

FCC Appendix RF Test Data for LTE Band 7

FCC ID : 2BVMZ-Q153

Company : Shenzhen Yingtuo Intelligent Technology Co., Ltd

EUT : 4G kids smart watch

Model Number : Q153

Report No. : CTA26040900606

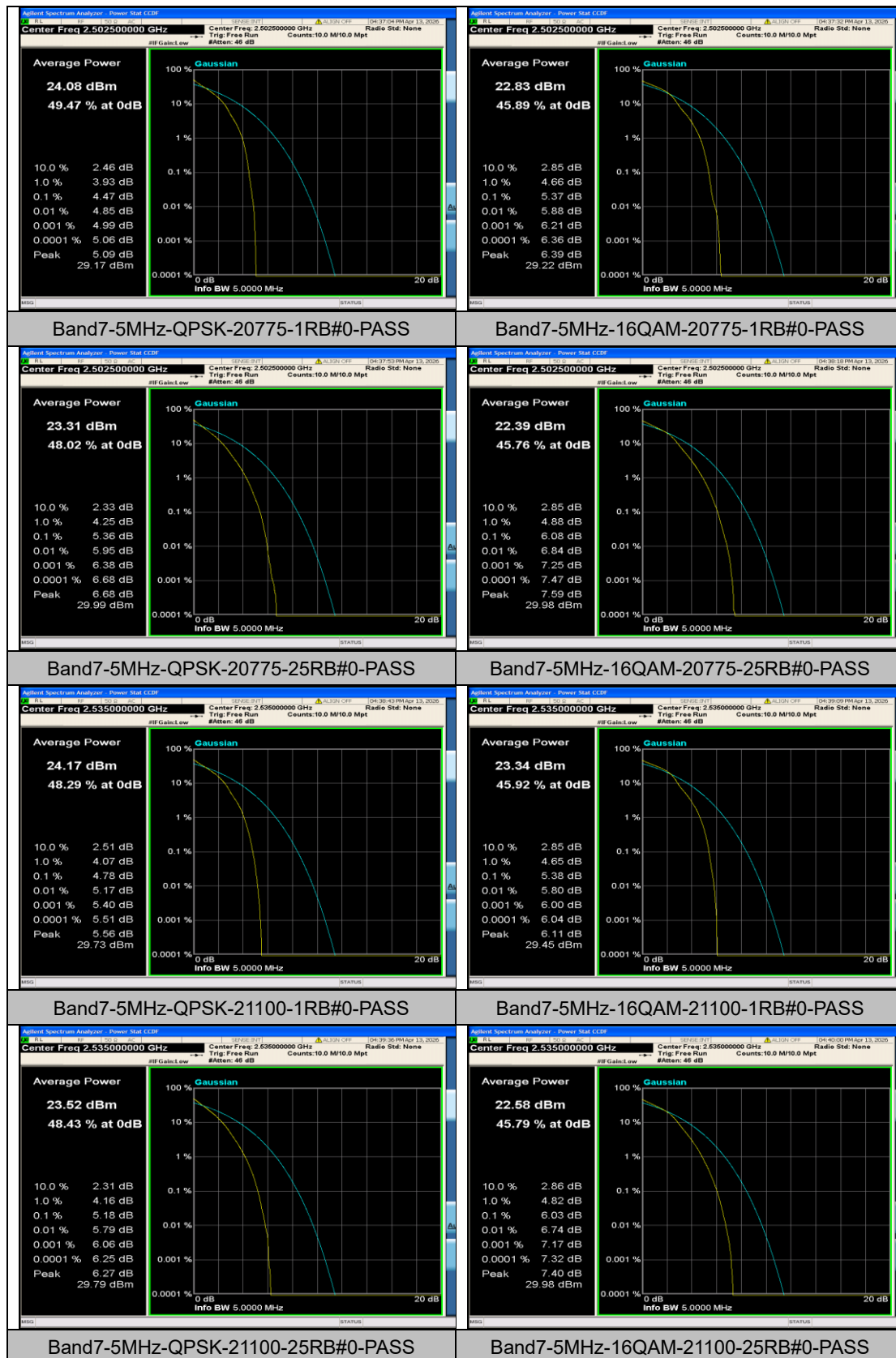
Reviewed By : Eric Wang

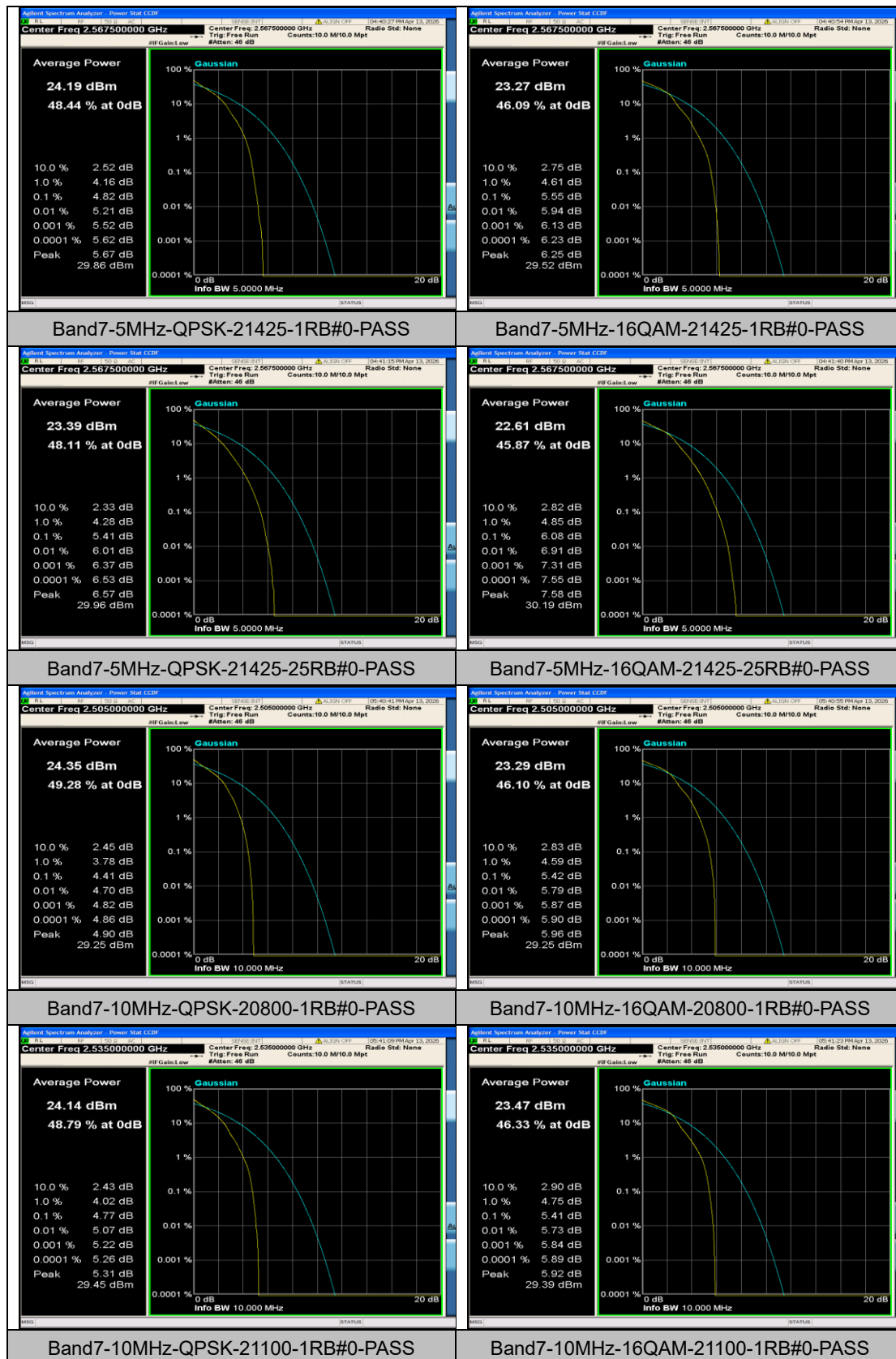
Appendix A: Peak-to-Average Ratio(CCDF)

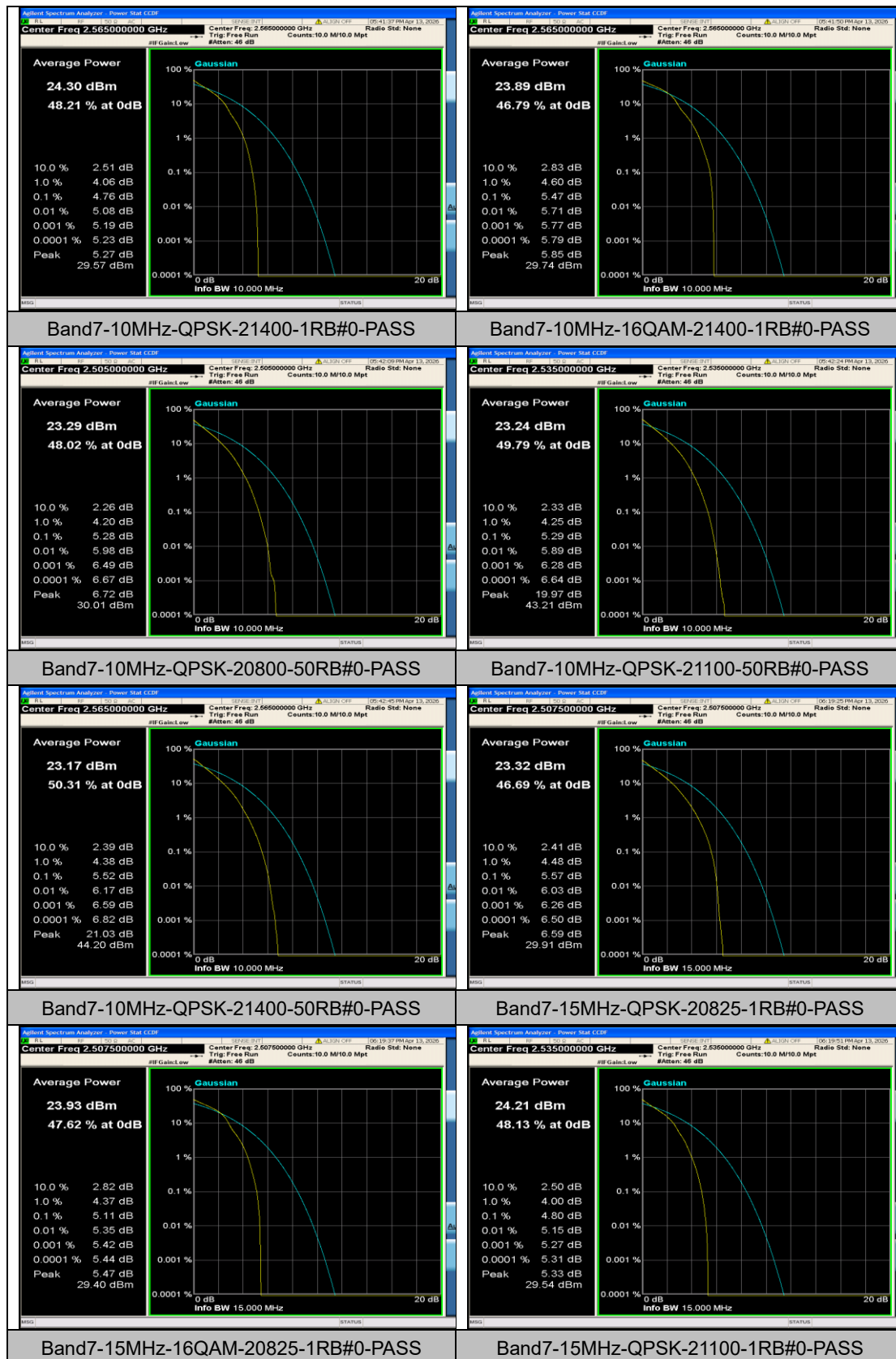
Test Result

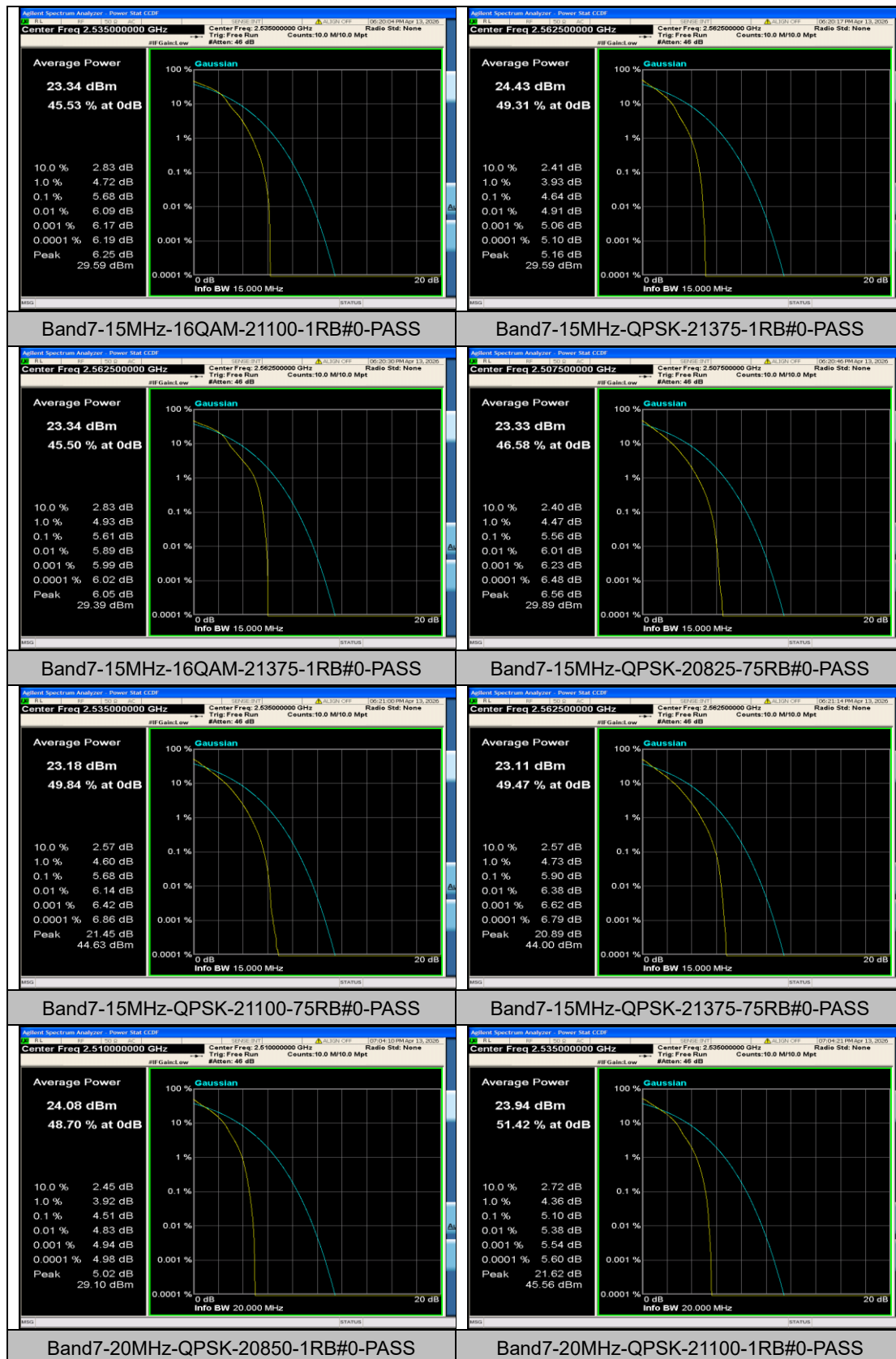
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.47	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.37	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.36	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.08	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	4.78	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.38	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.18	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.03	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.82	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.55	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.41	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.08	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.41	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.42	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.77	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.41	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.76	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.47	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.28	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.29	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.52	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	5.57	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.11	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.80	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.68	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.64	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	5.61	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.56	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.68	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.90	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.51	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	5.10	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.76	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.23	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.31	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.63	13	PASS

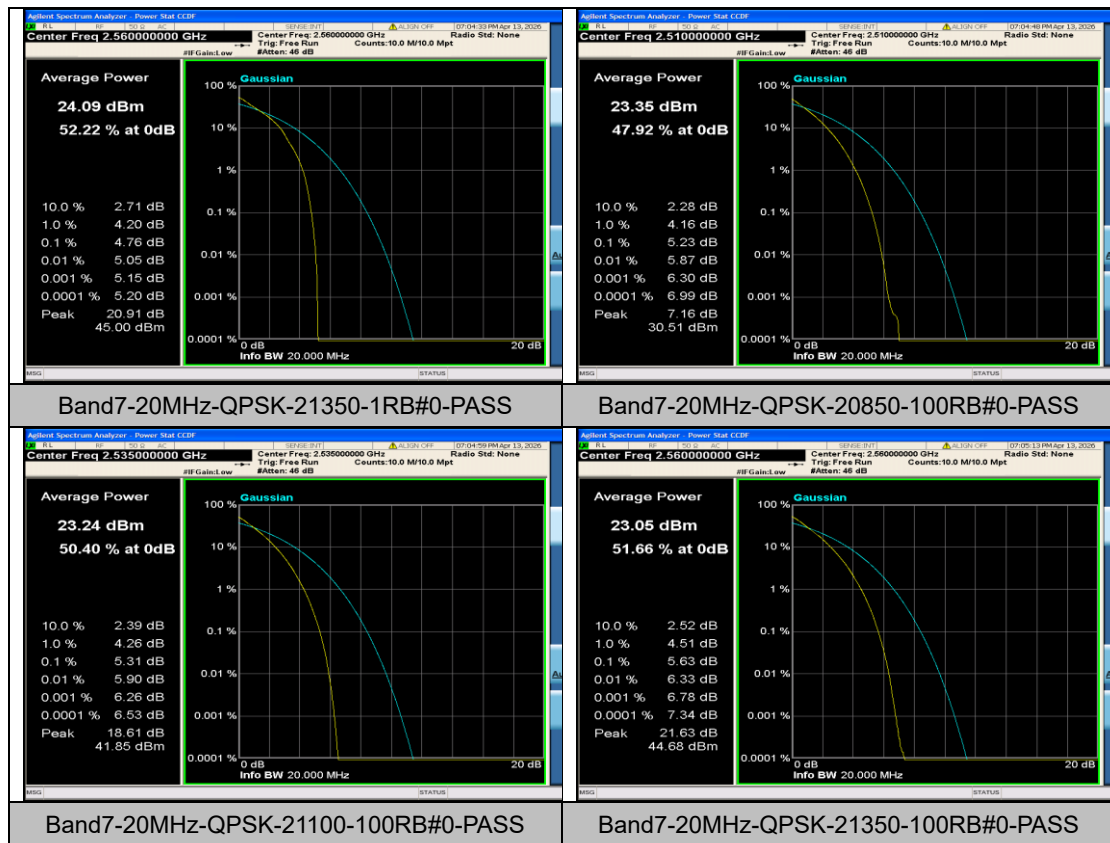
Test Graphs









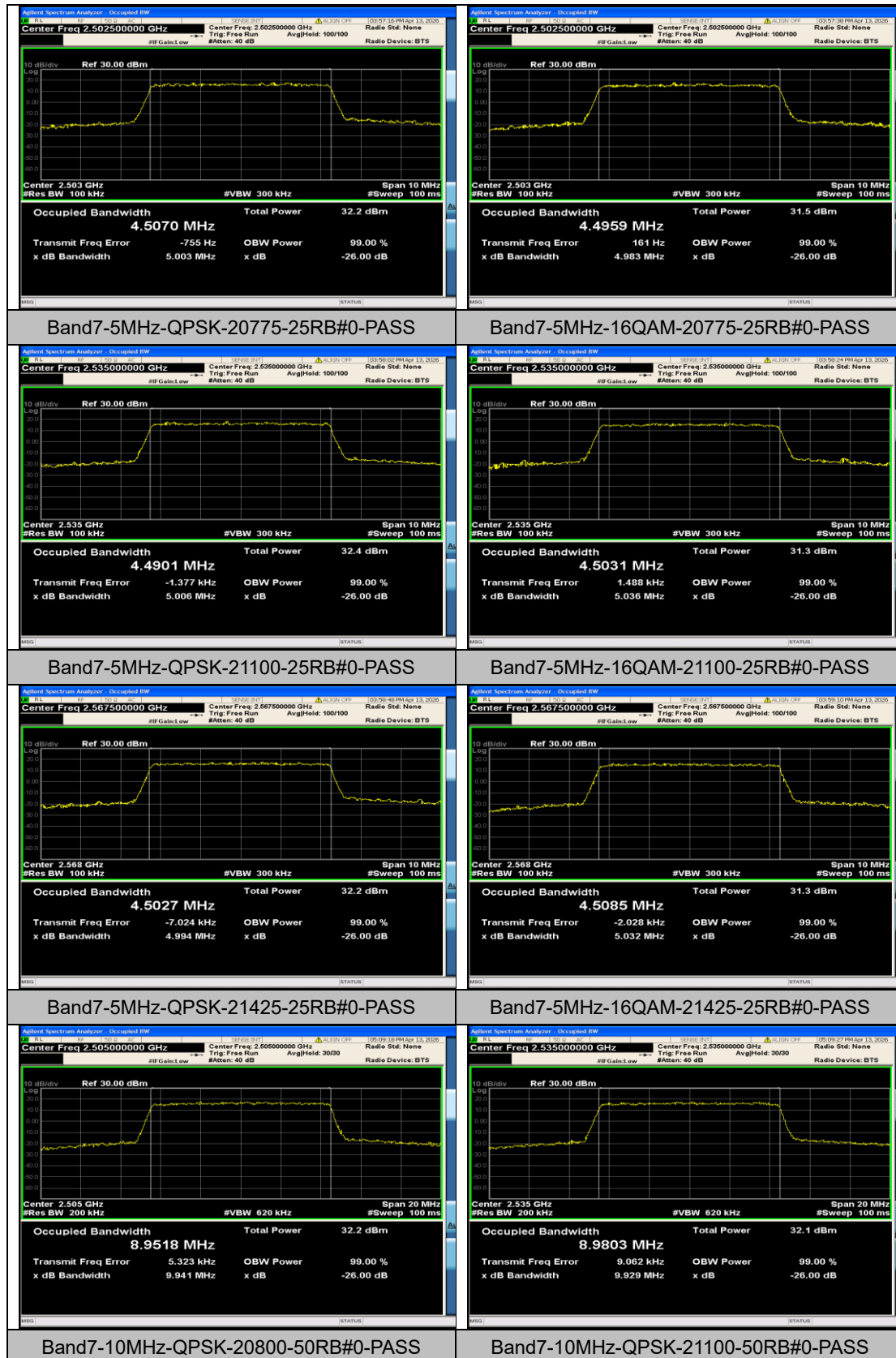


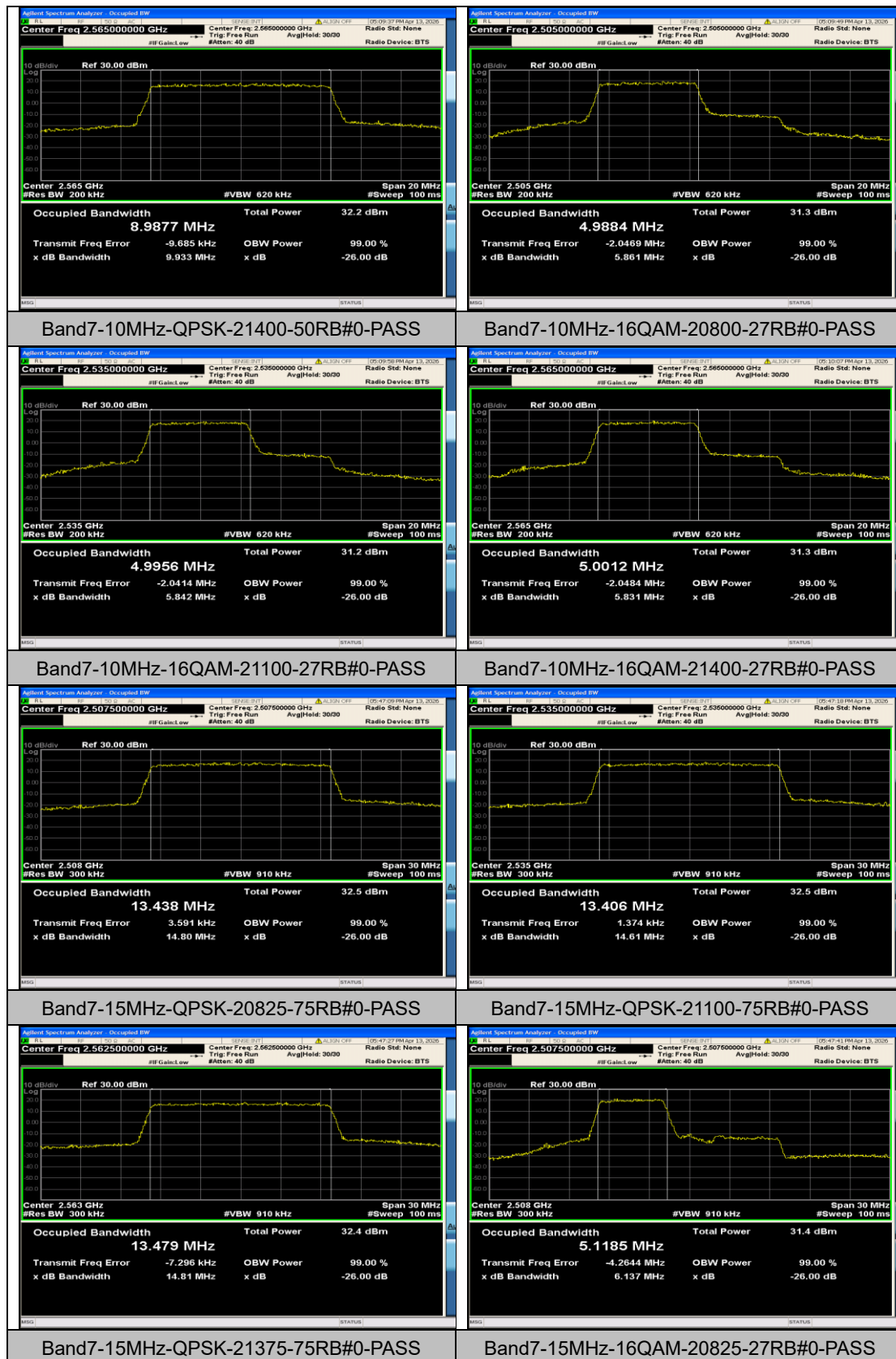
Appendix B: 26dB Bandwidth and Occupied Bandwidth

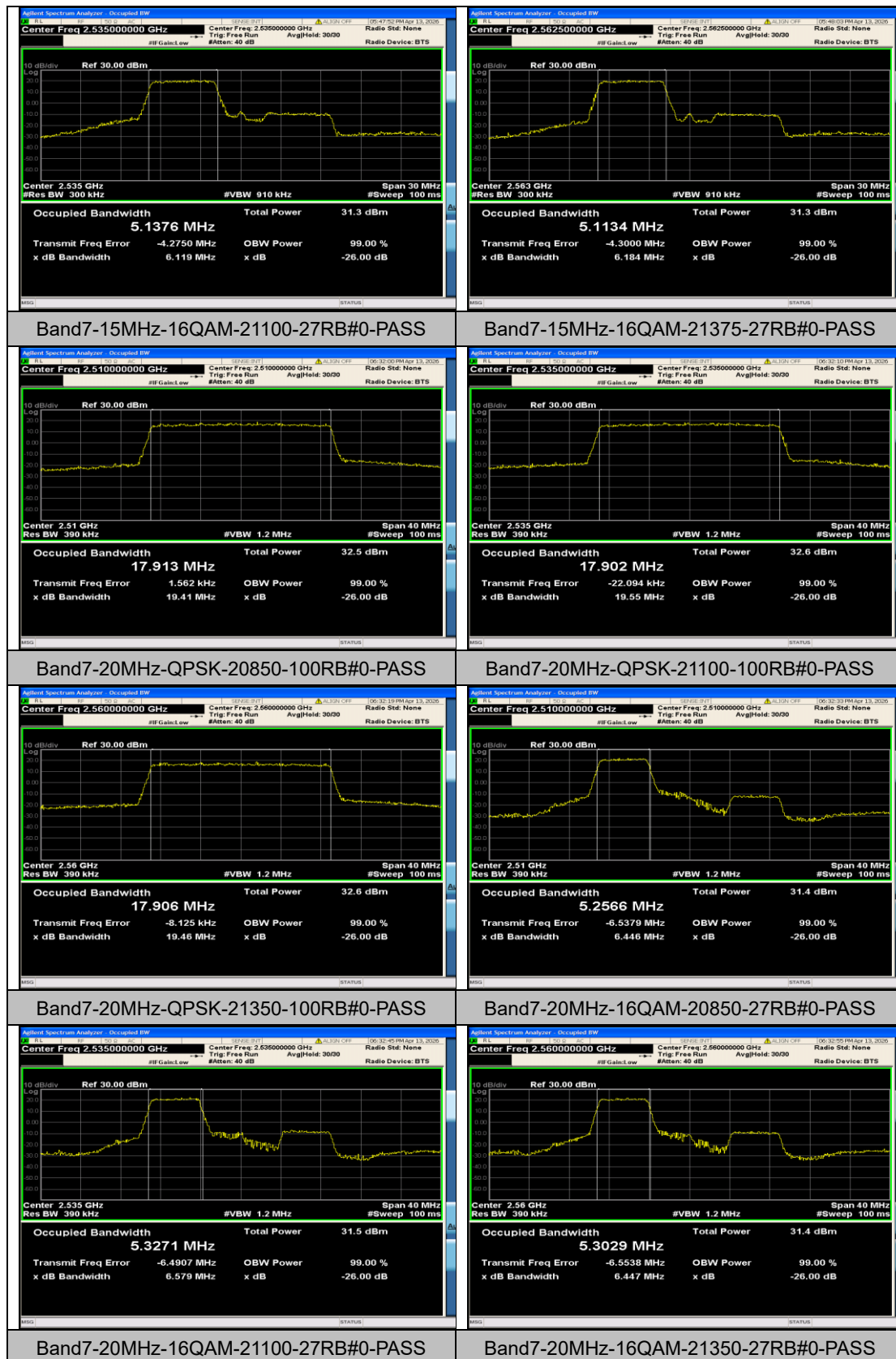
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5070	5.003	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4959	4.983	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4901	5.006	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5031	5.036	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5027	4.994	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5085	5.032	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9518	9.941	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9803	9.929	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9877	9.933	PASS
Band7	10MHz	16QAM	20800	27RB#0	4.9884	5.861	PASS
Band7	10MHz	16QAM	21100	27RB#0	4.9956	5.842	PASS
Band7	10MHz	16QAM	21400	27RB#0	5.0012	5.831	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.438	14.80	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.406	14.61	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.479	14.81	PASS
Band7	15MHz	16QAM	20825	27RB#0	5.1185	6.137	PASS
Band7	15MHz	16QAM	21100	27RB#0	5.1376	6.119	PASS
Band7	15MHz	16QAM	21375	27RB#0	5.1134	6.184	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.913	19.41	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.902	19.55	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.906	19.46	PASS
Band7	20MHz	16QAM	20850	27RB#0	5.2566	6.446	PASS
Band7	20MHz	16QAM	21100	27RB#0	5.3271	6.579	PASS
Band7	20MHz	16QAM	21350	27RB#0	5.3029	6.447	PASS

Test Graphs







Appendix C: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-22.58	PASS
Band7	5MHz	16QAM	20775	1RB#0	-24.27	PASS
Band7	5MHz	QPSK	20775	1RB#24	-33.94	PASS
Band7	5MHz	16QAM	20775	1RB#24	-47.36	PASS
Band7	5MHz	QPSK	20775	25RB#0	-23.39	PASS
Band7	5MHz	16QAM	20775	25RB#0	-24.32	PASS
Band7	5MHz	QPSK	21425	1RB#0	-27.45	PASS
Band7	5MHz	16QAM	21425	1RB#0	-31.54	PASS
Band7	5MHz	QPSK	21425	1RB#24	-23.33	PASS
Band7	5MHz	16QAM	21425	1RB#24	-24.53	PASS
Band7	5MHz	QPSK	21425	25RB#0	-21.32	PASS
Band7	5MHz	16QAM	21425	25RB#0	-22.35	PASS
Band7	10MHz	QPSK	20800	1RB#0	-32.05	PASS
Band7	10MHz	16QAM	20800	1RB#0	-31.87	PASS
Band7	10MHz	QPSK	20800	1RB#49	-31.12	PASS
Band7	10MHz	16QAM	20800	1RB#49	-33.92	PASS
Band7	10MHz	QPSK	21400	1RB#0	-33.14	PASS
Band7	10MHz	16QAM	21400	1RB#0	-46.76	PASS
Band7	10MHz	QPSK	21400	1RB#49	-30.32	PASS
Band7	10MHz	16QAM	21400	1RB#49	-31.01	PASS
Band7	10MHz	QPSK	20800	50RB#0	-25.51	PASS
Band7	10MHz	QPSK	21400	50RB#0	-23.29	PASS
Band7	15MHz	QPSK	20825	1RB#0	-34.89	PASS
Band7	15MHz	16QAM	20825	1RB#0	-37.05	PASS
Band7	15MHz	QPSK	20825	1RB#74	-37.57	PASS
Band7	15MHz	16QAM	20825	1RB#74	-38.86	PASS
Band7	15MHz	QPSK	21375	1RB#0	-32.67	PASS
Band7	15MHz	16QAM	21375	1RB#0	-46.92	PASS
Band7	15MHz	QPSK	21375	1RB#74	-46.91	PASS
Band7	15MHz	16QAM	21375	1RB#74	-46.91	PASS
Band7	15MHz	QPSK	20825	75RB#0	-35.52	PASS
Band7	15MHz	QPSK	21375	75RB#0	-23.01	PASS
Band7	20MHz	QPSK	20850	1RB#0	-47.20	PASS
Band7	20MHz	16QAM	20850	1RB#0	-47.21	PASS
Band7	20MHz	QPSK	20850	1RB#99	-47.32	PASS
Band7	20MHz	16QAM	20850	1RB#99	-47.36	PASS

Band7	20MHz	QPSK	21350	1RB#0	-47.07	PASS
Band7	20MHz	16QAM	21350	1RB#0	-47.08	PASS
Band7	20MHz	QPSK	21350	1RB#99	-47.08	PASS
Band7	20MHz	16QAM	21350	1RB#99	-47.06	PASS
Band7	20MHz	QPSK	20850	100RB#0	-33.12	PASS
Band7	20MHz	QPSK	21350	100RB#0	-24.65	PASS

Test Graphs

