

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

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

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

10672	AAD	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %
10673	AAD	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAD	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAD	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAD	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAD	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAD	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAD	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAD	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAG	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAF	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10684	AAC	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAC	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAE	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAE	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAD	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAE	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAB	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 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	AAC	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAC	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAC	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAC	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAC	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAC	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAC	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10713	AAC	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
10714	AAC	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
10715	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAC	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10717	AAC	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAC	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
10719	AAC	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10720	AAC	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10721	AAC	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAC	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAC	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAC	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAC	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAC	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAC	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %

10728	AAC	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %
10729	AAC	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAC	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAC	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAC	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %
10736	AAC	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAC	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAC	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAC	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAC	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAC	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAC	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAC	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAC	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAC	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAC	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAC	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAC	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
10755	AAC	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAC	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAC	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAC	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAC	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAC	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	± 9.6 %
10767	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAC	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10778	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10780	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %

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

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

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

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



Appendix E. Conducted RF Output Power Table

The detailed power tables are shown as follows.

Full Power Mode for WWAN

GSM850 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	524.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	512.4	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.74	32.10	31.74	33.50	22.74	23.10	22.74	24.50
GPRS 1 Tx slot	31.78	32.18	31.82	33.50	22.78	23.18	22.82	24.50
GPRS 2 Tx slots	29.91	29.83	29.67	31.00	23.91	23.83	23.67	25.00
GPRS 3 Tx slots	28.26	28.38	28.12	29.00	24.00	24.12	23.86	24.74
GPRS 1 Tx slot	26.72	26.81	26.62	28.00	23.72	23.81	23.62	25.00
EDGE 1 Tx slot	25.50	25.64	25.52	26.50	16.50	16.64	16.52	17.50
EDGE 2 Tx slots	24.87	25.01	24.89	26.00	18.87	19.01	18.89	20.00
EDGE 3 Tx slots	23.27	23.34	23.34	24.50	19.01	19.08	19.08	20.24
EDGE 4 Tx slots	21.66	21.65	21.76	22.50	18.66	18.65	18.76	19.50

GSM1900 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.6		1850.2	1880	1909.6	
Frequency (MHz)	1850.2	1880	1909.6		1850.2	1880	1909.6	
GSM 1 Tx slot	29.03	28.87	29.17	30.50	20.03	19.87	20.17	21.50
GPRS 1 Tx slot	29.15	28.94	29.26	30.50	20.15	19.94	20.26	21.50
GPRS 2 Tx slots	26.71	26.44	26.81	28.00	20.71	20.44	20.81	22.00
GPRS 3 Tx slots	25.16	25.36	25.29	26.50	20.90	21.10	21.03	22.24
GPRS 1 Tx slot	23.41	23.76	23.74	24.50	20.41	20.76	20.74	21.50
EDGE 1 Tx slot	24.96	24.93	25.01	26.00	15.96	15.93	16.01	17.00
EDGE 2 Tx slots	23.87	23.96	23.92	25.00	17.87	17.96	17.92	19.00
EDGE 3 Tx slots	22.52	22.62	22.38	23.50	18.26	18.36	18.12	19.24
EDGE 4 Tx slots	20.84	20.97	20.72	22.00	17.84	17.97	17.72	19.00

Band		WCDMA II Ant0			Tune-up Limit (dBm)	WCDMA IV Ant0			Tune-up Limit (dBm)	WCDMA V Ant0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9562	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	22.35	22.41	22.37	24.00	22.30	22.39	22.33	24.00	22.54	22.61	22.55	24.00
3GPP Rel 99	AMR 12.2Kbps	22.46	22.49	22.45	24.00	22.41	22.48	22.45	24.00	22.66	22.69	22.62	24.00
3GPP Rel 6	HSDPA Subtest-1	21.55	21.71	21.57	23.00	21.44	21.48	21.39	23.00	21.71	21.65	21.59	23.00
3GPP Rel 6	HSDPA Subtest-2	21.45	21.77	21.66	23.00	21.39	21.48	21.60	23.00	21.64	21.71	21.65	23.00
3GPP Rel 6	HSDPA Subtest-3	21.13	21.01	21.05	22.50	20.86	20.93	20.95	22.50	21.14	21.22	21.17	22.50
3GPP Rel 6	HSDPA Subtest-4	20.96	21.15	21.13	22.50	20.84	21.02	20.97	22.50	21.21	21.19	21.09	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	21.61	21.77	21.55	23.00	21.58	21.57	21.49	23.00	21.67	21.69	21.61	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.49	21.78	21.63	23.00	21.57	21.69	21.53	23.00	21.66	21.68	21.65	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.08	21.01	21.09	22.50	20.83	20.96	20.97	22.50	21.19	21.14	21.15	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.93	21.17	21.13	22.50	20.74	21.13	21.07	22.50	21.14	21.23	21.16	22.50
3GPP Rel 6	HSUPA Subtest-1	21.51	21.46	21.40	22.50	21.47	21.67	21.52	22.50	21.70	21.69	21.64	22.50
3GPP Rel 6	HSUPA Subtest-2	19.52	19.52	19.51	20.50	19.45	19.47	19.58	20.50	19.64	19.76	19.64	20.50
3GPP Rel 6	HSUPA Subtest-3	20.48	20.46	20.52	21.50	20.35	20.43	20.56	21.50	20.68	20.71	20.64	21.50
3GPP Rel 6	HSUPA Subtest-4	19.63	19.59	19.34	20.50	19.28	19.42	19.74	20.50	19.70	19.75	19.68	20.50
3GPP Rel 6	HSUPA Subtest-5	21.64	21.58	21.43	22.50	21.44	21.51	21.58	22.50	21.72	21.67	21.62	22.50

Band 2 Ant0 (1900MHz Band)													
Part 24E													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turnup Init. (dB)	MPR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	22.35	22.47	22.43			24	0			
20	QPSK	1	49	22.36	22.44	22.44							
20	QPSK	1	99	22.42	22.43	22.44			23	1			
20	QPSK	50	0	21.39	21.63	21.46							
20	QPSK	50	24	21.39	21.60	21.37							
20	QPSK	50	50	21.41	21.61	21.54							
20	16QAM	1	0	21.84	21.91	21.88			23	1			
20	16QAM	1	49	21.81	21.92	21.96							
20	16QAM	1	99	21.98	21.96	21.94			22	2			
20	16QAM	50	0	20.96	20.81	20.96							
20	16QAM	50	24	20.93	20.92	20.90							
20	16QAM	50	50	20.91	20.88	20.74							
20	16QAM	100	0	20.99	20.98	20.90			22	2			
20	64QAM	1	0	20.78	20.71	20.80							
20	64QAM	1	99	20.76	20.73	20.82			21	3			
20	64QAM	50	0	19.85	19.81	19.86							
20	64QAM	50	24	19.87	19.89	19.82							
20	64QAM	50	50	19.83	19.81	19.86							
20	256QAM	1	0	17.62	17.67	17.68			19	5			
20	256QAM	1	49	17.65	17.64	17.64							
20	256QAM	1	99	17.67	17.69	17.69							
20	256QAM	50	0	17.58	17.64	17.64							
20	256QAM	50	24	17.61	17.61	17.59			19	5			
20	256QAM	50	50	17.68	17.63	17.68							
20	256QAM	100	0	17.66	17.62	17.55							
Channel													
Frequency (MHz)													
16	QPSK	1	0	22.21	22.27	22.27			24	0			
16	QPSK	1	31	22.23	22.49	22.31							
16	QPSK	1	74	22.26	22.41	22.40			23	1			
16	QPSK	36	0	21.24	21.55	21.37							
16	QPSK	36	31	21.23	21.48	21.37							
16	QPSK	36	39	21.29	21.49	21.31							
16	QPSK	75	0	21.35	21.42	21.43			23	1			
16	16QAM	1	0	21.66	21.80	21.80							
16	16QAM	1	37	21.77	21.84	21.93			22	2			
16	16QAM	1	74	21.86	21.92	21.92							
16	16QAM	36	0	20.99	20.93	20.98							
16	16QAM	36	20	20.90	20.87	20.93							
16	16QAM	36	49	20.96	20.97	20.97			21	3			
16	16QAM	75	0	19.92	19.49	19.80							
16	64QAM	1	0	20.73	20.60	20.73			22	2			
16	64QAM	1	37	20.75	20.67	20.67							
16	64QAM	1	74	20.68	20.65	20.60			21	3			
16	64QAM	36	0	19.92	19.49	19.80							
16	64QAM	36	49	19.95	19.85	19.84							
16	64QAM	36	39	19.50	19.25	19.53							
16	64QAM	75	0	19.57	19.54	19.62			19	5			
16	256QAM	1	49	17.46	17.43	17.46							
16	256QAM	1	37	17.46	17.54	17.73							
16	256QAM	1	74	17.63	17.63	17.69							
16	256QAM	36	0	17.45	17.45	17.45			19	5			
16	256QAM	36	20	17.54	17.46	17.59							
16	256QAM	36	39	17.64	17.46	17.61			19	5			
16	256QAM	75	0	17.60	17.60	17.54							
Channel													
Frequency (MHz)													
16	QPSK	1	0	22.17	22.18	22.18			24	0			
16	QPSK	1	25	22.00	22.11	22.12							
16	QPSK	1	49	22.13	22.13	22.07			23	1			
16	QPSK	12	0	21.16	21.12	21.13							
16	QPSK	12	7	21.26	21.42	21.33							
16	QPSK	12	13	21.25	21.44	21.30							
16	QPSK	25	0	21.02	21.14	21.04			23	1			
16	16QAM	1	0	21.34	21.48	21.45							
16	16QAM	1	12	21.47	21.36	21.45			22	2			
16	16QAM	1	24	21.53	21.52	21.57							
16	16QAM	12	0	20.11	20.14	20.20							
16	16QAM	12	7	20.06	20.15	20.09							
16	16QAM	12	13	20.16	20.21	20.32			22	2			
16	16QAM	25	0	20.07	20.14	20.15							
16	64QAM	1	0	20.17	20.20	20.27			22	2			
16	64QAM	1	12	20.34	20.34	20.32							
16	64QAM	1	24	20.30	20.29	20.15			21	3			
16	64QAM	12	0	19.12	19.09	19.20							
16	64QAM	12	7	19.10	19.13	19.12							
16	64QAM	12	13	19.08	19.06	19.06							
16	64QAM	25	0	19.21	19.22	19.22			19	5			
16	256QAM	1	49	17.16	17.29	17.30							
16	256QAM	1	12	17.14	17.14	17.29			19	5			
16	256QAM	1	24	17.12	17.15	17.26							
16	256QAM	12	0	17.08	17.16	17.08			19	5			
16	256QAM	12	7	17.22	17.19	17.04							
16	256QAM	12	13	17.16	17.07	17.16			19	5			
16	256QAM	25	0	17.19	17.16	17.27							
Channel													
Frequency (MHz)													
3	QPSK	1	0	22.08	22.25	22.31			24	0			
3	QPSK	1	8	22.14	22.25	22.27							
3	QPSK	1	14	22.16	22.27	22.24			23	1			
3	QPSK	8	0	21.24	21.35	21.32							
3	QPSK	8	4	21.22	21.40	21.14							
3	QPSK	8	7	21.26	21.40	21.34							
3	QPSK	15	0	21.26	21.35	21.35			23	1			
3	16QAM	1	0	21.48	21.67	21.64							
3	16QAM	1	7	21.71	21.79	21.75			22	2			
3	16QAM	1	14	21.80	21.74	21.82							
3	16QAM	8	0	20.92	20.97	20.97							
3	16QAM	8	4	20.90	20.92	20.92							
3	16QAM	8	7	20.43	20.52	20.49			22	2			
3	64QAM	1	0	20.17	20.20	20.27							
3	64QAM	1	7	20.62	20.48	20.49			21	3			
3	64QAM	1	8	20.63	20.69	20.67							
3	64QAM	8	4	20.59	20.56	20.56							
3	64QAM	8	7	19.42	19.43	19.45							
3	64QAM	8	14	19.30	19.38	19.41			19	5			
3	64QAM	15	0	19.37	19.31	19.47							
3	256QAM	1	0	17.17	17.24	17.24			19	5			
3	256QAM	1	14	17.40	17.54	17.48							
3	256QAM	8	0	17.20	17.42	17.45			19	5			
3	256QAM	8	4	17.20	17.44	17.43							
3	256QAM	8	7	17.41	17.41	17.40			19	5			
3	256QAM	15	0	17.24	17.47	17.52							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	22.23	22.26	22.25			24	0			
1.4	QPSK	1	25	22.22	22.29	22.29							
1.4	QPSK	1	49	22.27	22.31	22.30			23	1			
1.4	QPSK	1	74	22.28	22.43	22.43							
1.4	QPSK	36	0	21.23	21.55	21.36							
1.4	QPSK	36	31	21.25	21.49	21.36							
1.4	QPSK	36	39	21.29	21.49	21.31			23	1			
1.4	16QAM	1	0	21.63	21.81	21.80							
1.4	16QAM	1	31	21.72	21.87	21.92			22	2			
1.4	16QAM	1	63	21.71	21.79	21.75							
1.4	16QAM	36	0	21.80	21.74	21.88							
1.4	16QAM	36	20	21.86	21.76	21.81							
1.4	16QAM	36	49	21.90	21.81	21.86			22	2			
1.4	16QAM	75	0	20.47	20.34	20.35							
1.4	64QAM	1	0	20.30	20.32	20.38			21	3			
1.4	64QAM	1	31	20.32	20.39	20.39							
1.4	64QAM	36	0	19.19	19.31	19.36			21	3			
1.4	64QAM	36	20	19.24	19.24	19.24							
1.4	256QAM	1	0	17.15	17.19	17.19			19	5			
1.4	256QAM	1	31	17.15	17.12	17.12							
1.4	256QAM	1	63	17.18	17.08	17.18							
1.4	256QAM	36	0	17.24	17.17	17.17							



Band 12 Ant0 (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.	Turn-up (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
				704	707.5	711			
10	QPSK	1	0	22.71	22.81	22.85			
10	QPSK	1	25	22.71	22.75	22.80	24	0	
10	QPSK	1	49	22.58	22.61	22.65			
10	QPSK	25	0	21.89	21.87	21.80			
10	QPSK	25	12	21.63	21.68	21.71			
10	QPSK	25	25	21.77	21.83	21.84	23	1	
10	QPSK	50	0	21.72	21.76	21.70			
10	16QAM	1	0	21.85	21.91	21.92			
10	16QAM	1	25	22.26	22.21	22.30	23	1	
10	16QAM	1	49	21.87	21.82	21.93			
10	16QAM	25	0	20.79	20.86	20.89			
10	16QAM	25	12	20.71	20.72	20.75	22	2	
10	16QAM	25	25	20.76	20.77	20.80			
10	16QAM	50	0	20.72	20.75	20.83			
10	64QAM	1	0	20.77	20.77	20.73			
10	64QAM	1	25	20.82	20.86	20.90	22	2	
10	64QAM	1	49	20.87	20.76	20.77			
10	64QAM	25	0	19.80	19.85	19.81			
10	64QAM	25	12	19.81	19.76	19.72	21	3	
10	64QAM	25	25	19.79	19.85	19.86			
10	64QAM	50	0	19.69	19.77	19.87			
10	256QAM	1	0	17.84	17.83	17.86			
10	256QAM	1	25	17.75	17.76	17.70	19	5	
10	256QAM	1	49	17.86	17.89	18.07			
10	256QAM	25	0	17.88	17.89	17.86			
10	256QAM	25	12	17.89	17.85	17.87	19	5	
10	256QAM	25	25	17.77	17.71	17.80			
10	256QAM	50	0	17.77	17.77	17.70			
Channel									
Frequency (MHz)									
				701.5	707.5	713.5	Turn-up (dB)	MPR (dB)	
5	QPSK	1	0	22.53	22.56	22.56			
5	QPSK	1	25	22.88	22.81	22.84	24	0	
5	QPSK	1	24	22.51	22.59	22.45			
5	QPSK	12	0	21.53	21.65	21.71			
5	QPSK	12	7	21.48	21.61	21.53	23	1	
5	QPSK	12	13	21.61	21.66	21.70			
5	QPSK	25	0	21.74	21.66	21.72			
5	16QAM	1	0	21.77	21.86	21.75	23	1	
5	16QAM	1	12	22.14	22.08	22.24			
5	16QAM	1	24	21.80	21.89	21.78			
5	16QAM	12	0	20.70	20.71	20.83	22	2	
5	16QAM	12	7	20.68	20.54	20.63			
5	16QAM	12	13	20.76	20.72	20.82			
5	16QAM	25	0	20.64	20.71	20.80			
5	64QAM	1	0	20.70	20.74	20.56	22	2	
5	64QAM	1	12	20.69	20.76	20.70			
5	64QAM	1	24	20.53	20.53	20.74			
5	64QAM	12	0	19.74	19.83	19.75			
5	64QAM	12	7	19.87	19.79	19.85	21	3	
5	64QAM	12	13	19.87	19.85	19.89			
5	64QAM	25	0	19.67	19.62	19.84			
5	256QAM	1	0	17.80	17.80	17.80			
5	256QAM	1	12	17.70	17.59	17.57	19	5	
5	256QAM	1	24	17.80	17.91	17.88			
5	256QAM	12	0	17.84	17.84	17.85			
5	256QAM	12	7	17.72	17.67	17.78	19	5	
5	256QAM	12	13	17.86	17.68	17.86			
5	256QAM	25	0	17.67	17.67	17.71			
Channel									
Frequency (MHz)									
				700.5	707.5	714.5	Turn-up (dB)	MPR (dB)	
3	QPSK	1	0	22.59	22.58	22.72			
3	QPSK	1	8	22.54	22.47	22.65	24	0	
3	QPSK	1	14	22.41	22.37	22.38			
3	QPSK	8	0	21.58	21.67	21.64			
3	QPSK	8	5	21.49	21.48	21.45	23	1	
3	QPSK	8	7	21.69	21.57	21.61			
3	16QAM	1	0	21.59	21.69	21.56			
3	16QAM	1	0	21.72	21.78	21.64	23	1	
3	16QAM	1	8	22.02	22.04	22.06			
3	16QAM	1	14	21.64	21.77	21.76			
3	16QAM	8	0	20.52	20.62	20.70	22	2	
3	16QAM	8	4	20.60	20.49	20.60			
3	16QAM	8	20	20.60	20.64	20.70			
3	16QAM	16	0	20.49	20.62	20.68			
3	64QAM	1	0	20.62	20.59	20.56	22	2	
3	64QAM	1	8	20.70	20.69	20.63			
3	64QAM	1	14	20.48	20.53	20.58			
3	64QAM	8	0	19.58	19.64	19.65	21	3	
3	64QAM	8	4	19.68	19.69	19.40			
3	64QAM	8	7	19.59	19.73	19.73			
3	64QAM	15	0	19.97	19.90	19.61			
3	256QAM	1	0	17.74	17.65	17.72			
3	256QAM	1	8	17.49	17.58	17.49	19	5	
3	256QAM	1	14	17.74	17.76	17.84			
3	256QAM	8	0	17.51	17.49	17.53			
3	256QAM	8	4	17.76	17.72	17.89	19	5	
3	256QAM	8	7	17.94	17.94	17.83			
3	256QAM	15	0	17.67	17.56	17.64			
Channel									
Frequency (MHz)									
				699.7	700.5	713.3	Turn-up (dB)	MPR (dB)	
1.4	QPSK	1	0	22.47	22.43	22.52			
1.4	QPSK	1	3	22.39	22.43	22.55	24	0	
1.4	QPSK	1	5	22.35	22.31	22.34			
1.4	QPSK	3	0	22.55	22.53	22.72			
1.4	QPSK	3	1	22.54	22.47	22.65			
1.4	QPSK	3	3	22.41	22.37	22.38	23	1	
1.4	QPSK	6	0	21.48	21.50	21.48			
1.4	16QAM	1	0	21.61	21.58	21.63			
1.4	16QAM	1	3	21.91	21.86	22.01	23	1	
1.4	16QAM	1	5	21.53	21.59	21.71			
1.4	16QAM	3	0	21.59	21.49	21.58			
1.4	16QAM	3	1	21.72	21.76	21.64			
1.4	16QAM	3	1	22.02	22.04	22.06			
1.4	16QAM	6	0	20.37	20.54	20.51	22	2	
1.4	64QAM	1	0	20.43	20.55	20.49			
1.4	64QAM	1	3	20.59	20.51	20.59			
1.4	64QAM	1	5	20.33	20.45	20.47	22	2	
1.4	64QAM	3	0	20.49	20.62	20.68			
1.4	64QAM	3	1	20.62	20.59	20.56			
1.4	64QAM	3	3	20.79	20.69	20.83			
1.4	64QAM	6	0	19.34	19.44	19.51	21	3	
1.4	256QAM	1	0	17.61	17.66	17.59			
1.4	256QAM	1	3	17.28	17.34	17.15			
1.4	256QAM	1	5	17.51	17.46	17.58	19	5	
1.4	256QAM	3	0	17.94	17.96	17.23			
1.4	256QAM	3	1	17.39	17.29	17.31			
1.4	256QAM	3	1	17.28	17.16	17.26	19	5	
1.4	256QAM	6	0	17.29	17.31	17.30			

Band 13 Ant0(700MHz Band)									
Part 27F									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
				782					
10	QPSK	1	0	22.64	22.64				
10	QPSK	1	25	22.31	22.31		24	0	
10	QPSK	1	49	22.62	22.62				
10	QPSK	25	0	21.61	21.61				
10	QPSK	25	12	21.63	21.63		23	1	
10	QPSK	25	25	21.71	21.71				
10	QPSK	50	0	21.70	21.70				
10	16QAM	1	0	22.11	22.11				
10	16QAM	1	25	22.08	22.08		23	1	
10	16QAM	1	49	22.06	22.06				
10	16QAM	25	0	20.74	20.74				
10	16QAM	25	12	20.51	20.51		22	2	
10	16QAM	25	25	20.59	20.59				
10	16QAM	50	0	20.63	20.63				
10	64QAM	1	0	20.77	20.77				
10	64QAM	1	25	20.85	20.85		22	2	
10	64QAM	1	49	20.75	20.75				
10	64QAM	25	0	19.69	19.69				
10	64QAM	25	12	19.83	19.83		21	3	
10	64QAM	25	25	19.83	19.83				
10	64QAM	50	0	19.61	19.61				
10	256QAM	1	0	17.71	17.71				
10	256QAM	1	25	17.77	17.77		19	5	
10	256QAM	1	49	17.65	17.65				
10	256QAM	25	0	17.67	17.67				
10	256QAM	25	12	17.61	17.61		19	5	
10	256QAM	25	25	17.65	17.65				
10	256QAM	50	0	17.61	17.61				
Channel									
Frequency (MHz)									
				779.5	779.5	784.5			
5	QPSK	1	0	22.49	22.49	22.49			
5	QPSK	1	12	22.88	22.34	22.32		24	0
5	QPSK	1	24	23.12	22.38	22.38			
5	QPSK	12	0	21.33	21.33	21.33			
5	QPSK	12	7	21.46	21.46	21.51		23	1
5	QPSK	12	14	21.71	21.43	21.43			
5	QPSK	25	0	21.54	21.55	21.55			
5	16QAM	1	0	21.93	21.96	21.96			
5	16QAM	1	12	21.76	21.83	21.83		23	1
5	16QAM	1	24	21.83	21.89	21.89			
5	16QAM	12	0	20.58	20.60	20.63			
5	16QAM	12	7	20.58	20.57	20.61		22	2
5	16QAM	12	13	20.39	20.45	20.45			
5	16QAM	25	0	20.46	20.46	20.55			
5	16QAM	25	12	20.50	20.57	20.53		22	2
5	16QAM	1	12	20.59	20.57	20.60			
5	16QAM	1	24	20.53	20.57	20.63			
5	16QAM	1	36	19.40	19.45	19.47			
5	16QAM	12	7	19.41	19.41	19.42		21	3
5	16QAM	12	13	19.35	19.39	19.43			
5	16QAM	1	36	18.47	18.47	18.52			
5	256QAM	1	0	17.36	17.35	17.42			
5	256QAM	1	12	17.36	17.32	17.38		19	5
5	256QAM	1	24	17.18	17.22	17.28			
5	256QAM	12	0	17.36	17.32	17.34		19	5
5	256QAM	12	7	17.12	17.15	17.18			
5	256QAM	1	36	17.23	17.23	17.28		19	5
5	256QAM	25	0	17.21	17.28	17.28			

Band 26 Ant0 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.	Turn-up limit (dBm)	MPR (dB)				
Channel												
811.5 811.5 811.5												
15	QPSK	1	0	22.75	22.81	22.74	24	0				
15	QPSK	1	37	22.63	22.66	22.63						
15	QPSK	1	74	22.65	22.63	22.64						
15	QPSK	36	0	21.72	21.70	21.68						
15	QPSK	36	20	21.70	21.70	21.70	23	1				
15	QPSK	36	39	21.66	21.61	21.79						
15	QPSK	75	0	21.77	21.75	21.75						
15	16QAM	1	0	22.14	22.15	22.24						
15	16QAM	1	37	21.58	21.59	22.00	23	1				
15	16QAM	1	74	21.84	22.01	22.00						
15	16QAM	36	0	20.86	20.87	20.96						
15	16QAM	36	20	20.81	20.81	20.78						
15	16QAM	36	39	20.79	20.79	20.78	22	2				
15	16QAM	75	0	20.79	20.79	20.81						
15	64QAM	1	0	21.01	20.99	21.62						
15	64QAM	1	37	20.63	20.66	20.96						
15	64QAM	1	74	20.76	20.78	20.74	21	3				
15	64QAM	36	0	19.89	19.85	19.90						
15	64QAM	36	20	19.69	19.67	20.00						
15	64QAM	36	39	19.92	19.89	19.83						
15	256QAM	1	0	17.65	17.67	17.86	19	5				
15	256QAM	1	37	16.03	16.07	16.03						
15	256QAM	1	74	17.80	17.79	18.03						
15	256QAM	36	0	17.73	17.79	17.86						
15	256QAM	36	20	17.81	17.77	17.82	19	5				
15	256QAM	36	39	17.87	17.83	17.84						
15	256QAM	75	0	17.75	17.73	17.82						
15	256QAM	75	0	17.76	17.79	17.73						
Channel												
26105 26865 27005												
10	QPSK	1	0	22.58	22.63	22.52	24	0				
10	QPSK	1	25	22.36	22.40	22.40						
10	QPSK	1	49	22.41	22.42	22.51						
10	QPSK	25	0	21.49	21.54	21.66						
10	QPSK	25	12	21.44	21.58	21.58	23	1				
10	QPSK	25	25	21.62	21.64	21.54						
10	QPSK	50	0	21.64	21.67	21.56						
10	16QAM	1	0	21.91	21.88	21.99						
10	16QAM	1	25	21.75	21.75	21.75	23	1				
10	16QAM	1	49	21.78	21.75	21.86						
10	16QAM	25	0	20.65	20.68	20.81						
10	16QAM	25	12	20.65	20.61	20.63						
10	16QAM	25	25	20.66	20.66	20.67	22	2				
10	16QAM	50	0	20.58	20.59	20.60						
10	64QAM	1	0	20.88	20.83	20.89						
10	64QAM	1	25	20.58	20.62	20.63						
10	64QAM	1	49	20.93	20.92	20.92	22	2				
10	64QAM	25	0	19.67	19.72	19.72						
10	64QAM	25	12	19.70	19.70	19.70						
10	64QAM	25	25	19.77	19.69	19.59						
10	256QAM	1	0	19.65	19.67	19.63	19	5				
10	256QAM	1	25	17.81	17.85	17.80						
10	256QAM	1	49	17.71	17.74	17.80						
10	256QAM	25	0	17.47	17.54	17.51						
10	256QAM	25	12	17.58	17.58	17.67	19	5				
10	256QAM	25	25	17.80	17.61	17.61						
10	256QAM	50	0	17.63	17.63	17.67						
10	256QAM	50	0	17.63	17.63	17.67						
Channel												
26115 26865 27015												
5	QPSK	1	0	22.44	22.41	22.39	24	0				
5	QPSK	1	12	22.26	22.40	22.25						
5	QPSK	1	26	22.43	22.39	22.29						
5	QPSK	12	0	21.43	21.48	21.67						
5	QPSK	12	7	21.47	21.48	21.33	23	1				
5	QPSK	12	13	21.63	21.47	21.62						
5	QPSK	36	0	21.43	21.47	21.48						
5	16QAM	1	0	21.87	21.89	21.87						
5	16QAM	1	12	21.65	21.68	21.66	23	1				
5	16QAM	1	24	21.72	21.70	21.68						
5	16QAM	12	0	20.54	20.54	20.58						
5	16QAM	12	7	20.55	20.53	20.49						
5	16QAM	12	13	20.51	20.46	20.54	22	2				
5	16QAM	25	0	20.54	20.47	20.43						
5	64QAM	1	0	20.67	20.72	20.78						
5	64QAM	1	12	20.47	20.53	20.68						
5	64QAM	1	24	20.54	20.52	20.47	21	3				
5	64QAM	12	0	19.61	19.59	19.67						
5	64QAM	12	7	19.58	19.58	19.71						
5	64QAM	12	13	19.55	19.52	19.52						
5	64QAM	25	0	19.47	19.54	19.43	19	5				
5	256QAM	1	0	17.65	17.68	17.65						
5	256QAM	1	12	17.68	17.65	17.74						
5	256QAM	1	24	17.84	17.68	17.76						
5	256QAM	12	0	17.45	17.52	17.69	19	5				
5	256QAM	12	7	17.50	17.48	17.47						
5	256QAM	12	13	17.49	17.46	17.50						
5	256QAM	25	0	17.48	17.44	17.43						
Channel												
26105 26865 27005												
3	QPSK	1	0	22.47	22.42	22.45	24	0				
3	QPSK	1	8	22.26	22.31	22.33						
3	QPSK	1	14	22.36	22.32	22.36						
3	QPSK	8	0	21.40	21.46	21.67						
3	QPSK	8	4	21.48	21.52	21.34	23	1				
3	QPSK	15	0	21.52	21.49	21.48						
3	16QAM	1	0	21.79	21.82	21.86						
3	16QAM	1	8	21.63	21.65	21.74						
3	16QAM	1	14	21.69	21.65	21.67	23	1				
3	16QAM	8	0	20.51	20.63	20.57						
3	16QAM	8	4	20.56	20.50	20.39						
3	16QAM	8	7	20.38	20.41	20.41						
3	16QAM	15	0	20.48	20.49	20.53	22	2				
3	64QAM	1	0	20.64	20.74	20.70						
3	64QAM	1	7	20.60	20.64	20.64						
3	64QAM	1	14	20.46	20.51	20.51						
3	64QAM	8	0	19.55	19.63	19.59	21	3				
3	64QAM	8	4	19.64	19.59	19.67						
3	64QAM	8	7	19.59	19.57	19.52						
3	64QAM	15	0	19.47	19.44	19.44						
3	256QAM	1	0	17.62	17.66	17.59	19	5				
3	256QAM	1	8	17.78	17.68	17.71						
3	256QAM	1	14	17.58	17.75	17.75						
3	256QAM	8	0	17.42	17.56	17.40						
3	256QAM	8	7	17.49	17.46	17.59	19	5				
3	256QAM	8	14	17.53	17.48	17.47						
3	256QAM	15	0	17.43	17.46	17.47						
Channel												
26697 26865 27063												
1.4	QPSK	1	0	22.37	22.40	22.39	24	0				
1.4	QPSK	1	3	22.27	22.21	22.16						
1.4	QPSK	1	5	22.21	22.30	22.28						
1.4	QPSK	3	0	21.47	21.42	21.45						
1.4	QPSK	3	1	22.26	22.31	22.33	23	1				
1.4	QPSK	3	3	22.36	22.32	22.36						
1.4	QPSK	3	5	21.43	21.42	21.38						
1.4	16QAM	1	0	21.80	21.70	21.78						
1.4	16QAM	1	3	21.56	21.54	21.64	23	1				
1.4	16QAM	1	5	21.54	21.66	21.57						
1.4	16QAM	3	0	21.52	21.49	21.46						
1.4	16QAM	3	1	21.79	21.62	21.69	22	2				
1.4	16QAM	3	3	21.43	21.65	21.47						
1.4	16QAM	6	0	20.48	20.46	20.46						
1.4	16QAM	6	1	20.62	20.45	20.45						
1.4	16QAM	6	3	20.47	20.54	20.55	22	2				
1.4	16QAM	1	6	20.48	20.34	20.28						
1.4	16QAM	3	6	20.48	20.49	20.53						
1.4	16QAM	3	9	20.48	20.47	20.51						
1.4	16QAM	3	1	20.38	20.44	20.41	21	3				
1.4	16QAM	3	3	20.48	20.49	20.53						
1.4	16QAM	3	5	20.48	20.47	20.51						
1.4	16QAM	3	7	20.48	20.47	20.51						
1.4	16QAM	3	1	17.47	17.36	17.38	19	5				
1.4	16QAM	1	1	17.47	17.63	17.68						
1.4	16QAM	1	3	17.43	17.60	17.64						
1.4	16QAM	1	5	17.43	17.60	17.64						
1.4	16QAM	3	1	17.17	17.21	17.21	19	5				
1.4	16QAM	3	3	17.24	17.30	17.34						
1.4	16QAM	3	5	17.24	17.38	17.39						
1.4	16QAM	6	1	17.32	17.21	17.25						

Band 4 Ant1 ENDC (AWS Band) Part 27L (only on channel required)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	Turn-off Init. (dB)	MPE (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.64	22.68	22.68	22.68			
20	QPSK	1	49	22.65	22.62	22.64	22.64	24	0	
20	QPSK	1	99	22.68	22.67	22.64	22.64			
20	QPSK	50	0	21.58	21.60	21.61	21.61			
20	QPSK	50	24	21.66	21.65	21.68	21.68	23	1	
20	QPSK	50	50	21.70	21.63	21.63	21.63			
20	QPSK	100	0	21.54	21.60	21.68	21.68			
20	16QAM	50	0	21.68	21.70	21.70	21.70	23	1	
20	16QAM	1	49	21.73	21.68	21.75	21.75			
20	16QAM	1	99	21.68	21.72	21.84	21.84			
20	16QAM	50	0	20.71	20.80	20.73	20.73	22	2	
20	16QAM	50	24	20.76	20.85	20.70	20.70			
20	16QAM	50	50	20.83	20.89	20.80	20.80			
20	16QAM	100	0	20.82	20.74	20.55	20.55	21	3	
20	64QAM	1	0	20.59	20.70	20.73	20.73			
20	64QAM	1	49	20.48	20.61	20.40	20.40	22	2	
20	64QAM	50	0	20.56	20.62	20.49	20.49			
20	64QAM	50	0	19.62	19.70	19.57	19.57			
20	64QAM	50	24	19.75	19.77	19.68	19.68	21	3	
20	64QAM	50	50	19.84	19.90	19.81	19.81			
20	256QAM	1	0	17.41	17.46	17.37	17.37	19	5	
20	256QAM	1	49	17.27	17.30	17.20	17.20			
20	256QAM	1	99	17.40	17.38	17.27	17.27			
20	256QAM	50	0	17.50	17.50	17.40	17.40	19	5	
20	256QAM	50	24	17.51	17.61	17.60	17.60			
20	256QAM	50	50	17.40	17.59	17.51	17.51			
20	256QAM	100	0	17.43	17.50	17.42	17.42	19	5	
Channel										
Frequency (MHz)										
18	QPSK	1	0	22.60	22.64	22.48	22.48			
18	QPSK	1	37	22.36	22.34	22.24	22.24	24	0	
18	QPSK	1	74	22.50	22.56	22.66	22.66			
18	QPSK	36	0	21.55	21.67	21.63	21.63			
18	QPSK	36	24	21.62	21.71	21.60	21.60	23	1	
18	QPSK	36	39	21.37	21.64	21.52	21.52			
18	QPSK	75	0	21.61	21.74	21.70	21.70			
18	16QAM	1	0	21.52	21.66	21.51	21.51	23	1	
18	16QAM	1	37	21.58	21.70	21.58	21.58			
18	16QAM	1	74	21.64	21.76	21.67	21.67			
18	16QAM	36	0	20.55	20.72	20.60	20.60	22	2	
18	16QAM	36	20	20.66	20.79	20.63	20.63			
18	16QAM	36	39	20.62	20.80	20.65	20.65			
18	16QAM	75	0	20.40	20.60	20.53	20.53	21	3	
18	64QAM	1	0	20.43	20.68	20.48	20.48			
18	64QAM	1	37	20.57	20.63	20.47	20.47	22	2	
18	64QAM	1	74	20.47	20.67	20.59	20.59			
18	64QAM	36	0	19.63	19.72	19.41	19.41	21	3	
18	64QAM	36	20	19.65	19.76	19.54	19.54			
18	64QAM	36	39	19.52	19.67	19.53	19.53			
18	64QAM	75	0	19.45	19.66	19.40	19.40	19	5	
18	256QAM	1	0	17.41	17.46	17.35	17.35	19	5	
18	256QAM	1	37	17.21	17.30	17.15	17.15			
18	256QAM	1	74	17.29	17.40	17.48	17.51			
18	256QAM	36	0	17.46	17.50	17.40	17.40	19	5	
18	256QAM	36	20	17.38	17.50	17.50	17.50			
18	256QAM	36	39	17.43	17.50	17.47	17.47	19	5	
18	256QAM	75	0	17.38	17.38	17.27	17.27			
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.64	22.68	22.68	22.68			
20	QPSK	1	25	22.48	22.42	22.35	22.35	24	0	
20	QPSK	1	49	22.44	22.48	22.43	22.43			
20	QPSK	25	0	21.58	21.60	21.60	21.60	23	1	
20	QPSK	25	12	21.59	21.70	21.68	21.68			
20	QPSK	25	25	21.49	21.61	21.54	21.54			
20	QPSK	50	0	21.68	21.70	21.70	21.70	23	1	
20	16QAM	1	0	21.58	21.57	21.57	21.57			
20	16QAM	1	28	21.67	21.51	21.57	21.57	23	1	
20	16QAM	1	49	21.64	21.66	21.68	21.68			
20	16QAM	25	0	20.61	20.54	20.57	20.57	22	2	
20	16QAM	25	12	20.57	20.64	20.60	20.60			
20	16QAM	25	12	20.60	20.66	20.65	20.65			
20	16QAM	50	0	20.50	20.50	20.50	20.50	21	3	
20	16QAM	1	0	20.62	20.60	20.65	20.65			
20	64QAM	1	24	20.38	20.40	20.40	20.40	22	2	
20	64QAM	1	49	20.47	20.53	20.37	20.37			
20	64QAM	25	0	19.48	19.58	19.47	19.47	21	3	
20	64QAM	25	12	19.46	19.57	19.56	19.56			
20	64QAM	25	25	19.49	19.67	19.54	19.54			
20	64QAM	50	0	19.49	19.49	19.56	19.56			
20	256QAM	1	0	17.48	17.46	17.35	17.35	19	5	
20	256QAM	1	28	17.23	17.30	17.15	17.15			
20	256QAM	1	49	17.31	17.46	17.55	17.55			
20	256QAM	25	0	17.33	17.50	17.47	17.47	19	5	
20	256QAM	25	12	17.39	17.47	17.47	17.47			
20	256QAM	25	25	17.44	17.43	17.45	17.45			
20	256QAM	50	0	17.30	17.37	17.37	17.37	19	5	
Channel										
Frequency (MHz)										
18	QPSK	1	0	22.67	22.62	22.62	22.62			
18	QPSK	1	12	22.49	22.45	22.47	22.47	24	0	
18	QPSK	1	24	22.54	22.52	22.45	22.45			
18	QPSK	12	0	21.59	21.78	21.69	21.69	23	1	
18	QPSK	12	7	21.54	21.60	21.60	21.60			
18	QPSK	12	13	21.38	21.55	21.44	21.44			
18	QPSK	25	0	21.48	21.60	21.55	21.55	23	1	
18	16QAM	1	0	21.62	21.68	21.44	21.44			
18	16QAM	1	12	21.51	21.61	21.70	21.70	23	1	
18	16QAM	1	24	21.67	21.72	21.87	21.87			
18	16QAM	12	0	20.56	20.69	20.80	20.80	22	2	
18	16QAM	12	7	20.61	20.83	20.78	20.78			
18	16QAM	12	13	20.55	20.66	20.76	20.76			
18	16QAM	25	0	20.51	20.64	20.41	20.41	21	3	
18	64QAM	1	0	20.46	20.60	20.62	20.62	22	2	
18	64QAM	1	12	20.50	20.58	20.41	20.41			
18	64QAM	1	24	20.38	20.50	20.48	20.48			
18	64QAM	12	0	19.59	19.56	19.54	19.54	21	3	
18	64QAM	12	7	19.60	19.76	19.69	19.69			
18	64QAM	12	13	19.47	19.64	19.45	19.45			
18	64QAM	25	0	19.46	19.48	19.40	19.40			
18	256QAM	1	0	17.40	17.47	17.36	17.36	19	5	
18	256QAM	1	12	17.25	17.25	17.12	17.12			
18	256QAM	1	24	17.22	17.46	17.51	17.51			
18	256QAM	12	0	17.44	17.50	17.51	17.51			
18	256QAM	12	7	17.50	17.49	17.55	17.55			
18	256QAM	12	13	17.46	17.48	17.50	17.50			
18	256QAM	25	0	17.37	17.44	17.40	17.40	19	5	
Channel										
Frequency (MHz)										
18	QPSK	1	0	22.48	22.50	22.45	22.45			
18	QPSK	1	8	22.31	22.42	22.36	22.36	24	0	
18	QPSK	1	14	22.47	22.54	22.40	22.40			
18	QPSK	8	0	21.53	21.58	21.53	21.53	23	1	
18	QPSK	8	4	21.59	21.63	21.66	21.66			
18	QPSK	8	7	21.37	21.63	21.36	21.36			
18	QPSK	16	0	21.49	21.69	21.42	21.42	23	1	
18	16QAM	1	0	21.61	21.65	21.50	21.50			
18	16QAM	1	8	21.51	21.64	21.61	21.61	23	1	
18	16QAM	1	14	21.64	21.66	21.67	21.67			
18	16QAM	8	0	20.59	20.68	20.55	20.55	22	2	
18	16QAM	8	4	20.65	20.87	20.72	20.72			
18	16QAM	8	7	20.58	20.56	20.48	20.48			
18	16QAM	16	0	20.36	20.45	20.46	20.46	22	2	
18	64QAM	1	0	20.43	20.69	20.66	20.66			
18	64QAM	1								
18	64QAM	1	8	20.45	20.49	20.27	20.27	22	2	
18	64QAM	1	14	20.38	20.52	20.42	20.42			
18	64QAM	8	0	19.53	19.69	19.63	19.63	21	3	
18	64QAM	8	4	19.67	19.82	19.67	19.67			
18	64QAM	8	7	19.54	19.51	19.42	19.42			
18	256QAM	1	0	17.44	17.59	17.52	17.52	19	5	
18	256QAM	1	8	17.25	17.25	17.12	17.12			
18	256QAM	1	14	17.29	17.44	17.47	17.47			
18	256QAM	8	0	17.38	17.58	17.41	17.41			
18	256QAM	8	4	17.41	17.55	17.56	17.56			
18	256QAM	8	7	17.32	17.42	17.38	17.38	19	5	
18	256QAM	16	0	17.27	17.54	17.46	17.46			
Channel										
Frequency (MHz)										
1.4	QPSK									

Band 38 Ant1 ENDC(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	24	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.21	22.37	22.16	23	1	
20	QPSK	1	49	22.10	22.18	22.13			
20	QPSK	1	99	22.10	22.22	22.11	23	1	
20	QPSK	50	0	22.00	22.16	21.95			
20	QPSK	50	24	22.05	22.13	22.08	23	1	
20	QPSK	50	50	21.97	22.08	21.95			
20	QPSK	100	0	21.95	22.11	21.95	23	1	
20	16QAM	1	0	21.86	22.01	21.94			
20	16QAM	1	49	22.01	22.10	22.04	22	2	
20	16QAM	1	99	22.07	22.09	22.04			
20	16QAM	50	0	21.08	21.17	21.05	22	2	
20	16QAM	50	24	21.09	21.24	21.10			
20	16QAM	50	50	21.12	21.20	21.07	22	2	
20	16QAM	100	0	21.10	21.15	21.04			
20	64QAM	1	0	21.11	21.17	21.10	22	2	
20	64QAM	1	49	20.89	20.93	20.83			
20	64QAM	1	99	21.12	21.23	21.11	21	3	
20	64QAM	50	0	20.00	20.15	19.99			
20	64QAM	50	24	20.11	20.18	20.10	21	3	
20	64QAM	50	50	20.04	20.17	20.08			
20	64QAM	100	0	20.00	20.07	20.02	19	5	
20	256QAM	1	0	18.24	18.27	18.25			
20	256QAM	1	49	18.00	18.12	18.11	19	5	
20	256QAM	1	99	17.91	18.06	17.92			
20	256QAM	50	0	18.08	18.10	17.99	19	5	
20	256QAM	50	24	18.03	18.09	17.93			
20	256QAM	50	50	18.01	18.06	17.98	20	256QAM	100
20	256QAM	100	0	18.09	18.11	17.94			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	24	0	
15	QPSK	1	0	22.21	22.27	22.06			
15	QPSK	1	37	22.08	22.03	22.02	23	1	
15	QPSK	1	74	22.00	22.13	22.07			
15	QPSK	36	0	21.93	22.05	21.84	23	1	
15	QPSK	36	20	21.97	22.09	21.97			
15	QPSK	36	39	21.90	22.03	21.81	23	1	
15	QPSK	75	0	21.83	22.01	21.81			
15	16QAM	1	0	21.73	21.91	21.89	22	2	
15	16QAM	1	37	21.90	22.00	21.89			
15	16QAM	1	74	21.98	21.94	21.90	22	2	
15	16QAM	36	0	21.03	21.09	20.99			
15	16QAM	36	20	21.02	21.16	21.00	21	3	
15	16QAM	36	39	21.00	21.05	20.93			
15	16QAM	75	0	20.96	21.07	20.89	22	2	
15	64QAM	1	0	21.06	21.07	20.98			
15	64QAM	1	37	20.73	20.86	20.79	21	3	
15	64QAM	1	74	20.96	21.15	20.99			
15	64QAM	36	0	19.87	20.05	19.83	19	5	
15	64QAM	36	20	20.06	20.06	20.03			
15	64QAM	36	39	20.00	20.01	19.98	19	5	
15	64QAM	75	0	19.91	19.97	19.88			
15	256QAM	1	0	18.20	18.24	18.10	15	256QAM	75
15	256QAM	1	37	17.90	18.09	18.08			
15	256QAM	1	74	17.77	17.91	17.91	15	256QAM	75
15	256QAM	36	0	18.03	18.00	17.92			
15	256QAM	36	20	17.88	17.96	17.88	15	256QAM	75
15	256QAM	36	39	17.84	17.96	17.91			
15	256QAM	75	0	18.07	18.07	17.85	Tune-up limit (dBm)	MPR (dB)	
Channel				37800	38000	38200	24	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.24	22.33	22.05	23	1	
10	QPSK	1	25	22.04	22.13	22.08			
10	QPSK	1	49	22.08	22.14	22.02	23	1	
10	QPSK	25	0	21.94	22.08	21.90			
10	QPSK	25	12	21.99	21.98	22.00	23	1	
10	QPSK	25	25	21.93	21.95	21.85			
10	QPSK	50	0	21.83	21.99	21.82	23	1	
10	16QAM	1	0	21.76	21.95	21.86			
10	16QAM	1	25	21.90	21.99	21.97	22	2	
10	16QAM	1	49	21.94	22.04	21.88			
10	16QAM	25	0	20.94	21.10	20.97	22	2	
10	16QAM	25	12	20.93	21.09	21.00			
10	16QAM	25	25	20.96	21.09	20.98	22	2	
10	16QAM	50	0	20.96	21.06	20.93			
10	64QAM	1	0	20.99	21.06	20.95	22	2	
10	64QAM	1	25	20.78	20.84	20.68			
10	64QAM	1	49	21.03	21.08	21.02	21	3	
10	64QAM	25	0	19.89	20.07	19.86			
10	64QAM	25	12	19.98	20.11	20.00	19	5	
10	64QAM	25	25	19.96	20.09	20.04			
10	64QAM	50	0	19.94	19.94	19.88	19	5	
10	256QAM	1	0	18.14	18.16	18.24			
10	256QAM	1	25	17.97	18.03	17.94	19	5	
10	256QAM	1	49	17.79	17.98	17.83			
10	256QAM	25	0	18.02	18.06	17.94	19	5	
10	256QAM	25	12	18.00	18.00	17.80			
10	256QAM	25	25	17.94	17.92	17.88	20	256QAM	50
10	256QAM	50	0	18.08	17.96	17.94			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	24	0	
5	QPSK	1	0	22.17	22.24	22.10			
5	QPSK	1	12	22.06	22.12	22.08	23	1	
5	QPSK	1	24	22.08	22.17	22.09			
5	QPSK	12	0	21.87	22.02	21.82	23	1	
5	QPSK	12	7	21.90	22.08	21.97			
5	QPSK	12	13	21.83	21.98	21.87	23	1	
5	QPSK	25	0	21.82	22.02	21.80			
5	16QAM	1	0	21.72	21.90	21.86	23	1	
5	16QAM	1	12	21.94	22.03	21.98			
5	16QAM	1	24	21.98	21.95	21.99	22	2	
5	16QAM	12	0	21.03	21.03	20.90			
5	16QAM	12	7	21.01	21.14	21.04	22	2	
5	16QAM	12	13	21.01	21.09	21.01			
5	16QAM	25	0	21.03	21.06	21.00	22	2	
5	64QAM	1	0	21.04	21.10	20.99			
5	64QAM	1	12	20.77	20.86	20.77	21	3	
5	64QAM	1	24	21.03	21.16	20.96			
5	64QAM	12	0	19.86	20.01	19.88	19	5	
5	64QAM	12	7	20.04	20.12	19.97			
5	64QAM	12	13	19.92	20.10	19.96	19	5	
5	64QAM	25	0	19.94	20.02	19.90			
5	256QAM	1	0	18.19	18.12	18.23	19	5	
5	256QAM	1	12	17.98	17.98	18.00			
5	256QAM	1	24	17.90	17.97	17.87	19	5	
5	256QAM	12	0	18.02	17.97	17.98			
5	256QAM	12	7	17.95	18.03	17.79	19	5	
5	256QAM	12	13	18.00	17.91	17.88			
5	256QAM	25	0	18.09	17.97	17.85	Tune-up limit (dBm)	MPR (dB)	

Band 41 Ant1 ENDC (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	23.15	23.11	23.21	23.17	23.13	24	0
20	QPSK	1	49	23.08	22.95	23.16	23.07	23.09		
20	QPSK	1	99	22.98	22.98	23.05	22.92	22.97		
20	QPSK	50	0	22.33	22.33	22.41	22.21	22.31	23	1
20	QPSK	50	24	22.21	22.22	22.30	22.15	22.16		
20	QPSK	50	50	22.16	22.17	22.32	22.28	22.24		
20	QPSK	100	0	22.21	22.22	22.37	22.19	22.23	23	1
20	16QAM	1	0	22.18	22.25	22.31	22.27	22.25		
20	16QAM	1	49	22.32	22.16	22.25	22.20	22.32		
20	16QAM	1	99	22.32	22.31	22.29	22.32	22.26	22	2
20	16QAM	50	0	21.48	21.46	21.57	21.42	21.48		
20	16QAM	50	24	21.45	21.47	21.53	21.41	21.40		
20	16QAM	50	50	21.54	21.52	21.66	21.51	21.60	22	2
20	16QAM	100	0	21.51	21.52	21.63	21.59	21.58		
20	64QAM	1	0	21.40	21.47	21.51	21.44	21.38		
20	64QAM	1	49	21.43	21.51	21.44	21.39	21.37	22	2
20	64QAM	1	99	21.51	21.51	21.64	21.48	21.50		
20	64QAM	50	0	20.56	20.56	20.63	20.57	20.58		
20	64QAM	50	24	20.49	20.50	20.60	20.52	20.52	21	3
20	64QAM	50	50	20.57	20.56	20.72	20.58	20.64		
20	64QAM	100	0	20.65	20.56	20.70	20.64	20.56		
20	256QAM	1	0	18.01	18.07	18.14	18.04	18.08	19	5
20	256QAM	1	49	17.96	17.99	18.06	17.91	17.88		
20	256QAM	1	99	18.02	18.12	18.16	18.06	18.04		
20	256QAM	50	0	18.11	18.21	18.21	18.13	18.18	19	5
20	256QAM	50	24	17.87	17.92	18.05	17.97	18.03		
20	256QAM	50	50	18.15	18.10	18.19	18.12	18.19		
20	256QAM	100	0	17.96	18.06	18.13	18.09	17.97		
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	23.02	23.03	23.11	23.02	22.99	24.00	0
15	QPSK	1	37	22.96	22.89	23.07	22.98	23.04		
15	QPSK	1	74	22.87	22.82	22.98	22.84	22.93		
15	QPSK	36	0	22.22	22.23	22.35	22.08	22.17	23	1
15	QPSK	36	20	22.05	22.08	22.19	22.10	22.02		
15	QPSK	36	39	22.12	22.06	22.26	22.21	22.08		
15	QPSK	75	0	22.17	22.16	22.33	22.03	22.08	23	1
15	16QAM	1	0	22.09	22.15	22.16	22.16	22.11		
15	16QAM	1	37	22.18	22.00	22.20	22.11	22.26		
15	16QAM	1	74	22.25	22.23	22.14	22.23	22.17	22	2
15	16QAM	36	0	21.39	21.37	21.43	21.28	21.34		
15	16QAM	36	20	21.40	21.38	21.43	21.25	21.28		
15	16QAM	36	39	21.40	21.40	21.59	21.42	21.44	22	2
15	16QAM	75	0	21.41	21.42	21.58	21.48	21.47		
15	64QAM	1	0	21.25	21.43	21.47	21.32	21.29		
15	64QAM	1	37	21.30	21.45	21.29	21.35	21.25	22	2
15	64QAM	1	74	21.43	21.38	21.55	21.33	21.43		
15	64QAM	36	0	20.43	20.51	20.50	20.48	20.49		
15	64QAM	36	20	20.44	20.43	20.49	20.47	20.47	21	3
15	64QAM	36	39	20.50	20.46	20.58	20.51	20.56		
15	64QAM	75	0	20.58	20.50	20.55	20.55	20.40		
15	256QAM	1	0	17.86	17.96	18.06	17.90	17.95	19	5
15	256QAM	1	37	17.94	17.95	17.95	17.82	17.87		
15	256QAM	1	74	17.99	18.06	18.11	17.91	17.89		
15	256QAM	36	0	17.96	18.19	18.09	18.09	18.03	19	5
15	256QAM	36	20	17.79	17.90	17.90	17.84	17.93		
15	256QAM	36	39	18.05	18.06	18.07	18.09	18.11		
15	256QAM	75	0	17.95	18.02	17.96	18.02	17.81		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.08	22.95	23.17	23.06	23.06	24.00	0
10	QPSK	1	25	22.99	22.81	23.02	22.92	23.03		
10	QPSK	1	49	22.85	22.88	22.92	22.78	22.86		
10	QPSK	25	0	22.26	22.29	22.35	22.07	22.23	23	1
10	QPSK	25	12	22.06	22.17	22.25	22.06	22.07		
10	QPSK	25	25	22.05	22.08	22.19	22.21	22.13		
10	QPSK	50	0	22.11	22.15	22.32	22.09	22.12	23	1
10	16QAM	1	0	22.09	22.10	22.27	22.21	22.12		
10	16QAM	1	25	22.24	22.00	22.13	22.07	22.18		
10	16QAM	1	49	22.25	22.16	22.23	22.26	22.18	22	2
10	16QAM	25	0	21.33	21.39	21.44	21.27	21.43		
10	16QAM	25	12	21.36	21.37	21.47	21.34	21.36		
10	16QAM	25	25	21.40	21.44	21.57	21.46	21.51	22	2
10	16QAM	50	0	21.37	21.43	21.50	21.46	21.41		
10	64QAM	1	0	21.34	21.33	21.47	21.29	21.33		
10	64QAM	1	25	21.29	21.39	21.40	21.29	21.28	22	2
10	64QAM	1	49	21.36	21.36	21.53	21.43	21.44		
10	64QAM	25	0	20.49	20.48	20.58	20.50	20.48		
10	64QAM	25	12	20.38	20.45	20.52	20.38	20.37	21	3
10	64QAM	25	25	20.43	20.44	20.67	20.46	20.58		
10	64QAM	50	0	20.53	20.42	20.62	20.60	20.48		
10	256QAM	1	0	17.92	17.95	18.13	18.00	18.06	19	5
10	256QAM	1	25	17.79	17.82	18.02	17.90	17.77		
10	256QAM	1	49	17.92	17.99	18.04	17.91	18.00		
10	256QAM	25	0	18.08	18.16	18.11	18.04	18.02	19	5
10	256QAM	25	12	17.81	17.84	17.90	17.80	18.01		
10	256QAM	25	25	17.99	18.07	18.08	17.97	18.10		
10	256QAM	50	0	17.92	17.95	17.95	17.94	17.87		
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	23.00	22.99	23.09	23.04	23.00	24.00	0
5	QPSK	1	12	23.00	22.90	23.09	23.03	22.99		
5	QPSK	1	24	22.87	22.91	22.94	22.84	22.86		
5	QPSK	12	0	22.27	22.27	22.27	22.12	22.22	23	1
5	QPSK	12	7	22.07	22.17	22.24	22.06	22.09		
5	QPSK	12	13	22.08	22.09	22.23	22.13	22.18		
5	QPSK	25	0	22.11	22.02	22.23	22.11	22.15	23	1
5	16QAM	1	0	22.02	22.20	22.18	22.13	22.10		
5	16QAM	1	12	22.19	22.08	22.16	22.11	22.20		
5	16QAM	1	24	22.19	22.27	22.20	22.20	22.20	22	2
5	16QAM	12	0	21.42	21.36	21.44	21.31	21.42		
5	16QAM	12	7	21.32	21.39	21.47	21.34	21.31		
5	16QAM	12	13	21.45	21.39	21.53	21.42	21.46	22	2
5	16QAM	25	0	21.47	21.37	21.51	21.52	21.49		
5	64QAM	1	0	21.27	21.41	21.41	21.30	21.31		
5	64QAM	1	12	21.31	21.42	21.33	21.31	21.32	22	2
5	64QAM	1	24	21.36	21.36	21.50	21.34	21.40		
5	64QAM	12	0	20.47	20.46	20.58	20.49	20.47		
5	64QAM	12	7	20.39	20.37	20.47	20.39	20.42	21	3
5	64QAM	12	13	20.50	20.48	20.64	20.43	20.49		
5	64QAM	25	0	20.61	20.44	20.56	20.58	20.62		
5	256QAM	1	0	17.89	17.98	17.99	17.86	18.03	19	5
5	256QAM	1	12	17.86	17.86	18.03	17.77	17.80		
5	256QAM	1	24	18.00	18.03	18.07	17.92	17.92		
5	256QAM	12	0	18.01	18.09	18.07	18.03	18.02	19	5
5	256QAM	12	7	17.82	17.89	17.91	17.91	18.01		
5	256QAM	12	13	18.00	18.00	18.13	17.99	18.08		
5	256QAM	25	0	17.92	17.95	18.00	17.92	17.93		

Band 42 Ant2 FCC (3.5GHz 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				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	22.82	22.83	22.80			
20	QPSK	1	49	22.80	22.82	22.82	24	0	
20	QPSK	1	99	22.74	22.80	22.81			
20	QPSK	50	0	21.85	21.90	21.86			
20	QPSK	50	24	21.88	21.92	21.91	23	1	
20	QPSK	50	50	21.82	21.89	21.96			
20	QPSK	100	0	21.95	21.95	21.94			
20	16QAM	1	0	21.80	21.86	21.83	23	1	
20	16QAM	1	49	21.76	21.83	21.88			
20	16QAM	1	99	21.78	21.79	21.82			
20	16QAM	50	0	20.94	20.94	20.97	22	2	
20	16QAM	50	24	21.01	20.99	21.02			
20	16QAM	50	50	20.98	20.95	20.96			
20	16QAM	100	0	20.98	20.99	21.06	22	2	
20	64QAM	1	0	20.43	20.49	20.54			
20	64QAM	1	49	20.49	20.53	20.60			
20	64QAM	1	99	20.46	20.50	20.55	21	3	
20	64QAM	50	0	19.90	19.94	19.95			
20	64QAM	50	24	19.93	20.00	20.03			
20	64QAM	50	50	19.87	19.95	19.94	19	5	
20	64QAM	100	0	19.95	19.96	20.02			
20	256QAM	1	0	17.70	17.75	17.81			
20	256QAM	1	49	17.71	17.68	17.72	19	5	
20	256QAM	1	99	17.79	17.75	17.79			
20	256QAM	50	0	17.95	17.98	17.95			
20	256QAM	50	24	18.04	18.03	18.04	19	5	
20	256QAM	50	50	17.99	17.99	17.98			
20	256QAM	100	0	17.90	17.98	18.04			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	22.75	22.73	22.69			
15	QPSK	1	37	22.76	22.73	22.73	24	0	
15	QPSK	1	74	22.62	22.67	22.71			
15	QPSK	36	0	21.75	21.77	21.78	23	1	
15	QPSK	36	20	21.80	21.77	21.79			
15	QPSK	36	39	21.75	21.77	21.83			
15	QPSK	75	0	21.81	21.87	21.84	23	1	
15	16QAM	1	0	21.71	21.71	21.83			
15	16QAM	1	37	21.61	21.76	21.80			
15	16QAM	1	74	21.65	21.68	21.73	22	2	
15	16QAM	36	0	20.79	20.88	20.84			
15	16QAM	36	20	20.92	20.93	20.90			
15	16QAM	36	39	20.87	20.89	20.88	22	2	
15	16QAM	75	0	20.83	20.86	20.91			
15	64QAM	1	0	20.34	20.36	20.50			
15	64QAM	1	37	20.36	20.44	20.50	22	2	
15	64QAM	1	74	20.33	20.38	20.49			
15	64QAM	36	0	19.75	19.78	19.82	21	3	
15	64QAM	36	20	19.81	19.86	19.88			
15	64QAM	36	39	19.77	19.90	19.86			
15	64QAM	75	0	19.83	19.84	19.92	19	5	
15	256QAM	1	0	17.56	17.67	17.70			
15	256QAM	1	37	17.64	17.52	17.63			
15	256QAM	1	74	17.69	17.66	17.54	19	5	
15	256QAM	36	0	17.84	17.91	17.88			
15	256QAM	36	20	17.98	17.90	17.98			
15	256QAM	36	39	17.89	17.94	17.94	19	5	
15	256QAM	75	0	17.83	17.88	17.90			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	22.73	22.68	22.62			
10	QPSK	1	25	22.70	22.68	22.61	24	0	
10	QPSK	1	49	22.57	22.65	22.70			
10	QPSK	25	0	21.75	21.74	21.73	23	1	
10	QPSK	25	12	21.67	21.74	21.77			
10	QPSK	25	25	21.65	21.68	21.83			
10	QPSK	50	0	21.82	21.81	21.81	23	1	
10	16QAM	1	0	21.71	21.69	21.79			
10	16QAM	1	25	21.64	21.62	21.76			
10	16QAM	1	49	21.58	21.65	21.66	22	2	
10	16QAM	25	0	20.84	20.82	20.77			
10	16QAM	25	12	20.91	20.84	20.89			
10	16QAM	25	25	20.84	20.74	20.81	22	2	
10	16QAM	50	0	20.81	20.88	20.96			
10	64QAM	1	0	20.29	20.35	20.35			
10	64QAM	1	25	20.32	20.40	20.46	22	2	
10	64QAM	1	49	20.31	20.40	20.34			
10	64QAM	25	0	19.75	19.75	19.75	21	3	
10	64QAM	25	12	19.78	19.89	19.86			
10	64QAM	25	25	19.68	19.80	19.83			
10	64QAM	50	0	19.78	19.80	19.92	19	5	
10	256QAM	1	0	17.52	17.55	17.67			
10	256QAM	1	25	17.51	17.59	17.53			
10	256QAM	1	49	17.59	17.62	17.67	19	5	
10	256QAM	25	0	17.82	17.88	17.82			
10	256QAM	25	12	17.94	17.83	17.86			
10	256QAM	25	25	17.89	17.81	17.78	19	5	
10	256QAM	50	0	17.76	17.82	17.84			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	22.60	22.65	22.66			
5	QPSK	1	12	22.60	22.61	22.65	24	0	
5	QPSK	1	24	22.55	22.63	22.67			
5	QPSK	12	0	21.69	21.72	21.69	23	1	
5	QPSK	12	7	21.65	21.75	21.71			
5	QPSK	12	13	21.60	21.65	21.72			
5	QPSK	25	0	21.74	21.81	21.76	23	1	
5	16QAM	1	0	21.60	21.67	21.78			
5	16QAM	1	12	21.62	21.60	21.69			
5	16QAM	1	24	21.65	21.58	21.59	22	2	
5	16QAM	12	0	20.79	20.74	20.82			
5	16QAM	12	7	20.77	20.76	20.87			
5	16QAM	12	13	20.76	20.77	20.78	22	2	
5	16QAM	25	0	20.75	20.76	20.85			
5	64QAM	1	0	20.27	20.35	20.32			
5	64QAM	1	12	20.29	20.30	20.40	22	2	
5	64QAM	1	24	20.21	20.28	20.33			
5	64QAM	12	0	19.77	19.76	19.81			
5	64QAM	12	7	19.74	19.81	19.84	21	3	
5	64QAM	12	13	19.66	19.77	19.72			
5	64QAM	25	0	19.72	19.77	19.77			
5	256QAM	1	0	17.51	17.57	17.59	19	5	
5	256QAM	1	12	17.51	17.44	17.48			
5	256QAM	1	24	17.55	17.54	17.57			
5	256QAM	12	0	17.73	17.84	17.77	19	5	
5	256QAM	12	7	17.81	17.79	17.86			
5	256QAM	12	13	17.85	17.84	17.82			
5	256QAM	25	0	17.68	17.79	17.87			

Band 7 Ant5 (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	22.97	23.00	22.93	24	0	
20	QPSK	1	49	22.85	22.87	22.92			
20	QPSK	1	99	22.94	22.97	22.95			
20	QPSK	50	0	22.18	22.14	22.15	23	1	
20	QPSK	50	24	21.99	22.05	22.05			
20	QPSK	50	50	22.08	22.16	22.22			
20	QPSK	100	0	22.08	22.05	22.11	23	1	
20	16QAM	1	0	22.13	22.14	22.22			
20	16QAM	1	49	22.18	22.18	22.24			
20	16QAM	1	99	22.21	22.17	22.13	22	2	
20	16QAM	50	0	21.05	21.11	21.10			
20	16QAM	50	24	21.13	21.14	21.14			
20	16QAM	50	50	21.07	21.10	21.12	22	2	
20	16QAM	100	0	21.13	21.10	21.06			
20	64QAM	1	0	20.99	21.04	21.09			
20	64QAM	1	49	20.87	20.94	20.98	21	3	
20	64QAM	1	99	21.07	21.05	21.07			
20	64QAM	50	0	20.07	20.09	20.11			
20	64QAM	50	24	20.11	20.13	20.20	19	5	
20	64QAM	50	50	20.18	20.17	20.22			
20	64QAM	100	0	20.07	20.14	20.17			
20	256QAM	1	0	17.98	18.03	18.02	19	5	
20	256QAM	1	49	17.84	17.92	17.90			
20	256QAM	1	99	18.03	18.05	18.01			
20	256QAM	50	0	18.06	18.04	18.10	19	5	
20	256QAM	50	24	18.08	18.10	18.17			
20	256QAM	50	50	18.15	18.12	18.09			
20	256QAM	100	0	18.03	18.07	18.10	Tune-up limit (dBm)	MPR (dB)	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	24	0	
15	QPSK	1	0	22.82	22.87	22.77			
15	QPSK	1	37	22.71	22.74	22.76	23	1	
15	QPSK	1	74	22.89	22.82	22.84			
15	QPSK	36	0	22.10	22.06	22.08			
15	QPSK	36	20	21.90	21.90	21.91	23	1	
15	QPSK	36	39	21.94	22.01	22.10			
15	QPSK	75	0	21.99	21.91	21.98			
15	16QAM	1	0	22.04	22.02	22.15	23	1	
15	16QAM	1	37	22.06	22.07	22.14			
15	16QAM	1	74	22.15	22.07	22.06			
15	16QAM	36	0	20.99	20.98	20.98	22	2	
15	16QAM	36	20	21.06	21.02	21.05			
15	16QAM	36	39	21.02	21.04	21.06			
15	16QAM	75	0	20.99	21.03	20.99	22	2	
15	64QAM	1	0	20.85	20.98	21.04			
15	64QAM	1	37	20.80	20.87	20.85			
15	64QAM	1	74	21.01	21.00	20.97	21	3	
15	64QAM	36	0	19.92	19.94	20.01			
15	64QAM	36	20	20.01	20.07	20.14			
15	64QAM	36	39	20.05	20.08	20.14	19	5	
15	64QAM	75	0	20.03	20.09	20.12			
15	256QAM	1	0	17.83	17.95	17.88			
15	256QAM	1	37	17.76	17.86	17.76	19	5	
15	256QAM	1	74	17.92	17.95	17.86			
15	256QAM	36	0	18.02	17.91	17.99			
15	256QAM	36	20	17.96	18.03	18.11	19	5	
15	256QAM	36	39	18.00	18.01	17.97			
15	256QAM	75	0	17.90	17.95	18.04			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.73	22.79	22.69	24	0	
10	QPSK	1	25	22.62	22.63	22.70			
10	QPSK	1	49	22.69	22.81	22.80			
10	QPSK	25	0	22.04	21.99	21.93	23	1	
10	QPSK	25	12	21.81	21.87	21.87			
10	QPSK	25	25	21.83	21.97	21.96			
10	QPSK	50	0	21.94	21.84	21.93	23	1	
10	16QAM	1	0	21.96	21.90	22.04			
10	16QAM	1	25	21.97	22.01	22.05			
10	16QAM	1	49	22.06	21.98	21.90	22	2	
10	16QAM	25	0	20.85	20.96	20.92			
10	16QAM	25	12	20.89	20.91	20.89			
10	16QAM	25	25	20.92	20.89	20.89	22	2	
10	16QAM	50	0	20.98	20.88	20.88			
10	64QAM	1	0	20.84	20.84	20.84			
10	64QAM	1	25	20.61	20.75	20.77	21	3	
10	64QAM	1	49	20.87	20.90	20.87			
10	64QAM	25	0	19.91	19.88	19.93			
10	64QAM	25	12	19.91	19.96	20.02	19	5	
10	64QAM	25	25	19.96	19.92	19.97			
10	64QAM	50	0	19.81	19.91	19.98			
10	256QAM	1	0	17.81	17.87	17.84	19	5	
10	256QAM	1	25	17.60	17.74	17.75			
10	256QAM	1	49	17.80	17.88	17.78			
10	256QAM	25	0	17.84	17.87	17.90	19	5	
10	256QAM	25	12	17.83	17.90	17.97			
10	256QAM	25	25	18.00	17.97	17.90			
10	256QAM	50	0	17.78	17.91	17.91	Tune-up limit (dBm)	MPR (dB)	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	24	0	
5	QPSK	1	0	22.65	22.65	22.53			
5	QPSK	1	12	22.50	22.47	22.59	23	1	
5	QPSK	1	24	22.57	22.66	22.61			
5	QPSK	12	0	21.88	21.83	21.85			
5	QPSK	12	7	21.59	21.72	21.67	23	1	
5	QPSK	12	13	21.69	21.76	21.85			
5	QPSK	25	0	21.71	21.70	21.73			
5	16QAM	1	0	21.74	21.83	21.81	23	1	
5	16QAM	1	12	21.88	21.86	21.93			
5	16QAM	1	24	21.91	21.84	21.81			
5	16QAM	12	0	20.86	20.71	20.76	22	2	
5	16QAM	12	7	20.72	20.75	20.80			
5	16QAM	12	13	20.76	20.70	20.74			
5	16QAM	25	0	20.84	20.77	20.70	22	2	
5	64QAM	1	0	20.68	20.75	20.79			
5	64QAM	1	12	20.57	20.64	20.61			
5	64QAM	1	24	20.73	20.64	20.66	21	3	
5	64QAM	12	0	19.77	19.71	19.76			
5	64QAM	12	7	19.76	19.78	19.83			
5	64QAM	12	13	19.78	19.82	19.84	19	5	
5	64QAM	25	0	19.77	19.81	19.78			
5	256QAM	1	0	17.63	17.70	17.69			
5	256QAM	1	12	17.48	17.51	17.58	19	5	
5	256QAM	1	24	17.64	17.67	17.64			
5	256QAM	12	0	17.71	17.71	17.76			
5	256QAM	12	7	17.77	17.72	17.81	19	5	
5	256QAM	12	13	17.75	17.80	17.73			
5	256QAM	25	0	17.69	17.69	17.77			

Band 38 Ant5(only on channel required)															
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. [Frac]	Power High Co. [Frac]	Power Low Ch. [Frac]	Power High Ch. [Frac]	Turn-up limit (dBm)	MPR (dB)						
Channel															
Frequency (MHz)															
20	QPSK	1	0	23.18	23.34	23.24		24	0						
20	QPSK	1	49	23.12	23.27	23.21									
20	QPSK	1	99	23.20	23.32	23.32									
20	QPSK	50	0	22.23	22.41	22.28									
20	QPSK	50	24	22.14	22.28	22.22		23	1						
20	QPSK	50	50	22.25	22.31	22.28									
20	QPSK	100	0	22.21	22.45	22.37									
20	16QAM	1	0	22.39	22.44	22.29									
20	16QAM	1	49	22.30	22.39	22.24		23	1						
20	16QAM	1	99	22.32	22.47	22.34									
20	16QAM	50	0	21.18	21.29	21.23									
20	16QAM	50	24	21.27	21.35	21.28									
20	16QAM	50	50	21.25	21.32	21.23		22	2						
20	16QAM	100	0	21.23	21.31	21.18									
20	64QAM	1	0	20.99	21.13	21.06									
20	64QAM	1	49	21.07	21.16	21.02									
20	64QAM	1	99	21.05	21.17	21.02		21	3						
20	64QAM	50	0	20.18	20.26	20.19									
20	64QAM	50	24	20.16	20.30	20.21									
20	64QAM	50	50	20.24	20.29	20.19									
20	64QAM	100	0	20.24	20.35	20.32		19	5						
20	256QAM	1	0	18.11	18.16	18.05									
20	256QAM	1	49	18.08	18.19	18.05									
20	256QAM	1	99	18.00	18.11	18.03									
20	256QAM	50	0	18.22	18.36	18.21		19	5						
20	256QAM	50	24	18.34	18.41	18.37									
20	256QAM	50	50	18.27	18.40	18.30									
20	256QAM	100	0	18.22	18.31	18.21									
Channel															
Frequency (MHz)															
15	QPSK	1	0	23.05	23.27	23.14		24	0						
15	QPSK	1	49	23.07	23.23	23.08									
15	QPSK	36	0	22.20	22.27	22.22									
15	QPSK	36	24	22.00	22.30	22.10									
15	QPSK	36	39	22.19	22.23	22.21		23	1						
15	QPSK	75	0	22.13	22.39	22.31									
15	16QAM	1	0	22.25	22.36	22.24									
15	16QAM	1	37	22.21	22.30	22.11									
15	16QAM	1	74	22.19	22.34	22.20		23	1						
15	16QAM	36	0	21.09	21.21	21.10									
15	16QAM	36	20	21.21	21.30	21.20									
15	16QAM	36	39	21.13	21.18	21.17									
15	16QAM	75	0	21.19	21.22	21.15		22	2						
15	64QAM	1	0	20.94	21.04	20.98									
15	64QAM	1	37	20.94	21.02	20.98									
15	64QAM	1	74	20.97	21.11	20.87									
15	64QAM	36	0	20.10	20.20	20.08		22	2						
15	64QAM	36	20	20.02	20.24	20.15									
15	64QAM	36	39	20.16	20.21	20.13									
15	64QAM	75	0	20.10	20.24	20.28									
15	64QAM	36	39	20.20	20.22	20.16		21	3						
15	64QAM	75	0	20.10	20.24	20.28									
15	256QAM	1	0	17.96	18.10	18.03									
15	256QAM	1	37	17.98	18.15	18.01									
15	256QAM	1	74	17.96	17.99	17.89		19	5						
15	256QAM	36	0	18.10	18.03										
15	256QAM	36	20	18.30	18.31	18.32									
15	256QAM	36	39	18.18	18.27	18.18									
15	256QAM	75	0	18.10	18.03			19	5						
15	256QAM	75	0	18.10	18.03										
15	256QAM	75	0	18.10	18.03										
15	256QAM	75	0	18.10	18.03										
Channel															
Frequency (MHz)															
15	QPSK	1	0	23.14	23.25	23.09		24	0						
15	QPSK	1	49	23.11	23.25	23.11									
15	QPSK	1	99	23.10	23.27	23.08									
15	QPSK	25	0	22.16	22.26	22.15									
15	QPSK	25	12	22.01	22.16	22.11		23	1						
15	QPSK	25	25	22.15	22.22	22.22									
15	QPSK	50	0	22.10	22.34	22.25									
15	16QAM	1	0	22.33	22.30	22.25									
15	16QAM	1	49	22.23	22.42	22.29		23	1						
15	16QAM	1	99	22.25	22.42	22.31									
15	16QAM	25	0	21.12	21.25	21.19									
15	16QAM	25	24	21.12	21.26	21.15									
15	16QAM	25	49	21.15	21.21	21.15		22	2						
15	16QAM	25	25	21.12	21.27	21.17									
15	16QAM	50	0	21.13	21.20	21.12									
15	64QAM	1	0	20.90	21.00	21.04									
15	64QAM	1	25	21.01	21.10	20.87		22	2						
15	64QAM	1	49	20.98	21.13	20.88									
15	64QAM	25	0	20.13	20.19	20.14									
15	64QAM	25	12	20.13	20.23	20.15									
15	64QAM	25	25	20.16	20.23	20.06		21	3						
15	64QAM	50	0	20.11	20.24	20.28									
15	256QAM	1	0	18.08	18.04	17.97									
15	256QAM	1	25	18.02	18.10	17.93									
15	256QAM	1	49	17.96	18.01	17.96		19	5						
15	256QAM	25	0	18.07	18.25	18.12									
15	256QAM	25	12	18.25	18.26	18.33									
15	256QAM	25	25	18.17	18.36	18.22									
15	256QAM	50	0	18.08	18.21	18.12		19	5						
15	256QAM	50	0	18.08	18.21	18.12									
15	256QAM	50	0	18.08	18.21	18.12									
15	256QAM	50	0	18.08	18.21	18.12									
Channel															
Frequency (MHz)															
5	QPSK	1	0	23.06	23.20	23.11		24	0						
5	QPSK	1	12	23.00	23.12	23.06									
5	QPSK	1	24	23.13	23.23	23.14									
5	QPSK	12	0	22.16	22.36	22.21									
5	QPSK	12	7	22.08	22.25	22.10		23	1						
5	QPSK	12	13	22.18	22.19	22.17									
5	QPSK	25	0	22.08	22.32	22.25									
5	16QAM	1	12	22.28	22.38	22.21									
5	16QAM	1	24	22.21	22.41	22.28		23	1						
5	16QAM	12	0	21.04	21.20	21.14									
5	16QAM	12	7	21.18	21.24	21.18									
5	16QAM	12	13	21.17	21.19	21.09									
5	16QAM	25	0	21.18	21.18	21.09		22	2						
5	64QAM	1	0	20.89	21.03	20.89									
5	64QAM	1	12	21.03	21.03	20.89									
5	64QAM	1	24	20.94	21.03	20.89									
5	64QAM	12	0	20.20	20.22	20.14		21	3						
5	64QAM	12	7	20.10	20.19	20.11									
5	64QAM	12	13	20.15	20.19	20.08									
5	64QAM	25	0	20.11	20.26	20.29									
5	256QAM	1	0	18.01	18.12	17.94		19	5						
5	256QAM	1	12	17.96	18.09	17.85									
5	256QAM	1	24	17.94	18.17	17.82									
5	256QAM	12	0	18.15	18.24	18.15									
5	256QAM	12	7	18.25	18.28	18.32									
5	256QAM	12	13	18.16	18.18	18.16									
5	256QAM	25	0	18.10	18.19	18.12		19	5						
5	256QAM	25	12	18.10	18.19	18.12									

Band 38 Ant5 (only on channel required) 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				37850	38000	38150			
Frequency (MHz)				2680	2695	2610			
20	QPSK	1	0	26.27	26.34	26.30	27	0	
20	QPSK	1	49	26.31	26.32	26.33			
20	QPSK	1	99	26.28	26.29	26.32			
20	QPSK	50	0	25.38	25.39	25.39			
20	QPSK	50	24	25.42	25.40	25.38			
20	QPSK	50	50	25.36	25.33	25.32	26	1	
20	QPSK	100	0	25.30	25.36	25.36			
20	16QAM	1	0	25.68	25.75	25.76			
20	16QAM	1	49	25.69	25.76	25.81			
20	16QAM	1	99	25.63	25.65	25.67			
20	16QAM	50	0	24.39	24.41	24.40	25	2	
20	16QAM	50	24	24.40	24.45	24.50			
20	16QAM	50	50	24.38	24.39	24.39			
20	16QAM	100	0	24.45	24.46	24.44			
20	64QAM	1	0	24.59	24.61	24.63			
20	64QAM	1	49	24.59	24.65	24.72	25	2	
20	64QAM	1	99	24.45	24.49	24.47			
20	64QAM	50	0	23.34	23.40	23.47			
20	64QAM	50	24	23.42	23.44	23.43			
20	64QAM	50	50	23.38	23.39	23.38			
20	64QAM	100	0	23.37	23.37	23.38	24	3	
20	256QAM	1	0	21.38	21.42	21.38			
20	256QAM	1	49	21.36	21.38	21.45			
20	256QAM	1	99	21.25	21.30	21.28			
20	256QAM	50	0	21.46	21.50	21.51			
20	256QAM	50	24	21.54	21.51	21.51	22	5	
20	256QAM	50	50	21.44	21.41	21.45			
20	256QAM	100	0	21.43	21.43	21.41			
Channel				37875	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2677.5	2695	2617.5			
15	QPSK	1	0	26.17	26.31	26.18	27	0	
15	QPSK	1	37	26.18	26.32	26.23			
15	QPSK	1	74	26.18	26.21	26.17			
15	QPSK	36	0	25.23	25.29	25.33			
15	QPSK	36	20	25.27	25.27	25.22			
15	QPSK	36	39	25.30	25.17	25.19	26	1	
15	QPSK	75	0	25.23	25.32	25.24			
15	16QAM	1	0	25.67	25.65	25.68			
15	16QAM	1	37	25.60	25.70	25.75			
15	16QAM	1	74	25.55	25.51	25.57			
15	16QAM	36	0	24.24	24.29	24.34	25	2	
15	16QAM	36	20	24.36	24.35	24.34			
15	16QAM	36	39	24.24	24.26	24.32			
15	16QAM	75	0	24.40	24.40	24.38			
15	64QAM	1	0	24.46	24.55	24.55			
15	64QAM	1	37	24.44	24.60	24.57	25	2	
15	64QAM	1	74	24.35	24.34	24.43			
15	64QAM	36	0	23.22	23.29	23.38			
15	64QAM	36	20	23.30	23.34	23.39			
15	64QAM	36	39	23.31	23.33	23.28			
15	64QAM	75	0	23.23	23.22	23.33	24	3	
15	256QAM	1	0	21.28	21.31	21.34			
15	256QAM	1	37	21.20	21.32	21.34			
15	256QAM	1	74	21.19	21.25	21.14			
15	256QAM	36	0	21.41	21.41	21.38			
15	256QAM	36	20	21.48	21.38	21.38	22	5	
15	256QAM	36	39	21.32	21.34	21.32			
15	256QAM	75	0	21.20	21.31	21.31			
Channel				37900	38000	38025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2675	2695	2615			
10	QPSK	1	0	26.04	26.15	26.08	26	1	
10	QPSK	1	25	26.10	26.16	26.22			
10	QPSK	1	49	26.05	26.08	26.11			
10	QPSK	25	0	25.24	25.24	25.19			
10	QPSK	25	12	25.17	25.20	25.16			
10	QPSK	25	25	25.12	25.16	25.17	26	1	
10	QPSK	50	0	25.06	25.14	25.22			
10	16QAM	1	0	25.47	25.57	25.59			
10	16QAM	1	25	25.50	25.59	25.61			
10	16QAM	1	49	25.45	25.45	25.42			
10	16QAM	25	0	24.14	24.22	24.22	25	2	
10	16QAM	25	12	24.32	24.25	24.28			
10	16QAM	25	25	24.18	24.24	24.14			
10	16QAM	50	0	24.24	24.25	24.19			
10	64QAM	1	0	24.32	24.41	24.45			
10	64QAM	1	25	24.37	24.50	24.55	25	2	
10	64QAM	1	49	24.25	24.30	24.28			
10	64QAM	25	0	23.17	23.19	23.28			
10	64QAM	25	12	23.18	23.18	23.25			
10	64QAM	25	25	23.13	23.17	23.22			
10	64QAM	50	0	23.16	23.20	23.23	24	3	
10	256QAM	1	0	21.14	21.24	21.20			
10	256QAM	1	25	21.16	21.23	21.28			
10	256QAM	1	49	21.07	21.15	21.05			
10	256QAM	25	0	21.32	21.27	21.32			
10	256QAM	25	12	21.29	21.33	21.31	22	5	
10	256QAM	25	25	21.20	21.18	21.31			
10	256QAM	50	0	21.23	21.22	21.17			
Channel				3777.5	38000	38025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2672.5	2695	2617.5			
5	QPSK	1	0	25.85	26.06	26.01	27	0	
5	QPSK	1	12	26.04	26.05	26.02			
5	QPSK	1	24	26.00	26.03	26.04			
5	QPSK	12	0	25.11	25.11	25.15			
5	QPSK	12	7	25.12	25.10	25.08			
5	QPSK	12	13	25.05	25.06	25.08	26	1	
5	QPSK	25	0	25.04	25.11	25.00			
5	16QAM	1	0	25.41	25.41	25.42			
5	16QAM	1	12	25.37	25.46	25.51			
5	16QAM	1	24	25.34	25.38	25.33			
5	16QAM	12	0	24.13	24.09	24.16	26	1	
5	16QAM	12	7	24.24	24.16	24.25			
5	16QAM	12	13	24.10	24.11	24.15			
5	16QAM	25	0	24.23	24.16	24.19			
5	64QAM	1	0	24.22	24.26	24.31			
5	64QAM	1	12	24.31	24.40	24.38	25	2	
5	64QAM	1	24	24.18	24.14	24.18			
5	64QAM	12	0	23.09	23.09	23.23			
5	64QAM	12	7	23.11	23.10	23.09			
5	64QAM	12	13	23.14	23.15	23.16			
5	64QAM	25	0	23.04	23.06	23.11	24	3	
5	256QAM	1	0	21.04	21.18	21.13			
5	256QAM	1	12	21.07	21.04	21.16			
5	256QAM	1	24	20.99	21.03	20.97			
5	256QAM	12	0	21.19	21.21	21.24			
5	256QAM	12	7	21.18	21.18	21.22	22	5	
5	256QAM	12	13	21.16	21.16	21.09			
5	256QAM	25	0	21.08	21.08	21.16			

Reduced Power Mode for WWAN

Sensor& Hotspot Ant 0									
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		22.74	23.08	22.76	24.00	13.74	14.08	13.76	15.00
GPRS 1 Tx slot		22.77	23.13	22.84	24.00	13.77	14.13	13.84	15.00
GPRS 2 Tx slots		20.79	20.81	20.84	21.50	14.79	14.81	14.84	15.50
GPRS 3 Tx slots		19.26	19.41	19.23	20.00	15.00	15.15	14.97	15.74
GPRS 4 Tx slots		17.83	17.84	17.91	18.00	14.83	14.84	14.91	15.00
EDGE 1 Tx slot		19.39	19.31	19.39	19.50	10.39	10.31	10.39	10.50
EDGE 2 Tx slots		17.78	17.79	17.65	18.50	11.78	11.79	11.65	12.50
EDGE 3 Tx slots		16.52	16.32	16.36	17.00	12.26	12.06	12.10	12.74
EDGE 4 Tx slots		15.11	15.08	15.24	15.50	12.11	12.08	12.24	12.50

Sensor& Hotspot Ant 0									
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		13.97	14.00	13.91	15.50	13.61	13.79	13.72	15.50
3GPP Rel 99 RMC 12.2Kbps		14.06	14.14	13.97	15.50	13.74	13.91	13.89	15.50
3GPP Rel 6 HSDPA Subtest-1		13.19	13.33	13.12	14.50	12.88	12.84	12.72	14.50
3GPP Rel 6 HSDPA Subtest-2		13.03	13.37	13.15	14.50	12.76	12.91	13.06	14.50
3GPP Rel 6 HSDPA Subtest-3		12.68	12.50	12.69	14.00	12.34	12.34	12.29	14.00
3GPP Rel 6 HSDPA Subtest-4		12.52	12.78	12.70	14.00	12.27	12.40	12.37	14.00
3GPP Rel 8 DC-HSDPA Subtest-1		13.11	13.40	13.08	14.50	13.02	12.95	12.91	14.50
3GPP Rel 8 DC-HSDPA Subtest-2		13.07	13.31	13.23	14.50	13.04	13.17	12.87	14.50
3GPP Rel 8 DC-HSDPA Subtest-3		12.68	12.52	12.61	14.00	12.35	12.33	12.31	14.00
3GPP Rel 8 DC-HSDPA Subtest-4		12.51	12.75	12.66	14.00	12.21	12.45	12.47	14.00
3GPP Rel 6 HSUPA Subtest-1		13.03	12.97	12.96	14.00	12.93	13.09	12.89	14.00
3GPP Rel 6 HSUPA Subtest-2		11.04	11.01	11.01	12.00	10.90	10.91	11.02	12.00
3GPP Rel 6 HSUPA Subtest-3		12.14	12.02	12.17	13.00	11.75	11.85	12.04	13.00
3GPP Rel 6 HSUPA Subtest-4		11.27	11.23	10.99	12.00	10.76	10.76	11.08	12.00
3GPP Rel 6 HSUPA Subtest-5		13.18	13.07	12.99	14.00	12.91	12.99	12.91	14.00

Handheld Ant 0								
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	1860	1869.8	1850.2	1860	1869.8		
GSM 1 Tx slot	27.56	27.57	27.64	29.50	18.56	18.57	18.64	20.50
GPRS 1 Tx slot	27.60	27.61	27.78	29.50	18.60	18.61	18.78	20.50
GPRS 2 Tx slots	25.31	25.18	25.43	27.00	19.31	19.18	19.43	21.00
GPRS 3 Tx slots	23.65	23.83	23.85	25.50	19.39	19.57	19.59	21.24
GPRS 4 Tx slots	21.93	22.19	22.15	23.50	18.93	19.19	19.15	20.50
EDGE 1 Tx slot	23.41	23.46	23.50	25.00	14.41	14.46	14.50	16.00
EDGE 2 Tx slots	22.39	22.47	22.44	24.00	16.39	16.47	16.44	18.00
EDGE 3 Tx slots	21.01	21.03	20.81	22.50	16.75	16.77	16.55	18.24
EDGE 4 Tx slots	19.37	19.49	19.19	21.00	16.37	16.49	16.19	18.00

Band	Handheld Ant 0				Handheld Ant 0			
	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	5262	8400	9538		1312	1413	1513	
TX Channel	9682	9800	9838	9682	1537	1638	1738	1537
Rx Channel	1852.4	1880	1907.6	1852.4	1712.4	1732.6	1752.6	1712.4
Frequency (MHz)	1852.4	1880	1907.6	1852.4	1712.4	1732.6	1752.6	1712.4
3GPP Rel 99	AMR 12.2Kbps	19.05	19.15	19.05	20.00	18.21	18.26	18.22
3GPP Rel 99	RMC 12.2Kbps	19.11	19.17	19.13	20.00	18.39	18.43	18.41
3GPP Rel 6	HSDPA Subtest-1	18.19	18.34	18.25	19.00	17.27	17.37	17.33
3GPP Rel 6	HSDPA Subtest-2	18.12	18.51	18.38	19.00	17.33	17.30	17.41
3GPP Rel 6	HSDPA Subtest-3	17.86	17.71	17.78	18.50	16.66	16.76	16.74
3GPP Rel 6	HSDPA Subtest-4	17.61	17.80	17.86	18.50	16.68	16.81	16.77
3GPP Rel 8	DC-HSDPA Subtest-1	18.23	18.47	18.18	19.00	17.53	17.38	17.39
3GPP Rel 8	DC-HSDPA Subtest-2	18.15	18.47	18.35	19.00	17.52	17.60	17.38
3GPP Rel 8	DC-HSDPA Subtest-3	17.79	17.74	17.78	18.50	16.79	16.84	16.82
3GPP Rel 8	DC-HSDPA Subtest-4	17.66	17.82	17.88	18.50	16.67	16.94	17.03
3GPP Rel 6	HSUPA Subtest-1	18.19	18.11	18.08	18.50	17.36	17.56	17.36
3GPP Rel 6	HSUPA Subtest-2	16.28	16.19	16.16	16.50	15.26	15.28	15.50
3GPP Rel 6	HSUPA Subtest-3	17.13	17.11	17.13	17.50	16.15	16.26	16.41
3GPP Rel 6	HSUPA Subtest-4	16.28	16.24	16.09	16.50	15.25	15.38	15.64
3GPP Rel 6	HSUPA Subtest-5	18.27	18.21	18.12	18.50	17.37	17.44	17.49



Band 2 Ant 0 Sensor& Hotspot										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up Time (sec)	APRS (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	14.16	14.30	14.31				
20	QPSK	1	49	14.25	14.26	14.26	15	0		
20	QPSK	1	99	14.32	14.24	14.26				
20	QPSK	50	0	14.22	14.30	14.26				
20	QPSK	50	24	14.20	14.32	14.26				
20	QPSK	50	50	14.27	14.29	14.34				
20	QPSK	100	0	14.16	14.37	14.31				
20	16QAM	50	0	14.20	14.27	14.27				
20	16QAM	1	49	14.29	14.25	14.33	15	0		
20	16QAM	1	99	14.17	14.34	14.32				
20	16QAM	50	0	14.10	14.19	14.18				
20	16QAM	50	24	14.17	14.25	14.24				
20	16QAM	50	50	14.26	14.17	14.17				
20	16QAM	100	0	14.13	14.27	14.19				
20	84QAM	1	0	14.10	14.24	14.17				
20	84QAM	1	49	14.23	14.18	14.26	15	0		
20	84QAM	1	99	14.04	14.24	14.24				
20	84QAM	50	0	14.14	14.21	14.20				
20	84QAM	50	24	14.20	14.17	14.21				
20	84QAM	50	50	14.13	14.22	14.19	15	0		
20	84QAM	100	0	14.14	14.22	14.17				
20	256QAM	1	49	14.02	14.01	14.09	15	0		
20	256QAM	1	99	13.94	14.05	14.00				
20	256QAM	50	0	14.05	14.04	14.06				
20	256QAM	50	24	14.09	14.04	14.07				
20	256QAM	50	50	13.99	14.04	14.08	15	0		
20	256QAM	100	0	13.99	14.05	14.00				
Channel										
Frequency (MHz)										
15	QPSK	1	0	14.08	14.19	14.22				
15	QPSK	1	37	14.19	14.29	14.21	15	0		
15	QPSK	1	74	14.22	14.09	14.21				
15	QPSK	36	0	14.14	14.16	14.18				
15	QPSK	36	25	14.12	14.20	14.21				
15	QPSK	36	39	14.16	14.20	14.27	15	0		
15	QPSK	75	0	14.03	14.17	14.21				
15	16QAM	1	0	14.06	14.10	14.16				
15	16QAM	1	37	14.19	14.11	14.19	15	0		
15	16QAM	1	74	14.07	14.26	14.26				
15	16QAM	36	0	14.01	14.10	14.08				
15	16QAM	36	25	14.04	14.19	14.10	15	0		
15	16QAM	36	39	14.08	14.13	14.20				
15	16QAM	75	0	14.02	14.13	14.05				
15	84QAM	1	0	14.04	14.10	14.10				
15	84QAM	1	37	14.15	14.05	14.05	15	0		
15	84QAM	1	74	14.36	14.16	14.10				
15	84QAM	36	0	14.06	14.07	14.03				
15	84QAM	36	25	14.06	14.07	14.04	15	0		
15	84QAM	36	39	14.08	14.14	14.15				
15	84QAM	75	0	14.09	14.04	14.11				
15	256QAM	1	0	13.98	14.06	14.06				
15	256QAM	1	37	14.09	13.95	14.13	15	0		
15	256QAM	1	74	13.86	14.05	14.07				
15	256QAM	36	0	14.06	14.05	14.06				
15	256QAM	36	25	14.06	13.97	14.10	15	0		
15	256QAM	36	39	13.95	14.08	14.09				
15	256QAM	75	0	13.96	14.10	14.06				
Channel										
Frequency (MHz)										
10	QPSK	1	0	14.01	14.20	14.14				
10	QPSK	1	25	14.14	14.23	14.19	15	0		
10	QPSK	1	49	14.16	14.10	14.29				
10	QPSK	12	0	14.06	14.16	14.14				
10	QPSK	12	25	14.06	14.23	14.16				
10	QPSK	25	25	14.14	14.21	14.21	15	0		
10	QPSK	25	49	14.03	14.16	14.22				
10	16QAM	1	0	14.13	14.10	14.21				
10	16QAM	1	25	14.11	14.14	14.19	15	0		
10	16QAM	1	49	14.07	14.27	14.26				
10	16QAM	12	0	14.04	14.05	14.00				
10	16QAM	12	25	14.06	14.18	14.08	15	0		
10	16QAM	12	49	14.15	14.08	14.09				
10	16QAM	25	0	14.01	14.20	14.05				
10	16QAM	25	12	14.02	14.13	14.10	15	0		
10	16QAM	25	49	14.15	14.09	14.13				
10	84QAM	1	0	14.09	14.03	14.13				
10	84QAM	1	24	14.10	14.05	14.10	15	0		
10	84QAM	1	49	14.07	14.14	14.14				
10	84QAM	12	0	14.07	14.05	14.11				
10	84QAM	12	7	14.02	14.09	14.14	15	0		
10	84QAM	12	13	14.00	14.06	14.02				
10	84QAM	25	0	14.14	14.14	14.02				
10	256QAM	1	0	13.95	14.04	13.94				
10	256QAM	1	12	14.04	13.99	14.13	15	0		
10	256QAM	1	24	13.88	14.00	14.00				
10	256QAM	12	0	13.90	13.97	13.96	15	0		
10	256QAM	12	7	13.97	14.04	14.02				
10	256QAM	12	13	13.96	14.03	14.04	15	0		
10	256QAM	25	0	13.94	14.02	14.01				
Channel										
Frequency (MHz)										
5	QPSK	1	0	14.01	14.16	14.14				
5	QPSK	1	12	14.10	14.25	14.16	15	0		
5	QPSK	1	24	14.22	14.08	14.18				
5	QPSK	12	0	14.06	14.16	14.14				
5	QPSK	12	7	14.12	14.17	14.21	15	0		
5	QPSK	12	13	14.15	14.15	14.26				
5	QPSK	25	12	14.15	14.21	14.22				
5	16QAM	1	0	14.10	14.11	14.14				
5	16QAM	1	12	14.12	14.17	14.18	15	0		
5	16QAM	1	24	14.11	14.28	14.17				
5	16QAM	12	0	14.02	14.02	14.05				
5	16QAM	12	7	14.06	14.13	14.16	15	0		
5	16QAM	12	13	14.17	14.18	14.19				
5	84QAM	1	0	14.01	14.10	14.05				
5	84QAM	1	12	14.02	14.15	14.09	15	0		
5	84QAM	1	24	14.10	14.05	14.10	15	0		
5	84QAM	1	24	14.10	14.05	14.10	15	0		
5	84QAM	12	0	14.07	14.05	14.11				
5	84QAM	12	7	14.02	14.09	14.14	15	0		
5	84QAM	12	13	14.00	14.06	14.02				
5	84QAM	25	0	14.14	14.14	14.02				
5	256QAM	1	0	13.95	14.04	13.94				
5	256QAM	1	12	14.04	13.99	14.13	15	0		
5	256QAM	1	24	13.88	14.00	14.00				
5	256QAM	12	0	13.90	13.97	13.96	15	0		
5	256QAM	12	7	13.97	14.04	14.02				
5	256QAM	12	13	13.96	14.03	14.04	15	0		
5	256QAM	25	0	13.94	14.02	14.01				
Channel										
Frequency (MHz)										
3	QPSK	1	0	14.02	14.20	14.23				
3	QPSK	1	8	14.14	14.26	14.18	15	0		
3	QPSK	1	14	14.25	14.10	14.11				
3	QPSK	8	0	14.10	14.20	14.20				
3	QPSK	8	4	14.07	14.24	14.23	15	0		
3	QPSK	8	7	14.14	14.17	14.16				
3	QPSK	15	0	14.04	14.27	14.20				
3	16QAM	1	0	14.11	14.16	14.16				
3	16QAM	1	8	14.20	14.15	14.25	15	0		
3	16QAM	1	14	14.08	14.21	14.19				
3	16QAM	8	0	14.01	14.10	14.05				
3	16QAM	8	4	14.02	14.10	14.10	15	0		
3	16QAM	8	7	14.14	14.05	14.03				
3	16QAM	15	0	14.01	14.11	14.06				
3	84QAM	1	0	14.19	14.03	14.03				
3	84QAM	1	8	14.15	14.03	14.10	15	0		
3	84QAM	1	14	14.21	14.11	14.17				
3	84QAM	8	0	14.02	14.13	14.05				
3	84QAM	8	4	14.09	14.05	14.09	15	0		
3	84QAM	8	7	14.12	14.10	14.20				
3	84QAM	15	0	14.04	14.14	14.03				
3	256QAM	1	0	13.94	14.11	14.04				
3	256QAM	1	8	14.10	13.99	14.17	15	0		
3	256QAM	1	14	13.90	14.09	14.02				
3	256QAM	8	0	13.98	14.02	14.06				
3	256QAM	8	4	14.03	13.92	14.11	15	0		
3	256QAM	8	7	14.06	14.01	14.06				
3	256QAM	15	0	13.92	14.06	13.93				
Channel										
Frequency (MHz)										
1.8	QPSK	1	0	14.07	14.15	14.21				
1.8	QPSK	1	7	14.20	14.08	14.14	15	0		
1.8	QPSK	1	9	14.18	14.12	14.15				
1.8	QPSK	3	0	14.08	14.17	14.17				
1.8	QPSK	3	9	14.05	14.20	14.20	15	0		
1.8	QPSK	3	9	14.15	14.15	14.25				
1.8	QPSK	6	0	14.03	14.20	14.21	15	0		
1.8	16QAM	1	0	14.09	14.14	14.17				
1.8	16QAM	1	3	14.18	14.18	14.27	15	0		
1.8	16QAM	1	3	14.08	14.23					



Band 2 Ant 0 Handheld														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Fires	Power Middle Ch./Fires	Power High Ch./Fires	Time-up (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	19.21	19.21	19.27	20.5	0						
20	QPSK	1	49	19.22	19.21	19.18								
20	QPSK	1	99	19.30	19.21	19.22								
20	QPSK	50	0	19.18	19.20	19.21								
20	QPSK	50	24	19.12	19.17	19.33	20.5	0						
20	QPSK	50	50	19.26	19.20	19.26								
20	QPSK	100	0	19.19	19.20	19.20								
20	16QAM	1	0	19.07	19.04	19.05								
20	16QAM	1	49	19.25	19.03	19.08	20.5	0						
20	16QAM	1	99	19.02	19.15	19.16								
20	16QAM	50	0	19.03	19.01	19.21								
20	16QAM	50	24	19.08	19.20	19.06								
20	16QAM	50	50	19.09	19.19	19.13	20.5	0						
20	16QAM	100	0	19.04	19.06	19.06								
20	64QAM	1	0	19.25	19.11	19.16								
20	64QAM	1	49	19.10	19.26	19.02								
20	64QAM	50	0	19.03	19.09	19.22	20.5	0						
20	64QAM	50	0	19.16	19.19	19.13								
20	64QAM	50	24	19.13	19.13	19.20								
20	64QAM	100	0	19.14	19.12	19.16								
20	256QAM	1	0	17.40	17.65	17.48	19	1.5						
20	256QAM	1	49	17.46	17.52	17.60								
20	256QAM	1	99	17.55	17.47	17.48								
20	256QAM	50	0	17.41	17.48	17.43								
20	256QAM	50	24	17.47	17.38	17.40	19	1.5						
20	256QAM	50	50	17.48	17.43	17.43								
20	256QAM	100	0	17.37	17.46	17.45								
Channel														
Frequency (MHz)														
15	QPSK	1	0	19.07	19.09	19.05	20.5	0						
15	QPSK	1	49	19.11	19.11	19.09								
15	QPSK	1	74	19.23	19.09	19.05								
15	QPSK	36	0	18.99	19.10	19.02								
15	QPSK	36	25	19.06	19.04	19.12	20.5	0						
15	QPSK	36	39	19.17	19.23	19.10								
15	QPSK	75	0	19.11	19.13	19.03								
15	16QAM	1	0	19.03	18.96	18.93								
15	16QAM	1	37	19.09	18.93	18.95	20.5	0						
15	16QAM	1	74	19.20	18.97	18.96								
15	16QAM	36	0	18.93	18.92	18.88								
15	16QAM	36	20	19.04	19.08	18.86								
15	16QAM	36	20	19.06	19.02	18.99	20.5	0						
15	16QAM	75	0	18.90	18.87	18.94								
15	64QAM	1	0	19.19	19.06	19.05								
15	64QAM	1	74	19.02	19.15	19.06								
15	64QAM	1	74	19.07	19.03	19.04	20.5	0						
15	64QAM	36	0	19.08	18.97	19.04								
15	64QAM	36	25	19.03	19.03	18.96								
15	64QAM	36	39	19.03	19.03	18.96								
15	64QAM	75	0	19.11	18.99	19.04	19	1.5						
15	256QAM	1	37	17.58	17.49	17.50								
15	256QAM	1	37	17.52	17.49	17.53								
15	256QAM	1	74	17.45	17.58	17.45								
15	256QAM	36	0	17.46	17.47	17.46	19	1.5						
15	256QAM	36	20	17.53	17.39	17.47								
15	256QAM	36	39	17.45	17.39	17.52								
15	256QAM	75	0	17.37	17.45	17.48								
Channel														
Frequency (MHz)														
15	QPSK	1	0	19.07	19.09	19.05	20.5	0						
15	QPSK	1	25	19.08	19.09	19.02								
15	QPSK	1	49	19.17	19.02	18.99								
15	QPSK	25	0	19.09	19.03	19.11								
15	QPSK	25	12	18.96	19.02	19.23	20.5	0						
15	QPSK	25	25	19.11	19.07	19.12								
15	QPSK	80	0	19.06	19.11	19.11								
15	16QAM	1	0	18.98	18.79	18.96								
15	16QAM	1	25	19.00	18.85	18.91	20.5	0						
15	16QAM	1	49	19.03	18.98	19.00								
15	16QAM	25	0	18.82	18.97	19.04								
15	16QAM	25	12	18.91	19.00	18.88								
15	16QAM	25	25	19.08	19.01	19.04	20.5	0						
15	16QAM	50	0	18.94	18.92	18.93								
15	64QAM	1	0	19.02	18.96	19.07								
15	64QAM	1	49	19.00	19.05	19.06								
15	64QAM	1	49	18.80	18.89	19.01	20.5	0						
15	64QAM	25	0	19.04	18.95	19.07								
15	64QAM	25	25	18.98	18.96	18.96								
15	64QAM	25	25	18.96	18.78	18.77								
15	64QAM	50	0	19.09	19.02	19.01	19	1.5						
15	256QAM	1	25	17.51	17.47	17.50								
15	256QAM	1	25	17.51	17.47	17.50								
15	256QAM	1	49	17.44	17.57	17.50								
15	256QAM	12	0	17.38	17.49	17.48	19	1.5						
15	256QAM	25	12	17.43	17.43	17.48								
15	256QAM	25	25	17.55	17.46	17.48								
15	256QAM	50	0	17.35	17.49	17.47								
Channel														
Frequency (MHz)														
5	QPSK	1	0	19.08	19.09	19.08	20.5	0						
5	QPSK	1	12	19.05	19.13	19.05								
5	QPSK	1	24	19.09	18.97	19.11								
5	QPSK	12	0	19.02	19.01	19.06								
5	QPSK	12	7	19.04	19.11	19.21	20.5	0						
5	QPSK	12	13	19.14	19.20	19.01								
5	QPSK	24	0	19.06	19.05	19.10								
5	16QAM	1	0	18.99	18.96	18.91								
5	16QAM	1	12	19.07	18.92	18.91	20.5	0						
5	16QAM	1	12	19.00	19.02	19.04								
5	16QAM	12	0	18.91	18.96	19.10								
5	16QAM	12	7	19.08	19.06	18.95								
5	16QAM	12	13	19.03	18.97	19.09	20.5	0						
5	16QAM	25	0	18.96	18.96	18.92								
5	64QAM	1	0	19.07	19.03	19.09								
5	64QAM	1	0	19.09	19.10	19.03								
5	64QAM	1	24	19.01	18.95	19.08	20.5	0						
5	64QAM	12	0	19.00	18.96	19.08								
5	64QAM	12	13	19.00	18.91	18.84								
5	64QAM	25	0	19.09	18.94	19.09								
5	256QAM	1	0	17.45	17.57	17.50	19	1.5						
5	256QAM	1	12	17.43	17.50	17.50								
5	256QAM	1	24	17.39	17.51	17.51								
5	256QAM	12	0	17.44	17.50	17.40								
5	256QAM	12	7	17.41	17.45	17.41	19	1.5						
5	256QAM	12	13	17.46	17.49	17.48								
5	256QAM	25	0	17.35	17.49	17.47								
5	256QAM	25	12	17.43	17.43	17.48								
5	256QAM	25	25	17.55	17.46	17.48								
5	256QAM	50	0	17.37	17.48	17.52								
Channel														
Frequency (MHz)														
3	QPSK	1	0	19.10	19.08	19.07	20.5	0						
3	QPSK	1	8	19.02	19.12	19.08								
3	QPSK	1	14	19.14	19.09	19.07								
3	QPSK	8	0	18.98	19.10	19.08								
3	QPSK	8	4	19.03	19.10	19.17	20.5	0						
3	QPSK	8	10	19.07	19.08	19.11								
3	QPSK	15	0	19.02	19.19	19.02								
3	16QAM	1	0	18.89	18.94	19.01								
3	16QAM	1	8	18.94	18.90	18.99	20.5	0						
3	16QAM	1	14	18.98	18.91	19.04								
3	16QAM	8	0	18.84	18.80	18.94								
3	16QAM	8	4	18.99	18.99	18.99								
3	16QAM	8	7	18.89	18.91	18.98	20.5	0						
3	16QAM	15	0	18.94	18.97	19.03								
3	64QAM	1	0	19.07	19.03	19.09								
3	64QAM	1	8	19.03	19.15	18.83								
3	64QAM	8	0	18.96	18.94	18.96	20.5	0						
3	64QAM	8	4	18.97	18.98	19.02								
3	64QAM	15	0	19.02	19.08	19.09								
3	64QAM	15	0	19.09	19.06	19.06								
3	256QAM	1	0	17.43	17.51	17.45	19	1.5						
3	256QAM	1	8	17.46	17.56	17.53								
3	256QAM	1	14	17.43	17.58	17.58								
3	256QAM	8	0	17.36	17.52	17.42								
3	256QAM	8	7	17.42	17.49	17.49	19	1.5						
3	256QAM	8	7	17.44	17.50	17.57								
3	256QAM	15	0	17.31	17.48	17.48								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	19.07	19.13	19.04			20.5	0				
1.4	QPSK	1	8	19.02	19.12	19.08								
1.4	QPSK	1	14	19.13	19.06	19.05								
1.4	QPSK	3	0	19.08	19.11	19.06								
1.4	QPSK	3	0	19.07	19.15	19.17	20.5	0						
1.4	QPSK	3	3	19.07	19.15	19.17								
1.4	QPSK	6	0	19.09	19.06	19.02								
1.4	QPSK	6	0	19.07	19.09	19.09								
1.4	16QAM	1	0	18.82	18.83	18.83	20.5	0						
1.4	16QAM	1	3	19.09	19.09	19.03								
1.4	16QAM	3	0	18.89	19.01	18.80								
1.4	16QAM	3	3	18.91	19.00	18.93								
1.4	16QAM	3	3	18.96	19.03	18.90	20.5	0						
1.4	16QAM	6	0	19.00	19.00	19.00								
1.4	16QAM	6	0	19.00	19.00	19.00								
1.4	16QAM	6	0	19.04	19.00	18.97								
1.4	256QAM	1	0	17.40	17.45	17.54	19	1.5						
1.4	256QAM	1	8	17.47	17.56	17.53								
1.4	256QAM	1	14	17.43	17.58	17.58								
1.4	256QAM	3	0	17.36	17.52	17.42								
1.4	256QAM	3	7	17.42	17.49	17.49	19	1.5						



Band 42 Ant 2 Hotspot									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	18.03	18.43	18.83	19	0	
20	QPSK	1	1	18.25	18.25	18.25			
20	QPSK	1	99	18.08	18.35	18.18	19	0	
20	QPSK	50	0	18.37	18.42	18.40			
20	QPSK	50	24	18.40	18.25	18.27	19	0	
20	QPSK	50	50	18.26	18.20	18.13			
20	QPSK	100	0	18.09	18.41	18.20	19	0	
20	16QAM	1	0	18.27	18.31	18.31			
20	16QAM	1	49	18.18	18.30	18.26	19	0	
20	16QAM	1	99	18.12	18.08	18.20			
20	16QAM	50	0	18.16	18.10	18.35	19	0	
20	16QAM	50	24	18.05	18.24	18.00			
20	16QAM	50	50	18.02	18.15	18.22	19	0	
20	16QAM	100	0	18.16	18.11	18.15			
20	64QAM	1	0	17.99	18.01	18.13	19	0	
20	64QAM	1	49	18.16	18.04	18.06			
20	64QAM	1	99	18.29	18.33	18.17	19	0	
20	64QAM	50	0	17.84	17.86	17.89			
20	64QAM	50	24	18.08	17.92	17.86	19	0	
20	64QAM	50	50	17.81	17.72	17.86			
20	64QAM	100	0	17.84	17.83	17.86	19	0	
20	256QAM	1	0	17.70	17.75	17.81			
20	256QAM	1	49	17.71	17.68	17.72	19	0	
20	256QAM	1	99	17.79	17.75	17.79			
20	256QAM	50	0	17.95	17.98	17.95	19	0	
20	256QAM	50	24	18.04	18.03	18.04			
20	256QAM	50	50	17.99	17.99	17.98	19	0	
20	256QAM	100	0	17.90	17.98	18.04			
Channel				42195	42595	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	18.03	18.26	18.26	19	0	
15	QPSK	1	37	18.00	18.09	18.08			
15	QPSK	1	74	17.95	18.37	18.07	19	0	
15	QPSK	36	0	18.29	18.37	18.11			
15	QPSK	36	20	18.27	18.33	18.19	19	0	
15	QPSK	36	39	18.19	18.02	18.10			
15	QPSK	75	0	17.99	17.95	18.12	19	0	
15	16QAM	1	1	18.15	18.26	18.16			
15	16QAM	1	37	17.97	17.91	18.12	19	0	
15	16QAM	1	74	17.80	18.10	17.95			
15	16QAM	36	0	17.88	18.02	18.17	19	0	
15	16QAM	36	20	17.84	17.67	18.04			
15	16QAM	36	39	18.00	17.90	18.26	19	0	
15	16QAM	75	0	17.93	18.08	18.16			
15	64QAM	1	0	17.84	18.01	18.04	19	0	
15	64QAM	1	37	17.85	17.92	18.18			
15	64QAM	1	74	18.15	18.20	18.01	19	0	
15	64QAM	36	0	17.82	17.54	17.68			
15	64QAM	36	20	17.69	17.64	17.64	19	0	
15	64QAM	36	39	17.85	17.69	17.59			
15	64QAM	75	0	17.84	17.67	17.80	19	0	
15	256QAM	1	0	17.56	17.67	17.70			
15	256QAM	1	37	17.64	17.52	17.63	19	0	
15	256QAM	1	74	17.69	17.66	17.64			
15	256QAM	36	0	17.84	17.91	17.88	19	0	
15	256QAM	36	20	17.88	17.90	17.88			
15	256QAM	36	39	17.89	17.94	17.94	19	0	
15	256QAM	75	0	17.83	17.88	17.90			
Channel				42140	42590	43040			
Frequency (MHz)				3445	3490	3545			
10	QPSK	1	0	18.02	18.20	18.11	19	0	
10	QPSK	1	25	18.12	18.10	18.34			
10	QPSK	1	49	17.99	18.16	18.02	19	0	
10	QPSK	25	0	18.27	18.17	18.24			
10	QPSK	25	12	18.25	18.06	18.20	19	0	
10	QPSK	25	25	18.14	18.19	17.97			
10	QPSK	50	0	18.14	18.25	18.24	19	0	
10	16QAM	1	0	18.15	18.16	18.08			
10	16QAM	1	25	18.01	18.06	18.16	19	0	
10	16QAM	1	49	18.05	18.00	18.27			
10	16QAM	25	0	18.10	17.95	18.28	19	0	
10	16QAM	25	12	17.82	17.93	17.91			
10	16QAM	25	25	17.88	17.96	18.26	19	0	
10	16QAM	50	0	18.05	18.07	18.16			
10	64QAM	1	0	17.81	17.97	17.90	19	0	
10	64QAM	1	25	18.10	17.91	18.02			
10	64QAM	1	49	18.03	18.21	17.95	19	0	
10	64QAM	25	0	17.58	17.71	17.72			
10	64QAM	25	12	17.83	17.57	17.80	19	0	
10	64QAM	25	25	17.42	17.72	17.63			
10	64QAM	50	0	17.70	17.82	17.73	19	0	
10	256QAM	1	0	17.52	17.55	17.67			
10	256QAM	1	25	17.51	17.59	17.53	19	0	
10	256QAM	1	49	17.59	17.62	17.67			
10	256QAM	25	0	17.82	17.88	17.82	19	0	
10	256QAM	25	12	17.94	17.83	17.86			
10	256QAM	25	25	17.89	17.81	17.78	19	0	
10	256QAM	50	0	17.76	17.82	17.84			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	18.17	18.36	18.15	19	0	
5	QPSK	1	12	18.09	18.05	18.17			
5	QPSK	1	24	19.99	18.22	18.02	19	0	
5	QPSK	12	0	18.18	18.16	18.25			
5	QPSK	12	7	18.23	18.14	18.06	19	0	
5	QPSK	12	13	18.04	18.18	18.13			
5	QPSK	25	0	18.13	18.16	18.21	19	0	
5	16QAM	1	0	18.09	18.28	18.25			
5	16QAM	1	12	17.87	18.26	18.15	19	0	
5	16QAM	1	24	17.88	18.05	18.04			
5	16QAM	12	0	18.08	17.90	18.05	19	0	
5	16QAM	12	7	17.77	17.92	17.97			
5	16QAM	12	13	17.97	17.95	18.06	19	0	
5	16QAM	25	0	17.86	18.01	18.24			
5	64QAM	1	12	18.06	17.96	17.97	19	0	
5	64QAM	1	24	18.14	17.97	18.01			
5	64QAM	12	0	17.50	17.74	17.69	19	0	
5	64QAM	12	7	17.70	17.57	17.77			
5	64QAM	12	13	17.61	17.76	17.63	19	0	
5	64QAM	25	0	17.71	17.62	17.72			
5	256QAM	1	0	17.51	17.57	17.59	19	0	
5	256QAM	1	12	17.51	17.44	17.48			
5	256QAM	1	24	17.55	17.54	17.57	19	0	
5	256QAM	12	0	17.73	17.84	17.77			
5	256QAM	12	7	17.81	17.79	17.86	19	0	
5	256QAM	12	13	17.85	17.84	17.82			
5	256QAM	25	0	17.68	17.79	17.87	19	0	

Band 42 Ant 2 FCC Sensor&Handheld									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	20.19	20.26	20.30	21.5	0	

Band 7 Ant 5 Sensor&Hotspot&Handheld

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.93	19.11	18.93	20	0
20	QPSK	1	49	18.97	18.91	18.96		
20	QPSK	1	99	19.01	19.08	18.92		
20	QPSK	50	0	19.01	19.10	19.04		
20	QPSK	50	24	18.86	18.96	18.93	20	0
20	QPSK	50	50	18.94	19.03	18.94		
20	QPSK	100	0	18.79	19.06	18.86		
20	16QAM	1	0	18.87	18.86	18.81		
20	16QAM	1	49	18.93	18.94	18.76	20	0
20	16QAM	1	99	18.88	18.93	18.99		
20	16QAM	50	0	18.85	18.97	18.80		
20	16QAM	50	24	18.82	18.83	18.86		
20	16QAM	50	50	18.85	18.91	18.83	20	0
20	16QAM	100	0	18.97	18.91	18.98		
20	64QAM	1	0	18.72	18.88	18.86		
20	64QAM	1	49	18.87	18.94	18.85	20	0
20	64QAM	1	99	18.72	18.83	18.76		
20	64QAM	50	0	18.77	18.77	18.69		
20	64QAM	50	24	18.88	18.87	18.69		
20	64QAM	50	50	18.76	18.83	18.91	20	0
20	64QAM	100	0	18.62	18.78	18.73		
20	256QAM	1	0	17.98	18.03	18.02		
20	256QAM	1	49	17.84	17.92	17.90	19	1
20	256QAM	1	99	18.03	18.05	18.01		
20	256QAM	50	0	18.06	18.04	18.10		
20	256QAM	50	24	18.08	18.10	18.17		
20	256QAM	50	50	18.15	18.12	18.09	19	1
20	256QAM	100	0	18.03	18.07	18.10		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.76	18.96	18.80	20	0
15	QPSK	1	37	18.85	18.74	18.83		
15	QPSK	1	74	18.85	18.96	18.77		
15	QPSK	36	0	18.83	18.94	18.93		
15	QPSK	36	20	18.75	18.86	18.84	20	0
15	QPSK	36	39	18.79	18.95	18.86		
15	QPSK	75	0	18.63	18.86	18.71		
15	16QAM	1	0	18.77	18.76	18.69		
15	16QAM	1	37	18.83	18.78	18.66	20	0
15	16QAM	1	74	18.75	18.81	18.92		
15	16QAM	36	0	18.75	18.85	18.67		
15	16QAM	36	20	18.70	18.69	18.71		
15	16QAM	36	39	18.69	18.80	18.88	20	0
15	16QAM	75	0	18.84	18.77	18.87		
15	64QAM	1	0	18.60	18.79	18.73		
15	64QAM	1	37	18.74	18.82	18.71	20	0
15	64QAM	1	74	18.56	18.77	18.60		
15	64QAM	36	0	18.67	18.63	18.62		
15	64QAM	36	20	18.70	18.79	18.53		
15	64QAM	36	39	18.65	18.73	18.74	20	0
15	64QAM	75	0	18.48	18.72	18.55		
15	256QAM	1	0	17.83	17.95	17.88		
15	256QAM	1	37	17.76	17.86	17.76	19	1
15	256QAM	1	74	17.92	17.95	17.86		
15	256QAM	36	0	18.02	17.91	17.99		
15	256QAM	36	20	17.96	18.03	18.11		
15	256QAM	36	39	18.00	18.01	17.97	19	1
15	256QAM	75	0	17.90	17.95	18.04		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.79	18.93	18.73	20	0
10	QPSK	1	25	18.77	18.84	18.84		
10	QPSK	1	49	18.86	18.89	18.80		
10	QPSK	25	0	18.84	18.96	18.91		
10	QPSK	25	12	18.75	18.80	18.82	20	0
10	QPSK	25	25	18.84	18.89	18.89		
10	QPSK	50	0	18.62	18.79	18.70		
10	16QAM	1	0	18.76	18.66	18.74		
10	16QAM	1	25	18.85	18.89	18.57	20	0
10	16QAM	1	49	18.78	18.85	18.85		
10	16QAM	25	0	18.70	18.79	18.63		
10	16QAM	25	12	18.62	18.76	18.72		
10	16QAM	25	25	18.72	18.83	18.70	20	0
10	16QAM	50	0	18.78	18.74	18.90		
10	64QAM	1	0	18.65	18.83	18.72		
10	64QAM	1	25	18.81	18.80	18.78	20	0
10	64QAM	1	49	18.53	18.72	18.60		
10	64QAM	25	0	18.70	18.65	18.52		
10	64QAM	25	12	18.68	18.74	18.52		
10	64QAM	25	25	18.71	18.76	18.86	20	0
10	64QAM	50	0	18.53	18.69	18.59		
10	256QAM	1	0	17.81	17.87	17.84		
10	256QAM	1	25	17.60	17.74	17.75	19	1
10	256QAM	1	49	17.80	17.88	17.78		
10	256QAM	25	0	17.84	17.87	17.90		
10	256QAM	25	12	17.83	17.90	17.97		
10	256QAM	25	25	18.00	17.97	17.90	19	1
10	256QAM	50	0	17.78	17.91	17.91		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.87	19.05	18.78	20	0
5	QPSK	1	12	18.84	18.81	18.91		
5	QPSK	1	24	18.86	18.85	18.85		
5	QPSK	12	0	18.86	18.86	18.97		
5	QPSK	12	7	18.66	18.89	18.76	20	0
5	QPSK	12	13	18.77	18.95	18.88		
5	QPSK	25	0	18.68	18.81	18.77		
5	16QAM	1	0	18.74	18.66	18.71		
5	16QAM	1	12	18.85	18.75	18.55	20	0
5	16QAM	1	24	18.62	18.78	18.91		
5	16QAM	12	0	18.77	18.82	18.86		
5	16QAM	12	7	18.66	18.72	18.69		
5	16QAM	12	13	18.71	18.75	18.71	20	0
5	16QAM	25	0	18.92	18.73	18.81		
5	64QAM	1	0	18.51	18.76	18.77		
5	64QAM	1	12	18.81	18.76	18.65	20	0
5	64QAM	1	24	18.60	18.75	18.61		
5	64QAM	12	0	18.71	18.61	18.59		
5	64QAM	12	7	18.76	18.76	18.62		
5	64QAM	12	13	18.61	18.63	18.80	20	0
5	64QAM	25	0	18.46	18.66	18.66		
5	256QAM	1	0	17.63	17.70	17.69		
5	256QAM	1	12	17.48	17.51	17.58	19	1
5	256QAM	1	24	17.64	17.67	17.64		
5	256QAM	12	0	17.71	17.71	17.76		
5	256QAM	12	7	17.77	17.72	17.81		
5	256QAM	12	13	17.75	17.80	17.73	19	1
5	256QAM	25	0	17.69	17.69	17.77		

Band 38 Ant 5 Sensor&Hotspot&Handheld											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co./Freq	Power Middle Co./Freq	Power High Co./Freq		Tune-up limit (dbm)	MPR (db)		
Channel											
Frequency (MHz)											
20	QPSK	1	0	21.93	22.25	21.95		23	0		
20	QPSK	1	49	22.01	21.77	22.08					
20	QPSK	1	99	21.81	21.92	21.88					
20	QPSK	50	0	22.04	22.09	21.93					
20	QPSK	50	24	21.89	21.76	21.73		23	0		
20	QPSK	50	50	21.95	21.89	21.94					
20	QPSK	100	0	21.83	21.99	21.87					
20	16QAM	1	0	21.77	21.64	21.61					
20	16QAM	1	49	21.71	21.84	21.83		23	0		
20	16QAM	1	99	21.66	21.94	21.81					
20	16QAM	50	0	21.60	21.74	21.69					
20	16QAM	50	24	21.62	21.73	21.67					
20	16QAM	50	50	21.72	21.60	21.67		22	1		
20	16QAM	100	0	21.58	21.73	21.62					
20	64QAM	1	0	21.84	21.72	21.76					
20	64QAM	1	49	21.75	21.77	21.81					
20	64QAM	1	99	21.48	21.50	21.70		22	1		
20	64QAM	50	0	20.84	20.67	20.69					
20	64QAM	50	24	20.76	20.79	20.57					
20	64QAM	50	50	20.67	20.40	20.75					
20	64QAM	100	0	20.66	20.74	20.67		19	4		
20	256QAM	1	0	18.07	18.05	17.76					
20	256QAM	1	49	18.00	18.13	18.02					
20	256QAM	1	99	17.99	18.00	17.96					
20	256QAM	50	0	18.22	18.23	18.19		21	2		
20	256QAM	50	24	18.26	18.35	18.30					
20	256QAM	50	50	18.15	18.36	18.25					
20	256QAM	100	0	18.08	18.27	18.15					
Channel											
Frequency (MHz)											
15	QPSK	1	0	21.66	21.81	21.81		23	0		
15	QPSK	1	49	21.75	21.87	21.84					
15	QPSK	1	74	21.49	21.63	21.58					
15	QPSK	36	0	21.85	21.96	21.74					
15	QPSK	36	20	21.80	21.61	21.52		23	0		
15	QPSK	36	39	21.85	21.58	21.71					
15	QPSK	75	0	21.83	21.74	21.77					
15	16QAM	1	0	21.80	21.42	21.37					
15	16QAM	1	37	21.40	21.62	21.74		23	0		
15	16QAM	1	74	21.81	21.76	21.63					
15	16QAM	36	0	21.45	21.54	21.36					
15	16QAM	36	20	21.39	21.69	21.59					
15	16QAM	36	39	21.51	21.31	21.40		22	1		
15	16QAM	75	0	21.43	21.53	21.46					
15	64QAM	1	37	21.67	21.56	21.55					
15	64QAM	1	74	21.38	21.23	21.26					
15	64QAM	36	0	20.76	20.76	20.57		21	2		
15	64QAM	36	20	20.82	20.65	20.57					
15	64QAM	36	39	20.39	20.15	20.55					
15	64QAM	75	0	20.43	20.45	20.66					
15	256QAM	1	0	18.11	18.03	18.14		19	4		
15	256QAM	1	37	18.00	18.17	17.94					
15	256QAM	1	74	17.95	18.00	17.98					
15	256QAM	50	0	18.15	18.39	18.34					
15	256QAM	36	20	18.27	18.39	18.34		19	4		
15	256QAM	36	39	18.17	18.34	18.20					
15	256QAM	75	0	18.13	18.17	18.10					
15	256QAM	75	0	18.13	18.17	18.10					
Channel											
Frequency (MHz)											
5	QPSK	1	0	21.35	21.47	21.53		23	0		
5	QPSK	1	12	21.43	21.11	21.33					
5	QPSK	1	24	21.07	21.30	21.06					
5	QPSK	12	0	21.55	21.35	21.53					
5	QPSK	12	7	21.34	21.32	21.21		23	0		
5	QPSK	12	13	21.43	21.17	21.39					
5	QPSK	25	0	21.31	21.20	21.42					
5	16QAM	1	0	21.20	21.07	21.13					
5	16QAM	1	12	21.02	21.25	21.39		23	0		
5	16QAM	1	24	21.38	21.52	21.27					
5	16QAM	12	0	21.09	21.12	20.97					
5	16QAM	12	7	21.04	21.02	21.19					
5	16QAM	12	13	21.11	20.89	21.12		22	1		
5	16QAM	25	0	21.03	21.08	21.16					
5	64QAM	1	0	21.04	21.05	21.12					
5	64QAM	1	12	21.16	21.28	21.22					
5	64QAM	1	24	20.83	20.79	21.28		21	2		
5	64QAM	12	0	20.14	19.85	20.16					
5	64QAM	12	7	20.01	20.23	19.78					
5	64QAM	12	13	20.10	19.89	20.20					
5	256QAM	1	0	18.06	18.16	17.98		19	4		
5	256QAM	1	12	18.03	18.17	17.98					
5	256QAM	1	24	17.98	18.01	18.00					
5	256QAM	12	0	18.21	18.30	18.19					
5	256QAM	12	7	18.20	18.31	18.30		19	4		
5	256QAM	12	13	18.20	18.30	18.29					
5	256QAM	25	0	18.13	18.16	18.13					
5	256QAM	25	0	18.13	18.16	18.13					

Band 41 Ant 5 Sensor&Hotspot&Handheld													
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													
				Frequency (MHz)									
20	QPSK	1	0	22.01	22.24	22.37	22.25	22.07	23	0			
20	QPSK	1	49	22.17	22.17	22.02	22.17	22.03					
20	QPSK	1	99	22.02	22.08	22.10	22.19	22.08					
20	QPSK	50	0	22.18	22.23	22.35	22.18	22.31					
20	QPSK	50	24	21.88	22.07	21.85	22.05	22.10	23	0			
20	QPSK	50	50	21.93	22.14	22.01	22.22	22.17					
20	QPSK	100	0	21.96	22.03	22.10	21.97	22.04					
20	16QAM	1	0	21.75	21.88	21.87	21.71	21.86					
20	16QAM	1	49	21.87	21.83	22.04	21.95	22.01	23	1			
20	16QAM	1	99	21.96	22.16	22.03	22.17	22.04					
20	16QAM	50	0	21.82	21.79	21.90	21.91	21.96					
20	16QAM	50	24	21.75	21.92	21.93	21.87	21.83					
20	16QAM	50	50	21.98	21.96	21.92	21.95	21.91	22	1			
20	16QAM	100	0	21.91	21.94	21.99	21.94	21.97					
20	64QAM	1	0	21.85	21.39	21.95	21.93	22.00					
20	64QAM	1	49	21.92	21.98	21.95	21.96	21.99					
20	64QAM	1	99	21.72	21.71	21.81	21.81	21.71	22	1			
20	64QAM	50	0	20.92	20.94	20.82	21.00	20.94					
20	64QAM	50	24	21.00	21.00	20.98	20.82	20.99					
20	64QAM	50	50	21.72	20.78	20.71	20.94	20.84					
20	256QAM	100	0	20.80	20.80	20.84	21.00	20.89	21	2			
20	256QAM	1	0	18.21	18.23	18.27	18.15	18.20					
20	256QAM	1	49	18.13	18.25	18.34	18.24	18.27					
20	256QAM	1	99	18.04	18.17	18.21	18.09	18.09					
20	256QAM	50	0	18.35	18.34	18.45	18.24	18.45	19	4			
20	256QAM	50	24	18.17	18.34	18.34	18.25	18.25					
20	256QAM	50	50	18.34	18.37	18.41	18.25	18.25					
20	256QAM	100	0	18.17	18.35	18.32	18.32	18.18					
Channel													
				Frequency (MHz)					Tune-up limit (dbm)	MPR (db)			
15	QPSK	1	0	22.12	22.12	22.18	22.12	22.17	23.00	0			
15	QPSK	1	74	21.89	21.78	22.01	21.98	21.87					
15	QPSK	36	1	21.80	22.05	22.06	21.87	22.14					
15	QPSK	36	21	21.82	21.92	21.88	21.90	21.82					
15	QPSK	36	36	21.88	22.01	21.76	22.12	21.87	23	0			
15	QPSK	75	0	21.87	21.99	21.87	21.86	21.82					
15	QPSK	1	21	21.81	21.71	21.69	21.74	21.66					
15	16QAM	1	37	21.64	21.67	21.95	21.83	21.85					
15	16QAM	1	74	21.83	21.87	21.84	21.86	21.74	22	1			
15	16QAM	36	1	21.72	21.52	21.70	21.72	21.58					
15	16QAM	36	20	21.44	21.60	21.71	21.59	21.65					
15	16QAM	36	37	21.62	21.85	21.74	21.76	21.66					
15	16QAM	75	0	21.61	21.57	21.80	21.72	21.50	22	1			
15	16QAM	1	21	21.64	21.74	21.76	21.64	21.76					
15	64QAM	1	37	21.62	21.74	21.69	21.80	21.80					
15	64QAM	1	74	21.47	21.51	21.52	21.74	21.63					
15	64QAM	36	0	20.80	20.80	20.74	20.94	20.89	21	2			
15	64QAM	36	20	20.80	20.77	20.69	20.72	20.78					
15	64QAM	36	36	20.82	20.55	20.53	20.74	20.66					
15	256QAM	1	0	18.58	18.20	18.24	18.02	18.05					
15	256QAM	1	74	18.09	18.17	18.18	18.10	18.14	19	4			
15	256QAM	1	99	18.26	18.34	18.38	18.24	18.34					
15	256QAM	36	0	18.16	18.32	18.34	18.23	18.25					
15	256QAM	36	20	18.28	18.29	18.43	18.38	18.26					
15	256QAM	75	0	18.14	18.35	18.37	18.33	18.15	23.00	0			
				Frequency (MHz)							Tune-up limit (dbm)	MPR (db)	
10	QPSK	1	0	20.00	20.00	20.00	20.00	20.00			23.00	0	
10	QPSK	1	21	21.01	21.82	22.00	22.03	21.69					
10	QPSK	1	26	21.01	21.81	21.67	21.93	21.61					
10	QPSK	1	49	21.71	21.64	21.86	21.79	21.72					
10	QPSK	25	0	21.80	21.75	21.98	21.81	21.96	23	0			
10	QPSK	25	12	21.64	21.65	21.58	21.68	21.78					
10	QPSK	25	25	21.63	21.81	21.49	21.81	21.61					
10	QPSK	50	0	21.63	21.77	21.63	21.67	21.76					
10	16QAM	1	0	21.36	21.58	21.47	21.62	21.48	23	0			
10	16QAM	1	21	21.51	21.71	21.78	21.59	21.53					
10	16QAM	1	49	21.64	21.77	21.57	21.77	21.64					
10	16QAM	25	0	21.26	21.30	21.48	21.62	21.66					
10	16QAM	25	12	21.32	21.51	21.49	21.49	21.51	22	1			
10	16QAM	25	25	21.47	21.62	21.62	21.51	21.51					
10	16QAM	50	0	21.45	21.32	21.65	21.54	21.37					
10	64QAM	1	0	21.54	21.34	21.49	21.67	21.45					
10	64QAM	1	25	21.51	21.31	21.50	21.63	21.39	21	2			
10	64QAM	1	49	21.49	21.48	21.35	21.54	21.44					
10	64QAM	25	0	20.63	20.36	20.44	20.49	20.39					
10	64QAM	25	12	20.64	20.37	20.36	20.39	20.36					
10	64QAM	25	25	20.42	20.42	20.29	20.81	20.50	19	4			
10	64QAM	50	0	20.27	20.55	20.47	20.74	20.49					
10	256QAM	1	0	18.10	18.13	18.19	18.15	18.18					
10	256QAM	1	49	18.25	18.33	18.33	18.25	18.25					
10	256QAM	1	49	18.15	18.08	18.11	18.11	18.14	23.00	0			
10	256QAM	25	0	18.26	18.26	18.36	18.35	18.34					
10	256QAM	25	12	18.26	18.26	18.26	18.26	18.26					
10	256QAM	25	25	18.33	18.33	18.40	18.45	18.40					
10	256QAM	50	0	18.23	18.33	18.39	18.35	18.18	23.00	0			
				Frequency (MHz)							Tune-up limit (dbm)	MPR (db)	
5	QPSK	1	0	21.59	21.68	21.71	21.90	21.90			23.00	0	
5	QPSK	1	12	21.57	21.64	21.44	21.73	21.55					
5	QPSK	1	24	21.52	21.56	21.60	21.74	21.54					
5	QPSK	1	24	21.52	21.44	21.72	21.49	21.89					
5	QPSK	12	7	21.41	21.56	21.45	21.42	21.60	23	0			
5	QPSK	12	13	21.44	21.50	21.38	21.61	21.46					
5	QPSK	25	0	21.51	21.56	21.46	21.36	21.57					
5	QPSK	1	0	21.10	21.48	21.20	21.42	21.31					
5	16QAM	1	12	21.22	21.28	21.54	21.36	21.34	22	1			
5	16QAM	1	24	21.21	21.21	21.23	21.27	21.27					
5	16QAM	12	0	21.09	21.15	21.30	21.32	21.37					
5	16QAM	12	7	21.18	21.26	21.33	21.15	21.22					
5	16QAM	12	13	21.33	21.48	21.41	21.22	21.37	22	1			
5	16QAM	25	0	21.13	21.03	21.49	21.03	21.16					
5	64QAM	1	0	21.37	21.33	21.35	21.40	21.13					
5	64QAM	1	12	21.15	21.43	21.18	21.22	21.62					
5	64QAM	1	24	21.15	21.25	21.13	21.25	21.23	22	1			
5	64QAM	12	0	20.42	20.05	20.13	20.20	20.20					
5	64QAM	12	7	20.43	20.33	20.07	20.46	20.36					
5	64QAM	25	0	20.17	20.24	20.20	20.24	20.11					
5	256QAM	1	0	18.15	18.23	18.27	18.08	18.25	19	4			
5	256QAM	1	12	18.17	18.16	18.24	18.16	18.34					
5	256QAM	1	24	18.04	18.16	18.18	18.16	18.16					
5	256QAM	12	0	18.24	18.37	18.43	18.24	18.44					
5	256QAM	12	7	18.22	18.28	18.39	18.26	18.26	19	4			
5	256QAM	12	13	18.24	18.25	18.36	18.24	18.24					
5	256QAM	25	0	18.12	18.38	18.33	18.34	18.27					
5	256QAM	25	7	18.12	18.38	18.33	18.34	18.27					

Band 38 Ant 5 HPUE Sensor&Hotspot&Handheld

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	Tune-up level (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.88	22.10	21.95	23	0
20	QPSK	1	49	21.83	21.78	21.88		
20	QPSK	1	99	21.93	22.02	21.83		
20	QPSK	50	0	21.75	22.09	21.97		
20	QPSK	50	24	21.85	21.92	22.04		
20	QPSK	50	50	22.00	21.76	21.84	23	0
20	QPSK	100	0	21.70	21.97	21.86		
20	16QAM	1	0	21.76	21.77	21.87		
20	16QAM	1	49	21.80	22.02	22.04		
20	16QAM	1	99	21.85	21.91	21.75		
20	16QAM	50	0	21.99	21.98	21.93	23	0
20	16QAM	50	24	21.78	21.82	21.83		
20	16QAM	50	50	21.85	21.80	21.81		
20	16QAM	100	0	21.68	21.95	21.87		
20	64QAM	1	0	21.78	21.63	21.63		
20	64QAM	1	49	21.66	21.97	21.70	23	0
20	64QAM	1	99	21.77	21.69	21.88		
20	64QAM	50	0	21.70	21.84	21.92		
20	64QAM	50	24	21.56	21.84	21.68		
20	64QAM	50	50	21.84	21.96	21.64		
20	64QAM	100	0	21.75	21.81	21.93	23	0
20	256QAM	1	0	21.27	21.30	21.33		
20	256QAM	1	49	21.29	21.26	21.31		
20	256QAM	1	99	21.25	21.27	21.28		
20	256QAM	50	24	21.48	21.45	21.46		
20	256QAM	50	50	21.30	21.34	21.33	22	1
20	256QAM	100	0	21.40	21.41	21.37		
Channel				37925	38000	38075		
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.63	21.79	21.68	23	0
15	QPSK	1	37	21.61	21.68	21.59		
15	QPSK	1	74	21.63	21.73	21.80		
15	QPSK	36	0	21.64	21.82	21.65		
15	QPSK	36	20	21.66	21.70	21.92		
15	QPSK	36	39	21.72	21.45	21.60	23	0
15	QPSK	75	0	21.43	21.87	21.84		
15	16QAM	36	0	21.55	21.56	21.70		
15	16QAM	1	37	21.80	21.92	21.92		
15	16QAM	1	74	21.46	21.64	21.46		
15	16QAM	36	0	21.70	21.88	21.80	23	0
15	16QAM	36	20	21.56	21.66	21.75		
15	16QAM	36	39	21.53	21.56	21.68		
15	16QAM	75	0	21.53	21.75	21.75		
15	64QAM	1	0	21.46	21.55	21.52		
15	64QAM	1	37	21.41	21.89	21.60	23	0
15	64QAM	1	74	21.56	21.42	21.80		
15	64QAM	36	0	21.42	21.64	21.60		
15	64QAM	36	20	21.26	21.67	21.43		
15	64QAM	36	39	21.76	21.67	21.41		
15	64QAM	75	0	21.52	21.55	21.62	23	0
15	256QAM	1	0	21.24	21.30	21.25		
15	256QAM	1	37	21.33	21.37	21.31		
15	256QAM	1	74	21.24	21.24	21.17		
15	256QAM	36	0	21.34	21.41	21.39		
15	256QAM	36	20	21.51	21.36	21.47	22	1
15	256QAM	36	39	21.37	21.30	21.43		
15	256QAM	75	0	21.32	21.40	21.36		
Channel				37900	38000	38000		
Frequency (MHz)				25975	2595	2615		
10	QPSK	1	0	21.47	21.58	21.42	23	0
10	QPSK	1	25	21.37	21.39	21.51		
10	QPSK	1	49	21.40	21.56	21.32		
10	QPSK	25	0	21.55	21.71	21.86		
10	QPSK	25	12	21.35	21.58	21.77		
10	QPSK	25	25	21.45	21.34	21.35	23	0
10	QPSK	50	0	21.19	21.67	21.34		
10	16QAM	1	0	21.36	21.38	21.62		
10	16QAM	1	25	21.54	21.70	21.81		
10	16QAM	1	49	21.44	21.47	21.52		
10	16QAM	25	0	21.62	21.70	21.52	23	0
10	16QAM	25	12	21.33	21.32	21.64		
10	16QAM	25	25	21.40	21.30	21.46		
10	16QAM	50	0	21.26	21.49	21.44		
10	64QAM	1	0	21.15	21.27	21.21		
10	64QAM	1	25	21.28	21.64	21.38	23	0
10	64QAM	1	49	21.28	21.17	21.49		
10	64QAM	25	0	21.34	21.47	21.40		
10	64QAM	25	12	21.21	21.36	21.20		
10	64QAM	25	25	21.64	21.56	21.28		
10	64QAM	50	0	21.28	21.27	21.46	22	1
10	256QAM	1	0	21.20	21.31	21.26		
10	256QAM	1	25	21.33	21.38	21.31		
10	256QAM	1	49	21.24	21.21	21.13		
10	256QAM	25	0	21.42	21.50	21.39		
10	256QAM	25	12	21.47	21.38	21.41	22	1
10	256QAM	25	25	21.32	21.37	21.36		
10	256QAM	50	0	21.30	21.34	21.26		
Channel				37775	38000	38225		
Frequency (MHz)				25772.5	2595	2617.5		
5	QPSK	1	0	21.17	21.29	21.19	23	0
5	QPSK	1	12	21.07	21.26	21.24		
5	QPSK	1	24	21.18	21.36	21.20		
5	QPSK	12	0	21.26	21.51	21.26		
5	QPSK	12	7	21.13	21.32	21.57		
5	QPSK	12	13	21.19	21.14	21.19	23	0
5	QPSK	25	0	21.09	21.39	21.20		
5	16QAM	1	0	21.11	21.16	21.44		
5	16QAM	1	12	21.45	21.40	21.52		
5	16QAM	1	24	21.16	21.34	21.33		
5	16QAM	12	0	21.32	21.53	21.32	23	0
5	16QAM	12	7	21.19	21.11	21.51		
5	16QAM	12	13	21.22	21.19	21.23		
5	16QAM	25	0	21.11	21.32	21.32		
5	64QAM	1	0	21.08	21.14	21.08		
5	64QAM	1	12	21.02	21.32	21.14	23	0
5	64QAM	1	24	21.07	21.06	21.23		
5	64QAM	12	0	21.18	21.29	21.23		
5	64QAM	12	7	21.08	21.26	21.12		
5	64QAM	12	13	21.46	21.30	21.19		
5	64QAM	25	0	21.12	21.11	21.17	23	0
5	256QAM	1	0	21.25	21.30	21.26		
5	256QAM	1	12	21.26	21.32	21.35		
5	256QAM	1	24	21.12	21.24	21.20		
5	256QAM	12	0	21.34	21.36	21.41		
5	256QAM	12	7	21.45	21.50	21.48	22	1
5	256QAM	12	13	21.32	21.28	21.40		
5	256QAM	25	0	21.28	21.34	21.35		

[illegible]

Band 4 Ant0 for ENDC Sensor&Hotspot													
RF BPF	Antenna	Ch	RF Ch	Power Frac. (dBm)	Power Frac. (dBm)	Power Frac. (dBm)	Temp. (dB)	Ant. (dB)	Ant. (dB)				
Frequency (MHz)													
20	GP1R1	1	0	18.21	17.92	18.25							
20	GP1R1	1	49	18.21	18.25	18.25	12	0					
20	GP1R1	1	99	18.21	18.25	18.25	12	0					
20	GP1R1	1	149	18.21	18.25	18.25	12	0					
20	GP1R1	50	24	18.34	18.38	18.34							
20	GP1R1	50	74	18.34	18.38	18.34							
20	GP1R1	50	124	18.34	18.38	18.34							
20	GP1R1	50	174	18.34	18.38	18.34							
20	GP1R1	50	224	18.34	18.38	18.34							
20	GP1R1	50	274	18.34	18.38	18.34							
20	GP1R1	50	324	18.34	18.38	18.34							
20	GP1R1	50	374	18.34	18.38	18.34							
20	GP1R1	50	424	18.34	18.38	18.34							
20	GP1R1	50	474	18.34	18.38	18.34							
20	GP1R1	50	524	18.34	18.38	18.34							
20	GP1R1	50	574	18.34	18.38	18.34							
20	GP1R1	50	624	18.34	18.38	18.34							
20	GP1R1	50	674	18.34	18.38	18.34							
20	GP1R1	50	724	18.34	18.38	18.34							
20	GP1R1	50	774	18.34	18.38	18.34							
20	GP1R1	50	824	18.34	18.38	18.34							
20	GP1R1	50	874	18.34	18.38	18.34							
20	GP1R1	50	924	18.34	18.38	18.34							
20	GP1R1	50	974	18.34	18.38	18.34							
20	GP1R1	50	1024	18.34	18.38	18.34							
20	GP1R1	50	1074	18.34	18.38	18.34							
20	GP1R1	50	1124	18.34	18.38	18.34							
20	GP1R1	50	1174	18.34	18.38	18.34							
20	GP1R1	50	1224	18.34	18.38	18.34							
20	GP1R1	50	1274	18.34	18.38	18.34							
20	GP1R1	50	1324	18.34	18.38	18.34							
20	GP1R1	50	1374	18.34	18.38	18.34							
20	GP1R1	50	1424	18.34	18.38	18.34							
20	GP1R1	50	1474	18.34	18.38	18.34							
20	GP1R1	50	1524	18.34	18.38	18.34							
20	GP1R1	50	1574	18.34	18.38	18.34							
20	GP1R1	50	1624	18.34	18.38	18.34							
20	GP1R1	50	1674	18.34	18.38	18.34							
20	GP1R1	50	1724	18.34	18.38	18.34							
20	GP1R1	50	1774	18.34	18.38	18.34							
20	GP1R1	50	1824	18.34	18.38	18.34							
20	GP1R1	50	1874	18.34	18.38	18.34							
20	GP1R1	50	1924	18.34	18.38	18.34							
20	GP1R1	50	1974	18.34	18.38	18.34							
20	GP1R1	50	2024	18.34	18.38	18.34							
20	GP1R1	50	2074	18.34	18.38	18.34							
20	GP1R1	50	2124	18.34	18.38	18.34							
20	GP1R1	50	2174	18.34	18.38	18.34							
20	GP1R1	50	2224	18.34	18.38	18.34							
20	GP1R1	50	2274	18.34	18.38	18.34							
20	GP1R1	50	2324	18.34	18.38	18.34							
20	GP1R1	50	2374	18.34	18.38	18.34							
20	GP1R1	50	2424	18.34	18.38	18.34							
20	GP1R1	50	2474	18.34	18.38	18.34							
20	GP1R1	50	2524	18.34	18.38	18.34							
20	GP1R1	50	2574	18.34	18.38	18.34							
20	GP1R1	50	2624	18.34	18.38	18.34							
20	GP1R1	50	2674	18.34	18.38	18.34							
20	GP1R1	50	2724	18.34	18.38	18.34							
20	GP1R1	50	2774	18.34	18.38	18.34							
20	GP1R1	50	2824	18.34	18.38	18.34							
20	GP1R1	50	2874	18.34	18.38	18.34							
20	GP1R1	50	2924	18.34	18.38	18.34							
20	GP1R1	50	2974	18.34	18.38	18.34							
20	GP1R1	50	3024	18.34	18.38	18.34							
20	GP1R1	50	3074	18.34	18.38	18.34							
20	GP1R1	50	3124	18.34	18.38	18.34							
20	GP1R1	50	3174	18.34	18.38	18.34							
20	GP1R1	50	3224	18.34	18.38	18.34							
20	GP1R1	50	3274	18.34	18.38	18.34							
20	GP1R1	50	3324	18.34	18.38	18.34							
20	GP1R1	50	3374	18.34	18.38	18.34							
20	GP1R1	50	3424	18.34	18.38	18.34							
20	GP1R1	50	3474	18.34	18.38	18.34							
20	GP1R1	50	3524	18.34	18.38	18.34							
20	GP1R1	50	3574	18.34	18.38	18.34							
20	GP1R1	50	3624	18.34	18.38	18.34							
20	GP1R1	50	3674	18.34	18.38	18.34							
20	GP1R1	50	3724	18.34	18.38	18.34							
20	GP1R1	50	3774	18.34	18.38	18.34							
20	GP1R1	50	3824	18.34	18.38	18.34							
20	GP1R1	50	3874	18.34	18.38	18.34							
20	GP1R1	50	3924	18.34	18.38	18.34							
20	GP1R1	50	3974	18.34	18.38	18.34							
20	GP1R1	50	4024	18.34	18.38	18.34							
20	GP1R1	50	4074	18.34	18.38	18.34							
20	GP1R1	50	4124	18.34	18.38	18.34							
20	GP1R1	50	4174	18.34	18.38	18.34							
20	GP1R1	50	4224	18.34	18.38	18.34							
20	GP1R1	50	4274	18.34	18.38	18.34							
20	GP1R1	50	4324	18.34	18.38	18.34							
20	GP1R1	50	4374	18.34	18.38	18.34							
20	GP1R1	50	4424	18.34	18.38	18.34							
20	GP1R1	50	4474	18.34	18.38	18.34							
20	GP1R1	50	4524	18.34	18.38	18.34							
20	GP1R1	50	4574	18.34	18.38	18.34							
20	GP1R1	50	4624	18.34	18.38	18.34							
20	GP1R1	50	4674	18.34	18.38	18.34							
20	GP1R1	50	4724	18.34	18.38	18.34							
20	GP1R1	50	4774	18.34	18.38	18.34							
20	GP1R1	50	4824	18.34	18.38	18.34							
20	GP1R1	50	4874	18.34	18.38	18.34							
20	GP1R1	50	4924	18.34	18.38	18.34							
20	GP1R1	50	4974	18.34	18.38	18.34							
20	GP1R1	50	5024	18.34	18.38	18.34							
20	GP1R1	50	5074	18.34	18.38	18.34							
20	GP1R1	50	5124	18.34	18.38	18.34							
20	GP1R1	50	5174	18.34	18.38	18.34							
20	GP1R1	50	5224	18.34	18.38	18.34							
20	GP1R1	50	5274	18.34	18.38	18.34							
20	GP1R1	50	5324	18.34	18.38	18.34							
20	GP1R1	50	5374	18.34	18.38	18.34							
20	GP1R1	50	5424	18.34	18.38	18.34							
20	GP1R1	50	5474	18.34	18.38	18.34							
20	GP1R1	50	5524	18.34	18.38	18.34							
20	GP1R1	50	5574	18.34	18.38	18.34							
20	GP1R1	50	5624	18.34	18.38	18.34							
20	GP1R1	50	5674	18.34	18.38	18.34							
20	GP1R1	50	5724	18.34	18.38	18.34							
20	GP1R1	50	5774	18.34	18.38	18.34							
20	GP1R1	50	5824	18.34	18.38	18.34							
20	GP1R1	50	5874	18.34	18.38	18.34							
20	GP1R1	50	5924	18.34	18.38	18.34							
20	GP1R1	50	5974	18.34	18.38	18.34							
20	GP1R1	50	6024	18.34	18.38	18.34							
20	GP1R1	50	6074	18.34	18.38	18.34							
20	GP1R1	50	6124	18.34	18.38	18.34							
20	GP1R1	50	6174	18.34	18.38	18.34							
20	GP1R1	50	6224	18.34	18.38	18.34							
20	GP1R1	50	6274	18.34	18.38	18.34							
20	GP1R1	50	6324	18.34	18.38	18.34							
20	GP1R1	50	6374	18.34	18.38	18.34							
20	GP1R1	50	6424	18.34	18.38	18.34							
20	GP1R1	50	6474	18.34	18.38	18.34							
20	GP1R1	50	6524	18.34	18.38	18.34							
20	GP1R1	50	6574	18.34	18.38	18.34							
20	GP1R1	50	6624	18.34	18.38	18.34							
20	GP1R1	50	6674	18.34	18.38	18.34							
20	GP1R1	50	6724	18.34	18.38	18.34							
20	GP1R1	50	6774	18.34	18.38	18.34							
20	GP1R1	50	6824	18.34	18.38	18.34							
20	GP1R1	50	6874	18.34	18.38	18.34							
20	GP1R1	50	6924	18.34	18.38	18.34							
20	GP1R1	50	6974	18.34	18.38	18.34							
20	GP1R1	50	7024	18.34	18.38	18.34							
20	GP1R1	50	7074	18.34	18.38	18.34							
20	GP1R1	50	7124	18.34	18.38	18.34							
20	GP1R1	50	7174	18.34	18.38	18.34							
20	GP1R1	50	7224	18.34	18.38	18.34							
20	GP1R1	50	7274	18.34	18.38	18.34							
20	GP1R1	50	7324	18.34	18.38	18.34							
20	GP1R1	50	7374	18.34	18.38	18.34							
20	GP1R1	50	7424	18.34	18.38	18.34							
20	GP1R1	50	7474	18.34	18.38	18.34							
20	GP1R1	50	7524	18.34	18.38	18.34							
20	GP1R1	50	7574	18.34	18.38	18.34							
20	GP1R1	50	7624	18.34	18.38	18.34							
20	GP												

Band 5 Ant0 for ENDC Sensor&Hotspot										
SRP (MHz)	Modulation	RIS Size	SR ChOfs	Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.	Transmit rate (kbps)	SRP (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.73	16.83	16.72	21	0		
10	QPSK	15	26	16.36	16.46	16.35				
10	QPSK	15	49	16.28	16.42	16.60				
10	QPSK	25	0	16.45	16.56	16.35				
10	QPSK	25	12	16.68	16.57	16.81	21	0		
10	QPSK	25	26	16.84	16.60	16.38				
10	QPSK	25	49	16.31	16.34	16.77	21	0		
10	16QAM	1	0	16.45	16.56	16.54				
10	16QAM	15	26	16.21	16.41	16.23	21	0		
10	16QAM	15	49	16.62	16.68	16.10				
10	16QAM	25	0	16.32	16.44	16.53				
10	16QAM	25	12	16.51	16.34	16.71	21	0		
10	16QAM	25	26	16.21	16.71	16.75				
10	16QAM	25	49	16.65	16.58	16.21				
10	64QAM	1	0	16.36	16.46	16.24	21	0		
10	64QAM	15	26	16.70	16.66	16.77				
10	64QAM	15	49	16.31	16.41	16.65	21	0		
10	64QAM	25	0	16.61	16.31	16.43				
10	64QAM	25	12	16.45	16.35	16.45				
10	64QAM	25	26	16.38	16.51	16.50				
10	64QAM	25	49	16.30	16.41	16.40				
10	256QAM	1	0	16.45	16.55	16.45	10	2		
10	256QAM	15	26	17.24	17.40	17.48				
10	256QAM	15	49	17.43	17.44	16.61				
10	256QAM	25	0	17.40	17.41	16.47				
10	256QAM	25	12	17.41	17.38	17.48				
10	256QAM	25	26	17.40	17.44	16.45				
10	256QAM	25	49	17.27	17.35	17.35	10	2		
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.54	16.76	16.65	Transmit rate (kbps)	SRP (dB)		
5	QPSK	15	26	16.42	16.43	16.63				
5	QPSK	15	49	16.28	16.29	16.43				
5	QPSK	25	0	16.45	16.55	16.35				
5	QPSK	25	12	16.61	16.51	16.53	21	0		
5	QPSK	25	26	16.30	16.31	16.44				
5	QPSK	25	49	16.43	16.44	16.63				
5	16QAM	1	0	16.36	16.42	16.24				
5	16QAM	15	26	16.70	16.66	16.77	21	0		
5	16QAM	15	49	16.47	16.55	16.65				
5	16QAM	25	0	16.38	16.39	16.47				
5	16QAM	25	12	16.58	16.38	16.10	21	0		
5	16QAM	25	26	16.62	16.54	16.63				
5	16QAM	25	49	16.43	16.46	16.65				
5	64QAM	1	0	16.34	16.29	16.23				
5	64QAM	15	26	16.62	16.52	16.63	21	0		
5	64QAM	15	49	16.32	16.40	16.49				
5	64QAM	25	0	16.44	16.31	16.23				
5	64QAM	25	12	16.51	16.38	16.23	21	0		
5	256QAM	1	0	17.19	17.22	17.16	10	2		
5	256QAM	15	26	17.34	17.23	17.24				
5	256QAM	15	49	17.33	17.15	17.23				
5	256QAM	25	0	17.29	17.22	17.27				
5	256QAM	25	12	17.21	17.10	17.20	10	2		
5	256QAM	25	49	17.02	17.21	17.02	10	2		
Channel										
Frequency (MHz)										
3	QPSK	1	0	16.56	16.73	16.75	Transmit rate (kbps)	SRP (dB)		
3	QPSK	15	26	16.30	16.42	16.31				
3	QPSK	15	49	16.22	16.32	16.40				
3	QPSK	25	0	16.69	16.68	16.60				
3	QPSK	25	12	16.81	16.61	16.80	21	0		
3	QPSK	25	26	16.53	16.44	16.31				
3	QPSK	25	49	16.64	16.55	16.65				
3	16QAM	1	0	16.27	16.40	16.29				
3	16QAM	15	26	16.58	16.41	16.46	21	0		
3	16QAM	15	49	16.30	16.42	16.33				
3	16QAM	25	0	16.31	16.37	16.43				
3	16QAM	25	12	16.49	16.31	16.36	21	0		
3	16QAM	25	26	16.37	16.38	16.20				
3	16QAM	25	49	16.54	16.51	16.52	21	0		
3	64QAM	1	0	16.37	16.28	16.20				
3	64QAM	15	26	16.34	16.26	16.33				
3	64QAM	15	49	16.41	16.68	16.61	21	0		
3	64QAM	25	0	16.25	16.45	16.33				
3	64QAM	25	12	16.53	16.33	16.33	21	0		
3	256QAM	1	0	17.06	17.04	17.06	10	2		
3	256QAM	15	26	17.21	17.13	17.08				
3	256QAM	15	49	17.17	17.10	17.18				
3	256QAM	25	0	17.17	17.05	17.15				
3	256QAM	25	12	17.07	17.00	17.12	10	2		
3	256QAM	25	49	17.01	17.01	17.20				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	16.63	16.63	16.63	Transmit rate (kbps)	SRP (dB)		
1.4	QPSK	1	0	16.27	16.42	16.52				
1.4	QPSK	1	0	16.46	16.52	16.52	21	0		
1.4	QPSK	1	0	16.62	16.58	16.58				
1.4	QPSK	2	3	16.48	16.48	16.48				
1.4	QPSK	2	3	16.66	16.66	16.66	21	0		
1.4	16QAM	1	0	16.26	16.46	16.57				
1.4	16QAM	1	0	16.54	16.30	16.46	21	0		
1.4	16QAM	2	3	16.50	16.40	16.51				
1.4	16QAM	2	3	16.25	16.34	16.49				
1.4	16QAM	2	3	16.26	16.26	16.26				
1.4	16QAM	2	3	16.64	16.65	16.65	21	0		
1.4	16QAM	2	3	16.15	16.37	16.37				
1.4	64QAM	1	0	16.37	16.33	16.35				
1.4	64QAM	1	0	16.26	16.23	16.25	21	0		
1.4	64QAM	2	3	16.75	16.75	16.34				
1.4	64QAM	2	3	16.48	16.61	16.53				
1.4	64QAM	2	3	16.21	16.33	16.35	21	0		
1.4	64QAM	2	3	16.43	16.24	16.24				
1.4	256QAM	1	0	17.00	17.04	17.03				
1.4	256QAM	1	0	17.37	17.40	17.50	10	2		
1.4	256QAM	1	0	17.43	17.44	17.44				
1.4	256QAM	2	3	17.30	17.30	17.30				
1.4	256QAM	2	3	17.32	17.43	17.42				
1.4	256QAM	2	3	17.43	17.43	17.43	10	2		
1.4	256QAM	2	3	17.21	17.30	17.30				

Band 7 Ant1 for ENDC Sensor&Handheld											
RF Bw	Modulation	RB Size	RB Offset	Power Low 20dBm	Power Max 21dBm	Power High 21.9dB	Time-up (ms)	Ant1 (dB)	Ant2 (dB)		
Channel											
Frequency (MHz)											
20	QPSK	1	0	16.35	16.35	16.35	17.5	0			
20	QPSK	1	40	16.35	16.35	16.35					
20	QPSK	1	80	16.35	16.35	16.35					
20	QPSK	50	0	16.35	16.35	16.35					
20	QPSK	50	24	16.41	16.38	16.31	17.5	0			
20	QPSK	50	48	16.38	16.35	16.35					
20	QPSK	100	0	16.42	16.30	16.37					
20	16QAM	1	0	16.47	16.33	16.33					
20	16QAM	1	40	16.55	16.38	16.31	17.5	0			
20	16QAM	1	80	16.52	16.36	16.31					
20	16QAM	50	0	16.28	16.34	16.35					
20	16QAM	50	24	16.47	16.46	16.45	17.5	0			
20	16QAM	50	48	16.42	16.35	16.40					
20	16QAM	100	0	16.25	16.43	16.35					
20	8QAM	1	0	16.40	16.32	16.42					
20	8QAM	1	40	16.47	16.35	16.34	17.5	0			
20	8QAM	1	80	16.38	16.33	16.48					
20	8QAM	50	0	16.48	16.47	16.41					
20	8QAM	50	24	16.53	16.50	16.38	17.5	0			
20	8QAM	50	48	16.14	16.42	16.30					
20	8QAM	100	0	16.42	16.34	16.40					
20	25QAM	1	0	16.38	16.22	16.30					
20	25QAM	1	40	16.42	16.30	16.31	17.5	0			
20	25QAM	1	80	16.36	16.22	16.34					
20	25QAM	50	0	16.36	16.22	16.34					
20	25QAM	50	24	16.33	16.30	16.31					
20	25QAM	50	48	16.32	16.31	16.31	17.5	0			
20	25QAM	100	0	16.34	16.24	16.31					
Channel											
Frequency (MHz)											
15	QPSK	1	0	16.15	16.10	16.10	17.5	0			
15	QPSK	1	37	16.22	16.14	16.30					
15	QPSK	1	74	16.20	16.10	16.10					
15	QPSK	36	0	16.46	16.37	16.47					
15	QPSK	36	20	16.27	16.52	16.39	17.5	0			
15	QPSK	36	40	16.42	16.40	16.41					
15	QPSK	72	0	16.38	16.31	16.32					
15	16QAM	1	0	16.36	16.30	16.43					
15	16QAM	1	37	16.43	16.38	16.41	17.5	0			
15	16QAM	1	74	16.48	16.40	16.38					
15	16QAM	36	0	16.20	16.45	16.31					
15	16QAM	36	20	16.44	16.38	16.33	17.5	0			
15	16QAM	36	40	16.40	16.40	16.40					
15	16QAM	72	0	16.11	16.33	16.25					
15	8QAM	1	0	16.37	16.22	16.29					
15	8QAM	1	37	16.40	16.40	16.40	17.5	0			
15	8QAM	1	74	16.20	16.27	16.27					
15	8QAM	36	0	16.30	16.32	16.30					
15	8QAM	36	20	16.47	16.48	16.28	17.5	0			
15	8QAM	36	40	16.12	16.31	16.21					
15	8QAM	72	0	16.20	16.30	16.40					
15	25QAM	1	0	16.35	16.20	16.25					
15	25QAM	1	37	16.40	16.40	16.40	17.5	0			
15	25QAM	1	74	16.20	16.27	16.27					
15	25QAM	36	0	16.30	16.30	16.30					
15	25QAM	36	20	16.47	16.48	16.28	17.5	0			
15	25QAM	36	40	16.12	16.31	16.21					
15	25QAM	72	0	16.20	16.30	16.40					
Channel											
Frequency (MHz)											
10	QPSK	1	0	16.54	16.50	16.50	17.5	0			
10	QPSK	1	25	16.14	16.48	16.38					
10	QPSK	1	49	16.41	16.53	16.40					
10	QPSK	25	0	16.51	16.40	16.57					
10	QPSK	25	12	16.27	16.41	16.38	17.5	0			
10	QPSK	25	36	16.46	16.41	16.41					
10	QPSK	50	0	16.51	16.35	16.47					
10	16QAM	1	0	16.53	16.47	16.30	17.5	0			
10	16QAM	1	25	16.42	16.53	16.45					
10	16QAM	1	49	16.49	16.47	16.48					
10	16QAM	25	0	16.39	16.41	16.32	17.5	0			
10	16QAM	25	12	16.38	16.38	16.33					
10	16QAM	25	36	16.07	16.30	16.34					
10	8QAM	1	0	16.52	16.17	16.30	17.5	0			
10	8QAM	1	25	16.37	16.44	16.44					
10	8QAM	1	49	16.31	16.14	16.28					
10	8QAM	25	0	16.30	16.31	16.34	17.5	0			
10	8QAM	25	12	16.37	16.52	16.35					
10	8QAM	25	36	16.23	16.29	16.19					
10	8QAM	50	0	16.30	16.48	16.40					
10	25QAM	1	0	16.52	16.19	16.32					
10	25QAM	1	25	16.31	16.25	16.40	17.5	0			
10	25QAM	1	49	16.42	16.40	16.29					
10	25QAM	25	0	16.56	16.48	16.33					
10	25QAM	25	12	16.54	16.33	16.25	17.5	0			
10	25QAM	25	36	16.24	16.40	16.41					
Channel											
Frequency (MHz)											
5	QPSK	1	0	16.01	16.00	16.00	17.5	0			
5	QPSK	1	12	16.15	16.48	16.30					
5	QPSK	1	24	16.38	16.38	16.40					
5	QPSK	12	0	16.37	16.00	16.37					
5	QPSK	12	7	16.28	16.42	16.39	17.5	0			
5	QPSK	12	14	16.34	16.42	16.35					
5	QPSK	24	0	16.58	16.33	16.53					
5	16QAM	1	0	16.31	16.40	16.40	17.5	0			
5	16QAM	1	12	16.48	16.47	16.34					
5	16QAM	1	24	16.44	16.37	16.35					
5	16QAM	12	0	16.31	16.38	16.38	17.5	0			
5	16QAM	12	13	16.24	16.54	16.23					
5	16QAM	24	0	16.14	16.38	16.17					
5	8QAM	1	0	16.28	16.18	16.28	17.5	0			
5	8QAM	1	12	16.18	16.21	16.29					
5	8QAM	12	7	16.43	16.41	16.32					
5	8QAM	12	13	16.05	16.39	16.39	17.5	0			
5	8QAM	24	0	16.33	16.30	16.44					
5	25QAM	1	0	16.38	16.18	16.37					
5	25QAM	1	12	16.39	16.51	16.54	17.5	0			
5	25QAM	1	24	16.29	16.25	16.37					
5	25QAM	12	0	16.34	16.40	16.35					
5	25QAM	12	13	16.48	16.32	16.28	17.5	0			
5	25QAM	24	0	16.35	16.40	16.37					

Band 66 Ant1 for ENDC Sensor											
RF Bw	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up (ms)	Antenna Ant1	Antenna Ant2	Antenna Ant3	Antenna Ant4
Channel											
Frequency (MHz)											
20	QPSK	1	0	16.44	16.44	16.44	18	0			
20	QPSK	1	40	16.42	16.45	16.38					
20	QPSK	1	80	16.49	16.48	16.44					
20	QPSK	50	0	16.49	16.30	16.44					
20	QPSK	50	24	16.40	16.46	16.54	18	0			
20	QPSK	50	48	16.41	16.30	16.43					
20	QPSK	100	0	16.58	16.58	16.52					
20	16QAM	1	0	16.53	16.43	16.35					
20	16QAM	1	40	16.48	16.48	16.43	18	0			
20	16QAM	1	80	16.50	16.37	16.35					
20	16QAM	50	0	16.32	16.45	16.35					
20	16QAM	50	24	16.45	16.34	16.40	18	0			
20	16QAM	50	48	16.38	16.35	16.31					
20	16QAM	100	0	16.37	16.46	16.32					
20	8QAM	1	0	16.51	16.42	16.34					
20	8QAM	1	40	16.32	16.40	16.43	18	0			
20	8QAM	1	80	16.30	16.38	16.19					
20	8QAM	50	0	16.38	16.30	16.28					
20	8QAM	50	24	16.28	16.55	16.35	18	0			
20	8QAM	50	48	16.50	16.31	16.32					
20	8QAM	100	0	16.34	16.45	16.25					
20	25QAM	1	0	16.59	16.36	16.39					
20	25QAM	1	40	16.52	16.39	16.35	18	0			
20	25QAM	1	80	16.49	16.38	16.34					
20	25QAM	50	0	16.26	16.33	16.22					
20	25QAM	50	24	16.34	16.27	16.23	18	0			
20	25QAM	50	48	16.27	16.23	16.20					
20	25QAM	100	0	16.31	16.30	16.19					
Channel											
Frequency (MHz)											
10	QPSK	1	0	17.15	17.15	17.15	18	0			
10	QPSK	1	40	17.26	17.26	17.22					
10	QPSK	1	80	17.23	17.23	17.23					
10	QPSK	1	120	17.27	17.18	17.24					
10	QPSK	50	0	16.57	16.46	16.51					
10	QPSK	50	24	16.48	16.48	16.56	18	0			
10	QPSK	50	48	16.59	16.37	16.49					
10	QPSK	100	0	16.61	16.41	16.43					
10	16QAM	1	0	16.59	16.31	16.31					
10	16QAM	1	20	16.56	16.25	16.30					
10	16QAM	1	40	16.52	16.25	16.28	18	0			
10	16QAM	1	60	16.53	16.25	16.25					
10	16QAM	25	0	16.30	16.15	16.18					
10	16QAM	25	24	16.31	16.15	16.23	18	0			
10	16QAM	25	48	16.27	16.36	16.21					
10	16QAM	50	0	16.11	16.38	16.16					
10	16QAM	50	24	16.21	16.15	16.25					
10	16QAM	50	48	16.11	16.38	16.16	18	0			
10	16QAM	100	0	16.21	16.15	16.15					
10	8QAM	1	0	16.54	16.27	16.28					
10	8QAM	1	20	16.52	16.11	16.15					
10	8QAM	25	0	16.20	16.11	16.15	18	0			
10	8QAM	25	24	16.07	16.36	16.21					
10	8QAM	50	0	16.11	16.38	16.16					
10	8QAM	50	24	16.21	16.15	16.25					
10	8QAM	50	48	16.11	16.38	16.16	18	0			
10	8QAM	100	0	16.21	16.15	16.15					
10	25QAM	1	0	16.54	16.27	16.28					
10	25QAM	1	20	16.52	16.11	16.15					
10	25QAM	25	0	16.20	16.11	16.15	18	0			
10	25QAM	25	24	16.07	16.36	16.21					
10	25QAM	50	0	16.21	16.15	16.25					
10	25QAM	50	24	16.11	16.38	16.16	18	0			
10	25QAM	100	0	16.21	16.15	16.15					
Channel											
Frequency (MHz)											
5	QPSK	1	0	16.26	16.46	16.24	18	0			
5	QPSK	1	24	16.26	16.46	16.24					
5	QPSK	12	0	16.31	16.43	16.23					
5	QPSK	12	48	16.24	16.48	16.24	18	0			
5	QPSK	12	96	16.27	16.32	16.24					
5	QPSK	25	0	16.26	16.46	16.24					
5	16QAM	2	0	16.22	16.36	16.12					
5	16QAM	2	12	16.27	16.31	16.21	18	0			
5	16QAM	2	24	16.27	16.30	16.20					
5	16QAM	12	0	16.27	16.09	16.02					
5	16QAM	12	48	16.11	16.37	16.23	18	0			
5	16QAM	12	96	16.14	16.17	16.03					
5	16QAM	25	0	16.16	16.40	16.23					
5	16QAM	25	12	16.12	16.13	16.12	18	0			
5	16QAM	25	24	16.15	16.17	16.05					
5	16QAM	50	0	16.07	16.30	16.14					
5	8QAM	2	0	16.11	16.14	16.01					
5	8QAM	2	12	16.17	16.10	16.07	18	0			
5	8QAM	12	0	16.08	16.21	16.05					
5	8QAM	12	48	16.05	16.15	16.01	18	0			
5	8QAM	25	0	16.10	16.30	16.14					
5	8QAM	25	12	16.11	16.14	16.01					
5	8QAM	50	0	16.07	16.17	16.01	18	0			
5	25QAM	2	0	16.10	16.29	16.12					
5	25QAM	2	12	16.11	16.28	16.08					
5	25QAM	12	0	16.09	16.13	16.05	18	0			
5	25QAM	12	48	16.13	16.14	16.07					
5	25QAM	25	0	16.13	16.17	16.07					
5	25QAM	25	12	16.07	16.27	16.11	18	0			
5	25QAM	50	0	16.09	16.31	16.15					
Channel											
Frequency (MHz)											
3	QPSK	1	0	16.24	16.24	16.24	18	0			
3	QPSK	1	40	16.16	16.30	16.20					
3	QPSK	8	0	16.38	16.38	16.38	18	0			
3	QPSK	8	40	16.37	16.37	16.25					
3	QPSK	8	72	16.23	16.41	16.22					
3	QPSK	15	0	16.22	16.43	16.22					
3	16QAM	2	0	16.30	16.27	16.23	18	0			
3	16QAM	2	40	16.17	16.32	16.15					
3	16QAM	8	0	16.26	16.20	16.05					
3	16QAM	8	40	16.25	16.16	16.13	18	0			
3	16QAM	15	0	16.23	16.29	16.17					
3	16QAM	15	40	16.15	16.35	16.16	18	0			
3	8QAM	2	0	16.23	16.25	16.11					
3	8QAM	2	40	16.15	16.21	16.05	18	0			
3	8QAM	8	0	16.18	16.36	16.17					
3	8QAM	8	40	16.13	16.33	16.10	18	0			
3	8QAM	15	0	16.33	16.25	16.07					
3	8QAM	15	40	16.25	16.16	16.13	18	0			
3	25QAM	2	0	16.31	16.29	16.14					
3	25QAM	2	40	16.18	16.22	16.13	18	0			
3	25QAM	8	0	16.28	16.14	16.10					
3	25QAM	8	40	16.25	16.44	16.27					
3	25QAM	15	0	16.26	16.26	16.20	18	0			
3	25QAM	15	40	16.36	16.26	16.25					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	16.22	16.41	16.08	18	0			
1.4	QPSK	1	40	16.34	16.26	16.23					
1.4	QPSK	1	80	16.32	16.28	16.24					
1.4	QPSK	3	0	16.28	16.41	16.20					
1.4	QPSK	3	40	16.33	16.42	16.33	18	0			
1.4	QPSK	3	80	16.30	16.40	16.18					
1.4	16QAM	1	0	16.47	16.42	16.34					
1.4	16QAM	1	40	16.31	16.31	16.19	18	0			
1.4	16QAM	1	80	16.30	16.33	16.19					
1.4	16QAM	3	0	16.30	16.33	16.19					
1.4	16QAM	3	40	16.28	16.35	16.27	18	0			
1.4	16QAM	3	80	16.18	16.12	16.10					
1.4	8QAM	1	0	16.36	16.22	16.13					
1.4	8QAM	1	40	16.35	16.25	16.10	18	0			
1.4	8QAM	3	0	16.15	16.30	16.17					
1.4	8QAM	3	40	16.28	16.23	16.20	18	0			
1.4	8QAM	3	80	16.23	16.16	16.13					
1.4	25QAM	1	0	16.34	16.24	16.22					
1.4	25QAM	1	40	16.26	16.16	16.16	18	0			
1.4	25QAM	3	0	16.11	16.17	16.21	18	0			
1.4	25QAM	3	40	16.15	16.37	16.15					
1.4	25QAM	3	80	16.27	16.26	16.20					
1.4	25QAM	3	1	16.12	16.41	16.23					
1.4	25QAM	3	3	16.32	16.26	16.24	18	0			
1.4	25QAM	3	5	16.31	16.25	16.20					
1.4	25QAM	3	7	16.12	16.41	16.23					
1.4	25QAM	3	9	16.32	16.26	16.24	18	0			

Band 66 Ant1 for ENDC Hotspot										
SV (MHz)	Modulation	RB Size	RB Offset	Power Low (dBm)	Power High (dBm)	Power High (dBm)	Time-slot (ms)	APR (dB)		
Channel										
Frequency (MHz)	Channel	RB Size	RB Offset	Power Low (dBm)	Power High (dBm)	Power High (dBm)	Time-slot (ms)	APR (dB)		
20	QPSK	1	0	15.51	15.51	15.51	17.5	0		
20	QPSK	1	49	15.52	15.52	15.52	17.5	0		
20	QPSK	1	99	15.53	15.53	15.53	17.5	0		
20	QPSK	50	24	15.55	15.55	15.55	17.5	0		
20	QPSK	50	49	15.56	15.56	15.56	17.5	0		
20	QPSK	100	0	15.58	15.58	15.58	17.5	0		
20	QPSK	1	0	15.59	15.59	15.59	17.5	0		
20	QPSK	1	49	15.60	15.60	15.60	17.5	0		
20	QPSK	1	99	15.61	15.61	15.61	17.5	0		
20	QPSK	50	24	15.62	15.62	15.62	17.5	0		
20	QPSK	50	49	15.63	15.63	15.63	17.5	0		
20	QPSK	100	0	15.64	15.64	15.64	17.5	0		
20	QPSK	1	0	15.65	15.65	15.65	17.5	0		
20	QPSK	1	49	15.66	15.66	15.66	17.5	0		
20	QPSK	1	99	15.67	15.67	15.67	17.5	0		
20	QPSK	50	24	15.68	15.68	15.68	17.5	0		
20	QPSK	50	49	15.69	15.69	15.69	17.5	0		
20	QPSK	100	0	15.70	15.70	15.70	17.5	0		
20	QPSK	1	0	15.71	15.71	15.71	17.5	0		
20	QPSK	1	49	15.72	15.72	15.72	17.5	0		
20	QPSK	1	99	15.73	15.73	15.73	17.5	0		
20	QPSK	50	24	15.74	15.74	15.74	17.5	0		
20	QPSK	50	49	15.75	15.75	15.75	17.5	0		
20	QPSK	100	0	15.76	15.76	15.76	17.5	0		
20	QPSK	1	0	15.77	15.77	15.77	17.5	0		
20	QPSK	1	49	15.78	15.78	15.78	17.5	0		
20	QPSK	1	99	15.79	15.79	15.79	17.5	0		
20	QPSK	50	24	15.80	15.80	15.80	17.5	0		
20	QPSK	50	49	15.81	15.81	15.81	17.5	0		
20	QPSK	100	0	15.82	15.82	15.82	17.5	0		
20	QPSK	1	0	15.83	15.83	15.83	17.5	0		
20	QPSK	1	49	15.84	15.84	15.84	17.5	0		
20	QPSK	1	99	15.85	15.85	15.85	17.5	0		
20	QPSK	50	24	15.86	15.86	15.86	17.5	0		
20	QPSK	50	49	15.87	15.87	15.87	17.5	0		
20	QPSK	100	0	15.88	15.88	15.88	17.5	0		
20	QPSK	1	0	15.89	15.89	15.89	17.5	0		
20	QPSK	1	49	15.90	15.90	15.90	17.5	0		
20	QPSK	1	99	15.91	15.91	15.91	17.5	0		
20	QPSK	50	24	15.92	15.92	15.92	17.5	0		
20	QPSK	50	49	15.93	15.93	15.93	17.5	0		
20	QPSK	100	0	15.94	15.94	15.94	17.5	0		
20	QPSK	1	0	15.95	15.95	15.95	17.5	0		
20	QPSK	1	49	15.96	15.96	15.96	17.5	0		
20	QPSK	1	99	15.97	15.97	15.97	17.5	0		
20	QPSK	50	24	15.98	15.98	15.98	17.5	0		
20	QPSK	50	49	15.99	15.99	15.99	17.5	0		
20	QPSK	100	0	16.00	16.00	16.00	17.5	0		
20	QPSK	1	0	16.01	16.01	16.01	17.5	0		
20	QPSK	1	49	16.02	16.02	16.02	17.5	0		
20	QPSK	1	99	16.03	16.03	16.03	17.5	0		
20	QPSK	50	24	16.04	16.04	16.04	17.5	0		
20	QPSK	50	49	16.05	16.05	16.05	17.5	0		
20	QPSK	100	0	16.06	16.06	16.06	17.5	0		
20	QPSK	1	0	16.07	16.07	16.07	17.5	0		
20	QPSK	1	49	16.08	16.08	16.08	17.5	0		
20	QPSK	1	99	16.09	16.09	16.09	17.5	0		
20	QPSK	50	24	16.10	16.10	16.10	17.5	0		
20	QPSK	50	49	16.11	16.11	16.11	17.5	0		
20	QPSK	100	0	16.12	16.12	16.12	17.5	0		
20	QPSK	1	0	16.13	16.13	16.13	17.5	0		
20	QPSK	1	49	16.14	16.14	16.14	17.5	0		
20	QPSK	1	99	16.15	16.15	16.15	17.5	0		
20	QPSK	50	24	16.16	16.16	16.16	17.5	0		
20	QPSK	50	49	16.17	16.17	16.17	17.5	0		
20	QPSK	100	0	16.18	16.18	16.18	17.5	0		
20	QPSK	1	0	16.19	16.19	16.19	17.5	0		
20	QPSK	1	49	16.20	16.20	16.20	17.5	0		
20	QPSK	1	99	16.21	16.21	16.21	17.5	0		
20	QPSK	50	24	16.22	16.22	16.22	17.5	0		
20	QPSK	50	49	16.23	16.23	16.23	17.5	0		
20	QPSK	100	0	16.24	16.24	16.24	17.5	0		
20	QPSK	1	0	16.25	16.25	16.25	17.5	0		
20	QPSK	1	49	16.26	16.26	16.26	17.5	0		
20	QPSK	1	99	16.27	16.27	16.27	17.5	0		
20	QPSK	50	24	16.28	16.28	16.28	17.5	0		
20	QPSK	50	49	16.29	16.29	16.29	17.5	0		
20	QPSK	100	0	16.30	16.30	16.30	17.5	0		
20	QPSK	1	0	16.31	16.31	16.31	17.5	0		
20	QPSK	1	49	16.32	16.32	16.32	17.5	0		
20	QPSK	1	99	16.33	16.33	16.33	17.5	0		
20	QPSK	50	24	16.34	16.34	16.34	17.5	0		
20	QPSK	50	49	16.35	16.35	16.35	17.5	0		
20	QPSK	100	0	16.36	16.36	16.36	17.5	0		
20	QPSK	1	0	16.37	16.37	16.37	17.5	0		
20	QPSK	1	49	16.38	16.38	16.38	17.5	0		
20	QPSK	1	99	16.39	16.39	16.39	17.5	0		
20	QPSK	50	24	16.40	16.40	16.40	17.5	0		
20	QPSK	50	49	16.41	16.41	16.41	17.5	0		
20	QPSK	100	0	16.42	16.42	16.42	17.5	0		
20	QPSK	1	0	16.43	16.43	16.43	17.5	0		
20	QPSK	1	49	16.44	16.44	16.44	17.5	0		
20	QPSK	1	99	16.45	16.45	16.45	17.5	0		
20	QPSK	50	24	16.46	16.46	16.46	17.5	0		
20	QPSK	50	49	16.47	16.47	16.47	17.5	0		
20	QPSK	100	0	16.48	16.48	16.48	17.5	0		
20	QPSK	1	0	16.49	16.49	16.49	17.5	0		
20	QPSK	1	49	16.50	16.50	16.50	17.5	0		
20	QPSK	1	99	16.51	16.51	16.51	17.5	0		
20	QPSK	50	24	16.52	16.52	16.52	17.5	0		
20	QPSK	50	49	16.53	16.53	16.53	17.5	0		
20	QPSK	100	0	16.54	16.54	16.54	17.5	0		
20	QPSK	1	0	16.55	16.55	16.55	17.5	0		
20	QPSK	1	49	16.56	16.56	16.56	17.5	0		
20	QPSK	1	99	16.57	16.57	16.57	17.5	0		
20	QPSK	50	24	16.58	16.58	16.58	17.5	0		
20	QPSK	50	49	16.59	16.59	16.59	17.5	0		
20	QPSK	100	0	16.60	16.60	16.60	17.5	0		
20	QPSK	1	0	16.61	16.61	16.61	17.5	0		
20	QPSK	1	49	16.62	16.62	16.62	17.5	0		
20	QPSK	1	99	16.63	16.63	16.63	17.5	0		
20	QPSK	50	24	16.64	16.64	16.64	17.5	0		
20	QPSK	50	49	16.65	16.65	16.65	17.5	0		
20	QPSK	100	0	16.66	16.66	16.66	17.5	0		
20	QPSK	1	0	16.67	16.67	16.67	17.5	0		
20	QPSK	1	49	16.68	16.68	16.68	17.5	0		
20	QPSK	1	99	16.69	16.69	16.69	17.5	0		
20	QPSK	50	24	16.70	16.70	16.70	17.5	0		
20	QPSK	50	49	16.71	16.71	16.71	17.5	0		
20	QPSK	100	0	16.72	16.72	16.72	17.5	0		
20	QPSK	1	0	16.73	16.73	16.73	17.5	0		
20	QPSK	1	49	16.74	16.74	16.74	17.5	0		
20	QPSK	1	99	16.75	16.75	16.75	17.5	0		
20	QPSK	50	24	16.76	16.76	16.76	17.5	0		
20	QPSK	50	49	16.77	16.77	16.77	17.5	0		
20	QPSK	100	0	16.78	16.78	16.78	17.5	0		
20	QPSK	1	0	16.79	16.79	16.79	17.5	0		
20	QPSK	1	49	16.80	16.80	16.80	17.5	0		
20	QPSK	1	99	16.81	16.81	16.81	17.5	0		
20	QPSK	50	24	16.82	16.82	16.82	17.5	0		
20	QPSK	50	49	16.83	16.83	16.83	17.5	0		
20	QPSK	100	0	16.84	16.84	16.84	17.5	0		
20	QPSK	1	0	16.85	16.85	16.85	17.5	0		
20	QPSK	1	49	16.86	16.86	16.86	17.5	0		
20	QPSK	1	99	16.87	16.87	16.87	17.5	0		
20	QPSK	50	24	16.88	16.88	16.88	17.5	0		
20	QPSK	50	49	16.89	16.89	16.89	17.5	0		
20	QPSK	100	0	16.90	16.90	16.90	17.5	0		
20	QPSK	1	0	16.91	16.91	16.91	17.5	0		
20	QPSK	1	49	16.92	16.92	16.92	17.5	0		
20	QPSK	1	99	16.93	16.93	16.93	17.5	0		
20	QPSK	50	24	16.94	16.94	16.94	17.5	0		
20	QPSK	50	49	16.95	16.95	16.95	17.5	0		
20	QPSK	100	0	16.96	16.96	16.96	17.5	0		
20	QPSK	1								

Band 38 Ant1 for ENDC Sensor&Hotspot&Handheld

BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power High Ch./Freq.	Time-up time (min)	MFR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.80	17.21	17.00		18	0
20	QPSK	1	49	18.80	18.33	18.77			
20	QPSK	1	99	18.80	18.33	18.77			
20	QPSK	50	0	17.01	17.15	16.99		18	0
20	QPSK	50	49	18.80	18.33	18.77			
20	QPSK	100	0	17.15	17.13	17.00			
20	16QAM	1	0	18.77	18.79	18.77		18	0
20	16QAM	1	49	18.72	18.92	18.71			
20	16QAM	1	99	18.71	17.04	18.87			
20	16QAM	50	0	18.90	18.76	18.83		18	0
20	16QAM	50	49	18.76	18.92	18.75			
20	16QAM	100	0	18.90	18.90	18.90			
20	16QAM	1	0	18.92	18.78	18.89		18	0
20	16QAM	1	49	18.75	18.76	18.76			
20	16QAM	1	99	17.00	18.89	18.81			
20	16QAM	50	0	18.77	18.79	18.78		18	0
20	256QAM	1	0	18.80	18.83	18.80		18	0
20	256QAM	1	49	18.80	18.83	18.80			
20	256QAM	1	99	18.80	18.83	18.80			
20	256QAM	50	0	18.84	18.73	18.83		18	0
20	256QAM	50	49	18.84	18.82	18.76			
20	256QAM	100	0	18.84	18.82	18.76			
20	256QAM	1	0	18.85	18.87	18.86		18	0
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.80	18.89	18.87		18	0
15	QPSK	1	49	18.80	18.89	18.87			
15	QPSK	1	99	18.80	18.89	18.87			
15	QPSK	30	0	18.86	18.83	18.84		18	0
15	QPSK	30	30	18.78	18.83	18.88			
15	QPSK	30	60	18.78	18.83	18.88			
15	QPSK	30	90	18.78	18.83	18.88			
15	QPSK	30	120	18.78	18.83	18.88			
15	QPSK	30	150	18.78	18.83	18.88			
15	QPSK	30	180	18.78	18.83	18.88			
15	QPSK	30	210	18.78	18.83	18.88			
15	QPSK	30	240	18.78	18.83	18.88			
15	QPSK	30	270	18.78	18.83	18.88			
15	QPSK	30	300	18.78	18.83	18.88			
15	QPSK	30	330	18.78	18.83	18.88			
15	QPSK	30	360	18.78	18.83	18.88			
15	QPSK	30	390	18.78	18.83	18.88			
15	QPSK	30	420	18.78	18.83	18.88			
15	QPSK	30	450	18.78	18.83	18.88			
15	QPSK	30	480	18.78	18.83	18.88			
15	QPSK	30	510	18.78	18.83	18.88			
15	QPSK	30	540	18.78	18.83	18.88			
15	QPSK	30	570	18.78	18.83	18.88			
15	QPSK	30	600	18.78	18.83	18.88			
15	QPSK	30	630	18.78	18.83	18.88			
15	QPSK	30	660	18.78	18.83	18.88			
15	QPSK	30	690	18.78	18.83	18.88			
15	QPSK	30	720	18.78	18.83	18.88			
15	QPSK	30	750	18.78	18.83	18.88			
15	QPSK	30	780	18.78	18.83	18.88			
15	QPSK	30	810	18.78	18.83	18.88			
15	QPSK	30	840	18.78	18.83	18.88			
15	QPSK	30	870	18.78	18.83	18.88			
15	QPSK	30	900	18.78	18.83	18.88			
15	QPSK	30	930	18.78	18.83	18.88			
15	QPSK	30	960	18.78	18.83	18.88			
15	QPSK	30	990	18.78	18.83	18.88			
15	QPSK	30	1020	18.78	18.83	18.88			
15	QPSK	30	1050	18.78	18.83	18.88			
15	QPSK	30	1080	18.78	18.83	18.88			
15	QPSK	30	1110	18.78	18.83	18.88			
15	QPSK	30	1140	18.78	18.83	18.88			
15	QPSK	30	1170	18.78	18.83	18.88			
15	QPSK	30	1200	18.78	18.83	18.88			
15	QPSK	30	1230	18.78	18.83	18.88			
15	QPSK	30	1260	18.78	18.83	18.88			
15	QPSK	30	1290	18.78	18.83	18.88			
15	QPSK	30	1320	18.78	18.83	18.88			
15	QPSK	30	1350	18.78	18.83	18.88			
15	QPSK	30	1380	18.78	18.83	18.88			
15	QPSK	30	1410	18.78	18.83	18.88			
15	QPSK	30	1440	18.78	18.83	18.88			
15	QPSK	30	1470	18.78	18.83	18.88			
15	QPSK	30	1500	18.78	18.83	18.88			
15	QPSK	30	1530	18.78	18.83	18.88			
15	QPSK	30	1560	18.78	18.83	18.88			
15	QPSK	30	1590	18.78	18.83	18.88			
15	QPSK	30	1620	18.78	18.83	18.88			
15	QPSK	30	1650	18.78	18.83	18.88			
15	QPSK	30	1680	18.78	18.83	18.88			
15	QPSK	30	1710	18.78	18.83	18.88			
15	QPSK	30	1740	18.78	18.83	18.88			
15	QPSK	30	1770	18.78	18.83	18.88			
15	QPSK	30	1800	18.78	18.83	18.88			
15	QPSK	30	1830	18.78	18.83	18.88			
15	QPSK	30	1860	18.78	18.83	18.88			
15	QPSK	30	1890	18.78	18.83	18.88			
15	QPSK	30	1920	18.78	18.83	18.88			
15	QPSK	30	1950	18.78	18.83	18.88			
15	QPSK	30	1980	18.78	18.83	18.88			
15	QPSK	30	2010	18.78	18.83	18.88			
15	QPSK	30	2040	18.78	18.83	18.88			
15	QPSK	30	2070	18.78	18.83	18.88			
15	QPSK	30	2100	18.78	18.83	18.88			
15	QPSK	30	2130	18.78	18.83	18.88			
15	QPSK	30	2160	18.78	18.83	18.88			
15	QPSK	30	2190	18.78	18.83	18.88			
15	QPSK	30	2220	18.78	18.83	18.88			
15	QPSK	30	2250	18.78	18.83	18.88			
15	QPSK	30	2280	18.78	18.83	18.88			
15	QPSK	30	2310	18.78	18.83	18.88			
15	QPSK	30	2340	18.78	18.83	18.88			
15	QPSK	30	2370	18.78	18.83	18.88			
15	QPSK	30	2400	18.78	18.83	18.88			
15	QPSK	30	2430	18.78	18.83	18.88			
15	QPSK	30	2460	18.78	18.83	18.88			
15	QPSK	30	2490	18.78	18.83	18.88			
15	QPSK	30	2520	18.78	18.83	18.88			
15	QPSK	30	2550	18.78	18.83	18.88			
15	QPSK	30	2580	18.78	18.83	18.88			
15	QPSK	30	2610	18.78	18.83	18.88			
15	QPSK	30	2640	18.78	18.83	18.88			
15	QPSK	30	2670	18.78	18.83	18.88			
15	QPSK	30	2700	18.78	18.83	18.88			
15	QPSK	30	2730	18.78	18.83	18.88			
15	QPSK	30	2760	18.78	18.83	18.88			
15	QPSK	30	2790	18.78	18.83	18.88			
15	QPSK	30	2820	18.78	18.83	18.88			
15	QPSK	30	2850	18.78	18.83	18.88			
15	QPSK	30	2880	18.78	18.83	18.88			
15	QPSK	30	2910	18.78	18.83	18.88			
15	QPSK	30	2940	18.78	18.83	18.88			
15	QPSK	30	2970	18.78	18.83	18.88			
15	QPSK	30	3000	18.78	18.83	18.88			
15	QPSK	30	3030	18.78	18.83	18.88			
15	QPSK	30	3060	18.78	18.83	18.88			
15	QPSK	30	3090	18.78	18.83	18.88			
15	QPSK	30	3120	18.78	18.83	18.88			
15	QPSK	30	3150	18.78	18.83	18.88			
15	QPSK	30	3180	18.78	18.83	18.88			
15	QPSK	30	3210	18.78	18.83	18.88			
15	QPSK	30	3240	18.78	18.83	18.88			
15	QPSK	30	3270	18.78	18.83	18.88			
15	QPSK	30	3300	18.78	18.83	18.88			
15	QPSK	30	3330	18.78	18.83	18.88			
15	QPSK	30	3360	18.78	18.83	18.88			
15	QPSK	30	3390	18.78	18.83	18.88			
15	QPSK	30	3420	18.78	18.83	18.88			
15	QPSK	30	3450	18.78	18.83	18.88			
15	QPSK	30	3480	18.78	18.83	18.88			
15	QPSK	30	3510	18.78	18.83	18.88			
15	QPSK	30	3540	18.78	18.83	18.88			
15	QPSK	30	3570	18.78	18.83	18.88			
15	QPSK	30	3600	18.78	18.83	18.88			
15	QPSK	30	3630	18.78	18.83	18.88			
15	QPSK	30	3660	18.78	18.83	18.88			
15	QPSK	30	3690	18.78	18.83	18.88			
15	QPSK	30	3720	18.78	18.83	18.88			
15	QPSK	30	3750	18.78	18.83	18.88			
15	QPSK	30	3780	18.78	18.83	18.88			
15	QPSK	30	3810	18.78	18.83	18.88			
15	QPSK	30	3840	18.78	18.83	18.88			
15	QPSK	30	3870	18.78	18.83	18.88			
15	QPSK	30	3900	18.78	18.83	18.			

Band 41 Ant1 for ENDC Receiver														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Mids Ch. / Freq.	Power High Ch. / Freq.	Power High Mids Ch. / Freq.	Power High Ch. / Freq.	Time-up (sec)	MPR (dB)				
Channel														
Frequency (MHz)														
20	QPSK	1	0	20.93	20.93	21.05	20.92	21.07	21.5	0				
20	QPSK	1	40	21.13	20.85	21.03	21.13	21.03						
20	QPSK	1	80	20.92	21.02	20.92	20.74	20.92						
20	QPSK	50	24	21.06	20.88	21.10	21.13	20.90						
20	QPSK	50	60	21.02	21.06	21.06	20.99	20.97	21.5	0				
20	QPSK	50	8	21.03	21.05	21.13	20.99	20.93						
20	16QAM	1	0	21.15	20.73	21.08	21.17	21.05						
20	16QAM	1	40	20.98	20.92	20.79	20.84	20.78						
20	16QAM	1	80	20.88	20.86	20.85	20.76	20.85	21.5	0				
20	16QAM	50	24	20.82	20.84	20.87	21.12	20.96						
20	16QAM	50	60	20.72	20.88	20.78	20.82	20.88						
20	16QAM	50	8	20.87	20.92	21.11	20.97	20.88						
20	16QAM	50	20	20.97	20.97	20.89	20.89	20.96	21.5	0				
20	16QAM	50	36	19.73	19.92	19.93	19.88	19.97						
20	16QAM	1	0	19.88	19.86	19.94	20.09	19.94						
20	16QAM	1	40	19.79	19.88	19.85	19.85	19.81						
20	16QAM	50	8	20.01	20.03	20.13	19.88	19.78	19	2.5				
20	16QAM	1	80	17.84	17.84	18.03	17.78	17.74						
20	16QAM	50	24	17.83	18.04	18.08	17.86	17.88						
20	16QAM	50	60	18.03	18.07	18.16	18.02	18.10						
20	16QAM	50	8	17.80	17.89	18.03	18.03	17.80	19	2.5				
20	16QAM	50	20	17.78	17.80	17.94	17.91	17.86						
20	16QAM	50	36	18.05	18.03	18.08	18.05	18.12						
20	16QAM	75	0	18.01	18.04	18.08	18.01	18.13						
Channel														
Frequency (MHz)														
15	QPSK	1	0	20.89	20.92	20.87	20.79	20.93	21.50	0				
15	QPSK	1	40	21.04	20.88	20.91	21.05	20.89						
15	QPSK	1	80	20.73	20.85	20.73	20.85	20.71						
15	QPSK	50	0	20.88	20.87	20.96	20.83	20.85						
15	QPSK	50	20	21.07	20.79	20.93	21.02	20.87	21.5	0				
15	QPSK	50	36	20.89	20.99	20.89	20.81	20.73						
15	QPSK	50	0	20.91	20.98	20.98	20.81	20.83						
15	16QAM	1	0	21.01	20.87	21.05	20.88	21.01						
15	16QAM	1	40	20.89	20.75	20.79	20.87	20.83	21.5	0				
15	16QAM	1	80	20.78	20.82	20.77	20.79	20.89						
15	16QAM	50	0	20.89	20.79	20.71	20.89	20.89						
15	16QAM	50	20	20.89	20.80	20.83	20.89	20.73						
15	16QAM	50	36	20.71	20.72	21.02	20.87	20.72	21.5	0				
15	16QAM	75	0	21.02	20.94	20.97	20.84	20.81						
15	16QAM	1	0	20.83	20.81	20.71	20.79	20.87						
15	16QAM	1	40	20.77	20.78	20.82	20.88	20.79						
15	16QAM	1	80	20.94	20.92	20.98	20.94	20.90	21	0.5				
15	16QAM	50	0	18.60	18.77	18.85	18.72	18.83						
15	16QAM	50	20	19.01	19.03	19.06	19.06	19.00						
15	16QAM	50	36	19.04	19.81	19.81	19.71	19.74						
15	16QAM	75	0	19.83	19.81	19.95	19.86	19.78	19	2.5				
15	16QAM	1	0	17.83	17.89	18.05	17.93	17.86						
15	16QAM	1	40	17.81	17.88	17.98	17.85	17.81						
15	16QAM	1	80	17.87	17.97	18.06	18.09	17.88						
15	16QAM	50	0	18.05	18.13	18.07	18.09	18.11	19	2.5				
15	16QAM	50	20	17.74	17.81	17.96	17.93	17.84						
15	16QAM	50	36	18.01	18.04	18.08	18.01	18.13						
15	16QAM	75	0	17.86	17.88	18.07	17.96	17.84						
Channel														
Frequency (MHz)														
10	QPSK	1	0	20.81	20.84	20.84	20.78	21.81	21.50	0				
10	QPSK	1	20	20.89	20.80	20.82	21.05	20.85						
10	QPSK	1	40	20.81	20.86	20.86	20.78	20.85						
10	QPSK	25	0	20.89	20.88	20.93	20.75	20.84						
10	QPSK	25	12	20.88	20.75	20.70	20.84	20.71	21.5	0				
10	QPSK	25	20	20.81	20.87	20.83	20.89	20.81						
10	QPSK	50	0	20.88	20.94	21.08	20.78	20.88						
10	16QAM	1	0	21.02	20.85	21.04	20.81	21.01						
10	16QAM	1	20	20.79	20.77	20.75	20.82	20.83	21.5	0				
10	16QAM	1	40	20.83	20.80	20.81	20.75	20.87						
10	16QAM	25	0	20.78	20.71	20.82	20.80	20.78						
10	16QAM	25	12	20.82	20.70	20.84	20.80	20.71						
10	16QAM	50	0	20.78	20.75	21.01	20.87	20.83	21.5	0				
10	16QAM	50	0	20.81	20.91	20.84	20.85	20.78						
10	16QAM	1	0	20.81	20.72	20.87	20.83	20.86						
10	16QAM	1	20	20.77	20.81	20.85	20.85	20.71						
10	16QAM	1	40	20.77	20.47	20.75	20.81	20.89	21	0.5				
10	16QAM	25	0	19.84	19.78	19.79	19.79	19.79						
10	16QAM	25	12	19.84	19.80	19.83	19.86	19.80						
10	16QAM	50	0	19.81	19.85	19.87	19.72	19.73						
10	16QAM	50	0	17.89	17.86	18.06	17.87	17.86	19	2.5				
10	16QAM	1	20	17.84	17.80	17.97	17.77	17.76						
10	16QAM	1	40	17.87	18.01	18.02	17.91	17.89						
10	16QAM	25	0	17.87	18.08	18.12	18.08	18.05						
10	16QAM	25	12	17.82	17.77	17.98	17.89	17.88	19	2.5				
10	16QAM	25	20	18.01	18.00	18.14	18.01	18.12						
10	16QAM	50	0	17.88	17.88	18.08	17.97	17.80						
10	16QAM	50	0	18.05	18.05	18.05	18.02	18.00						
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.85	20.81	20.88	20.74	21.02	21.50	0				
5	QPSK	1	12	20.79	20.75	20.87	20.89	20.81						
5	QPSK	1	24	20.87	20.94	20.81	20.89	20.78						
5	QPSK	12	0	20.81	21.04	21.06	20.81	20.81						
5	QPSK	12	7	20.73	20.78	20.87	20.87	21.03	21.5	0				
5	QPSK	12	14	20.87	20.87	20.87	20.87	20.84						
5	QPSK	25	0	20.83	20.96	21.03	20.74	20.73						
5	QPSK	25	12	20.87	20.96	21.03	20.74	20.73						
5	16QAM	1	0	20.96	20.78	21.03	21.14	20.96	21.5	0				
5	16QAM	1	24	20.70	20.73	20.77	20.74	20.78						
5	16QAM	12	0	20.87	20.84	20.87	20.84	20.87						
5	16QAM	12	7	20.85	20.79	20.87	20.88	20.77						
5	16QAM	25	0	21.03	20.71	20.83	20.80	20.73	21.5	0				
5	16QAM	25	12	20.84	20.76	20.86	20.80	20.68						
5	16QAM	50	0	20.88	20.96	21.01	20.80	20.68						
5	16QAM	50	12	20.88	20.96	21.01	20.80	20.68						
5	16QAM	1	24	20.88	20.58	20.88	20.80	20.68	19	2.5				
5	16QAM	1	48	19.81	19.81	19.81	19.81	19.81						
5	16QAM	12	7	19.83	19.84	19.78	19.72	19.85						
5	16QAM	12	14	19.83	19.84	19.78	19.72	19.85						
5	16QAM	25	0	19.88	19.85	19.72	19.82	19.74	19	2.5				
5	16QAM	25	12	19.88	19.85	19.72	19.82	19.74						
5	16QAM	50	0	17.89	18.01	18.01	17.87	17.87						
5	16QAM	50	12	17.89	17.84	17.98	17.82	17.78						
5	16QAM	1	24	17.82	18.04	18.08	17.80	17.83	19	2.5				
5	16QAM	1	48	17.81	17.81	17.81	17.81	17.81						
5	16QAM	12	7	17.79	17.77	17.90	17.68	17.63						
5	16QAM	12	14	17.79	17.78	17.90	17.68	17.63						
5	16QAM	25	0	17.89	17.88	18.10	18.02	18.11	19	2.5				
5	16QAM	25	12	17.89	17.88	18.10	18.02	18.11						
5	16QAM	50	0	17.89	17.88	18.10	18.02	18.11						
5	16QAM	50	12	17.89	17.88	18.10	18.02	18.11						

Band 7 Ant5 for ENDC Sensor&Hotspot

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (dBm)	Power Max Ch. (dBm)	Power High Ch. (dBm)	Time-slot (ms)	APN	APN (dB)
Channel									
Frequency (MHz)									
20									
QPSK	1	0	15.12	15.12	15.12	15.12	16	0	
QPSK	1	49	15.09	15.09	15.09	15.09	16	0	
QPSK	1	99	15.17	15.17	15.17	15.17	16	0	
QPSK	36	0	15.10	15.10	15.11	15.11	16	0	
QPSK	36	24	15.11	15.09	15.12	15.12	16	0	
QPSK	36	50	15.09	15.10	15.11	15.11	16	0	
QPSK	100	0	15.04	15.12	15.12	15.15	16	0	
16QAM	1	0	15.03	15.04	15.05	15.05	16	0	
16QAM	1	49	15.12	15.11	15.09	15.09	16	0	
16QAM	1	99	14.99	15.11	15.09	15.09	16	0	
16QAM	36	0	14.99	15.05	15.05	15.05	16	0	
16QAM	36	24	15.03	14.99	14.93	14.93	16	0	
16QAM	36	50	15.05	15.05	14.99	14.99	16	0	
16QAM	100	0	14.93	14.98	14.87	14.87	16	0	
16QAM	1	0	14.94	15.11	14.99	14.99	16	0	
16QAM	1	49	14.97	14.97	14.95	14.95	16	0	
16QAM	1	99	14.91	15.01	14.92	14.92	16	0	
16QAM	36	0	14.99	14.99	14.99	14.99	16	0	
256QAM	1	0	14.88	14.79	14.69	14.69	16	0	
256QAM	1	49	14.97	14.93	14.93	14.93	16	0	
256QAM	1	99	14.91	15.01	14.83	14.83	16	0	
256QAM	36	0	14.99	14.79	14.69	14.69	16	0	
256QAM	36	24	14.87	15.04	15.05	15.05	16	0	
256QAM	36	50	14.94	14.79	14.69	14.69	16	0	
256QAM	100	0	14.72	14.82	14.80	14.73	16	0	
Channel									
Frequency (MHz)									
15									
QPSK	1	0	14.86	15.05	15.05	15.05	16	0	
QPSK	1	37	14.85	14.85	14.85	14.85	16	0	
QPSK	1	74	14.90	14.90	14.90	14.90	16	0	
QPSK	36	0	15.12	15.12	15.12	15.09	16	0	
QPSK	36	20	14.97	14.79	15.05	15.05	16	0	
QPSK	36	39	14.86	15.05	14.85	14.85	16	0	
QPSK	75	0	14.85	14.85	14.85	14.85	16	0	
16QAM	1	0	14.85	14.85	14.85	14.85	16	0	
16QAM	1	37	15.04	15.05	15.01	15.01	16	0	
16QAM	1	74	14.90	14.84	15.02	15.02	16	0	
16QAM	36	0	14.97	14.79	14.79	14.79	16	0	
16QAM	36	20	14.85	14.85	14.75	14.75	16	0	
16QAM	36	39	14.85	14.85	14.85	14.85	16	0	
16QAM	75	0	14.85	14.75	14.85	14.85	16	0	
16QAM	1	0	14.72	15.05	14.91	14.91	16	0	
16QAM	1	37	14.79	14.85	14.85	14.85	16	0	
16QAM	1	74	14.88	14.85	14.75	14.75	16	0	
16QAM	36	0	14.85	15.02	14.82	14.82	16	0	
16QAM	36	20	14.84	14.75	14.69	14.69	16	0	
16QAM	36	39	14.77	14.74	14.75	14.75	16	0	
16QAM	75	0	14.87	14.84	14.84	14.84	16	0	
256QAM	1	0	14.84	14.75	14.69	14.69	16	0	
256QAM	1	37	14.95	14.85	14.85	14.85	16	0	
256QAM	1	74	14.95	14.84	14.82	14.82	16	0	
256QAM	36	0	14.79	14.81	14.80	14.80	16	0	
256QAM	36	20	14.79	15.00	14.85	14.85	16	0	
256QAM	36	39	14.87	14.85	14.85	14.85	16	0	
256QAM	75	0	14.86	14.82	14.82	14.82	16	0	
256QAM	1	0	14.75	14.85	14.85	14.85	16	0	
256QAM	1	37	14.85	14.85	14.85	14.85	16	0	
256QAM	1	74	14.95	14.84	14.82	14.82	16	0	
256QAM	36	0	14.79	14.81	14.80	14.80	16	0	
256QAM	36	20	14.79	15.00	14.85	14.85	16	0	
256QAM	36	39	14.87	14.85	14.85	14.85	16	0	
256QAM	75	0	14.86	14.82	14.82	14.82	16	0	
256QAM	1	0	14.75	14.85	14.85	14.85	16	0	
256QAM	1	37	14.85	14.85	14.85	14.85	16	0	
256QAM	1	74	14.95	14.84	14.82	14.82	16	0	
256QAM	36	0	14.79	14.81	14.80	14.80	16	0	
256QAM	36	20	14.79	15.00	14.85	14.85	16	0	
256QAM	36	39	14.87	14.85	14.85	14.85	16	0	
256QAM	75	0	14.86	14.82	14.82	14.82	16	0	
256QAM	1	0	14.75	14.85	14.85	14.85	16	0	
256QAM	1	37	14.85	14.85	14.85	14.85	16	0	
256QAM	1	74	14.95	14.84	14.82	14.82	16	0	
256QAM	36	0	14.79	14.81	14.80	14.80	16	0	
256QAM	36	20	14.79	15.00	14.85	14.85	16	0	
256QAM	36	39	14.87	14.85	14.85	14.85	16	0	
256QAM	75	0	14.86	14.82	14.82	14.82	16	0	
256QAM	1	0	14.75	14.85	14.85	14.85	16	0	
256QAM	1	37	14.85	14.85	14.85	14.85	16	0	
256QAM	1	74	14.95	14.84	14.82	14.82	16	0	
256QAM	36	0	14.79	14.81	14.80	14.80	16	0	
256QAM	36	20	14.79	15.00	14.85	14.85	16	0	
256QAM	36	39	14.87	14.85	14.85	14.85	16	0	
256QAM	75	0	14.86	14.82	14.82	14.82	16	0	
256QAM	1	0	14.75	14.85	14.85	14.85	16	0	
256QAM	1	37	14.85	14.85	14.85	14.85	16	0	
256QAM	1	74	14.95	14.84	14.82	14.82	16	0	
256QAM	36	0	14.79	14.81	14.80	14.80	16	0	
256QAM	36	20	14.79	15.00	14.85	14.85	16	0	
256QAM	36	39	14.87	14.85	14.85	14.85	16	0	
256QAM	75	0	14.86	14.82	14.82	14.82	16	0	
256QAM	1	0	14.75	14.85	14.85	14.85	16	0	
256QAM	1	37	14.85	14.85	14.85	14.85	16	0	
256QAM	1	74	14.95	14.84	14.82	14.82	16	0	
256QAM	36	0	14.79	14.81	14.80	14.80	16	0	
256QAM	36	20	14.79	15.00	14.85	14.85	16	0	
256QAM	36	39	14.87	14.85	14.85	14.85	16	0	
256QAM	75	0	14.86	14.82	14.82	14.82	16	0	
256QAM	1	0	14.75	14.85	14.85	14.85	16	0	
256QAM	1	37	14.85	14.85	14.85	14.85	16	0	
256QAM	1	74	14.95	14.84	14.82	14.82	16	0	
256QAM	36	0	14.79	14.81	14.80	14.80	16	0	
256QAM	36	20	14.79	15.00	14.85	14.85	16	0	
256QAM	36	39	14.87	14.85	14.85	14.85	16	0	
256QAM	75	0	14.86	14.82	14.82	14.82	16	0	
256QAM	1	0	14.75	14.85	14.85	14.85	16	0	
256QAM	1	37	14.85	14.85	14.85	14.85	16	0	
256QAM	1	74	14.95	14.84	14.82	14.82	16	0	
256QAM	36	0	14.79	14.81	14.80	14.80	16	0	
256QAM	36	20	14.79	15.00	14.85	14.85	16	0	
256QAM	36	39	14.87	14.85	14.85	14.85	16	0	
256QAM	75	0	14.86	14.82	14.82	14.82	16	0	
256QAM	1	0	14.75	14.85	14.85	14.85	16	0	
256QAM	1	37	14.85	14.85	14.85	14.85	16	0	
256QAM	1	74	14.95	14.84	14.82	14.82	16	0	
256QAM	36	0	14.79	14.81	14.80	14.80	16	0	
256QAM	36	20	14.79	15.00	14.85	14.85	16	0	
256QAM	36	39	14.87	14.85	14.85	14.85	16	0	
256QAM	75	0	14.86	14.82	14.82	14.82	16	0	
256QAM	1	0	14.75	14.85	14.85	14.85	16	0	
256QAM	1	37	14.85	14.85	14.85	14.85	16	0	
256QAM	1	74	14.95	14.84	14.82	14.82	16	0	
256QAM	36	0	14.79	14.81	14.80	14.80	16	0	
256QAM	36	20	14.79	15.00	14.85	14.85	16	0	
256QAM	36	39	14.87	14.85	14.85	14.85	16	0	
256QAM	75	0	14.86	14.82	14.82	14.82	16	0	
256QAM	1	0	14.75	14.85	14.85	14.85	16	0	
256QAM	1	37	14.85	14.85	14.85	14.85	16	0	
256QAM	1	74	14.95	14.84	14.82	14.82	16	0	
256QAM	36	0	14.79	14.81	14.80	14.80	16	0	
256QAM	36	20	14.79	15.00	14.85	14.85	16	0	
256QAM	36	39	14.87	14.85	14.85	14.85	16	0	
256QAM	75	0	14.86	14.82	14.82	14.82	16	0	
256QAM	1	0	14.75	14.85	14.85	14.85	16	0	
256QAM	1	37	14.85	14.85	14.85	14.85	16	0	
256QAM	1	74	14.95	14.84	14.82	14.82	16	0	
256QAM	36	0	14.79	14.81	14.80	14.80	16	0	
256QAM	36	20	14.79	15.00	14.85	14.85	16	0	
256QAM	36	39	14.87	14.85	14.85	14.85	16	0	
256QAM	75	0	14.86	14.82	14.82	14.82	16	0	
256QAM	1	0	14.75	14.85	14.85	14.85	16	0	
256QAM	1	37	14.85	14.85	14.85	14.85	16	0	
256QAM	1	74	14.95	14.84	14.82	14.82	16	0	
256QAM	36	0	14.79	14.81	14.80	14.80	16	0	
256QAM	36	20	14.79	15.00	14.85	14.85	16	0	
256QAM	36	39	14.87	14.85	14.85	14.85	16	0	
256QAM	75	0	14.86	14.82	14.82	14.82	16	0	
256QAM	1	0	14.75	14.85	14.85	14.85	16	0	

Full Power Mode for 5GNR

n2 Ant0									
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	24.0	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	22.52	22.53	22.47			
20	PI/2 BPSK	1	53	22.50	22.48	22.44	24.0	0.0	
20	PI/2 BPSK	1	104	22.37	22.28	22.39			
20	PI/2 BPSK	50	0	22.10	21.95	22.00			
20	PI/2 BPSK	50	28	22.48	22.55	22.30	23.5	0.5	
20	PI/2 BPSK	50	56	21.98	22.05	21.90	23.5	0.5	
20	PI/2 BPSK	100	0	22.13	22.07	22.07			
20	QPSK	1	1	22.60	22.68	22.57			
20	QPSK	1	53	22.52	22.60	22.44	24.0	0.0	
20	QPSK	1	104	22.50	22.49	22.53			
20	QPSK	50	0	21.61	21.75	21.65			
20	QPSK	50	28	22.55	22.56	22.50	23.0	1.0	
20	QPSK	50	56	21.58	21.78	21.60	24.0	0.0	
20	QPSK	100	0	21.67	21.70	21.52			
20	16QAM	1	1	21.71	21.59	21.52			
20	64QAM	1	1	20.19	20.10	20.03	23.0	1.0	
20	256QAM	1	1	18.18	18.28	18.18	21.5	2.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	22.45	22.55	22.46			
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	22.61	22.56	22.38			
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	22.60	22.52	22.37			

n5 Ant0									
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	24.0	0.0
Frequency (MHz)					834	836.5	839		
20	PI/2 BPSK	1	1	22.84	23.18	23.13			
20	PI/2 BPSK	1	53	22.86	23.00	22.94	24.0	0.0	
20	PI/2 BPSK	1	104	22.86	23.12	23.12			
20	PI/2 BPSK	50	0	22.55	22.74	22.69			
20	PI/2 BPSK	50	28	23.06	23.17	22.96	23.5	0.5	
20	PI/2 BPSK	50	56	22.43	22.64	22.74	24.0	0.0	
20	PI/2 BPSK	100	0	22.56	22.77	22.53			
20	QPSK	1	1	23.05	23.19	23.15			
20	QPSK	1	53	22.99	22.98	22.95	24.0	0.0	
20	QPSK	1	104	23.03	23.16	22.94			
20	QPSK	50	0	22.02	22.13	22.16			
20	QPSK	50	28	22.96	23.14	23.09	23.0	1.0	
20	QPSK	50	56	22.15	22.24	22.11	23.0	1.0	
20	QPSK	100	0	21.94	22.19	22.08			
20	16QAM	1	1	22.12	22.28	22.09			
20	64QAM	1	1	20.66	20.61	20.60	23.0	1.0	
20	256QAM	1	1	18.47	18.70	18.66	21.5	2.5	
Channel					166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					831.5	836.5	841.5		
15	QPSK	1	1	22.96	23.04	22.95	24.0		
Channel					165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					829	836.5	844		
10	QPSK	1	1	22.98	23.09	23.00	24.0		
Channel					165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					826.5	836.5	846.5		
5	QPSK	1	1	22.98	23.10	22.94	24.0		

n7 Ant1									
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				504000	507000	510000	24.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	22.82	22.96	22.86			
40	PI/2 BPSK	1	108	23.00	23.05	23.00			
40	PI/2 BPSK	1	214	23.03	23.11	22.96	23.5	0.5	
40	PI/2 BPSK	108	0	22.35	22.48	22.40			
40	PI/2 BPSK	108	54	23.06	23.14	23.05			
40	PI/2 BPSK	108	108	22.55	22.71	22.66			
40	PI/2 BPSK	216	0	22.56	22.61	22.48	24.0	0.0	
40	QPSK	1	1	23.06	23.18	23.13			
40	QPSK	1	108	22.93	23.07	22.93			
40	QPSK	1	214	23.01	23.16	23.06			
40	QPSK	108	0	21.93	22.03	21.96	23.0	1.0	
40	QPSK	108	54	23.06	23.12	23.02			
40	QPSK	108	108	22.10	22.22	22.16			
40	QPSK	216	0	22.03	22.12	21.98			
40	16QAM	1	1	22.17	22.22	22.15	23.0	1.0	
40	64QAM	1	1	20.41	20.47	20.36			
40	256QAM	1	1	18.53	18.61	18.56			
							24.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.95	23.13	23.07		24.0	
Channel				502500	507000	511500	24.0	0.0	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	22.97	23.14	23.07		24.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560	24.0	0.0	
20	PI/2 BPSK	1	1	22.99	23.06	22.98			
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	22.96	23.09	23.03	24.0	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	22.99	23.07	23.08		24.0	
Channel				500500	507000	513500	24.0	0.0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	22.93	23.11	23.00		24.0	

n66 Ant1									
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				346000	349000	352000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	22.57	22.71	22.65			
40	PI/2 BPSK	1	108	22.65	22.80	22.67			
40	PI/2 BPSK	1	214	22.71	22.67	22.53	23.5	0.5	
40	PI/2 BPSK	108	0	22.28	22.26	22.24			
40	PI/2 BPSK	108	54	22.65	22.87	22.55			
40	PI/2 BPSK	108	108	22.12	22.36	22.19			
40	PI/2 BPSK	216	0	22.17	22.47	22.37	24.0	0.0	
40	QPSK	1	1	22.73	22.88	22.75			
40	QPSK	1	108	22.55	22.79	22.74			
40	QPSK	1	214	22.71	22.86	22.56			
40	QPSK	108	0	21.83	21.91	21.74	23.0	1.0	
40	QPSK	108	54	22.51	22.82	22.54			
40	QPSK	108	108	21.77	21.93	21.87			
40	QPSK	216	0	21.63	21.96	21.74			
40	16QAM	1	1	21.82	21.89	21.82	23.0	1.0	
40	64QAM	1	1	20.19	20.28	20.15			
40	256QAM	1	1	18.15	18.33	18.32			
Channel				345000	349000	353000	24.0	0.0	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.57	22.73	22.68		24.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770	24.0	0.0	
20	QPSK	1	1	22.65	22.77	22.74			
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.53	22.88	22.62	24.0	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.64	22.68	22.61		24.0	
Channel				342500	349000	355500	24.0	0.0	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.59	22.67	22.63		24.0	



Par270 n77 Ant2_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				650000	650000	660000		
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	22.70	22.76	22.80		
100	Pl2 BPSK	1	137	22.67	22.87	22.73	24.0	0.0
100	Pl2 BPSK	1	271	22.75	22.84	22.72		
100	Pl2 BPSK	135	0	22.45	22.51	22.34	23.5	0.5
100	Pl2 BPSK	135	69	22.86	22.86	22.75	24.0	0.0
100	Pl2 BPSK	135	138	22.36	22.47	22.26	23.5	0.5
100	Pl2 BPSK	270	0	22.34	22.36	22.26		
100	QPSK	1	1	22.89	22.96	22.85		
100	QPSK	1	137	22.87	22.86	22.81	24.0	0.0
100	QPSK	1	271	22.88	22.74	22.64		
100	QPSK	135	0	21.98	21.97	21.84	23.0	1.0
100	QPSK	135	69	22.69	22.86	22.75	24.0	0.0
100	QPSK	135	138	21.93	22.07	21.92	23.0	1.0
100	QPSK	270	0	21.95	22.07	21.76		
100	16QAM	1	1	21.87	21.88	21.89	23.0	1.0
100	64QAM	1	1	20.35	20.50	20.27	21.5	2.5
100	256QAM	1	1	18.40	18.57	18.30	19.5	4.5
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.74	22.89	22.64	24.0	0.0
Channel				648334	650000	650668		
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.85	22.74	22.77	24.0	0.0
Channel				648000	650000	651000		
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.57	22.71	22.79	24.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.74	22.81	22.79	24.0	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.88	22.85	22.74	24.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.65	22.91	22.72	24.0	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.71	22.82	22.68	24.0	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.81	22.78	22.64	24.0	0.0

Part27Q n77 Ant2_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					633334			
Frequency (MHz)					3500.01			
100	Pl2 BPSK	1	1		22.69			
100	Pl2 BPSK	1	137		22.57		24.0	0.0
100	Pl2 BPSK	1	271		22.71			
100	Pl2 BPSK	135	0		22.31		23.5	0.5
100	Pl2 BPSK	135	69		22.86		24.0	0.0
100	Pl2 BPSK	135	138		22.25		23.5	0.5
100	Pl2 BPSK	270	0		22.26			
100	QPSK	1	1		22.78			
100	QPSK	1	137		22.73		24.0	0.0
100	QPSK	1	271		22.71			
100	QPSK	135	0		21.78		23.0	1.0
100	QPSK	135	69		22.59		24.0	0.0
100	QPSK	135	138		21.81		23.0	1.0
100	QPSK	270	0		21.75			
100	16QAM	1	1		21.68		23.0	1.0
100	64QAM	1	1		20.33		21.5	2.5
100	256QAM	1	1		18.39		19.5	4.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.50	22.05	22.55	24.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.34	22.60	22.34	24.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.51	22.50	22.42	24.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.34	22.46	22.38	24.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.40	22.49	22.52	24.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3528.01		
40	QPSK	1	1	22.29	22.58	22.48	24.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.45	22.52	22.49	24.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.36	22.60	22.34	24.0	0.0

Part27Q n78 Ant2_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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	Pl2 BPSK	1	1		22.85			
100	Pl2 BPSK	1	137		23.00		24.0	0.0
100	Pl2 BPSK	1	271		22.97			
100	Pl2 BPSK	135	0		22.62		23.5	0.5
100	Pl2 BPSK	135	69		22.77		24.0	0.0
100	Pl2 BPSK	135	138		22.50		23.5	0.5
100	Pl2 BPSK	270	0		22.62			
100	QPSK	1	1		23.06			
100	QPSK	1	137		22.98		24.0	0.0
100	QPSK	1	271		22.90			
100	QPSK	135	0		22.17		23.0	1.0
100	QPSK	135	69		22.92		24.0	0.0
100	QPSK	135	138		21.99		23.0	1.0
100	QPSK	270	0		21.97			
100	16QAM	1	1		22.04		23.0	1.0
100	64QAM	1	1		20.54		21.5	2.5
100	256QAM	1	1		18.67		19.5	4.5
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.94	22.97	22.96	24.0	0.0
Channel				648334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.82	22.77	22.92	24.0	0.0
Channel				648000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.92	22.71	22.79	24.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.81	22.97	22.94	24.0	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.93	22.89	22.84	24.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.95	22.81	22.79	24.0	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.94	22.83	22.84	24.0	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.92	22.77	22.88	24.0	0.0



Part270 n78 Ant2_FCC PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3750	3750	3750	27.0	0.0	
100	PI2 BPSK	1	137	25.32	25.20				
100	PI2 BPSK	1	271	25.19					
100	PI2 BPSK	135	0		24.83		26.5	0.5	
100	PI2 BPSK	135	69		25.30		27.0	0.0	
100	PI2 BPSK	135	138		24.69		26.5	0.5	
100	PI2 BPSK	270	0		24.88		27.0	0.0	
100	QPSK	1	1		24.29				
100	QPSK	1	137		24.12				
100	QPSK	1	271		24.15		26.0	1.0	
100	QPSK	135	0		23.33		26.0	1.0	
100	QPSK	135	69		24.14		27.0	0.0	
100	QPSK	135	138		23.19		26.0	1.0	
100	QPSK	270	0		23.13		26.0	1.0	
100	16QAM	1	1		23.21		26.0	1.0	
100	64QAM	1	1		21.69		24.5	2.5	
100	256QAM	1	1		19.80		23.5	4.5	
Channel									
Frequency (MHz)									
90	PI2 BPSK	1	1	649685	650000	650334	Tune-up limit (dBm)	MPR (dB)	
				3745.02	3750	3745.01			
90	PI2 BPSK	1	1	25.24	25.41	25.10	27.0	0.0	
Channel									
Frequency (MHz)									
80	PI2 BPSK	1	1	649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
				3740.01	3750	3760.02			
80	PI2 BPSK	1	1	25.25	25.32	25.14	27.0	0.0	
Channel									
Frequency (MHz)									
70	PI2 BPSK	1	1	649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
				3735	3750	3765			
70	PI2 BPSK	1	1	25.20	25.30	25.14	27.0	0.0	
Channel									
Frequency (MHz)									
60	PI2 BPSK	1	1	648654	650000	651668	Tune-up limit (dBm)	MPR (dB)	
				3725.01	3750	3775.02			
60	PI2 BPSK	1	1	25.27	25.40	25.11	27.0	0.0	
Channel									
Frequency (MHz)									
50	PI2 BPSK	1	1	648300	650000	652000	Tune-up limit (dBm)	MPR (dB)	
				3720	3750	3780			
50	PI2 BPSK	1	1	25.30	25.38	25.20	27.0	0.0	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	647654	650000	652668	Tune-up limit (dBm)	MPR (dB)	
				3715.01	3750	3795.02			
40	PI2 BPSK	1	1	25.32	25.33	25.18	27.0	0.0	
Channel									
Frequency (MHz)									
30	PI2 BPSK	1	1	647324	650000	653668	Tune-up limit (dBm)	MPR (dB)	
				3710.01	3750	3810.02			
30	PI2 BPSK	1	1	25.35	25.36	25.15	27.0	0.0	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	647000	650000	654668	Tune-up limit (dBm)	MPR (dB)	
				3705.01	3750	3825.02			
20	PI2 BPSK	1	1	25.30	25.36	25.15	27.0	0.0	

Part27Q 78 Ant2_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									
Frequency (MHz)									
100	PI2 BPSK	1	1		3060.01		24.0	0.0	
100	PI2 BPSK	1	137	22.51					
100	PI2 BPSK	1	271	22.57					
100	PI2 BPSK	135	0		22.17		23.5	0.5	
100	PI2 BPSK	135	69		22.50		24.0	0.0	
100	PI2 BPSK	135	138		22.11		23.5	0.5	
100	PI2 BPSK	270	0		22.01		24.0	0.0	
100	QPSK	1	1	22.63					
100	QPSK	1	137	22.44					
100	QPSK	1	271	22.65			23.0	1.0	
100	QPSK	135	0		21.53		24.0	0.0	
100	QPSK	135	69		22.44		23.0	1.0	
100	QPSK	135	138		21.70		23.0	1.0	
100	16QAM	1	1		21.59		23.0	1.0	
100	64QAM	1	1		20.12		21.5	2.5	
100	256QAM	1	1		18.22		19.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
				3485	3600.01	3606.02			
				22.42	22.60	22.49	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	348600	3600.01	3610	Tune-up limit (dBm)	MPR (dB)	
				22.25	22.57	22.44	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	631144	633334	635524	Tune-up limit (dBm)	MPR (dB)	
				3485	3600.01	3610.01			
				22.40	22.53	22.39	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
				3486	3600.01	3620.02			
				22.37	22.57	22.36	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
				3478.02	3600.01	3625			
				22.37	22.53	22.32	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
				3470.01	3600.01	3630.01			
				22.22	22.45	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
				3485	3600.01	3635.02			
				22.27	22.53	22.33	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630666	633334	636000	Tune-up limit (dBm)	MPR (dB)	
				3480.02	3600.01	3640			
				22.41	22.53	22.49	24.0	0.0	

Part27Q 78 Ant2_FCC PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				63500.1			3500.01		
100	PI2 BPSK	1	1	25.20	25.22	25.03	27.0	0.0	
100	PI2 BPSK	1	137	23.58	23.58				
100	PI2 BPSK	1	271		23.58				
100	PI2 BPSK	135	0		24.86		26.5	0.5	
100	PI2 BPSK	135	69		25.28		27.0	0.0	
100	PI2 BPSK	135	138		24.68		26.5	0.5	
100	PI2 BPSK	270	0		24.73		27.0	0.0	
100	QPSK	1	1		23.68				
100	QPSK	1	137		23.48				
100	QPSK	1	271		23.59		26.0	1.0	
100	QPSK	135	0		22.78		27.0	0.0	
100	QPSK	135	69		23.49		26.0	1.0	
100	QPSK	135	138		22.54		24.5	2.5	
100	QPSK	270	0		22.52		19.5	4.5	
100	16QAM	1	1		21.09		26.0	2.5	
100	256QAM	1	1		19.30		22.5	4.5	
Channel				63500.1	63533.4	63566.8	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	27.0	0.0	
90	PI2 BPSK	1	1	25.20	25.22	25.03	27.0	0.0	
Channel				3495	63533.4	63566.8	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	27.0	0.0	
80	PI2 BPSK	1	1	25.20	25.25	25.06	27.0	0.0	
Channel				63500.1	63533.4	63566.8	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	27.0	0.0	
70	PI2 BPSK	1	1	25.19	25.32	25.19	27.0	0.0	
Channel				63500.1	63533.4	63466.8	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3505.02	27.0	0.0	
60	PI2 BPSK	1	1	25.19	25.26	25.08	27.0	0.0	
Channel				63166.8	63533.4	63500.0	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3474.52	3500.01	3525	27.0	0.0	
50	PI2 BPSK	1	1	25.18	25.31	25.11	27.0	0.0	
Channel				3433.53	63533.4	63533.4	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	27.0	0.0	
40	PI2 BPSK	1	1	25.20	25.24	25.10	27.0	0.0	
Channel				63170.1	63533.4	63566.8	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	27.0	0.0	
30	PI2 BPSK	1	1	25.19	25.28	25.04	27.0	0.0	
Channel				63068	63533.4	63000.0	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.05	3500.01	3540	27.0	0.0	
20	PI2 BPSK	1	1	25.18	25.30	25.08	27.0	0.0	

Part270 n78 Ant3_FCC PC2&PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	23.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		22.61				
100	PI/2 BPSK	1	137		22.52		22.5	0.5	
100	PI/2 BPSK	1	271		22.42				
100	PI/2 BPSK	135	0		21.95				
100	PI/2 BPSK	135	69		22.52		23.0	0.0	
100	PI/2 BPSK	135	138		21.86				
100	PI/2 BPSK	270	0		21.93			22.5	
100	QPSK	1	1		21.77		23.0	0.0	
100	QPSK	1	137		21.35				
100	QPSK	1	271		21.75				
100	QPSK	135	0		20.76		22.0	1.0	
100	QPSK	135	69		21.55				
100	QPSK	135	138		20.79				
100	QPSK	270	0		20.80		22.0	1.0	
100	16QAM	1	1		21.02				
100	64QAM	1	1		19.41			20.5	
100	256QAM	1	1		18.01				
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	23.0	0.0	
90	QPSK	1	1	21.54	21.66	21.41	23.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	23.0	0.0	
80	QPSK	1	1	21.45	21.59	21.40	23.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	23.0	0.0	
70	QPSK	1	1	21.51	21.70	21.52	23.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	23.0	0.0	
60	QPSK	1	1	21.58	21.65	21.41	23.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	23.0	0.0	
50	QPSK	1	1	21.53	21.69	21.47	23.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	23.0	0.0	
40	QPSK	1	1	21.45	21.72	21.39	23.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	23.0	0.0	
30	QPSK	1	1	21.47	21.69	21.36	23.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	23.0	0.0	
20	QPSK	1	1	21.52	21.63	21.40	23.0	0.0	

Part27Q 78 Ant3_FCC PC2&PC3									
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				633334			23.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		22.31				
100	PI/2 BPSK	1	137		21.98		22.5	0.5	
100	PI/2 BPSK	1	271		22.27				
100	PI/2 BPSK	135	0		21.64			23.0	
100	PI/2 BPSK	135	69		21.93				
100	PI/2 BPSK	135	138		21.65		22.5	0.5	
100	PI/2 BPSK	270	0		21.53				
100	QPSK	1	1		21.16		23.0	0.0	
100	QPSK	1	137		20.83				
100	QPSK	1	271		21.11				
100	QPSK	135	0		20.20		22.0	1.0	
100	QPSK	135	69		20.96				
100	QPSK	135	138		20.35			22.0	
100	QPSK	270	0		20.28				
100	16QAM	1	1		20.34		22.0	1.0	
100	64QAM	1	1		18.88				
100	256QAM	1	1		17.66			18.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	23.0	0.0	
90	QPSK	1	1	20.89	20.99	20.95	23.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	23.0	0.0	
80	QPSK	1	1	21.01	21.10	20.84	23.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	23.0	0.0	
70	QPSK	1	1	20.93	21.11	20.99	23.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	23.0	0.0	
60	QPSK	1	1	20.95	21.07	20.87	23.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	23.0	0.0	
50	QPSK	1	1	20.93	21.13	20.98	23.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	23.0	0.0	
40	QPSK	1	1	20.84	21.05	20.95	23.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	23.0	0.0	
30	QPSK	1	1	20.98	21.07	21.01	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	23.0	0.0	
20	QPSK	1	1	20.97	21.10	20.92	23.0	0.0	

Part270 n78 Ant6_FCC PC2&PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	21.5	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		21.27				
100	PI/2 BPSK	1	137		21.26				
100	PI/2 BPSK	1	271		21.14		21.0	0.5	
100	PI/2 BPSK	135	0		20.61				
100	PI/2 BPSK	135	69		21.04				
100	PI/2 BPSK	135	138		20.61				
100	PI/2 BPSK	270	0		20.59		21.0	0.5	
100	QPSK	1	1		21.11				
100	QPSK	1	137		20.69				
100	QPSK	1	271		21.06				
100	QPSK	135	0		20.56		21.5	0.0	
100	QPSK	135	69		20.87				
100	QPSK	135	138		20.59				
100	QPSK	270	0		20.55				
100	16QAM	1	1		19.48		20.5	1.0	
100	64QAM	1	1		17.88				
100	256QAM	1	1		16.57				
100	256QAM	1	1		16.57				
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	20.93	21.05	20.96	21.5	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	20.94	21.08	21.00	21.5	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	20.83	20.94	20.88	21.5	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	20.98	20.99	21.03	21.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	20.89	21.03	20.93	21.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	21.00	20.91	20.93	21.5	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	20.94	21.09	20.91	21.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	20.94	21.08	21.00	21.5	0.0	

Part27Q 78 Ant6_FCC PC2&PC3									
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				633000		633334	21.5	0.0	
Frequency (MHz)						3500.01			
100	PI/2 BPSK	1	1		20.32				
100	PI/2 BPSK	1	137		20.22				
100	PI/2 BPSK	1	271		20.26		21.0	0.5	
100	PI/2 BPSK	135	0		19.88				
100	PI/2 BPSK	135	69		20.25				
100	PI/2 BPSK	135	138		20.05				
100	PI/2 BPSK	270	0		19.89		21.0	0.5	
100	QPSK	1	1		19.66				
100	QPSK	1	137		19.29				
100	QPSK	1	271		19.55				
100	QPSK	135	0		18.58		20.5	1.0	
100	QPSK	135	69		19.44				
100	QPSK	135	138		18.78				
100	QPSK	270	0		18.65				
100	16QAM	1	1		18.72		20.5	1.0	
100	64QAM	1	1		17.24				
100	256QAM	1	1		16.04				
100	256QAM	1	1		16.04				
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	19.34	19.59	19.42	21.5	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	19.35	19.62	19.51	21.5	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	19.39	19.60	19.47	21.5	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	19.36	19.82	19.45	21.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	19.39	19.50	19.54	21.5	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	19.34	19.52	19.53	21.5	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	19.35	19.54	19.44	21.5	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	19.37	19.63	19.58	21.5	0.0	

Part270 n78 Ant7_FCC PC2&PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	23.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		22.66				
100	PI/2 BPSK	1	137		22.64				
100	PI/2 BPSK	1	271		22.62		22.5	0.5	
100	PI/2 BPSK	135	0		22.01				
100	PI/2 BPSK	135	69		22.54				
100	PI/2 BPSK	135	138		21.99				
100	PI/2 BPSK	270	0		22.00		23.0	0.0	
100	QPSK	1	1		21.66				
100	QPSK	1	137		21.23				
100	QPSK	1	271		21.59				
100	QPSK	135	0		20.64		22.0	1.0	
100	QPSK	135	69		21.43				
100	QPSK	135	138		20.64				
100	QPSK	270	0		20.65				
100	16QAM	1	1		20.91		22.0	1.0	
100	64QAM	1	1		19.29				
100	256QAM	1	1		17.96				
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	23.0	0.0	
90	QPSK	1	1	21.48	21.57	21.48	23.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	23.0	0.0	
80	QPSK	1	1	21.47	21.46	21.41	23.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	23.0	0.0	
70	QPSK	1	1	21.39	21.48	21.36	23.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	23.0	0.0	
60	QPSK	1	1	21.51	21.58	21.49	23.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	23.0	0.0	
50	QPSK	1	1	21.42	21.53	21.44	23.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	23.0	0.0	
40	QPSK	1	1	21.41	21.62	21.34	23.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	23.0	0.0	
30	QPSK	1	1	21.44	21.55	21.36	23.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	23.0	0.0	
20	QPSK	1	1	21.53	21.46	21.48	23.0	0.0	

Part27Q 78 Ant7_FCC PC2&PC3									
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					633334		23.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		22.88				
100	PI/2 BPSK	1	137		22.66				
100	PI/2 BPSK	1	271		22.53		22.5	0.5	
100	PI/2 BPSK	135	0		22.06				
100	PI/2 BPSK	135	69		22.41				
100	PI/2 BPSK	135	138		21.99				
100	PI/2 BPSK	270	0		21.94		23.0	0.0	
100	QPSK	1	1		21.25				
100	QPSK	1	137		21.12				
100	QPSK	1	271		21.46				
100	QPSK	135	0		20.47		22.0	1.0	
100	QPSK	135	69		21.29				
100	QPSK	135	138		20.84				
100	QPSK	270	0		20.81				
100	16QAM	1	1		20.59		22.0	1.0	
100	64QAM	1	1		19.11				
100	256QAM	1	1		17.93				
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	23.0	0.0	
90	QPSK	1	1	21.06	21.21	21.02	23.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	23.0	0.0	
80	QPSK	1	1	21.01	21.15	20.95	23.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	23.0	0.0	
70	QPSK	1	1	21.08	21.13	21.07	23.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	23.0	0.0	
60	QPSK	1	1	20.92	21.05	20.93	23.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	23.0	0.0	
50	QPSK	1	1	21.04	21.11	21.06	23.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	23.0	0.0	
40	QPSK	1	1	21.02	21.04	20.96	23.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	23.0	0.0	
30	QPSK	1	1	21.12	21.20	21.01	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	23.0	0.0	
20	QPSK	1	1	20.97	21.14	21.05	23.0	0.0	

n7 Ant5

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				504000	507000	510000	24.0	0.0
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	22.53	22.50	22.43	24.0	0.0
40	PI/2 BPSK	1	108	22.48	22.46	22.44		
40	PI/2 BPSK	1	214	22.38	22.51	22.47	23.5	0.5
40	PI/2 BPSK	108	0	22.01	22.14	22.20		
40	PI/2 BPSK	108	54	22.51	22.55	22.58	24.0	0.0
40	PI/2 BPSK	108	108	22.06	22.24	22.12		
40	PI/2 BPSK	216	0	22.04	22.11	22.16	23.5	0.5
40	QPSK	1	1	22.58	22.65	22.61		
40	QPSK	1	108	22.37	22.52	22.52	24.0	0.0
40	QPSK	1	214	22.40	22.58	22.58		
40	QPSK	108	0	21.57	21.59	21.69	23.0	1.0
40	QPSK	108	54	22.58	22.61	22.40		
40	QPSK	108	108	21.47	21.61	21.55	23.0	1.0
40	QPSK	216	0	21.59	21.75	21.70		
40	16QAM	1	1	21.56	21.76	21.50	23.0	1.0
40	64QAM	1	1	20.07	20.12	19.99		
40	256QAM	1	1	18.13	18.25	18.13	19.5	4.5
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.41	22.52	22.43	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.38	22.53	22.47	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.39	22.49	22.41	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.42	22.51	22.41	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.44	22.48	22.47	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.53	22.56	22.40	24.0	0.0

Reduced Power Mode for 5GNR

Part270 n78 SA Ant2 Receiver									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	Pl2 BPSK	1	1	17.08				18.0	0.0
100	Pl2 BPSK	1	137	17.19					
100	Pl2 BPSK	1	271	17.11					
100	Pl2 BPSK	135	0	17.13			18.0	0.0	
100	Pl2 BPSK	135	69	17.15			18.0	0.0	
100	Pl2 BPSK	135	138	17.15					
100	Pl2 BPSK	270	0	17.21			18.0	0.0	
100	QPSK	1	1	17.27				18.0	0.0
100	QPSK	1	137	17.25					
100	QPSK	1	271	17.09					
100	QPSK	135	0	17.15			18.0	0.0	
100	QPSK	135	69	17.22			18.0	0.0	
100	QPSK	135	138	17.12			18.0	0.0	
100	QPSK	270	0	17.15					
100	16QAM	1	1	17.31			18.0	0.0	
100	64QAM	1	1	18.00			18.0	0.0	
100	256QAM	1	1	18.15			18.0	0.0	
Channel				649999	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	17.13	17.11	17.02	18.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3749.01	3750	3760.02			
80	QPSK	1	1	17.07	17.14	17.07	18.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.01	3750	3765.01			
70	QPSK	1	1	17.04	17.09	17.11	18.0	0.0	
Channel				648666	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3739.02	3750	3770.01			
60	QPSK	1	1	17.16	17.02	17.17	18.0	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	17.07	17.03	17.08	18.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.01	3750	3780.01			
40	QPSK	1	1	17.12	17.13	17.09	18.0	0.0	
Channel				647666	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.01	3750	3783.01			
30	QPSK	1	1	17.11	17.07	17.05	18.0	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	17.01	17.06	17.12	18.0	0.0	

Part27Q 78 SA Ant2 Receiver									
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					633334				
Frequency (MHz)					3500.01				
100	Pl2 BPSK	1	1		16.98			18.0	0.0
100	Pl2 BPSK	1	137		16.90				
100	Pl2 BPSK	1	271		16.77				
100	Pl2 BPSK	135	0		16.58		18.0	0.0	
100	Pl2 BPSK	135	69		16.93		18.0	0.0	
100	Pl2 BPSK	135	138		16.87		18.0	0.0	
100	Pl2 BPSK	270	0		16.94				
100	QPSK	1	1		17.28			18.0	0.0
100	QPSK	1	137		17.11				
100	QPSK	1	271		16.96				
100	QPSK	135	0		16.86		18.0	0.0	
100	QPSK	135	69		17.17		18.0	0.0	
100	QPSK	135	138		17.01		18.0	0.0	
100	QPSK	270	0		17.15				
100	16QAM	1	1		17.13		18.0	0.0	
100	64QAM	1	1		17.14		18.0	0.0	
100	256QAM	1	1		17.13		18.0	0.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	17.03	17.16	17.06	18.0	0.0	
Channel				632666	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510.01			
80	QPSK	1	1	17.04	17.11	17.01	18.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3513.01			
70	QPSK	1	1	17.01	17.02	17.13	18.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	17.21	17.15	17.11	18.0	0.0	
Channel				631666	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	17.12	17.11	17.19	18.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	17.06	17.06	17.03	18.0	0.0	
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	17.03	17.01	17.08	18.0	0.0	
Channel				630666	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	17.21	17.11	17.05	18.0	0.0	

Part270 n78 SA Ant2 Sensor&Handheld									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	Pl2 BPSK	1	1		20.41		21.5	0.0	
100	Pl2 BPSK	1	137		20.35				
100	Pl2 BPSK	1	271		20.47				
100	Pl2 BPSK	135	0		20.38		21.5	0.0	
100	Pl2 BPSK	135	69		20.36		21.5	0.0	
100	Pl2 BPSK	135	138		20.37		21.5	0.0	
100	Pl2 BPSK	270	0		20.34				
100	QPSK	1	1		20.73		21.5	0.0	
100	QPSK	1	137		20.59				
100	QPSK	1	271		20.63				
100	QPSK	135	0		20.63		21.5	0.0	
100	QPSK	135	69		20.64		21.5	0.0	
100	QPSK	135	138		20.46		21.5	0.0	
100	QPSK	270	0		20.52				
100	16QAM	1	1		20.51		21.5	0.0	
100	64QAM	1	1		20.57		21.5	0.0	
100	256QAM	1	1		20.72		21.5	0.0	
Channel				649999	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	20.49	20.45	20.49	21.5	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3749.01	3750	3760.02			
80	QPSK	1	1	20.50	20.58	20.49	21.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.01	3750	3765.01			
70	QPSK	1	1	20.54	20.62	20.64	21.5	0.0	
Channel				648666	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3739.02	3750	3770.01			
60	QPSK	1	1	20.55	20.66	20.49	21.5	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	20.51	20.49	20.58	21.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.01	3750	3780.01			
40	QPSK	1	1	20.53	20.59	20.57	21.5	0.0	
Channel				647666	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.01	3750	3783.01			
30	QPSK	1	1	20.48	20.44	20.59	21.5	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	20.51	20.61	20.50	21.5	0.0	

Part27Q 78 SA Ant2 Sensor&Handheld											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				633334							
Frequency (MHz)				3500.01							
100	P12 BPSK	1	1		20.48		21.5	0.0			
100	P12 BPSK	1	137		20.41						
100	P12 BPSK	1	271		20.50		21.5	0.0			
100	P12 BPSK	135	0		20.26						
100	P12 BPSK	135	69		20.57		21.5				
100	P12 BPSK	135	138		20.52		21.5	0.0			
100	P12 BPSK	270	0		20.38						
100	QPSK	1	1		20.74		21.5	0.0			
100	QPSK	1	137		20.59						
100	QPSK	1	271		20.59		21.5	0.0			
100	QPSK	135	0		20.43						
100	QPSK	135	69		20.73		21.5				
100	QPSK	135	138		20.62		21.5				
100	QPSK	270	0		20.59		21.5				
100	16QAM	1	1		20.63		21.5				
100	64QAM	1	1		20.65		21.5				
100	256QAM	1	1		20.63		21.5				
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3495	3500.01	3505.02					
90	QPSK	1	1		20.54	20.58	20.50	21.5			
Channel				630968	633334	635700	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3490.02	3500.01	3510					
80	QPSK	1	1		20.63	20.51	20.48	21.5			
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3485.01	3500.01	3515.01					
70	QPSK	1	1		20.57	20.61	20.42	21.5			
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3480	3500.01	3520.02					
60	QPSK	1	1		20.60	20.45	20.49	21.5			
Channel				631000	633334	635000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3475.02	3500.01	3525					
50	QPSK	1	1		20.48	20.61	20.48	21.5			
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3470.01	3500.01	3530.01					
40	QPSK	1	1		20.61	20.52	20.57	21.5			
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3465	3500.01	3533.02					
30	QPSK	1	1		20.62	20.49	20.43	21.5			
Channel				630968	633334	636000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3460.02	3500.01	3540					
20	QPSK	1	1		20.52	20.63	20.59	21.5			

Part27Q n78 SA Ant2 Hotspot											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 650000	Power Middle Ch / Freq. 650000	Power High Ch / Freq. 650000	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)				3750	3750	3750					
100	P12 BPSK	1	1		18.02		19.0	0.0			
100	P12 BPSK	1	137		17.76						
100	P12 BPSK	1	271		18.00		19.0	0.0			
100	P12 BPSK	135	0		17.88						
100	P12 BPSK	135	69		17.82		19.0				
100	P12 BPSK	135	138		17.63		19.0	0.0			
100	P12 BPSK	270	0		17.89						
100	QPSK	1	1		18.16		19.0	0.0			
100	QPSK	1	137		18.02						
100	QPSK	1	271		18.09		19.0	0.0			
100	QPSK	135	0		18.09						
100	QPSK	135	69		18.15		19.0				
100	QPSK	135	138		17.82		19.0				
100	QPSK	270	0		18.05		19.0				
100	16QAM	1	1		18.15		19.0				
100	64QAM	1	1		18.15		19.0				
100	256QAM	1	1		18.15		19.0				
Channel				649668	650000	650334	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3745.02	3750	3755.01					
90	QPSK	1	1		18.01	18.09	17.95	19.0			
Channel				649334	650000	650668	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3740.01	3750	3760.02					
80	QPSK	1	1		18.03	18.04	17.96	19.0			
Channel				649000	650000	651000	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3735	3750	3765					
70	QPSK	1	1		18.10	17.89	17.95	19.0			
Channel				648668	650000	651334	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3730.02	3750	3770.01					
60	QPSK	1	1		17.83	17.88	17.87	19.0			
Channel				648334	650000	651668	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3725.01	3750	3775.02					
50	QPSK	1	1		17.98	17.82	18.08	19.0			
Channel				648000	650000	652000	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3720	3750	3780					
40	QPSK	1	1		17.90	18.04	17.92	19.0			
Channel				647668	650000	652334	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3715.02	3750	3795.01					
30	QPSK	1	1		17.89	18.01	17.87	19.0			
Channel				647334	650000	652668	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				3710.01	3750	3790.02					
20	QPSK	1	1		17.98	18.01	18.04	19.0			

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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				633334							
Frequency (MHz)				3500.01							
100	P12 BPSK	1	1		18.18		19.0	0.0			
100	P12 BPSK	1	137		18.04						
100	P12 BPSK	1	271		18.04		19.0	0.0			
100	P12 BPSK	135	0		17.85						
100	P12 BPSK	135	69		18.06		19.0				
100	P12 BPSK	135	138		18.06		19.0	0.0			
100	P12 BPSK	270	0		18.06						
100	QPSK	1	1		18.36		19.0	0.0			
100	QPSK	1	137		18.06						
100	QPSK	1	271		18.14		19.0	0.0			
100	QPSK	135	0		18.08						
100	QPSK	135	69		18.26		19.0				
100	QPSK	135	138		18.01		19.0				
100	QPSK	270	0		18.10		19.0				
100	16QAM	1	1		18.27		19.0				
100	64QAM	1	1		18.19		19.0				
100	256QAM	1	1		18.08		19.0				
Channel				630000	633334	633668	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3495	3500.01	3505.02					
90	QPSK	1	1		18.10	18.18	18.06	19.0			
Channel				630968	633334	635000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3490.02	3500.01	3510					
80	QPSK	1	1		18.11	18.24	18.16	19.0			
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3485.01	3500.01	3515.01					
70	QPSK	1	1		18.27	18.09	18.10	19.0			
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3480	3500.01	3520.02					
60	QPSK	1	1		18.05	18.05	18.14	19.0			
Channel				631000	633334	635000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3475.02	3500.01	3525					
50	QPSK	1	1		18.10	18.14	18.26	19.0			
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3470.01	3500.01	3530.01					
40	QPSK	1	1		18.19	18.12	18.19	19.0			
Channel				631000	63334	35500	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3465	3500.01	3535.02					
30	QPSK	1	1		18.09	18.07	18.26	19.0			
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3460.05	3500.01	3540					
20	QPSK	1	1		18.08	18.09	18.15	19.0			

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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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	17.82	17.93	17.87		
40	PI/2 BPSK	1	108	17.95	18.14	17.98	20.0	0.0
40	PI/2 BPSK	1	214	18.15	18.20	18.05		
40	PI/2 BPSK	108	0	17.97	18.02	17.90	20.0	0.0
40	PI/2 BPSK	108	54	18.02	18.10	17.95	20.0	0.0
40	PI/2 BPSK	108	108	18.03	18.11	17.92		
40	PI/2 BPSK	216	0	17.96	18.09	17.89	20.0	0.0
40	QPSK	1	1	18.18	18.35	18.19		
40	QPSK	1	108	17.59	17.68	17.62	20.0	0.0
40	QPSK	1	214	17.71	17.81	17.66		
40	QPSK	108	0	17.57	17.67	17.53	19.5	0.0
40	QPSK	108	54	18.29	18.33	18.26	20.0	0.0
40	QPSK	108	108	17.59	17.63	17.52		
40	QPSK	216	0	18.11	18.31	18.20	19.5	0.0
40	16QAM	1	1	18.12	18.18	18.00	20.0	0.0
40	64QAM	1	1	17.81	17.88	17.78	20.0	0.0
40	256QAM	1	1	17.53	17.54	17.58	19.5	0.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	17.90	18.09	17.95	20.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	17.97	18.18	17.99	20.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	17.88	18.03	17.98	20.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	17.97	18.03	17.96	20.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	17.88	18.03	17.89	20.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	17.99	18.06	17.87	20.0	0.0



n2 NSA Ant0 Sensor&Hotspot									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	13.0	0.0	
Frequency (MHz)				1860	1880	1900			
20	P12 BPSK	1	1	10.80	10.88	10.75	13.0	0.0	
20	P12 BPSK	1	53	11.01	11.02	10.93			
20	P12 BPSK	1	104	10.91	10.96	10.95			
20	P12 BPSK	50	0	10.87	10.96	10.85			
20	P12 BPSK	50	28	10.89	10.97	10.93	13.0	0.0	
20	P12 BPSK	50	56	10.85	10.99	10.91			
20	P12 BPSK	100	0	10.93	10.96	10.94			
20	QPSK	1	1	11.31	11.32	11.20			
20	QPSK	1	53	11.11	11.09	11.02	13.0	0.0	
20	QPSK	1	104	11.06	11.09	10.96			
20	QPSK	50	0	10.98	11.01	10.87			
20	QPSK	50	28	11.00	11.29	11.00			
20	QPSK	50	56	10.89	10.96	10.98	13.0	0.0	
20	QPSK	100	0	10.90	11.27	10.98			
20	16QAM	1	1	11.10	11.17	11.16			
20	64QAM	1	1	11.15	11.16	11.05			
20	256QAM	1	1	11.28	11.30	11.19	13.0	0.0	
Channel				371500	376000	380500			
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	11.13	11.23	11.05	13.0	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	11.14	11.22	11.09	13.0	0.0	
Channel				370500	376000	381500	Tune-up limit	MPR	
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)	
5	QPSK	1	1	11.17	11.19	11.02	13.0	0.0	

n5 NSA Ant0 Sensor&Hotspot&Handheld									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	22.0	0.0	
Frequency (MHz)				834	836.5	839			
20	P12 BPSK	1	1	20.16	20.29	20.20	22.0	0.0	
20	P12 BPSK	1	53	20.15	20.16	20.14			
20	P12 BPSK	1	104	20.20	20.23	20.18			
20	P12 BPSK	50	0	20.25	20.32	20.23			
20	P12 BPSK	50	28	20.19	20.24	20.22	22.0	0.0	
20	P12 BPSK	50	56	20.09	20.16	20.15			
20	P12 BPSK	100	0	20.14	20.28	20.17			
20	QPSK	1	1	20.43	20.45	20.31			
20	QPSK	1	53	20.28	20.27	20.19	22.0	0.0	
20	QPSK	1	104	20.15	20.18	20.12			
20	QPSK	50	0	20.27	20.28	20.25			
20	QPSK	50	28	20.28	20.42	20.41			
20	QPSK	50	56	19.96	20.15	20.14	22.0	0.0	
20	QPSK	100	0	20.35	20.35	20.35			
20	16QAM	1	1	20.26	20.31	20.24			
20	64QAM	1	1	19.69	19.82	19.68		21.5	
20	256QAM	1	1	17.54	17.84	17.52	19.5	2.5	
Channel				165300	167300	169300			
Frequency (MHz)				831.5	836.5	841.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	19.87	19.79	19.64	22.0	0.0	
Channel				166800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	19.79	19.94	19.69	22.0	0.0	
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	19.76	19.83	19.67	22.0	0.0	

n2 NSA Ant0 Handheld									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	17.5	0.0	
Frequency (MHz)				1860	1880	1900			
20	P12 BPSK	1	1	16.06	16.24	16.19	17.5	0.0	
20	P12 BPSK	1	53	16.31	16.34	16.27			
20	P12 BPSK	1	104	16.16	16.37	16.25			
20	P12 BPSK	50	0	16.27	16.32	16.23			
20	P12 BPSK	50	28	16.18	16.30	16.14	17.5	0.0	
20	P12 BPSK	50	56	16.13	16.31	16.21			
20	P12 BPSK	100	0	16.16	16.29	16.20			
20	QPSK	1	1	16.32	16.41	16.20			
20	QPSK	1	53	16.27	16.35	16.16	17.5	0.0	
20	QPSK	1	104	16.23	16.37	16.22			
20	QPSK	50	0	16.23	16.31	16.23			
20	QPSK	50	28	16.14	16.33	16.28			
20	QPSK	50	56	16.22	16.31	16.11	17.5	0.0	
20	QPSK	100	0	16.14	16.31	16.23			
20	16QAM	1	1	16.00	16.08	15.93			
20	64QAM	1	1	15.66	15.81	15.72		17.5	
20	256QAM	1	1	16.08	16.11	16.04	17.5	0.0	
Channel				371500	376000	380500			
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	16.19	16.31	16.15	17.5	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	16.15	16.32	16.09	17.5	0.0	
Channel				370500	376000	381500	Tune-up limit	MPR	
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)	
5	QPSK	1	1	16.20	16.27	16.05	17.5	0.0	

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Channel		504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2520	2535	2550		
40	PI2 BPSK	1	1	16.80	16.55	16.46
40	PI2 BPSK	1	108	16.59	16.73	16.58
40	PI2 BPSK	1	214	16.87	16.80	16.66
40	PI2 BPSK	108	0	16.55	16.62	16.52
40	PI2 BPSK	108	54	16.44	16.49	16.39
40	PI2 BPSK	108	108	16.51	16.60	16.50
40	PI2 BPSK	216	0	16.52	16.68	16.50
40	QPSK	1	1	16.71	16.88	16.86
40	QPSK	1	108	16.79	16.81	16.69
40	QPSK	1	214	16.55	16.72	16.65
40	QPSK	108	0	16.52	16.64	16.50
40	QPSK	108	54	16.59	16.87	16.57
40	QPSK	108	108	16.64	16.73	16.55
40	QPSK	216	0	16.81	16.86	16.54
40	16QAM	1	1	16.52	16.47	16.41
40	64QAM	1	1	16.05	16.16	16.07
40	256QAM	1	1	16.75	16.80	16.61
Channel		503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2515	2535	2555		
30	QPSK	1	1	16.70	16.74	16.58
Channel		502000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2512.5	2535	2557.5		
25	QPSK	1	1	16.59	16.63	16.57
Channel		502000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2510	2535	2560		
20	PI2 BPSK	1	1	16.75	16.78	16.61
Channel		501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2507.5	2535	2562.5		
15	QPSK	1	1	16.59	16.69	16.49
Channel		501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2505	2535	2565		
10	QPSK	1	1	16.74	16.76	16.63
Channel		500000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2502.5	2535	2567.5		
5	QPSK	1	1	16.64	16.65	16.50

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Channel		346000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		1730	1745	1765		
40	PI2 BPSK	1	1	17.01	17.06	17.02
40	PI2 BPSK	1	108	17.00	17.07	17.00
40	PI2 BPSK	1	214	16.72	16.85	16.75
40	PI2 BPSK	108	0	16.84	16.96	16.76
40	PI2 BPSK	108	54	16.78	16.82	16.71
40	PI2 BPSK	108	108	16.82	16.89	16.79
40	PI2 BPSK	216	0	16.74	16.92	16.86
40	QPSK	1	1	17.20	17.23	17.10
40	QPSK	1	108	16.77	16.92	16.84
40	QPSK	1	214	16.70	16.82	16.60
40	QPSK	108	0	16.68	16.80	16.66
40	QPSK	108	54	17.18	17.21	17.14
40	QPSK	108	108	16.68	16.80	16.71
40	QPSK	216	0	17.05	17.16	16.98
40	16QAM	1	1	16.60	16.64	16.52
40	64QAM	1	1	16.28	16.46	16.28
40	256QAM	1	1	16.50	16.65	16.60
Channel		345000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		1725	1745	1765		
30	QPSK	1	1	17.17	17.07	16.93
Channel		344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		1720	1745	1770		
20	QPSK	1	1	17.07	17.17	16.95
Channel		343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		1717.5	1745	1772.5		
15	QPSK	1	1	17.05	17.11	16.98
Channel		343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		1715	1745	1775		
10	QPSK	1	1	17.17	17.20	17.05
Channel		342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		1712.5	1745	1777.5		
5	QPSK	1	1	17.03	17.15	17.01

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Channel		504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2520	2535	2550		
40	PI2 BPSK	1	1	17.07	17.23	17.16
40	PI2 BPSK	1	108	17.42	17.43	17.30
40	PI2 BPSK	1	214	17.36	17.37	17.23
40	PI2 BPSK	108	0	17.15	17.26	17.10
40	PI2 BPSK	108	54	17.12	17.19	17.16
40	PI2 BPSK	108	108	17.18	17.36	17.30
40	PI2 BPSK	216	0	17.22	17.27	17.23
40	QPSK	1	1	17.45	17.48	17.42
40	QPSK	1	108	17.29	17.46	17.39
40	QPSK	1	214	17.27	17.41	17.31
40	QPSK	108	0	17.19	17.25	17.23
40	QPSK	108	54	17.30	17.46	17.45
40	QPSK	108	108	17.14	17.28	17.24
40	QPSK	216	0	17.39	17.43	17.38
40	16QAM	1	1	17.18	17.18	17.12
40	64QAM	1	1	16.80	16.89	16.82
40	256QAM	1	1	17.32	17.35	17.19
Channel		503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2515	2535	2555		
30	QPSK	1	1	17.27	17.29	17.25
Channel		502000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2512.5	2535	2557.5		
25	QPSK	1	1	17.29	17.43	17.31
Channel		502000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2510	2535	2560		
20	PI2 BPSK	1	1	17.24	17.27	17.23
Channel		501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2507.5	2535	2562.5		
15	QPSK	1	1	17.33	17.43	17.26
Channel		501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2505	2535	2565		
10	QPSK	1	1	17.32	17.30	17.35
Channel		500000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2502.5	2535	2567.5		
5	QPSK	1	1	17.38	17.38	17.30

n66 NSA Ant1 Handheld						
Channel		346000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		1730	1745	1760		
40	PI2 BPSK	1	1	22.06	22.27	22.06
40	PI2 BPSK	1	108	22.08	22.15	22.08
40	PI2 BPSK	1	214	21.82	21.94	21.90
40	PI2 BPSK	108	0	21.80	21.99	21.82
40	PI2 BPSK	108	54	21.75	21.94	21.74
40	PI2 BPSK	108	108	21.75	21.96	21.80
40	PI2 BPSK	216	0	21.82	21.97	21.76
40	QPSK	1	1	21.85	21.94	21.86
40	QPSK	1	108	21.82	21.75	21.68
40	QPSK	1	214	21.61	21.61	21.66
40	QPSK	108	0	21.80	21.91	21.88
40	QPSK	108	54	21.82	21.92	21.85
40	QPSK	108	108	21.78	21.87	21.70
40	QPSK	216	0	21.68	21.68	21.73
40	16QAM	1	1	20.98	21.11	21.08
40	64QAM	1	1	19.29	19.41	19.34
40	256QAM	1	1	17.75	17.86	17.66
Channel		345000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		1725	1745	1765		
30	QPSK	1	1	21.82	21.79	21.68
Channel		344000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		1720	1745	1770		
20	QPSK	1	1	21.67	21.88	21.78
Channel		343000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		1717.5	1745	1772.5		
15	QPSK	1	1	21.64	21.70	21.70
Channel		343000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		1715	1745	1775		
10	QPSK	1	1	21.81	21.91	21.73
Channel		342500	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		1712.5	1745	1777.5		
5	QPSK	1	1	21.70	21.84	21.80

n7 NSA Ant1 Receiver						
Channel		504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2520	2535	2550		
40	PI2 BPSK	1	1	18.02	18.14	17.93
40	PI2 BPSK	1	108	18.20	18.38	18.24
40	PI2 BPSK	1	214	18.20	18.37	18.21
40	PI2 BPSK	108	0	18.12	18.28	18.13
40	PI2 BPSK	108	54	17.93	18.17	18.00
40	PI2 BPSK	108	108	18.14	18.33	18.22
40	PI2 BPSK	216	0	18.07	18.27	18.15
40	QPSK	1	1	18.15	18.41	18.23
40	QPSK	1	108	18.18	18.29	18.05
40	QPSK	1	214	18.05	18.29	18.09
40	QPSK	108	0	17.99	18.18	17.99
40	QPSK	108	54	18.05	18.29	18.09
40	QPSK	108	108	18.18	18.28	18.15
40	QPSK	216	0	18.15	18.24	18.11
40	16QAM	1	1	18.38	18.28	18.39
40	64QAM	1	1	17.98	18.23	18.03
40	256QAM	1	1	18.04	18.22	17.99
Channel		503000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2515	2535	2555		
30	QPSK	1	1	18.37	18.35	18.45
Channel		502000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2512.5	2535	2557.5		
25	QPSK	1	1	18.15	18.19	18.27
Channel		502000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2510	2535	2560		
20	PI2 BPSK	1	1	18.22	18.27	18.35
Channel		501500	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2507.5	2535	2562.5		
15	QPSK	1	1	18.14	18.15	18.36
Channel		501000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2505	2535	2565		
10	QPSK	1	1	18.14	18.21	18.28
Channel		500500	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		2502.5	2535	2567.5		
5	QPSK	1	1	18.17	18.26	18.29

n66 NSA Ant1 Receiver						
Channel		346000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		1730	1745	1760		
40	PI2 BPSK	1	1	18.27	18.48	18.24
40	PI2 BPSK	1	108	18.27	18.49	18.37
40	PI2 BPSK	1	214	18.30	18.43	18.26
40	PI2 BPSK	108	0	18.27	18.46	18.35
40	PI2 BPSK	108	54	18.25	18.41	18.16
40	PI2 BPSK	108	108	18.19	18.44	18.27
40	PI2 BPSK	216	0	18.32	18.46	18.30
40	QPSK	1	1	18.31	18.47	18.33
40	QPSK	1	108	18.08	18.33	18.23
40	QPSK	1	214	18.15	18.26	18.12
40	QPSK	108	0	18.16	18.35	18.11
40	QPSK	108	54	18.18	18.39	18.22
40	QPSK	108	108	18.11	18.34	18.20
40	QPSK	216	0	18.11	18.33	18.25
40	16QAM	1	1	18.24	18.33	18.18
40	64QAM	1	1	18.15	18.29	18.13
40	256QAM	1	1	17.62	17.79	17.70
Channel		345000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		1725	1745	1765		
30	QPSK	1	1	18.17	18.25	18.15
Channel		344000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		1720	1745	1770		
20	QPSK	1	1	17.95	18.01	17.94
Channel		343000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		1717.5	1745	1772.5		
15	QPSK	1	1	17.69	18.03	17.68
Channel		343000	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		1715	1745	1775		
10	QPSK	1	1	17.84	17.60	17.81
Channel		342500	349000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)		1712.5	1745	1777.5		
5	QPSK	1	1	18.03	18.01	17.95

n7 NSA Ant1 Sensor								
Channel			504000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)			2530	2535	2550			
40	PV2 BPSK	1	1	17.07	17.23	17.16		
40	PV2 BPSK	1	108	17.42	17.43	17.30	18.0	0.0
40	PV2 BPSK	1	214	17.36	17.37	17.23		
40	PV2 BPSK	108	0	17.15	17.26	17.10	18.0	0.0
40	PV2 BPSK	108	54	17.12	17.19	17.16	18.0	0.0
40	PV2 BPSK	108	108	17.18	17.36	17.30	18.0	0.0
40	PV2 BPSK	216	0	17.22	17.27	17.23		
40	QPSK	1	1	17.45	17.48	17.42		
40	QPSK	1	108	17.29	17.46	17.39	18.0	
40	QPSK	1	214	17.27	17.41	17.31		
40	QPSK	108	0	17.19	17.25	17.23	18.0	0.0
40	QPSK	108	54	17.30	17.46	17.45	18.0	0.0
40	QPSK	108	108	17.14	17.28	17.24	18.0	0.0
40	QPSK	216	0	17.39	17.43	17.38		
40	16QAM	1	1	17.18	17.18	17.12	18.0	0.0
40	64QAM	1	1	16.80	16.89	16.82	18.0	0.0
40	256QAM	1	1	17.32	17.35	17.19	18.0	0.0
Channel			503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)			2516	2535	2555			
30	QPSK	1	1	17.27	17.29	17.25	18.0	0.0
Channel			505000	507000	511500	Tune-up limit	MPR	
Frequency (MHz)			2512.5	2535	2507.5			
25	QPSK	1	1	17.38	17.43	17.31	18.0	0.0
Channel			502000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)			2510	2535	2560			
20	PV2 BPSK	1	1	17.24	17.27	17.23	18.0	0.0
Channel			510100	510100	512500	Tune-up limit	MPR	
Frequency (MHz)			2507.5	2535	2562.5			
15	QPSK	1	1	17.33	17.43	17.26	18.0	0.0
Channel			501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)			2505	2535	2565			
10	QPSK	1	1	17.32	17.30	17.35	18.0	0.0
Channel			500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)			2502.5	2535	2507.5			
5	QPSK	1	1	17.38	17.38	17.30	18.0	0.0

n66 NSA Ant1 Sensor								
Channel			346000	349000	352000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)			1730	1745	1760			
40	PV2 BPSK	1	1	18.08	18.12	18.04		
40	PV2 BPSK	1	108	17.80	18.02	17.96	19.0	0.0
40	PV2 BPSK	1	214	17.70	17.86	17.79		
40	PV2 BPSK	108	0	17.72	17.89	17.71	19.0	0.0
40	PV2 BPSK	108	54	17.71	17.77	17.56	19.0	0.0
40	PV2 BPSK	108	108	17.81	17.95	17.81	19.0	0.0
40	PV2 BPSK	216	0	17.75	17.88	17.82		
40	QPSK	1	1	17.77	17.94	17.87		
40	QPSK	1	108	17.74	17.83	17.71	19.0	0.0
40	QPSK	1	214	17.62	17.63	17.65		
40	QPSK	108	0	17.75	17.79	17.73	19.0	0.0
40	QPSK	108	54	17.76	17.92	17.62	19.0	0.0
40	QPSK	108	108	17.89	17.81	17.86	19.0	0.0
40	QPSK	216	0	17.69	17.67	17.70		
40	16QAM	1	1	17.41	17.63	17.48	19.0	0.0
40	64QAM	1	1	17.28	17.41	17.30	19.0	0.0
40	256QAM	1	1	17.44	17.59	17.54	19.0	0.0
Channel			345000	349000	353000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)			1725	1745	1765			
30	QPSK	1	1	17.66	17.79	17.75	19.0	0.0
Channel			344000	349000	354000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)			1720	1745	1770			
20	QPSK	1	1	17.61	17.80	17.82	19.0	0.0
Channel			343000	349000	354500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)			1717.5	1745	1772.5			
15	QPSK	1	1	17.69	17.77	17.80	19.0	0.0
Channel			343000	349000	350000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)			1715	1745	1775			
10	QPSK	1	1	17.70	17.79	17.68	19.0	0.0
Channel			342500	349000	350500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)			1712.5	1745	1777.5			
5	QPSK	1	1	17.61	17.77	17.66	19.0	0.0

n7 NSA Ant5 Hotspot								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	20.0	0.0
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	17.70	17.81	17.75	20.0	0.0
40	PI/2 BPSK	1	108	17.83	18.02	17.86		
40	PI/2 BPSK	1	214	18.03	18.08	17.93	20.0	0.0
40	PI/2 BPSK	108	0	17.85	17.90	17.78		
40	PI/2 BPSK	108	54	17.90	17.98	17.83	20.0	0.0
40	PI/2 BPSK	108	108	17.91	17.99	17.80		
40	PI/2 BPSK	216	0	17.84	17.97	17.77	20.0	0.0
40	QPSK	1	1	18.06	18.23	18.07		
40	QPSK	1	108	17.47	17.56	17.50	20.0	0.0
40	QPSK	1	214	17.59	17.69	17.56		
40	QPSK	108	0	17.25	17.35	17.18	19.0	1.0
40	QPSK	108	54	18.17	18.21	18.14		
40	QPSK	108	108	17.37	17.51	17.30	19.0	1.0
40	QPSK	216	0	17.99	18.19	18.08		
40	16QAM	1	1	18.00	18.06	17.88	20.0	0.0
40	64QAM	1	1	17.69	17.76	17.66		
40	256QAM	1	1	17.21	17.42	17.26	19.5	0.5
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	17.90	18.09	17.95	20.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	17.97	18.18	17.99	20.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	17.88	18.03	17.98	20.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	17.97	18.03	17.96	20.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	17.88	18.03	17.89	20.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	17.99	18.06	17.87	20.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	15.93	16.23	16.08		
100	PI2 BPSK	1	137	15.94	16.12	15.93	18.0	0.0
100	PI2 BPSK	1	271	15.87	15.90	15.89		
100	PI2 BPSK	135	0	15.89	15.94	15.96	18.0	0.0
100	PI2 BPSK	135	69	15.94	16.02	16.00	18.0	0.0
100	PI2 BPSK	135	138	15.88	16.06	15.78	18.0	0.0
100	PI2 BPSK	270	0	15.89	15.97	15.93		
100	QPSK	1	1	16.06	16.24	16.17		
100	QPSK	1	137	16.00	16.20	16.06		
100	QPSK	1	271	16.01	16.08	16.05	18.0	0.0
100	QPSK	135	0	15.97	16.12	16.01	18.0	0.0
100	QPSK	135	69	16.11	16.14	16.04	18.0	0.0
100	QPSK	135	138	15.96	16.07	15.95	18.0	0.0
100	QPSK	270	0	15.97	16.01	15.98		
100	16QAM	1	1	16.07	16.13	16.06	18.0	0.0
100	64QAM	1	1	15.97	16.09	15.99	18.0	0.0
100	256QAM	1	1	15.98	15.93	15.71	18.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.91	16.12	16.04	18.0	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.93	15.95	16.06	18.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	15.97	16.07	15.87	18.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.81	15.93	16.04	18.0	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.96	16.07	16.07	18.0	0.0
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.75	16.08	15.91	18.0	0.0
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	15.94	16.04	15.84	18.0	0.0
Channel				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.91	15.96	16.04	18.0	0.0

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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					633334			
Frequency (MHz)					3500.01			
100	PI2 BPSK	1	1		16.07			
100	PI2 BPSK	1	137		15.72		18.0	0.0
100	PI2 BPSK	1	271		15.83			
100	PI2 BPSK	135	0		15.93		18.0	0.0
100	PI2 BPSK	135	69		15.91		18.0	0.0
100	PI2 BPSK	135	138		15.86		18.0	0.0
100	PI2 BPSK	270	0		15.82			
100	QPSK	1	1		16.26			
100	QPSK	1	137		15.96			
100	QPSK	1	271		16.01		18.0	0.0
100	QPSK	135	0		16.10		18.0	0.0
100	QPSK	135	69		16.12		18.0	0.0
100	QPSK	135	138		16.00		18.0	0.0
100	QPSK	270	0		16.13			
100	16QAM	1	1		16.07		18.0	0.0
100	64QAM	1	1		16.15		18.0	0.0
100	256QAM	1	1		15.52		18.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.01	16.10	16.01	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.97	16.11	16.10	18.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.00	16.15	16.07	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.02	15.98	16.07	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.05	16.11	16.10	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.14	15.95	15.95	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.06	16.11	15.99	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.99	16.15	16.10	18.0	0.0

Part27O n78 NSA Ant2_FCC Sensor&Handheld

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		16.07			
100	PI2 BPSK	1	137		15.74		17.5	0.0
100	PI2 BPSK	1	271		15.71			
100	PI2 BPSK	135	0		15.63		17.5	0.0
100	PI2 BPSK	135	69		15.63		17.5	0.0
100	PI2 BPSK	135	138		15.51		17.5	0.0
100	PI2 BPSK	270	0		15.51			
100	QPSK	1	1		15.91			
100	QPSK	1	137		15.61			
100	QPSK	1	271		15.74		17.5	0.0
100	QPSK	135	0		15.66		17.5	0.0
100	QPSK	135	69		15.83		17.5	0.0
100	QPSK	135	138		15.60		17.5	0.0
100	QPSK	270	0		15.55			
100	16QAM	1	1		15.83		17.5	0.0
100	64QAM	1	1		15.77		17.5	0.0
100	256QAM	1	1		15.52		17.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	15.68	15.82	15.66	17.5	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760		
80	QPSK	1	1	15.69	15.80	15.66	17.5	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	15.64	15.61	15.61	17.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	15.68	15.74	15.77	17.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	15.69	15.75	15.71	17.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	15.68	15.71	15.72	17.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	15.70	15.70	15.60	17.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	15.78	15.76	15.73	17.5	0.0



Part27Q 78 NSA Ant2_FCC Sensor&Handheld									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1	15.77					
100	Pi2 BPSK	1	137	15.64			17.5	0.0	
100	Pi2 BPSK	1	271	15.65					
100	Pi2 BPSK	135	0	15.75			17.5	0.0	
100	Pi2 BPSK	135	69	15.69			17.5	0.0	
100	Pi2 BPSK	135	138	15.77			17.5	0.0	
100	Pi2 BPSK	270	0	15.66					
100	QPSK	1	1	16.13					
100	QPSK	1	137	15.80			17.5	0.0	
100	QPSK	1	271	15.78					
100	QPSK	135	0	15.91			17.5	0.0	
100	QPSK	135	69	15.94			17.5	0.0	
100	QPSK	135	138	15.78			17.5	0.0	
100	QPSK	270	0	15.04					
100	16QAM	1	1	15.87			17.5	0.0	
100	64QAM	1	1	15.93			17.5	0.0	
100	256QAM	1	1	15.54			17.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	15.93	15.84	15.92	17.5	0.0	
Channel				630668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3498.02	3500.01	3510			
80	QPSK	1	1	15.95	15.82	15.93	17.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495.01	3500.01	3515.01			
70	QPSK	1	1	15.59	15.12	15.85	17.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3500.01	3520.02			
60	QPSK	1	1	15.94	16.03	15.96	17.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	15.88	15.81	15.88	17.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	15.96	15.82	16.01	17.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	15.59	15.82	15.95	17.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	15.91	15.91	15.84	17.5	0.0	

Part27Q n77 NSA Ant2 Receiver									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)					#REF!				
100	Pi2 BPSK	1	1	13.54					
100	Pi2 BPSK	1	137	13.24			15.0	0.0	
100	Pi2 BPSK	1	271	13.27					
100	Pi2 BPSK	135	0	13.44			15.0	0.0	
100	Pi2 BPSK	135	69	13.43			15.0	0.0	
100	Pi2 BPSK	135	138	13.20			15.0	0.0	
100	Pi2 BPSK	270	0	13.26					
100	QPSK	1	1	13.07					
100	QPSK	1	137	13.43			15.0	0.0	
100	QPSK	1	271	13.42					
100	QPSK	135	0	13.56			15.0	0.0	
100	QPSK	135	69	13.60			15.0	0.0	
100	QPSK	135	138	13.34			15.0	0.0	
100	QPSK	270	0	13.05					
100	16QAM	1	1	13.55			15.0	0.0	
100	64QAM	1	1	13.49			15.0	0.0	
100	256QAM	1	1	13.29			15.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	13.36	13.29	13.33	15.0	0.0	
Channel				630668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3498.02	3500.01	3510.01			
80	QPSK	1	1	13.38	13.40	13.25	15.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495.01	3500.01	3515.01			
70	QPSK	1	1	13.25	13.53	13.52	15.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3500.01	3520.02			
60	QPSK	1	1	13.36	13.37	13.35	15.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	13.26	13.26	13.30	15.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	13.35	13.34	13.34	15.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	13.26	13.33	13.34	15.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	13.34	13.39	13.36	15.0	0.0	

Part27O n77 NSA Ant2 Receiver									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3790	3840	3900			
100	Pi2 BPSK	1	1	13.44	13.52	13.59			
100	Pi2 BPSK	1	137	13.17	13.18	13.21	18.0	0.0	
100	Pi2 BPSK	1	271	13.10	13.25	13.24			
100	Pi2 BPSK	135	0	13.37	13.30	13.31	18.0	0.0	
100	Pi2 BPSK	135	69	13.41	13.38	13.26	18.0	0.0	
100	Pi2 BPSK	135	138	13.19	13.06	13.16	18.0	0.0	
100	Pi2 BPSK	270	0	13.25	13.20	13.16	18.0	0.0	
100	QPSK	1	1	13.64	13.73	13.58			
100	QPSK	1	137	13.30	13.41	13.26	18.0	0.0	
100	QPSK	1	271	13.33	13.35	13.39			
100	QPSK	135	0	13.44	13.44	13.50	18.0	0.0	
100	QPSK	135	69	13.59	13.71	13.56	18.0	0.0	
100	QPSK	135	138	13.19	13.28	13.27	18.0	0.0	
100	QPSK	270	0	13.45	13.54	13.53			
100	16QAM	1	1	13.45	13.46	13.48	18.0	0.0	
100	64QAM	1	1	13.34	13.34	13.32	18.0	0.0	
100	256QAM	1	1	13.12	13.26	13.20	18.0	0.0	
Channel									
Frequency (MHz)				640000	650000	660000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	13.05	13.56	13.55	18.0	0.0	
Channel									
Frequency (MHz)				646334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	13.47	13.63	13.57	18.0	0.0	
Channel									
Frequency (MHz)				648000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	13.61	13.61	13.59	18.0	0.0	
Channel									
Frequency (MHz)				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	13.56	13.65	13.55	18.0	0.0	
Channel									
Frequency (MHz)				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	13.59	13.72	13.62	18.0	0.0	
Channel									
Frequency (MHz)				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	13.56	13.56	13.50	18.0	0.0	
Channel									
Frequency (MHz)				647704	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	13.42	13.50	13.16	18.0	0.0	
Channel									
Frequency (MHz)				647204	650000	663800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	13.49	13.67	13.47	18.0	0.0	

Part270 n78 NSA Ant2 Receiver									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. #REF!	Power Modem Ch. / Freq. #REF!	Power High Ch. / Freq. #REF!	Tune-up limit (dBm)	MPR (dB)	
	Channel			#REF!	#REF!	#REF!			
	Frequency (MHz)			#REF!	#REF!	#REF!			
100	PQ2 BPSK	1	1		13.24				
100	PQ2 BPSK	1	137		13.09		15.0	0.0	
100	PQ2 BPSK	1	271		13.17				
100	PQ2 BPSK	135	0		13.16		15.0	0.0	
100	PQ2 BPSK	135	69		13.01		15.0	0.0	
100	PQ2 BPSK	135	138		13.06				
100	PQ2 BPSK	270	0		13.05		15.0	0.0	
100	QPSK	1	1		13.49				
100	QPSK	1	137		13.21		15.0	0.0	
100	QPSK	1	271		13.40				
100	QPSK	135	0		13.33		15.0	0.0	
100	QPSK	135	69		13.18		15.0	0.0	
100	QPSK	135	138		13.28		15.0	0.0	
100	QPSK	270	0		13.25				
100	16QAM	1	1		13.30		15.0	0.0	
100	64QAM	1	1		13.30		15.0	0.0	
100	256QAM	1	1		13.27		15.0	0.0	
	Channel			649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
	Frequency (MHz)			3745.02	3750	3755.01			
90	QPSK	1	1	13.41	13.38	13.53	15.0	0.0	
	Channel			649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
	Frequency (MHz)			3740.01	3750	3760.02			
80	QPSK	1	1	13.36	13.27	13.64	15.0	0.0	
	Channel			649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
	Frequency (MHz)			3735	3750	3765			
70	QPSK	1	1	13.28	13.28	13.43	15.0	0.0	
	Channel			648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
	Frequency (MHz)			3730.02	3750	3770.01			
60	QPSK	1	1	13.26	13.26	13.47	15.0	0.0	
	Channel			648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
	Frequency (MHz)			3725.01	3750	3775.02			
50	QPSK	1	1	13.39	13.39	13.24	15.0	0.0	
	Channel			648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
	Frequency (MHz)			3720	3750	3780			
40	QPSK	1	1	13.29	13.35	13.16	15.0	0.0	
	Channel			647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
	Frequency (MHz)			3715.02	3750	3785.01			
30	QPSK	1	1	13.25	13.34	13.09	15.0	0.0	
	Channel			647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
	Frequency (MHz)			3710.01	3750	3790.02			
20	QPSK	1	1	13.22	13.29	13.20	15.0	0.0	



Part27Q 78 NSA Ant2 Receiver									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				#REF!					
100	Pi2 BPSK	1	1		13.53				
100	Pi2 BPSK	1	137		13.19		15.0	0.0	
100	Pi2 BPSK	1	271		13.10				
100	Pi2 BPSK	135	0		13.43		15.0	0.0	
100	Pi2 BPSK	135	69		13.29		15.0	0.0	
100	Pi2 BPSK	135	138		13.17		15.0	0.0	
100	Pi2 BPSK	270	0		13.26				
100	QPSK	1	1		13.62				
100	QPSK	1	137		13.42		15.0	0.0	
100	QPSK	1	271		13.43				
100	QPSK	135	0		13.40		15.0	0.0	
100	QPSK	135	69		13.58		15.0	0.0	
100	QPSK	135	138		13.32		15.0	0.0	
100	QPSK	270	0		13.56				
100	16QAM	1	1		13.55		15.0	0.0	
100	64QAM	1	1		13.36		15.0	0.0	
100	256QAM	1	1		13.19		15.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		13.48	13.27	13.25	15.0	0.0
Channel				630668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3486.02	3500.01	3515.01			
80	QPSK	1	1		13.42	13.40	13.06	15.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		13.41	13.40	13.22	15.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		13.49	13.25	13.23	15.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		13.43	13.33	13.25	15.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		13.28	13.27	13.14	15.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		13.25	13.35	13.24	15.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		13.32	13.32	13.12	15.0	0.0

Par27Q n77 NSA Ant2 Hotspot									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	Pi2 BPSK	1	1	15.32	15.40	15.53			
100	Pi2 BPSK	1	137	15.29	15.51	15.23	16.5	0.0	
100	Pi2 BPSK	1	271	15.31	15.34	15.23			
100	Pi2 BPSK	135	0	15.29	15.35	15.36	16.5	0.0	
100	Pi2 BPSK	135	69	15.32	15.44	15.40	16.5	0.0	
100	Pi2 BPSK	135	138	14.98	15.41	15.24	16.5	0.0	
100	Pi2 BPSK	270	0	15.06	15.34	15.25	16.5	0.0	
100	QPSK	1	1	15.50	15.65	15.52			
100	QPSK	1	137	15.36	15.61	15.48	16.5	0.0	
100	QPSK	1	271	15.45	15.44	15.37			
100	QPSK	135	0	15.28	15.43	15.40	16.5	0.0	
100	QPSK	135	69	15.47	15.48	15.37	16.5	0.0	
100	QPSK	135	138	15.28	15.41	15.41	16.5	0.0	
100	QPSK	270	0	15.27	15.44	15.31			
100	16QAM	1	1	15.39	15.53	15.53	16.5	0.0	
100	64QAM	1	1	15.29	15.54	15.45	16.5	0.0	
100	256QAM	1	1	15.04	15.28	15.05	16.5	0.0	
Channel				649668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3955.01			
90	QPSK	1	1	15.08	15.53	15.34	16.5	0.0	
Channel				648334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3945			
80	QPSK	1	1	15.35	15.71	15.46	16.5	0.0	
Channel				649000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	15.05	15.40	15.31	16.5	0.0	
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.46	15.55	15.47	16.5	0.0	
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	15.35	15.57	15.49	16.5	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.58	15.59	15.47	16.5	0.0	
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	15.22	15.37	15.27	16.5	0.0	
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.47	15.50	15.51	16.5	0.0	

Part27Q n77 NSA Ant2 Hotspot									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1		15.46				
100	Pi2 BPSK	1	137		15.19		16.5	0.0	
100	Pi2 BPSK	1	271		15.19				
100	Pi2 BPSK	135	0		15.29		16.5	0.0	
100	Pi2 BPSK	135	69		15.35		16.5	0.0	
100	Pi2 BPSK	135	138		15.18		16.5	0.0	
100	Pi2 BPSK	270	0		15.14				
100	QPSK	1	1		15.73				
100	QPSK	1	137		15.48		16.5	0.0	
100	QPSK	1	271		15.48				
100	QPSK	135	0		15.44		16.5	0.0	
100	QPSK	135	69		15.46		16.5	0.0	
100	QPSK	135	138		15.43		16.5	0.0	
100	QPSK	270	0		15.60				
100	16QAM	1	1		15.38		16.5	0.0	
100	64QAM	1	1		15.57		16.5	0.0	
100	256QAM	1	1		14.93		16.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	15.32	15.56	15.42	16.5	0.0	
Channel				630668	633334	634000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3486.02	3500.01	3515.01			
80	QPSK	1	1	15.40	15.49	15.39	16.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	15.22	15.53	15.26	16.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	15.28	15.52	15.29	16.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	15.24	15.59	15.24	16.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	15.15	15.20	15.18	16.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	15.25	15.28	15.23	16.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.00	3500.01	3540			
20	QPSK	1	1	15.02	15.15	15.19	16.5	0.0	



Part270 n78 NSA Ant2 Hotspot									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		15.53		16.5	0.0	
100	PI2 BPSK	1	137		15.65				
100	PI2 BPSK	1	271		15.65				
100	PI2 BPSK	135	0		15.60		16.5	0.0	
100	PI2 BPSK	135	69		15.65		16.5	0.0	
100	PI2 BPSK	135	138		15.43		16.5	0.0	
100	PI2 BPSK	270	0		15.32		16.5	0.0	
100	QPSK	1	1		15.87				
100	QPSK	1	137		15.77				
100	QPSK	1	271		15.70		16.5	0.0	
100	QPSK	135	0		15.54		16.5	0.0	
100	QPSK	135	69		15.76		16.5	0.0	
100	QPSK	135	138		15.55		16.5	0.0	
100	QPSK	270	0		15.35		16.5	0.0	
100	16QAM	1	1		15.79				
100	64QAM	1	1		15.59				
100	256QAM	1	1		15.47		16.5	0.0	
Channel				649608	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		15.13	15.00	15.05	16.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		15.24	15.19	15.21	16.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		15.10	15.15	15.00	16.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		15.22	15.15	15.16	16.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		15.21	15.30	15.11	16.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		15.07	15.25	15.19	16.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		15.45	15.24	15.40	16.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		15.26	15.24	15.28	16.5	0.0

Part27Q 78 NSA Ant2 Hotspot									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334	633334			
Frequency (MHz)				3600.01					
100	PI2 BPSK	1	1		15.28		16.5	0.0	
100	PI2 BPSK	1	137		15.06				
100	PI2 BPSK	1	271		15.07				
100	PI2 BPSK	135	0		15.23		16.5	0.0	
100	PI2 BPSK	135	69		15.24		16.5	0.0	
100	PI2 BPSK	135	138		15.30		16.5	0.0	
100	PI2 BPSK	270	0		15.11		16.5	0.0	
100	QPSK	1	1		15.59				
100	QPSK	1	137		15.26				
100	QPSK	1	271		15.28		16.5	0.0	
100	QPSK	135	0		15.40		16.5	0.0	
100	QPSK	135	69		15.37		16.5	0.0	
100	QPSK	135	138		15.19		16.5	0.0	
100	QPSK	270	0		15.45		16.5	0.0	
100	16QAM	1	1		15.32				
100	64QAM	1	1		15.40				
100	256QAM	1	1		15.07		16.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3600.01	3605.02			
90	QPSK	1	1		15.32	15.27	15.36	16.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3600.01	3610.01			
80	QPSK	1	1		15.47	15.24	15.45	16.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.01	3600.01	3615.01			
70	QPSK	1	1		15.37	15.21	15.31	16.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3600.01	3620.02			
60	QPSK	1	1		15.37	15.47	15.40	16.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3600.01	3625			
50	QPSK	1	1		15.31	15.21	15.33	16.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3600.01	3630.01			
40	QPSK	1	1		15.45	15.20	15.45	16.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3600.01	3635.02			
30	QPSK	1	1		15.43	15.40	15.45	16.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3600.01	3640			
20	QPSK	1	1		15.45	15.33	15.26	16.5	0.0

Intra Band UL CA

Ant 5 Full Power

CA_7C								
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		
20850	21048	QPSK	1	99	1	0	22.88	24.00
21100	21298	QPSK	1	99	1	0	22.96	24.00
21350	21152	QPSK	1	0	1	99	22.83	24.00

Ant 5 Full Power

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	99	1	0	23.52	24.00
40620	40818	QPSK	1	99	1	0	23.45	24.00
41490	41292	QPSK	1	0	1	99	23.68	24.00

Ant 2 Full Power

CA_42C								
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		
42190	42388	QPSK	1	99	1	0	23.42	24.00
42590	42788	QPSK	1	99	1	0	23.37	24.00
42990	42792	QPSK	1	0	1	99	23.31	24.00



Ant5 Sensor on&Hotspot&Handheld

CA_7C								
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		
20850	21048	QPSK	1	99	1	0	18.89	20.00
21100	21298	QPSK	1	99	1	0	19.08	20.00
21350	21152	QPSK	1	0	1	99	18.87	20.00

Ant5 Sensor on&Hotspot&Handheld

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	99	1	0	21.91	23.00
40620	40818	QPSK	1	99	1	0	22.27	23.00
41490	41292	QPSK	1	0	1	99	22.05	23.00

Ant2 Sensor on&Handheld

CA_42C								
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		
42190	42388	QPSK	1	99	1	0	20.15	21.50
42590	42788	QPSK	1	99	1	0	20.13	21.50
42990	42792	QPSK	1	0	1	99	20.27	21.50

Ant2 Receiver on

CA_42C								
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		
42190	42388	QPSK	1	99	1	0	18.68	20.00
42590	42788	QPSK	1	99	1	0	18.85	20.00
42990	42792	QPSK	1	0	1	99	18.75	20.00

Ant2 Hotspot

CA_42C								
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		
42190	42388	QPSK	1	99	1	0	18.23	19.00
42590	42788	QPSK	1	99	1	0	18.18	19.00
42990	42792	QPSK	1	0	1	99	18.41	19.00

2CA DL

CA List	PCC								DL Antenna configuration	SCC				Power		
	LTE	BW	BW	UL	UL	Mod.	UL#	UL		LTE	BW	DL	DL	With CA	Without CA	
	Band	Ant	(MHz)	Freq	Channel		RB	RB Offset		Band	(MHz)	Freq	Channel	Tx. Power (dBm)	Tx. Power (dBm)	
				(MHz)								(MHz)				
CA_2C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	22.32	22.47
CA_2A-4A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.38	22.47
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.19	22.39
CA_2A-5A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.39	22.47
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	22.43	22.62
CA_4A-5A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.27	22.39
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	22.38	22.62
CA_4A-7A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.26	22.39
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.79	23.00
CA_5A-7A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	22.59	22.62
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.76	23.00
CA_5A-41A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	22.51	22.62
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		23.29	23.50
CA_7B	Band 7	Ant5	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544.3	3193	4x4MIMO	22.84	23.00
CA_7C	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.79	23.00
CA_7A-26A	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 26	15M	876.5	8865		22.88	23.00
	Band 26	Ant0	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	22.64	22.81
CA_7A-42A	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	22.81	23.00
	Band 42	Ant2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.66	22.83
CA_26A-41A	Band 26	Ant0	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	22.73	22.81
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 26	15M	876.5	8865		23.33	23.50
CA_38C	Band 38	Ant5	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 38	20M	2614.8	38198	4x4MIMO	23.16	23.34
CA_41A-42A	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	23.29	23.50
	Band 42	Ant2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	22.71	22.83
CA_66B	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	22.38	22.45
CA_66C	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	22.35	22.45

3CA DL

3CA List	PCC								DL Antenna configuration	SCC1				DL Antenna configuration	SCC2				Power		
	LTE	BW	BW	UL	UL	Mod.	UL#	UL		LTE	BW	DL	DL		LTE	BW	DL	DL	DL Antenna configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq.	Channel		RB	RB Offset		Band	(MHz)	Freq.	Channel		Band	(MHz)	Freq.	Channel		Tx. Power	Tx. Power
				(MHz)								(MHz)					(dBm)				
CA_2A_7C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	22.26	22.47
CA_2A_7A_7A	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.87	23
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	22.24	22.47
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.83	23
CA_4A_7C	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	22.26	22.39
CA_5A_7C	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.90	23
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	22.46	22.62
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	22.82	23
CA_5A_66A_66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.43	22.62
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	22.29	22.45
CA_7A_66A_66A	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.85	23
CA_41A_41A_41A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.29	22.45
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	Band 41	20M	2506	39750	4x4MIMO	23.31	23.5
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	23.36	23.5
CA_41C-42A	Band 42	Ant2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	22.63	22.83
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	23.29	23.5
CA_41A-42C	Band 42	Ant2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	22.65	22.83
	Band 42	Ant2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	Band 42	20M	3539.6	42986	4x4MIMO	22.59	22.83



4CA DL

Configure	PCC							DL Antenna configuration	SOC1				DL Antenna configuration	SOC2				DL Antenna configuration	SOC3				DL Antenna configuration	Power		
	LTE	BW	BW	UL	UL	Mod.	UL#		UL	LTE	BW	DL		DL	LTE	BW	DL		DL	LTE	BW	DL		DL	Tx Power (dBm)	Without CA Tx Power
	Band	Ant	(MHz)	Freq	Channel		RB		Offset	Band	(MHz)	Freq		Channel	Band	(MHz)	Freq		Channel	Band	(MHz)	Freq		Channel		
				(MHz)								(MHz)					(MHz)					(MHz)	(MHz)			
CA_41C-41C	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	20M	2612.8	40818	4x4MMMO	Band 41	20M	2593	40620	4x4MMMO	Band 41	20M	2612.8	40818	4x4MMMO	23.35	23.5
CA_41E	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	20M	2612.8	40818	4x4MMMO	Band 41	20M	2632.6	41016	4x4MMMO	Band 41	20M	2652.4	41214	4x4MMMO	23.28	23.5
CA_41A-41D	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	5M	2687.5	41565	4x4MMMO	Band 41	20M	2675.8	41448	4x4MMMO	Band 41	20M	2656	41250	4x4MMMO	23.41	23.5
CA_41A-41A-41C	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	5M	2687.5	41565	4x4MMMO	Band 41	20M	2510	39790	4x4MMMO	Band 41	20M	2529.8	39988	4x4MMMO	23.34	23.5
CA_41C-42C	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	20M	2612.8	40818	4x4MMMO	Band 42	20M	3500	42590	4x4MMMO	Band 42	20M	3519.8	42788	4x4MMMO	23.37	23.5
	Band 42	Ant2	20M	3500	42590	QPSK	1	0	4x4MMMO	Band 42	20M	3519.8	42788	4x4MMMO	Band 41	20M	2593	40620	4x4MMMO	Band 41	20M	2612.8	40818	4x4MMMO	22.71	22.83



WLAN/Bluetooth Power

	Ant 5 Full Power Head (Standalone) Body Worn (Simultaneous) Handheld (Simultaneous) Headset (Simultaneous)					Ant 6 Head (Simultaneous)		Ant 8 Headset (Simultaneous) Body Worn (Simultaneous)		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.65	19.50	15.84	17.50	15.32	17.00	98.31
		6	2437	17.59	19.50	15.74	17.50	15.25	17.00	
		11	2462	18.21	19.50	15.59	17.50	15.47	17.00	
	802.11g 6Mbps	1	2412	17.01	19.00		17.50		17.00	98.62
		6	2437	16.78	18.50		17.50		17.00	
		11	2462	15.10	17.00		17.00		17.00	
	802.11n-HT20 MCS0	1	2412	15.81	17.50	Not Required	17.50	Not Required	17.00	97.79
		6	2437	16.15	18.00		17.50		17.00	
		11	2462	15.05	17.00		17.00		17.00	
	802.11n-HT40 MCS0	3	2422	14.49	16.00	Not Required	16.00	Not Required	16.00	94.93
		6	2437	15.42	17.00		17.00		17.00	
		9	2452	14.28	16.00		16.00		15.00	

	Ant 5 Full Power Body Worn (Standalone) Headset (Simultaneous)					Ant 6 Head (Standalone)		Ant 8 Head (Simultaneous)		Ant 9 Headset		Ant 5 Body Worn (Simultaneous)		Ant 6 Headset (Simultaneous)		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	17.28	19.00	Not Required	19.00	Not Required	11.00	Not Required	12.00	Not Required	14.00	Not Required	15.50	97.93
		40	5200	16.98	18.50		15.00		11.00		12.00		14.00		15.50	
		44	5220	16.71	18.50		15.00		11.00		12.00		14.00		15.50	
		48	5240	16.40	18.00		15.00		11.00		12.00		14.00		15.50	
		52	5260	17.12	18.50		15.00		11.00		12.00		14.00		15.50	
		56	5280	16.89	18.00		15.00		11.00		12.00		14.00		15.50	
	802.11n-HT20 MCS0	44	5220	16.48	18.00	Not Required	18.00	Not Required	11.00	Not Required	12.00	Not Required	14.00	Not Required	15.50	98.52
		48	5240	16.21	18.00		15.00		11.00		12.00		14.00		15.50	
		52	5260	17.27	19.00		15.00		11.00		12.00		14.00		15.50	
		56	5280	16.77	18.50		15.00		11.00		12.00		14.00		15.50	
		60	5300	17.29	19.00		15.00		11.00		12.00		14.00		15.50	
		64	5320	16.73	18.50		15.00		11.00		12.00		14.00		15.50	
	802.11ac- VHT20 MCS0	44	5220	16.50	18.50	Not Required	18.50	Not Required	11.00	Not Required	12.00	Not Required	14.00	Not Required	15.50	97.43
		48	5240	16.12	18.00		15.00		11.00		12.00		14.00		15.50	
		52	5260	17.28	19.00		15.00		11.00		12.00		14.00		15.50	
		56	5280	16.75	18.50		15.00		11.00		12.00		14.00		15.50	
		60	5300	16.75	18.50		15.00		11.00		12.00		14.00		15.50	
		64	5320	16.19	17.00		13.38		9.43		10.54		12.50		14.00	
	802.11ac- VHT80 MCS0	42	5210	15.19	17.00	Not Required	17.00	Not Required	11.00	Not Required	12.00	Not Required	14.00	Not Required	15.50	92.75
		46	5230	16.75	18.50		15.00		11.00		12.00		14.00		15.50	
		50	5250	16.75	18.50		15.00		11.00		12.00		14.00		15.50	
		54	5270	16.56	18.50		15.00		11.00		12.00		14.00		15.50	
		58	5290	16.87	19.00		15.00		11.00		12.00		14.00		15.50	
		62	5310	13.87	15.50		14.50		10.00		11.50		13.50		15.50	

	Ant 5 Full Power Headset (Simultaneous)					Ant 6 Head (Standalone)		Ant 8 Head (Simultaneous)		Ant 9 Body Worn (Standalone)		Ant 5 Body Worn (Simultaneous)		Ant 6 Headset (Simultaneous)		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.3GHz WLAN	802.11a 6Mbps	52	5260	16.49	18.00	Not Required	14.50	Not Required	10.00	Not Required	17.50	Not Required	12.50	Not Required	15.50	97.93
		56	5280	16.58	18.50		14.50		10.00		17.50		12.50		15.50	
		60	5300	16.68	18.50		14.50		10.00		17.50		12.50		15.50	
		64	5320	16.80	18.50		14.50		10.00		17.50		12.50		15.50	
		68	5340	16.23	18.00		14.50		10.00		17.50		12.50		15.50	
		72	5360	16.28	18.00		14.50		10.00		17.50		12.50		15.50	
	802.11n-HT20 MCS0	56	5280	16.28	18.00	Not Required	14.50	Not Required	10.00	Not Required	17.50	Not Required	12.50	Not Required	15.50	98.52
		60	5300	16.44	18.00		14.50		10.00		17.50		12.50		15.50	
		64	5320	16.41	18.00		14.50		10.00		17.50		12.50		15.50	
		68	5340	16.51	18.50		14.50		10.00		17.50		12.50		15.50	
		72	5360	16.91	18.50		14.50		10.00		17.50		12.50		15.50	
		76	5380	16.15	18.00		14.50		10.00		17.50		12.50		15.50	
	802.11ac- VHT20 MCS0	56	5280	16.22	18.00	Not Required	14.50	Not Required	10.00	Not Required	17.50	Not Required	12.50	Not Required	15.50	97.43
		60	5300	16.43	18.00		14.50		10.00		17.50		12.50		15.50	
		64	5320	16.49	18.00		14.50		10.00		17.50		12.50		15.50	
		68	5340	16.56	18.50		14.50		10.00		17.50		12.50		15.50	
		72	5360	16.87	19.00		14.50		10.00		17.50		12.50		15.50	
		76	5380	13.87	15.50		14.50		10.00		11.50		13.50		15.50	
	802.11ac- VHT80 MCS0	54	5270	16.56	18.50	Not Required	18.50	Not Required	10.00	Not Required	17.50	Not Required	12.50	Not Required	15.50	92.75
		58	5290	16.87	19.00		15.00		10.00		17.50		12.50		15.50	
		62	5310	13.87	15.50		14.50		10.00		11.50		13.50		15.50	
		66	5330	16.75	18.50		15.00		10.00		17.50		12.50		15.50	
		70	5350	16.75	18.50		15.00		10.00		17.50		12.50		15.50	
		74	5370	16.19	17.00		13.38		9.43		10.54		12.50		14.00	

	Ant 5 Full Power Headset (Simultaneous)					Ant 6 Head (Standalone)		Ant 8 Head (Simultaneous)		Ant 9 Body Worn (Standalone)		Ant 5 Body Worn (Simultaneous)		Ant 6 Handheld (Simultaneous)		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.19	19.00	13.50	10.00	17.00	13.00	14.00	97.93					
		116	5580	16.25	18.00	13.50	10.00	17.00	13.00	14.00						
		124	5620	16.20	18.00	13.50	10.00	17.00	13.00	14.00						
		132	5660	16.68	18.50	13.50	10.00	17.00	13.00	14.00						
		140	5700	17.10	19.00	13.50	10.00	17.00	13.00	14.00						
	802.11a-H20 MCS9	144	5720	17.61	19.50	13.50	10.00	17.00	13.00	14.00	98.52					
		150	5800	16.87	18.50	13.50	10.00	17.00	13.00	14.00						
		116	5580	15.90	17.50	13.50	10.00	17.00	13.00	14.00						
		124	5620	15.67	17.50	13.50	10.00	17.00	13.00	14.00						
		132	5660	16.15	18.00	13.50	10.00	17.00	13.00	14.00						
	802.11n-H24 MCS9	140	5700	16.64	18.50	13.50	10.00	17.00	13.00	14.00	98.32					
		144	5720	16.68	18.50	13.50	10.00	17.00	13.00	14.00						
		100	5500	17.25	19.00	13.50	10.00	17.00	13.00	14.00						
		116	5580	16.73	18.50	13.50	10.00	17.00	13.00	14.00						
		126	5630	16.27	18.00	13.50	10.00	17.00	13.00	14.00						
	802.11ac-VHT20 MCS9	136	5610	16.61	18.50	13.50	10.00	17.00	13.00	14.00	97.43					
		142	5710	17.03	19.00	13.50	10.00	17.00	13.00	14.00						
		100	5500	16.90	18.50	13.50	10.00	17.00	13.00	14.00						
		116	5580	15.86	17.50	13.50	10.00	17.00	13.00	14.00						
		124	5620	15.78	17.50	13.50	10.00	17.00	13.00	14.00						
	802.11ac-VHT40 MCS9	132	5660	16.22	18.00	13.50	10.00	17.00	13.00	14.00	96.35					
		140	5700	16.67	18.50	13.50	10.00	17.00	13.00	14.00						
		144	5720	16.68	18.50	13.50	10.00	17.00	13.00	14.00						
		102	5510	16.18	18.00	13.50	10.00	17.00	13.00	14.00						
110		5550	16.67	18.50	13.50	10.00	17.00	13.00	14.00							
802.11ac-WTR0 MCS9	126	5630	16.31	18.00	13.50	10.00	17.00	13.00	14.00	92.75						
	134	5670	15.64	17.50	13.50	10.00	17.00	13.00	14.00							
	142	5710	17.05	19.00	13.50	10.00	17.00	13.00	14.00							
	106	5610	12.35	14.00	11.51	7.79	13.35	11.00	11.06		14.00					
	122	5610	14.00	15.50	11.23	13.50	7.14	10.00	15.50		10.72	13.00	11.66	14.00		
802.11ac-WTR0 MCS9	138	5690	15.09	17.00	12.08	13.50	8.17	10.00	15.00	17.00	11.62	13.00	12.63	14.00		