

Appendix for LTE BAND 17

Product Name: Mobile Phone

Model No: IDOL

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	22.10	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.13	PASS
Band17	5MHz	QPSK	23755	1RB#12	22.10	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.08	PASS
Band17	5MHz	QPSK	23755	1RB#24	22.19	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.10	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.12	PASS
Band17	5MHz	16QAM	23755	12RB#0	22.11	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.16	PASS
Band17	5MHz	16QAM	23755	12RB#6	22.15	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.15	PASS
Band17	5MHz	16QAM	23755	12RB#13	22.15	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.15	PASS
Band17	5MHz	16QAM	23755	25RB#0	22.14	PASS
Band17	5MHz	QPSK	23790	1RB#0	22.08	PASS
Band17	5MHz	16QAM	23790	1RB#0	21.71	PASS
Band17	5MHz	QPSK	23790	1RB#12	22.18	PASS
Band17	5MHz	16QAM	23790	1RB#12	21.72	PASS
Band17	5MHz	QPSK	23790	1RB#24	22.13	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.05	PASS
Band17	5MHz	QPSK	23790	12RB#0	21.52	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.09	PASS
Band17	5MHz	QPSK	23790	12RB#6	21.63	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.06	PASS
Band17	5MHz	QPSK	23790	12RB#13	21.99	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.05	PASS
Band17	5MHz	QPSK	23790	25RB#0	21.64	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.05	PASS
Band17	5MHz	QPSK	23825	1RB#0	22.10	PASS
Band17	5MHz	16QAM	23825	1RB#0	21.54	PASS
Band17	5MHz	QPSK	23825	1RB#12	22.20	PASS
Band17	5MHz	16QAM	23825	1RB#12	21.42	PASS
Band17	5MHz	QPSK	23825	1RB#24	22.19	PASS
Band17	5MHz	16QAM	23825	1RB#24	21.62	PASS
Band17	5MHz	QPSK	23825	12RB#0	21.92	PASS
Band17	5MHz	16QAM	23825	12RB#0	20.92	PASS

Band17	5MHz	QPSK	23825	12RB#6	22.04	PASS
Band17	5MHz	16QAM	23825	12RB#6	20.94	PASS
Band17	5MHz	QPSK	23825	12RB#13	21.79	PASS
Band17	5MHz	16QAM	23825	12RB#13	20.74	PASS
Band17	5MHz	QPSK	23825	25RB#0	21.83	PASS
Band17	5MHz	16QAM	23825	25RB#0	20.85	PASS
Band17	10MHz	QPSK	23780	1RB#0	22.15	PASS
Band17	10MHz	16QAM	23780	1RB#0	21.72	PASS
Band17	10MHz	QPSK	23780	1RB#24	22.04	PASS
Band17	10MHz	16QAM	23780	1RB#24	21.71	PASS
Band17	10MHz	QPSK	23780	1RB#49	22.14	PASS
Band17	10MHz	16QAM	23780	1RB#49	21.74	PASS
Band17	10MHz	QPSK	23780	25RB#0	21.66	PASS
Band17	10MHz	16QAM	23780	25RB#0	20.70	PASS
Band17	10MHz	QPSK	23780	25RB#12	21.69	PASS
Band17	10MHz	16QAM	23780	25RB#12	20.64	PASS
Band17	10MHz	QPSK	23780	25RB#25	21.91	PASS
Band17	10MHz	16QAM	23780	25RB#25	20.98	PASS
Band17	10MHz	QPSK	23780	50RB#0	21.53	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.02	PASS
Band17	10MHz	QPSK	23790	1RB#0	22.19	PASS
Band17	10MHz	16QAM	23790	1RB#0	21.43	PASS
Band17	10MHz	QPSK	23790	1RB#24	22.14	PASS
Band17	10MHz	16QAM	23790	1RB#24	21.44	PASS
Band17	10MHz	QPSK	23790	1RB#49	22.20	PASS
Band17	10MHz	16QAM	23790	1RB#49	21.47	PASS
Band17	10MHz	QPSK	23790	25RB#0	21.61	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.14	PASS
Band17	10MHz	QPSK	23790	25RB#12	21.60	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.15	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.08	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.11	PASS
Band17	10MHz	QPSK	23790	50RB#0	21.72	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.13	PASS
Band17	10MHz	QPSK	23800	1RB#0	22.25	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.15	PASS
Band17	10MHz	QPSK	23800	1RB#24	22.20	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.06	PASS
Band17	10MHz	QPSK	23800	1RB#49	22.20	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.44	PASS
Band17	10MHz	QPSK	23800	25RB#0	21.56	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.12	PASS

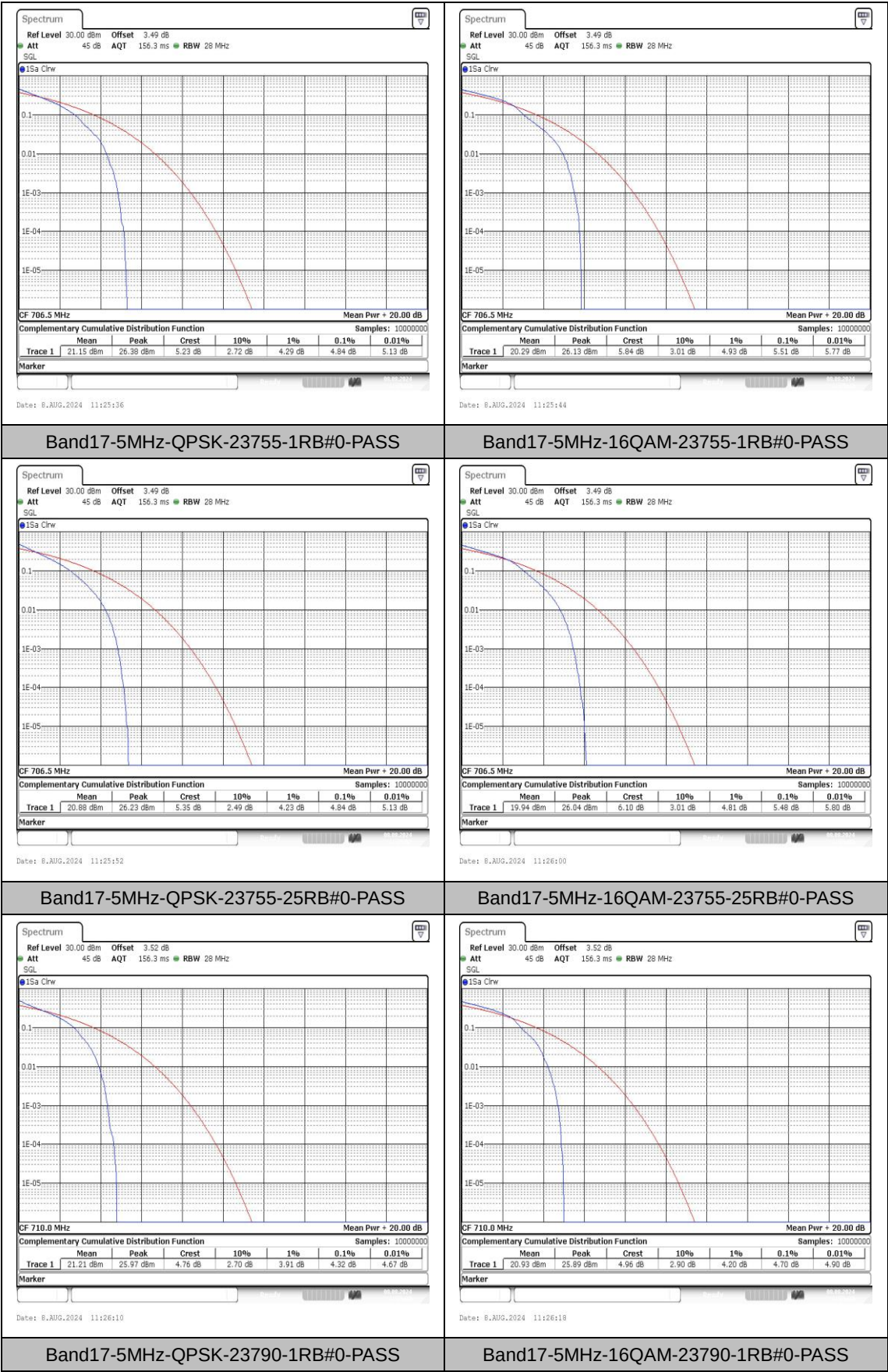
Band17	10MHz	QPSK	23800	25RB#12	21.61	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.13	PASS
Band17	10MHz	QPSK	23800	25RB#25	21.86	PASS
Band17	10MHz	16QAM	23800	25RB#25	20.86	PASS
Band17	10MHz	QPSK	23800	50RB#0	21.65	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.05	PASS

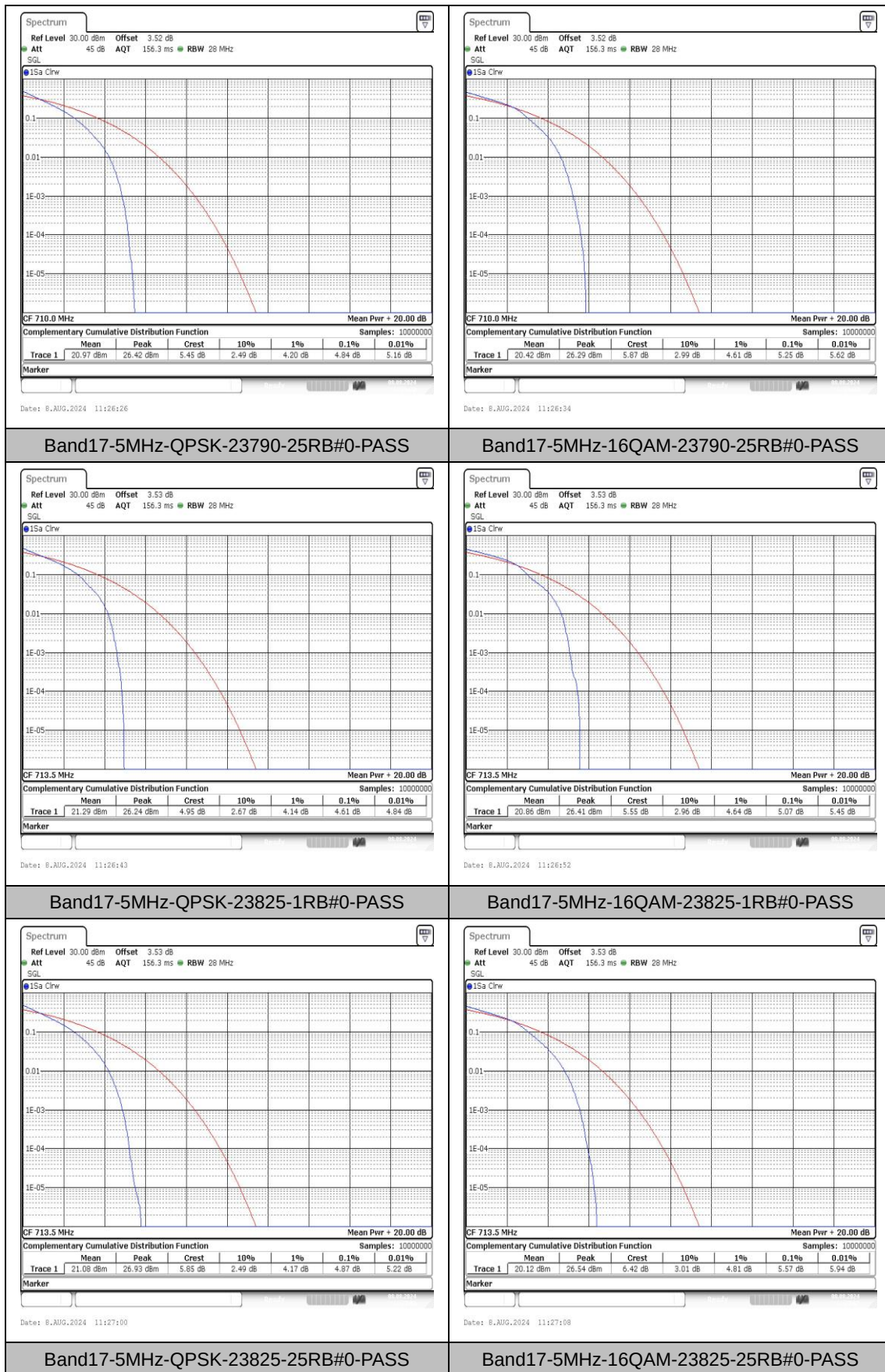
Appendix B: Peak-to-Average Ratio(CCDF)

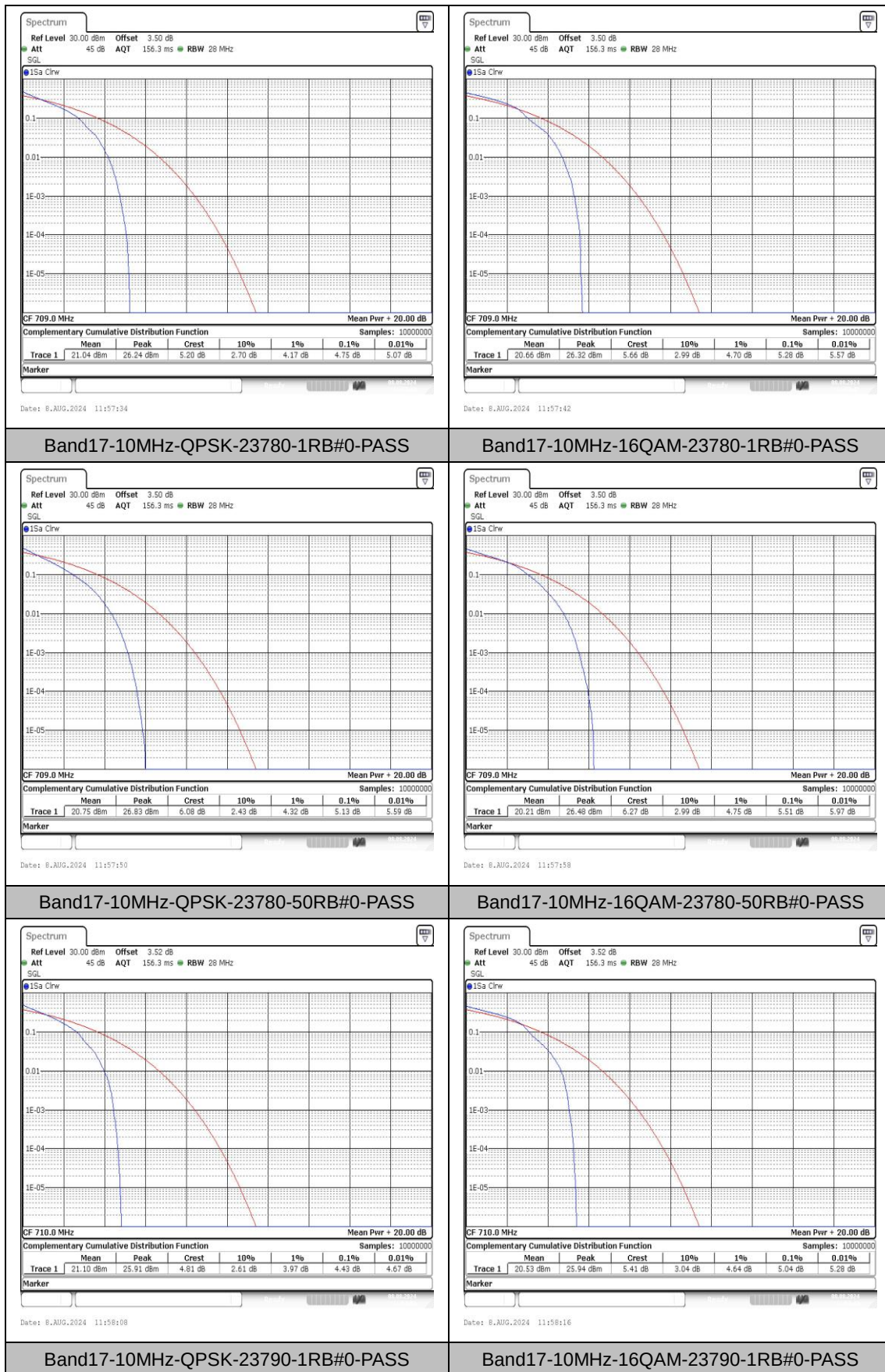
Test Result

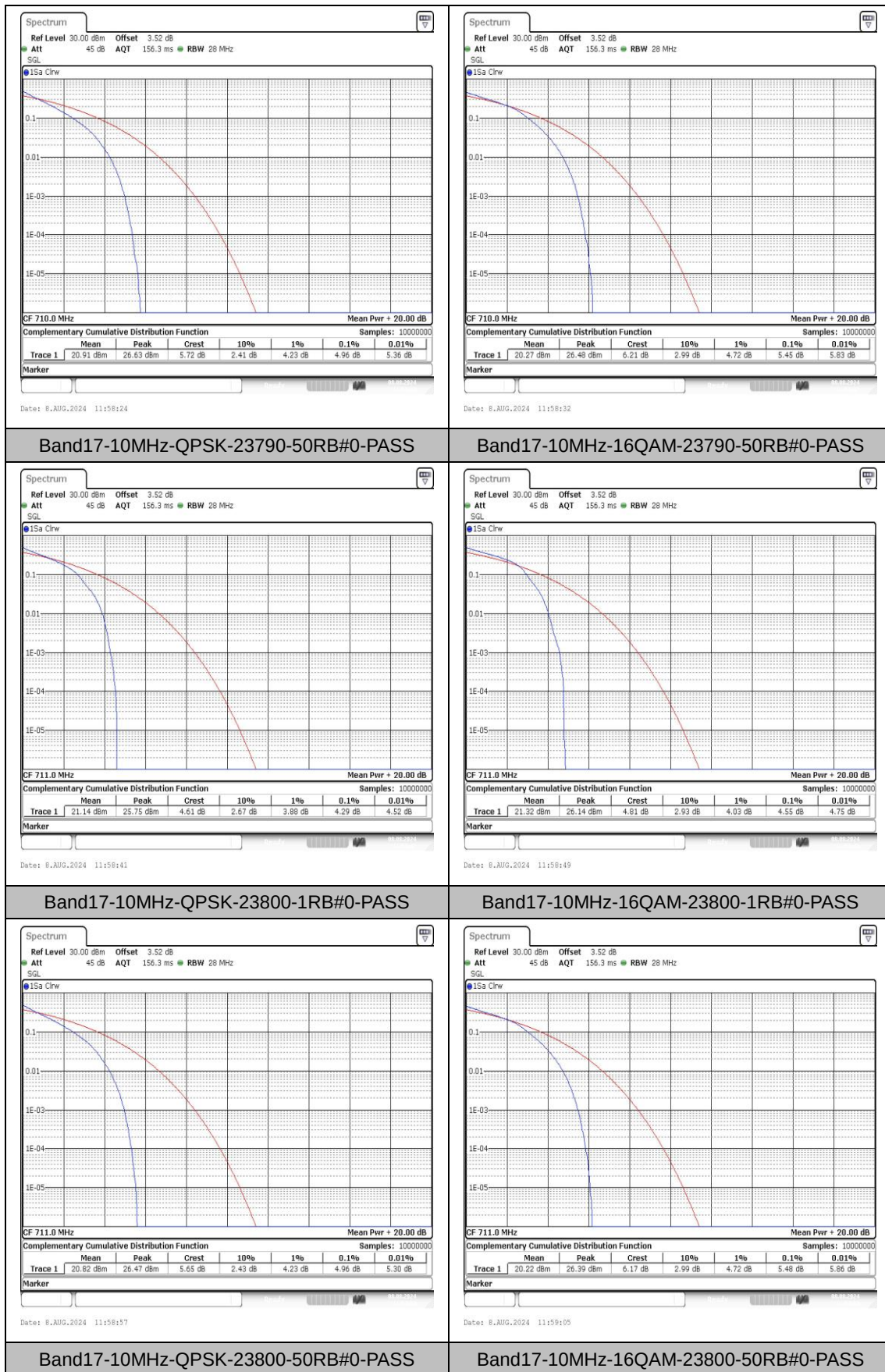
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	4.84	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.51	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	4.84	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	5.48	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	4.32	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	4.70	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.84	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	5.25	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.61	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.07	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.87	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.57	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	4.75	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.28	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.13	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.51	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	4.43	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.04	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	4.96	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.45	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	4.29	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	4.55	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	4.96	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.48	13	PASS

Test Graphs







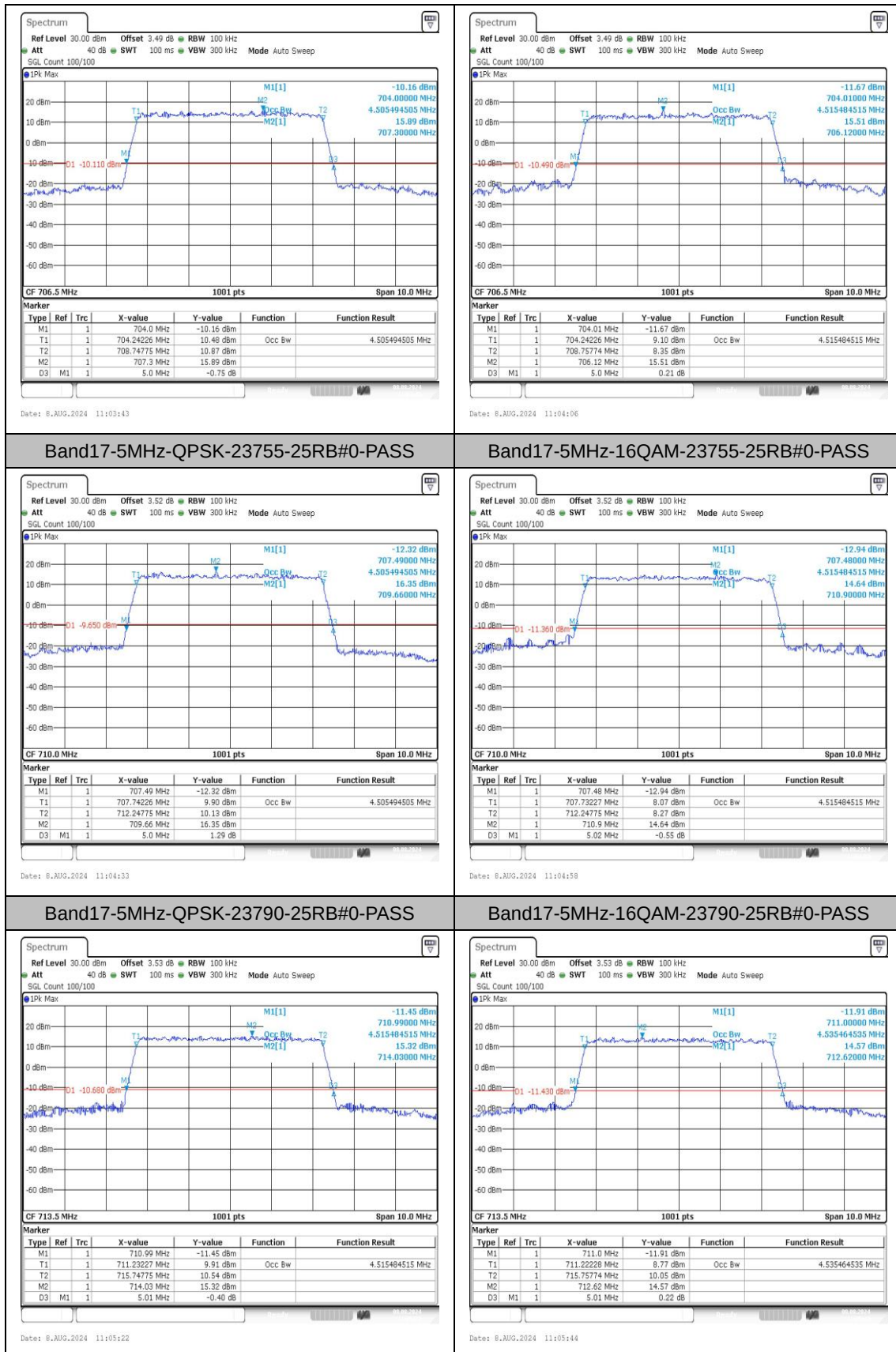


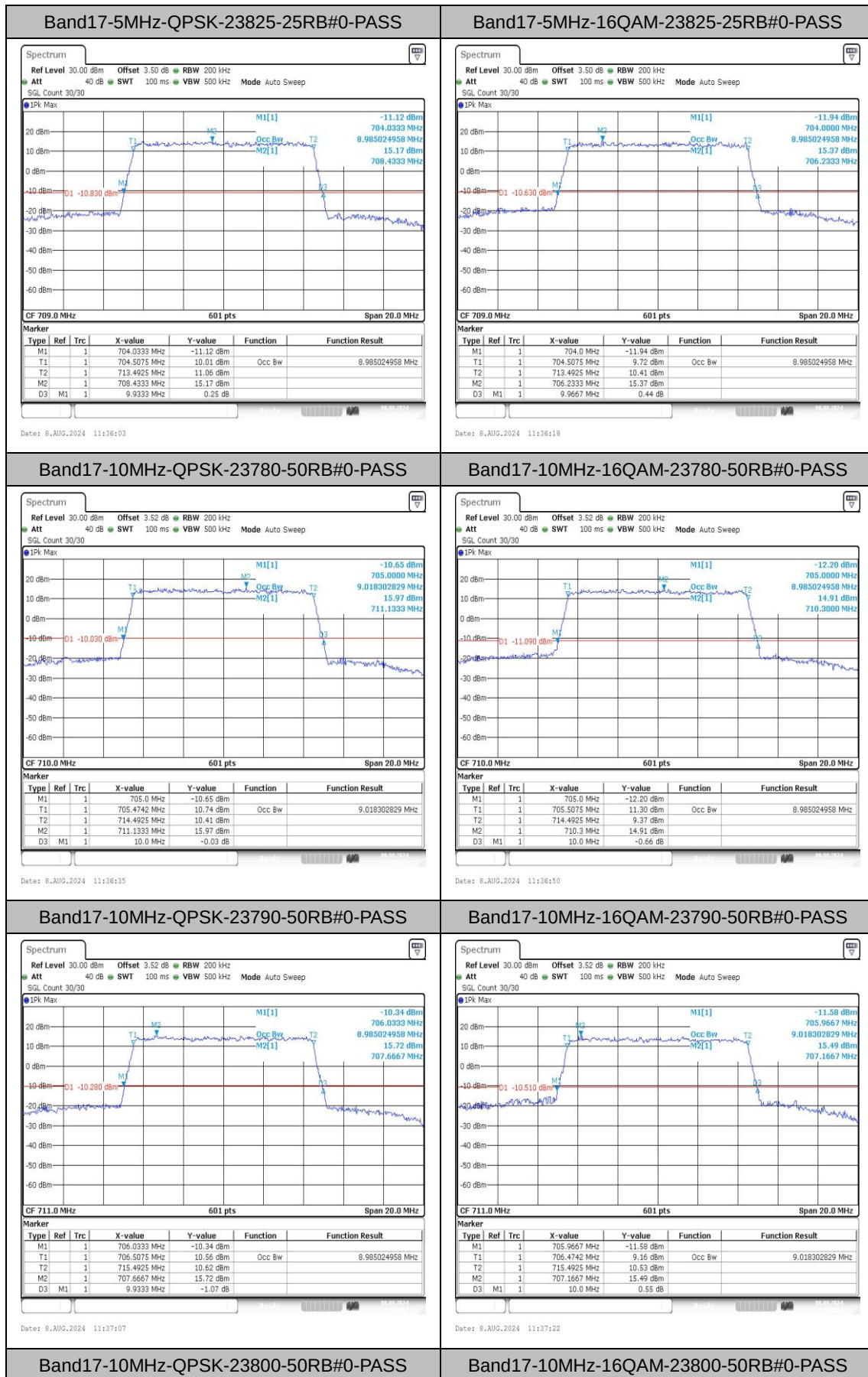
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.505	5.00	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.515	5.00	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.505	5.00	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.515	5.02	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.515	5.01	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.535	5.01	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.985	9.93	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.985	9.97	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.018	10.00	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.985	10.00	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.985	9.93	PASS
Band17	10MHz	16QAM	23800	50RB#0	9.018	10.00	PASS

Test Graphs



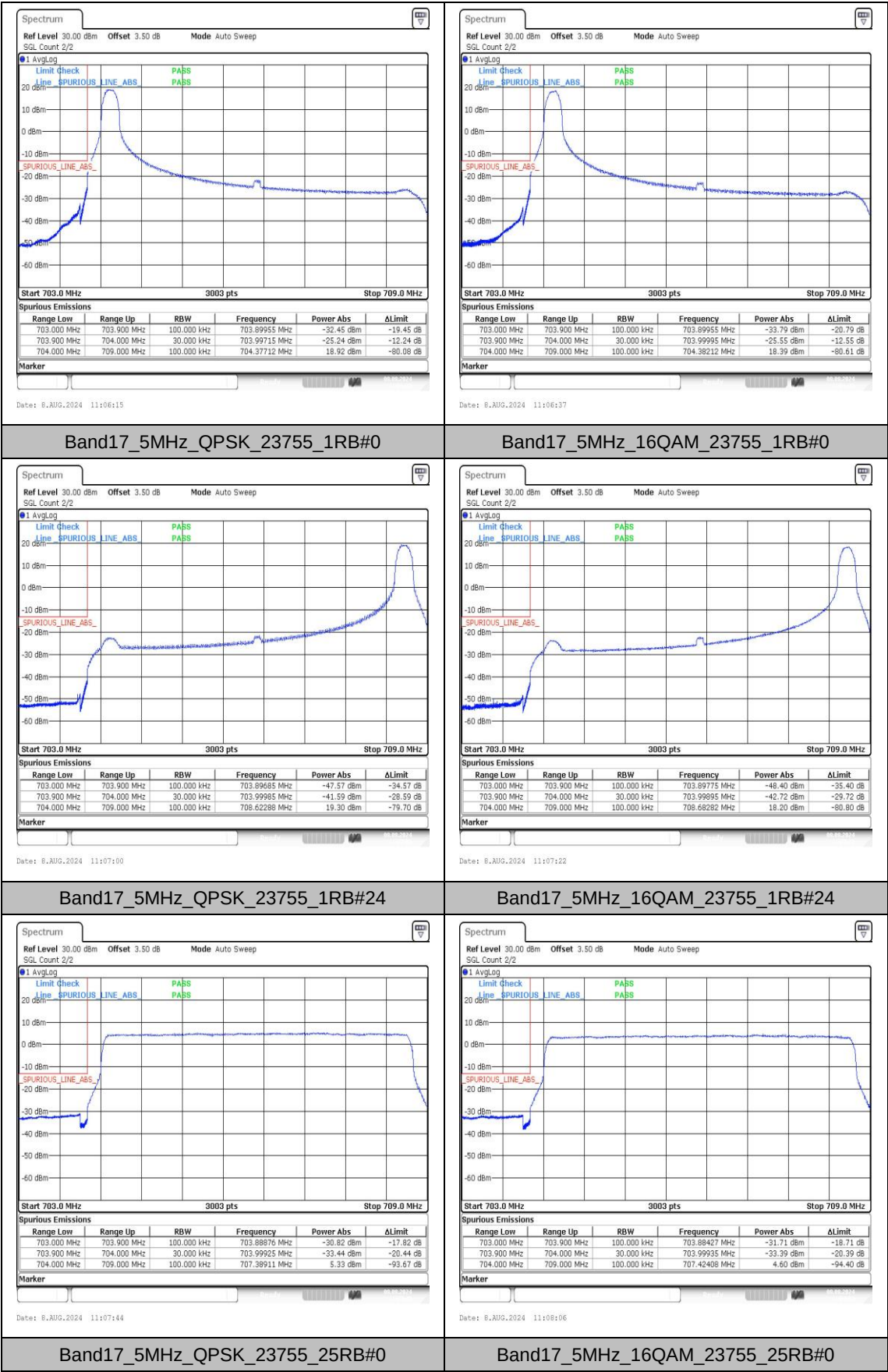


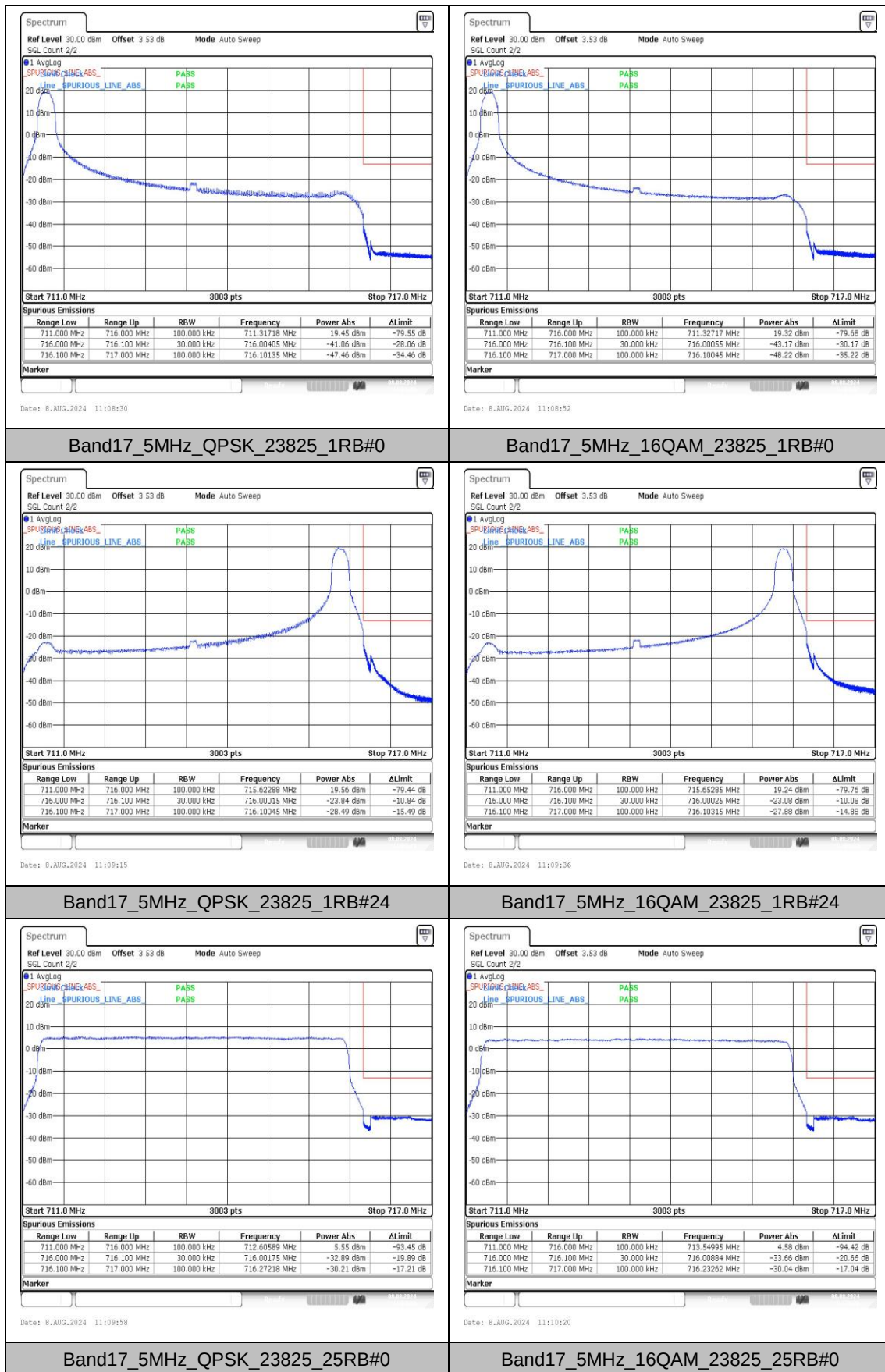
Appendix D: Band Edge

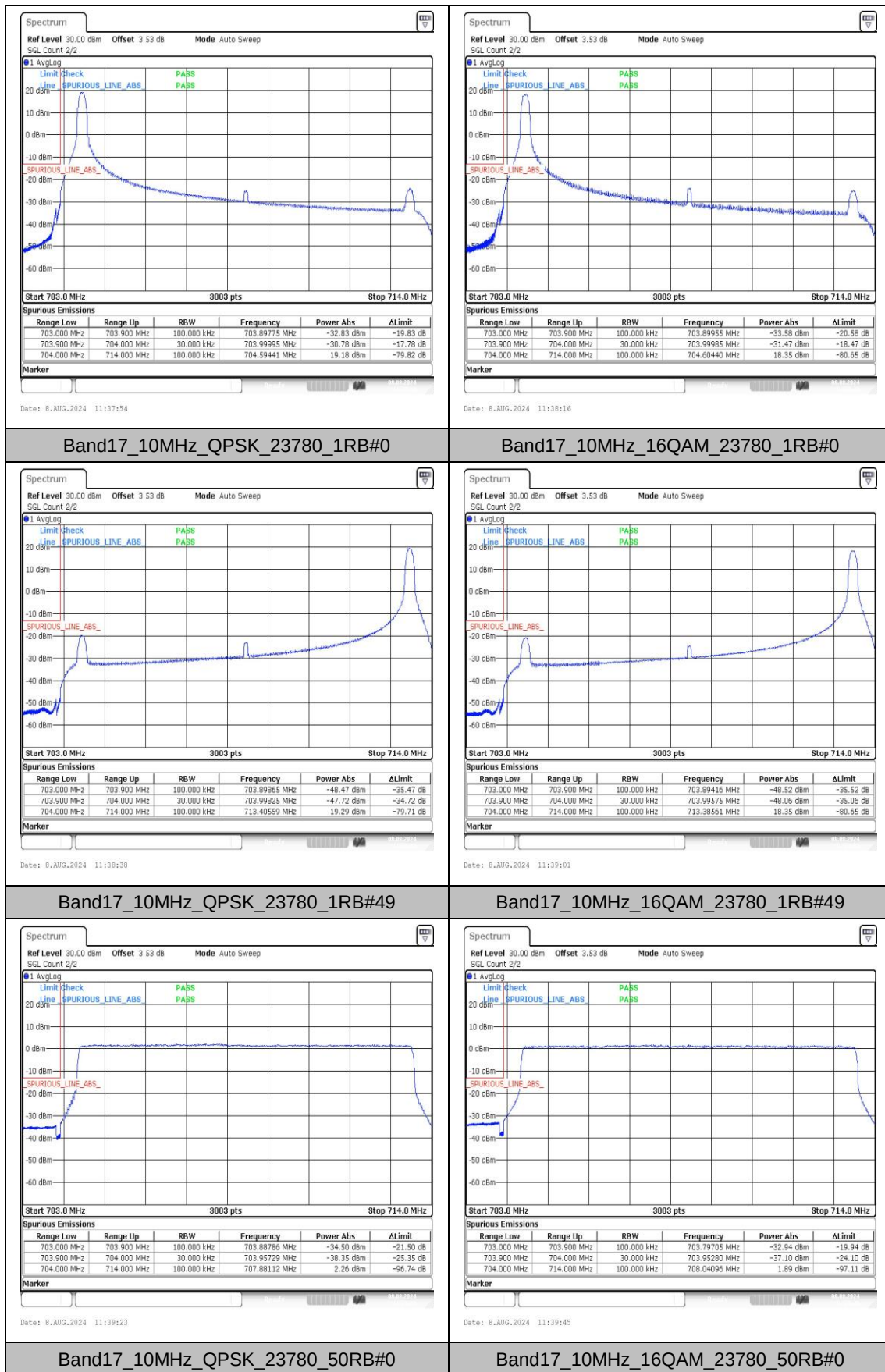
Test Result

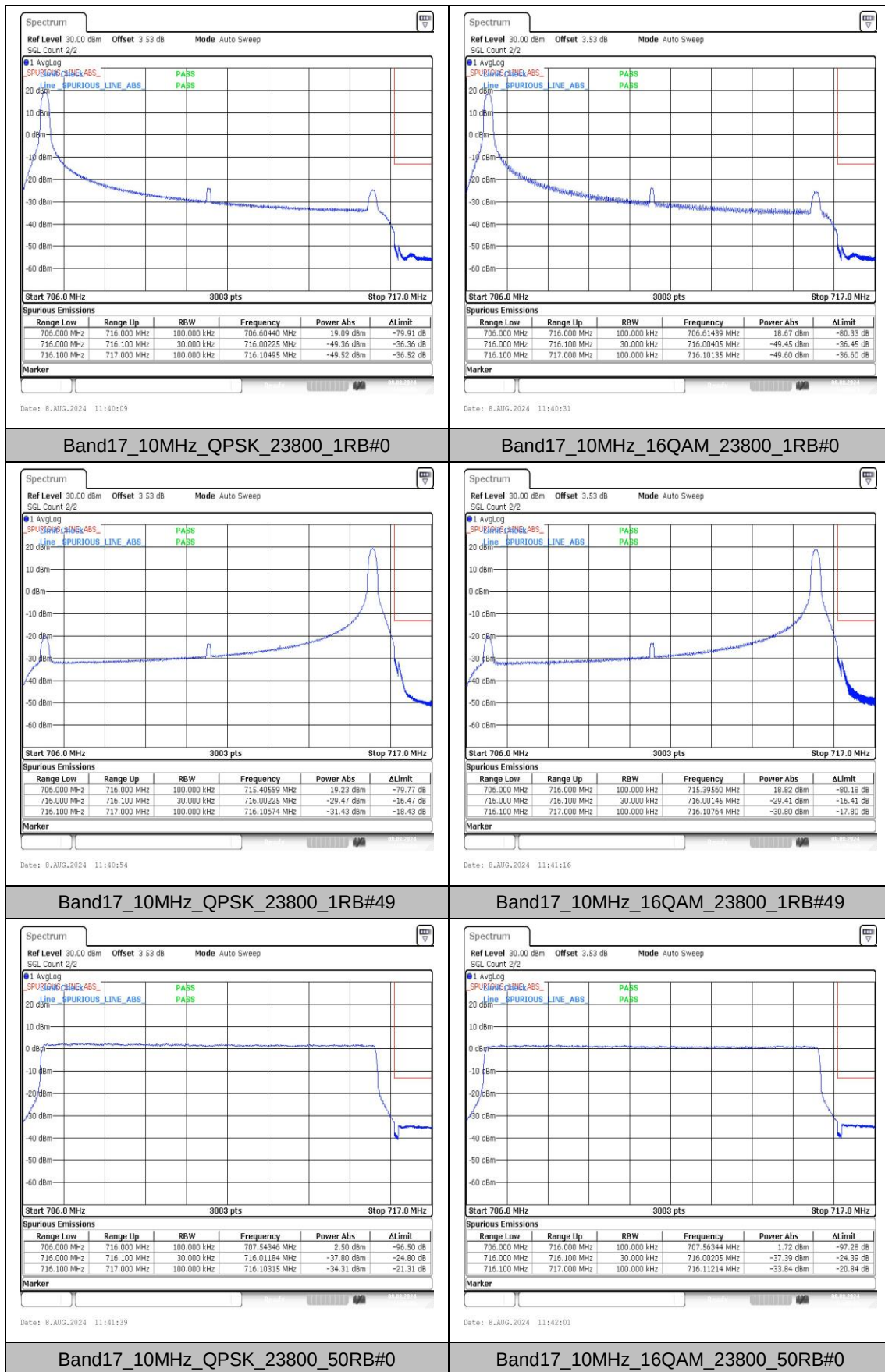
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	-25.24	PASS
Band17	5MHz	16QAM	23755	1RB#0	-25.55	PASS
Band17	5MHz	QPSK	23755	1RB#24	-41.59	PASS
Band17	5MHz	16QAM	23755	1RB#24	-42.72	PASS
Band17	5MHz	QPSK	23755	25RB#0	-30.82	PASS
Band17	5MHz	16QAM	23755	25RB#0	-31.71	PASS
Band17	5MHz	QPSK	23825	1RB#0	-41.06	PASS
Band17	5MHz	16QAM	23825	1RB#0	-43.17	PASS
Band17	5MHz	QPSK	23825	1RB#24	-23.84	PASS
Band17	5MHz	16QAM	23825	1RB#24	-23.08	PASS
Band17	5MHz	QPSK	23825	25RB#0	-30.21	PASS
Band17	5MHz	16QAM	23825	25RB#0	-30.04	PASS
Band17	10MHz	QPSK	23780	1RB#0	-30.78	PASS
Band17	10MHz	16QAM	23780	1RB#0	-31.47	PASS
Band17	10MHz	QPSK	23780	1RB#49	-47.72	PASS
Band17	10MHz	16QAM	23780	1RB#49	-48.06	PASS
Band17	10MHz	QPSK	23780	50RB#0	-34.50	PASS
Band17	10MHz	16QAM	23780	50RB#0	-32.94	PASS
Band17	10MHz	QPSK	23800	1RB#0	-49.36	PASS
Band17	10MHz	16QAM	23800	1RB#0	-49.45	PASS
Band17	10MHz	QPSK	23800	1RB#49	-29.47	PASS
Band17	10MHz	16QAM	23800	1RB#49	-29.41	PASS
Band17	10MHz	QPSK	23800	50RB#0	-34.31	PASS
Band17	10MHz	16QAM	23800	50RB#0	-33.84	PASS

Test Graphs









Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Verdict
Band17	5MHz	QPSK	23755	1RB#0	0.009~0.15	PASS
Band17	5MHz	QPSK	23755	1RB#0	0.15~30	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~3000	PASS
Band17	5MHz	QPSK	23755	1RB#0	3000~10000	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.009~0.15	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.15~30	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~3000	PASS
Band17	5MHz	16QAM	23755	1RB#0	3000~10000	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.009~0.15	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.15~30	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~3000	PASS
Band17	5MHz	QPSK	23790	1RB#0	3000~10000	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.009~0.15	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.15~30	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~3000	PASS
Band17	5MHz	16QAM	23790	1RB#0	3000~10000	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.009~0.15	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.15~30	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~3000	PASS
Band17	5MHz	QPSK	23825	1RB#0	3000~10000	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.009~0.15	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.15~30	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~3000	PASS
Band17	5MHz	16QAM	23825	1RB#0	3000~10000	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.009~0.15	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.15~30	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000	PASS
Band17	10MHz	QPSK	23780	1RB#0	1000~3000	PASS
Band17	10MHz	QPSK	23780	1RB#0	3000~10000	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.009~0.15	PASS

Band17	10MHz	16QAM	23780	1RB#0	0.15~30	PASS
Band17	10MHz	16QAM	23780	1RB#0	30~1000	PASS
Band17	10MHz	16QAM	23780	1RB#0	1000~3000	PASS
Band17	10MHz	16QAM	23780	1RB#0	3000~10000	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.009~0.15	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.15~30	PASS
Band17	10MHz	QPSK	23790	1RB#0	30~1000	PASS
Band17	10MHz	QPSK	23790	1RB#0	1000~3000	PASS
Band17	10MHz	QPSK	23790	1RB#0	3000~10000	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.009~0.15	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.15~30	PASS
Band17	10MHz	16QAM	23790	1RB#0	30~1000	PASS
Band17	10MHz	16QAM	23790	1RB#0	1000~3000	PASS
Band17	10MHz	16QAM	23790	1RB#0	3000~10000	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.009~0.15	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.15~30	PASS
Band17	10MHz	QPSK	23800	1RB#0	30~1000	PASS
Band17	10MHz	QPSK	23800	1RB#0	1000~3000	PASS
Band17	10MHz	QPSK	23800	1RB#0	3000~10000	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.009~0.15	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.15~30	PASS
Band17	10MHz	16QAM	23800	1RB#0	30~1000	PASS
Band17	10MHz	16QAM	23800	1RB#0	1000~3000	PASS
Band17	10MHz	16QAM	23800	1RB#0	3000~10000	PASS

Test Graphs

