

FCC Appendix RF Test Data for LTE Band 4

FCC ID : 2BVLN-QS

Company : Wuhan Qinggou Intelligent Technology Co., Ltd.

EUT : Qingo AI Vending

Model Number : QS-779CREW(G)-US

Report No. : CTA26030400803

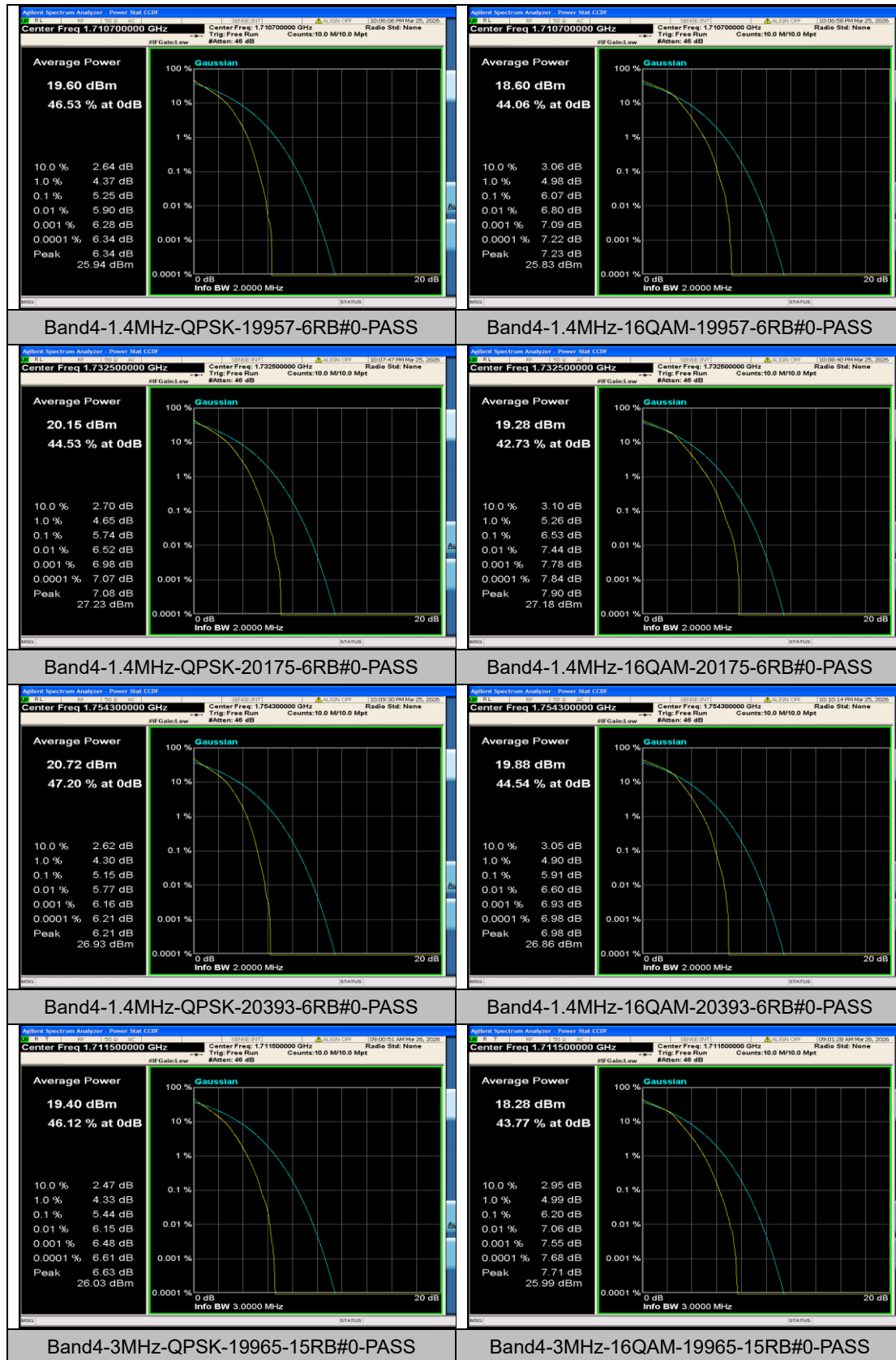
Reviewed By : Eric Wang

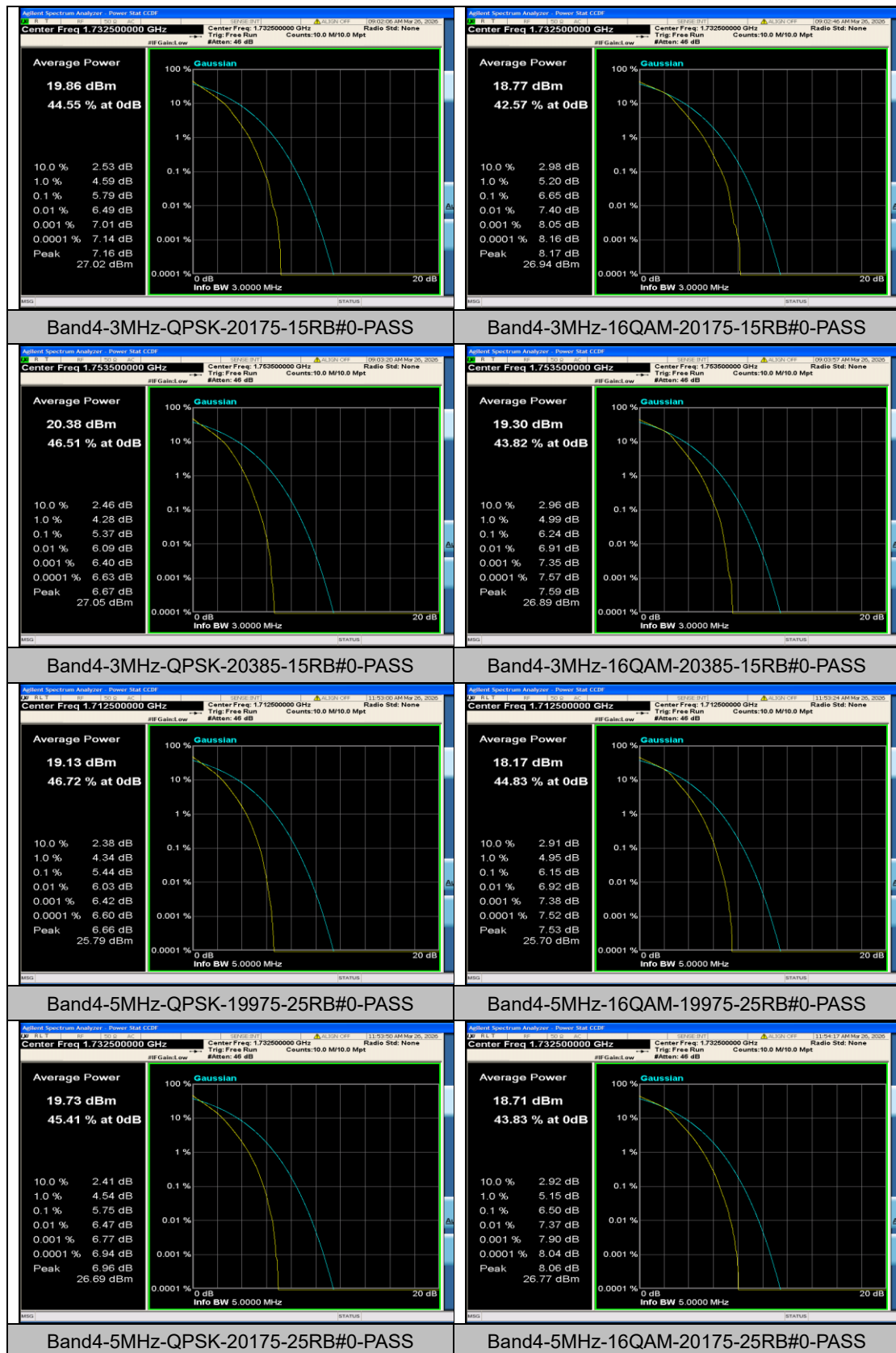
Appendix B: Peak-to-Average Ratio(CCDF)

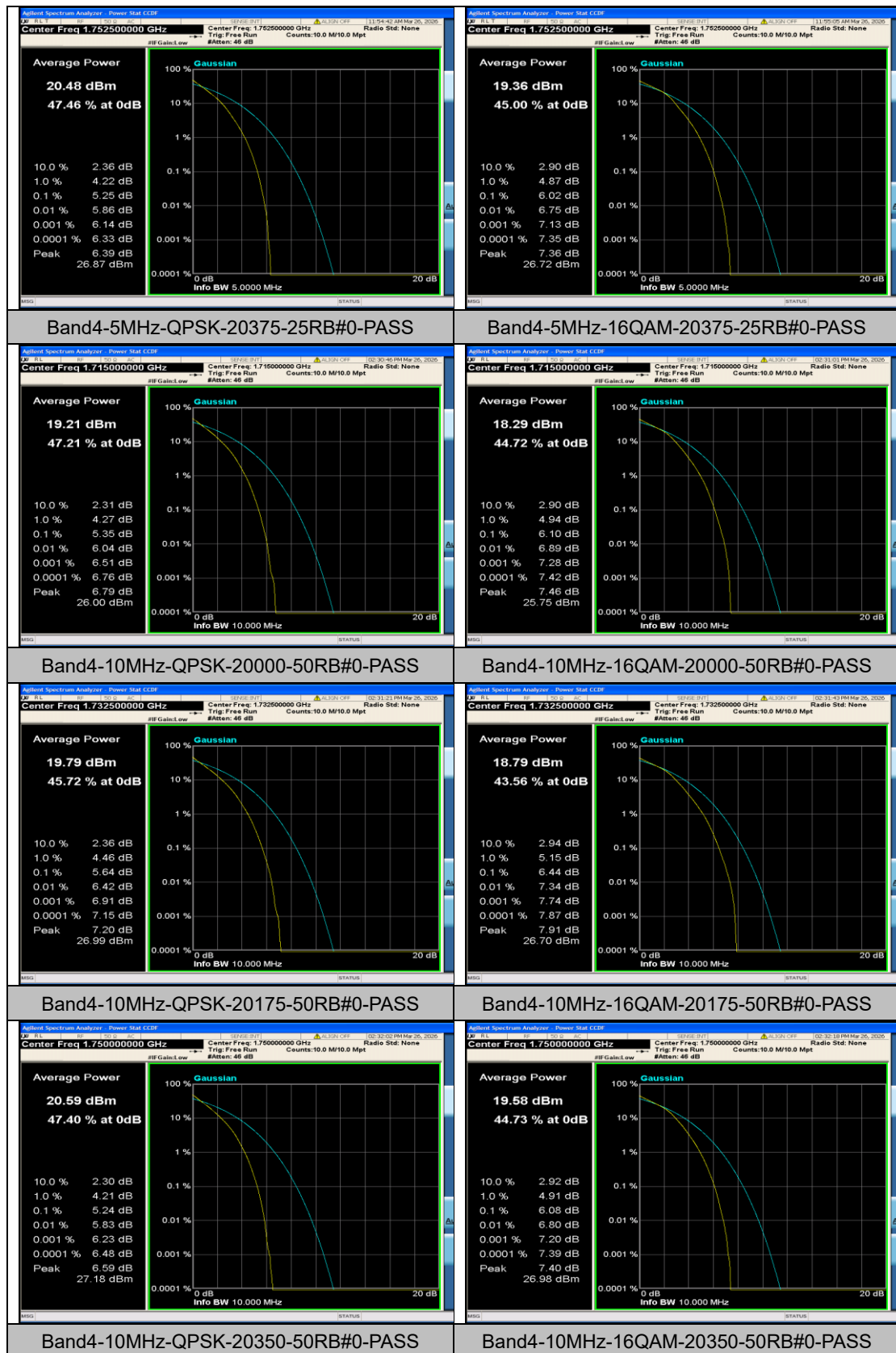
Test Result

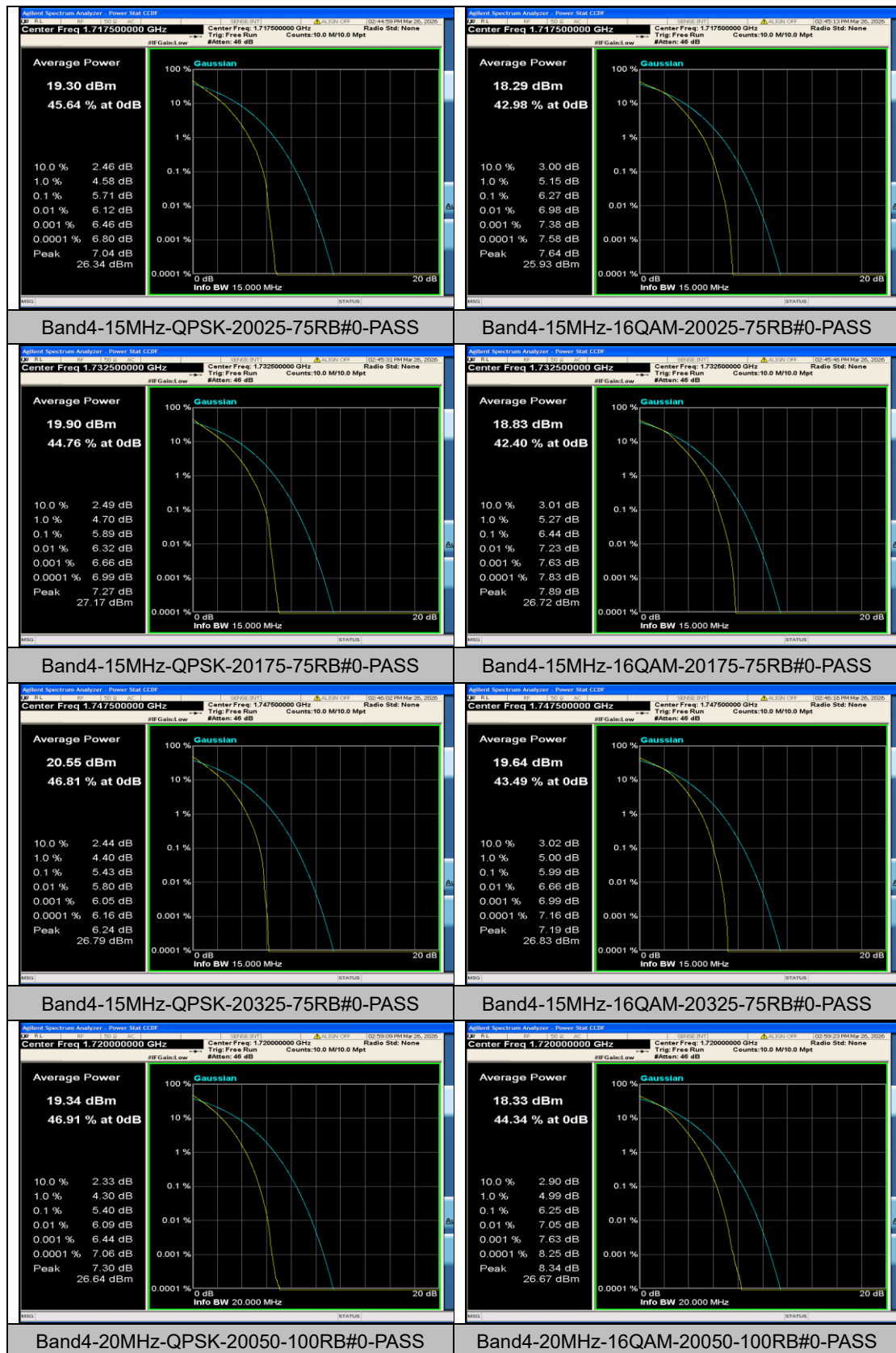
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	5.25	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.07	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.74	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.53	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.15	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.91	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.44	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.20	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.79	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.65	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.37	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.24	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.44	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.15	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.75	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.50	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.25	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.02	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.35	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.10	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.64	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.44	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.24	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.08	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.71	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.27	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.89	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.44	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.43	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.99	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.40	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.25	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.53	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.37	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.16	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.98	13	PASS

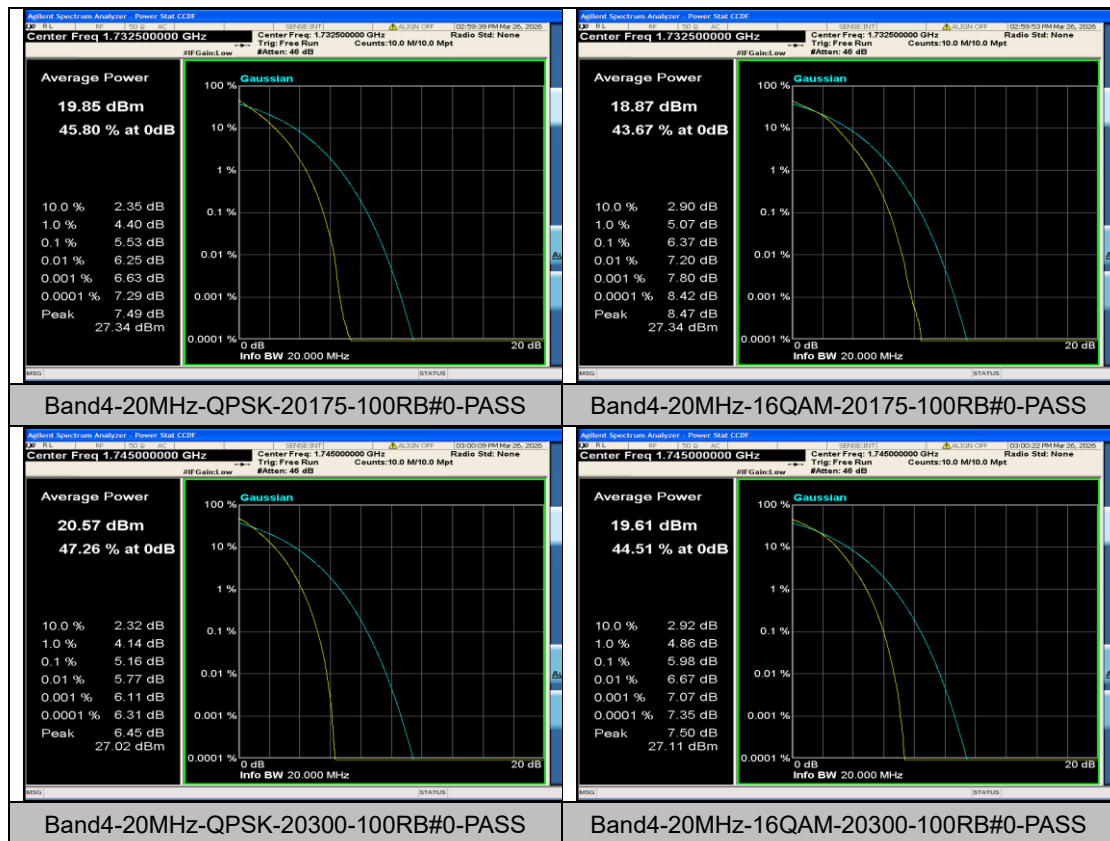
Test Graphs









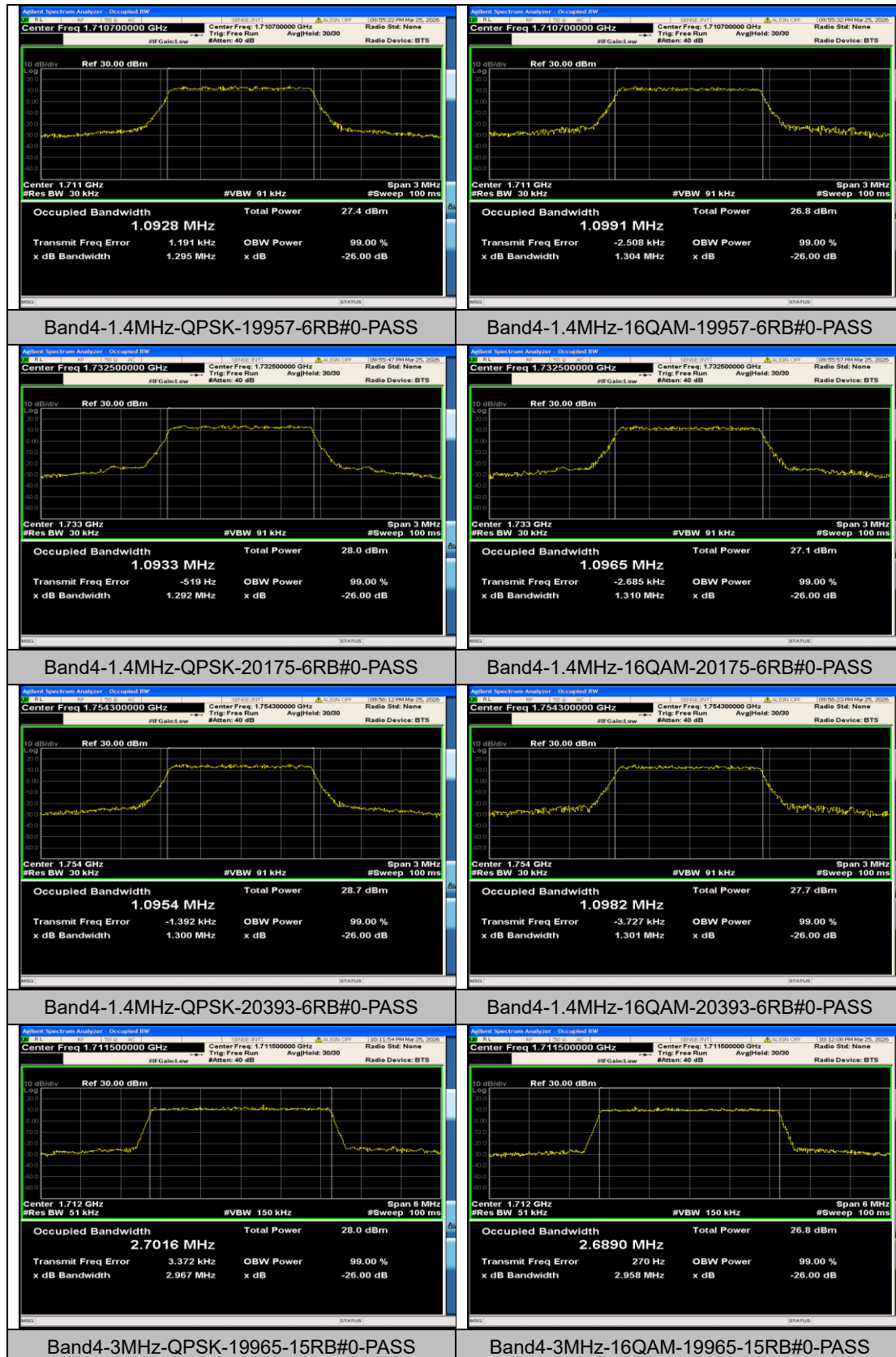


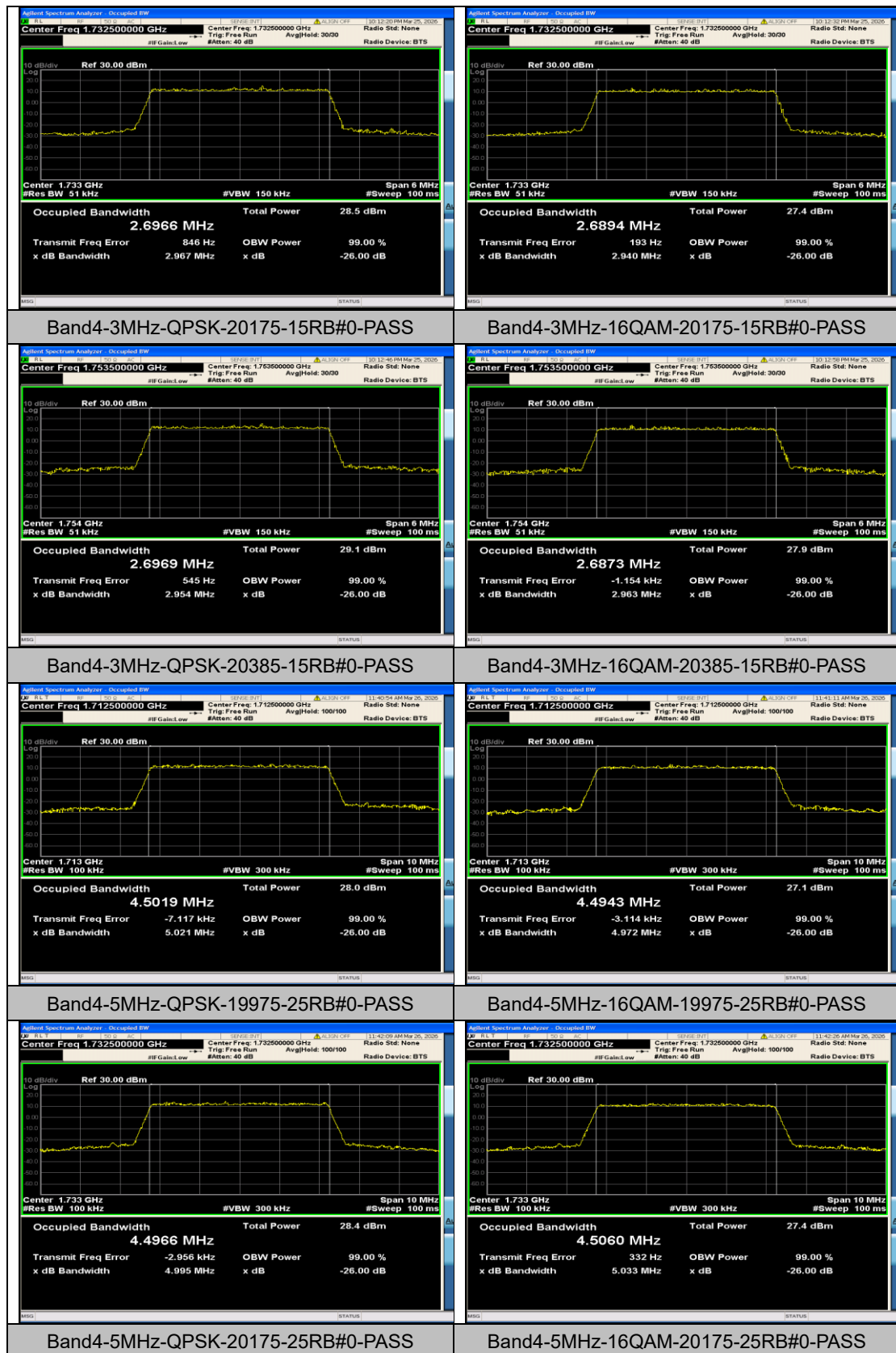
Appendix C: 26dB Bandwidth and Occupied Bandwidth

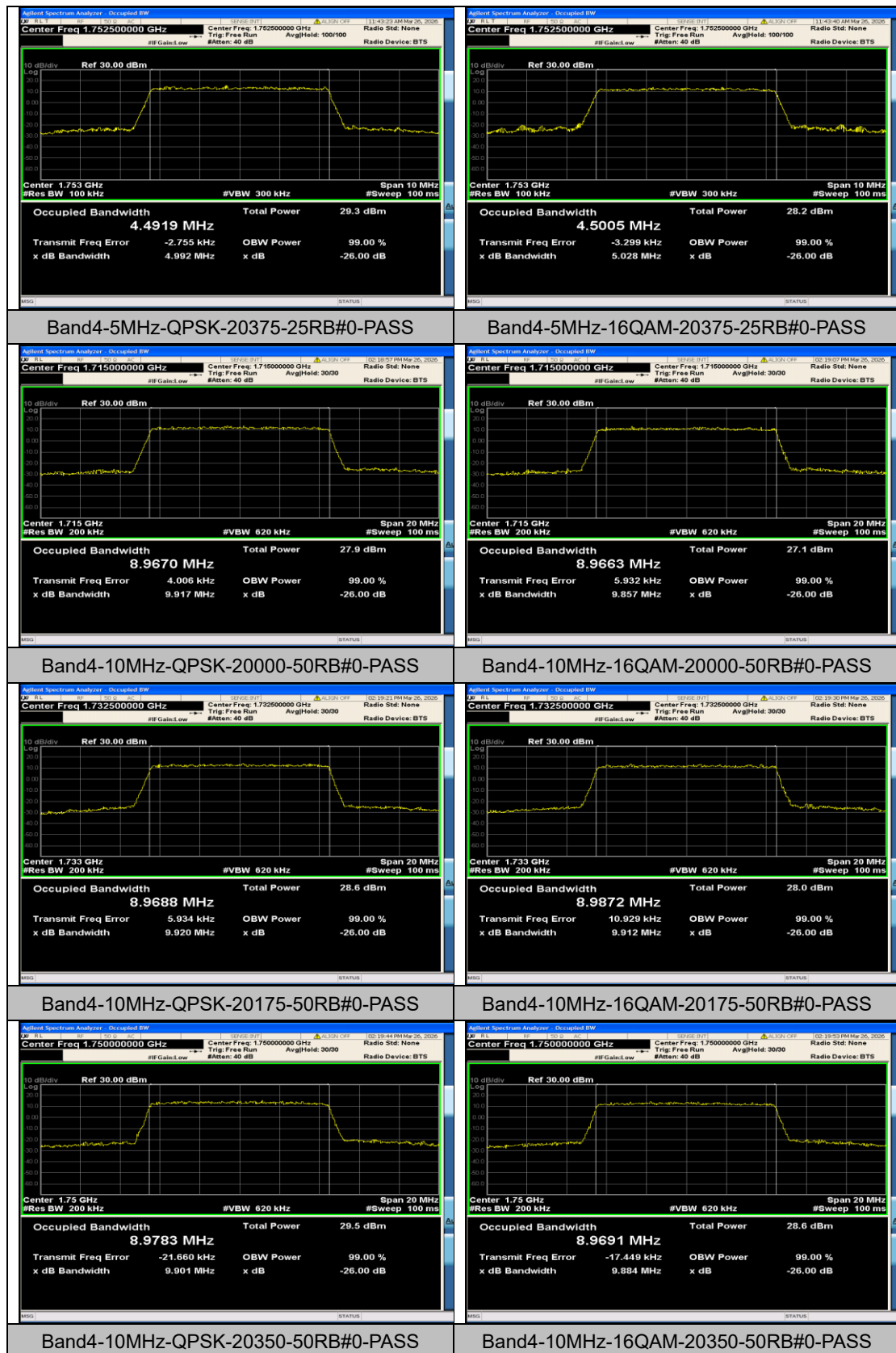
Test Result

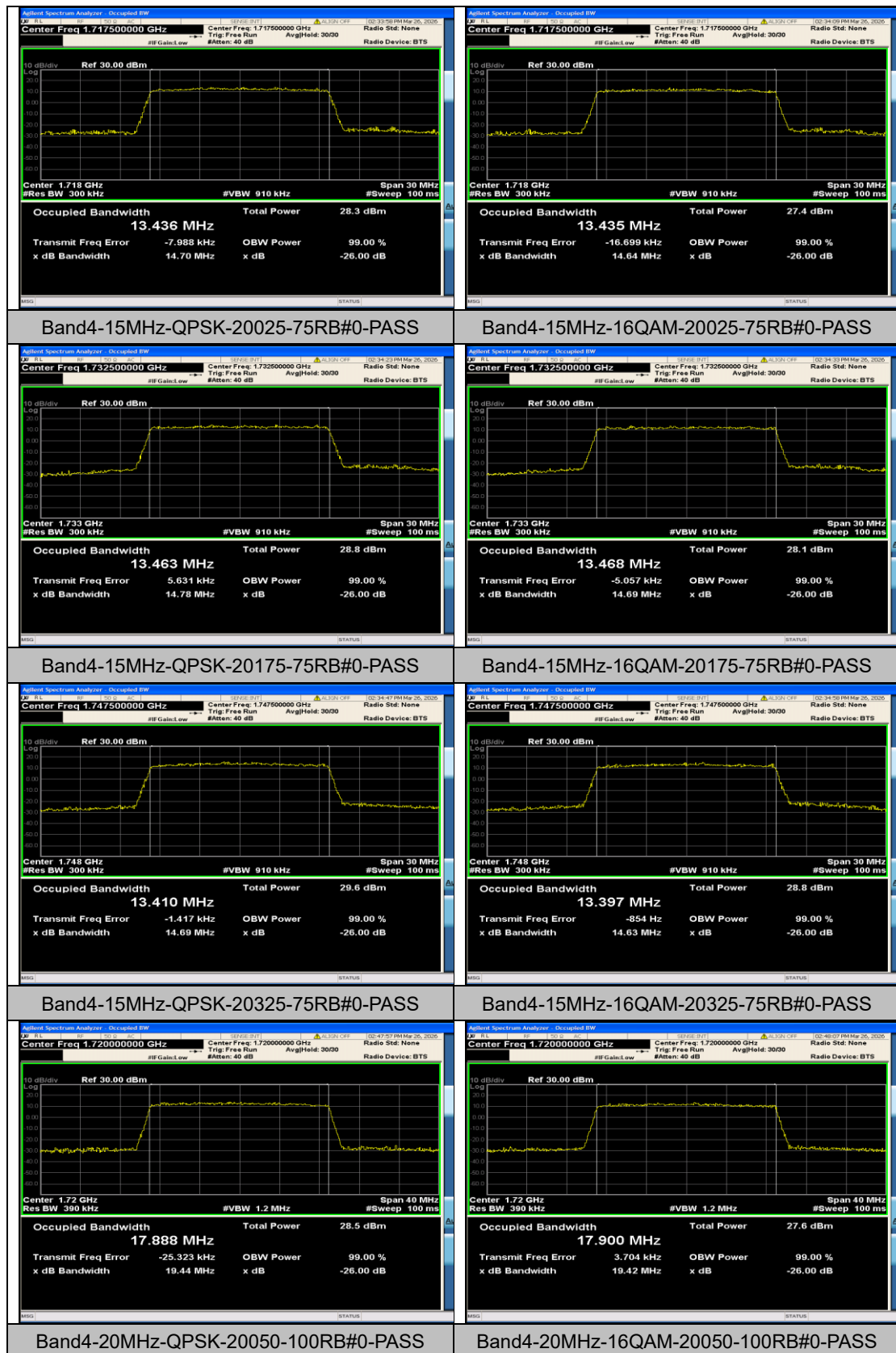
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0928	1.295	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0991	1.304	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0933	1.292	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0965	1.310	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0954	1.300	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0982	1.301	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7016	2.967	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6890	2.958	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6966	2.967	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6894	2.940	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6969	2.954	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6873	2.963	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5019	5.021	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4943	4.972	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4966	4.995	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5060	5.033	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4919	4.992	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5005	5.028	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9670	9.917	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9663	9.857	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9688	9.920	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9872	9.912	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9783	9.901	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9691	9.884	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.436	14.70	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.435	14.64	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.463	14.78	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.468	14.69	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.410	14.69	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.397	14.63	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.888	19.44	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.900	19.42	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.944	19.48	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.976	19.55	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.875	19.52	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.861	19.40	PASS

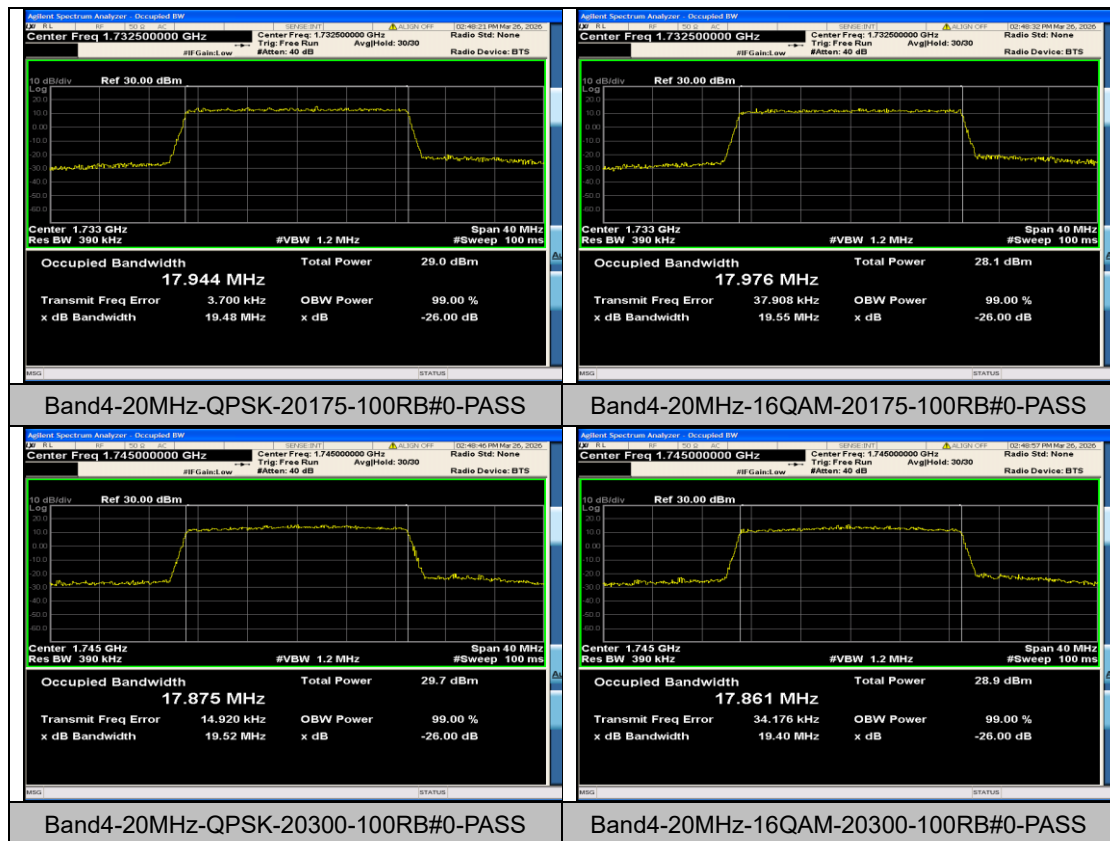
Test Graphs











Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-31.06	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-32.82	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-32.68	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-34.30	PASS
Band4	3MHz	QPSK	19965	15RB#0	-34.30	PASS
Band4	3MHz	16QAM	19965	15RB#0	-36.33	PASS
Band4	3MHz	QPSK	20385	15RB#0	-34.49	PASS
Band4	3MHz	16QAM	20385	15RB#0	-35.12	PASS
Band4	5MHz	QPSK	19975	25RB#0	-37.75	PASS
Band4	5MHz	16QAM	19975	25RB#0	-39.21	PASS
Band4	5MHz	QPSK	20375	25RB#0	-35.53	PASS
Band4	5MHz	16QAM	20375	25RB#0	-37.67	PASS
Band4	10MHz	QPSK	20000	50RB#0	-41.45	PASS
Band4	10MHz	16QAM	20000	50RB#0	-42.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	-36.80	PASS
Band4	10MHz	16QAM	20350	50RB#0	-38.66	PASS
Band4	15MHz	QPSK	20025	75RB#0	-42.89	PASS
Band4	15MHz	16QAM	20025	75RB#0	-43.44	PASS
Band4	15MHz	QPSK	20325	75RB#0	-37.99	PASS
Band4	15MHz	16QAM	20325	75RB#0	-40.37	PASS
Band4	20MHz	QPSK	20050	100RB#0	-42.31	PASS
Band4	20MHz	16QAM	20050	100RB#0	-42.03	PASS
Band4	20MHz	QPSK	20300	100RB#0	-38.48	PASS
Band4	20MHz	16QAM	20300	100RB#0	-40.29	PASS

Test Graphs

