

FCC Appendix RF Test Data for LTE

FCC ID : 2AU3D-RCAPRIME

Company: : United Creation Technology Corp.,Ltd

EUT : 4G smart phone

Model Number : Prime

Report No. : CTA25040200708

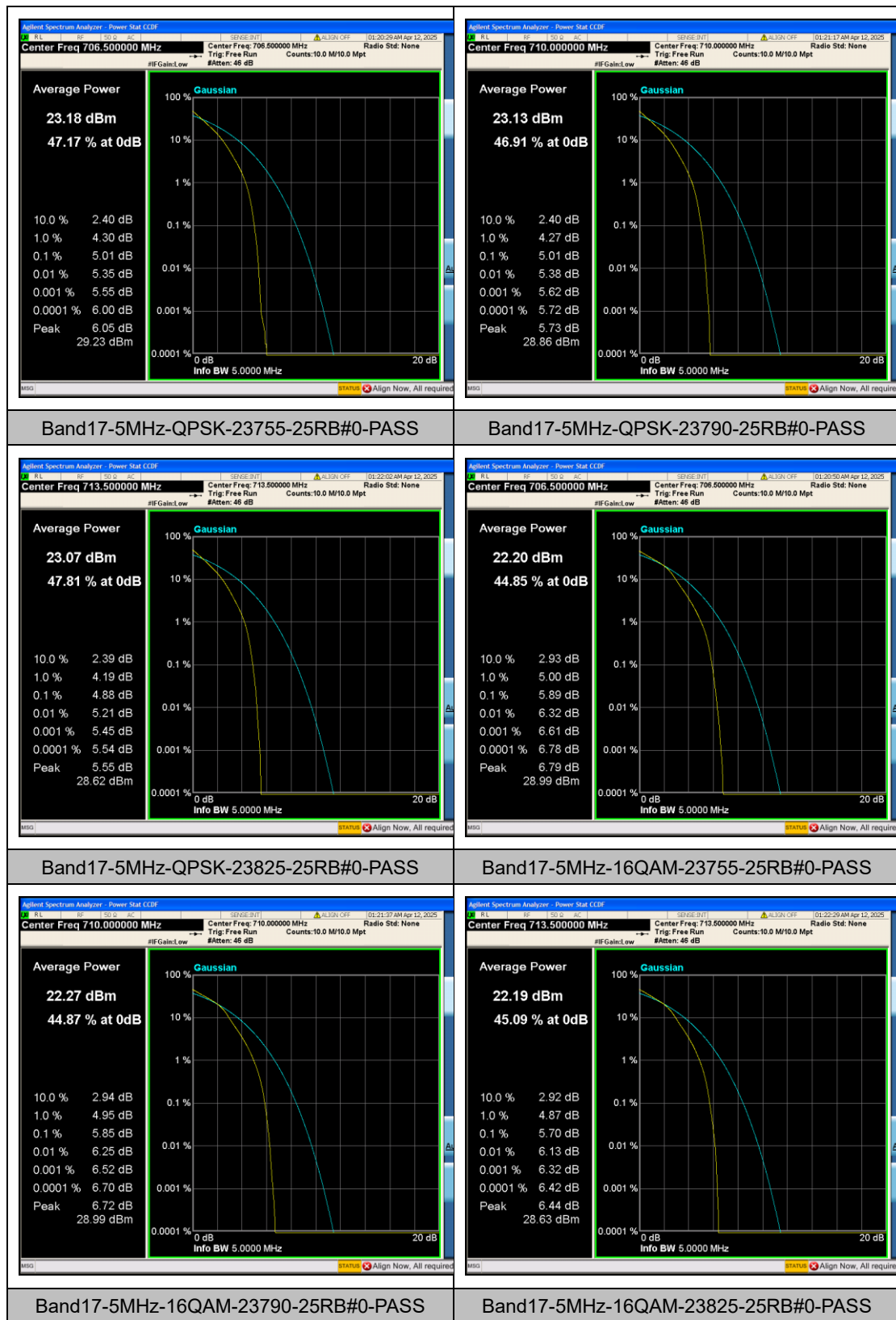
Reviewed By : Eric Wang

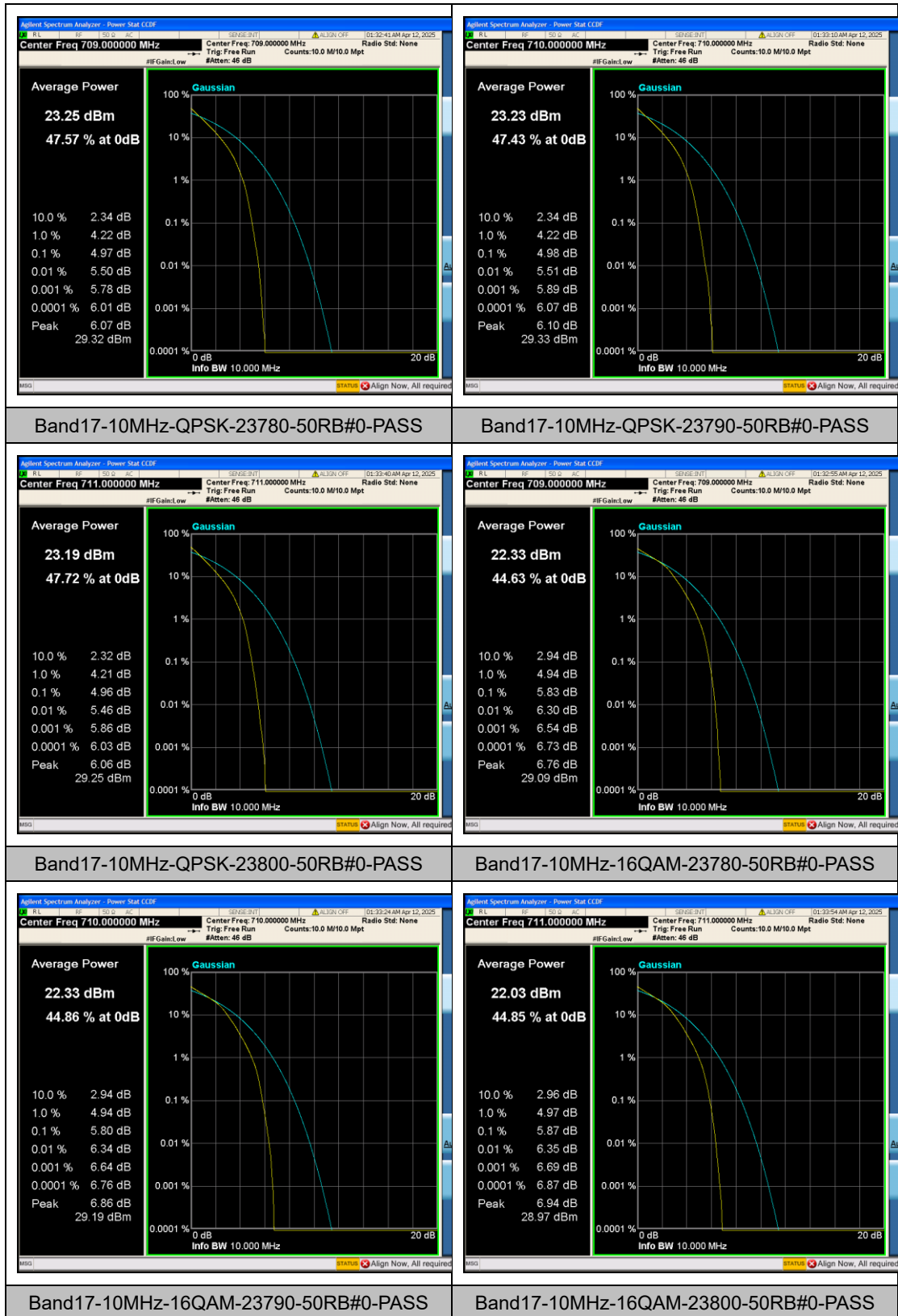
Appendix B: Peak-to-Average Ratio(CCDF)

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	5.01	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.88	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	5.89	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	5.85	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.70	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	4.97	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	4.98	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	4.96	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.83	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.80	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.87	13	PASS

Test Graphs



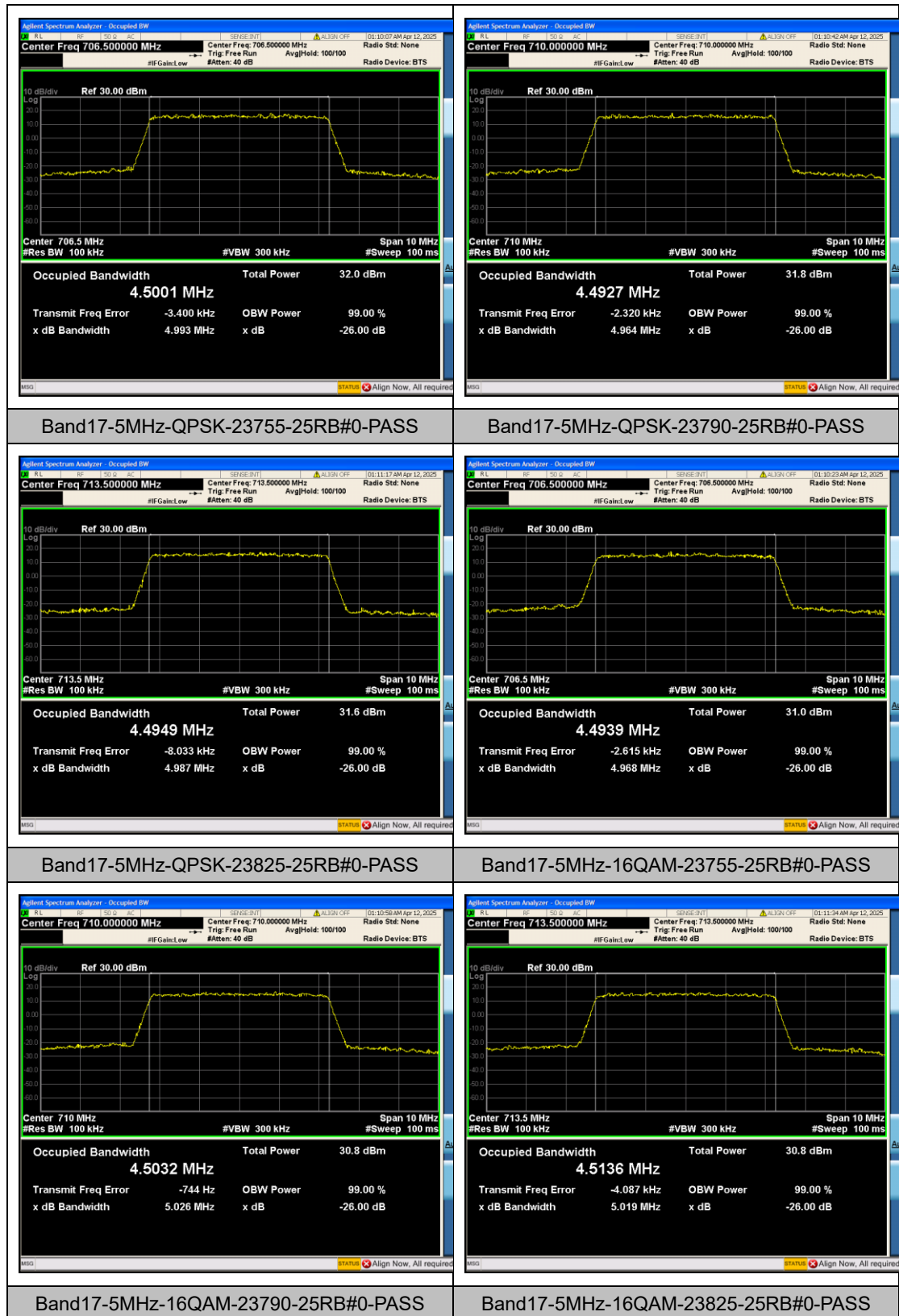


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5001	4.993	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4927	4.964	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4949	4.987	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4939	4.968	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5032	5.026	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5136	5.019	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9755	9.906	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9762	9.943	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9515	9.834	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9703	9.811	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9572	9.886	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9548	9.868	PASS

Test Graphs





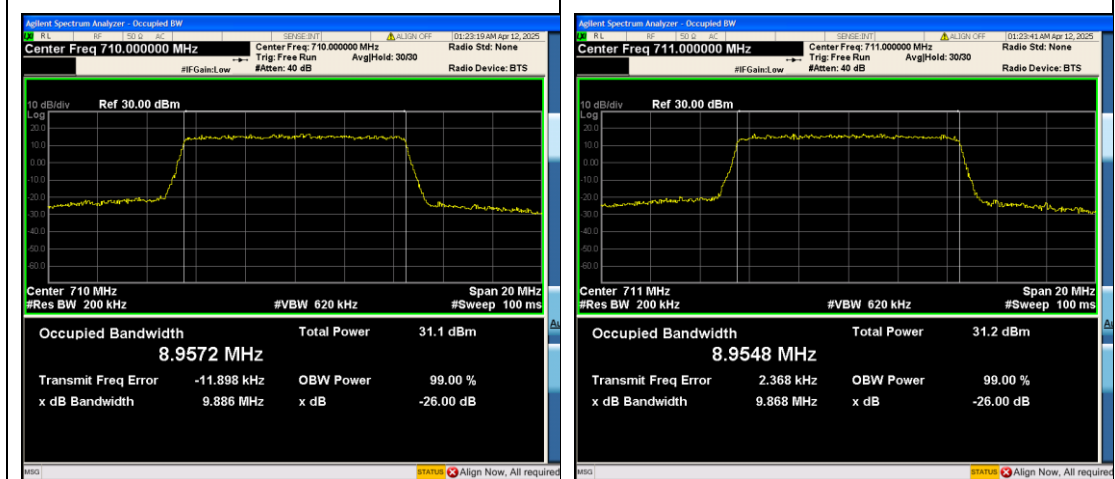
Band17-10MHz-QPSK-23780-50RB#0-PASS

Band17-10MHz-QPSK-23790-50RB#0-PASS



Band17-10MHz-QPSK-23800-50RB#0-PASS

Band17-10MHz-16QAM-23780-50RB#0-PASS



Band17-10MHz-16QAM-23790-50RB#0-PASS

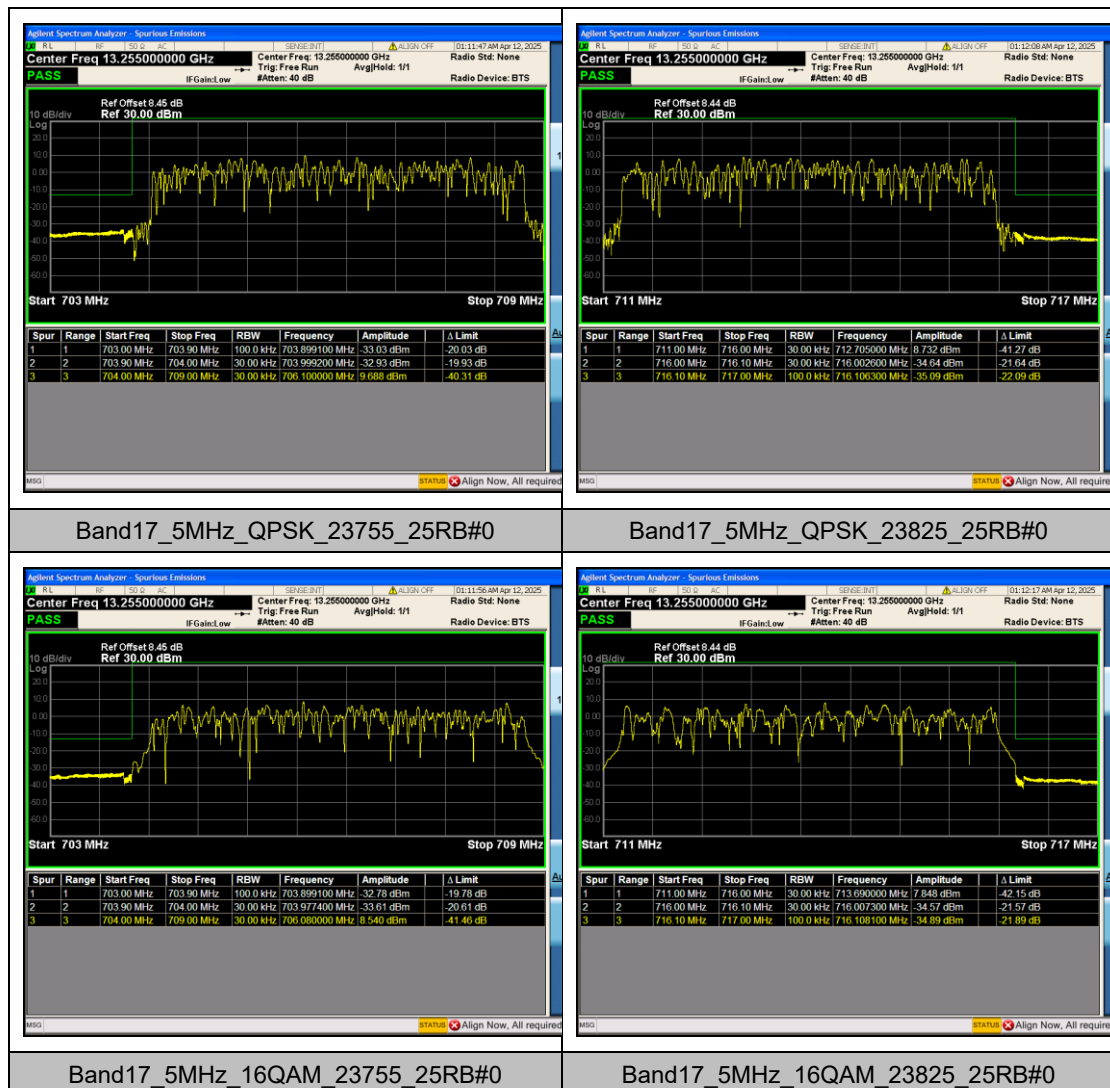
Band17-10MHz-16QAM-23800-50RB#0-PASS

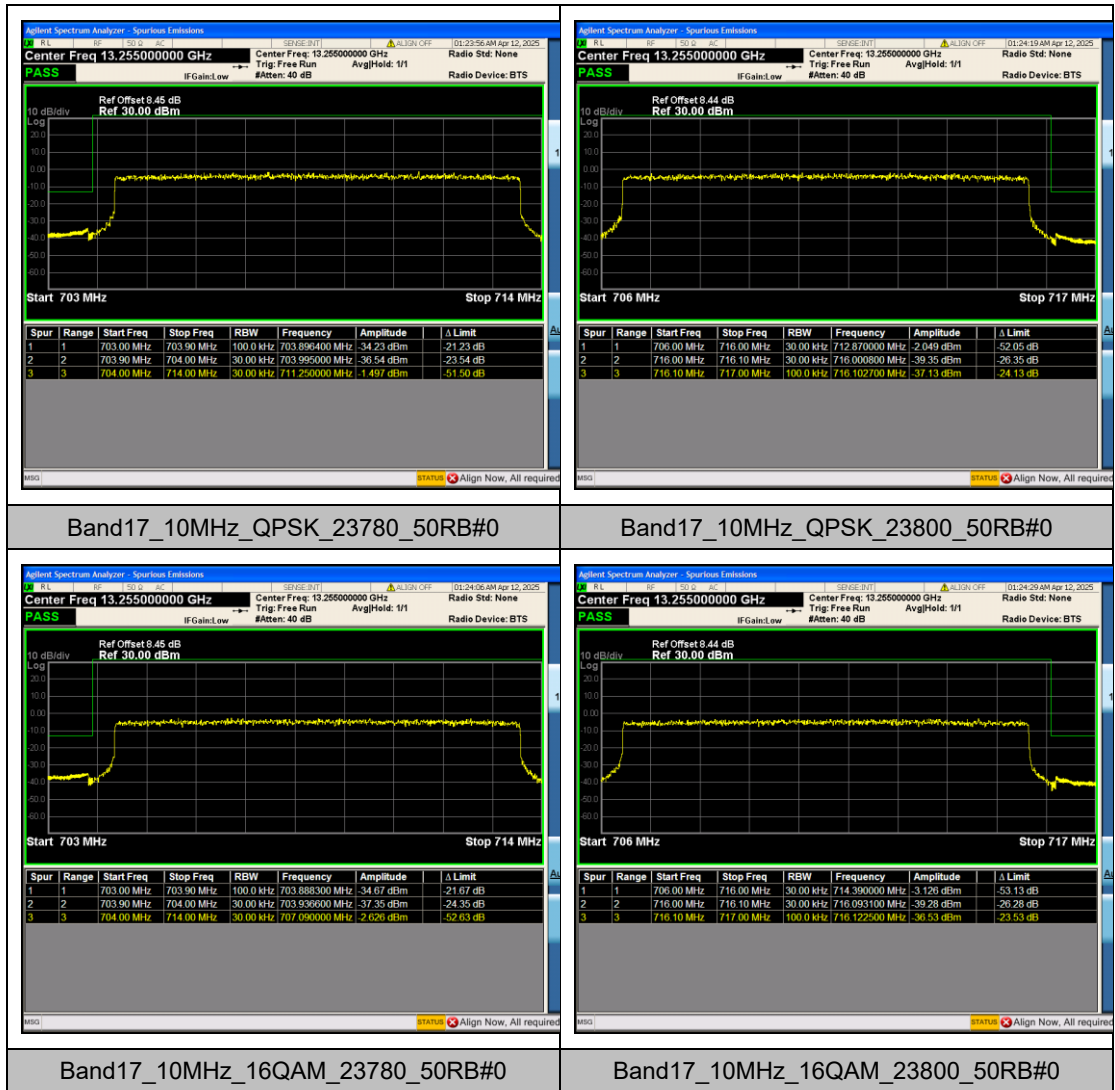
Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	-32.93	PASS
Band17	5MHz	QPSK	23825	25RB#0	-34.64	PASS
Band17	5MHz	16QAM	23755	25RB#0	-32.78	PASS
Band17	5MHz	16QAM	23825	25RB#0	-34.57	PASS
Band17	10MHz	QPSK	23780	50RB#0	-34.23	PASS
Band17	10MHz	QPSK	23800	50RB#0	-37.13	PASS
Band17	10MHz	16QAM	23780	50RB#0	-34.67	PASS
Band17	10MHz	16QAM	23800	50RB#0	-36.53	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	-39.11	PASS
Band17	5MHz	QPSK	23755	25RB#0	0.15~30	-52.49	PASS
Band17	5MHz	QPSK	23755	25RB#0	30~1000	-54.49	PASS
Band17	5MHz	QPSK	23755	25RB#0	1000~3000	-47.09	PASS
Band17	5MHz	QPSK	23755	25RB#0	3000~10000	-43.81	PASS
Band17	5MHz	QPSK	23790	25RB#0	0.009~0.15	-42.19	PASS
Band17	5MHz	QPSK	23790	25RB#0	0.15~30	-52.57	PASS
Band17	5MHz	QPSK	23790	25RB#0	30~1000	-53.58	PASS
Band17	5MHz	QPSK	23790	25RB#0	1000~3000	-46.97	PASS
Band17	5MHz	QPSK	23790	25RB#0	3000~10000	-44.19	PASS
Band17	5MHz	QPSK	23825	25RB#0	0.009~0.15	-40.86	PASS
Band17	5MHz	QPSK	23825	25RB#0	0.15~30	-54.38	PASS
Band17	5MHz	QPSK	23825	25RB#0	30~1000	-52.94	PASS
Band17	5MHz	QPSK	23825	25RB#0	1000~3000	-47.24	PASS
Band17	5MHz	QPSK	23825	25RB#0	3000~10000	-44.15	PASS
Band17	5MHz	16QAM	23755	25RB#0	0.009~0.15	-40.75	PASS
Band17	5MHz	16QAM	23755	25RB#0	0.15~30	-53.08	PASS
Band17	5MHz	16QAM	23755	25RB#0	30~1000	-56.47	PASS
Band17	5MHz	16QAM	23755	25RB#0	1000~3000	-46.67	PASS
Band17	5MHz	16QAM	23755	25RB#0	3000~10000	-44.01	PASS
Band17	5MHz	16QAM	23790	25RB#0	0.009~0.15	-44.12	PASS
Band17	5MHz	16QAM	23790	25RB#0	0.15~30	-52.64	PASS
Band17	5MHz	16QAM	23790	25RB#0	30~1000	-55.03	PASS
Band17	5MHz	16QAM	23790	25RB#0	1000~3000	-46.98	PASS
Band17	5MHz	16QAM	23790	25RB#0	3000~10000	-44.00	PASS
Band17	5MHz	16QAM	23825	25RB#0	0.009~0.15	-43.65	PASS
Band17	5MHz	16QAM	23825	25RB#0	0.15~30	-54.96	PASS
Band17	5MHz	16QAM	23825	25RB#0	30~1000	-55.69	PASS
Band17	5MHz	16QAM	23825	25RB#0	1000~3000	-46.69	PASS
Band17	5MHz	16QAM	23825	25RB#0	3000~10000	-44.00	PASS
Band17	10MHz	QPSK	23780	50RB#0	0.009~0.15	-40.95	PASS
Band17	10MHz	QPSK	23780	50RB#0	0.15~30	-54.96	PASS
Band17	10MHz	QPSK	23780	50RB#0	30~1000	-61.61	PASS
Band17	10MHz	QPSK	23780	50RB#0	1000~3000	-46.06	PASS
Band17	10MHz	QPSK	23780	50RB#0	3000~10000	-43.80	PASS
Band17	10MHz	QPSK	23790	50RB#0	0.009~0.15	-44.31	PASS

Band17	10MHz	QPSK	23790	50RB#0	0.15~30	-53.25	PASS
Band17	10MHz	QPSK	23790	50RB#0	30~1000	-61.74	PASS
Band17	10MHz	QPSK	23790	50RB#0	1000~3000	-46.21	PASS
Band17	10MHz	QPSK	23790	50RB#0	3000~10000	-44.02	PASS
Band17	10MHz	QPSK	23800	50RB#0	0.009~0.15	-41.51	PASS
Band17	10MHz	QPSK	23800	50RB#0	0.15~30	-52.78	PASS
Band17	10MHz	QPSK	23800	50RB#0	30~1000	-61.67	PASS
Band17	10MHz	QPSK	23800	50RB#0	1000~3000	-46.65	PASS
Band17	10MHz	QPSK	23800	50RB#0	3000~10000	-43.34	PASS
Band17	10MHz	16QAM	23780	50RB#0	0.009~0.15	-41.11	PASS
Band17	10MHz	16QAM	23780	50RB#0	0.15~30	-55.19	PASS
Band17	10MHz	16QAM	23780	50RB#0	30~1000	-61.63	PASS
Band17	10MHz	16QAM	23780	50RB#0	1000~3000	-46.92	PASS
Band17	10MHz	16QAM	23780	50RB#0	3000~10000	-44.15	PASS
Band17	10MHz	16QAM	23790	50RB#0	0.009~0.15	-41.05	PASS
Band17	10MHz	16QAM	23790	50RB#0	0.15~30	-53.24	PASS
Band17	10MHz	16QAM	23790	50RB#0	30~1000	-61.55	PASS
Band17	10MHz	16QAM	23790	50RB#0	1000~3000	-46.95	PASS
Band17	10MHz	16QAM	23790	50RB#0	3000~10000	-43.18	PASS
Band17	10MHz	16QAM	23800	50RB#0	0.009~0.15	-44.78	PASS
Band17	10MHz	16QAM	23800	50RB#0	0.15~30	-54.06	PASS
Band17	10MHz	16QAM	23800	50RB#0	30~1000	-61.64	PASS
Band17	10MHz	16QAM	23800	50RB#0	1000~3000	-46.84	PASS
Band17	10MHz	16QAM	23800	50RB#0	3000~10000	-43.43	PASS

Test Graphs

