

FCC LTE Band Test Data

FCC ID : **2BG6D-SDM660**

Company: : **Dongguan Yigaoxin Electronic Technology Co., Ltd.**

EUT : **Wireless Carplay Box**

Model Number : **SDM660**

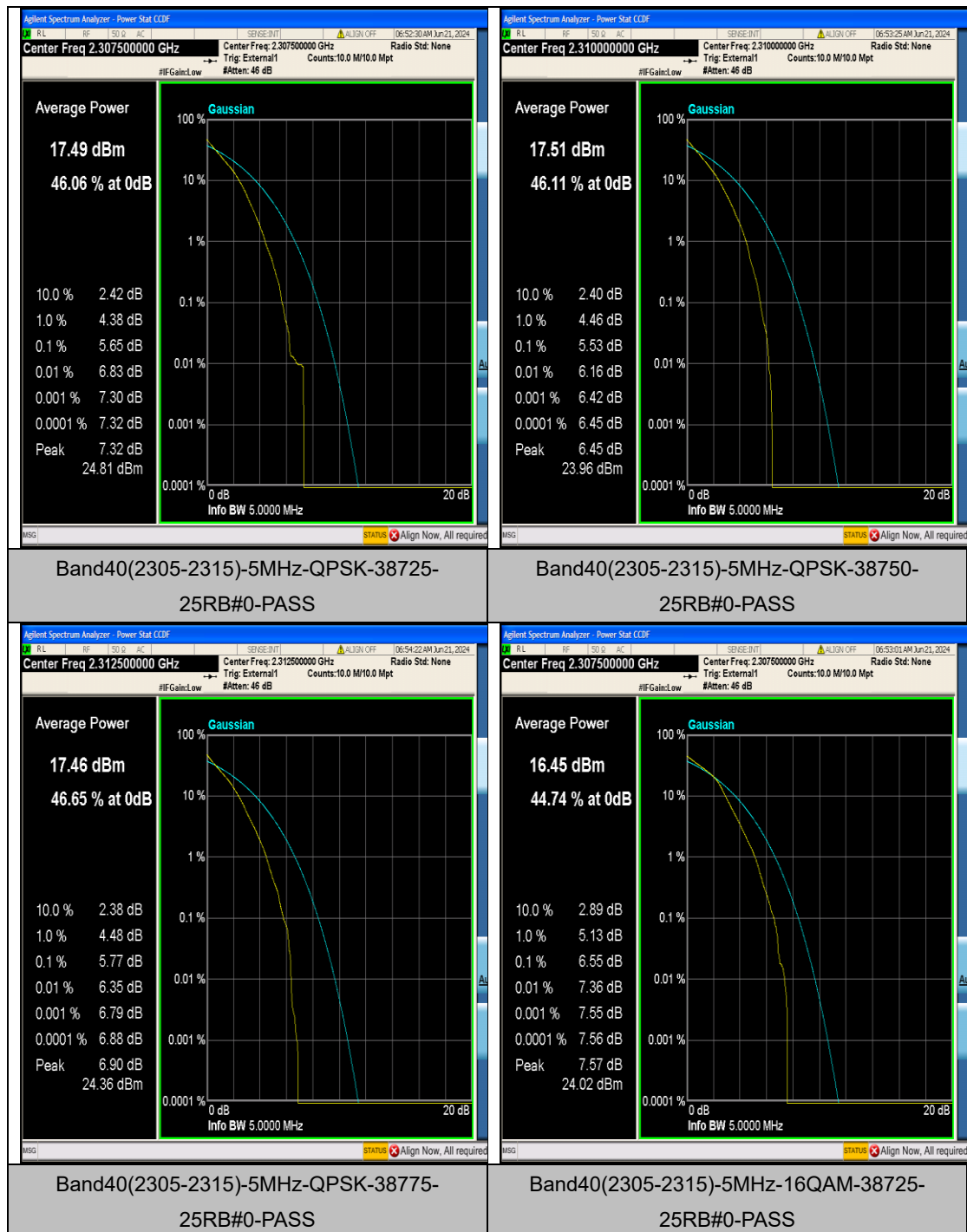
Reviewed By : **Eric Wang**

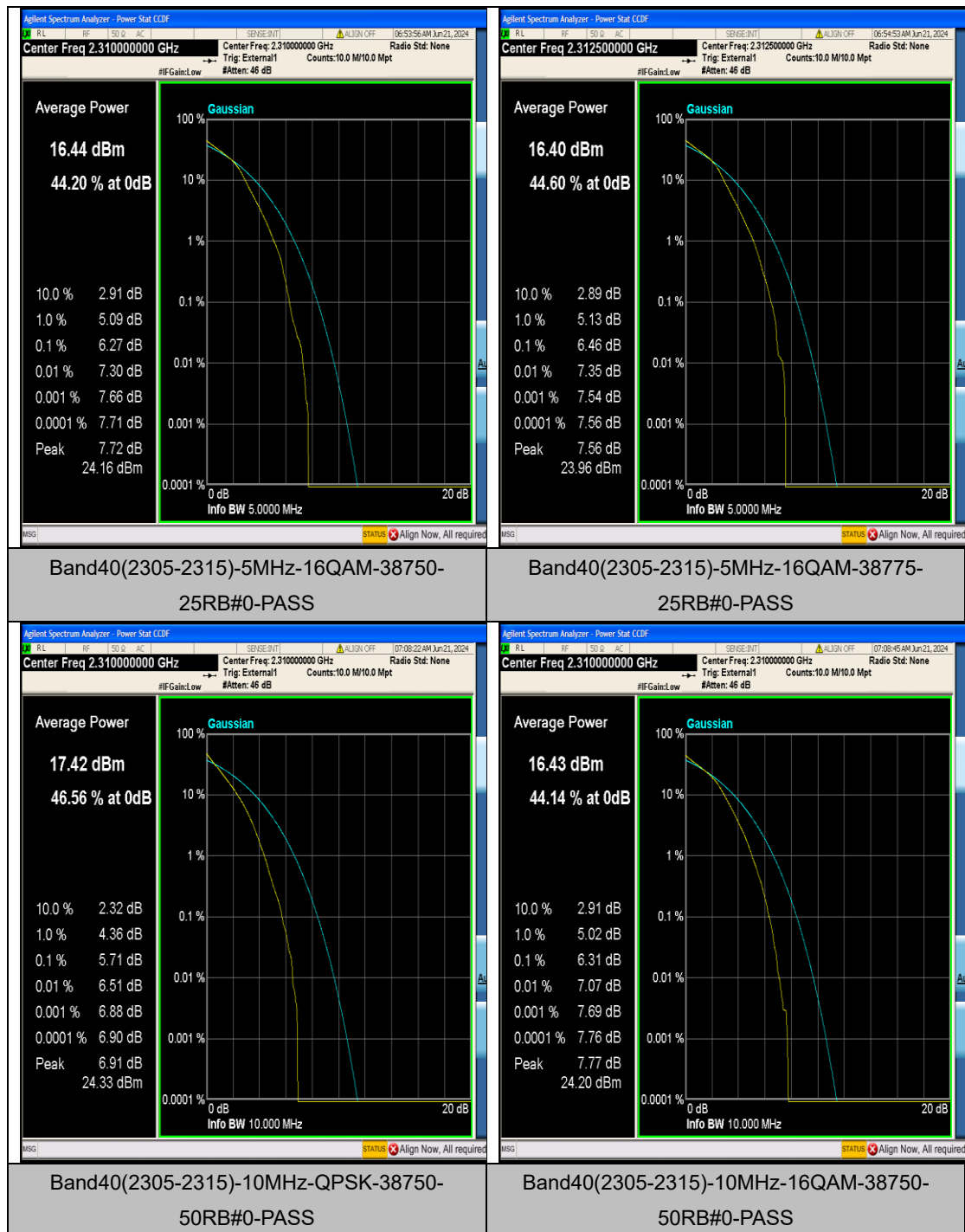
Appendix B: Peak-to-Average Ratio(CCDF)

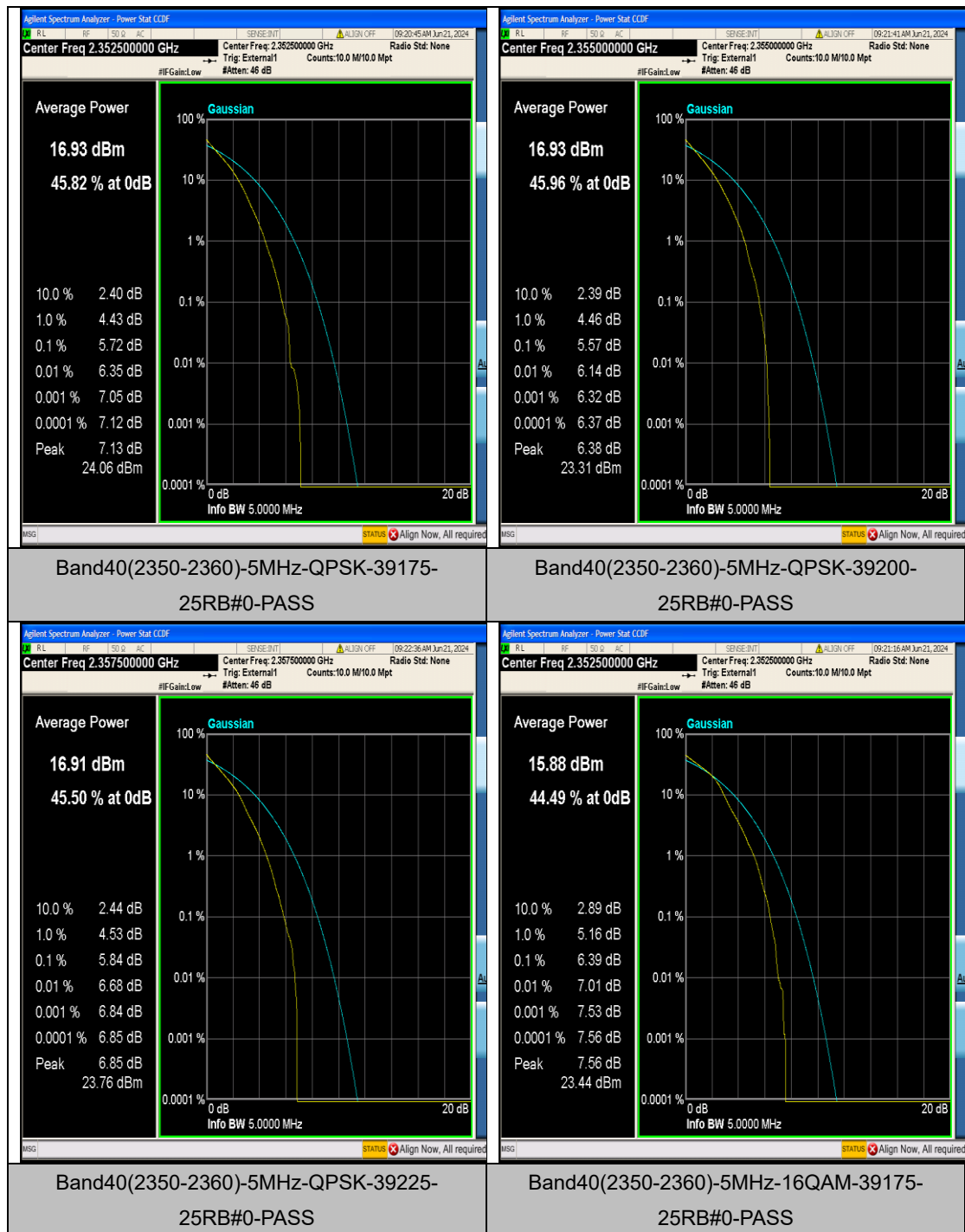
Test Result

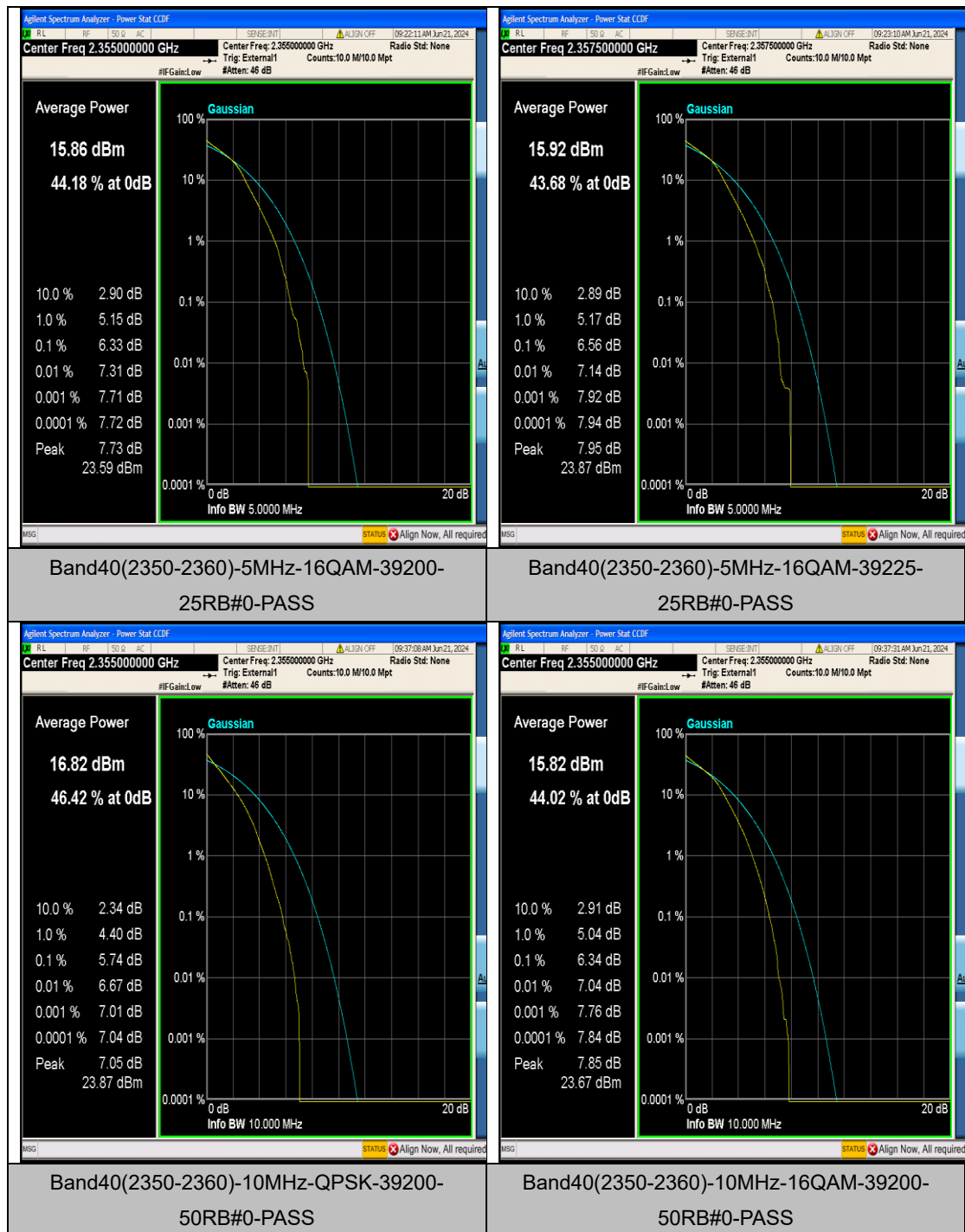
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	5.65	13	PASS
Band40(2305-2315)	5MHz	QPSK	38750	25RB#0	5.53	13	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	5.77	13	PASS
Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	6.55	13	PASS
Band40(2305-2315)	5MHz	16QAM	38750	25RB#0	6.27	13	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	6.46	13	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	5.71	13	PASS
Band40(2305-2315)	10MHz	16QAM	38750	50RB#0	6.31	13	PASS
Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	5.72	13	PASS
Band40(2350-2360)	5MHz	QPSK	39200	25RB#0	5.57	13	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	5.84	13	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	6.39	13	PASS
Band40(2350-2360)	5MHz	16QAM	39200	25RB#0	6.33	13	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	6.56	13	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	5.74	13	PASS
Band40(2350-2360)	10MHz	16QAM	39200	50RB#0	6.34	13	PASS

Test Graphs







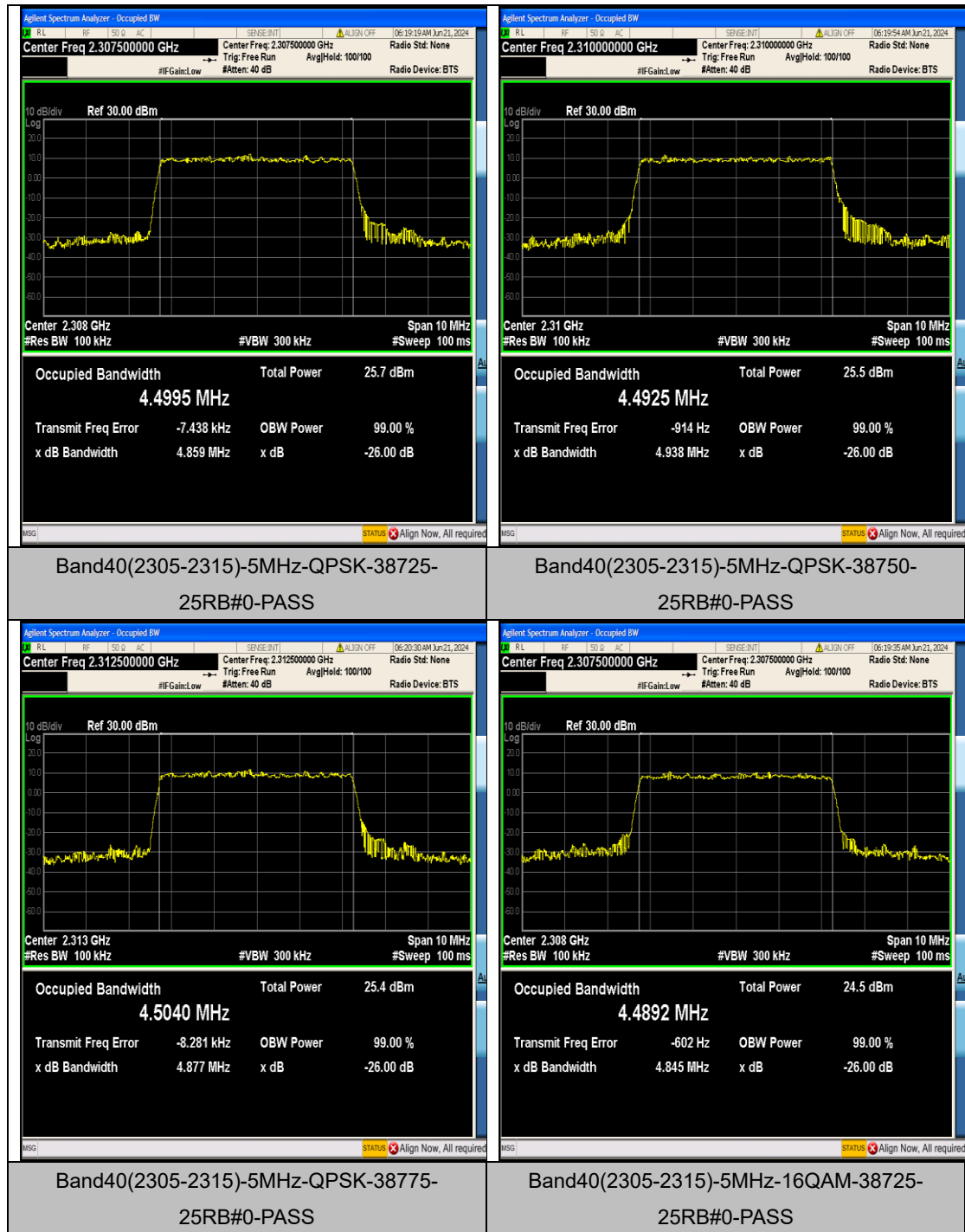


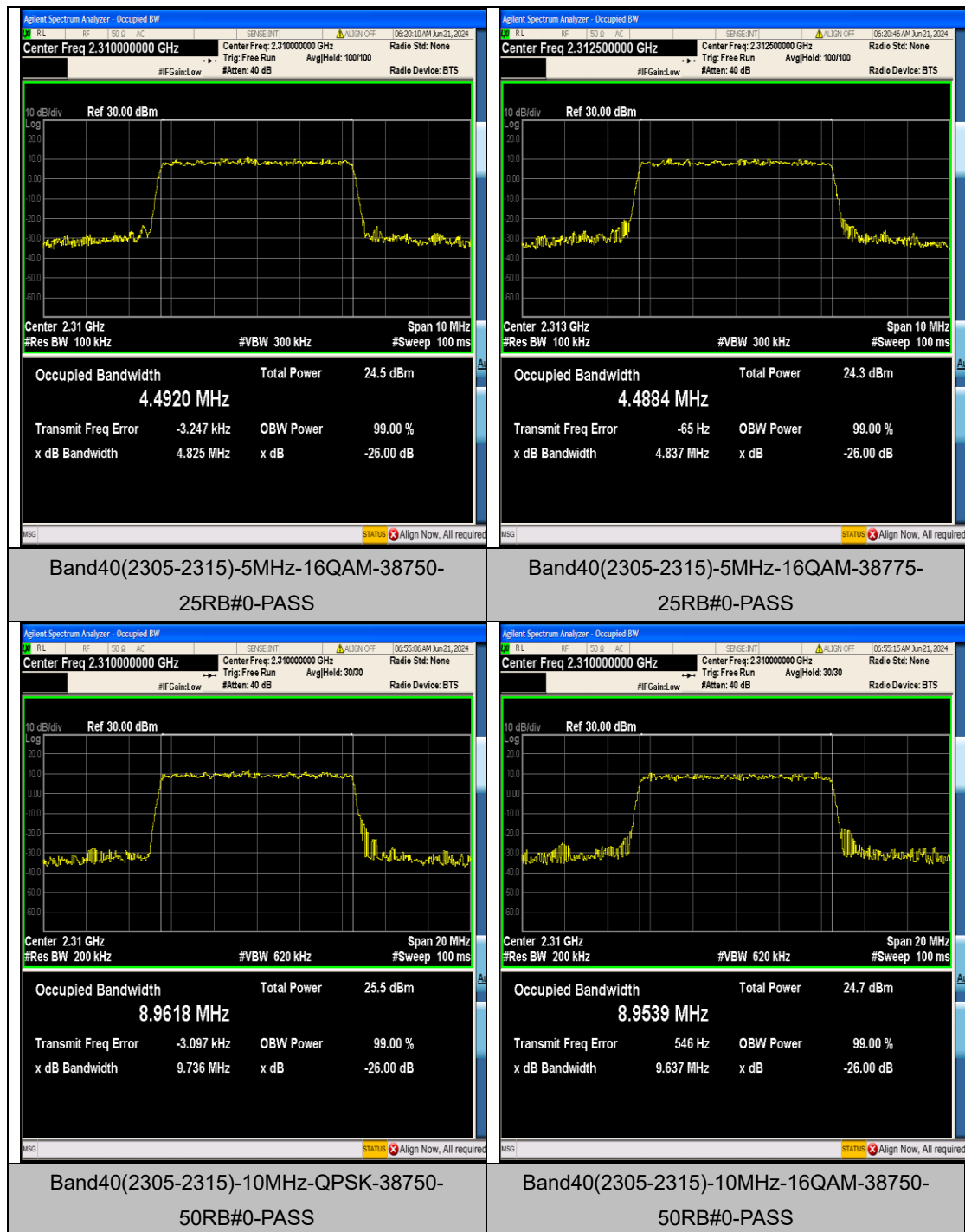
Appendix C: 26dB Bandwidth and Occupied Bandwidth

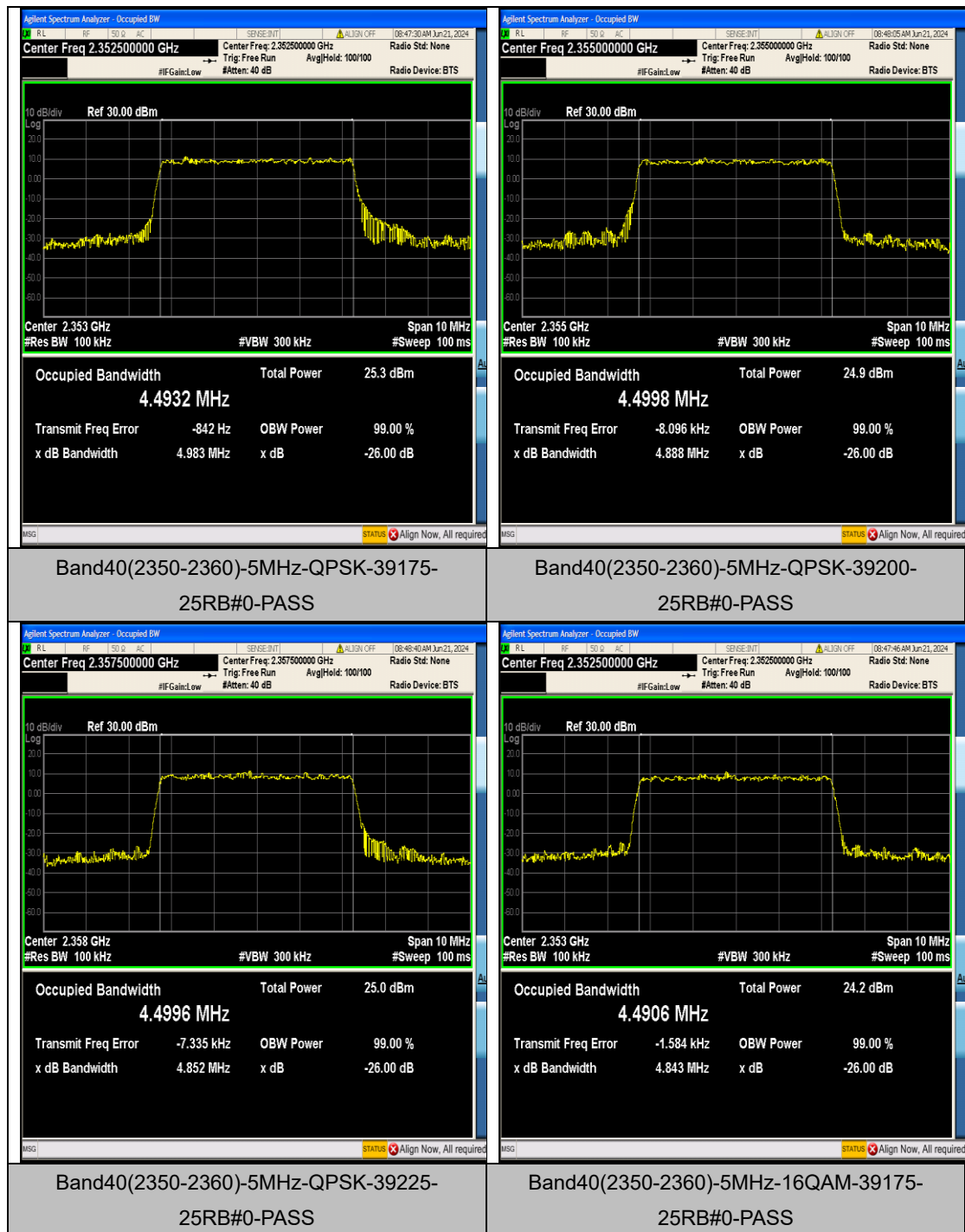
Test Result

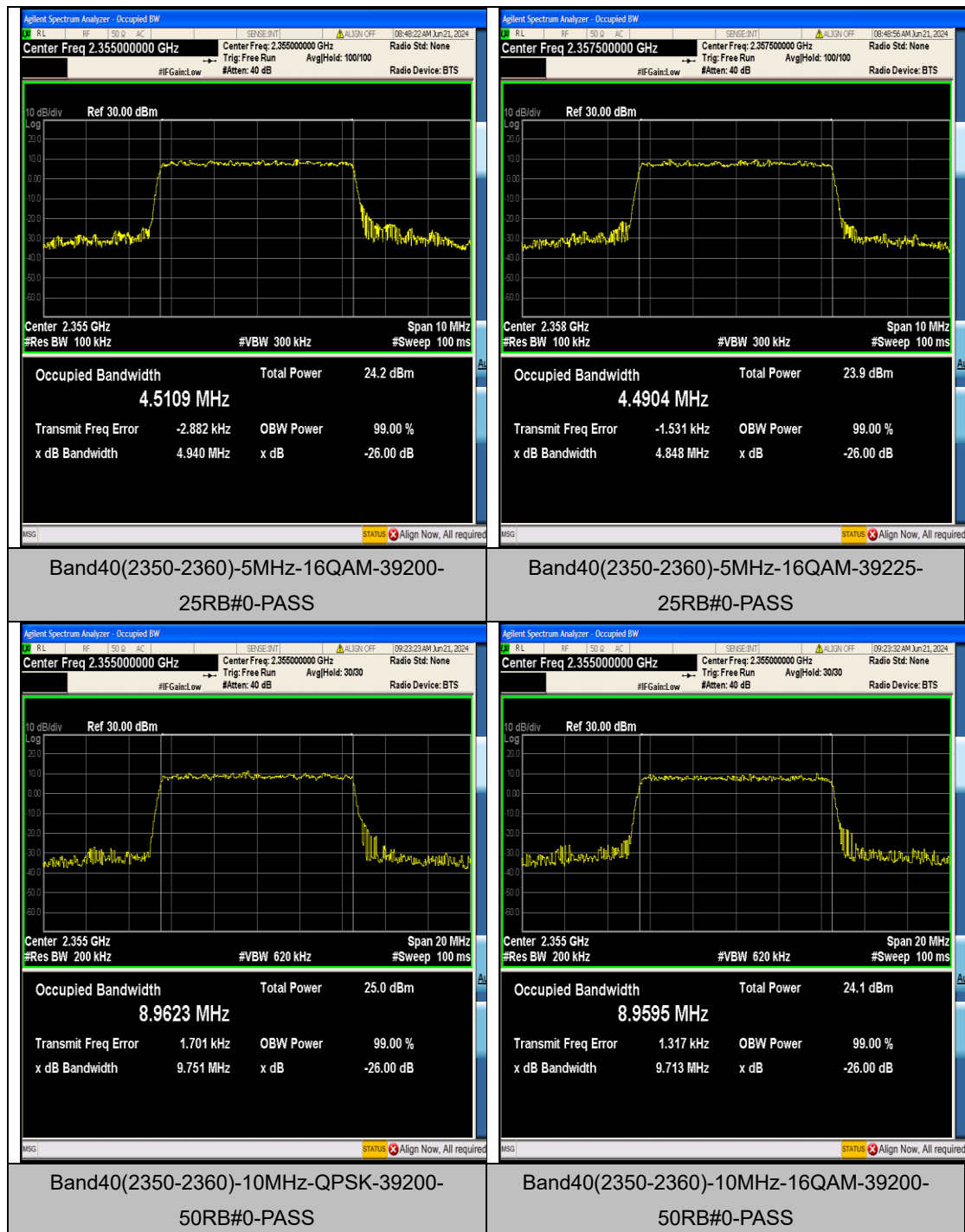
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	4.4995	4.859	PASS
Band40(2305-2315)	5MHz	QPSK	38750	25RB#0	4.4925	4.938	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	4.5040	4.877	PASS
Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	4.4892	4.845	PASS
Band40(2305-2315)	5MHz	16QAM	38750	25RB#0	4.4920	4.825	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	4.4884	4.837	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	8.9618	9.736	PASS
Band40(2305-2315)	10MHz	16QAM	38750	50RB#0	8.9539	9.637	PASS
Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	4.4932	4.983	PASS
Band40(2350-2360)	5MHz	QPSK	39200	25RB#0	4.4998	4.888	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	4.4996	4.852	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	4.4906	4.843	PASS
Band40(2350-2360)	5MHz	16QAM	39200	25RB#0	4.5109	4.940	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	4.4904	4.848	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	8.9623	9.751	PASS
Band40(2350-2360)	10MHz	16QAM	39200	50RB#0	8.9595	9.713	PASS

Test Graphs







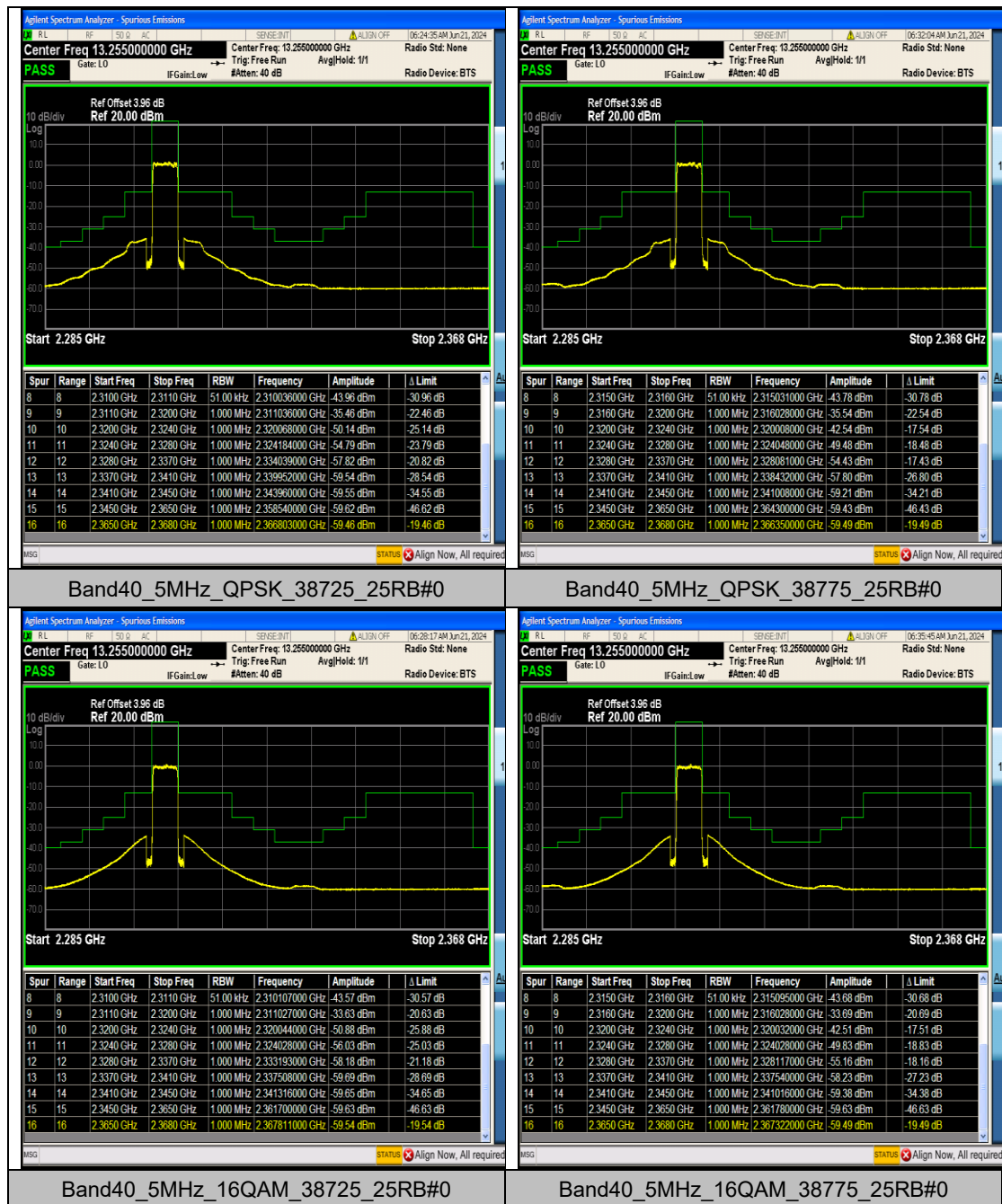


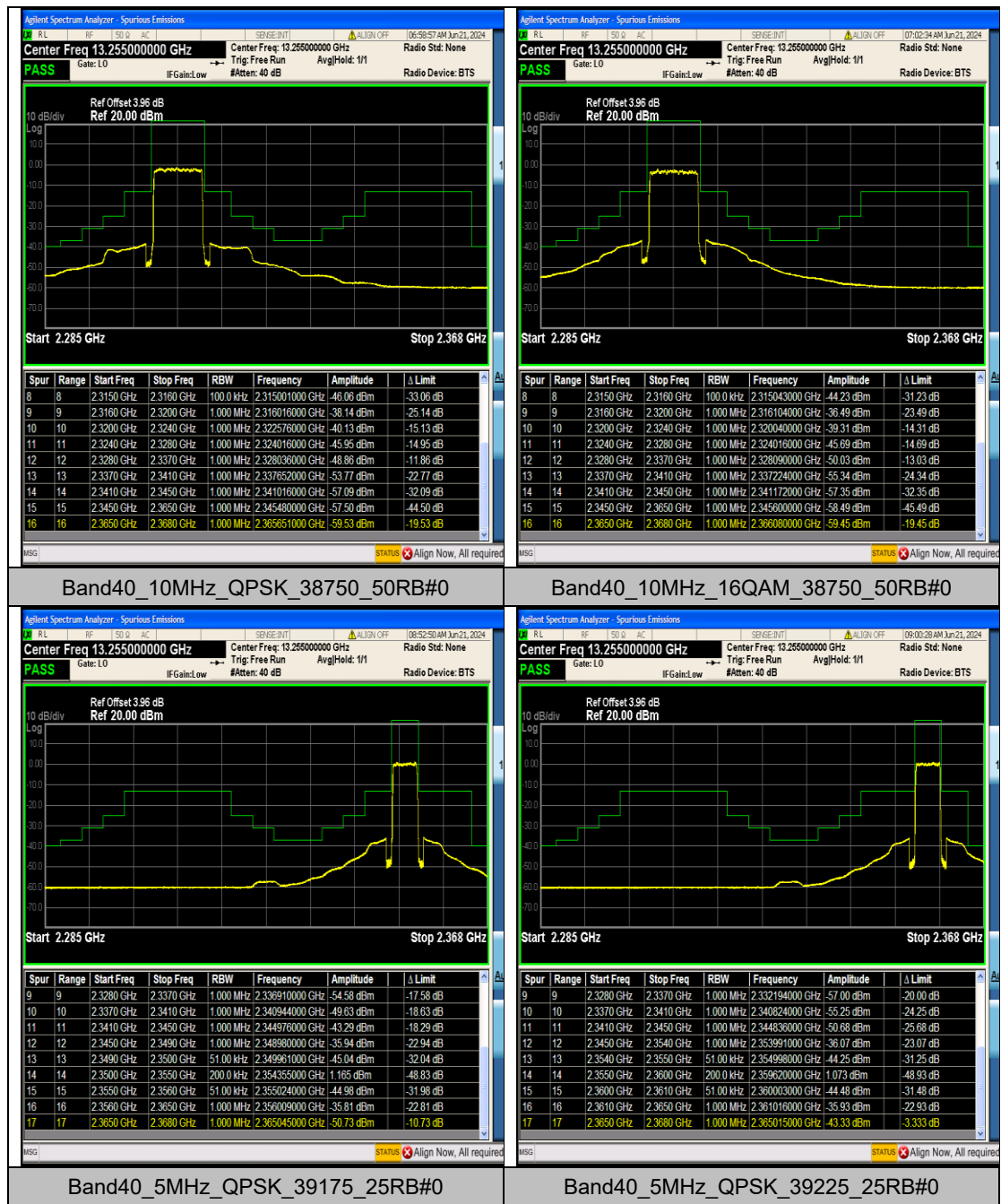
Appendix D: Band Edge

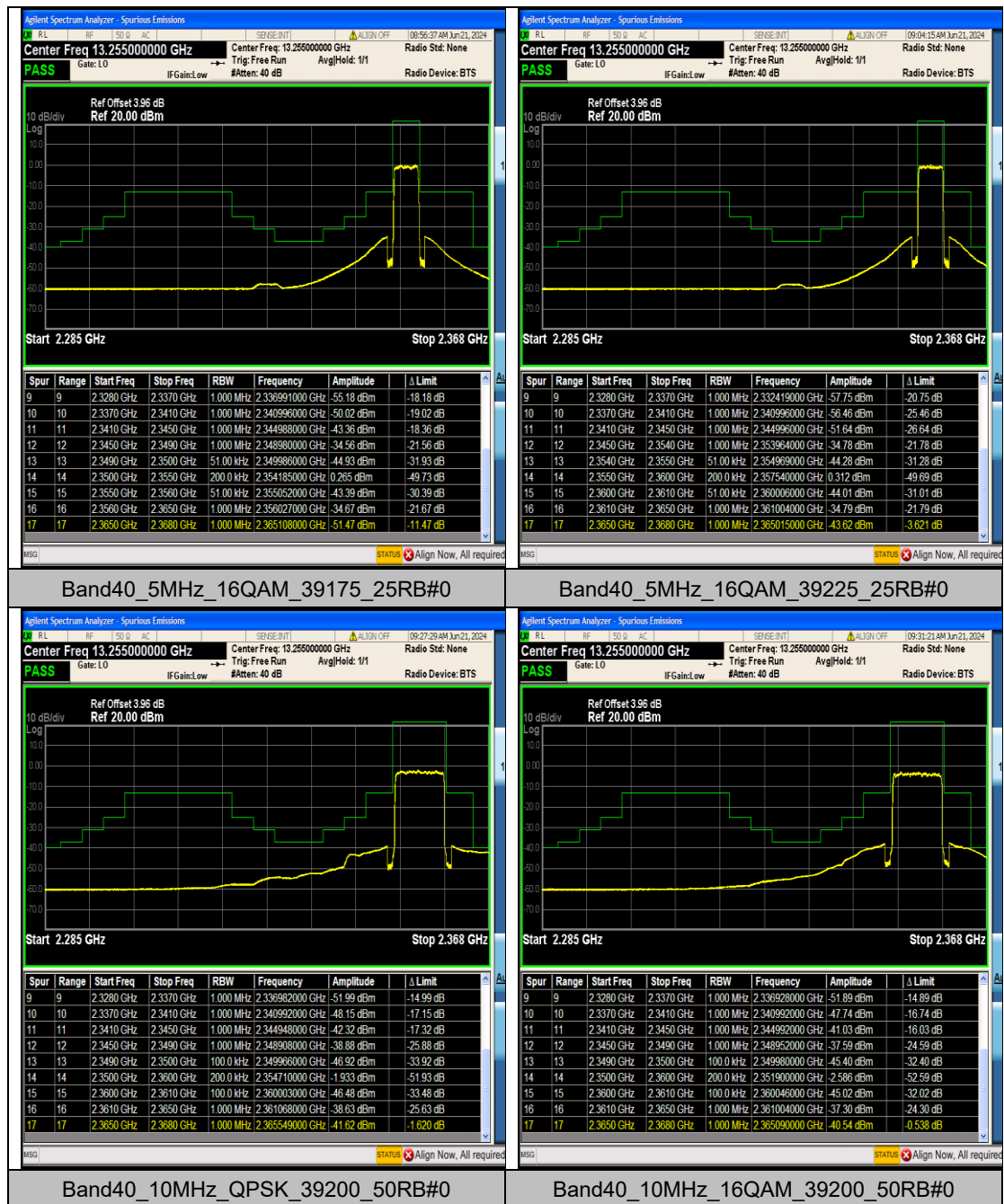
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	-53.64	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	-57.36	PASS
Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	-42.27	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	-42.51	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	-48.86	PASS
Band40(2305-2315)	10MHz	16QAM	38750	50RB#0	-50.03	PASS
Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	-50.73	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	-43.33	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	-51.47	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	-43.62	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	-41.62	PASS
Band40(2350-2360)	10MHz	16QAM	39200	50RB#0	-40.54	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	-84.95	PASS
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	0.15~30	-66.52	PASS
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	30~1000	-67.29	PASS
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	1000~3000	-47.50	PASS
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	3000~26500	-60.86	PASS
Band40(2305-2315)	5MHz	QPSK	38750	25RB#0	0.009~0.15	-81.91	PASS
Band40(2305-2315)	5MHz	QPSK	38750	25RB#0	0.15~30	-65.75	PASS
Band40(2305-2315)	5MHz	QPSK	38750	25RB#0	30~1000	-67.28	PASS
Band40(2305-2315)	5MHz	QPSK	38750	25RB#0	1000~3000	-46.95	PASS
Band40(2305-2315)	5MHz	QPSK	38750	25RB#0	3000~26500	-60.96	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	0.009~0.15	-70.35	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	0.15~30	-67.10	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	30~1000	-67.13	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	1000~3000	-46.80	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	3000~26500	-60.99	PASS
Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	0.009~0.15	-70.64	PASS
Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	0.15~30	-63.96	PASS
Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	30~1000	-66.96	PASS

Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	1000~3000	- 49.30	PASS
Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	3000~2650 0	- 60.91	PASS
Band40(2305-2315)	5MHz	16QAM	38750	25RB#0	0.009~0.15	- 84.27	PASS
Band40(2305-2315)	5MHz	16QAM	38750	25RB#0	0.15~30	- 66.65	PASS
Band40(2305-2315)	5MHz	16QAM	38750	25RB#0	30~1000	- 67.02	PASS
Band40(2305-2315)	5MHz	16QAM	38750	25RB#0	1000~3000	- 47.74	PASS
Band40(2305-2315)	5MHz	16QAM	38750	25RB#0	3000~2650 0	- 60.94	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	0.009~0.15	- 71.46	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	0.15~30	- 65.20	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	30~1000	- 67.02	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	1000~3000	- 47.97	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	3000~2650 0	- 60.73	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	0.009~0.15	- 70.15	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	0.15~30	- 66.97	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	30~1000	- 67.21	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	1000~3000	- 50.40	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	3000~2650 0	- 60.85	PASS
Band40(2305-2315)	10MHz	16QAM	38750	50RB#0	0.009~0.15	- 71.44	PASS
Band40(2305-2315)	10MHz	16QAM	38750	50RB#0	0.15~30	- 67.90	PASS
Band40(2305-2315)	10MHz	16QAM	38750	50RB#0	30~1000	- 67.01	PASS
Band40(2305-2315)	10MHz	16QAM	38750	50RB#0	1000~3000	- 51.67	PASS
Band40(2305-2315)	10MHz	16QAM	38750	50RB#0	3000~2650 0	- 61.08	PASS

Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	0.009~0.15	- 73.20	PASS
Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	0.15~30	- 67.76	PASS
Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	30~1000	- 66.99	PASS
Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	1000~3000	- 47.53	PASS
Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	3000~2650 0	- 61.05	PASS
Band40(2350-2360)	5MHz	QPSK	39200	25RB#0	0.009~0.15	- 72.28	PASS
Band40(2350-2360)	5MHz	QPSK	39200	25RB#0	0.15~30	- 67.14	PASS
Band40(2350-2360)	5MHz	QPSK	39200	25RB#0	30~1000	- 67.16	PASS
Band40(2350-2360)	5MHz	QPSK	39200	25RB#0	1000~3000	- 47.95	PASS
Band40(2350-2360)	5MHz	QPSK	39200	25RB#0	3000~2650 0	- 60.86	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	0.009~0.15	- 72.81	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	0.15~30	- 67.79	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	30~1000	- 67.13	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	1000~3000	- 48.36	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	3000~2650 0	- 61.02	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	0.009~0.15	- 74.98	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	0.15~30	- 66.35	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	30~1000	- 67.13	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	1000~3000	- 48.90	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	3000~2650 0	- 60.82	PASS
Band40(2350-2360)	5MHz	16QAM	39200	25RB#0	0.009~0.15	- 73.84	PASS
Band40(2350-2360)	5MHz	16QAM	39200	25RB#0	0.15~30	- 66.96	PASS

Band40(2350-2360)	5MHz	16QAM	39200	25RB#0	30~1000	- 67.01	PASS
Band40(2350-2360)	5MHz	16QAM	39200	25RB#0	1000~3000	- 49.61	PASS
Band40(2350-2360)	5MHz	16QAM	39200	25RB#0	3000~2650 0	- 60.95	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	0.009~0.15	- 73.43	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	0.15~30	- 63.97	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	30~1000	- 66.98	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	1000~3000	- 50.10	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	3000~2650 0	- 61.05	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	0.009~0.15	- 74.50	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	0.15~30	- 67.08	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	30~1000	- 67.20	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	1000~3000	- 50.91	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	3000~2650 0	- 61.00	PASS
Band40(2350-2360)	10MHz	16QAM	39200	50RB#0	0.009~0.15	- 75.79	PASS
Band40(2350-2360)	10MHz	16QAM	39200	50RB#0	0.15~30	- 65.97	PASS
Band40(2350-2360)	10MHz	16QAM	39200	50RB#0	30~1000	- 67.19	PASS
Band40(2350-2360)	10MHz	16QAM	39200	50RB#0	1000~3000	- 52.20	PASS
Band40(2350-2360)	10MHz	16QAM	39200	50RB#0	3000~2650 0	- 60.87	PASS

Test Graphs

