

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

Table for Band 2_Ant 2. Columns include RB (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Turn-up, and MPR (dB). Rows list various frequency channels and power levels for different modulation schemes like QPSK, 16QAM, and 64QAM.

Table for Band 4_Ant 2. Columns include RB (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Turn-up, and MPR (dB). Rows list various frequency channels and power levels for different modulation schemes like QPSK, 16QAM, and 64QAM.

Table for Band 5_Ant 2. Columns include RB (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Turn-up, and MPR (dB). Rows list various frequency channels and power levels for different modulation schemes like QPSK, 16QAM, and 64QAM.

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		
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		
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		
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	189	251	128	189
Frequency (MHz)	324.2	336.4	348.8	324.2	336.4	348.8	324.2	336.4
GSM 1 Tx slot	32.42	32.57	33.32	33.50	23.42	23.57	23.32	24.50
GPRS 1 Tx slots	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	512	661
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	1880
GSM 1 Tx slot	29.61	29.41	29.80	30.50	20.61	20.41	20.80	21.50
GPRS 1 Tx slots	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)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9262	9400	9538	1312	1413	1513	4132	4182	4233	9262	9400	9538	
Rx Channel	9562	9800	9938	1537	1638	1738	4357	4407	4458	9562	9800	9938	
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6	1852.4	1880	1907.6	
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	RMV 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										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Time-up (min)	MPE (dB)		
Channel										
1860 1860 1900										
20	QPSK	1	0	23.13	22.91	22.77				
20	QPSK	1	49	22.91	22.77	22.63	24	0		
20	QPSK	1	99	22.77	22.63	22.49				
20	QPSK	50	0	22.29	22.17	22.05				
20	QPSK	50	24	22.16	22.05	21.93				
20	QPSK	50	50	22.08	22.06	22.00	23	1		
20	QPSK	100	0	22.23	22.17	22.07				
20	16QAM	50	0	22.51	22.45	22.39				
20	16QAM	1	49	22.42	22.35	22.28	23	1		
20	16QAM	1	99	22.33	22.26	22.19				
20	16QAM	50	0	21.27	21.17	21.00				
20	16QAM	50	24	21.14	21.18	21.25	22	2		
20	16QAM	50	50	21.08	21.07	21.03				
20	16QAM	100	0	21.12	21.07	21.07				
20	64QAM	1	0	21.46	21.39	21.32				
20	64QAM	1	49	21.29	21.23	21.13	22	2		
20	64QAM	1	99	21.08	21.15	21.23				
20	64QAM	50	0	20.30	20.18	20.04				
20	64QAM	50	24	20.15	20.19	20.26				
20	64QAM	50	50	20.10	20.08	20.04	21	3		
20	256QAM	100	0	20.15	20.10	20.10				
20	256QAM	1	49	17.76	17.47	17.48	19	5		
20	256QAM	1	99	17.63	17.55	17.53				
20	256QAM	50	0	17.80	17.68	17.60				
20	256QAM	50	24	17.77	17.70	17.69	19	5		
20	256QAM	50	50	17.74	17.51	17.84				
20	256QAM	100	0	17.70	17.57	17.57				
Channel										
1875 1880 1925.5										
15	QPSK	1	0	23.04	22.84	22.68				
15	QPSK	1	37	22.90	22.78	22.68	24	0		
15	QPSK	1	74	22.78	22.79	22.84				
15	QPSK	36	0	22.30	22.16	21.95				
15	QPSK	36	25	22.23	22.15	22.09				
15	QPSK	36	39	22.08	22.07	22.05	23	1		
15	QPSK	75	0	22.17	22.14	22.13				
15	16QAM	1	49	22.44	22.38	22.33				
15	16QAM	1	37	22.41	22.37	22.33	23	1		
15	16QAM	1	74	22.30	22.26	22.23				
15	16QAM	36	0	21.26	21.18	21.01				
15	16QAM	36	29	21.24	21.12	21.05	22	2		
15	16QAM	36	59	21.13	21.09	21.07				
15	16QAM	75	0	21.16	21.15	21.00				
15	64QAM	1	0	21.46	21.20	21.19				
15	64QAM	1	37	21.33	21.29	21.27	22	2		
15	64QAM	1	74	21.22	21.12	20.87				
15	64QAM	36	0	20.28	20.19	20.00				
15	64QAM	36	29	20.26	20.26	20.28				
15	64QAM	36	39	20.15	20.14	20.04	21	3		
15	64QAM	75	0	20.16	20.13	19.99				
15	256QAM	1	49	17.86	17.68	17.68	19	5		
15	256QAM	1	37	17.61	17.54	17.77				
15	256QAM	1	74	17.44	17.50	17.54				
15	256QAM	36	0	17.60	17.58	17.58				
15	256QAM	36	29	17.44	17.78	17.86	19	5		
15	256QAM	36	39	17.47	17.55	17.68				
15	256QAM	75	0	17.42	17.42	17.42				
Channel										
1890 1890 1935										
10	QPSK	1	0	23.10	22.96	22.81				
10	QPSK	1	25	23.06	22.93	22.83	24	0		
10	QPSK	1	49	23.03	22.84	22.85				
10	QPSK	12	0	22.42	22.30	22.17				
10	QPSK	25	12	22.36	22.25	22.11				
10	QPSK	25	25	22.29	22.19	22.14	23	1		
10	16QAM	1	49	22.36	22.29	22.23				
10	16QAM	1	0	22.59	22.49	22.43				
10	16QAM	1	24	22.50	22.46	22.38	23	1		
10	16QAM	1	49	22.47	22.44	22.38				
10	16QAM	25	0	21.42	21.33	21.15				
10	16QAM	25	12	21.40	21.31	21.13	22	2		
10	16QAM	25	25	21.33	21.29	21.23				
10	16QAM	50	0	21.37	21.27	21.10				
10	64QAM	1	0	21.61	21.51	21.28				
10	64QAM	1	24	21.41	21.37	21.31	22	2		
10	64QAM	1	49	21.40	21.37	21.31				
10	64QAM	25	0	20.43	20.34	20.15				
10	64QAM	25	12	20.40	20.39	20.33				
10	64QAM	25	25	20.33	20.25	20.02	21	3		
10	64QAM	50	0	20.40	20.29	20.10				
10	256QAM	1	49	17.84	17.61	17.71	19	5		
10	256QAM	1	24	17.67	17.61	17.81				
10	256QAM	1	49	17.43	17.44	17.70				
10	256QAM	12	0	17.75	17.62	17.82				
10	256QAM	25	12	17.62	17.41	17.54	19	5		
10	256QAM	25	25	17.42	17.44	17.86				
10	256QAM	50	0	17.73	17.41	17.46				
Channel										
1895 1895 1940.5										
5	QPSK	1	0	23.10	22.96	22.81				
5	QPSK	1	12	23.05	22.90	22.83	24	0		
5	QPSK	1	24	23.02	22.81	22.79				
5	QPSK	12	0	22.42	22.30	22.17				
5	QPSK	12	7	22.40	22.32	22.11				
5	QPSK	12	13	22.36	22.16	22.05	23	1		
5	QPSK	25	0	22.40	22.18	22.07				
5	16QAM	1	0	22.68	22.56	22.41				
5	16QAM	1	12	22.76	22.57	22.44	23	1		
5	16QAM	1	24	22.15	22.11	22.07				
5	16QAM	12	0	21.45	21.34	21.16				
5	16QAM	12	7	21.39	21.27	21.14	22	2		
5	16QAM	12	13	21.28	21.21	21.07				
5	16QAM	25	0	21.36	21.24	21.09				
5	64QAM	1	0	21.59	21.43	21.34				
5	64QAM	1	12	21.44	21.37	21.30	22	2		
5	64QAM	1	24	21.44	21.32	21.20				
5	64QAM	12	0	20.46	20.32	20.20				
5	64QAM	12	7	20.43	20.39	20.33				
5	64QAM	12	13	20.34	20.20	19.71	21	3		
5	64QAM	25	0	20.40	20.28	19.82				
5	256QAM	1	49	17.82	17.62	17.80	19	5		
5	256QAM	1	12	17.59	17.58	17.54				
5	256QAM	1	24	17.71	17.55	17.47				
5	256QAM	12	0	17.67	17.61	17.68				
5	256QAM	12	7	17.65	17.79	17.62	19	5		
5	256QAM	12	13	17.45	17.67	17.78				
5	256QAM	25	0	17.74	17.50	17.65				
Channel										
1861.5 1860 1918.5										
3	QPSK	1	0	23.10	22.93	22.75				
3	QPSK	1	8	23.03	22.87	22.82	24	0		
3	QPSK	1	14	23.00	22.87	22.74				
3	QPSK	8	0	22.41	22.28	22.13				
3	QPSK	8	4	22.42	22.25	22.07	23	1		
3	QPSK	8	7	22.31	22.16	22.02				
3	QPSK	15	0	22.33	22.20	22.07				
3	16QAM	1	0	22.61	22.63	22.43				
3	16QAM	1	8	22.61	22.55	22.56	23	1		
3	16QAM	1	14	22.43	22.41	22.28				
3	16QAM	8	0	21.46	21.29	21.20				
3	16QAM	8	4	21.41	21.27	21.19	22	2		
3	16QAM	8	7	21.30	21.19	21.09				
3	16QAM	15	0	21.36	21.23	21.10				
3	64QAM	1	0	21.59	21.47	21.38				
3	64QAM	1	8	21.58	21.45	21.39</				



Band 7_Ant 7										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up limit (secs)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.96	23.13	22.91				
10	QPSK	1	49	22.94	22.98	22.85	24	0		
10	QPSK	1	99	22.94	22.98	22.85				
10	QPSK	50	0	22.07	22.14	21.99				
10	QPSK	50	24	22.03	22.04	22.10				
10	QPSK	50	50	22.02	22.04	21.96	23	1		
10	QPSK	100	0	21.00	22.08	22.04				
10	QPSK	100	0	22.03	22.04	22.10				
10	16QAM	1	49	21.95	22.08	22.07	23	1		
10	16QAM	1	99	22.42	22.26	21.98				
10	16QAM	50	0	20.91	21.14	21.04				
10	16QAM	50	24	20.91	21.04	21.02				
10	16QAM	50	50	20.84	21.04	21.00				
10	16QAM	100	0	20.95	21.08	21.05				
10	64QAM	1	49	20.59	21.20	20.90				
10	64QAM	1	99	21.11	21.20	20.69	22	2		
10	64QAM	50	0	19.99	20.10	20.01				
10	64QAM	50	24	19.93	20.10	20.01				
10	64QAM	50	50	19.93	20.18	20.03	21	3		
10	64QAM	100	0	19.88	20.05	20.14				
10	256QAM	1	49	17.53	17.51	17.44	19	5		
10	256QAM	1	99	17.40	17.59	17.54				
10	256QAM	50	0	17.42	17.61	17.55				
10	256QAM	50	24	17.44	17.44	17.48				
10	256QAM	50	50	17.42	17.55	17.40	19	5		
10	256QAM	100	0	17.45	17.55	17.45				
Channel										
Frequency (MHz)										
18	QPSK	1	0	22.77	22.85	22.81				
15	QPSK	1	37	22.89	22.94	22.81	24	0		
15	QPSK	1	74	22.95	23.00	22.87				
15	QPSK	36	0	21.89	22.13	22.01				
15	QPSK	36	25	22.02	22.11	22.09				
15	QPSK	36	39	21.94	22.03	22.08	23	1		
15	QPSK	75	0	21.97	22.09	22.05				
15	16QAM	1	0	21.99	22.08	22.12				
15	16QAM	1	37	22.37	22.20	22.19	23	1		
15	16QAM	1	74	22.91	22.74	22.74				
15	16QAM	36	0	20.93	21.14	21.09				
15	16QAM	36	29	21.02	21.14	21.07				
15	16QAM	36	74	21.06	21.14	21.01				
15	16QAM	75	0	20.98	21.14	21.10				
15	64QAM	1	0	21.18	21.14	20.91				
15	64QAM	1	37	20.71	20.97	21.04	22	2		
15	64QAM	1	74	21.20	21.25	21.21				
15	64QAM	36	0	20.01	20.20	20.14				
15	64QAM	36	29	20.04	20.14	20.01				
15	64QAM	36	39	19.98	20.11	20.10	21	3		
15	64QAM	75	0	19.94	19.93	20.04				
15	256QAM	1	0	17.84	17.72	17.81				
15	256QAM	1	37	17.74	17.82	17.80	19	5		
15	256QAM	1	74	17.86	18.10	17.86				
15	256QAM	36	0	17.85	17.95	17.85				
15	256QAM	36	29	17.95	17.95	17.90				
15	256QAM	36	39	17.73	18.02	17.83	19	5		
15	256QAM	75	0	17.84	17.85	17.83				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.70	21.00	20.65				
10	QPSK	1	25	22.95	23.01	22.98	24	0		
10	QPSK	1	49	22.89	23.07	23.05				
10	QPSK	1	99	22.94	23.04	23.01				
10	QPSK	25	12	22.02	22.18	22.26				
10	QPSK	25	25	22.03	22.17	22.17	23	1		
10	QPSK	50	0	21.06	22.06	22.04				
10	16QAM	1	0	22.12	22.32	22.39				
10	16QAM	1	24	22.17	22.33	21.99	23	1		
10	16QAM	1	49	22.08	22.16	22.01				
10	16QAM	25	0	21.00	21.20	21.23				
10	16QAM	25	12	21.08	21.19	21.27				
10	16QAM	25	25	21.12	21.12	21.01				
10	16QAM	50	0	21.04	21.23	21.24				
10	64QAM	1	0	21.26	21.60	21.21				
10	64QAM	1	24	21.30	21.35	21.17	22	2		
10	64QAM	1	49	20.95	21.20	21.32				
10	64QAM	25	0	20.02	20.33	20.24				
10	64QAM	25	12	20.12	20.24	20.25				
10	64QAM	25	25	20.13	20.25	20.30	21	3		
10	64QAM	50	0	20.17	20.16	20.24				
10	256QAM	1	0	17.87	18.05	17.79				
10	256QAM	1	24	18.00	18.04	17.81	19	5		
10	256QAM	1	49	17.83	18.08	17.80				
10	256QAM	25	0	17.91	17.85	17.85				
10	256QAM	25	12	18.06	17.83	17.76	19	5		
10	256QAM	25	25	17.98	17.82	17.82				
10	256QAM	50	0	17.90	17.89	17.81				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.77	21.09	21.05				
5	QPSK	1	12	22.75	22.95	23.12	24	0		
5	QPSK	1	24	22.90	23.10	23.01				
5	QPSK	12	0	21.82	22.16	22.19				
5	QPSK	12	7	22.03	22.15	22.28	23	1		
5	QPSK	12	13	22.03	22.20	22.27				
5	QPSK	25	0	21.97	22.18	22.13				
5	16QAM	1	0	22.45	22.65	22.23	23	1		
5	16QAM	1	12	22.44	22.68	22.56				
5	16QAM	12	13	21.12	21.30	21.31				
5	16QAM	12	7	21.15	21.25	21.09				
5	16QAM	12	13	21.12	21.30	21.31				
5	16QAM	25	0	21.03	21.26	21.37				
5	64QAM	1	0	20.82	21.30	21.00				
5	64QAM	1	12	21.07	21.36	21.01	22	2		
5	64QAM	1	24	21.30	21.53	21.12				
5	64QAM	12	0	18.86	20.27	20.13				
5	64QAM	12	7	19.99	20.41	20.33				
5	64QAM	12	13	20.12	20.17	20.12	21	3		
5	64QAM	25	0	20.01	20.26	20.19				
5	256QAM	1	0	17.84	18.00	17.81				
5	256QAM	1	12	17.94	17.89	17.88	19	5		
5	256QAM	1	24	18.04	18.00	17.72				
5	256QAM	12	0	17.88	17.83	17.83				
5	256QAM	12	7	17.75	17.86	17.73	19	5		
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 Mid Ch./Freq.	Power High Ch./Freq.	Time-up limit (secs)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.02	23.00	22.84				
10	QPSK	1	25	23.00	23.00	22.84	24	0		
10	QPSK	1	49	22.99	23.01	22.82				
10	QPSK	25	0	22.25	22.30	22.21				
10	QPSK	25	12	22.18	22.27	22.20				
10	QPSK	25	25	22.21	22.22	22.18	23	1		
10	QPSK	50	0	22.27	22.28	22.20				
10	QPSK	50	0	22.82	22.48	22.50				
10	16QAM	1	25	22.53	22.47	22.53	23	1		
10	16QAM	1	49	22.54	22.38	22.44				
10	16QAM	25	0	21.32	21.31	21.24				
10	16QAM	25	12	21.42	21.30	21.33				
10	16QAM	25	25	21.39	21.40	21.24				
10	16QAM	50	0	21.38	21.29	21.23				
10	64QAM	1	0	21.41	21.44	21.35				
10	64QAM	1	25	21.40	21.39	21.24	22	2		
10	64QAM	1	49							



Band 14_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Mid Ch./Freq.	Turn-up time (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.87	22.87	22.87	24	0		
10	QPSK	1	25	22.87	22.87	22.87				
10	QPSK	1	49	22.86	22.86	22.86				
10	QPSK	25	0	22.86	22.86	22.86	23	1		
10	QPSK	25	25	22.86	22.86	22.86				
10	QPSK	50	0	22.85	22.85	22.85				
10	HQAM	1	25	22.43	22.43	22.43	23	1		
10	HQAM	1	49	22.37	22.37	22.37				
10	HQAM	25	0	21.91	21.91	21.91				
10	HQAM	25	25	21.92	21.92	21.92	22	2		
10	HQAM	50	0	21.91	21.91	21.91				
10	HQAM	1	0	21.91	21.91	21.91				
10	HQAM	1	25	21.91	21.91	21.91				
10	HQAM	1	49	21.91	21.91	21.91				
10	HQAM	25	0	20.36	20.36	20.36				
10	HQAM	25	25	20.37	20.37	20.37	21	3		
10	HQAM	50	0	20.32	20.32	20.32				
10	HQAM	1	25	18.20	18.20	18.20	19	5		
10	HQAM	1	49	18.18	18.18	18.18				
10	HQAM	25	0	18.06	18.06	18.06				
10	HQAM	25	25	18.25	18.25	18.25	19	5		
10	HQAM	50	0	18.20	18.20	18.20				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.94	22.94	22.94	24	0		
5	QPSK	1	12	22.90	22.94	22.94				
5	QPSK	1	24	22.86	22.87	22.87				
5	QPSK	12	0	22.89	22.86	22.86	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	22.28	22.21	22.14				
5	QPSK	1	0	22.28	22.28	22.49				
5	HQAM	1	12	22.46	22.45	22.56	23	1		
5	HQAM	1	24	22.43	22.42	22.48				
5	HQAM	12	0	21.17	21.20	21.23				
5	HQAM	12	7	21.21	21.19	21.22	22	2		
5	HQAM	12	13	21.21	21.22	21.21				
5	HQAM	25	0	21.19	21.18	21.17				
5	HQAM	1	0	21.28	21.31	21.28				
5	HQAM	1	12	21.28	21.31	21.28				
5	HQAM	1	24	21.29	21.31	21.29				
5	HQAM	12	0	20.19	20.28	20.26				
5	HQAM	12	7	20.38	20.35	20.37	21	3		
5	HQAM	12	13	20.20	20.22	20.25				
5	HQAM	25	0	20.23	20.19	20.18				
5	HQAM	1	0	17.74	17.66	17.61	19	5		
5	HQAM	1	12	17.67	17.51	17.57				
5	HQAM	1	24	18.01	17.89	17.82				
5	HQAM	12	0	17.66	17.68	17.70				
5	HQAM	12	7	17.56	17.58	17.60	19	5		
5	HQAM	12	13	18.07	17.71	17.86				
5	HQAM	25	0	17.51	17.61	17.69				

Band 17_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Mid Ch./Freq.	Turn-up time (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.83	22.88	22.82	24	0		
10	QPSK	1	25	22.81	22.83	22.87				
10	QPSK	1	49	22.85	22.82	22.84				
10	QPSK	25	0	22.80	22.87	22.17	23	1		
10	QPSK	25	12	22.14	22.28	22.12				
10	QPSK	25	25	22.18	22.16	22.13				
10	QPSK	50	0	22.80	22.85	22.18				
10	HQAM	1	25	22.42	22.44	22.38	23	1		
10	HQAM	1	49	22.36	22.43	22.43				
10	HQAM	25	0	21.97	21.93	21.90				
10	HQAM	25	12	21.30	21.31	21.32	22	2		
10	HQAM	25	25	21.32	21.18	21.15				
10	HQAM	50	0	21.94	21.91	21.92				
10	HQAM	1	0	21.99	21.92	21.92				
10	HQAM	1	25	21.97	21.91	21.92				
10	HQAM	1	49	21.99	21.19	21.98				
10	HQAM	25	0	20.29	20.27	20.24				
10	HQAM	25	12	20.59	20.34	20.34	21	3		
10	HQAM	25	25	20.35	20.32	20.19				
10	HQAM	50	0	20.24	20.23	20.18				
10	HQAM	1	0	18.01	17.72	17.67	19	5		
10	HQAM	1	25	17.82	17.65	17.68				
10	HQAM	1	49	17.61	18.14	18.02				
10	HQAM	25	0	18.02	18.07	17.88				
10	HQAM	25	12	18.07	18.18	18.08	19	5		
10	HQAM	25	25	17.86	17.82	17.89				
10	HQAM	50	0	18.05	17.88	18.10				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.05	23.00	22.97	24	0		
5	QPSK	1	12	22.99	22.90	22.85				
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	22.48	22.25	22.16				
5	QPSK	1	0	22.84	22.49	22.86				
5	HQAM	1	12	22.47	22.25	22.38	23	1		
5	HQAM	1	24	22.42	22.42	22.38				
5	HQAM	12	0	21.41	21.30	21.28				
5	HQAM	12	7	21.34	21.25	21.19	22	2		
5	HQAM	12	13	21.39	21.30	21.29				
5	HQAM	25	0	21.28	21.27	21.19				
5	HQAM	1	0	21.64	21.33	21.40				
5	HQAM	1	12	21.69	21.30	21.39				
5	HQAM	1	24	21.64	21.33	21.21				
5	HQAM	12	0	20.37	20.32	20.30				
5	HQAM	12	7	20.38	20.31	20.30	21	3		
5	HQAM	12	13	20.25	20.21	20.15				
5	HQAM	25	0	20.30	20.25	20.30				
5	HQAM	1	0	17.60	17.60	17.71	19	5		
5	HQAM	1	12	17.61	17.68	17.82				
5	HQAM	1	24	18.10	17.92	17.86				
5	HQAM	12	0	18.10	18.05	18.00				
5	HQAM	12	7	18.01	18.00	17.92	19	5		
5	HQAM	12	13	17.89	18.04	17.89				
5	HQAM	25	0	17.68	17.78	17.80				

Band 25_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Mid Ch./Freq.	Turn-up time (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
30	QPSK	1	0	22.96	22.15	22.93	24	0		
30	QPSK	1	49	22.98	22.15	22.93				
30	QPSK	1	99	22.98	22.80	22.75				
30	QPSK	50	0	22.27	22.33	22.22	23	1		
30	QPSK	50	24	22.28	22.42	22.38				
30	QPSK	50	50	22.18	22.23	22.15				
30	QPSK	100	0	22.20	22.22	22.19				
30	HQAM	1	49	22.38	22.39	22.35	23	1		
30	HQAM	1	99	22.31	22.27	22.47				
30	HQAM	50	0	21.28	21.13	21.18				
30	HQAM	50	24	21.23	21.12	21.24	22	2		
30	HQAM	50	50	21.21	21.15	21.28				
30	HQAM	100	0	21.23	21.18	21.25				
30	HQAM	1	0	21.24	21.22	21.29				
30	HQAM	1	49	21.24	21.23	21.28				
30	HQAM	1	99	21.30	21.11	20.89				
30	HQAM	50	0	20.29	20.16	20.18				
30	HQAM	50	24	20.25	20.14	20.22	21	3		
30	HQAM	50	50	20.18	20.16	20.02				
30	HQAM	100	0	20.28	20.20	20.18				
30	HQAM	1	0	17.71	17.76	17.75	19	5		
30	HQAM	1	49	17.56	17.88	17.80				
30	HQAM	1	99	17.62	18.21	18.21				
30	HQAM	50	0	17.69	17.74	17.69				



Band 30_Ant 7										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.69	22.68	22.81	24	0		
10	QPSK	1	24	22.96	22.94	22.84				
10	QPSK	1	48	22.78	22.85	22.87				
10	QPSK	25	0	22.13	22.25	22.10				
10	QPSK	25	12	22.14	22.23	22.16				
10	QPSK	25	24	22.11	22.09	21.84	23	1		
10	QPSK	50	0	22.05	22.09	22.05				
10	QPSK	50	12	22.04	22.04	22.04				
10	16QAM	1	24	22.78	22.26	22.24	23	1		
10	16QAM	1	48	22.88	22.29	22.18				
10	16QAM	1	72	21.97	21.19	20.97				
10	16QAM	25	12	21.28	21.17	21.18	22	2		
10	16QAM	25	24	21.27	21.16	21.09				
10	16QAM	50	0	21.27	21.16	21.07				
10	84QAM	1	0	21.24	21.17	21.07				
10	84QAM	1	24	21.25	20.92	20.89	22	2		
10	84QAM	1	48	20.96	20.72	20.67				
10	84QAM	25	0	20.13	20.25	20.11				
10	84QAM	25	12	20.14	20.16	20.06				
10	84QAM	25	24	20.15	20.16	20.06				
10	84QAM	50	0	20.15	20.32	20.08	21	3		
10	84QAM	1	0	17.67	17.67	17.67				
10	256QAM	1	24	17.41	17.85	17.47	19	5		
10	256QAM	1	48	17.54	17.42	17.74				
10	256QAM	25	0	17.58	17.58	17.58				
10	256QAM	25	12	17.43	17.90	17.62				
10	256QAM	25	24	17.43	17.84	17.74	19	5		
10	256QAM	50	0	17.41	17.84	17.74				
10	256QAM	50	0	17.45	17.81	17.71				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.64	22.68	22.81	24	0		
5	QPSK	1	12	22.96	22.94	22.84				
5	QPSK	1	24	22.83	22.88	22.81				
5	QPSK	12	0	22.08	22.01	22.13				
5	QPSK	12	7	22.14	22.06	22.13				
5	QPSK	12	13	22.01	22.10	22.09	23	1		
5	QPSK	25	0	22.08	22.04	22.09				
5	16QAM	1	0	22.32	21.94	22.37				
5	16QAM	1	12	22.35	22.30	22.39	23	1		
5	16QAM	12	0	21.86	21.83	21.83				
5	16QAM	12	7	21.23	21.19	21.04	22	2		
5	16QAM	12	13	21.42	21.46	21.39				
5	84QAM	1	0	21.12	21.18	21.09				
5	84QAM	1	0	21.38	21.18	21.11				
5	84QAM	1	12	21.42	21.46	21.39	22	2		
5	84QAM	1	24	21.13	21.17	21.45				
5	84QAM	12	0	20.14	20.25	20.05				
5	84QAM	12	7	20.06	20.29	20.13				
5	84QAM	12	13	20.30	20.23	20.20	21	3		
5	256QAM	1	0	17.66	17.73	17.63				
5	256QAM	1	12	17.60	17.82	17.50	19	5		
5	256QAM	1	24	17.82	17.60	17.67				
5	256QAM	12	0	17.56	17.68	18.06				
5	256QAM	12	7	17.79	17.89	17.81				
5	256QAM	12	13	18.07	17.83	17.70	19	5		
5	256QAM	25	0	18.04	17.83	17.64				

Band 66_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.16	22.94	22.61	24	0		
20	QPSK	1	24	22.81	22.79	22.71				
20	QPSK	1	48	22.85	22.79	22.87				
20	QPSK	50	0	22.35	22.25	22.10				
20	QPSK	50	12	22.34	22.23	22.16				
20	QPSK	50	24	22.13	22.09	21.84	23	1		
20	QPSK	100	0	22.03	22.09	22.05				
20	16QAM	1	24	22.84	22.26	22.24	23	1		
20	16QAM	1	48	22.56	22.28	22.04				
20	16QAM	1	72	22.55	22.09	22.18				
20	16QAM	25	0	21.37	21.19	20.97				
20	16QAM	25	12	21.31	21.17	21.04	22	2		
20	16QAM	25	24	21.19	21.06	21.06				
20	16QAM	50	0	21.29	21.14	20.99				
20	84QAM	1	0	21.37	21.61	21.37				
20	84QAM	1	48	21.60	20.92	20.89	22	2		
20	84QAM	25	0	20.29	20.72	20.67				
20	84QAM	25	12	20.35	20.16	20.06				
20	84QAM	25	24	20.04	20.05	20.05	21	3		
20	84QAM	50	0	20.31	20.32	20.08				
20	84QAM	1	0	17.61	17.61	17.61				
20	256QAM	1	48	17.85	17.47	17.39	19	5		
20	256QAM	1	99	17.74	17.42	17.74				
20	256QAM	25	0	17.82	17.82	17.82				
20	256QAM	25	12	17.90	17.62	17.62				
20	256QAM	25	24	17.84	17.64	17.74	19	5		
20	256QAM	50	0	17.81	17.81	17.71				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.03	22.81	22.67	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	21.95				
15	QPSK	37	0	22.17	22.11	21.97				
15	QPSK	36	36	22.08	22.02	21.98	23	1		
15	QPSK	75	0	22.17	22.09	21.94				
15	16QAM	1	0	22.08	22.38	22.68				
15	16QAM	1	37	22.57	22.27	22.20	23	1		
15	16QAM	1	74	22.64	22.54	22.61				
15	16QAM	36	0	21.26	21.19	20.93				
15	16QAM	36	20	21.18	21.07	20.92	22	2		
15	16QAM	36	37	21.06	21.01	20.91				
15	16QAM	75	0	21.16	21.07	20.93				
15	84QAM	1	0	21.14	21.24	21.05				
15	84QAM	1	37	20.97	21.16	21.04	22	2		
15	84QAM	1	74	21.17	20.90	20.92				
15	84QAM	36	0	19.88	20.15	19.87				
15	84QAM	36	20	19.88	19.83	19.83				
15	84QAM	36	37	19.91	19.73	19.71	21	3		
15	84QAM	36	39	20.11	19.73	19.71				
15	84QAM	75	0	19.95	20.08	19.84				
15	84QAM	75	20	19.88	19.85	19.85				
15	84QAM	75	37	17.51	17.82	17.52	19	5		
15	256QAM	1	74	17.81	17.62	17.81				
15	256QAM	1	111	17.82	17.68	17.68				
15	256QAM	36	20	18.03	17.81	17.53	19	5		
15	256QAM	36	39	17.63	18.05	17.56				
15	256QAM	75	0	17.74	17.47	17.57				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.11	22.81	22.43	24	0		
10	QPSK	1	24	22.09	22.85	22.73				
10	QPSK	1	48	22.98	22.79	22.74				
10	QPSK	25	0	22.33	22.23	22.10				
10	QPSK	25	12	22.33	22.23	22.10				
10	QPSK	25	24	22.26	22.20	22.11	23	1		
10	QPSK	50	0	22.08	22.04	22.09				
10	16QAM	1	0	22.57	22.90	22.30				
10	16QAM	1	25	22.56	22.38	22.34	23	1		
10	16QAM	1	49	22.64	22.54	22.61				
10	16QAM	25	0	21.45	21.25	21.11				
10	16QAM	25	12	21.38	21.25	21.08	22	2		
10	16QAM	25	24	21.28	21.15	21.10				
10	16QAM	50	0	21.33	21.19	21.08				
10	84									



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)				37850	38000	38150		
20	QPSK	1	0	22.50	22.65	22.80	24	0
20	QPSK	1	49	22.59	22.74	22.89	23	1
20	QPSK	1	99	22.76	22.91	23.06	23	1
20	QPSK	50	0	21.92	22.17	22.42	22	2
20	QPSK	50	24	21.86	22.11	22.36	22	2
20	QPSK	50	50	21.82	22.07	22.32	22	2
20	QPSK	100	0	21.94	22.14	22.34	22	2
20	16QAM	1	0	22.06	22.20	22.34	23	1
20	16QAM	1	49	22.09	22.23	22.37	23	1
20	16QAM	1	99	22.18	22.32	22.46	23	1
20	16QAM	50	0	20.96	21.04	21.12	22	2
20	16QAM	50	24	20.91	21.05	21.19	22	2
20	16QAM	50	50	20.86	21.01	21.16	22	2
20	16QAM	100	0	20.97	21.11	21.25	22	2
20	16QAM	100	24	20.97	21.11	21.25	22	2
20	16QAM	100	49	20.97	21.11	21.25	22	2
20	64QAM	1	0	20.81	20.89	20.92	21	3
20	64QAM	50	0	19.85	19.64	19.74	21	3
20	64QAM	50	24	19.81	19.54	19.62	21	3
20	64QAM	50	50	19.85	19.71	19.56	21	3
20	64QAM	100	0	19.81	19.54	19.62	21	3
20	256QAM	1	0	17.43	17.57	17.62	19	5
20	256QAM	1	49	17.49	17.47	17.31	19	5
20	256QAM	1	99	17.50	17.36	17.22	19	5
20	256QAM	50	0	17.31	17.30	17.29	19	5
20	256QAM	50	24	17.37	17.70	17.72	19	5
20	256QAM	50	50	17.76	17.69	17.52	19	5
20	256QAM	100	0	17.77	17.62	17.26	19	5
Channel								
Frequency (MHz)				37715	37965	38215		
15	QPSK	1	0	22.80	22.49	22.49	24	0
15	QPSK	1	31	22.85	22.54	22.41	24	0
15	QPSK	1	74	22.80	22.64	22.48	24	0
15	QPSK	36	0	21.74	21.66	21.64	23	1
15	QPSK	36	21	21.78	21.72	21.78	23	1
15	QPSK	36	39	21.90	21.88	21.88	23	1
15	QPSK	75	0	21.79	21.64	21.66	23	1
15	16QAM	1	0	22.07	21.84	21.78	23	1
15	16QAM	1	31	22.08	21.90	21.82	23	1
15	16QAM	1	74	22.23	21.97	21.82	23	1
15	16QAM	36	0	20.92	20.66	20.65	22	2
15	16QAM	36	21	20.94	20.70	20.65	22	2
15	16QAM	36	39	20.94	20.72	20.68	22	2
15	16QAM	75	0	21.01	20.59	20.80	22	2
15	16QAM	75	21	21.03	20.61	20.83	22	2
15	16QAM	75	39	21.20	20.84	21.04	22	2
15	64QAM	1	0	20.74	20.24	20.44	21	3
15	64QAM	1	31	20.74	20.24	20.44	21	3
15	64QAM	1	74	21.20	20.90	20.56	21	3
15	64QAM	36	0	19.85	19.76	19.72	21	3
15	64QAM	36	21	19.90	19.61	19.71	21	3
15	64QAM	36	39	19.96	19.76	19.75	21	3
15	64QAM	75	0	20.00	19.49	19.73	21	3
15	256QAM	1	0	17.48	17.48	17.48	19	5
15	256QAM	1	37	17.62	17.60	17.77	19	5
15	256QAM	1	74	17.48	17.72	17.47	19	5
15	256QAM	36	0	17.48	17.48	17.48	19	5
15	256QAM	36	21	17.55	17.76	17.54	19	5
15	256QAM	36	39	17.77	17.76	17.47	19	5
15	256QAM	75	0	17.48	17.48	17.48	19	5
Channel								
Frequency (MHz)				37600	38000	38200		
10	QPSK	1	0	22.88	22.65	22.74	24	0
10	QPSK	1	49	22.98	22.76	22.87	24	0
10	QPSK	1	99	22.83	23.10	23.03	24	0
10	QPSK	25	0	21.90	21.99	21.52	23	1
10	QPSK	25	25	22.82	22.18	21.88	23	1
10	QPSK	25	50	21.93	22.11	21.51	23	1
10	QPSK	50	0	21.94	22.11	21.92	23	1
10	16QAM	1	0	22.10	22.16	21.98	23	1
10	16QAM	1	25	22.07	22.31	21.98	23	1
10	16QAM	1	49	22.02	22.11	21.87	23	1
10	16QAM	25	0	20.93	21.08	20.83	22	2
10	16QAM	25	12	21.08	21.04	20.83	22	2
10	16QAM	25	25	20.99	20.96	20.84	22	2
10	16QAM	50	0	20.98	21.13	20.70	22	2
10	16QAM	50	25	20.99	20.89	20.55	22	2
10	64QAM	1	0	20.81	20.76	20.77	21	3
10	64QAM	1	49	20.55	20.81	20.59	21	3
10	64QAM	25	0	20.00	20.18	20.00	20	3
10	64QAM	25	12	20.05	20.28	20.04	20	3
10	64QAM	25	25	20.07	20.20	20.02	20	3
10	64QAM	50	0	19.92	20.15	20.01	20	3
10	256QAM	1	0	17.76	17.78	17.67	19	5
10	256QAM	1	25	17.70	17.47	17.79	19	5
10	256QAM	1	49	17.61	17.72	17.79	19	5
10	256QAM	25	0	17.80	17.56	17.58	19	5
10	256QAM	25	12	17.79	17.77	17.40	19	5
10	256QAM	25	25	17.70	17.49	17.65	19	5
10	256QAM	50	0	17.67	17.74	17.58	19	5
Channel								
Frequency (MHz)				2461.5	2545.8	2630.1		
5	QPSK	1	0	22.67	22.72	22.88	24	0
5	QPSK	1	24	22.94	23.02	22.80	24	0
5	QPSK	1	24	22.84	22.87	22.83	24	0
5	QPSK	12	0	21.67	22.13	21.55	23	1
5	QPSK	12	13	21.82	22.14	21.98	23	1
5	QPSK	25	0	21.88	21.91	21.84	23	1
5	16QAM	1	0	21.72	22.01	21.63	23	1
5	16QAM	1	12	21.58	21.82	21.53	23	1
5	16QAM	1	24	21.66	22.39	21.68	23	1
5	16QAM	12	0	20.57	20.82	20.54	22	2
5	16QAM	12	7	20.92	21.04	20.86	22	2
5	16QAM	12	13	20.90	21.12	20.85	22	2
5	16QAM	25	0	20.94	21.07	20.81	22	2
5	64QAM	1	0	20.75	20.83	20.74	21	3
5	64QAM	1	12	20.82	20.71	20.83	21	3
5	64QAM	1	24	20.86	20.79	20.49	21	3
5	64QAM	12	0	19.95	19.91	19.82	21	3
5	64QAM	12	7	19.90	20.32	19.86	21	3
5	64QAM	12	13	19.71	20.10	19.86	21	3
5	64QAM	25	0	19.83	20.04	19.87	21	3
5	256QAM	1	0	17.74	17.67	17.70	19	5
5	256QAM	1	12	17.77	17.80	17.67	19	5
5	256QAM	1	24	17.47	17.70	17.77	19	5
5	256QAM	12	0	17.98	17.72	17.85	19	5
5	256QAM	12	7	17.80	17.78	17.52	19	5
5	256QAM	12	13	17.63	17.88	17.83	19	5
5	256QAM	25	0	17.67	17.68	17.50	19	5

Band 41_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)				39750	40185	40620		
20	QPSK	1	0	22.52	22.84	22.40	24	0
20	QPSK	1	49	22.80	22.72	22.84	24	0
20	QPSK	1	99	22.81	23.14	22.70	24	0
20	QPSK	50	0	22.12	22.17	21.94	23	1
20	QPSK	50	24	21.85	21.74	21.81	23	1
20	QPSK	50	50	21.83	21.85	21.74	23	1
20	QPSK	100	0	21.57	21.66	21.58	23	1
20	16QAM	1	0	21.89	21.97	21.84	23	1
20	16QAM	1	49	21.80	21.95	21.74	23	1
20	16QAM	1	99	22.01	21.74	21.81	23	1
20	16QAM	50	0	20.93	21.09	20.57	22	2
20	16QAM	50	24	20.80	21.03	20.55	22	2
20	16QAM	50	50	20.86	20.98	20.80	22	2
20	16QAM	100	0	20.61	20.79	20.55	22	2
20	16QAM	100	24	20.31	20.70	20.19	22	2
20	16QAM	100	49	20.37	20.65	20.44	22	2
20	64QAM	1	0	20.45	20.71	20.48	21	3
20	64QAM	50	0	19.73	20.01	19.49	21	3
20	64QAM	50	24	19.81				



Reduced Power Mode for WWAN
DSi2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Ch./Freq.), Power (H2/Freq.), Power (H3/Freq.), Time-up (sec), MPR (dB). Includes sub-headers for Band 2_Ant 2 and Channel 18850-18900.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Ch./Freq.), Power (H2/Freq.), Power (H3/Freq.), Time-up (sec), MPR (dB). Includes sub-headers for Band 4_Ant 2 and Channel 17175-17225.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Ch./Freq.), Power (H2/Freq.), Power (H3/Freq.), Time-up (sec), MPR (dB). Includes sub-headers for Band 5_Ant 2 and Channel 8247-8365.



Table for Band 25_Ant 2 with columns for BW (MHz), Modulation, RB Size, RB Offset, Power, and T-Useup (dBm) for various channels like QPSK, OFDM, and 16QAM.

Table for Band 26(FCC)_Ant 2 with columns for BW (MHz), Modulation, RB Size, RB Offset, Power, and T-Useup (dBm) for various channels like QPSK, OFDM, and 16QAM.

Table for Band 30_Ant 8 with columns for BW (MHz), Modulation, RB Size, RB Offset, Power, and T-Useup (dBm) for various channels like QPSK, OFDM, and 16QAM.

Table for Band 66_Ant 2 with columns for BW (MHz), Modulation, RB Size, RB Offset, Power, and T-Useup (dBm) for various channels like QPSK, OFDM, and 16QAM.



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		
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		
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		
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		



DS12 Sim-Tx

Table for Band 2_Ant 2. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Mid, Power Ch, Freqs, Turn-up, MPR, and MPR (dB). It lists various channel configurations and their parameters.

Table for Band 4_Ant 2. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Mid, Power Ch, Freqs, Turn-up, MPR, and MPR (dB). It lists various channel configurations and their parameters.

Table for Band 5_Ant 2. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Mid, Power Ch, Freqs, Turn-up, MPR, and MPR (dB). It lists various channel configurations and their parameters.



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)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	2207	2210	2213				
10	QPSK	1	28	1540			18.5	0		
10	QPSK	1	49	1930						
10	QPSK	25	0	1522						
10	QPSK	25	12	1522			18.5	0		
10	QPSK	25	25	1522						
10	QPSK	50	0	1522						
10	16QAM	1	0	1530						
10	16QAM	1	28	1531			18.5	0		
10	16QAM	1	49	1529						
10	16QAM	25	0	1519						
10	16QAM	25	12	1529			18.5	0		
10	16QAM	25	25	1521						
10	16QAM	50	0	1521						
10	16QAM	50	12	1529			18.5	0		
10	16QAM	50	25	1521						
10	84QAM	1	0	1530			18.5	0		
10	84QAM	1	28	1532						
10	84QAM	1	49	1529						
10	84QAM	25	0	1527			18.5	0		
10	84QAM	25	12	1527						
10	84QAM	25	25	1525						
10	84QAM	50	0	1531						
10	84QAM	50	12	1529			18.5	0		
10	84QAM	50	25	1521						
10	256QAM	1	0	1531						
10	256QAM	1	28	1532			18.5	0		
10	256QAM	1	49	1528						
10	256QAM	25	0	1528						
10	256QAM	25	12	1519			18.5	0		
10	256QAM	25	25	1528						
10	256QAM	50	0	1518						
10	256QAM	50	12	1528			18.5	0		
10	256QAM	50	25	1518						
Channel										
Frequency (MHz)										
5	QPSK	1	0	1530	1533	1535				
5	QPSK	1	12	1525	1520	1520	18.5	0		
5	QPSK	1	24	1521	1523	1525				
5	QPSK	12	0	1532	1532	1532				
5	QPSK	12	7	1512	1512	1514	18.5	0		
5	QPSK	12	14	1510	1521	1519				
5	QPSK	25	0	1530	1532	1528				
5	16QAM	1	0	1524	1524	1520	18.5	0		
5	16QAM	1	12	1520	1524	1528				
5	16QAM	1	24	1517	1518	1519				
5	16QAM	12	0	1511	1511	1510	18.5	0		
5	16QAM	12	7	1510	1521	1519				
5	16QAM	12	13	1523	1524	1521	18.5	0		
5	16QAM	25	0	1511	1510	1514				
5	84QAM	1	0	1524	1524	1520	18.5	0		
5	84QAM	1	12	1521	1522	1522				
5	84QAM	1	24	1527	1522	1528				
5	84QAM	12	0	1527	1528	1528	18.5	0		
5	84QAM	12	7	1522	1521	1521				
5	84QAM	12	13	1528	1529	1528	18.5	0		
5	84QAM	25	0	1513	1518	1513				
5	256QAM	1	0	1524	1524	1524	18.5	0		
5	256QAM	1	12	1522	1522	1528				
5	256QAM	1	24	1519	1518	1519				
5	256QAM	12	0	1509	1513	1514				
5	256QAM	12	7	1502	1501	1502	18.5	0		
5	256QAM	12	13	1510	1515	1514				
5	256QAM	25	0	1507	1508	1507				

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)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	1702	1716	1720				
20	QPSK	1	49	1985	1975	2004	21	0		
20	QPSK	1	99	1982	1974	1997				
20	QPSK	50	0	2013	1995	2004				
20	QPSK	50	24	1996	1981	2000	21	0		
20	QPSK	50	50	1987	1979	2002				
20	QPSK	100	0	2010	1991	1999				
20	16QAM	1	0	1990	1985	1990				
20	16QAM	1	49	1983	1986	1986	21	0		
20	16QAM	1	99	1988	1988	1988				
20	16QAM	50	0	1960	1977	1986				
20	16QAM	50	24	1964	1964	1986	21	0		
20	16QAM	50	50	1964	1977	1983				
20	16QAM	100	0	1972	1979	1986				
20	16QAM	100	24	1962	1967	1983	21	0		
20	16QAM	100	50	1962	1967	1983				
20	84QAM	1	0	1987	1985	1982	21	0		
20	84QAM	1	59	1980	1980	1971				
20	84QAM	1	118	1975	1985	1983				
20	84QAM	50	24	1967	1993	1982	21	0		
20	84QAM	50	50	1972	1972	1989				
20	84QAM	100	0	1992	1997	1983				
20	84QAM	100	24	1981	1982	1982	19	2		
20	84QAM	100	50	1983	1983	1823				
20	256QAM	1	0	1831	1822	1823	19	2		
20	256QAM	1	49	1828	1823	1823				
20	256QAM	1	99	1828	1822	1823				
20	256QAM	50	0	1833	1818	1825				
20	256QAM	50	24	1832	1819	1826	19	2		
20	256QAM	50	50	1832	1822	1826				
20	256QAM	100	0	1830	1813	1828				
Channel										
Frequency (MHz)										
15	QPSK	1	0	2008	2005	1988				
15	QPSK	1	37	1985	1959	1988	21	0		
15	QPSK	1	74	1985	1975	1988				
15	QPSK	36	0	1989	1980	2001				
15	QPSK	36	20	1973	1975	2001	21	0		
15	QPSK	36	36	1984	1987	2001				
15	QPSK	75	0	1932	1930	1932				
15	16QAM	1	0	1982	1973	1971				
15	16QAM	1	25	1984	1982	1975	21	0		
15	16QAM	1	50	1984	1982	1975				
15	16QAM	1	74	1983	1991	1974				
15	16QAM	36	0	1988	1970	1985				
15	16QAM	36	25	1982	1975	1985	21	0		
15	16QAM	36	50	1984	1986	1983				
15	16QAM	75	0	1948	1964	1980				
15	84QAM	1	0	1985	1976	1985	21	0		
15	84QAM	1	37	1981	1985	1983				
15	84QAM	1	74	1982	1973	1988				
15	84QAM	36	0	1984	1978	1985				
15	84QAM	36	20	1949	1983	1982	21	0		
15	84QAM	36	39	1988	1972	1973				
15	84QAM	75	0	1929	1987	1985				
15	256QAM	1	0	1816	1827	1807				
15	256QAM	1	37	1833	1801	1809	19	2		
15	256QAM	1	74	1833	1801	1809				
15	256QAM	36	0	1835	1814	1814	19	2		
15	256QAM	36	20	1810	1808	1806				
15	256QAM	36	36	1824	1808	1806	19	2		
15	256QAM	75	0	1824	1817	1808				
Channel										
Frequency (MHz)										
10	QPSK	1	0	1935	1937	2000				
10	QPSK	1	25	1989	1960	2000	21	0		
10	QPSK	1	49	1983	1983	1988				
10	QPSK	25	0	1931	1933	1988				
10	QPSK	25	12	1979	1974	1981	21	0		
10	QPSK	25	25	1988	1986	2000				
10	QPSK	50	0	2003	1981	1988				
10	16QAM	1	0	1985	1981	1988				
10	16QAM	1	25	1984	1988	1982	21	0		
10	16QAM	1	49	1984	1988	1982				



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	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		
20	QPSK	50	50	18.16	18.55	18.28	18.15	18.43	19.4	0
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	19.4	0
20	16QAM	50	50	18.22	18.52	18.26	18.22	18.49		
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	19.4	0
20	64QAM	1	99	18.27	18.54	18.26	18.24	18.47		
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	19.4	0
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		
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	19	0.4
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		
20	256QAM	50	24	17.44	17.52	17.39	17.48	17.46	19	0.4
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		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.15	18.43	18.21	18.12	18.41	19.4	0
15	QPSK	1	37	18.16	18.45	18.18	18.13	18.39		
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	19.4	0
15	QPSK	36	39	18.09	18.49	18.19	18.06	18.33		
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	19.4	0
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		
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	19.4	0
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		
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	19.4	0
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		
15	64QAM	36	20	18.16	18.42	18.14	18.15	18.37	19.4	0
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		
15	256QAM	1	37	17.42	17.48	17.37	17.37	17.36	19	0.4
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		
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	19.4	0
10	QPSK	25	12	18.09	18.46	18.18	18.05	18.35		
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	19.4	0
10	16QAM	1	25	18.24	18.48	18.24	18.15	18.41		
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	19.4	0
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		
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	19.4	0
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		
10	64QAM	25	0	18.16	18.51	18.21	18.17	18.42	19.4	0
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	19.4	0
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	19	0.4
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		
10	256QAM	25	12	17.38	17.45	17.31	17.38	17.41	19	0.4
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	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.12	18.41	18.25	18.14	18.37	19.4	0
5	QPSK	1	12	18.12	18.48	18.22	18.16	18.41		
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	19.4	0
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		
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	19.4	0
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		
5	16QAM	12	0	18.13	18.46	18.18	18.09	18.40	19.4	0
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		
5	64QAM	1	0	18.16	18.39	18.15	18.12	18.40	19.4	0
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	19.4	0
5	256QAM	1	0	17.47	17.54	17.38	17.43	17.42		
5	256QAM	1	12	17.40	17.45	17.40	17.34	17.41	19	0.4
5	256QAM	1	24							



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		
20	64QAM	1	99	20.16	20.27	20.13	20.23	21	0.5
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		
20	256QAM	100	0	20.12	20.10	19.84	19.95	19	2.5
20	256QAM	1	0	18.00	18.01	17.95	17.73		
20	256QAM	1	49	17.89	17.84	17.88	17.71		
20	256QAM	1	99	17.63	17.90	17.72	17.81		
20	256QAM	50	0	18.06	18.15	17.97	18.19	19	2.5
20	256QAM	50	24	17.94	18.19	18.16	18.00		
20	256QAM	50	50	18.06	18.12	17.85	17.88		
20	256QAM	100	0	18.07	18.11	17.90	18.12		
Channel				55315	55820	56160	56665		
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	256QAM	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		
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	256QAM	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		
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	256QAM	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		



Band 30_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Mode	Tune-up Int (sec)	MFR (dB)	
Channel									
2310									
10	QPSK	1	0	17.78			19	0	
10	QPSK	1	25	17.82					
10	QPSK	1	49	17.86					
10	QPSK	25	0	17.82			19	0	
10	QPSK	25	12	17.82					
10	QPSK	25	25	17.78					
10	QPSK	50	0	17.81					
10	16QAM	1	0	17.84			19	0	
10	16QAM	1	25	17.82					
10	16QAM	1	49	17.81					
10	16QAM	25	0	17.86			19	0	
10	16QAM	25	12	17.84					
10	16QAM	25	25	17.82					
10	16QAM	50	0	17.81			19	0	
10	16QAM	1	0	17.78					
10	16QAM	1	49	17.77					
10	16QAM	25	0	17.78			19	0	
10	16QAM	25	12	17.78					
10	16QAM	25	25	17.82					
10	16QAM	50	0	17.80			19	0	
10	16QAM	1	0	17.78					
10	256QAM	1	25	17.80			19	0	
10	256QAM	1	49	17.79					
10	256QAM	25	0	17.75			19	0	
10	256QAM	25	12	17.77					
10	256QAM	25	25	17.89					
10	256QAM	50	0	17.87			19	0	
Channel									
2165, 2170, 2175									
5	QPSK	1	0	17.75	17.77	17.80	19	0	
5	QPSK	1	12	17.88	17.75	17.72			
5	QPSK	1	24	17.72	17.73	17.73			
5	QPSK	12	0	17.78	17.74	17.78	19	0	
5	QPSK	12	7	17.74	17.72	17.77			
5	QPSK	12	13	17.74	17.72	17.74			
5	QPSK	25	0	17.78	17.78	17.78	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	17.78	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	17.74	17.76	17.75			
5	16QAM	25	0	17.73	17.74	17.73	19	0	
5	16QAM	1	0	17.71	17.73	17.73	19	0	
5	16QAM	1	12	17.68	17.68	17.73			
5	16QAM	1	24	17.67	17.67	17.69			
5	16QAM	12	0	17.69	17.74	17.74	19	0	
5	16QAM	12	7	17.68	17.68	17.67			
5	16QAM	12	13	17.69	17.73	17.70			
5	16QAM	25	0	17.75	17.70	17.74	19	0	
5	256QAM	1	0	17.71	17.68	17.70	19	0	
5	256QAM	1	12	17.73	17.73	17.70			
5	256QAM	1	24	17.61	17.61	17.61			
5	256QAM	12	0	17.65	17.69	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	17.69			

Band 66_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Mode	Tune-up Int (sec)	MFR (dB)	
Channel									
1120, 1145, 1170									
20	QPSK	1	0	22.10	21.91	21.85	23	0	
20	QPSK	1	49	21.92	21.73	21.66			
20	QPSK	1	99	21.88	21.63	21.59			
20	QPSK	50	0	22.02	21.84	21.72	23	0	
20	QPSK	50	24	21.97	21.82	21.68			
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	21.94	21.87	21.80	22	1	
20	16QAM	50	24	21.92	21.96	21.89			
20	16QAM	50	50	21.87	21.85	21.82			
20	16QAM	100	0	21.79	21.10	20.86	22	1	
20	16QAM	1	0	20.86	21.36	21.52			
20	16QAM	50	24	19.87	20.52	19.98			
20	16QAM	1	99	21.13	21.00	20.91			
20	16QAM	50	0	19.92	20.13	19.93	21	2	
20	16QAM	50	50	20.03	19.91	19.93			
20	256QAM	1	0	18.89	18.94	18.92	19	4	
20	256QAM	1	49	18.87	18.41	18.48			
20	256QAM	1	99	18.84	18.28	18.38			
20	256QAM	50	0	18.85	18.30	18.32			
20	256QAM	50	24	18.83	18.32	18.35	19	4	
20	256QAM	50	50	18.42	18.35	18.33			
20	256QAM	100	0	18.85	18.42	18.21			
Channel									
13047, 13022, 13057									
Frequency (MHz)									
1717.5, 1745, 1772.5									
15	QPSK	1	0	22.14	22.09	22.14	23	0	
15	QPSK	1	37	21.80	21.82	21.83			
15	QPSK	1	74	21.87	21.85	21.89			
15	QPSK	36	0	21.82	21.82	21.86	23	0	
15	QPSK	36	20	21.82	21.88	21.92			
15	QPSK	36	39	21.77	21.73	21.79			
15	QPSK	36	58	21.87	21.85	21.88			
15	16QAM	1	0	21.77	21.77	21.82	23	0	
15	16QAM	1	37	21.84	21.87	21.88			
15	16QAM	1	74	21.80	21.81	21.88			
15	16QAM	36	0	21.21	21.17	21.18	22	1	
15	16QAM	36	20	21.11	21.10	21.10			
15	16QAM	36	39	20.98	21.00	20.93			
15	16QAM	75	0	21.10	21.12	21.05			
15	16QAM	1	0	20.93	20.81	20.84	22	1	
15	16QAM	1	37	20.79	20.74	20.88			
15	16QAM	1	74	21.06	21.01	21.07			
15	16QAM	36	0	19.26	19.18	19.29	21	2	
15	16QAM	36	20	19.45	19.43	19.43			
15	16QAM	36	39	20.02	20.02	19.95			
15	16QAM	75	0	19.67	19.96	19.61	19	4	
15	256QAM	1	0	18.48	18.51	18.47	19	4	
15	256QAM	1	37	18.62	18.65	18.61			
15	256QAM	1	74	18.34	18.45	18.37			
15	256QAM	36	0	18.07	18.46	18.32	19	4	
15	256QAM	36	20	18.49	18.36	18.49			
15	256QAM	36	39	18.33	18.38	18.33	19	4	
15	256QAM	75	0	18.24	18.40	18.43			
Channel									
13092, 13022, 13057									
Frequency (MHz)									
1715, 1745, 1775									
10	QPSK	1	0	22.08	22.10	22.14	23	0	
10	QPSK	1	25	21.87	21.85	21.77			
10	QPSK	1	49	21.87	21.83	21.80			
10	QPSK	25	0	21.93	21.88	21.88	23	0	
10	QPSK	25	12	21.84	21.96	21.84			
10	QPSK	25	25	21.82	21.78	21.73			
10	QPSK	50	0	21.82	21.82	21.88	23	0	
10	16QAM	1	0	21.82	21.81	21.74			
10	16QAM	1	25	21.83	21.81	21.85	23	0	
10	16QAM	1	49	21.68	21.68	21.63			
10	16QAM	25	0	21.42	21.16	21.12	22	1	
10	16QAM	25	12	21.08	21.18	21.20			
10	16QAM	25	25	20.97	21.00	20.91			
10	16QAM	50	0	21.15	21.15	21.08	22	1	
10	16QAM	1	0	20.85	20.82	20.82			
10	16QAM	1	25	20.82	20.84	20.79	22	1	
10	16QAM	1	49	21.12	20.99	20.99			
10	16QAM	25	0	19.27	19.20	19.28	21	2	
10	16QAM	25	12	19.24	19.45	19.28			
10	16QAM	25	25	19.90	20.02	19.90			
10	16QAM	50	0	19.61	19.63	19.61	19	4	
10	256QAM	1	0	18.48	18.54	18.54	19	4	
10	256QAM	1	25	18.54	18.59	18.52			
10	256QAM	1	49	18.40	18.45	18.44			
10	256QAM	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		
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	19.9	0
20	QPSK	50	24	18.54	18.84	18.64	18.51	18.78		
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	19.9	0
20	16QAM	1	0	18.53	18.82	18.59	18.48	18.75	19.9	0
20	16QAM	1	49	18.52	18.84	18.62	18.54	18.75		
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	19.9	0
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		
20	16QAM	100	0	18.56	18.85	18.63	18.55	18.75	19.9	0
20	64QAM	1	0	18.56	18.83	18.63	18.51	18.75	19.9	0
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		
20	64QAM	50	0	18.49	18.82	18.59	18.51	18.72	19.9	0
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	19.9	0
20	256QAM	1	0	17.55	17.74	17.67	17.52	17.70	19	0.9
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	19	0.9
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.57	18.65	18.61	18.62	18.66	19.9	0
15	QPSK	1	37	18.57	18.59	18.53	18.48	18.58		
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	19.9	0
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		
15	QPSK	75	0	18.55	18.45	18.57	18.58	18.46	19.9	0
15	16QAM	1	0	18.50	18.47	18.39	18.47	18.42	19.9	0
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		
15	16QAM	36	0	18.41	18.40	18.40	18.47	18.47	19.9	0
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	19.9	0
15	64QAM	1	37	18.35	18.48	18.46	18.46	18.40		
15	64QAM	1	74	18.40	18.52	18.43	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	19.9	0
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	19	0.9
15	256QAM	36	20	17.25	17.37	17.29	17.33	17.37		
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	19	0.9
Channel				39700	40166	40620	41080	41541		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.60	18.61	18.58	18.66	18.58	19.9	0
10	QPSK	1	25	18.60	18.57	18.56	18.58	18.50		
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	19.9	0
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		
10	QPSK	50	0	18.50	18.56	18.54	18.54	18.48	19.9	0
10	16QAM	1	0	18.49	18.43	18.47	18.41	18.42	19.9	0
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		
10	16QAM	25	0	18.51	18.39	18.43	18.48	18.39	19.9	0
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	19.9	0
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	19.9	0
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	19	0.9
10	256QAM	25	12	17.29	17.25	17.20	17.30	17.22		
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	19	0.9
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.62	18.56	18.64	18.66	18.59	19.9	0
5	QPSK	1	12	18.57	18.57	18.48	18.54	18.57		
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	19.9	0
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		
5	QPSK	25	0	18.56	18.47	18.56	18.45	18.50	19.9	0
5	16QAM	1	0	18.47	18.40	18.50	18.52	18.43	19.9	0
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		
5	16QAM	12	0	18.42	18.51	18.44	18.40	18.38	19.9	0
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	19.9	0
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	19.9	0
5	256QAM	1	0	17.51	17.45	17.52	17.41	17.44	19	0.9
5	256QAM	1	12	17.40						



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	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				56315	56820	56160	56665		
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				56290	56815	56165	56690		
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		
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)
	128	189	251		128	189	251	
TX Channel	128	189	251	Limit	128	189	251	Limit
Frequency (MHz)	536.2	536.4	536.8	(dBm)	536.2	536.4	536.8	(dBm)
GSM 1 Tx slot	32.89	32.76	32.59	33.50	23.80	23.76	23.59	24.50
GPRS 1 Tx slots	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)
	512	661	810		512	661	810	
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	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	23.82	24.00	17.49	17.34	17.82	18.00
EDGE 3 Tx slots	21.32	21.01	21.23	22.00	17.08	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 II_Ant 1			Tune-up Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)	WCDMA V_Ant 1			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
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	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	17.35	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 38_Ant 7

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains data for channels 37950-38150 across various modulation schemes (QPSK, 16QAM, 64QAM, 256QAM) and RB sizes (1, 5, 10, 20, 40, 80, 160).

Band 41_Ant 7

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains data for channels 39750-41450 across various modulation schemes (QPSK, 16QAM, 64QAM, 256QAM) and RB sizes (1, 5, 10, 20, 40, 80, 160).

Band 41 HPUE_Ant 7

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains data for channels 39750-41450 across various modulation schemes (QPSK, 16QAM, 64QAM, 256QAM) and RB sizes (1, 5, 10, 20, 40, 80, 160).



DS13 Sim-Tx

Table for Band 2_Ant 2 showing Frequency (MHz), Modulation, RB Size, RB Offset, Power (Ch. / Freq.), and other parameters for various channels.

Table for Band 4_Ant 2 showing Frequency (MHz), Modulation, RB Size, RB Offset, Power (Ch. / Freq.), and other parameters for various channels.

Table for Band 5_Ant 2 showing Frequency (MHz), Modulation, RB Size, RB Offset, Power (Ch. / Freq.), and other parameters for various channels.



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	15.84	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	15.87	15.74	15.59	15.72	16.5	0
20	QPSK	50	50	15.85	15.72	15.56	15.72		
20	QPSK	100	0	15.88	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		
20	64QAM	1	99	15.03	15.16	15.14	15.05	16.5	0
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		
20	64QAM	100	0	15.57	15.63	15.51	15.54	16.5	0
20	256QAM	1	0	15.44	15.51	15.49	15.45		
20	256QAM	1	49	15.35	15.37	15.33	15.24		
20	256QAM	1	99	15.24	15.34	15.31	15.22		
20	256QAM	50	0	15.53	15.65	15.57	15.60	16.5	0
20	256QAM	50	24	15.58	15.69	15.58	15.67		
20	256QAM	50	50	15.54	15.65	15.57	15.57		
20	256QAM	100	0	15.59	15.66	15.60	15.54		
Channel				55315	55820	56160	56665		
Frequency (MHz)				3557.5	3608	3642	3692.5	Tune-up limit (dBm)	MPR (dB)
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		
15	64QAM	1	74	15.13	15.05	15.02	15.12	16.5	0
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		
15	64QAM	75	0	15.54	15.57	15.60	15.55	16.5	0
15	256QAM	1	0	15.50	15.37	15.41	15.39		
15	256QAM	1	37	15.29	15.29	15.26	15.22		
15	256QAM	1	74	15.21	15.26	15.24	15.14		
15	256QAM	36	0	15.49	15.58	15.45	15.48	16.5	0
15	256QAM	36	20	15.61	15.52	15.59	15.57		
15	256QAM	36	39	15.53	15.56	15.62	15.61		
15	256QAM	75	0	15.58	15.50	15.62	15.56		
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695	Tune-up limit (dBm)	MPR (dB)
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		
Frequency (MHz)				3552.5	3607	3643	3697.5	Tune-up limit (dBm)	MPR (dB)
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		
5	256QAM	12	0	15.56	15.64	15.50	15.50	16.5	0
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		



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	Limit	128	189	251	Limit
Frequency (MHz)	854.2	836.4	848.8	(dBm)	854.2	836.4	848.8	(dBm)
GSM 1 Tx slot	32.89	32.78	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)
	512	661	810		512	661	810	
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 Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)	WCDMA V_Ant 1			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
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	RVC 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	14.69	14.67	14.71	15.30	15.42	15.28	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	15.68	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	12.60	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



DSI6

Band 2_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (mW), Power Ch./Freq, Power High Ch./Freq, T-une-up (min), MPR (dB). Includes sub-headers for Frequency (MHz) and Channel. Rows include various QPSK, QPSK 16, QPSK 64, QPSK 256, and QPSK 1024 configurations across different bandwidths and power levels.

Band 4_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (mW), Power Ch./Freq, Power High Ch./Freq, T-une-up (min), MPR (dB). Includes sub-headers for Frequency (MHz) and Channel. Rows include various QPSK, QPSK 16, QPSK 64, QPSK 256, and QPSK 1024 configurations across different bandwidths and power levels.

Band 25_Ant 2

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (mW), Power Ch./Freq, Power High Ch./Freq, T-une-up (min), MPR (dB). Includes sub-headers for Frequency (MHz) and Channel. Rows include various QPSK, QPSK 16, QPSK 64, QPSK 256, and QPSK 1024 configurations across different bandwidths and power levels.

DSI6 & DSI6 Sim-Tx

GSM1900_Ant 1 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	30.00	1850.2	1880	1909.8	21.00
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	18.29	19.50

Band TX Channel	WCDMA II_Ant 1			Tune-up Limit (dBm)	WCDMA IV_Ant 1			Tune-up Limit (dBm)
	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	21.83	21.44	21.89	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	18.89	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 25_Ant 1											
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MPR (dB)			
Channel			Frequency (MHz)			Turn-up (dB)	MPR (dB)				
20	QPSK	1	0	19.81	19.92	19.95					
20	QPSK	1	49	19.81	19.92	19.95	21	0			
20	QPSK	1	99	19.89	19.96	19.94					
20	QPSK	50	0	19.88	19.97	19.93					
20	QPSK	50	24	19.87	19.92	19.91	21	0			
20	QPSK	50	50	19.82	19.79	19.69					
20	QPSK	100	0	19.69	19.85	19.73					
20	16QAM	1	0	19.73	19.70	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	19.72	19.70	19.76					
20	16QAM	50	24	19.65	19.70	19.68	21	0			
20	16QAM	50	50	19.78	19.70	19.75					
20	16QAM	100	0	19.72	19.70	19.71					
20	64QAM	1	0	19.70	19.75	19.72					
20	64QAM	1	49	19.72	19.74	19.74	21	0			
20	64QAM	1	99	19.80	19.85	19.81					
20	64QAM	50	0	19.71	19.75	19.75					
20	64QAM	50	24	19.71	19.80	19.77	21	0			
20	64QAM	50	50	19.65	19.75	19.64					
20	256QAM	100	0	19.58	19.75	19.73					
20	256QAM	1	49	18.48	18.51	18.40	19	2			
20	256QAM	1	99	18.48	18.48	18.44					
20	256QAM	50	0	18.55	18.47	18.45					
20	256QAM	50	24	18.36	18.42	18.31	19	2			
20	256QAM	50	50	18.36	18.38	18.35					
20	256QAM	100	0	18.43	18.43	18.39					

Band 66_Ant 1											
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MPR (dB)			
Channel			Frequency (MHz)			Turn-up (dB)	MPR (dB)				
20	QPSK	1	0	21.52	21.49	21.45					
20	QPSK	1	49	21.45	21.39	21.39	22.5	0			
20	QPSK	1	99	21.42	21.38	21.29					
20	QPSK	50	0	21.50	21.46	21.43					
20	QPSK	50	24	21.44	21.37	21.36	22.5	0			
20	QPSK	50	50	21.40	21.37	21.30					
20	QPSK	100	0	21.48	21.47	21.44					
20	16QAM	1	0	21.48	21.37	21.42					
20	16QAM	1	49	21.40	21.37	21.38	22.5	0			
20	16QAM	1	99	21.51	21.50	21.50					
20	16QAM	50	0	21.14	21.10	21.09					
20	16QAM	50	24	21.11	21.04	21.03	22	0.5			
20	16QAM	50	50	21.16	21.07	21.07					
20	16QAM	100	0	21.17	21.07	21.07					
20	64QAM	1	0	20.70	20.59	20.69					
20	64QAM	1	49	20.66	20.53	20.65	22	0.5			
20	64QAM	1	99	20.72	20.70	20.64					
20	64QAM	50	0	19.23	19.22	19.19					
20	64QAM	50	24	19.30	19.17	19.19	21	1.5			
20	64QAM	50	50	19.35	19.27	19.24					
20	64QAM	100	0	19.50	19.40	19.37					
20	256QAM	1	49	18.43	18.40	18.37	19	3.5			
20	256QAM	1	99	18.46	18.42	18.38					
20	256QAM	50	0	18.39	18.39	18.36					
20	256QAM	50	24	18.38	18.34	18.31	19	3.5			
20	256QAM	50	50	18.34	18.30	18.29					
20	256QAM	100	0	18.37	18.30	18.29					



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_6B_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	21.88	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					
39790	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
39790	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
39790	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
39790	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
39790	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
39790	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	22.92	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
39790	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					
55340	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
55340	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
55340	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
55340	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
55340	55538	QPSK	1	99	1	0	2	0	DSI 3 (Sim)	15.66	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
55340	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
55340	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)	16.62	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	39988	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	39988	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	39988	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



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			
Frequency (MHz)				1860	1860	1900			
20	PI2 BPSK	1	1	23.23	23.25	22.96			
20	PI2 BPSK	1	53	23.22	23.20	22.95	24.0	0.0	
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	22.94	24.0	0.0	
20	PI2 BPSK	50	56	22.48	22.69	22.28			
20	PI2 BPSK	100	0	22.87	22.73	22.44	23.5	0.5	
20	QPSK	1	1	22.97	23.15	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			
20	QPSK	50	0	21.86	22.08	21.88	23.0	1.0	
20	QPSK	50	28	22.72	22.93	22.69	24.0	0.0	
20	QPSK	50	56	21.71	21.88	21.71	23.0	1.0	
20	QPSK	100	0	21.58	21.93	21.71			
20	16QAM	1	1	21.86	22.04	21.80	23.0	1.0	
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)				1857.5	1860	1892.5			
15	PI2 BPSK	1	1	23.08	23.10	22.87	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1860	1905			
10	PI2 BPSK	1	1	23.10	23.12	22.86	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1860	1907.5			
5	PI2 BPSK	1	1	23.10	23.18	22.83	24.0	0.0	

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			
Frequency (MHz)				1860	1860	1900			
20	PI2 BPSK	1	1	23.10	23.26	23.19			
20	PI2 BPSK	1	53	23.09	23.25	23.17	24.0	0.0	
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			
20	PI2 BPSK	100	0	22.48	22.74	22.72	23.5	0.5	
20	QPSK	1	1	22.73	22.87	22.77			
20	QPSK	1	53	22.94	23.17	22.98	24.0	0.0	
20	QPSK	1	104	22.98	22.88	22.82			
20	QPSK	50	0	21.74	22.04	21.89	23.0	1.0	
20	QPSK	50	28	22.64	22.95	22.74	24.0	0.0	
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	1.0	
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)				1857.5	1860	1892.5			
15	PI2 BPSK	1	1	23.02	23.18	23.16	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1860	1905			
10	PI2 BPSK	1	1	23.01	23.25	23.09	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1860	1907.5			
5	PI2 BPSK	1	1	23.01	23.19	23.15	24.0	0.0	



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			
20	PI2 BPSK	1	53	23.21	23.22	23.19	24.0	0.0	
20	PI2 BPSK	1	104	22.95	22.93	22.97			
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			
20	QPSK	50	0	22.48	22.61	22.51	23.5	0.5	
20	QPSK	50	28	22.86	23.02	22.89	24.0	0.0	
20	QPSK	50	56	22.29	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	23.5	0.5	
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				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				841.5	838.5	844.5			
15	PI2 BPSK	1	1	23.10	23.12	23.19	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	23.17	23.13	23.09	24.0	0.0	
Channel				165300	167300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				846.5	838.5	848.5			
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			
20	PI2 BPSK	1	53	22.98	22.99	22.86	24.0	0.0	
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	23.00	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	23.5	0.5	
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	23.5	0.5	
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	167300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				841.5	838.5	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	167300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				846.5	838.5	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			
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	23.08	23.17	23.14			
15	PI2 BPSK	1	40	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	24.0	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	23.00	23.09	23.02	24.0	0.0	
15	QPSK	1	1	23.08	23.15	23.02			
15	QPSK	1	40	23.06	23.11	23.01	24.0	0.0	
15	QPSK	1	77	22.76	22.89	22.75			
15	QPSK	36	0	22.53	22.65	22.58	23.5	0.5	
15	QPSK	36	22	22.96	23.06	22.92	24.0	0.0	
15	QPSK	36	43	22.24	22.38	22.28			
15	QPSK	75	0	22.41	22.47	22.37	23.5	0.5	
15	16QAM	1	1	22.71	22.80	22.72	23.5	0.5	
15	64QAM	1	1	21.28	21.34	21.20	22.0	2.0	
15	256QAM	1	1	19.42	19.49	19.48	20.0	4.0	
Channel				140600	141500	142200			
Frequency (MHz)				704	707.5	711			
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			
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				158100	158600	159100			
Frequency (MHz)				793	793	793			
10	PI2 BPSK	1	1		23.02				
10	PI2 BPSK	1	25		22.59		24.0	0.0	
10	PI2 BPSK	1	50		22.95				
10	PI2 BPSK	25	0		22.77		24.0	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		24.0	0.0	
10	QPSK	1	1		22.95				
10	QPSK	1	26		23.01		24.0	0.0	
10	QPSK	1	50		22.98				
10	QPSK	25	0		22.33		23.5	0.5	
10	QPSK	25	14		22.91		24.0	0.0	
10	QPSK	25	27		22.41				
10	QPSK	50	0		22.31		23.5	0.5	
10	16QAM	1	1		22.58		23.5	0.5	
10	64QAM	1	1		20.83		22.0	2.0	
10	256QAM	1	1		18.96		20.0	4.0	
Channel				158100	158600	159100			
Frequency (MHz)				793.5	793	793.5			
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	1682.5	1695			
40	PI2 BPSK	1	1	23.28	23.30	23.21			
40	PI2 BPSK	1	108	23.27	23.17	23.13	24.0	0.0	
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			
40	PI2 BPSK	216	0	22.86	22.78	22.67	23.5	0.5	
40	BPSK	1	1	23.16	23.19	23.14			
40	QPSK	1	108	23.21	23.25	23.18	24.0	0.0	
40	QPSK	1	214	23.17	23.20	23.13			
40	QPSK	108	0	22.15	22.16	22.01	23.0	1.0	
40	QPSK	108	54	23.06	23.06	22.91	24.0	0.0	
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)				1865	1882.5	1900			
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)				1862.5	1882.5	1902.5			
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)				1860	1882.5	1905			
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)				1857.5	1882.5	1907.5			
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)				1855	1882.5	1910			
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)				1852.5	1882.5	1912.5			
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	1682.5	1695			
40	PI2 BPSK	1	1	23.16	23.28	23.27			
40	PI2 BPSK	1	108	22.92	22.83	22.88	24.0	0.0	
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			
40	PI2 BPSK	216	0	22.81	22.85	22.84	23.5	0.5	
40	QPSK	1	1	22.91	23.04	23.03			
40	QPSK	1	108	23.18	23.28	23.21	24.0	0.0	
40	QPSK	1	214	23.13	23.22	23.16			
40	QPSK	108	0	22.10	22.23	22.21	23.0	1.0	
40	QPSK	108	54	23.06	23.17	23.12	24.0	0.0	
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)				1865	1882.5	1900			
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)				1862.5	1882.5	1902.5			
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)				1860	1882.5	1905			
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)				1857.5	1882.5	1907.5			
15	PI2 BPSK	1	1	23.05	23.12	23.17	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910			
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)				1852.5	1882.5	1912.5			
5	PI2 BPSK	1	1	23.05	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				164300	166300	168300			
Frequency (MHz)				854	831.5	839			
20	PI2 BPSK	1	1	23.16	23.19	23.03			
20	PI2 BPSK	1	33	23.17	23.18	22.89	24.0	0.0	
20	PI2 BPSK	1	104	23.04	22.92	22.83			
20	PI2 BPSK	50	0	23.02	23.04	22.88	24.0	0.0	
20	PI2 BPSK	50	28	23.08	23.13	22.86	24.0	0.0	
20	PI2 BPSK	50	56	23.02	22.96	22.78			
20	PI2 BPSK	100	0	23.07	23.08	22.96	24.0	0.0	
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	23.5	0.5	
20	QPSK	50	28	23.02	23.01	23.05	24.0	0.0	
20	QPSK	50	56	22.41	22.41	22.28			
20	QPSK	100	0	22.44	22.49	22.36	23.5	0.5	
20	16QAM	1	1	22.33	22.39	22.26	23.5	0.5	
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)				821.5	831.5	841.5			
15	PI2 BPSK	1	1	23.00	23.14	22.97	24.0	0.0	
Channel				163900	165900	167900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	PI2 BPSK	1	1	23.02	23.04	22.88	24.0	0.0	
Channel				163900	165900	167900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	PI2 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				461500	463000	464500			
Frequency (MHz)				2310	2310	2310			
10	PI2 BPSK	1	1		23.30				
10	PI2 BPSK	1	26		23.17		24.0	0.0	
10	PI2 BPSK	1	50		23.11				
10	PI2 BPSK	25	0		22.72		23.5	0.5	
10	PI2 BPSK	25	14		23.23		24.0	0.0	
10	PI2 BPSK	25	27		22.56				
10	PI2 BPSK	50	0		22.74		23.5	0.5	
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		23.0	1.0	
10	QPSK	25	14		22.94		24.0	0.0	
10	QPSK	25	27		22.40				
10	QPSK	50	0		22.41		23.0	1.0	
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				461500	463000	464500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	PI2 BPSK	1	1	23.13	23.26	23.16	24.0	0.0	

n30_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				461500	463000	464500			
Frequency (MHz)				2310	2310	2310			
10	PI2 BPSK	1	1		23.28				
10	PI2 BPSK	1	26		23.21		24.0	0.0	
10	PI2 BPSK	1	50		23.19				
10	PI2 BPSK	25	0		22.69		23.5	0.5	
10	PI2 BPSK	25	14		23.19		24.0	0.0	
10	PI2 BPSK	25	27		22.67				
10	PI2 BPSK	50	0		22.68		23.5	0.5	
10	QPSK	1	1		23.20				
10	QPSK	1	26		23.27		24.0	0.0	
10	QPSK	1	50		23.17				
10	QPSK	25	0		22.20		23.0	1.0	
10	QPSK	25	14		23.18		24.0	0.0	
10	QPSK	25	27		22.20				
10	QPSK	50	0		22.17		23.0	1.0	
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				461500	463000	464500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	PI2 BPSK	1	1	23.03	23.16	23.06	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	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	23.17	23.28	23.15			
40	PI2 BPSK	1	108	23.13	23.27	23.12	24.0	0.0	
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			
40	PI2 BPSK	216	0	22.37	22.50	22.35	23.5	0.5	
40	QPSK	1	1	22.50	23.00	22.89			
40	QPSK	1	108	22.88	22.88	22.81	24.0	0.0	
40	QPSK	1	214	22.82	22.84	22.75			
40	QPSK	108	0	21.85	21.87	21.73	23.0	1.0	
40	QPSK	108	54	22.75	22.84	22.72	24.0	0.0	
40	QPSK	108	108	21.83	22.02	21.98			
40	QPSK	216	0	21.85	21.89	21.77	23.0	1.0	
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	18.05	18.65	18.50	19.5	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI2 BPSK	1	1	22.98	22.87	22.87	24.0	0.0	
Channel				344000	349000	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	349000	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	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	1	22.96	22.78	22.87	24.0	0.0	
Channel				342000	349000	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	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	23.16	23.23	23.06			
40	PI2 BPSK	1	108	22.91	23.15	22.95	24.0	0.0	
40	PI2 BPSK	1	214	22.89	22.89	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	22.82	22.34			
40	PI2 BPSK	216	0	22.52	22.63	22.33	23.5	0.5	
40	QPSK	1	1	22.97	23.05	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			
40	QPSK	108	0	21.76	21.73	21.68	23.0	1.0	
40	QPSK	108	54	23.12	23.10	22.99	24.0	0.0	
40	QPSK	108	108	21.78	21.75	21.72			
40	QPSK	216	0	21.85	21.91	21.79	23.0	1.0	
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	349000	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	349000	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	349000	355000	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	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	1	22.89	23.11	23.00	24.0	0.0	
Channel				342000	349000	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				340000	345000	341000			
Frequency (MHz)				1702.5					
15	PI2 BPSK	1	1		23.28				
15	PI2 BPSK	1	40		23.24		24.0	0.0	
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				
15	PI2 BPSK	75	0		22.80		23.5	0.5	
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		23.0	1.0	
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				340000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	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				1702.5					
Frequency (MHz)									
15	PI2 BPSK	1	1		23.29				
15	PI2 BPSK	1	40		23.24		24.0	0.0	
15	PI2 BPSK	1	77		23.21				
15	PI2 BPSK	36	0		22.96		23.5	0.5	
15	PI2 BPSK	36	22		23.23		24.0	0.0	
15	PI2 BPSK	36	43		22.81				
15	PI2 BPSK	75	0		22.70		23.5	0.5	
15	QPSK	1	1		23.07				
15	QPSK	1	40		23.23		24.0	0.0	
15	QPSK	1	77		23.26				
15	QPSK	36	0		22.09		23.0	1.0	
15	QPSK	36	22		23.15		24.0	0.0	
15	QPSK	36	43		22.29				
15	QPSK	75	0		22.16		23.0	1.0	
15	16QAM	1	1		22.02		23.0	1.0	
15	64QAM	1	1		20.73		21.5	2.5	
15	256QAM	1	1		18.57		19.5	4.5	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	PI2 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)									
5	PI2 BPSK	1	1		23.12	23.22	23.28	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				136000					
Frequency (MHz)									
20	PI2 BPSK	1	1		23.22	23.25	23.15		
20	PI2 BPSK	1	53		23.14	23.12	23.10	24.0	0.0
20	PI2 BPSK	1	104		23.09	23.20	22.97		
20	PI2 BPSK	50	0		22.85	22.89	22.97	24.0	0.0
20	PI2 BPSK	50	28		23.17	23.21	23.10	24.0	0.0
20	PI2 BPSK	50	56		23.01	22.95	22.87		
20	PI2 BPSK	100	0		23.09	23.15	23.07	24.0	0.0
20	QPSK	1	1		22.99	23.05	22.90		
20	QPSK	1	53		22.94	22.98	22.88	24.0	0.0
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	24.0	0.0
20	QPSK	50	56		22.45	22.48	22.34	23.5	0.5
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	64QAM	1	1		21.22	21.22	21.16	22.0	2.0
20	256QAM	1	1		19.08	19.08	18.92	20.0	4.0
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	PI2 BPSK	1	1		23.18	23.20	23.12	24.0	0.0
Channel				135600	136100	136600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	PI2 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)									
5	PI2 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				136000					
Frequency (MHz)									
20	PI2 BPSK	1	1		23.09	23.10	23.00		
20	PI2 BPSK	1	53		22.82	22.95	22.85	24.0	0.0
20	PI2 BPSK	1	104		22.99	22.93	22.81		
20	PI2 BPSK	50	0		22.85	22.83	22.85	24.0	0.0
20	PI2 BPSK	50	28		23.03	23.05	22.99	24.0	0.0
20	PI2 BPSK	50	56		22.91	22.89	22.81		
20	PI2 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	24.0	0.0
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	22.90	22.75	24.0	0.0
20	QPSK	50	56		22.30	22.31	22.15	23.5	0.5
20	QPSK	100	0		22.53	22.37	22.24		
20	16QAM	1	1		22.28	22.32	22.18	23.5	0.5
20	64QAM	1	1		21.17	21.28	21.19	22.0	2.0
20	256QAM	1	1		19.08	19.17	19.05	20.0	4.0
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	PI2 BPSK	1	1		22.94	22.99	22.90	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	PI2 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)									
5	PI2 BPSK	1	1		23.04	23.02	22.85	24.0	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									
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	23.12	23.25	23.15			
100	PI2 BPSK	1	137	23.08	23.15	23.11	24.0	0.0	
100	PI2 BPSK	1	271	23.05	23.21	23.12			
100	PI2 BPSK	135	0	23.02	23.08	23.05	24.0	0.0	
100	PI2 BPSK	135	69	23.05	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			
100	QPSK	1	1	23.05	23.18	23.12			
100	QPSK	1	137	22.97	23.03	22.98	24.0	0.0	
100	QPSK	1	271	23.02	23.16	23.03			
100	QPSK	135	0	22.84	22.95	22.85	24.0	0.0	
100	QPSK	135	69	22.95	22.95	22.95			
100	QPSK	135	138	22.95	22.84	22.83			
100	QPSK	270	0	22.95	22.13	22.04	23.0	1.0	
100	16QAM	1	1	22.05	22.11	22.03	23.0	1.0	
100	16QAM	1	1	20.42	20.52	20.48	21.5	2.5	
100	25QAM	1	1	18.54	18.58	18.56	19.5	4.5	
Channel									
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)	
90	PI2 BPSK	1	1	22.79	23.15	22.83	24.0	0.0	
Channel									
Frequency (MHz)				2535.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)	
80	PI2 BPSK	1	1	22.75	23.18	22.99	24.0	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2531.01	2592.99	2645	Tune-up limit (dBm)	MPR (dB)	
70	PI2 BPSK	1	1	22.68	23.18	22.95	24.0	0.0	
Channel									
Frequency (MHz)				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2525	2592.99	2659.98	Tune-up limit (dBm)	MPR (dB)	
60	PI2 BPSK	1	1	22.78	23.15	22.83	24.0	0.0	
Channel									
Frequency (MHz)				2521.02	2592.99	2654.99	Tune-up limit (dBm)	MPR (dB)	
50	PI2 BPSK	1	1	22.70	23.16	22.92	24.0	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2515.01	2592.99	2670	Tune-up limit (dBm)	MPR (dB)	
40	PI2 BPSK	1	1	22.75	23.17	22.92	24.0	0.0	
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2511	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)	
30	PI2 BPSK	1	1	22.76	23.15	22.87	24.0	0.0	
Channel									
Frequency (MHz)				501204	518598	533996	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2505.02	2592.99	2679.99	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	22.79	23.22	22.96	24.0	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									
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	25.05	25.88	25.56			
100	PI2 BPSK	1	137	25.43	25.80	25.53	27.0	0.0	
100	PI2 BPSK	1	271	25.21	25.95	25.37			
100	PI2 BPSK	135	0	25.21	25.36	25.03	26.5	0.5	
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			
100	QPSK	1	1	25.71	25.78	25.70			
100	QPSK	1	137	25.52	25.63	25.54	27.0	0.0	
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	26.0	1.0	
100	16QAM	1	1	25.00	25.05	24.89	26.0	1.0	
100	16QAM	1	1	23.31	23.46	23.32	24.5	2.5	
100	25QAM	1	1	21.42	21.50	21.40	22.5	4.5	
Channel									
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)	
90	PI2 BPSK	1	1	25.19	25.74	25.34	27.0	0.0	
Channel									
Frequency (MHz)				2538.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)	
80	PI2 BPSK	1	1	25.19	25.79	25.32	27.0	0.0	
Channel									
Frequency (MHz)				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2531.01	2592.99	2645	Tune-up limit (dBm)	MPR (dB)	
70	PI2 BPSK	1	1	25.21	25.74	25.37	27.0	0.0	
Channel									
Frequency (MHz)				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2528	2592.99	2659.98	Tune-up limit (dBm)	MPR (dB)	
60	PI2 BPSK	1	1	25.25	25.72	25.41	27.0	0.0	
Channel									
Frequency (MHz)				2521.02	2592.99	2654.99	Tune-up limit (dBm)	MPR (dB)	
50	PI2 BPSK	1	1	25.25	25.80	25.39	27.0	0.0	
Channel									
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2515.01	2592.99	2670	Tune-up limit (dBm)	MPR (dB)	
40	PI2 BPSK	1	1	25.23	25.79	25.41	27.0	0.0	
Channel									
Frequency (MHz)				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2511	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)	
30	PI2 BPSK	1	1	25.23	25.77	25.42	27.0	0.0	
Channel									
Frequency (MHz)				501204	518598	533996	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2508.02	2592.99	2679.99	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	25.22	25.72	25.42	27.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Midle Ch. / Freq.	High Ch. / Freq.		
Channel				509202	518998	528000		
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	18.84	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	20.0	0.0
100	PI2 BPSK	135	69	18.89	19.05	18.82	20.0	0.0
100	PI2 BPSK	135	138	18.83	18.85	18.64	20.0	0.0
100	PI2 BPSK	270	0	18.86	19.02	18.73		
100	QPSK	1	1	18.90	19.00	18.84		
100	QPSK	1	137	18.84	18.82	18.81	20.0	0.0
100	QPSK	1	271	18.72	18.91	18.78		
100	QPSK	135	0	18.80	18.58	18.76		
100	QPSK	135	69	18.87	18.85	18.84	20.0	0.0
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	19.0	1.0
100	16QAM	1	1	18.43	18.51	18.42	17.5	2.5
100	256QAM	1	1	14.38	14.40	14.32	15.5	4.5
Channel				588200	518998	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI2 BPSK	1	1	18.79	18.70	18.84	20.0	0.0
Channel				509204	518998	529008	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636.02	2592.99	2649.99		
80	PI2 BPSK	1	1	19.01	18.91	18.85	20.0	0.0
Channel				509202	518998	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	20.0	0.0
Channel				590200	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2592.99	2659.98		
60	PI2 BPSK	1	1	18.81	18.70	18.65	20.0	0.0
Channel				509204	518998	532008	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621.02	2592.99	2654.99		
50	PI2 BPSK	1	1	18.78	18.68	18.59	20.0	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2616.01	2592.99	2630		
40	PI2 BPSK	1	1	18.88	18.81	18.73	20.0	0.0
Channel				592200	518998	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	20.0	0.0
Channel				509204	518998	535008	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2606.02	2592.99	2679.99		
20	PI2 BPSK	1	1	18.70	19.00	18.73	20.0	0.0



Part27Q_n77_Ant 4									
DW (MHz)	Modulation	RF Com	RF Offset	Power Level Ch. 1 (F/Hz)	Power Level Ch. 2 (F/Hz)	Power Level Ch. 3 (F/Hz)	Through Band (dB)	NR1 (dB)	NR2 (dB)
Channel									
Frequency (MHz)									
100	P10-BPSK	1	1		23.05				
100	P10-BPSK	1	137		23.16		240	0.0	
100	P10-BPSK	1	271		23.17				
100	P10-BPSK	98	2		23.12		240	0.0	
100	P10-BPSK	130	99		23.14		240	0.0	
100	P10-BPSK	150	138		23.11		240	0.0	
100	P10-BPSK	208	2		23.10				
100	QPSK	1	1		23.20		240	0.0	
100	QPSK	1	137		23.21				
100	QPSK	1	271		23.24				
100	QPSK	150	5		23.16		240	0.0	
100	QPSK	150	138		23.13				
100	QPSK	150	138		23.14				
100	QPSK	208	2		23.07		240	1.0	
100	QPSK	1	1		23.04		230	1.0	
100	QPSK	1	1		23.04		215	2.5	
100	QPSK	1	1		23.00		180	4.5	
Channel									
Frequency (MHz)									
90	P10-BPSK	1	1	23.05	23.14	23.24	240	0.0	
Channel									
Frequency (MHz)									
80	P10-BPSK	1	1	23.20	23.04	23.05	240	0.0	
Channel									
Frequency (MHz)									
70	P10-BPSK	1	1	23.24	23.05	23.05	240	0.0	
Channel									
Frequency (MHz)									
60	P10-BPSK	1	1	23.22	23.05	23.05	240	0.0	
Channel									
Frequency (MHz)									
50	P10-BPSK	1	1	23.23	23.07	23.07	240	0.0	
Channel									
Frequency (MHz)									
40	P10-BPSK	1	1	23.23	23.08	23.08	240	0.0	
Channel									
Frequency (MHz)									
30	P10-BPSK	1	1	23.21	23.07	23.07	240	0.0	
Channel									
Frequency (MHz)									
20	P10-BPSK	1	1	23.11	23.02	23.02	240	0.0	

Part27Q_n77_Ant 4(HPUE)									
DW (MHz)	Modulation	RF Com	RF Offset	Power Level Ch. 1 (F/Hz)	Power Level Ch. 2 (F/Hz)	Power Level Ch. 3 (F/Hz)	Through Band (dB)	NR1 (dB)	NR2 (dB)
Channel									
Frequency (MHz)									
100	P10-BPSK	1	1		23.05				
100	P10-BPSK	1	137		23.06		270	0.0	
100	P10-BPSK	1	271		23.73				
100	P10-BPSK	98	2		23.20		255	0.5	
100	P10-BPSK	130	99		23.05		270	0.0	
100	P10-BPSK	150	138		23.18		265	0.5	
100	P10-BPSK	208	2		23.01				
100	QPSK	1	1		23.07		270	0.0	
100	QPSK	1	137		23.08				
100	QPSK	1	271		23.74				
100	QPSK	150	5		23.11		270	0.0	
100	QPSK	150	138		23.13				
100	QPSK	150	138		23.13				
100	QPSK	208	2		23.71		260	1.0	
100	QPSK	1	1		23.04		250	1.0	
100	QPSK	1	1		23.04		245	2.5	
100	QPSK	1	1		23.01		210	4.5	
Channel									
Frequency (MHz)									
90	P10-BPSK	1	1	23.05	23.06	23.04	270	0.0	
Channel									
Frequency (MHz)									
80	P10-BPSK	1	1	23.09	23.03	23.03	270	0.0	
Channel									
Frequency (MHz)									
70	P10-BPSK	1	1	23.01	23.04	23.18	270	0.0	
Channel									
Frequency (MHz)									
60	P10-BPSK	1	1	23.02	23.03	23.03	270	0.0	
Channel									
Frequency (MHz)									
50	P10-BPSK	1	1	23.02	23.05	23.05	270	0.0	
Channel									
Frequency (MHz)									
40	P10-BPSK	1	1	23.03	23.05	23.05	270	0.0	
Channel									
Frequency (MHz)									
30	P10-BPSK	1	1	23.01	23.04	23.04	270	0.0	
Channel									
Frequency (MHz)									
20	P10-BPSK	1	1	23.02	23.02	23.02	270	0.0	



Part 270 n77_Ant 4										
DW (MHz)	Modulation	RF Com	RF Offset	Power Ch1 Freq (dBm)	Power Ch2 Freq (dBm)	Power Ch3 Freq (dBm)	Power Ch4 Freq (dBm)	Power Ch5 Freq (dBm)	Power Ch6 Freq (dBm)	MFR (dB)
Channel										
Frequency (MHz)										
100	P10-BPSK	1	1	23.18	23.18	23.18				
100	P10-BPSK	1	130	23.05	23.05	23.05				0.0
100	P10-BPSK	1	271	22.86	22.81	22.76			24.0	0.0
100	P10-BPSK	80	1	22.89	22.90	22.91			24.0	0.0
100	P10-BPSK	130	80	22.91	22.90	22.78			24.0	0.0
100	P10-BPSK	130	130	22.86	22.85	22.72			24.0	0.0
100	P10-BPSK	269	1	22.71	22.81	22.81			24.0	0.0
100	QPSK	1	1	22.85	22.88	22.87			24.0	0.0
100	QPSK	1	130	22.92	22.82	22.85			24.0	0.0
100	QPSK	1	271	22.84	22.84	22.85			24.0	0.0
100	QPSK	130	1	22.82	22.81	22.81			24.0	0.0
100	QPSK	130	80	22.92	22.84	22.87			24.0	0.0
100	QPSK	130	130	22.80	22.85	22.85			24.0	0.0
100	QPSK	269	1	22.81	22.85	22.81			24.0	0.0
100	QPSK	1	1	21.57	21.58	21.55			23.0	1.0
100	QPSK	1	1	22.24	22.28	22.25			23.5	2.5
100	QPSK	1	1	18.47	18.50	18.43			19.5	4.5
Channel										
Frequency (MHz)										
90	P10-BPSK	1	1	23.12	23.12	23.12			Turn-up level (dB)	0.0
90	P10-BPSK	1	1	23.24	23.24	23.24			24.0	0.0
Channel										
Frequency (MHz)										
80	P10-BPSK	1	1	22.85	22.85	22.85			Turn-up level (dB)	0.0
80	P10-BPSK	1	1	22.96	22.96	22.96			24.0	0.0
Channel										
Frequency (MHz)										
70	P10-BPSK	1	1	22.99	22.98	22.98			Turn-up level (dB)	0.0
70	P10-BPSK	1	1	23.02	23.02	23.02			24.0	0.0
Channel										
Frequency (MHz)										
60	P10-BPSK	1	1	23.06	23.06	23.06			Turn-up level (dB)	0.0
60	P10-BPSK	1	1	23.21	23.18	23.01			27.0	0.0
Channel										
Frequency (MHz)										
50	P10-BPSK	1	1	22.87	22.84	22.72			24.0	0.0
Channel										
Frequency (MHz)										
40	P10-BPSK	1	1	22.82	22.82	22.82			Turn-up level (dB)	0.0
40	P10-BPSK	1	1	22.93	22.93	22.93			24.0	0.0
Channel										
Frequency (MHz)										
30	P10-BPSK	1	1	22.84	22.86	22.73			Turn-up level (dB)	0.0
30	P10-BPSK	1	1	22.91	22.92	22.88			24.0	0.0

Part 270 n77_Ant 4(HPUE)										
DW (MHz)	Modulation	RF Com	RF Offset	Power Ch1 Freq (dBm)	Power Ch2 Freq (dBm)	Power Ch3 Freq (dBm)	Power Ch4 Freq (dBm)	Power Ch5 Freq (dBm)	Power Ch6 Freq (dBm)	MFR (dB)
Channel										
Frequency (MHz)										
100	P10-BPSK	1	1	23.28	23.28	23.28				
100	P10-BPSK	1	130	23.22	23.26	23.12				27.0
100	P10-BPSK	1	271	23.21	23.23	23.06				0.0
100	P10-BPSK	80	1	23.20	23.22	23.03				26.5
100	P10-BPSK	130	80	23.20	23.16	23.07				27.0
100	P10-BPSK	130	130	23.16	23.14	23.02				26.5
100	P10-BPSK	269	1	23.15	23.17	23.01				26.5
100	QPSK	1	1	23.01	23.11	23.04				27.0
100	QPSK	1	130	23.04	23.00	23.00				27.0
100	QPSK	1	271	23.02	23.02	23.03				27.0
100	QPSK	130	1	23.02	23.02	23.03				27.0
100	QPSK	130	80	23.01	23.00	23.04				27.0
100	QPSK	130	130	23.00	23.04	23.00				27.0
100	QPSK	269	1	23.01	23.00	23.00				26.0
100	QPSK	1	1	21.57	21.58	21.55				23.0
100	QPSK	1	1	22.24	22.28	22.25				24.5
100	QPSK	1	1	18.47	18.50	18.43				19.5
Channel										
Frequency (MHz)										
90	P10-BPSK	1	1	23.12	23.12	23.12				Turn-up level (dB)
90	P10-BPSK	1	1	23.24	23.24	23.24				27.0
Channel										
Frequency (MHz)										
80	P10-BPSK	1	1	22.85	22.85	22.85				Turn-up level (dB)
80	P10-BPSK	1	1	22.96	22.96	22.96				27.0
Channel										
Frequency (MHz)										
70	P10-BPSK	1	1	22.99	22.98	22.98				Turn-up level (dB)
70	P10-BPSK	1	1	23.02	23.02	23.02				27.0
Channel										
Frequency (MHz)										
60	P10-BPSK	1	1	23.06	23.06	23.06				Turn-up level (dB)
60	P10-BPSK	1	1	23.21	23.18	23.01				27.0
Channel										
Frequency (MHz)										
50	P10-BPSK	1	1	22.87	22.84	22.72				Turn-up level (dB)
50	P10-BPSK	1	1	22.94	22.94	22.92				27.0
Channel										
Frequency (MHz)										
40	P10-BPSK	1	1	22.82	22.82	22.82				Turn-up level (dB)
40	P10-BPSK	1	1	22.93	22.93	22.93				27.0
Channel										
Frequency (MHz)										
30	P10-BPSK	1	1	22.84	22.86	22.73				Turn-up level (dB)
30	P10-BPSK	1	1	22.91	22.92	22.88				27.0



Part27Q n78_Ant 4									
SW (MHz)	Modulation	FD Com	FD Offset	Power Level Ch. F (W)	Power Level Ch. F (W)	Power Level Ch. F (W)	Priority Band (MHz)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P1D-BPSC	1	1		23.00				
100	P1D-BPSC	1	13V		23.76		240	0.0	
100	P1D-BPSC	1	27V		22.90				
100	P1D-BPSC	98	2		22.90		235	0.5	
100	P1D-BPSC	130	69		22.36		240	0.0	
100	P1D-BPSC	150	138		22.52		235	0.5	
100	P1D-BPSC	208	2		22.90				
100	QPSK	1	1		22.92		240	0.0	
100	QPSK	1	27V		22.92				
100	QPSK	150	5		22.88		240	0.0	
100	QPSK	60	90		22.81				
100	QPSK	150	138		22.22				
100	QPSK	200	0		21.86		200	1.0	
100	QPSK	1	1		21.96		250	1.0	
100	QPSK	1	1		20.77		215	2.5	
100	QPSK	1	1		19.51		185	4.2	
Channel									
Frequency (MHz)									
90	P1D-BPSC	1	1	22.74	22.94	22.94	240	0.0	
Channel									
Frequency (MHz)									
90	P1D-BPSC	1	1	22.76	22.76	22.90	240	0.0	
Channel									
Frequency (MHz)									
70	P1D-BPSC	1	1	22.92	22.79	22.60	240	0.0	
Channel									
Frequency (MHz)									
60	P1D-BPSC	1	1	22.71	22.76	22.64	240	0.0	
Channel									
Frequency (MHz)									
40	P1D-BPSC	1	1	22.72	22.76	22.76	240	0.0	
Channel									
Frequency (MHz)									
30	P1D-BPSC	1	1	22.71	22.95	22.63	240	0.0	
Channel									
Frequency (MHz)									
20	P1D-BPSC	1	1	22.75	22.94	22.90	240	0.0	

Part27O n78_Ant 4									
SW (MHz)	Modulation	FD Com	FD Offset	Power Level Ch. F (W)	Power Level Ch. F (W)	Power Level Ch. F (W)	Priority Band (MHz)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P1D-BPSC	1	1		23.00				
100	P1D-BPSC	1	13V		23.06		240	0.0	
100	P1D-BPSC	1	27V		22.84				
100	P1D-BPSC	98	2		22.90		235	0.5	
100	P1D-BPSC	130	69		22.32		240	0.0	
100	P1D-BPSC	150	138		21.88		235	0.5	
100	P1D-BPSC	208	2		22.90				
100	QPSK	1	1		22.92		240	0.0	
100	QPSK	1	27V		22.92				
100	QPSK	150	5		21.83		240	0.0	
100	QPSK	60	90		22.70				
100	QPSK	150	138		21.85				
100	QPSK	200	0		21.86		200	1.0	
100	QPSK	1	1		21.76		250	1.0	
100	QPSK	1	1		20.19		215	2.5	
100	QPSK	1	1		18.97		185	4.2	
Channel									
Frequency (MHz)									
90	P1D-BPSC	1	1	22.74	22.94	22.94	240	0.0	
Channel									
Frequency (MHz)									
90	P1D-BPSC	1	1	22.76	22.76	22.90	240	0.0	
Channel									
Frequency (MHz)									
70	P1D-BPSC	1	1	22.92	22.79	22.60	240	0.0	
Channel									
Frequency (MHz)									
60	P1D-BPSC	1	1	22.71	22.76	22.64	240	0.0	
Channel									
Frequency (MHz)									
40	P1D-BPSC	1	1	22.72	22.76	22.76	240	0.0	
Channel									
Frequency (MHz)									
30	P1D-BPSC	1	1	22.71	22.95	22.63	240	0.0	
Channel									
Frequency (MHz)									
20	P1D-BPSC	1	1	22.75	22.94	22.90	240	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								
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			20.5	0.0
100	PI/2 BPSK	135	69	19.64			20.5	0.0
100	PI/2 BPSK	135	138	19.60			20.5	0.0
100	PI/2 BPSK	270	0	19.60				
100	PI/2 BPSK	135	138	19.50				
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			20.5	0.0
100	QPSK	135	69	19.56				
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	PI/2 BPSK	1	1	19.65	19.63	19.68	20.5	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	19.65	19.61	19.71	20.5	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	19.63	19.64	19.70	20.5	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	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								
Frequency (MHz)				650000	656000	662000		
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	20.5	0.0
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	PI/2 BPSK	135	138	19.56	19.71	19.59		
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	20.5	0.0
100	QPSK	135	69	19.61	19.63	19.51		
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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			3500.01	20.5	0.0
Frequency (MHz)				19.23					
100	PI/2 BPSK	1	1		18.78		20.5	0.0	
100	PI/2 BPSK	1	137		18.75				
100	PI/2 BPSK	1	271		18.51				
100	PI/2 BPSK	135	0		19.22		20.0	0.5	
100	PI/2 BPSK	135	69		18.70		20.5	0.0	
100	PI/2 BPSK	135	138		18.62		20.0	0.5	
100	PI/2 BPSK	270	0		18.51		20.5	0.0	
100	QPSK	1	1		18.52				
100	QPSK	1	137		18.81				
100	QPSK	1	271		18.51		20.5	0.0	
100	QPSK	135	0		18.52				
100	QPSK	135	69		18.50				
100	QPSK	135	138		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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3604.98			
90	PI/2 BPSK	1	1	19.17	19.22	19.00	20.5	0.0	
Channel				632688	633334	640686	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
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	641686	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3624.99			
50	PI/2 BPSK	1	1	19.19	19.15	19.16	20.5	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	19.21	19.21	19.12	20.5	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	19.17	19.20	19.22	20.5	0.0	
Channel				630688	633334	642686	Tune-up limit (dBm)	MPR (dB)	
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			3750	20.5	0.0
Frequency (MHz)				19.62					
100	PI/2 BPSK	1	1		19.61		20.5	0.0	
100	PI/2 BPSK	1	137		19.45				
100	PI/2 BPSK	1	271		18.18				
100	PI/2 BPSK	135	0		19.61		20.0	0.5	
100	PI/2 BPSK	135	69		18.65		20.5	0.0	
100	PI/2 BPSK	135	138		18.75		20.0	0.5	
100	PI/2 BPSK	270	0		19.45		20.5	0.0	
100	QPSK	1	1		19.36				
100	QPSK	1	137		19.42				
100	QPSK	1	271		18.51		20.5	0.0	
100	QPSK	135	0		19.19				
100	QPSK	135	69		18.50				
100	QPSK	135	138		17.86		19.5	1.0	
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								
Frequency (MHz)				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				
100	PI/2 BPSK	135	0	16.85			18.0	0.0
100	PI/2 BPSK	135	69	16.94			18.0	0.0
100	PI/2 BPSK	135	138	16.79			18.0	0.0
100	PI/2 BPSK	270	0	16.93				
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				
100	QPSK	135	69	16.78			18.0	0.0
100	QPSK	135	138	16.81				
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								
Frequency (MHz)				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								
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	PI/2 BPSK	1	1	16.91	16.82	16.75	18.0	0.0
Channel								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				631666	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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				630666	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								
Frequency (MHz)				650000	656000	662000		
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		
100	PI/2 BPSK	135	0	16.75	16.78	16.81	18.0	0.0
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	18.0	0.0
100	PI/2 BPSK	270	0	16.75	16.94	16.85		
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		
100	QPSK	135	69	16.70	16.93	16.72	18.0	0.0
100	QPSK	135	138	16.69	16.84	16.80		
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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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							18.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	16.94	16.92		18.0	0.0
100	PI/2 BPSK	1	137	16.92				
100	PI/2 BPSK	1	271	16.90				
100	PI/2 BPSK	135	0	16.73			18.0	0.0
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	PI/2 BPSK	1	1	16.76				
100	QPSK	1	137	16.59			18.0	0.0
100	QPSK	1	271	16.80				
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				
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				632688	633334	640686	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	641686	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3624.99		
50	PI/2 BPSK	1	1	16.89	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				630688	633334	642686	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							18.0	0.0
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	16.96	16.93		18.0	0.0
100	PI/2 BPSK	1	137	16.93				
100	PI/2 BPSK	1	271	16.84				
100	PI/2 BPSK	135	0	16.78			18.0	0.0
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	PI/2 BPSK	1	1	16.76				
100	QPSK	1	137	16.90			18.0	0.0
100	QPSK	1	271	16.83				
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				
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								
Frequency (MHz)				633334				
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				
100	PI/2 BPSK	135	0	17.06			18.0	0.0
100	PI/2 BPSK	135	69	17.09			18.0	0.0
100	PI/2 BPSK	135	138	17.02			18.0	0.0
100	PI/2 BPSK	270	0	16.83				
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				
100	QPSK	135	69	17.06			18.0	0.0
100	QPSK	135	138	17.03				
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								
Frequency (MHz)				633000				
Frequency (MHz)				3495				
Frequency (MHz)				3500.01				
90	PI/2 BPSK	1	1	17.11	17.12	17.02	18.0	0.0
Channel								
Frequency (MHz)				632668				
Frequency (MHz)				3490.02				
Frequency (MHz)				3500.01				
Frequency (MHz)				3510				
80	PI/2 BPSK	1	1	17.05	17.07	16.96	18.0	0.0
Channel								
Frequency (MHz)				632334				
Frequency (MHz)				3485.01				
Frequency (MHz)				3500.01				
Frequency (MHz)				3514.98				
70	PI/2 BPSK	1	1	17.03	17.03	16.94	18.0	0.0
Channel								
Frequency (MHz)				632000				
Frequency (MHz)				3480				
Frequency (MHz)				3500.01				
Frequency (MHz)				3519.99				
60	PI/2 BPSK	1	1	17.03	17.04	16.97	18.0	0.0
Channel								
Frequency (MHz)				631668				
Frequency (MHz)				3475.02				
Frequency (MHz)				3500.01				
Frequency (MHz)				3525				
50	PI/2 BPSK	1	1	17.03	17.07	16.93	18.0	0.0
Channel								
Frequency (MHz)				631334				
Frequency (MHz)				3470.01				
Frequency (MHz)				3500.01				
Frequency (MHz)				3529.98				
40	PI/2 BPSK	1	1	17.04	17.06	16.97	18.0	0.0
Channel								
Frequency (MHz)				631000				
Frequency (MHz)				3465				
Frequency (MHz)				3500.01				
Frequency (MHz)				3534.99				
30	PI/2 BPSK	1	1	17.06	17.02	16.94	18.0	0.0
Channel								
Frequency (MHz)				630668				
Frequency (MHz)				3460.02				
Frequency (MHz)				3500.01				
Frequency (MHz)				3540				
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								
Frequency (MHz)				650000				
Frequency (MHz)				3750				
Frequency (MHz)				3840				
Frequency (MHz)				3930				
100	PI/2 BPSK	1	1	17.13	17.16	16.82	18.0	0.0
100	PI/2 BPSK	1	137	16.99	17.06	16.92		
100	PI/2 BPSK	1	271	16.95	17.03	16.86		
100	PI/2 BPSK	135	0	16.92	16.98	16.96	18.0	0.0
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	18.0	0.0
100	PI/2 BPSK	270	0	16.89	17.10	16.91		
100	QPSK	1	1	16.85	17.05	16.89		
100	QPSK	1	137	16.91	17.01	16.87	18.0	0.0
100	QPSK	1	271	16.81	16.97	16.95		
100	QPSK	135	0	16.90	16.95	16.93		
100	QPSK	135	69	16.86	16.91	16.78	18.0	0.0
100	QPSK	135	138	16.41	16.61	16.50		
100	QPSK	270	0	15.96	16.01	15.82		
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								
Frequency (MHz)				649668				
Frequency (MHz)				3745.02				
Frequency (MHz)				3840				
Frequency (MHz)				3934.98				
90	PI/2 BPSK	1	1	17.08	17.06	16.77	18.0	0.0
Channel								
Frequency (MHz)				649334				
Frequency (MHz)				3740.01				
Frequency (MHz)				3840				
Frequency (MHz)				3939.99				
80	PI/2 BPSK	1	1	17.07	17.09	16.72	18.0	0.0
Channel								
Frequency (MHz)				649000				
Frequency (MHz)				3735				
Frequency (MHz)				3840				
Frequency (MHz)				3945				
70	PI/2 BPSK	1	1	17.04	17.07	16.72	18.0	0.0
Channel								
Frequency (MHz)				648668				
Frequency (MHz)				3730.02				
Frequency (MHz)				3840				
Frequency (MHz)				3949.98				
60	PI/2 BPSK	1	1	17.03	17.10	16.75	18.0	0.0
Channel								
Frequency (MHz)				648334				
Frequency (MHz)				3725.01				
Frequency (MHz)				3840				
Frequency (MHz)				3954.99				
50	PI/2 BPSK	1	1	17.06	17.08	16.77	18.0	0.0
Channel								
Frequency (MHz)				648000				
Frequency (MHz)				3720				
Frequency (MHz)				3840				
Frequency (MHz)				3960				
40	PI/2 BPSK	1	1	17.08	17.11	16.75	18.0	0.0
Channel								
Frequency (MHz)				647668				
Frequency (MHz)				3715.02				
Frequency (MHz)				3840				
Frequency (MHz)				3964.98				
30	PI/2 BPSK	1	1	17.06	17.06	16.76	18.0	0.0
Channel								
Frequency (MHz)				647334				
Frequency (MHz)				3710.01				
Frequency (MHz)				3840				
Frequency (MHz)				3969.99				
20	PI/2 BPSK	1	1	17.08	17.09	16.75	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							3500.01	18.0	0.0
Frequency (MHz)									
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	PI/2 BPSK	135	138	17.11					
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				631666	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							3750	18.0	0.0
Frequency (MHz)									
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	PI/2 BPSK	135	138	17.11					
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	17.08			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				372000	376000	380000			
Frequency (MHz)				1920	1860	1900			
20	PI2 BPSK	1	1	21.36	21.60	21.45	22.5	0.0	
20	PI2 BPSK	1	53	21.29	21.43	21.40	22.5	0.0	
20	PI2 BPSK	1	104	21.32	21.37	21.35	22.5	0.0	
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	
20	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	22.5	0.0	
20	QPSK	1	104	21.29	21.43	21.35	22.5	0.0	
20	QPSK	50	0	21.31	21.44	21.40	22.5	0.0	
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	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	18.37	18.70	18.64	19.5	3.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5			
15	PI2 BPSK	1	1	21.31	21.28	21.33	22.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1805	1860	1905			
10	PI2 BPSK	1	1	21.38	21.47	21.15	22.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
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				374000	376500	379000			
Frequency (MHz)				1870	1822.5	1822			
40	PI2 BPSK	1	1	21.62	21.76	21.71	22.5	0.0	
40	PI2 BPSK	1	108	21.61	21.67	21.63	22.5	0.0	
40	PI2 BPSK	1	214	21.55	21.66	21.60	22.5	0.0	
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	21.55	21.70	21.68	22.5	0.0	
40	PI2 BPSK	216	0	21.56	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	22.5	0.0	
40	QPSK	1	214	21.58	21.66	21.71	22.5	0.0	
40	QPSK	108	0	21.63	21.73	21.67	22.5	0.0	
40	QPSK	108	54	21.62	21.68	21.66	22.5	0.0	
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	18.70	18.86	18.83	19.5	3.0	
Channel				373500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1892.5	1900			
30	PI2 BPSK	1	1	21.29	21.63	21.38	22.5	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1822.5	1822.5	1822.5			
25	PI2 BPSK	1	1	21.23	21.48	21.23	22.5	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1862.5	1905			
20	PI2 BPSK	1	1	21.35	21.34	21.33	22.5	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1817.5	1862.5	1872.5			
15	PI2 BPSK	1	1	21.35	21.55	21.45	22.5	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1862.5	1910			
10	PI2 BPSK	1	1	21.51	21.47	21.58	22.5	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1812.5	1812.5	1912.5			
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				461500	462000	462500			
Frequency (MHz)				2310					
10	PI2 BPSK	1	1		18.14		19.0	0.0	
10	PI2 BPSK	1	26		18.10		19.0	0.0	
10	PI2 BPSK	1	50		18.10		19.0	0.0	
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		19.0	0.0	
10	QPSK	1	50		18.05		19.0	0.0	
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		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		17.32		19.0	0.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	PI2 BPSK	1	1	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		
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	21.0	0.0
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	PI/2 BPSK	1	1	20.03	20.10	19.97		
20	QPSK	1	53	20.01	20.04	19.98	21.0	0.0
20	QPSK	1	104	20.06	20.04	20.03		
20	QPSK	50	0	20.04	20.05	20.02		
20	QPSK	50	28	19.96	20.12	20.04	21.0	0.0
20	QPSK	50	56	20.04	20.06	19.98	21.0	0.0
20	QPSK	100	0	19.99	20.09	20.00		
20	16QAM	1	1	20.03	20.07	20.04		
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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		
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	23.0	0.0
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	PI/2 BPSK	1	1	21.95	21.94	21.76		
20	QPSK	1	53	21.94	21.96	21.84	23.0	0.0
20	QPSK	1	104	21.93	21.90	21.84		
20	QPSK	50	0	21.85	21.95	21.86		
20	QPSK	50	28	21.85	21.96	21.78	23.0	0.0
20	QPSK	50	56	21.88	21.92	21.86	23.0	0.0
20	QPSK	100	0	21.90	21.96	21.79		
20	16QAM	1	1	21.85	21.90	21.81		
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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		
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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		
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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 DS12 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				
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			17.5	0.0
10	PI/2 BPSK	25	0	16.41				
10	PI/2 BPSK	25	14	16.53			17.5	0.0
10	PI/2 BPSK	25	27	16.47				
10	PI/2 BPSK	50	0	16.50			17.5	0.0
10	QPSK	1	1	16.48				
10	QPSK	1	26	16.51			17.5	0.0
10	QPSK	1	50	16.41				
10	QPSK	25	0	16.46			17.5	0.0
10	QPSK	25	14	16.36				
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				
10	256QAM	1	1	16.27			17.5	0.0
Channel				461500	462000	462500		
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 DS12 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				
Frequency (MHz)				1730				
40	PI/2 BPSK	1	1	21.66	21.75	21.60	22.5	0.0
40	PI/2 BPSK	1	108	21.61	21.67	21.58		
40	PI/2 BPSK	1	214	21.63	21.71	21.55	22.5	0.0
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		
40	PI/2 BPSK	216	0	21.62	21.70	21.55	22.5	0.0
40	QPSK	1	1	21.65	21.74	21.57		
40	QPSK	1	108	21.68	21.66	21.63	22.5	0.0
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		
40	QPSK	108	108	21.64	21.74	21.63	22.5	0.0
40	QPSK	216	0	21.65	21.66	21.56		
40	16QAM	1	1	21.70	21.67	21.59	22.5	0.0
40	64QAM	1	1	20.45	20.50	20.40		
40	256QAM	1	1	18.52	18.56	18.55	19.5	3.0
Channel				345000				
Frequency (MHz)				1725				
30	PI/2 BPSK	1	1	21.51	21.70	21.31	22.5	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	21.67	21.44	21.29	22.5	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	21.36	21.51	21.40	22.5	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	21.62	21.48	21.49	22.5	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
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	19.5	0.0
100	PI/2 BPSK	1	137	18.11	18.15	18.05		
100	PI/2 BPSK	1	271	18.19	18.26	18.15		
100	PI/2 BPSK	135	0	18.21	18.27	18.10	19.5	0.0
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	19.5	0.0
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	19.5	0.0
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	19.5	0.0
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	19.5	0.0
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	19.5	0.0
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	19.5	0.0
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	19.5	0.0
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	19.5	0.0
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		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.87	16.89	16.66	18.0	0.0
100	PI/2 BPSK	1	137	16.66	16.71	16.62		
100	PI/2 BPSK	1	271	16.68	16.73	16.61		
100	PI/2 BPSK	135	0	16.70	16.76	16.62	18.0	0.0
100	PI/2 BPSK	135	69	16.82	16.88	16.63	18.0	0.0
100	PI/2 BPSK	135	138	16.63	16.68	16.56	18.0	0.0
100	PI/2 BPSK	270	0	16.69	16.85	16.60		
100	QPSK	1	1	16.81	16.84	16.75		
100	QPSK	1	137	16.54	16.62	16.49	18.0	0.0
100	QPSK	1	271	16.63	16.66	16.53		
100	QPSK	135	0	16.75	16.82	16.70		
100	QPSK	135	69	16.66	16.69	16.57	18.0	0.0
100	QPSK	135	138	16.66	16.71	16.59		
100	QPSK	270	0	16.63	16.68	16.59		
100	16QAM	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	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	PI/2 BPSK	1	1	16.57	16.87	16.45	18.0	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	16.79	16.61	16.62	18.0	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	PI/2 BPSK	1	1	16.60	16.64	16.62	18.0	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	16.60	16.76	16.60	18.0	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	16.53	16.71	16.63	18.0	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	PI/2 BPSK	1	1	16.57	16.60	16.45	18.0	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	16.61	16.58	16.41	18.0	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	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			22.5	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	21.75	21.71		22.5	0.0
100	PI/2 BPSK	1	137	21.71	21.65			
100	PI/2 BPSK	1	271	21.65	21.69			
100	PI/2 BPSK	135	0	21.69	21.74		22.5	0.0
100	PI/2 BPSK	135	69	21.74	21.63		22.5	0.0
100	PI/2 BPSK	135	138	21.63	21.72			
100	PI/2 BPSK	270	0	21.72	21.65			
100	QPSK	1	1	21.72	21.63		22.5	0.0
100	QPSK	1	137	21.65	21.73			
100	QPSK	1	271	21.63	21.73			
100	QPSK	135	0	21.73	21.71		22.5	0.0
100	QPSK	135	69	21.71	21.58			
100	QPSK	135	138	21.58	21.49			
100	QPSK	270	0	21.49	21.42		22.5	0.0
100	16QAM	1	1	21.42	20.52		22.5	0.0
100	64QAM	1	1	20.52	18.61		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	22.5	0.0
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	22.5	0.0
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	22.5	0.0
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	22.5	0.0
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	22.5	0.0
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	22.5	0.0
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	22.5	0.0
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	22.5	0.0
20	PI/2 BPSK	1	1	21.62	21.58	21.58	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		
100	PI/2 BPSK	270	0	21.27	21.59	21.50		
100	QPSK	1	1	21.28	21.53	21.49	22.5	0.0
100	QPSK	1	137	21.32	21.55	21.49		
100	QPSK	1	271	21.34	21.61	21.57		
100	QPSK	135	0	21.28	21.51	21.48	22.5	0.0
100	QPSK	135	69	21.30	21.55	21.49		
100	QPSK	135	138	21.36	21.60	21.57		
100	QPSK	270	0	21.20	21.44	21.36	22.5	0.0
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	22.5	0.0
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	22.5	0.0
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	22.5	0.0
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	22.5	0.0
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	22.5	0.0
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	22.5	0.0
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	22.5	0.0
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	22.5	0.0
20	PI/2 BPSK	1	1	21.34	21.58	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			22.5	0.0
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				
100	QPSK	1	137	21.33			22.5	0.0
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				
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	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)
90	PI/2 BPSK	1	1	21.47	21.45	21.49	22.5	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	21.38	21.37	21.42	22.5	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	21.37	21.36	21.39	22.5	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	21.41	21.38	21.44	22.5	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	21.41	21.38	21.42	22.5	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	21.40	21.37	21.43	22.5	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	21.39	21.35	21.43	22.5	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	21.40	21.38	21.40	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				650000			22.5	0.0
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			22.5	0.0
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				
100	QPSK	1	137	21.25			22.5	0.0
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				
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	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	PI/2 BPSK	1	1	21.45	21.50	21.47	22.5	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	21.40	21.42	21.42	22.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	PI/2 BPSK	1	1	21.39	21.42	21.39	22.5	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	21.35	21.43	21.39	22.5	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	21.37	21.44	21.41	22.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	PI/2 BPSK	1	1	21.38	21.40	21.37	22.5	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	21.39	21.42	21.39	22.5	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	21.42	21.37	21.40	22.5	0.0



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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				633000	633334	633666		
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	20.23			21.0	0.0
100	PI/2 BPSK	1	137	20.09				
100	PI/2 BPSK	1	271	20.04				
100	PI/2 BPSK	135	0	20.13			21.0	0.0
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 (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99		
90	PI/2 BPSK	1	1	20.17	20.20	20.21	21.0	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	20.08	20.11	20.13	21.0	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	20.09	20.10	20.14	21.0	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	20.11	20.13	20.15	21.0	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	20.12	20.15	20.12	21.0	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	20.08	20.11	20.16	21.0	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	20.08	20.13	20.12	21.0	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	20.10	20.13	20.16	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	656000	662000		
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	20.00	20.15	20.12	21.0	0.0
100	PI/2 BPSK	1	137	19.90	20.07	20.00		
100	PI/2 BPSK	1	271	19.99	20.13	20.10		
100	PI/2 BPSK	135	0	19.94	20.03	20.00	21.0	0.0
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	19.87	20.12	20.09		
100	QPSK	135	0	19.85	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				
100	QPSK	1	137	20.05			21.0	0.0
100	QPSK	1	271	20.06				
100	QPSK	135	0	20.14				
100	QPSK	135	69	20.11			21.0	0.0
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	MPR
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)
90	PI/2 BPSK	1	1	20.17	20.19	20.15	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	20.10	20.14	20.05	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	20.11	20.14	20.10	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	20.09	20.09	20.06	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	20.07	20.12	20.09	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	20.12	20.13	20.10	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	20.09	20.09	20.08	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	20.09	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				
100	QPSK	1	137	20.00			21.0	0.0
100	QPSK	1	271	20.05				
100	QPSK	135	0	20.10				
100	QPSK	135	69	20.10			21.0	0.0
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	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	PI/2 BPSK	1	1	20.12	20.10	20.08	21.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	20.06	20.05	19.98	21.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	PI/2 BPSK	1	1	20.04	20.05	20.00	21.0	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	20.07	20.02	20.00	21.0	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	20.03	20.01	20.03	21.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	PI/2 BPSK	1	1	20.03	20.01	20.00	21.0	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	20.03	20.05	20.02	21.0	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	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		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	17.16	17.23	17.01	18.0	0.0
20	PI/2 BPSK	1	53	17.15	17.18	16.96		
20	PI/2 BPSK	1	104	17.14	17.21	16.96		
20	PI/2 BPSK	50	0	17.10	17.14	16.96	18.0	0.0
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	PI/2 BPSK	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	16.98		
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		
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	PI/2 BPSK	1	1	17.10	17.15	16.92	18.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	PI/2 BPSK	1	1	17.10	17.14	16.95	18.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	17.07	17.16	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				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	21.38	21.50	21.45	22.5	0.0
20	PI/2 BPSK	1	53	21.29	21.43	21.40		
20	PI/2 BPSK	1	104	21.32	21.37	21.35		
20	PI/2 BPSK	50	0	21.28	21.41	21.36	22.5	0.0
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	PI/2 BPSK	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	PI/2 BPSK	1	1	21.31	21.28	21.33	22.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	PI/2 BPSK	1	1	21.38	21.47	21.15	22.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	21.14	21.28	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				374000	376500	379000		
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	18.0	0.0
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	PI/2 BPSK	1	1	17.21	17.19	17.11		
40	QPSK	1	1	17.21	17.19	17.11	18.0	0.0
40	QPSK	1	108	17.14	17.22	17.07		
40	QPSK	1	214	17.13	17.22	17.08		
40	QPSK	108	0	17.17	17.16	17.14	18.0	0.0
40	QPSK	108	54	17.16	17.19	17.11	18.0	0.0
40	QPSK	108	108	17.12	17.15	17.10	18.0	0.0
40	QPSK	216	0	17.21	17.23	17.12		
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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		
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	22.5	0.0
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	PI/2 BPSK	1	1	21.65	21.75	21.64		
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	22.5	0.0
40	QPSK	108	54	21.62	21.68	21.66	22.5	0.0
40	QPSK	108	108	21.64	21.68	21.73	22.5	0.0
40	QPSK	216	0	21.65	21.71	21.68		
40	QPSK	1	1	21.65	21.65	21.63		
40	16QAM	1	1	20.78	20.85	20.84	21.5	1.0
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	PI/2 BPSK	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				
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				
10	64QAM	1	1		20.55		21.5	0.5	
10	256QAM	1	1		18.56		19.5	2.5	
Channel				461500	462000	462500	22.0	0.0	
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			19.0	0.0	
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				
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				
10	64QAM	1	1		18.10		19.0	0.0	
10	256QAM	1	1		17.92		19.0	0.0	
Channel				461500	462000	462500	17.79	18.03	
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				348000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	17.03	17.15	17.08		
40	PI/2 BPSK	1	108	17.02	17.09	17.00	18.0	0.0
40	PI/2 BPSK	1	214	17.01	17.10	17.03		
40	PI/2 BPSK	108	0	16.99	17.12	17.05	18.0	0.0
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		
40	PI/2 BPSK	216	0	17.00	17.11	17.01	18.0	0.0
40	QPSK	1	1	17.01	17.10	17.00		
40	QPSK	1	108	17.02	17.07	17.00	18.0	0.0
40	QPSK	1	214	17.01	17.08	17.04		
40	QPSK	108	0	17.06	17.09	17.03	18.0	0.0
40	QPSK	108	54	17.03	17.05	17.01	18.0	0.0
40	QPSK	108	108	17.05	17.14	17.04		
40	QPSK	216	0	17.04	17.11	17.05		
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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				
15	PI/2 BPSK	1	40		18.11		19.0	0.0	
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				
15	PI/2 BPSK	75	0		18.06		19.0	0.0	
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		19.0	0.0	
15	QPSK	36	22		18.05		19.0	0.0	
15	QPSK	36	43		18.00				
15	QPSK	75	0		18.06		19.0	0.0	
15	16QAM	1	1		18.10		19.0	0.0	
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	



n2_Ant 1 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				372000	376000	380000			
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	17.0	0.0	
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			
20	PI2 BPSK	100	0	16.14	16.21	16.00	17.0	0.0	
20	QPSK	1	1	16.13	16.18	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	17.0	0.0	
20	QPSK	50	28	16.11	16.17	16.01	17.0	0.0	
20	QPSK	50	56	16.18	16.20	16.09			
20	QPSK	100	0	16.12	16.17	16.10			
20	16QAM	1	1	16.17	16.17	16.00	17.0	0.0	
20	16QAM	1	1	16.15	16.21	16.09	17.0	0.0	
20	256QAM	1	1	16.11	16.16	16.01	17.0	0.0	
Channel				371500	376000	380500			
Frequency (MHz)				1857.5	1880	1902.5			
15	PI2 BPSK	1	1	16.16	16.18	16.00	17.0	0.0	
Channel				371000	375500	381000			
Frequency (MHz)				1855	1880	1905			
10	PI2 BPSK	1	1	16.17	16.15	16.02	17.0	0.0	
Channel				370500	376000	381500			
Frequency (MHz)				1852.5	1880	1907.5			
5	PI2 BPSK	1	1	16.13	16.20	16.02	17.0	0.0	

n2_Ant 2 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				372000	376000	380000			
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	17.70	17.61	19.0	0.0	
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			
20	PI2 BPSK	100	0	17.57	17.69	17.62	19.0	0.0	
20	QPSK	1	1	17.64	17.76	17.61			
20	QPSK	1	53	17.28	17.68	17.60	19.0	0.0	
20	QPSK	1	104	17.61	17.75	17.66			
20	QPSK	50	0	17.61	17.69	17.64	19.0	0.0	
20	QPSK	50	28	17.57	17.68	17.62	19.0	0.0	
20	QPSK	50	56	17.66	17.76	17.59			
20	QPSK	100	0	17.60	17.67	17.66			
20	16QAM	1	1	17.59	17.75	17.66	19.0	0.0	
20	16QAM	1	1	17.60	17.76	17.64	19.0	0.0	
20	256QAM	1	1	17.66	17.69	17.63	19.0	0.0	
Channel				371500	376000	380500			
Frequency (MHz)				1857.5	1880	1902.5			
15	PI2 BPSK	1	1	17.61	17.69	17.61	19.0	0.0	
Channel				371000	375500	381000			
Frequency (MHz)				1855	1880	1905			
10	PI2 BPSK	1	1	17.59	17.72	17.65	19.0	0.0	
Channel				370500	376000	381500			
Frequency (MHz)				1852.5	1880	1907.5			
5	PI2 BPSK	1	1	17.60	17.68	17.64	19.0	0.0	



n25_Ant 1 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								
Frequency (MHz)				376000	376500	376900		
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	16.32	16.35	16.28		
40	PI2 BPSK	1	108	16.31	16.28	16.25	17.0	0.0
40	PI2 BPSK	1	214	16.25	16.34	16.19		
40	PI2 BPSK	108	0	16.26	16.30	16.24	17.0	0.0
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	17.0	0.0
40	QPSK	1	214	16.30	16.30	16.22		
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	16.28	17.0	0.0
40	QPSK	216	0	16.23	16.34	16.18		
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								
Frequency (MHz)				375000	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								
Frequency (MHz)				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1882.5	1882.5	1902.5		
25	PI2 BPSK	1	1	16.06	16.06	16.00	17.0	0.0
Channel								
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1822.5	1905		
20	PI2 BPSK	1	1	16.07	16.05	16.00	17.0	0.0
Channel								
Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	PI2 BPSK	1	1	16.07	16.05	15.98	17.0	0.0
Channel								
Frequency (MHz)				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1845	1882.5	1910		
10	PI2 BPSK	1	1	16.02	16.09	16.03	17.0	0.0
Channel								
Frequency (MHz)				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1829.5	1882.5	1912.5		
5	PI2 BPSK	1	1	16.04	16.09	15.99	17.0	0.0

n25_Ant 2 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								
Frequency (MHz)				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	17.72	17.80	17.77		
40	PI2 BPSK	1	108	17.66	17.71	17.69	19.0	0.0
40	PI2 BPSK	1	214	17.70	17.76	17.75		
40	PI2 BPSK	108	0	17.68	17.76	17.70	19.0	0.0
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	19.0	0.0
40	QPSK	1	214	17.69	17.73	17.74		
40	QPSK	108	0	17.68	17.78	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		
40	16QAM	1	1	17.63	17.76	17.75	19.0	0.0
40	64QAM	1	1	17.62	17.76	17.68	19.0	0.0
40	256QAM	1	1	17.62	17.69	17.65	19.0	0.0
Channel								
Frequency (MHz)				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	PI2 BPSK	1	1	17.63	17.65	17.59	19.0	0.0
Channel								
Frequency (MHz)				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1882.5	1882.5	1902.5		
25	PI2 BPSK	1	1	17.56	17.65	17.59	19.0	0.0
Channel								
Frequency (MHz)				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								
Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	PI2 BPSK	1	1	17.57	17.61	17.61	19.0	0.0
Channel								
Frequency (MHz)				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1845	1882.5	1910		
10	PI2 BPSK	1	1	17.56	17.64	17.62	19.0	0.0
Channel								
Frequency (MHz)				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1829.5	1882.5	1912.5		
5	PI2 BPSK	1	1	17.55	17.64	17.62	19.0	0.0



n30_Ant 7 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				46000				
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			22.0	0.0
10	QPSK	1	1	21.28			22.0	0.0
10	QPSK	1	26	21.25				
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			22.0	0.0
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	22.0	0.0
5	PI2 BPSK	1	1	21.23	21.25	21.22	22.0	0.0

n30_Ant 8 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				46000				
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			15.0	0.0
10	QPSK	1	1	14.03			15.0	0.0
10	QPSK	1	26	14.00				
10	QPSK	1	50	14.02				
10	QPSK	25	0	14.08			15.0	0.0
10	QPSK	25	14	14.02			15.0	0.0
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			15.0	0.0
10	64QAM	1	1	14.01			15.0	0.0
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	15.0	0.0
5	PI2 BPSK	1	1	14.10	13.98	14.09	15.0	0.0



n66_Ant 1 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				340000	349000	352000		
Frequency (MHz)				1720	1745	1760		
40	PI2 BPSK	1	1	15.51	15.60	15.49		
40	PI2 BPSK	1	108	15.50	15.53	15.46	16.5	0.0
40	PI2 BPSK	1	214	15.45	15.53	15.42		
40	PI2 BPSK	108	0	15.45	15.50	15.43	16.5	0.0
40	PI2 BPSK	108	54	15.48	15.58	15.47	16.5	0.0
40	PI2 BPSK	108	108	15.43	15.50	15.42	16.5	0.0
40	PI2 BPSK	216	0	15.41	15.55	15.40		
40	QPSK	1	1	15.49	15.59	15.45		
40	QPSK	1	108	15.50	15.58	15.43	16.5	0.0
40	QPSK	1	214	15.41	15.56	15.43		
40	QPSK	108	0	15.45	15.59	15.46	16.5	0.0
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		
40	16QAM	1	1	15.43	15.54	15.47	16.5	0.0
40	16QAM	1	1	15.40	15.53	15.45	16.5	0.0
40	256QAM	1	1	15.56	15.51	15.52	16.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	15.43	15.53	15.44	16.5	0.0
Channel				349000	353000	357000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	15.42	15.51	15.43	16.5	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI2 BPSK	1	1	15.40	15.51	15.40	15.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI2 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	PI2 BPSK	1	1	15.42	15.54	15.38	16.5	0.0

n66_Ant 2 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				340000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	21.17	21.25	21.09		
40	PI2 BPSK	1	108	21.07	21.20	21.00	22.0	0.0
40	PI2 BPSK	1	214	21.08	21.16	21.05		
40	PI2 BPSK	108	0	21.10	21.18	20.99	22.0	0.0
40	PI2 BPSK	108	54	21.13	21.23	21.05	22.0	0.0
40	PI2 BPSK	108	108	21.11	21.15	21.02	22.0	0.0
40	PI2 BPSK	216	0	21.11	21.22	20.99		
40	QPSK	1	1	21.10	21.18	21.04		
40	QPSK	1	108	21.10	21.22	21.07	22.0	0.0
40	QPSK	1	214	21.07	21.24	21.07		
40	QPSK	108	0	21.13	21.18	21.03	22.0	0.0
40	QPSK	108	54	21.16	21.16	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	21.09		
40	16QAM	1	1	21.13	21.24	21.06	22.0	0.0
40	16QAM	1	1	20.13	20.20	20.07	21.5	0.5
40	256QAM	1	1	18.11	18.20	18.04	19.5	2.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	21.09	21.19	21.02	22.0	0.0
Channel				349000	353000	357000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	21.08	21.18	21.00	22.0	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI2 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	PI2 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	PI2 BPSK	1	1	21.10	21.17	21.02	22.0	0.0

n70_Ant 1 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				340000	349000	352000		
Frequency (MHz)				1702.5				
15	PI2 BPSK	1	1		17.27			
15	PI2 BPSK	1	40		17.21		18.0	0.0
15	PI2 BPSK	1	77		17.23			
15	PI2 BPSK	36	0		17.24		18.0	0.0
15	PI2 BPSK	36	22		17.25		18.0	0.0
15	PI2 BPSK	36	43		17.24		18.0	0.0
15	PI2 BPSK	75	0		17.22		18.0	0.0
15	QPSK	1	1		17.22			
15	QPSK	1	40		17.25		18.0	0.0
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		17.28		18.0	0.0
15	QPSK	75	0		17.17		18.0	0.0
15	16QAM	1	1		17.22		18.0	0.0
15	16QAM	1	1		17.24		18.0	0.0
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	PI2 BPSK	1	1	16.87	16.88	16.89	17.0	0.0
Channel				335000	342000	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	PI2 BPSK	1	1	16.99	16.95	16.91	18.0	0.0



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

BW [MHz]	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	19.63	19.50	19.85	21.0	0.0
100	PV2 BPSK	1	271	19.45	19.41	19.85		
100	PV2 BPSK	135	0	19.83	19.90	19.85	21.0	0.0
100	PV2 BPSK	135	69	19.82	20.05	19.89	21.0	0.0
100	PV2 BPSK	135	135	19.69	19.92	19.88	21.0	0.0
100	PV2 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	19.79	21.0	0.0
100	QPSK	135	135	19.86	19.96	19.82		
100	QPSK	270	0	19.79	19.85	19.85	21.0	0.0
100	16QAM	1	1	19.85	19.92	19.87	21.0	0.0
100	16QAM	1	1	19.78	19.85	19.76	21.0	0.0
100	16QAM	1	1	19.43	19.24	19.50	19.5	1.5
Channel								
Frequency (MHz)								
90	PV2 BPSK	1	1	19.92	19.99	19.79	21.0	0.0
Channel								
Frequency (MHz)								
80	PV2 BPSK	1	1	19.93	19.96	19.79	21.0	0.0
Channel								
Frequency (MHz)								
70	PV2 BPSK	1	1	19.92	19.97	19.76	21.0	0.0
Channel								
Frequency (MHz)								
60	PV2 BPSK	1	1	19.90	19.96	19.76	21.0	0.0
Channel								
Frequency (MHz)								
50	PV2 BPSK	1	1	19.92	19.96	19.75	21.0	0.0
Channel								
Frequency (MHz)								
40	PV2 BPSK	1	1	19.93	19.97	19.79	21.0	0.0
Channel								
Frequency (MHz)								
30	PV2 BPSK	1	1	19.90	19.96	19.77	21.0	0.0
Channel								
Frequency (MHz)								
20	PV2 BPSK	1	1	19.89	19.98	19.75	21.0	0.0

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

BW [MHz]	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	19.98	19.00	19.78		
100	PV2 BPSK	1	137	19.81	19.85	19.72	20.0	0.0
100	PV2 BPSK	1	271	19.77	19.84	19.77		
100	PV2 BPSK	135	0	19.83	19.90	19.87	20.0	0.0
100	PV2 BPSK	135	69	19.85	19.98	19.74	20.0	0.0
100	PV2 BPSK	135	135	19.70	19.75	19.67	20.0	0.0
100	PV2 BPSK	270	0	19.81	19.97	19.73		
100	QPSK	1	1	19.83	19.88	19.84		
100	QPSK	1	137	19.76	19.82	19.78	20.0	0.0
100	QPSK	1	271	19.76	19.83	19.80		
100	QPSK	135	0	19.90	19.94	19.87		
100	QPSK	135	69	19.84	19.88	19.85	20.0	0.0
100	QPSK	135	135	19.72	19.80	19.75		
100	QPSK	270	0	19.77	19.84	19.80	20.0	0.0
100	16QAM	1	1	19.92	19.97	19.90	20.0	0.0
100	16QAM	1	1	19.75	19.79	19.75	20.0	0.0
100	16QAM	1	1	19.50	19.55	19.50	19.5	0.5
Channel								
Frequency (MHz)								
90	PV2 BPSK	1	1	19.93	19.95	19.70	20.0	0.0
Channel								
Frequency (MHz)								
80	PV2 BPSK	1	1	19.91	19.94	19.73	20.0	0.0
Channel								
Frequency (MHz)								
70	PV2 BPSK	1	1	19.93	19.98	19.73	20.0	0.0
Channel								
Frequency (MHz)								
60	PV2 BPSK	1	1	19.92	19.99	19.76	20.0	0.0
Channel								
Frequency (MHz)								
50	PV2 BPSK	1	1	19.88	19.95	19.73	20.0	0.0
Channel								
Frequency (MHz)								
40	PV2 BPSK	1	1	19.90	19.91	19.69	20.0	0.0
Channel								
Frequency (MHz)								
30	PV2 BPSK	1	1	19.91	19.93	19.71	20.0	0.0
Channel								
Frequency (MHz)								
20	PV2 BPSK	1	1	19.93	19.92	19.68	20.0	0.0

n41(FCC)_Ant 9 DS13

BW [MHz]	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	15.36	15.39	15.40	16.5	0.0
100	PV2 BPSK	1	271	15.39	15.47	15.39		
100	PV2 BPSK	135	0	15.46	15.49	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	135	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	15.49	15.56	15.53		
100	QPSK	1	137	15.10	15.17	15.13	16.5	0.0
100	QPSK	1	271	15.23	15.27	15.19		
100	QPSK	135	0	15.29	15.32	15.25		
100	QPSK	135	69	15.24	15.29	15.24	16.5	0.0
100	QPSK	135	135	15.26	15.32	15.29	16.5	0.0
100	QPSK	270	0	15.29	15.37	15.31	16.5	0.0
100	16QAM	1	1	15.57	15.55	15.50	16.5	0.0
100	16QAM	1	1	15.26	15.33	15.26	16.5	0.0
100	16QAM	1	1	15.40	15.43	15.37	15.5	1.0
Channel								
Frequency (MHz)								
90	PV2 BPSK	1	1	15.45	15.47	15.07	15.5	0.0
Channel								
Frequency (MHz)								
80	PV2 BPSK	1	1	15.43	15.49	15.07	15.5	0.0
Channel								
Frequency (MHz)								
70	PV2 BPSK	1	1	15.45	15.48	15.08	15.5	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 DS13 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		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.19	16.24	16.09	17.0	0.0
100	PI/2 BPSK	1	137	16.08	16.11	16.03		
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	16.97	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	16.94	16.01	15.94		
100	QPSK	1	271	16.04	16.07	16.02	17.0	0.0
100	QPSK	135	0	16.07	16.14	16.07		
100	QPSK	135	69	16.06	16.11	16.07		
100	QPSK	135	138	16.02	16.05	15.98		
100	QPSK	270	0	16.97	16.03	16.00	17.0	0.0
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		
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	16.00	16.05	15.90	17.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	16.03	16.04	15.94	17.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	16.01	16.04	15.91	17.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	16.01	16.09	15.89	17.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	16.00	16.09	15.84	17.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	16.02	16.06	15.93	17.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	16.04	16.05	15.91	17.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	16.00	16.09	15.90	17.0	0.0

n41(FCC)_Ant 7 / n41(FCC)_Ant 7(HPUE) DS13 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		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.01	20.07	19.91	21.0	0.0
100	PI/2 BPSK	1	137	19.83	19.90	19.85		
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		
100	QPSK	1	271	19.87	19.90	19.82	21.0	0.0
100	QPSK	135	0	19.85	19.93	19.85		
100	QPSK	135	69	19.79	19.86	19.78		
100	QPSK	135	138	19.86	19.90	19.82		
100	QPSK	270	0	19.79	19.85	19.82	21.0	0.0
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		
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	19.92	19.98	19.79	21.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	19.93	19.96	19.76	21.0	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	19.90	19.99	19.78	21.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	19.90	19.98	19.76	21.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	19.92	19.96	19.75	21.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	19.93	19.97	19.79	21.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	19.90	19.96	19.77	21.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	19.89	19.98	19.75	21.0	0.0



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		
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		
100	PI/2 BPSK	135	0	13.54	13.66	13.59	14.5	0.0
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	14.5	0.0
100	PI/2 BPSK	270	0	13.60	13.70	13.63		
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		
100	QPSK	135	69	13.33	13.45	13.35	14.5	0.0
100	QPSK	135	138	13.57	13.63	13.50		
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	13.60	13.57	13.66	14.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	13.55	13.64	13.50	14.5	0.0

n41(FCC)_Ant 9 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		
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		
100	PI/2 BPSK	135	0	12.92	12.96	12.90	14.0	0.0
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	14.0	0.0
100	PI/2 BPSK	270	0	12.91	13.08	12.88		
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		
100	QPSK	135	69	12.84	12.89	12.81	14.0	0.0
100	QPSK	135	138	12.70	12.77	12.70		
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	13.05	13.06	12.73	14.0	0.0



Part27Q_n77_Ant 4 / Part27Q_n77_Ant 4(HPUE) DSI3

BW [MHz]	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			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				
100	PI/2 BPSK	135	0	12.20			13.0	0.0
100	PI/2 BPSK	135	69	12.22			13.0	0.0
100	PI/2 BPSK	135	138	12.09			13.0	0.0
100	PI/2 BPSK	270	0	12.20				
100	PI/2 BPSK	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				
100	QPSK	135	69	12.17			13.0	0.0
100	QPSK	135	138	12.16				
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	13.0	0.0
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	13.0	0.0
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	13.0	0.0
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	13.0	0.0
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	13.0	0.0
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	13.0	0.0
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	13.0	0.0
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	13.0	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	PI/2 BPSK	1	1	12.18	12.20	12.16	13.0	0.0

Part 270 n77_Ant 4 / Part 270 n77_Ant 4(HPUE) DSI3

BW [MHz]	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		
100	PI/2 BPSK	135	0	12.01	12.08	12.00	13.0	0.0
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	13.0	0.0
100	PI/2 BPSK	270	0	12.02	12.17	12.03		
100	PI/2 BPSK	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		
100	QPSK	135	69	11.97	12.03	11.98	13.0	0.0
100	QPSK	135	138	11.92	11.97	11.92		
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	13.0	0.0
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	13.0	0.0
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	13.0	0.0
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	13.0	0.0
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	13.0	0.0
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	13.0	0.0
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	13.0	0.0
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	13.0	0.0
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	11.97	12.03	11.99	13.0	0.0



Part27Q n78_Ant 4 DSI3

BW [MHz]	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			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				
100	PI/2 BPSK	135	0	11.98			13.0	0.0
100	PI/2 BPSK	135	69	12.00			13.0	0.0
100	PI/2 BPSK	135	138	11.86			13.0	0.0
100	PI/2 BPSK	270	0	12.03				
100	PI/2 BPSK	270	0	12.00				
100	QPSK	1	1	11.81			13.0	0.0
100	QPSK	1	137	11.86				
100	QPSK	1	271	11.81				
100	QPSK	135	0	11.98			13.0	0.0
100	QPSK	135	69	11.95				
100	QPSK	135	138	11.95				
100	QPSK	270	0	12.00			13.0	0.0
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	MPR
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)
90	PI/2 BPSK	1	1	12.00	12.02	11.98	13.0	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	11.90	11.97	11.93	13.0	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	11.92	11.93	11.93	13.0	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	11.95	11.92	11.88	13.0	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	11.90	11.96	11.93	13.0	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	11.95	11.93	11.93	13.0	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	11.90	11.96	11.88	13.0	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	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			13.0	0.0
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				
100	PI/2 BPSK	135	0	11.98			13.0	0.0
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	PI/2 BPSK	270	0	12.05				
100	QPSK	1	1	12.05			13.0	0.0
100	QPSK	1	137	12.04				
100	QPSK	1	271	11.89				
100	QPSK	135	0	11.85			13.0	0.0
100	QPSK	135	69	12.03				
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	MPR
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)
90	PI/2 BPSK	1	1	12.14	12.12	12.13	13.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	12.05	12.04	12.08	13.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	PI/2 BPSK	1	1	12.05	12.02	12.03	13.0	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	12.06	12.07	12.06	13.0	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	12.08	12.05	12.06	13.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	PI/2 BPSK	1	1	12.04	12.02	12.03	13.0	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	12.04	12.05	12.05	13.0	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	12.04	12.06	12.06	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				3500.01				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	9.18			10.0	0.0
100	PI/2 BPSK	1	137	9.01				
100	PI/2 BPSK	1	271	8.94				
100	PI/2 BPSK	135	0	9.08			10.0	0.0
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	PI/2 BPSK	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	9.14	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	9.09	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	9.04	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	9.06	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	9.06	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	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	9.04	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	9.05	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	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	8.93	9.15	9.13	10.0	0.0
100	PI/2 BPSK	1	137	8.82	9.04	9.01		
100	PI/2 BPSK	1	271	8.89	9.08	9.04		
100	PI/2 BPSK	135	0	8.78	8.98	8.91	10.0	0.0
100	PI/2 BPSK	135	69	8.87	9.13	8.99	10.0	0.0
100	PI/2 BPSK	135	138	8.80	9.01	8.93	10.0	0.0
100	PI/2 BPSK	270	0	8.85	9.11	8.97		
100	PI/2 BPSK	1	1	8.84	9.03	8.95		
100	QPSK	1	137	8.73	8.95	8.90	10.0	0.0
100	QPSK	1	271	8.75	8.98	8.94		
100	QPSK	135	0	8.83	9.02	8.97		
100	QPSK	135	69	8.78	8.96	8.93	10.0	0.0
100	QPSK	135	138	8.84	9.05	8.99		
100	QPSK	270	0	8.86	9.04	8.97		
100	16QAM	1	1	8.78	9.00	8.93	10.0	0.0
100	64QAM	1	1	8.63	8.82	8.79	10.0	0.0
100	256QAM	1	1	8.55	8.78	8.72	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	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	9.06	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	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	9.06	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	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	9.03	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	9.06	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	9.05	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							3500.01	
Frequency (MHz)								
100	PI/2 BPSK	1	1	9.02	8.89		10.0	0.0
100	PI/2 BPSK	1	137	8.89	8.82			
100	PI/2 BPSK	1	271	8.82	9.00			
100	PI/2 BPSK	135	0	9.00	9.01		10.0	0.0
100	PI/2 BPSK	135	69	9.01	8.80		10.0	0.0
100	PI/2 BPSK	135	138	8.80	8.94		10.0	0.0
100	PI/2 BPSK	270	0	8.94	8.95		10.0	0.0
100	QPSK	1	1	8.95	8.75			
100	QPSK	1	137	8.75	8.76			
100	QPSK	1	271	8.76	9.01		10.0	0.0
100	QPSK	135	0	9.01	9.00			
100	QPSK	135	69	9.00	8.81			
100	QPSK	135	138	8.81	8.98		10.0	0.0
100	QPSK	270	0	8.98	9.00		10.0	0.0
100	16QAM	1	1	9.00	9.00		10.0	0.0
100	64QAM	1	1	8.89	9.00		10.0	0.0
100	256QAM	1	1	8.76	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	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)								
100	PI/2 BPSK	1	1	9.10	8.95		10.0	0.0
100	PI/2 BPSK	1	137	8.95	8.85			
100	PI/2 BPSK	1	271	8.85	9.02			
100	PI/2 BPSK	135	0	9.02	9.06		10.0	0.0
100	PI/2 BPSK	135	69	9.06	8.82		10.0	0.0
100	PI/2 BPSK	135	138	8.82	9.01		10.0	0.0
100	PI/2 BPSK	270	0	9.01	8.81		10.0	0.0
100	QPSK	1	1	9.01	8.80			
100	QPSK	1	137	8.81	8.80			
100	QPSK	1	271	8.80	9.07		10.0	0.0
100	QPSK	135	0	9.07	9.05			
100	QPSK	135	69	9.05	8.84			
100	QPSK	135	138	8.84	9.04		10.0	0.0
100	QPSK	270	0	9.04	9.07		10.0	0.0
100	16QAM	1	1	9.07	8.93		10.0	0.0
100	64QAM	1	1	8.93	8.90		10.0	0.0
100	256QAM	1	1	8.90	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									
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				
100	PI/2 BPSK	135	0		16.58		17.5	0.0	
100	PI/2 BPSK	135	69		16.69		17.5	0.0	
100	PI/2 BPSK	135	138		16.65		17.5	0.0	
100	PI/2 BPSK	270	0		16.67				
100	PI/2 BPSK	1	1		16.52				
100	QPSK	1	1		16.52		17.5	0.0	
100	QPSK	1	137		16.52				
100	QPSK	1	271		16.68				
100	QPSK	135	0		16.81		17.5	0.0	
100	QPSK	135	69		16.58				
100	QPSK	135	138		16.53				
100	QPSK	270	0		16.52		17.5	0.0	
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	633666	
Frequency (MHz)							3495	3504.99	
90	PI/2 BPSK	1	1		16.68	16.70	16.65	17.5	0.0
Channel							632688	634000	
Frequency (MHz)							3490.02	3500.01	
80	PI/2 BPSK	1	1		16.61	16.60	16.55	17.5	0.0
Channel							632334	634332	
Frequency (MHz)							3485.01	3500.01	
70	PI/2 BPSK	1	1		16.60	16.61	16.57	17.5	0.0
Channel							632000	634666	
Frequency (MHz)							3480	3500.01	
60	PI/2 BPSK	1	1		16.62	16.61	16.60	17.5	0.0
Channel							631668	635000	
Frequency (MHz)							3475.02	3500.01	
50	PI/2 BPSK	1	1		16.59	16.62	16.56	17.5	0.0
Channel							631334	635332	
Frequency (MHz)							3470.01	3500.01	
40	PI/2 BPSK	1	1		16.58	16.62	16.59	17.5	0.0
Channel							631000	635666	
Frequency (MHz)							3465	3500.01	
30	PI/2 BPSK	1	1		16.58	16.64	16.59	17.5	0.0
Channel							630688	636000	
Frequency (MHz)							3460.02	3500.01	
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	662000	
Frequency (MHz)							3750	3840	
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		
100	PI/2 BPSK	135	0		16.58	16.63	16.59	17.5	0.0
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	17.5	0.0
100	PI/2 BPSK	270	0		16.50	16.62	16.54		
100	PI/2 BPSK	1	1		16.46	16.54	16.48		
100	QPSK	1	1		16.43	16.51	16.45	17.5	0.0
100	QPSK	1	137		16.32	16.39	16.34		
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		
100	QPSK	270	0		16.46	16.52	16.46	17.5	0.0
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	660000	
Frequency (MHz)							3745.02	3840	
90	PI/2 BPSK	1	1		16.52	16.60	16.58	17.5	0.0
Channel							649334	660000	
Frequency (MHz)							3740.01	3840	
80	PI/2 BPSK	1	1		16.55	16.58	16.56	17.5	0.0
Channel							649000	660000	
Frequency (MHz)							3735	3840	
70	PI/2 BPSK	1	1		16.53	16.55	16.55	17.5	0.0
Channel							648668	660000	
Frequency (MHz)							3730.02	3840	
60	PI/2 BPSK	1	1		16.55	16.56	16.53	17.5	0.0
Channel							648334	660000	
Frequency (MHz)							3725.01	3840	
50	PI/2 BPSK	1	1		16.56	16.59	16.53	17.5	0.0
Channel							648000	660000	
Frequency (MHz)							3720	3840	
40	PI/2 BPSK	1	1		16.56	16.59	16.55	17.5	0.0
Channel							647668	660000	
Frequency (MHz)							3715.02	3840	
30	PI/2 BPSK	1	1		16.54	16.58	16.54	17.5	0.0
Channel							647334	660000	
Frequency (MHz)							3710.01	3840	
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							3500.01	
Frequency (MHz)								
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				
100	PI/2 BPSK	135	0	16.28			17.5	0.0
100	PI/2 BPSK	135	69	16.35			17.5	0.0
100	PI/2 BPSK	135	138	16.14			17.5	0.0
100	PI/2 BPSK	270	0	16.33				
100	PI/2 BPSK	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				
100	QPSK	135	69	16.31			17.5	0.0
100	QPSK	135	138	16.22				
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3604.98		
90	PI/2 BPSK	1	1	16.32	16.35	16.31	17.5	0.0
Channel				632688	633334	640686	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	641686	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3634.98		
30	PI/2 BPSK	1	1	16.27	16.25	16.22	17.5	0.0
Channel				630688	633334	642686	Tune-up limit (dBm)	MPR (dB)
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)								
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				
100	PI/2 BPSK	135	0	16.46			17.5	0.0
100	PI/2 BPSK	135	69	16.52			17.5	0.0
100	PI/2 BPSK	135	138	16.33			17.5	0.0
100	PI/2 BPSK	270	0	16.44				
100	PI/2 BPSK	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				
100	QPSK	135	69	16.50			17.5	0.0
100	QPSK	135	138	16.39				
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								
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				
100	PI/2 BPSK	135	0	10.74			12.0	0.0
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				
100	QPSK	1	137	10.75			12.0	0.0
100	QPSK	1	271	10.81				
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				
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								
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	10.89	10.81	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		
100	PI/2 BPSK	135	0	10.71	10.75	10.69	12.0	0.0
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	12.0	0.0
100	PI/2 BPSK	270	0	10.76	10.84	10.74		
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		
100	QPSK	135	69	10.76	10.81	10.76	12.0	0.0
100	QPSK	135	138	10.80	10.83	10.78		
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	650000	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	650000	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	650000	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	650000	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	650000	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	650000	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	650000	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	650000	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				
100	PI/2 BPSK	135	0	10.74			12.0	0.0
100	PI/2 BPSK	135	69	10.87			12.0	0.0
100	PI/2 BPSK	135	138	10.80			12.0	0.0
100	PI/2 BPSK	270	0	10.86				
100	PI/2 BPSK	135	138	10.70				
100	QPSK	1	1	10.70			12.0	0.0
100	QPSK	1	137	10.76				
100	QPSK	1	271	10.74				
100	QPSK	135	0	10.85			12.0	0.0
100	QPSK	135	69	10.69				
100	QPSK	135	138	10.70				
100	QPSK	270	0	10.65			12.0	0.0
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	12.0	0.0
Frequency (MHz)				3495	3500.01	3604.98		
90	PI/2 BPSK	1	1	10.85	10.87	10.84	12.0	0.0
Channel				632688	633334	640686	12.0	0.0
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	12.0	0.0
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	12.0	0.0
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	641686	12.0	0.0
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	12.0	0.0
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	12.0	0.0
Frequency (MHz)				3465	3500.01	3634.98		
30	PI/2 BPSK	1	1	10.78	10.82	10.76	12.0	0.0
Channel				630688	633334	642686	12.0	0.0
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			12.0	0.0
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				
100	PI/2 BPSK	135	0	10.74			12.0	0.0
100	PI/2 BPSK	135	69	10.89			12.0	0.0
100	PI/2 BPSK	135	138	10.79			12.0	0.0
100	PI/2 BPSK	270	0	10.84				
100	PI/2 BPSK	1	1	10.71				
100	QPSK	1	1	10.75			12.0	0.0
100	QPSK	1	137	10.72				
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				
100	QPSK	270	0	10.75			12.0	0.0
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	12.0	0.0
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	10.89	10.88	10.85	12.0	0.0
Channel				649334	650000	650666	12.0	0.0
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	12.0	0.0
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	10.79	10.81	10.79	12.0	0.0
Channel				648668	650000	651332	12.0	0.0
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	10.82	10.82	10.79	12.0	0.0
Channel				648334	650000	651666	12.0	0.0
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	10.80	10.80	10.77	12.0	0.0
Channel				648000	650000	652000	12.0	0.0
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	10.80	10.81	10.75	12.0	0.0
Channel				647668	650000	652332	12.0	0.0
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	10.82	10.83	10.78	12.0	0.0
Channel				647334	650000	652666	12.0	0.0
Frequency (MHz)				3710.01	3750	3789.99		
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							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						
100	PI/2 BPSK	135	138	7.66						
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						
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							9.0	0.0		
Frequency (MHz)				633000 633334 633666						
Channel							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							9.0	0.0		
Frequency (MHz)				632668 633334 634000						
80	PI/2 BPSK	1	1	7.53	7.56	7.50	9.0	0.0		
Channel							9.0	0.0		
Frequency (MHz)				632334 633334 634332						
Channel							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							9.0	0.0		
Frequency (MHz)				632000 633334 634666						
Channel							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							9.0	0.0		
Frequency (MHz)				631668 633334 635000						
Channel							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							9.0	0.0		
Frequency (MHz)				631334 633334 635332						
Channel							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							9.0	0.0		
Frequency (MHz)				631000 633334 635666						
Channel							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							9.0	0.0		
Frequency (MHz)				630668 633334 636000						
Channel							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							9.0	0.0		
Frequency (MHz)				650000 656000 662000						
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				
100	PI/2 BPSK	135	138	7.72	7.78	7.69				
100	PI/2 BPSK	270	0	7.73	7.91	7.88				
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				
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							9.0	0.0		
Frequency (MHz)				649668 656000 662332						
Channel							9.0	0.0		
Frequency (MHz)				3745.02 3840 3934.98						
90	PI/2 BPSK	1	1	7.77	7.87	7.83	9.0	0.0		
Channel							9.0	0.0		
Frequency (MHz)				649334 656000 662666						
80	PI/2 BPSK	1	1	7.79	7.88	7.78	9.0	0.0		
Channel							9.0	0.0		
Frequency (MHz)				649000 656000 663000						
Channel							9.0	0.0		
Frequency (MHz)				3735 3840 3945						
70	PI/2 BPSK	1	1	7.78	7.91	7.81	9.0	0.0		
Channel							9.0	0.0		
Frequency (MHz)				648668 656000 663332						
Channel							9.0	0.0		
Frequency (MHz)				3730.02 3840 3949.98						
60	PI/2 BPSK	1	1	7.76	7.90	7.82	9.0	0.0		
Channel							9.0	0.0		
Frequency (MHz)				648334 656000 663666						
Channel							9.0	0.0		
Frequency (MHz)				3725.01 3840 3954.99						
50	PI/2 BPSK	1	1	7.77	7.89	7.78	9.0	0.0		
Channel							9.0	0.0		
Frequency (MHz)				648000 656000 664000						
Channel							9.0	0.0		
Frequency (MHz)				3720 3840 3960						
40	PI/2 BPSK	1	1	7.78	7.87	7.78	9.0	0.0		
Channel							9.0	0.0		
Frequency (MHz)				647668 656000 664332						
Channel							9.0	0.0		
Frequency (MHz)				3715.02 3840 3964.98						
30	PI/2 BPSK	1	1	7.77	7.86	7.82	9.0	0.0		
Channel							9.0	0.0		
Frequency (MHz)				647334 656000 664666						
Channel							9.0	0.0		
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	7.59		9.0	0.0
100	PI/2 BPSK	1	137	7.67				
100	PI/2 BPSK	1	271	7.62				
100	PI/2 BPSK	135	0	7.67			9.0	0.0
100	PI/2 BPSK	135	69	7.57			9.0	0.0
100	PI/2 BPSK	135	138	7.60			9.0	0.0
100	PI/2 BPSK	270	0	7.40			9.0	0.0
100	QPSK	1	1	7.54				
100	QPSK	1	137	7.62				
100	QPSK	1	271	7.62			9.0	0.0
100	QPSK	135	0	7.62				
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				
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				632688	633334	640686	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	641686	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				630688	633334	642686	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	7.70		9.0	0.0
100	PI/2 BPSK	1	137	7.70				
100	PI/2 BPSK	1	271	7.66				
100	PI/2 BPSK	135	0	7.61			9.0	0.0
100	PI/2 BPSK	135	69	7.65			9.0	0.0
100	PI/2 BPSK	135	138	7.53			9.0	0.0
100	PI/2 BPSK	270	0	7.57				
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				
100	QPSK	135	69	7.55			9.0	0.0
100	QPSK	135	138	7.65				
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	9.0	0.0
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	9.0	0.0
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	9.0	0.0
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	9.0	0.0
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	9.0	0.0
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	9.0	0.0
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	9.0	0.0
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	9.0	0.0
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								
Frequency (MHz)				633334				
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				
100	PI/2 BPSK	135	0	14.96			16.0	0.0
100	PI/2 BPSK	135	69	15.00			16.0	0.0
100	PI/2 BPSK	135	138	14.85			16.0	0.0
100	PI/2 BPSK	270	0	14.98				
100	PI/2 BPSK	270	1	14.85				
100	QPSK	1	1	14.85			16.0	0.0
100	QPSK	1	137	14.88				
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				
100	QPSK	270	0	14.87			16.0	0.0
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								
Frequency (MHz)				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99		
90	PI/2 BPSK	1	1	14.97	15.02	15.02	16.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	PI/2 BPSK	1	1	14.90	14.99	15.02	16.0	0.0
Channel								
Frequency (MHz)				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98		
70	PI/2 BPSK	1	1	14.80	14.84	14.96	16.0	0.0
Channel								
Frequency (MHz)				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99		
60	PI/2 BPSK	1	1	14.81	14.98	14.96	16.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	PI/2 BPSK	1	1	14.95	14.91	14.84	16.0	0.0
Channel								
Frequency (MHz)				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98		
40	PI/2 BPSK	1	1	14.94	14.91	14.96	16.0	0.0
Channel								
Frequency (MHz)				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3534.99		
30	PI/2 BPSK	1	1	14.79	14.97	14.91	16.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	PI/2 BPSK	1	1	14.88	14.96	14.97	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								
Frequency (MHz)				650000	656000	662000	Tune-up limit (dBm)	MPR (dB)
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		
100	PI/2 BPSK	135	0	14.90	14.85	14.70	16.0	0.0
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	16.0	0.0
100	PI/2 BPSK	270	0	14.90	15.00	14.78		
100	PI/2 BPSK	270	1	14.85	14.82	14.62		
100	QPSK	1	1	14.85	14.82	14.62	16.0	0.0
100	QPSK	1	137	14.75	14.69	14.59		
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		
100	QPSK	270	0	14.93	14.86	14.79	16.0	0.0
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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	14.94	14.95	14.86	16.0	0.0
Channel								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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							3500.01	16.0	0.0						
Frequency (MHz)															
100	PI/2 BPSK	1	1	14.95	14.74		16.0	0.0							
100	PI/2 BPSK	1	137	14.74	14.84										
100	PI/2 BPSK	1	271	14.84	14.82										
100	PI/2 BPSK	135	0	14.82	14.88										
100	PI/2 BPSK	135	69	14.88	14.75										
100	PI/2 BPSK	135	138	14.75	14.74										
100	PI/2 BPSK	270	0	14.87	14.80										
100	QPSK	1	1	14.74	14.87										
100	QPSK	1	137	14.80	14.87										
100	QPSK	1	271	14.87	14.89										
100	QPSK	135	0	14.89	14.84		16.0	0.0							
100	QPSK	135	69	14.84	14.78										
100	QPSK	135	138	14.78	14.66										
100	QPSK	270	0	14.66	14.78										
100	16QAM	1	1	14.62	14.60										
100	64QAM	1	1	14.24	15.5	0.5									
100	256QAM	1	1	12.32	13.5	2.5									
Channel									633000	16.0	0.0				
Frequency (MHz)															
90	PI/2 BPSK	1	1	14.83	14.91	14.86			16.0	0.0					
Channel							3490.02	16.0			0.0				
Frequency (MHz)															
80	PI/2 BPSK	1	1	14.82	14.83	14.77	16.0	0.0							
Channel											632688	16.0	0.0		
Frequency (MHz)															
70	PI/2 BPSK	1	1	14.77	14.93	14.78					16.0	0.0			
Channel													632234	16.0	0.0
Frequency (MHz)															
60	PI/2 BPSK	1	1	14.76	14.91	14.83							16.0	0.0	
Channel									632000	16.0					0.0
Frequency (MHz)															
50	PI/2 BPSK	1	1	14.93	14.93	14.75			16.0	0.0					
Channel							631668	16.0							0.0
Frequency (MHz)															
40	PI/2 BPSK	1	1	14.89	14.90	14.92	16.0	0.0							
Channel											631000	16.0			0.0
Frequency (MHz)															
30	PI/2 BPSK	1	1	14.92	14.75	14.85					16.0	0.0			
Channel													630688	16.0	0.0
Frequency (MHz)															
20	PI/2 BPSK	1	1	14.82	14.84	14.82							16.0	0.0	
Channel									630000	16.0					0.0
Frequency (MHz)															

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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	16.0	0.0						
Frequency (MHz)															
100	PI/2 BPSK	1	1	14.96	14.77		16.0	0.0							
100	PI/2 BPSK	1	137	14.77	14.66										
100	PI/2 BPSK	1	271	14.66	14.80										
100	PI/2 BPSK	135	0	14.80	14.95										
100	PI/2 BPSK	135	69	14.95	14.77										
100	PI/2 BPSK	135	138	14.77	14.89										
100	PI/2 BPSK	270	0	14.89	14.70										
100	QPSK	1	1	14.70	14.86										
100	QPSK	1	137	14.86	14.66										
100	QPSK	1	271	14.66	14.78										
100	QPSK	135	0	14.78	14.64		16.0	0.0							
100	QPSK	135	69	14.64	14.87										
100	QPSK	135	138	14.87	14.60										
100	QPSK	270	0	14.60	14.90										
100	16QAM	1	1	14.90	14.15	15.5									
100	64QAM	1	1	14.15	12.24	13.5									
100	256QAM	1	1	12.24	14.96	15.0332									
Channel									649668	16.0	0.0				
Frequency (MHz)															
90	PI/2 BPSK	1	1	14.83	14.91	14.81			16.0	0.0					
Channel							649334	16.0			0.0				
Frequency (MHz)															
80	PI/2 BPSK	1	1	14.79	14.89	14.91	16.0	0.0							
Channel											649000	16.0	0.0		
Frequency (MHz)															
70	PI/2 BPSK	1	1	14.82	14.84	14.75					16.0	0.0			
Channel													648668	16.0	0.0
Frequency (MHz)															
60	PI/2 BPSK	1	1	14.87	14.81	14.93							16.0	0.0	
Channel									648334	16.0					0.0
Frequency (MHz)															
50	PI/2 BPSK	1	1	14.76	14.88	14.87			16.0	0.0					
Channel							648000	16.0							0.0
Frequency (MHz)															
40	PI/2 BPSK	1	1	14.83	14.78	14.86	16.0	0.0							
Channel											647668	16.0			0.0
Frequency (MHz)															
30	PI/2 BPSK	1	1	14.76	14.86	14.84					16.0	0.0			
Channel													647334	16.0	0.0
Frequency (MHz)															
20	PI/2 BPSK	1	1	14.85	14.90	14.92							16.0	0.0	
Channel									647000	16.0					0.0
Frequency (MHz)															



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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		
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		
20	PI/2 BPSK	50	0	20.69	20.96	20.90	22.0	0.0
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	22.0	0.0
20	PI/2 BPSK	100	0	20.75	21.00	20.92		
20	PI/2 BPSK	1	1	20.70	20.92	20.86		
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	22.0	0.0
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	QPSK	1	1	20.67	20.99	20.89		
20	16QAM	1	1	20.22	20.47	20.36	21.5	0.5
20	64QAM	1	1	18.20	18.49	18.34	19.5	2.5
20	256QAM	1	1	18.20	18.49	18.34	19.5	2.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	PI/2 BPSK	1	1	20.76	20.93	20.88	22.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
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		
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		
20	PI/2 BPSK	50	0	21.71	21.92	21.74	23.0	0.0
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	23.0	0.0
20	PI/2 BPSK	100	0	21.85	22.10	21.95		
20	PI/2 BPSK	1	1	21.74	21.91	21.74		
20	QPSK	1	1	21.74	21.91	21.74	23.0	0.0
20	QPSK	1	53	21.89	21.86	21.87		
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	23.0	0.0
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	QPSK	1	1	21.71	21.94	21.76		
20	16QAM	1	1	20.30	20.38	20.34	21.5	1.5
20	64QAM	1	1	18.21	18.47	18.36	19.5	3.5
20	256QAM	1	1	18.21	18.47	18.36	19.5	3.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	PI/2 BPSK	1	1	21.89	22.00	21.94	23.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
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		
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	22.0	0.0
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	22.0	0.0
40	QPSK	1	214	20.77	20.88	20.85		
40	QPSK	108	0	20.98	21.06	21.01		
40	QPSK	108	54	20.90	21.00	20.92	22.0	0.0
40	QPSK	108	108	20.92	20.96	20.86	22.0	0.0
40	QPSK	216	0	20.93	21.05	20.93		
40	16QAM	1	1	21.09	21.10	21.07		
40	64QAM	1	1	20.50	20.57	20.50	21.5	0.5
40	256QAM	1	1	18.72	18.84	18.82	19.5	2.5
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	PI/2 BPSK	1	1	21.02	21.11	20.98	22.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
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		
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	23.0	0.0
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	23.0	0.0
40	QPSK	1	214	22.14	22.26	22.16		
40	QPSK	108	0	22.20	22.29	22.25		
40	QPSK	108	54	22.17	22.18	22.17	23.0	0.0
40	QPSK	108	108	22.08	22.17	22.05	23.0	0.0
40	QPSK	216	0	22.21	22.22	22.12		
40	16QAM	1	1	21.91	21.94	21.90		
40	64QAM	1	1	20.83	20.86	20.83	21.5	1.5
40	256QAM	1	1	18.79	18.83	18.75	19.5	3.5
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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				
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	PI/2 BPSK	1	1		22.67			
10	QPSK	1	26		22.66		23.5	0.0
10	QPSK	1	50		22.88			
10	QPSK	25	0		22.40			
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			
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	22.58	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	PI/2 BPSK	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			
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			
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		
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	21.5	0.0
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	21.5	0.0
40	QPSK	1	214	20.44	20.50	20.45		
40	QPSK	108	0	20.43	20.58	20.46		
40	QPSK	108	54	20.45	20.58	20.43	21.5	0.0
40	QPSK	108	108	20.41	20.55	20.39	21.5	0.0
40	QPSK	216	0	20.40	20.59	20.49		
40	16QAM	1	1	20.45	20.51	20.42		
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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		23.0	0.0
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		23.0	0.0
15	QPSK	1	77		22.09			
15	QPSK	36	0		22.07			
15	QPSK	36	22		22.13		23.0	0.0
15	QPSK	36	43		22.07		23.0	0.0
15	QPSK	75	0		22.11		23.0	0.0
15	16QAM	1	1		22.13			
15	64QAM	1	1		20.40			
	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



n2_Ant 1 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				372000	376000	380000		
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		
20	PI/2 BPSK	50	0	20.69	20.96	20.90	22.0	0.0
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	22.0	0.0
20	PI/2 BPSK	100	0	20.75	20.96	20.92		
20	PI/2 BPSK	1	1	20.70	20.92	20.86		
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	22.0	0.0
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	QPSK	1	1	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	21.5	0.5
20	256QAM	1	1	18.20	18.49	18.34	19.5	2.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	PI/2 BPSK	1	1	20.76	20.93	20.88	22.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	20.93	21.00	20.84	22.0	0.0

n2_Ant 2 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				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	18.57	18.67	18.60	19.5	0.0
20	PI/2 BPSK	1	53	18.30	18.45	18.49		
20	PI/2 BPSK	1	104	18.37	18.60	18.43		
20	PI/2 BPSK	50	0	18.27	18.60	18.33	19.5	0.0
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	19.5	0.0
20	PI/2 BPSK	100	0	18.47	18.59	18.52		
20	PI/2 BPSK	1	1	18.52	18.53	18.36		
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	19.5	0.0
20	QPSK	50	56	18.52	18.59	18.38	19.5	0.0
20	QPSK	100	0	18.48	18.61	18.35		
20	QPSK	1	1	18.35	18.57	18.55		
20	16QAM	1	1	18.35	18.57	18.55	19.5	0.0
20	64QAM	1	1	18.56	18.47	18.45	19.5	0.0
20	256QAM	1	1	18.55	18.63	18.59	19.5	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	PI/2 BPSK	1	1	18.50	18.63	18.53	19.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	PI/2 BPSK	1	1	18.57	18.55	18.44	19.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	18.50	18.56	18.37	19.5	0.0



n25_Ant 1 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				374000	376500	379000		
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	22.0	0.0
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	PI/2 BPSK	1	1	21.11	21.13	21.00		
40	QPSK	1	1	21.11	21.13	21.00	22.0	0.0
40	QPSK	1	108	20.79	20.93	20.79		
40	QPSK	1	214	20.77	20.88	20.85		
40	QPSK	108	0	20.96	21.06	21.01	22.0	0.0
40	QPSK	108	54	20.90	21.00	20.92	22.0	0.0
40	QPSK	108	108	20.92	20.96	20.86	22.0	0.0
40	QPSK	216	0	20.93	21.05	20.93		
40	16QAM	1	1	21.09	21.10	21.07		
40	64QAM	1	1	20.50	20.57	20.50	21.5	0.5
40	256QAM	1	1	18.72	18.84	18.82	19.5	2.5
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	PI/2 BPSK	1	1	21.09	21.12	21.03	22.0	0.0

n25_Ant 2 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				374000	376500	379000		
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	19.5	0.0
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	PI/2 BPSK	1	1	18.62	18.61	18.64		
40	QPSK	1	1	18.62	18.61	18.64	19.5	0.0
40	QPSK	1	108	18.56	18.64	18.66		
40	QPSK	1	214	18.58	18.63	18.64		
40	QPSK	108	0	18.56	18.62	18.58	19.5	0.0
40	QPSK	108	54	18.52	18.61	18.66	19.5	0.0
40	QPSK	108	108	18.53	18.62	18.67	19.5	0.0
40	QPSK	216	0	18.53	18.60	18.64		
40	16QAM	1	1	18.53	18.60	18.65		
40	64QAM	1	1	18.52	18.60	18.59	19.5	0.0
40	256QAM	1	1	18.52	18.59	18.55	19.5	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	PI/2 BPSK	1	1	18.55	18.64	18.62	19.5	0.0



n30_Ant 7 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				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		23.5	0.0
10	PI/2 BPSK	25	0		22.53			
10	PI/2 BPSK	25	14		22.75		23.5	0.0
10	PI/2 BPSK	25	27		22.55			
10	PI/2 BPSK	50	0		22.73		23.5	0.0
10	QPSK	1	1		22.67			
10	QPSK	1	26		22.66		23.5	0.0
10	QPSK	1	50		22.88			
10	QPSK	25	0		22.40		23.0	0.5
10	QPSK	25	14		22.53			
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			
10	256QAM	1	1		18.97		19.5	4.0
Channel				461500	462000	462500		
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			18.5	0.0
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		18.5	0.0
10	PI/2 BPSK	25	0		17.56			
10	PI/2 BPSK	25	14		17.65		18.5	0.0
10	PI/2 BPSK	25	27		17.28			
10	PI/2 BPSK	50	0		17.63		18.5	0.0
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			
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			
10	256QAM	1	1		17.46		18.5	0.0
Channel				461500	462000	462500		
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 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				346000	349000	352000		
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	21.5	0.0
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	PI/2 BPSK	1	1	20.48	20.52	20.47		
40	QPSK	1	108	20.48	20.56	20.49	21.5	0.0
40	QPSK	1	1	20.44	20.50	20.45		
40	QPSK	1	214	20.44	20.50	20.45		
40	QPSK	108	0	20.43	20.58	20.46	21.5	0.0
40	QPSK	108	54	20.45	20.58	20.43	21.5	0.0
40	QPSK	108	108	20.41	20.55	20.39	21.5	0.0
40	QPSK	216	0	20.40	20.59	20.49		
40	16QAM	1	1	20.45	20.51	20.42		
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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		22.02			
15	PI/2 BPSK	1	77		22.00			
15	PI/2 BPSK	36	0		22.02		23.0	0.0
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	PI/2 BPSK	1	1		21.95			
15	QPSK	1	40		22.03		23.0	0.0
15	QPSK	1	77		21.99			
15	QPSK	36	0		21.97			
15	QPSK	36	22		22.03		23.0	0.0
15	QPSK	36	43		21.97		23.0	0.0
15	QPSK	75	0		22.01			
15	16QAM	1	1		22.03			
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		
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		
100	PI/2 BPSK	135	0	21.95	22.20	22.13	23.0	0.0
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	23.0	0.0
100	PI/2 BPSK	270	0	22.13	22.20	22.05		
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		
100	QPSK	135	69	21.95	22.06	22.13	23.0	0.0
100	QPSK	135	138	21.89	22.16	21.90		
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		
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		
Frequency (MHz)				2530.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	22.19	22.24	22.14	23.0	0.0
Channel				506202	518598	531000		
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		
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		
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		
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		
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		
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		
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		
100	PI/2 BPSK	135	0	21.55	21.62	21.55	22.5	0.0
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	22.5	0.0
100	PI/2 BPSK	270	0	21.60	21.70	21.56		
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		
100	QPSK	135	69	21.63	21.72	21.63	22.5	0.0
100	QPSK	135	138	21.59	21.65	21.52		
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		
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		
Frequency (MHz)				2530.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	21.65	21.58	21.57	22.5	0.0
Channel				506202	518598	531000		
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		
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		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	21.52	21.50	21.63	22.5	0.0
Channel				503202	518598	534000		
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		
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		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	21.50	21.58	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		
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		
100	PI/2 BPSK	135	0	21.95	22.20	22.13	23.0	0.0
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	23.0	0.0
100	PI/2 BPSK	270	0	22.13	22.20	22.05		
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		
100	QPSK	135	69	21.95	22.06	22.13	23.0	0.0
100	QPSK	135	138	21.89	22.16	21.90		
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	22.19	22.24	22.14	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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		
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		
100	PI/2 BPSK	135	0	18.65	18.65	18.52	19.5	0.0
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	19.5	0.0
100	PI/2 BPSK	270	0	18.65	18.68	18.52		
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		
100	QPSK	135	69	18.64	18.61	18.61	19.5	0.0
100	QPSK	135	138	18.67	18.62	18.64		
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	18.55	18.64	18.50	19.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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				633000	633334	633666		
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				
100	PI/2 BPSK	135	0	16.71			17.5	0.0
100	PI/2 BPSK	135	69	16.75			17.5	0.0
100	PI/2 BPSK	135	138	16.51			17.5	0.0
100	PI/2 BPSK	270	0	16.72				
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				
100	QPSK	135	69	16.71			17.5	0.0
100	QPSK	135	138	16.58				
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

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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	16.45	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		
100	PI/2 BPSK	135	0	16.36	16.74	16.61	17.5	0.0
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		
100	QPSK	1	137	16.36	16.73	16.59	17.5	0.0
100	QPSK	1	271	16.38	16.76	16.61		
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		
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



Part27Q n78_Ant 4 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								
Frequency (MHz)				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	16.80	16.44		17.5	0.0
100	PI/2 BPSK	1	137	16.48				
100	PI/2 BPSK	1	271	16.53			17.5	0.0
100	PI/2 BPSK	135	0	16.58				
100	PI/2 BPSK	135	69	16.38			17.5	0.0
100	PI/2 BPSK	135	138	16.47				
100	PI/2 BPSK	270	0	16.55			17.5	0.0
100	QPSK	1	1	16.52			17.5	0.0
100	QPSK	1	137	16.41				
100	QPSK	1	271	16.50			17.5	0.0
100	QPSK	135	0	16.53				
100	QPSK	135	69	16.44			17.5	0.0
100	QPSK	135	138	16.47				
100	QPSK	270	0	16.48			17.5	0.0
100	16QAM	1	1	16.45			17.5	0.0
100	64QAM	1	1	16.48			17.5	0.0
100	256QAM	1	1	16.48			17.5	0.0
Channel								
Frequency (MHz)				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								
Frequency (MHz)				632688	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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				630688	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								
Frequency (MHz)				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	16.85	16.36		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			17.5	0.0
100	QPSK	1	137	16.45				
100	QPSK	1	271	16.55			17.5	0.0
100	QPSK	135	0	16.44				
100	QPSK	135	69	16.45			17.5	0.0
100	QPSK	135	138	16.41				
100	QPSK	270	0	16.44			17.5	0.0
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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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								
Frequency (MHz)				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



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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	13.67			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	14.5	0.0
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	14.5	0.0
Frequency (MHz)				3480.02	3500.01	3510		
80	PI/2 BPSK	1	1	13.64	13.61	13.53	14.5	0.0
Channel				632334	633334	634332	14.5	0.0
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	14.5	0.0
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	14.5	0.0
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	14.5	0.0
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	14.5	0.0
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	14.5	0.0
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			14.5	0.0
Frequency (MHz)				3750				
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	14.5	0.0
100	PI/2 BPSK	135	0	13.39	13.49	13.62		
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		
100	PI/2 BPSK	270	0	13.36	13.60	13.57	14.5	0.0
100	QPSK	1	1	13.44	13.54	13.59		
100	QPSK	1	137	13.48	13.51	13.57	14.5	0.0
100	QPSK	1	271	13.41	13.53	13.56		
100	QPSK	135	0	13.46	13.45	13.57	14.5	0.0
100	QPSK	135	69	13.30	13.47	13.60		
100	QPSK	135	138	13.32	13.44	13.59	14.5	0.0
100	QPSK	270	0	13.35	13.46	13.58		
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	656000	662332	14.5	0.0
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	13.31	13.55	13.52	14.5	0.0
Channel				649334	656000	662666	14.5	0.0
Frequency (MHz)				3740.01	3840	3938.99		
80	PI/2 BPSK	1	1	13.39	13.61	13.56	14.5	0.0
Channel				649000	656000	663000	14.5	0.0
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	13.28	13.47	13.48	14.5	0.0
Channel				648668	656000	663332	14.5	0.0
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	656000	663666	14.5	0.0
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	656000	664000	14.5	0.0
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	13.38	13.53	13.46	14.5	0.0
Channel				647668	656000	664332	14.5	0.0
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	656000	664666	14.5	0.0
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	13.36	13.63	13.45	14.5	0.0



Part27Q 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							14.5	0.0		
Frequency (MHz)				633334						
Channel							14.5	0.0		
Frequency (MHz)				3500.01						
100	PI/2 BPSK	1	1	13.55	13.53		14.5	0.0		
100	PI/2 BPSK	1	137	13.50						
100	PI/2 BPSK	1	271	13.50						
100	PI/2 BPSK	135	0	13.50			14.5	0.0		
100	PI/2 BPSK	135	69	13.53						
100	PI/2 BPSK	135	138	13.48						
100	PI/2 BPSK	270	0	13.48			14.5	0.0		
100	QPSK	1	1	13.38						
100	QPSK	1	137	13.50						
100	QPSK	1	271	13.52			14.5	0.0		
100	QPSK	135	0	13.41						
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						
100	64QAM	1	1	13.47			14.5	0.0		
100	256QAM	1	1	13.17						
Channel									14.5	0.0
Frequency (MHz)				633000						
Channel							14.5	0.0		
Frequency (MHz)				3495						
90	PI/2 BPSK	1	1	13.29	13.42	13.41	14.5	0.0		
Channel									14.5	0.0
Frequency (MHz)				632668						
Channel							14.5	0.0		
Frequency (MHz)				3490.02						
80	PI/2 BPSK	1	1	13.37	13.32	13.36	14.5	0.0		
Channel									14.5	0.0
Frequency (MHz)				632234						
Channel							14.5	0.0		
Frequency (MHz)				3485.01						
70	PI/2 BPSK	1	1	13.40	13.36	13.43	14.5	0.0		
Channel									14.5	0.0
Frequency (MHz)				632000						
Channel							14.5	0.0		
Frequency (MHz)				3480						
60	PI/2 BPSK	1	1	13.39	13.39	13.42	14.5	0.0		
Channel									14.5	0.0
Frequency (MHz)				631668						
Channel							14.5	0.0		
Frequency (MHz)				3475.02						
50	PI/2 BPSK	1	1	13.07	13.28	13.25	14.5	0.0		
Channel									14.5	0.0
Frequency (MHz)				631334						
Channel							14.5	0.0		
Frequency (MHz)				3470.01						
40	PI/2 BPSK	1	1	13.34	13.27	13.33	14.5	0.0		
Channel									14.5	0.0
Frequency (MHz)				631000						
Channel							14.5	0.0		
Frequency (MHz)				3465						
30	PI/2 BPSK	1	1	13.42	13.35	13.43	14.5	0.0		
Channel									14.5	0.0
Frequency (MHz)				630668						
Channel							14.5	0.0		
Frequency (MHz)				3460.02						
20	PI/2 BPSK	1	1	13.34	13.42	13.44	14.5	0.0		
Channel									14.5	0.0
Frequency (MHz)				630000						

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							14.5	0.0		
Frequency (MHz)				650000						
Channel							14.5	0.0		
Frequency (MHz)				3750						
100	PI/2 BPSK	1	1	13.56	13.56		14.5	0.0		
100	PI/2 BPSK	1	137	13.46						
100	PI/2 BPSK	1	271	13.34						
100	PI/2 BPSK	135	0	13.38			14.5	0.0		
100	PI/2 BPSK	135	69	13.41						
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						
100	QPSK	1	271	13.37			14.5	0.0		
100	QPSK	135	0	13.45						
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						
100	64QAM	1	1	13.55			14.5	0.0		
100	256QAM	1	1	13.26						
Channel									14.5	0.0
Frequency (MHz)				649668						
Channel							14.5	0.0		
Frequency (MHz)				3745.02						
90	PI/2 BPSK	1	1	13.51	13.44	13.51	14.5	0.0		
Channel									14.5	0.0
Frequency (MHz)				649334						
Channel							14.5	0.0		
Frequency (MHz)				3740.01						
80	PI/2 BPSK	1	1	13.49	13.54	13.38	14.5	0.0		
Channel									14.5	0.0
Frequency (MHz)				649000						
Channel							14.5	0.0		
Frequency (MHz)				3735						
70	PI/2 BPSK	1	1	13.39	13.37	13.41	14.5	0.0		
Channel									14.5	0.0
Frequency (MHz)				648668						
Channel							14.5	0.0		
Frequency (MHz)				3730.02						
60	PI/2 BPSK	1	1	13.46	13.46	13.47	14.5	0.0		
Channel									14.5	0.0
Frequency (MHz)				648334						
Channel							14.5	0.0		
Frequency (MHz)				3725.01						
50	PI/2 BPSK	1	1	13.48	13.50	13.36	14.5	0.0		
Channel									14.5	0.0
Frequency (MHz)				648000						
Channel							14.5	0.0		
Frequency (MHz)				3720						
40	PI/2 BPSK	1	1	13.41	13.52	13.48	14.5	0.0		
Channel									14.5	0.0
Frequency (MHz)				647668						
Channel							14.5	0.0		
Frequency (MHz)				3715.02						
30	PI/2 BPSK	1	1	13.54	13.47	13.45	14.5	0.0		
Channel									14.5	0.0
Frequency (MHz)				647334						
Channel							14.5	0.0		
Frequency (MHz)				3710.01						
20	PI/2 BPSK	1	1	13.46	13.37	13.51	14.5	0.0		
Channel									14.5	0.0
Frequency (MHz)				647000						



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	5.50			
	CH 78	2480	10.50	10.50	10.60	5.4	5.40	5.50	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



Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.



RF exposure position										Average Value of Time Sweep (W/kg)										
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	0	20	40	60	80	100	120	140	160	180	200
WCDMA V	RMC 12.2kbps	DS2 (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
WCDMA IV	RMC 12.2kbps	DS2 (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
WCDMA II	RMC 12.2kbps	DS2 (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
LTE Band 71	20M-QPSK	DS2 (Full)	133322	683	1	99	Right Cheek	0mm	0.145	0	0.115	0	0	0	0	0	0.116	0	0	0
LTE Band 12	10M-QPSK	DS2 (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
LTE Band 13	10M-QPSK	DS2 (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
LTE Band 14	10M-QPSK	DS2 (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
LTE Band 26	15M-QPSK	DS2 (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
LTE Band 66	20M-QPSK	DS2 (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
LTE Band 25	20M-QPSK	DS2 (Full)	26590	1905	1	0	Right Cheek	0mm	0.17	0	0.043	0	0.06	0	0	0	0	0	0	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
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
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
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
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
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
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
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
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
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