

FCC LTE Band Test Data

FCC ID : 2BMDZ-Z-VOYAGE

Company: : Advanced Rugged System Co., LTD

EUT : Rugged Tablet

Model Number : Z_Voyage

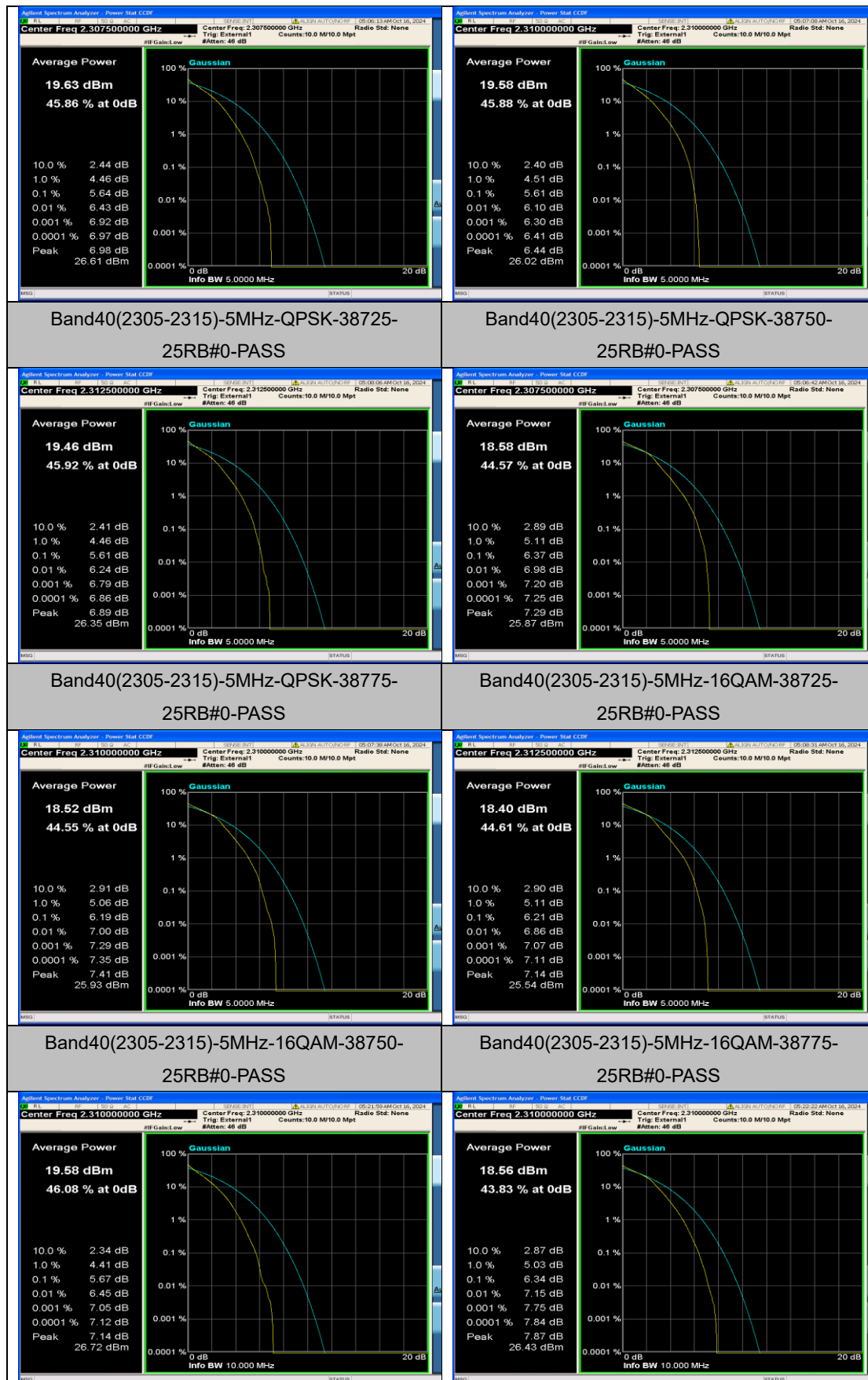
Reviewed By : Eric Wang

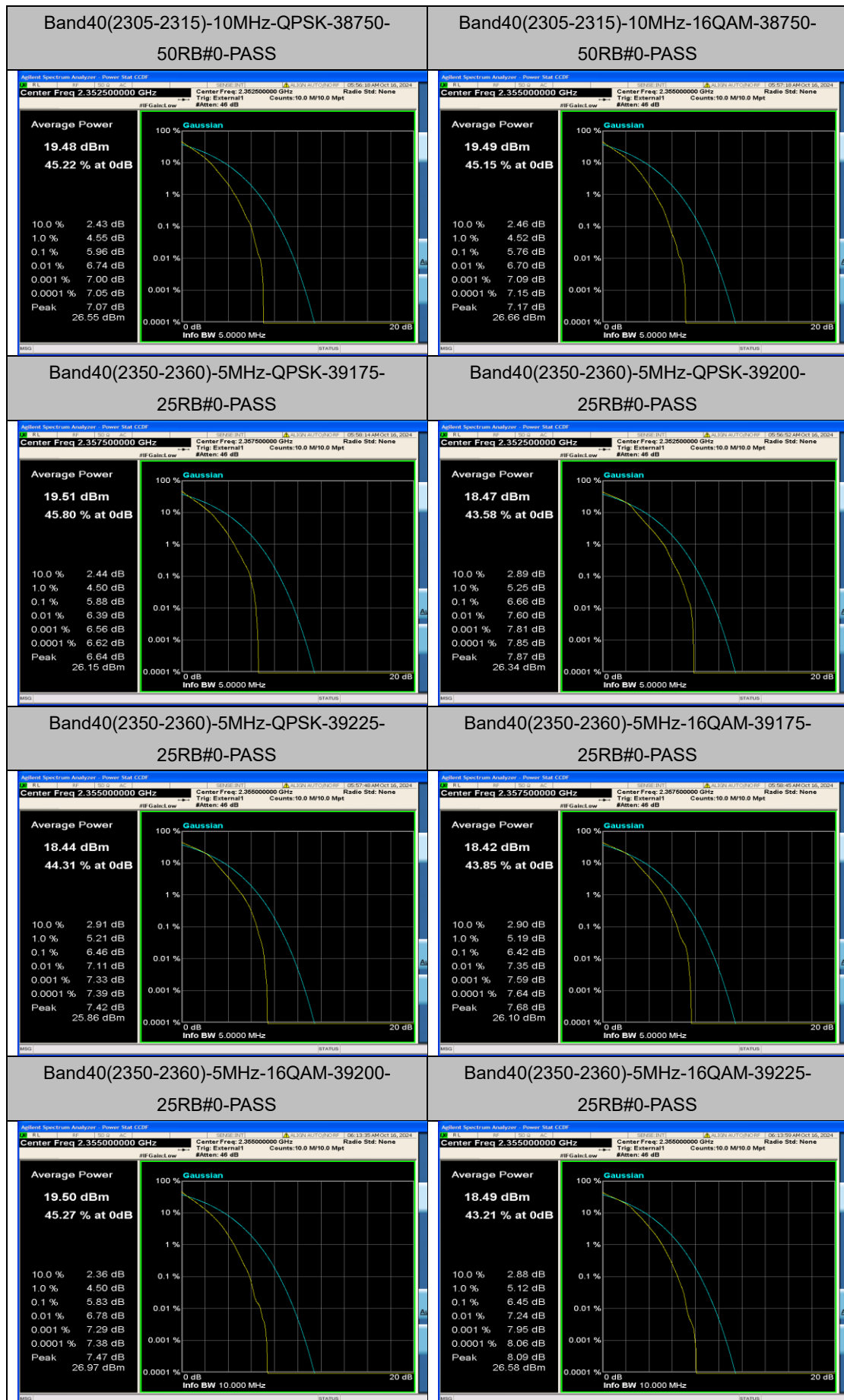
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	5.64	13	PASS
Band40(2305-2315)	5MHz	QPSK	38750	25RB#0	5.61	13	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	5.61	13	PASS
Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	6.37	13	PASS
Band40(2305-2315)	5MHz	16QAM	38750	25RB#0	6.19	13	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	6.21	13	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	5.67	13	PASS
Band40(2305-2315)	10MHz	16QAM	38750	50RB#0	6.34	13	PASS
Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	5.96	13	PASS
Band40(2350-2360)	5MHz	QPSK	39200	25RB#0	5.76	13	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	5.88	13	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	6.66	13	PASS
Band40(2350-2360)	5MHz	16QAM	39200	25RB#0	6.46	13	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	6.42	13	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	5.83	13	PASS
Band40(2350-2360)	10MHz	16QAM	39200	50RB#0	6.45	13	PASS

Test Graphs





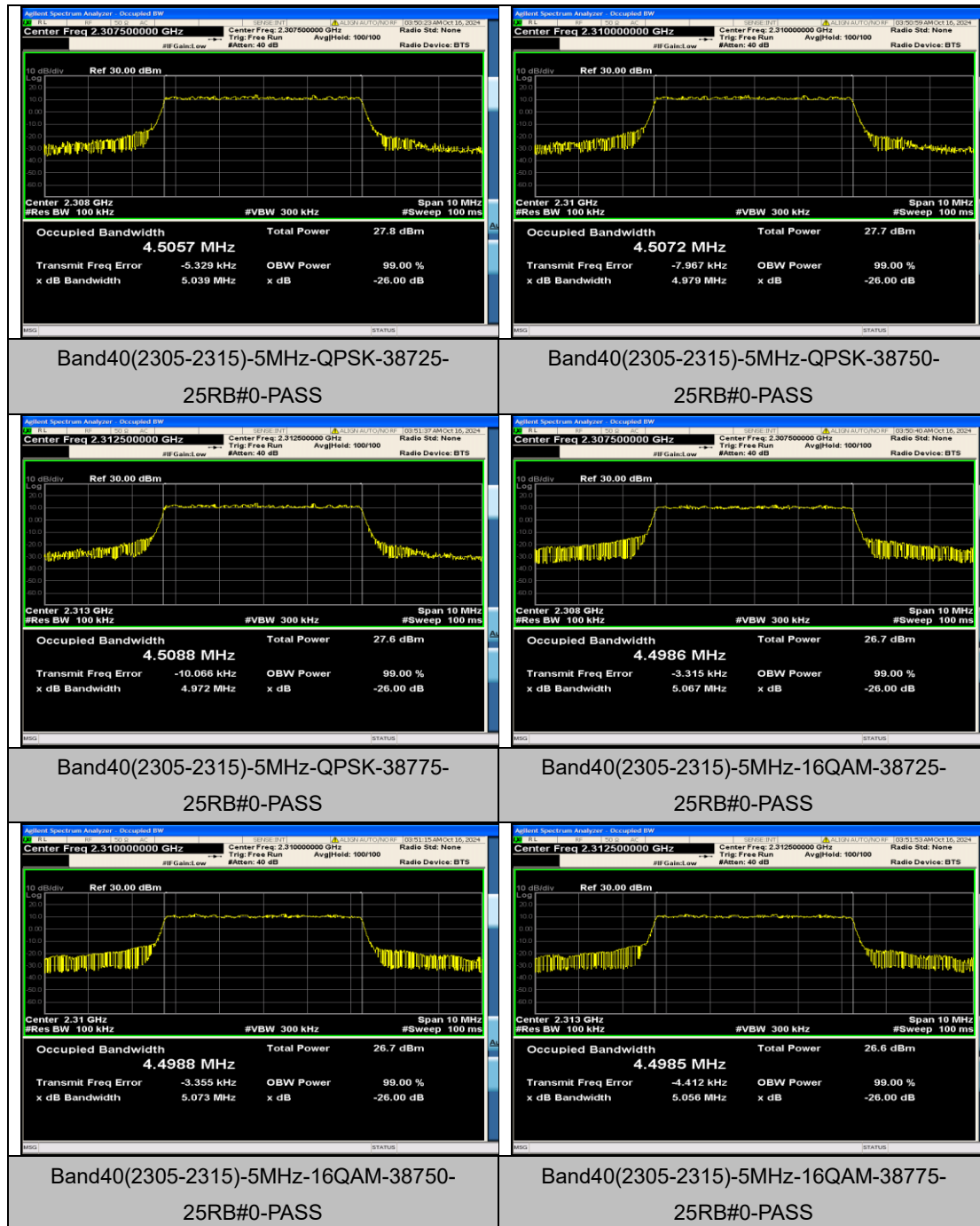
Band40(2350-2360)-10MHz-QPSK-39200- 50RB#0-PASS	Band40(2350-2360)-10MHz-16QAM-39200- 50RB#0-PASS
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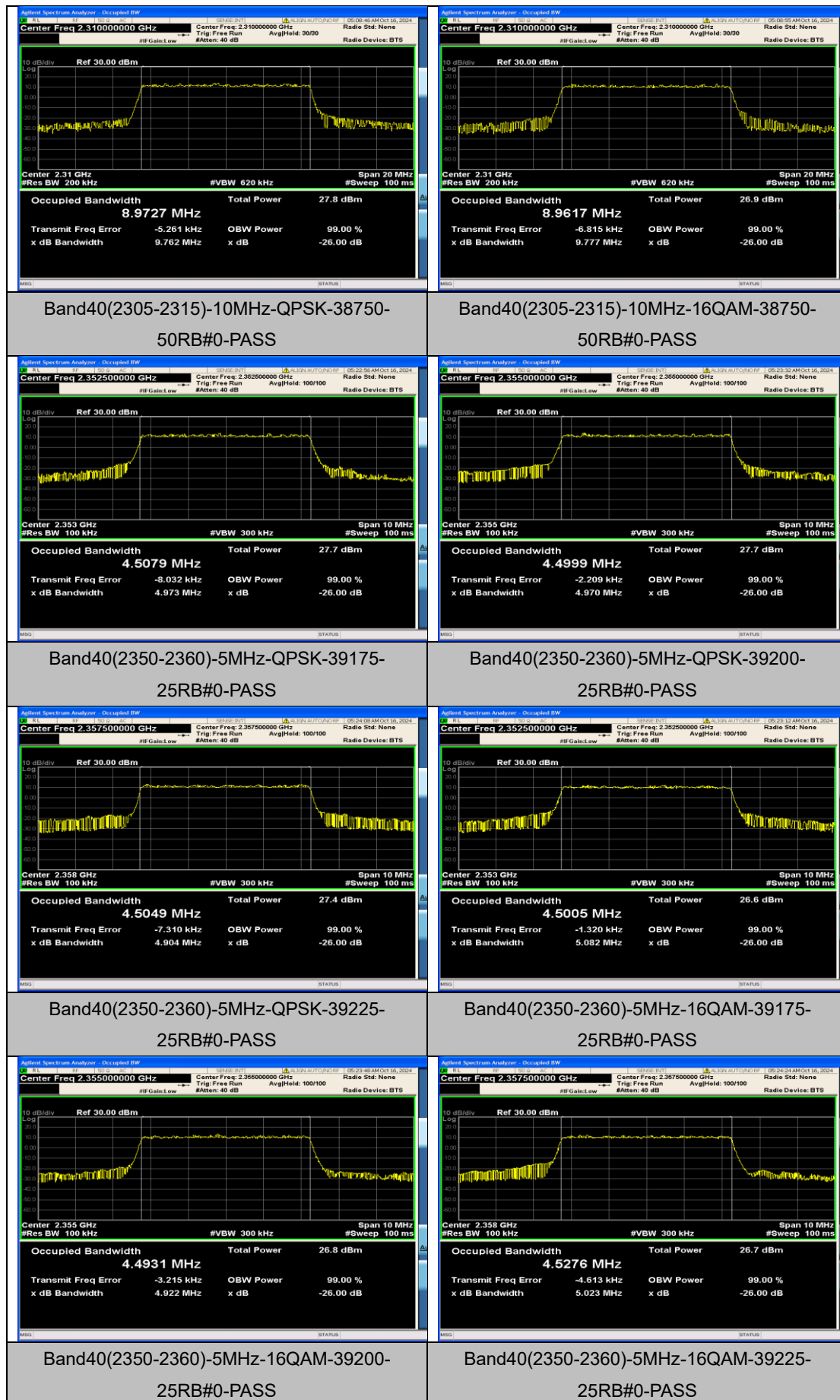
Appendix C: 26dB Bandwidth and Occupied Bandwidth

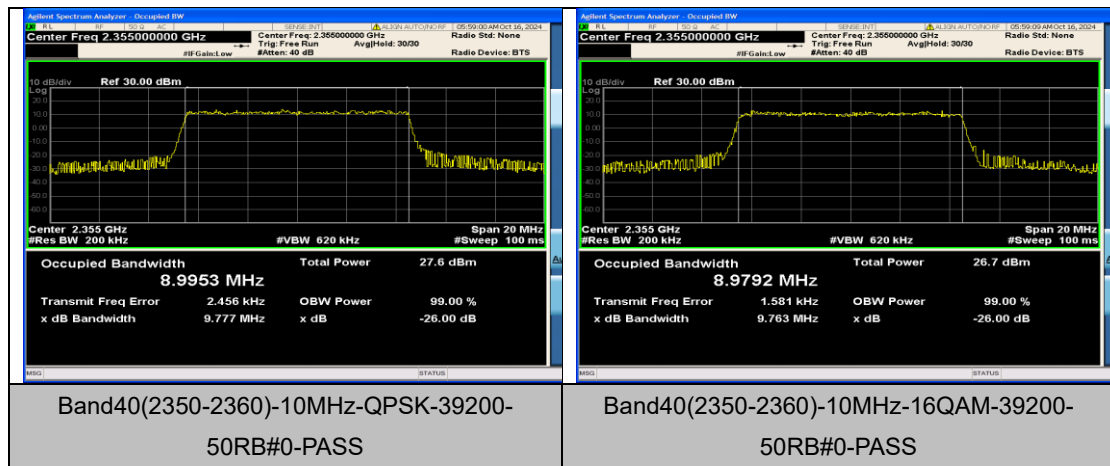
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	4.5057	5.039	PASS
Band40(2305-2315)	5MHz	QPSK	38750	25RB#0	4.5072	4.979	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	4.5088	4.972	PASS
Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	4.4986	5.067	PASS
Band40(2305-2315)	5MHz	16QAM	38750	25RB#0	4.4988	5.073	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	4.4985	5.056	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	8.9727	9.762	PASS
Band40(2305-2315)	10MHz	16QAM	38750	50RB#0	8.9617	9.777	PASS
Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	4.5079	4.973	PASS
Band40(2350-2360)	5MHz	QPSK	39200	25RB#0	4.4999	4.970	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	4.5049	4.904	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	4.5005	5.082	PASS
Band40(2350-2360)	5MHz	16QAM	39200	25RB#0	4.4931	4.922	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	4.5276	5.023	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	8.9953	9.777	PASS
Band40(2350-2360)	10MHz	16QAM	39200	50RB#0	8.9792	9.763	PASS

Test Graphs





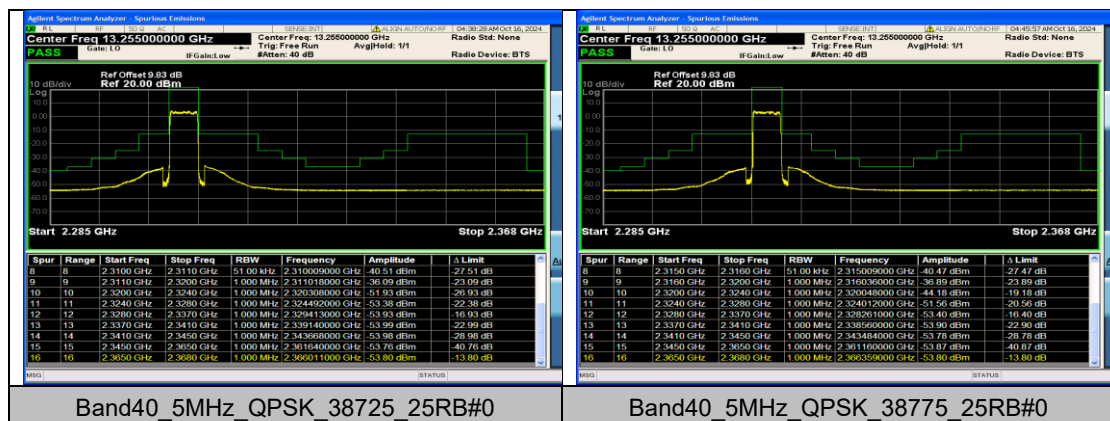


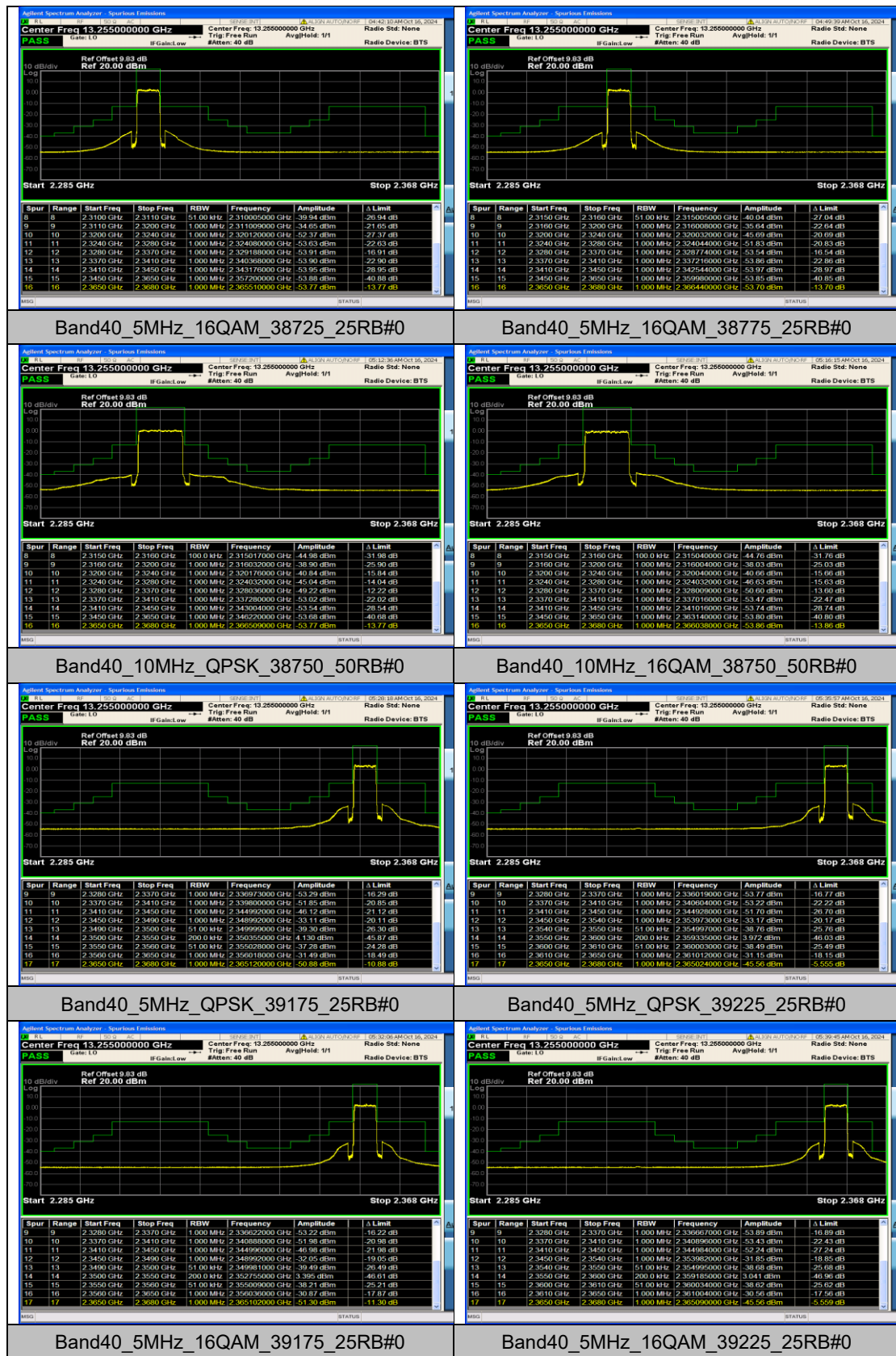
Appendix D: Band Edge

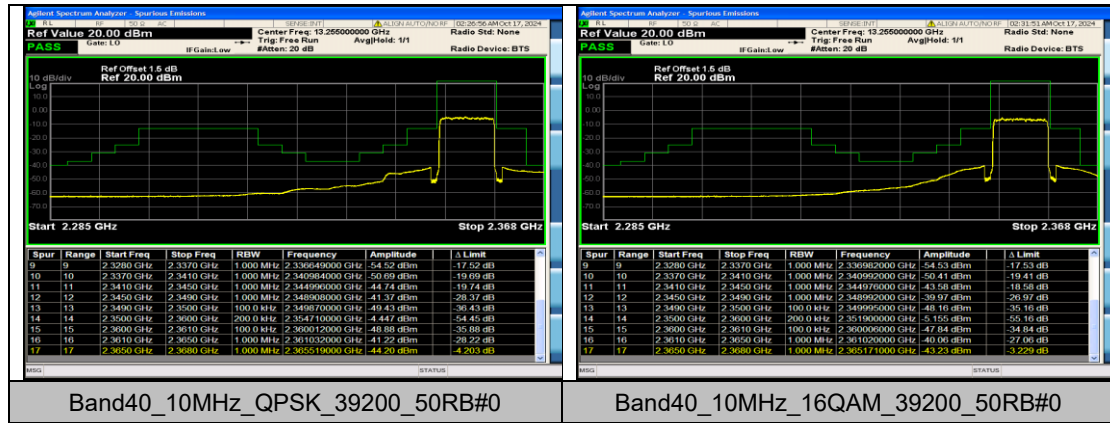
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	-53.79	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	-53.80	PASS
Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	-53.77	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	-53.70	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	-49.22	PASS
Band40(2305-2315)	10MHz	16QAM	38750	50RB#0	-52.94	PASS
Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	-50.88	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	-45.56	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	-51.30	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	-45.56	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	-44.20	PASS
Band40(2350-2360)	10MHz	16QAM	39200	50RB#0	-43.23	PASS

Test Graphs







Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	0.009~0.15	-77.99	PASS
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	0.15~30	-62.14	PASS
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	30~1000	-62.66	PASS
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	1000~3000	-48.66	PASS
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	3000~26500	-52.68	PASS
Band40(2305-2315)	5MHz	QPSK	38750	25RB#0	0.009~0.15	-78.64	PASS
Band40(2305-2315)	5MHz	QPSK	38750	25RB#0	0.15~30	-61.59	PASS
Band40(2305-2315)	5MHz	QPSK	38750	25RB#0	30~1000	-62.55	PASS
Band40(2305-2315)	5MHz	QPSK	38750	25RB#0	1000~3000	-48.25	PASS
Band40(2305-2315)	5MHz	QPSK	38750	25RB#0	3000~26500	-52.53	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	0.009~0.15	-80.18	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	0.15~30	-61.82	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	30~1000	-62.38	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	1000~3000	-48.02	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	3000~26500	-52.57	PASS
Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	0.009~0.15	-78.85	PASS
Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	0.15~30	-63.47	PASS
Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	30~1000	-62.42	PASS

Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	1000~3000	- 48.52	PASS
Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	3000~2650 0	- 52.75	PASS
Band40(2305-2315)	5MHz	16QAM	38750	25RB#0	0.009~0.15	- 78.37	PASS
Band40(2305-2315)	5MHz	16QAM	38750	25RB#0	0.15~30	- 61.93	PASS
Band40(2305-2315)	5MHz	16QAM	38750	25RB#0	30~1000	- 62.52	PASS
Band40(2305-2315)	5MHz	16QAM	38750	25RB#0	1000~3000	- 48.51	PASS
Band40(2305-2315)	5MHz	16QAM	38750	25RB#0	3000~2650 0	- 52.72	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	0.009~0.15	- 76.98	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	0.15~30	- 60.62	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	30~1000	- 62.41	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	1000~3000	- 48.58	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	3000~2650 0	- 52.61	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	0.009~0.15	- 77.04	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	0.15~30	- 60.25	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	30~1000	- 62.58	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	1000~3000	- 48.59	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	3000~2650 0	- 52.59	PASS
Band40(2305-2315)	10MHz	16QAM	38750	50RB#0	0.009~0.15	- 78.96	PASS
Band40(2305-2315)	10MHz	16QAM	38750	50RB#0	0.15~30	- 62.99	PASS
Band40(2305-2315)	10MHz	16QAM	38750	50RB#0	30~1000	- 62.34	PASS
Band40(2305-2315)	10MHz	16QAM	38750	50RB#0	1000~3000	- 48.51	PASS
Band40(2305-2315)	10MHz	16QAM	38750	50RB#0	3000~2650 0	- 52.63	PASS

Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	0.009~0.15	- 77.94	PASS
Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	0.15~30	- 61.98	PASS
Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	30~1000	- 62.58	PASS
Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	1000~3000	- 47.75	PASS
Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	3000~2650 0	- 52.39	PASS
Band40(2350-2360)	5MHz	QPSK	39200	25RB#0	0.009~0.15	- 80.15	PASS
Band40(2350-2360)	5MHz	QPSK	39200	25RB#0	0.15~30	- 61.84	PASS
Band40(2350-2360)	5MHz	QPSK	39200	25RB#0	30~1000	- 62.55	PASS
Band40(2350-2360)	5MHz	QPSK	39200	25RB#0	1000~3000	- 48.29	PASS
Band40(2350-2360)	5MHz	QPSK	39200	25RB#0	3000~2650 0	- 52.53	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	0.009~0.15	- 77.68	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	0.15~30	- 62.87	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	30~1000	- 62.50	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	1000~3000	- 45.95	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	3000~2650 0	- 52.46	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	0.009~0.15	- 78.06	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	0.15~30	- 60.64	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	30~1000	- 62.34	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	1000~3000	- 48.19	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	3000~2650 0	- 52.70	PASS
Band40(2350-2360)	5MHz	16QAM	39200	25RB#0	0.009~0.15	- 79.94	PASS
Band40(2350-2360)	5MHz	16QAM	39200	25RB#0	0.15~30	- 63.17	PASS

Band40(2350-2360)	5MHz	16QAM	39200	25RB#0	30~1000	- 62.43	PASS
Band40(2350-2360)	5MHz	16QAM	39200	25RB#0	1000~3000	- 48.60	PASS
Band40(2350-2360)	5MHz	16QAM	39200	25RB#0	3000~2650 0	- 52.50	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	0.009~0.15	- 78.39	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	0.15~30	- 62.50	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	30~1000	- 62.39	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	1000~3000	- 41.56	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	3000~2650 0	- 52.64	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	0.009~0.15	- 79.04	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	0.15~30	- 62.32	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	30~1000	- 62.40	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	1000~3000	- 48.29	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	3000~2650 0	- 52.66	PASS
Band40(2350-2360)	10MHz	16QAM	39200	50RB#0	0.009~0.15	- 80.72	PASS
Band40(2350-2360)	10MHz	16QAM	39200	50RB#0	0.15~30	- 63.27	PASS
Band40(2350-2360)	10MHz	16QAM	39200	50RB#0	30~1000	- 62.35	PASS
Band40(2350-2360)	10MHz	16QAM	39200	50RB#0	1000~3000	- 48.45	PASS
Band40(2350-2360)	10MHz	16QAM	39200	50RB#0	3000~2650 0	- 52.53	PASS

Test Graphs

