

Appendix for Band 17

Product Name: 5G CPE

Model No: S3

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	22.91	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.45	PASS
Band17	5MHz	QPSK	23755	1RB#12	22.66	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.87	PASS
Band17	5MHz	QPSK	23755	1RB#24	22.92	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.73	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.66	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.75	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.64	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.75	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.66	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.74	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.68	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.65	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.56	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.53	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.64	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.55	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.56	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.51	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.52	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.66	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.54	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.62	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.56	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.57	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.55	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.52	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.53	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.56	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.54	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.55	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.56	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.54	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.55	PASS

Band17	5MHz	16QAM	23825	12RB#0	21.51	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.52	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.53	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.55	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.56	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.54	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.55	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.56	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.61	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.32	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.55	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.36	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.54	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.55	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.43	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.62	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.53	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.54	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.55	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.56	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.57	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.55	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.43	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.55	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.36	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.47	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.25	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.56	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.52	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.53	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.44	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.51	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.52	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.53	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.55	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.64	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.31	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.42	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.43	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.35	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.24	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.64	PASS

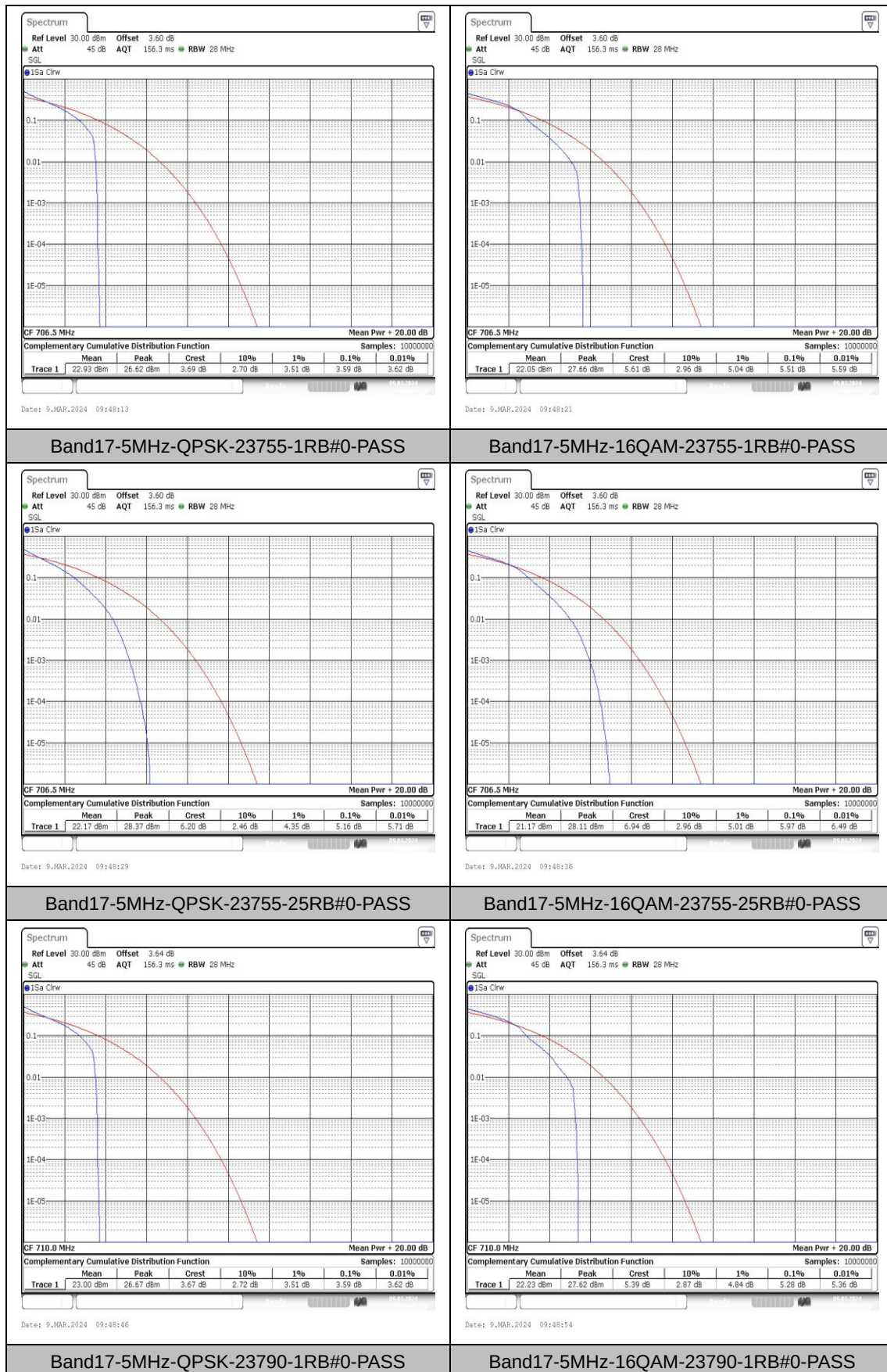
Band17	10MHz	16QAM	23800	25RB#0	21.65	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.66	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.64	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.55	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.63	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.55	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.64	PASS

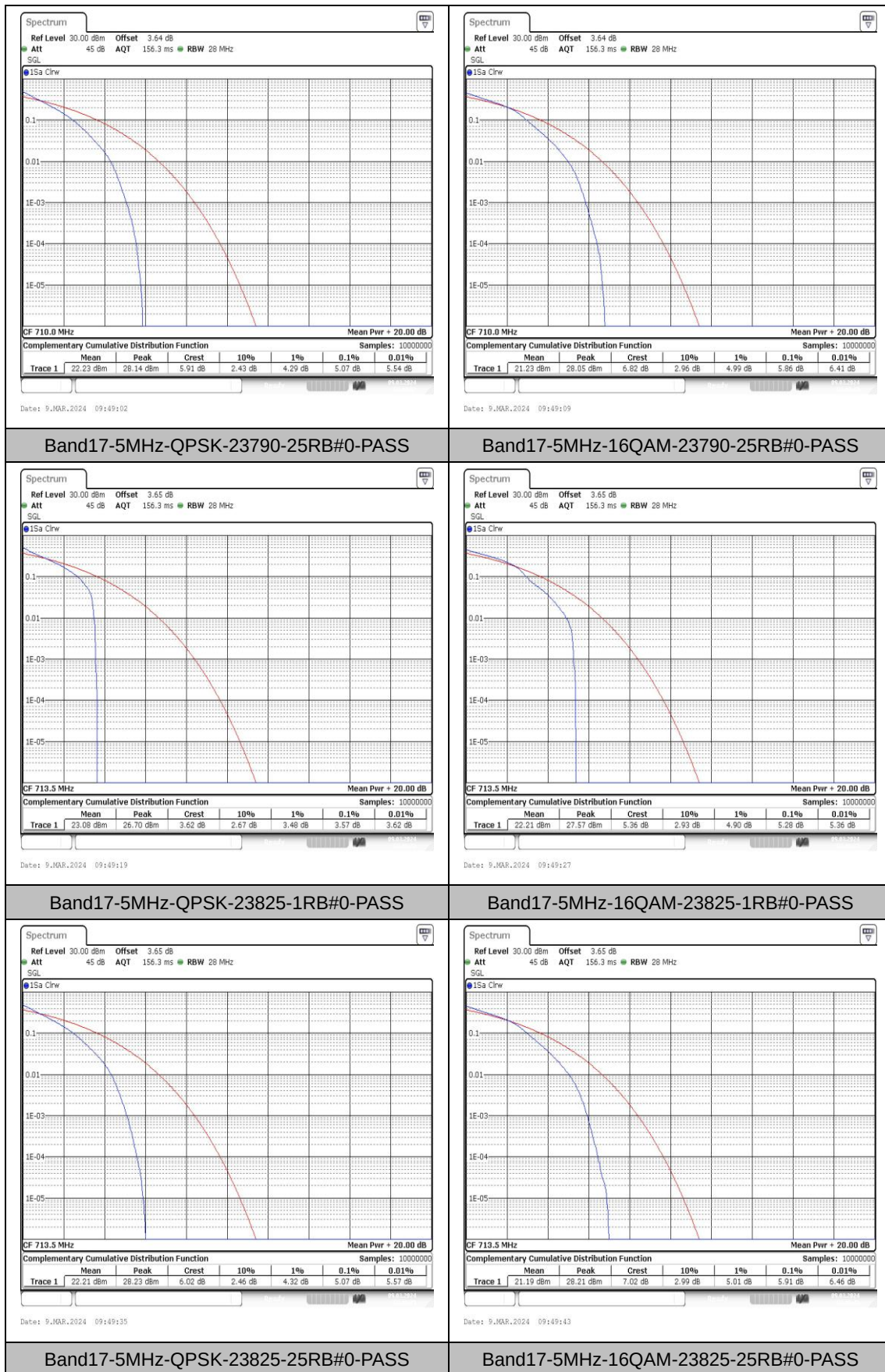
Appendix B: Peak-to-Average Ratio(CCDF)

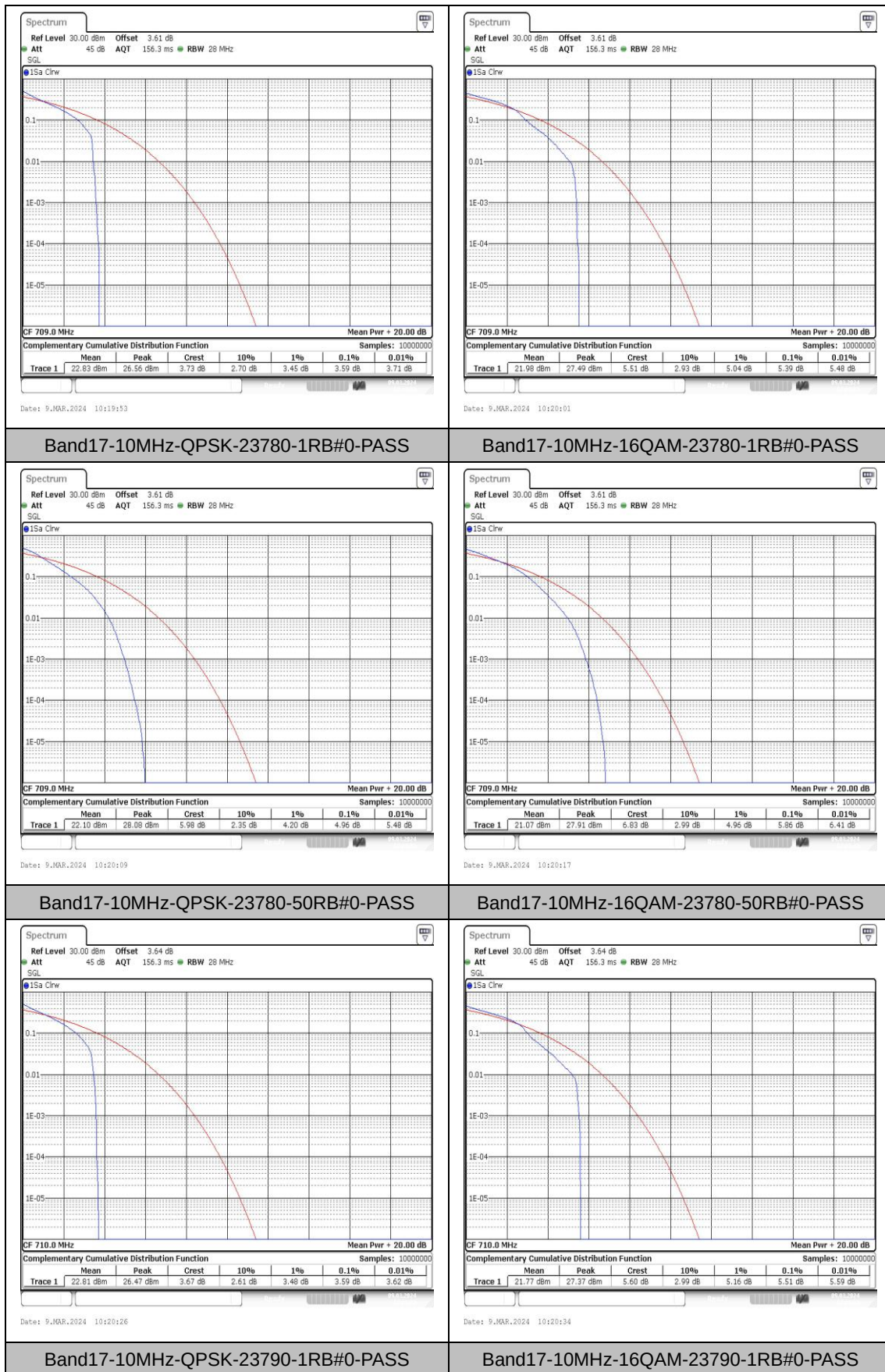
Test Result

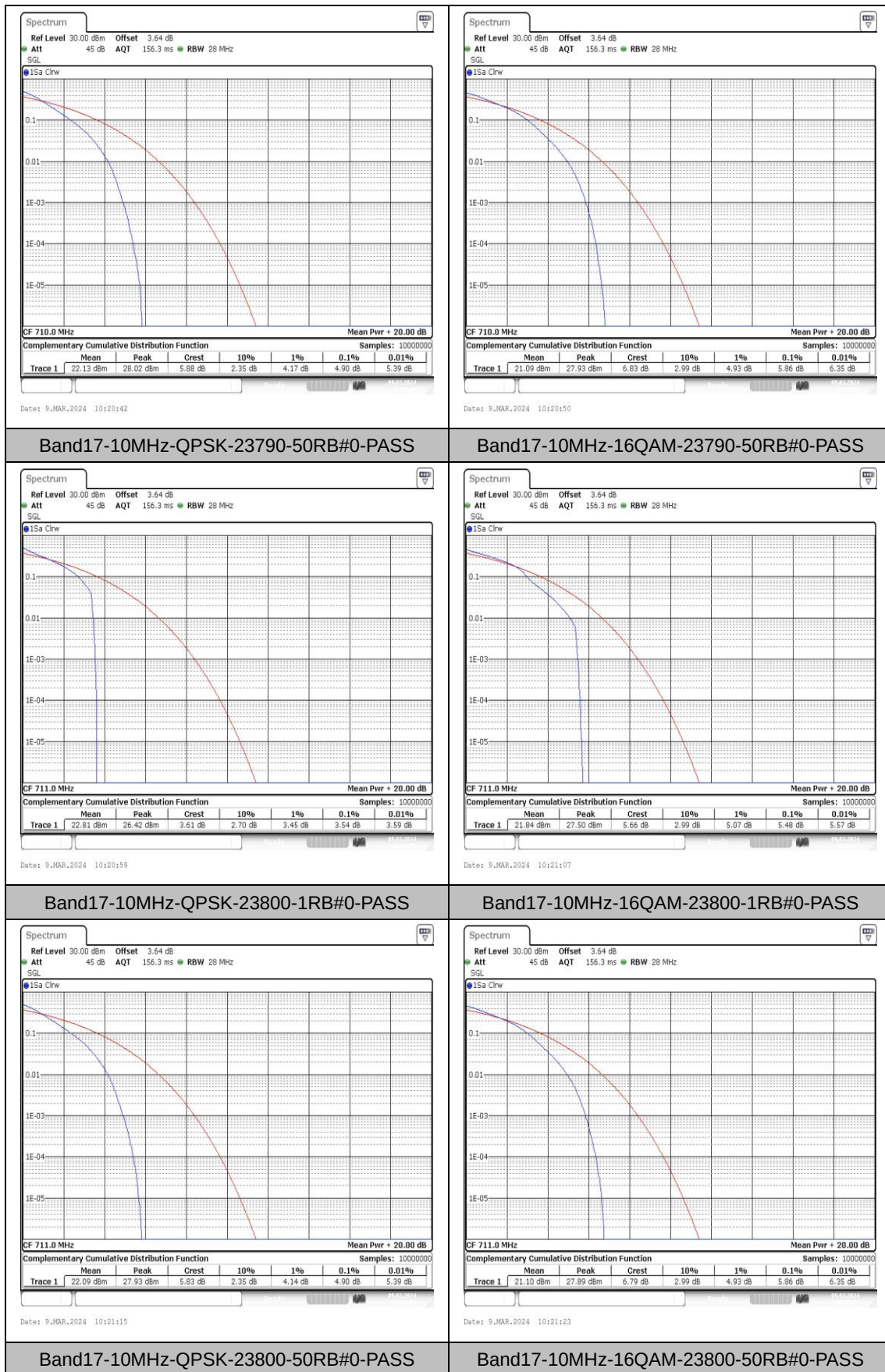
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	3.59	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.51	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.16	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	5.97	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	3.59	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.28	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.07	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	5.86	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	3.57	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.28	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.07	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.91	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	3.59	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.39	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	4.96	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.86	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	3.59	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.51	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	4.90	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.86	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	3.54	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.48	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	4.90	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.86	13	PASS

Test Graphs







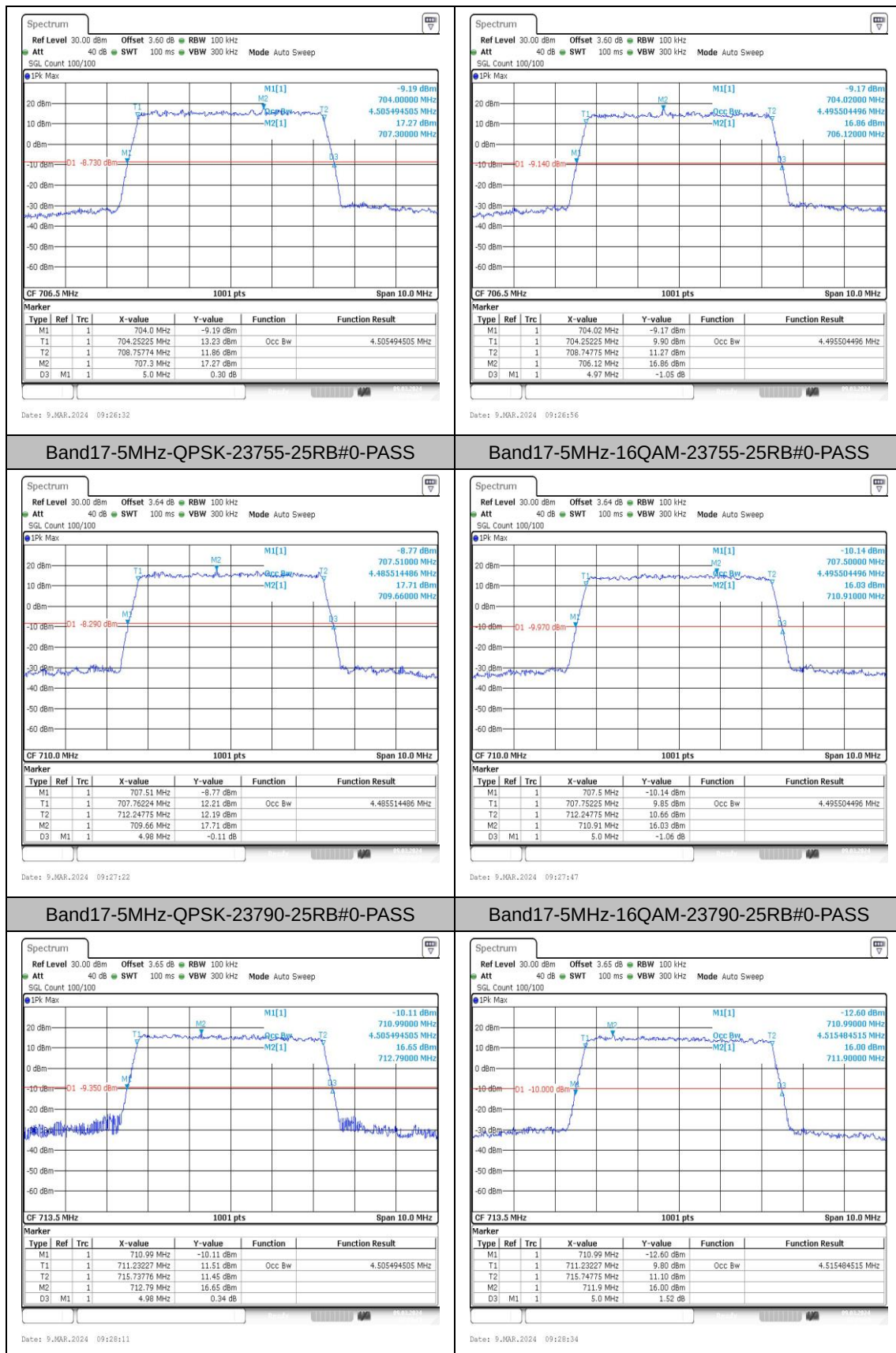


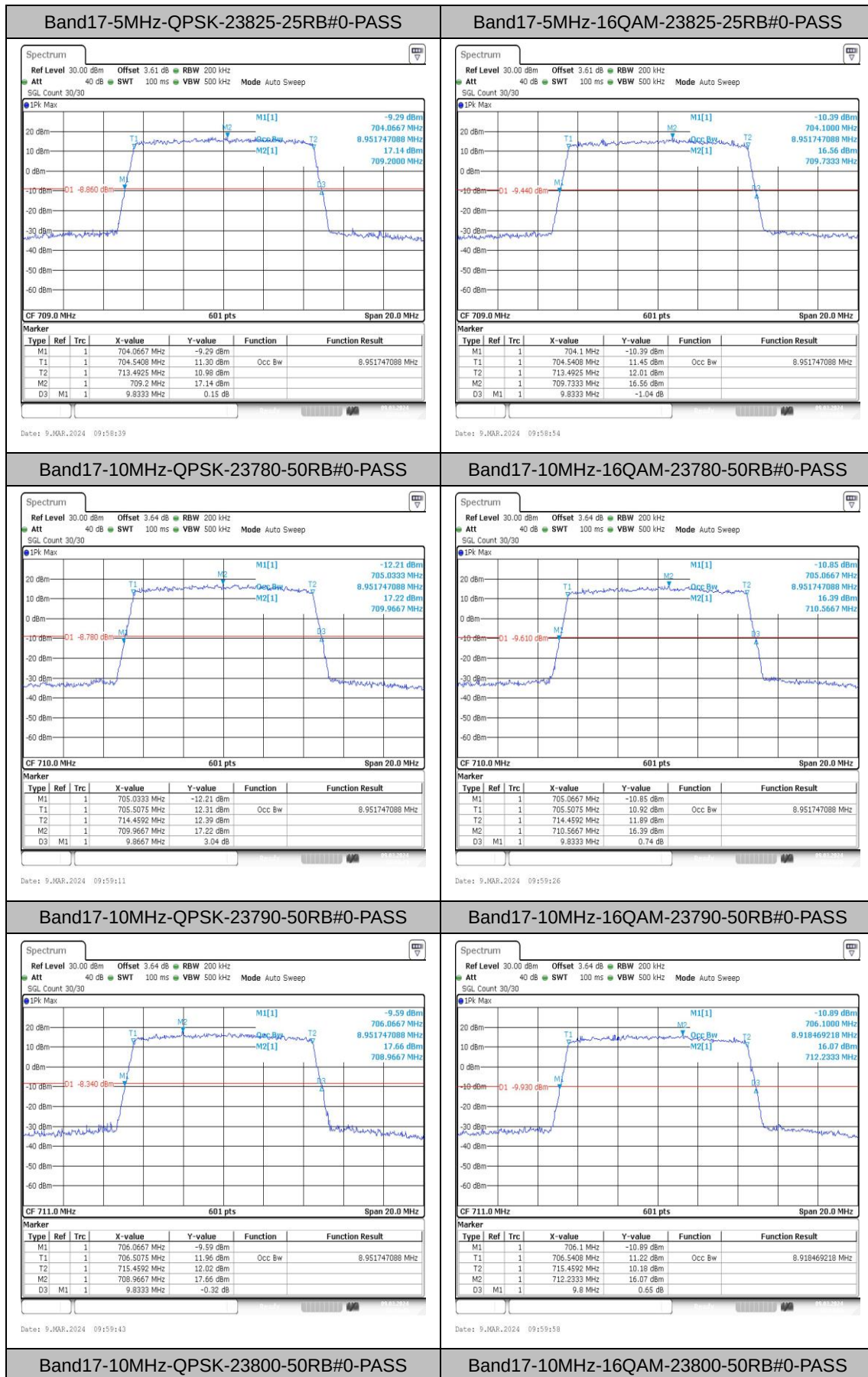
Appendix C: 26dB Bandwidth and Occupied Bandwidth

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	4.496	4.97	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.486	4.98	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.496	5.00	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.505	4.98	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.515	5.00	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.952	9.83	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.952	9.83	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.952	9.87	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.952	9.83	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.952	9.83	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.918	9.80	PASS

Test Graphs



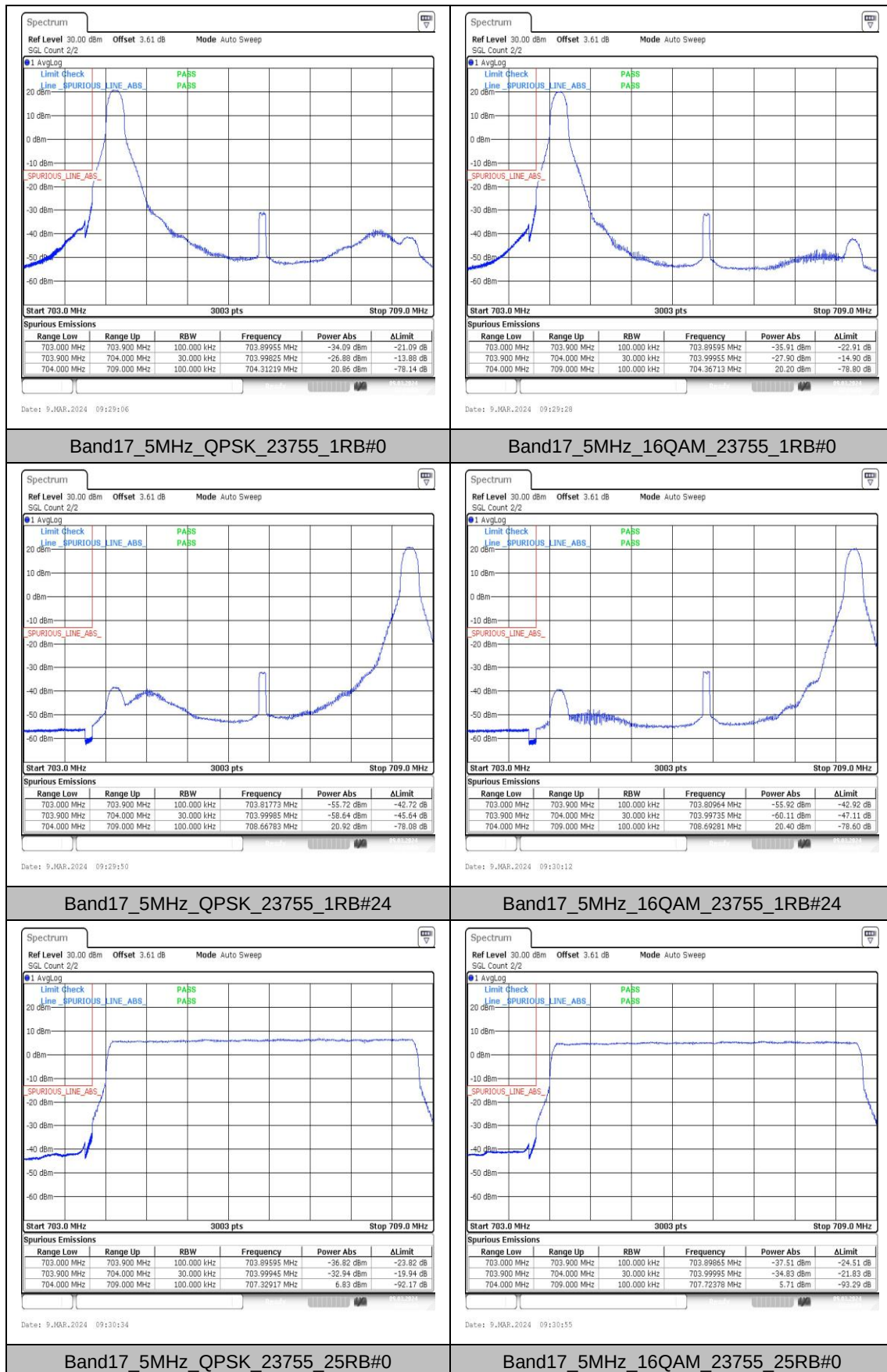


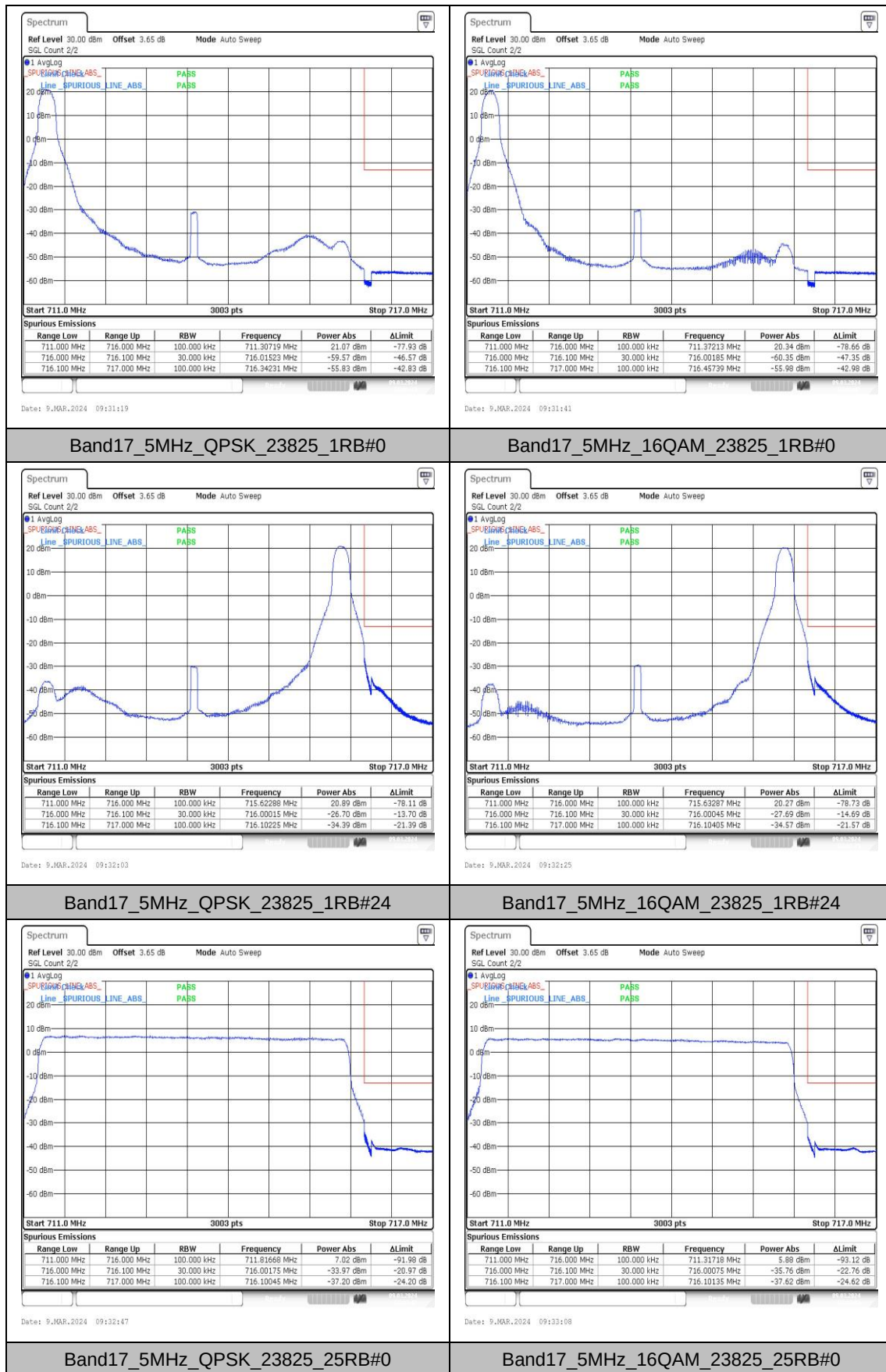
Appendix D: Band Edge

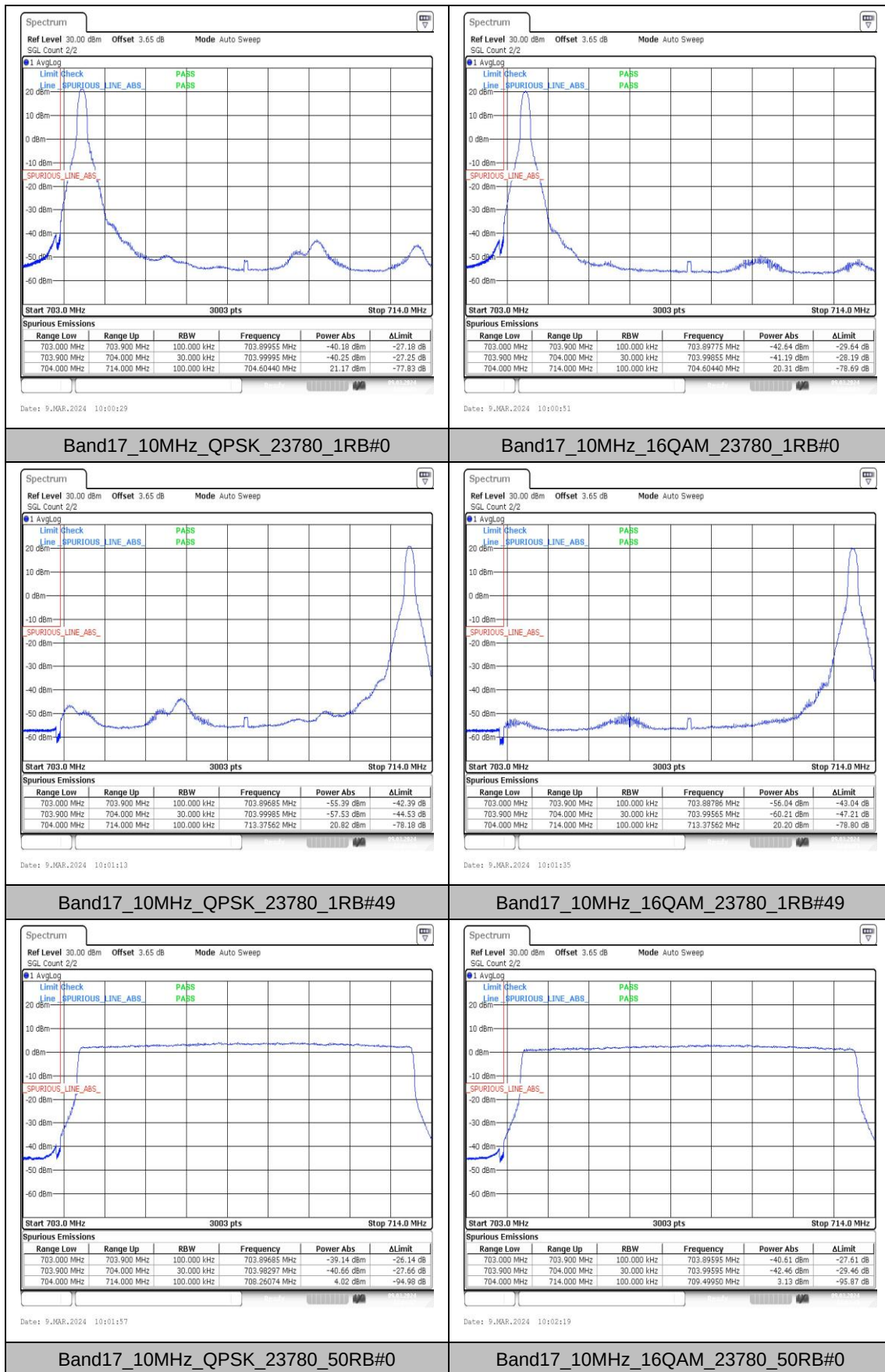
Test Result

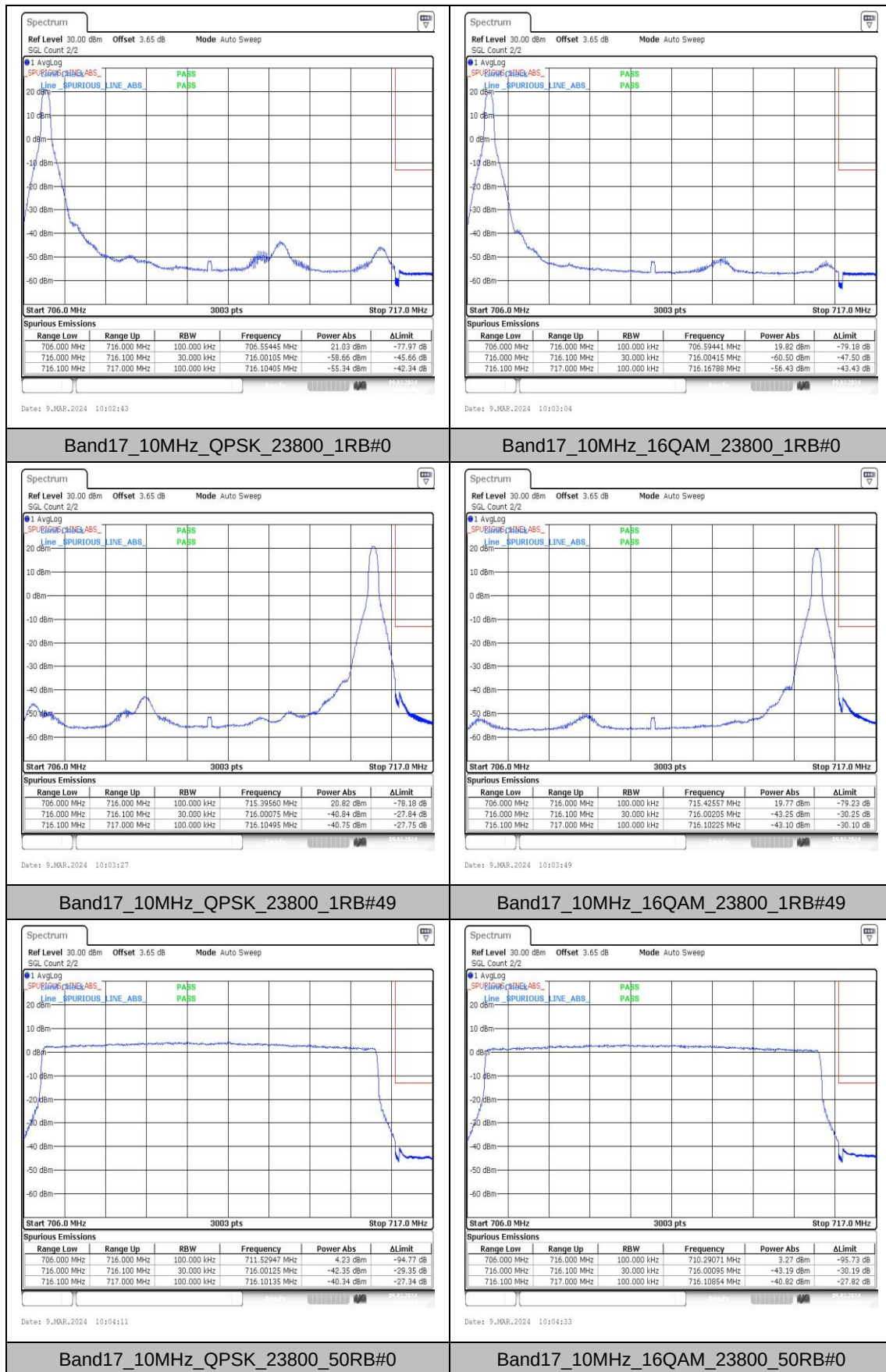
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	-26.88	PASS
Band17	5MHz	16QAM	23755	1RB#0	-27.90	PASS
Band17	5MHz	QPSK	23755	1RB#24	-55.72	PASS
Band17	5MHz	16QAM	23755	1RB#24	-55.92	PASS
Band17	5MHz	QPSK	23755	25RB#0	-32.94	PASS
Band17	5MHz	16QAM	23755	25RB#0	-34.83	PASS
Band17	5MHz	QPSK	23825	1RB#0	-55.83	PASS
Band17	5MHz	16QAM	23825	1RB#0	-55.98	PASS
Band17	5MHz	QPSK	23825	1RB#24	-26.70	PASS
Band17	5MHz	16QAM	23825	1RB#24	-27.69	PASS
Band17	5MHz	QPSK	23825	25RB#0	-33.97	PASS
Band17	5MHz	16QAM	23825	25RB#0	-35.76	PASS
Band17	10MHz	QPSK	23780	1RB#0	-40.18	PASS
Band17	10MHz	16QAM	23780	1RB#0	-41.19	PASS
Band17	10MHz	QPSK	23780	1RB#49	-55.39	PASS
Band17	10MHz	16QAM	23780	1RB#49	-56.04	PASS
Band17	10MHz	QPSK	23780	50RB#0	-39.14	PASS
Band17	10MHz	16QAM	23780	50RB#0	-40.61	PASS
Band17	10MHz	QPSK	23800	1RB#0	-55.34	PASS
Band17	10MHz	16QAM	23800	1RB#0	-56.43	PASS
Band17	10MHz	QPSK	23800	1RB#49	-40.75	PASS
Band17	10MHz	16QAM	23800	1RB#49	-43.10	PASS
Band17	10MHz	QPSK	23800	50RB#0	-40.34	PASS
Band17	10MHz	16QAM	23800	50RB#0	-40.82	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

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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

