23.25	24			
		1	271	22.98	23.08	23.21	24			
	DFT-s-OFDM QPSK	135	0	22.09	22.12	22.29	24			
		135	69	22.99	23.12	23.25	24			
		135	138	22.01	22.10	22.25	24			
		270	0	22.00	22.10	22.20	23			
		DFT-s-OFDM 16QAM	1	1	21.92	22.01	22.15	23		
		DFT-s-OFDM 64QAM	1	1	20.74	20.80	20.94	21.5		
		DFT-s-OFDM 256QAM	1	1	18.72	18.78	18.92	19.5		
		BW	MCS Index	Channel			649668	656000	662328	Max. Tune-up
				Frequency (MHz)		3745.02	3840	3934.92		
		90M	DFT-s-OFDM QPSK	1	1	23.16	23.30	23.21	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	23.20	23.22	23.26	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	23.18	23.21	23.20	24			
BW	MCS Index	Channel			648336	656000	663666	Max. Tune-up		
		Frequency (MHz)		3725.04	3840	3954.99				
50M	DFT-s-OFDM QPSK	1	1	23.14	23.16	23.12	24			
BW	MCS Index	Channel			648000	656000	664000	Max. Tune-up		
		Frequency (MHz)		3720	3840	3960				
40M	DFT-s-OFDM QPSK	1	1	23.11	23.16	23.15	24			
BW	MCS Index	Channel			647670	656000	664332	Max. Tune-up		
		Frequency (MHz)		3715.05	3840	3964.98				
30M	DFT-s-OFDM QPSK	1	1	23.19	23.22	23.27	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	23.21	23.26	23.25	24			

n77 Part27Q (SCS 30 kHz) Ant6								
BW	MCS Index	RB Size	RB Offset	Channel		Mid	Max. Tune-up (dBm)	
		Frequency (MHz)			3500.01			
		1	1			21.78		
100M	CP-OFDM QPSK	1	1			21.78	22.5	
BW	MCS Index	Channel	632668 633334 634000				Max. Tune-up	
		Frequency (MHz)			3490.02	3500.01		3510
		80M	CP-OFDM QPSK	1	1	21.61		21.76
BW	MCS Index	Channel	632000 633334 634666				Max. Tune-up	
		Frequency (MHz)			3480	3500.01		3519.99
		60M	CP-OFDM QPSK	1	1	21.61		21.69
BW	MCS Index	Channel	631668 633334 634998				Max. Tune-up	
		Frequency (MHz)			3475.02	3500.01		3524.97
		50M	CP-OFDM QPSK	1	1	21.59		21.68
BW	MCS Index	Channel	631334 633334 635332				Max. Tune-up	
		Frequency (MHz)			3470.01	3500.01		3529.98
		40M	CP-OFDM QPSK	1	1	21.54		21.77
BW	MCS Index	Channel	631002 633334 635664				Max. Tune-up	
		Frequency (MHz)			3465.03	3500.01		3534.96
		30M	CP-OFDM QPSK	1	1	21.68		21.66
BW	MCS Index	Channel	630668 633334 636000				Max. Tune-up	
		Frequency (MHz)			3460.02	3500.01		3540
		20M	CP-OFDM QPSK	1	1	21.60		21.75

n77 Part27Q (SCS 30 kHz) Ant6									
BW	MCS Index	RB Size	RB Offset	Channel		Mid	Max. Tune-up (dBm)		
		Frequency (MHz)			3500.01				
		1	1			23.02			
100M	DFT-s-OFDM P/2 BPSK	1	1			23.02	24		
		1	137			22.67	24		
		1	271			22.80	24		
		135	0			22.38	24		
		135	69			22.65	24		
		135	138			22.35	24		
		270	0			22.26	24		
	DFT-s-OFDM QPSK	1	1			23.07	24		
		1	137			22.58	24		
		1	271			22.71	24		
		135	0			22.19	24		
		135	69			22.53	24		
		135	138			21.96	24		
		270	0			21.87	23		
	DFT-s-OFDM 16QAM	1	1			22.08	23		
	DFT-s-OFDM 64QAM	1	1			20.97	21.5		
	DFT-s-OFDM 256QAM	1	1			18.91	19.5		
	BW	MCS Index	Channel	632668 633334 634000				Max. Tune-up	
			Frequency (MHz)			3490.02	3500.01		3510
			80M	DFT-s-OFDM QPSK	1	1	23.01		23.02
	BW	MCS Index	Channel	632000 633334 634666				Max. Tune-up	
Frequency (MHz)			3480	3500.01	3519.99				
60M			DFT-s-OFDM QPSK	1	1	23.05	23.09		23.15
BW	MCS Index	Channel	631668 633334 634998				Max. Tune-up		
		Frequency (MHz)			3475.02	3500.01		3524.97	
		50M	DFT-s-OFDM QPSK	1	1	23.01		23.11	23.13
BW	MCS Index	Channel	631334 633334 635332				Max. Tune-up		
		Frequency (MHz)			3470.01	3500.01		3529.98	
		40M	DFT-s-OFDM QPSK	1	1	23.05		23.10	23.01
BW	MCS Index	Channel	631002 633334 635664				Max. Tune-up		
		Frequency (MHz)			3465.03	3500.01		3534.96	
		30M	DFT-s-OFDM QPSK	1	1	23.01		23.06	23.05
BW	MCS Index	Channel	630668 633334 636000				Max. Tune-up		
		Frequency (MHz)			3460.02	3500.01		3540	
		20M	DFT-s-OFDM QPSK	1	1	22.95		23.01	23.03

n77 Part27O (SCS 30 kHz) Ant6								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel			650000	656000		662000
		Frequency (MHz)			3750	3840		3930
100M	CP-OFDM QPSK	1	1	21.42	21.51	21.53	22.5	
BW	MCS Index	Channel	649668 656000 662328				Max. Tune-up	
		Frequency (MHz)			3745.02	3840		3934.92
		90M	CP-OFDM QPSK	1	1	21.48		21.62
BW	MCS Index	Channel	649334 656000 662666				Max. Tune-up	
		Frequency (MHz)			3740.01	3840		3939.99
		80M	CP-OFDM QPSK	1	1	21.44		21.53
BW	MCS Index	Channel	648668 656000 663332				Max. Tune-up	
		Frequency (MHz)			3730.02	3840		3949.98
		60M	CP-OFDM QPSK	1	1	21.49		21.51
BW	MCS Index	Channel	648336 656000 663666				Max. Tune-up	
		Frequency (MHz)			3725.04	3840		3954.99
		50M	CP-OFDM QPSK	1	1	21.44		21.52
BW	MCS Index	Channel	648000 656000 664000				Max. Tune-up	
		Frequency (MHz)			3720	3840		3960
		40M	CP-OFDM QPSK	1	1	21.46		21.50
BW	MCS Index	Channel	647670 656000 664332				Max. Tune-up	
		Frequency (MHz)			3715.05	3840		3964.98
		30M	CP-OFDM QPSK	1	1	21.45		21.51
BW	MCS Index	Channel	647334 656000 664666				Max. Tune-up	
		Frequency (MHz)			3710.01	3840		3969.99
		20M	CP-OFDM QPSK	1	1	21.42		21.48

n77 Part27O (SCS 30 kHz) Ant6									
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	22.96	23.01	23.11	24		
		1	137	23.06	23.10	23.25	24		
		1	271	23.04	23.03	23.21	24		
		135	0	22.49	22.56	22.72	24		
		135	69	23.08	23.17	23.29	24		
		135	138	22.56	22.63	22.78	24		
		270	0	22.74	22.78	22.90	24		
	DFT-s-OFDM QPSK	1	1	23.15	23.23	23.34	24		
		1	137	23.02	23.07	23.22	24		
		1	271	23.11	23.12	23.27	24		
		135	0	22.02	22.11	22.22	24		
		135	69	23.16	23.18	23.33	24		
		135	138	22.01	22.09	22.21	24		
		270	0	22.73	22.75	22.90	23		
	DFT-s-OFDM 16QAM	1	1	22.02	22.13	22.25	23		
	DFT-s-OFDM 64QAM	1	1	20.78	20.81	20.99	21.5		
	DFT-s-OFDM 256QAM	1	1	18.78	18.79	18.95	19.5		
	BW	MCS Index	Channel	649668 656000 662328				Max. Tune-up	
			Frequency (MHz)			3745.02	3840		3934.92
			90M	DFT-s-OFDM QPSK	1	1	23.17		23.25
	BW	MCS Index	Channel	649334 656000 662666				Max. Tune-up	
Frequency (MHz)			3740.01	3840	3939.99				
80M			DFT-s-OFDM QPSK	1	1	23.19	23.23		23.26
BW	MCS Index	Channel	648668 656000 663332				Max. Tune-up		
		Frequency (MHz)			3730.02	3840		3949.98	
		60M	DFT-s-OFDM QPSK	1	1	23.15		23.23	23.20
BW	MCS Index	Channel	648336 656000 663666				Max. Tune-up		
		Frequency (MHz)			3725.04	3840		3954.99	
		50M	DFT-s-OFDM QPSK	1	1	23.16		23.11	23.15
BW	MCS Index	Channel	648000 656000 664000				Max. Tune-up		
		Frequency (MHz)			3720	3840		3960	
		40M	DFT-s-OFDM QPSK	1	1	23.14		23.19	23.22
BW	MCS Index	Channel	647670 656000 664332				Max. Tune-up		
		Frequency (MHz)			3715.05	3840		3964.98	
		30M	DFT-s-OFDM QPSK	1	1	23.20		23.21	23.27
BW	MCS Index	Channel	647334 656000 664666				Max. Tune-up		
		Frequency (MHz)			3710.01	3840		3969.99	
		20M	DFT-s-OFDM QPSK	1	1	23.28		23.21	23.24

n78 Part27Q (SCS 30 kHz) Ant4							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
			Channel		633334		
			Frequency (MHz)		3500.01		
100M	CP-OFDM QPSK	1	1		21.62		22.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	1	21.56	21.60	21.74	22.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	21.55	21.56	21.72	22.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	21.51	21.50	21.60	22.5
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	1	21.54	21.59	21.74	22.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	21.51	21.61	21.77	22.5
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	1	21.59	21.65	21.50	22.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	21.55	21.67	21.73	22.5

n78 Part27Q (SCS 30 kHz) Ant4								
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		23.06		24	
		1	137		22.89		24	
		1	271		22.82		24	
		135	0		22.53		24	
		135	69		22.94		24	
		135	138		22.40		24	
		270	0		22.44		24	
		1	1		23.24		24	
		1	137		22.95		24	
	1	271		22.92		24		
	DFT-s-OFDM QPSK	135	0		22.08		24	
		135	69		22.90		24	
		135	138		21.87		24	
		270	0		21.93		23	
		DFT-s-OFDM 16QAM	1	1		22.16		23
		DFT-s-OFDM 64QAM	1	1		20.86		21.5
		DFT-s-OFDM 256QAM	1	1		18.85		19.5
		BW	MCS Index	Channel		633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99		
90M	DFT-s-OFDM QPSK	1	1	23.09	23.21	23.23	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	23.02	23.07	23.15	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	23.08	23.21	23.22	24	
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up	
		Frequency (MHz)		3475.02	3500.01	3524.97		
50M	DFT-s-OFDM QPSK	1	1	23.05	23.16	23.11	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	23.06	23.10	23.15	24	
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up	
		Frequency (MHz)		3465.03	3500.01	3534.96		
30M	DFT-s-OFDM QPSK	1	1	23.10	23.07	23.10	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	23.02	23.19	23.05	24	

n78 Part27Q (SCS 30 kHz) Ant5							
BW	MCS Index	RB Size	RB Offset		Mid		Max. Tune-up (dBm)
			Channel		633334		
			Frequency (MHz)		3500.01		
100M	CP-OFDM QPSK	1	1		21.60		22.5
BW	MCS Index	Channel		633000	633334	633666	Max. Tune-up
		Frequency (MHz)		3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	1	21.59	21.57	21.71	22.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	21.65	21.59	21.70	22.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	21.58	21.60	21.63	22.5
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	1	21.58	21.66	21.71	22.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	21.58	21.64	21.72	22.5
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	1	21.58	21.61	21.50	22.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	21.57	21.64	21.79	22.5

n78 Part27Q (SCS 30 kHz) Ant5								
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		23.03		24	
		1	137		22.87		24	
		1	271		22.76		24	
		135	0		22.52		24	
		135	69		22.87		24	
		135	138		22.37		24	
		270	0		22.42		24	
		1	1		23.20		24	
		1	137		22.93		24	
	1	271		22.84		24		
	DFT-s-OFDM QPSK	135	0		22.06		24	
		135	69		22.82		24	
		135	138		21.84		24	
		270	0		21.91		23	
		DFT-s-OFDM 16QAM	1	1		22.10		23
		DFT-s-OFDM 64QAM	1	1		20.85		21.5
		DFT-s-OFDM 256QAM	1	1		18.80		19.5
		BW	MCS Index	Channel		633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99		
90M	DFT-s-OFDM QPSK	1	1	23.10	23.23	23.18	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	23.12	23.06	23.14	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	23.18	23.15	23.20	24	
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up	
		Frequency (MHz)		3475.02	3500.01	3524.97		
50M	DFT-s-OFDM QPSK	1	1	23.09	23.08	23.16	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	23.18	23.13	23.11	24	
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up	
		Frequency (MHz)		3465.03	3500.01	3534.96		
30M	DFT-s-OFDM QPSK	1	1	23.10	23.05	23.14	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	23.08	23.14	23.16	24	



n78 Part27Q (SCS 30 kHz) Ant6								
BW	MCS Index	RB Size	RB Offset	Channel			Max. Tune-up (dBm)	
				Channel	Mid			
				3500.01				
100M	CP-OFDM QPSK	1	1		21.10		22.5	
BW	MCS Index	Channel			633000	633334	633666	Max. Tune-up
		Frequency (MHz)			3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	1	21.51	21.52	21.69	22.5	
BW	MCS Index	Channel			632668	633334	634000	Max. Tune-up
		Frequency (MHz)			3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	21.60	21.51	21.71	22.5	
BW	MCS Index	Channel			632000	633334	634666	Max. Tune-up
		Frequency (MHz)			3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	21.52	21.53	21.50	22.5	
BW	MCS Index	Channel			631668	633334	634998	Max. Tune-up
		Frequency (MHz)			3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	1	21.51	21.64	21.66	22.5	
BW	MCS Index	Channel			631334	633334	635332	Max. Tune-up
		Frequency (MHz)			3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	21.52	21.57	21.63	22.5	
BW	MCS Index	Channel			631002	633334	635664	Max. Tune-up
		Frequency (MHz)			3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	1	21.55	21.61	21.63	22.5	
BW	MCS Index	Channel			630668	633334	636000	Max. Tune-up
		Frequency (MHz)			3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	21.54	21.60	21.62	22.5	

n78 Part27Q (SCS 30 kHz) Ant6								
BW	MCS Index	RB Size	RB Offset	Channel			Max. Tune-up (dBm)	
				Channel	Mid			
				3500.01				
100M	DFT-s-OFDM Pi/2 BPSK	1	1		23.06		24	
		1	137		22.89		24	
		1	271		22.77		24	
		135	0		22.59		24	
		135	69		22.88		24	
		135	138		22.40		24	
		270	0		22.44		24	
		1	1		23.21		24	
	DFT-s-OFDM QPSK	1	137		22.94		24	
		1	271		22.89		24	
		135	0		22.07		24	
		135	69		22.87		24	
		135	138		21.87		24	
		270	0		21.93		23	
		DFT-s-OFDM 16QAM	1	1		22.11		23
		DFT-s-OFDM 64QAM	1	1		20.92		21.5
DFT-s-OFDM 256QAM	1	1		18.88		19.5		
BW	MCS Index	Channel			633000	633334	633666	Max. Tune-up
		Frequency (MHz)			3495	3500.01	3504.99	
90M	DFT-s-OFDM QPSK	1	1	23.08	23.21	23.15	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	23.11	23.02	23.12	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	23.15	23.11	23.18	24	
BW	MCS Index	Channel			631668	633334	634998	Max. Tune-up
		Frequency (MHz)			3475.02	3500.01	3524.97	
50M	DFT-s-OFDM QPSK	1	1	23.12	23.14	23.16	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	23.20	23.15	23.17	24	
BW	MCS Index	Channel			631002	633334	635664	Max. Tune-up
		Frequency (MHz)			3465.03	3500.01	3534.96	
30M	DFT-s-OFDM QPSK	1	1	23.12	23.09	23.12	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	23.12	23.16	23.18	24	

**WLAN Full Power**

2.4GHz WLAN		Ant 8			
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11b 1Mbps	1	2412	15.10	15.50
		6	2437	14.65	15.50
		11	2462	14.74	15.50
	802.11g 6Mbps	1	2412	12.83	14.00
		6	2437	12.98	14.00
		11	2462	12.95	14.00
	802.11n-HT20 MCS0	1	2412	10.82	12.00
		6	2437	10.78	12.00
		11	2462	10.73	12.00
802.11n-HT40 MCS0	3	2422	10.69	12.00	
	6	2437	10.85	12.00	
	9	2452	10.69	12.00	
802.11ax-HE20 MCS0	1	2412	9.22	10.50	
	6	2437	8.92	10.50	
	11	2462	9.50	10.50	
802.11ax-HE40 MCS0	3	2422	9.11	10.50	
	6	2437	8.91	10.50	
	9	2452	8.94	10.50	

2.4GHz WLAN		Ant 9			
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11b 1Mbps	1	2412	15.07	15.50
		6	2437	15.00	15.50
		11	2462	15.08	15.50
	802.11g 6Mbps	1	2412	13.28	14.00
		6	2437	13.32	14.00
		11	2462	13.27	14.00
	802.11n-HT20 MCS0	1	2412	11.20	12.00
		6	2437	11.14	12.00
		11	2462	11.21	12.00
802.11n-HT40 MCS0	3	2422	11.33	12.00	
	6	2437	11.42	12.00	
	9	2452	11.39	12.00	
802.11ax-HE20 MCS0	1	2412	9.24	10.50	
	6	2437	9.29	10.50	
	11	2462	9.18	10.50	
802.11ax-HE40 MCS0	3	2422	8.91	10.50	
	6	2437	8.92	10.50	
	9	2452	8.94	10.50	

2.4GHz WLAN		Ant 8+9			
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11b 1Mbps	1	2412	18.30	19.00
		6	2437	18.04	19.00
		11	2462	18.13	19.00
	802.11g 6Mbps	1	2412	16.32	17.00
		6	2437	16.41	17.00
		11	2462	16.37	17.00
	802.11n-HT20 MCS0	1	2412	14.26	15.00
		6	2437	14.21	15.00
		11	2462	14.22	15.00
802.11n-HT40 MCS0	3	2422	14.28	15.00	
	6	2437	14.40	15.00	
	9	2452	14.31	15.00	
802.11ax-HE20 MCS0	1	2412	12.55	13.00	
	6	2437	12.42	13.00	
	11	2462	12.43	13.00	
802.11ax-HE40 MCS0	3	2422	12.33	13.00	
	6	2437	12.23	13.00	
	9	2452	12.26	13.00	

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			GFSK	DQPSK	8DPSK
BR / EDR	CH 00	2402	5.69	2.90	2.84
	CH 39	2441	6.16	3.47	3.40
	CH 78	2480	5.28	2.56	2.53
Tune-up Limit			7	4	4

Mode	Channel	Frequency (MHz)	Average power (dBm)			
			1Mbps	2Mbps	S2	S8
LE	CH 00	2402	8.71	8.90	8.49	8.49
	CH 19	2440	9.12	9.28	9.05	9.35
Tune-up Limit			10	10	10	10

5.2GHz WLAN		Ant 8			
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11a 6Mbps	36	5180	13.70	14.00
		40	5200	13.80	14.00
		44	5220	13.65	14.00
		48	5240	13.56	14.00
	802.11n-HT20 MCS0	36	5180	11.35	12.00
		40	5200	11.46	12.00
		44	5220	11.33	12.00
		48	5240	11.30	12.00
	802.11n-HT40 MCS0	38	5190	11.54	12.00
		46	5230	11.66	12.00
	802.11ac-VHT20 MCS0	36	5180	10.24	11.00
		40	5200	10.29	11.00
		44	5220	10.20	11.00
		48	5240	10.16	11.00
	802.11ac-VHT40 MCS0	38	5190	10.38	11.00
		46	5230	10.34	11.00
	802.11ac-VHT80 MCS0	42	5210	9.13	10.00
		36	5180	9.43	10.00
	802.11ax-HE20 MCS0	40	5200	9.34	10.00
44		5220	9.08	10.00	
48		5240	9.02	10.00	
802.11ax-HE40 MCS0	38	5190	9.40	10.00	
	46	5230	8.82	10.00	
802.11ax-HE80 MCS0	42	5210	9.02	10.00	

5.2GHz WLAN		Ant 9			
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11a 6Mbps	36	5180	12.85	13.00
		40	5200	12.94	13.00
		44	5220	12.63	13.00
		48	5240	12.49	13.00
	802.11n-HT20 MCS0	36	5180	10.75	11.00
		40	5200	10.79	11.00
		44	5220	10.33	11.00
		48	5240	9.94	11.00
	802.11n-HT40 MCS0	38	5190	10.94	11.00
		46	5230	10.09	11.00
	802.11ac-VHT20 MCS0	36	5180	9.29	10.00
		40	5200	9.42	10.00
		44	5220	9.11	10.00
		48	5240	8.98	10.00
	802.11ac-VHT40 MCS0	38	5190	9.52	10.00
		46	5230	9.37	10.00
	802.11ac-VHT80 MCS0	42	5210	8.61	9.50
		40	5200	8.39	9.50
	802.11ax-HE20 MCS0	44	5220	8.16	9.50
48		5240	7.99	9.50	
38		5190	8.23	9.50	
802.11ax-HE40 MCS0	46	5230	8.20	9.50	
	42	5210	8.38	9.50	

5.2GHz WLAN		Ant 8+9			
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11a 6Mbps	36	5180	16.38	16.50
		40	5200	16.47	16.50
		44	5220	16.32	16.50
		48	5240	16.14	16.50
	802.11n-HT20 MCS0	36	5180	14.24	15.00
		40	5200	14.32	15.00
		44	5220	14.02	15.00
		48	5240	13.86	15.00
	802.11n-HT40 MCS0	38	5190	14.46	15.00
		46	5230	14.16	15.00
	802.11ac-VHT20 MCS0	36	5180	12.97	14.00
		40	5200	13.05	14.00
		44	5220	12.85	14.00
		48	5240	12.79	14.00
	802.11ac-VHT40 MCS0	38	5190	13.18	14.00
		46	5230	13.09	14.00
	802.11ac-VHT80 MCS0	42	5210	12.08	13.00
		36	5180	12.10	13.00
	802.11ax-HE20 MCS0	40	5200	12.10	13.00
44		5220	12.00	13.00	
48		5240	11.75	13.00	
802.11ax-HE40 MCS0	38	5190	12.11	13.00	
	46	5230	11.73	13.00	
802.11ax-HE80 MCS0	42	5210	11.92	13.00	

5.3GHz WLAN		Ant 8			
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11a 6Mbps	52	5260	13.58	14.00
		56	5280	13.55	14.00
		60	5300	13.50	14.00
		64	5320	13.52	14.00
	802.11n-HT20 MCS0	52	5260	11.28	12.00
		56	5280	11.35	12.00
		60	5300	11.37	12.00
		64	5320	11.39	12.00
	802.11n-HT40 MCS0	54	5270	11.33	12.00
		62	5310	11.53	12.00
	802.11ac-VHT20 MCS0	52	5260	10.22	11.00
		56	5280	10.26	11.00
		60	5300	10.28	11.00
		64	5320	10.24	11.00
802.11ac-VHT40 MCS0	54	5270	10.31	11.00	
	62	5310	10.35	11.00	
802.11ac-VHT80 MCS0	58	5290	9.10	10.00	
802.11ax-HE20 MCS0	52	5260	8.89	10.00	
	56	5280	9.00	10.00	
	60	5300	9.15	10.00	
	64	5320	9.23	10.00	
802.11ax-HE40 MCS0	54	5270	8.72	10.00	
	62	5310	9.21	10.00	
802.11ax-HE80 MCS0	58	5290	9.10	10.00	

5.3GHz WLAN		Ant 9			
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11a 6Mbps	52	5260	12.47	13.00
		56	5280	12.58	13.00
		60	5300	12.70	13.00
		64	5320	12.71	13.00
	802.11n-HT20 MCS0	52	5260	9.72	11.00
		56	5280	9.75	11.00
		60	5300	9.79	11.00
		64	5320	9.76	11.00
	802.11n-HT40 MCS0	54	5270	9.91	11.00
		62	5310	9.95	11.00
	802.11ac-VHT20 MCS0	52	5260	8.92	10.00
		56	5280	8.93	10.00
		60	5300	8.95	10.00
		64	5320	8.92	10.00
802.11ac-VHT40 MCS0	54	5270	9.06	10.00	
	62	5310	8.97	10.00	
802.11ac-VHT80 MCS0	58	5290	8.33	9.50	
802.11ax-HE20 MCS0	52	5260	7.95	9.50	
	56	5280	7.97	9.50	
	60	5300	8.01	9.50	
	64	5320	8.02	9.50	
802.11ax-HE40 MCS0	54	5270	7.91	9.50	
	62	5310	7.96	9.50	
802.11ax-HE80 MCS0	58	5290	8.19	9.50	

5.3GHz WLAN		Ant 8+9			
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11a 6Mbps	56	5280	16.18	16.50
		60	5300	16.20	16.50
		64	5320	16.22	16.50
	802.11n-HT20 MCS0	52	5260	13.75	15.00
		56	5280	13.78	15.00
		60	5300	13.84	15.00
		64	5320	13.84	15.00
	802.11n-HT40 MCS0	54	5270	13.89	15.00
		62	5310	14.02	15.00
	802.11ac-VHT20 MCS0	52	5260	12.80	14.00
		56	5280	12.83	14.00
		60	5300	12.85	14.00
		64	5320	12.81	14.00
	802.11ac-VHT40 MCS0	54	5270	12.94	14.00
802.11ac-VHT80 MCS0	58	5290	11.94	13.00	
802.11ax-HE20 MCS0	52	5260	11.65	13.00	
	56	5280	11.71	13.00	
	60	5300	11.83	13.00	
	64	5320	11.88	13.00	
802.11ax-HE40 MCS0	54	5270	11.54	13.00	
	62	5310	11.84	13.00	
802.11ax-HE80 MCS0	58	5290	11.88	13.00	

5.6GHz WLAN		Ant 8			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
5.6GHz WLAN	802.11a 6Mbps	100	5500	13.22	13.50
		116	5580	13.09	13.50
		124	5620	13.28	14.00
		132	5660	13.56	14.50
		140	5700	13.97	14.50
		144	5720	13.89	14.50
	802.11n-HT20 MCS0	100	5500	10.88	12.00
		116	5580	10.64	12.00
		124	5620	11.02	12.00
		132	5660	11.15	12.00
	802.11n-HT40 MCS0	140	5700	11.69	12.00
		144	5720	11.71	12.00
		102	5510	10.91	12.00
		110	5550	10.89	12.00
	802.11ac-VHT20 MCS0	126	5630	11.10	12.00
		134	5670	11.44	12.00
		142	5710	11.92	12.00
		100	5500	9.94	10.50
	802.11ac-VHT40 MCS0	116	5580	9.76	10.50
		124	5620	10.08	10.50
		132	5660	10.19	10.50
		140	5700	10.24	10.50
	802.11ac-VHT80 MCS0	144	5720	9.92	10.50
		102	5510	9.90	10.50
		110	5550	9.85	10.50
		126	5630	9.80	10.50
	802.11ax-HE20 MCS0	134	5670	9.75	10.50
		142	5710	10.22	10.50
		106	5530	8.88	10.00
		122	5610	8.91	10.00
	802.11ax-HE40 MCS0	138	5690	8.93	10.00
		100	5500	8.34	10.00
		116	5580	8.38	10.00
		124	5620	8.50	10.00
	802.11ax-HE80 MCS0	132	5660	8.80	10.00
		140	5700	9.16	10.00
		144	5720	9.11	10.00
		102	5510	8.14	10.00
	802.11ax-HE20 MCS0	110	5550	8.10	10.00
		126	5630	8.30	10.00
		134	5670	8.54	10.00
		142	5710	8.99	10.00
	802.11ax-HE40 MCS0	106	5530	8.56	10.00
		122	5610	8.44	10.00
		138	5690	8.80	10.00
		100	5500	8.34	10.00

5.6GHz WLAN		Ant 9			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
5.6GHz WLAN	802.11a 6Mbps	100	5500	11.88	12.50
		116	5580	12.08	12.50
		124	5620	11.85	12.50
		132	5660	11.81	12.50
		140	5700	11.85	12.50
		144	5720	11.78	12.50
	802.11n-HT20 MCS0	100	5500	9.81	10.00
		116	5580	9.84	10.00
		124	5620	9.55	10.00
		132	5660	9.39	10.00
	802.11n-HT40 MCS0	140	5700	9.35	10.00
		144	5720	9.27	10.00
		102	5510	9.04	10.00
		110	5550	8.88	10.00
	802.11ac-VHT20 MCS0	126	5630	9.87	10.00
		134	5670	10.55	11.00
		142	5710	9.56	10.00
		100	5500	8.03	9.00
	802.11ac-VHT40 MCS0	116	5580	8.32	9.00
		124	5620	7.99	9.00
		132	5660	7.83	9.00
		140	5700	7.70	9.00
	802.11ac-VHT80 MCS0	144	5720	7.62	9.00
		102	5510	8.17	9.00
		110	5550	8.10	9.00
		126	5630	8.55	9.00
	802.11ax-HE20 MCS0	134	5670	8.78	9.00
		142	5710	7.81	9.00
		106	5530	7.48	8.00
		122	5610	7.71	8.00
	802.11ax-HE40 MCS0	138	5690	7.17	8.00
		100	5500	7.07	8.00
		116	5580	7.33	8.00
		124	5620	6.99	8.00
	802.11ax-HE80 MCS0	132	5660	6.85	8.00
		140	5700	6.77	8.00
		144	5720	6.63	8.00
		102	5510	6.95	8.00
	802.11ax-HE20 MCS0	110	5550	7.61	8.00
		126	5630	7.00	8.00
		134	5670	7.32	8.00
		142	5710	6.73	8.00
	802.11ax-HE40 MCS0	106	5530	7.23	8.00
		122	5610	7.57	8.00
		138	5690	7.11	8.00
		100	5500	7.07	8.00

5.6GHz WLAN	Ant 8+9				
5.6GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11a 6Mbps	100	5500	15.69	16.50
		116	5580	15.70	16.50
		124	5620	15.95	16.50
		132	5660	15.99	16.50
		140	5700	16.12	16.50
		144	5720	16.05	16.50
	802.11n-HT20 MCS0	100	5500	13.56	14.00
		116	5580	13.44	14.00
		124	5620	13.47	14.00
		132	5660	13.66	14.00
		140	5700	13.86	14.00
		144	5720	13.85	14.00
	802.11n-HT40 MCS0	102	5510	13.29	14.50
		110	5550	13.21	14.50
		126	5630	13.45	14.50
		134	5670	14.23	14.50
		142	5710	14.11	14.50
	802.11ac-VHT20 MCS0	100	5500	12.27	13.00
		116	5580	12.28	13.00
		124	5620	12.30	13.00
		132	5660	12.19	13.00
		140	5700	12.34	13.00
		144	5720	12.11	13.00
	802.11ac-VHT40 MCS0	102	5510	12.33	13.00
		110	5550	12.28	13.00
		126	5630	12.30	13.00
		134	5670	12.50	13.00
		142	5710	12.39	13.00
	802.11ac-VHT80 MCS0	106	5530	11.44	12.00
122		5610	11.56	12.00	
138		5690	11.35	12.00	
802.11ax-HE20 MCS0	100	5500	10.96	12.00	
	116	5580	11.10	12.00	
	124	5620	11.15	12.00	
	132	5660	11.19	12.00	
	140	5700	11.34	12.00	
	144	5720	11.26	12.00	
802.11ax-HE40 MCS0	102	5510	10.84	12.00	
	110	5550	10.77	12.00	
	126	5630	11.00	12.00	
	134	5670	11.31	12.00	
	142	5710	11.22	12.00	
802.11ax-HE80 MCS0	106	5530	11.15	12.00	
	122	5610	11.24	12.00	
	138	5690	11.36	12.00	

5.8GHz WLAN		Ant 8			
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11a 6Mbps	149	5745	13.34	14.00
		157	5785	13.61	14.00
		165	5825	13.31	14.00
	802.11n-HT20 MCS0	149	5745	11.67	12.00
		157	5785	11.91	12.00
		165	5825	11.63	12.00
	802.11n-HT40 MCS0	151	5755	11.91	12.00
		159	5795	11.55	12.00
	802.11ac-VHT20 MCS0	149	5745	10.38	11.00
		157	5785	10.53	11.00
		165	5825	10.49	11.00
	802.11ac-VHT40 MCS0	151	5755	10.36	11.00
		159	5795	10.04	11.00
	802.11ac-VHT80 MCS0	155	5775	8.89	10.00
149		5745	9.10	10.00	
802.11ax-HE20 MCS0	157	5785	9.09	10.00	
	165	5825	9.31	10.00	
	151	5755	8.88	10.00	
802.11ax-HE40 MCS0	159	5795	9.23	10.00	
	155	5775	8.91	10.00	

5.8GHz WLAN		Ant 9			
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11a 6Mbps	149	5745	11.06	12.50
		157	5785	11.77	12.50
		165	5825	12.00	12.50
	802.11n-HT20 MCS0	149	5745	9.15	10.50
		157	5785	9.94	10.50
		165	5825	10.17	10.50
	802.11n-HT40 MCS0	151	5755	9.94	10.50
		159	5795	10.47	10.50
	802.11ac-VHT20 MCS0	149	5745	7.97	9.50
		157	5785	8.78	9.50
		165	5825	9.03	9.50
	802.11ac-VHT40 MCS0	151	5755	8.26	9.00
		159	5795	8.66	9.00
	802.11ac-VHT80 MCS0	155	5775	7.15	8.00
149		5745	6.51	8.00	
802.11ax-HE20 MCS0	157	5785	7.11	8.00	
	165	5825	7.41	8.00	
	151	5755	7.11	9.00	
802.11ax-HE40 MCS0	159	5795	8.02	9.00	
	155	5775	7.22	8.00	

5.8GHz WLAN		Ant 8+9			
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11a 6Mbps	149	5745	15.56	16.50
		157	5785	16.00	16.50
		165	5825	15.91	16.50
	802.11n-HT20 MCS0	149	5745	13.81	14.50
		157	5785	14.26	14.50
		165	5825	14.18	14.50
	802.11n-HT40 MCS0	151	5755	14.25	14.50
		159	5795	14.25	14.50
	802.11ac-VHT20 MCS0	149	5745	12.55	13.50
		157	5785	12.96	13.50
		165	5825	13.03	13.50
	802.11ac-VHT40 MCS0	151	5755	12.65	13.50
		159	5795	12.61	13.50
	802.11ac-VHT80 MCS0	155	5775	11.32	12.00
149		5745	11.21	12.00	
802.11ax-HE20 MCS0	157	5785	11.42	12.00	
	165	5825	11.67	12.00	
	151	5755	11.29	12.00	
802.11ax-HE40 MCS0	159	5795	11.88	12.00	
	155	5775	11.36	12.00	

WWAN Reduce Power 1

		LTE Band 2 (Ant1)											
BW	MCS Index	RB Size	RB Offset	Channel			3GPP MPR (dB)	Max. Twp-up (dB)	Max. Twp-up (dB)	Max. Twp-up (dB)	Max. Twp-up (dB)		
				Frequency (MHz)	Low	Mid						High	
20M	QPSK	1	0	20.54	20.54	20.54	0	21.5	0	21.5	0		
				1	50	20.53	20.49	0	21.5	0	21.5	0	
				1	99	20.30	20.36	20.41	0	21.5	0	21.5	0
				50	0	19.65	19.38	19.81	1	20.5	0	20.5	0
				50	25	19.70	19.61	19.62	1	20.5	0	20.5	0
				50	50	19.59	19.53	19.58	1	20.5	0	20.5	0
	16QAM	1	0	19.65	19.65	19.65	1	20.5	0	20.5	0		
				1	0	19.73	19.68	19.69	1	20.5	0	20.5	0
				1	50	19.66	19.59	19.62	1	20.5	0	20.5	0
				50	99	19.68	19.59	19.60	1	20.5	0	20.5	0
				50	0	18.60	18.56	18.57	2	19.5	0	19.5	0
				50	25	18.66	18.56	18.62	2	19.5	0	19.5	0
64QAM	1	0	18.67	18.67	18.67	2	19.5	0	19.5	0			
			1	0	19.67	19.64	19.67	2	19.5	0	19.5	0	
			1	50	19.56	19.51	19.47	2	19.5	0	19.5	0	
			1	99	19.45	19.42	19.46	2	19.5	0	19.5	0	
			50	0	18.59	18.52	18.52	3	18.5	0	18.5	0	
			50	25	18.60	18.58	18.52	3	18.5	0	18.5	0	

		LTE Band 4 (Ant1)											
BW	MCS Index	RB Size	RB Offset	Channel			3GPP MPR (dB)	Max. Twp-up (dB)	Max. Twp-up (dB)	Max. Twp-up (dB)	Max. Twp-up (dB)		
				Frequency (MHz)	Low	Mid						High	
20M	QPSK	1	0	21.00	21.00	21.00	0	22	0	22	0		
				1	50	20.87	20.83	21.12	0	22	0	22	0
				1	99	20.78	20.84	21.10	0	22	0	22	0
				50	0	20.47	20.46	20.46	1	21	0	21	0
				50	25	19.94	20.00	20.27	1	21	0	21	0
				50	50	19.98	19.98	20.21	1	21	0	21	0
	16QAM	1	0	20.01	20.01	20.01	1	21	0	21	0		
				1	0	20.20	20.24	20.49	1	21	0	21	0
				1	50	20.09	20.18	20.39	1	21	0	21	0
				50	99	20.08	20.07	20.36	1	21	0	21	0
				50	0	19.00	19.29	2	20	0	20	0	20
				50	25	19.02	19.04	19.30	2	20	0	20	0
64QAM	1	0	18.97	18.97	18.97	2	20	0	20	0			
			1	0	20.47	20.44	20.38	2	20	0	20	0	
			1	50	19.93	19.96	19.24	2	20	0	20	0	
			1	99	20.02	20.06	20.22	2	20	0	20	0	
			50	0	18.94	18.98	19.22	3	19	0	19	0	
			50	25	19.00	19.06	19.25	3	19	0	19	0	

		LTE Band 7 (Ant1)											
BW	MCS Index	RB Size	RB Offset	Channel			3GPP MPR (dB)	Max. Twp-up (dB)	Max. Twp-up (dB)	Max. Twp-up (dB)	Max. Twp-up (dB)		
				Frequency (MHz)	Low	Mid						High	
20M	QPSK	1	0	20.07	20.07	20.07	0	21	0	21	0		
				1	50	19.98	19.93	19.94	0	21	0	21	0
				1	99	20.08	20.01	20.04	0	21	0	21	0
				50	0	19.13	19.04	19.01	1	20	0	20	0
				50	25	19.19	19.13	19.18	1	20	0	20	0
				50	50	19.21	19.11	19.17	1	20	0	20	0
	16QAM	1	0	19.16	19.16	19.16	1	20	0	20	0		
				1	0	19.21	19.11	19.17	1	20	0	20	0
				1	50	19.07	19.07	19.05	1	20	0	20	0
				50	99	19.22	19.15	19.18	1	20	0	20	0
				50	0	18.16	18.07	18.14	2	19	0	19	0
				50	25	18.20	18.14	18.19	2	19	0	19	0
64QAM	1	0	18.22	18.22	18.22	2	19	0	19	0			
			1	0	19.16	19.06	19.16	2	19	0	19	0	
			1	50	19.11	19.02	19.03	2	19	0	19	0	
			1	99	19.19	19.13	19.18	2	19	0	19	0	
			50	0	18.19	18.14	18.07	3	18	0	18	0	
			50	25	18.24	18.13	18.14	3	18	0	18	0	











**UL CA**

<b>CA_7C</b>									
<b>Combination 20MHz+20MHz (100RB+100RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Tune up limit (dBm)
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	0	0	1	20.02	21.00
		16QAM	1	99	0	0	1	19.25	20.00
		64QAM	1	99	0	0	1	18.07	19.00
21100	21298	QPSK	1	99	0	0	1	19.99	21.00
		16QAM	1	99	0	0	1	19.14	20.00
		64QAM	1	99	0	0	1	18.20	19.00
21350	21152	QPSK	1	99	0	0	1	19.91	21.00
		16QAM	1	99	0	0	1	19.14	20.00
		64QAM	1	99	0	0	1	18.00	19.00

<b>CA_38C</b>									
<b>Combination 20MHz+20MHz (100RB+100RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	1	0	0	0	1	21.26	22.50
		16QAM	1	0	0	0	1	20.57	21.50
		64QAM	1	0	0	0	1	19.22	20.50
37901	38099	QPSK	1	0	0	0	1	21.14	22.50
		16QAM	1	0	0	0	1	20.27	21.50
		64QAM	1	0	0	0	1	19.01	20.50
38150	37952	QPSK	1	0	0	0	1	20.93	22.50
		16QAM	1	0	0	0	1	20.14	21.50
		64QAM	1	0	0	0	1	19.16	20.50

<b>CA_41C</b>									
<b>Combination 20MHz+20MHz (100RB+100RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	0	0	0	1	21.13	22.50
		16QAM	1	0	0	0	1	20.32	21.50
		64QAM	1	0	0	0	1	18.83	20.50
40185	40383	QPSK	1	0	0	0	1	21.03	22.50
		16QAM	1	0	0	0	1	20.19	21.50
		64QAM	1	0	0	0	1	18.71	20.50
40620	40818	QPSK	1	0	0	0	1	20.96	22.50
		16QAM	1	0	0	0	1	20.21	21.50
		64QAM	1	0	0	0	1	18.59	20.50
41055	41253	QPSK	1	0	0	0	1	20.85	22.50
		16QAM	1	0	0	0	1	20.09	21.50
		64QAM	1	0	0	0	1	18.56	20.50
41490	41292	QPSK	1	0	0	0	1	20.48	22.50
		16QAM	1	0	0	0	1	19.60	21.50
		64QAM	1	0	0	0	1	18.18	20.50

CA_42C Part27									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	0	0	0	1	20.43	22.00
		16QAM	1	0	0	0	1	19.65	21.00
		64QAM	1	0	0	0	1	18.19	20.00
42590	42392	QPSK	1	0	0	0	1	20.55	22.00
		16QAM	1	0	0	0	1	19.70	21.00
		64QAM	1	0	0	0	1	18.01	20.00
42990	42792	QPSK	1	0	0	0	1	20.43	22.00
		16QAM	1	0	0	0	1	19.68	21.00
		64QAM	1	0	0	0	1	18.11	20.00

CA_48C For SAR									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
55340	55538	QPSK	1	0	0	0	1	20.74	22.00
		16QAM	1	0	0	0	1	19.96	21.00
		64QAM	1	0	0	0	1	18.44	20.00
55830	56028	QPSK	1	0	0	0	1	20.89	22.00
		16QAM	1	0	0	0	1	20.11	21.00
		64QAM	1	0	0	0	1	18.68	20.00
56150	56348	QPSK	1	0	0	0	1	20.99	22.00
		16QAM	1	0	0	0	1	20.23	21.00
		64QAM	1	0	0	0	1	18.72	20.00
56640	56442	QPSK	1	0	0	0	1	20.84	22.00
		16QAM	1	0	0	0	1	20.11	21.00
		64QAM	1	0	0	0	1	18.66	20.00

# DL CA

Configure		CA List	PCC						SCC				Power		
			LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
			Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Intra-Band	Contiguous	CA_7C	Band 7	20M	2510	20850	QPSK	1	99	Band 7	20M	2649.8	3048	19.96	20.08
			Band 7	20M	2535	21100	QPSK	1	99	Band 7	20M	2674.8	3298	19.90	20.01
			Band 7	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	19.92	20.04





n30 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset				Max. Tune-up (dBm)
		Channel		Mid			
		Frequency (MHz)		2310			
10M	CP-OFDM QPSK	1	1		20.85		21
BW	MCS Index	Channel		461500	462000	462500	Max. Tune-up
		Frequency (MHz)		2307.5	2310	2312.5	
5M	CP-OFDM QPSK	1	1	20.73	20.75	20.81	21

n30 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset				Max. Tune-up (dBm)
		Channel		Mid			
		Frequency (MHz)		2310			
10M	DFT-s-OFDM Pi/2 BPSK	1	1		22.33		22.5
		1	26		22.34		22.5
		1	50		22.26		22.5
		25	0		21.79		22.5
		25	14		22.32		22.5
		25	27		21.80		22.5
	50	0		21.87		22	
	DFT-s-OFDM QPSK	1	1		22.37		22.5
		1	26		22.32		22.5
		1	50		22.31		22.5
		25	0		21.31		22.5
		25	14		22.28		22.5
		25	27		21.36		22.5
	50	0		21.38		22	
	DFT-s-OFDM 16QAM	1	1		21.39		21.5
	DFT-s-OFDM 64QAM	1	1		19.98		20.5
	DFT-s-OFDM 256QAM	1	1		17.98		18.5
	BW	MCS Index	Channel		461500	462000	462500
Frequency (MHz)			2307.5	2310	2312.5		
5M	DFT-s-OFDM QPSK	1	1	22.29	22.32	22.21	22.5

n66 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	CP-OFDM QPSK	1	1	20.35	20.28	20.32	20.5
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	CP-OFDM QPSK	1	1	20.36	20.31	20.30	20.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	CP-OFDM QPSK	1	1	20.32	20.27	20.32	20.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	CP-OFDM QPSK	1	1	20.33	20.23	20.28	20.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	CP-OFDM QPSK	1	1	20.29	20.29	20.25	20.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	CP-OFDM QPSK	1	1	20.36	20.25	20.27	20.5

n66 (SCS 15 kHz)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		346000	349000	352000		
		Frequency (MHz)		1730	1745	1760		
40M	DFT-s-OFDM Pi/2 BPSK	1	1	21.74	21.64	21.66	22	
		1	108	21.68	21.61	21.74	22	
		1	214	21.81	21.73	21.67	22	
		108	0	21.09	21.03	21.13	22	
		108	54	21.80	21.68	21.76	22	
		108	108	21.33	21.24	21.24	22	
	216	0	21.26	21.17	21.29	21.5		
	DFT-s-OFDM QPSK	1	1	21.83	21.73	21.82	22	
		1	108	21.81	21.73	21.82	22	
		1	214	21.69	21.71	21.80	22	
		108	0	20.67	20.62	20.68	22	
		108	54	21.81	21.70	21.74	22	
		216	0	20.83	20.70	20.81	21.5	
	DFT-s-OFDM 16QAM	1	1	20.85	20.75	20.82	21	
	DFT-s-OFDM 64QAM	1	1	19.44	19.31	19.29	20	
	DFT-s-OFDM 256QAM	1	1	17.39	17.33	17.30	18	
	BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
			Frequency (MHz)		1725	1745	1765	
30M	DFT-s-OFDM QPSK	1	1	21.75	21.75	21.78	22	
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up	
		Frequency (MHz)		1720	1745	1770		
20M	DFT-s-OFDM QPSK	1	1	21.73	21.69	21.70	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	21.79	21.66	21.72	22	
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up	
		Frequency (MHz)		1715	1745	1775		
10M	DFT-s-OFDM QPSK	1	1	21.74	21.73	21.67	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	21.81	21.70	21.67	22	

WWAN Reduce Power 2

LTE Band 2 (Ant1)											
BW	MCS Index	Channel		RB Offset			3GPP MPR (dB)	Max. TTxP (dBm)			
		RB Size	RB Offset	Low	Mid	High					
QPSK	16QAM	1500		1	0	17.56	17.54	0	18.5		
		1		50	17.51	17.35	17.48	0	18.5		
		1		99	17.21	17.32	17.29	0	18.5		
		50		0	16.82	16.26	16.21	1	17.5		
		50		25	16.68	16.54	16.57	1	17.5		
		50		50	16.53	16.45	16.56	1	17.5		
		100		0	16.61	16.26	16.34	1	17.5		
		1		0	16.66	16.60	16.63	1	17.5		
		1		50	16.63	16.53	16.60	1	17.5		
		50		99	16.66	16.52	16.55	1	17.5		
QPSK	64QAM	1500		1	0	15.54	15.57	2	16.5		
		1		50	15.48	15.48	15.61	2	16.5		
		50		50	15.48	15.52	15.49	2	16.5		
		100		0	15.65	15.49	15.52	2	16.5		
		1		0	16.61	16.26	16.26	2	16.5		
		1		50	16.56	16.48	16.42	2	16.5		
		1		99	16.37	16.35	16.44	2	16.5		
		50		0	15.59	15.48	15.49	3	15.5		
		50		25	15.57	15.57	15.46	3	15.5		
		50		50	15.49	15.43	15.48	3	15.5		

LTE Band 2 (Ant1)											
BW	MCS Index	Channel		3GPP MPR	Max. TTxP						
		Frequency (MHz)	Offset (MHz)								
QPSK	16QAM	1887.5		1880	1902.5	0	18.5				
		1		0	17.48	17.50	17.46	0	18.5		
		1		37	17.49	17.27	17.47	0	18.5		
		1		74	17.20	17.20	17.40	0	18.5		
		36		0	16.59	16.46	16.57	1	17.5		
		36		19	16.65	16.47	16.52	1	17.5		
		36		38	16.47	16.37	16.54	1	17.5		
		75		0	16.64	16.57	16.38	1	17.5		
		1		0	16.59	16.52	16.57	1	17.5		
		1		37	16.60	16.47	16.58	1	17.5		
QPSK	64QAM	1887.5		1880	1918	3	15.5				
		1		74	15.48	15.38	15.55	2	16.5		
		36		19	15.62	15.40	15.60	2	16.5		
		36		38	15.49	15.40	15.41	2	16.5		
		75		0	15.63	15.41	15.61	2	16.5		
		1		0	16.56	16.54	16.65	2	16.5		
		1		37	16.54	16.47	16.37	2	16.5		
		1		74	15.29	15.28	15.42	2	16.5		
		36		0	15.57	15.44	15.46	3	15.5		
		36		19	15.54	15.56	15.40	3	15.5		

LTE Band 2 (Ant1)											
BW	MCS Index	Channel		3GPP MPR	Max. TTxP						
		Frequency (MHz)	Offset (MHz)								
QPSK	16QAM	1855		1860	1916	0	18.5				
		1		0	17.55	17.50	17.43	0	18.5		
		1		24	17.47	17.47	17.47	0	18.5		
		1		49	17.26	17.31	17.25	0	18.5		
		25		0	16.56	16.47	16.58	1	17.5		
		25		12	16.67	16.52	16.52	1	17.5		
		25		25	16.46	16.48	16.41	1	17.5		
		50		0	16.64	16.55	16.43	1	17.5		
		1		0	16.63	16.59	16.57	1	17.5		
		1		24	16.59	16.59	16.58	1	17.5		
QPSK	64QAM	1855		1860	1952	2	16.5				
		1		49	16.60	16.50	16.52	1	17.5		
		25		0	15.52	15.38	15.56	2	16.5		
		25		12	15.56	15.44	15.56	2	16.5		
		25		25	15.47	15.46	15.47	2	16.5		
		50		0	15.64	15.44	15.54	2	16.5		
		1		0	16.59	16.56	16.62	2	16.5		
		1		24	16.53	16.42	16.37	2	16.5		
		1		49	16.57	16.46	16.41	3	15.5		
		25		12	15.50	15.49	15.40	3	15.5		

LTE Band 2 (Ant1)											
BW	MCS Index	Channel		3GPP MPR	Max. TTxP						
		Frequency (MHz)	Offset (MHz)								
QPSK	16QAM	1925		1980	1975	0	18.5				
		1		0	17.50	17.52	17.48	0	18.5		
		1		12	17.44	17.30	17.46	0	18.5		
		1		24	17.22	17.25	17.24	0	18.5		
		12		0	16.55	16.47	16.57	1	17.5		
		12		6	16.60	16.44	16.51	1	17.5		
		12		13	16.45	16.44	16.54	1	17.5		
		25		0	16.61	16.54	16.38	1	17.5		
		1		0	16.58	16.59	16.61	1	17.5		
		1		12	16.56	16.48	16.56	1	17.5		
QPSK	64QAM	1925		1980	1992	3	15.5				
		1		24	16.46	16.44	16.54	1	17.5		
		12		0	15.48	15.42	15.52	2	16.5		
		12		6	15.45	15.36	15.45	2	16.5		
		12		13	15.48	15.45	15.44	2	16.5		
		25		0	15.59	15.41	15.60	2	16.5		
		1		0	16.60	16.57	16.61	2	16.5		
		1		12	16.50	16.41	16.36	2	16.5		
		1		24	16.36	16.29	16.42	2	16.5		
		12		0	15.53	15.46	15.42	3	15.5		

LTE Band 2 (Ant1)											
BW	MCS Index	Channel		3GPP MPR	Max. TTxP						
		Frequency (MHz)	Offset (MHz)								
QPSK	16QAM	1815		1880	1915	0	18.5				
		1		0	17.50	17.46	17.49	0	18.5		
		1		7	17.49	17.27	17.46	0	18.5		
		1		14	17.23	17.24	17.29	0	18.5		
		8		0	16.59	16.47	16.51	1	17.5		
		8		3	16.60	16.53	16.52	1	17.5		
		8		7	16.49	16.40	16.55	1	17.5		
		15		0	16.60	16.67	16.41	1	17.5		
		1		0	16.59	16.55	16.61	1	17.5		
		1		7	16.56	16.51	16.55	1	17.5		
QPSK	64QAM	1815		1880	1928	2	16.5				
		1		14	16.64	16.44	16.53	1	17.5		
		8		0	15.66	15.46	15.49	2	16.5		
		8		3	15.58	15.46	15.55	2	16.5		
		8		7	15.41	15.39	15.47	2	16.5		
		15		0	15.59	15.42	15.57	2	16.5		
		1		0	16.54	16.54	16.64	2	16.5		
		1		7	16.47	16.47	16.36	2	16.5		
		1		14	16.29	16.34	16.42	2	16.5		
		8		0	15.61	15.43	15.41	3	15.5		

LTE Band 2 (Ant1)											
BW	MCS Index	Channel		3GPP MPR	Max. TTxP						
		Frequency (MHz)	Offset (MHz)								
QPSK	16QAM	1997.5		1980	1997.5	0	18.5				
		1		0	17.45	17.47	17.64	0	18.5		
		1		2	17.48	17.29	17.46	0	18.5		
		1		5	17.25	17.25	17.24	0	18.5		
		3		0	17.58	17.44	17.57	0	18.5		
		3		1	17.67	17.52	17.49	0	18.5		
		3		3	17.48	17.37	17.50	0	18.5		
		6		0	16.64	16.44	16.47	1	17.5		
		1		0	16.61	16.53	16.58	1	17.5		
		1		2	16.61	16.45	16.58	1	17.5		
QPSK	64QAM	1997.5		1980	2009	3	15.5				
		1		5	16.61	16.44	16.41	1	17.5		
		3		0	16.50	16.41	16.55	1	17.5		
		3		1	16.56	16.47	16.56	1	17.5		
		3		3	16.44	16.47	16.48	1	17.5		
		6		0	15.59	15.47	15.45	3	15.5		
		1		0	16.54	16.54	16.64	2	16.5		
		1		2	16.47	16.47	16.37	2	16.5		
		1		5	16.39	16.27	16.42	2	16.5		
		3		0	16.50	16.46	16.41	2	16.5		

LTE Band 4 (Ant1)											
BW	MCS Index	Channel		RB Offset			3GPP MPR (dB)	Max. TTxP (dBm)			
		RB Size	RB Offset	Low	Mid	High					
QPSK	16QAM	1500		1	0	17.28	17.23	0	18.5		
		1		50	17.35	17.42	17.58	0	18.5		
		1		99	17.22	17.29	17.59	0	18.5		
		50		0	16.91	16.74	16.90	1	17.5		
		50		25	16.38	16.43	16.75	1	17.5		
		50		50							

BW		MCS Index		LTE Band 25 (Ant1)																						
				RB Size			RB Offset		Low			Mid			High			3GPP	Max.							
				Channel	RB Size	RB Offset	Low	Mid	High	3GPP MPR	Max. Tilt-up (dB)															
OPPK	20M	1	0	Channel													3GPP MPR	Max. Tilt-up (dB)								
				Frequency (MHz)																						
				29140	29180	29200	29220	29240	29260	29280	29300	29320	29340	29360	29380	29400			29420							
		1	50	17.66	17.68	17.63	0	18.5	0	18.5	17.52	17.45	0	18.5	16.84	16.83	1	17.5								
																			1	50	25	16.74	16.72	16.69	1	17.5
																			1	100	0	16.86	16.86	16.87	1	17.5
																			1	1	50	16.70	16.76	16.71	1	17.5
		1	1	99	16.78	16.70	16.75	1	17.5																	
										1	50	0	15.89	15.85	15.86	3	15.5									
		1	50	25	15.66	15.70	15.65	3	15.5																	
										1	50	50	15.70	15.58	15.59	2	16.5									
		1	100	0	16.86	16.89	16.89	2	16.5																	
										1	1	0	16.96	16.92	16.77	2	16.5									
		1	50	0	16.59	16.55	16.56	2	16.5																	
										1	99	16.68	16.68	16.59	2	16.5										
		50	0	15.89	15.85	15.86	3	15.5																		
50	25								15.66	15.70	15.65	3	15.5													
		50	50	15.69	15.55	15.66	3	15.5																		
100	0								15.64	15.64	15.71	3	15.5													
		1	0	29116	29160	29171	3GPP MPR	Max. Tilt-up																		
1	0								17.60	17.53	17.62	0	18.5													
		1	37	17.58	17.53	17.41	0	18.5																		
1	74								17.44	17.31	17.43	0	18.5													
		36	0	16.71	16.60	16.60	1	17.5																		
36	19								16.71	16.71	16.63	1	17.5													
		36	39	16.80	16.56	16.61	1	17.5																		
75	0								16.80	16.70	16.64	1	17.5													
		1	0	17.04	16.76	17.02	1	17.5																		
1	37								16.62	16.72	16.66	1	17.5													
		1	74	16.76	16.71	16.73	1	17.5																		
36	0								15.72	15.68	15.46	2	16.5													
		36	19	15.60	15.67	15.61	2	16.5																		
36	39								15.68	15.61	15.62	2	16.5													
		75	0	15.90	15.51	15.66	2	16.5																		
1	0								16.95	16.90	16.69	2	16.5													
		1	37	16.62	16.47	16.50	2	16.5																		
1	74								16.66	16.67	16.55	2	16.5													
		36	0	15.67	15.47	15.65	3	15.5																		
36	19								15.60	15.67	15.61	3	15.5													
		36	39	15.67	15.47	15.65	3	15.5																		
75	0								15.96	15.57	15.68	3	15.5													
		1	0	29125	29140	29151	3GPP MPR	Max. Tilt-up																		
1	0								17.60	17.53	17.62	0	18.5													
		1	37	17.58	17.53	17.41	0	18.5																		
1	74								17.44	17.31	17.43	0	18.5													
		36	0	16.71	16.60	16.60	1	17.5																		
36	19								16.71	16.71	16.63	1	17.5													
		36	39	16.80	16.56	16.61	1	17.5																		
75	0								16.80	16.70	16.64	1	17.5													
		1	0	17.04	16.76	17.02	1	17.5																		
1	37								16.62	16.72	16.66	1	17.5													
		1	74	16.76	16.71	16.73	1	17.5																		
36	0								15.72	15.68	15.46	2	16.5													
		36	19	15.60	15.67	15.61	2	16.5																		
36	39								15.68	15.61	15.62	2	16.5													
		75	0	15.90	15.51	15.66	2	16.5																		
1	0								16.95	16.90	16.69	2	16.5													
		1	37	16.62	16.47	16.50	2	16.5																		
1	74								16.66	16.67	16.55	2	16.5													
		36	0	15.67	15.47	15.65	3	15.5																		
36	19								15.60	15.67	15.61	3	15.5													
		36	39	15.67	15.47	15.65	3	15.5																		
75	0								15.96	15.57	15.68	3	15.5													
		1	0	29116	29140	29151	3GPP MPR	Max. Tilt-up																		
1	0								17.60	17.53	17.62	0	18.5													
		1	37	17.58	17.53	17.41	0	18.5																		
1	74								17.44	17.31	17.43	0	18.5													
		36	0	16.71	16.60	16.60	1	17.5																		
36	19								16.71	16.71	16.63	1	17.5													
		36	39	16.80	16.56	16.61	1	17.5																		
75	0								16.80	16.70	16.64	1	17.5													
		1	0	17.04	16.76	17.02	1	17.5																		
1	37								16.62	16.72	16.66	1	17.5													
		1	74	16.76	16.71	16.73	1	17.5																		
36	0								15.72	15.68	15.46	2	16.5													
		36	19	15.60	15.67	15.61	2	16.5																		
36	39								15.68	15.61	15.62	2	16.5													
		75	0	15.90	15.51	15.66	2	16.5																		
1	0								16.95	16.90	16.69	2	16.5													
		1	37	16.62	16.47	16.50	2	16.5																		
1	74								16.66	16.67	16.55	2	16.5													
		36	0	15.67	15.47	15.65	3	15.5																		
36	19								15.60	15.67	15.61	3	15.5													
		36	39	15.67	15.47	15.65	3	15.5																		
75	0								15.96	15.57	15.68	3	15.5													
		1	0	29125	29140	29151	3GPP MPR	Max. Tilt-up																		
1	0								17.60	17.53	17.62	0	18.5													
		1	37	17.58	17.53	17.41	0	18.5																		
1	74								17.44	17.31	17.43	0	18.5													
		36	0	16.71	16.60	16.60	1	17.5																		
36	19								16.71	16.71	16.63	1	17.5													
		36	39	16.80	16.56	16.61	1	17.5																		
75	0								16.80	16.70	16.64	1	17.5													
		1	0	17.04	16.76	17.02	1	17.5																		
1	37								16.62	16.72	16.66	1	17.5													
		1	74	16.76	16.71	16.73	1	17.5																		
36	0								15.72	15.68	15.46	2	16.5													
		36	19	15.60	15.67	15.61	2	16.5																		
36	39								15.68	15.61	15.62	2	16.5													
		75	0	15.90	15.51	15.66	2	16.5																		
1	0								16.95	16.90	16.69	2	16.5													
		1	37	16.62	16.47	16.50	2	16.5																		
1	74								16.66	16.67	16.55	2	16.5													
		36	0	15.67	15.47	15.65	3	15.5																		
36	19								15.60	15.67	15.61	3	15.5													
		36	39	15.67	15.47	15.65	3	15.5																		
75	0								15.96	15.57	15.68	3	15.5													
		1	0	29116	29140	29151	3GPP MPR	Max. Tilt-up																		
1	0								17.60	17.53	17.62	0	18.5													
		1	37	17.58	17.53	17.41	0	18.5																		
1	74								17.44	17.31	17.43	0	18.5													
		36	0	16.71	16.60	16.60	1	17.5																		
36	19								16.71	16.71	16.63	1	17.5													
		36	39	16.80	16.56	16.61	1	17.5																		
75	0								16.80	16.70	16.64	1	17.5													
		1	0	17.04	16.76	17.02	1	17.5																		
1	37								16.62	16.72	16.66	1	17.5													
		1	74	16.76	16.71	16.73	1	17.5																		
36	0								15.72	15.68	15.46	2	16.5													
		36	19	15.60	15.67	15.61	2	16.5																		
36	39								15.68	15.61	15.62	2	16.5													
		75	0	15.90	15.51	15.66	2	16.5																		
1	0								16.95	16.90	16.69	2	16.5													
		1	37	16.62	16.47	16.50	2	16.5																		
1	74								16.66	16.67	16.55	2	16.5													
		36	0	15.67																						

BW	MCS Index	LTE Band 41 (2496 – 2690MHz) (Ant1)											
		RB Size	RB Offset		Low	Low Mid	Mid	High Mid	High	3GPP MPR (dB)	Max. Tune-up (dB)	3GPP MPR (dB)	Max. Tune-up (dB)
			Channel										
			Frequency (MHz)	Offset (MHz)									
10M	QPSK	1	0	18.48	18.52	18.30	18.02	18.01	0	19.5	0	19.5	
		1	50	18.40	18.38	18.26	17.84	18.00	0	19.5	0	19.5	
		1	99	18.42	18.30	18.20	17.98	17.96	0	19.5	0	19.5	
		50	0	17.44	17.45	17.26	16.95	17.07	1	18.5	18.5	18.5	
		50	25	17.56	17.53	17.36	17.06	17.08	1	18.5	18.5	18.5	
		50	50	17.43	17.45	17.39	17.05	17.08	1	18.5	18.5	18.5	
	16QAM	100	0	17.27	17.18	17.11	16.82	16.88	1	18.5	18.5	18.5	
		1	50	17.21	17.20	17.10	16.69	16.77	1	18.5	18.5	18.5	
		1	99	17.23	17.25	17.09	16.81	16.77	1	18.5	18.5	18.5	
		50	0	16.40	16.36	16.30	15.99	16.13	2	17.5	17.5	17.5	
		50	25	16.43	16.44	16.33	15.98	16.00	2	17.5	17.5	17.5	
		50	50	16.42	16.46	16.32	16.03	16.02	2	17.5	17.5	17.5	
64QAM	100	0	16.81	16.84	16.81	16.94	16.08	2	17.5	17.5	17.5		
	1	1	17.39	17.49	17.30	17.00	17.08	2	17.5	17.5	17.5		
	1	50	17.41	17.36	17.26	16.91	16.88	2	17.5	17.5	17.5		
	1	99	17.42	17.38	17.29	16.96	17.01	2	17.5	17.5	17.5		
	50	0	16.42	16.42	16.26	15.92	15.97	3	16.5	16.5	16.5		
	50	25	16.53	16.54	16.33	16.11	16.12	3	16.5	16.5	16.5		
5M	QPSK	1	0	18.47	18.48	18.22	18.00	17.95	0	19.5	0	19.5	
		1	37	18.36	18.35	18.19	17.76	17.98	0	19.5	0	19.5	
		1	74	18.40	18.49	18.25	17.84	17.90	0	19.5	0	19.5	
		36	0	17.38	17.40	17.36	16.91	17.06	1	18.5	18.5	18.5	
		36	19	17.55	17.51	17.30	17.05	17.01	1	18.5	18.5	18.5	
		36	39	17.26	17.38	17.37	17.06	17.06	1	18.5	18.5	18.5	
	16QAM	75	0	17.56	17.52	17.31	17.02	17.05	1	18.5	18.5	18.5	
		1	0	17.24	17.20	17.06	16.75	16.86	1	18.5	18.5	18.5	
		1	37	17.17	17.15	17.08	16.61	16.70	1	18.5	18.5	18.5	
		1	74	17.17	17.22	17.12	16.70	16.71	1	18.5	18.5	18.5	
		36	0	16.38	16.27	16.30	15.86	15.98	2	17.5	17.5	17.5	
		36	19	16.35	16.40	16.28	15.92	15.95	2	17.5	17.5	17.5	
64QAM	36	39	16.30	16.30	16.20	15.80	16.02	2	17.5	17.5	17.5		
	75	0	16.40	16.49	16.33	15.96	16.02	2	17.5	17.5	17.5		
	1	0	17.33	17.46	17.26	16.99	17.07	2	17.5	17.5	17.5		
	1	37	17.39	17.29	17.20	16.80	16.80	2	17.5	17.5	17.5		
	1	74	17.36	17.30	17.21	16.79	17.00	2	17.5	17.5	17.5		
	36	0	16.41	16.40	16.17	15.89	15.94	3	16.5	16.5	16.5		
1M	QPSK	36	19	16.46	16.46	16.27	16.10	16.08	3	16.5	16.5	16.5	
		36	39	16.46	16.48	16.27	16.14	16.07	3	16.5	16.5	16.5	
		75	0	16.60	16.45	16.10	15.81	15.82	3	16.5	16.5	16.5	
		1	0	18.40	18.48	18.25	17.95	17.93	0	19.5	0	19.5	
		1	24	18.38	18.30	18.24	17.76	17.90	0	19.5	0	19.5	
		1	49	18.34	18.46	18.24	17.96	17.88	0	19.5	0	19.5	
	16QAM	25	0	17.41	17.39	17.34	16.87	17.04	1	18.5	18.5	18.5	
		25	12	17.54	17.46	17.30	17.00	17.06	1	18.5	18.5	18.5	
		25	25	17.37	17.37	17.27	17.04	17.03	1	18.5	18.5	18.5	
		50	0	17.56	17.54	17.26	17.00	17.08	1	18.5	18.5	18.5	
		1	0	17.20	17.23	17.05	16.80	16.83	1	18.5	18.5	18.5	
		1	24	17.18	17.14	17.08	16.64	16.75	1	18.5	18.5	18.5	
64QAM	1	49	17.21	17.18	17.04	16.79	16.69	1	18.5	18.5	18.5		
	25	0	16.34	16.27	16.29	15.82	15.93	2	17.5	17.5	17.5		
	25	12	16.41	16.36	16.32	15.95	15.94	2	17.5	17.5	17.5		
	25	25	16.34	16.42	16.27	16.01	15.96	2	17.5	17.5	17.5		
	50	0	16.58	16.46	16.40	16.08	16.00	2	17.5	17.5	17.5		
	1	0	17.31	17.45	17.26	17.00	17.06	2	17.5	17.5	17.5		
0.5M	QPSK	1	0	17.38	17.30	17.23	16.83	16.80	2	17.5	17.5	17.5	
		1	49	17.40	17.31	17.24	16.84	16.90	2	17.5	17.5	17.5	
		1	24	18.37	18.42	18.28	17.90	17.90	0	19.5	0	19.5	
		12	0	17.40	17.40	17.31	16.91	17.00	1	18.5	18.5	18.5	
		12	6	17.48	17.52	17.30	17.00	17.00	1	18.5	18.5	18.5	
		12	13	17.38	17.40	17.38	16.98	17.02	1	18.5	18.5	18.5	
	16QAM	25	0	17.51	17.54	17.29	16.97	17.08	1	18.5	18.5	18.5	
		1	0	17.20	17.26	17.09	16.74	16.83	1	18.5	18.5	18.5	
		1	12	17.13	17.18	17.06	16.66	16.76	1	18.5	18.5	18.5	
		1	24	17.21	17.17	17.07	16.73	16.72	1	18.5	18.5	18.5	
		12	0	16.32	16.29	16.23	15.86	15.97	2	17.5	17.5	17.5	
		12	6	16.37	16.42	16.27	15.92	15.96	2	17.5	17.5	17.5	
64QAM	12	13	16.35	16.41	16.30	16.02	16.00	2	17.5	17.5	17.5		
	25	0	16.55	16.47	16.38	16.09	16.07	2	17.5	17.5	17.5		
	1	0	17.57	17.64	17.39	17.07	17.03	2	17.5	17.5	17.5		
	1	12	17.23	17.34	17.19	16.90	16.83	2	17.5	17.5	17.5		
	1	24	17.34	17.37	17.27	16.91	17.00	2	17.5	17.5	17.5		
	12	0	16.38	16.37	16.17	15.90	15.95	3	16.5	16.5	16.5		

BW	MCS Index	LTE Band 42 Part7Q (Ant7)											
		RB Size	RB Offset		Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dB)	3GPP MPR (dB)	Max. Tune-up (dB)		
			Channel										
			Frequency (MHz)	Offset (MHz)									
10M	QPSK	1	0	17.91	17.95	17.90	17.50	0	19	0	19		
		1	50	17.78	17.55	17.74	0	19	0	19			
		1	99	17.74	17.57	17.78	0	19	0	19			
		50	0	16.87	16.85	16.85	1	18	18	18			
		50	25	16.78	16.81	16.80	1	18	18	18			
		50	50	16.84	16.71	16.83	1	18	18	18			
	16QAM	100	0	16.86	16.86	16.84	1	18	18	18			
		1	50	16.41	16.34	16.47	1	18	18	18			
		1	99	16.27	16.28	16.29	1	18	18	18			
		1	99	16.41	16.18	16.37	1	18	18	18			
		50	0	15.71	15.67	15.70	2	17	17	17			
		50	25	15.80	15.77	15.76	2	17	17	17			
64QAM	50	50	15.75	15.68	15.81	2	17	17	17				
	100	0	15.82	15.79	15.90	2	17	17	17				
	1	0	15.49	15.44	15.55	2	17	17	17				
	1	50	15.38	15.39	15.38	2	17	17	17				
	1	99	15.27	15.40	15.45	2	17	17	17				
	50	0	14.81	14.78	14.79	3	16	16	16				
5M	QPSK	1	0	14.87	14.90	14.95	3	16	16	16			
		1	99	14.89	14.76	14.77	3	16	16	16			
		100	0	14.87	14.84	14.89	3	16	16	16			
		1	0	17.76	17.59	17.74	0	19	0	19			
		1	37	17.76	17.47	17.72	0	19	0	19			
		1	74	17.63	17.70	17.77	0	19	0	19			
	16QAM	36	0	16.83	16.78	16.80	1	18	18	18			
		36	19	16.70	16.80	16.75	1	18	18	18			
		36	39	16.80	16.88	16.82	1	18	18	18			
		75	0	16.80	16.81	16.79	1	18	18	18			
		1	0	16.34	16.29	16.45	1	18	18	18			
		1	37	16.19	16.26	16.24	1	18	18	18			
64QAM	1	74	16.29	16.30	16.34	1	18	18	18				
	36	0	15.66	15.61	15.62	2	17	17	17				
	36	19	15.74	15.75	15.70	2	17	17	17				
	36	39	15.68	15.83	15.79	2	17	17	17				
	75	0	15.86	15.92	15.80	2	17	17	17				
	1	0	15.42	15.37	15.53	2	17	17	17				
0.5M	QPSK	1	0	15.30	15.37	15.32	2	17	17	17			
		1	37	15.40	15.37	15.32	2	17					

LTE Band 43 (Ant7)											
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)			
		Channel			43690	44090			44490		
		Frequency (MHz)			3610	3650			3690		
20M	QPSK	1	0	18.03	18.26	18.24	0	19			
		1	50	17.95	18.10	18.00	0	19			
		1	99	17.83	18.08	17.86	0	19			
		50	0	16.87	17.06	17.00	1	18			
		50	25	16.97	17.15	17.03	1	18			
		50	50	16.89	16.98	17.00	1	18			
	100	0	16.84	17.13	16.99	1	18				
	16QAM	1	0	17.03	17.18	17.14	1	18			
		1	50	16.87	17.00	16.82	1	18			
		1	99	16.83	17.10	16.96	1	18			
		50	0	15.92	16.03	15.95	2	17			
		50	25	15.83	16.00	16.00	2	17			
		50	50	15.87	16.06	15.82	2	17			
	64QAM	100	0	15.91	16.10	16.02	2	17			
		1	0	15.79	16.02	15.84	2	17			
1		50	15.67	15.76	15.78	2	17				
1		99	15.60	15.83	15.65	2	17				
50		0	14.99	15.18	14.94	3	16				
50		25	14.87	15.04	15.04	3	16				
15M	QPSK	1	0	17.95	18.19	18.22	0	19			
		1	37	17.94	18.06	17.97	0	19			
		1	74	17.80	18.07	17.80	0	19			
		36	0	16.83	17.01	16.98	1	18			
		36	19	16.91	17.13	17.00	1	18			
		36	39	16.87	16.90	16.99	1	18			
	75	0	16.76	17.09	16.94	1	18				
	16QAM	1	0	17.00	17.12	17.12	1	18			
		1	37	16.86	16.95	16.74	1	18			
		1	74	16.77	17.07	16.92	1	18			
		36	0	15.90	15.96	15.90	2	17			
		36	19	15.77	15.92	15.98	2	17			
		36	39	15.86	16.04	15.74	2	17			
	64QAM	75	0	15.84	16.02	15.96	2	17			
		1	0	15.77	16.01	15.80	2	17			
1		37	15.65	15.68	15.77	2	17				
1		74	15.58	15.82	15.61	2	17				
36		0	14.98	15.16	14.86	3	16				
36		19	14.81	14.96	15.02	3	16				
10M	QPSK	36	39	14.94	15.03	14.82	3	16			
		75	0	14.87	15.05	15.02	3	16			
		1	0	15.77	15.95	15.79	2	17			
		1	24	15.61	15.68	15.76	2	17			
		1	49	15.59	15.81	15.57	2	17			
		25	0	14.94	15.10	14.88	3	16			
	16QAM	25	12	14.86	14.98	15.02	3	16			
		25	25	14.92	15.02	14.88	3	16			
		50	0	14.83	15.06	14.99	3	16			
		1	0	15.77	15.95	15.79	2	17			
		1	24	15.61	15.68	15.76	2	17			
		1	49	15.59	15.81	15.57	2	17			
	64QAM	25	0	14.94	15.10	14.88	3	16			
		25	12	14.86	14.98	15.02	3	16			
		25	25	14.92	15.02	14.88	3	16			
50		0	14.83	15.06	14.99	3	16				
1		0	15.77	15.95	15.79	2	17				
1		24	15.61	15.68	15.76	2	17				
5M	QPSK	1	0	17.98	18.19	18.19	0	19			
		1	12	17.93	18.02	17.98	0	19			
		1	24	17.75	18.07	17.81	0	19			
		12	0	16.83	17.01	16.99	1	18			
		12	6	16.91	17.13	16.98	1	18			
		12	13	16.82	16.93	16.98	1	18			
	16QAM	25	0	16.76	17.11	16.94	1	18			
		1	0	17.01	17.10	17.12	1	18			
		1	12	16.79	16.94	16.74	1	18			
		1	24	16.77	17.08	16.90	1	18			
		12	0	15.85	15.98	15.93	2	17			
		12	6	15.77	15.93	15.95	2	17			
	64QAM	12	13	15.80	16.01	15.80	2	17			
		25	0	15.83	16.08	15.96	2	17			
		1	0	15.71	16.01	15.82	2	17			
1		12	15.63	15.71	15.70	2	17				
1		24	15.52	15.82	15.63	2	17				
12		0	14.95	15.13	14.86	3	16				

LTE Band 48 (Ant7)												
BW	MCS Index	RB Size	RB Offset	Low	Low Mid	High Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)			
		Channel			55340	55830	56150			56640		
		Frequency (MHz)			3560	3609	3641			3690		
20M	QPSK	1	0	17.87	18.02	18.21	18.26	0	19			
		1	50	17.83	17.92	18.19	18.23	0	19			
		1	99	17.66	17.95	18.06	18.10	0	19			
		50	0	16.90	17.05	17.26	17.30	1	18			
		50	25	16.84	16.95	17.12	17.16	1	18			
		50	50	16.74	16.91	17.16	17.20	1	18			
	16QAM	100	0	16.86	17.05	17.06	17.10	1	18			
		1	0	16.64	16.83	17.00	17.04	1	18			
		1	50	16.70	16.85	17.06	17.10	1	18			
		1	99	16.69	16.80	16.97	17.01	1	18			
		50	0	15.80	15.97	16.22	16.16	2	17			
		50	25	15.84	15.93	16.20	16.16	2	17			
	64QAM	50	50	15.69	15.98	16.09	16.19	2	17			
		100	0	15.86	15.95	16.22	16.26	2	17			
		1	0	15.55	15.84	15.95	15.99	2	17			
1		50	15.61	15.76	15.97	16.03	2	17				
1		99	15.59	15.70	15.87	15.91	2	17				
50		0	14.76	14.93	15.18	15.22	3	16				
15M	QPSK	50	25	14.82	15.01	15.02	15.06	3	16			
		50	50	14.71	14.86	15.03	15.09	3	16			
		100	0	14.83	14.94	15.15	15.19	3	16			
		1	0	16.87	16.99	17.24	17.28	1	18			
		36	19	16.82	16.88	17.07	17.11	1	18			
		36	39	16.68	16.83	17.14	17.18	1	18			
	16QAM	75	0	16.85	17.03	16.98	17.02	1	18			
		1	0	16.57	16.75	16.94	16.98	1	18			
		1	37	16.67	16.79	17.04	17.08	1	18			
		1	74	16.67	16.73	16.92	16.96	1	18			
		36	0	15.74	15.89	16.20	16.09	2	17			
		36	19	15.82	15.85	16.19	16.11	2	17			
	64QAM	36	39	15.61	15.94	16.04	16.17	2	17			
		75	0	15.84	15.87	16.21	16.25	2	17			
		1	0	15.47	15.80	15.90	15.94	2	17			
1		37	15.58	15.70	15.95	16.02	2	17				
1		74	15.57	15.63	15.82	15.86	2	17				
36		0	14.70	14.85	15.16	15.20	3	16				
10M	QPSK	36	19	14.81	14.99	14.94	14.98	3	16			
		36	39	14.66	14.78	14.97	15.04	3	16			
		75	0	14.82	14.88	15.13	15.17	3	16			
		1	0	17.82	17.95	18.16	18.21	0	19			
		1	24	17.81	17.84	18.17	18.22	0	19			
		1	49	17.61	17.87	18.05	18.05	0	19			
	16QAM	25	0	16.86	17.00	17.21	17.28	1	18			
		25	12	16.76	16.94	17.07	17.11	1	18			
		25	25	16.70	16.86	17.15	17.18	1	18			
		50	0	16.80	17.03	17.01	17.02	1	18			
		1	0	16.57	16.78	16.98	16.98	1	18			
		1	24	16.62	16.83	17.01	17.08	1	18			
	64QAM	1	49	16.67	16.72	16.95	16.96	1	18			
		25	0	15.72	15.91	16.14	16.09	2	17			
		25	12	15.78	15.91	16.14	16.11	2	17			
25		25	15.62	15.93	16.07	16.17	2	17				
50		0	15.80	15.88	16.17	16.25	2	17				
1		0	15.48	15.79	15.93	15.94	2	17				
5M	QPSK	1	0	15.53	15.74	15.91	16.02	2	17			
		1	49	15.51	15.69	15.85	15.86	2	17			
		25	0	14.72	14.88	15.10	15.20	3	16			
		25	12	14.74	15.00	15.00	14.98	3	16			
		25	25	14.67	14.81	14.95	15.04	3	16			
		50	0	14.77	14.92	15.12	15.17	3	16			
	16QAM	1	0	16.56	16.82	16.98	16.98	1	18			
		1	12	16.65	16.80	17.02	17.08	1	18			
		1	24	16.67	16.72	16.96	16.96	1	18			
		12	0	15.72	15.93	16.17	16.09	2	17			
		12	6	15.81	15.87	16.18	16.11	2	17			
		12	13	15.67	15.91	16.04	16.17	2	17			
	64QAM	25	0	15.80	15.87	16.20	16.25	2	17			
		1	0	15.54	15.82	15.87	15.94	2	17			
		1	12	15.56	15.68	15.91	16.02	2	17			
1		24	15.58	15.64	15.85	15.86	2	17				
12		0	14.71	14.91	15.11	15.20	3	16				
12		6	14.80	14.93	15.01	14.98	3	16				

LTE Band 66 (Ant1)									
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up		
		Channel	Frequency (MHz)	132072	132322	132572	3GPP MPR (dB)		
20M	QPSK	1	0	17.74	17.90	17.94	0	18.5	
		1	50	17.90	18.02	18.20	0	18.5	
		1	99	18.01	18.07	18.23	0	18.5	
		50	0	17.69	17.21	17.39	1	17.5	
		50	25	17.06	17.26	17.30	1	17.5	
		50	50	17.10	17.32	17.42	1	17.5	
		100	0	17.12	17.18	17.24	1	17.5	
		1	0	17.40	17.62	17.72	1	17.5	
		1	50	17.27	17.35	17.49	1	17.5	
		1	99	17.48	17.44	17.70	1	17.5	
	16QAM	50	0	16.12	16.28	16.38	2	16.5	
		50	25	16.15	16.17	16.37	2	16.5	
		50	50	16.18	16.16	16.32	2	16.5	
		100	0	16.11	16.15	16.39	2	16.5	
		1	0	17.51	17.57	17.57	2	16.5	
		1	50	17.20	17.22	17.38	2	16.5	
		1	99	17.45	17.43	17.63	2	16.5	
		50	0	16.19	16.33	16.35	3	15.5	
		50	25	16.18	16.12	16.38	3	15.5	
		50	50	16.06	16.22	16.32	3	15.5	
	64QAM	100	0	16.20	16.16	16.42	3	15.5	
		Channel	132047	132322	132597				
		Frequency (MHz)	1717.5	1745	1775.5	3GPP MPR	Max. Tune-up		
		10M	QPSK	1	0	17.68	17.65	17.85	0
1				37	17.83	17.97	18.18	0	18.5
1				74	17.95	18.00	18.18	0	18.5
36				0	17.02	17.16	17.37	1	17.5
36				19	16.88	17.24	17.24	1	17.5
16QAM			36	39	17.02	17.31	17.40	1	17.5
			75	0	17.08	17.13	17.16	1	17.5
	1		0	17.32	17.61	17.70	1	17.5	
	1		37	17.22	17.30	17.45	1	17.5	
	1		74	17.46	17.36	17.69	1	17.5	
64QAM	36	0	16.04	16.24	16.33	2	16.5		
	36	19	16.12	16.11	16.35	2	16.5		
	36	39	16.16	16.09	16.27	2	16.5		
	75	0	16.05	16.07	16.37	2	16.5		
	1	0	17.50	17.55	17.49	2	16.5		
20M	QPSK	1	0	17.17	17.84	17.92	0	18.5	
		1	24	17.88	17.94	18.19	0	18.5	
		1	49	17.93	18.03	18.18	0	18.5	
		25	0	17.06	17.15	17.37	1	17.5	
		25	12	17.04	17.19	17.25	1	17.5	
	16QAM	25	25	17.04	17.24	17.40	1	17.5	
		50	0	17.11	17.16	17.16	1	17.5	
		1	0	17.33	17.54	17.65	1	17.5	
		1	24	17.24	17.29	17.47	1	17.5	
		1	49	17.46	17.37	17.65	1	17.5	
64QAM	25	0	16.06	16.20	16.36	2	16.5		
	25	12	16.13	16.09	16.36	2	16.5		
	25	25	16.10	16.12	16.27	2	16.5		
	50	0	16.09	16.07	16.38	2	16.5		
	1	0	17.43	17.63	17.62	2	16.5		
10M	QPSK	1	0	17.17	17.16	17.36	2	16.5	
		1	49	17.43	17.36	17.58	2	16.5	
		25	0	16.13	16.25	16.33	3	15.5	
		25	12	16.15	16.10	16.30	3	15.5	
		25	25	16.01	16.14	16.26	3	15.5	
	16QAM	50	0	16.13	16.10	16.40	3	15.5	
		1	0	17.50	17.55	17.49	2	16.5	
		1	37	17.15	17.14	17.32	2	16.5	
		1	74	17.44	17.37	17.61	2	16.5	
		36	0	16.14	16.31	16.28	3	15.5	
20M	QPSK	1	0	17.69	17.83	17.89	0	18.5	
		1	12	17.88	17.94	18.19	0	18.5	
		1	24	17.96	17.99	18.22	0	18.5	
		12	0	17.05	17.16	17.34	1	17.5	
		12	6	16.98	17.25	17.25	1	17.5	
	16QAM	12	13	17.06	17.27	17.41	1	17.5	
		25	0	17.06	17.16	17.19	1	17.5	
		1	0	17.33	17.57	17.70	1	17.5	
		1	12	17.19	17.33	17.44	1	17.5	
		1	24	17.46	17.36	17.68	1	17.5	
64QAM	12	0	16.04	16.22	16.30	2	16.5		
	12	6	16.09	16.15	16.31	2	16.5		
	12	13	16.11	16.11	16.30	2	16.5		
	25	0	16.08	16.08	16.24	2	16.5		
	1	0	17.44	17.62	17.55	2	16.5		
10M	QPSK	1	0	17.12	17.20	17.32	2	16.5	
		1	12	17.37	17.42	17.61	2	16.5	
		12	0	16.15	16.48	16.27	3	15.5	
		12	6	16.08	16.11	16.36	3	15.5	
		12	13	16.02	16.17	16.24	3	15.5	
	16QAM	25	0	16.14	16.14	16.39	3	15.5	
		1	0	17.80	17.85	17.49	2	16.5	
		1	7	17.89	18.00	18.15	0	18.5	
		1	14	17.93	18.00	18.21	0	18.5	
		8	0	17.08	17.17	17.36	1	17.5	
20M	QPSK	8	3	17.03	17.25	17.24	1	17.5	
		8	7	17.06	17.27	17.40	1	17.5	
		15	0	17.08	17.18	17.21	1	17.5	
		1	0	17.28	17.54	17.71	1	17.5	
		1	7	17.19	17.31	17.44	1	17.5	
	16QAM	1	14	17.45	17.38	17.68	1	17.5	
		8	0	16.11	16.23	16.30	2	16.5	
		8	3	16.09	16.14	16.33	2	16.5	
		8	7	16.16	16.09	16.27	2	16.5	
		15	0	16.05	16.07	16.37	2	16.5	
30M	QPSK	1	0	17.80	17.85	17.49	2	16.5	
		1	7	17.93	17.92	17.32	2	16.5	
		1	14	17.43	17.42	17.59	2	16.5	
		8	0	16.17	16.25	16.34	3	15.5	
		8	3	16.14	16.04	16.37	3	15.5	
	16QAM	8	7	16.04	16.21	16.28	3	15.5	
		15	0	16.17	16.15	16.36	3	15.5	
		1	0	17.80	17.85	17.49	2	16.5	
		1	7	17.93	17.92	17.32	2	16.5	
		1	14	17.43	17.42	17.59	2	16.5	
40M	QPSK	8	0	16.17	16.25	16.34	3	15.5	
		8	3	16.14	16.04	16.37	3	15.5	
		8	7	16.04	16.21	16.28	3	15.5	
		15	0	16.17	16.15	16.36	3	15.5	
		1	0	17.44	17.62	17.55	2	16.5	
	16QAM	1	2	17.12	17.20	17.33	2	16.5	
		1	5	17.43	17.36	17.69	1	17.5	
		3	0	17.08	17.23	17.33	1	17.5	
		3	1	17.07	17.16	17.34	1	17.5	
		3	3	17.14	17.11	17.31	1	17.5	
64QAM	6	0	16.05	16.13	16.34	2	16.5		
	1	0	17.44	17.62	17.55	2	16.5		
	1	2	17.12	17.20	17.33	2	16.5		
	1	5	17.43	17.36	17.61	2	16.5		
	3	0	17.11	17.27	17.27	2	16.5		
1.4M	QPSK	3	1	17.10	17.10	17.32	2	16.5	
		3	3	17.01	17.14	17.31	2	16.5	
		6	0	16.16	16.11	16.37	3	15.5	
		Channel	131979	132322	132665				
		Frequency (MHz)	1718.5	1745	1773.5	3GPP MPR	Max. Tune-up		
	10M	QPSK	1	0	17.68	17.85	17.93	0	18.5
			1	7	17.89	18.00	18.15	0	18.5
			1	14	17.93	18.00	18.21	0	18.5
			8	0	17.08	17.17	17.36	1	17.5
			8	3	17.03	17.25	17.24	1	17.5
16QAM		8	7	17.06	17.27	17.40	1	17.5	
		15	0	17.08	17.18	17.21	1	17.5	
		1	0	17.28	17.54	17.71	1	17.5	
		1	7	17.19	17.31	17.44	1	17.5	
		1	14	17.45	17.38	17.68	1	17.5	
20M	QPSK	8	0	16.11	16.23	16.30	2	16.5	
		8	3	16.09	16.14	16.33	2	16.5	
		8	7	16.16	16.09	16.27	2	16.5	
		15	0	16.05	16.07	16.37	2	16.5	
		1	0	17.80	17.85	17.49	2	16.5	
	16QAM	1	7	17.93	17.92	17.32	2	16.5	
		1	14	17.43	17.42	17.59	2	16.5	
		8	0	16.17	16.25	16.34	3	15.5	
		8	3	16.14	16.04	16.37	3	15.5	
		8	7	16.04	16.21	16.28	3	15.5	
30M	QPSK	15	0	16.17	16.15	16.36	3	15.5	
		1	0	17.44	17.62	17.55	2	16.5	
		1	2	17.12	17.20	17.33	2	16.5	
		1	5	17.43	17.36	17.69	1	17.5	
		3	0	17.08	17.23	17.33	1	17.5	
	64QAM	3	1	17.07	17.16	17.34	1	17.5	
		3	3	17.14	17.11	17.31	1	17.5	
		6	0	16.05	16.13	16.34	2	16.5	
		1	0	17.44	17.62	17.55	2	16.5	
		1	2	17.12	17.20	17.33	2	16.5	
40M	QPSK	1	5	17.43	17.36	17.61	2	16.5	
		3	0	17.11	17.27	17.27	2	16.5	
		3	1	17.10	17.10	17.32	2	16.5	
		3	3	17.01	17.14	17.31	2	16.5	
		6							

**UL CA**

<b>CA_7C</b>									
<b>Combination 20MHz+20MHz (100RB+100RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Tune up limit (dBm)
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	0	0	1	16.50	17.50
		16QAM	1	99	0	0	1	15.71	16.50
		64QAM	1	99	0	0	1	14.51	15.50
21100	21298	QPSK	1	99	0	0	1	16.55	17.50
		16QAM	1	99	0	0	1	15.58	16.50
		64QAM	1	99	0	0	1	14.68	15.50
21350	21152	QPSK	1	99	0	0	1	16.37	17.50
		16QAM	1	99	0	0	1	15.62	16.50
		64QAM	1	99	0	0	1	14.46	15.50

<b>CA_38C</b>									
<b>Combination 20MHz+20MHz (100RB+100RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	1	0	0	0	1	18.18	19.50
		16QAM	1	0	0	0	1	17.54	18.50
		64QAM	1	0	0	0	1	16.20	17.50
37901	38099	QPSK	1	0	0	0	1	18.08	19.50
		16QAM	1	0	0	0	1	17.26	18.50
		64QAM	1	0	0	0	1	15.96	17.50
38150	37952	QPSK	1	0	0	0	1	17.92	19.50
		16QAM	1	0	0	0	1	17.11	18.50
		64QAM	1	0	0	0	1	16.08	17.50

<b>CA_41C</b>									
<b>Combination 20MHz+20MHz (100RB+100RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	0	0	0	1	18.11	19.50
		16QAM	1	0	0	0	1	17.31	18.50
		64QAM	1	0	0	0	1	15.78	17.50
40185	40383	QPSK	1	0	0	0	1	18.02	19.50
		16QAM	1	0	0	0	1	17.14	18.50
		64QAM	1	0	0	0	1	15.69	17.50
40620	40818	QPSK	1	0	0	0	1	17.89	19.50
		16QAM	1	0	0	0	1	17.15	18.50
		64QAM	1	0	0	0	1	15.52	17.50
41055	41253	QPSK	1	0	0	0	1	17.77	19.50
		16QAM	1	0	0	0	1	17.01	18.50
		64QAM	1	0	0	0	1	15.52	17.50
41490	41292	QPSK	1	0	0	0	1	17.40	19.50
		16QAM	1	0	0	0	1	16.56	18.50
		64QAM	1	0	0	0	1	15.12	17.50

CA_42C Part27									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	0	0	0	1	17.37	19.00
		16QAM	1	0	0	0	1	16.63	18.00
		64QAM	1	0	0	0	1	15.11	17.00
42590	42392	QPSK	1	0	0	0	1	17.53	19.00
		16QAM	1	0	0	0	1	16.62	18.00
		64QAM	1	0	0	0	1	15.04	17.00
42990	42792	QPSK	1	0	0	0	1	17.41	19.00
		16QAM	1	0	0	0	1	16.62	18.00
		64QAM	1	0	0	0	1	15.10	17.00

CA_48C For SAR									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
55340	55538	QPSK	1	0	0	0	1	20.44	22.00
		16QAM	1	0	0	0	1	19.66	21.00
		64QAM	1	0	0	0	1	18.14	20.00
55830	56028	QPSK	1	0	0	0	1	20.29	22.00
		16QAM	1	0	0	0	1	19.51	21.00
		64QAM	1	0	0	0	1	18.08	20.00
56150	56348	QPSK	1	0	0	0	1	20.39	22.00
		16QAM	1	0	0	0	1	19.63	21.00
		64QAM	1	0	0	0	1	18.12	20.00
56640	56442	QPSK	1	0	0	0	1	20.24	22.00
		16QAM	1	0	0	0	1	19.51	21.00
		64QAM	1	0	0	0	1	18.06	20.00



# DL CA

Configure		CA List	PCC						SCC				Power		
			LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
			Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Intra-Band	Contiguous	CA_7C	Band 7	20M	2510	20850	QPSK	1	99	Band 7	20M	2649.8	3048	16.51	16.58
			Band 7	20M	2535	21100	QPSK	1	99	Band 7	20M	2674.8	3298	16.42	16.50
			Band 7	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	16.47	16.52

n2 (SCS 15 kHz)							
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)
		RB Offset	Channel				
		Frequency (MHz)	Frequency (MHz)				
		1	1	16.80	16.82	16.77	17
20M	CP-OFDM QPSK						
				372000	376000	380000	
				1860	1880	1900	
				371900	376000	380500	Max. Tune-up
				1857.5	1880	1902.5	
15M	CP-OFDM QPSK	1	1	16.75	16.78	16.73	17
				371000	376000	381000	Max. Tune-up
				1855	1880	1905	
10M	CP-OFDM QPSK	1	1	16.72	16.79	16.70	17
				370900	376000	381500	Max. Tune-up
				1852.5	1880	1907.5	
5M	CP-OFDM QPSK	1	1	16.77	16.74	16.72	17

n2 (SCS 15 kHz)							
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)
		RB Offset	Channel				
		Frequency (MHz)	Frequency (MHz)				
		1	1	18.19	18.20	18.17	18.5
				372000	376000	380000	
				1860	1880	1900	
				18.19	18.12	18.11	18.5
				53	18.19	18.12	18.11
				104	18.13	18.08	18.08
				0	17.76	17.70	17.60
				50	18.19	18.15	18.11
				56	17.69	17.60	17.66
				0	17.64	17.69	17.67
				1	18.30	18.29	18.29
				53	18.25	18.26	18.22
				104	18.13	18.26	18.16
				0	17.26	17.26	17.20
				28	18.18	18.27	18.25
				56	17.22	17.26	17.21
				0	17.23	17.27	17.18
				1	17.49	17.49	17.51
				1	15.89	15.91	15.80
				1	13.80	13.73	13.74
				371900	376000	380500	Max. Tune-up
				1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	18.22	18.24	18.23	18.5
				371900	376000	381000	Max. Tune-up
				1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	18.19	18.22	18.21	18.5
				370900	376000	381500	Max. Tune-up
				1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	18.24	18.25	18.17	18.5

n7 (SCS 15 kHz)							
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)
		RB Offset	Channel				
		Frequency (MHz)	Frequency (MHz)				
		1	1	15.82	15.85	15.76	
20M	CP-OFDM QPSK						
				502000	507000	512000	
				2510	2535	2560	
				501900	507000	512500	Max. Tune-up
				2507.5	2535	2562.5	
15M	CP-OFDM QPSK	1	1	15.78	15.82	15.80	
				501000	507000	513000	Max. Tune-up
				2505	2535	2565	
10M	CP-OFDM QPSK	1	1	15.77	15.80	15.83	
				500900	507000	513500	Max. Tune-up
				2502.5	2535	2567.5	
5M	CP-OFDM QPSK	1	1	15.73	15.79	16.77	

n7 (SCS 15 kHz)							
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)
		RB Offset	Channel				
		Frequency (MHz)	Frequency (MHz)				
		1	1	17.21	17.20	17.07	17.5
				502000	507000	512000	
				2510	2535	2560	
				17.17	17.07	16.93	17.5
				53	17.17	17.07	16.93
				104	17.09	17.10	17.02
				0	16.66	16.60	16.58
				50	17.12	17.13	16.97
				56	16.58	16.63	16.63
				0	16.65	16.58	16.64
				1	17.24	17.27	17.12
				53	17.13	17.14	17.02
				104	17.05	17.13	16.89
				0	16.15	16.05	16.28
				28	17.18	17.25	17.05
				56	16.23	16.27	16.10
				0	16.34	16.28	16.18
				1	16.33	16.48	16.34
				1	14.60	14.72	14.65
				1	12.62	12.66	12.60
				501900	507000	512500	Max. Tune-up
				2507.5	2535	2562.5	
15M	DFT-s-OFDM QPSK	1	1	17.23	17.21	17.13	17.5
				501900	507000	513000	Max. Tune-up
				2505	2535	2565	
10M	DFT-s-OFDM QPSK	1	1	17.20	17.25	17.07	17.5
				500900	507000	513500	Max. Tune-up
				2502.5	2535	2567.5	
5M	DFT-s-OFDM QPSK	1	1	17.22	17.24	17.1	17.5

n25 (SCS 15 kHz)							
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)
		RB Offset	Channel				
		Frequency (MHz)	Frequency (MHz)				
		1	1	16.82	16.85	16.84	18.5
40M	CP-OFDM QPSK						
				374000	376500	379000	
				1870	1882.5	1895	
				373900	376500	380000	Max. Tune-up
				1868	1882.5	1900	
30M	CP-OFDM QPSK	1	1	16.89	16.88	16.92	18.5
				372900	376500	380500	Max. Tune-up
				1862.5	1882.5	1902.5	
25M	CP-OFDM QPSK	1	1	16.91	16.83	16.89	18.5
				372000	376500	381000	Max. Tune-up
				1860	1882.5	1905	
20M	CP-OFDM QPSK	1	1	16.84	16.89	16.87	18.5
				371900	376500	381500	Max. Tune-up
				1857.5	1882.5	1907.5	
15M	CP-OFDM QPSK	1	1	16.78	16.81	16.88	18.5
				371000	376500	382000	Max. Tune-up
				1855	1882.5	1910	
10M	CP-OFDM QPSK	1	1	16.92	16.95	16.85	18.5
				370900	376500	382500	Max. Tune-up
				1852.5	1882.5	1912.5	
5M	CP-OFDM QPSK	1	1	16.88	16.93	16.91	18.5

n25 (SCS 15 kHz)							
BW	MCS Index	RB Size		Low	Mid	High	Max. Tune-up (dBm)
		RB Offset	Channel				
		Frequency (MHz)	Frequency (MHz)				
		1	1	18.12	18.12	18.11	18.5
				374000	376500	379000	
				1870	1882.5	1895	
				108	18.22	18.21	18.13
				214	18.20	18.15	18.11
				0	17.68	17.66	17.59
				108	18.14	18.04	18.10
				108	17.58	17.60	17.55
				216	17.53	17.61	17.61
				1	18.23	18.31	18.24
				108	18.16	18.14	18.24
				214	18.20	18.24	18.18
				0	17.20	17.16	17.10
				108	18.19	18.22	18.18
				108	17.21	17.23	17.26
				216	17.27	17.29	17.22
				1	17.43	17.53	17.29
				1	15.82	15.89	15.81
				1	13.84	13.88	13.79
				373900	376500	380000	Max. Tune-up
				1865	1882.5	1900	
30M	DFT-s-OFDM QPSK	1	1	18.25	18.26	18.26	18.5
				372900	376500	380500	Max. Tune-up
				1862.5	1882.5	1902.5	
25M	DFT-s-OFDM QPSK	1	1	18.19	18.22	18.22	18.5
				372000	376500	381000	Max. Tune-up
				1860	1882.5	1905	
20M	DFT-s-OFDM QPSK	1	1	18.27	18.25	18.10	18.5
				371900	376500	381500	Max. Tune-up
				1857.5	1882.5	1907.5	
15M	DFT-s-OFDM QPSK	1	1	18.04	18.16	18.17	18.5
				371900	376500	382000	Max. Tune-up
				1855	1882.5	1910	
10M	DFT-s-OFDM QPSK	1	1	18.11	18.09	18.04	18.5
				370900	376500	38	

n38 (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		518004	519000	519996	
		Frequency (MHz)		2590.02	2595	2599.98	
40M	CP-OFDM QPSK	1	1	19.11	19.07	19.02	19.5
BW	MCS Index	Channel		517002	519000	520998	Max. Tune-up
		Frequency (MHz)		2585.01	2595	2604.99	
30M	CP-OFDM QPSK	1	1	19.03	19.11	19.08	19.5
BW	MCS Index	Channel		516504	519000	521496	Max. Tune-up
		Frequency (MHz)		2582.52	2595	2607.48	
20M	CP-OFDM QPSK	1	1	19.04	19.05	19.03	19.5

n38 (SCS 30 kHz)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		518004	519000	519996		
		Frequency (MHz)		2590.02	2595	2599.98		
40M	DFT-s-OFDM Pi/2 BPSK	1	1	20.46	20.36	20.38	21	
		1	53	20.38	20.22	20.22	21	
		1	104	20.35	20.26	20.26	21	
		50	0	19.85	19.81	19.72	21	
		50	28	20.36	20.22	20.26	21	
		50	56	19.80	19.78	19.82	21	
		100	0	19.76	19.75	19.76	21	
		1	1	20.53	20.47	20.51	21	
	DFT-s-OFDM QPSK	1	53	20.47	20.30	20.35	21	
		1	104	20.39	20.36	20.32	21	
		50	0	19.35	19.38	19.34	21	
		50	28	20.35	20.29	20.25	21	
		50	56	19.43	19.37	19.39	21	
		100	0	19.53	19.37	19.36	20	
		DFT-s-OFDM 16QAM	1	1	19.61	19.59	19.55	20
		DFT-s-OFDM 64QAM	1	1	18.00	17.96	17.92	18.5
DFT-s-OFDM 256QAM	1	1	16.11	16.04	16.00	16.5		
BW	MCS Index	Channel		517002	519000	520998	Max. Tune-up	
		Frequency (MHz)		2585.01	2595	2604.99		
30M	DFT-s-OFDM QPSK	1	1	20.49	20.44	20.47	21	
BW	MCS Index	Channel		516504	519000	521496	Max. Tune-up	
		Frequency (MHz)		2582.52	2595	2607.48		
20M	DFT-s-OFDM QPSK	1	1	20.52	20.45	20.37	21	

n41 (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		509202	518598	528000	
		Frequency (MHz)		2546.01	2592.99	2640	
100	CP-OFDM QPSK	1	1	19.05	19.02	19.05	19.5
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up
		Frequency (MHz)		2541	2592.99	2644.98	
90M	CP-OFDM QPSK	1	1	18.99	19.04	19.10	19.5
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up
		Frequency (MHz)		2536.02	2592.99	2649.99	
80M	CP-OFDM QPSK	1	1	19.03	19.09	19.07	19.5
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up
		Frequency (MHz)		2526	2592.99	2659.98	
60M	CP-OFDM QPSK	1	1	19.00	19.01	19.01	19.5
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up
		Frequency (MHz)		2521.02	2592.99	2664.99	
50M	CP-OFDM QPSK	1	1	18.97	18.95	19.04	19.5
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up
		Frequency (MHz)		2516.01	2592.99	2670	
40M	CP-OFDM QPSK	1	1	19.01	18.97	19.05	19.5
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up
		Frequency (MHz)		2511	2592.99	2674.98	
30M	CP-OFDM QPSK	1	1	19.08	18.99	19.02	19.5
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up
		Frequency (MHz)		2506.02	2592.99	2679.99	
20M	CP-OFDM QPSK	1	1	19.05	19.00	19.03	19.5

n41 (SCS 30 kHz)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)	
		Channel		509202	518598	528000		
		Frequency (MHz)		2546.01	2592.99	2640		
100M	DFT-s-OFDM Pi/2 BPSK	1	1	20.53	20.43	20.40	21	
		1	137	20.32	20.17	20.11	21	
		1	271	20.20	20.04	20.09	21	
		135	0	19.95	19.79	19.69	21	
		135	69	20.30	20.22	20.22	21	
		135	138	19.81	19.63	19.63	21	
		270	0	19.85	19.72	19.68	21	
		1	1	20.54	20.50	20.44	21	
	DFT-s-OFDM QPSK	1	137	20.47	20.29	20.32	21	
		1	271	20.18	20.17	20.07	21	
		135	0	19.40	19.31	19.31	21	
		135	69	20.33	20.31	20.19	21	
		135	138	19.21	19.11	19.16	21	
		270	0	19.34	19.24	19.19	20	
		DFT-s-OFDM 16QAM	1	1	19.56	19.51	19.53	20
		DFT-s-OFDM 64QAM	1	1	18.07	18.02	18.05	18.5
DFT-s-OFDM 256QAM	1	1	16.08	16.05	16.07	16.5		
BW	MCS Index	Channel		508200	518598	528996	Max. Tune-up	
		Frequency (MHz)		2541	2592.99	2644.98		
90M	DFT-s-OFDM QPSK	1	1	20.48	20.44	20.42	21	
BW	MCS Index	Channel		507204	518598	529998	Max. Tune-up	
		Frequency (MHz)		2536.02	2592.99	2649.99		
80M	DFT-s-OFDM QPSK	1	1	20.52	20.45	20.46	21	
BW	MCS Index	Channel		505200	518598	531996	Max. Tune-up	
		Frequency (MHz)		2526	2592.99	2659.98		
60M	DFT-s-OFDM QPSK	1	1	20.47	20.44	20.33	21	
BW	MCS Index	Channel		504204	518598	532998	Max. Tune-up	
		Frequency (MHz)		2521.02	2592.99	2664.99		
50M	DFT-s-OFDM QPSK	1	1	20.44	20.47	20.34	21	
BW	MCS Index	Channel		503202	518598	534000	Max. Tune-up	
		Frequency (MHz)		2516.01	2592.99	2670		
40M	DFT-s-OFDM QPSK	1	1	20.50	20.39	20.37	21	
BW	MCS Index	Channel		502200	518598	534996	Max. Tune-up	
		Frequency (MHz)		2511	2592.99	2674.98		
30M	DFT-s-OFDM QPSK	1	1	20.41	20.42	20.32	21	
BW	MCS Index	Channel		501204	518598	535998	Max. Tune-up	
		Frequency (MHz)		2506.02	2592.99	2679.99		
20M	DFT-s-OFDM QPSK	1	1	20.42	20.45	20.29	21	

n48(SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	CP-OFDM QPSK	1	1	19.79	19.82	19.80	20
BW	MCS Index	Channel		637334	641666	646000	Max. Tune-up
		Frequency (MHz)		3560.01	3624.99	3690	
20M	CP-OFDM QPSK	1	1	19.76	19.80	19.82	20
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	CP-OFDM QPSK	1	1	19.73	19.78	19.78	20

n48 (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		638000	641666	645332	
		Frequency (MHz)		3570	3624.99	3679.98	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	21.24	21.29	21.25	21.5
		1	53	21.09	21.14	21.11	21.5
		1	104	21.03	21.19	21.16	21.5
		50	0	20.70	20.79	20.72	21.5
		50	28	20.98	21.12	21.06	21.5
		50	56	20.64	20.74	20.76	21.5
	100	0	20.63	20.75	20.69	21.5	
	DFT-s-OFDM QPSK	1	1	21.27	21.34	21.33	21.5
		1	53	21.00	21.07	21.07	21.5
		1	104	21.00	21.19	21.09	21.5
		50	0	20.14	20.16	20.25	21.5
		50	28	21.05	21.19	21.13	21.5
		50	56	20.13	20.27	20.23	21.5
	100	0	20.09	20.12	20.12	20.5	
	DFT-s-OFDM 16QAM	1	1	20.50	20.53	20.50	21
	DFT-s-OFDM 64QAM	1	1	19.02	19.04	19.00	19.5
	DFT-s-OFDM 256QAM	1	1	17.11	17.19	17.08	17.5
	BW	MCS Index	Channel		637334	641666	646000
Frequency (MHz)			3560.01	3624.99	3690		
20M	DFT-s-OFDM QPSK	1	1	21.22	21.30	21.29	21.5
BW	MCS Index	Channel		637000	641666	646332	Max. Tune-up
		Frequency (MHz)		3555	3624.99	3694.98	
10M	DFT-s-OFDM QPSK	1	1	21.26	21.27	21.24	21.5

n66 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	CP-OFDM QPSK	1	1	16.75	16.71	16.70	17
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	CP-OFDM QPSK	1	1	16.81	16.73	16.66	17
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	CP-OFDM QPSK	1	1	16.77	16.77	16.59	17
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	CP-OFDM QPSK	1	1	16.78	16.69	16.78	17
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	CP-OFDM QPSK	1	1	16.71	16.71	16.72	17
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	CP-OFDM QPSK	1	1	16.85	16.74	16.60	17

n66 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		346000	349000	352000	
		Frequency (MHz)		1730	1745	1760	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	18.23	18.09	18.18	18.5
		1	108	18.22	18.09	18.20	18.5
		1	214	18.26	18.17	18.20	18.5
		108	0	17.66	17.58	17.57	18.5
		108	54	18.24	18.14	18.23	18.5
		108	108	17.83	17.69	17.78	18.5
	216	0	17.78	17.65	17.76	18.5	
	DFT-s-OFDM QPSK	1	1	18.34	18.17	18.33	18.5
		1	108	18.31	18.23	18.32	18.5
		1	214	18.19	18.21	18.30	18.5
		108	0	17.18	17.10	17.19	18.5
		108	54	18.29	18.21	18.27	18.5
		108	108	17.36	17.22	17.31	18.5
	216	0	17.33	17.20	17.31	17.5	
	DFT-s-OFDM 16QAM	1	1	17.55	17.58	17.56	18
	DFT-s-OFDM 64QAM	1	1	16.00	16.01	16.03	16.5
	DFT-s-OFDM 256QAM	1	1	13.85	13.88	13.91	14.5
	BW	MCS Index	Channel		345000	349000	353000
Frequency (MHz)			1725	1745	1765		
30M	DFT-s-OFDM QPSK	1	1	18.29	18.21	18.30	18.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	18.23	18.23	18.26	18.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	18.27	18.16	18.17	18.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	18.30	18.19	18.22	18.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	18.29	18.22	18.26	18.5

n77 Part27Q (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Mid			Max. Tune-up (dBm)
		Channel		633334	3500.01		
		Frequency (MHz)					
100M	CP-OFDM QPSK	1	1	19.11			19.5
BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
		Frequency (MHz)		3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	19.00	19.02	19.08	19.5
BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
		Frequency (MHz)		3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	19.01	19.07	19.00	19.5
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up
		Frequency (MHz)		3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	1	19.06	19.03	18.99	19.5
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up
		Frequency (MHz)		3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	19.02	19.12	19.02	19.5
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up
		Frequency (MHz)		3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	1	19.03	19.08	19.05	19.5
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up
		Frequency (MHz)		3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	19.09	19.02	19.01	19.5

n77 Part27Q (SCS 30 kHz)								
BW	MCS Index	RB Size	RB Offset	Mid			Max. Tune-up (dBm)	
		Channel		633334	3500.01			
		Frequency (MHz)						
100M	DFT-s-OFDM P1/2 BPSK	1	1		20.52		21	
		1	137		20.22		21	
		1	271		20.31		21	
		135	0		19.86		21	
		135	69		20.20		21	
		135	138		19.81		21	
		270	0		19.81		21	
	DFT-s-OFDM QPSK	1	1		20.56		21	
		1	137		20.13		21	
		1	271		20.24		21	
		135	0		19.68		21	
		135	69		20.09		21	
		135	138		19.41		21	
		270	0		19.38		20	
	DFT-s-OFDM 16QAM	1	1		19.47		20	
	DFT-s-OFDM 64QAM	1	1		18.00		18.5	
	DFT-s-OFDM 256QAM	1	1		15.59		16.5	
	BW	MCS Index	Channel		632668	633334	634000	Max. Tune-up
			Frequency (MHz)		3490.02	3500.01	3510	
	80M	DFT-s-OFDM QPSK	1	1	20.43	20.52	20.44	21
	BW	MCS Index	Channel		632000	633334	634666	Max. Tune-up
Frequency (MHz)			3480	3500.01	3519.99			
60M	DFT-s-OFDM QPSK	1	1	20.41	20.54	20.49	21	
BW	MCS Index	Channel		631668	633334	634998	Max. Tune-up	
		Frequency (MHz)		3475.02	3500.01	3524.97		
50M	DFT-s-OFDM QPSK	1	1	20.45	20.51	20.40	21	
BW	MCS Index	Channel		631334	633334	635332	Max. Tune-up	
		Frequency (MHz)		3470.01	3500.01	3529.98		
40M	DFT-s-OFDM QPSK	1	1	20.39	20.49	20.37	21	
BW	MCS Index	Channel		631002	633334	635664	Max. Tune-up	
		Frequency (MHz)		3465.03	3500.01	3534.96		
30M	DFT-s-OFDM QPSK	1	1	20.35	20.53	20.43	21	
BW	MCS Index	Channel		630668	633334	636000	Max. Tune-up	
		Frequency (MHz)		3460.02	3500.01	3540		
20M	DFT-s-OFDM QPSK	1	1	20.32	20.45	20.47	21	

n77 Part27O (SCS 30 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		650000	656000	662000	
		Frequency (MHz)		3750	3840	3930	
100M	CP-OFDM QPSK	1	1	18.95	18.99	19.02	19.5
BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
		Frequency (MHz)		3740.01	3840	3939.99	
80M	CP-OFDM QPSK	1	1	18.99	19.02	19.00	19.5
BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
		Frequency (MHz)		3730.02	3840	3949.98	
60M	CP-OFDM QPSK	1	1	18.97	19.03	18.95	19.5
BW	MCS Index	Channel		648336	656000	663666	Max. Tune-up
		Frequency (MHz)		3725.04	3840	3954.99	
50M	CP-OFDM QPSK	1	1	19.01	19.01	19.07	19.5
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up
		Frequency (MHz)		3720	3840	3960	
40M	CP-OFDM QPSK	1	1	18.95	18.97	19.03	19.5
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up
		Frequency (MHz)		3715.05	3840	3964.98	
30M	CP-OFDM QPSK	1	1	19.03	18.93	19.05	19.5
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up
		Frequency (MHz)		3710.01	3840	3969.99	
20M	CP-OFDM QPSK	1	1	19.00	19.02	18.97	19.5

n77 Part27O (SCS 30 kHz)								
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	20.20	20.32	20.36	21	
		1	137	20.32	20.44	20.48	21	
		1	271	20.26	20.38	20.42	21	
		135	0	19.80	19.92	19.96	21	
		135	69	20.33	20.45	20.49	21	
		135	138	19.79	19.91	19.95	21	
		270	0	19.82	19.94	19.98	21	
	DFT-s-OFDM QPSK	1	1	20.41	20.47	20.58	21	
		1	137	20.42	20.44	20.58	21	
		1	271	20.31	20.49	20.46	21	
		135	0	19.32	19.44	19.48	21	
		135	69	20.33	20.45	20.49	21	
		135	138	19.32	19.44	19.48	21	
		270	0	19.33	19.45	19.49	20	
	DFT-s-OFDM 16QAM	1	1	19.33	19.41	19.45	20	
	DFT-s-OFDM 64QAM	1	1	18.00	17.98	18.02	18.5	
	DFT-s-OFDM 256QAM	1	1	15.56	15.61	15.66	16.5	
	BW	MCS Index	Channel		649334	656000	662666	Max. Tune-up
			Frequency (MHz)		3740.01	3840	3939.99	
	80M	DFT-s-OFDM QPSK	1	1	20.37	20.42	20.49	21
	BW	MCS Index	Channel		648668	656000	663332	Max. Tune-up
Frequency (MHz)			3730.02	3840	3949.98			
60M	DFT-s-OFDM QPSK	1	1	20.35	20.39	20.44	21	
BW	MCS Index	Channel		648336	656000	663666	Max. Tune-up	
		Frequency (MHz)		3725.04	3840	3954.99		
50M	DFT-s-OFDM QPSK	1	1	20.32	20.43	20.47	21	
BW	MCS Index	Channel		648000	656000	664000	Max. Tune-up	
		Frequency (MHz)		3720	3840	3960		
40M	DFT-s-OFDM QPSK	1	1	20.39	20.45	20.44	21	
BW	MCS Index	Channel		647670	656000	664332	Max. Tune-up	
		Frequency (MHz)		3715.05	3840	3964.98		
30M	DFT-s-OFDM QPSK	1	1	20.33	20.35	20.49	21	
BW	MCS Index	Channel		647334	656000	664666	Max. Tune-up	
		Frequency (MHz)		3710.01	3840	3969.99		
20M	DFT-s-OFDM QPSK	1	1	20.38	20.33	20.51	21	

n78 (SCS 30 kHz)								
BW	MCS Index	RB Size	RB Offset				Max. Tune-up (dBm)	
		Channel			Mid			
		Frequency (MHz)			3500.01			
100M	CP-OFDM QPSK	1	1		19.07		19.5	
BW	MCS Index	Channel			633000	633334	633666	Max. Tune-up
		Frequency (MHz)			3495	3500.01	3504.99	
90M	CP-OFDM QPSK	1	1	19.02	19.06	19.04	19.5	
BW	MCS Index	Channel			632668	633334	634000	Max. Tune-up
		Frequency (MHz)			3490.02	3500.01	3510	
80M	CP-OFDM QPSK	1	1	18.96	19.01	19.01	19.5	
BW	MCS Index	Channel			632000	633334	634666	Max. Tune-up
		Frequency (MHz)			3480	3500.01	3519.99	
60M	CP-OFDM QPSK	1	1	18.98	19.09	18.99	19.5	
BW	MCS Index	Channel			631668	633334	634998	Max. Tune-up
		Frequency (MHz)			3475.02	3500.01	3524.97	
50M	CP-OFDM QPSK	1	1	19.00	19.08	19.03	19.5	
BW	MCS Index	Channel			631334	633334	635332	Max. Tune-up
		Frequency (MHz)			3470.01	3500.01	3529.98	
40M	CP-OFDM QPSK	1	1	18.97	18.97	18.97	19.5	
BW	MCS Index	Channel			631002	633334	635664	Max. Tune-up
		Frequency (MHz)			3465.03	3500.01	3534.96	
30M	CP-OFDM QPSK	1	1	19.03	19.03	18.98	19.5	
BW	MCS Index	Channel			630668	633334	636000	Max. Tune-up
		Frequency (MHz)			3460.02	3500.01	3540	
20M	CP-OFDM QPSK	1	1	19.01	19.01	18.99	19.5	

n78 (SCS 30 kHz)									
BW	MCS Index	RB Size	RB Offset				Max. Tune-up (dBm)		
		Channel			Mid				
		Frequency (MHz)			3500.01				
100M	DFT-s-OFDM Pi/2 BPSK	1	1		20.42		21		
		1	137		20.19		21		
		1	271		20.11		21		
		135	0		19.80		21		
		135	69		20.20		21		
		135	138		19.73		21		
		270	0		19.71		21		
		1	1		20.45		21		
		1	137		20.20		21		
		1	271		20.09		21		
	DFT-s-OFDM QPSK	135	0		19.52		21		
		135	69		20.32		21		
		135	138		19.30		21		
		270	0		19.30		20		
		DFT-s-OFDM 16QAM	1	1		19.29		20	
		DFT-s-OFDM 64QAM	1	1		17.91		18.5	
		DFT-s-OFDM 256QAM	1	1		15.55		16.5	
		BW	MCS Index	Channel			633000	633334	633666
	Frequency (MHz)			3495	3500.01	3504.99			
	90M	DFT-s-OFDM QPSK	1	1	20.40	20.43	20.39	21	
BW	MCS Index	Channel			632668	633334	634000	Max. Tune-up	
		Frequency (MHz)			3490.02	3500.01	3510		
80M	DFT-s-OFDM QPSK	1	1	20.35	20.39	20.44	21		
BW	MCS Index	Channel			632000	633334	634666	Max. Tune-up	
		Frequency (MHz)			3480	3500.01	3519.99		
60M	DFT-s-OFDM QPSK	1	1	20.37	20.44	20.42	21		
BW	MCS Index	Channel			631668	633334	634998	Max. Tune-up	
		Frequency (MHz)			3475.02	3500.01	3524.97		
50M	DFT-s-OFDM QPSK	1	1	20.32	20.37	20.38	21		
BW	MCS Index	Channel			631334	633334	635332	Max. Tune-up	
		Frequency (MHz)			3470.01	3500.01	3529.98		
40M	DFT-s-OFDM QPSK	1	1	20.39	20.38	20.35	21		
BW	MCS Index	Channel			631002	633334	635664	Max. Tune-up	
		Frequency (MHz)			3465.03	3500.01	3534.96		
30M	DFT-s-OFDM QPSK	1	1	20.41	20.41	20.37	21		
BW	MCS Index	Channel			630668	633334	636000	Max. Tune-up	
		Frequency (MHz)			3460.02	3500.01	3540		
20M	DFT-s-OFDM QPSK	1	1	20.40	20.44	20.39	21		

WWAN Reduce Power 3

LTE Band 2 (Ant1)																	
BW	MCS Index	RB Size	RB Offset	Channel			SOPP MPR (dB)	Max. Time-up (dB)									
				Low	Mid	High			Low	Mid	High						
OPK8	1	1	0	1984	19.83	19.77	0	21	1	0	19.84	19.83	19.77	0	21		
				50	50	19.81	19.50	19.68	0	21	1	50	19.79	19.69	19.63	0	21
		50	25	19.12	18.84	18.87	1	20	1	0	19.13	18.98	18.91	1	20		
									50	50	18.93	18.74	18.89	1	20		
		100	0	19.15	18.96	18.93	1	20	1	0	19.16	19.06	19.01	1	20		
									50	50	19.11	18.95	18.98	1	20		
		100	1	0	19.03	18.81	18.90	1	20	1	0	19.04	18.92	18.92	1	20	
										50	50	18.99	18.89	18.96	1	20	
		20M	16QAM	50	0	1920	19.20	19.20	2	19	1	0	19.21	19.20	19.20	2	19
						50	50	19.17	18.98	19.07	2	19					
50	25			18.07	17.76	17.94	2	19	1	0	18.08	17.92	17.92	2	19		
									50	50	17.86	17.85	17.79	2	19		
100	0			18.06	17.77	17.95	2	19	1	0	18.06	17.92	17.92	2	19		
									50	50	18.08	17.99	17.97	2	19		
100	1			0	18.08	17.78	17.97	2	19	1	0	18.09	17.92	17.92	2	19	
										50	50	18.06	17.95	17.93	2	19	
64QAM	16QAM			1	0	17.88	17.72	17.60	2	19	1	0	17.89	17.72	17.72	2	19
						50	50	17.91	17.81	17.93	2	19					
		50	0	17.13	16.91	16.91	3	18	1	0	17.13	16.91	16.91	3	18		
									50	50	17.13	16.91	16.91	3	18		
		50	25	16.32	16.25	16.07	3	18	1	0	16.33	16.25	16.25	3	18		
									50	50	16.32	16.25	16.25	3	18		
		50	50	16.46	16.30	16.36	3	18	1	0	16.47	16.30	16.30	3	18		
									50	50	16.46	16.30	16.36	3	18		
		100	0	17.05	16.77	16.86	3	18	1	0	17.05	16.77	16.77	3	18		
									50	50	17.05	16.77	16.86	3	18		

LTE Band 4 (Ant1)																	
BW	MCS Index	RB Size	RB Offset	Channel			SOPP MPR (dB)	Max. Time-up (dB)									
				Low	Mid	High			Low	Mid	High						
OPK8	1	1	0	1928	19.27	19.20	0	21	1	0	19.28	19.27	19.20	0	21		
				50	50	19.27	19.27	19.27	0	21							
		50	25	18.73	18.85	19.10	1	20	1	0	18.73	18.85	19.10	1	20		
									50	50	18.82	18.86	19.03	1	20		
		100	0	18.80	18.82	18.82	1	20	1	0	18.80	18.82	18.82	1	20		
									50	50	19.08	19.16	19.27	1	20		
		100	1	0	18.89	19.07	19.20	1	20	1	0	18.89	19.07	19.20	1	20	
										50	50	19.02	19.00	19.29	1	20	
		20M	16QAM	50	0	17.86	17.86	18.02	2	19	1	0	17.86	17.86	18.02	2	19
						50	50	17.86	17.86	17.95	2	19					
100	0			17.84	17.84	18.07	2	19	1	0	17.84	17.84	18.07	2	19		
									50	50	17.86	17.86	18.15	2	19		
100	1			0	18.05	18.11	18.38	2	19	1	0	18.05	18.11	18.38	2	19	
										50	50	18.15	18.23	18.28	2	19	
50	0			16.69	16.77	16.06	3	18	1	0	16.69	16.77	16.06	3	18		
									50	50	16.87	16.99	17.08	3	18		
50	25			16.87	16.79	17.08	3	18	1	0	16.87	16.79	17.08	3	18		
									50	50	16.87	16.79	17.08	3	18		
100	0	16.87	16.85	17.14	3	18	1	0	16.87	16.85	17.14	3	18				
							50	50	16.87	16.85	17.14	3	18				

LTE Band 7 (Ant1)																	
BW	MCS Index	RB Size	RB Offset	Channel			SOPP MPR (dB)	Max. Time-up (dB)									
				Low	Mid	High			Low	Mid	High						
OPK8	1	1	0	2007	20.07	20.02	0	21	1	0	20.07	20.07	20.02	0	21		
				50	50	19.98	19.93	19.94	0	21							
		50	25	19.19	19.18	19.18	1	20	1	0	19.19	19.18	19.18	1	20		
									50	50	19.21	19.11	19.17	1	20		
		100	0	19.16	19.16	19.14	1	20	1	0	19.16	19.16	19.14	1	20		
									50	50	19.21	19.11	19.17	1	20		
		100	1	0	19.07	19.07	19.05	1	20	1	0	19.07	19.07	19.05	1	20	
										50	50	19.22	19.15	19.18	1	20	
		20M	16QAM	50	0	18.16	18.07	18.07	2	19	1	0	18.16	18.07	18.07	2	19
						50	50	18.20	18.14	18.19	2	19					
50	25			18.24	18.19	18.12	2	19	1	0	18.24	18.19	18.12	2	19		
									50	50	18.22	18.15	18.16	2	19		
100	0			18.22	18.15	18.16	2	19	1	0	18.22	18.15	18.16	2	19		
									50	50	18.22	18.15	18.16	2	19		
100	1			0	19.01	19.01	19.04	2	19	1	0	19.01	19.01	19.04	2	19	
										50	50	19.11	19.02	19.03	2	19	
1	0			19.19	19.13	19.15	2	19	1	0	19.19	19.13	19.15	2	19		
									50	50	19.24	19.13	19.15	2	19		
64QAM	16QAM	1	0	18.22	18.12	18.14	3	18	1	0	18.22	18.12	18.14	3	18		
				50	50	18.22	18.12	18.14	3	18							
		50	25	18.19	18.13	18.14	3	18	1	0	18.19	18.13	18.14	3	18		
									50	50	18.24	18.21	18.17	3	18		
		50	50	18.24	18.21	18.17	3	18	1	0	18.24	18.21	18.17	3	18		
									50	50	18.24	18.21	18.17	3	18		
		100	0	18.22	18.12	18.14	3	18	1	0	18.22	18.12	18.14	3	18		
									50	50	18.22	18.12	18.14	3	18		

WWAN Reduce Power 4

LTE Band 2 (Ant2)																	
BW	MCS Index	RB Size	RB Offset	Channel			SOPP MPR (dB)	Max. Time-up (dB)									
				Low	Mid	High			Low	Mid	High						
OPK8	1	1	0	1984	19.83	19.77	0	21	1	0	19.84	19.83	19.77	0	21		
				50	50	19.81	19.50	19.68	0	21							
		50	25	19.12	18.84	18.87	1	20	1	0	19.13	18.98	18.91	1	20		
									50	50	18.93	18.74	18.89	1	20		
		100	0	19.15	18.96	18.93	1	20	1	0	19.16	19.06	19.01	1	20		
									50	50	19.11	18.95	18.98	1	20		
		100	1	0	19.03	18.81	18.90	1	20	1	0	19.04	18.92	18.92	1	20	
										50	50	18.99	18.89	18.96	1	20	
		20M	16QAM	50	0	1920	19.20	19.20	2	19	1	0	19.21	19.20	19.20	2	19
						50	50	19.17	18.98	19.07	2	19					
50	25			18.07	17.76	17.94	2	19	1	0	18.08	17.92	17.92	2	19		
									50	50	17.86	17.85	17.79	2	19		
100	0			18.06	17.77	17.95	2	19	1	0	18.06	17.92	17.92	2	19		
									50	50	18.08	17.99	17.97	2	19		
100	1			0	18.08	17.78	17.97	2	19	1	0	18.09	17.92	17.92	2	19	
										50	50	18.06	17.95	17.93	2	19	
64QAM	16QAM			1	0	17.88	17.72	17.60	2	19	1	0	17.89	17.72	17.72	2	19
						50	50	17.91	17.81	17.93	2	19					
		50	0	17.13	16.91	16.91	3	18	1	0	17.13	16.91	16.91	3	18		
									50	50	17.13	16.91	16.91	3	18		
		50	25	16.32	16.25	16.07	3	18	1	0	16.33	16.25	16.25	3	18		
									50	50	16.32	16.25	16.25	3	18		
		50	50	16.46	16.30	16.36	3	18	1	0	16.47	16.30	16.30	3	18		
									50	50	16.46	16.30	16.36	3	18		
		100	0	17.05	16.77	16.86	3	18	1	0	17.05	16.77	16.77	3	18		
									50	50	17.05	16.77	16.86	3	18		

LTE Band 4 (Ant2)															
BW	MCS Index	RB Size	RB Offset	Channel			SOPP MPR (dB)	Max. Time-up (dB)							
				Low	Mid	High			Low	Mid	High				
OPK8	1	1	0	1928	19.27	19.20	0	21	1	0	19.28	19.27	19.20	0	21
				50	50	19.27	19.27	19.27	0	21					
		50	25	18.73	18.85	19.10	1	20	1	0	18.73	18.85	19.10	1	20
									50	50	18.82	18.86	19.03	1	20
		100	0	18.80	18.82	18.82	1	20	1	0	18.80	18.82			

LTE Band 25 (Ant1)										
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (MHz)		
				26140	26340	26550				
		Channel		1865	1865	1865				
		Frequency (MHz)		1865	1865	1865				
20M	QPSK	1	0	19.05	19.05	20.01	0	21		
		1	50	20.02	19.97	19.89	0	21		
		1	99	19.83	19.82	19.90	0	21		
		50	0	19.23	19.11	19.11	0	20		
		50	25	19.24	19.22	19.18	1	20		
	16QAM	16QAM	50	50	19.15	19.10	19.14	1	20	
			100	0	19.16	19.21	19.17	1	20	
			1	0	19.41	19.26	19.38	1	20	
			1	50	19.16	19.21	19.17	1	20	
			1	99	19.23	19.14	19.20	1	20	
64QAM		64QAM	50	0	18.25	18.14	18.06	2	19	
			50	25	18.16	18.21	18.17	2	19	
			50	50	18.19	18.06	18.06	2	19	
			100	0	18.14	18.07	18.17	2	19	
			1	0	18.54	18.49	18.35	2	19	
		64QAM	1	50	18.34	18.29	18.31	2	19	
			1	99	18.36	18.35	18.27	2	19	
			50	0	17.16	17.01	17.13	3	18	
			50	25	17.15	17.18	17.14	3	18	
			50	50	17.17	17.02	17.14	3	18	
Channel										
Frequency (MHz)										
		26115		26340	26415	3GPP MPR	Max. Tune-up			
		18975		1885	1897.5					
15M		QPSK	1	0	19.09	19.09	20.03	0	21	
	1		37	20.01	19.95	19.84	0	21		
	1		74	19.75	19.75	19.68	0	21		
	36		0	19.19	19.07	19.08	1	20		
	36		19	19.21	19.21	19.13	1	20		
	36		39	19.11	19.05	19.12	1	20		
	75		0	19.10	19.19	19.14	1	20		
	1		0	19.39	19.18	19.37	1	20		
	1		37	19.08	19.17	19.12	1	20		
	1		74	19.20	19.08	19.18	1	20		
	16QAM	16QAM	36	0	18.24	18.09	17.98	2	19	
			36	19	18.12	18.18	18.13	2	19	
			36	39	18.17	17.89	18.03	2	19	
			75	0	18.08	17.99	18.15	2	19	
			1	0	18.53	18.47	18.27	2	19	
		64QAM	64QAM	1	37	18.27	18.21	18.25	2	19
				1	74	18.34	18.34	18.23	2	19
				36	0	17.14	16.93	17.12	3	18
				36	19	17.09	17.15	17.10	3	18
				36	39	17.15	16.94	17.12	3	18
Channel										
Frequency (MHz)										
			26090		26340	26340	3GPP MPR	Max. Tune-up		
			1885		1885	1919				
10M	QPSK		1	0	19.09	19.07	19.99	0	21	
		1	24	20.01	19.95	19.81	0	21		
		1	49	19.76	19.74	19.84	0	21		
		25	0	19.17	19.05	19.09	1	20		
		25	12	19.22	19.15	19.13	1	20		
		25	25	19.09	19.02	19.12	1	20		
		50	0	19.14	19.13	19.16	1	20		
		1	0	19.33	19.22	19.33	1	20		
		1	24	19.14	19.13	19.16	1	20		
		1	49	19.15	19.10	19.23	1	20		
	16QAM	16QAM	25	0	18.22	18.08	18.04	2	19	
			25	12	18.16	18.14	18.12	2	19	
			25	25	18.13	17.98	18.06	2	19	
			50	0	18.13	18.05	18.09	2	19	
			1	0	18.49	18.41	18.29	2	19	
		64QAM	64QAM	1	24	18.33	18.23	18.29	2	19
				1	49	18.39	18.27	18.25	2	19
				25	0	17.08	16.97	17.08	3	18
				25	12	17.12	17.12	17.12	3	18
				25	25	17.14	16.96	17.12	3	18
Channel										
Frequency (MHz)										
			26095		26340	26345	3GPP MPR	Max. Tune-up		
			1885.5		1885	1912.5				
5M	QPSK		1	0	19.07	19.04	19.96	0	21	
		1	12	19.98	19.92	19.88	0	21		
		1	24	19.77	19.80	19.85	0	21		
		12	0	19.13	19.08	19.09	1	20		
		12	6	19.18	19.20	19.13	1	20		
		12	13	19.13	19.02	19.12	1	20		
		25	0	19.08	19.15	19.09	1	20		
		1	0	19.35	19.24	19.32	1	20		
		1	12	19.09	19.16	19.15	1	20		
		1	24	19.17	19.07	19.15	1	20		
	16QAM	16QAM	12	0	18.10	18.09	18.04	2	19	
			12	6	18.10	18.10	18.11	2	19	
			12	13	18.11	18.05	18.06	2	19	
			25	0	18.10	18.02	18.09	2	19	
			1	0	18.46	18.46	18.33	2	19	
		64QAM	64QAM	1	12	18.30	18.24	18.23	2	19
				1	24	18.30	18.33	18.24	2	19
				12	0	17.08	16.99	17.08	3	18
				12	6	17.07	17.17	17.12	3	18
				12	13	17.10	16.97	17.12	3	18
Channel										
Frequency (MHz)										
			26095		26340	26375	3GPP MPR	Max. Tune-up		
			1885.5		1885	1914.5				
3M	QPSK		1	0	19.99	19.88	19.96	0	21	
		1	7	19.95	19.82	19.87	0	21		
		1	14	19.75	19.80	19.84	0	21		
		8	0	19.12	19.10	19.09	1	20		
		8	3	19.20	19.17	19.10	1	20		
		8	7	19.07	19.09	19.12	1	20		
		15	0	19.11	19.16	19.13	1	20		
		1	0	19.39	19.16	19.37	1	20		
		1	7	19.08	19.17	19.12	1	20		
		1	14	19.20	19.08	19.18	1	20		
	16QAM	16QAM	8	0	18.23	18.07	18.01	2	19	
			8	3	18.12	18.13	18.15	2	19	
			8	7	18.18	18.04	18.00	2	19	
			15	0	18.09	17.99	18.11	2	19	
			1	0	18.53	18.49	18.33	2	19	
		64QAM	64QAM	1	7	18.29	18.27	18.24	2	19
				1	14	18.34	18.27	18.26	2	19
				8	0	17.08	16.97	17.08	3	18
				8	3	17.13	17.10	17.13	3	18
				8	7	17.09	17.01	17.12	3	18
Channel										
Frequency (MHz)										
			26847		26840	26883	3GPP MPR	Max. Tune-up		
			1892.7		1885	1914.3				
1.4M	QPSK		1	0	20.04	19.93	19.93	0	21	
		1	2	19.97	19.89	19.83	0	21		
		1	5	19.82	19.76	19.88	0	21		
		3	0	19.65	19.54	19.56	0	21		
		3	1	19.72	19.64	19.66	0	21		
		3	3	19.60	19.52	19.63	0	21		
		6	0	19.12	19.16	19.12	1	20		
		1	0	19.33	19.25	19.33	1	20		
		1	2	19.12	19.16	19.16	1	20		
		1	5	19.17	19.12	19.15	1	20		
	16QAM	16QAM	3	0	19.18	19.09	19.04	1	20	
			3	1	19.10	19.19	19.12	1	20	
			3	3	19.17	19.08	19.06	1	20	
			6	0	18.06	18.01	18.09	2	19	
			1	0	18.48	18.47	18.29	2	19	
		64QAM	64QAM	1	2	18.29	18.21	18.30	2	19
				1	5	18.32	18.30	18.22	2	19
				3	0	18.08	17.95	18.05	2	19
				3	1	18.13	18.10	18.12	2	19
				3	3	18.16	17.96	18.13	2	19
Channel										
Frequency (MHz)										
			26847		26840	26883	3GPP MPR	Max. Tune-up		
			1892.7		1885	1914.3				

LTE Band 38 (Ant1)									
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (MHz)	
				37850	38000	38150			
		Channel		2595	2595	2619			
		Frequency (MHz)		2595	2595	2619			
20M	QPSK	1	0	19.73	19.46	19.48	0	21	
		1	50	19.61	19.30	19.28	0	21	
		1	99	19.55	19.30	19.36	0	21	
		50	0	19.71	19.48	19.30	1	20	
		50	25	19.64	19.41	19.39	1	20	
	16QAM	16QAM	50	50	19.66	19.39	19.41	1	20
			100	0	19.74	19.43	19.41	1	20
			1	0	19.80	19.55	19.61	1	20
			1	50	19.80	19.47	19.55	1	20
			1	99	19.66	19.53	19.45	1	20
64QAM		64QAM	50	0	17.73	17.40	17.48	2	19
			50	25	17.67	17.54	17.46	2	19
			50	50	17.70	17.43	17.45	2	19
			100	0	17.78	17.47	17.45	2	19
			1	0	17.40	17.15	17.21	2	19
		64QAM	1	50	17.48	17.25	17.07	2	19
			1	99	17.44	17.17	17.15	2	19
			50	0	16.72	16.41	16.43	3	18
			50	25	16.63	16.60	16.42	3	18
			50	50	16.77	16.54	16.36	3	18
Channel									
Frequency (MHz)									
		37825		38000	38175	3GPP MPR	Max. Tune-up		
		2577.5		2595	2612.5				
15M		QPSK	1	0	19.79	19.40	19.46	0	21
	1		37	19.5					



LTE Band 41 (2496 – 2690MHz) (Ant1)											
BW	MCS Index	RB Size	RB Offset	Channel						3GPP MPR (dB)	Max. Time-up (dBm)
				Low	Mid	High Mid	High	3999	4199		
Channel		2496	2545	2593	2642	2690	2739	2788	2837	2886	
Frequency (MHz)		2496	2545	2593	2642	2690	2739	2788	2837	2886	
20M	QPSK	1	0	19.85	19.90	19.96	19.91	19.34	0	21	
		1	50	19.45	19.58	19.26	19.05	19.08	0	21	
		1	99	19.08	19.69	19.37	19.16	19.07	0	21	
		50	0	19.62	19.81	18.62	18.40	18.29	1	20	
		50	25	18.62	18.91	18.69	18.50	18.29	1	20	
		50	50	18.61	18.74	18.58	18.35	18.32	1	20	
	16QAM	100	0	18.82	18.87	18.56	18.36	18.31	2	19	
		1	0	18.82	18.97	18.61	18.42	18.43	1	20	
		1	50	18.68	18.77	18.57	18.28	18.21	1	20	
		1	99	18.80	18.79	18.51	18.36	18.23	1	20	
		50	0	18.78	18.77	18.51	18.42	18.38	2	19	
		50	25	17.70	17.89	17.61	17.42	17.35	2	19	
64QAM	50	50	17.73	17.78	17.60	17.43	17.34	2	19		
	100	0	17.86	17.88	17.56	17.46	17.38	2	19		
	1	0	17.89	17.86	17.56	17.33	17.28	2	19		
	1	50	17.42	17.43	17.21	17.12	16.85	2	19		
	1	99	17.29	17.36	17.22	16.97	16.98	2	19		
	50	0	16.79	16.88	16.50	16.43	16.34	3	18		
	50	25	16.75	16.84	16.62	16.55	16.40	3	18		
	50	50	16.80	16.93	16.61	16.42	16.39	3	18		
	100	0	16.82	16.81	16.69	16.50	16.39	3	18		
	100	0	16.82	16.81	16.69	16.50	16.39	3	18		
	100	0	16.82	16.81	16.69	16.50	16.39	3	18		

LTE Band 42 Part2Q (Ant7)											
BW	MCS Index	RB Size	RB Offset	Channel						3GPP MPR (dB)	Max. Time-up (dBm)
				Low	Mid	High	3999	4199			
Channel		3495	3544	3592	3641	3690	3739	3788	3837	3886	
Frequency (MHz)		3495	3544	3592	3641	3690	3739	3788	3837	3886	
20M	QPSK	1	0	19.67	19.91	19.95	0	21			
		1	50	19.66	19.42	19.52	0	21			
		1	99	19.55	19.37	19.49	0	21			
		50	0	18.66	18.99	18.90	1	20			
		50	25	18.64	18.56	18.46	1	20			
		50	50	18.57	18.43	18.49	1	20			
	16QAM	100	0	18.61	18.67	18.59	1	20			
		1	0	18.63	18.55	18.59	1	20			
		1	50	18.49	18.49	18.41	1	20			
		1	99	18.52	18.28	18.38	1	20			
		50	0	17.61	17.46	17.40	2	19			
		50	50	17.48	17.40	17.44	2	19			
64QAM	100	0	17.58	17.45	17.47	2	19				
	1	0	17.51	17.33	17.17	2	19				
	1	50	17.12	17.12	17.02	2	19				
	1	99	17.03	17.05	17.01	2	19				
	50	0	16.62	16.48	16.40	3	18				
	50	25	16.49	16.51	16.47	3	18				
	50	50	16.53	16.39	16.31	3	18				
	100	0	16.58	16.52	16.48	3	18				
	100	0	16.58	16.52	16.48	3	18				
	100	0	16.58	16.52	16.48	3	18				
	100	0	16.58	16.52	16.48	3	18				

LTE Band 42 Part96 (Ant7)											
BW	MCS Index	RB Size	RB Offset	Channel						3GPP MPR (dB)	Max. Time-up (dBm)
				Low	Mid	High	3999	4199			
Channel		3595	3644	3692	3741	3790	3839	3888	3937	3986	
Frequency (MHz)		3595	3644	3692	3741	3790	3839	3888	3937	3986	
20M	QPSK	1	0	19.59	19.72	19.75	0	21			
		1	50	19.62	19.73	19.74	0	21			
		1	99	19.65	19.62	19.65	0	21			
		50	0	18.59	18.74	18.77	1	20			
		50	25	18.65	18.64	18.61	1	20			
		50	50	18.52	18.69	18.64	1	20			
	16QAM	100	0	18.62	18.59	18.74	1	20			
		1	0	18.73	18.72	18.77	1	20			
		1	50	18.53	18.68	18.71	1	20			
		1	99	18.57	18.58	18.69	1	20			
		50	0	18.64	18.57	18.72	3	18			
		50	25	17.61	17.62	17.73	2	19			
64QAM	50	50	17.54	17.73	17.70	2	19				
	100	0	17.86	17.89	17.70	2	19				
	1	0	17.23	17.24	17.27	2	19				
	1	50	17.17	17.34	17.35	2	19				
	1	99	17.21	17.20	17.17	2	19				
	50	0	16.62	16.69	16.74	3	18				
	50	25	16.69	16.62	16.77	3	18				
	50	50	16.64	16.65	16.70	3	18				
	100	0	16.62	16.69	16.74	3	18				
	100	0	16.62	16.69	16.74	3	18				
	100	0	16.62	16.69	16.74	3	18				

LTE Band 41 (2496 – 2690MHz) (Ant1)											
BW	MCS Index	RB Size	RB Offset	Channel						3GPP MPR (dB)	Max. Time-up (dBm)
				Low	Mid	High Mid	High	3999	4199		
Channel		2501	2550	2598	2647	2695	2744	2793	2842	2891	
Frequency (MHz)		2501	2550	2598	2647	2695	2744	2793	2842	2891	
20M	QPSK	1	0	19.84	19.86	19.48	19.49	19.28	0	21	
		1	37	19.41	19.55	19.20	18.97	19.06	0	21	
		1	74	19.54	19.68	19.33	19.10	19.01	0	21	
		36	0	18.62	18.76	18.62	18.36	18.36	1	20	
		36	19	18.81	18.89	18.54	18.49	18.22	1	20	
		36	39	18.53	18.67	18.56	18.39	18.30	1	20	
	16QAM	75	0	18.81	18.83	18.60	18.43	18.26	1	20	
		1	0	18.79	18.86	18.56	18.41	1	20		
		1	37	18.64	18.72	18.55	18.20	18.14	1	20	
		1	74	18.54	18.77	18.65	18.29	18.20	2	19	
		36	0	17.76	17.69	17.64	17.38	17.38	2	19	
		36	19	17.62	17.85	17.56	17.36	17.30	2	19	
64QAM	36	39	17.70	17.72	17.59	17.41	17.32	2	19		
	75	0	17.52	17.64	17.49	17.29	17.29	2	19		
	1	0	17.33	17.53	17.24	17.10	17.07	2	19		
	1	37	17.40	17.36	17.16	17.11	16.81	2	19		
	1	74	17.23	17.28	17.20	16.97	16.97	2	19		
	36	0	16.79	16.86	16.42	16.40	16.31	3	18		
	36	19	16.68	16.76	16.56	16.36	16.31	3	18		
	36	39	16.78	16.92	16.57	16.37	16.37	3	18		
	75	0	16.60	16.73	16.50	16.30	16.31	3	18		
	75	0	16.60	16.73	16.50	16.30	16.31	3	18		
	75	0	16.60	16.73	16.50	16.30	16.31	3	18		

LTE Band 42 Part2Q (Ant7)											
BW	MCS Index	RB Size	RB Offset	Channel						3GPP MPR (dB)	Max. Time-up (dBm)
				Low	Mid	High	3999	4199			
Channel		3495	3544	3592	3641	3690	3739	3788	3837	3886	
Frequency (MHz)		3495	3544	3592	3641	3690	3739	3788	3837	3886	
20M	QPSK	1	0	19.62	19.44	19.50	0	21			
		1	37	19.64	19.34	19.50	0	21			
		1	74	19.60	19.36	19.50	0	21			
		36	0	18.62	18.54	18.45	1	20			
		36	19	18.46	18.55	18.41	1	20			
		36	39	18.53	18.57	18.48	1	20			
	16QAM	75	0	18.55	18.55	18.44	1	20			
		1	0	18.56	18.50	18.57	1	20			
		1	37	18.41	18.47	18.36	1	20			
		1	74	18.60	18.59	18.38	2	19			
		36	0	17.46	17.40	17.32	2	19			
		36	19	17.55	17.55	17.41	2	19			
64QAM	36	39	17.41	17.35	17.42	2	19				
	75	0	17.53	17.53	17.42	2	19				
	1	0	17.14	17.08	17.15	2	19				
	1	37	17.04	17.10	16.96	2	19				
	1	74	16.86	16.81	16.97	2	19				
	36	0	16.58	16.43	16.32	3	18				
	36	19	16.41	16.50	16.45	3	18				
	36	39	16.49	16.54	16.23	3	18				
	75	0	16.40	16.48	16.36	3	18				
	75	0	16.40	16.48	16.36	3	18				
	75	0	16.40	16.48	16.36	3	18				

LTE Band 42 Part96 (Ant7)											
BW	MCS Index	RB Size	RB Offset	Channel						3GPP MPR (dB)	Max. Time-up (dBm)
				Low	Mid	High	3999	4199			
Channel		3595	3644	3692	3741	3790	3839	3888	3937	3986	
Frequency (MHz)		3595	3644	3692	3741	3790	3839	3888	3937	3986	
20M	QPSK	1	0	19.51	19.63	19.68	0	21			
		1	37	19.54	19.59	19.59	0	21			
		1	74	19.50	19.57	19.57	0	21			
		36	0	18.53	18.72	18.75	1	20			
		36	19	18.64	18.69	18.53	1	20			

LTE Band 43 (Ant7)										
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)		
		Channel			43690	44090			44490	
		Frequency (MHz)	3610	3650	3690					
20M	QPSK	1	0	19.98	20.00	20.10	0	21		
		1	50	19.94	19.85	19.90	0	21		
		1	99	19.84	19.81	19.86	0	21		
		50	0	18.97	18.92	19.04	1	20		
		50	25	18.99	18.99	19.07	1	20		
		50	50	18.94	18.81	18.94	1	20		
		100	0	18.92	18.94	19.03	1	20		
		1	0	19.16	19.12	19.15	1	20		
		1	50	19.03	18.86	18.97	1	20		
		1	99	18.85	18.67	18.94	1	20		
	16QAM	50	0	18.03	17.86	18.01	2	19		
		50	25	17.98	17.95	18.02	2	19		
		50	50	17.98	17.83	17.95	2	19		
		100	0	17.94	17.88	17.93	2	19		
		1	0	17.82	17.77	17.84	2	19		
		1	50	17.73	17.60	17.70	2	19		
		1	99	17.59	17.49	17.63	2	19		
		50	0	17.05	16.94	16.96	3	18		
		50	25	17.01	16.94	17.04	3	18		
		50	50	17.00	16.87	16.92	3	18		
	64QAM	100	0	17.00	16.92	17.07	3	18		
		15M	QPSK	1	0	19.07	19.93	20.08	0	21
				1	37	19.93	19.81	19.87	0	21
				1	74	19.81	19.80	19.80	0	21
				36	0	18.93	18.87	19.02	1	20
				36	19	18.93	18.97	19.04	1	20
				36	39	18.92	18.73	18.93	1	20
				75	0	18.84	18.90	18.98	1	20
				1	0	19.13	19.06	19.13	1	20
				1	37	19.02	18.81	18.89	1	20
1	74			18.79	18.84	18.90	1	20		
16QAM	36		0	18.01	17.79	17.96	2	19		
	36		19	17.92	17.87	18.00	2	19		
	36		39	17.97	17.81	17.87	2	19		
	75		0	17.87	17.80	17.87	2	19		
	1		0	17.80	17.76	17.80	2	19		
	1		37	17.71	17.52	17.69	2	19		
	1		74	17.57	17.48	17.59	2	19		
	36		0	17.04	16.92	16.88	3	18		
	36		19	16.95	16.86	17.02	3	18		
	36		39	16.99	16.82	16.84	3	18		
64QAM	75		0	16.96	16.87	17.05	3	18		
	10M		QPSK	1	0	19.90	19.96	20.05	0	21
				1	24	19.91	19.79	19.88	0	21
				1	49	19.82	19.74	19.81	0	21
				25	0	18.91	18.84	19.02	1	20
				25	12	18.98	18.97	18.99	1	20
				25	25	18.87	18.73	18.88	1	20
				50	0	18.89	18.88	19.01	1	20
				1	0	19.14	19.05	19.10	1	20
				1	24	18.97	18.78	18.95	1	20
1		49		18.83	18.79	18.93	1	20		
16QAM		25	0	17.95	17.82	17.96	2	19		
		25	12	17.96	17.87	18.01	2	19		
		25	25	17.90	17.79	17.90	2	19		
		50	0	17.91	17.82	17.91	2	19		
		1	0	17.80	17.70	17.79	2	19		
		1	24	17.67	17.52	17.68	2	19		
		1	49	17.58	17.47	17.55	2	19		
		25	0	17.00	16.86	16.90	3	18		
		25	12	17.00	16.88	17.02	3	18		
		25	25	16.97	16.81	16.90	3	18		
64QAM		50	0	16.92	16.88	17.02	3	18		
		5M	QPSK	1	0	19.93	19.93	20.05	0	21
				1	12	19.92	19.77	19.88	0	21
				1	24	19.76	19.80	19.81	0	21
				12	0	18.93	18.87	19.03	1	20
				12	6	18.93	18.97	19.02	1	20
				12	13	18.87	18.76	18.92	1	20
				25	0	18.84	18.92	18.98	1	20
				1	0	19.14	19.04	19.13	1	20
				1	12	18.95	18.80	18.89	1	20
1	24			18.79	18.85	18.88	1	20		
16QAM	12		0	17.96	17.81	17.99	2	19		
	12		6	17.92	17.88	17.97	2	19		
	12		13	17.91	17.78	17.93	2	19		
	25		0	17.86	17.86	17.87	2	19		
	1		0	17.74	17.76	17.82	2	19		
	1		12	17.69	17.55	17.62	2	19		
	1		24	17.51	17.48	17.61	2	19		
	12		0	17.01	16.89	16.88	3	18		
	12		6	16.95	16.92	17.01	3	18		
	12		13	16.93	16.82	16.90	3	18		
64QAM	25		0	16.92	16.90	17.02	3	18		

LTE Band 48 (Ant7)											
BW	MCS Index	RB Size	RB Offset	Low	Low Mid	High Mid	High	3GPP MPR (dB)	Max. Tune-up (dBm)		
		Channel			55340	55830	56150			56640	
		Frequency (MHz)	3560	3609	3641	3690					
20M	QPSK	1	0	19.26	19.54	19.75	19.80	0	21		
		1	50	19.23	19.31	19.68	19.73	0	21		
		1	99	19.07	19.35	19.56	19.61	0	21		
		50	0	18.25	18.39	18.70	18.75	1	20		
		50	25	18.24	18.34	18.61	18.66	1	20		
		50	50	18.12	18.28	18.63	18.68	1	20		
		100	0	18.28	18.46	18.57	18.62	1	20		
		1	0	18.21	18.39	18.66	18.71	1	20		
		1	50	18.33	18.47	18.78	18.83	1	20		
		1	99	18.39	18.49	18.76	18.81	1	20		
	16QAM	50	0	17.26	17.42	17.77	17.72	2	19		
		50	25	17.29	17.37	17.74	17.71	2	19		
		50	50	17.19	17.47	17.68	17.79	2	19		
		100	0	17.27	17.35	17.72	17.77	2	19		
		1	0	17.27	17.55	17.76	17.81	2	19		
		1	50	17.34	17.48	17.79	17.86	2	19		
		1	99	17.32	17.42	17.69	17.74	2	19		
		50	0	17.12	17.28	17.63	17.68	3	18		
		50	25	17.18	17.36	17.47	17.52	3	18		
		50	50	17.07	17.21	17.48	17.55	3	18		
	64QAM	100	0	17.20	17.30	17.61	17.66	3	18		
		15M	QPSK	1	0	19.18	19.50	19.70	19.75	0	21
				1	37	19.21	19.23	19.67	19.72	0	21
				1	74	18.99	19.31	19.51	19.56	0	21
				36	0	18.22	18.33	18.68	18.73	1	20
				36	19	18.22	18.27	18.56	18.61	1	20
				36	39	18.06	18.06	18.61	18.66	1	20
				75	0	18.27	18.44	18.49	18.54	1	20
				1	0	18.14	18.31	18.60	18.65	1	20
				1	37	18.30	18.41	18.76	18.81	1	20
1	74			18.37	18.42	18.71	18.76	1	20		
16QAM	36		0	17.20	17.34	17.75	17.65	2	19		
	36		19	17.27	17.29	17.73	17.66	2	19		
	36		39	17.11	17.43	17.63	17.77	2	19		
	75		0	17.25	17.27	17.71	17.76	2	19		
	1		0	17.19	17.51	17.71	17.76	2	19		
	1		37	17.31	17.42	17.77	17.85	2	19		
	1		74	17.30	17.35	17.64	17.69	2	19		
	36		0	17.06	17.20	17.61	17.66	3	18		
	36		19	17.17	17.34	17.39	17.44	3	18		
	36		39	17.02	17.13	17.42	17.50	3	18		
64QAM	75		0	17.19	17.24	17.59	17.64	3	18		
	10M		QPSK	1	0	19.21	19.47	19.70	19.75	0	21
				1	24	19.21	19.23	19.66	19.72	0	21
				1	49	19.02	19.27	19.55	19.56	0	21
				25	0	18.21	18.34	18.65	18.73	1	20
				25	12	18.16	18.33	18.56	18.61	1	20
				25	25	18.08	18.23	18.62	18.66	1	20
				50	0	18.22	18.44	18.52	18.54	1	20
				1	0	18.14	18.34	18.64	18.65	1	20
				1	24	18.25	18.45	18.73	18.81	1	20
1		49		18.37	18.41	18.74	18.76	1	20		
16QAM		25	0	17.18	17.36	17.69	17.65	2	19		
		25	12	17.23	17.35	17.68	17.66	2	19		
		25	25	17.12	17.42	17.66	17.77	2	19		
		50	0	17.21	17.28	17.67	17.76	2	19		
		1	0	17.20	17.50	17.74	17.76	2	19		
		1	24	17.26	17.46	17.73	17.85	2	19		
		1	49	17.24	17.41	17.67	17.69	2	19		
		25	0	17.08	17.23	17.55	17.66	3	18		
		25	12	17.10	17.35	17.45	17.44	3	18		
		25	25	17.03	17.16	17.40	17.50	3	18		
64QAM		50	0	17.14	17.28	17.58	17.64	3	18		
		5M	QPSK	1	0	19.20	19.52	19.69	19.75	0	21
				1	12	19.16	19.26	19.66	19.72	0	21
				1	24	19.01	19.28	19.51	19.56	0	21
				12	0	18.18	18.34	18.68	18.73	1	20
				12	6	18.16	18.32	18.55	18.61	1	20
				12	13	18.04	18.27	18.61	18.66	1	20
				25	0	18.24	18.41	18.49	18.54	1	20
				1	0	18.13	18.38	18.64	18.65	1	20
				1	12	18.28	18.42	18.74	18.81	1	20
1	24			18.37	18.41	18.75	18.76	1	20		
16QAM	12		0	17.18	17.38	17.72	17.65	2	19		
	12		6	17.26	17.31	17.72	17.66	2	19		
	12		13	17.17	17.40	17.63	17.77	2	19		
	25		0	17.21	17.27	17.70	17.76	2	19		
	1		0	17.26	17.53	17.68	17.76	2	19		
	1		12	17.29	17.40	17.73	17.85	2	19		
	1		24	17.31	17.36	17.67	17.69	2	19		
	12		0	17.07	17.26	17.56	17.66	3	18		
	12		6	17.16	17.28	17.46	17.44	3	18		
	12		13	16.99	17.17	17.43	17.50	3	18		
64QAM	25		0	17.18	17.22	17.60	17.64	3	18		

LTE Band 66 (Ant1)								
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)	Max. Tune-up (dB)
		Channel	Frequency (MHz)	132072	132322	132572		
20M	QPSK	1	0	19.89	20.05	20.48	0	21
		1	50	19.90	20.02	20.59	0	21
		1	99	20.02	20.08	20.63	0	21
		50	0	19.10	19.22	19.79	1	20
		50	25	19.11	19.31	19.74	1	20
		50	50	19.15	19.33	19.80	1	20
	16QAM	100	0	19.14	19.20	19.65	1	20
		1	0	19.29	19.61	20.10	1	20
		1	50	19.50	19.58	20.11	1	20
		1	99	19.62	19.58	20.23	1	20
		50	0	18.45	18.61	19.10	2	19
		50	25	18.49	18.51	19.10	2	19
	64QAM	50	50	18.49	18.47	19.02	2	19
		100	0	18.40	18.44	19.07	2	19
		1	0	18.83	18.89	19.28	2	19
		1	50	18.71	18.73	19.32	2	19
		1	99	18.77	18.75	19.34	2	19
		50	0	17.53	17.67	18.08	3	18
10M	QPSK	1	0	19.83	20.03	20.42	0	21
		1	37	19.83	19.97	20.57	0	21
		1	74	19.96	20.01	20.58	0	21
		36	0	19.03	19.17	19.77	1	20
		36	19	19.03	19.29	19.68	1	20
		36	39	19.07	19.32	19.78	1	20
	16QAM	75	0	19.10	19.15	19.57	1	20
		1	0	19.31	19.60	20.08	1	20
		1	37	19.45	19.53	20.07	1	20
		1	74	19.60	19.50	20.22	1	20
		36	0	18.37	18.57	19.05	2	19
		36	19	18.46	18.45	19.08	2	19
	64QAM	36	39	18.47	18.40	18.97	2	19
		75	0	18.34	18.30	19.05	2	19
		1	0	18.82	18.87	19.20	2	19
		1	37	18.66	18.65	19.22	2	19
		1	74	18.75	18.69	19.32	2	19
		36	0	17.48	17.65	18.01	3	18
5M	QPSK	1	0	19.86	19.99	20.46	0	21
		1	24	19.88	19.94	20.58	0	21
		1	49	19.94	20.04	20.58	0	21
		25	0	19.07	19.16	19.77	1	20
		25	12	19.09	19.24	19.69	1	20
		25	25	19.09	19.25	19.78	1	20
	16QAM	50	0	19.13	19.18	19.57	1	20
		1	0	19.32	19.53	20.04	1	20
		1	24	19.47	19.52	20.09	1	20
		1	49	19.60	19.51	20.16	1	20
		25	0	18.39	18.53	19.08	2	19
		25	12	18.47	18.43	19.09	2	19
	64QAM	25	25	18.41	18.43	18.97	2	19
		50	0	18.38	18.36	19.06	2	19
		1	0	18.75	18.85	19.23	2	19
		1	24	18.68	18.67	19.25	2	19
		1	49	18.75	18.68	19.29	2	19
		25	0	17.47	17.59	18.06	3	18
3M	QPSK	1	0	19.84	19.98	20.43	0	21
		1	12	19.88	19.94	20.57	0	21
		1	24	19.97	20.00	20.62	0	21
		12	0	19.06	19.17	19.74	1	20
		12	6	19.03	19.30	19.69	1	20
		12	13	19.11	19.28	19.79	1	20
	16QAM	25	0	19.08	19.18	19.60	1	20
		1	0	19.32	19.56	20.08	1	20
		1	12	19.42	19.56	20.06	1	20
		1	24	19.60	19.50	20.21	1	20
		12	0	18.37	18.55	19.02	2	19
		12	6	18.43	18.49	19.04	2	19
	64QAM	12	13	18.42	18.42	19.00	2	19
		25	0	18.34	18.37	19.04	2	19
		1	0	18.75	18.54	19.26	2	19
		1	12	18.63	18.71	19.22	2	19
		1	24	18.69	18.74	19.32	2	19
		12	0	17.49	17.62	18.00	3	18
1.4M	QPSK	1	0	19.87	19.97	20.44	0	21
		1	5	19.89	20.00	20.54	0	21
		1	14	19.94	20.01	20.61	0	21
		8	0	19.09	19.18	19.76	1	20
		8	3	19.08	19.30	19.68	1	20
		8	7	19.11	19.28	19.78	1	20
	16QAM	15	0	19.08	19.18	19.62	1	20
		1	0	19.27	19.53	20.06	1	20
		1	7	19.42	19.54	20.06	1	20
		1	14	19.59	19.52	20.21	1	20
		8	0	18.44	18.56	19.02	2	19
		8	3	18.43	18.48	19.06	2	19
	64QAM	8	7	18.47	18.40	18.97	2	19
		15	0	18.34	18.36	19.05	2	19
		1	0	18.82	18.87	19.20	2	19
		1	7	18.64	18.65	19.22	2	19
		1	14	18.75	18.74	19.30	2	19
		8	0	17.51	17.59	18.07	3	18

**UL CA**

<b>CA_7C</b>									
<b>Combination 20MHz+20MHz (100RB+100RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Tune up limit (dBm)
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	0	0	1	20.02	21.00
		16QAM	1	99	0	0	1	19.25	20.00
		64QAM	1	99	0	0	1	18.07	19.00
21100	21298	QPSK	1	99	0	0	1	19.99	21.00
		16QAM	1	99	0	0	1	19.14	20.00
		64QAM	1	99	0	0	1	18.20	19.00
21350	21152	QPSK	1	99	0	0	1	19.91	21.00
		16QAM	1	99	0	0	1	19.14	20.00
		64QAM	1	99	0	0	1	18.00	19.00

<b>CA_38C</b>									
<b>Combination 20MHz+20MHz (100RB+100RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	1	0	0	0	1	19.71	21.00
		16QAM	1	0	0	0	1	18.98	20.00
		64QAM	1	0	0	0	1	17.68	19.00
37901	38099	QPSK	1	0	0	0	1	19.54	21.00
		16QAM	1	0	0	0	1	18.71	20.00
		64QAM	1	0	0	0	1	17.46	19.00
38150	37952	QPSK	1	0	0	0	1	19.34	21.00
		16QAM	1	0	0	0	1	18.59	20.00
		64QAM	1	0	0	0	1	17.55	19.00

<b>CA_41C</b>									
<b>Combination 20MHz+20MHz (100RB+100RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	0	0	0	1	19.78	21.00
		16QAM	1	0	0	0	1	19.00	20.00
		64QAM	1	0	0	0	1	17.45	19.00
40185	40383	QPSK	1	0	0	0	1	19.69	21.00
		16QAM	1	0	0	0	1	18.83	20.00
		64QAM	1	0	0	0	1	17.36	19.00
40620	40818	QPSK	1	0	0	0	1	19.63	21.00
		16QAM	1	0	0	0	1	18.84	20.00
		64QAM	1	0	0	0	1	17.21	19.00
41055	41253	QPSK	1	0	0	0	1	19.47	21.00
		16QAM	1	0	0	0	1	18.73	20.00
		64QAM	1	0	0	0	1	17.24	19.00
41490	41292	QPSK	1	0	0	0	1	19.13	21.00
		16QAM	1	0	0	0	1	18.23	20.00
		64QAM	1	0	0	0	1	16.83	19.00

CA_42C Part27									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
42190	42388	QPSK	1	0	0	0	1	19.41	21.00
		16QAM	1	0	0	0	1	18.64	20.00
		64QAM	1	0	0	0	1	17.14	19.00
42590	42392	QPSK	1	0	0	0	1	19.54	21.00
		16QAM	1	0	0	0	1	18.65	20.00
		64QAM	1	0	0	0	1	16.99	19.00
42990	42792	QPSK	1	0	0	0	1	19.35	21.00
		16QAM	1	0	0	0	1	18.63	20.00
		64QAM	1	0	0	0	1	17.09	19.00

CA_48C For SAR									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
55340	55538	QPSK	1	0	0	0	1	19.49	21.00
		16QAM	1	0	0	0	1	18.74	20.00
		64QAM	1	0	0	0	1	17.23	19.00
55830	56028	QPSK	1	0	0	0	1	19.64	21.00
		16QAM	1	0	0	0	1	18.90	20.00
		64QAM	1	0	0	0	1	17.43	19.00
56150	56348	QPSK	1	0	0	0	1	19.77	21.00
		16QAM	1	0	0	0	1	18.98	20.00
		64QAM	1	0	0	0	1	17.50	19.00
56640	56442	QPSK	1	0	0	0	1	19.58	21.00
		16QAM	1	0	0	0	1	18.89	20.00
		64QAM	1	0	0	0	1	17.38	19.00

# DL CA

Configure		CA List	PCC						SCC				Power		
			LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
			Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
Intra-Band	Contiguous	CA_7C	Band 7	20M	2510	20850	QPSK	1	99	Band 7	20M	2649.8	3048	19.96	20.08
			Band 7	20M	2535	21100	QPSK	1	99	Band 7	20M	2674.8	3298	19.90	20.01
			Band 7	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	19.92	20.04

n2 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		372000	376000	380000	
		Frequency (MHz)		1850	1880	1900	
20M	CP-OFDM QPSK	1	1	18.86	18.83	18.76	19.5
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	CP-OFDM QPSK	1	1	18.77	18.88	18.70	19.5
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	CP-OFDM QPSK	1	1	18.79	18.83	18.75	19.5
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	CP-OFDM QPSK	1	1	18.75	18.79	18.68	19.5

n2 (SCS 15 kHz)							
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 Pw2 BPSK	1	1	20.37	20.39	20.34	21
		1	53	20.39	20.31	20.34	21
		1	104	20.34	20.28	20.29	21
		50	0	19.93	19.97	19.93	21
		50	28	20.38	20.42	20.32	21
		50	56	19.88	19.91	19.87	21
	100	0	19.90	20.04	19.87	21	
	DFT-s-OFDM QPSK	1	1	20.49	20.52	20.49	21
		1	53	20.39	20.50	20.38	21
		1	104	20.39	20.42	20.39	21
		50	0	19.40	19.48	19.33	21
		50	28	20.40	20.49	20.44	21
		50	56	19.38	19.47	19.41	21
	100	0	19.39	19.47	19.38	20	
	DFT-s-OFDM 16QAM	1	1	19.66	19.69	19.70	20
DFT-s-OFDM 64QAM	1	1	18.00	18.16	17.98	18.5	
DFT-s-OFDM 256QAM	1	1	15.82	15.89	15.82	16.5	
BW	MCS Index	Channel		371500	376000	380500	Max. Tune-up
		Frequency (MHz)		1857.5	1880	1902.5	
15M	DFT-s-OFDM QPSK	1	1	20.41	20.43	20.36	21
BW	MCS Index	Channel		371000	376000	381000	Max. Tune-up
		Frequency (MHz)		1855	1880	1905	
10M	DFT-s-OFDM QPSK	1	1	20.39	20.38	20.40	21
BW	MCS Index	Channel		370500	376000	381500	Max. Tune-up
		Frequency (MHz)		1852.5	1880	1907.5	
5M	DFT-s-OFDM QPSK	1	1	20.32	20.40	20.36	21

n7 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		502000	507000	512000	
		Frequency (MHz)		2510	2535	2560	
20M	CP-OFDM QPSK	1	1	18.91	19.00	18.73	19.5
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequency (MHz)		2507.5	2535	2562.5	
15M	CP-OFDM QPSK	1	1	18.89	18.97	18.70	19.5
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequency (MHz)		2505	2535	2565	
10M	CP-OFDM QPSK	1	1	18.88	18.98	18.67	19.5
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequency (MHz)		2502.5	2535	2567.5	
5M	CP-OFDM QPSK	1	1	18.94	18.97	18.75	19.5

n7 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
		Channel		502000	507000	512000	
		Frequency (MHz)		2510	2535	2560	
20M	DFT-s-OFDM Pw2 BPSK	1	1	20.39	20.38	20.28	21
		1	53	20.35	20.29	20.13	21
		1	104	20.27	20.37	20.19	21
		50	0	19.93	19.87	19.75	21
		50	28	20.33	20.39	20.18	21
		50	56	19.74	19.84	19.63	21
	100	0	19.89	19.93	19.74	21	
	DFT-s-OFDM QPSK	1	1	20.48	20.47	20.32	21
		1	53	20.27	20.36	20.15	21
		1	104	20.27	20.35	20.08	21
		50	0	19.40	19.45	19.37	21
		50	28	20.38	20.42	20.25	21
		50	56	19.29	19.38	19.20	21
	100	0	19.38	19.43	19.27	20	
	DFT-s-OFDM 16QAM	1	1	19.37	19.52	19.27	20
DFT-s-OFDM 64QAM	1	1	18.14	18.11	17.92	18.5	
DFT-s-OFDM 256QAM	1	1	15.61	15.76	15.51	16.5	
BW	MCS Index	Channel		501500	507000	512500	Max. Tune-up
		Frequency (MHz)		2507.5	2535	2562.5	
15M	DFT-s-OFDM QPSK	1	1	20.32	20.40	20.23	21
BW	MCS Index	Channel		501000	507000	513000	Max. Tune-up
		Frequency (MHz)		2505	2535	2565	
10M	DFT-s-OFDM QPSK	1	1	20.29	20.37	20.29	21
BW	MCS Index	Channel		500500	507000	513500	Max. Tune-up
		Frequency (MHz)		2502.5	2535	2567.5	
5M	DFT-s-OFDM QPSK	1	1	20.34	20.43	20.35	21

n25 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
				Channel	374000	376500	
				1870	1882.5	1895	
40M	CP-OFDM QPSK	1	1	19.07	19.11	19.17	19.5
BW	MCS Index	Channel		373000	376500	380000	Max. Tune-up
		Frequency (MHz)		1865	1882.5	1900	
30M	CP-OFDM QPSK	1	1	19.09	19.10	19.15	19.5
BW	MCS Index	Channel		372500	376500	380500	Max. Tune-up
		Frequency (MHz)		1862.5	1882.5	1902.5	
25M	CP-OFDM QPSK	1	1	19.01	19.09	19.10	19.5
BW	MCS Index	Channel		372000	376500	381000	Max. Tune-up
		Frequency (MHz)		1860	1882.5	1905	
20M	CP-OFDM QPSK	1	1	19.03	19.01	19.04	19.5
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequency (MHz)		1857.5	1882.5	1907.5	
15M	CP-OFDM QPSK	1	1	18.95	18.91	18.99	19.5
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequency (MHz)		1855	1882.5	1910	
10M	CP-OFDM QPSK	1	1	18.81	19.04	18.90	19.5
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequency (MHz)		1852.5	1882.5	1912.5	
5M	CP-OFDM QPSK	1	1	18.75	18.92	18.88	19.5

n25 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
				Channel	374000	376500	
				1870	1882.5	1895	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	20.50	20.51	20.48	21
		1	108	20.62	20.60	20.56	21
		1	214	20.61	20.55	20.52	21
		108	0	20.05	20.03	20.12	21
		108	54	20.53	20.51	20.51	21
		108	108	20.07	20.11	20.16	21
	DFT-s-OFDM QPSK	216	0	20.09	20.06	20.11	21
		1	1	20.62	20.66	20.64	21
		1	108	20.50	20.60	20.60	21
		1	214	20.62	20.60	20.61	21
		108	0	19.54	19.58	19.63	21
		108	54	20.54	20.61	20.57	21
	DFT-s-OFDM 16QAM	108	108	19.57	19.64	19.66	21
		216	0	19.56	19.63	19.62	20
DFT-s-OFDM 64QAM	1	1	19.40	19.44	19.53	20	
	1	1	18.12	18.28	18.21	18.5	
DFT-s-OFDM 256QAM	1	1	16.24	16.35	16.34	16.5	
			Channel	373000	376500	380000	Max. Tune-up
BW	MCS Index	Frequency (MHz)		1865	1882.5	1900	
		30M	DFT-s-OFDM QPSK	1	1	20.60	20.63
BW	MCS Index	Channel		372500	376500	380500	Max. Tune-up
		Frequency (MHz)		1862.5	1882.5	1902.5	
25M	DFT-s-OFDM QPSK	1	1	20.53	20.51	20.39	21
BW	MCS Index	Channel		372000	376500	381000	Max. Tune-up
		Frequency (MHz)		1860	1882.5	1905	
20M	DFT-s-OFDM QPSK	1	1	20.45	20.50	20.59	21
BW	MCS Index	Channel		371500	376500	381500	Max. Tune-up
		Frequency (MHz)		1857.5	1882.5	1907.5	
15M	DFT-s-OFDM QPSK	1	1	20.32	20.43	20.53	21
BW	MCS Index	Channel		371000	376500	382000	Max. Tune-up
		Frequency (MHz)		1855	1882.5	1910	
10M	DFT-s-OFDM QPSK	1	1	20.49	20.54	20.52	21
BW	MCS Index	Channel		370500	376500	382500	Max. Tune-up
		Frequency (MHz)		1852.5	1882.5	1912.5	
5M	DFT-s-OFDM QPSK	1	1	20.45	20.45	20.43	21

n66 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
				Channel	346000	349000	
				1730	1745	1760	
40M	CP-OFDM QPSK	1	1	19.22	19.06	19.11	19.5
BW	MCS Index	Channel		345000	349000	353000	Max. Tune-up
		Frequency (MHz)		1725	1745	1765	
30M	CP-OFDM QPSK	1	1	19.12	19.05	19.12	19.5
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	CP-OFDM QPSK	1	1	19.11	19.07	19.10	19.5
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	CP-OFDM QPSK	1	1	19.04	19.08	19.06	19.5
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	CP-OFDM QPSK	1	1	19.02	19.12	18.98	19.5
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	CP-OFDM QPSK	1	1	19.20	19.19	19.07	19.5

n66 (SCS 15 kHz)							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	Max. Tune-up (dBm)
				Channel	346000	349000	
				1730	1745	1760	
40M	DFT-s-OFDM Pi/2 BPSK	1	1	20.69	20.52	20.63	21
		1	108	20.64	20.53	20.69	21
		1	214	20.73	20.65	20.62	21
		108	0	20.04	20.04	20.05	21
		108	54	20.72	20.62	20.73	21
		108	108	20.25	20.18	20.20	21
	DFT-s-OFDM QPSK	216	0	20.18	20.12	20.24	21
		1	1	20.76	20.68	20.75	21
		1	108	20.74	20.68	20.73	21
		1	214	20.64	20.64	20.72	21
		108	0	19.59	19.61	19.59	21
		108	54	20.75	20.65	20.72	21
	DFT-s-OFDM 16QAM	108	108	19.78	19.66	19.73	21
		216	0	19.79	19.67	19.73	20
DFT-s-OFDM 64QAM	1	1	19.62	19.61	19.54	20	
	1	1	18.11	18.19	18.13	18.5	
DFT-s-OFDM 256QAM	1	1	16.20	16.28	16.22	16.5	
			Channel	345000	349000	353000	Max. Tune-up
BW	MCS Index	Frequency (MHz)		1725	1745	1765	
		30M	DFT-s-OFDM QPSK	1	1	20.71	20.70
BW	MCS Index	Channel		344000	349000	354000	Max. Tune-up
		Frequency (MHz)		1720	1745	1770	
20M	DFT-s-OFDM QPSK	1	1	20.67	20.66	20.73	21
BW	MCS Index	Channel		343500	349000	354500	Max. Tune-up
		Frequency (MHz)		1717.5	1745	1772.5	
15M	DFT-s-OFDM QPSK	1	1	20.66	20.60	20.59	21
BW	MCS Index	Channel		343000	349000	355000	Max. Tune-up
		Frequency (MHz)		1715	1745	1775	
10M	DFT-s-OFDM QPSK	1	1	20.60	20.61	20.57	21
BW	MCS Index	Channel		342500	349000	355500	Max. Tune-up
		Frequency (MHz)		1712.5	1745	1777.5	
5M	DFT-s-OFDM QPSK	1	1	20.70	20.64	20.62	21





## Appendix E. Simultaneous Multi-band Transmission Evaluation

The simultaneous transmission evaluation and analysis is shown as below.









Simultaneous Transmission analysis Head SAR(EN-DC)

WWAN Band	Exposure Position	1		2		3		4		5		6		7		8		12+17 Summed (% SAR (W))	12+18 Summed (% SAR (W))	12+19 Summed (% SAR (W))	12+20 Summed (% SAR (W))	12+21 Summed (% SAR (W))	12+22 Summed (% SAR (W))				
		TE 15 dBm	TR 15 dBm	2.42GHz LTE 15 dBm	2.42GHz LTE 15 dBm	2.49GHz LTE 15 dBm	2.49GHz LTE 15 dBm	5.05GHz LTE 15 dBm	5.05GHz LTE 15 dBm	8.0GHz LTE 15 dBm	8.0GHz LTE 15 dBm	Summed (% SAR (W))	Summed (% SAR (W))	Summed (% SAR (W))	Summed (% SAR (W))	Summed (% SAR (W))	Summed (% SAR (W))										
		15 dBm	15 dBm	15 dBm	15 dBm	15 dBm	15 dBm	15 dBm	15 dBm	15 dBm	15 dBm	15 dBm	15 dBm	15 dBm	15 dBm	15 dBm	15 dBm										
LTE Band 5	Right Cheek at 0mm	0.160	0.160	0.246	0.246	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.893	1.235	1.582	1.930	0.926	1.117	1.108	0.926	1.123	
	Right Cheek at 5mm	0.160	0.160	0.246	0.246	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.893	1.235	1.582	1.930	0.926	1.117	1.108	0.926	1.123	
	Left Cheek at 0mm	0.277	0.277	0.322	0.322	0.323	0.323	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	1.004	1.220	1.386	1.551	0.929	1.077	0.927	0.927	0.927
LTE Band 7	Right Cheek at 0mm	0.163	0.163	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.886	1.087	1.365	1.643	0.926	1.117	1.108	0.926	1.123	
	Right Cheek at 5mm	0.163	0.163	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.886	1.087	1.365	1.643	0.926	1.117	1.108	0.926	1.123	
	Left Cheek at 0mm	0.277	0.277	0.322	0.322	0.323	0.323	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	1.004	1.220	1.386	1.551	0.929	1.077	0.927	0.927	0.927
LTE Band 12	Right Cheek at 0mm	0.158	0.158	0.239	0.239	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.300	0.809	1.106	1.406	1.616	0.966	1.084	1.181	0.855	0.857
	Right Cheek at 5mm	0.158	0.158	0.239	0.239	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.243	0.300	0.809	1.106	1.406	1.616	0.966	1.084	1.181	0.855	0.857
	Left Cheek at 0mm	0.277	0.277	0.322	0.322	0.323	0.323	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	1.004	1.220	1.386	1.551	0.929	1.077	0.927	0.927	0.927
NR Band n2	Right Cheek at 0mm	0.138	0.138	0.207	0.207	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.300	0.809	1.106	1.406	1.616	0.966	1.084	1.181	0.855	0.857
	Right Cheek at 5mm	0.138	0.138	0.207	0.207	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.209	0.300	0.809	1.106	1.406	1.616	0.966	1.084	1.181	0.855	0.857
	Left Cheek at 0mm	0.277	0.277	0.322	0.322	0.323	0.323	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	1.004	1.220	1.386	1.551	0.929	1.077	0.927	0.927	0.927
LTE Band 14	Right Cheek at 0mm	0.162	0.162	0.246	0.246	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.893	1.235	1.582	1.930	0.926	1.117	1.108	0.926	1.123	
	Right Cheek at 5mm	0.162	0.162	0.246	0.246	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.893	1.235	1.582	1.930	0.926	1.117	1.108	0.926	1.123	
	Left Cheek at 0mm	0.277	0.277	0.322	0.322	0.323	0.323	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	1.004	1.220	1.386	1.551	0.929	1.077	0.927	0.927	0.927
LTE Band 66	Right Cheek at 0mm	0.129	0.129	0.199	0.199	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.300	0.809	1.106	1.406	1.616	0.966	1.084	1.181	0.855	0.857
	Right Cheek at 5mm	0.129	0.129	0.199	0.199	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.300	0.809	1.106	1.406	1.616	0.966	1.084	1.181	0.855	0.857
	Left Cheek at 0mm	0.277	0.277	0.322	0.322	0.323	0.323	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	0.324	1.004	1.220	1.386	1.551	0.929	1.077	0.927	0.927	0.927









Simultaneous Transmission analysis Hotspot SAR(EN-DC)

WVAWBand	Exposure Position	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20									
		TL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)	PL (dB)	ML (dB)				
LTE Band 2	Front 10cm	0.321	0.289	0.288	0.114	0.173	0.101	0.048	0.083	0.001	0.000	0.884	0.885	0.782	0.691	0.629	0.674	0.699	0.647	0.602																													
	Back 10cm	0.176	0.157	0.157	0.228	0.228	0.228	0.150	0.150	0.000	0.000	1.241	1.276	1.256	1.065	1.032	1.062	1.037	1.027	1.027																													

