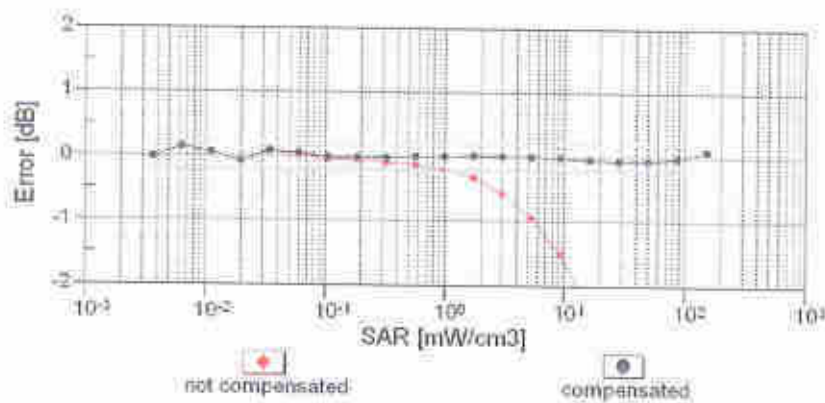
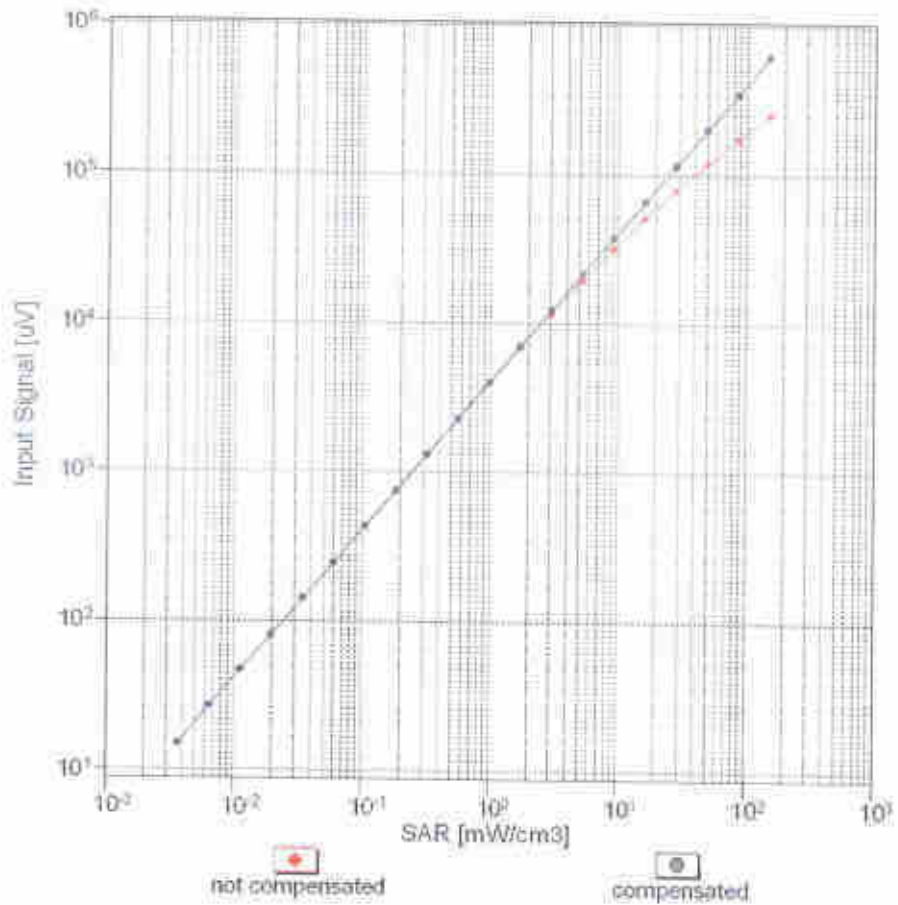
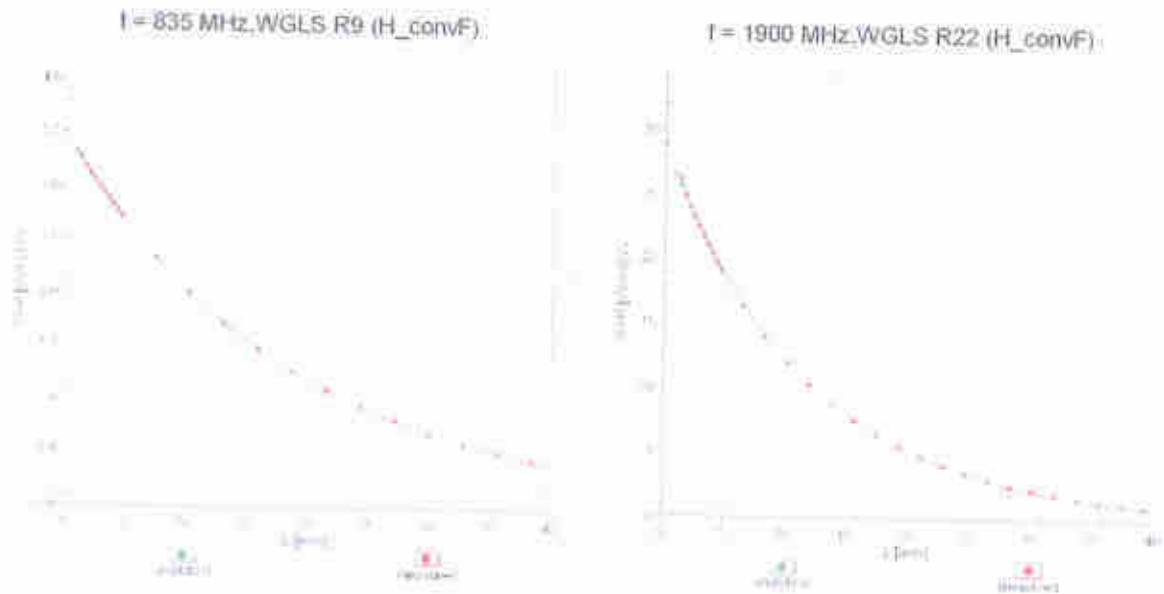


### Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell, $f_{\text{eval}} = 1900 \text{ MHz}$ )

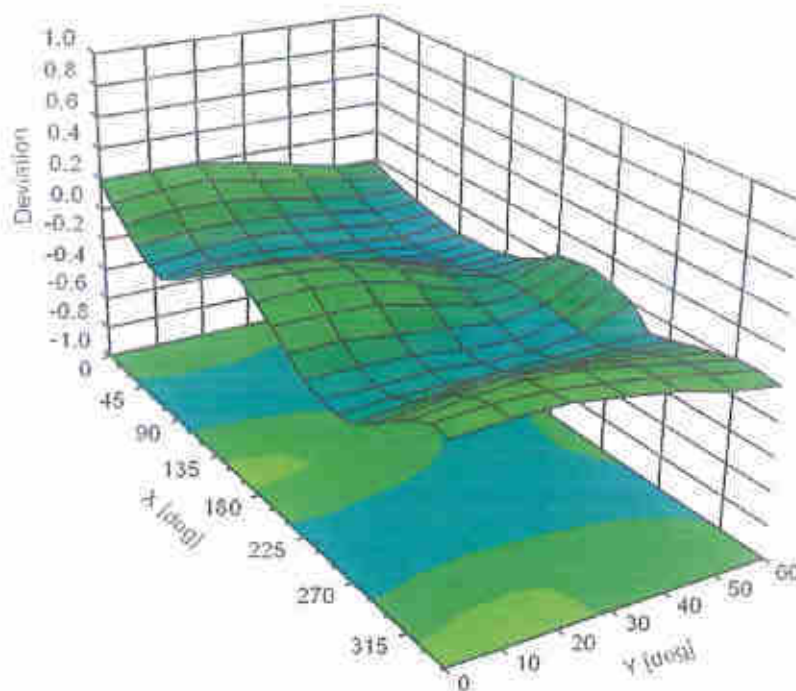


Uncertainty of Linearity Assessment:  $\pm 0.6\%$  ( $k=2$ )

## Conversion Factor Assessment



## Deviation from Isotropy in Liquid Error ( $\phi, \theta$ ), $f = 900$ 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>F</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	6.58	± 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	10.58	± 9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	± 9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	DAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %

10099	CAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6 %
10100	CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6 %
10101	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6 %
10102	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6 %
10103	DAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6 %
10104	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6 %
10105	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6 %
10108	CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6 %
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6 %
10114	CAG	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6 %
10115	CAG	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6 %
10116	CAG	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6 %
10117	CAG	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6 %
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6 %
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6 %
10140	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6 %
10141	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6 %
10142	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6 %
10143	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6 %
10144	CAC	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6 %
10145	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6 %
10146	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6 %
10147	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6 %
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6 %
10151	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6 %
10152	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6 %
10153	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6 %
10154	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	±9.6 %
10155	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6 %
10156	CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6 %
10157	CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6 %
10158	CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6 %
10160	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6 %
10161	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6 %
10162	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6 %
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6 %
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6 %
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.6 %
10169	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6 %
10170	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6 %
10171	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6 %
10172	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6 %
10173	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10174	CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10175	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6 %
10176	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6 %
10177	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6 %
10178	CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6 %
10179	AAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6 %
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6 %

10181	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10182	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10184	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10185	CAI	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAE	IEEE 802.11n (HT Greenfield, 8.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	AAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	AAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAF	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAF	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
10220	AAF	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10225	CAD	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10226	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	DAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %

10260	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10261	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	± 9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAD	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAD	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAD	PHS (QPSK, BW 884MHz, Roll-off 0.5)	PHS	11.81	± 9.6 %
10279	CAG	PHS (QPSK, BW 884MHz, Roll-off 0.38)	PHS	12.18	± 9.6 %
10280	CAG	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	CAG	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10292	CAG	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	CAG	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	CAG	CDMA2000, RC1, SO3, 1/8th Rate 25.1t	CDMA2000	12.49	± 9.6 %
10297	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %
10300	CAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	CAC	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WIMAX	12.03	± 9.6 %
10302	CAB	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WIMAX	12.57	± 9.6 %
10303	CAB	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	12.52	± 9.6 %
10304	CAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	11.86	± 9.6 %
10305	CAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WIMAX	15.24	± 9.6 %
10306	CAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WIMAX	14.67	± 9.6 %
10307	AAB	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WIMAX	14.49	± 9.6 %
10308	AAB	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WIMAX	14.46	± 9.6 %
10309	AAB	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3)	WIMAX	14.58	± 9.6 %
10310	AAB	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3)	WIMAX	14.57	± 9.6 %
10311	AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAD	IDEN 1:3	IDEN	10.51	± 9.6 %
10314	AAD	IDEN 1:6	IDEN	13.48	± 9.6 %
10315	AAD	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.71	± 9.6 %
10316	AAD	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.36	± 9.6 %
10317	AAA	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	± 9.6 %
10401	AAA	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6 %
10402	AAA	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAD	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %

10410	AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL, Sub=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6 %
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	±9.6 %
10416	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	±9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	±9.6 %
10417	AAA	IEEE 802.11a/n WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	±9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	±9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	±9.6 %
10422	AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6 %
10423	AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6 %
10424	AAE	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6 %
10425	AAE	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6 %
10428	AAE	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.6 %
10430	AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6 %
10431	AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6 %
10432	AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6 %
10434	AAG	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6 %
10435	AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6 %
10447	AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6 %
10448	AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	±9.6 %
10448	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	±9.6 %
10450	AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6 %
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6 %
10453	AAC	Validation (Square, 10ms, 1ms)	Test	10.00	±9.6 %
10456	AAC	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	±9.6 %
10457	AAC	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6 %
10458	AAC	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6 %
10459	AAC	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6 %
10460	AAC	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±9.6 %
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6 %
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	±9.6 %
10463	AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	±9.6 %
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6 %
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6 %
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6 %
10467	AAA	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6 %
10469	AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	±9.6 %
10470	AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6 %
10471	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6 %
10472	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6 %
10473	AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6 %
10474	AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6 %
10475	AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6 %
10477	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6 %
10478	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6 %
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6 %
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	±9.6 %
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	±9.6 %
10482	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	±9.6 %
10483	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	±9.6 %
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	±9.6 %
10485	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	±9.6 %
10486	AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	±9.6 %
10487	AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	±9.6 %

10488	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	± 9.6 %
10489	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	± 9.6 %
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	± 9.6 %
10496	AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10497	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10498	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	± 9.6 %
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	± 9.6 %
10500	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10501	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %
10503	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	± 9.6 %
10504	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10505	AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10506	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10507	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	± 9.6 %
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	± 9.6 %
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	± 9.6 %
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	± 9.6 %
10514	AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10515	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10516	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	± 9.6 %
10517	AAF	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10518	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10519	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	± 9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	± 9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	± 9.6 %
10524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	± 9.6 %
10525	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	± 9.6 %
10526	AAF	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6 %
10527	AAF	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	± 9.6 %
10528	AAF	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAF	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10531	AAF	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
10532	AAF	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10533	AAE	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534	AAE	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAE	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAF	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAF	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAF	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.65	± 9.6 %
10544	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	± 9.6 %
10545	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %



10546	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.36	±9.6 %
10547	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	±9.6 %
10548	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	±9.6 %
10550	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.38	±9.6 %
10551	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	±9.6 %
10552	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	±9.6 %
10553	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	±9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	±9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	±9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	±9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	±9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	±9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	±9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	±9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	±9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	±9.6 %
10564	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	±9.6 %
10565	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	±9.6 %
10566	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	±9.6 %
10567	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	±9.6 %
10568	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	±9.6 %
10569	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	±9.6 %
10570	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	±9.6 %
10571	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	±9.6 %
10572	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	±9.6 %
10573	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	±9.6 %
10574	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	±9.6 %
10575	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	±9.6 %
10576	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	±9.6 %
10577	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	±9.6 %
10578	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	±9.6 %
10579	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	±9.6 %
10580	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	±9.6 %
10581	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	±9.6 %
10582	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	±9.6 %
10583	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	±9.6 %
10584	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	±9.6 %
10585	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	±9.6 %
10586	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	±9.6 %
10587	AAA	IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	±9.6 %
10588	AAA	IEEE 802.11a/n WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	±9.6 %
10589	AAA	IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	±9.6 %
10590	AAA	IEEE 802.11a/n WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	±9.6 %
10591	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	±9.6 %
10592	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	±9.6 %
10593	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	±9.6 %
10594	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	±9.6 %
10595	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	±9.6 %
10596	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	±9.6 %
10597	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	±9.6 %
10598	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	±9.6 %
10599	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	±9.6 %
10600	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	±9.6 %
10601	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	±9.6 %
10602	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	±9.6 %
10603	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	±9.6 %

10604	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %
10605	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97	± 9.6 %
10606	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10607	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6 %
10610	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAC	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10614	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
10615	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10616	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10617	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	± 9.6 %
10618	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	± 9.6 %
10619	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	± 9.6 %
10620	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAC	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10622	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	± 9.6 %
10623	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10624	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	± 9.6 %
10625	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10628	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	± 9.6 %
10629	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10630	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	± 9.6 %
10631	AAC	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10633	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.11	± 9.6 %
10646	AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAC	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAC	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAC	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAC	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAC	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAC	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAC	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAC	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAD	IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	9.09	± 9.6 %

10672	AAD	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %
10673	AAD	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAD	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAD	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAD	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAD	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAD	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAD	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAD	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAG	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAF	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10684	AAC	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAC	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAE	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAE	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAD	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAE	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAB	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.88	± 9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706	AAC	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAC	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAC	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAC	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAC	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAC	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAC	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.87	± 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	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6 %
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6 %
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6 %
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6 %
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6 %
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6 %
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6 %
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6 %
10775	AAC	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6 %
10776	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6 %
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6 %
10778	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6 %
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6 %
10780	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6 %
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6 %
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6 %

10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10823	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %

10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAD	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAD	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAD	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAD	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAD	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAD	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAD	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAD	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %

10922	AAD	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923	AAD	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAB	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %

<sup>6</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 tables are shown as follows.





Full Power Mode for UAT

GSM850 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	30.30	30.15	30.20	32.00	21.30	21.15	21.20	23.00
GPRS 1 Tx slot	30.31	30.17	30.26	32.00	21.31	21.17	21.26	23.00
GPRS 2 Tx slots	29.46	29.51	29.42	30.50	23.46	23.51	23.42	24.50
GPRS 3 Tx slots	27.34	27.37	27.36	28.50	23.08	23.11	23.10	24.24
GPRS 4 Tx slots	26.27	26.36	26.11	28.00	23.27	23.36	23.11	25.00
EDGE 1 Tx slot	24.97	24.35	24.62	26.00	15.97	15.35	15.62	17.00
EDGE 2 Tx slots	23.08	23.13	22.91	24.00	17.08	17.13	16.91	18.00
EDGE 3 Tx slots	22.26	21.92	22.34	23.00	18.00	17.66	18.08	18.74
EDGE 4 Tx slots	21.55	21.23	21.59	22.50	18.55	18.23	18.59	19.50

GSM1900 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	1850.2	1850	1909.8		1850.2	1850	1909.8	
GSM 1 Tx slot	26.56	26.58	26.72	28.30	17.56	17.58	17.72	19.30
GPRS 1 Tx slot	26.60	26.62	26.73	28.30	17.60	17.62	17.73	19.30
GPRS 2 Tx slots	24.83	25.24	24.85	26.80	18.83	19.24	18.85	20.80
GPRS 3 Tx slots	22.85	23.16	22.81	24.80	18.50	18.90	18.55	20.54
GPRS 4 Tx slots	21.46	21.52	21.37	23.30	18.46	18.52	18.37	20.30
EDGE 1 Tx slot	22.83	22.69	22.47	24.40	13.83	13.69	13.47	15.40
EDGE 2 Tx slots	21.25	20.91	20.86	22.80	15.25	14.91	14.86	16.80
EDGE 3 Tx slots	20.30	20.23	20.15	21.80	16.04	15.97	15.89	17.54
EDGE 4 Tx slots	19.06	18.98	18.88	20.80	16.06	15.98	15.88	17.80

Band TX Channel Frequency (MHz)	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9262	9460	9538		1312	1413	1513		4132	4182	4233	
	9662	9800	9938		1537	1638	1738		4367	4407	4458	
	1932.4	1930	1997.6		1712.4	1732.3	1752.3		4264	4304	4316	
3GPP Rel 99 AMR 12.2Kbps	21.73	21.86	21.68	23.30	21.81	21.95	21.86	23.30	22.78	22.78	22.78	24.30
3GPP Rel 99 RMC 12.2Kbps	22.08	22.12	21.92	23.30	22.04	22.23	22.09	23.30	22.81	22.78	22.83	24.30
3GPP Rel 6 HSDPA Subtest-1	20.71	20.92	20.72	22.30	20.73	20.94	20.81	22.30	21.85	21.76	21.80	23.30
3GPP Rel 6 HSDPA Subtest-2	20.78	20.94	20.73	22.30	20.75	20.89	20.80	22.30	21.86	21.80	21.86	23.30
3GPP Rel 6 HSDPA Subtest-3	20.27	20.43	20.26	21.80	20.19	20.46	20.29	21.80	21.35	21.28	21.31	22.80
3GPP Rel 6 HSDPA Subtest-4	20.27	20.38	20.22	21.80	20.22	20.42	20.31	21.80	21.38	21.28	21.30	22.80
3GPP Rel 8 DC-HSDPA Subtest-1	20.83	21.04	20.84	22.30	20.85	21.06	20.93	22.30	21.97	21.88	21.92	23.30
3GPP Rel 8 DC-HSDPA Subtest-2	20.90	21.06	20.85	22.30	20.87	21.01	20.92	22.30	21.98	21.92	21.98	23.30
3GPP Rel 8 DC-HSDPA Subtest-3	20.39	20.55	20.38	21.80	20.31	20.58	20.41	21.80	21.47	21.40	21.43	22.80
3GPP Rel 8 DC-HSDPA Subtest-4	20.39	20.50	20.34	21.80	20.34	20.54	20.43	21.80	21.50	21.40	21.42	22.80
3GPP Rel 6 HSUPA Subtest-1	20.83	20.96	20.81	22.30	20.87	21.06	20.91	22.30	21.84	21.86	21.82	23.30
3GPP Rel 6 HSUPA Subtest-2	18.78	18.98	18.77	20.30	18.84	19.04	18.87	20.30	19.84	19.82	19.85	21.30
3GPP Rel 6 HSUPA Subtest-3	19.77	19.92	19.68	21.30	19.78	20.05	19.89	21.30	20.83	20.80	20.84	22.30
3GPP Rel 6 HSUPA Subtest-4	18.78	18.98	18.73	20.30	19.01	19.04	18.90	20.30	19.83	19.80	19.82	21.30
3GPP Rel 6 HSUPA Subtest-5	20.80	20.90	20.80	22.30	20.90	21.10	20.90	22.30	21.90	21.80	21.90	23.30
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	18.94	19.00	18.86	19.80	18.89	19.04	19.00	19.80	19.97	19.81	19.99	20.80

Band TX Channel Frequency (MHz)	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
	1013	384	777		25	600	1175		476	580	684	
	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
RC1 SO65	22.81	22.88	22.79	23.80	21.19	21.35	21.18	22.80	22.77	22.79	22.78	23.80
RC3 SO65	22.78	22.82	22.81	23.80	21.18	21.22	21.16	22.80	22.73	22.74	22.73	23.80
RC3 SO32 (F+SCH)	22.71	22.78	22.72	23.80	21.22	21.23	21.17	22.80	22.70	22.71	22.74	23.80
RC3 SO32 (R+SCH)	22.79	22.82	22.71	23.80	21.08	21.15	21.05	22.80	22.67	22.69	22.68	23.80
RTAP: 15.5 kbps	22.51	22.57	22.55	23.80	21.22	21.24	21.17	22.80	22.48	22.55	22.52	23.80
RETAP: 4096Bps	22.50	22.52	22.50	23.80	21.18	21.30	21.17	22.80	22.47	22.53	22.52	23.80















Full Power Mode for LAT

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	31.95	31.34	31.65	33.30	22.95	22.34	22.65	24.30
GPRS 1 Tx slot	31.98	31.37	31.73	33.30	22.98	22.37	22.73	24.30
GPRS 2 Tx slots	30.22	30.12	30.05	31.80	24.22	24.12	24.05	25.80
GPRS 3 Tx slots	28.10	27.88	28.08	29.80	23.84	23.62	23.82	25.54
GPRS 4 Tx slots	27.43	27.34	27.42	29.30	24.43	24.34	24.42	26.30
EDGE 1 Tx slot	26.05	26.45	26.01	27.30	17.05	17.45	17.01	18.30
EDGE 2 Tx slots	23.82	24.26	23.84	25.30	17.82	18.26	17.84	19.30
EDGE 3 Tx slots	22.70	23.34	22.75	24.30	18.44	19.08	18.49	20.04
EDGE 4 Tx slots	22.02	22.30	22.12	23.80	19.02	19.30	19.12	20.80

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1869.8		1850.2	1860	1869.8	
GSM 1 Tx slot	29.40	29.12	29.58	30.30	20.40	20.12	20.58	21.30
GPRS 1 Tx slot	29.33	29.35	29.50	30.30	20.33	20.35	20.50	21.30
GPRS 2 Tx slots	27.00	27.15	27.11	28.80	21.00	21.15	21.11	22.80
GPRS 3 Tx slots	25.45	25.90	25.74	26.80	21.19	21.64	21.48	22.54
GPRS 4 Tx slots	23.90	24.25	24.13	25.30	20.90	21.25	21.13	22.30
EDGE 1 Tx slot	25.13	25.42	25.16	26.30	16.13	16.42	16.16	17.30
EDGE 2 Tx slots	23.50	23.80	23.35	24.80	17.50	17.80	17.35	18.80
EDGE 3 Tx slots	22.40	22.77	22.67	23.80	18.14	18.51	18.41	19.54
EDGE 4 Tx slots	21.12	21.45	21.24	22.80	18.12	18.45	18.24	19.80

Band	WCDMA II	Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)			
			1312	1413	1513		4192	4192	4238				
TX Channel	8262	8100	8638				4192	4192	4238				
Rx Channel	8682	8900	8938				4387	4407	4458				
Frequency (MHz)	1852.4	1880	1907.6				826.4	836.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	23.75	23.90	23.68	24.80	23.65	23.89	23.75	24.80	24.02	24.01	24.01	24.80
3GPP Rel 99	RMC 12.2Kbps	23.78	23.92	23.77	24.80	23.69	23.91	23.76	24.80	24.01	24.04	24.05	24.80
3GPP Rel 6	HSDPA Subtest-1	22.80	22.93	22.80	23.80	22.69	22.90	22.76	23.80	23.15	23.09	23.09	23.80
3GPP Rel 6	HSDPA Subtest-2	22.77	22.92	22.81	23.80	22.65	22.86	22.79	23.80	23.17	23.13	23.13	23.80
3GPP Rel 6	HSDPA Subtest-3	22.33	22.42	22.29	23.30	22.14	22.37	22.25	23.30	22.64	22.62	22.61	23.30
3GPP Rel 6	HSDPA Subtest-4	22.28	22.40	22.29	23.30	22.17	22.41	22.27	23.30	22.66	22.61	22.60	23.30
3GPP Rel 8	DC-HSDPA Subtest-1	22.91	23.04	22.91	23.80	22.80	23.01	22.87	23.80	23.26	23.20	23.20	23.80
3GPP Rel 8	DC-HSDPA Subtest-2	22.88	23.03	22.92	23.80	22.76	22.97	22.90	23.80	23.28	23.24	23.24	23.80
3GPP Rel 8	DC-HSDPA Subtest-3	22.44	22.53	22.40	23.30	22.25	22.48	22.36	23.30	22.75	22.73	22.72	23.30
3GPP Rel 8	DC-HSDPA Subtest-4	22.39	22.51	22.40	23.30	22.28	22.52	22.38	23.30	22.77	22.72	22.71	23.30
3GPP Rel 6	HSUPA Subtest-1	22.82	22.98	22.86	23.80	22.69	22.97	22.78	23.80	23.15	23.17	23.12	23.80
3GPP Rel 6	HSUPA Subtest-2	20.80	20.99	20.83	21.80	20.66	20.94	20.78	21.80	21.14	21.12	21.10	21.80
3GPP Rel 6	HSUPA Subtest-3	21.81	21.96	21.79	22.80	21.65	21.90	21.76	22.80	22.12	22.13	22.11	22.80
3GPP Rel 6	HSUPA Subtest-4	20.79	20.96	20.82	21.80	20.74	20.90	20.78	21.80	21.15	21.11	21.11	21.80
3GPP Rel 6	HSUPA Subtest-5	22.80	22.90	22.80	23.80	22.70	22.90	22.80	23.80	23.10	23.20	23.10	23.80
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.74	20.86	20.75	21.30	20.71	20.88	20.85	21.30	21.18	21.25	21.08	21.30

Band	CDMA BC0	Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)		
			25	600	1175		476	580	684			
TX Channel	1013	384	777									
Frequency (MHz)	824.7	836.52	848.31									
RC1 SOCS	23.91	24.00	23.99	24.80	23.64	23.85	23.70	24.80	23.81	23.88	23.78	24.80
RC3 SOCS	23.73	23.74	23.72	24.80	23.61	23.72	23.67	24.80	23.46	23.47	23.45	24.80
RC3 SOCS (FSSCH)	23.78	23.80	23.77	24.80	23.64	23.76	23.68	24.80	23.51	23.49	23.46	24.80
RC3 SOCS (FSSCH)	23.80	23.82	23.79	24.80	23.56	23.62	23.57	24.80	23.55	23.56	23.59	24.80
RTAP 163.6Kbps	23.67	23.75	23.65	24.80	23.62	23.74	23.65	24.80	23.45	23.56	23.47	24.80
RETAP 4096Bps	23.66	23.72	23.64	24.80	23.61	23.70	23.63	24.80	23.44	23.51	23.46	24.80















Reduced Power Level 1 for Head for UAT

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	178	189	251		178	189	251	
TX Channel	824.2	838.4	848.8	824.2	838.4	848.8		
Frequency (MHz)								
GSM 1 Tx slot	30.26	30.48	30.16	31.60	21.26	21.48	21.16	22.80
GPRS 1 Tx slot	30.27	30.51	30.19	31.60	21.27	21.51	21.19	22.80
GPRS 2 Tx slots	28.05	28.15	28.10	28.60	22.05	22.15	22.10	22.60
GPRS 3 Tx slots	25.85	25.95	25.89	26.60	21.59	21.69	21.63	22.34
GPRS 4 Tx slots	24.52	24.65	24.63	25.60	21.52	21.65	21.63	22.60
EDGE 1 Tx slot	24.97	24.35	24.82	26.00	15.97	15.35	15.82	17.00
EDGE 2 Tx slots	23.08	23.13	22.91	24.00	17.08	17.13	16.91	18.00
EDGE 3 Tx slots	22.26	21.92	22.34	23.00	18.00	17.66	18.08	18.74
EDGE 4 Tx slots	21.55	21.23	21.59	22.50	18.55	18.23	18.59	19.50

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	651	810		512	651	810	
TX Channel	1850.2	1880	1909.8	1850.2	1880	1909.8		
Frequency (MHz)								
GSM 1 Tx slot	26.47	26.56	26.44	27.80	17.47	17.56	17.44	18.80
GPRS 1 Tx slot	26.50	26.58	26.45	27.80	17.50	17.58	17.45	18.80
GPRS 2 Tx slots	24.48	24.63	24.36	25.30	18.48	18.63	18.36	19.30
GPRS 3 Tx slots	22.76	22.74	22.57	23.30	18.50	18.48	18.31	19.04
GPRS 4 Tx slots	21.28	21.19	20.92	21.80	18.28	18.19	17.92	18.80
EDGE 1 Tx slot	22.45	22.89	22.82	23.90	13.45	13.89	13.82	14.90
EDGE 2 Tx slots	20.67	21.03	21.05	22.30	14.67	15.03	15.05	16.30
EDGE 3 Tx slots	19.72	20.10	20.22	21.30	15.46	15.84	15.96	17.04
EDGE 4 Tx slots	18.34	18.83	18.90	20.30	15.34	15.83	15.90	17.30

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9282	9400	9538		1312	1419	1513		4132	4182	4233		
TX Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458				
Rx Channel	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6				
Frequency (MHz)													
3GPP Rel 99	AMR 12.2Kbps	19.29	19.42	19.24	20.00	18.46	18.55	18.38	19.30	21.47	21.45	21.52	22.40
3GPP Rel 99	RMC 12.2Kbps	19.45	19.50	19.48	20.00	18.50	18.59	18.39	19.30	21.44	21.46	21.55	22.40
3GPP Rel 6	HSDPA Subtest-1	18.35	18.48	18.29	19.00	17.85	17.87	17.72	18.30	20.42	20.45	20.44	21.40
3GPP Rel 6	HSDPA Subtest-2	18.37	18.49	18.33	19.00	17.85	17.87	17.75	18.30	20.42	20.41	20.52	21.40
3GPP Rel 6	HSDPA Subtest-3	17.84	18.00	17.85	18.50	17.32	17.39	17.25	17.80	19.90	19.93	19.96	20.90
3GPP Rel 6	HSDPA Subtest-4	17.85	18.00	17.81	18.50	17.34	17.38	17.25	17.80	19.92	19.89	19.98	20.90
3GPP Rel 8	DC-HSDPA Subtest-1	18.34	18.42	18.26	19.00	17.82	17.84	17.69	18.30	20.41	20.44	20.43	21.40
3GPP Rel 8	DC-HSDPA Subtest-2	18.32	18.45	18.31	19.00	17.79	17.81	17.72	18.30	20.39	20.37	20.48	21.40
3GPP Rel 8	DC-HSDPA Subtest-3	17.82	17.93	17.82	18.50	17.29	17.36	17.22	17.80	19.87	19.89	19.92	20.90
3GPP Rel 8	DC-HSDPA Subtest-4	17.85	17.91	17.80	18.50	17.33	17.35	17.30	17.80	19.90	19.86	19.95	20.90
3GPP Rel 6	HSUPA Subtest-1	18.41	18.54	18.38	19.00	17.79	17.89	17.78	18.30	20.40	20.39	20.52	21.40
3GPP Rel 6	HSUPA Subtest-2	16.38	16.55	16.35	17.00	15.82	15.92	15.68	16.30	18.37	18.38	18.52	19.40
3GPP Rel 6	HSUPA Subtest-3	17.43	17.50	17.37	18.00	16.35	16.42	16.27	17.30	19.43	19.38	19.43	20.40
3GPP Rel 6	HSUPA Subtest-4	16.23	16.35	16.19	17.00	15.10	15.19	15.01	16.30	18.34	18.40	18.46	19.40
3GPP Rel 6	HSUPA Subtest-5	18.40	18.60	18.40	19.00	17.90	17.90	17.70	18.30	20.40	20.40	20.50	21.40
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.13	16.20	15.97	16.50	15.41	15.50	15.45	15.80	18.28	18.31	18.20	18.90

Band	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
	1013	384	777		25	600	1175		476	580	684	
TX Channel	824.7	836.52	848.31	1851.25	1880	1908.75	817.9	820.5	823.1			
Frequency (MHz)												
RC1 SO85	21.36	21.43	21.35	22.20	19.25	19.31	19.20	21.87	21.91	21.90	22.80	
RC3 SO85	21.33	21.39	21.36	22.20	19.30	19.42	19.40	21.82	21.86	21.85	22.80	
RC3 SO32 (F+SCH)	21.26	21.33	21.28	22.20	19.26	19.38	19.24	21.82	21.83	21.84	22.80	
RC3 SO32 (F+SCH)	21.34	21.37	21.29	22.20	19.12	19.24	19.15	21.75	21.81	21.80	22.80	
RTAP 183.6Kbps	21.06	21.16	21.13	22.20	19.36	19.41	19.28	21.60	21.67	21.64	22.80	
RETAP 4098Bbps	21.04	21.07	21.05	22.20	19.32	19.40	19.34	21.59	21.65	21.62	22.80	















Reduced Power Level 2 for Head for UAT

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	924.2	936.4	948.8		924.2	936.4	948.8	
GSM 1 Tx slot	29.18	29.30	29.22	30.00	20.15	20.30	20.22	21.00
GPRS 1 Tx slot	29.20	29.32	29.20	30.00	20.20	20.32	20.20	21.00
GPRS 2 Tx slots	26.58	26.71	26.61	27.00	20.58	20.71	20.61	21.00
GPRS 3 Tx slots	24.61	24.46	24.50	25.00	20.35	20.20	20.24	20.74
GPRS 4 Tx slots	23.00	23.18	23.10	24.10	20.00	20.18	20.10	21.00
EDGE 1 Tx slot	24.97	24.35	24.82	26.00	15.97	15.35	15.82	17.00
EDGE 2 Tx slots	23.08	23.13	22.91	24.00	17.08	17.13	16.91	18.00
EDGE 3 Tx slots	22.26	21.92	22.34	23.00	18.00	17.66	18.08	18.74
EDGE 4 Tx slots	21.55	21.23	21.59	22.50	18.55	18.23	18.59	19.50

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1930	1998.8		1852.2	1930	1998.8	
GSM 1 Tx slot	26.44	26.50	26.49	27.30	17.44	17.50	17.49	18.30
GPRS 1 Tx slot	26.49	26.52	26.53	27.30	17.49	17.52	17.53	18.30
GPRS 2 Tx slots	24.31	24.32	24.14	24.80	18.31	18.32	18.14	18.80
GPRS 3 Tx slots	22.34	22.16	21.80	22.80	18.08	17.90	17.54	18.54
GPRS 4 Tx slots	20.82	20.50	20.33	21.30	17.82	17.50	17.33	18.30
EDGE 1 Tx slot	22.39	22.72	22.96	23.40	13.39	13.72	13.96	14.40
EDGE 2 Tx slots	20.63	20.87	21.17	21.80	14.63	14.87	15.17	15.80
EDGE 3 Tx slots	19.68	19.92	20.33	20.80	15.42	15.66	16.07	16.54
EDGE 4 Tx slots	18.28	18.66	19.02	19.80	15.28	15.66	16.02	16.80

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4192	4192	4233		
TX Channel	9262	9400	9538		1312	1413	1513		4192	4192	4233		
Rx Channel	9662	9890	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		4264.4	436.4	446.6		
3GPP Rel 99	AMR 12.2Kbps	17.77	17.89	17.74	18.50	16.93	17.07	16.90	17.80	18.96	18.95	19.00	19.90
3GPP Rel 99	RMC 12.2Kbps	17.85	17.91	17.81	18.50	16.94	17.08	16.89	17.80	18.98	18.96	19.01	19.90
3GPP Rel 6	HSDPA Subtest-1	17.12	17.25	17.04	17.50	16.24	16.38	16.21	16.80	18.17	18.17	18.23	18.90
3GPP Rel 6	HSDPA Subtest-2	17.11	17.28	17.06	17.50	16.22	16.36	16.20	16.80	18.18	18.14	18.25	18.90
3GPP Rel 6	HSDPA Subtest-3	16.60	16.76	16.57	17.00	15.75	15.84	15.71	16.30	17.69	17.68	17.76	18.40
3GPP Rel 6	HSDPA Subtest-4	16.62	16.80	16.57	17.00	15.75	15.86	15.71	16.30	17.69	17.69	17.73	18.40
3GPP Rel 8	DC-HSDPA Subtest-1	17.11	17.24	17.03	17.50	16.23	16.37	16.20	16.80	18.16	18.16	18.22	18.90
3GPP Rel 8	DC-HSDPA Subtest-2	17.09	17.26	17.04	17.50	16.20	16.34	16.18	16.80	18.16	18.11	18.23	18.90
3GPP Rel 8	DC-HSDPA Subtest-3	16.59	16.75	16.56	17.00	15.73	15.82	15.69	16.30	17.67	17.66	17.74	18.40
3GPP Rel 8	DC-HSDPA Subtest-4	16.61	16.79	16.56	17.00	15.74	15.85	15.70	16.30	17.67	17.67	17.71	18.40
3GPP Rel 8	HSUPA Subtest-1	17.19	17.26	17.12	17.50	16.36	16.41	16.22	16.80	18.18	18.19	18.28	18.90
3GPP Rel 6	HSUPA Subtest-2	15.15	15.21	15.14	15.50	14.30	14.33	14.24	14.80	16.15	16.22	16.24	16.90
3GPP Rel 6	HSUPA Subtest-3	15.81	15.85	15.84	16.50	14.81	14.90	14.67	15.80	17.17	17.19	17.28	17.90
3GPP Rel 6	HSUPA Subtest-4	14.99	15.05	14.96	15.50	14.33	14.31	14.15	14.80	16.19	16.21	16.21	16.90
3GPP Rel 6	HSUPA Subtest-5	17.20	17.30	17.20	17.50	16.30	16.40	16.30	16.80	18.20	18.20	18.30	18.90
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.63	14.70	14.47	15.00	13.91	14.00	13.95	14.30	15.78	15.81	15.70	16.40

Band	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
	1013	384	777		25	600	1175		476	580	684	
TX Channel	1013	384	777		25	600	1175		476	580	684	
Frequency (MHz)	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
RC1 SC85	19.76	19.83	19.74	20.70	17.25	17.33	17.23	18.70	19.21	19.27	19.26	20.30
RC3 SC85	19.74	19.80	19.72	20.70	17.27	17.35	17.24	18.70	19.18	19.22	19.21	20.30
RC3 SC32 (F-SCH)	19.71	19.78	19.73	20.70	17.26	17.34	17.24	18.70	19.18	19.19	19.20	20.30
RC3 SC32 (F-SCH)	19.74	19.82	19.71	20.70	17.15	17.28	17.16	18.70	19.07	19.17	19.16	20.30
RTAP 153.6Kbps	19.51	19.56	19.58	20.70	17.32	17.34	17.27	18.70	18.96	19.03	19.00	20.30
RETAP 4096Bps	19.49	19.52	19.50	20.70	17.28	17.33	17.30	18.70	18.95	19.01	18.98	20.30















Reduced Power for Hotspot On for UAT

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	129	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	30.30	30.15	30.20	31.50	21.30	21.15	21.20	22.50
GPRS 1 Tx slot	30.31	30.17	30.26	31.50	21.31	21.17	21.26	22.50
GPRS 2 Tx slots	27.85	28.00	27.98	28.60	21.85	22.00	21.98	22.60
GPRS 3 Tx slots	25.63	25.86	25.73	26.60	21.37	21.60	21.47	22.34
GPRS 4 Tx slots	24.66	24.67	24.58	25.60	21.66	21.67	21.58	22.60
EDGE 1 Tx slot	24.75	24.62	24.55	26.00	15.75	15.62	15.55	17.00
EDGE 2 Tx slots	22.36	22.42	22.35	24.00	16.36	16.42	16.35	18.00
EDGE 3 Tx slots	21.46	21.51	21.22	23.00	17.20	17.25	16.96	18.74
EDGE 4 Tx slots	20.82	20.93	20.73	22.50	17.82	17.93	17.73	19.50





Band 48 (3.5G Band)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.22	22.32	22.10	22.02	23.1	0
20	QPSK	1	49	22.17	22.20	22.08	21.98		
20	QPSK	1	99	22.10	22.14	22.06	21.91		
20	QPSK	50	0	22.15	22.20	22.08	22.00		
20	QPSK	50	24	22.10	22.18	22.06	21.92	23.1	0
20	QPSK	50	50	22.12	22.17	22.03	21.86		
20	QPSK	100	0	22.08	22.18	21.97	21.90		
20	16QAM	1	0	22.12	22.12	22.26	21.96		
20	16QAM	1	49	22.26	22.14	22.14	21.92	23.1	0
20	16QAM	1	99	22.10	22.22	22.17	22.00		
20	16QAM	50	0	21.48	21.23	21.43	21.27		
20	16QAM	50	24	21.42	21.26	21.40	21.25		
20	16QAM	50	50	21.40	21.30	21.45	21.23	22.1	1
20	16QAM	100	0	21.44	21.25	21.43	21.24		
20	64QAM	1	0	21.23	20.94	21.25	21.05		
20	64QAM	1	49	21.27	21.09	21.27	21.11		
20	64QAM	1	99	21.13	21.13	21.21	21.08	22.1	1
20	64QAM	50	0	20.48	20.26	20.48	20.25		
20	64QAM	50	24	20.43	20.27	20.45	20.27		
20	64QAM	50	50	20.40	20.29	20.42	20.30		
20	64QAM	100	0	20.39	20.22	20.39	20.22	21.5	1.6
20	256QAM	1	0	18.44	18.17	18.23	18.38		
20	256QAM	1	49	18.31	18.18	18.24	18.25		
20	256QAM	1	99	18.25	18.25	18.31	18.19		
20	256QAM	50	0	18.72	18.51	18.57	18.66	19.5	3.6
20	256QAM	50	24	18.68	18.55	18.61	18.62		
20	256QAM	50	50	18.59	18.52	18.58	18.53		
20	256QAM	100	0	18.64	18.47	18.53	18.58		
Channel				55315	55820	56160	56665		
Frequency (MHz)				3567.5	3608	3642	3692.5		
15	QPSK	1	0	22.18	22.28	22.06	21.98	23.1	0
15	QPSK	1	37	22.13	22.16	22.04	21.94		
15	QPSK	1	74	22.06	22.10	22.02	21.87		
15	QPSK	36	0	22.11	22.16	22.04	21.96		
15	QPSK	36	20	22.06	22.14	22.02	21.88	23.1	0
15	QPSK	36	39	22.08	22.10	21.96	21.79		
15	QPSK	75	0	22.04	22.11	21.90	21.83		
15	16QAM	1	0	22.08	22.08	22.22	21.92		
15	16QAM	1	37	22.26	22.14	22.14	21.92	23.1	0
15	16QAM	1	74	22.10	22.22	22.17	22.00		
15	16QAM	36	0	21.45	21.20	21.36	21.23		
15	16QAM	36	20	21.39	21.23	21.33	21.21		
15	16QAM	36	39	21.37	21.27	21.38	21.19	22.1	1
15	16QAM	75	0	21.41	21.22	21.36	21.20		
15	64QAM	1	0	21.23	20.94	21.25	21.05		
15	64QAM	1	37	21.23	21.05	21.27	21.11		
15	64QAM	1	74	21.09	21.06	21.18	21.05	22.1	1
15	64QAM	36	0	20.44	20.19	20.45	20.22		
15	64QAM	36	20	20.39	20.20	20.42	20.24		
15	64QAM	36	39	20.36	20.22	20.39	20.27		
15	64QAM	75	0	20.35	20.18	20.39	20.22	21.5	1.6
15	256QAM	1	0	18.27	18.15	18.14	18.41		
15	256QAM	1	37	18.30	18.16	18.15	18.28		
15	256QAM	1	74	18.24	18.23	18.22	18.22		
15	256QAM	36	0	18.71	18.49	18.46	18.67	19.5	3.6
15	256QAM	36	20	18.72	18.58	18.50	18.63		
15	256QAM	36	39	18.65	18.55	18.47	18.54		
15	256QAM	75	0	18.70	18.50	18.44	18.61		
Channel				55290	55815	56165	56690		
Frequency (MHz)				3565	3607.5	3642.5	3695		
10	QPSK	1	0	22.16	22.26	21.99	21.91	23.1	0
10	QPSK	1	25	22.11	22.14	21.97	21.87		
10	QPSK	1	49	21.99	22.03	21.95	21.80		
10	QPSK	25	0	22.06	22.11	21.99	21.91		
10	QPSK	25	12	22.01	22.09	21.97	21.83	23.1	0
10	QPSK	25	25	22.03	22.05	21.91	21.74		
10	QPSK	50	0	21.99	22.06	21.90	21.83		
10	16QAM	1	0	22.03	22.03	22.22	21.92		
10	16QAM	1	25	22.21	22.09	22.14	21.92	23.1	0
10	16QAM	1	49	22.05	22.17	22.17	22.00		
10	16QAM	25	0	21.40	21.15	21.36	21.23		
10	16QAM	25	12	21.34	21.18	21.33	21.21		
10	16QAM	25	25	21.32	21.22	21.36	21.17	22.1	1
10	64QAM	50	0	21.36	21.17	21.34	21.18		
10	64QAM	1	0	21.18	20.89	21.25	21.05		
10	64QAM	1	25	21.18	21.00	21.27	21.11		
10	64QAM	1	49	21.04	21.01	21.18	21.05	22.1	1
10	64QAM	25	0	20.39	20.14	20.43	20.20		
10	64QAM	25	12	20.39	20.20	20.40	20.22		
10	64QAM	25	25	20.36	20.22	20.32	20.20		
10	64QAM	50	0	20.30	20.18	20.34	20.17	21.5	1.6
10	256QAM	1	0	18.12	18.04	18.23	18.15		
10	256QAM	1	25	18.13	18.05	18.26	18.16		
10	256QAM	1	49	18.20	18.12	18.20	18.23		
10	256QAM	25	0	18.46	18.38	18.71	18.49	19.5	3.6
10	256QAM	25	12	18.50	18.47	18.65	18.51		
10	256QAM	25	25	18.54	18.51	18.58	18.48		
10	256QAM	50	0	18.53	18.50	18.63	18.43		
Channel				55265	55810	56170	56715		
Frequency (MHz)				3562.5	3607	3643	3697.5		
5	QPSK	1	0	22.14	22.24	21.97	21.89	23.1	0
5	QPSK	1	12	22.09	22.12	21.95	21.85		
5	QPSK	1	24	21.97	22.01	21.93	21.78		
5	QPSK	12	0	22.04	22.09	21.97	21.89		
5	QPSK	12	7	21.99	22.07	21.95	21.81	23.1	0
5	QPSK	12	13	22.05	22.07	21.93	21.76		
5	QPSK	25	0	22.01	22.08	21.92	21.85		
5	16QAM	1	0	22.05	22.05	22.20	21.90		
5	16QAM	1	12	22.23	22.11	22.12	21.90	23.1	0
5	16QAM	1	24	22.07	22.19	22.15	21.98		
5	16QAM	12	0	21.42	21.17	21.34	21.21		
5	16QAM	12	7	21.30	21.14	21.29	21.17		
5	16QAM	12	13	21.28	21.18	21.32	21.13	22.1	1
5	16QAM	25	0	21.32	21.13	21.32	21.16		
5	64QAM	1	0	21.18	20.89	21.27	21.07		
5	64QAM	1	12	21.18	21.00	21.29	21.13		
5	64QAM	1	24	21.04	21.01	21.14	21.01	22.1	1
5	64QAM	12	0	20.39	20.14	20.39	20.16		
5	64QAM	12	7	20.39	20.20	20.36	20.18		
5	64QAM	12	13	20.38	20.24	20.28	20.16		
5	64QAM	25	0	20.32	20.20	20.30	20.13	21.5	1.6
5	256QAM	1	0	18.22	18.02	18.17	18.41		
5	256QAM	1	12	18.09	18.03	18.15	18.25		
5	256QAM	1	24	18.03	18.10	18.22	18.19		
5	256QAM	12	0	18.47	18.31	18.48	18.64	19.5	3.6
5	256QAM	12	7	18.43	18.35	18.52	18.60		
5	256QAM	12	13	18.34	18.32	18.52	18.54		
5	256QAM	25	0	18.43	18.29	18.47	18.61		



Reduced Power for Hotspot on for LAT

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel	Rx Channel	9262	9400	9538		1312	1413	1513	
Frequency (MHz)		1652.4	1690	1607.6	1712.4	1732.3	1759.3		
3GPP Rel 99	AMR 12.2Kbps	21.30	21.48	21.35	22.20	21.78	21.70	22.60	
3GPP Rel 99	RMC 12.2Kbps	21.35	21.50	21.37	22.20	21.81	21.71	22.60	
3GPP Rel 6	HSDPA Subtest-1	20.37	20.53	20.39	21.20	20.84	20.80	21.60	
3GPP Rel 6	HSDPA Subtest-2	20.39	20.55	20.41	21.20	20.83	20.88	20.77	
3GPP Rel 6	HSDPA Subtest-3	19.87	20.09	19.88	20.70	20.41	20.44	20.21	
3GPP Rel 6	HSDPA Subtest-4	19.93	20.08	19.89	20.70	20.21	20.38	20.24	
3GPP Rel 8	DC-HSDPA Subtest-1	20.36	20.52	20.38	21.20	20.83	20.82	20.79	
3GPP Rel 8	DC-HSDPA Subtest-2	20.37	20.53	20.39	21.20	20.81	20.86	20.75	
3GPP Rel 8	DC-HSDPA Subtest-3	19.85	20.07	19.86	20.70	20.39	20.42	20.19	
3GPP Rel 8	DC-HSDPA Subtest-4	19.91	20.03	19.87	20.70	20.19	20.36	20.22	
3GPP Rel 6	HSUPA Subtest-1	20.42	20.53	20.45	21.20	20.89	20.90	20.71	
3GPP Rel 6	HSUPA Subtest-2	18.43	18.61	18.48	19.20	18.78	18.93	18.82	
3GPP Rel 6	HSUPA Subtest-3	19.31	19.57	19.40	20.20	19.34	19.43	19.25	
3GPP Rel 6	HSUPA Subtest-4	18.19	18.36	18.25	19.20	18.06	18.22	18.07	
3GPP Rel 6	HSUPA Subtest-5	20.40	20.60	20.60	21.20	20.90	20.90	20.80	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.24	18.36	18.25	18.70	18.21	18.38	18.35	

Band		CDMA BC1			Tune-up Limit (dBm)
TX Channel	Rx Channel	25	600	1175	
Frequency (MHz)		1851.25	1880	1908.75	
	RC1 3Q55	21.65	21.72	21.65	22.70
	RC3 3Q55	21.68	21.75	21.66	22.70
	RC3 3Q32 (F-SCH)	21.70	21.76	21.66	22.70
	RC3 3Q32 (V-SCH)	21.60	21.70	21.55	22.70
	RTAP 153.6Kbps	21.72	21.83	21.69	22.70
	RETAP 4096Bps	21.70	21.79	21.68	22.70











Reduced Power for Sensor On for LAT

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel	Rx Channel	9292	9400	9538		1512	1413	1513	
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2kbps	21.30	21.48	21.35	22.20	21.78	21.89	21.70	22.60
3GPP Rel 99	RMC 12.2kbps	21.35	21.50	21.37	22.20	21.81	21.90	21.71	22.60
3GPP Rel 6	HSDPA Subtest-1	20.37	20.53	20.39	21.20	20.84	20.83	20.80	21.60
3GPP Rel 6	HSDPA Subtest-2	20.39	20.55	20.41	21.20	20.83	20.88	20.77	21.60
3GPP Rel 6	HSDPA Subtest-3	19.87	20.09	19.88	20.70	20.41	20.44	20.21	21.10
3GPP Rel 6	HSDPA Subtest-4	19.93	20.08	19.89	20.70	20.21	20.38	20.24	21.10
3GPP Rel 8	DC-HSDPA Subtest-1	20.36	20.52	20.38	21.20	20.83	20.82	20.79	21.60
3GPP Rel 8	DC-HSDPA Subtest-2	20.37	20.53	20.39	21.20	20.81	20.86	20.75	21.60
3GPP Rel 8	DC-HSDPA Subtest-3	19.85	20.07	19.86	20.70	20.39	20.42	20.19	21.10
3GPP Rel 8	DC-HSDPA Subtest-4	19.81	20.03	19.87	20.70	20.19	20.36	20.22	21.10
3GPP Rel 6	HSUPA Subtest-1	20.42	20.53	20.45	21.20	20.89	20.90	20.71	21.60
3GPP Rel 6	HSUPA Subtest-2	18.43	18.61	18.48	19.20	18.78	18.93	18.62	19.60
3GPP Rel 6	HSUPA Subtest-3	19.31	19.57	19.40	20.20	19.34	19.43	19.25	20.60
3GPP Rel 6	HSUPA Subtest-4	18.19	18.36	18.25	19.20	18.06	18.22	18.07	19.60
3GPP Rel 6	HSUPA Subtest-5	20.40	20.60	20.60	21.20	20.90	20.90	20.80	21.60
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.24	18.36	18.25	18.70	18.21	18.38	18.35	19.10

Band		CDMA BC1			Tune-up Limit (dBm)
TX Channel		25	600	1175	
Frequency (MHz)		1851.25	1880	1908.75	
RC1 SQ55		21.65	21.72	21.65	22.70
RC3 SQ55		21.68	21.75	21.66	22.70
RC3 SQ32 (F-SCH)		21.70	21.76	21.66	22.70
RC3 SQ32 (S-SCH)		21.60	21.70	21.55	22.70
RTAP 153.6kbps		21.72	21.83	21.69	22.70
RETAP 4096bits		21.70	21.79	21.68	22.70







5G NR EN-DC Ant 1 Full Power Mode

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Channel, Power High, Power Low, MPR, Tune-up (dBm), MPR (dB). It is divided into three main sections: Band 7 (2600MHz Band), Band 66, and Band 66 (repeated). Each section contains multiple rows of channel configurations with varying parameters like RB Size, RB Offset, and Power levels.







LOGO

SG NR EN-DC Ant 0 Reduced Power Level 2 for Head

Table with columns for BW (MHz), Modulation, RB Size, RB Offset, Power High (dBm), Power Middle (dBm), Power Low (dBm), Tune-up (MHz), MPR (dB), and Channel. It is divided into Band 7 (2600MHz Band) and Band 66. Each band has multiple sub-tables for QPSK, 16QAM, 64QAM, and 256QAM modulations. Band 7 covers frequencies from 13.42 to 13.76 MHz, while Band 66 covers 17.12 to 17.52 MHz. The table lists various RB configurations and their corresponding power levels and channel offsets.







### UL CA Power

CA_41C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	49	0	0	1	0	Full	20.41	21.80
40185	40383	QPSK	1	49	0	0	1	0	Full	20.61	21.80
40620	40422	QPSK	1	49	0	0	1	0	Full	20.47	21.80
41055	40857	QPSK	1	49	0	0	1	0	Full	20.56	21.80
41490	41292	QPSK	1	49	0	0	1	0	Full	20.54	21.80

CA_41C(HPUE)											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	99	0	0	1	0	Full	21.41	22.80
40185	40383	QPSK	1	99	0	0	1	0	Full	21.73	22.80
40620	40422	QPSK	1	99	0	0	1	0	Full	21.80	22.80
41055	40857	QPSK	1	99	0	0	1	0	Full	21.79	22.80
41490	41292	QPSK	1	99	0	0	1	0	Full	21.72	22.80



CA_48C												
Combination 20MHz+20MHz (100RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset						
55340	55538	QPSK	1	0	0	0	1	0	full	22.46	23.80	
55830	55632	QPSK	1	0	0	0	1	0	full	22.33	23.80	
56150	55952	QPSK	1	0	0	0	1	0	full	22.38	23.80	
56640	56442	QPSK	1	0	0	0	1	0	full	22.20	23.80	
55340	55538	QPSK	50	0	0	0	1	0	rec on	13.79	14.80	
55830	55632	QPSK	50	0	0	0	1	0	rec on	13.98	14.80	
56150	55952	QPSK	50	0	0	0	1	0	rec on	13.82	14.80	
56640	56442	QPSK	50	0	0	0	1	0	rec on	13.74	14.80	
55340	55538	QPSK	1	0	0	0	1	0	Hotspot on	19.46	20.80	
55830	55632	QPSK	1	0	0	0	1	0	Hotspot on	19.68	20.80	
56150	55952	QPSK	1	0	0	0	1	0	Hotspot on	19.51	20.80	
56640	56442	QPSK	1	0	0	0	1	0	Hotspot on	19.47	20.80	



CA_41C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	49	0	0	1	0	Full	23.43	24.80
40185	40383	QPSK	1	49	0	0	1	0	Full	23.49	24.80
40620	40422	QPSK	1	49	0	0	1	0	Full	23.69	24.80
41055	40857	QPSK	1	49	0	0	1	0	Full	23.66	24.80
41490	41292	QPSK	1	49	0	0	1	0	Full	23.78	24.80
39750	39948	QPSK	50	24	0	0	1	0	Hotspot on	19.77	20.80
40185	40383	QPSK	50	24	0	0	1	0	Hotspot on	19.69	20.80
40620	40422	QPSK	50	24	0	0	1	0	Hotspot on	19.90	20.80
41055	40857	QPSK	50	24	0	0	1	0	Hotspot on	19.87	20.80
41490	41292	QPSK	50	24	0	0	1	0	Hotspot on	19.74	20.80

CA_41C(HPUE)											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	99	0	0	1	0	Full	24.60	25.80
40185	40383	QPSK	1	99	0	0	1	0	Full	24.76	25.80
40620	40422	QPSK	1	99	0	0	1	0	Full	24.98	25.80
41055	40857	QPSK	1	99	0	0	1	0	Full	24.80	25.80
41490	41292	QPSK	1	99	0	0	1	0	Full	24.82	25.80
39750	39948	QPSK	1	99	0	0	1	0	Hotspot on	21.56	22.80
40185	40383	QPSK	1	99	0	0	1	0	Hotspot on	21.57	22.80
40620	40422	QPSK	1	99	0	0	1	0	Hotspot on	21.81	22.80
41055	40857	QPSK	1	99	0	0	1	0	Hotspot on	21.85	22.80
41490	41292	QPSK	1	99	0	0	1	0	Hotspot on	21.80	22.80



Inter Band UL CA Power

PCC:Ant2		SCC:Ant1		Tune up Power (dBm)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
Combination 20MHz+20MHz (100RB+100RB)													
18700	20050	QPSK	1	0	1	0	21.40	15.12	22.32	22.2	16.8	23.3	
			1	49	1	49	21.37	15.33	22.34	22.2	16.8	23.3	
			1	99	1	99	21.40	15.22	22.34	22.2	16.8	23.3	
			50	0	50	0	20.81	17.63	22.38	21.4	18.8	23.3	
			50	24	50	24	20.54	17.14	22.17	21.4	18.8	23.3	
18900	20175	QPSK	50	0	100	0	20.52	17.78	22.37	21.4	18.8	23.3	
			1	0	1	0	21.89	15.09	22.71	22.2	16.8	23.3	
			1	49	1	49	21.49	15.21	22.41	22.2	16.8	23.3	
			1	99	1	99	21.54	15.14	22.44	22.2	16.8	23.3	
			50	0	50	0	20.54	17.61	22.33	21.4	18.8	23.3	
19100	20300	QPSK	50	24	50	24	20.69	17.30	22.33	21.4	18.8	23.3	
			50	50	50	50	20.59	17.37	22.28	21.4	18.8	23.3	
			100	0	100	0	20.72	17.62	22.45	21.4	18.8	23.3	
			1	0	1	0	21.51	15.22	22.43	22.2	16.8	23.3	
			1	49	1	49	21.64	15.38	22.56	22.2	16.8	23.3	

PCC:Ant1		SCC:Ant2		Tune up Power (dBm)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
Combination 20MHz+20MHz (100RB+100RB)													
20050	18700	QPSK	1	0	1	0	20.24	15.27	21.44	20.80	16.00	22.0	
			1	49	1	49	20.23	15.13	21.40	20.80	16.00	22.0	
			1	99	1	99	20.06	15.16	21.28	20.80	16.00	22.0	
			50	0	50	0	19.34	17.80	21.65	19.50	18.50	22.0	
			50	24	50	24	18.77	18.26	21.53	19.50	18.50	22.0	
20175	18900	QPSK	50	50	50	50	19.22	18.02	21.67	19.50	18.50	22.0	
			100	0	100	0	18.76	17.93	21.38	19.50	18.50	22.0	
			1	0	1	0	20.03	15.23	21.27	20.80	16.00	22.0	
			1	49	1	49	19.79	15.10	21.06	20.80	16.00	22.0	
			1	99	1	99	20.04	15.26	21.29	20.80	16.00	22.0	
20300	19100	QPSK	50	0	50	0	19.06	18.11	21.62	19.50	18.50	22.0	
			50	24	50	24	18.85	18.17	21.53	19.50	18.50	22.0	
			50	50	50	50	19.02	18.08	21.58	19.50	18.50	22.0	
			100	0	100	0	18.93	18.04	21.52	19.50	18.50	22.0	
			1	0	1	0	19.96	15.68	21.34	20.80	16.00	22.0	

PCC:Ant3		SCC:Ant0		Tune up Power (dBm)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
Combination 20MHz+20MHz (100RB+100RB)													
18700	20050	QPSK	1	0	1	0	23.20	16.99	24.13	23.60	18.60	24.8	
			1	49	1	49	23.23	16.99	24.16	23.60	18.60	24.8	
			1	99	1	99	23.18	17.36	24.19	23.60	18.60	24.8	
			50	0	50	0	22.27	19.28	24.04	22.80	20.50	24.8	
			50	24	50	24	22.30	19.20	24.03	22.80	20.50	24.8	
18900	20175	QPSK	50	50	50	50	22.43	19.31	24.15	22.80	20.50	24.8	
			100	0	100	0	22.42	19.31	24.15	22.80	20.50	24.8	
			1	0	1	0	23.42	16.71	24.26	23.60	18.60	24.8	
			1	49	1	49	23.05	17.47	24.11	23.60	18.60	24.8	
			1	99	1	99	23.24	17.11	24.19	23.60	18.60	24.8	
19100	20300	QPSK	50	0	50	0	22.37	19.59	24.21	22.80	20.50	24.8	
			50	24	50	24	22.45	19.47	24.22	22.80	20.50	24.8	
			50	50	50	50	22.38	19.16	24.07	22.80	20.50	24.8	
			100	0	100	0	22.42	19.36	24.16	22.80	20.50	24.8	
			1	0	1	0	22.98	17.50	24.06	23.60	18.60	24.8	

PCC:Ant0		SCC:Ant3		Tune up Power (dBm)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
Combination 20MHz+20MHz (100RB+100RB)													
20050	18700	QPSK	1	0	1	0	22.70	17.46	23.84	23.30	18.50	24.5	
			1	49	1	49	22.70	17.68	23.89	23.30	18.50	24.5	
			1	99	1	99	22.88	17.47	23.98	23.30	18.50	24.5	
			50	0	50	0	21.73	19.84	23.90	22.30	20.50	24.5	
			50	24	50	24	22.05	19.72	24.05	22.30	20.50	24.5	
20175	18900	QPSK	50	50	50	50	21.94	20.01	24.09	22.30	20.50	24.5	
			100	0	100	0	21.96	19.49	23.91	22.30	20.50	24.5	
			1	0	1	0	22.74	17.30	23.83	23.30	18.50	24.5	
			1	49	1	49	22.77	17.62	23.93	23.30	18.50	24.5	
			1	99	1	99	22.85	17.58	23.98	23.30	18.50	24.5	
20300	19100	QPSK	50	0	50	0	22.15	19.70	24.11	22.30	20.50	24.5	
			50	24	50	24	22.05	19.63	24.02	22.30	20.50	24.5	
			50	50	50	50	22.01	19.94	24.11	22.30	20.50	24.5	
			100	0	100	0	22.02	19.62	23.99	22.30	20.50	24.5	
			1	0	1	0	22.57	17.35	23.71	23.30	18.50	24.5	

PCC:Ant2		SCC:Ant0		Tune up Power (dBm)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
Combination 20MHz+20MHz (100RB+100RB)													
18700	20050	QPSK	1	0	1	0	22.44	17.53	23.66	23.3	19.3	24.8	
			1	49	1	49	22.16	17.57	23.46	23.3	19.3	24.8	
			1	99	1	99	22.22	17.59	23.51	23.3	19.3	24.8	
			50	0	50	0	21.35	20.26	23.85	22.3	21.3	24.8	
			50	24	50	24	21.58	20.10	23.91	22.3	21.3	24.8	
18900	20175	QPSK	50	50	50	50	21.53	20.16	23.91	22.3	21.3	24.8	
			100	0	100	0	21.51	20.08	23.86	22.3	21.3	24.8	
			1	0	1	0	21.98	17.63	23.34	23.3	19.3	24.8	
			1	49	1	49	21.96	17.79	23.37	23.3	19.3	24.8	
			1	99	1	99	22.07	17.61	23.40	23.3	19.3	24.8	
19100	20300	QPSK	50	0	50	0	21.11	19.90	23.56	22.3	21.3	24.8	
			50	24	50	24	21.21	19.65	23.51	22.3	21.3	24.8	
			50	50	50	50	21.27	19.91	23.65	22.3	21.3	24.8	
			100	0	100	0	21.26	19.55	23.50	22.3	21.3	24.8	
			1	0	1	0	22.15	17.39	23.40	23.3	19.3	24.8	

PCC:Ant0		SCC:Ant2		Tune up Power (dBm)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
Combination 20MHz+20MHz (100RB+100RB)													
20050	18700	QPSK	1	0	1	0	23.19	16.21	23.98	23.50	17.80	24.5	
			1	49	1	49	23.06	16.33	23.90	23.50	17.80	24.5	
			1	99	1	99	22.81	16.40	23.70	23.50	17.80	24.5	
			50	0	50	0	22.21	18.76	23.83	22.80	19.50	24.5	
			50	24	50	24	22.18	18.81	23.82	22.80	19.50	24.5	
20175	18900	QPSK	50	50	50	50	22.04	18.96	23.78	22.80	19.50	24.5	
			100	0	100	0	22.24	18.61	23.80	22.80	19.50	24.5	
			1	0	1	0	22.51	16.56	23.49	23.50	17.80	24.5	
			1	49	1	49	22.38	16.39	23.36	23.50	17.80	24.5	
			1	99	1	99	22.77	16.35	23.66	23.50	17.80	24.5	
20300	19100	QPSK	50	0	50	0	21.87	18.17	23.41	22.80	19.50	24.5	
			50	24	50	24	21.76	18.18	23.34	22.80	19.50	24.5	
			50	50	50	50	21.69	18.68	23.45	22.80	19.50	24.5	
			100	0	100	0	21.81	18.38	23.44	22.80	19.50	24.5	
			1	0	1	0	23.08	16.31	23.91	23.50	17.80	24.5	

PCC:Ant3		SCC:Ant1		Tune up Power (dBm)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
Combination 20MHz+20MHz (100RB+100RB)													
18700	20050	QPSK	1	0	1	0	23.80	14.38	24.27	24.20	15.80	24.8	
			1	49	1	49	23.72	14.47	24.21	24.20	15.80	24.8	
			1	99	1	99	23.76	14.43	24.24	24.20	15.80	24.8	
			50	0	50	0	22.76	17.15	23.81	23.80	17.8	24.8	
			50	24	50	24	22.90	17.32	23.96	23.80	17.8	24.8	
18900	20175	QPSK	50	50	50	50	23.01	16.97	23.98	23.80	17.8	24.8	
			100	0	100	0	22.90	17.26	23.95	23.80	17.8	24.8	
			1	0	1	0	23.35	14.71	23.91	24.20	15.80	24.8	



PCC:Ant2		SCC:Ant1		Tune up Power (dba)													
CA_2A-66A																	
Combination 20MHz+20MHz (100RB+100RB)																	
PCC Channel	SCC Channel	Modulation	PCC				SCC				Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)			
			RB Size	RB offset	RB Size	RB offset	PCC1 Power (dBm)	PCC2 Power (dBm)	RB Size	RB offset					PCC1 Power (dBm)	PCC2 Power (dBm)	
18700	132072	QPSK	1	0	1	0	21.61	15.28	22.2	16.8	23.3	22.2	16.8	23.3	22.2	16.8	23.3
			1	49	1	49	21.46	15.43	22.43	22.2	16.8	23.3	22.43	22.2	16.8	23.3	
			1	99	1	99	21.41	15.11	22.32	22.2	16.8	23.3	22.32	22.2	16.8	23.3	
			50	0	50	0	20.70	17.93	22.54	21.4	18.8	23.3	22.54	21.4	18.8	23.3	
			50	24	50	24	20.78	18.14	22.67	21.4	18.8	23.3	22.67	21.4	18.8	23.3	

PCC:Ant1		SCC:Ant2		Tune up Power (dba)														
CA_66A-2A																		
Combination 20MHz+20MHz (100RB+100RB)																		
PCC Channel	SCC Channel	Modulation	PCC				SCC				Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)				
			RB Size	RB offset	RB Size	RB offset	PCC1 Power (dBm)	PCC2 Power (dBm)	RB Size	RB offset					PCC1 Power (dBm)	PCC2 Power (dBm)		
132072	18700	QPSK	1	0	1	0	20.14	15.14	21.33	20.80	16.00	22.0	20.14	15.14	21.33	20.80	16.00	22.0
			1	49	1	49	20.11	15.73	21.46	20.80	16.00	22.0	20.11	15.73	21.46	20.80	16.00	22.0
			1	99	1	99	19.75	15.35	21.10	20.80	16.00	22.0	19.75	15.35	21.10	20.80	16.00	22.0
			50	0	50	0	18.87	18.15	21.59	19.50	18.50	22.0	18.87	18.15	21.59	19.50	18.50	22.0
			50	24	50	24	19.02	18.17	21.63	19.50	18.50	22.0	19.02	18.17	21.63	19.50	18.50	22.0

PCC:Ant3		SCC:Ant0		Tune up Power (dba)														
CA_2A-66A																		
Combination 20MHz+20MHz (100RB+100RB)																		
PCC Channel	SCC Channel	Modulation	PCC				SCC				Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)				
			RB Size	RB offset	RB Size	RB offset	PCC1 Power (dBm)	PCC2 Power (dBm)	RB Size	RB offset					PCC1 Power (dBm)	PCC2 Power (dBm)		
18700	132072	QPSK	1	0	1	0	23.11	17.80	24.23	23.60	18.60	24.8	23.60	18.60	24.8	23.60	18.60	24.8
			1	49	1	49	22.87	18.01	24.10	23.60	18.60	24.8	22.87	18.01	24.10	23.60	18.60	24.8
			1	99	1	99	23.07	17.51	24.14	23.60	18.60	24.8	23.07	17.51	24.14	23.60	18.60	24.8
			50	0	50	0	22.82	19.12	23.95	22.80	20.50	24.8	22.82	20.50	24.8	22.82	20.50	24.8
			50	24	50	24	22.42	19.61	24.25	22.80	20.50	24.8	22.42	19.61	24.25	22.80	20.50	24.8

PCC:Ant0		SCC:Ant3		Tune up Power (dba)														
CA_66A-2A																		
Combination 20MHz+20MHz (100RB+100RB)																		
PCC Channel	SCC Channel	Modulation	PCC				SCC				Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)				
			RB Size	RB offset	RB Size	RB offset	PCC1 Power (dBm)	PCC2 Power (dBm)	RB Size	RB offset					PCC1 Power (dBm)	PCC2 Power (dBm)		
132072	18700	QPSK	1	0	1	0	22.70	17.12	23.76	23.30	18.50	24.5	22.70	17.12	23.76	23.30	18.50	24.5
			1	49	1	49	22.91	17.46	24.00	23.30	18.50	24.5	22.91	17.46	24.00	23.30	18.50	24.5
			1	99	1	99	23.10	17.33	24.12	23.30	18.50	24.5	23.10	17.33	24.12	23.30	18.50	24.5
			50	0	50	0	21.76	20.84	23.84	22.30	20.50	24.5	21.76	20.84	23.84	22.30	20.50	24.5
			50	24	50	24	21.85	19.61	23.88	22.30	20.50	24.5	21.85	19.61	23.88	22.30	20.50	24.5

PCC:Ant2		SCC:Ant0		Tune up Power (dba)														
CA_2A-66A																		
Combination 20MHz+20MHz (100RB+100RB)																		
PCC Channel	SCC Channel	Modulation	PCC				SCC				Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)				
			RB Size	RB offset	RB Size	RB offset	PCC1 Power (dBm)	PCC2 Power (dBm)	RB Size	RB offset					PCC1 Power (dBm)	PCC2 Power (dBm)		
18700	132072	QPSK	1	0	1	0	22.89	18.00	24.11	23.3	19.3	24.8	23.3	19.3	24.8	23.3	19.3	24.8
			1	49	1	49	22.52	18.28	23.91	23.3	19.3	24.8	22.52	18.28	23.91	23.3	19.3	24.8
			1	99	1	99	22.82	18.08	24.08	23.3	19.3	24.8	22.82	18.08	24.08	23.3	19.3	24.8
			50	0	50	0	21.72	20.03	23.97	22.3	21.3	24.8	21.72	20.03	23.97	22.3	21.3	24.8
			50	24	50	24	21.89	20.11	24.10	22.3	21.3	24.8	21.89	20.11	24.10	22.3	21.3	24.8

PCC:Ant0		SCC:Ant2		Tune up Power (dba)														
CA_66A-2A																		
Combination 20MHz+20MHz (100RB+100RB)																		
PCC Channel	SCC Channel	Modulation	PCC				SCC				Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)				
			RB Size	RB offset	RB Size	RB offset	PCC1 Power (dBm)	PCC2 Power (dBm)	RB Size	RB offset					PCC1 Power (dBm)	PCC2 Power (dBm)		
132072	18700	QPSK	1	0	1	0	23.16	16.49	24.01	23.50	17.80	24.5	23.16	16.49	24.01	23.50	17.80	24.5
			1	49	1	49	22.88	16.66	23.81	23.50	17.80	24.5	22.88	16.66	23.81	23.50	17.80	24.5
			1	99	1	99	22.71	17.11	23.77	23.50	17.80	24.5	22.71	17.11	23.77	23.50	17.80	24.5
			50	0	50	0	22.23	18.40	23.73	22.80	19.50	24.5	22.23	18.40	23.73	22.80	19.50	24.5
			50	24	50	24	22.19	18.64	23.78	22.80	19.50	24.5	22.19	18.64	23.78	22.80	19.50	24.5

PCC:Ant3		SCC:Ant1		Tune up Power (dba)														
CA_2A-66A																		
Combination 20MHz+20MHz (100RB+100RB)																		
PCC Channel	SCC Channel	Modulation	PCC				SCC				Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)				
			RB Size	RB offset	RB Size	RB offset	PCC1 Power (dBm)	PCC2 Power (dBm)	RB Size	RB offset					PCC1 Power (dBm)	PCC2 Power (dBm)		
18700	132072	QPSK	1	0	1	0	23.59	15.13	24.17	24.20	15.80	24.8	24.20	15.80	24.8	24.20	15.80	24.8
			1	49	1	49	23.70	15.00	24.25	24.20	15.80	24.8	23.70	15.00	24.25	24.20	15.80	24.8
			1	99	1	99	23.59	15.41	24.20	24.20	15.80	24.8	23.59	15.41	24.20	24.20	15.80	24.8
			50	0	50	0	22.79	17.23	23.86	23.80	17.8	24.8	22.79	17.23	23.86	23.80	17.8	24.8
			50	24	50	24	23.12	17.20	24.11	23.80	17.8	24.8	23.12	17.20	24.11	23.80	17.8	24.8

PCC:Ant1		SCC:Ant3		Tune up Power (dba)														
CA_66A-2A																		
Combination 20MHz+20MHz (100RB+100RB)																		
PCC Channel	SCC Channel	Modulation	PCC				SCC				Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)				
			RB Size	RB offset	RB Size	RB offset	PCC1 Power (dBm)	PCC2 Power (dBm)	RB Size	RB offset					PCC1 Power (dBm)	PCC2 Power (dBm)		
132072	18700	QPSK	1	0	1	0	20.79	19.05	23.02	22.00	20.80	24.5	20.79	19.05	23.02	22.00	20.80	24.5
			1	49	1	49	20.99	19.69	23.40	22.00	20.80	24.5	20.99	19.69	23.40	22.00	20.80	24.5
			1	99	1	99	20.94	19.34	23.22	22.00	20.80	24.5	20.94	19.34	23.22	22.00	20.80	24.5
			50	0	50	0	19.99	20.99	23.53	20.30	22.50	24.5	19.99	20.99	23.53	20.30	22.50	24.5
			50	24	50	24	20.11	20.88	23.52	20.30	22.50	24.5	20.11	20.88	23.52	20.30	22.50	24.5



PCC:Ant2		SCC:Ant0		Tune up Power (dbm)								
CA_2A-12A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC				PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
18700	23060	QPSK	1	0	1	0	21.04	16.41	22.33	22.00	17.50	23.3
			1	49	1	25	21.28	16.29	22.48	22.00	17.50	23.3
			1	99	1	49	21.23	15.99	22.37	22.00	17.50	23.3
			50	0	25	0	20.38	18.59	22.59	21.00	19.50	23.3
			50	24	25	12	20.34	18.71	22.61	21.00	19.50	23.3
			50	50	25	25	20.35	18.48	22.53	21.00	19.50	23.3
18900	23095	QPSK	1	0	1	0	20.33	18.64	22.58	21.00	19.50	23.3
			1	49	1	25	21.25	16.24	22.44	22.00	17.50	23.3
			1	99	1	49	21.34	16.14	22.49	22.00	17.50	23.3
			50	0	25	0	20.56	18.13	22.52	21.00	19.50	23.3
			50	24	25	12	20.26	18.68	22.55	21.00	19.50	23.3
			50	50	25	25	20.27	18.35	22.43	21.00	19.50	23.3
19100	23130	QPSK	1	0	1	0	21.56	16.26	22.68	22.00	17.50	23.3
			1	49	1	25	21.12	16.12	22.31	22.00	17.50	23.3
			1	99	1	49	21.13	16.15	22.33	22.00	17.50	23.3
			50	0	25	0	20.48	17.73	22.33	21.00	19.50	23.3
			50	24	25	12	20.25	18.59	22.51	21.00	19.50	23.3
			50	50	25	25	20.38	18.44	22.53	21.00	19.50	23.3

PCC:Ant3		SCC:Ant1		Tune up Power (dbm)								
CA_2A-12A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC				PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
18700	23060	QPSK	1	0	1	0	23.13	16.78	24.04	23.80	17.80	24.8
			1	49	1	25	22.64	16.95	23.68	23.80	17.80	24.8
			1	99	1	49	22.76	17.31	23.85	23.80	17.80	24.8
			50	0	25	0	22.46	19.78	24.32	22.80	20.50	24.8
			50	24	25	12	21.94	20.13	24.14	22.80	20.50	24.8
			50	50	25	25	22.07	20.21	24.25	22.80	20.50	24.8
18900	23095	QPSK	1	0	1	0	22.03	16.86	23.97	23.80	17.80	24.8
			1	49	1	25	22.76	17.11	23.81	23.80	17.80	24.8
			1	99	1	49	22.67	17.24	23.76	23.80	17.80	24.8
			50	0	25	0	22.24	19.85	24.22	22.80	20.50	24.8
			50	24	25	12	22.14	20.13	24.26	22.80	20.50	24.8
			50	50	25	25	22.16	20.22	24.31	22.80	20.50	24.8
19100	23130	QPSK	1	0	1	0	22.83	16.85	23.81	23.80	17.80	24.8
			1	49	1	25	22.96	17.03	23.95	23.80	17.80	24.8
			1	99	1	49	22.72	17.41	23.84	23.80	17.80	24.8
			50	0	25	0	21.84	20.19	24.10	22.80	20.50	24.8
			50	24	25	12	22.19	20.09	24.28	22.80	20.50	24.8
			50	50	25	25	21.97	20.35	24.25	22.80	20.50	24.8

PCC:Ant2		SCC:Ant1		Tune up Power (dbm)								
CA_2A-12A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC				PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
18700	23060	QPSK	1	0	1	0	21.88	18.03	23.38	23.60	18.60	24.8
			1	49	1	25	21.84	17.67	23.25	23.60	18.60	24.8
			1	99	1	49	21.71	18.06	23.27	23.60	18.60	24.8
			50	0	25	0	20.93	20.17	23.58	22.60	20.80	24.8
			50	24	25	12	20.97	19.87	23.47	22.60	20.80	24.8
			50	50	25	25	20.84	19.76	23.34	22.60	20.80	24.8
18900	23095	QPSK	1	0	1	0	21.91	17.83	23.34	22.60	20.80	24.8
			1	49	1	25	21.69	17.54	23.10	23.60	18.60	24.8
			1	99	1	49	21.85	17.24	23.14	23.60	18.60	24.8
			50	0	25	0	21.11	19.87	23.54	22.60	20.80	24.8
			50	24	25	12	20.94	20.05	23.53	22.60	20.80	24.8
			50	50	25	25	20.89	19.77	23.38	22.60	20.80	24.8
19100	23130	QPSK	1	0	1	0	20.83	20.10	23.49	22.60	20.80	24.8
			1	49	1	25	21.79	17.86	23.27	23.60	18.60	24.8
			1	99	1	49	21.70	17.66	23.14	23.60	18.60	24.8
			50	0	25	0	21.80	17.39	23.14	23.60	18.60	24.8
			50	24	25	12	20.90	20.20	23.57	22.60	20.80	24.8
			50	50	25	25	20.89	19.86	23.42	22.60	20.80	24.8

PCC:Ant3		SCC:Ant0		Tune up Power (dbm)								
CA_2A-12A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC				PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
18700	23060	QPSK	1	0	1	0	23.16	16.16	23.95	23.80	17.80	24.8
			1	49	1	25	23.27	16.56	24.11	23.80	17.80	24.8
			1	99	1	49	23.29	15.81	24.00	23.80	17.80	24.8
			50	0	25	0	22.25	19.26	24.02	22.80	20.50	24.8
			50	24	25	12	22.48	19.21	24.10	22.80	20.50	24.8
			50	50	25	25	22.37	19.45	24.16	22.80	20.50	24.8
18900	23095	QPSK	1	0	1	0	22.44	19.17	24.12	22.80	20.50	24.8
			1	49	1	25	23.26	16.08	24.02	23.80	17.80	24.8
			1	99	1	49	23.21	16.41	24.03	23.80	17.80	24.8
			50	0	25	0	22.33	19.07	24.01	22.80	20.50	24.8
			50	24	25	12	22.50	19.08	24.13	22.80	20.50	24.8
			50	50	25	25	22.16	19.60	24.08	22.80	20.50	24.8
19100	23130	QPSK	1	0	1	0	22.35	19.27	24.09	22.80	20.50	24.8
			1	49	1	25	23.10	16.30	23.92	23.80	17.80	24.8
			1	99	1	49	23.24	16.47	24.07	23.80	17.80	24.8
			50	0	25	0	22.37	19.42	24.15	22.80	20.50	24.8
			50	24	25	12	22.35	19.17	24.06	22.80	20.50	24.8
			50	50	25	25	22.27	19.33	24.05	22.80	20.50	24.8

PCC:Ant0		SCC:Ant2		Tune up Power (dbm)								
CA_12A-2A												
Combination 10MHz+20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC				PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
23060	18700	QPSK	1	0	1	0	22.68	15.82	23.49	23.40	16.80	24.3
			1	25	1	49	22.22	15.51	23.06	23.40	16.80	24.3
			1	49	1	99	21.69	15.63	22.65	23.40	16.80	24.3
			25	0	50	0	21.76	17.96	23.27	22.80	18.80	24.3
			25	12	50	24	21.44	18.19	23.12	22.80	18.80	24.3
			25	25	50	50	21.21	18.19	22.97	22.80	18.80	24.3
23095	18900	QPSK	50	0	100	0	21.55	18.05	23.15	22.80	18.80	24.3
			1	0	1	0	22.27	15.67	23.13	23.40	16.80	24.3
			1	25	1	49	21.83	15.73	22.78	23.40	16.80	24.3
			1	49	1	99	21.83	15.56	22.75	23.40	16.80	24.3
			25	0	50	0	21.30	18.04	22.98	22.80	18.80	24.3
			25	12	50	24	21.50	18.24	23.18	22.80	18.80	24.3
23130	19100	QPSK	25	25	50	50	21.35	18.33	23.11	22.80	18.80	24.3
			50	0	100	0	21.66	18.39	23.34	22.80	18.80	24.3
			1	0	1	0	22.10	15.49	22.96	23.40	16.80	24.3
			1	25	1	49	21.94	15.72	22.87	23.40	16.80	24.3
			1	49	1	99	21.86	15.70	22.80	23.40	16.80	24.3
			25	0	50	0	21.45	18.21	23.14	22.80	18.80	24.3

PCC:Ant1		SCC:Ant3		Tune up Power (dbm)								
CA_12A-2A												
Combination 10MHz+20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC				PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
23060	18700	QPSK	1	0	1	0	22.40	16.72	23.44	23.80	17.80	24.8
			1	25	1	49	22.57	16.96	23.62	23.80	17.80	24.8
			1	49	1	99	22.85	17.23	23.90	23.80	17.80	24.8
			25	0	50	0	21.75	18.31	23.71	22.80	20.50	24.8
			25	12	50	24	21.99	19.58	23.96	22.80	20.50	24.8
			25	25	50	50	22.14	19.59	24.06	22.80	20.50	24.8
23095	18900	QPSK	50	0	100	0	21.85	19.49	23.84	22.80	20.50	24.8
			1	0	1	0	22.77	17.16	23.82	23.80	17.80	24.8
			1	25	1	49	23.00	16.98	23.97	23.80	17.80	24.8
			1	49	1	99	23.33	16.91	24.22	23.80	17.80	24.8
			25	0	50	0	22.09	19.47	23.98	22.80	20.50	24.8
			25	12	50	24	22.27	19.20	24.01	22.80	20.50	24.8
23130	19100	QPSK	25	25	50	50	22.47	19.24	24.16	22.80	20.50	24.8
			50	0	100	0	22.34	19.15	24.04	22.80	20.50	24.



PCC:Ant2		SCC:Ant0		Tune up Power (dBm)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
20050	23060	QPSK	1	0	1	0	21.20	15.61	22.30	16.50	23.3	
			1	49	1	25	21.02	15.46	22.09	22.30	16.50	23.3
			1	99	1	49	20.97	15.64	22.09	22.30	16.50	23.3
			50	0	25	0	20.41	18.38	22.52	21.30	19.00	23.3
			50	24	25	12	20.38	18.17	22.42	21.30	19.00	23.3
			50	50	25	25	20.24	18.07	22.30	21.30	19.00	23.3
20175	23095	QPSK	1	0	1	0	20.34	18.18	22.40	21.30	19.00	23.3
			1	49	1	25	21.29	15.68	22.34	22.30	16.50	23.3
			1	99	1	49	20.84	14.59	21.76	22.30	16.50	23.3
			50	0	25	0	20.31	17.96	22.30	21.30	19.00	23.3
			50	24	25	12	20.17	17.62	22.09	21.30	19.00	23.3
			50	50	25	25	20.09	17.41	21.96	21.30	19.00	23.3
20300	23130	QPSK	1	0	1	0	20.23	17.74	22.17	21.30	19.00	23.3
			1	49	1	25	21.05	15.30	22.07	22.30	16.50	23.3
			1	99	1	49	20.87	14.84	21.84	22.30	16.50	23.3
			1	99	1	49	20.72	14.91	21.73	22.30	16.50	23.3
			50	0	25	0	20.03	17.53	21.97	21.30	19.00	23.3
			50	24	25	12	19.96	17.34	21.85	21.30	19.00	23.3

PCC:Ant3		SCC:Ant1		Tune up Power (dBm)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
20050	23060	QPSK	1	0	1	0	22.39	17.32	23.57	23.60	18.60	24.8
			1	49	1	25	22.27	17.31	23.49	23.60	18.60	24.8
			1	99	1	49	22.37	17.91	23.70	23.60	18.60	24.8
			50	0	25	0	21.81	18.66	23.75	22.60	20.80	24.8
			50	24	25	12	21.51	19.96	23.81	22.60	20.80	24.8
			50	50	25	25	21.57	19.95	23.85	22.60	20.80	24.8
20175	23095	QPSK	1	0	1	0	21.51	20.01	23.83	22.60	20.80	24.8
			1	49	1	25	22.33	17.10	23.47	23.60	18.60	24.8
			1	99	1	49	22.29	17.43	23.52	23.60	18.60	24.8
			50	0	25	0	21.59	19.81	23.80	22.60	20.80	24.8
			50	24	25	12	21.57	19.91	23.83	22.60	20.80	24.8
			50	50	25	25	21.66	20.15	23.98	22.60	20.80	24.8
20300	23130	QPSK	1	0	1	0	21.54	19.98	23.84	22.60	20.80	24.8
			1	49	1	25	22.51	17.42	23.66	23.60	18.60	24.8
			1	99	1	49	22.21	17.24	23.41	23.60	18.60	24.8
			50	0	25	0	21.54	20.13	23.90	22.60	20.80	24.8
			50	24	25	12	21.51	20.10	23.87	22.60	20.80	24.8
			50	50	25	25	21.66	20.24	24.02	22.60	20.80	24.8

PCC:Ant2		SCC:Ant1		Tune up Power (dBm)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
20050	23060	QPSK	1	0	1	0	21.71	18.12	23.29	23.30	19.50	24.8
			1	49	1	25	21.62	18.09	23.21	23.30	19.50	24.8
			1	99	1	49	21.98	18.05	23.46	23.30	19.50	24.8
			50	0	25	0	20.97	20.69	23.84	22.00	21.50	24.8
			50	24	25	12	21.05	20.45	23.77	22.00	21.50	24.8
			50	50	25	25	20.81	20.57	23.70	22.00	21.50	24.8
20175	23095	QPSK	1	0	1	0	20.98	20.60	23.79	22.00	21.50	24.8
			1	49	1	25	21.88	18.13	23.41	23.30	19.50	24.8
			1	99	1	49	21.80	17.99	23.31	23.30	19.50	24.8
			50	0	25	0	21.97	17.95	23.42	23.30	19.50	24.8
			50	24	25	12	20.94	20.57	23.77	22.00	21.50	24.8
			50	50	25	25	20.96	20.44	23.72	22.00	21.50	24.8
20300	23130	QPSK	1	0	1	0	20.71	19.98	23.21	23.30	19.50	24.8
			1	49	1	25	21.44	18.00	23.06	23.30	19.50	24.8
			1	99	1	49	22.09	18.21	23.58	23.30	19.50	24.8
			50	0	25	0	21.00	20.64	23.83	22.00	21.50	24.8
			50	24	25	12	21.12	20.28	23.73	22.00	21.50	24.8
			50	50	25	25	20.71	20.64	23.69	22.00	21.50	24.8

PCC:Ant3		SCC:Ant0		Tune up Power (dBm)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
20050	23060	QPSK	1	0	1	0	22.83	17.16	23.87	23.60	18.60	24.8
			1	49	1	25	22.64	17.47	23.79	23.60	18.60	24.8
			1	99	1	49	22.92	17.25	23.96	23.60	18.60	24.8
			50	0	25	0	21.87	19.67	23.92	22.60	20.80	24.8
			50	24	25	12	22.09	19.72	24.08	22.60	20.80	24.8
			50	50	25	25	21.90	20.05	24.08	22.60	20.80	24.8
20175	23095	QPSK	1	0	1	0	22.06	19.71	24.05	22.60	20.80	24.8
			1	49	1	25	22.78	17.07	23.81	23.60	18.60	24.8
			1	99	1	49	22.70	17.42	23.83	23.60	18.60	24.8
			50	0	25	0	21.78	19.66	23.86	22.60	20.80	24.8
			50	24	25	12	22.17	19.52	24.05	22.60	20.80	24.8
			50	50	25	25	21.81	20.02	24.02	22.60	20.80	24.8
20300	23130	QPSK	1	0	1	0	22.10	19.66	24.06	22.60	20.80	24.8
			1	49	1	25	22.87	17.12	23.89	23.60	18.60	24.8
			1	99	1	49	22.59	17.51	23.98	23.60	18.60	24.8
			50	0	25	0	21.86	19.82	23.97	22.60	20.80	24.8
			50	24	25	12	22.00	19.88	24.08	22.60	20.80	24.8
			50	50	25	25	22.08	19.70	24.06	22.60	20.80	24.8

PCC:Ant0		SCC:Ant2		Tune up Power (dBm)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
23060	20050	QPSK	1	0	1	0	22.84	16.41	23.73	23.40	16.80	24.3
			1	25	1	49	22.29	15.36	23.09	23.40	16.80	24.3
			1	49	1	99	21.58	15.19	22.48	23.40	16.80	24.3
			25	0	50	0	21.75	18.01	23.28	22.80	18.80	24.3
			25	12	50	24	21.43	17.78	22.99	22.80	18.80	24.3
			25	25	50	50	21.11	17.78	22.77	22.80	18.80	24.3
23095	20175	QPSK	50	0	100	0	21.60	17.62	23.06	22.80	18.80	24.3
			1	0	1	0	22.39	15.92	23.27	23.40	16.80	24.3
			1	25	1	49	21.80	15.76	22.77	23.40	16.80	24.3
			1	49	1	99	21.73	15.68	22.69	23.40	16.80	24.3
			25	0	50	0	21.31	17.67	22.87	22.80	18.80	24.3
			25	12	50	24	21.05	17.56	22.66	22.80	18.80	24.3
23130	20300	QPSK	25	25	50	50	20.92	17.50	22.55	22.80	18.80	24.3
			50	0	100	0	21.09	17.52	22.67	22.80	18.80	24.3
			1	0	1	0	22.04	15.75	22.96	23.40	16.80	24.3
			1	25	1	49	21.94	15.46	22.82	23.40	16.80	24.3
			1	49	1	99	21.51	15.43	22.47	23.40	16.80	24.3
			25	0	50	0	21.50	17.40	22.93	22.80	18.80	24.3

PCC:Ant1		SCC:Ant3		Tune up Power (dBm)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
23060	20050	QPSK	1	0	1	0	22.82	16.55	23.74	23.80	17.80	24.8
			1	25	1	49	23.03	16.80	23.96	23.80	17.80	24.8
			1	49	1	99	23.04	16.99	24.00	23.80	17.80	24.8
			25	0	50	0	21.83	19.38	23.85	23.20	19.80	24.8
			25	12	50	24	22.44	19.50	24.22	23.20	19.80	24.8
			25	25	50	50	22.36	19.46	24.16	23.20	19.80	24.8
23095	20175	QPSK	50	0	100	0	22.50	19.46	24.25	23.20	19.80	24.8
			1	0	1	0	22.77	16.86	23.76	23.80	17.80	24.8
			1	25	1	49	23.00	16.75	23.92	23.80	17.80	24.8
			1	49	1	99	23.39	17.02	24.29	23.80	17.80	24.8
			25	0	50	0	22.13	19.39	23.98	23.20	19.80	24.8
			25	12	50	24	22.28	19.36	24.07	23.20	19.80	24.8
23130	20300	QPSK	25	25	50	50	22.51	19.50	24.27	23.20	19.80	24.8
			50	0	100	0	22.34	19.38	24.12	23.20	19.80	24.8
			1	0	1	0	23.13	16.94	24.07	23.80	17.80	24.8
			1	25	1	49	23.20	16.89	24.11	23.80	17.80	24.8
			1	49	1	99	23.33	17.04	24.25	23.80	17.80	24.8
			25	0	50	0	22.48	19.53	24.26	23.20	19.80	24.8

PCC:Ant1		SCC:Ant2		Tune up Power (dBm)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
23060	20050	QPSK	1	0	1	0	22.82	16.52	23.73	23.80	17.80	24.8
			1	25	1	49	23.40	16.54	24.21	23.80	17.80	24.8
			1	49	1	99	22.85	15.90	23.65	23.80	17.80	24.8
			25	0	50	0	22.84	18.30	24.15	23.20	19.80	



PCC:Ant2		SCC:Ant0		Tune up Power (dBm)								
CA_66A-12A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
132072	23060	QPSK	1	0	1	0	21.27	15.43	22.30	16.50	23.3	
			1	49	1	25	21.14	15.64	22.22	22.30	16.50	23.3
			1	99	1	49	20.91	15.40	21.99	22.30	16.50	23.3
			50	0	25	0	20.54	18.11	22.50	21.30	19.00	23.3
			50	24	25	12	20.57	18.08	22.51	21.30	19.00	23.3
			50	50	25	25	20.38	17.98	22.35	21.30	19.00	23.3
			100	0	50	0	20.39	18.00	22.37	21.30	19.00	23.3
			1	0	1	0	21.09	15.62	22.17	22.30	16.50	23.3
			1	49	1	25	20.60	14.86	21.81	22.30	16.50	23.3
			1	99	1	49	20.73	15.02	21.76	22.30	16.50	23.3
132322	23095	QPSK	50	0	25	0	20.04	17.80	22.07	21.30	19.00	23.3
			50	24	25	12	19.98	17.58	21.95	21.30	19.00	23.3
			50	50	25	25	19.95	17.30	21.83	21.30	19.00	23.3
			100	0	50	0	19.97	17.66	21.98	21.30	19.00	23.3
			1	0	1	0	20.82	14.86	21.80	22.30	16.50	23.3
			1	49	1	25	20.88	14.77	21.83	22.30	16.50	23.3
			1	99	1	49	20.84	15.11	21.87	22.30	16.50	23.3
			50	0	25	0	20.07	17.45	21.96	21.30	19.00	23.3
			50	24	25	12	20.02	17.11	21.81	21.30	19.00	23.3
			50	50	25	25	20.04	17.01	21.79	21.30	19.00	23.3
100	0	50	0	19.87	17.41	21.82	21.30	19.00	23.3			

PCC:Ant3		SCC:Ant1		Tune up Power (dBm)								
CA_66A-12A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
132072	23060	QPSK	1	0	1	0	22.38	17.00	23.49	23.60	18.60	24.8
			1	49	1	25	22.52	17.55	23.72	23.60	18.60	24.8
			1	99	1	49	22.48	17.25	23.62	23.60	18.60	24.8
			50	0	25	0	21.85	19.84	23.97	22.60	20.80	24.8
			50	24	25	12	21.83	20.08	24.05	22.60	20.80	24.8
			50	50	25	25	21.73	20.38	24.12	22.60	20.80	24.8
			100	0	50	0	21.83	19.90	23.98	22.60	20.80	24.8
			1	0	1	0	22.30	17.37	23.51	23.60	18.60	24.8
			1	49	1	25	22.45	17.61	23.68	23.60	18.60	24.8
			1	99	1	49	22.70	17.94	23.95	23.60	18.60	24.8
132322	23095	QPSK	50	0	25	0	21.95	20.09	24.13	22.60	20.80	24.8
			50	24	25	12	21.59	20.22	23.97	22.60	20.80	24.8
			50	50	25	25	21.76	20.44	24.16	22.60	20.80	24.8
			100	0	50	0	21.50	20.34	23.97	22.60	20.80	24.8
			1	0	1	0	22.79	17.20	23.85	23.60	18.60	24.8
			1	49	1	25	22.98	17.63	24.09	23.60	18.60	24.8
			1	99	1	49	22.83	17.75	24.00	23.60	18.60	24.8
			50	0	25	0	21.60	20.02	23.89	22.60	20.80	24.8
			50	24	25	12	21.88	20.14	24.11	22.60	20.80	24.8
			50	50	25	25	21.61	20.09	23.93	22.60	20.80	24.8
100	0	50	0	21.52	20.01	23.84	22.60	20.80	24.8			

PCC:Ant2		SCC:Ant1		Tune up Power (dBm)								
CA_66A-12A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
132072	23060	QPSK	1	0	1	0	21.51	18.46	23.26	23.30	19.50	24.8
			1	49	1	25	21.48	17.93	23.07	23.30	19.50	24.8
			1	99	1	49	21.73	18.49	23.42	23.30	19.50	24.8
			50	0	25	0	20.61	20.26	23.45	22.00	21.50	24.8
			50	24	25	12	20.76	19.97	23.39	22.00	21.50	24.8
			50	50	25	25	20.94	19.95	23.48	22.00	21.50	24.8
			100	0	50	0	20.76	19.97	23.39	22.00	21.50	24.8
			1	0	1	0	21.37	18.29	23.11	23.30	19.50	24.8
			1	49	1	25	21.47	17.84	23.03	23.30	19.50	24.8
			1	99	1	49	21.57	18.32	23.25	23.30	19.50	24.8
132322	23095	QPSK	50	0	25	0	20.49	20.26	23.39	22.00	21.50	24.8
			50	24	25	12	20.74	20.06	23.42	22.00	21.50	24.8
			50	50	25	25	20.84	20.17	23.53	22.00	21.50	24.8
			100	0	50	0	20.79	20.00	23.42	22.00	21.50	24.8
			1	0	1	0	21.47	18.28	23.17	23.30	19.50	24.8
			1	49	1	25	21.55	17.98	23.13	23.30	19.50	24.8
			1	99	1	49	21.90	18.51	23.54	23.30	19.50	24.8
			50	0	25	0	20.44	20.23	23.35	22.00	21.50	24.8
			50	24	25	12	20.63	20.41	23.53	22.00	21.50	24.8
			50	50	25	25	21.10	20.47	23.81	22.00	21.50	24.8
100	0	50	0	20.71	20.35	23.54	22.00	21.50	24.8			

PCC:Ant3		SCC:Ant0		Tune up Power (dBm)								
CA_66A-12A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
132072	23060	QPSK	1	0	1	0	22.79	16.89	23.78	23.60	18.60	24.8
			1	49	1	25	22.58	16.98	23.64	23.60	18.60	24.8
			1	99	1	49	22.55	17.27	23.68	23.60	18.60	24.8
			50	0	25	0	21.76	19.01	23.61	22.60	20.80	24.8
			50	24	25	12	21.85	19.21	23.74	22.60	20.80	24.8
			50	50	25	25	21.79	19.37	23.76	22.60	20.80	24.8
			100	0	50	0	21.90	19.12	23.74	22.60	20.80	24.8
			1	0	1	0	22.65	17.62	23.84	23.60	18.60	24.8
			1	49	1	25	22.38	17.76	23.67	23.60	18.60	24.8
			1	99	1	49	22.65	17.16	23.73	23.60	18.60	24.8
132322	23095	QPSK	50	0	25	0	21.68	18.92	23.53	22.60	20.80	24.8
			50	24	25	12	21.73	19.41	23.73	22.60	20.80	24.8
			50	50	25	25	21.69	19.53	23.75	22.60	20.80	24.8
			100	0	50	0	21.86	19.14	23.72	22.60	20.80	24.8
			1	0	1	0	22.94	16.96	23.92	23.60	18.60	24.8
			1	49	1	25	22.47	16.90	23.53	23.60	18.60	24.8
			1	99	1	49	22.53	17.15	23.64	23.60	18.60	24.8
			50	0	25	0	21.64	18.84	23.47	22.60	20.80	24.8
			50	24	25	12	21.79	19.20	23.70	22.60	20.80	24.8
			50	50	25	25	21.67	19.26	23.64	22.60	20.80	24.8
100	0	50	0	21.84	19.19	23.72	22.60	20.80	24.8			

PCC:Ant0		SCC:Ant2		Tune up Power (dBm)								
CA_12A-66A												
Combination 10MHz+20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
23060	132072	QPSK	1	0	1	0	22.51	15.29	23.26	23.40	16.80	24.3
			1	25	1	49	22.14	15.44	22.98	23.40	16.80	24.3
			1	49	1	99	21.53	15.40	22.48	23.40	16.80	24.3
			25	0	50	0	21.60	18.36	23.29	22.80	18.80	24.3
			25	12	50	24	21.44	18.24	23.14	22.80	18.80	24.3
			25	25	50	50	20.93	18.33	22.83	22.80	18.80	24.3
			50	0	100	0	21.37	18.34	23.12	22.80	18.80	24.3
			1	0	1	0	22.49	15.43	23.27	23.40	16.80	24.3
			1	25	1	49	21.87	15.33	22.74	23.40	16.80	24.3
			1	49	1	99	21.63	15.36	22.55	23.40	16.80	24.3
23095	132322	QPSK	25	0	50	0	21.36	17.87	22.97	22.80	18.80	24.3
			25	12	50	24	21.18	17.93	22.86	22.80	18.80	24.3
			25	25	50	50	21.19	17.87	22.85	22.80	18.80	24.3
			50	0	100	0	20.90	18.05	22.72	22.80	18.80	24.3
			1	0	1	0	22.14	15.38	22.97	23.40	16.80	24.3
			1	25	1	49	22.07	15.74	22.98	23.40	16.80	24.3
			1	49	1	99	21.41	15.99	22.51	23.40	16.80	24.3
			25	0	50	0	21.42	17.74	22.97	22.80	18.80	24.3
			25	12	50	24	21.23	17.99	22.92	22.80	18.80	24.3
			25	25	50	50	20.99	18.03	22.77	22.80	18.80	24.3
50	0	100	0	21.26	18.03	22.95	22.80	18.80	24.3			

PCC:Ant1		SCC:Ant3		Tune up Power (dBm)						
CA_12A-66A										
Combination 10MHz+20MHz (50RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
23060	132072	QPSK	1	0	1	0				







n3 Ant 3										
RF Bldg	Module	RF Stat	RF Chan	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Time-to-Set (Sec)	ERP (dB)		
Channel										
20	PIU-BPDC	1	1	2311	2314	2316				
20	PIU-BPDC	1	33	2310	2317	2319	24.8	0.0		
20	PIU-BPDC	1	104	2311	2316	2317	24.8	0.0		
20	PIU-BPDC	30	1	2320	2328	2327	24.8	0.0		
20	PIU-BPDC	30	30	2321	2319	2317	24.8	0.0		
20	PIU-BPDC	30	30	2327	2338	2335	24.8	0.0		
20	PIU-BPDC	100	1	2320	2322	2327	24.8	0.0		
20	CPDC	1	1	2318	2341	2348				
20	CPDC	1	33	2318	2338	2338	24.8	0.0		
20	CPDC	1	104	2318	2334	2338	24.8	0.0		
20	CPDC	30	1	2318	2330	2330	23.8	1.0		
20	CPDC	30	30	2318	2319	2319	23.8	1.0		
20	CPDC	30	30	2324	2336	2336	23.8	1.0		
20	CPDC	100	1	2318	2336	2336	23.8	1.0		
20	WOWM	1	1	2316	2316	2315	23.8	1.0		
20	WOWM	1	1	2316	2316	2315	23.2	1.0		
20	WOWM	1	1	1924	1932	1933	20.3	4.0		
Channel										
10	PIU-BPDC	1	1	2311	2310	2316	24.8	0.0		
Channel										
10	PIU-BPDC	1	1	2311	2317	2317	24.8	0.0		
Channel										
5	PIU-BPDC	1	1	2310	2319	2319	24.8	0.0		

Full Power Mode										
n3 Ant 1										
RF Bldg	Module	RF Stat	RF Chan	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Time-to-Set (Sec)	ERP (dB)		
Channel										
20	PIU-BPDC	1	1	2318	2310	2312				
20	PIU-BPDC	1	33	2310	2310	2310	24.8	0.0		
20	PIU-BPDC	1	104	2317	2310	2315	24.8	0.0		
20	PIU-BPDC	30	1	2341	2347	2342	24.8	0.0		
20	PIU-BPDC	30	30	2334	2333	2334	24.8	0.0		
20	PIU-BPDC	30	30	2335	2335	2337	24.8	0.0		
20	PIU-BPDC	100	1	2318	2342	2342	24.8	0.0		
20	CPDC	1	1	2404	2410	2383				
20	CPDC	1	33	2318	2342	2388	24.8	0.0		
20	CPDC	1	104	2318	2310	2370	24.8	0.0		
20	CPDC	30	1	2310	2310	2310	23.8	1.0		
20	CPDC	30	30	2318	2316	2316	23.8	1.0		
20	CPDC	30	30	2316	2316	2316	23.8	1.0		
20	CPDC	100	1	2310	2312	2318	23.8	1.0		
20	WOWM	1	1	2130	2145	2120	22.1	2.5		
20	WOWM	1	1	1942	1938	1928	20.3	4.0		
Channel										
10	PIU-BPDC	1	1	2311	2315	2315	24.8	0.0		
Channel										
10	PIU-BPDC	1	1	2311	2316	2316	24.8	0.0		
Channel										
10	PIU-BPDC	1	1	2311	2316	2316	24.8	0.0		
Channel										
5	PIU-BPDC	1	1	2310	2310	2310	24.8	0.0		

n7 Ant 3										
RF Bldg	Module	RF Stat	RF Chan	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Power Level Ch. / Freq.	Time-to-Set (Sec)	ERP (dB)		
Channel										
20	PIU-BPDC	1	1	2314	2316	2316				
20	PIU-BPDC	1	33	2317	2310	2314	24.8	0.0		
20	PIU-BPDC	1	104	2316	2316	2311	24.8	0.0		
20	PIU-BPDC	30	1	2323	2320	2319	24.8	0.0		
20	PIU-BPDC	30	30	2315	2310	2310	24.8	0.0		
20	PIU-BPDC	30	30	2330	2330	2329	24.8	0.0		
20	PIU-BPDC	100	1	2311	2317	2316	24.8	0.0		
20	CPDC	1	1	2311	2310	2310				
20	CPDC	1	33	2316	2316	2316	24.8	0.0		
20	CPDC	1	104	2316	2311	2316	24.8	0.0		
20	CPDC	30	1	2312	2312	2317	23.8	1.0		
20	CPDC	30	30	2316	2316	2316	23.8	1.0		
20	CPDC	30	30	2310	2310	2310	23.8	1.0		
20	CPDC	100	1	2316	2316	2316	23.8	1.0		
20	WOWM	1	1	2145	2122	2110	22.1	2.5		
20	WOWM	1	1	1947	1930	1920	20.3	4.0		
Channel										
10	PIU-BPDC	1	1	2316	2310	2310	24.8	0.0		
Channel										
10	PIU-BPDC	1	1	2316	2316	2316	24.8	0.0		
Channel										
5	PIU-BPDC	1	1	2316	2310	2310	24.8	0.0		







n2_Ant 2									
RF (MHz)	Modulation	RF Size	RF Offset	Power Level Ch. 1 Power	Power Level Ch. 2 Power	Power Level Ch. 3 Power	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PFC BPSK	1	1	21.22	21.12	21.02			
20	PFC BPSK	1	53	21.22	21.12	21.11	21.8	0.0	
20	PFC BPSK	1	104	21.21	21.22	21.02			
20	PFC BPSK	50	0	20.75	20.65	20.60	21.8	0.0	
20	PFC BPSK	50	38	21.20	21.22	21.17	21.8	0.0	
20	PFC BPSK	50	90	21.14	21.12	20.95	21.8	0.0	
20	PFC BPSK	100	0	20.65	20.67	20.59	21.8	0.0	
20	CPFSK	1	1	21.08	21.18	21.05			
20	CPFSK	1	53	21.07	21.15	21.05	21.8	0.0	
20	CPFSK	1	104	21.19	21.14	21.02			
20	CPFSK	50	0	21.44	21.25	20.70	21.8	0.0	
20	CPFSK	50	38	21.21	21.14	21.09	21.8	0.0	
20	CPFSK	50	90	20.93	20.16	20.74	21.8	1.0	
20	CPFSK	100	0	20.28	20.24	20.15	21.8	1.0	
20	SSBAM	1	1	18.78	18.75	18.68	19.0	1.0	
20	SSBAM	1	1	18.78	18.50	18.50	19.0	2.0	
20	ZS3DM	1	1	18.71	18.60	18.55	17.8	4.0	
Channel									
Frequency (MHz)									
15	PFC BPSK	1	1	21.21	21.11	21.10			
15	PFC BPSK	1	53	21.21	21.11	21.10	21.8	0.0	
Channel									
Frequency (MHz)									
10	PFC BPSK	1	1	21.17	21.10	21.10	21.8	0.0	
Channel									
Frequency (MHz)									
5	PFC BPSK	1	1	20.19	20.18	20.18	21.8	0.0	

n5_Ant 0									
RF (MHz)	Modulation	RF Size	RF Offset	Power Level Ch. 1 Power	Power Level Ch. 2 Power	Power Level Ch. 3 Power	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PFC BPSK	1	1	22.07	22.40	22.80			
20	PFC BPSK	1	53	22.05	22.20	22.70	23.5	0.0	
20	PFC BPSK	1	104	22.75	22.15	22.80			
20	PFC BPSK	50	0	22.26	21.75	22.20	23.5	0.0	
20	PFC BPSK	50	38	22.03	22.10	22.70	23.5	0.0	
20	PFC BPSK	50	90	22.25	21.61	22.10	23.5	0.0	
20	PFC BPSK	100	0	22.30	21.58	22.20	23.5	0.0	
20	CPFSK	1	1	22.08	22.08	22.0			
20	CPFSK	1	53	22.05	22.05	22.05	23.5	0.0	
20	CPFSK	1	104	22.72	22.12	22.70			
20	CPFSK	50	0	21.81	21.27	21.84	23.5	1.0	
20	CPFSK	50	38	22.05	22.22	22.80	23.5	0.0	
20	CPFSK	50	90	21.80	21.10	21.80	23.5	1.0	
20	CPFSK	100	0	21.82	21.21	21.80	23.5	1.0	
20	SSBAM	1	1	21.71	21.68	21.60	22.0	1.0	
20	SSBAM	1	1	20.47	19.95	20.20	21.0	2.0	
20	ZS3DM	1	1	18.59	17.84	18.20	18.0	4.0	
Channel									
Frequency (MHz)									
15	PFC BPSK	1	1	22.15	21.93	21.75			
15	PFC BPSK	1	53	22.10	22.00	22.70	23.5	0.0	
Channel									
Frequency (MHz)									
10	PFC BPSK	1	1	22.16	22.20	22.02	23.5	0.0	
Channel									
Frequency (MHz)									
5	PFC BPSK	1	1	22.07	22.40	22.40	23.5	0.0	

n7_Ant 2									
RF (MHz)	Modulation	RF Size	RF Offset	Power Level Ch. 1 Power	Power Level Ch. 2 Power	Power Level Ch. 3 Power	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PFC BPSK	1	1	20.84	20.77	20.70			
20	PFC BPSK	1	53	20.87	20.76	20.64	21.8	0.0	
20	PFC BPSK	1	104	20.76	20.86	20.55			
20	PFC BPSK	50	0	20.44	20.32	20.28	21.8	0.0	
20	PFC BPSK	50	38	20.80	20.84	20.80	21.8	0.0	
20	PFC BPSK	50	90	20.25	20.34	20.20	21.8	0.0	
20	PFC BPSK	100	0	20.27	20.22	20.21	21.8	0.0	
20	CPFSK	1	1	20.58	20.78	20.78			
20	CPFSK	1	53	20.58	20.77	20.65	21.8	0.0	
20	CPFSK	1	104	20.77	20.76	20.88			
20	CPFSK	50	0	19.90	19.81	19.80	20.8	1.0	
20	CPFSK	50	38	20.74	20.77	20.82	21.8	0.0	
20	CPFSK	50	90	19.88	19.76	19.82	20.8	1.0	
20	CPFSK	100	0	19.84	19.72	19.68	20.8	1.0	
20	SSBAM	1	1	18.21	18.22	18.24	18.0	1.0	
20	SSBAM	1	1	18.25	18.14	18.11	18.0	2.0	
20	ZS3DM	1	1	18.24	18.12	18.10	18.0	4.0	
Channel									
Frequency (MHz)									
15	PFC BPSK	1	1	20.80	20.68	20.60			
15	PFC BPSK	1	53	20.80	20.72	20.69	21.8	0.0	
Channel									
Frequency (MHz)									
10	PFC BPSK	1	1	20.57	20.82	20.80	21.8	0.0	
Channel									
Frequency (MHz)									
5	PFC BPSK	1	1	20.81	20.70	20.68	21.8	0.0	







n77_FCC_Ant 9								
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				65000	65000	66000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.50	23.58	23.46	24.8	0.0
100	PI/2 BPSK	1	137	23.45	23.51	23.44		
100	PI/2 BPSK	1	271	23.41	23.50	23.41		
100	PI/2 BPSK	135	0	23.41	23.46	23.32	24.8	0.0
100	PI/2 BPSK	135	69	23.42	23.55	23.38		
100	PI/2 BPSK	135	138	23.38	23.41	23.35		
100	PI/2 BPSK	270	0	23.36	23.43	23.31	24.3	0.5
100	QPSK	1	1	23.44	23.41	23.40	24.8	0.0
100	QPSK	1	137	23.42	23.44	23.37		
100	QPSK	1	271	23.40	23.48	23.36		
100	QPSK	135	0	23.44	23.47	23.38	24.8	0.0
100	QPSK	135	69	23.43	23.41	23.39		
100	QPSK	135	138	23.41	23.39	23.34		
100	QPSK	270	0	23.42	23.35	23.36	23.8	1.0
100	16QAM	1	1	23.21	23.20	23.32	23.8	1.0
100	64QAM	1	1	21.64	21.68	21.66	22.3	2.5
100	256QAM	1	1	19.70	19.72	19.69	20.3	4.5
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	PI/2 BPSK	1	1	23.41	23.39	23.45	24.8	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	PI/2 BPSK	1	1	23.38	23.41	23.42	24.8	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3960.01	(dBm)	(dB)
60	PI/2 BPSK	1	1	23.37	23.42	23.47	24.8	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	PI/2 BPSK	1	1	23.31	23.45	23.41	24.8	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI/2 BPSK	1	1	23.46	23.39	23.45	24.8	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	PI/2 BPSK	1	1	23.41	23.31	23.44	24.8	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	PI/2 BPSK	1	1	23.38	23.42	23.48	24.8	0.0





Reduced Power Level 1 for Head

n2_Ant 2									
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)				1860	1880	1900			
20	PI2 BPSK	1	1	17.88	18.05	17.90			
20	PI2 BPSK	1	53	18.09	18.14	17.99	18.8	0.0	
20	PI2 BPSK	1	104	18.05	18.09	17.92			
20	PI2 BPSK	50	0	17.96	18.03	17.95	18.8	0.0	
20	PI2 BPSK	50	28	18.04	18.09	17.93	18.8	0.0	
20	PI2 BPSK	50	56	17.95	18.01	17.91	18.8	0.0	
20	PI2 BPSK	100	0	17.85	18.02	17.88			
20	QPSK	1	1	18.09	18.01	17.96			
20	QPSK	1	53	17.86	18.04	17.93	18.8	0.0	
20	QPSK	1	104	17.85	17.98	17.89			
20	QPSK	50	0	17.98	18.02	17.91	18.8	0.0	
20	QPSK	50	28	17.96	18.06	17.94	18.8	0.0	
20	QPSK	50	56	18.05	17.99	17.89	18.8	0.0	
20	QPSK	100	0	17.89	18.05	17.95			
20	16QAM	1	1	18.01	17.90	17.84	18.8	0.0	
20	16QAM	1	1	18.02	18.04	18.01	18.8	0.0	
20	256QAM	1	1	18.58	18.06	18.58	17.3	1.5	
Channel									
Frequency (MHz)				1862.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	18.01	17.81	17.85	18.8	0.0	
Channel									
Frequency (MHz)				37000	37600	38100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	PI2 BPSK	1	1	18.00	17.82	17.94	18.8	0.0	
Channel									
Frequency (MHz)				37050	37600	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5			
5	PI2 BPSK	1	1	17.99	17.80	17.91	18.8	0.0	

n5_Ant 0									
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)				834	836.5	839			
20	PI2 BPSK	1	1	22.09	21.93	21.90			
20	PI2 BPSK	1	53	21.95	21.90	21.90	22.5	0.0	
20	PI2 BPSK	1	104	21.86	21.80	21.78			
20	PI2 BPSK	50	0	21.98	21.88	21.83	22.5	0.0	
20	PI2 BPSK	50	28	22.00	21.90	21.85	22.5	0.0	
20	PI2 BPSK	50	56	21.91	21.84	21.80	22.5	0.0	
20	PI2 BPSK	100	0	21.97	21.87	21.83			
20	QPSK	1	1	22.07	22.03	22.00			
20	QPSK	1	53	21.75	21.94	21.93	22.5	0.0	
20	QPSK	1	104	21.45	21.85	21.60			
20	QPSK	50	0	21.97	21.99	21.84	22.5	0.0	
20	QPSK	50	28	21.72	21.91	21.90	22.5	0.0	
20	QPSK	50	56	21.81	21.90	21.86	22.5	0.0	
20	QPSK	100	0	20.86	21.90	20.99			
20	16QAM	1	1	21.91	22.01	21.98	22.5	0.0	
20	16QAM	1	1	20.47	19.60	20.20	21.0	1.5	
20	256QAM	1	1	18.59	17.44	18.38	19.0	3.5	
Channel									
Frequency (MHz)				831.5	838.5	841.5	Tune-up limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	22.00	21.90	21.82	22.5	0.0	
Channel									
Frequency (MHz)				16930	16930	16930	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				839	838.5	844			
10	PI2 BPSK	1	1	21.99	21.88	21.91	22.5	0.0	
Channel									
Frequency (MHz)				16930	16930	16930	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				832.5	831.5	842.5			
5	PI2 BPSK	1	1	21.94	21.84	21.87	22.5	0.0	

n7_Ant 2									
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)				2510	2535	2560			
20	PI2 BPSK	1	1	18.13	18.10	18.08			
20	PI2 BPSK	1	53	18.15	18.12	18.10	19.3	0.0	
20	PI2 BPSK	1	104	17.97	18.06	17.93			
20	PI2 BPSK	50	0	17.94	17.94	17.89	19.3	0.0	
20	PI2 BPSK	50	28	18.07	18.03	17.98	19.3	0.0	
20	PI2 BPSK	50	56	17.99	18.00	17.90	19.3	0.0	
20	PI2 BPSK	100	0	18.03	17.99	17.91			
20	QPSK	1	1	18.03	18.11	18.04			
20	QPSK	1	53	18.01	18.14	18.05	19.3	0.0	
20	QPSK	1	104	18.06	18.10	17.97			
20	QPSK	50	0	17.89	17.98	17.98	19.3	0.0	
20	QPSK	50	28	18.00	18.08	17.95	19.3	0.0	
20	QPSK	50	56	17.96	18.05	17.86	19.3	0.0	
20	QPSK	100	0	17.98	18.06	17.91			
20	16QAM	1	1	17.99	18.00	17.99	19.3	0.0	
20	16QAM	1	1	18.02	18.10	18.03	19.3	0.0	
20	256QAM	1	1	15.97	15.88	15.93	17.3	2.0	
Channel									
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	18.11	18.06	17.99	19.3	0.0	
Channel									
Frequency (MHz)				50100	50100	51300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	PI2 BPSK	1	1	18.06	18.02	17.96	19.3	0.0	
Channel									
Frequency (MHz)				50300	50700	51300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI2 BPSK	1	1	18.04	17.96	17.97	19.3	0.0	



n25 Ant 2									
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)				1890	1892.5	1905			
20	PI2 BPSK	1	1	17.93	17.95	18.04	18.8	0.0	
20	PI2 BPSK	1	53	17.82	17.90	18.00			
20	PI2 BPSK	1	104	17.78	17.87	17.91			
20	PI2 BPSK	50	0	17.78	17.86	17.96	18.9	0.0	
20	PI2 BPSK	50	28	17.83	17.94	17.98	18.8	0.0	
20	PI2 BPSK	50	56	17.72	17.80	17.83			
20	PI2 BPSK	100	0	17.73	17.80	17.97	18.8	0.0	
20	QPSK	1	1	17.93	18.00	17.91			
20	QPSK	1	53	17.97	17.96	17.85	18.8	0.0	
20	QPSK	1	104	17.87	17.81	17.82			
20	QPSK	50	0	17.94	17.99	17.88	18.8	0.0	
20	QPSK	50	28	18.00	17.90	17.82	18.8	0.0	
20	QPSK	50	56	17.97	17.85	17.87	18.8	0.0	
20	QPSK	100	0	17.92	17.95	17.83			
20	16QAM	1	1	17.71	17.85	17.72	18.8	0.0	
20	64QAM	1	1	17.82	17.96	17.86	18.8	0.0	
20	256QAM	1	1	16.96	16.48	16.34	17.8	1.0	
Channel									
Frequency (MHz)				1897.5	1892.5	1907.5	Tune-up limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	17.91	18.02	17.87	18.8	0.0	
Channel									
Frequency (MHz)				31600	31650	32000	Tune-up limit (dBm)	MPR (dB)	
Channel				1855	1892.5	1910			
10	PI2 BPSK	1	1	17.90	18.00	17.81	18.8	0.0	
Channel									
Frequency (MHz)				370500	378500	382000	Tune-up limit (dBm)	MPR (dB)	
Channel				1892.5	1892.5	1892.5			
5	PI2 BPSK	1	1	17.89	18.25	17.60	18.8	0.0	

n66 Ant 0									
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)				1720	1745	1770			
20	PI2 BPSK	1	1	16.88	16.68	16.60			
20	PI2 BPSK	1	53	16.73	16.60	16.48	17.8	0.0	
20	PI2 BPSK	1	104	16.82	16.69	16.53			
20	PI2 BPSK	50	0	16.74	16.61	16.47	17.8	0.0	
20	PI2 BPSK	50	28	16.75	16.68	16.50	17.8	0.0	
20	PI2 BPSK	50	56	16.65	16.52	16.36	17.8	0.0	
20	PI2 BPSK	100	0	16.69	16.56	16.40			
20	QPSK	1	1	16.83	16.70	16.54			
20	QPSK	1	53	16.69	16.56	16.40	17.8	0.0	
20	QPSK	1	104	16.83	16.70	16.54			
20	QPSK	50	0	16.77	16.64	16.48	17.8	0.0	
20	QPSK	50	28	16.69	16.56	16.42	17.8	0.0	
20	QPSK	50	56	16.73	16.59	16.43	17.8	0.0	
20	QPSK	100	0	16.71	16.58	16.44			
20	16QAM	1	1	16.65	16.53	16.37	17.8	0.0	
20	64QAM	1	1	16.67	16.54	16.38	17.8	0.0	
20	256QAM	1	1	16.60	16.49	16.35	17.8	0.0	
Channel									
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	16.85	16.79	16.65	17.8	0.0	
Channel									
Frequency (MHz)				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Channel				1715	1745	1775			
10	PI2 BPSK	1	1	16.83	16.80	16.68	17.8	0.0	
Channel									
Frequency (MHz)				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Channel				1712.5	1745	1772.5			
5	PI2 BPSK	1	1	16.79	16.72	16.67	17.8	0.0	

n66 Ant 2									
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)				1720	1745	1770			
20	PI2 BPSK	1	1	17.95	17.78	17.66			
20	PI2 BPSK	1	53	17.80	17.82	17.83	18.8	0.0	
20	PI2 BPSK	1	104	17.79	17.60	17.48			
20	PI2 BPSK	50	0	17.81	17.63	17.55	18.8	0.0	
20	PI2 BPSK	50	28	17.83	17.87	17.59	18.8	0.0	
20	PI2 BPSK	50	56	17.80	17.60	17.50	18.8	0.0	
20	PI2 BPSK	100	0	17.78	17.62	17.53			
20	QPSK	1	1	17.84	17.75	17.65			
20	QPSK	1	53	17.75	17.81	17.52	18.8	0.0	
20	QPSK	1	104	17.82	17.62	17.56			
20	QPSK	50	0	17.76	17.68	17.59	18.8	0.0	
20	QPSK	50	28	17.81	17.59	17.52	18.8	0.0	
20	QPSK	50	56	17.83	17.58	17.51	18.8	0.0	
20	QPSK	100	0	17.85	17.61	17.51			
20	16QAM	1	1	17.83	17.77	17.56	18.8	0.0	
20	64QAM	1	1	17.78	17.75	17.65	18.8	0.0	
20	256QAM	1	1	16.79	16.66	16.58	17.8	1.0	
Channel									
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	17.90	17.79	17.72	21.8	0.0	
Channel									
Frequency (MHz)				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Channel				1715	1745	1775			
10	PI2 BPSK	1	1	17.91	17.82	17.78	21.8	0.0	
Channel									
Frequency (MHz)				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Channel				1712.5	1745	1772.5			
5	PI2 BPSK	1	1	17.84	17.80	17.75	21.8	0.0	



n41 FCC Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	15.53	15.64	15.41	
100	PI2 BPSK	1	1	15.45	15.56	15.33	
100	PI2 BPSK	1	271	15.17	15.27	15.05	16.8
100	PI2 BPSK	135	0	15.39	15.50	15.27	
100	PI2 BPSK	135	69	15.46	15.67	15.34	0.0
100	PI2 BPSK	135	138	15.20	15.31	15.08	
100	PI2 BPSK	270	0	15.44	15.55	15.32	16.8
100	QPSK	1	1	15.52	15.61	15.38	
100	QPSK	1	137	15.41	15.52	15.29	16.8
100	QPSK	1	271	15.14	15.25	15.04	
100	QPSK	135	0	15.43	15.52	15.29	
100	QPSK	135	69	15.33	15.44	15.21	16.8
100	QPSK	135	138	15.20	15.31	15.08	
100	QPSK	270	0	15.41	15.52	15.29	16.8
100	16QAM	1	1	15.42	15.51	15.28	0.0
100	64QAM	1	1	15.47	15.58	15.35	0.0
100	256QAM	1	1	15.38	15.47	15.24	0.0
Channel							
Frequency (MHz)				2541	2592.99	2644.98	
90	PI2 BPSK	1	1	15.55	15.60	15.49	16.8
Channel							
Frequency (MHz)				5072.04	5189.98	5299.98	
80	PI2 BPSK	1	1	15.52	15.62	15.44	16.8
Channel							
Frequency (MHz)				5042.04	5189.98	5309.98	
50	PI2 BPSK	1	1	15.50	15.57	15.41	16.8
Channel							
Frequency (MHz)				5032.02	5189.98	5340.00	
40	PI2 BPSK	1	1	15.45	15.52	15.39	16.8
Channel							
Frequency (MHz)				5022.00	5189.98	5349.96	
30	PI2 BPSK	1	1	15.43	15.58	15.42	16.8
Channel							
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI2 BPSK	1	1	15.51	15.60	15.47	16.8

n41 HPUE FCC Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	15.93	16.04	15.80	
100	PI2 BPSK	1	137	16.10	16.21	15.97	16.8
100	PI2 BPSK	1	271	15.67	15.78	15.54	
100	PI2 BPSK	135	0	15.97	16.08	15.84	
100	PI2 BPSK	135	69	16.03	16.14	15.90	16.8
100	PI2 BPSK	135	138	15.86	15.99	15.75	
100	PI2 BPSK	270	0	15.96	16.07	15.83	16.8
100	QPSK	1	1	16.03	16.14	15.90	
100	QPSK	1	137	16.02	16.13	15.89	16.8
100	QPSK	1	271	15.93	16.04	15.70	
100	QPSK	135	0	16.01	16.12	15.88	
100	QPSK	135	69	15.98	16.09	15.85	16.8
100	QPSK	135	138	15.87	15.98	15.74	
100	QPSK	270	0	15.91	16.02	15.78	16.8
100	16QAM	1	1	15.96	16.07	15.83	0.0
100	64QAM	1	1	15.95	16.06	15.82	0.0
100	256QAM	1	1	16.03	16.14	15.90	0.0
Channel							
Frequency (MHz)				2541	2592.99	2644.98	
90	PI2 BPSK	1	1	16.11	16.20	15.92	16.8
Channel							
Frequency (MHz)				5072.04	5189.98	5299.98	
80	PI2 BPSK	1	1	16.02	16.19	15.92	16.8
Channel							
Frequency (MHz)				5042.04	5189.98	5309.98	
50	PI2 BPSK	1	1	16.09	16.11	15.91	16.8
Channel							
Frequency (MHz)				5032.02	5189.98	5340.00	
40	PI2 BPSK	1	1	16.02	16.07	16.02	16.8
Channel							
Frequency (MHz)				5022.00	5189.98	5349.96	
30	PI2 BPSK	1	1	16.06	16.14	15.94	16.8
Channel							
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI2 BPSK	1	1	16.11	16.15	15.97	16.8

n41 HPUE FCC Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	20.16	20.27	20.03	
100	PI2 BPSK	1	137	19.93	20.04	19.80	21.3
100	PI2 BPSK	1	271	19.63	19.74	19.50	
100	PI2 BPSK	135	0	19.95	20.06	19.82	
100	PI2 BPSK	135	69	20.00	20.13	19.89	0.0
100	PI2 BPSK	135	138	19.83	19.94	19.70	
100	PI2 BPSK	270	0	19.98	20.07	19.83	21.3
100	QPSK	1	1	20.13	20.23	19.99	
100	QPSK	1	137	19.95	20.06	19.84	21.3
100	QPSK	1	271	19.75	19.82	19.58	
100	QPSK	135	0	20.04	20.15	19.91	
100	QPSK	135	69	19.85	19.99	19.75	21.3
100	QPSK	135	138	19.71	19.82	19.58	
100	QPSK	270	0	19.88	20.00	19.76	20.8
100	16QAM	1	1	20.13	20.21	19.95	0.5
100	64QAM	1	1	20.14	20.21	19.99	0.5
100	256QAM	1	1	19.40	19.50	19.3	2.0
Channel							
Frequency (MHz)				2541	2592.99	2644.98	
90	PI2 BPSK	1	1	20.19	20.22	20.15	21.3
Channel							
Frequency (MHz)				5072.04	5189.98	5299.98	
80	PI2 BPSK	1	1	20.15	20.21	20.11	21.3
Channel							
Frequency (MHz)				5042.04	5189.98	5309.98	
50	PI2 BPSK	1	1	20.17	20.23	20.12	21.3
Channel							
Frequency (MHz)				5032.02	5189.98	5340.00	
40	PI2 BPSK	1	1	20.11	20.19	20.09	21.3
Channel							
Frequency (MHz)				5022.00	5189.98	5349.96	
30	PI2 BPSK	1	1	20.12	20.18	20.04	21.3
Channel							
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI2 BPSK	1	1	20.14	20.20	20.05	21.3



n77_FCC-Ant 9								
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				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.61	19.65	19.64	20.8	0.0
100	PI/2 BPSK	1	137	19.58	19.64	19.62		
100	PI/2 BPSK	1	271	19.57	19.63	19.63		
100	PI/2 BPSK	135	0	19.54	19.59	19.57	20.8	0.0
100	PI/2 BPSK	135	69	19.58	19.64	19.61		
100	PI/2 BPSK	135	138	19.51	19.54	19.60		
100	PI/2 BPSK	270	0	19.54	19.58	19.56	20.8	0.0
100	QPSK	1	1	19.57	19.55	19.54	20.8	0.0
100	QPSK	1	137	19.55	19.57	19.55		
100	QPSK	1	271	19.53	19.61	19.52		
100	QPSK	135	0	19.50	19.50	19.49	20.8	0.0
100	QPSK	135	69	19.53	19.54	19.47		
100	QPSK	135	138	19.54	19.52	19.45		
100	QPSK	270	0	19.55	19.48	19.49	20.8	0.0
100	16QAM	1	1	19.44	19.45	19.48	20.8	0.0
100	64QAM	1	1	19.41	19.44	19.42	20.8	0.0
100	256QAM	1	1	19.36	19.38	19.37	20.3	0.5
Channel				648668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	PI/2 BPSK	1	1	19.52	19.60	19.55	20.8	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	PI/2 BPSK	1	1	19.48	19.57	19.54	20.8	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	PI/2 BPSK	1	1	19.48	19.52	19.53	20.8	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	PI/2 BPSK	1	1	19.49	19.53	19.53	20.8	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI/2 BPSK	1	1	19.46	19.51	19.49	20.8	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	PI/2 BPSK	1	1	19.44	19.56	19.47	20.8	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	PI/2 BPSK	1	1	19.53	19.50	19.58	20.8	0.0



n2_Ant 2								
DB (dB)	Modulation	RB Size	RB Chan	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Through Rate (Mbps)	BER (%)
Channel								
Frequency (MHz)								
20	PUSCH	1	1	15.00	16.00	16.00		
20	PUSCH	1	33	17.00	17.00	16.94	17.8	0.0
20	PUSCH	1	100	17.00	16.94	16.97		
20	PUSCH	50	0	16.97	16.94	16.90	17.8	0.0
20	PUSCH	50	70	16.90	16.94	16.90	17.8	0.0
20	PUSCH	50	96	16.90	16.94	16.90	17.8	0.0
20	PUSCH	100	0	16.90	16.97	16.93		
20	CPICH	1	1	16.93	16.94	16.91	17.8	0.0
20	CPICH	1	33	16.93	16.94	16.93		
20	CPICH	50	0	16.93	16.97	16.94	17.8	0.0
20	CPICH	50	70	16.93	16.94	16.93	17.8	0.0
20	CPICH	50	96	16.93	16.94	16.93	17.8	0.0
20	CPICH	100	0	16.94	16.90	16.90		
20	HS-DSSS	1	1	16.96	17.00	16.99	17.8	0.0
20	HS-DSSS	1	1	16.97	16.90	16.90	17.8	0.0
20	HS-DSSS	1	1	16.93	16.90	16.90	17.8	0.0
Channel								
Frequency (MHz)								
15	PUSCH	1	1	16.94	16.92	16.94	17.8	0.0
Channel								
Frequency (MHz)								
10	PUSCH	1	1	17.00	17.00	17.00	17.8	0.0
Channel								
Frequency (MHz)								
5	PUSCH	1	1	17.00	16.94	17.00	17.8	0.0

n5_Ant 1								
DB (dB)	Modulation	RB Size	RB Chan	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Through Rate (Mbps)	BER (%)
Channel								
Frequency (MHz)								
20	PUSCH	1	1	21.04	20.90	20.90		
20	PUSCH	1	33	21.00	20.90	20.80	21.5	0.0
20	PUSCH	1	100	20.94	20.90	20.90		
20	PUSCH	50	0	20.90	20.80	20.70	21.5	0.0
20	PUSCH	50	70	20.90	20.80	20.80	21.5	0.0
20	PUSCH	50	96	20.90	20.70	20.70	21.5	0.0
20	PUSCH	100	0	20.90	20.80	20.70		
20	CPICH	1	1	21.02	20.90	20.90	21.5	0.0
20	CPICH	1	33	20.90	20.80	20.80		
20	CPICH	50	0	20.92	20.84	20.80	21.5	0.0
20	CPICH	50	70	20.90	20.80	20.80	21.5	0.0
20	CPICH	50	96	20.90	20.80	20.80	21.5	0.0
20	CPICH	100	0	20.91	20.80	20.80		
20	HS-DSSS	1	1	20.96	20.90	20.90	21.5	0.0
20	HS-DSSS	1	1	20.97	19.90	20.00	20.0	0.0
20	HS-DSSS	1	1	19.90	19.90	19.90	19.0	0.0
Channel								
Frequency (MHz)								
15	PUSCH	1	1	21.03	20.92	20.90	21.5	0.0
Channel								
Frequency (MHz)								
10	PUSCH	1	1	21.01	20.94	20.90	21.5	0.0
Channel								
Frequency (MHz)								
5	PUSCH	1	1	21.02	20.90	20.90	21.5	0.0

n7_Ant 2								
DB (dB)	Modulation	RB Size	RB Chan	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Through Rate (Mbps)	BER (%)
Channel								
Frequency (MHz)								
20	PUSCH	1	1	17.00	16.90	16.91		
20	PUSCH	1	33	17.00	17.00	16.90	18.3	0.0
20	PUSCH	1	100	16.90	16.90	16.90		
20	PUSCH	50	0	16.90	16.70	16.60	18.3	0.0
20	PUSCH	50	70	16.90	16.80	16.80	18.3	0.0
20	PUSCH	50	96	16.90	16.80	16.70	18.3	0.0
20	PUSCH	100	0	16.90	16.94	16.90		
20	CPICH	1	1	16.94	17.00	16.90	18.3	0.0
20	CPICH	1	33	16.90	17.00	17.00		
20	CPICH	50	0	16.94	16.91	16.90	18.3	0.0
20	CPICH	50	70	16.90	16.80	16.80	18.3	0.0
20	CPICH	50	96	16.90	16.80	16.80	18.3	0.0
20	CPICH	100	0	16.90	17.01	16.90		
20	HS-DSSS	1	1	16.94	16.90	16.94	18.3	0.0
20	HS-DSSS	1	1	16.97	16.90	16.90	18.3	0.0
20	HS-DSSS	1	1	16.91	16.90	16.90	17.0	0.0
Channel								
Frequency (MHz)								
15	PUSCH	1	1	17.00	17.01	16.90	18.3	0.0
Channel								
Frequency (MHz)								
10	PUSCH	1	1	17.00	17.00	16.90	18.3	0.0
Channel								
Frequency (MHz)								
5	PUSCH	1	1	17.00	16.94	16.90	18.3	0.0





n77_FCC-Ant 9								
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				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.11	18.16	18.03	19.3	0.0
100	PI/2 BPSK	1	137	18.02	18.12	17.95		
100	PI/2 BPSK	1	271	18.01	18.14	17.91		
100	PI/2 BPSK	135	0	18.06	18.03	17.88	19.3	0.0
100	PI/2 BPSK	135	69	18.08	18.14	17.92		
100	PI/2 BPSK	135	138	18.06	18.11	17.84		
100	PI/2 BPSK	270	0	18.02	18.11	17.99	19.3	0.0
100	QPSK	1	1	18.01	18.05	17.82	19.3	0.0
100	QPSK	1	137	18.05	18.09	17.83		
100	QPSK	1	271	17.86	18.07	17.86		
100	QPSK	135	0	17.92	18.03	17.81	19.3	0.0
100	QPSK	135	69	17.96	18.01	17.84		
100	QPSK	135	138	17.72	18.06	17.82		
100	QPSK	270	0	17.96	18.01	17.87	19.3	0.0
100	16QAM	1	1	17.82	18.05	17.83	19.3	0.0
100	64QAM	1	1	17.96	18.04	17.84	19.3	0.0
100	256QAM	1	1	17.79	17.82	17.85	19.3	0.0
Channel				649668	650000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	PI/2 BPSK	1	1	17.99	17.97	18.01	19.3	0.0
Channel				649334	650000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	PI/2 BPSK	1	1	17.97	18.01	17.92	19.3	0.0
Channel				648668	650000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	PI/2 BPSK	1	1	17.91	17.95	17.83	19.3	0.0
Channel				648334	650000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	PI/2 BPSK	1	1	18.03	17.99	17.94	19.3	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI/2 BPSK	1	1	17.98	18.01	17.97	19.3	0.0
Channel				647668	650000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	PI/2 BPSK	1	1	17.99	18.09	17.92	19.3	0.0
Channel				647334	650000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	PI/2 BPSK	1	1	18.02	18.05	17.95	19.3	0.0



n41 FCC Ant 0										
RF (MHz)	Modulation	RF Size	RF Offset	Power Line Ch. 1 Power	Power Line Ch. 2 Power	Power Line Ch. 3 Power	Turn-up time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
100	P102 BPSK	1	1	14.00	14.00	14.00				
100	P102 BPSK	1	1	14.00	14.01	14.00	15.0	0.0		
100	P102 BPSK	1	271	14.22	14.22	14.20				
100	P102 BPSK	1	271	14.22	14.23	14.20	15.0	0.0		
100	P102 BPSK	100	0	14.44	14.43	14.20				
100	P102 BPSK	100	0	14.44	14.40	14.20	15.0	0.0		
100	P102 BPSK	100	0	14.44	14.40	14.20				
100	P102 BPSK	270	0	14.40	14.40	14.20	15.0	0.0		
100	QPSK	1	1	14.00	14.00	14.00				
100	QPSK	1	137	14.00	14.01	14.00	15.0	0.0		
100	QPSK	1	271	14.19	14.20	14.20				
100	QPSK	100	0	14.40	14.37	14.20				
100	QPSK	100	0	14.38	14.40	14.20	15.0	0.0		
100	QPSK	100	0	14.38	14.40	14.20				
100	QPSK	270	0	14.40	14.37	14.20	15.0	0.0		
100	SSB FM	1	1	14.47	14.48	14.47	15.0	0.0		
100	SSB FM	1	1	14.32	14.40	14.40	15.0	0.0		
100	ZMODEM	1	1	14.43	14.42	14.40	15.0	0.0		
Channel										
Frequency (MHz)										
90	P102 BPSK	1	1	14.56	14.56	14.50				
90	P102 BPSK	1	1	14.56	14.56	14.50	15.0	0.0		
Channel										
Frequency (MHz)										
80	P102 BPSK	1	1	14.51	14.40	14.44	15.0	0.0		
Channel										
Frequency (MHz)										
50	P102 BPSK	1	1	14.42	14.40	14.40	15.0	0.0		
Channel										
Frequency (MHz)										
40	P102 BPSK	1	1	14.53	14.50	14.40	15.0	0.0		
Channel										
Frequency (MHz)										
30	P102 BPSK	1	1	14.44	14.40	14.42	15.0	0.0		
Channel										
Frequency (MHz)										
20	P102 BPSK	1	1	14.51	14.57	14.47	15.0	0.0		

n41 HPUE FCC Ant 0										
RF (MHz)	Modulation	RF Size	RF Offset	Power Line Ch. 1 Power	Power Line Ch. 2 Power	Power Line Ch. 3 Power	Turn-up time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
100	P102 BPSK	1	1	14.00	14.00	14.00				
100	P102 BPSK	1	137	14.15	14.20	14.20	15.0	0.0		
100	P102 BPSK	1	271	14.72	14.83	14.20				
100	P102 BPSK	100	0	15.02	15.13	14.20				
100	P102 BPSK	100	0	15.00	15.22	14.20	15.0	0.0		
100	P102 BPSK	100	0	14.93	15.49	14.20				
100	P102 BPSK	270	0	15.01	15.12	14.20	15.0	0.0		
100	QPSK	1	1	14.00	14.00	14.00				
100	QPSK	1	137	14.07	14.18	14.20	15.0	0.0		
100	QPSK	1	271	14.68	14.99	14.20				
100	QPSK	100	0	15.06	15.17	14.20				
100	QPSK	100	0	15.03	15.14	14.20	15.0	0.0		
100	QPSK	100	0	14.96	15.53	14.20				
100	QPSK	270	0	14.96	15.07	14.20	15.0	0.0		
100	SSB FM	1	1	14.51	14.42	14.40	15.0	0.0		
100	SSB FM	1	1	15.00	15.11	14.47	15.0	0.0		
100	ZMODEM	1	1	15.08	15.16	14.47	15.0	0.0		
Channel										
Frequency (MHz)										
90	P102 BPSK	1	1	15.11	15.21	15.00	15.0	0.0		
Channel										
Frequency (MHz)										
80	P102 BPSK	1	1	15.10	15.19	15.00	15.0	0.0		
Channel										
Frequency (MHz)										
50	P102 BPSK	1	1	15.11	15.16	15.00	15.0	0.0		
Channel										
Frequency (MHz)										
40	P102 BPSK	1	1	15.22	15.29	15.00	15.0	0.0		
Channel										
Frequency (MHz)										
30	P102 BPSK	1	1	15.06	15.17	15.00	15.0	0.0		
Channel										
Frequency (MHz)										
20	P102 BPSK	1	1	15.10	15.15	15.01	15.0	0.0		

n41 HPUE FCC Ant 2										
RF (MHz)	Modulation	RF Size	RF Offset	Power Line Ch. 1 Power	Power Line Ch. 2 Power	Power Line Ch. 3 Power	Turn-up time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
100	P102 BPSK	1	1	15.16	15.31	15.12				
100	P102 BPSK	1	137	15.31	15.36	15.12	20.3	0.0		
100	P102 BPSK	1	271	15.32	15.34	15.12				
100	P102 BPSK	100	0	15.40	15.40	15.12				
100	P102 BPSK	100	0	15.40	15.11	15.12	20.3	0.0		
100	P102 BPSK	100	0	15.36	15.34	15.12				
100	P102 BPSK	270	0	15.40	15.33	15.12	20.3	0.0		
100	QPSK	1	1	15.00	15.00	15.00				
100	QPSK	1	137	15.10	15.11	15.00	20.3	0.0		
100	QPSK	1	271	15.40	15.41	15.12				
100	QPSK	100	0	15.40	15.11	15.12				
100	QPSK	100	0	15.39	15.24	15.12	20.3	0.0		
100	QPSK	100	0	15.41	15.41	15.12				
100	QPSK	270	0	15.40	15.34	15.12	20.3	0.0		
100	SSB FM	1	1	15.31	15.26	15.00	20.3	0.0		
100	SSB FM	1	1	15.14	15.26	15.07	20.3	0.0		
100	ZMODEM	1	1	15.36	15.30	15.12	20.3	0.0		
Channel										
Frequency (MHz)										
90	P102 BPSK	1	1	15.35	15.22	15.00	20.3	0.0		
Channel										
Frequency (MHz)										
80	P102 BPSK	1	1	15.31	15.30	15.07	20.3	0.0		
Channel										
Frequency (MHz)										
50	P102 BPSK	1	1	15.32	15.15	15.04	20.3	0.0		
Channel										
Frequency (MHz)										
40	P102 BPSK	1	1	15.12	15.16	15.00	20.3	0.0		
Channel										
Frequency (MHz)										
30	P102 BPSK	1	1	15.11	15.21	15.00	20.3	0.0		
Channel										
Frequency (MHz)										
20	P102 BPSK	1	1	15.12	15.16	15.01	20.3	0.0		





Reduced Power for Hotspot on

n66_Ant 0								
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				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	19.76	19.67	19.56		
20	PI/2 BPSK	1	53	19.52	19.47	19.44	20.3	0.0
20	PI/2 BPSK	1	104	19.50	19.46	19.45		
20	PI/2 BPSK	50	0	19.35	19.29	19.28	20.3	0.0
20	PI/2 BPSK	50	28	19.49	19.39	19.35	20.3	0.0
20	PI/2 BPSK	50	56	19.38	19.30	19.28		
20	PI/2 BPSK	100	0	19.47	19.36	19.37	20.3	0.0
20	QPSK	1	1	19.65	19.52	19.51		
20	QPSK	1	53	19.53	19.41	19.43	20.3	0.0
20	QPSK	1	104	19.57	19.43	19.47		
20	QPSK	50	0	19.54	19.40	19.44	20.3	0.0
20	QPSK	50	28	19.51	19.36	19.41	20.3	0.0
20	QPSK	50	56	19.47	19.38	19.43		
20	QPSK	100	0	19.49	19.39	19.40	20.3	0.0
20	16QAM	1	1	19.65	19.63	19.51	20.3	0.0
20	64QAM	1	1	19.48	19.34	19.24	20.3	0.0
20	256QAM	1	1	19.43	19.33	19.22	20.3	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	19.70	19.62	19.50	20.3	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	19.68	19.60	19.49	20.3	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	19.82	19.51	19.44	20.3	0.0



n41 FCC Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel				50202	51898	53593	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	18.10	19.17	18.93	na
100	PI2 BPSK	1	137	18.72	18.52	18.35	19.8
100	PI2 BPSK	1	271	18.66	18.44	18.26	na
100	PI2 BPSK	135	0	18.61	18.66	18.49	na
100	PI2 BPSK	135	69	18.76	19.07	18.48	19.8
100	PI2 BPSK	135	138	18.62	18.49	18.15	0.0
100	PI2 BPSK	270	0	18.62	18.98	18.47	19.8
100	QPSK	1	1	18.43	18.53	18.43	1.5
100	QPSK	1	137	18.65	18.40	18.27	19.8
100	QPSK	1	271	18.41	18.08	17.92	1.5
100	QPSK	135	0	18.41	18.35	18.25	19.8
100	QPSK	135	69	18.42	18.32	18.16	0.0
100	QPSK	135	138	18.44	18.22	18.05	19.8
100	QPSK	270	0	18.45	18.33	18.13	19.8
100	16QAM	1	1	18.57	18.65	18.51	0.0
100	16QAM	1	1	18.29	18.42	18.23	0.0
100	256QAM	1	1	18.35	18.47	18.33	0.0
Channel				50200	51898	53596	
Frequency (MHz)				2541	2592.99	2644.98	
90	PI2 BPSK	1	1	18.80	18.82	18.82	na
Channel				50204	51898	53598	
Frequency (MHz)				2538.02	2592.99	2648.99	
80	PI2 BPSK	1	1	18.77	18.80	18.67	na
Channel				504204	51898	53298	
Frequency (MHz)				2681.69	2592.99	2688.99	
50	PI2 BPSK	1	1	18.74	18.82	18.69	na
Channel				503202	51898	53400	
Frequency (MHz)				2516.01	2592.99	2670	
40	PI2 BPSK	1	1	18.70	18.79	18.63	na
Channel				502200	51898	53496	
Frequency (MHz)				2511	2592.99	2674.98	
30	PI2 BPSK	1	1	18.60	18.77	18.65	na
Channel				50204	51898	53598	
Frequency (MHz)				2506.02	2592.99	2678.99	
20	PI2 BPSK	1	1	18.70	18.78	18.63	na



n41(HPUE) FCC Ant 0								
Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)			
100	PI2 BPSK	1	1	19.44	19.45	19.24		
100	PI2 BPSK	1	1	19.31	19.43	19.12	19.8	0.0
100	PI2 BPSK	1	2/1	19.13	19.09	19.77		
100	PI2 BPSK	135	0	19.06	19.20	18.90		
100	PI2 BPSK	135	69	19.22	19.23	19.11	19.8	0.0
100	PI2 BPSK	135	138	19.05	19.10	18.70		
100	PI2 BPSK	270	0	19.06	19.13	19.01	19.8	0.0
100	QPSK	1	1	18.74	19.06	18.81		
100	QPSK	1	137	18.93	18.95	18.62	19.8	0.0
100	QPSK	1	271	18.54	18.63	18.34		
100	QPSK	135	0	18.75	18.92	18.64		
100	QPSK	135	69	18.78	18.89	18.66	19.8	0.0
100	QPSK	135	138	18.79	18.77	18.43		
100	QPSK	270	0	18.80	18.90	18.58	19.8	0.0
100	16QAM	1	1	18.47	18.81	18.55	19.8	0.0
100	64QAM	1	1	18.74	19.11	18.84	19.8	0.0
100	256QAM	1	1	18.72	19.04	18.75	19.8	0.0
Channel				2562.02	2562.99	2562.99	Tune-up limit (dBm)	MFR (dB)
80	PI2 BPSK	1	1	19.35	19.44	19.23	19.8	0.0
Channel				5022.02	5185.98	5329.98	Tune-up limit (dBm)	MFR (dB)
80	PI2 BPSK	1	1	19.32	19.40	19.21	19.8	0.0
Channel				5042.04	5185.98	5329.98	Tune-up limit (dBm)	MFR (dB)
50	PI2 BPSK	1	1	19.33	19.42	19.25	19.8	0.0
Channel				5020.02	5185.98	5340.00	Tune-up limit (dBm)	MFR (dB)
40	PI2 BPSK	1	1	19.31	19.40	19.20	19.8	0.0
Channel				5022.00	5185.98	5349.96	Tune-up limit (dBm)	MFR (dB)
30	PI2 BPSK	1	1	19.33	19.43	19.22	19.8	0.0
Channel				2566.02	2562.99	2679.99	Tune-up limit (dBm)	MFR (dB)
20	PI2 BPSK	1	1	19.29	19.39	19.20	19.8	0.0





n41 FCC Ant 3 (and HPUE)								
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				509202	518588	528000		
Frequency (MHz)				2546.01	2592.99	2639.98		
100	PI/2 BPSK	1	1	21.08	21.16	20.95	21.8	0.0
100	PI/2 BPSK	1	137	21.04	20.98	20.83		
100	PI/2 BPSK	1	271	21.06	20.78	20.72		
100	PI/2 BPSK	135	0	21.01	20.91	20.77	21.8	0.0
100	PI/2 BPSK	135	69	21.06	21.11	20.78		
100	PI/2 BPSK	135	138	20.81	20.98	20.74		
100	PI/2 BPSK	270	0	20.81	20.89	20.67	21.8	0.0
100	QPSK	1	1	21.11	21.01	20.82	21.8	0.0
100	QPSK	1	137	21.07	20.94	20.80		
100	QPSK	1	271	21.05	20.91	20.74		
100	QPSK	135	0	21.04	20.89	20.72	21.8	0.0
100	QPSK	135	69	21.06	20.84	20.71		
100	QPSK	135	138	21.10	20.93	20.77		
100	QPSK	270	0	21.01	20.95	21.01	21.8	0.0
100	16QAM	1	1	21.03	20.94	20.88	21.8	0.0
100	64QAM	1	1	21.08	20.91	20.61	21.8	0.0
100	256QAM	1	1	19.96	19.83	19.54	20.8	1.0
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	PI/2 BPSK	1	1	21.07	20.90	20.92	21.8	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	21.04	20.91	20.85	21.8	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	20.95	20.96	20.91	21.8	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	PI/2 BPSK	1	1	20.95	21.00	20.76	21.8	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	20.96	20.95	20.75	21.8	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	20.98	21.03	20.90	21.8	0.0



Reduced Power for Sensor On

n2 Ant 3									
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	PI2 BPSK	1	1	21.85	21.71	21.86			
20	PI2 BPSK	1	53	21.75	21.57	21.60	22.8	0.0	
20	PI2 BPSK	1	104	21.76	21.44	21.55			
20	PI2 BPSK	50	0	21.73	21.60	21.66	22.8	0.0	
20	PI2 BPSK	50	28	21.75	21.57	21.58	22.8	0.0	
20	PI2 BPSK	50	56	21.71	21.51	21.60	22.8	0.0	
20	PI2 BPSK	100	0	21.72	21.54	21.56			
20	QPSK	1	1	21.74	21.55	21.74			
20	QPSK	1	53	21.72	21.62	21.71	22.8	0.0	
20	QPSK	1	104	21.77	21.51	21.64			
20	QPSK	50	9	21.75	21.62	21.66	22.8	0.0	
20	QPSK	50	28	21.73	21.58	21.60	22.8	0.0	
20	QPSK	50	56	21.72	21.61	21.59	22.8	0.0	
20	QPSK	100	0	21.75	21.56	21.63			
20	16QAM	1	1	21.51	21.22	21.41	22.8	0.0	
20	64QAM	1	1	21.50	21.31	21.29	22.8	0.0	
20	256QAM	1	1	19.03	18.81	19.30	20.3	2.5	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	21.82	21.70	21.77	22.8	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	21.80	21.68	21.73	22.8	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	21.84	21.72	21.70	22.8	0.0	

n7 Ant 3									
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	PI2 BPSK	1	1	20.90	20.97	20.88			
20	PI2 BPSK	1	53	20.76	20.84	20.72	21.8	0.0	
20	PI2 BPSK	1	104	20.81	20.90	20.73			
20	PI2 BPSK	50	0	20.78	20.81	20.71	21.8	0.0	
20	PI2 BPSK	50	28	20.75	20.86	20.68	21.8	0.0	
20	PI2 BPSK	50	56	20.73	20.81	20.66	21.8	0.0	
20	PI2 BPSK	100	0	20.72	20.82	20.65			
20	QPSK	1	1	20.72	20.77	20.65			
20	QPSK	1	53	20.65	20.78	20.58	21.8	0.0	
20	QPSK	1	104	20.69	20.69	20.62			
20	QPSK	50	9	20.75	20.74	20.68	21.8	0.0	
20	QPSK	50	28	20.72	20.83	20.65	21.8	0.0	
20	QPSK	50	56	20.73	20.77	20.66	21.8	0.0	
20	QPSK	100	0	20.69	20.81	20.62			
20	16QAM	1	1	20.73	20.81	20.72	21.8	0.0	
20	64QAM	1	1	19.35	19.52	19.30	20.8	1.0	
20	256QAM	1	1	19.67	19.63	19.60	20.3	1.5	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	20.81	20.92	20.77	21.8	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	20.82	20.90	20.74	21.8	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	20.80	20.88	20.71	21.8	0.0	

n25 Ant 3									
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	PI2 BPSK	1	1	21.95	22.00	21.88			
20	PI2 BPSK	1	53	21.77	21.92	21.75	22.8	0.0	
20	PI2 BPSK	1	104	21.74	21.69	21.72			
20	PI2 BPSK	50	0	21.83	21.88	21.81	22.8	0.0	
20	PI2 BPSK	50	28	21.79	21.94	21.78	22.8	0.0	
20	PI2 BPSK	50	56	21.80	21.85	21.78	22.8	0.0	
20	PI2 BPSK	100	0	21.75	21.80	21.73			
20	QPSK	1	1	21.76	21.91	21.74			
20	QPSK	1	53	21.71	21.86	21.69	22.8	0.0	
20	QPSK	1	104	21.64	21.79	21.62			
20	QPSK	50	9	21.70	21.85	21.68	22.8	0.0	
20	QPSK	50	28	21.63	21.78	21.61	22.8	0.0	
20	QPSK	50	56	21.69	21.84	21.67	22.8	0.0	
20	QPSK	100	0	21.66	21.81	21.64			
20	16QAM	1	1	21.57	21.72	21.55	22.8	0.0	
20	64QAM	1	1	21.39	21.54	21.37	21.8	1.0	
20	256QAM	1	1	19.42	19.57	19.40	20.3	2.5	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	21.92	21.99	21.85	22.8	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	21.88	21.94	21.79	22.8	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	21.82	21.91	21.77	22.8	0.0	



n41 FCC Ant 3 (HPUE)								
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				509202	518588	528000		
Frequency (MHz)				2546.01	2592.99	2639.98		
100	PI/2 BPSK	1	1	21.08	21.16	20.95	21.8	0.0
100	PI/2 BPSK	1	137	21.13	20.98	20.83		
100	PI/2 BPSK	1	271	21.06	20.78	20.72		
100	PI/2 BPSK	135	0	21.01	20.91	20.77	21.8	0.0
100	PI/2 BPSK	135	69	21.06	21.11	20.78		
100	PI/2 BPSK	135	138	20.81	20.98	20.74		
100	PI/2 BPSK	270	0	20.81	20.89	20.67	21.8	0.0
100	QPSK	1	1	21.11	21.01	20.82	21.8	0.0
100	QPSK	1	137	21.07	20.94	20.80		
100	QPSK	1	271	21.05	20.91	20.74		
100	QPSK	135	0	21.04	20.89	20.72	21.8	0.0
100	QPSK	135	69	21.06	20.84	20.71		
100	QPSK	135	138	21.10	20.93	20.77		
100	QPSK	270	0	21.01	20.95	21.01	21.8	0.0
100	16QAM	1	1	21.03	20.94	20.88	21.8	0.0
100	64QAM	1	1	21.08	20.91	20.61	21.8	0.0
100	256QAM	1	1	19.96	19.83	19.54	20.8	1.0
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	PI/2 BPSK	1	1	21.07	20.90	20.92	21.8	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	21.04	20.91	20.85	21.8	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	20.95	20.96	20.91	21.8	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	PI/2 BPSK	1	1	20.95	21.00	20.76	21.8	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	20.96	20.95	20.75	21.8	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	20.98	21.03	20.90	21.8	0.0

## Full Power

### BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	13.50	12.90	12.70	13.70	13.10	12.80	13.50	13.10	12.80	14.70
	CH 39	2441	14.60	14.20	14.00	14.90	14.40	14.20	14.90	14.50	14.20	16.00
	CH 78	2480	13.00	12.40	12.10	13.30	12.50	12.30	13.40	12.60	12.30	14.10

### BT LE 4.0

Mode	Channel	Frequency (MHz)	Average power (dBm)		tune-up limit
			GFSK		
LE	CH 00	2402	8.00		10.00
	CH 19	2440	9.60		11.60
	CH 39	2480	8.50		10.50

### BT LE 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)		tune-up limit
			1Mbps	2Mbps	
LE	CH 00	2402		8.00	10.00
	CH 19	2440		9.60	11.60
	CH 39	2480		8.50	10.50

### BT Ant+

Mode	Channel	Frequency (MHz)	Average power (dBm)		tune-up limit
			GFSK		
Ant+	CH 02	2402 MHz	-6.00		-4.00
	CH 41	2441 MHz	-4.00		-2.00
	CH 80	2480 MHz	-4.90		-2.90







Reudced Power for Head

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)								Tune-up Limit
			Packet Type								
			DH1	DH3	DH5	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	8.10	8.00	8.00	6.10	6.10	6.20	6.10	6.10	10.00
	CH 39	2441	9.50	9.40	9.40	7.70	7.60	7.70	7.60	7.60	11.40
	CH 78	2480	8.40	8.30	8.30	6.40	6.40	6.50	6.40	6.40	10.30







Reduced Power for Body-worn/Extremity

Grid of 24 tables for Reduced Power Levels 1-6, each with columns for Mode, Channel, Frequency, Power, and Duty Cycle %.

Grid of 24 tables for Reduced Power Levels 1-6, each with columns for Mode, Channel, Frequency, Power, and Duty Cycle %.

Grid of 24 tables for Reduced Power Levels 1-6, each with columns for Mode, Channel, Frequency, Power, and Duty Cycle %.

Grid of 24 tables for Reduced Power Levels 1-6, each with columns for Mode, Channel, Frequency, Power, and Duty Cycle %.

Grid of 24 tables for Reduced Power Levels 1-6, each with columns for Mode, Channel, Frequency, Power, and Duty Cycle %.

Grid of 24 tables for Reduced Power Levels 1-6, each with columns for Mode, Channel, Frequency, Power, and Duty Cycle %.



---

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

The results are shown as follows.













RF exposure position-Ant 2											Impedance				
											Average Value of Time Sweep (W/kg)				
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	0	30	60	90	120
WWAN_Ant 2 Head	CDMA2000 BC1	RC3 SOS5	Reduced Power Level 1	1175	1908.75	N/A	N/A	Right Cheek	0mm	0.966	0.398	0.643	0.769	0.33	0.513
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	1	31	61	91	121
	WCDMA IV	RMC 12.2Kbps	Reduced Power Level 1	1413	1732.6	N/A	N/A	Right Cheek	0mm	0.867	0.207	0.23	0.466	0.216	0.305
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	2	32	62	92	122
	WCDMA II	RMC 12.2Kbps	Reduced Power Level 1	9538	1907.6	N/A	N/A	Right Cheek	0mm	1.05	0.44	0.537	0.549	0.388	0.428
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	3	33	63	93	123
	LTE Band 66	20M-QPSK	Reduced Power Level 1	132572	1770	1	0	Right Cheek	0mm	0.868	0.343	0.324	0.111	0.342	0.384
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	4	34	64	94	124
	LTE Band 25	20M-QPSK	Reduced Power Level 1	26590	1905	1	0	Right Cheek	0mm	0.927	0.47	0.503	0.503	0.431	0.425
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	5	35	65	95	125
	LTE Band 30	10M-QPSK	Reduced Power Level 1	27710	2310	1	25	Right Cheek	0mm	0.746	0.741	0.486	0.729	0.688	0.359
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	6	36	66	96	126
	LTE Band 7	20M-QPSK	Reduced Power Level 1	21350	2560	50	50	Right Cheek	0mm	0.777	0.121	0.404	0.091	0.108	0.371
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	7	37	67	97	127
	LTE Band 41	20M-QPSK	Reduced Power Level 1	39790	2510	1	49	Right Cheek	0mm	0.616	0.133	0.306	0.101	0.118	0.287
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	8	38	68	98	128
	LTE Band 41-HPUE	20M-QPSK	Reduced Power Level 1	39750	2506	1	99	Right Cheek	0mm	0.587	0.086	0.16	0.055	0.078	0.164
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	9	39	69	99	129
	N66_Ant 2	20M-BPSK	Reduced Power Level 1	349000	1745	1	1	Right Cheek	0mm	0.713	0.116	0.49	0.45	0.132	0.497
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	10	40	70	100	130
	N2_Ant 2	20M-BPSK	Reduced Power Level 1	376000	1880	1	1	Right Cheek	0mm	0.992	0.25	0.612	0.652	0.237	0.559
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	11	41	71	101	131
	N25_Ant 2	20M-BPSK	Reduced Power Level 1	376500	1882.5	1	1	Right Cheek	0mm	0.978	0.359	0.668	0.864	0.343	0.608
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	12	42	72	102	132
N7_Ant 2	20M-BPSK	Reduced Power Level 1	512000	2560	50	28	Right Cheek	0mm	0.725	0	0.114	0.123	0	0.09	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	13	43	73	103	133	
N41_Ant 2	100M-BPSK	Reduced Power Level 1	510000	2550	1	1	Right Cheek	0mm	0.837	0.131	0.327	0.473	0.133	0.328	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	14	44	74	104	134	
N41(HPUE)_Ant 2	100M-BPSK	Reduced Power Level 1	510000	2550	1	1	Right Cheek	0mm	0.837	0.122	0.266	0.39	0.125	0.249	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	15	45	75	105	135	
CDMA2000 BC1	RTAP-153.6Kbps	Full power	600	1680	N/A	N/A	Left Side	10mm	0.644	0.454	0.103	0.402	0.436	0.097	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	16	46	76	106	136	
WCDMA IV	RMC 12.2Kbps	Full power	1413	1732.6	N/A	N/A	Left Side	10mm	0.921	0.508	0.286	0.624	0.55	0.314	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	17	47	77	107	137	
WCDMA II	RMC 12.2Kbps	Full power	9262	1852.4	N/A	N/A	Left Side	10mm	0.898	0.677	0.335	0.691	0.672	0.322	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	18	48	78	108	138	
LTE Band 66	20M-QPSK	Full power	132572	1770	1	0	Left Side	10mm	0.877	0.198	0.354	0.584	0.258	0.371	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	19	49	79	109	139	
LTE Band 25	20M-QPSK	Full power	26140	1860	1	0	Left Side	10mm	0.739	0.244	0.325	0.493	0.236	0.311	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	20	50	80	110	140	
LTE Band 30	10M-QPSK	Full power	27710	2310	1	25	Left Side	10mm	0.482	0.458	0.411	0.38	0.28	0.405	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	21	51	81	111	141	
LTE Band 7	20M-QPSK	Full power	21100	2535	1	99	Left Side	10mm	0.540	0.244	0.115	0.174	0.405	0.135	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	22	52	82	112	142	
LTE Band 41	20M-QPSK	Full power	40185	2549.5	1	49	Left Side	10mm	0.315	0.066	0	0.051	0.099	0	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	23	53	83	113	143	
LTE Band 41-HPUE	20M-QPSK	Full power	40185	2549.5	1	99	Left Side	10mm	0.324	0.065	0	0	0.084	0	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	24	54	84	114	0	
N66_Ant 2	20M-BPSK	Full power	349000	1745	50	28	Left Side	10mm	0.612	0.455	0.2	0.271	0.54	0.173	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	25	55	85	115	1	
N2_Ant 2	20M-BPSK	Full power	372000	1860	50	28	Left Side	10mm	0.645	0.632	0.285	0.419	0.569	0.319	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	26	56	86	116	2	
N25_Ant 2	20M-BPSK	Full power	376500	1882.5	1	1	Left Side	10mm	0.653	0.536	0.339	0.434	0.43	0.392	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	27	57	87	117	3	
N7_Ant 2	20M-BPSK	Full power	507000	2535	50	28	Left Side	10mm	0.761	0.088	0.187	0.39	0.349	0.138	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	28	58	88	118	4	
N41_Ant 2	100M-BPSK	Full power	509202	2546.01	1	1	Left Side	10mm	0.447	0.098	0.203	0.054	0.342	0.166	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	29	59	89	119	5	
N41(HPUE)_Ant 2	100M-BPSK	Full power	509202	2546.01	1	1	Left Side	10mm	0.652	0.091	0.215	0.052	0.282	0.185	

RF exposure position-Ant 3											Impedance				
											Average Value of Time Sweep (W/kg)				
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	0	30	60	90	120
WWAN_Ant 3 Head	CDMA2000 BC1	RC3-SO55	Full power	1175	1908.75	N/A	N/A	Right Cheek	0mm	0.342	0	0.099	0.167	0	0.187
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	1	31	61	91	121
	WCDMA IV	RMC 12.2Kbps	Full power	1513	1752.6	N/A	N/A	Right Cheek	0mm	0.278	0.046	0.12	0.172	0.045	0.179
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	2	32	62	92	122
	WCDMA II	RMC 12.2Kbps	Full power	9538	1907.6	N/A	N/A	Right Cheek	0mm	0.329	0.093	0.168	0.213	0.095	0.266
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	3	33	63	93	123
	LTE Band 66	20M-QPSK	Full power	132572	1770	1	0	Left Cheek	0mm	0.261	0.044	0.069	0	0	0.117
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	4	34	64	94	124
	LTE Band 25	20M-QPSK	Full power	26590	1905	1	0	Left Cheek	0mm	0.273	0.071	0.096	0.07	0.071	0.173
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	5	35	65	95	125
	LTE Band 30	10M-QPSK	Full power	27710	2310	1	25	Left Cheek	0mm	0.329	0.206	0.189	0.192	0.168	0.116
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	6	36	66	96	126
	LTE Band 7	20M-QPSK	Full power	20850	2510	1	99	Left Cheek	0mm	0.359	0.145	0.174	0.132	0.095	0.062
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	7	37	67	97	127
	LTE Band 41	20M-QPSK	Full power	39790	2510	1	49	Left Cheek	0mm	0.213	0.074	0.093	0.07	0.05	0
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	8	38	68	98	128
	LTE Band 41-HPUE	20M-QPSK	Full power	39750	2506	1	99	Left Cheek	0mm	0.222	0.066	0.084	0.064	0.055	0
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	9	39	69	99	129
	N6_Ant 3	20M-BPSK	Full power	344000	1720	50	28	Right Cheek	0mm	0.179	0.053	0.096	0.152	0	0.072
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	10	40	70	100	130
N2_Ant 3	20M-BPSK	Full power	376000	1880	50	28	Right Cheek	0mm	0.262	0.061	0.157	0.188	0.064	0.153	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	11	41	71	101	131	
N25_Ant 3	20M-BPSK	Full power	376500	1882.5	1	1	Right Cheek	0mm	0.259	0.081	0.143	0.166	0.076	0.135	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	12	42	72	102	132	
N7_Ant 3	20M-BPSK	Full power	512000	2560	1	1	Right Cheek	0mm	0.251	0.108	0.092	0.097	0.073	0.083	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	13	43	73	103	133	
N41_Ant 3	100M-BPSK	Full power	509202	2546.01	1	1	Left Cheek	0mm	0.321	0.222	0.204	0.219	0.17	0.193	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	14	44	74	104	134	
N41(HPUE)_Ant 3	100M-BPSK	Full power	509202	2546.01	1	1	Left Cheek	0mm	0.355	0.213	0.212	0.219	0.186	0.205	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	15	45	75	105	135	
WWAN_Ant 3 Body	CDMA2000 BC1	RTAP-153.6Kbps	Hotspot on	1175	1908.75	N/A	N/A	Bottom Side	10mm	0.91	0.765	0.389	0.572	0.749	0.277
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	16	46	76	106	136
	WCDMA IV	RMC 12.2Kbps	Hotspot on	1413	1732.6	N/A	N/A	Bottom Side	10mm	0.772	0.628	0.462	0.482	0.616	0.246
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	17	47	77	107	137
	WCDMA II	RMC 12.2Kbps	Hotspot on	9538	1907.6	N/A	N/A	Bottom Side	10mm	0.785	0.715	0.603	0.607	0.705	0.509
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	18	48	78	108	138
	LTE Band 66	20M-QPSK	Hotspot on	132572	1770	1	0	Bottom Side	10mm	0.598	0.07	0.501	0.45	0.124	0.369
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	19	49	79	109	139
	LTE Band 25	20M-QPSK	Hotspot on	26590	1905	50	24	Bottom Side	10mm	0.788	0.135	0.668	0.580	0.3	0.603
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	20	50	80	110	140
	LTE Band 30	10M-QPSK	Hotspot on	27710	2310	25	25	Bottom Side	10mm	0.625	0.369	0.425	0.54	0.523	0.457
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	21	51	81	111	141
	LTE Band 7	20M-QPSK	Hotspot on	20850	2510	50	50	Bottom Side	10mm	0.858	0.31	0.483	0.617	0.553	0.479
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	22	52	82	112	142
	LTE Band 41	20M-QPSK	Hotspot on	41055	2636.5	50	50	Bottom Side	10mm	0.909	0.196	0.275	0.452	0.286	0.282
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	23	53	83	113	143
	LTE Band 41-HPUE	20M-QPSK	Hotspot on	41055	2636.5	1	99	Bottom Side	10mm	0.98	0.135	0.168	0.241	0.181	0.188
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	24	54	84	114	0
	N6_Ant 3	20M-BPSK	Hotspot on	354000	1770	50	28	Bottom Side	10mm	0.761	0.298	0.123	0.585	0.563	0.132
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	25	55	85	115	1
	N2_Ant 3	20M-BPSK	Hotspot on	376000	1880	50	28	Bottom Side	10mm	0.786	0.426	0.245	0.709	0.776	0.22
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	26	56	86	116	2
	N25_Ant 3	20M-BPSK	Hotspot on	381000	1905	50	28	Bottom Side	10mm	0.849	0.526	0.398	0.766	0.848	0.346
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	27	57	87	117	3
	N7_Ant 3	20M-BPSK	Hotspot on	512000	2560	1	1	Bottom Side	10mm	0.739	0.253	0.321	0.407	0.584	0.432
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	28	58	88	118	4
	N41_Ant 3	100M-BPSK	Hotspot on	510000	2550	1	1	Bottom Side	10mm	0.85	0.313	0.375	0.456	0.637	0.474
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	29	59	89	119	5	
N41-HPUE_Ant 3	100M-BPSK	Hotspot on	510000	2550	1	1	Bottom Side	10mm	0.85	0.355	0.409	0.438	0.534	0.466	