

FCC LTE Band Test Data

FCC ID : 2BMCH-CS89

Company: : Alited Global Trading Co., Limited

EUT : Sound Box

Model Number : CS89

Reviewed By : Eric Wang

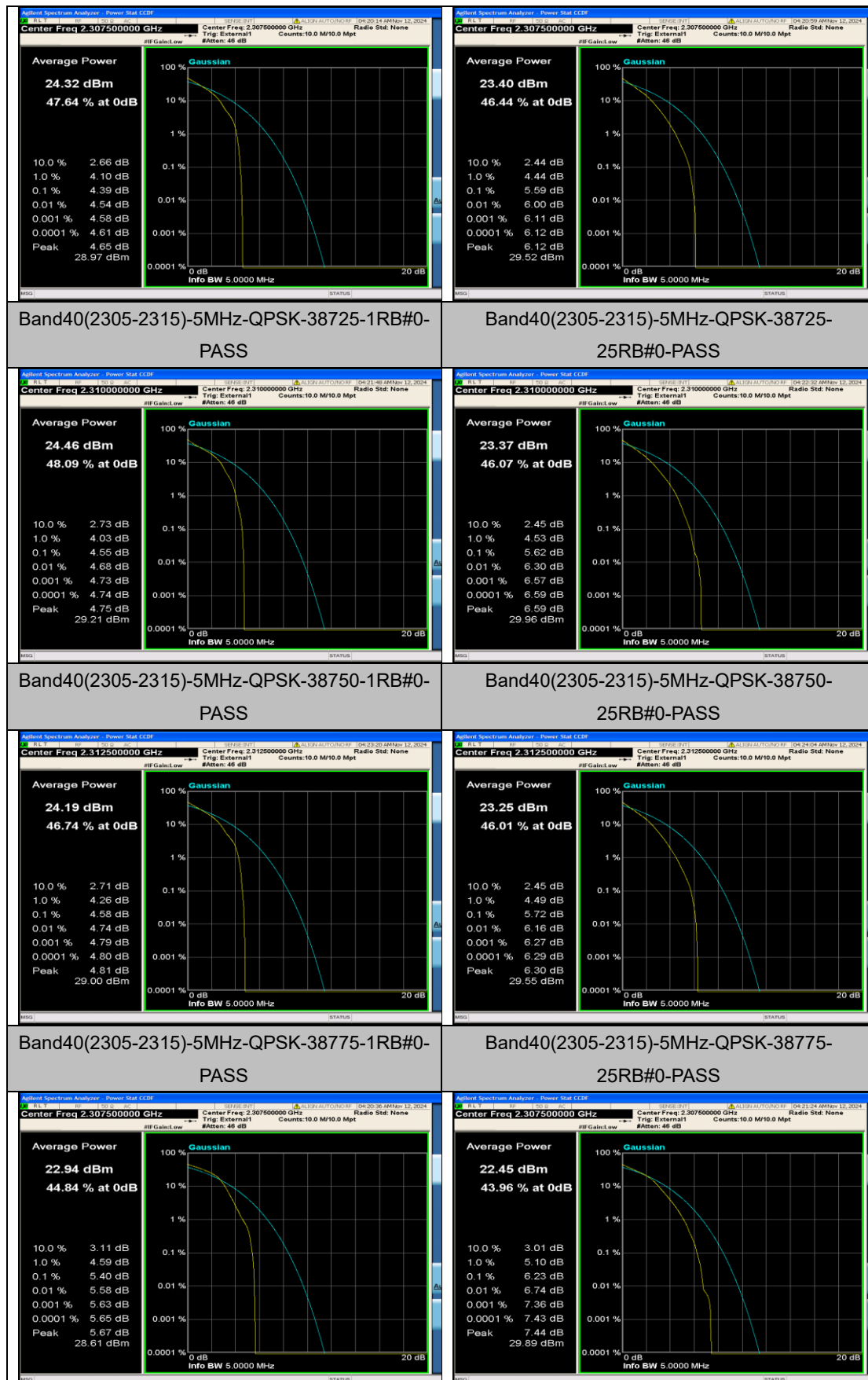
Appendix B: Peak-to-Average Ratio(CCDF)

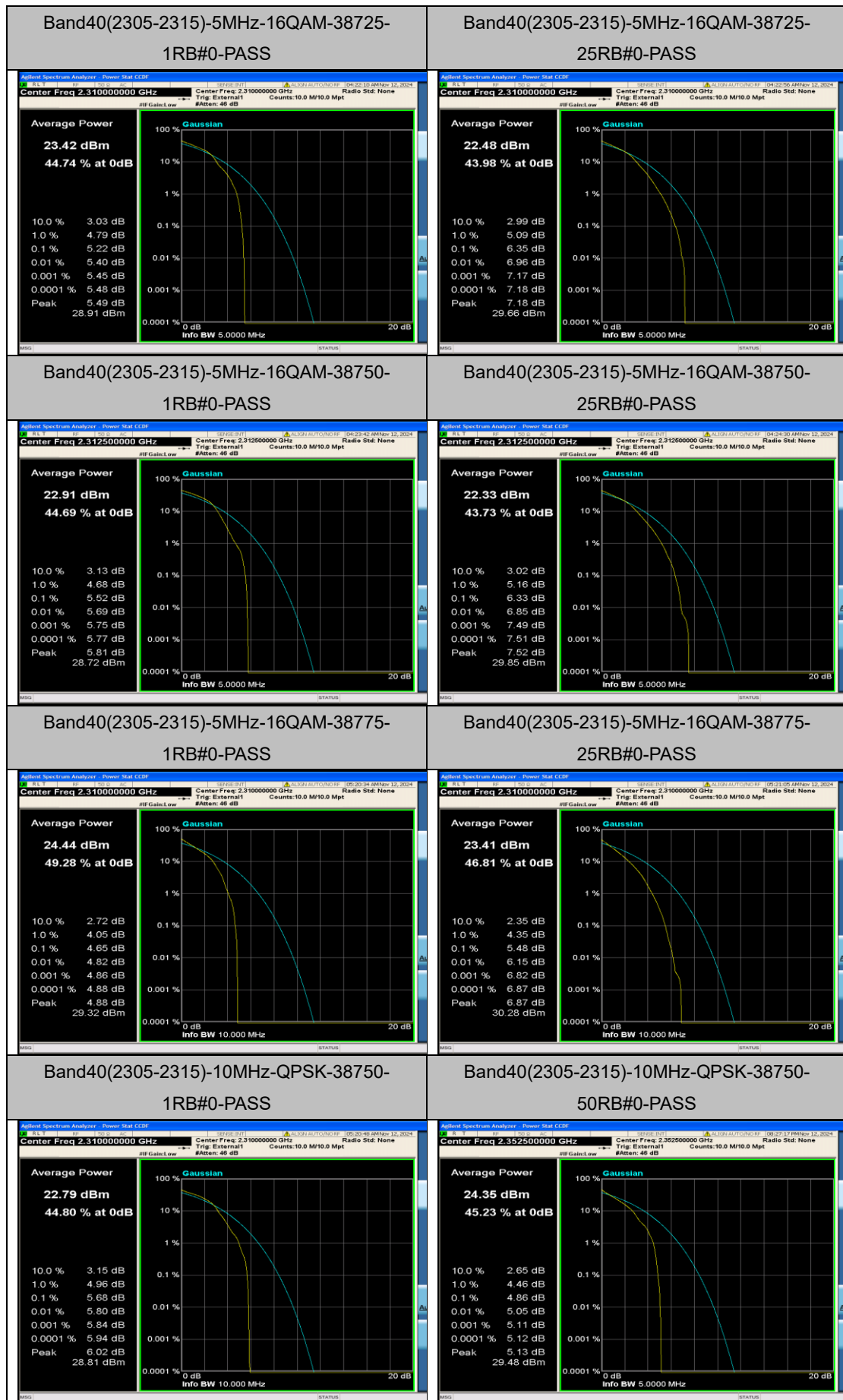
Test Result

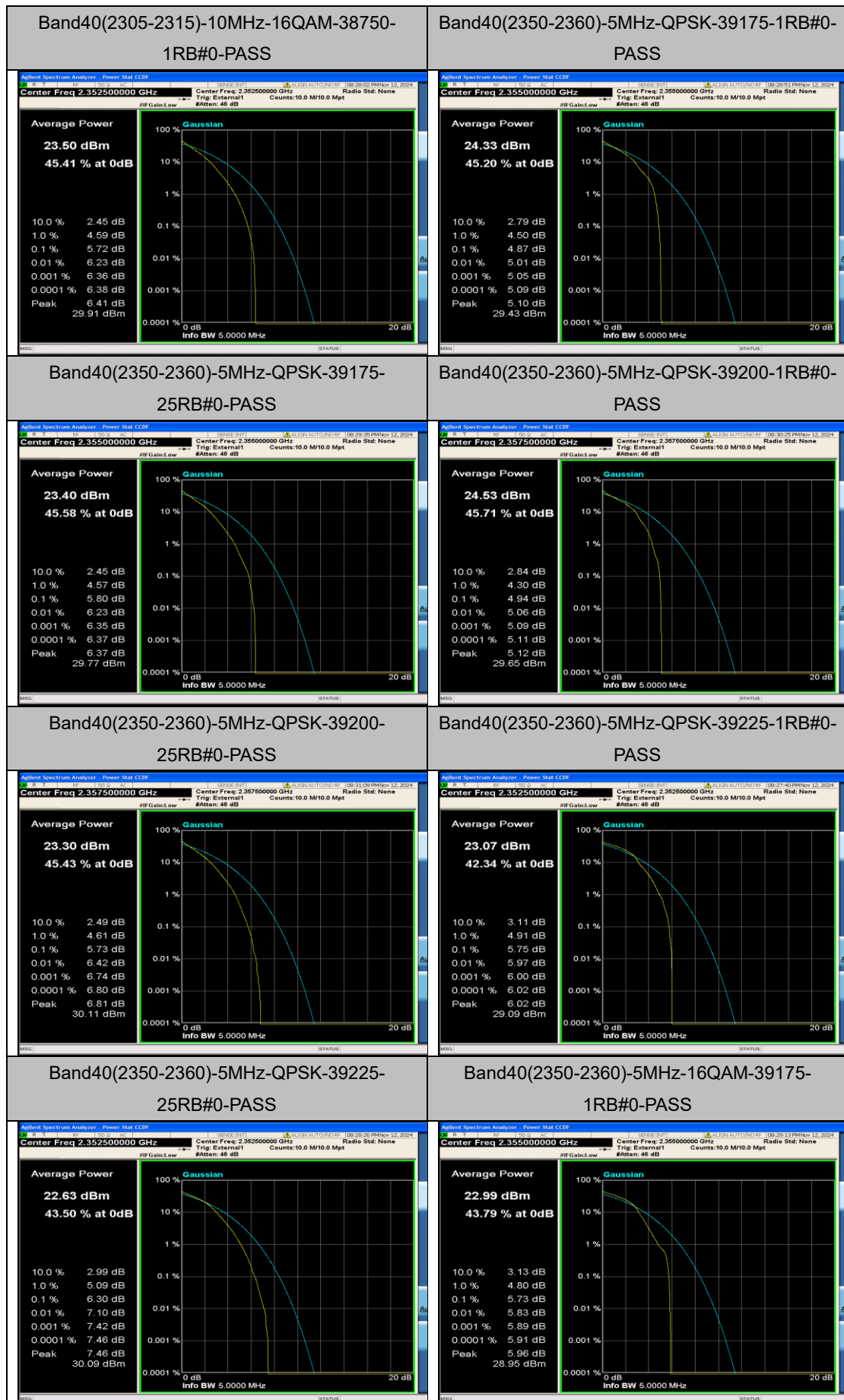
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band40(2305-2315)	5MHz	QPSK	38725	1RB#0	4.39	13	PASS
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	5.59	13	PASS
Band40(2305-2315)	5MHz	QPSK	38750	1RB#0	4.55	13	PASS
Band40(2305-2315)	5MHz	QPSK	38750	25RB#0	5.62	13	PASS
Band40(2305-2315)	5MHz	QPSK	38775	1RB#0	4.58	13	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	5.72	13	PASS
Band40(2305-2315)	5MHz	16QAM	38725	1RB#0	5.40	13	PASS
Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	6.23	13	PASS
Band40(2305-2315)	5MHz	16QAM	38750	1RB#0	5.22	13	PASS
Band40(2305-2315)	5MHz	16QAM	38750	25RB#0	6.35	13	PASS
Band40(2305-2315)	5MHz	16QAM	38775	1RB#0	5.52	13	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	6.33	13	PASS
Band40(2305-2315)	10MHz	QPSK	38750	1RB#0	4.65	13	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	5.48	13	PASS
Band40(2305-2315)	10MHz	16QAM	38750	1RB#0	5.68	13	PASS
Band40(2350-2360)	5MHz	QPSK	39175	1RB#0	4.86	13	PASS
Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	5.72	13	PASS
Band40(2350-2360)	5MHz	QPSK	39200	1RB#0	4.87	13	PASS

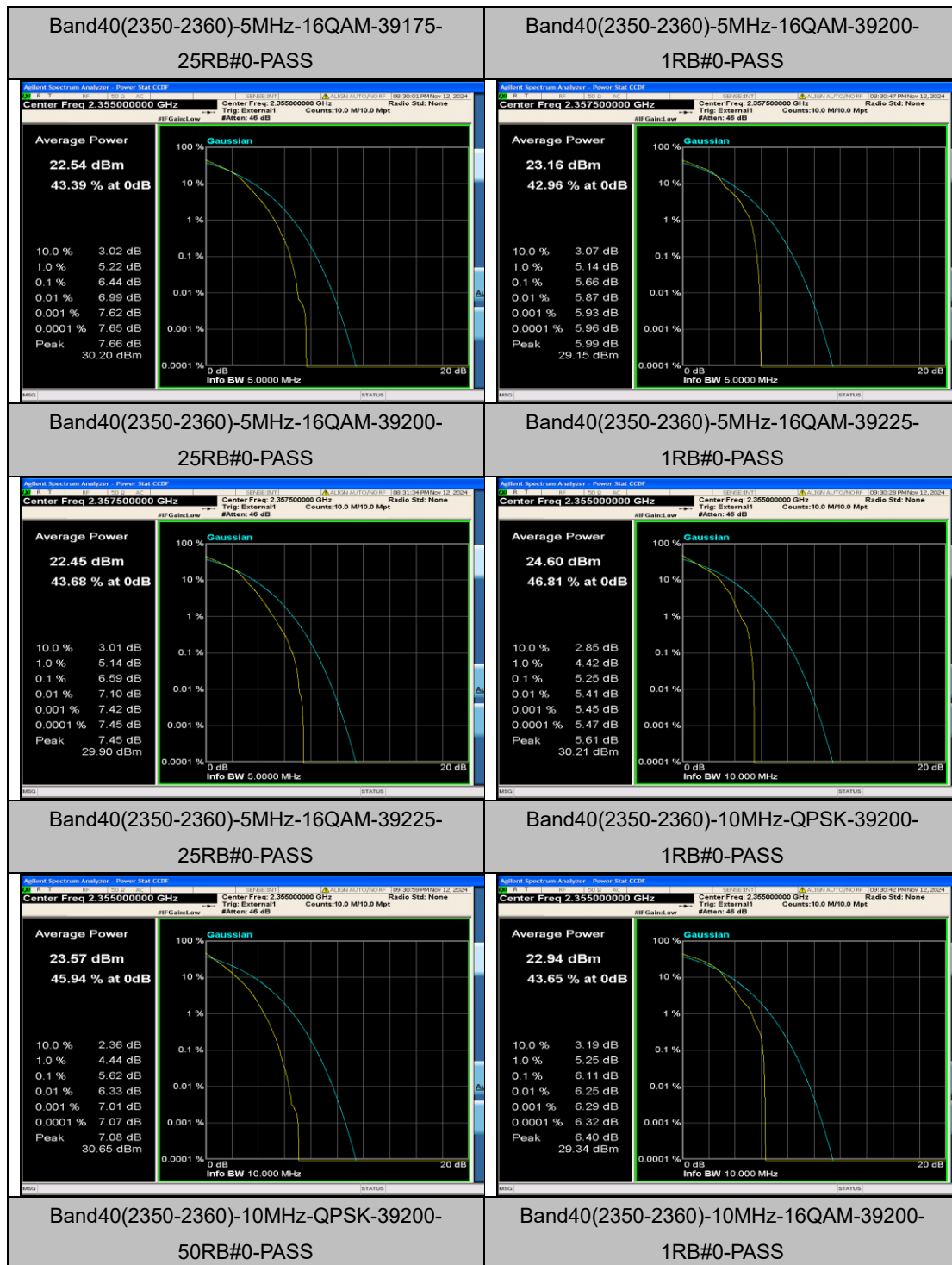
Band40(2350-2360)	5MHz	QPSK	39200	25RB#0	5.80	13	PASS
Band40(2350-2360)	5MHz	QPSK	39225	1RB#0	4.94	13	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	5.73	13	PASS
Band40(2350-2360)	5MHz	16QAM	39175	1RB#0	5.75	13	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	6.30	13	PASS
Band40(2350-2360)	5MHz	16QAM	39200	1RB#0	5.73	13	PASS
Band40(2350-2360)	5MHz	16QAM	39200	25RB#0	6.44	13	PASS
Band40(2350-2360)	5MHz	16QAM	39225	1RB#0	5.66	13	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	6.59	13	PASS
Band40(2350-2360)	10MHz	QPSK	39200	1RB#0	5.25	13	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	5.62	13	PASS
Band40(2350-2360)	10MHz	16QAM	39200	1RB#0	6.11	13	PASS

Test Graphs







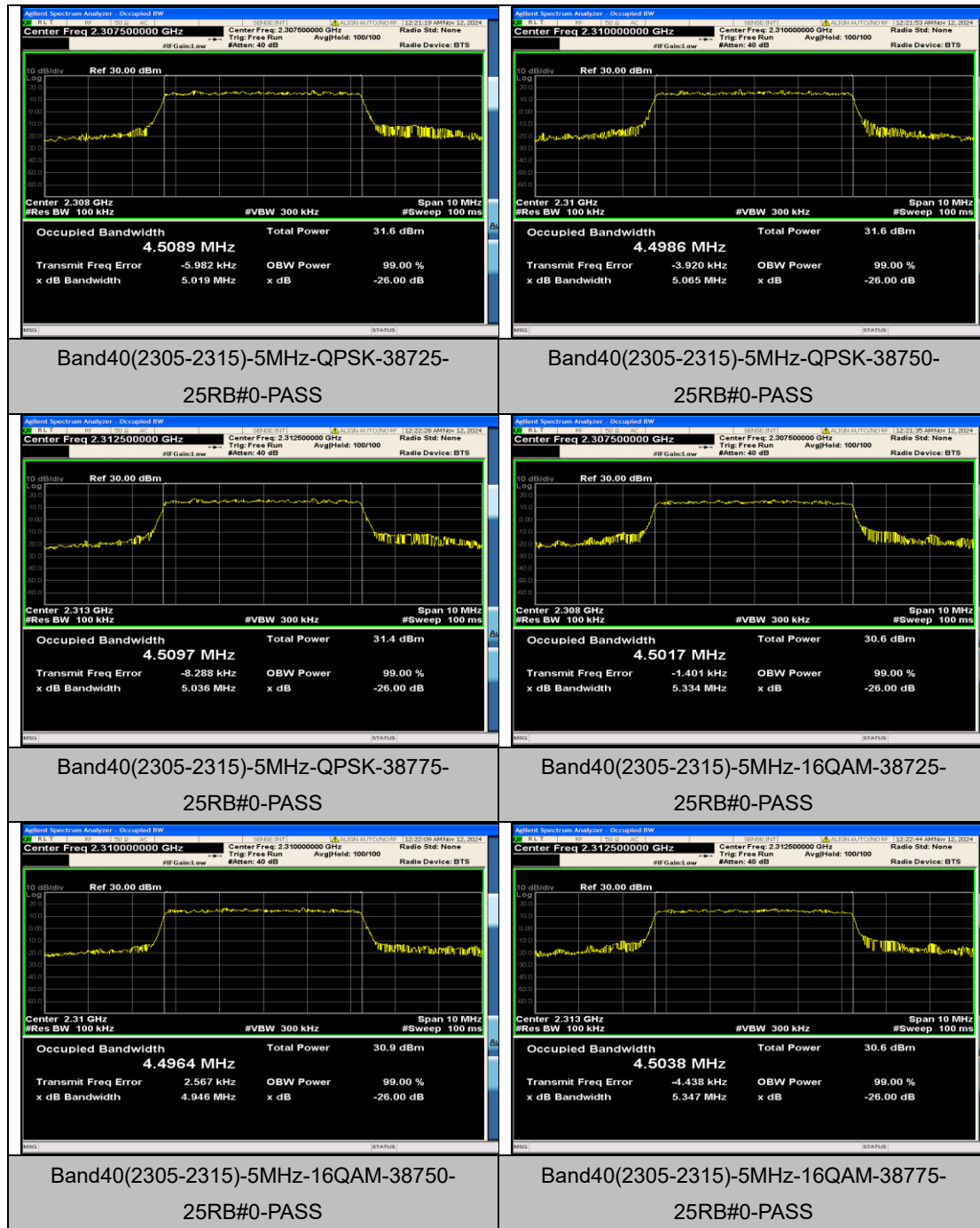


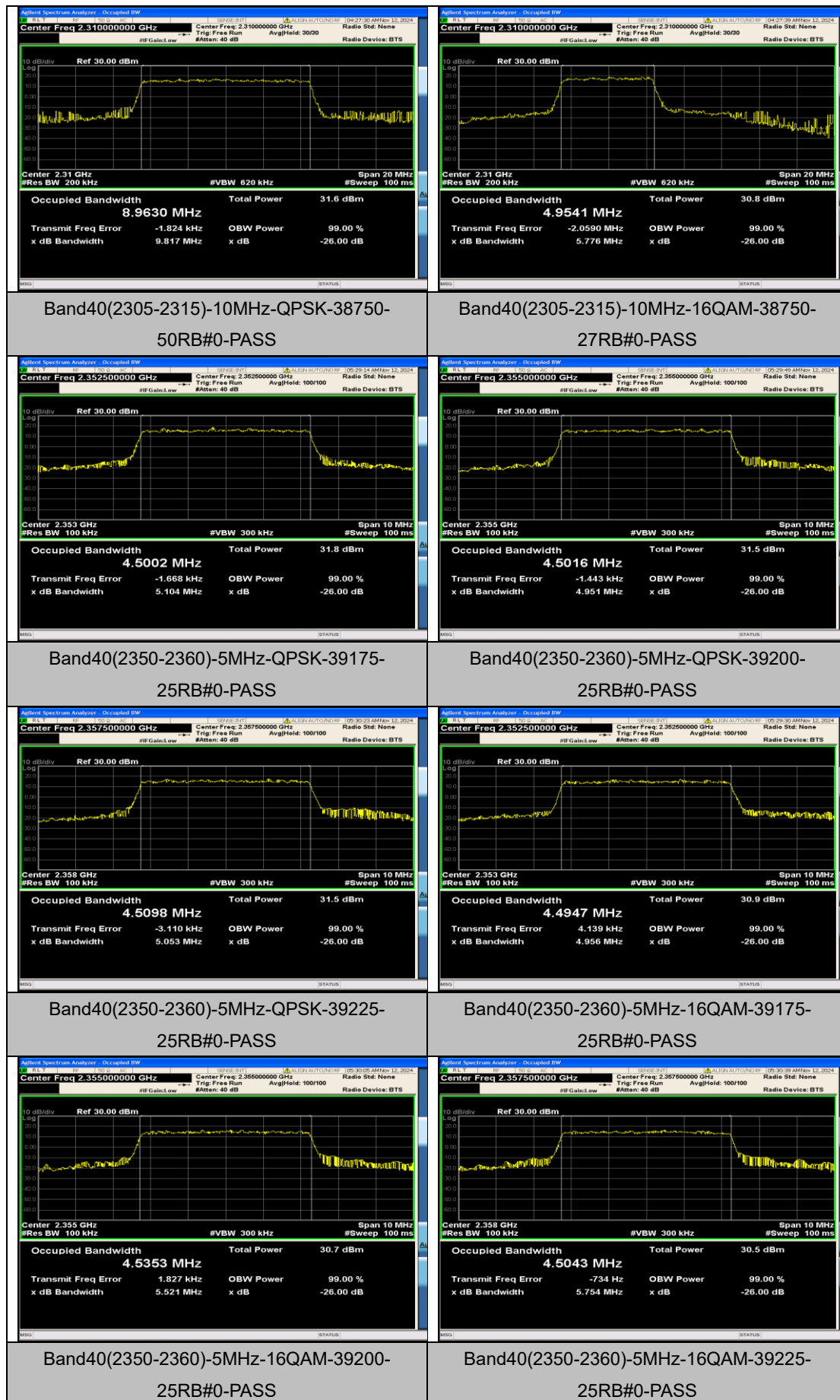
Appendix C: 26dB Bandwidth and Occupied Bandwidth

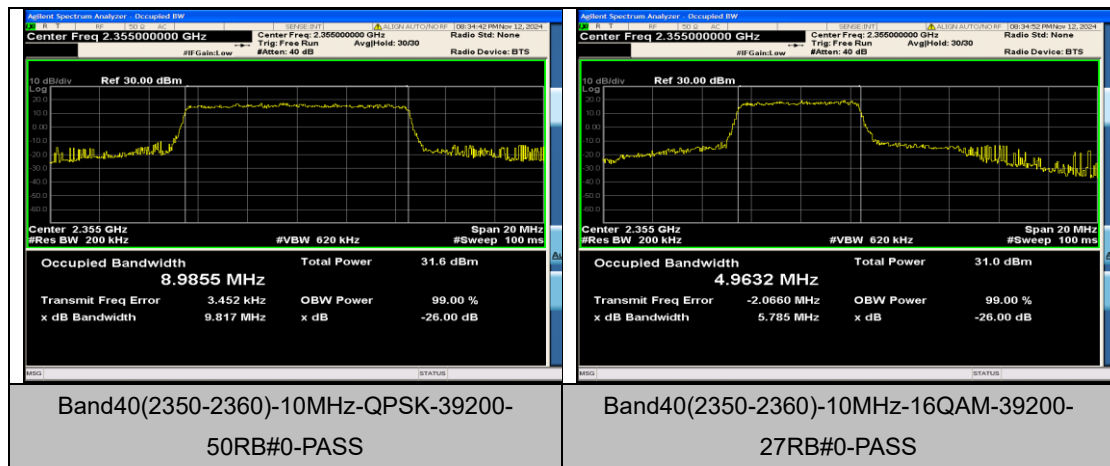
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	4.5089	5.019	PASS
Band40(2305-2315)	5MHz	QPSK	38750	25RB#0	4.4986	5.065	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	4.5097	5.036	PASS
Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	4.5017	5.334	PASS
Band40(2305-2315)	5MHz	16QAM	38750	25RB#0	4.4964	4.946	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	4.5038	5.347	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	8.9630	9.817	PASS
Band40(2305-2315)	10MHz	16QAM	38750	27RB#0	4.9541	5.776	PASS
Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	4.5002	5.104	PASS
Band40(2350-2360)	5MHz	QPSK	39200	25RB#0	4.5016	4.951	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	4.5098	5.053	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	4.4947	4.956	PASS
Band40(2350-2360)	5MHz	16QAM	39200	25RB#0	4.5353	5.521	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	4.5043	5.754	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	8.9855	9.817	PASS
Band40(2350-2360)	10MHz	16QAM	39200	27RB#0	4.9632	5.785	PASS

Test Graphs







Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band40(2305-2315)	5MHz	QPSK	38725	1RB#0	-23.97	PASS
Band40(2305-2315)	5MHz	QPSK	38725	1RB#24	-24.54	PASS
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	-21.92	PASS
Band40(2305-2315)	5MHz	QPSK	38775	1RB#0	-24.49	PASS
Band40(2305-2315)	5MHz	QPSK	38775	1RB#24	-25.09	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	-21.67	PASS
Band40(2305-2315)	5MHz	16QAM	38725	1RB#0	-53.60	PASS
Band40(2305-2315)	5MHz	16QAM	38725	1RB#24	-53.63	PASS
Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	-20.33	PASS
Band40(2305-2315)	5MHz	16QAM	38775	1RB#0	-53.62	PASS
Band40(2305-2315)	5MHz	16QAM	38775	1RB#24	-53.58	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	-20.30	PASS
Band40(2305-2315)	10MHz	QPSK	38750	1RB#0	-46.04	PASS
Band40(2305-2315)	10MHz	QPSK	38750	1RB#49	-31.00	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	-28.89	PASS
Band40(2305-2315)	10MHz	16QAM	38750	1RB#0	-48.51	PASS
Band40(2305-2315)	10MHz	16QAM	38750	1RB#49	-34.64	PASS
Band40(2350-2360)	5MHz	QPSK	39175	1RB#0	-33.68	PASS
Band40(2350-2360)	5MHz	QPSK	39175	1RB#24	-33.26	PASS

2360)						
Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	-28.92	PASS
Band40(2350-2360)	5MHz	QPSK	39225	1RB#0	-60.51	PASS
Band40(2350-2360)	5MHz	QPSK	39225	1RB#24	-55.70	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	-44.34	PASS
Band40(2350-2360)	5MHz	16QAM	39175	1RB#0	-61.78	PASS
Band40(2350-2360)	5MHz	16QAM	39175	1RB#24	-61.56	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	-27.86	PASS
Band40(2350-2360)	5MHz	16QAM	39225	1RB#0	-60.82	PASS
Band40(2350-2360)	5MHz	16QAM	39225	1RB#24	-57.72	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	-45.15	PASS
Band40(2350-2360)	10MHz	QPSK	39200	1RB#0	-43.34	PASS
Band40(2350-2360)	10MHz	QPSK	39200	1RB#49	-41.45	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	-44.54	PASS
Band40(2350-2360)	10MHz	16QAM	39200	1RB#0	-47.74	PASS
Band40(2350-2360)	10MHz	16QAM	39200	1RB#49	-44.31	PASS

Test Graphs

