

10528	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10531	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10533	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	± 9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.35	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.38	± 9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	± 9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	± 9.6 %
10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	± 9.6 %

10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97	± 9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	± 9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	± 9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.11	± 9.6 %
10646	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAE	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAE	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAA	IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	9.09	± 9.6 %

10672	AAA	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %
10673	AAA	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAA	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAA	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAA	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10684	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685	AAA	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAA	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAA	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706	AAA	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAA	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAA	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAA	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAA	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10713	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
10714	AAA	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
10715	AAA	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10720	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10721	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAA	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
10728	AAA	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %
10729	AAA	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAA	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAA	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAA	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAA	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAA	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAA	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %

10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAA	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAA	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAA	IEEE 802.11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	± 9.6 %
10767	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAB	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10777	AAB	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10778	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10779	AAB	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10780	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %

10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAC	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10823	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10824	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAC	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAC	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAC	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10860	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAC	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAC	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAC	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAC	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %

10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAA	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAA	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAA	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAA	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAA	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAA	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAA	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAA	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAA	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAA	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923	AAA	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAA	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAA	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAA	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAA	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAA	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAA	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAA	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAA	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %

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

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



Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.

Full Power

GSM900		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel		128	186	251	Limit	128	186	251	Limit
Frequency (MHz)		824.2	824.4	824.8	(dBm)	824.2	824.4	824.8	(dBm)
GSM 1 Tx slot		32.43	32.49	32.13	33.50	23.43	23.49	23.13	24.50
GPRS 1 Tx slot		32.42	32.47	32.12	33.50	23.42	23.47	23.12	24.50
GPRS 2 Tx slots		28.31	28.28	28.23	29.50	22.31	22.28	22.23	23.50
GPRS 3 Tx slots		27.11	27.08	26.78	28.20	22.85	22.82	22.52	23.94
GPRS 4 Tx slots		25.75	25.65	25.45	26.80	22.13	22.45	22.45	23.80
EDGE 1 Tx slot		25.97	26.04	25.91	27.00	18.97	17.04	16.91	18.00
EDGE 2 Tx slots		24.24	24.49	24.01	25.20	18.24	18.49	18.01	19.20
EDGE 3 Tx slots		22.55	22.74	22.57	23.60	16.59	16.48	16.31	19.54
EDGE 4 Tx slots		21.80	21.53	21.56	22.80	16.80	16.53	16.56	19.80

GSM1900		Burst Average Power (dBm)			Turn-up	Frame-Average Power (dBm)			Turn-up
TX Channel		512	661	810	Limit	512	661	810	Limit
Frequency (MHz)		1852.2	1860	1868.8	(dBm)	1852.2	1860	1868.8	(dBm)
GSM 1 Tx slot		29.37	29.66	29.63	30.00	20.37	20.66	20.63	21.00
GPRS 1 Tx slot		29.36	29.65	29.61	30.00	20.36	20.65	20.61	21.00
GPRS 2 Tx slots		26.10	26.27	26.27	27.00	20.10	20.27	20.27	21.00
GPRS 3 Tx slots		24.33	24.49	24.53	25.00	20.07	20.23	20.27	20.74
GPRS 4 Tx slots		22.73	22.87	23.05	23.50	19.73	19.87	20.05	20.50
EDGE 1 Tx slot		25.33	25.50	25.62	26.00	16.33	16.50	16.62	17.00
EDGE 2 Tx slots		23.43	23.55	23.52	24.00	17.43	17.55	17.52	18.00
EDGE 3 Tx slots		21.77	22.00	21.94	22.50	17.51	17.74	17.68	18.24
EDGE 4 Tx slots		21.22	21.38	21.35	21.80	18.22	18.38	18.35	18.80

Band		WCDMA II			Tune-up	WCDMA IV			Tune-up	WCDMA V			Tune-up
TX Channel		8262	8400	8638	Limit	1312	1413	1513	Limit	4132	4152	4233	Limit
Rx Channel		8662	8800	8938	(dBm)	1537	1638	1738	(dBm)	4357	4407	4498	(dBm)
Frequency (MHz)		1852.4	1860	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.38	24.30	24.40	25.00	24.43	24.46	24.40	25.00	24.03	23.97	24.01	25.00
3GPP Rel 99	AMR 12.2Kbps	24.30	24.43	24.42	25.00	24.45	24.47	24.41	25.00	24.05	24.08	24.02	25.00
3GPP Rel 6	HSDPA Subtest-1	23.27	23.27	23.37	24.00	23.51	23.59	23.46	24.00	22.96	22.91	22.90	24.00
3GPP Rel 6	HSDPA Subtest-2	23.26	23.28	23.34	24.00	23.58	23.57	23.45	24.00	22.97	22.89	22.92	24.00
3GPP Rel 6	HSDPA Subtest-3	22.77	22.77	22.86	23.50	23.09	23.07	22.97	23.50	22.46	22.42	22.42	23.50
3GPP Rel 6	HSDPA Subtest-4	22.76	22.77	22.87	23.50	23.10	23.05	22.99	23.50	22.44	22.00	22.44	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.25	23.26	23.34	24.00	23.48	23.57	23.43	24.00	22.94	22.87	22.88	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.25	23.26	23.31	24.00	23.57	23.55	23.44	24.00	22.96	22.88	22.90	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.78	22.74	22.85	23.50	23.05	23.04	22.95	23.50	22.43	22.39	22.39	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.75	22.75	22.84	23.50	23.07	23.01	22.94	23.50	22.43	21.96	22.41	23.50
3GPP Rel 6	HSUPA Subtest-1	23.29	23.38	23.35	24.00	23.57	23.58	23.48	24.00	22.96	22.89	22.91	24.00
3GPP Rel 6	HSUPA Subtest-2	21.29	21.27	21.35	22.00	21.57	21.58	21.39	22.00	20.98	20.89	20.91	22.00
3GPP Rel 6	HSUPA Subtest-3	22.29	22.26	22.37	23.00	22.55	22.58	22.45	23.00	21.96	21.91	21.92	23.00
3GPP Rel 6	HSUPA Subtest-4	21.29	21.27	21.37	22.00	21.56	21.60	21.46	22.00	20.96	20.90	20.91	22.00
3GPP Rel 6	HSUPA Subtest-5	23.30	23.30	23.40	24.00	23.60	23.60	23.50	24.00	23.00	22.90	22.90	24.00

Band 2 (1900MHz Band)										
Part 24E										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				18700	18900	19100				
20	QPSK	1	0	24.26	24.24	24.30	25	0		
20	QPSK	1	49	24.24	24.18	24.26				
20	QPSK	1	99	24.30	24.17	24.24				
20	QPSK	50	0	23.36	23.39	23.33	24	1		
20	QPSK	50	24	23.36	23.32	23.34				
20	QPSK	50	50	23.35	23.34	23.36				
20	QPSK	100	0	23.33	23.37	23.33	24	1		
20	16QAM	1	0	23.76	23.64	23.65				
20	16QAM	1	49	23.54	23.54	23.65				
20	16QAM	1	99	23.54	23.49	23.57	23	2		
20	16QAM	50	0	22.39	22.24	22.32				
20	16QAM	50	24	22.39	22.39	22.32				
20	16QAM	50	50	22.37	22.33	22.43	23	2		
20	16QAM	100	0	22.34	22.33	22.31				
20	84QAM	1	0	22.69	22.72	22.65	23	2		
20	84QAM	1	49	22.50	22.58	22.73				
20	84QAM	1	99	22.62	22.49	22.50				
20	84QAM	50	0	21.39	21.24	21.30	22	3		
20	84QAM	50	24	21.37	21.34	21.33				
20	84QAM	50	50	21.34	21.31	21.39				
20	84QAM	100	0	21.36	21.33	21.32	Tune-up limit (dBm) MPR (dB)			
Channel				18675.5	18900	19125.5				
Frequency (MHz)				18675.5	18900	19125.5				
15	QPSK	1	0	24.28	24.22	24.29	25	0		
15	QPSK	1	37	24.21	24.17	24.23				
15	QPSK	1	74	24.21	24.19	24.25				
15	QPSK	36	0	23.34	23.27	23.29	24	1		
15	QPSK	36	20	23.38	23.35	23.34				
15	QPSK	36	39	23.34	23.33	23.41				
15	QPSK	75	0	23.34	23.31	23.30	24	1		
15	16QAM	1	0	23.64	23.62	23.68				
15	16QAM	1	37	23.62	23.61	23.70				
15	16QAM	1	74	23.58	23.49	23.58	23	2		
15	16QAM	36	0	22.37	22.25	22.27				
15	16QAM	36	20	22.37	22.34	22.34				
15	16QAM	36	39	22.36	22.36	22.40	23	2		
15	16QAM	75	0	22.37	22.35	22.31				
15	84QAM	1	0	22.65	22.67	22.74	23	2		
15	84QAM	1	37	22.57	22.59	22.72				
15	84QAM	1	74	22.58	22.47	22.52				
15	84QAM	36	0	21.39	21.24	21.31	22	3		
15	84QAM	36	20	21.37	21.34	21.32				
15	84QAM	36	39	21.36	21.34	21.39				
15	84QAM	75	0	21.37	21.31	21.32	Tune-up limit (dBm) MPR (dB)			
Channel				18650.5	18900	19150.5				
Frequency (MHz)				18650.5	18900	19150.5				
10	QPSK	1	0	24.27	24.23	24.26	25	0		
10	QPSK	1	25	24.16	24.16	24.27				
10	QPSK	1	49	24.17	24.18	24.26				
10	QPSK	25	0	23.34	23.30	23.29	24	1		
10	QPSK	25	12	23.38	23.33	23.34				
10	QPSK	25	25	23.37	23.36	23.45				
10	QPSK	50	0	23.36	23.33	23.30	24	1		
10	16QAM	1	0	23.61	23.58	23.59				
10	16QAM	1	25	23.57	23.54	23.64				
10	16QAM	1	49	23.60	23.58	23.62	23	2		
10	16QAM	25	0	22.37	22.29	22.34				
10	16QAM	25	12	22.40	22.36	22.35				
10	16QAM	25	25	22.35	22.35	22.44	23	2		
10	16QAM	50	0	22.38	22.35	22.32				
10	84QAM	1	0	22.67	22.67	22.70				
10	84QAM	1	25	22.63	22.68	22.64	23	2		
10	84QAM	1	49	22.61	22.62	22.64				
10	84QAM	25	0	21.36	21.33	21.37	22	3		
10	84QAM	25	12	21.41	21.40	21.41				
10	84QAM	25	25	21.36	21.36	21.37				
10	84QAM	50	0	21.37	21.34	21.32	Tune-up limit (dBm) MPR (dB)			
Channel				18625.5	18900	19175.5				
Frequency (MHz)				18625.5	18900	19175.5				
5	QPSK	1	0	24.27	24.19	24.26	25	0		
5	QPSK	1	12	24.25	24.23	24.25				
5	QPSK	1	24	24.25	24.23	24.25				
5	QPSK	12	0	23.38	23.29	23.35	24	1		
5	QPSK	12	7	23.40	23.31	23.37				
5	QPSK	12	13	23.40	23.29	23.42				
5	QPSK	25	0	23.37	23.27	23.36	24	1		
5	16QAM	1	0	23.54	23.46	23.57				
5	16QAM	1	12	23.49	23.49	23.55				
5	16QAM	1	24	23.57	23.52	23.63	23	2		
5	16QAM	12	0	22.39	22.31	22.39				
5	16QAM	12	7	22.40	22.35	22.39				
5	16QAM	12	13	22.40	22.35	22.44	23	2		
5	16QAM	25	0	22.39	22.34	22.36				
5	84QAM	1	0	22.47	22.45	22.45				
5	84QAM	1	12	22.44	22.35	22.42	23	2		
5	84QAM	1	24	22.46	22.45	22.51				
5	84QAM	12	0	21.37	21.28	21.38	22	3		
5	84QAM	12	7	21.40	21.32	21.41				
5	84QAM	12	13	21.39	21.34	21.40				
5	84QAM	25	0	21.39	21.29	21.38	Tune-up limit (dBm) MPR (dB)			
Channel				18615.5	18900	19165.5				
Frequency (MHz)				18615.5	18900	19165.5				
3	QPSK	1	0	24.23	24.12	24.18	25	0		
3	QPSK	1	8	24.28	24.20	24.23				
3	QPSK	1	14	24.30	24.19	24.25				
3	QPSK	8	0	23.35	23.31	23.33	24	1		
3	QPSK	8	4	23.40	23.31	23.39				
3	QPSK	8	7	23.39	23.30	23.34				
3	QPSK	15	0	23.35	23.28	23.36	24	1		
3	16QAM	1	0	23.53	23.47	23.53				
3	16QAM	1	8	23.57	23.51	23.59				
3	16QAM	1	14	23.56	23.49	23.52	23	2		
3	16QAM	8	0	22.38	22.34	22.40				
3	16QAM	8	4	22.45	22.38	22.43				
3	16QAM	8	7	22.40	22.37	22.44	23	2		
3	16QAM	15	0	22.38	22.32	22.33				
3	84QAM	1	0	22.50	22.41	22.47				
3	84QAM	1	8	22.52	22.48	22.49	23	2		
3	84QAM	1	14	22.55	22.47	22.50				
3	84QAM	8	0	21.38	21.29	21.33				
3	84QAM	8	4	21.40	21.34	21.40	22	3		
3	84QAM	8	7	21.36	21.32	21.36				
3	84QAM	15	0	21.34	21.29	21.35				
Channel				18607.5	18900	19161.5				
Frequency (MHz)				18607.5	18900	19161.5				
1.4	QPSK	1	0	24.13	24.08	24.14	25	0		
1.4	QPSK	1	3	24.20	24.16	24.19				
1.4	QPSK	1	5	24.15	24.11	24.14				
1.4	QPSK	3	0	24.16	24.15	24.19	24	1		
1.4	QPSK	3	1	24.20	24.13	24.21				
1.4	QPSK	3	8	24.17	24.17	24.17				
1.4	QPSK	6	0	23.28	23.23	23.23	24	1		
1.4	16QAM	1	0	23.49	23.40	23.47				
1.4	16QAM	1	3	23.55	23.48	23.50				
1.4	16QAM	1	5	23.48	23.46	23.49	24	1		
1.4	16QAM	3	0	23.21	23.14	23.26				
1.4	16QAM	3	1	23.27	23.20	23.29				
1.4	16QAM	3	3	23.21	23.16	23.24	23	2		
1.4	16QAM	6	0	22.34	22.28	22.30				
1.4	16QAM	1	0	22.41	22.39	22.43				
1.4	84QAM	1	3	22.47	22.43	22.47	23	2		
1.4	84QAM	1	5	22.44	22.35	22.41				
1.4	84QAM	3	0	22.32	22.25	22.28				
1.4	84QAM	3	3	22.36	22.29	22.33	22	3		
1.4	84QAM	3	3	22.30	22.20	22.29				
1.4	84QAM	6	0	21.28	21.23	21.24				

Band 5 (Cellular Band)									
Part 22(only on channel required)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.75	23.81	23.73	25	0	
10	QPSK	1	25	23.85	23.63	23.61			
10	QPSK	1	49	23.57	23.80	23.66			
10	QPSK	25	0	22.78	22.80	22.63	24	1	
10	QPSK	25	12	22.79	22.64	22.68			
10	QPSK	25	25	22.69	22.74	22.70			
10	QPSK	50	0	22.69	22.79	22.65	24	1	
10	16QAM	1	0	23.12	23.02	22.91			
10	16QAM	1	25	23.09	22.87	22.91			
10	16QAM	1	49	23.00	22.92	22.98	23	2	
10	16QAM	25	0	21.80	21.65	21.66			
10	16QAM	25	12	21.82	21.68	21.68			
10	16QAM	25	25	21.76	21.70	21.70	23	2	
10	16QAM	50	0	21.80	21.70	21.65			
10	64QAM	1	0	22.14	22.06	22.04			
10	64QAM	1	25	22.07	22.02	22.10	23	2	
10	64QAM	1	49	22.02	22.13	22.20			
10	64QAM	25	0	20.74	20.61	20.65			
10	64QAM	25	12	20.83	20.76	20.69	22	3	
10	64QAM	25	25	20.76	20.67	20.69			
10	64QAM	50	0	20.80	20.68	20.65			
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.67	23.80	23.52	25	0	
5	QPSK	1	12	23.60	23.70	23.45			
5	QPSK	1	24	23.62	23.72	23.50			
5	QPSK	12	0	22.72	22.41	22.51	24	1	
5	QPSK	12	7	22.72	22.46	22.54			
5	QPSK	12	13	22.71	22.46	22.48			
5	QPSK	25	0	22.73	22.48	22.44	24	1	
5	16QAM	1	0	22.94	22.73	22.71			
5	16QAM	1	12	22.87	22.66	22.67			
5	16QAM	1	24	22.84	22.67	22.72	23	2	
5	16QAM	12	0	21.72	21.49	21.55			
5	16QAM	12	7	21.74	21.53	21.56			
5	16QAM	12	13	21.71	21.47	21.52	23	2	
5	16QAM	25	0	21.74	21.49	21.49			
5	64QAM	1	0	21.91	21.86	21.86			
5	64QAM	1	12	21.80	21.63	21.69	23	2	
5	64QAM	1	24	21.86	21.66	21.72			
5	64QAM	12	0	20.69	20.44	20.51			
5	64QAM	12	7	20.76	20.51	20.57	22	3	
5	64QAM	12	13	20.65	20.61	20.51			
5	64QAM	25	0	20.72	20.65	20.68			
Channel				20415	20525	20639	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.43	23.38	23.50	25	0	
3	QPSK	1	8	23.56	23.45	23.51			
3	QPSK	1	14	23.73	23.38	23.41			
3	QPSK	8	0	22.51	22.44	22.55	24	1	
3	QPSK	8	4	22.59	22.54	22.56			
3	QPSK	8	7	22.55	22.46	22.58			
3	QPSK	16	0	22.55	22.43	22.46	24	1	
3	16QAM	1	0	22.71	22.69	22.80			
3	16QAM	1	8	22.75	22.71	22.76			
3	16QAM	1	14	22.67	22.68	22.73	23	2	
3	16QAM	8	0	21.55	21.49	21.51			
3	16QAM	8	4	21.58	21.53	21.52			
3	16QAM	8	7	21.58	21.50	21.54	23	2	
3	16QAM	15	0	21.57	21.47	21.49			
3	64QAM	1	0	21.74	21.67	21.79			
3	64QAM	1	8	21.70	21.65	21.69	23	2	
3	64QAM	1	14	21.75	21.61	21.76			
3	64QAM	8	0	20.49	20.45	20.51			
3	64QAM	8	4	20.59	20.49	20.53	22	3	
3	64QAM	8	7	20.51	20.46	20.52			
3	64QAM	15	0	20.57	20.44	20.50			
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.63	23.64	23.66	25	0	
1.4	QPSK	1	3	23.37	23.75	23.71			
1.4	QPSK	1	5	23.28	23.30	23.33			
1.4	QPSK	3	0	23.38	23.25	23.29	24	1	
1.4	QPSK	3	1	23.40	23.31	23.31			
1.4	QPSK	3	3	23.35	23.30	23.29			
1.4	QPSK	6	0	22.44	22.38	22.38	24	1	
1.4	16QAM	1	0	22.57	22.58	22.58			
1.4	16QAM	1	3	22.75	22.64	22.73			
1.4	16QAM	1	5	22.65	22.57	22.57	24	1	
1.4	16QAM	3	0	22.44	22.31	22.36			
1.4	16QAM	3	1	22.47	22.40	22.39			
1.4	16QAM	3	3	22.38	22.37	22.31	23	2	
1.4	16QAM	6	0	21.52	21.45	21.49			
1.4	64QAM	1	0	21.53	21.49	21.56			
1.4	64QAM	1	3	21.62	21.56	21.66	23	2	
1.4	64QAM	1	5	21.60	21.53	21.57			
1.4	64QAM	3	0	21.45	21.38	21.44			
1.4	64QAM	3	1	21.49	21.41	21.42	22	3	
1.4	64QAM	3	3	21.44	21.35	21.38			
1.4	64QAM	6	0	20.43	20.36	20.38			

Band 7 (2600MHz Band)									
Part 27									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	24.31	24.47	24.40	25	0	
20	QPSK	1	49	24.30	24.35	24.33			
20	QPSK	1	99	24.24	24.45	24.36			
20	QPSK	50	0	23.44	23.77	23.67	24	1	
20	QPSK	50	24	23.44	23.51	23.70			
20	QPSK	50	50	23.43	23.44	23.70			
20	QPSK	100	0	23.50	23.73	23.55	24	1	
20	16QAM	1	0	23.77	23.77	23.88			
20	16QAM	1	49	23.60	23.67	23.85			
20	16QAM	1	99	23.49	23.64	23.77	24	1	
20	16QAM	50	0	22.44	22.49	22.75			
20	16QAM	50	24	22.53	22.44	22.78			
20	16QAM	50	50	22.39	22.50	22.77	23	2	
20	16QAM	100	0	22.40	22.48	22.67			
20	64QAM	1	0	22.42	22.56	22.71			
20	64QAM	1	49	22.45	22.55	22.71	23	2	
20	64QAM	1	99	22.51	22.67	22.64			
20	64QAM	50	0	21.46	21.55	21.75			
20	64QAM	50	24	21.49	21.56	21.75	22	3	
20	64QAM	50	50	21.45	21.57	21.77			
20	64QAM	100	0	21.46	21.42	21.73			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	24.37	24.41	24.44	25	0	
15	QPSK	1	37	24.28	24.39	24.45			
15	QPSK	1	74	24.30	24.45	24.42			
15	QPSK	36	0	23.51	23.55	23.74	24	1	
15	QPSK	36	20	23.49	23.51	23.69			
15	QPSK	36	39	23.43	23.44	23.68			
15	QPSK	75	0	23.48	23.49	23.71	24	1	
15	16QAM	1	0	23.71	23.76	23.79			
15	16QAM	1	37	23.65	23.66	23.96			
15	16QAM	1	74	23.62	23.74	23.80	24	1	
15	16QAM	36	0	22.41	22.44	22.64			
15	16QAM	36	20	22.54	22.54	22.74			
15	16QAM	36	39	22.48	22.50	22.71	23	2	
15	16QAM	75	0	22.45	22.49	22.71			
15	64QAM	1	0	22.57	22.62	22.71			
15	64QAM	1	37	22.54	22.62	22.87	23	2	
15	64QAM	1	74	22.54	22.67	22.74			
15	64QAM	36	0	21.52	21.49	21.74			
15	64QAM	36	20	21.55	21.61	21.79	22	3	
15	64QAM	36	39	21.44	21.54	21.71			
15	64QAM	75	0	21.45	21.50	21.74			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	24.38	24.33	24.38	25	0	
10	QPSK	1	25	24.19	24.24	24.34			
10	QPSK	1	49	24.24	24.30	24.44			
10	QPSK	25	0	23.43	23.49	23.69	24	1	
10	QPSK	25	12	23.49	23.49	23.74			
10	QPSK	25	25	23.41	23.49	23.66			
10	QPSK	50	0	23.50	23.45	23.67	24	1	
10	16QAM	1	0	23.60	23.78	23.87			
10	16QAM	1	25	23.60	23.66	23.93			
10	16QAM	1	49	23.68	23.68	23.95	24	1	
10	16QAM	25	0	22.39	22.40	22.66			
10	16QAM	25	12	22.50	22.51	22.72			
10	16QAM	25	25	22.48	22.49	22.66	23	2	
10	16QAM	50	0	22.48	22.45	22.68			
10	64QAM	1	0	22.41	22.63	22.87			
10	64QAM	1	25	22.41	22.66	22.78	23	2	
10	64QAM	1	49	22.54	22.58	22.73			
10	64QAM	25	0	21.50	21.50	21.74			
10	64QAM	25	12	21.57	21.54	21.82	22	3	
10	64QAM	25	25	21.47	21.64	21.74			
10	64QAM	50	0	21.44	21.54	21.71			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	24.33	24.33	24.39	25	0	
5	QPSK	1	12	24.31	24.40	24.43			
5	QPSK	1	24	24.29	24.39	24.35			
5	QPSK	12	0	23.38	23.40	23.51	24	1	
5	QPSK	12	7	23.50	23.48	23.71			
5	QPSK	12	13	23.49	23.51	23.69			
5	QPSK	25	0	23.48	23.45	23.67	24	1	
5	16QAM	1	0	23.62	23.57	23.92			
5	16QAM	1	12	23.63	23.69	23.84			
5	16QAM	1	24	23.65	23.80	23.93	24	1	
5	16QAM	12	0	22.39	22.40	22.74			
5	16QAM	12	7	22.53	22.50	22.77			
5	16QAM	12	13	22.52	22.57	22.71	23	2	
5	16QAM	25	0	22.51	22.47	22.73			
5	64QAM	1	0	22.65	22.68	22.79			
5	64QAM	1	12	22.57	22.67	22.90	23	2	
5	64QAM	1	24	22.64	22.72	22.83			
5	64QAM	12	0	21.52	21.52	21.76			
5	64QAM	12	7	21.58	21.55	21.72	22	3	
5	64QAM	12	13	21.45	21.58	21.75			
5	64QAM	25	0	21.51	21.49	21.72			

Band 13(700MHz Band)								
Part 27F								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23230				
Frequency (MHz)				782				
10	QPSK	1	0		23.93		25	0
10	QPSK	1	25		23.83			
10	QPSK	1	49		23.85			
10	QPSK	25	0		23.07		24	1
10	QPSK	25	12		23.03			
10	QPSK	25	25		22.91			
10	QPSK	50	0		23.06		24	1
10	16QAM	1	0		23.19			
10	16QAM	1	25		23.20			
10	16QAM	1	49		23.10		23	2
10	16QAM	25	0		21.94			
10	16QAM	25	12		22.02			
10	16QAM	25	25		21.98		23	2
10	16QAM	50	0		22.04			
10	64QAM	1	0		22.33			
10	64QAM	1	25		22.22		23	2
10	64QAM	1	49		22.24			
10	64QAM	25	0		20.96			
10	64QAM	25	12		21.08		22	3
10	64QAM	25	25		20.94			
10	64QAM	50	0		21.01			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	23.87	23.70	23.66	25	0
5	QPSK	1	12	23.87	23.78	23.70		
5	QPSK	1	24	23.90	23.71	23.70		
5	QPSK	12	0	23.01	22.86	22.78	24	1
5	QPSK	12	7	23.04	22.87	22.77		
5	QPSK	12	13	23.02	22.84	22.80		
5	QPSK	25	0	23.02	22.87	22.77	24	1
5	16QAM	1	0	23.14	23.04	22.98		
5	16QAM	1	12	23.19	22.99	22.97		
5	16QAM	1	24	23.18	23.02	22.97	23	2
5	16QAM	12	0	22.04	21.90	21.81		
5	16QAM	12	7	22.08	21.91	21.79		
5	16QAM	12	13	22.05	21.87	21.84	23	2
5	16QAM	25	0	22.02	21.90	21.81		
5	64QAM	1	0	22.16	21.99	21.91		
5	64QAM	1	12	22.14	21.97	21.92	23	2
5	64QAM	1	24	22.14	22.01	21.92		
5	64QAM	12	0	20.98	20.83	20.79		
5	64QAM	12	7	21.01	20.87	20.76	22	3
5	64QAM	12	13	20.99	20.88	20.82		
5	64QAM	25	0	21.08	20.90	20.80		

Band 66							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	24.45	24.40	24.34	25
20	QPSK	1	49	24.40	24.39	24.40	
20	QPSK	1	99	24.34	24.40	24.16	
20	QPSK	50	0	23.54	23.59	23.43	24
20	QPSK	50	24	23.57	23.45	23.40	
20	QPSK	50	50	23.54	23.51	23.39	
20	QPSK	100	0	23.44	23.57	23.37	24
20	16QAM	1	0	23.87	23.89	23.76	
20	16QAM	1	49	23.79	23.78	23.67	
20	16QAM	1	99	23.89	23.82	23.52	23
20	16QAM	50	0	22.54	22.54	22.46	
20	16QAM	50	24	22.62	22.49	22.44	
20	16QAM	50	50	22.55	22.48	22.41	23
20	16QAM	100	0	22.56	22.47	22.39	
20	64QAM	1	0	22.74	22.80	22.76	
20	64QAM	1	49	22.68	22.66	22.64	23
20	64QAM	1	99	22.48	22.65	22.51	
20	64QAM	50	0	21.50	21.49	21.42	
20	64QAM	50	24	21.58	21.48	21.35	22
20	64QAM	50	50	21.52	21.46	21.39	
20	64QAM	100	0	21.56	21.47	21.40	
Channel				132022	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	24.41	24.44	24.38	25
15	QPSK	1	37	24.38	24.35	24.26	
15	QPSK	1	74	24.35	24.30	24.20	
15	QPSK	36	0	23.59	23.50	23.39	24
15	QPSK	36	20	23.57	23.47	23.48	
15	QPSK	36	39	23.52	23.47	23.36	
15	QPSK	75	0	23.53	23.46	23.42	24
15	16QAM	1	0	23.80	23.77	23.74	
15	16QAM	1	37	23.70	23.70	23.64	
15	16QAM	1	74	23.72	23.69	23.55	23
15	16QAM	36	0	22.58	22.51	22.36	
15	16QAM	36	20	22.60	22.50	22.46	
15	16QAM	36	39	22.53	22.49	22.38	23
15	16QAM	75	0	22.57	22.46	22.47	
15	64QAM	1	0	22.72	22.74	22.72	
15	64QAM	1	37	22.67	22.69	22.67	23
15	64QAM	1	74	22.69	22.63	22.54	
15	64QAM	36	0	21.59	21.50	21.40	
15	64QAM	36	20	21.57	21.50	21.46	22
15	64QAM	36	39	21.52	21.49	21.37	
15	64QAM	75	0	21.55	21.47	21.45	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.47	24.49	24.30	25
10	QPSK	1	25	24.33	24.45	24.31	
10	QPSK	1	49	24.34	24.28	24.18	
10	QPSK	25	0	23.52	23.42	23.31	24
10	QPSK	25	12	23.55	23.43	23.32	
10	QPSK	25	25	23.50	23.45	23.36	
10	QPSK	50	0	23.54	23.43	23.39	24
10	16QAM	1	0	23.82	23.81	23.70	
10	16QAM	1	25	23.85	23.80	23.65	
10	16QAM	1	49	23.71	23.68	23.57	23
10	16QAM	25	0	22.54	22.46	22.28	
10	16QAM	25	12	22.56	22.41	22.31	
10	16QAM	25	25	22.48	22.49	22.33	23
10	16QAM	50	0	22.52	22.45	22.30	
10	64QAM	1	0	22.83	22.84	22.72	
10	64QAM	1	25	22.74	22.76	22.69	23
10	64QAM	1	49	22.74	22.76	22.65	
10	64QAM	25	0	21.56	21.43	21.34	
10	64QAM	25	12	21.58	21.46	21.34	22
10	64QAM	25	25	21.48	21.47	21.34	
10	64QAM	50	0	21.53	21.44	21.39	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.42	24.35	24.30	25
5	QPSK	1	12	24.41	24.47	24.29	
5	QPSK	1	24	24.38	24.38	24.14	
5	QPSK	12	0	23.52	23.45	23.30	24
5	QPSK	12	7	23.58	23.53	23.35	
5	QPSK	12	13	23.54	23.49	23.29	
5	QPSK	25	0	23.51	23.40	23.30	24
5	16QAM	1	0	23.80	23.66	23.60	
5	16QAM	1	12	23.78	23.76	23.53	
5	16QAM	1	24	23.70	23.71	23.57	23
5	16QAM	12	0	22.56	22.46	22.37	
5	16QAM	12	7	22.60	22.55	22.40	
5	16QAM	12	13	22.51	22.50	22.33	23
5	16QAM	25	0	22.56	22.43	22.37	
5	64QAM	1	0	22.72	22.60	22.56	
5	64QAM	1	12	22.68	22.61	22.45	23
5	64QAM	1	24	22.63	22.58	22.43	
5	64QAM	12	0	21.55	21.43	21.37	
5	64QAM	12	7	21.58	21.51	21.39	22
5	64QAM	12	13	21.47	21.47	21.46	
5	64QAM	25	0	21.54	21.45	21.46	
Channel				131987	132322	132647	
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	24.33	24.36	24.27	25
3	QPSK	1	8	24.41	24.45	24.32	
3	QPSK	1	14	24.39	24.36	24.21	
3	QPSK	8	0	23.57	23.45	23.36	24
3	QPSK	8	4	23.53	23.51	23.37	
3	QPSK	8	7	23.51	23.50	23.31	
3	QPSK	15	0	23.56	23.40	23.32	24
3	16QAM	1	0	23.79	23.70	23.59	
3	16QAM	1	8	23.81	23.82	23.64	
3	16QAM	1	14	23.76	23.73	23.61	24
3	16QAM	8	0	22.57	22.50	22.37	
3	16QAM	8	4	22.62	22.57	22.40	
3	16QAM	8	7	22.56	22.55	22.35	23
3	16QAM	15	0	22.57	22.36	22.20	
3	16QAM	1	0	22.68	22.58	22.55	
3	64QAM	1	8	22.73	22.66	22.55	23
3	64QAM	1	14	22.67	22.63	22.50	
3	64QAM	8	0	21.58	21.45	21.39	
3	64QAM	8	4	21.54	21.51	21.41	22
3	64QAM	8	7	21.54	21.51	21.37	
3	64QAM	15	0	21.51	21.41	21.37	
Channel				131970	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	24.34	24.30	24.31	25
1.4	QPSK	1	3	24.39	24.35	24.18	
1.4	QPSK	1	5	24.30	24.34	24.10	
1.4	QPSK	3	0	24.38	24.24	24.26	25
1.4	QPSK	3	1	24.42	24.39	24.21	
1.4	QPSK	3	3	24.39	24.36	24.20	
1.4	QPSK	6	0	23.43	23.33	23.29	24
1.4	16QAM	1	0	23.69	23.65	23.50	
1.4	16QAM	1	3	23.67	23.63	23.59	
1.4	16QAM	1	5	23.67	23.66	23.50	24
1.4	16QAM	3	0	23.43	23.41	23.24	
1.4	16QAM	3	1	23.48	23.46	23.29	
1.4	16QAM	3	3	23.43	23.39	23.24	23
1.4	16QAM	6	0	22.55	22.53	22.33	
1.4	64QAM	1	0	22.58	22.54	22.43	
1.4	64QAM	1	3	22.64	22.60	22.47	23
1.4	64QAM	1	5	22.61	22.56	22.39	
1.4	64QAM	3	0	22.46	22.48	22.33	
1.4	64QAM	3	1	22.51	22.49	22.38	23
1.4	64QAM	3	3	22.47	22.43	22.29	
1.4	64QAM	6	0	21.46	21.42	21.25	

Band 48 (3.5G Band)										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				55340	55830	55990	56150	56640	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3560	3600	3625	3641	3690		
20	QPSK	1	0	22.74	23.33	23.09	23.09	22.87	24.3	0
20	QPSK	1	49	22.90	23.19	23.03	22.79	22.79		
20	QPSK	1	99	22.98	23.33	22.99	22.77	22.76		
20	QPSK	50	0	21.87	22.36	22.06	21.93	21.96		
20	QPSK	50	24	21.99	22.36	22.07	21.98	21.94		
20	QPSK	50	50	22.00	22.27	22.07	21.94	21.92	23.3	1
20	QPSK	100	0	21.89	22.33	21.87	21.85	21.90		
20	16QAM	1	0	21.94	22.29	22.18	22.11	22.01		
20	16QAM	1	49	21.98	22.26	21.96	21.83	21.97		
20	16QAM	1	99	22.06	22.28	22.02	21.93	21.86		
20	16QAM	50	0	21.01	21.34	21.22	21.08	21.12	22.3	2
20	16QAM	50	24	21.03	21.31	21.28	21.01	21.03		
20	16QAM	50	50	21.13	21.26	21.28	21.04	21.02		
20	16QAM	100	0	20.90	21.35	21.22	21.04	20.96		
20	64QAM	1	0	20.33	20.35	20.24	19.96	19.85		
20	64QAM	1	49	20.37	20.36	19.89	19.53	19.75	22.3	2
20	64QAM	1	99	20.33	20.32	19.75	19.69	19.35		
20	64QAM	50	0	19.87	19.59	19.42	19.12	19.20		
20	64QAM	50	24	19.95	19.62	19.43	19.06	19.11		
20	64QAM	50	50	19.96	19.61	19.39	19.14	19.01		
20	64QAM	100	0	19.73	19.48	19.32	19.01	19.12	21.3	3
Channel				55315	55820	55990	56160	56665		
Frequency (MHz)				3557.5	3606	3625	3642	3692.5		
15	QPSK	1	0	22.57	23.06	23.07	22.83	22.93	24.3	0
15	QPSK	1	37	22.77	23.08	23.01	22.82	22.57		
15	QPSK	1	74	22.89	23.13	23.16	22.67	22.69		
15	QPSK	36	0	22.35	22.26	22.33	22.00	21.97		
15	QPSK	36	20	21.85	22.25	22.36	21.93	21.91		
15	QPSK	36	39	21.91	22.24	22.34	22.05	22.03	23.3	1
15	QPSK	75	0	21.83	22.25	22.18	21.83	21.92		
15	16QAM	1	0	21.71	22.28	22.23	22.02	21.96		
15	16QAM	1	37	21.75	22.24	22.28	21.82	21.67		
15	16QAM	1	74	22.04	22.34	22.37	21.84	21.60		
15	16QAM	36	0	20.81	21.28	21.34	21.12	21.05	22.3	2
15	16QAM	36	20	20.77	21.28	21.43	21.01	20.97		
15	16QAM	36	39	20.81	21.24	21.34	21.05	20.92		
15	16QAM	75	0	20.83	21.36	21.35	21.00	20.96		
15	64QAM	1	0	20.38	20.20	20.10	19.93	19.82		
15	64QAM	1	37	20.48	20.27	20.07	19.50	19.48	22.3	2
15	64QAM	1	74	20.60	20.22	20.12	19.69	19.31		
15	64QAM	36	0	19.91	19.35	19.35	19.18	19.08		
15	64QAM	36	20	19.87	19.35	19.40	19.02	18.98		
15	64QAM	36	39	19.94	19.25	19.35	19.13	18.98		
15	64QAM	75	0	19.78	19.35	19.28	19.03	19.00	21.3	3
Channel				55290	55815	55990	56165	56690		
Frequency (MHz)				3555	3607.5	3625	3642.5	3695		
10	QPSK	1	0	22.59	23.06	23.07	22.63	22.79	24.3	0
10	QPSK	1	25	22.66	23.09	22.99	22.59	22.53		
10	QPSK	1	49	22.78	23.01	22.66	22.64	22.56		
10	QPSK	25	0	21.80	22.23	22.06	21.86	21.76		
10	QPSK	25	12	21.81	22.18	22.04	21.88	21.77		
10	QPSK	25	25	21.85	22.19	21.92	21.80	21.76	23.3	1
10	QPSK	50	0	21.80	22.19	21.97	21.66	21.57		
10	16QAM	1	0	21.75	22.11	22.21	21.64	21.88		
10	16QAM	1	25	21.83	22.15	22.17	21.74	21.66		
10	16QAM	1	49	21.96	22.24	21.86	21.79	21.72		
10	16QAM	25	0	20.77	21.23	21.32	20.94	20.92	22.3	2
10	16QAM	25	12	20.80	21.18	21.23	20.96	20.98		
10	16QAM	25	25	20.80	21.16	21.22	20.91	20.96		
10	16QAM	50	0	20.86	21.16	21.16	20.92	20.92		
10	64QAM	1	0	20.35	20.30	20.06	19.75	19.93		
10	64QAM	1	25	20.43	20.48	19.95	19.63	19.60	22.3	2
10	64QAM	1	49	20.72	20.40	19.55	19.59	19.45		
10	64QAM	25	0	19.78	19.59	19.40	19.04	18.97		
10	64QAM	25	12	19.77	19.54	19.31	19.10	19.03		
10	64QAM	25	25	19.84	19.61	19.21	19.10	18.99		
10	64QAM	50	0	19.80	19.49	19.32	19.00	18.99	21.3	3
Channel				55265	55810	55990	56170	56715		
Frequency (MHz)				3552.5	3607	3625	3643	3697.5		
5	QPSK	1	0	22.64	23.23	23.07	22.67	22.69	24.3	0
5	QPSK	1	12	22.58	23.11	23.27	22.61	22.66		
5	QPSK	1	24	22.59	23.14	23.30	22.76	22.69		
5	QPSK	12	0	21.73	22.24	22.85	21.83	21.85		
5	QPSK	12	7	21.81	22.22	22.35	21.96	21.88		
5	QPSK	12	13	21.85	22.19	22.41	21.94	21.89	23.3	1
5	QPSK	25	0	21.79	22.24	22.33	21.78	21.71		
5	16QAM	1	0	21.82	22.33	22.21	21.83	21.76		
5	16QAM	1	12	21.87	22.25	22.25	21.88	21.76		
5	16QAM	1	24	21.96	22.31	22.54	21.97	21.86		
5	16QAM	12	0	20.75	21.20	21.31	20.94	20.87	22.3	2
5	16QAM	12	7	20.77	21.15	21.27	21.03	20.97		
5	16QAM	12	13	20.79	21.13	21.31	20.94	20.91		
5	16QAM	25	0	20.81	21.20	21.33	20.95	20.87		
5	64QAM	1	0	20.35	20.54	19.99	19.55	19.63		
5	64QAM	1	12	20.26	20.71	19.92	19.60	19.63	22.3	2
5	64QAM	1	24	20.35	20.63	19.88	19.58	19.70		
5	64QAM	12	0	19.72	19.61	19.35	18.98	18.94		
5	64QAM	12	7	19.74	19.62	19.33	19.12	18.97		
5	64QAM	12	13	19.80	19.67	19.40	19.11	18.96		
5	64QAM	25	0	19.75	19.49	19.35	19.09	18.85		

Full Power_Ant 3

Band 2 (1900MHz Band)										Band 66									
Part 24E																			
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100	23.5	0		Channel				132072	132322	132572	24	0	
Frequency (MHz)				1860	1880	1900				Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.13	23.22	23.02	23.5	0		20	QPSK	1	0	23.76	23.83	23.74	24	0	
20	QPSK	1	49	23.10	22.96	22.81				20	QPSK	1	49	23.81	23.71	23.71			
20	QPSK	1	99	22.74	22.84	22.86				20	QPSK	1	99	23.71	23.70	23.74			
20	QPSK	50	0	22.14	22.34	21.87				20	QPSK	50	0	22.82	22.86	22.73			
20	QPSK	50	24	22.30	22.10	21.86				20	QPSK	50	24	22.82	22.84	22.77			
20	QPSK	50	50	21.84	21.94	21.93	22.5	1		20	QPSK	50	50	22.79	22.79	22.80	23	1	
20	QPSK	100	0	22.14	22.25	21.91				20	QPSK	100	0	22.75	22.82	22.65			
20	16QAM	1	0	21.37	21.56	21.42				20	16QAM	1	0	22.05	22.15	22.18			
20	16QAM	1	49	21.20	21.34	21.30				20	16QAM	1	49	22.15	22.25	22.20			
20	16QAM	1	99	21.53	21.43	21.38				20	16QAM	1	99	22.09	22.07	22.05			
20	16QAM	50	0	21.04	21.24	21.16	21.5	2		20	16QAM	50	0	21.84	21.74	21.73	22	2	
20	16QAM	50	24	21.10	21.23	21.13				20	16QAM	50	24	21.80	21.85	21.82			
20	16QAM	50	50	21.11	21.01	21.00				20	16QAM	50	50	21.76	21.86	21.79			
20	16QAM	100	0	21.04	21.15	21.03				20	16QAM	100	0	21.83	21.87	21.79			
20	16QAM	1	0	20.29	20.31	20.35				20	16QAM	1	0	21.51	21.46	21.49			
20	64QAM	1	49	20.65	20.65	20.62	21.5	2		20	64QAM	1	49	21.77	21.59	21.63	22	2	
20	64QAM	1	99	20.76	20.66	20.61				20	64QAM	1	99	21.73	21.55	21.43			
20	64QAM	50	0	19.79	19.74	19.76				20	64QAM	50	0	20.52	20.52	20.50			
20	64QAM	50	24	20.09	20.19	20.10				20	64QAM	50	24	20.99	20.91	20.83			
20	64QAM	50	50	20.23	20.13	20.11				20	64QAM	50	50	20.96	20.90	20.82			
20	64QAM	100	0	19.73	20.04	19.72	20.5	3		20	64QAM	100	0	20.91	20.87	20.85	21	3	
Channel				18675	18900	19125				Channel				132047	132322	132597			
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)		Frequency (MHz)				1712.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.14	23.07	22.79	23.5	0		15	QPSK	1	0	23.58	23.63	23.67	24	0	
15	QPSK	1	37	23.16	23.01	22.77				15	QPSK	1	37	23.57	23.64	23.48			
15	QPSK	1	74	22.72	22.91	22.76				15	QPSK	1	74	23.56	23.80	23.76			
15	QPSK	36	0	22.34	22.14	22.10				15	QPSK	36	0	22.83	22.96	22.88			
15	QPSK	36	20	22.41	22.21	21.97				15	QPSK	36	20	22.65	22.86	22.55			
15	QPSK	36	39	22.11	22.09	21.93	22.5	1		15	QPSK	36	39	22.74	22.89	22.74	23	1	
15	QPSK	75	0	22.23	22.11	21.90				15	QPSK	75	0	22.64	22.74	22.46			
15	16QAM	1	0	21.63	21.54	21.34				15	16QAM	1	0	21.85	22.18	22.02			
15	16QAM	1	37	21.62	21.51	21.41				15	16QAM	1	37	22.05	22.16	22.01			
15	16QAM	1	74	21.58	21.51	21.43				15	16QAM	1	74	22.01	22.19	22.09			
15	16QAM	36	0	21.30	21.21	21.15	21.5	2		15	16QAM	36	0	21.78	21.80	21.77	22	2	
15	16QAM	36	20	21.28	21.21	21.10				15	16QAM	36	20	21.69	21.87	21.73			
15	16QAM	36	39	21.13	21.14	21.08				15	16QAM	36	39	21.70	21.90	21.87			
15	16QAM	75	0	21.29	21.27	21.13				15	16QAM	75	0	21.69	21.48	21.26			
15	64QAM	1	0	20.78	20.71	20.75				15	64QAM	1	0	21.61	21.54	21.58			
15	64QAM	1	37	20.71	20.69	20.74	21.5	2		15	64QAM	1	37	21.73	21.47	21.47	22	2	
15	64QAM	1	74	20.83	20.73	20.53				15	64QAM	1	74	21.53	21.30	21.23			
15	64QAM	36	0	19.88	19.75	19.79				15	64QAM	36	0	20.56	20.59	20.67			
15	64QAM	36	20	20.09	20.20	20.18				15	64QAM	36	20	20.97	20.96	20.86			
15	64QAM	36	39	20.10	20.09	20.11				15	64QAM	36	39	20.98	20.76	20.70			
15	64QAM	75	0	20.07	20.17	20.13	20.5	3		15	64QAM	75	0	20.87	20.70	20.64	21	3	
Channel				18650	18900	19150				Channel				132022	132322	132622			
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)	MPR (dB)		Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.14	23.15	22.82	23.5	0		10	QPSK	1	0	23.67	23.81	23.77	24	0	
10	QPSK	1	25	23.16	23.05	22.81				10	QPSK	1	25	23.53	23.75	23.64			
10	QPSK	1	49	22.72	23.09	22.94				10	QPSK	1	49	23.76	23.71	23.67			
10	QPSK	25	0	22.34	22.17	22.13				10	QPSK	25	0	22.89	22.73	22.71			
10	QPSK	25	12	22.41	22.21	21.97				10	QPSK	25	12	22.55	22.86	22.91			
10	QPSK	25	25	22.11	22.09	21.93	22.5	1		10	QPSK	25	25	22.74	22.79	23.00	23	1	
10	QPSK	50	0	22.23	22.13	21.92				10	QPSK	50	0	22.46	22.89	22.77			
10	16QAM	1	0	21.63	21.71	21.51				10	16QAM	1	0	22.02	22.49	22.08			
10	16QAM	1	25	21.62	21.59	21.49				10	16QAM	1	25	22.01	22.37	22.06			
10	16QAM	1	49	21.58	21.67	21.59				10	16QAM	1	49	22.09	22.31	22.21			
10	16QAM	25	0	21.30	21.18	21.12	21.5	2		10	16QAM	25	0	21.77	21.76	21.90	22	2	
10	16QAM	25	12	21.28	21.22	21.11				10	16QAM	25	12	21.73	21.90	21.82			
10	16QAM	25	25	21.13	21.11	21.05				10	16QAM	25	25	21.87	21.84	21.90			
10	16QAM	50	0	21.29	21.15	21.01				10	16QAM	50	0	21.58	21.81	21.45			
10	64QAM	1	0	20.80	20.85	20.91				10	64QAM	1	0	21.48	21.52	21.61			
10	64QAM	1	25	21.09	21.13	21.09	21.5	2		10	64QAM	1	25	21.47	21.60	21.65	22	2	
10	64QAM	1	49	20.85	20.85	20.75				10	64QAM	1	49	21.23	21.73	21.68			
10	64QAM	25	0	20.23	20.13	20.17				10	64QAM	25	0	20.68	20.87	20.86			
10	64QAM	25	12	20.09	20.26	20.24				10	64QAM	25	12	20.86	20.91	20.83			
10	64QAM	25	25	20.10	20.05	20.07				10	64QAM	25	25	20.70	20.93	20.82			
10	64QAM	50	0	20.07	20.21	20.17	20.5	3		10	64QAM	50	0	20.64	20.87	20.74	21	3	
Channel				18625	18900	19175				Channel				131997	132322	132647			
Frequency (MHz)				1852.5	18800	1907.5	Tune-up limit (dBm)	MPR (dB)		Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.05	23.01	22.86	23.5	0		5	QPSK	1	0	23.70	23.70	23.76	24	0	
5	QPSK	1	12	23.21	23.10	22.92				5	QPSK	1	12	23.69	23.73	23.73			
5	QPSK	24	0	22.84	22.94	22.99				5	QPSK	1	24	23.60	23.73	23.69			
5	QPSK	12	0	22.27	22.10	22.30				5	QPSK	12	0	22.69	22.93	22.87			
5	QPSK	12	7	22.40	22.20	22.17				5	QPSK	12	7	22.62	22.88	22.69			
5	QPSK	12	13	22.07	22.05	21.95	22.5	1		5	QPSK	12	13	22.63	22.89	22.94	23	1	
5	QPSK	25	0	22.30	22.20	22.02				5	QPSK	25	0	22.68	22.81	22.51			
5	16QAM	1	0	21.63	21.71	21.43				5	16QAM	1	0	22.29	22.52	22.21			
5	16QAM	1	12	21.72	21.61	21.52				5	16QAM	1	12	22.27	22.49	22.45			
5	16QAM	1	24	21.53	21.62	21.50				5	16QAM	1	24	22.23	22.43	22.25			
5	16QAM	12	0	21.22	21.10	21.24	21.5	2		5	16QAM	12	0	21.70	21.82	21.94	22	2	
5	16QAM	12	7	21.25	21.19	21.17				5	16QAM	12	7	21.79	21.92	21.73			
5	16QAM	12	13	21.09	21.07	21.07				5	16QAM	12	13	21.78	21.98	21.98			
5	16QAM	25	0	21.34	21.20	21.15				5	16QAM	25	0	21.67	21.42	21.35			
5	64QAM	1	0	20.97	20.91	20.98				5	64QAM	1	0	21.58	21.53	21.57			
5	64QAM	1	12	21.04	21.08	21.11	21.5	2		5	64QAM	1	12	21.77	21.69	21.49	22	2	
5	64QAM	1	24	20.90	21.02	20.93				5	64QAM	1	24	21.53	21.48	21.28			
5	64QAM	12	0	19.82	20.07	19.92				5	64QAM	12	0	20.71	20.50	20.52			
5	64QAM	12	7	20.02	20.19	20.07				5	64QAM	12	7	20.89	20.96	20.86			
5	64QAM	12	13	20.07	20.02	20.12				5	64QAM	12	13	20.95	20.79	20.70			
5	64QAM	25	0	20.05	20.19	20.03	20.5	3		5	64QAM	25	0	20.83	20.70	20.53	21	3	
Channel				18515															



Reduced Power - DSI 3 for Head

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	28.75	28.63	28.61	29.50	19.75	19.63	19.61	20.50
GSM 1 Tx slot	28.83	28.85	28.64	29.50	19.83	19.85	19.64	20.50
GPRS 1 Tx slot	25.80	25.57	25.50	26.50	19.80	19.57	19.50	20.50
GPRS 3 Tx slots	24.11	23.80	23.67	24.76	19.85	19.54	19.41	20.50
GPRS 4 Tx slots	22.91	22.63	22.53	23.50	19.91	19.63	19.53	20.50
EDGE 1 Tx slot	25.72	25.74	25.52	27.00	16.72	16.74	16.52	18.00
EDGE 2 Tx slots	24.08	24.13	23.71	25.20	18.08	18.13	17.71	19.20
EDGE 3 Tx slots	22.38	22.35	21.96	23.80	18.12	18.09	17.70	19.54
EDGE 4 Tx slots	21.58	21.38	21.18	22.80	18.58	18.38	18.18	19.80

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4367	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.55	22.07	21.97	23.30
3GPP Rel 99	AMR 12.2Kbps	22.06	22.26	22.23	23.30
3GPP Rel 6	HSDPA Subtest-1	21.47	21.32	21.35	22.30
3GPP Rel 6	HSDPA Subtest-2	21.43	21.36	21.36	22.30
3GPP Rel 6	HSDPA Subtest-3	20.95	20.84	20.87	21.80
3GPP Rel 6	HSDPA Subtest-4	20.98	20.86	20.87	21.80
3GPP Rel 8	DC-HSDPA Subtest-1	21.46	21.31	21.33	22.30
3GPP Rel 8	DC-HSDPA Subtest-2	21.42	21.34	21.35	22.30
3GPP Rel 8	DC-HSDPA Subtest-3	20.93	20.83	20.86	21.80
3GPP Rel 8	DC-HSDPA Subtest-4	20.94	20.85	20.84	21.80
3GPP Rel 6	HSUPA Subtest-1	21.49	21.39	21.37	22.30
3GPP Rel 6	HSUPA Subtest-2	19.45	19.35	19.37	20.30
3GPP Rel 6	HSUPA Subtest-3	20.47	20.36	20.35	21.30
3GPP Rel 6	HSUPA Subtest-4	19.45	19.36	19.34	20.30
3GPP Rel 6	HSUPA Subtest-5	21.50	21.40	21.40	22.30

Band 5 (Cellular Band) Part 22f(only on channel required)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	22.42	22.74	22.47	23.8	0	
10	QPSK	1	25	22.38	22.39	22.41			
10	QPSK	1	49	22.42	22.29	22.39			
10	QPSK	25	0	22.47	22.49	22.41			
10	QPSK	25	12	22.47	22.41	22.39			
10	QPSK	25	25	22.43	22.33	22.45	23.8	0	
10	QPSK	50	0	22.51	22.53	22.35			
10	16QAM	1	0	22.69	22.70	22.67			
10	16QAM	1	25	22.67	22.64	22.62			
10	16QAM	1	49	22.56	22.57	22.51			
10	16QAM	25	0	22.00	21.98	21.78	23	0.8	
10	16QAM	25	12	22.01	21.97	21.93			
10	16QAM	25	25	21.92	21.84	21.92			
10	16QAM	50	0	22.02	21.90	21.92			
10	64QAM	1	0	21.71	21.68	21.79			
10	64QAM	1	25	21.92	21.96	21.87	23	0.8	
10	64QAM	1	49	21.88	21.75	21.82			
10	64QAM	25	0	21.13	20.90	21.16			
10	64QAM	25	12	21.00	21.00	21.12			
10	64QAM	25	25	20.99	20.96	20.91			
10	64QAM	50	0	20.98	21.12	20.88	22	1.8	
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	22.55	22.58	22.45	23.8	0	
5	QPSK	1	12	22.40	22.29	22.47			
5	QPSK	1	24	22.37	22.25	22.41			
5	QPSK	12	0	22.53	22.41	22.39			
5	QPSK	12	7	22.50	22.45	22.45			
5	QPSK	12	13	22.49	22.39	22.47	23.8	0	
5	QPSK	25	0	22.51	22.42	22.37			
5	16QAM	1	0	22.64	22.72	22.67			
5	16QAM	1	12	22.71	22.56	22.43			
5	16QAM	1	24	22.70	22.62	22.73			
5	16QAM	12	0	22.06	21.92	21.88	23	0.8	
5	16QAM	12	7	21.99	21.99	21.92			
5	16QAM	12	13	22.00	21.95	21.89			
5	16QAM	25	0	22.07	21.93	21.89			
5	64QAM	1	0	22.19	22.23	22.21			
5	64QAM	1	12	22.15	22.38	22.00	23	0.8	
5	64QAM	1	24	22.44	22.09	22.07			
5	64QAM	12	0	21.02	20.95	20.96			
5	64QAM	12	7	21.07	21.01	21.00			
5	64QAM	12	13	21.15	21.21	20.93			
5	64QAM	25	0	21.03	21.08	21.10	22	1.8	
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	22.52	22.37	22.35	23.8	0	
3	QPSK	1	8	22.54	22.41	22.39			
3	QPSK	1	14	22.39	22.32	22.33			
3	QPSK	8	0	22.57	22.41	22.49			
3	QPSK	8	4	22.60	22.48	22.51			
3	QPSK	8	7	22.57	22.42	22.46	23.8	0	
3	QPSK	15	0	22.58	22.44	22.35			
3	16QAM	1	0	22.70	22.67	22.71			
3	16QAM	1	8	22.71	22.71	22.68			
3	16QAM	1	14	22.69	22.64	22.65			
3	16QAM	8	0	22.06	21.99	21.91	23	0.8	
3	16QAM	8	4	22.13	22.00	21.95			
3	16QAM	8	7	22.04	21.96	21.95			
3	16QAM	15	0	22.05	21.93	21.87			
3	64QAM	1	0	22.06	22.08	22.08			
3	64QAM	1	8	22.16	22.32	22.39	23	0.8	
3	64QAM	1	14	22.07	21.94	21.99			
3	64QAM	8	0	21.07	21.08	21.11			
3	64QAM	8	4	21.10	21.15	21.37			
3	64QAM	8	7	21.01	21.35	20.99			
3	64QAM	15	0	21.05	20.94	20.95	22	1.8	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	22.32	22.23	22.25	23.8	0	
1.4	QPSK	1	3	22.46	22.36	22.39			
1.4	QPSK	1	5	22.35	22.29	22.45			
1.4	QPSK	3	0	22.43	22.31	22.33			
1.4	QPSK	3	1	22.43	22.33	22.37			
1.4	QPSK	3	3	22.35	22.36	22.27	23.8	0	
1.4	QPSK	6	0	22.43	22.35	22.34			
1.4	16QAM	1	0	22.58	22.53	22.54			
1.4	16QAM	1	3	22.63	22.70	22.72			
1.4	16QAM	1	5	22.63	22.48	22.65			
1.4	16QAM	3	0	22.53	22.36	22.35	23	0.8	
1.4	16QAM	3	1	22.44	22.38	22.39			
1.4	16QAM	3	3	22.35	22.28	22.24			
1.4	16QAM	6	0	22.04	21.97	22.04			
1.4	64QAM	1	0	22.06	22.06	22.10			
1.4	64QAM	1	3	22.11	22.04	22.05	23	0.8	
1.4	64QAM	1	5	22.10	21.92	22.11			
1.4	64QAM	3	0	22.10	22.00	21.99			
1.4	64QAM	3	1	22.09	22.28	21.99			
1.4	64QAM	3	3	22.07	22.09	22.04			
1.4	64QAM	6	0	21.39	21.25	21.34	22	1.8	

Band 12 (700MHz Low Band) Part 27f(only on channel required)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	21.44	21.75	21.57	22.6	0	
10	QPSK	1	25	21.33	21.44	21.35			
10	QPSK	1	49	21.33	21.35	21.26			
10	QPSK	25	0	21.40	21.50	21.48			
10	QPSK	25	12	21.49	21.38	21.48			
10	QPSK	25	25	21.42	21.45	21.38	22.6	0	
10	QPSK	50	0	21.49	21.53	21.51			
10	16QAM	1	0	21.33	21.33	21.34			
10	16QAM	1	25	21.32	21.37	21.34			
10	16QAM	1	49	21.54	21.38	21.39			
10	16QAM	25	0	21.43	21.36	21.33	22.6	0	
10	16QAM	25	12	21.56	21.41	21.51			
10	16QAM	25	25	21.50	21.53	21.44			
10	16QAM	50	0	21.48	21.36	21.45			
10	64QAM	1	0	21.37	21.43	21.60			
10	64QAM	1	25	21.34	21.64	21.41	22.6	0	
10	64QAM	1	49	21.52	21.28	21.38			
10	64QAM	25	0	21.15	21.37	20.99			
10	64QAM	25	12	21.16	20.91	21.05			
10	64QAM	25	25	20.96	20.96	21.07			
10	64QAM	50	0	21.22	21.01	20.99	22	0.6	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	21.48	21.44	21.34	22.6	0	
5	QPSK	1	12	21.31	21.35	21.35			
5	QPSK	1	24	21.33	21.36	21.44			
5	QPSK	12	0	21.56	21.55	21.47			
5	QPSK	12	7	21.51	21.43	21.52			
5	QPSK	12	13	21.45	21.41	21.38	22.6	0	
5	QPSK	25	0	21.52	21.46	21.34			
5	16QAM	1	0	21.66	21.71	21.63			
5	16QAM	1	12	21.64	21.72	21.61	22.6	0	
5	16QAM	1	24	21.58	21.68	21.61			
5	16QAM	12	0	21.52	21.55	21.52			
5	16QAM	12	7	21.49	21.56	21.47	22.6	0	
5	16QAM	12	13	21.46	21.48	21.46			
5	16QAM	25	0	21.57	21.48	21.43			
5	64QAM	1	0	21.42	21.45	21.52	22.6	0	
5	64QAM	1	12	21.46	21.46	21.58			
5	64QAM	1	24	21.57	21.55	21.49			
5	64QAM	12	0	21.03	21.02	21.00			
5	64QAM	12	7	21.13	21.15	21.03			
5	64QAM	12	13	20.92	21.15	21.15	22	0.6	
5	64QAM	25	0	20.99	21.03	21.15			
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	21.52	21.44	21.31	22.6	0	
3	QPSK	1	8	21.44	21.38	21.38			
3	QPSK	1	14	21.36	21.37	21.36			
3	QPSK	8	0	21.50	21.51	21.42			
3	QPSK	8	4	21.44	21.54	21.49			
3	QPSK	8	7	21.41	21.50	21.44	22.6	0	
3	QPSK	15	0	21.48	21.37	21.33			
3	16QAM	1	0	21.71	21.72	21.65			
3	16QAM	1	8	21.72	21.74	21.69	22.6	0	
3	16QAM	1	14	21.66	21.58	21.64			
3	16QAM	8	0	21.57	21.51	21.45			
3	16QAM	8	4	21.52	21.63	21.53	22.6	0	
3	16QAM	8	7	21.46	21.52	21.41			
3	16QAM	15	0	21.49	21.47	21.41			
3	64QAM	1	0	21.58	21.30	21.55	22.6	0	
3	64QAM	1	8	21.64	21.40	21.30			
3	64QAM	1	14	21.63	21.51	21.51			
3	64QAM	8	0	20.98	21.35	20.92			
3	64QAM	8	4	21.31	21.03	20.97			
3	64QAM	8	7	21.18	20.98	21.15	22	0.6	
3	64QAM	15	0	21.05	20.91	21.15			
Channel				23017	23095	23175			
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	21.15	21.23	21.13	22.6	0	
1.4	QPSK	1	3	21.36	21.31	21.25			
1.4	QPSK	1	5	21.21	21.21	21.18			
1.4	QPSK	3	0	21.36	21.28	21.24			
1.4	QPSK	3	1	21.37	21.32	21.26			
1.4	QPSK	3	3	21.27	21.32	21.23	22.6	0	
1.4	QPSK	6	0	21.37	21.28	21.27			
1.4	16QAM	1	0	21.58	21.50	21.53			
1.4	16QAM	1	3	21.59	21.69	21.58			
1.4	16QAM	3	1	21.37	21.40	21.29			
1.4	16QAM	3	1	21.38	21.36	21.40	22.6	0	
1.4	16QAM	3	3	21.33	21.33	21.20			
1.4	16QAM	6	0	21.48	21.46	21.39			
1.4	64QAM	1	0	21.58	21.48	21.39	22.6	0	
1.4	64QAM	1	3	21.21	21.26	21.24			
1.4	64QAM	1	5	21.26	21.26	21.31			
1.4	64QAM	3	0	21.21	21.28	21.27			
1.4	64QAM	3	1	21.52	21.42	21.28			
1.4	64QAM	3	3	21.24	21.26	21.25	22	0.6	
1.4	64QAM	6	0	21.28	20.82	21.26			
Channel				23017	23095	23175			

Band 13(700MHz Band)								
Part 27F								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23230			22	0
Frequency (MHz)				782				
10	QPSK	1	0		21.34		22	0
10	QPSK	1	25		21.30			
10	QPSK	1	49		21.34			
10	QPSK	25	0		21.17			
10	QPSK	25	12		21.15		22	0
10	QPSK	25	25		21.08			
10	QPSK	50	0		21.18			
10	16QAM	1	0		21.25			
10	16QAM	1	25		21.27		22	0
10	16QAM	1	49		21.17			
10	16QAM	25	0		21.12			
10	16QAM	25	12		21.22			
10	16QAM	25	25		21.10		22	0
10	16QAM	50	0		21.23			
10	64QAM	1	0		21.20			
10	64QAM	1	25		21.12		22	0
10	64QAM	1	49		21.27			
10	64QAM	25	0		21.19			
10	64QAM	25	12		21.25			
10	64QAM	25	25		21.19		22	0
10	64QAM	50	0		21.17			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	21.04	21.01	21.03	22	0
5	QPSK	1	12	21.10	21.00	21.00		
5	QPSK	1	24	21.00	21.03	20.94		
5	QPSK	12	0	21.20	21.18	21.13		
5	QPSK	12	7	21.14	21.16	21.08	22	0
5	QPSK	12	13	21.19	21.14	21.08		
5	QPSK	25	0	21.15	21.14	21.09		
5	16QAM	1	0	21.30	21.28	21.29		
5	16QAM	1	12	21.18	21.19	21.33	22	0
5	16QAM	1	24	21.20	21.28	21.26		
5	16QAM	12	0	21.20	21.12	21.12		
5	16QAM	12	7	21.29	21.18	21.14		
5	16QAM	12	13	21.17	21.13	21.18	22	0
5	16QAM	25	0	21.20	21.16	21.11		
5	64QAM	1	0	21.25	21.27	21.22		
5	64QAM	1	12	21.28	21.26	21.27		
5	64QAM	1	24	21.25	21.28	21.24	22	0
5	64QAM	12	0	21.25	21.19	21.19		
5	64QAM	12	7	21.24	21.24	21.18		
5	64QAM	12	13	21.24	21.15	21.13		
5	64QAM	25	0	21.26	21.28	21.10		

Reduced Power - DSI 3 for Head_Ant 3

Band 2 (1900MHz Band)											
Part 24E											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				18700	18900	19100					
Frequency (MHz)				1860	1880	1900					
20	QPSK	1	0	18.17	18.25	18.82	20	0			
20	QPSK	1	49	19.14	19.19	19.12					
20	QPSK	1	99	19.05	18.94	18.96					
20	QPSK	50	0	18.95	19.12	18.93					
20	QPSK	50	24	19.05	19.10	18.96					
20	QPSK	50	50	18.91	18.93	18.97	20	0			
20	QPSK	100	0	18.86	19.03	18.89					
20	16QAM	1	0	18.62	18.66	18.66					
20	16QAM	1	49	18.59	18.62	18.65					
20	16QAM	1	99	18.56	18.60	18.73					
20	16QAM	50	0	18.95	19.07	18.85	20	0			
20	16QAM	50	24	19.00	19.04	18.80					
20	16QAM	50	50	19.05	19.01	19.03					
20	16QAM	100	0	19.02	19.04	19.00					
20	64QAM	1	0	18.99	19.03	19.02	20	0			
20	64QAM	1	49	18.93	19.12	19.04					
20	64QAM	1	99	18.79	18.68	18.63					
20	64QAM	50	0	19.17	19.15	19.21					
20	64QAM	50	24	19.23	19.10	19.16					
20	64QAM	50	50	19.22	19.10	19.22	20	0			
20	64QAM	100	0	19.18	19.13	19.10					
Channel				18875	18900	19125	Tune-up limit (dBm)				
Frequency (MHz)				18875	18900	19125	MPR (dB)				
15	QPSK	1	0	19.06	19.10	18.85	20	0			
15	QPSK	1	37	19.06	19.22	19.22					
15	QPSK	1	74	19.21	19.04	19.03					
15	QPSK	36	0	18.89	19.20	18.98					
15	QPSK	36	20	18.89	19.14	19.23					
15	QPSK	36	39	18.91	19.20	19.08	20	0			
15	QPSK	75	0	18.87	18.99	19.23					
15	16QAM	1	0	18.64	18.59	18.68					
15	16QAM	1	37	18.58	18.58	18.71					
15	16QAM	1	74	18.57	18.49	18.25					
15	16QAM	36	0	18.96	19.12	19.14	20	0			
15	16QAM	36	20	19.13	19.13	19.15					
15	16QAM	36	39	19.04	19.01	19.99					
15	16QAM	75	0	18.99	19.04	19.19					
15	64QAM	1	0	19.10	19.03	19.18	20	0			
15	64QAM	1	37	19.08	19.21	19.20					
15	64QAM	1	74	18.86	18.96	18.97					
15	64QAM	36	0	19.13	19.07	19.24					
15	64QAM	36	20	19.24	19.22	19.21					
15	64QAM	36	39	19.13	19.02	19.12	20	0			
15	64QAM	75	0	18.96	19.13	19.18					
Channel				18950	18900	19150	Tune-up limit (dBm)				
Frequency (MHz)				18950	18900	19150	MPR (dB)				
10	QPSK	1	0	19.19	19.11	18.85	20	0			
10	QPSK	1	25	19.03	19.23	19.09					
10	QPSK	1	49	19.09	19.11	19.10					
10	QPSK	25	0	18.74	19.21	18.89					
10	QPSK	25	12	19.02	19.07	19.16					
10	QPSK	25	25	19.02	19.21	19.04	20	0			
10	QPSK	50	0	18.83	18.94	19.18					
10	16QAM	1	0	18.55	18.60	18.69					
10	16QAM	1	25	18.66	18.61	18.74					
10	16QAM	1	49	18.74	18.53	18.29					
10	16QAM	25	0	18.77	19.01	19.03	20	0			
10	16QAM	25	12	19.01	19.05	19.07					
10	16QAM	25	25	18.76	18.98	18.96					
10	16QAM	50	0	18.83	18.94	19.09					
10	64QAM	1	0	19.04	19.16	19.21	20	0			
10	64QAM	1	25	19.15	19.14	19.11					
10	64QAM	1	49	18.99	18.95	19.23					
10	64QAM	25	0	19.07	19.12	19.20					
10	64QAM	25	12	19.05	19.14	19.20					
10	64QAM	25	25	19.11	18.98	19.08	20	0			
10	64QAM	50	0	18.82	19.17	19.20					
Channel				18955	18900	19155	Tune-up limit (dBm)				
Frequency (MHz)				18955	18900	19155	MPR (dB)				
5	QPSK	1	0	19.08	19.13	19.21	20	0			
5	QPSK	1	12	19.00	18.97	19.19					
5	QPSK	1	24	18.94	19.08	19.16					
5	QPSK	12	0	19.01	18.86	18.96					
5	QPSK	12	7	19.21	19.11	19.03					
5	QPSK	12	13	19.07	18.78	18.86	20	0			
5	QPSK	25	0	19.17	19.17	19.00					
5	16QAM	1	0	18.93	18.55	18.93					
5	16QAM	1	12	18.83	18.53	18.49					
5	16QAM	1	24	18.45	18.56	18.56					
5	16QAM	12	0	19.03	19.05	18.87	20	0			
5	16QAM	12	7	19.18	19.18	19.19					
5	16QAM	12	13	19.04	19.07	18.78					
5	16QAM	25	0	19.11	19.21	19.16					
5	64QAM	1	0	18.94	18.99	18.94	20	0			
5	64QAM	1	12	18.93	18.73	18.79					
5	64QAM	1	24	18.85	18.88	18.05					
5	64QAM	12	0	19.12	19.14	19.01					
5	64QAM	12	7	19.07	19.14	19.03					
5	64QAM	12	13	19.02	19.12	19.02	20	0			
5	64QAM	25	0	18.12	19.13	18.88					
Channel				18915	18900	19155	Tune-up limit (dBm)				
Frequency (MHz)				18915	18900	19155	MPR (dB)				
3	QPSK	1	0	19.05	19.15	19.11	20	0			
3	QPSK	1	8	19.10	19.23	19.12					
3	QPSK	1	14	19.18	19.13	19.23					
3	QPSK	8	0	18.88	18.94	18.77					
3	QPSK	8	4	19.01	19.14	18.94					
3	QPSK	8	7	18.95	18.90	18.88	20	0			
3	QPSK	15	0	18.95	19.15	19.05					
3	16QAM	1	0	18.25	18.56	18.64					
3	16QAM	1	8	18.41	18.64	18.61					
3	16QAM	1	14	18.43	18.35	18.44					
3	16QAM	8	0	18.97	19.09	18.97	20	0			
3	16QAM	8	4	19.20	19.18	19.12					
3	16QAM	8	7	19.03	18.99	18.87					
3	16QAM	15	0	18.99	19.23	19.09					
3	64QAM	1	0	18.96	18.98	19.07					
3	64QAM	1	8	19.03	19.08	19.12	20	0			
3	64QAM	1	14	18.71	18.90	19.02					
3	64QAM	8	0	19.18	19.11	19.21					
3	64QAM	8	4	19.17	19.16	19.04					
3	64QAM	8	7	19.09	19.06	19.00					
3	64QAM	15	0	18.95	18.99	18.97	20	0			
Channel				18907	18900	19163	Tune-up limit (dBm)				
Frequency (MHz)				18907	18900	19163	MPR (dB)				
1.4	QPSK	1	0	19.03	19.08	19.12	20	0			
1.4	QPSK	1	3	18.71	18.80	19.02					
1.4	QPSK	1	5	19.18	19.11	19.21					
1.4	QPSK	3	0	18.95	18.99	18.97					
1.4	QPSK	3	1	18.95	18.93	18.96					
1.4	QPSK	3	3	18.91	18.93	18.97	20	0			
1.4	QPSK	6	0	18.98	19.03	19.09					
1.4	16QAM	1	0	18.62	18.66	18.68					
1.4	16QAM	1	3	18.95	18.93	18.75					
1.4	16QAM	1	5	18.91	18.93	18.73					
1.4	16QAM	3	0	18.98	19.03	18.95	20	0			
1.4	16QAM	3	1	19.11	19.21	19.16					
1.4	16QAM	3	3	18.94	18.99	18.94					
1.4	16QAM	6	0	18.93	19.03	19.09					
1.4	64QAM	1	0	18.85	18.98	19.05					
1.4	64QAM	1	3	19.13	19.12	19.14	20	0			
1.4	64QAM	1	5	18.99	18.98	18.93					
1.4	64QAM	3	0	19.17	19.10	19.21					
1.4	64QAM	3	1	19.23	19.10	19.23					
1.4	64QAM	3	3	19.22	19.10	19.22	20	0			
1.4	64QAM	6	0	19.18	19.13	19.10					



Reduced Power - DSI 2 for Hotspot

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.81	19.85	19.84	20.80	20.93	20.97	20.76	21.60
3GPP Rel 99	RMC 12.2Kbps	19.82	19.86	19.84	20.80	20.94	20.98	20.77	21.60
3GPP Rel 6	HSDPA Subtest-1	19.08	19.01	19.02	19.90	20.06	20.08	19.99	20.60
3GPP Rel 6	HSDPA Subtest-2	19.13	18.98	19.03	19.90	20.06	20.08	20.01	20.60
3GPP Rel 6	HSDPA Subtest-3	18.63	18.48	18.58	19.40	19.57	19.60	19.52	20.10
3GPP Rel 6	HSDPA Subtest-4	18.60	18.51	18.53	19.40	19.50	19.55	19.49	20.10
3GPP Rel 8	DC-HSDPA Subtest-1	19.07	19.02	19.03	19.90	20.07	20.09	20.00	20.60
3GPP Rel 8	DC-HSDPA Subtest-2	19.11	18.99	19.01	19.90	20.05	20.07	20.02	20.60
3GPP Rel 8	DC-HSDPA Subtest-3	18.62	18.50	18.57	19.40	19.56	19.61	19.53	20.10
3GPP Rel 8	DC-HSDPA Subtest-4	18.58	18.53	18.55	19.40	19.51	19.54	19.50	20.10
3GPP Rel 6	HSUPA Subtest-1	19.06	18.90	19.06	19.90	20.04	20.10	19.96	20.60
3GPP Rel 6	HSUPA Subtest-2	17.06	16.97	17.04	17.90	18.01	18.07	17.98	18.60
3GPP Rel 6	HSUPA Subtest-3	18.09	17.98	18.07	18.90	19.05	19.10	18.97	19.60
3GPP Rel 6	HSUPA Subtest-4	17.07	16.95	17.10	17.90	18.02	18.08	17.98	18.60
3GPP Rel 6	HSUPA Subtest-5	18.10	19.00	19.10	19.90	20.00	20.10	20.00	20.60

Band 2 (1900MHz Band) Part 24E									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	20.35	20.39	20.36			
20	QPSK	1	49	20.35	20.35	20.35	21	0	
20	QPSK	1	99	20.35	20.38	20.33			
20	QPSK	50	0	20.25	20.26	20.22			
20	QPSK	50	24	20.19	20.21	20.19			
20	QPSK	50	50	20.22	20.21	20.18	21	0	
20	QPSK	100	0	20.24	20.29	20.16			
20	16QAM	1	0	20.30	20.38	20.22			
20	16QAM	1	49	20.35	20.38	20.37	21	0	
20	16QAM	1	99	20.28	20.23	20.30			
20	16QAM	50	0	20.11	19.95	20.06			
20	16QAM	50	24	20.19	20.17	20.08	21	0	
20	16QAM	50	50	20.15	20.17	20.18			
20	16QAM	100	0	20.16	20.11	20.09			
20	84QAM	1	0	20.19	20.23	20.22			
20	84QAM	1	49	20.06	19.98	20.01	21	0	
20	84QAM	1	99	20.19	20.28	20.25			
20	84QAM	50	0	20.04	20.03	20.01			
20	84QAM	50	24	20.17	20.10	20.05	21	0	
20	84QAM	50	50	20.23	20.21	20.24			
20	84QAM	100	0	20.08	20.14	20.01			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	20.28	20.28	20.27	21	0	
15	QPSK	1	37	20.29	20.19	20.25			
15	QPSK	1	74	20.31	20.24	20.30			
15	QPSK	36	0	20.36	20.23	20.31	21	0	
15	QPSK	36	20	20.16	20.12	20.12			
15	QPSK	36	39	20.10	20.11	20.17			
15	QPSK	75	0	20.09	20.05	20.03			
15	16QAM	1	0	20.28	20.30	20.34	21	0	
15	16QAM	1	37	20.25	20.28	20.31			
15	16QAM	1	74	20.35	20.33	20.36			
15	16QAM	36	0	20.02	19.94	20.04			
15	16QAM	36	20	20.21	20.11	20.07	21	0	
15	16QAM	36	39	20.17	20.15	20.12			
15	16QAM	75	0	20.15	20.13	20.08			
15	84QAM	1	0	20.24	20.26	20.20	21	0	
15	84QAM	1	37	20.10	20.05	19.99			
15	84QAM	1	74	20.31	20.21	20.09			
15	84QAM	36	0	20.02	20.06	19.99	21	0	
15	84QAM	36	20	20.14	19.93	20.13			
15	84QAM	36	39	20.20	20.18	19.99			
15	84QAM	75	0	20.14	19.93	20.07			
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	20.33	20.35	20.26	21	0	
10	QPSK	1	25	20.29	20.14	20.35			
10	QPSK	1	49	20.35	20.21	20.21			
10	QPSK	25	0	20.35	20.33	20.34	21	0	
10	QPSK	25	12	20.38	20.22	20.34			
10	QPSK	25	25	20.15	20.11	20.14			
10	QPSK	50	0	20.10	20.11	20.05			
10	16QAM	1	0	20.32	20.36	20.36	21	0	
10	16QAM	1	25	20.34	20.31	20.33			
10	16QAM	1	49	20.38	20.35	20.37			
10	16QAM	25	0	20.14	20.13	20.03	21	0	
10	16QAM	25	12	20.14	20.18	20.03			
10	16QAM	25	25	20.14	20.11	20.14			
10	16QAM	50	0	20.15	20.07	20.02			
10	84QAM	1	0	20.37	20.16	20.26	21	0	
10	84QAM	1	25	20.38	19.96	20.08			
10	84QAM	1	49	20.20	20.34	20.12			
10	84QAM	25	0	20.11	20.16	20.12			
10	84QAM	25	12	19.99	20.00	20.02	21	0	
10	84QAM	25	25	20.12	20.11	20.13			
10	84QAM	50	0	20.13	20.11	20.10			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	20.31	20.33	20.30	21	0	
5	QPSK	1	12	20.34	20.32	20.20			
5	QPSK	1	24	20.31	20.24	20.34			
5	QPSK	12	0	20.12	20.05	20.10	21	0	
5	QPSK	12	7	20.13	20.12	20.15			
5	QPSK	12	13	20.15	20.04	20.10			
5	QPSK	25	0	20.11	20.06	20.13			
5	16QAM	1	0	20.35	20.28	20.34	21	0	
5	16QAM	1	12	20.37	20.29	20.27			
5	16QAM	1	24	20.32	20.37	20.35			
5	16QAM	12	0	20.07	20.05	20.15			
5	16QAM	12	7	20.13	20.09	20.14	21	0	
5	16QAM	12	13	20.11	20.10	20.11			
5	16QAM	25	0	20.16	20.05	20.10			
5	84QAM	1	0	20.23	20.14	20.11	21	0	
5	84QAM	1	12	20.01	20.15	20.13			
5	84QAM	1	24	20.19	20.19	20.15			
5	84QAM	12	0	20.10	20.12	20.11			
5	84QAM	12	7	20.21	20.20	20.23	21	0	
5	84QAM	12	13	20.23	20.19	19.95			
5	84QAM	25	0	20.02	20.03	20.01			
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	20.24	20.26	20.23	21	0	
3	QPSK	1	8	20.35	20.31	20.37			
3	QPSK	1	14	20.34	20.28	20.28			
3	QPSK	8	0	20.07	20.06	20.07	21	0	
3	QPSK	8	4	20.17	20.11	20.12			
3	QPSK	8	7	20.11	20.10	20.08			
3	QPSK	15	0	20.11	20.06	20.10			
3	16QAM	1	0	20.29	20.34	20.26	21	0	
3	16QAM	1	8	20.36	20.32	20.31			
3	16QAM	1	14	20.34	20.29	20.32			
3	16QAM	8	0	20.11	20.11	20.15	21	0	
3	16QAM	8	4	20.22	20.13	20.13			
3	16QAM	8	7	20.18	20.13	20.16			
3	16QAM	15	0	20.14	20.06	20.06			
3	84QAM	1	0	20.17	20.17	20.27	21	0	
3	84QAM	1	8	20.34	20.32	20.28			
3	84QAM	1	14	20.03	19.95	20.19			
3	84QAM	8	0	20.18	20.10	20.02	21	0	
3	84QAM	8	4	20.19	20.14	20.13			
3	84QAM	8	7	20.15	20.12	20.13			
3	84QAM	15	0	20.13	19.97	20.03			
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	20.21	20.15	20.22	21	0	
1.4	QPSK	1	3	20.27	20.29	20.35			
1.4	QPSK	1	5	20.22	20.20	20.19			
1.4	QPSK	3	0	20.20	20.17	20.21	21	0	
1.4	QPSK	3	1	20.24	20.27	20.24			
1.4	QPSK	3	3	20.29	20.22	20.20			
1.4	QPSK	6	0	20.03	20.01	20.00			
1.4	16QAM	1	0	20.30	20.29	20.25	21	0	
1.4	16QAM	1	3	20.27	20.23	20.24			
1.4	16QAM	1	5	20.17	20.16	20.19			
1.4	16QAM	3	0	19.99	19.92	19.94			
1.4	16QAM	3	1	20.03	20.00	20.06	21	0	
1.4	16QAM	3	3	20.05	19.94	19.96			
1.4	16QAM	6	0	20.10	20.10	20.12			
1.4	84QAM	1	0	20.12	20.10	20.08	21	0	
1.4	84QAM	1	3	19.95	20.20	20.12			
1.4	84QAM	1	5	20.13	20.04	19.93			
1.4	84QAM	3	0	19.96	20.06	20.06			
1.4	84QAM	3	1	20.17	20.18	20.16			
1.4	84QAM	3	3	20.15	20.07	19.94			
1.4	84QAM	6	0	20.04	20.00	19.93	21	0	

Band 4 (AWS Band)									
Part 27L (only on channel required)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20500	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	20.13	20.33	20.20	21.4	0	
20	QPSK	1	49	20.26	20.23	20.16			
20	QPSK	1	99	20.05	20.09	20.08			
20	QPSK	50	0	20.01	19.98	20.08	21.4	0	
20	QPSK	50	24	20.03	20.07	19.98			
20	QPSK	50	50	20.05	20.09	20.06			
20	QPSK	100	0	20.11	20.09	20.21	21.4	0	
20	16QAM	1	0	20.01	20.11	20.19			
20	16QAM	1	49	19.99	19.97	20.08			
20	16QAM	1	99	20.02	20.16	19.99	21.4	0	
20	16QAM	50	0	19.81	19.90	19.89			
20	16QAM	50	24	19.83	19.83	19.91			
20	16QAM	50	50	19.84	19.88	19.82	21.4	0	
20	16QAM	100	0	19.88	19.85	19.90			
20	64QAM	1	0	19.96	19.98	20.12			
20	64QAM	1	49	19.75	19.87	19.83	21.4	0	
20	64QAM	1	99	20.01	19.78	19.85			
20	64QAM	50	0	19.89	19.96	19.81			
20	64QAM	50	24	19.94	19.90	19.96	21.4	0	
20	64QAM	50	50	19.79	19.80	19.86			
20	64QAM	100	0	19.86	19.81	19.84			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	20.09	20.05	20.07	21.4	0	
15	QPSK	1	37	19.96	19.94	19.92			
15	QPSK	1	74	19.98	20.03	19.91			
15	QPSK	36	0	20.17	20.09	20.08	21.4	0	
15	QPSK	36	20	20.17	20.06	20.04			
15	QPSK	36	39	20.06	20.12	20.12			
15	QPSK	75	0	20.13	20.04	20.00	21.4	0	
15	16QAM	1	0	20.19	20.20	20.13			
15	16QAM	1	37	20.12	20.20	20.14			
15	16QAM	1	74	20.18	20.06	20.03	21.4	0	
15	16QAM	36	0	20.21	20.20	20.12			
15	16QAM	36	20	20.15	20.13	20.05			
15	16QAM	36	39	20.14	20.14	20.16	21.4	0	
15	16QAM	75	0	20.18	20.12	20.09			
15	64QAM	1	0	20.28	20.13	20.21			
15	64QAM	1	37	20.23	20.25	20.28	21.4	0	
15	64QAM	1	74	20.10	20.18	20.03			
15	64QAM	36	0	20.27	20.05	20.21			
15	64QAM	36	20	20.19	20.09	20.05	21.4	0	
15	64QAM	36	39	20.15	20.22	20.13			
15	64QAM	75	0	20.05	20.07	20.05			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	20.17	20.08	20.00	21.4	0	
10	QPSK	1	25	20.12	20.11	20.02			
10	QPSK	1	49	19.96	19.95	19.99			
10	QPSK	25	0	20.10	20.04	20.08	21.4	0	
10	QPSK	25	12	20.19	20.04	20.05			
10	QPSK	25	25	20.18	20.12	20.03			
10	QPSK	50	0	19.98	20.06	20.03	21.4	0	
10	16QAM	1	0	20.24	20.10	20.11			
10	16QAM	1	25	20.32	20.29	20.28			
10	16QAM	1	49	20.15	20.15	20.24	21.4	0	
10	16QAM	25	0	20.23	20.12	20.09			
10	16QAM	25	12	20.13	20.09	20.03			
10	16QAM	25	25	20.12	20.06	20.03	21.4	0	
10	16QAM	50	0	20.12	20.05	20.06			
10	64QAM	1	0	20.28	20.12	20.13			
10	64QAM	1	25	20.01	20.05	20.07	21.4	0	
10	64QAM	1	49	20.04	20.30	20.26			
10	64QAM	25	0	20.13	20.04	20.12			
10	64QAM	25	12	20.08	20.04	20.11	21.4	0	
10	64QAM	25	25	20.16	20.15	20.07			
10	64QAM	50	0	20.05	20.03	19.99			
Channel				19997.5	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	20.03	19.97	20.00	21.4	0	
5	QPSK	1	12	20.02	20.10	20.13			
5	QPSK	1	24	20.03	20.05	20.07			
5	QPSK	12	0	20.10	20.10	20.12	21.4	0	
5	QPSK	12	7	20.11	20.20	20.13			
5	QPSK	12	13	20.12	20.19	20.13			
5	QPSK	25	0	20.14	20.06	20.10	21.4	0	
5	16QAM	1	0	20.08	20.09	20.21			
5	16QAM	1	12	20.21	20.13	20.08			
5	16QAM	1	24	20.22	20.23	20.13	21.4	0	
5	16QAM	12	0	20.10	20.11	20.13			
5	16QAM	12	7	20.11	20.19	20.18			
5	16QAM	12	13	20.16	20.10	20.13	21.4	0	
5	16QAM	25	0	20.16	20.08	20.06			
5	16QAM	1	0	20.15	20.18	20.29			
5	64QAM	1	12	20.28	20.20	20.25	21.4	0	
5	64QAM	1	24	20.04	19.95	20.00			
5	64QAM	12	0	20.19	20.14	20.13			
5	64QAM	12	7	20.19	19.97	20.23	21.4	0	
5	64QAM	12	13	20.19	20.22	20.21			
5	64QAM	25	0	20.18	20.09	20.09			
Channel				19985	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	19.97	19.99	20.02	21.4	0	
3	QPSK	1	8	20.18	20.14	20.08			
3	QPSK	1	14	20.08	20.11	20.04			
3	QPSK	8	0	20.15	19.98	20.08	21.4	0	
3	QPSK	8	4	20.18	20.13	20.12			
3	QPSK	8	7	20.16	20.10	20.09			
3	QPSK	15	0	20.13	20.16	20.09	21.4	0	
3	16QAM	1	0	20.19	20.15	20.27			
3	16QAM	1	8	20.21	20.27	20.22			
3	16QAM	1	14	20.23	20.23	20.18	21.4	0	
3	16QAM	8	0	20.14	20.16	20.14			
3	16QAM	8	4	20.21	20.22	20.21			
3	16QAM	8	7	20.17	20.21	20.19	21.4	0	
3	16QAM	15	0	20.12	20.13	20.13			
3	64QAM	1	0	20.11	20.14	20.12			
3	64QAM	1	8	20.02	19.89	20.26	21.4	0	
3	64QAM	1	14	20.31	20.32	20.13			
3	64QAM	8	0	20.18	20.12	20.06			
3	64QAM	8	4	20.22	20.24	20.19	21.4	0	
3	64QAM	8	7	20.03	19.98	20.05			
3	64QAM	15	0	20.04	20.08	20.15			
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	20.13	20.14	20.10	21.4	0	
1.4	QPSK	1	3	20.26	20.26	20.17			
1.4	QPSK	1	5	20.18	20.18	20.16			
1.4	QPSK	3	0	20.00	19.94	19.93	21.4	0	
1.4	QPSK	3	1	20.04	20.04	19.96			
1.4	QPSK	3	3	20.01	20.04	19.97			
1.4	QPSK	6	0	20.05	20.02	19.99	21.4	0	
1.4	16QAM	1	0	20.07	20.19	20.05			
1.4	16QAM	1	3	20.11	20.06	20.18			
1.4	16QAM	3	0	19.96	19.98	20.02	21.4	0	
1.4	16QAM	3	5	19.96	20.12	20.14			
1.4	16QAM	3	1	20.09	20.04	20.04			
1.4	16QAM	3	3	20.15	20.03	20.04	21.4	0	
1.4	16QAM	6	0	20.15	20.22	20.19			
1.4	64QAM	1	0	20.21	20.26	20.23			
1.4	64QAM	1	3	19.98	19.97	20.29	21.4	0	
1.4	64QAM	1	5	20.17	20.25	20.20			
1.4	64QAM	3	0	20.15	20.18	19.95			
1.4	64QAM	3	1	20.19	20.00	20.20	21.4	0	
1.4	64QAM	3	3	19.98	20.12	20.13			
1.4	64QAM	6	0	20.05	20.05	20.08			

Band 7 (2600MHz Band)									
Part 27									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.35	20.55	20.51	21.2	0	
20	QPSK	1	49	20.54	20.49	20.41			
20	QPSK	1	99	20.48	20.31	20.29			
20	QPSK	50	0	20.43	20.50	20.36			
20	QPSK	50	24	20.40	20.41	20.40	21.2	0	
20	QPSK	50	50	20.41	20.37	20.45			
20	QPSK	100	0	20.43	20.48	20.39			
20	16QAM	1	0	20.20	20.23	20.08			
20	16QAM	1	49	20.05	20.07	19.95	21.2	0	
20	16QAM	1	99	20.06	19.92	19.92			
20	16QAM	50	0	20.28	20.30	20.11			
20	16QAM	50	24	20.31	20.18	20.06			
20	16QAM	50	50	20.27	20.12	20.03	21.2	0	
20	16QAM	100	0	20.30	20.25	20.03			
20	64QAM	1	0	20.15	20.37	20.29			
20	64QAM	1	49	20.36	20.34	20.23			
20	64QAM	1	99	20.48	20.08	20.17	21.2	0	
20	64QAM	50	0	20.27	20.29	20.15			
20	64QAM	50	24	20.38	20.26	20.11			
20	64QAM	50	50	20.32	20.12	20.09			
20	64QAM	100	0	20.28	20.11	20.00			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.49	20.54	20.41	21.2	0	
15	QPSK	1	37	20.44	20.55	20.34			
15	QPSK	1	74	20.40	20.39	20.40			
15	QPSK	36	0	20.31	20.41	20.24			
15	QPSK	36	20	20.42	20.31	20.26	21.2	0	
15	QPSK	36	39	20.33	20.16	20.23			
15	QPSK	75	0	20.39	20.33	20.21			
15	16QAM	1	0	20.10	20.26	20.04			
15	16QAM	1	37	20.16	20.07	19.99	21.2	0	
15	16QAM	1	74	20.14	19.99	19.97			
15	16QAM	36	0	20.18	20.24	20.04			
15	16QAM	36	20	20.29	20.14	20.03			
15	16QAM	36	39	20.27	20.11	20.01	21.2	0	
15	16QAM	75	0	20.24	20.11	19.98			
15	64QAM	1	0	20.25	20.38	20.15			
15	64QAM	1	37	20.39	20.36	20.09			
15	64QAM	1	74	20.38	20.23	20.13	21.2	0	
15	64QAM	36	0	20.21	20.30	20.04			
15	64QAM	36	20	20.28	20.21	20.05			
15	64QAM	36	39	20.24	20.14	20.03			
15	64QAM	75	0	20.26	20.12	20.00			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.52	20.38	20.40	21.2	0	
10	QPSK	1	25	20.54	20.53	20.38			
10	QPSK	1	49	20.52	20.54	20.36			
10	QPSK	25	0	20.29	20.26	20.19			
10	QPSK	25	12	20.35	20.35	20.26	21.2	0	
10	QPSK	25	25	20.30	20.38	20.16			
10	QPSK	50	0	20.27	20.34	20.14			
10	16QAM	1	0	19.90	20.16	20.01			
10	16QAM	1	25	20.03	20.02	19.95	21.2	0	
10	16QAM	1	49	19.97	19.98	19.91			
10	16QAM	25	0	20.15	20.16	20.00			
10	16QAM	25	12	20.26	20.20	19.98			
10	16QAM	25	25	20.20	20.12	19.97	21.2	0	
10	16QAM	50	0	20.19	20.17	19.90			
10	64QAM	1	0	20.28	20.44	20.17			
10	64QAM	1	25	20.27	20.29	20.15			
10	64QAM	1	49	20.26	20.23	20.13	21.2	0	
10	64QAM	25	0	20.18	20.24	19.99			
10	64QAM	25	12	20.22	20.28	20.00			
10	64QAM	25	25	20.27	20.13	19.99			
10	64QAM	50	0	20.25	20.11	19.96			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	20.51	20.38	20.36	21.2	0	
5	QPSK	1	12	20.54	20.39	20.41			
5	QPSK	1	24	20.35	20.36	20.41			
5	QPSK	12	0	20.38	20.39	20.20			
5	QPSK	12	7	20.36	20.33	20.19	21.2	0	
5	QPSK	12	13	20.35	20.41	20.21			
5	QPSK	25	0	20.39	20.36	20.20			
5	16QAM	1	0	20.02	20.09	20.03			
5	16QAM	1	12	19.99	20.16	19.99	21.2	0	
5	16QAM	1	24	20.16	20.19	19.98			
5	16QAM	12	0	20.18	20.20	19.97			
5	16QAM	12	7	20.23	20.25	19.96			
5	16QAM	12	13	20.22	20.26	19.95	21.2	0	
5	16QAM	25	0	20.19	20.18	19.95			
5	64QAM	1	0	20.29	20.38	20.13			
5	64QAM	1	12	20.33	20.28	20.14			
5	64QAM	1	24	20.31	20.43	20.15	21.2	0	
5	64QAM	12	0	20.26	20.25	20.01			
5	64QAM	12	7	20.24	20.27	19.98			
5	64QAM	12	13	20.23	20.24	19.97			
5	64QAM	25	0	20.20	20.25	19.96			

Band 66										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				135072	135222	135772				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	20.30	20.35	20.22	21.4	0		
20	QPSK	1	49	20.10	20.11	20.13				
20	QPSK	1	99	20.00	20.01	20.05				
20	QPSK	50	0	19.95	20.13	20.07				
20	QPSK	50	24	20.08	20.08	20.05	21.4	0		
20	QPSK	50	50	20.12	20.11	20.10				
20	QPSK	100	0	20.06	20.09	20.05				
20	16QAM	1	0	20.15	20.14	20.15				
20	16QAM	1	49	19.99	20.18	20.19	21.4	0		
20	16QAM	1	99	20.16	20.12	20.01				
20	16QAM	50	0	19.84	19.94	19.87				
20	16QAM	50	24	19.93	19.93	19.85				
20	16QAM	50	50	19.94	19.94	19.91	21.4	0		
20	16QAM	100	0	19.94	19.82	19.76				
20	64QAM	1	0	19.93	19.98	19.95				
20	64QAM	1	49	19.80	20.12	19.99				
20	64QAM	1	99	20.02	20.00	20.02	21.4	0		
20	64QAM	50	0	19.76	19.79	19.78				
20	64QAM	50	24	19.81	19.82	19.90				
20	64QAM	50	50	19.87	19.95	19.91				
20	64QAM	100	0	19.96	19.92	19.81				
Channel				135047	135222	135697	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	19.99	20.10	20.07	21.4	0		
15	QPSK	1	37	20.06	20.12	20.04				
15	QPSK	1	74	20.02	20.04	20.00				
15	QPSK	36	0	20.19	20.22	20.09				
15	QPSK	36	20	20.21	20.23	20.23	21.4	0		
15	QPSK	36	39	20.18	20.26	20.19				
15	QPSK	75	0	20.20	20.18	20.19				
15	16QAM	1	0	20.19	20.15	20.26				
15	16QAM	1	37	20.16	20.18	20.23	21.4	0		
15	16QAM	1	74	20.05	20.25	20.22				
15	16QAM	36	0	20.19	20.22	20.09				
15	16QAM	36	20	20.26	20.19	20.20				
15	16QAM	36	39	20.23	20.22	20.14	21.4	0		
15	16QAM	75	0	20.19	20.18	20.20				
15	16QAM	1	0	20.24	20.19	20.19				
15	16QAM	1	37	20.23	20.29	20.33				
15	64QAM	1	74	20.01	20.06	20.04	21.4	0		
15	64QAM	36	0	20.21	20.06	20.01				
15	64QAM	36	20	20.21	20.20	20.23				
15	64QAM	36	39	20.12	20.16	20.14				
15	64QAM	75	0	20.03	20.07	20.13				
Channel				135022	135222	135622	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	20.14	20.19	20.16	21.4	0		
10	QPSK	1	25	20.02	20.16	20.08				
10	QPSK	1	49	20.05	19.97	20.11				
10	QPSK	25	0	20.10	20.18	20.12				
10	QPSK	25	12	20.21	20.13	20.12	21.4	0		
10	QPSK	25	25	20.17	20.21	20.15				
10	QPSK	50	0	20.19	20.21	20.12				
10	16QAM	1	0	20.30	20.30	20.24				
10	16QAM	1	25	20.20	20.30	20.12	21.4	0		
10	16QAM	1	49	20.17	20.19	20.23				
10	16QAM	25	0	20.12	20.13	20.11				
10	16QAM	25	12	20.22	20.19	20.13				
10	16QAM	25	25	20.20	20.25	20.13	21.4	0		
10	16QAM	50	0	20.20	20.16	20.08				
10	64QAM	1	0	20.32	20.13	20.28				
10	64QAM	1	25	20.18	20.17	20.06				
10	64QAM	1	49	20.26	20.27	20.15	21.4	0		
10	64QAM	25	0	20.16	20.19	20.13				
10	64QAM	25	12	20.16	20.12	20.25				
10	64QAM	25	25	20.20	20.31	20.28				
10	64QAM	50	0	20.12	20.19	20.14				
Channel				131997	135222	132647	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	20.03	20.12	20.02	21.4	0		
5	QPSK	1	12	20.12	20.12	20.15				
5	QPSK	1	24	19.93	19.96	19.95				
5	QPSK	12	0	20.20	20.25	20.18				
5	QPSK	12	7	20.21	20.19	20.17	21.4	0		
5	QPSK	12	13	20.23	20.17	20.17				
5	QPSK	25	0	20.22	20.19	20.18				
5	16QAM	1	0	20.30	20.24	20.22				
5	16QAM	1	12	20.23	20.26	20.05	21.4	0		
5	16QAM	1	24	20.09	20.25	20.26				
5	16QAM	12	0	20.21	20.20	20.18				
5	16QAM	12	7	20.22	20.21	20.19				
5	16QAM	12	13	20.17	20.21	20.14	21.4	0		
5	16QAM	25	0	20.16	20.20	20.15				
5	64QAM	1	0	20.29	20.22	20.33				
5	64QAM	1	12	20.11	20.19	20.22				
5	64QAM	1	24	20.20	20.08	20.22	21.4	0		
5	64QAM	12	0	20.24	20.22	20.06				
5	64QAM	12	7	20.20	20.22	20.24				
5	64QAM	12	13	20.15	20.15	20.10				
5	64QAM	25	0	20.15	20.10	20.14				
Channel				131987	135222	132657	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1779.5				
3	QPSK	1	0	20.10	20.09	20.12	21.4	0		
3	QPSK	1	8	20.13	20.22	20.06				
3	QPSK	1	14	20.15	20.10	20.01				
3	QPSK	8	0	20.16	20.14	20.10				
3	QPSK	8	4	20.19	20.21	20.16	21.4	0		
3	QPSK	8	7	20.15	20.23	20.16				
3	16QAM	1	0	20.17	20.15	20.12				
3	16QAM	1	8	20.14	20.18	20.25				
3	16QAM	1	8	20.30	20.26	20.21	21.4	0		
3	16QAM	1	14	20.12	20.22	20.21				
3	16QAM	8	0	20.23	20.22	20.22				
3	16QAM	8	4	20.28	20.26	20.19				
3	16QAM	8	7	20.24	20.21	20.14	21.4	0		
3	16QAM	15	0	20.18	20.19	20.20				
3	64QAM	1	0	20.28	20.30	20.30				
3	64QAM	1	8	20.14	20.10	20.08				
3	64QAM	1	14	20.27	20.08	20.17	21.4	0		
3	64QAM	8	0	20.24	20.23	20.10				
3	64QAM	8	4	20.13	20.21	20.17				
3	64QAM	8	7	20.19	20.13	20.21				
3	64QAM	15	0	20.17	20.17	20.14				
Channel				131919	135222	132665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	20.06	20.04	20.06	21.4	0		
1.4	QPSK	1	0.9	3	20.09	20.15				20.05
1.4	QPSK	1	5	19.99	20.05	20.06				
1.4	QPSK	3	0	20.05	20.05	19.99				
1.4	QPSK	3	1	20.08	20.10	19.99	21.4	0		
1.4	QPSK	3	3	20.05	20.06	19.98				
1.4	QPSK	6	0	20.06	20.14	20.02				
1.4	16QAM	1	0	20.16	20.28	20.10				
1.4	16QAM	1	3	20.19	20.15	20.05	21.4	0		
1.4	16QAM	1	5	20.12	20.16	20.02				
1.4	16QAM	3	0	20.09	20.17	20.04				
1.4	16QAM	3	1	20.13	20.25	20.07				
1.4	16QAM	3	3	20.08	20.13	20.08	21.4	0		
1.4	16QAM	6	0	20.16	20.27	20.13				
1.4	64QAM	1	0	20.28	20.30	20.19				
1.4	64QAM	1	3	20.31	20.33	20.24				
1.4	64QAM	1	5	20.28	20.26	20.04	21.4	0		
1.4	64QAM	3	0	20.03	20.04	20.01				
1.4	64QAM	3	1	20.06	20.31	20.28				
1.4	64QAM	3	3	20.18	20.24	20.10				
1.4	64QAM	6	0	20.09	20.19	20.06	21.4	0		

Band 48 (3.5G Band)											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	55990	56150	56640			
Frequency (MHz)				3560	3609	3625	3641	3690			
20	QPSK	1	0	22.42	22.62	22.52	22.50	22.43	23.6	0	
20	QPSK	1	49	22.45	22.56	22.49	22.54	22.35			
20	QPSK	1	99	22.61	22.57	22.51	22.56	22.36			
20	QPSK	50	0	22.23	22.31	22.25	22.24	22.19	23.3	0.3	
20	QPSK	50	24	22.28	22.21	22.25	21.95	22.14			
20	QPSK	50	50	22.25	22.27	22.25	22.18	22.04			
20	QPSK	100	0	22.10	22.28	22.11	22.16	21.99	23.3	0.3	
20	16QAM	1	0	22.08	21.96	22.00	21.93	22.00			
20	16QAM	1	49	22.05	22.04	21.82	22.13	21.53			
20	16QAM	1	99	22.11	22.06	21.79	22.17	22.15	22.3	1.3	
20	16QAM	50	0	21.16	21.25	21.25	21.15	21.11			
20	16QAM	50	24	21.28	21.21	21.21	21.12	21.08			
20	16QAM	50	50	21.29	21.25	21.22	21.15	21.18	22.3	1.3	
20	16QAM	100	0	21.18	21.13	20.97	21.16	21.06			
20	64QAM	1	0	21.18	21.40	21.08	21.35	21.32			
20	64QAM	1	49	21.22	21.36	20.98	21.13	21.20	21.3	2.3	
20	64QAM	1	99	21.25	21.21	20.96	21.12	21.08			
20	64QAM	50	0	20.59	20.49	20.65	20.40	20.51			
20	64QAM	50	24	20.65	20.37	20.66	20.28	20.49	Tune-up limit (dBm)	MPR (dB)	
20	64QAM	50	50	20.56	20.37	20.60	20.43	20.44			
20	64QAM	100	0	20.57	20.38	20.28	20.35	20.21			
Channel				55315	55820	55990	56160	56665			
Frequency (MHz)				3557.5	3603	3625	3642	3692.5			
15	QPSK	1	0	22.34	22.62	22.52	22.68	22.40	23.6	0	
15	QPSK	1	37	22.50	22.65	22.52	22.61	22.36			
15	QPSK	1	74	22.66	22.71	22.67	22.61	22.42			
15	QPSK	36	0	22.55	22.69	22.55	22.31	22.52	23.3	0.3	
15	QPSK	36	20	22.57	22.63	22.57	22.35	22.46			
15	QPSK	36	39	22.67	22.56	22.48	22.40	22.48			
15	QPSK	75	0	22.60	22.59	22.45	22.24	22.45	23.3	0.3	
15	16QAM	1	0	22.43	22.57	22.36	22.46	22.55			
15	16QAM	1	37	22.50	22.56	22.54	22.24	22.27			
15	16QAM	1	74	22.61	22.57	22.60	22.36	22.21	22.3	1.3	
15	16QAM	36	0	21.66	21.86	21.85	21.50	21.60			
15	16QAM	36	20	21.66	21.85	21.81	21.44	21.58			
15	16QAM	36	39	21.72	21.81	21.85	21.46	21.55	22.3	1.3	
15	16QAM	75	0	21.73	21.82	21.73	21.42	21.68			
15	64QAM	1	0	21.61	21.67	21.62	21.26	21.54			
15	64QAM	1	37	21.68	21.49	21.60	21.50	21.56	21.3	2.3	
15	64QAM	1	74	21.72	21.50	21.68	21.45	21.35			
15	64QAM	36	0	21.02	20.96	21.11	20.67	20.90			
15	64QAM	36	20	21.03	20.93	21.09	20.72	20.78	Tune-up limit (dBm)	MPR (dB)	
15	64QAM	36	39	21.12	20.93	21.04	20.68	20.76			
15	64QAM	75	0	21.06	21.07	20.81	20.64	20.82			
Channel				55209	55813	55990	56163	56690			
Frequency (MHz)				3555	3607.5	3625	3642.5	3695			
10	QPSK	1	0	22.32	22.56	22.66	22.67	22.28	23.6	0	
10	QPSK	1	25	22.41	22.62	22.67	22.56	22.30			
10	QPSK	1	49	22.55	22.65	22.42	22.69	22.34			
10	QPSK	25	0	22.50	22.68	22.52	22.33	22.47	23.3	0.3	
10	QPSK	25	12	22.49	22.70	22.48	22.35	22.49			
10	QPSK	25	25	22.62	22.61	22.48	22.36	22.44			
10	QPSK	50	0	22.50	22.57	22.45	22.17	22.36	23.3	0.3	
10	16QAM	1	0	22.46	22.64	22.55	22.30	22.50			
10	16QAM	1	25	22.54	22.69	22.27	22.34	22.41			
10	16QAM	1	49	22.68	22.67	22.21	22.40	22.39	22.3	1.3	
10	16QAM	25	0	21.59	21.83	21.60	21.51	21.55			
10	16QAM	25	12	21.57	21.82	21.58	21.56	21.60			
10	16QAM	25	25	21.61	21.79	21.55	21.52	21.61	22.3	1.3	
10	16QAM	50	0	21.64	21.75	21.68	21.39	21.61			
10	64QAM	1	0	21.28	21.56	21.12	21.29	21.53			
10	64QAM	1	25	21.52	21.53	21.29	21.15	21.29	21.3	2.3	
10	64QAM	1	49	21.52	21.49	21.52	21.15	21.19			
10	64QAM	25	0	20.57	20.81	20.57	20.43	20.53			
10	64QAM	25	12	20.58	20.82	20.52	20.35	20.54	Tune-up limit (dBm)	MPR (dB)	
10	64QAM	25	25	20.62	20.76	20.40	20.46	20.53			
10	64QAM	50	0	20.60	20.76	20.33	20.33	20.51			
Channel				55265	55810	55990	56170	56715			
Frequency (MHz)				3552.5	3607	3625	3643	3697.5			
5	QPSK	1	0	22.37	22.61	22.64	22.68	22.51	23.6	0	
5	QPSK	1	12	22.33	22.68	22.51	22.63	22.39			
5	QPSK	1	24	22.51	22.70	22.62	22.56	22.52			
5	QPSK	12	0	22.46	22.66	22.54	22.39	22.54	23.3	0.3	
5	QPSK	12	7	22.48	22.71	22.67	22.49	22.57			
5	QPSK	12	13	22.53	22.67	22.57	22.41	22.57			
5	QPSK	25	0	22.52	22.64	22.47	22.23	22.47	23.3	0.3	
5	16QAM	1	0	22.51	22.67	22.46	22.26	22.46			
5	16QAM	1	12	22.56	22.71	22.59	22.33	22.49			
5	16QAM	1	24	22.68	22.52	22.58	22.50	22.58	22.3	1.3	
5	16QAM	12	0	21.56	21.80	21.58	21.43	21.58			
5	16QAM	12	7	21.59	21.83	21.63	21.54	21.63			
5	16QAM	12	13	21.59	21.81	21.65	21.52	21.65	22.3	1.3	
5	16QAM	25	0	21.62	21.83	21.64	21.46	21.64			
5	64QAM	1	0	21.21	21.59	21.35	21.21	21.35			
5	64QAM	1	12	21.25	21.51	21.28	21.21	21.28	21.3	2.3	
5	64QAM	1	24	21.36	21.57	21.36	21.30	21.36			
5	64QAM	12	0	20.52	20.86	20.56	20.46	20.63			
5	64QAM	12	7	20.58	20.85	20.46	20.49	20.63	Tune-up limit (dBm)	MPR (dB)	
5	64QAM	12	13	20.63	20.80	20.68	20.52	20.65			
5	64QAM	25	0	20.60	20.76	20.80	20.42	20.60			

Reduced Power - DSI 2 for Hotspot_Ant 3

Band 2 (1900MHz Band)											
Part 24E											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				18700	18900	19100					
Frequency (MHz)				18600	1880	19000					
20	QPSK	1	0	20.21	20.03	20.22	21	0			
20	QPSK	1	49	20.03	20.03	20.13					
20	QPSK	1	99	20.06	19.95	20.06					
20	QPSK	50	0	20.03	20.17	19.89					
20	QPSK	50	24	20.12	20.15	19.87	21	0			
20	QPSK	50	50	19.98	19.99	19.79					
20	QPSK	100	0	20.08	20.11	19.89					
20	16QAM	1	0	19.65	19.66	19.56					
20	16QAM	1	49	19.53	19.59	19.58	21	0			
20	16QAM	1	99	19.55	19.52	19.83					
20	16QAM	50	0	20.02	20.10	19.80					
20	16QAM	50	24	20.01	20.13	19.83					
20	16QAM	50	50	20.02	20.03	19.93	21	0			
20	16QAM	100	0	20.03	20.14	20.04					
20	64QAM	1	0	19.82	19.84	19.82					
20	64QAM	1	49	19.85	19.87	19.72					
20	64QAM	1	99	19.70	19.66	19.56	20.5	0.5			
20	64QAM	50	0	20.23	20.22	20.07					
20	64QAM	50	24	20.22	20.10	20.07					
20	64QAM	50	50	20.12	20.16	20.16					
20	64QAM	100	0	20.15	20.13	19.93	Tune-up limit (dBm)				
Channel				18675	18900	19125					
Frequency (MHz)				18675	1880	19025					
15	QPSK	1	0	20.10	20.14	20.15	21	0			
15	QPSK	1	37	19.96	20.06	20.23					
15	QPSK	1	74	20.22	20.05	20.13					
15	QPSK	36	0	19.97	20.14	19.94					
15	QPSK	36	20	19.96	20.16	20.14	21	0			
15	QPSK	36	39	19.98	20.00	19.90					
15	QPSK	75	0	19.97	20.07	20.15					
15	16QAM	1	0	19.67	19.59	19.56					
15	16QAM	1	37	19.52	19.55	19.64	21	0			
15	16QAM	1	74	19.56	19.47	19.35					
15	16QAM	36	0	20.03	20.15	20.09					
15	16QAM	36	20	20.03	20.20	20.18					
15	16QAM	36	39	20.01	20.03	19.89	21	0			
15	16QAM	75	0	20.00	20.14	20.23					
15	64QAM	1	0	20.03	19.94	19.98					
15	64QAM	1	37	20.00	19.96	20.08					
15	64QAM	1	74	19.77	19.65	19.90	20.5	0.5			
15	64QAM	36	0	20.19	20.14	20.11					
15	64QAM	36	20	20.23	20.22	20.16					
15	64QAM	36	39	20.03	20.08	20.06					
15	64QAM	75	0	19.93	20.13	19.99	Tune-up limit (dBm)				
Channel				18850	18900	19150					
Frequency (MHz)				18850	1880	19050					
10	QPSK	1	0	20.23	20.15	20.16	21	0			
10	QPSK	1	25	19.92	20.13	20.10					
10	QPSK	1	49	20.10	20.12	20.20					
10	QPSK	25	0	19.82	20.05	19.85					
10	QPSK	25	12	20.09	20.09	20.07	21	0			
10	QPSK	25	25	19.76	19.96	19.86					
10	QPSK	50	0	19.93	20.02	20.10					
10	16QAM	1	0	19.58	19.60	19.57					
10	16QAM	1	25	19.60	19.58	19.67	21	0			
10	16QAM	1	49	19.73	19.51	19.39					
10	16QAM	25	0	19.84	20.04	19.98					
10	16QAM	25	12	20.02	20.12	20.10					
10	16QAM	25	25	19.73	20.00	19.86	21	0			
10	16QAM	50	0	19.84	20.04	20.13					
10	64QAM	1	0	19.97	20.07	20.11					
10	64QAM	1	25	20.07	20.09	20.21					
10	64QAM	1	49	19.90	19.93	20.18	20.5	0.5			
10	64QAM	25	0	20.13	20.19	20.13					
10	64QAM	25	12	20.04	20.14	20.18					
10	64QAM	25	25	20.01	20.04	20.02					
10	64QAM	50	0	19.89	20.17	20.03	Tune-up limit (dBm)				
Channel				18825	18900	19175					
Frequency (MHz)				18825	1880	19075					
5	QPSK	1	0	20.04	20.09	20.11	21	0			
5	QPSK	1	12	20.11	20.13	20.18					
5	QPSK	1	24	19.93	20.07	20.06					
5	QPSK	12	0	19.93	20.02	19.76					
5	QPSK	12	7	20.14	20.09	20.12	21	0			
5	QPSK	12	13	20.00	20.03	19.83					
5	QPSK	25	0	20.07	20.09	20.08					
5	16QAM	1	0	19.13	19.55	19.15					
5	16QAM	1	12	19.45	19.56	19.56	21	0			
5	16QAM	1	24	19.48	19.58	19.46					
5	16QAM	12	0	19.96	20.02	19.92					
5	16QAM	12	7	20.17	20.11	20.16					
5	16QAM	12	13	20.07	20.05	19.88	21	0			
5	16QAM	25	0	20.10	20.11	20.12					
5	64QAM	1	0	20.01	20.08	20.04					
5	64QAM	1	12	20.01	19.98	20.21					
5	64QAM	1	24	19.94	20.00	20.12	20.5	0.5			
5	64QAM	12	0	20.06	20.07	20.15					
5	64QAM	12	7	20.08	20.14	20.12					
5	64QAM	12	13	20.12	20.06	20.08					
5	64QAM	25	0	20.16	20.13	20.05	Tune-up limit (dBm)				
Channel				18815	18900	19185					
Frequency (MHz)				18815	1880	19085					
3	QPSK	1	0	20.05	20.15	20.11	21	0			
3	QPSK	1	8	20.10	20.23	20.12					
3	QPSK	1	14	20.18	20.13	20.23					
3	QPSK	8	0	19.88	19.94	19.77					
3	QPSK	8	4	20.01	20.14	19.94	21	0			
3	QPSK	8	7	19.95	19.90	19.88					
3	QPSK	15	0	19.95	20.15	20.05					
3	16QAM	1	0	19.25	19.56	19.64					
3	16QAM	1	8	19.41	19.64	19.61	21	0			
3	16QAM	1	14	19.43	19.35	19.44					
3	16QAM	8	0	19.97	20.09	19.97					
3	16QAM	8	4	20.20	20.18	20.12					
3	16QAM	8	7	20.03	19.89	19.87	21	0			
3	16QAM	15	0	19.99	20.23	20.09					
3	64QAM	1	0	19.96	19.98	20.07					
3	64QAM	1	8	20.03	20.08	20.12					
3	64QAM	1	14	19.71	19.90	20.02	21	0			
3	64QAM	8	0	20.18	20.11	20.21					
3	64QAM	8	4	20.17	20.16	20.04					
3	64QAM	8	7	20.09	20.06	20.00					
3	64QAM	15	0	19.95	19.99	19.97	Tune-up limit (dBm)				
Channel				18807	18900	19193					
Frequency (MHz)				18807	1880	19093					
1.4	QPSK	1	0	19.87	19.90	19.92	21	25			
1.4	QPSK	1	3	20.14	20.19	20.12					
1.4	QPSK	1	5	19.91	19.94	19.95					
1.4	QPSK	3	0	19.95	19.92	19.93					
1.4	QPSK	3	1	19.95	19.93	19.86	21	0			
1.4	QPSK	3	3	19.91	19.93	19.97					
1.4	QPSK	6	0	19.88	20.03	20.09					
1.4	16QAM	1	0	19.62	19.66	19.68					
1.4	16QAM	1	3	19.89	19.72	19.75	-3	24			
1.4	16QAM	1	5	19.75	19.70	19.73					
1.4	16QAM	3	0	19.75	19.97	19.95	-3	24			
1.4	16QAM	3	1	19.71	19.74	19.76					
1.4	16QAM	3	3	20.05	20.01	20.03					
1.4	16QAM	6	0	20.02	20.04	20.20					
1.4	64QAM	1	0	19.99	20.03	20.02	-2	23			
1.4	64QAM	1	3	20.13	20.12	20.14					
1.4	64QAM	1	5	19.99	19.98	19.93					
1.4	64QAM	3	0	20.17	20.15	20.21					
1.4	64QAM	3	1	20.23	20.20	20.22	-2	23			
1.4	64QAM	3	3	20.22	20.10	20.22					
1.4	64QAM	6	0	20.18	20.13	20.20					
1.4	64QAM	6	0	20.18	20.13	20.20					



Reduced Power - DSI 1 for BodyWorn / Handheld

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.52	21.60	21.44	22.50	21.52	21.62	21.54	22.40
3GPP Rel 99	RMC 12.2Kbps	21.53	21.62	21.47	22.50	21.60	21.64	21.58	22.40
3GPP Rel 6	HSDPA Subtest-1	20.61	20.64	20.59	21.50	20.73	20.79	20.62	21.40
3GPP Rel 6	HSDPA Subtest-2	20.60	20.63	20.61	21.50	20.73	20.80	20.58	21.40
3GPP Rel 6	HSDPA Subtest-3	20.12	20.18	20.12	21.00	20.18	20.31	20.13	20.90
3GPP Rel 6	HSDPA Subtest-4	20.08	20.13	20.04	21.00	20.25	20.33	20.12	20.90
3GPP Rel 8	DC-HSDPA Subtest-1	20.51	20.57	20.56	21.50	20.70	20.76	20.61	21.40
3GPP Rel 8	DC-HSDPA Subtest-2	20.56	20.50	20.50	21.50	20.68	20.78	20.55	21.40
3GPP Rel 8	DC-HSDPA Subtest-3	20.06	19.85	20.03	21.00	20.25	20.32	20.12	20.90
3GPP Rel 8	DC-HSDPA Subtest-4	20.04	19.93	19.99	21.00	20.21	20.29	20.13	20.90
3GPP Rel 6	HSUPA Subtest-1	20.30	20.26	20.36	21.50	20.68	20.80	20.60	21.40
3GPP Rel 6	HSUPA Subtest-2	18.27	18.23	18.19	19.50	18.74	18.81	18.61	19.40
3GPP Rel 6	HSUPA Subtest-3	19.35	19.25	19.27	20.50	19.72	19.82	19.60	20.40
3GPP Rel 6	HSUPA Subtest-4	18.28	18.30	18.19	19.50	18.71	18.81	18.63	19.40
3GPP Rel 6	HSUPA Subtest-5	20.32	20.17	20.14	21.50	20.77	20.81	20.61	21.40

Band 2 (1900MHz Band) Part 24E										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	21.34	21.41	21.33	22.5	0		
20	QPSK	1	49	21.31	21.24	21.22				
20	QPSK	1	99	21.28	21.32	21.31				
20	QPSK	50	0	21.30	21.38	21.33				
20	QPSK	50	24	21.30	21.30	21.22	22.5	0		
20	QPSK	50	50	21.22	21.19	21.10				
20	QPSK	100	0	21.04	21.19	21.05				
20	16QAM	1	0	21.34	21.27	21.03				
20	16QAM	1	49	21.22	21.18	21.13	22.5	0		
20	16QAM	1	99	21.27	21.25	21.16				
20	16QAM	50	0	21.23	21.18	21.11				
20	16QAM	50	24	21.25	21.14	21.09				
20	16QAM	50	50	21.23	21.24	21.24	22.5	0		
20	16QAM	100	0	21.25	21.16	21.24				
20	64QAM	1	0	21.24	21.14	21.16				
20	64QAM	1	49	21.20	21.21	21.12				
20	64QAM	1	99	21.12	21.04	21.16	22	0.5		
20	64QAM	50	0	21.18	21.12	20.96				
20	64QAM	50	24	21.20	21.21	21.07				
20	64QAM	50	50	21.26	21.22	21.23				
20	64QAM	100	0	21.13	21.20	21.07				
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	21.12	20.90	20.92	22.5	0		
15	QPSK	1	37	21.14	20.99	20.98				
15	QPSK	1	74	20.99	20.95	20.93				
15	QPSK	36	0	21.22	21.02	21.02				
15	QPSK	36	20	21.28	21.21	21.12	22.5	0		
15	QPSK	36	39	21.33	21.17	21.16				
15	QPSK	75	0	21.28	21.19	20.96				
15	16QAM	1	0	21.17	21.12	21.29				
15	16QAM	1	37	21.38	21.23	21.34	22.5	0		
15	16QAM	1	74	21.04	21.05	21.39				
15	16QAM	36	0	21.24	21.08	21.04				
15	16QAM	36	20	21.31	21.19	21.12				
15	16QAM	36	39	21.25	21.09	21.20	22.5	0		
15	16QAM	75	0	21.30	21.19	21.05				
15	64QAM	1	0	21.24	21.30	21.35				
15	64QAM	1	37	21.02	21.26	21.07				
15	64QAM	1	74	21.35	21.25	21.14	22	0.5		
15	64QAM	36	0	20.78	20.59	20.65				
15	64QAM	36	20	20.85	20.67	20.65				
15	64QAM	36	39	20.87	20.69	20.76				
15	64QAM	75	0	20.82	20.65	20.62				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	20.94	20.92	20.94	22.5	0		
10	QPSK	1	25	21.01	21.00	21.03				
10	QPSK	1	49	21.02	20.97	21.15				
10	QPSK	25	0	21.22	21.06	21.03				
10	QPSK	25	12	21.30	21.16	21.09	22.5	0		
10	QPSK	25	25	21.27	21.20	21.07				
10	QPSK	50	0	21.24	21.08	21.04				
10	16QAM	1	0	21.35	21.22	21.27				
10	16QAM	1	25	21.06	21.05	21.24	22.5	0		
10	16QAM	1	49	21.05	21.24	21.40				
10	16QAM	25	0	21.10	21.05	21.03				
10	16QAM	25	12	21.32	21.19	21.03				
10	16QAM	25	25	21.21	21.10	21.06	22.5	0		
10	16QAM	50	0	21.27	21.14	21.05				
10	64QAM	1	0	21.27	21.34	21.10				
10	64QAM	1	25	21.22	21.21	21.13				
10	64QAM	1	49	21.25	21.28	21.27	22	0.5		
10	64QAM	25	0	20.82	20.68	20.57				
10	64QAM	25	12	20.87	20.74	20.64				
10	64QAM	25	25	20.82	20.70	20.66				
10	64QAM	50	0	20.83	20.65	20.59				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	21.10	20.92	20.94	22.5	0		
5	QPSK	1	12	21.09	20.93	21.07				
5	QPSK	1	24	21.09	21.07	20.90				
5	QPSK	12	0	21.26	21.09	21.02				
5	QPSK	12	7	21.25	21.08	21.04	22.5	0		
5	QPSK	12	13	21.24	21.04	21.00				
5	QPSK	25	0	21.24	21.05	21.04				
5	16QAM	1	0	21.34	21.37	21.20				
5	16QAM	1	12	21.23	21.19	21.09	22.5	0		
5	16QAM	1	24	21.06	21.20	21.30				
5	16QAM	12	0	21.21	21.08	20.99				
5	16QAM	12	7	21.27	21.07	21.04				
5	16QAM	12	13	21.17	21.01	21.06	22.5	0		
5	16QAM	25	0	21.18	21.05	21.04				
5	64QAM	1	0	21.36	21.18	21.21				
5	64QAM	1	12	21.37	21.11	21.14				
5	64QAM	1	24	21.38	21.23	21.25	22	0.5		
5	64QAM	12	0	20.81	20.62	20.65				
5	64QAM	12	7	20.79	20.66	20.64				
5	64QAM	12	13	20.77	20.67	20.59				
5	64QAM	25	0	20.75	20.59	20.52				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	21.23	20.93	20.93	22.5	0		
3	QPSK	1	8	21.34	21.04	21.07				
3	QPSK	1	14	21.29	21.03	21.02				
3	QPSK	8	0	21.21	21.11	21.11				
3	QPSK	8	4	21.21	21.13	21.13	22.5	0		
3	QPSK	8	7	21.22	21.10	21.04				
3	QPSK	15	0	21.23	21.10	21.11				
3	16QAM	1	0	21.14	21.26	21.34				
3	16QAM	1	8	21.04	21.38	21.15	22.5	0		
3	16QAM	1	14	21.15	21.40	21.33				
3	16QAM	8	0	21.24	21.14	21.16				
3	16QAM	8	4	21.30	21.19	21.15				
3	16QAM	8	7	21.27	21.16	21.08	22.5	0		
3	16QAM	15	0	21.25	21.13	21.13				
3	64QAM	1	0	21.39	21.17	21.22				
3	64QAM	1	8	21.40	21.27	21.28				
3	64QAM	1	14	21.22	21.31	21.32	22	0.5		
3	64QAM	8	0	20.86	20.62	20.63				
3	64QAM	8	4	20.81	20.66	20.65				
3	64QAM	8	7	20.79	20.61	20.64				
3	64QAM	15	0	20.79	20.71	20.62				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	21.12	20.83	21.13	22.5	0		
1.4	QPSK	1	3	20.99	20.97	20.88				
1.4	QPSK	1	5	20.81	20.93	20.86				
1.4	QPSK	3	0	20.83	20.92	20.69				
1.4	QPSK	3	1	20.86	20.96	20.92	22.5	0		
1.4	QPSK	3	3	20.91	20.94	20.80				
1.4	QPSK	6	0	20.95	20.96	20.87				
1.4	16QAM	1	0	21.19	21.20	21.21				
1.4	16QAM	1	3	21.32	21.26	21.26	22.5	0		
1.4	16QAM	1	5	21.06	21.24	21.07				
1.4	16QAM	3	0	21.06	20.90	20.86				
1.4	16QAM	3	1	20.99	21.04	21.02	22.5	0		
1.4	16QAM	3	3	21.02	21.03	20.90				
1.4	16QAM	6	0	21.02	21.15	21.04				
1.4	64QAM	1	0	21.12	21.11	21.05	22.5	0		
1.4	64QAM	1	3	21.13	21.19	21.18				
1.4	64QAM	1	5	20.98	21.18	21.07				
1.4	64QAM	3	0	21.16	21.16	20.95	22.5	0		
1.4	64QAM	3	1	21.11	21.19	21.07				
1.4	64QAM	3	3	21.00	21.07	21.00				
1.4	64QAM	6	0	20.59	20.57	20.45	22	0.5	0.5	

Band 7 (2600MHz Band)									
Part 27									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.49	22.55	22.46	23.2	0	
20	QPSK	1	49	22.45	22.49	22.45			
20	QPSK	1	99	22.44	22.47	22.39			
20	QPSK	50	0	22.06	22.25	22.22			
20	QPSK	50	24	21.92	22.02	22.01	23.2	0	
20	QPSK	50	50	21.83	21.97	22.16			
20	QPSK	100	0	21.90	21.97	21.95			
20	16QAM	1	0	22.21	22.29	22.25			
20	16QAM	1	49	22.18	22.26	22.34	23.2	0	
20	16QAM	1	99	22.16	22.31	22.31			
20	16QAM	50	0	21.96	21.97	22.21			
20	16QAM	50	24	21.94	22.01	22.28			
20	16QAM	50	50	21.94	22.06	22.26	23	0.2	
20	16QAM	100	0	22.00	22.09	22.16			
20	64QAM	1	0	22.29	22.30	22.32			
20	64QAM	1	49	21.89	21.93	22.34			
20	64QAM	1	99	21.98	22.09	22.16	23	0.2	
20	64QAM	50	0	20.99	21.02	21.24			
20	64QAM	50	24	21.04	21.10	21.26			
20	64QAM	50	50	21.13	21.08	21.22			
20	64QAM	100	0	20.88	20.96	21.24	22	1.2	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.39	22.42	22.41	23.2	0	
15	QPSK	1	37	22.43	22.43	22.49			
15	QPSK	1	74	22.32	22.36	22.42			
15	QPSK	36	0	22.43	22.47	22.51			
15	QPSK	36	20	22.47	22.47	22.42	23.2	0	
15	QPSK	36	39	22.41	22.48	22.32			
15	QPSK	75	0	22.47	22.53	22.33			
15	16QAM	1	0	22.42	22.38	22.43			
15	16QAM	1	37	22.47	22.52	22.44	23.2	0	
15	16QAM	1	74	22.15	22.45	22.50			
15	16QAM	36	0	22.19	22.24	22.47			
15	16QAM	36	20	22.26	22.24	22.46			
15	16QAM	36	39	22.17	22.24	22.40	23	0.2	
15	16QAM	75	0	22.20	22.24	22.47			
15	64QAM	1	0	22.34	22.27	22.53			
15	64QAM	1	37	22.25	22.28	22.41			
15	64QAM	1	74	22.27	22.28	22.45	23	0.2	
15	64QAM	36	0	21.23	21.16	21.49			
15	64QAM	36	20	21.30	21.24	21.51			
15	64QAM	36	39	21.25	21.27	21.47			
15	64QAM	75	0	21.19	21.24	21.49	22	1.2	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.32	22.31	22.37	23.2	0	
10	QPSK	1	25	22.26	22.40	22.34			
10	QPSK	1	49	22.24	22.44	22.35			
10	QPSK	25	0	21.84	22.03	22.23			
10	QPSK	25	12	22.02	21.98	22.21	23.2	0	
10	QPSK	25	25	21.93	22.11	22.21			
10	QPSK	50	0	21.98	21.93	22.20			
10	16QAM	1	0	22.18	22.32	22.11			
10	16QAM	1	25	22.30	22.02	22.29	23.2	0	
10	16QAM	1	49	21.92	22.03	22.22			
10	16QAM	25	0	21.99	22.02	22.20			
10	16QAM	25	12	21.89	22.05	22.20			
10	16QAM	25	25	22.04	21.99	22.26	23	0.2	
10	16QAM	50	0	21.87	22.25	22.30			
10	64QAM	1	0	21.99	22.23	22.31			
10	64QAM	1	25	22.00	22.23	22.26			
10	64QAM	1	49	22.00	22.11	22.17	23	0.2	
10	64QAM	25	0	21.06	21.03	21.29			
10	64QAM	25	12	21.08	21.10	21.31			
10	64QAM	25	25	21.02	21.06	21.19			
10	64QAM	50	0	21.52	21.56	21.69	22	1.2	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.34	22.38	22.50	23.2	0	
5	QPSK	1	12	22.44	22.44	22.37			
5	QPSK	1	24	22.35	22.44	22.41			
5	QPSK	12	0	21.96	22.05	22.16			
5	QPSK	12	7	21.98	21.97	22.23	23.2	0	
5	QPSK	12	13	21.96	22.04	22.22			
5	QPSK	25	0	21.95	22.04	22.18			
5	16QAM	1	0	22.18	22.15	22.21			
5	16QAM	1	12	22.18	22.33	22.25	23.2	0	
5	16QAM	1	24	22.17	22.32	22.34			
5	16QAM	12	0	22.00	22.07	22.27			
5	16QAM	12	7	22.03	22.06	22.29			
5	16QAM	12	13	22.01	22.08	22.24	23	0.2	
5	16QAM	25	0	21.98	22.03	22.24			
5	64QAM	1	0	22.07	22.09	22.35			
5	64QAM	1	12	22.06	22.15	22.25			
5	64QAM	1	24	22.12	22.11	22.30	23	0.2	
5	64QAM	12	0	21.00	21.06	21.30			
5	64QAM	12	7	21.03	21.03	21.22			
5	64QAM	12	13	21.03	21.14	21.25			
5	64QAM	25	0	20.98	21.06	21.25	22	1.2	

Band 66									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	21.49	21.64	21.54	22.4	0	
20	QPSK	1	49	21.49	21.53	21.49			
20	QPSK	1	99	21.51	21.48	21.48			
20	QPSK	50	0	21.52	21.61	21.54			
20	QPSK	50	24	21.32	21.56	21.50	22.4	0	
20	QPSK	50	50	21.51	21.30	21.60			
20	QPSK	100	0	21.35	21.59	21.57			
20	16QAM	1	0	21.35	21.47	21.47			
20	16QAM	1	49	21.55	21.45	21.53	22.4	0	
20	16QAM	1	99	21.34	21.55	21.52			
20	16QAM	50	0	21.35	21.26	21.32			
20	16QAM	50	24	21.41	21.35	21.30			
20	16QAM	50	50	21.41	21.34	21.28	22.4	0	
20	16QAM	100	0	21.38	21.32	21.28			
20	64QAM	1	0	21.48	21.42	21.28			
20	64QAM	1	49	21.54	21.42	21.40			
20	64QAM	1	99	21.47	21.44	21.48	22	0.4	
20	64QAM	50	0	20.98	20.96	20.91			
20	64QAM	50	24	21.05	21.04	20.98			
20	64QAM	50	50	21.04	20.99	20.91			
20	64QAM	100	0	20.97	20.87	20.89	22	0.4	
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	21.47	21.58	21.56	22.4	0	
15	QPSK	1	37	21.47	21.52	21.51			
15	QPSK	1	74	21.49	21.47	21.50			
15	QPSK	36	0	21.61	21.60	21.56			
15	QPSK	36	20	21.46	21.55	21.51	22.4	0	
15	QPSK	36	39	21.30	21.56	21.62	22.4	0	
15	QPSK	75	0	21.61	21.61	21.53			
15	16QAM	1	0	21.51	21.63	21.46			
15	16QAM	1	37	21.51	21.59	21.30			
15	16QAM	1	74	21.52	21.50	21.43	22.4	0	
15	16QAM	36	0	21.58	21.59	21.56			
15	16QAM	36	20	21.49	21.61	21.43			
15	16QAM	36	39	21.56	21.23	21.43			
15	16QAM	75	0	21.49	21.63	21.61	22.4	0	
15	16QAM	1	49	21.49	21.43	21.59			
15	64QAM	1	37	21.59	21.56	21.51			
15	64QAM	1	74	21.47	21.55	21.39			
15	64QAM	36	0	20.71	20.69	20.60	22	0.4	
15	64QAM	36	20	20.75	20.64	20.66			
15	64QAM	36	39	20.65	20.71	20.64			
15	64QAM	75	0	20.65	20.59	20.65			
Channel				132022	132322	132625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	21.53	21.52	21.61	22.4	0	
10	QPSK	1	25	21.45	21.53	21.52			
10	QPSK	1	49	21.40	21.48	21.49			
10	QPSK	25	0	21.59	21.57	21.54			
10	QPSK	25	12	21.61	21.54	21.53	22.4	0	
10	QPSK	25	25	21.55	21.60	21.60			
10	QPSK	50	0	21.62	21.56	21.61			
10	16QAM	1	0	21.56	21.60	21.58			
10	16QAM	1	25	21.53	21.51	21.58	22.4	0	
10	16QAM	1	49	21.51	21.51	21.63			
10	16QAM	25	0	21.51	21.58	21.56			
10	16QAM	25	12	21.40	21.58	21.50			
10	16QAM	25	25	21.30	21.53	21.56	22.4	0	
10	16QAM	50	0	21.63	21.56	21.53			
10	64QAM	1	0	21.49	21.54	21.31			
10	64QAM	1	25	21.50	21.63	21.51			
10	64QAM	1	49	20.51	21.58	21.53	22.4	0	
10	64QAM	25	0	20.73	20.66	20.68			
10	64QAM	25	12	20.73	20.66	20.68			
10	64QAM	25	25	20.68	20.65	20.62			
10	64QAM	50	0	20.66	20.58	20.66	22	0.4	
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	21.51	21.50	21.53	22.4	0	
5	QPSK	1	12	21.56	21.58	21.50			
5	QPSK	1	24	21.54	21.54	21.44			
5	QPSK	12	0	21.62	21.61	21.52			
5	QPSK	12	7	21.30	21.63	21.63	22.4	0	
5	QPSK	12	13	21.58	21.57	21.58			
5	QPSK	25	0	21.63	21.61	21.49			
5	16QAM	1	0	21.62	21.48	21.63			
5	16QAM	1	12	21.63	21.45	21.62	22.4	0	
5	16QAM	1	24	21.58	21.54	21.63			
5	16QAM	12	0	21.59	21.58	21.64			
5	16QAM	12	7	21.49	21.25	21.59			
5	16QAM	12	13	21.62	21.63	21.59	22.4	0	
5	16QAM	25	0	21.63	21.54	21.62			
5	64QAM	1	0	21.64	21.57	21.56			
5	64QAM	1	12	21.63	21.57	21.49			
5	64QAM	1	24	21.56	21.61	21.54	22.4	0	
5	64QAM	12	0	20.77	20.67	20.69			
5	64QAM	12	7	20.74	20.71	20.73			
5	64QAM	12	13	20.72	20.64	20.64			
5	64QAM	25	0	20.68	20.56	20.66	22	0.4	
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	21.51	21.43	21.52	22.4	0	
3	QPSK	1	8	21.58	21.58	21.56			
3	QPSK	1	14	21.55	21.46	21.48			
3	QPSK	8	0	21.56	21.60	21.58			
3	QPSK	8	4	21.59	21.63	21.62	22.4	0	
3	QPSK	8	7	21.56	21.64	21.53			
3	QPSK	15	0	21.55	21.62	21.58			
3	16QAM	1	0	21.54	21.52	21.55			
3	16QAM	1	8	21.56	21.50	21.58	22.4	0	
3	16QAM	1	14	21.54	21.58	21.48			
3	16QAM	8	0	21.58	21.60	21.59			
3	16QAM	8	4	21.60	21.30	21.45			
3	16QAM	8	7	21.50	21.40	21.48	22.4	0	
3	16QAM	15	0	21.64	21.56	21.44			
3	64QAM	1	0	21.59	21.51	21.53			
3	64QAM	1	8	21.56	21.61	21.45			
3	64QAM	1	14	21.61	21.56	21.57	22	0.4	
3	64QAM	8	0	20.71	20.60	20.52			
3	64QAM	8	4	20.71	20.70	20.71			
3	64QAM	8	7	20.66	20.67	20.64			
3	64QAM	15	0	20.66	20.61	20.57	22	0.4	
Channel				131979	132322	132665			
Frequency (MHz)				1710.7	1745	1779.5			
1.4	QPSK	1	0	21.53	21.40	21.39	22.4	0	
1.4	QPSK	1	3	21.50	21.43	21.43			
1.4	QPSK	1	5	21.44	21.40	21.42			
1.4	QPSK	3	0	21.54	21.45	21.41			
1.4	QPSK	3	1	21.48	21.48	21.45	22.4	0	
1.4	QPSK	3	3	21.41	21.44	21.44			
1.4	QPSK	6	0	21.45	21.53	21.50			
1.4	16QAM	1	0	21.44	21.45	21.49			
1.4	16QAM	1	3	21.50	21.57	21.54	22.4	0	
1.4	16QAM	1	5	21.46	21.47	21.42			
1.4	16QAM	1	8	21.55	21.54	21.51			
1.4	16QAM	3	1	21.63	21.42	21.58			
1.4	16QAM	3	3	21.53	21.59	21.55	22.4	0	
1.4	16QAM	6	0	21.44	21.30	21.21			
1.4	64QAM	1	0	21.60	21.45	21.57			
1.4	64QAM	1	3	21.63	21.57	21.53			
1.4	64QAM	1	5	21.50	21.48	21.46	22.4	0	
1.4	64QAM	3	1	21.53	21.50	21.43			
1.4	64QAM	3	1	21.49	21.45	21.44			
1.4	64QAM	3	3	21.33	21.43	21.37			
1.4	64QAM	6	0	20.53	20.60	20.55	22	0.4	

Band 48 (3.5G Band)											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56990	56150	56640			
Frequency (MHz)				3560	3609	3625	3641	3690			
20	QPSK	1	0	22.42	22.62	22.52	22.50	22.43	23.6	0	
20	QPSK	1	49	22.45	22.56	22.49	22.54	22.35			
20	QPSK	1	99	22.61	22.57	22.51	22.56	22.36			
20	QPSK	50	0	22.23	22.31	22.25	22.24	22.19	23.3	0.3	
20	QPSK	50	24	22.28	22.21	22.25	21.95	22.14			
20	QPSK	50	50	22.25	22.27	22.25	22.18	22.04			
20	QPSK	100	0	22.10	22.28	22.11	22.16	21.99	23.3	0.3	
20	16QAM	1	0	22.08	21.96	22.00	21.93	22.00			
20	16QAM	1	49	22.05	22.04	21.82	22.13	21.53			
20	16QAM	1	99	22.11	22.06	21.79	22.17	22.15	22.3	1.3	
20	16QAM	50	0	21.16	21.25	21.25	21.15	21.11			
20	16QAM	50	24	21.28	21.21	21.21	21.12	21.08			
20	16QAM	50	50	21.29	21.25	21.22	21.15	21.18	22.3	1.3	
20	16QAM	100	0	21.18	21.13	20.97	21.16	21.06			
20	64QAM	1	0	21.18	21.40	21.08	21.35	21.32			
20	64QAM	1	49	21.22	21.36	20.98	21.13	21.20	22.3	1.3	
20	64QAM	1	99	21.25	21.21	20.96	21.12	21.08			
20	64QAM	50	0	20.59	20.49	20.65	20.40	20.51			
20	64QAM	50	24	20.65	20.37	20.66	20.28	20.49	21.3	2.3	
20	64QAM	50	50	20.56	20.37	20.60	20.43	20.44			
20	64QAM	100	0	20.57	20.38	20.28	20.35	20.21			
Channel				55315	55820	56990	56160	56665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3603	3625	3642	3692.5			
15	QPSK	1	0	22.34	22.62	22.52	22.68	22.40	23.6	0	
15	QPSK	1	37	22.50	22.65	22.52	22.61	22.36			
15	QPSK	1	74	22.66	22.71	22.67	22.61	22.42			
15	QPSK	36	0	22.55	22.69	22.55	22.31	22.52	23.3	0.3	
15	QPSK	36	20	22.57	22.63	22.57	22.35	22.46			
15	QPSK	36	39	22.67	22.56	22.48	22.40	22.48			
15	QPSK	75	0	22.60	22.59	22.45	22.24	22.45	23.3	0.3	
15	16QAM	1	0	22.43	22.57	22.36	22.46	22.55			
15	16QAM	1	37	22.50	22.56	22.54	22.24	22.27			
15	16QAM	1	74	22.61	22.57	22.60	22.36	22.21	22.3	1.3	
15	16QAM	36	0	21.66	21.86	21.85	21.50	21.60			
15	16QAM	36	20	21.66	21.85	21.81	21.44	21.58			
15	16QAM	36	39	21.72	21.81	21.85	21.46	21.55	22.3	1.3	
15	16QAM	75	0	21.73	21.82	21.73	21.42	21.68			
15	64QAM	1	0	21.61	21.67	21.62	21.26	21.54			
15	64QAM	1	37	21.68	21.49	21.60	21.50	21.56	22.3	1.3	
15	64QAM	1	74	21.72	21.50	21.68	21.45	21.35			
15	64QAM	36	0	21.02	20.96	21.11	20.67	20.90			
15	64QAM	36	20	21.03	20.93	21.09	20.72	20.78	21.3	2.3	
15	64QAM	36	39	21.12	20.93	21.04	20.68	20.76			
15	64QAM	75	0	21.06	21.07	20.81	20.64	20.82			
Channel				55209	55813	56990	56163	56690	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3607.5	3625	3642.5	3695			
10	QPSK	1	0	22.32	22.56	22.66	22.67	22.28	23.6	0	
10	QPSK	1	25	22.41	22.62	22.67	22.56	22.30			
10	QPSK	1	49	22.55	22.65	22.42	22.69	22.34			
10	QPSK	25	0	22.50	22.68	22.52	22.33	22.47	23.3	0.3	
10	QPSK	25	12	22.49	22.70	22.48	22.35	22.49			
10	QPSK	25	25	22.62	22.61	22.48	22.36	22.44			
10	QPSK	50	0	22.50	22.57	22.45	22.17	22.36	23.3	0.3	
10	16QAM	1	0	22.46	22.64	22.55	22.30	22.50			
10	16QAM	1	25	22.54	22.69	22.27	22.34	22.41			
10	16QAM	1	49	22.68	22.67	22.21	22.40	22.39	22.3	1.3	
10	16QAM	25	0	21.59	21.83	21.60	21.51	21.55			
10	16QAM	25	12	21.57	21.82	21.58	21.56	21.60			
10	16QAM	25	25	21.61	21.79	21.55	21.52	21.61	22.3	1.3	
10	16QAM	50	0	21.64	21.75	21.68	21.39	21.61			
10	64QAM	1	0	21.28	21.56	21.12	21.29	21.53			
10	64QAM	1	25	21.52	21.53	21.29	21.15	21.29	22.3	1.3	
10	64QAM	1	49	21.52	21.49	21.52	21.15	21.19			
10	64QAM	25	0	20.57	20.81	20.57	20.43	20.53			
10	64QAM	25	12	20.58	20.82	20.52	20.35	20.54	21.3	2.3	
10	64QAM	25	25	20.62	20.76	20.40	20.46	20.53			
10	64QAM	50	0	20.60	20.76	20.33	20.33	20.51			
Channel				55265	55810	56990	56170	56715	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3552.5	3607	3625	3643	3697.5			
5	QPSK	1	0	22.37	22.61	22.64	22.68	22.51	23.6	0	
5	QPSK	1	12	22.33	22.68	22.51	22.63	22.39			
5	QPSK	1	24	22.51	22.70	22.62	22.56	22.52			
5	QPSK	12	0	22.46	22.66	22.54	22.39	22.54	23.3	0.3	
5	QPSK	12	7	22.48	22.71	22.67	22.49	22.57			
5	QPSK	12	13	22.53	22.67	22.57	22.41	22.57			
5	QPSK	25	0	22.52	22.64	22.47	22.23	22.47	23.3	0.3	
5	16QAM	1	0	22.51	22.67	22.46	22.26	22.46			
5	16QAM	1	12	22.56	22.71	22.59	22.33	22.49			
5	16QAM	1	24	22.68	22.52	22.58	22.50	22.58	22.3	1.3	
5	16QAM	12	0	21.56	21.80	21.58	21.43	21.58			
5	16QAM	12	7	21.59	21.83	21.63	21.54	21.63			
5	16QAM	12	13	21.59	21.81	21.65	21.52	21.65	22.3	1.3	
5	16QAM	25	0	21.62	21.83	21.64	21.46	21.64			
5	64QAM	1	0	21.21	21.59	21.35	21.21	21.35			
5	64QAM	1	12	21.25	21.51	21.28	21.21	21.28	22.3	1.3	
5	64QAM	1	24	21.36	21.57	21.36	21.30	21.36			
5	64QAM	12	0	20.52	20.86	20.56	20.46	20.63			
5	64QAM	12	7	20.58	20.85	20.46	20.49	20.63	21.3	2.3	
5	64QAM	12	13	20.63	20.80	20.68	20.52	20.65			
5	64QAM	25	0	20.60	20.76	20.80	20.42	20.60			

Reduced Power - DSI 1 for BodyWorn / Handheld_Ant 3

Band 2 (1900MHz Band)										Band 66																
Part 24E																										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)								
Channel				18700	18900	19100				Channel				132072	132322	132572										
Frequency (MHz)				1860	1880	1900				Frequency (MHz)				1720	1745	1770										
20	QPSK	1	0	20.85	20.86	20.75	21.5	0		20	QPSK	1	0	21.31	21.33	21.21	22	0								
20	QPSK	1	49	20.63	20.48	20.67				20	QPSK	1	49	21.26	21.21	21.21										
20	QPSK	1	99	20.58	20.49	20.66				20	QPSK	1	99	21.23	21.16	21.22										
20	QPSK	50	0	20.62	20.65	20.49				20	QPSK	50	0	21.32	21.30	21.21										
20	QPSK	50	24	20.51	20.54	20.26				20	QPSK	50	24	21.33	21.30	21.24										
20	QPSK	50	50	20.21	20.34	20.29	21.5	0		20	QPSK	50	50	21.28	21.32	21.32	22	0								
20	QPSK	100	0	20.49	20.62	20.32				20	QPSK	100	0	21.22	21.23	21.22										
20	16QAM	1	0	19.89	20.18	20.14				20	16QAM	1	0	20.70	20.81	20.77										
20	16QAM	1	49	19.93	19.92	19.97				20	16QAM	1	49	20.65	20.75	20.64										
20	16QAM	1	99	20.00	19.98	20.28				20	16QAM	1	99	20.53	20.57	20.94										
20	16QAM	50	0	20.26	20.63	20.31	21.5	0		20	16QAM	50	0	20.72	20.92	20.75	22	0								
20	16QAM	50	24	20.33	20.65	20.36				20	16QAM	50	24	20.89	21.00	20.80										
20	16QAM	50	50	20.50	20.40	20.35				20	16QAM	50	50	20.90	20.94	20.92										
20	16QAM	100	0	20.28	20.52	20.44				20	16QAM	100	0	20.87	20.93	20.83										
20	64QAM	1	0	20.33	20.34	20.22				20	64QAM	1	0	20.43	20.50	20.58										
20	64QAM	1	49	20.29	20.36	20.10	21.5	0		20	64QAM	1	49	20.60	20.65	20.62	22	0								
20	64QAM	1	99	20.13	20.09	20.14				20	64QAM	1	99	20.59	20.62	20.71										
20	64QAM	50	0	20.14	20.21	20.04				20	64QAM	50	0	19.62	19.63	19.52										
20	64QAM	50	24	20.22	20.26	19.99				20	64QAM	50	24	19.72	19.90	19.84										
20	64QAM	50	50	20.25	20.20	20.16				20	64QAM	50	50	19.89	19.92	19.90										
20	64QAM	100	0	19.81	20.00	20.20	20.5	1		20	64QAM	100	0	19.78	19.92	19.78	21	1								
Channel				18675	18900	19125				Channel				132047	132322	132597				Channel				132047	132322	132597
Frequency (MHz)				1857.5	1880	1902.5				Frequency (MHz)				1717.5	1745	1775				Frequency (MHz)				1717.5	1745	1775
15	QPSK	1	0	20.59	20.69	20.68	21.5	0		15	QPSK	1	0	21.16	21.24	21.07	22	0								
15	QPSK	1	37	20.39	20.51	20.77				15	QPSK	1	37	21.04	21.28	21.00										
15	QPSK	1	74	20.74	20.48	20.73				15	QPSK	1	74	20.99	21.14	21.13										
15	QPSK	36	0	20.48	20.55	20.35				15	QPSK	36	0	21.23	20.95	20.94										
15	QPSK	36	20	20.35	20.55	20.53				15	QPSK	36	20	21.18	21.27	20.94										
15	QPSK	36	39	20.21	20.35	20.40	21.5	0		15	QPSK	36	39	21.25	21.12	21.20	22	0								
15	QPSK	75	0	20.38	20.71	20.66				15	QPSK	75	0	21.23	21.31	21.02										
15	16QAM	1	0	19.91	20.11	20.14				15	16QAM	1	0	20.38	20.68	20.75										
15	16QAM	1	37	19.80	19.88	20.03				15	16QAM	1	37	20.44	20.74	20.51										
15	16QAM	1	74	20.01	19.89	19.80				15	16QAM	1	74	20.33	20.35	20.36										
15	16QAM	36	0	20.27	20.68	20.60	21.5	0		15	16QAM	36	0	20.56	20.76	20.53	22	0								
15	16QAM	36	20	20.46	20.72	20.71				15	16QAM	36	20	20.85	20.88	20.64										
15	16QAM	36	39	20.49	20.40	20.31				15	16QAM	36	39	20.82	20.70	20.80										
15	16QAM	75	0	20.25	20.52	20.63				15	16QAM	75	0	20.76	20.92	20.59										
15	64QAM	1	0	20.44	20.34	20.38				15	64QAM	1	0	20.46	20.44	20.57										
15	64QAM	1	37	20.44	20.45	20.46	21.5	0		15	64QAM	1	37	20.53	20.67	20.56	22	0								
15	64QAM	1	74	20.20	20.08	20.48				15	64QAM	1	74	20.43	20.69	20.63										
15	64QAM	36	0	20.10	20.13	20.28				15	64QAM	36	0	19.51	19.51	19.57										
15	64QAM	36	20	20.23	20.21	20.08				15	64QAM	36	20	19.56	19.74	19.62										
15	64QAM	36	39	20.16	20.12	20.06				15	64QAM	36	39	19.85	19.80	19.74										
15	64QAM	75	0	20.09	20.20	20.08	20.5	1		15	64QAM	75	0	19.70	19.68	19.66	21	1								
Channel				18650	18900	19150				Channel				132022	132322	132622				Channel				132022	132322	132622
Frequency (MHz)				1855	1880	1905				Frequency (MHz)				1715	1745	1775				Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	20.72	20.70	20.69	21.5	0		10	QPSK	1	0	21.21	21.31	21.29	22	0								
10	QPSK	1	25	20.36	20.58	20.84				10	QPSK	1	25	21.15	21.25	21.21										
10	QPSK	1	49	20.62	20.55	20.80				10	QPSK	1	49	21.01	21.20	21.32										
10	QPSK	25	0	20.31	20.46	20.26				10	QPSK	25	0	21.01	21.31	21.24										
10	QPSK	25	12	20.48	20.48	20.46				10	QPSK	25	12	21.33	21.25	21.23										
10	QPSK	25	25	19.99	20.31	20.36	21.5	0		10	QPSK	25	25	21.29	21.26	21.01	22	0								
10	QPSK	50	0	20.34	20.66	20.61				10	QPSK	50	0	21.04	21.24	21.30										
10	16QAM	1	0	19.82	20.12	20.15				10	16QAM	1	0	20.56	20.93	20.48										
10	16QAM	1	25	19.98	19.91	20.06				10	16QAM	1	25	20.90	20.89	20.59										
10	16QAM	1	49	20.18	19.93	19.84				10	16QAM	1	49	20.70	20.78	20.64										
10	16QAM	25	0	20.38	20.57	20.49	21.5	0		10	16QAM	25	0	20.63	20.74	20.38	22	0								
10	16QAM	25	12	20.34	20.64	20.63				10	16QAM	25	12	20.44	20.85	20.68										
10	16QAM	25	25	20.21	20.37	20.28				10	16QAM	25	25	20.62	20.62	20.55										
10	16QAM	50	0	20.09	20.42	20.53				10	16QAM	50	0	20.53	20.80	20.32										
10	64QAM	1	0	20.38	20.47	20.51				10	64QAM	1	0	20.73	20.72	20.82										
10	64QAM	1	25	20.51	20.58	20.59	21.5	0		10	64QAM	1	25	20.89	20.83	20.75	22	0								
10	64QAM	1	49	20.33	20.36	20.76				10	64QAM	1	49	20.73	20.79	20.71										
10	64QAM	25	0	20.04	20.10	20.10				10	64QAM	25	0	19.76	19.76	19.76										
10	64QAM	25	12	20.04	20.23	20.10				10	64QAM	25	12	19.75	19.95	19.70										
10	64QAM	25	25	20.14	20.08	20.02				10	64QAM	25	25	19.78	19.87	19.80										
10	64QAM	50	0	20.05	20.04	20.12	20.5	1		10	64QAM	50	0	19.74	19.91	19.80	21	1								
Channel				18625	18900	19175				Channel				131997	132322	132647				Channel				131997	132322	132647
Frequency (MHz)				1852.5	1880	1907.5				Frequency (MHz)				1712.5	1745	1777.5				Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	20.53	20.64	20.64	21.5	0		5	QPSK	1	0	21.19	21.16	21.06	22	0								
5	QPSK	1	12	20.55	20.68	20.72				5	QPSK	1	12	21.16	21.03	20.93										
5	QPSK	1	24	20.45	20.50	20.66				5	QPSK	1	24	21.05	20.85	21.16										
5	QPSK	12	0	20.42	20.47	20.17				5	QPSK	12	0	21.02	21.12	20.93										
5	QPSK	12	7	20.53	20.48	20.51				5	QPSK	12	7	21.03	21.30	20.93										
5	QPSK	12	13	20.23	20.38	20.33	21.5	0		5	QPSK	12	13	20.93	21.23	21.11	22	0								
5	QPSK	25	0	20.48	20.73	20.59				5	QPSK	25	0	20.92	21.22	20.91										
5	16QAM	1	0	19.77	20.07	19.73				5	16QAM	1	0	20.21	20.41	20.53										
5	16QAM	1	12	19.73	19.89	19.95				5	16QAM	1	12	20.48	20.68	20.53										
5	16QAM	1	24	19.91	20.00	19.91				5	16QAM	1	24	20.39	20.59	20.60										
5	16QAM	12	0	20.20	20.43	20.43	21.5	0		5	16QAM	12	0	20.67	20.74	20.43	22	0								
5	16QAM	12	7	20.49	20.63	20.69				5	16QAM	12	7	20.63	20.81	20.67										
5	16QAM	12	13	20.55	20.42	20.30				5	16QAM	12	13	20.58	20.74	20.53										
5	16QAM	25	0	20.35	20.49	20.52				5	16QAM	25	0	20.67	20.69	20.40										
5	64QAM	1	0	20.42	20.48	20.44				5	64QAM	1	0	20.88	20.85	20.65										
5	64QAM	1	12	20.45	20.47	20.62	21.5	0		5	64QAM	1	12	20.79	20.76	20.86	22	0								
5	64QAM	1	24	20.37	20.43	20.70				5	64QAM	1	24	20.89	20.63	20.73										
5	64QAM	12	0	19.97	20.32	20.32				5	64QAM	12	0	19.76	19.76	19.76										
5	64QAM	12	7	20.08	20.13	20.04				5	64QAM	12	7	19.85	19.90	19.69										
5	64QAM	12	13	20.25	20.10	20.08				5	64QAM	12	13	19.88	19.83	19.73										
5	64QAM	25	0	20.31	20.09	20.14	20.5	1		5																

Full Power

CA_5B										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	target MPR Level (dB	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	49	1	0	1	0	23.67	25.00
20575	20476	QPSK	1	0	1	49	1	0	23.71	25.00
20600	20501	QPSK	1	0	1	49	1	0	23.70	25.00

Reduced Power - DSI 3 for Head

CA_5B										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	target MPR Level (dB	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	49	1	0	1	0	22.53	23.80
20575	20476	QPSK	1	0	1	49	1	0	22.59	23.80
20600	20501	QPSK	1	0	1	49	1	0	22.51	23.80

Full Power

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCO Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	74	1	0	1	0	23.92	25.00
132322	132229	QPSK	1	0	1	24	1	0	23.97	25.00
132597	132504	QPSK	1	0	1	24	1	0	23.87	25.00

Reduced Power - DSI 2 for Hotspot

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCO Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	74	1	0	1	0	19.88	21.40
132322	132229	QPSK	1	0	1	24	1	0	20.03	21.40
132597	132504	QPSK	1	0	1	24	1	0	20.01	21.40

Reduced Power - DSI 1 for BodyWorn / Handheld

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCO Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	74	1	0	1	0	21.27	22.40
132322	132229	QPSK	1	0	1	24	1	0	21.32	22.40
132597	132504	QPSK	1	0	1	24	1	0	21.31	22.40

Full Power

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	24.22	25.00
132322	132124	QPSK	1	0	1	99	1	0	24.24	25.00
132572	132374	QPSK	1	0	1	99	1	0	24.17	25.00

Reduced Power - DSI 2 for Hotspot

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	20.11	21.40
132322	132124	QPSK	1	0	1	99	1	0	20.19	21.40
132572	132374	QPSK	1	0	1	99	1	0	20.06	21.40

Reduced Power - DSI 1 for BodyWorn / Handheld

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	21.37	22.40
132322	132124	QPSK	1	0	1	99	1	0	21.46	22.40
132572	132374	QPSK	1	0	1	99	1	0	21.43	22.40



Full Power

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	100	0	100	0	19.42	20.00
55830	55632	QPSK	100	0	100	0	19.69	20.00
56150	55952	QPSK	100	0	100	0	19.42	20.00
56640	56442	QPSK	100	0	100	0	19.50	20.00



2CA DL Full Power

Configure	PCC								SCC								Power			
	LTE	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	UL	UL	DL Antenna Configuration	With CA	Without CA					
	Band	(MHz)	Freq (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq (MHz)	Channel		Tx Power	Tx Power					
														(dBm)	(dBm)					
	CA_4A-48A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	23.94	24.44				
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.56	23.33					

3CA DL Full Power

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

Configure	PCC								SCC1								SCC2								Power	
	LTE	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA						
	Band	(MHz)	Freq. (MHz)	Channel		RB	RB		Channel	Band	(MHz)	Freq. (MHz)		Channel	Band	(MHz)	Freq. (MHz)		Channel	Tx Power (dBm)	Tx Power (dBm)					
CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.12	24.31						
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.37	24.44						
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.94	24.21						
CA_2A-4A-13A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	24.23	24.31						
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.84	24.44						
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.02	23.93						
CA_2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	24.34	24.31						
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.89	24.21						
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.32	24.41						
CA_2A-13A-48A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	24.26	24.31						
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.03	23.93						
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.76	23.88						
CA_2A-13A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	24.23	24.31						
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.89	23.93						
	Band 66	20M	782	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	24.23	24.41						
CA_13A-48A-66A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.96	23.93						
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.76	23.88						
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	24.23	24.41						

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

Configure	PCC								DL Antenna Configuration	SCC1				DL Antenna Configuration	SCC2				DL Antenna Configuration	Power	
	LTE	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration		LTE	BW	DL	DL		LTE	BW	DL	DL		With CA	Without CA
	Band	(MHz)	Freq.	Channel		RB	RB			Offset	Band	(MHz)	Freq.		Channel	Band	(MHz)	Freq.		Channel	Tx Power (dBm)
CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.21	24.31	
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	24.23	24.44	
	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	24.23	24.44	
CA_2A-4A-4A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.23	24.44	
	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	24.25	24.31	
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.78	23.88	
CA_2A-2A-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.35	24.31	
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.97	24.21	
	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	24.23	24.31	
CA_2A-2A-13A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.94	23.93	
	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	24.21	24.31	
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.67	24.41	
CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	24.21	24.31	
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.99	24.41		
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.09	24.44	
CA_4A-4A-5A	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	24.01	24.21	
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	24.23	24.44	
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.75	23.88	
CA_4A-4A-13A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	24.21	24.44	
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.99	23.93	
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	24.03	24.21	
CA_5A-5A-66A	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 5	5M	891.5	2625	4x4MIMO	24.23	24.41	
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	24.2	24.21	
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.34	24.41	
CA_13A-66A-66A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.94	23.93	
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	24.33	24.41	
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	23.97	23.93	
CA_13A-48A-48A	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.61	23.88	
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 20	2155	66886	4x4MIMO	23.56	23.88		
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	24.32	24.41	
CA_48A-66A-66A	Band 66	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.52	23.88	
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	24.33	24.41	
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 66	5M	2197.5	66461	4x4MIMO	24.4	24.41	
CA_66A-66C	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	66461	4x4MIMO	Band 66	20M	2209.2	66578	4x4MIMO	24.35	24.41	
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	23.99	24.41	

3CA DL Reduced Power - DSI 3 for Head

and for Three Carrier Combination> (three

Configure	PCC							SCC1				SCC2				Power				
	LTE	BW	UL	UL	UL	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)			
CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525	24.23	24.31	
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	4x4MIMO	24.32	24.44
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.56	22.74
CA_2A-4A-13A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230		24.21	24.31
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 2	20M	1960	900	4x4MIMO	23.84	24.44
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.34	21.4
CA_2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	24.23	24.31
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.66	22.74
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		24.32	24.41
CA_2A-13A-48A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3609	55830	4x4MIMO	24.24	24.31
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.33	21.4
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		23.78	23.88
CA_2A-13A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2155	66886	4x4MIMO	24.24	24.31
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.34	21.4
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		24.21	24.41
CA_13A-48A-66A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	21.35	21.4
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 13	10M	751	5230		23.87	23.88
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3609	55830	4x4MIMO	24.25	24.41

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

Configure	PCC							SCC1				SCC2				Power				
	LTE	BW	UL	UL	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	(MHz)	Freq. (MHz)	Channel	Mod.	RB		RB Offset	Band	(MHz)	Freq. (MHz)		Channel	Band	(MHz)	Freq. (MHz)		Channel	Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.22	24.31
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	24.23	24.44
CA_2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	24.23	24.31
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.34	24.44
CA_2A-48A-48A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	24.26	24.31
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.67	23.88
CA_2A-2A-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.21	24.31
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.67	22.74
CA_2A-2A-13A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	24.3	24.31
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	21.34	21.4
CA_2A-2A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	24.19	24.31
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.72	24.41
CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	24.21	24.31
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.11	24.41
CA_4A-4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.23	24.44
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.67	22.74
CA_4A-48C	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	23.64	24.44
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.51	23.88
CA_4A-4A-13A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	24.3	24.44
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	21.34	21.4
CA_5A-5A-66A	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	5M	891.5	2525	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.67	22.74
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 5	5M	891.5	2525	4x4MIMO	24.32	24.41
CA_5A-66A-66A	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.66	22.74
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	24.21	24.49
CA_13A-66A-66A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	21.34	21.4
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.71	24.41
CA_13A-48A-48A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	21.37	21.4
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.61	23.88
CA_48A-48A-66A	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.76	23.88
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	24.21	24.41
CA_48A-66A-66A	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.52	23.88
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	24.23	24.41
CA_66A-66C	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 66	5M	2197.5	66461	4x4MIMO	24.22	24.41
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	66461	4x4MIMO	Band 66	20M	2209.2	66578	4x4MIMO	24.21	24.41
CA_66A-66A-66A	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	24.2	24.41

3CA DL Reduced Power - DSI 2 for Hotspot

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

Configure	PCC							SCC1				SCC2				Power				
	LTE	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		(dBm)	Tx. Power (dBm)
CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		20.56	20.65
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	4x4MIMO	20.7	20.73
	Band 5	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.94	24.21
CA_2A-4A-13A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230		20.66	20.66
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 2	20M	1960	900	4x4MIMO	20.71	20.73
	Band 13	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.02	23.93
CA_2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886		20.56	20.69
	Band 5	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.89	24.21
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		20.7	20.71
CA_2A-13A-48A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3609	55830		20.64	20.69
	Band 13	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.03	23.93
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		23.87	23.88
CA_2A-13A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2155	66886		20.65	20.69
	Band 13	10M	782	23230	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.89	23.93
	Band 66	20M	782	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		20.7	20.71
CA_13A-48A-66A	Band 13	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2155	66886		23.96	23.93
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 13	10M	751	5230		23.56	23.88
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3609	55830	4x4MIMO	20.68	20.71

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

Configure	PCC							SCC1				SCC2				Power				
	LTE	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	(MHz)	Freq.	Channel		RB	RB Offset		Band	(MHz)	Freq.	Channel		Band	(MHz)	Freq.	Channel		Tx. Power	Tx. Power
		(MHz)															(dBm)	(dBm)		
CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	20.56	20.69
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	20.7	20.73
	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	20.65	20.66
CA_2A-4A-4A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	20.71	20.73
	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	20.58	20.69
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.12	23.22
CA_2A-2A-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	20.58	20.69
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.97	24.21
	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	20.59	20.69
CA_2A-2A-13A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.94	23.93
	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	20.61	20.69
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	24.32	24.41
CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	20.67	20.69
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	20.7	20.71
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	20.75	20.73
CA_4A-4A-5A	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.78	24.21
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	20.78	20.73
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.23	23.22
CA_4A-4A-13A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	20.75	20.73
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.99	23.93
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	5M	891.5	2625	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	24.03	24.21
CA_5A-5A-66A	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 5	5M	891.5	2625	4x4MIMO	20.7	20.71
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.88	24.21
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	20.74	20.71
CA_13A-66A-66A	Band 66	20M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.94	23.93
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	20.68	20.71
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	23.97	23.93
CA_13A-48A-48A	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.21	23.22
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.12	23.22
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	20.69	20.71
CA_48A-66A-66A	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.21	23.22
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	20.68	20.71
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 66	5M	2197.5	66461	4x4MIMO	20.7	20.71
CA_66A-66C	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	66461	4x4MIMO	Band 66	20M	2209.2	66578	4x4MIMO	20.66	20.71
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	20.68	20.71
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	20.68	20.71

3CA DL Reduced Power - DSI 1 for BodyWorn / Handheld

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

Configure	PCC							SCC1					SCC2					Power		
	LTE	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	(MHz)	Freq.	Channel		RB	RB		Band	(MHz)	Freq.	Channel		Band	(MHz)	Freq.	Channel		Tx. Power	Tx. Power
		(MHz)				Offset													(dBm)	(dBm)
CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	23.56	23.69
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.54	22.59
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.94	24.21
CA_2A-4A-13A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.55	23.69
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.56	22.59
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.02	23.93
CA_2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.54	23.69
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.89	24.21
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	22.43	22.51
CA_2A-13A-48A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	23.65	23.69
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.03	23.93
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.12	23.22
CA_2A-13A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.55	23.69
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.89	23.93
	Band 66	20M	782	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	22.45	22.51
CA_13A-48A-66A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.96	23.93
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.21	23.22
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	22.45	22.51

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

Configure	PCC								SCC1				SCC2				Power			
	LTE	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.54	23.69
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.43	22.59
CA_2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.45	23.69
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.45	22.59
CA_2A-48A-48A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	23.6	23.69
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.25	23.22
CA_2A-2A-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	23.6	23.69
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.97	24.21
CA_2A-2A-13A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.65	23.69
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.94	23.93
CA_2A-2A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.66	23.69
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.51	22.51
CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.65	23.69
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.5	22.51
CA_4A-4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	22.61	22.59
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.78	24.21
CA_4A-48C	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	22.6	22.59
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.24	23.22
CA_4A-4A-13A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	22.6	22.59
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.99	23.93
CA_5A-5A-66A	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	5M	881.5	2525	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	24.03	24.21
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 5	5M	881.5	2525	4x4MIMO	22.6	22.51
CA_5A-66A-66A	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.88	24.21
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	22.61	22.51
CA_13A-66A-66A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.94	23.93
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	22.62	22.51
CA_13A-48A-48A	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	23.97	23.93
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	23.23	23.22
CA_48A-48A-66A	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.24	23.22
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	22.45	22.51
CA_48A-66A-66A	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.24	23.22
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	22.53	22.51
CA_66A-66C	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 66	5M	2197.5	66461	4x4MIMO	22.55	22.51
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	66461	4x4MIMO	Band 66	20M	2209.2	66578	4x4MIMO	22.51	22.51
CA_66A-66A-66A	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	22.49	22.51

4CA DL 3CA DL Full Power

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

Configure	PCC								SCC1				SCC2				SCC3				Power				
	LTE	BW	UL	UL	Mod.	ULF RB	UL RB Offset	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
	Band	(MHz)	Freq. (MHz)	Channel					Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)
CA_2A-2A-66B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.74	24.31
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	24.02	24.44
CA_2A-2A-66C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	23.67	24.31
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	24.03	24.41
CA_2A-4A-5B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	836.5	2525		Band 5	5M	881.2	2597	4x4MIMO	23.99	24.31
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		Band 2	20M	1880	900	4x4MIMO	24.01	24.44
CA_2A-5A-66B	Band 5	10M	836.5	20525	QPSK	1	0		Band 5	10M	891.4	2624		Band 4	20M	2132.5	2175	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	24.06	24.21
	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.8	24.31
CA_2A-5A-66B	Band 5	10M	836.5	20525	Band 66	1	0		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.86	24.21
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	4x4MIMO	23.55	24.44
CA_2A-5A-66C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	23.42	24.31
	Band 5	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.91	24.21
CA_2A-5B-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		Band 2	20M	1960	900	4x4MIMO	22.78	24.41
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.85	24.21
CA_2A-5B-66A	Band 5	10M	836.5	20525	QPSK	1	0		Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		Band 2	20M	1960	900	4x4MIMO	22.67	24.41
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		Band 2	20M	1960	900	4x4MIMO	23.85	24.21
CA_2A-13A-48C	Band 13	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.88	23.93
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		23.27	23.88
CA_2A-13A-48C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	24.06	24.31
	Band 13	10M	782	23230	QPSK	1	0		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.88	23.93
CA_2A-13A-66B	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		23.67	24.44
	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	24.05	24.31
CA_2A-13A-66C	Band 13	10M	782	23230	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.69	23.93
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		24.32	24.41
CA_2A-48A-48C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	24.1	24.31
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.65	23.88
CA_2A-48D	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	24.12	24.31
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.43	23.88
CA_4A-4A-5B	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	881.2	2597		24.07	24.44
	Band 5	10M	836.5	20525	QPSK	1	0		Band 5	10M	891.4	2624		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	24.07	24.21
CA_4A-48D	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	23.89	24.44
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.56	23.88
CA_5A-5A-66B	Band 5	10M	836.5	20525	QPSK	1	0		Band 5	5M	891.5	2625		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.96	24.21
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		23.84	24.44
CA_5A-5A-66C	Band 5	10M	836.5	20525	QPSK	1	0		Band 5	5M	891.5	2625		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	24.12	24.21
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		23.98	24.41
CA_5B-66A-66A	Band 5	10M	836.5	20525	QPSK	1	0		Band 5	10M	891.4	2624		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.95	24.21
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		23.73	24.41
CA_5B-66B	Band 5	10M	836.5	20525	QPSK	1	0		Band 5	10M	891.4	2624		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.87	24.21
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		24.32	24.44
CA_5B-66C	Band 5	10M	836.5	20525	QPSK	1	0		Band 5	10M	891.4	2624		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	23.91	24.21
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		24.34	24.41
CA_13A-48A-48C	Band 13	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	23.88	23.93
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	Band 13	10M	751	5230		23.42	23.88
CA_13A-48A-66B	Band 13	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.88	23.93
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 13	10M	751	5230		23.42	23.88
CA_13A-48A-66B	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3609	55830	4x4MIMO	24.32	24.44
	Band 13	10M	782																						

4CA DL - DSI 2 for Hotspot

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

Configure	PCC								SCC1				SCC2				SCC3				Power				
	LTE	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx Power (dBm)	Tx Power (dBm)
CA_2A-2A-66B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	15M	2145	6686	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	20.55	20.69
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	20.23	20.3
CA_2A-2A-66C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	6686	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	20.66	20.66
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	20.7	20.71
CA_2A-4A-5B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		20.34	20.69
	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		Band 2	20M	1960	900	4x4MIMO	20.44	20.73
CA_2A-5A-66B	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624		Band 4	20M	2132.5	2175	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.05	24.21
	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	15M	2155	6686	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	20.56	20.69
CA_2A-5A-66B	Band 5	10M	836.5	20525	Band 66	1	0		Band 66	15M	2155	6686	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.86	24.21
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	4x4MIMO	20.31	20.3
CA_2A-5A-66C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	6686	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	20.55	20.69
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	6686	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.91	24.21
CA_2A-5B-66A	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	4x4MIMO	20.68	20.71
	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		Band 66	20M	2155	6686	4x4MIMO	20.67	20.69
CA_2A-5B-66A	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624		Band 66	20M	2155	6686	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.85	24.21
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		Band 2	20M	1960	900	4x4MIMO	20.7	20.71
CA_2A-13A-48C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	20.5	20.69
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.88	23.93
CA_2A-13A-48C	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		23.12	23.22
	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	15M	2155	6686	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	20.55	20.69
CA_2A-13A-66B	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	15M	2155	6686	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.88	23.93
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		20.23	20.3
CA_2A-13A-66C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2155	6686	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	20.55	20.69
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155	6686	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.69	23.93
CA_2A-13A-66C	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		20.67	20.71
CA_2A-48A-48C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	20.46	20.69
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.4	23.88
CA_2A-48D	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	20.51	20.69
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.01	23.22
CA_4A-4A-5B	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375		Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		20.51	20.73
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.98	24.21
CA_4A-48D	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	20.71	20.73
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.12	23.22
CA_5A-5A-66B	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	5M	891.5	2625		Band 66	15M	2155	6686	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.96	24.21
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		20.23	20.3
CA_5A-5A-66C	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	5M	891.5	2625		Band 66	20M	2155	6686	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	24.12	24.21
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		20.67	20.71
CA_5B-66A-66A	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624		Band 66	20M	2155	6686	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.95	24.21
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		20.7	20.71
CA_5B-66B	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624		Band 66	15M	2155	6686	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.87	24.21
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		20.12	20.3
CA_5B-66C	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624		Band 66	20M	2155	6686	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	23.91	24.21
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		20.67	20.71
CA_13A-48A-48C	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	23.74	23.93
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 13	10M	751	5230		23.01	23.22
CA_13A-48A-66B	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 66	15M	2155	6686	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.88	23.93
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	15M	2155	6686	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 13	10M	751	5230		23.12	23.22
CA_13A-48A-66C	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4												

4CA DL Reduced Power - DSI 1 for BodyWorn / Handheld

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

Configure	PCC							SOC1							SOC2							SOC3							Power		
	LTE	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx Power (dBm)	Tx Power (dBm)						
CA_2A-2A-66B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.56	23.66	
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.45	22.51	
CA_2A-2A-66C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	23.55	23.66	
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.46	22.51	
CA_2A-4A-5B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		Band 5	10M	891.4	2624		4x4MIMO	23.42	23.69
	Band 5	10M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.28	22.59	
CA_2A-5A-66B	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	20M	2174.8	67084	4x4MIMO	Band 4	20M	2174.8	67084	4x4MIMO	23.97	24.21	
	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.66	23.69	
CA_2A-5A-66C	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.86	24.21	
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.45	22.51	
CA_2A-5A-66C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	23.65	23.69	
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.91	24.21	
CA_2A-5B-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.55	23.69	
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.85	24.21	
CA_2A-13A-48C	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.96	24.21	
	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	23.62	23.69	
CA_2A-13A-66B	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.88	23.93	
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		Band 13	10M	751	5230		23.3	23.22	
CA_2A-13A-66B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.54	23.69	
	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.88	23.93	
CA_2A-13A-66C	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		Band 13	10M	751	5230		22.45	22.51	
	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	23.67	23.69	
CA_2A-48A-48C	Band 13	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.69	23.93	
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		Band 13	10M	751	5230		22.56	22.51	
CA_2A-48A-48C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	23.34	23.69	
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.42	23.88	
CA_2A-48D	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	23.37	23.69	
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.05	23.22	
CA_4A-4A-5B	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		22.28	22.59	
	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.96	24.21	
CA_4A-48D	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	22.56	22.59	
	Band 48	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.32	23.22	
CA_5A-5A-66B	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	5M	891.5	2625		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.96	24.21	
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		Band 5	5M	891.5	2625		22.31	22.28	
CA_5A-5A-66C	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	5M	891.5	2625		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	24.12	24.21	
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		Band 5	5M	891.5	2625		22.5	22.51	
CA_5B-66A-66A	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	23.95	24.21	
	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		Band 5	5M	891.5	2625		22.43	22.51	
CA_5B-66B	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624		Band 66	5M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.87	24.21	
	Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	891.4	2624		Band 5	10M	891.4	2624		22.31	22.28	
CA_5B-66C	Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 5	10M	891.4	2624		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	23.91	24.21	
	Band 66	20M	1745	132																											

Full Power

n2 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.83	24.15	23.86	25.0	0.0
20	PI/2 BPSK	1	53	24.02	24.10	23.98		
20	PI/2 BPSK	1	104	23.95	24.00	23.90		
20	PI/2 BPSK	50	0	23.16	23.30	23.15		
20	PI/2 BPSK	50	28	23.65	23.85	23.77	25.0	0.0
20	PI/2 BPSK	50	56	23.22	23.31	23.26	24.5	0.5
20	PI/2 BPSK	100	0	23.25	23.34	23.19	24.5	0.5
20	QPSK	1	1	23.91	24.16	23.99	25.0	0.0
20	QPSK	1	53	24.01	24.13	24.04		
20	QPSK	1	104	23.88	24.12	23.99		
20	QPSK	50	0	23.13	23.37	23.10		
20	QPSK	50	28	23.83	23.94	23.88	25.0	0.0
20	QPSK	50	56	23.22	23.37	23.20	24.5	0.5
20	QPSK	100	0	23.16	23.39	23.09	24.0	1.0
20	16QAM	1	1	23.46	23.69	23.44	24.0	1.0
20	64QAM	1	1	21.58	21.88	21.51	22.5	2.5
20	256QAM	1	1	19.56	19.73	19.55	20.5	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	24.11	24.15	24.10	25.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	24.08	24.12	24.04	25.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	24.05	24.13	24.01	25.0	0.0

n5 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.96	24.20	23.88	25.0	0.0
20	PI/2 BPSK	1	53	24.01	24.02	23.96		
20	PI/2 BPSK	1	104	23.65	23.82	23.59		
20	PI/2 BPSK	50	0	24.02	24.10	23.93		
20	PI/2 BPSK	50	28	23.88	23.98	23.75	25.0	0.0
20	PI/2 BPSK	50	56	23.75	23.83	23.70	24.5	0.5
20	PI/2 BPSK	100	0	23.86	23.99	23.81	24.5	0.5
20	QPSK	1	1	24.11	24.25	24.05	25.0	0.0
20	QPSK	1	53	24.07	24.22	24.03		
20	QPSK	1	104	23.86	23.96	23.87		
20	QPSK	50	0	23.54	23.60	23.55	24.5	0.5
20	QPSK	50	28	24.01	24.04	23.97	25.0	0.0
20	QPSK	50	56	23.36	23.41	23.26	24.5	0.5
20	QPSK	100	0	23.51	23.58	23.56	24.0	1.0
20	16QAM	1	1	23.55	23.64	23.42	24.0	1.0
20	64QAM	1	1	22.03	22.09	21.99	22.5	2.5
20	256QAM	1	1	20.14	20.24	20.01	20.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.91	23.96	23.84	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.88	23.95	23.82	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.85	23.98	23.84	25.0	0.0

n66 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	23.84	24.03	23.97	25.0	0.0
20	PI/2 BPSK	1	53	23.75	24.01	23.85		
20	PI/2 BPSK	1	104	23.73	24.05	23.86		
20	PI/2 BPSK	50	0	23.51	23.94	23.78		
20	PI/2 BPSK	50	28	23.57	23.87	23.69	24.5	0.5
20	PI/2 BPSK	50	56	23.51	23.80	23.74	25.0	0.0
20	PI/2 BPSK	100	0	23.55	23.87	23.79	24.5	0.5
20	QPSK	1	1	23.95	24.11	24.05	25.0	0.0
20	QPSK	1	53	23.88	24.07	24.01		
20	QPSK	1	104	23.86	24.10	24.02		
20	QPSK	50	0	23.17	23.41	23.32		
20	QPSK	50	28	23.78	23.89	23.83	24.5	0.5
20	QPSK	50	56	23.14	23.40	23.34	25.0	0.0
20	QPSK	100	0	23.16	23.40	23.28	24.5	0.5
20	16QAM	1	1	23.21	23.47	23.32	24.0	1.0
20	64QAM	1	1	21.68	21.95	21.84	22.5	2.5
20	256QAM	1	1	19.62	19.94	19.85	20.5	4.5
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.66	23.86	23.73	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.65	23.85	23.76	25.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.67	23.83	23.73	25.0	0.0

Reduced Power - DSI 3 for Head

n2 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	19.05	19.06	19.14	20.0	0.0
20	PI/2 BPSK	1	53	19.33	19.30	19.38		
20	PI/2 BPSK	1	104	19.14	18.97	19.07		
20	PI/2 BPSK	50	0	19.02	18.90	19.07		
20	PI/2 BPSK	50	28	19.13	18.88	19.17	20.0	0.0
20	PI/2 BPSK	50	56	19.16	19.04	19.08		
20	PI/2 BPSK	100	0	19.15	18.85	19.08		
20	QPSK	1	1	19.35	19.48	19.44		
20	QPSK	1	53	19.32	18.98	19.33	20.0	0.0
20	QPSK	1	104	19.14	18.95	19.08		
20	QPSK	50	0	19.05	18.90	19.17		
20	QPSK	50	28	19.33	19.43	19.37		
20	QPSK	50	56	18.99	18.85	18.97	20.0	0.0
20	QPSK	100	0	19.21	19.42	19.36		
20	16QAM	1	1	18.50	18.98	18.55		
20	64QAM	1	1	19.21	18.82	19.05		
20	256QAM	1	1	18.77	18.81	18.85	20.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.36	19.27	19.36	20.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.30	19.18	19.27	20.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.15	19.30	19.20	20.0	0.0

n5 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.56	21.59	21.53	22.8	0.0
20	PI/2 BPSK	1	53	21.46	21.74	21.62		
20	PI/2 BPSK	1	104	21.37	21.25	21.32		
20	PI/2 BPSK	50	0	21.51	21.46	21.43		
20	PI/2 BPSK	50	28	21.45	21.35	21.45	22.8	0.0
20	PI/2 BPSK	50	56	21.39	21.29	21.30		
20	PI/2 BPSK	100	0	21.41	21.37	21.33		
20	QPSK	1	1	21.50	21.70	21.42		
20	QPSK	1	53	21.63	21.97	21.73	22.8	0.0
20	QPSK	1	104	21.33	21.30	21.31		
20	QPSK	50	0	21.50	21.54	21.52		
20	QPSK	50	28	21.43	21.56	21.33		
20	QPSK	50	56	21.41	21.36	21.39	22.8	0.0
20	QPSK	100	0	21.40	21.45	21.38		
20	16QAM	1	1	21.77	21.57	21.64		
20	64QAM	1	1	21.55	21.46	21.53		
20	256QAM	1	1	19.58	19.25	19.38	20.5	2.3
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.82	21.85	21.58	22.8	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.79	21.91	21.65	22.8	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.71	21.83	21.73	22.8	0.0

n66 (only SC815KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	21.30	21.18	21.15	22.0	0.0
20	PI/2 BPSK	1	53	21.40	21.25	21.25		
20	PI/2 BPSK	1	104	21.31	21.16	21.22		
20	PI/2 BPSK	50	0	21.18	21.13	21.10	22.0	0.0
20	PI/2 BPSK	50	28	21.20	21.07	21.08		
20	PI/2 BPSK	50	56	21.23	21.15	21.13		
20	PI/2 BPSK	100	0	21.20	21.04	21.12	22.0	0.0
20	QPSK	1	1	21.39	21.45	21.43	22.0	0.0
20	QPSK	1	53	21.33	21.09	21.14		
20	QPSK	1	104	21.27	21.24	21.22		
20	QPSK	50	0	21.23	21.14	21.17	22.0	0.0
20	QPSK	50	28	21.35	21.42	21.40		
20	QPSK	50	56	21.14	21.01	20.01		
20	QPSK	100	0	21.09	21.39	21.02	22.0	0.0
20	16QAM	1	1	21.20	20.54	20.61	22.0	0.0
20	64QAM	1	1	21.06	21.14	21.07	22.0	0.0
20	256QAM	1	1	19.10	18.97	19.03	20.5	1.5
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.42	21.25	21.36	22.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.35	21.35	21.33	22.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.32	21.37	21.32	22.0	0.0

Reduced Power - DSI 2 for Hotspot

n2 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	20.34	20.19	20.31	21.5	0.0
20	PI/2 BPSK	1	53	20.45	20.48	20.45		
20	PI/2 BPSK	1	104	20.23	20.07	20.23		
20	PI/2 BPSK	50	0	20.28	20.06	20.35		
20	PI/2 BPSK	50	28	20.33	20.03	20.22	21.5	0.0
20	PI/2 BPSK	50	56	20.25	20.16	20.15		
20	PI/2 BPSK	100	0	20.29	20.03	20.29	21.5	0.0
20	QPSK	1	1	20.68	20.75	20.60		
20	QPSK	1	53	20.55	20.38	20.35	21.5	0.0
20	QPSK	1	104	20.52	20.34	20.38		
20	QPSK	50	0	20.31	20.09	20.06		
20	QPSK	50	28	20.61	20.68	20.64	21.5	0.0
20	QPSK	50	56	20.27	20.17	20.23		
20	QPSK	100	0	22.55	20.67	22.49	21.5	0.0
20	16QAM	1	1	20.15	20.17	20.13	21.5	0.0
20	64QAM	1	1	20.31	20.28	20.22	21.5	0.0
20	256QAM	1	1	19.58	19.58	19.62	20.5	1.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	20.09	20.23	20.10	21.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	20.21	20.25	20.05	21.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	20.18	20.12	20.12	21.5	0.0

n66 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	22.57	22.45	22.19	23.5	0.0
20	PI/2 BPSK	1	53	22.63	22.48	22.75		
20	PI/2 BPSK	1	104	22.51	22.42	22.41		
20	PI/2 BPSK	50	0	22.48	22.34	22.37		
20	PI/2 BPSK	50	28	22.35	22.32	22.35	23.5	0.0
20	PI/2 BPSK	50	56	22.42	22.45	22.39		
20	PI/2 BPSK	100	0	22.37	22.36	22.35	23.5	0.0
20	QPSK	1	1	22.67	22.73	22.65		
20	QPSK	1	53	22.69	22.39	22.51	23.5	0.0
20	QPSK	1	104	22.52	22.54	22.53		
20	QPSK	50	0	22.57	22.45	22.42		
20	QPSK	50	28	22.65	22.68	22.62	23.5	0.0
20	QPSK	50	56	22.51	22.49	22.40		
20	QPSK	100	0	22.49	22.63	22.42	23.5	0.0
20	16QAM	1	1	22.59	22.25	22.09	23.5	0.0
20	64QAM	1	1	21.95	21.90	21.92	22.5	1.0
20	256QAM	1	1	19.47	19.30	19.46	20.5	3.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.32	22.25	22.34	23.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.25	22.31	22.19	23.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.23	22.34	22.15	23.5	0.0

Reduced Power - DSI 1 for Body worn / Handheld

n2 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	21.82	21.95	21.86	23.0	0.0
20	PI/2 BPSK	1	53	22.07	22.01	21.85		
20	PI/2 BPSK	1	104	21.82	21.86	21.95		
20	PI/2 BPSK	50	0	21.80	21.79	21.92	23.0	0.0
20	PI/2 BPSK	50	28	21.72	21.77	21.78		
20	PI/2 BPSK	50	56	21.77	21.81	21.93		
20	PI/2 BPSK	100	0	21.71	21.77	21.80	23.0	0.0
20	QPSK	1	1	22.31	22.32	22.30	23.0	0.0
20	QPSK	1	53	21.85	21.91	21.95		
20	QPSK	1	104	21.84	21.83	21.99		
20	QPSK	50	0	21.81	21.82	21.83	23.0	0.0
20	QPSK	50	28	22.25	22.31	22.23		
20	QPSK	50	56	21.85	21.80	22.01		
20	QPSK	100	0	21.74	22.27	21.83	23.0	0.0
20	16QAM	1	1	21.65	21.98	21.84	23.0	0.0
20	64QAM	1	1	21.52	21.82	21.62	22.5	0.5
20	256QAM	1	1	19.58	19.78	19.55	20.5	2.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.11	22.03	21.96	23.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.08	21.93	22.03	23.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.05	21.98	21.81	23.0	0.0

n66 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	23.53	23.48	23.49	24.5	0.0
20	PI/2 BPSK	1	53	23.54	23.34	23.52		
20	PI/2 BPSK	1	104	23.55	23.47	23.53		
20	PI/2 BPSK	50	0	23.42	23.41	23.41	24.5	0.0
20	PI/2 BPSK	50	28	23.39	23.37	23.39	24.5	
20	PI/2 BPSK	50	56	23.43	23.44	23.39	24.5	
20	PI/2 BPSK	100	0	23.48	23.34	23.41	24.5	0.0
20	QPSK	1	1	23.65	23.72	23.67	24.5	0.0
20	QPSK	1	53	23.64	23.64	23.70		
20	QPSK	1	104	23.57	23.56	23.62		
20	QPSK	50	0	23.43	23.44	23.46	24.5	0.0
20	QPSK	50	28	23.67	23.68	23.61	24.5	
20	QPSK	50	56	23.43	23.49	23.47	24.5	
20	QPSK	100	0	23.18	23.25	23.16	24.0	0.5
20	16QAM	1	1	23.56	23.28	23.29	24.0	0.5
20	64QAM	1	1	21.86	21.86	21.93	22.5	2.0
20	256QAM	1	1	19.39	19.29	19.52	20.5	4.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.16	23.42	23.15	24.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.16	23.25	23.21	24.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.29	23.32	23.23	24.5	0.0

2.4GHz WLAN	Ant 1+2 Full Power / Simultaneous					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	20.82	21.00	100.00
		6	2437	20.79	21.00	
		11	2462	20.24	21.00	
	802.11g 6Mbps	1	2412	19.91	20.50	98.62
		6	2437	20.16	20.50	
		11	2462	19.82	20.50	
	802.11n-HT20 MCS0	1	2412	19.35	20.50	98.52
		6	2437	19.28	20.50	
		11	2462	19.25	20.50	
	802.11n-HT40 MCS0	3	2422	18.20	19.50	94.93
		6	2437	19.47	20.50	
		9	2452	19.33	20.50	

5GHz WLAN	Ant 1+2 Full Power					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	19.08	20.50	98.55
		40	5200	19.31	20.50	
		44	5220	19.40	20.50	
		48	5240	19.19	20.50	
	802.11n-HT20 MCS0	36	5180	19.28	20.50	98.16
		40	5200	19.29	20.50	
		44	5220	19.27	20.50	
		48	5240	19.21	20.50	
	802.11n-HT40 MCS0	38	5190	14.23	15.50	96.32
		46	5230	19.16	20.00	
	802.11ac-VHT20 MCS0	36	5180	16.96	20.50	98.16
		40	5200	18.71	20.50	
		44	5220	19.30	20.50	
		48	5240	18.69	20.50	
	802.11ac-VHT40 MCS0	38	5190	14.29	15.50	96.48
		46	5230	19.36	20.00	
	802.11ac-VHT80 MCS0	42	5210	13.66	14.50	92.49

5GHz WLAN	Ant 1+2 Full Power					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	19.14	20.50	98.55
		56	5280	19.63	20.50	
		60	5300	19.50	20.50	
		64	5320	19.37	20.50	
	802.11n-HT20 MCS0	52	5260	18.93	20.50	98.16
		56	5280	16.99	20.50	
		60	5300	18.94	20.50	
		64	5320	18.92	20.50	
	802.11n-HT40 MCS0	54	5270	19.06	20.00	96.32
		62	5310	18.50	19.50	
	802.11ac-VHT20 MCS0	52	5260	19.30	20.50	98.16
		56	5280	18.88	20.50	
		60	5300	19.04	20.50	
		64	5320	19.04	20.50	
	802.11ac-VHT40 MCS0	54	5270	19.19	20.00	96.48
		62	5310	18.65	19.50	
	802.11ac-VHT80 MCS0	58	5290	17.16	18.50	92.49

5GHz WLAN	Ant 1+2 Full Power					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	18.65	20.00	98.55
		116	5580	18.09	20.00	
		124	5620	18.41	20.00	
		132	5660	19.12	20.00	
		140	5700	18.87	20.00	
		144	5720	18.58	20.00	
	802.11n-HT20 MCS0	100	5500	19.06	20.00	98.16
		116	5580	19.23	20.00	
		124	5620	19.11	20.00	
		132	5660	18.90	20.00	
		140	5700	18.92	20.00	
		144	5720	18.66	20.00	
	802.11n-HT40 MCS0	102	5510	19.02	19.50	96.32
		110	5550	19.36	19.50	
		126	5630	19.03	19.50	
		134	5670	18.99	19.50	
		142	5710	18.67	19.50	
		144	5720	18.30	19.50	
	802.11ac-VHT20 MCS0	100	5500	19.14	19.50	98.16
		116	5580	18.52	19.50	
		124	5620	18.70	19.50	
		132	5660	18.74	19.50	
		140	5700	18.31	19.50	
		144	5720	18.30	19.50	
	802.11ac-VHT40 MCS0	102	5510	19.17	19.50	96.48
		110	5550	19.29	19.50	
		126	5630	19.06	19.50	
		134	5670	18.95	19.50	
	802.11ac-VHT80 MCS0	106	5530	15.92	17.00	92.49
		122	5610	18.03	19.50	
		138	5690	17.68	19.00	
		142	5710	18.59	19.50	

5GHz WLAN	Ant 1+2 Simultaneous-Body					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	15.70	16.00	98.55
		40	5200	15.63	16.00	
		44	5220	15.72	16.00	
		48	5240	15.52	16.00	
	802.11n-HT20 MCS0	36	5180	Not Required	16.00	98.16
		40	5200		16.00	
		44	5220		16.00	
		48	5240		16.00	
	802.11n-HT40 MCS0	38	5190		15.50	96.32
		46	5230		15.50	
	802.11ac-VHT20 MCS0	36	5180		16.00	98.16
		40	5200		16.00	
		44	5220		16.00	
		48	5240		16.00	
	802.11ac-VHT40 MCS0	38	5190		15.50	96.48
		46	5230		15.50	
	802.11ac-VHT80 MCS0	42	5210		14.50	92.49

5GHz WLAN	Ant 1+2 Simultaneous-Body					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	14.32	16.00	98.55
		56	5280	14.34	16.00	
		60	5300	14.25	16.00	
		64	5320	14.29	16.00	
	802.11n-HT20 MCS0	52	5260	Not Required	16.00	98.16
		56	5280		16.00	
		60	5300		16.00	
		64	5320		16.00	
	802.11n-HT40 MCS0	54	5270		15.50	96.32
		62	5310		15.50	
	802.11ac-VHT20 MCS0	52	5260		16.00	98.16
		56	5280		16.00	
		60	5300		16.00	
		64	5320		16.00	
	802.11ac-VHT40 MCS0	54	5270		15.50	96.48
		62	5310		15.50	
	802.11ac-VHT80 MCS0	58	5290		14.50	92.49

5GHz WLAN	Ant 1+2 Simultaneous-Body					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	13.45	15.00	98.55
		116	5580	13.37	15.00	
		124	5620	13.41	15.00	
		132	5660	13.53	15.00	
		140	5700	13.39	15.00	
		144	5720	13.41	15.00	
	802.11n-HT20 MCS0	100	5500	Not Required	15.00	98.16
		116	5580		15.00	
		124	5620		15.00	
		132	5660		15.00	
		140	5700		15.00	
		144	5720		15.00	
	802.11n-HT40 MCS0	102	5510		14.50	96.32
		110	5550		14.50	
		126	5630		14.50	
		134	5670		14.50	
		142	5710		14.50	
		144	5720		15.00	
	802.11ac-VHT20 MCS0	100	5500		15.00	98.16
		116	5580		15.00	
		124	5620		15.00	
		132	5660		15.00	
		140	5700		15.00	
		144	5720		15.00	
	802.11ac-VHT40 MCS0	102	5510		14.50	96.48
		110	5550		14.50	
		126	5630		14.50	
		134	5670		14.50	
	802.11ac-VHT80 MCS0	106	5530		14.50	92.49
		122	5610		14.50	
		138	5690		14.50	
		142	5710		14.50	

5GHz WLAN	Ant 1+2 Full Power					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	18.97	20.00	98.55
		157	5785	18.94	20.00	
		165	5825	19.05	20.00	
	802.11n-HT20 MCS0	149	5745	19.37	20.00	98.16
		157	5785	19.18	20.00	
		165	5825	19.09	20.00	
	802.11n-HT40 MCS0	151	5755	19.08	19.50	96.32
		159	5795	18.77	19.50	
	802.11ac-VHT20 MCS0	149	5745	19.00	20.00	98.16
		157	5785	18.94	20.00	
		165	5825	18.42	20.00	
	802.11ac-VHT40 MCS0	151	5755	18.80	19.50	96.48
		159	5795	18.64	19.50	
	802.11ac-VHT80 MCS0	155	5775	17.66	19.00	92.49

BT 2.0

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	12.09	9.43	9.03
	CH 39	2441	12.84	10.12	10.27
	CH 78	2480	12.50	10.43	10.16
Tune-up Limit			13		

BT 4.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	7.83
	CH 19	2440	8.01
	CH 39	2480	7.35
Tune-up Limit			9

BT 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.71
	CH 19	2440	7.97
	CH 39	2480	7.37
Tune-up Limit			9.00

5GHz WLAN	Ant 1+2 Simultaneous-Body					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	14.42	15.50	98.55
		157	5785	14.56	15.50	
		165	5825	14.61	15.50	
	802.11n-HT20 MCS0	149	5745	Not Required	15.50	98.16
		157	5785		15.50	
		165	5825		15.50	
	802.11n-HT40 MCS0	151	5755		15.00	96.32
		159	5795		15.00	
	802.11ac-VHT20 MCS0	149	5745		15.50	98.16
		157	5785		15.50	
		165	5825		15.50	
	802.11ac-VHT40 MCS0	151	5755		15.00	96.48
		159	5795		15.00	
	802.11ac-VHT80 MCS0	155	5775		15.00	92.49