

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 level/Default Power level/ Pmax Power Level for WWAN

Band 2_Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 1800	Power Middle Ch / Freq. 1850	Power High Ch / Freq. 1900	Turnup (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.15	22.27	22.37			
20	QPSK	1	49	22.80	22.78	22.69			24
20	QPSK	1	99	22.72	22.67	22.68			
20	QPSK	50	0	22.21	22.16	22.17			
20	QPSK	50	24	22.12	22.12	21.95			23
20	QPSK	50	50	22.04	22.03	21.92			
20	QPSK	100	0	22.15	22.15	22.06			
20	16QAM	1	0	22.24	22.25	22.25			
20	16QAM	1	49	22.40	22.33	22.31			23
20	16QAM	1	99	22.20	22.20	22.30			
20	16QAM	50	0	21.24	21.13	21.02			
20	16QAM	50	24	21.13	21.14	21.06			22
20	16QAM	50	50	21.05	21.01	21.01			
20	16QAM	100	0	21.07	21.11	21.07			
20	64QAM	1	0	21.31	21.23	21.06			22
20	64QAM	1	49	21.16	21.16	21.16			
20	64QAM	1	99	21.09	21.09	21.02			
20	64QAM	50	0	20.26	20.17	20.06			
20	64QAM	50	24	20.15	20.13	20.06			21
20	64QAM	50	50	20.03	20.06	20.04			
20	256QAM	1	0	18.06	17.61	17.41			
20	256QAM	1	49	17.68	17.53	17.64			19
20	256QAM	1	99	17.69	17.46	17.53			
20	256QAM	50	0	17.84	17.74	17.69			
20	256QAM	50	24	17.80	17.70	17.71			
20	256QAM	50	50	17.70	17.69	17.72			19
20	256QAM	100	0	17.78	17.74	17.81			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.65	22.81	22.73			
15	QPSK	1	37	22.84	22.78	22.69			24
15	QPSK	1	74	22.78	22.73	22.69			
15	QPSK	36	0	22.25	22.15	22.06			
15	QPSK	36	20	22.19	22.12	22.05			23
15	QPSK	36	39	22.05	22.07	22.03			
15	QPSK	75	0	22.08	22.07	22.03			
15	16QAM	1	0	22.55	22.34	22.20			23
15	16QAM	1	37	22.36	22.28	22.24			
15	16QAM	1	74	22.25	22.23	22.20			
15	16QAM	36	0	21.25	21.13	20.94			
15	16QAM	36	20	21.21	21.08	21.01			22
15	16QAM	36	39	21.05	21.05	20.97			
15	16QAM	75	0	21.13	21.09	20.98			
15	64QAM	1	0	21.40	21.22	21.10			22
15	64QAM	1	37	21.40	21.20	21.05			
15	64QAM	1	74	21.21	21.17	21.07			
15	64QAM	36	0	20.28	20.15	19.96			
15	64QAM	36	20	20.20	20.15	20.07			21
15	64QAM	36	39	20.15	20.08	20.04			
15	64QAM	75	0	20.15	20.08	19.99			
15	256QAM	1	0	17.75	17.69	17.63			
15	256QAM	1	37	17.76	17.71	17.69			19
15	256QAM	1	74	17.62	17.73	17.58			
15	256QAM	36	0	17.64	17.61	17.70			
15	256QAM	36	20	17.68	17.67	17.62			19
15	256QAM	36	39	18.02	17.61	17.69			
15	256QAM	75	0	17.99	17.68	17.67			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.10	22.97	22.99			
10	QPSK	1	26	22.99	22.87	22.84			24
10	QPSK	1	49	22.96	22.81	22.76			
10	QPSK	25	0	22.39	22.31	22.29			
10	QPSK	25	12	22.36	22.24	22.20			23
10	QPSK	25	25	22.28	22.14	22.14			
10	QPSK	50	0	22.32	22.22	22.03			
10	16QAM	1	0	22.60	22.54	22.36			23
10	16QAM	1	25	22.58	22.43	22.36			
10	16QAM	1	49	22.46	22.37	22.44			
10	16QAM	25	0	21.38	21.31	21.13			22
10	16QAM	25	12	21.38	21.24	21.12			
10	16QAM	25	25	21.26	21.15	21.12			
10	16QAM	50	0	21.33	21.24	21.05			
10	64QAM	1	0	21.38	21.46	21.28			22
10	64QAM	1	25	21.40	21.33	21.25			
10	64QAM	1	49	21.44	21.33	21.21			
10	64QAM	25	0	20.42	20.35	20.16			21
10	64QAM	25	12	20.37	20.25	20.12			
10	64QAM	25	25	20.30	20.15	20.04			
10	256QAM	1	0	17.62	17.64	17.55			
10	256QAM	1	25	17.89	17.78	17.76			19
10	256QAM	1	49	17.84	17.67	17.67			
10	256QAM	25	0	18.08	17.53	17.60			
10	256QAM	25	12	17.53	17.61	18.06			19
10	256QAM	25	25	17.70	17.54	17.64			
10	256QAM	50	0	17.72	17.55	17.55			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.11	22.96	22.79			
5	QPSK	1	12	23.04	22.88	22.87			24
5	QPSK	1	24	22.97	22.84	22.79			
5	QPSK	12	0	22.39	22.31	22.16			
5	QPSK	12	7	22.35	22.19	22.02			23
5	QPSK	12	15	22.26	22.15	22.08			
5	QPSK	25	0	22.33	22.17	22.13			
5	16QAM	1	0	22.69	22.53	22.38			23
5	16QAM	1	12	22.67	22.43	22.36			
5	16QAM	1	24	22.64	22.41	22.38			
5	16QAM	12	0	21.42	21.28	21.18			22
5	16QAM	12	7	21.38	21.19	21.14			
5	16QAM	12	15	21.28	21.15	21.06			
5	16QAM	25	0	21.34	21.20	21.09			
5	64QAM	1	0	21.57	21.43	21.13			22
5	64QAM	1	12	21.50	21.31	20.34			
5	64QAM	1	24	21.43	21.29	21.28			
5	64QAM	12	0	20.42	20.27	20.14			21
5	64QAM	12	7	20.38	20.27	19.90			
5	64QAM	12	15	20.27	20.16	19.98			
5	64QAM	25	0	20.35	20.20	19.91			
5	256QAM	1	0	18.08	17.84	17.70			19
5	256QAM	1	12	17.86	18.08	17.53			
5	256QAM	1	24	17.82	17.61	17.61			
5	256QAM	12	0	17.62	17.61	17.61			
5	256QAM	12	7	17.66	17.77	17.54			19
5	256QAM	12	15	17.75	17.56	17.69			
5	256QAM	25	0	17.71	17.60	18.10			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.10	22.91	22.86			
3	QPSK	1	8	23.14	22.99	22.85			24
3	QPSK	1	16	22.97	22.84	22.79			
3	QPSK	8	0	22.42	22.24	22.13			
3	QPSK	8	4	22.37	22.22	22.13			23
3	QPSK	8	7	22.37	22.16	22.08			
3	QPSK	15	0	22.31	22.15	22.07			
3	16QAM	1	0	22.70	22.55	22.45			23
3	16QAM	1	8	22.75	22.49	22.39			
3	16QAM	1	14	22.46	22.35	22.31			
3	16QAM	8	0	21.41	21.29	21.20			22
3	16QAM	8	4	21.44	21.29	21.15			
3	16QAM	8	7	21.28	21.19	21.09			
3	64QAM	1	0	21.34	21.24	21.09			22
3	64QAM	1	8	21.54	21.34	21.10			
3	64QAM	1	14	21.36	21.28	21.15			
3	64QAM	8	0	20.36	20.33	20.17			21
3	64QAM	8	4	20.47	20.28	20.18			
3	64QAM	8	7	20.26	20.23	20.16			
3	64QAM	15	0	20.36	20.20	19.91			
3	256QAM	1	0	17.63	18.02	17.86			19
3	256QAM	1	8	17.63	18.02	17.74			
3	256QAM	1	14	17.63	17.63	17.66			
3	256QAM	8	0	17.63	17.62	17.74			
3	256QAM	8	4	17.63	17.63	18.05			19
3	256QAM	8	7	17.61	17.66	17.69			
3	256QAM	15	0	17.62	17.68	17.57			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.02	22.85	22.79			
1.4	QPSK	1	3	22.99	22.94	22.79			24
1.4	QPSK	1	5	22.97	22.92	22.79			
1.4	QPSK	3	0	23.08	22.95	22.75			
1.4	QPSK	3	3	23.00	22.84	22.74			23
1.4	QPSK	6	0	22.27	22.12	22.00			
1.4	16QAM	1	0	22.55	22.43	22.23			
1.4	16QAM	1	3	22.63	22.50	22.38			23
1.4	16QAM	1	5	22.54	22.33	22.26			
1.4	16QAM	3	0	22.27	22.20	22.07			
1.4	16QAM	3	3	22.36	22.25	22.09			22
1.4	16QAM	6	0	22.29	22.04	22.03			
1.4	16QAM	6	3	22.18	21.18	21.14			
1.4	64QAM	1	0	21.21	21.34	21.14			22
1.4	64QAM	1	3	21.28	21.28	21.14			
1.4	64QAM	1	5	21.48	21.28	21.09			
1.4	64QAM	3	0	21.40	21.28	21.09			21
1.4	64QAM	3	3	21.30	21.28	21.09			
1.4	64QAM	6	0	20.30	20.09	20.01			
1.4	64QAM	6	3	20.31	20.09	20.01			
1.4	256QAM	1	0	17.60	18.02	17.89			19
1.4	256QAM	1	3	17.62	17.59	17.64			
1.4	256QAM	1	5	17.61	18.06	17.68			

Band 12_Ant 2											
SW (MHz)	Modulation	FSR (kHz)	FE Offset (kHz)	Power (dBm) Ch 1 / Ch 2 / Ch 3	Power (dBm) Ch 1 / Ch 2 / Ch 3	Power (dBm) Ch 1 / Ch 2 / Ch 3	Power (dBm) Ch 1 / Ch 2 / Ch 3	Turn-on time (dBm)	MFR (dB)		
Chemical											
10	QPSK	1	0	22.94	23.11	23.90					
10	QPSK	1	25	22.91	22.97	22.83		24	0		
10	QPSK	1	25	22.91	22.97	22.83					
10	QPSK	25	0	22.25	22.31	22.17					
10	QPSK	25	12	22.20	22.24	22.15		23	1		
10	QPSK	25	12	22.20	22.24	22.15					
10	QPSK	50	0	22.23	22.26	22.20					
10	QPSK	50	0	22.45	22.49	22.43		23	1		
10	QPSK	1	49	22.52	22.42	22.38					
10	QPSK	25	0	21.24	21.25	21.21					
10	QPSK	25	12	21.22	21.24	21.22		22	2		
10	QPSK	25	25	21.33	21.31	21.24					
10	QPSK	50	0	21.32	21.24	21.20					
10	QPSK	25	12	21.46	21.45	21.42					
10	QPSK	1	25	21.29	21.34	21.35		22	2		
10	QPSK	1	49	21.54	21.38	21.35					
10	QPSK	25	0	20.35	20.35	20.35					
10	QPSK	25	12	20.37	20.29	20.34		21	3		
10	QPSK	25	25	20.37	20.32	20.31					
10	QPSK	50	0	20.25	20.25	20.25					
10	25QPSK	1	0	18.30	18.13	18.13					
10	25QPSK	1	25	18.23	18.17	18.03					
10	25QPSK	1	49	18.05	18.05	17.98					
10	25QPSK	25	0	18.11	18.17	18.04					
10	25QPSK	25	12	18.15	18.08	18.02					
10	25QPSK	25	25	18.08	18.08	17.93		19	5		
10	25QPSK	50	0	18.13	17.98	17.98					
Frequency (MHz)											
5	QPSK	1	0	22.98	23.08	22.87					
5	QPSK	1	12	23.00	23.00	22.87		24	0		
5	QPSK	1	12	23.04	23.04	22.87					
5	QPSK	12	0	22.22	22.18	22.16					
5	QPSK	12	7	22.33	22.21	22.18					
5	QPSK	12	7	22.27	22.15	22.15		23	1		
5	QPSK	25	0	22.31	22.30	22.14					
5	QPSK	1	0	22.45	22.44	22.43					
5	QPSK	1	25	22.45	22.44	22.43					
5	QPSK	1	24	22.50	22.44	22.44					
5	QPSK	12	0	21.25	21.20	21.20					
5	QPSK	12	0	21.25	21.20	21.20		22	2		
5	QPSK	12	19	21.26	21.27	21.16					
5	QPSK	25	0	21.29	21.22	21.15					
5	QPSK	25	0	21.29	21.22	21.15		22	2		
5	QPSK	1	12	21.35	21.33	21.15					
5	QPSK	1	24	21.45	21.38	21.27					
5	QPSK	1	24	21.45	21.38	21.27					
5	QPSK	12	7	20.34	20.26	20.24		21	3		
5	QPSK	12	19	20.30	20.32	20.19					
5	QPSK	25	0	20.22	20.20	20.18					
5	25QPSK	1	0	18.05	17.90	18.04					
5	25QPSK	1	12	17.97	18.08	18.11		19	5		
5	25QPSK	1	49	17.83	17.87	17.80					
5	25QPSK	12	0	18.20	18.02	17.96					
5	25QPSK	12	7	18.09	18.00	18.05					
5	25QPSK	12	19	18.19	18.16	18.04					
5	25QPSK	25	0	18.06	18.16	18.06					
Frequency (MHz)											
3	QPSK	1	0	23.03	22.97	22.87					
3	QPSK	1	8	23.05	23.02	22.84		24	0		
3	QPSK	1	10	23.07	23.04	22.86					
3	QPSK	8	0	22.52	22.51	22.11					
3	QPSK	8	4	22.51	22.19	22.15		23	1		
3	QPSK	8	4	22.53	22.17	22.15					
3	QPSK	16	0	22.29	22.16	22.18					
3	QPSK	1	0	22.45	22.42	22.33		23	1		
3	QPSK	1	16	22.47	22.37	22.33					
3	QPSK	1	14	22.56	22.53	22.37					
3	QPSK	8	0	21.42	21.18	21.16					
3	QPSK	8	7	21.27	21.21	21.14		22	2		
3	QPSK	8	7	21.33	21.27	21.14					
3	QPSK	15	0	21.28	21.18	21.19					
3	QPSK	15	0	21.31	21.25	21.18					
3	QPSK	1	8	21.45	21.51	21.28		22	2		
3	QPSK	1	14	21.35	21.31	21.20					
3	QPSK	1	14	21.30	21.31	21.20					
3	QPSK	8	4	20.40	20.23	20.23		21	3		
3	QPSK	8	7	20.32	20.28	20.11					
3	25QPSK	1	0	18.21	18.05	18.05					
3	25QPSK	1	8	17.99	18.05	17.81					
3	25QPSK	1	8	17.80	18.17	17.88					
3	25QPSK	1	16	18.02	18.18	18.18					
3	25QPSK	8	0	18.04	18.11	18.11		19	5		
3	25QPSK	8	4	17.88	17.97	18.17					
3	25QPSK	8	4	17.96	18.16	18.02					
3	25QPSK	16	0	17.96	18.18	18.02		19	5		
Frequency (MHz)											
1.4	QPSK	1	0	22.93	22.86	22.75					
1.4	QPSK	1	8	22.94	22.90	22.77		24	0		
1.4	QPSK	1	8	22.97	22.81	22.94					
1.4	QPSK	1	20	22.91	22.81	22.81					
1.4	QPSK	3	0	22.29	22.83	22.81					
1.4	QPSK	3	0	22.87	22.72	22.72					
1.4	QPSK	6	0	22.25	22.19	22.20		23	1		
1.4	QPSK	1	0	22.46	22.46	22.30					
1.4	QPSK	1	8	22.41	22.45	22.19		23	1		
1.4	QPSK	3	0	22.31	22.21	22.20					
1.4	QPSK	3	0	22.15	22.10	22.09		22	2		
1.4	QPSK	3	0	21.32	21.20	21.09					
1.4	QPSK	3	0	21.35	21.28	21.28					
1.4	QPSK	1	21	21.45	21.38	21.33					
1.4	QPSK	1	5	21.34	21.29	21.15		22	2		
1.4	QPSK	1	21	21.27	21.31	21.11					
1.4	QPSK	3	0	21.35	21.36	21.21					
1.4	QPSK	1	3	21.32	21.28	21.12		21	3		
1.4	QPSK	1	3	21.35	21.38	21.08					
1.4	QPSK	1	0	18.05	18.06	17.84					
1.4	25QPSK	1	3	18.16	18.10	18.00					
1.4	25QPSK	1	0	17.80	17.87	17.82					
1.4	25QPSK	3	0	17.86	18.02	18.02		18	14		
1.4	25QPSK	1	1	17.91	17.89	17.84					
1.4	25QPSK	1	0	17.85	18.00	17.80					
1.4	25QPSK	6	0	18.01	17.95	18.00		19	5		

Band 13_Ant 2									
BW [MHz]	Modulation	RB [kHz]	RE [OFDM]	Power [dBm] Ch./Tx/Freq.	Power [dBm] Ch./Tx/Freq.	Power [dBm] Ch./Tx/Freq.	Turn-up time [s]	MFR [dB]	
Channel									
Frequency [MHz]									
10	QPSK	1	0			22.00			
10	QPSK	1	25	22.25		22.25		24	0
10	QPSK	1	50	22.50		22.50			
10	QPSK	25	0			21.91			
10	QPSK	25	12	21.76		21.76		23	1
10	QPSK	25	25	21.61		21.61			
10	16QAM	1	0			21.82			
10	16QAM	1	25	22.04		22.04		23	1
10	16QAM	1	49	22.26		22.26			
10	16QAM	25	0	20.70		20.70			
10	16QAM	25	12	20.80		20.80		22	2
10	16QAM	25	25	20.90		20.90			
10	16QAM	50	0	20.76		20.76			
10	16QAM	50	25	20.86		20.86		22	2
10	16QAM	1	25	20.97		20.97			
10	64QAM	1	49	21.05		21.05			
10	64QAM	25	0	20.82		20.82		22	2
10	64QAM	25	12	20.93		20.93			
10	64QAM	25	25	21.06		21.06		21	3
10	64QAM	50	0	20.82		20.82			
10	256QAM	1	0	17.63		17.63			
10	256QAM	1	25	17.59		17.59		19	5
10	256QAM	1	50	17.77		17.77			
10	256QAM	25	0	17.42		17.42			
10	256QAM	25	12	17.75		17.75		19	5
10	256QAM	25	25	17.85		17.85			
10	256QAM	50	0	17.80		17.80			
Channel									
Frequency [MHz]									
5	QPSK	1	0	22.65	22.68	22.68			
5	QPSK	1	12	22.62	22.71	22.83		24	0
5	QPSK	1	25	22.70	22.72	22.83			
5	QPSK	12	0	21.50	21.68	21.73			
5	QPSK	12	7	21.72	21.81	21.85			
5	QPSK	12	14	21.86	21.76	21.88			
5	QPSK	12	21	21.67	21.75	21.67			
5	16QAM	1	0	21.83	21.93	22.01			
5	16QAM	1	12	21.91	22.08	22.19			
5	16QAM	1	25	21.99	22.08	22.17		23	1
5	16QAM	12	0	20.63	20.72	20.76			
5	16QAM	12	7	20.75	20.64	20.59			
5	16QAM	12	14	20.79	20.80	20.80			
5	16QAM	12	21	20.80	20.68	20.79			
5	256QAM	1	0	19.74	19.87	19.94		19	5
5	256QAM	1	12	20.77	20.87	20.94		22	2
5	256QAM	1	24	20.94	20.97	21.01			
5	256QAM	12	0	19.66	19.73	19.78			
5	256QAM	12	7	19.80	19.86	19.90			
5	256QAM	12	14	19.76	19.82	19.90		21	3
5	256QAM	12	21	19.71	19.74	19.80			
5	256QAM	25	0	17.63	17.42	17.77			
5	256QAM	1	12	17.59	17.51	17.64		19	5
5	256QAM	1	25	17.77	17.80	17.78			
5	256QAM	12	12	17.42	17.51	17.41		19	5
5	256QAM	12	7	17.75	17.63	17.45		19	5
5	256QAM	12	14	17.69	17.76	17.71			
5	256QAM	12	21	17.64	17.65	17.40			

Band 14_Ant 2									
RF Power	Modulation	FEB Size	FEB Offset	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Turn-on time [dBm]	MFR [dB]
Chemical				23305	23305	23305	23305		
10	QPSK	1	0	22.08	22.08				
10	QPSK	1	25	22.80	22.80			24	0
10	QPSK	25	0	23.00	23.00				
10	QPSK	25	0	22.80	22.80				
10	QPSK	25	12	22.17	22.17			23	1
10	QPSK	25	12	22.08	22.08				
10	QPSK	50	0	22.12	22.12				
10	QPSK	1	0	22.33	22.33				
10	QPSK	1	25	22.28	22.28			23	1
10	QPSK	1	48	22.50	22.50				
10	QPSK	25	0	21.14	21.14				
10	QPSK	25	0	21.00	21.00				
10	QPSK	25	25	21.21	21.21			22	2
10	QPSK	50	0	21.13	21.13				
10	QPSK	1	26	21.40	21.40			22	2
10	QPSK	1	49	21.24	21.24				
10	QPSK	25	12	20.93	20.93				
10	QPSK	25	12	20.23	20.23			21	3
10	QPSK	25	25	20.22	20.22				
10	QPSK	50	0	20.10	20.10				
10	256QAM	1	0	17.86	17.86				
10	256QAM	1	25	17.78	17.78			19	5
10	256QAM	1	0	17.77	17.77				
10	256QAM	1	26	17.68	17.68				
10	256QAM	25	12	17.77	17.77			19	5
10	256QAM	25	12	17.42	17.42				
10	256QAM	50	0	17.80	17.80				
Chemical				23305	23305	23305	23305		
Frequency [MHz]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Turn-on time [dBm]	MFR [dB]
5	QPSK	1	0	22.89	22.90	22.94			
5	QPSK	1	12	22.89	22.89	22.96		24	0
5	QPSK	1	24	22.89	22.89	22.96			
5	QPSK	12	0	22.06	22.11	22.12			
5	QPSK	12	12	22.14	22.10	22.13		23	1
5	QPSK	12	12	22.06	22.10	22.12			
5	QPSK	12	12	22.14	22.08	22.10			
5	QPSK	1	0	22.34	22.42	22.48			
5	QPSK	1	12	22.28	22.48	22.48		23	1
5	QPSK	1	24	22.41	22.44	22.42			
5	QPSK	12	0	21.12	21.16	21.16			
5	QPSK	12	12	21.18	21.19	21.19		22	2
5	QPSK	1	21	21.09	21.09	21.07			
5	QPSK	25	0	21.14	21.09	21.12			
5	QPSK	1	0	20.57	20.59	21.27			
5	QPSK	1	12	21.24	21.19	21.19		22	2
5	QPSK	1	24	21.23	21.25	21.30			
5	QPSK	12	0	20.12	20.14	20.29			
5	QPSK	12	12	20.22	20.13	20.13			
5	QPSK	12	12	20.08	20.17	20.21		21	3
5	QPSK	1	0	20.17	20.11	20.24			
5	QPSK	1	12	17.41	17.48	17.50			
5	256QAM	1	12	17.57	17.48	17.60		19	5
5	256QAM	1	24	17.58	17.48	17.74			
5	256QAM	12	0	17.78	17.78	17.48			
5	256QAM	12	12	17.75	17.71	17.64		19	5
5	256QAM	12	12	17.60	17.62	17.62			
5	256QAM	50	0	17.76	17.76	17.76			



Band 17_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mids Ch / Freq	Power High Ch / Freq	Turn-up time (dB)	MPR (dB)		
Channel										
				700	710	711				
10	QPSK	1	0	22.93	22.13	22.95	24	0		
10	QPSK	1	25	22.82	22.86	22.88				
10	QPSK	1	49	22.80	22.80	22.78				
10	QPSK	25	0	22.19	22.20	22.19				
10	QPSK	25	12	22.12	22.27	22.15				
10	QPSK	25	25	22.14	22.17	22.12	23	1		
10	QPSK	50	0	22.18	22.18	22.18				
10	HQAM	1	0	22.44	22.38	22.51				
10	HQAM	1	25	22.38	22.37	22.46				
10	HQAM	1	49	22.44	22.38	22.38				
10	HQAM	25	0	21.20	21.21	21.19	22	2		
10	HQAM	25	12	21.24	21.34	21.21				
10	HQAM	25	25	21.19	21.02	21.11				
10	HQAM	50	0	21.15	21.23	21.17				
10	HQAM	1	0	21.39	21.22	21.33				
10	HQAM	1	25	21.43	21.11	21.22	22	2		
10	HQAM	1	49	21.29	21.30	21.21				
10	HQAM	25	0	20.27	20.25	20.24				
10	HQAM	25	12	20.29	20.33	20.27				
10	HQAM	25	25	20.24	20.20	20.26				
10	HQAM	50	0	20.27	20.22	20.19	21	3		
10	HQAM	1	0	17.07	17.77	17.66				
10	25GQAM	1	25	17.43	17.74	17.48				
10	25GQAM	1	49	17.77	17.53	17.79				
10	25GQAM	25	0	17.55	17.83	17.63				
10	25GQAM	25	12	17.85	17.58	17.68	19	5		
10	25GQAM	25	25	17.77	17.86	17.48				
10	25GQAM	50	0	17.65	17.44	17.72				
Channel										
				23755	23795	23825	Turn-up time (dB)	MPR (dB)		
5	QPSK	1	0	23.07	23.08	23.08	24	0		
5	QPSK	1	12	22.92	22.89	22.83				
5	QPSK	1	24	22.89	22.79	22.76				
5	QPSK	13	0	22.33	22.28	22.21				
5	QPSK	12	7	22.29	22.32	22.14				
5	QPSK	12	13	22.22	22.12	22.06	23	1		
5	QPSK	25	0	22.27	22.21	22.10				
5	HQAM	1	0	22.89	22.55	22.39				
5	HQAM	1	12	22.45	22.46	22.24				
5	HQAM	1	24	22.44	22.38	22.30				
5	HQAM	12	0	21.37	21.28	21.23	22	2		
5	HQAM	12	7	21.32	21.27	21.16				
5	HQAM	12	13	21.24	21.21	21.10				
5	HQAM	25	0	21.27	21.23	21.18				
5	HQAM	1	0	21.50	21.43	21.35				
5	HQAM	1	12	21.30	21.26	21.22	22	2		
5	HQAM	1	24	21.38	21.26	21.17				
5	HQAM	12	0	20.39	20.30	20.22				
5	HQAM	12	7	20.36	20.28	20.24				
5	HQAM	12	13	20.26	20.17	20.09				
5	HQAM	25	0	20.36	20.28	20.17	21	3		
5	25GQAM	1	0	17.55	17.80	17.72				
5	25GQAM	1	12	17.56	17.41	17.49				
5	25GQAM	1	24	17.43	17.53	17.79				
5	25GQAM	12	0	17.67	17.56	17.41				
5	25GQAM	12	7	17.65	17.51	17.68	19	5		
5	25GQAM	12	13	17.58	17.66	17.74				
5	25GQAM	25	0	17.61	17.69	17.42				

Band 25_Ant 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mids Ch / Freq	Power High Ch / Freq	Turn-up time (dB)	MPR (dB)				
Channel												
				26140	26165	26190						
20	QPSK	1	0	22.87	22.71	22.84	24	0				
20	QPSK	1	49	22.80	22.76	22.71						
20	QPSK	1	99	22.75	22.65	22.81						
20	QPSK	50	0	22.25	22.21	22.20						
20	QPSK	50	25	22.25	22.28	22.18						
20	QPSK	50	50	22.17	22.11	22.02	23	1				
20	QPSK	100	0	22.17	22.19	22.10						
20	HQAM	1	0	22.50	22.33	22.47						
20	HQAM	1	49	22.30	22.19	22.34						
20	HQAM	1	99	22.25	22.15	22.21						
20	HQAM	50	0	21.24	21.07	21.14	22	2				
20	HQAM	50	24	21.22	21.11	21.21						
20	HQAM	50	50	21.19	21.19	21.18						
20	HQAM	100	0	21.20	21.15	21.18						
20	HQAM	1	0	21.29	21.15	21.29						
20	HQAM	1	49	21.26	21.22	21.32	22	2				
20	HQAM	1	99	21.16	21.13	20.38						
20	HQAM	50	0	20.26	20.10	20.19						
20	HQAM	50	24	20.22	20.12	20.10						
20	HQAM	100	0	20.21	20.15	20.15						
20	HQAM	1	0	17.47	17.48	17.72	19	5				
20	25GQAM	1	49	17.62	17.74	17.41						
20	25GQAM	1	99	17.42	17.73	17.71						
20	25GQAM	25	0	17.41	17.79	17.76						
20	25GQAM	25	12	17.50	17.49	17.77						
20	25GQAM	25	50	17.77	17.57	17.75	19	5				
Channel												
				26115	26140	26165			Turn-up time (dB)	MPR (dB)		
				18674	18695	18674						
15	QPSK	1	0	22.88	22.76	22.80	24	0				
15	QPSK	1	37	22.75	22.72	22.77						
15	QPSK	1	74	22.75	22.64	22.81						
15	QPSK	25	0	22.13	22.05	22.05						
15	QPSK	25	12	22.14	22.02	22.27						
15	QPSK	36	39	22.09	22.07	22.18	23	1				
15	QPSK	36	78	22.05	22.00	22.18						
15	HQAM	1	0	22.43	22.29	22.32						
15	HQAM	1	37	22.23	22.25	22.32						
15	HQAM	1	74	22.21	22.25	22.31						
15	HQAM	25	0	21.15	21.04	21.10	22	2				
15	HQAM	25	12	21.16	21.03	21.21						
15	HQAM	25	25	21.11	21.06	21.08						
15	HQAM	75	0	21.17	21.08	21.11						
15	HQAM	1	0	21.36	21.13	21.18						
15	HQAM	1	37	21.26	21.17	21.08	22	2				
15	HQAM	1	74	21.20	21.11	20.49						
15	HQAM	25	0	20.21	20.10	20.18						
15	HQAM	25	12	20.15	20.09	20.09						
15	HQAM	25	25	20.14	20.11	20.02						
15	HQAM	75	0	20.10	20.10	20.12	21	3				
15	HQAM	1	0	17.46	17.44	17.50						
15	25GQAM	1	37	17.76	17.64	17.50						

15	25GQAM	1	74	17.48	17.79	17.76						
15	25GQAM	25	0	17.47	17.79	17.78						
15	25GQAM	25	12	17.59	17.51	17.78						
15	25GQAM	25	25	17.69	17.41	17.75						
15	25GQAM	75	0	17.41	17.74	17.74						
Channel												
				26060	26084	26060	Turn-up time (dB)	MPR (dB)				
				18674	18695	18674						
10	QPSK	1	0	23.04	22.97	23.07	24	0				
10	QPSK	1	25	22.99	22.92	23.05						
10	QPSK	1	49	22.94	22.82	23.07						
10	QPSK	25	0	22.24	22.21	22.23						
10	QPSK	25	12	22.24	22.21	22.23						
10	QPSK	25	25	22.20	22.22	22.23	23	1				
10	QPSK	25	50	22.13	22.03	22.23						
10	HQAM	1	0	22.54	22.46	22.60						
10	HQAM	1	25	22.51	22.48	22.59						
10	HQAM	1	49	22.46	22.40	22.54						
10	HQAM	25	0	21.16	21.18	21.13	22	2				
10	HQAM	25	12	21.14	21.09	21.10						
10	HQAM	25	25	21.29	21.17	21.30						
10	HQAM	50	0	21.31	21.25	21.30						
10	HQAM	100	0	21.28	21.28	21.28						
10	HQAM	1	0	21.41	21.31	20.35	22	2				
10	HQAM	1	49	21.43	21.37	20.65						
10	HQAM	1	99	21.33	21.25	20.66						
10	HQAM	25	0	20.36	20.22	20.35						
10	HQAM	25	12	20.29	20.25	19.84						
10	25GQAM	1	0	17.71	17.41	17.66	19	5				
10	25GQAM	1	25	17.70	17.68	17.77						
10	25GQAM	1	49	17.68	17.71	17.66						
10	25GQAM	25	0	17.48	17.71	17.66						
10	25GQAM	25	12	17.72	17.64	17.81						
10	25GQAM	25	25	17.78	17.77	17.81	19	5				
10	25GQAM	25	50	17.63	17.75	17.78						
10	25GQAM	50	0	17.48	17.55	17.78						
Channel												
				18625	18650	18625	Turn-up time (dB)	MPR (dB)				
5	QPSK	1	0	23.09	22.99	23.05	24	0				
5	QPSK	1	12	23.04	22.95	23.09						
5	QPSK	1	24	22.99	22.90	23.04						
5	QPSK	12	7	22.31	22.24	22.34						
5	QPSK	12	19	22.31	22.23	22.31						
5	QPSK	20	0	22.31	22.23	22.31	23	1				
5	QPSK	20	10	22.31	22.23	22.31						
5	HQAM	1	0	22.66	22.54	22.63						
5	HQAM	1	12	22.63	22.52	22.63						
5	HQAM	1	24	22.61	22.52	22.64						
5	HQAM	12	0	21.34	21.18	21.38	22	2				
5	HQAM	12	6	21.33	21.18	21.38						
5	HQAM	12	18	21.34	21.19	21.32						
5	HQAM	20	0	21.46	21.15	21.39						
5	HQAM	20	10	21.43	21.33	21.33						
5	HQAM	1	12	21.44	21.28	20.76	22	2				
5	HQAM	1	24	21.42	21.27	20.76						
5	HQAM	12	18	20.34	20.17	20.37						
5	HQAM	12	7	20.39	20.28	20.73						
5	HQAM	12	19	20.33	20.27	20.71						
5	25GQAM	1	0	17.77	17.48	17.68	21	3				
5	25GQAM	1	12	17.76	17.48	17.68						
5	25GQAM	1	24	17.75	17.48	17.67						
5	25GQAM	12	0	17.47	17.51	17.66						
5	25GQAM	12	6	17.52	17.53	17.62						
5	25GQAM	12	18	17.57	17.62	17.67	19	5				
5	25GQAM	20	0	17.67	17.71	17.78						
Channel												
				18615	18640	18615			Turn-up time (dB)	MPR (dB)		
3	QPSK	1	0	23.07	22.97	23.07	24	0				
3	QPSK	1	12	23.02	22.92	23.04						
3	QPSK	1	24	22.97	22.88	23.02						
3	QPSK	12	7	22.30	22.22	22.28						
3	QPSK	12	19	22.30	22.22	22.28						
3	QPSK	20	0	22.30	22.22	22.28	23	1				
3	QPSK	20	10	22.30	22.22	22.28						
3	HQAM	1	0	22.58	22.46	22.57						
3	HQAM	1	12	22.55	22.43	22.58						
3	HQAM	1	24	22.53	22.43	22.53						
3	HQAM	12	0	21.30	21.24	21.31	22	2				
3	HQAM	12	6	21.29	21.25	21.34						
3	HQAM	12	18	21.47	21.39	21.22						
3	HQAM	20	0	21.51	21.39	21.74						
3	HQAM	20	10	21.48	21.38	20.75						
3	HQAM	1	0	20.33	20.23	19.75	21	3				
3	HQAM	1	12	20.36	20.23	19.72						
3	HQAM	1	24	20.35	20.24	19.72						
3	25GQAM	1	0	17.47	17.54	17.63						
3	25GQAM	1	12	17.46	17.48	17.61						
3	25GQAM	1	24	17.47	17.67	17.68	21	3				
3	25GQAM	12	0	17.48	17.56	17.68						
3	25GQAM	12	6	17.41	17.70	17.62						
3	25GQAM	12	18	17.52	17.64	17.51						
3	25GQAM	20	0	17.70	17.63	17.63						
Channel												
				26047	26069	26047	Turn-up time (dB)	MPR (dB)				
				18640	18667	18641						
14	QPSK	1	0	22.92	22.82	22.82	24	0				
14	QPSK	1	3	23.01	22.93	22.93						
14	QPSK	1	9	22.94	22.79	22.81						
14	QPSK	1	21	23.05	22.93	23.01						
14	QPSK	3	3	22.98	22.89	22.96						
14	QPSK	1	0	22.55	22.39	22.41	23	1				
14	HQAM	1	3	22.47	22.37	22.44						
14	HQAM	1	9	22.47	22.38	22.48						
14	HQAM	3	3	22.31	22.15	22.21						
14	HQAM	3	9	22.43	22.19	22.17						
14	HQAM	6	0	22.15	22.02	22.15	22	2				
14	HQAM	6	0	21.27	21.21	21.30						
14	HQAM	1	0	21.51	21.39	20.51						
14	HQAM	1	3	21.54	21.46	21.48						
14	HQAM	1	9	21.53	21.31	20.53						
14	HQAM	3	0	21.46	21.23	20.45	22	2				
14	HQAM	3	3	21.43	21.33	20.48						
14	HQAM	3	9	21.39	21.31	20.57						
14	HQAM	6	0	20.27	20.13	19.48						
14	HQAM	6	3	20.27	20.13	19.48						
14	25GQAM	1	0	17.75	17.77	17.76	19	5				
14	25GQAM	1	3	17.77	17.76	17.76						
14	25GQAM	1	9	17.65	17.63	17.74						
14	25GQAM	1	21	17.48	17.48	17.48						
14	25GQAM	3	3	17.69	17.49	17.79						
14	25GQAM	6	0	17.74	17.74	17.74	19	5				
14	25GQAM	6	3	17.47	17.56	17.54						

Band 30_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up (mHz)	APRS (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.49	22.50	22.51			
10	QPSK	1	25	22.50	22.51	22.52			
10	QPSK	1	49	22.57	22.58	22.59	24	0	
10	QPSK	25	0	22.57	22.58	22.59			
10	QPSK	25	12	21.74	21.75	21.76	23	1	
10	QPSK	25	25	21.78	21.79	21.80			
10	QPSK	50	0	21.78	21.79	21.80			
10	16QAM	1	0	22.07	22.08	22.09			
10	16QAM	1	25	22.10	22.11	22.12	23	1	
10	16QAM	1	49	22.05	22.06	22.07			
10	16QAM	25	0	20.72	20.73	20.74			
10	16QAM	25	12	20.82	20.83	20.84	22	2	
10	16QAM	25	25	21.00	21.01	21.02			
10	16QAM	50	0	20.77	20.78	20.79			
10	64QAM	1	0	20.90	20.91	20.92	22	2	
10	64QAM	1	25	21.00	21.01	21.02			
10	64QAM	1	49	20.98	20.99	21.00			
10	64QAM	25	0	19.82	19.83	19.84	21	3	
10	64QAM	25	12	19.82	19.83	19.84			
10	64QAM	25	25	19.86	19.87	19.88			
10	64QAM	50	0	19.79	19.80	19.81			
10	256QAM	1	0	18.03	18.04	18.05			
10	256QAM	1	25	18.13	18.14	18.15	19	5	
10	256QAM	1	49	18.02	18.03	18.04			
10	256QAM	25	0	17.44	17.45	17.46			
10	256QAM	25	12	18.04	18.05	18.06	19	5	
10	256QAM	25	25	18.03	18.04	18.05			
10	256QAM	50	0	17.60	17.61	17.62			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.97	22.97	22.97			
5	QPSK	1	24	22.41	22.42	22.43	24	0	
5	QPSK	1	24	22.41	22.42	22.43			
5	QPSK	12	0	21.68	21.69	21.70			
5	QPSK	12	7	21.79	21.79	21.79	23	1	
5	QPSK	12	13	21.77	21.82	21.81			
5	QPSK	25	0	21.76	21.77	21.78			
5	16QAM	1	0	21.98	22.07	22.06	23	1	
5	16QAM	1	12	21.99	22.07	22.09			
5	16QAM	1	24	22.11	22.13	22.03			
5	16QAM	12	0	20.70	20.78	20.77			
5	16QAM	12	7	20.81	20.76	20.83	22	2	
5	16QAM	12	13	20.80	20.85	20.84			
5	16QAM	25	0	20.78	20.78	20.79			
5	64QAM	1	0	20.83	20.91	20.91	22	2	
5	64QAM	1	12	20.91	20.94	20.94			
5	64QAM	1	24	20.91	21.00	20.99			
5	64QAM	12	0	18.77	18.77	18.81			
5	64QAM	12	7	19.89	19.88	19.88	21	3	
5	64QAM	12	13	19.83	19.85	19.86			
5	64QAM	25	0	19.77	19.79	19.76			
5	256QAM	1	0	17.91	18.00	18.03			
5	256QAM	1	12	18.15	18.18	18.15	19	5	
5	256QAM	1	24	18.16	18.07	18.07			
5	256QAM	12	0	17.83	17.90	17.86			
5	256QAM	12	7	18.05	17.87	18.31	19	5	
5	256QAM	12	13	17.88	18.03	17.87			
5	256QAM	25	0	17.90	17.90	17.82			

Band 66_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up (mHz)	APRS (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.00	17.00	17.00			
20	QPSK	1	49	22.73	22.73	22.73	24	0	
20	QPSK	1	50	22.88	22.63	22.59			
20	QPSK	50	0	22.22	22.04	21.92			
20	QPSK	50	24	22.17	22.02	21.88	23	1	
20	QPSK	50	50	22.05	21.88	21.80			
20	QPSK	100	0	22.18	22.07	21.94			
20	16QAM	1	0	22.40	22.34	22.34			
20	16QAM	1	49	22.51	22.23	22.30	23	1	
20	16QAM	1	50	22.32	22.06	22.01			
20	16QAM	50	0	21.22	21.07	20.88			
20	16QAM	50	24	21.01	21.01	20.90	22	2	
20	16QAM	50	50	21.19	21.10	20.98			
20	64QAM	1	0	20.66	21.30	21.02	22	2	
20	64QAM	1	49	20.87	21.00	20.95			
20	64QAM	1	50	21.13	21.00	20.91			
20	64QAM	50	0	19.32	20.13	19.65			
20	64QAM	50	24	19.47	20.03	19.85	21	3	
20	64QAM	50	50	20.03	19.31	19.69			
20	64QAM	100	0	19.69	20.09	19.93			
20	256QAM	1	0	18.01	18.34	18.22	19	5	
20	256QAM	1	49	18.67	18.41	18.48			
20	256QAM	1	50	18.54	18.28	18.38			
20	256QAM	50	0	18.55	18.30	18.22			
20	256QAM	50	24	18.53	18.32	18.25	19	5	
20	256QAM	50	50	18.42	18.36	18.33			
Channel				19.047	19.029	19.029	Tune-up (mHz)	APRS (dB)	
Frequency (MHz)				17.17	17.16	17.17			
15	QPSK	1	0	22.88	22.71	22.68			
15	QPSK	1	37	22.88	22.68	22.65	24	0	
15	QPSK	1	74	22.72	22.61	22.58			
15	QPSK	36	20	22.20	22.08	21.98			
15	QPSK	36	39	22.04	21.99	21.89	23	1	
15	QPSK	36	74	22.16	22.03	21.98			
15	16QAM	1	0	22.45	22.37	22.15			
15	16QAM	1	37	22.42	22.23	22.24	23	1	
15	16QAM	1	74	22.04	22.23	22.04			
15	16QAM	36	0	21.19	21.01	20.87			
15	16QAM	36	20	21.11	21.00	20.88	22	2	
15	16QAM	36	39	21.03	21.01	20.89			
15	16QAM	75	0	21.09	21.03	20.89			
15	64QAM	1	0	20.89	21.13	21.00	22	2	
15	64QAM	1	37	20.83	20.11	20.81			
15	64QAM	1	74	21.06	20.41	20.71			
15	64QAM	36	0	19.51	20.12	19.86			
15	64QAM	36	20	19.46	20.09	19.85	21	3	
15	64QAM	36	39	19.76	19.56	19.53			
15	64QAM	75	0	19.59	20.03	19.81			
15	256QAM	1	0	18.73	18.37	18.23			
15	256QAM	1	37	18.88	18.42	18.54	19	5	
15	256QAM	1	74	18.61	18.46	18.53			
15	256QAM	36	0	18.65	18.28	18.25			
15	256QAM	36	20	18.49	18.31	18.23	19	5	
15	256QAM	36	39	18.47	18.27	18.33			
15	256QAM	75	0	18.48	18.31	18.26			
Channel				19.092	19.074	19.074	Tune-up (mHz)	APRS (dB)	
Frequency (MHz)				17.13	17.12	17.13			
10	QPSK	1	0	23.12	22.98	22.71			
10	QPSK	1	25	23.02	22.80	22.73	24	0	
10	QPSK	1	49	22.92	22.73	22.65			
10	QPSK	25	0	22.32	22.15	22.02			
10	QPSK	25	12	22.25	22.15	22.01	23	1	
10	QPSK	25	25	22.18	22.08	22.02			
10	QPSK	50	0	22.22	22.13	21.98			
10	16QAM	1	0	22.87	22.47	22.25			
10	16QAM	1	25	22.49	22.37	22.28	23	1	
10	16QAM	1	49	22.41	22.28	22.25			
10	16QAM	25	0	21.36	21.19	21.01			
10	16QAM	25	12	21.29	21.18	21.05	22	2	
10	16QAM	25	25	21.17	21.09	21.03			
10	16QAM	50	0	21.25	21.14	20.98			
10	64QAM	1	0	20.96	21.26	21.06	22	2	
10	64QAM	1	25	20.43	21.15	21.04			
10	64QAM	1	49	20.78	20.79	21.11			
10	64QAM	25	0	20.44	20.30	20.67			
10	64QAM	25	12	19.44	20.20	20.04	21	3	
10	64QAM	25	25	19.59	19.80	19.84			
10	64QAM	50	0	18.79	18.41	18.33			
10	256QAM	1	25	18.80	18.53	18.55	19	5	
10	256QAM	1	49	18.64	18.46	18.52			
10	256QAM	25	0	18.71	18.42	18.46			
10	256QAM	25	12	18.62	18.44	18.44	19	5	
10	256QAM	25	25	18.61	18.34	18.34			
10	256QAM	50	0	18.69	18.50	18.53			
Channel				19.092	19.074	19.074	Tune-up (mHz)	APRS (dB)	
Frequency (MHz)				17.13	17.12	17.13			
5	QPSK	1	0	23.08	22.83	22.77			
5	QPSK	1	12	23.08	22.83	22.77	24	0	
5	QPSK	1	25	22.97	22.81	22.76			
5	QPSK	12	0	22.31	22.08	22.01			
5	QPSK	12	7	22.30	22.09	22.03	23	1	
5	QPSK	12	13	22.29	22.08	22.02			
5	QPSK	25	0	22.31	22.07	21.99			
5	16QAM	1	0	22.61	22.39	22.21			
5	16QAM	1	12	22.38	22.28	22.16	23	1	
5	16QAM	1	24	22.31	22.15	22.02			
5	16QAM	12	0	21.34	21.15	21.02			
5	16QAM	12	7	21.32	21.12	21.03	22	2	
5	16QAM	12	13	21.27	21.08	21.02			
5	16QAM	25	0	21.31	21.10	21.05			
5	16QAM	25	7	21.29	21.09	21.04	22	2	
5	16QAM	25	12	21.26	21.06	21.01			
5	16QAM	50	0	20.35	20.30	20.26			
5	16QAM	50	12	20.33	20.16	20.11	21	3	
5	16QAM	12	13	20.28	20.09	20.04			
5	16QAM	12	24	20.26	20.05	20.01			
5	16QAM	25	0	19.38	19.01	18.89			
5	16QAM	25	7	19.36	18.97	18.86	19	5	
5	16QAM	25	12	19.35	18.95	18.85			
5	16QAM	50	0	18.71	18.34	18.46			
5	256QAM	1	12	18.64	18.38	18.42	19	5	
5	256QAM	1	24	18.76	18.41	18.48			
5	256QAM	25	0	18.72	18.45	18.44			
5	256QAM	25	7	18.70	18.42	18.39			
Channel				18.81	18.82	18.82	Tune-up (mHz)	APRS (dB)	
Frequency (MHz)				17.115	17.114	17.115			
3	QPSK	1	0	23.05	22.82	22.71			
3	QPSK	1	4	23.13	22.87	22.76	24	0	
3	QPSK	1	8	22.93	22.75	22.67			
3	QPSK	8	0	22.39	22.04	22.02			
3	QPSK	8	4	22.38	22.13	22.08	23	1	
3	QPSK	8	8	22.38	22.08	22.04			
3	QPSK	16	0	22.29	22.08	22.02			
3	QPSK	16	4	22.64	22.39	22.24	23	1	
3	QPSK	16	8	22.48	22.26	22.14			
3	16QAM	1	0	21.43	21.25	21.14			
3	16QAM	1	4	21.41	21.15	21.08	22	2	
3	16QAM	1	7	21.30	21.08	21.01			
3	16QAM	8	0	20.65	20.31	20.27			
3	16QAM	8	4	20.49	20.24	20.20	22	2	
3	16QAM	8	7	20.41	20.13	20.09			
3	16QAM	16	0	19.38	19.11	18.82	21	3	
3	16QAM	16	4	19.60	18.86	18.59			
3	16QAM	16	7	19.62	18.75	18.52			
3	16QAM	32	0	18.78	18.46	18.49	19	5	
3	256QAM	1	4	18.69	18.42	18.41			
3	256QAM	1	7	18.71	18.36	18.41	19	5	
3	256QAM	8	0	18.70	18.38	18.44			
3	256QAM	8	4	18.61	18.32	18.37			
Channel				18.81	18.82	18.82	Tune-up (mHz)	APRS (dB)	
Frequency (MHz)				17.107	17.106	17.107			
1.4	QPSK	1	0	22.91	22.72	22.62			
1.4	QPSK	1	4	22.90	22.70	22.60	24	0	
1.4	QPSK	1	8	22.89	22.68	22.57			
1.4	QPSK	3	0	22.86	22.75	22.65			
1.4	QPSK	3	4	22.85	22.64	22.54			
1.4	QPSK	3	8	22.80	22.72	22.65	23	1	
1.4	QPSK	3	12	22.78	22.69	22.61			
1.4	QPSK	3	16	22.72	22.65	22.58			
1.4	QPSK	6	0	22.22	21.98	21.97	23	1	
1.4	QPSK	6	4	22.20	21.97	21.95			
1.4	QPSK	6	8	22.18	21.97	21.95			
1.4	QPSK	6	12	22.12	21.91	21.89	22	2	
1.4	QPSK	6	16	22.08	21.90	21.87			
1.4	QPSK	6	20	22.05	21.88	21.85			
1.4	QPSK	6	24	22.03	21.86	21.83	22	2	
1.4	QPSK	6	28	22.01	21.84	21.81			
1.4	QPSK	6	32	21.99	21.82	21.79			
1.4	QPSK	6	36	21.97	21.80	21.77	21	3	
1.4	QPSK	6	40	21.95	21.78	21.75			
1.4	QPSK	6	44	21.93	21.76	21.73			
1.4	QPSK	6	48	21.91	21.74	21.71	20	3	
1.4	QPSK	6	52	21.89	2				

Band 41_Ant 8											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	22.78	22.88	22.58	22.52	22.59	24	0	
20	QPSK	1	49	22.84	23.01	22.71	22.66	22.51			
20	QPSK	1	99	22.86	23.06	22.86	22.73	23.01			
20	QPSK	50	0	21.88	22.10	21.98	21.76	22.00			
20	QPSK	50	24	21.86	22.00	21.94	21.79	21.95	23	1	
20	QPSK	50	50	21.69	22.00	21.93	21.53	21.89			
20	QPSK	100	0	21.79	21.95	21.84	21.64	21.86			
20	16QAM	1	0	21.80	21.95	21.93	21.83	21.87			
20	16QAM	1	49	21.94	21.99	21.81	21.81	21.89	23	1	
20	16QAM	1	99	21.82	21.93	21.94	21.87	21.95			
20	16QAM	50	0	20.76	21.06	21.01	20.51	20.56			
20	16QAM	50	24	20.86	20.98	20.94	20.86	21.02			
20	16QAM	50	50	20.87	20.95	20.81	20.81	20.97	22	2	
20	16QAM	100	0	20.69	21.02	20.63	20.53	20.72			
20	64QAM	1	0	20.43	20.41	20.56	20.09	20.59			
20	64QAM	1	49	20.65	20.69	20.60	20.51	20.38			
20	64QAM	1	99	20.55	20.72	20.64	20.47	20.56	22	2	
20	64QAM	50	0	20.00	19.80	19.93	19.53	19.81			
20	64QAM	50	24	19.90	20.00	19.94	19.89	19.96			
20	64QAM	50	50	19.79	20.10	19.90	19.65	19.92			
20	64QAM	100	0	19.90	19.84	19.92	19.56	19.78	21	3	
20	256QAM	1	0	17.70	17.75	17.65	17.62	17.68			
20	256QAM	1	49	17.62	17.68	17.56	17.57	17.60			
20	256QAM	1	99	17.64	17.69	17.58	17.57	17.61			
20	256QAM	50	0	17.79	17.84	17.70	17.70	17.71	19	5	
20	256QAM	50	24	17.44	17.49	17.37	17.36	17.40			
20	256QAM	50	50	17.76	17.79	17.72	17.72	17.73			
20	256QAM	100	0	17.78	17.83	17.69	17.68	17.75			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	22.87	22.87	22.59	22.50	22.90	24	0	
15	QPSK	1	37	22.95	22.93	22.74	22.62	22.99			
15	QPSK	1	74	22.82	23.00	22.88	22.72	23.01			
15	QPSK	36	0	21.70	21.69	21.66	21.56	21.57			
15	QPSK	36	20	21.88	21.68	21.94	21.76	21.93	23	1	
15	QPSK	36	39	21.93	21.88	21.86	21.82	22.06			
15	QPSK	75	0	21.60	21.74	21.58	21.43	21.62			
15	16QAM	1	0	21.95	21.91	21.94	21.89	21.97			
15	16QAM	1	37	21.95	21.91	21.83	21.70	21.96	23	1	
15	16QAM	1	74	21.84	22.05	22.01	21.88	21.94			
15	16QAM	36	0	20.62	20.69	20.60	20.49	20.57			
15	16QAM	36	20	20.80	20.87	20.90	20.59	20.83			
15	16QAM	36	39	20.76	20.80	20.73	20.63	20.87	22	2	
15	16QAM	75	0	20.66	20.70	20.65	20.51	20.59			
15	64QAM	1	0	20.38	20.78	20.47	20.55	20.50			
15	64QAM	1	37	21.08	20.72	20.61	20.48	20.26			
15	64QAM	1	74	20.58	20.72	20.56	20.07	20.67	22	2	
15	64QAM	36	0	19.93	19.96	19.63	19.55	19.58			
15	64QAM	36	20	19.88	19.93	19.93	19.66	19.83			
15	64QAM	36	39	19.84	19.86	19.85	19.79	19.97			
15	64QAM	75	0	19.79	19.63	19.65	19.43	19.73	21	3	
15	256QAM	1	0	17.65	17.51	17.55	17.50	17.62			
15	256QAM	1	37	17.53	17.40	17.46	17.39	17.40			
15	256QAM	1	74	17.47	17.44	17.59	17.55	17.48			
15	256QAM	36	0	17.62	17.79	17.68	17.79	17.64	19	5	
15	256QAM	36	20	17.36	17.34	17.29	17.40	17.33			
15	256QAM	36	39	17.77	17.63	17.70	17.62	17.59			
15	256QAM	75	0	17.63	17.76	17.60	17.60	17.68			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	23.04	22.98	22.95	22.88	22.95	24	0	
10	QPSK	1	25	22.74	22.81	22.56	22.58	22.71			
10	QPSK	1	49	22.84	22.89	22.70	22.71	22.77			
10	QPSK	25	0	21.83	21.77	21.71	21.70	21.73			
10	QPSK	25	12	22.16	22.10	22.07	22.04	22.17	23	1	
10	QPSK	25	25	21.99	22.07	22.03	21.76	22.10			
10	QPSK	50	0	22.09	22.11	21.73	21.85	21.79			
10	16QAM	1	0	22.04	22.05	21.97	21.87	22.12			
10	16QAM	1	25	21.75	21.86	22.12	21.86	22.17	23	1	
10	16QAM	1	49	22.01	22.10	21.98	21.77	22.11			
10	16QAM	25	0	20.80	20.94	20.62	20.69	20.80			
10	16QAM	25	12	21.06	21.17	20.99	21.02	21.04			
10	16QAM	25	25	20.97	20.93	21.02	20.75	21.06	22	2	
10	16QAM	50	0	20.87	20.99	20.82	20.72	20.85			
10	64QAM	1	0	20.99	20.66	20.75	20.74	20.94			
10	64QAM	1	25	20.68	21.03	20.63	20.53	20.88			
10	64QAM	1	49	20.65	20.80	20.75	20.45	20.81	22	2	
10	64QAM	25	0	20.00	19.90	19.83	19.74	20.11			
10	64QAM	25	12	20.17	20.15	20.13	20.09	20.22			
10	64QAM	25	25	20.18	20.07	19.95	20.00	20.27			
10	64QAM	50	0	19.85	19.82	19.71	19.94	19.69	21	3	
10	256QAM	1	0	17.53	17.63	17.63	17.59	17.47			
10	256QAM	1	25	17.57	17.40	17.56	17.56	17.43			
10	256QAM	1	49	17.53	17.55	17.47	17.49	17.59			
10	256QAM	25	0	17.69	17.67	17.69	17.62	17.64	19	5	
10	256QAM	25	12	17.46	17.26	17.37	17.36	17.42			
10	256QAM	25	25	17.69	17.68	17.68	17.64	17.72			
10	256QAM	50	0	17.73	17.63	17.73	17.59	17.58			
Channel				39675	40148	40620	41093	41585	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	23.00	22.90	22.43	22.40	22.59	24	0	
5	QPSK	1	12	22.95	22.99	22.89	22.74	23.03			
5	QPSK	1	24	22.93	22.96	23.03	22.80	22.99			
5	QPSK	12	0	21.86	21.88	21.93	21.68	21.75			
5	QPSK	12	7	22.20	22.09	22.14	22.00	22.26	23	1	
5	QPSK	12	13	21.92	22.10	22.05	21.82	22.17			
5	QPSK	25	0	21.70	21.88	21.95	21.69	21.85			
5	16QAM	1	0	21.83	21.76	21.70	21.56	22.14			
5	16QAM	1	12	22.34	21.87	21.66	21.94	22.12	23	1	
5	16QAM	1	24	21.81	22.29	21.71	21.88	22.23			
5	16QAM	12	0	20.80	20.70	20.64	20.92	20.68			
5	16QAM	12	7	21.05	21.02	21.01	20.85	21.10			
5	16QAM	12	13	20.95	21.02	21.00	20.74	21.09	22	2	
5	16QAM	25	0	20.70	20.96	20.77	20.88	20.93			
5	64QAM	1	0	20.69	20.67	20.77	20.64	20.66	22	2	
5	64QAM	1	12	20.53	21.05	20.90	20.55	21.10			
5	64QAM	1	24	20.63	20.99	20.43	20.61	20.61			
5	64QAM	12	0	19.82	19.85	19.74	19.70	19.87			
5	64QAM	12	7	20.06	19.99	19.97	20.03	20.09	21	3	
5	64QAM	12	13	20.08	20.10	20.06	19.82	20.08			
5	64QAM	25	0	19.89	20.11	19.79	19.74	20.20			
5	256QAM	1	0	17.63	17.48	17.63	17.66	17.54			
5	256QAM	1	12	17.58	17.52	17.44	17.45	17.55	19	5	
5	256QAM	1	24	17.40	17.60	17.59	17.57	17.55			
5	256QAM	12	0	17.79	17.61	17.62	17.59	17.67			
5	256QAM	12	7	17.28	17.45	17.39	17.46	17.41			
5	256QAM	12	13	17.59	17.77	17.59	17.64	17.64	19	5	
5	256QAM	25	0	17.59	17.70	17.77	17.77	17.72			

Band 48_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	23.35	23.48	23.32	23.25	24	0	
20	QPSK	1	49	23.48	23.51	23.39	23.28			
20	QPSK	1	99	23.52	23.56	23.41	23.34			
20	QPSK	50	0	21.27	21.31	21.27	21.18			
20	QPSK	50	24	21.25	21.28	21.24	21.10	23	1	
20	QPSK	50	50	21.17	21.22	21.09	21.05			
20	QPSK	100	0	21.26	21.30	21.11	21.07			
20	16QAM	1	0	21.17	21.31	21.29	21.29			
20	16QAM	1	49	21.05	21.36	21.29	21.29	23	1	
20	16QAM	1	99	21.17	21.43	21.21	21.24			
20	16QAM	50	0	20.20	20.25	20.27	20.15			
20	16QAM	50	24	20.26	20.32	20.06	20.20			
20	16QAM	50	50	20.14	20.21	20.26	20.12	22	2	
20	16QAM	100	0	20.26	20.30	20.12	20.24			
20	64QAM	1	0	20.18	20.25	20.29	20.07			
20	64QAM	1	49	20.22	20.33	20.09	20.24			
20	64QAM	1	99	20.07	20.39	20.19	20.21	22	2	
20	64QAM	50	0	19.33	19.23	19.26	19.11			
20	64QAM	50	24	19.20	19.24	19.42	19.42			
20	64QAM	50	50	19.05	19.30	19.08	19.26			
20	64QAM	100	0	19.29	19.27	19.05	19.17	21	3	
20	256QAM	1	0	17.30	17.34	17.58	17.61			
20	256QAM	1	49	17.51	17.32	17.34	17.44			
20	256QAM	1	99	17.59	17.41	17.59	17.52			
20	256QAM	50	0	17.64	17.50	17.29	17.54	19	5	
20	256QAM	50	24	17.37	17.55	17.50	17.43			
20	256QAM	50	50	17.55	17.57	17.60	17.57			
20	256QAM	100	0	17.25	17.52	17.38	17.42			
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3608	3642	3692.5			
15	QPSK	1	0	23.35	23.44	23.36	23.32	24	0	
15	QPSK	1	37	23.38	23.42	23.42	23.40			
15	QPSK	1	74	23.35	23.42	23.43	23.46			
15	QPSK	36	0	21.12	21.28	21.28	21.05			
15	QPSK	36	20	21.20	21.10	21.10	21.13	23	1	
15	QPSK	36	39	21.21	21.25	21.26	21.30			
15	QPSK	75	0	21.10	21.20	21.07	21.11			
15	16QAM	1	0	21.20	21.14	21.05	21.18			
15	16QAM	1	37	21.19	21.09	21.13	21.07	23	1	
15	16QAM	1	74	21.15	21.23	21.13	21.30			
15	16QAM	36	0	20.17	20.09	20.18	20.05			
15	16QAM	36	20	20.28	20.20	20.08	20.26			
15	16QAM	36	39	20.17	20.28	20.23	20.17	22	2	
15	16QAM	75	0	20.12	20.07	20.09	20.27			
15	64QAM	1	0	20.20	20.14	20.19	20.06			
15	64QAM	1	37	20.26	20.28	20.13	20.26			
15	64QAM	1	74	20.23	20.14	20.23	20.22	22	2	
15	64QAM	36	0	19.34	19.34	19.30	19.14			
15	64QAM	36	20	19.09	19.06	19.21	19.33			
15	64QAM	36	39	19.12	19.29	19.30	19.24			
15	64QAM	75	0	19.30	19.29	19.09	19.21	21	3	
15	256QAM	1	0	17.62	17.42	17.63	17.26			
15	256QAM	1	37	17.55	17.44	17.50	17.41			
15	256QAM	1	74	17.51	17.57	17.44	17.55			
15	256QAM	36	0	17.63	17.50	17.46	17.56	19	5	
15	256QAM	36	20	17.56	17.55	17.27	17.53			
15	256QAM	36	39	17.51	17.40	17.48	17.25			
15	256QAM	75	0	17.45	17.29	17.25	17.42			
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	23.50	23.30	23.38	23.50	24	0	
10	QPSK	1	25	23.41	23.49	23.49	23.40			
10	QPSK	1	49	23.40	23.35	23.43	23.34			
10	QPSK	25	0	21.23	21.18	21.22	21.26			
10	QPSK	25	12	21.11	21.28	21.25	21.09	23	1	
10	QPSK	25	25	21.19	21.25	21.05	21.18			
10	QPSK	50	0	21.27	21.30	21.06	21.18			
10	16QAM	1	0	21.27	21.13	21.20	21.16			
10	16QAM	1	25	21.14	21.21	21.25	21.10	23	1	
10	16QAM	1	49	21.17	21.07	21.16	21.30			
10	16QAM	25	0	20.21	20.09	20.05	20.11			
10	16QAM	25	12	20.08	20.18	20.15	20.19			
10	16QAM	25	25	20.24	20.18	20.11	20.09	22	2	
10	16QAM	50	0	20.22	20.25	20.06	20.07			
10	64QAM	1	0	20.27	20.07	20.30	20.29			
10	64QAM	1	25	20.10	20.21	20.07	20.17			
10	64QAM	1	49	20.21	20.30	20.14	20.24	22	2	
10	64QAM	25	0	19.22	19.34	19.28	19.35			
10	64QAM	25	12	19.14	19.22	19.27	19.24			
10	64QAM	25	25	19.21	19.08	19.31	19.26			
10	64QAM	50	0	19.15	19.09	19.28	19.30	21	3	
10	256QAM	1	0	17.41	17.31	17.36	17.37			
10	256QAM	1	25	17.43	17.60	17.62	17.51			
10	256QAM	1	49	17.30	17.65	17.52	17.37			
10	256QAM	25	0	17.44	17.30	17.54	17.30	19	5	
10	256QAM	25	12	17.26	17.61	17.33	17.41			
10	256QAM	25	25	17.61	17.30	17.26	17.54			
10	256QAM	50	0	17.49	17.51	17.38	17.49			
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	23.47	23.49	23.42	23.45	24	0	
5	QPSK	1	12	23.43	23.43	23.43	23.47			
5	QPSK	1	24	23.49	23.48	23.44	23.42			
5	QPSK	12	0	21.21	21.12	21.26	21.25			
5	QPSK	12	7	21.12	21.27	21.30	21.17	23	1	
5	QPSK	12	13	21.29	21.08	21.23	21.17			
5	QPSK	25	0	21.05	21.21	21.20	21.21			
5	16QAM	1	0	21.09	21.13	21.07	21.22			
5	16QAM	1	12	21.26	21.29	21.19	21.05	23	1	
5	16QAM	1	24	21.20	21.19	21.09	21.29			
5	16QAM	12	0	20.07	20.28	20.25	20.13			
5	16QAM	12	7	20.13	20.09	20.17	20.22			
5	16QAM	12	13	20.28	20.20	20.10	20.17	22	2	
5	16QAM	25	0	20.19	20.08	20.29	20.14			
5	64QAM	1	0	20.08	20.15	20.22	20.30			
5	64QAM	1	12	20.15	20.25	20.13	20.05			
5	64QAM	1	24	20.14	20.08	20.14	20.12	22	2	
5	64QAM	12	0	19.19	19.21	19.26	19.11			
5	64QAM	12	7	19.27	19.14	19.33	19.24			
5	64QAM	12	13	19.16	19.27	19.05	19.35			
5	64QAM	25	0	19.16	19.22	19.12	19.28	21	3	
5	256QAM	1	0	17.29	17.64	17.25	17.61			
5	256QAM	1	12	17.48	17.28	17.27	17.62			
5	256QAM	1	24	17.28	17.53	17.26	17.52			
5	256QAM	12	0	17.55	17.62	17.31	17.52	19	5	
5	256QAM	12	7	17.50	17.39	17.31	17.27			
5	256QAM	12	13	17.45	17.41	17.49	17.43			
5	256QAM	25	0	17.42	17.28	17.51	17.52			

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251	128	128	189	251	128
Frequency (MHz)	324.2	336.4	348.6	324.2	336.4	348.6	348.6	348.6
GSM 1 Tx slot	32.42	32.57	32.32	33.50	23.42	23.57	23.32	24.50
GPRS 1 Tx slot	32.31	32.54	32.24	33.50	23.31	23.54	23.24	24.50
GPRS 2 Tx slots	31.13	31.56	31.33	32.50	25.13	25.56	25.33	26.50
GPRS 3 Tx slots	29.83	29.57	29.61	31.00	25.57	25.31	25.35	26.74
GPRS 4 Tx slots	28.37	28.12	28.22	30.00	25.37	25.12	25.22	27.00
EDGE 1 Tx slot	26.38	26.57	26.35	27.50	17.38	17.57	17.35	18.50
EDGE 2 Tx slots	25.68	25.55	25.61	26.50	19.68	19.55	19.61	20.50
EDGE 3 Tx slots	23.48	23.31	23.76	25.00	19.22	19.05	19.50	20.74
EDGE 4 Tx slots	21.65	21.45	22.03	23.00	18.65	18.45	19.03	20.00

GSM1900_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810	512	661	810	810	810
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	1909.8	1909.8
GSM 1 Tx slot	29.61	29.41	29.80	30.50	20.61	20.41	20.80	21.50
GPRS 1 Tx slot	29.34	29.37	29.79	30.50	20.34	20.37	20.79	21.50
GPRS 2 Tx slots	27.83	27.91	28.14	29.50	21.83	21.91	22.14	23.50
GPRS 3 Tx slots	26.80	26.87	27.28	28.00	22.54	22.61	23.02	23.74
GPRS 4 Tx slots	24.81	24.83	24.95	26.00	21.81	21.83	21.95	23.00
EDGE 1 Tx slot	25.81	25.59	25.88	27.00	16.81	16.59	16.88	18.00
EDGE 2 Tx slots	24.79	24.78	24.83	25.50	18.79	18.78	18.83	19.50
EDGE 3 Tx slots	23.23	22.90	23.06	24.50	18.97	18.64	18.80	20.24
EDGE 4 Tx slots	21.52	21.38	21.29	22.50	18.52	18.38	18.29	19.50

	Band	WCDMA II_Ant 1			Tune-up Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)	WCDMA V_Ant 1			Tune-up Limit (dBm)
	TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233	
	Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
	Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.25	23.20	23.21	24.00	23.18	23.06	23.28	24.00	23.18	23.07	22.97	24.00
3GPP Rel 99	RMC 12.2Kbps	23.36	23.27	23.35	24.00	23.24	23.08	23.40	24.00	23.26	23.13	23.05	24.00
3GPP Rel 6	HSDPA Subtest-1	22.35	22.31	22.20	23.00	22.22	22.15	22.42	23.00	22.25	22.13	22.03	23.00
3GPP Rel 6	HSDPA Subtest-2	22.41	22.31	22.29	23.00	22.24	22.10	22.36	23.00	22.24	22.16	22.00	23.00
3GPP Rel 6	HSDPA Subtest-3	21.85	21.80	21.77	22.50	21.71	21.63	21.89	22.50	21.71	21.64	21.48	22.50
3GPP Rel 6	HSDPA Subtest-4	21.85	21.75	21.78	22.50	21.72	21.60	21.81	22.50	21.71	21.62	21.47	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.18	22.28	22.30	23.00	22.20	22.25	22.23	23.00	22.25	22.18	22.18	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.20	22.21	22.24	23.00	22.19	22.21	22.20	23.00	22.21	22.20	22.20	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.82	21.90	21.87	22.50	21.78	21.82	21.79	22.50	21.90	21.82	21.82	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.85	21.87	21.82	22.50	21.75	21.77	21.77	22.50	21.87	21.85	21.85	22.50
3GPP Rel 6	HSUPA Subtest-1	22.40	22.32	22.31	23.00	22.29	22.19	22.13	23.00	22.25	22.16	22.19	23.00
3GPP Rel 6	HSUPA Subtest-2	20.36	20.33	20.33	21.00	20.30	20.17	20.15	21.00	20.22	20.13	20.06	21.00
3GPP Rel 6	HSUPA Subtest-3	21.39	21.30	21.32	22.00	21.31	21.18	21.18	22.00	21.23	21.09	21.18	22.00
3GPP Rel 6	HSUPA Subtest-4	20.35	20.34	20.27	21.00	20.25	20.19	20.12	21.00	20.20	20.08	20.11	21.00
3GPP Rel 6	HSUPA Subtest-5	22.40	22.30	22.40	23.00	22.30	22.20	22.10	23.00	22.30	22.10	22.20	23.00

Band 2_Ant 1													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turnup time (sec)	APR (dB)					
Channel													
1800 1800 1800													
20	QPSK	1	0	23.13	22.91	22.91	24	0					
20	QPSK	1	49	22.91	22.78	22.65							
20	QPSK	1	99	22.77	22.77	22.85							
20	QPSK	50	0	22.29	22.17	22.50							
20	QPSK	50	24	22.16	22.16	22.61	23	1					
20	QPSK	50	50	22.08	22.08	22.08							
20	QPSK	100	0	22.23	22.17	22.07							
20	16QAM	100	0	22.51	22.42	22.29							
20	16QAM	1	49	22.42	22.35	22.28	23	1					
20	16QAM	1	99	22.33	22.30	22.19							
20	16QAM	50	0	21.27	21.17	21.00							
20	16QAM	50	24	21.14	21.18	21.05							
20	16QAM	50	50	21.08	21.07	21.03	22	2					
20	16QAM	100	0	21.12	21.05	21.00							
20	16QAM	1	0	21.46	21.35	21.22							
20	16QAM	1	49	21.29	21.23	21.12							
20	16QAM	50	0	21.08	21.15	20.73	21	3					
20	16QAM	50	24	20.15	20.19	20.09							
20	16QAM	50	50	20.10	20.10	20.10							
20	16QAM	100	0	20.15	20.10	20.10							
20	256QAM	1	49	17.76	17.47	17.46	19	5					
20	256QAM	1	99	17.63	17.55	17.53							
20	256QAM	50	0	17.60	17.58	17.58							
20	256QAM	50	24	17.77	17.70	17.69							
20	256QAM	50	50	17.74	17.51	17.84	19	5					
20	256QAM	100	0	17.72	17.59	17.87							
1807.5 1807.5 1807.5													
Frequency (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turnup time (sec)	APR (dB)					
18	QPSK	1	0	23.04	22.84	22.88	24	0					
18	QPSK	1	37	22.90	22.88	22.88							
18	QPSK	1	74	22.78	22.79	22.84							
18	QPSK	36	0	22.30	22.16	21.85							
18	QPSK	36	39	22.08	22.07	22.05	23	1					
18	QPSK	75	0	22.17	22.13	21.98							
18	QPSK	75	36	22.06	22.04	22.03							
18	16QAM	1	37	22.41	22.37	22.23							
18	16QAM	1	74	22.38	22.36	22.23	23	1					
18	16QAM	36	0	21.26	21.18	21.01							
18	16QAM	36	39	21.24	21.12	21.05							
18	16QAM	75	0	21.16	21.15	21.00							
18	16QAM	75	36	21.16	21.15	21.00	22	2					
18	16QAM	1	0	21.46	21.20	21.19							
18	16QAM	1	37	21.35	21.18	21.08							
18	16QAM	36	0	20.28	20.19	20.00							
18	16QAM	36	39	20.27	20.16	20.00	21	3					
18	16QAM	36	39	20.15	20.14	20.04							
18	16QAM	75	0	20.16	20.13	19.99							
18	16QAM	75	36	20.17	20.16	19.99							
18	16QAM	1	37	17.61	17.64	17.77	19	5					
18	256QAM	1	74	17.44	17.50	17.54							
18	256QAM	36	0	17.60	17.54	17.54							
18	256QAM	36	39	17.44	17.78	17.80							
18	256QAM	36	39	17.47	17.55	17.68	19	5					
18	256QAM	75	0	17.42	17.68	17.66							
18060 18060 18060													
Frequency (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turnup time (sec)	APR (dB)					
18	QPSK	1	0	23.04	22.84	22.88	24	0					
18	QPSK	1	25	23.06	22.93	22.83							
18	QPSK	1	49	23.03	22.84	22.85							
18	QPSK	1	74	22.98	22.82	22.82							
18	QPSK	25	12	22.38	22.21	22.11	23	1					
18	QPSK	25	25	22.29	22.19	22.14							
18	QPSK	50	0	22.38	22.30	22.22							
18	QPSK	50	25	22.40	22.43	22.43							
18	16QAM	1	25	22.60	22.46	22.38	23	1					
18	16QAM	1	49	22.47	22.43	22.38							
18	16QAM	25	0	21.42	21.33	21.10							
18	16QAM	25	12	21.40	21.31	21.13							
18	16QAM	50	0	21.33	21.29	21.12	22	2					
18	16QAM	50	12	21.33	21.29	21.12							
18	16QAM	50	0	21.37	21.27	21.10							
18	16QAM	1	0	21.61	21.51	21.26							
18	16QAM	1	24	21.43	21.38	21.17	22	2					
18	16QAM	1	49	21.40	21.37	20.71							
18	16QAM	25	0	20.43	20.34	20.15							
18	16QAM	25	12	20.42	20.29	20.13							
18	16QAM	50	0	20.33	20.25	20.02	21	3					
18	16QAM	50	12	20.33	20.25	20.02							
18	16QAM	50	0	20.40	20.29	20.10							
18	16QAM	50	12	20.40	20.29	20.10							
18	256QAM	1	25	17.64	17.61	17.61	19	5					
18	256QAM	1	25	17.67	17.67	17.63							
18	256QAM	1	49	17.43	17.44	17.50							
18	256QAM	25	12	17.62	17.41	17.54							
18	256QAM	25	25	17.42	17.44	17.68	19	5					
18	256QAM	50	0	17.73	17.41	17.45							
18	256QAM	50	0	17.73	17.41	17.45							
18025 18025 18025													
Frequency (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.			Turnup time (sec)	APR (dB)			
5	QPSK	1	0	23.10	22.96	22.93	24	0					
5	QPSK	1	12	23.05	23.00	22.83							
5	QPSK	1	24	23.02	22.91	22.79							
5	QPSK	12	0	22.12	22.12	22.12							
5	QPSK	12	7	22.40	22.25	22.11	23	1					
5	QPSK	12	13	22.38	22.16	22.05							
5	QPSK	25	0	22.18	22.18	22.07							
5	QPSK	25	13	22.18	22.18	22.07							
5	16QAM	1	0	22.68	22.56	22.41	23	1					
5	16QAM	1	12	22.76	22.57	22.44							
5	16QAM	1	24	22.15	22.15	22.15							
5	16QAM	12	0	21.45	21.34	21.16							
5	16QAM	12	7	21.73	21.27	21.12	22	2					
5	16QAM	12	13	21.28	21.21	21.07							
5	16QAM	25	0	21.36	21.24	21.08							
5	16QAM	25	13	21.37	21.43	21.08							
5	16QAM	1	12	21.44	21.33	20.90	22	2					
5	16QAM	1	24	21.44	21.32	20.93							
5	16QAM	12	0	20.32	20.20	20.02							
5	16QAM	12	7	20.43	20.30	20.16							
5	256QAM	1	12	18.34	18.29	18.30	21	3					
5	256QAM	1	0	17.42	17.83	17.60							
5	256QAM	1	12	17.59	17.85	17.84							
5	256QAM	1	24	17.71	17.71	17.71							
5	256QAM	12	0	17.87	17.87	17.68	19	5					
5	256QAM	12	7	17.85	17.79	17.56							
5	256QAM	12	13	17.85	17.79	17.56							
5	256QAM	25	0	17.74	17.90	17.69							
1800.5 1800.5 1800.5													
Frequency (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turnup time (sec)	APR (dB)					
3	QPSK	1	0	23.10	23.03	22.91	24	0					
3	QPSK	1	8	23.03	22.97	22.82							
3	QPSK	1	16	22.97	22.91	22.76							
3	QPSK	8	0	22.41	22.26	22.12							
3	QPSK	8	4	22.42	22.25	22.07	23	1					
3	QPSK	8	12	22.38	22.16	22.05							
3	QPSK	16	0	22.33	22.30	22.27							
3	QPSK	16	8	22.61	22.63	22.64							
3	16QAM	1	0	22.68	22.56	22.41	23	1					
3	16QAM	1	8	22.76	22.57	22.44							
3	16QAM	1	16	22.15	22.15	22.15							
3	16QAM	8	0	21.45	21.34	21.16							
3	16QAM	8	4	21.73	21.27	21.12	22	2					
3	16QAM	8	12	21.28	21.21	21.07							
3	16QAM	16	0	21.36	21.24	21.08							
3	16QAM	16	8	21.37	21.43	21.08							
3	16QAM	1	12	21.44	21.33	20.90	22	2					
3	16QAM	1	24	21.44	21.32	20.93							
3	16QAM	8	0	20.32	20.20	20.02							
3	16QAM	8	4	20.43	20.30	20.16							
3	256QAM	1	12	18.34	18.29	18.30	21	3					
3	256QAM	1	0	17.42	17.83	17.60							
3	256QAM	1	12	17.59	17.85	17.84							
3	256QAM	1	24	17.71	17.71	17.71							
3	256QAM	12	0	17.87	17.87	17.68	19	5					
3	256QAM	12	7	17.85	17.79	17.56							
3	256QAM	12	13	17.85	17.79	17.56							
3	256QAM	25	0	17.74	17.90	17.69							
1800.5 1800.5 1800.5													
Frequency (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turnup time (sec)	APR (dB)					
3	QPSK	1	0	23.10	23.03	22.91	24	0					
3	QPSK	1	8	23.03	22.97	22.82							
3	QPSK	1	16	22.97	22.91	22.76							
3	QPSK	8	0	22.41	22.26	22.12							
3	QPSK	8	4	22.42	22.25	22.07	23	1					
3	QPSK	8	12	22.38	22.16	22.05							
3	QPSK	16	0	22.33	22.30	22.27							
3	QPSK	16	8	22.61	22.63	22.64							
3	16QAM	1	0	22.68	22.56	22.41	23	1					
3	16QAM	1	8	22.76	22.57	22.44							
3	16QAM	1	16	22.15	22.15	22.15							
3	16QAM	8	0	21.45	21.34	21.16							
3	16QAM	8	4	21.73	21.27	21.12	22	2					
3	16QAM	8	12	21.28	21.21	21.07							
3	16QAM	16	0	21.36	21.24	21.08							
3	16QAM	16	8	21.37	21.43	21.08							
3	16QAM	1	12	21.44	21.33	20.90	22	2					



Band 7_Ant 7												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Mid Ch./Freq.	Turn-up limit (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.96	22.96	22.91	24	0				
20	QPSK	1	48	22.89	22.91	22.88						
20	QPSK	1	96	22.94	22.98	22.92						
20	QPSK	50	0	22.07	22.14	21.98						
20	QPSK	50	24	22.03	22.04	21.97	23	1				
20	QPSK	50	50	22.02	22.04	21.96						
20	QPSK	100	0	21.90	22.08	22.04						
20	16QAM	1	0	22.03	22.04	22.10						
20	16QAM	1	48	21.96	22.08	22.07	23	1				
20	16QAM	1	96	22.42	22.36	21.98						
20	16QAM	50	0	20.91	21.11	21.04						
20	16QAM	50	24	20.91	21.04	21.02						
20	16QAM	50	50	20.84	21.04	21.00	22	2				
20	16QAM	100	0	20.90	21.08	20.98						
20	64QAM	1	0	20.59	21.20	20.90						
20	64QAM	1	48	21.11	21.22	20.89						
20	64QAM	1	96	21.17	21.30	21.07	21	3				
20	64QAM	50	0	19.99	20.10	20.01						
20	64QAM	50	24	19.93	20.10	20.07						
20	64QAM	50	50	19.93	20.11	20.03						
20	64QAM	100	0	19.88	20.05	20.14	19	5				
20	256QAM	1	0	17.52	17.61	17.55						
20	256QAM	1	48	17.53	17.51	17.44						
20	256QAM	1	96	17.49	17.59	17.54						
20	256QAM	50	0	17.46	17.52	17.48						
20	256QAM	50	24	17.44	17.44	17.46						
20	256QAM	50	50	17.42	17.55	17.40						
20	256QAM	100	0	17.45	17.55	17.50	19	5				
Channel												
Frequency (MHz)												
18	QPSK	1	0	22.77	22.85	22.81				24	0	
18	QPSK	1	32	22.89	23.04	22.81						
18	QPSK	1	74	22.95	23.00	22.97						
18	QPSK	36	0	21.89	22.13	22.01						
18	QPSK	36	25	22.02	22.11	22.06	23	1				
18	QPSK	36	39	21.94	22.03	22.08						
18	QPSK	75	0	21.85	22.08	22.05						
18	16QAM	1	0	21.99	22.06	22.12						
18	16QAM	1	32	22.27	22.30	22.19	23	1				
18	16QAM	1	74	21.98	22.19	22.25						
18	16QAM	36	0	20.93	21.14	21.09						
18	16QAM	36	20	21.02	21.14	21.07						
18	16QAM	36	39	20.99	21.09	21.04	22	2				
18	16QAM	75	0	20.98	21.14	21.10						
18	64QAM	1	0	21.18	21.14	20.91						
18	64QAM	1	32	17.84	17.92	17.94						
18	64QAM	1	74	21.20	21.25	21.24	21	3				
18	64QAM	36	0	20.01	20.20	20.14						
18	64QAM	36	20	20.09	20.19	20.04						
18	64QAM	36	39	19.98	20.11	20.10						
18	64QAM	75	0	19.94	19.93	20.04	19	5				
18	256QAM	1	0	17.54	17.59	17.59						
18	256QAM	1	32	17.74	17.82	17.80						
18	256QAM	1	74	17.86	18.10	17.88						
18	256QAM	36	0	17.78	17.90	17.77						
18	256QAM	36	20	17.95	17.95	17.90						
18	256QAM	36	39	17.73	18.02	17.83						
18	256QAM	75	0	17.84	17.82	17.83	19	5				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.70	23.05	23.08				24	0	
20	QPSK	1	25	22.95	23.01	22.98						
20	QPSK	1	48	22.89	23.07	23.05						
20	QPSK	25	0	21.94	22.29	22.29						
20	QPSK	25	12	22.02	22.18	22.26	23	1				
20	QPSK	25	25	22.03	22.17	22.17						
20	QPSK	50	0	22.06	22.16	22.14						
20	16QAM	1	0	22.12	22.32	22.39						
20	16QAM	1	25	22.17	22.33	21.99	23	1				
20	16QAM	1	48	22.32	22.32	22.37						
20	16QAM	25	0	21.00	21.20	21.23						
20	16QAM	25	12	21.08	21.19	21.27						
20	16QAM	36	25	21.12	21.12	21.21	22	2				
20	16QAM	50	0	21.04	21.23	21.24						
20	64QAM	1	0	21.26	21.60	21.21						
20	64QAM	1	25	21.30	21.30	21.17						
20	64QAM	1	48	20.95	21.25	21.32	21	3				
20	64QAM	25	0	20.02	20.33	20.24						
20	64QAM	25	12	20.12	20.24	20.25						
20	64QAM	25	25	20.13	20.25	20.30						
20	64QAM	50	0	20.17	20.16	20.24	19	5				
20	256QAM	1	0	17.07	18.05	17.79						
20	256QAM	1	25	18.00	18.04	17.81						
20	256QAM	1	48	17.83	18.06	17.85						
20	256QAM	25	0	17.91	17.85	17.85	19	5				
20	256QAM	25	12	18.06	17.83	17.76						
20	256QAM	25	25	17.98	17.82	17.82						
20	256QAM	50	0	17.50	17.59	17.51						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.77	22.89	22.80	24	0				
5	QPSK	1	12	22.75	22.95	23.12						
5	QPSK	1	24	22.90	23.10	23.01						
5	QPSK	12	0	21.82	22.10	22.19						
5	QPSK	12	7	22.03	22.15	22.20	23	1				
5	QPSK	12	13	22.03	22.20	22.27						
5	QPSK	25	0	21.87	22.16	22.13						
5	16QAM	1	0	22.45	22.65	22.23						
5	16QAM	1	12	22.44	22.68	22.56	23	1				
5	16QAM	1	24	22.08	22.57	22.41						
5	16QAM	12	0	20.98	21.24	21.21						
5	16QAM	12	7	21.16	21.23	21.09						
5	16QAM	12	13	21.12	21.30	21.31	22	2				
5	16QAM	25	0	21.03	21.26	21.37						
5	64QAM	1	0	20.62	21.30	21.50						
5	64QAM	1	12	21.07	21.36	21.01						
5	64QAM	1	24	21.30	21.53	21.12	21	3				
5	64QAM	12	0	18.96	20.27	20.13						
5	64QAM	12	7	19.99	20.41	20.33						
5	64QAM	12	13	20.12	20.17	20.12						
5	64QAM	25	0	20.01	20.25	20.19	19	5				
5	256QAM	1	0	17.64	18.00	17.81						
5	256QAM	1	12	17.94	17.89	17.88						
5	256QAM	1	24	18.04	18.05	17.72						
5	256QAM	12	0	17.68	17.83	17.83	19	5				
5	256QAM	12	7	17.75	17.66	17.73						
5	256QAM	12	13	17.87	17.87	17.85						
5	256QAM	25	0	17.73	17.83	17.83						

Band 12_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Mid Ch./Freq.	Turn-up limit (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.02	23.09	22.94	24	0	
10	QPSK	1	25	23.01	23.06	22.98			
10	QPSK	1	48	22.99	23.01	22.92			
10	QPSK	25	0	22.25	22.30	22.21			
10	QPSK	25	12	22.18	22.27	22.20	23	1	
10	QPSK	25	25	22.21	22.22	22.18			
10	QPSK	50	0	22.27	22.32	22.20	23	1	
10	QPSK	50	25	22.23	22.28	22.21			
10	QPSK	1	49	22.94	23.06	22.94	23	1	
10	QPSK	25	0	21.32	21.31	21.34			
10	QPSK	25	12	21.42	21.39	21.30	22	2	
10	QPSK	25	25	21.40	21.38	21.34			
10	QPSK	50	0	21.38	21.29	21.25	23	2	
10	QPSK	50	25	21.41	21.34	21.30			
10	QPSK	1	26	21.40	21.39	21.34	22	2	
10	QPSK	49	25	21.44	21.41	21.47			
10	QPSK	25	0	20.31	20.34	20.28	23	1	
10	QPSK	25	12	20.34	20.34	20.35			
10	QPSK	25	25	20.40	20.38	20.39	19	5	
10	QPSK	50	0	20.40	20.34	20.34			
10	QPSK	50	25	19.00	17.72	18.26	19	5	
10	QPSK	1	26	17.57	18.00	18.13			
10	QPSK	25	0	18.17	18.00	17.95	19	5	
10	QPSK	25	12	18.26	18.22	18.22			
10	QPSK	25	25	18.12	18.12	18.02	19	5	
10	QPSK	50	0	18.17	18.05	17.99			
Frequency (MHz)									
				70.15	70.02	73.93	Turn-up limit (dB)	MPE (dB)	
5	QPSK	1	0	22.98	22.92	22.91	24	0	
5	QPSK	1	12	23.02	22.96	22.93			
5	QPSK	1	25	23.01	22.98	22.92			
5	QPSK	12	0	22.24	22.22	22.20			
5	QPSK	12	12	22.33	22.22	22.20	23	1	
5	QPSK	12	25	22.29	22.21	22.18			
5	QPSK	25	0	22.33	22.30	22.14	23	1	
5	QPSK	1	25	22.53	22.49	22.46			
5	QPSK	12	0	22.57	22.52	22.42	22	2	
5	QPSK	12	12	22.62	22.62	22.58			
5	QPSK	12	25	21.27	21.25	21.24	22	2	
5	QPSK	1	24	21.34	21.30	21.25			
5	QPSK	12	18	21.35	21.28	21.17	21	3	
5	QPSK	25	0	21.31	21.23	21.18			
5	QPSK	1	21	21.31	21.44	21.42	21	3	
5	QPSK	1	12	21.37	21.37	21.29			
5	QPSK	1	24	21.42	21.36	21.12	21	3	
5	QPSK	12	7	20.42	20.32	20.26			
5	QPSK	12	19	20.31	20.33	20.20	19	5	
5	QPSK	25	0	20.34	20.21	20.18			
5	QPSK	1	0	17.85	17.83	17.86	19	5	
5	QPSK	1	12	17.78	17.97	17.84			
5	QPSK	1	25	17.81	17.81	17.81	19	5	
5	QPSK	12	0	17.84	18.02	18.03			
5	QPSK	12	7	17.57	17.50	17.75	19	5	
5	QPSK	12	19	17.65	17.65	17.66			
5	QPSK	25	0	17.87	17.57	17.51	19	5	
5	QPSK	25	12	17.87	17.57	17.51			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.07	22.96	22.88	24	0	
3	QPSK	1	8	23.08	23.05	22.88			
3	QPSK	1	16	23.06	23.06	22.88			
3	QPSK	8	0	22.34	22.22	22.24			
3	QPSK	8	4	22.38	22.22	22.24	23	1	
3	QPSK	16	0	22.37	22.36	22.15			
3	QPSK	1	0	22.33	22.16	22.16	23	1	
3	QPSK	1	0	22.56	22.60	22.43			
3	QPSK	1	14	22.57	22.51	22.42	23	1	
3	QPSK	8	8	21.38	21.23	21.24			
3	QPSK	1	1	21.32	21.32	21.24	22	2	
3	QPSK	8	7	21.31	21.30	21.17			
3	QPSK	15	0	21.31	21.23	21.22	22	2	
3	QPSK	1	15	21.36	21.41	21.35			
3	QPSK	8	8	21.48	21.44	21.38	22	2	
3	QPSK	1	14	21.37	21.44	21.33			
3	QPSK	8	4	20.34	20.36	20.23	21	3	
3	QPSK	8	4	20.43	20.31	20.28			
3	QPSK	8	7	20.36	20.30	20.28	19	5	
3	QPSK	15	0	17.59	17.68	18.04			
3	QPSK	8	8	17.66	17.54	18.01	19	5	
3	QPSK	15	0	17.61	17.61	17.61			
3	QPSK	8	8	17.59	17.58	17.52	19	5	
3	QPSK	8	4	17.59	17.59	17.50			
3	QPSK	15	0	17.53	17.54	17.50	22	2	
3	QPSK	15	0	17.83	17.84	17.83			
Channel									
Frequency (MHz)									
14	QPSK	1	0	22.98	22.90	22.75	24	0	
14	QPSK	1	8	23.02	23.00	22.81			
14	QPSK	1	8	22.98	22.82	22.72			
14	QPSK	1	8	22.90	22.84	22.81			
14	QPSK	3	1	23.03	22.99	22.80	23	1	
14	QPSK	3	1	22.95	22.89	22.84			
14	QPSK	1	0	22.49	22.50	22.36	23	1	
14	QPSK	1	8	22.58	22.55	22.21			
14	QPSK	1	8	22.44	22.44	22.21	23	1	
14	QPSK	3	0	22.27	22.16	22.07			
14	QPSK	3	1	22.27	22.22	22.14	22	2	
14	QPSK	3	1	22.18	22.18	22.11			
14	QPSK	6	0	21.33	21.26	21.15	22	2	
14	QPSK	1	1	21.51	21.47	21.47			
14	QPSK	1	1	21.43	21.49	21.27	22	2	
14	QPSK	1	8	21.33	21.39	21.30			
14	QPSK	1	8	21.34	21.34	21.25	21	3	
14	QPSK	3	3	21.32	21.31	21.15			
14	QPSK	1	8	20.31	20.31	20.28	19	5	
14	QPSK	1	8	18.05	17.91	17.64			
14	QPSK	1	8	17.90	17.67	18.07	19	5	
14	QPSK	3	3	17.73	17.73	17.73			
14	QPSK	3	3	17.73	17.73	17.73	19	5	
14	QPSK	3	0	17.78	17.61	17.91			
14	QPSK	1	1	17.71	17.73	17.61	19	5	
14	QPSK	1	8	17.61	17.61	17.61			
14	QPSK	6	0	17.73	17.82	17.90	19	5	
14	QPSK	6	0	17.73	17.82	17.90			



Band 14_Ant 1												
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.07	22.07	22.07	24	0				
10	QPSK	1	25	22.07	22.07	22.07						
10	QPSK	1	49	22.06	22.06	22.06						
10	QPSK	25	0	22.06	22.07	22.07	23	1				
10	QPSK	25	12	22.22	22.28	22.12						
10	QPSK	25	25	22.26	22.16	22.15						
10	16QAM	1	0	22.06	22.07	22.06	23	1				
10	16QAM	1	25	22.43	22.44	22.39						
10	16QAM	1	49	22.37	22.43	22.43						
10	16QAM	25	0	21.21	21.23	21.20	22	2				
10	16QAM	25	12	21.23	21.23	21.23						
10	16QAM	25	25	21.29	21.24	21.16						
10	16QAM	50	0	21.18	21.24	21.16	22	2				
10	16QAM	1	0	21.31	21.29	21.32						
10	16QAM	1	25	21.39	21.38	21.38						
10	16QAM	1	49	20.36	20.36	20.36	21	3				
10	16QAM	25	0	20.27	20.27	20.27						
10	16QAM	25	12	20.33	20.33	20.33						
10	16QAM	25	25	20.32	20.32	20.32	19	5				
10	16QAM	50	0	20.29	20.29	20.29						
10	256QAM	1	25	17.46	17.51	17.51						
10	256QAM	1	49	18.18	18.18	18.18	19	5				
10	256QAM	25	0	18.08	18.08	18.08						
10	256QAM	25	12	18.19	18.19	18.19						
10	256QAM	25	25	18.25	18.25	18.25	19	5				
10	256QAM	50	0	18.20	18.20	18.20						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.94	22.94	22.99				24	0	
5	QPSK	1	12	22.90	22.94	22.94						
5	QPSK	1	49	22.86	22.84	22.87						
5	QPSK	12	0	22.89	22.16	22.20	23	1				
5	QPSK	12	7	22.22	22.20	22.19						
5	QPSK	12	13	22.14	22.19	22.20						
5	QPSK	25	0	22.18	22.11	22.14	23	1				
5	16QAM	1	0	22.29	22.50	22.49						
5	16QAM	1	24	22.40	22.45	22.58						
5	16QAM	1	24	22.43	22.47	22.48	22	2				
5	16QAM	12	0	21.17	21.20	21.23						
5	16QAM	12	7	21.20	21.19	21.22						
5	16QAM	25	0	21.19	21.18	21.17	22	2				
5	16QAM	1	0	21.32	21.31	21.32						
5	16QAM	1	24	21.29	21.31	21.29						
5	16QAM	12	0	20.19	20.26	20.26	21	3				
5	16QAM	12	7	20.26	20.26	20.27						
5	16QAM	12	13	20.22	20.22	20.25						
5	16QAM	25	0	20.23	20.19	20.16	19	5				
5	256QAM	1	0	17.54	17.56	17.51						
5	256QAM	1	12	17.67	17.51	17.57						
5	256QAM	1	24	18.01	17.89	17.92	19	5				
5	256QAM	12	0	17.66	17.66	17.70						
5	256QAM	12	7	17.56	17.58	17.60						
5	256QAM	12	13	17.67	17.71	17.86	19	5				
5	256QAM	25	0	17.51	17.61	17.59						

Band 17_Ant 1									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turnup time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.83	22.88	22.82	24	0	
10	QPSK	1	25	22.81	22.89	22.87			
10	QPSK	1	49	22.85	22.82	22.84			
10	QPSK	25	0	22.80	22.27	22.17	23	1	
10	QPSK	25	12	22.14	22.28	22.12			
10	QPSK	25	25	22.18	22.16	22.15			
10	QPSK	50	0	22.80	22.25	22.16	23	1	
10	16QAM	1	0	22.86	22.47	22.46			
10	16QAM	1	25	22.42	22.44	22.39			
10	16QAM	1	49	22.36	22.43	22.43	22	2	
10	16QAM	25	0	21.27	21.23	21.20			
10	16QAM	25	12	21.29	21.19	21.26			
10	16QAM	25	25	21.32	21.16	21.16	22	2	
10	16QAM	50	0	21.24	21.21	21.16			
10	16QAM	1	0	21.29	21.32	21.32			
10	16QAM	1	25	21.37	21.31	21.32	21	3	
10	16QAM	1	49	21.29	21.29	21.29			
10	16QAM	25	0	20.29	20.27	20.24			
10	16QAM	25	12	20.39	20.34	20.34	21	3	
10	16QAM	25	25	20.35	20.32	20.16			
10	16QAM	50	0	20.24	20.23	20.18			
10	256QAM	1	0	18.01	17.72	17.67	19	5	
10	256QAM	1	25	17.82	17.65	17.69			
10	256QAM	1	49	17.61	18.14	18.02			
10	256QAM	25	0	18.12	18.07	17.84	19	5	
10	256QAM	25	12	18.07	18.18	18.09			
10	256QAM	25	25	17.85	17.82	17.89			
10	256QAM	50	0	18.05	17.89	18.10	19	5	
10	256QAM	1	0	18.05	17.89	18.10			
10	256QAM	1	25	18.05	17.89	18.10			
10	256QAM	1	49	18.05	17.89	18.10			
10	256QAM	1	75	18.05	17.89	18.10			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.05	23.00	22.91	24	0	
5	QPSK	1	12	22.99	22.90	22.82			
5	QPSK	1	24	22.94	22.83	22.81			
5	QPSK	12	0	22.40	22.28	22.22	23	1	
5	QPSK	12	7	22.34	22.24	22.18			
5	QPSK	12	13	22.21	22.15	22.11			
5	QPSK	25	0	22.38	22.27	22.16	23	1	
5	QPSK	1	0	22.84	22.49	22.36			
5	16QAM	1	12	22.47	22.59	22.38			
5	16QAM	1	24	22.52	22.42	22.39	22	2	
5	16QAM	12	0	21.41	21.30	21.28			
5	16QAM	12	7	21.34	21.25	21.19			
5	16QAM	25	0	21.28	21.27	21.19	22	2	
5	16QAM	1	0	21.64	21.35	21.40			
5	16QAM	1	12	21.59	21.30	21.29			
5	16QAM	1	24	21.44	21.31	21.21	21	3	
5	16QAM	12	0	20.37	20.32	20.30			
5	16QAM	12	7	20.38	20.31	20.29			
5	16QAM	12	13	20.25	20.21	20.15	19	5	
5	16QAM	25	0	20.30	20.25	20.30			
5	256QAM	1	0	17.90	17.60	17.57			
5	256QAM	1	12	17.91	17.68	17.83	19	5	
5	256QAM	1	24	18.01	17.82	17.86			
5	256QAM	12	0	18.10	17.85	17.85			
5	256QAM	12	7	18.01	18.00	17.95	19	5	
5	256QAM	12	13	17.89	18.04	17.89			
5	256QAM	25	0	17.88	17.79	17.85			

Band 25_Ant 1									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.86	22.15	22.83	24	0	
20	QPSK	1	49	22.84	22.79	22.87			
20	QPSK	1	99	22.78	22.80	22.75			
20	QPSK	50	0	22.27	22.30	22.22	23	1	
20	QPSK	50	49	22.25	22.28	22.21			
20	QPSK	50	99	22.18	22.23	22.15			
20	QPSK	100	0	20.26	20.22	20.19	23	1	
20	QPSK	100	49	20.24	20.28	20.28			
20	QPSK	100	99	20.18	20.31	20.27			
20	QPSK	1	0	22.86	22.15	22.83	22	2	
20	QPSK	50	24	21.23	21.12	21.24			
20	QPSK	50	74	21.21	21.16	21.26			
20	QPSK	1	0	21.24	21.22	21.29	22	2	
20	QPSK	1	49	21.24	21.23	21.28			
20	QPSK	1	99	21.18	21.23	21.21			
20	QPSK	50	0	20.29	20.16	20.18	21	3	
20	QPSK	50	24	20.25	20.14	20.23			
20	QPSK	50	74	20.26	20.18	20.20			
20	QPSK	100	0	20.26	20.20	20.18	19	5	
20	QPSK	100	49	20.17	20.18	20.15			
20	QPSK	100	99	20.16	20.18	20.16			
20	QPSK	50	24	21.78	21.68	21.88	19	5	
20	QPSK	50	74	21.76	21.78	21.80			
20	QPSK	50	99	21.78	21.71	21.84			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.86	22.77	22.83	24	0	
15	QPSK	1	49	22.82	22.72	22.89			
15	QPSK	1	74	22.78	22.74	22.81			
15	QPSK	36	0	22.22	22.27	22.28	23	1	
15	QPSK	36	49	22.17	22.13	22.28			
15	QPSK	36	99	22.15	22.13	22.22			
15	QPSK	75	0	22.19	22.14	22.19	23	1	
15	QPSK	75	49	22.18	22.20	22.25			
15	QPSK	75	99	22.31	22.28	22.24			
15	QPSK	1	0	22.86	22.77	22.83	22	2	
15	QPSK	36	0	21.23	21.10	21.13			
15	QPSK	36	29	21.23	21.08	21.25			
15	QPSK	1	0	21.21	21.11	21.18	22	2	
15	QPSK	36	0	21.20	21.11	21.18			
15	QPSK	36	29	21.32	21.23	21.25			
15	QPSK	1	0	21.32	21.23	21.23	21	2	
15	QPSK	1	49	21.27	21.20	21.28			
15	QPSK	1	74	21.17	21.15	21.20			
15	QPSK	36	0	20.22	20.17	20.22	21	3	
15	QPSK	36	49	20.22	20.18	20.23			
15	QPSK	36	99	20.20	20.16	20.21			
15	QPSK	75	0	20.20	20.16	20.21	19	5	
15	QPSK	75	49	20.13	20.20	20.21			
15	QPSK	75	99	20.18	20.18	20.20			
15	QPSK	1	0	18.01	17.88	17.78	19	5	
15	QPSK	1	74	17.79	17.88	17.73			
15	QPSK	1	99	17.82	17.84	17.82			
15	QPSK	36	0	17.72	17.66	17.62	19	5	
15	QPSK	36	29	17.72	17.66	17.62			
15	QPSK	36	74	17.81	18.02	18.03			
15	QPSK	75	0	17.80	17.88	17.83			
15	QPSK	75	49	17.80	17.88	17.83			
15	QPSK	75	99	17.80	17.88	17.83			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.06	22.91	23.02	24	0	
10	QPSK	1	29	22.96	22.87	22.93			
10	QPSK	1	49	22.95	22.84	23.08			
10	QPSK	21	0	22.17	22.15	22.18	23	1	
10	QPSK	21	14	22.20	22.19	22.30			
10	QPSK	21	29	22.30	22.22	22.30			
10	QPSK	21	49	22.23	22.23	22.28	23	1	
10	QPSK	21	99	22.64	22.47	22.63			
10	QPSK	1	29	22.95	22.89	22.81			
10	QPSK	21	0	21.36	21.24	21.37	22	2	
10	QPSK	21	14	21.31	21.27	21.31			
10	QPSK	21	29	21.48	21.37	21.49			
10	QPSK	1	0	21.48	21.38	21.49	22	2	
10	QPSK	21	0	21.48	21.38	21.49			
10	QPSK	21	14	21.45	21.35	21.49			
10	QPSK	21	29	21.45	21.35	21.49	21	3	
10	QPSK	21	49	21.45	21.35	21.49			
10	QPSK	21	99	21.45	21.35	21.49			
10	QPSK	25	0	20.41	20.24	20.24	19	5	
10	QPSK	25	29	20.32	20.28	20.27			
10	QPSK	25	49	20.32	20.28	20.27			
10	QPSK	1	0	18.00	18.04	18.05	19	5	
10	QPSK	1	29	18.05	18.02	18.04			
10	QPSK	1	49	18.05	18.02	18.04			
10	QPSK	25	0	17.53	17.70	17.85	19	5	
10	QPSK	25	29	17.53	17.70	17.85			
10	QPSK	25	49	17.53	17.70	17.85			
10	QPSK	25	12	17.59	17.60	17.51	19	5	
10	QPSK	25	14	17.59	17.60	17.51			
10	QPSK	25	49	17.53	17.62	17.56			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.05	22.99	23.03	24	0	
5	QPSK	1	14	22.99	22.95	23.06			
5	QPSK	1	29	22.98	22.94	23.05			
5	QPSK	12	0	22.16	22.15	22.20	23	1	
5	QPSK	12	7	22.32	22.22	22.32			
5	QPSK	12	14	22.30	22.22	22.33			
5	QPSK	25	0	22.34	22.18	22.13	22	2	
5	QPSK	1	0	22.60	22.54	22.54			
5	QPSK	1	14	22.57	22.47	22.51			
5	QPSK	12	0	21.36	21.16	21.35	22	2	
5	QPSK	12	7	21.36	21.16	21.35			
5	QPSK	12	14	21.36	21.16	21.35			
5	QPSK	12	19	21.33	21.25	21.32	21	3	
5	QPSK	25	0	21.34	21.16	21.33			
5	QPSK	25	14	21.34	21.16	21.33			
5	QPSK	1	0	20.38	20.18	20.18	21	3	
5	QPSK	1	12	20.38	20.18	20.18			
5	QPSK	1	29	21.49	21.39	21.52			
5	QPSK	12	0	20.56	20.18	20.18	21	3	
5	QPSK	12	7	20.39	20.27	20.37			
5	QPSK	12	19	20.33	20.24	20.23			
5	QPSK	25	0	20.18	20.18	20.18	19	5	
5	QPSK	25	12	17.53	17.60	17.51			
5	QPSK	25	14	17.53	17.62	17.56			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.05	22.99	23.03	24	0	
3	QPSK	1	14	22.99	22.95	23.06			
3	QPSK	1	29	22.98	22.94	23.05			
3	QPSK	12	0	22.16	22.15	22.20	23	1	
3	QPSK	12	7	22.32	22.22	22.32			
3	QPSK	12	14	22.30	22.22	22.33			
3	QPSK	25	0	22.34	22.18	22.13	22	2	
3	QPSK	1	0	22.60	22.54	22.54			
3	QPSK	1	14	22.57	22.47	22.51			
3	QPSK	12	0	21.36	21.16	21.35	22	2	
3	QPSK	12	7	21.36	21.16	21.35			
3	QPSK	12	14	21.36	21.16	21.35			
3	QPSK	12	19	21.33	21.25	21.32	21	3	
3	QPSK	25	0	21.34	21.16	21.33			
3	QPSK	25	14	21.34	21.16	21.33			
3	QPSK	1	0	20.38	20.18	20.18	21	3	
3	QPSK	1	12	20.38	20.18	20.18			
3	QPSK	1	29	21.49	21.39	21.52			
3	QPSK	12	0	20.56	20.18	20.18	21	3	
3	QPSK	12	7	20.39	20.27	20.37			
3	QPSK	12	19	20.33	20.24	20.23			
3	QPSK	25	0	20.18	20.18	20.18	19	5	
3	QPSK	25	12	17.53	17.60	17.51			
3	QPSK	25	14	17.53	17.62	17.56			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.05	22.99	23.03	24	0	
1.4	QPSK	1	14	22.99	22.95	23.06			
1.4	QPSK	1	29	22.98	22.94	23.05			
1.4	QPSK	12	0	22.16	22.15	22.20	23	1	
1.4	QPSK	12	7	22.32	22.22	22.32			
1.4	QPSK	12	14	22.30	22.22	22.33			
1.4	QPSK	25	0	22.34	22.18	22.13	22	2	
1.4	QPSK	1	0	22.60	22.54	22.54			
1.4	QPSK	1	14	22.57	22.47	22.51			
1.4	QPSK	12	0	21.36	21.16	21.35	22	2	
1.4	QPSK	12	7	21.36	21.16	21.35			
1.4	QPSK	12	14	21.36	21.16	21.35			
1.4	QPSK	12	19	21.33	21.25	21.32	21	3	
1.4	QPSK	25	0	21.34	21.16	21.33			
1.4	QPSK	25	14	21.34	21.16	21.33			
1.4	QPSK	1	0	20.38	20.18	20.18	21	3	
1.4	QPSK	1	12	20.38	20.18	20.18			
1.4	QPSK	1	29	21.49	21.39	21.52			
1.4	QPSK	12	0	20.56	20.18	20.18	21	3	
1.4	QPSK	12	7	20.39	20.27	20.37			
1.4	QPSK	12	19	20.33	20.24	20.23			
1.4	QPSK	25	0	20.18	20.18	20.18	19	5	
1.4	QPSK	25	12	17.53	17.60	17.51			
1.4	QPSK	25	14	17.53	17.62	17.56			
Channel									
Frequency (MHz)									
0.3	QPSK	1	0	23.05	22.99	23.03	24	0	
0.3	QPSK	1	14	22.99	22.95	23.06			
0.3	QPSK	1	29	22.98	22.94	23.05			
0.3	QPSK	12	0	22.16	22.15	22.20	23	1	
0.3	QPSK	12	7	22.32	22.22	22.32			
0.3	QPSK	12	14	22.30	22.22	22.33			
0.3	QPSK	25	0	22.34	22.18	22.13	22	2	
0.3	QPSK	1	0	22.60	22.54	22.54			
0.3	QPSK	1	14	22.57	22.47	22.51			
0.3	QPSK	12	0	21.36	21.16	21.35	22	2	
0.3	QPSK	12	7	21.36	21.16	21.35			
0.3									

Band 30_Ant 7												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Mid Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up limit (dB)	APRS (dB)				
Channel												
Frequency (MHz)												
16	QPSK	1	0	22.69	22.69	22.69	24	0				
16	QPSK	1	24	22.10	22.10	22.10						
16	QPSK	1	48	22.79	22.79	22.79						
16	QPSK	25	0	22.13	22.13	22.13						
16	QPSK	25	12	22.12	22.12	22.12	23	1				
16	QPSK	25	24	22.11	22.11	22.11						
16	QPSK	50	0	22.05	22.05	22.05						
16	QPSK	50	12	22.05	22.05	22.05						
16	16QAM	1	0	21.94	21.94	21.94	23	1				
16	16QAM	1	24	22.79	22.79	22.79						
16	16QAM	1	48	22.88	22.88	22.88						
16	16QAM	25	0	21.63	21.63	21.63						
16	16QAM	25	12	21.25	21.25	21.25	22	2				
16	16QAM	25	24	21.25	21.25	21.25						
16	16QAM	50	0	21.07	21.07	21.07						
16	16QAM	50	12	21.24	21.24	21.24						
16	64QAM	1	0	21.95	21.95	21.95	22	2				
16	64QAM	1	24	20.86	20.86	20.86						
16	64QAM	25	0	20.13	20.13	20.13						
16	64QAM	25	12	20.14	20.14	20.14						
16	64QAM	25	24	20.06	20.06	20.06	21	3				
16	64QAM	50	0	20.19	20.19	20.19						
16	64QAM	50	12	20.19	20.19	20.19						
16	64QAM	50	24	20.19	20.19	20.19						
16	256QAM	1	0	17.67	17.67	17.67	19	5				
16	256QAM	1	24	17.56	17.56	17.56						
16	256QAM	1	48	17.50	17.50	17.50						
16	256QAM	25	0	17.58	17.58	17.58						
16	256QAM	25	12	17.43	17.43	17.43	19	5				
16	256QAM	25	24	17.41	17.41	17.41						
16	256QAM	25	48	17.41	17.41	17.41						
16	256QAM	50	0	17.49	17.49	17.49						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.64	22.68	22.81	24	0				
5	QPSK	1	12	23.06	22.84	22.84						
5	QPSK	1	24	22.83	22.76	22.88						
5	QPSK	12	0	22.08	22.01	22.13						
5	QPSK	12	7	22.14	22.08	22.13	23	1				
5	QPSK	12	13	22.01	22.10	22.08						
5	QPSK	25	0	22.08	22.04	22.09						
5	QPSK	25	12	22.32	21.94	22.37						
5	16QAM	1	12	22.35	22.30	22.39	23	1				
5	16QAM	1	24	22.32	22.08	22.32						
5	16QAM	12	0	20.96	21.11	21.11						
5	16QAM	12	7	21.23	21.19	21.24						
5	16QAM	12	13	21.43	21.40	21.39	22	2				
5	16QAM	25	0	21.12	21.18	21.09						
5	64QAM	1	0	21.38	21.18	21.11						
5	64QAM	1	12	21.43	21.40	21.39						
5	64QAM	1	24	21.13	21.17	21.45	21	3				
5	64QAM	12	0	20.14	20.25	20.35						
5	64QAM	12	7	20.06	20.22	20.13						
5	64QAM	12	13	20.39	20.23	20.29						
5	64QAM	25	0	20.14	20.05	20.16	19	5				
5	256QAM	1	0	17.66	17.73	17.83						
5	256QAM	1	12	17.60	17.86	17.80						
5	256QAM	1	24	17.82	17.80	17.87						
5	256QAM	12	0	17.56	17.59	18.06	19	5				
5	256QAM	12	7	17.79	17.80	17.81						
5	256QAM	12	13	18.07	17.83	17.79						
5	256QAM	25	0	18.04	17.53	17.64						

Band 66_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Mid Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up limit (dB)	APRS (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.16	22.94	22.81	24	0				
20	QPSK	1	48	23.05	22.79	22.81						
20	QPSK	1	96	22.85	22.79	22.87						
20	QPSK	50	0	22.35	22.25	22.10						
20	QPSK	50	24	22.23	22.12	21.97	23	1				
20	QPSK	50	50	22.13	22.09	21.94						
20	QPSK	100	0	22.23	22.09	22.05						
20	16QAM	1	0	22.84	22.16	22.26						
20	16QAM	1	48	22.56	22.28	22.04	23	1				
20	16QAM	1	96	22.55	22.09	22.15						
20	16QAM	50	0	21.37	21.19	20.97						
20	16QAM	50	24	21.31	21.17	20.94	22	2				
20	16QAM	50	50	21.19	21.06	21.06						
20	16QAM	100	0	21.29	21.14	20.99						
20	64QAM	1	0	21.37	21.61	21.37	22	2				
20	64QAM	1	48	21.60	20.92	20.86						
20	64QAM	1	96	21.20	20.77	20.91						
20	64QAM	50	0	20.23	20.25	20.11						
20	64QAM	50	24	20.35	20.16	20.06	21	3				
20	64QAM	50	50	20.06	19.85	20.05						
20	64QAM	100	0	20.31	20.32	20.08						
20	256QAM	1	0	17.81	17.58	17.53	19	5				
20	256QAM	1	48	17.85	17.47	17.39						
20	256QAM	1	96	17.74	17.42	17.34						
20	256QAM	25	0	17.86	17.44	17.31						
20	256QAM	25	12	17.90	17.82	17.62	19	5				
20	256QAM	25	24	17.84	17.64	17.34						
20	256QAM	50	0	17.87	17.61	17.52						
20	256QAM	100	0	17.87	17.61	17.52						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.83	22.81	22.87	24	0				
15	QPSK	1	24	22.81	22.79	22.71						
15	QPSK	1	74	22.81	22.68	22.81						
15	QPSK	36	0	22.24	22.14	21.85						
15	QPSK	36	12	22.17	22.11	21.87	23	1				
15	QPSK	36	36	22.08	22.02	21.98						
15	QPSK	75	0	22.17	22.09	21.94						
15	16QAM	1	0	22.58	22.38	22.38						
15	16QAM	1	37	22.57	22.27	22.29	23	1				
15	16QAM	1	74	22.41	22.14	21.94						
15	16QAM	36	0	21.26	21.13	20.93						
15	16QAM	36	20	21.18	21.07	20.92						
15	16QAM	36	37	21.28	21.15	21.08	22	2				
15	16QAM	75	0	21.16	21.07	20.93						
15	64QAM	1	0	21.14	21.24	21.05						
15	64QAM	1	37	20.94	20.15	20.84						
15	64QAM	1	74	21.17	20.90	20.92	21	3				
15	64QAM	36	0	19.86	20.15	19.87						
15	64QAM	36	20	19.86	19.83	19.83						
15	64QAM	36	36	20.11	19.73	19.71						
15	64QAM	75	0	19.95	20.08	19.94	19	5				
15	256QAM	1	0	18.06	18.05	18.05						
15	256QAM	1	37	17.51	17.88	17.52						
15	256QAM	1	74	17.81	17.82	17.81						
15	256QAM	36	0	17.86	17.86	17.86	19	5				
15	256QAM	36	20	18.03	17.81	17.53						
15	256QAM	36	39	17.83	18.05	17.55						
15	256QAM	75	0	17.78	17.47	17.57						
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.11	22.91	22.87	24	0				
10	QPSK	1	24	23.09	22.85	22.85						
10	QPSK	1	48	22.98	22.79	22.74						
10	QPSK	1	72	22.84	22.64	22.61						
10	QPSK	25	12	22.33	22.23	22.13	23	1				
10	QPSK	25	24	22.26	22.20	22.11						
10	QPSK	25	36	22.24	22.20	22.15						
10	QPSK	50	0	22.57	22.50	22.42						
10	16QAM	1	0	22.97	22.68	22.68	23	1				
10	16QAM	1	24	22.96	22.58	22.54						
10	16QAM	25	0	21.45	21.26	21.11						
10	16QAM	25	12	21.38	21.19	21.04						
10	16QAM	25	24	21.31	21.13	21.01	22	2				
10	16QAM	50	0	21.29	21.10	21.03						
10	16QAM	50	12	21.23	21.05	20.97						
10	16QAM	100	0	21.21	21.03	20.93						
10	64QAM	1	0	20.92	21.30	21.03	22	2				
10	64QAM	1	48	21.31	21.00	20.91						
10	64QAM	1	96	21.14	21.43	21.11						
10	64QAM	25	0	19.86	20.26	19.83						
10	64QAM	25	12	19.86	20.26	19.83	21	3				
10	64QAM	25	24	19.84	19.88	19.82						
10	64QAM	50	0	20.22	20.20	20.06						
10	256QAM	1	0	17.92	17.76	18.01						
10	256QAM	1	24	17.88	17.68	17.93	19	5				
10	256QAM	1	25	18.03	17.58	17.57						
10	256QAM	1	48	17.92	17.68	17.93						
10	256QAM	25	0	17.84	18.07	17.78						
10	256QAM	25	12	17.82	18.03	17.68						
10	256QAM	25	24	17.83	17.82	17.68						
10	256QAM	50	0	17.87	17.60	17.71						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.15	22.91	22.84	24	0				
5	QPSK	1	12	23.13	22.82	22.85						
5	QPSK	1	24	23.07	22.87	22.81						
5	QPSK	1	25	22.98	22.80	22.69						
5	QPSK	12	0	22.38	22.20	22.12	23	1				
5	QPSK	12	12	22.38	22.19	22.12						
5	QPSK	12	24	22.37	22.17	22.12						
5	QPSK	25	0	22.38	22.16	22.08						
5	16QAM	1	0	22.73	22.54	22.34	23	1				
5	16QAM	1	12	22.79	22.59	22.34						
5	16QAM	12	0	21.42	21.17	21.12						
5	16QAM	12	12	21.41	21.19	21.13						
5	16QAM	12	24	21.37	21.15	21.10	22	2				
5	16QAM	25	0	21.41	21.22	21.10						
5	16QAM	25	12	21.52	21.37	21.18						
5	16QAM	12	18	21.38	21.15	21.10						
5	16QAM	25	24	21.41	21.22	21.10	22	2				
5	16QAM	50	0	21.42	21.23	21.13						
5	16QAM	50	12	21.51	21.33	21.18						
5	16QAM	100	0	21.42	21.23	21.13						
5	64QAM	1	0	19.79	20.25	19.85	21	3				
5	64QAM	12	7	19.74	20.24	19.78						
5	64QAM	12	18	19.80	20.20	19.83						
5	64QAM	25	0	19.71	20.17	19.77						
5	64QAM	1	0	17.72	17.68	17.75	19	5				
5	64QAM	1	12	17.64	17.68	17.75						
5	64QAM	1	24	17.66	17.79	17.73						
5	64QAM	12	0	17.57	17.67	17.58						
5	64QAM	12	12	17.60	17.63	17.63						
5	256QAM	12	18	17.52	17.62	17.68						
5	256QAM	25	0	17.89	17.67	17.87						
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.15	22.91	22.84	24	0				
3	QPSK	1	12	23.13	22.82	22.85						
3	QPSK	1	24	23.07	22.87	22.81						
3	QPSK	1	25	22.98	22.80	22.69						
3	QPSK	1	14	23.09	22.85	22.80	23	1				
3	QPSK	1	48	22.95	22.75	22.78						
3	QPSK	1	72	22.84	22.64	22.61						
3	QPSK	25	0	22.33	22.15	22.08						
3	QPSK	25	12	22.26	22.10	22.03	23	1				
3	QPSK	25	24	22.26	22.10	22.05						
3	QPSK	50	0	22.57	22.50	22.42						
3	QPSK	50	24	22.46	22.18	22.05						
3	16QAM	1	0	22.75	22.42	22.32	23	1				
3	16QAM	1	14	22.69	22.39	22.33						
3	16QAM	1	28	22.61	22.14	22.14						
3	16QAM	25	0	21.45	21.24	21.12						
3	16QAM	25	14	21.42	21.21	21.08	22	2				
3	16QAM	50	0	21.40	21.20	21.07						
3	16QAM	50	14	21.50	21.37	21.18						
3	16QAM	100	0	20.90	21.32	20.88						
3	64QAM	1	0	20.84	21.40	20.95	22	2				
3	64QAM	1	14	20.99	21.40	21.00						
3	64QAM	1	28	20.94	21.36	21.00						
3	64QAM	25	0	19.74	20.22	19.72						
3	64QAM	1	0	19.72	20.23	19.71	21	3				
3	64QAM	1	14	19.76	20.21	19.71						
3	64QAM	1	28	19.71	20.18	19.71						
3	64QAM	25	0	19.67	20.20	19.78						
3	64QAM	25	14	19.70	20.18	19.71						
3	64QAM	50	0	19.67	19.77	19.71						
3	256QAM	1	0	17.67	17.78	17.75	19	5				
3	256QAM	1	14	17.67	17.68	17.73						
3	256QAM	1	28	17.67	17.78	17.73						
3	256QAM	14	0	17.67	17.68	17.73						
3	256QAM	14	14	17.67	17.78	17.73						
3	256QAM	28	0	17.67	17.78	17.73						
3	256QAM	28	14	17.67	17.78	17.73						
3	256QAM	56	0	17.67	17.78	17.73						
3	256QAM	56	14	17.67	17.78	17.73						
3	256QAM	112	0	17.67	17.78	17.73						
3	256QAM	112	14	17.67	17.78	17.73						
3	256QAM	224	0	17.67	17.78	17.73						
3	256QAM	224	14	17.67	17.78	17.73						
3	256QAM	448	0	17.67	17.78	17.73						
3	256QAM	448	14	17.67	17.78	17.73						
3	256QAM	896	0	17.67	17.78	17.73						
3	256QAM	896	14	17.67	17.78	17.73						
3	256QAM	1792	0	17.67	17.78	17.73						
3	256QAM	1792	14	17.67	17.78	17.73						
3	256QAM	3584	0	17.67	17.78	17.73						
3	256QAM	3584	14	17.67	17.78	17.73						
3	256QAM	7168	0	17.67	17.78	17.73						
3	256QAM	7168	14	17.67	17.78	17.73						
3	256QAM	14336	0	17.67	17.78	17.73						
3	256QAM	14336	14	17.67	17.78	17.73						
3	256QAM	28672	0	17.67	17.78	17.73						
3	256QAM	28672	14	17.67	17.78	17.73						
3	256QAM	57344	0	17.67	17.78							

Band 38_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co. (Freq.)	Power Middle Co. (Freq.)	Power High Co. (Freq.)	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.59	22.62	22.63	24	0		
20	QPSK	1	49	22.69	22.72	22.73				
20	QPSK	1	99	22.79	22.82	22.83				
20	QPSK	50	0	21.92	21.68	21.76				
20	QPSK	50	24	21.86	21.62	21.73	23	1		
20	QPSK	50	50	21.82	21.65	21.80				
20	QPSK	100	0	21.94	21.74	21.73				
20	16QAM	1	0	22.06	22.05	21.81				
20	16QAM	1	49	22.09	22.03	21.82	23	1		
20	16QAM	1	99	22.18	21.87	22.20				
20	16QAM	50	0	20.96	20.94	20.64				
20	16QAM	50	24	20.91	20.85	20.80				
20	16QAM	50	50	20.86	20.76	20.74	22	2		
20	16QAM	100	0	20.97	20.51	20.59				
20	64QAM	1	0	20.97	20.79	20.96				
20	64QAM	1	49	20.92	20.68	20.90		22	2	
20	64QAM	1	99	20.81	20.69	20.92				
20	64QAM	50	0	19.85	19.64	19.74				
20	64QAM	50	24	20.01	19.68	19.82	21	3		
20	64QAM	50	50	19.86	19.71	19.96				
20	64QAM	100	0	19.81	19.54	19.82				
20	256QAM	1	0	17.48	17.45	17.41				
20	256QAM	1	49	17.49	17.47	17.31	19	5		
20	256QAM	1	99	17.50	17.36	17.22				
20	256QAM	50	0	17.62	17.21	17.36				
20	256QAM	50	24	17.87	17.73	17.72				
20	256QAM	50	50	17.76	17.69	17.55	19	5		
20	256QAM	100	0	17.77	17.62	17.26				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.80	22.49	22.49	24	0		
15	QPSK	1	49	22.74	22.41	22.41				
15	QPSK	1	74	22.54	22.64	22.48				
15	QPSK	36	0	21.74	21.66	21.64				
15	QPSK	36	39	21.85	21.73	21.88	23	1		
15	QPSK	36	75	21.90	21.86	21.63				
15	QPSK	75	0	21.79	21.64	21.66				
15	16QAM	1	0	22.07	21.84	21.78				
15	16QAM	1	37	22.08	22.09	21.86	23	1		
15	16QAM	1	74	22.23	21.87	21.82				
15	16QAM	36	0	20.92	20.66	20.65				
15	16QAM	36	39	20.97	20.75	20.65				
15	16QAM	36	75	20.94	20.32	20.68	22	2		
15	16QAM	75	0	21.01	20.59	20.80				
15	64QAM	1	0	20.97	20.79	20.96				
15	64QAM	1	37	20.74	20.64	20.64				
15	64QAM	1	74	21.20	20.90	20.56	22	2		
15	64QAM	36	0	20.96	20.74	20.74				
15	64QAM	36	20	19.90	19.61	19.71				
15	64QAM	36	39	19.96	19.76	19.75		21	3	
15	64QAM	75	0	20.00	19.49	19.73				
15	256QAM	1	0	17.68	17.47	17.48				
15	256QAM	1	37	17.62	17.60	17.77	19	5		
15	256QAM	1	74	17.48	17.72	17.47				
15	256QAM	36	0	17.62	17.72	17.62				
15	256QAM	36	20	17.75	17.76	17.54				
15	256QAM	36	39	17.60	17.58	17.66	19	5		
15	256QAM	75	0	17.71	17.68	17.66				
15	256QAM	75	0	17.71	17.68	17.66				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.88	22.65	22.74	24	0		
10	QPSK	1	49	22.98	22.76	22.87				
10	QPSK	1	99	22.98	22.76	22.87				
10	QPSK	25	0	21.86	21.84	21.95				
10	QPSK	25	0	21.90	21.88	21.88	23	1		
10	QPSK	25	25	22.09	21.88	21.88				
10	QPSK	50	0	22.02	21.84	21.75				
10	16QAM	1	0	22.21	21.98	21.92				
10	16QAM	1	25	22.02	22.12	21.85	23	1		
10	16QAM	1	49	22.13	22.00	22.00				
10	16QAM	25	0	21.01	20.84	20.94				
10	16QAM	25	12	21.14	21.04	20.87				
10	16QAM	25	25	21.13	20.86	20.86	22	2		
10	16QAM	50	0	21.15	20.79	20.80				
10	64QAM	1	0	21.29	20.95	20.97				
10	64QAM	1	25	21.15	20.79	21.08				
10	64QAM	1	49	21.03	21.03	20.94	21	3		
10	64QAM	25	0	20.25	19.86	19.81				
10	64QAM	25	12	20.08	19.95	19.95				
10	64QAM	25	25	19.95	19.76	19.82				
10	64QAM	50	0	20.17	19.91	19.92	19	5		
10	256QAM	1	0	17.68	17.67	17.67				
10	256QAM	1	25	17.71	17.47	17.74				
10	256QAM	1	49	17.64	17.68	17.52				
10	256QAM	25	0	17.58	17.51	17.80	19	5		
10	256QAM	25	12	17.69	17.69	17.47				
10	256QAM	25	25	17.70	17.54	17.49				
10	256QAM	50	0	17.45	17.48	17.54				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.90	22.45	22.48	24	0		
5	QPSK	1	12	22.75	22.51	22.51				
5	QPSK	1	24	22.66	22.46	22.76				
5	QPSK	12	0	21.88	21.93	21.97				
5	QPSK	12	7	22.12	21.70	21.70	23	1		
5	QPSK	12	13	21.90	21.84	21.86				
5	QPSK	25	0	21.90	21.85	21.67				
5	16QAM	1	12	21.79	22.11	21.58				
5	16QAM	1	24	22.53	21.72	22.20	22	2		
5	16QAM	12	0	20.82	20.62	21.03				
5	16QAM	12	7	21.17	20.47	20.75				
5	16QAM	12	13	20.85	20.51	20.62				
5	16QAM	25	0	20.98	20.86	20.93	22	2		
5	64QAM	1	0	20.95	20.63	20.94				
5	64QAM	1	12	21.09	20.88	20.89				
5	64QAM	1	24	21.22	20.85	20.92				
5	64QAM	12	0	20.13	19.74	19.80	21	3		
5	64QAM	12	7	20.08	19.89	19.90				
5	64QAM	12	13	20.14	19.81	19.98				
5	64QAM	25	0	20.86	19.81	20.00				
5	256QAM	1	0	17.60	17.69	17.46	19	5		
5	256QAM	1	12	17.71	17.41	17.81				
5	256QAM	1	24	17.57	17.41	17.66				
5	256QAM	12	0	17.74	17.56	17.65				
5	256QAM	12	7	17.69	17.52	17.62	19	5		
5	256QAM	12	13	17.54	17.47	17.67				
5	256QAM	25	0	17.61	17.74	17.42				

Band 41_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid-High Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.52	22.84	22.40	22.56	22.84	24	0	
20	QPSK	1	49	22.46	22.95	22.57	22.70	22.90			
20	QPSK	1	99	22.81	23.14	22.70	22.74	22.84			
20	QPSK	50	0	21.12	21.17	21.84	21.93	22.05			
20	QPSK	50	24	21.85	21.74	21.81	21.90	22.04	23	1	
20	QPSK	50	50	21.83	21.85	21.74	21.81	21.94			
20	QPSK	100	0	21.57	21.56	21.58	21.56	21.82			
20	16QAM	1	0	21.89	21.97	21.84	21.91	22.03			
20	16QAM	1	49	21.89	21.95	21.74	21.81	22.04	23	1	
20	16QAM	1	99	22.01	21.91	21.90	22.00	22.13			
20	16QAM	50	0	20.93	21.09	20.57	20.59	20.98			
20	16QAM	50	24	20.86	21.03	20.94	20.95	21.08			
20	16QAM	50	50	20.86	20.98	20.80	20.81	21.17	22	2	
20	16QAM	100	0	20.81	20.79	20.55	20.81	20.97			
20	64QAM	1	0	20.91	20.70	20.19	20.54	20.76			
20	64QAM	1	49	20.97	20.65	20.44	20.56	20.84		22	2
20	64QAM	1	99	20.45	20.71	20.48	20.17	20.83			
20	64QAM	50	0	19.73	20.01	19.49	19.53	19.71			
20	64QAM	50	24	19.91	19.95	19.86	19.88	20.02			
20	64QAM	50	50	19.86	20.00	19.81	19.87	20.07	21	3	
20	64QAM	100	0	19.80	20.02	19.56	19.65	20.05			
20	256QAM	1	0	18.71	18.90	18.44	17.74	17.88			
20	256QAM	1	49	17.82	18.02	17.74	17.76	17.87			
20	256QAM	1	99	17.84	17.81	17.68	17.72	18.00	20	5	
20	256QAM	50	0	18.22	18.23	18.09	18.05	18.21			
20	256QAM	50	24	18.13	18.10	17.73	17.86	18.32			
20	256QAM	50	50	18.13	18.10	18.01	17.99	18.22			
20	256QAM	100	0	17.89	18.09	18.05	18.09	18.18			
Channel											
Frequency (MHz)											
19	QPSK	1	0	22.75	23.01	22.68	22.59	22.83	24	0	
19	QPSK	1	37	22.74	22.45	22.72	22.52	22.87			
19	QPSK	1	74	22.54	22.00	22.82	22.80	23.03			
19	QPSK	36	0	21.80	21.96	21.80	21.72	21.70			
19	QPSK	36	20	21.86	21.72	21.40	21.76	21.96	23	1	
19	QPSK	36	39	21.79	21.78	21.64	21.44	21.96			
19	QPSK	75	0	21.56	21.89	21.86	21.74	21.98			
19	16QAM	1	0	21.92	22.05	21.84	21.90	22.04			
19	16QAM	1	37	21.79	22.11	21.86	21.70	21.91	23	1	
19	16QAM	1	74	21.84	22.16	21.96	21.93	22.15			
19	16QAM	36	0	20.59	20.86	20.50	20.72	20.89			
19	16QAM	36	20	20.74	20.77	20.44	20.77	20.81			
19	16QAM	36	39	20.67	20.87	20.75	20.56	21.03	22	2	
19	16QAM	75	0	20.20	20.10	20.54	20.50	21.00			
19	16QAM	75	0	20.24	20.80	20.11	20.45	20.90			
19	64QAM	1	0	20.49	20.49	20.42	20.42	20.86		22	2
19	64QAM	1	37	20.49	20.49	20.42	20.42	20.86			
19	64QAM	1	74	20.56	20.66	20.50	20.31	20.86			
19	64QAM	36	0	19.64	20.02	19.76	19.82	19.96			
19	64QAM	36	20	19.88	19.94	19.63	19.75	19.95	21	3	
19	64QAM	36	39	19.61	19.72	19.72	19.84	20.00			
19	64QAM	75	0	18.72	18.83	19.48	19.42	19.75			
19	64QAM	75	0	17.56	17.43	17.62	17.62	17.79			
19	256QAM	1	37	17.53	17.52	17.79	17.53	17.64	19	5	
19	256QAM	1	74	17.79	17.67	17.74	17.75	17.62			
19	256QAM	36	0	17.81	17.86	17.89	17.44	17.64			
19	256QAM	36	20	17.54	17.62	17.44	17.62	17.89			
19	256QAM	36	39	17.50	17.78	17.46	17.82	17.43	19	5	
19	256QAM	75	0	17.71	17.46	17.47	17.78	17.62			
Channel											
Frequency (MHz)											
19	QPSK	1	0	22.61	22.67	22.93	22.93	22.65	24	0	
19	QPSK	1	49	22.53	23.12	22.99	22.69	23.03			
19	QPSK	1	99	22.86	22.93	23.18	22.93	23.01			
19	QPSK	25	0	21.80	21.89	21.52	21.63	21.76			
19	QPSK	25	12	22.50	22.14	21.52	21.63	21.76	23	1	
19	QPSK	25	25	21.80	22.11	21.51	21.73	22.32			
19	QPSK	50	0	21.84	21.91	21.92	21.92	22.00			
19	16QAM	1	0	22.10	22.16	21.88	21.89	22.22			
19	16QAM	1	49	22.07	22.31	21.58	21.62	21.90	23	1	
19	16QAM	1	99	22.02	22.11	21.87	21.92	22.20			
19	16QAM	25	0	20.83	21.03	20.63	20.56	21.10			
19	16QAM	25	12	21.68	21.24	20.37	20.41	21.10			
19	16QAM	25	25	20.89	21.06	20.84	20.79	21.06	22	2	
19	16QAM	50	0	20.98	20.73	20.70	20.68	20.85			
19	16QAM	50	12	20.81	20.79	20.77	20.72	21.01			
19	64QAM	1	25	20.99	20.89	20.55	20.49	20.85		22	2
19	64QAM	1	49	20.55	20.81	20.56	20.59	21.09			
19	64QAM	25	0	20.07	20.18	20.00	19.94	20.36			
19	64QAM	25	12	20.05	20.28	20.04	20.00	20.39			
19	64QAM	25	25	20.07	20.20	20.02	19.95	20.33	21	3	
19	64QAM	50	0	19.82	20.16	20.01	19.92	20.18			
19	64QAM	50	12	19.76	19.76	17.47	17.47	17.47			
19	256QAM	1	25	17.70	17.47	17.70	17.76	17.86			
19	256QAM	1	49	17.81	17.72	17.79	17.64	17.42	19	5	
19	256QAM	1	99	17.80	17.68	17.78	17.64	17.42			
19	256QAM	25	12	17.79	17.77	17.40	17.48	17.47			
19	256QAM	25	25	17.67	17.49	17.65	17.43	17.65			
Channel											
Frequency (MHz)											
19	QPSK	1	0	22.69	22.63	22.93	22.93	22.57	24	0	
19	QPSK	1	12	22.64	22.72	22.80	22.74	22.96			
19	QPSK	1	24	22.54	22.84	22.87	22.53	23.07			
19	QPSK	12	0	21.67	22.13	21.55	21.84	21.74			
19	QPSK	12	12	22.40	22.23	21.58	22.23	22.25	23	1	
19	QPSK	12	13	21.82	22.14	21.58	21.83	22.23			
19	QPSK	25	0	21.88	21.91	21.94	21.82	21.83			
19	16QAM	1	0	21.72	22.01	21.63	21.63	22.13			
19	16QAM	1	12	21.56	21.82	21.53	21.84	21.87	23	1	
19	16QAM	1	24	21.66	22.39	21.68	22.07	22.20			
19	16QAM	12	0	20.57	20.83	20.54	20.54	20.79			
19	16QAM	12	7	20.92	20.91	20.86	20.86	21.15			
19	16QAM	12	13	20.90	21.12	20.89	20.75	21.13	22	2	
19	16QAM	25	0	20.34	21.07	20.01	20.89	21.17			
19	16QAM	25	12	20.79	20.83	20.74	20.74	20.79			
19	64QAM	1	12	20.82	20.71	20.93	20.45	20.90		21	3
19	64QAM	1	24	20.86	20.79	20.49	20.45	20.83			
19	64QAM	12	0	19.86	19.91	19.62	19.81	20.36			
19	64QAM	12	7	19.90	20.37	19.86	19.96	20.33			
19	64QAM	12	13	19.71	20.10	19.96	19.85	20.13	19	5	
19	64QAM	12	5	19.89	20.54	19.87	19.86	20.14			
19	256QAM	1	12	17.74	17.67	17.70	17.56	17.44			
19	256QAM	1	24	17.77	17.60	17.67	17.51	17.47			
19	256QAM	12	13	17.47	17.70	17.77	17.77	17.43	19	5	
19	256QAM	12	5	17.89	17.86	17.55	17.45	17.81			
19	256QAM	12	7	17.80	17.76	17.82	17.85	17.67			
19	256QAM	12	13	17.83	17.58	17.63	17.76	17.68			



Reduced Power Mode for WWAN
DSI2

Band 2_Ant 2													
RF (MHz)	Modulation	RB Size	RB Offset	Power Low 18750	Power Med 18900	Power High 19050	Power High 19200	Turn-up Time (sec)	MPR (dB)				
Channel													
Frequency (MHz)													
20	QPSK	1	0	21.02	20.97	20.94		23	0				
20	QPSK	1	49	20.99	20.88	20.86							
20	QPSK	1	99	20.95	20.83	20.83							
20	QPSK	50	0	21.01	20.92	20.93							
20	QPSK	50	24	20.94	20.89	20.86		22	0				
20	QPSK	50	50	20.78	20.70	20.67							
20	QPSK	100	0	20.91	20.80	20.79							
20	16QAM	1	0	20.94	20.93	20.96							
20	16QAM	1	49	20.94	20.85	20.86		22	0				
20	16QAM	1	99	21.01	20.98	20.96							
20	16QAM	50	0	20.90	20.79	20.78							
20	16QAM	50	24	20.90	20.79	20.79							
20	16QAM	50	50	20.74	20.73	20.64		22	0				
20	16QAM	100	0	20.90	20.80	20.78							
20	64QAM	1	0	21.01	20.90	20.92							
20	64QAM	1	49	20.95	20.92	20.96		22	0				
20	64QAM	1	99	20.76	20.80	20.78							
20	64QAM	50	0	20.20	20.08	20.10							
20	64QAM	50	24	20.18	20.06	20.15		21	1				
20	64QAM	50	50	20.04	20.05	20.13							
20	64QAM	100	0	20.17	20.07	20.05							
20	256QAM	1	0	17.54	17.34	17.43		19	3				
20	256QAM	1	49	17.66	17.49	17.57							
20	256QAM	1	99	17.53	17.22	17.26							
20	256QAM	50	0	17.74	17.62	17.42							
20	256QAM	50	24	17.68	17.47	17.63		19	3				
20	256QAM	50	50	17.43	17.73	17.62							
20	256QAM	100	0	17.67	17.77	17.68							
Channel													
1857.5 1860 1862.5													
15	QPSK	1	0	20.89	20.88	20.94		22	0				
15	QPSK	1	37	20.88	20.86	20.89							
15	QPSK	1	74	20.81	20.84	20.75							
15	QPSK	36	0	20.93	20.93	20.91							
15	QPSK	36	20	20.91	20.90	20.82		22	0				
15	QPSK	36	39	20.70	20.68	20.70							
15	QPSK	75	0	20.62	20.62	20.69							
15	16QAM	1	0	20.87	20.81	20.81							
15	16QAM	1	37	20.92	20.87	20.87		22	0				
15	16QAM	1	74	20.93	20.97	20.87							
15	16QAM	36	0	20.88	20.88	20.87							
15	16QAM	36	20	20.89	20.88	20.82							
15	16QAM	36	39	20.73	20.60	20.73		22	0				
15	16QAM	75	0	20.84	20.86	20.82							
15	64QAM	1	0	20.88	20.88	20.97							
15	64QAM	1	37	20.90	20.91	20.94		22	0				
15	64QAM	1	74	20.70	20.83	20.88							
15	64QAM	36	0	20.16	20.15	20.13							
15	64QAM	36	20	20.12	20.17	20.06		21	1				
15	64QAM	36	39	19.93	19.90	20.00							
15	64QAM	75	0	20.14	20.09	20.03							
15	256QAM	1	0	17.42	17.49	17.41		19	3				
15	256QAM	1	37	17.58	17.54	17.51							
15	256QAM	1	74	17.52	17.43	17.45							
15	256QAM	36	0	17.72	17.62	17.60							
15	256QAM	36	20	17.61	17.61	17.60		19	3				
15	256QAM	36	39	17.27	17.42	17.27							
15	256QAM	75	0	17.56	17.47	17.45							
Channel													
1860 1860 1860 1860													
10	QPSK	1	0	20.88	20.88	20.99		22	0				
10	QPSK	1	29	20.85	20.86	20.89							
10	QPSK	1	49	20.73	20.78	20.83							
10	QPSK	25	0	20.93	20.99	20.91							
10	QPSK	25	12	20.93	20.81	20.82		22	0				
10	QPSK	25	25	20.71	20.68	20.68							
10	QPSK	50	0	20.85	20.87	20.87							
10	16QAM	1	0	20.81	20.81	20.88							
10	16QAM	1	25	20.80	20.90	20.91		22	0				
10	16QAM	1	49	20.88	20.87	20.89							
10	16QAM	25	0	20.82	20.87	20.88							
10	16QAM	25	12	20.86	20.89	20.86		22	0				
10	16QAM	25	25	20.75	20.87	20.86							
10	16QAM	50	0	20.84	20.78	20.79							
10	64QAM	1	0	20.92	20.90	20.96		22	0				
10	64QAM	1	25	20.92	20.94	20.96							
10	64QAM	1	49	20.69	20.84	20.86							
10	64QAM	25	0	20.19	20.08	20.15		21	1				
10	64QAM	25	12	20.15	20.07	20.17							
10	64QAM	25	25	19.94	19.93	20.03							
10	64QAM	50	0	20.11	20.11	20.12							
10	256QAM	1	0	17.51	17.51	17.58		19	3				
10	256QAM	1	25	17.54	17.51	17.55							
10	256QAM	1	49	17.42	17.40	17.51							
10	256QAM	25	0	17.73	17.54	17.62							
10	256QAM	25	12	17.68	17.52	17.59		19	3				
10	256QAM	25	25	17.37	17.27	17.36							
10	256QAM	50	0	17.63	17.53	17.58							
Channel													
1862.5 1860 1862.5													
5	QPSK	1	0	20.93	20.99	20.96		22	0				
5	QPSK	1	12	20.87	20.96	20.94							
5	QPSK	1	24	20.77	20.84	20.71							
5	QPSK	12	0	20.86	21.00	20.89							
5	QPSK	12	7	20.80	20.90	20.81		22	0				
5	QPSK	12	19	20.65	20.71	20.71							
5	QPSK	25	0	20.87	20.93	20.90							
5	16QAM	1	0	20.87	20.92	20.91							
5	16QAM	1	12	20.87	20.87	20.85		22	0				
5	16QAM	1	24	20.90	20.97	20.94							
5	16QAM	12	0	20.89	20.91	20.89							
5	16QAM	12	7	20.80	20.84	20.79		22	0				
5	16QAM	12	14	20.82	20.89	20.82							
5	16QAM	25	0	20.76	20.85	20.83							
5	64QAM	1	0	20.95	20.94	20.87		22	0				
5	64QAM	1	12	20.90	20.95	20.93							
5	64QAM	1	24	20.69	20.70	20.54							
5	64QAM	12	0	20.11	20.10	20.14		21	1				
5	64QAM	12	7	20.14	20.08	20.14							
5	64QAM	12	13	20.00	20.02	19.98							
5	64QAM	25	0	20.06	20.08	20.15							
5	256QAM	1	0	17.52	17.42	17.48		19	3				
5	256QAM	1	12	17.51	17.63	17.55							
5	256QAM	1	24	17.48	17.34	17.41							
5	256QAM	12	0	17.57	17.58	17.60							
5	256QAM	12	7	17.49	17.51	17.66		19	3				
5	256QAM	12	13	17.26	17.23	17.31							
5	256QAM	25	0	17.56	17.45	17.59							
Channel													
1860.5 1860 1860.5													
3	QPSK	1	0	20.94	20.98	20.94		22	0				
3	QPSK	1	14	20.91	20.88	20.94							
3	QPSK	1	28	20.82	20.89	20.82							
3	QPSK	8	0	20.92	21.00	20.95							
3	QPSK	8	7	20.86	20.93	20.86		22	0				
3	QPSK	8	14	20.79	20.74	20.76							
3	QPSK	16	0	20.87	20.82	20.80							
3	16QAM	1	0	20.94	20.93	20.95							
3	16QAM	1	8	20.81	20.92	20.82		22	0				
3	16QAM	1	14	20.88	20.88	20.87							
3	16QAM	8	0	20.79	20.88	20.80							
3	16QAM	8	4	20.84	20.88	20.79		22	0				
3	16QAM	8	7	20.71	20.70	20.61							
3	16QAM	16	0	20.77	20.87	20.77							
3	64QAM	1	0	20.94	20.93	20.98		22	0				
3	64QAM	1	8	20.94	20.83	20.83							
3	64QAM	8	4	20.88	20.88	20.88							
3	64QAM	8	4	20.88	20.88	20.88		21	1				
3	64QAM	8	4	20.88	20.88	20.88							
3	64QAM	16	0	20.67	20.10	20.03							
3	256QAM	1	0	17.51	17.48	17.41		19	3				
3	256QAM	1	8	17.50	17.48	17.48							
3	256QAM	1	16	17.46	17.38	17.46							
3	256QAM	8	0	17.62	17.68	17.69							
3	256QAM	8	7	17.42	17.58	17.42		19	3				
3	256QAM	8	7	17.42	17.28	17.31							
3	256QAM	16	0	17.62	17.62	17.62							
Channel													
1857 1860 1860 1863													
1.4	QPSK	1	0	20.90	21.00	20.96		22	0				
1.4	QPSK	1	14	20.82	20.91	20.84							
1.4	QPSK	1	28	20.81	20.88	20.82							
1.4	QPSK	3	0	20.93	20.91	20.96							
1.4	QPSK	3	7	20.91	20.92	20.92		22	0				
1.4	QPSK	3	14	20.86	20.73	20.77							
1.4	QPSK	6	0	20.90	20.83	20.89							
1.4	16QAM	1	0	20.88	20.83	20.89							
1.4	16QAM	1	7	20.88	20.88	20.88		22	0				
1.4	16QAM	1	14	20.88	20.88	20.88							
1.4	16QAM	3	0	20.85	20.85	20.87							
1.4	16QAM	3	7	20.85	20.81	20.82		22	0				
1.4	16QAM	3	14	20.77	20.61	20.63							
1.4	16QAM	6	0	20.79	20.78	20.87							
1.4	64QAM	1	0	21.00	20.99	20.90		22	0				
1.4	64QAM	1	7	20.87	20.80	20.86							
1.4	64QAM	1	14	20.85	20.86	20.83							
1.4	64QAM	3	0	20.88	20.82	20.81		22	0				
1.4	64QAM	3	7	20.83	20.83	20.74							
1.4	64QAM	6	0	20.86	20.71	20.73							
1.4	64QAM	6	7	20.86	20.83	20.75		21	1				
1.4	64QAM	6	14	20.74	20.72	20.70							
1.4	256QAM	1											



Band 12_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MFR (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.60	22.56	22.47	23.5	0			
10	QPSK	1	26	22.43	22.42	22.37					
10	QPSK	1	49	22.37	22.47	22.41					
10	QPSK	25	0	22.15	22.23	22.20	23	0.5			
10	QPSK	25	12	21.96	22.21	22.15					
10	QPSK	25	25	22.13	22.20	22.13					
10	16QAM	1	0	22.52	22.53	22.53	23	0.5			
10	16QAM	1	26	22.38	22.38	22.40					
10	16QAM	1	49	22.14	22.42	22.26					
10	16QAM	25	12	21.94	21.42	21.24	22	1.5			
10	16QAM	25	25	21.31	21.46	21.30					
10	16QAM	50	0	21.16	21.40	21.26					
10	64QAM	1	0	21.51	21.58	21.52	22	1.5			
10	64QAM	1	26	21.31	21.44	21.32					
10	64QAM	1	49	21.17	21.54	21.38					
10	64QAM	25	0	20.51	20.46	20.36	19	4.5			
10	64QAM	25	12	20.33	20.37	20.38					
10	64QAM	25	26	20.21	20.41	20.29					
10	256QAM	1	0	18.20	18.23	18.21	19	4.5			
10	256QAM	1	26	18.03	18.14	18.02					
10	256QAM	1	49	18.22	18.16	18.03					
10	256QAM	25	0	18.17	18.18	18.25	19	4.5			
10	256QAM	25	12	17.81	17.86	17.81					
10	256QAM	25	26	18.05	18.08	17.87					
10	256QAM	50	0	18.01	18.10	18.13	Turn-up (m)	MFR (dB)			
Channel											
Frequency (MHz)											
3	QPSK	1	0	22.39	22.50	22.23	23.5	0			
3	QPSK	1	26	22.43	22.42	22.31					
3	QPSK	1	49	22.31	22.37	22.46					
3	QPSK	12	0	21.98	22.27	22.09	23	0.5			
3	QPSK	12	13	22.18	22.40	22.23					
3	QPSK	12	13	22.01	21.98	22.02					
3	QPSK	25	0	21.94	21.94	22.26	23	0.5			
3	16QAM	1	0	22.40	22.40	22.50					
3	16QAM	1	12	22.04	22.26	22.21					
3	16QAM	1	24	22.04	22.26	22.23	22	1.5			
3	16QAM	12	0	22.11	22.40	22.23					
3	16QAM	12	7	21.26	21.40	21.16					
3	16QAM	12	13	21.16	21.36	21.15	22	1.5			
3	16QAM	25	0	21.40	21.26	21.26					
3	64QAM	1	0	21.13	21.40	21.43					
3	64QAM	1	12	21.30	21.26	21.36	21	2.5			
3	64QAM	1	24	21.45	21.35	21.41					
3	64QAM	12	0	20.47	20.30	20.26					
3	64QAM	12	7	20.09	20.14	20.24	19	4.5			
3	64QAM	12	13	20.41	20.36	20.38					
3	64QAM	25	0	20.21	20.15	20.30					
3	256QAM	1	0	18.25	18.25	18.25	19	4.5			
3	256QAM	1	12	17.71	17.86	17.81					
3	256QAM	1	24	18.01	18.00	17.99					
3	256QAM	12	7	17.82	17.80	17.82	19	4.5			
3	256QAM	12	13	17.89	18.15	17.81					
3	256QAM	15	0	18.03	18.15	18.08					
Channel											
Frequency (MHz)											
3	QPSK	1	0	22.47	22.51	22.43	23.5	0			
3	QPSK	1	0	22.32	22.49	22.24					
3	QPSK	1	14	22.39	22.54	22.27					
3	QPSK	8	0	22.00	22.11	22.06	23	0.5			
3	QPSK	8	7	22.06	22.06	22.06					
3	QPSK	8	7	22.06	22.04	22.20					
3	QPSK	16	0	21.81	22.23	21.95	23	0.5			
3	16QAM	1	0	22.34	22.38	22.25					
3	16QAM	1	8	22.21	22.20	22.22					
3	16QAM	1	14	22.20	22.19	22.04	22	1.5			
3	16QAM	8	0	21.36	21.27	21.33					
3	16QAM	8	4	21.16	21.27	21.12					
3	16QAM	8	7	21.09	21.22	21.26	22	1.5			
3	16QAM	15	0	21.26	21.31	21.03					
3	64QAM	1	0	21.04	21.36	21.37					
3	64QAM	1	14	21.36	21.40	21.34	21	2.5			
3	64QAM	8	0	20.41	20.37	20.12					
3	64QAM	8	4	20.39	20.36	20.26					
3	64QAM	8	7	20.09	20.30	20.28	19	4.5			
3	64QAM	15	0	20.05	20.40	20.16					
3	256QAM	1	0	17.97	18.02	18.16					
3	256QAM	1	8	18.06	18.02	17.82	19	4.5			
3	256QAM	1	14	18.02	17.80	17.84					
3	256QAM	8	0	18.08	18.17	18.04					
3	256QAM	8	4	17.73	17.76	17.77	19	4.5			
3	256QAM	8	7	18.08	17.89	17.82					
3	256QAM	15	0	18.03	18.15	18.08					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	22.50	22.46	22.43	23.5	0			
1.4	QPSK	1	3	22.21	22.42	22.43					
1.4	QPSK	1	6	22.29	22.32	22.31					
1.4	QPSK	3	0	22.00	22.06	22.09	23	0.5			
1.4	QPSK	3	1	22.18	22.27	22.09					
1.4	QPSK	3	3	22.05	22.20	22.14					
1.4	16QAM	1	0	21.99	22.10	22.26	23	0.5			
1.4	16QAM	1	3	22.39	22.40	22.25					
1.4	16QAM	1	3	22.32	22.40	22.31					
1.4	16QAM	1	8	21.99	22.20	22.32	22	1.5			
1.4	16QAM	1	3	22.03	22.20	22.16					
1.4	16QAM	3	0	21.12	21.16	21.31					
1.4	64QAM	1	0	21.34	21.60	21.31	21	2.5			
1.4	64QAM	1	3	21.04	21.60	21.30					
1.4	64QAM	1	6	21.44	21.43	21.21					
1.4	64QAM	3	0	21.34	21.22	21.21	19	4.5			
1.4	64QAM	3	1	21.23	21.16	21.36					
1.4	64QAM	3	3	21.17	21.40	21.01					
1.4	256QAM	1	0	18.99	18.04	18.03	19	4.5			
1.4	256QAM	1	0	18.05	18.00	17.86					
1.4	256QAM	1	3	18.08	18.16	17.87					
1.4	256QAM	1	5	18.19	18.05	17.86	19	4.5			
1.4	256QAM	3	0	18.00	17.85	17.89					
1.4	256QAM	3	1	17.79	17.78	17.86					
1.4	256QAM	3	3	17.99	18.01	17.89	19	4.5			
1.4	256QAM	6	0	17.81	17.86	18.21					

Band 13_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turnup time (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0		21.88		23	0	
10	QPSK	1	26		21.79				
10	QPSK	1	49		21.75				
10	QPSK	25	0		21.63		23	0	
10	QPSK	25	12		21.58				
10	QPSK	25	25		21.56				
10	QPSK	50	0		21.80		23	0	
10	16QAM	1	0		21.63				
10	16QAM	1	26		21.63				
10	16QAM	1	49		21.59		22	1	
10	16QAM	25	0		20.74				
10	16QAM	25	12		20.76				
10	16QAM	25	25		20.72		22	1	
10	16QAM	50	0		20.62				
10	64QAM	1	0		20.76				
10	64QAM	1	26		20.78		22	1	
10	64QAM	1	49		20.73				
10	64QAM	25	0		18.72				
10	64QAM	25	12		18.83		21	2	
10	64QAM	25	25		18.74				
10	256QAM	1	0		17.68				
10	256QAM	1	26		17.85		19	4	
10	256QAM	1	49		17.82				
10	256QAM	25	0		17.61				
10	256QAM	25	12		17.81		19	4	
10	256QAM	25	25		17.80				
10	256QAM	50	0		17.65				
				20650	20650	20650	Turn-up time (dB)	MFR (dB)	
				775.5	775.5	775.5			
5	QPSK	1	0	21.81	21.81	21.81	23	0	
5	QPSK	1	12	21.68	21.53	21.44			
5	QPSK	1	24	21.61	21.53	21.44			
5	QPSK	12	0	21.62	21.79	21.68	23	0	
5	QPSK	12	7	21.47	21.53	21.68			
5	QPSK	12	14	21.54	21.55	21.54			
5	QPSK	25	0	21.56	21.54	21.65	23	0	
5	16QAM	1	0	21.64	21.69	21.65			
5	16QAM	1	26	21.51	21.69	21.65			
5	16QAM	1	24	20.71	21.43	21.59	22	1	
5	16QAM	12	0	20.61	20.51	20.57			
5	16QAM	12	6	20.76	20.54	20.66			
5	16QAM	12	18	20.71	20.54	20.23	22	1	
5	16QAM	25	0	20.85	20.66	20.76			
5	16QAM	25	12	20.73	20.63	20.52			
5	16QAM	1	12	20.84	20.66	20.70	22	1	
5	16QAM	1	24	20.51	20.59	20.80			
5	16QAM	1	36	19.55	19.51	19.80			
5	16QAM	12	7	19.66	19.39	19.86	21	2	
5	16QAM	12	13	19.79	19.77	19.78			
5	16QAM	12	19	19.78	19.79	19.67			
5	256QAM	1	0	17.41	17.59	17.47	19	4	
5	256QAM	1	12	17.50	17.39	17.68			
5	256QAM	1	24	17.54	17.54	17.65			
5	256QAM	12	0	17.38	17.69	17.45	19	4	
5	256QAM	12	7	17.42	17.36	17.81			
5	256QAM	12	14	17.44	17.39	17.48			
5	256QAM	25	0	17.69	17.50	17.37	19	4	



Band 25_Ant 2																
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MPR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	21.62	21.63	25.96			22	0						
20	QPSK	1	49	20.85	20.86	25.96										
20	QPSK	1	99	20.85	20.79	25.87										
20	QPSK	50	0	20.88	21.00	25.94										
20	QPSK	50	49	20.85	20.86	25.96										
20	QPSK	50	50	20.79	20.74	25.88										
20	QPSK	100	0	20.84	20.88	25.90			22	0						
20	QPSK	100	49	20.76	20.78	25.81										
20	16QAM	1	49	20.76	20.78	25.81			22	0						
20	16QAM	1	99	20.83	20.82	21.00										
20	16QAM	50	0	20.76	20.57	25.82										
20	16QAM	50	24	20.79	20.78	25.81			22	0						
20	16QAM	50	50	20.73	20.68	25.87										
20	64QAM	1	0	20.76	20.71	25.83			22	0						
20	64QAM	1	49	20.71	20.77	25.82										
20	64QAM	1	99	20.88	20.83	20.70			21	1						
20	64QAM	50	0	20.14	20.08	20.15										
20	64QAM	50	24	20.12	20.11	20.18			21	1						
20	64QAM	50	50	20.08	20.08	19.90										
20	256QAM	100	0	20.13	20.07	20.16			19	3						
20	256QAM	100	49	20.08	20.08	19.90										
20	256QAM	1	7	17.78	17.72	17.92			19	3						
20	256QAM	1	17	17.78	17.81	17.79										
20	256QAM	1	99	17.73	17.82	17.93			19	3						
20	256QAM	50	0	17.73	17.85	17.87										
20	256QAM	50	24	17.86	17.81	17.90			19	3						
20	256QAM	50	50	17.84	17.86	17.86										
20	256QAM	100	0	17.60	17.52	17.68			Turn-up (dB) MPR (dB)							
Channel																
Frequency (MHz)																
15	QPSK	1	0	20.92	20.93	25.93			22	0						
15	QPSK	1	25	20.84	20.81	25.79										
15	QPSK	1	74	20.68	20.77	25.76			22	0						
15	QPSK	36	0	20.88	20.88	25.90										
15	QPSK	36	39	20.78	20.79	25.81			22	0						
15	QPSK	36	39	20.61	20.61	20.85										
15	QPSK	75	0	20.96	20.94	25.88			22	0						
15	QPSK	75	0	20.68	20.68	25.82										
15	16QAM	1	37	20.66	20.70	25.87			22	0						
15	16QAM	1	74	20.62	20.65	25.87										
15	16QAM	36	0	20.68	20.68	25.82			22	0						
15	16QAM	36	20	20.64	20.67	25.89										
15	16QAM	36	39	20.68	20.61	25.88			21	1						
15	16QAM	36	39	20.57	20.58	25.84										
15	64QAM	1	0	20.77	20.73	25.87			22	0						
15	64QAM	1	37	20.68	20.72	25.86										
15	64QAM	1	74	20.69	20.67	25.79			22	0						
15	64QAM	36	0	20.02	19.95	19.94										
15	64QAM	36	20	20.10	20.06	25.87			21	1						
15	64QAM	36	39	20.03	20.03	19.94										
15	64QAM	50	0	19.99	20.06	25.90			19	3						
15	64QAM	50	0	17.73	17.72	17.85										
15	256QAM	1	37	17.74	17.74	17.83			19	3						
15	256QAM	1	74	17.88	17.80	17.74										
15	256QAM	36	0	17.78	17.77	17.87			19	3						
15	256QAM	36	20	17.75	17.78	17.82										
15	256QAM	36	39	17.65	17.69	17.82			Turn-up (dB) MPR (dB)							
15	256QAM	75	0	17.53	17.57	17.80										
Channel																
Frequency (MHz)																
5	QPSK	1	0	21.62	21.63	25.96			22	0						
5	QPSK	1	25	20.84	20.81	25.80										
5	QPSK	1	49	20.89	20.73	25.71			22	0						
5	QPSK	1	99	20.85	20.79	25.78										
5	QPSK	50	0	20.88	20.80	25.82			22	0						
5	QPSK	50	49	20.85	20.80	25.80										
5	QPSK	100	0	20.87	20.83	25.84			22	0						
5	QPSK	100	49	20.80	20.78	25.81										
5	16QAM	1	49	20.76	20.72	25.85			22	0						
5	16QAM	1	99	20.83	20.82	25.86										
5	16QAM	50	0	20.87	20.87	25.88			22	0						
5	16QAM	50	49	20.80	20.78	25.85										
5	16QAM	100	0	20.86	20.86	25.89			22	0						
5	16QAM	100	49	20.79	20.77	25.86										
5	64QAM	1	0	20.77	20.73	25.87			22	0						
5	64QAM	1	49	20.72	20.77	25.86										
5	64QAM	1	99	20.89	20.84	25.81			21	1						
5	64QAM	50	0	20.03	20.03	19.94										
5	64QAM	50	24	20.06	20.06	19.97			21	1						
5	64QAM	50	50	20.00	20.00	19.90										
5	256QAM	100	0	17.73	17.73	17.82			19	3						
5	256QAM	100	49	17.66	17.66	17.75										
5	256QAM	1	7	17.78	17.72	17.92			19	3						
5	256QAM	1	17	17.78	17.81	17.79										
5	256QAM	1	99	17.73	17.82	17.93			19	3						
5	256QAM	50	0	17.73	17.85	17.87										
5	256QAM	50	24	17.86	17.81	17.90			Turn-up (dB) MPR (dB)							
Channel																
Frequency (MHz)																
3	QPSK	1	0	20.93	20.93	25.93			22	0						
3	QPSK	1	8	20.89	20.87	25.78										
3	QPSK	1	14	20.72	20.77	25.71			22	0						
3	QPSK	8	0	20.93	20.88	25.88										
3	QPSK	8	4	20.87	20.87	25.71			22	0						
3	QPSK	8	7	20.85	20.85	25.88										
3	16QAM	1	8	20.91	20.92	25.90			23	0.8						
3	16QAM	1	0	20.92	20.93	25.91										
3	16QAM	1	8	20.71	20.70	25.70			22	0						
3	16QAM	1	20	20.84	20.79	25.83										
3	16QAM	8	0	20.58	20.57	25.81			22	0						
3	16QAM	8	4	20.63	20.72	25.74										
3	16QAM	15	0	20.68	20.57	25.81			22	0						
3	16QAM	15	0	20.70	20.76	25.86										
3	64QAM	1	0	20.72	20.76	25.86			22	0						
3	64QAM	1	4	20.66	20.74	25.81										
3	64QAM	1	14	20.78	20.74	25.72			21	1						
3	64QAM	8	0	20.03	20.04	19.97										
3	64QAM	8	0	19.99	20.06	25.90			21	1						
3	64QAM	8	7	20.03	19.98	20.05										
3	64QAM	15	0	20.08	20.04	19.95			19	3						
3	64QAM	15	0	17.68	17.68	17.82										
3	256QAM	1	8	17.77	17.88	17.85			19	3						
3	256QAM	1	14	17.79	17.81	17.91										
3	256QAM	12	0	17.78	17.85	17.82			19	3						
3	256QAM	12	7	17.68	17.70	17.74										
3	256QAM	12	13	17.58	17.69	17.52			Turn-up (dB) MPR (dB)							
3	256QAM	25	0	17.43	17.57	17.50										
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	20.89	20.91	25.91			22	0						
1.4	QPSK	1	8	20.79	20.88	25.79										
1.4	QPSK	1	14	20.70	20.75	25.67			22	0						
1.4	QPSK	3	0	20.90	20.96	25.98										
1.4	QPSK	3	3	20.87	20.92	25.97			22	0						
1.4	QPSK	3	3	20.60	20.73	25.67										
1.4	QPSK	5	0	20.83	20.90	25.83			22	0						
1.4	QPSK	5	0	20.85	20.95	25.85										
1.4	16QAM	3	0	20.89	20.93	25.90			22	0						
1.4	16QAM	3	3	20.85	20.68	25.70										
1.4	16QAM	5	0	20.95	20.95	25.95			22	0						
1.4	16QAM	5	0	20.87	20.88	25.80										
1.4	16QAM	10	0	20.87	20.89	25.88			22	0						
1.4	16QAM	10	0	20.83	20.83	25.73										
1.4	16QAM	1	0	20.72	20.73	25.70			22	0						
1.4	16QAM	1	8	20.69	20.62	25.68										
1.4	16QAM	3	0	20.76	20.76	25.76			21	1						
1.4	16QAM	3	3	20.65	20.76	25.68										
1.4	256QAM	1	0	17.69	17.68	17.72			19	3						
1.4	256QAM	1	8	17.84	17.77	17.77										
1.4	256QAM	1	14	17.82	17.84	17.84			19	3						
1.4	256QAM	3	0	17.87	17.78	17.78										
1.4	256QAM	3	3	17.62	17.44	17.63			19	3						
1.4	256QAM	3	13	17.53	17.53	17.53										

Band 41_Ant 8										
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	20.9	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.71	19.98	19.80	19.74	19.94	20.9	0
20	QPSK	1	49	19.72	19.96	19.76	19.69	19.93		
20	QPSK	1	99	19.80	20.04	19.85	19.77	19.97	20.9	0
20	QPSK	50	0	19.78	20.02	19.83	19.75	19.95		
20	QPSK	50	24	19.75	20.00	19.73	19.74	19.92	20.9	0
20	QPSK	50	50	19.73	19.96	19.72	19.68	19.90		
20	QPSK	100	0	19.76	20.01	19.77	19.75	19.90	20.9	0
20	16QAM	1	0	19.71	19.99	19.72	19.71	19.98		
20	16QAM	1	49	19.78	19.99	19.78	19.71	19.96	20.9	0
20	16QAM	1	99	19.74	19.98	19.72	19.72	19.93		
20	16QAM	50	0	19.78	19.97	19.73	19.71	19.99	20.9	0
20	16QAM	50	24	19.76	20.01	19.77	19.74	20.02		
20	16QAM	50	50	19.73	19.99	19.75	19.74	19.99	20.9	0
20	16QAM	100	0	19.72	19.96	19.73	19.73	19.98		
20	64QAM	1	0	19.77	19.98	19.74	19.70	19.99	20.9	0
20	64QAM	1	49	19.74	19.99	19.76	19.71	19.97		
20	64QAM	1	99	19.78	19.94	19.77	19.73	19.99	20.9	0
20	64QAM	50	0	19.79	19.99	19.78	19.71	19.99		
20	64QAM	50	24	19.80	19.96	19.75	19.77	20.00	20.9	0
20	64QAM	50	50	19.77	20.00	19.80	19.74	19.99		
20	64QAM	100	0	19.74	19.96	19.73	19.73	19.97	19	1.9
20	256QAM	1	0	17.46	17.49	17.44	17.42	17.42		
20	256QAM	1	49	17.39	17.44	17.36	17.41	17.37	19	1.9
20	256QAM	1	99	17.43	17.46	17.39	17.42	17.41		
20	256QAM	50	0	17.39	17.42	17.34	17.37	17.37	19	1.9
20	256QAM	50	24	17.35	17.43	17.39	17.40	17.39		
20	256QAM	50	50	17.41	17.46	17.41	17.42	17.39	19	1.9
20	256QAM	100	0	17.43	17.51	17.44	17.48	17.45		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	20.9	0
15	QPSK	1	0	19.84	19.94	19.87	19.87	19.96		
15	QPSK	1	37	19.94	19.86	19.88	19.94	19.85	20.9	0
15	QPSK	1	74	19.91	19.94	19.90	19.94	19.93		
15	QPSK	36	0	19.92	19.93	19.97	19.88	19.88	20.9	0
15	QPSK	36	20	19.90	19.97	19.87	19.90	19.88		
15	QPSK	36	39	19.83	19.92	19.90	19.83	19.88	20.9	0
15	QPSK	75	0	19.89	19.93	19.91	19.94	19.95		
15	16QAM	1	0	19.98	19.86	19.91	19.89	19.87	20.9	0
15	16QAM	1	37	19.86	19.89	19.89	19.87	19.93		
15	16QAM	1	74	19.91	19.94	19.95	19.94	19.96	20.9	0
15	16QAM	36	0	19.89	19.94	19.84	19.96	19.85		
15	16QAM	36	20	19.93	19.96	19.90	19.97	19.90	20.9	0
15	16QAM	36	39	19.92	19.88	19.86	19.91	19.85		
15	16QAM	75	0	19.85	19.92	19.84	19.86	19.82	20.9	0
15	64QAM	1	0	19.97	19.94	19.88	19.84	19.95		
15	64QAM	1	37	19.87	19.85	19.97	19.93	19.85	20.9	0
15	64QAM	1	74	19.90	19.90	19.80	19.89	19.93		
15	64QAM	36	0	19.91	19.88	19.98	19.92	19.88	20.9	0
15	64QAM	36	20	19.91	19.84	19.95	19.89	19.84		
15	64QAM	36	39	19.91	19.86	19.89	19.97	19.88	20.9	0
15	64QAM	75	0	19.87	19.91	19.86	19.91	19.88		
15	256QAM	1	0	17.40	17.45	17.39	17.39	17.45	19	1.9
15	256QAM	1	37	17.40	17.36	17.26	17.38	17.24		
15	256QAM	1	74	17.26	17.29	17.33	17.31	17.35	19	1.9
15	256QAM	36	0	17.27	17.35	17.22	17.26	17.31		
15	256QAM	36	20	17.29	17.41	17.33	17.34	17.25	19	1.9
15	256QAM	36	39	17.41	17.38	17.42	17.35	17.27		
15	256QAM	75	0	17.46	17.49	17.37	17.33	17.50	19	1.9
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	19.87	19.85	19.93	19.86	19.93	20.9	0
10	QPSK	1	25	19.94	19.82	19.83	19.87	19.89		
10	QPSK	1	49	19.98	19.98	19.97	19.92	19.93	20.9	0
10	QPSK	25	0	19.93	19.92	20.01	19.96	19.97		
10	QPSK	25	12	19.87	19.89	19.95	19.92	19.97	20.9	0
10	QPSK	25	25	19.83	19.95	19.88	19.82	19.86		
10	QPSK	50	0	19.99	19.98	19.89	19.94	19.87	20.9	0
10	16QAM	1	0	19.92	19.90	19.88	19.97	19.89		
10	16QAM	1	25	19.92	19.97	19.85	19.86	19.87	20.9	0
10	16QAM	1	49	19.88	19.84	19.91	19.92	19.93		
10	16QAM	25	0	19.83	19.87	19.94	19.91	19.84	20.9	0
10	16QAM	25	12	19.94	19.95	19.97	19.99	19.96		
10	16QAM	25	25	19.92	19.87	19.92	19.93	19.91	20.9	0
10	16QAM	50	0	19.87	19.95	19.89	19.84	19.87		
10	64QAM	1	0	19.89	19.85	19.92	19.88	19.84	20.9	0
10	64QAM	1	25	19.97	19.89	19.86	19.88	19.87		
10	64QAM	1	49	19.88	19.83	19.90	19.89	19.82	20.9	0
10	64QAM	25	0	19.98	19.93	19.98	19.92	19.90		
10	64QAM	25	12	19.84	19.92	19.83	19.82	19.84	20.9	0
10	64QAM	25	25	19.94	19.87	19.98	19.97	19.89		
10	64QAM	50	0	19.91	19.88	19.92	19.90	19.91	19	1.9
10	256QAM	1	0	17.40	17.46	17.46	17.42	17.35		
10	256QAM	1	25	17.40	17.43	17.34	17.25	17.30	19	1.9
10	256QAM	1	49	17.28	17.38	17.36	17.32	17.41		
10	256QAM	25	0	17.23	17.22	17.41	17.38	17.34	19	1.9
10	256QAM	25	12	17.38	17.41	17.30	17.24	17.30		
10	256QAM	25	25	17.37	17.32	17.35	17.38	17.33	19	1.9
10	256QAM	50	0	17.48	17.49	17.31	17.40	17.43		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	20.9	0
5	QPSK	1	0	19.87	19.87	19.95	19.92	19.92		
5	QPSK	1	12	19.90	19.95	19.87	19.90	19.90	20.9	0
5	QPSK	1	24	19.93	19.91	19.95	19.96	19.91		
5	QPSK	12	0	19.90	19.97	19.95	19.90	19.94	20.9	0
5	QPSK	12	7	19.95	19.92	19.95	19.88	19.90		
5	QPSK	12	13	19.93	19.95	19.89	19.93	19.85	20.9	0
5	QPSK	25	0	19.89	19.96	19.89	19.88	19.98		
5	16QAM	1	0	19.87	19.85	19.87	19.93	19.95	20.9	0
5	16QAM	1	12	19.90	19.96	19.85	19.90	19.85		
5	16QAM	1	24	19.86	19.95	19.86	19.91	19.91	20.9	0
5	16QAM	12	0	19.95	19.90	19.87	19.96	19.85		
5	16QAM	12	7	19.90	19.99	19.90	19.91	19.92	20.9	0
5	16QAM	12	13	19.97	19.88	19.98	19.92	19.96		
5	16QAM	25	0	19.89	19.93	19.82	19.84	19.85	20.9	0
5	64QAM	1	0	19.86	19.97	19.84	19.91	19.88		
5	64QAM	1	12	19.93	19.98	19.93	19.95	19.92	20.9	0
5	64QAM	1	24	19.86	19.93	19.91	19.86	19.87		
5	64QAM	12	0	19.95	19.88	19.98	19.98	19.88	20.9	0
5	64QAM	12	7	19.86	19.93	19.99	19.93	19.98		
5	64QAM	12	13	19.86	19.93	19.99	19.93	19.98	20.9	0
5	64QAM	25	0	19.92	19.89	19.94	19.90	19.92		
5	256QAM	1	0	17.48	17.45	17.43	17.37	17.38	19	1.9
5	256QAM	1	12	17.24	17.24	17.33	17.24	17.43		
5	256QAM	1	24	17.43	17.33	17.30	17.45	17.36	19	1.9
5	256QAM	12	0	17.30	17.39	17.40	17.40	17.34		
5	256QAM	12	7	17.40	17.35	17.37	17.29	17.23	19	1.9
5	256QAM	12	13	17.45	17.43	17.32	17.28	17.37		
5	256QAM	25	0	17.37	17.36	17.42	17.48	17.42	19	1.9
5	256QAM	25	0	17.37	17.36	17.42	17.48	17.42		

Band 48_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	21.96	22.09	21.85	21.91	23	0	
20	QPSK	1	49	22.08	22.05	22.03	21.83			
20	QPSK	1	99	22.25	22.28	22.04	22.06			
20	QPSK	50	0	22.23	22.25	22.01	22.03			
20	QPSK	50	24	21.88	22.13	22.00	21.92	23	0	
20	QPSK	50	50	21.93	22.08	21.96	21.77			
20	QPSK	100	0	22.20	22.23	21.95	21.99			
20	16QAM	1	0	21.92	22.16	22.05	21.79			
20	16QAM	1	49	22.12	22.14	21.90	22.12	23	0	
20	16QAM	1	99	22.01	22.15	22.10	22.01			
20	16QAM	50	0	21.04	20.96	20.72	20.75			
20	16QAM	50	24	20.76	21.02	20.89	20.78			
20	16QAM	50	50	20.90	20.98	20.90	20.77	22	1	
20	16QAM	100	0	20.81	21.01	20.87	20.84			
20	64QAM	1	0	20.60	20.56	20.20	20.40			
20	64QAM	1	49	20.57	20.54	20.24	20.47			
20	64QAM	1	99	20.44	20.42	20.18	20.23	22	1	
20	64QAM	50	0	19.85	19.97	19.81	19.88			
20	64QAM	50	24	19.95	20.02	19.99	19.81			
20	64QAM	50	50	19.77	19.98	19.87	19.74			
20	64QAM	100	0	20.04	20.00	19.64	19.87	21	2	
20	256QAM	1	0	17.99	17.91	17.82	17.88			
20	256QAM	1	49	17.72	17.75	17.39	17.68			
20	256QAM	1	99	17.63	17.77	17.66	17.71			
20	256QAM	50	0	18.08	18.03	17.76	17.76	19	4	
20	256QAM	50	24	18.03	18.06	17.97	17.70			
20	256QAM	50	50	17.72	17.98	17.65	17.64			
20	256QAM	100	0	17.92	18.01	17.97	17.85			
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3608	3642	3692.5			
15	QPSK	1	0	21.75	22.15	21.80	21.82	23	0	
15	QPSK	1	37	21.91	22.04	22.01	21.78			
15	QPSK	1	74	22.07	22.09	21.98	21.85			
15	QPSK	36	0	22.21	22.19	22.00	21.87			
15	QPSK	36	20	21.86	21.87	22.04	21.92	23	0	
15	QPSK	36	39	21.91	21.91	21.95	21.80			
15	QPSK	75	0	22.13	22.07	21.92	21.72			
15	16QAM	1	0	21.85	22.17	22.11	21.74			
15	16QAM	1	37	21.97	22.22	21.94	22.15	23	0	
15	16QAM	1	74	22.07	21.95	21.97	22.01			
15	16QAM	36	0	20.76	20.89	20.47	20.82			
15	16QAM	36	20	20.51	20.91	20.89	20.74			
15	16QAM	36	39	20.80	20.80	20.71	20.76	22	1	
15	16QAM	75	0	20.86	20.85	20.88	20.81			
15	64QAM	1	0	20.36	20.37	20.28	20.25			
15	64QAM	1	37	20.50	20.42	20.14	20.26			
15	64QAM	1	74	20.47	20.43	20.09	20.07	22	1	
15	64QAM	36	0	19.91	19.69	19.61	19.79			
15	64QAM	36	20	19.78	19.99	19.81	19.59			
15	64QAM	36	39	19.78	19.81	19.67	19.75			
15	64QAM	75	0	19.76	20.00	19.68	19.69	21	2	
15	256QAM	1	0	17.80	17.71	17.60	17.70			
15	256QAM	1	37	17.69	17.77	17.38	17.57			
15	256QAM	1	74	17.67	17.79	17.66	17.76			
15	256QAM	36	0	17.87	17.78	17.80	17.53	19	4	
15	256QAM	36	20	17.87	17.99	17.79	17.58			
15	256QAM	36	39	17.63	17.75	17.59	17.63			
15	256QAM	75	0	17.76	17.83	17.85	17.77			
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	21.89	22.02	21.86	21.72	23	0	
10	QPSK	1	25	21.81	22.05	22.10	21.84			
10	QPSK	1	49	21.97	22.19	21.97	21.98			
10	QPSK	25	0	22.20	22.08	21.80	22.04			
10	QPSK	25	12	21.77	21.85	22.04	21.97	23	0	
10	QPSK	25	25	21.85	22.11	21.71	21.74			
10	QPSK	50	0	22.06	21.99	21.93	21.88			
10	16QAM	1	0	21.94	21.93	22.04	21.84			
10	16QAM	1	25	21.92	21.97	21.88	21.99	23	0	
10	16QAM	1	49	21.84	22.13	22.01	21.73			
10	16QAM	25	0	20.81	20.69	20.80	20.75			
10	16QAM	25	12	20.82	20.81	20.66	20.83			
10	16QAM	25	25	20.91	20.99	20.89	20.52	22	1	
10	16QAM	50	0	20.58	20.73	20.78	20.59			
10	64QAM	1	0	20.60	20.63	20.25	20.45			
10	64QAM	1	25	20.45	20.43	20.31	20.21			
10	64QAM	1	49	20.26	20.40	20.17	20.29	22	1	
10	64QAM	25	0	19.63	19.78	19.63	19.89			
10	64QAM	25	12	20.01	19.92	19.84	19.63			
10	64QAM	25	25	19.74	19.70	19.88	19.58			
10	64QAM	50	0	20.07	19.94	19.68	19.60	21	2	
10	256QAM	1	0	17.88	17.75	17.73	17.86			
10	256QAM	1	25	17.73	17.62	17.45	17.56			
10	256QAM	1	49	17.57	17.57	17.40	17.45			
10	256QAM	25	0	18.14	17.86	17.49	17.60	19	4	
10	256QAM	25	12	17.93	18.06	18.05	17.77			
10	256QAM	25	25	17.52	17.79	17.54	17.67			
10	256QAM	50	0	17.92	17.88	17.73	17.90			
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	21.91	21.85	21.92	21.80	23	0	
5	QPSK	1	12	22.00	21.84	21.83	21.91			
5	QPSK	1	24	22.04	22.27	21.82	22.06			
5	QPSK	12	0	22.09	22.17	21.79	22.05			
5	QPSK	12	7	21.90	22.16	21.87	21.71	23	0	
5	QPSK	12	13	21.84	22.01	21.95	21.58			
5	QPSK	25	0	22.01	22.01	21.77	21.95			
5	16QAM	1	0	21.72	22.18	21.97	21.81			
5	16QAM	1	12	21.90	22.16	21.84	22.14	23	0	
5	16QAM	1	24	21.97	21.98	22.02	21.91			
5	16QAM	12	0	20.92	20.88	20.58	20.64			
5	16QAM	12	7	20.63	20.78	20.61	20.65			
5	16QAM	12	13	20.75	20.80	20.72	20.81	22	1	
5	16QAM	25	0	20.79	20.91	20.92	20.88			
5	64QAM	1	0	20.53	20.57	20.07	20.21			
5	64QAM	1	12	20.38	20.36	20.18	20.52			
5	64QAM	1	24	20.39	20.25	20.08	20.23	22	1	
5	64QAM	12	0	19.66	19.86	19.78	19.81			
5	64QAM	12	7	19.91	19.97	19.86	19.74			
5	64QAM	12	13	19.67	19.74	19.68	19.82			
5	64QAM	25	0	20.05	20.05	19.62	19.93	21	2	
5	256QAM	1	0	17.96	17.89	17.90	17.70			
5	256QAM	1	12	17.64	17.68	17.21	17.67			
5	256QAM	1	24	17.65	17.77	17.45	17.48			
5	256QAM	12	0	18.08	17.95	17.74	17.50	19	4	
5	256QAM	12	7	17.83	17.92	18.04	17.57			
5	256QAM	12	13	17.57	17.96	17.38	17.68			
5	256QAM	25	0	17.93	18.07	17.83	17.73			

DSI2 Sim-Tx

Band 2_Ant 2										
BW [MHz]	Modulation	RIS Size	RIS Offset	Power Low Ch. [Frac] 18700	Power Mid Ch. [Frac] 18900	Power High Ch. [Frac] 19100	Turn-up limit [dBm]	MPR [dB]		
Channel										
Frequency [MHz]										
20	QPSK	1	0	19.00	19.05	19.02				
20	QPSK	1	49	19.01	19.00	19.08	20	0		
20	QPSK	1	99	19.08	19.02	19.01				
20	QPSK	50	0	19.00	19.00	19.00				
20	QPSK	50	24	19.03	19.00	19.02				
20	QPSK	50	50	19.01	19.01	19.05	20	0		
20	QPSK	100	0	19.02	19.01	19.07				
20	16QAM	1	0	19.00	19.00	19.05				
20	16QAM	1	49	19.05	19.01	19.02	20	0		
20	16QAM	1	99	19.08	19.00	19.02				
20	16QAM	50	0	19.00	19.00	19.04				
20	16QAM	50	24	19.00	19.00	19.00	20	0		
20	16QAM	50	50	19.05	19.01	19.09				
20	16QAM	100	0	19.08	19.01	19.07				
20	64QAM	1	49	19.04	19.08	19.06	20	0		
20	64QAM	1	99	19.02	19.07	19.07				
20	64QAM	50	24	19.09	19.08	19.02	20	0		
20	64QAM	50	50	19.08	19.07	19.06				
20	64QAM	100	0	19.07	19.07	19.06				
20	256QAM	1	0	17.75	17.72	17.85				
20	256QAM	1	49	17.81	17.73	17.68	19	1		
20	256QAM	1	99	17.78	17.68	17.58				
20	256QAM	50	0	17.78	17.63	17.83				
20	256QAM	50	24	17.77	17.72	17.61	19	1		
20	256QAM	50	50	17.82	17.65	17.88				
20	256QAM	100	0	17.80	17.66	17.87				
Channel										
Frequency [MHz]										
15	QPSK	1	0	19.00	19.01	19.04				
15	QPSK	1	37	19.08	19.00	19.06	20	0		
15	QPSK	1	74	19.04	19.00	19.00				
15	QPSK	36	0	19.02	19.00	19.08				
15	QPSK	36	20	19.03	19.78	19.06	20	0		
15	QPSK	36	36	19.70	19.00	19.00				
15	QPSK	75	0	19.00	19.00	19.03				
15	16QAM	1	0	19.07	19.00	19.03				
15	16QAM	1	37	19.78	19.00	19.00	20	0		
15	16QAM	1	74	19.08	19.07	19.72				
15	16QAM	36	0	19.72	19.74	19.78				
15	16QAM	36	20	19.06	19.70	19.70	20	0		
15	16QAM	36	36	19.03	19.03	19.03				
15	16QAM	75	0	19.00	19.00	19.03				
15	16QAM	75	37	19.00	19.77	19.75				
15	16QAM	75	74	19.74	19.75	19.77				
15	64QAM	1	0	19.02	19.00	19.00				
15	64QAM	1	37	19.07	19.02	19.79	20	0		
15	64QAM	1	74	19.07	19.06	19.04				
15	64QAM	36	0	19.78	19.74	19.03				
15	64QAM	36	20	19.05	19.01	19.79				
15	64QAM	36	36	19.05	19.78	19.00				
15	64QAM	75	0	19.02	19.00	19.04				
15	256QAM	1	0	17.59	17.67	17.66				
15	256QAM	1	37	17.69	17.69	17.61	19	1		
15	256QAM	1	74	17.66	17.66	17.66				
15	256QAM	36	0	17.50	17.67	17.61				
15	256QAM	36	20	17.57	17.63	17.63	19	1		
15	256QAM	36	36	17.66	17.66	17.66				
15	256QAM	75	0	17.60	17.66	17.66				
Channel										
Frequency [MHz]										
5	QPSK	1	0	19.03	19.05	19.03				
5	QPSK	1	25	19.07	19.00	19.07	20	0		
5	QPSK	1	49	19.01	19.00	19.06				
5	QPSK	25	0	19.07	19.02	19.01				
5	QPSK	25	12	19.78	19.03	19.09	20	0		
5	QPSK	25	25	19.73	19.00	19.07				
5	QPSK	50	0	19.04	19.08	19.03				
5	16QAM	1	0	19.02	19.78	19.79				
5	16QAM	1	25	19.00	19.00	19.05	20	0		
5	16QAM	1	49	19.79	19.74	19.09				
5	16QAM	25	0	19.01	19.72	19.74				
5	16QAM	25	12	19.03	19.79	19.02	20	0		
5	16QAM	25	25	19.03	19.79	19.02				
5	16QAM	50	0	19.00	19.00	19.00				
5	16QAM	50	12	19.77	19.76	19.74				
5	16QAM	50	25	19.03	19.79	19.02	20	0		
5	16QAM	50	50	19.00	19.00	19.00				
5	64QAM	1	25	19.00	19.79	19.02	20	0		
5	64QAM	1	49	19.78	19.79	19.02				
5	64QAM	25	0	19.00	19.79	19.02				
5	64QAM	25	12	19.00	19.79	19.02	20	0		
5	64QAM	25	25	19.00	19.79	19.02				
5	64QAM	50	0	19.00	19.79	19.02				
5	64QAM	50	12	19.77	19.00	19.00	20	0		
5	64QAM	50	24	19.79	19.00	19.00				
5	64QAM	50	50	19.00	19.00	19.00				
5	256QAM	1	0	17.68	17.67	17.67				
5	256QAM	1	25	17.64	17.66	17.67	19	1		
5	256QAM	1	49	17.61	17.66	17.66				
5	256QAM	25	0	17.54	17.51	17.59				
5	256QAM	25	12	17.57	17.59	17.59	19	1		
5	256QAM	25	25	17.72	17.63	17.63				
5	256QAM	50	0	17.48	17.46	17.62				
Channel										
Frequency [MHz]										
1.4	QPSK	1	0	19.08	19.04	19.02				
1.4	QPSK	1	8	19.09	19.02	19.01	20	0		
1.4	QPSK	1	14	19.06	19.01	19.08				
1.4	QPSK	8	0	19.02	19.08	19.09				
1.4	QPSK	8	4	19.79	19.00	19.01	20	0		
1.4	QPSK	8	7	19.73	19.00	19.09				
1.4	QPSK	15	0	19.00	19.04	19.07				
1.4	16QAM	1	0	19.08	19.77	19.77				
1.4	16QAM	1	14	19.79	19.00	19.08	20	0		
1.4	16QAM	1	14	19.71	19.00	19.79				
1.4	16QAM	8	0	19.79	19.00	19.08				
1.4	16QAM	8	4	19.79	19.00	19.08	20	0		
1.4	16QAM	8	7	19.79	19.00	19.08				
1.4	16QAM	15	0	19.00	19.04	19.07				
1.4	16QAM	15	0	19.02	19.00	19.00				
1.4	16QAM	15	8	19.79	19.00	19.08	20	0		
1.4	16QAM	15	8	19.79	19.00	19.08				
1.4	16QAM	15	14	19.79	19.00	19.08				
1.4	16QAM	8	0	19.79	19.00	19.08				
1.4	16QAM	8	4	19.79	19.00	19.08	20	0		
1.4	16QAM	8	7	19.79	19.00	19.08				
1.4	16QAM	15	0	19.00	19.04	19.07				
1.4	16QAM	15	8	19.79	19.00	19.08	20	0		
1.4	16QAM	15	14	19.79	19.00	19.08				
1.4	16QAM	8	0	19.79	19.00	19.08				
1.4	16QAM	8	4	19.79	19.00	19.08	20	0		
1.4	16QAM	8	7	19.79	19.00	19.08				
1.4	16QAM	15	0	19.00	19.04	19.07				
1.4	16QAM	15	8	19.79	19.00	19.08	20	0		
1.4	16QAM	15	14	19.79	19.00	19.08				
1.4	16QAM	8	0	19.79	19.00	19.08				
1.4	16QAM	8	4	19.79	19.00	19.08	20	0		
1.4	16QAM	8	7	19.79	19.00	19.08				
1.4	16QAM	15	0	19.00	19.04	19.07				
1.4	16QAM	15	8	19.79	19.00	19.08	20	0		
1.4	16QAM	15	14	19.79	19.00	19.08				
1.4	16QAM	8	0	19.79	19.00	19.08				
1.4	16QAM	8	4	19.79	19.00	19.08	20	0		
1.4	16QAM	8	7	19.79	19.00	19.08				
1.4	16QAM	15	0	19.00	19.04	19.07				
1.4	16QAM	15	8	19.79	19.00	19.08	20	0		
1.4	16QAM	15	14	19.79	19.00	19.08				
1.4	16QAM	8	0	19.79	19.00	19.08				
1.4	16QAM	8	4	19.79	19.00	19.08	20	0		
1.4	16QAM	8	7	19.79	19.00	19.08				
1.4	16QAM	15	0	19.00	19.04	19.07				
1.4	16QAM	15	8	19.79	19.00	19.08	20	0		
1.4	16QAM	15	14	19.79	19.00	19.08				
1.4	16QAM	8	0	19.79	19.00	19.08				
1.4	16QAM	8	4	19.79	19.00	19.08	20	0		
1.4	16QAM	8	7	19.79	19.00	19.08				
1.4	16QAM	15	0	19.00	19.04	19.07				
1.4	16QAM	15	8	19.79	19.00	19.08	20	0		
1.4	16QAM	15	14	19.79	19.00	19.08				
1.4	16QAM	8	0	19.79	19.00	19.08				
1.4	16QAM	8	4	19.79	19.00	19.08	20	0		
1.4	16QAM	8	7	19.79	19.00	19.08				
1.4	16QAM	15	0	19.00	19.04	19.07				
1.4	16QAM	15	8	19.79	19.00	19.08	20	0		
1.4	16QAM	15	14	19.79	19.00	19.08				
1.4	16QAM	8	0	19.79	19.00	19.08				
1.4	16QAM	8	4							

Band 12_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up freq. [dBm]	MPR [dB]		
Channel				23660	23696	23736				
Frequency [MHz]				21.1	21.12	21.15				
10	QPSK	1	0	21.13	21.13	21.15				
10	QPSK	1	26	21.11	21.07	21.03	22	0		
10	QPSK	1	49	21.12	21.03	21.03				
10	QPSK	25	0	21.11	21.12	21.08				
10	QPSK	25	12	21.01	21.00	21.04	22	0		
10	QPSK	25	25	21.09	21.07	21.00				
10	QPSK	50	0	21.10	21.11	20.92				
10	16QAM	1	0	21.04	21.13	21.12				
10	16QAM	1	25	21.13	21.12	21.07	22	0		
10	16QAM	1	49	21.13	21.10	21.08				
10	16QAM	25	0	21.03	21.02	21.09				
10	16QAM	25	12	21.06	21.06	21.09	22	0		
10	16QAM	25	25	21.10	21.07	21.05				
10	16QAM	50	0	21.11	21.02	20.97				
10	64QAM	1	26	21.09	21.10	21.06	22	0		
10	64QAM	1	49	21.11	21.09	21.04				
10	64QAM	25	12	20.16	20.09	20.13	21	1		
10	64QAM	25	25	20.10	20.14	20.01				
10	64QAM	50	0	19.97	19.97	19.97				
10	256QAM	1	0	18.16	18.12	18.11				
10	256QAM	1	26	18.10	18.06	18.06	19	3		
10	256QAM	1	49	18.06	18.02	18.02				
10	256QAM	25	0	17.98	17.90	17.90				
10	256QAM	25	12	17.92	17.84	17.87	19	3		
10	256QAM	25	25	17.83	17.83	17.83				
10	256QAM	50	0	17.91	17.85	17.87				
Channel				23636	23696	23736	Tune-up freq. [dBm]	MPR [dB]		
Frequency [MHz]				20.97	20.89	20.87				
5	QPSK	1	0	20.97	20.89 <td>20.87</td> <td>22</td> <td colspan="2">0</td> <td></td>	20.87	22	0		
5	QPSK	1	12	20.92	20.98	20.89				
5	QPSK	1	24	21.02	20.92	20.78				
5	QPSK	12	0	21.00	21.00	20.86				
5	QPSK	12	7	20.82	20.84	20.79	22	0		
5	QPSK	12	14	20.81	20.82	20.79				
5	QPSK	25	0	21.08	20.84	20.97				
5	16QAM	1	0	21.12	21.11	20.88				
5	16QAM	1	12	20.94	20.97	21.04	22	0		
5	16QAM	1	24	21.05	21.10	20.80				
5	16QAM	12	0	20.77	20.96	20.82				
5	16QAM	12	7	20.80	20.82	20.78	22	0		
5	16QAM	12	13	21.03	20.85	21.09				
5	16QAM	25	0	20.89	21.02	20.84				
5	64QAM	1	24	21.11	21.12	20.85	22	0		
5	64QAM	1	12	20.89	20.82	21.11				
5	64QAM	1	24	21.05	20.93	21.05				
5	64QAM	12	7	20.80	20.79	20.85	21	1		
5	64QAM	12	7	20.07	19.95	20.10				
5	64QAM	12	13	20.14	19.88	20.04				
5	64QAM	25	0	19.82	19.72	19.86				
5	256QAM	1	0	18.06	18.18	18.02				
5	256QAM	1	12	18.14	17.82	18.06	19	3		
5	256QAM	1	24	17.97	17.81	17.94				
5	256QAM	12	0	17.99	17.71	17.75				
5	256QAM	12	7	17.92	17.88	17.73	19	3		
5	256QAM	12	13	17.91	17.68	17.76				
5	256QAM	25	0	17.65	17.60	17.72				
Channel				23636	23696	23766	Tune-up freq. [dBm]	MPR [dB]		
Frequency [MHz]				20.97	20.89	20.87				
3	QPSK	1	0	21.02	21.12	21.01	22	0		
3	QPSK	1	8	21.01	20.99	20.91				
3	QPSK	1	14	21.13	20.93	20.93				
3	QPSK	8	0	20.89	21.09	20.97	22	0		
3	QPSK	8	4	20.84	20.74	20.99				
3	QPSK	8	7	20.80	20.95	20.85				
3	QPSK	15	0	20.90	21.03	20.87				
3	16QAM	1	0	20.89	21.09	21.06	22	0		
3	16QAM	1	8	20.90	20.91	20.87				
3	16QAM	1	14	21.09	20.82	20.99				
3	16QAM	8	0	21.02	20.99	20.94	22	0		
3	16QAM	8	4	20.84	20.91	20.98				
3	16QAM	8	7	21.10	21.14	20.86				
3	16QAM	15	0	20.90	21.08	20.87				
3	64QAM	1	0	20.97	20.95	21.09	22	0		
3	64QAM	1	8	21.13	20.86	21.06				
3	64QAM	1	14	20.89	21.07	21.00				
3	64QAM	8	0	19.90	20.00	19.95	21	1		
3	64QAM	8	4	20.17	20.61	19.88				
3	64QAM	8	7	19.86	20.11	19.96				
3	64QAM	15	0	19.95	19.80	19.86				
3	256QAM	1	0	18.21	17.86	17.81				
3	256QAM	1	8	17.93	18.05	17.99	19	3		
3	256QAM	1	14	17.97	17.79	17.83				
3	256QAM	8	0	17.99	17.86	17.97				
3	256QAM	8	4	17.73	17.79	17.82	19	3		
3	256QAM	8	7	17.73	17.68	17.76				
3	256QAM	15	0	17.67	17.91	17.80				
Channel				23671	23696	23776	Tune-up freq. [dBm]	MPR [dB]		
Frequency [MHz]				20.97	20.89	20.87				
1.4	QPSK	1	0	20.96	21.07	21.12	22	0		
1.4	QPSK	1	3	21.14	20.95	20.89				
1.4	QPSK	1	5	21.03	21.09	20.89				
1.4	QPSK	3	0	20.94	21.07	21.07				
1.4	QPSK	3	1	20.84	20.72	20.82				
1.4	QPSK	3	3	20.92	21.07	20.73				
1.4	QPSK	6	0	21.08	20.95	20.88	22	0		
1.4	16QAM	1	0	21.08	21.10	20.92				
1.4	16QAM	1	3	21.12	20.90	20.81	22	0		
1.4	16QAM	1	5	21.07	20.99	20.89				
1.4	16QAM	3	0	20.81	21.01	20.94				
1.4	16QAM	3	1	20.84	20.85	21.13				
1.4	16QAM	3	3	20.85	21.00	20.99				
1.4	16QAM	6	0	21.10	21.09	20.73	22	0		
1.4	64QAM	1	0	21.06	21.05	20.86				
1.4	64QAM	1	3	21.07	20.91	20.87				
1.4	64QAM	1	5	21.08	21.12	21.01	22	0		
1.4	64QAM	3	0	20.85	20.83	21.11				
1.4	64QAM	3	1	20.93	20.93	21.03				
1.4	64QAM	3	3	21.03	20.99	20.98				
1.4	64QAM	6	0	19.94	19.75	20.04	21	1		
1.4	256QAM	1	0	17.93	17.85	17.85				
1.4	256QAM	1	3	18.17	18.03	17.95				
1.4	256QAM	1	5	17.78	17.98	17.84	19	3		
1.4	256QAM	3	0	17.75	17.83	17.91				
1.4	256QAM	3	1	17.74	17.75	17.85				
1.4	256QAM	3	3	17.80	17.74	17.98				
1.4	256QAM	6	0	17.72	17.81	17.85	19	3		

Band 13_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up freq. [dBm]	MPR [dB]		
Channel				23200	23230	23260				
Frequency [MHz]				20.9	20.92	20.94				
10	QPSK	1	0	20.9	20.92	20.94	21.5	0		
10	QPSK	1	26	20.92	20.92	20.92				
10	QPSK	1	49	20.91	20.91	20.91				
10	QPSK	25	0	20.9	20.93	20.93	21.5	0		
10	QPSK	25	12	20.92	20.92	20.92				
10	QPSK	25	25	20.91	20.91	20.91				
10	QPSK	50	0	20.9	20.93	20.93	21.5	0		
10	QPSK	50	25	20.91	20.91	20.91				
10	QPSK	50	50	20.92	20.92	20.92				
10	QPSK	1	49	20.91	20.91	20.91	21.5	0		
10	QPSK	25	12	20.92	20.92	20.92				
10	QPSK	25	25	20.91	20.91	20.91				
10	QPSK	50	0	20.9	20.93	20.93	21.5	0		
10	QPSK	50	25	20.91	20.91	20.91				
10	QPSK	50	50	20.92	20.92	20.92				
10	QPSK	1	25	20.92	20.92	20.92	19	2.5		
10	QPSK	1	49	20.91	20.91	20.91				
10	QPSK	1	73	20.9	20.9	20.9				
10	QPSK	25	0	20.9	20.93	20.93	19	2.5		
10	QPSK	25	12	20.92	20.92	20.92				
10	QPSK	25	25	20.91	20.91	20.91				
10	QPSK	50	0	20.9	20.93	20.93	19	2.5		
10	QPSK	50	25	20.91	20.91	20.91				
10	QPSK	50	50	20.92	20.92	20.92				
Channel				23260	23290	23320				
Frequency [MHz]				20.95	20.97	20.99				
5	QPSK	1	0	20.20	20.21	20.24	21.5	0		
5	QPSK	1	12	20.25	20.25	20.25				
5	QPSK	1	24	20.23	20.23	20.23				
5	QPSK	12	0	20.20	20.24	20.24	21.5	0		
5	QPSK	12	7	20.01	20.12	20.15				
5	QPSK	12	13	20.24	20.21	20.13				
5	QPSK	25	0	20.38	20.15	20.30	21.5	0		
5	QPSK	25	6	20.05	20.21	20.14				
5	QPSK	25	13	20.17	20.08	20.20				
5	QPSK	1	24	19.99	20.23	20.37	21.5	0		
5	QPSK	12	0	20.11	20.18	20.20				
5	QPSK	12	7	20.14	20.30	20.26				
5	QPSK	12	13	20.39	20.20	20.17	21.5	0		
5	QPSK	25	0	20.16	20.31	20.22				
5	QPSK	25	6	20.26	20.13	20.17				
5	QPSK	1	12	20.08	20.25	20.15	21.5	0		
5	QPSK	1	24	20.17	20.16	20.15				
5	QPSK	1	36	20.17	20.08	20.02				
5	QPSK	12	7	19.81	19.83	19.66	21	0.5		
5	QPSK	12	13	19.77	19.71	19.82				
5	QPSK	12	19	19.75	19.63	19.78				
5	QPSK	1	0	17.75	17.47	17.52	19	2.5		
5	QPSK	1	12	17.48	17.52	17.53				
5	QPSK	1	24	17.66	17.58	17.68				
5	QPSK	12	0	17.44	17.64	17.66	19	2.5		
5	QPSK	12	7	17.45	17.58	17.62				
5	QPSK	12	13	17.41	17.41	17.41				
5	QPSK	25	0	17.78	17.57	17.74	19	2.5		
5	QPSK	25	6	17.78	17.57	17.74				
5	QPSK	25	13	17.78	17.57	17.74				

Band 17_Ant 2										
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up time (sec)	MPE (dB)		
Channel										
				23760	23790	23800				
Frequency (MHz)				706.5	710	711.5				
10	QPSK	1	0	20.92	21.03	20.95				
10	QPSK	1	25	20.74	20.74	20.75	22	0		
10	QPSK	1	49	20.71	20.73	20.69				
10	QPSK	5	0	20.90	21.03	20.93				
10	QPSK	25	12	20.89	20.91	20.91	22	0		
10	QPSK	25	25	20.80	20.82	20.80				
10	QPSK	50	0	20.85	20.95	20.91				
10	HQAM	1	0	20.95	20.97	20.95				
10	HQAM	1	25	21.00	21.01	20.98	22	0		
10	HQAM	1	49	20.95	20.95	20.95				
10	HQAM	25	0	20.94	20.99	20.99				
10	HQAM	25	12	21.01	21.00	21.04				
10	HQAM	25	25	20.73	20.73	20.75	22	0		
10	HQAM	50	0	20.94	20.95	20.95				
10	HQAM	50	0	20.97	21.00	20.99				
10	HQAM	1	25	20.92	20.93	20.94	22	0		
10	HQAM	1	49	20.87	20.92	20.89				
10	HQAM	1	49	17.92	17.95	17.92				
10	HQAM	25	12	20.23	20.25	20.24	21	1		
10	HQAM	25	25	19.97	20.02	19.98				
10	HQAM	50	0	20.17	20.17	20.18				
10	HQAM	1	0	17.89	17.90	17.91				
10	HQAM	1	25	17.84	17.85	17.83	19	3		
10	HQAM	1	49	17.93	17.87	17.84				
10	HQAM	25	12	17.79	17.83	17.81				
10	HQAM	25	25	17.85	17.86	17.83	19	3		
10	HQAM	50	0	17.87	17.90	17.88				
Channel										
Frequency (MHz)				706.5	710	711.5	Turn-up time (sec)	MPE (dB)		
5	QPSK	1	0	20.82	20.96	20.81				
5	QPSK	1	12	20.84	20.88	20.80	22	0		
5	QPSK	1	24	20.81	20.85	20.84				
5	QPSK	12	0	20.84	20.81	20.85				
5	QPSK	12	7	20.94	20.98	20.94	22	0		
5	QPSK	13	0	20.71	20.76	20.78				
5	QPSK	25	0	20.84	20.85	20.85				
5	HQAM	1	0	20.90	20.92	20.85				
5	HQAM	1	12	20.91	20.92	20.91	22	0		
5	HQAM	1	24	20.89	20.90	20.85				
5	HQAM	12	0	20.89	20.90	20.93				
5	HQAM	12	7	20.96	20.99	20.97	22	0		
5	HQAM	12	13	20.93	20.97	20.91				
5	HQAM	25	0	20.87	20.85	20.87				
5	HQAM	1	0	20.96	20.95	20.95				
5	HQAM	1	12	20.95	20.88	20.85	22	0		
5	HQAM	1	24	20.79	20.84	20.81				
5	HQAM	12	0	20.93	20.95	20.93				
5	HQAM	12	7	20.16	20.19	20.10	21	1		
5	HQAM	12	13	19.89	19.95	19.91				
5	HQAM	25	0	20.10	20.12	20.13				
5	HQAM	1	0	18.03	18.01	18.02				
5	HQAM	1	12	17.95	17.98	17.95	19	3		
5	HQAM	1	24	18.04	18.05	18.05				
5	HQAM	12	0	17.86	18.00	17.87				
5	HQAM	12	7	17.92	17.97	17.95				
5	HQAM	12	13	17.97	17.99	17.95	19	3		
5	HQAM	25	0	18.02	18.05	17.98				

Band 25_Ant 2										
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up time (sec)	MPE (dB)		
Channel										
Frequency (MHz)				1880	1880	1880				
20	QPSK	1	0	19.08	19.10	19.05				
20	QPSK	1	49	19.04	19.03	19.06	20	0		
20	QPSK	1	99	19.02	18.99	19.00				
20	QPSK	50	0	19.04	19.09	19.05				
20	QPSK	50	24	18.97	19.07	18.98	20	0		
20	QPSK	50	50	18.95	18.99	18.91				
20	HQAM	1	0	18.90	19.04	18.93				
20	HQAM	1	49	18.86	18.94	18.91	20	0		
20	HQAM	1	99	18.90	19.09	19.07				
20	HQAM	50	0	18.85	18.91	18.95				
20	HQAM	50	24	18.85	18.92	18.97	20	0		
20	HQAM	50	50	18.78	18.93	18.90				
20	HQAM	100	0	18.83	18.95	19.00				
20	HQAM	100	0	18.83	18.95	19.00				
20	HQAM	1	49	18.87	19.00	19.00	20	0		
20	HQAM	1	99	18.78	18.88	18.87				
20	HQAM	1	99	18.78	17.72	17.78				
20	HQAM	50	24	18.87	18.97	19.03	20	0		
20	HQAM	50	50	18.81	18.92	18.92				
20	HQAM	100	0	18.83	18.95	19.00				
20	HQAM	100	0	18.83	18.95	19.00				
20	HQAM	1	0	17.45	17.55	17.44				
20	HQAM	1	49	17.54	17.53	17.48	19	1		
20	HQAM	1	99	17.25	17.23	17.28				
20	HQAM	50	0	17.24	17.22	17.45				
20	HQAM	50	24	17.36	17.28	17.51	19	1		
20	HQAM	100	0	17.40	17.40	17.50				
20	HQAM	100	0	17.30	17.30	17.55				
Channel										
Frequency (MHz)				26115	26140	26015	Turn-up time (sec)	MPE (dB)		
15	QPSK	1	0	18.99	19.04	18.95				
15	QPSK	1	37	18.95	19.03	19.01	20	0		
15	QPSK	1	74	18.94	18.94	18.96				
15	QPSK	36	0	18.99	19.00	18.97				
15	QPSK	36	20	18.88	18.97	18.93	20	0		
15	QPSK	36	36	18.79	18.94	18.92				
15	QPSK	75	0	18.87	19.00	18.83				
15	HQAM	1	0	18.81	18.94	18.88				
15	HQAM	1	37	18.83	18.85	18.86	20	0		
15	HQAM	1	74	18.83	18.99	18.97				
15	HQAM	36	0	18.76	18.85	18.83				
15	HQAM	36	20	18.76	18.82	18.86	20	0		
15	HQAM	36	36	18.68	18.87	18.95				
15	HQAM	75	0	18.76	18.82	18.86				
15	HQAM	1	0	18.74	18.84	18.82				
15	HQAM	1	37	18.82	19.01	18.91	20	0		
15	HQAM	1	74	18.73	18.89	18.81				
15	HQAM	36	20	18.60	18.59	18.58				
15	HQAM	36	36	18.75	18.82	18.83				
15	HQAM	75	0	18.71	18.85	18.84				
15	HQAM	1	0	17.37	17.45	17.37				
15	HQAM	1	37	17.45	17.47	17.37	19	1		
15	HQAM	1	74	17.20	17.46	17.40				
15	HQAM	36	0	17.17	17.68	17.38				
15	HQAM	36	20	17.28	17.20	17.45	19	1		
15	HQAM	36	36	17.45	17.53	17.50				
15	HQAM	75	0	17.21	17.30	17.51				
Channel										
Frequency (MHz)				26090	26140	26040	Turn-up time (sec)	MPE (dB)		
10	QPSK	1	0	19.01	19.04	19.02				
10	QPSK	1	25	18.94	18.94	18.96	20	0		
10	QPSK	1	49	18.94	18.93	18.95				
10	QPSK	25	0	18.98	19.00	19.01				
10	QPSK	25	12	18.88	18.98	18.93	20	0		
10	QPSK	25	25	18.79	18.90	18.90				
10	QPSK	50	0	18.84	18.99	18.82				
10	HQAM	1	0	18.84	18.95	18.88				
10	HQAM	1	49	18.84	19.01	18.99	20	0		
10	HQAM	1	99	18.83	18.87	18.90				
10	HQAM	25	0	18.78	18.83	18.90				
10	HQAM	25	12	18.75	18.88	18.94	20	0		
10	HQAM	25	25	18.70	18.85	18.94				
10	HQAM	50	0	18.76	18.83	19.00				
10	HQAM	50	0	18.74	18.83	18.93				
10	HQAM	1	25	18.81	18.92	18.94	20	0		
10	HQAM	1	49	18.71	18.88	18.75				
10	HQAM	1	99	18.85	18.85	18.95				
10	HQAM	25	12	18.78	18.91	18.95	20	0		
10	HQAM	25	25	18.74	18.85	18.84				
10	HQAM	50	0	17.38	17.47	17.35				
10	HQAM	50	12	17.46	17.48	17.46	19	1		
10	HQAM	50	25	17.16	17.62	17.38				
10	HQAM	25	0	17.60	17.21	17.43				
10	HQAM	25	12	17.60	17.48	17.50	19	1		
10	HQAM	25	25	17.45	17.53	17.50				
10	HQAM	50	0	17.24	17.31	17.46				
Channel										
Frequency (MHz)				1881.5	1880	1913.5	Turn-up time (sec)	MPE (dB)		
3	QPSK	1	0	19.00	19.01	19.01				
3	QPSK	1	12	18.97	18.94	18.96	20	0		
3	QPSK	1	25	18.97	18.98	18.97				
3	QPSK	12	0	18.99	19.03	19.00				
3	QPSK	12	7	18.92	19.00	18.92	20	0		
3	QPSK	25	0	18.95	19.00	18.95				
3	QPSK	25	12	18.86	18.99	18.88				
3	HQAM	1	0	18.84	18.96	18.88				
3	HQAM	1	12	18.84	18.99	18.90	20	0		
3	HQAM	1	24	18.83	19.03	18.98				
3	HQAM	12	0	18.78	18.86	18.91				
3	HQAM	12	7	18.79	18.90	18.90				
3	HQAM	12	13	18.69	18.84	18.91				
3	HQAM	25	0	18.73	18.85	18.97				
3	HQAM	25	12	18.72	18.88	18.92	20	0		
3	HQAM	25	25	18.69	18.88	18.94				
3	HQAM	1	12	18.80	18.94	18.90				
3	HQAM	1	24	18.72	18.83	18.90	20	0		
3	HQAM	12	0	18.72	18.83	18.90				
3	HQAM	12	7	18.73	18.86	18.91				
3	HQAM	12	13	18.65	18.80	18.87				
3	HQAM	25	0	18.77	18.88	18.93				
3	HQAM	25	12	18.76	18.89	18.95	20	0		
3	HQAM	25	25	18.70	18.85	18.92				
3	HQAM	1	0	17.38	17.48	17.38				
3	HQAM	1	12	17.45	17.47	17.35	19	1		
3	HQAM	1	24	17.26	17.46	17.40				
3	HQAM	12	0	17.14	17.63	17.39				
3	HQAM	12	7	17.16	17.61	17.41				
3	HQAM	12	13	17.45	17.52	17.52	19	1		
3	HQAM	25	0	17.22	17.33	17.51				
Channel										
Frequency (MHz)				1881.5	1880	1913.5	Turn-up time (sec)	MPE (dB)		
3	QPSK	1	0	19.00	19.00	19.00				
3	QPSK	1	12	18.97	18.92	18.92	20	0		
3	QPSK	1	14	18.97	18.93	18.93				
3	QPSK	8	0	18.95	18.98	18.90				
3	QPSK	8	7	18.87	18.97	18.87	20	0		
3	QPSK	8	7	18.79	18.89	18.90				
3	QPSK	15	0	18.84	18.99	18.83				
3	HQAM	1	0	18.86	18.96	18.86				
3	HQAM	1	8	18.80	18.87	18.91	20	0		
3	HQAM	1	14	18.81	19.03	18.97				
3	HQAM	8	0	18.83	18.96	18.88				
3	HQAM	8	4	18.80	18.91	19.01	20	0		
3	HQAM	8	4	18.71	18.87	18.99				
3	HQAM	8	7	18.72	18.84	18.97				
3	HQAM	1	0	17.72	17.84	17.83				
3	HQAM	1	8	18.79	18.91	18.95	20	0		
3	HQAM	8	0	18.78	18.85	18.95				
3	HQAM	8	4	18.76	18.90	19.01				
3	HQAM	8	0	18.75	18.86	18.97	20	0		
3	HQAM	8	0	18.70	18.83	18.93				
3	HQAM	8	7	18.62	18.82	18.91				
3	HQAM	1	0	16.68	16.68	16.62				
3	HQAM	3	0	16.87	16.86	16.84	20	0		
3	HQAM	3	0	16.72	16.72	16.72				
3	HQAM	3	7	16.78	16.78	16.78				
3	HQAM	3	1	17.29	17.16	17.45				
3	HQAM	3	3	17.41	17.39	17.49	19	1		
3	HQAM	3	3	17.41	17.39	17.49				

Band 30_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mid Ch. (Freq.)	Power High Ch. (Freq.)	Turn-up limit (dBm)	MPR (dB)	
Channel 27710									
Frequency (MHz)									
10	QPSK	1	0	15.30			16.5	0	
10	QPSK	1	26	15.40					
10	QPSK	1	49	15.30					
10	QPSK	25	0	15.30					
10	QPSK	25	12	15.22					
10	QPSK	25	25	15.27			16.5	0	
10	QPSK	50	0	15.30					
10	16QAM	1	0	15.30					
10	16QAM	1	25	15.21					
10	16QAM	1	49	15.25					
10	16QAM	25	12	15.27			16.5	0	
10	16QAM	25	25	15.31					
10	16QAM	50	0	15.21					
10	16QAM	50	8	15.23					
10	16QAM	50	9	15.31					
10	16QAM	1	25	15.30			16.5	0	
10	16QAM	1	49	15.32					
10	16QAM	25	12	15.27					
10	16QAM	25	25	15.35					
10	16QAM	50	0	15.23					
10	16QAM	50	8	15.31			16.5	0	
10	16QAM	50	9	15.30					
10	16QAM	1	25	15.30					
10	16QAM	1	49	15.32					
10	16QAM	25	12	15.27					
10	16QAM	25	25	15.35			16.5	0	
10	16QAM	50	0	15.19					
10	16QAM	50	8	15.19					
10	16QAM	50	9	15.30					
10	16QAM	50	9	15.19					
10	16QAM	50	9	15.30					
10	16QAM	50	9	15.19					
Channel 27715									
Frequency (MHz)									
5	QPSK	1	0	15.30	15.33	15.35	16.5	0	
5	QPSK	1	12	15.25	15.20	15.20			
5	QPSK	1	24	15.21	15.23	15.25			
5	QPSK	12	0	15.32	15.32	15.32			
5	QPSK	12	7	15.12	15.12	15.14			
5	QPSK	12	0	15.10	15.21	15.19	16.5	0	
5	QPSK	25	0	15.30	15.32	15.28			
5	16QAM	1	0	15.24	15.24	15.20			
5	16QAM	1	24	15.17	15.17	15.19			
5	16QAM	12	0	15.11	15.11	15.10			
5	16QAM	12	7	15.13	15.10	15.11	16.5	0	
5	16QAM	12	13	15.23	15.24	15.21			
5	16QAM	25	0	15.11	15.10	15.14			
5	16QAM	25	0	15.24	15.24	15.20			
5	16QAM	1	12	15.21	15.22	15.22			
5	16QAM	1	24	15.27	15.22	15.26	16.5	0	
5	16QAM	12	0	15.27	15.25	15.26			
5	16QAM	12	7	15.22	15.21	15.21			
5	16QAM	12	13	15.26	15.29	15.28			
5	16QAM	25	0	15.13	15.10	15.13			
5	16QAM	1	0	15.24	15.24	15.24	16.5	0	
5	16QAM	1	12	15.22	15.22	15.26			
5	16QAM	1	24	15.10	15.10	15.10			
5	16QAM	12	0	15.09	15.13	15.14			
5	16QAM	12	7	15.02	15.01	15.00			
5	16QAM	25	0	15.10	15.10	15.14	16.5	0	
5	16QAM	25	13	15.07	15.08	15.07			
5	16QAM	25	13	15.07	15.08	15.07			

Band 66_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mids Ch. (Freq.)	Power High Ch. (Freq.)	Turn-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	20.15	19.98	20.58		21	0		
20	QPSK	1	49	19.85	19.75	20.04					
20	QPSK	1	99	19.82	19.74	19.97					
20	QPSK	50	0	20.13	19.95	20.54					
20	QPSK	50	24	19.96	19.81	20.00					
20	QPSK	50	50	19.87	19.79	20.02		21	0		
20	QPSK	100	0	20.10	19.81	19.99					
20	16QAM	1	0	19.90	19.85	19.90					
20	16QAM	1	49	19.82	19.86	19.86					
20	16QAM	1	99	19.88	19.88	19.85					
20	16QAM	50	24	19.88	19.88	19.85		21	0		
20	16QAM	50	50	19.84	19.77	19.82					
20	16QAM	100	0	19.72	19.79	19.96					
20	16QAM	1	49	19.87	19.95	19.82					
20	16QAM	1	99	19.60	19.80	19.71		21	0		
20	16QAM	1	24	19.75	19.85	19.23					
20	16QAM	50	24	19.67	19.93	19.82					
20	16QAM	50	50	19.72	19.72	19.89					
20	16QAM	50	9	19.27	19.53	19.87					
20	16QAM	50	38	19.27	19.53	19.87		19	2		
20	16QAM	50	1	18.31	18.22	18.29					
20	16QAM	1	49	18.28	18.23	18.23					
20	16QAM	1	99	18.31	18.23	18.23					
20	16QAM	50	0	18.33	18.18	18.25					
20	16QAM	50	24	18.32	18.19	18.25		19	2		
20	16QAM	50	7	18.32	18.22	18.25					
20	16QAM	50	0	18.30	18.13	18.25					
20	16QAM	50	0	18.30	18.13	18.25					
20	16QAM	50	0	18.30	18.13	18.25					
Channel											
Frequency (MHz)											
15	QPSK	1	0	20.08	20.05	19.86		21	0		
15	QPSK	1	37	19.85	19.59	19.80					
15	QPSK	1	74	19.79	19.75	20.01					
15	QPSK	36	0	19.86	19.80	20.01					
15	QPSK	36	20	19.73	19.75	20.01					
15	QPSK	36	38	19.24	19.57	19.85		21	0		
15	QPSK	75	0	19.32	19.80	19.92					
15	16QAM	1	0	19.82	19.73	19.71					
15	16QAM	1	37	19.74	19.69	19.75					
15	16QAM	1	74	19.83	19.91	19.74					
15	16QAM	36	0	19.68	19.70	19.85		21	0		
15	16QAM	36	20	19.62	19.75	19.85					
15	16QAM	36	38	19.54	19.56	19.65					
15	16QAM	75	0	19.48	19.64	19.80					
15	16QAM	1	0	19.15	19.70	19.85					
15	16QAM	1	37	19.91	19.85	19.82		19	2		
15	16QAM	1	74	19.62	19.73	19.58					
15	16QAM	1	0	19.14	19.70	19.85					
15	16QAM	36	20	19.49	19.83	19.52					
15	16QAM	36	39	19.68	19.72	19.73					
15	16QAM	1	0	19.10	19.67	19.75		19	2		
15	16QAM	1	37	18.33	18.01	18.09					
15	16QAM	1	74	18.35	18.10	18.14					
15	16QAM	36	20	18.10	18.08	18.06					
15	16QAM	36	39	18.42	18.05	18.06					
15	16QAM	75	0	18.24	18.17	18.08		19	2		
15	16QAM	75	0	18.24	18.17	18.08					
15	16QAM	75	0	18.24	18.17	18.08					
15	16QAM	75	0	18.24	18.17	18.08					
15	16QAM	75	0	18.24	18.17	18.08					
Channel											
Frequency (MHz)											
10	QPSK	1	0	19.95	19.77	20.00		21	0		
10	QPSK	1	25	19.89	19.60	20.00					
10	QPSK	1	49	19.83	19.63	19.85					
10	QPSK	25	0	19.91	19.81	19.98					
10	QPSK	25	12	19.79	19.74	19.81					
10	QPSK	25	12	19.79	19.74	19.81		21	0		
10	QPSK	50	0	19.89	19.66	20.00					
10	QPSK	50	0	20.03	19.81	19.98					
10	16QAM	1	0	19.85	19.61	19.88					
10	16QAM	1	25	19.84	19.67	19.75					
10	16QAM	1	49	19.84	19.88	19.82		21	0		
10	16QAM	25	0	19.64	19.76	19.85					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	25	1				19	2		
10	16QAM	25	0	19.64	19.76	19.85					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25	12	19.55	19.61	19.70		19	2		
10	16QAM	25	12	19.55	19.61	19.70					
10	16QAM	25									

Band 41_Ant 8										
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	19.4	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.22	18.51	18.30	18.20	18.47	19.4	0
20	QPSK	1	49	18.21	18.55	18.28	18.21	18.49		
20	QPSK	1	99	18.24	18.58	18.35	18.22	18.51		
20	QPSK	50	0	18.22	18.56	18.32	18.20	18.48		
20	QPSK	50	24	18.17	18.51	18.27	18.12	18.41	19.4	0
20	QPSK	50	50	18.16	18.55	18.28	18.15	18.43		
20	QPSK	100	0	18.20	18.54	18.20	18.18	18.47		
20	16QAM	1	0	18.26	18.51	18.27	18.22	18.47		
20	16QAM	1	49	18.29	18.53	18.30	18.25	18.51	19.4	0
20	16QAM	1	99	18.27	18.53	18.26	18.26	18.48		
20	16QAM	50	0	18.22	18.53	18.24	18.19	18.49		
20	16QAM	50	24	18.24	18.51	18.27	18.22	18.48		
20	16QAM	50	50	18.22	18.52	18.26	18.22	18.49	19.4	0
20	16QAM	100	0	18.21	18.52	18.25	18.22	18.43		
20	64QAM	1	0	18.22	18.49	18.25	18.21	18.47		
20	64QAM	1	49	18.27	18.51	18.28	18.23	18.47		
20	64QAM	1	99	18.27	18.54	18.26	18.24	18.47	19.4	0
20	64QAM	50	0	18.26	18.57	18.28	18.24	18.51		
20	64QAM	50	24	18.25	18.52	18.24	18.21	18.46		
20	64QAM	50	50	18.23	18.50	18.24	18.20	18.43		
20	64QAM	100	0	18.25	18.55	18.23	18.21	18.49	19	0.4
20	256QAM	1	0	17.47	17.54	17.45	17.49	17.50		
20	256QAM	1	49	17.46	17.49	17.45	17.43	17.46		
20	256QAM	1	99	17.47	17.53	17.50	17.51	17.51		
20	256QAM	50	0	17.50	17.55	17.42	17.52	17.51	19	0.4
20	256QAM	50	24	17.44	17.52	17.39	17.48	17.46		
20	256QAM	50	50	17.42	17.47	17.45	17.46	17.45		
20	256QAM	100	0	17.45	17.59	17.48	17.44	17.43		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	19.4	0
15	QPSK	1	0	18.15	18.43	18.21	18.12	18.41		
15	QPSK	1	37	18.16	18.45	18.18	18.13	18.39	19.4	0
15	QPSK	1	74	18.16	18.49	18.28	18.13	18.41		
15	QPSK	36	0	18.12	18.48	18.26	18.12	18.43		
15	QPSK	36	20	18.12	18.46	18.18	18.06	18.31		
15	QPSK	36	39	18.09	18.49	18.19	18.06	18.33	19.4	0
15	QPSK	75	0	18.15	18.44	18.13	18.10	18.42		
15	16QAM	1	0	18.16	18.46	18.17	18.17	18.39		
15	16QAM	1	37	18.20	18.48	18.20	18.17	18.46		
15	16QAM	1	74	18.18	18.46	18.16	18.17	18.43	19.4	0
15	16QAM	36	0	18.17	18.47	18.19	18.11	18.42		
15	16QAM	36	20	18.18	18.45	18.17	18.14	18.42		
15	16QAM	36	39	18.16	18.46	18.21	18.13	18.39		
15	16QAM	75	0	18.15	18.45	18.20	18.14	18.38	19.4	0
15	64QAM	1	0	18.15	18.43	18.15	18.12	18.42		
15	64QAM	1	37	18.17	18.43	18.19	18.13	18.41		
15	64QAM	1	74	18.21	18.45	18.20	18.18	18.42		
15	64QAM	36	0	18.21	18.49	18.22	18.19	18.44	19.4	0
15	64QAM	36	20	18.16	18.42	18.14	18.15	18.37		
15	64QAM	36	39	18.15	18.43	18.19	18.13	18.38		
15	64QAM	75	0	18.19	18.45	18.15	18.15	18.43		
15	256QAM	1	0	17.47	17.54	17.37	17.40	17.41	19	0.4
15	256QAM	1	37	17.42	17.48	17.37	17.37	17.36		
15	256QAM	1	74	17.47	17.54	17.44	17.41	17.43		
15	256QAM	36	0	17.45	17.48	17.37	17.42	17.44		
15	256QAM	36	20	17.41	17.49	17.31	17.40	17.41	19	0.4
15	256QAM	36	39	17.38	17.49	17.40	17.40	17.38		
15	256QAM	75	0	17.39	17.61	17.43	17.35	17.35		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dbm)	MPR (dB)
10	QPSK	1	0	18.16	18.46	18.24	18.12	18.40	19.4	0
10	QPSK	1	25	18.16	18.46	18.23	18.11	18.42		
10	QPSK	1	49	18.18	18.53	18.30	18.12	18.44		
10	QPSK	25	0	18.13	18.47	18.24	18.13	18.38		
10	QPSK	25	12	18.09	18.46	18.18	18.05	18.35	19.4	0
10	QPSK	25	25	18.07	18.50	18.21	18.05	18.37		
10	QPSK	50	0	18.15	18.46	18.15	18.12	18.42		
10	16QAM	1	0	18.19	18.43	18.19	18.17	18.41		
10	16QAM	1	25	18.24	18.48	18.24	18.15	18.41	19.4	0
10	16QAM	1	49	18.18	18.46	18.16	18.19	18.38		
10	16QAM	25	0	18.15	18.44	18.17	18.14	18.42		
10	16QAM	25	12	18.16	18.44	18.22	18.15	18.40		
10	16QAM	25	25	18.12	18.45	18.21	18.16	18.43	19.4	0
10	16QAM	50	0	18.14	18.45	18.18	18.12	18.38		
10	64QAM	1	0	18.13	18.42	18.17	18.13	18.41		
10	64QAM	1	25	18.17	18.42	18.20	18.17	18.42		
10	64QAM	1	49	18.22	18.47	18.16	18.18	18.42	19.4	0
10	64QAM	25	0	18.16	18.51	18.21	18.17	18.42		
10	64QAM	25	12	18.18	18.44	18.14	18.11	18.36		
10	64QAM	25	25	18.15	18.40	18.16	18.11	18.35		
10	64QAM	50	0	18.20	18.48	18.14	18.13	18.39	19	0.4
10	256QAM	1	0	17.47	17.54	17.38	17.40	17.45		
10	256QAM	1	25	17.39	17.47	17.39	17.34	17.37		
10	256QAM	1	49	17.46	17.54	17.43	17.45	17.43		
10	256QAM	25	0	17.48	17.54	17.37	17.45	17.44	19	0.4
10	256QAM	25	12	17.38	17.45	17.31	17.38	17.41		
10	256QAM	25	25	17.40	17.44	17.38	17.39	17.35		
10	256QAM	50	0	17.40	17.55	17.39	17.34	17.36		
Channel				39675	40148	40620	41093	41585	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	19.4	0
5	QPSK	1	0	18.12	18.41	18.25	18.14	18.37		
5	QPSK	1	12	18.12	18.48	18.22	18.16	18.41	19.4	0
5	QPSK	1	24	18.19	18.51	18.25	18.13	18.44		
5	QPSK	12	0	18.15	18.50	18.25	18.11	18.43		
5	QPSK	12	7	18.10	18.42	18.20	18.05	18.35		
5	QPSK	12	13	18.06	18.48	18.22	18.05	18.33	19.4	0
5	QPSK	25	0	18.19	18.49	18.12	18.09	18.41		
5	16QAM	1	0	18.19	18.43	18.20	18.17	18.40		
5	16QAM	1	12	18.20	18.43	18.25	18.16	18.46		
5	16QAM	1	24	18.18	18.45	18.16	18.16	18.42	19.4	0
5	16QAM	12	0	18.13	18.46	18.18	18.09	18.40		
5	16QAM	12	7	18.17	18.43	18.19	18.16	18.40		
5	16QAM	12	13	18.15	18.42	18.21	18.12	18.43		
5	16QAM	25	0	18.15	18.46	18.19	18.17	18.34	19.4	0
5	64QAM	1	0	18.16	18.39	18.15	18.12	18.40		
5	64QAM	1	12	18.22	18.45	18.22	18.16	18.38		
5	64QAM	1	24	18.22	18.47	18.17	18.17	18.39		
5	64QAM	12	0	18.16	18.49	18.19	18.16	18.45	19.4	0
5	64QAM	12	7	18.16	18.47	18.19	18.11	18.39		
5	64QAM	12	13	18.16	18.42	18.18	18.12	18.37		
5	64QAM	25	0	18.15	18.48	18.17	18.15	18.43		
5	256QAM	1	0	17.47	17.54	17.38	17.43	17.42	19	0.4
5	256QAM	1	12	17.40	17.45	17.40	17.34	17.41		
5	256QAM	1	24	17.44	17.51	17.44	17.45	17.45		
5	256QAM	12	0	17.53	17.58	17.37	17.44	17.45		
5	256QAM	12	7	17.46	17.46	17.34	17.38	17.36	19	0.4
5	256QAM	12	13	17.39	17.41	17.40	17.39	17.36		
5	256QAM	25	0	17.42	17.57	17.38	17.39	17.35		

Band 48_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	20.39	20.63	20.33	20.35	21.5	0
20	QPSK	1	49	20.31	20.59	20.37	20.31		
20	QPSK	1	99	20.63	20.79	20.52	20.48		
20	QPSK	50	0	20.60	20.78	20.50	20.45		
20	QPSK	50	24	20.51	20.77	20.41	20.37	21.5	0
20	QPSK	50	50	20.53	20.74	20.43	20.36		
20	QPSK	100	0	20.58	20.75	20.38	20.31		
20	16QAM	1	0	20.71	20.70	20.65	20.56		
20	16QAM	1	49	20.78	20.71	20.51	20.79	21.5	0
20	16QAM	1	99	20.67	20.77	20.56	20.73		
20	16QAM	50	0	20.77	20.71	20.58	20.71		
20	16QAM	50	24	20.66	20.79	20.60	20.79		
20	16QAM	50	50	20.72	20.78	20.79	20.61	21.5	0
20	16QAM	100	0	20.51	20.62	20.47	20.56		
20	64QAM	1	0	20.20	20.37	20.12	20.17		
20	64QAM	1	49	20.21	20.32	20.28	20.18	21.5	0
20	64QAM	1	99	20.16	20.27	20.13	20.23		
20	64QAM	50	0	19.92	20.11	20.19	20.15		
20	64QAM	50	24	19.89	20.16	20.11	20.19		
20	64QAM	50	50	20.17	20.09	19.91	19.87	21	0.5
20	64QAM	100	0	20.12	20.10	19.84	19.95		
20	256QAM	1	0	18.00	18.01	17.95	17.73		
20	256QAM	1	49	17.89	17.84	17.88	17.71	19	2.5
20	256QAM	1	99	17.63	17.90	17.72	17.81		
20	256QAM	50	0	18.06	18.15	17.97	18.19		
20	256QAM	50	24	17.94	18.19	18.16	18.00		
20	256QAM	50	50	18.06	18.12	17.85	17.88	19	2.5
20	256QAM	100	0	18.07	18.11	17.90	18.12		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	20.20	20.71	20.08	20.19	21.5	0
15	QPSK	1	37	20.18	20.48	20.40	20.22		
15	QPSK	1	74	20.63	20.70	20.31	20.56		
15	QPSK	36	0	20.39	20.54	20.47	20.53		
15	QPSK	36	20	20.44	20.64	20.79	20.41	21.5	0
15	QPSK	36	39	20.26	20.66	20.57	20.49		
15	QPSK	75	0	20.38	20.62	20.44	20.18		
15	16QAM	1	0	20.55	20.77	20.51	20.56		
15	16QAM	1	37	20.64	20.78	20.43	20.62	21.5	0
15	16QAM	1	74	20.56	20.54	20.64	20.50		
15	16QAM	36	0	20.77	20.58	20.41	20.45		
15	16QAM	36	20	20.68	20.58	20.56	20.73		
15	16QAM	36	39	20.49	20.50	20.54	20.63	21.5	0
15	16QAM	75	0	20.40	20.59	20.30	20.60		
15	64QAM	1	0	20.28	20.25	20.15	19.93		
15	64QAM	1	37	20.27	20.27	20.11	20.19		
15	64QAM	1	74	20.08	20.08	19.96	20.02	21	0.5
15	64QAM	36	0	19.88	19.85	20.00	19.99		
15	64QAM	36	20	19.79	20.14	19.99	20.03		
15	64QAM	36	39	20.18	20.16	19.76	19.82		
15	64QAM	75	0	20.06	19.88	19.88	19.92	19	2.5
15	256QAM	1	0	17.84	17.75	17.83	17.67		
15	256QAM	1	37	17.75	17.59	17.73	17.50		
15	256QAM	1	74	17.65	17.72	17.48	17.67		
15	256QAM	36	0	17.99	17.99	17.85	17.95	19	2.5
15	256QAM	36	20	17.79	17.94	18.12	18.06		
15	256QAM	36	39	17.93	17.84	17.72	17.75		
15	256QAM	75	0	17.95	17.90	17.75	18.00		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	20.45	20.45	20.19	20.33	21.5	0
10	QPSK	1	25	20.12	20.54	20.41	20.29		
10	QPSK	1	49	20.43	20.53	20.51	20.28		
10	QPSK	25	0	20.44	20.68	20.35	20.22		
10	QPSK	25	12	20.49	20.54	20.64	20.65	21.5	0
10	QPSK	25	25	20.33	20.51	20.63	20.63		
10	QPSK	50	0	20.33	20.71	20.33	20.29		
10	16QAM	1	0	20.78	20.75	20.68	20.42		
10	16QAM	1	25	20.53	20.54	20.55	20.72	21.5	0
10	16QAM	1	49	20.48	20.77	20.61	20.51		
10	16QAM	25	0	20.64	20.44	20.30	20.44		
10	16QAM	25	12	20.63	20.68	20.58	20.50		
10	16QAM	25	25	20.53	20.74	20.70	20.41	21.5	0
10	16QAM	50	0	20.50	20.61	20.37	20.43		
10	64QAM	1	0	20.12	20.15	19.87	20.03		
10	64QAM	1	25	20.02	20.28	20.06	20.24		
10	64QAM	1	49	20.12	20.27	20.07	20.23	21	0.5
10	64QAM	25	0	19.88	19.98	20.26	19.96		
10	64QAM	25	12	19.63	20.04	19.94	20.27		
10	64QAM	25	25	19.93	20.14	19.95	19.89		
10	64QAM	50	0	20.16	20.08	19.66	19.89	19	2.5
10	256QAM	1	0	17.88	17.94	17.76	17.74		
10	256QAM	1	25	17.71	17.81	17.85	17.45		
10	256QAM	1	49	17.64	17.91	17.79	17.55		
10	256QAM	25	0	17.86	17.88	17.81	18.10	19	2.5
10	256QAM	25	12	17.80	17.94	18.20	17.86		
10	256QAM	25	25	18.02	18.02	17.73	17.89		
10	256QAM	50	0	17.91	18.10	17.62	17.92		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	20.33	20.71	20.16	20.37	21.5	0
5	QPSK	1	12	20.15	20.48	20.27	20.09		
5	QPSK	1	24	20.49	20.65	20.26	20.45		
5	QPSK	12	0	20.38	20.60	20.58	20.25		
5	QPSK	12	7	20.74	20.50	20.49	20.53	21.5	0
5	QPSK	12	13	20.46	20.70	20.66	20.72		
5	QPSK	25	0	20.61	20.55	20.29	20.13		
5	16QAM	1	0	20.79	20.53	20.48	20.39		
5	16QAM	1	12	20.67	20.67	20.44	20.77	21.5	0
5	16QAM	1	24	20.65	20.62	20.36	20.71		
5	16QAM	12	0	20.61	20.53	20.37	20.72		
5	16QAM	12	7	20.50	20.63	20.52	20.61		
5	16QAM	12	13	20.71	20.63	20.69	20.37	21.5	0
5	16QAM	25	0	20.57	20.69	20.34	20.29		
5	64QAM	1	0	20.09	20.27	19.96	20.13		
5	64QAM	1	12	20.20	20.29	20.10	19.95		
5	64QAM	1	24	20.15	20.18	20.04	20.18	21	0.5
5	64QAM	12	0	19.94	19.91	20.24	20.19		
5	64QAM	12	7	19.83	20.23	20.15	20.02		
5	64QAM	12	13	19.94	19.89	19.89	19.89		
5	64QAM	25	0	19.99	19.87	19.77	19.91	19	2.5
5	256QAM	1	0	17.89	17.79	18.00	17.55		
5	256QAM	1	12	17.83	17.85	17.80	17.58		
5	256QAM	1	24	17.67	17.64	17.57	17.87		
5	256QAM	12	0	18.10	18.21	17.76	18.14	19	2.5
5	256QAM	12	7	17.99	17.99	18.09	17.80		
5	256QAM	12	13	17.81	17.90	17.91	17.68		
5	256QAM	25	0	17.93	18.08	17.64	17.85		



DSI3

Band 2_Ant 2														
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-on Time (sec)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.33	21.31	21.28	22.5	0						
20	QPSK	1	49	21.17	21.29	21.24								
20	QPSK	1	99	21.19	21.21	21.16								
20	QPSK	50	0	21.20	21.28	21.16	22.5	0						
20	QPSK	50	24	21.16	21.17	21.06								
20	QPSK	50	50	21.11	21.23	20.91								
20	QPSK	100	0	21.23	21.15	21.14	22.5	0						
20	QPSK	100	0	21.06	21.15	21.05								
20	QPSK	1	49	21.09	21.13	21.05								
20	QPSK	1	99	21.17	21.04	20.91	22	0.5						
20	QPSK	50	0	20.71	20.58	20.45								
20	QPSK	50	24	20.62	20.61	20.63								
20	QPSK	100	0	20.55	20.51	20.53	22	0.5						
20	QPSK	1	0	20.63	20.63	20.59								
20	QPSK	1	49	20.73	20.47	20.31								
20	QPSK	50	0	19.57	19.48	19.39	21	1.5						
20	QPSK	50	24	19.59	19.51	19.54								
20	QPSK	50	50	19.56	19.54	19.51								
20	QPSK	100	0	19.62	19.62	19.55	19	3.5						
20	QPSK	1	49	19.34	19.43	19.36								
20	QPSK	1	99	19.33	19.33	19.35								
20	QPSK	50	0	19.32	19.32	19.37	19	3.5						
20	QPSK	50	24	19.38	19.41	19.39								
20	QPSK	50	50	19.29	19.30	19.31								
20	QPSK	100	0	19.30	19.32	19.31								
Channel														
Frequency (MHz)														
15	QPSK	1	0	21.02	21.03	21.02	22.5	0						
15	QPSK	1	37	21.09	21.13	21.14								
15	QPSK	1	74	21.12	21.13	21.06								
15	QPSK	36	0	21.02	21.11	21.03	22.5	0						
15	QPSK	36	20	21.10	21.11	20.99								
15	QPSK	36	39	21.05	21.17	20.83								
15	QPSK	1	0	21.02	21.08	21.03	22.5	0						
15	QPSK	1	0	20.98	21.10	20.95								
15	QPSK	1	37	21.02	21.05	20.96								
15	QPSK	1	74	21.09	21.13	21.06	22	0.5						
15	QPSK	36	0	20.63	20.53	20.57								
15	QPSK	36	20	20.65	20.51	20.57								
15	QPSK	36	39	20.62	20.51	20.54	21	1.5						
15	QPSK	36	20	20.55	20.45	20.46								
15	QPSK	36	39	20.49	20.45	20.46								
15	QPSK	1	0	20.67	20.54	20.59	22	0.5						
15	QPSK	1	37	20.62	20.58	20.58								
15	QPSK	1	74	20.47	20.37	20.51								
15	QPSK	36	0	19.61	19.41	19.54	19	3.5						
15	QPSK	36	20	19.52	19.52	19.51								
15	QPSK	36	39	19.49	19.45	19.42								
15	QPSK	75	0	19.54	19.52	19.48	19	3.5						
15	QPSK	75	0	19.54	19.52	19.48								
15	QPSK	75	0	19.54	19.52	19.48								
15	QPSK	1	37	19.23	19.22	19.27	19	3.5						
15	QPSK	1	74	19.23	19.28	19.29								
15	QPSK	36	0	19.25	19.26	19.26								
15	QPSK	36	20	19.33	19.35	19.33	19	3.5						
15	QPSK	36	39	19.23	19.24	19.25								
15	QPSK	75	0	19.34	19.34	19.28								
Channel														
Frequency (MHz)														
10	QPSK	1	0	21.04	21.01	21.03	22.5	0						
10	QPSK	1	26	21.10	21.15	21.15								
10	QPSK	1	49	21.12	21.14	21.10								
10	QPSK	12	0	21.02	21.02	21.04	22.5	0						
10	QPSK	12	12	21.10	21.12	20.97								
10	QPSK	25	25	21.03	21.18	20.83								
10	QPSK	1	0	21.02	21.08	21.03	22.5	0						
10	QPSK	1	0	20.98	21.06	20.98								
10	QPSK	1	26	21.04	21.07	20.95								
10	QPSK	1	49	21.13	21.09	21.03	22	0.5						
10	QPSK	12	0	20.62	20.51	20.55								
10	QPSK	12	12	20.67	20.56	20.56								
10	QPSK	25	25	20.63	20.63	20.64	21	1.5						
10	QPSK	50	0	20.48	20.47	20.45								
10	QPSK	1	0	20.55	20.55	20.45								
10	QPSK	1	26	20.63	20.41	20.57	22	0.5						
10	QPSK	1	49	20.43	20.39	20.56								
10	QPSK	25	0	19.50	19.59	19.53								
10	QPSK	25	12	19.54	19.45	19.39	21	1.5						
10	QPSK	50	0	19.46	19.46	19.42								
10	QPSK	50	0	19.57	19.53	19.46								
10	QPSK	50	0	19.26	19.30	19.31	19	3.5						
10	QPSK	1	26	19.22	19.22	19.23								
10	QPSK	1	49	19.25	19.26	19.27								
10	QPSK	25	0	19.25	19.25	19.26	19	3.5						
10	QPSK	25	12	19.32	19.32	19.28								
10	QPSK	25	25	19.23	19.23	19.21								
10	QPSK	1	26	19.29	19.17	19.33	19	3.5						
10	QPSK	1	49	19.29	19.17	19.33								
10	QPSK	1	26	19.29	19.17	19.33								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.25	21.25	21.23	22.5	0						
5	QPSK	1	12	21.09	21.13	21.16								
5	QPSK	1	24	21.09	21.16	21.10								
5	QPSK	12	0	21.21	21.22	21.02	22.5	0						
5	QPSK	12	12	21.10	21.12	20.94								
5	QPSK	25	25	21.03	21.18	20.83								
5	QPSK	1	0	21.02	21.08	21.03	22.5	0						
5	QPSK	1	0	20.98	21.05	20.98								
5	QPSK	1	12	21.02	21.09	21.01								
5	QPSK	1	24	21.12	20.97	21.01	22	0.5						
5	QPSK	12	0	20.61	20.48	20.40								
5	QPSK	12	12	20.62	20.52	20.52								
5	QPSK	25	25	20.59	20.55	20.58	21	1.5						
5	QPSK	50	0	20.47	20.46	20.43								
5	QPSK	1	0	20.54	20.54	20.43								
5	QPSK	1	12	20.68	20.42	20.39	22	0.5						
5	QPSK	1	24	20.65	20.40	20.39								
5	QPSK	12	24	19.47	19.41	19.41								
5	QPSK	12	7	19.53	19.42	19.37	21	1.5						
5	QPSK	25	0	19.47	19.46	19.46								
5	QPSK	25	0	19.52	19.57	19.49								
5	QPSK	1	0	19.29	19.38	19.26	19	3.5						
5	QPSK	1	12	19.24	19.28	19.28								
5	QPSK	1	24	19.28	19.28	19.30								
5	QPSK	12	0	19.22	19.26	19.27	19	3.5						
5	QPSK	12	12	19.32	19.32	19.27								
5	QPSK	12	12	19.19	19.23	19.25								
5	QPSK	25	0	19.30	19.19	19.33	19	3.5						
5	QPSK	25	12	19.30	19.19	19.33								
5	QPSK	25	25	19.30	19.19	19.33								
Channel														
Frequency (MHz)														
3	QPSK	1	0	21.25	21.21	21.20	22.5	0						
3	QPSK	1	10	21.15	21.16	21.15								
3	QPSK	1	14	21.13	21.14	21.08								
3	QPSK	8	0	21.19	21.20	21.02	22.5	0						
3	QPSK	8	8	21.07	21.07	21.08								
3	QPSK	7	7	21.02	21.14	20.82								
3	QPSK	15	0	21.14	21.09	21.05	22.5	0						
3	QPSK	15	0	21.04	21.06	21.05								
3	QPSK	15	0	21.04	21.06	21.05								
3	QPSK	1	8	21.01	21.08	21.01	22	0.5						
3	QPSK	1	14	21.12	20.97	20.88								
3	QPSK	1	20	20.98	20.97	20.97								
3	QPSK	8	0	20.92	20.55	20.58	22	0.5						
3	QPSK	8	7	20.81	20.62	20.64								
3	QPSK	8	14	20.50	20.67	20.63								
3	QPSK	1	0	20.98	20.53	20.57	21	1.5						
3	QPSK	1	8	20.84	20.39	20.39								
3	QPSK	1	14	20.45	20.44	20.44								
3	QPSK	8	0	19.47	19.38	19.51	19	3.5						
3	QPSK	8	8	19.36	19.46	19.39								
3	QPSK	8	14	19.47	19.43	19.43								
3	QPSK	15	0	19.56	19.52	19.49	19	3.5						
3	QPSK	15	0	19.56	19.52	19.49								
3	QPSK	15	0	19.56	19.52	19.49								
3	QPSK	1	8	19.20	19.23	19.27	19	3.5						
3	QPSK	1	14	19.20	19.23	19.22								
3	QPSK	1	20	19.23	19.23	19.26								
3	QPSK	8	0	19.33	19.34	19.33	19	3.5						
3	QPSK	8	7	19.32	19.20	19.25								
3	QPSK	8	14	19.34	19.23	19.31								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	19.67	19.60	19.63	22.5	0						
1.4	QPSK	1	0	19.67	19.60	19.63								
1.4	QPSK	1	3	21.06	21.15	21.16								
1.4	QPSK	1	5	21.10	21.15	21.08	22.5	0						
1.4	QPSK	1	3	21.07	21.07	21.07								
1.4	QPSK	1	3	21.07	21.07	21.07								
1.4	QPSK	3	0	21.05	21.15	20.85	22.5	0						
1.4	QPSK	3	0	21.06	21.15	20.95								
1.4	QPSK	3	0	21.09	21.05	20.98								
1.4	QPSK	1	3	21.03	21.04	20.99	22	0.5						
1.4	QPSK	1	3	21.03	20.91	20.77								
1.4	QPSK	1	3	21.06	20.91	20.84								
1.4	QPSK	1	3	21.03	21.04	20.93	22	0.5						
1.4	QPSK	1	3	21.03	20.91	20.77								
1.4	QPSK	1	3	21.06										

Band 30_Ant 8														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-up Init (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	17.78	17.80	17.82	19	0						
10	QPSK	1	25	17.80	17.82	17.84								
10	QPSK	1	49	17.82	17.84	17.86	19	0						
10	QPSK	25	0	17.82	17.84	17.86								
10	QPSK	25	12	17.84	17.86	17.88	19	0						
10	QPSK	25	25	17.86	17.88	17.90								
10	QPSK	50	0	17.86	17.88	17.90	19	0						
10	16QAM	1	0	17.88	17.90	17.92								
10	16QAM	1	49	17.92	17.94	17.96	19	0						
10	16QAM	25	0	17.92	17.94	17.96								
10	16QAM	25	12	17.94	17.96	17.98	19	0						
10	16QAM	25	25	17.96	17.98	18.00								
10	16QAM	50	0	17.96	17.98	18.00	19	0						
10	64QAM	1	0	17.81	17.82	17.83								
10	64QAM	1	25	17.78	17.79	17.80	19	0						
10	64QAM	1	49	17.77	17.78	17.79								
10	64QAM	25	0	17.79	17.80	17.81	19	0						
10	64QAM	25	12	17.76	17.77	17.78								
10	64QAM	25	25	17.78	17.79	17.80	19	0						
10	64QAM	50	0	17.80	17.81	17.82								
10	256QAM	1	0	17.76	17.77	17.78	19	0						
10	256QAM	1	25	17.80	17.81	17.82								
10	256QAM	1	49	17.79	17.80	17.81	19	0						
10	256QAM	25	0	17.75	17.76	17.77								
10	256QAM	25	12	17.77	17.78	17.79	19	0						
10	256QAM	25	25	17.80	17.81	17.82								
10	256QAM	50	0	17.87	17.88	17.89	19	0						
10	256QAM	50	0	17.87	17.88	17.89								
Channel														
Frequency (MHz)														
5	QPSK	1	0	17.75	17.77	17.80	19	0						
5	QPSK	1	12	17.88	17.93	17.92								
5	QPSK	1	24	17.72	17.73	17.73	19	0						
5	QPSK	12	0	17.76	17.74	17.78								
5	QPSK	12	7	17.74	17.72	17.77	19	0						
5	QPSK	12	13	17.74	17.72	17.74								
5	QPSK	25	0	17.76	17.76	17.76	19	0						
5	16QAM	1	0	17.74	17.75	17.77								
5	16QAM	1	12	17.77	17.75	17.73	19	0						
5	16QAM	1	24	17.76	17.74	17.77								
5	16QAM	12	0	17.72	17.72	17.74	19	0						
5	16QAM	12	7	17.76	17.77	17.74								
5	16QAM	12	13	17.71	17.70	17.70	19	0						
5	16QAM	25	0	17.73	17.74	17.73								
5	64QAM	1	0	17.71	17.73	17.76	19	0						
5	64QAM	1	12	17.68	17.68	17.73								
5	64QAM	1	24	17.67	17.67	17.69	19	0						
5	64QAM	12	0	17.69	17.74	17.74								
5	64QAM	12	7	17.68	17.68	17.67	19	0						
5	64QAM	12	13	17.69	17.73	17.70								
5	64QAM	25	0	17.75	17.70	17.74	19	0						
5	256QAM	1	0	17.71	17.68	17.70								
5	256QAM	1	12	17.73	17.73	17.76	19	0						
5	256QAM	1	24	17.61	17.61	17.61								
5	256QAM	12	0	17.65	17.68	17.68	19	0						
5	256QAM	12	7	17.72	17.68	17.69								
5	256QAM	12	13	17.61	17.62	17.69	19	0						
5	256QAM	25	0	17.57	17.61	17.59								

Band 66_Ant 2														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-up Init (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.16	21.91	21.85	23	0						
20	QPSK	1	49	21.90	21.73	21.68								
20	QPSK	1	99	21.68	21.63	21.59	23	0						
20	QPSK	50	0	22.02	21.84	21.72								
20	QPSK	50	24	21.97	21.82	21.68	23	0						
20	QPSK	50	50	21.85	21.78	21.70								
20	QPSK	100	0	21.86	21.87	21.74	23	0						
20	16QAM	1	0	21.84	21.78	21.78								
20	16QAM	1	49	21.95	21.87	21.74	23	0						
20	16QAM	1	99	21.81	21.69	21.65								
20	16QAM	50	0	21.84	21.87	21.80	22	1						
20	16QAM	50	24	21.22	21.06	20.95								
20	16QAM	100	0	21.79	21.10	20.90	22	1						
20	64QAM	1	0	20.66	21.36	21.62								
20	64QAM	1	49	21.13	21.00	20.99	22	1						
20	64QAM	50	0	19.32	20.13	19.93								
20	64QAM	50	24	19.07	20.03	19.99	21	2						
20	64QAM	50	50	20.03	19.31	19.93								
20	64QAM	100	0	19.69	20.09	19.93	19	4						
20	256QAM	1	0	19.69	19.34	19.32								
20	256QAM	1	49	19.87	19.41	19.40	19	4						
20	256QAM	1	99	18.54	18.28	18.38								
20	256QAM	50	0	19.05	19.30	19.32	19	4						
20	256QAM	50	24	18.93	18.32	18.35								
20	256QAM	50	50	18.42	18.35	18.33	19	4						
20	256QAM	100	0	18.05	18.42	18.32								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.14	22.09	22.11	23	0						
15	QPSK	1	37	21.80	21.82	21.83								
15	QPSK	1	74	21.67	21.66	21.69	23	0						
15	QPSK	36	0	21.86	21.85	21.86								
15	QPSK	36	20	21.82	21.88	21.92	23	0						
15	QPSK	36	39	21.77	21.73	21.79								
15	QPSK	75	0	21.87	21.85	21.84	23	0						
15	16QAM	1	0	21.77	21.77	21.82								
15	16QAM	1	37	21.84	21.87	21.88	23	0						
15	16QAM	1	74	21.80	21.81	21.86								
15	16QAM	36	0	21.21	21.17	21.15	22	1						
15	16QAM	36	20	21.11	21.10	21.10								
15	16QAM	36	39	20.98	21.00	20.95	22	1						
15	16QAM	75	0	21.10	21.12	21.05								
15	64QAM	1	0	20.53	20.81	20.54	22	1						
15	64QAM	1	37	20.67	20.74	20.76								
15	64QAM	1	74	21.06	21.07	21.01	22	1						
15	64QAM	36	0	19.26	19.98	19.29								
15	64QAM	36	20	19.43	19.43	19.38	21	2						
15	64QAM	36	39	20.02	20.02	19.99								
15	64QAM	75	0	19.87	19.98	19.91	21	2						
15	256QAM	1	0	18.51	18.63	18.67								
15	256QAM	1	37	18.62	18.65	18.61	19	4						
15	256QAM	1	74	18.34	18.43	18.37								
15	256QAM	36	0	19.47	19.47	19.42	19	4						
15	256QAM	36	20	18.49	18.36	18.48								
15	256QAM	36	39	18.33	18.38	18.35	19	4						
15	256QAM	75	0	18.05	18.42	18.32								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.17	22.07	22.10	23	0						
10	QPSK	1	26	21.87	21.88	21.77								
10	QPSK	1	49	21.67	21.63	21.60	23	0						
10	QPSK	1	74	21.63	21.63	21.76								
10	QPSK	12	0	21.82	21.84	21.96	23	0						
10	QPSK	12	24	21.82	21.81	21.84								
10	QPSK	25	0	21.83	21.81	21.88	23	0						
10	QPSK	25	12	21.86	21.89	21.93								
10	QPSK	50	0	21.82	21.81	21.75	23	0						
10	16QAM	1	0	21.79	21.79	21.84								
10	16QAM	1	26	21.98	21.99	21.91	23	0						
10	16QAM	1	49	21.75	21.76	21.78								
10	16QAM	12	0	21.87	21.87	21.84	23	0						
10	16QAM	12	12	21.87	21.87	21.91								
10	16QAM	25	0	21.85	21.88	21.90	22	1						
10	16QAM	25	12	21.86	21.89	21.91								
10	16QAM	50	0	20.98	20.94	20.96	22	1						
10	16QAM	50	25	20.80	20.84	20.76								
10	16QAM	100	0	20.54	20.59	20.56	22	1						
10	64QAM	1	0	19.27	19.94	19.27								
10	64QAM	12	0	19.34	19.45	19.35	21	2						
10	64QAM	12	25	19.90	20.02	19.98								
10	64QAM	25	0	19.45	19.45	19.45	19	4						
10	64QAM	25	12	19.45	19.45	19.45								
10	64QAM	50	0	19.48	19.54	19.52	19	4						
10	256QAM	1	0	18.84	18.89	18.85								
10	256QAM	1	26	18.84	18.89	18.85	19	4						
10	256QAM	1	49	18.84	18.89	18.85								
10	256QAM	12	0	19.40	19.52	19.54	19	4						
10	256QAM	12	12	19.37	19.48	19.48								
10	256QAM	12	25	19.23	19.38	19.38	19	4						
10	256QAM	50	0	18.43	18.38	18.40								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.04	22.07	22.05	23	0						
5	QPSK	1	12	21.77	21.79	21.78								
5	QPSK	1	25	21.76	21.76	21.76	23	0						
5	QPSK	12	0	21.89	21.91	21.88								
5	QPSK	12	7	21.84	21.85	21.88	23	0						
5	QPSK	12	14	21.87	21.87	21.92								
5	QPSK	25	0	21.85	21.89	21.91	23	0						
5	QPSK	25	6	21.74	21.79	21.81								
5	16QAM	1	0	21.87	21.87	21.84	23	0						
5	16QAM	1	25	21.81	21.53	21.61								
5	16QAM	12	0	21.16	21.21	21.21	22	1						
5	16QAM	12	12	21.19	21.11	21.11								
5	16QAM	25	0	20.83	20.87	20.87	22	1						
5	16QAM	25	6	21.08	21.11	21.17								
5	16QAM	50	0	20.55	20.60	20.60	22	1						
5	16QAM	50	12	20.79	20.74	20.85								
5	16QAM	100	0	20.29	20.94	20.12	21	2						
5	64QAM	1	0	19.45	19.44	19.34								
5	64QAM	12	0	19.45	19.45	19.45	19	4						
5	64QAM	12	6	19.46	19.46	19.46								
5	64QAM	25	0	19.08	19.05	19.05	19	4						
5	64QAM	25	6	19.24	19.36	19.35								
5	256QAM	1	0	18.54	18.62	18.52	19	4						
5	256QAM	1	12	18.54	18.60	18.47								
5	256QAM	1	25	18.54	18.60	18.47	19	4						
5	256QAM	12	0	18.39	18.42	18.38								
5	256QAM	12	6	18.39	18.42	18.38	19	4						
5	256QAM	12	12	18.39	18.42	18.38								
5	256QAM	12	19	18.33	18.40	18.35	19	4						
5	256QAM	25	0	18.43	18.38	18.41								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.07	22.09	22.10	23	0						
3	QPSK	1	8	21.77	21.77	21.77								
3	QPSK	1	16	21.76	21.76	21.76	23	0						
3	QPSK	1	24	21.59	21.55	21.61								
3	QPSK	8	0	21.88	21.90	21.99	23	0						
3	QPSK	8	8	21.58	21.58	21.60								
3	QPSK	8	16	21.73	21.75	21.77	23	0						
3	QPSK	16	0	21.91	21.96	21.98								
3	16QAM	1	0	21.72	21.72	21.63	23	0						
3	16QAM	1	16	21.90	21.88	21.92								
3	16QAM	1	24	21.63	21.54	21.54	22	1						
3	16QAM	8	0	21.22	21.22	21.21								
3	16QAM	8	16	21.15	21.10	21.12	22	1						
3	16QAM	8	24	20.94	20.96	20.98								
3	16QAM	16	0	21.09	21.09	21.08	22	1						
3	16QAM	16	8	20.81	20.84	20.85								
3	16QAM	1	0	20.77	20.79	20.83	22	1						
3	16QAM	1	8	21.11	21.07	21.10								
3	64QAM	1	0	19.30	19.22	19.28	21	2						
3	64QAM	8	0	19.34	19.48	19.33								
3	64QAM	8	8	19.11	19.39	19.30	21	2						
3	64QAM	16	0	19.65	19.63	19.68								
3	256QAM	1	0	18.52	18.56	18.47	19	4						
3	256QAM	1	8	18.52	18.56	18.47								
3	256QAM	1	16	18.44	18.42	18.47	19	4						
3	256QAM	8	0	18.54	18.54	18.52								
3	256QAM	8	8	18.42	18.49	18.43	19	4						
3	256QAM	8	16	18.25	18.22	18.24								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.02	22.07	22.10	23	0						
1.4	QPSK	1	8	21.80	21.81	21.80								
1.4	QPSK	1	6	21.61	21.54	21.60	23	0						
1.4	QPSK	1	12	21.58	21.58	21.58								
1.4	QPSK	3	0	21.90	21.91	21.94	23	0						
1.4	QPSK	3	8	21.79	21.81	21.79								
1.4	16QAM	1	0	21.58	21.58	21.58	23	0						
1.4	16QAM	1	6	21.74	21.83	21.73								
1.4	16QAM	3	0	21.84	21.64</									

Band 41_Ant 8										
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	19.9	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.68	18.94	18.73	18.64	18.87	19.9	0
20	QPSK	1	49	18.61	18.89	18.70	18.58	18.87		
20	QPSK	1	99	18.65	18.95	18.75	18.62	18.92		
20	QPSK	50	0	18.63	18.91	18.69	18.56	18.81		
20	QPSK	50	24	18.54	18.84	18.64	18.51	18.78	19.9	0
20	QPSK	50	50	18.55	18.81	18.62	18.53	18.76		
20	QPSK	100	0	18.59	18.88	18.67	18.57	18.79		
20	16QAM	1	0	18.53	18.82	18.59	18.48	18.75		
20	16QAM	1	49	18.52	18.84	18.62	18.54	18.75	19.9	0
20	16QAM	1	99	18.56	18.79	18.61	18.48	18.75		
20	16QAM	50	0	18.52	18.82	18.59	18.47	18.75		
20	16QAM	50	24	18.52	18.77	18.58	18.50	18.70		
20	16QAM	50	50	18.51	18.79	18.57	18.45	18.71	19.9	0
20	16QAM	100	0	18.56	18.85	18.63	18.55	18.75		
20	64QAM	1	0	18.56	18.83	18.63	18.51	18.75		
20	64QAM	1	49	18.49	18.82	18.59	18.50	18.73		
20	64QAM	1	99	18.53	18.80	18.59	18.47	18.75	19.9	0
20	64QAM	50	0	18.49	18.82	18.59	18.51	18.72		
20	64QAM	50	24	18.54	18.81	18.61	18.53	18.75		
20	64QAM	50	50	18.48	18.78	18.57	18.49	18.70		
20	64QAM	100	0	18.52	18.83	18.62	18.53	18.77	19	0.9
20	256QAM	1	0	17.55	17.74	17.67	17.52	17.70		
20	256QAM	1	49	17.50	17.69	17.60	17.42	17.64		
20	256QAM	1	99	17.49	17.68	17.60	17.43	17.62		
20	256QAM	50	0	17.38	17.59	17.50	17.34	17.50	19	0.9
20	256QAM	50	24	17.40	17.56	17.52	17.34	17.50		
20	256QAM	50	50	17.36	17.59	17.50	17.34	17.54		
20	256QAM	100	0	17.38	17.55	17.50	17.37	17.55		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	19.9	0
15	QPSK	1	0	18.57	18.65	18.61	18.62	18.66		
15	QPSK	1	37	18.57	18.59	18.53	18.48	18.58	19.9	0
15	QPSK	1	74	18.61	18.63	18.52	18.58	18.55		
15	QPSK	36	0	18.52	18.54	18.62	18.53	18.57		
15	QPSK	36	20	18.47	18.41	18.46	18.52	18.49		
15	QPSK	36	39	18.43	18.42	18.44	18.48	18.54	19.9	0
15	QPSK	75	0	18.55	18.45	18.57	18.58	18.46		
15	16QAM	1	0	18.50	18.47	18.39	18.47	18.42		
15	16QAM	1	37	18.42	18.44	18.38	18.38	18.47		
15	16QAM	1	74	18.43	18.50	18.50	18.50	18.42	19.9	0
15	16QAM	36	0	18.41	18.40	18.40	18.47	18.47		
15	16QAM	36	20	18.38	18.51	18.40	18.43	18.48		
15	16QAM	36	39	18.37	18.47	18.42	18.47	18.48		
15	16QAM	75	0	18.48	18.42	18.45	18.47	18.50	19.9	0
15	64QAM	1	0	18.53	18.51	18.43	18.50	18.45		
15	64QAM	1	37	18.35	18.48	18.46	18.46	18.40		
15	64QAM	1	74	18.40	18.52	18.46	18.41	18.52		
15	64QAM	36	0	18.42	18.46	18.35	18.36	18.42	19.9	0
15	64QAM	36	20	18.40	18.53	18.51	18.43	18.53		
15	64QAM	36	39	18.36	18.38	18.43	18.43	18.43		
15	64QAM	75	0	18.43	18.48	18.41	18.47	18.46		
15	256QAM	1	0	17.53	17.48	17.46	17.45	17.41	19	0.9
15	256QAM	1	37	17.49	17.33	17.36	17.33	17.46		
15	256QAM	1	74	17.36	17.48	17.31	17.29	17.43		
15	256QAM	36	0	17.28	17.30	17.23	17.21	17.19		
15	256QAM	36	20	17.25	17.37	17.29	17.33	17.37	19	0.9
15	256QAM	36	39	17.31	17.25	17.23	17.35	17.21		
15	256QAM	75	0	17.25	17.26	17.18	17.29	17.31		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	19.9	0
10	QPSK	1	0	18.60	18.61	18.58	18.66	18.58		
10	QPSK	1	25	18.60	18.57	18.56	18.58	18.50	19.9	0
10	QPSK	1	49	18.51	18.58	18.64	18.51	18.58		
10	QPSK	25	0	18.61	18.62	18.60	18.57	18.50		
10	QPSK	25	12	18.47	18.49	18.45	18.42	18.45		
10	QPSK	25	25	18.44	18.52	18.50	18.44	18.46	19.9	0
10	QPSK	50	0	18.50	18.56	18.54	18.54	18.48		
10	16QAM	1	0	18.49	18.43	18.47	18.41	18.42		
10	16QAM	1	25	18.39	18.48	18.51	18.41	18.44		
10	16QAM	1	49	18.52	18.51	18.47	18.55	18.48	19.9	0
10	16QAM	25	0	18.51	18.39	18.43	18.48	18.39		
10	16QAM	25	12	18.44	18.40	18.38	18.38	18.43		
10	16QAM	25	25	18.46	18.37	18.49	18.46	18.37		
10	16QAM	50	0	18.44	18.48	18.42	18.55	18.53	19.9	0
10	64QAM	1	0	18.43	18.45	18.43	18.53	18.45		
10	64QAM	1	25	18.39	18.47	18.46	18.47	18.45		
10	64QAM	1	49	18.48	18.44	18.49	18.42	18.49		
10	64QAM	25	0	18.39	18.45	18.48	18.40	18.38	19.9	0
10	64QAM	25	12	18.53	18.52	18.46	18.45	18.41		
10	64QAM	25	25	18.40	18.43	18.47	18.41	18.34		
10	64QAM	50	0	18.45	18.40	18.49	18.48	18.45		
10	256QAM	1	0	17.53	17.45	17.49	17.50	17.41	19	0.9
10	256QAM	1	25	17.41	17.48	17.46	17.48	17.49		
10	256QAM	1	49	17.43	17.46	17.47	17.47	17.37		
10	256QAM	25	0	17.18	17.32	17.34	17.22	17.24		
10	256QAM	25	12	17.29	17.25	17.20	17.30	17.22	19	0.9
10	256QAM	25	25	17.22	17.28	17.18	17.21	17.17		
10	256QAM	50	0	17.24	17.33	17.21	17.32	17.30		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	19.9	0
5	QPSK	1	0	18.62	18.56	18.64	18.66	18.59		
5	QPSK	1	12	18.57	18.57	18.48	18.54	18.57	19.9	0
5	QPSK	1	24	18.61	18.51	18.55	18.51	18.62		
5	QPSK	12	0	18.59	18.58	18.54	18.52	18.52		
5	QPSK	12	7	18.44	18.49	18.44	18.43	18.48		
5	QPSK	12	13	18.47	18.53	18.47	18.53	18.52	19.9	0
5	QPSK	25	0	18.56	18.47	18.56	18.45	18.50		
5	16QAM	1	0	18.47	18.40	18.50	18.52	18.43		
5	16QAM	1	12	18.40	18.42	18.42	18.50	18.40		
5	16QAM	1	24	18.42	18.42	18.55	18.55	18.52	19.9	0
5	16QAM	12	0	18.42	18.51	18.44	18.40	18.38		
5	16QAM	12	7	18.46	18.44	18.38	18.45	18.45		
5	16QAM	12	13	18.40	18.40	18.48	18.49	18.48		
5	16QAM	25	0	18.51	18.53	18.52	18.52	18.49	19.9	0
5	64QAM	1	0	18.52	18.44	18.55	18.54	18.52		
5	64QAM	1	12	18.40	18.42	18.47	18.43	18.46		
5	64QAM	1	24	18.40	18.39	18.43	18.47	18.51		
5	64QAM	12	0	18.45	18.37	18.48	18.39	18.37	19.9	0
5	64QAM	12	7	18.50	18.43	18.51	18.49	18.50		
5	64QAM	12	13	18.39	18.46	18.47	18.44	18.44		
5	64QAM	25	0	18.40	18.50	18.39	18.40	18.49		
5	256QAM	1	0	17.51	17.45	17.52	17.41	17.44	19	0.9
5	256QAM	1	12	17.40	17.33	17.36	17.47	17.45		
5	256QAM	1	24	17.36	17.33	17.32	17.32	17.33	19	0.9
5	256QAM	12	0	17.34	17.23	17.33	17.24	17.24		
5	256QAM	12	7	17.31	17.38	17.33	17.39	17.30		
5	256QAM	12	13	17.24	17.17	17.35	17.20	17.19	19	0.9
5	256QAM	25	0	17.30	17.20	17.18	17.27	17.26		

Band 48_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	19.20	19.35	19.36	19.32	20	0
20	QPSK	1	49	19.18	19.27	19.35	19.30		
20	QPSK	1	99	19.44	19.52	19.35	19.34		
20	QPSK	50	0	19.41	19.50	19.33	19.32		
20	QPSK	50	24	19.25	19.42	19.43	19.40	20	0
20	QPSK	50	50	19.32	19.41	19.38	19.39		
20	QPSK	100	0	19.40	19.48	19.34	19.32		
20	16QAM	1	0	19.24	19.38	19.28	19.37		
20	16QAM	1	49	19.31	19.34	19.21	19.24	20	0
20	16QAM	1	99	19.27	19.33	19.32	19.21		
20	16QAM	50	0	19.37	19.44	19.42	19.34		
20	16QAM	50	24	19.43	19.47	19.38	19.43		
20	16QAM	50	50	19.26	19.37	19.32	19.23	20	0
20	16QAM	100	0	19.32	19.46	19.36	19.32		
20	64QAM	1	0	18.97	19.08	18.97	19.01		
20	64QAM	1	49	19.01	19.04	18.99	18.90		
20	64QAM	1	99	18.91	19.00	18.98	18.94	20	0
20	64QAM	50	0	19.34	19.47	19.35	19.39		
20	64QAM	50	24	19.28	19.32	19.31	19.20		
20	64QAM	50	50	19.46	19.49	19.38	19.37		
20	64QAM	100	0	19.47	19.48	19.40	19.42	19	1
20	256QAM	1	0	17.77	17.88	17.87	17.76		
20	256QAM	1	49	17.67	17.74	17.73	17.64		
20	256QAM	1	99	17.68	17.79	17.72	17.72		
20	256QAM	50	0	17.92	18.00	17.93	17.91	19	1
20	256QAM	50	24	17.91	18.04	17.95	18.02		
20	256QAM	50	50	17.88	17.99	17.85	17.87		
20	256QAM	100	0	17.92	18.00	17.92	17.90		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	19.20	19.12	19.25	19.16	20	0
15	QPSK	1	37	19.13	19.19	19.13	19.15		
15	QPSK	1	74	19.19	19.15	19.11	19.16		
15	QPSK	36	0	19.25	19.30	19.31	19.25		
15	QPSK	36	20	19.20	19.29	19.23	19.31	20	0
15	QPSK	36	39	19.37	19.30	19.30	19.32		
15	QPSK	75	0	19.25	19.26	19.23	19.26		
15	16QAM	1	0	19.17	19.15	19.20	19.24		
15	16QAM	1	37	19.14	19.16	19.09	19.14	20	0
15	16QAM	1	74	19.28	19.23	19.29	19.28		
15	16QAM	36	0	19.28	19.41	19.31	19.37		
15	16QAM	36	20	19.37	19.36	19.28	19.25		
15	16QAM	36	39	19.30	19.24	19.28	19.26	20	0
15	16QAM	75	0	19.30	19.27	19.24	19.30		
15	64QAM	1	0	18.89	18.92	18.87	18.87		
15	64QAM	1	37	18.89	18.89	18.89	18.94		
15	64QAM	1	74	18.97	18.88	18.94	18.85	20	0
15	64QAM	36	0	19.41	19.44	19.41	19.44		
15	64QAM	36	20	19.29	19.29	19.27	19.20		
15	64QAM	36	39	19.31	19.34	19.32	19.32		
15	64QAM	75	0	19.32	19.28	19.32	19.35	19	1
15	256QAM	1	0	17.78	17.86	17.80	17.76		
15	256QAM	1	37	17.70	17.60	17.63	17.70		
15	256QAM	1	74	17.65	17.67	17.58	17.70		
15	256QAM	36	0	17.90	17.87	17.88	17.80	19	1
15	256QAM	36	20	17.93	17.86	17.84	17.82		
15	256QAM	36	39	17.83	17.78	17.77	17.73		
15	256QAM	75	0	17.83	17.77	17.87	17.75		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	19.13	19.13	19.15	19.21	20	0
10	QPSK	1	25	19.16	19.24	19.11	19.12		
10	QPSK	1	49	19.13	19.12	19.23	19.13		
10	QPSK	25	0	19.26	19.32	19.21	19.32		
10	QPSK	25	12	19.30	19.26	19.25	19.26	20	0
10	QPSK	25	25	19.34	19.24	19.28	19.29		
10	QPSK	50	0	19.31	19.23	19.36	19.36		
10	16QAM	1	0	19.26	19.15	19.23	19.15		
10	16QAM	1	25	19.13	19.19	19.10	19.12	20	0
10	16QAM	1	49	19.19	19.25	19.26	19.26		
10	16QAM	25	0	19.30	19.31	19.40	19.35		
10	16QAM	25	12	19.35	19.32	19.25	19.24		
10	16QAM	25	25	19.30	19.26	19.20	19.21	20	0
10	16QAM	50	0	19.27	19.34	19.25	19.29		
10	64QAM	1	0	18.85	18.88	18.94	18.89		
10	64QAM	1	25	18.93	18.92	18.94	18.91		
10	64QAM	1	49	18.93	18.96	18.97	18.94	20	0
10	64QAM	25	0	19.31	19.39	19.44	19.33		
10	64QAM	25	12	19.27	19.21	19.27	19.22		
10	64QAM	25	25	19.27	19.28	19.37	19.33		
10	64QAM	50	0	19.31	19.31	19.34	19.37	19	1
10	256QAM	1	0	17.76	17.85	17.86	17.74		
10	256QAM	1	25	17.66	17.63	17.68	17.67		
10	256QAM	1	49	17.65	17.63	17.71	17.71		
10	256QAM	25	0	17.85	17.74	17.74	17.73	19	1
10	256QAM	25	12	17.84	17.75	17.93	17.82		
10	256QAM	25	25	17.81	17.83	17.84	17.82		
10	256QAM	50	0	17.89	17.75	17.78	17.84		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	19.17	19.12	19.14	19.15	20	0
5	QPSK	1	12	19.16	19.23	19.15	19.21		
5	QPSK	1	24	19.17	19.18	19.12	19.14		
5	QPSK	12	0	19.32	19.29	19.27	19.29		
5	QPSK	12	7	19.24	19.30	19.22	19.32	20	0
5	QPSK	12	13	19.35	19.28	19.32	19.26		
5	QPSK	25	0	19.30	19.23	19.31	19.24		
5	16QAM	1	0	19.27	19.24	19.14	19.19		
5	16QAM	1	12	19.18	19.10	19.18	19.17	20	0
5	16QAM	1	24	19.30	19.27	19.24	19.27		
5	16QAM	12	0	19.35	19.31	19.35	19.34		
5	16QAM	12	7	19.35	19.24	19.32	19.29		
5	16QAM	12	13	19.19	19.21	19.27	19.30	20	0
5	16QAM	25	0	19.29	19.32	19.28	19.34		
5	64QAM	1	0	18.96	18.94	18.88	18.94		
5	64QAM	1	12	18.91	18.88	18.97	18.87		
5	64QAM	1	24	18.92	18.89	18.93	18.87	20	0
5	64QAM	12	0	19.34	19.40	19.44	19.43		
5	64QAM	12	7	19.25	19.18	19.20	19.19		
5	64QAM	12	13	19.36	19.27	19.26	19.29		
5	64QAM	25	0	19.26	19.36	19.35	19.33	19	1
5	256QAM	1	0	17.82	17.83	17.78	17.84		
5	256QAM	1	12	17.71	17.72	17.63	17.67		
5	256QAM	1	24	17.70	17.60	17.67	17.69		
5	256QAM	12	0	17.80	17.91	17.91	17.88	19	1
5	256QAM	12	7	17.93	17.81	17.88	17.82		
5	256QAM	12	13	17.72	17.78	17.82	17.79		
5	256QAM	25	0	17.75	17.76	17.79	17.81		

GSM850_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		534.2	536.4	544.8		534.2	536.4	544.8	
GSM 1 Tx slot		32.89	32.76	32.59	33.50	23.89	23.76	23.59	24.50
GPRS 1 Tx slot		32.93	32.71	32.62	33.50	23.93	23.71	23.62	24.50
GPRS 2 Tx slots		29.78	29.78	29.43	30.50	23.78	23.78	23.43	24.50
GPRS 3 Tx slots		27.99	27.59	27.70	29.00	23.73	23.33	23.44	24.74
GPRS 4 Tx slots		26.49	26.22	26.42	28.00	23.49	23.22	23.42	25.00
EDGE 1 Tx slot		26.38	26.57	26.35	27.50	17.38	17.57	17.35	18.50
EDGE 2 Tx slots		25.68	25.55	25.61	26.50	19.68	19.55	19.61	20.50
EDGE 3 Tx slots		23.48	23.31	23.76	25.00	19.22	19.05	19.50	20.74
EDGE 4 Tx slots		21.70	21.65	22.03	23.00	18.70	18.65	19.03	20.00

GSM1900_Ant 1		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		26.63	26.30	26.77	27.00	17.63	17.30	17.77	18.00
GPRS 1 Tx slot		26.47	26.25	26.79	27.00	17.47	17.25	17.79	18.00
GPRS 2 Tx slots		23.73	23.60	23.72	24.50	17.73	17.60	17.72	18.50
GPRS 3 Tx slots		21.84	21.95	22.34	23.00	17.58	17.69	18.08	18.74
GPRS 4 Tx slots		20.31	20.34	20.77	21.50	17.31	17.34	17.77	18.50
EDGE 1 Tx slot		25.81	25.59	25.88	27.00	16.81	16.59	16.88	18.00
EDGE 2 Tx slots		23.49	23.34	23.62	24.00	17.49	17.34	17.62	18.00
EDGE 3 Tx slots		21.32	21.01	21.23	22.00	17.06	16.75	16.97	17.74
EDGE 4 Tx slots		20.73	20.24	20.58	21.00	17.73	17.24	17.58	18.00

	Band	WCDMA I_Ant 1			Tune-up Limit (dBm)	WCDMA N_Ant 1			Tune-up Limit (dBm)	WCDMA V_Ant 1			Tune-up Limit (dBm)
	TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233	
	Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4468	
	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	16.65	16.54	16.62	17.50	18.24	18.38	18.65	19.50	22.34	22.31	22.26	23.00
3GPP Rel 99	RMC 12.2Kbps	16.67	16.56	16.63	17.50	18.50	18.40	18.68	19.50	22.36	22.35	22.28	23.00
3GPP Rel 6	HSDPA Subtest-1	15.85	15.84	15.71	16.50	17.55	17.32	17.61	18.50	21.18	21.24	21.24	22.00
3GPP Rel 6	HSDPA Subtest-2	15.91	15.83	15.83	16.50	17.52	17.32	17.57	18.50	21.18	21.13	21.18	22.00
3GPP Rel 6	HSDPA Subtest-3	15.35	15.22	15.27	16.00	17.01	16.80	17.10	18.00	20.57	20.63	20.57	21.50
3GPP Rel 6	HSDPA Subtest-4	15.35	15.23	15.30	16.00	16.99	16.80	17.10	18.00	20.57	20.70	20.65	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	15.68	15.64	15.63	16.50	17.62	17.65	17.60	18.50	21.19	21.13	21.24	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	15.70	15.58	15.60	16.50	17.60	17.67	17.68	18.50	21.10	21.09	21.10	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	15.32	15.22	15.19	16.00	17.27	17.26	17.16	18.00	20.84	20.79	20.87	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	15.35	15.24	15.24	16.00	17.20	17.24	17.22	18.00	20.84	20.76	20.84	21.50
3GPP Rel 6	HSUPA Subtest-1	15.90	15.85	15.83	16.50	17.79	17.75	17.67	18.50	21.14	21.19	21.11	22.00
3GPP Rel 6	HSUPA Subtest-2	13.86	13.84	13.72	14.50	15.80	15.72	15.72	16.50	19.10	19.09	19.09	20.00
3GPP Rel 6	HSUPA Subtest-3	14.89	14.88	14.75	15.50	16.81	16.76	16.78	17.50	20.22	20.11	20.18	21.00
3GPP Rel 6	HSUPA Subtest-4	13.85	13.83	13.77	14.50	15.75	15.68	15.72	16.50	19.07	19.08	19.12	20.00
3GPP Rel 6	HSUPA Subtest-5	15.90	15.88	15.89	16.50	17.80	17.69	17.66	18.50	21.22	21.23	21.20	22.00

Band 2_Ant 1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Time-up limit (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	16.57	16.45	16.42	17.5	0						
20	QPSK	1	49	16.51	16.41	16.37								
20	QPSK	1	99	16.47	16.19	16.34								
20	QPSK	50	0	16.42	16.24	16.12								
20	QPSK	50	24	16.24	16.08	16.23	17.5	0						
20	QPSK	50	50	16.17	16.13	16.07								
20	QPSK	100	0	16.28	16.16	16.19								
20	16QAM	50	0	16.31	16.42	16.46								
20	16QAM	1	49	16.41	16.17	16.45	17.5	0						
20	16QAM	1	99	16.26	16.26	16.36								
20	16QAM	50	24	16.33	16.31	16.17								
20	16QAM	50	50	16.28	16.24	16.12								
20	16QAM	50	50	16.26	16.16	16.16	17.5	0						
20	16QAM	100	0	16.21	16.27	16.31								
20	84QAM	1	0	16.42	16.37	16.40								
20	84QAM	1	49	16.45	16.09	16.45	17.5	0						
20	84QAM	1	99	16.02	16.07	16.37								
20	84QAM	50	24	16.38	16.21	16.19								
20	84QAM	50	50	16.35	16.23	16.16								
20	84QAM	100	0	16.21	16.27	16.29	17.5	0						
20	256QAM	1	49	16.45	16.42	16.39								
20	256QAM	1	99	16.40	16.44	16.39								
20	256QAM	50	0	16.25	16.25	16.22								
20	256QAM	50	24	16.33	16.28	16.27	17.5	0						
20	256QAM	50	50	16.33	16.29	16.23								
20	256QAM	100	0	16.20	16.20	16.25								
Channel														
Frequency (MHz)														
15	QPSK	1	0	16.54	16.41	16.40					17.5	0		
15	QPSK	1	37	16.49	16.47	16.42								
15	QPSK	1	74	16.46	16.14	16.33								
15	QPSK	36	0	16.38	16.22	16.09								
15	QPSK	36	25	16.24	16.20	16.20	17.5	0						
15	QPSK	36	39	16.17	16.12	16.06								
15	QPSK	75	0	16.27	16.11	16.06								
15	16QAM	1	0	16.24	16.29	16.43								
15	16QAM	1	37	16.37	16.10	16.43	17.5	0						
15	16QAM	1	74	16.34	16.25	16.32								
15	16QAM	36	0	16.33	16.31	16.15								
15	16QAM	36	25	16.24	16.22	16.12								
15	16QAM	36	39	16.21	16.18	16.16	17.5	0						
15	84QAM	1	0	16.39	16.36	16.37								
15	84QAM	1	37	16.41	16.09	16.41								
15	84QAM	1	74	16.00	16.02	16.15								
15	84QAM	36	0	16.33	16.22	16.16	17.5	0						
15	84QAM	36	25	16.33	16.26	16.17								
15	84QAM	36	39	16.05	16.15	16.15								
15	84QAM	75	0	16.21	16.26	16.24								
15	256QAM	1	0	16.44	16.44	16.44	17.5	0						
15	256QAM	1	37	16.42	16.36	16.39								
15	256QAM	1	74	16.47	16.43	16.34								
15	256QAM	36	0	16.31	16.26	16.26								
15	256QAM	36	25	16.28	16.24	16.22	17.5	0						
15	256QAM	36	39	16.33	16.27	16.23								
15	256QAM	75	0	16.26	16.26	16.26								
Channel														
Frequency (MHz)														
10	QPSK	1	0	16.55	16.40	16.40	17.5	0						
10	QPSK	1	25	16.47	16.43	16.47								
10	QPSK	1	49	16.46	16.17	16.31								
10	QPSK	25	0	16.42	16.25	16.25								
10	QPSK	25	12	16.22	16.05	16.23	17.5	0						
10	QPSK	25	25	16.15	16.08	16.05								
10	QPSK	50	0	16.27	16.27	16.27								
10	16QAM	1	0	16.30	16.42	16.40								
10	16QAM	1	25	16.36	16.17	16.41	17.5	0						
10	16QAM	1	49	16.31	16.26	16.33								
10	16QAM	25	0	16.28	16.27	16.19								
10	16QAM	25	12	16.27	16.18	16.08								
10	16QAM	50	0	16.32	16.26	16.26	17.5	0						
10	16QAM	50	0	16.19	16.23	16.07								
10	84QAM	1	0	16.42	16.33	16.36								
10	84QAM	1	24	16.42	16.26	16.42								
10	84QAM	1	49	16.10	16.03	16.14	17.5	0						
10	84QAM	25	0	16.29	16.17	16.19								
10	84QAM	25	12	16.35	16.20	16.19								
10	84QAM	25	25	16.07	16.19	16.11								
10	84QAM	50	0	16.20	16.22	16.25	17.5	0						
10	84QAM	50	0	16.45	16.32	16.32								
10	256QAM	1	25	16.44	16.41	16.36								
10	256QAM	1	49	16.47	16.44	16.31								
10	256QAM	25	0	16.28	16.25	16.21	17.5	0						
10	256QAM	25	12	16.32	16.24	16.27								
10	256QAM	25	25	16.28	16.26	16.23								
10	256QAM	50	0	16.27	16.26	16.23								
Channel														
Frequency (MHz)														
5	QPSK	1	0	16.55	16.42	16.42	17.5	0						
5	QPSK	1	12	16.47	16.45	16.42								
5	QPSK	1	24	16.45	16.15	16.33								
5	QPSK	12	0	16.41	16.40	16.32								
5	QPSK	12	7	16.21	16.03	16.32	17.5	0						
5	QPSK	12	13	16.16	16.10	16.04								
5	QPSK	25	0	16.33	16.14	16.15								
5	16QAM	1	0	16.27	16.40	16.41								
5	16QAM	1	12	16.41	16.14	16.43	17.5	0						
5	16QAM	1	24	16.33	16.21	16.14								
5	16QAM	12	0	16.30	16.26	16.13								
5	16QAM	12	7	16.23	16.22	16.09								
5	16QAM	12	13	16.23	16.13	16.14	17.5	0						
5	16QAM	25	0	16.17	16.24	16.16								
5	84QAM	1	0	16.36	16.36	16.36								
5	84QAM	1	12	16.43	16.20	16.40								
5	84QAM	1	24	16.05	16.07	16.15	17.5	0						
5	84QAM	12	0	16.31	16.18	16.20								
5	84QAM	12	7	16.34	16.16	16.17								
5	84QAM	12	13	16.08	16.10	16.16								
5	84QAM	25	0	16.21	16.25	16.27	17.5	0						
5	84QAM	25	0	16.42	16.30	16.35								
5	256QAM	1	12	16.45	16.40	16.34								
5	256QAM	1	24	16.49	16.42	16.34								
5	256QAM	12	0	16.29	16.29	16.21	17.5	0						
5	256QAM	12	7	16.30	16.24	16.25								
5	256QAM	12	13	16.29	16.29	16.25								
5	256QAM	25	0	16.29	16.24	16.29								

Band 7_Ant 7														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	APR3 (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.54	21.55	21.51	22.5	0						
20	QPSK	1	49	21.35	21.36	21.28								
20	QPSK	1	99	21.41	21.32	21.28								
20	QPSK	50	0	21.51	21.55	21.49	22.5	0						
20	QPSK	50	24	21.40	21.42	21.40								
20	QPSK	50	50	21.38	21.43	21.37								
20	QPSK	100	0	21.39	21.52	21.34	22.5	0						
20	16QAM	1	0	21.30	21.45	21.38								
20	16QAM	1	49	21.39	21.54	21.53								
20	16QAM	1	99	20.99	21.37	21.54	22	0.5						
20	16QAM	50	0	21.18	21.29	21.10								
20	16QAM	50	24	21.14	21.12	21.14								
20	16QAM	50	50	21.10	21.07	21.10	22	0.5						
20	16QAM	100	0	21.13	21.05	21.07								
20	64QAM	1	0	21.42	21.25	21.20								
20	64QAM	1	49	21.42	21.25	21.20	22	0.5						
20	64QAM	1	99	21.12	21.34	21.23								
20	64QAM	50	0	20.48	20.48	20.46								
20	64QAM	50	24	20.39	20.42	20.49	21	1.5						
20	64QAM	50	50	20.48	20.48	20.46								
20	256QAM	1	4	18.06	18.26	18.12								
20	256QAM	1	49	18.09	18.24	18.17	19	3.5						
20	256QAM	1	99	18.11	18.22	18.13								
20	256QAM	50	0	17.94	18.08	17.95								
20	256QAM	50	24	17.98	18.13	18.09	19	3.5						
20	256QAM	50	50	17.98	18.11	18.05								
20	256QAM	100	0	17.97	18.14	18.03								
Channel														
Frequency (MHz)														
18	QPSK	1	0	20.60	21.00	21.00	22.5	0						
18	QPSK	1	25	21.27	21.32	21.19								
18	QPSK	1	49	21.38	21.22	21.20								
18	QPSK	12	0	21.30	21.40	21.30	22.5	0						
18	QPSK	25	12	21.30	21.34	21.32								
18	QPSK	25	25	21.33	21.38	21.30								
18	QPSK	25	25	21.33	21.38	21.30	22.5	0						
18	16QAM	1	0	21.20	21.30	21.00								
18	16QAM	1	25	21.31	21.48	21.48								
18	16QAM	1	49	21.05	20.99	21.06	22	0.5						
18	16QAM	25	0	21.10	21.22	20.96								
18	16QAM	25	12	21.09	21.05	21.10								
18	16QAM	25	12	20.09	20.32	20.44	21	1.5						
18	16QAM	50	0	21.03	21.01	20.97								
18	64QAM	1	0	21.37	21.30	20.70								
18	64QAM	1	24	21.34	21.30	21.12	22	0.5						
18	64QAM	1	49	21.03	21.24	21.13								
18	64QAM	25	0	20.40	20.48	20.29								
18	64QAM	25	12	20.09	20.32	20.46	21	1.5						
18	64QAM	50	0	20.30	20.32	20.36								
18	256QAM	1	0	17.97	18.21	18.25								
18	256QAM	1	25	17.99	18.15	18.11	19	3.5						
18	256QAM	1	49	18.06	18.14	18.07								
18	256QAM	25	0	17.05	18.00	17.94								
18	256QAM	25	12	17.90	18.08	17.99	19	3.5						
18	256QAM	25	25	17.92	18.02	17.98								
18	256QAM	50	0	17.08	18.00	17.97								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.15	21.52	21.13	22.5	0						
5	QPSK	1	12	21.29	21.25	21.20								
5	QPSK	1	24	21.33	21.27	21.23								
5	QPSK	12	0	21.33	21.40	21.33	22.5	0						
5	QPSK	12	7	21.34	21.33	21.33								
5	QPSK	12	13	21.30	21.38	21.27								
5	QPSK	25	0	21.31	21.35	21.27	22.5	0						
5	16QAM	1	0	21.25	21.33	20.98								
5	16QAM	1	12	21.34	21.45	21.45								
5	16QAM	1	24	20.80	21.32	21.48	22	0.5						
5	16QAM	12	0	21.11	21.20	20.93								
5	16QAM	12	7	21.08	21.05	21.08								
5	16QAM	12	13	21.03	20.98	21.01	22	0.5						
5	64QAM	1	0	21.08	20.98	21.02								
5	64QAM	1	0	21.34	21.26	20.70								
5	64QAM	12	7	21.32	21.15	21.10	21	1.5						
5	64QAM	1	24	21.08	21.25	21.14								
5	64QAM	12	0	20.39	20.45	20.29								
5	64QAM	12	7	20.33	20.34	20.41	21	1.5						
5	64QAM	12	13	20.39	20.35	20.41								
5	64QAM	25	0	20.52	20.35	20.37								
5	256QAM	1	0	18.01	18.20	18.07	19	3.5						
5	256QAM	1	12	17.99	18.14	18.12								
5	256QAM	1	24	18.02	18.17	18.05								
5	256QAM	12	7	17.95	18.05	17.99	19	3.5						
5	256QAM	12	13	17.88	18.01	17.98								

Band 30_Ant 7												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq	Power High Mod Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPE (dB)				
Channel												
2310												
10	QPSK	1	0	21.88			23	0				
10	QPSK	1	25	21.94								
10	QPSK	1	49	21.86								
10	QPSK	25	0	21.91			23	0				
10	QPSK	25	12	21.85								
10	QPSK	25	25	21.88								
10	QPSK	50	0	21.89			23	0				
10	16QAM	1	0	21.88								
10	16QAM	1	25	21.84								
10	16QAM	1	49	21.93			23	0				
10	16QAM	25	0	21.88								
10	16QAM	25	12	21.89								
10	16QAM	25	25	21.89			21	1				
10	16QAM	50	0	21.87								
10	16QAM	1	0	21.69								
10	8QAM	1	25	21.82			22	1				
10	8QAM	1	49	21.80								
10	8QAM	25	0	20.86								
10	8QAM	25	12	20.72			21	2				
10	8QAM	25	25	20.72								
10	8QAM	50	0	20.66								
10	256QAM	1	0	18.66			19	4				
10	256QAM	1	25	18.65								
10	256QAM	1	49	18.62								
10	256QAM	25	0	18.48			19	4				
10	256QAM	25	12	18.40								
10	256QAM	25	25	18.39								
10	256QAM	50	0	18.34			21	2				
Channel												
21685 - 21710 - 21735												
2307.5 2310 2312.5												
5	QPSK	1	0	21.84	21.80	21.74	23	0				
5	QPSK	1	12	21.80	21.89	21.81						
5	QPSK	1	24	21.72	21.79	21.89						
5	QPSK	12	0	21.84	21.78	21.78	23	0				
5	QPSK	12	7	21.80	21.79	21.82						
5	QPSK	12	13	21.79	21.83	21.80						
5	QPSK	25	0	21.84	21.88	21.83	23	0				
5	16QAM	1	0	21.84	21.74	21.78						
5	16QAM	1	12	21.81	21.73	21.81						
5	16QAM	1	24	21.69	21.82	21.81	22	1				
5	16QAM	12	0	21.85	21.79	21.87						
5	16QAM	12	7	21.80	21.86	21.81						
5	16QAM	12	13	21.55	21.59	21.58	21	2				
5	16QAM	25	0	21.76	21.80	21.82						
5	8QAM	1	0	21.51	21.68	21.56						
5	8QAM	1	12	21.50	21.60	21.70	21	2				
5	8QAM	1	24	21.75	21.65	21.75						
5	8QAM	12	0	20.95	20.98	20.66						
5	8QAM	12	7	20.86	20.93	20.85	19	4				
5	8QAM	12	13	20.63	20.67	20.50						
5	8QAM	25	0	20.61	20.67	20.52						
5	256QAM	1	0	18.57	18.64	18.54	19	4				
5	256QAM	1	12	18.55	18.51	18.53						
5	256QAM	1	24	18.47	18.57	18.46						
5	256QAM	12	0	18.43	18.36	18.36	19	4				
5	256QAM	12	7	18.20	18.37	18.31						
5	256QAM	12	13	18.27	18.19	18.29						
5	256QAM	25	0	18.26	18.30	18.41	21	2				

Band 66_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq	Power High Mod Ch / Freq	Power High Ch / Freq	Turnup Int. (dB)	MPE (dB)				
Channel												
13007.2 - 13022.2 - 13027.2												
1720 1745 1770												
20	QPSK	1	0	18.11	17.99	17.93	19	0				
20	QPSK	1	49	18.02	17.75	17.73						
20	QPSK	1	99	17.72	17.70	17.74						
20	QPSK	50	0	18.09	17.97	17.90	19	0				
20	QPSK	50	24	17.69	17.77	17.70						
20	QPSK	50	50	17.89	17.76	17.77						
20	QPSK	100	0	18.02	17.82	17.82	19	0				
20	16QAM	1	0	18.00	17.84	18.00						
20	16QAM	1	49	18.01	17.99	17.90						
20	16QAM	1	99	18.02	17.96	18.03	19	0				
20	16QAM	50	0	18.01	17.85	17.85						
20	16QAM	50	24	18.03	17.85	17.77						
20	16QAM	50	50	17.87	17.79	17.86	19	0				
20	16QAM	100	0	18.01	17.74	17.79						
20	8QAM	1	0	18.01	18.07	17.60	19	0				
20	8QAM	1	49	18.06	18.07	17.60						
20	8QAM	1	99	17.91	17.85	17.90						
20	8QAM	50	0	18.01	17.95	17.80	19	0				
20	8QAM	50	24	17.86	17.89	17.80						
20	8QAM	50	50	17.85	17.84	17.80						
20	8QAM	100	0	18.07	17.83	17.83	19	0				
20	256QAM	1	0	17.87	17.73	17.73						
20	256QAM	1	49	17.91	17.64	17.67						
20	256QAM	1	99	17.92	17.84	17.68	19	0				
20	256QAM	25	0	17.88	17.68	17.68						
20	256QAM	25	24	17.89	17.68	17.68						
20	256QAM	50	50	17.90	17.68	17.63	19	0				
20	256QAM	100	0	17.89	17.68	17.63						
Channel												
13044.7 - 13052.2 - 13059.7												
1717.4 1745 1773.5												
15	QPSK	1	0	18.08	18.01	18.08	19	0				
15	QPSK	1	37	17.91	17.94	17.91						
15	QPSK	1	74	17.66	17.65	17.71						
15	QPSK	36	0	17.86	17.87	17.89	19	0				
15	QPSK	36	20	17.80	17.80	17.80						
15	QPSK	36	39	17.87	17.78	17.87						
15	QPSK	75	0	17.86	17.87	17.87	19	0				
15	16QAM	1	0	17.82	17.96	17.90						
15	16QAM	1	37	17.91	17.86	17.88						
15	16QAM	1	74	17.88	18.00	17.93	19	0				
15	16QAM	36	0	17.87	17.83	17.89						
15	16QAM	36	20	17.99	18.00	18.00						
15	16QAM	36	39	17.89	17.76	17.90	19	0				
15	16QAM	75	0	17.87	17.94	17.94						
15	8QAM	1	0	17.88	17.89	17.86	19	0				
15	8QAM	1	37	17.93	17.83	17.86						
15	8QAM	1	74	17.84	17.85	17.85						
15	8QAM	36	0	17.89	17.82	17.87	19	0				
15	8QAM	36	20	17.85	17.84	17.86						
15	8QAM	36	39	17.76	17.77	17.75						
15	8QAM	75	0	17.88	18.05	17.87	19	0				
15	256QAM	1	0	17.94	17.87	17.92						
15	256QAM	1	37	17.79	17.71	17.77						
15	256QAM	1	74	17.73	17.74	17.91	19	0				
15	256QAM	36	0	17.83	17.74	17.81						
15	256QAM	36	20	17.73	17.79	17.87						
15	256QAM	36	39	17.75	17.76	17.70	19	0				
15	256QAM	75	0	17.83	17.73	17.74						
Channel												
13060.2 - 13062.2 - 13069.7												
1715 1745 1775												
10	QPSK	1	0	18.10	18.05	18.04	19	0				
10												
10												

Band 38_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
20	QPSK	1	0	20.50	20.85	20.82	21.9	0
20	QPSK	1	49	20.82	20.84	20.78		
20	QPSK	1	99	20.89	20.81	20.67		
20	QPSK	50	0	20.85	20.79	20.75		
20	QPSK	50	24	20.72	20.72	20.68	21.9	0
20	QPSK	50	50	20.76	20.81	20.57		
20	QPSK	100	0	20.68	20.58	20.58		
20	16QAM	1	0	20.68	20.69	20.56		
20	16QAM	1	49	20.66	20.74	20.64	21.9	0
20	16QAM	1	99	20.74	20.58	20.71		
20	16QAM	50	0	20.82	20.68	20.57		
20	16QAM	50	24	20.85	20.74	20.89		
20	16QAM	50	50	20.83	20.81	20.88	21.9	0
20	16QAM	100	0	20.87	20.78	20.79		
20	64QAM	1	0	20.71	20.75	20.52		
20	64QAM	1	49	20.83	20.72	20.70		21.9
20	64QAM	1	99	20.84	20.85	20.77		
20	64QAM	50	0	20.68	20.59	20.58		
20	64QAM	50	24	20.39	20.25	20.29		
20	64QAM	50	50	20.34	20.33	20.19	21	0.9
20	64QAM	100	0	20.11	20.20	20.09		
20	256QAM	1	0	17.41	17.40	17.30		
20	256QAM	1	49	17.40	17.38	17.24		19
20	256QAM	1	99	17.40	17.29	17.17		
20	256QAM	50	0	17.76	17.64	17.70		
20	256QAM	50	24	17.79	17.64	17.66		
20	256QAM	50	50	17.68	17.60	17.50	19	2.9
20	256QAM	100	0	17.70	17.53	17.40		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	0	20.81	20.77	20.87	21.9	0
15	QPSK	1	37	20.81	20.75	20.71		
15	QPSK	1	74	20.88	20.76	20.87		
15	QPSK	36	0	20.84	20.78	20.78		
15	QPSK	36	0	19.86	20.88	20.88	21.9	0
15	QPSK	36	39	20.75	20.71	20.74		
15	QPSK	75	0	20.56	20.64	20.56		
15	16QAM	1	0	20.56	20.66	20.60		
15	16QAM	1	37	20.60	20.62	20.53	21.9	0
15	16QAM	1	74	20.62	20.66	20.69		
15	16QAM	36	0	20.75	20.69	20.77		
15	16QAM	36	39	20.73	20.67	20.76		
15	16QAM	36	39	20.76	20.71	20.79	21.9	0
15	16QAM	75	0	20.74	20.60	20.73		
15	64QAM	1	0	20.58	20.64	20.61		
15	64QAM	1	37	20.73	20.72	20.77		21
15	64QAM	1	74	20.78	20.83	20.75		
15	64QAM	36	0	20.62	20.62	20.62		
15	64QAM	36	20	20.37	20.27	20.21		
15	64QAM	36	39	20.34	20.30	20.32	21	0.9
15	64QAM	75	0	19.98	20.07	20.07		
15	256QAM	1	0	17.34	17.29	17.33		
15	256QAM	1	37	17.38	17.38	17.35	19	2.9
15	256QAM	1	74	17.38	17.39	17.28		
15	256QAM	36	0	17.62	17.63	17.60		
15	256QAM	36	20	17.59	17.62	17.70		
15	256QAM	36	39	17.51	17.59	17.62	19	2.9
15	256QAM	75	0	17.52	17.58	17.58		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	0	20.81	20.85	20.80	21.9	0
10	QPSK	1	12	20.74	20.75	20.71		
10	QPSK	1	49	20.79	20.81	20.75		
10	QPSK	25	0	20.76	20.78	20.81		
10	QPSK	25	0	20.68	20.65	20.67	21.9	0
10	QPSK	25	12	20.70	20.68	20.67		
10	QPSK	50	0	20.69	20.60	20.67		
10	16QAM	1	0	20.58	20.61	20.63		
10	16QAM	1	25	20.62	20.53	20.58	21.9	0
10	16QAM	1	49	20.72	20.67	20.64		
10	16QAM	25	0	20.80	20.76	20.73		
10	16QAM	25	12	20.84	20.74	20.73		
10	16QAM	25	25	20.80	20.78	20.78	21.9	0
10	16QAM	50	0	20.79	20.79	20.86		
10	64QAM	1	0	20.58	20.64	20.61		
10	64QAM	1	25	20.72	20.81	20.81		21.9
10	64QAM	1	49	20.82	20.71	20.79		
10	64QAM	25	0	20.61	20.66	20.65		
10	64QAM	25	12	20.35	20.35	20.33		
10	64QAM	25	25	20.29	20.23	20.21	21	0.9
10	64QAM	50	0	20.62	20.68	20.66		
10	256QAM	1	0	17.29	17.31	17.31		
10	256QAM	1	25	17.27	17.27	17.20	19	2.9
10	256QAM	1	49	17.34	17.25	17.29		
10	256QAM	25	0	17.70	17.69	17.61		
10	256QAM	25	12	17.60	17.74	17.69		
10	256QAM	25	25	17.51	17.61	17.50	19	2.9
10	256QAM	50	0	17.69	17.69	17.54		
Channel							Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
5	QPSK	1	0	20.89	20.79	20.89	21.9	0
5	QPSK	1	12	20.75	20.80	20.75		
5	QPSK	1	24	20.86	20.77	20.88		
5	QPSK	12	0	20.75	20.78	20.76		
5	QPSK	12	7	20.68	20.66	20.64	21.9	0
5	QPSK	12	13	20.68	20.69	20.63		
5	QPSK	25	0	20.58	20.62	20.60		
5	16QAM	1	0	20.85	20.54	20.57		
5	16QAM	1	12	20.81	20.61	20.57	21.9	0
5	16QAM	1	24	20.70	20.65	20.63		
5	16QAM	12	0	20.72	20.81	20.76		
5	16QAM	12	7	20.74	20.78	20.74		
5	16QAM	12	13	20.78	20.74	20.82	21.9	0
5	16QAM	25	0	20.81	20.85	20.75		
5	64QAM	1	0	20.61	20.58	20.67		
5	64QAM	1	12	20.77	20.71	20.77		21
5	64QAM	1	24	20.76	20.72	20.82		
5	64QAM	12	0	19.94	20.05	19.95		
5	64QAM	12	7	20.37	20.30	20.28		
5	64QAM	12	13	20.32	20.33	20.27	21	0.9
5	64QAM	25	0	19.87	20.06	20.02		
5	256QAM	1	0	17.37	17.29	17.30		
5	256QAM	1	12	17.28	17.30	17.20	19	2.9
5	256QAM	1	24	17.28	17.30	17.26		
5	256QAM	12	0	17.72	17.72	17.67		
5	256QAM	12	7	17.70	17.78	17.70		
5	256QAM	12	13	17.61	17.69	17.58	19	2.9
5	256QAM	25	0	17.54	17.63	17.68		

Band 41_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co. (Frac)	Power Low Middle Co. (Frac)	Power Middle Co. (Frac)	Power High Middle Co. (Frac)	Power High Co. (Frac)	Tune-up time (s)	MPR (dB)
Channel										
Frequency (MHz)				39750	41180	42620	41555	41490		
20	QPSK	1	0	20.65	20.66	20.52	20.34	20.69	21.9	0
20	QPSK	1	49	20.68	20.82	20.51	20.44	20.85		
20	QPSK	1	99	20.86	20.53	20.68	20.50	20.90		
20	QPSK	50	0	25.85	20.30	20.66	20.47	20.88		
20	QPSK	50	24	20.61	20.52	20.45	20.45	20.68	21.9	0
20	QPSK	50	50	20.51	20.36	20.43	20.41	20.76		
20	QPSK	100	0	20.37	20.88	20.49	20.24	20.67		
20	16QAM	1	0	20.67	20.66	20.41	20.49	20.75		
20	16QAM	1	49	20.71	20.66	20.56	20.37	20.58	21.9	0
20	16QAM	1	99	20.73	20.77	20.48	20.50	20.71		
20	16QAM	50	0	20.51	20.68	20.27	20.18	20.47		
20	16QAM	50	24	20.73	20.62	20.48	20.44	20.78		
20	16QAM	50	50	20.63	20.59	20.47	20.32	20.64	21.9	0
20	16QAM	100	0	20.40	20.41	20.26	20.46	20.36		
20	64QAM	1	0	20.25	20.63	20.51	20.22	20.36		21
20	64QAM	1	49	20.39	20.28	20.25	20.11	20.13	21.9	0
20	64QAM	1	99	20.63	20.63	20.57	20.05	20.23		
20	64QAM	50	0	20.44	20.12	20.34	19.90	20.00		
20	64QAM	50	24	20.38	20.36	20.27	20.28	20.49		
20	64QAM	50	50	20.29	20.26	20.14	20.07	20.45	21.9	0
20	64QAM	100	0	20.09	20.27	20.06	20.30	20.18		
20	256QAM	1	0	17.77	17.81	18.68	17.66	17.79		19
20	256QAM	1	49	17.73	17.77	17.66	17.61	17.77	19	2.9
20	256QAM	1	99	17.78	17.74	17.59	17.47	17.58		
20	256QAM	50	0	18.13	18.18	18.03	18.00	18.16		
20	256QAM	50	24	18.04	18.10	17.73	17.97	18.23		
20	256QAM	50	50	17.84	18.00	17.94	17.93	18.14	19	2.9
20	256QAM	100	0	17.89	18.03	18.00	17.90	18.10		
Channel										
Frequency (MHz)				39725	40173	40620	41066	41015	Tune-up time (s)	MPR (dB)
15	QPSK	1	0	20.61	20.63	20.49	20.17	20.65	21.9	0
15	QPSK	1	49	20.62	20.54	20.52	20.34	20.64		
15	QPSK	1	99	20.68	20.78	20.51	20.42	20.83		
15	QPSK	50	0	25.85	20.32	20.63	20.48	20.89		
15	QPSK	36	0	20.72	20.88	20.52	20.67	20.77	21.9	0
15	QPSK	36	20	20.60	20.49	20.41	20.41	20.66		
15	QPSK	36	36	20.50	20.34	20.39	20.37	20.71		
15	QPSK	75	0	20.37	20.79	20.47	20.22	20.67		
15	QPSK	1	0	20.64	20.65	20.39	20.43	20.70	21.9	0
15	16QAM	1	37	20.68	20.61	20.52	20.35	20.66		
15	16QAM	1	74	20.71	20.74	20.46	20.46	20.66		
15	16QAM	36	0	20.48	20.59	20.26	20.15	20.43		
15	16QAM	36	20	20.73	20.78	20.46	20.42	20.76	21.9	0
15	16QAM	36	36	20.60	20.54	20.44	20.28	20.62		
15	16QAM	75	0	20.38	20.38	20.23	20.46	20.31		
15	16QAM	1	0	20.38	20.51	20.27	20.15	20.31		
15	64QAM	1	37	20.39	20.27	20.24	20.08	20.10	21.9	0
15	64QAM	1	74	20.61	20.62	20.52	20.03	20.18		
15	64QAM	36	0	20.42	20.57	20.23	19.96	20.06		
15	64QAM	36	20	20.36	20.36	20.27	20.27	20.48		
15	64QAM	36	36	20.25	20.23	20.12	20.07	20.42	21	0.9
15	64QAM	75	0	20.07	20.25	19.91	20.18	20.15		
15	64QAM	1	0	20.12	17.76	17.83	17.83	17.74		
15	256QAM	1	37	17.71	17.73	17.65	17.59	17.72		
15	256QAM	1	74	17.81	17.73	17.57	17.83	17.90	19	2.9
15	256QAM	1	99	18.18	18.18	18.02	17.88	18.16		
15	256QAM	36	0	18.02	18.05	17.72	17.95	18.18		
15	256QAM	36	36	18.07	17.86	17.91	17.89	18.13		
15	256QAM	75	0	17.93	18.01	18.00	17.85	18.06		
Channel										
Frequency (MHz)				20511 <th>20547<th>20593<th>20639<th>20685<th>Tune-up time (s)</th><th>MPR (dB)</th></th></th></th></th>	20547 <th>20593<th>20639<th>20685<th>Tune-up time (s)</th><th>MPR (dB)</th></th></th></th>	20593 <th>20639<th>20685<th>Tune-up time (s)</th><th>MPR (dB)</th></th></th>	20639 <th>20685<th>Tune-up time (s)</th><th>MPR (dB)</th></th>	20685 <th>Tune-up time (s)</th> <th>MPR (dB)</th>	Tune-up time (s)	MPR (dB)
10	QPSK	1	0	20.61	20.63	20.49	20.30	20.65	21.9	0
10	QPSK	1	49	20.64	20.77	20.50	20.40	20.83		
10	QPSK	1	49	20.62	20.92	20.63	20.47	20.87		
10	QPSK	25	0	20.73	20.87	20.53	20.63	20.73		
10	QPSK	25	12	20.59	20.47	20.41	20.42	20.66	21.9	0
10	QPSK	25	25	20.48	20.36	20.38	20.37	20.74		
10	QPSK	50	0	20.35	20.84	20.44	20.23	20.66		
10	16QAM	1	0	20.67	20.61	20.39	20.44	20.70		
10	16QAM	1	49	20.67	20.66	20.52	20.35	20.67	21.9	0
10	16QAM	1	49	20.70	20.76	20.48	20.47	20.69		
10	16QAM	25	0	20.47	20.53	20.26	20.18	20.42		
10	16QAM	25	12	20.73	20.59	20.48	20.30	20.75		
10	16QAM	25	25	20.61	20.57	20.46	20.27	20.60	21.9	0
10	16QAM	50	0	20.40	20.39	20.23	20.44	20.31		
10	64QAM	1	0	20.33	20.03	20.31	20.20	20.32		
10	64QAM	1	49	20.37	20.23	20.21	20.02	20.12		
10	64QAM	1	49	20.62	20.62	20.53	20.00	20.21	21.9	0
10	64QAM	25	0	20.44	20.12	20.24	19.89	19.99		
10	64QAM	25	12	20.38	20.31	20.27	20.28	20.48		
10	64QAM	25	25	20.54	20.26	20.13	20.10	20.45		
10	64QAM	50	0	20.05	20.24	19.93	20.19	20.15	21	0.9
10	256QAM	1	0	17.82	17.76	17.85	17.61	17.79		
10	256QAM	1	49	17.71	17.72	17.62	17.51	17.76		
10	256QAM	1	49	17.84	17.70	17.54	17.65	17.88		
10	256QAM	25	0	18.20	18.13	18.02	17.97	18.13	19	2.9
10	256QAM	25	12	18.06	18.07	17.98	17.82	18.23		
10	256QAM	25	25	18.07	18.00	17.93	17.91	18.11		
10	256QAM	50	0	17.94	18.03	17.99	17.88	18.06		
Channel										
Frequency (MHz)				39675	41148	42620	41003	41065 <th>Tune-up time (s)</th> <th>MPR (dB)</th>	Tune-up time (s)	MPR (dB)
5	QPSK	1	0	20.60	20.62	20.46	20.29	20.66	21.9	0
5	QPSK	1	12	20.65	20.82	20.46	20.43	20.82		
5	QPSK	1	24	20.63	20.52	20.58	20.52	20.89		
5	QPSK	12	9	20.72	20.84	20.52	20.66	20.76		
5	QPSK	12	7	20.58	20.52	20.43	20.40	20.64	21.9	0
5	QPSK	12	13	20.51	20.36	20.41	20.36	20.72		
5	QPSK	25	0	20.35	20.84	20.47	20.34	20.63		
5	16QAM	1	0	20.66	20.62	20.36	20.45	20.65		
5	16QAM	1	12	20.69	20.64	20.52	20.32	20.58	21.9	0
5	16QAM	1	24	20.68	20.73	20.46	20.46	20.71		
5	16QAM	12	0	20.48	20.53	20.24	20.16	20.47		
5	16QAM	12	7	20.69	20.59	20.44	20.41	20.75		
5	16QAM	12	13	20.59	20.57	20.43	20.32	20.60	21.9	0
5	64QAM	1	0	20.36	20.37	20.22	20.37	20.21		
5	64QAM	1	0	20.34	20.03	20.31	20.22	20.36		
5	64QAM	1	12	20.37	20.26	20.23	20.09	20.12		
5	64QAM	1	24	20.58	20.63	20.36	20.36	20.32	21	0.9
5	64QAM	12	0	20.44	20.11	20.19	19.86	20.20		
5	64QAM	12	7	20.33	20.34	20.27	20.27	20.46		
5	64QAM	12	13	20.27	20.26	20.10	20.26	20.43		
5	256QAM	1	0	20.09	20.23	19.92	20.18	20.14	19	2.9
5	256QAM	1	0	17.82	17.80	17.86	17.65	17.74		
5	256QAM	1	12	17.71	17.72	17.84	17.58	17.77		
5	256QAM	1	24	17.87	17.71	17.55	17.67	17.86		
5	256QAM	12	0	18.18	18.15	18.02	17.96	18.11		
5	256QAM	12	7	18.05	18.00	17.70	17.92	18.21	19	2.9
5	256QAM	12	13	18.04	17.99	17.82	17.93	18.10		
5	256QAM	12	0	17.90	18.00	17.80	17.87	18.06		
5	256QAM	12	0	18.06	18.00	17.80	17.87	18.06		



DSI3 Sim-Tx

Band 2_Ant 2													
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	18.51	18.42	18.48	19.5	0					
20	QPSK	1	49	18.52	18.43	18.49							
20	QPSK	1	99	18.46	18.40	18.34							
20	QPSK	50	0	18.48	18.40	18.47							
20	QPSK	50	24	18.35	18.35	18.32							
20	QPSK	50	50	18.39	18.31	18.42	19.5	0					
20	QPSK	100	0	18.39	18.34	18.38							
20	16QAM	1	0	18.34	18.32	18.40							
20	16QAM	1	49	18.39	18.39	18.45							
20	16QAM	1	99	18.33	18.39	18.42							
20	16QAM	50	0	18.36	18.35	18.39	19.5	0					
20	16QAM	50	24	18.41	18.36	18.37							
20	16QAM	50	50	18.41	18.33	18.32							
20	16QAM	100	0	18.34	18.39	18.37							
20	16QAM	1	0	18.21	18.18	18.14							
20	256QAM	1	0	18.17	18.15	18.11	19	0.5					
20	256QAM	1	37	18.15	18.11	18.01							
20	256QAM	1	99	18.22	18.17	18.13							
20	256QAM	50	0	18.14	18.12	18.09							
20	256QAM	50	24	18.14	18.10	18.05							
20	256QAM	50	50	18.22	18.16	18.09	19	0.5					
20	256QAM	100	0	18.18	18.16	18.11							
Channel													
Frequency (MHz)													
15	QPSK	1	0	18.45	18.38	18.50	19.5	0					
15	QPSK	1	31	18.38	18.43	18.47							
15	QPSK	1	74	18.41	18.44	18.34							
15	QPSK	36	0	18.39	18.36	18.40							
15	QPSK	36	25	18.23	18.25	18.21							
15	QPSK	36	39	18.38	18.26	18.35	19.5	0					
15	QPSK	75	0	18.34	18.37	18.28							
15	16QAM	1	0	18.33	18.27	18.29							
15	16QAM	1	37	18.26	18.32	18.26							
15	16QAM	1	74	18.23	18.27	18.22							
15	16QAM	36	0	18.28	18.31	18.22	19.5	0					
15	16QAM	36	20	18.34	18.28	18.35							
15	16QAM	36	39	18.39	18.30	18.27							
15	16QAM	75	0	18.24	18.26	18.29							
15	16QAM	75	0	18.25	18.24	18.26							
15	64QAM	1	0	18.25	18.24	18.27	19.5	0					
15	64QAM	1	74	18.38	18.33	18.40							
15	64QAM	36	0	18.32	18.27	18.24							
15	64QAM	36	39	18.45	18.33	18.37							
15	64QAM	75	0	18.31	18.28	18.32							
15	256QAM	1	0	18.15	18.14	18.12	19	0.5					
15	256QAM	1	37	18.15	18.11	18.01							
15	256QAM	1	74	18.17	18.08	18.10							
15	256QAM	36	0	18.16	18.12	18.06							
15	256QAM	36	20	17.94	17.97	17.99							
15	256QAM	36	39	18.02	18.11	18.18	19	0.5					
15	256QAM	75	0	18.05	18.06	18.02							
Channel													
Frequency (MHz)													
18	QPSK	1	0	18.46	18.45	18.47	19.5	0					
18	QPSK	1	25	18.49	18.46	18.41							
18	QPSK	1	49	18.34	18.43	18.43							
18	QPSK	25	0	18.46	18.46	18.46							
18	QPSK	25	12	18.35	18.36	18.21							
18	QPSK	25	28	18.34	18.30	18.33	19.5	0					
18	QPSK	50	0	18.32	18.31	18.36							
18	16QAM	1	0	18.23	18.21	18.31							
18	16QAM	1	25	18.29	18.34	18.29							
18	16QAM	25	0	18.24	18.33	18.32							
18	16QAM	25	12	18.40	18.36	18.36	19.5	0					
18	16QAM	25	28	18.38	18.28	18.28							
18	16QAM	50	0	18.28	18.28	18.28							
18	64QAM	1	0	18.29	18.27	18.31							
18	64QAM	1	25	18.38	18.37	18.38							
18	64QAM	1	49	18.38	18.35	18.31	19.5	0					
18	64QAM	25	0	18.32	18.34	18.36							
18	64QAM	25	12	18.34	18.34	18.34							
18	64QAM	25	28	18.36	18.35	18.40							
18	64QAM	50	0	18.26	18.30	18.34							
18	256QAM	1	0	18.16	18.16	18.15	19	0.5					
18	256QAM	1	25	18.05	18.13	18.10							
18	256QAM	1	49	18.13	18.13	18.21							
18	256QAM	25	0	18.06	18.12	18.09							
18	256QAM	25	12	18.03	17.97	18.07							
18	256QAM	25	28	18.02	18.00	18.08	19	0.5					
18	256QAM	50	0	18.14	18.08	18.07							
Channel													
Frequency (MHz)													
5	QPSK	1	0	18.44	18.40	18.43	19.5	0					
5	QPSK	1	12	18.43	18.46	18.36							
5	QPSK	1	24	18.40	18.43	18.34							
5	QPSK	12	0	18.35	18.41	18.35							
5	QPSK	12	7	18.29	18.27	18.29							
5	QPSK	12	13	18.30	18.28	18.34	19.5	0					
5	QPSK	25	0	18.36	18.36	18.36							
5	16QAM	1	0	18.20	18.26	18.30							
5	16QAM	1	12	18.28	18.34	18.34							
5	16QAM	1	24	18.20	18.34	18.34							
5	16QAM	12	0	18.23	18.32	18.31	19.5	0					
5	16QAM	12	7	18.30	18.38	18.32							
5	16QAM	12	13	18.28	18.32	18.37							
5	16QAM	25	0	18.20	18.26	18.29							
5	64QAM	1	0	18.34	18.35	18.35							
5	64QAM	1	14	18.38	18.41	18.36	19.5	0					
5	64QAM	1	24	18.39	18.41	18.36							
5	64QAM	12	0	18.39	18.30	18.35							
5	64QAM	12	7	18.34	18.44	18.39							
5	64QAM	12	13	18.43	18.41	18.44							
5	64QAM	25	0	18.23	18.31	18.31	19	0.5					
5	256QAM	1	0	18.06	18.17	18.05							
5	256QAM	1	12	18.16	17.99	18.04							
5	256QAM	1	24	18.14	18.06	18.03							
5	256QAM	1	0	18.13	18.00	18.05							
5	256QAM	12	7	18.06	17.98	18.08	19	0.5					
5	256QAM	12	13	18.16	18.11	18.10							
5	256QAM	25	0	18.13	18.06	18.07							
Channel													
Frequency (MHz)													
3	QPSK	1	0	18.38	18.36	18.37	19.5	0					
3	QPSK	1	8	18.41	18.36	18.47							

Band 12_Ant 2														
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up int. (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.00	22.50	22.03	23	0						
10	QPSK	1	24	21.91	21.89	22.01								
10	QPSK	1	48	22.00	21.93	21.90								
10	QPSK	25	0	21.99	22.02	21.96								
10	QPSK	25	12	21.84	21.96	21.78	23	0						
10	QPSK	25	25	21.85	21.99	21.89								
10	QPSK	50	0	21.95	21.98	21.84								
10	16QAM	1	0	21.83	21.82	21.88								
10	16QAM	1	24	21.50	21.97	21.76	23	0						
10	16QAM	1	48	21.92	21.85	21.83								
10	16QAM	25	0	20.96	20.91	20.87								
10	16QAM	25	12	20.89	20.87	20.86								
10	16QAM	25	25	20.86	20.90	20.87	22	1						
10	16QAM	50	0	20.81	20.97	20.83								
10	64QAM	1	0	20.90	20.84	20.82								
10	64QAM	1	24	20.94	20.88	20.86								
10	64QAM	1	48	20.95	20.82	20.80	22	1						
10	64QAM	25	0	19.85	19.90	19.75								
10	64QAM	25	12	19.88	19.96	19.75								
10	64QAM	25	25	19.92	19.88	19.84								
10	256QAM	1	0	17.95	18.01	17.83	19	4						
10	256QAM	1	24	17.80	17.91	17.87								
10	256QAM	1	48	17.86	18.01	17.77								
10	256QAM	25	0	17.92	17.88	17.88								
10	256QAM	25	12	17.85	17.85	17.88	19	4						
10	256QAM	25	25	17.84	17.98	17.76								
10	256QAM	50	0	17.81	17.87	17.78								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.96	21.93	21.98	23	0						
5	QPSK	1	12	21.77	21.84	21.79								
5	QPSK	1	24	21.86	21.92	21.88								
5	QPSK	12	0	21.93	21.98	21.97								
5	QPSK	12	7	21.95	21.89	21.95	23	0						
5	QPSK	12	13	21.89	21.96	21.87								
5	QPSK	25	0	21.92	21.95	21.94								
5	16QAM	1	0	21.75	21.72	21.68								
5	16QAM	1	12	21.84	21.85	21.88	23	0						
5	16QAM	1	24	21.74	21.73	21.84								
5	16QAM	12	0	20.81	20.80	20.77								
5	16QAM	12	7	20.76	20.70	20.79								
5	16QAM	12	13	20.89	20.83	20.85	22	1						
5	16QAM	25	0	20.85	20.87	20.86								
5	64QAM	1	0	20.70	20.78	20.72								
5	64QAM	1	12	20.80	20.82	20.82								
5	64QAM	1	24	20.73	20.71	20.75	22	1						
5	64QAM	12	0	19.76	19.82	19.79								
5	64QAM	12	7	19.84	19.84	19.74								
5	64QAM	12	13	19.84	19.84	19.75								
5	64QAM	25	0	19.80	19.80	19.85	19	4						
5	256QAM	1	0	17.93	17.98	17.88								
5	256QAM	1	12	17.82	17.77	17.86								
5	256QAM	1	24	17.88	17.95	17.94								
5	256QAM	12	7	17.85	17.85	17.85	19	4						
5	256QAM	12	7	17.82	17.78	17.92								
5	256QAM	12	13	17.90	17.82	17.83								
5	256QAM	25	0	17.84	17.78	17.79								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.04	21.93	22.00	23	0						
3	QPSK	1	8	21.76	21.84	21.77								
3	QPSK	1	14	21.79	21.84	21.80								
3	QPSK	8	0	21.89	22.01	21.89								
3	QPSK	8	4	21.86	21.82	21.84	23	0						
3	QPSK	8	7	21.96	21.91	21.92								
3	QPSK	15	0	21.84	21.84	21.89								
3	16QAM	1	0	21.68	21.80	21.76								
3	16QAM	1	8	21.83	21.95	21.96	23	0						
3	16QAM	1	14	21.71	21.81									
3	16QAM	8	0	20.86	20.85	20.88								
3	16QAM	8	4	20.81	20.74	20.82								
3	16QAM	8	7	20.86	20.91	20.78	22	1						
3	16QAM	15	0	20.95	20.94	20.96								
3	64QAM	1	0	20.78	20.80	20.77								
3	64QAM	1	8	20.77	20.70	20.87								
3	64QAM	1	14	20.72	20.71	20.70	21	2						
3	64QAM	8	0	19.80	19.78	19.88								
3	64QAM	8	4	19.94	19.86	19.95								
3	64QAM	8	7	19.79	19.81	19.80								
3	64QAM	15	0	19.82	19.81	19.89	19	4						
3	256QAM	1	0	16.90	17.90									
3	256QAM	1	14	17.98	17.86	17.79								
3	256QAM	8	0	17.83	17.68	17.69								
3	256QAM	8	4	17.93	17.81	17.81	19	4						
3	256QAM	8	7	17.89	17.87	17.83								
3	256QAM	15	0	17.72	17.66	17.79								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.02	22.03	21.97	23	0						
1.4	QPSK	1	3	21.84	21.80	21.87								
1.4	QPSK	1	5	21.90	21.84	21.90								
1.4	QPSK	3	0	21.91	21.89	22.00								
1.4	QPSK	3	1	21.90	21.84	21.91	23	0						
1.4	QPSK	3	3	21.92	21.98	21.94								
1.4	QPSK	8	0	21.82	21.96	21.84								
1.4	16QAM	1	0	21.80	21.77	21.89								
1.4	16QAM	1	3	21.83	21.90	21.91	23	0						
1.4	16QAM	1	5	21.77	21.71	21.78								
1.4	16QAM	3	0	21.81	21.77	21.84								
1.4	16QAM	3	1	21.75	21.73	21.81								
1.4	16QAM	3	3	21.88	21.87	21.91	22	1						
1.4	64QAM	1	0	20.93	20.95	20.89								
1.4	64QAM	1	3	20.74	20.82	20.81								
1.4	64QAM	1	5	20.74	20.78	20.74								
1.4	64QAM	3	0	20.83	20.78	20.75								
1.4	64QAM	3	1	20.80	20.83	20.88	22	1						
1.4	64QAM	3	3	20.87	20.74	20.82								
1.4	256QAM	1	0	19.86	19.85	19.80								
1.4	256QAM	1	3	17.88	17.68	17.89								
1.4	256QAM	1	3	17.74	17.76	17.87	19	4						
1.4	256QAM	1	5	17.95	17.95	17.89								
1.4	256QAM	3	0	17.75	17.70	17.79								
1.4	256QAM	3	1	17.90	17.93	17.91								
1.4	256QAM	3	3	17.85	17.78	17.90	19	4						
1.4	256QAM	6	0	17.89	17.72	17.79								

Band 13_Ant 2												
SV [MHz]	Modulation	RB Size	RB Offset	Power [dBm]	Power [dBm]	Power [dBm]	Turn-on time [dBm]	MFR [dB]				
Channel												
Frequency [MHz]												
10	QPSK	1	0		21.41		22.5	0				
10	QPSK	1	25		21.36							
10	QPSK	1	50		21.36							
10	QPSK	25	0		21.37							
10	QPSK	25	12		21.25							
10	QPSK	25	25		21.20		22.5	0				
10	QPSK	50	0		21.35							
10	QPSK	1	0		21.32							
10	QPSK	1	25		21.25							
10	QPSK	1	49		21.25							
10	QPSK	25	0		20.74		22.5	0.5				
10	QPSK	25	12		20.75							
10	QPSK	25	25		20.84							
10	QPSK	50	0		20.77							
10	QPSK	1	25		20.79							
10	QPSK	1	25		20.84		22	0.5				
10	QPSK	1	49		20.84							
10	QPSK	25	12		19.72							
10	QPSK	25	25		19.79							
10	QPSK	50	0		19.74							
10	25QAM	1	0		18.19		19	3.5				
10	25QAM	1	25		18.11							
10	25QAM	1	49		18.15							
10	25QAM	25	0		18.10							
10	25QAM	25	12		18.13							
10	25QAM	25	25		18.17		19	3.5				
10	25QAM	50	0		18.11							
				23005	23030	23035						
Frequency [MHz]												
5	QPSK	1	0	21.28	21.27	21.23			22.5	0		
5	QPSK	1	12	21.23	21.25	21.33						
5	QPSK	25	0	21.22	21.23	21.24						
5	QPSK	12	12	21.23	21.25	21.23						
5	QPSK	12	7	21.20	21.19	21.11						
5	QPSK	12	12	21.07	21.10	21.18	22.5	0				
5	QPSK	25	0	21.30	21.28	21.33						
5	QPSK	1	0	21.31	21.25	21.25						
5	QPSK	1	24	21.11	21.14	21.18						
5	QPSK	1	24	21.10	21.18	21.14						
5	QPSK	12	0	20.67	20.67	20.63	22	0.5				
5	QPSK	12	12	20.69	20.70	20.60						
5	QPSK	12	19	20.73	20.73	20.75						
5	QPSK	25	0	20.82	20.77	20.78						
5	QPSK	25	12	20.66	20.73	20.76						
5	QPSK	1	12	20.67	20.71	20.71	22	0.5				
5	QPSK	1	24	20.62	20.60	20.73						
5	QPSK	12	9	20.63	20.71	20.71						
5	QPSK	12	9	19.62	19.70	19.61						
5	QPSK	12	18	19.69	19.72	19.75						
5	25QAM	1	0	19.66	19.68	19.71	19	3.5				
5	25QAM	1	1	18.13	18.09	18.09						
5	25QAM	1	12	18.08	18.10	17.27						
5	25QAM	25	0	18.05	18.05	18.03						
5	25QAM	12	12	17.91	17.94	18.00						
5	25QAM	12	7	18.11	18.09	18.06	19	3.5				
5	25QAM	12	12	18.05	18.05	18.01						
5	25QAM	25	0	17.99	18.10	18.10						



Band 17_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.82	21.85	21.91			
10	QPSK	1	25	21.86	21.92	21.92	23	0	
10	QPSK	1	49	21.71	21.76	21.78			
10	QPSK	25	0	21.76	21.83	21.82			
10	QPSK	25	12	21.80	21.82	21.71	23	0	
10	QPSK	25	25	21.57	21.71	21.78			
10	QPSK	50	0	21.65	21.81	21.72			
10	HQAM	1	0	21.53	21.62	21.67			
10	HQAM	1	25	21.64	21.80	21.68	23	0	
10	HQAM	1	49	21.57	21.69	21.67			
10	HQAM	25	0	20.54	20.65	20.59			
10	HQAM	25	12	20.50	20.78	20.55	22	1	
10	HQAM	25	25	20.51	20.67	20.58			
10	HQAM	50	0	20.46	20.73	20.65			
10	HQAM	1	0	20.56	20.63	20.68			
10	HQAM	1	25	20.52	20.67	20.59	22	1	
10	HQAM	25	0	19.58	19.63	19.67			
10	HQAM	25	12	19.48	19.63	19.64			
10	HQAM	25	25	19.55	19.61	19.53	21	2	
10	HQAM	50	0	19.58	19.67	19.68			
10	25QAM	1	0	17.58	17.68	17.68			
10	25QAM	1	25	17.47	17.79	17.68	19	4	
10	25QAM	1	49	17.45	17.67	17.69			
10	25QAM	25	0	17.61	17.72	17.62			
10	25QAM	25	12	17.63	17.68	17.68	19	4	
10	25QAM	25	25	17.60	17.67	17.53			
10	25QAM	50	0	17.60	17.69	17.62			
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.84	21.90	21.83	23	0	
5	QPSK	1	12	21.80	21.84	21.85			
5	QPSK	1	24	21.72	21.84	21.68			
5	QPSK	12	0	21.72	21.77	21.79			
5	QPSK	12	7	21.68	21.68	21.59	23	0	
5	QPSK	12	13	21.59	21.57	21.69			
5	QPSK	25	0	21.71	21.75	21.68			
5	HQAM	1	0	21.62	21.63	21.56			
5	HQAM	1	12	21.76	21.69	21.79	23	0	
5	HQAM	1	24	21.57	21.58	21.61			
5	HQAM	12	0	20.65	20.58	20.58			
5	HQAM	12	7	20.71	20.65	20.65	22	1	
5	HQAM	12	13	20.64	20.58	20.59			
5	HQAM	25	0	20.72	20.65	20.69			
5	HQAM	1	0	20.62	20.58	20.51			
5	HQAM	1	12	20.63	20.58	20.56	22	1	
5	HQAM	1	24	20.58	20.58	20.75			
5	HQAM	12	0	19.65	19.61	19.59			
5	HQAM	12	13	19.54	19.49	19.54	21	2	
5	HQAM	25	0	19.60	19.62	19.58			
5	HQAM	1	0	17.64	17.54	17.62			
5	25QAM	1	12	17.69	17.61	17.76	19	4	
5	25QAM	1	24	17.64	17.62	17.68			
5	25QAM	12	0	17.58	17.60	17.55			
5	25QAM	12	7	17.49	17.58	17.59	19	4	
5	25QAM	12	13	17.62	17.61	17.59			
5	25QAM	25	0	17.65	17.65	17.58			

Band 25_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.46	18.55	18.52	19.5	0	
20	QPSK	1	25	18.38	18.45	18.46			
20	QPSK	1	49	18.34	18.47	18.41			
20	QPSK	50	0	18.43	18.50	18.50			
20	QPSK	50	24	18.35	18.42	18.40	19.5	0	
20	QPSK	50	50	18.35	18.42	18.43			
20	QPSK	100	0	18.27	18.59	18.41			
20	HQAM	1	0	18.25	18.44	18.32			
20	HQAM	1	49	18.36	18.43	18.33	19.5	0	
20	HQAM	1	99	18.33	18.47	18.40			
20	HQAM	50	0	18.31	18.35	18.32			
20	HQAM	50	24	18.24	18.35	18.36	19.5	0	
20	HQAM	50	50	18.34	18.41	18.40			
20	HQAM	100	0	18.26	18.45	18.35			
20	HQAM	1	0	18.34	18.35	18.35			
20	HQAM	1	49	18.25	18.38	18.41	19.5	0	
20	HQAM	1	99	18.30	18.36	18.40			
20	HQAM	50	0	18.31	18.47	18.36			
20	HQAM	50	24	18.28	18.36	18.35	19.5	0	
20	HQAM	50	50	18.23	18.29	18.31			
20	HQAM	100	0	18.29	18.33	18.42			
20	25QAM	1	0	18.25	18.30	18.24			
20	25QAM	1	49	18.20	18.25	18.21	19	0.5	
20	25QAM	1	99	18.22	18.27	18.23			
20	25QAM	50	0	18.16	18.20	18.13			
20	25QAM	50	24	18.13	18.18	18.11	19	0.5	
20	25QAM	50	50	18.10	18.15	18.09			
20	25QAM	100	0	18.11	18.11	18.11			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.37	18.45	18.44			
15	QPSK	1	25	18.36	18.41	18.39	19.5	0	
15	QPSK	1	74	18.38	18.39	18.34			
15	QPSK	36	0	18.34	18.43	18.44			
15	QPSK	36	18	18.30	18.32	18.35	19.5	0	
15	QPSK	36	36	18.24	18.34	18.33			
15	QPSK	75	0	18.21	18.45	18.31			
15	HQAM	1	0	18.28	18.34	18.21			
15	HQAM	1	37	18.31	18.37	18.25	19.5	0	
15	HQAM	1	74	18.23	18.42	18.34			
15	HQAM	36	0	18.23	18.25	18.23			
15	HQAM	36	20	18.19	18.30	18.29	19.5	0	
15	HQAM	36	36	18.25	18.36	18.30			
15	HQAM	75	0	18.20	18.36	18.30			
15	HQAM	1	0	18.24	18.27	18.26			
15	HQAM	1	37	18.16	18.32	18.26	19.5	0	
15	HQAM	1	74	18.21	18.28	18.30			
15	HQAM	36	0	18.23	18.30	18.30			
15	HQAM	36	36	18.17	18.33	18.25	19.5	0	
15	HQAM	75	0	18.20	18.27	18.35			
15	25QAM	1	0	18.26	18.26	18.26			
15	25QAM	1	37	18.13	18.16	18.15	19	0.5	
15	25QAM	1	74	18.12	18.19	18.15			
15	25QAM	36	0	18.05	18.05	18.05			
15	25QAM	36	20	18.05	18.11	18.02	19	0.5	
15	25QAM	36	36	18.01	18.05	18.03			
15	25QAM	75	0	18.03	18.12	18.03			
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.30	18.47	18.48			
20	QPSK	1	25	18.32	18.36	18.30	19.5	0	
20	QPSK	1	49	18.35	18.42	18.32			
20	QPSK	25	0	18.30	18.47	18.42			
20	QPSK	25	12	18.29	18.33	18.36	19.5	0	
20	QPSK	25	25	18.23	18.37	18.30			
20	QPSK	50	0	18.21	18.41	18.36			
20	HQAM	1	0	18.21	18.39	18.26			
20	HQAM	1	25	18.27	18.38	18.28	19.5	0	
20	HQAM	1	49	18.23	18.33	18.28			
20	HQAM	25	0	18.22	18.25	18.27			
20	HQAM	25	12	18.17	18.25	18.28	19.5	0	
20	HQAM	25	25	18.27	18.37	18.30			
20	HQAM	50	0	18.22	18.37	18.30			
20	HQAM	1	0	18.27	18.28	18.30	19.5	0	
20	HQAM	1	25	18.21	18.32	18.32			
20	HQAM	1	49	18.20	18.27	18.30			
20	HQAM	25	0	18.22	18.38	18.28			
20	HQAM	25	12	18.22	18.26	18.25	19.5	0	
20	HQAM	25	25	18.14	18.26	18.25			
20	HQAM	50	0	18.20	18.25	18.32			
20	25QAM	1	0	18.26	18.34	18.26			
20	25QAM	1	25	18.15	18.19	18.11	19	0.5	
20	25QAM	1	49	18.12	18.21	18.14			
20	25QAM	25	0	18.07	18.15	18.08			
20	25QAM	25	12	18.05	18.08	18.05	19	0.5	
20	25QAM	25	25	18.02	18.09	18.02			
20	25QAM	50	0	18.11	18.14	18.14			
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.28	18.48	18.44			
20	QPSK	1	12	18.31	18.39	18.37	19.5	0	
20	QPSK	1	24	18.39	18.37	18.35			
20	QPSK	12	0	18.33	18.46	18.41			
20	QPSK	12	7	18.30	18.34	18.35	19.5	0	
20	QPSK	12	13	18.24	18.36	18.33			</

Band 30_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
2110									
10	QPSK	1	0	12.18			13.5	0	
10	QPSK	1	25	12.22					
10	QPSK	1	49	12.18					
10	QPSK	25	0	12.22			13.5	0	
10	QPSK	25	12	12.19					
10	QPSK	25	25	12.18					
10	QPSK	50	0	12.18			13.5	0	
10	16QAM	1	0	12.17					
10	16QAM	1	25	12.18					
10	16QAM	1	49	12.21			13.5	0	
10	16QAM	25	0	12.20					
10	16QAM	25	12	12.16					
10	16QAM	25	25	12.23			13.5	0	
10	16QAM	50	0	12.18					
10	256QAM	1	0	12.20					
10	256QAM	1	25	12.22			13.5	0	
10	256QAM	1	49	12.15					
10	256QAM	25	0	12.19					
10	256QAM	25	12	12.24			13.5	0	
10	256QAM	25	25	12.17					
10	256QAM	50	0	12.21					
Channel									
Frequency (MHz)									
				21685	21710	21735	Turn-up limit (dB)	MPE (dB)	
5	QPSK	1	0	12.15	12.17	12.17			
5	QPSK	1	12	12.07	12.08	12.08			
5	QPSK	1	24	12.12	12.11	12.08	13.5	0	
5	QPSK	12	0	12.13	12.14	12.17			
5	QPSK	12	7	12.09	12.11	12.14			
5	QPSK	12	13	12.08	12.11	12.08	13.5	0	
5	QPSK	25	0	12.09	12.10	12.08			
5	16QAM	1	0	12.08	12.11	12.09			
5	16QAM	1	12	12.12	12.12	12.08	13.5	0	
5	16QAM	1	24	12.12	12.14	12.16			
5	16QAM	12	0	12.10	12.10	12.08			
5	16QAM	12	7	12.11	12.09	12.07	13.5	0	
5	16QAM	12	13	12.08	12.10	12.11			
5	16QAM	25	0	12.11	12.09	12.10			
5	84QAM	1	0	12.06	12.05	12.07	13.5	0	
5	84QAM	1	12	12.09	12.12	12.09			
5	84QAM	1	24	12.14	12.16	12.14			
5	84QAM	12	0	12.11	12.10	12.15	13.5	0	
5	84QAM	12	7	12.12	12.11	12.12			
5	84QAM	12	13	12.15	12.15	12.13			
5	84QAM	25	0	12.11	12.09	12.13	13.5	0	
5	256QAM	1	0	12.11	12.11	12.14			
5	256QAM	1	12	12.12	12.15	12.13			
5	256QAM	1	24	12.07	12.06	12.05	13.5	0	
5	256QAM	12	0	12.10	12.11	12.10			
5	256QAM	12	7	12.15	12.19	12.19			
5	256QAM	12	13	12.10	12.12	12.09	13.5	0	
5	256QAM	25	0	12.12	12.12	12.11			

Band 66_Ant 2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turnup limit (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
				13007.5	13007.5	13007.5	20	0				
20	QPSK	1	0	13.07	13.08	13.03						
20	QPSK	1	49	13.03	13.06	13.08						
20	QPSK	1	99	13.01	13.01	13.04	20	0				
20	QPSK	50	0	13.05	13.03	13.01						
20	QPSK	50	24	13.05	13.03	13.05						
20	QPSK	50	50	13.09	13.06	13.05	20	0				
20	16QAM	1	0	13.02	13.03	13.05						
20	16QAM	1	49	13.06	13.01	13.05						
20	16QAM	1	99	13.05	13.07	13.05	20	0				
20	16QAM	50	0	13.05	13.07	13.05						
20	16QAM	50	24	13.07	13.01	13.05						
20	16QAM	50	50	13.01	13.03	13.07	20	0				
20	16QAM	100	0	13.04	13.07	13.05						
20	84QAM	1	0	13.03	13.05	13.05	20	0				
20	84QAM	1	49	13.05	13.02	13.05						
20	84QAM	1	99	13.07	13.03	13.05						
20	84QAM	50	0	13.04	13.05	13.01	20	0				
20	84QAM	50	24	13.05	13.01	13.05						
20	84QAM	50	50	13.01	13.03	13.05						
20	256QAM	1	0	13.02	13.02	13.05	19	1				
20	256QAM	1	49	13.03	13.07	13.05						
20	256QAM	1	99	13.02	13.05	13.02						
20	256QAM	50	0	13.06	13.02	13.05	19	1				
20	256QAM	50	24	13.05	13.05	13.05						
20	256QAM	50	50	13.05	13.05	13.05						
20	256QAM	100	0	13.02	13.05	13.05	19	1				
20	256QAM	1	0	13.02	13.05	13.05						
Channel												
Frequency (MHz)												
				1717.5	1745.17	1773.5	Turnup limit (dB)	MPE (dB)				
15	QPSK	1	0	13.06	13.07	13.05						
15	QPSK	1	37	13.02	13.06	13.05						
15	QPSK	1	74	13.06	13.07	13.02	20	0				
15	QPSK	36	0	13.01	13.03	13.04						
15	QPSK	36	20	13.09	13.05	13.05						
15	QPSK	36	39	13.09	13.05	13.05	20	0				
15	QPSK	75	0	13.05	13.02	13.05						
15	16QAM	1	0	13.01	13.05	13.05						
15	16QAM	1	37	13.08	13.05	13.05	20	0				
15	16QAM	1	74	13.02	13.04	13.06						
15	16QAM	36	0	13.06	13.05	13.05						
15	16QAM	36	20	13.09	13.05	13.05	20	0				
15	16QAM	36	39	13.09	13.05	13.05						
15	16QAM	75	0	13.04	13.09	13.09						
15	16QAM	75	0	13.03	13.05	13.04	19	1				
15	256QAM	1	0	13.03	13.05	13.05						
15	256QAM	1	37	13.07	13.06	13.07						
15	256QAM	1	74	13.02	13.04	13.03	19	1				
15	256QAM	36	0	13.05	13.05	13.02						
15	256QAM	36	20	13.04	13.05	13.01						
15	256QAM	36	39	13.04	13.05	13.04	19	1				
15	256QAM	75	0	13.02	13.05	13.05						
Channel												
Frequency (MHz)												
				1715	1745.17	1773.5	Turnup limit (dB)	MPE (dB)				
10	QPSK	1	0	13.02	13.04	13.04						
10	QPSK	1	25	13.07	13.06	13.07						
10	QPSK	1	49	13.07	13.05	13.01	20	0				
10	QPSK	25	0	13.08	13.01	13.05						
10	QPSK	25	12	13.04	13.05	13.05						
10	QPSK	25	25	1			20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05						
10	QPSK	25	25	13.08	13.05	13.05	20	0				
10	QPSK	25	25	13.08	13.05	13.05						
10												

Band 41_Ant 8										
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	15.9	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	14.63	14.93	14.70	14.57	14.84	15.9	0
20	QPSK	1	49	14.62	14.92	14.69	14.59	14.86		
20	QPSK	1	99	14.67	14.96	14.77	14.66	14.90		
20	QPSK	50	0	14.66	14.96	14.75	14.64	14.87		
20	QPSK	50	24	14.63	14.95	14.69	14.61	14.83	15.9	0
20	QPSK	50	50	14.65	14.93	14.72	14.63	14.81		
20	QPSK	100	0	14.65	14.97	14.76	14.64	14.89		
20	16QAM	1	0	14.64	14.94	14.74	14.61	14.91		
20	16QAM	1	49	14.62	14.89	14.70	14.58	14.85	15.9	0
20	16QAM	1	99	14.69	14.93	14.76	14.67	14.92		
20	16QAM	50	0	14.70	14.94	14.76	14.68	14.92		
20	16QAM	50	24	14.62	14.88	14.70	14.62	14.87		
20	16QAM	50	50	14.68	14.93	14.73	14.64	14.89	15.9	0
20	16QAM	100	0	14.69	14.90	14.75	14.66	14.90		
20	64QAM	1	0	14.67	14.93	14.72	14.64	14.85		
20	64QAM	1	49	14.69	14.94	14.74	14.62	14.90		
20	64QAM	1	99	14.66	14.97	14.76	14.67	14.93	15.9	0
20	64QAM	50	0	14.62	14.93	14.70	14.59	14.83		
20	64QAM	50	24	14.68	14.92	14.73	14.64	14.88		
20	64QAM	50	50	14.66	14.94	14.73	14.65	14.88		
20	64QAM	100	0	14.67	14.95	14.75	14.67	14.92	15.9	0
20	256QAM	1	0	14.36	14.42	14.35	14.36	14.36		
20	256QAM	1	49	14.30	14.41	14.31	14.34	14.39		
20	256QAM	1	99	14.36	14.44	14.37	14.37	14.40		
20	256QAM	50	0	14.32	14.42	14.31	14.36	14.36	15.9	0
20	256QAM	50	24	14.35	14.46	14.34	14.39	14.38		
20	256QAM	50	50	14.38	14.44	14.34	14.34	14.40		
20	256QAM	100	0	14.30	14.47	14.30	14.31	14.35		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	15.9	0
15	QPSK	1	0	14.53	14.84	14.60	14.48	14.78		
15	QPSK	1	37	14.57	14.84	14.63	14.50	14.78	15.9	0
15	QPSK	1	74	14.58	14.89	14.71	14.59	14.81		
15	QPSK	36	0	14.60	14.86	14.65	14.59	14.78		
15	QPSK	36	20	14.53	14.86	14.64	14.51	14.73		
15	QPSK	36	39	14.58	14.87	14.67	14.55	14.73	15.9	0
15	QPSK	75	0	14.61	14.91	14.69	14.61	14.86		
15	16QAM	1	0	14.54	14.86	14.66	14.51	14.81		
15	16QAM	1	37	14.55	14.83	14.60	14.50	14.76		
15	16QAM	1	74	14.64	14.85	14.66	14.60	14.86	15.9	0
15	16QAM	36	0	14.63	14.87	14.68	14.59	14.86		
15	16QAM	36	20	14.55	14.80	14.61	14.56	14.78		
15	16QAM	36	39	14.59	14.85	14.64	14.55	14.80		
15	16QAM	75	0	14.61	14.81	14.66	14.58	14.82	15.9	0
15	64QAM	1	0	14.58	14.84	14.67	14.59	14.80		
15	64QAM	1	37	14.61	14.88	14.69	14.56	14.83		
15	64QAM	1	74	14.57	14.89	14.68	14.58	14.83		
15	64QAM	36	0	14.53	14.83	14.65	14.51	14.77	15.9	0
15	64QAM	36	20	14.58	14.82	14.68	14.59	14.79		
15	64QAM	36	39	14.61	14.87	14.67	14.59	14.82		
15	64QAM	75	0	14.57	14.89	14.69	14.57	14.85		
15	256QAM	1	0	14.36	14.37	14.28	14.27	14.29	15.9	0
15	256QAM	1	37	14.29	14.31	14.26	14.28	14.31		
15	256QAM	1	74	14.37	14.39	14.30	14.27	14.35		
15	256QAM	36	0	14.26	14.33	14.24	14.30	14.29		
15	256QAM	36	20	14.30	14.41	14.29	14.34	14.33	15.9	0
15	256QAM	36	39	14.35	14.39	14.29	14.26	14.35		
15	256QAM	75	0	14.25	14.37	14.21	14.23	14.25		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	15.9	0
10	QPSK	1	0	14.53	14.87	14.60	14.51	14.75		
10	QPSK	1	25	14.53	14.83	14.60	14.54	14.76	15.9	0
10	QPSK	1	49	14.57	14.93	14.70	14.58	14.80		
10	QPSK	25	0	14.60	14.89	14.65	14.54	14.80		
10	QPSK	25	12	14.56	14.88	14.62	14.51	14.74	15.9	0
10	QPSK	25	25	14.60	14.84	14.67	14.54	14.76		
10	QPSK	50	0	14.59	14.87	14.70	14.59	14.87		
10	16QAM	1	0	14.59	14.85	14.66	14.51	14.81		
10	16QAM	1	25	14.53	14.84	14.60	14.53	14.79	15.9	0
10	16QAM	1	49	14.60	14.87	14.70	14.58	14.83		
10	16QAM	25	0	14.64	14.88	14.69	14.62	14.87		
10	16QAM	25	12	14.52	14.82	14.64	14.56	14.81		
10	16QAM	25	25	14.61	14.86	14.68	14.59	14.83	15.9	0
10	16QAM	50	0	14.61	14.81	14.70	14.57	14.84		
10	64QAM	1	0	14.59	14.88	14.67	14.57	14.80		
10	64QAM	1	25	14.61	14.85	14.66	14.52	14.82		
10	64QAM	1	49	14.61	14.87	14.68	14.57	14.86	15.9	0
10	64QAM	25	0	14.52	14.84	14.62	14.52	14.76		
10	64QAM	25	12	14.58	14.86	14.68	14.54	14.79		
10	64QAM	25	25	14.59	14.88	14.68	14.60	14.82		
10	64QAM	50	0	14.60	14.87	14.67	14.61	14.84	15.9	0
10	256QAM	1	0	14.36	14.33	14.29	14.28	14.30		
10	256QAM	1	25	14.23	14.32	14.25	14.27	14.30		
10	256QAM	1	49	14.34	14.38	14.32	14.30	14.31		
10	256QAM	25	0	14.31	14.34	14.23	14.27	14.30	15.9	0
10	256QAM	25	12	14.31	14.37	14.24	14.30	14.28		
10	256QAM	25	25	14.40	14.38	14.26	14.29	14.35		
10	256QAM	50	0	14.30	14.40	14.20	14.25	14.26		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	15.9	0
5	QPSK	1	0	14.53	14.87	14.63	14.48	14.76		
5	QPSK	1	12	14.55	14.82	14.63	14.50	14.81	15.9	0
5	QPSK	1	24	14.57	14.89	14.71	14.61	14.83		
5	QPSK	12	0	14.58	14.87	14.65	14.54	14.81		
5	QPSK	12	7	14.57	14.87	14.63	14.55	14.73	15.9	0
5	QPSK	12	13	14.58	14.85	14.67	14.54	14.73		
5	QPSK	25	0	14.60	14.91	14.72	14.59	14.87		
5	16QAM	1	0	14.58	14.87	14.67	14.54	14.83		
5	16QAM	1	12	14.56	14.81	14.61	14.49	14.79	15.9	0
5	16QAM	1	24	14.64	14.87	14.67	14.60	14.83		
5	16QAM	12	0	14.62	14.86	14.68	14.59	14.82		
5	16QAM	12	7	14.54	14.81	14.60	14.53	14.79		
5	16QAM	12	13	14.58	14.84	14.65	14.54	14.83	15.9	0
5	16QAM	25	0	14.64	14.85	14.68	14.60	14.81		
5	64QAM	1	0	14.61	14.87	14.66	14.56	14.77		
5	64QAM	1	12	14.63	14.87	14.67	14.52	14.80		
5	64QAM	1	24	14.59	14.89	14.68	14.59	14.84	15.9	0
5	64QAM	12	0	14.55	14.84	14.61	14.50	14.77		
5	64QAM	12	7	14.63	14.83	14.66	14.57	14.80		
5	64QAM	12	13	14.56	14.87	14.67	14.59	14.80		
5	64QAM	25	0	14.59	14.89	14.67	14.60	14.83	15.9	0
5	256QAM	1	0	14.36	14.33	14.28	14.30	14.30		
5	256QAM	1	12	14.27	14.33	14.24	14.26	14.34		
5	256QAM	1	24	14.35	14.38	14.30	14.32	14.32	15.9	0
5	256QAM	12	0	14.34	14.37	14.25	14.27	14.26		
5	256QAM	12	7	14.32	14.41	14.26	14.33	14.32		
5	256QAM	12	13	14.41	14.38	14.24	14.29	14.35		
5	256QAM	25	0	14.29	14.39	14.23	14.21	14.26		

Band 48_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	15.34	15.75	15.71	15.74	16.5	0	
20	QPSK	1	49	15.64	15.72	15.73	15.74			
20	QPSK	1	99	15.73	15.79	15.76	15.75			
20	QPSK	50	0	15.72	15.78	15.75	15.74			
20	QPSK	50	24	15.67	15.74	15.59	15.72	16.5	0	
20	QPSK	50	50	15.65	15.72	15.56	15.72			
20	QPSK	100	0	15.68	15.75	15.70	15.71			
20	16QAM	1	0	15.42	15.53	15.45	15.43			
20	16QAM	1	49	15.44	15.51	15.46	15.38	16.5	0	
20	16QAM	1	99	15.39	15.46	15.34	15.37			
20	16QAM	50	0	15.48	15.55	15.51	15.43			
20	16QAM	50	24	15.52	15.61	15.50	15.58			
20	16QAM	50	50	15.40	15.54	15.51	15.43	16.5	0	
20	16QAM	100	0	15.52	15.63	15.50	15.55			
20	64QAM	1	0	15.12	15.18	15.06	15.08			
20	64QAM	1	49	15.06	15.14	15.02	15.04	16.5	0	
20	64QAM	1	99	15.03	15.16	15.14	15.05			
20	64QAM	50	0	15.53	15.63	15.52	15.60			
20	64QAM	50	24	15.65	15.68	15.55	15.57			
20	64QAM	50	50	15.55	15.61	15.51	15.47	16.5	0	
20	64QAM	100	0	15.57	15.63	15.51	15.54			
20	256QAM	1	0	15.44	15.51	15.49	15.45			
20	256QAM	1	49	15.35	15.37	15.33	15.24	16.5	0	
20	256QAM	1	99	15.24	15.34	15.31	15.22			
20	256QAM	50	0	15.53	15.65	15.57	15.60			
20	256QAM	50	24	15.58	15.69	15.58	15.67			
20	256QAM	50	50	15.54	15.65	15.57	15.57	16.5	0	
20	256QAM	100	0	15.59	15.66	15.60	15.54			
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3608	3642	3692.5			
15	QPSK	1	0	15.67	15.72	15.64	15.74	16.5	0	
15	QPSK	1	37	15.63	15.59	15.67	15.63			
15	QPSK	1	74	15.71	15.72	15.75	15.77			
15	QPSK	36	0	15.73	15.74	15.69	15.64			
15	QPSK	36	20	15.64	15.65	15.66	15.63	16.5	0	
15	QPSK	36	39	15.62	15.62	15.62	15.58			
15	QPSK	75	0	15.62	15.74	15.67	15.65			
15	16QAM	1	0	15.51	15.52	15.42	15.41			
15	16QAM	1	37	15.37	15.47	15.39	15.41	16.5	0	
15	16QAM	1	74	15.32	15.39	15.39	15.36			
15	16QAM	36	0	15.42	15.49	15.48	15.52			
15	16QAM	36	20	15.60	15.60	15.48	15.51			
15	16QAM	36	39	15.46	15.52	15.50	15.53	16.5	0	
15	16QAM	75	0	15.50	15.53	15.61	15.54			
15	64QAM	1	0	15.16	15.11	15.08	15.08			
15	64QAM	1	37	15.10	15.04	15.03	15.10	16.5	0	
15	64QAM	1	74	15.13	15.05	15.02	15.12			
15	64QAM	36	0	15.62	15.50	15.52	15.58			
15	64QAM	36	20	15.63	15.65	15.65	15.60			
15	64QAM	36	39	15.60	15.54	15.55	15.55	16.5	0	
15	64QAM	75	0	15.54	15.57	15.60	15.55			
15	256QAM	1	0	15.50	15.37	15.41	15.39			
15	256QAM	1	37	15.29	15.29	15.26	15.22	16.5	0	
15	256QAM	1	74	15.21	15.26	15.24	15.14			
15	256QAM	36	0	15.49	15.58	15.45	15.48			
15	256QAM	36	20	15.61	15.52	15.59	15.57			
15	256QAM	36	39	15.53	15.56	15.62	15.61	16.5	0	
15	256QAM	75	0	15.58	15.50	15.62	15.56			
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	15.68	15.62	15.63	15.69	16.5	0	
10	QPSK	1	25	15.65	15.66	15.58	15.69			
10	QPSK	1	49	15.77	15.72	15.65	15.74			
10	QPSK	25	0	15.75	15.68	15.76	15.72			
10	QPSK	25	12	15.69	15.63	15.73	15.65	16.5	0	
10	QPSK	25	25	15.58	15.70	15.60	15.66			
10	QPSK	50	0	15.65	15.64	15.74	15.72			
10	16QAM	1	0	15.40	15.46	15.41	15.46			
10	16QAM	1	25	15.48	15.50	15.42	15.47	16.5	0	
10	16QAM	1	49	15.34	15.41	15.41	15.32			
10	16QAM	25	0	15.46	15.42	15.50	15.47			
10	16QAM	25	12	15.49	15.60	15.47	15.52			
10	16QAM	25	25	15.47	15.47	15.44	15.52	16.5	0	
10	16QAM	50	0	15.54	15.52	15.61	15.59			
10	64QAM	1	0	15.09	15.06	15.05	15.16			
10	64QAM	1	25	15.13	15.01	15.01	15.01			
10	64QAM	1	49	15.11	15.02	15.08	15.14	16.5	0	
10	64QAM	25	0	15.61	15.57	15.58	15.50			
10	64QAM	25	12	15.64	15.60	15.64	15.56			
10	64QAM	25	25	15.55	15.57	15.52	15.51			
10	64QAM	50	0	15.57	15.51	15.61	15.59	16.5	0	
10	256QAM	1	0	15.48	15.45	15.40	15.44			
10	256QAM	1	25	15.35	15.36	15.20	15.33			
10	256QAM	1	49	15.30	15.23	15.21	15.31			
10	256QAM	25	0	15.54	15.59	15.58	15.58	16.5	0	
10	256QAM	25	12	15.67	15.51	15.54	15.53			
10	256QAM	25	25	15.55	15.59	15.57	15.45			
10	256QAM	50	0	15.51	15.58	15.47	15.47			
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	15.62	15.72	15.61	15.64	16.5	0	
5	QPSK	1	12	15.69	15.69	15.66	15.68			
5	QPSK	1	24	15.75	15.78	15.77	15.68			
5	QPSK	12	0	15.68	15.77	15.76	15.73			
5	QPSK	12	7	15.63	15.71	15.64	15.71	16.5	0	
5	QPSK	12	13	15.67	15.59	15.58	15.69			
5	QPSK	25	0	15.66	15.63	15.67	15.66			
5	16QAM	1	0	15.50	15.47	15.43	15.44			
5	16QAM	1	12	15.50	15.44	15.47	15.41	16.5	0	
5	16QAM	1	24	15.40	15.41	15.32	15.44			
5	16QAM	12	0	15.46	15.42	15.47	15.47			
5	16QAM	12	7	15.49	15.59	15.55	15.56			
5	16QAM	12	13	15.42	15.43	15.52	15.53	16.5	0	
5	16QAM	25	0	15.53	15.62	15.53	15.59			
5	64QAM	1	0	15.12	15.15	15.07	15.14			
5	64QAM	1	12	15.12	15.11	15.00	15.00			
5	64QAM	1	24	15.06	15.10	15.09	15.15	16.5	0	
5	64QAM	12	0	15.55	15.55	15.60	15.56			
5	64QAM	12	7	15.56	15.57	15.56	15.63			
5	64QAM	12	13	15.58	15.54	15.55	15.49			
5	64QAM	25	0	15.51	15.61	15.49	15.61	16.5	0	
5	256QAM	1	0	15.37	15.45	15.41	15.48			
5	256QAM	1	12	15.26	15.32	15.25	15.18			
5	256QAM	1	24	15.26	15.32	15.15	15.27	16.5	0	
5	256QAM	12	0	15.56	15.64	15.50	15.50			
5	256QAM	12	7	15.54	15.57	15.64	15.59			
5	256QAM	12	13	15.55	15.52	15.60	15.56			
5	256QAM	25	0	15.48	15.46	15.57	15.64	16.5	0	
5	256QAM	25	0	15.48	15.46	15.57	15.64			

GSM850_Ant 1		Burst Average Power (dBm)			Tune-up		Frame-Average Power (dBm)			Tune-up	
TX Channel		128	189	251	Limit		128	189	251	Limit	
Frequency (MHz)		524.2	536.4	548.8	(dBm)		524.2	536.4	548.8	(dBm)	
GSM 1 Tx slot		32.89	32.76	32.59	33.50		32.89	32.76	32.59	34.50	
GPRS 1 Tx slot		32.93	32.71	32.62	33.50		32.93	32.71	32.62	34.50	
GPRS 2 Tx slots		29.78	29.78	29.43	30.50		23.78	23.78	23.43	24.50	
GPRS 3 Tx slots		27.99	27.59	27.70	29.00		23.73	23.33	23.44	24.74	
GPRS 4 Tx slots		26.49	26.22	26.42	28.00		23.49	23.22	23.42	25.00	
EDGE 1 Tx slot		26.38	26.57	26.35	27.50		17.38	17.57	17.35	18.50	
EDGE 2 Tx slots		25.68	25.55	25.61	26.50		19.68	19.55	19.61	20.50	
EDGE 3 Tx slots		23.48	23.31	23.76	25.00		19.22	19.05	19.50	20.74	
EDGE 4 Tx slots		21.70	21.65	22.03	23.00		18.70	18.65	19.03	20.00	

GSM1900_Ant 1		Burst Average Power (dBm)			Tune-up		Frame-Average Power (dBm)			Tune-up	
TX Channel		512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)		1850.2	1880	1909.8	(dBm)		1850.2	1880	1909.8	(dBm)	
GSM 1 Tx slot		25.32	25.03	24.99	26.00		16.32	16.03	15.99	17.00	
GPRS 1 Tx slot		25.23	25.01	25.31	26.00		16.23	16.01	16.31	17.00	
GPRS 2 Tx slots		21.96	21.84	22.24	23.00		15.96	15.84	16.24	17.00	
GPRS 3 Tx slots		20.11	20.23	20.64	21.50		15.85	15.97	16.38	17.24	
GPRS 4 Tx slots		18.96	18.97	19.37	20.00		15.96	15.97	16.37	17.00	
EDGE 1 Tx slot		25.27	24.86	25.15	26.00		16.27	15.86	16.15	17.00	
EDGE 2 Tx slots		22.24	21.81	22.13	23.00		16.24	15.81	16.13	17.00	
EDGE 3 Tx slots		20.02	19.95	20.42	21.00		15.76	15.69	16.16	16.74	
EDGE 4 Tx slots		18.83	18.73	18.83	20.00		15.83	15.73	15.83	17.00	

Band		WCDMA II_Ant 1			Tune-up		WCDMA IV_Ant 1			Tune-up		WCDMA V_Ant 1			Tune-up	
TX Channel		9262	9400	9538	Limit		1312	1413	1513	Limit		4132	4182	4233	Limit	
Rx Channel		9662	9800	9938	(dBm)		1537	1638	1738	(dBm)		4357	4407	4458	(dBm)	
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	15.65	15.52	15.58	16.50	16.45	16.33	16.54	17.50	22.34	22.31	22.26	23.00		
3GPP Rel 99		RMC 12.2Kbps	15.67	15.54	15.60	16.50	16.47	16.34	16.55	17.50	22.36	22.35	22.28	23.00		
3GPP Rel 6		HSDPA Subtest-1	14.89	14.67	14.71	15.50	15.42	15.26	15.54	16.50	21.18	21.24	21.24	22.00		
3GPP Rel 6		HSDPA Subtest-2	14.71	14.65	14.71	15.50	15.43	15.24	15.52	16.50	21.18	21.13	21.18	22.00		
3GPP Rel 6		HSDPA Subtest-3	14.21	14.13	14.21	15.00	14.98	14.79	15.06	16.00	20.57	20.63	20.57	21.50		
3GPP Rel 6		HSDPA Subtest-4	14.18	14.15	14.20	15.00	14.97	14.78	15.08	16.00	20.57	20.70	20.65	21.50		
3GPP Rel 8		DC-HSDPA Subtest-1	14.67	14.54	14.61	15.50	15.68	15.61	15.60	16.50	21.19	21.13	21.24	22.00		
3GPP Rel 8		DC-HSDPA Subtest-2	14.57	14.57	14.57	15.50	15.58	15.57	15.56	16.50	21.10	21.09	21.10	22.00		
3GPP Rel 8		DC-HSDPA Subtest-3	14.19	14.19	14.26	15.00	15.18	15.11	15.05	16.00	20.84	20.79	20.87	21.50		
3GPP Rel 8		DC-HSDPA Subtest-4	14.29	14.33	14.24	15.00	15.17	15.06	15.03	16.00	20.84	20.76	20.84	21.50		
3GPP Rel 6		HSUPA Subtest-1	14.84	14.80	14.79	15.50	15.70	15.74	15.69	16.50	21.14	21.19	21.11	22.00		
3GPP Rel 6		HSUPA Subtest-2	12.74	12.67	12.69	13.50	13.67	13.70	13.72	14.50	19.10	19.09	19.09	20.00		
3GPP Rel 6		HSUPA Subtest-3	13.79	13.68	13.71	14.50	14.74	14.73	14.73	15.50	20.22	20.11	20.16	21.00		
3GPP Rel 6		HSUPA Subtest-4	12.77	12.75	12.64	13.50	13.61	13.73	13.71	14.50	19.07	19.08	19.12	20.00		
3GPP Rel 6		HSUPA Subtest-5	14.82	14.74	14.71	15.50	15.66	15.76	15.76	16.50	21.22	21.23	21.20	22.00		

Band 2_Ant 1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 16750	Power High Ch./Freq. 16800	Power High Ch./Freq. 16850	Turnup time (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	15.63	15.46	15.36	16.5	0						
20	QPSK	1	49	15.45	15.29	15.28								
20	QPSK	1	99	15.44	15.13	15.13								
20	QPSK	50	0	15.57	15.44	15.35								
20	QPSK	50	24	15.51	15.42	15.38	16.5	0						
20	QPSK	50	50	15.47	15.39	15.29								
20	QPSK	100	0	15.54	15.44	15.34								
20	16QAM	50	0	15.09	15.17	15.04								
20	16QAM	1	49	15.51	15.18	15.20	16.5	0						
20	16QAM	1	99	15.50	15.11	15.13								
20	16QAM	50	0	15.27	15.11	15.07								
20	16QAM	50	24	15.18	15.14	15.09								
20	16QAM	50	50	15.10	15.05	15.15	16.5	0						
20	16QAM	100	0	15.07	15.05	15.13								
20	64QAM	1	0	15.29	15.20	15.20								
20	64QAM	1	49	15.42	15.28	15.30								
20	64QAM	1	99	15.11	15.05	15.17	16.5	0						
20	64QAM	50	0	15.24	15.11	15.12								
20	64QAM	50	24	15.17	15.14	15.07								
20	64QAM	100	0	15.07	15.05	15.13								
20	256QAM	1	49	15.32	15.21	15.21	16.5	0						
20	256QAM	1	99	15.34	15.21	15.17								
20	256QAM	1	50	15.30	15.30	15.26								
20	256QAM	50	0	15.40	15.29	15.25								
20	256QAM	50	50	15.40	15.29	15.25	16.5	0						
20	256QAM	100	0	15.35	15.26	15.22								
Channel														
Frequency (MHz)														
16	QPSK	1	0	15.58	15.39	15.28	16.5	0						
16	QPSK	1	37	15.39	15.22	15.19								
16	QPSK	1	74	15.39	15.12	15.10								
16	QPSK	36	0	15.52	15.40	15.35								
16	QPSK	36	25	15.45	15.34	15.29	16.5	0						
16	QPSK	36	39	15.38	15.32	15.24								
16	QPSK	75	0	15.44	15.42	15.31								
16	16QAM	1	0	15.03	15.07	15.06								
16	16QAM	1	37	15.45	15.10	15.11	16.5	0						
16	16QAM	1	74	15.45	15.05	15.06								
16	16QAM	36	0	15.22	15.03	15.00								
16	16QAM	36	20	15.08	15.09	15.09								
16	16QAM	36	25	15.03	15.06	15.06	16.5	0						
16	16QAM	75	0	15.01	15.00	15.07								
16	64QAM	1	0	15.23	15.15	15.11								
16	64QAM	1	37	15.35	15.18	15.10								
16	64QAM	1	74	15.04	15.02	15.12	16.5	0						
16	64QAM	36	0	15.18	15.02	15.06								
16	64QAM	36	25	15.02	15.03	15.08								
16	64QAM	36	39	15.00	15.03	15.05								
16	256QAM	1	49	15.32	15.21	15.21	16.5	0						
16	256QAM	1	99	15.34	15.21	15.17								
16	256QAM	1	50	15.30	15.30	15.26								
16	256QAM	50	0	15.40	15.29	15.25								
16	256QAM	50	50	15.40	15.29	15.25	16.5	0						
16	256QAM	100	0	15.35	15.26	15.22								
Channel														
Frequency (MHz)														
16	QPSK	1	0	15.55	15.36	15.25	16.5	0						
16	QPSK	1	25	15.36	15.22	15.19								
16	QPSK	1	49	15.39	15.08	15.03								
16	QPSK	25	0	15.52	15.41	15.31								
16	QPSK	25	12	15.41	15.32	15.31	16.5	0						
16	QPSK	25	25	15.41	15.30	15.23								
16	QPSK	50	0	15.47	15.44	15.32								
16	16QAM	1	0	15.01	15.05	15.07								
16	16QAM	1	25	15.48	15.12	15.12	16.5	0						
16	16QAM	1	49	15.41	15.03	15.08								
16	16QAM	25	0	15.17	15.05	15.02								
16	16QAM	25	12	15.09	15.06	15.06								
16	16QAM	36	0	15.04	15.06	15.06	16.5	0						
16	16QAM	50	0	15.02	15.02	15.06								
16	64QAM	1	0	15.19	15.13	15.13								
16	64QAM	1	24	15.32	15.23	15.23								
16	64QAM	1	49	15.06	15.01	15.11	16.5	0						
16	64QAM	25	0	15.15	15.04	15.06								
16	64QAM	25	12	15.06	15.03	15.07								
16	64QAM	25	25	15.03	15.03	15.02								
16	64QAM	50	0	15.07	15.03	15.04	16.5	0						
16	256QAM	1	0	15.32	15.15	15.15								
16	256QAM	1	25	15.23	15.15	15.16								
16	256QAM	1	49	15.24	15.16	15.15								
16	256QAM	25	0	15.31	15.20	15.17	16.5	0						
16	256QAM	25	12	15.29	15.20	15.17								
16	256QAM	25	25	15.30	15.21	15.21								
16	256QAM	50	0	15.27	15.15	15.17								
Channel														
Frequency (MHz)														
5	QPSK	1	0	15.58	15.36	15.25	16.5	0						
5	QPSK	1	12	15.40	15.21	15.16								
5	QPSK	1	24	15.34	15.15	15.11								
5	QPSK	12	0	15.52	15.43	15.38								
5	QPSK	12	7	15.46	15.32	15.29	16.5	0						
5	QPSK	12	13	15.42	15.30	15.22								
5	QPSK	25	0	15.47	15.44	15.32								
5	16QAM	1	0	15.04	15.09	15.09								
5	16QAM	1	12	15.46	15.12	15.11	16.5	0						
5	16QAM	1	24	15.43	15.05	15.08								
5	16QAM	12	0	15.20	15.01	15.01								
5	16QAM	12	7	15.11	15.00	15.00								
5	16QAM	12	13	15.04	15.04	15.04	16.5	0						
5	16QAM	25	0	15.02	15.00	15.07								
5	64QAM	1	0	15.22	15.11	15.15								
5	64QAM	1	12	15.37	15.22	15.20								
5	64QAM	1	24	15.03	15.04	15.10	16.5	0						
5	64QAM	12	0	15.19	15.05	15.03								
5	64QAM	12	7	15.12	15.08	15.07								
5	64QAM	12	13	15.02	15.00	15.01								
5	64QAM	25	0	15.09	15.07	15.09	16.5	0						
5	256QAM	1	0	15.32	15.22	15.18								
5	256QAM	1	12	15.25	15.13	15.12								
5	256QAM	1	24	15.28	15.15	15.11								
5	256QAM	12	0	15.30	15.21	15.16	16.5	0						
5	256QAM	12	7	15.29	15.20	15.17								
5	256QAM	12	13	15.31	15.22	15.20								
5	256QAM	25	0	15.30	15.20	15.17								



Band 7_Ant 7														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	MPR (dB)						
Channel														
2510 2510 2580														
20	QPSK	1	0	21.54	21.55	21.51	22.5	0						
20	QPSK	1	49	21.35	21.36	21.28								
20	QPSK	1	99	21.41	21.32	21.28								
20	QPSK	50	0	21.51	21.55	21.49								
20	QPSK	50	24	21.40	21.42	21.40	22.5	0						
20	QPSK	50	50	21.38	21.43	21.37								
20	QPSK	100	0	21.39	21.52	21.34								
20	16QAM	1	0	21.30	21.40	21.35								
20	16QAM	1	49	21.39	21.54	21.33	22.5	0						
20	16QAM	1	99	20.99	21.37	21.54								
20	16QAM	50	0	21.18	21.29	21.22								
20	16QAM	50	24	21.14	21.12	21.14								
20	16QAM	50	50	21.10	21.07	21.10	22	0.5						
20	16QAM	100	0	21.13	21.05	21.07								
20	64QAM	1	0	21.42	21.36	20.79								
20	64QAM	1	49	21.42	21.25	21.20								
20	64QAM	1	99	21.12	21.34	21.31	22	0.5						
20	64QAM	50	0	20.48	20.48	20.48								
20	64QAM	50	24	20.39	20.42	20.49								
20	64QAM	50	50	20.46	20.48	20.46								
20	64QAM	100	0	20.37	20.41	20.43	21	1.5						
20	64QAM	100	24	20.36	20.42	20.43								
20	256QAM	1	49	18.06	18.24	18.12								
20	256QAM	1	99	18.09	18.24	18.17								
20	256QAM	50	0	18.01	18.15	18.03	19	3.5						
20	256QAM	50	24	17.98	18.13	18.09								
20	256QAM	50	50	17.98	18.11	18.05								
20	256QAM	100	0	17.97	18.07	18.03								
Channel														
25805 25150 25175														
15	QPSK	1	0	21.14	21.49	21.34	22.5	0						
15	QPSK	1	37	21.28	21.30	21.26								
15	QPSK	1	74	21.34	21.28	21.21								
15	QPSK	36	0	21.34	21.38	21.36								
15	QPSK	36	20	21.32	21.35	21.33	22.5	0						
15	QPSK	36	39	21.36	21.30	21.29								
15	QPSK	75	0	21.33	21.34	21.25								
15	16QAM	1	0	21.22	21.30	21.00								
15	16QAM	1	37	21.30	21.44	21.45	22.5	0						
15	16QAM	1	74	20.96	21.29	21.07								
15	16QAM	36	0	21.11	21.22	20.96								
15	16QAM	36	20	21.08	21.04	21.05								
15	16QAM	36	39	21.05	20.98	21.02	22	0.5						
15	16QAM	75	0	21.03	20.98	21.02								
15	64QAM	1	0	21.33	21.31	20.59								
15	64QAM	1	37	21.05	21.09	21.06								
15	64QAM	1	74	21.05	21.22	21.17	21	1.5						
15	64QAM	36	0	20.43	20.48	20.30								
15	64QAM	36	20	20.38	20.42	20.44								
15	64QAM	36	39	20.38	20.35	20.40								
15	64QAM	75	0	20.31	20.36	20.37	19	3.5						
15	256QAM	1	49	17.96	18.01	17.96								
15	256QAM	1	99	17.99	18.10	18.09								
15	256QAM	1	74	18.06	18.10	18.03								
15	256QAM	36	0	17.96	18.04	17.97	19	3.5						
15	256QAM	36	20	17.99	18.04	17.97								
15	256QAM	36	39	17.90	18.06	18.05								
15	256QAM	75	0	17.91	18.05	17.97								
Channel														
25805 25150 25175														
15	QPSK	1	0	21.14	21.49	21.34	22.5	0						
15	QPSK	1	37	21.28	21.30	21.26								
15	QPSK	1	74	21.34	21.28	21.21								
15	QPSK	36	0	21.34	21.38	21.36								
15	QPSK	36	20	21.32	21.35	21.33	22.5	0						
15	QPSK	36	39	21.36	21.30	21.29								
15	QPSK	75	0	21.33	21.34	21.25								
15	16QAM	1	0	21.22	21.30	21.00								
15	16QAM	1	37	21.30	21.44	21.45	22.5	0						
15	16QAM	1	74	20.96	21.29	21.07								
15	16QAM	36	0	21.11	21.22	20.96								
15	16QAM	36	20	21.08	21.04	21.05								
15	16QAM	36	39	21.05	20.98	21.02	22	0.5						
15	16QAM	75	0	21.03	20.98	21.02								
15	64QAM	1	0	21.33	21.31	20.59								
15	64QAM	1	37	21.05	21.09	21.06								
15	64QAM	1	74	21.05	21.22	21.17	21	1.5						
15	64QAM	36	0	20.43	20.48	20.30								
15	64QAM	36	20	20.38	20.42	20.44								
15	64QAM	36	39	20.38	20.35	20.40								
15	64QAM	75	0	20.31	20.36	20.37	19	3.5						
15	256QAM	1	49	17.96	18.01	17.96								
15	256QAM	1	99	17.99	18.10	18.09								
15	256QAM	1	74	18.06	18.10	18.03								
15	256QAM	36	0	17.96	18.04	17.97	19	3.5						
15	256QAM	36	20	17.99	18.04	17.97								
15	256QAM	36	39	17.90	18.06	18.05								
15	256QAM	75	0	17.91	18.05	17.97								
Channel														
25805 25150 25175														
15	QPSK	1	0	21.14	21.49	21.34	22.5	0						
15	QPSK	1	37	21.28	21.30	21.26								
15	QPSK	1	74	21.34	21.28	21.21								
15	QPSK	36	0	21.34	21.38	21.36								
15	QPSK	36	20	21.32	21.35	21.33	22.5	0						
15	QPSK	36	39	21.36	21.30	21.29								
15	QPSK	75	0	21.33	21.34	21.25								
15	16QAM	1	0	21.22	21.30	21.00								
15	16QAM	1	37	21.30	21.44	21.45	22.5	0						
15	16QAM	1	74	20.96	21.29	21.07								
15	16QAM	36	0	21.11	21.22	20.96								
15	16QAM	36	20	21.08	21.04	21.05								
15	16QAM	36	39	21.05	20.98	21.02	22	0.5						
15	16QAM	75	0	21.03	20.98	21.02								
15	64QAM	1	0	21.33	21.31	20.59								
15	64QAM	1	37	21.05	21.09	21.06								
15	64QAM	1	74	21.05	21.22	21.17	21	1.5						
15	64QAM	36	0	20.43	20.48	20.30								
15	64QAM	36	20	20.38	20.42	20.44								
15	64QAM	36	39	20.38	20.35	20.40								
15	64QAM	75	0	20.31	20.36	20.37	19	3.5						
15	256QAM	1	49	17.96	18.01	17.96								
15	256QAM	1	99	17.99	18.10	18.09								
15	256QAM	1	74	18.06	18.10	18.03								
15	256QAM	36	0	17.96	18.04	17.97	19	3.5						
15	256QAM	36	20	17.99	18.04	17.97								
15	256QAM	36	39	17.90	18.06	18.05								
15	256QAM	75	0	17.91	18.05	17.97								
Channel														
25805 25150 25175														
15	QPSK	1	0	21.15	21.50	21.35	22.5	0						
15	QPSK	1	12	21.29	21.28	21.29								
15	QPSK	1	24	21.33	21.27	21.23								
15	QPSK	12	0	21.33	21.38	21.33								
15	QPSK	12	7	21.34	21.33	21.30	22.5	0						
15	QPSK	12	19	21.30	21.36	21.27								
15	QPSK	12	31	21.31	21.35	21.34								
15	QPSK	1	0	21.25	21.33	20.98								
15	QPSK	1	12	21.34	21.45	21.45	22.5	0						
15	QPSK	1	24	21.35	21.32	21.48								
15	QPSK	12	0	21.11	21.20	20.93								
15	QPSK	12	19	21.10	21.21	21.08								
15	QPSK	12	31	21.03	20.98	21.01	22	0.5						
15	QPSK	25	0	21.08	20.98	21.02								
15	QPSK	25	12	21.03	20.98	21.00								
15	QPSK	1	12	21.32	21.15	21.15								
15	QPSK	1	24	21.05	21.25	21.14	21	1.5						
15	QPSK	12	0	21.45	21.09	20.94								
15	QPSK	12	12	20.93	20.94	20.94								
15	QPSK	12	19	20.99	20.98	20.97								
15	QPSK	25	0	20.99	20.97	20.97	19	3.5						
15	QPSK	25	12	20.91	20.90	20.97								
15	QPSK	1	12	20.91	20.90	20.97								
15	QPSK	12	12	19.94	19.98	19.95								
15	QPSK	12	7	17.90	18.05	17.98								
15	QPSK	12	19	17.92	18.08	17.98								
15	QPSK	25	0	17.88	18.08	17.98	19	3.5						



Band 30_Ant 7											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	APRx (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	20.63			22	0			
10	QPSK	1	25	20.65							
10	QPSK	1	49	20.67							
10	QPSK	25	0	20.63			22	0			
10	QPSK	25	12	20.64							
10	QPSK	25	25	20.68							
10	QPSK	50	0	20.68			22	0			
10	16QAM	1	0	20.68							
10	16QAM	1	25	20.74							
10	16QAM	1	49	20.78			22	0			
10	16QAM	25	0	20.79							
10	16QAM	25	12	20.81							
10	16QAM	25	25	20.78			21	1			
10	16QAM	50	0	20.86							
10	84QAM	1	0	20.71							
10	84QAM	1	25	20.67			22	0			
10	84QAM	1	49	20.91							
10	84QAM	25	12	20.81							
10	84QAM	25	25	20.83			21	1			
10	84QAM	50	0	20.90							
10	256QAM	1	25	18.50					19	3	
10	256QAM	1	49	18.46							
10	256QAM	25	0	18.47							
10	256QAM	25	12	18.40			19	3			
10	256QAM	25	25	18.49							
10	256QAM	50	0	18.48							
Channel											
Frequency (MHz)											
5	QPSK	1	0	20.62	20.62	20.61	22	0			
5	QPSK	1	12	20.86	20.86	20.88					
5	QPSK	1	24	20.67	20.65	20.63					
5	QPSK	12	0	20.79	20.83	20.82	22	0			
5	QPSK	12	7	20.63	20.82	20.86					
5	QPSK	12	13	20.54	20.67	20.67					
5	QPSK	25	0	20.69	20.67	20.66	22	0			
5	16QAM	1	0	20.56	20.59	20.62					
5	16QAM	1	12	20.64	20.60	20.68					
5	16QAM	1	24	20.70	20.66	20.64	22	0			
5	16QAM	12	0	20.76	20.66	20.78					
5	16QAM	12	7	20.74	20.72	20.72					
5	16QAM	12	13	20.76	20.72	20.68	21	1			
5	16QAM	25	0	20.85	20.82	20.72					
5	84QAM	1	0	20.67	20.59	20.59					
5	84QAM	1	12	20.77	20.77	20.83	22	0			
5	84QAM	1	24	20.80	20.83	20.59					
5	84QAM	12	0	20.68	20.66	20.63					
5	84QAM	12	7	20.66	20.78	20.78	21	1			
5	84QAM	12	13	20.80	20.81	20.72					
5	84QAM	25	0	20.84	20.89	20.69					
5	256QAM	1	0	18.43	18.47	18.41	19	3			
5	256QAM	1	12	18.42	18.38	18.44					
5	256QAM	1	24	18.35	18.36	18.40					
5	256QAM	12	0	18.46	18.33	18.36	19	3			
5	256QAM	12	7	18.25	18.24	18.27					
5	256QAM	12	13	18.39	18.44	18.39					
5	256QAM	25	0	18.33	18.35	18.45					

Band 66_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turnup Int. (dB)	APRx (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	16.65	16.56	16.54	17.5	0			
20	QPSK	1	49	16.40	16.31	16.25					
20	QPSK	1	99	16.29	16.35	16.28					
20	QPSK	50	0	16.60	16.54	16.52	17.5	0			
20	QPSK	50	24	16.61	16.35	16.41					
20	QPSK	50	50	16.46	16.37	16.40					
20	16QAM	1	0	16.29	16.27	16.27	17.5	0			
20	16QAM	1	49	16.23	16.29	16.61					
20	16QAM	1	99	16.63	16.27	16.47					
20	16QAM	50	0	16.20	16.03	16.97	17.5	0			
20	16QAM	50	24	16.16	16.02	16.00					
20	16QAM	50	50	16.96	16.67	16.71					
20	84QAM	1	0	16.13	16.17	16.96	17.5	0			
20	84QAM	1	49	16.31	16.99	16.24					
20	84QAM	1	99	16.11	16.82	16.26					
20	84QAM	50	0	16.17	16.12	16.61	17.5	0			
20	84QAM	50	24	16.19	16.00	16.66					
20	84QAM	50	50	16.11	16.90	16.15					
20	84QAM	100	0	16.13	16.17	16.96	17.5	0			
20	256QAM	1	0	16.20	16.25	16.20					
20	256QAM	1	49	16.34	16.29	16.20					
20	256QAM	1	99	16.32	16.25	16.23	17.5	0			
20	256QAM	25	0	16.23	16.19	16.12					
20	256QAM	25	12	16.22	16.20	16.15					
20	256QAM	25	25	16.20	16.19	16.11	17.5	0			
20	256QAM	50	0	16.20	16.20	16.11					
Channel											
Frequency (MHz)											
15	QPSK	1	0	16.63	16.53	16.54	17.5	0			
15	QPSK	1	37	16.39	16.32	16.31					
15	QPSK	1	74	16.16	16.27	16.20					
15	QPSK	36	0	16.54	16.58	16.53	17.5	0			
15	QPSK	36	18	16.64	16.49	16.61					
15	QPSK	36	36	16.41	16.42	16.42					
15	QPSK	75	0	16.54	16.41	16.36	17.5	0			
15	16QAM	1	0	16.15	16.19	16.26					
15	16QAM	1	37	16.20	16.15	16.18					
15	16QAM	1	74	16.02	16.09	16.06	17.5	0			
15	16QAM	36	0	16.10	16.08	16.14					
15	16QAM	36	20	16.10	16.09	16.07					
15	16QAM	36	36	16.07	16.07	16.06	17.5	0			
15	16QAM	75	0	16.08	16.12	16.08					
15	84QAM	1	0	16.20	16.22	16.14	17.5	0			
15	84QAM	1	37	16.29	16.37	16.27					
15	84QAM	1	74	16.05	16.02	16.04					
15	84QAM	36	0	16.15	16.13	16.06	17.5	0			
15	84QAM	36	20	16.07	16.14	16.07					
15	84QAM	36	36	15.96	15.99	16.01					
15	84QAM	75	0	16.01	16.04	16.06	17.5	0			
15	256QAM	1	0	16.04	16.05	16.06					
15	256QAM	1	37	16.29	16.26	16.27					
15	256QAM	1	74	16.31	16.14	16.13	17.5	0			
15	256QAM	25	0	16.15	16.06	16.12					
15	256QAM	25	12	16.09	16.10	16.20					
15	256QAM	25	20	16.09	16.10	16.20	17.5	0			
15	256QAM	36	0	16.14	16.16	16.12					
15	256QAM	36	0	16.17	16.14	16.17					
Channel											
Frequency (MHz)											
10	QPSK	1	0	16.44	16.37	16.40	17.5	0			
10	QPSK	1	25	16.38	16.36	16.33					
10	QPSK	1	49	16.16	16.15	16.27					
10	QPSK	25	0	16.59	16.54	16.40	17.5	0			
10	QPSK	25	12	16.56	16.53	16.40					
10	QPSK	25	25	16.35	16.45	16.37					
10	QPSK	50	0	16.54	16.45	16.46	17.5	0			
10	16QAM	1	0	16.18	16.24	16.20					
10	16QAM	1	25	16.13	16.17	16.20	17.5	0			
10	16QAM	1	49	16.00	16.00	16.61					
10	16QAM	25	0	16.09	16.10	16.18	17.5	0			
10	16QAM	25	12	16.11	16.12	16.13					
10	16QAM	25	25	15.98	16.07	16.06					
10	16QAM	50	0	16.07	16.15	16.06	17.5	0			
10	84QAM	1	0	16.22	16.12	16.18	17.5	0			
10	84QAM	1	25	16.12	16.08	16.15					
10	84QAM	1	49	16.08	16.06	16.08					
10	84QAM	25	0	16.10	16.09	16.10	17.5	0			
10	84QAM	25	12	16.12	16.08	16.15					
10	84QAM	25	25	16.08	16.08	16.09					
10	84QAM	50	0	16.07	16.15	16.06	17.5	0			
10	84QAM	50	12	16.09	16.07	16.15					
10	84QAM	50	25	16.06	16.07	16.16					
10	256QAM	1	0	16.22	16.28	16.28	17.5	0			
10	256QAM	1	25	16.29	16.14	16.28					
10	256QAM	1	49	16.16	16.15	16.27					
10	256QAM	25	0	16.22	16.19	16.12	17.5	0			
10	256QAM	25	12	16.21	16.11	16.03					
10	256QAM	25	25	16.07	16.05	16.20					
10	256QAM	50	0	16.08	16.16	16.07	17.5	0			
10	256QAM	50	12	16.07	16.07	16.14					
10	256QAM	50	25	16.06	16.07	16.14					
Channel											
Frequency (MHz)											
5	QPSK	1	0	16.80	16.53	16.56	17.5	0			
5	QPSK	1	12	16.30	16.38	16.30					
5	QPSK	1	24	16.12	16.27	16.20					
5	QPSK	12	0	16.56	16.58	16.57	17.5	0			
5	QPSK	12	7	16.55	16.48	16.60					
5	QPSK	12	14	16.29	16.19	16.47					
5	QPSK	25	0	16.47	16.48	16.57	17.5	0			
5	QPSK	25	7	16.16	16.23	16.22					
5	QPSK	25	14	16.29	16.19	16.47					
5	16QAM	1	0	16.14	16.19	16.20	17.5	0			
5	16QAM	1	24	16.54	16.56	16.62					
5	16QAM	12	0	16.12	16.19	16.20					
5	16QAM	12	7	16.09	16.12	16.15	17.5	0			
5	16QAM	12	14	16.09	16.07	16.15					
5	16QAM	25	0	16.07	16.08	16.16					
5	16QAM	25	7	16.22	16.17	16.17	17.5	0			
5	16QAM	25	14	16.11	16.17	16.17					
5	16QAM	12	12	16.01	16.03	16.05					
5	16QAM	12	7	16.06	16.07	16.14	17.5	0			
5	16QAM	12	14	16.06	16.07	16.14					
5	16QAM	25	0	16.00	16.02	16.08					
5	256QAM	1	0	16.17	16.27	16.23	17.5	0			
5	256QAM	1	12	16.27	16.27	16.27					
5	256QAM	1	24	16.25	16.29	16.28					
5	256QAM	12	0	16.09	16.12	16.06	17.5	0			
5	256QAM	12	7	16.07	16.09	16.15					
5	256QAM	12	14	16.01	16.00	16.05					
5	256QAM	25	0	16.06	16.13	16.04	17.5	0			
5	256QAM	25	7	16.04	16.03	16.05					
5	256QAM	25	14	16.04	16.03	16.05					
Channel											
Frequency (MHz)											
3	QPSK	1	0	16.53	16.64	16.64	17.5	0			
3	QPSK	1	12	16.30	16.38	16.30					
3	QPSK	1	24	16.12	16.27	16.20					
3	QPSK	1	14	16.23	16.17	16.26	17.5	0			
3	QPSK	8	0	16.48	16.48	16.57					
3	QPSK	8	7	16.57	16.47	16.57					
3	QPSK	8	7	16.45	16.33	16.38	17.5	0			
3	QPSK	15	0	16.56	16.54	16.54					
3	QPSK	15	7	16.52	16.52	16.50					
3	16QAM	1	0	16.19	16.18	16.11	17.5	0			
3	16QAM	1	14	16.52	16.49	16.50					
3	16QAM	1	28	16.14	16.00	16.10					
3	16QAM	8	0	16.04	16.09	16.10	17.5	0			
3	16QAM	8	7	15.89	16.09	16.14					
3	16QAM	8	14	16.13	16.11	16.18					
3	16QAM	1	0	16.11	16.11	16.18	17.5	0			
3	16QAM	1	14	16.29	16.23	16.25					
3	16QAM	1	28	16.00	16.00	16.00					
3	16QAM	8	0	16.11	16.11	16.18	17.5	0			
3	16QAM	8	7	16.16	16.07	16.13					
3	16QAM	8	14	16.00	16.00	16.18					
3	256QAM	1	0	16.16	16.16	16.16	17.5	0			
3	256QAM	1	14	16.17	16.23	16.23					
3	256QAM	1	28	16.16	16.16	16.16					
3	256QAM	1	14	16.27	16.29	16.15	17.5	0			
3	256QAM	8	0	16.06	16.09	16.10					
3	256QAM	8	7	16.04	16.11	16.10					
3	256QAM	8	14	16.09	16.21	16.20	17.5	0			
3	256QAM	8	7	16.04	16.10	16.04					
3	256QAM	8	14	16.08	16.13	16.13					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	16.60	16.54	16.54	17.5	0			
1.4	QPSK	1	37	16.36	16.31	16.31					
1.4	QPSK	1	74	16.23	16.28	16.21					
1.4	QPSK	1	5	16.62	16.38	16.39	17.5	0			
1.4	QPSK	1	41	16.53	16.33	16.34					
1.4	QPSK	1	77	16.50	16.51	16.48					
1.4	QPSK	3	0	16.52	16.53	16.52	17.5	0			
1.4	QPSK	3	37	16.47	16.46	16.46					
1.4	QPSK	3	74	16.46	16.46	16.46					
1.4	16QAM	1	0	16.27	16.28	16.15	17.5	0			
1.4	16QAM	1	37	16.21	16.17	16.20					
1.4	16QAM	1	74	16.50	16.50	16.50					
1.4	16QAM	3	0	16.52	16.56	16.56	17.5	0			
1.4	16QAM	3	37	16.46	16.44	16.48					
1.4	16QAM	3	74	16.44	16.44	16.44					
1.4	16QAM	6	0	16.07	16.14	16.04	17.5	0			
1.4	16QAM	6									

Band 38_Ant 7

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	19.51	19.63	19.68	20.9	0		
20	QPSK	1	49	19.52	19.65	19.67				
20	QPSK	1	99	19.79	19.60	19.64				
20	QPSK	50	0	19.76	19.62	19.67				
20	QPSK	50	24	19.66	19.55	19.58	20.9	0		
20	QPSK	50	50	19.54	19.46	19.49				
20	QPSK	100	0	19.71	19.53	19.47				
20	16QAM	1	0	19.79	19.80	19.77				
20	16QAM	1	49	19.55	19.67	19.59	20.9	0		
20	16QAM	1	99	19.75	19.71	19.72				
20	16QAM	50	0	19.74	19.65	19.71				
20	16QAM	50	24	19.52	19.56	19.54				
20	16QAM	50	50	19.45	19.48	19.44	20.9	0		
20	16QAM	100	0	19.61	19.57	19.69				
20	64QAM	1	0	19.73	19.76	19.80		20.9	0	
20	64QAM	1	49	19.61	19.55	19.61				
20	64QAM	1	99	19.70	19.67	19.73				
20	64QAM	50	0	19.74	19.65	19.62				
20	64QAM	50	24	19.53	19.56	19.63	20.9	0		
20	64QAM	50	50	19.51	19.50	19.45				
20	64QAM	100	0	19.66	19.61	19.68				
20	256QAM	1	0	17.64	17.67	17.63		19	1.9	
20	256QAM	1	49	17.54	17.53	17.49				
20	256QAM	1	99	17.68	17.64	17.67				
20	256QAM	50	0	17.52	17.59	17.56				
20	256QAM	50	24	17.47	17.47	17.42				
20	256QAM	50	50	17.35	17.33	17.31				
20	256QAM	100	0	17.49	17.58	17.54				
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.60	19.71	19.78	20.9	0		
15	QPSK	1	49	19.61	19.62	19.60				
15	QPSK	1	74	19.71	19.78	19.70				
15	QPSK	36	0	19.71	19.75	19.65				
15	QPSK	36	20	19.63	19.55	19.61	20.9	0		
15	QPSK	36	39	19.52	19.45	19.50				
15	QPSK	75	0	19.59	19.63	19.62				
15	16QAM	1	0	19.66	19.72	19.67				
15	16QAM	1	37	19.45	19.46	19.45	20.9	0		
15	16QAM	1	74	19.70	19.71	19.62				
15	16QAM	36	0	19.63	19.72	19.66				
15	16QAM	36	39	19.43	19.46	19.49				
15	16QAM	36	39	19.31	19.37	19.30	20.9	0		
15	16QAM	75	0	19.53	19.52	19.58				
15	16QAM	36	0	19.66	19.68	19.70				
15	64QAM	1	37	19.49	19.48	19.35				
15	64QAM	1	74	19.59	19.57	19.61	20.9	0		
15	64QAM	36	0	19.63	19.62	19.63				
15	64QAM	36	20	19.44	19.41	19.43				
15	64QAM	36	39	19.41	19.46	19.39				
15	64QAM	75	0	19.63	19.57	19.62	20.9	1.9		
15	256QAM	1	0	17.61	17.63	17.61				
15	256QAM	1	37	17.43	17.45	17.38				
15	256QAM	1	74	17.57	17.52	17.64				
15	256QAM	36	0	17.46	17.47	17.38	20.9	1.9		
15	256QAM	36	20	17.42	17.41	17.33				
15	256QAM	36	39	17.23	17.15	17.27				
15	256QAM	75	0	17.28	17.42	17.43				
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.75	19.72	19.75	20.9	0		
10	QPSK	1	12	19.61	19.65	19.69				
10	QPSK	1	49	19.68	19.72	19.75				
10	QPSK	25	0	19.72	19.62	19.75				
10	QPSK	25	0	19.62	19.57	19.58	20.9	0		
10	QPSK	25	25	19.43	19.45	19.41				
10	QPSK	50	0	19.61	19.63	19.68				
10	16QAM	1	0	19.71	19.75	19.66				
10	16QAM	1	25	19.64	19.62	19.50	20.9	0		
10	16QAM	1	49	19.71	19.65	19.69				
10	16QAM	25	0	19.73	19.60	19.60				
10	16QAM	25	12	19.49	19.45	19.49				
10	16QAM	25	25	19.35	19.33	19.43	20.9	0		
10	16QAM	50	0	19.57	19.57	19.49				
10	64QAM	1	0	19.66	19.72	19.60				
10	64QAM	1	25	19.48	19.55	19.53				
10	64QAM	1	49	19.59	19.67	19.63	20.9	0		
10	64QAM	25	0	19.65	19.64	19.62				
10	64QAM	25	12	19.49	19.45	19.44				
10	64QAM	25	25	19.37	19.39	19.41				
10	64QAM	50	0	19.59	19.54	19.62	20.9	0		
10	256QAM	1	0	17.56	17.52	17.62				
10	256QAM	1	25	17.46	17.44	17.49				
10	256QAM	1	49	17.49	17.49	17.66				
10	256QAM	25	0	17.46	17.45	17.34	20.9	1.9		
10	256QAM	25	12	17.32	17.35	17.28				
10	256QAM	25	25	17.19	17.18	17.27				
10	256QAM	50	0	17.28	17.42	17.43				
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.79	19.68	19.74	20.9	0		
5	QPSK	1	12	19.61	19.65	19.69				
5	QPSK	1	24	19.76	19.69	19.65				
5	QPSK	12	0	19.72	19.68	19.73				
5	QPSK	12	0	19.62	19.57	19.59	20.9	0		
5	QPSK	12	13	19.49	19.47	19.41				
5	QPSK	25	0	19.68	19.65	19.69				
5	16QAM	1	0	19.66	19.69	19.73				
5	16QAM	1	12	19.45	19.51	19.53	20.9	0		
5	16QAM	1	24	19.64	19.74	19.64				
5	16QAM	12	0	19.71	19.70	19.60				
5	16QAM	12	7	19.51	19.46	19.47				
5	16QAM	12	13	19.41	19.35	19.38	20.9	0		
5	16QAM	25	0	19.47	19.52	19.57				
5	64QAM	1	0	19.71	19.67	19.67				
5	64QAM	1	12	19.57	19.58	19.55				
5	64QAM	1	24	19.60	19.60	19.57	20.9	0		
5	64QAM	12	0	19.70	19.72	19.63				
5	64QAM	12	7	19.52	19.43	19.47				
5	64QAM	12	13	19.39	19.41	19.37				
5	64QAM	25	0	19.62	19.55	19.62	20.9	0		
5	256QAM	1	0	17.58	17.50	17.53				
5	256QAM	1	12	17.53	17.44	17.48				
5	256QAM	1	24	17.64	17.55	17.59				
5	256QAM	12	0	17.35	17.48	17.38	20.9	1.9		
5	256QAM	12	7	17.41	17.29	17.43				
5	256QAM	12	13	17.32	17.31	17.26				
5	256QAM	25	0	17.34	17.45	17.36				

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co. (Hz)	Power Low Middle Co. (Hz)	Power High Middle Co. (Hz)	Power High Co. (Hz)	Tune-up limit (dBm)	MPR (dB)			
Channel												
Frequency (MHz)												
20	QPSK	1	0	19.70	19.75	19.64	19.65	19.71	20.9	0		
20	QPSK	1	49	19.68	19.62	19.54	19.64	19.65				
20	QPSK	1	99	19.74	19.57	19.66	19.69	19.73				
20	QPSK	50	0	19.72	19.54	19.65	19.67	19.70				
20	QPSK	50	24	19.58	19.71	19.60	19.59	19.69	20.9	0		
20	QPSK	50	50	19.70	19.75	19.61	19.66	19.67				
20	QPSK	100	0	19.62	19.52	19.60	19.68	19.71				
20	16QAM	1	0	19.83	19.70	19.77	19.67	19.82				
20	16QAM	1	49	19.58	19.75	19.71	19.59	19.75	20.9	0		
20	16QAM	1	99	19.84	19.77	19.75	19.66	19.74				
20	16QAM	50	0	19.62	19.74	19.65	19.64	19.45				
20	16QAM	50	24	19.76	19.67	19.76	19.66	19.34				
20	16QAM	50	50	19.71	19.63	19.58	19.64	19.61	20.9	0		
20	16QAM	100	0	19.78	19.48	19.65	19.47	19.59				
20	64QAM	1	0	19.54	19.50	19.17	19.52	19.56		20.9	0	
20	64QAM	1	49	19.61	19.57	19.34	19.28	19.50				
20	64QAM	1	99	19.45	19.40	19.39	19.29	19.61				
20	64QAM	50	0	19.62	19.61	19.47	19.34	19.61				
20	64QAM	50	24	19.75	19.75	19.70	19.72	19.52	20.9	0		
20	64QAM	50	50	19.76	19.76	19.69	19.59	19.50	20.9	0		
20	64QAM	100	0	19.83	19.76	19.49	19.37	19.61				
20	256QAM	1	0	17.77	17.83	17.85	17.67	17.83				
20	256QAM	1	49	17.71	17.72	17.63	17.77	17.80				
20	256QAM	1	99	17.75	17.71	17.63	17.64	17.53	19.1	0		
20	256QAM	50	0	16.16	16.13	16.04	17.69	16.15				
20	256QAM	50	24	16.18	16.07	17.74	17.67	16.27				
20	256QAM	100	0	16.94	16.03	17.93	17.91	16.13				
Channel				2500	2513	2503	2513	2505	20.9	MPR (dB)		
Frequency (MHz)												
25	QPSK	1	0	19.51	19.57	19.44	19.25	19.55			20.9	0
25	QPSK	1	39	19.52	19.44	19.37	19.27	19.57				
25	QPSK	1	74	19.56	19.62	19.50	19.34	19.54				
25	QPSK	36	0	19.63	19.78	19.55	19.58	19.68				
25	QPSK	36	20	19.51	19.56	19.52	19.39	19.62	20.9	0		
25	QPSK	36	50	19.63	19.63	19.60	19.23	19.63				
25	QPSK	36	85	19.64	19.65	19.60	19.60	19.64				
25	16QAM	1	0	19.67	19.55	19.59	19.52	19.64				
25	16QAM	1	39	19.70	19.53	19.54	19.44	19.69	20.9	0		
25	16QAM	1	74	19.64	19.58	19.58	19.48	19.55				
25	16QAM	36	0	19.43	19.57	19.26	19.24	19.30				
25	16QAM	36	20	19.56	19.51	19.56	19.56	19.58				
25	16QAM	36	39	19.55	19.48	19.43	19.45	19.62	20.9	0		
25	16QAM	75	0	19.58	19.30	19.49	19.27	19.42				
25	16QAM	75	39	19.26	19.33	19.49	19.19	19.12				
25	16QAM	1	37	19.45	19.38	19.45	19.15	19.35				
25	64QAM	1	74	19.26	19.23	19.23	19.12	19.42	20.9	0		
25	64QAM	36	0	19.46	19.64	19.28	19.18	19.64				
25	64QAM	36	20	19.57	19.57	19.55	19.57	19.77				
25	64QAM	36	39	19.61	19.59	19.50	19.41	19.74				
25	64QAM	75	0	19.65	19.58	19.30	19.21	19.46	20.9	0		
25	256QAM	1	0	17.77	17.77	17.63	17.77	17.80				
25	256QAM	1	37	17.69	17.62	17.60	17.53	17.77				
25	256QAM	1	74	17.73	17.66	17.54	17.59	17.86				
25	256QAM	36	0	16.16	16.15	16.04	17.69	16.15	19.1	0		
25	256QAM	36	20	16.01	16.00	17.77	17.69	16.21				
25	256QAM	36	39	18.06	17.93	17.87	17.81	18.04				
25	256QAM	75	0	17.53	17.55	17.55	17.52	17.62				
Channel				30700	30760	30760	30760	30760	20.9	MPR (dB)		
Frequency (MHz)												
30	QPSK	1	0	19.52	19.55	19.44	19.28	19.55			20.9	0
30	QPSK	1	39	19.51	19.47	19.38	19.27	19.49				
30	QPSK	1	49	19.56	19.77	19.49	19.30	19.54				
30	QPSK	25	0	19.62	19.79	19.55	19.56	19.66				
30	QPSK	25	12	19.52	19.62	19.54	19.44	19.63	20.9	0		
30	QPSK	25	25	19.62	19.61	19.22	19.39	19.55				
30	QPSK	50	0	19.67	19.70	19.57	19.57	19.65				
30	16QAM	1	0	19.64	19.51	19.56	19.50	19.63				
30	16QAM	1	25	19.71	19.64	19.62	19.41	19.63	20.9	0		
30	16QAM	1	49	19.68	19.57	19.60	19.49	19.57				
30	16QAM	25	0	19.45	19.55	19.30	19.25	19.27				
30	16QAM	25	12	19.56	19.47	19.59	19.47	19.75				
30	16QAM	25	12	19.53	19.47	19.38	19.48	19.61	20.9	0		
30	16QAM	50	0	19.58	19.30	19.46	19.29	19.39				
30	64QAM	1	0	19.51	19.50	19.01	19.51	19.53				
30	64QAM	1	25	19.44	19.38	19.14	19.12	19.35				
30	64QAM	1	49	19.33	19.23	19.21	19.13	19.44	20.9	0		
30	64QAM	25	0	19.46	19.66	19.36	19.36	19.66				
30	64QAM	25	12	19.56	19.58	19.53	19.54	19.76				
30	64QAM	25	25	19.58	19.56	19.51	19.43	19.72				
30	256QAM	1	0	19.63	19.66	19.29	19.21	19.66	20.9	0		
30	256QAM	1	12	17.77	17.73	17.80	17.57	17.75				
30	256QAM	1	25	17.73	17.64	17.56	17.51	17.75				
30	256QAM	1	49	17.75	17.69	17.68	17.57	17.86				
30	256QAM	25	0	16.15	16.15	16.03	17.66	16.05	19.1	0		
30	256QAM	25	12	16.01	17.99	17.67	17.52	17.61				
30	256QAM	25	25	17.67	17.58	17.84	17.81	18.06				
30	256QAM	50	0	17.57	17.47	17.89	17.85	17.51				
Channel				39675	40168	40060	41093	41065	20.9	MPR (dB)		
Frequency (MHz)												
40	QPSK	1	0	19.43	19.43	19.33	19.40	19.43			20.9	0
40	QPSK	1	12	19.48	19.46	19.25	19.25	19.46				
40	QPSK	1	24	19.54	19.77	19.50	19.34	19.57				
40	QPSK	12	0	19.63	19.77	19.56	19.56	19.69				
40	QPSK	12	13	19.52	19.53	19.52	19.43	19.63	20.9	0		
40	QPSK	12	13	19.61	19.58	19.22	19.41	19.58				
40	QPSK	25	0	19.66	19.67	19.53	19.59	19.65				
40	QPSK	25	1	19.60	19.53	19.60	19.53	19.66				
40	16QAM	1	12	19.68	19.64	19.55	19.42	19.60	20.9	0		
40	16QAM	1	24	19.65	19.57	19.58	19.47	19.59				
40	16QAM	12	0	19.56	19.57	19.58	19.57	19.58				
40	16QAM	12	7	19.60	19.51	19.56	19.51	19.77				
40	16QAM	12	13	19.53	19.48	19.41	19.47	19.66	20.9	0		
40	16QAM	25	0	19.52	19.39	19.49	19.27	19.35				
40	64QAM	1	12	19.34	19.37	19.02	19.12	19.30				
40	64QAM	1	24	19.25	19.20	19.22	19.12	19.31				
40	64QAM	12	0	19.42	19.63	19.29	19.14	19.49	20.9	0		
40	64QAM	12	7	19.60	19.50	19.50	19.53	19.76				
40	64QAM	12	13	19.59	19.60	19.50	19.40	19.74				
40	64QAM	25	0	19.53	19.53	19.32	19.32	19.47				
40	256QAM	1	0	17.77	17.77	17.77	17.58	17.77	19.1	0		
40	256QAM	1	12	17.75	17.65	17.55	17.50	17.77				
40	256QAM	1	24	17.72	17.62	17.54	17.46	17.86				
40	256QAM	12	0	16.12	16.05	17.99	17.90	18.09				
40	256QAM	12	7	16.04	16.02	17.64	17.90	18.20	19.1	0		
40	256QAM	12	13	16.02	17.94	17.87	17.82	18.05				
40	256QAM	25	0	17.92	17.92	17.86	17.84	18.09				
40	256QAM	25	13	17.92	17.92	17.86	17.84	18.09				



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Band 2_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq	Power Ch./F.Freq	Power Ch./F.Freq	Turn-on Time (ms)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.46	22.31	22.29	23.5	0		
20	QPSK	1	49	22.38	22.29	22.14				
20	QPSK	1	99	22.40	22.40	22.40				
20	QPSK	50	0	21.91	21.72	21.64				
20	QPSK	50	24	21.89	21.67	21.52	23	0.5		
20	QPSK	50	24	21.77	21.57	21.52				
20	QPSK	100	0	21.88	21.68	21.62				
20	16QAM	1	49	21.83	21.66	21.49				
20	16QAM	50	49	21.89	21.63	21.52	23	0.5		
20	16QAM	1	99	21.83	21.66	21.49				
20	16QAM	50	24	20.77	20.59	20.59				
20	16QAM	50	24	20.79	20.60	20.58				
20	16QAM	50	50	20.78	20.60	20.53	22	1.5		
20	16QAM	100	0	19.84	19.65	19.50				
20	64QAM	1	49	20.78	20.60	20.53				
20	64QAM	50	0	19.89	19.66	19.62				
20	64QAM	50	24	19.88	19.63	19.60	21	2.5		
20	64QAM	50	50	19.85	19.61	19.56				
20	256QAM	1	0	17.61	17.63	17.65				
20	256QAM	1	49	17.68	17.72	17.72				
20	256QAM	1	99	17.61	17.61	17.72	19	4.5		
20	256QAM	50	0	17.67	17.67	17.67				
20	256QAM	50	24	17.59	17.72	17.69				
20	256QAM	50	50	17.67	17.69	17.71				
Channel				1867.5	1869.0	1869.0	Turn-on	MPR		
Frequency (MHz)				1867.5	1869.0	1869.0	Time (ms)	(dB)		
16	QPSK	1	0	22.38	22.38	22.34	23.5	0		
16	QPSK	1	37	22.22	22.27	22.26				
16	QPSK	1	74	22.38	22.27	22.26				
16	QPSK	36	0	21.79	21.86	21.80				
16	QPSK	36	20	21.76	21.67	21.79	23	0.5		
16	QPSK	36	36	21.72	21.74	21.68				
16	QPSK	75	0	21.81	21.77	21.72				
16	16QAM	1	0	21.76	21.70	21.71				
16	16QAM	1	37	21.77	21.77	21.82	23	0.5		
16	16QAM	1	74	21.79	21.77	21.72				
16	16QAM	36	0	20.69	20.64	20.64				
16	16QAM	36	20	20.72	20.76	20.76				
16	16QAM	36	39	20.69	20.70	20.78	22	1.5		
16	16QAM	75	0	20.73	20.75	20.76				
16	16QAM	1	0	20.73	20.75	20.76				
16	64QAM	1	37	20.70	20.69	20.67				
16	64QAM	1	74	20.77	20.76	20.76	22	1.5		
16	64QAM	36	0	19.75	19.97	19.93				
16	64QAM	36	20	19.85	19.79	19.75				
16	64QAM	75	0	19.73	19.92	19.70				
16	256QAM	1	0	17.48	17.59	17.50	19	4.5		
16	256QAM	1	37	17.51	17.60	17.64				
16	256QAM	1	74	17.54	17.57	17.59				
16	256QAM	36	0	17.41	17.45	17.38				
16	256QAM	36	20	17.40	17.58	17.50	19	4.5		
16	256QAM	36	39	17.42	17.48	17.39				
16	256QAM	75	0	17.69	17.69	17.56				
Channel				1869.0	1869.0	1869.0	Turn-on	MPR		
Frequency (MHz)				1869.0	1869.0	1869.0	Time (ms)	(dB)		
10	QPSK	1	0	22.41	22.39	22.37	23.5	0		
10	QPSK	1	25	22.20	22.31	22.30				
10	QPSK	1	49	22.30	22.31	22.30				
10	QPSK	25	0	21.83	21.81	21.82				
10	QPSK	25	16	21.69	21.78	21.75	23	0.5		
10	QPSK	25	16	21.75	21.78	21.76				
10	QPSK	50	0	21.75	21.78	21.74				
10	16QAM	1	0	21.77	21.81	21.72				
10	16QAM	1	25	21.80	21.85	21.77	23	0.5		
10	16QAM	1	49	21.76	21.72	21.70				
10	16QAM	25	0	20.72	20.75	20.74				
10	16QAM	25	12	20.76	20.75	20.84				
10	16QAM	25	25	20.78	20.68	20.79	22	1.5		
10	16QAM	50	0	20.76	20.68	20.78				
10	64QAM	1	0	20.72	20.65	20.71				
10	64QAM	1	25	20.64	20.70	20.68				
10	64QAM	1	49	20.77	20.74	20.75	22	1.5		
10	64QAM	25	0	19.77	19.97	19.92				
10	64QAM	25	12	19.86	19.80	19.79				
10	64QAM	25	25	19.84	19.84	19.72				
10	64QAM	50	0	19.76	19.79	19.70	19	4.5		
10	256QAM	1	0	17.48	17.54	17.55				
10	256QAM	1	25	17.53	17.54	17.55				
10	256QAM	1	49	17.55	17.47	17.54				
10	256QAM	25	0	17.56	17.43	17.55	19	4.5		
10	256QAM	25	12	17.40	17.48	17.50				
10	256QAM	25	25	17.51	17.52	17.47				
10	256QAM	50	0	17.53	17.62	17.65				
Channel				1869.0	1869.0	1869.0	Turn-on	MPR		
Frequency (MHz)				1869.0	1869.0	1869.0	Time (ms)	(dB)		
5	QPSK	1	0	22.44	22.37	22.37	23.5	0		
5	QPSK	1	12	22.20	22.31	22.33				
5	QPSK	1	24	22.35	22.33	22.29				
5	QPSK	12	0	21.88	21.81	21.91				
5	QPSK	12	7	21.72	21.73	21.78	23	0.5		
5	QPSK	12	13	21.66	21.64	21.64				
5	QPSK	25	0	21.77	21.72	21.83				
5	16QAM	1	0	21.62	21.68	21.69				
5	16QAM	1	12	21.84	21.80	21.89	23	0.5		
5	16QAM	1	24	21.78	21.75	21.69				
5	16QAM	12	0	20.73	20.73	20.74				
5	16QAM	12	7	20.64	20.73	20.70				
5	16QAM	12	19	20.77	20.65	20.75	22	1.5		
5	16QAM	25	0	20.76	20.79	20.79				
5	64QAM	1	0	20.75	20.67	20.71				
5	64QAM	1	12	20.74	20.73	20.66				
5	64QAM	1	24	20.66	20.67	20.75	22	1.5		
5	64QAM	12	0	19.86	19.85	19.86				
5	64QAM	12	7	19.86	19.80	19.76				
5	64QAM	12	19	19.83	19.86	19.74				
5	256QAM	1	0	17.50	17.48	17.49	19	4.5		
5	256QAM	1	12	17.63	17.51	17.64				
5	256QAM	1	24	17.46	17.45	17.51				
5	256QAM	12	0	17.49	17.50	17.55	19	4.5		
5	256QAM	12	7	17.54	17.47	17.54				
5	256QAM	12	19	17.41	17.55	17.55				
5	256QAM	25	0	17.42	17.61	17.61				
Channel				1870.5	1880	1880.5	Turn-on	MPR		
Frequency (MHz)				1870.5	1880	1880.5	Time (ms)	(dB)		
3	QPSK	1	0	22.45	22.42	22.36	23.5	0		
3	QPSK	1	8	22.20	22.27	22.27				
3	QPSK	1	16	22.38	22.35	22.29				
3	QPSK	8	0	21.80	21.89	21.88				
3	QPSK	8	8	21.77	21.75	21.75	23	0.5		
3	QPSK	8	8	21.68	21.75	21.71				
3	QPSK	16	0	21.78	21.83	21.73				
3	QPSK	16	8	21.74	21.76	21.76				
3	16QAM	1	0	21.67	21.85	21.85	23	0.5		
3	16QAM	1	14	21.76	21.72	21.77				
3	16QAM	8	0	20.68	20.76	20.76				
3	16QAM	8	8	20.67	20.72	20.69				
3	16QAM	8	7	20.66	20.73	20.71	22	1.5		
3	16QAM	16	0	20.69	20.76	20.76				
3	16QAM	1	8	20.76	20.75	20.77				
3	16QAM	1	8	20.64	20.70	20.78				
3	16QAM	8	0	19.87	19.78	19.83	21	2.5		
3	16QAM	8	4	19.76	19.81	19.76				
3	16QAM	8	12	19.74	19.73	19.80				
3	16QAM	16	0	19.79	19.82	19.79				
3	256QAM	1	0	17.57	17.47	17.58	19	4.5		
3	256QAM	1	8	17.61	17.46	17.58				
3	256QAM	1	14	17.59	17.53	17.47				
3	256QAM	8	0	17.57	17.49	17.48	19	4.5		
3	256QAM	8	7	17.51	17.41	17.47				
3	256QAM	8	7	17.53	17.49	17.45				
3	256QAM	16	0	17.64	17.64	17.64	19	4.5		
3	256QAM	16	8	17.58	17.53	17.53				
3	256QAM	16	14	17.57	17.53	17.53				
Channel				1880.5	1880	1880.5	Turn-on	MPR		
Frequency (MHz)				1880.5	1880	1880.5	Time (ms)	(dB)		
1.4	QPSK	1	0	22.44	22.43	22.36	23.5	0		
1.4	QPSK	1	8	22.20	22.27	22.27				
1.4	QPSK	1	16	22.38	22.35	22.29				
1.4	QPSK	8	0	21.80	21.89	21.88				
1.4	QPSK	8	8	21.77	21.75	21.75	23	0.5		
1.4	QPSK	8	8	21.68	21.75	21.71				
1.4	QPSK	16	0	21.78	21.83	21.73				
1.4	QPSK	16	8	21.74	21.76	21.76				
1.4	16QAM	1	0	21.67	21.85	21.85	23	0.5		
1.4	16QAM	1	14	21.76	21.72	21.77				
1.4	16QAM	8	0	20.68	20.76	20.76				
1.4	16QAM	8	4	20.67	20.72	20.69				
1.4	16QAM	8	7	20.66	20.73	20.71	22	1.5		
1.4	16QAM	16	0	20.69	20.76	20.76				
1.4	16QAM	1	8	20.76	20.75	20.77				
1.4	16QAM	1	8							

Band 30_Ant 8									
RW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up limit (min)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0		19.33		20.5	0	
10	QPSK	1	25		19.35				
10	QPSK	1	49		19.35				
10	QPSK	25	0		19.33				
10	QPSK	25	12		19.25		20.5	0	
10	QPSK	25	25		19.25				
10	QPSK	50	0		19.30				
10	QPSK	50	0		19.30				
10	16QAM	1	0		19.28		20.5	0	
10	16QAM	1	25		19.30				
10	16QAM	1	49		19.30				
10	16QAM	25	0		19.25				
10	16QAM	25	12		19.25		20.5	0	
10	16QAM	25	25		19.25				
10	16QAM	50	0		19.25				
10	16QAM	50	0		19.25				
10	64QAM	1	25		19.20		20.5	0	
10	64QAM	1	49		19.27				
10	64QAM	25	0		19.30				
10	64QAM	25	12		19.34				
10	64QAM	25	25		19.30		20.5	0	
10	64QAM	50	0		19.20				
10	256QAM	1	0		18.60				
10	256QAM	1	25		18.60				
10	256QAM	1	49		17.96		19	1.5	
10	256QAM	25	0		17.80				
10	256QAM	25	12		17.80				
10	256QAM	25	25		17.80				
10	256QAM	50	0		17.87		19	1.5	
10	256QAM	50	0		17.87				
Frequency (MHz)				21685	21712	21738	Time-up limit (min)	MPR (dB)	
Channel				2307.5	2310	2312.5			
5	QPSK	1	0	18.80	18.77	18.78	20.5	0	
5	QPSK	1	12	18.78	18.78	18.77			
5	QPSK	1	24	18.74	18.76	18.71			
5	QPSK	12	0	18.70	18.72	18.73			
5	QPSK	12	7	18.67	18.67	18.68	20.5	0	
5	QPSK	12	13	18.68	18.68	18.63			
5	QPSK	25	0	18.73	18.73	18.72			
5	16QAM	1	0	18.70	18.70	18.71			
5	16QAM	1	12	18.70	18.75	18.70	20.5	0	
5	16QAM	1	24	18.78	18.73	18.76			
5	16QAM	12	0	18.78	18.75	18.73			
5	16QAM	12	7	18.73	18.71	18.71			
5	16QAM	12	13	18.70	18.69	18.69	20.5	0	
5	16QAM	25	0	18.74	18.74	18.75			
5	64QAM	1	12	18.72	18.73	18.71			
5	64QAM	1	24	18.71	18.67	18.69			
5	64QAM	12	0	18.71	18.71	18.71	20.5	0	
5	64QAM	12	7	18.77	18.74	18.75			
5	64QAM	12	13	18.70	18.70	18.78			
5	64QAM	25	0	18.69	18.73	18.70			
5	256QAM	1	0	17.82	17.87	17.96	19	1.5	
5	256QAM	1	12	17.80	17.86	17.84			
5	256QAM	1	24	17.79	17.80	17.78			
5	256QAM	12	0	17.83	17.81	17.88			
5	256QAM	12	7	17.78	17.80	17.78	19	1.5	
5	256QAM	12	13	17.72	17.79	17.72			
5	256QAM	25	0	17.79	17.78	17.77			
5	256QAM	25	0	17.79	17.78	17.77			

Band 66_Ant 2									
RW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F15072	Power Mid Ch./F15222	Power High Ch./F15372	Time-up limit (min)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	0	21.81	21.89	21.88	23	0	
30	QPSK	1	49	21.88	21.81	21.75			
30	QPSK	1	98	21.78	21.82	21.71			
30	QPSK	50	0	21.89	21.87	21.84			
30	QPSK	50	24	21.75	21.73	21.65	23	0	
30	QPSK	50	25	21.73	21.64	21.64			
30	QPSK	100	0	21.87	21.88	21.72			
30	16QAM	1	0	21.69	21.74	21.64			
30	16QAM	1	49	21.87	21.74	21.70	23	0	
30	16QAM	1	99	21.86	21.76	21.72			
30	16QAM	50	0	20.70	20.73	20.68			
30	16QAM	50	24	20.80	20.68	20.65			
30	16QAM	50	50	20.86	20.63	20.68	22	1	
30	16QAM	100	0	20.69	20.72	20.64			
30	64QAM	1	0	20.87	20.87	20.72			
30	64QAM	1	49	20.72	20.62	20.62			
30	64QAM	1	99	20.76	20.84	20.62	22	1	
30	64QAM	50	0	19.77	19.85	19.61			
30	64QAM	50	24	19.68	19.75	19.59			
30	64QAM	50	50	19.74	19.63	19.68			
30	256QAM	1	0	17.56	17.61	17.63	21	2	
30	256QAM	1	49	17.71	17.56	17.61			
30	256QAM	1	99	17.83	17.63	17.67			
30	256QAM	50	0	17.63	17.63	17.61			
30	256QAM	50	24	17.62	17.63	17.67	19	4	
30	256QAM	50	50	17.71	17.63	17.63			
30	256QAM	100	0	17.68	17.61	17.65			
Channel									
Frequency (MHz)				17117.5	17145	17173.5	Time-up limit (min)	MPR (dB)	
15	QPSK	1	0	21.88	21.78	21.84	23	0	
15	QPSK	1	37	21.70	21.71	21.76			
15	QPSK	1	74	21.79	21.80	21.81			
15	QPSK	36	0	21.86	21.78	21.81			
15	QPSK	36	20	21.84	21.67	21.69	23	0	
15	QPSK	36	39	21.51	21.52	21.56			
15	QPSK	75	0	21.59	21.67	21.64			
15	16QAM	1	0	21.67	21.67	21.72			
15	16QAM	1	37	21.62	21.64	21.63	23	0	
15	16QAM	1	74	21.62	21.67	21.73			
15	16QAM	36	0	20.64	20.63	20.69			
15	16QAM	36	20	20.57	20.58	20.59			
15	16QAM	36	39	20.51	20.55	20.59	22	1	
15	16QAM	75	0	20.58	20.59	20.61			
15	64QAM	1	0	20.63	20.64	20.63			
15	64QAM	1	37	20.51	20.51	20.48			
15	64QAM	1	74	20.56	20.50	20.52	22	1	
15	64QAM	36	0	19.64	19.54	19.59			
15	64QAM	36	20	19.65	19.63	19.61			
15	64QAM	75	0	19.65	19.60	19.68			
15	256QAM	1	0	17.47	17.59	17.48	19	4	
15	256QAM	1	37	17.45	17.56	17.43			
15	256QAM	1	74	17.53	17.52	17.47			
15	256QAM	36	0	17.48	17.57	17.60			
15	256QAM	36	20	17.43	17.48	17.48	19	4	
15	256QAM	36	39	17.58	17.58	17.55			
15	256QAM	75	0	17.38	17.31	17.32			
Channel									
Frequency (MHz)				17115	17145	17175	Time-up limit (min)	MPR (dB)	
5	QPSK	1	0	21.87	21.85	21.89	23	0	
5	QPSK	1	12	21.88	21.73	21.72			
5	QPSK	1	25	21.89	21.73	21.73			
5	QPSK	12	0	21.76	21.83	21.81			
5	QPSK	12	7	21.81	21.62	21.66	23	0	
5	QPSK	12	14	21.84	21.62	21.62			
5	QPSK	25	0	21.63	21.62	21.61			
5	16QAM	1	0	21.70	21.71	21.66			
5	16QAM	1	12	21.65	21.69	21.67	23	0	
5	16QAM	1	25	21.69	21.69	21.67			
5	16QAM	12	0	20.59	20.59	20.58			
5	16QAM	12	7	20.59	20.58	20.58			
5	16QAM	12	14	20.59	20.61	20.49	22	1	
5	16QAM	25	0	20.63	20.60	20.60			
5	16QAM	25	7	20.53	20.60	20.54			
5	16QAM	25	14	20.48	20.58	20.59			
5	16QAM	1	0	20.57	20.58	20.59	22	1	
5	16QAM	12	0	19.51	19.59	19.51			
5	16QAM	12	7	19.66	19.72	19.72			
5	16QAM	12	14	19.66	19.73	19.66			
5	16QAM	25	0	19.59	19.72	19.59	21	2	
5	16QAM	25	7	19.67	19.62	19.62			
5	16QAM	25	14	19.47	17.62	17.58			
5	16QAM	25	21	19.47	17.62	17.58			
5	16QAM	1	0	17.47	17.58	17.55	19	4	
5	16QAM	1	12	17.47	17.60	17.58			
5	16QAM	1	25	17.48	17.60	17.58			
5	16QAM	12	0	17.48	17.62	17.55			
5	16QAM	12	14	17.48	17.62	17.55	19	4	
5	16QAM	12	21	17.48	17.62	17.55			
5	16QAM	25	0	17.42	17.60	17.43			
Channel									
Frequency (MHz)				17115.5	17125.5	17135.5	Time-up limit (min)	MPR (dB)	
3	QPSK	1	0	21.80	21.84	21.86	23	0	
3	QPSK	1	12	21.87	21.77	21.77			
3	QPSK	1	25	21.76	21.76	21.76			
3	QPSK	8	0	21.83	21.88	21.77			
3	QPSK	8	12	21.85	21.65	21.65	23	0	
3	QPSK	8	25	21.78	21.65	21.65			
3	QPSK	8	37	21.58	21.58	21.57			
3	QPSK	16	0	21.85	21.54	21.68			
3	16QAM	1	0	21.83	21.70	21.65	23	0	
3	16QAM	1	14	21.75	21.71	21.75			
3	16QAM	8	0	20.55	20.58	20.58			
3	16QAM	8	7	20.53	20.50	20.49			
3	16QAM	8	14	20.54	20.64	20.57	22	1	
3	16QAM	16	0	20.57	20.57	20.62			
3	16QAM	16	7	19.59	19.61	19.61			
3	16QAM	16	14	19.62	19.62	19.61			
3	16QAM	8	0	19.62	19.74	19.69	21	2	
3	16QAM	8	7	19.59	19.61	19.61			
3	16QAM	8	14	19.48	17.61	17.61			
3	16QAM	16	0	19.69	19.69	19.70			
3	256QAM	1	0	17.47	17.58	17.55	19	4	
3	256QAM	1	14	17.48	17.61	17.61			
3	256QAM	8	0	17.47	17.53	17.42			
3	256QAM	8	7	17.54	17.58	17.52			
3	256QAM	16	0	17.47	17.58	17.52	19	4	
3	256QAM	16	7	17.47	17.58	17.52			
3	256QAM	16	14	17.48	17.60	17.47			
3	256QAM	32	0	17.49	17.58	17.50			
Channel									
Frequency (MHz)				17117.5	17127.5	17137.5	Time-up limit (min)	MPR (dB)	
1.4	QPSK	1	0	21.75	21.87	21.86	23	0	
1.4	QPSK	1	21	21.76	21.79	21.79			
1.4	QPSK	1	42	21.73	21.74	21.77			
1.4	QPSK	1	63	21.73	21.74	21.77			
1.4	QPSK	3	0	21.72	21.81	21.88	23	0	
1.4	QPSK	3	21	21.52	21.61	21.65			
1.4	QPSK	3	42	21.51	21.61	21.65			
1.4	QPSK	3	63	21.52	21.61	21.65			
1.4	16QAM	1	0	21.70	21.71	21.65	23	0	
1.4	16QAM	1	21	21.83	21.70	21.65			
1.4	16QAM	1	42	21.78	21.68	21.65			
1.4	16QAM	1	63	21.78	21.68	21.65			
1.4	16QAM	3	0	21.70	21.87	21.69	23	0	
1.4	16QAM	3	21	21.87	21.63	21.64			
1.4	16QAM	3	42	21.80	21.63	21.65			
1.4	16QAM	3	63	21.80	21.63	21.65			
1.4	16QAM	6	0	20.69	20.69	20.65	22	1	
1.4	16QAM	6	21	20.60	20.59	20.57			
1.4	16QAM	6	42	20.60	20.51	20.52			
1.4	16QAM	6	63	20.60	20.51	20.52			
1.4	16QAM	3	0	20.58	20.58	20.52	22	1	
1.4	16QAM	3	21	20.66	19.67	19.63			
1.4	16QAM	3	42	17.48	17.48	17.48			
1.4	16QAM	3	63	17.43	17.52	17.50			
1.4	16QAM	1	0	17.46	17.48	17.47	19	4	
1.4	16QAM	1	21	17.46	17.48	17.47			
1.4	16QAM	1	42	17.46	17.48	17.47			
1.4	16QAM	1	63	17.49	17.58	17.50			
1.4	16QAM	3	0	17.46	17.48	17.47	19	4	
1.4	16QAM	3	21	17.46	17.48	17.47			
1.4	16QAM	3	42	17.46	17.48	17.47			
1.4	16QAM	3	63	17.43	17.50	17.53			

Band 41_Ant 8										
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	22.9	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.76	21.99	21.85	21.71	21.95	22.9	0
20	QPSK	1	49	21.90	22.02	22.03	21.85	22.00		
20	QPSK	1	99	22.03	22.20	22.05	21.93	22.18	22.9	0
20	QPSK	50	0	22.00	22.17	22.03	21.90	22.15		
20	QPSK	50	24	21.90	21.93	21.88	21.83	21.91	22.9	0
20	QPSK	50	50	21.87	21.94	21.80	21.81	21.89		
20	QPSK	100	0	21.93	22.15	21.91	21.85	21.95	22.9	0
20	16QAM	1	0	21.74	21.93	21.75	21.66	21.85		
20	16QAM	1	49	21.84	22.02	21.70	21.72	21.92	22.9	0
20	16QAM	1	99	21.92	22.13	21.80	21.85	22.10		
20	16QAM	50	0	20.95	21.06	21.00	20.90	21.03	22	0.9
20	16QAM	50	24	20.86	20.99	20.95	20.87	20.94		
20	16QAM	50	50	20.80	20.95	20.90	20.84	20.93	22	0.9
20	16QAM	100	0	20.79	20.95	20.88	20.82	20.89		
20	64QAM	1	0	20.66	20.73	20.71	20.63	20.74	22	0.9
20	64QAM	1	49	20.65	20.79	20.75	20.70	20.76		
20	64QAM	1	99	20.73	20.82	20.80	20.72	20.81	22	0.9
20	64QAM	50	0	19.95	20.02	20.00	19.94	20.02		
20	64QAM	50	24	19.87	19.98	19.95	19.85	19.95	21	1.9
20	64QAM	50	50	19.98	20.07	20.05	19.99	20.08		
20	64QAM	100	0	19.93	20.04	20.00	19.90	20.04	19	3.9
20	256QAM	1	0	17.41	17.51	17.42	17.45	17.53		
20	256QAM	1	49	17.42	17.54	17.51	17.45	17.55	19	3.9
20	256QAM	1	99	17.34	17.53	17.45	17.45	17.53		
20	256QAM	50	0	17.31	17.48	17.36	17.39	17.45	19	3.9
20	256QAM	50	24	17.39	17.46	17.42	17.41	17.45		
20	256QAM	50	50	17.42	17.52	17.44	17.44	17.50	20	256QAM
20	256QAM	100	0	17.49	17.58	17.47	17.46	17.53		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	22.9	0
15	QPSK	1	0	21.69	21.90	21.78	21.63	21.90		
15	QPSK	1	37	21.84	21.94	21.96	21.80	21.94	22.9	0
15	QPSK	1	74	21.93	22.12	21.96	21.83	22.12		
15	QPSK	36	0	21.85	22.08	21.93	21.76	22.03	22.9	0
15	QPSK	36	20	21.81	21.85	21.79	21.75	21.86		
15	QPSK	36	39	21.82	21.89	21.73	21.73	21.80	22.9	0
15	QPSK	75	0	21.87	21.93	21.83	21.78	21.87		
15	16QAM	1	0	21.66	21.87	21.66	21.58	21.75	22.9	0
15	16QAM	1	37	21.77	21.93	21.63	21.65	21.82		
15	16QAM	1	74	21.82	22.06	21.71	21.80	22.00	22	0.9
15	16QAM	36	0	20.89	21.00	20.91	20.81	20.95		
15	16QAM	36	20	20.76	20.90	20.90	20.80	20.89	22	0.9
15	16QAM	36	39	20.72	20.85	20.84	20.79	20.83		
15	16QAM	75	0	20.70	20.86	20.81	20.73	20.79	22	0.9
15	64QAM	1	0	20.59	20.63	20.64	20.55	20.65		
15	64QAM	1	37	20.56	20.70	20.66	20.62	20.67	22	0.9
15	64QAM	1	74	20.63	20.75	20.72	20.65	20.72		
15	64QAM	36	0	19.88	19.93	19.92	19.89	19.97	21	1.9
15	64QAM	36	20	19.82	19.92	19.89	19.77	19.86		
15	64QAM	36	39	19.92	19.99	19.96	19.93	19.99	21	1.9
15	64QAM	75	0	19.85	19.95	19.92	19.83	19.94		
15	256QAM	1	0	17.41	17.46	17.35	17.39	17.48	19	3.9
15	256QAM	1	37	17.44	17.47	17.44	17.39	17.49		
15	256QAM	1	74	17.28	17.44	17.40	17.39	17.44	19	3.9
15	256QAM	36	0	17.28	17.40	17.29	17.31	17.39		
15	256QAM	36	20	17.39	17.36	17.37	17.35	17.37	19	3.9
15	256QAM	36	39	17.44	17.45	17.37	17.37	17.40		
15	256QAM	75	0	17.49	17.53	17.38	17.37	17.45	20	256QAM
15	256QAM	75	0	17.49	17.53	17.38	17.37	17.45		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	22.9	0
10	QPSK	1	0	21.68	21.89	21.78	21.64	21.86		
10	QPSK	1	25	21.80	21.92	21.93	21.79	21.94	22.9	0
10	QPSK	1	49	21.96	22.10	21.98	21.84	22.09		
10	QPSK	25	0	21.86	22.09	21.92	21.76	22.01	22.9	0
10	QPSK	25	12	21.81	21.86	21.81	21.73	21.83		
10	QPSK	25	25	21.78	21.85	21.73	21.73	21.80	22.9	0
10	QPSK	50	0	21.88	21.91	21.84	21.75	21.89		
10	16QAM	1	0	21.69	21.87	21.68	21.58	21.77	22.9	0
10	16QAM	1	25	21.79	21.96	21.62	21.62	21.87		
10	16QAM	1	49	21.82	22.03	21.72	21.76	22.03	22	0.9
10	16QAM	25	0	20.86	20.99	20.93	20.81	20.97		
10	16QAM	25	12	20.78	20.91	20.87	20.81	20.87	22	0.9
10	16QAM	25	25	20.74	20.88	20.83	20.79	20.83		
10	16QAM	50	0	20.73	20.89	20.82	20.73	20.83	22	0.9
10	64QAM	1	0	20.60	20.63	20.61	20.57	20.65		
10	64QAM	1	25	20.58	20.71	20.70	20.60	20.70	22	0.9
10	64QAM	1	49	20.66	20.75	20.74	20.63	20.74		
10	64QAM	25	0	19.88	19.95	19.95	19.89	19.93	21	1.9
10	64QAM	25	12	19.81	19.93	19.86	19.75	19.86		
10	64QAM	25	25	19.89	19.99	19.95	19.94	20.03	21	1.9
10	64QAM	50	0	19.85	19.99	19.90	19.83	19.99		
10	256QAM	1	0	17.41	17.41	17.36	17.40	17.43	19	3.9
10	256QAM	1	25	17.41	17.44	17.45	17.44	17.49		
10	256QAM	1	49	17.36	17.46	17.36	17.35	17.43	19	3.9
10	256QAM	25	0	17.34	17.40	17.29	17.30	17.35		
10	256QAM	25	12	17.36	17.37	17.36	17.35	17.39	19	3.9
10	256QAM	25	25	17.39	17.45	17.34	17.39	17.45		
10	256QAM	50	0	17.49	17.48	17.42	17.37	17.48	20	256QAM
10	256QAM	50	0	17.49	17.48	17.42	17.37	17.48		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	22.9	0
5	QPSK	1	0	21.68	21.94	21.76	21.64	21.85		
5	QPSK	1	12	21.82	21.96	21.98	21.76	21.90	22.9	0
5	QPSK	1	24	21.98	22.13	21.99	21.85	22.12		
5	QPSK	12	0	21.84	22.07	21.92	21.77	22.04	22.9	0
5	QPSK	12	7	21.84	21.87	21.79	21.73	21.86		
5	QPSK	12	13	21.81	21.89	21.70	21.74	21.81	22.9	0
5	QPSK	25	0	21.87	21.90	21.83	21.75	21.86		
5	16QAM	1	0	21.67	21.83	21.70	21.59	21.77	22.9	0
5	16QAM	1	12	21.76	21.94	21.65	21.66	21.86		
5	16QAM	1	24	21.82	22.08	21.75	21.78	22.00	22	0.9
5	16QAM	12	0	20.85	21.00	20.94	20.83	20.93		
5	16QAM	12	7	20.80	20.90	20.88	20.77	20.87	22	0.9
5	16QAM	12	13	20.72	20.85	20.82	20.74	20.88		
5	16QAM	25	0	20.71	20.89	20.83	20.76	20.83	22	0.9
5	64QAM	1	0	20.57	20.63	20.63	20.53	20.69		
5	64QAM	1	12	20.57	20.72	20.66	20.63	20.70	22	0.9
5	64QAM	1	24	20.68	20.77	20.70	20.66	20.71		
5	64QAM	12	0	19.88	19.94	19.95	19.86	19.92	21	1.9
5	64QAM	12	7	19.82	19.91	19.88	19.79	19.90		
5	64QAM	12	13	19.91	20.00	19.99	19.89	20.00	21	1.9
5	64QAM	25	0	19.88	19.99	19.92	19.80	19.94		
5	256QAM	1	0	17.41	17.42	17.32	17.39	17.45	19	3.9
5	256QAM	1	12	17.42	17.45	17.43	17.40	17.50		
5	256QAM	1	24	17.30	17.45	17.37	17.36	17.46	19	3.9
5	256QAM	12	0	17.31	17.43	17.27	17.29	17.35		
5	256QAM	12	7	17.32	17.36	17.35	17.32	17.37	19	3.9
5	256QAM	12	13	17.43	17.42	17.35	17.39	17.44		
5	256QAM	25	0	17.42	17.50	17.40	17.40	17.45	20	256QAM
5	256QAM	25	0	17.42	17.50	17.40	17.40	17.45		

Band 48_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	20.20	20.38	20.24	20.36	21	0	
20	QPSK	1	49	20.21	20.45	20.28	20.28			
20	QPSK	1	99	20.42	20.51	20.41	20.46			
20	QPSK	50	0	20.40	20.49	20.38	20.45			
20	QPSK	50	24	20.34	20.38	20.26	20.24	21	0	
20	QPSK	50	50	20.30	20.33	20.19	20.32			
20	QPSK	100	0	20.41	20.47	20.40	20.43			
20	16QAM	1	0	20.26	20.39	20.35	20.31			
20	16QAM	1	49	20.41	20.40	20.37	20.41	21	0	
20	16QAM	1	99	20.38	20.28	20.31	20.31			
20	16QAM	50	0	20.25	20.36	20.44	20.35			
20	16QAM	50	24	20.43	20.29	20.38	20.40			
20	16QAM	50	50	20.43	20.29	20.43	20.24	21	0	
20	16QAM	100	0	20.33	20.43	20.30	20.23			
20	64QAM	1	0	20.27	20.39	20.25	20.25			
20	64QAM	1	49	20.41	20.30	20.34	20.32			
20	64QAM	1	99	20.26	20.30	20.41	20.38	21	0	
20	64QAM	50	0	20.42	20.28	20.39	20.24			
20	64QAM	50	24	20.31	20.43	20.29	20.24			
20	64QAM	50	50	20.40	20.31	20.44	20.36			
20	64QAM	100	0	20.43	20.36	20.35	20.34	19	2	
20	256QAM	1	0	18.47	18.64	18.46	18.53			
20	256QAM	1	49	18.60	18.66	18.62	18.59			
20	256QAM	1	99	18.47	18.51	18.58	18.48			
20	256QAM	50	0	18.56	18.56	18.64	18.59	19	2	
20	256QAM	50	24	18.46	18.66	18.64	18.61			
20	256QAM	50	50	18.46	18.51	18.49	18.51			
20	256QAM	100	0	18.62	18.56	18.47	18.60			
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3608	3642	3692.5			
15	QPSK	1	0	20.32	20.34	20.33	20.24	21	0	
15	QPSK	1	37	20.36	20.39	20.36	20.39			
15	QPSK	1	74	20.37	20.47	20.48	20.37			
15	QPSK	36	0	20.47	20.43	20.48	20.38			
15	QPSK	36	20	20.35	20.28	20.35	20.32	21	0	
15	QPSK	36	39	20.32	20.23	20.29	20.29			
15	QPSK	75	0	20.46	20.38	20.41	20.42			
15	16QAM	1	0	20.36	20.26	20.36	20.30			
15	16QAM	1	37	20.39	20.37	20.38	20.32	21	0	
15	16QAM	1	74	20.21	20.14	20.15	20.22			
15	16QAM	36	0	20.25	20.29	20.25	20.22			
15	16QAM	36	20	20.17	20.27	20.26	20.27			
15	16QAM	36	39	20.22	20.26	20.21	20.26	21	0	
15	16QAM	75	0	20.36	20.38	20.35	20.32			
15	64QAM	1	0	20.34	20.28	20.27	20.31			
15	64QAM	1	37	20.21	20.26	20.16	20.24			
15	64QAM	1	74	20.24	20.24	20.18	20.16	21	0	
15	64QAM	36	0	20.15	20.20	20.27	20.21			
15	64QAM	36	20	20.32	20.37	20.34	20.41			
15	64QAM	36	39	20.17	20.29	20.21	20.25			
15	64QAM	75	0	20.22	20.34	20.28	20.24	19	2	
15	256QAM	1	0	18.51	18.63	18.62	18.61			
15	256QAM	1	37	18.58	18.58	18.63	18.51			
15	256QAM	1	74	18.33	18.35	18.38	18.48			
15	256QAM	36	0	18.41	18.51	18.43	18.54	19	2	
15	256QAM	36	20	18.48	18.58	18.49	18.58			
15	256QAM	36	39	18.42	18.35	18.43	18.35			
15	256QAM	75	0	18.37	18.50	18.53	18.49			
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	20.31	20.33	20.24	20.25	21	0	
10	QPSK	1	25	20.39	20.37	20.39	20.40			
10	QPSK	1	49	20.40	20.39	20.40	20.43			
10	QPSK	25	0	20.44	20.46	20.35	20.37			
10	QPSK	25	12	20.26	20.29	20.26	20.35	21	0	
10	QPSK	25	25	20.27	20.26	20.29	20.30			
10	QPSK	50	0	20.38	20.41	20.45	20.46			
10	16QAM	1	0	20.25	20.37	20.31	20.27			
10	16QAM	1	25	20.38	20.36	20.37	20.28	21	0	
10	16QAM	1	49	20.25	20.25	20.23	20.23			
10	16QAM	25	0	20.31	20.35	20.35	20.30			
10	16QAM	25	12	20.23	20.20	20.27	20.24			
10	16QAM	25	25	20.20	20.27	20.22	20.17	21	0	
10	16QAM	50	0	20.30	20.38	20.40	20.37			
10	64QAM	1	0	20.34	20.34	20.32	20.30			
10	64QAM	1	25	20.18	20.29	20.19	20.18			
10	64QAM	1	49	20.29	20.18	20.25	20.25	21	0	
10	64QAM	25	0	20.25	20.23	20.18	20.26			
10	64QAM	25	12	20.33	20.29	20.37	20.37			
10	64QAM	25	25	20.27	20.23	20.21	20.24			
10	64QAM	50	0	20.31	20.23	20.25	20.30	19	2	
10	256QAM	1	0	18.59	18.54	18.54	18.58			
10	256QAM	1	25	18.63	18.64	18.65	18.65			
10	256QAM	1	49	18.34	18.41	18.32	18.45			
10	256QAM	25	0	18.52	18.50	18.55	18.54	19	2	
10	256QAM	25	12	18.61	18.54	18.58	18.58			
10	256QAM	25	25	18.32	18.32	18.36	18.38			
10	256QAM	50	0	18.42	18.53	18.55	18.43			
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	20.31	20.36	20.32	20.27	21	0	
5	QPSK	1	12	20.35	20.40	20.34	20.43			
5	QPSK	1	24	20.49	20.45	20.43	20.38			
5	QPSK	12	0	20.37	20.36	20.48	20.39			
5	QPSK	12	7	20.25	20.30	20.24	20.37	21	0	
5	QPSK	12	13	20.20	20.28	20.24	20.30			
5	QPSK	25	0	20.36	20.40	20.39	20.46			
5	16QAM	1	0	20.28	20.38	20.37	20.30			
5	16QAM	1	12	20.38	20.33	20.32	20.26	21	0	
5	16QAM	1	24	20.16	20.25	20.20	20.22			
5	16QAM	12	0	20.31	20.25	20.35	20.29			
5	16QAM	12	7	20.22	20.19	20.20	20.19			
5	16QAM	12	13	20.23	20.18	20.15	20.16	21	0	
5	16QAM	25	0	20.36	20.38	20.35	20.34			
5	64QAM	1	0	20.38	20.33	20.31	20.35			
5	64QAM	1	12	20.21	20.29	20.26	20.22			
5	64QAM	1	24	20.27	20.20	20.25	20.22	21	0	
5	64QAM	12	0	20.23	20.27	20.16	20.22			
5	64QAM	12	7	20.32	20.42	20.29	20.41			
5	64QAM	12	13	20.18	20.21	20.28	20.28			
5	64QAM	25	0	20.32	20.31	20.22	20.28	19	2	
5	256QAM	1	0	18.56	18.61	18.59	18.54			
5	256QAM	1	12	18.60	18.51	18.54	18.63			
5	256QAM	1	24	18.45	18.34	18.38	18.35			
5	256QAM	12	0	18.41	18.42	18.50	18.40	19	2	
5	256QAM	12	7	18.46	18.64	18.48	18.57			
5	256QAM	12	13	18.44	18.31	18.47	18.35			
5	256QAM	25	0	18.49	18.50	18.52	18.45			



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Band 2_Ant 2														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up (sec)	APRS (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	10.44	10.31	10.33	20	0						
20	QPSK	1	49	10.30	10.28	10.29								
20	QPSK	1	99	10.34	10.26	10.22								
20	QPSK	50	0	10.42	10.26	10.27	20	0						
20	QPSK	50	24	10.31	10.27	10.26								
20	QPSK	50	50	10.29	10.24	10.24								
20	QPSK	100	0	10.31	10.26	10.17	20	0						
20	QPSK	100	0	10.27	10.25	10.21								
20	QPSK	1	49	10.28	10.25	10.16								
20	16QAM	1	99	10.28	10.23	10.20	20	0						
20	16QAM	50	0	10.32	10.11	10.13								
20	16QAM	50	24	10.41	10.25	10.21								
20	16QAM	50	50	10.37	10.23	10.19	20	0						
20	16QAM	100	0	10.40	10.22	10.24								
20	84QAM	1	0	10.31	10.12	10.24								
20	84QAM	1	49	10.30	10.13	10.20	20	0						
20	84QAM	1	99	10.28	10.13	10.24								
20	84QAM	50	0	10.31	10.14	10.20								
20	84QAM	50	24	10.26	10.17	10.21	20	0						
20	84QAM	50	50	10.28	10.18	10.21								
20	84QAM	100	0	10.27	10.21	10.25								
20	256QAM	1	49	10.32	10.42	10.34	19	1.5						
20	256QAM	1	99	10.27	10.35	10.31								
20	256QAM	50	0	10.27	10.41	10.36								
20	256QAM	50	24	10.28	10.34	10.29	19	1.5						
20	256QAM	50	50	10.22	10.30	10.25								
20	256QAM	100	0	10.30	10.30	10.30								
Channel														
Frequency (MHz)														
15	QPSK	1	0	10.36	10.21	10.25	20	0						
15	QPSK	1	37	10.32	10.23	10.21								
15	QPSK	1	74	10.28	10.19	10.14								
15	QPSK	36	0	10.33	10.15	10.18	20	0						
15	QPSK	36	20	10.24	10.17	10.18								
15	QPSK	36	39	10.23	10.18	10.18								
15	16QAM	1	49	10.30	10.19	10.11	20	0						
15	16QAM	1	0	10.19	10.18	10.14								
15	16QAM	1	37	10.21	10.17	10.10								
15	16QAM	1	74	10.18	10.14	10.10	20	0						
15	16QAM	36	0	10.23	10.05	10.09								
15	16QAM	36	20	10.34	10.15	10.11								
15	16QAM	36	39	10.30	10.15	10.10	20	0						
15	16QAM	75	0	10.32	10.12	10.15								
15	84QAM	1	0	10.21	10.07	10.16	20	0						
15	84QAM	1	37	10.26	10.09	10.11								
15	84QAM	1	74	10.22	10.13	10.10								
15	84QAM	36	0	10.21	10.08	10.12	20	0						
15	84QAM	36	20	10.21	10.08	10.10								
15	84QAM	36	39	10.23	10.10	10.10								
15	84QAM	75	0	10.18	10.15	10.10	20	0						
15	256QAM	1	0	10.29	10.15	10.12								
15	256QAM	1	37	10.24	10.33	10.29								
15	256QAM	1	74	10.19	10.26	10.25	19	1.5						
15	256QAM	36	0	10.32	10.34	10.31								
15	256QAM	36	20	10.23	10.27	10.20								
15	256QAM	36	39	10.13	10.25	10.16	19	1.5						
15	256QAM	75	0	10.20	10.18	10.15								
15	256QAM	75	0	10.20	10.18	10.15								
Channel														
Frequency (MHz)														
10	QPSK	1	0	10.33	10.20	10.23	20	0						
10	QPSK	1	25	10.34	10.19	10.21								
10	QPSK	1	49	10.29	10.21	10.15								
10	QPSK	12	0	10.33	10.14	10.14	20	0						
10	QPSK	12	12	10.22	10.21	10.14								
10	QPSK	25	12	10.22	10.17	10.17								
10	QPSK	25	26	10.21	10.17	10.17	20	0						
10	QPSK	50	0	10.35	10.19	10.11								
10	16QAM	1	0	10.21	10.20	10.11								
10	16QAM	1	25	10.21	10.15	10.08	20	0						
10	16QAM	1	49	10.22	10.18	10.10								
10	16QAM	1	74	10.18	10.14	10.10								
10	16QAM	25	0	10.23	10.05	10.05	20	0						
10	16QAM	25	12	10.35	10.15	10.15								
10	16QAM	25	26	10.23	10.11	10.16								
10	84QAM	1	0	10.34	10.13	10.18	20	0						
10	84QAM	1	0	10.26	10.02	10.15								
10	84QAM	1	25	10.24	10.04	10.10								
10	84QAM	1	49	10.21	10.10	10.18	20	0						
10	84QAM	25	0	10.22	10.04	10.10								
10	84QAM	25	12	10.20	10.09	10.07								
10	84QAM	25	26	10.23	10.11	10.16	20	0						
10	84QAM	50	0	10.22	10.16	10.10								
10	84QAM	50	0	10.30	10.34	10.33								
10	256QAM	1	0	10.22	10.16	10.10	19	1.5						
10	256QAM	1	25	10.25	10.30	10.29								
10	256QAM	1	49	10.17	10.27	10.21								
10	256QAM	12	0	10.18	10.25	10.17	19	1.5						
10	256QAM	25	12	10.20	10.27	10.22								
10	256QAM	25	26	10.12	10.20	10.20								
10	256QAM	50	0	10.21	10.31	10.30	19	1.5						
10	256QAM	50	0	10.21	10.31	10.30								
10	256QAM	50	0	10.21	10.31	10.30								
Channel														
Frequency (MHz)														
5	QPSK	1	0	10.35	10.20	10.23	20	0						
5	QPSK	1	12	10.33	10.18	10.19								
5	QPSK	1	24	10.27	10.20	10.12								
5	QPSK	12	0	10.37	10.17	10.18	20	0						
5	QPSK	12	7	10.22	10.18	10.17								
5	QPSK	12	13	10.21	10.18	10.19								
5	QPSK	25	0	10.31	10.15	10.11	20	0						
5	16QAM	1	0	10.20	10.17	10.11								
5	16QAM	1	12	10.23	10.17	10.11								
5	16QAM	1	24	10.23	10.15	10.14	20	0						
5	16QAM	12	0	10.25	10.03	10.07								
5	16QAM	12	7	10.31	10.15	10.11								
5	16QAM	12	13	10.30	10.15	10.10	20	0						
5	16QAM	25	0	10.30	10.13	10.17								
5	16QAM	1	0	10.23	10.07	10.19								
5	84QAM	1	12	10.26	10.08	10.18	20	0						
5	84QAM	1	24	10.21	10.04	10.17	20	0						
5	84QAM	1	49	10.21	10.04	10.17								
5	84QAM	12	7	10.20	10.11	10.09								
5	84QAM	12	13	10.21	10.10	10.10	20	0						
5	84QAM	25	0	10.20	10.15	10.15								
5	256QAM	1	0	10.30	10.37	10.29								
5	256QAM	1	12	10.28	10.32	10.26	19	1.5						
5	256QAM	1	24	10.18	10.28	10.28								
5	256QAM	12	0	10.18	10.24	10.19								
5	256QAM	12	12	10.22	10.24	10.18	19	1.5						
5	256QAM	25	12	10.18	10.21	10.19								
5	256QAM	25	26	10.24	10.30	10.25								
Channel														
Frequency (MHz)														
3	QPSK	1	0	10.36	10.22	10.23	20	0						
3	QPSK	1	12	10.33	10.18	10.19								
3	QPSK	1	14	10.27	10.27	10.13								
3	QPSK	8	0	10.36	10.19	10.22	20	0						
3	QPSK	8	8	10.30	10.17	10.17								
3	QPSK	8	7	10.23	10.19	10.15								
3	QPSK	15	0	10.26	10.17	10.11	20	0						
3	16QAM	1	0	10.17	10.11	10.11								
3	16QAM	1	8	10.20	10.18	10.10								
3	16QAM	1	14	10.23	10.17	10.13	20	0						
3	16QAM	8	0	10.26	10.07	10.07								
3	16QAM	8	4	10.31	10.18	10.12								
3	84QAM	1	7	10.26	10.13	10.10	20	0						
3	84QAM	1	14	10.23	10.12	10.12								
3	84QAM	1	0	10.23	10.08	10.18								
3	84QAM	1	8	10.23	10.08	10.14	20	0						
3	84QAM	8	0	10.26	10.04	10.15								
3	84QAM	8	4	10.31	10.08	10.14								
3	84QAM	15	0	10.18	10.11	10.18	20	0						
3	84QAM	1	0	10.29	10.32	10.28								
3	84QAM	1	8	10.23	10.19	10.19								
3	256QAM	1	0	10.32	10.39	10.31	19	1.5						
3	256QAM	1	8	10.22	10.29	10.22								
3	256QAM	1	14	10.24	10.34	10.29								
3	256QAM	8	4	10.20	10.24	10.23	19	1.5						
3	256QAM	8	7	10.12	10.20	10.16								
3	256QAM	8	14	10.23	10.29	10.25								

Band 30_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up (dB)	MPE (dB)	
Channel									
27715									
Frequency (MHz)									
10	QPSK	1	0	18.29			17.5	0	
10	QPSK	1	25	18.31					
10	QPSK	1	49	18.29					
10	QPSK	25	0	18.30			17.5	0	
10	QPSK	25	12	18.27					
10	QPSK	25	25	18.22					
10	16QAM	1	0	18.25			17.5	0	
10	16QAM	1	25	18.28					
10	16QAM	1	49	18.26					
10	16QAM	25	0	18.26			17.5	0	
10	16QAM	25	12	18.27					
10	16QAM	25	25	18.23					
10	16QAM	50	0	18.25			17.5	0	
10	64QAM	1	0	18.27					
10	64QAM	1	25	18.29					
10	64QAM	1	49	18.27			17.5	0	
10	64QAM	25	0	18.22					
10	64QAM	25	12	18.23					
10	64QAM	25	25	18.29			17.5	0	
10	64QAM	50	0	18.26					
10	256QAM	1	0	18.28					
10	256QAM	1	25	18.26			17.5	0	
10	256QAM	1	49	18.22					
10	256QAM	25	0	18.10					
10	256QAM	25	12	18.12			17.5	0	
10	256QAM	25	25	18.18					
10	256QAM	50	0	18.09					
Channel									
Frequency (MHz)				27685	27715	27735	Tune-up (dB)	MPE (dB)	
5	QPSK	1	0	18.23	18.24	18.26	17.5	0	
5	QPSK	1	12	18.22	18.21	18.23			
5	QPSK	1	24	18.20	18.18	18.18			
5	QPSK	12	0	18.22	18.21	18.24	17.5	0	
5	QPSK	12	7	18.21	18.17	18.22			
5	QPSK	12	13	18.14	18.15	18.13			
5	16QAM	1	0	18.20	18.17	18.20	17.5	0	
5	16QAM	1	0	18.19	18.17	18.17			
5	16QAM	1	12	18.19	18.20	18.20			
5	16QAM	1	24	18.22	18.20	18.18	17.5	0	
5	16QAM	12	0	18.17	18.18	18.18			
5	16QAM	12	7	18.21	18.20	18.19			
5	16QAM	12	13	18.14	18.17	18.18	17.5	0	
5	16QAM	25	0	18.20	18.18	18.18			
5	64QAM	1	0	18.20	18.22	18.18			
5	64QAM	1	12	18.23	18.19	18.20	17.5	0	
5	64QAM	1	24	18.20	18.21	18.19			
5	64QAM	12	0	18.16	18.15	18.14			
5	64QAM	12	7	18.20	18.19	18.20	17.5	0	
5	64QAM	12	13	18.20	18.20	18.20			
5	64QAM	25	0	18.21	18.19	18.21			
5	256QAM	1	0	18.24	18.21	18.22	17.5	0	
5	256QAM	1	12	18.17	18.18	18.18			
5	256QAM	1	24	18.12	18.16	18.13			
5	256QAM	12	0	18.00	18.00	18.05	17.5	0	
5	256QAM	12	7	18.08	18.09	18.05			
5	256QAM	12	13	18.00	18.07	18.08			
5	256QAM	25	0	18.04	18.03	18.04	17.5	0	
5	256QAM	25	0	18.04	18.03	18.04			
5	256QAM	25	0	18.04	18.03	18.04			

Band 66_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.11	18.09	18.09	20	0	
20	QPSK	1	49	18.00	18.06	18.05			
20	QPSK	1	99	18.04	18.08	18.08			
20	QPSK	50	0	18.09	18.06	18.07	20	0	
20	QPSK	50	24	18.02	18.03	18.79			
20	QPSK	50	50	18.08	18.04	18.05			
20	QPSK	100	0	18.07	18.01	18.03	20	0	
20	16QAM	1	0	18.05	18.03	18.03			
20	16QAM	1	49	18.04	18.01	18.02			
20	16QAM	50	0	18.06	18.06	18.06	20	0	
20	16QAM	50	24	18.06	18.06	18.79			
20	16QAM	50	50	18.04	18.03	18.76			
20	16QAM	100	0	18.06	18.04	18.79	20	0	
20	64QAM	1	0	18.00	18.06	18.79			
20	64QAM	1	49	18.06	18.00	18.07			
20	64QAM	50	0	18.00	18.06	18.09	20	0	
20	64QAM	50	24	18.00	18.06	18.09			
20	64QAM	50	50	18.07	18.04	18.01			
20	256QAM	1	0	18.02	18.09	18.02	19	1	
20	256QAM	1	49	18.09	18.03	18.29			
20	256QAM	1	99	18.28	18.35	18.30			
20	256QAM	50	0	18.23	18.30	18.29	19	1	
20	256QAM	50	24	18.21	18.28	18.21			
20	256QAM	50	50	18.26	18.34	18.29			
20	256QAM	100	0	18.28	18.34	18.29	19	1	
20	256QAM	100	0	18.28	18.34	18.29			
20	256QAM	100	0	18.28	18.34	18.29			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.09	18.00	18.08	20	0	
15	QPSK	1	37	18.06	18.00	18.00			
15	QPSK	1	74	18.01	18.01	18.50			
15	QPSK	36	0	18.01	18.08	18.05	20	0	
15	QPSK	36	20	18.79	18.07	18.79			
15	QPSK	36	39	18.04	18.08	18.03			
15	16QAM	1	0	18.07	18.07	18.08	20	0	
15	16QAM	1	0	18.07	18.08	18.08			
15	16QAM	1	37	18.08	18.03	18.01			
15	16QAM	1	74	18.05	18.06	18.04	20	0	
15	16QAM	36	0	18.02	18.02	18.01			
15	16QAM	36	20	18.05	18.09	18.02			
15	16QAM	36	39	18.00	18.05	18.01	20	0	
15	16QAM	75	0	18.07	18.03	18.05			
15	64QAM	1	0	18.08	18.79	18.03	20	0	
15	64QAM	1	37	18.08	18.79	18.01			
15	64QAM	1	74	18.02	18.03	18.03			
15	64QAM	36	0	18.78	18.04	18.76	20	0	
15	64QAM	36	20	18.05	18.09	18.02			
15	64QAM	36	39	18.02	18.05	18.00			
15	64QAM	75	0	18.04	18.06	18.00	19	1	
15	256QAM	1	0	18.26	18.21	18.21			
15	256QAM	1	37	18.25	18.21	18.12			
15	256QAM	1	74	18.15	18.12	18.11	19	1	
15	256QAM	36	0	18.03	18.16	18.14			
15	256QAM	36	20	18.12	18.05	18.11			
15	256QAM	36	39	18.22	18.13	18.24	19	1	
15	256QAM	75	0	18.20	18.27	18.17			
15	256QAM	75	0	18.20	18.27	18.17			
Channel									
Frequency (MHz)									
5	QPSK	1	0	18.07	18.06	18.05	20	0	
5	QPSK	1	12	18.00	18.08	18.07			
5	QPSK	1	49	18.02	18.03	18.00			
5	QPSK	12	0	18.01	18.04	18.02	20	0	
5	QPSK	12	7	18.04	18.02	18.03			
5	QPSK	12	24	18.05	18.01	18.03			
5	QPSK	25	0	18.08	18.04	18.05	20	0	
5	QPSK	25	0	18.08	18.04	18.05			
5	QPSK	25	0	18.08	18.04	18.05			
5	16QAM	1	0	18.01	18.09	18.02	20	0	
5	16QAM	1	12	18.05	18.08	18.02			
5	16QAM	1	24	18.02	18.08	18.03			
5	16QAM	12	0	18.05	18.01	18.05	20	0	
5	16QAM	12	7	18.04	18.03	18.01			
5	16QAM	12	24	18.02	18.08	18.03			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08	20	0	
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08	18.08	18.08			
5	16QAM	25	0	18.08</					

Band 41_Ant 8										
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	19.9	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.75	18.97	18.85	18.71	18.91	19.9	0
20	QPSK	1	49	18.87	19.02	18.93	18.81	18.99		
20	QPSK	1	99	18.99	19.17	19.05	18.90	19.14		
20	QPSK	50	0	18.93	19.13	19.00	18.88	19.08		
20	QPSK	50	24	18.92	19.07	18.98	18.85	19.06	19.9	0
20	QPSK	50	50	18.83	19.00	18.90	18.77	18.97		
20	QPSK	100	0	18.82	18.98	18.87	18.73	18.94		
20	16QAM	1	0	18.72	18.89	18.77	18.67	18.90		
20	16QAM	1	49	18.80	18.98	18.85	18.73	18.94	19.9	0
20	16QAM	1	99	18.90	19.10	18.99	18.86	19.09		
20	16QAM	50	0	18.81	18.99	18.90	18.78	18.97		
20	16QAM	50	24	18.64	18.84	18.72	18.59	18.79		
20	16QAM	50	50	18.68	18.82	18.74	18.59	18.82	19.9	0
20	16QAM	100	0	18.68	18.87	18.75	18.64	18.81		
20	64QAM	1	0	18.73	18.88	18.79	18.64	18.89		
20	64QAM	1	49	18.83	18.99	18.88	18.78	18.97		
20	64QAM	1	99	18.89	19.07	18.99	18.85	19.05	19.9	0
20	64QAM	50	0	18.86	18.95	18.94	18.79	18.85		
20	64QAM	50	24	18.63	18.84	18.73	18.58	18.81		
20	64QAM	50	50	18.58	18.74	18.65	18.54	18.74		
20	64QAM	100	0	18.54	18.70	18.59	18.48	18.68	19	0.9
20	256QAM	1	0	17.40	17.55	17.45	17.37	17.53		
20	256QAM	1	49	17.34	17.45	17.36	17.30	17.44		
20	256QAM	1	99	17.33	17.50	17.38	17.29	17.48		
20	256QAM	50	0	17.50	17.66	17.46	17.35	17.60	19	0.9
20	256QAM	50	24	17.43	17.60	17.41	17.30	17.55		
20	256QAM	50	50	17.43	17.58	17.39	17.29	17.55		
20	256QAM	100	0	17.45	17.60	17.39	17.28	17.53		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	19.9	0
15	QPSK	1	0	18.67	18.91	18.78	18.65	18.81		
15	QPSK	1	37	18.81	18.92	18.86	18.71	18.89	19.9	0
15	QPSK	1	74	18.90	19.08	18.98	18.80	19.07		
15	QPSK	36	0	18.86	19.05	18.95	18.80	19.02		
15	QPSK	36	20	18.82	18.97	18.90	18.78	18.97		
15	QPSK	36	39	18.74	18.90	18.81	18.72	18.88	19.9	0
15	QPSK	75	0	18.77	18.92	18.78	18.63	18.86		
15	16QAM	1	0	18.64	18.83	18.71	18.57	18.77		
15	16QAM	1	37	18.71	18.93	18.75	18.66	18.84		
15	16QAM	1	74	18.80	19.04	18.89	18.77	18.99	19.9	0
15	16QAM	36	0	18.72	18.90	18.80	18.72	18.91		
15	16QAM	36	20	18.59	18.78	18.65	18.49	18.73		
15	16QAM	36	39	18.59	18.73	18.66	18.54	18.72		
15	16QAM	75	0	18.61	18.82	18.65	18.59	18.72	19.9	0
15	64QAM	1	0	18.66	18.81	18.70	18.57	18.79		
15	64QAM	1	37	18.76	18.93	18.80	18.69	18.90		
15	64QAM	1	74	18.83	18.98	18.91	18.77	18.96		
15	64QAM	36	0	18.78	18.90	18.86	18.74	18.80	19.9	0
15	64QAM	36	20	18.56	18.77	18.64	18.50	18.76		
15	64QAM	36	39	18.48	18.64	18.60	18.47	18.65		
15	64QAM	75	0	18.46	18.61	18.51	18.42	18.59		
15	256QAM	1	0	17.40	17.46	17.40	17.29	17.47	19	0.9
15	256QAM	1	37	17.36	17.37	17.31	17.25	17.39		
15	256QAM	1	74	17.31	17.43	17.32	17.22	17.39		
15	256QAM	36	0	17.44	17.60	17.40	17.28	17.50		
15	256QAM	36	20	17.43	17.52	17.32	17.24	17.50	19	0.9
15	256QAM	36	39	17.44	17.49	17.32	17.24	17.49		
15	256QAM	75	0	17.48	17.53	17.32	17.20	17.43		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	19.9	0
10	QPSK	1	0	18.68	18.89	18.76	18.62	18.86		
10	QPSK	1	25	18.78	18.93	18.86	18.76	18.94	19.9	0
10	QPSK	1	49	18.92	19.09	18.96	18.85	19.07		
10	QPSK	25	0	18.87	19.04	18.93	18.82	19.02		
10	QPSK	25	12	18.83	19.02	18.92	18.76	18.99	19.9	0
10	QPSK	25	25	18.74	18.95	18.85	18.67	18.92		
10	QPSK	50	0	18.72	18.92	18.79	18.64	18.85		
10	16QAM	1	0	18.65	18.79	18.72	18.62	18.76		
10	16QAM	1	25	18.71	18.89	18.76	18.64	18.84	19.9	0
10	16QAM	1	49	18.81	19.02	18.92	18.80	19.03		
10	16QAM	25	0	18.74	18.93	18.81	18.68	18.92		
10	16QAM	25	12	18.55	18.75	18.65	18.50	18.73		
10	16QAM	25	25	18.62	18.74	18.64	18.53	18.74	19.9	0
10	16QAM	50	0	18.63	18.80	18.66	18.59	18.75		
10	64QAM	1	0	18.66	18.78	18.71	18.58	18.83		
10	64QAM	1	25	18.77	18.89	18.81	18.72	18.90		
10	64QAM	1	49	18.79	18.98	18.90	18.80	18.96	19.9	0
10	64QAM	25	0	18.80	18.86	18.86	18.69	18.78		
10	64QAM	25	12	18.58	18.77	18.66	18.51	18.71		
10	64QAM	25	25	18.48	18.68	18.58	18.48	18.64		
10	64QAM	50	0	18.49	18.63	18.54	18.40	18.62	19	0.9
10	256QAM	1	0	17.40	17.47	17.40	17.31	17.43		
10	256QAM	1	25	17.37	17.38	17.27	17.23	17.39		
10	256QAM	1	49	17.29	17.41	17.29	17.24	17.39		
10	256QAM	25	0	17.49	17.57	17.40	17.30	17.51	19	0.9
10	256QAM	25	12	17.41	17.53	17.34	17.23	17.50		
10	256QAM	25	25	17.36	17.50	17.30	17.19	17.49		
10	256QAM	50	0	17.45	17.50	17.29	17.21	17.45		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	19.9	0
5	QPSK	1	0	18.70	18.91	18.77	18.65	18.83		
5	QPSK	1	12	18.77	18.92	18.87	18.76	18.91	19.9	0
5	QPSK	1	24	18.90	19.11	18.96	18.85	19.07		
5	QPSK	12	0	18.84	19.04	18.94	18.83	19.03		
5	QPSK	12	7	18.85	18.98	18.88	18.75	18.96	19.9	0
5	QPSK	12	13	18.73	18.91	18.80	18.70	18.92		
5	QPSK	25	0	18.73	18.93	18.77	18.65	18.85		
5	16QAM	1	0	18.65	18.84	18.70	18.57	18.74		
5	16QAM	1	12	18.72	18.91	18.78	18.65	18.83	19.9	0
5	16QAM	1	24	18.85	19.04	18.93	18.79	19.03		
5	16QAM	12	0	18.72	18.89	18.83	18.70	18.92		
5	16QAM	12	7	18.57	18.78	18.63	18.49	18.69		
5	16QAM	12	13	18.63	18.74	18.67	18.51	18.74	19.9	0
5	16QAM	25	0	18.60	18.77	18.65	18.56	18.74		
5	64QAM	1	0	18.68	18.79	18.69	18.58	18.80		
5	64QAM	1	12	18.78	18.90	18.80	18.69	18.92		
5	64QAM	1	24	18.81	19.02	18.94	18.78	18.95	19.9	0
5	64QAM	12	0	18.76	18.90	18.88	18.70	18.78		
5	64QAM	12	7	18.54	18.79	18.68	18.53	18.75		
5	64QAM	12	13	18.51	18.65	18.56	18.44	18.68		
5	64QAM	25	0	18.45	18.62	18.51	18.39	18.63	19	0.9
5	256QAM	1	0	17.40	17.48	17.37	17.27	17.46		
5	256QAM	1	12	17.28	17.36	17.30	17.22	17.38		
5	256QAM	1	24	17.35	17.45	17.28	17.23	17.42	19	0.9
5	256QAM	12	0	17.51	17.57	17.41	17.26	17.52		
5	256QAM	12	7	17.41	17.55	17.34	17.21	17.47		
5	256QAM	12	13	17.37	17.52	17.32	17.19	17.48		
5	256QAM	25	0	17.40	17.53	17.29	17.18	17.48		

Band 48_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	17.20	17.23	17.24	17.41	18	0	
20	QPSK	1	49	17.19	17.19	17.33	17.41			
20	QPSK	1	99	17.43	17.46	17.30	17.22			
20	QPSK	50	0	17.41	17.44	17.28	17.20			
20	QPSK	50	24	17.23	17.35	17.38	17.33	18	0	
20	QPSK	50	50	17.11	17.29	17.39	17.30			
20	QPSK	100	0	17.33	17.36	17.26	17.17			
20	16QAM	1	0	17.27	17.33	17.25	17.10			
20	16QAM	1	49	17.19	17.34	17.23	17.09	18	0	
20	16QAM	1	99	17.18	17.33	17.06	17.15			
20	16QAM	50	0	17.23	17.34	17.15	17.12			
20	16QAM	50	24	17.15	17.32	17.13	17.05			
20	16QAM	50	50	17.13	17.18	17.07	17.00	18	0	
20	16QAM	100	0	17.13	17.24	17.12	17.12			
20	64QAM	1	0	17.31	17.33	17.16	17.01			
20	64QAM	1	49	17.23	17.29	17.19	17.17			
20	64QAM	1	99	17.18	17.21	17.21	17.10	18	0	
20	64QAM	50	0	17.31	17.18	17.09	17.15			
20	64QAM	50	24	17.19	17.26	17.08	17.15			
20	64QAM	50	50	17.22	17.20	17.22	17.07			
20	64QAM	100	0	17.32	17.34	17.26	17.04	18	0	
20	256QAM	1	0	17.28	17.17	17.16	17.03			
20	256QAM	1	49	17.13	17.34	17.17	17.12			
20	256QAM	1	99	17.20	17.20	17.07	17.10			
20	256QAM	50	0	17.23	17.24	17.19	17.12	18	0	
20	256QAM	50	24	17.31	17.19	17.11	16.98			
20	256QAM	50	50	17.14	17.16	17.18	16.99			
20	256QAM	100	0	17.27	17.16	17.07	17.06			
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3608	3642	3692.5			
15	QPSK	1	0	17.17	17.17	17.18	17.20	18	0	
15	QPSK	1	37	17.08	17.07	17.12	17.08			
15	QPSK	1	74	17.44	17.39	17.39	17.38			
15	QPSK	36	0	17.30	17.32	17.31	17.31			
15	QPSK	36	20	17.33	17.29	17.23	17.29	18	0	
15	QPSK	36	39	17.28	17.23	17.20	17.16			
15	QPSK	75	0	17.34	17.27	17.26	17.25			
15	16QAM	1	0	17.23	17.30	17.22	17.29			
15	16QAM	1	37	17.20	17.28	17.30	17.27	18	0	
15	16QAM	1	74	17.20	17.31	17.29	17.23			
15	16QAM	36	0	17.32	17.28	17.24	17.22			
15	16QAM	36	20	17.26	17.24	17.23	17.25			
15	16QAM	36	39	17.04	17.08	17.14	17.05	18	0	
15	16QAM	75	0	17.18	17.16	17.10	17.13			
15	64QAM	1	0	17.30	17.26	17.27	17.26			
15	64QAM	1	37	17.21	17.21	17.26	17.23			
15	64QAM	1	74	17.11	17.16	17.14	17.16	18	0	
15	64QAM	36	0	17.08	17.14	17.07	17.15			
15	64QAM	36	20	17.19	17.19	17.12	17.21			
15	64QAM	36	39	17.12	17.11	17.12	17.09			
15	64QAM	75	0	17.25	17.29	17.32	17.22	18	0	
15	256QAM	1	0	17.12	17.04	17.12	17.12			
15	256QAM	1	37	17.24	17.17	17.20	17.26			
15	256QAM	1	74	17.11	17.13	17.12	17.15			
15	256QAM	36	0	17.22	17.18	17.12	17.11	18	0	
15	256QAM	36	20	17.11	17.05	17.15	17.01			
15	256QAM	36	39	17.07	17.07	16.99	17.07			
15	256QAM	75	0	16.98	17.07	17.15	17.12			
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	17.12	17.14	17.17	17.09	18	0	
10	QPSK	1	25	17.14	17.08	17.11	17.17			
10	QPSK	1	49	17.41	17.41	17.36	17.40			
10	QPSK	25	0	17.35	17.43	17.41	17.31			
10	QPSK	25	12	17.27	17.25	17.32	17.27	18	0	
10	QPSK	25	25	17.20	17.19	17.21	17.20			
10	QPSK	50	0	17.30	17.30	17.31	17.34			
10	16QAM	1	0	17.28	17.27	17.26	17.32			
10	16QAM	1	25	17.29	17.20	17.24	17.25	18	0	
10	16QAM	1	49	17.32	17.19	17.21	17.24			
10	16QAM	25	0	17.24	17.33	17.25	17.21			
10	16QAM	25	12	17.24	17.24	17.19	17.30			
10	16QAM	25	25	17.12	17.11	17.14	17.08	18	0	
10	16QAM	50	0	17.20	17.22	17.10	17.23			
10	64QAM	1	0	17.32	17.19	17.24	17.22			
10	64QAM	1	25	17.18	17.21	17.24	17.20			
10	64QAM	1	49	17.07	17.11	17.08	17.16	18	0	
10	64QAM	25	0	17.15	17.06	17.06	17.13			
10	64QAM	25	12	17.20	17.23	17.20	17.24			
10	64QAM	25	25	17.09	17.10	17.13	17.10			
10	64QAM	50	0	17.33	17.30	17.21	17.32	18	0	
10	256QAM	1	0	17.08	17.09	17.03	17.07			
10	256QAM	1	25	17.16	17.29	17.23	17.23			
10	256QAM	1	49	17.12	17.11	17.00	17.00			
10	256QAM	25	0	17.06	17.09	17.17	17.07	18	0	
10	256QAM	25	12	17.03	17.17	17.01	17.08			
10	256QAM	25	25	17.00	17.09	16.97	17.02			
10	256QAM	50	0	17.06	17.09	17.10	17.12			
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	17.19	17.10	17.18	17.12	18	0	
5	QPSK	1	12	17.15	17.14	17.12	17.05			
5	QPSK	1	24	17.33	17.41	17.43	17.35			
5	QPSK	12	0	17.30	17.38	17.31	17.40			
5	QPSK	12	7	17.34	17.32	17.30	17.27	18	0	
5	QPSK	12	13	17.28	17.17	17.17	17.27			
5	QPSK	25	0	17.34	17.29	17.33	17.34			
5	16QAM	1	0	17.31	17.20	17.24	17.21			
5	16QAM	1	12	17.30	17.33	17.21	17.22	18	0	
5	16QAM	1	24	17.29	17.19	17.24	17.29			
5	16QAM	12	0	17.30	17.21	17.26	17.26			
5	16QAM	12	7	17.30	17.23	17.23	17.18			
5	16QAM	12	13	17.15	17.17	17.09	17.15	18	0	
5	16QAM	25	0	17.14	17.17	17.20	17.22			
5	64QAM	1	0	17.23	17.23	17.30	17.29			
5	64QAM	1	12	17.16	17.17	17.26	17.21			
5	64QAM	1	24	17.10	17.14	17.19	17.10	18	0	
5	64QAM	12	0	17.15	17.13	17.09	17.10			
5	64QAM	12	7	17.14	17.20	17.24	17.12			
5	64QAM	12	13	17.15	17.15	17.10	17.10			
5	64QAM	25	0	17.28	17.26	17.33	17.32	18	0	
5	256QAM	1	0	17.13	17.10	17.08	17.13			
5	256QAM	1	12	17.33	17.33	17.23	17.21			
5	256QAM	1	24	17.04	17.01	17.17	17.14			
5	256QAM	12	0	17.23	17.11	17.08	17.21	18	0	
5	256QAM	12	7	17.02	17.09	16.99	17.15			
5	256QAM	12	13	17.00	17.12	17.15	17.06			
5	256QAM	25	0	17.15	17.06	17.04	17.05			

DSI6 & DSI6 Sim-Tx

GSM1900_Ant 1	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	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8	30.00	1850.2	1880	1909.8	30.00
GSM 1 Tx slot	29.45	29.05	29.50	30.00	20.45	20.05	20.50	21.00
GPRS 1 Tx slot	29.43	29.10	29.52	30.00	20.43	20.10	20.52	21.00
GPRS 2 Tx slots	26.77	26.40	26.84	27.50	20.77	20.40	20.84	21.50
GPRS 3 Tx slots	24.80	24.52	24.96	26.00	20.54	20.26	20.70	21.74
GPRS 4 Tx slots	23.66	23.32	23.80	24.50	20.66	20.32	20.80	21.50
EDGE 1 Tx slot	25.81	25.59	25.88	27.00	16.81	16.59	16.88	18.00
EDGE 2 Tx slots	24.79	24.78	24.83	25.50	18.79	18.78	18.83	19.50
EDGE 3 Tx slots	23.23	22.90	23.06	24.50	18.97	18.64	18.80	20.24
EDGE 4 Tx slots	21.52	21.38	21.29	22.50	18.52	18.38	18.28	19.50

Band		WCDMA II_Ant 1			Tune-up Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)
TX Channel		9262	9400	9638		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	20.80	20.69	20.77	21.50	21.54	21.36	21.51	22.50
3GPP Rel 99	RMC 12.2Kbps	20.83	20.71	20.80	21.50	21.63	21.44	21.69	22.50
3GPP Rel 6	HSDPA Subtest-1	19.83	19.83	19.88	20.50	20.65	20.46	20.72	21.50
3GPP Rel 6	HSDPA Subtest-2	19.83	19.82	19.83	20.50	20.65	20.51	20.75	21.50
3GPP Rel 6	HSDPA Subtest-3	19.38	19.33	19.32	20.00	20.13	19.96	20.23	21.00
3GPP Rel 6	HSDPA Subtest-4	19.37	19.35	19.38	20.00	20.14	19.97	20.20	21.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.83	19.70	19.77	20.50	20.75	20.78	20.75	21.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.85	19.83	19.84	20.50	20.72	20.73	20.66	21.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.47	19.36	19.33	20.00	20.33	20.31	20.26	21.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.50	19.46	19.42	20.00	20.23	20.24	20.28	21.00
3GPP Rel 6	HSUPA Subtest-1	19.84	19.81	19.91	20.50	20.47	20.43	20.69	21.50
3GPP Rel 6	HSUPA Subtest-2	17.84	17.83	17.92	18.50	18.55	18.44	18.65	19.50
3GPP Rel 6	HSUPA Subtest-3	18.29	18.87	18.96	19.50	19.65	19.70	19.72	20.50
3GPP Rel 6	HSUPA Subtest-4	17.84	17.81	17.81	18.50	18.53	18.65	18.69	19.50
3GPP Rel 6	HSUPA Subtest-5	19.80	19.70	19.80	20.50	20.50	20.30	20.70	21.50



Band 2_Ant 1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 18700	Power High Ch./Freq. 18800	Power High Ch./Freq. 18900	Turn-up time (sec)	MFR (dB)						
Channel														
1867.5 1880 1892.5														
20	QPSK	1	0	19.93	19.80	19.72	21	0						
20	QPSK	1	49	19.78	19.67	19.62								
20	QPSK	1	99	19.81	19.59	19.84	21	0						
20	QPSK	50	0	19.69	19.59	19.55								
20	QPSK	50	24	19.68	19.57	19.52	21	0						
20	QPSK	50	50	19.66	19.56	19.50								
20	QPSK	100	0	19.67	19.56	19.49	21	0						
20	16QAM	1	0	19.72	19.58	19.49								
20	16QAM	1	49	19.66	19.56	19.46	21	0						
20	16QAM	1	99	19.68	19.54	19.47								
20	16QAM	50	0	19.70	19.59	19.50	21	0						
20	16QAM	50	24	19.60	19.50	19.45								
20	16QAM	50	50	19.64	19.54	19.46	21	0						
20	16QAM	100	0	19.69	19.56	19.50								
20	64QAM	1	0	19.64	19.54	19.45	21	0						
20	64QAM	1	49	19.68	19.56	19.46								
20	64QAM	50	0	19.69	19.55	19.46	21	0						
20	64QAM	50	24	19.67	19.55	19.46								
20	64QAM	50	50	19.72	19.56	19.51	19	2						
20	64QAM	100	0	19.63	19.40	19.35								
20	256QAM	1	0	18.50	18.41	18.36	19	2						
20	256QAM	1	99	18.51	18.46	18.36								
20	256QAM	50	0	18.38	18.30	18.22	19	2						
20	256QAM	50	24	18.32	18.25	18.25								
20	256QAM	50	50	18.35	18.26	18.23	19	2						
20	256QAM	100	0	18.35	18.27	18.24								
Channel														
1867.5 1880 1892.5														
15	QPSK	1	0	19.91	19.92	19.79	21	0						
15	QPSK	1	31	19.84	19.71	19.73								
15	QPSK	1	74	19.70	19.80	19.78	21	0						
15	QPSK	36	0	19.58	19.66	19.64								
15	QPSK	36	25	19.54	19.64	19.64	21	0						
15	QPSK	36	39	19.60	19.61	19.57								
15	QPSK	75	0	19.64	19.53	19.51	21	0						
15	16QAM	1	18	19.69	19.58	19.54								
15	16QAM	1	37	19.54	19.57	19.61	21	0						
15	16QAM	1	74	19.60	19.58	19.54								
15	16QAM	36	0	19.64	19.63	19.58	21	0						
15	16QAM	36	20	19.57	19.48	19.48								
15	16QAM	36	25	19.56	19.48	19.48	21	0						
15	16QAM	75	0	19.62	19.43	19.41								
15	64QAM	1	0	19.57	19.50	19.50	21	0						
15	64QAM	1	31	19.54	19.60	19.60								
15	64QAM	1	74	19.58	19.55	19.54	21	0						
15	64QAM	36	0	19.67	19.55	19.58								
15	64QAM	36	25	19.56	19.56	19.56	21	0						
15	64QAM	36	39	19.51	19.57	19.57								
15	64QAM	75	0	19.62	19.43	19.41	19	2						
15	256QAM	1	0	19.61	19.47	19.43								
15	256QAM	1	37	19.53	19.40	18.39	19	2						
15	256QAM	1	74	18.32	18.31	18.46								
15	256QAM	36	0	19.60	18.36	18.37	19	2						
15	256QAM	36	20	18.21	18.32	18.39								
15	256QAM	36	39	18.25	18.16	18.28	19	2						
15	256QAM	75	0	18.31	18.31	18.31								
Channel														
1865 1880 1895														
10	QPSK	1	0	19.90	19.90	19.72	21	0						
10	QPSK	1	25	19.73	19.74	19.72								
10	QPSK	1	49	19.75	19.79	19.72	21	0						
10	QPSK	25	0	19.67	19.67	19.53								
10	QPSK	25	12	19.58	19.64	19.64	21	0						
10	QPSK	25	25	19.65	19.56	19.57								
10	QPSK	50	0	19.64	19.56	19.50	21	0						
10	16QAM	1	0	19.63	19.62	19.59								
10	16QAM	1	25	19.67	19.52	19.54	21	0						
10	16QAM	1	49	19.60	19.58	19.53								
10	16QAM	25	0	19.63	19.60	19.57	21	0						
10	16QAM	25	12	19.62	19.57	19.52								
10	16QAM	25	12	19.60	19.54	19.53	21	0						
10	16QAM	50	0	19.62	19.62	19.55								
10	64QAM	1	0	19.60	19.57	19.59	21	0						
10	64QAM	1	25	19.56	19.52	19.54								
10	64QAM	1	49	19.66	19.58	19.61	21	0						
10	64QAM	25	0	19.56	19.57	19.57								
10	64QAM	25	12	19.62	19.58	19.53	21	0						
10	64QAM	50	0	19.42	19.51	19.47								
10	256QAM	1	0	19.47	18.45	18.45	19	2						
10	256QAM	1	25	18.53	18.46	18.42								
10	256QAM	1	49	18.44	18.41	18.45	19	2						
10	256QAM	25	0	19.58	18.32	18.33								
10	256QAM	25	12	18.36	18.38	18.24	19	2						
10	256QAM	25	25	18.17	18.18	18.33								
10	256QAM	50	0	18.33	18.34	18.24	19	2						
Channel														
1862.5 1880 1895														
5	QPSK	1	0	19.83	19.83	19.63			21	0				
5	QPSK	1	12	19.67	19.73	19.73								
5	QPSK	1	24	19.71	19.78	19.69	21	0						
5	QPSK	12	0	19.62	19.67	19.63								
5	QPSK	12	7	19.55	19.54	19.54	21	0						
5	QPSK	12	13	19.57	19.56	19.52								
5	QPSK	25	0	19.63	19.57	19.58	21	0						
5	16QAM	1	0	19.65	19.61	19.59								
5	16QAM	1	12	19.64	19.57	19.65	21	0						
5	16QAM	1	24	19.54	19.52	19.55								
5	16QAM	12	0	19.58	19.60	19.58	21	0						
5	16QAM	12	7	19.50	19.51	19.47								
5	16QAM	12	13	19.51	19.62	19.53	21	0						
5	16QAM	25	0	19.60	19.65	19.68								
5	64QAM	1	0	19.53	19.51	19.43	21	0						
5	64QAM	1	12	19.65	19.67	19.57								
5	64QAM	1	24	19.67	19.62	19.58	21	0						
5	64QAM	12	0	19.60	19.57	19.67								
5	64QAM	12	7	19.60	19.58	19.60	21	0						
5	64QAM	12	13	19.58	19.67	19.62								
5	64QAM	25	0	19.51	19.48	19.46	19							

Band 25_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 1800	Power Middle Ch / Freq. 1800	Power High Ch / Freq. 1800	Turn-up time (sec)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	19.91	19.91	19.95	21	0			
20	QPSK	1	49	19.81	19.79	19.73					
20	QPSK	1	99	19.89	19.89	19.84					
20	QPSK	50	0	19.88	19.87	19.83					
20	QPSK	50	24	19.87	19.72	19.71	21	0			
20	QPSK	50	50	19.82	19.79	19.69					
20	QPSK	100	0	19.69	19.65	19.73					
20	16QAM	1	0	19.73	19.79	19.74					
20	16QAM	1	49	19.75	19.70	19.71	21	0			
20	16QAM	1	99	19.73	19.80	19.74					
20	16QAM	50	0	19.73	19.79	19.76					
20	16QAM	50	24	19.65	19.70	19.66					
20	16QAM	50	50	19.78	19.70	19.75	21	0			
20	16QAM	100	0	19.73	19.79	19.71					
20	64QAM	1	0	19.70	19.75	19.72					
20	64QAM	1	49	19.72	19.78	19.74					
20	64QAM	1	99	19.80	19.82	19.81	21	0			
20	64QAM	50	0	19.71	19.78	19.75					
20	64QAM	50	24	19.71	19.80	19.77					
20	64QAM	50	50	19.65	19.75	19.73					
20	256QAM	1	49	19.48	19.57	19.40	21	0			
20	256QAM	1	99	19.48	19.48	19.44					
20	256QAM	50	0	19.39	19.38	19.33					
20	256QAM	50	24	19.38	19.42	19.31					
20	256QAM	50	50	19.38	19.38	19.35	19	2			
20	256QAM	100	0	19.40	19.41	19.37					
20	256QAM	100	0	19.40	19.41	19.37					
Turn-up time (sec) MPR (dB)											
Channel											
1807.5 1800 1807.5											
Frequency (MHz)											
15	QPSK	1	0	19.83	19.82	19.78	21	0			
15	QPSK	1	37	19.84	19.80	19.83					
15	QPSK	1	74	19.81	19.86	19.76					
15	QPSK	36	0	19.71	19.71	19.69					
15	QPSK	36	36	19.67	19.66	19.64	21	0			
15	QPSK	36	39	19.55	19.68	19.62					
15	QPSK	75	0	19.64	19.69	19.62					
15	16QAM	1	1	19.84	19.75	19.89					
15	16QAM	1	37	19.87	19.70	19.84	21	0			
15	16QAM	1	74	19.85	19.72	19.77					
15	16QAM	36	0	19.64	19.72	19.70					
15	16QAM	36	36	19.65	19.72	19.70					
15	16QAM	50	20	19.57	19.70	19.58	21	0			
15	16QAM	50	20	19.63	19.69	19.66					
15	16QAM	75	0	19.63	19.67	19.63					
15	64QAM	1	0	19.84	19.67	19.67					
15	64QAM	1	37	19.84	19.68	19.68	21	0			
15	64QAM	1	74	19.72	19.75	19.72					
15	64QAM	36	0	19.64	19.72	19.70					
15	64QAM	36	36	19.65	19.72	19.70					
15	64QAM	50	20	19.58	19.65	19.57	21	0			
15	64QAM	50	20	19.62	19.70	19.64					
15	256QAM	1	37	19.38	19.42	19.34					
15	256QAM	1	74	19.40	19.42	19.34					
15	256QAM	36	0	19.33	19.33	19.34	19	2			
15	256QAM	36	36	19.26	19.35	19.25					
15	256QAM	36	39	19.27	19.32	19.26					
15	256QAM	75	0	19.34	19.38	19.25					
Turn-up time (sec) MPR (dB)											
Channel											
1805 1800 1805											
Frequency (MHz)											
10	QPSK	1	0	19.53	19.60	19.53	21	0			
10	QPSK	1	25	19.51	19.70	19.64					
10	QPSK	1	49	19.79	19.89	19.75					
10	QPSK	25	0	19.66	19.67	19.69					
10	QPSK	25	13	19.57	19.64	19.65	21	0			
10	QPSK	25	25	19.67	19.67	19.62					
10	QPSK	50	0	19.60	19.67	19.62					
10	16QAM	1	0	19.64	19.74	19.67					
10	16QAM	1	25	19.65	19.71	19.64	21	0			
10	16QAM	1	49	19.63	19.70	19.66					
10	16QAM	25	0	19.65	19.72	19.71					
10	16QAM	25	13	19.59	19.70	19.62					
10	16QAM	50	20	19.58	19.69	19.58	21	0			
10	16QAM	50	20	19.62	19.70	19.64					
10	256QAM	1	25	19.38	19.42	19.34					
10	256QAM	1	49	19.38	19.42	19.34					
10	256QAM	25	0	19.52	19.52	19.57	19	2			
10	256QAM	25	12	19.30	19.37	19.22					
10	256QAM	50	0	19.34	19.38	19.25					
10	256QAM	50	0	19.34	19.38	19.25					
Turn-up time (sec) MPR (dB)											
Channel											
1805 1800 1805											
Frequency (MHz)											
5	QPSK	1	0	19.53	19.60	19.53	21	0			
5	QPSK	1	12	19.51	19.69	19.63					
5	QPSK	1	24	19.80	19.89	19.78					
5	QPSK	12	0	19.67	19.71	19.65					
5	QPSK	12	7	19.57	19.62	19.64	21	0			
5	QPSK	12	13	19.54	19.68	19.63					
5	QPSK	25	0	19.53	19.67	19.65					
5	16QAM	1	0	19.68	19.74	19.66					
5	16QAM	1	12	19.68	19.66	19.63	21	0			
5	16QAM	1	24	19.66	19.72	19.69					
5	16QAM	12	0	19.66	19.72	19.66					
5	16QAM	12	7	19.59	19.69	19.61					
5	16QAM	12	13	19.68	19.70	19.68	21	0			
5	16QAM	25	0	19.64	19.67	19.66					
5	64QAM	1	0	19.61	19.66	19.66					
5	64QAM	1	12	19.65	19.68	19.67					
5	64QAM	1	24	19.72	19.70	19.70	21	0			
5	64QAM	12	0	19.63	19.72	19.66					
5	64QAM	12	7	19.61	19.73	19.70					
5	64QAM	12	13	19.58	19.69	19.65					
5	64QAM	25	0	19.62	19.66	19.66	21	0			
5	64QAM	25	0	19.59	19.38	19.30					
5	256QAM	1	12	19.39	19.44	19.30					
5	256QAM	1	24	19.40	19.40	19.36					
5	256QAM	12	0	19.30	19.33	19.23	19	2			
5	256QAM	12	7	19.26	19.32	19.23					
5	256QAM	12	13	19.29	19.30	19.30					
5	256QAM	25	0	19.30	19.30	19.25					
Turn-up time (sec) MPR (dB)											
Channel											
1805 1800 1805											
Frequency (MHz)											
3	QPSK	1	0	19.53	19.61	19.53	21	0			
3	QPSK	1	8	19.56	19.66	19.64					
3	QPSK	1	14	19.81	19.85	19.76					
3	QPSK	8	0	19.70	19.71	19.66					
3	QPSK	8	4	19.57	19.66	19.64	21	0			
3	QPSK	8	7	19.64	19.69	19.59					
3	QPSK	15	0	19.64	19.72	19.66					
3	16QAM	1	0	19.66	19.70	19.69					
3	16QAM	1	8	19.67	19.71	19.62	21	0			
3	16QAM	1									

Band 41 HPUE_Ant 7											
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	24.84	24.99	24.60	24.63	24.78	26	0	
20	QPSK	1	49	24.59	24.96	24.43	24.66	24.84			
20	QPSK	1	99	24.73	25.12	24.58	24.66	24.68			
20	QPSK	50	0	24.65	25.10	24.52	24.64	24.61			
20	QPSK	50	24	24.65	24.90	24.50	24.61	24.66	26	0	
20	QPSK	50	50	24.62	25.09	24.42	24.68	24.58			
20	QPSK	100	0	24.55	25.07	24.46	24.63	24.65			
20	16QAM	1	0	24.83	24.93	24.58	24.68	25.03			
20	16QAM	1	49	24.76	24.97	24.66	24.49	24.70	26	0	
20	16QAM	1	99	24.84	24.90	24.54	24.90	24.80			
20	16QAM	50	0	24.42	24.47	24.00	24.08	24.49			
20	16QAM	50	24	24.41	24.45	24.00	24.05	24.59			
20	16QAM	50	50	24.31	24.47	23.92	23.93	24.23	25	1	
20	16QAM	100	0	24.06	24.49	24.24	24.32	24.26			
20	64QAM	1	0	24.17	24.39	23.96	24.14	24.25			
20	64QAM	1	49	24.11	24.39	23.95	24.13	24.30			
20	64QAM	1	99	23.98	24.45	23.89	24.04	24.16	25	1	
20	64QAM	50	0	23.23	23.58	23.26	23.30	23.06			
20	64QAM	50	24	23.12	23.34	23.34	23.05	23.26			
20	64QAM	50	50	23.28	23.46	23.17	22.91	23.32			
20	64QAM	100	0	23.21	23.30	23.14	23.02	23.57	24	2	
20	256QAM	1	0	20.80	20.77	20.67	20.56	20.68			
20	256QAM	1	49	20.64	20.67	20.52	20.42	20.66			
20	256QAM	1	99	20.58	20.66	20.47	20.48	20.73			
20	256QAM	50	0	20.90	20.91	20.86	20.71	20.84	22	4	
20	256QAM	50	24	20.85	20.82	20.76	20.69	20.92			
20	256QAM	50	50	20.74	20.75	20.62	20.59	20.86			
20	256QAM	100	0	20.71	20.62	20.70	20.58	20.81			
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	24.88	24.86	24.91	24.85	24.87	26	0	
15	QPSK	1	37	24.83	24.92	24.85	24.95	24.85			
15	QPSK	1	74	25.06	25.11	25.10	25.09	25.07			
15	QPSK	36	0	25.05	25.09	25.05	24.99	25.09			
15	QPSK	36	20	24.86	24.84	24.83	24.89	24.85	26	0	
15	QPSK	36	39	25.00	25.06	24.99	25.04	24.95			
15	QPSK	75	0	24.90	24.95	24.91	24.96	25.03			
15	16QAM	1	0	24.86	24.80	24.81	24.81	24.85			
15	16QAM	1	37	24.89	24.95	24.88	24.95	24.96	26	0	
15	16QAM	1	74	24.86	24.88	24.87	24.87	24.79			
15	16QAM	36	0	24.38	24.34	24.40	24.35	24.40			
15	16QAM	36	20	24.42	24.31	24.42	24.38	24.40			
15	16QAM	36	39	24.35	24.41	24.34	24.38	24.36	25	1	
15	16QAM	75	0	24.41	24.41	24.47	24.40	24.39			
15	64QAM	1	0	24.30	24.31	24.26	24.31	24.37			
15	64QAM	1	37	24.29	24.38	24.34	24.33	24.27			
15	64QAM	1	74	24.42	24.44	24.32	24.34	24.41	25	1	
15	64QAM	36	0	23.50	23.51	23.48	23.54	23.56			
15	64QAM	36	20	23.26	23.25	23.33	23.29	23.24			
15	64QAM	36	39	23.36	23.33	23.38	23.33	23.38			
15	64QAM	75	0	23.27	23.28	23.23	23.23	23.21	24	2	
15	256QAM	1	0	20.70	20.75	20.73	20.67	20.73			
15	256QAM	1	37	20.51	20.61	20.59	20.61	20.66			
15	256QAM	1	74	20.65	20.51	20.49	20.53	20.58			
15	256QAM	36	0	20.75	20.73	20.73	20.78	20.84	22	4	
15	256QAM	36	20	20.74	20.68	20.63	20.77	20.73			
15	256QAM	36	39	20.67	20.64	20.70	20.70	20.69			
15	256QAM	75	0	20.61	20.53	20.53	20.60	20.43			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	24.88	24.86	24.88	24.86	24.86	26	0	
10	QPSK	1	25	24.94	24.94	24.86	24.90	24.93			
10	QPSK	1	49	24.98	25.10	25.10	25.07	25.04			
10	QPSK	25	0	25.00	25.06	25.08	24.96	25.08			
10	QPSK	25	12	24.76	24.84	24.88	24.87	24.87	26	0	
10	QPSK	25	25	25.03	24.97	25.04	24.97	25.01			
10	QPSK	50	0	24.97	25.03	24.94	25.00	24.96			
10	16QAM	1	0	24.91	24.85	24.87	24.80	24.91			
10	16QAM	1	25	24.85	24.94	24.85	24.90	24.90	26	0	
10	16QAM	1	49	24.83	24.88	24.88	24.83	24.77			
10	16QAM	25	0	24.44	24.33	24.43	24.33	24.44			
10	16QAM	25	12	24.36	24.40	24.36	24.34	24.35			
10	16QAM	25	25	24.43	24.46	24.34	24.37	24.39	25	1	
10	16QAM	50	0	24.48	24.39	24.35	24.43	24.46			
10	64QAM	1	0	24.31	24.38	24.30	24.28	24.33			
10	64QAM	1	25	24.33	24.31	24.30	24.26	24.36			
10	64QAM	1	49	24.44	24.35	24.40	24.40	24.40	25	1	
10	64QAM	25	0	23.57	23.52	23.46	23.57	23.50			
10	64QAM	25	12	23.27	23.30	23.27	23.20	23.22			
10	64QAM	25	25	23.45	23.42	23.43	23.33	23.35			
10	64QAM	50	0	23.24	23.16	23.24	23.17	23.17	24	2	
10	256QAM	1	0	20.74	20.63	20.73	20.63	20.64			
10	256QAM	1	25	20.49	20.64	20.48	20.51	20.53			
10	256QAM	1	49	20.46	20.57	20.57	20.55	20.63			
10	256QAM	25	0	20.76	20.73	20.90	20.84	20.85	22	4	
10	256QAM	25	12	20.74	20.73	20.66	20.68	20.67			
10	256QAM	25	25	20.68	20.63	20.57	20.73	20.71			
10	256QAM	50	0	20.47	20.51	20.58	20.58	20.46			
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	24.87	24.94	24.88	24.94	24.91	26	0	
5	QPSK	1	12	24.93	24.87	24.87	24.89	24.84			
5	QPSK	1	24	25.11	25.07	25.07	24.99	25.09			
5	QPSK	12	0	25.05	24.99	25.05	25.07	24.97			
5	QPSK	12	7	24.87	24.86	24.83	24.80	24.81	26	0	
5	QPSK	12	13	25.07	25.02	25.03	25.07	25.04			
5	QPSK	25	0	24.92	24.94	25.03	24.95	24.96			
5	16QAM	1	0	24.90	24.92	24.79	24.86	24.84			
5	16QAM	1	12	24.89	24.84	24.94	24.94	24.96	26	0	
5	16QAM	1	24	24.86	24.87	24.86	24.87	24.83			
5	16QAM	12	0	24.41	24.40	24.42	24.41	24.39			
5	16QAM	12	7	24.41	24.40	24.35	24.37	24.38			
5	16QAM	12	13	24.38	24.45	24.46	24.35	24.46	25	1	
5	16QAM	25	0	24.37	24.37	24.35	24.45	24.47			
5	64QAM	1	0	24.34	24.27	24.28	24.36	24.33	25	1	
5	64QAM	1	12	24.26	24.28	24.26	24.28	24.25			
5	64QAM	1	24	24.39	24.31	24.35	24.41	24.34	24	2	
5	64QAM	12	0	23.47	23.55	23.49	23.53	23.46			
5	64QAM	12	7	23.33	23.32	23.24	23.25	23.22			
5	64QAM	12	13	23.33	23.45	23.38	23.39	23.35			
5	64QAM	25	0	23.23	23.20	23.27	23.19	23.23	22	4	
5	256QAM	1	0	20.74	20.72	20.69	20.75	20.67			
5	256QAM	1	12	20.63	20.58	20.60	20.50	20.48			
5	256QAM	1	24	20.54	20.58	20.46	20.52	20.58			
5	256QAM	12	0	20.89	20.78	20.75	20.75	20.82	22	4	
5	256QAM	12	7	20.77	20.78	20.74	20.64	20.75			
5	256QAM	12	13	20.67	20.59	20.61	20.55	20.62			
5	256QAM	25	0	20.49	20.61	20.46	20.57	20.55			



Uplink CA Power

CA_5B_Ant2											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20450	20549	QPSK	1	49	1	0	2	0	Full Power	22.96	24.00
20575	20476	QPSK	1	49	1	0	2	0	Full Power	22.97	24.00
20600	20501	QPSK	1	0	1	49	2	0	Full Power	22.95	24.00
20450	20549	QPSK	1	49	1	0	2	0	DSI 2	22.43	23.50
20575	20476	QPSK	1	49	1	0	2	0	DSI 2	22.55	23.50
20600	20501	QPSK	1	0	1	49	2	0	DSI 2	22.35	23.50
20450	20549	QPSK	1	49	1	0	2	0	DSI 2 (Sim)	20.85	22.00
20575	20476	QPSK	1	49	1	0	2	0	DSI 2 (Sim)	20.90	22.00
20600	20501	QPSK	1	0	1	49	2	0	DSI 2 (Sim)	20.77	22.00
20450	20549	QPSK	1	49	1	0	2	0	DSI 3 (Sim)	21.56	22.50
20575	20476	QPSK	1	49	1	0	2	0	DSI 3 (Sim)	21.63	22.50
20600	20501	QPSK	1	0	1	49	2	0	DSI 3 (Sim)	21.52	22.50

CA_66B_Ant2											
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dbm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132047	132140	QPSK	1	74	1	0	2	0	Full Power	22.96	24.00
132322	132415	QPSK	1	74	1	0	2	0	Full Power	23.01	24.00
132597	132504	QPSK	1	0	1	24	2	0	Full Power	23.10	24.00
132047	132140	QPSK	1	74	1	0	2	0	DSI 2	19.97	23.00
132322	132415	QPSK	1	74	1	0	2	0	DSI 2	19.87	23.00
132597	132504	QPSK	1	0	1	24	2	0	DSI 2	22.11	23.00
132047	132140	QPSK	1	74	1	0	2	0	DSI 2 (Sim)	19.98	21.00
132322	132415	QPSK	1	74	1	0	2	0	DSI 2 (Sim)	19.85	21.00
132597	132504	QPSK	1	0	1	24	2	0	DSI 2 (Sim)	20.10	21.00
132047	132140	QPSK	1	74	1	0	2	0	DSI 3	22.02	23.00
132322	132415	QPSK	1	74	1	0	2	0	DSI 3	21.86	23.00
132597	132504	QPSK	1	0	1	24	2	0	DSI 3	22.08	23.00
132047	132140	QPSK	1	74	1	0	2	0	DSI 3 (Sim)	18.90	20.00
132322	132415	QPSK	1	74	1	0	2	0	DSI 3 (Sim)	18.79	20.00
132597	132504	QPSK	1	0	1	24	2	0	DSI 3 (Sim)	19.00	20.00
132047	132140	QPSK	1	74	1	0	2	0	DSI 6	21.76	23.00
132322	132415	QPSK	1	74	1	0	2	0	DSI 6	21.64	23.00
132597	132504	QPSK	1	0	1	24	2	0	DSI 6	21.87	23.00
132047	132140	QPSK	1	74	1	0	2	0	DSI 6 (Sim)	18.80	20.00
132322	132415	QPSK	1	74	1	0	2	0	DSI 6 (Sim)	18.74	20.00
132597	132504	QPSK	1	0	1	24	2	0	DSI 6 (Sim)	19.06	20.00

CA_66C_Ant2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	99	1	0	2	0	Full Power	23.09	24.00
132322	132520	QPSK	1	99	1	0	2	0	Full Power	23.06	24.00
132572	132374	QPSK	1	0	1	99	2	0	Full Power	23.14	24.00
132072	132270	QPSK	1	99	1	0	2	0	DSI 2	22.07	23.00
132322	132520	QPSK	1	99	1	0	2	0	DSI 2	21.98	23.00
132572	132374	QPSK	1	0	1	99	2	0	DSI 2	22.14	23.00
132072	132270	QPSK	1	99	1	0	2	0	DSI 2 (Sim)	20.04	21.00
132322	132520	QPSK	1	99	1	0	2	0	DSI 2 (Sim)	19.95	21.00
132572	132374	QPSK	1	0	1	99	2	0	DSI 2 (Sim)	20.12	21.00
132072	132270	QPSK	1	99	1	0	2	0	DSI 3	22.09	23.00
132322	132520	QPSK	1	99	1	0	2	0	DSI 3	21.97	23.00
132572	132374	QPSK	1	0	1	99	2	0	DSI 3	22.13	23.00
132072	132270	QPSK	1	99	1	0	2	0	DSI 3 (Sim)	18.92	20.00
132322	132520	QPSK	1	99	1	0	2	0	DSI 3 (Sim)	18.85	20.00
132572	132374	QPSK	1	0	1	99	2	0	DSI 3 (Sim)	19.04	20.00
132072	132270	QPSK	1	99	1	0	2	0	DSI 6	21.87	23.00
132322	132520	QPSK	1	99	1	0	2	0	DSI 6	21.75	23.00
132572	132374	QPSK	1	0	1	99	2	0	DSI 6	21.90	23.00
132072	132270	QPSK	1	99	1	0	2	0	DSI 6 (Sim)	18.85	20.00
132322	132520	QPSK	1	99	1	0	2	0	DSI 6 (Sim)	18.80	20.00
132572	132374	QPSK	1	0	1	99	2	0	DSI 6 (Sim)	19.09	20.00

CA_41C_Ant8											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	99	1	0	2	0	Full Power	22.91	24.00
39750	39948	QPSK	1	99	1	0	2	0	Full Power	22.95	24.00
40185	40383	QPSK	1	99	1	0	2	0	Full Power	23.03	24.00
40620	40818	QPSK	1	99	1	0	2	0	Full Power	22.86	24.00
41055	41253	QPSK	1	99	1	0	2	0	Full Power	22.75	24.00
41490	41292	QPSK	1	0	1	99	2	0	Full Power	22.98	24.00
39750	39948	QPSK	1	99	1	0	2	0	DSI 2	19.89	20.90
39750	39948	QPSK	1	99	1	0	2	0	DSI 2	19.72	20.90
40185	40383	QPSK	1	99	1	0	2	0	DSI 2	19.92	20.90
40620	40818	QPSK	1	99	1	0	2	0	DSI 2	20.00	20.90
41055	41253	QPSK	1	99	1	0	2	0	DSI 2	19.74	20.90
41490	41292	QPSK	1	0	1	99	2	0	DSI 2	19.75	20.90
39750	39948	QPSK	1	99	1	0	2	0	DSI 2 (Sim)	18.44	19.40
39750	39948	QPSK	1	99	1	0	2	0	DSI 2 (Sim)	18.48	19.40
40185	40383	QPSK	1	99	1	0	2	0	DSI 2 (Sim)	18.27	19.40
40620	40818	QPSK	1	99	1	0	2	0	DSI 2 (Sim)	18.50	19.40
41055	41253	QPSK	1	99	1	0	2	0	DSI 2 (Sim)	18.38	19.40
41490	41292	QPSK	1	0	1	99	2	0	DSI 2 (Sim)	18.39	19.40
39750	39948	QPSK	1	99	1	0	2	0	DSI 3	18.80	19.90
39750	39948	QPSK	1	99	1	0	2	0	DSI 3	18.77	19.90
40185	40383	QPSK	1	99	1	0	2	0	DSI 3	18.74	19.90
40620	40818	QPSK	1	99	1	0	2	0	DSI 3	18.83	19.90
41055	41253	QPSK	1	99	1	0	2	0	DSI 3	18.64	19.90
41490	41292	QPSK	1	0	1	99	2	0	DSI 3	14.63	19.90
39750	39948	QPSK	1	99	1	0	2	0	DSI 3 (Sim)	14.84	19.90
39750	39948	QPSK	1	99	1	0	2	0	DSI 3 (Sim)	14.79	19.90
40185	40383	QPSK	1	99	1	0	2	0	DSI 3 (Sim)	14.77	19.90
40620	40818	QPSK	1	99	1	0	2	0	DSI 3 (Sim)	14.96	19.90
41055	41253	QPSK	1	99	1	0	2	0	DSI 3 (Sim)	14.70	19.90
41490	41292	QPSK	1	0	1	99	2	0	DSI 3 (Sim)	14.81	19.90
39750	39948	QPSK	1	99	1	0	2	0	DSI 6	21.95	22.90
39750	39948	QPSK	1	99	1	0	2	0	DSI 6	22.02	22.90
40185	40383	QPSK	1	99	1	0	2	0	DSI 6	21.91	22.90
40620	40818	QPSK	1	99	1	0	2	0	DSI 6	22.17	22.90
41055	41253	QPSK	1	99	1	0	2	0	DSI 6	22.10	22.90
41490	41292	QPSK	1	0	1	99	2	0	DSI 6	22.03	22.90
39750	39948	QPSK	1	99	1	0	2	0	DSI 6 (Sim)	18.73	19.90
39750	39948	QPSK	1	99	1	0	2	0	DSI 6 (Sim)	18.83	19.90
40185	40383	QPSK	1	99	1	0	2	0	DSI 6 (Sim)	19.02	19.90
40620	40818	QPSK	1	99	1	0	2	0	DSI 6 (Sim)	19.14	19.90
41055	41253	QPSK	1	99	1	0	2	0	DSI 6 (Sim)	18.99	19.90
41490	41292	QPSK	1	0	1	99	2	0	DSI 6 (Sim)	19.01	19.90

CA_48C For FCC_Ant4											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dbm)	Tune up Power (dbm)
			RB Size	RB offset	RB Size	RB offset					
53340	55538	QPSK	1	99	1	0	2	0	Full Power	23.45	24.00
55830	56028	QPSK	1	99	1	0	2	0	Full Power	23.52	24.00
56150	56348	QPSK	1	99	1	0	2	0	Full Power	23.35	24.00
56640	56442	QPSK	1	0	1	99	2	0	Full Power	23.22	24.00
53340	55538	QPSK	1	99	1	0	2	0	DSI 2	22.25	23.00
55830	56028	QPSK	1	99	1	0	2	0	DSI 2	22.22	23.00
56150	56348	QPSK	1	99	1	0	2	0	DSI 2	22.19	23.00
56640	56442	QPSK	1	0	1	99	2	0	DSI 2	22.10	23.00
53340	55538	QPSK	1	99	1	0	2	0	DSI 2 (Sim)	20.75	21.50
55830	56028	QPSK	1	99	1	0	2	0	DSI 2 (Sim)	20.72	21.50
56150	56348	QPSK	1	99	1	0	2	0	DSI 2 (Sim)	20.54	21.50
56640	56442	QPSK	1	0	1	99	2	0	DSI 2 (Sim)	20.58	21.50
53340	55538	QPSK	1	99	1	0	2	0	DSI 3	19.31	20.00
55830	56028	QPSK	1	99	1	0	2	0	DSI 3	19.39	20.00
56150	56348	QPSK	1	99	1	0	2	0	DSI 3	19.26	20.00
56640	56442	QPSK	1	0	1	99	2	0	DSI 3	19.48	20.00
53340	55538	QPSK	1	99	1	0	2	0	DSI 3 (Sim)	15.86	16.50
55830	56028	QPSK	1	99	1	0	2	0	DSI 3 (Sim)	15.50	16.50
56150	56348	QPSK	1	99	1	0	2	0	DSI 3 (Sim)	15.62	16.50
56640	56442	QPSK	1	0	1	99	2	0	DSI 3 (Sim)	15.75	16.50
53340	55538	QPSK	1	99	1	0	2	0	DSI 6	20.35	21.00
55830	56028	QPSK	1	99	1	0	2	0	DSI 6	20.28	21.00
56150	56348	QPSK	1	99	1	0	2	0	DSI 6	20.39	21.00
56640	56442	QPSK	1	0	1	99	2	0	DSI 6	20.47	21.00
53340	55538	QPSK	1	99	1	0	2	0	DSI 6 (Sim)	17.34	18.00
55830	56028	QPSK	1	99	1	0	2	0	DSI 6 (Sim)	17.33	18.00
56150	56348	QPSK	1	99	1	0	2	0	DSI 6 (Sim)	17.24	18.00
56640	56442	QPSK	1	0	1	99	2	0	DSI 6 (Sim)	17.42	18.00



CA_5B_Ant1											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20450	20549	QPSK	1	49	1	0	2	0	Full Power	22.84	24.00
20575	20476	QPSK	1	49	1	0	2	0	Full Power	22.96	24.00
20600	20501	QPSK	1	0	1	49	2	0	Full Power	22.86	24.00
20450	20549	QPSK	1	49	1	0	2	0	DSI 3 & DSI 3 (Sim)	21.77	23.00
20575	20476	QPSK	1	49	1	0	2	0	DSI 3 & DSI 3 (Sim)	21.88	23.00
20600	20501	QPSK	1	0	1	49	2	0	DSI 3 & DSI 3 (Sim)	21.75	23.00

CA_66B_Ant1											
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132047	132140	QPSK	1	74	1	0	2	0	Full Power	22.85	24.00
132322	132415	QPSK	1	74	1	0	2	0	Full Power	23.06	24.00
132597	132504	QPSK	1	0	1	24	2	0	Full Power	23.01	24.00
132047	132140	QPSK	1	74	1	0	2	0	DSI 3	17.80	19.00
132322	132415	QPSK	1	74	1	0	2	0	DSI 3	17.85	19.00
132597	132504	QPSK	1	0	1	24	2	0	DSI 3	18.00	19.00
132047	132140	QPSK	1	74	1	0	2	0	DSI 3 (Sim)	16.51	17.50
132322	132415	QPSK	1	74	1	0	2	0	DSI 3 (Sim)	16.47	17.50
132597	132504	QPSK	1	0	1	24	2	0	DSI 3 (Sim)	16.58	17.50
132047	132140	QPSK	1	74	1	0	2	0	DSI 6 & DSI 6 (Sim)	21.37	22.50
132322	132415	QPSK	1	74	1	0	2	0	DSI 6 & DSI 6 (Sim)	21.35	22.50
132597	132504	QPSK	1	0	1	24	2	0	DSI 6 & DSI 6 (Sim)	21.47	22.50

CA_66C_Ant1											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	99	1	0	2	0	Full Power	22.94	24.00
132322	132520	QPSK	1	99	1	0	2	0	Full Power	23.12	24.00
132572	132374	QPSK	1	0	1	99	2	0	Full Power	23.05	24.00
132072	132270	QPSK	1	99	1	0	2	0	DSI 3	17.95	19.00
132322	132520	QPSK	1	99	1	0	2	0	DSI 3	17.88	19.00
132572	132374	QPSK	1	0	1	99	2	0	DSI 3	18.07	19.00
132072	132270	QPSK	1	99	1	0	2	0	DSI 3 (Sim)	16.55	17.50
132322	132520	QPSK	1	99	1	0	2	0	DSI 3 (Sim)	16.50	17.50
132572	132374	QPSK	1	0	1	99	2	0	DSI 3 (Sim)	16.82	17.50
132072	132270	QPSK	1	99	1	0	2	0	DSI 6 & DSI 6 (Sim)	21.40	22.50
132322	132520	QPSK	1	99	1	0	2	0	DSI 6 & DSI 6 (Sim)	21.38	22.50
132572	132374	QPSK	1	0	1	99	2	0	DSI 6 & DSI 6 (Sim)	21.50	22.50

CA_41C_Ant7											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39790	39948	QPSK	1	99	1	0	2	0	Full Power	22.98	24.00
39750	39948	QPSK	1	99	1	0	2	0	Full Power	22.83	24.00
40185	40383	QPSK	1	99	1	0	2	0	Full Power	22.88	24.00
40620	40818	QPSK	1	99	1	0	2	0	Full Power	22.94	24.00
41055	41253	QPSK	1	99	1	0	2	0	Full Power	23.10	24.00
41490	41292	QPSK	1	0	1	99	2	0	Full Power	22.99	24.00
39790	39948	QPSK	1	99	1	0	2	0	DSI 3	20.79	21.90
39750	39948	QPSK	1	99	1	0	2	0	DSI 3	20.75	21.90
40185	40383	QPSK	1	99	1	0	2	0	DSI 3	20.84	21.90
40620	40818	QPSK	1	99	1	0	2	0	DSI 3	20.89	21.90
41055	41253	QPSK	1	99	1	0	2	0	DSI 3	20.91	21.90
41490	41292	QPSK	1	0	1	99	2	0	DSI 3	20.83	21.90
39790	39948	QPSK	1	99	1	0	2	0	DSI 3 (Sim)	19.81	20.90
39750	39948	QPSK	1	99	1	0	2	0	DSI 3 (Sim)	19.75	20.90
40185	40383	QPSK	1	99	1	0	2	0	DSI 3 (Sim)	19.83	20.90
40620	40818	QPSK	1	99	1	0	2	0	DSI 3 (Sim)	19.76	20.90
41055	41253	QPSK	1	99	1	0	2	0	DSI 3 (Sim)	19.89	20.90
41490	41292	QPSK	1	0	1	99	2	0	DSI 3 (Sim)	19.81	20.90



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SCC		POC														Power				
Config	CA Configuration (BCS)	LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod	UL RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	WBR CA Tx Power (dBm)	WID CA Tx Power (dBm)	WBR CA Tx Power (dBm)	WID CA Tx Power (dBm)				
Inter-Band	CA 4A-17A	4	10	1732.5	20175	QPSK	1	0	17	10	740	5790	23.05	23.15						
	CA 4A-48A	4	20	1732.5	20175	QPSK	1	0	48	20	2625	5590	23.02	23.15						
	CA 7A-13A	7	20	2530	21100	QPSK	1	0	13	10	751	5230	22.95	23.18						
	CA 7A-29A	7	20	2530	21100	QPSK	1	0	29	10	722.5	9715	22.91	23.18						
	CA 13A-48A	13	10	750	23320	QPSK	1	0	48	20	2625	5590	22.93	22.97						
	CA 2A-26A	25	20	1880	26340	QPSK	1	0	26	10	576.5	4885	23.02	23.15						
	CA 26A-41A	25	20	1880	26340	QPSK	1	0	41	20	2500	4050	23.04	23.15						
	CA 26A-41A	26	15	831.5	26885	QPSK	1	0	41	20	2500	4050	23.01	23.18						
	CA 41A-41A	41	20	2545.5	40585	QPSK	1	0	41	5	2687.5	4185	22.92	23.14						
	CA 7B	7	15	2535	21100	QPSK	1	0	7	5	2664.3	3163	22.96	23.18						
Intra-Band	CA 41C	41	20	2545.5	40585	QPSK	1	0	41	20	2693.5	40585	22.85	23.14						
	CA 48C	48	15	3007.5	55855	QPSK	1	0	48	5	3017.4	55914	22.48	23.56						
	CA 6B	68	15	1740	132022	QPSK	1	0	68	5	2154.30	68879	22.97	23.18						
	CA 68B	68	15	1740	132022	QPSK	1	0	68	5	2154.30	68879	22.97	23.18						

SCC		POC														Power					
Config	CA Configuration (BCS)	LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod	UL RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	WBR CA Tx Power (dBm)	WID CA Tx Power (dBm)	WBR CA Tx Power (dBm)	WID CA Tx Power (dBm)					
Inter-Band	CA 2A-2A-7A	2	20	1880	18700	QPSK	1	0	2	5	1687.5	1175	7	20	2505	3100	23.07	23.13			
	CA 2A-2A-29A	2	20	1880	18700	QPSK	1	0	2	5	1687.5	1175	20	10	722.5	9715	23.11	23.13			
	CA 2A-2A-39A	2	20	1880	18700	QPSK	1	0	2	5	1687.5	1175	30	10	2355	9620	23.02	23.13			
	CA 2A-2A-71A	2	20	1880	18700	QPSK	1	0	2	5	1687.5	1175	71	20	637	68786	23.06	23.13			
	CA 2A-4A-13A	2	20	1880	18700	QPSK	1	0	4	20	2132.5	2175	13	10	751	5230	23.07	23.13			
	CA 2A-4A-29A	2	20	1880	18700	QPSK	1	0	4	20	2132.5	2175	20	10	722.5	9715	23.10	23.13			
	CA 2A-4A-39A	2	20	1880	18700	QPSK	1	0	4	20	2132.5	2175	30	10	2355	9620	23.11	23.13			
	CA 2A-5A-7A	2	20	1880	18700	QPSK	1	0	5	10	881.5	2525	7	20	2505	3100	23.09	23.13			
	CA 2A-5A-30A	2	20	1880	18700	QPSK	1	0	5	10	881.5	2525	30	10	2355	9620	23.04	23.13			
	CA 2A-5A-48A	2	20	1880	18700	QPSK	1	0	5	10	881.5	2525	48	20	2625	5590	23.06	23.13			
Intra-Band	CA 2A-7A-13A	2	20	1880	18700	QPSK	1	0	7	20	2655	3100	13	10	751	5230	23.09	23.13			
	CA 2A-7A-13A	2	20	1880	18700	QPSK	1	0	7	20	2655	3100	13	10	751	5230	23.09	23.13			
	CA 2A-13A-48A	2	20	1880	18700	QPSK	1	0	13	10	737.5	5095	30	10	2355	9620	23.02	23.13			
	CA 2A-14A-48A	2	20	1880	18700	QPSK	1	0	14	10	751	5230	48	20	2145	68786	23.04	23.13			
	CA 2A-29A-58A	2	20	1880	18700	QPSK	1	0	29	10	722.5	9715	10	20	637	68786	23.05	23.13			
	CA 2A-29A-68A	2	20	1880	18700	QPSK	1	0	29	10	722.5	9715	68	20	2145	68786	22.98	23.13			
	CA 3A-30A-48A	2	20	1880	18700	QPSK	1	0	30	10	2355	9620	68	20	2145	68786	23.10	23.13			
	CA 2A-48A-48A	2	20	1880	18700	QPSK	1	0	48	20	2625	5590	48	5	3552.5	55826	22.97	23.13			
	CA 3A-48A-48A	2	20	1880	18700	QPSK	1	0	48	20	2625	5590	68	20	2145	68786	22.97	23.13			
	CA 4A-4A-13A	4	20	1732.5	20175	QPSK	1	0	4	5	2112.5	1975	13	10	751	5230	23.09	23.15			
Intra-Band	CA 4A-4A-39A	4	20	1732.5	20175	QPSK	1	0	4	5	2112.5	1975	30	10	2355	9620	23.03	23.15			
	CA 4A-4A-71A	4	20	1732.5	20175	QPSK	1	0	4	5	2112.5	1975	71	20	637	68786	23.08	23.15			
	CA 4A-5A-30A	4	20	1732.5	20175	QPSK	1	0	4	5	10	881.5	2525	30	10	2355	9620	23.01	23.15		
	CA 4A-5A-13A	4	20	1732.5	20175	QPSK	1	0	7	20	2655	3100	12	10	737.5	5095	23.11	23.15			
	CA 4A-13A-48A	4	20	1732.5	20175	QPSK	1	0	13	10	737.5	5095	30	10	2355	9620	23.02	23.15			
	CA 4A-29A-58A	4	20	1732.5	20175	QPSK	1	0	29	10	722.5	9715	10	20	637	68786	23.06	23.15			
	CA 4A-48C	4	20	1732.5	20175	QPSK	1	0	48	20	2625	5590	48	20	3644.8	56188	22.85	23.15			
	CA 5A-5A-48A	5	10	836.5	25025	QPSK	1	0	5	10	3030	3030	68	20	2145	68786	22.95	22.99			
	CA 5A-48A-48A	5	10	836.5	25025	QPSK	1	0	5	10	3030	3030	68	20	2145	68786	22.95	22.99			
	CA 12A-30A-48A	12	10	707.5	22005	QPSK	1	0	30	10	2355	9620	68	20	2145	68786	23.03	23.09			
Intra-Band	CA 14A-30A-48A	14	10	755	23330	QPSK	1	0	30	10	2355	9620	68	20	2145	68786	23.00	23.07			
	CA 14A-48A-48A	14	10	755	23330	QPSK	1	0	68	20	2145	68786	68	5	2112.5	68461	23.05	23.07			
	CA 2A-2A-26A	25	20	1880	26340	QPSK	1	0	25	5	1932.5	3406	20	5	876.5	8885	23.11	23.15			
	CA 2A-2A-41C	25	20	1880	26340	QPSK	1	0	41	20	2500	39750	41	20	2525.8	35048	23.02	23.18			
	CA 26A-41C	26	15	831.5	26885	QPSK	1	0	41	20	2500	39750	41	20	2525.8	35048	23.02	23.18			
	CA 30A-30A-68A	30	10	2310	27710	QPSK	1	0	68	20	2145	68786	68	5	2197.5	67111	22.95	23.10			
	CA 48A-48A-71A	48	20	3009	55850	QPSK	1	0	48	5	3097.5	56715	71	20	637	68786	23.02	23.16			
	CA 48A-48C	48	20	3009	55850	QPSK	1	0	48	20	2145	68786	68	20	2164.8	68841	23.48	23.56			
	CA 48C-71A	48	20	3009	55850	QPSK	1	0	48	20	3097.5	56715	71	20	637	68786	23.45	23.56			
	CA 41A-41C	41	20	2545.5	40585	QPSK	1	0	41	20	2602.2	41202	41	20	2880	41430	22.95	23.14			
Intra-Band	CA 48A-48A-48A	48	20	3009	55850	QPSK	1	0	48	5	3052.2	56240	48	20	2690	56962	23.50	23.58			
	CA 68A-68A-68A	68	20	1720	132072	QPSK	1	0	68	5	2145	68786	68	20	2170	67036	22.95	23.16			
	CA 68A-68C	68	20	1720	132072	QPSK	1	0	68	20	2150.2	68838	68	20	2170	67036	22.88	23.16			
	CA 68A-68C	68	20	1720	132072	QPSK	1	0	68	20	2150.2	68838	68	20	2170	67036	22.88	23.16			
	CA 68A-68C	68	20	1720	132072	QPSK	1	0	68	20	2150.2	68838	68	20	2170	67036	22.88	23.16			
	CA 68A-68C	68	20	1720	132072	QPSK	1	0	68	20	2150.2	68838	68	20	2170	67036	22.88	23.16			
	CA 68A-68C	68	20	1720	132072	QPSK	1	0	68	20	2150.2	68838	68	20	2170	67036	22.88	23.16			
	CA 68A-68C	68	20	1720	132072	QPSK	1	0	68	20	2150.2	68838	68	20	2170	67036	22.88	23.16			
	CA 68A-68C	68	20	1720	132072	QPSK	1	0	68	20	2150.2	68838	68	20	2170	67036	22.88	23.16			

SCC		POC														Power						
Config	CA Configuration (BCS)	LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod	UL RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	WBR CA Tx Power (dBm)	WID CA Tx Power (dBm)	WBR CA Tx Power (dBm)	WID CA Tx Power (dBm)						
Inter-Band	CA 2A-2A-4A-A	2	20	1880	18700	QPSK	1	0	2	5	1687.5	1175	4	5	2152.5	2375	4	5	2152.5	2375	22.80	23.13
	CA 2A-2A-12A	2	20	1880	18700	QPSK	1	0	2	5	1687.5	1175	4	5	2152.5	2375	12	10	737.5	5086	22.73	23.13
	CA 2A-2A-47.7A	2	20	1880	18700	QPSK	1	0	2	5	1687.5	1175	4	5	2152.5	2375	71	20	637	68786	22.80	23.13
	CA 2A-2A-58A	2	20	1880	18700	QPSK	1	0	2	5	1687.5	1175	5	10	881.5	2525	68	20	2145	68786	23.00	23.13
	CA 2A-2A-12A-6B	2																				



Full Power level/Default Power level/ Pmax Power Level for 5G NR

n2_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1860	1900			
20	PI2 BPSK	1	1	23.23	23.25	22.96	24.0	0.0	
20	PI2 BPSK	1	53	23.22	23.20	22.95			
20	PI2 BPSK	1	104	22.98	23.19	22.82			
20	PI2 BPSK	50	0	22.83	22.75	22.48	23.5	0.5	
20	PI2 BPSK	50	28	23.20	23.24	22.84	24.0	0.0	
20	PI2 BPSK	50	56	22.48	22.69	22.26	23.5	0.5	
20	PI2 BPSK	100	0	22.67	22.73	22.44			
20	QPSK	1	1	22.97	23.16	22.94			
20	QPSK	1	53	22.94	23.12	22.89	24.0	0.0	
20	QPSK	1	104	22.80	22.73	22.84	23.0	1.0	
20	QPSK	50	0	21.86	22.08	21.88			
20	QPSK	50	28	22.72	22.93	22.69			
20	QPSK	50	56	21.71	21.86	21.71	23.0	1.0	
20	QPSK	100	0	21.68	21.93	21.71			
20	16QAM	1	1	21.86	22.04	21.80			
20	64QAM	1	1	20.15	20.39	20.17	21.5	2.5	
20	256QAM	1	1	18.53	18.69	18.44	19.5	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1860	1862.5	Tune-up limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	23.08	23.10	22.87		24.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1860	1905	Tune-up limit (dBm)	MPR (dB)	
10	PI2 BPSK	1	1	23.10	23.12	22.86		24.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1860	1867.5	Tune-up limit (dBm)	MPR (dB)	
5	PI2 BPSK	1	1	23.10	23.18	22.83		24.0	

n2_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1860	1900			
20	PI2 BPSK	1	1	23.10	23.26	23.19	24.0	0.0	
20	PI2 BPSK	1	53	23.09	23.25	23.17			
20	PI2 BPSK	1	104	23.05	23.24	23.16			
20	PI2 BPSK	50	0	22.36	22.74	22.35	23.5	0.5	
20	PI2 BPSK	50	28	22.98	23.21	23.16	24.0	0.0	
20	PI2 BPSK	50	56	22.66	22.76	22.79	23.5	0.5	
20	PI2 BPSK	100	0	22.48	22.74	22.72			
20	QPSK	1	1	22.73	22.97	22.77			
20	QPSK	1	53	22.94	23.17	22.98	24.0	0.0	
20	QPSK	1	104	22.98	23.88	22.82	23.0	1.0	
20	QPSK	50	0	21.74	22.04	21.89			
20	QPSK	50	28	22.64	22.95	22.74			
20	QPSK	50	56	21.72	22.00	21.82	23.0	1.0	
20	QPSK	100	0	21.76	22.02	21.92			
20	16QAM	1	1	21.84	22.23	22.12		23.0	
20	64QAM	1	1	20.33	20.55	20.41	21.5	2.5	
20	256QAM	1	1	18.61	18.82	18.72	19.5	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1860	1862.5	Tune-up limit (dBm)	MPR (dB)	
15	PI2 BPSK	1	1	23.02	23.18	23.16		24.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1860	1905	Tune-up limit (dBm)	MPR (dB)	
10	PI2 BPSK	1	1	23.01	23.25	23.09		24.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1860	1867.5	Tune-up limit (dBm)	MPR (dB)	
5	PI2 BPSK	1	1	23.01	23.19	23.15		24.0	



n5_Ant 1									
BW [MHz]	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			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.24	23.25	23.21	24.0	0.0	
20	PI2 BPSK	1	53	23.21	23.22	23.19			
20	PI2 BPSK	1	104	22.95	22.93	22.87			
20	PI2 BPSK	50	0	22.89	22.54	22.52	24.0	0.0	
20	PI2 BPSK	50	28	23.13	23.23	22.97	24.0	0.0	
20	PI2 BPSK	50	56	22.98	22.97	22.92	24.0	0.0	
20	PI2 BPSK	100	0	23.11	23.16	23.02			
20	QPSK	1	1	23.05	23.21	23.13			
20	QPSK	1	53	23.06	23.14	23.06	24.0	0.0	
20	QPSK	1	104	22.82	22.93	22.84	23.5	0.5	
20	QPSK	50	0	22.48	22.61	22.51			
20	QPSK	50	28	22.86	23.02	22.89			
20	QPSK	50	56	22.25	22.36	22.20	23.5	0.5	
20	QPSK	100	0	22.45	22.52	22.40			
20	16QAM	1	1	22.48	22.59	22.53			
20	64QAM	1	1	20.86	20.97	20.92	22.0	2.0	
20	256QAM	1	1	19.18	19.33	19.27	20.0	4.0	
Channel				166300	167000	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	PI2 BPSK	1	1	23.10	23.12	23.19	24.0	0.0	
Channel				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	PI2 BPSK	1	1	23.17	23.13	23.09	24.0	0.0	
Channel				165300	167200	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	PI2 BPSK	1	1	23.19	23.13	23.18	24.0	0.0	

n5_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.06	23.07	22.92	24.0	0.0	
20	PI2 BPSK	1	53	22.88	22.96	22.86			
20	PI2 BPSK	1	104	22.84	22.74	22.93			
20	PI2 BPSK	50	0	22.86	22.92	22.86	24.0	0.0	
20	PI2 BPSK	50	28	22.94	23.03	22.81	24.0	0.0	
20	PI2 BPSK	50	56	22.76	22.78	22.80	24.0	0.0	
20	PI2 BPSK	100	0	22.95	23.06	22.81			
20	QPSK	1	1	23.09	23.03	22.96			
20	QPSK	1	53	22.91	23.01	22.87	24.0	0.0	
20	QPSK	1	104	22.79	22.80	22.74			
20	QPSK	50	0	22.42	22.45	22.37			
20	QPSK	50	28	22.77	22.86	22.73	24.0	0.0	
20	QPSK	50	56	22.23	22.24	22.13	23.5	0.5	
20	QPSK	100	0	22.25	22.32	22.22			
20	16QAM	1	1	22.59	22.68	22.63			
20	64QAM	1	1	20.91	20.94	20.88	22.0	2.0	
20	256QAM	1	1	19.28	19.33	19.20	20.0	4.0	
Channel				166300	167000	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	PI2 BPSK	1	1	22.95	22.95	22.76	24.0	0.0	
Channel				165800	167300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	PI2 BPSK	1	1	22.90	22.98	22.83	24.0	0.0	
Channel				165300	167200	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	PI2 BPSK	1	1	22.97	22.94	22.78	24.0	0.0	

n12_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700	24.0	0.0	
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	23.08	23.17	23.14			
15	PI2 BPSK	1	49	23.03	23.16	23.02	24.0	0.0	
15	PI2 BPSK	1	77	22.89	22.93	22.92			
15	PI2 BPSK	36	0	22.85	22.86	22.83		0.0	
15	PI2 BPSK	36	22	23.03	23.12	23.06	24.0	0.0	
15	PI2 BPSK	36	43	22.90	22.84	22.85			
15	PI2 BPSK	75	0	23.06	23.09	23.02		0.0	
15	QPSK	1	1	23.06	23.15	23.02	24.0	0.0	
15	QPSK	1	49	23.06	23.11	23.01			
15	QPSK	1	77	22.76	22.89	22.75		0.5	
15	QPSK	36	0	22.53	22.65	22.58	24.0	0.0	
15	QPSK	36	22	22.96	23.06	22.92			
15	QPSK	36	43	22.24	22.38	22.28		0.5	
15	QPSK	75	0	22.41	22.47	22.37	23.5	0.5	
15	16QAM	1	1	22.71	22.80	22.72			
15	64QAM	1	1	21.28	21.34	21.20		2.0	
15	256QAM	1	1	19.42	19.49	19.48	20.0	4.0	
Channel				140800	141000	142200			
Frequency (MHz)				704	707.5	711	Tune-up limit (dBm)	MPR (dB)	
10	PI2 BPSK	1	1	23.00	23.10	22.96	24.0	0.0	
Channel				140300	141500	142700			
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)	
5	PI2 BPSK	1	1	22.96	23.04	23.07	24.0	0.0	

n14_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				158600			24.0	0.0	
Frequency (MHz)				793					
10	PI2 BPSK	1	1		23.02				
10	PI2 BPSK	1	26		22.93		24.0	0.0	
10	PI2 BPSK	1	50		22.95				
10	PI2 BPSK	25	0		22.77			0.0	
10	PI2 BPSK	25	14		22.96		24.0	0.0	
10	PI2 BPSK	25	27		22.87				
10	PI2 BPSK	50	0		22.92			0.0	
10	QPSK	1	1		22.95		24.0	0.0	
10	QPSK	1	26		23.01				
10	QPSK	1	50		22.98			0.5	
10	QPSK	25	0		22.33		24.0	0.0	
10	QPSK	25	14		22.91				
10	QPSK	25	27		22.41			0.5	
10	QPSK	50	0		22.31		23.5	0.5	
10	16QAM	1	1		22.58				
10	64QAM	1	1		20.83			2.0	
10	256QAM	1	1		18.96		20.0	4.0	
Channel				158100	158900	159100			
Frequency (MHz)				790.5	793	795.5	Tune-up limit (dBm)	MPR (dB)	
5	PI2 BPSK	1	1	22.95	23.01	22.98	24.0	0.0	



n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000			
Frequency (MHz)				1670	1662.5	1665			
40	PI2 BPSK	1	1	23.28	23.30	23.21	24.0	0.0	
40	PI2 BPSK	1	108	23.27	23.17	23.13			
40	PI2 BPSK	1	214	23.07	23.14	23.09			
40	PI2 BPSK	108	0	22.76	22.68	22.59	23.5	0.5	
40	PI2 BPSK	108	54	23.24	23.26	23.17	24.0	0.0	
40	PI2 BPSK	108	108	22.70	22.52	22.60	23.5	0.5	
40	PI2 BPSK	216	0	22.66	22.78	22.67			
40	QPSK	1	1	23.18	23.19	23.14			
40	QPSK	1	108	23.21	23.26	23.18	24.0	0.0	
40	QPSK	1	214	23.17	23.20	23.13	23.0	1.0	
40	QPSK	108	0	22.15	22.16	22.01			
40	QPSK	108	54	23.06	23.06	22.91			
40	QPSK	108	108	21.95	22.02	21.89	23.0	1.0	
40	QPSK	216	0	22.09	22.12	21.99			
40	16QAM	1	1	22.38	22.45	22.31	23.0	1.0	
40	64QAM	1	1	20.55	20.61	20.55	21.5	2.5	
40	256QAM	1	1	18.79	18.88	18.72	19.5	4.5	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1665	1662.5	1660			
30	PI2 BPSK	1	1	23.20	23.21	23.10	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1662.5	1662.5	1662.5			
25	PI2 BPSK	1	1	23.16	23.15	23.09	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1660	1662.5	1665			
20	PI2 BPSK	1	1	23.15	23.17	23.11	24.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1657.5	1662.5	1667.5			
15	PI2 BPSK	1	1	23.17	23.21	23.12	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1655	1662.5	1670			
10	PI2 BPSK	1	1	23.15	23.24	23.15	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1652.5	1662.5	1672.5			
5	PI2 BPSK	1	1	23.23	23.25	23.05	24.0	0.0	

n25_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000			
Frequency (MHz)				1670	1662.5	1665			
40	PI2 BPSK	1	1	23.16	23.28	23.27	24.0	0.0	
40	PI2 BPSK	1	108	22.92	22.83	22.88			
40	PI2 BPSK	1	214	22.76	22.79	22.76			
40	PI2 BPSK	108	0	22.67	22.70	22.68	23.5	0.5	
40	PI2 BPSK	108	54	23.14	23.24	23.22	24.0	0.0	
40	PI2 BPSK	108	108	22.80	22.81	22.89	23.5	0.5	
40	PI2 BPSK	216	0	22.81	22.86	22.84			
40	QPSK	1	1	22.91	23.04	23.03			
40	QPSK	1	108	23.18	23.26	23.21	24.0	0.0	
40	QPSK	1	214	23.13	23.22	23.16	23.0	1.0	
40	QPSK	108	0	22.10	22.23	22.21			
40	QPSK	108	54	23.06	23.17	23.12			
40	QPSK	108	108	22.02	22.16	22.13	23.0	1.0	
40	QPSK	216	0	22.15	22.30	22.23			
40	16QAM	1	1	21.83	21.98	21.88	23.0	1.0	
40	64QAM	1	1	20.75	20.90	20.80	21.5	2.5	
40	256QAM	1	1	18.81	18.95	18.95	19.5	4.5	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1665	1662.5	1660			
30	PI2 BPSK	1	1	23.11	23.13	23.20	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1662.5	1662.5	1662.5			
25	PI2 BPSK	1	1	23.03	23.19	23.13	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1660	1662.5	1665			
20	PI2 BPSK	1	1	23.10	23.18	23.22	24.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1657.5	1662.5	1667.5			
15	PI2 BPSK	1	1	23.06	23.12	23.17	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1655	1662.5	1660			
10	PI2 BPSK	1	1	23.10	23.17	23.11	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1662.5	1662.5	1912.5 <th></th> <th colspan="2"></th>			
5	PI2 BPSK	1	1	23.08	23.22	23.12	24.0	0.0	



n26_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				834	831.5	839			
20	Pl2 BPSK	1	1	23.18	23.19	23.03	24.0	0.0	
20	Pl2 BPSK	1	53	23.17	23.18	22.89			
20	Pl2 BPSK	1	104	23.04	22.92	22.83			
20	Pl2 BPSK	50	0	23.02	23.04	22.88	24.0	0.0	
20	Pl2 BPSK	50	28	23.08	23.13	22.86	24.0	0.0	
20	Pl2 BPSK	50	56	23.02	22.96	22.78	24.0	0.0	
20	Pl2 BPSK	100	0	23.07	23.08	22.96			
20	QPSK	1	1	23.02	23.07	23.02			
20	QPSK	1	53	23.02	23.11	23.06	24.0	0.0	
20	QPSK	1	104	22.87	22.87	22.71			
20	QPSK	50	0	22.49	22.56	22.50			
20	QPSK	50	28	23.02	23.01	23.05	24.0	0.0	
20	QPSK	50	56	22.41	22.41	22.28	23.5	0.5	
20	QPSK	100	0	22.44	22.49	22.36			
20	16QAM	1	1	22.33	22.39	22.26			
20	64QAM	1	1	20.99	21.05	20.97	22.0	2.0	
20	256QAM	1	1	19.15	19.26	19.10	20.0	4.0	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				827.5 <th>831.5<th>841.5</th></th>	831.5 <th>841.5</th>	841.5			
15	Pl2 BPSK	1	1	23.00	23.14	22.87	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819 <th>831.5<th>841</th></th>	831.5 <th>841</th>	841			
10	Pl2 BPSK	1	1	23.02	23.04	22.98	24.0	0.0	
Channel				163300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				818.5 <th>831.5<th>848.5</th></th>	831.5 <th>848.5</th>	848.5			
5	Pl2 BPSK	1	1	23.09	23.10	22.95	24.0	0.0	

n30_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				462000					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1		23.30		24.0	0.0	
10	Pl2 BPSK	1	26		23.17				
10	Pl2 BPSK	1	50		23.11				
10	Pl2 BPSK	25	0		22.72		23.5	0.5	
10	Pl2 BPSK	25	14		23.23		24.0	0.0	
10	Pl2 BPSK	25	27		22.56		23.5	0.5	
10	Pl2 BPSK	50	0		22.74				
10	QPSK	1	1		23.29				
10	QPSK	1	26		23.28		24.0	0.0	
10	QPSK	1	50		23.19				
10	QPSK	25	0		22.45				
10	QPSK	25	14		22.94		24.0	1.0	
10	QPSK	25	27		22.40		23.0	1.0	
10	QPSK	50	0		22.41				
10	16QAM	1	1		22.41		23.0	1.0	
10	64QAM	1	1		21.02		21.5	2.5	
10	256QAM	1	1		19.03		19.5	4.5	
Channel				481500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	Pl2 BPSK	1	1	23.13	23.28	23.18	24.0	0.0	

n30_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit	MPR	
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.			
Channel				462000					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1		23.28		24.0	0.0	
10	Pl2 BPSK	1	28		23.21				
10	Pl2 BPSK	1	50		23.19				
10	Pl2 BPSK	25	0		22.89		23.5	0.5	
10	Pl2 BPSK	25	14		23.19		24.0	0.0	
10	Pl2 BPSK	25	27		22.67		23.5	0.5	
10	Pl2 BPSK	50	0		22.68				
10	QPSK	1	1		23.28				
10	QPSK	1	28		23.27		24.0	0.0	
10	QPSK	1	50		23.17				
10	QPSK	25	0		22.20				
10	QPSK	25	14		23.18		24.0	0.0	
10	QPSK	25	27		22.20		23.0	1.0	
10	QPSK	50	0		22.17				
10	16QAM	1	1		22.14		23.0	1.0	
10	64QAM	1	1		20.95		21.5	2.5	
10	256QAM	1	1		18.87		19.5	4.5	
Channel				481500	462000	462500	Tune-up limit	MPR	
Frequency (MHz)				2307.5	2310	2312.5			
5	Pl2 BPSK	1	1	23.03	23.16	23.08	24.0	0.0	



n66_Ant 1									
BW [MHz]	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	346000	352000			
Frequency (MHz)				1750	1745	1760			
40	PI2 BPSK	1	1	23.17	23.28	23.15	24.0	0.0	
40	PI2 BPSK	1	108	23.13	23.27	23.12			
40	PI2 BPSK	1	214	23.11	23.16	23.10			
40	PI2 BPSK	108	0	22.46	22.47	22.49	23.5	0.5	
40	PI2 BPSK	108	54	23.11	23.22	23.10	24.0	0.0	
40	PI2 BPSK	108	108	22.52	22.49	22.48	23.5	0.5	
40	PI2 BPSK	216	0	22.37	22.50	22.35			
40	QPSK	1	1	22.50	23.00	22.85			
40	QPSK	1	108	22.88	22.88	22.81	24.0	0.0	
40	QPSK	1	214	22.82	22.84	22.75	23.0	1.0	
40	QPSK	108	0	21.85	21.87	21.73			
40	QPSK	108	54	22.75	22.84	22.72			
40	QPSK	108	108	21.83	22.02	21.96	23.0	1.0	
40	QPSK	216	0	21.85	21.89	21.77			
40	16QAM	1	1	22.16	22.20	22.07	23.0	1.0	
40	64QAM	1	1	20.74	20.84	20.72	21.5	2.5	
40	256QAM	1	1	18.65	18.65	18.50	19.5	4.5	
Channel				345000	346000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	22.88	22.87	22.87	24.0	0.0	
Channel				344000	346000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	22.89	22.89	22.83	24.0	0.0	
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	1	22.97	22.79	22.81	24.0	0.0	
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	1	22.96	22.76	22.87	24.0	0.0	
Channel				342000	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	1	22.97	22.86	22.82	24.0	0.0	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	346000	350000			
Frequency (MHz)				1750	1745	1760			
40	PI2 BPSK	1	1	23.16	23.23	23.06	24.0	0.0	
40	PI2 BPSK	1	108	22.91	23.15	22.95			
40	PI2 BPSK	1	214	22.99	22.99	22.77			
40	PI2 BPSK	108	0	22.55	22.44	22.55	23.5	0.5	
40	PI2 BPSK	108	54	23.04	23.17	22.98	24.0	0.0	
40	PI2 BPSK	108	108	22.69	22.52	22.34	23.5	0.5	
40	PI2 BPSK	216	0	22.52	22.63	22.33			
40	QPSK	1	1	22.97	23.06	22.94			
40	QPSK	1	108	23.17	23.20	23.14	24.0	0.0	
40	QPSK	1	214	22.89	22.89	22.83	23.0	1.0	
40	QPSK	108	0	21.76	21.73	21.68			
40	QPSK	108	54	23.12	23.10	22.99			
40	QPSK	108	108	21.78	21.75	21.72	23.0	1.0	
40	QPSK	216	0	21.85	21.91	21.79			
40	16QAM	1	1	21.88	21.96	21.84	23.0	1.0	
40	64QAM	1	1	20.52	20.54	20.40	21.5	2.5	
40	256QAM	1	1	18.67	18.65	18.50	19.5	4.5	
Channel				345000	346000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	22.90	23.16	22.96	24.0	0.0	
Channel				344000	346000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	22.91	23.09	22.96	24.0	0.0	
Channel				343000	346000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	1	22.94	23.19	22.93	24.0	0.0	
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	1	22.99	23.11	23.00	24.0	0.0	
Channel				342000	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	1	22.90	23.10	22.96	24.0	0.0	

n70_Ant 1									
BW [MHz]	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	346000	346000			
Frequency (MHz)				1702.5	1702.5	1702.5			
15	PI2 BPSK	1	1		23.28		24.0	0.0	
15	PI2 BPSK	1	40		23.24				
15	PI2 BPSK	1	77		23.27				
15	PI2 BPSK	36	0		22.61		23.5	0.5	
15	PI2 BPSK	36	22		23.24		24.0	0.0	
15	PI2 BPSK	36	43		22.89		23.5	0.5	
15	PI2 BPSK	75	0		22.80				
15	QPSK	1	1		23.23				
15	QPSK	1	40		23.22		24.0	0.0	
15	QPSK	1	77		23.26				
15	QPSK	36	0		22.20				
15	QPSK	36	22		23.24		24.0	0.0	
15	QPSK	36	43		22.31		23.0	1.0	
15	QPSK	75	0		22.24				
15	16QAM	1	1		22.23		23.0	1.0	
15	64QAM	1	1		20.98		21.5	2.5	
15	256QAM	1	1		18.62		19.5	4.5	
Channel				345000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1699	1702.5	1705			
10	PI2 BPSK	1	1	23.27	23.27	23.22	24.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	PI2 BPSK	1	1	23.24	23.25	23.26	24.0	0.0	



n70_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340000			24.0	0.0	
Frequency (MHz)				1702.5					
15	P12 BPSK	1	1	23.29					
15	P12 BPSK	1	40	23.24					
15	P12 BPSK	1	77	23.27			23.5	0.5	
15	P12 BPSK	36	0	22.56					
15	P12 BPSK	36	22	23.23					
15	P12 BPSK	36	43	22.81					
15	P12 BPSK	75	0	22.70			23.5	0.5	
15	QPSK	1	1	23.07					
15	QPSK	1	40	23.23					
15	QPSK	1	77	23.26					
15	QPSK	36	0	22.09			23.0	1.0	
15	QPSK	36	22	23.15					
15	QPSK	36	43	22.29					
15	QPSK	75	0	22.16					
15	16QAM	1	1	22.02			23.0	1.0	
15	16QAM	1	1	20.73					
15	256QAM	1	1	18.57					
15	256QAM	1	1	18.57					
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1600	1702.5	1705			
10	P12 BPSK	1	1	23.11	23.14	23.21	24.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1687.5	1702.5	1707.5			
5	P12 BPSK	1	1	23.12	23.22	23.26	24.0	0.0	

n71_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600	24.0	0.0	
Frequency (MHz)				673	680.5	688			
20	P12 BPSK	1	1	23.22	23.25	23.15			
20	P12 BPSK	1	53	23.14	23.12	23.10			
20	P12 BPSK	1	104	23.08	23.20	22.97	24.0	0.0	
20	P12 BPSK	50	0	22.85	22.89	22.97			
20	P12 BPSK	50	28	23.17	23.21	23.10			
20	P12 BPSK	50	56	23.01	22.95	22.87			
20	P12 BPSK	100	0	23.09	23.15	23.07	24.0	0.0	
20	QPSK	1	1	22.99	23.05	22.89			
20	QPSK	1	53	22.94	22.98	22.88			
20	QPSK	1	104	23.03	23.05	22.90			
20	QPSK	50	0	22.33	22.39	22.31	23.5	0.5	
20	QPSK	50	28	22.95	22.95	22.85			
20	QPSK	50	56	22.45	22.48	22.34			
20	QPSK	100	0	22.40	22.42	22.33			
20	16QAM	1	1	22.50	22.57	22.52	23.5	0.5	
20	16QAM	1	1	21.22	21.22	21.16			
20	256QAM	1	1	19.06	19.08	18.92			
20	256QAM	1	1	19.06	19.08	18.92			
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	P12 BPSK	1	1	23.18	23.20	23.12	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	P12 BPSK	1	1	23.16	23.12	23.12	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	P12 BPSK	1	1	23.10	23.21	23.09	24.0	0.0	

n71_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600	24.0	0.0	
Frequency (MHz)				672	680	688			
20	P12 BPSK	1	1	23.09	23.10	23.00			
20	P12 BPSK	1	53	22.82	22.95	22.95			
20	P12 BPSK	1	104	22.89	22.93	22.81	24.0	0.0	
20	P12 BPSK	50	0	22.85	22.83	22.85			
20	P12 BPSK	50	28	23.03	23.05	22.99			
20	P12 BPSK	50	56	22.91	22.89	22.81			
20	P12 BPSK	100	0	23.00	23.02	22.93	24.0	0.0	
20	QPSK	1	1	22.90	22.91	22.79			
20	QPSK	1	53	22.92	22.92	22.77			
20	QPSK	1	104	22.77	22.85	22.80			
20	QPSK	50	0	22.27	22.31	22.24	23.5	0.5	
20	QPSK	50	28	22.85	22.86	22.75			
20	QPSK	50	56	22.30	22.31	22.15			
20	QPSK	100	0	22.33	22.37	22.24			
20	16QAM	1	1	22.28	22.32	22.18	23.5	0.5	
20	16QAM	1	1	21.17	21.28	21.19			
20	256QAM	1	1	19.08	19.17	19.05			
20	256QAM	1	1	19.08	19.17	19.05			
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	P12 BPSK	1	1	22.94	22.90	22.90	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	P12 BPSK	1	1	22.93	22.94	22.93	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	P12 BPSK	1	1	23.04	23.02	22.85	24.0	0.0	



n41(FCC)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	20.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	18.83	19.14	18.95			
100	PI2 BPSK	1	137	18.69	18.10	18.79	20.0	0.0	
100	PI2 BPSK	1	271	18.78	19.09	18.94			
100	PI2 BPSK	135	0	18.77	19.00	18.85			
100	PI2 BPSK	135	69	18.80	18.12	18.93	20.0	0.0	
100	PI2 BPSK	135	138	18.78	19.00	18.69			
100	PI2 BPSK	270	0	18.76	19.10	18.92		20.0	
100	QPSK	1	1	18.67	19.04	18.65	20.0	0.0	
100	QPSK	1	137	18.74	18.03	18.70			
100	QPSK	1	271	18.69	19.05	18.64			
100	QPSK	135	0	18.75	18.07	18.96	20.0	0.0	
100	QPSK	135	69	18.80	18.01	18.05			
100	QPSK	135	138	18.62	18.93	18.92			
100	QPSK	270	0	17.66	18.93	17.53	19.0	1.0	
100	16QAM	1	1	17.71	18.04	17.96			
100	16QAM	1	1	16.30	16.55	16.42		17.5	
100	16QAM	1	1	16.30	16.55	16.42	17.5	2.5	
100	256QAM	1	1	14.36	14.59	14.54			
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	18.77	18.10	18.12		20.0	
Channel				507204	518598	529098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI2 BPSK	1	1	18.88	19.07	18.87		20.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2645			
70	PI2 BPSK	1	1	18.58	19.06	18.67		20.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI2 BPSK	1	1	18.83	18.13	18.81	20.0	0.0	
Channel				504204	518598	532098			
Frequency (MHz)				2521.02	2592.99	2664.99		20.0	
50	PI2 BPSK	1	1	18.58	19.06	19.01	20.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2610			
40	PI2 BPSK	1	1	18.65	19.02	18.70	20.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98		20.0	
30	PI2 BPSK	1	1	18.76	18.04	18.73			
Channel				501204	518598	532098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	18.82	18.13	18.83		20.0	

n41(FCC)_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	24.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	23.22	23.24	23.23			
100	PI2 BPSK	1	137	23.19	23.21	23.20	24.0	0.0	
100	PI2 BPSK	1	271	23.10	23.23	23.21			
100	PI2 BPSK	135	0	22.97	23.14	23.13			
100	PI2 BPSK	135	69	23.12	23.22	23.15	24.0	0.0	
100	PI2 BPSK	135	138	23.01	23.21	23.10			
100	PI2 BPSK	270	0	23.04	23.09	23.06		24.0	
100	QPSK	1	1	23.04	23.18	23.05	24.0	0.0	
100	QPSK	1	137	22.86	22.93	22.90			
100	QPSK	1	271	23.07	23.20	23.15			
100	QPSK	135	0	22.90	23.06	22.94	24.0	0.0	
100	QPSK	135	69	22.82	22.93	22.88			
100	QPSK	135	138	22.82	22.97	22.84			
100	QPSK	270	0	21.82	22.04	21.96	23.0	1.0	
100	16QAM	1	1	21.79	22.08	21.98			
100	16QAM	1	1	20.21	20.42	20.38		21.5	
100	16QAM	1	1	20.21	20.42	20.38	21.5	2.5	
100	256QAM	1	1	18.65	18.73	18.74			
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	22.84	23.08	23.07		24.0	
Channel				507204	518598	529098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI2 BPSK	1	1	22.79	23.13	23.04		24.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2644			
70	PI2 BPSK	1	1	22.84	23.16	23.07		24.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI2 BPSK	1	1	22.86	23.16	23.00	24.0	0.0	
Channel				504204	518598	532098			
Frequency (MHz)				2521.02	2592.99	2664.99		20.0	
50	PI2 BPSK	1	1	22.77	23.12	23.00	24.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2610			
40	PI2 BPSK	1	1	22.75	23.09	22.96	24.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98		24.0	
30	PI2 BPSK	1	1	22.84	23.17	23.07			
Channel				501204	518598	532098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	22.84	23.12	23.04		24.0	

n41(FCC)_Ant 7(HPUe)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	27.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	25.84	26.14	25.93			
100	PI2 BPSK	1	137	25.82	26.05	25.88	27.0	0.0	
100	PI2 BPSK	1	271	25.77	26.05	25.89			
100	PI2 BPSK	135	0	25.72	25.83	25.45		26.5	
100	PI2 BPSK	135	69	25.83	25.06	25.90	27.0	0.0	
100	PI2 BPSK	135	138	25.57	25.69	25.48			
100	PI2 BPSK	270	0	25.60	25.66	25.47		26.5	
100	QPSK	1	1	25.89	25.98	25.89	27.0	0.0	
100	QPSK	1	137	25.53	25.63	25.51			
100	QPSK	1	271	25.56	25.73	25.49			
100	QPSK	135	0	25.64	25.64	25.81	27.0	0.0	
100	QPSK	135	69	25.63	25.65	25.53			
100	QPSK	135	138	25.22	25.29	25.18			
100	QPSK	270	0	24.86	25.02	24.82	26.0	1.0	
100	16QAM	1	1	24.89	25.03	24.89			
100	64QAM	1	1	23.52	23.58	23.49		24.5	
100	256QAM	1	1	21.74	21.85	21.68	22.5	4.5	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)	
90	PI2 BPSK	1	1	25.72	26.06	25.07	27.0	0.0	
Channel				509202	518598	528000			
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	25.79	26.07	25.78	27.0	0.0	
Channel				508200	518598	531996			
Frequency (MHz)				2536	2592.99	2659.98			
60	PI2 BPSK	1	1	25.75	26.07	25.72	27.0	0.0	
Channel				509202	518598	528000			
Frequency (MHz)				2532.19	2592.99	2644.98			
60	PI2 BPSK	1	1	25.69	26.08	25.71	27.0	0.0	
Channel				505302	518598	534000			
Frequency (MHz)				2518.11	2592.99	2670			
40	PI2 BPSK	1	1	25.70	25.99	25.67	27.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511.11	2592.99	2674.98			
30	PI2 BPSK	1	1	25.73	26.04	25.78	27.0	0.0	
Channel				509202	518598	531996			
Frequency (MHz)				2505.02	2592.99	2679.99			
30	PI2 BPSK	1	1	25.75	26.03	25.77	27.0	0.0	

n41(FCC)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	24.0	0.0	
Frequency (MHz)				2544.01	2592.99	2640			
100	PI2 BPSK	1	1	23.12	23.25	23.15	24.0	0.0	
100	PI2 BPSK	1	137	23.06	23.15	23.11			
100	PI2 BPSK	1	271	23.05	23.21	23.12			
100	PI2 BPSK	135	0	23.02	23.08	23.05			
100	PI2 BPSK	135	69	23.06	23.19	23.08	24.0	0.0	
100	PI2 BPSK	135	138	23.04	23.08	23.07	24.0	0.0	
100	PI2 BPSK	270	0	23.01	23.06	23.05	24.0	0.0	
100	QPSK	1	1	23.05	23.18	23.12	24.0	0.0	
100	QPSK	1	137	22.97	23.03	22.98			
100	QPSK	1	271	23.02	23.16	23.03			
100	QPSK	135	0	22.84	22.86	22.85			
100	QPSK	135	69	22.90	22.95	22.96	24.0	0.0	
100	QPSK	135	138	22.96	22.84	22.83			
100	QPSK	270	0	22.06	22.13	22.04			
100	16QAM	1	1	22.05	22.11	22.03		1.0	
100	64QAM	1	1	20.42	20.52	20.48	21.5	2.5	
100	256QAM	1	1	18.54	18.58	18.56	19.5	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	24.0	0.0	
90	PI2 BPSK	1	1	22.79	23.18	22.89	24.0	0.0	
Channel				507204	518598	529596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	24.0	0.0	
80	PI2 BPSK	1	1	22.75	23.18	22.99	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2651	24.0	0.0	
70	PI2 BPSK	1	1	22.68	23.18	22.95	24.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	24.0	0.0	
60	PI2 BPSK	1	1	22.78	23.16	22.95	24.0	0.0	
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	24.0	0.0	
50	PI2 BPSK	1	1	22.70	23.16	22.92	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	24.0	0.0	
40	PI2 BPSK	1	1	22.75	23.17	22.92	24.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	24.0	0.0	
30	PI2 BPSK	1	1	22.76	23.19	22.97	24.0	0.0	
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	24.0	0.0	
20	PI2 BPSK	1	1	22.79	23.22	22.96	24.0	0.0	

n41(FCC)_Ant 8(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	27.0	0.0	
Frequency (MHz)				2544.01	2592.99	2640			
100	PI2 BPSK	1	1	25.05	25.88	25.56	27.0	0.0	
100	PI2 BPSK	1	137	25.43	25.80	25.53			
100	PI2 BPSK	1	271	25.21	25.55	25.37			
100	PI2 BPSK	135	0	25.21	25.36	25.03			
100	PI2 BPSK	135	69	25.02	25.81	25.50	27.0	0.0	
100	PI2 BPSK	135	138	25.26	25.29	25.28	26.5	0.5	
100	PI2 BPSK	270	0	24.99	25.33	24.93	27.0	0.0	
100	QPSK	1	1	25.71	25.78	25.70			
100	QPSK	1	137	25.32	25.63	25.54			
100	QPSK	1	271	25.41	25.49	25.41			
100	QPSK	135	0	25.09	25.15	25.02	27.0	0.0	
100	QPSK	135	69	25.38	25.43	25.30			
100	QPSK	135	138	25.06	25.11	25.05			
100	QPSK	270	0	24.99	25.06	24.88			
100	16QAM	1	1	25.00	25.05	24.89	26.0	1.0	
100	64QAM	1	1	23.31	23.46	23.30	24.5	2.5	
100	256QAM	1	1	21.42	21.50	21.40	22.5	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	27.0	0.0	
90	PI2 BPSK	1	1	25.19	25.74	25.34	27.0	0.0	
Channel				507204	518598	529596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	27.0	0.0	
80	PI2 BPSK	1	1	25.19	25.79	25.32	27.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2651	27.0	0.0	
70	PI2 BPSK	1	1	25.21	25.74	25.37	27.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	27.0	0.0	
60	PI2 BPSK	1	1	25.25	25.73	25.41	27.0	0.0	
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	27.0	0.0	
50	PI2 BPSK	1	1	25.25	25.80	25.39	27.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	27.0	0.0	
40	PI2 BPSK	1	1	25.23	25.79	25.41	27.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	27.0	0.0	
30	PI2 BPSK	1	1	25.23	25.77	25.42	27.0	0.0	
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	27.0	0.0	
20	PI2 BPSK	1	1	25.22	25.72	25.42	27.0	0.0	

n41(FCC)_Ant 9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	20.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	18.94	19.07	18.86			
100	PI2 BPSK	1	137	18.93	18.94	18.82	20.0	0.0	
100	PI2 BPSK	1	271	18.98	18.84	18.82			
100	PI2 BPSK	135	0	18.79	18.95	18.58			
100	PI2 BPSK	135	69	18.89	19.05	18.82	20.0	0.0	
100	PI2 BPSK	135	138	18.63	18.85	18.64			
100	PI2 BPSK	270	0	18.96	19.02	18.73			
100	QPSK	1	1	18.90	19.00	18.84	20.0	0.0	
100	QPSK	1	137	18.84	18.82	18.81			
100	QPSK	1	271	18.72	18.91	18.78			
100	QPSK	135	0	18.80	18.88	18.76	20.0	0.0	
100	QPSK	135	69	18.87	18.85	18.96			
100	QPSK	135	135	18.84	18.78	18.92			
100	QPSK	270	0	17.84	18.07	17.78	19.0	1.0	
100	16QAM	1	1	17.84	18.13	17.81			
100	16QAM	1	1	16.43	16.51	16.42			
100	256QAM	1	1	14.38	14.49	14.32	15.5	4.5	
Channel				506200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	18.95	18.90	18.84		0.0	
Channel				507204	518598	529098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2636.02	2592.99	2649.99			
80	PI2 BPSK	1	1	19.01	18.91	18.83		0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2631.01	2592.99	2645			
70	PI2 BPSK	1	1	18.87	18.97	18.79		0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI2 BPSK	1	1	18.81	18.80	18.05		0.0	
Channel				504204	518598	532098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2654.99			
50	PI2 BPSK	1	1	18.78	18.98	18.59		0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2650			
40	PI2 BPSK	1	1	18.88	18.81	18.73		0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI2 BPSK	1	1	18.82	19.03	18.69		0.0	
Channel				501204	518598	535098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505.02	2592.99	2679.99			
20	PI2 BPSK	1	1	18.70	19.00	18.73		0.0	

Part27Q_n77_Ant 4									
SW [MHz]	Modulation	RB Com	SB Offset	Power Level Ch. 1 [Freq]	Power Level Ch. 2 [Freq]	Power Level Ch. 3 [Freq]	Turnup time [sec]	MRP [dB]	
Channel									
Frequency [MHz]									
100	P10-BPSK	1	1	23.15					
100	P10-BPSK	1	1W	23.16			24.0	0.0	
100	P10-BPSK	1	271	23.17					
100	P10-BPSK	10	3	23.12			24.0	0.0	
100	P10-BPSK	130	66	23.14			24.0	0.0	
100	P10-BPSK	130	130	23.11			24.0	0.0	
100	P10-BPSK	200	2	23.10					
100	QPSK	1	1	23.20					
100	QPSK	1	1W	23.13			24.0	0.0	
100	QPSK	1	271	23.24					
100	QPSK	130	6	23.16					
100	QPSK	130	65	23.13			24.0	0.0	
100	QPSK	130	130	23.14					
100	QPSK	200	3	23.07			24.0	0.0	
100	QPSK	1	1	23.04			23.0	1.0	
100	QPSK	1	1	23.04			23.5	2.5	
100	QPSK	1	1	23.00			18.0	4.5	
Channel									
Frequency [MHz]									
90	P10-BPSK	1	1	23.05	23.16	23.19	24.0	0.0	
Channel									
Frequency [MHz]									
80	P10-BPSK	1	1	23.75	23.04	23.00	24.0	0.0	
Channel									
Frequency [MHz]									
70	P10-BPSK	1	1	23.74	23.00	23.00	24.0	0.0	
Channel									
Frequency [MHz]									
60	P10-BPSK	1	1	23.72	23.00	23.00	24.0	0.0	
Channel									
Frequency [MHz]									
50	P10-BPSK	1	1	23.73	23.07	23.07	24.0	0.0	
Channel									
Frequency [MHz]									
40	P10-BPSK	1	1	23.73	23.16	23.16	24.0	0.0	
Channel									
Frequency [MHz]									
30	P10-BPSK	1	1	23.71	23.07	23.00	24.0	0.0	
Channel									
Frequency [MHz]									
20	P10-BPSK	1	1	23.71	23.02	23.07	24.0	0.0	

Part27Q_n77_Ant 4(HPUE)									
SW [MHz]	Modulation	RB Com	SB Offset	Power Level Ch. 1 [Freq]	Power Level Ch. 2 [Freq]	Power Level Ch. 3 [Freq]	Turnup time [sec]	MRP [dB]	
Channel									
Frequency [MHz]									
100	P10-BPSK	1	1	23.15					
100	P10-BPSK	1	1W	23.06			27.0	0.0	
100	P10-BPSK	1	271	23.73					
100	P10-BPSK	10	3	23.20			26.5	0.5	
100	P10-BPSK	130	66	23.05			27.0	0.0	
100	P10-BPSK	130	130	23.16			26.5	0.5	
100	P10-BPSK	200	2	23.10					
100	QPSK	1	1	23.27					
100	QPSK	1	1W	23.03			27.0	0.0	
100	QPSK	1	271	23.74					
100	QPSK	130	6	23.11					
100	QPSK	130	65	23.13			27.0	0.0	
100	QPSK	130	130	23.13					
100	QPSK	200	3	23.77			26.0	1.0	
100	QPSK	1	1	23.04			26.0	1.0	
100	QPSK	1	1	23.02			24.5	2.5	
100	QPSK	1	1	23.01			22.0	4.5	
Channel									
Frequency [MHz]									
90	P10-BPSK	1	1	23.05	23.06	23.04	27.0	0.0	
Channel									
Frequency [MHz]									
80	P10-BPSK	1	1	23.69	23.00	23.00	27.0	0.0	
Channel									
Frequency [MHz]									
70	P10-BPSK	1	1	23.61	23.04	23.19	27.0	0.0	
Channel									
Frequency [MHz]									
60	P10-BPSK	1	1	23.62	23.00	23.00	27.0	0.0	
Channel									
Frequency [MHz]									
50	P10-BPSK	1	1	23.65	23.05	23.00	27.0	0.0	
Channel									
Frequency [MHz]									
40	P10-BPSK	1	1	23.67	23.16	23.16	27.0	0.0	
Channel									
Frequency [MHz]									
30	P10-BPSK	1	1	23.61	23.04	23.00	27.0	0.0	
Channel									
Frequency [MHz]									
20	P10-BPSK	1	1	23.61	23.02	23.00	27.0	0.0	

Part 270 n77_Ant 4									
BW (MHz)	Modulation	RB Com	SB Offset	Lower Ch. F (MHz)	Upper Ch. F (MHz)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	MPE (dB)
Channel									
Frequency (MHz)									
24.00									
100	PSS-BPSK	1	1	23.18	23.82	23.82			
100	PSS-BPSK	1	1W	23.05	23.95	23.97	24.0		0.0
100	PSS-BPSK	1	271	22.85	22.91	23.75			
100	PSS-BPSK	36	3	23.09	23.05	23.75	24.0		0.0
100	PSS-BPSK	130	66	23.01	23.05	23.75	24.0		0.0
100	PSS-BPSK	130	130	22.85	22.85	23.75	24.0		0.0
100	PSS-BPSK	206	2	23.11	23.05	23.75			
100	QPSK	1	1	23.85	22.88	23.87			
100	QPSK	1	1W	23.05	22.82	23.85	24.0		0.0
100	QPSK	1	271	22.88	22.82	23.85			
100	QPSK	130	5	23.82	22.87	23.85			
100	QPSK	130	66	23.07	23.48	23.77	24.0		0.0
100	QPSK	130	130	22.87	22.46	23.85			
100	QPSK	206	3	23.02	23.46	23.85	24.0		0.0
100	WCDMA	1	1	23.07	23.06	23.07	23.0		1.0
100	WCDMA	1	1	23.24	23.38	23.25	23.5	2.5	
100	WCDMA	1	1	18.87	18.92	18.87	18.5	4.5	
Channel									
Frequency (MHz)									
25.00									
90	PSS-BPSK	1	1	23.13	23.88	23.88	24.0		0.0
Channel									
Frequency (MHz)									
25.00									
80	PSS-BPSK	1	1	23.06	23.12	23.09	24.0		0.0
Channel									
Frequency (MHz)									
25.00									
70	PSS-BPSK	1	1	23.09	23.08	23.09	24.0		0.0
Channel									
Frequency (MHz)									
25.00									
60	PSS-BPSK	1	1	23.06	23.09	23.70	24.0		0.0
Channel									
Frequency (MHz)									
25.00									
50	PSS-BPSK	1	1	23.07	23.04	23.72	24.0		0.0
Channel									
Frequency (MHz)									
25.00									
40	PSS-BPSK	1	1	23.08	23.10	23.70	24.0		0.0
Channel									
Frequency (MHz)									
25.00									
30	PSS-BPSK	1	1	23.09	23.06	23.72	24.0		0.0
Channel									
Frequency (MHz)									
25.00									
20	PSS-BPSK	1	1	23.07	23.07	23.68	24.0		0.0

Part 270 n77_Ant 4(HPUE)									
BW (MHz)	Modulation	RB Com	SB Offset	Lower Ch. F (MHz)	Upper Ch. F (MHz)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	MPE (dB)
Channel									
Frequency (MHz)									
24.00									
100	PSS-BPSK	1	1	23.18	23.82	23.82			
100	PSS-BPSK	1	1W	23.02	23.26	23.72	27.0		0.0
100	PSS-BPSK	1	271	23.21	23.23	23.68			
100	PSS-BPSK	36	3	23.09	23.23	23.61	26.5		0.5
100	PSS-BPSK	130	66	23.23	23.30	23.67	27.0		0.0
100	PSS-BPSK	130	130	23.16	23.81	23.72	26.5		0.5
100	PSS-BPSK	206	2	23.25	23.87	23.75			
100	QPSK	1	1	23.81	23.11	23.84			
100	QPSK	1	1W	23.04	23.00	23.81	27.0		0.0
100	QPSK	1	271	23.04	23.02	23.81			
100	QPSK	130	5	23.82	23.10	23.12			
100	QPSK	130	66	23.01	23.06	23.04	27.0		0.0
100	QPSK	130	130	23.07	23.04	23.09			
100	QPSK	206	3	23.02	23.00	23.01	26.0		1.0
100	WCDMA	1	1	23.07	23.06	23.07	23.0		1.0
100	WCDMA	1	1	23.24	23.38	23.34	24.5	2.5	
100	WCDMA	1	1	17.87	17.90	17.87	17.5	4.5	
Channel									
Frequency (MHz)									
25.00									
90	PSS-BPSK	1	1	23.13	23.22	23.03	27.0		0.0
Channel									
Frequency (MHz)									
25.00									
80	PSS-BPSK	1	1	23.06	23.16	23.07	27.0		0.0
Channel									
Frequency (MHz)									
25.00									
70	PSS-BPSK	1	1	23.09	23.23	23.09	27.0		0.0
Channel									
Frequency (MHz)									
25.00									
60	PSS-BPSK	1	1	23.21	23.18	23.01	27.0		0.0
Channel									
Frequency (MHz)									
25.00									
50	PSS-BPSK	1	1	23.04	23.18	23.02	27.0		0.0
Channel									
Frequency (MHz)									
25.00									
40	PSS-BPSK	1	1	23.08	23.04	23.00	27.0		0.0
Channel									
Frequency (MHz)									
25.00									
30	PSS-BPSK	1	1	23.04	23.04	23.00	27.0		0.0
Channel									
Frequency (MHz)									
25.00									
20	PSS-BPSK	1	1	23.03	23.23	23.07	27.0		0.0

Part27Q n78_Ant 4									
BW (MHz)	Modulation	RB Com	SB Offset	Power Low Ch. 1 (Freq)	Power Normal Ch. 1 (Freq)	Power High Ch. 1 (Freq)	Turn-on (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
100	P10-BPSK	1	1		820.5				
100	P10-BPSK	1	1W		22.79		24.0	0.0	
100	P10-BPSK	1	271		22.90				
100	P10-BPSK	130	6		22.88		23.5	0.5	
100	P10-BPSK	130	66		22.88		24.0	0.0	
100	P10-BPSK	130	130		22.88				
100	P10-BPSK	208	2		22.88		23.5	0.5	
100	QPSK	1	1		22.82				
100	QPSK	1	1W		22.87		24.0	0.0	
100	QPSK	1	271		22.87				
100	QPSK	130	6		22.88				
100	QPSK	130	65		22.81		24.0	0.0	
100	QPSK	130	130		22.82				
100	QPSK	208	3		22.86		23.0	1.0	
100	QPSK	1	1		22.85		23.0	1.0	
100	QPSK	1	1		26.77		23.5	2.5	
100	QPSK	1	1		18.51		18.5	4.5	
Channel									
Frequency (MHz)									
90	P10-BPSK	1	1		820.5	820.50	Turnup (dB)	14.0	
90	P10-BPSK	1	1		22.74	22.84	23.0	0.0	
Channel									
Frequency (MHz)									
80	P10-BPSK	1	1		820.5	820.50	Turnup (dB)	14.0	
80	P10-BPSK	1	1		22.76	22.76	23.0	0.0	
Channel									
Frequency (MHz)									
70	P10-BPSK	1	1		820.5	820.50	Turnup (dB)	14.0	
70	P10-BPSK	1	1		22.72	22.72	23.0	0.0	
Channel									
Frequency (MHz)									
60	P10-BPSK	1	1		820.5	820.50	Turnup (dB)	14.0	
60	P10-BPSK	1	1		22.71	22.71	23.0	0.0	
Channel									
Frequency (MHz)									
50	P10-BPSK	1	1		820.5	820.50	Turnup (dB)	14.0	
50	P10-BPSK	1	1		22.69	22.69	23.0	0.0	
Channel									
Frequency (MHz)									
40	P10-BPSK	1	1		820.5	820.50	Turnup (dB)	14.0	
40	P10-BPSK	1	1		22.73	22.73	23.0	0.0	
Channel									
Frequency (MHz)									
30	P10-BPSK	1	1		820.5	820.50	Turnup (dB)	14.0	
30	P10-BPSK	1	1		22.75	22.75	23.0	0.0	
Channel									
Frequency (MHz)									
20	P10-BPSK	1	1		820.5	820.50	Turnup (dB)	14.0	
20	P10-BPSK	1	1		22.75	22.84	23.0	0.0	

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BW (MHz)	Modulation	RB Com	SB Offset	Power Low Ch. 1 (Freq)	Power Normal Ch. 1 (Freq)	Power High Ch. 1 (Freq)	Turn-on (dB)	MPE	
Channel									
Frequency (MHz)									
100	P10-BPSK	1	1		820.5				
100	P10-BPSK	1	1W		22.68		24.0	0.0	
100	P10-BPSK	1	271		22.84				
100	P10-BPSK	36	3		22.85		23.5	0.5	
100	P10-BPSK	130	66		22.82		24.0	0.0	
100	P10-BPSK	130	130		22.84				
100	P10-BPSK	208	2		22.85		23.5	0.5	
100	QPSK	1	1		22.82				
100	QPSK	1	1W		22.82		24.0	0.0	
100	QPSK	1	271		22.82				
100	QPSK	130	6		22.83				
100	QPSK	130	65		22.75		24.0	0.0	
100	QPSK	130	130		22.85				
100	QPSK	208	3		22.84		23.0	1.0	
100	QPSK	1	1		22.78		23.0	1.0	
100	QPSK	1	1		26.19		23.5	2.5	
100	QPSK	1	1		18.17		18.5	4.5	
Channel									
Frequency (MHz)									
90	P10-BPSK	1	1		820.5	820.50	Turn-on (dB)	14.0	
90	P10-BPSK	1	1		22.54	22.64	23.0	0.0	
Channel									
Frequency (MHz)									
80	P10-BPSK	1	1		820.5	820.50	Turn-on (dB)	14.0	
80	P10-BPSK	1	1		22.59	22.58	23.0	0.0	
Channel									
Frequency (MHz)									
70	P10-BPSK	1	1		820.5	820.50	Turn-on (dB)	14.0	
70	P10-BPSK	1	1		22.49	22.49	23.0	0.0	
Channel									
Frequency (MHz)									
60	P10-BPSK	1	1		820.5	820.50	Turn-on (dB)	14.0	
60	P10-BPSK	1	1		22.39	22.37	23.0	0.0	
Channel									
Frequency (MHz)									
50	P10-BPSK	1	1		820.5	820.50	Turn-on (dB)	14.0	
50	P10-BPSK	1	1		22.43	22.38	23.0	0.0	
Channel									
Frequency (MHz)									
40	P10-BPSK	1	1		820.5	820.50	Turn-on (dB)	14.0	
40	P10-BPSK	1	1		22.47	22.36	23.0	0.0	
Channel									
Frequency (MHz)									
30	P10-BPSK	1	1		820.5	820.50	Turn-on (dB)	14.0	
30	P10-BPSK	1	1		22.49	22.56	23.0	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			20.5	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		19.72		20.5	0.0	
100	PI/2 BPSK	1	137		19.66				
100	PI/2 BPSK	1	271		19.63				
100	PI/2 BPSK	135	0		19.44				
100	PI/2 BPSK	135	69		19.64		20.5	0.0	
100	PI/2 BPSK	135	138		19.50		20.5	0.0	
100	PI/2 BPSK	270	0		19.60				
100	QPSK	1	1		19.50		20.5	0.0	
100	QPSK	1	137		19.48				
100	QPSK	1	271		19.46				
100	QPSK	135	0		19.28				
100	QPSK	135	69		19.56		20.5	0.0	
100	QPSK	135	138		19.42				
100	QPSK	270	0		18.36		19.5	1.0	
100	16QAM	1	1		18.50		19.5	1.0	
100	64QAM	1	1		16.91		18.0	2.5	
100	256QAM	1	1		14.91		16.0	4.5	
Channel				633000	633334	633666	20.5	0.0	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1		19.61	19.64	19.66	20.5	0.0
Channel				632668	633334	634000	20.5	0.0	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1		19.62	19.65	19.71	20.5	0.0
Channel				632334	633334	634332	20.5	0.0	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI/2 BPSK	1	1		19.64	19.67	19.69	20.5	0.0
Channel				632000	633334	634666	20.5	0.0	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1		19.59	19.62	19.70	20.5	0.0
Channel				631668	633334	635000	20.5	0.0	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1		19.66	19.63	19.68	20.5	0.0
Channel				631334	633334	635332	20.5	0.0	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1		19.65	19.61	19.71	20.5	0.0
Channel				631000	633334	635666	20.5	0.0	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1		19.63	19.64	19.70	20.5	0.0
Channel				630668	633334	636000	20.5	0.0	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1		19.65	19.66	19.71	20.5	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	656000	662000	20.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.70	19.74	19.56	20.5	0.0
100	PI/2 BPSK	1	137	19.59	19.69	19.50		
100	PI/2 BPSK	1	271	19.45	19.51	19.35		
100	PI/2 BPSK	135	0	19.53	19.61	19.50		
100	PI/2 BPSK	135	69	19.57	19.69	19.53	20.5	0.0
100	PI/2 BPSK	135	138	19.26	19.44	19.33	20.5	0.0
100	PI/2 BPSK	270	0	19.41	19.66	19.32		
100	QPSK	1	1	19.56	19.71	19.59	20.5	0.0
100	QPSK	1	137	19.56	19.59	19.57		
100	QPSK	1	271	19.22	19.38	19.35		
100	QPSK	135	0	19.33	19.50	19.44		
100	QPSK	135	69	19.61	19.63	19.51	20.5	0.0
100	QPSK	135	138	19.21	19.38	19.22		
100	QPSK	270	0	18.71	18.61	18.57	19.5	1.0
100	16QAM	1	1	18.48	18.44	18.29	19.5	1.0
100	64QAM	1	1	17.00	16.80	16.86	18.0	2.5
100	256QAM	1	1	14.89	14.84	14.70	16.0	4.5
Channel				649668	656000	662332	20.5	0.0
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	19.72	19.71	19.56	20.5	0.0
Channel				649334	656000	662666	20.5	0.0
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	19.71	19.71	19.49	20.5	0.0
Channel				649000	656000	663000	20.5	0.0
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	19.71	19.69	19.54	20.5	0.0
Channel				648668	656000	663332	20.5	0.0
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	19.73	19.67	19.50	20.5	0.0
Channel				648334	656000	663666	20.5	0.0
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	19.72	19.70	19.53	20.5	0.0
Channel				648000	656000	664000	20.5	0.0
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	19.69	19.73	19.58	20.5	0.0
Channel				647668	656000	664332	20.5	0.0
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	19.71	19.72	19.52	20.5	0.0
Channel				647334	656000	664666	20.5	0.0
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	19.70	19.73	19.54	20.5	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			20.5	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		19.23		20.5	0.0	
100	PI/2 BPSK	1	137		18.78				
100	PI/2 BPSK	1	271		18.75		20.0	0.5	
100	PI/2 BPSK	135	0		18.51				
100	PI/2 BPSK	135	69		19.22		20.5	0.0	
100	PI/2 BPSK	135	138		18.70		20.0	0.5	
100	PI/2 BPSK	270	0		18.62				
100	QPSK	1	1		18.51		20.5	0.0	
100	QPSK	1	137		18.52				
100	QPSK	1	271		18.61		20.5	0.0	
100	QPSK	135	0		18.51				
100	QPSK	135	69		18.52		20.5	0.0	
100	QPSK	135	138		18.50				
100	QPSK	270	0		18.01		19.5	1.0	
100	16QAM	1	1		17.61		19.5	1.0	
100	64QAM	1	1		16.22		18.0	2.5	
100	256QAM	1	1		14.23		16.0	4.5	
Channel				633000	633334	640332	20.5	0.0	
Frequency (MHz)				3495	3500.01	3604.98			
90	PI/2 BPSK	1	1		19.17	19.22	19.00	20.5	0.0
Channel				632668	633334	640666	20.5	0.0	
Frequency (MHz)				3490.02	3500.01	3609.99			
80	PI/2 BPSK	1	1		19.02	19.21	19.10	20.5	0.0
Channel				632334	633334	641000	20.5	0.0	
Frequency (MHz)				3485.01	3500.01	3615			
70	PI/2 BPSK	1	1		18.94	19.20	19.09	20.5	0.0
Channel				632000	633334	641332	20.5	0.0	
Frequency (MHz)				3480	3500.01	3619.98			
60	PI/2 BPSK	1	1		19.02	19.19	19.20	20.5	0.0
Channel				631668	633334	641666	20.5	0.0	
Frequency (MHz)				3475.02	3500.01	3624.99			
50	PI/2 BPSK	1	1		19.13	19.15	19.18	20.5	0.0
Channel				631334	633334	642000	20.5	0.0	
Frequency (MHz)				3470.01	3500.01	3630			
40	PI/2 BPSK	1	1		19.21	19.21	19.12	20.5	0.0
Channel				631000	633334	642332	20.5	0.0	
Frequency (MHz)				3465	3500.01	3634.98			
30	PI/2 BPSK	1	1		19.17	19.20	19.22	20.5	0.0
Channel				630668	633334	642666	20.5	0.0	
Frequency (MHz)				3460.02	3500.01	3639.99			
20	PI/2 BPSK	1	1		19.04	19.21	19.10	20.5	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			20.5	0.0
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		19.62		20.0	0.5
100	PI/2 BPSK	1	137		19.61			
100	PI/2 BPSK	1	271		19.45		20.5	0.0
100	PI/2 BPSK	135	0		18.18			
100	PI/2 BPSK	135	69		19.61		20.0	0.5
100	PI/2 BPSK	135	138		18.65			
100	PI/2 BPSK	270	0		18.75		20.5	0.0
100	QPSK	1	1		19.45			
100	QPSK	1	137		19.36		20.5	0.0
100	QPSK	1	271		19.42			
100	QPSK	135	0		18.51		20.5	0.0
100	QPSK	135	69		19.19			
100	QPSK	135	138		18.50		19.5	1.0
100	QPSK	270	0		17.86			
100	16QAM	1	1		18.01		19.5	1.0
100	64QAM	1	1		16.79		18.0	2.5
100	256QAM	1	1		14.69		16.0	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	19.49	19.61	19.28	20.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	19.50	19.58	19.43	20.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	19.38	19.59	19.33	20.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	19.57	19.60	19.59	20.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	19.54	19.61	19.53	20.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	19.53	19.58	19.49	20.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	19.52	19.59	19.34	20.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	19.37	19.60	19.60	20.5	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	PI/2 BPSK	1	1		16.96		18.0	0.0	
100	PI/2 BPSK	1	137		16.92				
100	PI/2 BPSK	1	271		16.86		18.0	0.0	
100	PI/2 BPSK	135	0		16.85				
100	PI/2 BPSK	135	69		16.94		18.0	0.0	
100	PI/2 BPSK	135	138		16.79				
100	PI/2 BPSK	270	0		16.93		18.0	0.0	
100	QPSK	1	1		16.95				
100	QPSK	1	137		16.81		18.0	0.0	
100	QPSK	1	271		16.74				
100	QPSK	135	0		16.93		18.0	0.0	
100	QPSK	135	69		16.78				
100	QPSK	135	138		16.81		17.0	1.0	
100	QPSK	270	0		15.93				
100	16QAM	1	1		15.90		17.0	1.0	
100	64QAM	1	1		14.45		15.5	2.5	
100	256QAM	1	1		12.45		13.5	4.5	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1		16.74	16.78	16.68	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1		16.91	16.82	16.75	18.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI/2 BPSK	1	1		16.58	16.55	16.61	18.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1		16.70	16.61	16.55	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1		16.81	16.63	16.63	18.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1		16.81	16.57	16.83	18.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1		16.60	16.76	16.57	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1		16.76	16.76	16.59	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				650000	656000	662000	18.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.83	16.98	16.93	18.0	0.0
100	PI/2 BPSK	1	137	16.73	16.72	16.82		
100	PI/2 BPSK	1	271	16.82	16.85	16.78	18.0	0.0
100	PI/2 BPSK	135	0	16.75	16.78	16.81		
100	PI/2 BPSK	135	69	16.80	16.96	16.90	18.0	0.0
100	PI/2 BPSK	135	138	16.54	16.80	16.78		
100	PI/2 BPSK	270	0	16.75	16.94	16.85	18.0	0.0
100	QPSK	1	1	16.67	16.73	16.87		
100	QPSK	1	137	16.78	16.88	16.77	18.0	0.0
100	QPSK	1	271	16.66	16.72	16.91		
100	QPSK	135	0	16.57	16.79	16.84	18.0	0.0
100	QPSK	135	69	16.70	16.93	16.72		
100	QPSK	135	138	16.69	16.84	16.80	17.0	1.0
100	QPSK	270	0	16.77	15.82	15.71		
100	16QAM	1	1	15.75	15.86	15.57	17.0	1.0
100	64QAM	1	1	14.48	14.60	14.48	15.5	2.5
100	256QAM	1	1	12.30	12.50	12.34	13.5	4.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	16.72	16.70	16.97	18.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	16.57	16.90	16.72	18.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	16.91	16.88	16.77	18.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	16.63	16.94	16.86	18.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	16.82	16.91	16.69	18.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	16.66	16.72	16.73	18.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	16.87	16.95	16.67	18.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	16.81	16.80	16.84	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	PI/2 BPSK	1	1		16.94		18.0	0.0
100	PI/2 BPSK	1	137		16.92			
100	PI/2 BPSK	1	271		16.90		18.0	0.0
100	PI/2 BPSK	135	0		16.73			
100	PI/2 BPSK	135	69		16.92		18.0	0.0
100	PI/2 BPSK	135	138		16.76		18.0	0.0
100	PI/2 BPSK	270	0		16.90			
100	QPSK	1	1		16.76		18.0	0.0
100	QPSK	1	137		16.59			
100	QPSK	1	271		16.80		18.0	0.0
100	QPSK	135	0		16.90			
100	QPSK	135	69		16.83		18.0	0.0
100	QPSK	135	138		16.82			
100	QPSK	270	0		15.92		17.0	1.0
100	16QAM	1	1		15.90		17.0	1.0
100	64QAM	1	1		14.51		15.5	2.5
100	256QAM	1	1		13.47		13.5	4.5
Channel				633000	633334	640332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3604.98		
90	PI/2 BPSK	1	1	16.87	16.90	16.89	18.0	0.0
Channel				632668	633334	640666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3609.99		
80	PI/2 BPSK	1	1	16.87	16.91	16.92	18.0	0.0
Channel				632334	633334	641000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3615		
70	PI/2 BPSK	1	1	16.89	16.91	16.89	18.0	0.0
Channel				632000	633334	641332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3619.98		
60	PI/2 BPSK	1	1	16.91	16.93	16.91	18.0	0.0
Channel				631668	633334	641666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3624.99		
50	PI/2 BPSK	1	1	16.88	16.92	16.90	18.0	0.0
Channel				631334	633334	642000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3630		
40	PI/2 BPSK	1	1	16.89	16.92	16.89	18.0	0.0
Channel				631000	633334	642332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3634.98		
30	PI/2 BPSK	1	1	16.91	16.90	16.89	18.0	0.0
Channel				630668	633334	642666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3639.99		
20	PI/2 BPSK	1	1	16.90	16.92	16.93	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				650000			18.0	0.0
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		16.96		18.0	0.0
100	PI/2 BPSK	1	137		16.93			
100	PI/2 BPSK	1	271		16.84		18.0	0.0
100	PI/2 BPSK	135	0		16.78			
100	PI/2 BPSK	135	69		16.95		18.0	0.0
100	PI/2 BPSK	135	138		16.86		18.0	0.0
100	PI/2 BPSK	270	0		16.91			
100	QPSK	1	1		16.80		18.0	0.0
100	QPSK	1	137		16.90			
100	QPSK	1	271		16.83		18.0	0.0
100	QPSK	135	0		16.93			
100	QPSK	135	69		16.86		18.0	0.0
100	QPSK	135	138		16.91			
100	QPSK	270	0		15.95		17.0	1.0
100	16QAM	1	1		16.06		17.0	1.0
100	64QAM	1	1		14.52		15.5	2.5
100	256QAM	1	1		12.51		13.5	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	16.93	16.95	16.92	18.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	16.85	16.86	16.93	18.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	16.86	16.86	16.93	18.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	16.84	16.86	16.88	18.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	16.88	16.89	16.91	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	16.88	16.85	16.90	18.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	16.84	16.86	16.89	18.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	16.83	16.85	16.88	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				633000	633334		18.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.13		18.0	0.0
100	PI/2 BPSK	1	137		17.05			
100	PI/2 BPSK	1	271		17.01		18.0	0.0
100	PI/2 BPSK	135	0		17.06			
100	PI/2 BPSK	135	69		17.09		18.0	0.0
100	PI/2 BPSK	135	138		17.02			
100	PI/2 BPSK	270	0		16.83		18.0	0.0
100	QPSK	1	1		17.05			
100	QPSK	1	137		17.04		18.0	0.0
100	QPSK	1	271		17.03			
100	QPSK	135	0		17.08		18.0	0.0
100	QPSK	135	69		17.06			
100	QPSK	135	138		17.03		17.0	1.0
100	QPSK	270	0		16.02			
100	16QAM	1	1		16.33		17.0	1.0
100	64QAM	1	1		14.63		15.5	2.5
100	256QAM	1	1		12.51		13.5	4.5
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99	18.0	0.0
90	PI/2 BPSK	1	1	17.11	17.12	17.02	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	18.0	0.0
80	PI/2 BPSK	1	1	17.05	17.07	16.96	18.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98	18.0	0.0
70	PI/2 BPSK	1	1	17.03	17.03	16.94	18.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99	18.0	0.0
60	PI/2 BPSK	1	1	17.03	17.04	16.97	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	18.0	0.0
50	PI/2 BPSK	1	1	17.03	17.07	16.93	18.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98	18.0	0.0
40	PI/2 BPSK	1	1	17.04	17.06	16.97	18.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99	18.0	0.0
30	PI/2 BPSK	1	1	17.06	17.02	16.94	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	18.0	0.0
20	PI/2 BPSK	1	1	17.01	17.06	16.92	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				650000	656000	662000	18.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	17.13	17.16	16.82		
100	PI/2 BPSK	1	137	16.99	17.06	16.92	18.0	0.0
100	PI/2 BPSK	1	271	16.95	17.03	16.86		
100	PI/2 BPSK	135	0	16.92	16.98	16.96		
100	PI/2 BPSK	135	69	16.86	17.14	16.98	18.0	0.0
100	PI/2 BPSK	135	138	16.83	17.02	16.83		
100	PI/2 BPSK	270	0	16.89	17.10	16.91		
100	QPSK	1	1	16.85	17.05	16.89	18.0	0.0
100	QPSK	1	137	16.91	17.01	16.87		
100	QPSK	1	271	16.81	16.97	16.95		
100	QPSK	135	0	16.90	16.95	16.93	18.0	0.0
100	QPSK	135	69	16.86	16.91	16.78		
100	QPSK	135	138	16.41	16.61	16.50		
100	QPSK	270	0	15.96	16.01	15.82	17.0	1.0
100	16QAM	1	1	16.24	16.34	16.26	17.0	1.0
100	64QAM	1	1	14.45	14.61	14.55	15.5	2.5
100	256QAM	1	1	12.56	12.71	12.66	13.5	4.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98	18.0	0.0
90	PI/2 BPSK	1	1	17.08	17.06	16.77		
Channel				649334	656000	662666		
Frequency (MHz)				3740.01	3840	3939.99	18.0	0.0
80	PI/2 BPSK	1	1	17.07	17.09	16.72		
Channel				649000	656000	663000		
Frequency (MHz)				3735	3840	3945	18.0	0.0
70	PI/2 BPSK	1	1	17.04	17.07	16.72		
Channel				648668	656000	663332		
Frequency (MHz)				3730.02	3840	3949.98	18.0	0.0
60	PI/2 BPSK	1	1	17.03	17.10	16.75		
Channel				648334	656000	663666		
Frequency (MHz)				3725.01	3840	3954.99	18.0	0.0
50	PI/2 BPSK	1	1	17.06	17.06	16.77		
Channel				648000	656000	664000		
Frequency (MHz)				3720	3840	3960	18.0	0.0
40	PI/2 BPSK	1	1	17.08	17.11	16.75		
Channel				647668	656000	664332		
Frequency (MHz)				3715.02	3840	3964.98	18.0	0.0
30	PI/2 BPSK	1	1	17.06	17.06	16.76		
Channel				647334	656000	664666		
Frequency (MHz)				3710.01	3840	3969.99	18.0	0.0
20	PI/2 BPSK	1	1	17.08	17.09	16.75		

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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	PI/2 BPSK	1	1		17.12		18.0	0.0
100	PI/2 BPSK	1	137		17.11			
100	PI/2 BPSK	1	271		17.02			
100	PI/2 BPSK	135	0		16.61		17.5	0.5
100	PI/2 BPSK	135	69		17.10		18.0	0.0
100	PI/2 BPSK	135	138		16.51		17.5	0.5
100	PI/2 BPSK	270	0		16.53			
100	QPSK	1	1		17.11		18.0	0.0
100	QPSK	1	137		17.05			
100	QPSK	1	271		17.01			
100	QPSK	135	0		17.03		18.0	0.0
100	QPSK	135	69		17.09			
100	QPSK	135	138		17.05			
100	QPSK	270	0		16.11		17.0	1.0
100	16QAM	1	1		16.32		17.0	1.0
100	64QAM	1	1		14.58		15.5	2.5
100	256QAM	1	1		12.61		13.5	4.5
Channel				633000	633334	640332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3604.98		
90	PI/2 BPSK	1	1	17.10	17.03	17.07	18.0	0.0
Channel				632668	633334	640666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3609.99		
80	PI/2 BPSK	1	1	17.03	17.05	16.98	18.0	0.0
Channel				632334	633334	641000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3615		
70	PI/2 BPSK	1	1	17.05	17.06	16.98	18.0	0.0
Channel				632000	633334	641332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3619.98		
60	PI/2 BPSK	1	1	17.03	17.08	16.98	18.0	0.0
Channel				631668	633334	641666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3624.99		
50	PI/2 BPSK	1	1	17.00	17.03	16.99	18.0	0.0
Channel				631334	633334	642000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3630		
40	PI/2 BPSK	1	1	17.03	17.07	17.00	18.0	0.0
Channel				631000	633334	642332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3634.98		
30	PI/2 BPSK	1	1	17.00	17.06	17.01	18.0	0.0
Channel				630668	633334	642666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3639.99		
20	PI/2 BPSK	1	1	17.00	17.04	16.97	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				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		17.14		18.0	0.0
100	PI/2 BPSK	1	137		17.05			
100	PI/2 BPSK	1	271		17.01			
100	PI/2 BPSK	135	0		16.55		17.5	0.5
100	PI/2 BPSK	135	69		17.12		18.0	0.0
100	PI/2 BPSK	135	138		16.45		17.5	0.5
100	PI/2 BPSK	270	0		16.63			
100	QPSK	1	1		17.13		18.0	0.0
100	QPSK	1	137		17.11			
100	QPSK	1	271		17.05			
100	QPSK	135	0		17.06		18.0	0.0
100	QPSK	135	69		17.02			
100	QPSK	135	138		17.01			
100	QPSK	270	0		17.00		17.0	1.0
100	16QAM	1	1		16.33		17.0	1.0
100	64QAM	1	1		14.78		15.5	2.5
100	256QAM	1	1		12.75		13.5	4.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	17.07	17.10	17.06	18.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	17.08	17.10	17.04	18.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	17.08	17.12	17.06	18.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	17.05	17.13	17.05	18.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	17.10	17.09	17.03	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	17.07	17.11	17.03	18.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	17.09	17.10	17.03	18.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	17.07	17.11	17.03	18.0	0.0



Reduced Power Mode for 5G NR

n2_Ant 2 DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1800	1880	1900	22.5	0.0	
Frequency (MHz)				1800	1880	1900			
20	PI2 BPSK	1	1	21.38	21.60	21.45			
20	PI2 BPSK	1	53	21.29	21.43	21.40			
20	PI2 BPSK	1	104	21.32	21.37	21.35			
20	PI2 BPSK	50	0	21.28	21.41	21.36	22.5	0.0	
20	PI2 BPSK	50	28	21.33	21.48	21.41	22.5	0.0	
40	PI2 BPSK	50	56	21.32	21.43	21.40	22.5	0.0	
20	PI2 BPSK	100	0	21.30	21.45	21.38	22.5	0.0	
20	QPSK	1	1	21.32	21.45	21.39	22.5	0.0	
20	QPSK	1	53	21.31	21.42	21.40			
20	QPSK	1	104	21.29	21.43	21.35			
20	QPSK	50	0	21.31	21.44	21.40			
20	QPSK	50	28	21.31	21.42	21.36			
20	QPSK	50	56	21.28	21.42	21.37	22.5	0.0	
20	QPSK	100	0	21.33	21.41	21.37	22.5	0.0	
20	16QAM	1	1	21.29	21.46	21.40	22.5	0.0	
20	64QAM	1	1	20.33	20.51	20.40	21.5	1.0	
20	256QAM	1	1	18.57	18.70	18.64	18.5	3.0	
Channel				37500	37600	38000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5	22.5	0.0	
15	PI2 BPSK	1	1	21.31	21.28	21.33	22.5	0.0	
Channel				37100	37600	38100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	22.5	0.0	
10	PI2 BPSK	1	1	21.38	21.47	21.15	22.5	0.0	
Channel				37050	37600	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5	22.5	0.0	
5	PI2 BPSK	1	1	21.14	21.28	21.32	22.5	0.0	

n25_Ant 2 DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37400	37600	37600	22.5	0.0	
Frequency (MHz)				1870	1892.5	1902			
40	PI2 BPSK	1	1	21.62	21.76	21.71			
40	PI2 BPSK	1	108	21.61	21.67	21.63			
40	PI2 BPSK	1	214	21.55	21.66	21.60			
40	PI2 BPSK	108	0	21.51	21.68	21.62	22.5	0.0	
40	PI2 BPSK	108	54	21.60	21.73	21.70	22.5	0.0	
40	PI2 BPSK	108	108	21.56	21.70	21.68	22.5	0.0	
40	PI2 BPSK	216	0	21.58	21.71	21.65	22.5	0.0	
40	QPSK	1	1	21.65	21.75	21.64	22.5	0.0	
40	QPSK	1	108	21.65	21.74	21.65			
40	QPSK	1	214	21.58	21.66	21.71			
40	QPSK	108	0	21.63	21.73	21.67			
40	QPSK	108	54	21.62	21.68	21.66			
40	QPSK	108	108	21.64	21.68	21.73	22.5	0.0	
40	QPSK	216	0	21.65	21.71	21.68	22.5	0.0	
40	16QAM	1	1	21.65	21.65	21.63	22.5	0.0	
40	64QAM	1	1	20.78	20.85	20.84	21.5	1.0	
40	256QAM	1	1	18.79	18.86	18.83	18.5	3.0	
Channel				37200	37600	38000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1892.5	1900	22.5	0.0	
30	PI2 BPSK	1	1	21.29	21.63	21.38	22.5	0.0	
Channel				37250	37600	38050	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1892.5	1902.5	22.5	0.0	
25	PI2 BPSK	1	1	21.23	21.48	21.20	22.5	0.0	
Channel				37200	37600	38100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1892.5	1905	22.5	0.0	
20	PI2 BPSK	1	1	21.35	21.34	21.33	22.5	0.0	
Channel				37150	37600	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1892.5	1907.5	22.5	0.0	
15	PI2 BPSK	1	1	21.35	21.55	21.45	22.5	0.0	
Channel				37100	37600	38000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1892.5	1910	22.5	0.0	
10	PI2 BPSK	1	1	21.51	21.47	21.58	22.5	0.0	
Channel				37050	37600	38050	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1892.5	1912.5	22.5	0.0	
5	PI2 BPSK	1	1	21.30	21.33	21.32	22.5	0.0	

n30_Ant 8 DSI2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)				
Channel				462000			19.0	0.0				
Frequency (MHz)				2310								
10	PI2 BPSK	1	1		18.14							
10	PI2 BPSK	1	26		18.10							
10	PI2 BPSK	1	50		18.10							
10	PI2 BPSK	25	0		18.11		19.0	0.0				
10	PI2 BPSK	25	14		18.13		19.0	0.0				
10	PI2 BPSK	25	27		18.04		19.0	0.0				
10	PI2 BPSK	50	0		18.05		19.0	0.0				
10	QPSK	1	1		18.05		19.0	0.0				
10	QPSK	1	26		18.03							
10	QPSK	1	50		18.05							
10	QPSK	25	0		18.08							
10	QPSK	25	14		18.10							
10	QPSK	25	27		18.10		19.0	0.0				
10	QPSK	50	0		18.04		19.0	0.0				
10	16QAM	1	1		18.10		19.0	0.0				
10	64QAM	1	1		18.10		19.0	0.0				
10	256QAM	1	1		17.92		19.0	0.0				
Channel				461500	462000	462500	Tune-up limit (dbm)	MPR (db)				
Frequency (MHz)				2307.5	2310	2312.5	19.0	0.0				
5	PI2 BPSK	1	1	17.79	18.09	18.03	19.0	0.0				

n2_Ant 2 DSI2 Sim-Tx

BW [MHz]	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	21.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	20.01	20.13	20.10	21.0	0.0
20	PI/2 BPSK	1	53	19.97	20.02	20.03		
20	PI/2 BPSK	1	104	20.00	20.09	20.01		
20	PI/2 BPSK	50	0	19.99	20.00	19.97		
20	PI/2 BPSK	50	28	20.00	20.08	20.05	21.0	0.0
20	PI/2 BPSK	50	56	19.99	20.04	20.02	21.0	0.0
20	PI/2 BPSK	100	0	19.97	20.07	20.03		
20	QPSK	1	1	20.03	20.10	19.97		
20	QPSK	1	53	20.01	20.04	19.98		
20	QPSK	1	104	20.06	20.04	20.03	21.0	0.0
20	QPSK	50	0	20.04	20.05	20.02		
20	QPSK	50	28	19.96	20.12	20.04		
20	QPSK	50	56	20.04	20.06	19.98		
20	QPSK	100	0	19.99	20.09	20.00	21.0	0.0
20	16QAM	1	1	20.03	20.07	20.04	21.0	0.0
20	64QAM	1	1	19.88	19.93	19.90	21.0	0.0
20	256QAM	1	1	18.52	18.70	18.65	19.5	1.5
Channel				371500	376000	380500	21.0	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	PI/2 BPSK	1	1	19.76	19.81	19.78	21.0	0.0
Channel				371000	376000	381000	21.0	0.0
Frequency (MHz)				1855	1880	1905		
10	PI/2 BPSK	1	1	19.80	19.94	20.04	21.0	0.0
Channel				370500	376000	381500	21.0	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	19.78	20.09	20.01	21.0	0.0

n5_Ant 2 DSI2 Sim-Tx

BW [MHz]	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	23.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.94	21.97	21.87	23.0	0.0
20	PI/2 BPSK	1	53	21.89	21.92	21.81		
20	PI/2 BPSK	1	104	21.92	21.89	21.85		
20	PI/2 BPSK	50	0	21.91	21.94	21.84		
20	PI/2 BPSK	50	28	21.92	21.96	21.85	23.0	0.0
20	PI/2 BPSK	50	56	21.91	21.90	21.82	23.0	0.0
20	PI/2 BPSK	100	0	21.88	21.93	21.77		
20	QPSK	1	1	21.95	21.94	21.76		
20	QPSK	1	53	21.94	21.96	21.84		
20	QPSK	1	104	21.93	21.90	21.84	23.0	0.0
20	QPSK	50	0	21.85	21.95	21.86		
20	QPSK	50	28	21.85	21.96	21.78		
20	QPSK	50	56	21.88	21.92	21.86		
20	QPSK	100	0	21.90	21.96	21.79	23.0	0.0
20	16QAM	1	1	21.85	21.90	21.81	23.0	0.0
20	64QAM	1	1	21.11	21.12	20.81	22.0	1.0
20	256QAM	1	1	19.14	19.22	19.08	20.0	3.0
Channel				166300	167300	168300	23.0	0.0
Frequency (MHz)				831.5	836.5	841.5		
15	PI/2 BPSK	1	1	21.86	21.83	21.87	23.0	0.0
Channel				165800	167300	168800	23.0	0.0
Frequency (MHz)				829	836.5	844		
10	PI/2 BPSK	1	1	21.89	21.75	21.57	23.0	0.0
Channel				165300	167300	169300	23.0	0.0
Frequency (MHz)				826.5	836.5	846.5		
5	PI/2 BPSK	1	1	21.61	21.80	21.55	23.0	0.0

n25_Ant 2 DSI2 Sim-Tx

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000	21.0	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	20.22	20.30	20.27	21.0	0.0
40	PI/2 BPSK	1	108	20.21	20.26	20.17		
40	PI/2 BPSK	1	214	20.18	20.21	20.24		
40	PI/2 BPSK	108	0	20.14	20.21	20.23	21.0	0.0
40	PI/2 BPSK	108	54	20.19	20.28	20.26	21.0	0.0
40	PI/2 BPSK	108	108	20.13	20.25	20.25	21.0	0.0
40	PI/2 BPSK	216	0	20.11	20.27	20.23		
40	QPSK	1	1	20.15	20.27	20.22		
40	QPSK	1	108	20.21	20.20	20.25	21.0	0.0
40	QPSK	1	214	20.20	20.25	20.27		
40	QPSK	108	0	20.14	20.26	20.27		
40	QPSK	108	54	20.15	20.28	20.21	21.0	0.0
40	QPSK	108	108	20.14	20.24	20.19	21.0	0.0
40	QPSK	216	0	20.17	20.21	20.25		
40	16QAM	1	1	20.16	20.21	20.22		
40	64QAM	1	1	20.19	20.20	20.27	21.0	0.0
40	256QAM	1	1	18.79	18.85	18.83	19.5	1.5
Channel				373000	376500	380000	21.0	0.0
Frequency (MHz)				1865	1882.5	1900		
30	PI/2 BPSK	1	1	20.21	20.11	20.10	21.0	0.0
Channel				372500	376500	380500	21.0	0.0
Frequency (MHz)				1862.5	1882.5	1902.5		
25	PI/2 BPSK	1	1	20.04	20.22	20.12	21.0	0.0
Channel				372000	376500	381000	21.0	0.0
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	19.94	19.98	20.07	21.0	0.0
Channel				371500	376500	381500	21.0	0.0
Frequency (MHz)				1857.5	1882.5	1907.5		
15	PI/2 BPSK	1	1	20.07	19.98	20.00	21.0	0.0
Channel				371000	376500	382000	21.0	0.0
Frequency (MHz)				1855	1882.5	1910		
10	PI/2 BPSK	1	1	19.89	20.29	20.15	21.0	0.0
Channel				370500	376500	382500	21.0	0.0
Frequency (MHz)				1852.5	1882.5	1912.5		
5	PI/2 BPSK	1	1	20.13	20.20	20.07	21.0	0.0

n26_Ant 2 DSI2 Sim-Tx

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800	23.0	0.0
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	21.99	22.00	21.93	23.0	0.0
20	PI/2 BPSK	1	53	21.98	21.93	21.91		
20	PI/2 BPSK	1	104	21.92	21.92	21.92		
20	PI/2 BPSK	50	0	21.91	21.92	21.85	23.0	0.0
20	PI/2 BPSK	50	28	21.95	21.98	21.90	23.0	0.0
20	PI/2 BPSK	50	56	21.94	21.97	21.87	23.0	0.0
20	PI/2 BPSK	100	0	21.90	21.95	21.84		
20	QPSK	1	1	21.91	21.93	21.91		
20	QPSK	1	53	21.94	21.99	21.82	23.0	0.0
20	QPSK	1	104	21.94	21.94	21.92		
20	QPSK	50	0	21.92	21.93	21.90		
20	QPSK	50	28	21.96	21.99	21.83	23.0	0.0
20	QPSK	50	56	21.99	21.91	21.85	23.0	0.0
20	QPSK	100	0	21.94	21.98	21.90		
20	16QAM	1	1	21.93	21.96	21.82		
20	64QAM	1	1	20.97	21.00	20.91	22.0	1.0
20	256QAM	1	1	19.22	19.20	19.12	20.0	3.0
Channel				164300	166300	168300	23.0	0.0
Frequency (MHz)				821.5	831.5	841.5		
15	PI/2 BPSK	1	1	21.83	21.92	21.74	23.0	0.0
Channel				163800	166300	168800	23.0	0.0
Frequency (MHz)				819	831.5	844		
10	PI/2 BPSK	1	1	21.69	21.90	21.75	23.0	0.0
Channel				163300	166300	169300	23.0	0.0
Frequency (MHz)				816.5	831.5	846.5		
5	PI/2 BPSK	1	1	21.69	21.90	21.69	23.0	0.0

n30_Ant 8 DSI2 Sim-Tx

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				462000			17.5	0.0
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1		16.55		17.5	0.0
10	PI/2 BPSK	1	26		16.47			
10	PI/2 BPSK	1	50		16.49			
10	PI/2 BPSK	25	0		16.41		17.5	0.0
10	PI/2 BPSK	25	14		16.53		17.5	0.0
10	PI/2 BPSK	25	27		16.47		17.5	0.0
10	PI/2 BPSK	50	0		16.50			
10	QPSK	1	1		16.48		17.5	0.0
10	QPSK	1	26		16.51			
10	QPSK	1	50		16.41			
10	QPSK	25	0		16.46		17.5	0.0
10	QPSK	25	14		16.36		17.5	0.0
10	QPSK	25	27		16.45		17.5	0.0
10	QPSK	50	0		16.37			
10	16QAM	1	1		16.40		17.5	0.0
10	64QAM	1	1		16.53		17.5	0.0
10	256QAM	1	1		16.27		17.5	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	PI/2 BPSK	1	1	16.23	16.37	16.29	17.5	0.0

n66_Ant 2 DSI2 Sim-Tx

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR
Channel				346000	349000	352000	22.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.66	21.75	21.60		
40	PI/2 BPSK	1	108	21.61	21.67	21.58	22.5	0.0
40	PI/2 BPSK	1	214	21.63	21.71	21.55		
40	PI/2 BPSK	108	0	21.63	21.67	21.55		
40	PI/2 BPSK	108	54	21.64	21.73	21.57	22.5	0.0
40	PI/2 BPSK	108	108	21.58	21.72	21.55	22.5	0.0
40	PI/2 BPSK	216	0	21.62	21.70	21.55		
40	QPSK	1	1	21.65	21.74	21.57	22.5	0.0
40	QPSK	1	108	21.68	21.66	21.63		
40	QPSK	1	214	21.65	21.66	21.59		
40	QPSK	108	0	21.62	21.69	21.59	22.5	0.0
40	QPSK	108	54	21.61	21.72	21.58	22.5	0.0
40	QPSK	108	108	21.64	21.74	21.63		
40	QPSK	216	0	21.65	21.66	21.56	22.5	0.0
40	16QAM	1	1	21.70	21.67	21.59	22.5	0.0
40	64QAM	1	1	20.45	20.50	20.40	21.5	1.0
40	256QAM	1	1	18.52	18.56	18.55	19.5	3.0
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	PI/2 BPSK	1	1	21.51	21.70	21.31	22.5	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	PI/2 BPSK	1	1	21.67	21.44	21.29	22.5	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	PI/2 BPSK	1	1	21.36	21.51	21.40	22.5	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	PI/2 BPSK	1	1	21.62	21.48	21.49	22.5	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	PI/2 BPSK	1	1	21.67	21.48	21.56	22.5	0.0

n41(FCC)_Ant 8 / n41(FCC)_Ant 8(HPUE) DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	19.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.35	18.39	18.18		
100	PI/2 BPSK	1	137	18.11	18.15	18.05	19.5	0.0
100	PI/2 BPSK	1	271	18.19	18.26	18.15		
100	PI/2 BPSK	135	0	18.21	18.27	18.10		
100	PI/2 BPSK	135	69	18.32	18.37	18.15	19.5	0.0
100	PI/2 BPSK	135	138	18.15	18.21	18.11	19.5	0.0
100	PI/2 BPSK	270	0	18.22	18.35	18.10		
100	QPSK	1	1	18.23	18.26	18.17		
100	QPSK	1	137	18.04	18.12	18.04	19.5	0.0
100	QPSK	1	271	18.14	18.19	18.09		
100	QPSK	135	0	18.16	18.24	18.11		
100	QPSK	135	69	18.10	18.15	18.03	19.5	0.0
100	QPSK	135	138	18.16	18.23	18.12		
100	QPSK	270	0	18.21	18.24	18.11		
100	16QAM	1	1	18.27	18.35	18.26	19.5	0.0
100	64QAM	1	1	18.16	18.21	18.12	19.5	0.0
100	256QAM	1	1	18.11	18.18	18.05	19.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	18.35	18.30	18.16	19.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	18.17	18.20	17.90	19.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	18.19	18.18	18.17	19.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	18.04	18.07	17.92	19.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	18.13	18.11	18.03	19.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	18.05	18.10	18.18	19.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	18.14	18.13	18.10	19.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	18.14	18.34	17.89	19.5	0.0

n41(FCC)_Ant 8 / n41(FCC)_Ant 8(HPUE) DSI2 Sim-Tx

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	18.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.87	16.89	16.66		
100	PI/2 BPSK	1	137	16.66	16.71	16.62		
100	PI/2 BPSK	1	271	16.68	16.73	16.61	18.0	0.0
100	PI/2 BPSK	135	0	16.70	16.76	16.62		
100	PI/2 BPSK	135	69	16.82	16.88	16.63		
100	PI/2 BPSK	135	138	16.63	16.68	16.56		
100	PI/2 BPSK	270	0	16.69	16.85	16.60	18.0	0.0
100	QPSK	1	1	16.81	16.84	16.75		
100	QPSK	1	137	16.54	16.62	16.49		
100	QPSK	1	271	16.63	16.66	16.53		
100	QPSK	135	0	16.75	16.82	16.70	18.0	0.0
100	QPSK	135	69	16.66	16.69	16.57		
100	QPSK	135	138	16.66	16.71	16.59		
100	QPSK	270	0	16.63	16.68	16.59		
100	64QAM	1	1	16.82	16.87	16.73	18.0	0.0
100	64QAM	1	1	16.63	16.71	16.62	18.0	0.0
100	256QAM	1	1	16.65	16.68	16.55	18.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	16.57	16.87	16.45	18.0	0.0
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	16.79	16.61	16.62	18.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	16.60	16.64	16.62	18.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	16.60	16.76	16.60	18.0	0.0
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	16.56	16.71	16.66	18.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	16.57	16.60	16.45	18.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	16.61	16.58	16.41	18.0	0.0
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	16.55	16.87	16.38	18.0	0.0

Part27Q_n77_Ant 4 / Part27Q_n77_Ant 4(HPUE) DSI2

BW [MHz]	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	PI/2 BPSK	1	1		21.75		22.5	0.0
100	PI/2 BPSK	1	137		21.71			
100	PI/2 BPSK	1	271		21.65			
100	PI/2 BPSK	135	0		21.69		22.5	0.0
100	PI/2 BPSK	135	69		21.74		22.5	0.0
100	PI/2 BPSK	135	138		21.63		22.5	0.0
100	PI/2 BPSK	270	0		21.72			
100	QPSK	1	1		21.72		22.5	0.0
100	QPSK	1	137		21.65			
100	QPSK	1	271		21.63			
100	QPSK	135	0		21.73		22.5	0.0
100	QPSK	135	69		21.71			
100	QPSK	135	138		21.58			
100	QPSK	270	0		21.49		22.5	0.0
100	16QAM	1	1		21.42		22.5	0.0
100	64QAM	1	1		20.52		21.5	1.0
100	256QAM	1	1		18.61		19.5	3.0
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99		
90	PI/2 BPSK	1	1	21.67	21.65	21.62	22.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	PI/2 BPSK	1	1	21.61	21.59	21.52	22.5	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98		
70	PI/2 BPSK	1	1	21.59	21.56	21.55	22.5	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99		
60	PI/2 BPSK	1	1	21.58	21.59	21.52	22.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	PI/2 BPSK	1	1	21.60	21.56	21.54	22.5	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98		
40	PI/2 BPSK	1	1	21.57	21.55	21.52	22.5	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99		
30	PI/2 BPSK	1	1	21.58	21.59	21.52	22.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	PI/2 BPSK	1	1	21.62	21.58	21.56	22.5	0.0

Part 270 n77_Ant 4 / Part 270 n77_Ant 4(HPUE) DSI2

BW [MHz]	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	656000	662000	22.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.43	21.62	21.61	22.5	0.0
100	PI/2 BPSK	1	137	21.37	21.60	21.54		
100	PI/2 BPSK	1	271	21.33	21.61	21.57		
100	PI/2 BPSK	135	0	21.29	21.52	21.48	22.5	0.0
100	PI/2 BPSK	135	69	21.40	21.61	21.58	22.5	0.0
100	PI/2 BPSK	135	138	21.27	21.55	21.51	22.5	0.0
100	PI/2 BPSK	270	0	21.27	21.59	21.50		
100	QPSK	1	1	21.28	21.53	21.49		
100	QPSK	1	137	21.32	21.55	21.49	22.5	0.0
100	QPSK	1	271	21.34	21.61	21.57		
100	QPSK	135	0	21.28	21.51	21.48		
100	QPSK	135	69	21.30	21.55	21.49	22.5	0.0
100	QPSK	135	138	21.36	21.60	21.57		
100	QPSK	270	0	21.20	21.44	21.36		
100	16QAM	1	1	21.25	21.52	21.44	22.5	0.0
100	64QAM	1	1	20.25	20.31	20.23	21.5	1.0
100	256QAM	1	1	18.38	18.64	18.57	19.5	3.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	21.35	21.53	21.52	22.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	21.36	21.53	21.53	22.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	21.37	21.56	21.52	22.5	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	21.33	21.56	21.53	22.5	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	21.34	21.55	21.52	22.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	21.35	21.57	21.51	22.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	21.38	21.57	21.52	22.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	21.34	21.56	21.51	22.5	0.0

Part27Q n78_Ant 4 DSI2

BW [MHz]	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			22.5	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		21.50		22.5	0.0
100	PI/2 BPSK	1	137		21.45			
100	PI/2 BPSK	1	271		21.43			
100	PI/2 BPSK	135	0		21.38			
100	PI/2 BPSK	135	69		21.45		22.5	0.0
100	PI/2 BPSK	135	138		21.42		22.5	0.0
100	PI/2 BPSK	270	0		21.44			
100	QPSK	1	1		21.35		22.5	0.0
100	QPSK	1	137		21.33			
100	QPSK	1	271		21.39			
100	QPSK	135	0		21.34			
100	QPSK	135	69		21.39		22.5	0.0
100	QPSK	135	138		21.41			
100	QPSK	270	0		21.45		22.5	0.0
100	16QAM	1	1		21.40		22.5	0.0
100	64QAM	1	1		20.68		21.5	1.0
100	256QAM	1	1		18.40		19.5	3.0
Channel				633000	633334	633666	22.5	0.0
Frequency (MHz)				3495	3500.01	3504.99		
90	PI/2 BPSK	1	1	21.47	21.45	21.49	22.5	0.0
Channel				632668	633334	634000	22.5	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	PI/2 BPSK	1	1	21.38	21.37	21.42	22.5	0.0
Channel				632334	633334	634332	22.5	0.0
Frequency (MHz)				3485.01	3500.01	3514.98		
70	PI/2 BPSK	1	1	21.37	21.36	21.39	22.5	0.0
Channel				632000	633334	634666	22.5	0.0
Frequency (MHz)				3480	3500.01	3519.99		
60	PI/2 BPSK	1	1	21.41	21.38	21.44	22.5	0.0
Channel				631668	633334	635000	22.5	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	PI/2 BPSK	1	1	21.41	21.38	21.42	22.5	0.0
Channel				631334	633334	635332	22.5	0.0
Frequency (MHz)				3470.01	3500.01	3529.98		
40	PI/2 BPSK	1	1	21.40	21.37	21.43	22.5	0.0
Channel				631000	633334	635666	22.5	0.0
Frequency (MHz)				3465	3500.01	3534.99		
30	PI/2 BPSK	1	1	21.39	21.35	21.43	22.5	0.0
Channel				630668	633334	636000	22.5	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	PI/2 BPSK	1	1	21.40	21.38	21.40	22.5	0.0

Part27O n78_Ant 4 DSI2

BW [MHz]	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				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		21.53		22.5	0.0
100	PI/2 BPSK	1	137		21.40			
100	PI/2 BPSK	1	271		21.37			
100	PI/2 BPSK	135	0		21.30			
100	PI/2 BPSK	135	69		21.39		22.5	0.0
100	PI/2 BPSK	135	138		21.37		22.5	0.0
100	PI/2 BPSK	270	0		21.36			
100	QPSK	1	1		21.29		22.5	0.0
100	QPSK	1	137		21.25			
100	QPSK	1	271		21.32			
100	QPSK	135	0		21.29			
100	QPSK	135	69		21.34		22.5	0.0
100	QPSK	135	138		21.37			
100	QPSK	270	0		21.42		22.5	0.0
100	16QAM	1	1		21.30		22.5	0.0
100	64QAM	1	1		20.10		21.5	1.0
100	256QAM	1	1		18.00		19.5	3.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	21.45	21.50	21.47	22.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	21.40	21.42	21.42	22.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	21.39	21.42	21.39	22.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	21.35	21.43	21.39	22.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	21.37	21.44	21.41	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	21.38	21.40	21.37	22.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	21.39	21.42	21.39	22.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	21.42	21.37	21.40	22.5	0.0

Part27Q_n77_Ant 4 / Part27Q_n77_Ant 4(HPUE) DSI2 Sim-**Tx**

BW [MHz]	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			21.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		20.23			
100	PI/2 BPSK	1	137		20.09		21.0	0.0
100	PI/2 BPSK	1	271		20.04			
100	PI/2 BPSK	135	0		20.13			
100	PI/2 BPSK	135	69		20.21		21.0	0.0
100	PI/2 BPSK	135	138		20.06		21.0	0.0
100	PI/2 BPSK	270	0		20.20			
100	QPSK	1	1		20.17			
100	QPSK	1	137		20.08		21.0	0.0
100	QPSK	1	271		20.07			
100	QPSK	135	0		20.17			
100	QPSK	135	69		20.14		21.0	0.0
100	QPSK	135	138		20.01			
100	QPSK	270	0		20.12			
100	16QAM	1	1		20.13		21.0	0.0
100	64QAM	1	1		20.11		21.0	0.0
100	256QAM	1	1		18.53		19.5	1.5
Channel				633000	633334	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)
90	PI/2 BPSK	1	1	20.17	20.20	20.21	21.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	PI/2 BPSK	1	1	20.08	20.11	20.13	21.0	0.0
Channel				632334	633334	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)
70	PI/2 BPSK	1	1	20.09	20.10	20.14	21.0	0.0
Channel				632000	633334	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)
60	PI/2 BPSK	1	1	20.11	20.13	20.15	21.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	PI/2 BPSK	1	1	20.12	20.15	20.12	21.0	0.0
Channel				631334	633334	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)
40	PI/2 BPSK	1	1	20.08	20.11	20.16	21.0	0.0
Channel				631000	633334	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3534.99	(dBm)	(dB)
30	PI/2 BPSK	1	1	20.08	20.13	20.12	21.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	PI/2 BPSK	1	1	20.10	20.13	20.16	21.0	0.0

Part 27O n77_Ant 4 / Part 27O n77_Ant 4(HPUE) DSI2 Sim-**Tx**

BW [MHz]	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	656000	662000	21.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.00	20.15	20.12		
100	PI/2 BPSK	1	137	19.90	20.07	20.00	21.0	0.0
100	PI/2 BPSK	1	271	19.99	20.13	20.10		
100	PI/2 BPSK	135	0	19.94	20.03	20.00		
100	PI/2 BPSK	135	69	19.96	20.13	20.07	21.0	0.0
100	PI/2 BPSK	135	138	19.86	20.01	19.93	21.0	0.0
100	PI/2 BPSK	270	0	19.85	20.11	19.94		
100	QPSK	1	1	19.93	20.09	20.02		
100	QPSK	1	137	19.86	20.04	19.99	21.0	0.0
100	QPSK	1	271	19.97	20.12	20.09		
100	QPSK	135	0	19.95	20.08	20.05		
100	QPSK	135	69	19.98	20.11	20.06	21.0	0.0
100	QPSK	135	138	19.99	20.14	20.07		
100	QPSK	270	0	20.01	20.12	20.08		
100	16QAM	1	1	19.96	20.10	20.06	21.0	0.0
100	64QAM	1	1	19.92	20.07	20.01	21.0	0.0
100	256QAM	1	1	18.28	18.43	18.35	19.5	1.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	20.10	20.14	20.07	21.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	20.04	20.06	19.98	21.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	20.00	20.06	20.00	21.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	20.03	20.07	20.02	21.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	20.03	20.08	20.02	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	20.04	20.06	19.98	21.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	20.02	20.08	19.99	21.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	20.00	20.09	19.98	21.0	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	PI/2 BPSK	1	1		20.20		21.0	0.0	
100	PI/2 BPSK	1	137		20.07				
100	PI/2 BPSK	1	271		20.01				
100	PI/2 BPSK	135	0		20.15		21.0	0.0	
100	PI/2 BPSK	135	69		20.18		21.0	0.0	
100	PI/2 BPSK	135	138		20.05		21.0	0.0	
100	PI/2 BPSK	270	0		20.08				
100	QPSK	1	1		20.14		21.0	0.0	
100	QPSK	1	137		20.05				
100	QPSK	1	271		20.06				
100	QPSK	135	0		20.14		21.0	0.0	
100	QPSK	135	69		20.11				
100	QPSK	135	138		19.99				
100	QPSK	270	0		20.13				
100	16QAM	1	1		20.12		21.0	0.0	
100	64QAM	1	1		20.12		21.0	0.0	
100	256QAM	1	1		18.46		19.5	1.5	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	21.0	0.0	
90	PI/2 BPSK	1	1		20.17	20.19	20.15	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	21.0	0.0	
80	PI/2 BPSK	1	1		20.10	20.14	20.05	21.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	21.0	0.0	
70	PI/2 BPSK	1	1		20.11	20.14	20.10	21.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	21.0	0.0	
60	PI/2 BPSK	1	1		20.09	20.09	20.06	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	21.0	0.0	
50	PI/2 BPSK	1	1		20.07	20.12	20.09	21.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	21.0	0.0	
40	PI/2 BPSK	1	1		20.12	20.13	20.10	21.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99	21.0	0.0	
30	PI/2 BPSK	1	1		20.09	20.09	20.08	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	21.0	0.0	
20	PI/2 BPSK	1	1		20.09	20.10	20.10	21.0	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					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		20.13		21.0	0.0	
100	PI/2 BPSK	1	137		20.03				
100	PI/2 BPSK	1	271		20.00				
100	PI/2 BPSK	135	0		20.10		21.0	0.0	
100	PI/2 BPSK	135	69		20.11		21.0	0.0	
100	PI/2 BPSK	135	138		20.01		21.0	0.0	
100	PI/2 BPSK	270	0		20.08				
100	QPSK	1	1		20.11		21.0	0.0	
100	QPSK	1	137		20.00				
100	QPSK	1	271		20.05				
100	QPSK	135	0		20.10		21.0	0.0	
100	QPSK	135	69		20.10				
100	QPSK	135	138		19.97				
100	QPSK	270	0		20.08				
100	16QAM	1	1		20.07		21.0	0.0	
100	64QAM	1	1		19.77		21.0	0.0	
100	256QAM	1	1		17.81		19.5	1.5	
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	21.0	0.0	
90	PI/2 BPSK	1	1		20.12	20.10	20.08	21.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	21.0	0.0	
80	PI/2 BPSK	1	1		20.06	20.05	19.98	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	21.0	0.0	
70	PI/2 BPSK	1	1		20.04	20.05	20.00	21.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	21.0	0.0	
60	PI/2 BPSK	1	1		20.07	20.02	20.00	21.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	21.0	0.0	
50	PI/2 BPSK	1	1		20.03	20.01	20.03	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	21.0	0.0	
40	PI/2 BPSK	1	1		20.03	20.01	20.00	21.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98	21.0	0.0	
30	PI/2 BPSK	1	1		20.03	20.05	20.02	21.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	21.0	0.0	
20	PI/2 BPSK	1	1		20.06	20.02	20.00	21.0	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				372000	376000	380000	18.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	17.16	17.23	17.01		
20	PI/2 BPSK	1	53	17.15	17.18	16.96	18.0	0.0
20	PI/2 BPSK	1	104	17.14	17.21	16.96		
20	PI/2 BPSK	50	0	17.10	17.14	16.96		
20	PI/2 BPSK	50	28	17.13	17.18	16.99	18.0	0.0
20	PI/2 BPSK	50	56	17.07	17.16	17.01	18.0	0.0
20	PI/2 BPSK	100	0	17.10	17.15	16.97		
20	QPSK	1	1	17.12	17.18	17.03		
20	QPSK	1	53	17.11	17.15	17.05	18.0	0.0
20	QPSK	1	104	17.21	17.14	17.05		
20	QPSK	50	0	17.15	17.15	16.96		
20	QPSK	50	28	17.16	17.12	17.00	18.0	0.0
20	QPSK	50	56	17.20	17.18	17.04	18.0	0.0
20	QPSK	100	0	17.17	17.10	17.02		
20	16QAM	1	1	17.14	17.16	16.97	18.0	0.0
20	64QAM	1	1	17.12	17.20	17.02	18.0	0.0
20	256QAM	1	1	17.19	17.15	16.97	18.0	0.0
Channel				371500	376000	380500	18.0	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	PI/2 BPSK	1	1	17.10	17.15	16.92		
Channel				371000	376000	381000	18.0	0.0
Frequency (MHz)				1855	1880	1905		
10	PI/2 BPSK	1	1	17.10	17.14	16.95		
Channel				370500	376000	381500	18.0	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	17.07	17.16	16.92		

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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				372000	376000	380000	22.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	21.38	21.50	21.45		
20	PI/2 BPSK	1	53	21.29	21.43	21.40	22.5	0.0
20	PI/2 BPSK	1	104	21.32	21.37	21.35		
20	PI/2 BPSK	50	0	21.28	21.41	21.36		
20	PI/2 BPSK	50	28	21.33	21.48	21.41	22.5	0.0
20	PI/2 BPSK	50	56	21.32	21.43	21.40	22.5	0.0
20	PI/2 BPSK	100	0	21.30	21.45	21.38		
20	QPSK	1	1	21.32	21.45	21.39		
20	QPSK	1	53	21.31	21.42	21.40	22.5	0.0
20	QPSK	1	104	21.29	21.43	21.35		
20	QPSK	50	0	21.31	21.44	21.40		
20	QPSK	50	28	21.31	21.42	21.36	22.5	0.0
20	QPSK	50	56	21.28	21.42	21.37	22.5	0.0
20	QPSK	100	0	21.33	21.41	21.37		
20	16QAM	1	1	21.29	21.46	21.40		
20	64QAM	1	1	20.33	20.51	20.40	21.5	1.0
20	256QAM	1	1	18.57	18.70	18.64	19.5	3.0
Channel				371500	376000	380500	22.5	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	PI/2 BPSK	1	1	21.31	21.28	21.33		
Channel				371000	376000	381000	22.5	0.0
Frequency (MHz)				1855	1880	1905		
10	PI/2 BPSK	1	1	21.38	21.47	21.15		
Channel				370500	376000	381500	22.5	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	21.14	21.28	21.32		

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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				374000	376500	379000	18.0	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	17.22	17.25	17.18	18.0	0.0
40	PI/2 BPSK	1	108	17.18	17.19	17.15		
40	PI/2 BPSK	1	214	17.20	17.24	17.17		
40	PI/2 BPSK	108	0	17.12	17.17	17.15		
40	PI/2 BPSK	108	54	17.13	17.23	17.16	18.0	0.0
40	PI/2 BPSK	108	108	17.10	17.18	17.11	18.0	0.0
40	PI/2 BPSK	216	0	17.12	17.20	17.10		
40	QPSK	1	1	17.21	17.19	17.11		
40	QPSK	1	108	17.14	17.22	17.07		
40	QPSK	1	214	17.13	17.22	17.08	18.0	0.0
40	QPSK	108	0	17.17	17.16	17.14		
40	QPSK	108	54	17.16	17.19	17.11		
40	QPSK	108	108	17.12	17.15	17.10		
40	QPSK	216	0	17.21	17.23	17.12	18.0	0.0
40	16QAM	1	1	17.17	17.20	17.13	18.0	0.0
40	64QAM	1	1	17.20	17.18	17.14	18.0	0.0
40	256QAM	1	1	17.17	17.15	17.17	18.0	0.0
Channel				373000	376500	380000	18.0	0.0
Frequency (MHz)				1865	1882.5	1900		
30	PI/2 BPSK	1	1	17.14	17.17	17.11	18.0	0.0
Channel				372500	376500	380500	18.0	0.0
Frequency (MHz)				1862.5	1882.5	1902.5		
25	PI/2 BPSK	1	1	17.15	17.15	17.08	18.0	0.0
Channel				372000	376500	381000	18.0	0.0
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	17.14	17.15	17.12	18.0	0.0
Channel				371500	376500	381500	18.0	0.0
Frequency (MHz)				1857.5	1882.5	1907.5		
15	PI/2 BPSK	1	1	17.12	17.15	17.08	18.0	0.0
Channel				371000	376500	382000	18.0	0.0
Frequency (MHz)				1855	1882.5	1910		
10	PI/2 BPSK	1	1	17.15	17.19	17.11	18.0	0.0
Channel				370500	376500	382500	18.0	0.0
Frequency (MHz)				1852.5	1882.5	1912.5		
5	PI/2 BPSK	1	1	17.16	17.18	17.09	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				374000	376500	379000	22.5	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	21.62	21.76	21.71	22.5	0.0
40	PI/2 BPSK	1	108	21.61	21.67	21.63		
40	PI/2 BPSK	1	214	21.55	21.66	21.60		
40	PI/2 BPSK	108	0	21.51	21.68	21.62		
40	PI/2 BPSK	108	54	21.60	21.73	21.70	22.5	0.0
40	PI/2 BPSK	108	108	21.55	21.70	21.68	22.5	0.0
40	PI/2 BPSK	216	0	21.58	21.71	21.65		
40	QPSK	1	1	21.65	21.75	21.64		
40	QPSK	1	108	21.65	21.74	21.65		
40	QPSK	1	214	21.58	21.66	21.71	22.5	0.0
40	QPSK	108	0	21.63	21.73	21.67		
40	QPSK	108	54	21.62	21.68	21.66		
40	QPSK	108	108	21.64	21.68	21.73		
40	QPSK	216	0	21.65	21.71	21.68	22.5	0.0
40	16QAM	1	1	21.65	21.65	21.63	22.5	0.0
40	64QAM	1	1	20.78	20.85	20.84	21.5	1.0
40	256QAM	1	1	18.79	18.86	18.83	19.5	3.0
Channel				373000	376500	380000	22.5	0.0
Frequency (MHz)				1865	1882.5	1900		
30	PI/2 BPSK	1	1	21.29	21.63	21.38	22.5	0.0
Channel				372500	376500	380500	22.5	0.0
Frequency (MHz)				1862.5	1882.5	1902.5		
25	PI/2 BPSK	1	1	21.23	21.48	21.26	22.5	0.0
Channel				372000	376500	381000	22.5	0.0
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	21.35	21.34	21.33	22.5	0.0
Channel				371500	376500	381500	22.5	0.0
Frequency (MHz)				1857.5	1882.5	1907.5		
15	PI/2 BPSK	1	1	21.35	21.55	21.45	22.5	0.0
Channel				371000	376500	382000	22.5	0.0
Frequency (MHz)				1855	1882.5	1910		
10	PI/2 BPSK	1	1	21.51	21.47	21.58	22.5	0.0
Channel				370500	376500	382500	22.5	0.0
Frequency (MHz)				1852.5	1882.5	1912.5		
5	PI/2 BPSK	1	1	21.30	21.33	21.32	22.5	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				462000			22.0	0.0
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1		21.30		22.0	0.0
10	PI/2 BPSK	1	26		21.22			
10	PI/2 BPSK	1	50		21.17			
10	PI/2 BPSK	25	0		21.22		22.0	0.0
10	PI/2 BPSK	25	14		21.28		22.0	0.0
10	PI/2 BPSK	25	27		21.25		22.0	0.0
10	PI/2 BPSK	50	0		21.25			
10	QPSK	1	1		21.28			
10	QPSK	1	26		21.25		22.0	0.0
10	QPSK	1	50		21.15			
10	QPSK	25	0		21.22		22.0	0.0
10	QPSK	25	14		21.25		22.0	0.0
10	QPSK	25	27		21.24		22.0	0.0
10	QPSK	50	0		21.22			
10	16QAM	1	1		21.23		22.0	0.0
10	64QAM	1	1		20.55		21.5	0.5
10	256QAM	1	1		18.56		19.5	2.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	PI/2 BPSK	1	1	21.23	21.25	21.22	22.0	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				462000				
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1		18.14		19.0	0.0
10	PI/2 BPSK	1	26		18.10			
10	PI/2 BPSK	1	50		18.10			
10	PI/2 BPSK	25	0		18.11		19.0	0.0
10	PI/2 BPSK	25	14		18.13		19.0	0.0
10	PI/2 BPSK	25	27		18.04		19.0	0.0
10	PI/2 BPSK	50	0		18.09			
10	QPSK	1	1		18.05			
10	QPSK	1	26		18.03		19.0	0.0
10	QPSK	1	50		18.05			
10	QPSK	25	0		18.08		19.0	0.0
10	QPSK	25	14		18.10		19.0	0.0
10	QPSK	25	27		18.10		19.0	0.0
10	QPSK	50	0		18.04			
10	16QAM	1	1		18.10		19.0	0.0
10	64QAM	1	1		18.10		19.0	0.0
10	256QAM	1	1		17.92		19.0	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	PI/2 BPSK	1	1	17.79	18.09	18.03	19.0	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				346000	349000	352000	18.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	17.03	17.15	17.08	18.0	0.0
40	PI/2 BPSK	1	108	17.02	17.09	17.00		
40	PI/2 BPSK	1	214	17.01	17.10	17.03		
40	PI/2 BPSK	108	0	16.99	17.12	17.05		
40	PI/2 BPSK	108	54	17.01	17.13	17.06	18.0	0.0
40	PI/2 BPSK	108	108	17.00	17.09	17.02	18.0	0.0
40	PI/2 BPSK	216	0	17.00	17.11	17.01		
40	QPSK	1	1	17.01	17.10	17.00		
40	QPSK	1	108	17.02	17.07	17.00		
40	QPSK	1	214	17.01	17.08	17.04	18.0	0.0
40	QPSK	108	0	17.06	17.09	17.03		
40	QPSK	108	54	17.03	17.05	17.01		
40	QPSK	108	108	17.05	17.14	17.04		
40	QPSK	216	0	17.04	17.11	17.05	18.0	0.0
40	16QAM	1	1	16.98	17.12	17.10	18.0	0.0
40	64QAM	1	1	16.98	16.94	17.03	18.0	0.0
40	256QAM	1	1	16.96	16.90	17.02	18.0	0.0
Channel				345000	349000	353000	18.0	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	16.96	17.06	16.97	18.0	0.0
Channel				344000	349000	354000	18.0	0.0
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	16.96	17.08	17.00	18.0	0.0
Channel				343500	349000	354500	18.0	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	16.94	17.10	17.00	18.0	0.0
Channel				343000	349000	355000	18.0	0.0
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	16.96	17.05	16.96	18.0	0.0
Channel				342500	349000	355500	18.0	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	16.95	17.09	16.98	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				340500				
Frequency (MHz)				1702.5				
15	PI/2 BPSK	1	1		18.12		19.0	0.0
15	PI/2 BPSK	1	40		18.11			
15	PI/2 BPSK	1	77		18.09			
15	PI/2 BPSK	36	0		18.09		19.0	0.0
15	PI/2 BPSK	36	22		18.11		19.0	0.0
15	PI/2 BPSK	36	43		18.07		19.0	0.0
15	PI/2 BPSK	75	0		18.06			
15	QPSK	1	1		18.09			
15	QPSK	1	40		18.01		19.0	0.0
15	QPSK	1	77		18.01			
15	QPSK	36	0		18.07			
15	QPSK	36	22		18.05		19.0	0.0
15	QPSK	36	43		18.00		19.0	0.0
15	QPSK	75	0		18.06			
15	16QAM	1	1		18.10			
15	64QAM	1	1		17.99		19.0	0.0
	256QAM	1	1		17.93		19.0	0.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	PI/2 BPSK	1	1	18.05	18.02	18.05	19.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	PI/2 BPSK	1	1	18.06	18.04	18.05	19.0	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				372000	376000	380000	17.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	16.22	16.25	16.09		
20	PI2 BPSK	1	53	16.16	16.20	16.08	17.0	0.0
20	PI2 BPSK	1	104	16.12	16.21	16.03		
20	PI2 BPSK	50	0	16.19	16.22	16.01		
20	PI2 BPSK	50	28	16.21	16.23	16.06	17.0	0.0
20	PI2 BPSK	50	56	16.16	16.17	16.05	17.0	0.0
20	PI2 BPSK	100	0	16.14	16.21	16.00		
20	QPSK	1	1	16.13	16.16	16.03		
20	QPSK	1	53	16.19	16.16	16.02	17.0	0.0
20	QPSK	1	104	16.14	16.16	16.04		
20	QPSK	50	0	16.21	16.24	16.08		
20	QPSK	50	28	16.11	16.17	16.01	17.0	0.0
20	QPSK	50	56	16.18	16.20	16.09	17.0	0.0
20	QPSK	100	0	16.12	16.17	16.10	17.0	0.0
20	16QAM	1	1	16.17	16.17	16.09		
20	64QAM	1	1	16.15	16.21	16.09		
20	256QAM	1	1	16.11	16.16	16.01	17.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	PI2 BPSK	1	1	16.16	16.18	16.00	17.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	PI2 BPSK	1	1	16.17	16.15	16.02	17.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1907.5		
5	PI2 BPSK	1	1	16.13	16.20	16.02	17.0	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				372000	376000	380000	19.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	17.67	17.77	17.70		
20	PI2 BPSK	1	53	17.63	17.73	17.64	19.0	0.0
20	PI2 BPSK	1	104	17.60	17.76	17.66		
20	PI2 BPSK	50	0	17.58	17.76	17.61		
20	PI2 BPSK	50	28	17.65	17.75	17.68	19.0	0.0
20	PI2 BPSK	50	56	17.58	17.72	17.62	19.0	0.0
20	PI2 BPSK	100	0	17.57	17.69	17.62		
20	QPSK	1	1	17.64	17.76	17.61		
20	QPSK	1	53	17.58	17.66	17.60	19.0	0.0
20	QPSK	1	104	17.61	17.75	17.68		
20	QPSK	50	0	17.61	17.69	17.64		
20	QPSK	50	28	17.57	17.66	17.62	19.0	0.0
20	QPSK	50	56	17.66	17.76	17.59	19.0	0.0
20	QPSK	100	0	17.60	17.67	17.66	19.0	0.0
20	16QAM	1	1	17.58	17.75	17.66		
20	64QAM	1	1	17.60	17.76	17.64		
20	256QAM	1	1	17.66	17.69	17.63	19.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	PI2 BPSK	1	1	17.61	17.69	17.61	19.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	PI2 BPSK	1	1	17.59	17.72	17.65	19.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1907.5		
5	PI2 BPSK	1	1	17.60	17.68	17.64	19.0	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				376000	376500	376900	17.0	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	16.32	16.35	16.28	17.0	0.0
40	PI2 BPSK	1	108	16.31	16.28	16.25		
40	PI2 BPSK	1	214	16.25	16.34	16.19		
40	PI2 BPSK	108	0	16.26	16.30	16.24		
40	PI2 BPSK	108	54	16.30	16.32	16.25	17.0	0.0
40	PI2 BPSK	108	108	16.25	16.28	16.24	17.0	0.0
40	PI2 BPSK	216	0	16.22	16.30	16.24		
40	QPSK	1	1	16.32	16.27	16.21		
40	QPSK	1	108	16.25	16.29	16.26		
40	QPSK	1	214	16.30	16.30	16.22	17.0	0.0
40	QPSK	108	0	16.26	16.29	16.28	17.0	0.0
40	QPSK	108	54	16.22	16.28	16.22	17.0	0.0
40	QPSK	108	108	16.26	16.30	16.26	17.0	0.0
40	QPSK	216	0	16.23	16.34	16.18	17.0	0.0
40	16QAM	1	1	16.30	16.29	16.23	17.0	0.0
40	64QAM	1	1	16.30	16.32	16.20	17.0	0.0
40	256QAM	1	1	16.24	16.28	16.24	17.0	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	PI2 BPSK	1	1	16.07	16.06	16.02	17.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	PI2 BPSK	1	1	16.06	16.06	16.00	17.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI2 BPSK	1	1	16.07	16.05	16.00	17.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1907.5		
15	PI2 BPSK	1	1	16.07	16.05	15.98	17.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1910		
10	PI2 BPSK	1	1	16.02	16.06	16.03	17.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1912.5		
5	PI2 BPSK	1	1	16.04	16.06	15.99	17.0	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				374500	376500	378500	19.0	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	17.72	17.80	17.77	19.0	0.0
40	PI2 BPSK	1	108	17.66	17.71	17.69		
40	PI2 BPSK	1	214	17.70	17.76	17.75		
40	PI2 BPSK	108	0	17.68	17.76	17.70		
40	PI2 BPSK	108	54	17.68	17.79	17.74	19.0	0.0
40	PI2 BPSK	108	108	17.62	17.75	17.69	19.0	0.0
40	PI2 BPSK	216	0	17.63	17.77	17.68		
40	QPSK	1	1	17.72	17.71	17.74		
40	QPSK	1	108	17.66	17.74	17.76		
40	QPSK	1	214	17.69	17.73	17.74	19.0	0.0
40	QPSK	108	0	17.68	17.76	17.68	19.0	0.0
40	QPSK	108	54	17.62	17.71	17.76	19.0	0.0
40	QPSK	108	108	17.63	17.79	17.77	19.0	0.0
40	QPSK	216	0	17.63	17.70	17.74	19.0	0.0
40	16QAM	1	1	17.63	17.76	17.75	19.0	0.0
40	64QAM	1	1	17.62	17.79	17.69	19.0	0.0
40	256QAM	1	1	17.62	17.69	17.65	19.0	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	PI2 BPSK	1	1	17.53	17.65	17.59	19.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	PI2 BPSK	1	1	17.56	17.65	17.59	19.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI2 BPSK	1	1	17.56	17.63	17.59	19.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1907.5		
15	PI2 BPSK	1	1	17.57	17.61	17.61	19.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1910		
10	PI2 BPSK	1	1	17.56	17.64	17.62	19.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1912.5		
5	PI2 BPSK	1	1	17.55	17.64	17.62	19.0	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				462000				
Frequency (MHz)				2310				
10	PI2 BPSK	1	1	21.30			22.0	0.0
10	PI2 BPSK	1	26	21.22				
10	PI2 BPSK	1	50	21.17				
10	PI2 BPSK	25	0	21.22			22.0	0.0
10	PI2 BPSK	25	14	21.25			22.0	0.0
10	PI2 BPSK	25	27	21.25			22.0	0.0
10	PI2 BPSK	50	0	21.25				
10	QPSK	1	1	21.28				
10	QPSK	1	26	21.25			22.0	0.0
10	QPSK	1	50	21.15			22.0	0.0
10	QPSK	25	0	21.22				
10	QPSK	25	14	21.25				
10	QPSK	25	27	21.24			22.0	0.0
10	QPSK	50	0	21.22			22.0	0.0
10	16QAM	1	1	21.23				
10	64QAM	1	1	20.55				
10	256QAM	1	1	18.56			21.5	2.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	PI2 BPSK	1	1	21.23	21.25	21.22	22.0	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				462000				
Frequency (MHz)				2310				
10	PI2 BPSK	1	1	14.12			15.0	0.0
10	PI2 BPSK	1	26	14.07				
10	PI2 BPSK	1	50	14.09				
10	PI2 BPSK	25	0	14.10			15.0	0.0
10	PI2 BPSK	25	14	14.11			15.0	0.0
10	PI2 BPSK	25	27	14.06			15.0	0.0
10	PI2 BPSK	50	0	14.09				
10	QPSK	1	1	14.03				
10	QPSK	1	26	14.00			15.0	0.0
10	QPSK	1	50	14.02			15.0	0.0
10	QPSK	25	0	14.08				
10	QPSK	25	14	14.02				
10	QPSK	25	27	14.10			15.0	0.0
10	QPSK	50	0	14.00			15.0	0.0
10	16QAM	1	1	14.06				
10	64QAM	1	1	14.01				
10	256QAM	1	1	14.02			15.0	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	PI2 BPSK	1	1	14.10	13.98	14.09	15.0	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				340000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	P1/2 BPSK	1	1	15.51	15.60	15.49	16.5	0.0
40	P1/2 BPSK	1	108	15.50	15.53	15.46		
40	P1/2 BPSK	1	214	15.45	15.53	15.42		
40	P1/2 BPSK	108	0	15.43	15.50	15.43		
40	P1/2 BPSK	108	54	15.48	15.58	15.47	16.5	0.0
40	P1/2 BPSK	108	108	15.43	15.50	15.42	16.5	0.0
40	P1/2 BPSK	216	0	15.41	15.55	15.40		
40	QPSK	1	1	15.49	15.59	15.45	16.5	0.0
40	QPSK	1	103	15.50	15.58	15.43		
40	QPSK	1	214	15.41	15.56	15.43		
40	QPSK	108	0	15.45	15.59	15.46		
40	QPSK	108	54	15.48	15.59	15.41	16.5	0.0
40	QPSK	108	108	15.42	15.58	15.42	16.5	0.0
40	QPSK	216	0	15.40	15.53	15.44	16.5	0.0
40	16QAM	1	1	15.43	15.54	15.47		
40	16QAM	1	1	15.40	15.53	15.45		
40	256QAM	1	1	15.56	15.51	15.52		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	P1/2 BPSK	1	1	15.43	15.53	15.44	16.5	0.0
Channel				349500	349500	350500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	P1/2 BPSK	1	1	15.42	15.51	15.43	16.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	P1/2 BPSK	1	1	15.40	15.51	15.40	16.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	P1/2 BPSK	1	1	15.48	15.53	15.39	16.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	P1/2 BPSK	1	1	15.42	15.54	15.39	16.5	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				340000	340000	302000		
Frequency (MHz)				1730	1745	1760		
40	P1/2 BPSK	1	1	21.17	21.25	21.09	22.0	0.0
40	P1/2 BPSK	1	108	21.07	21.20	21.00		
40	P1/2 BPSK	1	214	21.08	21.16	21.05		
40	P1/2 BPSK	108	0	21.10	21.18	20.99		
40	P1/2 BPSK	108	54	21.13	21.23	21.05	22.0	0.0
40	P1/2 BPSK	108	108	21.11	21.15	21.02	22.0	0.0
40	P1/2 BPSK	216	0	21.11	21.22	20.99		
40	QPSK	1	1	21.10	21.18	21.04	22.0	0.0
40	QPSK	1	108	21.10	21.22	21.07		
40	QPSK	1	214	21.07	21.24	21.07		
40	QPSK	108	0	21.13	21.18	21.03		
40	QPSK	108	54	21.16	21.18	21.06	22.0	0.0
40	QPSK	108	108	21.13	21.17	21.00	22.0	0.0
40	QPSK	216	0	21.07	21.23	21.08	22.0	0.0
40	16QAM	1	1	21.13	21.24	21.06		
40	16QAM	1	1	20.13	20.20	20.07		
40	256QAM	1	1	18.11	18.20	18.04		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	P1/2 BPSK	1	1	21.09	21.19	21.02	22.0	0.0
Channel				349500	349500	350500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	P1/2 BPSK	1	1	21.08	21.18	21.00	22.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	P1/2 BPSK	1	1	21.09	21.20	21.00	22.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	P1/2 BPSK	1	1	21.10	21.16	21.00	22.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	P1/2 BPSK	1	1	21.10	21.17	21.02	22.0	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				340000	349000	349000		
Frequency (MHz)				1720.5				
15	P1/2 BPSK	1	1		17.27		18.0	0.0
15	P1/2 BPSK	1	40		17.21			
15	P1/2 BPSK	1	77		17.23			
15	P1/2 BPSK	36	0		17.24			
15	P1/2 BPSK	36	22		17.25		18.0	0.0
15	P1/2 BPSK	36	43		17.24		18.0	0.0
15	P1/2 BPSK	75	0		17.22			
15	QPSK	1	1		17.22		18.0	0.0
15	QPSK	1	40		17.25			
15	QPSK	1	77		17.22			
15	QPSK	36	0		17.21		18.0	0.0
15	QPSK	36	22		17.15		18.0	0.0
15	QPSK	36	43		17.26		18.0	0.0
15	QPSK	75	0		17.17		18.0	0.0
15	16QAM	1	1		17.22			
15	16QAM	1	1		17.24			
15	256QAM	1	1		17.18		18.0	0.0
Channel				340000	349000	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	P1/2 BPSK	1	1	16.87	16.88	16.89	18.0	0.0
Channel				339500	349000	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	P1/2 BPSK	1	1	16.89	16.95	16.91	18.0	0.0



n41(FCC)_Ant 7 / n41(FCC)_Ant 7(HPUE) DS13

RF [MHz]	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	PV2 BPSK	1	1	20.01	20.07	19.91		
100	PV2 BPSK	1	137	18.63	18.90	19.85	21.0	0.0
100	PV2 BPSK	1	271	18.85	19.91	19.85		
100	PV2 BPSK	135	0	18.83	18.90	19.85	21.0	0.0
100	PV2 BPSK	135	69	18.92	20.05	19.89	21.0	0.0
100	PV2 BPSK	135	138	18.69	19.92	19.88	21.0	0.0
100	PV2 BPSK	270	0	18.85	20.02	19.80		
100	QPSK	1	1	18.91	19.99	19.93		
100	QPSK	1	137	18.77	18.81	18.78	21.0	0.0
100	QPSK	1	271	18.87	19.20	19.82		
100	QPSK	135	0	19.85	19.93	19.85		
100	QPSK	135	69	18.79	19.86	19.78	21.0	0.0
100	QPSK	135	138	18.86	19.96	19.82		
100	QPSK	270	0	18.79	19.85	19.82	21.0	0.0
100	16QAM	1	1	18.85	19.92	19.87	21.0	0.0
100	64QAM	1	1	18.78	18.85	18.78	21.0	0.0
100	256QAM	1	1	18.48	18.54	18.50	19.5	1.5
Channel								
Frequency (MHz)								
90	PV2 BPSK	1	1	18.92	19.29	19.79	21.0	0.0
Channel								
Frequency (MHz)								
80	PV2 BPSK	1	1	18.93	19.90	19.70	21.0	0.0
Channel								
Frequency (MHz)								
75	PV2 BPSK	1	1	18.92	19.92	19.70	21.0	0.0
Channel								
Frequency (MHz)								
60	PV2 BPSK	1	1	18.90	19.98	19.70	21.0	0.0
Channel								
Frequency (MHz)								
50	PV2 BPSK	1	1	18.92	19.96	19.75	21.0	0.0
Channel								
Frequency (MHz)								
40	PV2 BPSK	1	1	18.93	19.97	19.79	21.0	0.0
Channel								
Frequency (MHz)								
30	PV2 BPSK	1	1	18.90	19.96	19.77	21.0	0.0
Channel								
Frequency (MHz)								
20	PV2 BPSK	1	1	18.90	19.98	19.75	21.0	0.0

n41(FCC)_Ant 8 / n41(FCC)_Ant 8(HPUE) DS13

RF [MHz]	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	PV2 BPSK	1	1	18.98	19.00	18.78		
100	PV2 BPSK	1	137	18.81	18.85	18.72	20.0	0.0
100	PV2 BPSK	1	271	18.77	18.84	18.77		
100	PV2 BPSK	135	0	18.83	18.90	18.87	20.0	0.0
100	PV2 BPSK	135	69	18.85	18.98	18.74	20.0	0.0
100	PV2 BPSK	135	138	18.70	18.75	18.67	20.0	0.0
100	PV2 BPSK	270	0	18.81	18.97	18.73		
100	QPSK	1	1	18.83	18.88	18.84		
100	QPSK	1	137	18.78	18.82	18.78	20.0	0.0
100	QPSK	1	271	18.75	18.83	18.80		
100	QPSK	135	0	18.90	18.94	18.87		
100	QPSK	135	69	18.84	18.88	18.85	20.0	0.0
100	QPSK	135	138	18.72	18.80	18.75		
100	QPSK	270	0	18.77	18.84	18.80	20.0	0.0
100	16QAM	1	1	18.92	18.97	18.90	20.0	0.0
100	64QAM	1	1	18.75	18.79	18.75	20.0	0.0
100	256QAM	1	1	18.58	18.65	18.60	19.5	0.5
Channel								
Frequency (MHz)								
90	PV2 BPSK	1	1	18.93	18.95	18.70	20.0	0.0
Channel								
Frequency (MHz)								
80	PV2 BPSK	1	1	18.94	18.94	18.73	20.0	0.0
Channel								
Frequency (MHz)								
70	PV2 BPSK	1	1	18.93	18.93	18.73	20.0	0.0
Channel								
Frequency (MHz)								
60	PV2 BPSK	1	1	18.92	18.95	18.70	20.0	0.0
Channel								
Frequency (MHz)								
50	PV2 BPSK	1	1	18.88	18.95	18.73	20.0	0.0
Channel								
Frequency (MHz)								
40	PV2 BPSK	1	1	18.90	18.91	18.69	20.0	0.0
Channel								
Frequency (MHz)								
30	PV2 BPSK	1	1	18.91	18.93	18.71	20.0	0.0
Channel								
Frequency (MHz)								
20	PV2 BPSK	1	1	18.93	18.92	18.68	20.0	0.0

n41(FCC)_Ant 9 DS13

RF [MHz]	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	PV2 BPSK	1	1	15.63	15.65	15.44		
100	PV2 BPSK	1	137	15.35	15.39	15.40	16.5	0.0
100	PV2 BPSK	1	271	15.38	15.47	15.39		
100	PV2 BPSK	135	0	15.46	15.48	15.34	16.5	0.0
100	PV2 BPSK	135	69	15.53	15.62	15.41	16.5	0.0
100	PV2 BPSK	135	138	15.36	15.44	15.40	16.5	0.0
100	PV2 BPSK	270	0	15.50	15.59	15.35		
100	QPSK	1	1	15.48	15.56	15.53		
100	QPSK	1	137	15.10	15.17	15.13	16.5	0.0
100	QPSK	1	271	15.22	15.27	15.19		
100	QPSK	135	0	15.28	15.32	15.25		
100	QPSK	135	69	15.24	15.29	15.24	16.5	0.0
100	QPSK	135	138	15.25	15.37	15.31	16.5	0.0
100	QPSK	270	0	15.28	15.37	15.31	16.5	0.0
100	16QAM	1	1	15.57	15.55	15.50	16.5	0.0
100	64QAM	1	1	15.26	15.33	15.26	16.5	0.0
100	256QAM	1	1	14.40	14.43	14.37	15.5	1.0
Channel								
Frequency (MHz)								
90	PV2 BPSK	1	1	15.45	15.47	15.07	16.5	0.0
Channel								
Frequency (MHz)								
80	PV2 BPSK	1	1	15.43	15.40	15.07	16.5	0.0
Channel								
Frequency (MHz)								
70	PV2 BPSK	1	1	15.45	15.48	15.08	16.5	0.0
Channel								
Frequency (MHz)								
60	PV2 BPSK	1	1	15.46	15.47	15.08	16.5	0.0
Channel								
Frequency (MHz)								
50	PV2 BPSK	1	1	15.46	15.50	15.07	16.5	0.0
Channel								
Frequency (MHz)								
40	PV2 BPSK	1	1	15.46	15.50	15.05	16.5	0.0
Channel								
Frequency (MHz)								
30	PV2 BPSK	1	1	15.46	15.46	15.04	16.5	0.0
Channel								
Frequency (MHz)								
20	PV2 BPSK	1	1	15.44	15.47	14.97	16.5	0.0

n41(FCC)_Ant 6 DSI3 Sim-Tx

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	17.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.19	16.24	16.09		
100	PI/2 BPSK	1	137	16.08	16.11	16.03	17.0	0.0
100	PI/2 BPSK	1	271	15.98	16.04	15.98		
100	PI/2 BPSK	135	0	16.10	16.18	16.00		
100	PI/2 BPSK	135	69	16.15	16.21	16.05	17.0	0.0
100	PI/2 BPSK	135	138	15.97	16.05	16.02	17.0	0.0
100	PI/2 BPSK	270	0	16.06	16.18	16.10		
100	QPSK	1	1	16.11	16.19	16.12		
100	QPSK	1	137	15.94	16.01	15.94	17.0	0.0
100	QPSK	1	271	16.04	16.07	16.02		
100	QPSK	135	0	16.07	16.14	16.07		
100	QPSK	135	69	16.06	16.11	16.07	17.0	0.0
100	QPSK	135	138	16.02	16.05	15.98		
100	QPSK	270	0	15.97	16.03	16.00		
100	16QAM	1	1	16.16	16.20	16.16	17.0	0.0
100	64QAM	1	1	16.01	16.07	16.02	17.0	0.0
100	256QAM	1	1	14.45	14.53	14.50	15.5	1.5
Channel				508200	518598	528996	17.0	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	16.00	16.05	15.90		
Channel				507204	518598	529998	17.0	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	16.03	16.04	15.94		
Channel				506202	518598	531000	17.0	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	16.01	16.04	15.91		
Channel				505200	518598	531996	17.0	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	16.01	16.09	15.89		
Channel				504204	518598	532998	17.0	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	16.00	16.09	15.94		
Channel				503202	518598	534000	17.0	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	16.02	16.06	15.93		
Channel				502200	518598	534996	17.0	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	16.04	16.05	15.91		
Channel				501204	518598	535998	17.0	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	16.00	16.09	15.90		

n41(FCC)_Ant 7 / n41(FCC)_Ant 7(HPUE) DSI3 Sim-Tx

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	21.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.01	20.07	19.91		
100	PI/2 BPSK	1	137	19.83	19.90	19.85	21.0	0.0
100	PI/2 BPSK	1	271	19.85	19.91	19.86		
100	PI/2 BPSK	135	0	19.83	19.90	19.85		
100	PI/2 BPSK	135	69	19.92	20.05	19.89	21.0	0.0
100	PI/2 BPSK	135	138	19.89	19.92	19.88	21.0	0.0
100	PI/2 BPSK	270	0	19.85	20.02	19.80		
100	QPSK	1	1	19.91	19.99	19.93		
100	QPSK	1	137	19.77	19.81	19.78	21.0	0.0
100	QPSK	1	271	19.87	19.90	19.82		
100	QPSK	135	0	19.85	19.93	19.85		
100	QPSK	135	69	19.79	19.86	19.78	21.0	0.0
100	QPSK	135	138	19.86	19.90	19.82		
100	QPSK	270	0	19.79	19.85	19.82		
100	16QAM	1	1	19.85	19.92	19.87	21.0	0.0
100	64QAM	1	1	19.78	19.85	19.78	21.0	0.0
100	256QAM	1	1	18.48	18.54	18.50	19.5	1.5
Channel				508200	518598	528996	21.0	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	19.92	19.98	19.79		
Channel				507204	518598	529998	21.0	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	19.93	19.96	19.76		
Channel				506202	518598	531000	21.0	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	19.90	19.99	19.78		
Channel				505200	518598	531996	21.0	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	19.90	19.98	19.76		
Channel				504204	518598	532998	21.0	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	19.92	19.96	19.75		
Channel				503202	518598	534000	21.0	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	19.93	19.97	19.79		
Channel				502200	518598	534996	21.0	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	19.90	19.96	19.77		
Channel				501204	518598	535998	21.0	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	19.89	19.98	19.75		

n41(FCC)_Ant 8 / n41(FCC)_Ant 8(HPUE) DSI3 Sim-Tx

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	14.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.66	13.74	13.67	14.5	0.0
100	PI/2 BPSK	1	137	13.35	13.46	13.40		
100	PI/2 BPSK	1	271	13.56	13.63	13.52	14.5	0.0
100	PI/2 BPSK	135	0	13.54	13.66	13.59		
100	PI/2 BPSK	135	69	13.62	13.72	13.65	14.5	0.0
100	PI/2 BPSK	135	138	13.35	13.46	13.44		
100	PI/2 BPSK	270	0	13.60	13.70	13.63	14.5	0.0
100	QPSK	1	1	13.63	13.65	13.61		
100	QPSK	1	137	13.56	13.64	13.54	14.5	0.0
100	QPSK	1	271	13.54	13.66	13.55		
100	QPSK	135	0	13.65	13.71	13.61	14.5	0.0
100	QPSK	135	69	13.33	13.45	13.35		
100	QPSK	135	138	13.57	13.63	13.50	14.5	0.0
100	QPSK	270	0	13.55	13.67	13.47		
100	16QAM	1	1	13.52	13.54	13.46	14.5	0.0
100	64QAM	1	1	13.53	13.55	13.42	14.5	0.0
100	256QAM	1	1	13.00	13.14	13.11	14.5	0.0
Channel				508200	518598	528996	14.5	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	13.51	13.71	13.62	14.5	0.0
Channel				507204	518598	529998	14.5	0.0
Frequency (MHz)				2530.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	13.60	13.57	13.66	14.5	0.0
Channel				506202	518598	531000	14.5	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	13.50	13.62	13.59	14.5	0.0
Channel				505200	518598	531996	14.5	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	13.62	13.66	13.53	14.5	0.0
Channel				504204	518598	532998	14.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	13.51	13.71	13.62	14.5	0.0
Channel				503202	518598	534000	14.5	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	13.52	13.54	13.48	14.5	0.0
Channel				502200	518598	534996	14.5	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	13.59	13.57	13.60	14.5	0.0
Channel				501204	518598	535998	14.5	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	13.55	13.64	13.50	14.5	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				509202	518598	528000	14.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.10	13.13	12.95	14.0	0.0
100	PI/2 BPSK	1	137	12.71	12.76	12.68		
100	PI/2 BPSK	1	271	12.79	12.83	12.75	14.0	0.0
100	PI/2 BPSK	135	0	12.92	12.96	12.90		
100	PI/2 BPSK	135	69	13.05	13.10	12.94	14.0	0.0
100	PI/2 BPSK	135	138	12.77	12.83	12.77		
100	PI/2 BPSK	270	0	12.91	13.08	12.88	14.0	0.0
100	QPSK	1	1	13.00	13.07	13.03		
100	QPSK	1	137	12.64	12.69	12.62	14.0	0.0
100	QPSK	1	271	12.73	12.76	12.69		
100	QPSK	135	0	12.98	13.06	13.02	14.0	0.0
100	QPSK	135	69	12.84	12.89	12.81		
100	QPSK	135	138	12.70	12.77	12.70	14.0	0.0
100	QPSK	270	0	12.90	12.94	12.91		
100	16QAM	1	1	13.06	13.10	13.04	14.0	0.0
100	64QAM	1	1	12.89	12.94	12.87	14.0	0.0
100	256QAM	1	1	12.87	12.95	12.89	14.0	0.0
Channel				508200	518598	528996	14.0	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	13.03	13.03	12.73	14.0	0.0
Channel				507204	518598	529998	14.0	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	13.00	13.07	12.76	14.0	0.0
Channel				506202	518598	531000	14.0	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	13.00	13.04	12.73	14.0	0.0
Channel				505200	518598	531996	14.0	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	13.01	13.07	12.74	14.0	0.0
Channel				504204	518598	532998	14.0	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	13.05	13.02	12.76	14.0	0.0
Channel				503202	518598	534000	14.0	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	13.04	13.05	12.77	14.0	0.0
Channel				502200	518598	534996	14.0	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	13.00	13.02	12.77	14.0	0.0
Channel				501204	518598	535998	14.0	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	13.05	13.06	12.73	14.0	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				633000	633334		13.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.24		13.0	0.0
100	PI/2 BPSK	1	137		12.10			
100	PI/2 BPSK	1	271		12.14		13.0	0.0
100	PI/2 BPSK	135	0		12.20			
100	PI/2 BPSK	135	69		12.22		13.0	0.0
100	PI/2 BPSK	135	138		12.09			
100	PI/2 BPSK	270	0		12.20		13.0	0.0
100	QPSK	1	1		12.21			
100	QPSK	1	137		12.08		13.0	0.0
100	QPSK	1	271		12.04			
100	QPSK	135	0		12.18		13.0	0.0
100	QPSK	135	69		12.17			
100	QPSK	135	138		12.16		13.0	0.0
100	QPSK	270	0		12.23			
100	16QAM	1	1		12.20		13.0	0.0
100	64QAM	1	1		12.06		13.0	0.0
100	256QAM	1	1		12.04		13.0	0.0
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99		
90	PI/2 BPSK	1	1	12.20	12.22	12.22	13.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	PI/2 BPSK	1	1	12.21	12.15	12.15	13.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98		
70	PI/2 BPSK	1	1	12.20	12.19	12.16	13.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99		
60	PI/2 BPSK	1	1	12.20	12.17	12.17	13.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	PI/2 BPSK	1	1	12.20	12.19	12.16	13.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98		
40	PI/2 BPSK	1	1	12.20	12.19	12.14	13.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99		
30	PI/2 BPSK	1	1	12.21	12.17	12.17	13.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	PI/2 BPSK	1	1	12.18	12.20	12.16	13.0	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	656000	662000	13.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.02	12.20	12.05	13.0	0.0
100	PI/2 BPSK	1	137	11.95	12.01	11.94		
100	PI/2 BPSK	1	271	11.99	12.03	11.97	13.0	0.0
100	PI/2 BPSK	135	0	12.01	12.08	12.00		
100	PI/2 BPSK	135	69	12.00	12.19	12.04	13.0	0.0
100	PI/2 BPSK	135	138	11.91	11.98	11.95		
100	PI/2 BPSK	270	0	12.02	12.17	12.03	13.0	0.0
100	QPSK	1	1	11.96	12.04	11.99		
100	QPSK	1	137	11.95	12.02	11.99	13.0	0.0
100	QPSK	1	271	11.97	12.02	11.99		
100	QPSK	135	0	12.00	12.03	11.98	13.0	0.0
100	QPSK	135	69	11.97	12.03	11.98		
100	QPSK	135	138	11.92	11.97	11.92	13.0	0.0
100	QPSK	270	0	11.97	12.05	12.00		
100	16QAM	1	1	11.99	12.02	11.96	13.0	0.0
100	64QAM	1	1	11.81	11.84	11.78	13.0	0.0
100	256QAM	1	1	11.79	11.84	11.76	13.0	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	11.93	12.01	11.97	13.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	11.94	12.01	11.95	13.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	11.92	12.05	11.96	13.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	11.95	12.00	11.97	13.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	11.93	12.05	11.95	13.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	11.95	12.02	12.00	13.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	11.93	12.04	11.98	13.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	11.97	12.03	11.99	13.0	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				633000	633334		13.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		12.05		13.0	0.0
100	PI/2 BPSK	1	137		11.90			
100	PI/2 BPSK	1	271		11.95		13.0	0.0
100	PI/2 BPSK	135	0		11.98			
100	PI/2 BPSK	135	69		12.00		13.0	0.0
100	PI/2 BPSK	135	138		11.86			
100	PI/2 BPSK	270	0		12.03		13.0	0.0
100	QPSK	1	1		12.00			
100	QPSK	1	137		11.86		13.0	0.0
100	QPSK	1	271		11.81			
100	QPSK	135	0		11.98		13.0	0.0
100	QPSK	135	69		11.96			
100	QPSK	135	138		11.95		13.0	0.0
100	QPSK	270	0		12.00			
100	16QAM	1	1		12.02		13.0	0.0
100	64QAM	1	1		11.88		13.0	0.0
100	256QAM	1	1		11.81		13.0	0.0
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99	13.0	0.0
90	PI/2 BPSK	1	1	12.00	12.02	11.98	13.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	13.0	0.0
80	PI/2 BPSK	1	1	11.90	11.97	11.93	13.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98	13.0	0.0
70	PI/2 BPSK	1	1	11.92	11.93	11.93	13.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99	13.0	0.0
60	PI/2 BPSK	1	1	11.95	11.92	11.88	13.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	13.0	0.0
50	PI/2 BPSK	1	1	11.90	11.96	11.93	13.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98	13.0	0.0
40	PI/2 BPSK	1	1	11.95	11.93	11.93	13.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99	13.0	0.0
30	PI/2 BPSK	1	1	11.90	11.96	11.88	13.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	13.0	0.0
20	PI/2 BPSK	1	1	11.92	11.94	11.91	13.0	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				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		12.16		13.0	0.0
100	PI/2 BPSK	1	137		12.09			
100	PI/2 BPSK	1	271		11.97		13.0	0.0
100	PI/2 BPSK	135	0		11.98			
100	PI/2 BPSK	135	69		12.06		13.0	0.0
100	PI/2 BPSK	135	138		12.04		13.0	0.0
100	PI/2 BPSK	270	0		11.93			
100	QPSK	1	1		12.05		13.0	0.0
100	QPSK	1	137		12.04			
100	QPSK	1	271		11.89		13.0	0.0
100	QPSK	135	0		11.85			
100	QPSK	135	69		12.03		13.0	0.0
100	QPSK	135	138		12.02			
100	QPSK	270	0		12.00		13.0	0.0
100	16QAM	1	1		12.02		13.0	0.0
100	64QAM	1	1		12.04		13.0	0.0
100	256QAM	1	1		11.91		13.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	12.14	12.12	12.13	13.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	12.05	12.04	12.08	13.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	12.05	12.02	12.03	13.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	12.06	12.07	12.06	13.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	12.08	12.05	12.06	13.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	12.04	12.02	12.03	13.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	12.04	12.05	12.05	13.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	12.04	12.06	12.06	13.0	0.0

Part27Q_n77_Ant 4 / Part27Q_n77_Ant 4(HPUE) DSI3 Sim-**Tx**

BW [MHz]	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			10.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		9.18			
100	PI/2 BPSK	1	137		9.01		10.0	0.0
100	PI/2 BPSK	1	271		8.94			
100	PI/2 BPSK	135	0		9.08			
100	PI/2 BPSK	135	69		9.15		10.0	0.0
100	PI/2 BPSK	135	138		8.95		10.0	0.0
100	PI/2 BPSK	270	0		9.13			
100	QPSK	1	1		9.15			
100	QPSK	1	137		8.90		10.0	0.0
100	QPSK	1	271		8.92			
100	QPSK	135	0		9.17			
100	QPSK	135	69		9.11		10.0	0.0
100	QPSK	135	138		8.96			
100	QPSK	270	0		9.09			
100	16QAM	1	1		9.08		10.0	0.0
100	64QAM	1	1		9.01		10.0	0.0
100	256QAM	1	1		8.89		10.0	0.0
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99		
90	PI/2 BPSK	1	1		9.13	9.16	10.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	PI/2 BPSK	1	1		9.07	9.10	10.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98		
70	PI/2 BPSK	1	1		9.04	9.09	10.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99		
60	PI/2 BPSK	1	1		9.04	9.11	10.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	PI/2 BPSK	1	1		9.08	9.08	10.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98		
40	PI/2 BPSK	1	1		9.07	9.09	10.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99		
30	PI/2 BPSK	1	1		9.08	9.09	10.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	PI/2 BPSK	1	1		9.08	9.10	10.0	0.0

Part 270 n77_Ant 4 / Part 270 n77_Ant 4(HPUE) DSI3 Sim-**Tx**

BW [MHz]	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	656000	662000	10.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1		8.93	9.15		
100	PI/2 BPSK	1	137		8.82	9.04	10.0	0.0
100	PI/2 BPSK	1	271		8.89	9.08		
100	PI/2 BPSK	135	0		8.78	8.98		
100	PI/2 BPSK	135	69		8.87	9.13	10.0	0.0
100	PI/2 BPSK	135	138		8.80	9.01	10.0	0.0
100	PI/2 BPSK	270	0		8.85	9.11		
100	QPSK	1	1		8.84	9.03		
100	QPSK	1	137		8.73	8.95	10.0	0.0
100	QPSK	1	271		8.75	8.98		
100	QPSK	135	0		8.83	9.02		
100	QPSK	135	69		8.78	8.96	10.0	0.0
100	QPSK	135	138		8.84	9.05		
100	QPSK	270	0		8.86	9.04		
100	16QAM	1	1		8.76	9.00	10.0	0.0
100	64QAM	1	1		8.63	8.82	10.0	0.0
100	256QAM	1	1		8.55	8.78	10.0	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1		8.68	9.07	10.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1		8.68	9.07	10.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1		8.63	9.05	10.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1		8.64	9.07	10.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1		8.64	9.05	10.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1		8.68	9.08	10.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1		8.65	9.08	10.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1		8.66	9.08	10.0	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	PI/2 BPSK	1	1		9.02		10.0	0.0
100	PI/2 BPSK	1	137		8.89			
100	PI/2 BPSK	1	271		8.82			
100	PI/2 BPSK	135	0		9.00			
100	PI/2 BPSK	135	69		9.01		10.0	0.0
100	PI/2 BPSK	135	138		8.80		10.0	0.0
100	PI/2 BPSK	270	0		8.94			
100	QPSK	1	1		8.95			
100	QPSK	1	137		8.75			
100	QPSK	1	271		8.76		10.0	0.0
100	QPSK	135	0		9.01			
100	QPSK	135	69		9.00			
100	QPSK	135	138		8.81			
100	QPSK	270	0		8.98		10.0	0.0
100	16QAM	1	1		9.00		10.0	0.0
100	64QAM	1	1		8.89		10.0	0.0
100	256QAM	1	1		8.76		10.0	0.0
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99		
90	PI/2 BPSK	1	1	8.89	9.00	8.97	10.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	PI/2 BPSK	1	1	8.82	8.90	8.91	10.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98		
70	PI/2 BPSK	1	1	8.84	8.94	8.90	10.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99		
60	PI/2 BPSK	1	1	8.80	8.93	8.90	10.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	PI/2 BPSK	1	1	8.81	8.90	8.92	10.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98		
40	PI/2 BPSK	1	1	8.79	8.91	8.92	10.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99		
30	PI/2 BPSK	1	1	8.84	8.93	8.91	10.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	PI/2 BPSK	1	1	8.80	8.92	8.88	10.0	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				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		9.10		10.0	0.0
100	PI/2 BPSK	1	137		8.95			
100	PI/2 BPSK	1	271		8.85			
100	PI/2 BPSK	135	0		9.02			
100	PI/2 BPSK	135	69		9.06		10.0	0.0
100	PI/2 BPSK	135	138		8.82		10.0	0.0
100	PI/2 BPSK	270	0		9.00			
100	QPSK	1	1		9.01			
100	QPSK	1	137		8.81			
100	QPSK	1	271		8.80		10.0	0.0
100	QPSK	135	0		9.07			
100	QPSK	135	69		9.05			
100	QPSK	135	138		8.84			
100	QPSK	270	0		9.04		10.0	0.0
100	16QAM	1	1		9.07		10.0	0.0
100	64QAM	1	1		8.93		10.0	0.0
100	256QAM	1	1		8.90		10.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	8.91	8.95	8.90	10.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	8.90	8.95	8.89	10.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	8.91	9.00	8.90	10.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	8.90	8.98	8.92	10.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	8.95	8.95	8.92	10.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	8.91	8.95	8.89	10.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	8.94	8.98	8.88	10.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	8.95	9.00	8.91	10.0	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				633000	633334		17.5	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.71		17.5	0.0
100	PI/2 BPSK	1	137		16.63			
100	PI/2 BPSK	1	271		16.68		17.5	0.0
100	PI/2 BPSK	135	0		16.58			
100	PI/2 BPSK	135	69		16.69		17.5	0.0
100	PI/2 BPSK	135	138		16.65			
100	PI/2 BPSK	270	0		16.67		17.5	0.0
100	QPSK	1	1		16.52			
100	QPSK	1	137		16.52		17.5	0.0
100	QPSK	1	271		16.68			
100	QPSK	135	0		16.61		17.5	0.0
100	QPSK	135	69		16.58			
100	QPSK	135	138		16.53		17.5	0.0
100	QPSK	270	0		16.52			
100	16QAM	1	1		16.66		17.5	0.0
100	64QAM	1	1		16.58		17.5	0.0
100	256QAM	1	1		15.67		16.0	1.5
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99		
90	PI/2 BPSK	1	1	16.68	16.70	16.65	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	PI/2 BPSK	1	1	16.61	16.60	16.55	17.5	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98		
70	PI/2 BPSK	1	1	16.60	16.61	16.57	17.5	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99		
60	PI/2 BPSK	1	1	16.62	16.61	16.60	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	PI/2 BPSK	1	1	16.58	16.62	16.56	17.5	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98		
40	PI/2 BPSK	1	1	16.58	16.62	16.59	17.5	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99		
30	PI/2 BPSK	1	1	16.58	16.64	16.59	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	PI/2 BPSK	1	1	16.59	16.62	16.57	17.5	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	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.61	16.65	16.63	17.5	0.0
100	PI/2 BPSK	1	137	16.41	16.47	16.42		
100	PI/2 BPSK	1	271	16.38	16.42	16.34	17.5	0.0
100	PI/2 BPSK	135	0	16.58	16.63	16.59		
100	PI/2 BPSK	135	69	16.60	16.64	16.60	17.5	0.0
100	PI/2 BPSK	135	138	16.40	16.44	16.37		
100	PI/2 BPSK	270	0	16.50	16.62	16.54	17.5	0.0
100	QPSK	1	1	16.46	16.54	16.48		
100	QPSK	1	137	16.43	16.51	16.45	17.5	0.0
100	QPSK	1	271	16.32	16.39	16.34		
100	QPSK	135	0	16.50	16.54	16.48	17.5	0.0
100	QPSK	135	69	16.44	16.52	16.49		
100	QPSK	135	138	16.40	16.47	16.40	17.5	0.0
100	QPSK	270	0	16.46	16.52	16.46		
100	16QAM	1	1	16.50	16.58	16.51	17.5	0.0
100	64QAM	1	1	16.49	16.54	16.49	17.5	0.0
100	256QAM	1	1	14.97	15.01	14.93	16.0	1.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	16.52	16.60	16.58	17.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	16.55	16.58	16.56	17.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	16.53	16.55	16.55	17.5	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	16.55	16.56	16.53	17.5	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	16.56	16.59	16.53	17.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	16.56	16.59	16.55	17.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	16.54	16.58	16.54	17.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	16.52	16.58	16.57	17.5	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			17.5	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	16.36			17.5	0.0
100	PI/2 BPSK	1	137	16.21				
100	PI/2 BPSK	1	271	16.24			17.5	0.0
100	PI/2 BPSK	135	0	16.28				
100	PI/2 BPSK	135	69	16.35			17.5	0.0
100	PI/2 BPSK	135	138	16.14				
100	PI/2 BPSK	270	0	16.33			17.5	0.0
100	QPSK	1	1	16.35				
100	QPSK	1	137	16.31			17.5	0.0
100	QPSK	1	271	16.17				
100	QPSK	135	0	16.29			17.5	0.0
100	QPSK	135	69	16.31				
100	QPSK	135	138	16.22			17.5	0.0
100	QPSK	270	0	16.25				
100	16QAM	1	1	16.14			17.5	0.0
100	64QAM	1	1	15.97			17.5	0.0
100	256QAM	1	1	14.22			16.0	1.5
Channel				633000	633334	640332	17.5	0.0
Frequency (MHz)				3495	3500.01	3604.98		
90	PI/2 BPSK	1	1	16.32	16.35	16.31	17.5	0.0
Channel				632668	633334	640666	17.5	0.0
Frequency (MHz)				3490.02	3500.01	3609.99		
80	PI/2 BPSK	1	1	16.23	16.25	16.24	17.5	0.0
Channel				632334	633334	641000	17.5	0.0
Frequency (MHz)				3485.01	3500.01	3615		
70	PI/2 BPSK	1	1	16.23	16.26	16.25	17.5	0.0
Channel				632000	633334	641332	17.5	0.0
Frequency (MHz)				3480	3500.01	3619.98		
60	PI/2 BPSK	1	1	16.26	16.29	16.22	17.5	0.0
Channel				631668	633334	641666	17.5	0.0
Frequency (MHz)				3475.02	3500.01	3624.99		
50	PI/2 BPSK	1	1	16.22	16.26	16.24	17.5	0.0
Channel				631334	633334	642000	17.5	0.0
Frequency (MHz)				3470.01	3500.01	3630		
40	PI/2 BPSK	1	1	16.26	16.25	16.21	17.5	0.0
Channel				631000	633334	642332	17.5	0.0
Frequency (MHz)				3465	3500.01	3634.98		
30	PI/2 BPSK	1	1	16.27	16.25	16.22	17.5	0.0
Channel				630668	633334	642666	17.5	0.0
Frequency (MHz)				3460.02	3500.01	3639.99		
20	PI/2 BPSK	1	1	16.25	16.25	16.25	17.5	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				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		16.60		17.5	0.0
100	PI/2 BPSK	1	137		16.39			
100	PI/2 BPSK	1	271		16.45		17.5	0.0
100	PI/2 BPSK	135	0		16.46			
100	PI/2 BPSK	135	69		16.52		17.5	0.0
100	PI/2 BPSK	135	138		16.33			
100	PI/2 BPSK	270	0		16.44		17.5	0.0
100	QPSK	1	1		16.47			
100	QPSK	1	137		16.49		17.5	0.0
100	QPSK	1	271		16.36			
100	QPSK	135	0		16.47		17.5	0.0
100	QPSK	135	69		16.50			
100	QPSK	135	138		16.39		17.5	0.0
100	QPSK	270	0		16.40			
100	16QAM	1	1		16.41		17.5	0.0
100	64QAM	1	1		16.42		17.5	0.0
100	256QAM	1	1		14.50		16.0	1.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	16.55	16.54	16.52	17.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	16.56	16.57	16.52	17.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	16.57	16.57	16.54	17.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	16.55	16.56	16.56	17.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	16.57	16.59	16.53	17.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	16.57	16.58	16.56	17.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	16.57	16.56	16.53	17.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	16.58	16.59	16.55	17.5	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			12.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		10.89		12.0	0.0	
100	PI/2 BPSK	1	137		10.82				
100	PI/2 BPSK	1	271		10.88		12.0	0.0	
100	PI/2 BPSK	135	0		10.74				
100	PI/2 BPSK	135	69		10.86		12.0	0.0	
100	PI/2 BPSK	135	138		10.84		12.0	0.0	
100	PI/2 BPSK	270	0		10.84				
100	QPSK	1	1		10.64		12.0	0.0	
100	QPSK	1	137		10.75				
100	QPSK	1	271		10.81		12.0	0.0	
100	QPSK	135	0		10.78				
100	QPSK	135	69		10.75		12.0	0.0	
100	QPSK	135	138		10.81				
100	QPSK	270	0		10.76		12.0	0.0	
100	16QAM	1	1		10.81		12.0	0.0	
100	64QAM	1	1		10.63		12.0	0.0	
100	256QAM	1	1		10.44		12.0	0.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1		10.88	10.85	10.83	12.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1		10.79	10.80	10.75	12.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI/2 BPSK	1	1		10.79	10.79	10.73	12.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1		10.82	10.75	10.74	12.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1		10.83	10.80	10.76	12.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1		10.80	10.78	10.75	12.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1		10.83	10.75	10.75	12.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1		10.81	10.75	10.74	12.0	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	656000	662000	12.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	10.89	10.91	10.86	12.0	0.0
100	PI/2 BPSK	1	137	10.81	10.89	10.82		
100	PI/2 BPSK	1	271	10.78	10.86	10.80	12.0	0.0
100	PI/2 BPSK	135	0	10.71	10.75	10.69		
100	PI/2 BPSK	135	69	10.80	10.86	10.80	12.0	0.0
100	PI/2 BPSK	135	138	10.74	10.82	10.77		
100	PI/2 BPSK	270	0	10.76	10.84	10.74	12.0	0.0
100	QPSK	1	1	10.77	10.85	10.80		
100	QPSK	1	137	10.81	10.86	10.79	12.0	0.0
100	QPSK	1	271	10.81	10.84	10.80		
100	QPSK	135	0	10.71	10.78	10.75	12.0	0.0
100	QPSK	135	69	10.76	10.81	10.76		
100	QPSK	135	138	10.80	10.83	10.78	12.0	0.0
100	QPSK	270	0	10.74	10.79	10.75		
100	16QAM	1	1	10.72	10.76	10.72	12.0	0.0
100	64QAM	1	1	10.76	10.82	10.78	12.0	0.0
100	256QAM	1	1	10.79	10.84	10.81	12.0	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	10.83	10.84	10.78	12.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	10.83	10.86	10.76	12.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	10.84	10.84	10.81	12.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	10.84	10.81	10.80	12.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	10.82	10.84	10.78	12.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	10.84	10.83	10.80	12.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	10.82	10.85	10.81	12.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	10.79	10.86	10.76	12.0	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			12.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		10.88		12.0	0.0
100	PI/2 BPSK	1	137		10.74			
100	PI/2 BPSK	1	271		10.76		12.0	0.0
100	PI/2 BPSK	135	0		10.74			
100	PI/2 BPSK	135	69		10.87		12.0	0.0
100	PI/2 BPSK	135	138		10.80			
100	PI/2 BPSK	270	0		10.86		12.0	0.0
100	QPSK	1	1		10.70			
100	QPSK	1	137		10.76		12.0	0.0
100	QPSK	1	271		10.74			
100	QPSK	135	0		10.65		12.0	0.0
100	QPSK	135	69		10.69			
100	QPSK	135	138		10.70		12.0	0.0
100	QPSK	270	0		10.65			
100	16QAM	1	1		10.70		12.0	0.0
100	64QAM	1	1		10.80		12.0	0.0
100	256QAM	1	1		10.68		12.0	0.0
Channel				633000	633334	640332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3604.98		
90	PI/2 BPSK	1	1	10.85	10.87	10.84	12.0	0.0
Channel				632668	633334	640666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3609.99		
80	PI/2 BPSK	1	1	10.76	10.79	10.77	12.0	0.0
Channel				632334	633334	641000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3615		
70	PI/2 BPSK	1	1	10.78	10.78	10.79	12.0	0.0
Channel				632000	633334	641332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3619.98		
60	PI/2 BPSK	1	1	10.80	10.77	10.75	12.0	0.0
Channel				631668	633334	641666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3624.99		
50	PI/2 BPSK	1	1	10.80	10.79	10.74	12.0	0.0
Channel				631334	633334	642000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3630		
40	PI/2 BPSK	1	1	10.76	10.82	10.79	12.0	0.0
Channel				631000	633334	642332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3634.98		
30	PI/2 BPSK	1	1	10.78	10.82	10.76	12.0	0.0
Channel				630668	633334	642666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3639.99		
20	PI/2 BPSK	1	1	10.76	10.79	10.75	12.0	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				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		10.90		12.0	0.0
100	PI/2 BPSK	1	137		10.72			
100	PI/2 BPSK	1	271		10.77		12.0	0.0
100	PI/2 BPSK	135	0		10.74			
100	PI/2 BPSK	135	69		10.89		12.0	0.0
100	PI/2 BPSK	135	138		10.79			
100	PI/2 BPSK	270	0		10.84		12.0	0.0
100	QPSK	1	1		10.71			
100	QPSK	1	137		10.75		12.0	0.0
100	QPSK	1	271		10.72			
100	QPSK	135	0		10.70		12.0	0.0
100	QPSK	135	69		10.82			
100	QPSK	135	138		10.72		12.0	0.0
100	QPSK	270	0		10.75			
100	16QAM	1	1		10.70		12.0	0.0
100	64QAM	1	1		10.79		12.0	0.0
100	256QAM	1	1		10.73		12.0	0.0
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	PI/2 BPSK	1	1	10.89	10.88	10.85	12.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	10.83	10.83	10.78	12.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	PI/2 BPSK	1	1	10.79	10.81	10.79	12.0	0.0
Channel				648668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	10.82	10.82	10.79	12.0	0.0
Channel				648334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	10.80	10.80	10.77	12.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	PI/2 BPSK	1	1	10.80	10.81	10.75	12.0	0.0
Channel				647668	650000	652332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	10.82	10.83	10.78	12.0	0.0
Channel				647334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	10.80	10.80	10.75	12.0	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				633000	633334		9.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		7.75		9.0	0.0	
100	PI/2 BPSK	1	137		7.65				
100	PI/2 BPSK	1	271		7.71				
100	PI/2 BPSK	135	0		7.61				
100	PI/2 BPSK	135	69		7.72		9.0	0.0	
100	PI/2 BPSK	135	138		7.66		9.0	0.0	
100	PI/2 BPSK	270	0		7.70				
100	QPSK	1	1		7.48		9.0	0.0	
100	QPSK	1	137		7.61				
100	QPSK	1	271		7.68				
100	QPSK	135	0		7.63				
100	QPSK	135	69		7.60		9.0	0.0	
100	QPSK	135	138		7.67				
100	QPSK	270	0		7.60		9.0	0.0	
100	16QAM	1	1		7.66		9.0	0.0	
100	64QAM	1	1		7.70		9.0	0.0	
100	256QAM	1	1		7.60		9.0	0.0	
Channel				633000	633334	633666	9.0	0.0	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1		7.62	7.63	7.60	9.0	0.0
Channel				632668	633334	634000	9.0	0.0	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1		7.53	7.56	7.50	9.0	0.0
Channel				632334	633334	634332	9.0	0.0	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI/2 BPSK	1	1		7.56	7.55	7.52	9.0	0.0
Channel				632000	633334	634666	9.0	0.0	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1		7.57	7.53	7.55	9.0	0.0
Channel				631668	633334	635000	9.0	0.0	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1		7.52	7.53	7.55	9.0	0.0
Channel				631334	633334	635332	9.0	0.0	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1		7.52	7.58	7.55	9.0	0.0
Channel				631000	633334	635666	9.0	0.0	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1		7.54	7.57	7.55	9.0	0.0
Channel				630668	633334	636000	9.0	0.0	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1		7.55	7.54	7.51	9.0	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	656000	662000	9.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	7.86	7.96	7.88	9.0	0.0
100	PI/2 BPSK	1	137	7.72	7.77	7.72		
100	PI/2 BPSK	1	271	7.77	7.86	7.77		
100	PI/2 BPSK	135	0	7.73	7.78	7.68		
100	PI/2 BPSK	135	69	7.78	7.94	7.81	9.0	0.0
100	PI/2 BPSK	135	138	7.72	7.78	7.69	9.0	0.0
100	PI/2 BPSK	270	0	7.73	7.91	7.68		
100	QPSK	1	1	7.53	7.61	7.55	9.0	0.0
100	QPSK	1	137	7.64	7.74	7.65		
100	QPSK	1	271	7.72	7.81	7.73		
100	QPSK	135	0	7.70	7.78	7.68		
100	QPSK	135	69	7.68	7.77	7.69	9.0	0.0
100	QPSK	135	138	7.75	7.83	7.77		
100	QPSK	270	0	7.67	7.77	7.68	9.0	0.0
100	16QAM	1	1	7.74	7.80	7.70	9.0	0.0
100	64QAM	1	1	7.72	7.82	7.72	9.0	0.0
100	256QAM	1	1	7.78	7.86	7.80	9.0	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	7.77	7.87	7.83	9.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	7.79	7.88	7.78	9.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	7.78	7.91	7.81	9.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	7.76	7.90	7.82	9.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	7.77	7.89	7.78	9.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	7.78	7.87	7.78	9.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	7.77	7.86	7.82	9.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	7.77	7.87	7.82	9.0	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			9.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		7.72		9.0	0.0	
100	PI/2 BPSK	1	137		7.59				
100	PI/2 BPSK	1	271		7.67		9.0	0.0	
100	PI/2 BPSK	135	0		7.62				
100	PI/2 BPSK	135	69		7.67		9.0	0.0	
100	PI/2 BPSK	135	138		7.57				
100	PI/2 BPSK	270	0		7.60		9.0	0.0	
100	QPSK	1	1		7.40				
100	QPSK	1	137		7.54		9.0	0.0	
100	QPSK	1	271		7.62				
100	QPSK	135	0		7.62		9.0	0.0	
100	QPSK	135	69		7.59				
100	QPSK	135	138		7.65		9.0	0.0	
100	QPSK	270	0		7.56				
100	16QAM	1	1		7.62		9.0	0.0	
100	64QAM	1	1		7.62		9.0	0.0	
100	256QAM	1	1		7.66		9.0	0.0	
Channel				633000	633334	640332	9.0	0.0	
Frequency (MHz)				3495	3500.01	3604.98			
90	PI/2 BPSK	1	1		7.69	7.71	7.66	9.0	0.0
Channel				632668	633334	640666	9.0	0.0	
Frequency (MHz)				3490.02	3500.01	3609.99			
80	PI/2 BPSK	1	1		7.60	7.63	7.57	9.0	0.0
Channel				632334	633334	641000	9.0	0.0	
Frequency (MHz)				3485.01	3500.01	3615			
70	PI/2 BPSK	1	1		7.63	7.63	7.59	9.0	0.0
Channel				632000	633334	641332	9.0	0.0	
Frequency (MHz)				3480	3500.01	3619.98			
60	PI/2 BPSK	1	1		7.60	7.63	7.58	9.0	0.0
Channel				631668	633334	641666	9.0	0.0	
Frequency (MHz)				3475.02	3500.01	3624.99			
50	PI/2 BPSK	1	1		7.59	7.63	7.61	9.0	0.0
Channel				631334	633334	642000	9.0	0.0	
Frequency (MHz)				3470.01	3500.01	3630			
40	PI/2 BPSK	1	1		7.62	7.62	7.58	9.0	0.0
Channel				631000	633334	642332	9.0	0.0	
Frequency (MHz)				3465	3500.01	3634.98			
30	PI/2 BPSK	1	1		7.60	7.62	7.59	9.0	0.0
Channel				630668	633334	642666	9.0	0.0	
Frequency (MHz)				3460.02	3500.01	3639.99			
20	PI/2 BPSK	1	1		7.64	7.63	7.57	9.0	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			9.0	0.0
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		7.95		9.0	0.0
100	PI/2 BPSK	1	137		7.70			
100	PI/2 BPSK	1	271		7.66		9.0	0.0
100	PI/2 BPSK	135	0		7.61			
100	PI/2 BPSK	135	69		7.65		9.0	0.0
100	PI/2 BPSK	135	138		7.53			
100	PI/2 BPSK	270	0		7.57		9.0	0.0
100	QPSK	1	1		7.40			
100	QPSK	1	137		7.52		9.0	0.0
100	QPSK	1	271		7.60			
100	QPSK	135	0		7.59		9.0	0.0
100	QPSK	135	69		7.55			
100	QPSK	135	138		7.65		9.0	0.0
100	QPSK	270	0		7.55			
100	16QAM	1	1		7.61		9.0	0.0
100	64QAM	1	1		7.59		9.0	0.0
100	256QAM	1	1		7.61		9.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	7.89	7.92	7.86	9.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	7.82	7.86	7.79	9.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	7.84	7.85	7.80	9.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	7.81	7.82	7.76	9.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	7.80	7.82	7.78	9.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	7.82	7.85	7.77	9.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	7.83	7.85	7.77	9.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	7.82	7.85	7.78	9.0	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			16.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		15.03		16.0	0.0
100	PI/2 BPSK	1	137		14.91			
100	PI/2 BPSK	1	271		14.87		16.0	0.0
100	PI/2 BPSK	135	0		14.96			
100	PI/2 BPSK	135	69		15.00		16.0	0.0
100	PI/2 BPSK	135	138		14.85			
100	PI/2 BPSK	270	0		14.98		16.0	0.0
100	QPSK	1	1		14.85			
100	QPSK	1	137		14.88		16.0	0.0
100	QPSK	1	271		14.84			
100	QPSK	135	0		14.98		16.0	0.0
100	QPSK	135	69		14.99			
100	QPSK	135	138		14.96		16.0	0.0
100	QPSK	270	0		14.87			
100	16QAM	1	1		14.83		16.0	0.0
100	64QAM	1	1		14.36		15.5	0.5
100	256QAM	1	1		12.52		13.5	2.5
Channel				633000	633334	633666	16.0	0.0
Frequency (MHz)				3495	3500.01	3504.99		
90	PI/2 BPSK	1	1		14.97	15.02	15.02	0.0
Channel				632668	633334	634000	16.0	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	PI/2 BPSK	1	1		14.90	14.99	15.02	0.0
Channel				632334	633334	634332	16.0	0.0
Frequency (MHz)				3485.01	3500.01	3514.98		
70	PI/2 BPSK	1	1		14.80	14.84	14.96	0.0
Channel				632000	633334	634666	16.0	0.0
Frequency (MHz)				3480	3500.01	3519.99		
60	PI/2 BPSK	1	1		14.81	14.98	14.98	0.0
Channel				631668	633334	635000	16.0	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	PI/2 BPSK	1	1		14.96	14.91	14.84	0.0
Channel				631334	633334	635332	16.0	0.0
Frequency (MHz)				3470.01	3500.01	3529.98		
40	PI/2 BPSK	1	1		14.94	14.91	14.96	0.0
Channel				631000	633334	635666	16.0	0.0
Frequency (MHz)				3465	3500.01	3534.99		
30	PI/2 BPSK	1	1		14.79	14.97	14.91	0.0
Channel				630668	633334	636000	16.0	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	PI/2 BPSK	1	1		14.88	14.96	14.97	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	656000	662000	16.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.00	15.04	14.93	16.0	0.0
100	PI/2 BPSK	1	137	14.66	14.74	14.50		
100	PI/2 BPSK	1	271	14.72	14.82	14.67	16.0	0.0
100	PI/2 BPSK	135	0	14.90	14.85	14.70		
100	PI/2 BPSK	135	69	14.94	15.02	14.90	16.0	0.0
100	PI/2 BPSK	135	138	14.52	14.76	14.62		
100	PI/2 BPSK	270	0	14.90	15.00	14.78	16.0	0.0
100	QPSK	1	1	14.85	14.82	14.62		
100	QPSK	1	137	14.75	14.69	14.59	16.0	0.0
100	QPSK	1	271	14.82	14.77	14.83		
100	QPSK	135	0	14.94	14.97	14.99	16.0	0.0
100	QPSK	135	69	14.82	14.94	14.90		
100	QPSK	135	138	14.65	14.83	14.62	16.0	0.0
100	QPSK	270	0	14.93	14.86	14.79		
100	16QAM	1	1	14.69	14.80	14.58	16.0	0.0
100	64QAM	1	1	14.22	14.21	13.95	15.5	0.5
100	256QAM	1	1	12.26	12.50	12.45	13.5	2.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	14.82	14.99	14.92	16.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	14.85	14.96	14.89	16.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	14.87	14.95	14.93	16.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	14.93	14.83	14.87	16.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	14.94	14.96	14.86	16.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	14.91	15.01	14.86	16.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	14.81	14.88	15.01	16.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	14.95	15.00	14.93	16.0	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	PI/2 BPSK	1	1		14.95		16.0	0.0
100	PI/2 BPSK	1	137		14.74			
100	PI/2 BPSK	1	271		14.64			
100	PI/2 BPSK	135	0		14.82		16.0	0.0
100	PI/2 BPSK	135	69		14.88		16.0	0.0
100	PI/2 BPSK	135	138		14.75		16.0	0.0
100	PI/2 BPSK	270	0		14.87			
100	QPSK	1	1		14.74			
100	QPSK	1	137		14.80		16.0	0.0
100	QPSK	1	271		14.67			
100	QPSK	135	0		14.89			
100	QPSK	135	69		14.84		16.0	0.0
100	QPSK	135	138		14.78			
100	QPSK	270	0		14.66			
100	16QAM	1	1		14.62		16.0	0.0
100	64QAM	1	1		14.24		15.5	0.5
100	256QAM	1	1		12.32		13.5	2.5
Channel				633000	633334	640332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3604.98		
90	PI/2 BPSK	1	1	14.83	14.91	14.86	16.0	0.0
Channel				632668	633334	640666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3609.99		
80	PI/2 BPSK	1	1	14.82	14.83	14.77	16.0	0.0
Channel				632334	633334	641000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3615		
70	PI/2 BPSK	1	1	14.77	14.93	14.78	16.0	0.0
Channel				632000	633334	641332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3619.98		
60	PI/2 BPSK	1	1	14.76	14.91	14.83	16.0	0.0
Channel				631668	633334	641666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3624.99		
50	PI/2 BPSK	1	1	14.93	14.93	14.75	16.0	0.0
Channel				631334	633334	642000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3630		
40	PI/2 BPSK	1	1	14.89	14.90	14.92	16.0	0.0
Channel				631000	633334	642332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3634.98		
30	PI/2 BPSK	1	1	14.92	14.75	14.85	16.0	0.0
Channel				630668	633334	642666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3639.99		
20	PI/2 BPSK	1	1	14.82	14.84	14.82	16.0	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				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		14.96		16.0	0.0
100	PI/2 BPSK	1	137		14.77			
100	PI/2 BPSK	1	271		14.66			
100	PI/2 BPSK	135	0		14.80		16.0	0.0
100	PI/2 BPSK	135	69		14.95		16.0	0.0
100	PI/2 BPSK	135	138		14.77		16.0	0.0
100	PI/2 BPSK	270	0		14.89			
100	QPSK	1	1		14.70			
100	QPSK	1	137		14.86		16.0	0.0
100	QPSK	1	271		14.66			
100	QPSK	135	0		14.78			
100	QPSK	135	69		14.64		16.0	0.0
100	QPSK	135	138		14.87			
100	QPSK	270	0		14.60			
100	16QAM	1	1		14.90		16.0	0.0
100	64QAM	1	1		14.15		15.5	0.5
100	256QAM	1	1		12.24		13.5	2.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	14.83	14.91	14.81	16.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	14.79	14.89	14.91	16.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	14.82	14.84	14.75	16.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	14.87	14.81	14.93	16.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	14.76	14.88	14.87	16.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	14.83	14.78	14.86	16.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	14.76	14.86	14.84	16.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	14.85	14.90	14.92	16.0	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				372000	376000	380000	22.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	20.93	21.08	21.04	22.0	0.0
20	PI/2 BPSK	1	53	20.73	21.00	20.96		
20	PI/2 BPSK	1	104	20.86	20.89	20.93	22.0	0.0
20	PI/2 BPSK	50	0	20.69	20.96	20.90		
20	PI/2 BPSK	50	28	20.80	21.05	20.94	22.0	0.0
20	PI/2 BPSK	50	56	20.71	21.02	20.90		
20	PI/2 BPSK	100	0	20.75	21.00	20.92	22.0	0.0
20	QPSK	1	1	20.70	20.92	20.86		
20	QPSK	1	53	20.80	21.01	20.90	22.0	0.0
20	QPSK	1	104	20.61	20.99	20.79		
20	QPSK	50	0	20.73	20.97	20.85	22.0	0.0
20	QPSK	50	28	20.66	20.98	20.88		
20	QPSK	50	56	20.79	21.05	20.75	22.0	0.0
20	QPSK	100	0	20.78	20.91	20.87		
20	16QAM	1	1	20.67	20.99	20.89	22.0	0.0
20	64QAM	1	1	20.22	20.47	20.36		
20	256QAM	1	1	18.20	18.49	18.34	19.5	2.5
Channel				371500	376000	380500	22.0	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	PI/2 BPSK	1	1	20.79	21.06	21.01	22.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905	22.0	0.0
10	PI/2 BPSK	1	1	20.76	20.93	20.88		
Channel				370500	376000	381500	22.0	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	20.93	21.00	20.84	22.0	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				372000	376000	380000	23.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	21.98	22.15	22.05	23.0	0.0
20	PI/2 BPSK	1	53	21.95	22.06	21.87		
20	PI/2 BPSK	1	104	21.91	21.99	21.95	23.0	0.0
20	PI/2 BPSK	50	0	21.71	21.92	21.74		
20	PI/2 BPSK	50	28	21.95	22.12	22.00	23.0	0.0
20	PI/2 BPSK	50	56	21.72	21.88	21.79		
20	PI/2 BPSK	100	0	21.85	22.10	21.95	23.0	0.0
20	QPSK	1	1	21.74	21.91	21.74		
20	QPSK	1	53	21.89	21.86	21.87	23.0	0.0
20	QPSK	1	104	21.84	21.90	21.79		
20	QPSK	50	0	21.85	21.86	21.76	23.0	0.0
20	QPSK	50	28	21.81	21.97	21.89		
20	QPSK	50	56	21.86	22.03	21.81	23.0	0.0
20	QPSK	100	0	21.79	21.98	21.74		
20	16QAM	1	1	21.71	21.94	21.76	23.0	0.0
20	64QAM	1	1	20.30	20.38	20.34		
20	256QAM	1	1	18.21	18.47	18.36	19.5	3.5
Channel				371500	376000	380500	23.0	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	PI/2 BPSK	1	1	21.84	22.14	22.01	23.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905	23.0	0.0
10	PI/2 BPSK	1	1	21.89	22.00	21.94		
Channel				370500	376000	381500	23.0	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	21.84	22.05	21.95	23.0	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				374000	376500	379000	22.0	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	21.12	21.16	21.09	22.0	0.0
40	PI/2 BPSK	1	108	20.93	21.04	21.01		
40	PI/2 BPSK	1	214	20.83	20.95	20.90		
40	PI/2 BPSK	108	0	21.01	21.07	20.96		
40	PI/2 BPSK	108	54	21.08	21.14	21.06	22.0	0.0
40	PI/2 BPSK	108	108	20.91	20.96	20.82	22.0	0.0
40	PI/2 BPSK	216	0	21.05	21.13	21.02		
40	QPSK	1	1	21.11	21.13	21.00		
40	QPSK	1	108	20.79	20.93	20.79		
40	QPSK	1	214	20.77	20.88	20.85	22.0	0.0
40	QPSK	108	0	20.98	21.06	21.01		
40	QPSK	108	54	20.90	21.00	20.92		
40	QPSK	108	108	20.92	20.96	20.86		
40	QPSK	216	0	20.93	21.05	20.93	22.0	0.0
40	16QAM	1	1	21.09	21.10	21.07		
40	64QAM	1	1	20.50	20.57	20.50		
40	256QAM	1	1	18.72	18.84	18.82		
Channel				373000	376500	380000	22.0	0.0
Frequency (MHz)				1865	1882.5	1900		
30	PI/2 BPSK	1	1	20.99	21.12	20.91	22.0	0.0
Channel				372500	376500	380500	22.0	0.0
Frequency (MHz)				1862.5	1882.5	1902.5		
25	PI/2 BPSK	1	1	21.08	21.05	21.06	22.0	0.0
Channel				372000	376500	381000	22.0	0.0
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	21.06	21.12	21.00	22.0	0.0
Channel				371500	376500	381500	22.0	0.0
Frequency (MHz)				1857.5	1882.5	1907.5		
15	PI/2 BPSK	1	1	21.06	21.02	20.99	22.0	0.0
Channel				371000	376500	382000	22.0	0.0
Frequency (MHz)				1855	1882.5	1910		
10	PI/2 BPSK	1	1	21.02	21.11	20.96	22.0	0.0
Channel				370500	376500	382500	22.0	0.0
Frequency (MHz)				1852.5	1882.5	1912.5		
5	PI/2 BPSK	1	1	21.09	21.12	21.03	22.0	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				374000	376500	379000	23.0	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	22.26	22.36	22.23	23.0	0.0
40	PI/2 BPSK	1	108	22.21	22.33	22.19		
40	PI/2 BPSK	1	214	22.20	22.34	22.15		
40	PI/2 BPSK	108	0	22.14	22.28	22.19		
40	PI/2 BPSK	108	54	22.22	22.34	22.20	23.0	0.0
40	PI/2 BPSK	108	108	22.09	22.21	22.10	23.0	0.0
40	PI/2 BPSK	216	0	22.21	22.33	22.15		
40	QPSK	1	1	22.26	22.30	22.16		
40	QPSK	1	108	22.26	22.33	22.32		
40	QPSK	1	214	22.14	22.26	22.16	23.0	0.0
40	QPSK	108	0	22.20	22.29	22.25		
40	QPSK	108	54	22.17	22.18	22.17		
40	QPSK	108	108	22.08	22.17	22.05		
40	QPSK	216	0	22.21	22.22	22.12	23.0	0.0
40	16QAM	1	1	21.91	21.94	21.90		
40	64QAM	1	1	20.83	20.86	20.83		
40	256QAM	1	1	18.79	18.83	18.75		
Channel				373000	376500	380000	23.0	0.0
Frequency (MHz)				1865	1882.5	1900		
30	PI/2 BPSK	1	1	22.17	22.17	22.03	23.0	0.0
Channel				372500	376500	380500	23.0	0.0
Frequency (MHz)				1862.5	1882.5	1902.5		
25	PI/2 BPSK	1	1	22.06	22.19	22.17	23.0	0.0
Channel				372000	376500	381000	23.0	0.0
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	22.06	22.33	22.07	23.0	0.0
Channel				371500	376500	381500	23.0	0.0
Frequency (MHz)				1857.5	1882.5	1907.5		
15	PI/2 BPSK	1	1	22.26	22.28	22.15	23.0	0.0
Channel				371000	376500	382000	23.0	0.0
Frequency (MHz)				1855	1882.5	1910		
10	PI/2 BPSK	1	1	22.22	22.22	22.13	23.0	0.0
Channel				370500	376500	382500	23.0	0.0
Frequency (MHz)				1852.5	1882.5	1912.5		
5	PI/2 BPSK	1	1	22.11	22.25	22.12	23.0	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				462000			23.5	0.0
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1		22.77		23.5	0.0
10	PI/2 BPSK	1	26		22.59			
10	PI/2 BPSK	1	50		22.64			
10	PI/2 BPSK	25	0		22.53		23.5	0.0
10	PI/2 BPSK	25	14		22.75		23.5	0.0
10	PI/2 BPSK	25	27		22.55		23.5	0.0
10	PI/2 BPSK	50	0		22.73			
10	QPSK	1	1		22.67			
10	QPSK	1	26		22.66		23.5	0.0
10	QPSK	1	50		22.68			
10	QPSK	25	0		22.40			
10	QPSK	25	14		22.53		23.0	0.5
10	QPSK	25	27		22.33		23.5	0.0
10	QPSK	50	0		22.38		23.0	0.5
10	16QAM	1	1		22.35		23.0	0.5
10	64QAM	1	1		20.98		21.5	2.0
10	256QAM	1	1		18.97		19.5	4.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	PI/2 BPSK	1	1	22.71	22.56	22.61	23.5	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				462000				
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1		20.66		21.5	0.0
10	PI/2 BPSK	1	26		20.62			
10	PI/2 BPSK	1	50		20.63			
10	PI/2 BPSK	25	0		20.60		21.5	0.0
10	PI/2 BPSK	25	14		20.64		21.5	0.0
10	PI/2 BPSK	25	27		20.59		21.5	0.0
10	PI/2 BPSK	50	0		20.62			
10	QPSK	1	1		20.58			
10	QPSK	1	26		20.57		21.5	0.0
10	QPSK	1	50		20.52			
10	QPSK	25	0		20.56		21.5	0.0
10	QPSK	25	14		20.56		21.5	0.0
10	QPSK	25	27		20.50		21.5	0.0
10	QPSK	50	0		20.54			
10	16QAM	1	1		20.57		21.5	0.0
10	64QAM	1	1		20.54		21.5	0.0
10	256QAM	1	1		18.82		19.5	2.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	PI/2 BPSK	1	1	20.58	20.51	20.56	21.5	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				346000	349000	352000	21.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	20.50	20.60	20.49	21.5	0.0
40	PI/2 BPSK	1	108	20.40	20.53	20.46		
40	PI/2 BPSK	1	214	20.46	20.51	20.44		
40	PI/2 BPSK	108	0	20.43	20.52	20.45		
40	PI/2 BPSK	108	54	20.48	20.58	20.47	21.5	0.0
40	PI/2 BPSK	108	108	20.46	20.48	20.42	21.5	0.0
40	PI/2 BPSK	216	0	20.47	20.57	20.44		
40	QPSK	1	1	20.48	20.52	20.47		
40	QPSK	1	108	20.48	20.56	20.49		
40	QPSK	1	214	20.44	20.50	20.45	21.5	0.0
40	QPSK	108	0	20.43	20.58	20.46		
40	QPSK	108	54	20.45	20.58	20.43		
40	QPSK	108	108	20.41	20.55	20.39		
40	QPSK	216	0	20.40	20.59	20.49	21.5	0.0
40	16QAM	1	1	20.45	20.51	20.42		
40	64QAM	1	1	20.10	20.18	20.05		
40	256QAM	1	1	18.16	18.20	18.09		
Channel				345000	349000	353000	21.5	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	20.41	20.51	20.39	21.5	0.0
Channel				344000	349000	354000	21.5	0.0
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	20.40	20.51	20.40	21.5	0.0
Channel				343500	349000	354500	21.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	20.40	20.55	20.40	21.5	0.0
Channel				343000	349000	355000	21.5	0.0
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	20.45	20.52	20.43	21.5	0.0
Channel				342500	349000	355500	21.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	20.40	20.53	20.42	21.5	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				340500				
Frequency (MHz)				1702.5				
15	PI/2 BPSK	1	1		22.15		23.0	0.0
15	PI/2 BPSK	1	40		22.12			
15	PI/2 BPSK	1	77		22.10			
15	PI/2 BPSK	36	0		22.12			
15	PI/2 BPSK	36	22		22.14		23.0	0.0
15	PI/2 BPSK	36	43		22.07		23.0	0.0
15	PI/2 BPSK	75	0		22.11			
15	QPSK	1	1		22.05			
15	QPSK	1	40		22.13			
15	QPSK	1	77		22.09		23.0	0.0
15	QPSK	36	0		22.07			
15	QPSK	36	22		22.13			
15	QPSK	36	43		22.07			
15	QPSK	75	0		22.11		23.0	0.0
15	16QAM	1	1		22.13		23.0	0.0
15	64QAM	1	1		20.40		21.5	1.5
	256QAM	1	1		18.33		19.5	3.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	PI/2 BPSK	1	1	21.95	21.95	22.00	23.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	PI/2 BPSK	1	1	21.97	22.00	21.98	23.0	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				372000	376000	380000	22.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	20.93	21.08	21.04		
20	PI/2 BPSK	1	53	20.73	21.00	20.96	22.0	0.0
20	PI/2 BPSK	1	104	20.86	20.89	20.93		
20	PI/2 BPSK	50	0	20.69	20.96	20.90		
20	PI/2 BPSK	50	28	20.80	21.08	20.94	22.0	0.0
20	PI/2 BPSK	50	56	20.71	21.06	20.90		
20	PI/2 BPSK	100	0	20.75	20.96	20.92		
20	QPSK	1	1	20.70	20.92	20.86	22.0	0.0
20	QPSK	1	53	20.80	21.01	20.90		
20	QPSK	1	104	20.61	20.99	20.79		
20	QPSK	50	0	20.73	20.97	20.85	22.0	0.0
20	QPSK	50	28	20.66	20.98	20.88		
20	QPSK	50	56	20.79	21.05	20.75		
20	QPSK	100	0	20.78	20.91	20.87	22.0	0.0
20	16QAM	1	1	20.67	20.99	20.89		
20	64QAM	1	1	20.22	20.47	20.36		
20	256QAM	1	1	18.20	18.49	18.34	19.5	2.5
Channel				371500	376000	380500	22.0	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	PI/2 BPSK	1	1	20.79	21.06	21.01		
Channel				371000	376000	381000	22.0	0.0
Frequency (MHz)				1855	1880	1905		
10	PI/2 BPSK	1	1	20.76	20.93	20.88		
Channel				370500	376000	381500	22.0	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	20.93	21.00	20.84		

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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				372000	376000	380000	19.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	18.57	18.67	18.60		
20	PI/2 BPSK	1	53	18.30	18.45	18.49	19.5	0.0
20	PI/2 BPSK	1	104	18.37	18.60	18.43		
20	PI/2 BPSK	50	0	18.27	18.60	18.33		
20	PI/2 BPSK	50	28	18.55	18.65	18.58	19.5	0.0
20	PI/2 BPSK	50	56	18.48	18.62	18.52		
20	PI/2 BPSK	100	0	18.47	18.59	18.52		
20	QPSK	1	1	18.52	18.53	18.36	19.5	0.0
20	QPSK	1	53	18.51	18.51	18.47		
20	QPSK	1	104	18.52	18.40	18.53		
20	QPSK	50	0	18.32	18.36	18.52	19.5	0.0
20	QPSK	50	28	18.56	18.67	18.44		
20	QPSK	50	56	18.52	18.59	18.38		
20	QPSK	100	0	18.48	18.61	18.35	19.5	0.0
20	16QAM	1	1	18.35	18.57	18.55		
20	64QAM	1	1	18.56	18.47	18.45		
20	256QAM	1	1	18.55	18.63	18.59	19.5	0.0
Channel				371500	376000	380500	19.5	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	PI/2 BPSK	1	1	18.50	18.63	18.53		
Channel				371000	376000	381000	19.5	0.0
Frequency (MHz)				1855	1880	1905		
10	PI/2 BPSK	1	1	18.57	18.55	18.44		
Channel				370500	376000	381500	19.5	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	18.50	18.56	18.37		

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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				374000	376500	379000	22.0	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	21.12	21.16	21.09	22.0	0.0
40	PI/2 BPSK	1	108	20.93	21.04	21.01		
40	PI/2 BPSK	1	214	20.83	20.95	20.90		
40	PI/2 BPSK	108	0	21.01	21.07	20.96		
40	PI/2 BPSK	108	54	21.10	21.14	21.05	22.0	0.0
40	PI/2 BPSK	108	108	20.91	20.96	20.82	22.0	0.0
40	PI/2 BPSK	216	0	21.05	21.13	21.02		
40	QPSK	1	1	21.11	21.13	21.00		
40	QPSK	1	108	20.79	20.93	20.79		
40	QPSK	1	214	20.77	20.88	20.85	22.0	0.0
40	QPSK	108	0	20.96	21.06	21.01		
40	QPSK	108	54	20.90	21.00	20.92		
40	QPSK	108	108	20.92	20.96	20.86		
40	QPSK	216	0	20.93	21.05	20.93	22.0	0.0
40	16QAM	1	1	21.09	21.10	21.07		
40	64QAM	1	1	20.50	20.57	20.50		
40	256QAM	1	1	18.72	18.84	18.82		
Channel				373000	376500	380000	22.0	0.0
Frequency (MHz)				1865	1882.5	1900		
30	PI/2 BPSK	1	1	20.99	21.12	20.91	22.0	0.0
Channel				372500	376500	380500	22.0	0.0
Frequency (MHz)				1862.5	1882.5	1902.5		
25	PI/2 BPSK	1	1	21.08	21.05	21.06	22.0	0.0
Channel				372000	376500	381000	22.0	0.0
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	21.06	21.12	21.00	22.0	0.0
Channel				371500	376500	381500	22.0	0.0
Frequency (MHz)				1857.5	1882.5	1907.5		
15	PI/2 BPSK	1	1	21.06	21.02	20.99	22.0	0.0
Channel				371000	376500	382000	22.0	0.0
Frequency (MHz)				1855	1882.5	1910		
10	PI/2 BPSK	1	1	21.02	21.11	20.96	22.0	0.0
Channel				370500	376500	382500	22.0	0.0
Frequency (MHz)				1852.5	1882.5	1912.5		
5	PI/2 BPSK	1	1	21.09	21.12	21.03	22.0	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				374000	376500	379000	19.5	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	18.62	18.68	18.67	19.5	0.0
40	PI/2 BPSK	1	108	18.56	18.61	18.59		
40	PI/2 BPSK	1	214	18.60	18.66	18.67		
40	PI/2 BPSK	108	0	18.56	18.63	18.60		
40	PI/2 BPSK	108	54	18.58	18.66	18.64	19.5	0.0
40	PI/2 BPSK	108	108	18.52	18.65	18.59	19.5	0.0
40	PI/2 BPSK	216	0	18.56	18.63	18.58		
40	QPSK	1	1	18.62	18.61	18.64		
40	QPSK	1	108	18.56	18.64	18.66		
40	QPSK	1	214	18.58	18.63	18.64	19.5	0.0
40	QPSK	108	0	18.56	18.62	18.58		
40	QPSK	108	54	18.52	18.61	18.66		
40	QPSK	108	108	18.53	18.62	18.67		
40	QPSK	216	0	18.53	18.60	18.64	19.5	0.0
40	16QAM	1	1	18.53	18.60	18.65		
40	64QAM	1	1	18.52	18.60	18.59		
40	256QAM	1	1	18.52	18.59	18.55		
Channel				373000	376500	380000	19.5	0.0
Frequency (MHz)				1865	1882.5	1900		
30	PI/2 BPSK	1	1	18.53	18.65	18.59	19.5	0.0
Channel				372500	376500	380500	19.5	0.0
Frequency (MHz)				1862.5	1882.5	1902.5		
25	PI/2 BPSK	1	1	18.56	18.65	18.59	19.5	0.0
Channel				372000	376500	381000	19.5	0.0
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	18.56	18.63	18.59	19.5	0.0
Channel				371500	376500	381500	19.5	0.0
Frequency (MHz)				1857.5	1882.5	1907.5		
15	PI/2 BPSK	1	1	18.57	18.61	18.61	19.5	0.0
Channel				371000	376500	382000	19.5	0.0
Frequency (MHz)				1855	1882.5	1910		
10	PI/2 BPSK	1	1	18.56	18.64	18.62	19.5	0.0
Channel				370500	376500	382500	19.5	0.0
Frequency (MHz)				1852.5	1882.5	1912.5		
5	PI/2 BPSK	1	1	18.55	18.64	18.62	19.5	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				462000			23.5	0.0
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1		22.77		23.5	0.0
10	PI/2 BPSK	1	26		22.59			
10	PI/2 BPSK	1	50		22.64			
10	PI/2 BPSK	25	0		22.53		23.5	0.0
10	PI/2 BPSK	25	14		22.75		23.5	0.0
10	PI/2 BPSK	25	27		22.55		23.5	0.0
10	PI/2 BPSK	50	0		22.73			
10	QPSK	1	1		22.67			
10	QPSK	1	26		22.66		23.5	0.0
10	QPSK	1	50		22.68			
10	QPSK	25	0		22.40		23.0	0.5
10	QPSK	25	14		22.53		23.5	0.0
10	QPSK	25	27		22.33		23.0	0.5
10	QPSK	50	0		22.38			
10	16QAM	1	1		22.35		23.0	0.5
10	64QAM	1	1		20.98		21.5	2.0
10	256QAM	1	1		18.97		19.5	4.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	PI/2 BPSK	1	1	22.74	22.76	22.66	23.5	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				462000				
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1		17.66		18.5	0.0
10	PI/2 BPSK	1	26		17.43			
10	PI/2 BPSK	1	50		17.33			
10	PI/2 BPSK	25	0		17.56		18.5	0.0
10	PI/2 BPSK	25	14		17.65		18.5	0.0
10	PI/2 BPSK	25	27		17.28		18.5	0.0
10	PI/2 BPSK	50	0		17.63			
10	QPSK	1	1		17.32			
10	QPSK	1	26		17.36		18.5	0.0
10	QPSK	1	50		17.49			
10	QPSK	25	0		17.39		18.5	0.0
10	QPSK	25	14		17.34		18.5	0.0
10	QPSK	25	27		17.38		18.5	0.0
10	QPSK	50	0		17.45			
10	16QAM	1	1		17.61		18.5	0.0
10	64QAM	1	1		17.32		18.5	0.0
10	256QAM	1	1		17.46		18.5	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	PI/2 BPSK	1	1	17.54	17.49	17.53	18.5	0.0

n66_Ant 1 DS16 Sim-Tx

BW [MHz]	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	21.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	20.50	20.60	20.49	21.5	0.0
40	PI/2 BPSK	1	108	20.40	20.53	20.46		
40	PI/2 BPSK	1	214	20.46	20.51	20.44		
40	PI/2 BPSK	108	0	20.42	20.52	20.45		
40	PI/2 BPSK	108	54	20.48	20.58	20.47	21.5	0.0
40	PI/2 BPSK	108	108	20.46	20.48	20.42	21.5	0.0
40	PI/2 BPSK	216	0	20.47	20.57	20.45		
40	QPSK	1	1	20.48	20.52	20.47		
40	QPSK	1	108	20.48	20.56	20.49		
40	QPSK	1	214	20.44	20.50	20.45	21.5	0.0
40	QPSK	108	0	20.43	20.58	20.46		
40	QPSK	108	54	20.45	20.58	20.43		
40	QPSK	108	108	20.41	20.55	20.39		
40	QPSK	216	0	20.40	20.59	20.49	21.5	0.0
40	16QAM	1	1	20.45	20.51	20.42	21.5	0.0
40	64QAM	1	1	20.10	20.18	20.05	21.5	0.0
40	256QAM	1	1	18.16	18.20	18.09	19.5	2.0
Channel				345000	349000	353000	21.5	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	20.41	20.51	20.39	21.5	0.0
Channel				344000	349000	354000	21.5	0.0
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	20.40	20.51	20.40	21.5	0.0
Channel				343500	349000	354500	21.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	20.40	20.55	20.40	21.5	0.0
Channel				343000	349000	355000	21.5	0.0
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	20.45	20.52	20.43	21.5	0.0
Channel				342500	349000	355500	21.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	20.40	20.53	20.42	21.5	0.0

n70_Ant 1 DS16 Sim-Tx

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				340500				
Frequency (MHz)				1702.5				
15	PI/2 BPSK	1	1		22.15		23.0	0.0
15	PI/2 BPSK	1	40		22.02			
15	PI/2 BPSK	1	77		22.00			
15	PI/2 BPSK	36	0		22.02			
15	PI/2 BPSK	36	22		22.14		23.0	0.0
15	PI/2 BPSK	36	43		21.97		23.0	0.0
15	PI/2 BPSK	75	0		22.11			
15	QPSK	1	1		21.95			
15	QPSK	1	40		22.03			
15	QPSK	1	77		21.99		23.0	0.0
15	QPSK	36	0		21.97			
15	QPSK	36	22		22.03			
15	QPSK	36	43		21.97			
15	QPSK	75	0		22.01		23.0	0.0
15	16QAM	1	1		22.03		23.0	0.0
15	64QAM	1	1		20.40		21.5	1.5
	256QAM	1	1		18.33		19.5	3.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	PI/2 BPSK	1	1	21.95	21.95	22.00	23.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	PI/2 BPSK	1	1	21.97	22.00	21.98	23.0	0.0

n41(FCC)_Ant 7 / n41(FCC)_Ant 7(HPUE) DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	23.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.18	22.25	22.16	23.0	0.0
100	PI/2 BPSK	1	137	22.13	22.19	22.09		
100	PI/2 BPSK	1	271	22.03	22.18	21.96	23.0	0.0
100	PI/2 BPSK	135	0	21.95	22.20	22.13		
100	PI/2 BPSK	135	69	22.15	22.22	22.14	23.0	0.0
100	PI/2 BPSK	135	138	21.97	22.19	22.04		
100	PI/2 BPSK	270	0	22.13	22.20	22.05	23.0	0.0
100	QPSK	1	1	22.08	22.18	21.92		
100	QPSK	1	137	22.08	22.16	22.19	23.0	0.0
100	QPSK	1	271	21.96	22.11	21.83		
100	QPSK	135	0	21.83	22.03	21.85	23.0	0.0
100	QPSK	135	69	21.95	22.06	22.13		
100	QPSK	135	138	21.89	22.16	21.90	23.0	0.0
100	QPSK	270	0	21.80	22.08	21.88		
100	16QAM	1	1	22.10	22.02	22.04	23.0	0.0
100	64QAM	1	1	20.03	20.31	20.30	21.5	1.5
100	256QAM	1	1	18.44	18.62	18.52	19.5	3.5
Channel				508200	518598	528996	23.0	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	21.98	22.19	22.00	23.0	0.0
Channel				507204	518598	529998	23.0	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	22.19	22.24	22.14	23.0	0.0
Channel				506202	518598	531000	23.0	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	22.13	22.18	22.22	23.0	0.0
Channel				505200	518598	531996	23.0	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	22.17	22.23	22.06	23.0	0.0
Channel				504204	518598	532998	23.0	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	21.91	22.03	22.09	23.0	0.0
Channel				503202	518598	534000	23.0	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	22.23	21.99	22.05	23.0	0.0
Channel				502200	518598	534996	23.0	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	22.09	22.20	22.08	23.0	0.0
Channel				501204	518598	535998	23.0	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	22.16	22.06	21.98	23.0	0.0

n41(FCC)_Ant 8 / n41(FCC)_Ant 8(HPUE) DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	22.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.67	21.74	21.65	22.5	0.0
100	PI/2 BPSK	1	137	21.40	21.53	21.47		
100	PI/2 BPSK	1	271	21.55	21.66	21.54	22.5	0.0
100	PI/2 BPSK	135	0	21.55	21.62	21.55		
100	PI/2 BPSK	135	69	21.64	21.72	21.63	22.5	0.0
100	PI/2 BPSK	135	138	21.60	21.68	21.60		
100	PI/2 BPSK	270	0	21.60	21.70	21.56	22.5	0.0
100	QPSK	1	1	21.58	21.69	21.61		
100	QPSK	1	137	21.58	21.65	21.51	22.5	0.0
100	QPSK	1	271	21.58	21.68	21.54		
100	QPSK	135	0	21.57	21.60	21.50	22.5	0.0
100	QPSK	135	69	21.63	21.72	21.63		
100	QPSK	135	138	21.59	21.65	21.52	22.5	0.0
100	QPSK	270	0	21.60	21.70	21.60		
100	16QAM	1	1	21.58	21.62	21.48	22.5	0.0
100	64QAM	1	1	20.36	20.49	20.46	21.5	1.0
100	256QAM	1	1	18.47	18.52	18.45	19.5	3.0
Channel				508200	518598	528996	22.5	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	21.52	21.55	21.52	22.5	0.0
Channel				507204	518598	529998	22.5	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	21.65	21.58	21.57	22.5	0.0
Channel				506202	518598	531000	22.5	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	21.53	21.70	21.61	22.5	0.0
Channel				505200	518598	531996	22.5	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	21.59	21.58	21.57	22.5	0.0
Channel				504204	518598	532998	22.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	21.52	21.55	21.63	22.5	0.0
Channel				503202	518598	534000	22.5	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	21.47	21.60	21.49	22.5	0.0
Channel				502200	518598	534996	22.5	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	21.67	21.56	21.64	22.5	0.0
Channel				501204	518598	535998	22.5	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	21.50	21.56	21.55	22.5	0.0



n41(FCC)_Ant 7 / n41(FCC)_Ant 7(HPUE) DSI6 Sim-Tx

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	23.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.18	22.25	22.16	23.0	0.0
100	PI/2 BPSK	1	137	22.13	22.19	22.09		
100	PI/2 BPSK	1	271	22.03	22.18	21.96	23.0	0.0
100	PI/2 BPSK	135	0	21.95	22.20	22.13		
100	PI/2 BPSK	135	69	22.15	22.22	22.14	23.0	0.0
100	PI/2 BPSK	135	138	21.97	22.19	22.04		
100	PI/2 BPSK	270	0	22.13	22.20	22.05	23.0	0.0
100	QPSK	1	1	22.08	22.18	21.92		
100	QPSK	1	137	22.08	22.16	22.19	23.0	0.0
100	QPSK	1	271	21.96	22.11	21.83		
100	QPSK	135	0	21.83	22.03	21.85	23.0	0.0
100	QPSK	135	69	21.95	22.06	22.13		
100	QPSK	135	138	21.89	22.16	21.90	23.0	0.0
100	QPSK	270	0	21.80	22.08	21.88		
100	16QAM	1	1	22.10	22.02	22.04	23.0	0.0
100	64QAM	1	1	20.03	20.31	20.30	21.5	1.5
100	256QAM	1	1	18.44	18.62	18.52	19.5	3.5
Channel				508200	518598	528996	23.0	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	21.98	22.19	22.00	23.0	0.0
Channel				507204	518598	529998	23.0	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	22.19	22.24	22.14	23.0	0.0
Channel				506202	518598	531000	23.0	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	22.13	22.18	22.22	23.0	0.0
Channel				505200	518598	531996	23.0	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	22.17	22.23	22.06	23.0	0.0
Channel				504204	518598	532998	23.0	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	21.91	22.03	22.09	23.0	0.0
Channel				503202	518598	534000	23.0	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	22.23	21.99	22.05	23.0	0.0
Channel				502200	518598	534996	23.0	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	22.09	22.20	22.08	23.0	0.0
Channel				501204	518598	535998	23.0	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	22.16	22.06	21.98	23.0	0.0

n41(FCC)_Ant 8 / n41(FCC)_Ant 8(HPUE) DSI6 Sim-Tx

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	19.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.69	18.71	18.60	19.5	0.0
100	PI/2 BPSK	1	137	18.67	18.67	18.57		
100	PI/2 BPSK	1	271	18.63	18.63	18.58	19.5	0.0
100	PI/2 BPSK	135	0	18.65	18.65	18.52		
100	PI/2 BPSK	135	69	18.67	18.70	18.57	19.5	0.0
100	PI/2 BPSK	135	138	18.65	18.62	18.50		
100	PI/2 BPSK	270	0	18.65	18.68	18.52	19.5	0.0
100	QPSK	1	1	18.67	18.64	18.64		
100	QPSK	1	137	18.57	18.57	18.59	19.5	0.0
100	QPSK	1	271	18.65	18.64	18.69		
100	QPSK	135	0	18.63	18.60	18.63	19.5	0.0
100	QPSK	135	69	18.64	18.61	18.61		
100	QPSK	135	138	18.67	18.62	18.64	19.5	0.0
100	QPSK	270	0	18.65	18.60	18.61		
100	16QAM	1	1	18.67	18.65	18.68	19.5	0.0
100	64QAM	1	1	18.58	18.57	18.58	19.5	0.0
100	256QAM	1	1	18.52	18.52	18.52	19.5	0.0
Channel				508200	518598	528996	19.5	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	18.59	18.63	18.55	19.5	0.0
Channel				507204	518598	529998	19.5	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	18.55	18.64	18.50	19.5	0.0
Channel				506202	518598	531000	19.5	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	18.59	18.62	18.55	19.5	0.0
Channel				505200	518598	531996	19.5	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	18.60	18.63	18.50	19.5	0.0
Channel				504204	518598	532998	19.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	18.58	18.62	18.51	19.5	0.0
Channel				503202	518598	534000	19.5	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	18.56	18.66	18.53	19.5	0.0
Channel				502200	518598	534996	19.5	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	18.59	18.63	18.52	19.5	0.0
Channel				501204	518598	535998	19.5	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	18.59	18.61	18.50	19.5	0.0

Part27Q_n77_Ant 4 / Part27Q_n77_Ant 4(HPUE) DSI6

BW [MHz]	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	PI/2 BPSK	1	1		16.76		17.5	0.0
100	PI/2 BPSK	1	137		16.62			
100	PI/2 BPSK	1	271		16.65		17.5	0.0
100	PI/2 BPSK	135	0		16.71			
100	PI/2 BPSK	135	69		16.75		17.5	0.0
100	PI/2 BPSK	135	138		16.51			
100	PI/2 BPSK	270	0		16.72		17.5	0.0
100	QPSK	1	1		16.74			
100	QPSK	1	137		16.65		17.5	0.0
100	QPSK	1	271		16.55			
100	QPSK	135	0		16.75		17.5	0.0
100	QPSK	135	69		16.71			
100	QPSK	135	138		16.58		17.5	0.0
100	QPSK	270	0		16.65			
100	16QAM	1	1		16.65		17.5	0.0
100	64QAM	1	1		16.63		17.5	0.0
100	256QAM	1	1		16.66		17.5	0.0
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99		
90	PI/2 BPSK	1	1	16.70	16.75	16.73	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	PI/2 BPSK	1	1	16.64	16.67	16.68	17.5	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98		
70	PI/2 BPSK	1	1	16.64	16.69	16.68	17.5	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99		
60	PI/2 BPSK	1	1	16.65	16.68	16.65	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	PI/2 BPSK	1	1	16.61	16.65	16.67	17.5	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98		
40	PI/2 BPSK	1	1	16.64	16.70	16.67	17.5	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99		
30	PI/2 BPSK	1	1	16.61	16.69	16.65	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	PI/2 BPSK	1	1	16.64	16.65	16.67	17.5	0.0

Part 27O n77_Ant 4 / Part 27O n77_Ant 4(HPUE) DSI6

BW [MHz]	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	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.45	16.78	16.66	17.5	0.0
100	PI/2 BPSK	1	137	16.35	16.74	16.61		
100	PI/2 BPSK	1	271	16.34	16.70	16.58	17.5	0.0
100	PI/2 BPSK	135	0	16.36	16.74	16.61		
100	PI/2 BPSK	135	69	16.40	16.77	16.64	17.5	0.0
100	PI/2 BPSK	135	138	16.32	16.69	16.54	17.5	0.0
100	PI/2 BPSK	270	0	16.38	16.75	16.61		
100	QPSK	1	1	16.37	16.77	16.64	17.5	0.0
100	QPSK	1	137	16.36	16.73	16.59		
100	QPSK	1	271	16.38	16.76	16.61	17.5	0.0
100	QPSK	135	0	16.41	16.77	16.61		
100	QPSK	135	69	16.32	16.71	16.59	17.5	0.0
100	QPSK	135	138	16.33	16.71	16.56		
100	QPSK	270	0	16.27	16.67	16.51	17.5	0.0
100	16QAM	1	1	16.22	16.63	16.49	17.5	0.0
100	64QAM	1	1	16.19	16.60	16.48	17.5	0.0
100	256QAM	1	1	16.17	16.57	16.42	17.5	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	16.40	16.63	16.57	17.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	16.36	16.64	16.56	17.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	16.36	16.64	16.58	17.5	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	16.40	16.62	16.59	17.5	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	16.39	16.60	16.60	17.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	16.37	16.63	16.56	17.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	16.39	16.60	16.59	17.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	16.40	16.65	16.57	17.5	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	PI/2 BPSK	1	1		16.60		17.5	0.0
100	PI/2 BPSK	1	137		16.44			
100	PI/2 BPSK	1	271		16.48		17.5	0.0
100	PI/2 BPSK	135	0		16.53			
100	PI/2 BPSK	135	69		16.58		17.5	0.0
100	PI/2 BPSK	135	138		16.38			
100	PI/2 BPSK	270	0		16.47		17.5	0.0
100	QPSK	1	1		16.55			
100	QPSK	1	137		16.52		17.5	0.0
100	QPSK	1	271		16.41			
100	QPSK	135	0		16.50		17.5	0.0
100	QPSK	135	69		16.53			
100	QPSK	135	138		16.44		17.5	0.0
100	QPSK	270	0		16.47			
100	16QAM	1	1		16.48		17.5	0.0
100	64QAM	1	1		16.45		17.5	0.0
100	256QAM	1	1		16.48		17.5	0.0
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99		
90	PI/2 BPSK	1	1	16.55	16.58	16.52	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	PI/2 BPSK	1	1	16.47	16.53	16.43	17.5	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98		
70	PI/2 BPSK	1	1	16.47	16.52	16.43	17.5	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99		
60	PI/2 BPSK	1	1	16.50	16.49	16.45	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	PI/2 BPSK	1	1	16.50	16.50	16.46	17.5	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98		
40	PI/2 BPSK	1	1	16.49	16.48	16.47	17.5	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99		
30	PI/2 BPSK	1	1	16.45	16.50	16.45	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	PI/2 BPSK	1	1	16.45	16.50	16.47	17.5	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				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		16.55		17.5	0.0
100	PI/2 BPSK	1	137		16.36			
100	PI/2 BPSK	1	271		16.44		17.5	0.0
100	PI/2 BPSK	135	0		16.47			
100	PI/2 BPSK	135	69		16.53		17.5	0.0
100	PI/2 BPSK	135	138		16.32			
100	PI/2 BPSK	270	0		16.42		17.5	0.0
100	QPSK	1	1		16.47			
100	QPSK	1	137		16.45		17.5	0.0
100	QPSK	1	271		16.35			
100	QPSK	135	0		16.44		17.5	0.0
100	QPSK	135	69		16.45			
100	QPSK	135	138		16.41		17.5	0.0
100	QPSK	270	0		16.44			
100	16QAM	1	1		16.44		17.5	0.0
100	64QAM	1	1		16.40		17.5	0.0
100	256QAM	1	1		16.41		17.5	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	16.54	16.52	16.50	17.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	16.48	16.46	16.42	17.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	16.45	16.46	16.45	17.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	16.46	16.47	16.42	17.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	16.48	16.46	16.44	17.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	16.46	16.45	16.45	17.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	16.48	16.45	16.43	17.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	16.46	16.46	16.43	17.5	0.0

Part27Q_n77_Ant 4 / Part27Q_n77_Ant 4(HPUE) DSI6

Sim-Tx

BW [MHz]	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	PI/2 BPSK	1	1	13.67			14.5	0.0
100	PI/2 BPSK	1	137	13.64				
100	PI/2 BPSK	1	271	13.60			14.5	0.0
100	PI/2 BPSK	135	0	13.61				
100	PI/2 BPSK	135	69	13.65			14.5	0.0
100	PI/2 BPSK	135	138	13.63				
100	PI/2 BPSK	270	0	13.64			14.5	0.0
100	QPSK	1	1	13.58				
100	QPSK	1	137	13.46			14.5	0.0
100	QPSK	1	271	13.42				
100	QPSK	135	0	13.53			14.5	0.0
100	QPSK	135	69	13.51				
100	QPSK	135	138	13.64			14.5	0.0
100	QPSK	270	0	13.56				
100	16QAM	1	1	13.57			14.5	0.0
100	64QAM	1	1	13.48			14.5	0.0
100	256QAM	1	1	13.59			14.5	0.0
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99		
90	PI/2 BPSK	1	1	13.62	13.54	13.57	14.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	PI/2 BPSK	1	1	13.64	13.61	13.53	14.5	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98		
70	PI/2 BPSK	1	1	13.51	13.47	13.57	14.5	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99		
60	PI/2 BPSK	1	1	13.60	13.62	13.53	14.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	PI/2 BPSK	1	1	13.48	13.52	13.54	14.5	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98		
40	PI/2 BPSK	1	1	13.57	13.55	13.63	14.5	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99		
30	PI/2 BPSK	1	1	13.50	13.47	13.66	14.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	PI/2 BPSK	1	1	13.57	13.59	13.50	14.5	0.0

Part 270 n77_Ant 4 / Part 270 n77_Ant 4(HPUE) DSI6 Sim-

Tx

BW [MHz]	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	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	13.46	13.65	13.61	14.5	0.0
100	PI/2 BPSK	1	137	13.43	13.54	13.56		
100	PI/2 BPSK	1	271	13.32	13.64	13.53		
100	PI/2 BPSK	135	0	13.39	13.49	13.52		
100	PI/2 BPSK	135	69	13.44	13.63	13.60	14.5	0.0
100	PI/2 BPSK	135	138	13.23	13.44	13.54	14.5	0.0
100	PI/2 BPSK	270	0	13.36	13.60	13.57		
100	QPSK	1	1	13.44	13.54	13.59	14.5	0.0
100	QPSK	1	137	13.48	13.51	13.57		
100	QPSK	1	271	13.41	13.53	13.56		
100	QPSK	135	0	13.46	13.45	13.57		
100	QPSK	135	69	13.30	13.47	13.60	14.5	0.0
100	QPSK	135	138	13.32	13.44	13.59		
100	QPSK	270	0	13.35	13.46	13.58	14.5	0.0
100	16QAM	1	1	13.14	13.52	13.13	14.5	0.0
100	64QAM	1	1	13.41	13.59	13.49	14.5	0.0
100	256QAM	1	1	13.16	13.44	13.30	14.5	0.0
Channel				649668	650000	662332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	PI/2 BPSK	1	1	13.31	13.55	13.52	14.5	0.0
Channel				649334	650000	662666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	13.39	13.61	13.56	14.5	0.0
Channel				649000	650000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	13.28	13.47	13.48	14.5	0.0
Channel				648668	650000	663332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	13.31	13.47	13.60	14.5	0.0
Channel				648334	650000	663666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	13.30	13.60	13.50	14.5	0.0
Channel				648000	650000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	13.38	13.53	13.46	14.5	0.0
Channel				647668	650000	664332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	13.32	13.63	13.58	14.5	0.0
Channel				647334	650000	664666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	13.36	13.63	13.45	14.5	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			14.5	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		13.55		14.5	0.0
100	PI/2 BPSK	1	137		13.53			
100	PI/2 BPSK	1	271		13.50		14.5	0.0
100	PI/2 BPSK	135	0		13.50			
100	PI/2 BPSK	135	69		13.53		14.5	0.0
100	PI/2 BPSK	135	138		13.52			
100	PI/2 BPSK	270	0		13.48		14.5	0.0
100	QPSK	1	1		13.38			
100	QPSK	1	137		13.50		14.5	0.0
100	QPSK	1	271		13.52			
100	QPSK	135	0		13.41		14.5	0.0
100	QPSK	135	69		13.48			
100	QPSK	135	138		13.49		14.5	0.0
100	QPSK	270	0		13.42			
100	16QAM	1	1		13.54		14.5	0.0
100	64QAM	1	1		13.47		14.5	0.0
100	256QAM	1	1		13.17		14.5	0.0
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99		
90	PI/2 BPSK	1	1	13.29	13.42	13.41	14.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	PI/2 BPSK	1	1	13.37	13.32	13.36	14.5	0.0
Channel				632234	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98		
70	PI/2 BPSK	1	1	13.40	13.36	13.43	14.5	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99		
60	PI/2 BPSK	1	1	13.39	13.39	13.42	14.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	PI/2 BPSK	1	1	13.07	13.28	13.25	14.5	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98		
40	PI/2 BPSK	1	1	13.34	13.27	13.33	14.5	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99		
30	PI/2 BPSK	1	1	13.42	13.35	13.43	14.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	PI/2 BPSK	1	1	13.34	13.42	13.44	14.5	0.0

Part27O n78_Ant 4 DSI6 Sim-Tx

BW [MHz]	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				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		13.56		14.5	0.0
100	PI/2 BPSK	1	137		13.46			
100	PI/2 BPSK	1	271		13.34		14.5	0.0
100	PI/2 BPSK	135	0		13.38			
100	PI/2 BPSK	135	69		13.41		14.5	0.0
100	PI/2 BPSK	135	138		13.25			
100	PI/2 BPSK	270	0		13.36		14.5	0.0
100	QPSK	1	1		13.45			
100	QPSK	1	137		13.49		14.5	0.0
100	QPSK	1	271		13.37			
100	QPSK	135	0		13.45		14.5	0.0
100	QPSK	135	69		13.29			
100	QPSK	135	138		13.27		14.5	0.0
100	QPSK	270	0		13.31			
100	16QAM	1	1		13.40		14.5	0.0
100	64QAM	1	1		13.55		14.5	0.0
100	256QAM	1	1		13.26		14.5	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	13.51	13.44	13.51	14.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	13.49	13.54	13.38	14.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	13.39	13.37	13.41	14.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	13.46	13.46	13.47	14.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	13.48	13.50	13.36	14.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	13.41	13.52	13.48	14.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	13.54	13.47	13.45	14.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	13.46	13.37	13.51	14.5	0.0

Bluetooth/WLAN Power

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit	Duty cycle
			Packet Type										
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5		
Bluetooth	CH 0	2402	11.70	11.70	11.80	7.0	7.00	7.10	7.00	7.00	7.10	12.50	76.90
	CH 39	2441	10.50	10.50	10.60	5.4	5.40	5.50	5.40	5.40	5.50		
	CH 78	2480	10.50	10.50	10.60	5.4	5.40	5.50	5.40	5.40	5.50		

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	6.60
	CH 19	2440	6.30
	CH 39	2480	6.40
Tune-up Limit			8

BLE_1M/2M

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	6.60	6.70
	CH 19	2440	6.30	6.40
	CH 39	2480	6.40	6.50
Tune-up Limit			8.00	8.00



2.4GHz WLAN Ant 3			Default Power Table		At Head Power table 1 (Standalone WLAN)		At Head Power table 2 (Simultaneous WLAN+WWAN)		Body-worn Power table 1 (Standalone WLAN)		Body-worn Power table 2 (Simultaneous WLAN+WWAN)		MHS(Mobile Hotspot) Power table (Simultaneous WLAN+WWAN)		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	
802.11b 1Mbps	1	2412	21.00	22.50	17.10	18.00	13.10	14.50	19.50	21.00	18.30	19.50	18.30	19.50	99.29
	6	2437	19.80	21.50	16.90	18.00	12.90	14.50	19.10	21.00	17.80	19.50	17.80	19.50	
	11	2462	20.40	21.50	17.00	18.00	13.00	14.50	19.40	21.00	18.30	19.50	18.30	19.50	
802.11g 6Mbps	1	2412	20.00	21.50	17.20	18.00	12.90	14.50	19.50	21.00	17.90	19.50	17.90	19.50	98.25
	6	2437	19.30	21.00	16.70	18.00	12.70	14.50	19.30	21.00	17.70	19.50	17.70	19.50	
	11	2462	20.20	21.50	17.10	18.00	13.10	14.50	19.50	21.00	18.10	19.50	18.10	19.50	
802.11n-HT20 MCS0	1	2412	20.00	21.50	Not Required	18.00	Not Required	14.50	Not Required	21.00	Not Required	19.50	Not Required	19.50	98.11
	6	2437	20.10	21.50		18.00		14.50		21.00		19.50		19.50	
	11	2462	19.00	20.50		18.00		14.50		21.00		19.50		19.50	
802.11n-HT40 MCS0	3	2422	19.20	21.00		18.00		14.50		21.00		19.50		19.50	
	6	2437	19.20	21.00		18.00		14.50		21.00		19.50		19.50	
	9	2452	17.00	18.50		18.00		14.50		18.50		18.50		18.50	
802.11ac-VHT20 MCS0	1	2412	18.00	19.50		18.00		14.50		19.50		19.50		19.50	97.75
	6	2437	18.10	19.50		18.00		14.50		19.50		19.50		19.50	
	11	2462	18.20	19.50		18.00		14.50		19.50		19.50		19.50	
802.11ac-VHT40 MCS0	3	2422	18.00	19.50		18.00		14.50		19.50		19.50		19.50	94.71
	6	2437	18.30	19.50		18.00		14.50		19.50		19.50		19.50	
	9	2452	16.90	18.50		18.00		14.50		18.50		18.50		18.50	

5.2GHz WLAN Ant 5			Default Power Table		At Head Power table 1 (Standalone WLAN)		At Head Power table 2 (Simultaneous WLAN+WWAN)		Body-worn Power table 1 (Standalone WLAN)		Body-worn Power table 2 (Simultaneous WLAN+WWAN)		MHS(Mobile Hotspot) Power table (Simultaneous WLAN+WWAN)		Handheld Power table 1 (Standalone WLAN)		Handheld Power table 2 (Simultaneous WLAN+WWAN) Default Power Table, Simultaneous WLAN+WWAN		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	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	36	5180	20.23	21.00	20.23	21.00	20.23	21.00		11.00		10.00		10.00		19.00		16.50	98.13
	40	5200	20.13	21.00	20.13	21.00	20.13	21.00		11.00		10.00		10.00		19.00		16.50	
	44	5220	20.31	21.00	20.31	21.00	20.31	21.00		11.00		10.00		10.00		19.00		16.50	
	48	5240	20.20	21.00	20.20	21.00	20.20	21.00		11.00		10.00		10.00		19.00		16.50	
802.11n-HT20 MCS0	36	5180	20.14	21.00	20.14	21.00	20.14	21.00		11.00		10.00		10.00	Not Required	19.00		16.50	98.00
	40	5200	20.04	21.00	20.04	21.00	20.04	21.00		11.00		10.00		10.00		19.00		16.50	
	44	5220	20.21	21.00	20.21	21.00	20.21	21.00		11.00		10.00		10.00		19.00		16.50	
	48	5240	20.12	21.00	20.12	21.00	20.12	21.00		11.00		10.00		10.00		19.00		16.50	
802.11n-HT40 MCS0	38	5190	15.68	17.50	15.68	17.50	15.68	17.50	Not Required	11.00	Not Required	10.00	Not Required	10.00	15.68	17.50	Not Required	16.50	96.77
	46	5230	19.10	20.50	19.10	20.50	19.10	20.50		11.00		10.00		10.00		17.44		19.00	
802.11ac-VHT20 MCS0	36	5180	19.39	21.00	19.39	21.00	19.39	21.00		11.00		10.00		10.00		19.00		16.50	98.38
	40	5200	19.16	21.00	19.16	21.00	19.16	21.00		11.00		10.00		10.00		19.00		16.50	
	44	5220	19.03	21.00	19.03	21.00	19.03	21.00		11.00		10.00		10.00		19.00		16.50	
	48	5240	19.05	21.00	19.05	21.00	19.05	21.00		11.00		10.00		10.00		19.00		16.50	
802.11ac-VHT40 MCS0	38	5190	15.62	17.50	15.62	17.50	15.62	17.50		11.00		10.00		10.00	Not Required	17.50		16.50	96.80
	46	5230	19.06	20.50	19.06	20.50	19.06	20.50		11.00		10.00		10.00		19.00		16.50	
802.11ac-VHT80 MCS0	42	5210	14.83	16.50	14.83	16.50	14.83	16.50	9.18	11.00	8.37	10.00	8.37	10.00		16.50	14.83	16.50	91.95

5.3GHz WLAN Ant 5			Default Power Table		At Head Power table 1 (Standalone WLAN)		At Head Power table 2 (Simultaneous WLAN+WWAN)		Body-worn Power table 1 (Standalone WLAN)		Body-worn Power table 2 (Simultaneous WLAN+WWAN)		Handheld Power table 1 (Standalone WLAN)		Handheld Power table 2 (Simultaneous WLAN+WWAN) Default Power Table, Simultaneous WLAN+WWAN		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	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	52	5260	20.21	21.00	20.21	21.00	20.21	21.00	Not Required	11.00	Not Required	9.00	Not Required	19.00	Not Required	16.50	98.13
	56	5280	20.26	21.00	20.26	21.00	20.26	21.00		11.00		9.00		19.00		16.50	
	60	5300	20.39	21.00	20.39	21.00	20.39	21.00		11.00		9.00		19.00		16.50	
802.11n-HT20 MCS0	64	5320	20.33	21.00	20.33	21.00	20.33	21.00		11.00		9.00		19.00		16.50	98.00
	52	5260	20.17	21.00	20.17	21.00	20.17	21.00		11.00		9.00		19.00		16.50	
	56	5280	20.21	21.00	20.21	21.00	20.21	21.00		11.00		9.00		19.00		16.50	
802.11n-HT40 MCS0	80	5300	20.34	21.00	20.34	21.00	20.34	21.00		11.00		9.00		19.00		16.50	96.77
	64	5320	20.38	21.00	20.38	21.00	20.38	21.00		11.00		9.00		19.00		16.50	
	54	5270	19.06	20.50	19.06	20.50	19.06	20.50		11.00		9.00		19.00		16.50	
802.11ac-VHT20 MCS0	62	5310	19.22	20.50	19.22	20.50	19.22	20.50		11.00		9.00		19.00		16.50	98.38
	52	5260	19.01	21.00	19.01	21.00	19.01	21.00		11.00		9.00		19.00		16.50	
	56	5280	19.02	21.00	19.02	21.00	19.02	21.00		11.00		9.00		19.00		16.50	
802.11ac-VHT40 MCS0	60	5300	19.16	21.00	19.16	21.00	19.16	21.00		11.00		9.00		19.00		16.50	96.80
	64	5320	19.11	21.00	19.11	21.00	19.11	21.00		11.00		9.00		19.00		16.50	
	54	5270	19.02	20.50	19.02	20.50	19.02	20.50		11.00		9.00		19.00		16.50	
802.11ac-VHT80 MCS0	62	5310	19.17	20.50	19.17	20.50	19.17	20.50		11.00		9.00		19.00		16.50	91.95
	58	5290	19.05	20.50	19.05	20.50	19.05	20.50	9.20	11.00	7.21	9.00	17.27	19.00	14.63	16.50	

5.5GHz WLAN Ant 5			Default Power Table		At Head Power table 1 (Standalone WLAN)		At Head Power table 2 (Simultaneous WLAN+WWAN)		Body-worn Power table 1 (Standalone WLAN)		Body-worn Power table 2 (Simultaneous WLAN+WWAN)		Handheld Power table 1 (Standalone WLAN)		Handheld Power table 2 (Simultaneous WLAN+WWAN) Default Power Table, Simultaneous WLAN+WWAN		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	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	100	5500	20.37	21.50	20.37	21.50	Not Required	19.50	Not Required	11.00	Not Required	8.00	Not Required	18.00	Not Required	15.50	98.13	
	116	5580	20.45	21.50	20.45	21.50		19.50		11.00		8.00		18.00		15.50		
	132	5660	20.31	21.50	20.31	21.50		19.50		11.00		8.00		18.00		15.50		
802.11n-HT20 MCS0	140	5700	20.34	21.50	20.34	21.50	Not Required	19.50	Not Required	11.00	Not Required	8.00	Not Required	18.00	Not Required	15.50	98.00	
	100	5500	20.33	21.50	20.33	21.50		19.50		11.00		8.00		18.00		15.50		
	116	5580	20.46	21.50	20.46	21.50		19.50		11.00		8.00		18.00		15.50		
802.11n-HT40 MCS0	132	5660	20.29	21.50	20.29	21.50	Not Required	19.50	Not Required	11.00	Not Required	8.00	Not Required	18.00	Not Required	15.50	96.77	
	140	5700	20.22	21.50	20.22	21.50		19.50		11.00		8.00		18.00		15.50		
	102	5510	19.11	21.00	19.11	21.00		17.62		19.50		11.00		8.00		18.00		15.50
802.11ac-VHT20 MCS0	110	5550	19.17	21.00	19.17	21.00	Not Required	19.50	Not Required	11.00	Not Required	8.00	Not Required	18.00	Not Required	15.50	98.38	
	134	5670	19.08	21.00	19.08	21.00		17.51		19.50		11.00		8.00		18.00		15.50
	100	5500	19.07	21.00	19.07	21.00		19.50		11.00		8.00		18.00		15.50		
802.11ac-VHT40 MCS0	116	5580	19.20	21.00	19.20	21.00	Not Required	19.50	Not Required	11.00	Not Required	8.00	Not Required	18.00	Not Required	15.50	91.95	
	132	5660	19.05	21.00	19.05	21.00		19.50		11.00		8.00		18.00		15.50		
	140	5700	19.03	21.00	19.03	21.00		19.50		11.00		8.00		18.00		15.50		
802.11ac-VHT80 MCS0	102	5510	19.05	21.00	19.05	21.00	Not Required	19.50	Not Required	11.00	Not Required	8.00	Not Required	18.00	Not Required	15.50	91.95	
	110	5550	19.09	21.00	19.09	21.00		19.50		11.00		8.00		18.00		15.50		
	134	5670	19.02	21.00	19.02	21.00		19.50		11.00		8.00		18.00		15.50		
802.11ac-VHT80 MCS0	106	5530	16.49	18.00	16.49	18.00	18.00	9.48	11.00	6.42	8.00	16.49	18.00	13.97	15.50	91.95		



Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.

RF exposure position																					
											Average Value of Time Sweep (W/kg)										
WWAN_Ant 1 Head	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	0	20	40	60	80	100	120	140	160	180	200
	WCDMA V	RMC 12.2Kbps	DS12 (Full)	4233	846.6	NA	NA	Right Cheek	0mm	0.224	0.096	0	0.118	0.167	0.156	0.054	0	0.062	0.189	0.048	0.051
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	1	21	41	61	81	101	121	141	161	181	201
	WCDMA IV	RMC 12.2Kbps	DS12 (Full)	1413	1732.6	NA	NA	Right Cheek	0mm	0.166	0.07	0.068	0.049	0.05	0.066	0.063	0.047	0.096	0	0.05	0.056
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	2	22	42	62	82	102	122	142	162	182	202
	WCDMA II	RMC 12.2Kbps	DS12 (Full)	9262	1852.4	NA	NA	Left Cheek	0mm	0.123	0.077	0.054	0.084	0	0.087	0.047	0.045	0.051	0.068	0.04	0.074
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	3	23	43	63	83	103	123	143	163	183	203
	LTE Band 71	20M-QPSK	DS12 (Full)	133322	683	1	99	Right Cheek	0mm	0.145	0	0.115	0	0	0	0	0	0.116	0	0	0
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	4	24	44	64	84	104	124	144	164	184	204
	LTE Band 12	10M-QPSK	DS12 (Full)	23095	707.5	1	0	Right Cheek	0mm	0.205	0	0.131	0	0	0	0	0.08	0.135	0	0	0
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	5	25	45	65	85	105	125	145	165	185	205
	LTE Band 13	10M-QPSK	DS12 (Full)	23230	782	1	0	Right Cheek	0mm	0.183	0.057	0.053	0	0.047	0.077	0.045	0.043	0	0.111	0	0
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	6	26	46	66	86	106	126	146	166	186	206
	LTE Band 14	10M-QPSK	DS12 (Full)	23330	793	1	0	Right Cheek	0mm	0.187	0.116	0.065	0	0.068	0.165	0.074	0.055	0.046	0.17	0	0
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	7	27	47	67	87	107	127	147	167	187	207
	LTE Band 26	15M-QPSK	DS12 (Full)	26965	841.5	1	0	Right Cheek	0mm	0.223	0.196	0.052	0.178	0.102	0.112	0	0.084	0	0.054	0	0
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	8	28	48	68	88	108	128	148	168	188	208
	LTE Band 66	20M-QPSK	DS12 (Full)	132322	1745	1	0	Right Cheek	0mm	0.153	0.045	0.05	0.044	0.108	0	0.064	0	0.047	0.052	0	0.129
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	9	29	49	69	89	109	129	149	169	189	209
	LTE Band 25	20M-QPSK	DS12 (Full)	26590	1905	1	0	Right Cheek	0mm	0.17	0	0.043	0	0.06	0	0	0	0	0	0	0
WWAN_Ant 1 Body	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	10	30	50	70	90	110	130	150	170	190	0
	WCDMA V	RMC 12.2Kbps	DS1 3	4233	846.6	NA	NA	Back	5mm	0.943	0.672	0.304	0.818	0.147	0.502	0.396	0.107	0.421	0.252	0.203	0.19
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	11	31	51	71	91	111	131	151	171	191	1
	WCDMA IV	RMC 12.2Kbps	DS1 3	1312	1712.4	NA	NA	Back	5mm	0.914	0.278	0.397	0.302	0.671	0.909	0.309	0.533	0.305	0.325	0.199	0.464
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	12	32	52	72	92	112	132	152	172	192	2
	WCDMA II	RMC 12.2Kbps	DS1 3	9538	1907.6	NA	NA	Back	5mm	0.928	0.325	0.326	0.292	0.302	0.327	0.319	0.575	0.312	0.293	0.258	0.528
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	13	33	53	73	93	113	133	153	173	193	3
	LTE Band 71	20M-QPSK	DS1 3(Full)	133322	683	1	99	Back	5mm	0.783	0.123	0.628	0.056	0.133	0.615	0.048	0.04	0.158	0.088	0.079	0
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	14	34	54	74	94	114	134	154	174	194	4
	LTE Band 12	10M-QPSK	DS1 3(Full)	23095	707.5	1	0	Back	5mm	0.897	0.182	0.599	0.076	0.221	0.422	0.115	0.07	0	0	0.091	0.058
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	15	35	55	75	95	115	135	155	175	195	5
	LTE Band 13	10M-QPSK	DS1 3(Full)	23230	782	1	0	Back	5mm	0.729	0.33	0.341	0.306	0.69	0.126	0.177	0.589	0	0	0.121	0.429
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	16	36	56	76	96	116	136	156	176	196	6
	LTE Band 14	10M-QPSK	DS1 3(Full)	23330	793	1	0	Back	5mm	0.954	0.078	0.5	0.505	0.781	0.175	0.236	0.853	0.09	0.118	0.259	0.828
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	17	37	57	77	97	117	137	157	177	197	7
	LTE Band 26	15M-QPSK	DS1 3	26965	841.5	1	0	Back	5mm	0.965	0.062	0.407	0.836	0.414	0.153	0.373	0.506	0.55	0.248	0	0.67
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	18	38	58	78	98	118	138	158	178	198	8
	LTE Band 66	20M-QPSK	DS1 3	132572	1770	1	0	Back	5mm	0.957	0.621	0.326	0.256	0.382	0.283	0.14	0.205	0.386	0.146	0.62	0.35
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	19	39	59	79	99	119	139	159	179	199	9
	LTE Band 25	20M-QPSK	DS1 3	26590	1905	1	0	Back	5mm	0.797	0.313	0.308	0.264	0.299	0.272	0.481	0.218	0.191	0.17	0.153	0.32