

FCC LTE Band Test Data

FCC ID : **2BG6D-SDM660**

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

EUT : **Wireless Carplay Box**

Model Number : **SDM660**

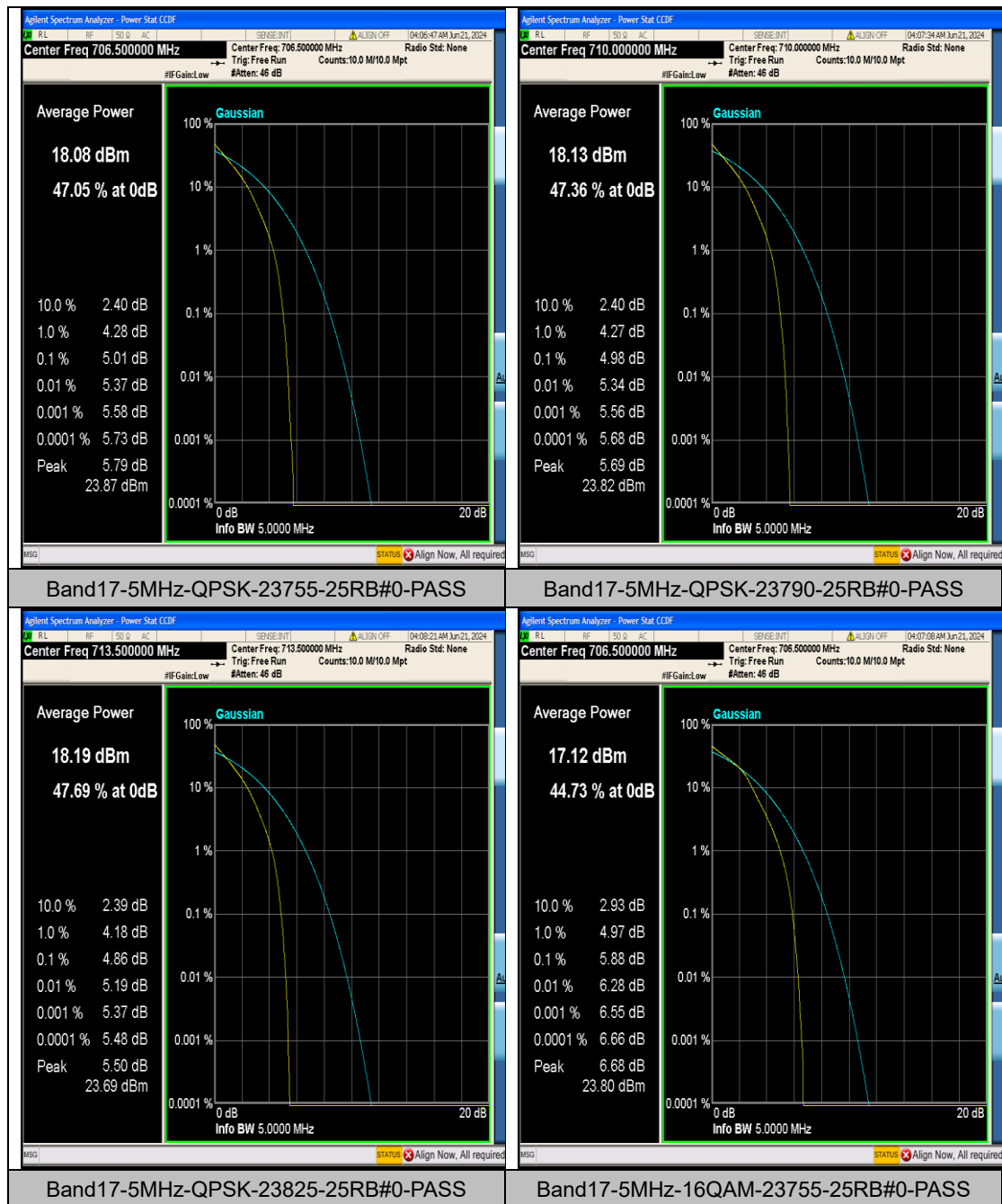
Reviewed By : **Eric Wang**

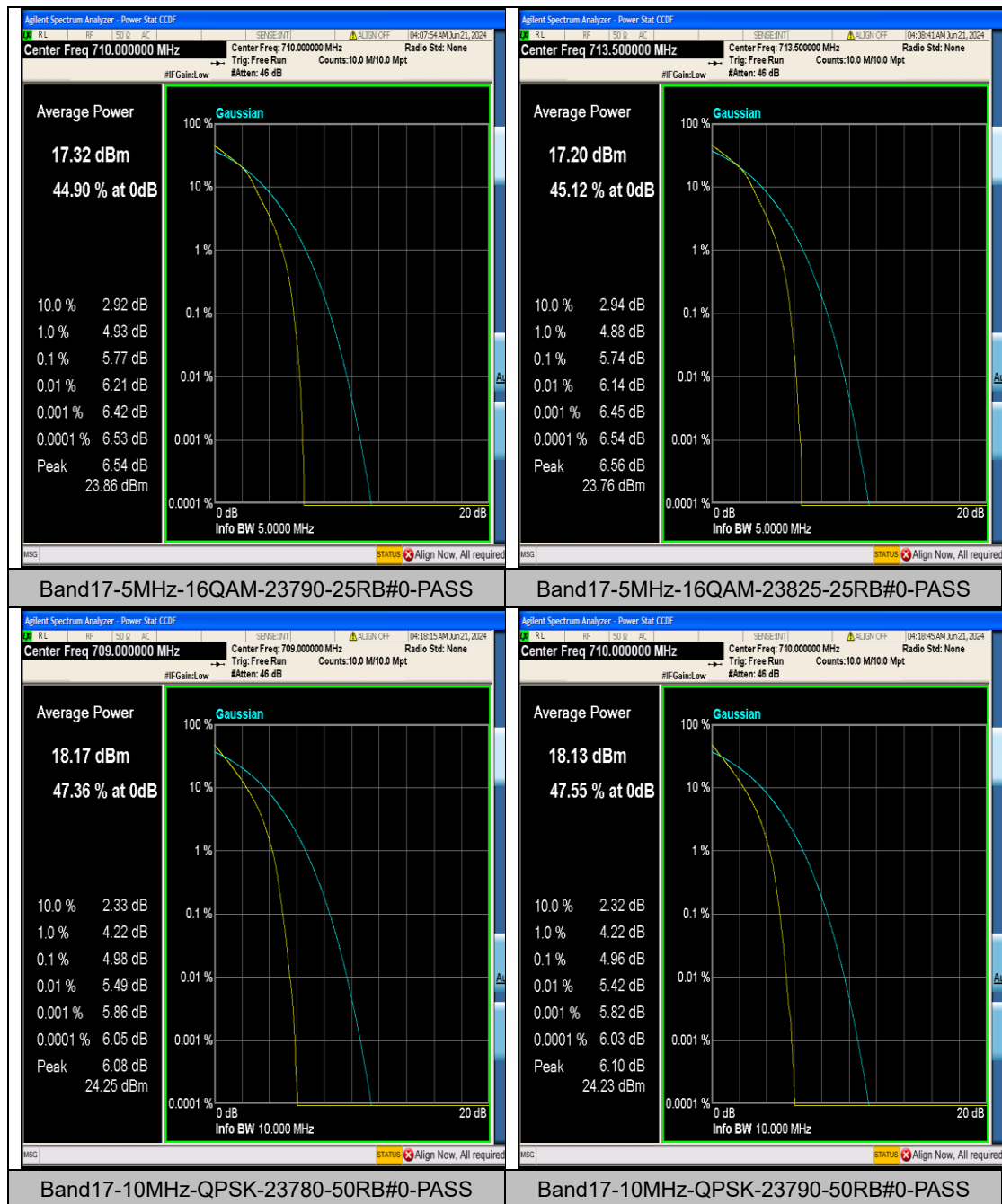
Appendix B: Peak-to-Average Ratio(CCDF)

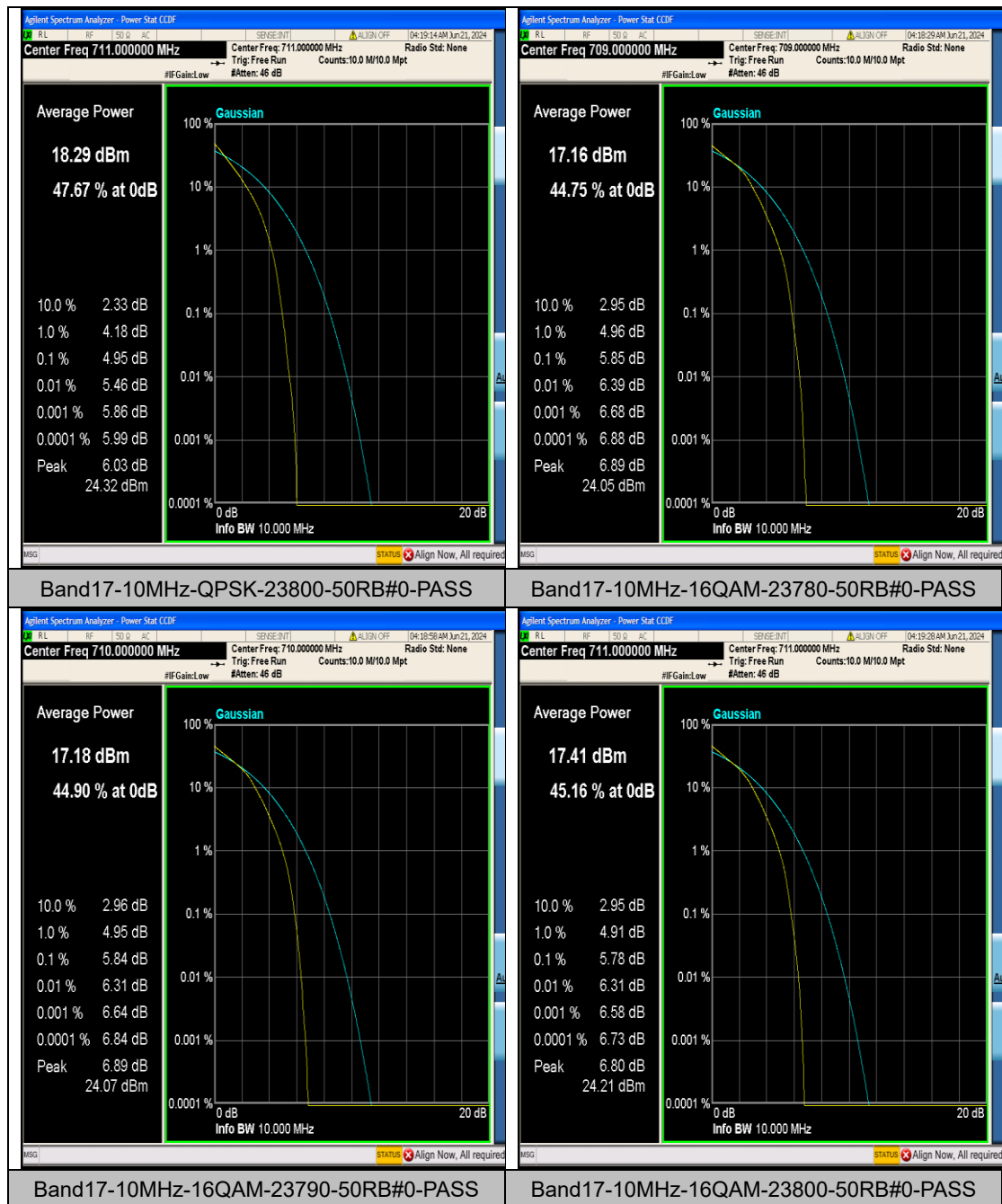
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	5.01	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.98	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.86	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	5.88	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	5.77	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.74	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	4.98	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	4.96	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	4.95	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.85	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.84	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.78	13	PASS

Test Graphs





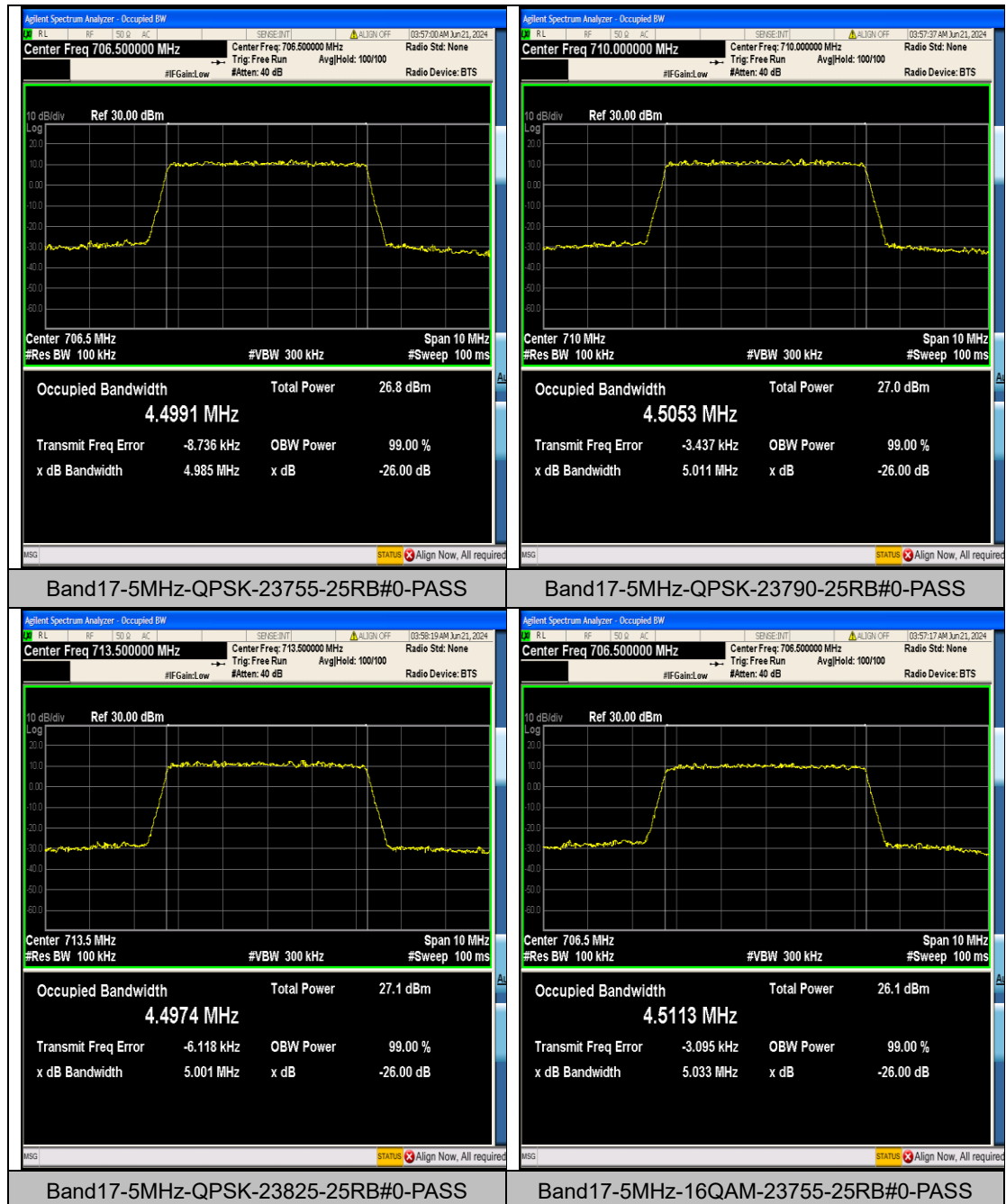


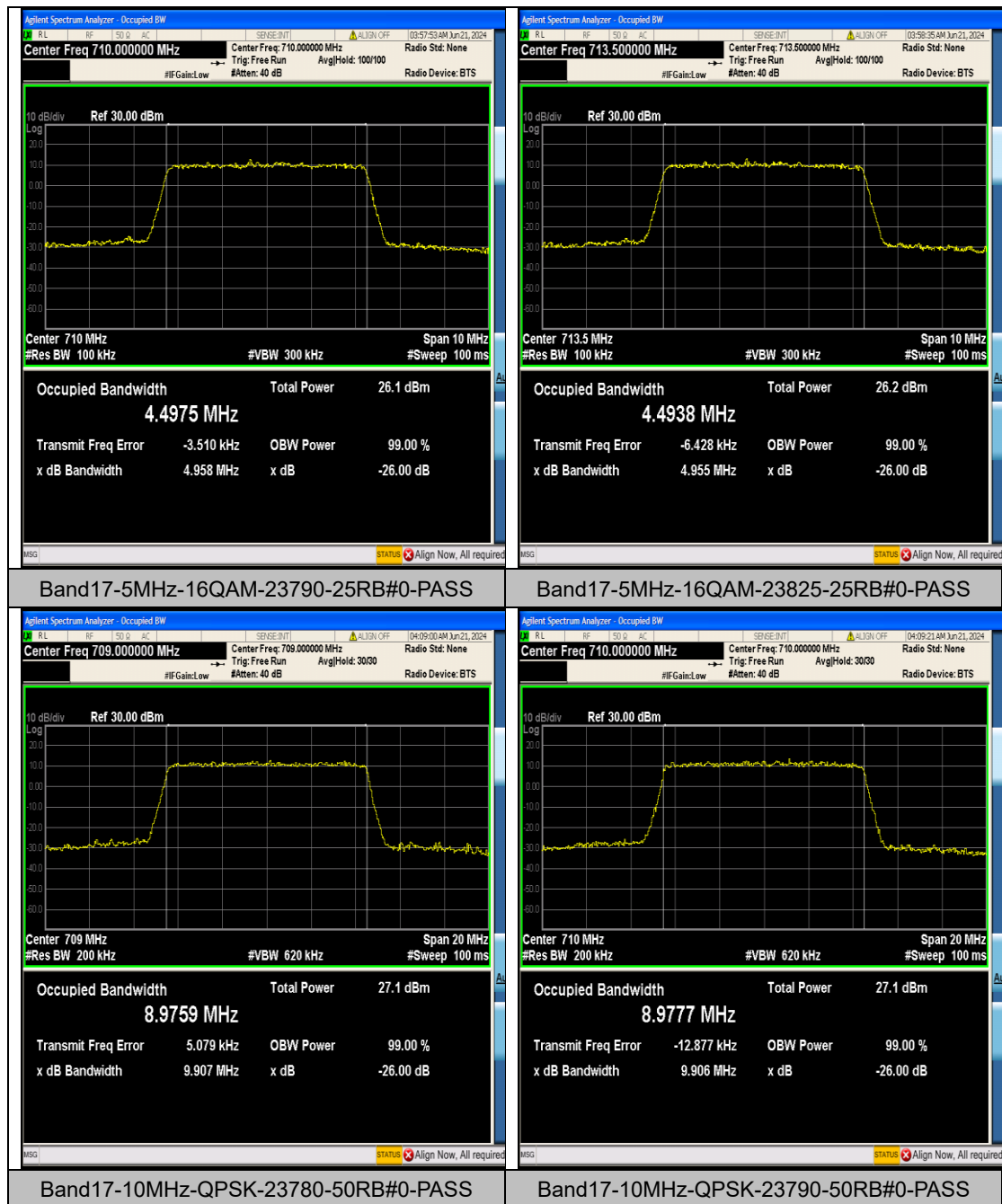
Appendix C: 26dB Bandwidth and Occupied Bandwidth

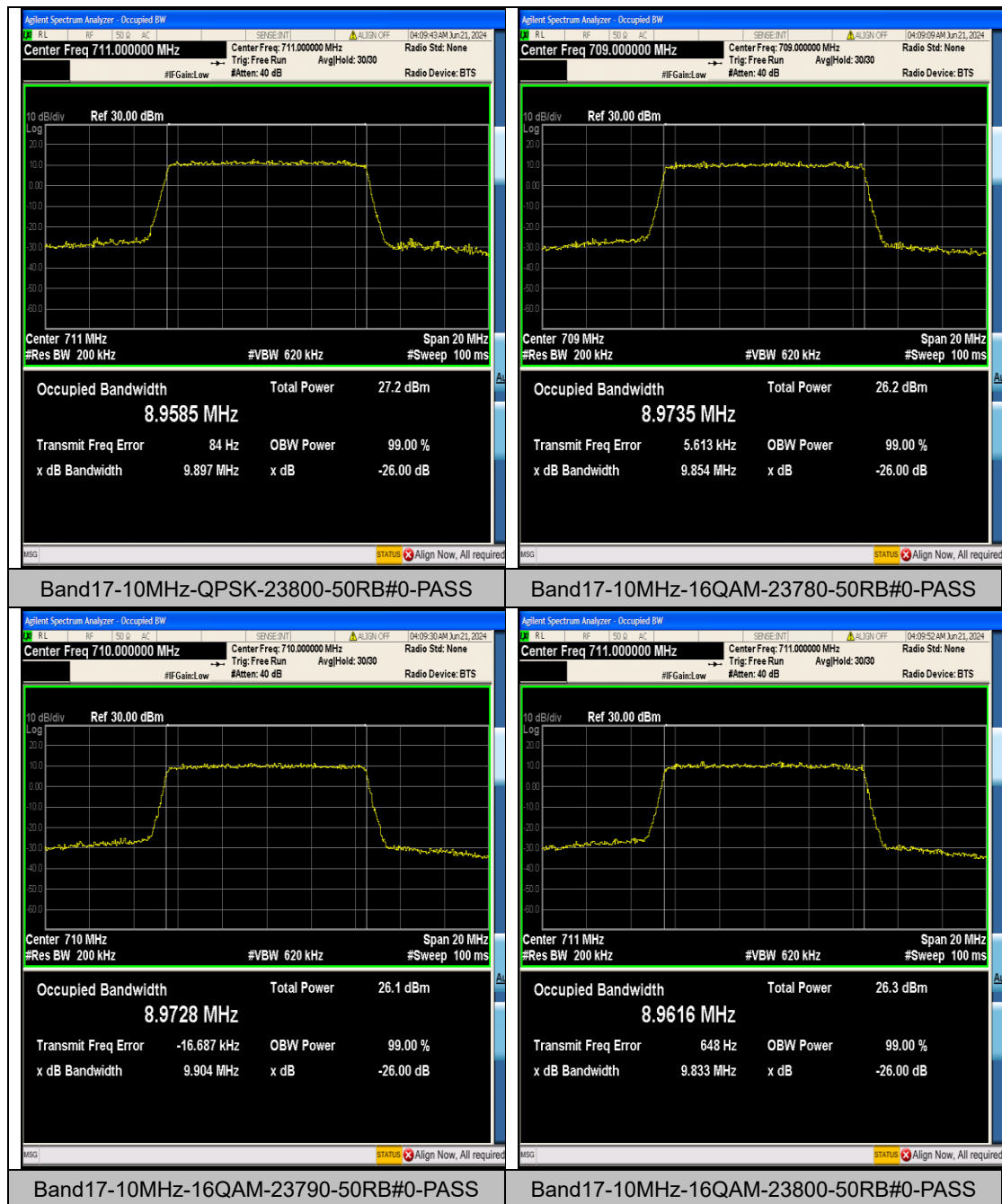
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.4991	4.985	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5053	5.011	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4974	5.001	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5113	5.033	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.4975	4.958	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.4938	4.955	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9759	9.907	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9777	9.906	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9585	9.897	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9735	9.854	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9728	9.904	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9616	9.833	PASS

Test Graphs





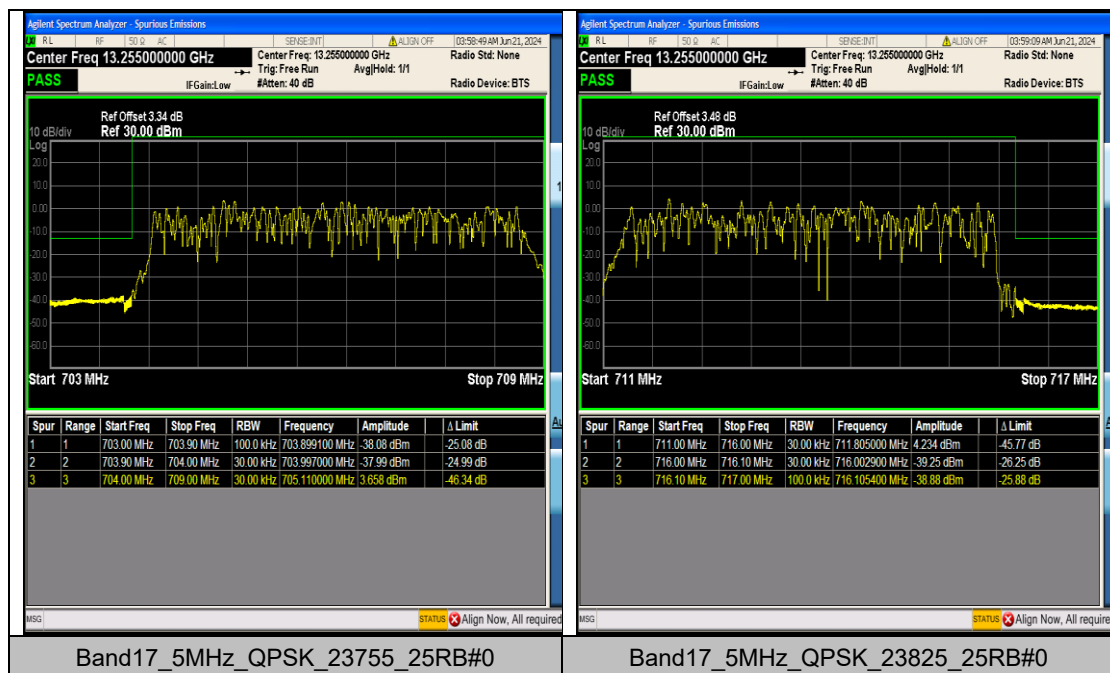


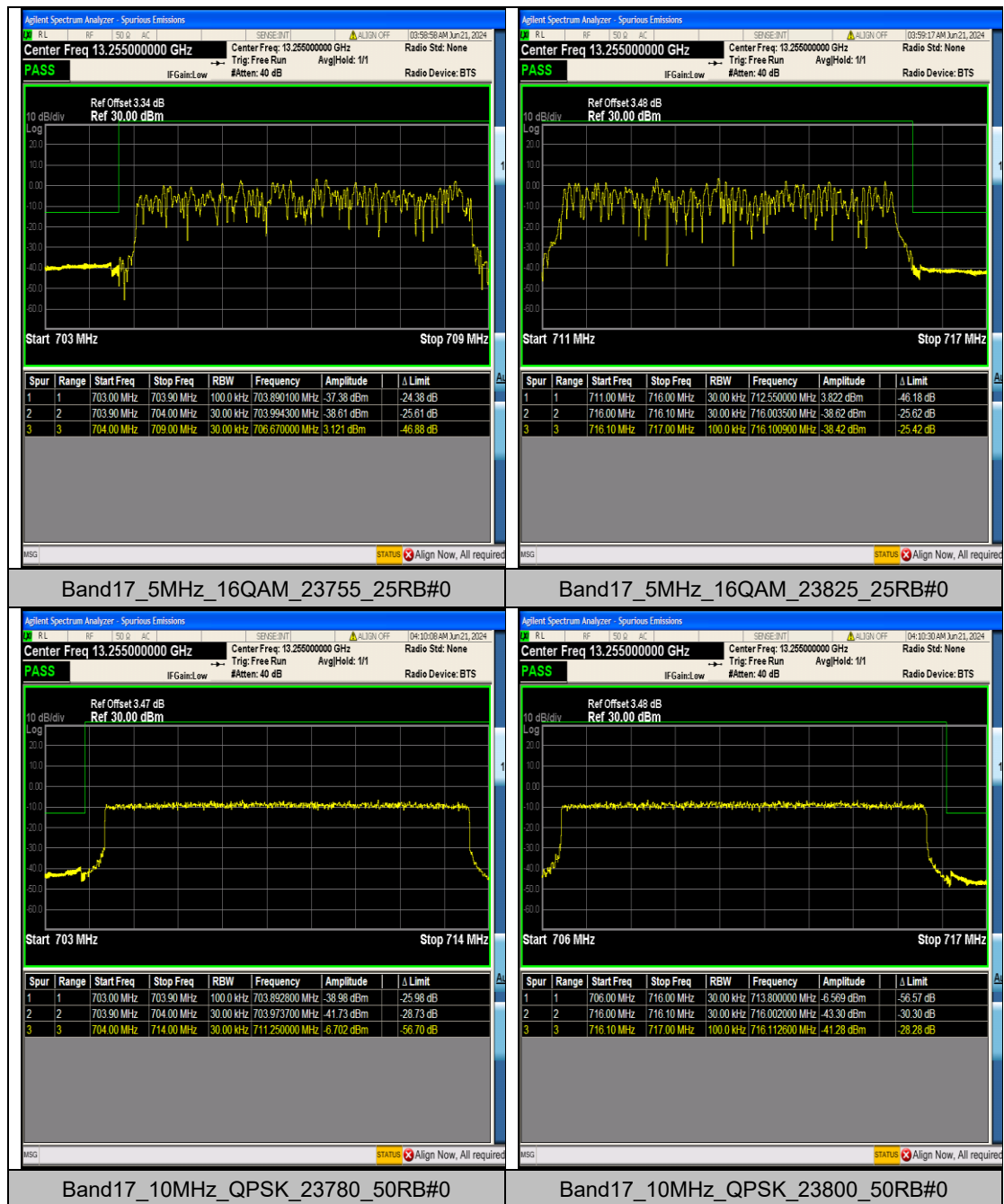
Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	-37.99	PASS
Band17	5MHz	QPSK	23825	25RB#0	-38.88	PASS
Band17	5MHz	16QAM	23755	25RB#0	-37.38	PASS
Band17	5MHz	16QAM	23825	25RB#0	-38.42	PASS
Band17	10MHz	QPSK	23780	50RB#0	-38.98	PASS
Band17	10MHz	QPSK	23800	50RB#0	-41.28	PASS
Band17	10MHz	16QAM	23780	50RB#0	-39.70	PASS
Band17	10MHz	16QAM	23800	50RB#0	-41.71	PASS

Test Graphs





Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	0.009~0.15	-46.66	PASS
Band17	5MHz	QPSK	23755	25RB#0	0.15~30	-58.44	PASS
Band17	5MHz	QPSK	23755	25RB#0	30~1000	-59.52	PASS
Band17	5MHz	QPSK	23755	25RB#0	1000~3000	-52.74	PASS
Band17	5MHz	QPSK	23755	25RB#0	3000~10000	-49.63	PASS
Band17	5MHz	QPSK	23790	25RB#0	0.009~0.15	-46.86	PASS
Band17	5MHz	QPSK	23790	25RB#0	0.15~30	-58.22	PASS
Band17	5MHz	QPSK	23790	25RB#0	30~1000	-58.34	PASS
Band17	5MHz	QPSK	23790	25RB#0	1000~3000	-52.58	PASS
Band17	5MHz	QPSK	23790	25RB#0	3000~10000	-49.68	PASS
Band17	5MHz	QPSK	23825	25RB#0	0.009~0.15	-49.44	PASS
Band17	5MHz	QPSK	23825	25RB#0	0.15~30	-58.37	PASS
Band17	5MHz	QPSK	23825	25RB#0	30~1000	-58.27	PASS
Band17	5MHz	QPSK	23825	25RB#0	1000~3000	-52.59	PASS
Band17	5MHz	QPSK	23825	25RB#0	3000~10000	-49.80	PASS
Band17	5MHz	16QAM	23755	25RB#0	0.009~0.15	-47.02	PASS
Band17	5MHz	16QAM	23755	25RB#0	0.15~30	-58.69	PASS
Band17	5MHz	16QAM	23755	25RB#0	30~1000	-61.15	PASS
Band17	5MHz	16QAM	23755	25RB#0	1000~3000	-52.45	PASS
Band17	5MHz	16QAM	23755	25RB#0	3000~10000	-49.69	PASS
Band17	5MHz	16QAM	23790	25RB#0	0.009~0.15	-48.56	PASS
Band17	5MHz	16QAM	23790	25RB#0	0.15~30	-56.10	PASS
Band17	5MHz	16QAM	23790	25RB#0	30~1000	-60.03	PASS
Band17	5MHz	16QAM	23790	25RB#0	1000~3000	-52.46	PASS
Band17	5MHz	16QAM	23790	25RB#0	3000~10000	-49.83	PASS
Band17	5MHz	16QAM	23825	25RB#0	0.009~0.15	-46.46	PASS
Band17	5MHz	16QAM	23825	25RB#0	0.15~30	-59.87	PASS
Band17	5MHz	16QAM	23825	25RB#0	30~1000	-61.04	PASS
Band17	5MHz	16QAM	23825	25RB#0	1000~3000	-52.61	PASS
Band17	5MHz	16QAM	23825	25RB#0	3000~10000	-49.87	PASS
Band17	10MHz	QPSK	23780	50RB#0	0.009~0.15	-49.75	PASS
Band17	10MHz	QPSK	23780	50RB#0	0.15~30	-58.63	PASS
Band17	10MHz	QPSK	23780	50RB#0	30~1000	-66.78	PASS
Band17	10MHz	QPSK	23780	50RB#0	1000~3000	-52.61	PASS
Band17	10MHz	QPSK	23780	50RB#0	3000~10000	-49.73	PASS
Band17	10MHz	QPSK	23790	50RB#0	0.009~0.15	-46.85	PASS

Band17	10MHz	QPSK	23790	50RB#0	0.15~30	-59.67	PASS
Band17	10MHz	QPSK	23790	50RB#0	30~1000	-66.72	PASS
Band17	10MHz	QPSK	23790	50RB#0	1000~3000	-52.61	PASS
Band17	10MHz	QPSK	23790	50RB#0	3000~10000	-50.03	PASS
Band17	10MHz	QPSK	23800	50RB#0	0.009~0.15	-46.09	PASS
Band17	10MHz	QPSK	23800	50RB#0	0.15~30	-59.21	PASS
Band17	10MHz	QPSK	23800	50RB#0	30~1000	-66.56	PASS
Band17	10MHz	QPSK	23800	50RB#0	1000~3000	-52.52	PASS
Band17	10MHz	QPSK	23800	50RB#0	3000~10000	-48.94	PASS
Band17	10MHz	16QAM	23780	50RB#0	0.009~0.15	-50.05	PASS
Band17	10MHz	16QAM	23780	50RB#0	0.15~30	-59.06	PASS
Band17	10MHz	16QAM	23780	50RB#0	30~1000	-66.71	PASS
Band17	10MHz	16QAM	23780	50RB#0	1000~3000	-52.65	PASS
Band17	10MHz	16QAM	23780	50RB#0	3000~10000	-50.05	PASS
Band17	10MHz	16QAM	23790	50RB#0	0.009~0.15	-51.78	PASS
Band17	10MHz	16QAM	23790	50RB#0	0.15~30	-59.52	PASS
Band17	10MHz	16QAM	23790	50RB#0	30~1000	-66.54	PASS
Band17	10MHz	16QAM	23790	50RB#0	1000~3000	-52.84	PASS
Band17	10MHz	16QAM	23790	50RB#0	3000~10000	-49.91	PASS
Band17	10MHz	16QAM	23800	50RB#0	0.009~0.15	-49.51	PASS
Band17	10MHz	16QAM	23800	50RB#0	0.15~30	-57.93	PASS
Band17	10MHz	16QAM	23800	50RB#0	30~1000	-66.59	PASS
Band17	10MHz	16QAM	23800	50RB#0	1000~3000	-52.61	PASS
Band17	10MHz	16QAM	23800	50RB#0	3000~10000	-50.00	PASS

Test Graphs

