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, Clippin 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 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	8.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %

10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	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 %

[E] 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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校准
CALIBRATION
CNAS L0570

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)℃ 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

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Glossary:

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,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 θ=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:

a) 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

b) 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

c) 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

d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- *NORMx,y,z:* Assessed for E-field polarization θ=0 (f≤900MHz in TEM-cell; f>1800MHz: waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not effect the E^2-field uncertainty inside TSL (see below ConvF).
- *NORM(f)x,y,z = NORMx,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.
- *DCPx,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.
- *Ax,y,z; Bx,y,z; Cx,y,z;VRx,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≤800MHz) and inside waveguide using analytical field distributions based on power measurements for f >800MHz. 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 NORMx,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±50MHz to±100MHz.
- *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 *NORMx* (no uncertainty required).

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

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (*k*=2)
Norm(μV/(V/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 E²-field uncertainty inside TSL (see Page 4).
[B] Numerical linearization parameter: uncertainty not required.
[E] Uncertainly 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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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.

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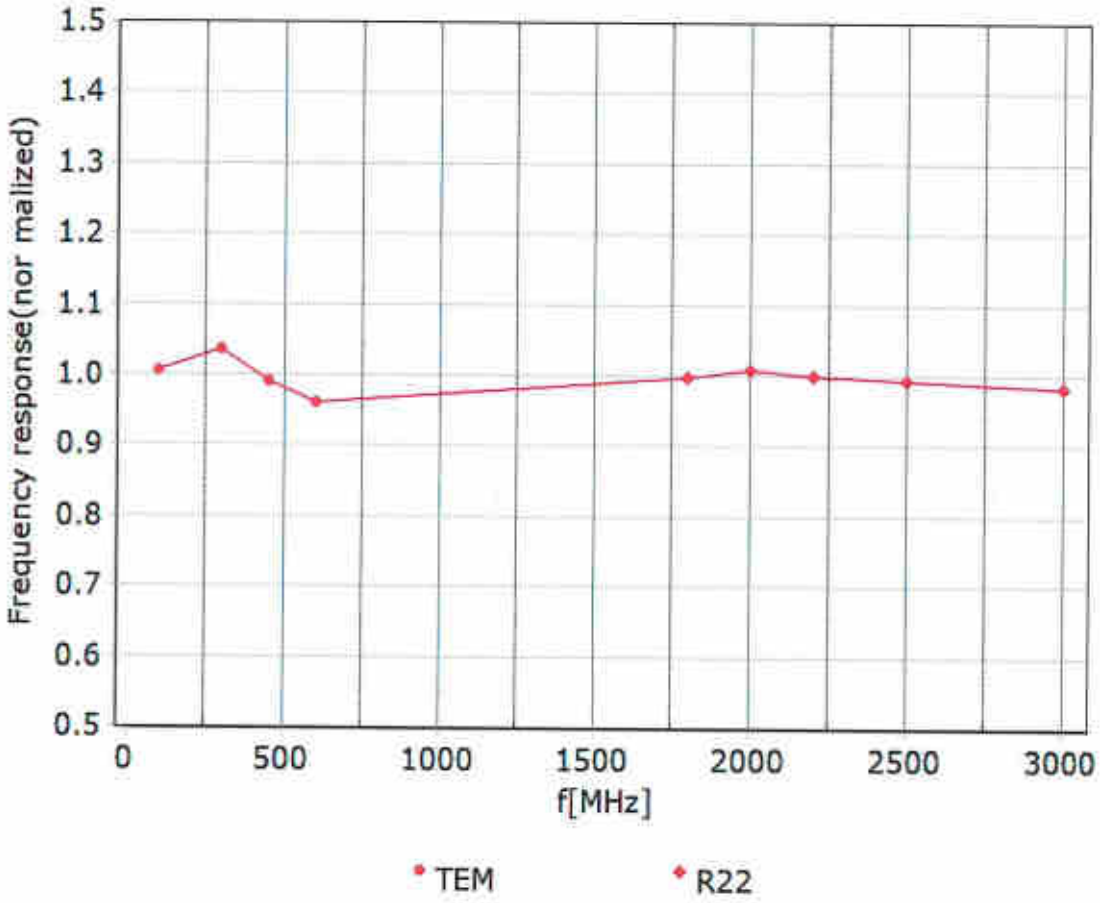
Frequency Response of E-Field
(TEM-Cell: ifi110 EXX, Waveguide: R22)



Uncertainty of Frequency Response of E-field: ±7.4% (*k*=2)

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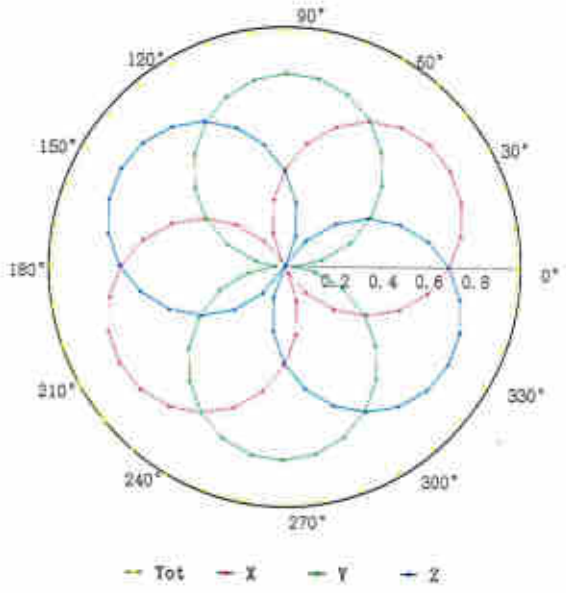
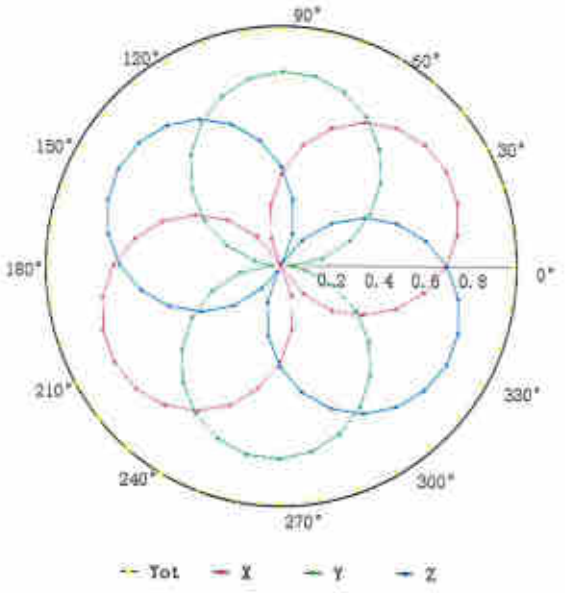
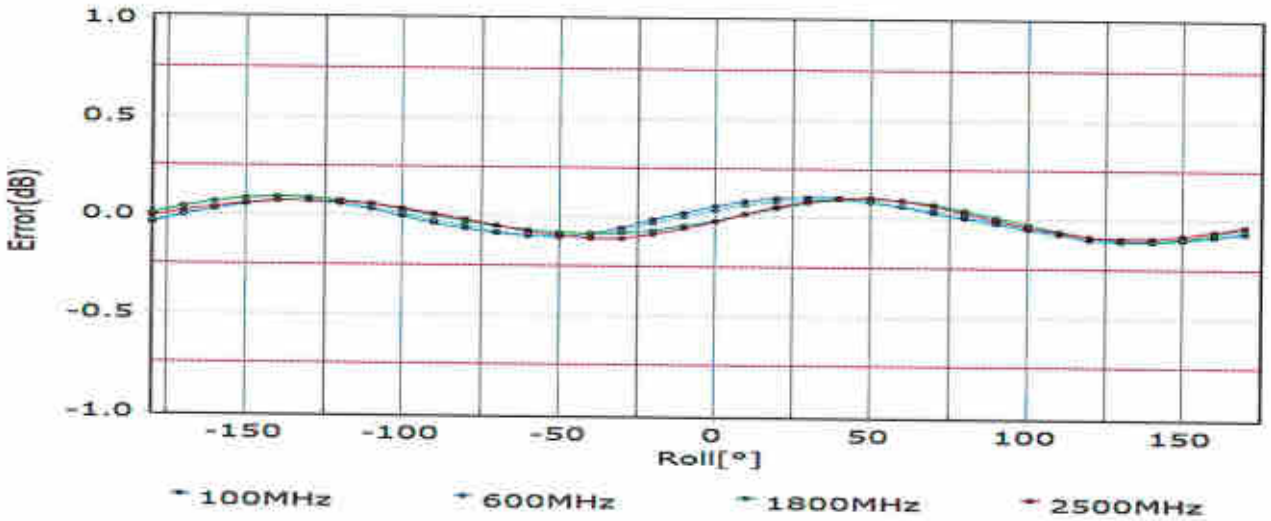
Receiving Pattern (Φ), θ=0°

f=600 MHz, TEM



f=1800 MHz, R22





Uncertainty of Axial Isotropy Assessment: ±1.2% (*k*=2)

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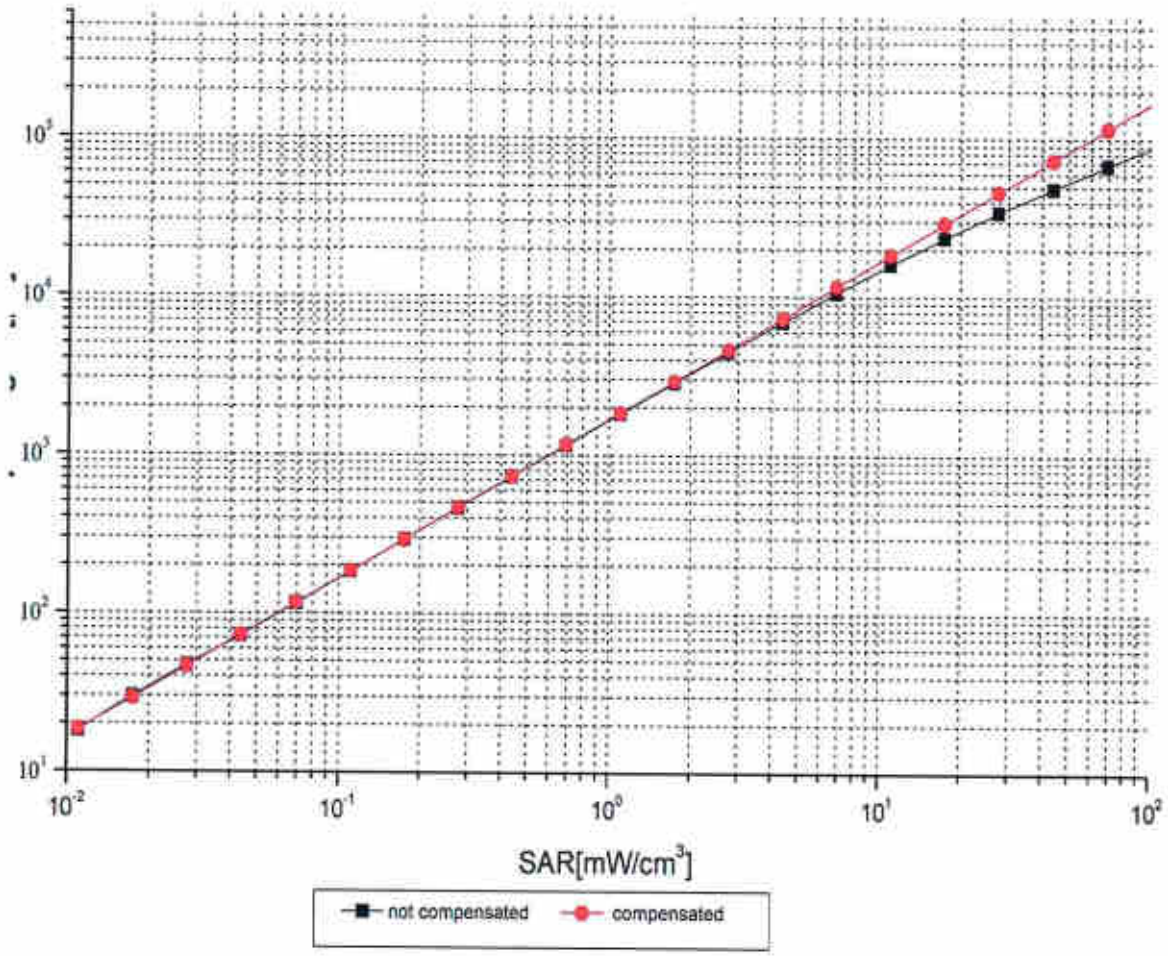
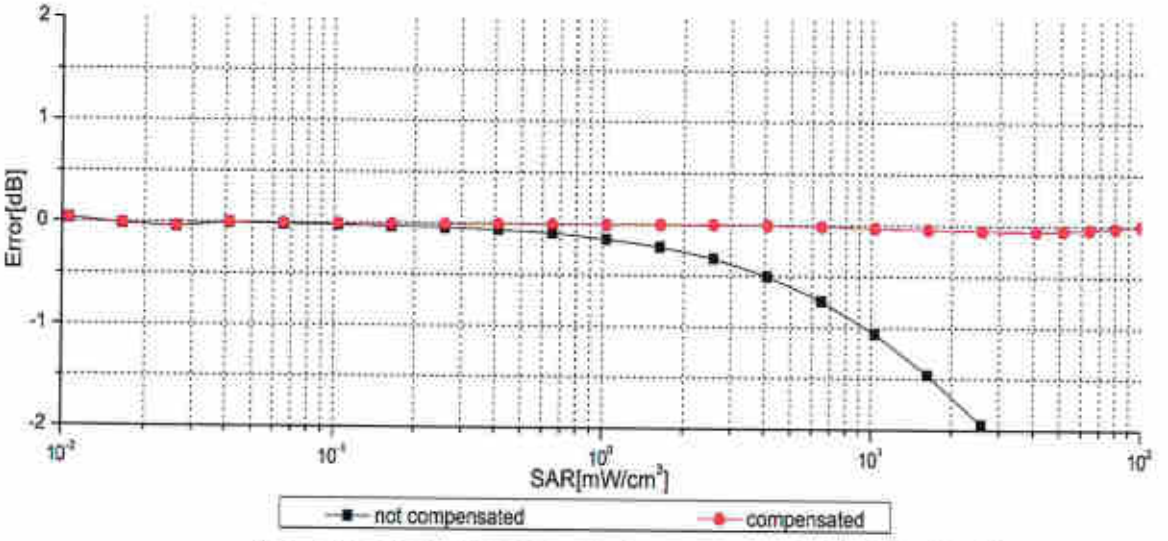
Dynamic Range f(SAR_{head})
(TEM cell, f = 900 MHz)





Uncertainty of Linearity Assessment: ±0.9% (*k*=2)

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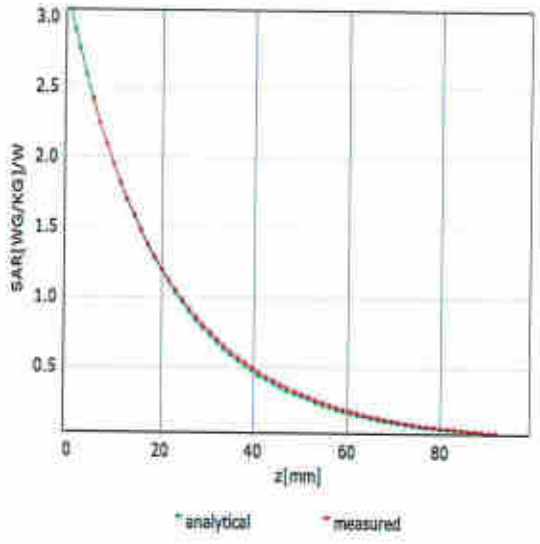
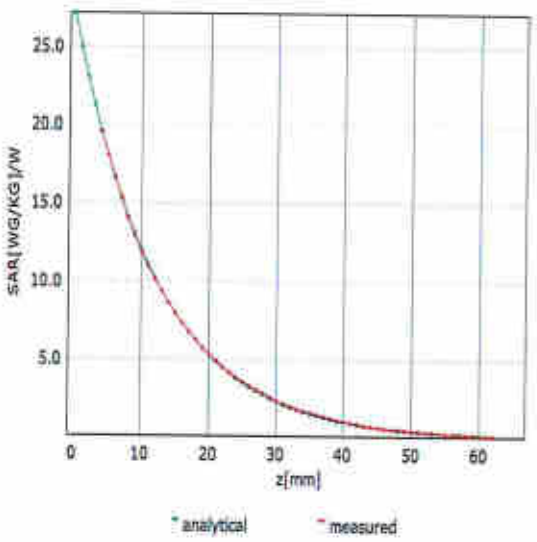
Conversion Factor Assessment

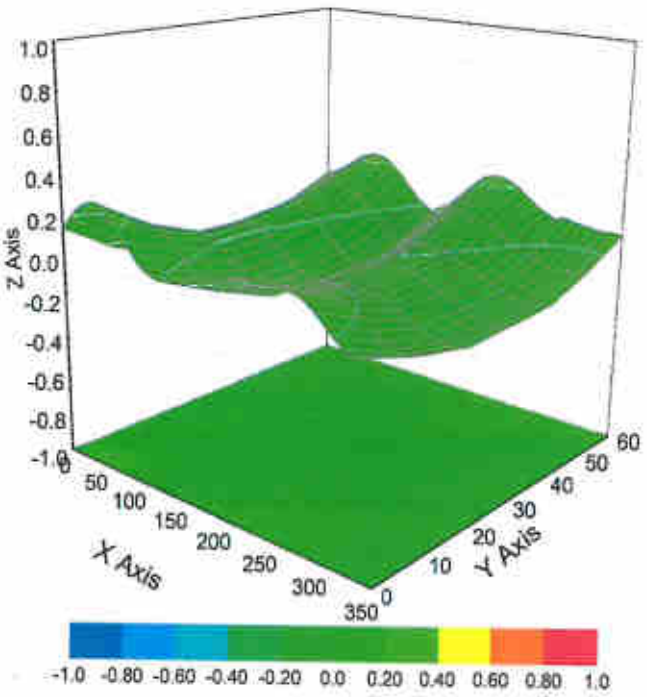
f=750 MHz,WGLS R9(H_convF)



f=1750 MHz,WGLS R22(H_convF)



Deviation from Isotropy in Liquid



Uncertainty of Spherical Isotropy Assessment: ±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)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
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	15.97	15.91	15.81	16.50
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	18.25	18.05	18.05	19.24
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)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.25	28.58	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	24.79	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 II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	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	RMC 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 8	DC-HSDPA Subtest-1	21.75	21.68	21.69	23.00	21.70	21.70	21.91	23.00	21.67	21.59	21.55	23.00
3GPP Rel 8	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 8	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 8	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	21.67	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	19.68	19.60	19.52	21.00
3GPP Rel 6	HSUPA Subtest-3	20.87	20.68	20.64	22.00	20.89	20.99	21.03	22.00	20.65	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	22.09	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	684	
Frequency (MHz)	824.7	836.52	848.31		1851.25	1880	1908.75		817.9	820.5	823.1	
RC1 SO55	24.12	24.04	23.96	25.00	24.09	23.99	24.05	25.00	23.98	24.23	24.34	25.00
RC3 SO55	24.12	24.16	23.94	25.00	24.09	24.14	24.03	25.00	23.99	24.40	24.34	25.00
RC3 SO32 (F+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 SO32 (+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 153.6Kbps	24.11	24.09	23.89	25.00	24.11	24.02	24.05	25.00	24.00	24.23	24.39	25.00
RETAP 4096Bits	24.14	24.11	23.98	25.00	24.13	24.02	24.08	25.00	24.02	24.24	24.38	25.00

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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	22.33	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	21.23	21.22		
20	QPSK	100	0	21.28	21.29	21.22		
20	16QAM	1	0	21.68	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	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		
15	16QAM	1	37	21.40	21.36	21.38	23	1
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	20.67	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	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	21.54	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	22.23	22.30	22.33		
5	QPSK	1	12	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		
5	16QAM	1	12	21.73	21.58	21.55	23	1
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	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	20.68	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	22.23	22.22	22.19		
1.4	QPSK	1	3	22.21	22.25	22.15		
1.4	QPSK	1	5	22.35	22.17	22.02	24	0
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	21.62	21.50		
1.4	16QAM	1	3	21.84	21.60	21.51		
1.4	16QAM	1	5	21.71	21.52	21.41	23	1
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		
1.4	16QAM	6	0	20.58	20.38	20.27	22	2
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		
1.4	64QAM	6	0	19.54	19.37	19.27	21	3

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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	22.35	22.42	22.31		
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	50	21.30	21.29	21.31		
20	QPSK	100	0	21.25	21.28	21.27		
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	50	20.23	20.34	20.33		
20	16QAM	100	0	20.24	20.28	20.26		
20	64QAM	1	0	20.35	20.55	20.48		
20	64QAM	1	49	20.24	20.45	20.31	22	2
20	64QAM	1	99	20.21	20.56	20.49		
20	64QAM	50	0	19.24	19.32	19.38		
20	64QAM	50	24	19.29	19.35	19.37	21	3
20	64QAM	50	50	19.30	19.36	19.36		
20	64QAM	100	0	19.29	19.29	19.35		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	22.13	22.20	22.32		
15	QPSK	1	37	22.08	22.20	22.22	24	0
15	QPSK	1	74	22.03	22.10	22.18		
15	QPSK	36	0	21.13	21.28	21.34		
15	QPSK	36	20	21.11	21.28	21.29	23	1
15	QPSK	36	39	21.20	21.30	21.31		
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	21.59	23	1
15	16QAM	1	74	21.26	21.54	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	64QAM	1	0	20.48	20.45	20.46		
15	64QAM	1	37	20.29	20.38	20.52	22	2
15	64QAM	1	74	20.22	20.50	20.46		
15	64QAM	36	0	19.18	19.31	19.36		
15	64QAM	36	20	19.23	19.33	19.38	21	3
15	64QAM	36	39	19.17	19.34	19.33		
15	64QAM	75	0	19.17	19.29	19.32		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	22.30	22.30	22.39		
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	21.66	21.68		
10	16QAM	25	0	20.42	20.47	20.45		
10	16QAM	25	12	20.43	20.44	20.49	22	2
10	16QAM	25	25	20.41	20.45	20.50		
10	16QAM	50	0	20.38	20.39	20.46		
10	64QAM	1	0	20.52	20.60	20.68		
10	64QAM	1	25	20.45	20.59	20.63	22	2
10	64QAM	1	49	20.46	20.57	20.57		
10	64QAM	25	0	19.44	19.46	19.53		
10	64QAM	25	12	19.46	19.53	19.50	21	3
10	64QAM	25	25	19.28	19.51	19.54		
10	64QAM	50	0	19.43	19.43	19.46		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	22.33	22.34	22.23		
5	QPSK	1	12	22.25	22.39	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	21.40	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		
5	16QAM	1	12	21.55	21.67	21.67	23	1
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	64QAM	1	0	20.61	20.68	20.73		
5	64QAM	1	12	20.59	20.61	20.63	22	2
5	64QAM	1	24	20.60	20.62	20.60		
5	64QAM	12	0	19.45	19.44	19.57		
5	64QAM	12	7	19.43	19.45	19.56	21	3
5	64QAM	12	13	19.40	19.48	19.55		
5	64QAM	25	0	19.42	19.45	19.52		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	22.22	22.28	22.36		
3	QPSK	1	8	22.27	22.39	22.21	24	0
3	QPSK	1	14	22.19	22.32	22.36		
3	QPSK	8	0	21.34	21.39	21.49		
3	QPSK	8	4	21.34	21.48	21.47	23	1
3	QPSK	8	7	21.31	21.41	21.45		
3	QPSK	15	0	21.34	21.38	21.45		
3	16QAM	1	0	21.55	21.59	21.70		
3	16QAM	1	8	21.62	21.70	21.76	23	1
3	16QAM	1	14	21.57	21.64	21.67		
3	16QAM	8	0	20.39	20.44	20.53		
3	16QAM	8	4	20.40	20.51	20.53	22	2
3	16QAM	8	7	20.36	20.46	20.51		
3	16QAM	15	0	20.34	20.42	20.52		
3	64QAM	1	0	20.51	20.53	20.59		
3	64QAM	1	8	20.59	20.66	20.64	22	2
3	64QAM	1	14	20.53	20.55	20.55		
3	64QAM	8	0	19.45	19.45	19.55		
3	64QAM	8	4	19.47	19.55	19.56	21	3
3	64QAM	8	7	19.42	19.51	19.55		
3	64QAM	15	0	19.39	19.44	19.56		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	22.08	22.22	22.26		
1.4	QPSK	1	3	22.17	22.30	22.31		
1.4	QPSK	1	5	22.11	22.19	22.24	24	0
1.4	QPSK	3	0	22.12	22.24	22.29		
1.4	QPSK	3	1	22.17	22.28	22.32		
1.4	QPSK	3	3	22.14	22.24	22.27		
1.4	QPSK	6	0	21.20	21.35	21.38	23	1
1.4	16QAM	1	0	21.43	21.51	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	3	21.27	21.35	21.37		
1.4	16QAM	6	0	20.33	20.44	20.49	22	2
1.4	64QAM	1	0	20.32	20.43	20.45		
1.4	64QAM	1	3	20.35	20.48	20.47		
1.4	64QAM	1	5	20.31	20.45	20.44	22	2
1.4	64QAM	3	0	20.30	20.39	20.42		
1.4	64QAM	3	1	20.34	20.44	20.46		
1.4	64QAM	3	3	20.25	20.40	20.42		
1.4	64QAM	6	0	19.26	19.37	19.43	21	3

Band 5 (Celluar Band) Part 22H(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				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.27	22.41	22.35		
10	QPSK	1	25	22.21	22.23	22.17	24	0
10	QPSK	1	49	22.25	22.18	22.23		
10	QPSK	25	0	21.82	21.90	21.74		
10	QPSK	25	12	21.89	21.81	21.76	23	1
10	QPSK	25	25	21.84	21.82	21.79		
10	QPSK	50	0	21.56	21.76	21.74		
10	16QAM	1	0	21.82	21.75	21.77		
10	16QAM	1	25	21.71	21.70	21.61	23	1
10	16QAM	1	49	21.76	21.74	21.69		
10	16QAM	25	0	20.82	20.80	20.76		
10	16QAM	25	12	20.91	20.80	20.75	22	2
10	16QAM	25	25	20.90	20.84	20.81		
10	16QAM	50	0	20.92	20.78	20.78		
10	64QAM	1	0	21.05	21.05	20.96		
10	64QAM	1	25	21.02	20.91	20.87	22	2
10	64QAM	1	49	20.97	20.96	20.92		
10	64QAM	25	0	19.84	19.79	19.78		
10	64QAM	25	12	19.99	19.83	19.83	21	3
10	64QAM	25	25	19.85	19.81	19.83		
10	64QAM	50	0	19.93	19.83	19.76		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	22.40	22.24	22.16		
5	QPSK	1	12	22.32	22.30	22.22	24	0
5	QPSK	1	24	22.34	22.27	22.16		
5	QPSK	12	0	21.91	21.78	21.72		
5	QPSK	12	7	21.88	21.85	21.71	23	1
5	QPSK	12	13	21.86	21.81	21.76		
5	QPSK	25	0	21.90	21.75	21.74		
5	16QAM	1	0	21.92	21.77	21.66		
5	16QAM	1	12	21.78	21.74	21.66	23	1
5	16QAM	1	24	21.79	21.79	21.65		
5	16QAM	12	0	20.90	20.79	20.78		
5	16QAM	12	7	20.89	20.83	20.74	22	2
5	16QAM	12	13	20.90	20.82	20.79		
5	16QAM	25	0	20.89	20.79	20.76		
5	64QAM	1	0	21.16	21.12	20.98		
5	64QAM	1	12	21.08	20.99	20.90	22	2
5	64QAM	1	24	21.16	21.07	20.93		
5	64QAM	12	0	19.95	19.84	19.79		
5	64QAM	12	7	19.93	19.88	19.73	21	3
5	64QAM	12	13	19.89	19.84	19.82		
5	64QAM	25	0	19.94	19.79	19.78		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	22.30	22.18	22.21		
3	QPSK	1	8	22.33	22.26	22.23	24	0
3	QPSK	1	14	22.25	22.22	22.19		
3	QPSK	8	0	21.87	21.75	21.76		
3	QPSK	8	4	21.87	21.84	21.78	23	1
3	QPSK	8	7	21.81	21.80	21.71		
3	QPSK	15	0	21.87	21.72	21.76		
3	16QAM	1	0	21.90	21.75	21.73		
3	16QAM	1	8	21.88	21.82	21.78	23	1
3	16QAM	1	14	21.83	21.79	21.76		
3	16QAM	8	0	20.93	20.79	20.79		
3	16QAM	8	4	20.92	20.87	20.80	22	2
3	16QAM	8	7	20.88	20.83	20.79		
3	16QAM	15	0	20.85	20.75	20.75		
3	64QAM	1	0	21.15	21.02	21.02		
3	64QAM	1	8	21.13	21.11	20.99	22	2
3	64QAM	1	14	21.13	21.05	20.96		
3	64QAM	8	0	19.89	19.77	19.81		
3	64QAM	8	4	19.91	19.83	19.78	21	3
3	64QAM	8	7	19.87	19.82	19.75		
3	64QAM	15	0	19.87	19.73	19.76		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	22.25	22.07	22.11		
1.4	QPSK	1	3	22.27	22.18	22.12		
1.4	QPSK	1	5	22.20	22.13	22.04	24	0
1.4	QPSK	3	0	22.24	22.07	22.06		
1.4	QPSK	3	1	22.26	22.19	22.11		
1.4	QPSK	3	3	22.25	22.13	22.08		
1.4	QPSK	6	0	21.79	21.69	21.61	23	1
1.4	16QAM	1	0	22.08	21.92	21.90		
1.4	16QAM	1	3	22.10	22.02	21.94		
1.4	16QAM	1	5	22.03	22.01	21.88	23	1
1.4	16QAM	3	0	21.75	21.63	21.60		
1.4	16QAM	3	1	21.80	21.70	21.65		
1.4	16QAM	3	3	21.77	21.68	21.60		
1.4	16QAM	6	0	20.83	20.75	20.65	22	2
1.4	64QAM	1	0	21.05	20.95	20.93		
1.4	64QAM	1	3	21.09	21.02	20.96		
1.4	64QAM	1	5	21.07	20.98	20.86	22	2
1.4	64QAM	3	0	20.92	20.75	20.74		
1.4	64QAM	3	1	20.95	20.86	20.79		
1.4	64QAM	3	3	20.92	20.81	20.73		
1.4	64QAM	6	0	19.83	19.73	19.67	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				20850	21100	21350		
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	23	1
20	QPSK	50	24	21.32	21.31	21.29		
20	QPSK	50	50	21.32	21.32	21.24		
20	QPSK	100	0	21.33	21.35	21.29		
20	16QAM	1	0	21.37	21.43	21.38	23	1
20	16QAM	1	49	21.46	21.56	21.38		
20	16QAM	1	99	21.54	21.54	21.50		
20	16QAM	50	0	20.26	20.28	20.24	22	2
20	16QAM	50	24	20.30	20.30	20.27		
20	16QAM	50	50	20.31	20.30	20.15		
20	16QAM	100	0	20.35	20.26	20.30		
20	64QAM	1	0	20.19	20.23	20.21	22	2
20	64QAM	1	49	20.29	20.35	20.37		
20	64QAM	1	99	20.35	20.38	20.35		
20	64QAM	50	0	19.29	19.28	19.29	21	3
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		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
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	23	1
15	QPSK	36	20	21.32	21.37	21.28		
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	23	1
15	16QAM	1	37	21.41	21.46	21.33		
15	16QAM	1	74	21.53	21.51	21.46		
15	16QAM	36	0	20.31	20.28	20.23	22	2
15	16QAM	36	20	20.32	20.33	20.30		
15	16QAM	36	39	20.31	20.25	20.24		
15	16QAM	75	0	20.33	20.30	20.31		
15	64QAM	1	0	20.28	20.57	20.29	22	2
15	64QAM	1	37	20.28	20.44	20.36		
15	64QAM	1	74	20.39	20.36	20.36		
15	64QAM	36	0	19.32	19.25	19.29	21	3
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		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
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	23	1
10	QPSK	25	12	21.48	21.50	21.48		
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	21.65	21.59	23	1
10	16QAM	1	25	21.54	21.76	21.54		
10	16QAM	1	49	21.72	21.78	21.76		
10	16QAM	25	0	20.46	20.48	20.42	22	2
10	16QAM	25	12	20.53	20.55	20.54		
10	16QAM	25	25	20.48	20.48	20.50		
10	16QAM	50	0	20.48	20.49	20.48		
10	64QAM	1	0	20.56	20.58	20.60	22	2
10	64QAM	1	25	20.54	20.64	20.48		
10	64QAM	1	49	20.71	20.68	20.63		
10	64QAM	25	0	19.51	19.40	19.43	21	3
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		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	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	23	1
5	QPSK	12	7	21.53	21.52	21.47		
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	23	1
5	16QAM	1	12	21.72	21.75	21.69		
5	16QAM	1	24	21.76	21.76	21.75		
5	16QAM	12	0	20.40	20.48	20.43	22	2
5	16QAM	12	7	20.51	20.52	20.54		
5	16QAM	12	13	20.52	20.53	20.51		
5	16QAM	25	0	20.49	20.49	20.44		
5	64QAM	1	0	20.67	20.71	20.70	22	2
5	64QAM	1	12	20.64	20.72	20.65		
5	64QAM	1	24	20.69	20.72	20.70		
5	64QAM	12	0	19.50	19.52	19.46	21	3
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		

Band 12 (700MHz Low Band)
Part 27F(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				23060	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	23	1
10	QPSK	25	12	22.10	21.98	21.96		
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	22.36	23	1
10	16QAM	1	25	22.41	22.37	22.26		
10	16QAM	1	49	22.44	22.38	22.40		
10	16QAM	25	0	21.03	21.04	20.98	22	2
10	16QAM	25	12	21.08	21.02	21.01		
10	16QAM	25	25	21.08	21.09	21.08		
10	16QAM	50	0	21.10	21.08	20.98		
10	64QAM	1	0	21.31	21.25	21.28	22	2
10	64QAM	1	25	21.29	21.22	21.23		
10	64QAM	1	49	21.23	21.27	21.27		
10	64QAM	25	0	20.05	20.08	20.01	21	3
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		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	22.93	22.88	22.87	24	0
5	QPSK	1	12	22.99	22.95	22.97		
5	QPSK	1	24	23.02	22.93	22.89		
5	QPSK	12	0	22.02	21.99	21.99	23	1
5	QPSK	12	7	22.13	22.04	22.05		
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	23	1
5	16QAM	1	12	22.38	22.34	22.32		
5	16QAM	1	24	22.37	22.35	22.30		
5	16QAM	12	0	21.09	21.02	21.02	22	2
5	16QAM	12	7	21.14	21.14	21.10		
5	16QAM	12	13	21.11	21.04	21.04		
5	16QAM	25	0	21.08	21.06	20.97		
5	64QAM	1	0	21.18	21.18	21.17	22	2
5	64QAM	1	12	21.23	21.21	21.17		
5	64QAM	1	24	21.31	21.32	21.20		
5	64QAM	12	0	20.08	20.08	20.02	21	3
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		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	23.03	22.95	22.90	24	0
3	QPSK	1	8	23.01	22.96	22.97		
3	QPSK	1	14	22.92	22.93	22.88		
3	QPSK	8	0	22.12	22.02	21.94	23	1
3	QPSK	8	4	22.10	22.06	22.02		
3	QPSK	8	7	22.04	21.98	21.95		
3	QPSK	15	0	22.06	22.05	21.92		
3	16QAM	1	0	22.37	22.23	22.27	23	1
3	16QAM	1	8	22.45	22.38	22.35		
3	16QAM	1	14	22.35	22.34	22.26		
3	16QAM	8	0	21.14	21.06	21.02	22	2
3	16QAM	8	4	21.13	21.12	21.07		
3	16QAM	8	7	21.08	21.07	21.00		
3	16QAM	15	0	21.15	21.09	21.01		
3	64QAM	1	0	21.27	21.07	21.10	22	2
3	64QAM	1	8	21.25	21.21	21.20		
3	64QAM	1	14	21.23	21.17	21.18		
3	64QAM	8	0	20.16	20.07	20.01	21	3
3	64QAM	8	4	20.14	20.12	20.08		
3	64QAM	8	7	20.15	20.04	20.00		
3	64QAM	15	0	20.13	20.10	20.00		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
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		
1.4	QPSK	3	3	22.92	22.89	22.81		
1.4	QPSK	6	0	21.97	21.93	21.88	23	1
1.4	16QAM	1	0	22.25	22.14	22.16	23	1
1.4	16QAM	1	3	22.24	22.22	22.18		
1.4	16QAM	1	5	22.15	22.15	22.06		
1.4	16QAM	3	0	22.08	21.98	21.96		
1.4	16QAM	3	1	22.15	22.05	21.96		
1.4	16QAM	3	3	22.01	22.01	21.89		
1.4	16QAM	6	0	21.09	21.06	21.00	22	2
1.4	64QAM	1	0	21.05	20.97	21.01	22	2
1.4	64QAM	1	3	21.07	21.01	21.01		
1.4	64QAM	1	5	20.97	20.94	20.95		
1.4	64QAM	3	0	21.00	20.91	20.94		
1.4	64QAM	3	1	21.04	20.98	20.96		
1.4	64QAM	3	3	20.98	20.93	20.91		
1.4	64QAM	6	0	20.03	19.99	19.94	21	3

Band 13(700MHz Band)
Part 27F

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					23230			
Frequency (MHz)					782			
10	QPSK	1	0		22.58		24	0
10	QPSK	1	25		22.49			
10	QPSK	1	49		22.51			
10	QPSK	25	0		22.10		23	1
10	QPSK	25	12		22.03			
10	QPSK	25	25		22.08			
10	QPSK	50	0		22.00			
10	16QAM	1	0		21.84		23	1
10	16QAM	1	25		22.23			
10	16QAM	1	49		22.20			
10	16QAM	25	0		21.08		22	2
10	16QAM	25	12		21.04			
10	16QAM	25	25		21.07			
10	16QAM	50	0		21.01			
10	64QAM	1	0		20.77		22	2
10	64QAM	1	25		21.14			
10	64QAM	1	49		21.12			
10	64QAM	25	0		20.02		21	3
10	64QAM	25	12		20.03			
10	64QAM	25	25		20.09			
10	64QAM	50	0		20.09			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	22.39	22.37	22.41	24	0
5	QPSK	1	12	22.43	22.44	22.43		
5	QPSK	1	24	22.44	22.45	22.43		
5	QPSK	12	0	22.01	21.97	22.01	23	1
5	QPSK	12	7	22.00	22.04	21.97		
5	QPSK	12	13	22.01	22.03	22.02		
5	QPSK	25	0	22.10	21.98	21.96		
5	16QAM	1	0	21.99	22.20	22.21	23	1
5	16QAM	1	12	22.25	22.27	22.24		
5	16QAM	1	24	22.30	22.26	22.25		
5	16QAM	12	0	21.07	20.99	20.96	22	2
5	16QAM	12	7	21.06	21.04	21.01		
5	16QAM	12	13	21.04	21.03	21.06		
5	16QAM	25	0	21.02	20.98	20.97		
5	64QAM	1	0	21.16	21.17	21.17	22	2
5	64QAM	1	12	21.24	21.24	21.19		
5	64QAM	1	24	21.32	21.24	21.20		
5	64QAM	12	0	20.05	20.02	20.03	21	3
5	64QAM	12	7	20.07	20.12	20.06		
5	64QAM	12	13	20.09	20.07	20.11		
5	64QAM	25	0	20.07	20.02	20.00		

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)					793			
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		23	1
10	QPSK	25	12		22.03			
10	QPSK	25	25		22.05			
10	QPSK	50	0		22.01			
10	16QAM	1	0		22.26		23	1
10	16QAM	1	25		22.10			
10	16QAM	1	49		22.02			
10	16QAM	25	0		21.04		22	2
10	16QAM	25	12		21.04			
10	16QAM	25	25		21.05			
10	16QAM	50	0		21.03			
10	64QAM	1	0		21.19		22	2
10	64QAM	1	25		21.12			
10	64QAM	1	49		20.98			
10	64QAM	25	0		20.02		21	3
10	64QAM	25	12		20.07			
10	64QAM	25	25		20.10			
10	64QAM	50	0		20.08			
Channel				23305	23330	23355	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
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	23	1
5	QPSK	12	7	22.10	22.04	22.03		
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	23	1
5	16QAM	1	12	22.28	22.27	22.21		
5	16QAM	1	24	22.27	22.26	21.99		
5	16QAM	12	0	21.14	21.07	21.06	22	2
5	16QAM	12	7	21.11	21.04	21.06		
5	16QAM	12	13	21.04	20.99	20.93		
5	16QAM	25	0	21.06	21.01	21.01		
5	64QAM	1	0	21.35	21.24	21.29	22	2
5	64QAM	1	12	21.28	21.21	21.18		
5	64QAM	1	24	21.22	21.28	21.14		
5	64QAM	12	0	20.20	20.12	20.14	21	3
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		

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	22.85	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	23	1
10	QPSK	25	12	22.02	22.03	22.04		
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	23	1
10	16QAM	1	25	22.15	22.06	22.14		
10	16QAM	1	49	22.19	22.12	22.16		
10	16QAM	25	0	21.00	20.94	20.95	22	2
10	16QAM	25	12	21.05	21.02	21.05		
10	16QAM	25	25	20.95	20.97	21.04		
10	16QAM	50	0	21.01	21.01	21.05		
10	64QAM	1	0	21.22	21.20	21.20	22	2
10	64QAM	1	25	21.10	21.09	21.07		
10	64QAM	1	49	21.11	21.12	21.17		
10	64QAM	25	0	20.00	19.94	19.96	21	3
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		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	22.96	22.95	22.89	24	0
5	QPSK	1	12	22.94	22.89	22.88		
5	QPSK	1	24	22.90	22.87	22.89		
5	QPSK	12	0	22.13	22.05	22.02	23	1
5	QPSK	12	7	22.07	22.02	21.95		
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	23	1
5	16QAM	1	12	22.18	22.14	22.14		
5	16QAM	1	24	22.19	22.16	22.11		
5	16QAM	12	0	21.16	21.04	21.03	22	2
5	16QAM	12	7	21.06	21.04	20.98		
5	16QAM	12	13	20.99	20.99	20.95		
5	16QAM	25	0	21.05	21.00	20.96		
5	64QAM	1	0	21.24	21.10	21.20	22	2
5	64QAM	1	12	21.08	21.08	21.10		
5	64QAM	1	24	21.18	21.11	21.12		
5	64QAM	12	0	20.19	20.06	20.03	21	3
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		

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	22.27	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	23	1
20	QPSK	50	24	21.28	21.22	21.23		
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	23	1
20	16QAM	1	49	21.31	21.26	21.30		
20	16QAM	1	99	21.17	21.20	21.23		
20	16QAM	50	0	20.35	20.24	20.22	22	2
20	16QAM	50	24	20.28	20.25	20.27		
20	16QAM	50	50	20.24	20.19	20.22		
20	16QAM	100	0	20.29	20.18	20.17		
20	64QAM	1	0	20.46	20.30	20.30	22	2
20	64QAM	1	49	20.29	20.28	20.29		
20	64QAM	1	99	20.11	20.21	20.23		
20	64QAM	50	0	19.38	19.30	19.24	21	3
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		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
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	23	1
15	QPSK	36	20	21.27	21.20	21.37		
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	23	1
15	16QAM	1	37	21.22	21.13	21.17		
15	16QAM	1	74	21.21	21.18	21.17		
15	16QAM	36	0	20.29	20.21	20.15	22	2
15	16QAM	36	20	20.26	20.23	20.26		
15	16QAM	36	39	20.21	20.19	20.24		
15	16QAM	75	0	20.28	20.21	20.19		
15	64QAM	1	0	20.44	20.28	20.29	22	2
15	64QAM	1	37	20.24	20.24	20.30		
15	64QAM	1	74	20.20	20.17	20.21		
15	64QAM	36	0	19.33	19.24	19.19	21	3
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		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
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	23	1
10	QPSK	25	12	21.51	21.41	21.35		
10	QPSK	25	25	21.39	21.36	21.40		
10	QPSK	50	0	21.41	21.38	21.30		
10	16QAM	1	0	21.65	21.59	21.58	23	1
10	16QAM	1	25	21.54	21.45	21.53		
10	16QAM	1	49	21.52	21.45	21.56		
10	16QAM	25	0	20.51	20.44	20.42	22	2
10	16QAM	25	12	20.53	20.44	20.45		
10	16QAM	25	25	20.42	20.37	20.40		
10	16QAM	50	0	20.45	20.38	20.45		
10	64QAM	1	0	20.68	20.55	20.62	22	2
10	64QAM	1	25	20.54	20.51	20.51		
10	64QAM	1	49	20.56	20.48	20.59		
10	64QAM	25	0	19.49	19.41	19.33	21	3
10	64QAM	25	12	19.49	19.41	19.41		
10	64QAM	25	25	19.43	19.33	19.44		
10	64QAM	50	0	19.48	19.38	19.45		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
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	24	22.35	22.30	22.31		
5	QPSK	12	0	21.44	21.37	21.40	23	1
5	QPSK	12	7	21.46	21.38	21.35		
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	23	1
5	16QAM	1	12	21.65	21.58	21.63		
5	16QAM	1	24	21.74	21.63	21.68		
5	16QAM	12	0	20.52	20.39	20.40	22	2
5	16QAM	12	7	20.44	20.32	20.40		
5	16QAM	12	13	20.41	20.35	20.39		
5	16QAM	25	0	20.41	20.37	20.39		
5	64QAM	1	0	20.82	20.66	20.65	22	2
5	64QAM	1	12	20.65	20.54	20.57		
5	64QAM	1	24	20.73	20.59	20.66		
5	64QAM	12	0	19.50	19.41	19.39	21	3
5	64QAM	12	7	19.46	19.34	19.40		
5	64QAM	12	13	19.46	19.39	19.41		
5	64QAM	25	0	19.48	19.40	19.45		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
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	23	1
3	QPSK	8	4	21.51	21.38	21.39		
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	23	1
3	16QAM	1	8	21.75	21.64	21.74		
3	16QAM	1	14	21.70	21.61	21.68		
3	16QAM	8	0	20.48	20.36	20.44	22	2
3	16QAM	8	4	20.54	20.41	20.44		
3	16QAM	8	7	20.51	20.40	20.37		
3	16QAM	15	0	20.46	20.31	20.35		
3	64QAM	1	0	20.78	20.67	20.74	22	2
3	64QAM	1	8	20.83	20.70	20.80		
3	64QAM	1	14	20.77	20.65	20.79		
3	64QAM	8	0	19.45	19.38	19.42	21	3
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		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
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	1	22.34	22.22	22.28		
1.4	QPSK	3	3	22.30	22.17	22.28		
1.4	QPSK	6	0	21.39	21.25	21.32	23	1
1.4	16QAM	1	0	21.71	21.55	21.61	23	1
1.4	16QAM	1	3	21.74	21.69	21.70		
1.4	16QAM	1	5	21.69	21.60	21.63		
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	20.44	20.36	20.36	22	2
1.4	64QAM	1	0	20.77	20.57	20.67	22	2
1.4	64QAM	1	3	20.75	20.66	20.69		
1.4	64QAM	1	5	20.67	20.55	20.60		
1.4	64QAM	3	0	20.54	20.45	20.45		
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	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	24	0
15	QPSK	1	37	22.68	22.54	22.48		
15	QPSK	1	74	22.59	22.52	22.44		
15	QPSK	36	0	21.82	21.87	21.73	23	1
15	QPSK	36	20	21.86	21.78	21.65		
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	23	1
15	16QAM	1	37	22.00	21.89	21.91		
15	16QAM	1	74	21.93	21.88	21.85		
15	16QAM	36	0	20.78	20.70	20.67	22	2
15	16QAM	36	20	20.86	20.75	20.69		
15	16QAM	36	39	20.86	20.73	20.72		
15	16QAM	75	0	20.95	20.80	20.69		
15	64QAM	1	0	20.93	20.88	20.80	22	2
15	64QAM	1	37	20.85	20.69	20.64		
15	64QAM	1	74	20.65	20.66	20.64		
15	64QAM	36	0	19.83	19.78	19.72	21	3
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		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
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	23	1
10	QPSK	25	12	22.01	21.91	21.74		
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	23	1
10	16QAM	1	25	22.19	22.09	21.92		
10	16QAM	1	49	22.14	22.04	21.97		
10	16QAM	25	0	21.05	20.87	20.80	22	2
10	16QAM	25	12	21.01	20.91	20.81		
10	16QAM	25	25	20.99	20.87	20.82		
10	16QAM	50	0	21.01	20.94	20.80		
10	64QAM	1	0	21.19	21.10	21.00	22	2
10	64QAM	1	25	21.09	21.08	20.94		
10	64QAM	1	49	21.11	20.96	20.85		
10	64QAM	25	0	20.08	19.87	19.81	21	3
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		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
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	23	1
5	QPSK	12	7	22.02	21.86	21.74		
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	23	1
5	16QAM	1	12	22.22	22.12	22.03		
5	16QAM	1	24	22.24	22.12	21.93		
5	16QAM	12	0	21.04	20.87	20.78	22	2
5	16QAM	12	7	21.03	20.92	20.79		
5	16QAM	12	13	21.01	20.89	20.76		
5	16QAM	25	0	20.97	20.87	20.79		
5	64QAM	1	0	21.27	21.02	20.98	22	2
5	64QAM	1	12	21.15	21.04	20.88		
5	64QAM	1	24	21.06	21.04	20.87		
5	64QAM	12	0	20.03	19.83	19.78	21	3
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		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
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	23	1
3	QPSK	8	4	22.09	21.89	21.80		
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	23	1
3	16QAM	1	8	22.19	22.06	21.98		
3	16QAM	1	14	22.16	21.98	21.82		
3	16QAM	8	0	21.11	20.99	20.87	22	2
3	16QAM	8	4	21.18	21.03	20.96		
3	16QAM	8	7	21.10	21.03	20.83		
3	16QAM	15	0	21.16	20.93	20.86		
3	64QAM	1	0	21.49	21.18	21.16	22	2
3	64QAM	1	8	21.33	21.07	21.00		
3	64QAM	1	14	21.21	21.08	21.03		
3	64QAM	8	0	20.22	20.07	20.05	21	3
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	19.99	19.84		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
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		
1.4	QPSK	3	3	22.25	22.13	22.24		
1.4	QPSK	6	0	21.35	21.20	21.27	23	1
1.4	16QAM	1	0	21.67	21.51	21.57	23	1
1.4	16QAM	1	3	21.69	21.64	21.65		
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		
1.4	16QAM	6	0	20.39	20.30	20.31	22	2
1.4	64QAM	1	0	20.72	20.52	20.63	22	2
1.4	64QAM	1	3	20.71	20.62	20.64		
1.4	64QAM	1	5	20.62	20.50	20.54		
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		21.70		23	0
10	QPSK	1	25		21.65			
10	QPSK	1	49		21.59			
10	QPSK	25	0		21.43		22	1
10	QPSK	25	12		21.42			
10	QPSK	25	25		21.36			
10	QPSK	50	0		21.39			
10	16QAM	1	0		21.69		22	1
10	16QAM	1	25		21.52			
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		20	3
10	64QAM	25	12		19.43			
10	64QAM	25	25		19.41			
10	64QAM	50	0		19.43			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	21.57	21.56	21.58	23	0
5	QPSK	1	12	21.63	21.66	21.63		
5	QPSK	1	24	21.62	21.60	21.59		
5	QPSK	12	0	21.39	21.32	21.31	22	1
5	QPSK	12	7	21.47	21.44	21.40		
5	QPSK	12	13	21.40	21.37	21.31		
5	QPSK	25	0	21.41	21.39	21.33		
5	16QAM	1	0	21.68	21.63	21.64	22	1
5	16QAM	1	12	21.56	21.55	21.45		
5	16QAM	1	24	21.55	21.65	21.63		
5	16QAM	12	0	20.45	20.36	20.33	21	2
5	16QAM	12	7	20.47	20.45	20.42		
5	16QAM	12	13	20.39	20.37	20.37		
5	16QAM	25	0	20.42	20.41	20.40		
5	64QAM	1	0	20.65	20.64	20.63	21	2
5	64QAM	1	12	20.67	20.63	20.61		
5	64QAM	1	24	20.66	20.59	20.56		
5	64QAM	12	0	19.44	19.37	19.35	20	3
5	64QAM	12	7	19.46	19.44	19.46		
5	64QAM	12	13	19.41	19.37	19.37		
5	64QAM	25	0	19.45	19.43	19.41		

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		
Frequency (MHz)				1720	1745	1770		
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	23	1
20	QPSK	50	24	21.75	21.75	21.82		
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	23	1
20	16QAM	1	49	22.12	21.98	22.21		
20	16QAM	1	99	22.05	21.85	22.11		
20	16QAM	50	0	20.71	20.65	20.81	22	2
20	16QAM	50	24	20.78	20.72	20.80		
20	16QAM	50	50	20.79	20.64	20.81		
20	16QAM	100	0	20.75	20.74	20.80		
20	64QAM	1	0	21.01	20.86	20.82	22	2
20	64QAM	1	49	20.98	20.77	21.02		
20	64QAM	1	99	20.95	20.73	20.95		
20	64QAM	50	0	19.81	19.70	19.89	21	3
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		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
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	23	1
15	QPSK	36	20	21.73	21.80	21.90		
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	23	1
15	16QAM	1	37	21.91	22.09	22.16		
15	16QAM	1	74	21.80	22.06	22.12		
15	16QAM	36	0	20.70	20.81	20.82	22	2
15	16QAM	36	20	20.75	20.82	20.91		
15	16QAM	36	39	20.65	20.85	20.85		
15	16QAM	75	0	20.71	20.77	20.82		
15	64QAM	1	0	20.90	21.12	21.09	22	2
15	64QAM	1	37	20.74	20.93	21.05		
15	64QAM	1	74	20.67	20.90	21.00		
15	64QAM	36	0	19.66	19.85	19.84	21	3
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		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
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	23	1
10	QPSK	25	12	21.84	21.93	22.00		
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	23	1
10	16QAM	1	25	21.93	22.13	22.10		
10	16QAM	1	49	21.94	22.13	22.20		
10	16QAM	25	0	20.86	20.99	21.02	22	2
10	16QAM	25	12	20.90	20.98	21.00		
10	16QAM	25	25	20.80	20.99	21.06		
10	16QAM	50	0	20.86	20.94	21.01		
10	64QAM	1	0	20.94	21.19	21.22	22	2
10	64QAM	1	25	20.92	21.09	21.15		
10	64QAM	1	49	20.94	21.05	21.10		
10	64QAM	25	0	19.92	19.97	20.02	21	3
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		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
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	23	1
5	QPSK	12	7	21.81	21.97	22.01		
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	23	1
5	16QAM	1	12	21.97	22.12	22.07		
5	16QAM	1	24	22.00	22.12	22.15		
5	16QAM	12	0	20.88	20.99	21.03	22	2
5	16QAM	12	7	20.87	21.00	21.07		
5	16QAM	12	13	20.81	21.01	21.01		
5	16QAM	25	0	20.81	20.94	21.01		
5	64QAM	1	0	21.08	21.14	21.18	22	2
5	64QAM	1	12	21.09	21.24	21.16		
5	64QAM	1	24	21.02	21.12	21.07		
5	64QAM	12	0	19.88	19.97	20.08	21	3
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		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
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	23	1
3	QPSK	8	4	21.97	21.99	22.03		
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	23	1
3	16QAM	1	8	22.24	22.30	22.29		
3	16QAM	1	14	22.17	22.22	22.20		
3	16QAM	8	0	20.97	20.96	21.04	22	2
3	16QAM	8	4	21.04	21.02	21.11		
3	16QAM	8	7	20.99	20.99	21.01		
3	16QAM	15	0	20.97	20.95	21.02		
3	64QAM	1	0	21.06	21.09	21.19	22	2
3	64QAM	1	8	21.24	21.24	21.26		
3	64QAM	1	14	21.15	21.11	21.15		
3	64QAM	8	0	19.96	20.00	20.02	21	3
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		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
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		
1.4	QPSK	3	3	22.36	22.37	22.40		
1.4	QPSK	6	0	21.92	21.93	21.92	23	1
1.4	16QAM	1	0	22.17	22.21	22.22	23	1
1.4	16QAM	1	3	22.27	22.32	22.28		
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		
1.4	16QAM	6	0	21.03	21.04	21.09	22	2
1.4	64QAM	1	0	21.05	21.03	21.08	22	2
1.4	64QAM	1	3	21.14	21.13	21.13		
1.4	64QAM	1	5	21.08	21.04	21.04		
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 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		
Frequency (MHz)				673	683	688		
20	QPSK	1	0	22.78	22.89	22.80	24	0
20	QPSK	1	49	22.73	22.74	22.87		
20	QPSK	1	99	22.74	22.67	22.78		
20	QPSK	50	0	21.74	21.83	21.71	23	1
20	QPSK	50	24	21.82	21.71	21.69		
20	QPSK	50	50	21.73	21.69	21.67		
20	QPSK	100	0	21.77	21.78	21.71		
20	16QAM	1	0	21.98	22.01	21.99	23	1
20	16QAM	1	49	22.03	22.03	21.98		
20	16QAM	1	99	22.23	22.12	22.10		
20	16QAM	50	0	20.99	20.93	20.91	22	2
20	16QAM	50	24	20.98	20.85	20.83		
20	16QAM	50	50	21.00	20.92	20.87		
20	16QAM	100	0	20.89	20.89	20.84		
20	64QAM	1	0	20.88	20.88	20.83	22	2
20	64QAM	1	49	20.91	21.03	20.98		
20	64QAM	1	99	20.87	20.93	20.88		
20	64QAM	50	0	19.87	19.99	19.97	21	3
20	64QAM	50	24	19.83	19.93	19.91		
20	64QAM	50	50	19.98	20.03	20.01		
20	64QAM	100	0	19.99	19.98	19.96		
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	22.74	22.76	22.74	24	0
15	QPSK	1	37	22.68	22.68	22.84		
15	QPSK	1	74	22.70	22.62	22.72		
15	QPSK	36	0	21.69	21.62	21.66	23	1
15	QPSK	36	20	21.78	21.66	21.63		
15	QPSK	36	39	21.68	21.65	21.63		
15	QPSK	75	0	21.73	21.68	21.66		
15	16QAM	1	0	21.94	21.97	21.95	23	1
15	16QAM	1	37	21.98	21.98	21.93		
15	16QAM	1	74	22.19	22.07	22.06		
15	16QAM	36	0	20.94	20.89	20.86	22	2
15	16QAM	36	20	20.93	20.80	20.77		
15	16QAM	36	39	20.96	20.87	20.83		
15	16QAM	75	0	20.84	20.83	20.79		
15	64QAM	1	0	20.83	20.83	20.79	22	2
15	64QAM	1	37	20.87	20.99	20.93		
15	64QAM	1	74	20.82	20.88	20.82		
15	64QAM	36	0	19.82	19.95	19.92	21	3
15	64QAM	36	20	19.79	19.88	19.85		
15	64QAM	36	39	19.93	19.97	19.98		
15	64QAM	75	0	19.95	19.93	19.90		
Channel				133172	133272	133422	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	678	693		
10	QPSK	1	0	22.70	22.71	22.68	24	0
10	QPSK	1	25	22.63	22.62	22.81		
10	QPSK	1	49	22.66	22.57	22.66		
10	QPSK	25	0	21.64	21.58	21.61	23	1
10	QPSK	25	12	21.74	21.61	21.57		
10	QPSK	25	25	21.63	21.61	21.59		
10	QPSK	50	0	21.69	21.63	21.61		
10	16QAM	1	0	21.90	21.93	21.91	23	1
10	16QAM	1	25	21.93	21.93	21.88		
10	16QAM	1	49	22.15	22.02	22.02		
10	16QAM	25	0	20.89	20.85	20.81	22	2
10	16QAM	25	12	20.88	20.75	20.71		
10	16QAM	25	25	20.92	20.82	20.79		
10	16QAM	50	0	20.79	20.77	20.74		
10	64QAM	1	0	20.78	20.78	20.75	22	2
10	64QAM	1	25	20.83	20.95	20.88		
10	64QAM	1	49	20.77	20.83	20.76		
10	64QAM	25	0	19.77	19.91	19.87	21	3
10	64QAM	25	12	19.75	19.83	19.79		
10	64QAM	25	25	19.88	19.91	19.95		
10	64QAM	50	0	19.91	19.88	19.84		
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	675.5	695.5		
5	QPSK	1	0	22.76	22.76	22.72	24	0
5	QPSK	1	12	22.68	22.66	22.88		
5	QPSK	1	24	22.72	22.62	22.70		
5	QPSK	12	0	21.69	21.64	21.66	23	1
5	QPSK	12	7	21.80	21.66	21.61		
5	QPSK	12	13	21.68	21.67	21.65		
5	QPSK	25	0	21.75	21.68	21.66		
5	16QAM	1	0	21.96	21.99	21.97	23	1
5	16QAM	1	12	21.98	21.98	21.93		
5	16QAM	1	24	22.21	22.07	22.08		
5	16QAM	12	0	20.94	20.91	20.86	22	2
5	16QAM	12	7	20.93	20.80	20.75		
5	16QAM	12	13	20.98	20.87	20.85		
5	16QAM	25	0	20.84	20.81	20.79		
5	64QAM	1	0	20.83	20.83	20.81	22	2
5	64QAM	1	12	20.89	21.01	20.93		
5	64QAM	1	24	20.82	20.88	20.80		
5	64QAM	12	0	19.82	19.97	19.92	21	3
5	64QAM	12	7	19.81	19.88	19.83		
5	64QAM	12	13	19.93	19.95	20.02		
5	64QAM	25	0	19.97	19.93	19.88		

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				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
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	22.66	22.44	22.45		
20	QPSK	50	0	21.71	21.75	21.60	23	1
20	QPSK	50	24	21.57	21.62	21.64		
20	QPSK	50	50	21.70	21.67	21.74		
20	QPSK	100	0	21.54	21.60	21.57		
20	16QAM	1	0	21.75	21.73	21.75	23	1
20	16QAM	1	49	21.74	21.71	21.74		
20	16QAM	1	99	21.76	21.76	21.79		
20	16QAM	50	0	20.55	20.53	20.59	22	2
20	16QAM	50	24	20.61	20.60	20.62		
20	16QAM	50	50	20.68	20.71	20.75		
20	16QAM	100	0	20.61	20.60	20.65		
20	64QAM	1	0	20.41	20.41	20.49	22	2
20	64QAM	1	49	20.44	20.42	20.48		
20	64QAM	1	99	20.45	20.52	20.59		
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				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
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	21.56	23	1
15	QPSK	36	20	21.53	21.55	21.64		
15	QPSK	36	39	21.50	21.59	21.68		
15	QPSK	75	0	21.50	21.51	21.60		
15	16QAM	1	0	21.52	21.68	21.73	23	1
15	16QAM	1	37	21.54	21.65	21.69		
15	16QAM	1	74	21.64	21.74	21.85		
15	16QAM	36	0	20.40	20.47	20.53	22	2
15	16QAM	36	20	20.51	20.52	20.64		
15	16QAM	36	39	20.50	20.54	20.64		
15	16QAM	75	0	20.56	20.53	20.62		
15	64QAM	1	0	20.31	20.41	20.47	22	2
15	64QAM	1	37	20.30	20.44	20.51		
15	64QAM	1	74	20.37	20.47	20.58		
15	64QAM	36	0	19.46	19.53	19.60	21	3
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		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2614		
10	QPSK	1	0	22.61	22.61	22.55	24	0
10	QPSK	1	25	22.54	22.61	22.45		
10	QPSK	1	49	22.54	22.52	22.34		
10	QPSK	25	0	21.60	21.62	21.73	23	1
10	QPSK	25	12	21.68	21.72	21.75		
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	23	1
10	16QAM	1	25	21.70	21.80	21.92		
10	16QAM	1	49	21.68	21.81	21.86		
10	16QAM	25	0	20.69	20.62	20.76	22	2
10	16QAM	25	12	20.66	20.73	20.79		
10	16QAM	25	25	20.64	20.79	20.89		
10	16QAM	50	0	20.65	20.66	20.78		
10	64QAM	1	0	20.44	20.60	20.73	22	2
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	21	3
10	64QAM	25	12	19.68	19.70	19.82		
10	64QAM	25	25	19.67	19.76	19.90		
10	64QAM	50	0	19.64	19.65	19.73		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
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	23	1
5	QPSK	12	7	21.63	21.68	21.85		
5	QPSK	12	13	21.64	21.68	21.84		
5	QPSK	25	0	21.59	21.63	21.81		
5	16QAM	1	0	21.68	21.72	21.82	23	1
5	16QAM	1	12	21.70	21.78	21.87		
5	16QAM	1	24	21.69	21.86	21.88		
5	16QAM	12	0	20.59	20.63	20.77	22	2
5	16QAM	12	7	20.58	20.65	20.81		
5	16QAM	12	13	20.58	20.70	20.82		
5	16QAM	25	0	20.62	20.70	20.88		
5	64QAM	1	0	20.46	20.52	20.67	22	2
5	64QAM	1	12	20.35	20.48	20.54		
5	64QAM	1	24	20.45	20.59	20.67		
5	64QAM	12	0	19.60	19.68	19.82	21	3
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		

Band 41 (2.6G Band)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.43	22.54	22.66	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	23	1
20	QPSK	50	24	21.40	21.40	21.55	21.64	21.57		
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	23	1
20	16QAM	1	49	21.35	21.32	21.49	21.60	21.60		
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	22	2
20	16QAM	50	24	20.42	20.38	20.58	20.67	20.57		
20	16QAM	50	50	20.39	20.41	20.59	20.69	20.70		
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	22	2
20	64QAM	1	49	20.56	20.37	20.58	20.60	20.59		
20	64QAM	1	99	20.40	20.43	20.65	20.73	20.73		
20	64QAM	50	0	19.60	19.62	19.69	19.86	19.76	21	3
20	64QAM	50	24	19.65	19.67	19.80	19.90	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		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.25	22.23	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	23	1
15	QPSK	36	20	21.39	21.36	21.51	21.63	21.61		
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	23	1
15	16QAM	1	37	21.32	21.32	21.43	21.58	21.55		
15	16QAM	1	74	21.40	21.47	21.62	21.78	21.74		
15	16QAM	36	0	20.32	20.32	20.42	20.58	20.50	22	2
15	16QAM	36	20	20.39	20.36	20.47	20.61	20.61		
15	16QAM	36	39	20.36	20.33	20.50	20.58	20.60		
15	16QAM	75	0	20.41	20.38	20.52	20.64	20.56		
15	64QAM	1	0	20.38	20.56	20.74	20.63	20.62	22	2
15	64QAM	1	37	20.36	20.35	20.56	20.67	20.61		
15	64QAM	1	74	20.45	20.47	20.63	20.77	20.76		
15	64QAM	36	0	19.66	19.67	19.70	19.89	19.83	21	3
15	64QAM	36	20	19.71	19.64	19.83	19.89	19.92		
15	64QAM	36	39	19.68	19.66	19.80	19.92	19.93		
15	64QAM	75	0	19.71	19.67	19.83	19.95	19.87		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.43	22.37	22.50	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	21.49	21.58	21.76	21.80	23	1
10	QPSK	25	12	21.62	21.53	21.72	21.87	21.82		
10	QPSK	25	25	21.55	21.51	21.74	21.78	21.85		
10	QPSK	50	0	21.57	21.54	21.70	21.80	21.85		
10	16QAM	1	0	21.56	21.46	21.67	21.72	21.81	23	1
10	16QAM	1	25	21.52	21.59	21.68	21.88	21.78		
10	16QAM	1	49	21.50	21.54	21.65	21.79	21.82		
10	16QAM	25	0	20.60	20.52	20.65	20.79	20.83	22	2
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		
10	16QAM	50	0	20.60	20.54	20.72	20.85	20.84		
10	64QAM	1	0	20.74	20.77	20.77	21.02	20.96	22	2
10	64QAM	1	25	20.52	20.67	20.77	20.80	20.79		
10	64QAM	1	49	20.73	20.56	20.83	20.99	21.02		
10	64QAM	25	0	19.85	19.70	19.86	20.07	20.09	21	3
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	20.03	20.03		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
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	22.34		
5	QPSK	1	24	22.40	22.37	22.57	22.43	22.43		
5	QPSK	12	0	21.54	21.49	21.63	21.80	21.84	23	1
5	QPSK	12	7	21.57	21.55	21.71	21.81	21.79		
5	QPSK	12	13	21.60	21.52	21.67	21.80	21.81		
5	QPSK	25	0	21.54	21.47	21.65	21.76	21.80		
5	16QAM	1	0	21.57	21.47	21.79	21.77	21.77	23	1
5	16QAM	1	12	21.59	21.57	21.75	21.88	21.82		
5	16QAM	1	24	21.59	21.50	21.90	21.83	21.83		
5	16QAM	12	0	20.54	20.48	20.60	20.77	20.77	22	2
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		
5	16QAM	25	0	20.58	20.51	20.72	20.82	20.83		
5	64QAM	1	0	20.62	20.52	20.66	20.86	20.86	22	2
5	64QAM	1	12	20.57	20.56	20.70	20.76	20.79		
5	64QAM	1	24	20.60	20.59	20.77	20.88	20.85		
5	64QAM	12	0	19.84	19.78	19.86	20.06	20.05	21	3
5	64QAM	12	7	19.88	19.78	19.97	20.10	20.11		
5	64QAM	12	13	19.81	19.73	19.95	20.06	20.07		
5	64QAM	25	0	19.77	19.74	19.93	20.07	20.08		

Band 41 (2.6G Band) HPUE

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.47	25.21	25.53	25.37	25.30	27	0
20	QPSK	1	49	25.27	25.22	25.43	25.33	25.21		
20	QPSK	1	99	25.24	25.28	25.23	25.35	25.33		
20	QPSK	50	0	24.22	24.27	24.54	24.27	24.39	26	1
20	QPSK	50	24	24.25	24.26	24.35	24.45	24.53		
20	QPSK	50	50	24.20	24.24	24.52	24.46	24.51		
20	QPSK	100	0	24.16	24.26	24.29	24.36	24.42		
20	16QAM	1	0	24.39	24.35	24.42	24.62	24.59	26	1
20	16QAM	1	49	24.26	24.31	24.40	24.56	24.68		
20	16QAM	1	99	24.35	24.29	24.63	24.69	24.75		
20	16QAM	50	0	23.20	23.21	23.27	23.49	23.45	25	2
20	16QAM	50	24	23.30	23.28	23.35	23.51	23.42		
20	16QAM	50	50	23.25	23.23	23.39	23.53	23.49		
20	16QAM	100	0	23.30	23.26	23.39	23.50	23.46		
20	64QAM	1	0	23.48	23.45	23.69	23.71	23.78	25	2
20	64QAM	1	49	23.49	23.45	23.59	23.64	23.75		
20	64QAM	1	99	23.42	23.51	23.76	23.77	23.72		
20	64QAM	50	0	22.45	22.35	22.50	22.61	22.60	24	3
20	64QAM	50	24	22.58	22.47	22.64	22.61	22.62		
20	64QAM	50	50	22.50	22.52	22.65	22.67	22.81		
20	64QAM	100	0	22.52	22.52	22.72	22.62	22.85		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	25.23	25.42	25.13	25.26	25.24	27	0
15	QPSK	1	37	25.31	25.31	25.19	25.18	25.30		
15	QPSK	1	74	25.32	25.33	25.27	25.33	25.36		
15	QPSK	36	0	24.17	24.18	24.24	24.54	24.42	26	1
15	QPSK	36	20	24.10	24.15	24.42	24.46	24.58		
15	QPSK	36	39	24.16	24.26	24.33	24.58	24.51		
15	QPSK	75	0	24.17	24.19	24.40	24.48	24.48		
15	16QAM	1	0	24.28	24.36	24.50	24.49	24.47	26	1
15	16QAM	1	37	24.24	24.26	24.50	24.59	24.50		
15	16QAM	1	74	24.37	24.47	24.51	24.64	24.68		
15	16QAM	36	0	23.14	23.07	23.20	23.43	23.46	25	2
15	16QAM	36	20	23.21	23.25	23.33	23.46	23.51		
15	16QAM	36	39	23.12	23.20	23.38	23.49	23.51		
15	16QAM	75	0	23.24	23.25	23.37	23.51	23.52		
15	64QAM	1	0	23.50	23.53	23.71	23.68	23.77	25	2
15	64QAM	1	37	23.56	23.45	23.68	23.77	23.80		
15	64QAM	1	74	23.48	23.65	23.63	23.94	23.90		
15	64QAM	36	0	22.47	22.52	22.57	22.75	22.68	24	3
15	64QAM	36	20	22.45	22.58	22.60	22.77	22.83		
15	64QAM	36	39	22.51	22.43	22.69	22.82	22.81		
15	64QAM	75	0	22.56	22.50	22.67	22.81	22.74		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	25.02	25.37	25.44	25.39	25.47	27	0
10	QPSK	1	25	25.06	25.13	25.24	25.34	25.38		
10	QPSK	1	49	25.15	25.37	25.36	25.51	25.46		
10	QPSK	25	0	24.34	24.32	24.41	24.43	24.42	26	1
10	QPSK	25	12	24.40	24.41	24.38	24.73	24.78		
10	QPSK	25	25	24.33	24.36	24.52	24.66	24.68		
10	QPSK	50	0	24.31	24.35	24.54	24.67	24.61		
10	16QAM	1	0	24.50	24.53	24.60	24.95	24.95	26	1
10	16QAM	1	25	24.52	24.52	24.59	24.82	24.85		
10	16QAM	1	49	24.50	24.51	24.80	24.85	24.83		
10	16QAM	25	0	23.44	23.18	23.36	23.49	23.55	25	2
10	16QAM	25	12	23.40	23.45	23.54	23.59	23.52		
10	16QAM	25	25	23.41	23.42	23.59	23.50	23.54		
10	16QAM	50	0	23.38	23.41	23.55	23.35	23.65		
10	64QAM	1	0	23.71	23.65	23.89	23.95	23.92	25	2
10	64QAM	1	25	23.74	23.70	23.75	23.90	23.83		
10	64QAM	1	49	23.70	23.59	23.95	24.02	23.80		
10	64QAM	25	0	22.60	22.65	22.67	22.83	22.92	24	3
10	64QAM	25	12	22.74	22.62	22.86	22.91	22.95		
10	64QAM	25	25	22.67	22.66	22.87	22.94	22.88		
10	64QAM	50	0	22.54	22.68	22.78	22.97	23.01		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	25.26	25.22	25.23	25.41	25.45	27	0
5	QPSK	1	12	25.23	25.10	25.29	25.44	25.43		
5	QPSK	1	24	25.22	25.17	25.34	25.45	25.52		
5	QPSK	12	0	24.36	24.29	24.43	24.66	24.62	26	1
5	QPSK	12	7	24.45	24.31	24.51	24.65	24.68		
5	QPSK	12	13	24.36	24.33	24.45	24.62	24.70		
5	QPSK	25	0	24.41	24.36	24.46	24.60	24.63		
5	16QAM	1	0	24.55	24.43	24.67	24.73	24.78	26	1
5	16QAM	1	12	24.48	24.45	24.66	24.78	24.80		
5	16QAM	1	24	24.61	24.54	24.75	24.80	24.81		
5	16QAM	12	0	23.38	23.36	23.49	23.70	23.71	25	2
5	16QAM	12	7	23.33	23.42	23.47	23.69	23.75		
5	16QAM	12	13	23.44	23.43	23.51	23.65	23.66		
5	16QAM	25	0	23.49	23.41	23.53	23.66	23.63		
5	64QAM	1	0	23.67	23.69	23.76	23.94	24.01	25	2
5	64QAM	1	12	23.68	23.60	23.91	23.96	23.93		
5	64QAM	1	24	23.73	23.69	24.08	24.10	24.04		
5	64QAM	12	0	22.62	22.55	22.64	22.84	22.87	24	3
5	64QAM	12	7	22.68	22.60	22.73	22.95	22.93		
5	64QAM	12	13	22.69	22.59	22.76	22.91	22.92		
5	64QAM	25	0	22.63	22.64	22.69	22.92	22.95		

Full Power Mode for ANT2

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
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 slots	28.47	28.77	28.49	29.50	22.47	22.77	22.49	23.50
GPRS 3 Tx slots	27.06	27.43	27.01	28.50	22.80	23.17	22.75	24.24
GPRS 4 Tx slots	25.59	25.61	25.56	26.50	22.59	22.61	22.56	23.50
EDGE 1 Tx slot	24.49	24.66	24.53	25.50	15.49	15.66	15.53	16.50
EDGE 2 Tx slots	22.99	23.12	23.12	24.50	16.99	17.12	17.12	18.50
EDGE 3 Tx slots	21.88	22.13	22.11	23.00	17.62	17.87	17.85	18.74
EDGE 4 Tx slots	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		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.94	22.93	22.88	24.00
3GPP Rel 99	RMC 12.2Kbps	22.95	22.96	22.89	24.00
3GPP Rel 6	HSDPA Subtest-1	21.94	21.90	21.85	23.00
3GPP Rel 6	HSDPA Subtest-2	21.93	21.89	21.87	23.00
3GPP Rel 6	HSDPA Subtest-3	21.43	21.42	21.34	22.50
3GPP Rel 6	HSDPA Subtest-4	21.44	21.44	21.36	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.97	21.93	21.88	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.95	21.91	21.89	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.46	21.45	21.37	22.50
3GPP Rel 8	DC-HSDPA 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

Band	CDMA BC0			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
TX Channel	1013	384	777		476	580	684	
Frequency (MHz)	824.7	836.52	848.31		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 (F+SCH)	24.52	24.55	24.37	25.00	24.56	24.81	24.78	25.00
RC3 SO32 (+SCH)	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	24.56	24.79	24.76	25.00
RETAP 4096Bits	24.57	24.54	24.41	25.00	24.58	24.80	24.83	25.00

SPORTON LAB.

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	22.89	22.78		
20	QPSK	1	49	22.62	22.55	22.59	24	0
20	QPSK	1	99	22.42	22.51	22.76		
20	QPSK	50	0	21.81	21.82	21.75		
20	QPSK	50	24	21.79	21.64	21.69	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	21.98		
20	16QAM	1	49	21.96	21.90	21.91	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	22	2
20	16QAM	50	50	20.69	20.71	20.70		
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	22	2
20	64QAM	1	99	20.76	21.04	20.84		
20	64QAM	50	0	20.07	19.92	19.96		
20	64QAM	50	24	20.05	19.91	19.94	21	3
20	64QAM	50	50	19.93	19.94	19.97		
20	64QAM	100	0	20.04	19.98	19.97		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	22.85	22.64	22.68		
15	QPSK	1	37	22.63	22.55	22.60	24	0
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
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
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	22	2
15	16QAM	36	39	20.74	20.73	20.75		
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	22	2
15	64QAM	1	74	20.99	21.07	20.86		
15	64QAM	36	0	20.13	19.94	19.97		
15	64QAM	36	20	20.04	19.98	19.94	21	3
15	64QAM	36	39	19.95	19.97	19.94		
15	64QAM	75	0	20.08	19.98	19.94		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	22.87	22.81	22.83		
10	QPSK	1	25	22.82	22.79	22.78	24	0
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
10	QPSK	25	25	21.88	21.82	21.78		
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
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	22	2
10	16QAM	25	25	20.92	20.84	20.82		
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	22	2
10	64QAM	1	49	21.17	21.22	21.17		
10	64QAM	25	0	20.29	20.08	20.12		
10	64QAM	25	12	20.27	20.08	20.11	21	3
10	64QAM	25	25	20.14	20.04	20.03		
10	64QAM	50	0	20.18	20.12	20.05		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	22.88	22.77	22.80		
5	QPSK	1	12	22.78	22.81	22.70	24	0
5	QPSK	1	24	22.80	22.77	22.65		
5	QPSK	12	0	22.09	21.89	21.90		
5	QPSK	12	7	22.05	21.86	21.83	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
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	22	2
5	16QAM	12	13	20.94	20.80	20.74		
5	16QAM	25	0	21.03	20.88	20.83		
5	64QAM	1	0	21.56	21.30	21.31		
5	64QAM	1	12	21.47	21.28	21.17	22	2
5	64QAM	1	24	21.38	21.27	21.21		
5	64QAM	12	0	20.35	20.08	20.13		
5	64QAM	12	7	20.26	20.12	20.04	21	3
5	64QAM	12	13	20.15	20.00	19.94		
5	64QAM	25	0	20.29	20.10	20.04		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	22.88	22.81	22.85		
3	QPSK	1	8	22.87	22.85	22.76	24	0
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
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
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	22	2
3	16QAM	8	7	21.01	20.84	20.79		
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	22	2
3	64QAM	1	14	21.30	21.13	21.08		
3	64QAM	8	0	20.39	20.10	20.13		
3	64QAM	8	4	20.34	20.17	20.05	21	3
3	64QAM	8	7	20.24	20.11	19.99		
3	64QAM	15	0	20.28	20.15	20.04		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	22.88	22.69	22.66		
1.4	QPSK	1	3	22.87	22.72	22.62		
1.4	QPSK	1	5	22.82	22.64	22.49	24	0
1.4	QPSK	3	0	22.88	22.70	22.63		
1.4	QPSK	3	1	22.87	22.74	22.63		
1.4	QPSK	3	3	22.84	22.64	22.53		
1.4	QPSK	6	0	21.98	21.78	21.65	23	1
1.4	16QAM	1	0	22.27	22.09	21.97		
1.4	16QAM	1	3	22.31	22.07	21.98		
1.4	16QAM	1	5	22.18	21.99	21.88	23	1
1.4	16QAM	3	0	21.99	21.86	21.71		
1.4	16QAM	3	1	22.03	21.86	21.73		
1.4	16QAM	3	3	21.96	21.76	21.65		
1.4	16QAM	6	0	21.05	20.85	20.74	22	2
1.4	64QAM	1	0	21.46	21.24	21.07		
1.4	64QAM	1	3	21.43	21.22	21.05		
1.4	64QAM	1	5	21.34	21.08	20.96	22	2
1.4	64QAM	3	0	21.31	21.07	21.00		
1.4	64QAM	3	1	21.34	21.11	21.00		
1.4	64QAM	3	3	21.24	21.04	20.93		
1.4	64QAM	6	0	20.21	20.04	19.94	21	3

Band 5 (Celluar Band)
Part 22H(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				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	21.81	21.76	21.69		
10	QPSK	1	25	21.79	21.71	21.65	23	0
10	QPSK	1	49	21.73	21.66	21.57		
10	QPSK	25	0	21.33	21.39	21.21		
10	QPSK	25	12	21.38	21.25	21.23	22	1
10	QPSK	25	25	21.34	21.27	21.22		
10	QPSK	50	0	21.39	21.41	21.18		
10	16QAM	1	0	21.57	21.53	21.48		
10	16QAM	1	25	21.51	21.45	21.41	22	1
10	16QAM	1	49	21.52	21.47	21.39		
10	16QAM	25	0	20.32	20.26	20.22		
10	16QAM	25	12	20.40	20.27	20.24	21	2
10	16QAM	25	25	20.35	20.25	20.25		
10	16QAM	50	0	20.38	20.26	20.22		
10	64QAM	1	0	20.73	20.71	20.59		
10	64QAM	1	25	20.69	20.64	20.53	21	2
10	64QAM	1	49	20.65	20.62	20.55		
10	64QAM	25	0	19.56	19.49	19.41		
10	64QAM	25	12	19.61	19.49	19.41	20	3
10	64QAM	25	25	19.55	19.48	19.44		
10	64QAM	50	0	19.59	19.47	19.47		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	21.81	21.66	21.56		
5	QPSK	1	12	21.78	21.68	21.58	23	0
5	QPSK	1	24	21.76	21.69	21.56		
5	QPSK	12	0	21.33	21.20	21.15		
5	QPSK	12	7	21.33	21.22	21.12	22	1
5	QPSK	12	13	21.31	21.23	21.14		
5	QPSK	25	0	21.32	21.20	21.13		
5	16QAM	1	0	21.63	21.52	21.38		
5	16QAM	1	12	21.53	21.48	21.40	22	1
5	16QAM	1	24	21.60	21.55	21.39		
5	16QAM	12	0	20.36	20.25	20.17		
5	16QAM	12	7	20.36	20.28	20.15	21	2
5	16QAM	12	13	20.33	20.28	20.21		
5	16QAM	25	0	20.34	20.22	20.15		
5	64QAM	1	0	20.79	20.66	20.53		
5	64QAM	1	12	20.64	20.59	20.58	21	2
5	64QAM	1	24	20.70	20.70	20.56		
5	64QAM	12	0	19.57	19.48	19.41		
5	64QAM	12	7	19.55	19.48	19.39	20	3
5	64QAM	12	13	19.55	19.48	19.43		
5	64QAM	25	0	19.55	19.45	19.40		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	21.67	21.67	21.67		
3	QPSK	1	8	21.81	21.75	21.65	23	0
3	QPSK	1	14	21.79	21.73	21.63		
3	QPSK	8	0	21.37	21.18	21.20		
3	QPSK	8	4	21.36	21.31	21.21	22	1
3	QPSK	8	7	21.31	21.22	21.18		
3	QPSK	15	0	21.37	21.22	21.20		
3	16QAM	1	0	21.68	21.54	21.50		
3	16QAM	1	8	21.75	21.61	21.56	22	1
3	16QAM	1	14	21.63	21.56	21.50		
3	16QAM	8	0	20.39	20.29	20.26		
3	16QAM	8	4	20.43	20.40	20.32	21	2
3	16QAM	8	7	20.38	20.34	20.21		
3	16QAM	15	0	20.36	20.25	20.20		
3	64QAM	1	0	20.77	20.67	20.62		
3	64QAM	1	8	20.79	20.76	20.67	21	2
3	64QAM	1	14	20.76	20.69	20.62		
3	64QAM	8	0	19.58	19.45	19.39		
3	64QAM	8	4	19.60	19.52	19.41	20	3
3	64QAM	8	7	19.56	19.46	19.40		
3	64QAM	15	0	19.56	19.45	19.43		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.75	21.54	21.54		
1.4	QPSK	1	3	21.79	21.68	21.63		
1.4	QPSK	1	5	21.73	21.61	21.54	23	0
1.4	QPSK	3	0	21.74	21.55	21.52		
1.4	QPSK	3	1	21.76	21.65	21.59		
1.4	QPSK	3	3	21.71	21.61	21.56		
1.4	QPSK	6	0	21.26	21.15	21.08	22	1
1.4	16QAM	1	0	21.53	21.38	21.33		
1.4	16QAM	1	3	21.61	21.48	21.38		
1.4	16QAM	1	5	21.58	21.46	21.34	22	1
1.4	16QAM	3	0	21.35	21.17	21.13		
1.4	16QAM	3	1	21.39	21.29	21.17		
1.4	16QAM	3	3	21.33	21.24	21.19		
1.4	16QAM	6	0	20.38	20.29	20.17	21	2
1.4	64QAM	1	0	20.60	20.48	20.40		
1.4	64QAM	1	3	20.65	20.56	20.43		
1.4	64QAM	1	5	20.57	20.49	20.45	21	2
1.4	64QAM	3	0	20.65	20.47	20.46		
1.4	64QAM	3	1	20.68	20.58	20.49		
1.4	64QAM	3	3	20.61	20.50	20.44		
1.4	64QAM	6	0	19.55	19.42	19.36	20	3

Band 12 (700MHz Low Band)
Part 27F(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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.57	22.62	22.53		
10	QPSK	1	25	22.56	22.57	22.55	24	0
10	QPSK	1	49	22.60	22.55	22.56		
10	QPSK	25	0	21.58	21.70	21.65		
10	QPSK	25	12	21.60	21.62	21.58	23	1
10	QPSK	25	25	21.66	21.69	21.61		
10	QPSK	50	0	21.68	21.70	21.52		
10	16QAM	1	0	21.94	21.90	21.88		
10	16QAM	1	25	21.83	21.82	21.79	23	1
10	16QAM	1	49	21.90	21.90	21.87		
10	16QAM	25	0	20.63	20.62	20.65		
10	16QAM	25	12	20.72	20.62	20.63	22	2
10	16QAM	25	25	20.67	20.69	20.63		
10	16QAM	50	0	20.70	20.64	20.57		
10	64QAM	1	0	20.29	20.30	20.19		
10	64QAM	1	25	20.26	20.23	20.25	22	2
10	64QAM	1	49	20.29	20.25	20.25		
10	64QAM	25	0	19.10	19.07	19.09		
10	64QAM	25	12	19.15	19.05	19.08	21	3
10	64QAM	25	25	19.12	19.07	19.09		
10	64QAM	50	0	19.16	19.13	19.04		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	22.47	22.44	22.47		
5	QPSK	1	12	22.59	22.52	22.52	24	0
5	QPSK	1	24	22.57	22.57	22.49		
5	QPSK	12	0	21.64	21.61	21.55		
5	QPSK	12	7	21.70	21.68	21.60	23	1
5	QPSK	12	13	21.63	21.59	21.60		
5	QPSK	25	0	21.71	21.63	21.52		
5	16QAM	1	0	21.81	21.80	21.80		
5	16QAM	1	12	21.87	21.84	21.79	23	1
5	16QAM	1	24	21.92	21.89	21.81		
5	16QAM	12	0	20.64	20.63	20.56		
5	16QAM	12	7	20.70	20.68	20.66	22	2
5	16QAM	12	13	20.65	20.60	20.60		
5	16QAM	25	0	20.67	20.64	20.54		
5	64QAM	1	0	21.01	20.93	20.93		
5	64QAM	1	12	21.01	20.91	20.95	22	2
5	64QAM	1	24	21.03	21.01	20.93		
5	64QAM	12	0	19.87	19.85	19.82		
5	64QAM	12	7	19.97	19.90	19.87	21	3
5	64QAM	12	13	19.93	19.92	19.84		
5	64QAM	25	0	19.90	19.87	19.76		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	22.61	22.52	22.50		
3	QPSK	1	8	22.61	22.56	22.55	24	0
3	QPSK	1	14	22.52	22.56	22.47		
3	QPSK	8	0	21.68	21.57	21.50		
3	QPSK	8	4	21.70	21.69	21.63	23	1
3	QPSK	8	7	21.64	21.60	21.54		
3	QPSK	15	0	21.67	21.62	21.51		
3	16QAM	1	0	21.85	21.79	21.84		
3	16QAM	1	8	21.94	21.90	21.90	23	1
3	16QAM	1	14	21.85	21.80	21.82		
3	16QAM	8	0	20.76	20.65	20.59		
3	16QAM	8	4	20.80	20.68	20.67	22	2
3	16QAM	8	7	20.70	20.64	20.62		
3	16QAM	15	0	20.68	20.65	20.59		
3	64QAM	1	0	20.96	20.89	20.89		
3	64QAM	1	8	21.10	20.98	20.97	22	2
3	64QAM	1	14	21.02	20.95	20.88		
3	64QAM	8	0	19.96	19.85	19.83		
3	64QAM	8	4	19.98	19.96	19.92	21	3
3	64QAM	8	7	19.93	19.84	19.87		
3	64QAM	15	0	19.93	19.85	19.81		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	22.42	22.31	22.30		
1.4	QPSK	1	3	22.46	22.42	22.31		
1.4	QPSK	1	5	22.36	22.32	22.20	24	0
1.4	QPSK	3	0	22.43	22.34	22.31		
1.4	QPSK	3	1	22.48	22.42	22.36		
1.4	QPSK	3	3	22.39	22.29	22.29		
1.4	QPSK	6	0	21.49	21.43	21.37	23	1
1.4	16QAM	1	0	21.79	21.73	21.72		
1.4	16QAM	1	3	21.81	21.77	21.76		
1.4	16QAM	1	5	21.72	21.71	21.69	23	1
1.4	16QAM	3	0	21.52	21.42	21.39		
1.4	16QAM	3	1	21.59	21.48	21.42		
1.4	16QAM	3	3	21.44	21.40	21.32		
1.4	16QAM	6	0	20.52	20.51	20.42	22	2
1.4	64QAM	1	0	20.93	20.88	20.88		
1.4	64QAM	1	3	20.95	20.89	20.92		
1.4	64QAM	1	5	20.86	20.80	20.83	22	2
1.4	64QAM	3	0	20.83	20.68	20.71		
1.4	64QAM	3	1	20.85	20.80	20.78		
1.4	64QAM	3	3	20.80	20.71	20.66		
1.4	64QAM	6	0	19.75	19.70	19.61	21	3

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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	22.63		
10	QPSK	1	25	22.68	22.59	22.70	24	0
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	22	2
10	16QAM	25	25	20.74	20.76	20.73		
10	16QAM	50	0	20.78	20.76	20.77		
10	64QAM	1	0	21.13	21.19	21.19		
10	64QAM	1	25	21.02	21.11	21.17	22	2
10	64QAM	1	49	21.18	21.19	21.13		
10	64QAM	25	0	19.92	19.97	19.92		
10	64QAM	25	12	20.05	20.03	20.00	21	3
10	64QAM	25	25	19.93	19.99	19.96		
10	64QAM	50	0	20.04	20.01	20.03		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	22.72	22.71	22.71		
5	QPSK	1	12	22.67	22.68	22.65	24	0
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	22.00	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	20.81	20.77	22	2
5	16QAM	12	13	20.78	20.77	20.78		
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	22	2
5	64QAM	1	24	21.15	21.22	21.16		
5	64QAM	12	0	20.08	20.05	20.02		
5	64QAM	12	7	20.07	20.05	19.98	21	3
5	64QAM	12	13	19.96	20.00	19.95		
5	64QAM	25	0	20.02	19.98	19.91		

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		
20	QPSK	1	49	22.57	22.50	22.55	24	0
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	21.76	21.70		
20	16QAM	1	0	21.96	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	22	2
20	16QAM	50	50	20.71	20.66	20.69		
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	22	2
20	64QAM	1	99	20.56	20.66	20.68		
20	64QAM	50	0	19.83	19.75	19.69		
20	64QAM	50	24	19.75	19.71	19.75	21	3
20	64QAM	50	50	19.68	19.64	19.68		
20	64QAM	100	0	19.74	19.68	19.76		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	22.71	22.61	22.60		
15	QPSK	1	37	22.51	22.50	22.48	24	0
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	22	2
15	16QAM	36	39	20.68	20.66	20.71		
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	22	2
15	64QAM	1	74	20.65	20.62	20.66		
15	64QAM	36	0	19.78	19.69	19.64		
15	64QAM	36	20	19.78	19.70	19.78	21	3
15	64QAM	36	39	19.70	19.68	19.68		
15	64QAM	75	0	19.77	19.71	19.68		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	22.90	22.66	22.65		
10	QPSK	1	25	22.86	22.74	22.75	24	0
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	21.87		
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	20.91	20.92	22	2
10	16QAM	25	25	20.89	20.84	20.87		
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	22	2
10	64QAM	1	49	21.01	20.93	21.04		
10	64QAM	25	0	19.94	19.86	19.78		
10	64QAM	25	12	19.94	19.86	19.86	21	3
10	64QAM	25	25	19.88	19.78	19.89		
10	64QAM	50	0	19.93	19.83	19.90		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	22.65	22.78	22.81		
5	QPSK	1	12	22.78	22.78	22.78	24	0
5	QPSK	1	24	22.82	22.77	22.78		
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		
5	16QAM	1	12	22.12	22.05	22.10	23	1
5	16QAM	1	24	22.21	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	21.11	21.10		
5	64QAM	1	12	21.10	20.99	21.02	22	2
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	19.93	19.85	19.90		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	22.55	22.76	22.85		
3	QPSK	1	8	22.56	22.76	22.85	24	0
3	QPSK	1	14	22.84	22.73	22.79		
3	QPSK	8	0	21.89	21.84	21.83		
3	QPSK	8	4	21.98	21.85	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		
3	16QAM	1	8	22.22	22.11	22.21	23	1
3	16QAM	1	14	22.17	22.08	22.15		
3	16QAM	8	0	20.95	20.83	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		
3	64QAM	1	8	21.28	21.15	21.25	22	2
3	64QAM	1	14	21.22	21.10	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	22.71	22.68	22.71		
1.4	QPSK	1	3	22.80	22.73	22.78		
1.4	QPSK	1	5	22.71	22.63	22.70	24	0
1.4	QPSK	3	0	22.79	22.66	22.74		
1.4	QPSK	3	1	22.81	22.69	22.75		
1.4	QPSK	3	3	22.77	22.64	22.75		
1.4	QPSK	6	0	21.86	21.72	21.79	23	1
1.4	16QAM	1	0	22.18	22.02	22.08		
1.4	16QAM	1	3	22.21	22.16	22.17		
1.4	16QAM	1	5	22.16	22.07	22.10	23	1
1.4	16QAM	3	0	21.80	21.69	21.76		
1.4	16QAM	3	1	21.82	21.73	21.76		
1.4	16QAM	3	3	21.76	21.68	21.71		
1.4	16QAM	6	0	20.91	20.83	20.83	22	2
1.4	64QAM	1	0	21.22	21.02	21.12		
1.4	64QAM	1	3	21.20	21.11	21.14		
1.4	64QAM	1	5	21.12	21.00	21.05	22	2
1.4	64QAM	3	0	20.99	20.90	20.90		
1.4	64QAM	3	1	21.04	20.92	20.97		
1.4	64QAM	3	3	21.01	20.90	20.93		
1.4	64QAM	6	0	19.91	19.76	19.80	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	22.56	22.70	22.67		
15	QPSK	1	37	22.44	22.37	22.27	24	0
15	QPSK	1	74	22.35	22.31	22.43		
15	QPSK	36	0	21.56	21.57	21.55		
15	QPSK	36	20	21.44	21.35	21.19	23	1
15	QPSK	36	39	21.41	21.34	21.23		
15	QPSK	75	0	21.46	21.48	21.21		
15	16QAM	1	0	21.44	21.39	21.27		
15	16QAM	1	37	21.37	21.29	21.20	23	1
15	16QAM	1	74	21.33	21.22	21.11		
15	16QAM	36	0	20.23	20.13	20.04		
15	16QAM	36	20	20.25	20.17	20.45	22	2
15	16QAM	36	39	20.22	20.12	20.01		
15	16QAM	75	0	20.30	20.19	20.02		
15	64QAM	1	0	20.72	20.50	20.38		
15	64QAM	1	37	20.51	20.39	20.31	22	2
15	64QAM	1	74	20.40	20.34	20.24		
15	64QAM	36	0	19.47	19.38	19.28		
15	64QAM	36	20	19.50	19.40	19.23	21	3
15	64QAM	36	39	19.46	19.36	19.28		
15	64QAM	75	0	19.54	19.43	19.27		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	22.36	22.35	22.24		
10	QPSK	1	25	22.38	22.28	22.23	24	0
10	QPSK	1	49	22.39	22.26	22.12		
10	QPSK	25	0	21.56	21.38	21.30		
10	QPSK	25	12	21.54	21.46	21.29	23	1
10	QPSK	25	25	21.52	21.39	21.30		
10	QPSK	50	0	21.55	21.44	21.25		
10	16QAM	1	0	21.66	21.69	21.57		
10	16QAM	1	25	21.68	21.58	21.53	23	1
10	16QAM	1	49	21.71	21.61	21.45		
10	16QAM	25	0	20.60	20.38	20.32		
10	16QAM	25	12	20.58	20.47	20.32	22	2
10	16QAM	25	25	20.55	20.41	20.32		
10	16QAM	50	0	20.56	20.46	20.30		
10	64QAM	1	0	20.75	20.78	20.71		
10	64QAM	1	25	20.85	20.75	20.61	22	2
10	64QAM	1	49	20.84	20.70	20.57		
10	64QAM	25	0	19.82	19.64	19.52		
10	64QAM	25	12	19.80	19.69	19.51	21	3
10	64QAM	25	25	19.77	19.61	19.50		
10	64QAM	50	0	19.78	19.67	19.52		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	22.49	22.49	22.43		
5	QPSK	1	12	22.68	22.53	22.43	24	0
5	QPSK	1	24	22.64	22.52	22.34		
5	QPSK	12	0	21.58	21.39	21.28		
5	QPSK	12	7	21.59	21.44	21.27	23	1
5	QPSK	12	13	21.55	21.41	21.24		
5	QPSK	25	0	21.55	21.38	21.28		
5	16QAM	1	0	21.51	21.64	21.57		
5	16QAM	1	12	21.80	21.66	21.51	23	1
5	16QAM	1	24	21.78	21.64	21.53		
5	16QAM	12	0	20.61	20.41	20.33		
5	16QAM	12	7	20.61	20.45	20.33	22	2
5	16QAM	12	13	20.58	20.40	20.28		
5	16QAM	25	0	20.56	20.40	20.30		
5	64QAM	1	0	20.73	20.83	20.76		
5	64QAM	1	12	20.99	20.78	20.68	22	2
5	64QAM	1	24	21.00	20.82	20.75		
5	64QAM	12	0	19.82	19.62	19.55		
5	64QAM	12	7	19.82	19.67	19.52	21	3
5	64QAM	12	13	19.78	19.62	19.48		
5	64QAM	25	0	19.80	19.64	19.51		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	22.54	22.51	22.39		
3	QPSK	1	8	22.56	22.57	22.42	24	0
3	QPSK	1	14	22.55	22.51	22.35		
3	QPSK	8	0	21.51	21.35	21.24		
3	QPSK	8	4	21.60	21.39	21.28	23	1
3	QPSK	8	7	21.55	21.36	21.24		
3	QPSK	15	0	21.58	21.37	21.27		
3	16QAM	1	0	21.50	21.60	21.48		
3	16QAM	1	8	21.86	21.69	21.53	23	1
3	16QAM	1	14	21.81	21.64	21.46		
3	16QAM	8	0	20.55	20.43	20.33		
3	16QAM	8	4	20.67	20.51	20.32	22	2
3	16QAM	8	7	20.60	20.43	20.31		
3	16QAM	15	0	20.60	20.40	20.31		
3	64QAM	1	0	20.65	20.79	20.64		
3	64QAM	1	8	21.14	20.91	20.78	22	2
3	64QAM	1	14	21.05	20.85	20.74		
3	64QAM	8	0	19.76	19.62	19.54		
3	64QAM	8	4	19.89	19.66	19.52	21	3
3	64QAM	8	7	19.84	19.62	19.50		
3	64QAM	15	0	19.80	19.61	19.49		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	22.36	22.41	22.29		
1.4	QPSK	1	3	22.63	22.46	22.33		
1.4	QPSK	1	5	22.58	22.39	22.23	24	0
1.4	QPSK	3	0	22.44	22.43	22.31		
1.4	QPSK	3	1	22.56	22.48	22.35		
1.4	QPSK	3	3	22.65	22.45	22.27		
1.4	QPSK	6	0	21.39	21.31	21.16	23	1
1.4	16QAM	1	0	21.41	21.54	21.37		
1.4	16QAM	1	3	21.69	21.62	21.46		
1.4	16QAM	1	5	21.73	21.55	21.36	23	1
1.4	16QAM	3	0	21.27	21.30	21.15		
1.4	16QAM	3	1	21.33	21.37	21.20		
1.4	16QAM	3	3	21.43	21.30	21.13		
1.4	16QAM	6	0	20.46	20.37	20.25	22	2
1.4	64QAM	1	0	20.61	20.71	20.57		
1.4	64QAM	1	3	20.85	20.79	20.65		
1.4	64QAM	1	5	20.91	20.71	20.58	22	2
1.4	64QAM	3	0	20.58	20.68	20.47		
1.4	64QAM	3	1	20.71	20.69	20.51		
1.4	64QAM	3	3	20.77	20.64	20.46		
1.4	64QAM	6	0	19.61	19.56	19.41	21	3

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		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	22.35	22.45	22.37		
20	QPSK	1	49	22.26	22.35	22.32	24	0
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	21.68	21.82		
20	QPSK	100	0	21.72	21.85	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	22	2
20	16QAM	50	50	20.79	20.64	20.81		
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	22	2
20	64QAM	1	99	20.93	20.71	20.93		
20	64QAM	50	0	19.79	19.68	19.87		
20	64QAM	50	24	19.76	19.72	19.82	21	3
20	64QAM	50	50	19.80	19.64	19.84		
20	64QAM	100	0	19.79	19.73	19.81		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	22.13	22.23	22.39		
15	QPSK	1	37	22.16	22.27	22.32	24	0
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	21	3
15	64QAM	36	39	19.67	19.85	19.85		
15	64QAM	75	0	19.70	19.80	19.86		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	22.17	22.33	22.33		
10	QPSK	1	25	22.30	22.32	22.32	24	0
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	20.99	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	21	3
10	64QAM	25	25	19.90	19.99	20.09		
10	64QAM	50	0	19.87	19.96	19.99		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	22.32	22.37	22.23		
5	QPSK	1	12	22.23	22.37	22.34	24	0
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	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	21	3
5	64QAM	12	13	19.81	19.98	20.01		
5	64QAM	25	0	19.81	19.93	20.02		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	22.33	22.34	22.42		
3	QPSK	1	8	22.44	22.44	22.44	24	0
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	22	2
3	16QAM	8	7	20.99	20.99	21.01		
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	22	2
3	64QAM	1	14	21.13	21.09	21.13		
3	64QAM	8	0	19.94	19.98	20.00		
3	64QAM	8	4	20.02	20.05	20.02	21	3
3	64QAM	8	7	19.96	20.02	20.06		
3	64QAM	15	0	19.98	19.96	20.05		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	22.36	22.34	22.34		
1.4	QPSK	1	3	22.37	22.40	22.39		
1.4	QPSK	1	5	22.29	22.33	22.29	24	0
1.4	QPSK	3	0	22.34	22.37	22.33		
1.4	QPSK	3	1	22.38	22.38	22.38		
1.4	QPSK	3	3	22.36	22.37	22.40		
1.4	QPSK	6	0	21.92	21.93	21.92	23	1
1.4	16QAM	1	0	22.17	22.21	22.22		
1.4	16QAM	1	3	22.27	22.32	22.28		
1.4	16QAM	1	5	22.19	22.17	22.21	23	1
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		
1.4	16QAM	6	0	21.03	21.04	21.09	22	2
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		
Frequency (MHz)				673	683	688		
20	QPSK	1	0	22.43	22.46	22.37		
20	QPSK	1	49	22.34	22.43	22.44	24	0
20	QPSK	1	99	22.45	22.32	22.32		
20	QPSK	50	0	21.45	21.57	21.54		
20	QPSK	50	24	21.43	21.52	21.54	23	1
20	QPSK	50	50	21.54	21.45	21.49		
20	QPSK	100	0	21.55	21.56	21.38		
20	16QAM	1	0	21.56	21.79	21.82		
20	16QAM	1	49	21.34	21.65	21.82	23	1
20	16QAM	1	99	21.65	21.56	21.70		
20	16QAM	50	0	20.76	20.57	20.58		
20	16QAM	50	24	20.65	20.47	20.54	22	2
20	16QAM	50	50	20.45	20.42	20.37		
20	16QAM	100	0	20.54	20.43	20.49		
20	64QAM	1	0	20.44	20.56	20.61		
20	64QAM	1	49	20.65	20.74	20.63	22	2
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	21	3
20	64QAM	50	50	19.54	19.52	19.53		
20	64QAM	100	0	19.65	19.55	19.46		
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	22.39	22.41	22.31		
15	QPSK	1	37	22.29	22.37	22.41	24	0
15	QPSK	1	74	22.41	22.27	22.26		
15	QPSK	36	0	21.40	21.53	21.49		
15	QPSK	36	20	21.39	21.47	21.48	23	1
15	QPSK	36	39	21.49	21.41	21.45		
15	QPSK	75	0	21.51	21.40	21.33		
15	16QAM	1	0	21.52	21.75	21.78		
15	16QAM	1	37	21.29	21.60	21.77	23	1
15	16QAM	1	74	21.61	21.51	21.66		
15	16QAM	36	0	20.71	20.53	20.53		
15	16QAM	36	20	20.60	20.42	20.48	22	2
15	16QAM	36	39	20.41	20.37	20.33		
15	16QAM	75	0	20.49	20.37	20.44		
15	64QAM	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	19.49	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	678	693		
10	QPSK	1	0	22.35	22.36	22.25		
10	QPSK	1	25	22.24	22.31	22.38	24	0
10	QPSK	1	49	22.37	22.22	22.20		
10	QPSK	25	0	21.35	21.49	21.44		
10	QPSK	25	12	21.35	21.42	21.42	23	1
10	QPSK	25	25	21.44	21.37	21.41		
10	QPSK	50	0	21.47	21.35	21.28		
10	16QAM	1	0	21.48	21.71	21.56		
10	16QAM	1	25	21.24	21.55	21.72	23	1
10	16QAM	1	49	21.57	21.46	21.62		
10	16QAM	25	0	20.66	20.49	20.48		
10	16QAM	25	12	20.55	20.37	20.42	22	2
10	16QAM	25	25	20.37	20.32	20.29		
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	22	2
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	21	3
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		
5	QPSK	1	12	22.29	22.35	22.45	24	0
5	QPSK	1	24	22.43	22.27	22.24		
5	QPSK	12	0	21.40	21.55	21.49		
5	QPSK	12	7	21.41	21.47	21.46	23	1
5	QPSK	12	13	21.49	21.43	21.47		
5	QPSK	25	0	21.53	21.40	21.33		
5	16QAM	1	0	21.54	21.77	21.80		
5	16QAM	1	12	21.45	21.60	21.77	23	1
5	16QAM	1	24	21.63	21.51	21.68		
5	16QAM	12	0	20.71	20.55	20.53		
5	16QAM	12	7	20.60	20.42	20.46	22	2
5	16QAM	12	13	20.43	20.37	20.35		
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	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	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 slots	23.56	23.76	23.61	25.50	17.56	17.76	17.61	19.50
GPRS 3 Tx slots	23.20	23.33	23.30	24.00	18.94	19.07	19.04	19.74
GPRS 4 Tx slots	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 slots	20.06	20.27	20.25	21.50	14.06	14.27	14.25	15.50
EDGE 3 Tx slots	18.86	19.15	19.11	20.50	14.60	14.89	14.85	16.24
EDGE 4 Tx slots	17.00	17.23	17.12	18.50	14.00	14.23	14.12	15.50

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	1638	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	18.00
3GPP Rel 99	RMC 12.2Kbps	16.17	16.32	16.29	17.50	16.21	16.27	16.19	18.00
3GPP Rel 6	HSDPA Subtest-1	15.64	15.65	15.69	16.50	15.62	15.54	15.52	17.00
3GPP Rel 6	HSDPA Subtest-2	15.69	15.61	15.67	16.50	15.67	15.45	15.62	17.00
3GPP Rel 6	HSDPA Subtest-3	15.35	15.31	15.22	16.00	14.90	15.15	15.05	16.50
3GPP Rel 6	HSDPA Subtest-4	15.32	15.28	15.24	16.00	15.02	15.22	15.07	16.50
3GPP Rel 8	DC-HSDPA Subtest-1	15.63	15.70	15.60	16.50	15.53	15.58	15.43	17.00
3GPP Rel 8	DC-HSDPA Subtest-2	15.69	15.53	15.67	16.50	15.61	15.37	15.46	17.00
3GPP Rel 8	DC-HSDPA Subtest-3	15.35	15.31	15.22	16.00	15.13	15.15	15.05	16.50
3GPP Rel 8	DC-HSDPA Subtest-4	15.32	15.26	15.24	16.00	15.21	15.10	15.07	16.50
3GPP Rel 6	HSUPA Subtest-1	15.95	15.82	15.77	16.50	15.55	15.57	15.60	17.00
3GPP Rel 6	HSUPA Subtest-2	13.96	14.08	13.73	14.50	13.71	13.92	13.56	15.00
3GPP Rel 6	HSUPA Subtest-3	14.94	14.86	14.72	15.50	14.67	14.70	14.55	16.00
3GPP Rel 6	HSUPA Subtest-4	13.97	13.89	13.76	14.50	13.68	13.73	13.59	15.00
3GPP Rel 6	HSUPA Subtest-5	15.92	15.92	15.72	16.50	15.50	15.60	15.50	17.00

Band	CDMA BC1			Tune-up Limit (dBm)
TX Channel	25	600	1175	
Frequency (MHz)	1851.25	1880	1908.75	
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
RETAP 4096Bits	16.13	16.32	16.27	18.00

SPORTON LAB.

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	16.85	16.96	16.87		
20	QPSK	1	49	16.66	16.54	16.86	18	0
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	18	0
20	16QAM	50	50	16.23	16.37	16.41		
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	18	0
20	64QAM	1	99	16.19	16.33	16.25		
20	64QAM	50	0	16.41	16.18	16.33		
20	64QAM	50	24	16.20	16.21	16.28	18	0
20	64QAM	50	50	16.17	16.67	16.33		
20	64QAM	100	0	16.31	16.12	16.30		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	16.57	16.38	16.54		
15	QPSK	1	37	16.45	16.37	16.56	18	0
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	18	0
15	16QAM	36	39	16.59	16.55	16.60		
15	16QAM	75	0	16.60	16.58	16.54		
15	64QAM	1	0	16.79	16.49	16.54		
15	64QAM	1	37	16.70	16.73	16.51	18	0
15	64QAM	1	74	16.76	16.60	16.41		
15	64QAM	36	0	16.35	16.37	16.47		
15	64QAM	36	20	16.26	16.35	16.44	18	0
15	64QAM	36	39	16.17	16.29	16.33		
15	64QAM	75	0	16.31	16.30	16.30		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	16.42	16.73	16.39		
10	QPSK	1	25	16.28	16.37	16.56	18	0
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	16.86		
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	18	0
10	16QAM	25	25	16.44	16.50	16.59		
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	18	0
10	64QAM	1	49	16.62	16.43	16.89		
10	64QAM	25	0	16.44	16.40	16.63		
10	64QAM	25	12	16.48	16.35	16.48	18	0
10	64QAM	25	25	16.46	16.25	16.53		
10	64QAM	50	0	16.45	16.41	16.43		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	16.58	16.44	16.53		
5	QPSK	1	12	16.47	16.52	16.51	18	0
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	16.87	16.88	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	18	0
5	16QAM	12	13	16.45	16.44	16.44		
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	18	0
5	64QAM	1	24	16.48	16.43	16.52		
5	64QAM	12	0	16.46	16.42	16.60		
5	64QAM	12	7	16.54	16.39	16.61	18	0
5	64QAM	12	13	16.37	16.46	16.47		
5	64QAM	25	0	16.61	16.57	16.56		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	16.87	16.57	16.76		
3	QPSK	1	8	16.71	16.62	16.71	18	0
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	18	0
3	16QAM	8	7	16.49	16.41	16.50		
3	16QAM	15	0	16.53	16.52	16.56		
3	64QAM	1	0	16.58	16.63	16.71		
3	64QAM	1	8	16.80	16.89	16.95	18	0
3	64QAM	1	14	16.51	16.52	16.65		
3	64QAM	8	0	16.63	16.38	16.49		
3	64QAM	8	4	16.55	16.55	16.57	18	0
3	64QAM	8	7	16.47	16.37	16.52		
3	64QAM	15	0	16.53	16.34	16.46		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	16.67	16.58	16.67		
1.4	QPSK	1	3	16.72	16.61	16.72		
1.4	QPSK	1	5	16.58	16.49	16.67	18	0
1.4	QPSK	3	0	16.72	16.49	16.57		
1.4	QPSK	3	1	16.76	16.56	16.65		
1.4	QPSK	3	3	16.62	16.46	16.64		
1.4	QPSK	6	0	16.68	16.59	16.71	18	0
1.4	16QAM	1	0	16.53	16.39	16.60		
1.4	16QAM	1	3	16.39	16.26	16.42		
1.4	16QAM	1	5	16.38	16.39	16.57	18	0
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		
1.4	16QAM	6	0	16.64	16.42	16.60	18	0
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	16.50	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 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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	17.85	18.07	17.99		
20	QPSK	1	49	17.86	17.87	17.94	19	0
20	QPSK	1	99	18.01	17.95	17.99		
20	QPSK	50	0	17.91	17.93	17.83		
20	QPSK	50	24	17.53	17.63	17.76	19	0
20	QPSK	50	50	17.60	17.82	17.80		
20	QPSK	100	0	17.61	17.88	17.73		
20	16QAM	1	0	17.76	17.77	17.89		
20	16QAM	1	49	17.91	17.67	17.80	19	0
20	16QAM	1	99	17.53	17.84	17.73		
20	16QAM	50	0	17.60	17.73	17.63		
20	16QAM	50	24	17.61	17.67	17.73	19	0
20	16QAM	50	50	17.55	17.75	17.81		
20	16QAM	100	0	17.61	17.72	17.73		
20	64QAM	1	0	18.03	18.05	17.86		
20	64QAM	1	49	17.67	17.83	17.73	19	0
20	64QAM	1	99	17.84	17.72	17.61		
20	64QAM	50	0	17.52	17.61	17.67		
20	64QAM	50	24	17.67	17.63	17.67	19	0
20	64QAM	50	50	17.61	17.60	17.65		
20	64QAM	100	0	17.73	17.71	17.78		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	17.90	18.00	17.95		
15	QPSK	1	37	17.56	17.98	17.88	19	0
15	QPSK	1	74	17.92	17.93	17.94		
15	QPSK	36	0	17.80	17.69	17.75		
15	QPSK	36	20	17.75	17.66	17.83	19	0
15	QPSK	36	39	17.69	17.67	17.78		
15	QPSK	75	0	17.70	17.68	17.72		
15	16QAM	1	0	17.75	17.89	17.69		
15	16QAM	1	37	17.69	17.67	17.94	19	0
15	16QAM	1	74	17.79	18.02	17.73		
15	16QAM	36	0	17.76	17.56	17.68		
15	16QAM	36	20	17.70	17.70	17.81	19	0
15	16QAM	36	39	17.75	17.75	17.73		
15	16QAM	75	0	17.69	17.67	17.79		
15	64QAM	1	0	18.03	17.85	18.02		
15	64QAM	1	37	17.87	17.75	17.81	19	0
15	64QAM	1	74	17.94	17.85	17.77		
15	64QAM	36	0	17.77	17.61	17.67		
15	64QAM	36	20	17.67	17.70	17.77	19	0
15	64QAM	36	39	17.55	17.60	17.79		
15	64QAM	75	0	17.76	17.66	17.71		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	17.81	17.73	17.91		
10	QPSK	1	25	17.89	17.83	17.79	19	0
10	QPSK	1	49	17.86	17.76	17.92		
10	QPSK	25	0	17.80	17.75	17.77		
10	QPSK	25	12	17.86	17.80	17.85	19	0
10	QPSK	25	25	17.82	17.77	17.92		
10	QPSK	50	0	17.84	17.78	17.84		
10	16QAM	1	0	17.83	17.81	17.82		
10	16QAM	1	25	17.78	17.82	17.82	19	0
10	16QAM	1	49	17.82	17.87	18.00		
10	16QAM	25	0	17.88	17.86	17.89		
10	16QAM	25	12	17.87	17.85	17.72	19	0
10	16QAM	25	25	17.63	17.82	17.90		
10	16QAM	50	0	17.84	17.80	17.92		
10	64QAM	1	0	17.94	18.03	17.99		
10	64QAM	1	25	17.89	17.83	17.82	19	0
10	64QAM	1	49	17.85	17.88	17.82		
10	64QAM	25	0	17.94	17.76	17.77		
10	64QAM	25	12	17.74	17.78	17.76	19	0
10	64QAM	25	25	17.66	17.93	17.88		
10	64QAM	50	0	17.80	17.77	17.75		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	17.89	17.82	17.92		
5	QPSK	1	12	17.84	17.74	17.83	19	0
5	QPSK	1	24	17.85	17.90	17.91		
5	QPSK	12	0	17.88	17.77	17.79		
5	QPSK	12	7	17.89	17.81	17.97	19	0
5	QPSK	12	13	17.87	17.98	17.90		
5	QPSK	25	0	17.86	17.84	17.89		
5	16QAM	1	0	18.00	17.82	17.95		
5	16QAM	1	12	17.97	17.98	17.79	19	0
5	16QAM	1	24	18.00	17.93	17.96		
5	16QAM	12	0	17.91	17.90	17.98		
5	16QAM	12	7	17.83	17.83	17.90	19	0
5	16QAM	12	13	17.83	17.87	17.95		
5	16QAM	25	0	17.82	17.78	17.95		
5	64QAM	1	0	17.93	17.83	18.00		
5	64QAM	1	12	17.99	17.69	17.93	19	0
5	64QAM	1	24	17.90	17.78	17.98		
5	64QAM	12	0	17.78	17.94	17.82		
5	64QAM	12	7	17.82	17.72	17.99	19	0
5	64QAM	12	13	17.79	17.82	17.93		
5	64QAM	25	0	17.89	17.77	17.90		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	17.75	17.75	17.78		
3	QPSK	1	8	17.80	17.81	17.84	19	0
3	QPSK	1	14	17.68	17.84	17.83		
3	QPSK	8	0	17.81	17.66	17.95		
3	QPSK	8	4	17.83	17.90	17.91	19	0
3	QPSK	8	7	17.85	17.86	17.86		
3	QPSK	15	0	17.78	17.80	17.90		
3	16QAM	1	0	17.89	17.88	17.92		
3	16QAM	1	8	17.87	17.89	17.82	19	0
3	16QAM	1	14	17.82	17.83	17.94		
3	16QAM	8	0	17.85	17.78	17.94		
3	16QAM	8	4	18.00	17.94	18.03	19	0
3	16QAM	8	7	18.02	17.95	17.90		
3	16QAM	15	0	17.98	17.69	17.98		
3	64QAM	1	0	17.62	17.98	17.98		
3	64QAM	1	8	17.98	17.67	17.90	19	0
3	64QAM	1	14	17.94	18.02	18.02		
3	64QAM	8	0	17.76	17.69	17.93		
3	64QAM	8	4	17.93	17.67	18.01	19	0
3	64QAM	8	7	17.81	17.80	17.87		
3	64QAM	15	0	17.77	17.76	17.90		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	17.49	17.57	17.55		
1.4	QPSK	1	3	17.49	17.58	17.71		
1.4	QPSK	1	5	17.53	17.47	17.58	19	0
1.4	QPSK	3	0	17.55	17.54	17.57		
1.4	QPSK	3	1	17.53	17.60	17.69		
1.4	QPSK	3	3	17.52	17.61	17.61		
1.4	QPSK	6	0	17.63	17.59	17.73	19	0
1.4	16QAM	1	0	17.78	17.54	17.73		
1.4	16QAM	1	3	17.53	17.59	17.61		
1.4	16QAM	1	5	17.81	17.81	17.78	19	0
1.4	16QAM	3	0	17.62	17.64	17.63		
1.4	16QAM	3	1	17.62	17.69	17.66		
1.4	16QAM	3	3	17.61	17.56	17.75		
1.4	16QAM	6	0	17.77	17.81	17.87	19	0
1.4	64QAM	1	0	17.66	17.75	17.86		
1.4	64QAM	1	3	17.55	17.56	17.84		
1.4	64QAM	1	5	17.66	17.75	17.69	19	0
1.4	64QAM	3	0	17.58	17.56	17.68		
1.4	64QAM	3	1	17.64	17.84	18.04		
1.4	64QAM	3	3	17.79	18.03	17.56		
1.4	64QAM	6	0	17.64	17.59	17.62	19	0

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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.16	17.26	17.21		
20	QPSK	1	49	16.87	17.10	16.77	18.5	0
20	QPSK	1	99	17.14	16.93	17.05		
20	QPSK	50	0	17.09	17.25	17.21		
20	QPSK	50	24	17.07	17.12	17.19	18.5	0
20	QPSK	50	50	17.12	17.16	17.07		
20	QPSK	100	0	17.07	17.19	17.16		
20	16QAM	1	0	16.97	17.12	17.14		
20	16QAM	1	49	16.93	17.15	17.06	18.5	0
20	16QAM	1	99	17.03	17.15	17.11		
20	16QAM	50	0	16.84	16.99	16.96		
20	16QAM	50	24	16.94	17.04	16.89	18.5	0
20	16QAM	50	50	16.88	16.95	16.85		
20	16QAM	100	0	16.88	16.96	16.86		
20	64QAM	1	0	16.61	16.85	16.61		
20	64QAM	1	49	16.70	16.81	17.08	18.5	0
20	64QAM	1	99	17.00	16.97	16.65		
20	64QAM	50	0	16.82	16.97	16.93		
20	64QAM	50	24	16.87	16.98	16.97	18.5	0
20	64QAM	50	50	16.89	16.91	16.81		
20	64QAM	100	0	16.76	16.95	16.93		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	16.88	16.99	16.98		
15	QPSK	1	37	16.90	17.12	16.90	18.5	0
15	QPSK	1	74	16.98	16.97	16.92		
15	QPSK	36	0	17.11	17.18	17.19		
15	QPSK	36	20	17.10	17.22	17.10	18.5	0
15	QPSK	36	39	17.04	17.11	17.10		
15	QPSK	75	0	17.07	17.21	17.10		
15	16QAM	1	0	17.14	17.14	17.12		
15	16QAM	1	37	17.01	17.05	16.94	18.5	0
15	16QAM	1	74	17.21	17.08	17.17		
15	16QAM	36	0	16.75	16.87	16.87		
15	16QAM	36	20	16.86	16.95	16.86	18.5	0
15	16QAM	36	39	16.87	16.90	16.85		
15	16QAM	75	0	16.98	16.88	16.85		
15	64QAM	1	0	16.53	16.93	16.91		
15	64QAM	1	37	16.56	16.70	16.82	18.5	0
15	64QAM	1	74	16.89	16.79	16.74		
15	64QAM	36	0	16.84	16.94	16.98		
15	64QAM	36	20	16.94	17.03	16.95	18.5	0
15	64QAM	36	39	16.90	16.95	16.87		
15	64QAM	75	0	16.87	16.92	16.86		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	16.85	16.92	17.10		
10	QPSK	1	25	16.99	17.02	17.07	18.5	0
10	QPSK	1	49	17.07	17.14	16.96		
10	QPSK	25	0	16.93	17.10	17.01		
10	QPSK	25	12	16.97	17.10	17.00	18.5	0
10	QPSK	25	25	16.90	17.08	17.00		
10	QPSK	50	0	16.98	17.07	17.01		
10	16QAM	1	0	17.21	17.15	17.22		
10	16QAM	1	25	17.08	17.03	17.13	18.5	0
10	16QAM	1	49	17.14	17.23	17.10		
10	16QAM	25	0	16.95	17.10	17.03		
10	16QAM	25	12	16.96	17.05	17.13	18.5	0
10	16QAM	25	25	16.95	17.10	17.01		
10	16QAM	50	0	16.97	17.09	17.02		
10	64QAM	1	0	16.73	17.12	16.74		
10	64QAM	1	25	16.89	17.12	17.12	18.5	0
10	64QAM	1	49	16.86	17.14	17.03		
10	64QAM	25	0	16.91	17.03	17.06		
10	64QAM	25	12	16.92	17.10	17.01	18.5	0
10	64QAM	25	25	16.93	17.02	17.03		
10	64QAM	50	0	16.98	17.10	17.05		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	16.95	17.04	16.97		
5	QPSK	1	12	16.91	17.08	17.12	18.5	0
5	QPSK	1	24	17.09	17.22	16.97		
5	QPSK	12	0	16.80	17.02	16.90		
5	QPSK	12	7	16.85	17.12	17.00	18.5	0
5	QPSK	12	13	16.88	17.02	16.97		
5	QPSK	25	0	16.79	16.98	16.86		
5	16QAM	1	0	17.15	17.20	17.12		
5	16QAM	1	12	17.16	17.10	16.99	18.5	0
5	16QAM	1	24	17.23	17.11	17.13		
5	16QAM	12	0	16.84	16.82	16.80		
5	16QAM	12	7	16.84	17.01	16.97	18.5	0
5	16QAM	12	13	16.83	17.03	16.95		
5	16QAM	25	0	16.95	17.07	16.97		
5	64QAM	1	0	17.10	17.12	16.95		
5	64QAM	1	12	17.05	17.13	17.17	18.5	0
5	64QAM	1	24	17.19	17.10	16.91		
5	64QAM	12	0	16.81	16.97	16.83		
5	64QAM	12	7	16.87	17.16	17.00	18.5	0
5	64QAM	12	13	16.91	17.16	16.98		
5	64QAM	25	0	16.89	17.07	16.85		

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	16.72	16.93	16.80		
20	QPSK	1	49	16.75	16.74	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	16.60	16.65	16.74	18	0
20	QPSK	50	50	16.61	16.64	16.87		
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	100	0	16.39	16.45	16.33		
20	64QAM	1	0	16.67	16.45	16.32		
20	64QAM	1	49	16.72	16.22	16.45	18	0
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	Tune-up limit (dBm)	MPR (dB)
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	18	0
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	16.39	16.35	16.65		
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	16.09	16.35	16.18	18	0
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	18	0
15	64QAM	36	39	16.18	16.13	16.18		
15	64QAM	75	0	16.27	16.24	16.24		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	16.88		
5	QPSK	12	0	16.80	16.74	16.84		
5	QPSK	12	7	16.91	16.85	16.82	18	0
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	16.76	16.74	16.89		
3	QPSK	1	8	16.74	16.76	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	16.88		
3	QPSK	15	0	16.79	16.82	16.90		
3	16QAM	1	0	16.47	16.87	16.56		
3	16QAM	1	8	16.47	16.47	16.40	18	0
3	16QAM	1	14	16.37	16.58	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	26683	Tune-up limit (dBm)	MPR (dB)
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		
1.4	QPSK	1	5	16.71	16.66	16.73	18	0
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	16.50	16.28		
1.4	16QAM	6	0	16.49	16.46	16.55	18	0
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	18	0
1.4	64QAM	3	0	16.46	16.58	16.29		
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 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		15.13			
10	QPSK	1	25		15.11		16	0
10	QPSK	1	49		14.98			
10	QPSK	25	0		15.11			
10	QPSK	25	12		15.10		16	0
10	QPSK	25	25		15.09			
10	QPSK	50	0		14.92			
10	16QAM	1	0		14.67			
10	16QAM	1	25		14.76		16	0
10	16QAM	1	49		15.04			
10	16QAM	25	0		14.62			
10	16QAM	25	12		14.67		16	0
10	16QAM	25	25		14.76			
10	16QAM	50	0		14.71			
10	64QAM	1	0		15.01			
10	64QAM	1	25		14.76		16	0
10	64QAM	1	49		14.69			
10	64QAM	25	0		14.75			
10	64QAM	25	12		14.86		16	0
10	64QAM	25	25		14.76			
10	64QAM	50	0		14.63			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	14.98	14.79	14.99		
5	QPSK	1	12	14.75	14.68	14.73	16	0
5	QPSK	1	24	14.66	14.92	14.65		
5	QPSK	12	0	14.83	14.74	14.75		
5	QPSK	12	7	14.82	14.80	14.79	16	0
5	QPSK	12	13	14.78	14.75	14.73		
5	QPSK	25	0	14.73	14.74	14.73		
5	16QAM	1	0	14.90	14.90	14.99		
5	16QAM	1	12	15.00	14.98	15.04	16	0
5	16QAM	1	24	15.05	14.95	14.94		
5	16QAM	12	0	14.67	14.62	14.72		
5	16QAM	12	7	14.75	14.81	14.77	16	0
5	16QAM	12	13	14.72	14.76	14.75		
5	16QAM	25	0	14.78	14.74	14.78		
5	64QAM	1	0	15.00	15.02	15.11		
5	64QAM	1	12	15.08	15.12	15.09	16	0
5	64QAM	1	24	14.91	14.98	14.92		
5	64QAM	12	0	14.87	14.72	14.81		
5	64QAM	12	7	14.86	14.87	14.92	16	0
5	64QAM	12	13	14.90	14.69	14.74		
5	64QAM	25	0	14.76	14.73	14.74		

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		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	18.11	18.15	18.02		
20	QPSK	1	49	18.01	17.91	18.06	19	0
20	QPSK	1	99	18.09	18.09	17.96		
20	QPSK	50	0	18.00	18.11	18.10		
20	QPSK	50	24	18.04	18.05	18.01	19	0
20	QPSK	50	50	18.00	18.02	18.02		
20	QPSK	100	0	17.99	18.04	17.96		
20	16QAM	1	0	18.05	17.86	18.09		
20	16QAM	1	49	17.80	18.01	17.86	19	0
20	16QAM	1	99	17.89	17.73	17.68		
20	16QAM	50	0	17.81	17.82	17.86		
20	16QAM	50	24	17.85	17.92	17.85	19	0
20	16QAM	50	50	17.80	17.80	17.93		
20	16QAM	100	0	17.81	17.80	17.83		
20	64QAM	1	0	17.91	17.56	17.79		
20	64QAM	1	49	17.71	17.75	17.91	19	0
20	64QAM	1	99	18.02	17.90	17.78		
20	64QAM	50	0	17.82	17.82	17.80		
20	64QAM	50	24	17.61	17.91	17.74	19	0
20	64QAM	50	50	17.82	17.85	17.91		
20	64QAM	100	0	17.80	17.73	17.86		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	17.88	17.94	17.98		
15	QPSK	1	37	18.09	18.05	18.01	19	0
15	QPSK	1	74	18.04	17.80	18.10		
15	QPSK	36	0	18.06	17.94	18.00		
15	QPSK	36	20	18.14	18.09	18.01	19	0
15	QPSK	36	39	17.97	18.01	18.11		
15	QPSK	75	0	18.09	18.10	18.02		
15	16QAM	1	0	17.84	17.80	17.93		
15	16QAM	1	37	18.01	17.82	17.86	19	0
15	16QAM	1	74	17.71	17.75	18.02		
15	16QAM	36	0	17.86	17.85	17.74		
15	16QAM	36	20	17.89	17.86	17.97	19	0
15	16QAM	36	39	17.85	17.84	17.90		
15	16QAM	75	0	17.85	17.83	17.89		
15	64QAM	1	0	17.68	17.94	17.62		
15	64QAM	1	37	17.65	17.85	17.83	19	0
15	64QAM	1	74	17.62	17.69	18.01		
15	64QAM	36	0	17.87	17.82	17.88		
15	64QAM	36	20	17.82	17.75	17.94	19	0
15	64QAM	36	39	17.73	17.82	17.93		
15	64QAM	75	0	17.85	17.84	17.95		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	17.70	17.90	17.99		
10	QPSK	1	25	17.95	17.95	17.92	19	0
10	QPSK	1	49	17.96	17.56	17.97		
10	QPSK	25	0	17.93	17.99	17.99		
10	QPSK	25	12	18.00	17.97	17.98	19	0
10	QPSK	25	25	18.00	18.04	18.04		
10	QPSK	50	0	18.04	18.00	18.09		
10	16QAM	1	0	17.70	17.71	17.81		
10	16QAM	1	25	17.47	17.46	17.73	19	0
10	16QAM	1	49	17.61	17.81	17.95		
10	16QAM	25	0	17.75	17.81	17.68		
10	16QAM	25	12	17.82	17.91	17.85	19	0
10	16QAM	25	25	17.81	17.75	17.91		
10	16QAM	50	0	17.75	17.87	17.85		
10	64QAM	1	0	17.31	17.70	17.68		
10	64QAM	1	25	17.59	17.81	17.76	19	0
10	64QAM	1	49	17.75	17.71	17.41		
10	64QAM	25	0	17.64	17.81	17.65		
10	64QAM	25	12	17.69	17.77	17.91	19	0
10	64QAM	25	25	17.75	17.80	17.77		
10	64QAM	50	0	17.73	18.04	17.71		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	17.84	17.81	18.01		
5	QPSK	1	12	17.70	18.05	17.98	19	0
5	QPSK	1	24	17.90	17.88	17.97		
5	QPSK	12	0	17.98	17.97	18.10		
5	QPSK	12	7	17.92	18.02	18.14	19	0
5	QPSK	12	13	18.00	18.02	18.04		
5	QPSK	25	0	18.01	18.00	18.00		
5	16QAM	1	0	17.90	18.02	18.14		
5	16QAM	1	12	18.02	17.89	18.00	19	0
5	16QAM	1	24	17.89	18.08	17.85		
5	16QAM	12	0	17.91	17.91	18.04		
5	16QAM	12	7	17.95	17.97	17.96	19	0
5	16QAM	12	13	17.94	18.03	18.02		
5	16QAM	25	0	17.93	17.99	18.10		
5	64QAM	1	0	18.02	17.83	17.91		
5	64QAM	1	12	18.08	17.81	17.99	19	0
5	64QAM	1	24	17.87	17.98	17.96		
5	64QAM	12	0	17.89	17.99	18.03		
5	64QAM	12	7	18.00	18.00	18.12	19	0
5	64QAM	12	13	18.08	18.03	18.10		
5	64QAM	25	0	17.91	18.02	17.92		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	17.76	17.70	18.00		
3	QPSK	1	8	17.92	17.94	18.01	19	0
3	QPSK	1	14	17.94	17.96	17.87		
3	QPSK	8	0	17.93	17.92	17.97		
3	QPSK	8	4	17.97	17.94	18.06	19	0
3	QPSK	8	7	17.92	17.92	17.97		
3	QPSK	15	0	18.01	18.02	18.00		
3	16QAM	1	0	18.00	17.83	18.00		
3	16QAM	1	8	17.71	17.69	18.02	19	0
3	16QAM	1	14	17.86	18.13	17.88		
3	16QAM	8	0	17.95	17.91	17.94		
3	16QAM	8	4	18.01	17.98	17.99	19	0
3	16QAM	8	7	18.00	18.07	17.99		
3	16QAM	15	0	17.93	17.96	17.98		
3	64QAM	1	0	18.07	18.01	17.89		
3	64QAM	1	8	17.91	17.76	18.07	19	0
3	64QAM	1	14	17.93	17.80	18.00		
3	64QAM	8	0	17.95	17.91	17.98		
3	64QAM	8	4	17.89	17.80	17.98	19	0
3	64QAM	8	7	17.90	18.04	17.98		
3	64QAM	15	0	17.93	17.98	18.02		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	17.85	17.68	17.79		
1.4	QPSK	1	3	18.01	17.73	17.88		
1.4	QPSK	1	5	17.89	17.82	17.80	19	0
1.4	QPSK	3	0	17.80	17.82	17.84		
1.4	QPSK	3	1	17.84	17.92	17.94		
1.4	QPSK	3	3	17.88	17.77	17.81		
1.4	QPSK	6	0	17.89	17.86	17.89	19	0
1.4	16QAM	1	0	17.97	17.91	17.72		
1.4	16QAM	1	3	17.86	17.95	18.01		
1.4	16QAM	1	5	18.02	18.08	17.89	19	0
1.4	16QAM	3	0	17.74	17.75	17.67		
1.4	16QAM	3	1	17.64	17.67	17.69		
1.4	16QAM	3	3	17.69	17.76	17.79		
1.4	16QAM	6	0	17.79	17.79	17.87	19	0
1.4	64QAM	1	0	17.78	17.68	17.52		
1.4	64QAM	1	3	17.97	17.95	17.59		
1.4	64QAM	1	5	17.62	17.53	17.52	19	0
1.4	64QAM	3	0	17.95	17.51	17.51		
1.4	64QAM	3	1	17.61	17.98	17.58		
1.4	64QAM	3	3	17.71	17.79	17.59		
1.4	64QAM	6	0	17.78	17.68	17.61	19	0

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				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	18.06	18.23	18.09	19.5	0
20	QPSK	1	49	17.73	17.97	18.15		
20	QPSK	1	99	17.89	18.12	18.00		
20	QPSK	50	0	17.94	18.07	18.07	19.5	0
20	QPSK	50	24	18.01	18.01	18.09		
20	QPSK	50	50	17.88	18.05	18.13		
20	QPSK	100	0	18.03	17.99	18.12		
20	16QAM	1	0	18.08	18.07	18.03	19.5	0
20	16QAM	1	49	17.86	18.00	17.98		
20	16QAM	1	99	17.90	18.05	18.03		
20	16QAM	50	0	17.74	17.91	17.78	19.5	0
20	16QAM	50	24	17.84	17.86	18.02		
20	16QAM	50	50	17.85	17.94	17.96		
20	16QAM	100	0	17.77	17.92	17.88		
20	64QAM	1	0	17.72	17.75	17.96	19.5	0
20	64QAM	1	49	17.63	17.95	17.82		
20	64QAM	1	99	17.75	17.82	17.95		
20	64QAM	50	0	17.80	17.93	17.95	19.5	0
20	64QAM	50	24	17.91	17.91	17.99		
20	64QAM	50	50	17.77	17.98	17.98		
20	64QAM	100	0	17.88	17.83	17.86		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	17.82	17.97	18.12	19.5	0
15	QPSK	1	37	17.76	17.94	17.96		
15	QPSK	1	74	17.97	18.13	18.10		
15	QPSK	36	0	17.95	17.88	18.00	19.5	0
15	QPSK	36	20	17.94	18.00	17.93		
15	QPSK	36	39	17.96	18.02	18.10		
15	QPSK	75	0	17.89	18.02	18.11		
15	16QAM	1	0	17.87	18.07	18.02	19.5	0
15	16QAM	1	37	17.86	17.91	17.92		
15	16QAM	1	74	17.79	18.06	18.09		
15	16QAM	36	0	17.62	17.78	17.87	19.5	0
15	16QAM	36	20	17.85	17.84	18.00		
15	16QAM	36	39	17.76	17.80	17.92		
15	16QAM	75	0	17.79	17.83	17.99		
15	64QAM	1	0	17.57	17.71	17.81	19.5	0
15	64QAM	1	37	17.59	17.92	17.98		
15	64QAM	1	74	17.73	17.65	17.81		
15	64QAM	36	0	17.99	17.89	17.87	19.5	0
15	64QAM	36	20	17.79	17.94	18.08		
15	64QAM	36	39	17.82	17.91	18.18		
15	64QAM	75	0	17.82	17.90	18.06		
Channel				37800	38000	38200	Tune-up limit	MPR
Frequency (MHz)				2572	2595	2618	(dBm)	(dB)
10	QPSK	1	0	17.82	18.18	18.15	19.5	0
10	QPSK	1	25	18.01	18.12	18.14		
10	QPSK	1	49	17.99	18.06	18.17		
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	17.90	17.96	18.12		
10	16QAM	1	0	17.87	18.07	18.13	19.5	0
10	16QAM	1	25	18.06	17.99	18.19		
10	16QAM	1	49	17.89	17.90	18.09		
10	16QAM	25	0	17.98	18.08	18.02	19.5	0
10	16QAM	25	12	17.90	17.97	18.10		
10	16QAM	25	25	17.73	18.08	18.14		
10	16QAM	50	0	17.85	17.96	18.15		
10	64QAM	1	0	18.05	18.05	17.97	19.5	0
10	64QAM	1	25	17.78	17.98	17.96		
10	64QAM	1	49	17.77	18.11	17.87		
10	64QAM	25	0	18.04	18.11	18.17	19.5	0
10	64QAM	25	12	18.03	18.11	18.16		
10	64QAM	25	25	18.03	17.97	18.20		
10	64QAM	50	0	17.92	18.02	18.12		
Channel				37775	38000	38225	Tune-up limit	MPR
Frequency (MHz)				2572.5	2595	2617.5	(dBm)	(dB)
5	QPSK	1	0	18.06	18.10	18.22	19.5	0
5	QPSK	1	12	17.97	18.04	18.15		
5	QPSK	1	24	17.95	18.13	18.21		
5	QPSK	12	0	18.05	18.13	18.21	19.5	0
5	QPSK	12	7	18.11	18.18	18.12		
5	QPSK	12	13	18.02	18.22	18.11		
5	QPSK	25	0	18.09	18.04	18.12		
5	16QAM	1	0	18.00	18.11	18.16	19.5	0
5	16QAM	1	12	18.05	18.18	17.89		
5	16QAM	1	24	17.92	18.20	18.15		
5	16QAM	12	0	17.85	17.93	18.11	19.5	0
5	16QAM	12	7	17.90	18.00	18.14		
5	16QAM	12	13	17.83	18.05	18.07		
5	16QAM	25	0	17.89	17.90	18.16		
5	64QAM	1	0	17.62	17.70	17.86	19.5	0
5	64QAM	1	12	17.57	17.55	17.69		
5	64QAM	1	24	17.89	17.76	17.84		
5	64QAM	12	0	17.94	18.04	18.20	19.5	0
5	64QAM	12	7	18.00	18.07	18.12		
5	64QAM	12	13	17.98	18.07	18.14		
5	64QAM	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 Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.30	18.14	18.39	18.13	18.33	19.5	0
20	QPSK	1	49	18.00	17.92	17.92	18.11	18.09		
20	QPSK	1	99	18.00	17.94	17.96	18.19	18.23		
20	QPSK	50	0	18.12	18.09	18.34	18.11	18.13	19.5	0
20	QPSK	50	24	18.14	18.22	18.23	18.13	18.28		
20	QPSK	50	50	18.18	18.04	18.13	18.12	18.33		
20	QPSK	100	0	18.18	18.15	18.30	18.22	18.29		
20	16QAM	1	0	18.07	18.15	18.28	18.31	18.16	19.5	0
20	16QAM	1	49	18.01	18.10	18.00	18.06	17.94		
20	16QAM	1	99	18.17	18.11	18.04	18.13	18.28		
20	16QAM	50	0	17.92	18.09	18.05	18.15	18.22	19.5	0
20	16QAM	50	24	18.21	18.12	18.03	18.26	18.17		
20	16QAM	50	50	18.22	18.13	17.98	18.05	18.01		
20	16QAM	100	0	17.98	18.04	18.13	18.18	18.25		
20	64QAM	1	0	17.90	17.84	17.97	18.08	17.91	19.5	0
20	64QAM	1	49	17.73	17.77	18.00	17.94	17.61		
20	64QAM	1	99	18.02	17.86	17.83	18.06	17.89		
20	64QAM	50	0	17.94	18.13	18.06	18.21	18.06	19.5	0
20	64QAM	50	24	17.98	18.02	18.10	18.20	18.29		
20	64QAM	50	50	18.01	17.96	18.13	18.05	18.02		
20	64QAM	100	0	17.95	18.11	18.05	18.16	18.01		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.11	18.04	18.07	18.20	18.34	19.5	0
15	QPSK	1	37	17.98	18.09	17.86	18.07	18.21		
15	QPSK	1	74	17.92	18.10	18.20	18.33	18.31		
15	QPSK	36	0	17.95	18.04	17.98	18.26	18.33	19.5	0
15	QPSK	36	20	17.93	18.14	18.06	18.21	18.27		
15	QPSK	36	39	17.95	18.13	18.06	18.17	18.13		
15	QPSK	75	0	17.96	18.06	18.15	18.34	18.37		
15	16QAM	1	0	17.87	18.05	18.00	18.09	18.15	19.5	0
15	16QAM	1	37	17.79	17.89	17.95	17.96	18.09		
15	16QAM	1	74	17.92	18.13	18.14	18.15	18.16		
15	16QAM	36	0	17.89	18.05	18.11	17.96	18.18	19.5	0
15	16QAM	36	20	17.87	18.00	17.94	18.10	18.10		
15	16QAM	36	39	17.96	18.00	17.98	18.00	18.00		
15	16QAM	75	0	17.96	18.07	18.09	18.10	18.07		
15	64QAM	1	0	18.07	18.02	18.06	18.18	18.02	19.5	0
15	64QAM	1	37	18.32	17.88	18.01	17.98	18.10		
15	64QAM	1	74	17.98	17.98	18.10	18.17	18.13		
15	64QAM	36	0	17.91	18.11	17.95	18.11	17.99	19.5	0
15	64QAM	36	20	18.00	18.14	18.15	18.04	18.18		
15	64QAM	36	39	18.11	18.02	17.97	18.15	18.24		
15	64QAM	75	0	18.01	18.18	18.05	18.17	18.01		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	17.94	17.93	17.93	17.91	18.21	19.5	0
10	QPSK	1	25	18.09	17.94	17.94	18.12	18.06		
10	QPSK	1	49	17.89	17.77	17.80	18.25	18.07		
10	QPSK	25	0	17.87	18.08	18.01	18.24	18.27	19.5	0
10	QPSK	25	12	17.94	18.09	18.07	18.18	18.26		
10	QPSK	25	25	17.81	17.96	18.17	18.29	18.30		
10	QPSK	50	0	17.95	17.96	18.21	18.23	18.29		
10	16QAM	1	0	18.03	18.23	18.31	18.21	18.16	19.5	0
10	16QAM	1	25	17.91	18.16	17.97	18.18	18.27		
10	16QAM	1	49	18.02	17.89	18.13	18.24	18.34		
10	16QAM	25	0	17.94	18.07	17.93	18.24	18.21	19.5	0
10	16QAM	25	12	17.97	18.09	18.08	18.26	18.26		
10	16QAM	25	25	17.87	17.93	17.96	18.22	18.33		
10	16QAM	50	0	18.05	18.21	18.10	18.34	18.24		
10	64QAM	1	0	17.69	17.68	17.94	18.09	17.94	19.5	0
10	64QAM	1	25	17.99	17.92	17.95	17.87	17.87		
10	64QAM	1	49	17.64	17.63	18.11	17.98	17.85		
10	64QAM	25	0	17.97	17.99	18.06	18.12	18.11	19.5	0
10	64QAM	25	12	17.97	18.19	18.14	18.12	18.12		
10	64QAM	25	25	18.01	17.99	18.08	17.80	18.30		
10	64QAM	50	0	18.08	18.10	18.11	18.24	18.20		
Channel				39675	40148	40620	41093	41565	Tune-up limit	MPR
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	(dBm)	(dB)
5	QPSK	1	0	17.77	18.01	17.96	18.23	18.11	19.5	0
5	QPSK	1	12	17.82	17.97	18.10	18.06	18.19		
5	QPSK	1	24	17.92	17.85	18.09	18.22	18.13		
5	QPSK	12	0	17.96	18.03	18.10	18.24	18.13	19.5	0
5	QPSK	12	7	17.79	18.19	17.98	18.15	18.12		
5	QPSK	12	13	18.01	17.96	18.06	18.26	18.20		
5	QPSK	25	0	17.86	18.05	17.99	18.25	18.11		
5	16QAM	1	0	17.91	18.29	18.02	18.34	18.36	19.5	0
5	16QAM	1	12	18.10	18.11	18.33	18.27	18.25		
5	16QAM	1	24	17.92	18.00	18.09	18.13	18.31		
5	16QAM	12	0	17.86	18.01	17.97	18.14	18.14	19.5	0
5	16QAM	12	7	17.93	18.12	18.06	18.29	18.23		
5	16QAM	12	13	17.86	17.97	18.11	18.27	18.14		
5	16QAM	25	0	17.98	17.97	17.93	18.23	18.27		
5	64QAM	1	0	18.02	17.98	17.68	18.10	17.99	19.5	0
5	64QAM	1	12	17.97	17.85	17.86	18.01	17.91		
5	64QAM	1	24	17.97	17.68	17.71	17.92	18.00		
5	64QAM	12	0	18.09	18.02	18.21	18.34	18.19	19.5	0
5	64QAM	12	7	18.22	18.04	18.17	18.12	18.28		
5	64QAM	12	13	17.94	18.11	18.12	18.21	18.35		
5	64QAM	25	0	17.93	18.11	18.06	18.32	18.32		

Band 41 (2.6G Band)HPUE

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.33	18.24	18.40	18.20	18.32	19.5	0
20	QPSK	1	49	18.10	17.96	17.98	18.18	18.14		
20	QPSK	1	99	17.95	17.96	18.06	18.24	18.34		
20	QPSK	50	0	18.16	18.20	18.39	18.32	18.32	19.5	0
20	QPSK	50	24	18.13	18.19	18.24	18.33	18.23		
20	QPSK	50	50	18.15	18.14	18.21	18.38	18.30		
20	QPSK	100	0	18.15	18.17	18.37	18.30	18.36		
20	16QAM	1	0	17.89	17.97	18.07	18.24	18.23	19.5	0
20	16QAM	1	49	17.94	17.95	17.83	18.01	17.94		
20	16QAM	1	99	17.99	17.84	17.98	18.06	18.21		
20	16QAM	50	0	17.78	17.93	17.93	18.16	18.23	19.5	0
20	16QAM	50	24	18.00	17.98	17.98	18.25	18.16		
20	16QAM	50	50	18.04	17.96	17.90	18.13	18.11		
20	16QAM	100	0	17.82	18.00	18.00	18.17	18.21		
20	64QAM	1	0	17.81	17.82	18.01	18.13	18.10	19.5	0
20	64QAM	1	49	17.72	17.75	18.04	18.00	17.73		
20	64QAM	1	99	17.72	17.80	17.86	18.16	18.03		
20	64QAM	50	0	17.88	17.96	17.96	18.11	18.09	19.5	0
20	64QAM	50	24	17.86	17.94	17.98	18.16	18.19		
20	64QAM	50	50	17.88	17.86	17.95	18.08	18.07		
20	64QAM	100	0	17.80	17.96	17.99	18.10	18.08		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	(dBm)	(dB)
15	QPSK	1	0	17.82	18.00	18.19	18.17	18.29	19.5	0
15	QPSK	1	37	17.86	18.02	17.89	18.02	18.13		
15	QPSK	1	74	17.84	18.04	18.15	18.26	18.28		
15	QPSK	36	0	18.01	18.14	18.07	18.35	18.25	19.5	0
15	QPSK	36	20	18.01	18.18	18.18	18.31	18.29		
15	QPSK	36	39	18.03	18.11	18.07	18.27	18.33		
15	QPSK	75	0	17.81	17.91	17.88	18.11	18.05		
15	16QAM	1	0	17.79	18.01	17.95	18.18	18.13	19.5	0
15	16QAM	1	37	17.69	17.76	17.78	18.06	18.01		
15	16QAM	1	74	17.89	17.92	17.96	18.18	18.19		
15	16QAM	36	0	17.74	17.92	17.89	18.05	18.10	19.5	0
15	16QAM	36	20	17.77	17.88	17.89	18.10	18.04		
15	16QAM	36	39	17.71	17.89	17.94	18.07	18.06		
15	16QAM	75	0	17.79	17.91	17.94	18.13	18.11		
15	64QAM	1	0	17.81	17.88	17.76	18.02	17.99	19.5	0
15	64QAM	1	37	18.04	17.73	17.88	17.96	18.03		
15	64QAM	1	74	17.75	17.75	17.90	18.10	17.99		
15	64QAM	36	0	17.72	17.95	17.87	18.13	18.00	19.5	0
15	64QAM	36	20	17.85	17.97	17.96	18.09	18.10		
15	64QAM	36	39	17.69	17.90	17.89	18.06	18.14		
15	64QAM	75	0	17.87	18.02	17.95	18.19	18.07		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	18.15	18.09	18.26	18.23	18.37	19.5	0
10	QPSK	1	25	17.98	18.12	18.18	18.37	18.32		
10	QPSK	1	49	18.19	18.08	18.05	18.21	18.22		
10	QPSK	25	0	17.93	18.09	18.03	18.27	18.26	19.5	0
10	QPSK	25	12	17.90	18.06	18.13	18.24	18.23		
10	QPSK	25	25	17.87	18.01	18.15	18.25	18.26		
10	QPSK	50	0	17.89	18.04	18.15	18.26	18.27		
10	16QAM	1	0	18.03	18.17	18.23	18.28	18.18	19.5	0
10	16QAM	1	25	17.98	18.10	18.07	18.19	18.36		
10	16QAM	1	49	17.90	17.92	18.13	18.20	18.25		
10	16QAM	25	0	17.94	18.08	17.98	18.17	18.25	19.5	0
10	16QAM	25	12	17.96	18.16	18.17	18.21	18.33		
10	16QAM	25	25	17.95	17.93	18.02	18.27	18.30		
10	16QAM	50	0	18.03	18.18	18.03	18.29	18.25	19.5	0
10	64QAM	1	0	17.72	17.71	17.84	18.10	17.97		
10	64QAM	1	25	18.04	17.81	18.04	17.91	17.86		
10	64QAM	1	49	17.67	17.62	18.04	18.02	17.88		
10	64QAM	25	0	17.94	18.08	18.04	18.31	18.35	19.5	0
10	64QAM	25	12	17.97	18.15	18.22	18.36	18.35		
10	64QAM	25	25	17.96	18.04	18.15	17.86	18.27		
10	64QAM	50	0	18.04	18.05	18.14	18.34	18.24		
Channel				39675	40148	40620	41093	41565	Tune-up limit	MPR
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	(dBm)	(dB)
5	QPSK	1	0	17.85	18.00	17.97	18.19	18.11	19.5	0
5	QPSK	1	12	17.79	17.89	18.06	18.14	18.15		
5	QPSK	1	24	17.84	17.89	18.01	18.18	18.18		
5	QPSK	12	0	17.91	18.09	18.07	18.30	18.18	19.5	0
5	QPSK	12	7	17.86	18.09	18.02	18.19	18.21		
5	QPSK	12	13	18.00	18.05	18.08	18.29	18.24		
5	QPSK	25	0	17.95	18.08	18.03	18.24	18.21	19.5	0
5	16QAM	1	0	17.96	18.30	17.99	18.26	18.27		
5	16QAM	1	12	18.04	18.11	18.26	18.34	18.33		
5	16QAM	1	24	18.00	18.05	18.18	18.32	18.29		
5	16QAM	12	0	17.84	18.07	18.05	18.18	18.20	19.5	0
5	16QAM	12	7	17.99	18.13	18.02	18.23	18.25		
5	16QAM	12	13	17.90	17.97	18.05	18.20	18.18		
5	16QAM	25	0	17.96	18.06	18.02	18.26	18.27		
5	64QAM	1	0	17.64	17.68	17.73	18.01	17.97	19.5	0
5	64QAM	1	12	17.90	17.77	17.78	17.98	17.91		
5	64QAM	1	24	18.05	17.67	17.81	17.99	17.92		
5	64QAM	12	0	17.99	18.07	18.13	18.31	18.28	19.5	0
5	64QAM	12	7	18.04	18.13	18.09	17.98	18.38		
5	64QAM	12	13	17.91	18.11	18.06	18.33	18.27		
5	64QAM	25	0	17.99	18.12	18.08	18.38	18.27		

Reduced power Mode for Hotspot On for ANT1

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	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 slots	21.92	22.07	22.25	23.50	15.92	16.07	16.25	17.50
GPRS 3 Tx slots	20.77	20.82	21.11	22.00	16.51	16.56	16.85	17.74
GPRS 4 Tx slots	18.66	18.98	19.03	20.00	15.66	15.98	16.03	17.00
EDGE 1 Tx slot	19.97	19.99	19.91	21.00	10.97	10.99	10.91	12.00
EDGE 2 Tx slots	18.66	18.62	18.70	19.50	12.66	12.62	12.70	13.50
EDGE 3 Tx slots	17.52	17.52	17.55	18.50	13.26	13.26	13.29	14.24
EDGE 4 Tx slots	15.43	15.52	15.88	16.50	12.43	12.52	12.88	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	1638	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	16.00
3GPP Rel 99	RMC 12.2Kbps	16.17	16.32	16.29	17.50	14.56	14.73	14.61	16.00
3GPP Rel 6	HSDPA Subtest-1	15.64	15.65	15.69	16.50	14.16	14.23	14.31	15.00
3GPP Rel 6	HSDPA Subtest-2	15.69	15.61	15.67	16.50	14.21	14.20	14.32	15.00
3GPP Rel 6	HSDPA Subtest-3	15.35	15.31	15.22	16.00	13.87	13.84	13.82	14.50
3GPP Rel 6	HSDPA Subtest-4	15.32	15.28	15.24	16.00	13.84	13.83	13.91	14.50
3GPP Rel 8	DC-HSDPA Subtest-1	15.63	15.70	15.60	16.50	14.15	14.23	14.32	15.00
3GPP Rel 8	DC-HSDPA Subtest-2	15.69	15.53	15.67	16.50	14.21	14.15	14.27	15.00
3GPP Rel 8	DC-HSDPA Subtest-3	15.35	15.31	15.22	16.00	13.88	13.84	13.82	14.50
3GPP Rel 8	DC-HSDPA Subtest-4	15.32	15.26	15.24	16.00	13.91	13.83	13.84	14.50
3GPP Rel 6	HSUPA Subtest-1	15.95	15.82	15.77	16.50	14.52	14.35	14.37	15.00
3GPP Rel 6	HSUPA Subtest-2	13.96	14.08	13.73	14.50	12.50	12.33	12.51	13.00
3GPP Rel 6	HSUPA Subtest-3	14.94	14.86	14.72	15.50	13.46	13.44	13.32	14.00
3GPP Rel 6	HSUPA Subtest-4	13.97	13.89	13.76	14.50	12.51	12.42	12.53	13.00
3GPP Rel 6	HSUPA Subtest-5	15.92	15.92	15.72	16.50	14.40	14.40	14.30	15.00

Band	CDMA BC1			Tune-up Limit (dBm)
TX Channel	25	600	1175	
Frequency (MHz)	1851.25	1880	1908.75	
RC1 SO55	15.09	15.23	15.14	17.00
RC3 SO55	15.12	15.21	15.16	17.00
RC3 SO32 (F+SCH)	15.33	15.38	15.38	17.00
RC3 SO32 (+SCH)	15.23	15.30	15.23	17.00
RTAP 153.6Kbps	15.18	15.38	15.23	17.00
RETAP 4096Bits	15.13	15.32	15.27	17.00

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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	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	14.96	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	15.19	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				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
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	14.81	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	14.82	14.88	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	14.85	14.95	14.89		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
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	14.94		
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				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
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				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
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	15.18	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	15.18		
3	64QAM	15	0	15.22	15.24	15.12		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	15.15	15.09	14.77		
1.4	QPSK	1	3	15.16	14.99	14.78		
1.4	QPSK	1	5	15.07	14.95	14.74	16.5	0
1.4	QPSK	3	0	15.09	14.96	14.79		
1.4	QPSK	3	1	15.09	15.05	14.85		
1.4	QPSK	3	3	15.14	14.99	14.70		
1.4	QPSK	6	0	15.19	15.07	14.81	16.5	0
1.4	16QAM	1	0	15.02	15.04	15.24		
1.4	16QAM	1	3	15.24	15.13	14.95		
1.4	16QAM	1	5	14.99	15.06	15.35	16.5	0
1.4	16QAM	3	0	15.17	15.09	14.88		
1.4	16QAM	3	1	15.26	15.01	14.81		
1.4	16QAM	3	3	15.14	15.02	14.84		
1.4	16QAM	6	0	15.31	15.17	14.94	16.5	0
1.4	64QAM	1	0	14.99	15.21	15.04		
1.4	64QAM	1	3	15.04	14.79	14.84		
1.4	64QAM	1	5	15.14	14.84	15.16	16.5	0
1.4	64QAM	3	0	15.09	14.94	15.17		
1.4	64QAM	3	1	14.84	14.88	14.74		
1.4	64QAM	3	3	15.10	15.21	14.78		
1.4	64QAM	6	0	15.19	14.81	14.93	16.5	0

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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
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	15.38	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	64QAM	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	15.33	15.33		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	15.10	15.43	15.34		
15	QPSK	1	37	15.09	15.43	15.10	17	0
15	QPSK	1	74	15.02	15.07	15.06		
15	QPSK	36	0	15.17	15.18	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		
15	16QAM	1	37	15.06	15.24	15.15	17	0
15	16QAM	1	74	15.08	15.14	15.32		
15	16QAM	36	0	15.24	15.19	15.35		
15	16QAM	36	20	15.22	15.28	15.41	17	0
15	16QAM	36	39	15.26	15.27	15.06		
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	15.18	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				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	15.19	15.29	15.28		
10	QPSK	1	25	15.01	15.30	15.37	17	0
10	QPSK	1	49	15.33	15.41	15.07		
10	QPSK	25	0	15.38	15.38	15.39		
10	QPSK	25	12	15.32	15.36	15.43	17	0
10	QPSK	25	25	15.35	15.41	15.08		
10	QPSK	50	0	15.41	15.23	15.43		
10	16QAM	1	0	15.06	15.38	15.42		
10	16QAM	1	25	15.19	15.41	15.14	17	0
10	16QAM	1	49	15.17	15.48	15.36		
10	16QAM	25	0	15.35	15.22	15.06		
10	16QAM	25	12	15.19	15.32	15.38	17	0
10	16QAM	25	25	15.38	15.18	15.22		
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	15.22	15.21	15.22		
10	64QAM	25	0	15.21	15.23	15.28		
10	64QAM	25	12	15.14	15.15	15.33	17	0
10	64QAM	25	25	15.16	15.24	15.22		
10	64QAM	50	0	15.22	15.25	15.14		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	15.34	15.22	15.45		
5	QPSK	1	12	15.47	15.35	15.44	17	0
5	QPSK	1	24	15.26	15.49	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		
5	16QAM	1	12	15.19	15.42	15.06	17	0
5	16QAM	1	24	15.25	15.49	15.40		
5	16QAM	12	0	15.35	15.44	15.43		
5	16QAM	12	7	15.37	15.32	15.49	17	0
5	16QAM	12	13	15.32	15.36	15.12		
5	16QAM	25	0	15.45	15.31	15.08		
5	64QAM	1	0	15.25	15.29	15.32		
5	64QAM	1	12	15.14	15.16	15.02	17	0
5	64QAM	1	24	15.14	15.04	15.29		
5	64QAM	12	0	15.21	15.15	15.02		
5	64QAM	12	7	15.33	15.14	15.27	17	0
5	64QAM	12	13	15.15	15.07	15.32		
5	64QAM	25	0	15.17	15.10	15.30		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	15.30	15.24	15.06		
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		
3	QPSK	8	4	15.35	15.42	15.07	17	0
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		
3	16QAM	1	8	15.29	15.17	15.12	17	0
3	16QAM	1	14	15.37	15.42	15.41		
3	16QAM	8	0	15.25	15.17	15.31		
3	16QAM	8	4	15.22	15.16	15.32	17	0
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		
3	64QAM	1	8	15.11	15.10	15.09	17	0
3	64QAM	1	14	15.11	15.09	15.27		
3	64QAM	8	0	15.35	15.31	15.44		
3	64QAM	8	4	15.17	15.43	15.07	17	0
3	64QAM	8	7	15.38	15.22	15.12		
3	64QAM	15	0	15.44	15.29	15.19		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	15.01	15.16	15.18		
1.4	QPSK	1	3	15.19	15.19	15.26		
1.4	QPSK	1	5	15.03	15.04	15.17	17	0
1.4	QPSK	3	0	15.18	15.08	15.28		
1.4	QPSK	3	1	15.16	15.19	15.38		
1.4	QPSK	3	3	15.17	15.12	15.20		
1.4	QPSK	6	0	15.19	15.17	15.28	17	0
1.4	16QAM	1	0	15.18	15.38	15.35		
1.4	16QAM	1	3	15.24	15.42	15.18		
1.4	16QAM	1	5	15.43	15.41	15.48	17	0
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		
1.4	16QAM	6	0	15.40	15.38	15.28	17	0
1.4	64QAM	1	0	15.10	15.11	15.25		
1.4	64QAM	1	3	15.33	15.12	15.21		
1.4	64QAM	1	5	15.21	15.23	15.01	17	0
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 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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	14.02	14.20	14.00		
20	QPSK	1	49	14.19	14.12	14.03	15	0
20	QPSK	1	99	13.96	13.98	13.88		
20	QPSK	50	0	14.13	14.19	14.12		
20	QPSK	50	24	14.12	14.13	14.15	15	0
20	QPSK	50	50	14.05	14.16	14.00		
20	QPSK	100	0	14.11	14.12	14.04		
20	16QAM	1	0	14.05	14.05	14.03		
20	16QAM	1	49	13.67	13.85	14.01	15	0
20	16QAM	1	99	14.02	13.93	13.79		
20	16QAM	50	0	13.85	13.97	13.96		
20	16QAM	50	24	13.89	13.98	13.87	15	0
20	16QAM	50	50	13.85	13.90	13.83		
20	16QAM	100	0	13.97	13.88	13.90		
20	64QAM	1	0	13.88	13.87	13.87		
20	64QAM	1	49	14.07	14.09	14.04	15	0
20	64QAM	1	99	14.02	14.02	13.87		
20	64QAM	50	0	13.87	13.99	13.97		
20	64QAM	50	24	13.83	14.02	13.93	15	0
20	64QAM	50	50	13.87	13.93	13.86		
20	64QAM	100	0	13.82	13.93	13.90		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	13.70	13.84	13.69		
15	QPSK	1	37	13.82	13.87	13.69	15	0
15	QPSK	1	74	13.62	13.84	13.73		
15	QPSK	36	0	13.89	13.93	13.93		
15	QPSK	36	20	13.92	13.93	13.86	15	0
15	QPSK	36	39	13.92	13.94	13.84		
15	QPSK	75	0	13.89	13.95	13.91		
15	16QAM	1	0	13.96	14.02	14.00		
15	16QAM	1	37	13.98	13.97	13.90	15	0
15	16QAM	1	74	13.99	14.02	14.00		
15	16QAM	36	0	13.87	13.95	13.91		
15	16QAM	36	20	13.88	13.99	13.85	15	0
15	16QAM	36	39	13.93	13.94	13.82		
15	16QAM	75	0	13.88	13.89	13.83		
15	64QAM	1	0	13.82	13.90	14.00		
15	64QAM	1	37	13.89	13.78	13.77	15	0
15	64QAM	1	74	13.97	13.92	13.85		
15	64QAM	36	0	13.90	14.00	13.96		
15	64QAM	36	20	13.97	13.98	13.92	15	0
15	64QAM	36	39	13.96	13.99	13.87		
15	64QAM	75	0	13.96	13.99	13.84		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	13.88	14.05	14.03		
10	QPSK	1	25	14.02	14.16	14.07	15	0
10	QPSK	1	49	13.89	13.94	13.99		
10	QPSK	25	0	14.02	14.10	14.09		
10	QPSK	25	12	14.04	14.09	14.04	15	0
10	QPSK	25	25	14.02	14.06	13.99		
10	QPSK	50	0	14.00	13.95	14.01		
10	16QAM	1	0	14.10	14.02	14.11		
10	16QAM	1	25	13.90	14.12	14.14	15	0
10	16QAM	1	49	14.10	14.02	14.12		
10	16QAM	25	0	14.00	14.01	14.05		
10	16QAM	25	12	14.03	14.13	14.08	15	0
10	16QAM	25	25	14.04	14.11	13.87		
10	16QAM	50	0	14.00	14.02	14.03		
10	64QAM	1	0	14.13	14.15	14.13		
10	64QAM	1	25	14.10	14.02	14.15	15	0
10	64QAM	1	49	14.08	14.04	14.10		
10	64QAM	25	0	14.02	14.02	14.07		
10	64QAM	25	12	14.06	14.17	14.11	15	0
10	64QAM	25	25	14.04	13.96	14.07		
10	64QAM	50	0	14.11	14.08	14.08		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	14.13	14.06	14.00		
5	QPSK	1	12	14.10	14.13	14.13	15	0
5	QPSK	1	24	14.12	14.10	14.12		
5	QPSK	12	0	14.19	14.11	14.10		
5	QPSK	12	7	14.10	14.01	14.02	15	0
5	QPSK	12	13	14.02	14.12	14.11		
5	QPSK	25	0	14.17	14.12	14.11		
5	16QAM	1	0	14.00	14.01	14.18		
5	16QAM	1	12	14.01	14.01	13.88	15	0
5	16QAM	1	24	14.02	14.02	14.01		
5	16QAM	12	0	13.94	13.93	13.92		
5	16QAM	12	7	14.01	14.09	14.00	15	0
5	16QAM	12	13	14.04	14.18	14.09		
5	16QAM	25	0	13.99	14.00	13.88		
5	64QAM	1	0	13.99	13.96	13.94		
5	64QAM	1	12	14.10	13.88	14.00	15	0
5	64QAM	1	24	13.95	14.02	14.09		
5	64QAM	12	0	14.05	13.99	13.97		
5	64QAM	12	7	14.03	14.14	14.01	15	0
5	64QAM	12	13	14.03	14.10	14.19		
5	64QAM	25	0	14.06	14.08	13.99		

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	15.67	15.95	15.78	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	16.5	0
20	QPSK	50	24	15.83	15.76	15.83		
20	QPSK	50	50	15.65	15.72	15.90		
20	QPSK	100	0	15.65	15.80	15.79		
20	16QAM	1	0	15.72	15.87	15.69	16.5	0
20	16QAM	1	49	15.81	15.91	15.72		
20	16QAM	1	99	15.85	15.50	15.63		
20	16QAM	50	0	15.59	15.56	15.65	16.5	0
20	16QAM	50	24	15.58	15.57	15.75		
20	16QAM	50	50	15.50	15.69	15.79		
20	16QAM	100	0	15.58	15.53	15.50		
20	64QAM	1	0	15.78	15.68	15.93	16.5	0
20	64QAM	1	49	15.48	15.91	15.59		
20	64QAM	1	99	15.61	15.64	15.46		
20	64QAM	50	0	15.46	15.41	15.71	16.5	0
20	64QAM	50	24	15.66	15.50	15.59		
20	64QAM	50	50	15.51	15.64	15.57		
20	64QAM	100	0	15.50	15.46	15.66		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
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	16.5	0
15	QPSK	36	20	15.71	15.75	15.89		
15	QPSK	36	39	15.60	15.69	15.77		
15	QPSK	75	0	15.70	15.67	15.67		
15	16QAM	1	0	15.92	15.61	15.69	16.5	0
15	16QAM	1	37	15.92	15.54	15.55		
15	16QAM	1	74	15.70	15.66	15.51		
15	16QAM	36	0	15.46	15.46	15.54	16.5	0
15	16QAM	36	20	15.57	15.53	15.59		
15	16QAM	36	39	15.51	15.47	15.69		
15	16QAM	75	0	15.48	15.59	15.46		
15	64QAM	1	0	15.41	15.22	15.37	16.5	0
15	64QAM	1	37	15.37	15.33	15.68		
15	64QAM	1	74	15.54	15.21	15.68		
15	64QAM	36	0	15.63	15.38	15.50	16.5	0
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	15.58		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
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	16.5	0
10	QPSK	25	12	15.83	15.90	15.45		
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	16.5	0
10	16QAM	1	25	15.68	15.90	15.92		
10	16QAM	1	49	15.53	15.80	15.56		
10	16QAM	25	0	15.78	15.55	15.61	16.5	0
10	16QAM	25	12	15.62	15.68	15.73		
10	16QAM	25	25	15.57	15.70	15.71		
10	16QAM	50	0	15.67	15.60	15.49		
10	64QAM	1	0	15.54	15.46	15.46	16.5	0
10	64QAM	1	25	15.53	15.60	15.49		
10	64QAM	1	49	15.31	15.56	15.81		
10	64QAM	25	0	15.54	15.53	15.78	16.5	0
10	64QAM	25	12	15.69	15.56	15.50		
10	64QAM	25	25	15.61	15.46	15.81		
10	64QAM	50	0	15.57	15.49	15.61		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
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	16.5	0
5	QPSK	12	7	15.63	15.57	15.73		
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	16.5	0
5	16QAM	1	12	15.12	15.01	15.02		
5	16QAM	1	24	15.01	15.34	15.33		
5	16QAM	12	0	15.75	15.65	15.60	16.5	0
5	16QAM	12	7	15.56	15.61	15.76		
5	16QAM	12	13	15.56	15.61	15.62		
5	16QAM	25	0	15.57	15.73	15.62		
5	64QAM	1	0	15.75	15.42	15.49	16.5	0
5	64QAM	1	12	15.78	15.56	15.54		
5	64QAM	1	24	15.53	15.61	15.59		
5	64QAM	12	0	15.56	15.51	15.75	16.5	0
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		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
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	16.5	0
3	QPSK	8	4	15.66	15.59	15.63		
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	16.5	0
3	16QAM	1	8	15.55	15.54	15.46		
3	16QAM	1	14	15.44	15.29	15.46		
3	16QAM	8	0	15.69	15.66	15.75	16.5	0
3	16QAM	8	4	15.74	15.54	15.75		
3	16QAM	8	7	15.76	15.64	15.80		
3	16QAM	15	0	15.58	15.57	15.65		
3	64QAM	1	0	15.75	15.94	15.88	16.5	0
3	64QAM	1	8	15.90	15.49	15.67		
3	64QAM	1	14	15.53	15.71	15.66		
3	64QAM	8	0	15.77	15.63	15.94	16.5	0
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	15.81		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
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	5	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		
1.4	QPSK	3	3	15.27	15.03	15.12		
1.4	QPSK	6	0	15.56	15.06	15.24	16.5	0
1.4	16QAM	1	0	15.72	15.50	15.30	16.5	0
1.4	16QAM	1	3	15.36	15.44	15.76		
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		
1.4	16QAM	6	0	15.54	15.24	15.36	16.5	0
1.4	64QAM	1	0	15.34	15.39	15.32	16.5	0
1.4	64QAM	1	3	15.32	15.37	15.34		
1.4	64QAM	1	5	15.62	15.42	15.32		
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	15.00	15.11	15.39		
1.4	64QAM	6	0	15.17	15.24	15.10	16.5	0

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		12.86		14	0
10	QPSK	1	25		12.82			
10	QPSK	1	49		12.76			
10	QPSK	25	0		12.74		14	0
10	QPSK	25	12		12.64			
10	QPSK	25	25		12.71			
10	QPSK	50	0		12.56			
10	16QAM	1	0		12.62		14	0
10	16QAM	1	25		12.99			
10	16QAM	1	49		12.99			
10	16QAM	25	0		12.57		14	0
10	16QAM	25	12		12.62			
10	16QAM	25	25		12.71			
10	16QAM	50	0		12.99			
10	64QAM	1	0		12.83		14	0
10	64QAM	1	25		12.71			
10	64QAM	1	49		12.63			
10	64QAM	25	0		12.71		14	0
10	64QAM	25	12		12.81			
10	64QAM	25	25		12.88			
10	64QAM	50	0		12.80			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	12.75	12.87	12.58	14	0
5	QPSK	1	12	12.79	12.91	12.50		
5	QPSK	1	24	12.50	12.50	12.58		
5	QPSK	12	0	12.55	12.56	12.78	14	0
5	QPSK	12	7	12.39	12.57	12.48		
5	QPSK	12	13	12.46	12.65	12.61		
5	QPSK	25	0	12.71	12.61	12.77		
5	16QAM	1	0	12.64	12.53	12.74	14	0
5	16QAM	1	12	12.92	12.90	12.92		
5	16QAM	1	24	12.92	12.80	12.94		
5	16QAM	12	0	12.70	12.55	12.46	14	0
5	16QAM	12	7	12.73	12.49	12.37		
5	16QAM	12	13	12.64	12.55	12.54		
5	16QAM	25	0	12.76	12.58	12.55		
5	64QAM	1	0	12.79	12.70	12.78	14	0
5	64QAM	1	12	13.01	12.65	12.74		
5	64QAM	1	24	12.93	12.61	12.77		
5	64QAM	12	0	12.60	12.53	12.59	14	0
5	64QAM	12	7	12.69	12.47	12.54		
5	64QAM	12	13	12.61	12.58	12.81		
5	64QAM	25	0	12.57	12.55	12.61		

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		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	15.16	15.30	15.18	17	0
20	QPSK	1	49	15.12	15.00	15.07		
20	QPSK	1	99	15.10	15.20	15.01		
20	QPSK	50	0	15.02	15.28	15.25	17	0
20	QPSK	50	24	15.13	15.14	15.27		
20	QPSK	50	50	15.12	15.24	15.23		
20	QPSK	100	0	15.08	15.26	15.20		
20	16QAM	1	0	15.31	15.45	15.35	17	0
20	16QAM	1	49	15.08	15.28	15.36		
20	16QAM	1	99	15.36	15.46	15.52		
20	16QAM	50	0	15.12	15.22	15.21	17	0
20	16QAM	50	24	15.17	15.37	15.24		
20	16QAM	50	50	15.12	15.35	15.36		
20	16QAM	100	0	15.11	15.22	15.20		
20	64QAM	1	0	15.20	15.09	15.48	17	0
20	64QAM	1	49	15.12	15.34	15.14		
20	64QAM	1	99	15.11	15.11	15.03		
20	64QAM	50	0	15.36	15.46	15.33	17	0
20	64QAM	50	24	15.02	15.11	15.18		
20	64QAM	50	50	15.26	15.03	15.34		
20	64QAM	100	0	15.23	15.11	15.20		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	15.25	15.44	15.44	17	0
15	QPSK	1	37	15.33	15.43	15.54		
15	QPSK	1	74	15.32	15.36	15.50		
15	QPSK	36	0	15.32	15.43	15.36	17	0
15	QPSK	36	20	15.39	15.50	15.51		
15	QPSK	36	39	15.31	15.55	15.51		
15	QPSK	75	0	15.37	15.40	15.55		
15	16QAM	1	0	15.34	15.27	15.61	17	0
15	16QAM	1	37	15.46	15.28	15.57		
15	16QAM	1	74	15.27	15.41	15.47		
15	16QAM	36	0	15.17	15.17	15.24	17	0
15	16QAM	36	20	15.24	15.31	15.26		
15	16QAM	36	39	15.19	15.27	15.29		
15	16QAM	75	0	15.13	15.34	15.31		
15	64QAM	1	0	15.16	15.47	15.10	17	0
15	64QAM	1	37	15.32	15.14	15.13		
15	64QAM	1	74	15.29	15.17	15.23		
15	64QAM	36	0	15.23	15.23	15.28	17	0
15	64QAM	36	20	15.17	15.17	15.29		
15	64QAM	36	39	15.06	15.09	15.29		
15	64QAM	75	0	15.17	15.28	15.40		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	15.39	15.24	15.56	17	0
10	QPSK	1	25	15.34	15.48	15.62		
10	QPSK	1	49	15.36	15.54	15.36		
10	QPSK	25	0	15.54	15.54	15.61	17	0
10	QPSK	25	12	15.56	15.67	15.65		
10	QPSK	25	25	15.40	15.65	15.64		
10	QPSK	50	0	15.47	15.68	15.55		
10	16QAM	1	0	15.23	15.23	15.60	17	0
10	16QAM	1	25	15.50	15.25	15.51		
10	16QAM	1	49	15.63	15.32	15.40		
10	16QAM	25	0	15.16	15.11	15.31	17	0
10	16QAM	25	12	15.12	15.25	15.22		
10	16QAM	25	25	15.14	15.12	15.26		
10	16QAM	50	0	15.14	15.29	15.30		
10	64QAM	1	0	15.22	15.25	15.05	17	0
10	64QAM	1	25	15.15	15.08	15.28		
10	64QAM	1	49	15.50	15.25	15.40		
10	64QAM	25	0	15.04	15.13	15.08	17	0
10	64QAM	25	12	15.09	15.21	15.15		
10	64QAM	25	25	15.12	15.15	15.22		
10	64QAM	50	0	15.09	15.22	15.24		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	15.32	15.33	15.62	17	0
5	QPSK	1	12	15.28	15.34	15.46		
5	QPSK	1	24	15.52	15.51	15.59		
5	QPSK	12	0	15.49	15.48	15.66	17	0
5	QPSK	12	7	15.48	15.56	15.69		
5	QPSK	12	13	15.44	15.67	15.63		
5	QPSK	25	0	15.44	15.55	15.67		
5	16QAM	1	0	15.31	15.26	15.51	17	0
5	16QAM	1	12	15.42	15.51	15.48		
5	16QAM	1	24	15.54	15.14	15.40		
5	16QAM	12	0	15.11	15.10	15.22	17	0
5	16QAM	12	7	15.08	15.14	15.29		
5	16QAM	12	13	15.04	15.11	15.31		
5	16QAM	25	0	15.09	15.30	15.22		
5	64QAM	1	0	15.42	15.34	15.34	17	0
5	64QAM	1	12	15.26	15.40	15.11		
5	64QAM	1	24	15.29	15.54	15.14		
5	64QAM	12	0	15.10	15.26	15.31	17	0
5	64QAM	12	7	15.40	15.04	15.30		
5	64QAM	12	13	15.01	15.12	15.26		
5	64QAM	25	0	15.00	15.26	15.26		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	15.27	15.45	15.64	17	0
3	QPSK	1	8	15.51	15.65	15.60		
3	QPSK	1	14	15.43	15.53	15.61		
3	QPSK	8	0	15.49	15.49	15.54	17	0
3	QPSK	8	4	15.49	15.56	15.62		
3	QPSK	8	7	15.45	15.57	15.64		
3	QPSK	15	0	15.46	15.54	15.60		
3	16QAM	1	0	15.22	15.46	15.32	17	0
3	16QAM	1	8	15.35	15.61	15.22		
3	16QAM	1	14	15.32	15.38	15.62		
3	16QAM	8	0	15.22	15.16	15.26	17	0
3	16QAM	8	4	15.21	15.20	15.42		
3	16QAM	8	7	15.21	15.33	15.17		
3	16QAM	15	0	15.02	15.14	15.13		
3	64QAM	1	0	15.33	15.08	15.12	17	0
3	64QAM	1	8	15.06	15.28	15.02		
3	64QAM	1	14	15.25	15.07	15.08		
3	64QAM	8	0	15.07	15.02	15.13	17	0
3	64QAM	8	4	15.06	15.03	15.17		
3	64QAM	8	7	15.05	15.02	15.18		
3	64QAM	15	0	15.08	15.07	15.27		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	15.32	15.43	15.42	17	0
1.4	QPSK	1	3	15.48	15.44	15.51		
1.4	QPSK	1	5	15.35	15.46	15.43		
1.4	QPSK	3	0	15.24	15.46	15.42		
1.4	QPSK	3	1	15.47	15.42	15.57		
1.4	QPSK	3	3	15.37	15.45	15.50		
1.4	QPSK	6	0	15.42	15.55	15.60	17	0
1.4	16QAM	1	0	15.06	15.52	15.10	17	0
1.4	16QAM	1	3	15.48	15.32	15.17		
1.4	16QAM	1	5	15.39	15.21	15.27		
1.4	16QAM	3	0	15.16	15.15	15.28		
1.4	16QAM	3	1	15.17	15.18	15.06		
1.4	16QAM	3	3	15.09	15.20	15.10		
1.4	16QAM	6	0	15.17	15.29	15.20	17	0
1.4	64QAM	1	0	15.12	15.20	15.32	17	0
1.4	64QAM	1	3	15.16	15.13	15.10		
1.4	64QAM	1	5	15.03	15.06	15.26		
1.4	64QAM	3	0	15.16	15.03	15.17		
1.4	64QAM	3	1	15.15	15.23	15.14		
1.4	64QAM	3	3	15.07	15.14	15.33		
1.4	64QAM	6	0	15.04	15.06	15.03	17	0

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				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	15.58	16.04	15.79	17	0
20	QPSK	1	49	15.72	15.62	16.01		
20	QPSK	1	99	15.62	15.68	15.73		
20	QPSK	50	0	15.54	15.66	15.78	17	0
20	QPSK	50	24	15.70	15.74	15.80		
20	QPSK	50	50	15.58	15.68	15.80		
20	QPSK	100	0	15.71	15.67	15.81		
20	16QAM	1	0	15.89	15.80	15.87	17	0
20	16QAM	1	49	15.79	15.80	15.88		
20	16QAM	1	99	15.62	15.74	15.90		
20	16QAM	50	0	15.56	15.71	15.79	17	0
20	16QAM	50	24	15.73	15.78	15.70		
20	16QAM	50	50	15.60	15.70	15.79		
20	16QAM	100	0	15.71	15.63	15.80		
20	64QAM	1	0	15.49	15.55	15.60	17	0
20	64QAM	1	49	15.45	15.42	15.67		
20	64QAM	1	99	15.37	15.63	15.53		
20	64QAM	50	0	15.67	15.78	15.89	17	0
20	64QAM	50	24	15.74	15.78	15.80		
20	64QAM	50	50	15.66	15.78	15.81		
20	64QAM	100	0	15.67	15.77	15.76		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	15.77	15.86	16.03	17	0
15	QPSK	1	37	15.76	15.94	15.91		
15	QPSK	1	74	15.70	15.92	15.91		
15	QPSK	36	0	15.77	15.92	15.97	17	0
15	QPSK	36	20	15.82	15.98	15.92		
15	QPSK	36	39	15.83	15.87	16.02		
15	QPSK	75	0	15.90	15.98	15.93		
15	16QAM	1	0	15.83	15.92	15.96	17	0
15	16QAM	1	37	15.61	15.83	15.79		
15	16QAM	1	74	15.61	15.85	15.97		
15	16QAM	36	0	15.57	15.65	15.71	17	0
15	16QAM	36	20	15.59	15.68	15.81		
15	16QAM	36	39	15.57	15.63	15.84		
15	16QAM	75	0	15.61	15.69	15.82		
15	64QAM	1	0	15.57	15.61	15.41	17	0
15	64QAM	1	37	15.56	15.42	15.72		
15	64QAM	1	74	15.51	15.69	15.65		
15	64QAM	36	0	15.57	15.75	15.82	17	0
15	64QAM	36	20	15.67	15.77	15.85		
15	64QAM	36	39	15.59	15.70	15.81		
15	64QAM	75	0	15.68	15.70	15.84		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2573	2595	2615		
10	QPSK	1	0	15.80	15.92	15.91	17	0
10	QPSK	1	25	15.83	15.93	16.02		
10	QPSK	1	49	15.69	15.96	16.01		
10	QPSK	25	0	15.71	15.75	15.91	17	0
10	QPSK	25	12	15.69	15.79	15.84		
10	QPSK	25	25	15.58	15.76	15.95		
10	QPSK	50	0	15.67	15.74	15.90		
10	16QAM	1	0	15.78	15.77	16.02	17	0
10	16QAM	1	25	15.78	15.82	16.00		
10	16QAM	1	49	15.60	15.86	15.92		
10	16QAM	25	0	15.75	15.68	15.95	17	0
10	16QAM	25	12	15.73	15.72	15.96		
10	16QAM	25	25	15.70	15.90	15.92		
10	16QAM	50	0	15.75	15.76	15.88		
10	64QAM	1	0	15.44	15.43	15.53	17	0
10	64QAM	1	25	15.54	15.42	15.58		
10	64QAM	1	49	15.39	15.62	15.65		
10	64QAM	25	0	15.84	15.97	15.98	17	0
10	64QAM	25	12	15.87	15.86	15.91		
10	64QAM	25	25	15.69	15.85	15.93		
10	64QAM	50	0	15.81	15.79	15.95		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	15.47	15.55	15.71	17	0
5	QPSK	1	12	15.37	15.53	15.68		
5	QPSK	1	24	15.33	15.49	15.60		
5	QPSK	12	0	15.56	15.57	15.77	17	0
5	QPSK	12	7	15.50	15.63	15.78		
5	QPSK	12	13	15.47	15.68	15.73		
5	QPSK	25	0	15.56	15.59	15.79		
5	16QAM	1	0	15.68	15.75	15.86	17	0
5	16QAM	1	12	15.50	15.71	15.95		
5	16QAM	1	24	15.57	15.81	15.86		
5	16QAM	12	0	15.53	15.50	15.78	17	0
5	16QAM	12	7	15.47	15.53	15.73		
5	16QAM	12	13	15.41	15.57	15.77		
5	16QAM	25	0	15.48	15.67	15.77		
5	64QAM	1	0	15.50	15.50	15.70	17	0
5	64QAM	1	12	15.26	15.51	15.66		
5	64QAM	1	24	15.45	15.58	15.73		
5	64QAM	12	0	15.59	15.73	15.86	17	0
5	64QAM	12	7	15.62	15.66	15.90		
5	64QAM	12	13	15.58	15.70	15.84		
5	64QAM	25	0	15.52	15.67	15.77		

Band 41 (2.6G Band)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	16.06	16.03	16.31	16.20	16.05	17	0
20	QPSK	1	49	16.06	15.92	16.00	16.14	16.05		
20	QPSK	1	99	15.86	15.90	16.01	16.05	16.12		
20	QPSK	50	0	15.89	15.92	16.09	16.06	16.03	17	0
20	QPSK	50	24	15.88	15.84	16.02	16.03	15.90		
20	QPSK	50	50	15.79	15.89	15.93	16.06	16.03		
20	QPSK	100	0	15.74	15.94	16.03	16.01	15.94		
20	16QAM	1	0	15.87	15.92	16.05	16.00	16.14	17	0
20	16QAM	1	49	15.85	15.84	15.91	16.10	15.92		
20	16QAM	1	99	15.77	15.72	15.89	16.11	16.12		
20	16QAM	50	0	15.79	15.86	15.95	16.09	15.92	17	0
20	16QAM	50	24	15.93	15.95	15.91	16.08	16.01		
20	16QAM	50	50	15.91	15.83	15.96	16.04	16.02		
20	16QAM	100	0	15.86	15.86	15.92	16.03	15.98		
20	64QAM	1	0	15.95	16.06	16.08	16.23	16.17	17	0
20	64QAM	1	49	15.93	16.13	16.04	16.20	15.97		
20	64QAM	1	99	16.03	15.95	15.94	16.06	15.97		
20	64QAM	50	0	15.93	15.94	15.76	15.97	15.95	17	0
20	64QAM	50	24	15.92	15.93	15.87	16.13	16.04		
20	64QAM	50	50	15.95	15.79	15.80	16.14	15.93		
20	64QAM	100	0	15.85	15.80	15.97	16.13	15.95		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	15.77	15.78	15.99	15.89	16.01	17	0
15	QPSK	1	37	15.78	15.75	15.78	15.92	15.76		
15	QPSK	1	74	15.76	15.81	15.86	15.91	15.71		
15	QPSK	36	0	15.89	15.89	15.86	16.01	16.04	17	0
15	QPSK	36	20	15.69	15.76	15.85	16.09	15.98		
15	QPSK	36	39	15.91	15.87	15.87	15.98	16.02		
15	QPSK	75	0	15.77	15.82	15.95	15.96	16.05		
15	16QAM	1	0	15.86	16.01	16.10	16.07	15.99	17	0
15	16QAM	1	37	15.71	15.70	15.90	15.98	15.81		
15	16QAM	1	74	15.81	15.88	15.85	16.07	16.05		
15	16QAM	36	0	15.82	15.91	15.76	15.94	15.99	17	0
15	16QAM	36	20	15.86	15.81	15.91	16.07	15.93		
15	16QAM	36	39	15.78	15.98	15.84	16.02	15.91		
15	16QAM	75	0	15.88	15.76	16.02	16.06	16.10		
15	64QAM	1	0	15.87	15.87	15.76	15.88	15.89	17	0
15	64QAM	1	37	15.99	15.73	15.75	15.86	15.71		
15	64QAM	1	74	15.89	15.89	15.62	15.94	15.85		
15	64QAM	36	0	15.92	15.99	15.88	16.01	15.96	17	0
15	64QAM	36	20	16.02	15.86	15.84	15.77	15.99		
15	64QAM	36	39	15.84	15.90	15.83	15.86	16.04		
15	64QAM	75	0	16.00	15.91	15.83	16.00	16.03		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	15.75	15.98	15.98	15.92	15.98	17	0
10	QPSK	1	25	15.94	16.03	15.93	15.88	16.10		
10	QPSK	1	49	15.73	15.70	15.87	15.95	15.91		
10	QPSK	25	0	15.85	15.86	15.81	15.89	15.89	17	0
10	QPSK	25	12	15.84	15.86	15.81	15.99	15.86		
10	QPSK	25	25	15.80	15.78	15.81	16.02	15.82		
10	QPSK	50	0	15.81	15.86	15.69	15.82	15.98		
10	16QAM	1	0	15.87	16.05	15.84	15.94	15.86	17	0
10	16QAM	1	25	15.87	15.88	15.98	15.98	16.01		
10	16QAM	1	49	15.67	15.78	15.82	15.83	15.95		
10	16QAM	25	0	15.97	15.78	15.89	15.92	15.82	17	0
10	16QAM	25	12	15.75	15.69	15.69	15.93	16.05		
10	16QAM	25	25	15.73	15.93	15.77	15.87	15.78		
10	16QAM	50	0	15.96	15.95	15.79	16.06	15.95		
10	64QAM	1	0	15.86	15.85	15.75	15.91	15.74	17	0
10	64QAM	1	25	15.79	15.86	15.63	15.71	15.73		
10	64QAM	1	49	15.53	15.75	15.79	15.89	15.89		
10	64QAM	25	0	15.80	15.92	15.89	15.96	16.09	17	0
10	64QAM	25	12	15.91	16.01	16.01	16.05	16.10		
10	64QAM	25	25	15.82	16.03	15.92	16.02	16.05		
10	64QAM	50	0	15.85	15.85	15.85	15.90	16.02		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	15.65	15.70	15.83	15.84	15.80	17	0
5	QPSK	1	12	15.73	15.87	15.86	15.86	15.75		
5	QPSK	1	24	15.54	15.74	15.81	15.74	15.73		
5	QPSK	12	0	15.72	15.74	15.90	15.91	15.82	17	0
5	QPSK	12	7	15.86	15.81	15.77	16.09	15.95		
5	QPSK	12	13	15.87	15.77	15.74	15.89	15.88		
5	QPSK	25	0	15.81	15.75	15.80	15.89	15.81		
5	16QAM	1	0	15.97	15.92	15.78	16.02	16.00	17	0
5	16QAM	1	12	15.92	15.91	15.87	15.86	16.02		
5	16QAM	1	24	15.96	16.09	15.90	16.09	15.84		
5	16QAM	12	0	15.76	15.86	15.87	15.98	15.78	17	0
5	16QAM	12	7	15.84	15.73	15.89	16.09	15.84		
5	16QAM	12	13	15.78	15.71	15.88	15.99	16.00		
5	16QAM	25	0	15.84	15.75	15.80	15.88	15.92		
5	64QAM	1	0	15.78	15.84	15.77	15.88	15.79	17	0
5	64QAM	1	12	15.76	15.80	15.65	15.77	15.84		
5	64QAM	1	24	15.70	15.66	15.73	15.91	15.84		
5	64QAM	12	0	15.92	15.86	15.95	15.91	15.91	17	0
5	64QAM	12	7	15.92	15.89	15.95	15.99	15.98		
5	64QAM	12	13	15.84	15.86	15.81	15.77	16.00		
5	64QAM	25	0	15.77	15.98	15.80	15.97	15.86		

Band 41 (2.6G Band)HPUE

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	15.98	15.85	16.10	15.96	15.96	17	0
20	QPSK	1	49	15.71	15.70	15.72	16.00	15.77		
20	QPSK	1	99	15.68	15.76	15.80	15.92	15.93		
20	QPSK	50	0	15.84	15.78	15.93	15.88	15.77	17	0
20	QPSK	50	24	15.63	15.67	15.73	15.88	15.79		
20	QPSK	50	50	15.62	15.64	15.65	15.84	15.78		
20	QPSK	100	0	15.57	15.67	15.84	15.82	15.75		
20	16QAM	1	0	15.84	16.00	16.03	15.86	15.97	17	0
20	16QAM	1	49	15.87	15.91	15.98	15.87	15.96		
20	16QAM	1	99	15.88	15.83	15.96	16.07	15.88		
20	16QAM	50	0	15.65	15.73	15.69	15.82	15.76	17	0
20	16QAM	50	24	15.69	15.70	15.71	15.88	15.79		
20	16QAM	50	50	15.66	15.67	15.68	15.85	15.85		
20	16QAM	100	0	15.61	15.67	15.67	15.86	15.83		
20	64QAM	1	0	15.70	15.85	15.93	15.97	15.95	17	0
20	64QAM	1	49	15.60	15.68	15.72	15.78	15.64		
20	64QAM	1	99	15.67	15.60	15.58	15.95	15.67		
20	64QAM	50	0	15.65	15.76	15.62	15.87	15.82	17	0
20	64QAM	50	24	15.66	15.71	15.75	15.88	15.86		
20	64QAM	50	50	15.71	15.69	15.65	15.85	15.78		
20	64QAM	100	0	15.64	15.70	15.71	15.89	15.82		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	15.71	15.83	15.92	15.93	15.96	17	0
15	QPSK	1	37	15.78	15.71	15.75	15.99	15.73		
15	QPSK	1	74	15.66	15.80	15.66	15.90	15.81		
15	QPSK	36	0	15.60	15.68	15.69	15.79	15.80	17	0
15	QPSK	36	20	15.57	15.63	15.64	15.84	15.73		
15	QPSK	36	39	15.64	15.64	15.66	15.78	15.75		
15	QPSK	75	0	15.60	15.67	15.75	15.77	15.82		
15	16QAM	1	0	15.64	15.75	15.81	15.86	15.81	17	0
15	16QAM	1	37	15.49	15.53	15.71	15.69	15.58		
15	16QAM	1	74	15.66	15.72	15.69	15.85	15.90		
15	16QAM	36	0	15.56	15.63	15.62	15.77	15.74	17	0
15	16QAM	36	20	15.54	15.68	15.67	15.76	15.76		
15	16QAM	36	39	15.57	15.65	15.67	15.75	15.73		
15	16QAM	75	0	15.71	15.64	15.70	15.86	15.83		
15	64QAM	1	0	15.70	15.74	15.83	16.01	15.87	17	0
15	64QAM	1	37	15.74	15.61	15.78	15.98	15.83		
15	64QAM	1	74	15.79	15.76	15.71	15.94	15.82		
15	64QAM	36	0	15.69	15.76	15.61	15.80	15.79	17	0
15	64QAM	36	20	15.71	15.71	15.72	15.85	15.78		
15	64QAM	36	39	15.65	15.70	15.66	15.72	15.78		
15	64QAM	75	0	15.69	15.76	15.71	15.82	15.81		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	15.74	16.08	15.92	16.01	16.04	17	0
10	QPSK	1	25	15.89	16.00	16.02	16.08	16.06		
10	QPSK	1	49	15.76	15.77	15.91	16.05	15.92		
10	QPSK	25	0	15.79	15.81	15.85	15.91	15.85	17	0
10	QPSK	25	12	15.76	15.88	15.85	16.00	15.93		
10	QPSK	25	25	15.74	15.86	15.81	15.94	15.82		
10	QPSK	50	0	15.75	15.85	15.77	15.87	15.89	17	0
10	16QAM	1	0	15.86	15.96	15.87	15.90	15.85		
10	16QAM	1	25	15.85	15.86	15.93	15.89	16.07		
10	16QAM	1	49	15.75	15.69	15.84	15.85	15.89		
10	16QAM	25	0	15.87	15.87	15.80	15.97	15.89	17	0
10	16QAM	25	12	15.78	15.73	15.77	16.00	15.95		
10	16QAM	25	25	15.80	15.89	15.83	15.85	15.87		
10	16QAM	50	0	15.89	15.90	15.85	15.98	15.92		
10	64QAM	1	0	15.89	15.84	15.69	15.84	15.69	17	0
10	64QAM	1	25	15.77	15.82	15.66	15.76	15.73		
10	64QAM	1	49	15.61	15.77	15.87	15.94	15.88		
10	64QAM	25	0	15.87	15.97	15.93	16.03	15.99	17	0
10	64QAM	25	12	15.92	16.04	16.01	16.08	16.04		
10	64QAM	25	25	15.89	15.94	16.02	15.98	15.99		
10	64QAM	50	0	15.86	15.94	15.92	15.87	15.93		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	15.97	15.95	15.99	16.07	15.88	17	0
5	QPSK	1	12	15.93	15.93	15.90	15.88	16.05		
5	QPSK	1	24	15.84	15.88	15.99	16.06	16.00		
5	QPSK	12	0	15.74	15.77	15.88	15.93	15.91	17	0
5	QPSK	12	7	15.78	15.87	15.79	16.01	15.89		
5	QPSK	12	13	15.77	15.77	15.83	15.98	15.94		
5	QPSK	25	0	15.76	15.84	15.82	15.92	15.88	17	0
5	16QAM	1	0	15.87	15.86	15.75	16.04	15.93		
5	16QAM	1	12	15.85	15.99	15.91	16.09	16.00		
5	16QAM	1	24	15.89	16.05	15.94	16.06	15.90		
5	16QAM	12	0	15.78	15.80	15.78	15.97	15.87	17	0
5	16QAM	12	7	15.76	15.76	15.89	16.01	15.91		
5	16QAM	12	13	15.71	15.74	15.86	15.90	15.93		
5	16QAM	25	0	15.81	15.81	15.77	15.87	15.95	17	0
5	64QAM	1	0	15.80	15.82	15.72	15.91	15.88		
5	64QAM	1	12	15.69	15.79	15.77	15.86	15.85		
5	64QAM	1	24	15.77	15.76	15.78	15.88	15.84		
5	64QAM	12	0	15.82	15.89	15.96	15.99	16.00	17	0
5	64QAM	12	7	15.86	15.91	15.92	16.07	16.02		
5	64QAM	12	13	15.79	15.90	15.88	16.04	15.98		
5	64QAM	25	0	15.85	15.91	15.88	15.99	16.03		

Reduced power Mode for Handheld On for ANT1

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	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.95	18.90	18.83	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	17.62	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	17.36	17.25	17.25	19.00	17.55	17.84	17.60	18.50
3GPP Rel 8	DC-HSDPA Subtest-4	17.33	17.31	17.23	19.00	17.55	17.84	17.61	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)	1851.25	1880	1908.75	
RC1 SO55	21.28	21.30	21.14	22.00
RC3 SO55	21.10	21.31	21.15	22.00
RC3 SO32 (F+SCH)	21.25	21.11	21.20	22.00
RC3 SO32 (+SCH)	21.26	21.11	21.05	22.00
RTAP 153.6Kbps	20.97	21.25	21.14	22.00
RETAP 4096Bits	20.98	21.21	21.02	22.00

SPORTON LAB.

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	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	22.5	0
20	QPSK	50	24	20.99	20.94	21.33		
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	22.5	0
20	16QAM	1	49	21.36	21.23	21.14		
20	16QAM	1	99	21.15	21.09	20.87		
20	16QAM	50	0	20.33	20.13	20.47	22	0.5
20	16QAM	50	24	20.40	20.41	20.42		
20	16QAM	50	50	20.34	20.39	20.45		
20	16QAM	100	0	20.35	20.38	20.50		
20	64QAM	1	0	20.69	20.92	20.92	22	0.5
20	64QAM	1	49	20.92	20.70	20.80		
20	64QAM	1	99	20.78	20.86	20.91		
20	64QAM	50	0	19.63	19.72	20.07	21	1.5
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		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
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	22.5	0
15	QPSK	36	20	21.12	21.11	20.91		
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	22.5	0
15	16QAM	1	37	20.97	21.08	21.22		
15	16QAM	1	74	20.88	21.37	21.14		
15	16QAM	36	0	20.33	20.22	20.56	22	0.5
15	16QAM	36	20	20.37	20.41	20.49		
15	16QAM	36	39	20.35	20.33	20.72		
15	16QAM	75	0	20.42	20.37	20.06		
15	64QAM	1	0	20.91	20.97	20.74	22	0.5
15	64QAM	1	37	20.84	20.57	20.83		
15	64QAM	1	74	20.59	20.71	20.54		
15	64QAM	36	0	19.59	19.63	19.66	21	1.5
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		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
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	22.5	0
10	QPSK	25	12	21.19	21.15	21.34		
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	22.5	0
10	16QAM	1	25	21.24	21.12	21.11		
10	16QAM	1	49	21.05	21.26	21.23		
10	16QAM	25	0	20.55	20.55	20.46	22	0.5
10	16QAM	25	12	20.54	20.42	20.53		
10	16QAM	25	25	20.36	20.26	20.58		
10	16QAM	50	0	20.47	20.34	20.56		
10	64QAM	1	0	20.49	20.65	20.58	22	0.5
10	64QAM	1	25	20.72	20.36	20.46		
10	64QAM	1	49	20.54	20.57	20.80		
10	64QAM	25	0	20.15	19.72	19.79	21	1.5
10	64QAM	25	12	19.79	19.71	19.71		
10	64QAM	25	25	20.21	20.18	19.79		
10	64QAM	50	0	19.62	19.73	19.68		
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	22.5	0
5	QPSK	12	7	21.26	21.19	21.26		
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	22.5	0
5	16QAM	1	12	21.11	21.09	21.17		
5	16QAM	1	24	21.18	21.20	21.23		
5	16QAM	12	0	20.59	20.31	20.61	22	0.5
5	16QAM	12	7	20.51	20.54	20.51		
5	16QAM	12	13	20.33	20.35	20.40		
5	16QAM	25	0	20.51	20.41	20.59		
5	64QAM	1	0	21.04	20.94	20.98	22	0.5
5	64QAM	1	12	21.00	20.54	20.98		
5	64QAM	1	24	21.02	20.85	21.01		
5	64QAM	12	0	19.80	19.68	19.79	21	1.5
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	20.19	20.15		
Channel				18615	18900	19185	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	22.5	0
3	QPSK	8	4	21.37	21.13	21.30		
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	22.5	0
3	16QAM	1	8	21.23	21.30	21.20		
3	16QAM	1	14	21.22	21.29	21.23		
3	16QAM	8	0	20.70	20.38	20.64	22	0.5
3	16QAM	8	4	20.61	20.54	20.57		
3	16QAM	8	7	20.61	20.57	20.45		
3	16QAM	15	0	20.50	20.49	20.52		
3	64QAM	1	0	20.72	20.52	20.45	22	0.5
3	64QAM	1	8	20.72	20.51	20.62		
3	64QAM	1	14	20.39	20.49	20.29		
3	64QAM	8	0	19.87	20.18	19.77	21	1.5
3	64QAM	8	4	19.86	19.68	19.75		
3	64QAM	8	7	19.81	19.75	19.68		
3	64QAM	15	0	19.78	20.08	19.99		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	21.28	21.18	21.15	22.5	0
1.4	QPSK	1	3	21.33	21.21	21.18		
1.4	QPSK	1	5	21.25	21.05	21.11		
1.4	QPSK	3	0	21.32	21.12	21.16		
1.4	QPSK	3	1	21.37	21.17	21.18		
1.4	QPSK	3	3	21.21	21.15	21.06		
1.4	QPSK	6	0	21.31	21.25	21.24	22.5	0
1.4	16QAM	1	0	21.22	21.20	21.32	22.5	0
1.4	16QAM	1	3	21.35	21.34	21.15		
1.4	16QAM	1	5	21.13	21.21	21.27		
1.4	16QAM	3	0	21.21	20.82	20.98		
1.4	16QAM	3	1	21.03	20.83	21.09		
1.4	16QAM	3	3	20.84	20.93	21.09		
1.4	16QAM	6	0	20.62	20.51	20.51	22	0.5
1.4	64QAM	1	0	21.30	20.98	20.97	22	0.5
1.4	64QAM	1	3	21.14	20.98	20.83		
1.4	64QAM	1	5	21.15	20.93	20.83		
1.4	64QAM	3	0	21.03	20.65	20.79		
1.4	64QAM	3	1	20.92	20.66	21.15		
1.4	64QAM	3	3	20.99	20.82	20.98		
1.4	64QAM	6	0	19.83	20.03	19.57	21	1.5

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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	19.83	19.93	19.92	21	0
20	QPSK	1	49	19.64	19.72	19.70		
20	QPSK	1	99	19.83	19.91	19.67		
20	QPSK	50	0	19.84	19.87	19.76	21	0
20	QPSK	50	24	19.57	19.65	19.75		
20	QPSK	50	50	19.42	19.73	19.64		
20	QPSK	100	0	19.58	19.70	19.66		
20	16QAM	1	0	19.41	19.38	19.50	21	0
20	16QAM	1	49	19.57	19.47	19.53		
20	16QAM	1	99	19.71	19.77	19.63		
20	16QAM	50	0	19.41	19.55	19.71	21	0
20	16QAM	50	24	19.54	19.57	19.75		
20	16QAM	50	50	19.56	19.59	19.63		
20	16QAM	100	0	19.54	19.52	19.64		
20	64QAM	1	0	19.87	19.89	19.91	21	0
20	64QAM	1	49	19.78	19.85	19.67		
20	64QAM	1	99	19.83	19.84	19.82		
20	64QAM	50	0	19.43	19.51	19.54	21	0
20	64QAM	50	24	19.58	19.66	19.66		
20	64QAM	50	50	19.55	19.42	19.67		
20	64QAM	100	0	19.59	19.65	19.54		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	19.40	19.38	19.36	21	0
15	QPSK	1	37	19.31	19.26	19.14		
15	QPSK	1	74	19.42	19.36	19.25		
15	QPSK	36	0	19.42	19.37	19.17	21	0
15	QPSK	36	20	19.49	19.37	19.25		
15	QPSK	36	39	19.38	19.38	19.29		
15	QPSK	75	0	19.53	19.41	19.27		
15	16QAM	1	0	19.77	19.77	19.72	21	0
15	16QAM	1	37	19.72	19.50	19.43		
15	16QAM	1	74	19.50	19.57	19.55		
15	16QAM	36	0	19.46	19.41	19.32	21	0
15	16QAM	36	20	19.54	19.31	19.30		
15	16QAM	36	39	19.49	19.35	19.22		
15	16QAM	75	0	19.47	19.31	19.21		
15	64QAM	1	0	19.67	19.57	19.55	21	0
15	64QAM	1	37	19.51	19.52	19.53		
15	64QAM	1	74	19.65	19.59	19.53		
15	64QAM	36	0	19.56	19.39	19.20	21	0
15	64QAM	36	20	19.52	19.39	19.18		
15	64QAM	36	39	19.40	19.35	19.33		
15	64QAM	75	0	19.46	19.39	19.41		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	19.40	19.44	19.50	21	0
10	QPSK	1	25	19.27	19.30	19.40		
10	QPSK	1	49	19.52	19.52	19.41		
10	QPSK	25	0	19.66	19.47	19.51	21	0
10	QPSK	25	12	19.60	19.51	19.39		
10	QPSK	25	25	19.58	19.52	19.38		
10	QPSK	50	0	19.58	19.52	19.47		
10	16QAM	1	0	19.58	19.59	19.44	21	0
10	16QAM	1	25	19.39	19.44	19.39		
10	16QAM	1	49	19.56	19.18	19.46		
10	16QAM	25	0	19.57	19.66	19.56	21	0
10	16QAM	25	12	19.52	19.65	19.48		
10	16QAM	25	25	19.50	19.62	19.48		
10	16QAM	50	0	19.62	19.55	19.45		
10	64QAM	1	0	19.77	19.61	19.46	21	0
10	64QAM	1	25	19.48	19.29	19.47		
10	64QAM	1	49	19.53	19.31	19.49		
10	64QAM	25	0	19.51	19.43	19.57	21	0
10	64QAM	25	12	19.56	19.48	19.49		
10	64QAM	25	25	19.47	19.39	19.46		
10	64QAM	50	0	19.57	19.52	19.49		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	19.53	19.39	19.42	21	0
5	QPSK	1	12	19.46	19.57	19.61		
5	QPSK	1	24	19.65	19.42	19.45		
5	QPSK	12	0	19.61	19.57	19.57	21	0
5	QPSK	12	7	19.56	19.55	19.60		
5	QPSK	12	13	19.53	19.49	19.55		
5	QPSK	25	0	19.56	19.49	19.58		
5	16QAM	1	0	19.55	19.57	19.56	21	0
5	16QAM	1	12	19.64	19.65	19.64		
5	16QAM	1	24	19.36	19.38	19.57		
5	16QAM	12	0	19.59	19.65	19.58	21	0
5	16QAM	12	7	19.56	19.46	19.59		
5	16QAM	12	13	19.65	19.50	19.53		
5	16QAM	25	0	19.53	19.46	19.48		
5	64QAM	1	0	19.49	19.52	19.88	21	0
5	64QAM	1	12	19.58	19.70	19.74		
5	64QAM	1	24	19.74	19.58	19.58		
5	64QAM	12	0	19.59	19.57	19.61	21	0
5	64QAM	12	7	19.51	19.58	19.61		
5	64QAM	12	13	19.58	19.55	19.57		
5	64QAM	25	0	19.56	19.51	19.53		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	19.50	19.54	19.64	21	0
3	QPSK	1	8	19.77	19.81	19.62		
3	QPSK	1	14	19.86	19.70	19.58		
3	QPSK	8	0	19.77	19.68	19.55	21	0
3	QPSK	8	4	19.73	19.78	19.56		
3	QPSK	8	7	19.66	19.73	19.57		
3	QPSK	15	0	19.73	19.73	19.60		
3	16QAM	1	0	19.58	19.61	19.55	21	0
3	16QAM	1	8	19.70	19.24	19.41		
3	16QAM	1	14	19.68	19.73	19.51		
3	16QAM	8	0	19.81	19.77	19.74	21	0
3	16QAM	8	4	19.83	19.79	19.69		
3	16QAM	8	7	19.77	19.72	19.84		
3	16QAM	15	0	19.79	19.65	19.52		
3	64QAM	1	0	19.45	19.75	19.61	21	0
3	64QAM	1	8	19.55	19.90	19.55		
3	64QAM	1	14	19.90	19.80	19.64		
3	64QAM	8	0	19.71	19.72	19.57	21	0
3	64QAM	8	4	19.83	19.89	19.52		
3	64QAM	8	7	19.67	19.68	19.39		
3	64QAM	15	0	19.75	19.67	19.63		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	19.34	19.38	19.46	21	0
1.4	QPSK	1	3	19.47	19.26	19.54		
1.4	QPSK	1	5	19.25	19.26	19.45		
1.4	QPSK	3	0	19.59	19.40	19.54		
1.4	QPSK	3	1	19.52	19.37	19.56		
1.4	QPSK	3	3	19.38	19.31	19.50		
1.4	QPSK	6	0	19.55	19.39	19.51	21	0
1.4	16QAM	1	0	19.23	19.37	19.55	21	0
1.4	16QAM	1	3	19.31	19.62	19.65		
1.4	16QAM	1	5	19.28	19.52	19.46		
1.4	16QAM	3	0	19.58	19.27	19.36		
1.4	16QAM	3	1	19.33	19.20	19.42		
1.4	16QAM	3	3	19.27	19.25	19.35		
1.4	16QAM	6	0	19.24	19.43	19.53	21	0
1.4	64QAM	1	0	19.38	19.38	19.63	21	0
1.4	64QAM	1	3	19.41	19.44	19.85		
1.4	64QAM	1	5	19.47	19.36	19.60		
1.4	64QAM	3	0	19.28	19.30	19.59		
1.4	64QAM	3	1	19.36	19.54	19.62		
1.4	64QAM	3	3	19.21	19.21	19.54		
1.4	64QAM	6	0	19.25	19.34	19.51	21	0

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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.69	20.86	20.83	21.5	0
20	QPSK	1	49	20.56	20.67	20.65		
20	QPSK	1	99	20.52	20.69	20.51		
20	QPSK	50	0	20.62	20.82	20.80	21.5	0
20	QPSK	50	24	20.70	20.81	20.76		
20	QPSK	50	50	20.74	20.80	20.53		
20	QPSK	100	0	20.72	20.78	20.77		
20	16QAM	1	0	20.75	20.78	20.53	21.5	0
20	16QAM	1	49	20.70	20.70	20.64		
20	16QAM	1	99	20.73	20.76	20.72		
20	16QAM	50	0	20.37	20.60	20.53	21.5	0
20	16QAM	50	24	20.40	20.45	20.52		
20	16QAM	50	50	20.32	20.49	20.45		
20	16QAM	100	0	20.49	20.62	20.45		
20	64QAM	1	0	20.29	20.53	20.36	21.5	0
20	64QAM	1	49	20.26	20.42	20.40		
20	64QAM	1	99	20.38	20.44	20.24		
20	64QAM	50	0	19.55	19.72	19.62	21	0.5
20	64QAM	50	24	19.64	19.73	19.68		
20	64QAM	50	50	19.68	19.68	19.54		
20	64QAM	100	0	19.59	19.84	19.71		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	20.44	20.63	20.78	21.5	0
15	QPSK	1	37	20.48	20.65	20.63		
15	QPSK	1	74	20.50	20.58	20.61		
15	QPSK	36	0	20.58	20.77	20.81	21.5	0
15	QPSK	36	20	20.65	20.76	20.71		
15	QPSK	36	39	20.59	20.72	20.77		
15	QPSK	75	0	20.66	20.80	20.72		
15	16QAM	1	0	20.72	20.85	20.61	21.5	0
15	16QAM	1	37	20.73	20.53	20.60		
15	16QAM	1	74	20.43	20.71	20.41		
15	16QAM	36	0	20.37	20.53	20.54	21.5	0
15	16QAM	36	20	20.45	20.54	20.53		
15	16QAM	36	39	20.43	20.49	20.52		
15	16QAM	75	0	20.49	20.62	20.54		
15	64QAM	1	0	20.32	20.56	20.49	21.5	0
15	64QAM	1	37	20.74	20.56	20.40		
15	64QAM	1	74	20.53	20.53	20.31		
15	64QAM	36	0	19.53	19.76	19.80	21	0.5
15	64QAM	36	20	19.58	19.77	19.69		
15	64QAM	36	39	19.63	19.75	19.67		
15	64QAM	75	0	19.64	19.85	19.81		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	20.61	20.74	20.54	21.5	0
10	QPSK	1	25	20.48	20.84	20.76		
10	QPSK	1	49	20.50	20.59	20.55		
10	QPSK	25	0	20.51	20.74	20.68	21.5	0
10	QPSK	25	12	20.56	20.68	20.70		
10	QPSK	25	25	20.62	20.66	20.60		
10	QPSK	50	0	20.59	20.79	20.54		
10	16QAM	1	0	20.66	20.76	20.69	21.5	0
10	16QAM	1	25	20.77	20.82	20.68		
10	16QAM	1	49	20.62	20.85	20.80		
10	16QAM	25	0	20.60	20.66	20.70	21.5	0
10	16QAM	25	12	20.64	20.63	20.73		
10	16QAM	25	25	20.64	20.49	20.68		
10	16QAM	50	0	20.60	20.62	20.60		
10	64QAM	1	0	20.59	20.57	20.68	21.5	0
10	64QAM	1	25	20.51	20.70	20.40		
10	64QAM	1	49	20.73	20.67	20.57		
10	64QAM	25	0	19.69	19.98	19.90	21	0.5
10	64QAM	25	12	19.65	19.92	19.92		
10	64QAM	25	25	19.89	19.89	19.75		
10	64QAM	50	0	19.83	19.95	19.85		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	20.51	20.61	20.52	21.5	0
5	QPSK	1	12	20.58	20.72	20.46		
5	QPSK	1	24	20.57	20.73	20.53		
5	QPSK	12	0	20.49	20.64	20.60	21.5	0
5	QPSK	12	7	20.58	20.74	20.60		
5	QPSK	12	13	20.62	20.69	20.60		
5	QPSK	25	0	20.55	20.65	20.61		
5	16QAM	1	0	20.49	20.77	20.67	21.5	0
5	16QAM	1	12	20.65	20.82	20.69		
5	16QAM	1	24	20.62	20.67	20.61		
5	16QAM	12	0	20.43	20.61	20.52	21.5	0
5	16QAM	12	7	20.46	20.64	20.67		
5	16QAM	12	13	20.56	20.70	20.64		
5	16QAM	25	0	20.65	20.66	20.55		
5	64QAM	1	0	20.71	20.82	20.80	21.5	0
5	64QAM	1	12	20.41	20.63	20.51		
5	64QAM	1	24	20.54	20.71	20.65		
5	64QAM	12	0	19.79	19.85	19.82	21	0.5
5	64QAM	12	7	19.75	19.94	19.84		
5	64QAM	12	13	19.81	19.86	19.91		
5	64QAM	25	0	19.69	19.78	19.80		

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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	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	22.5	0
20	QPSK	50	24	21.13	21.14	21.27		
20	QPSK	50	50	21.12	21.16	21.24		
20	QPSK	100	0	21.12	21.32	21.31		
20	16QAM	1	0	21.04	21.09	20.96	22.5	0
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	22	0.5
20	64QAM	1	49	20.79	20.49	20.49		
20	64QAM	1	99	20.46	20.80	20.62		
20	64QAM	50	0	19.79	19.65	19.76	21	1.5
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		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
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	22.5	0
15	QPSK	36	20	21.10	21.15	21.28		
15	QPSK	36	39	21.05	21.20	21.22		
15	QPSK	75	0	21.03	21.09	21.29		
15	16QAM	1	0	20.94	21.26	21.04	22.5	0
15	16QAM	1	37	20.98	21.32	20.88		
15	16QAM	1	74	20.87	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	22	0.5
15	64QAM	1	37	21.23	20.83	20.89		
15	64QAM	1	74	20.85	21.02	20.81		
15	64QAM	36	0	19.95	19.57	19.72	21	1.5
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	19.78		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
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	21.38	22.5	0
10	QPSK	25	12	21.35	21.33	21.31		
10	QPSK	25	25	21.27	21.34	21.22		
10	QPSK	50	0	21.31	21.34	21.32		
10	16QAM	1	0	20.76	20.90	21.01	22.5	0
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	22	0.5
10	64QAM	1	25	20.68	20.97	20.54		
10	64QAM	1	49	20.69	20.63	20.73		
10	64QAM	25	0	19.45	19.82	19.58	21	1.5
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		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
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	22.5	0
5	QPSK	12	7	21.19	21.27	21.36		
5	QPSK	12	13	21.14	21.15	21.23		
5	QPSK	25	0	21.17	21.20	21.25		
5	16QAM	1	0	20.87	21.24	21.23	22.5	0
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	20.69	20.86	21.14	22	0.5
5	64QAM	1	12	21.03	20.81	21.16		
5	64QAM	1	24	21.12	21.10	21.02		
5	64QAM	12	0	19.90	19.88	19.59	21	1.5
5	64QAM	12	7	19.64	19.98	19.60		
5	64QAM	12	13	19.91	19.84	19.58		
5	64QAM	25	0	19.47	19.42	19.58		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
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	22.5	0
3	QPSK	8	4	21.22	21.17	21.33		
3	QPSK	8	7	21.18	21.21	21.24		
3	QPSK	15	0	21.24	21.15	21.21		
3	16QAM	1	0	21.23	20.85	21.29	22.5	0
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	22	0.5
3	64QAM	1	8	20.88	20.64	20.89		
3	64QAM	1	14	20.66	20.80	21.01		
3	64QAM	8	0	19.82	19.80	19.56	21	1.5
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		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	21.21	21.19	21.22	22.5	0
1.4	QPSK	1	3	21.36	21.26	21.23		
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		
1.4	QPSK	6	0	21.15	21.18	21.21	22.5	0
1.4	16QAM	1	0	21.18	21.25	21.09	22.5	0
1.4	16QAM	1	3	21.23	21.22	21.18		
1.4	16QAM	1	5	21.27	21.34	21.20		
1.4	16QAM	3	0	21.25	21.17	21.27		
1.4	16QAM	3	1	21.32	21.26	21.30		
1.4	16QAM	3	3	21.16	21.17	21.34		
1.4	16QAM	6	0	20.23	20.20	20.29	22	0.5
1.4	64QAM	1	0	20.64	20.78	20.69	22	0.5
1.4	64QAM	1	3	20.86	20.67	20.96		
1.4	64QAM	1	5	20.65	20.66	20.55		
1.4	64QAM	3	0	20.89	20.66	20.94		
1.4	64QAM	3	1	20.78	20.45	20.87		
1.4	64QAM	3	3	20.44	20.79	20.72		
1.4	64QAM	6	0	19.41	19.33	19.72	22.5	0

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		18.54		20	0
10	QPSK	1	25		18.34			
10	QPSK	1	49		18.42			
10	QPSK	25	0		18.34		20	0
10	QPSK	25	12		18.23			
10	QPSK	25	25		18.11			
10	QPSK	50	0		18.29			
10	16QAM	1	0		18.50		20	0
10	16QAM	1	25		18.06			
10	16QAM	1	49		18.19			
10	16QAM	25	0		18.07		20	0
10	16QAM	25	12		18.14			
10	16QAM	25	25		18.00			
10	16QAM	50	0		18.05			
10	64QAM	1	0		18.03		20	0
10	64QAM	1	25		18.39			
10	64QAM	1	49		18.11			
10	64QAM	25	0		18.09		20	0
10	64QAM	25	12		18.05			
10	64QAM	25	25		18.08			
10	64QAM	50	0		18.07			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	18.32	18.33	18.52	20	0
5	QPSK	1	12	18.40	18.36	18.26		
5	QPSK	1	24	18.27	18.27	18.25		
5	QPSK	12	0	18.32	18.22	18.46	20	0
5	QPSK	12	7	18.31	18.33	18.33		
5	QPSK	12	13	18.28	18.27	18.24		
5	QPSK	25	0	18.24	18.25	18.24		
5	16QAM	1	0	18.32	18.30	18.44	20	0
5	16QAM	1	12	18.40	18.44	18.44		
5	16QAM	1	24	18.49	18.44	18.24		
5	16QAM	12	0	18.06	18.36	18.11	20	0
5	16QAM	12	7	18.08	18.06	18.01		
5	16QAM	12	13	18.08	18.01	18.02		
5	16QAM	25	0	18.00	18.11	18.01		
5	64QAM	1	0	18.03	18.36	18.26	20	0
5	64QAM	1	12	18.05	18.26	18.08		
5	64QAM	1	24	18.16	18.24	18.21		
5	64QAM	12	0	18.16	18.08	18.00	20	0
5	64QAM	12	7	18.24	18.10	18.09		
5	64QAM	12	13	18.14	18.06	18.21		
5	64QAM	25	0	18.03	18.08	18.00		

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		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	19.37	19.59	19.28	21	0
20	QPSK	1	49	19.37	19.35	19.40		
20	QPSK	1	99	19.37	19.40	19.29		
20	QPSK	50	0	19.32	19.45	19.32	21	0
20	QPSK	50	24	19.06	19.01	19.11		
20	QPSK	50	50	19.15	19.19	19.41		
20	QPSK	100	0	19.15	19.23	19.09		
20	16QAM	1	0	19.16	19.20	19.17	21	0
20	16QAM	1	49	19.17	19.12	19.34		
20	16QAM	1	99	19.33	19.14	19.34		
20	16QAM	50	0	19.38	19.32	19.29	21	0
20	16QAM	50	24	19.22	19.19	19.27		
20	16QAM	50	50	19.13	19.36	19.20		
20	16QAM	100	0	19.13	19.05	19.03		
20	64QAM	1	0	19.21	19.17	19.42	21	0
20	64QAM	1	49	19.09	19.40	19.16		
20	64QAM	1	99	19.26	19.17	19.29		
20	64QAM	50	0	19.25	19.30	19.26	21	0
20	64QAM	50	24	19.19	19.16	19.24		
20	64QAM	50	50	19.10	19.25	19.16		
20	64QAM	100	0	19.22	19.24	19.22		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	19.40	19.47	19.46	21	0
15	QPSK	1	37	19.43	19.31	19.37		
15	QPSK	1	74	19.45	19.34	19.43		
15	QPSK	36	0	19.44	19.54	19.42	21	0
15	QPSK	36	20	19.52	19.54	19.48		
15	QPSK	36	39	19.56	19.46	19.49		
15	QPSK	75	0	19.56	19.46	19.45		
15	16QAM	1	0	19.42	19.34	19.35	21	0
15	16QAM	1	37	19.20	19.14	19.19		
15	16QAM	1	74	19.26	19.32	19.27		
15	16QAM	36	0	19.12	19.19	19.09	21	0
15	16QAM	36	20	19.15	19.08	19.07		
15	16QAM	36	39	19.19	19.02	19.09		
15	16QAM	75	0	19.07	19.08	19.01		
15	64QAM	1	0	19.34	19.37	19.45	21	0
15	64QAM	1	37	19.21	19.39	19.43		
15	64QAM	1	74	19.34	19.26	19.37		
15	64QAM	36	0	19.38	19.35	19.28	21	0
15	64QAM	36	20	19.31	19.23	19.24		
15	64QAM	36	39	19.35	19.18	19.26		
15	64QAM	75	0	19.28	19.38	19.33		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	19.29	19.26	19.25	21	0
10	QPSK	1	25	19.26	19.37	19.46		
10	QPSK	1	49	19.32	19.33	19.47		
10	QPSK	25	0	19.33	19.41	19.52	21	0
10	QPSK	25	12	19.36	19.42	19.50		
10	QPSK	25	25	19.33	19.39	19.51		
10	QPSK	50	0	19.37	19.44	19.52		
10	16QAM	1	0	19.22	19.32	19.46	21	0
10	16QAM	1	25	19.11	19.21	19.31		
10	16QAM	1	49	19.18	19.26	19.33		
10	16QAM	25	0	19.12	19.19	19.29	21	0
10	16QAM	25	12	19.10	19.20	19.29		
10	16QAM	25	25	19.12	19.19	19.27		
10	16QAM	50	0	19.11	19.18	19.28		
10	64QAM	1	0	19.25	19.34	19.47	21	0
10	64QAM	1	25	19.17	19.28	19.37		
10	64QAM	1	49	19.24	19.27	19.39		
10	64QAM	25	0	19.09	19.17	19.29	21	0
10	64QAM	25	12	19.09	19.18	19.28		
10	64QAM	25	25	19.08	19.16	19.25		
10	64QAM	50	0	19.07	19.18	19.26		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	19.04	19.08	19.18	21	0
5	QPSK	1	12	19.31	19.35	19.16		
5	QPSK	1	24	19.40	19.24	19.12		
5	QPSK	12	0	19.31	19.22	19.09	21	0
5	QPSK	12	7	19.27	19.32	19.10		
5	QPSK	12	13	19.20	19.27	19.11		
5	QPSK	25	0	19.27	19.27	19.14		
5	16QAM	1	0	19.36	19.39	19.33	21	0
5	16QAM	1	12	19.48	19.32	19.19		
5	16QAM	1	24	19.46	19.51	19.29		
5	16QAM	12	0	19.13	19.09	19.06	21	0
5	16QAM	12	7	19.15	19.11	19.01		
5	16QAM	12	13	19.09	19.04	19.16		
5	16QAM	25	0	19.31	19.17	19.04		
5	64QAM	1	0	19.78	19.50	19.36	21	0
5	64QAM	1	12	19.56	19.65	19.30		
5	64QAM	1	24	19.65	19.55	19.39		
5	64QAM	12	0	19.23	19.24	19.09	21	0
5	64QAM	12	7	19.35	19.41	19.04		
5	64QAM	12	13	19.19	19.20	19.11		
5	64QAM	25	0	19.27	19.19	19.15		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	19.32	19.31	19.24	21	0
3	QPSK	1	8	19.18	19.35	19.25		
3	QPSK	1	14	19.25	19.26	19.10		
3	QPSK	8	0	19.36	19.32	19.28	21	0
3	QPSK	8	4	19.46	19.43	19.31		
3	QPSK	8	7	19.38	19.35	19.14		
3	QPSK	15	0	19.37	19.37	19.25		
3	16QAM	1	0	19.67	19.61	19.51	21	0
3	16QAM	1	8	19.72	19.75	19.62		
3	16QAM	1	14	19.74	19.77	19.37		
3	16QAM	8	0	19.20	19.18	19.17	21	0
3	16QAM	8	4	19.33	19.39	19.10		
3	16QAM	8	7	19.14	19.30	19.10		
3	16QAM	15	0	19.19	19.17	19.00		
3	64QAM	1	0	19.55	19.43	19.33	21	0
3	64QAM	1	8	19.59	19.57	19.43		
3	64QAM	1	14	19.60	19.67	19.36		
3	64QAM	8	0	19.34	19.23	19.17	21	0
3	64QAM	8	4	19.27	19.36	19.22		
3	64QAM	8	7	19.31	19.29	19.07		
3	64QAM	15	0	19.23	19.23	19.10		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	19.23	19.39	19.40	21	0
1.4	QPSK	1	3	19.41	19.54	19.45		
1.4	QPSK	1	5	19.30	19.40	19.39		
1.4	QPSK	3	0	19.46	19.54	19.40		
1.4	QPSK	3	1	19.41	19.44	19.49		
1.4	QPSK	3	3	19.39	19.53	19.55		
1.4	QPSK	6	0	19.39	19.53	19.45	21	0
1.4	16QAM	1	0	19.50	19.27	19.31	21	0
1.4	16QAM	1	3	19.31	19.31	19.23		
1.4	16QAM	1	5	19.31	19.43	19.46		
1.4	16QAM	3	0	19.22	19.27	19.25		
1.4	16QAM	3	1	19.38	19.37	19.42		
1.4	16QAM	3	3	19.13	19.24	19.31		
1.4	16QAM	6	0	19.31	19.43	19.34	21	0
1.4	64QAM	1	0	19.29	19.46	19.33	21	0
1.4	64QAM	1	3	19.44	19.52	19.43		
1.4	64QAM	1	5	19.37	19.52	19.37		
1.4	64QAM	3	0	19.53	19.43	19.55		
1.4	64QAM	3	1	19.31	19.55	19.43		
1.4	64QAM	3	3	19.28	19.38	19.41		
1.4	64QAM	6	0	19.18	19.30	19.31	21	0

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				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.99	20.16	20.02	21.5	0
20	QPSK	1	49	19.66	19.90	20.08		
20	QPSK	1	99	19.82	20.05	19.93		
20	QPSK	50	0	19.87	20.00	20.00	21.5	0
20	QPSK	50	24	19.94	19.94	20.02		
20	QPSK	50	50	19.81	19.98	20.06		
20	QPSK	100	0	19.96	19.92	20.05		
20	16QAM	1	0	20.01	20.00	19.96	21.5	0
20	16QAM	1	49	19.79	19.93	19.91		
20	16QAM	1	99	19.73	19.98	19.96		
20	16QAM	50	0	19.67	19.84	19.71	21.5	0
20	16QAM	50	24	19.77	19.79	19.95		
20	16QAM	50	50	19.78	19.87	19.89		
20	16QAM	100	0	19.70	19.85	19.81		
20	64QAM	1	0	19.65	19.68	19.89	21.5	0
20	64QAM	1	49	19.56	19.88	19.75		
20	64QAM	1	99	19.68	19.75	19.88		
20	64QAM	50	0	19.73	19.86	19.88	21.5	0
20	64QAM	50	24	19.84	19.84	19.92		
20	64QAM	50	50	19.70	19.91	19.91		
20	64QAM	100	0	19.81	19.76	19.79		
Channel				37525	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.75	19.90	20.05	21.5	0
15	QPSK	1	37	19.69	19.87	19.89		
15	QPSK	1	74	19.90	20.06	20.03		
15	QPSK	36	0	19.88	19.81	19.93	21.5	0
15	QPSK	36	20	19.87	19.93	19.86		
15	QPSK	36	39	19.89	19.95	20.03		
15	QPSK	75	0	19.82	19.95	20.04		
15	16QAM	1	0	19.80	20.00	19.95	21.5	0
15	16QAM	1	37	19.79	19.84	19.85		
15	16QAM	1	74	19.72	19.99	20.02		
15	16QAM	36	0	19.55	19.71	19.80	21.5	0
15	16QAM	36	20	19.78	19.77	19.93		
15	16QAM	36	39	19.69	19.73	19.85		
15	16QAM	75	0	19.72	19.76	19.92		
15	64QAM	1	0	19.50	19.64	19.74	21.5	0
15	64QAM	1	37	19.52	19.85	19.91		
15	64QAM	1	74	19.66	19.58	19.74		
15	64QAM	36	0	19.92	19.82	19.80	21.5	0
15	64QAM	36	20	19.72	19.87	20.01		
15	64QAM	36	39	19.75	19.84	20.11		
15	64QAM	75	0	19.75	19.83	19.99		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.75	20.11	20.08	21.5	0
10	QPSK	1	25	19.94	20.05	20.07		
10	QPSK	1	49	19.92	19.99	20.10		
10	QPSK	25	0	20.08	20.06	20.08	21.5	0
10	QPSK	25	12	20.03	20.05	20.09		
10	QPSK	25	25	19.99	20.02	19.95		
10	QPSK	50	0	19.83	19.89	20.05		
10	16QAM	1	0	19.80	20.00	20.06	21.5	0
10	16QAM	1	25	19.99	19.92	20.12		
10	16QAM	1	49	19.82	19.83	20.02		
10	16QAM	25	0	19.91	20.01	19.95	21.5	0
10	16QAM	25	12	19.83	19.90	20.03		
10	16QAM	25	25	19.66	20.01	20.07		
10	16QAM	50	0	19.78	19.89	20.08		
10	64QAM	1	0	19.98	19.98	19.90	21.5	0
10	64QAM	1	25	19.71	19.81	19.89		
10	64QAM	1	49	19.70	20.04	19.80		
10	64QAM	25	0	19.97	20.04	20.10	21.5	0
10	64QAM	25	12	19.96	20.04	20.09		
10	64QAM	25	25	19.96	19.90	20.13		
10	64QAM	50	0	19.85	19.95	20.05		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.99	20.03	20.15	21.5	0
5	QPSK	1	12	19.90	19.97	20.08		
5	QPSK	1	24	19.88	20.06	20.14		
5	QPSK	12	0	19.98	20.06	20.14	21.5	0
5	QPSK	12	7	20.04	20.11	20.05		
5	QPSK	12	13	19.95	20.15	20.04		
5	QPSK	25	0	20.02	19.97	20.05		
5	16QAM	1	0	19.93	20.04	20.09	21.5	0
5	16QAM	1	12	19.98	20.11	19.92		
5	16QAM	1	24	19.85	20.13	20.08		
5	16QAM	12	0	19.78	19.86	20.04	21.5	0
5	16QAM	12	7	19.83	19.93	20.07		
5	16QAM	12	13	19.76	19.98	20.00		
5	16QAM	25	0	19.82	19.83	20.09		
5	64QAM	1	0	19.98	19.63	19.79	21.5	0
5	64QAM	1	12	19.87	19.55	19.62		
5	64QAM	1	24	19.82	19.69	19.77		
5	64QAM	12	0	19.87	19.97	20.13	21.5	0
5	64QAM	12	7	19.93	20.00	20.05		
5	64QAM	12	13	19.91	20.00	20.07		
5	64QAM	25	0	19.84	19.95	20.03		

Band 41 (2.6G Band)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.95	19.98	20.28	20.04	20.08	21.5	0
20	QPSK	1	49	20.03	19.99	20.18	20.23	19.97		
20	QPSK	1	99	20.10	20.00	20.23	20.17	20.24		
20	QPSK	50	0	19.90	19.89	20.00	20.15	20.20	21.5	0
20	QPSK	50	24	19.98	19.94	20.08	20.17	20.26		
20	QPSK	50	50	20.01	19.94	20.05	20.20	20.27		
20	QPSK	100	0	19.99	19.94	20.06	20.19	20.24		
20	16QAM	1	0	19.97	19.95	19.90	19.94	19.97	21.5	0
20	16QAM	1	49	20.01	19.95	19.70	19.89	19.95		
20	16QAM	1	99	20.10	20.03	19.79	20.03	19.97		
20	16QAM	50	0	20.01	20.00	19.78	19.92	19.97	21.5	0
20	16QAM	50	24	20.06	20.05	19.83	19.95	20.00		
20	16QAM	50	50	20.08	20.03	19.81	19.99	20.06		
20	16QAM	100	0	20.07	20.06	19.83	19.95	20.00		
20	64QAM	1	0	19.80	19.71	19.71	19.78	19.85	21.5	0
20	64QAM	1	49	19.82	19.81	19.77	19.70	19.78		
20	64QAM	1	99	20.01	19.87	19.74	19.89	19.86		
20	64QAM	50	0	19.86	19.84	19.59	19.79	19.81	21.5	0
20	64QAM	50	24	19.91	19.91	19.71	19.80	19.88		
20	64QAM	50	50	19.96	19.87	19.68	19.84	19.92		
20	64QAM	100	0	20.06	20.00	19.76	19.90	19.96		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.80	19.96	19.92	20.03	20.06	21.5	0
15	QPSK	1	37	19.84	19.84	19.93	20.13	19.65		
15	QPSK	1	74	19.95	19.95	20.07	20.14	19.73		
15	QPSK	36	0	20.00	20.01	20.01	19.62	19.62	21.5	0
15	QPSK	36	20	20.07	20.03	20.11	19.77	19.66		
15	QPSK	36	39	20.05	20.04	20.11	19.70	19.76		
15	QPSK	75	0	20.05	20.02	20.10	19.66	19.62		
15	16QAM	1	0	19.71	19.72	19.61	19.68	19.73	21.5	0
15	16QAM	1	37	19.74	19.82	19.65	19.67	19.68		
15	16QAM	1	74	20.06	20.01	19.63	19.83	19.91		
15	16QAM	36	0	19.90	19.88	19.93	19.85	19.76	21.5	0
15	16QAM	36	20	19.91	19.92	19.94	19.52	19.87		
15	16QAM	36	39	19.95	19.91	19.99	19.79	19.88		
15	16QAM	75	0	20.00	19.92	19.87	19.85	19.71		
15	64QAM	1	0	19.86	19.84	19.90	19.83	19.86	21.5	0
15	64QAM	1	37	19.89	19.80	19.95	19.85	19.71		
15	64QAM	1	74	19.96	19.94	20.05	19.83	19.66		
15	64QAM	36	0	19.70	19.70	19.77	19.94	19.94	21.5	0
15	64QAM	36	20	19.76	19.72	19.84	19.96	20.04		
15	64QAM	36	39	19.80	19.73	19.84	19.99	20.12		
15	64QAM	75	0	19.78	19.74	19.82	19.84	19.96		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.05	20.03	20.04	19.71	19.65	21.5	0
10	QPSK	1	25	19.85	19.97	19.89	19.75	19.78		
10	QPSK	1	49	19.63	20.03	19.71	19.89	19.76		
10	QPSK	25	0	19.72	19.63	19.96	19.71	19.76	21.5	0
10	QPSK	25	12	19.75	19.65	19.72	19.79	19.89		
10	QPSK	25	25	19.76	19.68	19.71	19.74	19.89		
10	QPSK	50	0	19.98	19.96	19.71	19.71	19.79		
10	16QAM	1	0	19.67	19.68	19.83	19.87	19.92	21.5	0
10	16QAM	1	25	19.72	19.70	19.77	19.90	19.98		
10	16QAM	1	49	19.72	19.62	19.71	19.92	20.00		
10	16QAM	25	0	19.86	19.77	19.91	20.02	20.10	21.5	0
10	16QAM	25	12	19.89	19.86	19.99	20.08	20.14		
10	16QAM	25	25	19.90	19.85	19.96	20.07	20.14		
10	16QAM	50	0	19.65	19.60	19.96	20.07	19.65		
10	64QAM	1	0	19.86	19.78	19.80	19.99	20.09	21.5	0
10	64QAM	1	25	19.89	19.84	19.93	20.08	20.00		
10	64QAM	1	49	19.89	19.80	19.92	20.06	20.13		
10	64QAM	25	0	19.89	19.64	19.76	19.83	19.88	21.5	0
10	64QAM	25	12	20.05	19.87	20.00	19.64	19.89		
10	64QAM	25	25	19.89	20.03	19.89	19.89	20.04		
10	64QAM	50	0	19.79	19.81	19.60	19.72	19.76		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.01	19.98	19.90	19.78	20.16	21.5	0
5	QPSK	1	12	19.98	19.73	19.83	19.94	20.20		
5	QPSK	1	24	20.01	19.88	20.14	19.85	20.04		
5	QPSK	12	0	20.03	19.74	20.23	20.06	20.08	21.5	0
5	QPSK	12	7	20.08	19.74	20.08	20.13	19.88		
5	QPSK	12	13	20.07	19.73	20.18	20.09	19.98		
5	QPSK	25	0	20.07	19.94	20.22	19.98	19.94		
5	16QAM	1	0	19.88	19.91	20.20	20.11	20.06	21.5	0
5	16QAM	1	12	19.83	20.06	19.85	20.21	19.98		
5	16QAM	1	24	19.82	19.99	20.03	20.19	20.06		
5	16QAM	12	0	20.00	19.94	20.23	19.95	19.88	21.5	0
5	16QAM	12	7	20.05	19.86	20.24	20.02	19.87		
5	16QAM	12	13	20.03	19.82	20.24	20.05	19.76		
5	16QAM	25	0	20.07	19.98	19.82	19.98	19.88		
5	64QAM	1	0	19.94	19.97	20.06	19.94	20.00	21.5	0
5	64QAM	1	12	19.86	20.04	20.13	19.72	20.12		
5	64QAM	1	24	20.01	20.06	19.92	19.92	19.98		
5	64QAM	12	0	19.79	20.07	19.99	19.90	20.12	21.5	0
5	64QAM	12	7	19.83	20.10	20.03	19.81	20.14		
5	64QAM	12	13	19.84	20.09	20.06	19.80	20.12		
5	64QAM	25	0	19.82	20.07	20.02	19.89	20.08		

Band 41 (2.6G Band)HPUE

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.18	20.25	20.61	20.55	20.53	21.5	0
20	QPSK	1	49	20.29	20.26	20.41	20.50	20.56		
20	QPSK	1	99	20.37	20.29	20.44	20.40	20.45		
20	QPSK	50	0	19.90	19.87	19.98	20.16	20.17	21.5	0
20	QPSK	50	24	19.92	19.95	20.07	20.20	20.25		
20	QPSK	50	50	20.02	19.93	20.07	20.21	20.27		
20	QPSK	100	0	19.96	19.95	20.05	20.20	20.24		
20	16QAM	1	0	19.99	19.97	20.25	20.39	20.35	21.5	0
20	16QAM	1	49	20.03	20.00	20.11	20.23	20.30		
20	16QAM	1	99	20.14	20.11	20.20	20.40	20.44		
20	16QAM	50	0	19.93	19.92	20.01	20.19	20.21	21.5	0
20	16QAM	50	24	20.01	19.98	20.10	20.21	20.28		
20	16QAM	50	50	20.01	19.97	20.07	20.22	20.32		
20	16QAM	100	0	20.00	19.96	20.06	20.20	20.27		
20	64QAM	1	0	19.85	19.80	20.09	20.15	20.25	21.5	0
20	64QAM	1	49	19.87	19.84	20.11	20.08	20.11		
20	64QAM	1	99	20.00	19.96	20.14	20.28	20.14		
20	64QAM	50	0	19.86	19.85	19.93	20.12	20.13	21.5	0
20	64QAM	50	24	19.93	19.91	20.02	20.13	20.21		
20	64QAM	50	50	19.98	19.92	20.02	20.17	20.25		
20	64QAM	100	0	20.01	20.00	20.12	20.23	20.29		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.76	19.83	19.92	20.04	20.06	21.5	0
15	QPSK	1	37	19.80	19.78	19.89	20.05	20.13		
15	QPSK	1	74	19.87	19.83	19.94	20.12	20.14		
15	QPSK	36	0	19.91	19.94	19.98	20.17	20.21	21.5	0
15	QPSK	36	20	20.02	19.94	20.08	20.21	20.28		
15	QPSK	36	39	20.00	19.94	20.05	20.18	20.27		
15	QPSK	75	0	20.00	19.94	20.06	20.18	20.25		
15	16QAM	1	0	20.04	19.95	19.93	20.30	20.36	21.5	0
15	16QAM	1	37	20.02	20.12	20.05	20.25	20.09		
15	16QAM	1	74	20.14	20.05	20.17	20.04	20.35		
15	16QAM	36	0	19.90	19.88	19.96	20.14	20.20	21.5	0
15	16QAM	36	20	19.95	19.82	20.06	20.17	20.24		
15	16QAM	36	39	19.99	19.88	20.05	20.18	20.28		
15	16QAM	75	0	20.00	19.91	20.10	20.20	20.27		
15	64QAM	1	0	19.89	19.94	20.08	20.13	20.20	21.5	0
15	64QAM	1	37	19.91	19.87	20.06	20.12	20.15		
15	64QAM	1	74	19.96	20.05	20.15	20.27	20.37		
15	64QAM	36	0	19.95	19.92	19.98	20.17	20.20	21.5	0
15	64QAM	36	20	19.99	19.94	20.07	20.17	20.24		
15	64QAM	36	39	19.99	19.96	20.05	20.21	20.27		
15	64QAM	75	0	19.99	19.95	20.07	20.21	20.27		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.90	19.95	19.93	20.10	20.13	21.5	0
10	QPSK	1	25	19.95	19.94	19.95	20.20	20.27		
10	QPSK	1	49	20.03	19.87	20.02	20.19	20.32		
10	QPSK	25	0	20.11	20.07	20.07	20.31	20.37	21.5	0
10	QPSK	25	12	20.12	20.10	20.05	20.34	20.40		
10	QPSK	25	25	20.14	20.11	20.22	20.33	20.41		
10	QPSK	50	0	20.13	20.11	20.21	20.33	20.38	21.5	0
10	16QAM	1	0	20.25	20.21	20.27	20.42	20.53		
10	16QAM	1	25	20.21	20.18	20.25	20.22	20.51		
10	16QAM	1	49	20.17	20.11	20.23	20.27	20.55		
10	16QAM	25	0	20.15	20.11	20.11	20.13	20.21	21.5	0
10	16QAM	25	12	20.16	20.15	20.24	20.24	20.40		
10	16QAM	25	25	20.15	20.14	20.23	20.28	20.35		
10	16QAM	50	0	20.15	20.13	20.23	20.23	20.33	21.5	0
10	64QAM	1	0	20.17	20.16	20.24	20.37	20.44		
10	64QAM	1	25	20.09	20.11	20.20	20.34	20.44		
10	64QAM	1	49	20.18	20.08	20.25	20.40	20.49		
10	64QAM	25	0	20.07	20.04	20.11	20.32	20.36	21.5	0
10	64QAM	25	12	20.13	20.09	20.20	20.38	20.41		
10	64QAM	25	25	20.14	20.09	20.18	20.35	20.40		
10	64QAM	50	0	20.07	20.05	20.15	20.30	20.40	21.5	0
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.94	20.14	20.09	19.99	20.21	21.5	0
5	QPSK	1	12	20.02	20.20	20.14	20.09	20.24		
5	QPSK	1	24	19.98	20.18	20.22	20.03	20.27		
5	QPSK	12	0	20.06	20.29	20.28	20.10	20.32	21.5	0
5	QPSK	12	7	20.09	20.32	20.27	20.13	20.38		
5	QPSK	12	13	20.08	20.31	20.23	20.11	20.34		
5	QPSK	25	0	20.05	20.29	20.25	20.12	20.35	21.5	0
5	16QAM	1	0	19.96	20.31	20.23	20.11	20.39		
5	16QAM	1	12	20.19	20.26	20.41	20.15	20.32		
5	16QAM	1	24	20.24	20.22	20.38	20.07	20.32		
5	16QAM	12	0	20.07	20.30	20.17	20.18	20.39	21.5	0
5	16QAM	12	7	20.13	20.33	20.14	20.21	20.43		
5	16QAM	12	13	20.10	20.34	20.17	20.19	20.43		
5	16QAM	25	0	20.09	20.32	20.10	20.17	20.41	21.5	0
5	64QAM	1	0	20.13	20.29	20.21	20.17	20.43		
5	64QAM	1	12	20.07	20.28	20.36	20.17	20.44		
5	64QAM	1	24	20.12	20.34	20.47	20.22	20.56		
5	64QAM	12	0	20.03	20.28	20.25	20.12	20.29	21.5	0
5	64QAM	12	7	20.08	20.32	20.26	20.18	20.40		
5	64QAM	12	13	19.99	20.29	20.23	20.13	20.38		
5	64QAM	25	0	19.91	20.24	20.20	20.13	20.33		

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)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
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	13.50	13.57	13.56	14.50
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 (dBm)	CDMA BC10			Tune-up Limit (dBm)
TX Channel	1013	384	777		476	580	684	
Frequency (MHz)	824.7	836.52	848.31		817.9	820.5	823.1	
RC1 SO55	23.65	23.58	23.48	24.00	23.61	23.67	23.84	24.00
RC3 SO55	23.67	23.70	23.45	24.00	23.70	23.93	23.84	24.00
RC3 SO32 (F+SCH)	23.56	23.61	23.46	24.00	23.69	23.78	23.85	24.00
RC3 SO32 (+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 4096Bits	23.61	23.65	23.58	24.00	23.77	23.81	23.87	24.00

FCC-FD-LTE_ENDC head Ant2

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	12.24	12.23	12.28	13	0
20	QPSK	1	49	12.23	12.25	12.30		
20	QPSK	1	99	12.16	12.24	12.28		
20	QPSK	50	0	12.23	12.26	12.33	13	0
20	QPSK	50	24	12.28	12.28	12.32		
20	QPSK	50	50	12.27	12.25	12.33		
20	QPSK	100	0	11.94	12.08	12.11		
20	16QAM	1	0	12.17	12.15	12.28	13	0
20	16QAM	1	49	12.20	12.22	12.02		
20	16QAM	1	99	12.33	12.29	12.10		
20	16QAM	50	0	11.98	12.03	12.09	13	0
20	16QAM	50	24	12.00	12.09	12.21		
20	16QAM	50	50	12.00	12.02	12.06		
20	16QAM	100	0	12.13	12.11	12.17		
20	64QAM	1	0	12.04	12.13	12.26	13	0
20	64QAM	1	49	12.23	12.28	12.21		
20	64QAM	1	99	12.19	12.17	12.23		
20	64QAM	50	0	12.20	12.13	12.17	13	0
20	64QAM	50	24	12.29	12.29	12.31		
20	64QAM	50	50	12.09	12.19	12.24		
20	64QAM	100	0	12.04	12.02	12.16		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	11.99	12.03	12.13	13	0
15	QPSK	1	37	12.04	12.07	12.20		
15	QPSK	1	74	11.97	12.05	12.14		
15	QPSK	36	0	12.08	12.14	12.16	13	0
15	QPSK	36	20	12.13	12.12	12.21		
15	QPSK	36	39	12.06	12.10	12.18		
15	QPSK	75	0	12.13	12.12	12.12		
15	16QAM	1	0	12.28	12.26	12.10	13	0
15	16QAM	1	37	12.03	12.10	12.10		
15	16QAM	1	74	12.34	12.03	12.22		
15	16QAM	36	0	12.17	12.15	12.20	13	0
15	16QAM	36	20	12.19	12.27	12.25		
15	16QAM	36	39	12.12	12.11	12.26		
15	16QAM	75	0	12.16	12.10	12.16		
15	64QAM	1	0	12.14	12.32	12.10	13	0
15	64QAM	1	37	12.03	12.13	12.10		
15	64QAM	1	74	12.22	12.10	12.31		
15	64QAM	36	0	12.22	12.20	12.09	13	0
15	64QAM	36	20	12.04	12.23	12.23		
15	64QAM	36	39	12.07	12.26	12.23		
15	64QAM	75	0	12.23	12.04	12.12		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	12.11	12.14	12.02	13	0
10	QPSK	1	25	12.01	12.04	11.99		
10	QPSK	1	49	12.05	12.05	12.05		
10	QPSK	25	0	12.08	12.20	12.20	13	0
10	QPSK	25	12	12.14	12.17	12.19		
10	QPSK	25	25	12.07	12.19	12.21		
10	QPSK	50	0	12.18	12.19	12.20		
10	16QAM	1	0	12.01	12.04	12.28	13	0
10	16QAM	1	25	12.24	12.32	12.10		
10	16QAM	1	49	12.33	12.35	12.35		
10	16QAM	25	0	12.11	12.19	12.25	13	0
10	16QAM	25	12	12.08	12.18	12.24		
10	16QAM	25	25	12.15	12.10	12.22		
10	16QAM	50	0	12.09	12.18	12.23		
10	64QAM	1	0	12.15	12.25	12.19	13	0
10	64QAM	1	25	12.27	12.17	12.31		
10	64QAM	1	49	12.27	12.21	12.27		
10	64QAM	25	0	12.10	12.17	12.21	13	0
10	64QAM	25	12	12.07	12.14	12.21		
10	64QAM	25	25	12.09	12.13	12.21		
10	64QAM	50	0	12.08	12.15	12.12		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	12.10	12.06	12.27	13	0
5	QPSK	1	12	12.21	12.10	12.25		
5	QPSK	1	24	11.96	12.10	12.26		
5	QPSK	12	0	11.92	12.22	12.15	13	0
5	QPSK	12	7	11.91	11.92	12.20		
5	QPSK	12	13	11.88	12.12	12.18		
5	QPSK	25	0	12.01	12.07	12.17		
5	16QAM	1	0	11.95	12.23	12.23	13	0
5	16QAM	1	12	12.00	12.13	12.10		
5	16QAM	1	24	12.18	12.27	12.03		
5	16QAM	12	0	11.90	12.17	12.23	13	0
5	16QAM	12	7	11.93	12.16	12.33		
5	16QAM	12	13	11.96	12.12	12.20		
5	16QAM	25	0	12.00	12.15	12.26		
5	64QAM	1	0	12.01	12.24	12.21	13	0
5	64QAM	1	12	12.06	12.13	12.16		
5	64QAM	1	24	12.21	12.11	12.31		
5	64QAM	12	0	11.90	12.10	12.10	13	0
5	64QAM	12	7	11.99	12.22	12.03		
5	64QAM	12	13	12.23	12.18	12.04		
5	64QAM	25	0	12.07	12.01	12.17		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	12.08	12.13	11.96	13	0
3	QPSK	1	8	12.07	12.05	12.03		
3	QPSK	1	14	12.10	12.02	12.01		
3	QPSK	8	0	12.14	12.18	12.05	13	0
3	QPSK	8	4	12.10	12.22	12.22		
3	QPSK	8	7	12.17	12.19	12.13		
3	QPSK	15	0	12.15	12.27	12.02		
3	16QAM	1	0	12.10	12.10	12.19	13	0
3	16QAM	1	8	12.03	12.24	12.19		
3	16QAM	1	14	12.26	12.21	12.35		
3	16QAM	8	0	12.20	12.21	11.99	13	0
3	16QAM	8	4	12.09	12.15	12.13		
3	16QAM	8	7	12.04	12.22	12.07		
3	16QAM	15	0	12.08	12.26	11.89		
3	64QAM	1	0	12.16	12.26	12.13	13	0
3	64QAM	1	8	12.13	12.11	12.06		
3	64QAM	1	14	11.98	12.18	12.17		
3	64QAM	8	0	12.10	12.07	12.05	13	0
3	64QAM	8	4	12.12	12.02	12.12		
3	64QAM	8	7	12.11	12.10	12.21		
3	64QAM	15	0	12.09	12.06	12.07		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	11.95	12.23	12.23	13	0
1.4	QPSK	1	3	12.00	12.13	12.10		
1.4	QPSK	1	5	12.18	12.27	12.03		
1.4	QPSK	3	0	11.90	12.17	12.23		
1.4	QPSK	3	1	11.93	12.16	12.33		
1.4	QPSK	3	3	11.96	12.12	12.20		
1.4	QPSK	6	0	12.00	12.15	12.26	13	0
1.4	16QAM	1	0	12.01	12.24	12.21	13	0
1.4	16QAM	1	3	12.24	12.32	12.10		
1.4	16QAM	1	5	12.33	12.35	12.35		
1.4	16QAM	3	0	12.11	12.19	12.25		
1.4	16QAM	3	1	12.08	12.18	12.24		
1.4	16QAM	3	3	12.15	12.10	12.22		
1.4	16QAM	6	0	12.09	12.18	12.23	13	0
1.4	64QAM	1	0	12.15	12.25	12.19	13	0
1.4	64QAM	1	3	12.09	12.15	12.13		
1.4	64QAM	1	5	12.04	12.22	12.07		
1.4	64QAM	3	0	12.08	12.26	11.89		
1.4	64QAM	3	1	12.16	12.26	12.13		
1.4	64QAM	3	3	12.13	12.11	12.06		
1.4	64QAM	6	0	11.96	12.12	12.20	13	0

Band 5 (Celluar Band) Part 22H(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				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	18.29	18.36	18.28	19	0
10	QPSK	1	25	18.22	18.23	18.15		
10	QPSK	1	49	18.22	18.24	18.00		
10	QPSK	25	0	18.31	18.32	18.18	19	0
10	QPSK	25	12	18.12	18.21	18.27		
10	QPSK	25	25	18.29	18.17	18.17		
10	QPSK	50	0	18.23	18.24	18.22		
10	16QAM	1	0	18.24	18.25	18.32	19	0
10	16QAM	1	25	17.90	18.11	18.25		
10	16QAM	1	49	18.17	18.21	18.28		
10	16QAM	25	0	18.06	18.06	18.01	19	0
10	16QAM	25	12	18.17	18.07	18.09		
10	16QAM	25	25	18.12	18.10	17.97		
10	16QAM	50	0	18.14	18.06	17.93		
10	64QAM	1	0	18.15	18.15	18.09	19	0
10	64QAM	1	25	18.18	18.16	17.92		
10	64QAM	1	49	18.09	18.10	18.12		
10	64QAM	25	0	18.32	18.22	18.13	19	0
10	64QAM	25	12	18.30	18.30	18.26		
10	64QAM	25	25	18.19	18.14	18.10		
10	64QAM	50	0	18.33	18.27	18.02		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	18.24	18.11	18.02	19	0
5	QPSK	1	12	18.20	18.25	18.15		
5	QPSK	1	24	18.32	18.19	18.08		
5	QPSK	12	0	18.33	18.19	18.16	19	0
5	QPSK	12	7	18.30	18.21	18.16		
5	QPSK	12	13	18.26	18.19	18.18		
5	QPSK	25	0	18.32	18.24	18.10		
5	16QAM	1	0	18.21	18.23	18.07	19	0
5	16QAM	1	12	18.28	18.34	18.13		
5	16QAM	1	24	18.34	18.01	18.18		
5	16QAM	12	0	18.20	18.03	17.98	19	0
5	16QAM	12	7	18.15	18.04	17.93		
5	16QAM	12	13	18.10	18.03	17.98		
5	16QAM	25	0	18.14	18.02	17.91		
5	64QAM	1	0	18.12	18.20	18.01	19	0
5	64QAM	1	12	18.24	18.09	17.83		
5	64QAM	1	24	18.33	18.17	18.04		
5	64QAM	12	0	18.22	18.24	18.11	19	0
5	64QAM	12	7	18.12	18.25	18.13		
5	64QAM	12	13	18.32	18.25	18.05		
5	64QAM	25	0	18.35	18.21	18.12		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	18.31	18.28	18.19	19	0
3	QPSK	1	8	18.32	18.33	18.25		
3	QPSK	1	14	18.32	18.20	18.08		
3	QPSK	8	0	18.10	18.27	18.30	19	0
3	QPSK	8	4	17.99	18.32	18.20		
3	QPSK	8	7	18.23	18.29	18.17		
3	QPSK	15	0	18.00	18.33	18.19		
3	16QAM	1	0	18.12	18.31	18.14	19	0
3	16QAM	1	8	18.12	18.27	18.30		
3	16QAM	1	14	18.32	18.17	18.12		
3	16QAM	8	0	18.16	18.03	18.00	19	0
3	16QAM	8	4	18.17	18.04	18.02		
3	16QAM	8	7	18.17	18.11	17.98		
3	16QAM	15	0	18.17	18.01	18.01		
3	64QAM	1	0	18.21	18.09	18.05	19	0
3	64QAM	1	8	18.12	18.24	18.18		
3	64QAM	1	14	18.29	18.28	18.18		
3	64QAM	8	0	18.10	18.15	18.05	19	0
3	64QAM	8	4	18.01	18.27	18.09		
3	64QAM	8	7	18.02	18.21	18.00		
3	64QAM	15	0	18.31	18.15	18.03		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	18.33	18.27	18.11	19	0
1.4	QPSK	1	3	18.23	18.25	18.17		
1.4	QPSK	1	5	18.23	18.17	18.13		
1.4	QPSK	3	0	18.33	18.21	18.15		
1.4	QPSK	3	1	18.10	18.29	18.18		
1.4	QPSK	3	3	18.34	18.27	18.23		
1.4	QPSK	6	0	18.22	18.32	18.21	19	0
1.4	16QAM	1	0	18.29	18.02	18.14	19	0
1.4	16QAM	1	3	18.01	18.11	18.01		
1.4	16QAM	1	5	18.23	18.05	18.16		
1.4	16QAM	3	0	17.99	17.84	17.81		
1.4	16QAM	3	1	18.05	18.03	17.92		
1.4	16QAM	3	3	18.04	17.83	17.77		
1.4	16QAM	6	0	18.10	17.96	17.94	19	0
1.4	64QAM	1	0	18.14	17.99	18.02	19	0
1.4	64QAM	1	3	18.08	18.09	17.98		
1.4	64QAM	1	5	18.13	18.05	17.97		
1.4	64QAM	3	0	17.72	17.67	17.92		
1.4	64QAM	3	1	17.77	17.74	17.99		
1.4	64QAM	3	3	17.69	17.93	17.60		
1.4	64QAM	6	0	18.21	18.11	18.20	19	0

Band 12 (700MHz Low Band) Part 27F(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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	19.77	19.86	19.81	21	0
10	QPSK	1	25	19.67	19.71	19.64		
10	QPSK	1	49	19.54	19.41	19.45		
10	QPSK	25	0	19.70	19.74	19.71	21	0
10	QPSK	25	12	19.66	19.66	19.73		
10	QPSK	25	25	19.71	19.67	19.68		
10	QPSK	50	0	19.34	19.62	19.58		
10	16QAM	1	0	19.70	19.70	19.72	21	0
10	16QAM	1	25	19.70	19.70	19.40		
10	16QAM	1	49	19.58	19.39	19.57		
10	16QAM	25	0	19.53	19.53	19.46	21	0
10	16QAM	25	12	19.73	19.53	19.55		
10	16QAM	25	25	19.45	19.54	19.49		
10	16QAM	50	0	19.55	19.46	19.47		
10	64QAM	1	0	19.26	19.30	19.56	21	0
10	64QAM	1	25	19.34	19.62	19.26		
10	64QAM	1	49	19.51	19.28	19.53		
10	64QAM	25	0	19.20	19.12	19.12	21	0
10	64QAM	25	12	19.21	19.19	19.09		
10	64QAM	25	25	19.14	19.10	19.12		
10	64QAM	50	0	19.12	19.13	19.12		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	19.38	19.33	19.36	21	0
5	QPSK	1	12	19.42	19.54	19.45		
5	QPSK	1	24	19.48	19.41	19.44		
5	QPSK	12	0	19.62	19.52	19.56	21	0
5	QPSK	12	7	19.55	19.55	19.53		
5	QPSK	12	13	19.44	19.47	19.45		
5	QPSK	25	0	19.50	19.51	19.40		
5	16QAM	1	0	19.47	19.34	19.59	21	0
5	16QAM	1	12	19.53	19.62	19.49		
5	16QAM	1	24	19.62	19.51	19.50		
5	16QAM	12	0	19.72	19.73	19.73	21	0
5	16QAM	12	7	19.65	19.70	19.80		
5	16QAM	12	13	19.64	19.74	19.63		
5	16QAM	25	0	19.67	19.67	19.66		
5	64QAM	1	0	19.69	19.74	19.70	21	0
5	64QAM	1	12	19.59	19.79	19.69		
5	64QAM	1	24	19.34	19.53	19.45		
5	64QAM	12	0	19.33	19.49	19.34	21	0
5	64QAM	12	7	19.13	19.32	19.10		
5	64QAM	12	13	19.29	19.23	19.05		
5	64QAM	25	0	19.11	19.21	19.07		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	19.58	19.48	19.55	21	0
3	QPSK	1	8	19.61	19.58	19.64		
3	QPSK	1	14	19.45	19.52	19.47		
3	QPSK	8	0	19.62	19.57	19.62	21	0
3	QPSK	8	4	19.66	19.63	19.64		
3	QPSK	8	7	19.58	19.61	19.64		
3	QPSK	15	0	19.61	19.56	19.60		
3	16QAM	1	0	19.72	19.65	19.62	21	0
3	16QAM	1	8	19.73	19.64	19.78		
3	16QAM	1	14	19.72	19.63	19.62		
3	16QAM	8	0	19.85	19.72	19.71	21	0
3	16QAM	8	4	19.77	19.85	19.82		
3	16QAM	8	7	19.71	19.72	19.66		
3	16QAM	15	0	19.62	19.65	19.66		
3	64QAM	1	0	19.56	19.67	19.67	21	0
3	64QAM	1	8	19.65	19.66	19.54		
3	64QAM	1	14	19.66	19.76	19.82		
3	64QAM	8	0	19.32	19.23	19.23	21	0
3	64QAM	8	4	19.23	19.22	19.22		
3	64QAM	8	7	19.32	19.32	19.19		
3	64QAM	15	0	19.23	19.34	19.34		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	19.56	19.53	19.60	21	0
1.4	QPSK	1	3	19.59	19.60	19.60		
1.4	QPSK	1	5	19.50	19.51	19.48		
1.4	QPSK	3	0	19.59	19.50	19.58		
1.4	QPSK	3	1	19.66	19.59	19.64		
1.4	QPSK	3	3	19.59	19.54	19.52		
1.4	QPSK	6	0	19.63	19.55	19.65	21	0
1.4	16QAM	1	0	19.56	19.52	19.52	21	0
1.4	16QAM	1	3	19.55	19.50	19.22		
1.4	16QAM	1	5	19.42	19.41	19.19		
1.4	16QAM	3	0	19.46	19.35	19.39		
1.4	16QAM	3	1	19.45	19.47	19.50		
1.4	16QAM	3	3	19.41	19.47	19.34		
1.4	16QAM	6	0	19.46	19.44	19.51	21	0
1.4	64QAM	1	0	19.53	19.44	19.55	21	0
1.4	64QAM	1	3	19.47	19.66	19.64		
1.4	64QAM	1	5	19.36	19.39	19.33		
1.4	64QAM	3	0	19.53	19.43	19.48		
1.4	64QAM	3	1	19.55	19.28	19.31		
1.4	64QAM	3	3	19.64	19.60	19.55		
1.4	64QAM	6	0	19.59	19.45	19.43	21	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				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	12.32	12.36	12.24	13	0
20	QPSK	1	49	12.22	12.21	12.32		
20	QPSK	1	99	12.28	12.08	12.34		
20	QPSK	50	0	12.27	12.34	12.15	13	0
20	QPSK	50	24	12.27	12.20	12.26		
20	QPSK	50	50	12.19	12.19	12.33		
20	QPSK	100	0	12.24	12.27	12.25		
20	16QAM	1	0	12.10	12.22	12.10	13	0
20	16QAM	1	49	12.30	12.27	12.10		
20	16QAM	1	99	12.12	12.16	12.23		
20	16QAM	50	0	12.24	12.21	12.25	13	0
20	16QAM	50	24	12.24	12.16	12.30		
20	16QAM	50	50	12.18	12.10	12.22		
20	16QAM	100	0	12.21	12.09	12.10		
20	64QAM	1	0	12.29	12.19	11.79	13	0
20	64QAM	1	49	12.28	12.12	12.17		
20	64QAM	1	99	12.15	12.08	12.20		
20	64QAM	50	0	12.16	12.19	12.22	13	0
20	64QAM	50	24	12.15	11.97	12.30		
20	64QAM	50	50	11.95	12.08	12.35		
20	64QAM	100	0	12.02	12.19	12.17		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	12.08	12.13	11.96	13	0
15	QPSK	1	37	12.07	12.05	12.03		
15	QPSK	1	74	12.10	12.02	12.01		
15	QPSK	36	0	12.14	12.18	12.05	13	0
15	QPSK	36	20	12.10	12.22	12.22		
15	QPSK	36	39	12.17	12.19	12.13		
15	QPSK	75	0	12.15	12.27	12.02		
15	16QAM	1	0	12.10	12.10	12.19	13	0
15	16QAM	1	37	12.03	12.24	12.19		
15	16QAM	1	74	12.26	12.21	12.35		
15	16QAM	36	0	12.20	12.21	11.99	13	0
15	16QAM	36	20	12.09	12.15	12.13		
15	16QAM	36	39	12.04	12.22	12.07		
15	16QAM	75	0	12.08	12.26	11.89		
15	64QAM	1	0	12.16	12.26	12.13	13	0
15	64QAM	1	37	12.13	12.11	12.06		
15	64QAM	1	74	11.98	12.18	12.17		
15	64QAM	36	0	12.10	12.07	12.05	13	0
15	64QAM	36	20	12.12	12.02	12.12		
15	64QAM	36	39	12.11	12.10	12.21		
15	64QAM	75	0	12.09	12.06	12.07		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	12.10	12.06	12.27	13	0
10	QPSK	1	25	12.21	12.10	12.25		
10	QPSK	1	49	11.96	12.10	12.26		
10	QPSK	25	0	11.92	12.22	12.15	13	0
10	QPSK	25	12	11.91	11.92	12.20		
10	QPSK	25	25	11.88	12.12	12.18		
10	QPSK	50	0	12.01	12.07	12.17		
10	16QAM	1	0	11.95	12.23	12.23	13	0
10	16QAM	1	25	12.00	12.13	12.10		
10	16QAM	1	49	12.18	12.27	12.03		
10	16QAM	25	0	11.90	12.17	12.23	13	0
10	16QAM	25	12	11.93	12.16	12.33		
10	16QAM	25	25	11.96	12.12	12.20		
10	16QAM	50	0	12.00	12.15	12.26		
10	64QAM	1	0	12.01	12.24	12.21	13	0
10	64QAM	1	25	12.06	12.13	12.16		
10	64QAM	1	49	12.21	12.11	12.31		
10	64QAM	25	0	11.90	12.10	12.10	13	0
10	64QAM	25	12	11.99	12.22	12.03		
10	64QAM	25	25	12.23	12.18	12.04		
10	64QAM	50	0	12.07	12.01	12.17		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	12.11	12.14	12.02	13	0
5	QPSK	1	12	12.01	12.04	11.99		
5	QPSK	1	24	12.05	12.05	12.05		
5	QPSK	12	0	12.08	12.20	12.20	13	0
5	QPSK	12	7	12.14	12.17	12.19		
5	QPSK	12	13	12.07	12.19	12.21		
5	QPSK	25	0	12.18	12.19	12.20		
5	16QAM	1	0	12.01	12.04	12.28	13	0
5	16QAM	1	12	12.24	12.32	12.10		
5	16QAM	1	24	12.33	12.35	12.35		
5	16QAM	12	0	12.11	12.19	12.25	13	0
5	16QAM	12	7	12.08	12.18	12.24		
5	16QAM	12	13	12.15	12.10	12.22		
5	16QAM	25	0	12.09	12.18	12.23		
5	64QAM	1	0	12.15	12.25	12.19	13	0
5	64QAM	1	12	12.27	12.17	12.31		
5	64QAM	1	24	12.27	12.21	12.27		
5	64QAM	12	0	12.10	12.17	12.21	13	0
5	64QAM	12	7	12.07	12.14	12.21		
5	64QAM	12	13	12.09	12.13	12.21		
5	64QAM	25	0	12.08	12.15	12.12		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	11.99	12.03	12.13	13	0
3	QPSK	1	8	12.04	12.07	12.20		
3	QPSK	1	14	11.97	12.05	12.14		
3	QPSK	8	0	12.08	12.14	12.16	13	0
3	QPSK	8	4	12.13	12.12	12.21		
3	QPSK	8	7	12.06	12.10	12.18		
3	QPSK	15	0	12.13	12.12	12.12		
3	16QAM	1	0	12.28	12.26	12.10	13	0
3	16QAM	1	8	12.03	12.10	12.10		
3	16QAM	1	14	12.34	12.03	12.22		
3	16QAM	8	0	12.17	12.15	12.20	13	0
3	16QAM	8	4	12.19	12.27	12.25		
3	16QAM	8	7	12.12	12.11	12.26		
3	16QAM	15	0	12.16	12.10	12.16		
3	64QAM	1	0	12.14	12.32	12.10	13	0
3	64QAM	1	8	12.03	12.13	12.10		
3	64QAM	1	14	12.22	12.10	12.31		
3	64QAM	8	0	12.22	12.20	12.09	13	0
3	64QAM	8	4	12.04	12.23	12.23		
3	64QAM	8	7	12.07	12.26	12.23		
3	64QAM	15	0	12.23	12.04	12.12		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	12.24	12.23	12.28	13	0
1.4	QPSK	1	3	12.23	12.25	12.30		
1.4	QPSK	1	5	12.16	12.24	12.28		
1.4	QPSK	3	0	12.23	12.26	12.33		
1.4	QPSK	3	1	12.28	12.28	12.32		
1.4	QPSK	3	3	12.27	12.25	12.33		
1.4	QPSK	6	0	11.94	12.08	12.11	13	0
1.4	16QAM	1	0	12.17	12.15	12.28	13	0
1.4	16QAM	1	3	12.20	12.22	12.02		
1.4	16QAM	1	5	12.33	12.29	12.10		
1.4	16QAM	3	0	11.98	12.03	12.09		
1.4	16QAM	3	1	12.00	12.09	12.21		
1.4	16QAM	3	3	12.00	12.02	12.06		
1.4	16QAM	6	0	12.13	12.11	12.17	13	0
1.4	64QAM	1	0	12.04	12.13	12.26	13	0
1.4	64QAM	1	3	12.23	12.28	12.21		
1.4	64QAM	1	5	12.19	12.17	12.23		
1.4	64QAM	3	0	12.20	12.13	12.17		
1.4	64QAM	3	1	12.29	12.29	12.31		
1.4	64QAM	3	3	12.09	12.19	12.24		
1.4	64QAM	6	0	12.04	12.02	12.16	10	3

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		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	10.84	10.90	10.78	12	0
20	QPSK	1	49	10.45	10.55	10.66		
20	QPSK	1	99	10.45	10.57	10.59		
20	QPSK	50	0	10.80	10.82	10.70	12	0
20	QPSK	50	24	10.74	10.63	10.74		
20	QPSK	50	50	10.40	10.56	10.72		
20	QPSK	100	0	10.57	10.74	10.71		
20	16QAM	1	0	10.69	10.75	10.54	12	0
20	16QAM	1	49	10.62	10.75	10.89		
20	16QAM	1	99	10.71	10.80	10.80		
20	16QAM	50	0	10.39	10.51	10.64	12	0
20	16QAM	50	24	10.46	10.63	10.60		
20	16QAM	50	50	10.30	10.47	10.66		
20	16QAM	100	0	10.39	10.51	10.63		
20	64QAM	1	0	10.55	10.60	10.69	12	0
20	64QAM	1	49	10.51	10.69	10.89		
20	64QAM	1	99	10.53	10.65	10.72		
20	64QAM	50	0	10.49	10.49	10.64	12	0
20	64QAM	50	24	10.51	10.57	10.64		
20	64QAM	50	50	10.33	10.50	10.62		
20	64QAM	100	0	10.49	10.56	10.67		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	10.31	10.40	10.62	12	0
15	QPSK	1	37	10.47	10.50	10.59		
15	QPSK	1	74	10.43	10.49	10.60		
15	QPSK	36	0	10.50	10.64	10.78	12	0
15	QPSK	36	20	10.58	10.59	10.72		
15	QPSK	36	39	10.56	10.63	10.69		
15	QPSK	75	0	10.43	10.64	10.71		
15	16QAM	1	0	10.44	10.64	10.56	12	0
15	16QAM	1	37	10.66	10.79	10.84		
15	16QAM	1	74	10.69	10.72	10.87		
15	16QAM	36	0	10.42	10.56	10.60	12	0
15	16QAM	36	20	10.48	10.57	10.64		
15	16QAM	36	39	10.35	10.58	10.64		
15	16QAM	75	0	10.33	10.53	10.63		
15	64QAM	1	0	10.45	10.68	10.76	12	0
15	64QAM	1	37	10.73	10.84	10.62		
15	64QAM	1	74	10.52	10.68	10.75		
15	64QAM	36	0	10.47	10.61	10.66	12	0
15	64QAM	36	20	10.53	10.64	10.74		
15	64QAM	36	39	10.50	10.60	10.66		
15	64QAM	75	0	10.36	10.57	10.68		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	10.67	10.69	10.56	12	0
10	QPSK	1	25	10.67	10.74	10.80		
10	QPSK	1	49	10.46	10.75	10.75		
10	QPSK	25	0	10.68	10.73	10.79	12	0
10	QPSK	25	12	10.70	10.83	10.87		
10	QPSK	25	25	10.55	10.77	10.85		
10	QPSK	50	0	10.57	10.71	10.80		
10	16QAM	1	0	10.77	10.83	10.76	12	0
10	16QAM	1	25	10.71	10.84	10.87		
10	16QAM	1	49	10.85	10.66	10.85		
10	16QAM	25	0	10.59	10.73	10.77	12	0
10	16QAM	25	12	10.59	10.75	10.85		
10	16QAM	25	25	10.48	10.67	10.81		
10	16QAM	50	0	10.49	10.68	10.72		
10	64QAM	1	0	10.81	10.83	10.87	12	0
10	64QAM	1	25	10.54	10.83	10.76		
10	64QAM	1	49	10.51	10.69	10.54		
10	64QAM	25	0	10.63	10.67	10.80	12	0
10	64QAM	25	12	10.54	10.78	10.85		
10	64QAM	25	25	10.56	10.73	10.77		
10	64QAM	50	0	10.61	10.65	10.81		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	10.64	10.77	10.76	12	0
5	QPSK	1	12	10.54	10.68	10.54		
5	QPSK	1	24	10.59	10.76	10.71		
5	QPSK	12	0	10.68	10.72	10.80	12	0
5	QPSK	12	7	10.66	10.81	10.89		
5	QPSK	12	13	10.70	10.79	10.82		
5	QPSK	25	0	10.68	10.74	10.80		
5	16QAM	1	0	10.55	10.67	10.78	12	0
5	16QAM	1	12	10.79	10.87	10.73		
5	16QAM	1	24	10.86	10.76	10.66		
5	16QAM	12	0	10.56	10.71	10.74	12	0
5	16QAM	12	7	10.65	10.73	10.77		
5	16QAM	12	13	10.56	10.69	10.75		
5	16QAM	25	0	10.59	10.76	10.76		
5	64QAM	1	0	10.79	10.76	10.67	12	0
5	64QAM	1	12	10.65	10.78	10.80		
5	64QAM	1	24	10.62	10.81	10.55		
5	64QAM	12	0	10.63	10.67	10.75	12	0
5	64QAM	12	7	10.61	10.77	10.75		
5	64QAM	12	13	10.64	10.77	10.80		
5	64QAM	25	0	10.60	10.66	10.74		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	10.64	10.67	10.74	12	0
3	QPSK	1	8	10.70	10.75	10.81		
3	QPSK	1	14	10.58	10.71	10.70		
3	QPSK	8	0	10.67	10.72	10.84	12	0
3	QPSK	8	4	10.61	10.80	10.88		
3	QPSK	8	7	10.61	10.76	10.81		
3	QPSK	15	0	10.61	10.70	10.80		
3	16QAM	1	0	10.54	10.86	10.66	12	0
3	16QAM	1	8	10.78	10.87	10.65		
3	16QAM	1	14	10.79	10.85	10.76		
3	16QAM	8	0	10.60	10.65	10.77	12	0
3	16QAM	8	4	10.65	10.75	10.77		
3	16QAM	8	7	10.62	10.72	10.83		
3	16QAM	15	0	10.59	10.65	10.76		
3	64QAM	1	0	10.78	10.73	10.55	12	0
3	64QAM	1	8	10.77	10.81	10.43		
3	64QAM	1	14	10.60	10.75	10.67		
3	64QAM	8	0	10.50	10.71	10.71	12	0
3	64QAM	8	4	10.64	10.77	10.74		
3	64QAM	8	7	10.54	10.70	10.72		
3	64QAM	15	0	10.53	10.62	10.75		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	10.33	10.39	10.45	12	0
1.4	QPSK	1	3	10.39	10.54	10.60		
1.4	QPSK	1	5	10.37	10.44	10.53		
1.4	QPSK	3	0	10.43	10.48	10.52		
1.4	QPSK	3	1	10.37	10.54	10.63		
1.4	QPSK	3	3	10.34	10.46	10.57		
1.4	QPSK	6	0	10.41	10.56	10.59	12	0
1.4	16QAM	1	0	10.64	10.86	10.84	12	0
1.4	16QAM	1	3	10.81	10.78	10.54		
1.4	16QAM	1	5	10.67	10.77	10.77		
1.4	16QAM	3	0	10.34	10.59	10.60		
1.4	16QAM	3	1	10.58	10.63	10.63		
1.4	16QAM	3	3	10.54	10.56	10.49		
1.4	16QAM	6	0	10.58	10.56	10.71	12	0
1.4	64QAM	1	0	10.59	10.62	10.69	12	0
1.4	64QAM	1	3	10.69	10.76	10.78		
1.4	64QAM	1	5	10.65	10.69	10.72		
1.4	64QAM	3	0	10.55	10.61	10.74		
1.4	64QAM	3	1	10.57	10.72	10.73		
1.4	64QAM	3	3	10.53	10.70	10.66		
1.4	64QAM	6	0	10.45	10.56	10.56	12	0

FCC-FD-LTE_ENDC sensor Ant2

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	13.02	12.90	13.02	14	0
20	QPSK	1	49	13.00	13.02	13.10		
20	QPSK	1	99	13.06	13.00	13.19		
20	QPSK	50	0	13.09	13.01	12.98	14	0
20	QPSK	50	24	12.83	12.88	12.94		
20	QPSK	50	50	12.82	12.89	12.94		
20	QPSK	100	0	12.89	12.86	12.99		
20	16QAM	1	0	13.04	13.07	13.06	14	0
20	16QAM	1	49	13.01	13.02	13.06		
20	16QAM	1	99	13.09	13.01	12.98		
20	16QAM	50	0	12.83	12.88	12.94	14	0
20	16QAM	50	24	12.82	12.89	12.94		
20	16QAM	50	50	12.89	12.86	12.99		
20	16QAM	100	0	13.04	13.07	13.06		
20	64QAM	1	0	13.01	13.02	13.06	14	0
20	64QAM	1	49	13.02	12.90	13.02		
20	64QAM	1	99	13.06	13.15	12.86		
20	64QAM	50	0	13.17	13.07	13.07	14	0
20	64QAM	50	24	13.08	12.94	13.07		
20	64QAM	50	50	13.16	12.94	13.14		
20	64QAM	100	0	12.86	12.88	12.87		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	13.11	13.02	13.12	14	0
15	QPSK	1	37	13.07	13.17	13.01		
15	QPSK	1	74	12.97	13.08	13.06		
15	QPSK	36	0	12.96	13.14	13.05	14	0
15	QPSK	36	20	13.05	12.90	13.07		
15	QPSK	36	39	12.95	12.92	13.07		
15	QPSK	75	0	12.98	12.95	12.81		
15	16QAM	1	0	12.98	13.10	12.96	14	0
15	16QAM	1	37	13.15	12.90	13.02		
15	16QAM	1	74	12.95	12.95	12.92		
15	16QAM	36	0	12.96	13.06	12.92	14	0
15	16QAM	36	20	12.96	13.14	13.05		
15	16QAM	36	39	13.05	12.90	13.07		
15	16QAM	75	0	12.95	12.92	13.07		
15	64QAM	1	0	12.98	12.95	12.81	14	0
15	64QAM	1	37	12.98	13.10	12.96		
15	64QAM	1	74	13.15	12.90	13.02		
15	64QAM	36	0	12.95	12.95	12.92	14	0
15	64QAM	36	20	12.96	13.06	12.92		
15	64QAM	36	39	12.91	12.85	13.02		
15	64QAM	75	0	13.09	13.00	13.07		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	12.90	12.99	13.00	14	0
10	QPSK	1	25	13.06	13.18	13.01		
10	QPSK	1	49	13.02	13.10	13.00		
10	QPSK	25	0	13.03	13.12	13.10	14	0
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	13.20	14	0
10	16QAM	1	25	12.93	13.02	12.96		
10	16QAM	1	49	13.11	13.10	13.19		
10	16QAM	25	0	12.97	13.12	13.07	14	0
10	16QAM	25	12	13.02	13.10	13.00		
10	16QAM	25	25	13.03	13.12	13.10		
10	16QAM	50	0	13.04	13.01	13.05		
10	64QAM	1	0	13.02	13.02	12.99	14	0
10	64QAM	1	25	13.04	13.03	13.02		
10	64QAM	1	49	13.01	12.90	13.20		
10	64QAM	25	0	12.93	13.02	12.96	14	0
10	64QAM	25	12	13.11	13.10	13.19		
10	64QAM	25	25	12.97	13.12	13.07		
10	64QAM	50	0	13.06	13.06	13.18		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	13.12	13.09	13.17	14	0
5	QPSK	1	12	13.02	13.03	13.17		
5	QPSK	1	24	13.02	13.18	13.10		
5	QPSK	12	0	13.17	12.94	12.90	14	0
5	QPSK	12	7	12.83	13.13	12.98		
5	QPSK	12	13	13.01	13.03	13.15		
5	QPSK	25	0	13.12	12.99	12.94		
5	16QAM	1	0	12.88	13.00	12.93	14	0
5	16QAM	1	12	12.98	12.99	12.99		
5	16QAM	1	24	12.94	13.01	12.87		
5	16QAM	12	0	12.90	13.02	13.06	14	0
5	16QAM	12	7	12.99	13.02	12.99		
5	16QAM	12	13	12.90	13.02	13.06		
5	16QAM	25	0	12.99	13.02	12.99		
5	64QAM	1	0	12.90	12.99	13.00	14	0
5	64QAM	1	12	13.06	13.18	13.01		
5	64QAM	1	24	13.02	13.10	13.00		
5	64QAM	12	0	13.03	13.12	13.10	14	0
5	64QAM	12	7	13.04	13.01	13.05		
5	64QAM	12	13	13.00	12.97	13.06		
5	64QAM	25	0	13.14	13.08	13.05		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	13.12	12.99	12.94	14	0
3	QPSK	1	8	12.88	13.00	12.93		
3	QPSK	1	14	12.98	12.99	12.99		
3	QPSK	8	0	12.94	13.01	12.87	14	0
3	QPSK	8	4	12.90	13.02	13.06		
3	QPSK	8	7	12.99	13.02	12.99		
3	QPSK	15	0	12.90	12.99	13.00		
3	16QAM	1	0	13.00	13.18	12.86	14	0
3	16QAM	1	8	13.05	12.76	13.13		
3	16QAM	1	14	13.07	12.98	13.16		
3	16QAM	8	0	12.86	12.86	12.76	14	0
3	16QAM	8	4	12.83	12.89	12.95		
3	16QAM	8	7	12.77	12.85	12.92		
3	16QAM	15	0	12.81	12.86	12.75		
3	64QAM	1	0	13.16	12.82	13.05	14	0
3	64QAM	1	8	13.00	13.14	13.01		
3	64QAM	1	14	12.81	12.97	12.98		
3	64QAM	8	0	12.84	13.00	12.89	14	0
3	64QAM	8	4	12.86	13.00	13.04		
3	64QAM	8	7	12.81	12.93	12.94		
3	64QAM	15	0	12.86	12.92	12.98		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	13.02	13.03	13.17	14	0
1.4	QPSK	1	3	13.04	13.15	13.15		
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	12.90	14	0
1.4	16QAM	1	0	12.83	13.13	12.98	14	0
1.4	16QAM	1	3	13.01	13.03	13.15		
1.4	16QAM	1	5	13.12	12.99	12.94		
1.4	16QAM	3	0	12.88	13.00	12.93		
1.4	16QAM	3	1	12.98	12.99	12.99		
1.4	16QAM	3	3	12.94	13.01	12.87		
1.4	16QAM	6	0	12.90	13.02	13.06	14	0
1.4	64QAM	1	0	12.99	13.02	12.99	14	0
1.4	64QAM	1	3	12.90	12.99	13.00		
1.4	64QAM	1	5	13.00	13.18	12.86		
1.4	64QAM	3	0	13.05	12.76	13.13		
1.4	64QAM	3	1	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 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	13.02	13.21	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	14	0
20	QPSK	50	24	13.01	13.08	12.91		
20	QPSK	50	50	12.94	12.95	13.11		
20	QPSK	100	0	12.97	13.03	13.01		
20	16QAM	1	0	12.90	13.10	12.97	14	0
20	16QAM	1	49	13.10	13.12	12.85		
20	16QAM	1	99	12.88	12.90	12.83		
20	16QAM	50	0	12.85	13.00	12.89	14	0
20	16QAM	50	24	12.88	12.97	12.87		
20	16QAM	50	50	12.77	12.90	13.00		
20	16QAM	100	0	12.86	12.88	12.82		
20	64QAM	1	0	13.01	13.11	12.67	14	0
20	64QAM	1	49	12.76	13.07	12.80		
20	64QAM	1	99	12.86	12.70	12.72		
20	64QAM	50	0	12.96	12.99	12.88	14	0
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		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	13.12	12.99	12.94	14	0
15	QPSK	1	37	12.88	13.00	12.93		
15	QPSK	1	74	12.98	12.99	12.99		
15	QPSK	36	0	12.94	13.01	12.87	14	0
15	QPSK	36	20	12.90	13.02	13.06		
15	QPSK	36	39	12.99	13.02	12.99		
15	QPSK	75	0	12.90	12.99	13.00		
15	16QAM	1	0	13.00	13.18	12.86	14	0
15	16QAM	1	37	13.05	12.76	13.13		
15	16QAM	1	74	13.07	12.98	13.16		
15	16QAM	36	0	12.86	12.86	12.76	14	0
15	16QAM	36	20	12.83	12.89	12.95		
15	16QAM	36	39	12.77	12.85	12.92		
15	16QAM	75	0	12.81	12.86	12.75		
15	64QAM	1	0	13.16	12.82	13.05	14	0
15	64QAM	1	37	13.00	13.14	13.01		
15	64QAM	1	74	12.81	12.97	12.98		
15	64QAM	36	0	12.84	13.00	12.89	14	0
15	64QAM	36	20	12.86	13.00	13.04		
15	64QAM	36	39	12.81	12.93	12.94		
15	64QAM	75	0	12.86	12.92	12.98		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	13.08	13.05	12.75	14	0
10	QPSK	1	25	12.95	13.08	13.03		
10	QPSK	1	49	13.12	13.09	13.17		
10	QPSK	25	0	13.02	13.03	13.17	14	0
10	QPSK	25	12	13.04	13.15	13.15		
10	QPSK	25	25	13.08	13.13	13.12		
10	QPSK	50	0	13.09	13.10	13.08		
10	16QAM	1	0	13.02	13.00	13.09	14	0
10	16QAM	1	25	13.02	13.18	13.10		
10	16QAM	1	49	13.17	12.94	12.90		
10	16QAM	25	0	12.83	13.13	12.98	14	0
10	16QAM	25	12	13.01	13.03	13.15		
10	16QAM	25	25	13.01	13.01	13.09		
10	16QAM	50	0	12.96	12.98	12.97		
10	64QAM	1	0	13.05	12.94	12.93	14	0
10	64QAM	1	25	13.06	13.18	13.01		
10	64QAM	1	49	13.02	13.10	13.00		
10	64QAM	25	0	13.03	13.12	13.10	14	0
10	64QAM	25	12	13.04	13.01	13.05		
10	64QAM	25	25	13.00	12.97	13.06		
10	64QAM	50	0	13.14	13.08	13.05		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	12.98	13.06	13.06	14	0
5	QPSK	1	12	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	14	0
5	QPSK	12	7	13.04	13.07	13.13		
5	QPSK	12	13	12.98	13.07	13.16		
5	QPSK	25	0	12.97	13.09	13.05		
5	16QAM	1	0	13.12	13.17	13.02	14	0
5	16QAM	1	12	13.08	13.01	12.82		
5	16QAM	1	24	13.12	12.97	13.04		
5	16QAM	12	0	12.96	13.11	13.02	14	0
5	16QAM	12	7	12.86	12.99	13.04		
5	16QAM	12	13	12.91	13.01	13.04		
5	16QAM	25	0	12.91	13.01	13.03		
5	64QAM	1	0	13.02	13.02	12.99	14	0
5	64QAM	1	12	13.04	13.03	13.02		
5	64QAM	1	24	13.01	12.90	13.20		
5	64QAM	12	0	12.93	13.02	12.96	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	12.80	12.91	12.90	14	0
3	QPSK	1	8	12.81	12.77	12.90		
3	QPSK	1	14	12.82	12.98	12.92		
3	QPSK	8	0	12.92	12.90	12.97	14	0
3	QPSK	8	4	12.90	12.99	13.00		
3	QPSK	8	7	12.93	12.88	12.94		
3	QPSK	15	0	12.89	12.90	12.91		
3	16QAM	1	0	13.02	13.12	13.02	14	0
3	16QAM	1	8	13.11	13.02	13.12		
3	16QAM	1	14	13.07	13.17	13.01		
3	16QAM	8	0	12.97	13.08	13.06	14	0
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		
3	64QAM	1	0	12.98	12.95	12.81	14	0
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	13.06	12.92		
3	64QAM	8	7	12.91	12.85	13.02		
3	64QAM	15	0	13.09	13.00	13.07		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	12.84	12.82	12.86	14	0
1.4	QPSK	1	3	12.82	12.92	12.86		
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		
1.4	QPSK	3	3	12.83	12.83	12.85		
1.4	QPSK	6	0	12.86	12.87	12.85	14	0
1.4	16QAM	1	0	13.00	13.02	13.10	14	0
1.4	16QAM	1	3	13.06	13.00	13.19		
1.4	16QAM	1	5	13.09	13.01	12.98		
1.4	16QAM	3	0	12.83	12.88	12.94		
1.4	16QAM	3	1	12.82	12.89	12.94		
1.4	16QAM	3	3	12.89	12.86	12.99		
1.4	16QAM	6	0	13.04	13.07	13.06	14	0
1.4	64QAM	1	0	13.01	13.02	13.06	14	0
1.4	64QAM	1	3	13.02	12.90	13.02		
1.4	64QAM	1	5	13.06	13.15	12.86		
1.4	64QAM	3	0	13.17	13.07	13.07		
1.4	64QAM	3	1	13.08	12.94	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 Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	12.43	12.76	12.75	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	14	0
20	QPSK	50	24	12.55	12.61	12.54		
20	QPSK	50	50	12.47	12.70	12.67		
20	QPSK	100	0	12.53	12.62	12.69		
20	16QAM	1	0	12.45	12.56	12.57	14	0
20	16QAM	1	49	12.29	12.41	12.50		
20	16QAM	1	99	12.64	12.65	12.44		
20	16QAM	50	0	12.37	12.41	12.52	14	0
20	16QAM	50	24	12.28	12.43	12.46		
20	16QAM	50	50	12.20	12.40	12.49		
20	16QAM	100	0	12.35	12.41	12.50		
20	64QAM	1	0	12.23	12.56	12.54	14	0
20	64QAM	1	49	12.21	12.54	12.42		
20	64QAM	1	99	12.64	12.20	12.55		
20	64QAM	50	0	12.37	12.30	12.46	14	0
20	64QAM	50	24	12.28	12.44	12.43		
20	64QAM	50	50	12.24	12.30	12.42		
20	64QAM	100	0	12.28	12.41	12.49		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	12.19	12.13	12.24	14	0
15	QPSK	1	37	12.26	12.28	12.43		
15	QPSK	1	74	12.11	12.37	12.32		
15	QPSK	36	0	12.22	12.42	12.44	14	0
15	QPSK	36	20	12.31	12.42	12.60		
15	QPSK	36	39	12.30	12.40	12.44		
15	QPSK	75	0	12.17	12.38	12.47		
15	16QAM	1	0	12.56	12.62	12.68	14	0
15	16QAM	1	37	12.54	12.53	12.43		
15	16QAM	1	74	12.45	12.34	12.43		
15	16QAM	36	0	12.30	12.36	12.45	14	0
15	16QAM	36	20	12.35	12.38	12.50		
15	16QAM	36	39	12.16	12.45	12.49		
15	16QAM	75	0	12.32	12.46	12.43		
15	64QAM	1	0	12.45	12.56	12.63	14	0
15	64QAM	1	37	12.43	12.59	12.46		
15	64QAM	1	74	12.46	12.56	12.24		
15	64QAM	36	0	12.34	12.39	12.47	14	0
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		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	12.36	12.36	12.53	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	14	0
10	QPSK	25	12	12.42	12.57	12.61		
10	QPSK	25	25	12.30	12.52	12.61		
10	QPSK	50	0	12.39	12.55	12.56		
10	16QAM	1	0	12.56	12.55	12.64	14	0
10	16QAM	1	25	12.54	12.43	12.54		
10	16QAM	1	49	12.47	12.58	12.65		
10	16QAM	25	0	12.57	12.54	12.68	14	0
10	16QAM	25	12	12.49	12.68	12.57		
10	16QAM	25	25	12.41	12.69	12.73		
10	16QAM	50	0	12.36	12.56	12.59		
10	64QAM	1	0	12.53	12.41	12.50	14	0
10	64QAM	1	25	12.63	12.41	12.67		
10	64QAM	1	49	12.44	12.46	12.73		
10	64QAM	25	0	12.59	12.52	12.57	14	0
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	12.52		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	12.37	12.41	12.57	14	0
5	QPSK	1	12	12.25	12.55	12.51		
5	QPSK	1	24	12.35	12.59	12.40		
5	QPSK	12	0	12.45	12.55	12.54	14	0
5	QPSK	12	7	12.43	12.53	12.62		
5	QPSK	12	13	12.38	12.50	12.55		
5	QPSK	25	0	12.47	12.55	12.52		
5	16QAM	1	0	12.57	12.56	12.54	14	0
5	16QAM	1	12	12.30	12.75	12.75		
5	16QAM	1	24	12.65	12.55	12.54		
5	16QAM	12	0	12.50	12.58	12.66	14	0
5	16QAM	12	7	12.54	12.66	12.59		
5	16QAM	12	13	12.41	12.61	12.58		
5	16QAM	25	0	12.35	12.50	12.59		
5	64QAM	1	0	12.65	12.73	12.43	14	0
5	64QAM	1	12	12.40	12.63	12.65		
5	64QAM	1	24	12.60	12.70	12.66		
5	64QAM	12	0	12.51	12.63	12.53	14	0
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		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	12.30	12.43	12.51	14	0
3	QPSK	1	8	12.30	12.43	12.54		
3	QPSK	1	14	12.40	12.46	12.48		
3	QPSK	8	0	12.43	12.56	12.58	14	0
3	QPSK	8	4	12.36	12.52	12.61		
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	12.44	14	0
3	16QAM	1	8	12.65	12.54	12.59		
3	16QAM	1	14	12.62	12.43	12.72		
3	16QAM	8	0	12.39	12.61	12.55	14	0
3	16QAM	8	4	12.48	12.62	12.58		
3	16QAM	8	7	12.54	12.55	12.72		
3	16QAM	15	0	12.39	12.51	12.54		
3	64QAM	1	0	12.48	12.43	12.55	14	0
3	64QAM	1	8	12.52	12.62	12.56		
3	64QAM	1	14	12.72	12.30	12.65		
3	64QAM	8	0	12.54	12.49	12.66	14	0
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		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	12.30	12.23	12.46	14	0
1.4	QPSK	1	3	12.32	12.49	12.45		
1.4	QPSK	1	5	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		
1.4	QPSK	3	3	12.27	12.43	12.45		
1.4	QPSK	6	0	12.42	12.43	12.55	14	0
1.4	16QAM	1	0	12.60	12.68	12.52	14	0
1.4	16QAM	1	3	12.56	12.55	12.65		
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	12.38	12.41		
1.4	16QAM	6	0	12.39	12.65	12.58	14	0
1.4	64QAM	1	0	12.54	12.56	12.53	14	0
1.4	64QAM	1	3	12.65	12.47	12.74		
1.4	64QAM	1	5	12.51	12.54	12.75		
1.4	64QAM	3	0	12.35	12.61	12.56		
1.4	64QAM	3	1	12.41	12.69	12.64		
1.4	64QAM	3	3	12.42	12.37	12.60		
1.4	64QAM	6	0	12.44	12.40	12.56	14	0

FCC-FD-LTE_ENDC hotspot Ant2

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	11.75	11.77	11.64	12.5	0
20	QPSK	1	49	11.40	11.62	11.71		
20	QPSK	1	99	11.37	11.43	11.62		
20	QPSK	50	0	11.46	11.74	11.73	12.5	0
20	QPSK	50	24	11.54	11.64	11.72		
20	QPSK	50	50	11.40	11.56	11.62		
20	QPSK	100	0	11.50	11.66	11.65		
20	16QAM	1	0	11.41	11.35	11.67	12.5	0
20	16QAM	1	49	11.54	11.55	11.56		
20	16QAM	1	99	11.62	11.47	11.57		
20	16QAM	50	0	11.31	11.32	11.34	12.5	0
20	16QAM	50	24	11.26	11.43	11.43		
20	16QAM	50	50	11.25	11.39	11.44		
20	16QAM	100	0	11.28	11.35	11.51		
20	64QAM	1	0	11.35	11.53	11.51	12.5	0
20	64QAM	1	49	11.53	11.10	11.35		
20	64QAM	1	99	11.35	11.43	11.44		
20	64QAM	50	0	11.30	11.35	11.48	12.5	0
20	64QAM	50	24	11.32	11.39	11.45		
20	64QAM	50	50	11.26	11.34	11.48		
20	64QAM	100	0	11.32	11.32	11.37		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	11.45	11.38	11.52	12.5	0
15	QPSK	1	37	11.45	11.46	11.58		
15	QPSK	1	74	11.38	11.55	11.68		
15	QPSK	36	0	11.54	11.63	11.67	12.5	0
15	QPSK	36	20	11.52	11.66	11.72		
15	QPSK	36	39	11.40	11.61	11.72		
15	QPSK	75	0	11.37	11.61	11.69		
15	16QAM	1	0	11.37	11.46	11.44	12.5	0
15	16QAM	1	37	11.28	11.33	11.36		
15	16QAM	1	74	11.32	11.56	11.35		
15	16QAM	36	0	11.20	11.25	11.31	12.5	0
15	16QAM	36	20	11.32	11.44	11.46		
15	16QAM	36	39	11.29	11.27	11.33		
15	16QAM	75	0	11.22	11.41	11.49		
15	64QAM	1	0	11.53	11.35	11.58	12.5	0
15	64QAM	1	37	11.45	11.58	11.36		
15	64QAM	1	74	11.33	11.32	11.39		
15	64QAM	36	0	11.30	11.37	11.44	12.5	0
15	64QAM	36	20	11.33	11.43	11.47		
15	64QAM	36	39	11.34	11.38	11.39		
15	64QAM	75	0	11.23	11.37	11.47		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	11.72	11.75	11.47	12.5	0
10	QPSK	1	25	11.57	11.49	11.44		
10	QPSK	1	49	11.62	11.40	11.55		
10	QPSK	25	0	11.71	11.55	11.44	12.5	0
10	QPSK	25	12	11.52	11.44	11.55		
10	QPSK	25	25	11.55	11.70	11.57		
10	QPSK	50	0	11.46	11.76	11.55		
10	16QAM	1	0	11.72	11.68	11.36	12.5	0
10	16QAM	1	25	11.54	11.39	11.63		
10	16QAM	1	49	11.36	11.56	11.62		
10	16QAM	25	0	11.44	11.51	11.62	12.5	0
10	16QAM	25	12	11.35	11.57	11.57		
10	16QAM	25	25	11.34	11.54	11.55		
10	16QAM	50	0	11.27	11.51	11.54		
10	64QAM	1	0	11.55	11.47	11.64	12.5	0
10	64QAM	1	25	11.57	11.66	11.73		
10	64QAM	1	49	11.37	11.56	11.65		
10	64QAM	25	0	11.42	11.55	11.68	12.5	0
10	64QAM	25	12	11.43	11.62	11.61		
10	64QAM	25	25	11.28	11.60	11.55		
10	64QAM	50	0	11.34	11.48	11.68		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	11.38	11.47	11.43	12.5	0
5	QPSK	1	12	11.54	11.58	11.53		
5	QPSK	1	24	11.38	11.33	11.48		
5	QPSK	12	0	11.39	11.44	11.52	12.5	0
5	QPSK	12	7	11.37	11.46	11.51		
5	QPSK	12	13	11.42	11.52	11.54		
5	QPSK	25	0	11.41	11.48	11.51		
5	16QAM	1	0	11.44	11.49	11.52	12.5	0
5	16QAM	1	12	11.55	11.55	11.68		
5	16QAM	1	24	11.49	11.72	11.59		
5	16QAM	12	0	11.46	11.49	11.51	12.5	0
5	16QAM	12	7	11.36	11.43	11.47		
5	16QAM	12	13	11.39	11.55	11.47		
5	16QAM	25	0	11.49	11.53	11.55		
5	64QAM	1	0	11.55	11.36	11.37	12.5	0
5	64QAM	1	12	11.35	11.36	11.43		
5	64QAM	1	24	11.47	11.46	11.57		
5	64QAM	12	0	11.37	11.56	11.63	12.5	0
5	64QAM	12	7	11.46	11.56	11.66		
5	64QAM	12	13	11.43	11.59	11.62		
5	64QAM	25	0	11.34	11.49	11.55		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	11.18	11.35	11.49	12.5	0
3	QPSK	1	8	11.42	11.34	11.63		
3	QPSK	1	14	11.27	11.42	11.44		
3	QPSK	8	0	11.36	11.46	11.47	12.5	0
3	QPSK	8	4	11.42	11.44	11.50		
3	QPSK	8	7	11.30	11.52	11.54		
3	QPSK	15	0	11.32	11.44	11.50		
3	16QAM	1	0	11.55	11.58	11.42	12.5	0
3	16QAM	1	8	11.58	11.51	11.57		
3	16QAM	1	14	11.75	11.75	11.61		
3	16QAM	8	0	11.40	11.46	11.57	12.5	0
3	16QAM	8	4	11.32	11.42	11.57		
3	16QAM	8	7	11.40	11.52	11.54		
3	16QAM	15	0	11.36	11.45	11.55		
3	64QAM	1	0	11.55	11.56	11.44	12.5	0
3	64QAM	1	8	11.51	11.73	11.42		
3	64QAM	1	14	11.54	11.55	11.57		
3	64QAM	8	0	11.26	11.55	11.54	12.5	0
3	64QAM	8	4	11.54	11.69	11.62		
3	64QAM	8	7	11.47	11.53	11.71		
3	64QAM	15	0	11.43	11.42	11.60		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	11.34	11.41	11.55	12.5	0
1.4	QPSK	1	3	11.46	11.61	11.50		
1.4	QPSK	1	5	11.40	11.42	11.48		
1.4	QPSK	3	0	11.38	11.45	11.54		
1.4	QPSK	3	1	11.40	11.55	11.64		
1.4	QPSK	3	3	11.35	11.52	11.55		
1.4	QPSK	6	0	11.47	11.60	11.68	12.5	0
1.4	16QAM	1	0	11.55	11.69	11.66	12.5	0
1.4	16QAM	1	3	11.52	11.65	11.66		
1.4	16QAM	1	5	11.49	11.66	11.37		
1.4	16QAM	3	0	11.44	11.55	11.66		
1.4	16QAM	3	1	11.63	11.69	11.76		
1.4	16QAM	3	3	11.39	11.61	11.58		
1.4	16QAM	6	0	11.61	11.62	11.55	12.5	0
1.4	64QAM	1	0	11.64	11.57	11.63	12.5	0
1.4	64QAM	1	3	11.76	11.75	11.63		
1.4	64QAM	1	5	11.67	11.67	11.58		
1.4	64QAM	3	0	11.65	11.72	11.56		
1.4	64QAM	3	1	11.61	11.66	11.65		
1.4	64QAM	3	3	11.57	11.74	11.68		
1.4	64QAM	6	0	11.56	11.58	11.72	12.5	0

Band 5 (Celluar Band)
Part 22H(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				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	19.12	19.34	19.11	20	0
10	QPSK	1	25	19.05	19.06	19.21		
10	QPSK	1	49	19.05	19.07	19.23		
10	QPSK	25	0	19.14	19.15	19.01	20	0
10	QPSK	25	12	18.95	19.04	19.10		
10	QPSK	25	25	19.12	19.00	19.00		
10	QPSK	50	0	19.06	19.07	19.05		
10	16QAM	1	0	19.07	19.08	19.15	20	0
10	16QAM	1	25	18.73	18.94	19.08		
10	16QAM	1	49	19.00	19.04	19.11		
10	16QAM	25	0	19.06	19.06	19.01	20	0
10	16QAM	25	12	19.17	19.07	19.09		
10	16QAM	25	25	19.12	19.10	18.97		
10	16QAM	50	0	19.14	19.06	18.93		
10	64QAM	1	0	19.15	19.15	19.09	20	0
10	64QAM	1	25	19.18	19.16	18.92		
10	64QAM	1	49	19.09	19.10	19.12		
10	64QAM	25	0	19.21	19.32	19.23	20	0
10	64QAM	25	12	19.09	19.10	19.10		
10	64QAM	25	25	19.29	19.24	19.20		
10	64QAM	50	0	19.20	19.09	19.12		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	19.07	18.94	18.85	20	0
5	QPSK	1	12	19.03	19.08	18.98		
5	QPSK	1	24	19.15	19.02	18.91		
5	QPSK	12	0	19.16	19.02	18.99	20	0
5	QPSK	12	7	19.13	19.04	18.99		
5	QPSK	12	13	19.09	19.02	19.01		
5	QPSK	25	0	19.15	19.07	18.93		
5	16QAM	1	0	19.04	19.06	18.90	20	0
5	16QAM	1	12	19.11	19.17	18.96		
5	16QAM	1	24	19.17	18.84	19.01		
5	16QAM	12	0	19.20	19.03	18.98	20	0
5	16QAM	12	7	19.15	19.04	18.93		
5	16QAM	12	13	19.10	19.03	18.98		
5	16QAM	25	0	19.14	19.02	18.91		
5	64QAM	1	0	19.12	19.20	19.01	20	0
5	64QAM	1	12	19.24	19.09	18.83		
5	64QAM	1	24	19.33	19.17	19.04		
5	64QAM	12	0	19.00	19.12	19.21	20	0
5	64QAM	12	7	19.00	19.22	19.23		
5	64QAM	12	13	19.21	19.12	19.15		
5	64QAM	25	0	18.98	19.31	19.22		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	19.14	19.11	19.02	20	0
3	QPSK	1	8	19.15	19.16	19.08		
3	QPSK	1	14	19.15	19.03	18.91		
3	QPSK	8	0	18.93	19.10	19.13	20	0
3	QPSK	8	4	18.82	19.15	19.03		
3	QPSK	8	7	19.06	19.12	19.00		
3	QPSK	15	0	18.83	19.16	19.02		
3	16QAM	1	0	18.95	19.14	18.97	20	0
3	16QAM	1	8	18.95	19.10	19.13		
3	16QAM	1	14	19.15	19.00	18.95		
3	16QAM	8	0	19.16	19.03	19.00	20	0
3	16QAM	8	4	19.17	19.04	19.02		
3	16QAM	8	7	19.17	19.11	18.98		
3	16QAM	15	0	19.17	19.01	19.01		
3	64QAM	1	0	19.21	19.09	19.05	20	0
3	64QAM	1	8	19.12	19.24	19.18		
3	64QAM	1	14	19.29	19.28	19.18		
3	64QAM	8	0	19.23	19.23	19.15	20	0
3	64QAM	8	4	19.22	19.22	19.19		
3	64QAM	8	7	19.02	19.14	19.10		
3	64QAM	15	0	19.00	19.21	19.13		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	19.16	19.10	18.94	20	0
1.4	QPSK	1	3	19.06	19.08	19.00		
1.4	QPSK	1	5	19.06	19.00	18.96		
1.4	QPSK	3	0	19.16	19.04	18.98		
1.4	QPSK	3	1	18.93	19.12	19.01		
1.4	QPSK	3	3	19.17	19.10	19.06		
1.4	QPSK	6	0	19.05	19.15	19.04	20	0
1.4	16QAM	1	0	19.12	18.85	18.97	20	0
1.4	16QAM	1	3	18.84	18.94	18.84		
1.4	16QAM	1	5	19.06	18.88	18.99		
1.4	16QAM	3	0	18.82	18.67	18.64		
1.4	16QAM	3	1	18.88	18.86	18.75		
1.4	16QAM	3	3	18.87	18.66	18.60		
1.4	16QAM	6	0	19.10	18.96	18.94	20	0
1.4	64QAM	1	0	19.14	18.99	19.02	20	0
1.4	64QAM	1	3	19.08	19.09	18.98		
1.4	64QAM	1	5	19.13	19.05	18.97		
1.4	64QAM	3	0	19.05	19.00	18.90		
1.4	64QAM	3	1	19.10	19.07	18.92		
1.4	64QAM	3	3	19.02	18.84	18.93		
1.4	64QAM	6	0	19.07	19.00	19.01	20	0

Band 12 (700MHz Low Band)
Part 27F(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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.10	22.12	21.97	23	0
10	QPSK	1	25	22.00	22.04	21.97		
10	QPSK	1	49	21.87	21.74	21.78		
10	QPSK	25	0	22.03	22.07	22.04	23	0
10	QPSK	25	12	21.99	21.99	22.06		
10	QPSK	25	25	22.04	22.00	22.01		
10	QPSK	50	0	21.67	21.95	21.91		
10	16QAM	1	0	22.03	22.03	22.05	23	0
10	16QAM	1	25	22.03	22.03	21.73		
10	16QAM	1	49	21.91	21.72	21.90		
10	16QAM	25	0	20.27	20.27	20.20	22	1
10	16QAM	25	12	20.47	20.27	20.29		
10	16QAM	25	25	20.19	20.28	20.23		
10	16QAM	50	0	20.29	20.20	20.21		
10	64QAM	1	0	20.00	20.04	20.30	22	1
10	64QAM	1	25	20.08	20.36	20.00		
10	64QAM	1	49	20.25	20.02	20.27		
10	64QAM	25	0	19.20	19.12	19.12	21	2
10	64QAM	25	12	19.21	19.19	19.09		
10	64QAM	25	25	19.14	19.10	19.12		
10	64QAM	50	0	19.12	19.13	19.12		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	21.71	21.66	21.69	23	0
5	QPSK	1	12	21.75	21.87	21.78		
5	QPSK	1	24	21.81	21.74	21.77		
5	QPSK	12	0	21.95	21.85	21.89	23	0
5	QPSK	12	7	21.88	21.88	21.86		
5	QPSK	12	13	21.77	21.80	21.78		
5	QPSK	25	0	21.83	21.84	21.73		
5	16QAM	1	0	21.80	21.67	21.92	23	0
5	16QAM	1	12	21.86	21.95	21.82		
5	16QAM	1	24	21.95	21.84	21.83		
5	16QAM	12	0	20.46	20.47	20.47	22	1
5	16QAM	12	7	20.39	20.44	20.54		
5	16QAM	12	13	20.38	20.48	20.37		
5	16QAM	25	0	20.41	20.41	20.40		
5	64QAM	1	0	20.43	20.48	20.44	22	1
5	64QAM	1	12	20.33	20.53	20.43		
5	64QAM	1	24	20.08	20.27	20.19		
5	64QAM	12	0	19.33	19.49	19.34	21	2
5	64QAM	12	7	19.13	19.32	19.10		
5	64QAM	12	13	19.29	19.23	19.05		
5	64QAM	25	0	19.11	19.21	19.07		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	21.91	21.81	21.88	23	0
3	QPSK	1	8	21.94	21.91	21.97		
3	QPSK	1	14	21.78	21.85	21.80		
3	QPSK	8	0	21.95	21.90	21.95	23	0
3	QPSK	8	4	21.99	21.96	21.97		
3	QPSK	8	7	21.91	21.94	21.97		
3	QPSK	15	0	21.94	21.89	21.93		
3	16QAM	1	0	22.05	21.98	21.95	23	0
3	16QAM	1	8	22.06	21.97	22.11		
3	16QAM	1	14	22.05	21.96	21.95		
3	16QAM	8	0	21.04	20.91	20.90	22	1
3	16QAM	8	4	20.96	21.04	21.01		
3	16QAM	8	7	20.90	20.91	20.85		
3	16QAM	15	0	20.81	20.84	20.85		
3	64QAM	1	0	20.56	20.88	20.41	22	1
3	64QAM	1	8	20.65	20.56	20.66		
3	64QAM	1	14	20.66	20.84	20.56		
3	64QAM	8	0	19.32	19.23	19.23	21	2
3	64QAM	8	4	19.23	19.22	19.22		
3	64QAM	8	7	19.32	19.32	19.19		
3	64QAM	15	0	19.23	19.34	19.34		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	21.89	21.86	21.93	23	0
1.4	QPSK	1	3	21.92	21.93	21.93		
1.4	QPSK	1	5	21.83	21.84	21.81		
1.4	QPSK	3	0	21.92	21.83	21.91		
1.4	QPSK	3	1	21.99	21.92	21.97		
1.4	QPSK	3	3	21.92	21.87	21.85		
1.4	QPSK	6	0	21.96	21.88	21.98	23	0
1.4	16QAM	1	0	21.89	21.85	21.85	23	0
1.4	16QAM	1	3	21.88	21.83	21.55		
1.4	16QAM	1	5	21.75	21.74	21.52		
1.4	16QAM	3	0	21.60	21.49	21.53		
1.4	16QAM	3	1	21.59	21.61	21.64		
1.4	16QAM	3	3	21.55	21.61	21.48		
1.4	16QAM	6	0	20.80	20.78	20.85	22	1
1.4	64QAM	1	0	20.87	20.78	20.89	22	1
1.4	64QAM	1	3	20.81	21.00	20.98		
1.4	64QAM	1	5	20.70	20.73	20.67		
1.4	64QAM	3	0	20.87	20.77	20.82		
1.4	64QAM	3	1	20.89	20.62	20.65		
1.4	64QAM	3	3	20.98	20.94	20.89		
1.4	64QAM	6	0	19.59	19.45	19.43	21	2

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	11.77	11.85	11.78	12.5	0
20	QPSK	1	49	11.67	11.65	11.68		
20	QPSK	1	99	11.58	11.69	11.63		
20	QPSK	50	0	11.75	11.82	11.72	12.5	0
20	QPSK	50	24	11.77	11.73	11.78		
20	QPSK	50	50	11.68	11.43	11.76		
20	QPSK	100	0	11.74	11.76	11.68		
20	16QAM	1	0	11.57	11.51	11.64	12.5	0
20	16QAM	1	49	11.43	11.34	11.64		
20	16QAM	1	99	11.52	11.47	11.54		
20	16QAM	50	0	11.57	11.54	11.42	12.5	0
20	16QAM	50	24	11.60	11.67	11.55		
20	16QAM	50	50	11.40	11.54	11.66		
20	16QAM	100	0	11.54	11.59	11.39		
20	64QAM	1	0	11.34	11.45	11.48	12.5	0
20	64QAM	1	49	11.63	11.59	11.41		
20	64QAM	1	99	11.25	11.42	11.43		
20	64QAM	50	0	11.56	11.66	11.50	12.5	0
20	64QAM	50	24	11.60	11.53	11.50		
20	64QAM	50	50	11.58	11.49	11.55		
20	64QAM	100	0	11.49	11.51	11.43		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	11.60	11.55	11.63	12.5	0
15	QPSK	1	37	11.56	11.66	11.54		
15	QPSK	1	74	11.62	11.56	11.71		
15	QPSK	36	0	11.73	11.80	11.67	12.5	0
15	QPSK	36	20	11.68	11.72	11.83		
15	QPSK	36	39	11.75	11.70	11.82		
15	QPSK	75	0	11.69	11.79	11.71		
15	16QAM	1	0	11.57	11.56	11.43	12.5	0
15	16QAM	1	37	11.54	11.53	11.61		
15	16QAM	1	74	11.81	11.83	11.55		
15	16QAM	36	0	11.45	11.52	11.37	12.5	0
15	16QAM	36	20	11.38	11.53	11.62		
15	16QAM	36	39	11.34	11.50	11.53		
15	16QAM	75	0	11.42	11.51	11.42		
15	64QAM	1	0	11.47	11.72	11.38	12.5	0
15	64QAM	1	37	11.35	11.39	11.43		
15	64QAM	1	74	11.27	11.73	11.43		
15	64QAM	36	0	11.43	11.49	11.50	12.5	0
15	64QAM	36	20	11.42	11.53	11.51		
15	64QAM	36	39	11.52	11.52	11.66		
15	64QAM	75	0	11.43	11.57	11.62		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	11.50	11.61	11.68	12.5	0
10	QPSK	1	25	11.45	11.64	11.60		
10	QPSK	1	49	11.64	11.65	11.60		
10	QPSK	25	0	11.54	11.64	11.59	12.5	0
10	QPSK	25	12	11.64	11.67	11.74		
10	QPSK	25	25	11.59	11.64	11.71		
10	QPSK	50	0	11.60	11.62	11.62		
10	16QAM	1	0	11.41	11.84	11.54	12.5	0
10	16QAM	1	25	11.43	11.45	11.34		
10	16QAM	1	49	11.59	11.60	11.75		
10	16QAM	25	0	11.57	11.72	11.62	12.5	0
10	16QAM	25	12	11.66	11.67	11.70		
10	16QAM	25	25	11.62	11.77	11.74		
10	16QAM	50	0	11.70	11.66	11.69		
10	64QAM	1	0	11.81	11.47	11.46	12.5	0
10	64QAM	1	25	11.55	11.54	11.72		
10	64QAM	1	49	11.60	11.56	11.56		
10	64QAM	25	0	11.61	11.71	11.75	12.5	0
10	64QAM	25	12	11.72	11.67	11.75		
10	64QAM	25	25	11.67	11.59	11.82		
10	64QAM	50	0	11.73	11.70	11.66		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	11.55	11.61	11.63	12.5	0
5	QPSK	1	12	11.55	11.71	11.63		
5	QPSK	1	24	11.62	11.41	11.52		
5	QPSK	12	0	11.57	11.63	11.62	12.5	0
5	QPSK	12	7	11.52	11.58	11.72		
5	QPSK	12	13	11.57	11.62	11.65		
5	QPSK	25	0	11.57	11.62	11.64		
5	16QAM	1	0	11.65	11.69	11.64	12.5	0
5	16QAM	1	12	11.65	11.72	11.56		
5	16QAM	1	24	11.44	11.78	11.65		
5	16QAM	12	0	11.59	11.67	11.64	12.5	0
5	16QAM	12	7	11.54	11.66	11.69		
5	16QAM	12	13	11.58	11.74	11.66		
5	16QAM	25	0	11.59	11.63	11.66		
5	64QAM	1	0	11.64	11.65	11.55	12.5	0
5	64QAM	1	12	11.60	11.34	11.65		
5	64QAM	1	24	11.82	11.67	11.56		
5	64QAM	12	0	11.61	11.60	11.79	12.5	0
5	64QAM	12	7	11.59	11.58	11.68		
5	64QAM	12	13	11.60	11.72	11.71		
5	64QAM	25	0	11.61	11.65	11.69		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	11.63	11.73	11.43	12.5	0
3	QPSK	1	8	11.68	11.43	11.44		
3	QPSK	1	14	11.83	11.77	11.83		
3	QPSK	8	0	11.81	11.45	11.84	12.5	0
3	QPSK	8	4	11.43	11.43	11.43		
3	QPSK	8	7	11.76	11.82	11.43		
3	QPSK	15	0	11.84	11.43	11.44		
3	16QAM	1	0	11.48	11.73	11.45	12.5	0
3	16QAM	1	8	11.65	11.67	11.60		
3	16QAM	1	14	11.73	11.68	11.43		
3	16QAM	8	0	11.58	11.64	11.74	12.5	0
3	16QAM	8	4	11.60	11.66	11.74		
3	16QAM	8	7	11.60	11.57	11.71		
3	16QAM	15	0	11.44	11.57	11.76		
3	64QAM	1	0	11.34	11.56	11.79	12.5	0
3	64QAM	1	8	11.45	11.61	11.59		
3	64QAM	1	14	11.65	11.43	11.43		
3	64QAM	8	0	11.54	11.66	11.62	12.5	0
3	64QAM	8	4	11.47	11.63	11.76		
3	64QAM	8	7	11.48	11.61	11.59		
3	64QAM	15	0	11.44	11.54	11.70		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	11.34	11.35	11.44	12.5	0
1.4	QPSK	1	3	11.40	11.45	11.56		
1.4	QPSK	1	5	11.48	11.39	11.44		
1.4	QPSK	3	0	11.35	11.40	11.46		
1.4	QPSK	3	1	11.43	11.49	11.59		
1.4	QPSK	3	3	11.40	11.44	11.49		
1.4	QPSK	6	0	11.50	11.48	11.54	12.5	0
1.4	16QAM	1	0	11.75	11.35	11.56	12.5	0
1.4	16QAM	1	3	11.54	11.72	11.55		
1.4	16QAM	1	5	11.65	11.80	11.43		
1.4	16QAM	3	0	11.37	11.37	11.53		
1.4	16QAM	3	1	11.42	11.61	11.49		
1.4	16QAM	3	3	11.47	11.50	11.58		
1.4	16QAM	6	0	11.54	11.50	11.59	12.5	0
1.4	64QAM	1	0	11.66	11.43	11.54	12.5	0
1.4	64QAM	1	3	11.82	11.54	11.55		
1.4	64QAM	1	5	11.72	11.49	11.55		
1.4	64QAM	3	0	11.64	11.32	11.63		
1.4	64QAM	3	1	11.56	11.70	11.72		
1.4	64QAM	3	3	11.55	11.64	11.42		
1.4	64QAM	6	0	11.37	11.53	11.51	9.5	3

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		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	11.41	11.43	11.30	12.5	0
20	QPSK	1	49	11.06	11.28	11.37		
20	QPSK	1	99	11.03	11.09	11.28		
20	QPSK	50	0	11.12	11.40	11.39	12.5	0
20	QPSK	50	24	11.20	11.30	11.38		
20	QPSK	50	50	11.06	11.22	11.28		
20	QPSK	100	0	11.16	11.32	11.31		
20	16QAM	1	0	11.07	11.01	11.33	12.5	0
20	16QAM	1	49	11.20	11.21	11.22		
20	16QAM	1	99	11.28	11.13	11.23		
20	16QAM	50	0	10.97	10.98	11.00	12.5	0
20	16QAM	50	24	10.92	11.09	11.09		
20	16QAM	50	50	10.91	11.05	11.10		
20	16QAM	100	0	10.94	11.01	11.17		
20	64QAM	1	0	11.01	11.19	11.17	12.5	0
20	64QAM	1	49	11.19	10.76	11.01		
20	64QAM	1	99	11.01	11.09	11.10		
20	64QAM	50	0	10.96	11.01	11.14	12.5	0
20	64QAM	50	24	10.98	11.05	11.11		
20	64QAM	50	50	10.92	11.00	11.14		
20	64QAM	100	0	10.98	10.98	11.03		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	11.11	11.04	11.18	12.5	0
15	QPSK	1	37	11.11	11.12	11.24		
15	QPSK	1	74	11.04	11.21	11.34		
15	QPSK	36	0	11.20	11.29	11.33	12.5	0
15	QPSK	36	20	11.18	11.32	11.38		
15	QPSK	36	39	11.06	11.27	11.38		
15	QPSK	75	0	11.03	11.27	11.35		
15	16QAM	1	0	11.03	11.12	11.10	12.5	0
15	16QAM	1	37	10.94	10.99	11.02		
15	16QAM	1	74	10.98	11.22	11.01		
15	16QAM	36	0	10.86	10.91	10.97	12.5	0
15	16QAM	36	20	10.98	11.10	11.12		
15	16QAM	36	39	10.95	10.93	10.99		
15	16QAM	75	0	10.88	11.07	11.15		
15	64QAM	1	0	11.19	11.01	11.24	12.5	0
15	64QAM	1	37	11.11	11.24	11.02		
15	64QAM	1	74	10.99	10.98	11.05		
15	64QAM	36	0	10.96	11.03	11.10	12.5	0
15	64QAM	36	20	10.99	11.09	11.13		
15	64QAM	36	39	11.00	11.04	11.05		
15	64QAM	75	0	10.89	11.03	11.13		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	11.38	11.41	11.13	12.5	0
10	QPSK	1	25	11.23	11.15	11.10		
10	QPSK	1	49	11.28	11.06	11.21		
10	QPSK	25	0	11.37	11.21	11.10	12.5	0
10	QPSK	25	12	11.18	11.10	11.21		
10	QPSK	25	25	11.21	11.36	11.23		
10	QPSK	50	0	11.12	11.42	11.21		
10	16QAM	1	0	11.38	11.34	11.02	12.5	0
10	16QAM	1	25	11.20	11.05	11.29		
10	16QAM	1	49	11.02	11.22	11.28		
10	16QAM	25	0	11.10	11.17	11.28	12.5	0
10	16QAM	25	12	11.01	11.23	11.23		
10	16QAM	25	25	11.00	11.20	11.21		
10	16QAM	50	0	10.93	11.17	11.20		
10	64QAM	1	0	11.21	11.13	11.30	12.5	0
10	64QAM	1	25	11.23	11.32	11.39		
10	64QAM	1	49	11.03	11.22	11.31		
10	64QAM	25	0	11.08	11.21	11.34	12.5	0
10	64QAM	25	12	11.09	11.28	11.27		
10	64QAM	25	25	10.94	11.26	11.21		
10	64QAM	50	0	11.00	11.14	11.34		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	11.04	11.13	11.09	12.5	0
5	QPSK	1	12	11.20	11.24	11.19		
5	QPSK	1	24	11.04	10.99	11.14		
5	QPSK	12	0	11.05	11.10	11.18	12.5	0
5	QPSK	12	7	11.03	11.12	11.17		
5	QPSK	12	13	11.08	11.18	11.20		
5	QPSK	25	0	11.07	11.14	11.17		
5	16QAM	1	0	11.10	11.15	11.18	12.5	0
5	16QAM	1	12	11.21	11.21	11.34		
5	16QAM	1	24	11.15	11.38	11.25		
5	16QAM	12	0	11.12	11.15	11.17	12.5	0
5	16QAM	12	7	11.02	11.09	11.13		
5	16QAM	12	13	11.05	11.21	11.13		
5	16QAM	25	0	11.15	11.19	11.21		
5	64QAM	1	0	11.21	11.02	11.03	12.5	0
5	64QAM	1	12	11.01	11.02	11.09		
5	64QAM	1	24	11.13	11.12	11.23		
5	64QAM	12	0	11.03	11.22	11.29	12.5	0
5	64QAM	12	7	11.12	11.22	11.32		
5	64QAM	12	13	11.09	11.25	11.28		
5	64QAM	25	0	11.00	11.15	11.21		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	10.84	11.01	11.15	12.5	0
3	QPSK	1	8	11.08	11.00	11.29		
3	QPSK	1	14	10.93	11.08	11.10		
3	QPSK	8	0	11.02	11.12	11.13	12.5	0
3	QPSK	8	4	11.08	11.10	11.16		
3	QPSK	8	7	10.96	11.18	11.20		
3	QPSK	15	0	10.98	11.10	11.16		
3	16QAM	1	0	11.21	11.24	11.08	12.5	0
3	16QAM	1	8	11.24	11.17	11.23		
3	16QAM	1	14	11.41	11.41	11.27		
3	16QAM	8	0	11.06	11.12	11.23	12.5	0
3	16QAM	8	4	10.98	11.08	11.23		
3	16QAM	8	7	11.06	11.18	11.20		
3	16QAM	15	0	11.02	11.11	11.21		
3	64QAM	1	0	11.21	11.22	11.10	12.5	0
3	64QAM	1	8	11.17	11.39	11.08		
3	64QAM	1	14	11.20	11.21	11.23		
3	64QAM	8	0	10.92	11.21	11.20	12.5	0
3	64QAM	8	4	11.20	11.35	11.28		
3	64QAM	8	7	11.13	11.19	11.37		
3	64QAM	15	0	11.09	11.08	11.26		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	10.80	10.87	11.01	12.5	0
1.4	QPSK	1	3	10.92	11.07	10.96		
1.4	QPSK	1	5	10.86	10.88	10.94		
1.4	QPSK	3	0	10.84	10.91	11.00		
1.4	QPSK	3	1	10.86	11.01	11.10		
1.4	QPSK	3	3	10.81	10.98	11.01		
1.4	QPSK	6	0	10.93	11.06	11.14	12.5	0
1.4	16QAM	1	0	11.01	11.15	11.12	12.5	0
1.4	16QAM	1	3	10.98	11.23	11.12		
1.4	16QAM	1	5	10.95	11.30	10.83		
1.4	16QAM	3	0	10.90	11.01	11.12		
1.4	16QAM	3	1	11.09	11.15	11.22		
1.4	16QAM	3	3	10.85	11.07	11.04		
1.4	16QAM	6	0	11.07	11.08	11.01	12.5	0
1.4	64QAM	1	0	11.10	11.03	11.09	12.5	0
1.4	64QAM	1	3	11.22	11.21	11.09		
1.4	64QAM	1	5	11.13	11.34	11.04		
1.4	64QAM	3	0	11.11	11.18	11.27		
1.4	64QAM	3	1	11.07	11.32	11.31		
1.4	64QAM	3	3	11.03	11.20	11.14		
1.4	64QAM	6	0	11.02	11.04	11.18	12.5	0

FCC-FD-LTE_ENDC Handheld Ant2

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	17.01	17.19	17.15	18	0
20	QPSK	1	49	16.78	16.88	16.97		
20	QPSK	1	99	16.98	16.83	16.99		
20	QPSK	50	0	16.72	17.00	16.99	18	0
20	QPSK	50	24	16.80	16.90	16.98		
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	16.61	16.93	18	0
20	16QAM	1	49	16.80	16.81	16.82		
20	16QAM	1	99	16.88	16.73	16.83		
20	16QAM	50	0	16.57	16.58	16.60	18	0
20	16QAM	50	24	16.52	16.69	16.69		
20	16QAM	50	50	16.51	16.65	16.70		
20	16QAM	100	0	16.54	16.61	16.77		
20	64QAM	1	0	16.61	16.79	16.77	18	0
20	64QAM	1	49	16.79	16.36	16.61		
20	64QAM	1	99	16.61	16.69	16.70		
20	64QAM	50	0	16.56	16.61	16.74	18	0
20	64QAM	50	24	16.58	16.65	16.71		
20	64QAM	50	50	16.52	16.60	16.74		
20	64QAM	100	0	16.58	16.58	16.63		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	16.91	16.84	16.98	18	0
15	QPSK	1	37	16.91	16.92	17.04		
15	QPSK	1	74	16.84	17.01	17.14		
15	QPSK	36	0	17.00	17.09	17.13	18	0
15	QPSK	36	20	16.98	17.12	17.18		
15	QPSK	36	39	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	18	0
15	16QAM	1	37	16.74	16.79	16.82		
15	16QAM	1	74	16.78	17.02	16.81		
15	16QAM	36	0	16.66	16.71	16.77	18	0
15	16QAM	36	20	16.78	16.90	16.92		
15	16QAM	36	39	16.75	16.73	16.79		
15	16QAM	75	0	16.68	16.87	16.95		
15	64QAM	1	0	16.99	16.81	17.04	18	0
15	64QAM	1	37	16.91	17.04	16.82		
15	64QAM	1	74	16.79	16.78	16.85		
15	64QAM	36	0	16.76	16.83	16.90	18	0
15	64QAM	36	20	16.79	16.89	16.93		
15	64QAM	36	39	16.80	16.84	16.85		
15	64QAM	75	0	16.69	16.83	16.93		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
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	18	0
10	QPSK	25	12	16.98	16.90	17.01		
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	18	0
10	16QAM	1	25	17.00	16.85	17.09		
10	16QAM	1	49	16.82	17.02	17.08		
10	16QAM	25	0	16.90	16.97	17.08	18	0
10	16QAM	25	12	16.81	17.03	17.03		
10	16QAM	25	25	16.80	17.00	17.01		
10	16QAM	50	0	16.73	16.97	17.00		
10	64QAM	1	0	17.01	16.93	17.10	18	0
10	64QAM	1	25	17.03	17.12	17.12		
10	64QAM	1	49	16.83	17.02	17.11		
10	64QAM	25	0	16.88	17.01	17.14	18	0
10	64QAM	25	12	16.89	17.08	17.07		
10	64QAM	25	25	16.74	17.06	17.01		
10	64QAM	50	0	16.80	16.94	17.14		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	16.84	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	18	0
5	QPSK	12	7	16.83	16.92	16.97		
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	18	0
5	16QAM	1	12	17.01	17.01	17.14		
5	16QAM	1	24	16.95	17.18	17.05		
5	16QAM	12	0	16.92	16.95	16.97	18	0
5	16QAM	12	7	16.82	16.89	16.93		
5	16QAM	12	13	16.85	17.01	16.93		
5	16QAM	25	0	16.95	16.99	17.01		
5	64QAM	1	0	17.01	16.82	16.83	18	0
5	64QAM	1	12	16.81	16.82	16.89		
5	64QAM	1	24	16.93	16.92	17.03		
5	64QAM	12	0	16.83	17.02	17.09	18	0
5	64QAM	12	7	16.92	17.02	17.12		
5	64QAM	12	13	16.89	17.05	17.08		
5	64QAM	25	0	16.80	16.95	17.01		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	16.64	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	18	0
3	QPSK	8	4	16.88	16.90	16.96		
3	QPSK	8	7	16.76	16.98	17.00		
3	QPSK	15	0	16.78	16.90	16.96		
3	16QAM	1	0	17.01	17.04	16.88	18	0
3	16QAM	1	8	17.04	16.97	17.03		
3	16QAM	1	14	17.12	17.11	17.07		
3	16QAM	8	0	16.86	16.92	17.03	18	0
3	16QAM	8	4	16.78	16.88	17.03		
3	16QAM	8	7	16.86	16.98	17.00		
3	16QAM	15	0	16.82	16.91	17.01		
3	64QAM	1	0	17.01	17.02	16.90	18	0
3	64QAM	1	8	16.97	17.12	16.88		
3	64QAM	1	14	17.00	17.01	17.03		
3	64QAM	8	0	16.72	17.01	17.00	18	0
3	64QAM	8	4	17.00	17.15	17.08		
3	64QAM	8	7	16.93	16.99	17.17		
3	64QAM	15	0	16.89	16.88	17.06		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	16.60	16.67	16.81	18	0
1.4	QPSK	1	3	16.72	16.87	16.76		
1.4	QPSK	1	5	16.66	16.68	16.74		
1.4	QPSK	3	0	16.64	16.71	16.80		
1.4	QPSK	3	1	16.66	16.81	16.90		
1.4	QPSK	3	3	16.61	16.78	16.81		
1.4	QPSK	6	0	16.73	16.86	16.94	18	0
1.4	16QAM	1	0	16.81	16.95	16.92	18	0
1.4	16QAM	1	3	16.78	17.03	16.92		
1.4	16QAM	1	5	16.75	17.10	16.63		
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		
1.4	16QAM	6	0	16.87	16.88	16.81	18	0
1.4	64QAM	1	0	16.90	16.83	16.89	18	0
1.4	64QAM	1	3	17.02	17.01	16.89		
1.4	64QAM	1	5	16.93	17.14	16.84		
1.4	64QAM	3	0	16.91	16.98	17.07		
1.4	64QAM	3	1	16.87	17.12	17.11		
1.4	64QAM	3	3	16.83	17.00	16.94		
1.4	64QAM	6	0	16.82	16.84	16.98	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				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	17.02	17.22	17.10	18	0
20	QPSK	1	49	16.98	16.87	16.84		
20	QPSK	1	99	16.92	17.03	16.74		
20	QPSK	50	0	16.89	17.00	16.87	18	0
20	QPSK	50	24	16.90	16.92	16.88		
20	QPSK	50	50	16.77	16.85	16.99		
20	QPSK	100	0	16.71	16.90	16.88		
20	16QAM	1	0	17.01	16.75	16.65	18	0
20	16QAM	1	49	17.00	16.77	16.91		
20	16QAM	1	99	16.60	17.02	17.10		
20	16QAM	50	0	16.92	16.93	16.83	18	0
20	16QAM	50	24	16.94	16.95	17.05		
20	16QAM	50	50	16.93	16.90	17.01		
20	16QAM	100	0	16.80	16.82	16.94		
20	64QAM	1	0	16.76	16.89	17.02	18	0
20	64QAM	1	49	16.74	17.02	17.02		
20	64QAM	1	99	16.83	17.05	16.84		
20	64QAM	50	0	16.87	16.95	16.91	18	0
20	64QAM	50	24	16.90	16.87	16.90		
20	64QAM	50	50	16.80	16.85	17.06		
20	64QAM	100	0	16.76	16.84	17.07		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	16.99	17.08	17.00	18	0
15	QPSK	1	37	16.93	17.02	17.00		
15	QPSK	1	74	17.09	16.86	17.06		
15	QPSK	36	0	17.11	17.10	17.02	18	0
15	QPSK	36	20	17.12	17.12	16.83		
15	QPSK	36	39	17.12	17.13	16.88		
15	QPSK	75	0	17.02	17.21	17.09		
15	16QAM	1	0	16.89	16.85	16.84	18	0
15	16QAM	1	37	17.12	16.99	17.08		
15	16QAM	1	74	17.08	16.84	16.83		
15	16QAM	36	0	16.81	16.88	16.89	18	0
15	16QAM	36	20	16.93	16.93	16.99		
15	16QAM	36	39	16.96	16.87	16.96		
15	16QAM	75	0	16.86	16.83	16.93		
15	64QAM	1	0	16.86	16.78	16.82	18	0
15	64QAM	1	37	17.13	16.72	16.93		
15	64QAM	1	74	16.82	16.84	17.19		
15	64QAM	36	0	16.91	16.90	16.89	18	0
15	64QAM	36	20	16.94	16.99	16.97		
15	64QAM	36	39	16.86	16.84	16.98		
15	64QAM	75	0	16.91	16.85	16.86		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	16.90	16.88	16.82	18	0
10	QPSK	1	25	16.79	16.87	17.12		
10	QPSK	1	49	16.81	16.82	16.91		
10	QPSK	25	0	16.88	16.95	16.97	18	0
10	QPSK	25	12	16.92	17.01	16.91		
10	QPSK	25	25	16.87	16.98	17.09		
10	QPSK	50	0	16.89	16.88	16.88		
10	16QAM	1	0	16.74	16.84	16.93	18	0
10	16QAM	1	25	16.86	16.85	16.65		
10	16QAM	1	49	16.71	16.71	16.98		
10	16QAM	25	0	16.59	16.82	16.70	18	0
10	16QAM	25	12	16.73	16.72	16.77		
10	16QAM	25	25	16.67	16.87	16.91		
10	16QAM	50	0	16.61	16.75	16.77		
10	64QAM	1	0	16.33	16.70	16.65	18	0
10	64QAM	1	25	16.34	16.44	16.45		
10	64QAM	1	49	16.43	16.46	16.44		
10	64QAM	25	0	16.74	16.67	16.72	18	0
10	64QAM	25	12	16.64	16.79	16.70		
10	64QAM	25	25	16.54	16.70	16.82		
10	64QAM	50	0	16.67	16.75	16.78		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	16.85	16.81	16.98	18	0
5	QPSK	1	12	16.80	16.75	16.96		
5	QPSK	1	24	16.84	17.01	16.85		
5	QPSK	12	0	16.91	16.96	16.98	18	0
5	QPSK	12	7	16.88	16.97	17.02		
5	QPSK	12	13	16.89	16.89	17.04		
5	QPSK	25	0	16.90	16.93	17.02		
5	16QAM	1	0	17.13	17.08	17.01	18	0
5	16QAM	1	12	16.85	16.90	16.80		
5	16QAM	1	24	16.95	16.74	16.94		
5	16QAM	12	0	16.69	16.63	16.83	18	0
5	16QAM	12	7	16.75	16.57	16.80		
5	16QAM	12	13	16.69	16.64	16.84		
5	16QAM	25	0	16.58	16.70	16.83		
5	64QAM	1	0	16.89	16.93	16.90	18	0
5	64QAM	1	12	16.97	16.69	17.04		
5	64QAM	1	24	17.11	16.65	17.02		
5	64QAM	12	0	16.63	16.85	16.84	18	0
5	64QAM	12	7	16.72	16.76	16.85		
5	64QAM	12	13	16.59	16.70	16.83		
5	64QAM	25	0	16.72	16.59	16.93		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	16.81	16.90	16.96	18	0
3	QPSK	1	8	16.76	16.87	17.14		
3	QPSK	1	14	16.72	16.85	16.99		
3	QPSK	8	0	16.90	16.89	17.04	18	0
3	QPSK	8	4	16.84	16.96	17.04		
3	QPSK	8	7	16.88	16.92	16.99		
3	QPSK	15	0	16.92	16.92	16.98		
3	16QAM	1	0	17.11	17.02	17.14	18	0
3	16QAM	1	8	17.02	17.10	17.02		
3	16QAM	1	14	16.94	17.02	17.01		
3	16QAM	8	0	16.79	16.71	16.91	18	0
3	16QAM	8	4	16.64	16.78	16.76		
3	16QAM	8	7	16.80	16.68	16.70		
3	16QAM	15	0	16.72	16.57	16.74		
3	64QAM	1	0	16.91	16.70	16.78	18	0
3	64QAM	1	8	16.75	16.80	17.03		
3	64QAM	1	14	16.69	16.98	17.13		
3	64QAM	8	0	16.68	16.79	16.81	18	0
3	64QAM	8	4	16.68	16.72	16.91		
3	64QAM	8	7	16.64	16.58	16.86		
3	64QAM	15	0	16.67	16.52	16.83		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	16.74	16.60	16.93	18	0
1.4	QPSK	1	3	16.84	16.77	17.00		
1.4	QPSK	1	5	16.75	16.72	16.90		
1.4	QPSK	3	0	16.71	16.72	16.97		
1.4	QPSK	3	1	16.82	16.83	16.91		
1.4	QPSK	3	3	16.75	16.74	16.94		
1.4	QPSK	6	0	16.49	16.60	16.79	18	0
1.4	16QAM	1	0	16.96	16.68	16.90	18	0
1.4	16QAM	1	3	16.84	16.97	16.67		
1.4	16QAM	1	5	17.04	17.01	17.02		
1.4	16QAM	3	0	16.55	16.57	16.55		
1.4	16QAM	3	1	16.52	16.44	16.77		
1.4	16QAM	3	3	16.50	16.74	16.57		
1.4	16QAM	6	0	16.64	16.61	16.74	18	0
1.4	64QAM	1	0	16.68	17.01	16.57	18	0
1.4	64QAM	1	3	16.93	16.87	16.82		
1.4	64QAM	1	5	16.52	16.63	16.91		
1.4	64QAM	3	0	16.49	16.59	16.59		
1.4	64QAM	3	1	16.59	16.53	16.88		
1.4	64QAM	3	3	16.47	16.64	16.72		
1.4	64QAM	6	0	16.47	16.48	16.67	15	3

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		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	16.21	16.26	16.08	17	0
20	QPSK	1	49	15.93	16.02	16.18		
20	QPSK	1	99	16.00	15.91	15.98		
20	QPSK	50	0	15.96	16.18	16.11	17	0
20	QPSK	50	24	15.86	16.12	16.17		
20	QPSK	50	50	15.89	15.93	16.15		
20	QPSK	100	0	15.92	16.13	16.10		
20	16QAM	1	0	15.93	16.20	16.12	17	0
20	16QAM	1	49	15.89	15.94	15.87		
20	16QAM	1	99	16.04	15.96	16.22		
20	16QAM	50	0	15.75	15.77	15.83	17	0
20	16QAM	50	24	15.72	15.71	15.92		
20	16QAM	50	50	15.54	15.78	15.92		
20	16QAM	100	0	15.60	15.70	15.91		
20	64QAM	1	0	15.81	15.92	15.92	17	0
20	64QAM	1	49	15.96	15.57	15.67		
20	64QAM	1	99	15.99	15.50	15.56		
20	64QAM	50	0	15.65	15.73	15.89	17	0
20	64QAM	50	24	15.67	15.80	15.76		
20	64QAM	50	50	15.62	15.67	15.89		
20	64QAM	100	0	15.69	15.80	15.95		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	15.86	15.86	16.13	17	0
15	QPSK	1	37	16.12	16.03	16.08		
15	QPSK	1	74	16.23	15.96	16.10		
15	QPSK	36	0	15.97	16.04	16.16	17	0
15	QPSK	36	20	16.02	16.08	16.23		
15	QPSK	36	39	15.84	15.99	16.09		
15	QPSK	75	0	15.92	16.01	16.13		
15	16QAM	1	0	16.17	15.86	16.01	17	0
15	16QAM	1	37	15.92	15.87	15.92		
15	16QAM	1	74	15.90	16.20	15.99		
15	16QAM	36	0	15.62	15.70	15.78	17	0
15	16QAM	36	20	15.76	15.81	15.83		
15	16QAM	36	39	15.62	15.77	15.77		
15	16QAM	75	0	15.74	15.77	15.91		
15	64QAM	1	0	15.70	15.80	15.84	17	0
15	64QAM	1	37	15.62	15.76	15.65		
15	64QAM	1	74	15.51	15.71	15.71		
15	64QAM	36	0	15.66	15.77	15.87	17	0
15	64QAM	36	20	15.71	15.84	15.84		
15	64QAM	36	39	15.64	15.80	15.81		
15	64QAM	75	0	15.79	15.80	15.93		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	16.01	15.96	16.06	17	0
10	QPSK	1	25	16.01	15.75	16.12		
10	QPSK	1	49	15.82	16.01	16.08		
10	QPSK	25	0	16.07	16.08	15.92	17	0
10	QPSK	25	12	16.07	16.15	16.21		
10	QPSK	25	25	16.01	16.21	15.89		
10	QPSK	50	0	15.95	16.16	16.17		
10	16QAM	1	0	16.01	15.88	16.24	17	0
10	16QAM	1	25	16.21	16.02	15.83		
10	16QAM	1	49	16.21	16.01	15.82		
10	16QAM	25	0	15.90	15.78	16.11	17	0
10	16QAM	25	12	15.83	16.05	16.14		
10	16QAM	25	25	15.78	15.93	16.03		
10	16QAM	50	0	15.82	15.98	16.01		
10	64QAM	1	0	15.89	16.02	16.23	17	0
10	64QAM	1	25	15.82	15.89	16.01		
10	64QAM	1	49	15.98	15.91	15.99		
10	64QAM	25	0	15.90	15.78	16.01	17	0
10	64QAM	25	12	15.73	15.96	16.00		
10	64QAM	25	25	15.75	16.03	16.03		
10	64QAM	50	0	15.80	15.96	15.97		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	16.05	16.21	16.19	17	0
5	QPSK	1	12	15.98	15.92	16.20		
5	QPSK	1	24	15.95	16.10	16.25		
5	QPSK	12	0	16.02	16.17	16.20	17	0
5	QPSK	12	7	16.05	16.11	16.23		
5	QPSK	12	13	16.07	16.11	15.89		
5	QPSK	25	0	16.07	16.14	16.23		
5	16QAM	1	0	16.01	16.12	16.21	17	0
5	16QAM	1	12	16.12	15.96	16.12		
5	16QAM	1	24	16.21	16.25	16.04		
5	16QAM	12	0	15.78	15.98	16.02	17	0
5	16QAM	12	7	15.82	16.01	15.94		
5	16QAM	12	13	15.79	16.02	16.03		
5	16QAM	25	0	15.95	16.00	15.96		
5	64QAM	1	0	16.01	16.14	16.12	17	0
5	64QAM	1	12	15.74	15.92	15.77		
5	64QAM	1	24	16.07	16.21	16.13		
5	64QAM	12	0	15.84	15.87	16.03	17	0
5	64QAM	12	7	15.86	16.01	16.02		
5	64QAM	12	13	15.81	15.91	15.89		
5	64QAM	25	0	15.89	15.91	15.97		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	16.13	16.16	16.09	17	0
3	QPSK	1	8	15.99	16.18	16.16		
3	QPSK	1	14	16.02	16.06	16.17		
3	QPSK	8	0	16.03	16.13	16.19	17	0
3	QPSK	8	4	16.04	16.22	15.92		
3	QPSK	8	7	16.07	16.15	16.19		
3	QPSK	15	0	16.08	16.08	16.17		
3	16QAM	1	0	15.87	15.81	16.12	17	0
3	16QAM	1	8	15.87	16.15	16.21		
3	16QAM	1	14	15.86	15.81	16.06		
3	16QAM	8	0	15.85	16.03	16.15	17	0
3	16QAM	8	4	15.79	15.95	16.15		
3	16QAM	8	7	15.90	15.93	15.96		
3	16QAM	15	0	15.77	15.98	15.98		
3	64QAM	1	0	16.13	16.21	15.99	17	0
3	64QAM	1	8	15.98	16.12	16.17		
3	64QAM	1	14	15.88	16.10	15.97		
3	64QAM	8	0	15.85	15.80	15.90	17	0
3	64QAM	8	4	15.92	15.89	15.99		
3	64QAM	8	7	15.86	15.85	15.98		
3	64QAM	15	0	15.87	15.84	15.98		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	15.80	16.03	16.01	17	0
1.4	QPSK	1	3	15.81	16.14	16.07		
1.4	QPSK	1	5	15.88	15.95	16.08		
1.4	QPSK	3	0	15.92	15.95	16.10		
1.4	QPSK	3	1	15.93	16.08	16.07		
1.4	QPSK	3	3	15.93	15.93	16.08		
1.4	QPSK	6	0	15.98	16.06	16.14	17	0
1.4	16QAM	1	0	15.98	15.92	16.21	17	0
1.4	16QAM	1	3	15.94	16.10	16.21		
1.4	16QAM	1	5	16.12	15.97	16.21		
1.4	16QAM	3	0	15.87	15.85	15.84		
1.4	16QAM	3	1	15.71	15.98	15.82		
1.4	16QAM	3	3	15.82	15.87	15.84		
1.4	16QAM	6	0	15.70	16.00	16.01	17	0
1.4	64QAM	1	0	16.22	15.90	16.02	17	0
1.4	64QAM	1	3	16.19	15.85	16.19		
1.4	64QAM	1	5	15.89	15.78	16.03		
1.4	64QAM	3	0	15.88	15.87	16.03		
1.4	64QAM	3	1	15.96	15.81	15.91		
1.4	64QAM	3	3	15.81	16.04	15.89		
1.4	64QAM	6	0	15.69	15.94	15.84	17	0

FCC-FD-LTE_ENDC Sensor Ant1

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	13.68	13.70	13.59	14.5	0
20	QPSK	1	49	13.43	13.37	13.48		
20	QPSK	1	99	13.52	13.41	13.65		
20	QPSK	50	0	13.54	13.62	13.59	14.5	0
20	QPSK	50	24	13.50	13.52	13.52		
20	QPSK	50	50	13.47	13.61	13.56		
20	QPSK	100	0	13.43	13.60	13.45		
20	16QAM	1	0	13.59	13.50	13.61	14.5	0
20	16QAM	1	49	13.50	13.48	13.48		
20	16QAM	1	99	13.25	13.55	13.36		
20	16QAM	50	0	13.20	13.29	13.31	14.5	0
20	16QAM	50	24	13.33	13.23	13.41		
20	16QAM	50	50	13.19	13.33	13.36		
20	16QAM	100	0	13.23	13.22	13.29		
20	64QAM	1	0	12.97	12.86	13.02	14.5	0
20	64QAM	1	49	12.86	12.96	13.04		
20	64QAM	1	99	12.89	12.92	13.00		
20	64QAM	50	0	12.86	12.81	12.96	14.5	0
20	64QAM	50	24	12.80	12.82	12.98		
20	64QAM	50	50	12.79	12.93	12.93		
20	64QAM	100	0	12.81	12.90	13.02		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	13.30	13.17	13.25	14.5	0
15	QPSK	1	37	12.99	13.17	13.14		
15	QPSK	1	74	13.17	13.10	13.16		
15	QPSK	36	0	13.25	13.24	13.42	14.5	0
15	QPSK	36	20	13.24	13.23	13.41		
15	QPSK	36	39	13.20	13.32	13.41		
15	QPSK	75	0	13.23	13.31	13.36		
15	16QAM	1	0	13.55	13.42	13.60	14.5	0
15	16QAM	1	37	13.44	13.51	13.53		
15	16QAM	1	74	13.33	13.53	13.35		
15	16QAM	36	0	13.38	13.31	13.27	14.5	0
15	16QAM	36	20	13.29	13.25	13.38		
15	16QAM	36	39	13.22	13.33	13.34		
15	16QAM	75	0	13.25	13.20	13.33		
15	64QAM	1	0	13.00	12.83	12.93	14.5	0
15	64QAM	1	37	12.77	12.71	12.79		
15	64QAM	1	74	12.76	12.93	12.96		
15	64QAM	36	0	12.80	12.84	13.08	14.5	0
15	64QAM	36	20	12.85	12.84	12.98		
15	64QAM	36	39	12.78	12.82	13.01		
15	64QAM	75	0	12.85	12.89	12.99		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	13.44	13.30	13.31	14.5	0
10	QPSK	1	25	13.33	13.36	13.38		
10	QPSK	1	49	13.06	13.31	13.23		
10	QPSK	25	0	13.49	13.40	13.50	14.5	0
10	QPSK	25	12	13.48	13.38	13.38		
10	QPSK	25	25	13.39	13.40	13.33		
10	QPSK	50	0	13.44	13.39	13.37		
10	16QAM	1	0	13.65	13.63	13.54	14.5	0
10	16QAM	1	25	13.51	13.62	13.63		
10	16QAM	1	49	13.50	13.61	13.65		
10	16QAM	25	0	13.48	13.42	13.48	14.5	0
10	16QAM	25	12	13.54	13.40	13.46		
10	16QAM	25	25	13.46	13.43	13.45		
10	16QAM	50	0	13.48	13.40	13.45		
10	64QAM	1	0	13.17	13.13	13.21	14.5	0
10	64QAM	1	25	13.17	12.95	13.17		
10	64QAM	1	49	12.92	13.15	13.01		
10	64QAM	25	0	13.12	13.00	13.08	14.5	0
10	64QAM	25	12	13.10	12.97	13.16		
10	64QAM	25	25	13.01	13.04	13.05		
10	64QAM	50	0	13.07	13.00	13.04		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	13.60	13.54	13.62	14.5	0
5	QPSK	1	12	13.63	13.43	13.51		
5	QPSK	1	24	13.45	13.53	13.35		
5	QPSK	12	0	13.65	13.62	13.59	14.5	0
5	QPSK	12	7	13.69	13.62	13.58		
5	QPSK	12	13	13.55	13.53	13.56		
5	QPSK	25	0	13.66	13.51	13.61		
5	16QAM	1	0	13.54	13.54	13.67	14.5	0
5	16QAM	1	12	13.63	13.60	13.64		
5	16QAM	1	24	13.69	13.65	13.61		
5	16QAM	12	0	13.64	13.40	13.55	14.5	0
5	16QAM	12	7	13.45	13.50	13.44		
5	16QAM	12	13	13.40	13.41	13.33		
5	16QAM	25	0	13.46	13.37	13.49		
5	64QAM	1	0	13.27	13.17	13.19	14.5	0
5	64QAM	1	12	13.18	13.02	13.16		
5	64QAM	1	24	13.11	13.19	13.00		
5	64QAM	12	0	13.18	13.11	13.21	14.5	0
5	64QAM	12	7	13.11	13.11	13.09		
5	64QAM	12	13	13.07	13.01	13.02		
5	64QAM	25	0	13.08	13.06	13.12		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	13.69	13.46	13.58	14.5	0
3	QPSK	1	8	13.55	13.61	13.44		
3	QPSK	1	14	13.49	13.48	13.28		
3	QPSK	8	0	13.56	13.55	13.64	14.5	0
3	QPSK	8	4	13.63	13.63	13.55		
3	QPSK	8	7	13.58	13.50	13.52		
3	QPSK	15	0	13.54	13.50	13.48		
3	16QAM	1	0	13.56	13.68	13.66	14.5	0
3	16QAM	1	8	13.65	13.55	13.56		
3	16QAM	1	14	13.62	13.61	13.50		
3	16QAM	8	0	13.60	13.51	13.52	14.5	0
3	16QAM	8	4	13.62	13.44	13.46		
3	16QAM	8	7	13.47	13.45	13.34		
3	16QAM	15	0	13.55	13.28	13.46		
3	64QAM	1	0	13.47	13.20	13.29	14.5	0
3	64QAM	1	8	13.23	13.27	13.22		
3	64QAM	1	14	13.26	13.17	13.07		
3	64QAM	8	0	13.18	13.02	13.13	14.5	0
3	64QAM	8	4	13.19	13.07	13.09		
3	64QAM	8	7	13.03	12.95	13.05		
3	64QAM	15	0	13.13	13.00	13.06		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	13.64	13.48	13.52	14.5	0
1.4	QPSK	1	3	13.45	13.65	13.48		
1.4	QPSK	1	5	13.52	13.50	13.44		
1.4	QPSK	3	0	13.65	13.58	13.50		
1.4	QPSK	3	1	13.63	13.64	13.49		
1.4	QPSK	3	3	13.59	13.50	13.39		
1.4	QPSK	6	0	13.65	13.59	13.58	14.5	0
1.4	16QAM	1	0	13.60	13.62	13.54	14.5	0
1.4	16QAM	1	3	13.66	13.67	13.65		
1.4	16QAM	1	5	13.67	13.54	13.47		
1.4	16QAM	3	0	13.51	13.42	13.36		
1.4	16QAM	3	1	13.50	13.45	13.36		
1.4	16QAM	3	3	13.39	13.31	13.30		
1.4	16QAM	6	0	13.53	13.46	13.28	14.5	0
1.4	64QAM	1	0	13.28	13.09	13.21	14.5	0
1.4	64QAM	1	3	13.26	13.20	13.10		
1.4	64QAM	1	5	13.17	13.04	13.12		
1.4	64QAM	3	0	13.21	13.06	13.01		
1.4	64QAM	3	1	13.29	13.13	13.16		
1.4	64QAM	3	3	13.06	13.05	13.02		
1.4	64QAM	6	0	13.07	12.95	12.88	14.5	0

Band 13(700MHz Band) Part 27F

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					23230			
Frequency (MHz)					782			
10	QPSK	1	0		21.74		23	0
10	QPSK	1	25		21.46			
10	QPSK	1	49		21.53			
10	QPSK	25	0		21.63		23	0
10	QPSK	25	12		21.61			
10	QPSK	25	25		21.63			
10	QPSK	50	0		21.48			
10	16QAM	1	0		21.54		23	0
10	16QAM	1	25		21.52			
10	16QAM	1	49		21.48			
10	16QAM	25	0		21.45		22	1
10	16QAM	25	12		21.44			
10	16QAM	25	25		21.48			
10	16QAM	50	0		21.34			
10	64QAM	1	0		20.56		22	1
10	64QAM	1	25		20.58			
10	64QAM	1	49		20.63			
10	64QAM	25	0		19.67		21	2
10	64QAM	25	12		19.79			
10	64QAM	25	25		19.71			
10	64QAM	50	0		19.46			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	21.36	21.36	21.34	23	0
5	QPSK	1	12	21.26	21.40	21.35		
5	QPSK	1	24	21.36	21.39	21.40		
5	QPSK	12	0	21.43	21.38	21.43	23	0
5	QPSK	12	7	21.45	21.37	21.50		
5	QPSK	12	13	21.41	21.48	21.51		
5	QPSK	25	0	21.61	21.45	21.50		
5	16QAM	1	0	21.56	21.66	21.70	23	0
5	16QAM	1	12	21.54	21.65	21.56		
5	16QAM	1	24	21.62	21.73	21.55		
5	16QAM	12	0	21.41	21.41	21.45	22	1
5	16QAM	12	7	21.56	21.41	21.49		
5	16QAM	12	13	21.43	21.41	21.50		
5	16QAM	25	0	21.59	21.41	21.52		
5	64QAM	1	0	21.43	21.34	21.66	22	1
5	64QAM	1	12	21.32	21.58	21.57		
5	64QAM	1	24	21.57	21.53	21.47		
5	64QAM	12	0	20.45	20.52	20.55	21	2
5	64QAM	12	7	20.09	20.54	20.54		
5	64QAM	12	13	20.46	20.34	20.44		
5	64QAM	25	0	20.32	20.58	20.54		

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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	14.45	14.65	14.41	15	0
20	QPSK	1	49	14.43	14.55	14.51		
20	QPSK	1	99	14.52	14.46	14.48		
20	QPSK	50	0	14.35	14.48	14.21	15	0
20	QPSK	50	24	14.46	14.33	14.34		
20	QPSK	50	50	14.28	14.33	14.20		
20	QPSK	100	0	14.16	14.19	14.08		
20	16QAM	1	0	14.22	14.33	14.20	15	0
20	16QAM	1	49	14.31	14.42	14.22		
20	16QAM	1	99	14.38	14.43	14.28		
20	16QAM	50	0	14.10	14.21	14.08	15	0
20	16QAM	50	24	14.20	14.24	14.06		
20	16QAM	50	50	14.21	14.22	14.00		
20	16QAM	100	0	14.15	14.18	14.05		
20	64QAM	1	0	14.07	14.20	14.09	15	0
20	64QAM	1	49	14.14	14.26	14.03		
20	64QAM	1	99	14.26	14.33	14.16		
20	64QAM	50	0	14.08	14.17	14.07	15	0
20	64QAM	50	24	14.15	14.22	14.09		
20	64QAM	50	50	14.19	14.19	14.00		
20	64QAM	100	0	14.16	14.19	14.07		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	13.89	13.94	13.81	15	0
15	QPSK	1	37	13.92	14.06	13.82		
15	QPSK	1	74	14.00	14.07	13.88		
15	QPSK	36	0	14.12	14.17	14.03	15	0
15	QPSK	36	20	14.13	14.17	14.06		
15	QPSK	36	39	14.15	14.18	14.02		
15	QPSK	75	0	14.13	14.18	14.05		
15	16QAM	1	0	14.22	14.34	14.14	15	0
15	16QAM	1	37	14.27	14.36	14.15		
15	16QAM	1	74	14.35	14.44	14.25		
15	16QAM	36	0	14.13	14.20	14.03	15	0
15	16QAM	36	20	14.13	14.17	14.04		
15	16QAM	36	39	14.14	14.18	13.97		
15	16QAM	75	0	14.13	14.17	14.02		
15	64QAM	1	0	14.07	14.23	14.05	15	0
15	64QAM	1	37	14.13	14.25	14.03		
15	64QAM	1	74	14.34	14.33	14.11		
15	64QAM	36	0	14.08	14.15	14.01	15	0
15	64QAM	36	20	14.12	14.18	13.99		
15	64QAM	36	39	14.14	14.16	13.99		
15	64QAM	75	0	14.12	14.16	14.03		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	14.17	14.22	14.05	15	0
10	QPSK	1	25	14.17	14.30	14.03		
10	QPSK	1	49	14.25	14.36	14.14		
10	QPSK	25	0	14.26	14.36	14.20	15	0
10	QPSK	25	12	14.33	14.41	14.19		
10	QPSK	25	25	14.32	14.41	14.19		
10	QPSK	50	0	14.28	14.33	14.19		
10	16QAM	1	0	14.25	14.36	14.14	15	0
10	16QAM	1	25	14.32	14.41	14.19		
10	16QAM	1	49	14.28	14.33	14.19		
10	16QAM	25	0	14.30	14.39	14.21	15	0
10	16QAM	25	12	14.32	14.41	14.23		
10	16QAM	25	25	14.30	14.39	14.22		
10	16QAM	50	0	14.30	14.35	14.19		
10	64QAM	1	0	14.36	14.44	14.22	15	0
10	64QAM	1	25	14.35	14.48	14.21		
10	64QAM	1	49	14.46	14.33	14.34		
10	64QAM	25	0	14.28	14.33	14.20	15	0
10	64QAM	25	12	14.31	14.38	14.21		
10	64QAM	25	25	14.29	14.38	14.19		
10	64QAM	50	0	14.25	14.32	14.15		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	14.14	14.19	14.03	15	0
5	QPSK	1	12	14.17	14.28	14.10		
5	QPSK	1	24	14.21	14.28	14.12		
5	QPSK	12	0	14.21	14.28	14.12	15	0
5	QPSK	12	7	14.27	14.35	14.19		
5	QPSK	12	13	14.29	14.39	14.24		
5	QPSK	25	0	14.24	14.36	14.16		
5	16QAM	1	0	14.21	14.28	14.12	15	0
5	16QAM	1	12	14.21	14.28	14.12		
5	16QAM	1	24	14.33	14.40	14.22		
5	16QAM	12	0	14.23	14.32	14.14	15	0
5	16QAM	12	7	14.31	14.38	14.20		
5	16QAM	12	13	14.33	14.40	14.22		
5	16QAM	25	0	14.25	14.33	14.15		
5	64QAM	1	0	14.35	14.47	14.28	15	0
5	64QAM	1	12	14.35	14.47	14.27		
5	64QAM	1	24	14.42	14.47	14.38		
5	64QAM	12	0	14.19	14.27	14.12	15	0
5	64QAM	12	7	14.29	14.35	14.20		
5	64QAM	12	13	14.29	14.37	14.20		
5	64QAM	25	0	14.24	14.34	14.16		

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	13.65	13.72	13.62	14.5	0
20	QPSK	1	49	13.25	13.28	13.41		
20	QPSK	1	99	13.34	13.37	13.43		
20	QPSK	50	0	13.43	13.64	13.58	14.5	0
20	QPSK	50	24	13.48	13.55	13.53		
20	QPSK	50	50	13.47	13.50	13.58		
20	QPSK	100	0	13.51	13.67	13.66		
20	16QAM	1	0	13.34	13.45	13.43	14.5	0
20	16QAM	1	49	13.48	13.49	13.54		
20	16QAM	1	99	13.40	13.51	13.57		
20	16QAM	50	0	13.26	13.28	13.42	14.5	0
20	16QAM	50	24	13.35	13.36	13.47		
20	16QAM	50	50	13.33	13.43	13.58		
20	16QAM	100	0	13.36	13.25	13.39		
20	64QAM	1	0	13.26	13.09	13.32	14.5	0
20	64QAM	1	49	13.21	13.36	13.19		
20	64QAM	1	99	13.20	13.23	13.32		
20	64QAM	50	0	13.23	13.27	13.22	14.5	0
20	64QAM	50	24	13.22	13.25	13.41		
20	64QAM	50	50	13.18	13.23	13.33		
20	64QAM	100	0	13.23	13.22	13.35		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	13.31	13.30	13.39	14.5	0
15	QPSK	1	37	13.12	13.31	13.29		
15	QPSK	1	74	13.36	13.33	13.27		
15	QPSK	36	0	13.57	13.43	13.52	14.5	0
15	QPSK	36	20	13.48	13.51	13.64		
15	QPSK	36	39	13.39	13.54	13.52		
15	QPSK	75	0	13.47	13.47	13.42		
15	16QAM	1	0	13.42	13.57	13.62	14.5	0
15	16QAM	1	37	13.38	13.32	13.62		
15	16QAM	1	74	13.41	13.51	13.50		
15	16QAM	36	0	13.30	13.26	13.35	14.5	0
15	16QAM	36	20	13.33	13.32	13.46		
15	16QAM	36	39	13.24	13.34	13.44		
15	16QAM	75	0	13.33	13.36	13.32		
15	64QAM	1	0	13.17	12.98	13.12	14.5	0
15	64QAM	1	37	13.02	13.01	13.32		
15	64QAM	1	74	13.16	13.12	13.17		
15	64QAM	36	0	13.10	12.93	13.09	14.5	0
15	64QAM	36	20	13.03	13.03	13.09		
15	64QAM	36	39	12.98	12.98	13.08		
15	64QAM	75	0	12.98	13.03	13.05		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	13.68	13.39	13.44	14.5	0
10	QPSK	1	25	13.48	13.42	13.48		
10	QPSK	1	49	13.48	13.45	13.54		
10	QPSK	25	0	13.64	13.57	13.63	14.5	0
10	QPSK	25	12	13.65	13.68	13.69		
10	QPSK	25	25	13.63	13.69	13.56		
10	QPSK	50	0	13.57	13.69	13.52		
10	16QAM	1	0	13.43	13.65	13.61	14.5	0
10	16QAM	1	25	13.61	13.55	13.65		
10	16QAM	1	49	13.53	13.52	13.54		
10	16QAM	25	0	13.38	13.32	13.58	14.5	0
10	16QAM	25	12	13.45	13.45	13.52		
10	16QAM	25	25	13.40	13.46	13.50		
10	16QAM	50	0	13.52	13.50	13.56		
10	64QAM	1	0	13.26	13.06	13.22	14.5	0
10	64QAM	1	25	13.25	13.20	13.24		
10	64QAM	1	49	13.14	13.16	13.33		
10	64QAM	25	0	13.16	13.15	13.20	14.5	0
10	64QAM	25	12	13.22	13.12	13.26		
10	64QAM	25	25	13.14	13.13	13.24		
10	64QAM	50	0	13.08	13.13	13.27		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	13.41	13.30	13.44	14.5	0
5	QPSK	1	12	13.44	13.36	13.45		
5	QPSK	1	24	13.41	13.42	13.43		
5	QPSK	12	0	13.49	13.47	13.53	14.5	0
5	QPSK	12	7	13.43	13.43	13.49		
5	QPSK	12	13	13.39	13.50	13.53		
5	QPSK	25	0	13.43	13.47	13.53		
5	16QAM	1	0	13.67	13.65	13.54	14.5	0
5	16QAM	1	12	13.54	13.63	13.58		
5	16QAM	1	24	13.61	13.56	13.55		
5	16QAM	12	0	13.43	13.46	13.49	14.5	0
5	16QAM	12	7	13.39	13.45	13.50		
5	16QAM	12	13	13.46	13.41	13.45		
5	16QAM	25	0	13.38	13.45	13.53		
5	64QAM	1	0	13.27	13.16	13.52	14.5	0
5	64QAM	1	12	13.25	13.15	13.48		
5	64QAM	1	24	13.32	13.38	13.46		
5	64QAM	12	0	13.16	13.13	13.27	14.5	0
5	64QAM	12	7	13.14	13.19	13.24		
5	64QAM	12	13	13.17	13.15	13.26		
5	64QAM	25	0	13.07	13.07	13.18		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	13.32	13.30	13.40	14.5	0
3	QPSK	1	8	13.45	13.38	13.42		
3	QPSK	1	14	13.33	13.31	13.43		
3	QPSK	8	0	13.40	13.40	13.47	14.5	0
3	QPSK	8	4	13.45	13.43	13.50		
3	QPSK	8	7	13.36	13.40	13.49		
3	QPSK	15	0	13.44	13.39	13.53		
3	16QAM	1	0	13.62	13.58	13.68	14.5	0
3	16QAM	1	8	13.59	13.54	13.54		
3	16QAM	1	14	13.65	13.59	13.68		
3	16QAM	8	0	13.51	13.44	13.56	14.5	0
3	16QAM	8	4	13.45	13.46	13.57		
3	16QAM	8	7	13.35	13.47	13.46		
3	16QAM	15	0	13.42	13.44	13.48		
3	64QAM	1	0	13.27	13.24	13.42	14.5	0
3	64QAM	1	8	13.27	13.29	13.41		
3	64QAM	1	14	13.32	13.39	13.33		
3	64QAM	8	0	13.06	13.15	13.22	14.5	0
3	64QAM	8	4	13.12	13.16	13.23		
3	64QAM	8	7	13.04	13.16	13.30		
3	64QAM	15	0	13.09	13.12	13.22		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	13.26	13.33	13.34	14.5	0
1.4	QPSK	1	3	13.28	13.28	13.38		
1.4	QPSK	1	5	13.21	13.24	13.26		
1.4	QPSK	3	0	13.26	13.24	13.33		
1.4	QPSK	3	1	13.29	13.26	13.40		
1.4	QPSK	3	3	13.24	13.24	13.28		
1.4	QPSK	6	0	13.36	13.33	13.41	14.5	0
1.4	16QAM	1	0	13.55	13.62	13.66	14.5	0
1.4	16QAM	1	3	13.59	13.67	13.67		
1.4	16QAM	1	5	13.42	13.62	13.62		
1.4	16QAM	3	0	13.30	13.30	13.30		
1.4	16QAM	3	1	13.27	13.37	13.45		
1.4	16QAM	3	3	13.25	13.32	13.38		
1.4	16QAM	6	0	13.39	13.43	13.53	14.5	0
1.4	64QAM	1	0	13.23	13.15	13.33	14.5	0
1.4	64QAM	1	3	13.17	13.20	13.38		
1.4	64QAM	1	5	13.11	13.11	13.34		
1.4	64QAM	3	0	13.14	13.23	13.19		
1.4	64QAM	3	1	13.15	13.12	13.25		
1.4	64QAM	3	3	13.12	13.11	13.26		
1.4	64QAM	6	0	12.97	13.05	13.08	11.5	3

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		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	12.67	12.80	12.52	14	0
20	QPSK	1	49	12.56	12.50	12.55		
20	QPSK	1	99	12.49	12.40	12.51		
20	QPSK	50	0	12.67	12.72	12.61	14	0
20	QPSK	50	24	12.49	12.69	12.60		
20	QPSK	50	50	12.57	12.65	12.69		
20	QPSK	100	0	12.57	12.72	12.67		
20	16QAM	1	0	12.56	12.69	12.59	14	0
20	16QAM	1	49	12.54	12.63	12.64		
20	16QAM	1	99	12.53	12.74	12.68		
20	16QAM	50	0	12.24	12.46	12.38	14	0
20	16QAM	50	24	12.37	12.41	12.43		
20	16QAM	50	50	12.37	12.47	12.40		
20	16QAM	100	0	12.36	12.38	12.38		
20	64QAM	1	0	12.48	12.44	12.62	14	0
20	64QAM	1	49	12.51	12.54	12.65		
20	64QAM	1	99	12.53	12.53	12.62		
20	64QAM	50	0	12.26	12.44	12.40	14	0
20	64QAM	50	24	12.40	12.40	12.46		
20	64QAM	50	50	12.37	12.35	12.55		
20	64QAM	100	0	12.48	12.48	12.42		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	12.33	12.36	12.44	14	0
15	QPSK	1	37	12.44	12.45	12.53		
15	QPSK	1	74	12.47	12.56	12.55		
15	QPSK	36	0	12.55	12.54	12.58	14	0
15	QPSK	36	20	12.60	12.64	12.65		
15	QPSK	36	39	12.57	12.60	12.57		
15	QPSK	75	0	12.58	12.64	12.58		
15	16QAM	1	0	12.43	12.62	12.69	14	0
15	16QAM	1	37	12.55	12.63	12.74		
15	16QAM	1	74	12.39	12.67	12.77		
15	16QAM	36	0	12.37	12.32	12.29	14	0
15	16QAM	36	20	12.40	12.42	12.47		
15	16QAM	36	39	12.28	12.34	12.50		
15	16QAM	75	0	12.36	12.42	12.39		
15	64QAM	1	0	12.38	12.44	12.54	14	0
15	64QAM	1	37	12.62	12.65	12.74		
15	64QAM	1	74	12.56	12.48	12.71		
15	64QAM	36	0	12.41	12.44	12.45	14	0
15	64QAM	36	20	12.43	12.46	12.55		
15	64QAM	36	39	12.44	12.47	12.43		
15	64QAM	75	0	12.44	12.41	12.40		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	12.68	12.51	12.79	14	0
10	QPSK	1	25	12.34	12.55	12.63		
10	QPSK	1	49	12.47	12.64	12.63		
10	QPSK	25	0	12.73	12.76	12.68	14	0
10	QPSK	25	12	12.69	12.54	12.64		
10	QPSK	25	25	12.64	12.79	12.54		
10	QPSK	50	0	12.61	12.73	12.77		
10	16QAM	1	0	12.79	12.63	12.66	14	0
10	16QAM	1	25	12.64	12.50	12.71		
10	16QAM	1	49	12.71	12.62	12.45		
10	16QAM	25	0	12.57	12.48	12.58	14	0
10	16QAM	25	12	12.53	12.64	12.58		
10	16QAM	25	25	12.51	12.51	12.64		
10	16QAM	50	0	12.44	12.62	12.53		
10	64QAM	1	0	12.68	12.73	12.49	14	0
10	64QAM	1	25	12.64	12.55	12.63		
10	64QAM	1	49	12.53	12.79	12.66		
10	64QAM	25	0	12.52	12.56	12.58	14	0
10	64QAM	25	12	12.57	12.62	12.59		
10	64QAM	25	25	12.52	12.60	12.65		
10	64QAM	50	0	12.48	12.62	12.53		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	12.65	12.59	12.67	14	0
5	QPSK	1	12	12.52	12.67	12.61		
5	QPSK	1	24	12.56	12.60	12.64		
5	QPSK	12	0	12.69	12.63	12.45	14	0
5	QPSK	12	7	12.68	12.79	12.77		
5	QPSK	12	13	12.69	12.73	12.70		
5	QPSK	25	0	12.69	12.72	12.45		
5	16QAM	1	0	12.55	12.73	12.54	14	0
5	16QAM	1	12	12.66	12.54	12.73		
5	16QAM	1	24	12.64	12.52	12.71		
5	16QAM	12	0	12.53	12.57	12.57	14	0
5	16QAM	12	7	12.52	12.51	12.62		
5	16QAM	12	13	12.53	12.55	12.58		
5	16QAM	25	0	12.50	12.54	12.56		
5	64QAM	1	0	12.65	12.58	12.52	14	0
5	64QAM	1	12	12.63	12.74	12.53		
5	64QAM	1	24	12.57	12.45	12.78		
5	64QAM	12	0	12.60	12.58	12.60	14	0
5	64QAM	12	7	12.57	12.66	12.68		
5	64QAM	12	13	12.49	12.57	12.59		
5	64QAM	25	0	12.54	12.53	12.57		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	12.42	12.34	12.39	14	0
3	QPSK	1	8	12.37	12.45	12.48		
3	QPSK	1	14	12.28	12.42	12.46		
3	QPSK	8	0	12.45	12.46	12.45	14	0
3	QPSK	8	4	12.39	12.50	12.52		
3	QPSK	8	7	12.39	12.46	12.54		
3	QPSK	15	0	12.37	12.52	12.52		
3	16QAM	1	0	12.70	12.63	12.63	14	0
3	16QAM	1	8	12.74	12.56	12.79		
3	16QAM	1	14	12.75	12.54	12.75		
3	16QAM	8	0	12.48	12.44	12.57	14	0
3	16QAM	8	4	12.51	12.58	12.60		
3	16QAM	8	7	12.48	12.52	12.56		
3	16QAM	15	0	12.44	12.45	12.57		
3	64QAM	1	0	12.68	12.58	12.54	14	0
3	64QAM	1	8	12.59	12.78	12.52		
3	64QAM	1	14	12.65	12.73	12.55		
3	64QAM	8	0	12.50	12.49	12.55	14	0
3	64QAM	8	4	12.56	12.56	12.60		
3	64QAM	8	7	12.54	12.56	12.63		
3	64QAM	15	0	12.39	12.52	12.56		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	12.51	12.42	12.51	14	0
1.4	QPSK	1	3	12.51	12.52	12.55		
1.4	QPSK	1	5	12.35	12.43	12.53		
1.4	QPSK	3	0	12.43	12.43	12.53		
1.4	QPSK	3	1	12.47	12.48	12.55		
1.4	QPSK	3	3	12.44	12.45	12.46		
1.4	QPSK	6	0	12.49	12.53	12.57	14	0
1.4	16QAM	1	0	12.62	12.65	12.56	14	0
1.4	16QAM	1	3	12.67	12.65	12.52		
1.4	16QAM	1	5	12.50	12.70	12.69		
1.4	16QAM	3	0	12.40	12.48	12.46		
1.4	16QAM	3	1	12.38	12.42	12.54		
1.4	16QAM	3	3	12.42	12.46	12.40		
1.4	16QAM	6	0	12.38	12.41	12.49	14	0
1.4	64QAM	1	0	12.50	12.58	12.67	14	0
1.4	64QAM	1	3	12.52	12.60	12.53		
1.4	64QAM	1	5	12.56	12.64	12.75		
1.4	64QAM	3	0	12.47	12.49	12.57		
1.4	64QAM	3	1	12.47	12.58	12.65		
1.4	64QAM	3	3	12.45	12.55	12.49		
1.4	64QAM	6	0	12.34	12.42	12.42	14	0

FCC-FD-LTE_ENDC Hotspot Ant1

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	12.03	12.30	12.22	13	0
20	QPSK	1	49	11.83	11.82	12.03		
20	QPSK	1	99	11.82	11.96	12.22		
20	QPSK	50	0	11.93	12.15	12.01	13	0
20	QPSK	50	24	11.97	12.04	12.14		
20	QPSK	50	50	11.93	12.07	12.06		
20	QPSK	100	0	11.99	12.10	12.09		
20	16QAM	1	0	12.18	12.05	12.08	13	0
20	16QAM	1	49	11.96	11.98	12.11		
20	16QAM	1	99	11.90	12.03	11.94		
20	16QAM	50	0	11.74	11.85	11.85	13	0
20	16QAM	50	24	11.73	11.78	11.84		
20	16QAM	50	50	11.78	11.90	11.81		
20	16QAM	100	0	11.83	11.77	11.88		
20	64QAM	1	0	12.02	11.87	11.97	13	0
20	64QAM	1	49	11.84	12.03	12.00		
20	64QAM	1	99	11.85	11.97	11.94		
20	64QAM	50	0	11.79	11.78	11.85	13	0
20	64QAM	50	24	11.82	11.74	11.87		
20	64QAM	50	50	11.89	11.84	11.96		
20	64QAM	100	0	11.82	11.82	11.81		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	11.97	11.89	11.88	13	0
15	QPSK	1	37	11.86	11.89	11.95		
15	QPSK	1	74	11.82	11.79	11.88		
15	QPSK	36	0	11.99	11.99	12.13	13	0
15	QPSK	36	20	11.96	11.95	12.11		
15	QPSK	36	39	12.05	12.05	11.99		
15	QPSK	75	0	11.99	11.92	12.05		
15	16QAM	1	0	12.02	12.06	12.05	13	0
15	16QAM	1	37	12.06	11.99	12.00		
15	16QAM	1	74	12.09	11.96	11.94		
15	16QAM	36	0	11.84	11.78	11.78	13	0
15	16QAM	36	20	11.86	11.77	11.90		
15	16QAM	36	39	11.79	11.88	11.82		
15	16QAM	75	0	11.89	11.74	11.75		
15	64QAM	1	0	12.04	11.96	12.13	13	0
15	64QAM	1	37	11.95	12.00	12.07		
15	64QAM	1	74	11.80	11.94	12.03		
15	64QAM	36	0	11.92	11.77	11.87	13	0
15	64QAM	36	20	11.79	11.78	11.85		
15	64QAM	36	39	11.73	11.85	11.92		
15	64QAM	75	0	11.84	11.77	11.88		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	12.20	11.99	12.02	13	0
10	QPSK	1	25	11.93	12.06	12.13		
10	QPSK	1	49	11.87	12.03	12.05		
10	QPSK	25	0	12.23	12.18	12.20	13	0
10	QPSK	25	12	12.23	11.99	12.19		
10	QPSK	25	25	12.14	12.20	12.19		
10	QPSK	50	0	12.19	12.11	12.21		
10	16QAM	1	0	12.01	12.15	12.02	13	0
10	16QAM	1	25	12.07	12.21	12.17		
10	16QAM	1	49	12.08	12.11	12.19		
10	16QAM	25	0	12.06	11.87	12.09	13	0
10	16QAM	25	12	12.07	11.94	11.98		
10	16QAM	25	25	11.95	11.98	11.98		
10	16QAM	50	0	11.93	11.95	11.90		
10	64QAM	1	0	12.28	12.11	12.05	13	0
10	64QAM	1	25	12.04	12.03	12.09		
10	64QAM	1	49	12.06	12.14	12.27		
10	64QAM	25	0	12.16	11.98	12.01	13	0
10	64QAM	25	12	12.16	11.97	12.01		
10	64QAM	25	25	11.95	12.01	12.04		
10	64QAM	50	0	12.00	12.01	12.01		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	12.25	12.10	12.17	13	0
5	QPSK	1	12	12.25	12.09	12.16		
5	QPSK	1	24	12.14	12.02	12.00		
5	QPSK	12	0	12.02	12.18	12.16	13	0
5	QPSK	12	7	12.27	12.17	12.18		
5	QPSK	12	13	12.15	12.10	12.09		
5	QPSK	25	0	12.19	12.16	12.22		
5	16QAM	1	0	12.26	12.09	12.02	13	0
5	16QAM	1	12	12.22	12.06	12.02		
5	16QAM	1	24	12.08	12.16	12.17		
5	16QAM	12	0	12.09	11.94	12.18	13	0
5	16QAM	12	7	12.02	12.04	12.00		
5	16QAM	12	13	11.96	11.95	11.97		
5	16QAM	25	0	12.04	11.91	12.02		
5	64QAM	1	0	12.28	12.28	12.18	13	0
5	64QAM	1	12	12.22	12.12	12.25		
5	64QAM	1	24	12.17	12.15	12.13		
5	64QAM	12	0	12.23	12.07	12.07	13	0
5	64QAM	12	7	12.16	12.11	12.04		
5	64QAM	12	13	12.02	12.01	11.94		
5	64QAM	25	0	12.02	11.95	11.92		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	12.05	11.89	11.98	13	0
3	QPSK	1	8	12.04	11.94	11.83		
3	QPSK	1	14	11.80	11.84	11.79		
3	QPSK	8	0	12.06	11.98	11.98	13	0
3	QPSK	8	4	12.06	12.02	11.91		
3	QPSK	8	7	11.94	11.92	11.92		
3	QPSK	15	0	12.06	11.91	11.94		
3	16QAM	1	0	12.10	12.26	12.01	13	0
3	16QAM	1	8	12.10	12.28	12.24		
3	16QAM	1	14	12.23	12.20	12.19		
3	16QAM	8	0	12.16	12.00	12.04	13	0
3	16QAM	8	4	12.10	12.03	12.09		
3	16QAM	8	7	12.06	12.00	11.95		
3	16QAM	15	0	12.03	11.97	11.96		
3	64QAM	1	0	12.02	12.15	12.12	13	0
3	64QAM	1	8	12.28	12.17	12.22		
3	64QAM	1	14	12.11	12.19	12.06		
3	64QAM	8	0	12.17	12.01	12.07	13	0
3	64QAM	8	4	12.17	12.07	11.99		
3	64QAM	8	7	12.03	11.94	11.85		
3	64QAM	15	0	12.10	11.90	11.95		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	11.86	11.83	11.72	13	0
1.4	QPSK	1	3	11.92	11.90	11.79		
1.4	QPSK	1	5	11.79	11.76	11.71		
1.4	QPSK	3	0	11.85	11.83	11.81		
1.4	QPSK	3	1	12.00	11.89	11.80		
1.4	QPSK	3	3	11.85	11.74	11.71		
1.4	QPSK	6	0	12.01	11.88	11.86	13	0
1.4	16QAM	1	0	12.25	12.18	12.11	13	0
1.4	16QAM	1	3	12.22	12.25	12.22		
1.4	16QAM	1	5	12.11	12.06	11.94		
1.4	16QAM	3	0	12.01	11.90	11.93		
1.4	16QAM	3	1	12.03	11.90	11.84		
1.4	16QAM	3	3	11.86	11.84	11.77		
1.4	16QAM	6	0	12.10	11.96	11.91	13	0
1.4	64QAM	1	0	12.09	12.06	12.26	13	0
1.4	64QAM	1	3	12.20	12.07	12.12		
1.4	64QAM	1	5	12.05	12.09	12.03		
1.4	64QAM	3	0	12.09	12.02	12.05		
1.4	64QAM	3	1	12.18	12.15	12.10		
1.4	64QAM	3	3	12.06	11.98	11.96		
1.4	64QAM	6	0	11.98	11.89	11.84	13	0

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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	11.08	11.21	11.03	12	0
20	QPSK	1	49	10.97	11.04	11.06		
20	QPSK	1	99	11.05	11.08	10.93		
20	QPSK	50	0	11.06	11.19	11.08	12	0
20	QPSK	50	24	11.19	11.11	11.07		
20	QPSK	50	50	11.17	11.11	11.03		
20	QPSK	100	0	10.97	10.96	10.87		
20	16QAM	1	0	11.01	11.08	10.95	12	0
20	16QAM	1	49	11.09	11.19	10.99		
20	16QAM	1	99	11.17	11.02	11.02		
20	16QAM	50	0	10.90	10.98	10.87	12	0
20	16QAM	50	24	10.97	10.99	10.89		
20	16QAM	50	50	10.99	11.01	10.83		
20	16QAM	100	0	10.96	10.96	10.84		
20	64QAM	1	0	10.87	10.96	10.81	12	0
20	64QAM	1	49	10.91	11.06	10.81		
20	64QAM	1	99	11.02	11.06	10.89		
20	64QAM	50	0	10.88	10.98	10.85	12	0
20	64QAM	50	24	10.97	10.98	10.89		
20	64QAM	50	50	10.97	11.01	10.80		
20	64QAM	100	0	10.98	10.96	10.89		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	10.36	10.46	10.26	12	0
15	QPSK	1	37	10.43	10.52	10.29		
15	QPSK	1	74	10.48	10.55	10.34		
15	QPSK	36	0	10.59	10.62	10.51	12	0
15	QPSK	36	20	10.61	10.68	10.47		
15	QPSK	36	39	10.59	10.67	10.45		
15	QPSK	75	0	10.58	10.61	10.49		
15	16QAM	1	0	10.67	10.73	10.60	12	0
15	16QAM	1	37	10.71	10.80	10.58		
15	16QAM	1	74	10.78	10.87	10.67		
15	16QAM	36	0	10.53	10.60	10.50	12	0
15	16QAM	36	20	10.60	10.65	10.51		
15	16QAM	36	39	10.61	10.61	10.41		
15	16QAM	75	0	10.58	10.63	10.52		
15	64QAM	1	0	10.51	10.64	10.46	12	0
15	64QAM	1	37	10.61	10.72	10.49		
15	64QAM	1	74	10.67	10.74	10.55		
15	64QAM	36	0	10.59	10.59	10.49	12	0
15	64QAM	36	20	10.59	10.65	10.50		
15	64QAM	36	39	10.59	10.65	10.45		
15	64QAM	75	0	10.56	10.62	10.50		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	10.61	10.67	10.52	12	0
10	QPSK	1	25	10.65	10.73	10.53		
10	QPSK	1	49	10.69	10.76	10.61		
10	QPSK	25	0	10.72	10.77	10.63	12	0
10	QPSK	25	12	10.76	10.83	10.65		
10	QPSK	25	25	10.74	10.81	10.66		
10	QPSK	50	0	10.73	10.80	10.64		
10	16QAM	1	0	10.94	11.03	10.81	12	0
10	16QAM	1	25	10.89	11.10	10.81		
10	16QAM	1	49	11.03	11.12	10.93		
10	16QAM	25	0	10.74	10.84	10.60	12	0
10	16QAM	25	12	10.81	10.83	10.63		
10	16QAM	25	25	10.80	10.86	10.64		
10	16QAM	50	0	10.78	10.82	10.63		
10	64QAM	1	0	10.89	10.96	10.75	12	0
10	64QAM	1	25	10.82	10.97	10.67		
10	64QAM	1	49	10.95	11.02	10.79		
10	64QAM	25	0	10.76	10.84	10.61	12	0
10	64QAM	25	12	10.81	10.84	10.69		
10	64QAM	25	25	10.80	10.85	10.65		
10	64QAM	50	0	10.77	10.81	10.60		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	10.58	10.65	10.49	12	0
5	QPSK	1	12	10.62	10.76	10.58		
5	QPSK	1	24	10.67	10.74	10.61		
5	QPSK	12	0	10.68	10.72	10.57	12	0
5	QPSK	12	7	10.72	10.82	10.62		
5	QPSK	12	13	10.75	10.81	10.70		
5	QPSK	25	0	10.70	10.80	10.63		
5	16QAM	1	0	10.97	11.01	10.82	12	0
5	16QAM	1	12	10.96	11.07	10.87		
5	16QAM	1	24	11.04	11.09	10.94		
5	16QAM	12	0	10.71	10.77	10.53	12	0
5	16QAM	12	7	10.77	10.84	10.67		
5	16QAM	12	13	10.78	10.90	10.66		
5	16QAM	25	0	10.73	10.81	10.60		
5	64QAM	1	0	10.89	10.93	10.76	12	0
5	64QAM	1	12	10.87	10.97	10.73		
5	64QAM	1	24	10.94	10.97	10.81		
5	64QAM	12	0	10.70	10.77	10.54	12	0
5	64QAM	12	7	10.76	10.84	10.67		
5	64QAM	12	13	10.77	10.88	10.65		
5	64QAM	25	0	10.72	10.78	10.59		

Band 13(700MHz Band)共用Sensor Part 27F

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					23230			
Frequency (MHz)					782			
10	QPSK	1	0		21.74		23	0
10	QPSK	1	25		21.46			
10	QPSK	1	49		21.53			
10	QPSK	25	0		21.63		23	0
10	QPSK	25	12		21.61			
10	QPSK	25	25		21.63			
10	QPSK	50	0		21.48			
10	16QAM	1	0		21.54		23	0
10	16QAM	1	25		21.52			
10	16QAM	1	49		21.48			
10	16QAM	25	0		21.45		22	1
10	16QAM	25	12		21.44			
10	16QAM	25	25		21.48			
10	16QAM	50	0		21.34			
10	64QAM	1	0		20.56		22	1
10	64QAM	1	25		20.58			
10	64QAM	1	49		20.63			
10	64QAM	25	0		19.67		21	2
10	64QAM	25	12		19.79			
10	64QAM	25	25		19.71			
10	64QAM	50	0		19.46			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	21.36	21.36	21.34	23	0
5	QPSK	1	12	21.26	21.40	21.35		
5	QPSK	1	24	21.36	21.39	21.40		
5	QPSK	12	0	21.43	21.38	21.43	23	0
5	QPSK	12	7	21.45	21.37	21.50		
5	QPSK	12	13	21.41	21.48	21.51		
5	QPSK	25	0	21.61	21.45	21.50		
5	16QAM	1	0	21.56	21.66	21.70	23	0
5	16QAM	1	12	21.54	21.65	21.56		
5	16QAM	1	24	21.62	21.73	21.55		
5	16QAM	12	0	21.41	21.41	21.45	22	1
5	16QAM	12	7	21.56	21.41	21.49		
5	16QAM	12	13	21.43	21.41	21.50		
5	16QAM	25	0	21.59	21.41	21.52		
5	64QAM	1	0	21.43	21.34	21.66	22	1
5	64QAM	1	12	21.32	21.58	21.57		
5	64QAM	1	24	21.57	21.53	21.47		
5	64QAM	12	0	20.45	20.52	20.55	21	2
5	64QAM	12	7	20.09	20.54	20.54		
5	64QAM	12	13	20.46	20.34	20.44		
5	64QAM	25	0	20.32	20.58	20.54		

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	12.21	12.26	12.12	13	0
20	QPSK	1	49	11.99	11.94	12.22		
20	QPSK	1	99	11.92	11.97	12.14		
20	QPSK	50	0	11.96	12.16	12.13	13	0
20	QPSK	50	24	12.02	12.07	12.13		
20	QPSK	50	50	12.01	12.14	12.15		
20	QPSK	100	0	12.02	12.09	12.07		
20	16QAM	1	0	11.98	12.04	12.21	13	0
20	16QAM	1	49	11.96	12.00	12.12		
20	16QAM	1	99	11.97	12.08	12.00		
20	16QAM	50	0	11.80	11.87	11.96	13	0
20	16QAM	50	24	11.89	11.89	12.02		
20	16QAM	50	50	11.87	11.96	12.05		
20	16QAM	100	0	11.87	11.87	11.94		
20	64QAM	1	0	11.93	11.80	11.91	13	0
20	64QAM	1	49	11.92	12.01	12.08		
20	64QAM	1	99	11.88	11.94	11.93		
20	64QAM	50	0	11.89	11.91	12.02	13	0
20	64QAM	50	24	11.95	11.93	12.01		
20	64QAM	50	50	11.84	11.92	11.97		
20	64QAM	100	0	11.77	11.87	12.02		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	11.92	12.05	12.18	13	0
15	QPSK	1	37	12.08	12.05	12.21		
15	QPSK	1	74	12.04	12.05	12.02		
15	QPSK	36	0	12.07	11.91	12.03	13	0
15	QPSK	36	20	12.04	12.06	12.12		
15	QPSK	36	39	11.96	12.00	12.17		
15	QPSK	75	0	12.01	12.10	11.96		
15	16QAM	1	0	12.08	11.91	12.04	13	0
15	16QAM	1	37	12.01	11.88	12.07		
15	16QAM	1	74	11.90	11.99	11.96		
15	16QAM	36	0	11.78	11.74	11.73	13	0
15	16QAM	36	20	11.84	11.89	12.01		
15	16QAM	36	39	11.84	11.84	11.90		
15	16QAM	75	0	11.82	11.94	11.88		
15	64QAM	1	0	11.84	11.92	11.97	13	0
15	64QAM	1	37	11.87	11.99	12.09		
15	64QAM	1	74	11.94	11.99	11.83		
15	64QAM	36	0	11.94	11.83	11.82	13	0
15	64QAM	36	20	11.87	11.95	11.99		
15	64QAM	36	39	11.85	11.87	12.02		
15	64QAM	75	0	11.84	11.94	11.86		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	11.92	12.18	11.94	13	0
10	QPSK	1	25	11.95	12.06	12.04		
10	QPSK	1	49	11.94	12.03	12.01		
10	QPSK	25	0	12.16	12.04	12.13	13	0
10	QPSK	25	12	12.13	12.07	12.16		
10	QPSK	25	25	12.11	12.09	12.02		
10	QPSK	50	0	12.11	12.11	12.02		
10	16QAM	1	0	12.09	11.93	12.16	13	0
10	16QAM	1	25	11.89	12.11	12.17		
10	16QAM	1	49	12.13	12.19	12.24		
10	16QAM	25	0	12.01	11.94	12.04	13	0
10	16QAM	25	12	11.97	11.98	12.07		
10	16QAM	25	25	11.93	12.01	12.05		
10	16QAM	50	0	11.91	11.92	11.85		
10	64QAM	1	0	12.14	11.99	12.01	13	0
10	64QAM	1	25	11.93	12.11	12.14		
10	64QAM	1	49	11.96	12.07	12.19		
10	64QAM	25	0	12.02	11.90	12.02	13	0
10	64QAM	25	12	12.08	12.04	12.08		
10	64QAM	25	25	11.94	11.95	12.12		
10	64QAM	50	0	11.94	12.06	11.98		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	12.07	12.07	12.16	13	0
5	QPSK	1	12	12.01	11.95	12.13		
5	QPSK	1	24	12.10	12.09	12.08		
5	QPSK	12	0	12.16	12.20	12.02	13	0
5	QPSK	12	7	12.20	12.15	12.01		
5	QPSK	12	13	12.08	12.13	12.25		
5	QPSK	25	0	12.12	12.21	12.22		
5	16QAM	1	0	12.24	12.12	12.02	13	0
5	16QAM	1	12	12.02	12.15	12.25		
5	16QAM	1	24	12.25	12.24	12.01		
5	16QAM	12	0	11.96	12.02	12.01	13	0
5	16QAM	12	7	11.92	11.98	12.02		
5	16QAM	12	13	11.99	11.97	12.02		
5	16QAM	25	0	11.93	11.96	12.02		
5	64QAM	1	0	12.24	12.20	12.07	13	0
5	64QAM	1	12	12.04	12.24	12.07		
5	64QAM	1	24	12.15	12.17	12.25		
5	64QAM	12	0	12.05	12.01	12.12	13	0
5	64QAM	12	7	12.00	12.06	12.11		
5	64QAM	12	13	12.01	12.02	12.13		
5	64QAM	25	0	11.96	11.97	12.00		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	12.01	12.03	12.16	13	0
3	QPSK	1	8	12.09	12.16	12.17		
3	QPSK	1	14	12.05	12.09	12.14		
3	QPSK	8	0	12.14	12.11	12.23	13	0
3	QPSK	8	4	12.11	12.16	12.21		
3	QPSK	8	7	12.13	12.12	12.19		
3	QPSK	15	0	12.18	12.14	12.02		
3	16QAM	1	0	12.25	12.13	12.25	13	0
3	16QAM	1	8	12.02	12.09	12.02		
3	16QAM	1	14	12.19	12.20	12.02		
3	16QAM	8	0	11.97	11.99	12.01	13	0
3	16QAM	8	4	11.95	12.04	12.13		
3	16QAM	8	7	11.97	12.00	12.10		
3	16QAM	15	0	11.95	11.96	12.01		
3	64QAM	1	0	12.19	12.04	12.22	13	0
3	64QAM	1	8	12.11	12.04	12.02		
3	64QAM	1	14	12.15	12.18	12.14		
3	64QAM	8	0	12.00	12.02	12.03	13	0
3	64QAM	8	4	11.95	12.05	12.19		
3	64QAM	8	7	11.98	12.03	12.01		
3	64QAM	15	0	11.91	11.96	12.05		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	12.01	11.99	11.97	13	0
1.4	QPSK	1	3	11.93	11.97	12.06		
1.4	QPSK	1	5	11.90	11.91	12.05		
1.4	QPSK	3	0	11.93	11.91	11.98		
1.4	QPSK	3	1	11.88	11.96	12.05		
1.4	QPSK	3	3	11.89	11.91	11.99		
1.4	QPSK	6	0	12.00	11.97	12.07	13	0
1.4	16QAM	1	0	12.13	12.09	12.16	13	0
1.4	16QAM	1	3	12.20	12.23	12.20		
1.4	16QAM	1	5	12.07	12.05	11.96		
1.4	16QAM	3	0	11.75	11.76	11.92		
1.4	16QAM	3	1	11.84	11.82	11.98		
1.4	16QAM	3	3	11.78	11.88	11.85		
1.4	16QAM	6	0	11.89	11.95	12.00	13	0
1.4	64QAM	1	0	11.96	12.03	11.99	13	0
1.4	64QAM	1	3	12.11	12.08	12.07		
1.4	64QAM	1	5	12.02	12.02	12.08		
1.4	64QAM	3	0	11.82	11.89	11.96		
1.4	64QAM	3	1	11.98	12.02	12.10		
1.4	64QAM	3	3	11.86	11.90	12.02		
1.4	64QAM	6	0	11.84	11.84	11.90	10	3

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		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	11.67	11.80	11.78	13	0
20	QPSK	1	49	11.56	11.65	11.72		
20	QPSK	1	99	11.62	11.62	11.69		
20	QPSK	50	0	11.40	11.63	11.54	13	0
20	QPSK	50	24	11.51	11.62	11.60		
20	QPSK	50	50	11.55	11.57	11.61		
20	QPSK	100	0	11.47	11.62	11.60		
20	16QAM	1	0	11.49	11.50	11.67	13	0
20	16QAM	1	49	11.56	11.51	11.74		
20	16QAM	1	99	11.52	11.62	11.63		
20	16QAM	50	0	11.19	11.34	11.47	13	0
20	16QAM	50	24	11.41	11.41	11.44		
20	16QAM	50	50	11.28	11.37	11.44		
20	16QAM	100	0	11.32	11.41	11.45		
20	64QAM	1	0	11.29	11.44	11.49	13	0
20	64QAM	1	49	11.38	11.63	11.58		
20	64QAM	1	99	11.50	11.60	11.54		
20	64QAM	50	0	11.27	11.35	11.43	13	0
20	64QAM	50	24	11.42	11.43	11.40		
20	64QAM	50	50	11.41	11.40	11.45		
20	64QAM	100	0	11.36	11.44	11.34		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	11.35	11.40	11.54	13	0
15	QPSK	1	37	11.39	11.43	11.67		
15	QPSK	1	74	11.41	11.51	11.56		
15	QPSK	36	0	11.47	11.59	11.57	13	0
15	QPSK	36	20	11.51	11.62	11.64		
15	QPSK	36	39	11.47	11.60	11.64		
15	QPSK	75	0	11.51	11.58	11.56		
15	16QAM	1	0	11.52	11.51	11.69	13	0
15	16QAM	1	37	11.52	11.55	11.53		
15	16QAM	1	74	11.39	11.57	11.60		
15	16QAM	36	0	11.30	11.36	11.45	13	0
15	16QAM	36	20	11.35	11.40	11.38		
15	16QAM	36	39	11.32	11.30	11.49		
15	16QAM	75	0	11.29	11.49	11.40		
15	64QAM	1	0	11.42	11.43	11.65	13	0
15	64QAM	1	37	11.60	11.51	11.65		
15	64QAM	1	74	11.46	11.52	11.76		
15	64QAM	36	0	11.32	11.42	11.43	13	0
15	64QAM	36	20	11.36	11.43	11.40		
15	64QAM	36	39	11.29	11.46	11.54		
15	64QAM	75	0	11.40	11.39	11.37		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	11.69	11.51	11.51	13	0
10	QPSK	1	25	11.51	11.55	11.59		
10	QPSK	1	49	11.47	11.71	11.64		
10	QPSK	25	0	11.64	11.64	11.77	13	0
10	QPSK	25	12	11.65	11.76	11.65		
10	QPSK	25	25	11.63	11.79	11.43		
10	QPSK	50	0	11.63	11.76	11.70		
10	16QAM	1	0	11.67	11.48	11.54	13	0
10	16QAM	1	25	11.54	11.79	11.66		
10	16QAM	1	49	11.54	11.64	11.61		
10	16QAM	25	0	11.55	11.46	11.57	13	0
10	16QAM	25	12	11.53	11.67	11.62		
10	16QAM	25	25	11.50	11.51	11.59		
10	16QAM	50	0	11.50	11.46	11.54		
10	64QAM	1	0	11.70	11.73	11.73	13	0
10	64QAM	1	25	11.51	11.45	11.75		
10	64QAM	1	49	11.65	11.62	11.54		
10	64QAM	25	0	11.53	11.61	11.64	13	0
10	64QAM	25	12	11.57	11.57	11.57		
10	64QAM	25	25	11.50	11.62	11.67		
10	64QAM	50	0	11.55	11.65	11.51		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	11.61	11.54	11.73	13	0
5	QPSK	1	12	11.60	11.63	11.69		
5	QPSK	1	24	11.51	11.63	11.67		
5	QPSK	12	0	11.70	11.63	11.78	13	0
5	QPSK	12	7	11.69	11.78	11.75		
5	QPSK	12	13	11.60	11.72	11.43		
5	QPSK	25	0	11.60	11.72	11.77		
5	16QAM	1	0	11.70	11.62	11.55	13	0
5	16QAM	1	12	11.61	11.53	11.65		
5	16QAM	1	24	11.62	11.54	11.45		
5	16QAM	12	0	11.48	11.56	11.54	13	0
5	16QAM	12	7	11.48	11.58	11.62		
5	16QAM	12	13	11.47	11.61	11.58		
5	16QAM	25	0	11.46	11.59	11.55		
5	64QAM	1	0	11.74	11.69	11.79	13	0
5	64QAM	1	12	11.58	11.64	11.54		
5	64QAM	1	24	11.70	11.55	11.53		
5	64QAM	12	0	11.60	11.57	11.64	13	0
5	64QAM	12	7	11.59	11.61	11.62		
5	64QAM	12	13	11.49	11.68	11.64		
5	64QAM	25	0	11.54	11.62	11.59		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	11.53	11.55	11.67	13	0
3	QPSK	1	8	11.78	11.67	11.71		
3	QPSK	1	14	11.70	11.64	11.59		
3	QPSK	8	0	11.62	11.64	11.78	13	0
3	QPSK	8	4	11.77	11.75	11.74		
3	QPSK	8	7	11.69	11.69	11.43		
3	QPSK	15	0	11.75	11.67	11.73		
3	16QAM	1	0	11.55	11.73	11.74	13	0
3	16QAM	1	8	11.54	11.44	11.64		
3	16QAM	1	14	11.76	11.56	11.78		
3	16QAM	8	0	11.52	11.47	11.61	13	0
3	16QAM	8	4	11.67	11.62	11.67		
3	16QAM	8	7	11.58	11.55	11.61		
3	16QAM	15	0	11.60	11.47	11.63		
3	64QAM	1	0	11.68	11.64	11.78	13	0
3	64QAM	1	8	11.54	11.45	11.43		
3	64QAM	1	14	11.54	11.43	11.64		
3	64QAM	8	0	11.57	11.57	11.49	13	0
3	64QAM	8	4	11.63	11.58	11.54		
3	64QAM	8	7	11.68	11.64	11.52		
3	64QAM	15	0	11.60	11.57	11.41		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	11.35	11.33	11.33	13	0
1.4	QPSK	1	3	11.37	11.37	11.42		
1.4	QPSK	1	5	11.30	11.30	11.33		
1.4	QPSK	3	0	11.33	11.32	11.34		
1.4	QPSK	3	1	11.28	11.38	11.35		
1.4	QPSK	3	3	11.27	11.36	11.34		
1.4	QPSK	6	0	11.40	11.48	11.47	13	0
1.4	16QAM	1	0	11.76	11.63	11.72	13	0
1.4	16QAM	1	3	11.74	11.77	11.64		
1.4	16QAM	1	5	11.63	11.67	11.76		
1.4	16QAM	3	0	11.38	11.46	11.48		
1.4	16QAM	3	1	11.38	11.52	11.55		
1.4	16QAM	3	3	11.46	11.53	11.49		
1.4	16QAM	6	0	11.48	11.59	11.50	13	0
1.4	64QAM	1	0	11.66	11.72	11.66	13	0
1.4	64QAM	1	3	11.64	11.75	11.70		
1.4	64QAM	1	5	11.62	11.72	11.74		
1.4	64QAM	3	0	11.56	11.59	11.63		
1.4	64QAM	3	1	11.66	11.63	11.66		
1.4	64QAM	3	3	11.50	11.64	11.68		
1.4	64QAM	6	0	11.46	11.45	11.51	13	0

FCC-FD-LTE_ENDC Handheld Ant1

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	17.16	17.28	17.21	18.5	0
20	QPSK	1	49	17.08	17.13	17.24		
20	QPSK	1	99	17.05	17.12	17.08		
20	QPSK	50	0	17.02	17.19	17.17	18.5	0
20	QPSK	50	24	17.05	17.01	17.18		
20	QPSK	50	50	17.04	17.03	17.12		
20	QPSK	100	0	17.06	17.18	17.16		
20	16QAM	1	0	17.05	17.00	17.17	18.5	0
20	16QAM	1	49	16.84	16.99	17.20		
20	16QAM	1	99	16.86	17.03	17.09		
20	16QAM	50	0	16.78	16.80	16.89	18.5	0
20	16QAM	50	24	16.95	16.78	17.08		
20	16QAM	50	50	16.68	16.88	16.99		
20	16QAM	100	0	16.77	16.93	16.91		
20	64QAM	1	0	17.06	16.90	16.96	18.5	0
20	64QAM	1	49	16.92	16.96	17.13		
20	64QAM	1	99	16.77	17.01	16.89		
20	64QAM	50	0	16.85	16.82	16.93	18.5	0
20	64QAM	50	24	16.89	16.86	17.08		
20	64QAM	50	50	16.79	16.90	17.02		
20	64QAM	100	0	16.91	16.87	16.96		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	17.03	17.14	17.15	18.5	0
15	QPSK	1	37	16.73	16.99	17.09		
15	QPSK	1	74	16.88	16.90	17.05		
15	QPSK	36	0	17.07	16.84	17.23	18.5	0
15	QPSK	36	20	16.99	16.98	17.07		
15	QPSK	36	39	16.99	17.04	17.08		
15	QPSK	75	0	17.02	17.08	17.15		
15	16QAM	1	0	17.16	16.88	16.93	18.5	0
15	16QAM	1	37	17.02	16.95	16.88		
15	16QAM	1	74	16.81	17.03	17.11		
15	16QAM	36	0	16.88	17.12	17.09	18.5	0
15	16QAM	36	20	16.90	16.89	17.09		
15	16QAM	36	39	16.82	16.90	16.91		
15	16QAM	75	0	16.92	16.91	17.03		
15	64QAM	1	0	17.03	16.93	16.90	18.5	0
15	64QAM	1	37	16.89	16.94	16.98		
15	64QAM	1	74	16.96	16.90	17.03		
15	64QAM	36	0	16.85	16.97	17.06	18.5	0
15	64QAM	36	20	16.96	16.81	16.97		
15	64QAM	36	39	16.75	16.94	17.00		
15	64QAM	75	0	16.98	17.20	17.12		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	17.07	17.09	17.26	18.5	0
10	QPSK	1	25	17.12	17.05	17.14		
10	QPSK	1	49	17.05	17.18	16.98		
10	QPSK	25	0	17.03	17.12	17.25	18.5	0
10	QPSK	25	12	17.02	17.14	17.18		
10	QPSK	25	25	17.22	17.23	17.17		
10	QPSK	50	0	17.19	17.19	17.21		
10	16QAM	1	0	17.02	17.19	17.12	18.5	0
10	16QAM	1	25	16.90	16.89	17.13		
10	16QAM	1	49	17.25	17.13	17.24		
10	16QAM	25	0	17.15	17.09	17.12	18.5	0
10	16QAM	25	12	17.02	16.96	17.05		
10	16QAM	25	25	16.98	17.02	17.12		
10	16QAM	50	0	17.02	17.07	17.06		
10	64QAM	1	0	17.23	17.04	17.11	18.5	0
10	64QAM	1	25	17.17	17.11	17.06		
10	64QAM	1	49	17.20	17.16	17.20		
10	64QAM	25	0	17.11	17.07	17.19	18.5	0
10	64QAM	25	12	17.17	17.05	17.13		
10	64QAM	25	25	17.00	17.06	17.11		
10	64QAM	50	0	17.06	17.10	17.15		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	17.26	17.02	17.23	18.5	0
5	QPSK	1	12	17.12	17.08	17.19		
5	QPSK	1	24	17.09	17.05	17.04		
5	QPSK	12	0	17.14	17.02	17.12	18.5	0
5	QPSK	12	7	17.04	17.08	17.12		
5	QPSK	12	13	17.02	16.93	16.96		
5	QPSK	25	0	17.09	16.99	17.06		
5	16QAM	1	0	17.10	17.16	17.11	18.5	0
5	16QAM	1	12	17.23	17.15	17.12		
5	16QAM	1	24	17.05	17.20	17.15		
5	16QAM	12	0	17.18	17.04	17.14	18.5	0
5	16QAM	12	7	17.15	17.10	17.16		
5	16QAM	12	13	17.00	17.00	17.04		
5	16QAM	25	0	17.05	17.02	17.06		
5	64QAM	1	0	17.02	17.27	17.02	18.5	0
5	64QAM	1	12	17.19	17.05	17.27		
5	64QAM	1	24	17.11	17.21	17.21		
5	64QAM	12	0	17.23	17.03	17.17	18.5	0
5	64QAM	12	7	17.11	17.11	17.12		
5	64QAM	12	13	17.10	17.05	17.09		
5	64QAM	25	0	17.12	17.11	17.06		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	17.02	17.18	17.19	18.5	0
3	QPSK	1	8	17.23	17.19	17.16		
3	QPSK	1	14	17.02	17.07	17.05		
3	QPSK	8	0	17.06	16.97	17.05	18.5	0
3	QPSK	8	4	17.07	16.95	17.05		
3	QPSK	8	7	16.99	16.93	16.92		
3	QPSK	15	0	17.10	17.05	17.05		
3	16QAM	1	0	17.10	17.27	17.09	18.5	0
3	16QAM	1	8	17.10	17.11	17.26		
3	16QAM	1	14	17.11	17.16	17.26		
3	16QAM	8	0	17.22	17.03	17.09	18.5	0
3	16QAM	8	4	17.18	17.03	17.14		
3	16QAM	8	7	17.07	17.04	17.08		
3	16QAM	15	0	17.07	17.02	17.03		
3	64QAM	1	0	17.09	17.18	17.27	18.5	0
3	64QAM	1	8	17.11	17.24	17.18		
3	64QAM	1	14	17.15	17.15	17.17		
3	64QAM	8	0	17.26	17.02	17.10	18.5	0
3	64QAM	8	4	17.19	17.08	17.11		
3	64QAM	8	7	17.10	17.00	16.97		
3	64QAM	15	0	17.15	17.05	17.05		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	17.01	16.88	16.89	18.5	0
1.4	QPSK	1	3	17.05	16.96	16.91		
1.4	QPSK	1	5	16.91	16.79	16.71		
1.4	QPSK	3	0	17.01	16.86	16.87		
1.4	QPSK	3	1	16.99	16.83	16.89		
1.4	QPSK	3	3	16.94	16.83	16.83		
1.4	QPSK	6	0	17.11	16.93	17.01	18.5	0
1.4	16QAM	1	0	17.05	16.91	17.01	18.5	0
1.4	16QAM	1	3	17.16	16.94	17.08		
1.4	16QAM	1	5	17.09	16.97	17.09		
1.4	16QAM	3	0	16.95	16.77	16.83		
1.4	16QAM	3	1	16.84	16.83	16.82		
1.4	16QAM	3	3	16.79	16.76	16.66		
1.4	16QAM	6	0	16.93	16.92	16.81	18.5	0
1.4	64QAM	1	0	17.10	17.01	16.96	18.5	0
1.4	64QAM	1	3	17.19	17.02	17.12		
1.4	64QAM	1	5	16.97	16.84	16.84		
1.4	64QAM	3	0	17.04	16.94	17.00		
1.4	64QAM	3	1	16.99	17.04	16.91		
1.4	64QAM	3	3	16.97	16.87	16.89		
1.4	64QAM	6	0	16.87	16.81	16.79	18.5	0

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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.34	17.67	17.30	18.5	0
20	QPSK	1	49	17.34	17.47	17.29		
20	QPSK	1	99	17.47	17.48	17.44		
20	QPSK	50	0	17.48	17.55	17.42	18.5	0
20	QPSK	50	24	17.49	17.54	17.47		
20	QPSK	50	50	17.50	17.53	17.48		
20	QPSK	100	0	17.47	17.45	17.41		
20	16QAM	1	0	17.47	17.46	17.44	18.5	0
20	16QAM	1	49	17.46	17.49	17.44		
20	16QAM	1	99	17.55	17.56	17.47		
20	16QAM	50	0	17.48	17.48	17.45	18.5	0
20	16QAM	50	24	17.50	17.54	17.47		
20	16QAM	50	50	17.50	17.52	17.44		
20	16QAM	100	0	17.46	17.49	17.44		
20	64QAM	1	0	17.55	17.56	17.47	18.5	0
20	64QAM	1	49	17.45	17.47	17.42		
20	64QAM	1	99	17.44	17.46	17.45		
20	64QAM	50	0	17.47	17.46	17.44	18.5	0
20	64QAM	50	24	17.48	17.49	17.47		
20	64QAM	50	50	17.48	17.50	17.46		
20	64QAM	100	0	17.46	17.46	17.44		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	17.35	17.45	17.33	18.5	0
15	QPSK	1	37	17.40	17.50	17.38		
15	QPSK	1	74	17.44	17.46	17.45		
15	QPSK	36	0	17.42	17.48	17.37	18.5	0
15	QPSK	36	20	17.50	17.49	17.48		
15	QPSK	36	39	17.48	17.56	17.48		
15	QPSK	75	0	17.45	17.47	17.42		
15	16QAM	1	0	17.44	17.46	17.45	18.5	0
15	16QAM	1	37	17.42	17.48	17.37		
15	16QAM	1	74	17.40	17.50	17.38		
15	16QAM	36	0	17.41	17.48	17.36	18.5	0
15	16QAM	36	20	17.50	17.51	17.44		
15	16QAM	36	39	17.52	17.54	17.47		
15	16QAM	75	0	17.47	17.50	17.44		
15	64QAM	1	0	16.93	16.98	16.91	18.5	0
15	64QAM	1	37	16.94	16.97	16.92		
15	64QAM	1	74	16.91	16.89	16.85		
15	64QAM	36	0	17.44	17.49	17.37	18.5	0
15	64QAM	36	20	17.51	17.52	17.46		
15	64QAM	36	39	17.53	17.55	17.48		
15	64QAM	75	0	17.47	17.45	17.42		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	17.14	17.17	17.10	18.5	0
10	QPSK	1	25	17.14	17.27	17.09		
10	QPSK	1	49	17.27	17.28	17.24		
10	QPSK	25	0	17.28	17.30	17.22	18.5	0
10	QPSK	25	12	17.29	17.34	17.27		
10	QPSK	25	25	17.30	17.33	17.28		
10	QPSK	50	0	17.27	17.25	17.21		
10	16QAM	1	0	17.43	17.46	17.38	18.5	0
10	16QAM	1	25	17.46	17.50	17.37		
10	16QAM	1	49	17.52	17.59	17.47		
10	16QAM	25	0	17.28	17.28	17.25	18.5	0
10	16QAM	25	12	17.30	17.34	17.27		
10	16QAM	25	25	17.30	17.32	17.24		
10	16QAM	50	0	17.26	17.29	17.24		
10	64QAM	1	0	17.35	17.36	17.27	18.5	0
10	64QAM	1	25	17.33	17.47	17.32		
10	64QAM	1	49	17.41	17.50	17.40		
10	64QAM	25	0	17.27	17.26	17.24	18.5	0
10	64QAM	25	12	17.28	17.29	17.27		
10	64QAM	25	25	17.28	17.30	17.26		
10	64QAM	50	0	17.26	17.26	17.24		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	17.15	17.25	17.13	18.5	0
5	QPSK	1	12	17.20	17.30	17.18		
5	QPSK	1	24	17.24	17.26	17.25		
5	QPSK	12	0	17.22	17.28	17.17	18.5	0
5	QPSK	12	7	17.30	17.29	17.28		
5	QPSK	12	13	17.28	17.36	17.28		
5	QPSK	25	0	17.25	17.27	17.22		
5	16QAM	1	0	17.47	17.52	17.41	18.5	0
5	16QAM	1	12	17.45	17.54	17.39		
5	16QAM	1	24	17.53	17.53	17.50		
5	16QAM	12	0	17.21	17.28	17.16	18.5	0
5	16QAM	12	7	17.30	17.31	17.24		
5	16QAM	12	13	17.32	17.34	17.27		
5	16QAM	25	0	17.27	17.30	17.24		
5	64QAM	1	0	17.36	17.51	17.32	18.5	0
5	64QAM	1	12	17.36	17.46	17.34		
5	64QAM	1	24	17.46	17.45	17.39		
5	64QAM	12	0	17.24	17.29	17.17	18.5	0
5	64QAM	12	7	17.31	17.32	17.26		
5	64QAM	12	13	17.33	17.35	17.28		
5	64QAM	25	0	17.27	17.25	17.22		

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	17.24	17.38	17.12	18.5	0
20	QPSK	1	49	17.20	17.04	17.08		
20	QPSK	1	99	17.21	17.00	17.20		
20	QPSK	50	0	17.03	17.24	17.11	18.5	0
20	QPSK	50	24	17.01	17.02	17.15		
20	QPSK	50	50	16.99	17.06	17.23		
20	QPSK	100	0	17.04	17.19	17.17		
20	16QAM	1	0	17.16	17.09	17.31	18.5	0
20	16QAM	1	49	17.13	17.08	17.26		
20	16QAM	1	99	17.02	17.11	17.16		
20	16QAM	50	0	17.00	17.01	17.04	18.5	0
20	16QAM	50	24	16.98	17.07	17.17		
20	16QAM	50	50	17.00	17.11	17.20		
20	16QAM	100	0	16.98	16.93	17.03		
20	64QAM	1	0	17.03	17.04	17.08	18.5	0
20	64QAM	1	49	17.01	17.15	17.13		
20	64QAM	1	99	17.03	17.08	17.22		
20	64QAM	50	0	16.98	17.12	17.12	18.5	0
20	64QAM	50	24	16.99	17.07	17.18		
20	64QAM	50	50	17.09	17.00	17.12		
20	64QAM	100	0	17.07	17.06	17.08		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	17.26	17.19	17.21	18.5	0
15	QPSK	1	37	17.09	17.22	17.21		
15	QPSK	1	74	17.15	17.15	17.16		
15	QPSK	36	0	17.09	17.07	17.16	18.5	0
15	QPSK	36	20	17.16	17.20	17.21		
15	QPSK	36	39	17.07	17.14	17.25		
15	QPSK	75	0	17.13	17.10	17.16		
15	16QAM	1	0	17.22	17.19	17.14	18.5	0
15	16QAM	1	37	17.08	17.10	17.23		
15	16QAM	1	74	17.30	17.23	17.36		
15	16QAM	36	0	17.08	17.04	17.19	18.5	0
15	16QAM	36	20	17.13	17.07	17.16		
15	16QAM	36	39	17.05	17.08	17.19		
15	16QAM	75	0	17.10	17.12	17.05		
15	64QAM	1	0	17.13	17.09	17.26	18.5	0
15	64QAM	1	37	17.09	17.15	17.12		
15	64QAM	1	74	17.15	17.07	17.26		
15	64QAM	36	0	17.21	17.08	17.13	18.5	0
15	64QAM	36	20	17.08	17.21	17.28		
15	64QAM	36	39	17.11	17.21	17.18		
15	64QAM	75	0	17.09	17.13	17.25		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	17.27	17.21	17.13	18.5	0
10	QPSK	1	25	17.21	17.16	17.18		
10	QPSK	1	49	17.04	17.06	17.14		
10	QPSK	25	0	17.12	17.12	17.19	18.5	0
10	QPSK	25	12	17.15	17.14	17.13		
10	QPSK	25	25	17.08	17.13	17.29		
10	QPSK	50	0	17.11	17.07	17.09		
10	16QAM	1	0	17.16	17.29	17.31	18.5	0
10	16QAM	1	25	17.16	17.25	17.15		
10	16QAM	1	49	17.05	17.15	17.30		
10	16QAM	25	0	17.16	17.20	17.21	18.5	0
10	16QAM	25	12	17.24	17.18	17.29		
10	16QAM	25	25	17.10	17.17	17.24		
10	16QAM	50	0	17.12	17.13	17.16		
10	64QAM	1	0	17.23	17.13	17.32	18.5	0
10	64QAM	1	25	17.20	17.23	17.10		
10	64QAM	1	49	17.20	17.28	17.31		
10	64QAM	25	0	17.21	17.20	17.12	18.5	0
10	64QAM	25	12	17.17	17.21	17.27		
10	64QAM	25	25	17.13	17.19	17.25		
10	64QAM	50	0	17.14	17.18	17.33		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	17.25	17.27	17.33	18.5	0
5	QPSK	1	12	17.12	17.18	17.28		
5	QPSK	1	24	17.35	17.28	17.29		
5	QPSK	12	0	17.12	17.13	17.29	18.5	0
5	QPSK	12	7	17.15	17.17	17.21		
5	QPSK	12	13	17.11	17.14	17.25		
5	QPSK	25	0	17.14	17.13	17.24		
5	16QAM	1	0	17.28	17.36	17.02	18.5	0
5	16QAM	1	12	17.33	17.28	17.32		
5	16QAM	1	24	17.02	17.36	17.31		
5	16QAM	12	0	17.09	17.19	17.23	18.5	0
5	16QAM	12	7	17.14	17.15	17.25		
5	16QAM	12	13	17.13	17.11	17.23		
5	16QAM	25	0	17.17	17.09	17.20		
5	64QAM	1	0	17.29	17.24	17.09	18.5	0
5	64QAM	1	12	17.27	17.37	17.01		
5	64QAM	1	24	17.02	17.01	17.03		
5	64QAM	12	0	17.21	17.26	17.24	18.5	0
5	64QAM	12	7	17.22	17.21	17.32		
5	64QAM	12	13	17.18	17.14	17.30		
5	64QAM	25	0	17.10	17.21	17.23		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	17.12	17.16	17.31	18.5	0
3	QPSK	1	8	17.24	17.27	17.32		
3	QPSK	1	14	17.26	17.25	17.10		
3	QPSK	8	0	17.02	17.11	17.25	18.5	0
3	QPSK	8	4	17.09	17.12	17.27		
3	QPSK	8	7	17.04	17.08	17.17		
3	QPSK	15	0	17.12	17.10	17.22		
3	16QAM	1	0	17.34	17.19	17.33	18.5	0
3	16QAM	1	8	17.02	17.02	17.09		
3	16QAM	1	14	17.29	17.22	17.00		
3	16QAM	8	0	17.07	17.20	17.33	18.5	0
3	16QAM	8	4	17.20	17.11	17.37		
3	16QAM	8	7	17.16	17.20	17.26		
3	16QAM	15	0	17.16	17.17	17.21		
3	64QAM	1	0	17.09	17.15	17.02	18.5	0
3	64QAM	1	8	17.10	17.02	17.12		
3	64QAM	1	14	17.02	17.32	17.02		
3	64QAM	8	0	17.16	17.20	17.29	18.5	0
3	64QAM	8	4	17.25	17.23	17.25		
3	64QAM	8	7	17.17	17.20	17.28		
3	64QAM	15	0	17.18	17.19	17.26		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	17.03	17.09	17.08	18.5	0
1.4	QPSK	1	3	17.05	17.11	17.21		
1.4	QPSK	1	5	17.08	17.08	17.11		
1.4	QPSK	3	0	17.09	17.06	17.06		
1.4	QPSK	3	1	17.10	17.10	17.02		
1.4	QPSK	3	3	17.06	17.08	16.97		
1.4	QPSK	6	0	17.20	17.11	17.06	18.5	0
1.4	16QAM	1	0	17.18	17.17	17.04	18.5	0
1.4	16QAM	1	3	17.26	17.20	17.18		
1.4	16QAM	1	5	17.08	17.05	17.09		
1.4	16QAM	3	0	17.04	16.92	16.93		
1.4	16QAM	3	1	17.09	17.05	16.95		
1.4	16QAM	3	3	17.00	16.85	16.89		
1.4	16QAM	6	0	16.99	17.05	16.94	18.5	0
1.4	64QAM	1	0	17.23	17.12	17.13	18.5	0
1.4	64QAM	1	3	17.27	17.24	17.16		
1.4	64QAM	1	5	17.15	17.25	17.07		
1.4	64QAM	3	0	17.10	17.11	17.07		
1.4	64QAM	3	1	17.14	17.16	17.19		
1.4	64QAM	3	3	17.08	17.12	17.02		
1.4	64QAM	6	0	16.98	16.90	16.90	15.5	3

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		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	15.93	16.00	15.87	17.5	0
20	QPSK	1	49	15.77	15.88	15.86		
20	QPSK	1	99	15.73	15.80	15.81		
20	QPSK	50	0	15.66	15.74	15.69	17.5	0
20	QPSK	50	24	15.70	15.72	15.60		
20	QPSK	50	50	15.62	15.70	15.69		
20	QPSK	100	0	15.67	15.72	15.70		
20	16QAM	1	0	15.76	15.82	15.92	17.5	0
20	16QAM	1	49	15.51	15.67	15.71		
20	16QAM	1	99	15.73	15.82	15.77		
20	16QAM	50	0	15.59	15.60	15.61	17.5	0
20	16QAM	50	24	15.77	15.69	15.63		
20	16QAM	50	50	15.60	15.63	15.67		
20	16QAM	100	0	15.88	15.69	15.97		
20	64QAM	1	0	15.92	15.63	15.80	17.5	0
20	64QAM	1	49	15.94	15.65	15.67		
20	64QAM	1	99	15.64	15.69	15.65		
20	64QAM	50	0	15.77	15.61	15.57	17.5	0
20	64QAM	50	24	15.60	15.67	15.67		
20	64QAM	50	50	15.76	15.60	15.69		
20	64QAM	100	0	15.57	15.59	15.70		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	15.55	15.63	15.88	17.5	0
15	QPSK	1	37	15.56	15.73	15.59		
15	QPSK	1	74	15.57	15.78	15.87		
15	QPSK	36	0	15.66	15.58	15.79	17.5	0
15	QPSK	36	20	15.55	15.70	15.69		
15	QPSK	36	39	15.58	15.65	15.62		
15	QPSK	75	0	15.66	15.62	15.66		
15	16QAM	1	0	15.85	15.80	15.94	17.5	0
15	16QAM	1	37	15.53	15.85	15.89		
15	16QAM	1	74	15.74	15.89	15.95		
15	16QAM	36	0	15.56	15.58	15.58	17.5	0
15	16QAM	36	20	15.67	15.73	15.71		
15	16QAM	36	39	15.61	15.67	15.67		
15	16QAM	75	0	15.65	15.65	15.66		
15	64QAM	1	0	15.70	15.73	15.80	17.5	0
15	64QAM	1	37	15.74	15.74	15.99		
15	64QAM	1	74	15.69	15.81	15.81		
15	64QAM	36	0	15.65	15.66	15.71	17.5	0
15	64QAM	36	20	15.55	15.77	15.79		
15	64QAM	36	39	15.63	15.65	15.73		
15	64QAM	75	0	15.57	15.70	15.70		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	15.68	15.78	15.89	17.5	0
10	QPSK	1	25	15.82	15.76	15.97		
10	QPSK	1	49	15.65	15.78	16.00		
10	QPSK	25	0	15.66	15.71	15.76	17.5	0
10	QPSK	25	12	15.56	15.79	15.67		
10	QPSK	25	25	15.63	15.75	15.78		
10	QPSK	50	0	15.66	15.66	15.57		
10	16QAM	1	0	15.86	15.91	15.65	17.5	0
10	16QAM	1	25	15.86	15.72	15.91		
10	16QAM	1	49	15.83	15.90	15.94		
10	16QAM	25	0	15.68	15.50	15.72	17.5	0
10	16QAM	25	12	15.57	15.70	15.70		
10	16QAM	25	25	15.55	15.70	15.67		
10	16QAM	50	0	15.55	15.54	15.62		
10	64QAM	1	0	15.62	15.64	15.92	17.5	0
10	64QAM	1	25	15.58	15.59	15.73		
10	64QAM	1	49	15.57	15.58	15.82		
10	64QAM	25	0	15.57	15.60	15.70	17.5	0
10	64QAM	25	12	15.63	15.67	15.72		
10	64QAM	25	25	15.57	15.69	15.75		
10	64QAM	50	0	15.64	15.64	15.64		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	15.73	15.71	15.74	17.5	0
5	QPSK	1	12	15.72	15.75	15.76		
5	QPSK	1	24	15.72	15.72	15.72		
5	QPSK	12	0	15.79	15.71	15.84	17.5	0
5	QPSK	12	7	15.80	15.87	15.84		
5	QPSK	12	13	15.72	15.77	15.88		
5	QPSK	25	0	15.73	15.76	15.83		
5	16QAM	1	0	15.69	15.87	15.91	17.5	0
5	16QAM	1	12	15.87	15.92	15.80		
5	16QAM	1	24	15.93	15.83	15.67		
5	16QAM	12	0	15.60	15.65	15.64	17.5	0
5	16QAM	12	7	15.68	15.61	15.66		
5	16QAM	12	13	15.56	15.67	15.66		
5	16QAM	25	0	15.56	15.59	15.63		
5	64QAM	1	0	15.89	15.70	15.90	17.5	0
5	64QAM	1	12	15.86	15.71	15.80		
5	64QAM	1	24	15.75	15.86	15.79		
5	64QAM	12	0	15.68	15.57	15.79	17.5	0
5	64QAM	12	7	15.64	15.68	15.71		
5	64QAM	12	13	15.63	15.66	15.73		
5	64QAM	25	0	15.59	15.69	15.69		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	15.92	15.71	15.79	17.5	0
3	QPSK	1	8	15.98	15.83	15.87		
3	QPSK	1	14	15.80	15.76	15.88		
3	QPSK	8	0	15.88	15.78	15.92	17.5	0
3	QPSK	8	4	15.84	15.84	15.90		
3	QPSK	8	7	15.72	15.74	15.82		
3	QPSK	15	0	15.73	15.82	15.78		
3	16QAM	1	0	15.76	15.93	15.89	17.5	0
3	16QAM	1	8	15.67	15.65	15.95		
3	16QAM	1	14	15.90	15.92	15.70		
3	16QAM	8	0	15.63	15.63	15.71	17.5	0
3	16QAM	8	4	15.60	15.68	15.77		
3	16QAM	8	7	15.70	15.63	15.69		
3	16QAM	15	0	15.60	15.62	15.70		
3	64QAM	1	0	15.78	15.74	15.91	17.5	0
3	64QAM	1	8	15.66	15.72	15.76		
3	64QAM	1	14	15.67	15.85	15.82		
3	64QAM	8	0	15.62	15.62	15.74	17.5	0
3	64QAM	8	4	15.64	15.67	15.75		
3	64QAM	8	7	15.60	15.73	15.65		
3	64QAM	15	0	15.58	15.64	15.68		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	15.80	15.76	15.82	17.5	0
1.4	QPSK	1	3	15.98	15.90	15.81		
1.4	QPSK	1	5	15.85	15.76	15.79		
1.4	QPSK	3	0	15.80	15.76	15.80		
1.4	QPSK	3	1	15.84	15.80	15.93		
1.4	QPSK	3	3	15.82	15.75	15.92		
1.4	QPSK	6	0	15.92	15.95	15.73	17.5	0
1.4	16QAM	1	0	15.87	15.74	15.75	17.5	0
1.4	16QAM	1	3	15.91	15.73	15.71		
1.4	16QAM	1	5	15.66	15.72	15.67		
1.4	16QAM	3	0	15.66	15.66	15.58		
1.4	16QAM	3	1	15.66	15.62	15.86		
1.4	16QAM	3	3	15.61	15.52	15.68		
1.4	16QAM	6	0	15.62	15.68	15.67	17.5	0
1.4	64QAM	1	0	15.83	15.83	15.65	17.5	0
1.4	64QAM	1	3	15.65	15.67	15.82		
1.4	64QAM	1	5	15.91	15.70	15.54		
1.4	64QAM	3	0	15.82	15.69	15.92		
1.4	64QAM	3	1	15.95	15.82	15.93		
1.4	64QAM	3	3	15.77	15.73	15.77		
1.4	64QAM	6	0	15.89	15.61	15.60	17.5	0

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)
	19.5

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)
	17

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)
	21.5

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									SCC					Power	
			LTE Band	Antenna Port	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
		CA_5A-41A	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	22.37	22.41
			Band 5	2	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	21.87	21.76
			Band 41	1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.34	22.68
		CA_25A-41A	Band 25	2	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	22.21	22.39
			Band 41	1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 25	20M	1962.5	8365	4x4MIMO	22.41	22.68
		CA_26A-41A	Band 26	1	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	22.54	22.94
			Band 26	2	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	22.12	22.70
			Band 41	1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 26	15M	876.5	8865		22.48	22.68
		CA_13A-66A	Band 13	1	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886		22.34	22.58
			Band 66	1	20M	1745	132332	QPSK	1	0		Band 13	10M	751	5230	4x4MIMO	22.43	22.57
		CA_41A-41A	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	22.44	22.68

3CA DL

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

Configure	PCC									SCC1					SCC2					Power	
	LTE Band	Antenna Port	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
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
	Band 13	1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.43	22.58
CA_5B-66A	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	782	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 Band	Antenna Port	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
Inter-Band	CA_2A-4A-5A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		22.24	22.38
		Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	4x4MIMO	22.27	22.42
		Band 5	1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.21	22.41
		Band 5	2	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.89	21.76
	CA_2A-4A-71A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 71	20M	637	68786		22.20	22.38
		Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 71	20M	637	68786		Band 2	20M	1960	900	4x4MIMO	22.21	22.42
		Band 71	1	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.01	22.89
		Band 71	2	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.34	22.46
	CA_2A-4A-29A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 29	10M	722.5	9715		22.26	22.38
		Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 29	10M	722.5	9715		Band 2	20M	1960	900	4x4MIMO	22.30	22.42
	CA_2A-4A-30A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	22.24	22.38
		Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.22	22.42
		Band 30	1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.67	21.70
	CA_2A-5A-30A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820	4x4MIMO	22.19	22.38
		Band 5	1	10M	836.5	20525	QPSK	1	0		Band 30	10M	2355	9820	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.07	22.41
		Band 5	2	10M	836.5	20525	QPSK	1	0		Band 30	10M	2355	9820	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.56	21.76
		Band 30	1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		21.90	21.70
	CA_2A-12A-30A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 30	10M	2355	9820	4x4MIMO	22.20	22.38
		Band 12	1	10M	707.5	23095	QPSK	1	0		Band 30	10M	2355	9820	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.89	22.95
		Band 12	2	10M	707.5	23095	QPSK	1	0		Band 30	10M	2355	9820	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.43	22.62
		Band 30	1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095		21.65	21.70
	CA_2A-14A-30A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 14	10M	763	5330		Band 30	10M	2355	9820	4x4MIMO	22.15	22.38
		Band 14	1	10M	793	23330	QPSK	1	0		Band 30	10M	2355	9820	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.08	23.09
		Band 30	1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 14	10M	763	5330		21.87	21.70
	CA_2A-14A-66A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 14	10M	763	5330		Band 66	20M	2155	66886	4x4MIMO	22.29	22.38
		Band 14	1	10M	793	23330	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.06	23.09
		Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 14	10M	763	5330		22.23	22.57
	CA_2A-29A-30A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 29	10M	722.5	9715		Band 30	10M	2355	9820	4x4MIMO	22.19	22.38
		Band 30	1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 29	10M	722.5	9715		21.93	21.70
	CA_2A-30A-66A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.21	22.38
		Band 30	1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.84	21.70
		Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	22.21	22.57
	CA_2A-5B	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	881.2	2597		22.27	22.38
		Band 5	1	10M	836.5	20525	QPSK	1	0		Band 5	5M	881.2	2597		Band 2	20M	1960	900	4x4MIMO	22.14	22.41
		Band 5	2	10M	836.5	20525	QPSK	1	0		Band 5	5M	881.2	2597		Band 2	20M	1960	900	4x4MIMO	21.55	21.76
	CA_2C-12A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 12	10M	737.5	5095		22.31	22.38
		Band 12	1	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	23.09	22.95
		Band 12	2	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	22.34	22.62
	CA_2A-2A-29A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 29	10M	722.5	9715		22.33	22.38
	CA_2A-2A-30A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	22.24	22.38
		Band 30	1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	21.67	21.70
	CA_4A-4A-5A	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		22.32	22.42
		Band 5	1	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.09	22.41
		Band 5	2	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	21.54	21.76
	CA_4A-4A-29A	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 29	10M	722.5	9715		22.34	22.42
	CA_4A-4A-30A	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	22.37	22.42
		Band 30	1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	21.95	21.70
	CA_41A-41C	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	Band 41	20M	2675.8	41448	4x4MIMO	22.6	22.68
		Band 41	1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	22.55	22.68
	CA_2A-7A-7A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	22.56	22.38
		Band 7	1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.35	22.45
	CA_66A-66B	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2112.5	66461	4x4MIMO	Band 66	15M	2121.8	66554	4x4MIMO	22.43	22.57
		Band 66	1	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	22.44	22.57
	CA_4A-4A-71A	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 71	20M	637	68786		22.23	22.42
		Band 71	1	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.90	22.89
		Band 71	2	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.43	22.46
	CA_4A-5A-30A	Band 4	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	5M	881.5	2525		Band 30	10M	2355	9820	4x4MIMO	22.32	22.42
		Band 5	1	10M	836.5	20525	QPSK	1	0		Band 30	10M	2355	9820	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.33	22.41
		Band 5	2	10M	836.5	20525	QPSK	1	0		Band 30	10M	2355	9820	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.54	21.76
		Band 30	1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		21.55	21.70
	CA_4A-12A-30A	Band 4	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 30	10M	2355	9820	4x4MIMO	21.45	22.42
		Band 12	1	10M	707.5	23095	QPSK	1	0		Band 30	10M	2355	9820	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.90	22.95
		Band 12	2	10M	707.5	23095	QPSK	1	0		Band 30	10M	2355	9820	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.56	22.62
		Band 30	1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 12	10M	737.5	5095		21.65	21.70
	CA_4A-29A-30A	Band 4	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 29	5M	722.5	9715		Band 30	10M	2355	9820	4x4MIMO	22.43	22.42
		Band 30	1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 29	10M	722.5	9715		21.67	21.70
	CA_5A-30A-66A	Band 5	1	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.44	22.41
		Band 5	2	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	21.56	21.76
		Band 30	1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	21.56	21.70
		Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	22.55	22.57
	CA_12A-30A-66A	Band 12	1	10M	707.5	23095	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.99	22.95
		Band 12	2	10M	707.5	23095	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.45	22.62
		Band 30	1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 12	10M	737.5	5095	4x4MIMO	21.55	21.70
		Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	22.55	22.57
	CA_14A-30A-66A	Band 14	1	10M	793	23330	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.01	23.09
		Band 30	1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 14	10M	763	5330	4x4MIMO	21.54	21.70
		Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 14	10M	763	5330	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	22.55	22.57
	CA_14A-66A-66A	Band 14	1	10M	793	23330	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311		23.03	23.09
		Band 66	1	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311	4x4MIMO	Band 14	10M	763	5330	4x4MIMO	22.54	22.57
	CA_25A-25A-26A	Band 25	1	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	5M	1960	8340	4x4MIMO	Band 26	15M	876.5	8865	4x4MIMO	22.34	22.39
		Band 25	2	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	5M	1960	8340	4x4MIMO	Band 26	15M	876.5	8865	4x4MIMO	22.65	22.91
		Band 26	1	15M	831.5	26865	QPSK	1	0	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	Band 25	5M	1960	8340	4x4MIMO	22.66	22.94
		Band 26	2	15M	831.5	26865	QPSK	1	0	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	Band 25	5M	1960	8340	4x4MIMO	22.67	22.70
	CA_25A-41C	Band 25	1	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	22.45	22.39
		Band 25	2	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	22.76	22.91
		Band 41	1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	22.6	22.68
	CA_26A-41C	Band 26	1	15M	831.5	26865	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	22.98	22.94
		Band 26	2	15M	831.5	26865	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	22.76	22.70
		Band 41	1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 26	15M	876.5	8865	4x4MIMO	22.55	22.68
	CA_29A-66A-66A	Band 66	1	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311	4x4MIMO	Band 29	10M	722.5	9715	4x4MIMO	22.51	22.57
	CA_30A-66A-66A	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311		21.65	21.70
		Band 66	1	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	22.45	22.57

4CA DL

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

Configure		PCC								SCC1					SCC2					SCC3					Power	
		LTE Band	Antenna Port	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
Inter-Band	CA_2A-2A-4A-71A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 71	20M	637	68786		22.32	22.38
		Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 71	20M	637	68786		Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.28	22.42
		Band 71	1	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.07	22.89
		Band 71	2	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.32	22.46
	CA_2A-2A-5A-66A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	22.34	22.38
		Band 5	1	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.12	22.41
		Band 5	2	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	21.56	21.76
		Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.34	22.57
	CA_2A-2A-12A-66A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	22.33	22.38
		Band 12	1	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.01	22.95
		Band 12	2	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.44	22.62
		Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.21	22.57
	CA_2A-2A-14A-66A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 14	10M	763	5330		Band 66	20M	2155	66886	4x4MIMO	22.30	22.38
		Band 14	1	10M	793	23330	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.05	23.09
		Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 14	10M	763	5330		Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.24	22.57
	CA_2C-66A-66A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.30	22.38
		Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	900	1960	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	22.32	22.57
	CA_2A-2A-66B	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	22.38	22.38
		Band 66	1	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.33	22.57
	CA_2A-2A-66C	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	22.38	22.38
		Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.31	22.57
	CA_2A-2A-66A-66A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.29	22.38
		Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.22	22.57
	CA_2A-2A-66A-71A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 71	20M	637	68786		22.33	22.38
		Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 71	20M	637	68786		Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.32	22.57
		Band 71	1	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.06	22.89
		Band 71	2	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.43	22.46
	CA_2A-4A-4A-12A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 12	10M	737.5	5095		22.27	22.38
		Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095		22.34	22.42
		Band 12	1	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.98	22.95
		Band 12	2	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.55	22.62
	CA_2A-5A-66A-66A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.37	22.38
		Band 5	1	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	22.19	22.41
		Band 5	2	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	21.56	21.76
		Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	836.5	2525		Band 2	20M	1880	900	4x4MIMO	22.34	22.57
	CA_2A-12A-66C	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	22.38	22.38
		Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1880	900	4x4MIMO	22.32	22.57
		Band 12	1	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	22.92	22.95
		Band 12	2	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	22.60	22.62
	CA_2A-12A-66A-66A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.21	22.38
		Band 12	1	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	23.01	22.95
		Band 12	2	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	22.56	22.62
		Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1880	900	4x4MIMO	22.33	22.57
	CA_2A-66C-71A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 71	20M	637	68786		22.26	22.38
		Band 71	1	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	23.01	22.89
		Band 71	2	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	22.34	22.46
		Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 71	20M	637	68786		Band 2	20M	1880	900	4x4MIMO	22.34	22.57
	CA_2A-66A-66A-71A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 71	20M	637	68786		22.35	22.38
		Band 66	1	20M	683	133322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 71	20M	637	68786		Band 2	20M	1880	900	4x4MIMO	22.31	22.57
		Band 71	1	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	23.07	22.89
		Band 71	2	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	22.43	22.46
	CA_25A-41D	Band 25	2	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	22.31	22.39
		Band 41	1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	22.43	22.68
	CA_41C-41C	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	Band 41	20M	2510.2	39792	4x4MIMO	22.66	22.68
	CA_41A-41D	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	Band 41	20M	2510.2	39792	4x4MIMO	Band 41	20M	2530	39990	4x4MIMO	22.54	22.68
		Band 41	1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	22.55	22.68

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		
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	22.61		
20	PI/2 BPSK	100	0	22.57	22.72	22.53	23.5	0.5
20	QPSK	1	1	23.67	23.81	23.63	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		
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		
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		
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	PI/2 BPSK	1	1	22.76	22.92	23.05	24.0	0.0
20	PI/2 BPSK	1	53	22.56	22.99	23.12		
20	PI/2 BPSK	1	104	22.76	23.04	23.17		
20	PI/2 BPSK	50	0	22.12	22.36	22.49	24.0	0.0
20	PI/2 BPSK	50	28	22.87	23.03	23.16		
20	PI/2 BPSK	50	56	22.32	22.46	22.59		
20	PI/2 BPSK	100	0	22.32	22.54	22.67	23.5	0.5
20	QPSK	1	1	22.76	23.29	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	PI/2 BPSK	1	1	22.91	23.08	22.94	24.0	0.0
20	PI/2 BPSK	1	53	22.94	23.06	22.98		
20	PI/2 BPSK	1	104	23.08	23.12	23.10		
20	PI/2 BPSK	50	0	22.54	22.57	22.57	24.0	0.0
20	PI/2 BPSK	50	28	22.94	22.98	22.96		
20	PI/2 BPSK	50	56	22.97	23.03	23.01		
20	PI/2 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	23.32	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	355000	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	138600	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		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	26.12	26.25	25.40	27.0	0.0
100	PI/2 BPSK	1	137	26.11	25.03	26.22		
100	PI/2 BPSK	1	271	24.93	26.23	25.59		
100	PI/2 BPSK	135	0	25.63	25.69	25.22	27.0	0.0
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	27.0	0.0
100	QPSK	135	69	26.15	24.79	25.26		
100	QPSK	135	138	25.02	24.16	23.84		
100	QPSK	270	0	24.92	25.24	24.06	26.0	1.0
100	16QAM	1	1	25.11	25.14	23.88	26.0	1.0
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.83	26.07	24.80	27.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.80	26.01	24.78	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.79	26.11	24.70	27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.77	25.98	24.73	27.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.79	25.96	24.72	27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.81	25.93	24.63	27.0	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		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.47	23.31	23.50	24.0	0.0
100	PI/2 BPSK	1	137	23.65	23.51	23.46		
100	PI/2 BPSK	1	271	23.48	23.33	23.53		
100	PI/2 BPSK	135	0	23.43	23.25	23.44	24.0	0.0
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	24.0	0.0
100	QPSK	135	69	23.57	23.68	23.56		
100	QPSK	135	138	23.56	23.41	23.62		
100	QPSK	270	0	22.65	22.55	22.56	23.0	1.0
100	16QAM	1	1	22.66	22.54	22.45	23.0	1.0
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.61	23.45	23.67	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.46	23.27	23.45	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.55	23.63	23.56	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.04	22.93	23.14	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.58	23.38	23.57	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.56	23.65	23.56	24.0	0.0

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	23.56	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	23.36	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	168800	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	169300	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	23.59	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)				668	680.5	693		
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		
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		
100	PI/2 BPSK	135	0	17.36	17.63	17.04	18.5	0.0
100	PI/2 BPSK	135	69	17.42	17.66	17.03		
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	17.39	18.5	0.0
100	QPSK	1	137	17.29	17.53	17.37		
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		
100	QPSK	270	0	17.28	17.66	17.24	18.5	0.0
100	16QAM	1	1	17.12	17.48	17.20	18.5	0.0
100	64QAM	1	1	17.23	17.52	17.25	18.5	0.0
100	256QAM	1	1	17.39	17.42	17.19	18.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	16.77	16.74	17.06	18.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	16.70	16.89	16.72	18.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	16.85	17.08	16.85	18.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	16.61	16.74	16.86	18.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	16.96	16.96	16.90	18.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	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		
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		
100	PI/2 BPSK	135	0	16.72	16.97	16.95	18.5	0.0
100	PI/2 BPSK	135	69	16.81	17.05	16.89		
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	17.18	16.80	18.5	0.0
100	QPSK	1	137	16.66	16.60	16.74		
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		
100	QPSK	270	0	16.41	16.78	16.66	18.5	0.0
100	16QAM	1	1	16.69	17.00	16.77	18.5	0.0
100	64QAM	1	1	16.72	16.88	16.68	18.5	0.0
100	256QAM	1	1	16.74	16.70	16.65	18.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	16.99	17.37	16.82	18.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	16.87	17.25	16.82	18.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	16.72	17.08	16.80	18.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	16.87	17.25	16.82	18.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.14	17.43	16.99	18.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	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	17.60	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		
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	15.5	0.0
100	QPSK	1	137	14.36	14.51	14.44		
100	QPSK	1	271	14.32	14.72	14.18		
100	QPSK	135	0	14.53	14.62	14.52	15.5	0.0
100	QPSK	135	69	14.42	14.56	14.50		
100	QPSK	135	138	14.30	14.57	14.27		
100	QPSK	270	0	14.30	14.57	14.31	15.5	0.0
100	16QAM	1	1	14.24	14.53	14.46	15.5	0.0
100	64QAM	1	1	14.25	14.44	14.30	15.5	0.0
100	256QAM	1	1	14.41	14.35	14.25	15.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	14.31	14.44	14.25	15.5	0.0
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	0.0
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	0.0
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	0.0
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	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	14.10	14.29	14.27	15.5	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		
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	15.5	0.0
100	QPSK	1	137	14.26	14.20	14.34		
100	QPSK	1	271	14.31	14.37	14.27		
100	QPSK	135	0	14.14	14.42	14.29	15.5	0.0
100	QPSK	135	69	14.13	14.33	14.21		
100	QPSK	135	138	14.10	14.29	14.37		
100	QPSK	270	0	14.01	14.38	14.26	15.5	0.0
100	16QAM	1	1	14.34	14.67	14.28	15.5	0.0
100	64QAM	1	1	14.31	14.48	14.28	15.5	0.0
100	256QAM	1	1	14.34	14.32	14.24	15.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	14.73	14.74	14.69	15.5	0.0
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	0.0
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	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	14.54	15.16	14.73	15.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	14.70	14.50	14.68	15.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	14.71	14.56	14.51	15.5	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	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	16.58	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	17.5	0.0
20	PI/2 BPSK	50	28	16.06	16.11	16.16		
20	PI/2 BPSK	50	56	16.25	16.26	16.26		
20	PI/2 BPSK	100	0	16.27	16.25	16.32	17.5	0.0
20	QPSK	1	1	16.54	16.67	16.61	17.5	0.0
20	QPSK	1	53	16.12	16.10	16.23		
20	QPSK	1	104	16.49	16.59	16.39		
20	QPSK	50	0	16.35	16.39	16.38	17.5	0.0
20	QPSK	50	28	16.36	16.15	16.02		
20	QPSK	50	56	16.21	16.23	16.36		
20	QPSK	100	0	16.18	16.22	16.25	17.5	0.0
20	16QAM	1	1	16.60	16.63	16.55	17.5	0.0
20	64QAM	1	1	16.39	16.62	16.13	17.5	0.0
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		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.55	20.59	20.52		
100	PI/2 BPSK	1	137	20.63	20.79	20.56	22.0	0.0
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	22.0	0.0
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	22.0	0.0
100	QPSK	135	138	20.53	20.69	20.52		
100	QPSK	270	0	20.52	20.68	20.58	22.0	0.0
100	16QAM	1	1	20.46	20.64	20.73	22.0	0.0
100	64QAM	1	1	20.55	20.65	20.74	22.0	0.0
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.53	20.61	20.57	22.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.51	20.52	20.55	22.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.13	20.45	20.73	22.0	0.0
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.34	20.41	20.52	22.0	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		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.67	20.55	20.53		
100	PI/2 BPSK	1	137	20.72	20.77	20.55	22.0	0.0
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	22.0	0.0
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	22.0	0.0
100	QPSK	135	138	20.33	20.41	20.62		
100	QPSK	270	0	20.23	20.49	20.53	22.0	0.0
100	16QAM	1	1	20.56	20.78	20.55	22.0	0.0
100	64QAM	1	1	20.55	20.60	20.53	21.5	0.5
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.52	20.66	20.45	22.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.52	20.76	20.51	22.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.36	20.87	20.60	22.0	0.0
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.55	20.28	20.36	22.0	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	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	21.49	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	21.78	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	PI/2 BPSK	1	1	21.12	21.17	21.11	21.5	0.0
20	PI/2 BPSK	1	53	21.01	21.04	20.87		
20	PI/2 BPSK	1	104	20.76	20.85	20.68		
20	PI/2 BPSK	50	0	21.10	21.15	21.05	21.5	0.0
20	PI/2 BPSK	50	28	21.02	21.04	20.92		
20	PI/2 BPSK	50	56	20.84	20.96	20.84		
20	PI/2 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	21.19	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	PI/2 BPSK	1	1	22.56	22.71	22.67	23.0	0.0
20	PI/2 BPSK	1	53	22.61	22.78	22.74		
20	PI/2 BPSK	1	104	22.60	22.55	22.62		
20	PI/2 BPSK	50	0	22.68	22.65	22.53	23.0	0.0
20	PI/2 BPSK	50	28	22.58	22.71	22.62		
20	PI/2 BPSK	50	56	22.55	22.67	22.48		
20	PI/2 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	12.86		
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	14.0	0.0
20	QPSK	1	53	12.84	12.99	12.84		
20	QPSK	1	104	12.88	12.93	12.95		
20	QPSK	50	0	12.77	12.98	12.86	14.0	0.0
20	QPSK	50	28	12.97	13.02	12.97		
20	QPSK	50	56	12.83	12.96	12.87		
20	QPSK	100	0	12.99	13.11	13.02	14.0	0.0
20	16QAM	1	1	12.97	13.02	13.14	14.0	0.0
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)				1857.5	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)				1852.5	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	18.0	0.0
20	PI/2 BPSK	50	28	17.02	17.12	17.15		
20	PI/2 BPSK	50	56	17.03	17.00	17.16		
20	PI/2 BPSK	100	0	17.00	17.01	17.22	18.0	0.0
20	QPSK	1	1	16.89	17.32	17.15	18.0	0.0
20	QPSK	1	53	16.78	17.15	17.10		
20	QPSK	1	104	17.23	16.99	17.15		
20	QPSK	50	0	17.11	17.05	17.11	18.0	0.0
20	QPSK	50	28	17.12	17.20	16.80		
20	QPSK	50	56	17.10	17.12	16.93		
20	QPSK	100	0	17.05	16.98	17.05	18.0	0.0
20	16QAM	1	1	16.75	16.99	16.99	18.0	0.0
20	64QAM	1	1	16.79	17.21	16.75	18.0	0.0
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	PI/2 BPSK	1	1	13.58	13.75	13.64	15.0	0.0
20	PI/2 BPSK	1	53	13.55	13.71	13.66		
20	PI/2 BPSK	1	104	13.64	13.82	13.58		
20	PI/2 BPSK	50	0	13.61	13.74	13.45	15.0	0.0
20	PI/2 BPSK	50	28	13.75	13.73	13.64		
20	PI/2 BPSK	50	56	13.45	13.84	13.71		
20	PI/2 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	PI/2 BPSK	1	1	13.91	13.96	13.85	15.0	0.0
20	PI/2 BPSK	1	53	13.83	14.03	13.86		
20	PI/2 BPSK	1	104	13.86	14.01	13.76		
20	PI/2 BPSK	50	0	13.90	14.00	13.77	15.0	0.0
20	PI/2 BPSK	50	28	13.83	13.91	13.83		
20	PI/2 BPSK	50	56	13.73	13.83	13.89		
20	PI/2 BPSK	100	0	13.62	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	13.62	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	13.63	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	14.61	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	14.61	14.66		
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		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	12.66	12.70	12.63	14.0	0.0
100	PI/2 BPSK	1	137	12.74	12.90	12.67		
100	PI/2 BPSK	1	271	12.64	12.95	12.69		
100	PI/2 BPSK	135	0	12.73	12.78	12.45	14.0	0.0
100	PI/2 BPSK	135	69	12.77	12.79	12.48		
100	PI/2 BPSK	135	138	12.64	12.92	12.54		
100	PI/2 BPSK	270	0	12.66	12.78	12.64	14.0	0.0
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	2649.99		
80	QPSK	1	1	12.64	12.72	12.68	14.0	0.0
Channel				505200	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		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	12.78	12.66	12.64	14.0	0.0
100	PI/2 BPSK	1	137	12.83	12.88	12.66		
100	PI/2 BPSK	1	271	12.64	12.98	12.80		
100	PI/2 BPSK	135	0	12.66	12.80	12.91	14.0	0.0
100	PI/2 BPSK	135	69	12.74	12.87	12.87		
100	PI/2 BPSK	135	138	12.63	12.86	12.88		
100	PI/2 BPSK	270	0	12.77	12.86	12.74	14.0	0.0
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)				2536.02	2592.99	2649.99		
80	QPSK	1	1	12.63	12.77	12.56	14.0	0.0
Channel				505200	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	PI/2 BPSK	1	1	13.34	13.47	13.32	14.5	0.0
20	PI/2 BPSK	1	53	13.33	13.54	13.33		
20	PI/2 BPSK	1	104	13.35	13.51	13.42		
20	PI/2 BPSK	50	0	13.41	13.34	13.30	14.5	0.0
20	PI/2 BPSK	50	28	13.39	13.49	13.33		
20	PI/2 BPSK	50	56	13.34	13.44	13.36		
20	PI/2 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	PI/2 BPSK	1	1	13.36	13.49	13.33	14.5	0.0
20	PI/2 BPSK	1	53	13.35	13.57	13.37		
20	PI/2 BPSK	1	104	13.38	13.53	13.43		
20	PI/2 BPSK	50	0	13.43	13.36	13.31	14.5	0.0
20	PI/2 BPSK	50	28	13.41	13.52	13.37		
20	PI/2 BPSK	50	56	13.37	13.46	13.37		
20	PI/2 BPSK	100	0	13.35	13.55	13.30	14.5	0.0
20	QPSK	1	1	13.44	13.65	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	13.87	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		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	11.59	11.61	11.53	12.0	0.0
100	PI/2 BPSK	1	137	11.53	11.58	11.55		
100	PI/2 BPSK	1	271	11.66	11.69	11.45		
100	PI/2 BPSK	135	0	11.52	11.64	11.53	12.0	0.0
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	12.0	0.0
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	12.0	0.0
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	2649.99		
80	QPSK	1	1	11.44	11.56	11.52	12.0	0.0
Channel				505200	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				509202	518598	528000		
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	11.64	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	11.69	11.52	12.0	0.0
100	QPSK	1	1	11.84	11.90	11.76	12.0	0.0
100	QPSK	1	137	11.78	11.73	11.55		
100	QPSK	1	271	11.55	11.87	11.63		
100	QPSK	135	0	11.63	11.67	11.42	12.0	0.0
100	QPSK	135	69	11.46	11.73	11.63		
100	QPSK	135	138	11.53	11.69	11.52		
100	QPSK	270	0	11.55	11.75	11.55	12.0	0.0
100	16QAM	1	1	11.63	11.79	11.43	12.0	0.0
100	64QAM	1	1	11.53	11.46	11.44	12.0	0.0
100	256QAM	1	1	11.80	11.82	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	11.63	11.56	11.42	12.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	11.53	11.52	11.44	12.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	11.36	11.44	11.63	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	11.42	11.36	11.52	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	11.32	11.32	11.43	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	11.50	11.52	11.55	12.0	0.0

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	PI/2 BPSK	1	1	18.09	18.26	18.36	19.5	0.0
20	PI/2 BPSK	1	53	18.06	18.22	18.16		
20	PI/2 BPSK	1	104	18.25	18.33	18.06		
20	PI/2 BPSK	50	0	18.16	18.25	18.07	19.5	0.0
20	PI/2 BPSK	50	28	18.09	18.24	18.05		
20	PI/2 BPSK	50	56	18.15	18.25	18.16		
20	PI/2 BPSK	100	0	18.09	18.36	18.06	19.5	0.0
20	QPSK	1	1	18.57	18.58	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	PI/2 BPSK	1	1	17.89	18.11	18.19	19.5	0.0
20	PI/2 BPSK	1	53	17.94	18.03	18.02		
20	PI/2 BPSK	1	104	18.09	18.20	17.88		
20	PI/2 BPSK	50	0	17.96	18.10	17.90	19.5	0.0
20	PI/2 BPSK	50	28	17.97	18.05	17.91		
20	PI/2 BPSK	50	56	17.99	18.22	17.98		
20	PI/2 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		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.96	14.20	13.93	14.5	0.0
100	PI/2 BPSK	1	137	13.99	14.09	13.89		
100	PI/2 BPSK	1	271	13.73	14.12	13.93		
100	PI/2 BPSK	135	0	13.86	14.24	14.00	14.5	0.0
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	14.09	13.77		
100	QPSK	1	271	13.74	14.02	13.83		
100	QPSK	135	0	13.93	14.26	13.93	14.5	0.0
100	QPSK	135	69	13.99	14.13	13.66		
100	QPSK	135	138	13.87	14.13	13.74		
100	QPSK	270	0	13.80	14.29	13.84	14.5	0.0
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	2649.99		
80	QPSK	1	1	14.24	14.30	14.22	14.5	0.0
Channel				505200	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		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.94	14.17	13.84	14.5	0.0
100	PI/2 BPSK	1	137	13.93	14.06	13.72		
100	PI/2 BPSK	1	271	13.75	14.00	13.65		
100	PI/2 BPSK	135	0	13.91	14.20	13.93	14.5	0.0
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	14.5	0.0
100	QPSK	135	69	13.75	13.99	13.73		
100	QPSK	135	138	13.74	13.98	13.77		
100	QPSK	270	0	13.86	14.17	13.73	14.5	0.0
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	2649.99		
80	QPSK	1	1	13.98	14.13	13.87	14.5	0.0
Channel				505200	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	21.63	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	21.62	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	168800	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	169300	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	15.98	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	15.66		
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	PI/2 BPSK	1	1	20.55	20.66	20.56	21.0	0.0
20	PI/2 BPSK	1	53	20.49	20.55	20.42		
20	PI/2 BPSK	1	104	20.53	20.36	20.55		
20	PI/2 BPSK	50	0	20.55	20.61	20.63	21.0	0.0
20	PI/2 BPSK	50	28	20.49	20.55	20.43		
20	PI/2 BPSK	50	56	20.63	20.45	20.44		
20	PI/2 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	168800	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	169300	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	PI/2 BPSK	1	1	13.53	13.46	13.43	14.5	0.0
20	PI/2 BPSK	1	53	13.52	13.41	13.31		
20	PI/2 BPSK	1	104	13.34	13.38	13.24		
20	PI/2 BPSK	50	0	13.50	13.52	13.52	14.5	0.0
20	PI/2 BPSK	50	28	13.34	13.53	13.33		
20	PI/2 BPSK	50	56	13.33	13.50	13.25		
20	PI/2 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	13.36		
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	13.35	13.35	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		
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		
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		
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		
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	376000	380000	Tune-up limit	MPR
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)
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	MPR
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)
15	QPSK	1	1	23.20	23.57	23.52	24.0	0.0
Channel				371000	376000	381000	Tune-up limit	MPR
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)
10	QPSK	1	1	23.27	23.15	23.41	24.0	0.0
Channel				370500	376000	381500	Tune-up limit	MPR
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)
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	376000	380000	Tune-up limit	MPR
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)
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	20.90	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	MPR
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)
15	QPSK	1	1	20.81	20.51	20.43	21.0	0.0
Channel				371000	376000	381000	Tune-up limit	MPR
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)
10	QPSK	1	1	20.31	20.61	20.81	21.0	0.0
Channel				370500	376000	381500	Tune-up limit	MPR
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)
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				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	21.69	21.42	21.48	22.0	0.0
20	PI/2 BPSK	1	53	21.75	21.48	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	21.82	21.55	21.61	22.0	0.0
20	QPSK	1	1	21.69	21.89	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				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	21.72	21.45	21.51	22.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	21.28	21.61	21.65	22.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
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				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
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	19.82	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	19.81	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				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.67	19.45	19.43	20.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.62	19.48	19.66	20.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
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）					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	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	
	802.11n-HT20 MCS0	1	2412	21.09	22.00	98.15
		6	2437	21.21	22.00	
		11	2462	21.15	22.00	

2.4GHz WLAN	Ant 3+6 Head Simultaneous					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	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	Not Required	20.00	98.28
		6	2437		20.00	
		11	2462		20.00	
	802.11n-HT20 MCS0	1	2412		20.00	98.15
		6	2437		20.00	
		11	2462		20.00	

2.4GHz WLAN	Ant 3+6 Body Worn Simultaneous/Hotspot					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	18.69	19.50	100.00
		6	2437	18.68	19.50	
		11	2462	18.46	19.50	
	802.11g 6Mbps	1	2412	Not Required	19.50	98.28
		6	2437		19.50	
		11	2462		19.50	
	802.11n-HT20 MCS0	1	2412		19.50	98.15
		6	2437		19.50	
		11	2462		19.50	

5GHz WLAN	Ant 5+6 Standalone（Head/Handheld）					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	20.05	22.00	97.94
		40	5200	21.74	22.00	
		44	5220	20.59	22.00	
		48	5240	20.29	22.00	
	802.11n-HT20 MCS0	36	5180	20.55	22.00	98.15
		40	5200	21.73	22.00	
		44	5220	20.55	22.00	
		48	5240	20.69	22.00	
	802.11n-HT40 MCS0	38	5190	20.93	21.50	96.32
		46	5230	21.30	21.50	
	802.11ac-VHT20 MCS0	36	5180	20.56	22.00	98.16
		40	5200	21.72	22.00	
		44	5220	20.37	22.00	
		48	5240	20.60	22.00	
	802.11ac-VHT40 MCS0	38	5190	16.99	17.50	96.32
		46	5230	21.21	21.50	
	802.11ac-VHT80 MCS0	42	5210	13.63	14.00	92.77

5GHz WLAN	Ant 5+6 Body Worn Standalone					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	14.31	15.00	97.94
		40	5200	14.63	15.00	
		44	5220	14.64	15.00	
		48	5240	14.17	15.00	
	802.11n-HT20 MCS0	36	5180	Not Required	15.00	98.15
		40	5200		15.00	
		44	5220		15.00	
		48	5240		15.00	
	802.11n-HT40 MCS0	38	5190		14.50	96.32
		46	5230		14.50	
	802.11ac-VHT20 MCS0	36	5180		15.00	98.16
		40	5200		15.00	
		44	5220		15.00	
		48	5240		15.00	
	802.11ac-VHT40 MCS0	38	5190		14.50	96.32
		46	5230		14.50	
	802.11ac-VHT80 MCS0	42	5210		14.00	92.77

5GHz WLAN	Ant 5+6 Body Worn Simultaneous/Hotspot					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	8.98	10.00	97.94
		40	5200	9.52	10.00	
		44	5220	9.42	10.00	
		48	5240	8.95	10.00	
	802.11n-HT20 MCS0	36	5180	Not Required	10.00	98.15
		40	5200		10.00	
		44	5220		10.00	
		48	5240		10.00	
	802.11n-HT40 MCS0	38	5190		9.50	96.32
		46	5230		9.50	
	802.11ac-VHT20 MCS0	36	5180		10.00	98.16
		40	5200		10.00	
		44	5220		10.00	
		48	5240		10.00	
	802.11ac-VHT40 MCS0	38	5190		9.50	96.32
		46	5230		9.50	
	802.11ac-VHT80 MCS0	42	5210		9.50	92.77

5GHz WLAN	Ant 5+6 Standalone（Head/Handheld）					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	20.14	22.00	97.94
		56	5280	21.15	22.00	
		60	5300	20.20	22.00	
		64	5320	20.30	22.00	
	802.11n-HT20 MCS0	52	5260	20.56	22.00	98.15
		56	5280	21.90	22.00	
		60	5300	20.61	22.00	
		64	5320	20.67	22.00	
	802.11n-HT40 MCS0	54	5270	21.12	21.50	96.32
		62	5310	15.72	16.00	
	802.11ac-VHT20 MCS0	52	5260	20.51	22.00	98.16
		56	5280	21.83	22.00	
		60	5300	20.45	22.00	
		64	5320	20.56	22.00	
	802.11ac-VHT40 MCS0	54	5270	21.09	21.50	96.32
		62	5310	15.75	16.00	
	802.11ac-VHT80 MCS0	58	5290	13.05	14.00	92.77

5GHz WLAN	Ant 5+6 Body Worn Standalone					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	13.98	15.00	97.94
		56	5280	13.77	15.00	
		60	5300	13.87	15.00	
		64	5320	13.81	15.00	
	802.11n-HT20 MCS0	52	5260	Not Required	15.00	98.15
		56	5280		15.00	
		60	5300		15.00	
		64	5320		15.00	
	802.11n-HT40 MCS0	54	5270		14.50	96.32
		62	5310		14.50	
	802.11ac-VHT20 MCS0	52	5260		15.00	98.16
		56	5280		15.00	
		60	5300		15.00	
		64	5320		15.00	
	802.11ac-VHT40 MCS0	54	5270		14.50	96.32
		62	5310		14.50	
	802.11ac-VHT80 MCS0	58	5290		14.00	92.77

5GHz WLAN	Ant 5+6 Body Worn Simultaneous					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	8.67	10.00	97.94
		56	5280	8.23	10.00	
		60	5300	8.61	10.00	
		64	5320	8.44	10.00	
	802.11n-HT20 MCS0	52	5260	Not Required	10.00	98.15
		56	5280		10.00	
		60	5300		10.00	
		64	5320		10.00	
	802.11n-HT40 MCS0	54	5270		9.50	96.32
		62	5310		9.50	
	802.11ac-VHT20 MCS0	52	5260		10.00	98.16
		56	5280		10.00	
		60	5300		10.00	
		64	5320		10.00	
	802.11ac-VHT40 MCS0	54	5270		9.50	96.32
		62	5310		9.50	
	802.11ac-VHT80 MCS0	58	5290		9.50	92.77

5GHz WLAN	Ant 5+6 Standalone（Head/Handheld）					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	20.57	21.00	97.94
		116	5580	20.20	21.00	
		132	5660	22.44	23.00	
		140	5700	20.67	21.00	
	802.11n-HT20 MCS0	100	5500	20.50	21.00	98.15
		116	5580	20.53	21.00	
		132	5660	22.30	23.00	
		140	5700	20.65	21.00	
	802.11n-HT40 MCS0	102	5510	21.42	22.50	96.32
		110	5550	21.44	22.50	
		134	5670	21.45	22.50	
	802.11ac-VHT20 MCS0	100	5500	20.47	21.00	98.16
		116	5580	20.54	21.00	
		132	5660	22.31	23.00	
		140	5700	20.51	21.00	
	802.11ac-VHT40 MCS0	102	5510	19.85	20.50	96.32
		110	5550	21.44	22.50	
		134	5670	21.44	22.50	
	802.11ac-VHT80 MCS0	106	5530	14.52	15.00	92.77

5GHz WLAN	Ant 5+6 Body Worn Standalone					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	13.82	15.00	97.94
		116	5580	13.98	15.00	
		132	5660	13.92	15.00	
		140	5700	14.08	15.00	
	802.11n-HT20 MCS0	100	5500	Not Required	15.00	98.15
		116	5580		15.00	
		132	5660		15.00	
		140	5700		15.00	
	802.11n-HT40 MCS0	102	5510		14.50	96.32
		110	5550		14.50	
		134	5670		14.50	
	802.11ac-VHT20 MCS0	100	5500		15.00	98.16
		116	5580		15.00	
		132	5660		15.00	
		140	5700		15.00	
	802.11ac-VHT40 MCS0	102	5510		14.50	96.32
		110	5550		14.50	
		134	5670		14.50	
	802.11ac-VHT80 MCS0	106	5530		14.50	92.77

5GHz WLAN	Ant 5+6 Body Worn Simultaneous					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	8.15	10.00	97.94
		116	5580	8.44	10.00	
		132	5660	8.29	10.00	
		140	5700	8.30	10.00	
	802.11n-HT20 MCS0	100	5500	Not Required	10.00	98.15
		116	5580		10.00	
		132	5660		10.00	
		140	5700		10.00	
	802.11n-HT40 MCS0	102	5510		9.50	96.32
		110	5550		9.50	
		134	5670		9.50	
	802.11ac-VHT20 MCS0	100	5500		10.00	98.16
		116	5580		10.00	
		132	5660		10.00	
		140	5700		10.00	
	802.11ac-VHT40 MCS0	102	5510		9.50	96.32
		110	5550		9.50	
		134	5670		9.50	
	802.11ac-VHT80 MCS0	106	5530		9.50	92.77

5GHz WLAN	Ant 5+6 Standalone（Head/Handheld）					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	22.15	23.00	97.94
		157	5785	22.24	23.00	
		165	5825	22.07	23.00	
	802.11n-HT20 MCS0	149	5745	22.11	23.00	98.15
		157	5785	22.14	23.00	
		165	5825	21.98	23.00	
	802.11n-HT40 MCS0	151	5755	21.27	22.50	96.32
		159	5795	21.27	22.50	
	802.11ac-VHT20 MCS0	149	5745	22.06	23.00	98.16
		157	5785	22.07	23.00	
		165	5825	21.94	23.00	
	802.11ac-VHT40 MCS0	151	5755	21.26	22.50	96.32
		159	5795	21.25	22.50	
	802.11ac-VHT80 MCS0	155	5775	19.90	20.50	92.77

5GHz WLAN	Ant 5+6 Body Worn Standalone					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	14.93	16.00	97.94
		157	5785	15.00	16.00	
		165	5825	14.88	16.00	
	802.11n-HT20 MCS0	149	5745	Not Required	16.00	98.15
		157	5785		16.00	
		165	5825		16.00	
	802.11n-HT40 MCS0	151	5755		15.50	96.32
		159	5795		15.50	
	802.11ac-VHT20 MCS0	149	5745		16.00	98.16
		157	5785		16.00	
		165	5825		16.00	
	802.11ac-VHT40 MCS0	151	5755		15.50	96.32
		159	5795		15.50	
	802.11ac-VHT80 MCS0	155	5775		15.50	92.77

5GHz WLAN	Ant 5+6 Body Worn Simultaneous/Hotspot					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	9.89	10.00	97.94
		157	5785	10.13	11.00	
		165	5825	9.94	10.00	
	802.11n-HT20 MCS0	149	5745	Not Required	11.00	98.15
		157	5785		11.00	
		165	5825		11.00	
	802.11n-HT40 MCS0	151	5755		10.50	96.32
		159	5795		10.50	
	802.11ac-VHT20 MCS0	149	5745		11.00	98.16
		157	5785		11.00	
		165	5825		11.00	
	802.11ac-VHT40 MCS0	151	5755		10.50	96.32
		159	5795		10.50	
	802.11ac-VHT80 MCS0	155	5775		10.50	92.77

BT EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	16.86	14.36	14.51
	CH 39	2441	16.95	15.21	15.20
	CH 78	2480	15.90	14.91	14.85
Tune-up Limit			17.5	16	16

BT LE

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

BT LE v5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
			1Mbps
LE	CH 00	2402	10.15
	CH 19	2440	10.83
	CH 39	2480	10.34
Tune-up Limit			11.00

5GHz WLAN	Ant 5+6 Handheld Simultaneous					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	16.18	17.00	97.94
		40	5200	16.20	17.00	
		44	5220	16.46	17.00	
		48	5240	16.53	17.00	
	802.11n-HT20 MCS0	36	5180	Not Required	17.00	98.15
		40	5200		17.00	
		44	5220		17.00	
		48	5240		17.00	
	802.11n-HT40 MCS0	38	5190		16.50	96.32
		46	5230		16.50	
	802.11ac-VHT20 MCS0	36	5180		17.00	98.16
		40	5200		17.00	
		44	5220		17.00	
		48	5240		17.00	
	802.11ac-VHT40 MCS0	38	5190		16.50	96.32
		46	5230		16.50	
	802.11ac-VHT80 MCS0	42	5210		14.00	92.77

5GHz WLAN	Ant 5+6 Handheld Simultaneous					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	15.29	16.00	97.94
		56	5280	15.25	16.00	
		60	5300	15.24	16.00	
		64	5320	15.13	16.00	
	802.11n-HT20 MCS0	52	5260		16.00	98.15
		56	5280		16.00	
		60	5300		16.00	
		64	5320		16.00	
	802.11n-HT40 MCS0	54	5270		15.50	96.32
		62	5310		15.50	
	802.11ac-VHT20 MCS0	52	5260		16.00	98.16
		56	5280		16.00	
		60	5300		16.00	
		64	5320		16.00	
	802.11ac-VHT40 MCS0	54	5270		15.50	96.32
		62	5310		15.50	
	802.11ac-VHT80 MCS0	58	5290		14.00	92.77

5GHz WLAN	Ant 5+6 Handheld Simultaneous					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	15.60	16.50	97.94
		116	5580	15.67	16.50	
		132	5660	15.55	16.50	
		140	5700	15.78	16.50	
	802.11n-HT20 MCS0	100	5500	Not Required	16.50	98.15
		116	5580		16.50	
		132	5660		16.50	
		140	5700		16.50	
	802.11n-HT40 MCS0	102	5510		16.00	96.32
		110	5550		16.00	
		134	5670		16.00	
	802.11ac-VHT20 MCS0	100	5500		16.50	98.16
		116	5580		16.50	
		132	5660		16.50	
		140	5700		16.50	
	802.11ac-VHT40 MCS0	102	5510		16.00	96.32
		110	5550		16.00	
		134	5670		16.00	
	802.11ac-VHT80 MCS0	106	5530		15.00	92.77

5GHz WLAN	Ant 5+6 Handheld Simultaneous					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	15.69	16.50	97.94
		157	5785	15.71	16.50	
		165	5825	15.67	16.50	
	802.11n-HT20 MCS0	149	5745	Not Required	16.50	98.15
		157	5785		16.50	
		165	5825		16.50	
	802.11n-HT40 MCS0	151	5755		16.00	96.32
		159	5795		16.00	
	802.11ac-VHT20 MCS0	149	5745		16.50	98.16
		157	5785		16.50	
		165	5825		16.50	
	802.11ac-VHT40 MCS0	151	5755		16.00	96.32
		159	5795		16.00	
	802.11ac-VHT80 MCS0	155	5775		16.00	92.77

5GHz WLAN	Ant 5+6 Simultaneous Head					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.13	21.00	97.94
		157	5785	20.14	21.00	
		165	5825	20.14	21.00	
	802.11n-HT20 MCS0	149	5745	Not Required	21.00	98.15
		157	5785		21.00	
		165	5825		21.00	
	802.11n-HT40 MCS0	151	5755		20.50	96.32
		159	5795		20.50	
	802.11ac-VHT20 MCS0	149	5745		21.00	98.16
		157	5785		21.00	
		165	5825		21.00	
	802.11ac-VHT40 MCS0	151	5755		20.50	96.32
		159	5795		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)	e of Time S								
									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 SO55	777	848.31	-	-	Left Cheek	0mm	1.040	1.880	0.201	0.398	1.050	0.287	0.520	0.194	0.400	0.398	0.282	0.513	0.171	0.149	0.905	0.224	0.391	0.950	0.995	0.174	0.257	0.495	1.003	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)																													
									Auto-Tune	2	8	14	20	26	32	38	44	50	56	62	68	74	80	86	92	98	104	110	116	122	128	134	140	6	36	66	96	126
WCDMA B5	RMC 12.2Kbps	4233	846.6	-	-	Left Tilted	0mm	0.798	1.660	0.182	0.379	1.031	0.268	0.501	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)																													
									Auto-Tune	3	9	15	21	27	33	39	45	51	57	63	69	75	81	87	93	99	105	111	117	123	129	135	141	12	42	72	102	132
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	0.019	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)																													
									Auto-Tune	4	10	16	22	28	34	40	46	52	58	64	70	76	82	88	94	100	106	112	118	124	130	136	142	18	48	78	108	138
CDMA2000 BC10	RC3 SO55	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	1.016	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)	Auto-Tune	5	11	17	23	29	35	41	47	53	59	65	71	77	83	89	95	101	107	113	119	125	131	137	143	24	54	84	114	
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 BC0	RTAP 153.6Kbps	777	848.31	-	-	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 B5	RMC 12.2Kbps	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	10M/QPSK	20525	836.5	1	0	Top Side	5mm	0.477	1.430	0.047	0.228	0.429	0.566	0.667	0.737	0.189	0.416	0.606	0.782	0.064	0.234	0.403	0.556	0.685	0.035	0.161	0.383	0.651	0.054	0.475	0.047	0.809	0.598	0.137	0.698	0.731	0.331	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 BC10_Ant2	RTAP 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	0.858	0.360	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	15M/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)	Auto-Tune	Average Value of Time Sweep (W/kg)																						
										0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
										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	0.502	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	SS	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
WCDMA B2	RMC 12.2Kbps	9400	1880	-	-	Bottom Side	5mm	0.947	1.270	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	0.792	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)	Auto-Tune	Average Value of Time Sweep (W/kg)																						
										0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
										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	0.386	0.389	0.392	0.358	0.361	0.362	0.362	0.363
										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
WCDMA B4	RMC 12.2Kbps	1413	1732.6	-	-	Back	5mm	0.874	1.130	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)	Auto-Tune	Average Value of Time Sweep (W/kg)																						
										0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
										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
CDMA2000 BC1_Ant1	RTAP 153.6Kbps	1175	1908.75	-	-	Bottom Side	5mm	0.937	1.880	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)	Auto-Tune	Average Value of Time Sweep (W/kg)																						
										0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
										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
LTE Band7	20M/QPSK	21100	2535	1	0	Back	5mm	1.03	1.930	1.783	1.669	1.567	1.466	1.401	1.340	1.357	1.307	1.290	1.214	1.256	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)	Auto-Tune	Average Value of Time Sweep (W/kg)																						
										0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
										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	61	62
										1.696	1.680	1.725	1.623	0.660	0.946	1.167	1.333	1.423	1.500	1.566	1.612	1.601	1.631	1.658	1.696	1.682	1.757	1.543	0.710	1.015
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
LTE Band30	10M/QPSK	27710	2310	25	0	Bottom Side	5mm	1.02	1.830	1.252	1.407	1.499	1.531	1.621	1.653	1.644	1.671	1.691	1.706	1.709	1.745	1.505	0.714	1.012	1.248	1.409	1.497	1.573	1.616	1.651
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										1.649	1.661	1.677	1.693	1.709	1.702	1.720	1.717	1.720	1.716	1.743	1.090	1.432	1.488	1.497	1.484	1.480	1.478	1.472	1.467	1.466
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										1.454	1.450	0.767	1.078	1.302	1.452	1.530	1.558	1.630	1.660	1.656	1.669	1.686	1.691	1.693	1.694	1.694	1.700	1.713	1.422	0.771
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										1.079	1.314	1.469	1.540	1.594	1.636	1.659	1.666	1.653	1.674	1.682	1.690	1.688	1.699	1.693	1.689	1.674	1.682			
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
										0.457	0.429	0.447	0.462	0.468	0.472	0.475	0.477	0.479	0.480	0.482	0.484	0.485	0.488	0.497	0.518	0.391	0.414	0.423	0.431	0.433
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.441	0.443	0.449	0.447	0.451	0.449	0.454	0.451	0.457	0.400	0.695	0.640	0.605	0.579	0.563	0.551	0.542	0.530	0.532	0.527	0.525
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										0.511	0.510	0.489	0.471	0.660	0.614	0.579	0.557	0.554	0.539	0.523	0.516	0.512	0.509	0.504	0.494	0.493	0.464	0.322	0.985	1.182
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
LTE Band66	20M/QPSK	132572	1770	1	0	Bottom Side	5mm	0.914	1.190	1.113	0.954	0.851	0.765	0.705	0.650	0.643	0.610	0.587	0.534	0.537	0.419	0.334	0.517	0.866	0.979	0.922	0.846	0.772	0.702	0.655
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										0.644	0.611	0.583	0.574	0.511	0.519	0.486	0.466	0.455	0.436	0.392	1.180	0.949	0.295	0.286	0.284	0.284	0.281	0.281	0.260	1.050
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										1.176	1.020	0.868	0.776	0.699	0.644	0.606	0.592	0.564	0.563	0.511	0.496	0.487	0.490	0.484	0.454	0.438	0.429	0.398	0.222	0.292
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.889	0.915	0.836	0.750	0.677	0.621	0.582	0.564	0.564	0.521	0.482	0.466	0.464	0.462	0.418	0.405	0.394	0.357			

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
										1.765	1.936	2.176	2.201	2.164	2.123	2.074	2.031	1.992	2.003	1.986	1.949	1.901	1.937	1.845	1.860	1.893	2.158	2.196	2.172	2.139
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										2.080	2.041	2.010	2.013	1.989	1.965	1.906	1.942	1.858	1.754	1.936	2.178	2.200	2.154	2.116	2.060	2.020	1.966	1.981	1.955	1.900
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										1.844	1.878	1.788	1.790	1.856	2.110	2.125	2.099	2.070	2.023	1.969	1.943	1.953	1.930	1.898	1.849	1.878	1.749	1.474	1.755	2.204
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
LTE Band41	20M/QPSK	40185	2549.5	50	0	Bottom Side	5mm	1.11	2.550	2.277	2.205	2.123	2.042	1.947	1.882	1.901	1.851	1.820	1.720	1.776	1.597	1.423	1.669	2.144	2.210	2.139	2.064	1.967	1.882	1.805
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										1.830	1.793	1.744	1.677	1.615	1.697	1.631	1.587	1.541	1.514	1.511	2.058	2.181	1.387	1.368	1.353	1.342	1.338	1.330	1.337	1.749
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										2.149	2.200	2.128	2.054	1.954	1.879	1.805	1.828	1.780	1.733	1.663	1.645	1.616	1.689	1.641	1.603	1.566	1.534	1.544	1.285	1.668
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										2.093	2.153	2.091	2.009	1.924	1.839	1.764	1.784	1.734	1.692	1.639	1.587	1.668	1.604	1.565	1.519	1.488	1.494			

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
										0.684	0.394	0.455	0.502	0.538	0.562	0.584	0.601	0.617	0.620	0.630	0.639	0.660	0.724	0.226	0.755	0.368	0.429	0.479	0.510	0.534
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.555	0.568	0.580	0.583	0.592	0.600	0.604	0.618	0.672	0.615	0.547	0.589	0.612	0.628	0.641	0.638	0.660	0.667	0.668	0.668	0.677
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										0.682	0.673	0.704	0.692	0.518	0.561	0.587	0.590	0.617	0.612	0.633	0.641	0.643	0.647	0.658	0.662	0.662	0.661	0.477	1.750	1.389
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
FR1 n25&N2_Ant1	20M/QPSK	372000	1860	1	1	Bottom Side	5mm	1.05	1.910	1.191	1.037	0.959	0.887	0.830	0.812	0.776	0.752	0.733	0.715	0.715	0.609	0.433	1.676	1.576	1.336	1.142	1.039	0.944	0.853	0.821
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										0.810	0.775	0.751	0.684	0.667	0.677	0.650	0.624	0.623	0.609	0.557	1.380	0.988	0.436	0.428	0.424	0.422	0.420	0.418	0.400	1.674
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										1.323	1.112	0.995	0.885	0.823	0.776	0.759	0.736	0.713	0.712	0.665	0.654	0.644	0.655	0.632	0.617	0.608	0.595	0.567	0.348	1.655
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										1.495	1.230	1.040	0.924	0.841	0.805	0.741	0.732	1.702	0.679	0.645	0.615	0.627	0.595	0.578	0.563	0.552	0.517			

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
										1.291	1.484	1.505	1.474	1.453	1.433	1.401	1.375	1.353	1.363	1.345	1.335	1.307	1.324	1.280	1.326	1.475	1.506	1.495	1.459	1.438
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										1.405	1.379	1.360	1.369	1.354	1.351	1.314	1.329	1.292	1.275	1.427	1.469	1.437	1.399	1.375	1.354	1.325	1.307	1.313	1.301	1.290
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										1.267	1.287	1.257	1.297	1.410	1.467	1.451	1.406	1.381	1.351	1.331	1.314	1.319	1.308	1.298	1.285	1.290	1.266	1.067	1.858	1.880
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
FR1 n41 Ant1-Hpue	100M/QPSK	518598	2592.99	135	0	Back	5mm	1.01	2.080	1.759	1.601	1.510	1.427	1.403	1.335	1.323	1.295	1.268	1.205	1.241	1.137	1.040	1.840	1.895	1.737	1.589	1.509	1.423	1.353	1.279
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										1.319	1.267	1.231	1.200	1.151	1.204	1.165	1.132	1.110	1.093	1.100	1.975	1.815	1.040	1.019	1.016	1.009	1.004	1.001	1.008	1.865
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										1.888	1.787	1.607	1.520	1.420	1.346	1.295	1.314	1.283	1.264	1.211	1.190	1.170	1.226	1.186	1.161	1.139	1.125	1.128	0.987	1.860
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										1.885	1.717	1.571	1.487	1.404	1.336	1.285	1.304	1.273	1.239	1.195	1.145	1.214	1.132	1.100	1.079	1.082	1.089			

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
										0.615	0.589	0.615	0.629	0.639	0.646	0.650	0.651	0.654	0.656	0.658	0.658	0.661	0.665	0.676	0.696	0.535	0.564	0.569	0.587	0.595
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.598	0.611	0.612	0.613	0.615	0.616	0.619	0.621	0.629	0.535	0.944	0.876	0.820	0.784	0.762	0.745	0.734	0.726	0.725	0.719	0.712
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										0.696	0.696	0.660	0.638	0.901	0.840	0.797	0.764	0.744	0.726	0.713	0.705	0.696	0.689	0.684	0.671	0.668	0.632	0.434	1.354	1.665
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
FR1 n66_Ant1	20M/QPSK	354000	1770	1	1	Bottom Side	5mm	1.12	1.890	1.504	1.305	1.145	1.054	0.950	0.883	0.868	0.826	0.797	0.726	0.720	0.568	0.374	0.714	1.184	1.335	1.257	1.139	1.043	0.955	0.881
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										0.870	0.828	0.791	0.733	0.690	0.703	0.658	0.629	0.605	0.591	0.531	1.654	1.306	0.398	0.387	0.383	0.379	0.376	0.375	0.349	1.441
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										1.591	1.384	1.164	1.037	0.935	0.871	0.806	0.794	0.758	0.731	0.693	0.678	0.662	0.674	0.657	0.615	0.596	0.584	0.579	0.375	0.812
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										1.222	1.252	1.127	1.021	1.002	0.838	0.778	0.761	0.754	0.708	0.648	0.614	0.623	0.591	0.579	0.552	0.544	0.536			

Hotspot on