

10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10302	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WiMAX	12.57	± 9.6 %
10303	AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10305	AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	15.24	± 9.6 %
10306	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WiMAX	14.49	± 9.6 %
10308	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3)	WiMAX	14.58	± 9.6 %
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3)	WiMAX	14.57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	IDEN 1:3	IDEN	10.51	± 9.6 %
10314	AAA	IDEN 1:6	IDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10317	AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	± 9.6 %
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAB	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	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	± 9.6 %
10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10453	AAD	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10462	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	± 9.6 %

10463	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	±9.6 %
10464	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6 %
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6 %
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6 %
10467	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6 %
10469	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	±9.6 %
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6 %
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6 %
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	±9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	±9.6 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	±9.6 %
10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6 %
10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	±9.6 %
10481	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	±9.6 %
10482	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	±9.6 %
10483	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	±9.6 %
10484	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	±9.6 %
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	±9.6 %
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	±9.6 %
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	±9.6 %
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	±9.6 %
10489	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	±9.6 %
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	±9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6 %
10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	±9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	±9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	±9.6 %
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	±9.6 %
10497	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	±9.6 %
10498	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	±9.6 %
10499	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	±9.6 %
10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	±9.6 %
10501	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	±9.6 %
10502	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	±9.6 %
10503	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	±9.6 %
10504	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	±9.6 %
10505	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	±9.6 %
10506	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6 %
10507	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	±9.6 %
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	±9.6 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	±9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	±9.6 %
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	±9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	±9.6 %
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	±9.6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	±9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	±9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	±9.6 %
10518	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	±9.6 %
10519	AAB	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	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	±9.6 %
10524	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	±9.6 %
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	±9.6 %
10526	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	±9.6 %
10527	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	±9.6 %

10528	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10531	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10533	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	± 9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.35	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.38	± 9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	± 9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	± 9.6 %
10553	AAB	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	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	± 9.6 %

10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97	± 9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	± 9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	± 9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAB	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	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAE	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAE	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAA	IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	9.09	± 9.6 %

10672	AAA	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %
10673	AAA	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAA	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAA	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAA	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAA	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	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685	AAA	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAA	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAA	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	8.86	± 9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706	AAA	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAA	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAA	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAA	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAA	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10713	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
10714	AAA	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
10715	AAA	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10720	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10721	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAA	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %
10729	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAA	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAA	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAA	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAA	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAA	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAA	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %

10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	±9.6 %
10737	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	±9.6 %
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	±9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	±9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	±9.6 %
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	±9.6 %
10742	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	±9.6 %
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	±9.6 %
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	±9.6 %
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	±9.6 %
10746	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	±9.6 %
10747	AAA	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	±9.6 %
10748	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	±9.6 %
10749	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	±9.6 %
10750	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	±9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	±9.6 %
10752	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	±9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	±9.6 %
10754	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	±9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	±9.6 %
10756	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	±9.6 %
10757	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	±9.6 %
10758	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	±9.6 %
10759	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	±9.6 %
10760	AAA	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	±9.6 %
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	±9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	±9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	±9.6 %
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	±9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	±9.6 %
10766	AAA	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	AAB	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	AAB	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	AAB	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6 %
10780	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6 %
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6 %
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6 %
10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6 %
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6 %
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6 %
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6 %
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6 %
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6 %
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6 %
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6 %

10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAC	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAC	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	AAC	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	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAC	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAC	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAC	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10860	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAC	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAC	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAC	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAC	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	6.39	± 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	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAA	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAA	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAA	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAA	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAA	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAA	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAA	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAA	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAA	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAA	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923	AAA	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAA	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAA	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAA	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	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAA	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAA	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAA	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAA	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAA	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAA	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %

10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAA	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %

^F Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



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Client

Sporton

Certificate No: Z20-60181

CALIBRATION CERTIFICATE

Object **ES3DV3 - SN : 3279**

Calibration Procedure(s) **FF-Z11-004-01**
Calibration Procedures for Dosimetric E-field Probes

Calibration date: **June 02, 2020**

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date(Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	101919	18-Jun-19(CTTL, No.J19X05125)	Jun-20
Power sensor NRP-Z91	101547	18-Jun-19(CTTL, No.J19X05125)	Jun-20
Power sensor NRP-Z91	101548	18-Jun-19(CTTL, No.J19X05125)	Jun-20
Reference 10dBAttenuator	18N50W-10dB	10-Feb-20(CTTL, No.J20X00525)	Feb-22
Reference 20dBAttenuator	18N50W-20dB	10-Feb-20(CTTL, No.J20X00526)	Feb-22
Reference Probe EX3DV4	SN 3617	30-Jan-20(SPEAG, No.EX3-3617_Jan20/2)	Jan-21
DAE4	SN 1556	4-Feb-20(SPEAG, No.DAE4-1556_Feb20)	Feb-21

Secondary Standards	ID #	Cal Date(Calibrated by, Certificate No.)	Scheduled Calibration
SignalGenerator MG3700A	6201052605	18-Jun-19(CTTL, No.J19X05127)	Jun-20
Network Analyzer E5071C	MY46110673	10-Feb-20(CTTL, No.J20X00515)	Feb-21

	Name	Function	Signature
Calibrated by:	Yu Zongying	SAR Test Engineer	
Reviewed by:	Lin Hao	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	

Issued: June 04, 2020

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



Glossary:

TSL	tissue simulating liquid
NORM _{x,y,z}	sensitivity in free space
ConvF	sensitivity in TSL / NORM _{x,y,z}
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A,B,C,D	modulation dependent linearization parameters
Polarization Φ	Φ rotation around probe axis
Polarization θ	θ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e. $\theta=0$ is normal to probe axis

Connector Angle information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

- IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- IEC 62209-1, "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- NORM_{x,y,z}**: Assessed for E-field polarization $\theta=0$ ($f \leq 900\text{MHz}$ in TEM-cell; $f > 1800\text{MHz}$: waveguide). NORM_{x,y,z} are only intermediate values, i.e., the uncertainties of NORM_{x,y,z} does not effect the E^2 -field uncertainty inside TSL (see below ConvF).
- NORM(f)_{x,y,z}** = NORM_{x,y,z} * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCP_{x,y,z}**: DCP are numerical linearization parameters assessed based on the data of power sweep (no uncertainty required). DCP does not depend on frequency nor media.
- PAR**: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics.
- A_{x,y,z}; B_{x,y,z}; C_{x,y,z}; VR_{x,y,z}; A,B,C** are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters**: Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \leq 800\text{MHz}$) and inside waveguide using analytical field distributions based on power measurements for $f > 800\text{MHz}$. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty valued are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORM_{x,y,z} * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from $\pm 50\text{MHz}$ to $\pm 100\text{MHz}$.
- Spherical isotropy (3D deviation from isotropy)**: in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset**: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle**: The angle is assessed using the information gained by determining the NORM_x (no uncertainty required).



DASY/EASY – Parameters of Probe: ES3DV3 – SN:3279

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	1.32	1.39	1.31	±10.0%
DCP(mV) ^B	104.2	106.6	106.1	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB· μV	C	D dB	VR mV	Unc ^E (k=2)
0	CW	X	0.0	0.0	1.0	0.00	264.4	±2.2%
		Y	0.0	0.0	1.0		276.5	
		Z	0.0	0.0	1.0		268.2	

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

^A The uncertainties of Norm X, Y, Z do not affect the E^2 -field uncertainty inside TSL (see Page 4).

^B Numerical linearization parameter: uncertainty not required.

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



DASY/EASY – Parameters of Probe: ES3DV3 – SN:3279

Calibration Parameter Determined in Head Tissue Simulating Media

f [MHz] ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unct. (k=2)
750	41.9	0.89	6.44	6.44	6.44	0.40	1.40	±12.1%
835	41.5	0.90	6.25	6.25	6.25	0.43	1.48	±12.1%
1750	40.1	1.37	5.40	5.40	5.40	0.75	1.19	±12.1%
1900	40.0	1.40	5.16	5.16	5.16	0.69	1.25	±12.1%
2000	40.0	1.40	5.13	5.13	5.13	0.63	1.31	±12.1%
2300	39.5	1.67	4.92	4.92	4.92	0.90	1.10	±12.1%
2450	39.2	1.80	4.71	4.71	4.71	0.90	1.16	±12.1%
2600	39.0	1.96	4.54	4.54	4.54	0.90	1.15	±12.1%

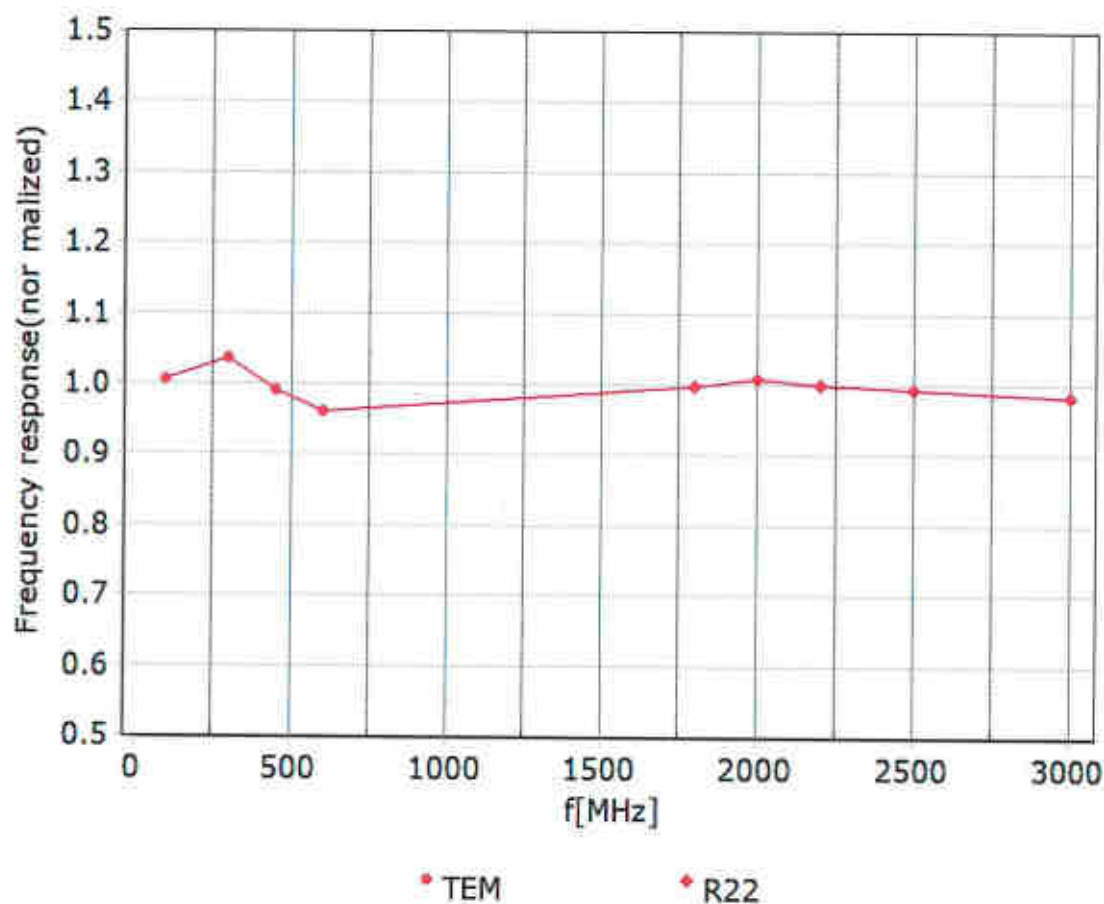
^C Frequency validity above 300 MHz of ±100MHz only applies for DASY v4.4 and higher (Page 2), else it is restricted to ±50MHz. The uncertainty is the RSS of ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to ± 110 MHz.

^F At frequency below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to ±10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to ±5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for the frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.



Frequency Response of E-Field (TEM-Cell: ifi110 EXX, Waveguide: R22)



Uncertainty of Frequency Response of E-field: $\pm 7.4\%$ ($k=2$)

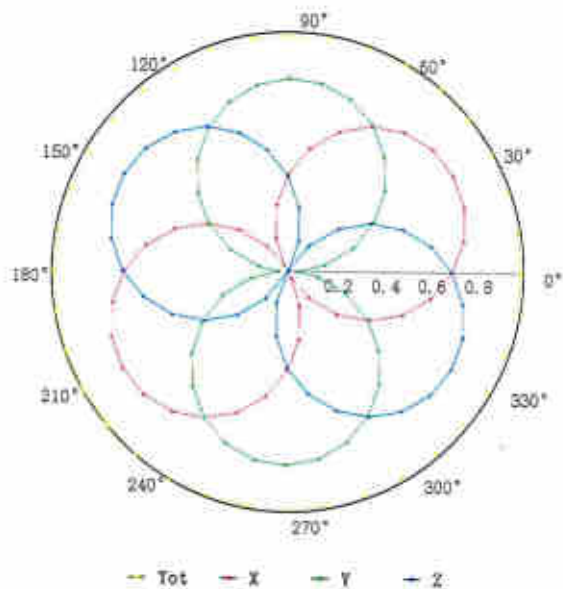


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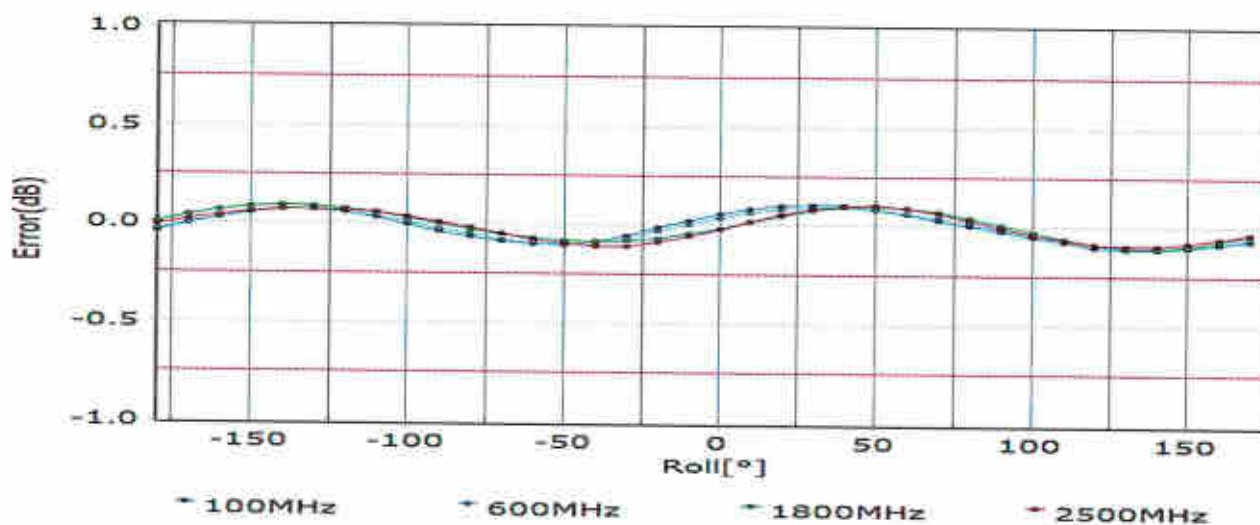
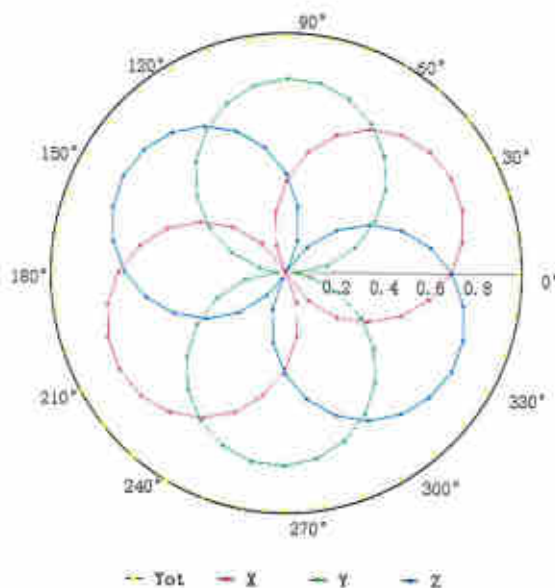
Add: No.51 Xueyuan Road, Haidian District, Beijing, 100191, China
Tel: +86-10-62304633-2512 Fax: +86-10-62304633-2504
E-mail: cttl@chinattl.com [Http://www.chinattl.cn](http://www.chinattl.cn)

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

f=600 MHz, TEM



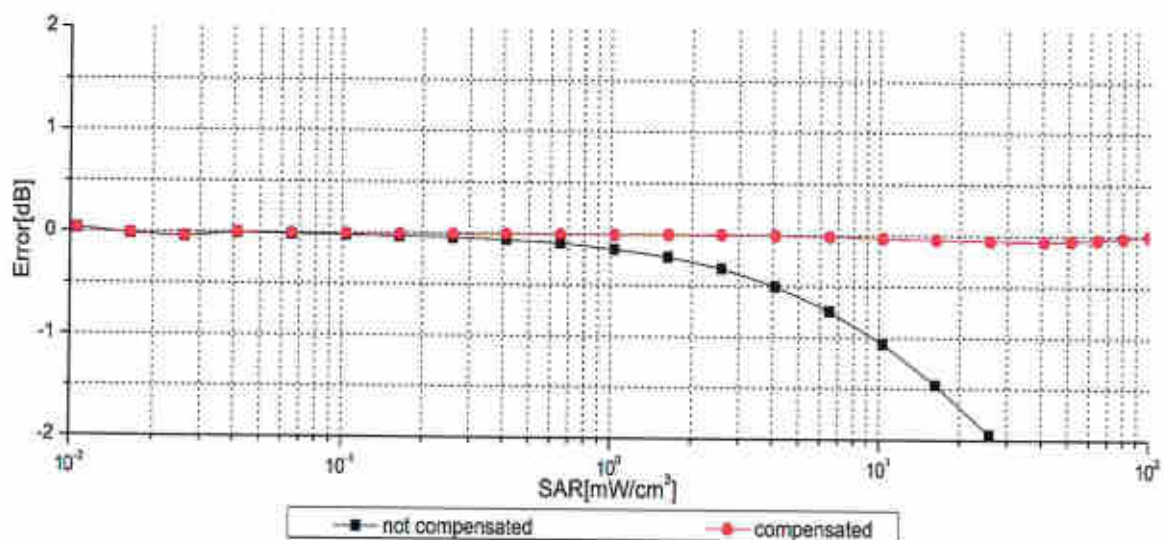
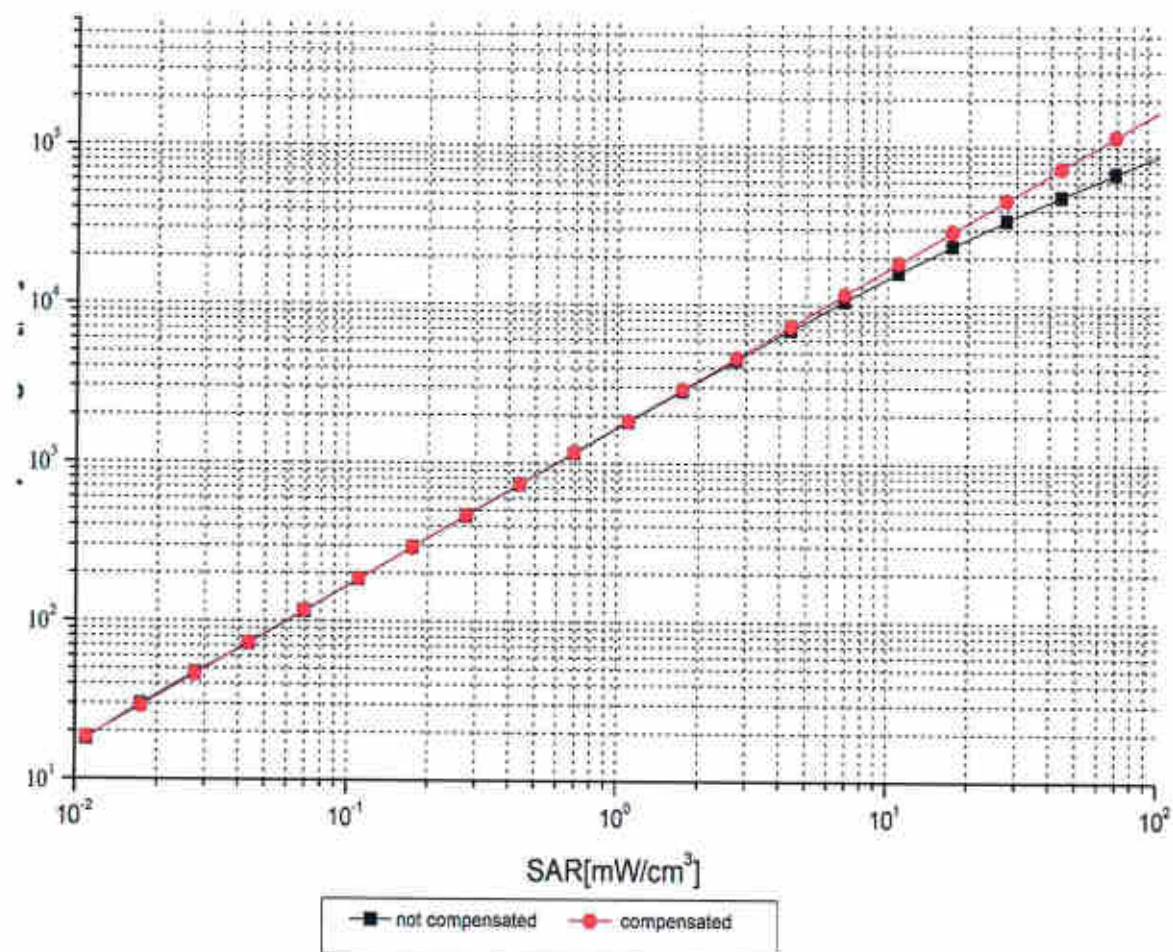
f=1800 MHz, R22



Uncertainty of Axial Isotropy Assessment: $\pm 1.2\%$ ($k=2$)



Dynamic Range f(SAR_{head}) (TEM cell, f = 900 MHz)



Uncertainty of Linearity Assessment: $\pm 0.9\%$ ($k=2$)



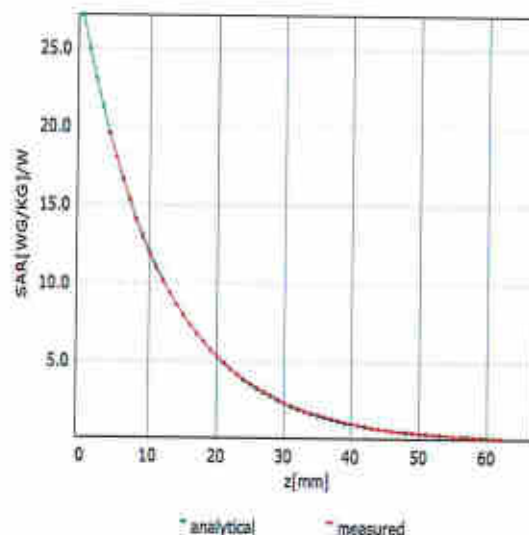
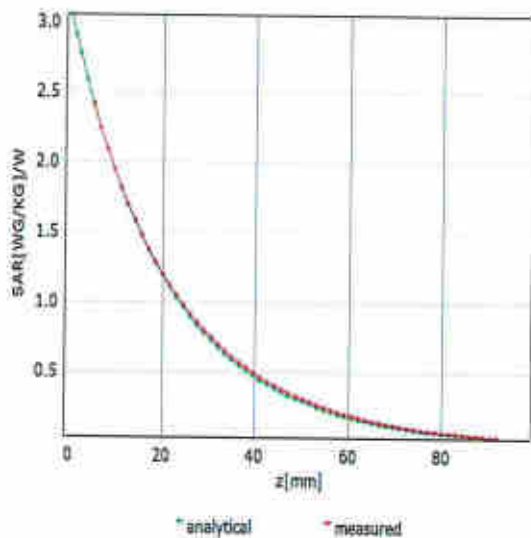
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E-mail: cttl@chinattl.com [Http://www.chinattl.cn](http://www.chinattl.cn)

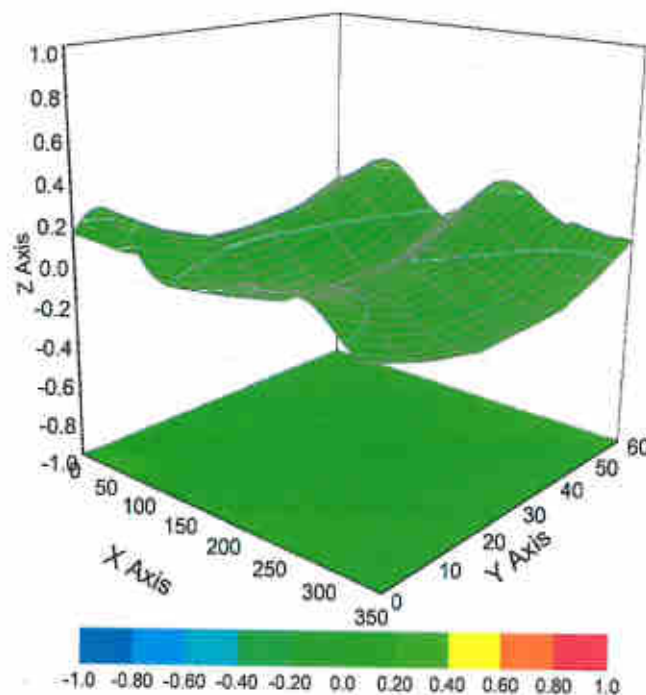
Conversion Factor Assessment

f=750 MHz,WGLS R9(H_convF)

f=1750 MHz,WGLS R22(H_convF)



Deviation from Isotropy in Liquid



Uncertainty of Spherical Isotropy Assessment: $\pm 3.2\%$ ($k=2$)



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DASY/EASY – Parameters of Probe: ES3DV3 – SN:3279

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	170.7
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disable
Probe Overall Length	337mm
Probe Body Diameter	10mm
Tip Length	10mm
Tip Diameter	4mm
Probe Tip to Sensor X Calibration Point	2mm
Probe Tip to Sensor Y Calibration Point	2mm
Probe Tip to Sensor Z Calibration Point	2mm
Recommended Measurement Distance from Surface	3mm



Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.

Full Power Mode for ANT1

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	824.2	836.4	848.6		824.2	836.4	848.6	
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	32.02	31.76	32.17	33.00	23.02	22.76	23.17	24.00
GPRS 1 Tx slot	32.01	31.75	32.16	33.00	23.01	22.75	23.16	24.00
GPRS 2 Tx slots	28.63	28.89	28.83	29.50	22.63	22.89	22.83	23.50
GPRS 3 Tx slots	27.83	27.84	27.35	28.50	23.57	23.58	23.09	24.24
GPRS 4 Tx slots	25.93	25.87	25.88	26.50	22.93	22.87	22.88	23.50
EDGE 1 Tx slot	24.97	24.91	24.81	25.50	19.97	19.91	19.81	18.50
EDGE 2 Tx slots	23.61	23.43	23.43	24.50	17.61	17.43	17.43	18.50
EDGE 3 Tx slots	22.51	22.31	22.31	23.50	16.25	16.05	16.05	18.24
EDGE 4 Tx slots	20.48	20.55	20.42	21.50	17.48	17.55	17.42	18.50

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	1850.2	1870	1892.8		1850.2	1870	1892.8	
Frequency (MHz)	1850.2	1870	1892.8		1850.2	1870	1892.8	
GSM 1 Tx slot	28.23	28.59	28.59	29.50	19.25	19.58	19.59	20.50
GPRS 1 Tx slot	28.24	28.57	28.58	29.50	19.24	19.57	19.58	20.50
GPRS 2 Tx slots	26.11	25.93	26.37	27.50	20.11	19.93	20.37	21.50
GPRS 3 Tx slots	24.78	25.22	25.21	26.00	20.53	20.96	20.95	21.74
GPRS 4 Tx slots	22.91	22.75	23.12	24.00	19.91	19.75	20.12	21.00
EDGE 1 Tx slot	23.48	23.98	23.91	25.00	14.48	14.98	14.91	16.00
EDGE 2 Tx slots	22.13	22.53	22.45	23.50	16.13	16.53	16.45	17.50
EDGE 3 Tx slots	20.91	21.37	21.29	22.50	16.65	17.11	17.03	18.24
EDGE 4 Tx slots	19.17	19.65	19.64	20.50	16.17	16.65	16.64	17.50

Band	WCDMA 8				Tune-up Limit (dBm)	WCDMA 4			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	TX Channel	9262	9300	9338		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1637	1638	1738		4367	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps		22.15	22.13	22.02	24.00	22.11	22.32	22.33	24.00	22.26	22.24	22.21	24.00
3GPP Rel 99 AMR 12.2Kbps		22.14	22.17	22.03	24.00	22.13	22.35	22.34	24.00	22.27	22.28	22.22	24.00
3GPP Rel 6 HSDPA Subtest-1		21.76	21.70	21.70	23.00	21.71	21.72	21.92	23.00	21.68	21.60	21.56	23.00
3GPP Rel 6 HSDPA Subtest-2		21.81	21.71	21.71	23.00	21.71	21.77	21.96	23.00	21.70	21.61	21.60	23.00
3GPP Rel 6 HSDPA Subtest-3		21.30	21.23	21.16	22.50	21.21	21.24	21.44	22.50	21.21	21.13	21.10	22.50
3GPP Rel 6 HSDPA Subtest-4		21.36	21.19	21.16	22.50	21.17	21.20	21.41	22.50	21.23	21.15	21.10	22.50
3GPP Rel 6 DC-HSDPA Subtest-1		21.75	21.68	21.69	23.00	21.70	21.70	21.91	23.00	21.87	21.59	21.55	23.00
3GPP Rel 6 DC-HSDPA Subtest-2		21.79	21.67	21.70	23.00	21.70	21.75	21.95	23.00	21.69	21.60	21.59	23.00
3GPP Rel 6 DC-HSDPA Subtest-3		21.27	21.20	21.14	22.50	21.20	21.22	21.43	22.50	21.20	21.12	21.09	22.50
3GPP Rel 6 DC-HSDPA Subtest-4		21.35	21.20	21.17	22.50	21.16	21.18	21.40	22.50	21.22	21.14	21.09	22.50
3GPP Rel 6 HSUPA Subtest-1		21.83	21.64	21.65	23.00	21.92	21.96	22.06	23.00	21.87	21.58	21.57	23.00
3GPP Rel 6 HSUPA Subtest-2		19.90	19.69	19.66	21.00	19.89	19.92	20.06	21.00	19.88	19.60	19.52	21.00
3GPP Rel 6 HSUPA Subtest-3		20.97	20.68	20.04	22.00	20.99	20.96	21.03	22.00	20.95	20.57	20.55	22.00
3GPP Rel 6 HSUPA Subtest-4		19.86	19.67	19.66	21.00	19.92	20.00	20.10	21.00	19.65	19.55	19.56	21.00
3GPP Rel 6 HSUPA Subtest-5		21.84	21.64	21.64	23.00	21.89	21.89	22.06	23.00	21.70	21.60	21.50	23.00

Band	CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
	TX Channel	1013	384		777	25	600		1175	476	580	
Frequency (MHz)	824.7	836.52	848.31	(dBm)	1851.25	1860	1908.75	(dBm)	817.9	820.5	823.1	(dBm)
RC1 S055	24.12	24.04	23.96	25.00	24.09	23.99	24.05	25.00	23.98	24.23	24.34	25.00
RC1 S055	24.12	24.15	23.94	25.00	24.09	24.14	24.03	25.00	23.96	24.40	24.34	25.00
RC3 S032 (+SCH)	24.09	24.12	23.94	25.00	24.09	23.98	24.02	25.00	24.00	24.23	24.33	25.00
RC3 S032 (+SCH)	24.09	24.11	23.93	25.00	24.08	23.99	24.02	25.00	23.98	24.20	24.36	25.00
RTAP 150.6Kbps	24.11	24.09	23.89	25.00	24.11	24.02	24.05	25.00	24.00	24.23	24.39	25.00
RTAP 400Kbps	24.14	24.11	23.98	25.00	24.13	24.02	24.08	25.00	24.02	24.24	24.38	25.00

Band 2 (1900MHz Band)									
Part 24E									
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel Frequency (MHz)									
1890 1890 1920									
20	QPSK	1	0	22.33	22.38	22.17			
20	QPSK	1	49	22.15	22.08	22.12	24	0	
20	QPSK	1	99	22.34	22.04	22.21			
20	QPSK	50	0	21.34	21.35	21.28			
20	QPSK	50	24	21.32	21.17	21.22	23	1	
20	QPSK	50	50	21.22	21.21	21.22			
20	QPSK	100	0	21.28	21.29	21.22			
20	16QAM	1	0	21.88	21.53	21.51			
20	16QAM	1	49	21.49	21.43	21.44	23	1	
20	16QAM	1	99	21.30	21.37	21.26			
20	16QAM	50	0	20.34	20.24	20.28			
20	16QAM	50	24	20.32	20.18	20.26	22	2	
20	16QAM	50	50	20.22	20.24	20.23			
20	16QAM	100	0	20.32	20.27	20.22			
20	64QAM	1	0	20.33	20.56	20.50			
20	64QAM	1	49	20.23	20.36	20.24	22	2	
20	64QAM	1	99	20.09	20.37	20.17			
20	64QAM	50	0	19.40	19.25	19.29			
20	64QAM	50	24	19.38	19.24	19.27	21	3	
20	64QAM	50	50	19.26	19.27	19.30			
20	64QAM	100	0	19.37	19.31	19.30			
Channel 18675 18900 19125									
Frequency (MHz)									
18675 1880 1902.5									
15	QPSK	1	0	22.21	22.17	22.21			
15	QPSK	1	37	22.16	22.08	22.13	24	0	
15	QPSK	1	74	22.08	22.07	22.01			
15	QPSK	36	0	21.42	21.24	21.29			
15	QPSK	36	20	21.36	21.26	21.22	23	1	
15	QPSK	36	39	21.23	21.25	21.21			
15	QPSK	75	0	21.36	21.30	21.24			
15	16QAM	1	0	21.66	21.43	21.55	23	1	
15	16QAM	1	37	21.40	21.36	21.38			
15	16QAM	1	74	21.30	21.41	21.30			
15	16QAM	36	0	20.46	20.26	20.30			
15	16QAM	36	20	20.37	20.29	20.22	22	2	
15	16QAM	36	39	20.27	20.26	20.28			
15	16QAM	75	0	20.40	20.29	20.23			
15	64QAM	1	0	20.48	20.39	20.48			
15	64QAM	1	37	20.37	20.38	20.35	22	2	
15	64QAM	1	74	20.32	20.40	20.19			
15	64QAM	36	0	19.46	19.27	19.30			
15	64QAM	36	20	19.37	19.31	19.27	21	3	
15	64QAM	36	39	19.28	19.30	19.27			
15	64QAM	75	0	19.41	19.31	19.27			
Channel 18650 18900 19150									
Frequency (MHz)									
18650 1880 1905									
10	QPSK	1	0	22.33	22.34	22.36			
10	QPSK	1	25	22.35	22.32	22.31	24	0	
10	QPSK	1	49	22.31	22.30	22.17			
10	QPSK	25	0	21.58	21.37	21.36			
10	QPSK	25	12	21.24	21.35	21.33	23	1	
10	QPSK	25	25	21.41	21.35	21.31			
10	QPSK	50	0	21.52	21.38	21.34			
10	16QAM	1	0	21.80	21.63	21.67			
10	16QAM	1	25	21.57	21.54	21.51	23	1	
10	16QAM	1	49	21.51	21.58	21.49			
10	16QAM	25	0	20.61	20.40	20.42			
10	16QAM	25	12	20.55	20.35	20.40	22	2	
10	16QAM	25	25	20.45	20.37	20.35			
10	16QAM	50	0	20.52	20.42	20.34			
10	64QAM	1	0	20.83	20.60	20.69			
10	64QAM	1	25	20.57	20.47	20.53	22	2	
10	64QAM	1	49	20.50	20.55	20.50			
10	64QAM	25	0	19.62	19.41	19.45			
10	64QAM	25	12	19.60	19.41	19.44	21	3	
10	64QAM	25	25	19.47	19.37	19.36			
10	64QAM	50	0	19.51	19.45	19.38			
Channel 18625 18900 19175									
Frequency (MHz)									
18625 1880 1907.5									
5	QPSK	1	0	22.23	22.30	22.33			
5	QPSK	1	14	22.23	22.34	22.23	24	0	
5	QPSK	1	24	22.33	22.30	22.18			
5	QPSK	12	0	21.62	21.42	21.43			
5	QPSK	12	7	21.58	21.39	21.36	23	1	
5	QPSK	12	13	21.44	21.35	21.27			
5	QPSK	25	0	21.55	21.38	21.32			
5	16QAM	1	0	21.92	21.63	21.68	23	1	
5	16QAM	1	12	21.73	21.58	21.65			
5	16QAM	1	24	21.66	21.58	21.48			
5	16QAM	12	0	20.67	20.41	20.45			
5	16QAM	12	7	20.57	20.45	20.39	22	2	
5	16QAM	12	13	20.47	20.33	20.27			
5	16QAM	25	0	20.56	20.41	20.36			
5	64QAM	1	0	20.89	20.63	20.64			
5	64QAM	1	12	20.80	20.61	20.50	22	2	
5	64QAM	1	24	20.71	20.60	20.54			
5	64QAM	12	0	19.68	19.41	19.46			
5	64QAM	12	7	19.59	19.45	19.37	21	3	
5	64QAM	12	13	19.48	19.33	19.27			
5	64QAM	25	0	19.62	19.43	19.37			
Channel 18615 18900 19185									
Frequency (MHz)									
18615 1880 1908.5									
3	QPSK	1	0	22.32	22.34	22.10			
3	QPSK	1	8	22.32	22.23	22.29	24	0	
3	QPSK	1	14	22.21	22.22	22.12			
3	QPSK	8	0	21.62	21.37	21.38			
3	QPSK	8	4	21.58	21.44	21.30	23	1	
3	QPSK	8	7	21.51	21.31	21.22			
3	QPSK	15	0	21.56	21.39	21.31			
3	16QAM	1	0	21.87	21.64	21.64			
3	16QAM	1	8	21.81	21.67	21.53	23	1	
3	16QAM	1	14	21.64	21.49	21.40			
3	16QAM	8	0	20.72	20.43	20.47			
3	16QAM	8	4	20.66	20.46	20.37	22	2	
3	16QAM	8	7	20.54	20.37	20.32			
3	16QAM	15	0	20.60	20.45	20.38			
3	64QAM	1	0	20.91	20.58	20.57			
3	64QAM	1	8	20.81	20.60	20.54	22	2	
3	64QAM	1	14	20.63	20.46	20.41			
3	64QAM	8	0	19.72	19.43	19.46			
3	64QAM	8	4	19.67	19.50	19.38	21	3	
3	64QAM	8	7	19.57	19.44	19.32			
3	64QAM	15	0	19.61	19.48	19.37			
Channel 18607 18900 19193									
Frequency (MHz)									
18607 1880 1909.3									
1.4	QPSK	1	0	22.23	22.22	22.19			
1.4	QPSK	1	3	22.23	22.24	22.15	24	0	
1.4	QPSK	1	5	22.35	22.17	22.02			
1.4	QPSK	3	0	22.22	22.23	22.16			
1.4	QPSK	3	1	22.23	22.27	22.16			
1.4	QPSK	3	3	22.37	22.17	22.06			
1.4	QPSK	6	0	21.51	21.31	21.18	23	1	
1.4	16QAM	1	0	21.80	21.61	21.62			
1.4	16QAM	1	3	21.84	21.60	21.51	23	1	
1.4	16QAM	1	5	21.71	21.52	21.41			
1.4	16QAM	3	0	21.52	21.39	21.24			
1.4	16QAM	3	1	21.56	21.39	21.26			
1.4	16QAM	3	3	21.49	21.29	21.18	22	2	
1.4	16QAM	6	0	20.58	20.38	20.27			
1.4	64QAM	1	0	20.79	20.57	20.40			
1.4	64QAM	1	3	20.76	20.55	20.38			
1.4	64QAM	1	5	20.67	20.41	20.29	22	2	
1.4	64QAM	3	0	20.64	20.40	20.33			
1.4	64QAM	3	1	20.67	20.44	20.33			
1.4	64QAM	3	3	20.57	20.37	20.26	21	3	
1.4	64QAM	6	0	19.54	19.37	19.27			

Band 4 (AWS Band)									
Part 27L (only on channel required)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel Frequency (MHz)									
20	QPSK	1	0	1720	1727.5	1745			
20	QPSK	1	49	22.12	22.15	22.17	24	0	
20	QPSK	1	99	22.06	22.12	22.14			
20	QPSK	50	0	21.21	21.40	21.33			
20	QPSK	50	24	21.24	21.28	21.38	23	1	
20	QPSK	50	0	21.30	21.29	21.31			
20	QPSK	100	0	21.26	21.28	21.37			
20	16QAM	1	0	21.57	21.57	21.58			
20	16QAM	1	49	21.39	21.56	21.51	23	1	
20	16QAM	1	99	21.27	21.55	21.58			
20	16QAM	50	0	20.17	20.29	20.25			
20	16QAM	50	24	20.26	20.31	20.33	22	2	
20	16QAM	50	99	20.23	20.34	20.37			
20	16QAM	100	0	20.24	20.28	20.28			
20	84QAM	1	0	20.35	20.55	20.48			
20	84QAM	1	49	20.24	20.45	20.31	22	2	
20	84QAM	1	99	20.21	20.56	20.49			
20	84QAM	50	0	19.24	19.32	19.38			
20	84QAM	50	24	19.29	19.36	19.38	21	3	
20	84QAM	50	99	19.26	19.36	19.35			
20	84QAM	100	0	19.29	19.29	19.35			
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	1717.5	1732.5	1747.5			
15	QPSK	1	37	22.08	22.20	22.22	24	0	
15	QPSK	1	74	22.03	22.20	22.19			
15	QPSK	36	0	21.15	21.28	21.34			
15	QPSK	36	20	21.11	21.28	21.31	23	1	
15	QPSK	36	39	21.20	21.30	21.27			
15	QPSK	75	0	21.21	21.25	21.27			
15	16QAM	1	0	21.48	21.55	21.57			
15	16QAM	1	37	21.33	21.50	21.54	23	1	
15	16QAM	1	74	21.26	21.51	21.51			
15	16QAM	36	0	20.16	20.30	20.31			
15	16QAM	36	20	20.24	20.31	20.34	22	2	
15	16QAM	36	39	20.24	20.30	20.32			
15	16QAM	75	0	20.21	20.28	20.29			
15	84QAM	1	0	20.48	20.45	20.46			
15	84QAM	1	37	20.29	20.38	20.38	22	2	
15	84QAM	1	74	20.22	20.50	20.46			
15	84QAM	36	0	19.18	19.31	19.36			
15	84QAM	36	20	19.23	19.33	19.33	21	3	
15	84QAM	36	39	19.17	19.34	19.36			
15	84QAM	75	0	19.17	19.29	19.32			
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	1715	1732.5	1750			
10	QPSK	1	0	22.30	22.30	22.35			
10	QPSK	1	25	22.27	22.30	22.37	24	0	
10	QPSK	1	49	22.27	22.33	22.40			
10	QPSK	25	0	21.40	21.40	21.44			
10	QPSK	25	12	21.38	21.39	21.47	23	1	
10	QPSK	25	25	21.37	21.41	21.48			
10	QPSK	50	0	21.38	21.34	21.42			
10	16QAM	1	0	21.61	21.64	21.73			
10	16QAM	1	25	21.48	21.64	21.67	23	1	
10	16QAM	1	49	21.56	21.67	21.68			
10	16QAM	25	0	20.42	20.46	20.45			
10	16QAM	25	12	20.42	20.44	20.53	22	2	
10	16QAM	25	25	20.41	20.45	20.50			
10	16QAM	50	0	20.38	20.39	20.46			
10	84QAM	1	0	20.52	20.60	20.68			
10	84QAM	1	25	20.45	20.59	20.63	22	2	
10	84QAM	1	49	20.46	20.57	20.57			
10	84QAM	25	0	19.44	19.44	19.46	21	3	
10	84QAM	25	12	19.46	19.53	19.50			
10	84QAM	25	25	19.28	19.51	19.54			
10	84QAM	50	0	19.43	19.43	19.46			
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.33	22.34	22.23			
5	QPSK	1	18	22.26	22.38	22.21	24	0	
5	QPSK	1	24	22.21	22.35	22.38			
5	QPSK	12	0	21.37	21.37	21.50			
5	QPSK	12	7	21.40	21.30	21.49	23	1	
5	QPSK	12	13	21.33	21.47	21.47			
5	QPSK	25	0	21.40	21.42	21.49			
5	16QAM	1	0	21.62	21.66	21.75	23	1	
5	16QAM	1	12	21.55	21.67	21.67			
5	16QAM	1	24	21.57	21.68	21.66			
5	16QAM	12	0	20.38	20.42	20.50			
5	16QAM	12	7	20.40	20.43	20.52	22	2	
5	16QAM	12	13	20.38	20.45	20.50			
5	16QAM	25	0	20.38	20.44	20.50			
5	84QAM	1	0	20.61	20.68	20.73	22	2	
5	84QAM	1	12	20.59	20.61	20.63			
5	84QAM	1	24	20.60	20.62	20.60			
5	84QAM	12	0	19.45	19.48	19.57	21	3	
5	84QAM	12	7	19.43	19.45	19.56			
5	84QAM	12	13	19.40	19.46	19.55			
5	84QAM	25	0	19.42	19.45	19.52			
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	1711.5	1732.5	1753.5			
3	QPSK	1	8	22.22	22.28	22.36	24	0	
3	QPSK	1	8	22.27	22.39	22.21			
3	QPSK	8	0	21.34	21.39	21.45			
3	QPSK	8	4	21.34	21.48	21.49	23	1	
3	QPSK	8	7	21.31	21.31	21.49			
3	QPSK	15	0	21.34	21.38	21.45			
3	16QAM	1	0	21.55	21.59	21.71			
3	16QAM	1	8	21.62	21.70	21.75	23	1	
3	16QAM	1	14	21.57	21.64	21.67			
3	16QAM	8	0	20.62	20.64	20.65	22	2	
3	16QAM	8	4	20.40	20.51	20.53			
3	16QAM	8	7	20.36	20.46	20.51			
3	16QAM	15	0	20.34	20.42	20.52			
3	84QAM	1	0	20.51	20.53	20.59	22	2	
3	84QAM	1	8	20.59	20.66	20.65			
3	84QAM	1	20	20.51	20.55	20.55	21	3	
3	84QAM	8	0	19.45	19.48	19.54			
3	84QAM	8	4	19.47	19.55	19.59			
3	84QAM	8	7	19.42	19.51	19.55			
3	84QAM	15	0	19.39	19.44	19.56			
Channel Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	3	0	1710.5	1732.5	1754.5			
1.4	QPSK	1	3	22.17	22.20	22.31	24	0	
1.4	QPSK	1	5	22.11	22.19	22.24			
1.4	QPSK	3	0	22.12	22.24	22.26			
1.4	QPSK	3	1	22.17	22.22	22.32			
1.4	QPSK	6	0	22.14	22.24	22.27	23	1	
1.4	16QAM	1	0	21.43	21.43	21.52			
1.4	16QAM	1	3	21.50	21.62	21.65			
1.4	16QAM	1	5	21.43	21.50	21.56	23	1	
1.4	16QAM	3	0	21.25	21.36	21.39			
1.4	16QAM	3	1	21.29	21.41	21.46			
1.4	16QAM	3	5	21.27	21.35	21.41	22	2	
1.4	84QAM	1	0	20.33	20.43	20.49			
1.4	84QAM	1	3	20.32	20.43	20.45			
1.4	84QAM	1	5	20.31	20.45	20.44			
1.4	84QAM	3	0	20.30	20.39	20.42	22	2	
1.4	84QAM	3	1	20.34	20.44	20.46			
1.4	84QAM	3	5	20.25	20.40	20.42			
1.4	84QAM	6	0	19.26	19.37	19.43	21	3	

Band 7 (2600MHz Band)									
Part 27									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20650	21100	21550			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.23	22.45	22.35	24	0	
20	QPSK	1	49	22.21	22.15	22.03			
20	QPSK	1	99	22.18	22.17	22.08			
20	QPSK	50	0	21.27	21.34	21.24			
20	QPSK	50	24	21.32	21.31	21.29	23	1	
20	QPSK	50	50	21.32	21.32	21.24			
20	QPSK	100	0	21.33	21.38	21.29			
20	16QAM	1	0	21.37	21.43	21.38			
20	16QAM	1	49	21.46	21.56	21.38	23	1	
20	16QAM	1	99	21.54	21.54	21.50			
20	16QAM	50	0	20.26	20.28	20.24			
20	16QAM	50	24	20.30	20.30	20.27			
20	16QAM	50	50	20.31	20.30	20.15	22	2	
20	16QAM	100	0	20.35	20.26	20.30			
20	64QAM	1	0	20.19	20.23	20.21			
20	64QAM	1	49	20.29	20.35	20.37			
20	64QAM	1	99	20.35	20.38	20.35	22	2	
20	64QAM	50	0	19.29	19.28	19.29			
20	64QAM	50	24	19.32	19.39	19.29			
20	64QAM	50	50	19.38	19.31	19.21			
20	64QAM	100	0	19.40	19.31	19.29	21	3	
Channel				20625	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.10	22.09	22.34	24	0	
15	QPSK	1	37	22.13	22.16	22.07			
15	QPSK	1	74	22.22	22.18	22.13			
15	QPSK	36	0	21.25	21.27	21.24			
15	QPSK	36	20	21.32	21.37	21.28	23	1	
15	QPSK	36	39	21.32	21.29	21.26			
15	QPSK	75	0	21.30	21.30	21.19			
15	16QAM	1	0	21.35	21.39	21.31			
15	16QAM	1	37	21.41	21.48	21.33	23	1	
15	16QAM	1	74	21.53	21.51	21.46			
15	16QAM	36	0	20.31	20.28	20.23			
15	16QAM	36	20	20.32	20.33	20.30			
15	16QAM	36	39	20.31	20.25	20.24	22	2	
15	16QAM	75	0	20.33	20.30	20.31			
15	64QAM	1	0	20.28	20.57	20.29			
15	64QAM	1	37	20.28	20.44	20.36			
15	64QAM	1	74	20.39	20.36	20.36	22	2	
15	64QAM	36	0	19.32	19.25	19.29			
15	64QAM	36	20	19.38	19.35	19.40			
15	64QAM	36	39	19.34	19.34	19.27			
15	64QAM	75	0	19.37	19.36	19.34	21	3	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.36	22.21	22.33	24	0	
10	QPSK	1	25	22.36	22.23	22.35			
10	QPSK	1	49	22.24	22.39	22.40			
10	QPSK	25	0	21.42	21.50	21.43			
10	QPSK	25	12	21.48	21.50	21.48	23	1	
10	QPSK	25	25	21.43	21.50	21.48			
10	QPSK	50	0	21.41	21.47	21.44			
10	16QAM	1	0	21.64	21.66	21.59			
10	16QAM	1	25	21.54	21.76	21.54	23	1	
10	16QAM	1	49	21.72	21.78	21.76			
10	16QAM	25	0	20.46	20.48	20.42			
10	16QAM	25	12	20.53	20.55	20.54			
10	16QAM	25	25	20.48	20.48	20.50	22	2	
10	16QAM	50	0	20.48	20.49	20.48			
10	64QAM	1	0	20.56	20.58	20.60			
10	64QAM	1	25	20.54	20.64	20.48			
10	64QAM	1	49	20.71	20.68	20.63	22	2	
10	64QAM	25	0	19.51	19.40	19.43			
10	64QAM	25	12	19.51	19.53	19.55			
10	64QAM	25	25	19.51	19.46	19.52			
10	64QAM	50	0	19.45	19.50	19.49	21	3	
Channel				20775 <th>21100</th> <th>21425</th>	21100	21425			
Frequency (MHz)				2502.5 <th>2535</th> <th>2567.5</th>	2535	2567.5			
5	QPSK	1	0	22.41	22.23	22.34	24	0	
5	QPSK	1	12	22.43	22.23	22.42			
5	QPSK	1	24	22.42	22.12	22.44			
5	QPSK	12	0	21.41	21.46	21.41			
5	QPSK	12	7	21.53	21.52	21.47	23	1	
5	QPSK	12	13	21.50	21.53	21.49			
5	QPSK	25	0	21.46	21.48	21.42			
5	16QAM	1	0	21.71	21.78	21.71			
5	16QAM	1	12	21.72	21.75	21.69	23	1	
5	16QAM	1	24	21.76	21.76	21.75			
5	16QAM	12	0	20.40	20.48	20.43			
5	16QAM	12	7	20.51	20.52	20.54			
5	16QAM	12	13	20.52	20.53	20.51	22	2	
5	16QAM	25	0	20.49	20.49	20.44			
5	64QAM	1	0	20.67	20.71	20.70			
5	64QAM	1	12	20.64	20.72	20.65			
5	64QAM	1	24	20.69	20.72	20.70	22	2	
5	64QAM	12	0	19.50	19.52	19.46			
5	64QAM	12	7	19.61	19.60	19.53			
5	64QAM	12	13	19.58	19.62	19.59			
5	64QAM	25	0	19.54	19.53	19.46	21	3	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			

Band 12 (700MHz Low Band)									
Part 27(only on channel required)									
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				23061	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.05	22.95	22.91	24	0	
10	QPSK	1	25	22.96	22.94	22.90			
10	QPSK	1	49	22.93	22.96	22.94			
10	QPSK	25	0	22.01	22.12	21.95			
10	QPSK	25	12	22.10	21.98	21.96	23	1	
10	QPSK	25	25	22.07	22.08	22.07			
10	QPSK	50	0	22.11	22.13	21.99			
10	16QAM	1	0	22.42	22.45	22.38			
10	16QAM	1	25	22.41	22.37	22.26	23	1	
10	16QAM	1	49	22.44	22.38	22.40			
10	16QAM	25	0	21.03	21.04	20.98			
10	16QAM	25	12	21.08	21.02	21.01			
10	16QAM	25	25	21.08	21.09	21.08	22	2	
10	16QAM	50	0	21.10	21.08	20.98			
10	64QAM	1	0	21.31	21.25	21.28			
10	64QAM	1	25	21.29	21.22	21.23			
10	64QAM	1	49	21.23	21.27	21.27	22	2	
10	64QAM	25	0	20.05	20.08	20.01			
10	64QAM	25	12	20.13	19.97	20.06			
10	64QAM	25	25	20.11	20.08	20.03			
10	64QAM	50	0	20.14	20.15	20.01	21	3	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.93	22.88	22.87	24	0	
5	QPSK	1	12	22.96	22.95	22.97			
5	QPSK	1	24	23.02	22.93	22.89			
5	QPSK	12	0	22.02	21.99	21.99			
5	QPSK	12	7	22.13	22.04	22.05	23	1	
5	QPSK	12	13	22.05	22.03	21.99			
5	QPSK	25	0	22.11	22.09	21.95			
5	16QAM	1	0	22.27	22.24	22.21			
5	16QAM	1	12	22.38	22.34	22.32	23	1	
5	16QAM	1	24	22.37	22.35	22.35			
5	16QAM	12	0	21.10	21.08	21.02			
5	16QAM	12	7	21.14	21.14	21.10			
5	16QAM	12	13	21.11	21.04	21.04	22	2	
5	16QAM	25	0	21.08	21.06	20.97			
5	64QAM	1	0	21.18	21.18	21.17			
5	64QAM	1	12	21.23	21.21	21.17			
5	64QAM	1	24	21.31	21.32	21.20	22	2	
5	64QAM	12	0	20.08	20.09	20.02			
5	64QAM	12	7	20.13	20.06	20.06			
5	64QAM	12	13	20.12	20.04	20.03			
5	64QAM	25	0	20.13	20.09	19.98	21	3	
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.03	22.95	22.90	23	1	
3	QPSK	1	8	23.01	22.96	23.02			
3	QPSK	1	14	22.92	22.93	22.88			
3	QPSK	8	0	22.12	22.02	21.94			
3	QPSK	8	4	22.10	22.06	22.02	23	1	
3	QPSK	8	7	22.04	21.98	21.95			
3	QPSK	15	0	22.06	22.05	21.97			
3	16QAM	1	0	22.37	22.32	22.27			
3	16QAM	1	8	22.45	22.38	22.35	23	1	
3	16QAM	1	14	22.35	22.34	22.26			
3	16QAM	8	0	21.14	21.06	21.02			
3	16QAM	8	4	21.13	21.12	21.07			
3	16QAM	8	7	21.08	21.07	21.00	22	2	
3	16QAM	15	0	21.15	21.09	21.01			
3	64QAM	1	0	21.27	21.10	21.02			
3	64QAM	1	8	21.25	21.21	21.20			
3	64QAM	1	14	21.23	21.17	21.11	22	2	
3	64QAM	8	0	20.16	20.07	20.01			
3	64QAM	8	4	20.14	20.12	20.06			
3	64QAM	8	7	20.15	20.10	20.05			
3	64QAM	15	0	20.13	20.09	19.98	21	3	
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.91	22.84	22.84	24	0	
1.4	QPSK	1	3	22.97	22.91	22.86			
1.4	QPSK	1	5	22.90	22.85	22.78			
1.4	QPSK	3	0	22.98	22.83	22.85			
1.4	QPSK	3	1	23.00	23.01	22.86	23	0	
1.4	QPSK	3	1	22.92	22.87	22.80			
1.4	QPSK	6	0	21.97	21.93	21.88			
1.4	16QAM	1	0	22.25	22.14	22.16			
1.4	16QAM	1	3	22.24	22.22	22.16	23	1	
1.4	16QAM	1	5	22.25	22.15	22.06			
1.4	16QAM	3	0	22.08	21.98	21.96			
1.4	16QAM	3	1	22.15	22.09	21.98			
1.4	16QAM	3	3	22.01	22.01	21.89	22	2	
1.4	16QAM	6	0	21.09	21.06	21.00			
1.4	64QAM	1	0	21.05	20.97	20.91			
1.4	64QAM	1	3	21.07	21.01	21.01	22	2	
1.4	64QAM	1	5	20.97	20.94	20.95			
1.4	64QAM	3	0	21.06	20.91	20.95			
1.4	64QAM	3	1	21.04	20.98	20.95			
1.4	64QAM	3	3	20.98	20.93	20.91	21	3	
1.4	64QAM	6	0	20.03	19.99	19.94			

Band 14 (700MHz Band)									
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				23330					
Frequency (MHz)				733					
10	QPSK	1	0		23.09		24	0	
10	QPSK	1	25		22.89				
10	QPSK	1	49		22.81				
10	QPSK	25	0		22.06				
10	QPSK	25	12		22.03		23	1	
10	QPSK	25	25		22.05				
10	QPSK	50	0		22.01				
10	16QAM	1	0		22.26				
10	16QAM	1	25		22.10		23	1	
10	16QAM	1	49		22.02				
10	16QAM	25	0		21.04				
10	16QAM	25	12		21.04				
10	16QAM	25	25		21.05		22	2	
10	16QAM	50	0		21.03				
10	64QAM	1	0		21.19				
10	64QAM	1	25		21.12				
10	64QAM	1	49		20.98		22	2	
10	64QAM	25	0		20.02				
10	64QAM	25	12		20.07				
10	64QAM	25	25		20.10				
10	64QAM	25	25		20.10		21	3	
10	64QAM	50	0		20.08				
Channel				23305	23330	23355			
Frequency (MHz)				790.5	793	795.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.02	22.96	22.99	24	0	
5	QPSK	1	12	22.93	22.97	22.96			
5	QPSK	1	24	22.93	22.90	22.54			
5	QPSK	12	0	22.08	22.03	22.09			
5	QPSK	12	7	22.10	22.04	22.03	23	1	
5	QPSK	12	13	22.03	21.98	21.85			
5	QPSK	25	0	22.07	21.96	21.95			
5	16QAM	1	0	22.34	22.26	22.31			
5	16QAM	1	12	22.28	22.27	22.21	23	1	
5	16QAM	1	24	22.27	22.26	21.99			
5	16QAM	12	0	21.14	21.07	21.06			
5	16QAM	12	7	21.11	21.04	21.06			
5	16QAM	12	13	21.04	20.99	20.93	22	2	
5	16QAM	25	0	21.06	21.01	21.01			
5	64QAM	1	0	21.35	21.24	21.29			
5	64QAM	1	12	21.28	21.21	21.18			
5	64QAM	1	24	21.22	21.28	21.14	22	2	
5	64QAM	12	0	20.20	20.12	20.14			
5	64QAM	12	7	20.13	20.10	20.13			
5	64QAM	12	13	20.06	20.09	20.02			
5	64QAM	25	0	20.11	20.04	20.05	21	3	

Band 17 (700MHz Band)									
Part 27H(only on channel required)									
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				23769	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	22.85	22.97	22.96	24	0	
10	QPSK	1	25	22.88	22.81	22.92			
10	QPSK	1	49	22.89	22.88	22.86			
10	QPSK	25	0	21.96	22.05	21.96			
10	QPSK	25	12	22.02	22.03	22.04	23	1	
10	QPSK	25	25	21.96	21.97	21.97			
10	QPSK	50	0	22.02	22.10	22.00			
10	16QAM	1	0	22.17	22.20	22.19			
10	16QAM	1	25	22.15	22.06	22.14	23	1	
10	16QAM	1	49	22.19	22.12	22.16			
10	16QAM	25	0	21.00	20.94	20.95			
10	16QAM	25	12	21.05	21.02	21.05			
10	16QAM	25	25	20.95	20.97	21.04	22	2	
10	16QAM	50	0	21.01	21.01	21.05			
10	64QAM	1	0	21.22	21.20	21.20			
10	64QAM	1	25	21.10	21.09	21.07			
10	64QAM	1	49	21.11	21.12	21.17	22	2	
10	64QAM	25	0	20.00	19.94	19.96			
10	64QAM	25	12	20.07	20.10	20.11			
10	64QAM	25	25	20.01	19.95	20.01			
10	64QAM	50	0	20.07	20.06	20.03	21	3	
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.96	22.95	22.89	24	0	
5	QPSK	1	12	22.94	22.89	22.86			
5	QPSK	1	24	22.90	22.87	22.85			
5	QPSK	12	0	22.13	22.05	22.02			
5	QPSK	12	7	22.07	22.02	21.95	23	1	
5	QPSK	12	13	21.96	21.93	21.94			
5	QPSK	25	0	22.07	21.99	21.95			
5	16QAM	1	0	22.26	22.24	22.22			
5	16QAM	1	12	22.18	22.14	22.14	23	1	
5	16QAM	1	24	22.19	22.16	22.11			
5	16QAM	12	0	21.16	21.04	21.03			
5	16QAM	12	7	21.06	21.04	20.98			
5	16QAM	12	13	20.99	20.99	20.95	22	2	
5	16QAM	25	0	21.05	21.00	20.96			
5	64QAM	1	0	21.24	21.10	21.20			
5	64QAM	1	12	21.08	21.08	21.10			
5	64QAM	1	24	21.18	21.11	21.12	22	2	
5	64QAM	12	0	20.19	20.06	20.03			
5	64QAM	12	7	20.10	20.01	20.00			
5	64QAM	12	13	19.99	19.96	19.97			
5	64QAM	25	0	20.08	20.02	20.01	21	3	

Band 25 (1900MHz Band)									
Part 24E									
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)				26140	26340	26590			
20	QPSK	1	0	22.27	22.39	22.32	24	0	
20	QPSK	1	49	22.10	22.03	22.08			
20	QPSK	1	99	22.04	22.23	22.22			
20	QPSK	50	0	21.32	21.33	21.21			
20	QPSK	50	24	21.28	21.22	21.23	23	1	
20	QPSK	50	50	21.21	21.08	21.16			
20	QPSK	100	0	21.27	21.30	21.23			
20	16QAM	1	0	21.49	21.36	21.34			
20	16QAM	1	49	21.31	21.26	21.30	23	1	
20	16QAM	1	99	21.17	21.20	21.23			
20	16QAM	50	0	20.35	20.24	20.22			
20	16QAM	50	24	20.28	20.25	20.27			
20	16QAM	50	50	20.24	20.19	20.22	22	2	
20	16QAM	100	0	20.29	20.18	20.17			
20	64QAM	1	0	20.46	20.30	20.30			
20	64QAM	1	49	20.29	20.28	20.29			
20	64QAM	1	99	20.11	20.21	20.23	22	2	
20	64QAM	50	0	19.38	19.30	19.24			
20	64QAM	50	24	19.30	19.26	19.30			
20	64QAM	50	50	19.23	19.19	19.23			
20	64QAM	100	0	19.29	19.23	19.31	21	3	
Channel				26115	26340	26615			
Frequency (MHz)				1857.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.24	22.14	22.13	24	0	
15	QPSK	1	37	22.04	22.03	22.01			
15	QPSK	1	74	22.00	22.10	22.23			
15	QPSK	36	0	21.32	21.23	21.18			
15	QPSK	36	20	21.27	21.20	21.37	23	1	
15	QPSK	36	39	21.22	21.22	21.28			
15	QPSK	75	0	21.29	21.21	21.20			
15	16QAM	1	0	21.49	21.27	21.35			
15	16QAM	1	37	21.22	21.13	21.17	23	1	
15	16QAM	1	74	21.21	21.18	21.17			
15	16QAM	36	0	20.29	20.20	20.15			
15	16QAM	36	20	20.26	20.23	20.26			
15	16QAM	36	39	20.21	20.19	20.24	22	2	
15	16QAM	75	0	20.28	20.21	20.19			
15	16QAM	1	0	20.44	20.28	20.29			
15	16QAM	1	37	20.24	20.20	20.30			
15	64QAM	1	74	20.20	20.17	20.21	22	2	
15	64QAM	36	0	19.33	19.24	19.19			
15	64QAM	36	20	19.33	19.25	19.33			
15	64QAM	36	39	19.25	19.23	19.23			
15	64QAM	75	0	19.32	19.26	19.23	21	3	
Channel				26590	26610	26680			
Frequency (MHz)				1855 <th>1880</th> <th>1910</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	1880	1910	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.10	22.35	22.23	24	0	
10	QPSK	1	25	22.10	22.27	22.28			
10	QPSK	1	49	22.28	22.24	22.13			
10	QPSK	25	0	21.48	21.44	21.37			
10	QPSK	25	12	21.51	21.41	21.35	23	1	
10	QPSK	25	25	21.39	21.36	21.40			
10	QPSK	50	0	21.11	21.13	21.30			
10	16QAM	1	0	21.65	21.59	21.58			
10	16QAM	1	25	21.54	21.45	21.53	23	1	
10	16QAM	1	49	21.52	21.45	21.56			
10	16QAM	25	0	20.51	20.44	20.42			
10	16QAM	25	12	20.53	20.44	20.45			
10	16QAM	25	25	20.47	20.37	20.40	22	2	
10	16QAM	50	0	20.45	20.38	20.45			
10	64QAM	1	0	20.68	20.45	20.62			
10	64QAM	1	25	20.54	20.51	20.51			
10	64QAM	1	49	20.56	20.48	20.59	22	2	
10	64QAM	25	0	19.49	19.41	19.33			
10	64QAM	25	12	19.49	19.45	19.41			
10	64QAM	25	25	19.43	19.33	19.44			
10	64QAM	50	0	19.48	19.38	19.45	21	3	
Channel				26665	26680	26665			
Frequency (MHz)				1852.5	1880	1912.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.21	22.31	22.34	24	0	
5	QPSK	1	12	22.31	22.31	22.31			
5	QPSK	1	25	22.35	22.30	22.31			
5	QPSK	12	0	21.44	21.37	21.40			
5	QPSK	12	7	21.46	21.38	21.35	23	1	
5	QPSK	12	13	21.42	21.33	21.36			
5	QPSK	25	0	21.44	21.34	21.36			
5	16QAM	1	0	21.76	21.68	21.66			
5	16QAM	1	12	21.65	21.51	21.63	23	1	
5	16QAM	1	24	21.74	21.63	21.68			
5	16QAM	12	0	20.52	20.39	20.40			
5	16QAM	12	7	20.44	20.32	20.40			
5	16QAM	12	13	20.41	20.35	20.39	22	2	
5	16QAM	25	0	20.41	20.37	20.39			
5	64QAM	1	0	20.82	20.65	20.85			
5	64QAM	1	12	20.65	20.54	20.57			
5	64QAM	1	24	20.73	20.59	20.66	22	2	
5	64QAM	12	0	19.50	19.41	19.39			
5	64QAM	12	7	19.46	19.34	19.40			
5	64QAM	12	13	19.46	19.39	19.41			
5	64QAM	25	0	19.45	19.45	19.45	21	3	
Channel				26525	26540	26575			
Frequency (MHz)				1851.5 <th>1880</th> <th>1913.5</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	1880	1913.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	22.21	22.29	22.38	24	0	
3	QPSK	1	8	22.23	22.29	22.38			
3	QPSK	1	14	22.37	22.26	22.32			
3	QPSK	8	0	21.42	21.37	21.36			
3	QPSK	8	4	21.51	21.41	21.39	23	1	
3	QPSK	8	7	21.45	21.33	21.34			
3	QPSK	15	0	21.43	21.36	21.38			
3	16QAM	1	0	21.77	21.69	21.69			
3	16QAM	1	8	21.75	21.64	21.74	23	1	
3	16QAM	1	14	21.70	21.61	21.68			
3	16QAM	8	0	20.51	20.41	20.44			
3	16QAM	8	4	20.54	20.41	20.44			
3	16QAM	8	7	20.51	20.40	20.37	22	2	
3	16QAM	15	0	20.46	20.31	20.35			
3	64QAM	1	0	20.78	20.67	20.74			
3	64QAM	1	8	20.83	20.70	20.80			
3	64QAM	1	14	20.77	20.66	20.79	22	2	
3	64QAM	8	0	19.45	19.38	19.42			
3	64QAM	8	4	19.52	19.37	19.42			
3	64QAM	8	7	19.48	19.42	19.37			
3	64QAM	15	0	19.48	19.36	19.40	21	3	
Channel				25947	26340	26683			
Frequency (MHz)				1850.7	1880	1914.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.24	22.21	22.24	24	0	
1.4	QPSK	1	3	22.33	22.26	22.31			
1.4	QPSK	1	5	22.24	22.16	22.23			
1.4	QPSK	3	0	22.32	22.19	22.27			
1.4	QPSK	3	3	22.30	22.17	22.28	23	1	
1.4	QPSK	6	0	21.39	21.25	21.32			
1.4	16QAM	1	0	21.71	21.55	21.61			
1.4	16QAM	1	3	21.74	21.69	21.70			
1.4	16QAM	1	5	21.69	21.60	21.63	23	1	
1.4	16QAM	3	0	21.33	21.22	21.29			
1.4	16QAM	3	1	21.35	21.26	21.29			
1.4	16QAM	3	3	21.29	21.21	21.24			
1.4	16QAM	6	0	20.47	20.36	20.36	22	2	
1.4	64QAM	1	0	20.77	20.57	20.67			
1.4	64QAM	1	3	20.75	20.66	20.69			
1.4	64QAM	1	5	20.67	20.45	20.60			
1.4	64QAM	3	0	20.54	20.45	20.45	22	2	
1.4	64QAM	3	1	20.59	20.47	20.52			
1.4	64QAM	3	3	20.56	20.45	20.48			
1.4	64QAM	6	0	19.46	19.31	19.35			
1.4	64QAM	6	0	19.46	19.31	19.35	21	3	

Band 26 for FCC (only on channel required)									
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				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.75	22.94	22.91	23	0	
15	QPSK	1	37	22.68	22.52	22.48			
15	QPSK	1	74	22.59	22.52	22.44			
15	QPSK	36	0	21.82	21.87	21.73			
15	QPSK	36	20	21.86	21.78	21.65	23	1	
15	QPSK	36	39	21.84	21.76	21.68			
15	QPSK	75	0	21.88	21.89	21.67			
15	16QAM	1	0	22.10	22.09	21.93			
15	16QAM	1	37	22.00	21.96	21.91	23	1	
15	16QAM	1	74	21.93	21.88	21.85			
15	16QAM	36	0	20.78	20.70	20.67			
15	16QAM	36	20	20.86	20.75	20.69			
15	16QAM	36	39	20.86	20.73	20.72	22	2	
15	16QAM	75	0	20.95	20.80	20.69			
15	64QAM	1	0	20.93	20.88	20.80			
15	64QAM	1	37	20.85	20.69	20.64			
15	64QAM	1	74	20.65	20.66	20.64	22	2	
15	64QAM	36	0	19.83	19.78	19.72			
15	64QAM	36	20	19.88	19.83	19.68			
15	64QAM	36	39	19.90	19.79	19.74			
15	64QAM	75	0	19.92	19.83	19.70	21	3	
Channel				26765	26865	26965			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	22.89	22.81	22.70	24	0	
10	QPSK	1	25	22.67	22.70	22.59			
10	QPSK	1	49	22.75	22.73	22.72			
10	QPSK	25	0	22.00	21.84	21.77			
10	QPSK	25	12	22.01	21.91	21.74	23	1	
10	QPSK	25	25	21.98	21.88	21.80			
10	QPSK	50	0	22.02	21.90	21.77			
10	16QAM	1	0	22.31	22.11	22.07			
10	16QAM	1	25	22.19	22.09	21.92	23	1	
10	16QAM	1	49	22.14	22.04	21.97			
10	16QAM	25	0	21.05	20.87	20.80			
10	16QAM	25	12	21.01	20.91	20.81			
10	16QAM	25	25	20.99	20.87	20.82	22	2	
10	16QAM	50	0	21.01	20.94	20.80			
10	64QAM	1	0	21.19	21.10	21.00			
10	64QAM	1	25	21.09	21.08	20.94			
10	64QAM	1	49	21.11	20.96	20.85	22	2	
10	64QAM	25	0	20.08	19.87	19.81			
10	64QAM	25	12	20.03	19.97	19.81			
10	64QAM	25	25	20.06	19.94	19.84			
10	64QAM	50	0	20.03	19.90	19.75	Tune-up limit (dBm)	MPR (dB)	
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	22.91	22.74	22.71	24	0	
5	QPSK	1	12	22.91	22.73	22.67			
5	QPSK	1	24	22.88	22.72	22.62			
5	QPSK	12	0	22.01	21.83	21.78			
5	QPSK	12	7	22.02	21.86	21.74	23	1	
5	QPSK	12	13	21.99	21.83	21.72			
5	QPSK	25	0	21.99	21.87	21.73			
5	16QAM	1	0	22.29	22.10	22.05			
5	16QAM	1	12	22.22	22.12	22.03	23	1	
5	16QAM	1	24	22.24	22.12	21.93			
5	16QAM	12	0	21.04	20.87	20.78			
5	16QAM	12	7	21.03	20.92	20.79			
5	16QAM	12	13	21.01	20.89	20.76	22	2	
5	16QAM	25	0	20.97	20.87	20.79			
5	64QAM	1	0	21.27	21.02	20.98			
5	64QAM	1	12	21.15	21.04	20.88			
5	64QAM	1	24	21.06	21.00	20.87	22	2	
5	64QAM	12	0	20.03	19.83	19.78			
5	64QAM	12	7	20.02	19.93	19.75			
5	64QAM	12	13	20.01	19.85	19.76			
5	64QAM	25	0	20.06	19.90	19.84	Tune-up limit (dBm)	MPR (dB)	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	22.65	22.82	22.77	24	0	
3	QPSK	1	8	22.67	22.93	22.79			
3	QPSK	1	14	22.66	22.83	22.79			
3	QPSK	8	0	22.02	21.82	21.72			
3	QPSK	8	4	22.09	21.89	21.80	23	1	
3	QPSK	8	7	22.12	21.86	21.80			
3	QPSK	15	0	21.97	21.88	21.77			
3	16QAM	1	0	22.13	21.88	21.85			
3	16QAM	1	8	22.19	22.06	21.98	23	1	
3	16QAM	1	14	22.16	21.98	21.82			
3	16QAM	8	0	21.11	20.99	20.87			
3	16QAM	8	4	21.18	21.03	20.96			
3	16QAM	8	7	21.10	21.03	20.83	22	2	
3	16QAM	15	0	21.16	20.93	20.86			
3	64QAM	1	0	21.49	21.18	21.16			
3	64QAM	1	8	21.33	21.07	21.00			
3	64QAM	1	14	21.21	21.08	21.03	22	2	
3	64QAM	8	0	20.22	20.07	20.05			
3	64QAM	8	4	20.28	20.10	20.03			
3	64QAM	8	7	20.32	20.03	19.90			
3	64QAM	15	0	20.25	19.90	19.84	Tune-up limit (dBm)	MPR (dB)	
Channel				26997	26965	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	22.20	22.16	22.18	24	0	
1.4	QPSK	1	3	22.28	22.20	22.28			
1.4	QPSK	1	5	22.20	22.11	22.17			
1.4	QPSK	3	0	22.27	22.15	22.22			
1.4	QPSK	3	1	22.30	22.17	22.22	23	1	
1.4	QPSK	3	3	22.25	22.13	22.24			
1.4	QPSK	6	0	21.35	21.20	21.27			
1.4	16QAM	1	0	21.67	21.51	21.57			
1.4	16QAM	1	3	21.69	21.64	21.65	23	1	
1.4	16QAM	1	5	21.65	21.55	21.59			
1.4	16QAM	3	0	21.28	21.18	21.24			
1.4	16QAM	3	1	21.30	21.21	21.23			
1.4	16QAM	3	3	21.25	21.16	21.20	22	2	
1.4	16QAM	6	0	20.39	20.30	20.31			
1.4	64QAM	1	0	20.72	20.52	20.63			
1.4	64QAM	1	3	20.71	20.62	20.64			
1.4	64QAM	1	5	20.62	20.50	20.54	22	2	
1.4	64QAM	3	0	20.49	20.41	20.40			
1.4	64QAM	3	1	20.55	20.42	20.46			
1.4	64QAM	3	3	20.51	20.39	20.45			
1.4	64QAM	6	0	19.42	19.26	19.29	21	3	

Band 30									
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				27710					
Frequency (MHz)				2310					
10	QPSK	1	0		21.65		23	0	
10	QPSK	1	25		21.65				
10	QPSK	1	49		21.59				
10	QPSK	25	0		21.43				
10	QPSK	25	12		21.42		22	1	
10	QPSK	25	25		21.35				
10	QPSK	50	0		21.38				
10	16QAM	1	0		21.69				
10	16QAM	1	25		21.52		22	1	
10	16QAM	1	49		21.66				
10	16QAM	25	0		20.35		21	2	
10	16QAM	25	12		20.43				
10	16QAM	25	25		20.41				
10	16QAM	50	0		20.40				
10	64QAM	1	0		20.60		21	2	
10	64QAM	1	25		20.62				
10	64QAM	1	49		20.59				
10	64QAM	25	0		19.39				
10	64QAM	25	12		19.43		20	3	
10	64QAM	25	25		19.41				
10	64QAM	50	0		19.43				
Channel				27685	27710	27735			
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0		21.57	21.56	23	0	
5	QPSK	1	12		21.63	21.63			
5	QPSK	1	24		21.62	21.60			
5	QPSK	12	0		21.38	21.32			
5	QPSK	12	7		21.47	21.44	22	1	
5	QPSK	12	13		21.40	21.37			
5	QPSK	25	0		21.41	21.36			
5	QPSK	25	0		21.68	21.63			
5	16QAM	1	0		21.68	21.63	22	1	
5	16QAM	1	12		21.58	21.55			
5	16QAM	1	24		21.55	21.65			
5	16QAM	12	0		20.45	20.36			
5	16QAM	12	7		20.47	20.45	21	2	
5	16QAM	12	13		20.39	20.37			
5	16QAM	25	0		20.42	20.41			
5	64QAM	1	0		20.65	20.64			
5	64QAM	1	12		20.67	20.63	21	2	
5	64QAM	1	24		20.66	20.59			
5	64QAM	12	0		19.44	19.37			
5	64QAM	12	7		19.45	19.44			
5	64QAM	12	13		19.41	19.37	20	3	
5	64QAM	25	0		19.45	19.43			

Band 66									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.45	22.57	22.45	24	0	
20	QPSK	1	49	22.26	22.34	22.32			
20	QPSK	1	99	22.18	22.34	22.44			
20	QPSK	50	0	21.82	21.86	21.85			
20	QPSK	50	24	21.75	21.75	21.82	23	1	
20	QPSK	50	50	21.77	21.68	21.82			
20	QPSK	100	0	21.72	21.83	21.81			
20	16QAM	1	0	22.15	22.06	22.24			
20	16QAM	1	49	22.12	21.98	22.21	23	1	
20	16QAM	1	99	22.05	21.85	22.11			
20	16QAM	50	0	20.71	20.65	20.81			
20	16QAM	50	24	20.78	20.72	20.80			
20	16QAM	50	50	20.79	20.64	20.81	22	2	
20	16QAM	100	0	20.75	20.74	20.80			
20	64QAM	1	0	21.01	20.86	20.82			
20	64QAM	1	49	20.98	20.77	21.02			
20	64QAM	1	99	20.95	20.73	20.95	22	2	
20	64QAM	50	0	19.81	19.70	19.89			
20	64QAM	50	24	19.78	19.74	19.84			
20	64QAM	50	50	19.82	19.66	19.86			
20	64QAM	100	0	19.81	19.75	19.83	21	3	
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.13	22.23	22.39	24	0	
15	QPSK	1	37	22.16	22.27	22.32			
15	QPSK	1	74	22.01	22.21	22.19			
15	QPSK	36	0	21.61	21.80	21.83			
15	QPSK	36	20	21.73	21.80	21.90	23	1	
15	QPSK	36	39	21.69	21.81	21.86			
15	QPSK	75	0	21.67	21.75	21.76			
15	16QAM	1	0	21.92	22.15	22.20			
15	16QAM	1	37	21.91	22.09	22.16	23	1	
15	16QAM	1	74	21.80	22.06	22.12			
15	16QAM	36	0	20.70	20.81	20.82			
15	16QAM	36	20	20.75	20.82	20.91			
15	16QAM	36	39	20.65	20.85	20.85	22	2	
15	16QAM	75	0	20.71	20.77	20.82			
15	64QAM	1	0	20.80	21.12	21.09			
15	64QAM	1	37	20.74	20.83	21.05			
15	64QAM	1	74	20.67	20.90	21.00	21	3	
15	64QAM	36	0	19.66	19.85	19.84			
15	64QAM	36	20	19.75	19.83	19.96			
15	64QAM	36	39	19.69	19.87	19.87			
15	64QAM	75	0	19.72	19.82	19.88	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.17	22.33	22.50	24	0	
10	QPSK	1	25	22.30	22.46	22.56			
10	QPSK	1	49	22.14	22.35	22.32			
10	QPSK	25	0	21.86	21.92	21.98			
10	QPSK	25	12	21.84	21.93	22.00	23	1	
10	QPSK	25	25	21.84	22.00	21.99			
10	QPSK	50	0	21.80	21.94	21.94			
10	16QAM	1	0	22.00	22.16	22.24			
10	16QAM	1	25	21.93	22.13	22.10	23	1	
10	16QAM	1	49	21.94	22.13	22.20			
10	16QAM	25	0	20.86	20.96	21.02			
10	16QAM	25	12	20.90	20.98	21.00			
10	16QAM	25	25	20.80	20.99	21.06	22	2	
10	16QAM	50	0	20.86	20.94	21.01			
10	64QAM	1	0	20.94	21.19	21.22			
10	64QAM	1	25	20.92	21.09	21.15			
10	64QAM	1	49	20.94	21.05	21.10	22	2	
10	64QAM	25	0	19.92	19.97	20.02			
10	64QAM	25	12	19.90	19.99	20.02			
10	64QAM	25	25	19.92	20.01	20.11			
10	64QAM	50	0	19.89	19.98	20.01	21	3	
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.34	22.37	22.46	24	0	
5	QPSK	1	12	22.23	22.37	22.47			
5	QPSK	1	24	22.23	22.38	22.39			
5	QPSK	12	0	21.82	21.99	22.02			
5	QPSK	12	7	21.81	21.97	22.01	23	1	
5	QPSK	12	13	21.79	22.01	21.98			
5	QPSK	25	0	21.79	21.94	22.02			
5	16QAM	1	0	21.98	22.11	22.18			
5	16QAM	1	12	21.97	22.12	22.07	23	1	
5	16QAM	1	24	22.00	22.12	22.15			
5	16QAM	12	0	20.88	20.99	21.03			
5	16QAM	12	7	20.87	21.00	21.07			
5	16QAM	12	13	20.81	21.01	21.01	22	2	
5	16QAM	25	0	20.81	20.94	21.01			
5	64QAM	1	0	21.08	21.14	21.18			
5	64QAM	1	12	21.09	21.24	21.16			
5	64QAM	1	24	21.02	21.12	21.07	22	2	
5	64QAM	12	0	19.88	19.97	20.08			
5	64QAM	12	7	19.89	19.97	20.09			
5	64QAM	12	13	19.83	20.00	20.03			
5	64QAM	25	0	19.83	19.95	20.04	21	3	
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.33	22.34	22.42	24	0	
3	QPSK	1	8	22.44	22.44	22.44			
3	QPSK	1	14	22.37	22.40	22.41			
3	QPSK	8	0	21.93	21.88	21.99			
3	QPSK	8	4	21.97	21.96	22.03	23	1	
3	QPSK	8	7	21.93	21.97	21.97			
3	QPSK	15	0	21.98	21.94	21.95			
3	16QAM	1	0	22.11	22.20	22.22			
3	16QAM	1	8	22.24	22.30	22.29	23	1	
3	16QAM	1	14	22.17	22.22	22.20			
3	16QAM	8	0	20.97	20.96	21.04			
3	16QAM	8	4	21.04	21.02	21.11			
3	16QAM	8	7	20.99	20.99	21.01	22	2	
3	16QAM	15	0	20.97	20.95	21.02			
3	64QAM	1	0	21.06	21.09	21.19			
3	64QAM	1	8	21.24	21.24	21.26			
3	64QAM	1	14	21.15	21.11	21.15	22	2	
3	64QAM	8	0	19.96	20.00	20.02			
3	64QAM	8	4	20.04	20.07	20.04			
3	64QAM	8	7	19.98	20.04	20.08			
3	64QAM	15	0	20.00	19.98	20.07	21	3	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.36	22.34	22.34	24	0	
1.4	QPSK	1	3	22.37	22.40	22.38			
1.4	QPSK	1	5	22.29	22.33	22.29			
1.4	QPSK	3	0	22.34	22.37	22.33			
1.4	QPSK	3	1	22.38	22.38	22.38	23	1	
1.4	QPSK	3	3	22.36	22.37	22.40			
1.4	QPSK	6	0	21.92	21.93	21.92			
1.4	16QAM	1	0	22.17	22.21	22.22			
1.4	16QAM	1	3	22.27	22.32	22.28	23	1	
1.4	16QAM	1	5	22.19	22.17	22.21			
1.4	16QAM	3	0	21.98	21.97	21.97			
1.4	16QAM	3	1	22.04	21.99	22.03			
1.4	16QAM	3	3	21.99	21.96	21.96	22	2	
1.4	16QAM	6	0	21.03	21.01	21.04			
1.4	64QAM	1	0	21.05	21.03	21.08			
1.4	64QAM	1	3	21.14	21.13	21.13			
1.4	64QAM	1	5	21.08	21.04	21.04	22	2	
1.4	64QAM	3	0	21.04	21.08	21.09			
1.4	64QAM	3	1	21.07	21.10	21.15			
1.4	64QAM	3	3	21.02	21.07	21.10			
1.4	64QAM	6	0	19.98	20.01	19.98	21	3	

Band 38(only on channel required)												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.64	22.67	22.57	24	0				
20	QPSK	1	49	22.58	22.55	22.44						
20	QPSK	1	99	22.60	22.64	22.46						
20	QPSK	50	0	21.71	21.75	21.60						
20	QPSK	50	24	21.57	21.62	21.64	23	1				
20	QPSK	50	50	21.70	21.67	21.74						
20	QPSK	100	0	21.54	21.65	21.57						
20	16QAM	1	0	21.75	21.73	21.75						
20	16QAM	1	49	21.74	21.71	21.74	23	1				
20	16QAM	1	99	21.76	21.76	21.79						
20	16QAM	50	0	20.55	20.53	20.59						
20	16QAM	50	24	20.61	20.60	20.62						
20	16QAM	50	50	20.68	20.71	20.75	22	2				
20	16QAM	100	0	20.61	20.61	20.49						
20	64QAM	1	49	20.44	20.42	20.48						
20	64QAM	1	99	20.45	20.52	20.58						
20	64QAM	50	0	19.51	19.53	19.57	21	3				
20	64QAM	50	24	19.59	19.59	19.60						
20	64QAM	50	50	19.66	19.66	19.71						
20	64QAM	100	0	19.66	19.64	19.71						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.34	22.46	22.58	24	0				
15	QPSK	1	37	22.37	22.53	22.42						
15	QPSK	1	74	22.56	22.61	22.41						
15	QPSK	36	0	21.40	21.51	21.58						
15	QPSK	36	20	21.53	21.55	21.64	23	1				
15	QPSK	36	39	21.50	21.59	21.69						
15	QPSK	75	0	21.50	21.51	21.60						
15	16QAM	1	0	21.52	21.68	21.73						
15	16QAM	1	37	21.54	21.65	21.69	23	1				
15	16QAM	1	74	21.64	21.74	21.85						
15	16QAM	36	0	20.40	20.47	20.53						
15	16QAM	36	20	20.51	20.52	20.64						
15	16QAM	36	39	20.50	20.54	20.64	22	2				
15	16QAM	75	0	20.56	20.53	20.62						
15	64QAM	1	0	20.31	20.41	20.47						
15	64QAM	1	37	20.34	20.44	20.51						
15	64QAM	1	74	20.37	20.47	20.58	22	2				
15	64QAM	36	0	19.46	19.53	19.60						
15	64QAM	36	20	19.56	19.59	19.66						
15	64QAM	36	39	19.54	19.65	19.68						
15	64QAM	75	0	19.56	19.61	19.66	Time-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.61	22.61	22.56	24	0				
10	QPSK	1	25	22.54	22.61	22.45						
10	QPSK	1	49	22.54	22.62	22.34						
10	QPSK	25	0	21.60	21.62	21.73						
10	QPSK	25	12	21.68	21.72	21.75	23	1				
10	QPSK	25	25	21.66	21.77	21.85						
10	QPSK	50	0	21.59	21.65	21.76						
10	16QAM	1	0	21.68	21.67	21.84						
10	16QAM	1	25	21.70	21.80	21.82	23	1				
10	16QAM	1	49	21.69	21.81	21.89						
10	16QAM	25	0	20.89	20.82	20.76						
10	16QAM	25	12	20.66	20.73	20.79						
10	16QAM	25	25	20.64	20.79	20.89	22	2				
10	64QAM	1	0	20.44	20.60	20.73						
10	64QAM	1	25	20.41	20.52	20.63						
10	64QAM	1	49	20.60	20.68	20.81						
10	64QAM	25	0	19.63	19.61	19.75						
10	64QAM	25	12	19.68	19.70	19.82	21	3				
10	64QAM	25	25	19.67	19.76	19.80						
10	64QAM	50	0	19.64	19.69	19.85						
10	64QAM	50	25	19.64	19.69	19.85						
10	64QAM	50	50	19.64	19.69	19.85						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.55	22.62	22.45	24	0				
5	QPSK	1	12	22.47	22.62	22.44						
5	QPSK	1	24	22.49	22.64	22.54						
5	QPSK	12	0	21.58	21.68	21.84						
5	QPSK	12	7	21.63	21.68	21.85	23	1				
5	QPSK	12	13	21.64	21.66	21.84						
5	QPSK	25	0	21.59	21.63	21.81						
5	16QAM	1	0	21.68	21.72	21.82						
5	16QAM	1	12	21.70	21.78	21.87	23	1				
5	16QAM	1	24	21.69	21.86	21.89						
5	16QAM	12	0	20.59	20.63	20.77						
5	16QAM	12	7	20.58	20.65	20.81						
5	16QAM	12	13	20.58	20.70	20.82	22	2				
5	16QAM	25	0	20.62	20.70	20.85						
5	64QAM	1	0	20.46	20.52	20.67						
5	64QAM	1	12	20.35	20.46	20.54						
5	64QAM	1	24	20.45	20.59	20.67	22	2				
5	64QAM	12	0	19.60	19.68	19.82						
5	64QAM	12	7	19.65	19.69	19.82						
5	64QAM	12	13	19.59	19.73	19.83						
5	64QAM	25	0	19.61	19.67	19.82	21	3				

Band 41 (2.6G 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.	Power HdB	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.43	22.54	22.59	22.50	22.47	24	0
20	QPSK	1	49	22.22	22.28	22.44	22.47	22.48		
20	QPSK	1	99	22.24	22.23	22.58	22.43	22.58		
20	QPSK	50	0	21.55	21.65	21.70	21.64	21.57		
20	QPSK	50	24	21.40	21.40	21.55	21.64	21.57	23	1
20	QPSK	50	50	21.39	21.36	21.58	21.66	21.69		
20	QPSK	100	0	21.38	21.40	21.62	21.61	21.57		
20	16QAM	1	0	21.34	21.33	21.49	21.65	21.65		
20	16QAM	1	49	21.35	21.32	21.49	21.60	21.60	23	1
20	16QAM	1	99	21.43	21.37	21.60	21.76	21.74		
20	16QAM	50	0	20.39	20.41	20.46	20.64	20.57		
20	16QAM	50	24	20.42	20.38	20.58	20.67	20.50		
20	16QAM	50	50	20.39	20.41	20.59	20.69	20.70	22	2
20	16QAM	100	0	20.43	20.42	20.55	20.63	20.56		
20	64QAM	1	0	20.37	20.42	20.77	20.72	20.66		
20	64QAM	1	49	20.56	20.37	20.58	20.60	20.59		
20	64QAM	1	99	20.40	20.43	20.85	20.73	20.73	21	3
20	64QAM	50	0	19.60	19.62	19.69	19.86	19.76		
20	64QAM	50	24	19.65	19.67	19.80	19.80	19.76		
20	64QAM	50	50	19.66	19.65	19.84	19.92	19.91		
20	64QAM	100	0	19.74	19.73	19.89	19.97	19.94	Time-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.25	22.33	22.36	22.48	22.47	24	0
15	QPSK	1	37	22.18	22.17	22.34	22.46	22.49		
15	QPSK	1	74	22.22	22.25	22.54	22.59	22.60		
15	QPSK	36	0	21.34	21.33	21.38	21.62	21.53		
15	QPSK	36	20	21.39	21.36	21.51	21.63	21.61	23	1
15	QPSK	36	39	21.41	21.36	21.53	21.65	21.64		
15	QPSK	75	0	21.38	21.36	21.53	21.62	21.59		
15	16QAM	1	0	21.39	21.42	21.51	21.63	21.67		
15	16QAM	1	37	21.32	21.32	21.43	21.58	21.55	23	1
15	16QAM	1	74	21.40	21.47	21.62	21.78	21.74		
15	16QAM	36	0	20.39	20.32	20.42	20.60	20.50		
15	16QAM	36	20	20.39	20.36	20.47	20.61	20.61		
15	16QAM	36	39	20.38	20.33	20.50	20.58	20.60	22	2
15	16QAM	75	0	20.39	20.32	20.52	20.58	20.58		
15	64QAM	1	0	20.38	20.56	20.74	20.63	20.62		
15	64QAM	1	37	20.36	20.35	20.56	20.67	20.61		
15	64QAM	1	74	20.45	20.45	20.63	20.76	20.76	21	3
15	64QAM	36	0	19.66	19.67	19.70	19.89	19.83		
15	64QAM	36	20	19.71	19.64	19.83	19.89	19.82		
15	64QAM	36	39	19.68	19.68	19.80	19.86	19.80		
15	64QAM	75	0	19.71	19.67	19.83	19.96	19.97	Time-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.40	22.50	22.54	22.43	22.45	24	0
10	QPSK	1	25	22.43	22.38	22.54	22.34	22.43		
10	QPSK	1	49	22.46	22.33	22.51	22.34	22.54		
10	QPSK	25	0	21.54	21.52	21.68	21.61	21.58		
10	QPSK	25	12	21.62	21.53	21.72	21.67	21.82	23	1
10	QPSK	25	12	21.65	21.51	21.74	21.78	21.85		
10	QPSK	50	0	21.57	21.54	21.70	21.70	21.83		
10	16QAM	1	0	21.56	21.46	21.67	21.72	21.81		
10	16QAM	1	25	21.52	21.59	21.68	21.68	21.78	22	2
10	16QAM	1	49	21.50	21.54	21.65	21.79	21.82		
10	16QAM	25	0	20.52	20.52	20.65	20.79	20.83		
10	16QAM	25	12	20.65	20.48	20.75	20.87	20.85		
10	16QAM	25	25	20.59	20.52	20.77	20.82	20.78	21	3
10	16QAM	50	0	20.60	20.54	20.72	20.84	20.84		
10	64QAM	1	0	20.74	20.77	20.77	21.02	20.96		
10	64QAM	1	25	20.62	20.67	20.77	20.80	20.79		
10	64QAM	1	49	20.73	20.56	20.83	20.83	21.02	20	2
10	64QAM	25	0	19.85	19.70	19.86	20.07	20.09		
10	64QAM	25	12	19.90	19.75	19.97	20.07	20.09		
10	64QAM	25	25	19.86	19.77	20.00	20.14	20.08		
10	64QAM	50	0	19.85	19.75	19.97	20.16	20.16	Time-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.43	22.38	22.46	22.44	22.43	24	0
5	QPSK	1	12	22.39	22.43	22.57	22.45	22.48		
5	QPSK	1	24	22.40	22.37	22.57	22.43	22.43		
5	QPSK	12	0	21.54	21.54	21.63	21.61	21.64		
5	QPSK	12	7	21.57	21.55	21.71	21.61	21.74	23	1
5	QPSK	12	13	21.60	21.62	21.67	21.80	21.81		
5	QPSK	26	0	21.54	21.47	21.66	21.47	21.80		
5	16QAM	1	0	21.57	21.47	21.79	21.77	21.77		
5	16QAM	1	12	21.59	21.57	21.75	21.68	21.82	23	1
5	16QAM	1	24	21.59	21.50	21.80	21.83	21.83		
5	16QAM	12	0	20.56	20.56	20.60	20.77	20.77		
5	16QAM	12	7	20.51	20.53	20.69	20.80	20.82		
5	16QAM	12	13	20.50	20.45	20.67	20.76	20.74	22	2
5	16QAM	26	0	20.58	20.50	20.72	20.84	20.83		
5	64QAM	1	0	20.62	20.52	20.66	20.89	20.90		
5	64QAM	1	12	20.67	20.56	20.70	20.76	20.76		
5	64QAM	1	24	20.59	20.50	20.77	20.88	20.88	21	3
5	64QAM	12	0	19.84	19.78	19.86	20.06	20.05		
5	64QAM	12	7	19.88	19.78	19.97	20.10	20.11		
5	64QAM	12	13	19.84	19.76	19.96	20.08	20.08		
5	64QAM	26	0	19.77	19.74	19.93	20.07	20.09	Time-up limit (dBm)	MPR (dB)

Full Power Mode for ANT2

GSM850	Band Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel								
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.34	31.64	31.55	33.00	22.34	22.64	22.55	24.00
GPRS 1 Tx slot	31.33	31.63	31.54	33.00	22.33	22.63	22.54	24.00
GPRS 2 Tx slot	28.47	28.77	28.49	29.50	22.47	22.77	22.49	23.50
GPRS 3 Tx slot	27.08	27.43	27.01	28.50	22.80	23.17	22.75	24.24
GPRS 4 Tx slot	25.58	25.61	25.56	26.50	22.58	22.61	22.56	23.50
EDGE 1 Tx slot	24.45	24.66	24.53	25.50	15.45	15.66	15.53	16.50
EDGE 2 Tx slot	22.99	23.12	23.12	24.50	16.99	17.12	17.12	18.50
EDGE 3 Tx slot	21.88	22.13	22.11	23.00	17.82	17.87	17.85	18.74
EDGE 4 Tx slot	20.21	20.04	19.95	21.00	17.21	17.04	16.95	18.00

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4327	4407	4453	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.84	22.93	22.88	24.00
3GPP Rel 99	RMC 12.2Kbps	22.85	22.96	22.89	24.00
3GPP Rel 6	HSOPA Subtest-1	21.94	21.90	21.85	23.00
3GPP Rel 6	HSOPA Subtest-2	21.93	21.89	21.87	23.00
3GPP Rel 6	HSOPA Subtest-3	21.43	21.42	21.34	22.50
3GPP Rel 6	HSOPA Subtest-4	21.44	21.44	21.36	22.50
3GPP Rel 8	DC-HSOPA Subtest-1	21.97	21.93	21.88	23.00
3GPP Rel 8	DC-HSOPA Subtest-2	21.95	21.91	21.89	23.00
3GPP Rel 8	DC-HSOPA Subtest-3	21.46	21.45	21.37	22.50
3GPP Rel 8	DC-HSOPA Subtest-4	21.45	21.45	21.37	22.50
3GPP Rel 6	HSUPA Subtest-1	21.97	21.93	21.85	23.00
3GPP Rel 6	HSUPA Subtest-2	19.98	19.92	19.84	21.00
3GPP Rel 6	HSUPA Subtest-3	20.94	20.92	20.85	22.00
3GPP Rel 6	HSUPA Subtest-4	19.95	19.92	19.85	21.00
3GPP Rel 6	HSUPA Subtest-5	21.90	21.90	21.90	23.00

1.80

Band		CDMA BC0			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
TX Channel		1015	961	777		478	569	684	
Frequency (MHz)		824.7	836.52	846.31		817.9	820.5	823.1	
RC1 SO55		24.55	24.47	24.39	25.00	24.54	24.79	24.79	25.00
RC3 SO55		24.55	24.58	24.37	25.00	24.55	24.84	24.79	25.00
RC3 SO32 (FASCH)		24.52	24.55	24.37	25.00	24.56	24.81	24.78	25.00
RC3 SO32 (SSCH)		24.52	24.54	24.36	25.00	24.54	24.79	24.81	25.00
RTAP 153.6Kbps		24.51	24.52	24.32	25.00	24.58	24.79	24.76	25.00
RETAP 4096B/s		24.57	24.54	24.41	25.00	24.56	24.80	24.83	25.00

Band 2 (1900MHz Band)										
Part 24E										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	22.80	22.59	22.78	23	1	23	0
20	QPSK	1	49	22.62	22.55	22.59				
20	QPSK	1	99	22.42	22.51	22.78				
20	QPSK	50	0	21.81	21.82	21.75				
20	QPSK	50	24	21.79	21.64	21.69	23	1	23	1
20	QPSK	50	50	21.69	21.70	21.69				
20	QPSK	100	0	21.75	21.76	21.69				
20	16QAM	1	0	22.15	22.00	21.90				
20	16QAM	1	49	21.96	21.90	21.91	23	1	23	1
20	16QAM	1	99	21.77	21.84	21.73				
20	16QAM	50	0	20.81	20.71	20.75				
20	16QAM	50	24	20.79	20.65	20.73				
20	16QAM	50	50	20.69	20.71	20.70	22	2	22	2
20	16QAM	100	0	20.79	20.74	20.69				
20	64QAM	1	0	20.78	20.89	20.79				
20	64QAM	1	49	20.79	21.03	20.69				
20	64QAM	1	99	20.76	21.04	20.84	22	2	22	2
20	64QAM	50	0	20.07	19.92	19.96				
20	64QAM	50	24	20.05	19.91	19.94				
20	64QAM	50	50	19.93	19.94	19.97				
20	64QAM	100	0	20.04	19.98	19.97	21	3	21	3
Channel				1867.5	18900	19125				
Frequency (MHz)				1867.5	18900	19125				
15	QPSK	1	0	22.85	22.64	22.68	24	0	24	0
15	QPSK	1	37	22.63	22.55	22.60				
15	QPSK	1	74	22.55	22.54	22.48				
15	QPSK	36	0	21.89	21.71	21.76				
15	QPSK	36	20	21.83	21.73	21.69	23	1	23	1
15	QPSK	36	39	21.70	21.72	21.68				
15	QPSK	75	0	21.83	21.77	21.71				
15	16QAM	1	0	22.13	21.90	22.02				
15	16QAM	1	37	21.87	21.83	21.85	23	1	23	1
15	16QAM	1	74	21.77	21.88	21.77				
15	16QAM	36	0	20.93	20.73	20.77				
15	16QAM	36	20	20.84	20.76	20.69				
15	16QAM	36	39	20.74	20.73	20.75	22	2	22	2
15	16QAM	75	0	20.87	20.76	20.70				
15	64QAM	1	0	21.34	21.06	21.15				
15	64QAM	1	37	21.04	21.05	21.02				
15	64QAM	1	74	20.99	21.07	20.86	22	2	22	2
15	64QAM	36	0	20.13	19.94	19.97				
15	64QAM	36	20	20.04	19.98	19.94				
15	64QAM	36	39	19.95	19.97	19.94				
15	64QAM	75	0	20.08	19.98	19.94	21	3	21	3
Channel				18650	18900	19150				
Frequency (MHz)				18650	18900	19150				
10	QPSK	1	0	22.87	22.81	22.83	24	0	24	0
10	QPSK	1	25	22.82	22.79	22.78				
10	QPSK	1	49	22.78	22.77	22.64				
10	QPSK	25	0	22.05	21.84	21.83				
10	QPSK	25	12	22.01	21.82	21.80	23	1	23	1
10	QPSK	25	25	21.88	21.82	21.81				
10	QPSK	50	0	21.99	21.85	21.81				
10	16QAM	1	0	22.27	22.10	22.14				
10	16QAM	1	25	22.04	22.01	21.98	23	1	23	1
10	16QAM	1	49	21.98	22.05	21.96				
10	16QAM	25	0	21.08	20.87	20.89				
10	16QAM	25	12	21.02	20.82	20.87				
10	16QAM	25	25	20.92	20.84	20.82	22	2	22	2
10	16QAM	50	0	20.99	20.89	20.81				
10	64QAM	1	0	21.50	21.27	21.36				
10	64QAM	1	25	21.24	21.14	21.20				
10	64QAM	1	49	21.17	21.22	21.17	22	2	22	2
10	64QAM	25	0	20.29	20.08	20.12				
10	64QAM	25	12	20.27	20.08	20.11				
10	64QAM	25	25	20.14	20.04	20.03				
10	64QAM	50	0	20.18	20.12	20.05	21	3	21	3
Channel				18625	18900	19175				
Frequency (MHz)				18625	18900	19175				
5	QPSK	1	0	22.88	22.77	22.80	24	0	24	0
5	QPSK	1	12	22.78	22.81	22.70				
5	QPSK	1	24	22.65	22.77	22.77				
5	QPSK	12	0	22.09	21.89	21.90				
5	QPSK	12	7	22.05	21.86	21.83	23	1	23	1
5	QPSK	12	13	21.91	21.82	21.74				
5	QPSK	25	0	22.02	21.85	21.79				
5	16QAM	1	0	22.39	22.10	22.15				
5	16QAM	1	12	22.20	22.05	22.02	23	1	23	1
5	16QAM	1	24	22.13	22.05	21.95				
5	16QAM	12	0	21.14	20.88	20.92				
5	16QAM	12	7	21.04	20.92	20.86				
5	16QAM	12	13	20.94	20.80	20.74	22	2	22	2
5	16QAM	25	0	21.03	20.88	20.83				
5	64QAM	1	0	21.96	21.50	21.51				
5	64QAM	1	12	21.47	21.29	21.17				
5	64QAM	1	24	21.38	21.27	21.21	22	2	22	2
5	64QAM	12	0	20.35	20.08	20.13				
5	64QAM	12	7	20.26	20.12	20.04				
5	64QAM	12	13	20.15	20.00	19.94				
5	64QAM	25	0	20.29	20.10	20.04	21	3	21	3
Channel				18515	18900	19185				
Frequency (MHz)				18515	18900	19185				
3	QPSK	1	0	22.88	22.81	22.85	24	0	24	0
3	QPSK	1	8	22.87	22.85	22.76				
3	QPSK	1	14	22.85	22.69	22.59				
3	QPSK	8	0	22.09	21.84	21.85				
3	QPSK	8	4	22.05	21.91	21.77	23	1	23	1
3	QPSK	8	7	21.98	21.78	21.69				
3	QPSK	15	0	22.03	21.86	21.78				
3	16QAM	1	0	22.34	22.11	22.11				
3	16QAM	1	8	22.28	22.14	22.00	23	1	23	1
3	16QAM	1	14	22.11	21.96	21.87				
3	16QAM	8	0	21.19	20.90	20.94				
3	16QAM	8	4	21.15	20.93	20.84				
3	16QAM	8	7	21.01	20.84	20.79	22	2	22	2
3	16QAM	15	0	21.07	20.92	20.85				
3	64QAM	1	0	21.58	21.25	21.24				
3	64QAM	1	8	21.48	21.27	21.21				
3	64QAM	1	14	21.30	21.13	21.08	22	2	22	2
3	64QAM	8	0	20.39	20.10	20.13				
3	64QAM	8	4	20.34	20.17	20.05				
3	64QAM	8	7	20.24	20.11	19.99				
3	64QAM	15	0	20.28	20.15	20.04	21	3	21	3

Band 17 (700MHz Band)									
Part 27H(only on channel required)									
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				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	22.70	22.73	22.83	24	0	
10	QPSK	1	25	22.68	22.59	22.70			
10	QPSK	1	49	22.67	22.58	22.65			
10	QPSK	25	0	21.76	21.84	21.70			
10	QPSK	25	12	21.83	21.81	21.79	23	1	
10	QPSK	25	25	21.74	21.72	21.73			
10	QPSK	50	0	21.72	21.73	21.70			
10	16QAM	1	0	22.07	22.07	22.04			
10	16QAM	1	25	22.08	22.02	21.99	23	1	
10	16QAM	1	49	22.07	22.09	22.04			
10	16QAM	25	0	20.71	20.74	20.70			
10	16QAM	25	12	20.83	20.84	20.81			
10	16QAM	25	25	20.74	20.76	20.73	22	2	
10	16QAM	50	0	20.76	20.76	20.77			
10	64QAM	1	0	21.13	21.19	21.19			
10	64QAM	1	25	21.02	21.11	21.17			
10	64QAM	1	49	21.18	21.19	21.13	22	2	
10	64QAM	25	0	19.92	19.97	19.92			
10	64QAM	25	12	20.05	20.03	20.00			
10	64QAM	25	25	19.93	19.99	19.96			
10	64QAM	50	0	20.04	20.01	20.03	21	3	
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	22.72	22.71	22.71	24	0	
5	QPSK	1	12	22.67	22.68	22.65			
5	QPSK	1	24	22.66	22.65	22.61			
5	QPSK	12	0	21.86	21.80	21.80			
5	QPSK	12	7	21.81	21.78	21.72	23	1	
5	QPSK	12	13	21.77	21.72	21.70			
5	QPSK	25	0	21.81	21.75	21.70			
5	16QAM	1	0	22.16	22.11	22.04			
5	16QAM	1	12	22.07	22.06	21.97	23	1	
5	16QAM	1	24	22.09	21.96	21.98			
5	16QAM	12	0	20.89	20.85	20.82			
5	16QAM	12	7	20.86	20.80	20.77			
5	16QAM	12	13	20.76	20.77	20.76	22	2	
5	16QAM	25	0	20.82	20.78	20.75			
5	64QAM	1	0	21.30	21.22	21.21			
5	64QAM	1	12	21.09	21.10	21.17			
5	64QAM	1	24	21.15	21.22	21.16	22	2	
5	64QAM	12	0	20.08	20.05	20.02			
5	64QAM	12	7	20.07	20.05	19.98			
5	64QAM	12	13	19.96	20.00	19.95			
5	64QAM	25	0	20.02	19.98	19.91	21	3	

Band 25 (1900MHz Band)									
Part 24E									
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				26140	26340	26590			
Frequency (MHz)				1860	1880	1905			
20	QPSK	1	0	22.74	22.91	22.78	24	0	
20	QPSK	1	49	22.57	22.50	22.55			
20	QPSK	1	99	22.51	22.42	22.45			
20	QPSK	50	0	21.79	21.80	21.68			
20	QPSK	50	24	21.75	21.69	21.70	23	1	
20	QPSK	50	50	21.68	21.55	21.63			
20	QPSK	100	0	21.74	21.75	21.70			
20	16QAM	1	0	21.98	21.83	21.81			
20	16QAM	1	49	21.78	21.73	21.77	23	1	
20	16QAM	1	99	21.64	21.67	21.70			
20	16QAM	50	0	20.82	20.71	20.69			
20	16QAM	50	24	20.75	20.72	20.74			
20	16QAM	50	50	20.71	20.66	20.69	22	2	
20	16QAM	100	0	20.76	20.65	20.64			
20	64QAM	1	0	20.91	20.75	20.75			
20	64QAM	1	49	20.74	20.73	20.74			
20	64QAM	1	99	20.56	20.66	20.68	22	2	
20	64QAM	50	0	19.83	19.75	19.69			
20	64QAM	50	24	19.75	19.71	19.75			
20	64QAM	50	50	19.68	19.64	19.68			
20	64QAM	100	0	19.74	19.68	19.76	21	3	
Channel				26115	26340	26615			
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	22.71	22.61	22.60	24	0	
15	QPSK	1	37	22.51	22.50	22.48			
15	QPSK	1	74	22.47	22.46	22.46			
15	QPSK	36	0	21.79	21.70	21.65			
15	QPSK	36	20	21.74	21.67	21.84	23	1	
15	QPSK	36	39	21.69	21.69	21.75			
15	QPSK	75	0	21.76	21.68	21.67			
15	16QAM	1	0	21.96	21.74	21.82			
15	16QAM	1	37	21.69	21.60	21.64	23	1	
15	16QAM	1	74	21.68	21.65	21.64			
15	16QAM	36	0	20.76	20.68	20.62			
15	16QAM	36	20	20.73	20.70	20.73			
15	16QAM	36	39	20.68	20.66	20.71	22	2	
15	16QAM	75	0	20.75	20.68	20.66			
15	64QAM	1	0	20.89	20.73	20.74			
15	64QAM	1	37	20.69	20.69	20.75			
15	64QAM	1	74	20.65	20.62	20.66	22	2	
15	64QAM	36	0	19.78	19.69	19.64			
15	64QAM	36	20	19.78	19.70	19.78			
15	64QAM	36	39	19.70	19.68	19.68			
15	64QAM	75	0	19.77	19.71	19.68	21	3	
Channel				26090	26340	26590			
Frequency (MHz)				1855	1880	1910			
10	QPSK	1	0	22.90	22.65	22.65	24	0	
10	QPSK	1	25	22.86	22.74	22.75			
10	QPSK	1	49	22.75	22.71	22.85			
10	QPSK	25	0	21.95	21.91	21.84			
10	QPSK	25	12	21.98	21.88	21.82	23	1	
10	QPSK	25	25	21.86	21.83	21.97			
10	QPSK	50	0	21.88	21.85	21.77			
10	16QAM	1	0	22.12	22.06	22.05			
10	16QAM	1	25	22.01	21.92	22.00	23	1	
10	16QAM	1	49	21.99	21.92	22.03			
10	16QAM	25	0	20.98	20.91	20.89			
10	16QAM	25	12	21.00	20.93	20.92			
10	16QAM	25	25	20.80	20.84	20.87	22	2	
10	16QAM	50	0	20.92	20.85	20.92			
10	64QAM	1	0	21.13	21.00	21.07			
10	64QAM	1	25	20.99	20.96	20.96			
10	64QAM	1	49	21.01	20.93	21.04	22	2	
10	64QAM	25	0	19.94	19.96	19.78			
10	64QAM	25	12	19.94	19.86	19.85			
10	64QAM	25	25	19.88	19.78	19.89			
10	64QAM	50	0	19.93	19.83	19.90	21	3	
Channel				26065	26340	26665			
Frequency (MHz)				1852.5	1880	1912.5			
5	QPSK	1	0	22.65	22.78	22.81	24	0	
5	QPSK	1	12	22.78	22.78	22.78			
5	QPSK	1	24	22.62	22.62	22.76			
5	QPSK	12	0	21.91	21.84	21.87			
5	QPSK	12	7	21.93	21.85	21.82	23	1	
5	QPSK	12	13	21.89	21.80	21.83			
5	QPSK	25	0	21.91	21.81	21.83			
5	16QAM	1	0	22.23	22.15	22.13	23	1	
5	16QAM	1	12	22.12	22.10	22.15			
5	16QAM	1	24	22.12	22.10	22.15			
5	16QAM	12	0	20.99	20.86	20.87			
5	16QAM	12	7	20.91	20.79	20.87	22	2	
5	16QAM	12	13	20.88	20.82	20.86			
5	16QAM	25	0	20.88	20.84	20.86			
5	64QAM	1	0	21.27	21.12	21.10	22	2	
5	64QAM	1	12	21.10	20.99	21.02			
5	64QAM	1	24	21.18	21.04	21.11			
5	64QAM	12	0	19.95	19.86	19.84			
5	64QAM	12	7	19.91	19.79	19.85	21	3	
5	64QAM	12	13	19.91	19.84	19.86			
5	64QAM	25	0	19.92	19.83	19.85			
Channel				26055 <th>26340</th> <th>26675</th>	26340	26675			
Frequency (MHz)				1851.5	1880	1913.5			
3	QPSK	1	0	22.55	22.76	22.85	24	0	
3	QPSK	1	8	22.56	22.76	22.85			
3	QPSK	1	14	22.84	22.73	22.79			
3	QPSK	8	0	21.89	21.94	21.83			
3	QPSK	8	4	21.88	21.82	21.86	23	1	
3	QPSK	8	7	21.92	21.80	21.81			
3	QPSK	15	0	21.90	21.83	21.85			
3	16QAM	1	0	22.24	22.16	22.16	22	2	
3	16QAM	1	8	22.22	22.11	22.21			
3	16QAM	1	14	22.71	22.08	22.15			
3	16QAM	8	0	20.95	20.92	20.91			
3	16QAM	8	4	21.01	20.88	20.91	22	2	
3	16QAM	8	7	20.98	20.87	20.84			
3	16QAM	15	0	20.93	20.78	20.82			
3	64QAM	1	0	21.23	21.12	21.19	22	2	
3	64QAM	1	8	21.28	21.15	21.25			
3	64QAM	1	14	21.22	21.12	21.24			
3	64QAM	8	0	19.90	19.83	19.87			
3	64QAM	8	4	19.97	19.82	19.87	21	3	
3	64QAM	8	7	19.93	19.87	19.82			
3	64QAM	15	0	19.93	19.81	19.85			
Channel				26047	26340	26683			
Frequency (MHz)				1850.5	1880	1914.5			
1.4	QPSK	1	0	22.71	22.95	22.71	24	0	
1.4	QPSK	1	3	22.80	22.73	22.78			
1.4	QPSK	1	5	22.71	22.63	22.70			
1.4	QPSK	3	0	22.79	22.66	22.74			
1.4	QPSK	3	1	22.81	22.69	22.75	23	1	
1.4	QPSK	3	3	22.77	22.64	22.75			
1.4	QPSK	6	0	21.86	21.72	21.79			
1.4	16QAM	1	0	22.18	22.02	22.08	22	2	
1.4	16QAM	1	3	22.21	22.16	22.17			
1.4	16QAM	1	5	22.16	22.07	22.10			
1.4	16QAM	3	0	21.80	21.69	21.76			
1.4	16QAM	3	1	21.82	21.73	21.78	23	1	
1.4	16QAM	3	3	21.76	21.68	21.71			
1.4	16QAM	6	0	20.91	20.83	20.83			
1.4	64QAM	1	0	21.22	21.02	21.12	22	2	
1.4	64QAM	1	3	21.20	21.11	21.14			
1.4	64QAM	1	5	21.12	21.00	21.05			
1.4	64QAM	3	0	20.99	20.90	20.90			
1.4	64QAM	3	1	21.04	20.92	20.97	22	2	
1.4	64QAM	3	3	21.01	20.90	20.93			
1.4	64QAM	6	0	19.91	19.78	19.80			

Band 66								
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				132072	132322	132572	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	22.35	22.45	22.37	24	0
20	QPSK	1	49	22.26	22.35	22.32		
20	QPSK	1	99	22.18	22.04	22.22		
20	QPSK	50	0	21.82	21.86	21.85		
20	QPSK	50	24	21.75	21.75	21.82	23	1
20	QPSK	50	50	21.77	21.88	21.82		
20	QPSK	100	0	21.72	21.86	21.84		
20	16QAM	1	0	22.15	22.06	22.24		
20	16QAM	1	49	22.12	21.98	22.21	23	1
20	16QAM	1	99	22.05	21.85	22.11		
20	16QAM	50	0	20.71	20.65	20.81		
20	16QAM	50	24	20.78	20.72	20.80		
20	16QAM	50	50	20.79	20.64	20.81	22	2
20	16QAM	100	0	20.75	20.74	20.80		
20	64QAM	1	0	20.99	20.84	21.11		
20	64QAM	1	49	20.96	20.75	21.00		
20	64QAM	1	99	20.93	20.71	20.93	22	2
20	64QAM	50	0	19.79	19.68	19.87		
20	64QAM	50	24	19.76	19.72	19.82		
20	64QAM	50	50	19.80	19.64	19.84		
20	64QAM	50	100	19.79	19.73	19.81	21	3
Channel				132047	132322	132597		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	22.13	22.23	22.39	24	0
15	QPSK	1	37	22.16	22.27	22.32		
15	QPSK	1	74	22.01	22.21	22.19		
15	QPSK	36	0	21.61	21.80	21.83		
15	QPSK	36	20	21.73	21.80	21.90	23	1
15	QPSK	36	39	21.69	21.81	21.86		
15	QPSK	75	0	21.67	21.75	21.76		
15	16QAM	1	0	21.92	22.15	22.20		
15	16QAM	1	37	21.91	22.09	22.16	23	1
15	16QAM	1	74	21.80	22.06	22.12		
15	16QAM	36	0	20.70	20.81	20.82		
15	16QAM	36	20	20.75	20.82	20.91	22	2
15	16QAM	36	39	20.65	20.85	20.85		
15	16QAM	75	0	20.71	20.77	20.82		
15	64QAM	1	0	20.88	21.10	21.07		
15	64QAM	1	37	20.72	20.91	21.03	22	2
15	64QAM	1	74	20.65	20.88	20.98		
15	64QAM	36	0	19.64	19.83	19.82		
15	64QAM	36	20	19.73	19.81	19.94		
15	64QAM	36	39	19.67	19.85	19.85	21	3
15	64QAM	75	0	19.70	19.80	19.86		
Channel				131997	132322	132647		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	22.17	22.33	22.33	24	0
10	QPSK	1	25	22.30	22.32	22.32		
10	QPSK	1	49	22.14	22.35	22.32		
10	QPSK	25	0	21.86	21.92	21.98		
10	QPSK	25	12	21.84	21.93	22.00	23	1
10	QPSK	25	25	21.84	22.00	21.94		
10	QPSK	50	0	21.80	21.94	21.94		
10	16QAM	1	0	22.00	22.16	22.24		
10	16QAM	1	25	21.93	22.13	22.20	23	1
10	16QAM	1	49	21.94	22.13	22.20		
10	16QAM	25	0	20.86	20.99	21.02		
10	16QAM	25	12	20.90	20.98	21.00	22	2
10	16QAM	25	25	20.80	20.99	21.06		
10	16QAM	50	0	20.86	20.94	21.01		
10	64QAM	1	0	20.92	21.17	21.20		
10	64QAM	1	25	20.90	21.07	21.13	22	2
10	64QAM	1	49	20.92	21.03	21.08		
10	64QAM	25	0	19.90	19.95	20.00		
10	64QAM	25	12	19.88	19.97	20.00		
10	64QAM	25	25	19.90	19.99	20.09	21	3
10	64QAM	50	0	19.87	19.96	19.99		
Channel				131957	132322	132647		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	22.32	22.37	22.23	24	0
5	QPSK	1	12	22.23	22.37	22.34		
5	QPSK	1	24	22.23	22.38	22.39		
5	QPSK	12	0	21.82	21.96	22.02		
5	QPSK	12	7	21.81	21.97	22.01	23	1
5	QPSK	12	13	21.79	22.01	21.98		
5	QPSK	25	0	21.79	21.94	22.02		
5	16QAM	1	0	21.98	22.11	22.18		
5	16QAM	1	12	21.97	22.12	22.07	23	1
5	16QAM	1	24	22.00	22.12	22.15		
5	16QAM	12	0	20.88	20.99	21.03		
5	16QAM	12	7	20.87	21.00	21.07	22	2
5	16QAM	12	13	20.81	21.01	21.01		
5	16QAM	25	0	20.81	20.94	21.01		
5	64QAM	1	0	21.06	21.12	21.16		
5	64QAM	1	12	21.07	21.22	21.14	22	2
5	64QAM	1	24	21.00	21.10	21.05		
5	64QAM	12	0	19.86	19.95	20.06		
5	64QAM	12	7	19.87	19.95	20.07		
5	64QAM	12	13	19.81	19.98	20.01	21	3
5	64QAM	25	0	19.81	19.93	20.02		
Channel				131897	132322	132627		
Frequency (MHz)				1711.5	1745	1779.5		
3	QPSK	1	0	22.33	22.34	22.42	24	0
3	QPSK	1	8	22.44	22.44	22.44		
3	QPSK	1	14	22.37	22.40	22.41		
3	QPSK	8	0	21.93	21.88	21.99		
3	QPSK	8	4	21.97	21.99	22.03	23	1
3	QPSK	8	7	21.93	21.97	21.97		
3	QPSK	15	0	21.98	21.94	21.95		
3	16QAM	1	0	22.11	22.20	22.22		
3	16QAM	1	8	22.24	22.30	22.29	23	1
3	16QAM	1	14	22.17	22.22	22.20		
3	16QAM	8	0	20.97	20.96	21.04		
3	16QAM	8	4	21.04	21.02	21.11		
3	16QAM	8	7	20.99	20.99	21.01	22	2
3	16QAM	15	0	20.97	20.95	21.02		
3	64QAM	1	0	21.04	21.07	21.17		
3	64QAM	1	8	21.22	21.22	21.24		
3	64QAM	1	14	21.13	21.09	21.13	22	2
3	64QAM	8	0	19.94	19.98	20.00		
3	64QAM	8	4	20.02	20.05	20.02		
3	64QAM	8	7	19.96	20.02	20.06		
3	64QAM	15	0	19.98	19.96	20.05	Tune-up limit (dBm)	MPR (dB)
Channel				131979	132322	132665		
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	22.36	22.34	22.34	24	0
1.4	QPSK	1	3	22.37	22.40	22.39		
1.4	QPSK	1	5	22.29	22.33	22.29		
1.4	QPSK	3	0	22.34	22.37	22.33		
1.4	QPSK	3	1	22.38	22.38	22.38	23	1
1.4	QPSK	3	3	22.36	22.37	22.40		
1.4	QPSK	6	0	21.92	21.93	21.92		
1.4	16QAM	1	0	22.17	22.21	22.22		
1.4	16QAM	1	3	22.27	22.32	22.28	23	1
1.4	16QAM	1	5	22.19	22.17	22.21		
1.4	16QAM	3	0	21.98	21.97	21.97		
1.4	16QAM	3	1	22.04	21.99	22.03		
1.4	16QAM	3	3	21.99	21.96	21.96	22	2
1.4	16QAM	6	0	21.03	21.04	21.09		
1.4	64QAM	1	0	21.03	21.01	21.06		
1.4	64QAM	1	3	21.12	21.11	21.11		
1.4	64QAM	1	5	21.06	21.02	21.02	22	2
1.4	64QAM	3	0	21.02	21.06	21.07		
1.4	64QAM	3	1	21.05	21.08	21.13		
1.4	64QAM	3	3	21.00	21.05	21.08		
1.4	64QAM	6	0	19.96	19.99	19.96	21	3

Band 71								
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				133222	133322	133372	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	683	688		
20	QPSK	1	0	22.43	22.46	22.37	24	0
20	QPSK	1	49	22.43	22.46	22.44		
20	QPSK	1	99	22.45	22.32	22.32		
20	QPSK	50	0	21.45	21.57	21.54	23	1
20	QPSK	50	24	21.43	21.52	21.54		
20	QPSK	50	50	21.54	21.45	21.49		
20	QPSK	100	0	21.55	21.56	21.38	23	1
20	16QAM	1	0	21.56	21.43	21.82		
20	16QAM	1	49	21.34	21.65	21.82		
20	16QAM	1	99	21.65	21.56	21.70	22	2
20	16QAM	50	0	20.76	20.57	20.58		
20	16QAM	50	24	20.65	20.47	20.54		
20	16QAM	50	50	20.45	20.42	20.37	22	2
20	16QAM	100	0	20.42	20.43	20.49		
20	64QAM	1	0	20.44	20.56	20.51		
20	64QAM	1	49	20.65	20.74	20.63	21	3
20	64QAM	1	99	20.55	20.52	20.42		
20	64QAM	50	0	19.76	19.68	19.62		
20	64QAM	50	24	19.66	19.63	19.48	20	3
20	64QAM	50	50	19.54	19.52	19.53		
20	64QAM	100	0	19.61	19.61	19.48		
Channel				133197	133297	133387	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	22.39	22.41	22.31	24	0
15	QPSK	1	37	22.29	22.37	22.41		
15	QPSK	1	74	22.41	22.27	22.26		
15	QPSK	36	0	21.40	21.53	21.49	23	1
15	QPSK	36	20	21.39	21.47	21.48		
15	QPSK	36	39	21.49	21.41	21.45		
15	QPSK	75	0	21.51	21.40	21.33	23	1
15	16QAM	1	0	21.52	21.75	21.78		
15	16QAM	1	37	21.29	21.60	21.77		
15	16QAM	1	74	20.71	21.51	21.66	22	2
15	16QAM	36	0	20.71	20.53	20.53		
15	16QAM	36	20	20.60	20.42	20.48		
15	16QAM	36	39	20.41	20.37	20.33	21	3
15	16QAM	75	0	20.49	20.37	20.44		
15	16QAM	1	0	20.39	20.51	20.57		
15	64QAM	1	37	20.61	20.70	20.58	22	2
15	64QAM	1	74	20.50	20.47	20.36		
15	64QAM	36	0	19.71	19.64	19.57		
15	64QAM	36	20	19.62	19.58	19.42	21	3
15	64QAM	36	39	19.48	19.46	19.50		
15	64QAM	75	0	19.61	19.50	19.40		
Channel				133172	133272	133422	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	676	693		
10	QPSK	1	0	22.35	22.36	22.25	24	0
10	QPSK	1	25	22.27	22.31	22.28		
10	QPSK	1	49	22.37	22.27	22.20		
10	QPSK	25	0	21.35	21.49	21.44	23	1
10	QPSK	25	12	21.35	21.42	21.42		
10	QPSK	25	25	21.44	21.37	21.41		
10	QPSK	50	0	21.47	21.35	21.28	22	2
10	16QAM	1	0	21.46	21.71	21.68		
10	16QAM	1	25	21.24	21.55	21.72		
10	16QAM	1	49	21.57	21.46	21.62	21	3
10	16QAM	25	0	20.66	20.49	20.48		
10	16QAM	25	12	20.55	20.37	20.42		
10	16QAM	25	25	20.37	20.32	20.29	20	2
10	16QAM	50	0	20.44	20.31	20.39		
10	64QAM	1	0	20.34	20.46	20.53		
10	64QAM	1	25	20.57	20.66	20.53	23	1
10	64QAM	1	49	20.45	20.42	20.30		
10	64QAM	25	0	19.66	19.60	19.52		
10	64QAM	25	12	19.58	19.53	19.36	22	2
10	64QAM	25	25	19.44	19.40	19.47		
10	64QAM	50	0	19.57	19.45	19.34		
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	675.5	695.5		
5	QPSK	1	0	22.41	22.41	22.29	24	0
5	QPSK	1	12	22.29	22.35	22.45		
5	QPSK	1	24	22.43	22.27	22.24		
5	QPSK	12	0	21.40	21.55	21.49	23	1
5	QPSK	12	7	21.41	21.47	21.46		
5	QPSK	12	13	21.40	21.40	21.47		
5	QPSK	25	0	21.53	21.40	21.33	22	2
5	16QAM	1	0	21.54	21.77	21.80		
5	16QAM	1	12	21.45	21.60	21.71		
5	16QAM	1	24	21.63	21.51	21.66	21	3
5	16QAM	12	0	20.71	20.55	20.53		
5	16QAM	12	7	20.60	20.49	20.48		
5	16QAM	12	13	20.43	20.37	20.35	22	2
5	16QAM	25	0	20.49	20.35	20.44		
5	64QAM	1	0	20.39	20.51	20.59		
5	64QAM	1	12	20.63	20.72	20.58	22	2
5	64QAM	1	24	20.50	20.47	20.34		
5	64QAM	12	0	19.71	19.66	19.57		
5	64QAM	12	7	19.64	19.58	19.40	21	3
5	64QAM	12	13	19.49	19.44	19.54		
5	64QAM	25	0	19.63	19.50	19.38		

Reduced power Mode for P-Sensor On for ANT1

GSM1900	Power-Average Power (dBm)			Tune-up Limit (dBm)	Power-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1950.2	1880	1909.8	1650.2	1880	1909.8		
Frequency (MHz)	1950.2	1880	1909.8	(dBm)	1650.2	1880	1909.8	
GSM 1 Tx slot	25.73	26.14	26.17	27.50	16.73	17.14	17.17	18.50
GPRS 1 Tx slot	25.72	25.97	26.18	27.50	16.72	16.97	17.18	18.50
GPRS 2 Tx slot	23.56	23.76	23.61	25.50	17.56	17.76	17.61	19.50
GPRS 3 Tx slot	23.20	23.33	23.30	24.00	18.94	19.07	19.04	19.74
GPRS 4 Tx slot	20.26	20.36	20.72	22.00	17.26	17.36	17.72	19.00
EDGE 1 Tx slot	21.32	21.67	21.71	23.00	12.32	12.67	12.71	14.00
EDGE 2 Tx slot	20.06	20.27	20.25	21.50	14.06	14.27	14.25	15.50
EDGE 3 Tx slot	18.86	19.15	19.11	20.50	14.86	14.89	14.85	16.24
EDGE 4 Tx slot	17.60	17.23	17.12	18.50	14.60	14.23	14.12	15.50

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	TX Channel	9262	9400		9638	1312	1413	
RX Channel		9662	9800	9838	1537	1538	1738	
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	16.16	16.30	16.14	17.50	16.10	16.22	16.24
3GPP Rel 99	RMC 12.2Kbps	16.17	16.32	16.29	17.50	16.21	16.27	16.19
3GPP Rel 6	HSUPA Subtest-1	15.94	15.65	15.69	16.50	15.62	15.54	15.52
3GPP Rel 6	HSUPA Subtest-2	15.89	15.61	15.67	16.50	15.67	15.45	15.62
3GPP Rel 6	HSUPA Subtest-3	15.35	15.31	15.22	16.00	14.90	15.15	15.05
3GPP Rel 6	HSUPA Subtest-4	15.32	15.28	15.24	16.00	15.02	15.22	15.07
3GPP Rel 8	DC-HSDPA Subtest-1	15.03	15.70	15.60	16.50	15.53	15.58	15.43
3GPP Rel 8	DC-HSDPA Subtest-2	15.89	15.53	15.67	16.50	15.61	15.37	15.46
3GPP Rel 8	DC-HSDPA Subtest-3	15.35	15.31	15.22	16.00	15.13	15.15	15.05
3GPP Rel 8	DC-HSDPA Subtest-4	15.32	15.28	15.24	16.00	15.21	15.10	15.07
3GPP Rel 6	HSUPA Subtest-1	15.95	15.82	15.77	16.50	15.95	15.57	15.60
3GPP Rel 6	HSUPA Subtest-2	13.96	14.08	13.73	14.50	13.71	13.92	13.56
3GPP Rel 6	HSUPA Subtest-3	14.94	14.86	14.72	15.50	14.67	14.70	14.55
3GPP Rel 6	HSUPA Subtest-4	13.97	13.89	13.76	14.50	13.68	13.73	13.59
3GPP Rel 6	HSUPA Subtest-5	15.92	15.92	15.72	16.50	15.50	15.60	15.50

Band		CDMA BC1			Tune-up
TX Channel	26	600	1175	Limit	
Frequency (MHz)	1851.25	1880	1908.75	(dBm)	
RC1 SO55	16.09	16.23	16.14	18.00	
RC3 SO55	16.12	16.21	16.16	18.00	
RC3 SO32 (F+SCH)	16.33	16.38	16.38	18.00	
RC3 SO32 (+SCH)	16.23	16.30	16.23	18.00	
RTAP 153.6Kbps	16.18	16.38	16.23	18.00	
RTAP 4096B/s	16.13	16.32	16.27	18.00	

Band 2 (1900MHz Band)									
Part 24E									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	16.85	16.86	16.87	18	0	
20	QPSK	1	49	16.66	16.54	16.66			
20	QPSK	1	99	16.67	16.58	16.65			
20	QPSK	50	0	16.78	16.85	16.72			
20	QPSK	50	24	16.52	16.48	16.70	18	0	
20	QPSK	50	50	16.44	16.55	16.63			
20	QPSK	100	0	16.50	16.65	16.64			
20	16QAM	1	0	16.53	16.38	16.52			
20	16QAM	1	49	16.29	16.72	16.49	18	0	
20	16QAM	1	99	16.32	16.72	16.34			
20	16QAM	50	0	16.19	16.26	16.48			
20	16QAM	50	24	16.21	16.24	16.56			
20	16QAM	50	50	16.23	16.37	16.41	18	0	
20	16QAM	100	0	16.20	16.30	16.44			
20	64QAM	1	0	16.50	16.67	16.61			
20	64QAM	1	49	16.37	16.47	16.41			
20	64QAM	1	99	16.19	16.33	16.25	18	0	
20	64QAM	50	0	16.41	16.18	16.33			
20	64QAM	50	24	16.20	16.21	16.26			
20	64QAM	50	50	16.17	16.67	16.33			
20	64QAM	100	0	16.31	16.12	16.30	18	0	
Channel									
Frequency (MHz)									
15	QPSK	1	0	16.57	16.38	16.54	18	0	
15	QPSK	1	37	16.45	16.37	16.56			
15	QPSK	1	74	16.34	16.43	16.38			
15	QPSK	36	0	16.64	16.51	16.61			
15	QPSK	36	20	16.62	16.55	16.53	18	0	
15	QPSK	36	39	16.57	16.56	16.61			
15	QPSK	75	0	16.59	16.51	16.48			
15	16QAM	1	0	16.77	16.43	16.66			
15	16QAM	1	37	16.79	16.34	16.59	18	0	
15	16QAM	1	74	16.75	16.56	16.61			
15	16QAM	36	0	16.56	16.46	16.52			
15	16QAM	36	20	16.64	16.57	16.53			
15	16QAM	36	39	16.59	16.55	16.60	18	0	
15	16QAM	75	0	16.60	16.58	16.54			
15	64QAM	1	0	16.79	16.49	16.54			
15	64QAM	1	37	16.75	16.73	16.61			
15	64QAM	1	74	16.76	16.60	16.41	18	0	
15	64QAM	36	0	16.35	16.37	16.47			
15	64QAM	36	20	16.26	16.35	16.44			
15	64QAM	36	39	16.17	16.29	16.33			
15	64QAM	75	0	16.31	16.30	16.30	18	0	
Channel									
Frequency (MHz)									
10	QPSK	1	0	16.42	16.73	16.39	18	0	
10	QPSK	1	25	16.26	16.37	16.56			
10	QPSK	1	49	16.27	16.47	16.27			
10	QPSK	25	0	16.44	16.34	16.51			
10	QPSK	25	12	16.43	16.31	16.56	18	0	
10	QPSK	25	25	16.35	16.37	16.47			
10	QPSK	50	0	16.40	16.40	16.41			
10	16QAM	1	0	16.72	16.67	16.66			
10	16QAM	1	25	16.69	16.48	16.50	18	0	
10	16QAM	1	49	16.82	16.45	16.47			
10	16QAM	25	0	16.52	16.52	16.53			
10	16QAM	25	12	16.49	16.38	16.55			
10	16QAM	25	25	16.50	16.50	16.50	18	0	
10	16QAM	50	0	16.43	16.49	16.50			
10	64QAM	1	0	16.68	16.44	16.59			
10	64QAM	1	25	16.61	16.52	16.43			
10	64QAM	1	49	16.62	16.43	16.89	18	0	
10	64QAM	25	0	16.44	16.40	16.63			
10	64QAM	25	12	16.45	16.46	16.46			
10	64QAM	25	25	16.46	16.25	16.53			
10	64QAM	50	0	16.45	16.41	16.43	18	0	
Channel									
Frequency (MHz)									
5	QPSK	1	0	16.58	16.44	16.53	18	0	
5	QPSK	1	12	16.47	16.52	16.51			
5	QPSK	1	24	16.38	16.40	16.41			
5	QPSK	12	0	16.62	16.41	16.62			
5	QPSK	12	7	16.52	16.45	16.51	18	0	
5	QPSK	12	13	16.47	16.41	16.48			
5	QPSK	25	0	16.59	16.41	16.44			
5	16QAM	1	0	16.77	16.70	16.74			
5	16QAM	1	12	16.67	16.68	16.78	18	0	
5	16QAM	1	24	16.93	16.75	16.87			
5	16QAM	12	0	16.71	16.50	16.60			
5	16QAM	12	7	16.57	16.55	16.58			
5	16QAM	12	13	16.45	16.44	16.44	18	0	
5	16QAM	25	0	16.61	16.49	16.54			
5	64QAM	1	0	16.44	16.43	16.60			
5	64QAM	1	12	16.51	16.79	16.44			
5	64QAM	1	24	16.48	16.43	16.52	18	0	
5	64QAM	12	0	16.46	16.42	16.60			
5	64QAM	12	7	16.54	16.39	16.61			
5	64QAM	12	13	16.37	16.46	16.47			
5	64QAM	25	0	16.61	16.57	16.56	18	0	
Channel									
Frequency (MHz)									
3	QPSK	1	0	16.87	16.57	16.76	18	0	
3	QPSK	1	8	16.71	16.62	16.71			
3	QPSK	1	14	16.63	16.53	16.55			
3	QPSK	8	0	16.77	16.59	16.79			
3	QPSK	8	4	16.78	16.69	16.67	18	0	
3	QPSK	8	7	16.66	16.55	16.63			
3	QPSK	15	0	16.66	16.59	16.70			
3	16QAM	1	0	16.40	16.32	16.41			
3	16QAM	1	8	16.44	16.36	16.61	18	0	
3	16QAM	1	14	16.55	16.75	16.57			
3	16QAM	8	0	16.66	16.52	16.65			
3	16QAM	8	4	16.61	16.55	16.67			
3	16QAM	8	7	16.49	16.41	16.50	18	0	
3	16QAM	15	0	16.53	16.52	16.66			
3	64QAM	1	0	16.58	16.63	16.71			
3	64QAM	1	8	16.80	16.89	16.95			
3	64QAM	1	14	16.51	16.52	16.65	18	0	
3	64QAM	8	0	16.63	16.38	16.49			
3	64QAM	8	4	16.55	16.65	16.57			
3	64QAM	8	7	16.47	16.37	16.52			
3	64QAM	15	0	16.53	16.34	16.46	18	0	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	16.67	16.58	16.67	18	0	
1.4	QPSK	1	3	16.72	16.61	16.72			
1.4	QPSK	1	5	16.56	16.49	16.67			
1.4	QPSK	3	0	16.72	16.49	16.57			
1.4	QPSK	3	1	16.76	16.56	16.65	18	0	
1.4	QPSK	3	3	16.62	16.46	16.64			
1.4	QPSK	6	0	16.68	16.59	16.71			
1.4	16QAM	1	0	16.53	16.39	16.60			
1.4	16QAM	1	3	16.39	16.26	16.42	18	0	
1.4	16QAM	1	5	16.38	16.39	16.57			
1.4	16QAM	3	0	16.60	16.36	16.42			
1.4	16QAM	3	1	16.65	16.53	16.59			
1.4	16QAM	3	3	16.45	16.38	16.50	18	0	
1.4	16QAM	6	0	16.64	16.42	16.60			
1.4	64QAM	1	0	16.57	16.23	16.42			
1.4	64QAM	1	3	16.36	16.36	16.59			
1.4	64QAM	1	5	16.60	16.39	16.60	18	0	
1.4	64QAM	3	0	16.55	16.36	16.64			
1.4	64QAM	3	1	16.69	16.75	16.57			
1.4	64QAM	3	3	16.55	16.39	16.47			
1.4	64QAM	6	0	16.62	16.37	16.60	18	0	

Band 25 (1900MHz Band)									
Part 24E									
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)							18610	26340	26590
20	QPSK	1	0	16.72	16.83	16.80			
20	QPSK	1	49	16.75	16.76	16.77	18	0	
20	QPSK	1	99	16.66	16.71	16.62			
20	QPSK	50	0	16.83	16.90	16.77			
20	QPSK	50	24	16.80	16.65	16.74	18	0	
20	QPSK	50	50	16.61	16.64	16.67			
20	QPSK	100	0	16.60	16.70	16.68			
20	16QAM	1	0	16.63	16.76	16.67			
20	16QAM	1	49	16.45	16.40	16.47	18	0	
20	16QAM	1	99	16.56	16.84	16.62			
20	16QAM	50	0	16.35	16.45	16.56			
20	16QAM	50	24	16.47	16.51	16.50	18	0	
20	16QAM	50	50	16.36	16.45	16.67			
20	16QAM	36	0	16.39	16.45	16.35			
20	64QAM	1	0	16.67	16.45	16.32	18	0	
20	64QAM	1	49	16.72	16.22	16.45			
20	64QAM	1	99	16.69	16.22	16.31			
20	64QAM	50	0	16.41	16.29	16.45			
20	64QAM	50	24	16.22	16.38	16.55	18	0	
20	64QAM	50	50	16.42	16.51	16.50			
20	64QAM	100	0	16.44	16.18	16.25			
Channel							26115	26340	26615
Frequency (MHz)							1857.5	1880	1907.5
15	QPSK	1	0	16.76	16.71	16.76			
15	QPSK	1	37	16.77	16.68	16.75	18	0	
15	QPSK	1	74	16.65	16.52	16.64			
15	QPSK	36	0	16.69	16.39	16.55			
15	QPSK	36	20	16.69	16.50	16.71			
15	QPSK	36	39	16.67	16.59	16.55			
15	QPSK	75	0	16.67	16.44	16.53			
15	16QAM	1	0	16.18	16.39	16.20			
15	16QAM	1	37	16.33	16.24	16.41	18	0	
15	16QAM	1	74	16.35	16.35	16.35			
15	16QAM	36	0	16.40	16.09	16.21			
15	16QAM	36	20	16.42	16.24	16.36	18	0	
15	16QAM	36	39	16.38	16.26	16.41			
15	16QAM	75	0	16.39	16.29	16.18			
15	64QAM	1	0	16.54	16.17	16.33			
15	64QAM	1	37	16.59	16.15	16.16			
15	64QAM	1	74	16.24	16.18	16.17			
15	64QAM	36	0	16.30	16.12	16.16			
15	64QAM	36	20	16.39	16.35	16.26			
15	64QAM	36	39	16.18	16.13	16.18			
15	64QAM	75	0	16.27	16.24	16.24			
Channel							26220	26340	26620
Frequency (MHz)							1855	1880	1910
10	QPSK	1	0	16.65	16.69	16.57			
10	QPSK	1	25	16.73	16.78	16.81	18	0	
10	QPSK	1	49	16.81	16.71	16.73			
10	QPSK	25	0	16.80	16.74	16.84			
10	QPSK	25	12	16.91	16.85	16.83	18	0	
10	QPSK	25	25	16.79	16.82	16.91			
10	QPSK	50	0	16.77	16.89	16.87			
10	16QAM	1	0	16.66	16.79	16.43			
10	16QAM	1	25	16.46	16.71	16.42	18	0	
10	16QAM	1	49	16.61	16.40	16.47			
10	16QAM	25	0	16.42	16.27	16.44			
10	16QAM	25	12	16.42	16.41	16.58	18	0	
10	16QAM	25	25	16.46	16.43	16.35			
10	16QAM	50	0	16.36	16.34	16.54			
10	64QAM	1	0	16.58	16.66	16.61			
10	64QAM	1	25	16.34	16.34	16.34	18	0	
10	64QAM	1	49	16.54	16.55	16.39			
10	64QAM	25	0	16.34	16.40	16.28			
10	64QAM	25	12	16.24	16.41	16.34	18	0	
10	64QAM	25	25	16.40	16.38	16.28			
10	64QAM	50	0	16.34	16.34	16.41			
Channel							26065	26340	26665
Frequency (MHz)							1852.5	1880	1912.5
5	QPSK	1	0	16.65	16.69	16.57			
5	QPSK	1	12	16.73	16.78	16.81	18	0	
5	QPSK	1	24	16.81	16.71	16.78			
5	QPSK	12	0	16.80	16.74	16.84			
5	QPSK	12	7	16.91	16.85	16.82			
5	QPSK	12	13	16.79	16.82	16.91			
5	QPSK	25	0	16.77	16.89	16.87			
5	16QAM	1	0	16.66	16.79	16.43			
5	16QAM	1	12	16.46	16.71	16.42	18	0	
5	16QAM	1	24	16.61	16.40	16.47			
5	16QAM	12	0	16.42	16.27	16.44			
5	16QAM	12	7	16.42	16.41	16.58	18	0	
5	16QAM	12	13	16.46	16.43	16.35			
5	16QAM	25	0	16.36	16.34	16.54			
5	64QAM	1	0	16.58	16.66	16.61			
5	64QAM	1	12	16.34	16.34	16.34	18	0	
5	64QAM	1	24	16.54	16.55	16.39			
5	64QAM	12	0	16.34	16.40	16.28			
5	64QAM	12	7	16.24	16.41	16.34	18	0	
5	64QAM	12	13	16.40	16.38	16.28			
5	64QAM	25	0	16.27	16.24	16.24			
Channel							26055	26340	26675
Frequency (MHz)							1851.5	1880	1913.5
3	QPSK	1	0	16.75	16.74	16.80			
3	QPSK	1	8	16.74	16.78	16.85	18	0	
3	QPSK	1	14	16.77	16.76	16.82			
3	QPSK	8	0	16.85	16.77	16.87			
3	QPSK	8	4	16.89	16.84	16.88	18	0	
3	QPSK	8	7	16.80	16.81	16.86			
3	QPSK	15	0	16.79	16.82	16.90			
3	16QAM	1	0	16.47	16.67	16.56			
3	16QAM	1	8	16.47	16.47	16.40	18	0	
3	16QAM	1	14	16.37	16.56	16.75			
3	16QAM	8	0	16.48	16.23	16.50			
3	16QAM	8	4	16.43	16.43	16.48	18	0	
3	16QAM	8	7	16.27	16.50	16.47			
3	16QAM	15	0	16.33	16.40	16.54			
3	64QAM	1	0	16.44	16.36	16.71			
3	64QAM	1	8	16.60	16.45	16.84	18	0	
3	64QAM	1	14	16.41	16.35	16.36			
3	64QAM	8	0	16.36	16.23	16.44			
3	64QAM	8	4	16.23	16.26	16.49	18	0	
3	64QAM	8	7	16.34	16.26	16.48			
3	64QAM	15	0	16.44	16.43	16.84			
Channel							26047	26340	26693
Frequency (MHz)							1850.7	1880	1914.3
1.4	QPSK	1	0	16.73	16.61	16.67			
1.4	QPSK	1	3	16.81	16.74	16.79	18	0	
1.4	QPSK	1	5	16.71	16.66	16.73			
1.4	QPSK	3	0	16.85	16.68	16.66			
1.4	QPSK	3	1	16.83	16.81	16.76			
1.4	QPSK	3	3	16.75	16.74	16.77			
1.4	QPSK	6	0	16.63	16.50	16.61	18	0	
1.4	16QAM	1	0	16.55	16.48	16.81			
1.4	16QAM	1	3	16.86	16.72	16.47			
1.4	16QAM	1	5	16.91	16.91	16.72	18	0	
1.4	16QAM	3	0	16.55	16.53	16.43			
1.4	16QAM	3	1	16.41	16.37	16.61			
1.4	16QAM	3	3	16.44	16.36	16.50	18	0	
1.4	16QAM	6	0	16.49	16.46	16.55			
1.4	64QAM	1	0	16.43	16.56	16.64			
1.4	64QAM	1	3	16.67	16.32	16.47			
1.4	64QAM	1	5	16.38	16.25	16.46			
1.4	64QAM	3	0	16.46	16.58	16.29	18	0	
1.4	64QAM	3	1	16.43	16.59	16.34			
1.4	64QAM	3	3	16.27	16.30	16.15			
1.4	64QAM	6	0	16.49	16.44	16.49	18	0	



Band 38(only on channel required)										
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Turn-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
37850 38050 38175										
20	QPSK	1	0	18.06	18.23	18.09				
20	QPSK	1	49	17.73	17.97	18.16			19.5	0
20	QPSK	1	98	17.86	18.12	18.06				
20	QPSK	50	0	17.94	18.07	18.07				
20	QPSK	50	24	18.01	18.01	18.09			19.5	0
20	QPSK	50	0	17.96	18.05	18.13				
20	QPSK	100	0	18.03	17.99	18.12				
20	ISDM	1	0	18.08	18.07	18.03			19.5	0
20	ISDM	1	49	17.95	18.20	17.98				
20	ISDM	1	99	17.80	18.05	18.03				
20	ISDM	50	0	17.74	17.81	17.78			19.5	0
20	ISDM	50	24	17.84	17.88	18.00				
20	ISDM	50	50	17.85	17.84	17.90				
20	ISDM	100	0	17.77	17.82	17.86				
20	ISDM	1	1	17.75	17.75	17.86				
20	ISDM	1	49	17.83	17.85	17.82			19.5	0
20	ISDM	1	99	17.75	17.82	17.85				
20	ISDM	50	0	17.80	17.83	17.85				
20	ISDM	50	24	17.91	17.91	17.89			19.5	0
20	ISDM	50	50	17.77	17.88	17.88				
20	ISDM	100	0	17.88	17.83	17.81				
Channel										
Frequency (MHz)										
38175 38350 38475										
15	QPSK	1	0	17.82	17.87	18.12				
15	QPSK	1	37	17.76	17.84	17.86			19.5	0
15	QPSK	1	74	17.87	18.13	18.10				
15	QPSK	36	0	17.95	17.88	18.00				
15	QPSK	36	20	17.94	18.00	17.99			19.5	0
15	QPSK	36	39	17.98	18.02	18.13				
15	QPSK	75	0	17.89	18.02	18.11				
15	ISDM	1	0	17.87	18.01	18.07				
15	ISDM	1	37	17.86	17.91	17.82			19.5	0
15	ISDM	1	74	17.79	18.06	18.09				
15	ISDM	36	0	17.91	17.88	18.00			19.5	0
15	ISDM	36	20	17.85	17.84	18.00				
15	ISDM	36	39	17.76	17.80	17.92				
15	ISDM	75	0	17.79	17.83	17.89				
15	ISDM	1	0	17.87	17.71	17.81			19.5	0
15	ISDM	1	37	17.86	17.86	17.81				
15	ISDM	1	74	17.73	17.85	17.81				
15	ISDM	36	0	17.98	17.89	17.87			19.5	0
15	ISDM	36	20	17.76	17.84	18.08				
15	ISDM	36	39	17.82	17.81	18.18				
15	ISDM	75	0	17.82	17.80	18.06				
Channel										
Frequency (MHz)										
38475 38650 38775										
10	QPSK	1	0	17.82	18.16	18.15				
10	QPSK	1	25	18.01	18.12	18.14			19.5	0
10	QPSK	1	49	17.99	18.06	18.15				
10	QPSK	25	0	18.15	18.13	18.15			19.5	0
10	QPSK	25	12	18.10	18.12	18.16				
10	QPSK	25	25	18.06	18.09	18.02				
10	QPSK	50	0	17.86	17.98	18.01				
10	ISDM	1	0	17.87	18.07	18.13			19.5	0
10	ISDM	1	25	18.08	17.99	18.19				
10	ISDM	1	49	17.98	17.80	18.00				
10	ISDM	25	0	17.98	18.08	18.02			19.5	0
10	ISDM	25	12	17.90	17.87	18.10				
10	ISDM	25	25	17.73	18.08	18.14				
10	ISDM	50	0	17.85	17.86	18.16				
10	ISDM	1	0	18.05	18.05	17.97			19.5	0
10	ISDM	1	25	17.78	17.88	17.96				
10	ISDM	1	49	17.77	18.11	17.87				
10	ISDM	25	0	18.04	18.11	18.17			19.5	0
10	ISDM	25	12	18.03	18.11	18.16				
10	ISDM	25	25	18.03	18.07	18.20				
10	ISDM	50	0	17.92	18.02	18.12				
Channel										
Frequency (MHz)										
38775 38950 39075										
5	QPSK	1	0	18.16	18.15	18.22				
5	QPSK	1	12	17.87	18.04	18.16			19.5	0
5	QPSK	1	24	17.96	18.13	18.21				
5	QPSK	12	0	18.05	18.13	18.21				
5	QPSK	12	7	18.11	18.18	18.12			19.5	0
5	QPSK	12	13	18.06	18.22	18.11				
5	QPSK	25	0	18.09	18.04	18.12				
5	ISDM	1	0	18.00	18.11	18.16			19.5	0
5	ISDM	1	12	17.87	18.07	18.16				
5	ISDM	1	24	17.82	17.79	17.86				
5	ISDM	12	0	17.85	18.04	18.20				
5	ISDM	12	7	18.01	18.07	18.12			19.5	0
5	ISDM	12	13	17.96	18.07	18.14				
5	ISDM	25	0	17.91	18.02	18.10				

Band 41 (2.6G Band)										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low-Mid Ch / Freq.	Power Mid Ch / Freq.	Power High-Mid Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
				3900	2548.5	2593	3036.5	3080		
20	QPSK	1	0	18.30	18.14	18.30	18.13	18.33		
20	QPSK	1	49	18.00	17.92	17.92	18.11	18.09	19.5	0
20	QPSK	1	98	18.09	17.84	17.96	18.19	18.23		
20	QPSK	50	0	18.12	18.00	18.14	18.11	18.13		
20	QPSK	50	24	18.14	18.22	18.23	18.13	18.28	19.5	0
20	QPSK	100	0	18.18	18.15	18.30	18.22	18.29		
20	QPSK	100	0	18.18	18.15	18.30	18.22	18.29		
20	ISDM	1	0	18.07	18.15	18.28	18.31	18.16	19.5	0
20	ISDM	1	49	18.01	18.10	18.00	18.25	17.94		
20	ISDM	1	99	18.17	18.11	18.04	18.13	18.28		
20	ISDM	50	0	17.92	18.09	18.05	18.15	18.22		
20	ISDM	50	24	18.21	18.12	18.03	18.29	18.17		
20	ISDM	50	50	18.22	18.13	17.98	18.05	18.31	19.5	0
20	ISDM	100	0	17.98	18.04	18.13	18.16	18.29		
20	ISDM	1	0	17.90	17.84	17.97	18.08	17.91		
20	ISDM	1	49	17.73	17.77	18.00	17.84	17.81	19.5	0
20	ISDM	1	99	18.02	17.86	17.23	18.09			
20	ISDM	50	0	17.94	18.13	18.05	18.21	18.05		
20	ISDM	50	24	17.88	18.02	18.10	18.29	18.29	19.5	0
20	ISDM	50	50	18.01	17.86	18.13	18.05	18.02		
20	ISDM	100	0	17.95	18.11	18.05	18.16	18.01		
Channel				3925	4013	4050	4108	4151 <th>Turn-up limit (dBm)</th> <th>MPR (dB)</th>	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				2548.5	2593	3037	3080	3123 <td></td> <td></td>		
15	QPSK	1	0	18.11	18.04	18.07	18.29	18.34		
15	QPSK	1	37	17.88	18.09	17.88	18.07	18.21	19.5	0
15	QPSK	1	74	17.92	18.10	18.20	18.33	18.31		
15	QPSK	36	0	17.95	18.04	17.89	18.26	18.35		
15	QPSK	36	20	17.97	18.14	18.08	18.21	18.37	19.5	0
15	QPSK	36	39	17.95	18.13	18.06	18.17	18.13		
15	QPSK	75	0	17.98	18.08	18.15	18.34	18.37		
15	QPSK	1	0	17.87	18.01	18.07	18.15	18.17		
15	ISDM	1	37	17.97	17.89	17.95	17.98	18.09		
15	ISDM	1	74	17.92	18.13	18.14	18.15	18.16	19.5	0
15	ISDM	36	0	17.89	18.05	17.84	18.12	18.08		
15	ISDM	36	20	17.87	18.00	17.84	18.10	18.10	19.5	0
15	ISDM	36	39	17.86	18.00	17.88	18.00	18.00		
15	ISDM	75	0	17.86	18.07	18.09	18.10	18.07		
15	ISDM	1	0	18.07	18.02	18.06	18.18	18.02		
15	ISDM	1	37	17.98	17.88	18.10	17.97	18.13	19.5	0
15	ISDM	36	0	17.91	18.11	17.95	18.11	17.99		
15	ISDM	36	20	18.00	18.14	18.15	18.04	18.24		
15	ISDM	36	39	18.11	18.02	17.97	18.15	18.24	19.5	0
15	ISDM	75	0	18.01	18.18	18.05	18.17	18.01		
Channel				4050	4160	4050	4190	4150 <th>Turn-up limit (dBm)</th> <th>MPR (dB)</th>	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				2593	3037	3080	3524	3080		
10	QPSK	1	0	17.94	17.83	17.93	17.91	18.21		
10	QPSK	1	23	18.09	17.94	17.84	18.12	18.08	19.5	0
10	QPSK	1	46	17.98	17.92	17.81	18.07	18.03		
10	QPSK	25	0	17.87	18.08	18.01	18.24	18.27		
10	QPSK	25	12	17.94	18.09	18.07	18.18	18.26	19.5	0
10	QPSK	25	25	17.91	17.96	18.13	18.20	18.30		
10	QPSK	50	0	17.95	17.86	18.21	18.23	18.29		
10	ISDM	1	0	18.03	18.23	18.31	18.21	18.19		
10	ISDM	1	23	17.91	17.86	17.91	18.13	18.27	19.5	0
10	ISDM	1	46	18.02	17.89	18.13	18.24	18.34		
10	ISDM	25	0	17.94	18.18	17.93	18.24	18.21		
10	ISDM	25	12	17.97	18.09	18.07	18.26	18.26	19.5	0
10	ISDM	50	0	18.05	18.21	18.10	18.34	18.24		
10	ISDM	50	0	17.89	17.88	17.79	18.09	17.94		
10	ISDM	1	25	17.89	17.92	17.95	17.87	17.87	19.5	0
10	ISDM	1	46	18.04	18.13	18.14	18.13	18.12		
10	ISDM	25	0	17.97	17.99	18.05	18.12	18.11		
10	ISDM	25	12	17.97	17.99	18.14	18.12	18.12	19.5	0
10	ISDM	50	0	18.07	18.09	18.09	18.26	18.30		
10	ISDM	50	0	18.08	18.10	18.11	18.24	18.25		
Channel				3067.5	4018	4050	4103	4165 <th>Turn-up limit (dBm)</th> <th>MPR (dB)</th>	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				2548.5	3037	3080	3524	3080		
5	QPSK	1	0	17.77	18.01	17.98	18.23	18.11		
5	QPSK	1	12	17.82	17.87	18.10	18.08	18.19	19.5	0
5	QPSK	1	24	17.80	17.86	18.12	18.22	18.13		
5	QPSK	12	0	17.98	18.03	18.10	18.26	18.23		
5	QPSK	12	7	17.99	17.99	17.98	18.18	18.12	19.5	0
5	QPSK	12	19	18.01	18.06	18.12	18.24	18.20		
5	QPSK	25	0	17.88	18.05	17.99	18.25	18.16		
5	ISDM	1	0	17.91	18.29	18.02	18.34	18.31	19.5	0
5	ISDM	1	12	17.95	18.11	18.13	18.27	18.25		
5	ISDM	1	24	17.92	18.00	18.09	18.13	18.14		
5	ISDM	12	0	17.85	18.01	17.97	18.14	18.14	19.5	0
5	ISDM	12	7	17.93	17.12	18.09	18.29	18.23		
5	ISDM	12	19	17.86	17.87	18.11	18.27	18.14		
5	ISDM	25	0	17.98	17.97	17.93	18.23	18.27	19.5	0
5	ISDM	25	7	17.98	17.98	17.97	18.25	18.26		
5	ISDM	1	24	17.97	18.05	17.86	18.01	17.91		
5	ISDM	1	12	17.97	17.88	17.71	17.92	18.00		
5	ISDM	12	0	18.09	18.02	18.21	18.14	18.28	19.5	0
5	ISDM	12	7	18.22	18.04	18.17	18.12	18.28		
5	ISDM	12	19	17.94	18.11	18.12	18.21	18.36	19.5	0
5	ISDM	25	0	17.98	18.09	18.06	18.23	18.32		

Reduced power Mode for Hotspot On for ANT1

GSM1900	Transmit Average Power (dBm)			Tune-up Limit (dBm)	Transmit Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1950.2	1880	1909.8	1650.2	1885	1909.8		
Frequency (MHz)	1950.2	1880	1909.8	1650.2	1885	1909.8		
GSM 1 Tx slot	24.25	24.20	24.54	25.50	15.25	15.20	15.54	16.50
GPRS 1 Tx slot	24.24	24.18	24.53	25.50	15.24	15.18	15.53	16.50
GPRS 2 Tx slot	21.92	22.07	22.25	23.50	15.92	16.07	16.25	17.50
GPRS 3 Tx slot	20.77	20.82	21.11	22.00	16.51	16.56	16.85	17.74
GPRS 3 Tx slot	16.66	16.66	16.03	20.00	15.66	15.66	16.03	17.00
EDGE 1 Tx slot	16.97	16.99	16.91	21.00	10.97	10.99	10.91	12.00
EDGE 2 Tx slot	16.86	16.82	16.70	19.50	12.66	12.62	12.70	13.50
EDGE 3 Tx slot	17.52	17.52	17.55	18.50	13.26	13.26	13.29	14.24
EDGE 4 Tx slot	15.43	15.52	15.68	16.50	12.43	12.52	12.68	13.50

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	TX Channel	9262	9400	9538	1312	1413	1513	
RX Channel	9662	9800	9938	1537	1536	1738		
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	16.16	16.30	16.14	17.50	14.65	14.71	14.60
3GPP Rel 99	RMC 12.2Kbps	16.17	16.32	16.29	17.50	14.56	14.73	14.61
3GPP Rel 6	HSDPA Subtest-1	15.94	15.65	15.69	16.50	14.16	14.23	14.31
3GPP Rel 6	HSDPA Subtest-2	15.89	15.61	15.67	16.50	14.21	14.20	14.32
3GPP Rel 6	HSDPA Subtest-3	15.35	15.31	15.22	16.00	13.87	13.84	13.82
3GPP Rel 6	HSDPA Subtest-4	15.32	15.26	15.24	16.00	13.84	13.83	13.91
3GPP Rel 8	DC-HSDPA Subtest-1	15.03	15.70	15.60	16.50	14.15	14.23	14.32
3GPP Rel 8	DC-HSDPA Subtest-2	15.89	15.53	15.67	16.50	14.21	14.15	14.27
3GPP Rel 8	DC-HSDPA Subtest-3	15.35	15.31	15.22	16.00	13.88	13.84	13.82
3GPP Rel 8	DC-HSDPA Subtest-4	15.32	15.26	15.24	16.00	13.91	13.83	13.84
3GPP Rel 6	HSUPA Subtest-1	15.95	15.82	15.77	16.50	14.52	14.35	14.37
3GPP Rel 6	HSUPA Subtest-2	13.96	14.08	13.73	14.50	12.50	12.33	12.51
3GPP Rel 6	HSUPA Subtest-3	14.94	14.86	14.72	15.50	13.46	13.44	13.32
3GPP Rel 6	HSUPA Subtest-4	13.97	13.89	13.76	14.50	12.51	12.42	12.53
3GPP Rel 8	HSUPA Subtest-5	15.92	15.92	15.72	16.50	14.40	14.40	14.30

Band	CDMA BC1			Tune-up Limit (dBm)
	TX Channel	26	600	1175
Frequency (MHz)	1651.25	1880	1908.75	
RC1 SO55	15.09	15.23	15.14	17.00
RC1 SO55	15.12	15.21	15.16	17.00
RC3 SO42 (FACH)	15.33	15.38	15.38	17.00
RC3 SO32 (FACH)	15.23	15.30	15.23	17.00
RTAP 153.6Kbps	15.18	15.38	15.23	17.00
RTAP 4560Kbps	15.13	15.32	15.27	17.00

Band 2 (1900MHz Band)									
Part 24E									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	15.22	15.41	15.05			
20	QPSK	1	49	15.11	15.10	15.15	16.5	0	
20	QPSK	1	99	15.23	15.07	15.09			
20	QPSK	50	0	15.22	15.34	15.25			
20	QPSK	50	24	15.20	15.14	15.22	16.5	0	
20	QPSK	50	50	15.10	15.13	15.22			
20	QPSK	100	0	15.11	15.24	15.23			
20	16QAM	1	0	15.06	15.07	15.23			
20	16QAM	1	49	15.39	15.07	15.23	16.5	0	
20	16QAM	1	99	15.08	15.17	15.34			
20	16QAM	50	0	15.09	15.13	15.33			
20	16QAM	50	24	15.09	15.08	15.27	16.5	0	
20	16QAM	50	50	15.13	15.09	15.17			
20	16QAM	100	0	15.08	15.10	15.10			
20	64QAM	1	0	15.31	15.16	15.14			
20	64QAM	1	49	15.07	15.17	14.06	16.5	0	
20	64QAM	1	99	15.27	15.08	15.26			
20	64QAM	50	0	15.15	15.16	15.35			
20	64QAM	50	24	15.10	15.27	15.09	16.5	0	
20	64QAM	50	50	15.16	15.27	15.09			
20	64QAM	100	0	15.21	15.24	15.15			
Channel									
Frequency (MHz)									
15	QPSK	1	0	15.25	14.87	15.20			
15	QPSK	1	37	14.99	14.94	15.16	16.5	0	
15	QPSK	1	74	15.12	15.13	14.94			
15	QPSK	36	0	14.95	14.85	15.07			
15	QPSK	36	20	15.03	14.91	15.09	16.5	0	
15	QPSK	36	39	15.00	14.92	15.05			
15	QPSK	75	0	15.07	14.91	15.06			
15	16QAM	1	0	15.13	14.65	15.15			
15	16QAM	1	37	14.95	14.91	15.05	16.5	0	
15	16QAM	1	74	14.92	15.05	15.02			
15	16QAM	36	0	14.91	14.82	15.00			
15	16QAM	36	20	14.96	14.95	14.96	16.5	0	
15	16QAM	36	39	14.92	14.90	14.97			
15	16QAM	75	0	14.93	14.95	14.89			
15	64QAM	1	0	15.21	14.95	14.96			
15	64QAM	1	37	14.74	14.92	14.98	16.5	0	
15	64QAM	1	74	15.08	14.72	14.93			
15	64QAM	36	0	15.01	14.64	14.88			
15	64QAM	36	20	14.92	14.88	14.95	16.5	0	
15	64QAM	36	39	14.84	14.84	14.83			
15	64QAM	75	0	14.84	14.95	14.89			
Channel									
Frequency (MHz)									
10	QPSK	1	0	15.16	15.04	15.07			
10	QPSK	1	25	14.99	14.94	15.13	16.5	0	
10	QPSK	1	49	15.12	14.89	15.07			
10	QPSK	25	0	15.20	15.11	15.22			
10	QPSK	25	12	15.16	15.14	15.15	16.5	0	
10	QPSK	25	25	15.13	15.16	15.23			
10	QPSK	50	0	15.14	15.16	15.03			
10	16QAM	1	0	15.28	15.17	15.10			
10	16QAM	1	25	15.02	15.13	15.10	16.5	0	
10	16QAM	1	49	15.14	14.99	15.01			
10	16QAM	25	0	15.15	15.06	15.23			
10	16QAM	25	12	15.15	15.03	15.11	16.5	0	
10	16QAM	25	25	15.05	15.02	15.16			
10	16QAM	50	0	15.06	15.05	15.03			
10	64QAM	1	0	15.15	15.07	15.01			
10	64QAM	1	25	14.99	15.12	15.23	16.5	0	
10	64QAM	1	49	15.12	15.07	15.11			
10	64QAM	25	0	15.06	14.91	14.96			
10	64QAM	25	12	15.00	14.82	15.07	16.5	0	
10	64QAM	25	25	14.98	15.03	15.07			
10	64QAM	50	0	15.10	14.94	15.07			
Channel									
Frequency (MHz)									
5	QPSK	1	0	15.30	15.14	15.25			
5	QPSK	1	12	15.24	15.22	15.10	16.5	0	
5	QPSK	1	24	15.07	15.03	15.27			
5	QPSK	12	0	15.39	15.23	15.40			
5	QPSK	12	7	15.31	15.24	15.33	16.5	0	
5	QPSK	12	13	15.17	15.16	15.27			
5	QPSK	25	0	15.27	15.30	15.34			
5	16QAM	1	0	15.27	15.13	15.04			
5	16QAM	1	12	15.03	15.11	15.18	16.5	0	
5	16QAM	1	24	15.29	15.27	15.25			
5	16QAM	12	0	15.14	14.96	15.12			
5	16QAM	12	7	15.19	15.03	15.17	16.5	0	
5	16QAM	12	13	15.07	15.01	14.96			
5	16QAM	25	0	15.11	15.04	15.06			
5	64QAM	1	0	15.24	15.14	14.96			
5	64QAM	1	12	14.92	15.19	15.03	16.5	0	
5	64QAM	1	24	15.11	15.06	14.85			
5	64QAM	12	0	15.07	14.99	15.20			
5	64QAM	12	7	15.19	15.13	15.13	16.5	0	
5	64QAM	12	13	15.08	15.27	15.25			
5	64QAM	25	0	15.11	14.97	15.07			
Channel									
Frequency (MHz)									
3	QPSK	1	0	15.28	15.09	15.14			
3	QPSK	1	8	15.30	15.03	15.19	16.5	0	
3	QPSK	1	14	15.30	15.12	15.21			
3	QPSK	8	0	15.29	15.16	15.21			
3	QPSK	8	4	15.31	15.03	15.30	16.5	0	
3	QPSK	8	7	15.26	15.20	15.16			
3	QPSK	15	0	15.29	15.15	15.19			
3	16QAM	1	0	15.09	15.23	15.31			
3	16QAM	1	8	15.22	15.10	15.10	16.5	0	
3	16QAM	1	14	15.09	15.11	15.21			
3	16QAM	8	0	15.22	15.24	15.23			
3	16QAM	8	4	15.21	15.11	15.11	16.5	0	
3	16QAM	8	7	15.23	15.23	15.22			
3	16QAM	15	0	15.30	15.11	15.09			
3	64QAM	1	0	15.16	15.16	15.03			
3	64QAM	1	8	15.24	15.14	15.09	16.5	0	
3	64QAM	1	14	15.10	15.19	15.09			
3	64QAM	8	0	15.23	15.05	15.16			
3	64QAM	8	4	15.22	15.31	15.15	16.5	0	
3	64QAM	8	7	15.18	15.11	15.15			
3	64QAM	15	0	15.22	15.24	15.12			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	15.15	15.09	14.77			
1.4	QPSK	1	3	15.16	14.99	14.76	16.5	0	
1.4	QPSK	1	5	15.07	14.95	14.74			
1.4	QPSK	3	0	15.09	14.96	14.78			
1.4	QPSK	3	1	15.09	15.05	14.85			
1.4	QPSK	3	3	15.14	14.99	14.70	16.5	0	
1.4	QPSK	6	0	15.19	15.07	14.81			
1.4	16QAM	1	0	15.02	15.16	15.24			
1.4	16QAM	1	3	15.24	15.13	14.95	16.5	0	
1.4	16QAM	1	5	14.99	15.06	15.35			
1.4	16QAM	3	0	15.17	15.09	14.88			
1.4	16QAM	3	1	15.26	15.01	14.81	16.5	0	
1.4	16QAM	3	3	15.14	15.02	14.84			
1.4	16QAM	6	0	15.31	15.17	14.94			
1.4	64QAM	1	0	15.09	15.21	15.04			
1.4	64QAM	1	3	15.04	14.79	14.84	16.5	0	
1.4	64QAM	1	5	15.14	14.84	15.16			
1.4	64QAM	3	0	15.09	14.94	15.17			
1.4	64QAM	3	1	14.84	14.88	14.74	16.5	0	
1.4	64QAM	3	3	15.10	15.21	14.78			
1.4	64QAM	6	0	15.19	14.81	14.93			

Band 4 (AWS Band)									
Part 27L (only on channel required)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	15.32	15.50	15.29			
20	QPSK	1	49	15.40	15.26	15.31	17	0	
20	QPSK	1	99	15.40	15.12	15.31			
20	QPSK	50	0	15.25	15.44	15.43			
20	QPSK	50	24	15.31	15.23	15.29	17	0	
20	QPSK	50	50	15.36	15.40	15.40			
20	QPSK	100	0	15.32	15.42	15.41			
20	16QAM	1	0	15.18	15.29	15.47			
20	16QAM	1	49	15.47	15.29	15.40	17	0	
20	16QAM	1	99	15.23	15.29	15.27			
20	16QAM	50	0	15.09	15.10	15.34			
20	16QAM	50	24	15.22	15.22	15.23	17	0	
20	16QAM	50	50	15.21	15.24	15.33			
20	16QAM	100	0	15.33	15.22	15.33			
20	16QAM	1	0	15.33	15.09	15.27			
20	64QAM	1	49	15.18	15.07	15.10	17	0	
20	64QAM	1	99	15.22	15.20	15.23			
20	64QAM	50	0	15.34	15.15	15.22			
20	64QAM	50	24	15.10	15.19	15.23	17	0	
20	64QAM	50	50	15.06	15.18	15.27			
20	64QAM	100	0	15.18	15.15	15.33			
Channel									
Frequency (MHz)									
15	QPSK	1	0	15.17	15.32	15.35	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	37	15.09	15.43	15.15	17	0	
15	QPSK	1	74	15.02	15.07	15.06			
15	QPSK	36	0	15.17	15.16	15.39			
15	QPSK	36	20	15.24	15.15	15.43	17	0	
15	QPSK	36	39	15.17	15.19	15.17			
15	QPSK	75	0	15.26	15.12	15.17			
15	16QAM	1	0	15.34	15.31	15.24	17	0	
15	16QAM	1	37	15.06	15.24	15.15			
15	16QAM	1	74	15.08	15.14	15.32			
15	16QAM	36	0	15.24	15.15	15.34	17	0	
15	16QAM	36	20	15.22	15.28	15.41			
15	16QAM	36	39	15.26	15.27	15.06	17	0	
15	16QAM	75	0	15.28	15.20	15.08			
15	64QAM	1	0	15.21	15.06	15.19			
15	64QAM	1	37	15.15	15.06	15.16	17	0	
15	64QAM	1	74	15.22	15.04	15.17			
15	64QAM	36	0	15.09	15.24	15.30			
15	64QAM	36	20	15.39	15.20	15.36	17	0	
15	64QAM	36	39	15.22	15.12	15.35			
15	64QAM	75	0	15.14	15.30	15.31			
Channel									
Frequency (MHz)									
10	QPSK	1	0	15.19	15.29	15.28	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	25	15.01	15.30	15.37			
10	QPSK	1	49	15.33	15.41	15.07			
10	QPSK	25	0	15.38	15.38	15.39	17	0	
10	QPSK	25	12	15.32	15.36	15.43			
10	QPSK	25	25	15.41	15.23	15.43	17	0	
10	QPSK	50	0	15.41	15.23	15.43			
10	16QAM	1	0	15.06	15.38	15.42	17	0	
10	16QAM	1	25	15.19	15.41	15.14			
10	16QAM	1	49	15.17	15.48	15.36			
10	16QAM	25	0	15.35	15.22	15.06	17	0	
10	16QAM	25	12	15.15	15.32	15.38			
10	16QAM	25	25	15.38	15.18	15.22	17	0	
10	16QAM	50	0	15.36	15.45	15.19			
10	64QAM	1	0	15.20	15.19	15.17			
10	64QAM	1	25	15.45	15.29	15.42	17	0	
10	64QAM	1	49	15.21	15.21	15.22			
10	64QAM	25	0	15.21	15.23	15.28	17	0	
10	64QAM	25	12	15.14	15.15	15.33			
10	64QAM	25	25	15.16	15.24	15.22			
10	64QAM	50	0	15.22	15.25	15.14			
Channel									
Frequency (MHz)									
5	QPSK	1	0	15.34	15.22	15.45	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	12	15.47	15.35	15.44	17	0	
5	QPSK	1	24	15.26	15.19	15.40			
5	QPSK	12	0	15.43	15.35	15.17			
5	QPSK	12	7	15.43	15.46	15.19	17	0	
5	QPSK	12	13	15.41	15.40	15.49			
5	QPSK	25	0	15.45	15.34	15.48			
5	16QAM	1	0	15.19	15.19	15.19	17	0	
5	16QAM	1	12	15.15	15.42	15.06			
5	16QAM	1	24	15.25	15.40	15.49			
5	16QAM	12	7	15.37	15.32	15.43	17	0	
5	16QAM	12	13	15.32	15.36	15.12			
5	16QAM	25	0	15.45	15.35	15.12			
5	64QAM	1	0	15.25	15.29	15.32	17	0	
5	64QAM	1	12	15.14	15.16	15.02			
5	64QAM	1	24	15.14	15.04	15.29			
5	64QAM	12	7	15.21	15.15	15.02			
5	64QAM	12	13	15.33	15.14	15.27	17	0	
5	64QAM	12	13	15.15	15.07	15.35			
5	64QAM	25	0	15.17	15.10	15.30			
Channel									
Frequency (MHz)									
3	QPSK	1	0	15.30	15.24	15.06	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	8	15.20	15.41	15.07	17	0	
3	QPSK	1	14	15.26	15.36	15.34			
3	QPSK	8	0	15.34	15.26	15.45	17	0	
3	QPSK	8	4	15.36	15.42	15.07			
3	QPSK	8	7	15.32	15.42	15.06			
3	QPSK	15	0	15.32	15.33	15.05			
3	16QAM	1	0	15.42	15.41	15.19	17	0	
3	16QAM	1	8	15.29	15.17	15.12			
3	16QAM	1	14	15.37	15.42	15.41			
3	16QAM	8	0	15.26	15.17	15.31	17	0	
3	16QAM	8	4	15.22	15.16	15.32			
3	16QAM	8	7	15.16	15.09	15.24			
3	16QAM	15	0	15.21	15.17	15.25			
3	64QAM	1	0	15.22	15.16	15.22	17	0	
3	64QAM	1	8	15.11	15.10	15.09			
3	64QAM	1	14	15.11	15.09	15.27			
3	64QAM	8	0	15.35	15.31	15.44	17	0	
3	64QAM	8	4	15.17	15.43	15.07			
3	64QAM	8	7	15.38	15.22	15.12			
3	64QAM	15	0	15.44	15.29	15.19			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	17.07	17.23	17.53	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	3	15.01	15.16	15.18	17	0	
1.4	QPSK	1	5	15.03	15.04	15.17			
1.4	QPSK	3	0	15.18	15.08	15.28			
1.4	QPSK	3	3	15.16	15.19	15.38			
1.4	QPSK	3	6	15.17	15.12	15.30	17	0	
1.4	QPSK	6	0	15.19	15.17	15.28			
1.4	16QAM	1	0	15.18	15.38	15.35			
1.4	16QAM	1	3	15.24	15.42	15.18	17	0	
1.4	16QAM	1	5	15.43	15.41	15.48			
1.4	16QAM	3	0	15.29	15.25	15.43			
1.4	16QAM	3	1	15.28	15.31	15.35			
1.4	16QAM	3	3	15.23	15.24	15.40	17	0	
1.4	16QAM	6	0	15.40	15.38	15.28			
1.4	64QAM	1	0	15.10	15.11	15.25			
1.4	64QAM	1	3	15.33	15.12	15.21	17	0	
1.4	64QAM	1	5	15.21	15.23	15.01			
1.4	64QAM	3	0	15.12	15.13	15.37			
1.4	64QAM	3	1	15.40	15.12	15.23			
1.4	64QAM	3	3	15.12	15.20	15.23			
1.4	64QAM	6	0	15.14	15.18	15.23	17	0	

Band 25 (1900MHz Band)											
Part 24E											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	15.67	15.95	15.75	16.5	0			
20	QPSK	1	49	15.87	15.78	15.67					
20	QPSK	1	99	15.77	15.65	15.87					
20	QPSK	50	0	15.73	15.91	15.75					
20	QPSK	50	24	15.83	15.76	15.83	16.5	0			
20	QPSK	50	50	15.85	15.72	15.90					
20	QPSK	100	0	15.85	15.80	15.79					
20	16QAM	1	0	15.72	15.87	15.69					
20	16QAM	1	49	15.81	15.91	15.72	16.5	0			
20	16QAM	1	99	15.85	15.50	15.63					
20	16QAM	50	0	15.59	15.56	15.65					
20	16QAM	50	24	15.58	15.57	15.75					
20	16QAM	50	50	15.50	15.69	15.75	16.5	0			
20	16QAM	100	0	15.58	15.53	15.50					
20	64QAM	1	0	15.78	15.68	15.93					
20	64QAM	1	49	15.48	15.91	15.59					
20	64QAM	1	99	15.61	15.64	15.46	16.5	0			
20	64QAM	50	0	15.46	15.41	15.71					
20	64QAM	50	24	15.66	15.50	15.89					
20	64QAM	50	50	15.51	15.64	15.57					
20	64QAM	100	0	15.50	15.46	15.66	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
15	QPSK	1	0	15.57	15.57	15.57	16.5	0			
15	QPSK	1	37	15.39	15.49	15.55					
15	QPSK	1	74	15.47	15.60	15.67					
15	QPSK	36	0	15.72	15.67	15.65					
15	QPSK	36	20	15.71	15.75	15.89	16.5	0			
15	QPSK	36	39	15.60	15.69	15.77					
15	QPSK	75	0	15.70	15.67	15.67					
15	16QAM	1	0	15.62	15.61	15.69					
15	16QAM	1	37	15.82	15.54	15.55	16.5	0			
15	16QAM	1	74	15.70	15.66	15.51					
15	16QAM	36	0	15.46	15.46	15.54					
15	16QAM	36	20	15.57	15.53	15.59					
15	16QAM	36	39	15.51	15.47	15.69	16.5	0			
15	16QAM	75	0	15.48	15.59	15.46					
15	64QAM	1	0	15.41	15.22	15.37					
15	64QAM	1	37	15.37	15.33	15.68					
15	64QAM	1	74	15.54	15.21	15.68	16.5	0			
15	64QAM	36	0	15.63	15.38	15.50					
15	64QAM	36	20	15.57	15.46	15.59					
15	64QAM	36	39	15.58	15.32	15.68					
15	64QAM	75	0	15.78	15.54	15.55	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	15.65	15.63	15.46	16.5	0			
10	QPSK	1	25	15.63	15.70	15.94					
10	QPSK	1	49	15.58	15.75	15.74					
10	QPSK	25	0	15.86	15.78	15.75					
10	QPSK	25	12	15.83	15.90	15.45	16.5	0			
10	QPSK	25	25	15.87	15.85	15.94					
10	QPSK	50	0	15.62	15.61	15.77					
10	16QAM	1	0	15.64	15.53	15.74					
10	16QAM	1	25	15.68	15.90	15.92	16.5	0			
10	16QAM	1	49	15.53	15.80	15.56					
10	16QAM	25	0	15.78	15.55	15.61					
10	16QAM	25	12	15.62	15.96	15.73					
10	16QAM	25	25	15.57	15.70	15.71	16.5	0			
10	16QAM	50	0	15.67	15.60	15.49					
10	64QAM	1	0	15.54	15.48	15.46					
10	64QAM	1	25	15.53	15.60	15.49					
10	64QAM	1	49	15.31	15.56	15.81	16.5	0			
10	64QAM	25	0	15.54	15.53	15.78					
10	64QAM	25	12	15.69	15.56	15.50					
10	64QAM	25	25	15.61	15.46	15.91					
10	64QAM	50	0	15.57	15.49	15.61	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
5	QPSK	1	0	15.65	15.47	15.59	16.5	0			
5	QPSK	1	12	15.55	15.53	15.59					
5	QPSK	1	24	15.51	15.57	15.54					
5	QPSK	12	0	15.61	15.65	15.70					
5	QPSK	12	7	15.63	15.57	15.73	16.5	0			
5	QPSK	12	13	15.58	15.60	15.64					
5	QPSK	25	0	15.64	15.56	15.76					
5	16QAM	1	0	15.38	15.31	15.19					
5	16QAM	1	12	15.12	15.01	15.02	16.5	0			
5	16QAM	1	24	15.01	15.34	15.33					
5	16QAM	12	0	15.75	15.65	15.60					
5	16QAM	12	7	15.56	15.61	15.76					
5	16QAM	12	13	15.56	15.61	15.62	16.5	0			
5	16QAM	25	0	15.57	15.73	15.62					
5	64QAM	1	0	15.75	15.42	15.48					
5	64QAM	1	12	15.78	15.56	15.54					
5	64QAM	1	24	15.53	15.61	15.59	16.5	0			
5	64QAM	12	0	15.56	15.51	15.75					
5	64QAM	12	7	15.57	15.64	15.73					
5	64QAM	12	13	15.72	15.60	15.58					
5	64QAM	25	0	15.46	15.54	15.70	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
3	QPSK	1	0	15.47	15.45	15.50	16.5	0			
3	QPSK	1	8	15.59	15.50	15.68					
3	QPSK	1	14	15.58	15.57	15.69					
3	QPSK	8	0	15.83	15.52	15.66					
3	QPSK	8	4	15.66	15.59	15.63	16.5	0			
3	QPSK	8	7	15.57	15.54	15.63					
3	QPSK	15	0	15.56	15.56	15.63					
3	16QAM	1	0	15.48	15.23	15.34					
3	16QAM	1	8	15.55	15.54	15.46	16.5	0			
3	16QAM	1	14	15.44	15.29	15.46					
3	16QAM	8	0	15.69	15.66	15.75					
3	16QAM	8	4	15.74	15.54	15.75					
3	16QAM	8	7	15.76	15.64	15.80	16.5	0			
3	16QAM	15	0	15.58	15.57	15.65					
3	64QAM	1	0	15.75	15.94	15.88					
3	64QAM	1	8	15.90	15.49	15.67					
3	64QAM	1	14	15.53	15.71	15.66	16.5	0			
3	64QAM	8	0	15.77	15.63	15.94					
3	64QAM	8	4	15.66	15.75	15.54					
3	64QAM	8	7	15.94	15.75	15.61					
3	64QAM	15	0	15.53	15.64	15.61	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	15.49	15.50	15.10	16.5	0			
1.4	QPSK	1	3	15.51	15.17	15.18					
1.4	QPSK	1	3	15.32	15.01	15.13					
1.4	QPSK	3	0	15.42	15.00	15.17					
1.4	QPSK	3	1	15.42	15.10	15.13	16.5	0			
1.4	QPSK	3	3	15.27	15.03	15.12					
1.4	QPSK	6	0	15.56	15.06	15.24					
1.4	16QAM	1	0	15.72	15.50	15.30					
1.4	16QAM	1	3	15.36	15.44	15.76	16.5	0			
1.4	16QAM	1	5	15.78	15.49	15.31					
1.4	16QAM	3	0	15.56	15.21	15.32					
1.4	16QAM	3	1	15.52	15.34	15.39					
1.4	16QAM	3	3	15.58	15.16	15.19	16.5	0			
1.4	16QAM	6	0	15.54	15.24	15.36					
1.4	64QAM	1	0	15.34	15.30	15.32					
1.4	64QAM	1	3	15.32	15.37	15.34					
1.4	64QAM	1	5	15.62	15.42	15.32	16.5	0			
1.4	64QAM	3	0	15.15	15.10	15.32					
1.4	64QAM	3	1	15.19	15.32	15.07					
1.4	64QAM	3	3	15.07	15.11	15.39	16.5	0			
1.4	64QAM	6	0	15.17	15.24	15.10					
1.4	64QAM	6	0	15.17	15.24	15.10					



Band 38(only on channel required)										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel										
Frequency [MHz]				2580	2556	2610				
20	QPSK	1	0	15.58	15.54	15.79				
20	QPSK	1	49	15.72	15.62	15.81	17	0		
20	QPSK	1	99	15.86	15.68	15.73				
20	QPSK	50	0	15.54	15.68	15.78				
20	QPSK	50	24	15.70	15.74	15.80				
20	QPSK	50	50	15.56	15.68	15.80	17	0		
20	QPSK	100	0	15.71	15.67	15.81				
20	16QAM	1	0	15.89	15.80	15.87				
20	16QAM	1	49	15.70	15.80	15.89	17	0		
20	16QAM	1	99	15.82	15.74	15.90				
20	16QAM	50	0	15.56	15.71	15.79				
20	16QAM	50	24	15.73	15.78	15.70	17	0		
20	16QAM	50	50	15.80	15.70	15.70				
20	16QAM	100	0	15.71	15.63	15.80				
20	64QAM	1	0	15.49	15.55	15.60				
20	64QAM	1	49	15.45	15.42	15.67	17	0		
20	64QAM	1	99	15.57	15.53	15.73				
20	64QAM	50	0	15.67	15.78	15.85				
20	64QAM	50	24	15.74	15.78	15.80				
20	64QAM	50	50	15.56	15.70	15.81	17	0		
20	64QAM	100	0	15.67	15.77	15.76				
Channel				37850	38050	38175	Turn-up limit (dBm)	MPR (dB)		
Frequency [MHz]				2580	2556	2610				
15	QPSK	1	0	15.77	15.86	15.83				
15	QPSK	1	37	15.76	15.84	15.91				
15	QPSK	1	74	15.70	15.82	15.91				
15	QPSK	36	0	15.77	15.82	15.87				
15	QPSK	36	20	15.80	15.88	15.92				
15	QPSK	36	39	15.83	15.87	15.92				
15	QPSK	75	0	15.80	15.88	15.93				
15	16QAM	1	0	15.81	15.81	15.81				
15	16QAM	1	37	15.81	15.83	15.79				
15	16QAM	1	74	15.61	15.85	15.97				
15	16QAM	36	0	15.57	15.80	15.92				
15	16QAM	36	20	15.59	15.88	15.81				
15	16QAM	36	39	15.57	15.83	15.84				
15	16QAM	75	0	15.61	15.89	15.81				
15	64QAM	1	0	15.67	15.61	15.61				
15	64QAM	1	37	15.66	15.62	15.72	17	0		
15	64QAM	1	74	15.51	15.69	15.68				
15	64QAM	36	0	15.57	15.75	15.82				
15	64QAM	36	20	15.61	15.77	15.66				
15	64QAM	36	39	15.59	15.70	15.81				
15	64QAM	75	0	15.68	15.70	15.84				
Channel				37800	38050	38200	Turn-up limit (dBm)	MPR (dB)		
Frequency [MHz]				2580	2556	2610				
10	QPSK	1	0	15.80	15.82	15.81				
10	QPSK	1	25	15.83	15.83	15.82	17	0		
10	QPSK	1	49	15.80	15.86	15.91				
10	QPSK	25	0	15.71	15.75	15.91				
10	QPSK	25	12	15.69	15.70	15.84				
10	QPSK	25	25	15.58	15.76	15.85	17	0		
10	QPSK	50	0	15.67	15.74	15.90				
10	16QAM	1	0	15.78	15.77	15.82				
10	16QAM	1	25	15.78	15.82	15.80				
10	16QAM	1	49	15.80	15.86	15.90	17	0		
10	16QAM	25	0	15.70	15.80	15.80				
10	16QAM	25	12	15.73	15.72	15.86				
10	16QAM	25	25	15.70	15.79	15.88				
10	16QAM	50	0	15.75	15.78	15.88				
10	16QAM	50	12	15.74	15.83	15.83	17	0		
10	64QAM	1	0	15.86	15.80	15.78				
10	64QAM	1	25	15.84	15.82	15.83				
10	64QAM	1	49	15.53	15.75	15.79				
10	64QAM	25	0	15.80	15.82	15.89				
10	64QAM	25	12	15.81	15.81	15.81				
10	64QAM	25	25	15.82	15.81	15.82				
10	64QAM	50	0	15.80	15.80	15.80				
Channel				37775	38050	38225	Turn-up limit (dBm)	MPR (dB)		
Frequency [MHz]				25815	2556	2610				
5	QPSK	1	0	15.65	15.70	15.83				
5	QPSK	1	12	15.73	15.87	15.86	17	0		
5	QPSK	1	24	15.94	15.74	15.81				
5	QPSK	12	0	15.72	15.74	15.80				
5	QPSK	12	7	15.86	15.81	15.77				
5	QPSK	25	0	15.81	15.75	15.80				
5	16QAM	1	0	15.87	15.82	15.78				
5	16QAM	1	12	15.80	15.81	15.80				
5	16QAM	1	24	15.90	15.89	15.80				
5	16QAM	12	0	15.76	15.86	15.87				
5	16QAM	12	7	15.84	15.73	15.89				
5	16QAM	12	13	15.78	15.71	15.86				
5	16QAM	25	0	15.84	15.75	15.80				
5	64QAM	1	0	15.78	15.80	15.82				
5	64QAM	1	12	15.70	15.80	15.82				
5	64QAM	1	24	15.70	15.86	15.73				
5	64QAM	12	7	15.82	15.86	15.80				
5	64QAM	12	13	15.84	15.80	15.81				
5	64QAM	25	0	15.77	15.88	15.80	17	0		

Band 41 (2.6G Band)										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low-Mid Ch./Freq.	Power Mid-High Ch./Freq.	Power High-Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				38970	40185	40620	41055	41490	Turn-up limit (dBm)	MPR (dB)
20	QPSK	1	0	15.06	15.03	15.31	15.20	15.05		
20	QPSK	1	49	15.08	15.05	15.33	15.14	15.05	17	0
20	QPSK	1	99	15.05	15.00	15.01	15.05	15.12		
20	QPSK	50	0	15.89	15.92	15.89	15.85	15.83		
20	QPSK	50	24	15.88	15.84	15.82	15.83	15.80		
20	QPSK	100	0	15.79	15.80	15.83	15.80	15.80	17	0
20	QPSK	100	0	15.74	15.84	15.83	15.81	15.84		
20	16QAM	1	0	15.87	15.82	15.65	15.60	15.14		
20	16QAM	1	49	15.80	15.84	15.81	15.10	15.82		
20	16QAM	1	99	15.77	15.72	15.89	15.11	15.12	17	0
20	16QAM	50	0	15.79	15.86	15.85	15.80	15.81		
20	16QAM	50	24	15.83	15.85	15.81	15.80	15.81		
20	16QAM	50	50	15.81	15.83	15.86	15.84	15.82		
20	16QAM	100	0	15.86	15.88	15.82	15.83	15.86		
20	64QAM	1	0	15.95	15.96	15.86	15.83	15.87		
20	64QAM	1	49	15.93	15.73	15.84	15.80	15.87	17	0
20	64QAM	1	99	15.80	15.85	15.84	15.80	15.87		
20	64QAM	50	0	15.93	15.94	15.79	15.87	15.95		
20	64QAM	50	24	15.82	15.83	15.87	15.13	15.84		
20	64QAM	50	50	15.80	15.79	15.80	15.14	15.83		
20	64QAM	100	0	15.85	15.80	15.87	15.13	15.95		
Channel				38975	40173	40620	41056	41515	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				38975	40173	40620	41056	41515	Turn-up limit (dBm)	MPR (dB)
15	QPSK	1	0	15.77	15.75	15.99	15.89	15.81		
15	QPSK	1	37	15.78	15.75	15.75	15.82	15.79		
15	QPSK	1	75	15.76	15.81	15.87	15.81	15.71		
15	QPSK	36	0	15.89	15.89	15.86	15.81	15.84		
15	QPSK	36	20	15.89	15.76	15.85	15.80	15.86		
15	QPSK	36	56	15.91	15.87	15.87	15.86	15.82		
15	QPSK	75	0	15.77	15.82	15.95	15.86	15.95		
15	QPSK	75	37	15.76	15.81	15.87	15.81	15.69		
15	16QAM	1	37	15.91	15.75	15.90	15.86	15.81		
15	16QAM	1	74	15.81	15.88	15.85	15.87	15.95		
15	16QAM	1	111	15.82	15.81	15.86	15.81	15.59		
15	16QAM	36	0	15.80	15.81	15.91	15.87	15.93		
15	16QAM	36	39	15.78	15.96	15.84	15.82	15.81		
15	16QAM	36	75	15.88	15.76	15.82	15.80	15.50		
15	16QAM	1	49	15.87	15.87	15.74	15.86	15.89		
15	16QAM	1	97	15.99	15.73	15.75	15.86	15.71	17	0
15	16QAM	1	145	15.89	15.84	15.85	15.83	15.48		
15	64QAM	1	37	15.90	15.73	15.88	15.81	15.96		
15	64QAM	1	74	15.82	15.80	15.82	15.80	15.86		
15	64QAM	36	0	15.92	15.90	15.88	15.87	15.96		
15	64QAM	36	20	15.92	15.86	15.84	15.77	15.99		
15	64QAM	36	56	15.94	15.84	15.85	15.81	15.84	17	0
15	64QAM	75	0	15.90	15.91	15.83	15.86	15.93		
Channel				38970	40160	40620	41086	41540	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				38970	40160	40620	41086	41540	Turn-up limit (dBm)	MPR (dB)
10	QPSK	1	0	15.75	15.58	15.98	15.92	15.96		
10	QPSK	1	25	15.94	15.60	15.93	15.89	15.80	17	0
10	QPSK	1	50	15.85	15.63	15.93	15.85	15.81		
10	QPSK	25	0	15.65	15.86	15.81	15.89	15.89		
10	QPSK	25	12	15.84	15.86	15.81	15.90	15.88		
10	QPSK	25	25	15.80	15.75	15.82	15.81	15.82		
10	QPSK	50	0	15.81	15.86	15.69	15.82	15.98		
10	16QAM	1	0	15.87	15.65	15.84	15.84	15.88		
10	16QAM	1	25	15.87	15.68	15.82	15.82	15.81		
10	16QAM	1	49	15.87	15.78	15.82	15.83	15.95		
10	16QAM	25	0	15.97	15.75	15.89	15.82	15.82		
10	16QAM	25	12	15.73	15.69	15.89	15.80	15.80		
10	16QAM	25	25	15.73	15.93	15.77	15.87	15.79		
10	64QAM	1	0	15.96	15.65	15.79	15.86	15.96		
10	64QAM	1	25	15.91	15.81	15.85	15.87	15.84		
10	64QAM	1	26	15.79	15.86	15.63	15.71	15.73	17	0
10	64QAM	25	0	15.80	15.62	15.89	15.86	15.86		
10	64QAM	25	12	15.91	15.61	15.81	15.98	15.10		
10	64QAM	25	25	15.82	15.53	15.82	15.82	15.82	17	0
10	64QAM	50	0	15.85	15.85	15.85	15.90	15.90		
Channel				38975	40148	40620	41093	41565	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				38975	40148	40620	41093	41565	Turn-up limit (dBm)	MPR (dB)
5	QPSK	1	0	15.65	15.70	15.83	15.84	15.85		
5	QPSK	1	12	15.73	15.82	15.74	15.86	15.75	17	0
5	QPSK	1	24	15.84	15.74	15.81	15.81	15.73		
5	QPSK	12	0	15.72	15.71	15.90	15.91	15.82		
5	QPSK	12	7	15.86	15.81	15.77	15.86	15.75		
5	QPSK	12	14	15.87	15.77	15.84	15.84	15.88		
5	QPSK	25	0	15.81	15.75	15.80	15.86	15.81		
5	16QAM	1	0	15.97	15.92	15.78	15.82	15.80		
5	16QAM	1	12	15.82	15.91	15.81	15.81	15.82	17	0
5	16QAM	1	24	15.96	15.90	15.90	15.90	15.84		
5	16QAM	12	0	15.75	15.86	15.87	15.86	15.79		
5	16QAM	12	7	15.84	15.73	15.84	15.84	15.84		
5	16QAM	12	13	15.84	15.71	15.88	15.86	15.90	17	0
5	16QAM	25	0	15.84	15.75	15.80	15.86	15.92		
5	16QAM	25	7	15.79	15.84	15.84	15.84	15.79		
5	64QAM	1	12	15.79	15.80	15.65	15.77	15.84		
5	64QAM	24	0	15.70	15.60	15.73	15.91	15.84		
5	64QAM	12	0	15.92	15.86	15.86	15.86	15.81		
5	64QAM	12	7	15.92	15.89	15.95	15.99	15.98		
5	64QAM	12	15	15.94	15.86	15.81	15.77	15.80	17	0
5	64QAM	25	0	15.77	15.98	15.89	15.93	15.87		

Reduced power Mode for Handheld On for ANT1

Band		WCDMA 1			WCDMA 4						
TX Channel		9562	9600	9638	Tune-up Limit (dBm)		1312	1413	1513	Tune-up Limit (dBm)	
Rx Channel		9562	9600	9638			1312	1413	1513		
Frequency (MHz)		152.4	150	150.4			172.4	172.3	172.3		
3GPP Rel 99	AMR 12.2kbps	18.95	18.90	18.93	20.50	18.44	18.49		18.34	20.00	
3GPP Rel 99	RMC 12.2kbps	18.95	18.97	18.84	20.50	18.48	18.59		18.51	20.00	
3GPP Rel 6	HSDPA Subtest-1	17.93	17.78	17.75	19.50	18.15	18.08		18.14	19.00	
3GPP Rel 6	HSDPA Subtest-2	17.86	17.81	17.76	19.50	18.12	18.40		18.08	19.00	
3GPP Rel 6	HSDPA Subtest-3	17.38	17.33	17.28	19.00	17.58	17.59		17.61	18.50	
3GPP Rel 6	HSDPA Subtest-4	17.39	17.34	17.25	19.00	17.58	17.83		17.82	18.50	
3GPP Rel 8	DC-HSDPA Subtest-1	17.91	17.77	17.77	19.50	18.22	18.18		18.23	19.00	
3GPP Rel 8	DC-HSDPA Subtest-2	17.84	17.80	17.73	19.50	18.09	18.40		18.07	19.00	
3GPP Rel 8	DC-HSDPA Subtest-3	17.38	17.25	17.25	19.00	17.55	17.84		17.80	18.50	
3GPP Rel 8	DC-HSDPA Subtest-4	17.33	17.31	17.23	19.00	17.55	17.84		17.81	18.50	
3GPP Rel 6	HSUPA Subtest-1	17.93	18.01	17.78	19.50	18.24	18.24		18.23	19.00	
3GPP Rel 6	HSUPA Subtest-2	15.99	15.91	15.90	17.50	16.27	16.23		16.34	17.00	
3GPP Rel 6	HSUPA Subtest-3	16.81	16.77	16.64	18.50	17.26	17.25		17.32	18.00	
3GPP Rel 6	HSUPA Subtest-4	15.90	15.79	15.72	17.50	16.26	16.16		16.30	17.00	
3GPP Rel 6	HSUPA Subtest-5	18.10	18.20	18.20	19.00	18.28	18.18		18.40	19.00	

Band		CDMA BC1			Tune-up Limit (dBm)	
TX Channel		25	600	1175		
Frequency (MHz)		165.25	160	160.75		
RC1 SO55		21.0	21.30	21.14	22.00	
RC3 SO55		21.10	21.31	21.15	22.00	
RC3 SO52 (F+SCH)		21.25	21.11	21.20	22.00	
RC3 SO52 (F+SCH)		21.26	21.11	21.05	22.00	
RETAP 153.6kbps		20.97	21.25	21.14	22.00	
RETAP 4096bits		20.98	21.21	21.02	22.00	

Band 2 (1900MHz Band)											
Part 24E											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				18700	18800	19000					
Frequency (MHz)				18700	18800	19000					
20	QPSK	1	0	21.23	21.39	21.22	22.5	0			
20	QPSK	1	49	20.95	21.11	21.14					
20	QPSK	1	99	21.23	21.30	21.23					
20	QPSK	50	0	21.23	21.34	21.16					
20	QPSK	50	24	20.99	20.94	21.33	22.5	0			
20	QPSK	50	50	20.93	21.16	21.16					
20	QPSK	100	0	21.05	21.29	21.28					
20	16QAM	1	0	20.97	21.20	21.30					
20	16QAM	1	49	21.36	21.23	21.14	22.5	0			
20	16QAM	1	99	21.15	21.09	20.87					
20	16QAM	50	0	20.33	20.13	20.47					
20	16QAM	50	24	20.40	20.41	20.42					
20	16QAM	50	50	20.34	20.39	20.45	22	0.5			
20	16QAM	100	0	20.35	20.38	20.50					
20	64QAM	1	0	20.69	20.92	20.92					
20	64QAM	1	49	20.92	20.70	20.80					
20	64QAM	1	99	20.78	20.86	20.91	22	0.5			
20	64QAM	50	0	19.83	19.72	20.07					
20	64QAM	50	24	20.02	19.60	20.07					
20	64QAM	50	50	19.61	19.63	19.63					
20	64QAM	100	0	19.57	19.93	19.57	21	1.5			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				18675	18900	19125					
15	QPSK	1	0	21.15	20.96	21.02	22.5	0			
15	QPSK	1	37	21.09	20.96	21.00					
15	QPSK	1	74	20.79	20.89	20.79					
15	QPSK	36	0	21.05	21.06	21.08					
15	QPSK	36	20	21.12	21.11	20.91	22.5	0			
15	QPSK	36	39	20.97	21.12	20.96					
15	QPSK	75	0	21.38	21.09	21.14					
15	16QAM	1	0	20.99	20.88	21.07					
15	16QAM	1	37	20.87	21.08	21.22	22.5	0			
15	16QAM	1	74	20.88	21.37	21.14					
15	16QAM	36	0	20.33	20.22	20.56					
15	16QAM	36	20	20.37	20.41	20.49					
15	16QAM	36	39	20.35	20.33	20.22	22	0.5			
15	16QAM	75	0	20.42	20.37	20.06					
15	64QAM	1	0	20.91	20.97	20.74					
15	64QAM	1	37	20.84	20.57	20.83					
15	64QAM	1	74	20.59	20.71	20.54	22	0.5			
15	64QAM	36	0	19.59	19.63	19.66					
15	64QAM	36	20	19.57	19.55	19.80					
15	64QAM	36	39	19.63	19.51	19.67					
15	64QAM	75	0	19.64	19.68	19.66	21	1.5			
Channel				18625	18900	19150	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				18625	18900	19150					
10	QPSK	1	0	21.02	21.01	21.34	22.5	0			
10	QPSK	1	25	21.11	21.20	21.07					
10	QPSK	1	49	20.98	21.07	21.30					
10	QPSK	25	0	21.25	21.23	21.35					
10	QPSK	25	12	21.19	21.15	21.34	22.5	0			
10	QPSK	25	25	21.13	21.20	21.26					
10	QPSK	50	0	21.18	21.11	21.22					
10	16QAM	1	0	21.37	21.03	21.02					
10	16QAM	1	25	21.24	21.12	21.11	22.5	0			
10	16QAM	1	49	21.05	21.26	21.23					
10	16QAM	25	0	20.55	20.55	20.46					
10	16QAM	25	12	20.54	20.42	20.53					
10	16QAM	25	25	20.36	20.26	20.58	22	0.5			
10	16QAM	50	0	20.47	20.34	20.56					
10	64QAM	1	0	20.49	20.65	20.58					
10	64QAM	1	25	20.72	20.36	20.46					
10	64QAM	1	49	20.54	20.57	20.80	21	1.5			
10	64QAM	25	0	20.49	19.79	19.79					
10	64QAM	25	12	19.76	19.71	19.71					
10	64QAM	25	25	20.21	20.18	19.79					
10	64QAM	50	0	19.82	19.73	19.68	22	0.5			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1852.5	1880	1907.5					
5	QPSK	1	0	21.36	21.10	21.16	22.5	0			
5	QPSK	1	12	21.21	21.07	21.27					
5	QPSK	1	24	21.15	21.08	21.03					
5	QPSK	12	0	21.35	21.17	21.32					
5	QPSK	12	7	21.26	21.19	21.26	22.5	0			
5	QPSK	12	13	21.16	21.10	21.22					
5	QPSK	25	0	21.25	21.11	21.21					
5	16QAM	1	0	21.21	21.09	21.23					
5	16QAM	1	12	21.11	21.09	21.17	22.5	0			
5	16QAM	1	24	21.18	21.20	21.23					
5	16QAM	12	0	20.59	20.31	20.61					
5	16QAM	12	7	20.51	20.54	20.51					
5	16QAM	12	13	20.33	20.35	20.40	22	0.5			
5	16QAM	25	0	20.51	20.41	20.59					
5	64QAM	1	0	21.04	20.94	20.98					
5	64QAM	1	12	21.00	20.54	20.98					
5	64QAM	1	24	21.02	20.85	21.01	22	0.5			
5	64QAM	12	0	19.80	19.68	19.79					
5	64QAM	12	7	19.68	19.73	19.71					
5	64QAM	12	13	19.77	19.65	19.66					
5	64QAM	25	0	20.10	20.16	20.15	21	1.5			
Channel				18515	18910	19165	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1851.5	1880	1908.5					
3	QPSK	1	0	21.25	21.19	21.17	22.5	0			
3	QPSK	1	8	21.32	21.09	21.16					
3	QPSK	1	14	21.18	21.02	21.15					
3	QPSK	8	0	21.23	21.21	21.36					
3	QPSK	8	4	21.37	21.13	21.30	22.5	0			
3	QPSK	8	7	21.18	21.17	21.14					
3	QPSK	15	0	21.31	21.21	21.17					
3	16QAM	1	0	21.34	21.12	21.21					
3	16QAM	1	8	21.23	21.30	21.20	22.5	0			
3	16QAM	1	14	21.22	21.29	21.23					
3	16QAM	8	0	20.70	20.38	20					

Band 25 (1900MHz Band)									
Part 24E									
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	26340	26900
20	QPSK	1	0	21.34	21.40	21.32	22.5	0	
20	QPSK	1	49	21.35	21.33	21.15			
20	QPSK	1	99	21.07	21.03	21.32			
20	QPSK	50	0	21.23	21.34	21.30			
20	QPSK	50	24	21.13	21.14	21.27			
20	QPSK	50	50	21.12	21.16	21.24	22.5	0	
20	QPSK	100	0	21.12	21.32	21.31			
20	16QAM	1	0	21.04	21.09	20.96			
20	16QAM	1	49	21.25	20.92	21.31			
20	16QAM	1	99	21.30	21.04	21.08			
20	16QAM	50	0	20.37	20.28	20.62	22	0.5	
20	16QAM	50	24	20.48	20.50	20.54			
20	16QAM	50	50	20.27	20.49	20.52			
20	16QAM	100	0	20.51	20.41	20.37			
20	64QAM	1	0	20.90	20.71	20.50			
20	64QAM	1	49	20.79	20.49	20.49	22	0.5	
20	64QAM	1	99	20.46	20.80	20.62			
20	64QAM	50	0	19.79	19.65	19.76			
20	64QAM	50	24	19.92	19.58	19.85			
20	64QAM	50	50	19.62	19.60	19.84			
20	64QAM	100	0	20.03	19.59	19.92	21	1.5	
Channel							26900	26340	26815
Frequency (MHz)							1857.5	1880	1907.5
15	QPSK	1	0	21.11	21.26	21.21	22.5	0	
15	QPSK	1	37	21.06	21.09	21.18			
15	QPSK	1	74	21.23	21.24	21.21			
15	QPSK	36	0	21.34	21.22	21.32			
15	QPSK	36	20	21.10	21.15	21.28			
15	QPSK	36	39	21.05	21.20	21.22	22.5	0	
15	QPSK	75	0	21.03	21.09	21.29			
15	16QAM	1	0	20.94	21.26	21.04			
15	16QAM	1	37	20.88	21.32	20.88			
15	16QAM	1	74	20.67	21.18	21.12			
15	16QAM	36	0	20.30	20.27	20.40	22	0.5	
15	16QAM	36	20	20.49	20.40	20.49			
15	16QAM	36	39	20.25	20.39	20.56			
15	16QAM	75	0	20.45	20.35	20.45			
15	64QAM	1	0	20.86	20.92	21.29			
15	64QAM	1	37	21.23	20.83	20.89	22	0.5	
15	64QAM	1	74	20.85	21.02	20.81			
15	64QAM	36	0	19.95	19.57	19.72			
15	64QAM	36	20	19.50	19.65	19.67			
15	64QAM	36	39	19.55	19.91	19.82			
15	64QAM	75	0	19.61	19.65	19.76	21	1.5	
Channel							26900	26340	26815
Frequency (MHz)							1855	1880	1910
10	QPSK	1	0	21.16	21.22	21.27	22.5	0	
10	QPSK	1	25	21.13	21.34	21.21			
10	QPSK	1	49	21.16	20.95	21.16			
10	QPSK	25	0	21.27	21.33	21.36			
10	QPSK	25	12	21.35	21.33	21.31			
10	QPSK	25	25	21.27	21.34	21.22	22.5	0	
10	QPSK	50	0	21.31	21.34	21.32			
10	16QAM	1	0	20.76	20.90	21.01			
10	16QAM	1	25	21.02	20.85	21.03			
10	16QAM	1	49	20.76	21.19	21.14			
10	16QAM	25	0	20.16	20.28	20.24	22	0.5	
10	16QAM	25	12	20.14	20.20	20.30			
10	16QAM	25	25	20.22	20.23	20.32			
10	16QAM	50	0	20.20	20.25	20.37			
10	64QAM	1	0	20.92	20.53	20.56			
10	64QAM	1	25	20.68	20.97	20.54	22	0.5	
10	64QAM	1	49	20.69	20.63	20.73			
10	64QAM	25	0	19.45	19.32	19.58			
10	64QAM	25	12	19.85	19.40	19.54			
10	64QAM	25	25	19.46	19.48	19.61			
10	64QAM	50	0	19.42	19.52	19.58	21	1.5	
Channel							26965	26340	26965
Frequency (MHz)							1852.5	1880	1912.5
5	QPSK	1	0	21.18	21.12	21.26	22.5	0	
5	QPSK	1	12	21.09	21.09	21.09			
5	QPSK	1	24	21.13	21.17	21.18			
5	QPSK	12	0	21.17	21.21	21.32			
5	QPSK	12	7	21.19	21.27	21.36			
5	QPSK	12	13	21.14	21.15	21.23	22.5	0	
5	QPSK	25	0	21.17	21.20	21.25			
5	16QAM	1	0	20.87	21.24	21.23			
5	16QAM	1	12	21.14	20.92	20.98			
5	16QAM	1	24	20.90	21.30	20.89			
5	16QAM	12	0	20.21	20.36	20.36	22	0.5	
5	16QAM	12	7	20.22	20.30	20.36			
5	16QAM	12	13	20.30	20.26	20.31			
5	16QAM	25	0	20.19	20.25	20.33			
5	64QAM	1	0	20.89	20.86	21.14			
5	64QAM	1	12	21.03	20.81	21.16	22	0.5	
5	64QAM	1	24	21.12	21.10	21.02			
5	64QAM	12	0	19.90	19.88	19.59			
5	64QAM	12	7	19.64	19.98	19.60			
5	64QAM	12	13	19.61	19.84	19.58			
5	64QAM	25	0	19.47	19.42	19.50	21	1.5	
Channel							26955	26340	26975
Frequency (MHz)							1851.5	1880	1913.5
3	QPSK	1	0	21.24	21.09	21.19	22.5	0	
3	QPSK	1	8	21.24	21.17	21.28			
3	QPSK	1	14	21.20	21.20	21.27			
3	QPSK	8	0	21.21	21.18	21.21			
3	QPSK	8	4	21.22	21.17	21.33			
3	QPSK	8	7	21.16	21.21	21.24	22.5	0	
3	QPSK	15	0	21.24	21.15	21.21			
3	16QAM	1	0	21.23	20.85	21.29			
3	16QAM	1	8	20.90	20.82	21.15			
3	16QAM	1	14	20.99	21.22	20.90			
3	16QAM	8	0	20.28	20.30	20.41	22	0.5	
3	16QAM	8	4	20.26	20.16	20.43			
3	16QAM	8	7	20.29	20.34	20.37			
3	16QAM	15	0	20.20	20.25	20.34			
3	64QAM	1	0	21.09	21.07	20.90			
3	64QAM	1	8	20.88	20.64	20.89	22	0.5	
3	64QAM	1	14	20.66	20.80	21.01			
3	64QAM	8	0	19.82	19.80	19.56			
3	64QAM	8	4	19.34	19.52	19.75			
3	64QAM	8	7	19.61	19.42	19.53			
3	64QAM	15	0	19.53	19.44	19.57	21	1.5	
Channel							26967	26340	26963
Frequency (MHz)							1850.7	1880	1914.3
1.4	QPSK	1	0	21.21	21.19	21.22	22.5	0	
1.4	QPSK	3	0	21.35	21.25	21.25			
1.4	QPSK	1	5	21.33	21.27	21.32			
1.4	QPSK	3	0	21.26	21.32	21.20			
1.4	QPSK	3	1	21.29	21.35	21.23			
1.4	QPSK	3	3	21.35	21.30	21.14	22.5	0	
1.4	QPSK	6	0	21.15	21.18	21.21			
1.4	16QAM	1	0	21.18	21.25	21.08			
1.4	16QAM	1	3	21.23	21.22	21.16			
1.4	16QAM	1	5	21.27	21.34	21.20			
1.4	16QAM	3	0	21.25	21.17	21.27	22.5	0	
1.4	16QAM	3	1	21.32	21.26	21.30			
1.4	16QAM	6	0	20.23	20.20	20.29			
1.4	64QAM	1	0	20.64	20.78	20.69			
1.4	64QAM	1	3	20.86	20.67	20.96			
1.4	64QAM	1	5	20.65	20.66	20.55	22	0.5	
1.4	64QAM	3	0	20.89	20.66	20.94			
1.4	64QAM	3	1	20.76	20.45	20.87			
1.4	64QAM	3	3	20.20	20.79	20.72			
1.4	64QAM	6	0	19.41	19.33	19.72			



Band 38(only on channel required)													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power Low Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dBm)	MFR (dB)				
Channel													
Frequency (MHz)													
20	QPSK	1	0	19.99	20.15	20.00	20.15	21.5	0				
20	QPSK	1	49	19.86	19.90	20.08	19.90						
20	QPSK	56	0	19.82	20.05	19.93	20.05						
20	QPSK	56	0	19.87	20.00	20.00	20.00						
20	QPSK	56	24	19.94	19.94	20.02	20.02	21.5	0				
20	QPSK	56	50	19.81	19.98	20.00	19.98						
20	QPSK	100	0	19.96	19.92	20.05	20.05						
20	QPSK	100	0	20.01	20.00	19.96	19.96						
20	16QAM	1	49	19.75	19.92	19.90	19.90	21.5	0				
20	16QAM	1	56	19.73	19.98	19.90	19.90						
20	16QAM	50	24	19.77	19.75	19.85	19.85						
20	16QAM	50	56	19.78	19.87	19.88	19.88						
20	16QAM	100	0	19.76	19.85	19.81	19.81	21.5	0				
20	16QAM	1	0	19.85	19.68	19.80	19.80						
20	16QAM	1	49	19.86	19.88	19.78	19.78						
20	16QAM	50	24	19.84	19.84	19.82	19.82						
20	16QAM	50	56	19.76	19.81	19.91	19.91	21.5	0				
20	16QAM	100	0	19.81	19.76	19.78	19.78						
Channel													
Frequency (MHz)													
15	QPSK	1	0	19.75	19.90	20.05	20.05	21.5	0				
15	QPSK	1	37	19.69	19.67	19.80	19.80						
15	QPSK	14	0	19.80	20.08	20.00	20.00						
15	QPSK	36	0	19.88	19.81	19.83	19.83						
15	QPSK	36	20	19.87	19.83	19.86	19.86	21.5	0				
15	QPSK	36	39	19.89	19.80	20.01	20.01						
15	QPSK	75	0	19.82	19.85	19.84	19.84						
15	QPSK	75	0	19.80	20.02	20.00	20.00						
15	16QAM	1	37	19.79	19.84	19.85	19.85	21.5	0				
15	16QAM	1	74	19.72	19.89	20.02	20.02						
15	16QAM	36	0	19.85	19.80	19.83	19.83						
15	16QAM	36	20	19.78	19.77	19.83	19.83						
15	16QAM	36	39	19.89	19.73	19.85	19.85	21.5	0				
15	16QAM	75	0	19.72	19.75	19.80	19.80						
15	16QAM	1	0	19.80	19.84	19.74	19.74						
15	16QAM	1	37	19.82	19.85	19.81	19.81						
15	16QAM	1	74	19.68	19.88	19.80	19.80	21.5	0				
15	16QAM	36	0	19.82	19.85	19.80	19.80						
15	16QAM	36	20	19.72	19.84	20.11	20.11						
15	16QAM	36	39	19.75	19.84	19.84	19.84						
15	16QAM	75	0	19.75	19.83	19.89	19.89	21.5	0				
Channel													
Frequency (MHz)													
10	QPSK	1	0	19.75	20.11	20.08	20.08	21.5	0				
10	QPSK	1	25	19.84	20.05	20.07	20.07						
10	QPSK	1	49	19.82	19.89	20.10	20.10						
10	QPSK	25	0	20.08	20.06	20.08	20.08						
10	QPSK	25	12	20.03	20.05	20.08	20.08	21.5	0				
10	QPSK	25	25	19.98	20.02	20.05	20.05						
10	QPSK	50	0	19.83	19.89	20.05	20.05						
10	QPSK	50	0	19.80	20.05	20.05	20.05						
10	16QAM	1	25	19.85	19.82	20.12	20.12	21.5	0				
10	16QAM	1	49	19.82	19.83	20.00	20.00						
10	16QAM	25	0	19.81	20.01	20.05	20.05						
10	16QAM	25	12	19.88	19.88	20.03	20.03						
10	16QAM	25	25	19.86	20.01	20.07	20.07	21.5	0				
10	16QAM	50	0	19.78	19.89	20.00	20.00						
10	16QAM	1	0	19.86	19.88	19.90	19.90						
10	16QAM	1	25	19.71	19.81	19.80	19.80						
10	16QAM	1	49	19.73	20.04	19.80	19.80	21.5	0				
10	16QAM	25	0	19.87	20.04	20.10	20.10						
10	16QAM	25	12	19.86	20.04	20.08	20.08						
10	16QAM	25	25	19.96	19.90	20.13	20.13						
10	16QAM	50	0	19.85	19.80	20.05	20.05	21.5	0				
Channel													
Frequency (MHz)													
5	QPSK	1	0	19.80	20.03	20.10	20.10	21.5	0				
5	QPSK	1	12	19.90	19.97	20.08	20.08						
5	QPSK	1	24	19.88	20.05	20.14	20.14						
5	QPSK	12	0	19.98	20.00	20.14	20.14						
5	QPSK	12	7	20.04	20.11	20.05	20.05	21.5	0				
5	QPSK	12	13	19.98	20.10	20.04	20.04						
5	QPSK	25	0	20.02	19.97	20.05	20.05						
5	QPSK	1	0	19.93	20.04	20.09	20.09						
5	16QAM	1	12	19.85	20.11	20.02	20.02	21.5	0				
5	16QAM	1	24	19.85	20.13	20.08	20.08						
5	16QAM	12	0	19.78	19.86	20.04	20.04						
5	16QAM	12	7	19.82	19.80	19.77	19.77						
5	16QAM	12	13	19.87	19.87	20.10	20.10	21.5	0				
5	16QAM	25	0	19.82	19.83	20.05	20.05						
5	16QAM	12	13	19.78	19.88	20.00	20.00						
5	16QAM	12	7	19.91	20.00	20.05	20.05						
5	16QAM	12	13	19.81	20.00	20.07	20.07	21.5	0				
5	16QAM	25	0	19.84	19.85	20.03	20.03						
Channel													
Frequency (MHz)													
5	QPSK	1	0	19.80	20.03	20.10	20.10	21.5	0				
5	QPSK	1	12	19.90	19.97	20.08	20.08						
5	QPSK	1	24	19.88	20.05	20.14	20.14						
5	QPSK	12	0	19.98	20.00	20.14	20.14						
5	QPSK	12	7	20.04	20.11	20.05	20.05	21.5	0				
5	QPSK	12	13	19.98	20.10	20.04	20.04						
5													

Reduced power Mode for Receiver On for ANT2

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	138	169	251		126	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	29.33	29.70	29.51	31.00	20.33	20.70	20.51	22.00
GSM 1 Tx slot	29.33	29.70	29.51	31.00	20.33	20.70	20.51	22.00
GPRS 1 Tx slot	29.43	29.65	29.54	31.00	20.43	20.65	20.54	22.00
GPRS 2 Tx slots	26.66	26.32	26.44	27.50	20.66	20.32	20.44	21.50
GPRS 3 Tx slots	25.52	25.70	25.67	26.50	21.26	21.44	21.41	22.24
GPRS 4 Tx slots	23.57	23.53	23.75	24.50	20.57	20.53	20.75	21.50
EDGE 1 Tx slot	22.50	22.57	22.56	23.50	15.50	15.57	15.56	16.50
EDGE 2 Tx slots	21.15	21.13	21.13	22.50	15.15	15.13	15.13	16.50
EDGE 3 Tx slots	20.07	20.21	20.15	21.00	15.81	15.95	15.89	16.74
EDGE 4 Tx slots	18.20	18.21	18.12	19.00	15.20	15.21	15.12	16.00

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.65	22.67	22.57	23.00
3GPP Rel 99	RMC 12.2Kbps	22.68	22.70	22.59	23.00
3GPP Rel 6	HSDPA Subtest-1	21.54	21.68	21.64	22.00
3GPP Rel 6	HSDPA Subtest-2	21.49	21.68	21.63	22.00
3GPP Rel 6	HSDPA Subtest-3	20.97	21.15	21.09	21.50
3GPP Rel 6	HSDPA Subtest-4	21.04	21.17	21.13	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.46	21.75	21.69	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.43	21.68	21.65	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.98	21.15	21.00	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.06	21.14	21.11	21.50
3GPP Rel 6	HSUPA Subtest-1	21.48	21.67	21.62	22.00
3GPP Rel 6	HSUPA Subtest-2	19.52	19.66	19.61	20.00
3GPP Rel 6	HSUPA Subtest-3	20.47	20.66	20.62	21.00
3GPP Rel 6	HSUPA Subtest-4	19.48	19.64	19.63	20.00
3GPP Rel 6	HSUPA Subtest-5	21.50	21.70	21.60	22.00

Band	CDMA BC0			Tune-up Limit	CDMA BC10			Tune-up Limit
TX Channel	1013	384	777	Limit (dBm)	476	580	684	Limit (dBm)
Frequency (MHz)	824.7	836.52	848.31		817.9	820.5	823.1	
RC1 SQ55	23.65	23.58	23.48	24.00	23.61	23.67	23.84	24.00
RC3 SQ55	23.67	23.70	23.45	24.00	23.70	23.83	23.84	24.00
RC3 SQ32 (F+SCH)	23.56	23.61	23.46	24.00	23.69	23.78	23.85	24.00
RC3 SQ32 (F+SCH)	23.67	23.66	23.41	24.00	23.69	23.91	23.86	24.00
RTAP 153.6Kbps	23.52	23.64	23.41	24.00	23.82	23.79	23.92	24.00
RETAP 4096Kbps	23.61	23.65	23.58	24.00	23.77	23.81	23.87	24.00

FCC-FD-LTE_ENDC sensor Ant2

Band 2 (1900MHz Band)									
Part 24E									
BW (MHz)	Modulation	RB Size	RB Offset	Power Floor Ch. 1 Freq.	Power Floor Ch. 2 Freq.	Power Floor Ch. 3 Freq.	Turn-up (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	13.02	12.99	13.00			
20	QPSK	1	49	13.00	13.02	13.10	14	0	
20	QPSK	1	99	13.00	13.00	13.19			
20	QPSK	50	0	13.09	13.01	12.98			
20	QPSK	50	24	12.83	12.88	12.94	14	0	
20	QPSK	50	50	12.82	12.89	12.84			
20	QPSK	100	0	12.98	12.92	12.99			
20	16QAM	1	0	13.04	13.07	13.06			
20	16QAM	1	49	13.01	13.02	13.06	14	0	
20	16QAM	1	99	13.09	13.01	12.98			
20	16QAM	50	0	12.83	12.88	12.94			
20	16QAM	50	24	12.82	12.89	12.84	14	0	
20	16QAM	50	50	12.80	12.86	12.99			
20	16QAM	100	0	13.04	13.07	13.06			
20	64QAM	1	0	13.01	13.02	13.06			
20	64QAM	1	49	13.02	12.90	13.02	14	0	
20	64QAM	1	99	13.08	13.15	12.86			
20	64QAM	36	0	12.95	13.07	13.07			
20	64QAM	50	24	13.08	12.94	13.07	14	0	
20	64QAM	50	50	13.16	12.94	13.14			
20	64QAM	100	0	12.86	12.88	12.87			
Channel									
Frequency (MHz)									
15	QPSK	1	0	13.11	12.80	13.02			
15	QPSK	1	37	13.07	13.17	13.01	14	0	
15	QPSK	1	74	12.97	13.08	13.06			
15	QPSK	36	0	12.96	13.14	13.05			
15	QPSK	36	39	12.95	12.90	13.07	14	0	
15	QPSK	36	39	12.95	12.92	13.07			
15	16QAM	1	0	12.98	12.92	12.99			
15	16QAM	1	37	13.15	12.90	13.02	14	0	
15	16QAM	1	74	12.95	12.95	12.92			
15	16QAM	36	0	12.96	13.06	12.92			
15	16QAM	36	20	12.96	13.14	13.05	14	0	
15	16QAM	36	39	12.95	12.90	13.07			
15	16QAM	75	0	12.95	12.92	13.07			
15	64QAM	1	0	12.98	12.95	12.81			
15	64QAM	1	37	12.98	13.10	12.96	14	0	
15	64QAM	1	74	13.15	12.90	13.02			
15	64QAM	36	0	12.95	12.92	13.07	14	0	
15	64QAM	36	20	12.96	13.06	12.92			
15	64QAM	75	0	13.09	12.85	13.02	14	0	
15	64QAM	75	39	12.91	13.00	13.07			
Channel									
Frequency (MHz)									
10	QPSK	1	0	12.90	12.99	13.00			
10	QPSK	1	25	13.06	13.18		14	0	
10	QPSK	25	0	13.03	13.12	13.10			
10	QPSK	25	12	13.04	13.01	13.05			
10	QPSK	25	25	13.02	13.02	12.99			
10	QPSK	50	0	13.04	13.03	13.02			
10	16QAM	1	0	13.01	12.90	13.00			
10	16QAM	1	25	12.93	13.02	12.96	14	0	
10	16QAM	1	49	13.11	13.10	13.19			
10	16QAM	25	0	12.97	13.12	13.07			
10	16QAM	25	12	13.02	13.10	13.00	14	0	
10	16QAM	25	25	13.00	13.12	13.10			
10	16QAM	50	0	13.04	13.01	13.05			
10	64QAM	1	0	13.02	13.02	13.09			
10	64QAM	1	25	13.04	13.03	13.02	14	0	
10	64QAM	1	49	13.01	12.90	13.00			
10	64QAM	25	0	12.99	13.02	13.05			
10	64QAM	25	12	13.11	13.10	13.19			
10	64QAM	25	25	12.97	13.12	13.07	14	0	
10	64QAM	50	0	13.06	13.06	13.15			
Channel									
Frequency (MHz)									
5	QPSK	1	0	13.12	13.09	13.07			
5	QPSK	1	8	13.02	13.03	13.17	14	0	
5	QPSK	1	24	13.02	13.18	13.10			
5	QPSK	12	0	13.17	12.94	12.90			
5	QPSK	12	7	12.83	13.13	12.98	14	0	
5	QPSK	12	13	13.01	13.03	13.15			
5	QPSK	25	0	13.12	13.02	12.94			
5	16QAM	1	0	12.88	13.00	12.93			
5	16QAM	1	12	12.98	12.99	12.99	14	0	
5	16QAM	1	24	12.94	13.01	12.87			
5	16QAM	12	0	12.90	13.02	13.03			
5	16QAM	12	7	12.99	13.02	12.99	14	0	
5	16QAM	12	13	13.00	13.12	13.10			
5	16QAM	25	0	12.99	13.02	12.99			
5	64QAM	1	0	12.90	12.99	13.00			
5	64QAM	1	12	13.06	13.18	13.01	14	0	
5	64QAM	1	24	13.02	13.10	13.00			
5	64QAM	12	0	12.99	13.02	13.05			
5	64QAM	12	7	13.04	13.01	13.05	14	0	
5	64QAM	12	13	13.00	12.97	13.06			
5	64QAM	25	0	13.14	13.08	13.05			
Channel									
Frequency (MHz)									
3	QPSK	1	0	13.12	12.99	12.94			
3	QPSK	1	8	12.96	13.15	13.03	14	0	
3	QPSK	1	14	12.98	12.99	12.99			
3	QPSK	8	0	12.94	13.01	12.87			
3	QPSK	8	4	12.90	13.02	13.06			
3	QPSK	8	7	12.89	13.02	12.99			
3	QPSK	15	0	13.00	12.99	13.00			
3	16QAM	1	0	13.00	13.18	12.86			
3	16QAM	1	8	13.05	12.76	13.13	14	0	
3	16QAM	1	14	13.07	12.88	13.16			
3	16QAM	8	0	12.86	12.86	12.78			
3	16QAM	8	4	12.83	12.89	12.85	14	0	
3	16QAM	8	7	12.77	12.85	12.82			
3	16QAM	15	0	12.81	12.86	12.75			
3	64QAM	1	0	13.16	12.82	13.05			
3	64QAM	1	8	13.00	13.14	13.01	14	0	
3	64QAM	1	14	12.81	12.97	12.98			
3	64QAM	8	0	12.84	13.00	12.89			
3	64QAM	8	4	12.86	12.86	12.83	14	0	
3	64QAM	8	7	12.81	12.93	12.94			
3	64QAM	15	0	12.86	12.82	12.88			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	13.02	13.03	13.07			
1.4	QPSK	1	8	13.04	13.15	13.03	14	0	
1.4	QPSK	1	5	13.08	13.13	13.12			
1.4	QPSK	3	0	13.09	13.10	13.08			
1.4	QPSK	3	1	13.02	13.00	13.09			
1.4	QPSK	3	3	13.02	13.18	13.10			
1.4	QPSK	6	0	13.17	12.94	12.92	14	0	
1.4	QPSK	6	1	12.85	13.13	12.98			
1.4	16QAM	1	3	13.01	13.03	13.15			
1.4	16QAM	1	5	13.12	12.99	12.94	14	0	
1.4	16QAM	3	0	12.88	13.00	12.93			
1.4	16QAM	3	1	12.86	12.99	12.99			
1.4	16QAM	3	2	12.94	13.05	12.97	14	0	
1.4	16QAM	6	0	12.90	13.02	13.06			
1.4	64QAM	1	0	12.99	13.02	12.99			
1.4	64QAM	1	3	12.99	12.99	13.00			
1.4	64QAM	1	5	13.00	13.18	12.86	14	0	
1.4	64QAM	3	0	13.05	12.76	13.13			
1.4	64QAM	3	3	13.07	12.98	13.16			
1.4	64QAM	3	3	12.86	12.86	12.76			
1.4	64QAM	6	0	12.83	12.89	12.95	14	0	

Band 25 (1900MHz Band)							Part 24E	
BW (MHz)	Modulation	RB Size	RB Offset	Power (dBm)	Power (dBm)	Power (dBm)	Turn-up time (s)	MPR (dB)
Channel				Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.		
				26140	26340	26590		
20	QPSK	1	0	13.02	13.02	13.14	14	0
20	QPSK	1	49	12.96	12.81	13.00		
20	QPSK	1	99	13.00	12.93	13.02		
20	QPSK	50	0	12.99	13.12	12.95		
20	QPSK	50	24	13.01	13.08	12.91	14	0
20	QPSK	50	50	12.94	12.95	13.11		
20	QPSK	100	0	12.97	13.12	13.01		
20	16QAM	1	0	12.90	13.10	12.97		
20	16QAM	1	49	13.10	13.12	12.85	14	0
20	16QAM	1	99	12.88	12.90	12.83		
20	16QAM	50	0	12.85	13.00	12.89		
20	16QAM	50	24	12.90	12.90	12.85		
20	16QAM	50	50	12.77	12.95	13.00	14	0
20	16QAM	100	0	12.86	12.88	12.82		
20	64QAM	1	0	13.01	13.11	12.87		
20	64QAM	1	49	12.76	13.07	12.80		
20	64QAM	1	99	12.86	12.70	12.72	14	0
20	64QAM	50	0	12.84	12.86	12.89		
20	64QAM	50	24	12.91	12.99	12.93		
20	64QAM	50	50	12.86	12.92	12.98		
20	64QAM	100	0	12.89	12.97	12.84	14	0
Channel				26115	26340	26615		
Frequency (MHz)				1807.5	1880	1907.5	Turn-up time (s)	MPR (dB)
15	QPSK	1	0	13.02	13.02	13.14	14	0
15	QPSK	1	37	12.88	13.00	12.93		
15	QPSK	1	74	12.88	12.99	12.99		
15	QPSK	36	0	12.94	13.01	12.87		
15	QPSK	36	20	12.99	13.02	13.06	14	0
15	QPSK	36	39	12.90	13.02	12.99		
15	QPSK	72	0	12.90	13.10	12.98		
15	16QAM	1	0	13.00	13.18	12.86		
15	16QAM	1	37	13.05	12.76	13.13	14	0
15	16QAM	1	74	13.07	12.98	13.16		
15	16QAM	36	0	12.86	12.86	12.76		
15	16QAM	36	20	12.83	12.89	12.85		
15	16QAM	36	39	12.77	12.81	12.92	14	0
15	16QAM	75	0	12.81	12.86	12.95		
15	64QAM	1	0	13.16	12.82	13.05		
15	64QAM	1	37	13.00	13.14	13.01		
15	64QAM	1	74	12.81	12.97	12.98	14	0
15	64QAM	36	0	12.84	12.96	12.89		
15	64QAM	36	20	12.86	13.00	12.94		
15	64QAM	36	39	12.81	12.93	12.94		
15	64QAM	75	0	12.86	12.92	12.98	14	0
Channel				26050	26340	26640		
Frequency (MHz)				1880	1880	1907.5	Turn-up time (s)	MPR (dB)
10	QPSK	1	0	13.05	13.05	13.15	14	0
10	QPSK	1	25	12.96	13.08	13.03		
10	QPSK	1	49	13.12	13.09	13.17		
10	QPSK	25	0	13.02	13.03	13.15		
10	QPSK	25	12	13.04	13.15	13.15	14	0
10	QPSK	25	25	13.08	13.13	13.12		
10	QPSK	50	0	13.09	13.15	13.09		
10	16QAM	1	0	13.02	13.00	13.12		
10	16QAM	1	25	13.02	13.18	13.10	14	0
10	16QAM	1	49	13.17	12.94	13.00		
10	16QAM	25	0	12.83	13.13	12.98		
10	16QAM	25	12	13.01	13.03	13.15		
10	16QAM	25	25	13.01	13.11	13.09	14	0
10	16QAM	50	0	12.96	12.98	12.97		
10	64QAM	1	0	13.05	12.94	12.93		
10	64QAM	1	25	13.06	13.18	13.10		
10	64QAM	1	49	13.02	13.10	13.00	14	0
10	64QAM	1	74	12.81	12.97	12.98		
10	64QAM	25	0	13.06	13.12	13.06		
10	64QAM	25	12	13.04	13.01	13.05		
10	64QAM	25	25	13.00	12.97	13.06	14	0
10	64QAM	25	50	13.01	13.03	13.04		
10	64QAM	50	0	12.96	13.08	13.05		
Channel				26055	26340	26665		
Frequency (MHz)				1880.5	1880	1912.5	Turn-up time (s)	MPR (dB)
5	QPSK	1	0	12.98	13.06	13.06	14	0
5	QPSK	1	8	13.01	12.88	13.08		
5	QPSK	1	24	13.02	13.02	13.04		
5	QPSK	12	0	13.07	13.09	13.16		
5	QPSK	12	7	13.04	13.07	13.13	14	0
5	QPSK	25	0	12.97	13.10	13.05		
5	16QAM	1	0	13.12	13.17	13.07		
5	16QAM	1	12	13.08	13.01	12.82		
5	16QAM	1	24	13.12	12.97	13.04	14	0
5	16QAM	12	0	12.96	13.11	13.02		
5	16QAM	12	7	12.86	12.99	13.04		
5	16QAM	12	13	13.11	13.01	13.04		
5	16QAM	25	0	12.91	13.01	13.03	14	0
5	64QAM	1	0	13.02	13.02	12.99		
5	64QAM	1	12	13.04	13.03	13.02		
5	64QAM	1	24	13.01	12.90	13.20		
5	64QAM	12	0	13.06	13.12	13.06	14	0
5	64QAM	12	7	13.11	13.10	13.19		
5	64QAM	12	13	12.97	13.12	13.07		
5	64QAM	25	0	13.06	13.06	13.18		
Channel				26055	26340	26675	Turn-up time (s)	MPR (dB)
Frequency (MHz)				1881.5	1880	1914.5		
3	QPSK	1	0	12.80	12.91	12.90	14	0
3	QPSK	1	8	12.81	12.88	12.98		
3	QPSK	1	14	12.82	12.98	12.92		
3	QPSK	8	0	12.92	12.90	12.97		
3	QPSK	8	7	12.83	12.88	12.94	14	0
3	QPSK	15	0	12.89	12.90	12.91		
3	16QAM	1	0	13.02	13.12	13.02		
3	16QAM	1	8	13.11	13.02	13.12		
3	16QAM	1	14	13.07	13.17	13.01	14	0
3	16QAM	8	0	12.97	13.08	13.08		
3	16QAM	8	4	12.96	13.14	13.05		
3	16QAM	8	7	13.05	12.90	13.07		
3	16QAM	15	0	12.95	12.92	13.07	14	0
3	64QAM	1	0	12.98	12.95	12.81		
3	64QAM	1	8	12.98	13.10	12.96		
3	64QAM	1	14	13.15	12.90	13.02		
3	64QAM	8	0	12.95	12.95	12.92	14	0
3	64QAM	8	4	12.96	13.04	13.02		
3	64QAM	8	7	12.91	12.85	13.05		
3	64QAM	15	0	13.09	13.00	13.07		
Channel				26047	26340	26603	Turn-up time (s)	MPR (dB)
Frequency (MHz)				1880.7	1880	1914.3		
1.4	QPSK	1	0	12.84	12.82	12.86	14	0
1.4	QPSK	1	8	12.82	12.77	12.88		
1.4	QPSK	1	5	12.83	12.78	12.77		
1.4	QPSK	3	0	12.88	12.85	12.74		
1.4	QPSK	3	1	12.93	12.83	12.88	14	0
1.4	QPSK	3	1	12.83	12.83	12.85		
1.4	QPSK	6	0	12.86	12.87	12.85		
1.4	QPSK	1	0	13.05	13.02	13.02		
1.4	16QAM	1	3	13.06	13.00	13.19	14	0
1.4	16QAM	1	5	13.09	13.01	12.98		
1.4	16QAM	3	0	12.83	12.88	12.84		
1.4	16QAM	3	1	12.82	12.89	12.94		
1.4	16QAM	3	1	12.80	12.80	12.89	14	0
1.4	16QAM	6	0	13.04	13.07	13.06		
1.4	64QAM	1	0	13.01	13.02	13.08		
1.4	64QAM	1	3	13.02	12.90	13.02		
1.4	64QAM	1	5	13.06	13.15	12.86	14	0
1.4	64QAM	3	0	13.17	13.07	13.07		
1.4	64QAM	3	1	13.06	12.84	13.07		
1.4	64QAM	3	3	13.16	12.94	13.14		
1.4	64QAM	6	0	12.86	12.88	12.87	11	3

Band 66												
BW (MHz)	Modulation	RB Size	RB Offset	Power Max Ch. 1 Freq.	Power Max Ch. 2 Freq.	Power Max Ch. 3 Freq.	Tunesup limt (dbm)	MPR (db)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	12.43	12.43	12.43	14	0				
20	QPSK	1	49	12.57	12.42	12.60						
20	QPSK	1	99	12.49	12.61	12.52						
20	QPSK	50	0	12.52	12.74	12.72						
20	QPSK	50	24	12.55	12.61	12.54	14	0				
20	QPSK	50	50	12.47	12.70	12.67						
20	QPSK	100	0	12.53	12.71	12.69						
20	16QAM	1	0	12.45	12.56	12.57						
20	16QAM	1	49	12.29	12.41	12.50	14	0				
20	16QAM	1	99	12.64	12.65	12.44						
20	16QAM	50	0	12.37	12.41	12.52						
20	16QAM	50	24	12.30	12.40	12.46						
20	16QAM	50	50	12.20	12.40	12.49	14	0				
20	16QAM	100	0	12.35	12.41	12.50						
20	64QAM	1	0	12.23	12.56	12.54						
20	64QAM	1	49	12.21	12.54	12.42						
20	64QAM	1	99	12.61	12.20	12.55	14	0				
20	64QAM	50	0	12.37	12.30	12.46						
20	64QAM	50	24	12.28	12.44	12.43						
20	64QAM	50	50	12.24	12.30	12.42						
20	16QAM	100	0	12.28	12.41	12.49	14	0				
Channel												
Frequency (MHz)												
15	QPSK	1	0	17.15	17.45	17.75				14	0	
15	QPSK	1	37	12.26	12.26	12.32						
15	QPSK	1	74	12.11	12.37	12.32						
15	QPSK	36	0	12.22	12.42	12.44						
15	QPSK	36	20	12.31	12.42	12.60	14	0				
15	QPSK	36	39	12.30	12.40	12.40						
15	QPSK	75	0	12.17	12.42	12.47						
15	16QAM	1	0	12.56	12.62	12.68						
15	16QAM	1	37	12.54	12.53	12.43	14	0				
15	16QAM	1	74	12.45	12.34	12.43						
15	16QAM	36	0	12.30	12.36	12.45						
15	16QAM	36	20	12.35	12.38	12.50						
15	16QAM	36	39	12.16	12.45	12.49	14	0				
15	16QAM	75	0	12.32	12.46	12.43						
15	64QAM	1	0	12.45	12.56	12.63						
15	64QAM	1	37	12.43	12.39	12.46						
15	64QAM	1	74	12.46	12.56	12.44	14	0				
15	64QAM	36	0	12.34	12.36	12.47						
15	64QAM	36	20	12.34	12.43	12.56						
15	64QAM	36	39	12.37	12.44	12.46						
15	64QAM	75	0	12.17	12.40	12.50	14	0				
Channel												
Frequency (MHz)												
10	QPSK	1	0	13.022	13.022	13.062				14	0	
10	QPSK	1	25	12.43	12.50	12.31						
10	QPSK	1	49	12.25	12.29	12.38						
10	QPSK	25	0	12.41	12.49	12.53						
10	QPSK	25	12	12.42	12.57	12.61	14	0				
10	QPSK	25	25	12.30	12.52	12.61						
10	QPSK	50	0	12.30	12.35	12.56						
10	16QAM	1	0	12.56	12.55	12.64						
10	16QAM	1	25	12.54	12.43	12.54	14	0				
10	16QAM	1	49	12.47	12.58	12.65						
10	16QAM	25	0	12.57	12.54	12.68						
10	16QAM	25	12	12.49	12.68	12.67						
10	16QAM	25	25	12.41	12.51	12.73	14	0				
10	16QAM	50	0	12.36	12.56	12.59						
10	64QAM	1	0	12.53	12.41	12.50						
10	64QAM	1	25	12.63	12.41	12.67						
10	64QAM	1	49	12.44	12.46	12.73	14	0				
10	64QAM	25	0	12.59	12.63	12.67						
10	64QAM	25	12	12.38	12.64	12.69						
10	64QAM	25	25	12.42	12.47	12.43						
10	64QAM	50	0	12.41	12.57	12.62	14	0				
Channel												
Frequency (MHz)												
5	QPSK	1	0	17.15	17.45	17.75				14	0	
5	QPSK	1	12	12.37	12.41	12.57						
5	QPSK	1	24	12.25	12.36	12.51						
5	QPSK	12	0	12.45	12.55	12.54						
5	QPSK	12	7	12.43	12.53	12.62	14	0				
5	QPSK	12	13	12.38	12.50	12.55						
5	QPSK	25	0	12.47	12.56	12.62						
5	16QAM	1	0	12.57	12.56	12.54						
5	16QAM	1	12	12.30	12.75	12.75	14	0				
5	16QAM	1	24	12.65	12.55	12.54						
5	16QAM	12	0	12.50	12.58	12.66						
5	16QAM	12	7	12.54	12.66	12.59						
5	16QAM	12	13	12.41	12.51	12.73	14	0				
5	16QAM	25	0	12.35	12.50	12.59						
5	64QAM	1	0	12.65	12.73	12.63						
5	64QAM	1	12	12.40	12.63	12.65						
5	64QAM	1	24	12.60	12.70	12.66	14	0				
5	64QAM	12	0	12.51	12.63	12.53						
5	64QAM	12	7	12.61	12.58	12.73						
5	64QAM	12	13	12.57	12.63	12.65						
5	64QAM	25	0	12.40	12.58	12.52	14	0				
Channel												
Frequency (MHz)												
3	QPSK	1	0	13.022	13.022	13.067				14	0	
3	QPSK	1	8	12.30	12.43	12.51						
3	QPSK	1	14	12.40	12.46	12.48						
3	QPSK	8	0	12.43	12.56	12.58						
3	QPSK	8	4	12.36	12.52	12.61	14	0				
3	QPSK	8	7	12.34	12.58	12.53						
3	QPSK	15	0	12.36	12.51	12.60						
3	16QAM	1	0	12.45	12.55	12.64						
3	16QAM	1	8	12.65	12.54	12.59	14	0				
3	16QAM	1	14	12.62	12.43	12.72						
3	16QAM	8	0	12.39	12.61	12.55						
3	16QAM	8	4	12.48	12.62	12.58						
3	16QAM	8	7	12.54	12.54	12.72	14	0				
3	16QAM	15	0	12.39	12.51	12.54						
3	64QAM	1	0	12.48	12.43	12.55						
3	64QAM	1	8	12.52	12.62	12.56						
3	64QAM	1	14	12.72	12.30	12.65	14	0				
3	64QAM	8	0	12.54	12.49	12.66						
3	64QAM	8	4	12.60	12.42	12.60						
3	64QAM	8	7	12.48	12.49	12.48						
3	64QAM	15	0	12.51	12.69	12.64	14	0				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	13.030	13.030	13.076				14	0	
1.4	QPSK	1	8	12.30	12.43	12.54						
1.4	QPSK	1	8	12.11	12.20	12.43						
1.4	QPSK	3	0	12.29	12.34	12.40						
1.4	QPSK	3	1	12.28	12.40	12.47	14	0				
1.4	QPSK	3	3	12.27	12.43	12.45						
1.4	QPSK	6	0	12.42	12.43	12.55						
1.4	16QAM	1	0	12.66	12.52	12.63						
1.4	16QAM	1	3	12.56	12.55	12.65	14	0				
1.4	16QAM	1	5	12.72	12.38	12.54						
1.4	16QAM	3	0	12.41	12.50	12.41						
1.4	16QAM	3	1	12.45	12.44	12.52						
1.4	16QAM	3	3	12.37	12.36	12.41	14	0				
1.4	16QAM	6	0	12.39	12.65	12.56						
1.4	64QAM	1	0	12.54	12.56	12.53						
1.4	64QAM	1	3	12.65	12.47	12.74						
1.4	64QAM	1	5	12.51	12.54	12.75	14	0				
1.4	64QAM	3	0	12.35	12.61	12.56						
1.4	64QAM	3	1	12.41	12.56	12.60						
1.4	64QAM	3	3	12.42	12.37	12.60						
1.4	64QAM	6	0	12.44	12.40	12.56	14	0				

Band 2 (1900MHz Band)												
Part 24E												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	17.01	17.19	17.15	18	0				
20	QPSK	1	49	16.78	16.88	16.97						
20	QPSK	1	99	16.96	16.83	16.99						
20	QPSK	50	0	16.72	17.00	16.98						
20	QPSK	50	24	16.80	16.90	16.98	18	0				
20	QPSK	50	50	16.66	16.82	16.88						
20	QPSK	100	0	16.76	16.92	16.91						
20	16QAM	1	0	16.67	16.81	16.83						
20	16QAM	1	49	16.80	16.81	16.82	18	0				
20	16QAM	1	99	16.88	16.73	16.83						
20	16QAM	50	0	16.57	16.58	16.60						
20	16QAM	50	24	16.52	16.69	16.69						
20	16QAM	50	50	16.51	16.85	16.70	18	0				
20	16QAM	100	0	16.54	16.61	16.77						
20	84QAM	1	0	16.61	16.79	16.77						
20	84QAM	1	49	16.79	16.36	16.61						
20	84QAM	1	99	16.61	16.69	16.70	18	0				
20	84QAM	50	0	16.56	16.61	16.74						
20	84QAM	50	24	16.58	16.65	16.71						
20	84QAM	50	50	16.52	16.60	16.74						
20	84QAM	100	0	16.58	16.58	16.63						
Channel												
Frequency (MHz)							Turn-up limit (dBm)	MPR (dB)				
15	QPSK	1	0	16.91	16.84	16.98	18	0				
15	QPSK	1	37	16.91	16.82	17.04						
15	QPSK	1	74	16.84	17.01	17.14						
15	QPSK	36	0	17.00	17.09	17.13						
15	QPSK	36	20	16.98	17.12	17.18	18	0				
15	QPSK	36	36	16.86	17.07	17.18						
15	QPSK	75	0	16.83	17.07	17.15						
15	16QAM	1	0	16.83	16.92	16.90						
15	16QAM	1	37	16.74	16.79	16.82	18	0				
15	16QAM	1	74	16.78	17.02	16.81						
15	16QAM	36	0	16.66	16.71	16.77						
15	16QAM	36	20	16.78	16.90	16.92						
15	16QAM	36	36	16.75	16.73	16.79	18	0				
15	16QAM	75	0	16.68	16.87	16.85						
15	84QAM	1	0	16.99	16.81	17.04						
15	84QAM	1	37	16.91	17.04	16.82						
15	84QAM	1	74	16.79	16.78	16.85	18	0				
15	84QAM	36	0	16.76	16.83	16.90						
15	84QAM	36	20	16.79	16.89	16.93						
15	84QAM	36	36	16.80	16.84	16.85						
15	84QAM	75	0	16.69	16.83	16.93						
Channel									Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)							16.95	16.90	17.05			
10	QPSK	1	0	17.18	17.11	16.93	18	0				
10	QPSK	1	25	17.03	16.95	16.90						
10	QPSK	1	49	17.08	16.86	17.01						
10	QPSK	25	0	17.17	17.01	16.90						
10	QPSK	25	12	16.98	16.90	17.01	18	0				
10	QPSK	25	25	17.01	17.16	17.03						
10	QPSK	50	0	16.92	17.12	17.01						
10	16QAM	1	0	17.18	17.14	16.82						
10	16QAM	1	25	17.00	16.85	17.08	18	0				
10	16QAM	1	49	16.82	17.02	17.08						
10	16QAM	25	0	16.90	16.97	17.08						
10	16QAM	25	12	16.81	17.03	17.03						
10	16QAM	25	25	16.80	17.00	17.01	18	0				
10	16QAM	50	0	16.73	16.97	17.00						
10	84QAM	1	0	17.01	16.93	17.10						
10	84QAM	1	25	17.03	17.12	17.12						
10	84QAM	1	49	16.83	17.02	17.11	18	0				
10	84QAM	25	0	16.88	17.01	17.14						
10	84QAM	25	12	16.89	17.08	17.07						
10	84QAM	25	25	16.74	17.06	17.01						
10	84QAM	50	0	16.80	16.94	17.14	18	0				
Channel									Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)									16.925	16.90	17.15	
5	QPSK	1	0	16.94	16.93	16.89			18	0		
5	QPSK	1	12	17.00	17.04	16.99						
5	QPSK	1	24	16.84	16.79	16.94						
5	QPSK	12	0	16.85	16.90	16.98						
5	QPSK	12	7	16.83	16.92	16.97	18	0				
5	QPSK	12	13	16.88	16.98	17.00						
5	QPSK	25	0	16.87	16.94	16.97						
5	16QAM	1	0	16.90	16.95	16.98						
5	16QAM	1	12	17.01	17.01	17.14	18	0				
5	16QAM	1	24	16.95	17.18	17.05						
5	16QAM	12	0	16.92	16.95	16.97						
5	16QAM	12	7	16.82	16.89	16.93						
5	16QAM	12	13	16.85	17.01	16.93	18	0				
5	16QAM	25	0	16.85	16.89	17.01						
5	84QAM	1	0	17.01	16.92	16.83						
5	84QAM	1	12	16.81	16.82	16.89						
5	84QAM	1	24	16.83	16.82	17.03	18	0				
5	84QAM	12	0	16.83	17.02	17.09						
5	84QAM	12	7	16.92	17.02	17.12						
5	84QAM	12	13	16.89	17.05	17.08						
5	84QAM	25	0	16.80	16.95	17.01	18	0				
Channel									Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)									16.915	16.90	19.915	
3	QPSK	1	0	16.94	16.81	16.95			18	0		
3	QPSK	1	8	16.88	16.80	17.09						
3	QPSK	1	14	16.73	16.88	16.90						
3	QPSK	8	0	16.82	16.92	16.93						
3	QPSK	8	4	16.88	16.90	16.96	18	0				
3	QPSK	8	7	16.76	16.88	17.00						
3	QPSK	15	0	16.78	16.90	16.96						
3	16QAM	1	0	17.01	17.04	16.88						
3	16QAM	1	8	17.04	16.97	17.03	18	0				
3	16QAM	1	14	17.12	17.11	17.07						
3	16QAM	8	0	16.88	16.92	17.03						
3	16QAM	8	4	16.76	16.88	17.03						
3	16QAM	8	7	16.86	16.98	17.00	18	0				
3	16QAM	15	0	16.82	16.91	17.01						
3	84QAM	1	0	17.01	17.02	16.90						
3	84QAM	1	8	16.97	17.12	16.88						
3	84QAM	1	14	17.00	17.01	17.03	18	0				
3	84QAM	8	0	16.72	17.01	17.00						
3	84QAM	8	7	17.00	17.15	17.08	18	0				
3	84QAM	8	7	16.93	16.99	17.17						
3	84QAM	15	0	16.89	16.88	17.06						
Channel									Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)							16.907	16.900	19.903			
1.4	QPSK	1	0	16.90	16.80	16.90.3	18	0				
1.4	QPSK	1	0	16.60	16.67	16.81						
1.4	QPSK	1	8	16.72	16.87	16.78						
1.4	QPSK	1	8	15.66	16.68	16.74						
1.4	QPSK	3	1	16.66	16.71	16.80	18	0				
1.4	QPSK	3	3	16.61	16.78	16.81						
1.4	QPSK	6	0	16.73	16.86	16.84						
1.4	16QAM	1	0	16.81	16.95	16.92						
1.4	16QAM	1	3	16.78	17.03	16.92	18	0				
1.4	16QAM	1	5	16.75	17.10	16.83						
1.4	16QAM	3	0	16.70	16.81	16.92						
1.4	16QAM	3	1	16.89	16.95	17.02						
1.4	16QAM	3	3	16.65	16.87	16.84	18	0				
1.4	16QAM	6	0	16.67	16.88	16.81						
1.4	84QAM	1	0	16.90	16.83	16.89						
1.4	84QAM	1	3	17.02	17.01	16.89						
1.4	84QAM	1	5	16.93	17.14	16.84	18	0				
1.4	84QAM	3	0	16.91	16.98	17.07						
1.4	84QAM	3	1	16.87	17.12	17.11						
1.4	84QAM	6	0	16.83	17.00	16.94						

Band 2 (200MHz Bw)									
Part 24E									
Cell ID	Frequency	Power	Min. Power	Max. Power	Min. Power	Max. Power	Min. Power	Max. Power	Min. Power
Frequency Range 1									
OPR1	1	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR2	2	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR3	3	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR4	4	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR5	5	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR6	6	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR7	7	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR8	8	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR9	9	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR10	10	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR11	11	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR12	12	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR13	13	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR14	14	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR15	15	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR16	16	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR17	17	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR18	18	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR19	19	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR20	20	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR21	21	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR22	22	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR23	23	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR24	24	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR25	25	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR26	26	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR27	27	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR28	28	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR29	29	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR30	30	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR31	31	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR32	32	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR33	33	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR34	34	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR35	35	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR36	36	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR37	37	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR38	38	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR39	39	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR40	40	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR41	41	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR42	42	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR43	43	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR44	44	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR45	45	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR46	46	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR47	47	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR48	48	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR49	49	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR50	50	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR51	51	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR52	52	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR53	53	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR54	54	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR55	55	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR56	56	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR57	57	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR58	58	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR59	59	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR60	60	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR61	61	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR62	62	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR63	63	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR64	64	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR65	65	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR66	66	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR67	67	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR68	68	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR69	69	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR70	70	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR71	71	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR72	72	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR73	73	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR74	74	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR75	75	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR76	76	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR77	77	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR78	78	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR79	79	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR80	80	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR81	81	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR82	82	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR83	83	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR84	84	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR85	85	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR86	86	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR87	87	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR88	88	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR89	89	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR90	90	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR91	91	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR92	92	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR93	93	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR94	94	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR95	95	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR96	96	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR97	97	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR98	98	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR99	99	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR100	100	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
Frequency Range 2									
OPR101	1	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR102	2	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR103	3	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR104	4	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR105	5	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR106	6	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR107	7	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR108	8	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR109	9	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR110	10	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR111	11	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR112	12	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR113	13	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR114	14	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR115	15	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR116	16	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR117	17	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR118	18	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR119	19	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR120	20	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR121	21	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR122	22	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR123	23	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR124	24	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR125	25	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR126	26	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR127	27	0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0	-120.0
OPR128	28	0	-120.0						

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Band 7 (200MHz Band)									
Part 27									
Site (MHz)	Modulation	PSK Size	RB (MHz)	Power (W)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Usage (dBm)	Notes (dBm)
Frequency (MHz)									
20	QPSK	16	1	17.54	17.54	17.54	17.54	18.5	0
20	QPSK	16	48	17.34	17.34	17.34	17.34	18.5	0
20	QPSK	16	97	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	146	17.48	17.48	17.48	17.48	18.5	0
20	QPSK	16	195	17.50	17.50	17.50	17.50	18.5	0
20	QPSK	16	244	17.48	17.48	17.48	17.48	18.5	0
20	QPSK	16	293	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	342	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	391	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	440	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	489	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	538	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	587	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	636	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	685	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	734	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	783	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	832	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	881	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	930	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	979	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1028	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1077	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1126	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1175	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1224	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1273	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1322	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1371	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1420	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1469	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1518	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1567	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1616	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1665	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1714	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1763	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1812	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1861	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1910	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	1959	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	2008	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	2057	17.47	17.48	17.48	17.48	18.5	0
20	QPSK	16	2106	17.47	17.48	17.48	17.48	18.5	0

FCC-FD-LTE_ENDC Handheld Ant1

ENDC Handheld Antenn									
Band 25 (1900MHz Band)									
Part 246									
EN (MHz)	Modulation	RF Size	RF Offset	Carrier Freq. (MHz)	Channel Width (MHz)	Max. Tx Power (dBm)	Max. Rx Power (dBm)	Max. Tx Power (dBm)	Max. Rx Power (dBm)
25	SSSS	1	0	1724	12.5	30.0	15.0	15.0	15.0
25	SSSS	1	0	1726	12.5	30.0	15.0	15.0	15.0
25	SSSS	1	0	1728	12.5	30.0	15.0	15.0	15.0
25	SSSS	1	0	1730	12.5	30.0	15.0	15.0	15.0
25	SSSS	33	24	1701	17.02	30.0	15.0	15.0	15.0
25	SSSS	33	24	1703	17.02	30.0	15.0	15.0	15.0
25	SSSS	33	24	1705	17.02	30.0	15.0	15.0	15.0
25	SSSS	33	24	1707	17.02	30.0	15.0	15.0	15.0
25	SSSS	1	0	1734	12.5	30.0	15.0	15.0	15.0
25	SSSS	1	0	1736	12.5	30.0	15.0	15.0	15.0
25	SSSS	1	0	1738	12.5	30.0	15.0	15.0	15.0
25	SSSS	1	0	1740	12.5	30.0	15.0	15.0	15.0
25	SSSS	33	24	1709	17.02	30.0	15.0	15.0	15.0
25	SSSS	33	24	1711	17.02	30.0	15.0	15.0	15.0
25	SSSS	33	24	1713	17.02	30.0	15.0	15.0	15.0
25	SSSS	33	24	1715	17.02	30.0	15.0	15.0	15.0
25	SSSS	1	0	1739	12.5	30.0	15.0	15.0	15.0
25	SSSS	1	0	1741	12.5	30.0	15.0	15.0	15.0
25	SSSS	1	0	1743	12.5	30.0	15.0	15.0	15.0
25	SSSS	1	0	1745	12.5	30.0	15.0	15.0	15.0
25	SSSS	33	24	1717	17.02	30.0	15.0	15.0	15.0
25	SSSS	33	24	1719	17.02	30.0	15.0	15.0	15.0
25	SSSS	33	24	1721	17.02	30.0	15.0	15.0	15.0
25	SSSS	33	24	1723	17.02	30.0	15.0	15.0	15.0
25	SSSS	100	0	1737	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1739	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1741	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1743	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1745	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1747	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1749	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1751	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1753	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1755	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1757	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1759	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1761	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1763	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1765	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1767	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1769	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1771	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1773	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1775	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1777	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1779	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1781	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1783	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1785	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1787	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1789	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1791	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1793	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1795	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1797	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1799	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1801	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1803	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1805	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1807	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1809	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1811	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1813	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1815	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1817	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1819	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1821	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1823	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1825	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1827	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1829	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1831	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1833	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1835	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1837	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1839	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1841	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1843	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1845	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1847	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1849	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1851	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1853	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1855	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1857	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1859	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1861	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1863	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1865	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1867	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1869	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1871	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1873	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1875	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1877	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1879	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1881	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1883	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1885	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1887	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1889	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1891	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1893	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1895	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1897	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1899	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1901	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1903	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1905	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1907	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1909	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1911	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1913	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1915	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1917	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1919	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1921	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1923	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1925	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1927	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1929	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1931	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1933	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1935	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1937	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1939	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1941	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1943	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1945	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1947	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1949	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1951	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1953	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1955	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1957	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1959	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1961	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1963	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1965	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1967	17.00	30.0	15.0	15.0	15.0
25	SSSS	100	0	1969	17.00	30.0	15.0	15.0	

Band 66									
SR (MHz)	Modulation	RS Size	RS Offset	Subcarrier Spacing (kHz)	Bandwidth (MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)
Frequency (MHz)									
20	QPSK	1	0	15.63	15.63	15.63	15.63	15.63	15.63
20	QPSK	1	49	15.72	15.66	15.66	15.66	15.66	15.66
20	QPSK	1	98	15.73	15.61	15.61	15.61	15.61	15.61
20	QPSK	1	147	15.74	15.56	15.56	15.56	15.56	15.56
20	QPSK	1	196	15.75	15.51	15.51	15.51	15.51	15.51
20	QPSK	1	245	15.76	15.46	15.46	15.46	15.46	15.46
20	QPSK	1	294	15.77	15.41	15.41	15.41	15.41	15.41
20	QPSK	1	343	15.78	15.36	15.36	15.36	15.36	15.36
20	QPSK	1	392	15.79	15.31	15.31	15.31	15.31	15.31
20	QPSK	1	441	15.80	15.26	15.26	15.26	15.26	15.26
20	QPSK	1	490	15.81	15.21	15.21	15.21	15.21	15.21
20	QPSK	1	539	15.82	15.16	15.16	15.16	15.16	15.16
20	QPSK	1	588	15.83	15.11	15.11	15.11	15.11	15.11
20	QPSK	1	637	15.84	15.06	15.06	15.06	15.06	15.06
20	QPSK	1	686	15.85	15.01	15.01	15.01	15.01	15.01
20	QPSK	1	735	15.86	14.96	14.96	14.96	14.96	14.96
20	QPSK	1	784	15.87	14.91	14.91	14.91	14.91	14.91
20	QPSK	1	833	15.88	14.86	14.86	14.86	14.86	14.86
20	QPSK	1	882	15.89	14.81	14.81	14.81	14.81	14.81
20	QPSK	1	931	15.90	14.76	14.76	14.76	14.76	14.76
20	QPSK	1	980	15.91	14.71	14.71	14.71	14.71	14.71
20	QPSK	1	1029	15.92	14.66	14.66	14.66	14.66	14.66
20	QPSK	1	1078	15.93	14.61	14.61	14.61	14.61	14.61
20	QPSK	1	1127	15.94	14.56	14.56	14.56	14.56	14.56
20	QPSK	1	1176	15.95	14.51	14.51	14.51	14.51	14.51
20	QPSK	1	1225	15.96	14.46	14.46	14.46	14.46	14.46
20	QPSK	1	1274	15.97	14.41	14.41	14.41	14.41	14.41
20	QPSK	1	1323	15.98	14.36	14.36	14.36	14.36	14.36
20	QPSK	1	1372	15.99	14.31	14.31	14.31	14.31	14.31
20	QPSK	1	1421	16.00	14.26	14.26	14.26	14.26	14.26
20	QPSK	1	1470	16.01	14.21	14.21	14.21	14.21	14.21
20	QPSK	1	1519	16.02	14.16	14.16	14.16	14.16	14.16
20	QPSK	1	1568	16.03	14.11	14.11	14.11	14.11	14.11
20	QPSK	1	1617	16.04	14.06	14.06	14.06	14.06	14.06
20	QPSK	1	1666	16.05	14.01	14.01	14.01	14.01	14.01
20	QPSK	1	1715	16.06	13.96	13.96	13.96	13.96	13.96
20	QPSK	1	1764	16.07	13.91	13.91	13.91	13.91	13.91
20	QPSK	1	1813	16.08	13.86	13.86	13.86	13.86	13.86
20	QPSK	1	1862	16.09	13.81	13.81	13.81	13.81	13.81
20	QPSK	1	1911	16.10	13.76	13.76	13.76	13.76	13.76
20	QPSK	1	1960	16.11	13.71	13.71	13.71	13.71	13.71
20	QPSK	1	2009	16.12	13.66	13.66	13.66	13.66	13.66
20	QPSK	1	2058	16.13	13.61	13.61	13.61	13.61	13.61
Frequency (MHz)									
15	QPSK	1	0	15.53	15.53	15.53	15.53	15.53	15.53
15	QPSK	1	39	15.62	15.62	15.62	15.62	15.62	15.62
15	QPSK	1	78	15.67	15.67	15.67	15.67	15.67	15.67
15	QPSK	1	117	15.69	15.69	15.69	15.69	15.69	15.69
15	QPSK	1	156	15.70	15.70	15.70	15.70	15.70	15.70
15	QPSK	1	195	15.71	15.71	15.71	15.71	15.71	15.71
15	QPSK	1	234	15.72	15.72	15.72	15.72	15.72	15.72
15	QPSK	1	273	15.73	15.73	15.73	15.73	15.73	15.73
15	QPSK	1	312	15.74	15.74	15.74	15.74	15.74	15.74
15	QPSK	1	351	15.75	15.75	15.75	15.75	15.75	15.75
15	QPSK	1	390	15.76	15.76	15.76	15.76	15.76	15.76
15	QPSK	1	429	15.77	15.77	15.77	15.77	15.77	15.77
15	QPSK	1	468	15.78	15.78	15.78	15.78	15.78	15.78
15	QPSK	1	507	15.79	15.79	15.79	15.79	15.79	15.79
15	QPSK	1	546	15.80	15.80	15.80	15.80	15.80	15.80
15	QPSK	1	585	15.81	15.81	15.81	15.81	15.81	15.81
15	QPSK	1	624	15.82	15.82	15.82	15.82	15.82	15.82
15	QPSK	1	663	15.83	15.83	15.83	15.83	15.83	15.83
15	QPSK	1	702	15.84	15.84	15.84	15.84	15.84	15.84
15	QPSK	1	741	15.85	15.85	15.85	15.85	15.85	15.85
15	QPSK	1	780	15.86	15.86	15.86	15.86	15.86	15.86
15	QPSK	1	819	15.87	15.87	15.87	15.87	15.87	15.87
15	QPSK	1	858	15.88	15.88	15.88	15.88	15.88	15.88
15	QPSK	1	897	15.89	15.89	15.89	15.89	15.89	15.89
15	QPSK	1	936	15.90	15.90	15.90	15.90	15.90	15.90
15	QPSK	1	975	15.91	15.91	15.91	15.91	15.91	15.91
15	QPSK	1	1014	15.92	15.92	15.92	15.92	15.92	15.92
15	QPSK	1	1053	15.93	15.93	15.93	15.93	15.93	15.93
15	QPSK	1	1092	15.94	15.94	15.94	15.94	15.94	15.94
15	QPSK	1	1131	15.95	15.95	15.95	15.95	15.95	15.95
15	QPSK	1	1170	15.96	15.96	15.96	15.96	15.96	15.96
15	QPSK	1	1209	15.97	15.97	15.97	15.97	15.97	15.97
15	QPSK	1	1248	15.98	15.98	15.98	15.98	15.98	15.98
15	QPSK	1	1287	15.99	15.99	15.99	15.99	15.99	15.99
15	QPSK	1	1326	16.00	16.00	16.00	16.00	16.00	16.00
15	QPSK	1	1365	16.01	16.01	16.01	16.01	16.01	16.01
15	QPSK	1	1404	16.02	16.02	16.02	16.02	16.02	16.02
15	QPSK	1	1443	16.03	16.03	16.03	16.03	16.03	16.03
15	QPSK	1	1482	16.04	16.04	16.04	16.04	16.04	16.04
15	QPSK	1	1521	16.05	16.05	16.05	16.05	16.05	16.05
15	QPSK	1	1560	16.06	16.06	16.06	16.06	16.06	16.06
15	QPSK	1	1599	16.07	16.07	16.07	16.07	16.07	16.07
15	QPSK	1	1638	16.08	16.08	16.08	16.08	16.08	16.08
15	QPSK	1	1677	16.09	16.09	16.09	16.09	16.09	16.09
15	QPSK	1	1716	16.10	16.10	16.10	16.10	16.10	16.10
15	QPSK	1	1755	16.11	16.11	16.11	16.11	16.11	16.11
15	QPSK	1	1794	16.12	16.12	16.12	16.12	16.12	16.12
15	QPSK	1	1833	16.13	16.13	16.13	16.13	16.13	16.13
15	QPSK	1	1872	16.14	16.14	16.14	16.14	16.14	16.14
15	QPSK	1	1911	16.15	16.15	16.15	16.15	16.15	16.15
15	QPSK	1	1950	16.16	16.16	16.16	16.16	16.16	16.16
15	QPSK	1	1989	16.17	16.17	16.17	16.17	16.17	16.17
15	QPSK	1	2028	16.18	16.18	16.18	16.18	16.18	16.18
15	QPSK	1	2067	16.19	16.19	16.19	16.19	16.19	16.19
15	QPSK	1	2106	16.20	16.20	16.20	16.20	16.20	16.20
15	QPSK	1	2145	16.21	16.21	16.21	16.21	16.21	16.21
15	QPSK	1	2184	16.22	16.22	16.22	16.22	16.22	16.22
15	QPSK	1	2223	16.23	16.23	16.23	16.23	16.23	16.23
15	QPSK	1	2262	16.24	16.24	16.24	16.24	16.24	16.24
15	QPSK	1	2301	16.25	16.25	16.25	16.25	16.25	16.25
15	QPSK	1	2340	16.26	16.26	16.26	16.26	16.26	16.26
15	QPSK	1	2379	16.27	16.27	16.27	16.27	16.27	16.27
15	QPSK	1	2418	16.28	16.28	16.28	16.28	16.28	16.28
15	QPSK	1	2457	16.29	16.29	16.29	16.29	16.29	16.29
15	QPSK	1	2496	16.30	16.30	16.30	16.30	16.30	16.30
15	QPSK	1	2535	16.31	16.31	16.31	16.31	16.31	16.31
15	QPSK	1	2574	16.32	16.32	16.32	16.32	16.32	16.32
15	QPSK	1	2613	16.33	16.33	16.33	16.33	16.33	16.33
15	QPSK	1	2652	16.34	16.34	16.34	16.34	16.34	16.34
15	QPSK	1	2691	16.35	16.35	16.35	16.35	16.35	16.35
15	QPSK	1	2730	16.36	16.36	16.36	16.36	16.36	16.36
15	QPSK	1	2769	16.37	16.37	16.37	16.37	16.37	16.37
15	QPSK	1	2808	16.38	16.38	16.38	16.38	16.38	16.38
15	QPSK	1	2847	16.39	16.39	16.39	16.39	16.39	16.39
15	QPSK	1	2886	16.40	16.40	16.40	16.40	16.40	16.40
15	QPSK	1	2925	16.41	16.41	16.41	16.41	16.41	16.41
15	QPSK	1	2964	16.42	16.42	16.42	16.42	16.42	16.42
15	QPSK	1	3003	16.43	16.43	16.43	16.43	16.43	16.43
15	QPSK	1	3042	16.44	16.44	16.44	16.44	16.44	16.44
15	QPSK	1	3081	16.45	16.45	16.45	16.45	16.45	16.45
15	QPSK	1	3120	16.46	16.46	16.46	16.46	16.46	16.46
15	QPSK	1	3159	16.47	16.47	16.47	16.47	16.47	16.47
15	QPSK	1	3198	16.48	16.48	16.48	16.48	16.48	16.48
15	QPSK	1	3237	16.49	16.49	16.49	16.49	16.49	16.49
15	QPSK	1	3276	16.50	16.50	16.50	16.50	16.50	16.50
15	QPSK	1	3315	16.51	16.51	16.51	16.51	16.51	16.51
15	QPSK	1	3354	16.52	16.52	16.52	16.52	16.52	16.52
15	QPSK	1	3393	16.53	16.53	16.53			

UL CA

Full Power								Tune up Power (dBm)
CA 41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	22.18	24
40185	39987	QPSK	1	0	0	0	22.21	24
40620	40422	QPSK	1	0	0	0	22.27	24
41055	40857	QPSK	1	0	0	0	22.52	24
41490	41292	QPSK	1	0	0	0	22.55	24
39750	39948	16QAM	1	0	0	0	21.65	23
40185	39987	16QAM	1	0	0	0	21.56	23
40620	40422	16QAM	1	0	0	0	21.46	23
41055	40857	16QAM	1	0	0	0	21.44	23
41490	41292	16QAM	1	0	0	0	21.61	23
39750	39948	64QAM	1	0	0	0	20.32	22
40185	39987	64QAM	1	0	0	0	20.21	22
40620	40422	64QAM	1	0	0	0	20.14	22
41055	40857	64QAM	1	0	0	0	20.19	22
41490	41292	64QAM	1	0	0	0	20.4	22

Sensor on								Tune up Power (dBm)
CA 41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	50	0	0	0	18.21	19.5
40185	39987	QPSK	50	0	0	0	18.18	19.5
40620	40422	QPSK	50	0	0	0	18.31	19.5
41055	40857	QPSK	50	0	0	0	18.29	19.5
41490	41292	QPSK	50	0	0	0	18.03	19.5

Hotspot on								Tune up Power (dBm)
CA 41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	50	0	0	0	16.02	17
40185	39987	QPSK	50	0	0	0	15.89	17
40620	40422	QPSK	50	0	0	0	15.92	17
41055	40857	QPSK	50	0	0	0	15.99	17
41490	41292	QPSK	50	0	0	0	16.03	17

Handheld								Tune up Power (dBm)
CA 41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	20.12	21.5
40185	39987	QPSK	1	0	0	0	20.11	21.5
40620	40422	QPSK	1	0	0	0	20.03	21.5
41055	40857	QPSK	1	0	0	0	20.19	21.5
41490	41292	QPSK	1	0	0	0	19.83	21.5

2CA DL

Configure	CA List	PCC								DL Antenna Configuration	SCC				Power		
		LTE	Antenna Port	BW	UL	UL	Mod.	UL#	UL		LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
		Band		(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_5A-41A	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 41	20M	2593	40620	4x4MMMO	22.37	22.41		
	Band 5	2	10M	836.5	20525	QPSK	1	0	Band 41	20M	2593	40620	4x4MMMO	21.87	21.76		
CA_25A-41A	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 5	10M	881.5	2525		22.34	22.68	
	Band 25	2	20M	1880	26340	QPSK	1	0	4x4MMMO	Band 41	20M	2593	40620	4x4MMMO	22.21	22.39	
CA_26A-41A	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 25	20M	1962.5	8365	4x4MMMO	22.41	22.68	
	Band 26	1	15M	831.5	26865	QPSK	1	0	Band 41	20M	2593	40620	4x4MMMO	22.54	22.94		
	Band 26	2	15M	831.5	26865	QPSK	1	0	Band 41	20M	2593	40620	4x4MMMO	22.12	22.70		
	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 26	15M	876.5	8865		22.48	22.68	
CA_13A-66A	Band 13	1	10M	762	23230	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886		22.34	22.58	
	Band 66	1	20M	1745	132332	QPSK	1	0	Band 13	10M	751	5230	4x4MMMO	22.43	22.57		
CA_41A-41A	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	5M	2687.5	41565	4x4MMMO	22.44	22.68	



3CA DL

<Inter-Band for Three Carrier Combination> (two bands)

Configure	PCC									SCC1					SCC2					Power	
	LTE	Antenna Port	BW	UL	Channel	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band		(MHz)	Freq.			RB	(MHz)		Band	(MHz)	Freq.	Channel		Band	(MHz)	Freq.	Channel		Tx. Power (dBm)	Tx. Power (dBm)
				(MHz)								Offset					(MHz)				
CA_2A-2A-13A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230		22.41	22.38
CA_5B-66A	Band 13	1	10M	752	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.43	22.58
	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 5	10M	891.4	2624		Band 66	20M	2155	66886	4x4MIMO	22.34	22.41
	Band 5	2	10M	836.5	20525	QPSK	1	0		Band 5	10M	891.4	2624		Band 66	20M	2155	66886	4x4MIMO	21.56	21.76
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		22.45	22.57
CA_13A-66A-66A	Band 13	1	10M	762	23230	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.44	22.58
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 13	10M	751	5230		22.53	22.57

3CA DL

Inter-Band for Three Carrier Combination> (three bands)

Configure		PCC										SCC1				SCC2				Power		
		LTE	Antenna Port	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL# Offset	DL Antenna Configuration	LTE	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
		Band									Band					Band						
CA_2A-4A-5A	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	22.24	22.38	
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.27	22.42	
	Band 5	1	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.21	22.41	
	Band 5	2	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	21.89	21.76	
CA_2A-4A-71A	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 71	20M	637	68786	4xMIMO	22.20	22.38	
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 71	20M	637	68786	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.21	22.42	
	Band 71	1	20M	683	133322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	23.01	22.89	
	Band 71	2	20M	683	133322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.34	22.46	
CA_2A-4A-29A	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 29	10M	722.5	9715	4xMIMO	22.26	22.38	
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 29	10M	722.5	9715	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.30	22.42	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 30	10M	2355	9820	4xMIMO	22.24	22.38	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.22	22.42	
CA_2A-4A-30A	Band 4	1	10M	2310	27710	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 2	20M	2132.5	2175	4xMIMO	21.67	21.70	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	Band 30	10M	2355	9820	4xMIMO	22.19	22.38	
	Band 5	1	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.07	22.41	
	Band 5	2	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 2	20M	1960	900	4xMIMO	21.56	21.76	
CA_2A-5A-30A	Band 30	1	10M	2310	27710	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	21.90	21.70	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 12	10M	737.5	5095	4xMIMO	Band 30	10M	2355	9820	4xMIMO	22.20	22.38	
	Band 12	1	10M	707.5	23095	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.89	22.95	
	Band 12	2	10M	707.5	23095	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.43	22.62	
CA_2A-12A-30A	Band 30	1	10M	2310	27710	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 12	10M	737.5	5095	4xMIMO	21.65	21.70	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 14	10M	763	5330	4xMIMO	Band 30	10M	2355	9820	4xMIMO	22.15	22.38	
	Band 14	1	10M	793	23330	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 2	20M	1960	900	4xMIMO	23.08	23.09	
	Band 30	1	10M	2310	27710	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 14	10M	763	5330	4xMIMO	21.87	21.70	
CA_2A-14A-66A	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 14	10M	763	5330	4xMIMO	Band 66	20M	2155	66886	4xMIMO	22.29	22.38	
	Band 14	1	10M	793	23330	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	Band 2	20M	1960	900	4xMIMO	23.06	23.09	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 14	10M	763	5330	4xMIMO	22.23	22.57	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 29	10M	722.5	9715	4xMIMO	Band 30	10M	2355	9820	4xMIMO	22.19	22.38	
CA_2A-30A-66A	Band 30	1	10M	2310	27710	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 29	10M	722.5	9715	4xMIMO	21.93	21.70	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 66	20M	2155	66886	4xMIMO	22.21	22.38	
	Band 30	1	10M	2310	27710	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	Band 2	20M	1960	900	4xMIMO	21.84	21.70	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 30	10M	2355	9820	4xMIMO	22.21	22.57	
CA_2A-5B	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	Band 5	5M	881.2	2597	4xMIMO	22.27	22.38	
	Band 5	1	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 5	5M	881.2	2597	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.14	22.41	
	Band 5	2	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 5	5M	881.2	2597	4xMIMO	Band 2	20M	1960	900	4xMIMO	21.55	21.76	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	20M	1979.8	1098	4xMIMO	Band 12	10M	737.5	5095	4xMIMO	22.31	22.38	
CA_2C-12A	Band 12	1	10M	707.5	23095	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 2	20M	1979.8	1098	4xMIMO	23.09	22.95	
	Band 12	2	10M	707.5	23095	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 2	20M	1979.8	1098	4xMIMO	22.34	22.62	
CA_2A-2A-29A	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 29	10M	722.5	9715	4xMIMO	22.33	22.38	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 30	10M	2355	9820	4xMIMO	22.24	22.38	
CA_2A-2A-30A	Band 30	1	10M	2310	27710	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	21.67	21.70	
	Band 4	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	22.32	22.42	
CA_4A-4A-5A	Band 5	1	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	22.09	22.41	
	Band 5	2	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	21.54	21.76	
CA_4A-4A-29A	Band 4	1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	Band 29	10M	722.5	9715	4xMIMO	22.34	22.42	
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	Band 30	10M	2355	9820	4xMIMO	22.37	22.42	
CA_4A-4A-30A	Band 30	1	10M	2310	27710	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	21.95	21.70	
	Band 41	1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	Band 41	20M	2675.8	41448	4xMIMO	22.6	22.68	
CA_41A-41C	Band 41	1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2612.8	40818	4xMIMO	Band 41	5M	2498.5	39675	4xMIMO	22.55	22.68	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	22.56	22.38	
CA_66A-66B	Band 7	1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.35	22.45	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2121.5	66461	4xMIMO	Band 66	15M	2121.8	66554	4xMIMO	22.43	22.57	
CA_4A-4A-71A	Band 66	1	15M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2164.3	66979	4xMIMO	Band 66	20M	2120	66536	4xMIMO	22.44	22.57	
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	Band 71	20M	637	68786	4xMIMO	22.23	22.42	
CA_4A-4A-71A	Band 71	1	20M	683	133322	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	22.90	22.92	
	Band 71	2	20M	683	133322	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	22.33	22.42	
CA_4A-5A-30A	Band 4	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 5	5M	881.5	2525	4xMIMO	Band 30	10M	2355	9820	4xMIMO	22.30	22.42	
	Band 5	1	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.33	22.41	
	Band 5	2	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	21.54	21.76	
	Band 30	1	10M	2310	27710	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	21.65	21.70	
CA_4A-12A-30A	Band 4	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 12	5M	737.5	5095	4xMIMO	Band 30	10M	2355	9820				

4CA DL

<Inter-Band for Three Carrier Combination> (four bands)

Configure		POC								SCC1				SCC2				SCC3								Power	
		LTE	Antenna Port	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
Band		(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx Power (dBm)	Tx Power (dBm)		
CA_2A-2A-4A-71A	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 71	20M	637	68786		22.32	22.38	
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 71	20M	637	68786		Band 2	20M	1880	900	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	22.28	22.42	
	Band 71	1	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	23.07	22.89	
	Band 71	2	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	22.32	22.46	
CA_2A-2A-5A-66A	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	Band 5	10M	861.5	2525		Band 66	20M	2155	66886	4xMIMO	22.34	22.38	
	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	22.12	22.41	
	Band 5	2	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	21.56	21.76	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 5	10M	861.5	2525		Band 2	20M	1880	900	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	22.34	22.57	
CA_2A-2A-12A-66A	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4xMIMO	22.33	22.38	
	Band 12	1	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	23.01	22.95	
	Band 12	2	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	22.44	22.62	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 12	10M	737.5	5095		Band 2	20M	1880	900	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	22.21	22.57	
CA_2A-2A-14A-66A	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	Band 14	10M	763	5330		Band 66	20M	2155	66886	4xMIMO	22.30	22.38	
	Band 14	1	10M	763	23330	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	23.05	23.09	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 14	10M	763	5330		Band 2	20M	1880	900	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	22.34	22.57	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	20M	1979.8	1098	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 66	20M	2155	66886	4xMIMO	22.30	22.38	
CA_2A-2A-66B	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 2	20M	900	1960	4xMIMO	Band 2	20M	1979.8	1098	4xMIMO	22.32	22.57	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	Band 66	15M	2155	66886	4xMIMO	Band 66	5M	2164.3	66979	4xMIMO	22.38	22.38	
	Band 66	1	15M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2164.3	66979	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	22.33	22.57	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	Band 66	20M	2155	66886	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	22.38	22.38	
CA_2A-2A-66C	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	22.31	22.57	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	Band 66	20M	2155	66886	4xMIMO	Band 66	20M	2197.5	67311	4xMIMO	22.29	22.38	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	22.32	22.57	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	Band 66	20M	2155	66886	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	22.38	22.38	
CA_2A-2A-66A-66A	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	22.29	22.57	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	Band 66	20M	2155	66886	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	22.38	22.38	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	Band 66	20M	2155	66886	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	22.38	22.38	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 71	20M	637	68786		Band 2	20M	1880	900	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	22.32	22.57	
CA_2A-2A-66A-71A	Band 71	1	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	23.06	22.89	
	Band 71	2	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1967.5	1175	4xMIMO	22.43	22.46	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	Band 12	10M	737.5	5095		22.27	22.38	
	Band 4	1	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.34	22.42	
CA_2A-4A-4A-12A	Band 12	1	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.98	22.95	
	Band 12	2	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.55	22.62	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 5	10M	861.5	2525		Band 66	20M	2155	66886	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	22.37	22.38	
	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 2	20M	1880	900	4xMIMO	22.19	22.41	
CA_2A-5A-66A-66A	Band 5	2	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 2	20M	1880	900	4xMIMO	21.56	21.76	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 5	10M	836.5	2525		Band 2	20M	1880	900	4xMIMO	22.34	22.57	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	22.38	22.38	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	Band 12	10M	737.5	5095		Band 2	20M	1880	900	4xMIMO	22.32	22.57	
CA_2A-12A-66C	Band 12	1	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	Band 2	20M	1880	900	4xMIMO	22.92	22.95	
	Band 12	2	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	Band 2	20M	1880	900	4xMIMO	22.60	22.62	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	22.21	22.38	
	Band 12	1	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 2	20M	1880	900	4xMIMO	23.01	22.95	
CA_2A-12A-66A-66A	Band 12	2	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 2	20M	1880	900	4xMIMO	22.56	22.62	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 12	10M	737.5	5095		Band 2	20M	1880	900	4xMIMO	22.33	22.57	
	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	Band 71	20M	637	68786		22.26	22.38	
	Band 71	1	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	Band 2	20M	1880	900	4xMIMO	23.01	22.89	
CA_2A-66A-66A-71A	Band 71	2	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	Band 2	20M	1880	900	4xMIMO	22.34	22.46	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	Band 71												

Full Power Mode for ANT3

n66 (only SCS15KHz has 5M BW)								
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	Tune-up limit (dBm)	MPR (dB)
20	PI/2 BPSK	1	1	23.66	23.67	23.65	24.0	0.0
20	PI/2 BPSK	1	53	22.95	23.09	22.98		
20	PI/2 BPSK	1	104	23.52	23.64	23.49		
20	PI/2 BPSK	50	0	22.47	22.62	22.48	24.0	0.0
20	PI/2 BPSK	50	28	22.93	23.03	22.97		
20	PI/2 BPSK	50	56	22.60	22.75	22.81		
20	PI/2 BPSK	100	0	22.57	22.72	22.53	23.5	0.5
20	QPSK	1	1	23.67	23.81	23.83	24.0	0.0
20	QPSK	1	53	22.97	23.09	22.86		
20	QPSK	1	104	23.48	23.63	23.42		
20	QPSK	50	0	22.23	22.33	22.14	24.0	0.0
20	QPSK	50	28	23.31	23.43	23.23		
20	QPSK	50	56	22.15	22.28	22.05		
20	QPSK	100	0	22.12	22.30	22.07	23.0	1.0
20	16QAM	1	1	23.11	23.25	23.03	23.0	1.0
20	64QAM	1	1	21.22	21.23	21.02	21.5	2.5
20	256QAM	1	1	19.12	19.23	19.02	19.5	4.5
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.24	23.21	23.22	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.15	23.25	23.09	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	23.12	23.15	23.32	24.0	0.0

Full Power Mode for ANT1

n2 (only SCS15KHz has 5M BW)								
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				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	22.76	22.92	23.05	24.0	0.0
20	PI2 BPSK	1	53	22.56	22.99	23.12		
20	PI2 BPSK	1	104	22.76	23.04	23.17		
20	PI2 BPSK	50	0	22.12	22.36	22.49	24.0	0.0
20	PI2 BPSK	50	28	22.87	23.03	23.16		
20	PI2 BPSK	50	56	22.32	22.46	22.59		
20	PI2 BPSK	100	0	22.32	22.54	22.67	23.5	0.5
20	QPSK	1	1	22.76	23.20	23.09	24.0	0.0
20	QPSK	1	53	22.92	23.06	23.19		
20	QPSK	1	104	22.93	23.13	23.26		
20	QPSK	50	0	22.83	23.19	22.89	24.0	0.0
20	QPSK	50	28	22.53	23.05	23.18		
20	QPSK	50	56	21.89	22.12	22.25		
20	QPSK	100	0	21.84	22.32	22.22	23.0	1.0
20	16QAM	1	1	21.95	21.91	22.04	23.0	1.0
20	64QAM	1	1	20.56	20.79	20.92	21.5	2.5
20	256QAM	1	1	18.95	18.96	19.09	19.5	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.65	22.91	23.04	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.10	23.21	23.02	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.98	23.14	23.27	24.0	0.0

n25								
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				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI2 BPSK	1	1	22.91	23.08	22.94	24.0	0.0
20	PI2 BPSK	1	53	22.94	23.06	22.98		
20	PI2 BPSK	1	104	23.08	23.12	23.10		
20	PI2 BPSK	50	0	22.54	22.57	22.57	24.0	0.0
20	PI2 BPSK	50	28	22.84	22.88	22.96		
20	PI2 BPSK	50	56	22.97	23.03	23.01		
20	PI2 BPSK	100	0	22.64	22.66	22.63	23.5	0.5
20	QPSK	1	1	23.21	23.39	23.11	24.0	0.0
20	QPSK	1	53	23.02	23.08	23.01		
20	QPSK	1	104	23.11	23.17	23.14		
20	QPSK	50	0	22.01	22.56	22.00	24.0	0.0
20	QPSK	50	28	22.97	23.01	22.67		
20	QPSK	50	56	22.01	22.01	22.02		
20	QPSK	100	0	22.15	22.19	22.14	23.0	1.0
20	16QAM	1	1	21.92	21.94	21.89	23.0	1.0
20	64QAM	1	1	20.84	20.88	20.84	21.5	2.5
20	256QAM	1	1	19.32	19.33	19.22	19.5	4.5
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.52	23.38	23.11	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.29	23.33	23.10	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.15	23.21	23.05	24.0	0.0

n66 (only SCS15KHz has 5M BW)									
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	23.58	23.45	23.54	24.0	0.0	
20	PI/2 BPSK	1	53	23.03	23.10	23.14			
20	PI/2 BPSK	1	104	23.58	23.65	23.69			
20	PI/2 BPSK	50	0	22.65	22.72	22.76	24.0	0.0	
20	PI/2 BPSK	50	28	22.94	23.01	23.05			
20	PI/2 BPSK	50	56	22.62	22.69	22.73			
20	PI/2 BPSK	100	0	22.54	22.61	22.65	23.5	0.5	
20	QPSK	1	1	23.53	23.70	23.64	24.0	0.0	
20	QPSK	1	53	22.98	23.05	23.09			
20	QPSK	1	104	23.64	23.55	23.56			
20	QPSK	50	0	22.22	22.29	22.33	24.0	0.0	
20	QPSK	50	28	23.03	23.24	23.14			
20	QPSK	50	56	22.17	22.24	22.28			
20	QPSK	100	0	22.09	22.23	22.20	23.0	1.0	
20	16QAM	1	1	22.72	22.79	22.83	23.0	1.0	
20	64QAM	1	1	21.43	21.50	21.54	21.5	2.5	
20	256QAM	1	1	18.88	18.95	18.99	19.5	4.5	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.39	23.46	23.50	24.0	0.0	
Channel				343000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.54	23.61	23.65	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.17	23.24	23.28	24.0	0.0	

n71 (only SCS15KHz has 5M BW)									
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				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	23.65	23.36	23.51	24.0	0.0	
20	PI/2 BPSK	1	53	23.66	23.37	23.52			
20	PI/2 BPSK	1	104	23.58	23.29	23.44			
20	PI/2 BPSK	50	0	23.31	23.02	23.17	24.0	0.0	
20	PI/2 BPSK	50	28	23.63	23.34	23.49			
20	PI/2 BPSK	50	56	23.10	22.81	22.96			
20	PI/2 BPSK	100	0	23.32	23.03	23.18	23.5	0.5	
20	QPSK	1	1	23.72	23.43	23.58	24.0	0.0	
20	QPSK	1	53	23.70	23.41	23.56			
20	QPSK	1	104	23.66	23.37	23.52			
20	QPSK	50	0	22.79	22.50	22.65	24.0	0.0	
20	QPSK	50	28	23.75	23.46	23.61			
20	QPSK	50	56	22.62	22.33	22.48			
20	QPSK	100	0	22.82	22.53	22.68	23.0	1.0	
20	16QAM	1	1	23.10	22.81	22.96	23.0	1.0	
20	64QAM	1	1	21.08	20.79	20.94	21.5	2.5	
20	256QAM	1	1	20.64	20.35	20.50	19.5	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	23.72	23.43	23.58	24.0	0.0	
Channel				133600	136100	136900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	23.85	23.56	23.71	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	23.86	23.57	23.72	24.0	0.0	

n41 for FCC-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	518598	528000	27.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	26.12	26.25	25.40			
100	PI/2 BPSK	1	137	26.11	25.03	26.22			
100	PI/2 BPSK	1	271	24.93	26.23	25.59	27.0	0.0	
100	PI/2 BPSK	135	0	25.63	25.69	25.22			
100	PI/2 BPSK	135	69	26.13	25.44	25.96			
100	PI/2 BPSK	135	138	25.68	25.22	24.97			
100	PI/2 BPSK	270	0	25.75	25.72	25.11	26.5	0.5	
100	QPSK	1	1	25.90	26.30	25.54	27.0	0.0	
100	QPSK	1	137	26.24	24.27	25.68			
100	QPSK	1	271	24.31	25.85	24.73			
100	QPSK	135	0	25.55	26.22	25.13			
100	QPSK	135	69	26.15	24.79	25.26	27.0	0.0	
100	QPSK	135	138	25.02	24.16	23.84			
100	QPSK	270	0	24.92	25.24	24.06			
100	16QAM	1	1	25.11	25.14	23.88		26.0	
100	64QAM	1	1	23.64	23.85	22.74	24.5	2.5	
100	256QAM	1	1	21.64	21.65	21.51	22.5	4.5	
Channel				508200	518598	528996	27.0	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	25.83	26.07	24.80		27.0	
Channel				507204	518598	529998	27.0	0.0	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	25.80	26.01	24.78		27.0	
Channel				506200	518598	531996	27.0	0.0	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	25.79	26.11	24.70		27.0	
Channel				504204	518598	532998	27.0	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	25.77	25.98	24.73		27.0	
Channel				503202	518598	534000	27.0	0.0	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	25.79	25.96	24.72		27.0	
Channel				501204	518598	535998	27.0	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	25.81	25.93	24.63		27.0	

n41 for FCC									
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	518598	528000	24.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.47	23.31	23.50			
100	PI/2 BPSK	1	137	23.65	23.51	23.46			
100	PI/2 BPSK	1	271	23.48	23.33	23.53	24.0	0.0	
100	PI/2 BPSK	135	0	23.43	23.25	23.44			
100	PI/2 BPSK	135	69	23.41	23.27	23.46			
100	PI/2 BPSK	135	138	23.45	23.26	23.45			
100	PI/2 BPSK	270	0	23.41	23.30	23.51	23.5	0.5	
100	QPSK	1	1	23.52	23.69	23.60	24.0	0.0	
100	QPSK	1	137	23.31	23.14	23.33			
100	QPSK	1	271	23.35	23.55	23.46			
100	QPSK	135	0	23.62	23.45	23.67			
100	QPSK	135	69	23.57	23.68	23.56	24.0	0.0	
100	QPSK	135	138	23.56	23.41	23.62			
100	QPSK	270	0	22.65	22.55	22.56		23.0	
100	16QAM	1	1	22.66	22.54	22.45		23.0	
100	64QAM	1	1	21.56	21.25	21.22	21.5	2.5	
100	256QAM	1	1	19.11	19.02	19.21	19.5	4.5	
Channel				508200	518598	528996	24.0	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.61	23.45	23.67		24.0	
Channel				507204	518598	529998	24.0	0.0	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.46	23.27	23.45		24.0	
Channel				506200	518598	531996	24.0	0.0	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.55	23.63	23.56		24.0	
Channel				504204	518598	532998	24.0	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.04	22.93	23.14		24.0	
Channel				503202	518598	534000	24.0	0.0	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.58	23.38	23.57		24.0	
Channel				501204	518598	535998	24.0	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.56	23.65	23.56		24.0	

Full Power Mode for ANT2

n5 (only SCS15KHz has 5M BW)								
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				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.67	23.68	23.56	24.0	0.0
20	PI/2 BPSK	1	53	23.69	23.68	23.47		
20	PI/2 BPSK	1	104	23.46	23.34	23.25		
20	PI/2 BPSK	50	0	23.14	23.05	23.00	24.0	0.0
20	PI/2 BPSK	50	28	23.47	23.25	23.45		
20	PI/2 BPSK	50	56	23.24	23.12	23.00		
20	PI/2 BPSK	100	0	23.35	23.23	23.11	23.5	0.5
20	QPSK	1	1	23.58	23.70	23.65	24.0	0.0
20	QPSK	1	53	23.58	23.46	23.36		
20	QPSK	1	104	23.47	23.45	23.25		
20	QPSK	50	0	22.69	22.77	22.65	24.0	0.0
20	QPSK	50	28	23.38	23.54	23.43		
20	QPSK	50	56	22.83	22.71	22.59		
20	QPSK	100	0	22.89	22.90	22.65	23.0	1.0
20	16QAM	1	1	22.84	22.72	22.60	23.0	1.0
20	64QAM	1	1	21.23	21.12	21.21	21.5	2.5
20	256QAM	1	1	19.21	19.09	19.02	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.78	23.77	23.87	24.0	0.0
Channel				165800	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.78	23.66	23.78	24.0	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.67	23.76	24.14	24.0	0.0

n71 (only SCS15KHz has 5M BW)								
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				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	23.96	23.83	23.89	25.0	0.0
20	PI/2 BPSK	1	53	24.09	23.96	24.02		
20	PI/2 BPSK	1	104	23.93	23.80	23.86		
20	PI/2 BPSK	50	0	23.48	23.35	23.41	25.0	0.0
20	PI/2 BPSK	50	28	24.08	23.95	24.01		
20	PI/2 BPSK	50	56	23.48	23.35	23.41		
20	PI/2 BPSK	100	0	23.89	23.46	23.52	24.5	0.5
20	QPSK	1	1	24.00	24.16	23.93	25.0	0.0
20	QPSK	1	53	24.12	23.99	24.05		
20	QPSK	1	104	23.96	23.83	23.89		
20	QPSK	50	0	23.01	22.88	22.94	25.0	0.0
20	QPSK	50	28	24.11	24.13	24.08		
20	QPSK	50	56	22.99	22.86	22.92		
20	QPSK	100	0	23.11	23.12	23.04	24.0	1.0
20	16QAM	1	1	23.06	22.93	22.99	24.0	1.0
20	64QAM	1	1	22.13	22.00	22.06	22.5	2.5
20	256QAM	1	1	20.08	19.95	20.01	20.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	24.19	24.06	24.12	25.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				669	680.5	692		
10	QPSK	1	1	24.08	23.95	24.01	25.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	24.28	24.15	24.21	25.0	0.0

n25								
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				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	23.03	23.12	22.97	24.0	0.0
20	PI/2 BPSK	1	53	23.08	23.09	23.05		
20	PI/2 BPSK	1	104	23.11	23.01	23.11		
20	PI/2 BPSK	50	0	22.51	22.61	22.55	24.0	0.0
20	PI/2 BPSK	50	28	23.10	23.02	23.01		
20	PI/2 BPSK	50	56	22.63	22.51	22.55		
20	PI/2 BPSK	100	0	22.71	22.71	22.72	24.0	0.5
20	QPSK	1	1	23.04	23.22	23.10	24.0	0.0
20	QPSK	1	53	23.03	23.11	23.09		
20	QPSK	1	104	23.09	23.01	23.21		
20	QPSK	50	0	22.10	22.15	22.11	24.0	0.0
20	QPSK	50	28	23.12	23.16	23.15		
20	QPSK	50	56	22.15	22.11	22.14		
20	QPSK	100	0	22.29	22.30	22.25	24.0	1.0
20	16QAM	1	1	21.75	22.61	22.01	24.0	1.0
20	64QAM	1	1	20.77	20.68	20.67	24.0	2.5
20	256QAM	1	1	19.74	19.49	19.71	24.0	4.5
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.13	23.15	23.14	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.15	23.21	23.13	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.20	23.21	23.17	24.0	0.0

Reduced power Mode for P-Sensor On for ANT1 -SA

n41 for FCC-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	518598	528000	18.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.29	17.55	17.22	18.5	0.0	
100	PI/2 BPSK	1	137	17.39	17.77	17.22			
100	PI/2 BPSK	1	271	17.19	17.68	17.27	18.5	0.0	
100	PI/2 BPSK	135	0	17.36	17.63	17.04			
100	PI/2 BPSK	135	69	17.42	17.66	17.03	18.5	0.0	
100	PI/2 BPSK	135	138	17.19	17.65	17.27			
100	PI/2 BPSK	270	0	17.29	17.63	17.23	18.5	0.0	
100	QPSK	1	1	17.54	17.83	17.30			
100	QPSK	1	137	17.29	17.53	17.37	18.5	0.0	
100	QPSK	1	271	17.30	17.80	17.13			
100	QPSK	135	0	17.51	17.69	17.46	18.5	0.0	
100	QPSK	135	69	17.32	17.54	17.40			
100	QPSK	135	138	17.27	17.65	17.22	18.5	0.0	
100	QPSK	270	0	17.28	17.66	17.24			
100	16QAM	1	1	17.12	17.48	17.20	18.5	0.0	
100	64QAM	1	1	17.23	17.52	17.25			
100	256QAM	1	1	17.39	17.42	17.19	18.5	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98	18.5	0.0	
90	QPSK	1	1	16.77	16.74	17.06			
Channel				507204	518598	529998	18.5	0.0	
Frequency (MHz)				2636.02	2692.99	2649.99			
80	QPSK	1	1	16.70	16.80	16.72	18.5	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2626	2692.99	2659.98	18.5	0.0	
60	QPSK	1	1	16.85	17.08	16.85			
Channel				504204	518598	532998	18.5	0.0	
Frequency (MHz)				2621.02	2692.99	2664.99			
50	QPSK	1	1	16.61	16.74	16.86	18.5	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670	18.5	0.0	
40	QPSK	1	1	16.96	16.96	16.90			
Channel				501204	518598	535998	18.5	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	16.52	16.70	16.65	18.5	0.0	

n41 for FCC									
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	518598	528000	18.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	16.74	16.83	16.68	18.5	0.0	
100	PI/2 BPSK	1	137	16.90	17.06	16.68			
100	PI/2 BPSK	1	271	16.66	17.09	16.74	18.5	0.0	
100	PI/2 BPSK	135	0	16.72	16.97	16.95			
100	PI/2 BPSK	135	69	16.81	17.05	16.89	18.5	0.0	
100	PI/2 BPSK	135	138	16.65	16.97	16.73			
100	PI/2 BPSK	270	0	16.83	17.03	16.78	18.5	0.0	
100	QPSK	1	1	16.96	17.16	16.80			
100	QPSK	1	137	16.66	16.60	16.74	18.5	0.0	
100	QPSK	1	271	16.72	16.77	16.67			
100	QPSK	135	0	16.54	16.80	16.70	18.5	0.0	
100	QPSK	135	69	16.50	16.69	16.58			
100	QPSK	135	138	16.50	16.69	16.77	18.5	0.0	
100	QPSK	270	0	16.41	16.78	16.66			
100	16QAM	1	1	16.69	17.00	16.77	18.5	0.0	
100	64QAM	1	1	16.72	16.88	16.68			
100	256QAM	1	1	16.74	16.70	16.65	18.5	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98	18.5	0.0	
90	QPSK	1	1	16.99	17.37	16.82			
Channel				507204	518598	529998	18.5	0.0	
Frequency (MHz)				2636.02	2692.99	2649.99			
80	QPSK	1	1	16.87	17.25	16.82	18.5	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2626	2692.99	2659.98	18.5	0.0	
60	QPSK	1	1	16.72	17.08	16.80			
Channel				504204	518598	532998	18.5	0.0	
Frequency (MHz)				2621.02	2692.99	2664.99			
50	QPSK	1	1	16.87	17.25	16.82	18.5	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670	18.5	0.0	
40	QPSK	1	1	17.14	17.43	16.99			
Channel				501204	518598	535998	18.5	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	16.85	17.08	16.85	18.5	0.0	

n2 (only SCS15KHz has 5M BW)								
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				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	17.82	17.86	17.82	19.0	0.0
20	PI/2 BPSK	1	53	17.81	17.79	17.88		
20	PI/2 BPSK	1	104	17.62	17.89	17.85		
20	PI/2 BPSK	50	0	17.66	17.78	17.77	19.0	0.0
20	PI/2 BPSK	50	28	17.53	17.83	17.89		
20	PI/2 BPSK	50	56	17.63	17.90	17.92		
20	PI/2 BPSK	100	0	17.88	18.05	17.92	19.0	0.0
20	QPSK	1	1	17.77	18.06	17.82	19.0	0.0
20	QPSK	1	53	17.89	17.91	17.66		
20	QPSK	1	104	17.82	17.86	17.82		
20	QPSK	50	0	17.63	17.77	17.72	19.0	0.0
20	QPSK	50	28	17.89	17.95	17.63		
20	QPSK	50	56	17.85	17.93	17.69		
20	QPSK	100	0	17.67	17.92	17.85	19.0	0.0
20	16QAM	1	1	17.56	17.67	17.75	19.0	0.0
20	64QAM	1	1	17.63	17.66	17.77	19.0	0.0
20	256QAM	1	1	17.50	17.81	17.62	19.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	17.63	17.80	17.62	19.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	17.53	17.75	17.75	19.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	17.63	17.72	17.66	19.0	0.0

n25								
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				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	18.23	18.21	18.21	19.0	0.0
20	PI/2 BPSK	1	53	18.12	18.17	18.11		
20	PI/2 BPSK	1	104	18.05	18.10	18.24		
20	PI/2 BPSK	50	0	18.12	18.16	18.22	19.0	0.0
20	PI/2 BPSK	50	28	18.16	18.14	18.23		
20	PI/2 BPSK	50	56	18.14	18.18	18.22		
20	PI/2 BPSK	100	0	18.13	18.23	18.21	19.0	0.0
20	QPSK	1	1	18.09	18.30	18.24	19.0	0.0
20	QPSK	1	53	18.05	18.24	18.19		
20	QPSK	1	104	18.14	18.13	18.11		
20	QPSK	50	0	18.16	18.29	18.25	19.0	0.0
20	QPSK	50	28	18.02	18.11	18.29		
20	QPSK	50	56	18.05	18.28	18.21		
20	QPSK	100	0	18.21	18.27	18.19	19.0	0.0
20	16QAM	1	1	18.16	18.09	18.11	19.0	0.0
20	64QAM	1	1	18.21	18.21	18.12	19.0	0.0
20	256QAM	1	1	18.10	18.12	18.09	19.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	18.26	18.24	18.14	19.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	18.12	18.23	18.21	19.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	18.11	18.25	18.14	19.0	0.0

n66 (only SCS15KHz has 5M BW)								
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	17.88	17.94	17.91	19.0	0.0
20	PI/2 BPSK	1	53	17.64	17.39	17.67		
20	PI/2 BPSK	1	104	17.80	17.89	17.79		
20	PI/2 BPSK	50	0	17.61	17.51	17.61	19.0	0.0
20	PI/2 BPSK	50	28	17.34	17.39	17.44		
20	PI/2 BPSK	50	56	17.53	17.54	17.54		
20	PI/2 BPSK	100	0	17.55	17.53	17.80	19.0	0.0
20	QPSK	1	1	17.82	17.95	17.89	19.0	0.0
20	QPSK	1	53	17.40	17.38	17.51		
20	QPSK	1	104	17.77	17.87	17.67		
20	QPSK	50	0	17.63	17.67	17.66	19.0	0.0
20	QPSK	50	28	17.64	17.43	17.30		
20	QPSK	50	56	17.49	17.51	17.64		
20	QPSK	100	0	17.46	17.50	17.53	19.0	0.0
20	16QAM	1	1	17.88	17.91	17.83	19.0	0.0
20	64QAM	1	1	17.67	17.90	17.41	19.0	0.0
20	256QAM	1	1	17.83	17.77	17.66	19.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.83	17.88	17.83	19.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.86	17.87	17.81	19.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.88	17.90	17.82	19.0	0.0

Reduced power Mode for Hotspot On for ANT1 -SA

n41 for FCC-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	518598	528000	15.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	14.32	14.47	14.27	15.5	0.0	
100	PI/2 BPSK	1	137	14.41	14.68	14.29			
100	PI/2 BPSK	1	271	14.26	14.66	14.34			
100	PI/2 BPSK	135	0	14.38	14.55	14.09	15.5	0.0	
100	PI/2 BPSK	135	69	14.44	14.59	14.09			
100	PI/2 BPSK	135	138	14.29	14.57	14.37			
100	PI/2 BPSK	270	0	14.32	14.55	14.28	15.5	0.0	
100	QPSK	1	1	14.56	14.74	14.46			
100	QPSK	1	137	14.36	14.51	14.44			
100	QPSK	1	271	14.32	14.72	14.18	15.5	0.0	
100	QPSK	135	0	14.53	14.62	14.52			
100	QPSK	135	69	14.42	14.56	14.50			
100	QPSK	135	138	14.30	14.57	14.27	15.5	0.0	
100	QPSK	270	0	14.30	14.57	14.31			
100	16QAM	1	1	14.24	14.53	14.46			
100	64QAM	1	1	14.25	14.44	14.30	15.5		
100	256QAM	1	1	14.41	14.35	14.25	15.5		
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	14.31	14.44	14.25	15.5		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	14.30	14.49	14.32	15.5		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	14.27	14.38	14.35	15.5		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	13.91	14.34	14.46	15.5		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	14.55	14.55	14.52	15.5		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	14.10	14.29	14.27	15.5		

n41 for FCC									
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	518598	528000		15.5	0.0
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	14.44	14.43	14.28		15.5	0.0
100	PI/2 BPSK	1	137	14.50	14.66	14.28			
100	PI/2 BPSK	1	271	14.26	14.69	14.34			
100	PI/2 BPSK	135	0	14.31	14.57	14.55		15.5	0.0
100	PI/2 BPSK	135	69	14.41	14.67	14.48			
100	PI/2 BPSK	135	138	14.28	14.61	14.36			
100	PI/2 BPSK	270	0	14.43	14.63	14.38		15.5	0.0
100	QPSK	1	1	14.56	14.78	14.40			
100	QPSK	1	137	14.26	14.20	14.34			
100	QPSK	1	271	14.31	14.37	14.27		15.5	0.0
100	QPSK	135	0	14.14	14.42	14.29			
100	QPSK	135	69	14.13	14.33	14.21			
100	QPSK	135	138	14.10	14.29	14.37		15.5	0.0
100	QPSK	270	0	14.01	14.38	14.26			
100	16QAM	1	1	14.34	14.67	14.28			
100	64QAM	1	1	14.31	14.48	14.28	15.5		
100	256QAM	1	1	14.34	14.32	14.24	15.5		
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	14.73	14.74	14.69	15.5		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	14.69	14.94	14.60	15.5		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	14.68	15.02	14.76	15.5		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	14.54	15.16	14.73	15.5		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	14.70	14.50	14.68	15.5		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	14.71	14.56	14.51	15.5		

n2 (only SCS15KHz has 5M BW)								
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				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	16.54	16.60	16.58	18.0	0.0
20	PI/2 BPSK	1	53	16.52	16.56	16.54		
20	PI/2 BPSK	1	104	16.54	16.62	16.61		
20	PI/2 BPSK	50	0	16.53	16.52	16.68	18.0	0.0
20	PI/2 BPSK	50	28	16.58	16.51	16.62		
20	PI/2 BPSK	50	56	16.52	16.63	16.72		
20	PI/2 BPSK	100	0	16.55	16.62	16.75	18.0	0.0
20	QPSK	1	1	16.78	16.81	16.79	18.0	0.0
20	QPSK	1	53	16.71	16.74	16.72		
20	QPSK	1	104	16.69	16.75	16.72		
20	QPSK	50	0	16.73	16.63	16.74	18.0	0.0
20	QPSK	50	28	16.60	16.65	16.57		
20	QPSK	50	56	16.55	16.63	16.43		
20	QPSK	100	0	16.63	16.70	16.41	18.0	0.0
20	16QAM	1	1	16.52	16.53	16.63	18.0	0.0
20	64QAM	1	1	16.63	16.64	16.42	18.0	0.0
20	256QAM	1	1	16.64	16.65	16.49	18.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	16.62	16.69	16.62	18.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	16.59	16.62	16.64	18.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	16.64	16.63	16.62	18.0	0.0

n25								
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				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	16.83	16.83	16.83	18.0	0.0
20	PI/2 BPSK	1	53	16.71	16.90	16.71		
20	PI/2 BPSK	1	104	16.64	16.90	16.64		
20	PI/2 BPSK	50	0	16.72	16.78	16.72	18.0	0.0
20	PI/2 BPSK	50	28	16.73	16.82	16.73		
20	PI/2 BPSK	50	56	16.65	16.82	16.65		
20	PI/2 BPSK	100	0	16.75	16.96	16.75	18.0	0.0
20	QPSK	1	1	16.94	17.03	16.80	18.0	0.0
20	QPSK	1	53	16.76	16.79	16.76		
20	QPSK	1	104	16.71	16.84	16.71		
20	QPSK	50	0	16.63	16.88	16.63	18.0	0.0
20	QPSK	50	28	16.72	16.85	16.72		
20	QPSK	50	56	16.76	16.86	16.76		
20	QPSK	100	0	16.72	17.00	16.72	18.0	0.0
20	16QAM	1	1	16.71	16.95	16.71	18.0	0.0
20	64QAM	1	1	16.65	16.85	16.65	18.0	0.0
20	256QAM	1	1	16.76	16.76	16.76	18.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	16.61	16.67	16.54	18.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	16.64	16.59	16.71	18.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	16.59	16.63	16.67	18.0	0.0

n66 (only SCS15KHz has 5M BW)								
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	16.60	16.66	16.63	17.5	0.0
20	PI/2 BPSK	1	53	16.36	16.11	16.39		
20	PI/2 BPSK	1	104	16.52	16.61	16.51		
20	PI/2 BPSK	50	0	16.33	16.23	16.33		
20	PI/2 BPSK	50	28	16.06	16.11	16.16	17.5	0.0
20	PI/2 BPSK	50	56	16.25	16.26	16.26		
20	PI/2 BPSK	100	0	16.27	16.25	16.32		
20	QPSK	1	1	16.54	16.67	16.61		
20	QPSK	1	53	16.12	16.10	16.23	17.5	0.0
20	QPSK	1	104	16.49	16.59	16.39		
20	QPSK	50	0	16.35	16.39	16.38		
20	QPSK	50	28	16.36	16.15	16.02		
20	QPSK	50	56	16.21	16.23	16.36	17.5	0.0
20	QPSK	100	0	16.18	16.22	16.25		
20	16QAM	1	1	16.60	16.63	16.55		
20	64QAM	1	1	16.39	16.62	16.13		
20	256QAM	1	1	16.55	16.49	16.38	17.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	16.55	16.60	16.55	17.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.58	16.59	16.53	17.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.60	16.62	16.54	17.5	0.0

Reduced power Mode for Handheld On for ANT1 -SA

n41 for FCC-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	518598	528000	22.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.55	20.59	20.52	22.0	0.0	
100	PI/2 BPSK	1	137	20.63	20.79	20.56			
100	PI/2 BPSK	1	271	20.53	20.84	20.58			
100	PI/2 BPSK	135	0	20.62	20.67	20.34			
100	PI/2 BPSK	135	69	20.66	20.68	20.37	22.0	0.0	
100	PI/2 BPSK	135	138	20.53	20.61	20.43			
100	PI/2 BPSK	270	0	20.55	20.67	20.53			
100	QPSK	1	1	20.78	20.85	20.73			
100	QPSK	1	137	20.63	20.69	20.52	22.0	0.0	
100	QPSK	1	271	20.56	20.84	20.43			
100	QPSK	135	0	20.75	20.80	20.71			
100	QPSK	135	69	20.66	20.70	20.76			
100	QPSK	135	138	20.53	20.69	20.52	22.0	0.0	
100	QPSK	270	0	20.52	20.68	20.58			
100	16QAM	1	1	20.46	20.64	20.73		22.0	
100	64QAM	1	1	20.55	20.65	20.74			
100	256QAM	1	1	20.54	20.65	20.66	22.0	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	20.53	20.55	20.52	22.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2636.02	2692.99	2649.99	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	20.53	20.61	20.57		22.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626	2692.99	2659.98			
60	QPSK	1	1	20.51	20.52	20.55	22.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2621.02	2692.99	2664.99	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	20.13	20.45	20.73		22.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	20.78	20.67	20.77	22.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	20.34	20.41	20.52		22.0	

n41 for FCC									
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	518598	528000	22.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.67	20.55	20.53	22.0	0.0	
100	PI/2 BPSK	1	137	20.72	20.77	20.55			
100	PI/2 BPSK	1	271	20.53	20.87	20.69			
100	PI/2 BPSK	135	0	20.55	20.69	20.80			
100	PI/2 BPSK	135	69	20.63	20.76	20.76	22.0	0.0	
100	PI/2 BPSK	135	138	20.52	20.75	20.77			
100	PI/2 BPSK	270	0	20.66	20.75	20.63			
100	QPSK	1	1	20.78	20.89	20.67			
100	QPSK	1	137	20.53	20.38	20.56	22.0	0.0	
100	QPSK	1	271	20.55	20.49	20.52			
100	QPSK	135	0	20.36	20.51	20.57			
100	QPSK	135	69	20.37	20.47	20.56			
100	QPSK	135	138	20.33	20.41	20.62	22.0	0.0	
100	QPSK	270	0	20.23	20.49	20.53			
100	16QAM	1	1	20.56	20.78	20.55		22.0	
100	64QAM	1	1	20.55	20.60	20.53			
100	256QAM	1	1	19.23	19.22	19.21	19.5	2.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	20.55	20.45	20.56	22.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2636.02	2692.99	2649.99	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	20.52	20.66	20.45		22.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626	2692.99	2659.98			
60	QPSK	1	1	20.52	20.76	20.51	22.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2621.02	2692.99	2664.99	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	20.36	20.87	20.60		22.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	20.53	20.22	20.53	22.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	20.55	20.28	20.36		22.0	

n2 (only SCS15KHz has 5M BW)								
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				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	21.33	21.30	21.33	22.5	0.0
20	PI/2 BPSK	1	53	21.36	21.38	21.25		
20	PI/2 BPSK	1	104	21.13	21.45	21.33		
20	PI/2 BPSK	50	0	21.33	21.29	21.23	22.5	0.0
20	PI/2 BPSK	50	28	21.13	21.39	21.28		
20	PI/2 BPSK	50	56	21.33	21.31	21.25		
20	PI/2 BPSK	100	0	21.28	21.48	21.25	22.5	0.0
20	QPSK	1	1	21.57	21.60	21.54	22.5	0.0
20	QPSK	1	53	21.43	21.54	21.33		
20	QPSK	1	104	21.33	21.53	21.13		
20	QPSK	50	0	21.21	21.40	21.13	22.5	0.0
20	QPSK	50	28	21.19	21.41	21.33		
20	QPSK	50	56	21.23	21.47	21.12		
20	QPSK	100	0	21.23	21.59	21.25	22.5	0.0
20	16QAM	1	1	21.25	21.44	21.29	22.5	0.0
20	64QAM	1	1	20.83	20.63	20.66	21.5	1.0
20	256QAM	1	1	19.33	18.83	19.22	19.5	3.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	21.43	21.35	21.33	22.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	21.34	21.32	21.32	22.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	21.33	21.44	21.33	22.5	0.0

n25								
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				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	21.34	21.54	21.44	22.5	0.0
20	PI/2 BPSK	1	53	21.44	21.44	21.56		
20	PI/2 BPSK	1	104	21.34	21.54	21.43		
20	PI/2 BPSK	50	0	21.54	21.42	21.36	22.5	0.0
20	PI/2 BPSK	50	28	21.44	21.46	21.44		
20	PI/2 BPSK	50	56	21.56	21.47	21.47		
20	PI/2 BPSK	100	0	21.43	21.56	21.22	22.5	0.0
20	QPSK	1	1	21.55	21.61	21.43	22.5	0.0
20	QPSK	1	53	21.45	21.45	21.44		
20	QPSK	1	104	21.56	21.57	21.35		
20	QPSK	50	0	21.34	21.60	21.47	22.5	0.0
20	QPSK	50	28	21.33	21.40	21.57		
20	QPSK	50	56	21.23	21.44	21.23		
20	QPSK	100	0	21.16	21.59	21.56	22.5	0.0
20	16QAM	1	1	21.34	21.55	21.33	22.5	0.0
20	64QAM	1	1	21.22	20.77	21.32	21.5	1.0
20	256QAM	1	1	19.23	19.38	19.23	19.5	3.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.22	21.25	21.23	22.5	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.33	21.25	21.44	22.5	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.35	21.54	21.36	22.5	0.0

n66 (only SCS15KHz has 5M BW)								
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	21.68	21.64	21.61	22.5	0.0
20	PI/2 BPSK	1	53	21.54	21.29	21.57		
20	PI/2 BPSK	1	104	21.70	21.59	21.69		
20	PI/2 BPSK	50	0	21.51	21.41	21.51	22.5	0.0
20	PI/2 BPSK	50	28	21.24	21.29	21.34		
20	PI/2 BPSK	50	56	21.43	21.44	21.44		
20	PI/2 BPSK	100	0	21.45	21.43	21.50	22.5	0.0
20	QPSK	1	1	21.73	21.76	21.73	22.5	0.0
20	QPSK	1	53	21.30	21.28	21.41		
20	QPSK	1	104	21.67	21.77	21.57		
20	QPSK	50	0	21.53	21.57	21.56	22.5	0.0
20	QPSK	50	28	21.54	21.33	21.20		
20	QPSK	50	56	21.39	21.41	21.54		
20	QPSK	100	0	21.36	21.40	21.43	22.5	0.0
20	16QAM	1	1	21.78	21.81	21.73	22.5	0.0
20	64QAM	1	1	21.22	21.34	21.23	21.5	1.0
20	256QAM	1	1	19.32	19.38	19.27	19.5	3.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.62	21.67	21.61	22.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.78	21.80	21.72	22.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.73	21.67	21.56	22.5	0.0

Reduced power Mode for Receiver On for ANT2 (EN-DC)-NSA

n5 (only SCS15KHz has 5M BW)								
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				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	21.12	21.17	21.11	21.5	0.0
20	PI2 BPSK	1	53	21.01	21.04	20.87		
20	PI2 BPSK	1	104	20.76	20.85	20.68		
20	PI2 BPSK	50	0	21.10	21.15	21.05	21.5	0.0
20	PI2 BPSK	50	28	21.02	21.04	20.92		
20	PI2 BPSK	50	56	20.94	20.96	20.84		
20	PI2 BPSK	100	0	20.97	21.08	21.01	21.5	0.0
20	QPSK	1	1	21.28	21.30	21.19	21.5	0.0
20	QPSK	1	53	21.00	21.02	20.85		
20	QPSK	1	104	20.77	20.86	20.69		
20	QPSK	50	0	21.13	21.18	21.09	21.5	0.0
20	QPSK	50	28	21.03	21.27	20.94		
20	QPSK	50	56	20.76	20.95	20.86		
20	QPSK	100	0	20.94	21.09	20.88	21.5	0.0
20	16QAM	1	1	21.21	21.29	21.14	21.5	0.0
20	64QAM	1	1	20.74	20.81	20.73	21.5	0.0
20	256QAM	1	1	19.31	19.46	19.27	19.5	2.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.16	21.20	21.13	21.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.14	21.07	21.10	21.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.01	21.21	21.17	21.5	0.0

n71 (only SCS15KHz has 5M BW)								
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				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.56	22.71	22.67	23.0	0.0
20	PI2 BPSK	1	53	22.61	22.78	22.74		
20	PI2 BPSK	1	104	22.60	22.55	22.62		
20	PI2 BPSK	50	0	22.68	22.65	22.53	23.0	0.0
20	PI2 BPSK	50	28	22.58	22.71	22.62		
20	PI2 BPSK	50	56	22.55	22.67	22.48		
20	PI2 BPSK	100	0	22.61	22.67	22.51	23.0	0.0
20	QPSK	1	1	22.93	22.95	22.89	23.0	0.0
20	QPSK	1	53	22.63	22.79	22.63		
20	QPSK	1	104	22.42	22.55	22.41		
20	QPSK	50	0	22.61	22.67	22.67	23.0	0.0
20	QPSK	50	28	22.57	22.74	22.71		
20	QPSK	50	56	22.51	22.67	22.46		
20	QPSK	100	0	22.84	22.94	22.82	23.0	0.0
20	16QAM	1	1	22.72	22.91	22.75	23.0	0.0
20	64QAM	1	1	21.74	21.65	21.76	21.5	1.5
20	256QAM	1	1	19.89	19.99	20.01	19.5	3.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.59	22.81	22.77	23.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.51	22.73	22.67	23.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.58	22.78	22.64	23.0	0.0

n25								
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				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	12.85	12.99	12.85	14.0	0.0
20	PI/2 BPSK	1	53	12.84	12.95	12.78		
20	PI/2 BPSK	1	104	12.89	12.99	12.83		
20	PI/2 BPSK	50	0	12.92	13.00	12.98	14.0	0.0
20	PI/2 BPSK	50	28	12.94	13.01	12.96		
20	PI/2 BPSK	50	56	12.92	12.97	12.78		
20	PI/2 BPSK	100	0	12.83	13.19	13.07	14.0	0.0
20	QPSK	1	1	13.04	13.23	13.10		
20	QPSK	1	53	12.84	12.99	12.84		
20	QPSK	1	104	12.88	12.93	12.95	14.0	0.0
20	QPSK	50	0	12.77	12.98	12.86		
20	QPSK	50	28	12.97	13.02	12.97		
20	QPSK	50	56	12.83	12.96	12.87	14.0	0.0
20	QPSK	100	0	12.99	13.11	13.02		
20	16QAM	1	1	12.97	13.02	13.14		
20	64QAM	1	1	12.52	12.69	12.59	14.0	0.0
20	256QAM	1	1	13.21	13.10	12.98	14.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1907.5		
15	QPSK	1	1	12.83	13.02	12.93	14.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	12.91	13.13	13.05	14.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1882.5	1882.5	1912.5		
5	QPSK	1	1	13.01	12.98	12.91	14.0	0.0

Reduced power Mode for Receiver On for ANT3 (EN-DC)-NSA

n66 (only SCS15KHz has 5M BW)								
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	17.49	17.55	17.52	18.5	0.0
20	PI/2 BPSK	1	53	17.25	17.00	17.28		
20	PI/2 BPSK	1	104	17.41	17.50	17.40		
20	PI/2 BPSK	50	0	17.22	17.12	17.22	18.5	0.0
20	PI/2 BPSK	50	28	16.95	17.00	17.05		
20	PI/2 BPSK	50	56	17.14	17.15	17.15		
20	PI/2 BPSK	100	0	17.16	17.14	17.21	18.5	0.0
20	QPSK	1	1	17.43	17.56	17.50	18.5	0.0
20	QPSK	1	53	17.01	16.99	17.12		
20	QPSK	1	104	17.38	17.48	17.28		
20	QPSK	50	0	17.24	17.04	17.27	18.5	0.0
20	QPSK	50	28	17.25	17.28	16.91		
20	QPSK	50	56	17.10	17.12	17.25		
20	QPSK	100	0	17.07	17.11	17.14	18.5	0.0
20	16QAM	1	1	17.49	17.52	17.44	18.5	0.0
20	64QAM	1	1	17.28	17.51	17.02	18.5	0.0
20	256QAM	1	1	17.44	17.38	17.27	18.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.44	17.49	17.44	18.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.47	17.48	17.42	18.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.49	17.51	17.43	18.5	0.0

Reduced power Mode for P-Sensor/Hotspot On for ANT3 (EN-DC)-NSA

n66 (only SCS15KHz has 5M BW)								
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	17.02	17.05	17.12	18.0	0.0
20	PI/2 BPSK	1	53	17.22	17.21	17.22		
20	PI/2 BPSK	1	104	17.16	17.11	17.31		
20	PI/2 BPSK	50	0	17.15	17.19	17.12		
20	PI/2 BPSK	50	28	17.02	17.12	17.15	18.0	0.0
20	PI/2 BPSK	50	56	17.03	17.00	17.16		
20	PI/2 BPSK	100	0	17.00	17.01	17.22		
20	QPSK	1	1	16.89	17.32	17.15		
20	QPSK	1	53	16.78	17.15	17.10	18.0	0.0
20	QPSK	1	104	17.23	16.99	17.15		
20	QPSK	50	0	17.11	17.05	17.11		
20	QPSK	50	28	17.12	17.20	16.80		
20	QPSK	50	56	17.10	17.12	16.93	18.0	0.0
20	QPSK	100	0	17.05	16.98	17.05		
20	16QAM	1	1	16.75	16.99	16.99		
20	64QAM	1	1	16.79	17.21	16.75		
20	256QAM	1	1	16.99	17.11	16.93	18.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.12	16.96	16.93	18.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.11	16.93	16.92	18.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.21	17.02	16.74	18.0	0.0

Reduced power Mode for P-Sensor On for ANT1 (EN-DC)-NSA

n2 (only SCS15KHz has 5M BW)								
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				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	13.58	13.75	13.64	15.0	0.0
20	PI2 BPSK	1	53	13.55	13.71	13.66		
20	PI2 BPSK	1	104	13.64	13.82	13.58		
20	PI2 BPSK	50	0	13.61	13.74	13.45	15.0	0.0
20	PI2 BPSK	50	28	13.75	13.73	13.64		
20	PI2 BPSK	50	68	13.45	13.84	13.71		
20	PI2 BPSK	100	0	13.77	13.85	13.58	15.0	0.0
20	QPSK	1	1	14.06	13.73	13.80	15.0	0.0
20	QPSK	1	53	13.64	13.77	13.52		
20	QPSK	1	104	13.58	13.82	13.64		
20	QPSK	50	0	13.70	13.79	13.54	15.0	0.0
20	QPSK	50	28	13.58	13.74	13.74		
20	QPSK	50	56	13.55	13.87	13.45		
20	QPSK	100	0	13.74	13.88	13.61	15.0	0.0
20	16QAM	1	1	13.58	13.57	13.64	15.0	0.0
20	64QAM	1	1	13.58	13.67	13.66	15.0	0.0
20	256QAM	1	1	13.43	13.45	13.58	15.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	13.48	13.45	13.64	15.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	13.54	13.56	13.48	15.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	13.55	13.67	13.47	15.0	0.0

n25								
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				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI2 BPSK	1	1	13.91	13.96	13.85	15.0	0.0
20	PI2 BPSK	1	53	13.83	14.03	13.86		
20	PI2 BPSK	1	104	13.86	14.01	13.76		
20	PI2 BPSK	50	0	13.90	14.00	13.77	15.0	0.0
20	PI2 BPSK	50	28	13.83	13.91	13.83		
20	PI2 BPSK	50	56	13.73	13.83	13.88		
20	PI2 BPSK	100	0	13.82	14.09	13.96	15.0	0.0
20	QPSK	1	1	13.99	14.11	14.03	15.0	0.0
20	QPSK	1	53	13.82	13.93	13.93		
20	QPSK	1	104	13.72	13.99	13.83		
20	QPSK	50	0	13.52	13.96	13.74	15.0	0.0
20	QPSK	50	28	13.72	14.00	13.75		
20	QPSK	50	56	13.75	13.91	13.93		
20	QPSK	100	0	13.83	14.09	13.83	15.0	0.0
20	16QAM	1	1	13.73	13.80	13.73	15.0	0.0
20	64QAM	1	1	13.75	13.93	13.79	15.0	0.0
20	256QAM	1	1	13.73	13.76	13.94	15.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	13.73	13.86	13.76	15.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	13.83	13.85	13.78	15.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	13.73	13.90	13.96	15.0	0.0

n66 (only SCS15KHz has 5M BW)								
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	15.10	15.16	15.13	16.0	0.0
20	PI/2 BPSK	1	53	14.86	14.81	14.89		
20	PI/2 BPSK	1	104	15.02	15.11	15.01		
20	PI/2 BPSK	50	0	14.83	14.73	14.83	16.0	0.0
20	PI/2 BPSK	50	28	14.56	14.81	14.86		
20	PI/2 BPSK	50	56	14.75	14.76	14.76		
20	PI/2 BPSK	100	0	14.77	14.75	14.82	16.0	0.0
20	QPSK	1	1	15.04	15.17	15.11	16.0	0.0
20	QPSK	1	53	14.62	14.60	14.73		
20	QPSK	1	104	14.99	15.09	14.89		
20	QPSK	50	0	14.85	14.65	14.88	16.0	0.0
20	QPSK	50	28	14.86	14.89	14.52		
20	QPSK	50	56	14.71	14.73	14.86		
20	QPSK	100	0	14.68	14.72	14.75	16.0	0.0
20	16QAM	1	1	15.10	15.13	15.05	16.0	0.0
20	64QAM	1	1	14.89	15.12	14.63	16.0	0.0
20	256QAM	1	1	15.05	14.99	14.88	16.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	15.05	15.10	15.05	16.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	15.08	15.09	15.03	16.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	15.10	15.12	15.04	16.0	0.0

n41 for FCC-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	518598	528000	14.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	12.66	12.70	12.63		
100	PI/2 BPSK	1	137	12.74	12.90	12.67	14.0	0.0
100	PI/2 BPSK	1	271	12.64	12.95	12.69		
100	PI/2 BPSK	135	0	12.73	12.78	12.45		
100	PI/2 BPSK	135	69	12.77	12.79	12.48	14.0	0.0
100	PI/2 BPSK	135	138	12.64	12.92	12.54		
100	PI/2 BPSK	270	0	12.66	12.78	12.84		
100	QPSK	1	1	12.89	12.96	12.84	14.0	0.0
100	QPSK	1	137	12.74	12.80	12.63		
100	QPSK	1	271	12.67	12.95	12.54		
100	QPSK	135	0	12.86	12.82	12.91	14.0	0.0
100	QPSK	135	69	12.77	12.81	12.87		
100	QPSK	135	138	12.64	12.80	12.63		
100	QPSK	270	0	12.63	12.79	12.69	14.0	0.0
100	16QAM	1	1	12.57	12.75	12.84	14.0	0.0
100	64QAM	1	1	12.60	12.67	12.66	14.0	0.0
100	256QAM	1	1	12.74	12.55	12.64	14.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	12.64	12.66	12.63	14.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2648.99		
80	QPSK	1	1	12.64	12.72	12.68	14.0	0.0
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	12.62	12.63	12.66	14.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	12.24	12.56	12.84	14.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	12.89	12.78	12.88	14.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	12.45	12.52	12.63	14.0	0.0

n41 for FCC								
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	518598	528000	14.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	12.78	12.66	12.64		
100	PI/2 BPSK	1	137	12.83	12.88	12.66	14.0	0.0
100	PI/2 BPSK	1	271	12.64	12.98	12.80		
100	PI/2 BPSK	135	0	12.66	12.80	12.91		
100	PI/2 BPSK	135	69	12.74	12.87	12.87	14.0	0.0
100	PI/2 BPSK	135	138	12.63	12.86	12.88		
100	PI/2 BPSK	270	0	12.77	12.86	12.74		
100	QPSK	1	1	12.89	13.00	12.78	14.0	0.0
100	QPSK	1	137	12.64	12.49	12.67		
100	QPSK	1	271	12.66	12.60	12.63		
100	QPSK	135	0	12.47	12.62	12.68	14.0	0.0
100	QPSK	135	69	12.48	12.58	12.67		
100	QPSK	135	138	12.44	12.52	12.73		
100	QPSK	270	0	12.34	12.60	12.64	14.0	0.0
100	16QAM	1	1	12.67	12.89	12.66	14.0	0.0
100	64QAM	1	1	12.66	12.71	12.64	14.0	0.0
100	256QAM	1	1	12.67	12.52	12.63	14.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	12.66	12.56	12.67	14.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2533.02	2592.99	2646.99		
80	QPSK	1	1	12.63	12.77	12.58	14.0	0.0
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	12.63	12.87	12.62	14.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	12.47	12.98	12.71	14.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	12.64	12.33	12.64	14.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	12.66	12.39	12.47	14.0	0.0

Reduced power Mode for Hotspot On for ANT1 (EN-DC)-NSA

n2 (only SCS15KHz has 5M BW)								
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				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	13.34	13.47	13.32	14.5	0.0
20	PI2 BPSK	1	53	13.33	13.54	13.33		
20	PI2 BPSK	1	104	13.35	13.51	13.42		
20	PI2 BPSK	50	0	13.41	13.34	13.30	14.5	0.0
20	PI2 BPSK	50	28	13.39	13.40	13.33		
20	PI2 BPSK	50	56	13.34	13.44	13.36		
20	PI2 BPSK	100	0	13.33	13.63	13.29	14.5	0.0
20	QPSK	1	1	13.42	13.62	13.38	14.5	0.0
20	QPSK	1	53	13.43	13.55	13.33		
20	QPSK	1	104	13.34	13.58	13.32		
20	QPSK	50	0	13.43	13.61	13.33	14.5	0.0
20	QPSK	50	28	13.44	13.50	13.30		
20	QPSK	50	56	13.35	13.43	13.24		
20	QPSK	100	0	13.43	13.62	13.26	14.5	0.0
20	16QAM	1	1	13.46	13.17	13.32	14.5	0.0
20	64QAM	1	1	13.40	13.46	13.33	14.5	0.0
20	256QAM	1	1	13.33	12.96	13.20	14.5	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	13.32	13.33	13.13	14.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	13.40	13.35	13.14	14.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	13.38	13.32	13.34	14.5	0.0

n25								
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				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI2 BPSK	1	1	13.36	13.49	13.33	14.5	0.0
20	PI2 BPSK	1	53	13.35	13.57	13.37		
20	PI2 BPSK	1	104	13.38	13.53	13.43		
20	PI2 BPSK	50	0	13.43	13.36	13.31	14.5	0.0
20	PI2 BPSK	50	28	13.41	13.52	13.37		
20	PI2 BPSK	50	56	13.37	13.46	13.37		
20	PI2 BPSK	100	0	13.35	13.55	13.30	14.5	0.0
20	QPSK	1	1	13.44	13.66	13.42	14.5	0.0
20	QPSK	1	53	13.46	13.57	13.34		
20	QPSK	1	104	13.36	13.60	13.33		
20	QPSK	50	0	13.45	13.44	13.37	14.5	0.0
20	QPSK	50	28	13.47	13.52	13.31		
20	QPSK	50	56	13.37	13.45	13.25		
20	QPSK	100	0	13.45	13.45	13.30	14.5	0.0
20	16QAM	1	1	13.49	13.19	13.33	14.5	0.0
20	64QAM	1	1	13.42	13.48	13.34	14.5	0.0
20	256QAM	1	1	13.35	12.99	13.24	14.5	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	13.35	13.35	13.14	14.5	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	13.42	13.37	13.15	14.5	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	13.40	13.35	13.38	14.5	0.0

n66 (only SCS15KHz has 5M BW)								
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	13.89	13.67	13.66	14.5	0.0
20	PI/2 BPSK	1	53	13.77	13.33	13.76		
20	PI/2 BPSK	1	104	13.82	13.66	13.77		
20	PI/2 BPSK	50	0	13.28	13.25	13.27	14.5	0.0
20	PI/2 BPSK	50	28	13.25	13.35	13.22		
20	PI/2 BPSK	50	56	13.29	13.25	13.21		
20	PI/2 BPSK	100	0	13.42	13.48	13.59	14.5	0.0
20	QPSK	1	1	13.76	13.90	13.77	14.5	0.0
20	QPSK	1	53	13.66	13.65	13.78		
20	QPSK	1	104	13.65	13.89	13.76		
20	QPSK	50	0	13.34	13.27	13.27	14.5	0.0
20	QPSK	50	28	13.36	13.37	13.28		
20	QPSK	50	56	13.35	13.33	13.31		
20	QPSK	100	0	13.35	13.50	13.37	14.5	0.0
20	16QAM	1	1	13.36	13.43	13.36	14.5	0.0
20	64QAM	1	1	13.36	13.30	13.36	14.5	0.0
20	256QAM	1	1	13.34	13.33	13.34	14.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	13.65	13.67	13.77	14.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	13.55	13.67	13.64	14.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	13.56	13.89	13.66	14.5	0.0

n41 for FCC-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	518598	528000	12.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	11.59	11.61	11.53		
100	PI/2 BPSK	1	137	11.53	11.58	11.55		
100	PI/2 BPSK	1	271	11.66	11.69	11.45	12.0	0.0
100	PI/2 BPSK	135	0	11.52	11.64	11.53		
100	PI/2 BPSK	135	69	11.56	11.69	11.36		
100	PI/2 BPSK	135	138	11.52	11.63	11.42		
100	PI/2 BPSK	270	0	11.55	11.65	11.33	12.0	0.0
100	QPSK	1	1	11.84	11.88	11.78		
100	QPSK	1	137	11.53	11.67	11.42		
100	QPSK	1	271	11.63	11.87	11.63		
100	QPSK	135	0	11.44	11.68	11.42	12.0	0.0
100	QPSK	135	69	11.52	11.65	11.44		
100	QPSK	135	138	11.63	11.67	11.36		
100	QPSK	270	0	11.58	11.73	11.42		
100	16QAM	1	1	11.23	11.39	11.52	12.0	0.0
100	64QAM	1	1	11.21	11.36	11.44	12.0	0.0
100	256QAM	1	1	11.56	11.52	11.63	12.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	11.42	11.55	11.42	12.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2646.99		
80	QPSK	1	1	11.44	11.56	11.52	12.0	0.0
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	11.52	11.63	11.43	12.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	11.53	11.59	11.44	12.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	11.42	11.55	11.42	12.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	11.36	11.53	11.36	12.0	0.0

n41 for FCC								
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				508202	518598	528000	12.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	11.55	11.65	11.53	12.0	0.0
100	PI/2 BPSK	1	137	11.56	11.76	11.63		
100	PI/2 BPSK	1	271	11.85	11.88	11.45		
100	PI/2 BPSK	135	0	11.63	11.84	11.52	12.0	0.0
100	PI/2 BPSK	135	69	11.55	11.71	11.63		
100	PI/2 BPSK	135	138	11.62	11.66	11.50		
100	PI/2 BPSK	270	0	11.63	11.89	11.52	12.0	0.0
100	QPSK	1	1	11.84	11.90	11.76		
100	QPSK	1	137	11.78	11.73	11.55		
100	QPSK	1	271	11.55	11.87	11.63	12.0	0.0
100	QPSK	135	0	11.63	11.67	11.42		
100	QPSK	135	69	11.46	11.73	11.63		
100	QPSK	135	138	11.53	11.69	11.52	12.0	0.0
100	QPSK	270	0	11.55	11.75	11.55		
100	16QAM	1	1	11.63	11.79	11.43		
100	64QAM	1	1	11.53	11.46	11.44	12.0	0.0
100	256QAM	1	1	11.80	11.82	11.63		
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	11.63	11.56	11.42	12.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	11.53	11.52	11.44		
Channel				508200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2528	2592.99	2659.98		
60	QPSK	1	1	11.36	11.44	11.63	12.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	11.42	11.36	11.52		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	11.32	11.32	11.43	12.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	11.50	11.52	11.55		

Reduced power Mode for Handheld On for ANT1 (EN-DC)-NSA

n2 (only SCS15KHz has 5M BW)								
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				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	18.09	18.26	18.36	19.5	0.0
20	PI2 BPSK	1	53	18.06	18.22	18.16		
20	PI2 BPSK	1	104	18.25	18.33	18.06		
20	PI2 BPSK	50	0	18.16	18.25	18.07	19.5	0.0
20	PI2 BPSK	50	28	18.09	18.24	18.05		
20	PI2 BPSK	50	56	18.15	18.25	18.16		
20	PI2 BPSK	100	0	18.09	18.36	18.06	19.5	0.0
20	QPSK	1	1	18.57	18.59	18.40	19.5	0.0
20	QPSK	1	53	18.36	18.28	18.36		
20	QPSK	1	104	18.39	18.33	18.16		
20	QPSK	50	0	18.09	18.30	18.21	19.5	0.0
20	QPSK	50	28	18.07	18.25	18.22		
20	QPSK	50	56	18.16	18.28	18.13		
20	QPSK	100	0	18.09	18.39	18.14	19.5	0.0
20	16QAM	1	1	18.15	18.08	18.09	19.5	0.0
20	64QAM	1	1	18.28	18.18	18.07	19.5	0.0
20	256QAM	1	1	18.13	18.16	18.06	19.5	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	18.13	18.09	18.14	19.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	18.09	18.15	18.09	19.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	18.06	18.17	18.13	19.5	0.0

n25								
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				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI2 BPSK	1	1	17.89	18.11	18.19	19.5	0.0
20	PI2 BPSK	1	53	17.94	18.03	18.02		
20	PI2 BPSK	1	104	18.09	18.20	17.88		
20	PI2 BPSK	50	0	17.96	18.10	17.99	19.5	0.0
20	PI2 BPSK	50	28	17.97	18.05	17.91		
20	PI2 BPSK	50	56	17.99	18.22	17.98		
20	PI2 BPSK	100	0	17.89	18.21	17.89	19.5	0.0
20	QPSK	1	1	18.25	18.72	18.26	19.5	0.0
20	QPSK	1	53	18.20	18.15	18.18		
20	QPSK	1	104	18.19	18.18	17.99		
20	QPSK	50	0	17.97	18.11	18.07	19.5	0.0
20	QPSK	50	28	17.91	18.70	18.04		
20	QPSK	50	56	17.96	18.23	17.96		
20	QPSK	100	0	17.97	18.20	18.00	19.5	0.0
20	16QAM	1	1	17.99	17.95	17.91	19.5	0.0
20	64QAM	1	1	18.08	18.03	17.90	19.5	0.0
20	256QAM	1	1	18.01	17.97	17.92	19.5	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	18.36	18.35	18.35	19.5	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	18.28	18.39	18.31	19.5	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	18.33	18.37	18.38	19.5	0.0

n66 (only SCS15KHz has 5M BW)								
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	17.26	17.41	17.25	18.5	0.0
20	PI/2 BPSK	1	53	16.96	16.80	17.28		
20	PI/2 BPSK	1	104	17.36	17.35	17.18		
20	PI/2 BPSK	50	0	16.85	16.76	16.74	18.5	0.0
20	PI/2 BPSK	50	28	16.75	16.71	16.76		
20	PI/2 BPSK	50	56	16.73	16.77	16.73		
20	PI/2 BPSK	100	0	16.96	16.94	16.95	18.5	0.0
20	QPSK	1	1	17.29	17.43	17.39	18.5	0.0
20	QPSK	1	53	16.93	16.79	17.03		
20	QPSK	1	104	16.96	17.39	17.13		
20	QPSK	50	0	16.73	16.73	16.74	18.5	0.0
20	QPSK	50	28	16.76	16.81	16.76		
20	QPSK	50	56	16.77	16.85	16.79		
20	QPSK	100	0	16.95	16.99	17.07	18.5	0.0
20	16QAM	1	1	17.16	17.22	17.02	18.5	0.0
20	64QAM	1	1	17.28	17.38	16.98	18.5	0.0
20	256QAM	1	1	17.03	16.96	16.95	18.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.16	17.26	17.03	18.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.17	17.28	17.03	18.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.19	17.16	17.03	18.5	0.0

n41 for FCC-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	518598	528000	14.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.96	14.20	13.93		
100	PI/2 BPSK	1	137	13.99	14.09	13.89		
100	PI/2 BPSK	1	271	13.73	14.12	13.93	14.5	0.0
100	PI/2 BPSK	135	0	13.86	14.24	14.00		
100	PI/2 BPSK	135	69	13.74	14.21	13.99		
100	PI/2 BPSK	135	138	13.99	14.19	13.86		
100	PI/2 BPSK	270	0	13.97	14.30	13.74	14.5	0.0
100	QPSK	1	1	14.11	14.33	14.20	14.5	0.0
100	QPSK	1	137	13.93	14.00	13.77		
100	QPSK	1	271	13.74	14.02	13.83		
100	QPSK	135	0	13.93	14.26	13.93		
100	QPSK	135	69	13.99	14.13	13.66	14.5	0.0
100	QPSK	135	138	13.87	14.13	13.74		
100	QPSK	270	0	13.80	14.29	13.84		
100	16QAM	1	1	13.93	14.14	13.96	14.5	0.0
100	64QAM	1	1	13.56	13.92	13.90	14.5	0.0
100	256QAM	1	1	13.74	14.14	13.93	14.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	14.13	14.20	14.23	14.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2640.99		
80	QPSK	1	1	14.24	14.30	14.22	14.5	0.0
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	14.14	14.24	14.32	14.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	14.20	14.14	14.13	14.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	14.14	14.13	14.15	14.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	14.15	14.12	14.13	14.5	0.0

n41 for FCC								
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	518598	528000	14.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.94	14.17	13.84		
100	PI/2 BPSK	1	137	13.93	14.06	13.72		
100	PI/2 BPSK	1	271	13.75	14.00	13.65	14.5	0.0
100	PI/2 BPSK	135	0	13.91	14.20	13.93		
100	PI/2 BPSK	135	69	13.75	14.12	13.74		
100	PI/2 BPSK	135	138	13.74	14.10	13.66		
100	PI/2 BPSK	270	0	13.93	14.15	13.76	14.5	0.0
100	QPSK	1	1	14.00	14.21	14.04	14.5	0.0
100	QPSK	1	137	13.74	13.95	13.77		
100	QPSK	1	271	13.81	13.84	13.72		
100	QPSK	135	0	13.73	13.98	13.64		
100	QPSK	135	69	13.75	13.99	13.73	14.5	0.0
100	QPSK	135	138	13.74	13.98	13.77		
100	QPSK	270	0	13.86	14.17	13.73		
100	16QAM	1	1	13.77	13.92	13.72	14.5	0.0
100	64QAM	1	1	13.76	13.76	13.66	14.5	0.0
100	256QAM	1	1	13.80	13.86	13.77	14.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	13.99	14.20	13.78	14.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2640.99		
80	QPSK	1	1	13.98	14.13	13.87	14.5	0.0
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	14.19	14.12	13.88	14.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	14.20	14.13	14.03	14.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	14.10	14.14	13.77	14.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	14.13	14.19	13.89	14.5	0.0

Reduced power Mode for P-Sensor On for ANT2 (EN-DC)-NSA

n5 (only SCS15KHz has 5M BW)								
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				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.63	21.72	21.83	22.0	0.0
20	PI/2 BPSK	1	53	21.66	21.59	21.55		
20	PI/2 BPSK	1	104	21.43	21.41	21.63		
20	PI/2 BPSK	50	0	21.63	21.67	21.53	22.0	0.0
20	PI/2 BPSK	50	28	21.43	21.56	21.58		
20	PI/2 BPSK	50	56	21.63	21.45	21.55		
20	PI/2 BPSK	100	0	21.58	21.82	21.55	22.0	0.0
20	QPSK	1	1	21.72	21.83	21.78	22.0	0.0
20	QPSK	1	53	21.73	21.55	21.63		
20	QPSK	1	104	21.63	21.33	21.43		
20	QPSK	50	0	21.51	21.71	21.43	22.0	0.0
20	QPSK	50	28	21.49	21.65	21.63		
20	QPSK	50	56	21.53	21.51	21.42		
20	QPSK	100	0	21.53	21.68	21.55	23.0	0.0
20	16QAM	1	1	21.55	21.82	21.59	23.0	0.0
20	64QAM	1	1	21.13	21.21	21.30	21.5	0.5
20	256QAM	1	1	19.63	19.49	19.52	19.5	2.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.55	21.65	21.66	22.0	0.0
Channel				165800	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.63	21.58	21.42	22.0	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.63	21.56	21.65	22.0	0.0

n25								
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				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	15.85	15.96	15.82	17.0	0.0
20	PI/2 BPSK	1	53	15.88	15.95	15.78		
20	PI/2 BPSK	1	104	15.62	15.96	15.82		
20	PI/2 BPSK	50	0	15.75	16.01	15.89	17.0	0.0
20	PI/2 BPSK	50	28	15.63	15.88	15.88		
20	PI/2 BPSK	50	56	15.88	16.03	15.75		
20	PI/2 BPSK	100	0	15.86	16.15	15.63	17.0	0.0
20	QPSK	1	1	16.00	16.67	16.09	17.0	0.0
20	QPSK	1	53	15.82	16.07	15.68		
20	QPSK	1	104	15.63	16.08	15.72		
20	QPSK	50	0	15.82	15.99	15.82	17.0	0.0
20	QPSK	50	28	15.88	16.54	15.55		
20	QPSK	50	56	15.76	15.89	15.63		
20	QPSK	100	0	15.69	16.13	15.73	17.0	0.0
20	16QAM	1	1	15.82	15.89	15.85	17.0	0.0
20	64QAM	1	1	15.45	15.89	15.79	17.0	0.0
20	256QAM	1	1	15.63	15.93	15.82	17.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	15.82	15.86	15.73	17.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	15.45	15.78	15.63	17.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	15.81	15.83	15.63	17.0	0.0

Reduced power Mode for Hotspot On for ANT2 (EN-DC)-NSA

n5 (only SCS15KHz has 5M BW)								
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				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	20.55	20.66	20.56	21.0	0.0
20	PI2 BPSK	1	53	20.49	20.55	20.42		
20	PI2 BPSK	1	104	20.53	20.36	20.55		
20	PI2 BPSK	50	0	20.55	20.61	20.63	21.0	0.0
20	PI2 BPSK	50	28	20.49	20.55	20.43		
20	PI2 BPSK	50	56	20.63	20.45	20.44		
20	PI2 BPSK	100	0	20.53	20.57	20.63	21.0	0.0
20	QPSK	1	1	20.75	20.79	20.63	21.0	0.0
20	QPSK	1	53	20.55	20.44	20.52		
20	QPSK	1	104	20.42	20.31	20.55		
20	QPSK	50	0	20.55	20.58	20.45	21.0	0.0
20	QPSK	50	28	20.56	20.61	20.36		
20	QPSK	50	56	20.42	20.49	20.33		
20	QPSK	100	0	20.36	20.63	20.42	21.0	0.0
20	16QAM	1	1	20.52	20.45	20.31	21.0	0.0
20	64QAM	1	1	20.78	20.76	20.33	21.0	0.0
20	256QAM	1	1	19.53	19.64	19.62	19.5	1.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	20.42	20.43	20.41	21.0	0.0
Channel				165800	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	20.26	20.44	20.53	21.0	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	20.31	20.36	20.42	21.0	0.0

n25								
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				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI2 BPSK	1	1	13.53	13.46	13.43	14.5	0.0
20	PI2 BPSK	1	53	13.52	13.41	13.31		
20	PI2 BPSK	1	104	13.34	13.38	13.24		
20	PI2 BPSK	50	0	13.50	13.52	13.52	14.5	0.0
20	PI2 BPSK	50	28	13.34	13.53	13.33		
20	PI2 BPSK	50	56	13.33	13.50	13.25		
20	PI2 BPSK	100	0	13.52	13.66	13.35	14.5	0.0
20	QPSK	1	1	13.59	14.17	13.54	14.5	0.0
20	QPSK	1	53	13.33	13.39	13.38		
20	QPSK	1	104	13.40	13.43	13.31		
20	QPSK	50	0	13.32	13.39	13.23	14.5	0.0
20	QPSK	50	28	13.34	13.93	13.32		
20	QPSK	50	56	13.33	13.47	13.36		
20	QPSK	100	0	13.45	13.65	13.32	14.5	0.0
20	16QAM	1	1	13.36	13.64	13.31	14.5	0.0
20	64QAM	1	1	13.35	13.53	13.25	14.5	0.0
20	256QAM	1	1	13.39	13.34	13.36	14.5	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	13.55	13.55	13.31	14.5	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	13.31	13.23	13.21	14.5	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	13.23	13.22	13.10	14.5	0.0

Reduced power Mode for Handheld On for ANT2 (EN-DC)-NSA

n25								
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				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905	Tune-up limit (dBm)	MPR (dB)
20	PI/2 BPSK	1	1	17.73	17.65	17.74	19.0	0.0
20	PI/2 BPSK	1	53	17.64	17.63	17.77		
20	PI/2 BPSK	1	104	17.72	17.65	17.78		
20	PI/2 BPSK	50	0	17.78	17.66	17.62	19.0	0.0
20	PI/2 BPSK	50	28	17.72	17.67	17.63		
20	PI/2 BPSK	50	56	17.77	17.69	17.64		
20	PI/2 BPSK	100	0	17.67	17.61	17.68	19.0	0.0
20	QPSK	1	1	17.82	17.84	17.82	19.0	0.0
20	QPSK	1	53	17.68	17.83	17.69		
20	QPSK	1	104	17.72	17.66	17.56		
20	QPSK	50	0	17.74	17.80	17.72	19.0	0.0
20	QPSK	50	28	17.72	17.81	17.53		
20	QPSK	50	56	17.77	17.66	17.76		
20	QPSK	100	0	17.67	18.05	17.66	19.0	0.0
20	16QAM	1	1	17.82	17.66	17.75	19.0	0.0
20	64QAM	1	1	17.82	17.98	17.72	19.0	0.0
20	256QAM	1	1	17.84	18.41	17.74	19.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	17.72	17.78	17.77	19.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	17.77	17.72	17.72	19.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	17.73	17.77	17.71	19.0	0.0

n2 ANT3 (EN-DC) Full Power Handheld Power

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				372000 1800	376000 1800	380000 1900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
20	PI/2 BPSK	1	1	23.73	23.49	23.43	24.0	0.0
20	PI/2 BPSK	1	53	23.65	23.47	23.44		
20	PI/2 BPSK	1	104	23.57	23.45	23.29		
20	PI/2 BPSK	50	0	23.10	22.97	22.94	24.0	0.0
20	PI/2 BPSK	50	28	23.52	23.40	23.44		
20	PI/2 BPSK	50	56	22.99	22.95	22.92		
20	PI/2 BPSK	100	0	23.17	23.07	23.07	23.5	0.5
20	QPSK	1	1	23.73	23.76	23.47	24.0	0.0
20	QPSK	1	53	23.69	23.57	23.50		
20	QPSK	1	104	23.56	23.58	23.36		
20	QPSK	50	0	22.67	22.52	22.47	24.0	0.0
20	QPSK	50	28	23.59	23.61	23.43		
20	QPSK	50	56	22.52	22.47	22.43		
20	QPSK	100	0	22.75	22.69	22.57	23.0	1.0
20	16QAM	1	1	22.65	22.65	22.58	23.0	1.0
20	64QAM	1	1	21.29	21.17	21.09	21.5	2.5
20	256QAM	1	1	19.33	19.29	19.23	19.5	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1890	1902.5		
15	QPSK	1	1	23.20	23.57	23.52	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1890	1905		
10	QPSK	1	1	23.27	23.15	23.41	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1890	1907.5		
5	QPSK	1	1	23.73	23.72	23.55	24.0	0.0

n2 ANT3 (EN-DC) Receiver on Head Power

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				372000 1800	376000 1800	380000 1900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
20	PI/2 BPSK	1	1	20.73	20.43	20.35	21.0	0.0
20	PI/2 BPSK	1	53	20.74	20.44	20.36		
20	PI/2 BPSK	1	104	20.73	20.43	20.35		
20	PI/2 BPSK	50	0	20.71	20.41	20.33	21.0	0.0
20	PI/2 BPSK	50	28	20.73	20.43	20.35		
20	PI/2 BPSK	50	56	20.69	20.39	20.31		
20	PI/2 BPSK	100	0	20.83	20.53	20.45	21.0	0.0
20	QPSK	1	1	20.82	20.92	20.68	21.0	0.0
20	QPSK	1	53	20.80	20.50	20.42		
20	QPSK	1	104	20.75	20.45	20.37		
20	QPSK	50	0	20.78	20.48	20.40	21.0	0.0
20	QPSK	50	28	20.57	20.79	20.37		
20	QPSK	50	56	20.51	20.62	20.35		
20	QPSK	100	0	20.61	20.61	20.53	21.0	0.0
20	16QAM	1	1	20.52	20.22	20.14	21.0	0.0
20	64QAM	1	1	20.70	20.00	20.82	21.0	0.0
20	256QAM	1	1	19.25	19.35	19.37	19.5	1.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1890	1902.5		
15	QPSK	1	1	20.81	20.51	20.43	21.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1890	1905		
10	QPSK	1	1	20.31	20.61	20.61	21.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1890	1907.5		
5	QPSK	1	1	20.63	20.63	20.55	21.0	0.0

n2 ANT3 (EN-DC) Sensor on Body Worn

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)				372000 1860	376000 1880	380000 1900	Tune-up limit (dBm)	MPR (dB)
20	PI/2 BPSK	1	1	21.69	21.42	21.48	22.0	0.0
20	PI/2 BPSK	1	53	21.75	21.46	21.54		
20	PI/2 BPSK	1	104	21.67	21.40	21.46		
20	PI/2 BPSK	50	0	21.70	21.43	21.49	22.0	0.0
20	PI/2 BPSK	50	28	21.68	21.41	21.47		
20	PI/2 BPSK	50	56	21.68	21.41	21.47		
20	PI/2 BPSK	100	0	21.62	21.55	21.51	22.0	0.0
20	QPSK	1	1	21.69	21.69	21.62	22.0	0.0
20	QPSK	1	53	21.84	21.57	21.63		
20	QPSK	1	104	21.80	21.53	21.59		
20	QPSK	50	0	21.74	21.47	21.53	22.0	0.0
20	QPSK	50	28	21.60	21.75	21.54		
20	QPSK	50	56	21.74	21.47	21.53		
20	QPSK	100	0	21.68	21.69	21.67	22.0	0.0
20	16QAM	1	1	21.41	21.14	21.20	22.0	0.0
20	64QAM	1	1	21.70	21.43	21.49	21.5	0.5
20	256QAM	1	1	19.24	19.27	19.33	19.5	2.5
Channel Frequency (MHz)				371500 1857.5	376000 1880	380500 1902.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.72	21.45	21.51	22.0	0.0
Channel Frequency (MHz)				371000 1855	376000 1880	381000 1905	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.28	21.61	21.65	22.0	0.0
Channel Frequency (MHz)				370500 1852.5	376000 1880	381500 1907.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	21.59	21.59	21.65	22.0	0.0

n2 ANT3 (EN-DC) Hotspot on

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)				372000 1860	376000 1880	380000 1900	Tune-up limit (dBm)	MPR (dB)
20	PI/2 BPSK	1	1	19.68	19.46	19.44	20.0	0.0
20	PI/2 BPSK	1	53	19.68	19.55	19.53		
20	PI/2 BPSK	1	104	19.77	19.53	19.51		
20	PI/2 BPSK	50	0	19.75	19.45	19.43	20.0	0.0
20	PI/2 BPSK	50	28	19.67	19.41	19.39		
20	PI/2 BPSK	50	56	19.63	19.39	19.37		
20	PI/2 BPSK	100	0	19.61	19.56	19.54	20.0	0.0
20	QPSK	1	1	19.69	19.62	19.53	20.0	0.0
20	QPSK	1	53	19.77	19.55	19.53		
20	QPSK	1	104	19.77	19.48	19.46		
20	QPSK	50	0	19.70	19.49	19.47	20.0	0.0
20	QPSK	50	28	19.71	19.75	19.43		
20	QPSK	50	56	19.67	19.47	19.45		
20	QPSK	100	0	19.69	19.59	19.57	20.0	0.0
20	16QAM	1	1	19.61	19.38	19.36	20.0	0.0
20	64QAM	1	1	19.62	19.78	19.76	20.0	0.0
20	256QAM	1	1	19.26	19.36	19.34	19.5	0.5
Channel Frequency (MHz)				371500 1857.5	376000 1880	380500 1902.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	19.67	19.45	19.43	20.0	0.0
Channel Frequency (MHz)				371000 1855	376000 1880	381000 1905	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.62	19.48	19.66	20.0	0.0
Channel Frequency (MHz)				370500 1852.5	376000 1880	381500 1907.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	19.65	19.63	19.61	20.0	0.0



2.4GHz WLAN						
Ant 3+6 Standalone (Head/Body Worn/Handheld)						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	22.35	23.00	100.00
		6	2437	22.27	23.00	
		11	2462	21.84	23.00	
	802.11g 6Mbps	1	2412	21.45	22.00	98.28
		6	2437	21.36	22.00	
		11	2462	21.26	22.00	
802.11a+HT20 MCS0	1	2412	21.09	20.00	98.15	
	6	2437	21.21	22.00		
	11	2462	21.15	22.00		

5GHz WLAN						
Ant 5+6 Standalone (Head/Handheld)						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	20.05	22.00	97.84
		40	5200	21.74	22.00	
		44	5220	20.59	22.00	
	802.11a+HT20 MCS0	48	5240	20.29	22.00	98.15
		36	5180	20.55	22.00	
		40	5200	21.73	22.00	
	802.11a+HT40 MCS0	44	5220	20.54	22.00	98.32
		48	5240	20.69	22.00	
		36	5180	20.93	21.50	
	802.11ac-VHT20 MCS0	48	5240	21.30	21.50	98.16
		36	5180	21.58	22.00	
		40	5200	21.72	22.00	
	802.11ac-VHT40 MCS0	44	5220	20.37	22.00	98.32
		48	5240	20.60	22.00	
		36	5180	20.99	21.50	
	802.11ac-VHT80 MCS0	46	5230	21.21	21.00	92.77
		42	5210	13.63	14.00	
		42	5210	13.63	14.00	

5GHz WLAN						
Ant 5+6 Standalone (Head/Handheld)						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	52	5260	20.14	22.00	97.84
		56	5280	21.15	22.00	
		60	5300	20.20	22.00	
	802.11a+HT20 MCS0	64	5320	20.30	22.00	98.15
		52	5260	20.56	22.00	
		56	5280	21.90	22.00	
	802.11a+HT40 MCS0	60	5300	20.61	22.00	98.32
		64	5320	20.67	22.00	
		54	5270	21.12	21.50	
	802.11ac-VHT20 MCS0	62	5310	15.72	16.00	98.16
		52	5260	20.51	22.00	
		56	5280	21.83	22.00	
	802.11ac-VHT40 MCS0	60	5300	20.45	22.00	98.32
		64	5320	20.56	22.00	
		54	5270	21.09	21.50	
	802.11ac-VHT80 MCS0	62	5310	15.75	16.00	92.77
		58	5290	13.05	14.00	
		58	5290	13.05	14.00	

5GHz WLAN						
Ant 5+6 Standalone (Head/Handheld)						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	100	5500	20.57	21.00	97.84
		116	5580	20.20	21.00	
		132	5660	20.44	21.00	
	802.11a+HT20 MCS0	140	5700	20.67	21.00	98.15
		100	5500	20.50	21.00	
		116	5580	20.53	21.00	
	802.11a+HT40 MCS0	132	5660	22.30	22.00	98.32
		140	5700	20.65	21.00	
		102	5510	21.42	22.00	
	802.11ac-VHT20 MCS0	110	5550	21.44	22.50	98.16
		134	5670	21.45	22.50	
		100	5500	20.49	21.00	
	802.11ac-VHT40 MCS0	116	5580	20.54	21.00	98.32
		132	5660	22.31	23.00	
		140	5700	20.51	21.00	
	802.11ac-VHT80 MCS0	102	5510	19.65	20.50	92.77
		110	5550	21.44	22.00	
		134	5670	21.44	22.00	

5GHz WLAN						
Ant 5+6 Standalone (Head/Handheld)						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %	
5.8GHz WLAN	802.11a 6Mbps	149	5745	22.15	23.00	97.84
		157	5785	22.24	23.00	
		165	5825	22.07	23.00	
	802.11a+HT20 MCS0	149	5745	22.11	23.00	98.15
		157	5785	22.14	23.00	
		166	5825	21.98	23.00	
	802.11a+HT40 MCS0	151	5765	21.27	22.00	98.32
		159	5795	21.27	22.00	
		149	5745	22.08	23.00	
	802.11ac-VHT20 MCS0	157	5785	22.07	23.00	98.16
		165	5825	21.94	23.00	
		151	5765	21.26	22.00	
	802.11ac-VHT40 MCS0	159	5795	21.25	22.50	98.32
		155	5775	19.00	20.50	
		155	5775	19.00	20.50	

BT EDR				
Mode	Channel	Frequency (MHz)	1Mbps	Average power (dBm)
BR / EDR	Ch 00	2402	16.88	14.50
	Ch 03	2443	16.05	15.21
	Ch 75	2483	15.90	14.91
	Time-up Limit	17.5	16	16

BT LE				
Mode	Channel	Frequency (MHz)	GFSK	Average power (dBm)
LE	Ch 00	2402	10.14	
	Ch 19	2440	10.72	
	Ch 39	2480	10.16	
	Time-up Limit	11		

BT LE v5.0				
Mode	Channel	Frequency (MHz)	1Mbps	Average power (dBm)
LE	Ch 00	2402	10.16	
	Ch 19	2440	10.83	
	Ch 39	2480	10.34	
	Time-up Limit	11.00		

2.4GHz WLAN						
Ant 3+6 Head Simultaneous						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	19.21	20.00	100.00
		6	2437	19.35	20.00	
		11	2462	19.19	20.00	
	802.11g 6Mbps	1	2412	20.00	98.28	
		6	2437	20.00		
		11	2462	20.00		
802.11a+HT20 MCS0	1	2412	20.00	98.15		
	6	2437	20.00			
	11	2462	20.00			

5GHz WLAN						
Ant 5+6 Body Worn Standalone						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.21	15.00	97.84
		40	5200	14.83	15.00	
		44	5220	16.04	15.00	
	802.11a+HT20 MCS0	48	5240	14.17	15.00	98.15
		36	5180	15.00	98.15	
		40	5200	15.00		
	802.11a+HT40 MCS0	44	5220	15.00	98.32	
		48	5240	15.00		
		36	5180	14.59		
	802.11ac-VHT20 MCS0	48	5240	14.59	98.16	
		36	5180	15.00		
		40	5200	15.00		
	802.11ac-VHT40 MCS0	44	5220	15.00	98.32	
		48	5240	15.00		
		36	5180	14.59		
	802.11ac-VHT80 MCS0	46	5230	14.30	92.77	
		42	5210	14.00		
		42	5210	14.00		

5GHz WLAN						
Ant 5+6 Body Worn Standalone						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	52	5260	13.98	15.00	97.84
		56	5280	13.77	15.00	
		60	5300	13.87	15.00	
	802.11a+HT20 MCS0	64	5320	13.87	15.00	98.15
		52	5260	15.00	98.15	
		56	5280	15.00		
	802.11a+HT40 MCS0	60	5300	15.00	98.32	
		64	5320	15.00		
		54	5270	14.30		
	802.11ac-VHT20 MCS0	62	5310	14.59	98.16	
		52	5260	15.00		
		56	5280	15.00		
	802.11ac-VHT40 MCS0	60	5300	15.00	98.32	
		64	5320	15.00		
		54	5270	14.30		
	802.11ac-VHT80 MCS0	62	5310	14.30	92.77	
		58	5290	14.00		
		58	5290	14.00		

5GHz WLAN		Ant 5+6 Body Worn Standalone				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a BSSps	100	5500	13.82	15.00	97.94
		116	5580	13.38	15.00	
		132	5660	13.92	15.00	
		148	5720	14.08	15.00	
		164	5800		15.00	
		180	5880		15.00	
	802.11nHT20 MCS9	116	5580		15.00	98.15
		132	5660		15.00	
		148	5720		15.00	
		164	5800		14.50	
		180	5880		14.50	
		196	5960		14.50	
802.11nHT40 MCS9	110	5550		14.50	96.32	
	134	5670		14.50		
	158	5800		15.00		
	182	5920		15.00		
	206	6050		15.00		
	230	6170		14.50		
5.9GHz WLAN	802.11nHT20 MCS9	100	5500	Not Required	15.00	98.16
		116	5580		15.00	
		132	5660		15.00	
		148	5720		15.00	
		164	5800		15.00	
		180	5880		14.50	
	802.11nHT40 MCS9	102	5510		14.50	96.52
		126	5630		14.50	
		150	5750		14.50	
		174	5870		14.50	
		198	5990		14.50	
		222	6110		14.50	

5GHz WLAN						
Ant 5+6 Handheld Simultaneous						
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	18.18	17.00	97.94
		40	5200	18.20	17.00	
		44	5220	18.45	17.00	
		48	5240	18.53	17.00	
	802.11a-HT20 MCS0	36	5180		17.00	98.15
		40	5200		17.00	
		44	5220		17.00	
		48	5240		17.00	
	802.11a-HT40 MCS0	36	5190		18.50	98.32
		48	5230		18.50	
	802.11ac VHT20 MCS0	36	5180	Not Required	17.00	98.16
		40	5200		17.00	
		44	5220		17.00	
		48	5240		17.00	
	802.11ac VHT40 MCS0	36	5190		18.50	98.32
		48	5230		18.50	
	802.11ac VHT80 MCS0	42	5210		14.00	92.77

5GHz WLAN						
Ant 5+6 Handheld Simultaneous						
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5280	15.20	16.00	97.94
		56	5280	15.25	16.00	
		60	5300	15.24	16.00	
		64	5320	15.10	16.00	
	802.11a-HT20 MCS0	52	5280		16.00	98.15
		56	5280		16.00	
		60	5300		16.00	
		64	5320		16.00	
	802.11a-HT40 MCS0	54	5270		16.50	98.32
		62	5310		16.50	
	802.11ac VHT20 MCS0	52	5280		16.00	98.16
		56	5280		16.00	
		60	5300		16.00	
		64	5320		16.00	
	802.11ac VHT40 MCS0	54	5270		16.50	98.32
		62	5310		16.50	
	802.11ac VHT80 MCS0	58	5290		14.00	92.77

5GHz WLAN						
Ant 5+6 Handheld Simultaneous						
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5550	15.60	16.50	97.94
		118	5580	15.67	16.50	
		132	5600	15.65	16.50	
		140	5700	15.78	16.50	
	802.11a-HT20 MCS0	100	5550		16.50	98.15
		118	5580		16.50	
		132	5600		16.50	
		140	5700		16.50	
	802.11a-HT40 MCS0	102	5570		16.00	98.32
		110	5550		16.00	
	802.11ac VHT20 MCS0	100	5550	Not Required	16.50	98.16
		118	5580		16.50	
		132	5600		16.50	
		140	5700		16.50	
	802.11ac VHT40 MCS0	102	5570		16.00	98.32
		110	5550		16.00	
	802.11ac VHT80 MCS0	106	5530		15.00	92.77

5GHz WLAN						
Ant 5+6 Handheld Simultaneous						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %
	802.11a 6Mbps	148	5745	15.60	16.50	97.94
		157	5785	15.71	16.50	
		165	5820	15.87	16.50	
	802.11a-HT20 MCS0	148	5745		16.50	98.15
		157	5785		16.50	
		165	5820		16.50	
	802.11a-HT40 MCS0	151	5755		16.00	98.32
		159	5765		16.00	
	802.11ac VHT20 MCS0	148	5745	Not Required	16.50	98.16
		157	5785		16.50	
		165	5820		16.50	
		151	5755		16.00	
	802.11ac VHT40 MCS0	151	5755		16.00	98.32
		159	5765		16.00	
	802.11ac VHT80 MCS0	155	5775		16.00	92.77

5GHz WLAN						
Ant 5+6 Simultaneous Head						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %
	802.11a 6Mbps	148	5745	20.10	21.00	97.94
		157	5785	20.14	21.00	
		165	5820	20.14	21.00	
	802.11a-HT20 MCS0	148	5745		21.00	98.15
		157	5785		21.00	
		165	5820		21.00	
	802.11a-HT40 MCS0	151	5755		20.50	98.32
		159	5765		20.50	
	802.11ac VHT20 MCS0	148	5745	Not Required	21.00	98.16
		157	5785		21.00	
		165	5820		21.00	
		151	5755		20.50	
	802.11ac VHT40 MCS0	151	5755		20.50	98.32
		159	5765		20.50	
	802.11ac VHT80 MCS0	155	5775		20.50	92.77



Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.

Head - ANT.1

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	0	18	36	54	72	90	108	126
CDAM BC10	RC3 SO55	684	823.1	-	-	Right Cheek	0mm	0.157	0.203	0.066	0.049	0.128	0.126	0.098	0.099	0.086	0.053
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	1	19	37	55	73	91	109	127
LTE Band 14	10M/QPSK	233330	793	1	0	Right Cheek	0mm	0.142	0.146	0.015	0.032	0.103	0.118	0.085	0.048	0.070	0.007
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	2	20	38	56	74	92	110	128
CDMA BC0	RC3 SO55	384	836.52	-	-	Left Cheek	0mm	0.145	0.176	0.113	0.085	0.086	0.073	0.074	0.078	0.085	0.118
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	3	21	39	57	75	93	111	129
CDMA BC1	RC3 SO55	600	1880	-	-	Left Cheek	0mm	0.076	0.106	0.045	0.063	0.064	0.052	0.058	0.061	0.092	0.081
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	4	22	40	58	76	94	112	130
WCDMA B2	RMC 12.2Kbps	9262	1852.4	-	-	Left Cheek	0mm	0.021	0.072	0.030	0.034	0.039	0.038	0.096	0.034	0.043	0.049
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	5	23	41	59	77	95	113	131
WCDMA B4	RMC 12.2Kbps	1513	1752.6	-	-	Left Cheek	0mm	0.056	0.095	0.024	0.025	0.029	0.030	0.067	0.053	0.031	0.034
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	6	24	42	60	78	96	114	132
WCDMA B5	RMC 12.2Kbps	4233	846.6	-	-	Left Cheek	0mm	0.090	0.189	0.025	0.034	0.072	0.050	0.053	0.036	0.115	0.147
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	7	25	43	61	79	97	115	133
LTE Band 26	15M/QPSK	26765	821.5	36	0	Right Cheek	0mm	0.087	0.185	0.036	0.086	0.083	0.029	0.051	0.040	0.117	0.157
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	8	26	44	62	80	98	116	134
LTE Band 13	10M/QPSK	23230	782	1	0	Right Cheek	0mm	0.113	0.121	0.043	0.046	0.038	0.005	0.006	0.012	0.043	0.028
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	9	27	45	63	81	99	117	135
LTE Band 7	20M/QPSK	21100	2535	1	0	Right Cheek	0mm	0.057	0.070	0.048	0.044	0.047	0.069	0.054	0.037	0.041	0.044
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	10	28	46	64	82	100	118	136
LTE Band 12	10M/QPSK	23095	707.5	1	0	Right Cheek	0mm	0.141	0.162	0.056	0.079	0.003	0.002	0.003	0.009	0.020	0.013
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	11	29	47	65	83	101	119	137
LTE Band30_Ant1	10M/QPSK	27710	2310	1	0	Left Cheek	0mm	0.011	0.081	0.005	0.005	0.003	0.004	0.003	0.003	0.004	0.004
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	12	30	48	66	84	102	120	138
LTE Band 66	20M/QPSK	132572	1770	1	0	Left Cheek	0mm	0.089	0.121	0.037	0.035	0.040	0.062	0.054	0.023	0.037	0.039
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	13	31	49	67	85	103	121	139
LTE Band41_HPUE	20M/QPSK	40620	2593	1	0	Right Cheek	0mm	0.044	0.051	0.039	0.040	0.039	0.039	0.036	0.030	0.033	0.033
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	14	32	50	68	86	104	122	140
FR1 n25&n2	20M/QPSK	372000	1880	1	1	Left Cheek	0mm	0.071	0.096	0.013	0.009	0.010	0.014	0.013	0.028	0.011	0.012
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	15	33	51	69	87	105	123	141
FR1 n41_HPUE	100M/QPSK	518598	2592.99	135	0	Right Cheek	0mm	0.084	0.130	0.038	0.045	0.063	0.052	0.045	0.049	0.078	0.053
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	16	34	52	70	88	106	124	142
FR1 n66	20M/QPSK	344000	1720	1	1	Left Cheek	0mm	0.083	0.108	0.053	0.056	0.062	0.069	0.058	0.051	0.062	0.051
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	17	35	53	71	89	107	125	143
FR1 n71	20M/QPSK	136100	680.5	50	28	Left Cheek	0mm	0.087	0.103	0.023	0.012	0.016	0.006	0.004	0.001	0.000	0.002

Head - ANT.2

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																													
									Auto-Tune	1	7	13	19	25	31	37	43	49	55	61	67	73	79	85	91	97	103	109	115	121	127	133	139	0	30	60	90	120
CDMA2000 BC0	RC3 SCSS	777	443.1	-	-	Left Cheek	0mm	1.040	1.880	0.205	0.398	1.050	0.287	0.520	0.194	0.400	0.398	0.282	0.513	0.171	0.549	0.905	0.224	0.391	0.950	0.995	0.174	0.257	0.495	1.009	0.200	0.354	0.863	0.384	0.524	0.998	0.624	0.384
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																													
WCDMA BS	RMC 12.2Mbps	4233	846.6	-	-	Left Tilted	0mm	0.798	1.660	0.182	0.379	1.031	0.268	0.505	0.175	0.381	0.379	0.263	0.494	0.152	0.13	0.886	0.205	0.372	0.931	0.976	0.155	0.238	0.476	0.984	0.181	0.335	0.844	0.167	0.342	0.512	0.678	0.784
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																													
LTE Band5	10M/QPSK	20600	844	25	0	Left Tilted	0mm	0.374	1.040	0.049	0.237	0.464	0.631	0.755	0.835	0.152	0.365	0.574	0.783	0.789	0.342	0.493	0.711	0.877	0.029	0.121	0.362	0.762	0.043	0.407	0.041	0.679	0.757	0.634	0.354	0.124	0.432	0.235
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																													
CDMA2000 BC10	RC3 SCSS	580	820.5	-	-	Left Cheek	0mm	0.838	1.890	0.184	0.162	0.918	0.237	0.404	0.963	1.008	0.187	0.270	0.508	1.036	0.213	0.367	0.876	0.199	0.374	0.544	0.710	0.816	0.214	0.411	1.063	0.300	0.533	0.207	0.413	0.411	0.295	0.526
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																													
LTE Band 26	15M/QPSK	26865	831.5	1	0	Left Cheek	0mm	0.869	1.400	0.089	0.303	0.544	0.699	0.824	0.039	0.247	0.512	0.755	0.849	0.082	0.246	0.491	0.738	0.894	0.063	0.202	0.443	0.873	0.094	0.628	0.086	0.551	0.857	0.542	0.208	0.342	0.678	

Body Ant1																	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	0	18	36	54	72	90	108	126
CDMA BC10	RTAP 153.6Kbps	476	817.9	-	-	Back	5mm	0.624		0.316	0.079	0.261	0.331	0.613	0.536	0.518	0.096
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	1	19	37	55	73	91	109	127
LTE Band 14	10M/QPSK	23330	793	1	0	Back	5mm	0.508	0.562	0.049	0.109	0.324	0.378	0.395	0.266	0.334	0.052
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	2	20	38	56	74	92	110	128
CDMA BC0	RTAP 153.6Kbps	384	836.52	-	-	Back	5mm	0.778		0.067	0.129	0.315	0.384	0.665	0.732	0.592	0.434
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	3	21	39	57	75	93	111	129
CDMA BC1	RTAP 153.6Kbps	1175	1908.75	-	-	Bottom Side	5mm	0.937	1.880	0.384	0.484	0.591	0.618	0.423	0.602	0.653	0.902
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	4	22	40	58	76	94	112	130
WCDMA B2	RMC 12.2Kbps	9400	1880	-	-	Bottom Side	5mm	0.947	1.270	0.459	0.491	0.589	0.587	1.252	0.526	0.652	0.729
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	5	23	41	59	77	95	113	131
WCDMA B4	RMC 12.2Kbps	1413	1732.6	-	-	Back	5mm	0.874	1.130	0.389	0.393	0.409	0.449	0.451	0.992	0.429	0.434
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	6	24	42	60	78	96	114	132
WCDMA B5	RMC 12.2Kbps	4132	826.4	-	-	Back	5mm	0.608		0.162	0.214	0.441	0.300	0.217	0.119	0.651	0.698
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	7	25	43	61	79	97	115	133
LTE Band 26	15M/QPSK	26865	831.5	1	0	Back	5mm	0.445		0.123	0.150	0.297	0.107	0.199	0.182	0.406	0.452
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	8	26	44	62	80	98	116	134
LTE Band 13	10M/QPSK	23230	782	1	0	Back	5mm	0.482	0.615	0.185	0.200	0.232	0.043	0.041	0.078	0.252	0.183
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	9	27	45	63	81	99	117	135
LTE Band 7	20M/QPSK	21100	2535	1	0	Back	5mm	1.030	1.681	1.394	1.318	1.297	1.783	1.477	1.020	1.182	1.253
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	10	28	46	64	82	100	118	136
LTE Band 12	10M/QPSK	23095	707.5	1	0	Back	5mm	0.589	0.754	0.173	0.251	0.015	0.011	0.012	0.032	0.076	0.049
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	11	29	47	65	83	101	119	137
LTE Band30_Ant1	10M/QPSK	27710	2310	25	0	Bottom Side	5mm	1.020	1.830	1.663	1.762	0.946	1.499	1.651	1.478	1.693	1.690
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	12	30	48	66	84	102	120	138
LTE Band 66	20M/QPSK	132572	1770	1	0	Back	5mm	0.959	1.180	0.485	0.400	0.579	0.765	0.644	0.281	0.454	0.464
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	13	31	49	67	85	103	121	139
LTE Band41_Ant1	20M/QPSK	40185	2549.5	50	0	Bottom Side	5mm	1.110	2.550	1.937	1.936	2.099	1.947	1.793	1.337	1.566	1.604
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	14	32	50	68	86	104	122	140
FR1 n25&N2_Ant1	20M/QPSK	372000	1860	1	1	Bottom Side	5mm	1.050	1.910	0.226	0.589	0.617	0.812	0.751	1.674	0.959	0.578
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	15	33	51	69	87	105	123	141
FR1 n41 HPUE	100M/QPSK	518598	2592.99	135	0	Back	5mm	1.010	2.080	1.326	1.437	1.351	1.323	1.200	1.888	1.128	1.097
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	16	34	52	70	88	106	124	142
FR1 n66	20M/QPSK	354000	1770	1	1	Bottom Side	5mm	1.120	1.890	0.535	0.784	0.713	0.826	0.690	1.384	0.375	0.544
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	17	35	53	71	89	107	125	143
FR1 n71	20M/QPSK	136100	680.5	50	28	Bottom Side	5mm	0.353		0.174	0.102	0.126	0.045	0.034	0.014	0.001	0.021

Body Ant2																																						
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																													
									Auto-Tune	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140
CDMA BCD	BTAP 153.6Kbps	777	848.21	-	-	Top Side	5mm	0.893	1.260	0.235	0.483	0.947	0.302	0.762	0.843	0.761	0.864	0.913	0.345	0.532	0.687	0.789	0.864	0.432	0.254	0.569	0.784	0.892	0.367	0.539	0.749	0.868	0.427	0.834	0.336	0.783	0.252	0.886
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																													
									Auto-Tune	1	6	11	16	21	26	31	36	41	46	51	56	61	66	71	76	81	86	91	96	101	106	111	116	121	126	131	136	141
WCDMA BS	RMK 12.7Kbps	4132	826.4	-	-	Top Side	5mm	0.857	1.130	0.662	0.743	0.100	0.205	0.383	0.561	0.663	0.749	0.165	0.381	0.599	0.78	0.757	0.196	0.100	0.494	0.636	0.740	0.168	0.330	0.545	0.766	0.227	0.747	0.112	0.498	0.589	0.731	0.221
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																													
									Auto-Tune	2	7	12	17	22	27	32	37	42	47	52	57	62	67	72	77	82	87	92	97	102	107	112	117	122	127	132	137	142
LTE Band 5	10MA/QPSK	20525	836.5	1	0	Top Side	5mm	0.477	1.430	0.047	0.228	0.429	0.566	0.667	0.797	0.189	0.416	0.606	0.782	0.064	0.234	0.403	0.556	0.685	0.695	0.161	0.383	0.651	0.054	0.475	0.047	0.809	0.598	0.137	0.698	0.731	0.335	0.203
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																													
									Auto-Tune	3	8	13	18	23	28	33	38	43	48	53	58	63	68	73	78	83	88	93	98	103	108	113	118	123	128	133	138	143
CDMA2000 BC130_Ant2	BTAP 153.6Kbps	476	817.9	-	-	Top Side	5mm	0.873	1.180	0.581	0.796	0.904	0.379	0.551	0.761	0.880	0.439	0.846	0.348	0.795	0.264	0.898	0.593	0.808	0.916	0.391	0.563	0.773	0.892	0.451	0.838	0.390	0.807	0.276	0.910	0.876	0.444	0.266
Mode	Service/Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																													
									Auto-Tune	4	9	14	19	24	29	34	39	44	49	54	59	64	69	74	79	84	89	94	99	104	109	114	119	124	129	134	139	
LTE Band 26	15MA/QPSK	26865	831.5	1	0	Top Side	5mm	0.705	0.942	0.105	0.283	0.461	0.563	0.649	0.065	0.281	0.499	0.680	0.657	0.096	0.134	0.394	0.536	0.640	0.068	0.230	0.445	0.666	0.127	0.647	0.102	0.562	0.643	0.389	0.124	0.364	0.487	

Verified with SAR >1.2W/Kg)

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																															
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20										
WCDMA B2	RMC 12.2Kbps	9400	1880	-	-	Bottom Side	5mm	0.947	1.270	0.632	0.313	0.377	0.424	0.459	0.483	0.508	0.525	0.542	0.545	0.555	0.565	0.574	0.589	0.665	0.690	0.293	0.354	0.399	0.434	0.459										
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41										
										0.479	0.491	0.512	0.512	0.525	0.534	0.557	0.555	0.616	0.568	0.411	0.458	0.532	0.526	0.543	0.557	0.568	0.572	0.581	0.589	0.592										
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62										
										0.600	0.608	0.642	0.643	0.393	0.445	0.481	0.507	0.525	0.541	0.552	0.561	0.563	0.568	0.570	0.589	0.587	0.622	0.451	1.270	1.061										
										63	55	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83										
										0.920	0.839	0.788	0.748	0.715	0.692	0.688	0.676	0.660	0.631	0.633	0.561	0.396	1.252	1.264	1.081	0.934	0.854	0.752	0.748	0.710										
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104										
										0.703	0.680	0.661	0.622	0.621	0.526	0.597	0.581	0.569	0.562	0.526	0.968	0.749	0.397	0.391	0.390	0.391	0.387	0.385	0.375	1.220										
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125										
										1.012	0.928	0.825	0.746	0.708	0.682	0.657	0.652	0.637	0.625	0.614	0.608	0.599	0.591	0.609	0.589	0.571	0.561	0.556	0.539	1.263										
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143													
										1.219	0.989	0.861	0.789	0.729	0.688	0.653	0.647	0.628	0.610	0.597	0.584	0.565	0.575	0.537	0.532	0.522	0.493													
										Hotspot on																														
										Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																					
										Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20									
										WCDMA B4	RMC 12.2Kbps	1413	1732.6	-	-	Back	5mm	0.874	1.130	0.347	0.388	0.390	0.390	0.389	0.389	0.388	0.387	0.387	0.388	0.389	0.389	0.389	0.389	0.386	0.389	0.392	0.358	0.361	0.362	0.362
21																				22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
0.362	0.362	0.393	0.362	0.362	0.363	0.361	0.362	0.360	0.308											0.600	0.528	0.489	0.464	0.449	0.437	0.428	0.420	0.419	0.412	0.409										
42	43	44	45	46	47	48	49	50	51											52	53	54	55	56	57	58	59	60	61	62										
0.400	0.399	0.378	0.362	0.577	0.512	0.476	0.449	0.435	0.423											0.414	0.406	0.406	0.400	0.397	0.387	0.386	0.363	0.293	0.624	0.986										
63	64	65	66	67	68	69	70	71	72											73	74	75	76	77	78	79	80	81	82	83										
0.828	0.710	0.607	0.558	0.519	0.488	0.483	0.467	0.445	0.416											0.411	0.339	0.239	0.306	0.451	0.566	0.579	0.555	0.538	0.493	0.489										
84	85	86	87	88	89	90	91	92	93											94	95	96	97	98	99	100	101	102	103	104										
0.461	0.443	0.430	0.406	0.399	0.394	0.378	0.363	0.352	0.347											0.319	0.992	0.712	0.247	0.241	0.240	0.239	0.238	0.334	0.621	0.892										
105	106	107	108	109	110	111	112	113	114											115	116	117	118	119	120	121	122	123	124	125										
0.767	0.664	0.596	0.542	0.499	0.465	0.444	0.443	0.429	0.414											0.393	0.375	0.384	0.379	0.367	0.365	0.345	0.340	0.321	0.302	0.344										
126	127	128	129	130	131	132	133	134	135											136	137	138	139	140	141	142	143													
0.495	0.546	0.524	0.493	0.466	0.434	0.412	0.405	0.392	0.380											0.363	0.350	0.351	0.327	0.321	0.315	0.294	0.284													
Hotspot on																																								
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																															
Auto-Tune	0	1	2	3	4	5	6	7	8											9	10	11	12	13	14	15	16	17	18	19	20									
CDMA2000 8C1_Ant1	RTAP 153.6Kbps	1175	1908.75	-	-	Bottom Side	5mm	0.937	1.880											0.583	0.315	0.384	0.466	0.687	0.654	0.633	0.602	0.611	0.618	0.612	0.574	0.611	0.632	0.684	0.322	0.358	0.401	0.422	0.458	0.471
										21										22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
										0.484	0.502	0.532	0.548	0.555	0.584	0.592	0.569	0.573	0.621	0.432	0.466	0.492	0.544	0.562	0.532	0.554	0.584	0.591	0.589	0.611										
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62										
										0.652	0.638	0.689	0.688	0.584	0.564	0.575	0.584	0.532	0.590	0.583	0.589	0.579	0.580	0.634	0.592	0.621	0.618	0.482	1.384	1.201										
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83										
										1.182	1.010	0.834	0.792	0.722	0.802	0.766	0.742	0.723	0.705	0.705	0.599	0.423	1.666	1.566	1.326	1.132	1.029	0.934	0.843	0.811										
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104										
										0.733	0.692	0.691	0.652	0.651	0.556	0.627	0.620	0.599	0.602	0.556	0.998	0.779	0.427	0.421	0.420	0.410	0.417	0.415	0.410	1.250										
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125										
										1.008	0.882	0.821	0.742	0.704	0.683	0.653	0.648	0.633	0.631	0.610	0.604	0.603	0.587	0.605	0.585	0.567	0.557	0.552	0.489	1.421										
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143													
										1.319	1.045	0.962	0.902	0.829	0.788	0.753	0.747	0.728	0.825	0.697	0.685	0.665	0.675	0.624	0.632	0.622	0.602													
										Hotspot on																														
										Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																					
										Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20									
										LTE Band7	20M/QPSK	21100	2535	1	0	Back	5mm	1.03	1.930	1.274	1.553	1.625	1.590	1.533	1.500	1.456	1.415	1.386	1.394	1.378	1.361	1.318	1.330	1.290	1.336	1.569	1.616	1.612	1.553	1.519
21																				22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
1.473	1.434	1.399	1.410	1.395	1.360	1.318	1.343	1.271	1.250											1.512	1.596	1.556	1.511	1.473	1.430	1.385	1.346	1.367	1.360	1.338										
42	43	44	45	46	47	48	49	50	51											52	53	54	55	56	57	58	59	60	61	62										
1.295	1.322	1.257	1.297	1.508	1.594	1.561	1.513	1.466	1.427											1.388	1.351	1.361	1.332	1.327	1.294	1.308	1.248	1.076	1.570	1.824										
63	64	65	66	67	68	69	70	71	72											73	74	75	76	77	78	79	80	81	82	83										
1.783	1.669	1.567	1.466	1.401	1.340	1.357	1.307	1.290	1.214											1.236	1.119	1.019	1.498	1.801	1.777	1.656	1.566	1.477	1.387	1.330										
84	85	86	87	88	89	90	91	92	93											94	95	96	97	98	99	100	101	102	103	104										
1.350	1.310	1.272	1.213	1.176	1.237	1.183	1.138	1.130	1.103											1.105	1.786	1.795	1.051	1.015	1.020	1.016	1.010	0.999	1.016	1.595										
105	106	107	108	109	110	111	112	113	114											115	116	117	118	119	120	121	122	123	124	125										
1.840	1.783	1.651	1.547	1.478	1.391	1.323	1.337	1.323	1.280											1.226	1.186	1.182	1.245	1.201	1.167	1.133	1.113	1.107	0.971	1.521										
126	127	128	129	130	131	132	133	134	135											136	137	138	139	140	141	142	143													
1.797	1.754	1.636	1.538	1.445	1.364	1.304	1.313	1.287	1.253											1.200	1.137	1.217	1.173	1.135	1.100	1.082	1.094													
Sensor on																																								
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																															
Auto-Tune	0	1	2	3	4	5	6	7	8											9	10	11	12	13	14	15	16	17	18	19	20									
LTE Band30	10M/QPSK	27710	2310	25	0	Bottom Side	5mm	1.02	1.830											1.561	0.701	0.995	1.215	1.374	1.451	1.532	1.582	1.628	1.615	1.649	1.663	1.691	1.684	1.733	1.629	0.655	0.932	1.159	1.325	1.390
										21										22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
										1.432	1.560	1.602	1.602	1.630	0.652	1.694	1.689	1.762	1.546	0.711	1.000	1.225	1.379	1.459	1.530	1.586	1.623	1.618	1.642	1.664										
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60												

