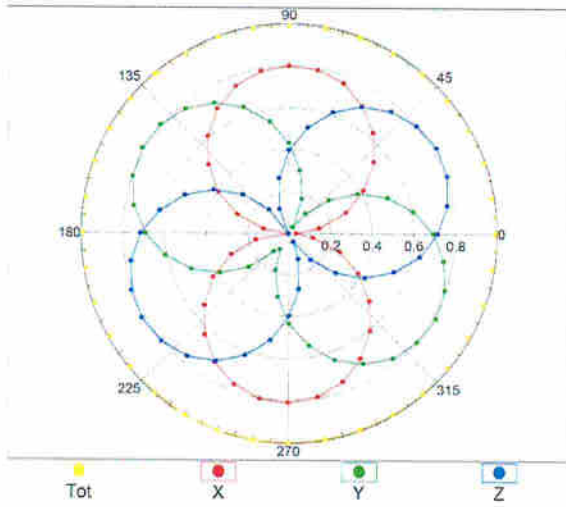
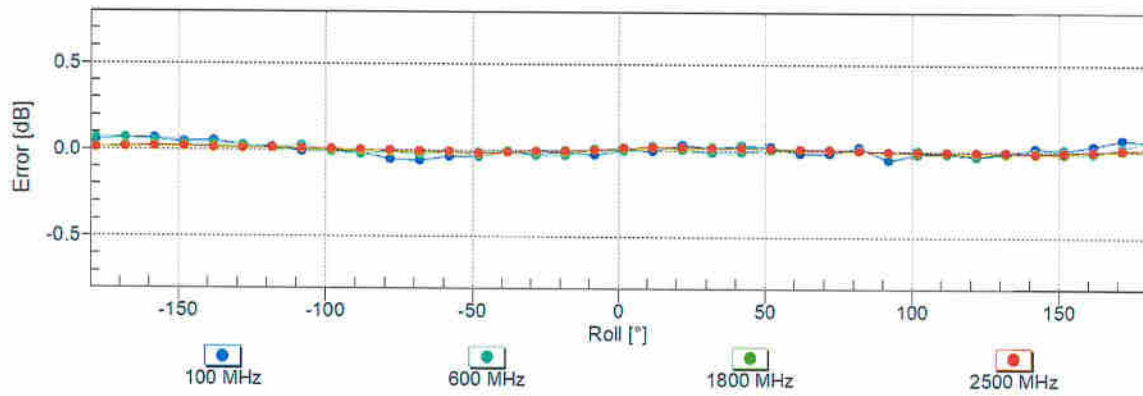
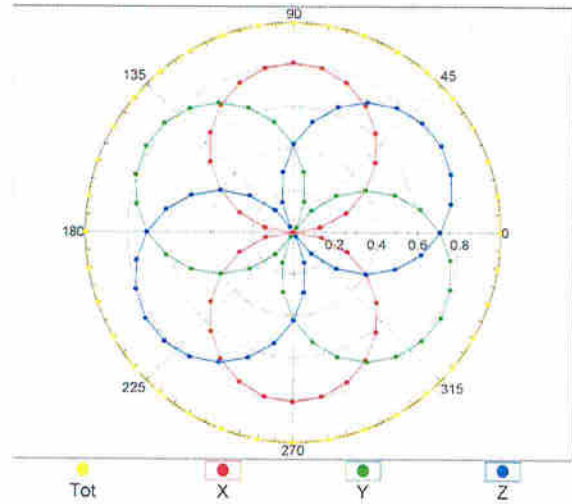


### Receiving Pattern ( $\phi$ ), $\theta = 0^\circ$

f=600 MHz,TEM

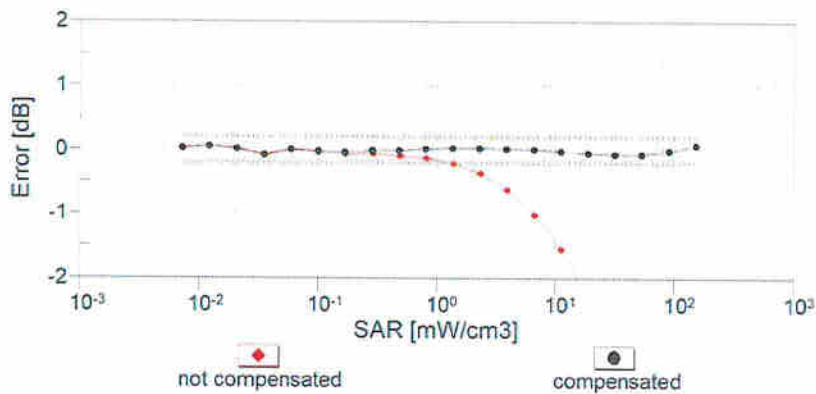
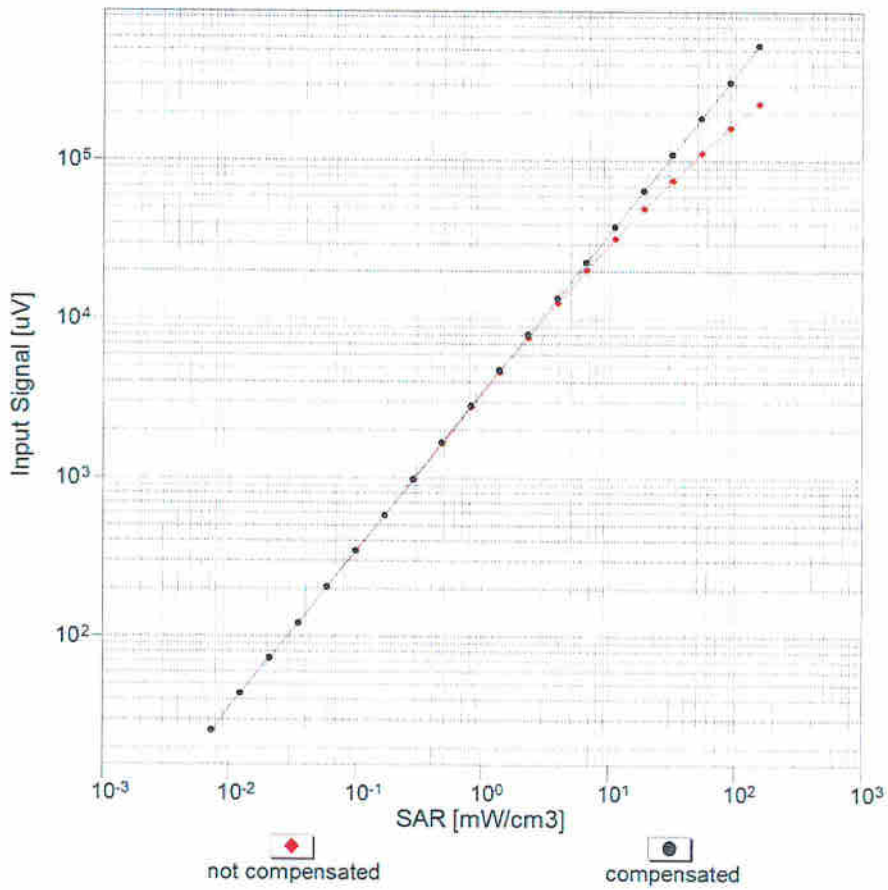


f=1800 MHz,R22



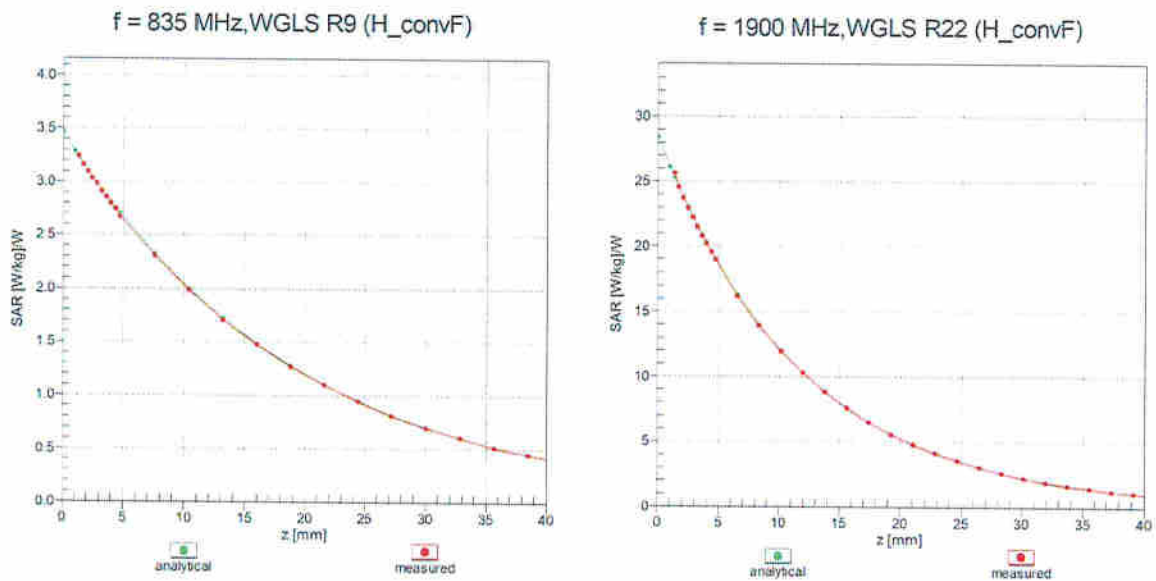
Uncertainty of Axial Isotropy Assessment:  $\pm 0.5\%$  ( $k=2$ )

### Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell , $f_{\text{eval}}= 1900 \text{ MHz}$ )

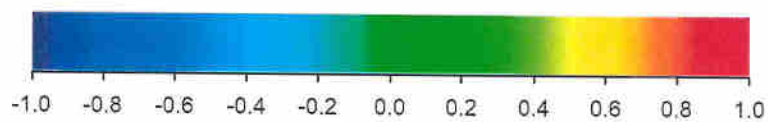
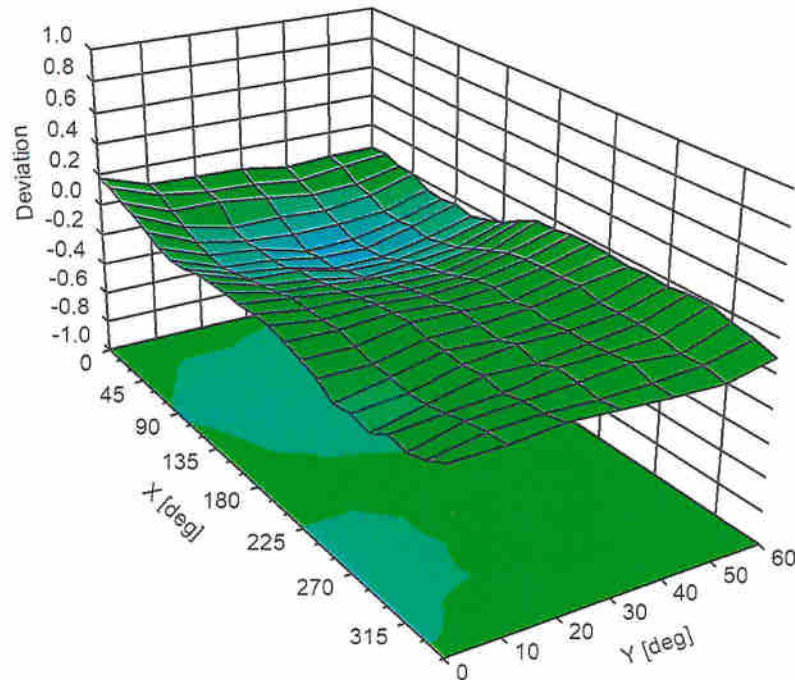


Uncertainty of Linearity Assessment:  $\pm 0.6\%$  ( $k=2$ )

## Conversion Factor Assessment



## Deviation from Isotropy in Liquid Error ( $\phi, \vartheta$ ), f = 900 MHz



Uncertainty of Spherical Isotropy Assessment:  $\pm 2.6\%$  (k=2)



**Appendix: Modulation Calibration Parameters**

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> (k=2)
0	-	CW	CW	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	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	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %

10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10108	CAG	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 %
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	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAD	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	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAF	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	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 9.6 %
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAG	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	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10179	CAG	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	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %



10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
10220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAD	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 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10226	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAF	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	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAB	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	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAD	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	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10252	CAG	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	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAF	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	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAB	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	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %

10261	CAD	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	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAG	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	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAF	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	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAA	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10297	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %
10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10302	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WiMAX	12.57	± 9.6 %
10303	AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10305	AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	15.24	± 9.6 %
10306	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WiMAX	14.49	± 9.6 %
10308	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3)	WiMAX	14.58	± 9.6 %
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3)	WiMAX	14.57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	iDEN 1:3	iDEN	10.51	± 9.6 %
10314	AAA	iDEN 1:6	iDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10317	AAD	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAE	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	± 9.6 %
10401	AAE	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6 %
10402	AAE	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %

10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAC	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	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAC	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	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAD	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	AAC	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	AAD	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
10456	AAC	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10462	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	± 9.6 %
10463	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10464	AAC	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	AAF	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	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10481	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10482	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	± 9.6 %
10483	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	± 9.6 %
10484	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	± 9.6 %
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	± 9.6 %
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	± 9.6 %
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	± 9.6 %



10489	AAF	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	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	± 9.6 %
10493	AAE	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	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10497	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10498	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	± 9.6 %
10499	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	± 9.6 %
10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10501	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
10502	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %
10503	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	± 9.6 %
10504	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10505	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10506	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10507	AAF	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	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	± 9.6 %
10511	AAE	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	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10518	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10519	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	± 9.6 %
10520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	± 9.6 %
10521	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6 %
10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	± 9.6 %
10524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	± 9.6 %
10525	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	± 9.6 %
10526	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6 %
10527	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	± 9.6 %
10528	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10531	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
10532	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10533	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.65	± 9.6 %
10544	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	± 9.6 %
10545	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10546	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.35	± 9.6 %

10547	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	± 9.6 %
10548	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	± 9.6 %
10550	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10551	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	± 9.6 %
10552	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	± 9.6 %
10553	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10554	AAD	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
10555	AAD	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10556	AAD	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10557	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10558	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10560	AAD	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10561	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10562	AAD	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10563	AAD	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10591	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10593	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10594	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	± 9.6 %
10596	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
10602	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %
10604	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %

10605	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97	± 9.6 %
10606	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10607	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6 %
10610	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAC	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10614	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
10615	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10616	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10617	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	± 9.6 %
10618	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	± 9.6 %
10619	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	± 9.6 %
10620	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAC	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10622	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	± 9.6 %
10623	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10624	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	± 9.6 %
10625	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10628	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	± 9.6 %
10629	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10630	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	± 9.6 %
10631	AAC	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10633	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAD	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAD	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAD	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	± 9.6 %
10639	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10640	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	± 9.6 %
10641	AAD	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAD	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	± 9.6 %
10643	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	± 9.6 %
10644	AAD	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	± 9.6 %
10645	AAD	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.11	± 9.6 %
10646	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAE	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAE	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAC	IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	9.09	± 9.6 %
10672	AAC	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %



10673	AAC	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAC	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAC	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAC	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAC	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAC	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAC	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAC	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAC	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAC	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAC	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10684	AAC	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAC	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAC	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAC	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAC	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAC	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAC	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAC	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAC	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAC	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAC	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAC	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAC	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAC	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAC	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAC	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAC	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAC	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAC	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAC	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAC	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706	AAC	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAC	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAC	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAC	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAC	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAC	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAC	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10713	AAC	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
10714	AAC	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
10715	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAC	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10717	AAC	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAC	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
10719	AAC	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10720	AAC	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10721	AAC	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAC	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAC	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAC	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAC	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAC	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAC	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
10728	AAC	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %

10729	AAC	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAC	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAC	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAC	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %
10736	AAC	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAC	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAC	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAC	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAC	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAC	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAC	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAC	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAC	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAC	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAC	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAC	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAC	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
10755	AAC	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAC	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAC	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAC	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAC	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAC	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	± 9.6 %
10767	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAD	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	AAD	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	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %



10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAD	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	AAE	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	AAD	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	AAD	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	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAD	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	AAD	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	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAB	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAB	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %

10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAD	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	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAC	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	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAC	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	AAC	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 %

<sup>ε</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 E. Conducted RF Output Power Table**

The detailed power table are shown as follows.





## Full Power Mode

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	32.72	32.84	32.89	33.50	23.72	23.84	23.89	24.50
GPRS 1 Tx slot	32.67	32.77	32.84	33.50	23.67	23.77	23.84	24.50
GPRS 2 Tx slot	29.91	30.05	29.92	31.00	23.91	24.05	23.92	25.00
GPRS 3 Tx slot	27.19	27.25	27.16	28.50	22.99	22.99	22.90	24.24
GPRS 4 Tx slot	24.63	24.88	24.85	26.00	21.63	21.88	21.85	23.00
EDGE 1 Tx slot	25.98	26.11	25.96	27.00	16.98	17.11	16.96	18.00
EDGE 2 Tx slot	23.63	23.68	23.60	25.00	17.63	17.68	17.60	19.00
EDGE 3 Tx slot	20.90	20.94	20.83	22.00	16.64	16.68	16.57	17.74
EDGE 4 Tx slot	18.75	18.85	18.80	20.00	15.75	15.85	15.80	17.00

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.84	29.89	29.89	30.50	20.84	20.89	20.89	21.50
GPRS 1 Tx slot	29.78	29.85	29.74	30.50	20.78	20.83	20.74	21.50
GPRS 2 Tx slot	26.97	27.13	26.94	28.00	20.97	21.13	20.94	22.00
GPRS 3 Tx slot	24.82	24.80	24.83	26.00	20.38	20.54	20.37	21.74
GPRS 4 Tx slot	22.10	22.28	22.18	23.00	19.10	19.28	19.18	20.00
EDGE 1 Tx slot	25.85	25.13	24.85	26.00	16.05	16.13	15.95	17.00
EDGE 2 Tx slot	22.81	22.79	22.86	24.00	16.61	16.79	16.66	18.00
EDGE 3 Tx slot	20.11	20.31	20.13	21.00	15.85	16.05	15.87	16.74
EDGE 4 Tx slot	17.77	17.90	17.77	19.00	14.77	14.90	14.77	16.00

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9362	9400	9638		4152	4182	4233	
TX Channel	9362	9400	9638		4152	4182	4233	
Rx Channel	9662	9600	9638		4357	4467	4458	
Frequency (MHz)	1852.4	1880	1907.6		836.4	836.4	848.6	
3GPP Rel 99 AMR 12.2kops	22.89	22.86	22.74	24.00	23.19	23.28	23.21	24.00
3GPP Rel 99 RAC 12.2kops	22.95	22.98	22.82	24.00	23.25	23.37	23.34	24.00
3GPP Rel 6 HSDPA Subtest-1	22.04	21.83	22.03	23.00	22.45	22.52	22.51	23.00
3GPP Rel 6 HSDPA Subtest-2	22.01	22.17	22.13	23.00	22.41	22.59	22.57	23.00
3GPP Rel 6 HSDPA Subtest-3	21.62	21.62	21.46	22.50	22.02	22.01	21.87	22.50
3GPP Rel 6 HSDPA Subtest-4	21.41	21.51	21.56	22.50	21.90	21.89	21.92	22.50
3GPP Rel 8 DC-HSDPA Subtest-1	21.86	21.71	22.05	23.00	22.29	22.17	22.52	23.00
3GPP Rel 8 DC-HSDPA Subtest-2	21.99	22.29	22.13	23.00	22.37	22.66	22.82	23.00
3GPP Rel 8 DC-HSDPA Subtest-3	21.42	21.82	21.46	22.50	21.89	22.21	21.86	22.50
3GPP Rel 8 DC-HSDPA Subtest-4	21.30	21.58	21.73	22.50	21.77	22.05	22.10	22.50
3GPP Rel 6 HSUPA Subtest-1	22.13	22.05	22.04	23.00	22.52	22.45	22.50	23.00
3GPP Rel 6 HSUPA Subtest-2	19.96	20.16	20.05	21.00	20.44	20.53	20.54	21.00
3GPP Rel 6 HSUPA Subtest-3	20.92	21.05	21.08	22.00	21.34	21.50	21.57	22.00
3GPP Rel 6 HSUPA Subtest-4	20.04	19.92	19.93	21.00	20.53	20.36	20.41	21.00
3GPP Rel 6 HSUPA Subtest-5	22.04	21.87	22.11	23.00	22.50	22.34	22.54	23.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	19.41	19.45	19.61	20.50	19.79	19.93	20.02	20.50



Band 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				1870	1880	1910			
Frequency (MHz)									
20	QPSK	1	0	22.37	22.42	22.33			
20	QPSK	1	49	22.31	22.41	22.38		24	0
20	QPSK	1	99	22.28	22.32	22.29			
20	QPSK	50	0	21.29	21.41	21.34			
20	QPSK	50	24	21.30	21.36	21.24		23	1
20	QPSK	100	0	21.13	21.25	21.13			
20	QPSK	100	0	21.23	21.37	21.31			
20	16QAM	1	0	21.28	21.32	21.24			
20	16QAM	1	49	21.20	21.28	21.15		23	1
20	16QAM	1	99	21.17	21.30	21.26			
20	16QAM	50	0	20.34	20.37	20.25			
20	16QAM	50	24	20.12	20.23	20.09		22	2
20	16QAM	50	50	20.28	20.32	20.27			
20	16QAM	100	0	20.27	20.34	20.28			
20	64QAM	1	0	20.31	20.37	20.34			
20	64QAM	1	49	20.17	20.28	20.15		22	2
20	64QAM	1	99	20.15	20.28	20.15			
20	64QAM	50	0	19.38	19.47	19.35			
20	64QAM	50	24	19.23	19.34	19.29		21	3
20	64QAM	50	50	19.22	19.31	19.17			
20	64QAM	100	0	19.37	19.42	19.29			
Channel				18675	18800	19125			
Frequency (MHz)									
15	QPSK	1	0	22.27	22.42	22.27			
15	QPSK	1	37	22.20	22.29	22.32		24	0
15	QPSK	1	74	22.15	22.17	22.24			
15	QPSK	38	0	21.18	21.37	21.19			
15	QPSK	38	20	21.20	21.28	21.12		23	1
15	QPSK	38	39	21.08	21.12	21.29			
15	QPSK	75	0	21.16	21.29	21.21			
15	16QAM	1	0	21.15	21.25	21.15			
15	16QAM	1	37	21.13	21.12	21.02		23	1
15	16QAM	1	74	21.04	21.19	21.17			
15	16QAM	38	0	20.25	20.23	20.14			
15	16QAM	38	20	20.33	20.17	20.30		22	2
15	16QAM	38	39	20.18	20.28	20.15			
15	16QAM	75	0	20.23	20.19	20.17			
15	64QAM	1	0	20.23	20.31	20.24			
15	64QAM	1	37	20.08	20.19	20.11		22	2
15	64QAM	1	74	20.09	20.17	20.02			
15	64QAM	38	0	19.32	19.33	19.23			
15	64QAM	38	20	19.11	19.24	19.19		21	3
15	64QAM	38	39	19.13	19.28	19.04			
15	64QAM	75	0	19.27	19.28	19.21			
Channel				18650	18800	19150			
Frequency (MHz)									
10	QPSK	1	0	22.27	22.37	22.21			
10	QPSK	1	25	22.22	22.32	22.28		24	0
10	QPSK	1	49	22.21	22.24	22.21			
10	QPSK	25	0	21.22	21.35	21.24			
10	QPSK	25	12	21.16	21.29	21.14		23	1
10	QPSK	25	25	21.04	21.13	21.01			
10	QPSK	50	0	21.10	21.28	21.20			
10	16QAM	1	0	21.22	21.23	21.18			
10	16QAM	1	25	21.07	21.17	21.12		23	1
10	16QAM	1	49	21.13	21.20	21.17			
10	16QAM	25	0	20.31	20.30	20.17			
10	16QAM	25	12	20.04	20.12	20.04		22	2
10	16QAM	25	25	20.23	20.20	20.14			
10	16QAM	50	0	20.18	20.23	20.24			
10	64QAM	1	0	20.18	20.33	20.30		22	2
10	64QAM	1	25	20.09	20.16	20.10			
10	64QAM	1	49	20.05	20.19	20.09			
10	64QAM	25	0	19.31	19.34	19.31		21	3
10	64QAM	25	12	19.17	19.27	19.22			
10	64QAM	25	25	19.16	19.19	19.04			
10	64QAM	50	0	19.27	19.31	19.17			
Channel				18625	18800	19175			
Frequency (MHz)									
5	QPSK	1	0	22.33	22.38	22.28			
5	QPSK	1	12	22.18	22.37	22.32		24	0
5	QPSK	1	24	22.12	22.24	22.25			
5	QPSK	12	0	21.19	21.36	21.27			
5	QPSK	12	7	21.25	21.32	21.20		23	1
5	QPSK	12	13	21.02	21.22	21.08			
5	QPSK	25	0	21.12	21.24	21.24			
5	16QAM	1	0	21.24	21.18	21.15			
5	16QAM	1	12	21.06	21.18	21.04		23	1
5	16QAM	1	24	21.07	21.20	21.15			
5	16QAM	12	0	20.28	20.32	20.15			
5	16QAM	12	7	20.03	20.14	20.04		22	2
5	16QAM	12	13	20.19	20.25	20.14			
5	16QAM	25	0	20.17	20.30	20.19			
5	64QAM	1	0	20.17	20.27	20.24			
5	64QAM	1	12	20.06	20.13	20.04		22	2
5	64QAM	1	24	20.00	20.22	20.05			
5	64QAM	12	0	19.28	19.38	19.22			
5	64QAM	12	7	19.16	19.18	19.16		21	3
5	64QAM	12	13	19.18	19.25	19.14			
5	64QAM	25	0	19.28	19.32	19.20			
Channel				18615	18800	19185			
Frequency (MHz)									
3	QPSK	1	0	22.32	22.32	22.21			
3	QPSK	1	8	22.19	22.32	22.28		24	0
3	QPSK	1	14	22.21	22.28	22.19			
3	QPSK	8	0	21.14	21.34	21.27			
3	QPSK	8	4	21.28	21.27	21.20		23	1
3	QPSK	8	7	21.09	21.20	21.07			
3	QPSK	15	0	21.11	21.34	21.18			
3	16QAM	1	0	21.19	21.18	21.11			
3	16QAM	1	8	21.13	21.13	21.08		23	1
3	16QAM	1	14	21.12	21.23	21.18			
3	16QAM	8	0	20.25	20.27	20.17			
3	16QAM	8	4	20.01	20.09	20.04		22	2
3	16QAM	8	7	20.13	20.18	20.23			
3	16QAM	15	0	20.18	20.29	20.19			
3	64QAM	1	0	20.18	20.23	20.31			
3	64QAM	1	8	20.08	20.16	20.02		22	2
3	64QAM	1	14	20.10	20.19	20.03			
3	64QAM	8	0	19.28	19.43	19.21			
3	64QAM	8	4	19.15	19.30	19.14		21	3
3	64QAM	8	7	19.16	19.17	19.08			
3	64QAM	15	0	19.28	19.33	19.23			
Channel				18607	18800	19193			
Frequency (MHz)									
1.4	QPSK	1	0	22.24	22.34	22.22			
1.4	QPSK	1	3	22.25	22.31	22.33		24	0
1.4	QPSK	1	5	22.18	22.28	22.15			
1.4	QPSK	3	0	22.23	22.37	22.29			
1.4	QPSK	3	1	22.16	22.28	22.19			
1.4	QPSK	3	3	22.09	22.17	22.07		23	1
1.4	QPSK	6	0	21.13	21.33	21.24			
1.4	16QAM	1	0	21.14	21.28	21.12			
1.4	16QAM	1	3	21.13	21.18	21.07		23	1
1.4	16QAM	1	5	21.08	21.23	21.17			
1.4	16QAM	3	0	21.29	21.28	21.13			
1.4	16QAM	3	1	21.03	21.11	21.28			
1.4	16QAM	3	3	21.19	21.19	21.16			
1.4	16QAM	6	0	20.24	20.29	20.16		22	2
1.4	64QAM	1	0	20.23	20.32	20.31			
1.4	64QAM	1	3	20.13	20.16	20.06			
1.4	64QAM	1	5	20.01	20.22	20.09		22	2
1.4	64QAM	3	0	20.32	20.37	20.20			
1.4	64QAM	3	1	20.18	20.27	20.22			
1.4	64QAM	3	3	20.08	20.23	20.05			
1.4	64QAM	6	0	19.30	19.31	19.23		21	3

Band 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)									
10	QPSK	1	0	22.80	23.05	22.99			
10	QPSK	1	25	22.73	22.86	22.76		24	0
10	QPSK	1	49	22.79	22.91</				



Band 7								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20650	21100	21350		
Frequency (MHz)				2310	2335	2350		
20	QPSK	1	0	22.80	22.86	22.83	24	0
20	QPSK	1	49	22.51	22.54	22.51		
20	QPSK	1	99	22.82	22.82	22.83		
20	QPSK	50	0	21.44	21.49	21.34	23	1
20	QPSK	50	24	21.30	21.43	21.30		
20	QPSK	50	50	21.29	21.44	21.33		
20	QPSK	100	0	21.42	21.51	21.48	23	1
20	16QAM	1	0	21.36	21.47	21.41		
20	16QAM	1	49	21.27	21.38	21.30		
20	16QAM	1	99	21.31	21.40	21.32	22	2
20	16QAM	50	0	20.38	20.45	20.34		
20	16QAM	50	24	20.27	20.33	20.30		
20	16QAM	50	50	20.34	20.39	20.32	22	2
20	16QAM	100	0	20.33	20.41	20.36		
20	64QAM	1	0	20.33	20.38	20.33		
20	64QAM	1	49	20.25	20.32	20.19	22	2
20	64QAM	1	99	20.14	20.29	20.23		
20	64QAM	50	0	19.39	19.50	19.37		
20	64QAM	50	24	19.38	19.42	19.38	21	3
20	64QAM	50	50	19.35	19.47	19.36		
20	64QAM	100	0	19.32	19.36	19.27		
Channel				20825	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	22.64	22.60	22.38	24	0
15	QPSK	1	37	22.42	22.47	22.37		
15	QPSK	1	74	22.44	22.47	22.46		
15	QPSK	36	0	21.33	21.34	21.26	23	1
15	QPSK	36	20	21.23	21.29	21.21		
15	QPSK	36	39	21.14	21.41	21.23		
15	QPSK	75	0	21.34	21.46	21.33	23	1
15	16QAM	1	0	21.21	21.40	21.30		
15	16QAM	1	37	21.13	21.28	21.26		
15	16QAM	1	74	21.22	21.31	21.18	22	2
15	16QAM	36	0	20.30	20.30	20.30		
15	16QAM	36	20	20.19	20.28	20.21		
15	16QAM	36	39	20.23	20.28	20.27	22	2
15	16QAM	75	0	20.23	20.32	20.21		
15	64QAM	1	0	20.24	20.28	20.21		
15	64QAM	1	37	20.16	20.28	20.05	22	2
15	64QAM	1	74	20.04	20.21	20.11		
15	64QAM	36	0	19.36	19.39	19.30		
15	64QAM	36	20	19.24	19.30	19.32	21	3
15	64QAM	36	39	19.28	19.33	19.23		
15	64QAM	75	0	19.20	19.32	19.14		
Channel				20930	21100	21400		
Frequency (MHz)				2595	2535	2585		
10	QPSK	1	0	22.50	22.57	22.48	24	0
10	QPSK	1	25	22.40	22.43	22.47		
10	QPSK	1	49	22.49	22.56	22.49		
10	QPSK	25	0	21.32	21.37	21.28	23	1
10	QPSK	25	12	21.24	21.29	21.27		
10	QPSK	25	25	21.15	21.40	21.25		
10	QPSK	50	0	21.30	21.46	21.40	23	1
10	16QAM	1	0	21.23	21.33	21.37		
10	16QAM	1	25	21.16	21.26	21.18		
10	16QAM	1	49	21.26	21.37	21.26	22	2
10	16QAM	25	0	20.27	20.37	20.22		
10	16QAM	25	12	20.22	20.19	20.18		
10	16QAM	25	25	20.29	20.26	20.26	22	2
10	16QAM	50	0	20.28	20.37	20.27		
10	64QAM	1	0	20.19	20.30	20.24		
10	64QAM	1	25	20.21	20.27	20.15	22	2
10	64QAM	1	49	20.11	20.16	20.13		
10	64QAM	25	0	19.28	19.38	19.31		
10	64QAM	25	12	19.30	19.29	19.26	21	3
10	64QAM	25	25	19.23	19.44	19.23		
10	64QAM	50	0	19.24	19.31	19.18		
Channel				20775	21100	21425		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	22.62	22.56	22.45	24	0
5	QPSK	1	12	22.42	22.42	22.40		
5	QPSK	1	24	22.41	22.58	22.47		
5	QPSK	12	0	21.33	21.37	21.19	23	1
5	QPSK	12	7	21.15	21.36	21.26		
5	QPSK	12	13	21.25	21.39	21.30		
5	QPSK	25	0	21.31	21.40	21.44	23	1
5	16QAM	1	0	21.27	21.37	21.32		
5	16QAM	1	12	21.20	21.30	21.17		
5	16QAM	1	24	21.25	21.28	21.24	22	2
5	16QAM	12	0	20.29	20.41	20.20		
5	16QAM	12	7	20.17	20.19	20.18		
5	16QAM	12	13	20.21	20.27	20.18	22	2
5	16QAM	25	0	20.28	20.34	20.24		
5	64QAM	1	0	20.23	20.35	20.26		
5	64QAM	1	12	20.20	20.19	20.15	22	2
5	64QAM	1	24	20.19	20.21	20.14		
5	64QAM	12	0	19.30	19.41	19.32		
5	64QAM	12	7	19.26	19.29	19.24	21	3
5	64QAM	12	13	19.27	19.39	19.32		
5	64QAM	25	0	19.28	19.25	19.21		





Band 38										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2590	2595	2610				
20	QPSK	1	0	22.67	22.71	22.60	24	0		
20	QPSK	1	49	22.53	22.66	22.59				
20	QPSK	1	99	22.51	22.61	22.50				
20	QPSK	50	0	21.71	21.84	21.76	23	1		
20	QPSK	50	24	21.74	21.79	21.75				
20	QPSK	50	50	21.62	21.65	21.62				
20	QPSK	100	0	21.83	21.77	21.74	23	1		
20	16QAM	1	0	21.70	21.85	21.71				
20	16QAM	1	49	21.65	21.76	21.62				
20	16QAM	1	99	21.58	21.69	21.62	22	2		
20	16QAM	50	0	20.72	20.85	20.80				
20	16QAM	50	24	20.72	20.81	20.76				
20	16QAM	50	50	20.65	20.74	20.64	22	2		
20	16QAM	100	0	20.54	20.65	20.52				
20	64QAM	1	0	20.59	20.71	20.58				
20	64QAM	1	49	20.58	20.66	20.52	22	2		
20	64QAM	1	99	20.56	20.62	20.57				
20	64QAM	50	0	19.77	19.83	19.70				
20	64QAM	50	24	19.62	19.76	19.69	21	3		
20	64QAM	50	50	19.61	19.74	19.64				
20	64QAM	100	0	19.76	19.80	19.73				
Channel				37925	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	22.62	22.67	22.47	24	0		
15	QPSK	1	37	22.47	22.60	22.54				
15	QPSK	1	74	22.47	22.55	22.41				
15	QPSK	36	0	21.75	21.72	21.72	23	1		
15	QPSK	36	20	21.89	21.72	21.86				
15	QPSK	36	39	21.56	21.60	21.52				
15	QPSK	75	0	21.54	21.69	21.70	23	1		
15	16QAM	1	0	21.66	21.82	21.66				
15	16QAM	1	37	21.52	21.71	21.47				
15	16QAM	1	74	21.48	21.63	21.58	22	2		
15	16QAM	36	0	20.81	20.84	20.74				
15	16QAM	36	20	20.68	20.66	20.70				
15	16QAM	36	39	20.55	20.64	20.58	22	2		
15	16QAM	75	0	20.40	20.52	20.46				
15	64QAM	1	0	20.48	20.66	20.46				
15	64QAM	1	37	20.48	20.53	20.49	22	2		
15	64QAM	1	74	20.52	20.56	20.46				
15	64QAM	36	0	19.66	19.68	19.56				
15	64QAM	36	20	19.40	19.65	19.57	21	3		
15	64QAM	36	39	19.52	19.61	19.57				
15	64QAM	75	0	19.63	19.76	19.68				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	22.52	22.65	22.55	24	0		
10	QPSK	1	25	22.42	22.48	22.48				
10	QPSK	1	49	22.40	22.56	22.41				
10	QPSK	25	0	21.59	21.71	21.61	23	1		
10	QPSK	25	12	21.61	21.74	21.70				
10	QPSK	25	25	21.55	21.61	21.51				
10	QPSK	50	0	21.51	21.70	21.64	23	1		
10	16QAM	1	0	21.65	21.80	21.61				
10	16QAM	1	25	21.54	21.64	21.50				
10	16QAM	1	49	21.50	21.59	21.49	22	2		
10	16QAM	25	0	20.59	20.75	20.66				
10	16QAM	25	12	20.65	20.72	20.68				
10	16QAM	25	25	20.54	20.60	20.55	22	2		
10	16QAM	50	0	20.49	20.59	20.39				
10	64QAM	1	0	20.51	20.58	20.44				
10	64QAM	1	25	20.53	20.53	20.48	22	2		
10	64QAM	1	49	20.40	20.50	20.45				
10	64QAM	25	0	19.67	19.69	19.62				
10	64QAM	25	12	19.52	19.65	19.55	21	3		
10	64QAM	25	25	19.47	19.66	19.59				
10	64QAM	50	0	19.64	19.66	19.61				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	22.56	22.58	22.51	24	0		
5	QPSK	1	12	22.48	22.52	22.54				
5	QPSK	1	24	22.44	22.49	22.37				
5	QPSK	12	0	21.64	21.73	21.65	23	1		
5	QPSK	12	7	21.66	21.68	21.71				
5	QPSK	12	13	21.49	21.56	21.57				
5	QPSK	25	0	21.54	21.65	21.69	23	1		
5	16QAM	1	0	21.64	21.78	21.60				
5	16QAM	1	12	21.57	21.65	21.48				
5	16QAM	1	24	21.44	21.64	21.55	23	1		
5	16QAM	12	0	20.69	20.81	20.70				
5	16QAM	12	7	20.66	20.76	20.69				
5	16QAM	12	13	20.58	20.65	20.57	22	2		
5	16QAM	25	0	20.43	20.52	20.40				
5	64QAM	1	0	20.47	20.66	20.45				
5	64QAM	1	12	20.44	20.62	20.46	22	2		
5	64QAM	1	24	20.48	20.57	20.50				
5	64QAM	12	0	19.67	19.80	19.58				
5	64QAM	12	7	19.48	19.70	19.65	21	3		
5	64QAM	12	13	19.51	19.63	19.59				
5	64QAM	25	0	19.62	19.76	19.66				

Band 41										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620				
Frequency (MHz)				2590	2549.5	2593				
20	QPSK	1	0	22.58	22.54	22.76	24	0		
20	QPSK	1	49	22.38	22.38	22.62				
20	QPSK	1	99	22.47	22.45	22.71				
20	QPSK	50	0	21.65	21.59	21.67	23	1		
20	QPSK	50	24	21.59	21.51	21.79				
20	QPSK	50	50	21.51	21.57	21.80				
20	QPSK	100	0	21.55	21.51	21.84	23	1		
20	16QAM	1	0	21.62	21.61	21.79				
20	16QAM	1	49	21.61	21.62	21.84				
20	16QAM	1	99	21.51	21.54	21.76	22	2		
20	16QAM	50	0	20.69	20.71	20.98				
20	16QAM	50	24	20.62	20.65	20.84				
20	16QAM	50	50	20.60	20.63	20.89	22	2		
20	16QAM	100	0	20.70	20.59	20.92				
20	64QAM	1	0	20.57	20.50	20.78				
20	64QAM	1	49	20.45	20.54	20.80	22	2		
20	64QAM	1	99	20.44	20.45	20.83				
20	64QAM	50	0	19.69	19.78	20.02				
20	64QAM	50	24	19.63	19.55	19.88	21	3		
20	64QAM	50	50	19.61	19.66	19.79				
20	64QAM	100	0	19.58	19.64	19.92				
Channel				39725	40173	40620				
Frequency (MHz)				2503.5	2548.3	2593				
15	QPSK	1	0	22.56	22.59	22.72	24	0		
15	QPSK	1	37	22.27	22.34	22.49				
15	QPSK	1	74	22.39	22.50	22.68				
15	QPSK	36	0	21.72	21.72	21.77	23	1		
15	QPSK	36	20	21.52	21.48	21.66				
15	QPSK	36	39	21.55	21.59	21.68				
15	QPSK	75	0	21.59	21.59	21.70	23	1		
15	16QAM	1	0	21.58	21.57	21.65				
15	16QAM	1	37	21.57	21.55	21.72				
15	16QAM	1	74	21.49	21.55	21.61	22	2		
15	16QAM	36	0	20.61	20.66	20.73				
15	16QAM	36	20	20.61	20.66	20.73				
15	16QAM	36	39	20.61	20.69	20.86	22	2		
15	16QAM	75	0	20.59	20.61	20.79				
15	64QAM	1	0	20.58	20.61	20.71				
15	64QAM	1	37	20.55	20.48	20.65	22	2		
15	64QAM	1	74	20.59	20.54	20.78				
15	64QAM	36	0	19.72	19.66	19.87				
15	64QAM	36	20	19.63	19.62	19.74	21	3		
15	64QAM	36	39	19.51	19.56	19.68				
15	64QAM	75	0	19.61	19.65	19.81				
Channel				39700	40160	40620				
Frequency (MHz)										



**Reduced Power Mode for Sensor on**

Sensor									
GSM850		Burst Average Power (dBm)			Time-up	Frame Average Power (dBm)			Time-up
TX Channel		125	189	251	Limit	125	189	251	Limit
Frequency (MHz)		852.2	852.4	852.6	(dBm)	852.2	852.4	852.6	(dBm)
GSM 1 Tx slot		31.73	31.79	31.61	32.50	22.73	22.79	22.61	23.50
GPRS 1 Tx slot		31.63	31.77	31.54	32.50	22.63	22.77	22.54	23.50
GPRS 3 Tx slots		29.32	29.43	29.22	30.00	23.32	23.43	23.22	24.00
GPRS 3 Tx slots		26.20	26.29	26.19	27.50	21.34	22.03	21.63	23.24
GPRS 4 Tx slots		23.96	24.01	23.76	25.00	20.96	21.01	20.76	22.00
EDGE 1 Tx slot		25.09	25.04	24.92	26.00	18.09	18.04	15.92	17.00
EDGE 3 Tx slots		22.74	22.75	22.68	24.00	16.74	16.75	16.68	18.00
EDGE 3 Tx slots		19.66	19.66	19.63	21.00	15.72	15.60	15.57	16.74
EDGE 4 Tx slots		17.75	17.96	17.68	19.00	14.75	14.96	14.68	16.00
Sensor									
GSM1900		Burst Average Power (dBm)			Time-up	Frame Average Power (dBm)			Time-up
TX Channel		512	661	810	Limit	512	661	810	Limit
Frequency (MHz)		1850.2	1850	1850.8	(dBm)	1850.2	1850	1850.8	(dBm)
GSM 1 Tx slot		24.42	24.44	24.29	27.00	17.42	17.44	17.29	18.00
GPRS 1 Tx slot		26.35	26.45	26.24	27.00	17.35	17.45	17.24	18.00
GPRS 2 Tx slots		23.35	23.68	23.54	24.50	17.55	17.68	17.54	18.50
GPRS 3 Tx slots		21.26	21.26	21.20	22.50	16.94	17.00	16.94	18.24
GPRS 4 Tx slots		18.69	18.77	18.70	19.50	15.69	15.77	15.70	16.50
EDGE 1 Tx slot		21.66	21.61	21.36	22.50	12.66	12.61	12.36	13.50
EDGE 2 Tx slots		19.08	19.32	19.06	20.50	13.08	13.32	13.06	14.50
EDGE 3 Tx slots		16.66	16.81	16.54	17.50	12.40	12.55	12.28	13.24
EDGE 4 Tx slots		14.20	14.35	14.39	15.50	11.20	11.35	11.39	12.50
Sensor									
Band		WCDMA II			Time-up	WCDMA V			Time-up
TX Channel		9202	9501	9538	Limit	4132	4181	4233	Limit
Rx Channel		9662	9950	9958	(dBm)	4357	4407	4458	(dBm)
Frequency (MHz)		1822.4	1890	1907.6		396.4	396.4	396.6	
3GPP Rel 99	AMR 12.2kops	15.93	16.00	15.90	17.00	23.19	23.28	23.21	24.00
3GPP Rel 99	RMC 12.2kops	15.96	16.06	15.91	17.00	23.25	23.37	23.34	24.00
3GPP Rel 6	HSDPA Subtest-1	14.95	14.79	15.14	16.00	22.45	22.32	22.51	23.00
3GPP Rel 6	HSDPA Subtest-2	14.93	15.21	15.18	16.00	22.41	22.29	22.27	23.00
3GPP Rel 6	HSDPA Subtest-3	14.55	14.66	14.48	15.50	22.02	22.01	21.67	22.50
3GPP Rel 6	HSDPA Subtest-4	14.41	14.50	14.50	15.50	21.90	21.89	21.92	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	14.76	14.82	15.01	16.00	22.29	22.17	22.52	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	14.95	15.30	15.04	16.00	22.37	22.66	22.62	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	14.50	14.81	14.48	15.50	21.89	22.21	21.86	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	14.37	14.67	14.76	15.50	21.77	22.05	22.10	22.50
3GPP Rel 6	HSPA Subtest-1	15.17	15.00	14.96	16.00	22.52	22.45	22.50	23.00
3GPP Rel 6	HSPA Subtest-2	12.96	13.27	12.94	14.00	20.44	20.53	20.54	21.00
3GPP Rel 6	HSPA Subtest-4	13.84	14.07	14.00	15.00	21.34	21.50	21.57	22.00
3GPP Rel 6	HSPA Subtest-5	13.11	12.84	12.96	14.00	20.53	20.36	20.41	21.00
3GPP Rel 6	HSPA Subtest-6	15.01	14.77	15.06	16.00	22.50	22.34	22.54	23.00
3GPP Rel 7	HSPA+ (HSPA) Subtest-1	12.46	12.50	12.59	13.50	19.79	19.93	20.02	20.50



Band 2 Sensor									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	15.28	15.56	15.28			
20	QPSK	1	49	15.30	15.47	15.33		17	0
20	QPSK	1	99	15.32	15.34	15.20			
20	QPSK	1	49	15.13	15.14	15.21			
20	QPSK	50	24	15.28	15.40	15.22			
20	QPSK	50	50	15.25	15.38	15.25		17	0
20	QPSK	100	0	15.33	15.37	15.24			
20	16QAM	1	0	15.19	15.28	15.13			
20	16QAM	1	49	15.30	15.17	15.12		17	0
20	16QAM	1	99	15.20	15.38	15.27			
20	16QAM	50	0	15.25	15.37	15.26			
20	16QAM	50	24	15.19	15.28	15.10		17	0
20	16QAM	100	0	15.16	15.32	15.22			
20	64QAM	1	0	15.30	15.40	15.37			
20	64QAM	1	49	15.12	15.27	15.28		17	0
20	64QAM	1	99	15.10	15.21	15.05			
20	64QAM	50	0	15.38	15.55	15.38			
20	64QAM	50	24	15.23	15.29	15.31		17	0
20	64QAM	50	50	15.33	15.23	15.23			
20	64QAM	100	0	15.39	15.41	15.30			
Channel									
Frequency (MHz)									
15	QPSK	1	0	15.17	15.46	15.24			
15	QPSK	1	37	15.31	15.35	15.23		17	0
15	QPSK	1	74	15.27	15.27	15.12			
15	QPSK	36	0	15.11	15.28	15.13			
15	QPSK	36	20	15.28	15.28	15.20			
15	QPSK	36	39	15.20	15.25	15.22		17	0
15	QPSK	75	0	15.32	15.19	15.08			
15	16QAM	1	0	15.20	15.17	15.17			
15	16QAM	1	27	15.28	15.16	15.13		17	0
15	16QAM	1	74	15.13	15.28	15.28			
15	16QAM	36	0	15.23	15.28	15.12			
15	16QAM	36	20	15.19	15.08	15.01		17	0
15	16QAM	36	39	15.08	15.31	15.27			
15	16QAM	75	0	15.08	15.24	15.02			
15	64QAM	1	0	15.07	15.18	15.11			
15	64QAM	1	37	15.08	15.11	15.14		17	0
15	64QAM	1	74	15.11	15.03	15.04			
15	64QAM	36	0	15.34	15.38	15.22			
15	64QAM	36	20	15.15	15.09	15.24		17	0
15	64QAM	36	39	15.17	15.18	15.11			
15	64QAM	75	0	15.41	15.37	15.13			
Channel									
Frequency (MHz)									
10	QPSK	1	0	15.12	15.32	15.14			
10	QPSK	1	25	15.21	15.15	15.09		17	0
10	QPSK	1	49	15.25	15.16	15.12			
10	QPSK	25	0	15.19	15.13	15.07			
10	QPSK	25	12	15.24	15.27	15.06		17	0
10	QPSK	25	25	15.04	15.18	15.18			
10	QPSK	50	0	15.20	15.07	15.04			
10	16QAM	1	0	15.11	15.13	15.17			
10	16QAM	1	25	15.22	15.16	15.08		17	0
10	16QAM	1	49	15.12	15.28	15.23			
10	16QAM	25	0	15.23	15.25	15.19			
10	16QAM	25	12	15.01	15.16	15.04		17	0
10	16QAM	25	25	15.09	15.15	15.19			
10	16QAM	50	0	15.06	15.10	15.16			
10	64QAM	1	0	15.14	15.24	15.08			
10	64QAM	1	25	15.12	15.15	15.07		17	0
10	64QAM	1	49	15.09	15.01	15.13			
10	64QAM	25	0	15.13	15.31	15.02			
10	64QAM	25	12	15.02	15.09	15.28		17	0
10	64QAM	25	25	15.13	15.08	15.08			
10	64QAM	50	0	15.32	15.20	15.18			
Channel									
Frequency (MHz)									
5	QPSK	1	0	15.10	15.28	15.15			
5	QPSK	1	12	15.14	15.16	15.05		17	0
5	QPSK	1	24	15.18	15.28	15.05			
5	QPSK	12	0	15.13	15.15	15.07			
5	QPSK	12	7	15.32	15.19	15.19		17	0
5	QPSK	12	13	15.10	15.14	15.27			
5	QPSK	25	0	15.31	15.13	15.01			
5	16QAM	1	0	15.10	15.07	15.05			
5	16QAM	1	12	15.30	15.14	15.14		17	0
5	16QAM	1	24	15.07	15.31	15.12			
5	16QAM	12	0	15.20	15.20	15.21			
5	16QAM	12	7	15.10	15.10	15.08		17	0
5	16QAM	12	13	15.16	15.18	15.20			
5	16QAM	25	0	15.18	15.10	15.10			
5	64QAM	1	0	15.15	15.20	15.02			
5	64QAM	1	12	15.14	15.13	15.09		17	0
5	64QAM	1	24	15.05	15.02	15.02			
5	64QAM	12	0	15.10	15.23	15.02			
5	64QAM	12	7	15.04	15.07	15.32		17	0
5	64QAM	12	13	15.14	15.08	15.08			
5	64QAM	25	0	15.27	15.08	15.24			
Channel									
Frequency (MHz)									
3	QPSK	1	0	15.06	15.18	15.24			
3	QPSK	1	8	15.13	15.11	15.04		17	0
3	QPSK	1	14	15.14	15.30	15.15			
3	QPSK	8	0	15.20	15.02	15.14			
3	QPSK	8	4	15.30	15.16	15.12		17	0
3	QPSK	8	7	15.12	15.19	15.35			
3	QPSK	15	0	15.23	15.04	15.10			
3	16QAM	1	0	15.19	15.04	15.06			
3	16QAM	1	8	15.30	15.14	15.23		17	0
3	16QAM	1	14	15.10	15.35	15.14			
3	16QAM	8	0	15.20	15.09	15.23			
3	16QAM	8	4	15.20	15.14	15.10		17	0
3	16QAM	8	7	15.24	15.25	15.26			
3	16QAM	15	0	15.05	15.07	15.12			
3	64QAM	1	0	15.17	15.28	15.04			
3	64QAM	1	8	15.06	15.02	15.07		17	0
3	64QAM	1	14	15.16	15.10	15.18			
3	64QAM	8	0	15.19	15.23	15.05			
3	64QAM	8	4	15.08	15.17	15.35		17	0
3	64QAM	8	7	15.22	15.28	15.08			
3	64QAM	15	0	15.20	15.04	15.25			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	15.15	15.08	15.30			
1.4	QPSK	1	3	15.04	15.19	15.00		17	0
1.4	QPSK	1	5	15.07	15.23	15.25			
1.4	QPSK	3	0	15.28	15.16	15.08			
1.4	QPSK	3	1	15.30	15.10	15.11			
1.4	QPSK	3	3	15.23	15.24	15.31		17	0
1.4	QPSK	6	0	15.25	15.04	15.15			
1.4	16QAM	1	0	15.28	15.12	15.18			
1.4	16QAM	1	3	15.21	15.16	15.22		17	0
1.4	16QAM	1	5	15.00	15.41	15.20			
1.4	16QAM	3	0	15.18	15.07	15.17			
1.4	16QAM	3	1	15.18	15.14	15.19			
1.4	16QAM	3	3	15.12	15.32	15.28		17	0
1.4	16QAM	6	0	15.02	15.04	15.02			
1.4	64QAM	1	0	15.18	15.10	15.09			
1.4	64QAM	1	3	15.15	15.02	15.15		17	0
1.4	64QAM	1	5	15.22	15.07	15.08			
1.4	64QAM	3	0	15.09	15.24	15.13			
1.4	64QAM	3	1	15.19	15.17	15.38		17	0
1.4	64QAM	3	3	15.14	15.37	15.09			
1.4	64QAM	6	0	15.24	15.19	15.19		17	0

Band 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.90	23.05	22.99			
10	QPSK	1	25	22.73	22.86	22.76		24	0
10	QPSK	1	49	22.79	22.81	22.83			
10	QPSK	25	0	22.93	22.93	22.92			
10	QPSK	25	12	21.93	21.96	21.88		23	1
10	QPSK	25	25	21.76	21.87	21.83			
10	QPSK	50	0	21.89	21.98	21.87			
10	16QAM</								





### Band 7 Sensor

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up	MPR
				Low	Middle	High		
Channel				20850	21100	21350	limit (dBm)	(dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.60	17.77	17.53	19	0
20	QPSK	1	49	17.62	17.64	17.43		
20	QPSK	1	99	17.56	17.54	17.41		
20	QPSK	50	0	17.33	17.51	17.29	19	0
20	QPSK	50	24	17.35	17.51	17.41		
20	QPSK	50	50	17.19	17.44	17.39		
20	QPSK	100	0	17.36	17.60	17.51	19	0
20	16QAM	1	0	17.35	17.44	17.35		
20	16QAM	1	49	17.36	17.52	17.27		
20	16QAM	1	99	17.41	17.31	17.26	19	0
20	16QAM	50	0	17.26	17.52	17.41		
20	16QAM	50	24	17.17	17.42	17.26		
20	16QAM	50	50	17.24	17.46	17.33	19	0
20	16QAM	100	0	17.30	17.36	17.43		
20	64QAM	1	0	17.29	17.29	17.40		
20	64QAM	1	49	17.32	17.29	17.30	19	0
20	64QAM	1	99	17.07	17.39	17.31		
20	64QAM	50	0	17.35	17.42	17.34		
20	64QAM	50	24	17.38	17.33	17.36	19	0
20	64QAM	50	50	17.29	17.38	17.36		
20	64QAM	100	0	17.43	17.30	17.18		
Channel				20825	21100	21375	Tune-up	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	17.30	17.68	17.39	19	0
15	QPSK	1	37	17.40	17.59	17.38		
15	QPSK	1	74	17.51	17.58	17.45		
15	QPSK	36	0	17.24	17.38	17.29	19	0
15	QPSK	36	20	17.26	17.45	17.32		
15	QPSK	36	39	17.00	17.36	17.24		
15	QPSK	75	0	17.21	17.42	17.29	19	0
15	16QAM	1	0	17.35	17.45	17.26		
15	16QAM	1	37	17.22	17.24	17.23		
15	16QAM	1	74	17.22	17.12	17.24	19	0
15	16QAM	36	0	17.09	17.38	17.40		
15	16QAM	36	20	17.18	17.30	17.19		
15	16QAM	36	39	17.26	17.46	17.12	19	0
15	16QAM	75	0	17.11	17.21	17.25		
15	64QAM	1	0	17.12	17.20	17.24		
15	64QAM	1	37	17.21	17.30	17.18	19	0
15	64QAM	1	74	17.02	17.27	17.31		
15	64QAM	36	0	17.21	17.31	17.13		
15	64QAM	36	20	17.22	17.21	17.27	19	0
15	64QAM	36	39	17.12	17.18	17.36		
15	64QAM	75	0	17.24	17.17	17.08		
Channel				20800	21100	21400	Tune-up	MPR
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	17.25	17.64	17.35	19	0
10	QPSK	1	25	17.19	17.41	17.25		
10	QPSK	1	49	17.39	17.50	17.40		
10	QPSK	25	0	17.13	17.39	17.17	19	0
10	QPSK	25	12	17.08	17.41	17.31		
10	QPSK	25	25	17.04	17.33	17.17		
10	QPSK	50	0	17.10	17.24	17.29	19	0
10	16QAM	1	0	17.21	17.44	17.16		
10	16QAM	1	25	17.17	17.24	17.07		
10	16QAM	1	49	17.23	17.11	17.11	19	0
10	16QAM	25	0	17.18	17.27	17.36		
10	16QAM	25	12	17.06	17.17	17.04		
10	16QAM	25	25	17.08	17.46	17.06	19	0
10	16QAM	50	0	17.19	17.11	17.19		
10	64QAM	1	0	17.12	17.20	17.10		
10	64QAM	1	25	17.21	17.31	17.08	19	0
10	64QAM	1	49	17.12	17.16	17.15		
10	64QAM	25	0	17.20	17.24	17.12		
10	64QAM	25	12	17.11	17.21	17.15	19	0
10	64QAM	25	25	17.02	17.13	17.36		
10	64QAM	50	0	17.24	17.08	17.17		
Channel				20775	21100	21425	Tune-up	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	17.25	17.42	17.21	19	0
5	QPSK	1	12	17.10	17.38	17.08		
5	QPSK	1	24	17.17	17.48	17.20		
5	QPSK	12	0	17.13	17.39	17.15	19	0
5	QPSK	12	7	17.08	17.34	17.14		
5	QPSK	12	13	17.02	17.13	17.16		
5	QPSK	25	0	17.10	17.25	17.20	19	0
5	16QAM	1	0	17.20	17.46	17.18		
5	16QAM	1	12	17.16	17.07	17.06		
5	16QAM	1	24	17.11	17.03	17.01	19	0
5	16QAM	12	0	17.07	17.19	17.28		
5	16QAM	12	7	17.16	17.18	17.18		
5	16QAM	12	13	17.02	17.41	17.14	19	0
5	16QAM	25	0	17.04	17.15	17.01		
5	64QAM	1	0	17.09	17.22	17.15		
5	64QAM	1	12	17.21	17.31	17.18	19	0
5	64QAM	1	24	17.00	17.05	17.18		
5	64QAM	12	0	17.21	17.08	17.12		
5	64QAM	12	7	17.07	17.05	17.01	19	0
5	64QAM	12	13	17.19	17.15	17.34		
5	64QAM	25	0	17.18	17.17	17.03		



Band 38 Sensor										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2330	2395	2430				
20	QPSK	1	0	19.90	19.87	19.86	21	0		
20	QPSK	1	49	19.84	19.83	19.88				
20	QPSK	1	99	19.39	19.53	19.47	21	0		
20	QPSK	50	0	19.53	19.64	19.62				
20	QPSK	50	24	19.56	19.48	19.44	21	0		
20	QPSK	50	50	19.33	19.57	19.50				
20	QPSK	100	0	19.48	19.58	19.44	21	0		
20	16QAM	1	0	19.42	19.66	19.53				
20	16QAM	1	49	19.42	19.64	19.41	21	0		
20	16QAM	1	99	19.34	19.54	19.33				
20	16QAM	50	0	19.48	19.58	19.55	21	0		
20	16QAM	50	24	19.42	19.64	19.63				
20	16QAM	50	50	19.52	19.49	19.45	21	0		
20	16QAM	100	0	19.41	19.48	19.20				
20	64QAM	1	0	19.48	19.41	19.27	21	0		
20	64QAM	1	49	19.29	19.36	19.34				
20	64QAM	1	99	19.39	19.44	19.34	21	0		
20	64QAM	50	0	19.55	19.52	19.58				
20	64QAM	50	24	19.40	19.61	19.48	21	0		
20	64QAM	50	50	19.41	19.54	19.52				
20	64QAM	100	0	19.45	19.49	19.65	21	0		
20	64QAM	100	0	19.45	19.49	19.65				
Channel				37825	38000	38175				
Frequency (MHz)				2372.5	2392.5	2412.5				
15	QPSK	1	0	19.43	19.55	19.33	21	0		
15	QPSK	1	37	19.61	19.48	19.53				
15	QPSK	1	74	19.30	19.35	19.35	21	0		
15	QPSK	36	0	19.54	19.44	19.61				
15	QPSK	36	20	19.41	19.49	19.27	21	0		
15	QPSK	36	36	19.21	19.59	19.35				
15	QPSK	75	0	19.29	19.43	19.44	21	0		
15	16QAM	1	0	19.42	19.51	19.45				
15	16QAM	1	37	19.27	19.59	19.39	21	0		
15	16QAM	1	74	19.25	19.35	19.29				
15	16QAM	36	0	19.32	19.40	19.48	21	0		
15	16QAM	36	20	19.24	19.48	19.59				
15	16QAM	36	36	19.48	19.34	19.28	21	0		
15	16QAM	75	0	19.41	19.33	19.19				
15	64QAM	1	0	19.35	19.41	19.07	21	0		
15	64QAM	1	37	19.18	19.27	19.14				
15	64QAM	1	74	19.38	19.29	19.20	21	0		
15	64QAM	36	0	19.35	19.48	19.51				
15	64QAM	36	20	19.38	19.23	19.36	21	0		
15	64QAM	36	36	19.23	19.55	19.42				
15	64QAM	75	0	19.42	19.42	19.50	21	0		
15	64QAM	75	0	19.42	19.42	19.50				
Channel				37800	38000	38200				
Frequency (MHz)				2377.5	2397.5	2417.5				
10	QPSK	1	0	19.43	19.40	19.38	21	0		
10	QPSK	1	25	19.43	19.42	19.33				
10	QPSK	1	49	19.31	19.34	19.27	21	0		
10	QPSK	25	0	19.54	19.42	19.45				
10	QPSK	25	12	19.40	19.34	19.08	21	0		
10	QPSK	25	25	19.12	19.56	19.15				
10	QPSK	50	0	19.09	19.39	19.30	21	0		
10	16QAM	1	0	19.35	19.34	19.31				
10	16QAM	1	25	19.14	19.44	19.28	21	0		
10	16QAM	1	49	19.22	19.26	19.29				
10	16QAM	25	0	19.23	19.18	19.36	21	0		
10	16QAM	25	12	19.14	19.31	19.50				
10	16QAM	25	25	19.32	19.23	19.12	21	0		
10	16QAM	50	0	19.40	19.18	19.14				
10	64QAM	1	0	19.33	19.22	19.09	21	0		
10	64QAM	1	25	19.19	19.15	19.18				
10	64QAM	1	49	19.19	19.19	19.08	21	0		
10	64QAM	25	0	19.28	19.29	19.43				
10	64QAM	25	12	19.31	19.47	19.36	21	0		
10	64QAM	25	25	19.22	19.40	19.38				
10	64QAM	50	0	19.22	19.21	19.52	21	0		
10	64QAM	50	0	19.22	19.21	19.52				
Channel				37775	38000	38225				
Frequency (MHz)				2372.5	2392.5	2412.5				
5	QPSK	1	0	19.28	19.38	19.33	21	0		
5	QPSK	1	12	19.26	19.24	19.12				
5	QPSK	1	24	19.26	19.33	19.17	21	0		
5	QPSK	12	0	19.51	19.39	19.27				
5	QPSK	12	7	19.25	19.22	19.03	21	0		
5	QPSK	12	13	19.18	19.43	19.01				
5	QPSK	25	0	19.04	19.30	19.20	21	0		
5	16QAM	1	0	19.18	19.25	19.30				
5	16QAM	1	12	19.16	19.40	19.21	21	0		
5	16QAM	1	24	19.05	19.04	19.27				
5	16QAM	12	0	19.08	19.07	19.26	21	0		
5	16QAM	12	7	19.19	19.21	19.44				
5	16QAM	12	13	19.25	19.22	19.12	21	0		
5	16QAM	25	0	19.34	19.14	19.18				
5	64QAM	1	0	19.16	19.16	19.10	21	0		
5	64QAM	1	12	19.11	19.11	19.07				
5	64QAM	1	24	19.09	19.16	19.07	21	0		
5	64QAM	12	0	19.25	19.23	19.39				
5	64QAM	12	7	19.22	19.32	19.09	21	0		
5	64QAM	12	13	19.00	19.41	19.18				
5	64QAM	25	0	19.03	19.16	19.33	21	0		
5	64QAM	25	0	19.03	19.16	19.33				

Band 41 Sensor										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2500	2549.5	2593	2638.5	2680		
20	QPSK	1	0	19.58	19.46	19.70	19.58	19.47	21	0
20	QPSK	1	49	19.43	19.27	19.58	19.46	19.38		
20	QPSK	1	99	19.55	19.52	19.67	19.60	19.35	21	0
20	QPSK	50	0	19.37	19.45	19.65	19.63	19.45		
20	QPSK	50	24	19.41	19.40	19.60	19.41	19.30	21	0
20	QPSK	50	50	19.23	19.44	19.54	19.45	19.43		
20	QPSK	100	0	19.47	19.40	19.50	19.59	19.20	21	0
20	16QAM	1	0	19.48	19.32	19.62	19.51	19.37		
20	16QAM	1	49	19.30	19.36	19.63	19.53	19.27	21	0
20	16QAM	1	99	19.43	19.42	19.66	19.41	19.32		
20	16QAM	50	0	19.43	19.40	19.67	19.63	19.40	21	0
20	16QAM	50	24	19.31	19.42	19.54	19.65	19.48		
20	16QAM	50	50	19.43	19.43	19.66	19.58	19.61	21	0
20	16QAM	100	0	19.57	19.51	19.67	19.65	19.48		
20	64QAM	1	0	19.26	19.32	19.53	19.58	19.35	21	0
20	64QAM	1	49	19.15	19.22	19.56	19.41	19.30		
20	64QAM	1	99	19.12	19.16	19.61	19.40	19.29	21	0
20	64QAM	50	0	19.42	19.55	19.49	19.66	19.49		
20	64QAM	50	24	19.32	19.36	19.68	19.65	19.49	21	0
20	64QAM	50	50	19.43	19.47	19.61	19.44	19.52		
20	64QAM	100	0	19.31	19.55	19.62	19.47	19.44	21	0
20	64QAM	100	0	19.31	19.55	19.62	19.47	19.44		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2542.5	2591.5	2633	2677.5	2723		
15	QPSK	1	0	19.48	19.15	19.52	19.44	19.27	21.00	0
15	QPSK	1	37	19.23	19.03	19.51	19.18	19.21		
15	QPSK	1	74	19.41	19.22	19.42	19.47	19.05	21.00	0
15	QPSK	36	0	19.07	19.37	19.50	19.45	19.31		
15	QPSK	36	20	19.16	19.29	19.31	19.14	19.10	21	0
15	QPSK	36	36	19.02	19.25	19.31	19.25	19.30		
15	QPSK	75	0	19.39	19.29	19.38	19.42	19.15	21	0
15	16QAM	1	0	19.38	19.16	19.47	19.19	19.17		
15	16QAM	1	37	19.05	19.24	19.39	19.43	19.15	21	0
15	16QAM	1	74	19.22	19.23	19.49	19.29	19.20		
15	16QAM	36	0							



Reduced Power Mode for Hotspot on						
GSM850			Frame Average Power (dBm)			
TX Channel	Burst Average Power (dBm)	Tune-up Limit (dBm)	512	661	810	Tune-up Limit (dBm)
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6
GSM 1 Tx slot	31.73	31.79	31.61	32.50	22.73	22.79
GPRS 1 Tx slot	31.63	31.77	31.54	32.50	22.63	22.77
GPRS 2 Tx slot	29.32	29.43	29.22	30.00	23.32	23.43
GPRS 3 Tx slot	28.20	28.20	28.10	27.50	21.94	22.03
GPRS 4 Tx slot	23.95	24.01	23.76	25.00	20.95	21.01
EDGE 1 Tx slot	25.99	25.94	24.92	26.00	18.99	18.94
EDGE 2 Tx slot	22.74	22.75	22.88	24.00	16.74	16.75
EDGE 3 Tx slot	19.98	19.88	19.83	21.00	15.72	15.60
EDGE 4 Tx slot	17.75	17.86	17.68	19.00	14.75	14.66

Hotspot						
GSM1900			Frame Average Power (dBm)			
TX Channel	Burst Average Power (dBm)	Tune-up Limit (dBm)	512	661	810	Tune-up Limit (dBm)
Frequency (MHz)	1852.2	1860	1869.8	1852.2	1860	1869.8
GSM 1 Tx slot	24.41	24.37	24.35	25.00	15.41	15.37
GPRS 1 Tx slot	24.22	24.52	24.35	25.00	15.22	15.52
GPRS 2 Tx slot	21.48	21.56	21.53	22.50	15.48	15.56
GPRS 3 Tx slot	19.00	19.24	19.18	20.50	14.91	14.88
GPRS 4 Tx slot	16.70	16.74	16.68	17.50	13.70	13.74
EDGE 1 Tx slot	19.58	19.68	19.36	20.50	10.58	10.68
EDGE 2 Tx slot	17.22	17.40	17.12	18.50	11.22	11.40
EDGE 3 Tx slot	14.52	14.70	14.52	15.50	10.50	10.26
EDGE 4 Tx slot	12.17	12.35	12.16	13.50	9.17	9.35

Hotspot								
Band			WCDMA V					
TX Channel	9002	9009	9038	Tune-up Limit (dBm)	4132	4182	4233	Tune-up Limit (dBm)
Rx Channel	8992	8990	8938		4307	4407	4458	
Frequency (MHz)	1827.4	1830	1837.6		3074	3074	3074	
3GPP Rel 99 - RMC 12.5Kbps	14.45	14.42	14.37	15.50	23.19	23.23	23.21	24.00
3GPP Rel 6 - HSDPA Subtest-1	14.47	14.48	14.43	15.50	23.25	23.37	23.34	24.00
3GPP Rel 6 - HSDPA Subtest-2	13.66	13.24	13.50	14.50	22.45	22.32	22.51	23.00
3GPP Rel 6 - HSDPA Subtest-3	13.45	13.70	13.74	14.50	22.41	22.59	22.57	23.00
3GPP Rel 6 - HSDPA Subtest-4	13.08	13.22	12.84	14.00	22.02	22.01	21.87	22.50
3GPP Rel 6 - DC-HSDPA Subtest-1	12.97	12.99	13.06	14.00	21.90	21.89	21.92	22.50
3GPP Rel 6 - DC-HSDPA Subtest-2	13.39	13.23	13.64	14.50	22.29	22.17	22.22	23.00
3GPP Rel 6 - DC-HSDPA Subtest-3	13.48	13.80	13.65	14.50	22.37	22.66	22.62	23.00
3GPP Rel 6 - DC-HSDPA Subtest-4	12.90	13.20	12.98	14.00	21.89	22.21	21.88	22.50
3GPP Rel 6 - HSUPA Subtest-1	12.73	13.18	13.23	14.00	21.77	22.05	22.10	22.50
3GPP Rel 6 - HSUPA Subtest-2	13.57	13.54	13.64	14.50	22.52	22.45	22.50	23.00
3GPP Rel 6 - HSUPA Subtest-3	11.35	11.73	11.45	12.50	20.44	20.53	20.54	21.00
3GPP Rel 6 - HSUPA Subtest-4	12.32	12.65	12.70	13.50	21.34	21.50	21.57	22.00
3GPP Rel 6 - HSPA+ (HSDM) Subtest-1	11.44	11.81	11.50	12.50	20.53	20.36	20.41	21.00
3GPP Rel 6 - HSPA+ (HSDM) Subtest-2	13.54	13.38	13.67	14.50	22.50	22.34	22.54	23.00
3GPP Rel 7 - HSPA+ (HSDM) Subtest-1	11.00	11.03	11.06	12.00	19.79	19.93	20.02	20.50





Band 2 Hotspot									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18800	19000			
Frequency (MHz)				1880	1880	1900			
20	QPSK	1	0	13.79	14.01	13.82	15.5	0	
20	QPSK	1	49	13.75	13.82	13.87			
20	QPSK	1	99	13.80	13.75	13.95			
20	QPSK	50	0	13.83	13.84	13.73			
20	QPSK	50	24	13.81	13.78	13.72	15.5	0	
20	QPSK	50	50	13.96	13.75	13.68			
20	QPSK	100	0	13.81	13.93	13.87			
20	16QAM	1	0	13.85	13.74	13.69	15.5	0	
20	16QAM	1	49	13.60	13.68	13.75			
20	16QAM	1	99	13.78	13.89	13.85			
20	16QAM	50	0	13.75	13.82	13.74			
20	16QAM	50	24	13.67	13.72	13.60	15.5	0	
20	16QAM	50	50	13.77	13.78	13.86			
20	16QAM	100	0	13.87	13.73	13.80			
20	64QAM	1	0	13.90	13.85	13.88			
20	64QAM	1	49	13.73	13.68	13.74	15.5	0	
20	64QAM	1	99	13.71	13.88	13.58			
20	64QAM	50	0	13.81	14.00	13.86			
20	64QAM	50	24	13.77	13.79	13.75	15.5	0	
20	64QAM	50	50	13.74	13.85	13.82			
20	64QAM	100	0	13.83	13.92	13.75			
Channel				18675	18900	19125			
Frequency (MHz)				1867.5	1880	1902.5			
15	QPSK	1	0	13.62	13.81	13.61	15.5	0	
15	QPSK	1	37	13.58	13.84	13.73			
15	QPSK	1	74	13.71	13.79	13.71			
15	QPSK	36	0	13.60	13.77	13.71			
15	QPSK	36	20	13.79	13.88	13.65	15.5	0	
15	QPSK	36	39	13.57	13.74	13.65			
15	QPSK	75	0	13.75	13.81	13.68			
15	16QAM	1	0	13.71	13.62	13.50	15.5	0	
15	16QAM	1	27	13.60	13.57	13.74			
15	16QAM	1	74	13.66	13.87	13.78			
15	16QAM	36	0	13.56	13.78	13.59	15.5	0	
15	16QAM	36	20	13.86	13.67	13.58			
15	16QAM	36	39	13.73	13.76	13.71			
15	16QAM	75	0	13.71	13.64	13.74	15.5	0	
15	64QAM	1	0	13.78	13.71	13.80			
15	64QAM	1	37	13.58	13.52	13.72	15.5	0	
15	64QAM	1	74	13.63	13.88	13.60			
15	64QAM	36	0	13.60	13.83	13.70			
15	64QAM	36	20	13.56	13.78	13.67	15.5	0	
15	64QAM	36	39	13.68	13.63	13.55			
15	64QAM	75	0	13.81	13.88	13.55			
Channel				18650	18900	19150			
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	0	13.56	13.62	13.51	15.5	0	
10	QPSK	1	25	13.52	13.63	13.52			
10	QPSK	1	49	13.89	13.59	13.57			
10	QPSK	25	0	13.67	13.57	13.64	15.5	0	
10	QPSK	25	12	13.59	13.69	13.53			
10	QPSK	25	25	13.58	13.63	13.54			
10	QPSK	50	0	13.64	13.68	13.65			
10	16QAM	1	0	13.53	13.63	13.58	15.5	0	
10	16QAM	1	25	13.62	13.56	13.74			
10	16QAM	1	49	13.55	13.70	13.63			
10	16QAM	25	0	13.52	13.70	13.55	15.5	0	
10	16QAM	25	12	13.59	13.50	13.57			
10	16QAM	25	25	13.61	13.75	13.55			
10	16QAM	50	0	13.55	13.63	13.72	15.5	0	
10	64QAM	1	0	13.62	13.71	13.67			
10	64QAM	1	25	13.57	13.50	13.71	15.5	0	
10	64QAM	1	49	13.52	13.84	13.58			
10	64QAM	25	0	13.56	13.63	13.57			
10	64QAM	25	12	13.59	13.57	13.59	15.5	0	
10	64QAM	25	25	13.62	13.68	13.62			
10	64QAM	50	0	13.71	13.79	13.52			
Channel				18625	18900	19175			
Frequency (MHz)				1862.5	1880	1907.5			
5	QPSK	1	0	13.65	13.62	13.63	15.5	0	
5	QPSK	1	12	13.57	13.71	13.63			
5	QPSK	1	24	13.79	13.60	13.58			
5	QPSK	12	0	13.63	13.66	13.72	15.5	0	
5	QPSK	12	7	13.70	13.75	13.56			
5	QPSK	12	13	13.65	13.74	13.55			
5	QPSK	25	0	13.62	13.78	13.71	15.5	0	
5	16QAM	1	0	13.52	13.66	13.62	15.5	0	
5	16QAM	1	12	13.62	13.56	13.64			
5	16QAM	1	24	13.53	13.72	13.70			
5	16QAM	12	0	13.63	13.80	13.55	15.5	0	
5	16QAM	12	7	13.65	13.54	13.62			
5	16QAM	12	13	13.69	13.74	13.56			
5	16QAM	25	0	13.60	13.52	13.79	15.5	0	
5	64QAM	1	0	13.67	13.66	13.64			
5	64QAM	1	12	13.61	13.59	13.68	15.5	0	
5	64QAM	1	24	13.52	13.92	13.57			
5	64QAM	12	0	13.58	13.58	13.60	15.5	0	
5	64QAM	12	7	13.70	13.54	13.60			
5	64QAM	12	13	13.61	13.54	13.70			
5	64QAM	25	0	13.73	13.89	13.55			
Channel				18615	18900	19185			
Frequency (MHz)				1861.5	1880	1908.5			
3	QPSK	1	0	13.75	13.58	13.57	15.5	0	
3	QPSK	1	8	13.60	13.63	13.66			
3	QPSK	1	14	13.62	13.57	13.63			
3	QPSK	8	0	13.56	13.65	13.75	15.5	0	
3	QPSK	8	4	13.80	13.71	13.59			
3	QPSK	8	7	13.61	13.81	13.56			
3	QPSK	15	0	13.50	13.81	13.73	15.5	0	
3	16QAM	1	0	13.58	13.58	13.64	15.5	0	
3	16QAM	1	8	13.56	13.59	13.66			
3	16QAM	1	14	13.56	13.82	13.79			
3	16QAM	8	0	13.59	13.74	13.57	15.5	0	
3	16QAM	8	4	13.65	13.59	13.61			
3	16QAM	8	7	13.59	13.67	13.60			
3	16QAM	15	0	13.56	13.52	13.86	15.5	0	
3	64QAM	1	0	13.71	13.69	13.79	15.5	0	
3	64QAM	1	8	13.61	13.60	13.71			
3	64QAM	1	14	13.55	13.83	13.55			
3	64QAM	8	0	13.59	13.57	13.56	15.5	0	
3	64QAM	8	4	13.59	13.58	13.72			
3	64QAM	8	7	13.61	13.54	13.70			
3	64QAM	15	0	13.71	13.86	13.64			
Channel				18607	18900	19193			
Frequency (MHz)				1860.7	1880	1909.3			
1.4	QPSK	1	0	13.81	13.58	13.62	15.5	0	
1.4	QPSK	1	3	13.71	13.59	13.56			
1.4	QPSK	1	5	13.75	13.59	13.62			
1.4	QPSK	3	0	13.54	13.76	13.62	15.5	0	
1.4	QPSK	3	1	13.85	13.78	13.70			
1.4	QPSK	3	3	13.52	13.80	13.50			
1.4	QPSK	6	0	13.50	13.87	13.76	15.5	0	
1.4	16QAM	1	0	13.55	13.55	13.62	15.5	0	
1.4	16QAM	1	3	13.65	13.61	13.63			
1.4	16QAM	1	5	13.57	13.86	13.73			
1.4	16QAM	3	0	13.57	13.81	13.63	15.5	0	
1.4	16QAM	3	1	13.77	13.67	13.56			
1.4	16QAM	3	3	13.59	13.56	13.58			
1.4	16QAM	6	0	13.56	13.53	13.87	15.5	0	
1.4	64QAM	1	0	13.70	13.75	13.70			
1.4	64QAM	1	3	13.53	13.69	13.63	15.5	0	
1.4	64QAM	1	5	13.51	13.77	13.65			
1.4	64QAM	3	0	13.55	13.58	13.51			
1.4	64QAM	3	1	13.59	13.58	13.62			
1.4	64QAM	3	3	13.66	13.56	13.72	15.5	0	
1.4	64QAM	6	0	13.79	13.91	13.68			

Band 5									
BW (MHz									



### Band 7 Hotspot

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				2565	2100	2135		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.60	17.77	17.53	19	0
20	QPSK	1	49	17.62	17.64	17.43		
20	QPSK	1	99	17.56	17.54	17.41		
20	QPSK	50	0	17.33	17.52	17.29	19	0
20	QPSK	50	24	17.35	17.51	17.41		
20	QPSK	50	50	17.19	17.44	17.39		
20	QPSK	100	0	17.36	17.60	17.51	19	0
20	16QAM	1	0	17.35	17.44	17.35		
20	16QAM	1	49	17.36	17.52	17.27		
20	16QAM	1	99	17.41	17.31	17.26	19	0
20	16QAM	50	0	17.26	17.52	17.41		
20	16QAM	50	24	17.17	17.42	17.26		
20	16QAM	50	50	17.24	17.46	17.33	19	0
20	16QAM	100	0	17.30	17.36	17.43		
20	64QAM	1	0	17.29	17.29	17.40		
20	64QAM	1	49	17.32	17.29	17.30	19	0
20	64QAM	1	99	17.07	17.39	17.31		
20	64QAM	50	0	17.35	17.42	17.34		
20	64QAM	50	24	17.38	17.33	17.36	19	0
20	64QAM	50	50	17.29	17.38	17.36		
20	64QAM	100	0	17.43	17.30	17.18		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	17.30	17.68	17.39	19	0
15	QPSK	1	37	17.40	17.59	17.38		
15	QPSK	1	74	17.51	17.58	17.45		
15	QPSK	36	0	17.24	17.38	17.29	19	0
15	QPSK	36	20	17.26	17.45	17.32		
15	QPSK	36	39	17.00	17.36	17.24		
15	QPSK	75	0	17.21	17.42	17.29	19	0
15	16QAM	1	0	17.35	17.45	17.26		
15	16QAM	1	37	17.22	17.24	17.23		
15	16QAM	1	74	17.22	17.12	17.24	19	0
15	16QAM	36	0	17.09	17.38	17.40		
15	16QAM	36	20	17.18	17.30	17.19		
15	16QAM	36	39	17.26	17.46	17.12	19	0
15	16QAM	75	0	17.11	17.21	17.25		
15	64QAM	1	0	17.12	17.20	17.24		
15	64QAM	1	37	17.21	17.30	17.18	19	0
15	64QAM	1	74	17.02	17.27	17.31		
15	64QAM	36	0	17.21	17.31	17.13		
15	64QAM	36	20	17.22	17.21	17.27	19	0
15	64QAM	36	39	17.12	17.18	17.36		
15	64QAM	75	0	17.24	17.17	17.08		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	17.25	17.64	17.35	19	0
10	QPSK	1	25	17.19	17.41	17.25		
10	QPSK	1	49	17.39	17.50	17.40		
10	QPSK	25	0	17.13	17.39	17.17	19	0
10	QPSK	25	12	17.08	17.41	17.31		
10	QPSK	25	25	17.04	17.33	17.17		
10	QPSK	50	0	17.10	17.24	17.29	19	0
10	16QAM	1	0	17.21	17.44	17.16		
10	16QAM	1	25	17.17	17.24	17.07		
10	16QAM	1	49	17.23	17.11	17.11	19	0
10	16QAM	25	0	17.18	17.27	17.36		
10	16QAM	25	12	17.06	17.17	17.04		
10	16QAM	25	25	17.08	17.46	17.06	19	0
10	16QAM	50	0	17.19	17.11	17.19		
10	64QAM	1	0	17.12	17.20	17.10		
10	64QAM	1	25	17.21	17.31	17.08	19	0
10	64QAM	1	49	17.12	17.16	17.15		
10	64QAM	25	0	17.20	17.24	17.12		
10	64QAM	25	12	17.11	17.21	17.15	19	0
10	64QAM	25	25	17.02	17.13	17.36		
10	64QAM	50	0	17.24	17.08	17.17		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	17.25	17.42	17.21	19	0
5	QPSK	1	12	17.10	17.38	17.08		
5	QPSK	1	24	17.17	17.48	17.20		
5	QPSK	12	0	17.13	17.39	17.15	19	0
5	QPSK	12	7	17.08	17.34	17.14		
5	QPSK	12	13	17.02	17.13	17.16		
5	QPSK	25	0	17.10	17.25	17.20	19	0
5	16QAM	1	0	17.20	17.46	17.18		
5	16QAM	1	12	17.16	17.07	17.06		
5	16QAM	1	24	17.11	17.03	17.01	19	0
5	16QAM	12	0	17.07	17.19	17.28		
5	16QAM	12	7	17.16	17.18	17.18		
5	16QAM	12	13	17.02	17.41	17.14	19	0
5	16QAM	25	0	17.04	17.15	17.01		
5	64QAM	1	0	17.09	17.22	17.15		
5	64QAM	1	12	17.21	17.31	17.18	19	0
5	64QAM	1	24	17.00	17.05	17.18		
5	64QAM	12	0	17.21	17.08	17.12		
5	64QAM	12	7	17.07	17.05	17.01	19	0
5	64QAM	12	13	17.19	17.15	17.34		
5	64QAM	25	0	17.18	17.17	17.03		



Band 38 Hotspot										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2390	2395	2390				
20	QPSK	1	0	19.90	19.97	19.99				
20	QPSK	1	49	19.84	19.93	19.99	21	0		
20	QPSK	1	99	19.39	19.53	19.47				
20	QPSK	50	0	19.53	19.64	19.62				
20	QPSK	50	24	19.56	19.48	19.44	21	0		
20	QPSK	50	50	19.33	19.57	19.50				
20	QPSK	100	0	19.48	19.58	19.44				
20	16QAM	1	0	19.42	19.66	19.53				
20	16QAM	1	49	19.42	19.64	19.41	21	0		
20	16QAM	1	99	19.40	19.54	19.33				
20	16QAM	50	0	19.48	19.55	19.55				
20	16QAM	50	24	19.42	19.64	19.63				
20	16QAM	50	50	19.52	19.49	19.45	21	0		
20	16QAM	100	0	19.41	19.48	19.20				
20	64QAM	1	0	19.48	19.41	19.27				
20	64QAM	1	49	19.29	19.36	19.34	21	0		
20	64QAM	1	99	19.39	19.44	19.34				
20	64QAM	50	0	19.55	19.52	19.58				
20	64QAM	50	24	19.41	19.61	19.48	21	0		
20	64QAM	50	50	19.41	19.54	19.52				
20	64QAM	100	0	19.45	19.49	19.65				
Channel				37825	38000	38175				
Frequency (MHz)				2372.5	2375	2372.5				
15	QPSK	1	0	19.43	19.55	19.53				
15	QPSK	1	37	19.61	19.48	19.53	21	0		
15	QPSK	1	74	19.30	19.35	19.35				
15	QPSK	36	0	19.54	19.44	19.61				
15	QPSK	36	20	19.41	19.49	19.27	21	0		
15	QPSK	36	36	19.21	19.59	19.35				
15	QPSK	75	0	19.29	19.43	19.44				
15	16QAM	1	0	19.42	19.51	19.45				
15	16QAM	1	37	19.27	19.59	19.39	21	0		
15	16QAM	1	74	19.25	19.35	19.29				
15	16QAM	36	0	19.32	19.40	19.48				
15	16QAM	36	20	19.24	19.48	19.59	21	0		
15	16QAM	36	36	19.48	19.34	19.28				
15	16QAM	75	0	19.41	19.33	19.19				
15	64QAM	1	0	19.35	19.41	19.07				
15	64QAM	1	37	19.18	19.27	19.14	21	0		
15	64QAM	1	74	19.38	19.29	19.20				
15	64QAM	36	0	19.35	19.48	19.51				
15	64QAM	36	20	19.38	19.41	19.38	21	0		
15	64QAM	36	36	19.23	19.55	19.42				
15	64QAM	75	0	19.42	19.42	19.50				
Channel				37800	38000	38200				
Frequency (MHz)				2377.5	2375	2377.5				
10	QPSK	1	0	19.43	19.40	19.38				
10	QPSK	1	25	19.43	19.42	19.33	21	0		
10	QPSK	1	49	19.31	19.34	19.27				
10	QPSK	25	0	19.54	19.42	19.45				
10	QPSK	25	12	19.40	19.34	19.08	21	0		
10	QPSK	25	25	19.12	19.56	19.15				
10	QPSK	50	0	19.09	19.39	19.30				
10	16QAM	1	0	19.35	19.34	19.31				
10	16QAM	1	25	19.14	19.44	19.28	21	0		
10	16QAM	1	49	19.22	19.26	19.29				
10	16QAM	25	0	19.23	19.18	19.36				
10	16QAM	25	12	19.14	19.31	19.50	21	0		
10	16QAM	25	25	19.32	19.23	19.12				
10	16QAM	50	0	19.40	19.18	19.14				
10	64QAM	1	0	19.33	19.22	19.09				
10	64QAM	1	25	19.19	19.15	19.18	21	0		
10	64QAM	1	49	19.19	19.19	19.08				
10	64QAM	25	0	19.28	19.29	19.43				
10	64QAM	25	12	19.31	19.47	19.38	21	0		
10	64QAM	25	25	19.22	19.40	19.38				
10	64QAM	50	0	19.22	19.21	19.52				
Channel				37775	38000	38225				
Frequency (MHz)				2372.5	2375	2372.5				
5	QPSK	1	0	19.29	19.38	19.33				
5	QPSK	1	12	19.26	19.24	19.12	21	0		
5	QPSK	1	24	19.26	19.33	19.17				
5	QPSK	12	0	19.51	19.39	19.27				
5	QPSK	12	7	19.25	19.22	19.03	21	0		
5	QPSK	12	13	19.18	19.43	19.01				
5	QPSK	25	0	19.04	19.30	19.20				
5	16QAM	1	0	19.18	19.25	19.30				
5	16QAM	1	12	19.16	19.40	19.21	21	0		
5	16QAM	1	24	19.05	19.04	19.27				
5	16QAM	12	0	19.08	19.07	19.26				
5	16QAM	12	7	19.19	19.21	19.44	21	0		
5	16QAM	12	13	19.25	19.22	19.12				
5	16QAM	25	0	19.34	19.14	19.18				
5	64QAM	1	0	19.16	19.16	19.10				
5	64QAM	1	12	19.11	19.11	19.07	21	0		
5	64QAM	1	24	19.09	19.16	19.07				
5	64QAM	12	0	19.25	19.23	19.39				
5	64QAM	12	7	19.22	19.32	19.09	21	0		
5	64QAM	12	13	19.00	19.41	19.18				
5	64QAM	25	0	19.03	19.16	19.33				

Band 41 Hotspot										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2590	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.58	19.46	19.70	19.58	19.47		
20	QPSK	1	49	19.43	19.27	19.58	19.46	19.38	21	0
20	QPSK	1	99	19.55	19.52	19.67	19.60	19.35		
20	QPSK	50	0	19.37	19.45	19.65	19.63	19.45		
20	QPSK	50	24	19.41	19.40	19.60	19.41	19.30	21	0
20	QPSK	50	50	19.23	19.44	19.54	19.45	19.43		
20	QPSK	100	0	19.47	19.40	19.50	19.59	19.20		
20	16QAM	1	0	19.48	19.32	19.62	19.51	19.37		
20	16QAM	1	49	19.30	19.36	19.63	19.53	19.27	21	0
20	16QAM	1	99	19.43	19.42	19.66	19.41	19.32		
20	16QAM	50	0	19.43	19.40	19.67	19.63	19.40		
20	16QAM	50	24	19.31	19.42	19.54	19.65	19.48	21	0
20	16QAM	50	50	19.43	19.43	19.66	19.58	19.61		
20	16QAM	100	0	19.57	19.51	19.67	19.65	19.48		
20	64QAM	1	0	19.29	19.32	19.53	19.28	19.35		
20	64QAM	1	49	19.15	19.22	19.56	19.41	19.30	21	0
20	64QAM	1	99	19.12	19.16	19.61	19.40	19.29		
20	64QAM	50	0	19.42	19.55	19.49	19.66	19.49		
20	64QAM	50	24	19.32	19.36	19.68	19.65	19.49	21	0
20	64QAM	50	50	19.43	19.47	19.61	19.44	19.52		
20	64QAM	100	0	19.31	19.55	19.62	19.47	19.44		
Channel				39725	40173	40620	41058	41515		
Frequency (MHz)				2582.5	2541.5	2593	2637.5	2693		
15	QPSK	1	0	19.48	19.15	19.52	19.44	19.27		
15	QPSK	1	37	19.23	19.03	19.51	19.18	19.21	21.00	0
15	QPSK	1	74	19.41	19.22	19.42	19.47	19.05		
15	QPSK	36	0	19.07	19.37	19.50	19.45	19.31		
15	QPSK	36	20	19.16	19.29	19.31	19.14	19.10	21	0
15	QPSK	36	36	19.02	19.25	19.31	19.25	19.30		
15	QPSK	75	0	19.39	19.29	19.38	19.42	19.15		
15	16QAM	1	0	19.38	19.16	19.47	19.19	19.17	21	0
15	16QAM	1	37	19.05	19.24	19.39	19.43	19.15		
15	16QAM	1	74	19.22	19.23	19.49	19.29	19.20		
15	16QAM	36	0	19.31	19.22</					



**Reduced Power Mode for Handheld on**

GSM850									
TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	126	189	251		126	189	251		
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4	848.6
GSM 1 Tx slot	32.72	32.84	32.89	33.50	23.72	23.84	23.89	24.50	24.50
GPRS 1 Tx slot	32.07	32.77	32.84	33.50	23.07	23.77	23.84	24.50	24.50
GPRS 2 Tx slots	29.91	30.05	29.92	31.00	23.91	24.05	23.92	25.00	25.00
GPRS 3 Tx slots	27.19	27.25	27.16	28.50	22.93	22.99	22.90	24.24	24.24
GPRS 4 Tx slots	24.93	24.98	24.85	26.00	21.93	21.98	21.85	23.00	23.00
EDGE 1 Tx slot	25.98	26.11	25.96	27.00	16.98	17.11	16.96	18.00	18.00
EDGE 2 Tx slots	23.63	23.68	23.60	25.00	17.63	17.68	17.60	19.00	19.00
EDGE 3 Tx slots	20.90	20.94	20.83	22.00	16.64	16.68	16.57	17.74	17.74
EDGE 4 Tx slots	18.75	18.83	18.80	20.00	15.75	15.85	15.80	17.00	17.00
Handheld									
GSM1900									
TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
Frequency (MHz)	1850.2	1860	1869.8	1850.2	1860	1869.8	1850.2	1860	1869.8
GSM 1 Tx slot	27.28	27.49	27.35	28.00	18.28	18.49	18.35	19.00	19.00
GPRS 1 Tx slot	27.21	27.45	27.31	28.00	18.21	18.45	18.31	19.00	19.00
GPRS 2 Tx slots	24.48	24.62	24.54	25.50	18.48	18.62	18.54	19.50	19.50
GPRS 3 Tx slots	22.02	22.23	22.24	23.50	17.76	17.97	17.98	18.24	18.24
GPRS 4 Tx slots	19.70	19.83	19.78	20.50	16.70	16.83	16.78	17.50	17.50
EDGE 1 Tx slot	22.62	22.63	22.57	23.50	13.62	13.63	13.57	14.50	14.50
EDGE 2 Tx slots	20.09	20.33	20.17	21.50	14.09	14.33	14.17	15.50	15.50
EDGE 3 Tx slots	17.58	17.82	17.63	18.50	13.32	13.56	13.37	14.24	14.24
EDGE 4 Tx slots	15.17	15.49	15.38	16.50	12.17	12.49	12.38	13.50	13.50
Handheld									
Band									
TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9282	9400	9538		4132	4182	4233		
Frequency (MHz)	1852.4	1860	1907.8	4387	4407	4508			
3GPP Rel 99	AMR 12.2Kbps	18.60	18.59	18.45	19.50	23.19	23.28	23.21	24.00
3GPP Rel 99	RMC 12.2Kbps	18.88	18.89	18.52	19.50	23.25	23.37	23.34	24.00
3GPP Rel 6	HSDPA Subtest-1	17.57	17.29	17.49	18.50	22.45	22.32	22.51	23.00
3GPP Rel 6	HSDPA Subtest-2	17.61	17.71	17.53	18.50	22.41	22.59	22.57	23.00
3GPP Rel 6	HSDPA Subtest-3	17.11	17.03	16.88	18.00	22.02	22.01	21.87	22.50
3GPP Rel 6	HSDPA Subtest-4	16.83	17.90	16.95	18.00	21.90	21.89	21.92	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	17.41	17.24	17.43	18.50	22.29	22.17	22.52	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	17.43	17.77	17.53	18.50	22.37	22.66	22.62	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	16.97	17.43	16.96	18.00	21.89	22.21	21.86	22.50
3GPP Rel 6	DC-HSDPA Subtest-4	16.82	17.07	17.31	18.00	21.77	22.05	22.10	22.50
3GPP Rel 6	HSUPA Subtest-1	17.57	17.59	17.56	18.50	22.52	22.45	22.50	23.00
3GPP Rel 6	HSUPA Subtest-2	15.36	15.74	15.59	16.50	20.44	20.53	20.54	21.00
3GPP Rel 6	HSUPA Subtest-3	16.47	16.49	16.52	17.50	21.34	21.50	21.57	22.00
3GPP Rel 6	HSUPA Subtest-4	15.45	15.50	15.45	16.50	20.53	20.36	20.41	21.00
3GPP Rel 6	HSUPA Subtest-5	17.65	17.29	17.61	18.50	22.50	22.34	22.54	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.17	15.16	15.15	16.00	19.79	19.83	20.02	20.50





Band 2 Handheld									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1880	1880	1900			
20	QPSK	1	0	17.83	18.05	17.88			
20	QPSK	1	49	17.77	17.87	17.82	19.5	0	
20	QPSK	1	99	17.73	17.84	17.71			
20	QPSK	5	0	17.72	17.81	17.82			
20	QPSK	50	24	17.88	17.77	17.82	19.5	0	
20	QPSK	50	50	17.74	17.79	17.71			
20	QPSK	100	0	17.83	17.88	17.87			
20	16QAM	1	0	17.82	17.78	17.76			
20	16QAM	1	49	17.69	17.76	17.65	19.5	0	
20	16QAM	1	99	17.73	17.89	17.71			
20	16QAM	50	0	17.83	17.81	17.75			
20	16QAM	50	24	17.62	17.76	17.66	19.5	0	
20	16QAM	50	50	17.68	17.85	17.89			
20	16QAM	100	0	17.72	17.83	17.79			
20	64QAM	1	0	17.84	17.89	17.87			
20	64QAM	1	49	17.67	17.83	17.63	19.5	0	
20	64QAM	1	99	17.71	17.67	17.55			
20	64QAM	50	0	17.78	17.90	17.87			
20	64QAM	50	24	17.84	17.74	17.78	19.5	0	
20	64QAM	50	50	17.82	17.81	17.82			
20	64QAM	100	0	17.81	17.97	17.90			
Channel				18675	18800	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	17.75	17.93	17.73			
15	QPSK	1	37	17.76	17.84	17.67	19.5	0	
15	QPSK	1	74	17.80	17.82	17.89			
15	QPSK	36	0	17.52	17.81	17.87			
15	QPSK	36	20	17.72	17.67	17.78	19.5	0	
15	QPSK	36	39	17.85	17.59	17.69			
15	QPSK	75	0	17.67	17.81	17.66			
15	16QAM	1	0	17.71	17.79	17.59			
15	16QAM	1	27	17.63	17.76	17.60	19.5	0	
15	16QAM	1	74	17.52	17.68	17.58			
15	16QAM	36	0	17.68	17.65	17.53			
15	16QAM	36	20	17.62	17.71	17.54	19.5	0	
15	16QAM	36	39	17.64	17.69	17.85			
15	16QAM	75	0	17.63	17.89	17.67			
15	64QAM	1	0	17.74	17.81	17.76			
15	64QAM	1	37	17.81	17.67	17.52	19.5	0	
15	64QAM	1	74	17.70	17.55	17.57			
15	64QAM	36	0	17.72	17.75	17.84			
15	64QAM	36	20	17.76	17.68	17.78	19.5	0	
15	64QAM	36	39	17.63	17.80	17.67			
15	64QAM	75	0	17.62	17.83	17.88			
Channel				18650	18800	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	17.71	17.81	17.54			
10	QPSK	1	25	17.59	17.74	17.61	19.5	0	
10	QPSK	1	49	17.58	17.58	17.52			
10	QPSK	25	0	17.52	17.81	17.67			
10	QPSK	25	12	17.55	17.52	17.58	19.5	0	
10	QPSK	25	25	17.63	17.58	17.50			
10	QPSK	50	0	17.68	17.79	17.53			
10	16QAM	1	0	17.58	17.79	17.55			
10	16QAM	1	27	17.63	17.69	17.60	19.5	0	
10	16QAM	1	49	17.54	17.56	17.80			
10	16QAM	25	0	17.50	17.57	17.54			
10	16QAM	25	12	17.57	17.57	17.56	19.5	0	
10	16QAM	25	25	17.63	17.54	17.77			
10	16QAM	50	0	17.52	17.72	17.53			
10	64QAM	1	0	17.58	17.75	17.59			
10	64QAM	1	25	17.55	17.68	17.52	19.5	0	
10	64QAM	1	49	17.63	17.57	17.58			
10	64QAM	25	0	17.64	17.75	17.67			
10	64QAM	25	12	17.54	17.58	17.62	19.5	0	
10	64QAM	25	25	17.69	17.86	17.50			
10	64QAM	50	0	17.55	17.77	17.80			
Channel				18625	18800	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	17.59	17.70	17.54			
5	QPSK	1	12	17.52	17.71	17.51	19.5	0	
5	QPSK	1	24	17.57	17.52	17.53			
5	QPSK	12	0	17.52	17.81	17.61			
5	QPSK	12	7	17.56	17.50	17.58	19.5	0	
5	QPSK	12	13	17.53	17.54	17.57			
5	QPSK	25	0	17.52	17.69	17.55			
5	16QAM	1	0	17.58	17.74	17.57			
5	16QAM	1	13	17.67	17.64	17.51	19.5	0	
5	16QAM	1	24	17.56	17.55	17.80			
5	16QAM	12	0	17.59	17.54	17.58			
5	16QAM	12	7	17.55	17.53	17.55	19.5	0	
5	16QAM	12	13	17.53	17.54	17.59			
5	16QAM	25	0	17.53	17.80	17.58			
5	64QAM	1	0	17.59	17.64	17.59			
5	64QAM	1	12	17.52	17.59	17.51	19.5	0	
5	64QAM	1	24	17.52	17.54	17.54			
5	64QAM	12	0	17.52	17.74	17.50			
5	64QAM	12	7	17.52	17.53	17.54	19.5	0	
5	64QAM	12	13	17.61	17.86	17.50			
5	64QAM	25	0	17.58	17.73	17.59			
Channel				18615	18800	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	17.52	17.63	17.50			
3	QPSK	1	8	17.50	17.72	17.53	19.5	0	
3	QPSK	1	14	17.52	17.57	17.51			
3	QPSK	8	0	17.66	17.52	17.53			
3	QPSK	8	4	17.54	17.53	17.59	19.5	0	
3	QPSK	8	7	17.50	17.54	17.55			
3	QPSK	15	0	17.58	17.69	17.55			
3	16QAM	1	0	17.58	17.53	17.50			
3	16QAM	1	8	17.55	17.62	17.50	19.5	0	
3	16QAM	1	14	17.55	17.57	17.58			
3	16QAM	8	0	17.50	17.56	17.55			
3	16QAM	8	4	17.57	17.55	17.54	19.5	0	
3	16QAM	8	7	17.50	17.55	17.53			
3	16QAM	15	0	17.51	17.80	17.52			
3	64QAM	1	0	17.52	17.54	17.50			
3	64QAM	1	8	17.53	17.81	17.50	19.5	0	
3	64QAM	1	14	17.54	17.57	17.55			
3	64QAM	8	0	17.53	17.58	17.59			
3	64QAM	8	4	17.51	17.58	17.58	19.5	0	
3	64QAM	8	7	17.62	17.54	17.57			
3	64QAM	15	0	17.57	17.61	17.55			
Channel				18607	18800	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	17.59	17.56	17.52			
1.4	QPSK	1	3	17.58	17.61	17.53	19.5	0	
1.4	QPSK	1	5	17.55	17.66	17.62			
1.4	QPSK	3	0	17.66	17.63	17.60			
1.4	QPSK	3	1	17.54	17.64	17.58			
1.4	QPSK	3	3	17.54	17.60	17.50	19.5	0	
1.4	QPSK	6	0	17.58	17.58	17.62			
1.4	16QAM	1	0	17.55	17.59	17.52			
1.4	16QAM	1	3	17.58	17.62	17.56	19.5	0	
1.4	16QAM	1	5	17.54	17.56	17.52			
1.4	16QAM	3	0	17.58	17.60	17.64			
1.4	16QAM	3	1	17.58	17.57	17.54	19.5	0	
1.4	16QAM	3	3	17.51	17.64	17.55			
1.4	16QAM	6	0	17.55	17.62	17.53	19.5	0	
1.4	64QAM	1	0	17.57	17.55	17.57			
1.4	64QAM	1	3	17.58	17.67	17.51			
1.4	64QAM	3	0	17.63	17.67	17.62	19.5	0	
1.4	64QAM	3	1	17.52	17.68	17.53			
1.4	64QAM	3	3	17.62	17.56	17.61			
1.4	64QAM	6	0	17.69	17.59	17.61	19.5	0	

Band 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20550	20650			
Frequency (MHz)				829	838.5	844			
10	QPSK	1	0	22.90	23.05	22.99			
10	QPSK	1	25	22.73	22.86	22.76	24	0	
10	QPSK	1	49	22.79	22.81	22.83			
10	QPSK	25	0	22.93	22.93	22.92			
10	QPSK	25	12	21.93	21.96	21.88	23	1	
10	QPSK	25	25	21.76	21.87	21.83			
10	QPSK	50	0	21.89	21.98	21.87			
10	16QAM	1	0	21.94	22.01	21.90			
10	16QAM	1	25	21.75	21.84	21.70	23	1	
10	16QAM	1	49	21.85	21.92	21.87			
10	16QAM	25	0	20.98	21.07	20.97			
10	16QAM	25	12	20.81	20.87	20.80	22	2	
10	16QAM	25	25	20.83	20.92	20.88			
10	16QAM	50	0	20.87	20.96	20.82			
10	64QAM	1	0	20.79	20.89	20.82			
10	64QAM	1	25	20.86	20.93	20.86	22	2	
10	64QAM	1	49	20.73	20.84	20.70			
10	64QAM	25	0	20.02	20.				



### Band 7 Handheld

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				2550	2100	2130		
Frequency (MHz)				2510	2535	2560		
20	GPSK	1	0	17.89	18.32	17.95	19.5	0
20	GPSK	1	49	18.08	18.15	18.02		
20	GPSK	1	99	18.08	17.99	17.85		
20	GPSK	50	0	17.99	18.11	17.87	19.5	0
20	GPSK	50	24	17.79	18.06	18.00		
20	GPSK	50	50	17.86	17.98	17.98		
20	GPSK	100	0	17.84	17.98	17.89	19.5	0
20	16QAM	1	0	17.82	18.03	17.87		
20	16QAM	1	49	17.84	17.91	17.86		
20	16QAM	1	99	17.81	17.50	17.73	19.5	0
20	16QAM	50	0	17.84	17.91	17.83		
20	16QAM	50	24	17.75	17.89	17.81		
20	16QAM	50	50	17.76	17.88	17.77	19.5	0
20	16QAM	100	0	17.75	17.84	17.97		
20	64QAM	1	0	17.87	17.82	17.86		
20	64QAM	1	49	17.72	17.90	17.75	19.5	0
20	64QAM	1	99	17.81	17.78	17.70		
20	64QAM	50	0	17.84	17.89	17.74		
20	64QAM	50	24	17.86	17.83	17.76	19.5	0
20	64QAM	50	50	17.89	17.97	17.82		
20	64QAM	100	0	17.88	17.69	17.58		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	GPSK	1	0	17.75	18.22	17.81	19.5	0
15	GPSK	1	37	17.95	18.14	17.85		
15	GPSK	1	74	17.97	17.97	17.97		
15	GPSK	36	0	17.85	17.78	17.87	19.5	0
15	GPSK	36	20	17.75	17.99	17.92		
15	GPSK	36	39	17.89	17.91	17.89		
15	GPSK	75	0	17.85	17.86	17.83	19.5	0
15	16QAM	1	0	17.87	18.01	17.86		
15	16QAM	1	37	17.84	17.78	17.82		
15	16QAM	1	74	17.83	17.73	17.85	19.5	0
15	16QAM	36	0	17.82	17.89	17.87		
15	16QAM	36	20	17.66	17.75	17.71		
15	16QAM	36	39	17.88	18.08	17.70	19.5	0
15	16QAM	75	0	17.85	17.81	17.86		
15	64QAM	1	0	17.89	17.81	17.84		
15	64QAM	1	37	17.89	17.86	17.81	19.5	0
15	64QAM	1	74	17.89	17.76	17.92		
15	64QAM	36	0	17.77	17.69	17.72		
15	64QAM	36	20	17.62	17.83	17.70	19.5	0
15	64QAM	36	39	17.89	17.71	17.78		
15	64QAM	75	0	17.78	17.73	17.70		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	GPSK	1	0	17.78	18.08	17.86	19.5	0
10	GPSK	1	25	17.74	17.89	17.76		
10	GPSK	1	49	17.96	18.08	17.85		
10	GPSK	25	0	17.75	17.89	17.85	19.5	0
10	GPSK	25	12	17.53	17.92	17.83		
10	GPSK	25	25	17.66	17.77	17.72		
10	GPSK	50	0	17.88	17.63	17.77	19.5	0
10	16QAM	1	0	17.73	17.84	17.69		
10	16QAM	1	25	17.71	17.83	17.59		
10	16QAM	1	49	17.89	17.52	17.58	19.5	0
10	16QAM	25	0	17.72	17.74	17.78		
10	16QAM	25	12	17.50	17.60	17.65		
10	16QAM	25	25	17.59	17.85	17.59	19.5	0
10	16QAM	50	0	17.56	17.89	17.77		
10	64QAM	1	0	17.73	17.74	17.52		
10	64QAM	1	25	17.66	17.81	17.66	19.5	0
10	64QAM	1	49	17.67	17.72	17.68		
10	64QAM	25	0	17.74	17.78	17.80		
10	64QAM	25	12	17.50	17.62	17.67	19.5	0
10	64QAM	25	25	17.61	17.69	17.62		
10	64QAM	50	0	17.72	17.58	17.77		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	GPSK	1	0	17.83	17.94	17.62	19.5	0
5	GPSK	1	12	17.62	17.96	17.59		
5	GPSK	1	24	17.77	18.00	17.76		
5	GPSK	12	0	17.62	17.94	17.65	19.5	0
5	GPSK	12	7	17.56	17.85	17.52		
5	GPSK	12	13	17.58	17.69	17.69		
5	GPSK	25	0	17.83	17.70	17.77	19.5	0
5	16QAM	1	0	17.73	17.83	17.70		
5	16QAM	1	12	17.67	17.54	17.52		
5	16QAM	1	24	17.58	17.65	17.58	19.5	0
5	16QAM	12	0	17.67	17.69	17.77		
5	16QAM	12	7	17.72	17.66	17.66		
5	16QAM	12	13	17.56	17.95	17.71	19.5	0
5	16QAM	25	0	17.59	17.58	17.53		
5	64QAM	1	0	17.50	17.62	17.65		
5	64QAM	1	12	17.66	17.74	17.56	19.5	0
5	64QAM	1	24	17.60	17.52	17.75		
5	64QAM	12	0	17.88	17.60	17.72		
5	64QAM	12	7	17.60	17.52	17.54	19.5	0
5	64QAM	12	13	17.66	17.69	17.65		
5	64QAM	25	0	17.87	17.65	17.58		



Band 38 Handheld										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2530	2595	2610				
20	QPSK	1	0	20.19	20.26	20.11	21.5	0		
20	QPSK	1	48	20.22	20.12	20.18				
20	QPSK	1	99	19.96	19.98	20.08	21.5	0		
20	QPSK	50	0	19.97	20.20	20.14				
20	QPSK	50	24	20.10	20.04	19.94	21.5	0		
20	QPSK	50	50	19.73	20.11	20.11				
20	QPSK	100	0	20.09	20.16	19.88	21.5	0		
20	16QAM	1	0	19.91	20.06	20.07				
20	16QAM	1	48	19.83	20.08	19.95	21.5	0		
20	16QAM	1	99	19.93	20.06	19.74				
20	16QAM	50	0	19.99	20.05	19.97	21.5	0		
20	16QAM	50	24	20.01	20.15	20.08				
20	16QAM	50	50	19.96	20.04	19.87	21.5	0		
20	16QAM	100	0	20.00	19.95	19.80				
20	64QAM	1	0	19.92	19.93	19.87	21.5	0		
20	64QAM	1	48	19.80	19.80	19.89				
20	64QAM	1	99	19.80	19.92	19.92	21	0.5		
20	64QAM	50	0	19.55	19.52	19.58				
20	64QAM	50	24	19.40	19.61	19.48	21	0.5		
20	64QAM	50	50	19.41	19.54	19.52				
20	64QAM	100	0	19.45	19.49	19.65				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2592	2612.5				
15	QPSK	1	0	19.88	19.84	19.96	21.5	0		
15	QPSK	1	37	20.17	20.07	20.06				
15	QPSK	1	74	19.77	19.91	19.89	21.5	0		
15	QPSK	36	0	19.97	19.97	20.05				
15	QPSK	36	20	19.97	20.02	19.95	21.5	0		
15	QPSK	36	36	19.65	20.10	19.79				
15	QPSK	75	0	19.90	19.87	20.06	21.5	0		
15	16QAM	1	0	19.96	20.13	19.84				
15	16QAM	1	37	19.67	20.00	19.91	21.5	0		
15	16QAM	1	74	19.81	19.85	19.86				
15	16QAM	36	0	19.85	20.02	19.95	21.5	0		
15	16QAM	36	20	19.76	19.95	20.02				
15	16QAM	36	36	20.09	19.77	19.68	21.5	0		
15	16QAM	75	0	19.92	19.87	19.78				
15	64QAM	1	0	19.88	19.82	19.68	21.5	0		
15	64QAM	1	37	19.58	19.75	19.60				
15	64QAM	1	74	19.89	19.67	19.80	21	0.5		
15	64QAM	36	0	19.35	19.48	19.51				
15	64QAM	36	20	19.38	19.47	19.38	21	0.5		
15	64QAM	36	36	19.23	19.55	19.42				
15	64QAM	75	0	19.42	19.42	19.50				
Channel				37800	38000	38200				
Frequency (MHz)				2577.5	2592	2612.5				
10	QPSK	1	0	19.90	19.79	19.84	21.5	0		
10	QPSK	1	25	19.97	19.91	19.80				
10	QPSK	1	49	19.93	19.75	19.76	21.5	0		
10	QPSK	25	0	19.94	19.84	19.86				
10	QPSK	25	12	19.82	19.76	19.70	21.5	0		
10	QPSK	25	25	19.73	20.18	19.68				
10	QPSK	50	0	19.66	19.91	19.92	21.5	0		
10	16QAM	1	0	19.93	19.74	19.84				
10	16QAM	1	25	19.76	19.83	19.71	21.5	0		
10	16QAM	1	49	19.70	19.81	19.67				
10	16QAM	25	0	19.73	19.69	19.75	21.5	0		
10	16QAM	25	12	19.67	19.89	20.02				
10	16QAM	25	25	19.92	19.67	19.66	21.5	0		
10	16QAM	50	0	19.99	19.59	19.61				
10	64QAM	1	0	19.80	19.68	19.70	21.5	0		
10	64QAM	1	25	19.71	19.54	19.80				
10	64QAM	1	49	19.64	19.75	19.67	21	0.5		
10	64QAM	25	0	19.28	19.29	19.43				
10	64QAM	25	12	19.31	19.47	19.29	21	0.5		
10	64QAM	25	25	19.22	19.40	19.38				
10	64QAM	50	0	19.22	19.21	19.52				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2592	2617.5				
5	QPSK	1	0	19.65	19.97	19.88	21.5	0		
5	QPSK	1	12	19.66	19.77	19.57				
5	QPSK	1	24	19.74	19.71	19.59	21.5	0		
5	QPSK	12	0	19.91	19.85	19.80				
5	QPSK	12	7	19.66	19.80	19.60	21.5	0		
5	QPSK	12	13	19.69	19.84	19.51				
5	QPSK	25	0	19.60	19.84	19.70	21.5	0		
5	16QAM	1	0	19.79	19.66	19.77				
5	16QAM	1	12	19.55	19.91	19.81	21.5	0		
5	16QAM	1	24	19.52	19.51	19.79				
5	16QAM	12	0	19.63	19.63	19.73	21.5	0		
5	16QAM	12	7	19.65	19.67	19.88				
5	16QAM	12	13	19.78	19.80	19.60	21.5	0		
5	16QAM	25	0	19.73	19.58	19.72				
5	64QAM	1	0	19.54	19.65	19.50	21.5	0		
5	64QAM	1	12	19.70	19.61	19.60				
5	64QAM	1	24	19.58	19.75	19.66	21	0.5		
5	64QAM	12	0	19.67	19.80	19.58				
5	64QAM	12	7	19.48	19.70	19.65	21	0.5		
5	64QAM	12	13	19.51	19.63	19.59				
5	64QAM	25	0	19.62	19.76	19.66				

Band 41 Handheld										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2590	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.03	19.94	20.03	20.16	20.09	21.5	0
20	QPSK	1	49	19.86	19.87	20.12	19.87	19.85		
20	QPSK	1	99	20.00	19.97	20.25	20.10	19.96	21.5	0
20	QPSK	50	0	19.83	19.96	20.21	20.14	19.88		
20	QPSK	50	24	19.98	19.86	20.06	19.79	19.75	21.5	0
20	QPSK	50	50	19.92	20.01	20.15	19.85	19.97		
20	QPSK	100	0	19.96	20.01	20.17	20.10	19.79	21.5	0
20	16QAM	1	0	20.02	19.75	20.22	19.98	19.88		
20	16QAM	1	49	19.79	19.77	20.18	19.95	19.80	21.5	0
20	16QAM	1	99	19.86	19.99	20.13	19.80	19.76		
20	16QAM	50	0	19.94	19.94	20.17	20.11	19.86	21.5	0
20	16QAM	50	24	19.81	20.02	20.01	20.04	19.90		
20	16QAM	50	50	19.87	19.92	20.26	20.16	20.05	21.5	0
20	16QAM	100	0	20.14	20.09	20.08	20.22	19.99		
20	64QAM	1	0	19.73	19.82	20.13	20.13	19.96	21.5	0
20	64QAM	1	49	19.87	19.68	20.02	19.99	19.87		
20	64QAM	1	99	19.81	19.98	20.09	19.91	19.76	21	0.5
20	64QAM	50	0	19.42	19.55	19.49	19.66	19.49		
20	64QAM	50	24	19.32	19.36	19.69	19.65	19.49	21	0.5
20	64QAM	50	50	19.43	19.47	19.61	19.44	19.52		
20	64QAM	100	0	19.31	19.55	19.62	19.47	19.44		
Channel				39725	40173	40620	41058	41515		
Frequency (MHz)				2590	2547	2593	2637.8	2693		
15	QPSK	1	0	20.01	19.80	20.11	20.05	20.10	21.50	0
15	QPSK	1	37	19.76	19.88	19.93	19.86	19.84		
15	QPSK	1	74	19.83	19.83	20.14	19.94	19.74	21.50	0
15	QPSK	36	0	19.80	19.94	20.14	20.15	19.70		
15	QPSK	36	20	19.87	19.83	20.00	19.75	19.86	21.50	0
15	QPSK	36	36	19.77	19.86	19.85	19.76	19.77		
15	QPSK	75	0	19.85	19.85	20.17	20.11	19.80	21.50	0
15	16QAM	1	0	19.94	19.71	20.09	19.93	19.83		
15	16QAM	1	37	19.67	19.67	20.01	19.67	19.80	21.50	0
15	16QAM	1	74	19.78	19.96	20.08	19.78	19.63		
15	16QAM	36	0	19.84	19.70	20.08	19.99	19.83	21.50	0
15	16QAM	36	20	19.70	19.87	19.95	20.00	19.78		
15	16QAM	36	36	19.88	19.85					



2CA DL

CA List	PCC								SCC				Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
	Band	Ant	(MHz)	Freq.	Channel		RB	RB	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
				(MHz)				Offset			(MHz)			(dBm)
CA_5A-7A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	22.89	23.05
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	Band 5	10M	881.5	2525	22.42	22.66
CA_7B	Band 7	Ant1	15M	2535	21100	QPSK	1	0	Band 7	5M	2544.3	3193	22.57	22.66
CA_7C	Band 7	Ant1	20M	2535	21100	QPSK	1	0	Band 7	20M	2554.6	3298	22.55	22.66
CA_38C	Band 38	Ant1	20M	2595	38000	QPSK	1	0	Band 38	20M	2614.6	38198	22.49	22.71
CA_41A-41A	Band 41	Ant1	20M	2593	40620	QPSK	1	0	Band 41	5M	2687.5	41565	22.59	22.76
CA_7A-7A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	22.62	22.66
CA_41C	Band 41	Ant0	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	22.53	22.76





## Conducted Power

2.4GHz WLAN	Ant 4 Full Power Hotspot Body worn Handheld					Ant 4 Head		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	19.90	21.50	16.95	18.00	98.33	
	6	2437	19.90	21.50	17.03	18.00		
	11	2462	18.40	20.00	16.92	18.00		
802.11g 6Mbps	1	2412	17.40	19.00	Not Required	18.00	98.26	
	6	2437	19.00	20.50		18.00		
	11	2462	17.90	19.50		18.00		
802.11n-HT20 MCS0	1	2412	17.20	18.50	Not Required	18.00	98.13	
	6	2437	18.30	19.50		18.00		
	11	2462	16.70	18.00		18.00		
802.11ac-VHT20 MCS0	1	2412	17.10	18.50	Not Required	18.00	98.15	
	6	2437	18.20	19.50		18.00		
	11	2462	16.60	18.00		18.00		

5.2GHz WLAN	Ant 4 Full Power					Ant 4 Head		Ant 4 Body Worn Handheld		Ant 4 Hotspot	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
802.11a 6Mbps	36	5180	18.26	19.50	Not Required	15.50	Not Required	19.00	Not Required	16.00	97.85
	40	5200	18.18	19.50		15.50		19.00		16.00	
	44	5220	18.23	19.50		15.50		19.00		16.00	
	48	5240	18.20	19.50		15.50		19.00		16.00	
802.11n-HT20 MCS0	36	5180	18.33	19.50	Not Required	15.50	Not Required	19.00	Not Required	16.00	98.06
	40	5200	18.24	19.50		15.50		19.00		16.00	
	44	5220	18.31	19.50		15.50		19.00		16.00	
802.11n-HT40 MCS0	38	5190	15.26	17.00	13.88	15.50	15.26	17.00	14.64	16.00	96.30
	46	5230	17.79	19.00	14.21	15.50	17.79	19.00	14.67	16.00	
802.11ac-VHT20 MCS0	36	5180	17.27	18.50	Not Required	15.50	Not Required	18.50	Not Required	16.00	98.07
	40	5200	17.20	18.50		15.50		18.50		16.00	
	44	5220	17.30	18.50		15.50		18.50		16.00	
802.11ac-VHT40 MCS0	48	5240	17.18	18.50	Not Required	15.50	Not Required	18.50	Not Required	16.00	96.31
	38	5190	15.17	16.50		15.50		16.50		16.00	
802.11ac-VHT80 MCS0	46	5230	16.90	18.50	Not Required	15.50	Not Required	18.50	Not Required	16.00	96.30
802.11ac-VHT80 MCS0	42	5210	12.99	14.50	Not Required	14.50	Not Required	14.50	Not Required	14.50	92.44

5.3GHz WLAN	Ant 4 Full Power					Ant 4 Head		Ant 4 Body Worn Handheld		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	52	5260	18.20	19.50	Not Required	15.50	Not Required	19.00	97.85	
	56	5280	18.01	19.50		15.50		19.00		
	60	5300	18.11	19.50		15.50		19.00		
	64	5320	18.03	19.50		15.50		19.00		
802.11n-HT20 MCS0	52	5260	18.06	19.50	Not Required	15.50	Not Required	19.00	98.06	
	56	5280	18.08	19.50		15.50		19.00		
	60	5300	18.03	19.50		15.50		19.00		
802.11n-HT40 MCS0	54	5270	17.61	19.00	14.09	15.50	17.61	19.00	96.30	
	62	5310	14.21	15.50	14.21	15.50	15.50			
802.11ac-VHT20 MCS0	52	5260	17.11	18.50	Not Required	15.50	Not Required	18.50	98.07	
	56	5280	17.05	18.50		15.50		18.50		
	60	5300	17.06	18.50		15.50		18.50		
802.11ac-VHT40 MCS0	64	5320	16.96	18.50	Not Required	15.50	Not Required	18.50	96.31	
	54	5270	16.84	18.50		15.50		18.50		
802.11ac-VHT80 MCS0	62	5310	14.14	15.50	Not Required	15.50	Not Required	15.50	96.30	
802.11ac-VHT80 MCS0	58	5290	11.62	13.00	Not Required	13.00	Not Required	13.00	92.44	

5.5GHz WLAN	Ant 4 Full Power					Ant 4 Head		Ant 4 Body Worn Handheld		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	18.00	19.50	Not Required	15.50	Not Required	19.00	97.85	
	116	5580	18.36	19.50		15.50		19.00		
	124	5620	18.23	19.50		15.50		19.00		
	132	5660	18.18	19.50		15.50		19.00		
	140	5700	18.04	19.50		15.50		19.00		
	144	5720	18.00	19.50		15.50		19.00		
802.11n-HT20 MCS0	100	5500	18.01	19.50	Not Required	15.50	Not Required	19.00	98.06	
	116	5580	18.13	19.50		15.50		19.00		
	124	5620	17.98	19.50		15.50		19.00		
	132	5660	17.94	19.50		15.50		19.00		
802.11n-HT40 MCS0	140	5700	18.07	19.50	Not Required	15.50	Not Required	19.00	96.30	
	144	5720	18.01	19.50		15.50		19.00		
	102	5510	15.57	17.00		15.50		15.57		17.00
	110	5550	17.61	19.00		15.50		17.91		19.00
802.11ac-VHT20 MCS0	126	5630	17.48	19.00	Not Required	15.50	Not Required	17.68	98.07	
	134	5670	17.73	19.00		15.50		17.78		19.00
	142	5710	17.41	19.00		15.50		17.61		19.00
	100	5500	16.97	18.50		15.50		18.50		18.50
802.11ac-VHT40 MCS0	116	5580	17.32	18.50	Not Required	15.50	Not Required	18.50	96.31	
	124	5620	17.21	18.50		15.50		18.50		
	132	5660	17.15	18.50		15.50		18.50		
	140	5700	17.03	18.50		15.50		18.50		
	144	5720	16.97	18.50		15.50		18.50		
	102	5510	15.52	17.50		15.50		17.50		
802.11ac-VHT80 MCS0	110	5550	16.83	18.50	Not Required	15.50	Not Required	18.50	96.31	
	126	5630	17.44	19.00		15.50		19.00		
	134	5670	16.91	18.50		15.50		18.50		
	142	5710	16.90	18.50		15.50		18.50		
802.11ac-VHT80 MCS0	106	5530	13.07	14.50	13.07	14.50	14.50	14.50	92.44	
	122	5610	16.85	18.50	13.96	15.50	15.50	15.50		
	138	5690	16.83	18.50	13.87	15.50	15.50	15.50		



	Ant 4 Full Power Handheld					Ant 4 Head		Ant 4 Body Worn		Ant 4 Hotspot					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
5.8GHz WLAN	802.11a 6Mbps	149	5745	18.73	20.50	Not Required	16.50	18.35	20.00	Not Required	18.00	97.85			
		157	5785	18.92	20.50		16.50	18.55	20.00		18.00				
		165	5825	18.80	20.50		16.50	18.41	20.00		18.00				
	802.11n-HT20 MCS0	149	5745	18.60	20.00		16.50	Not Required	20.00		18.00	98.06			
		157	5785	18.91	20.50		16.50		20.00		18.00				
		165	5825	18.62	20.00		16.50		20.00		18.00				
	802.11n-HT40 MCS0	151	5755	17.68	19.50		16.50		19.50		18.00	96.30			
		159	5795	17.91	19.50		16.50		19.50		18.00				
	802.11ac-VHT20 MCS0	149	5745	17.46	19.00		16.50		Not Required		19.00	18.00	98.07		
		157	5785	17.89	19.50		16.50				19.50	18.00			
		165	5825	17.50	19.00		16.50				19.00	18.00			
	802.11ac-VHT40 MCS0	151	5755	16.92	18.50		16.50				18.50	18.00	96.31		
		159	5795	16.94	18.50		16.50				18.50	18.00			
	802.11ac-VHT80 MCS0	155	5775	16.93	18.50		15.09				16.50	18.50	16.30	18.00	92.44

**BT BR / EDR**

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	10.50	8.00	7.90
	CH 39	2441	11.40	9.30	9.30
	CH 78	2480	10.70	9.00	9.00
Tune-up Limit			12.5	9.5	9.5

**BLE 1M**

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	6.70
	CH 19	2440	8.30
	CH 39	2480	8.10
Tune-up Limit			8.5



**Appendix F. Supplemental Tuner Head & Body SAR Results**

The results are shown as follows.



Head

Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Ig SAR (W/kg)	Average Value of Time Sweep (W/kg)																																				
									Auto-Tune	0	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100	104	108	112	116	120	124	128	132	136	140
WCDMA B2	RMC 12.2Kbps	9400	1880	-	-	Right Cheek	0mm	0.272	0.355	0.103	0.110	0.107	0.260	0.090	0.240	0.220	0.160	0.210	0.270	0.200	0.200	0.280	0.130	0.2	0.190	0.130	0.070	0.260	0.290	0.140	0.150	0.130	0.290	0.290	0.060	0.330	0.290	0.200	0.290	0.310	0.220	0.290	0.350	0.250	0.310
WCDMA B5	RMC 12.2Kbps	4182	836.4	-	-	Right Cheek	0mm	0.354	0.382	0.152	0.157	0.163	0.250	0.250	0.210	0.255	0.310	0.190	0.160	0.170	0.340	0.280	0.260	0.351	0.210	0.150	0.250	0.311	0.330	0.380	0.290	0.060	0.240	0.070	0.260	0.325	0.370	0.330	0.290	0.311	0.330	0.280	0.321	0.335	0.323
LTE B2	QPSK	18900	1880	1	0	Right Cheek	0mm	0.234	0.282	0.172	0.227	0.119	0.124	0.130	0.217	0.217	0.177	0.217	0.277	0.157	0.127	0.137	0.207	0.247	0.227	0.242	0.177	0.117	0.217	0.257	0.237	0.247	0.257	0.027	0.207	0.037	0.227	0.187	0.237	0.247	0.257	0.178	0.117	0.147	0.228
LTE B5	QPSK	20525	836.5	1	0	Right Cheek	0mm	0.341	0.366	0.131	0.136	0.217	0.277	0.157	0.127	0.137	0.289	0.169	0.139	0.149	0.319	0.247	0.227	0.337	0.177	0.117	0.217	0.357	0.297	0.347	0.257	0.027	0.307	0.247	0.227	0.337	0.277	0.297	0.257	0.316	0.297	0.247	0.346	0.322	0.353





**Body**

Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Ig SAR (W/kg)	Average Value of Time Sweep (W/kg)																																				
									Auto-Tune	0	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100	104	108	112	116	120	124	128	132	136	140
WCDMA B2	RMC 12.2Kbps	9262	1852.4	N/A	N/A	Back	5mm	1.07	1.12	0.662	0.724	1.047	1.068	1.094	1.065	1.092	0.863	1.034	0.842	1.054	0.9	1.03	0.68	1.06	0.67	1.09	0.92	0.99	0.67	1.1	0.57	1.02	0.78	0.67	0.72	0.99	0.56	0.99	0.88	0.98	0.78	1.06	0.66	1.05	0.73
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Ig SAR (W/kg)	Average Value of Time Sweep (W/kg)																																				
WCDMA B5	RMC 12.2Kbps	4233	846.6	N/A	N/A	Back	5mm	0.953	1.45	0.15	0.54	0.38	1.15	0.04	0.62	0.28	1.20	0.21	0.75	0.30	1.04	0.22	0.75	0.40	1.08	0.31	0.72	0.46	1.11	0.39	0.61	0.48	1.29	0.45	0.51	0.60	1.13	0.63	0.33	0.45	1.19	0.74	0.51	0.34	1.19
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Ig SAR (W/kg)	Average Value of Time Sweep (W/kg)																																				
LTE B2	QPSK	18700	1860	1	0	Back	5mm	0.872	0.983	0.414	0.747	0.596	0.923	0.470	0.890	0.770	0.840	0.540	0.840	0.470	0.830	0.330	0.770	0.670	0.911	0.310	0.700	0.620	0.914	0.360	0.850	0.631	0.800	0.655	0.728	0.410	0.870	0.510	0.819	0.320	0.945	0.440	0.890	0.280	0.930
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured Ig SAR (W/kg)	Average Value of Time Sweep (W/kg)																																				
LTE B5	QPSK	20525	836.5	1	0	Back	5mm	0.9	1.07	0.305	0.478	0.762	1.005	0.340	0.450	0.660	0.987	0.390	0.640	0.940	1.040	0.240	0.300	0.790	0.830	0.250	0.340	0.760	0.790	0.200	0.420	0.800	0.720	0.280	0.290	0.660	0.670	0.370	0.400	0.950	0.690	0.400	0.500	1.000	0.530



Body>1.2W/kg																														
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Auto-Tune	Average Value of Time Sweep (W/kg)																				
										0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
WCDMA BS	RMC 12.2Kbps	4233	846.6	-	-	Back	5mm	0.953	1.45	0.213	0.149	0.382	0.412	0.524	0.544	0.591	0.690	0.251	0.382	0.860	0.850	0.910	1.150	0.590	0.430	0.770	0.040	0.141	0.333	
										20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
										0.540	0.620	0.370	0.640	0.470	0.280	0.980	0.890	0.490	1.200	0.550	0.560	0.670	0.210	0.960	0.420	0.400	0.750	0.510	0.670	
										40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
										0.780	0.300	0.300	0.580	0.260	1.040	0.780	0.800	0.960	0.220	0.510	0.080	0.570	0.750	0.830	1.120	0.320	0.400	0.070	0.600	
										60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	
										0.810	1.080	1.060	0.480	0.340	0.310	0.710	0.720	0.820	0.720	0.510	0.350	0.410	0.480	0.760	0.800	1.010	1.110	0.210	0.750	
										80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
										0.640	0.380	0.770	1.030	0.470	0.610	0.730	0.680	0.680	0.480	1.100	0.410	0.320	1.290	0.800	0.620	0.580	0.450	0.360	0.490	
										100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	
										0.680	0.510	0.440	0.380	0.940	0.600	0.630	1.010	0.260	1.130	0.960	0.770	0.700	0.630	0.350	1.540	1.040	0.330	0.630	0.650	
										120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	
										1.220	0.450	0.830	1.150	1.010	1.190	0.570	1.030	0.150	0.740	1.100	0.830	0.690	0.510	0.930	0.260	0.900	0.340	0.810	0.850	
										140	141	142	143																	
										0.610	1.180	0.100	0.780																	