

Appendix for Band 40(2345-2360MHz)

Product Name: 5G CPE

Model No: S3

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
40(2345-2360)	5MHz	QPSK	39125	1RB#0	24.25	PASS
40(2345-2360)	5MHz	16QAM	39125	1RB#0	23.57	PASS
40(2345-2360)	5MHz	QPSK	39125	1RB#12	24.14	PASS
40(2345-2360)	5MHz	16QAM	39125	1RB#12	23.48	PASS
40(2345-2360)	5MHz	QPSK	39125	1RB#24	24.12	PASS
40(2345-2360)	5MHz	16QAM	39125	1RB#24	23.40	PASS
40(2345-2360)	5MHz	QPSK	39125	12RB#0	23.18	PASS
40(2345-2360)	5MHz	16QAM	39125	12RB#0	22.25	PASS
40(2345-2360)	5MHz	QPSK	39125	12RB#6	23.17	PASS
40(2345-2360)	5MHz	16QAM	39125	12RB#6	22.24	PASS
40(2345-2360)	5MHz	QPSK	39125	12RB#13	23.07	PASS
40(2345-2360)	5MHz	16QAM	39125	12RB#13	22.08	PASS
40(2345-2360)	5MHz	QPSK	39125	25RB#0	23.16	PASS
40(2345-2360)	5MHz	16QAM	39125	25RB#0	22.15	PASS
40(2345-2360)	5MHz	QPSK	39175	1RB#0	24.08	PASS
40(2345-2360)	5MHz	16QAM	39175	1RB#0	23.39	PASS
40(2345-2360)	5MHz	QPSK	39175	1RB#12	23.95	PASS
40(2345-2360)	5MHz	16QAM	39175	1RB#12	23.26	PASS
40(2345-2360)	5MHz	QPSK	39175	1RB#24	23.92	PASS
40(2345-2360)	5MHz	16QAM	39175	1RB#24	23.23	PASS
40(2345-2360)	5MHz	QPSK	39175	12RB#0	23.12	PASS
40(2345-2360)	5MHz	16QAM	39175	12RB#0	22.16	PASS
40(2345-2360)	5MHz	QPSK	39175	12RB#6	23.13	PASS
40(2345-2360)	5MHz	16QAM	39175	12RB#6	22.17	PASS
40(2345-2360)	5MHz	QPSK	39175	12RB#13	23.12	PASS
40(2345-2360)	5MHz	16QAM	39175	12RB#13	22.16	PASS
40(2345-2360)	5MHz	QPSK	39175	25RB#0	23.14	PASS
40(2345-2360)	5MHz	16QAM	39175	25RB#0	22.12	PASS
40(2345-2360)	5MHz	QPSK	39225	1RB#0	24.19	PASS
40(2345-2360)	5MHz	16QAM	39225	1RB#0	23.21	PASS
40(2345-2360)	5MHz	QPSK	39225	1RB#12	24.11	PASS
40(2345-2360)	5MHz	16QAM	39225	1RB#12	23.16	PASS
40(2345-2360)	5MHz	QPSK	39225	1RB#24	24.04	PASS
40(2345-2360)	5MHz	16QAM	39225	1RB#24	23.09	PASS

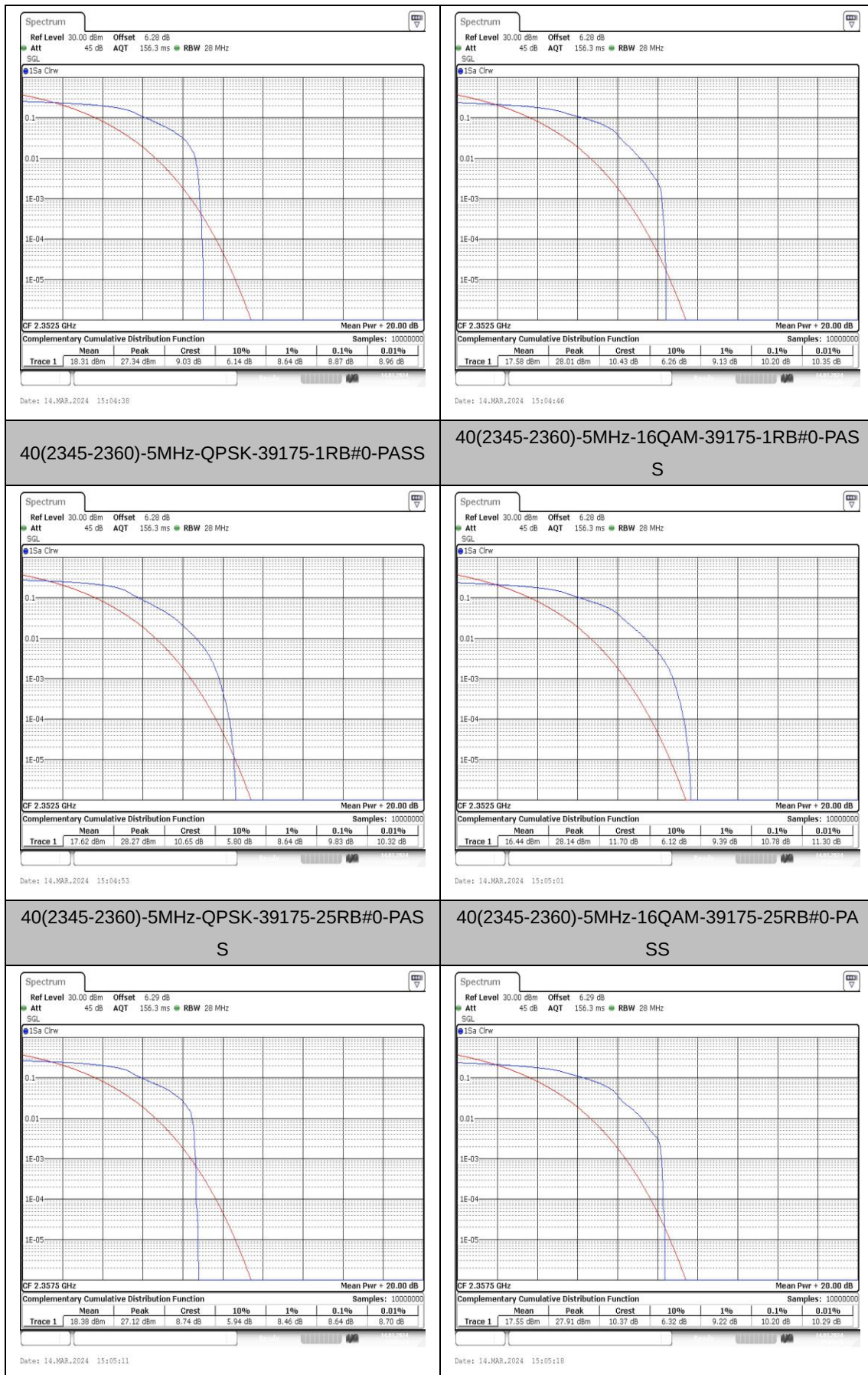
40(2345-2360)	5MHz	QPSK	39225	12RB#0	23.08	PASS
40(2345-2360)	5MHz	16QAM	39225	12RB#0	22.12	PASS
40(2345-2360)	5MHz	QPSK	39225	12RB#6	23.09	PASS
40(2345-2360)	5MHz	16QAM	39225	12RB#6	22.07	PASS
40(2345-2360)	5MHz	QPSK	39225	12RB#13	23.05	PASS
40(2345-2360)	5MHz	16QAM	39225	12RB#13	22.00	PASS
40(2345-2360)	5MHz	QPSK	39225	25RB#0	23.11	PASS
40(2345-2360)	5MHz	16QAM	39225	25RB#0	22.06	PASS
40(2345-2360)	10MHz	QPSK	39150	1RB#0	24.24	PASS
40(2345-2360)	10MHz	16QAM	39150	1RB#0	23.41	PASS
40(2345-2360)	10MHz	QPSK	39150	1RB#24	24.15	PASS
40(2345-2360)	10MHz	16QAM	39150	1RB#24	23.33	PASS
40(2345-2360)	10MHz	QPSK	39150	1RB#49	24.17	PASS
40(2345-2360)	10MHz	16QAM	39150	1RB#49	23.25	PASS
40(2345-2360)	10MHz	QPSK	39150	25RB#0	23.21	PASS
40(2345-2360)	10MHz	16QAM	39150	25RB#0	22.28	PASS
40(2345-2360)	10MHz	QPSK	39150	25RB#12	23.20	PASS
40(2345-2360)	10MHz	16QAM	39150	25RB#12	22.29	PASS
40(2345-2360)	10MHz	QPSK	39150	25RB#25	23.07	PASS
40(2345-2360)	10MHz	16QAM	39150	25RB#25	22.15	PASS
40(2345-2360)	10MHz	QPSK	39150	50RB#0	23.14	PASS
40(2345-2360)	10MHz	16QAM	39150	50RB#0	22.20	PASS
40(2345-2360)	10MHz	QPSK	39175	1RB#0	24.05	PASS
40(2345-2360)	10MHz	16QAM	39175	1RB#0	22.82	PASS
40(2345-2360)	10MHz	QPSK	39175	1RB#24	24.06	PASS
40(2345-2360)	10MHz	16QAM	39175	1RB#24	22.71	PASS
40(2345-2360)	10MHz	QPSK	39175	1RB#49	23.96	PASS
40(2345-2360)	10MHz	16QAM	39175	1RB#49	22.72	PASS
40(2345-2360)	10MHz	QPSK	39175	25RB#0	23.12	PASS
40(2345-2360)	10MHz	16QAM	39175	25RB#0	22.18	PASS
40(2345-2360)	10MHz	QPSK	39175	25RB#12	23.19	PASS
40(2345-2360)	10MHz	16QAM	39175	25RB#12	22.12	PASS
40(2345-2360)	10MHz	QPSK	39175	25RB#25	23.06	PASS
40(2345-2360)	10MHz	16QAM	39175	25RB#25	22.07	PASS
40(2345-2360)	10MHz	QPSK	39175	50RB#0	23.16	PASS
40(2345-2360)	10MHz	16QAM	39175	50RB#0	22.20	PASS
40(2345-2360)	10MHz	QPSK	39200	1RB#0	24.04	PASS
40(2345-2360)	10MHz	16QAM	39200	1RB#0	23.23	PASS
40(2345-2360)	10MHz	QPSK	39200	1RB#24	23.92	PASS
40(2345-2360)	10MHz	16QAM	39200	1RB#24	23.04	PASS
40(2345-2360)	10MHz	QPSK	39200	1RB#49	23.90	PASS
40(2345-2360)	10MHz	16QAM	39200	1RB#49	23.18	PASS

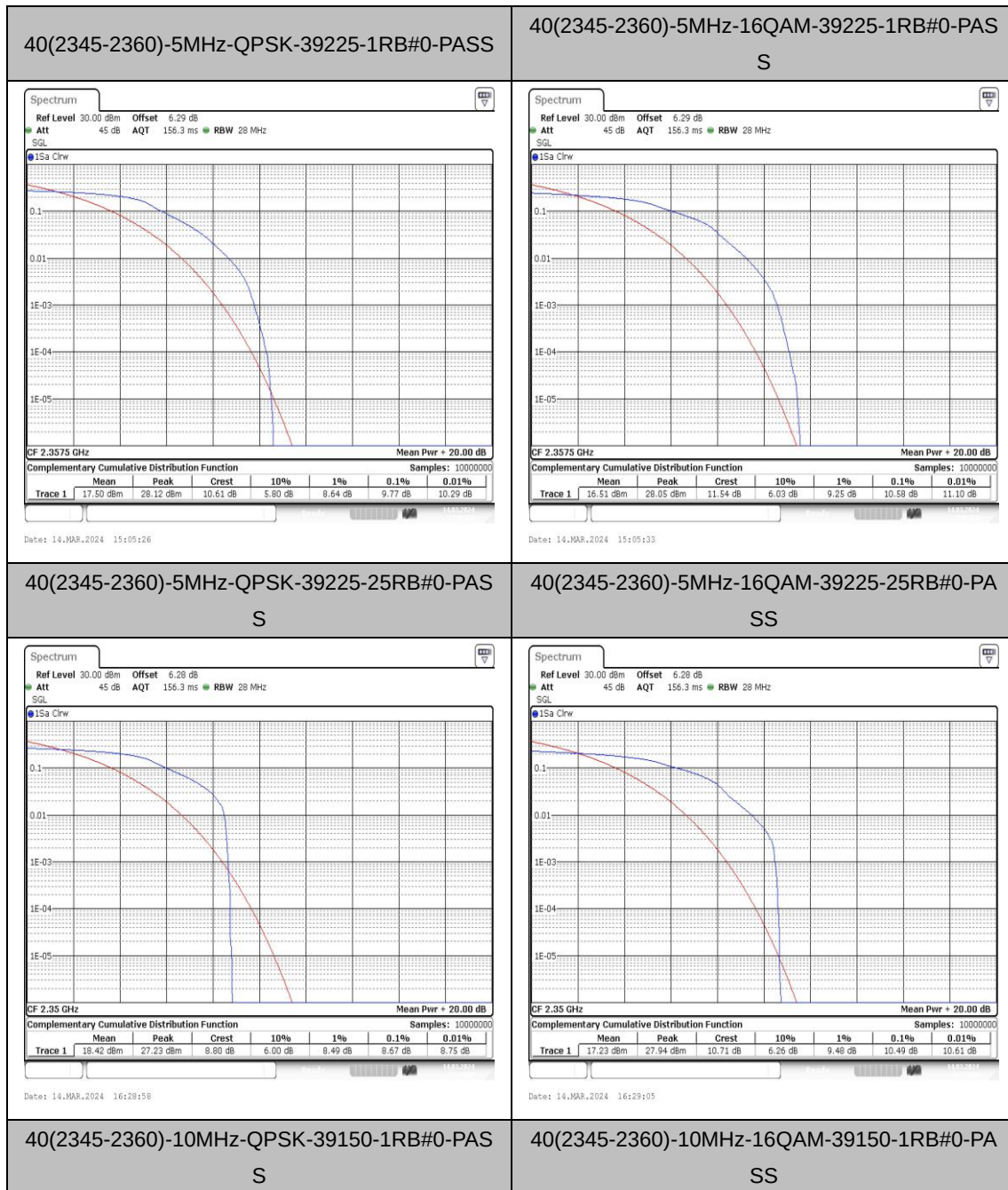
40(2345-2360)	10MHz	QPSK	39200	25RB#0	23.22	PASS
40(2345-2360)	10MHz	16QAM	39200	25RB#0	22.14	PASS
40(2345-2360)	10MHz	QPSK	39200	25RB#12	23.19	PASS
40(2345-2360)	10MHz	16QAM	39200	25RB#12	22.22	PASS
40(2345-2360)	10MHz	QPSK	39200	25RB#25	23.05	PASS
40(2345-2360)	10MHz	16QAM	39200	25RB#25	22.02	PASS
40(2345-2360)	10MHz	QPSK	39200	50RB#0	23.10	PASS
40(2345-2360)	10MHz	16QAM	39200	50RB#0	22.07	PASS
40(2345-2360)	15MHz	QPSK	39175	1RB#0	24.47	PASS
40(2345-2360)	15MHz	16QAM	39175	1RB#0	23.41	PASS
40(2345-2360)	15MHz	QPSK	39175	1RB#38	23.99	PASS
40(2345-2360)	15MHz	16QAM	39175	1RB#38	23.28	PASS
40(2345-2360)	15MHz	QPSK	39175	1RB#74	24.01	PASS
40(2345-2360)	15MHz	16QAM	39175	1RB#74	23.24	PASS
40(2345-2360)	15MHz	QPSK	39175	38RB#0	23.12	PASS
40(2345-2360)	15MHz	16QAM	39175	38RB#0	23.12	PASS
40(2345-2360)	15MHz	QPSK	39175	38RB#18	23.11	PASS
40(2345-2360)	15MHz	16QAM	39175	38RB#18	23.11	PASS
40(2345-2360)	15MHz	QPSK	39175	38RB#37	23.12	PASS
40(2345-2360)	15MHz	16QAM	39175	38RB#37	23.11	PASS
40(2345-2360)	15MHz	QPSK	39175	75RB#0	23.12	PASS
40(2345-2360)	15MHz	16QAM	39175	75RB#0	22.18	PASS

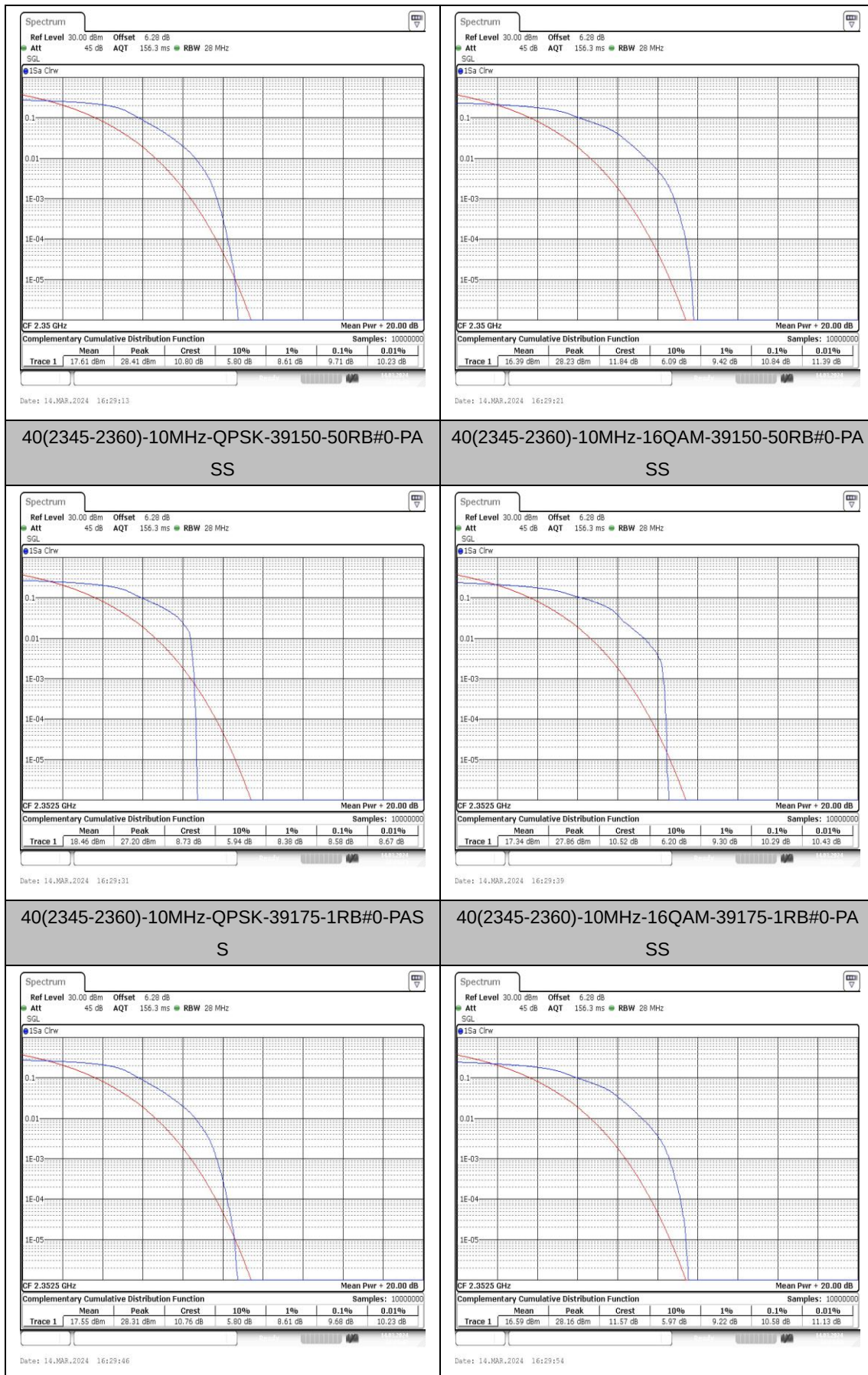
Appendix B: Peak-to-Average Ratio(CCDF)

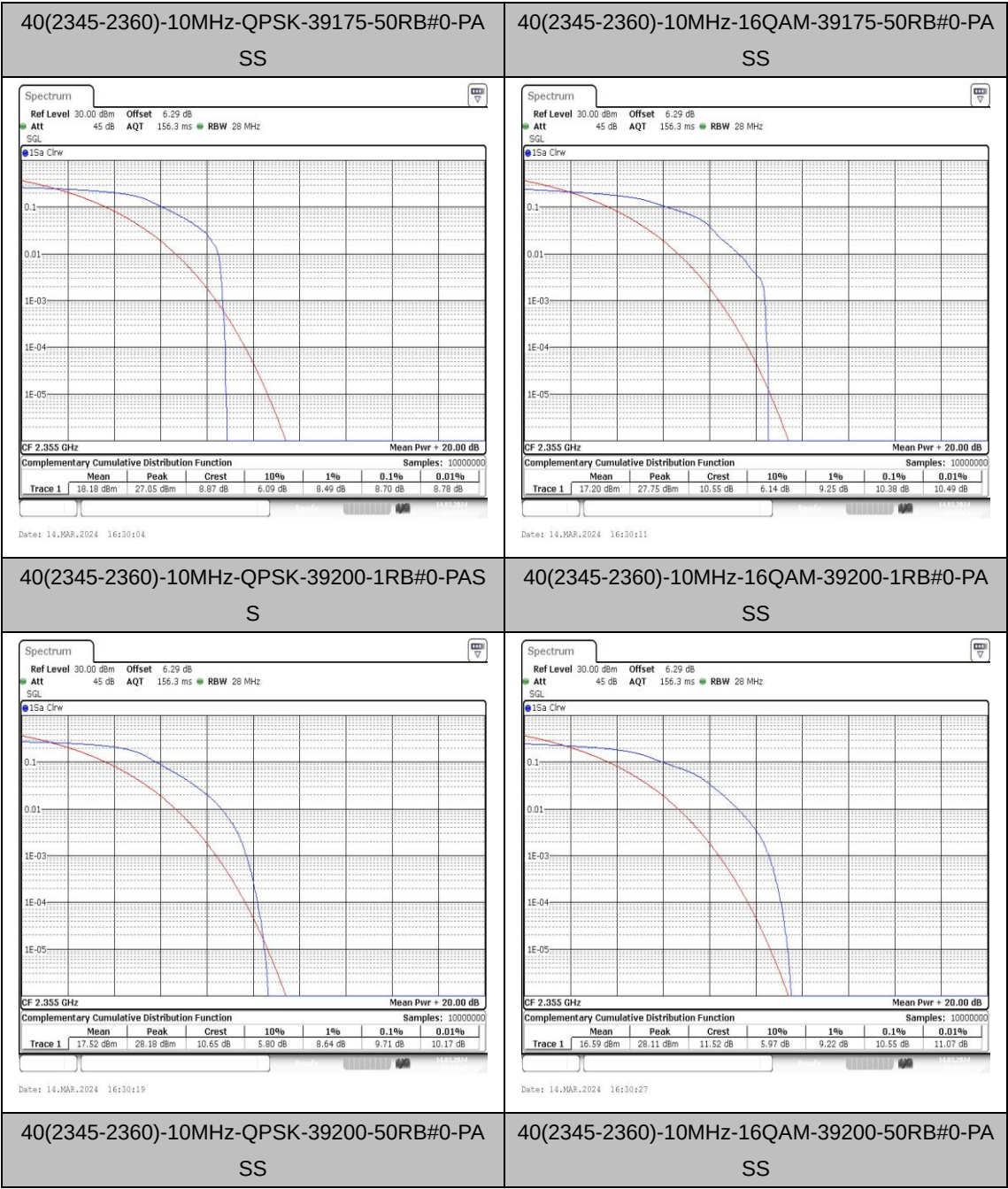
Test Result

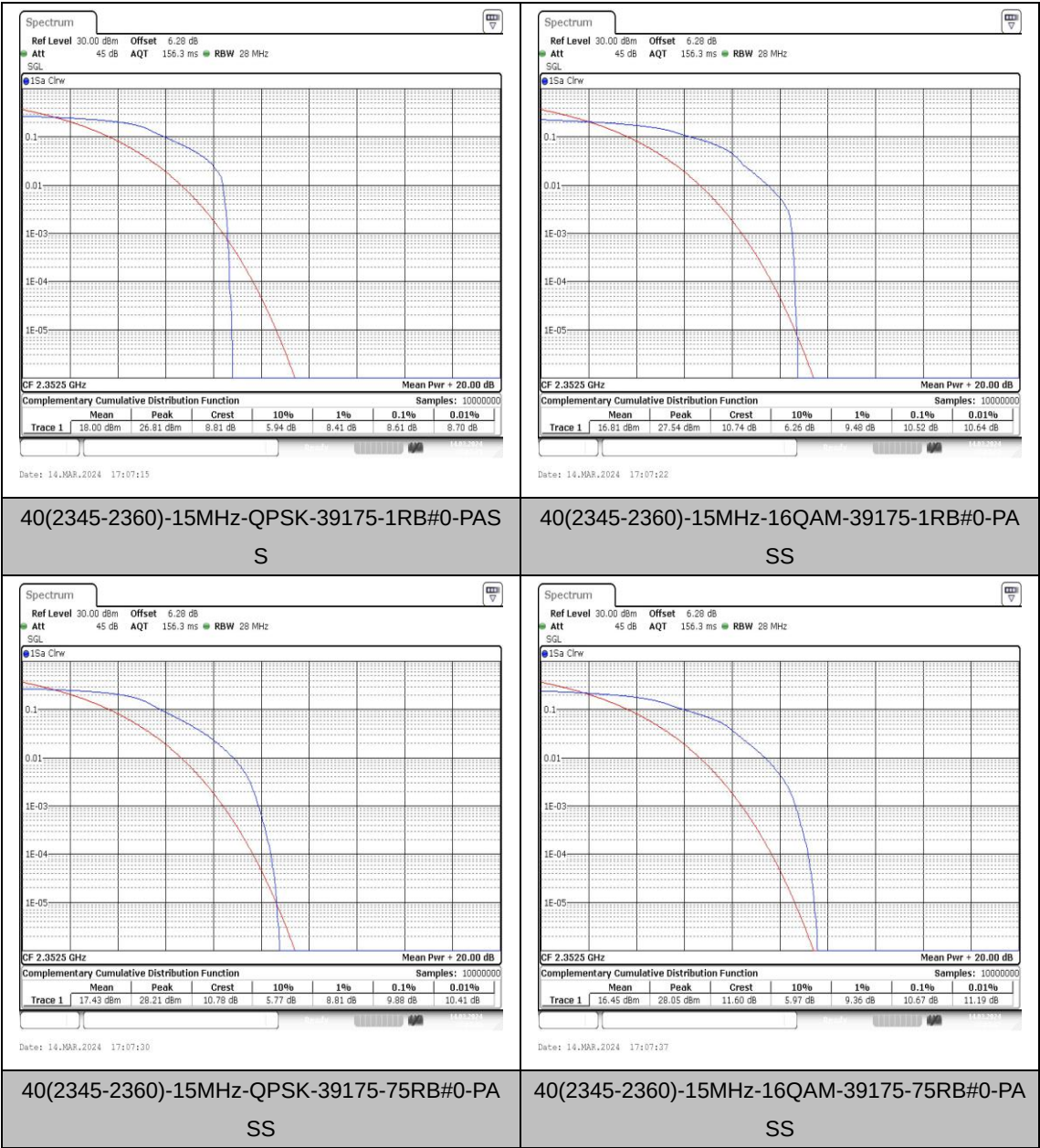
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
40(2345-2360)	5MHz	QPSK	39125	1RB#0	8.61	13	PASS
40(2345-2360)	5MHz	16QAM	39125	1RB#0	10.17	13	PASS
40(2345-2360)	5MHz	QPSK	39125	25RB#0	9.91	13	PASS
40(2345-2360)	5MHz	16QAM	39125	25RB#0	10.75	13	PASS
40(2345-2360)	5MHz	QPSK	39175	1RB#0	8.87	13	PASS
40(2345-2360)	5MHz	16QAM	39175	1RB#0	10.20	13	PASS
40(2345-2360)	5MHz	QPSK	39175	25RB#0	9.83	13	PASS
40(2345-2360)	5MHz	16QAM	39175	25RB#0	10.78	13	PASS
40(2345-2360)	5MHz	QPSK	39225	1RB#0	8.64	13	PASS
40(2345-2360)	5MHz	16QAM	39225	1RB#0	10.20	13	PASS
40(2345-2360)	5MHz	QPSK	39225	25RB#0	9.77	13	PASS
40(2345-2360)	5MHz	16QAM	39225	25RB#0	10.58	13	PASS
40(2345-2360)	10MHz	QPSK	39150	1RB#0	8.67	13	PASS
40(2345-2360)	10MHz	16QAM	39150	1RB#0	10.49	13	PASS
40(2345-2360)	10MHz	QPSK	39150	50RB#0	9.71	13	PASS
40(2345-2360)	10MHz	16QAM	39150	50RB#0	10.84	13	PASS
40(2345-2360)	10MHz	QPSK	39175	1RB#0	8.58	13	PASS
40(2345-2360)	10MHz	16QAM	39175	1RB#0	10.29	13	PASS
40(2345-2360)	10MHz	QPSK	39175	50RB#0	9.68	13	PASS
40(2345-2360)	10MHz	16QAM	39175	50RB#0	10.58	13	PASS
40(2345-2360)	10MHz	QPSK	39200	1RB#0	8.70	13	PASS
40(2345-2360)	10MHz	16QAM	39200	1RB#0	10.38	13	PASS
40(2345-2360)	10MHz	QPSK	39200	50RB#0	9.71	13	PASS
40(2345-2360)	10MHz	16QAM	39200	50RB#0	10.55	13	PASS
40(2345-2360)	15MHz	QPSK	39175	1RB#0	8.61	13	PASS
40(2345-2360)	15MHz	16QAM	39175	1RB#0	10.52	13	PASS
40(2345-2360)	15MHz	QPSK	39175	75RB#0	9.88	13	PASS
40(2345-2360)	15MHz	16QAM	39175	75RB#0	10.67	13	PASS









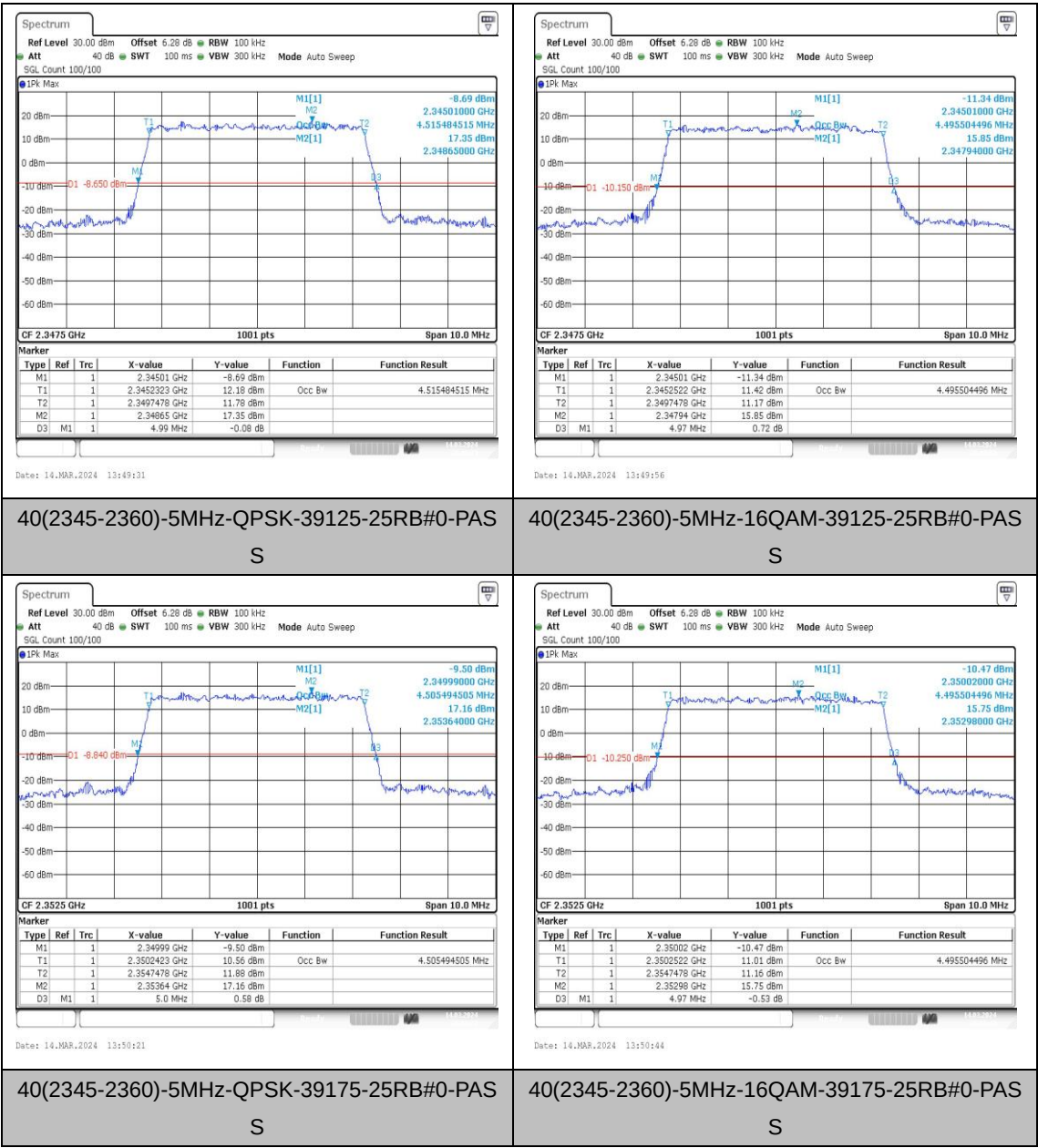


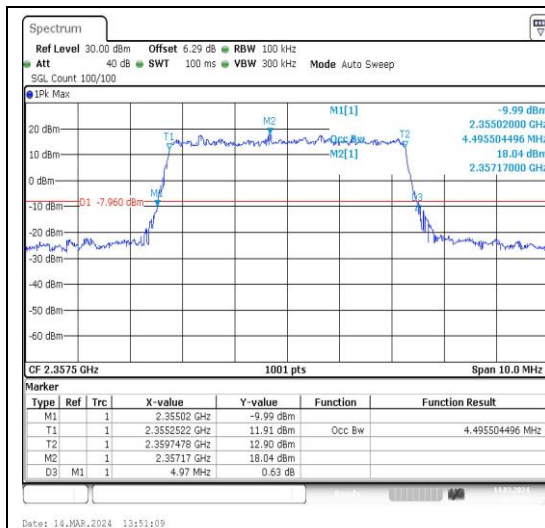
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
40(2345-2360)	5MHz	QPSK	39125	25RB#0	4.515	4.99	PASS
40(2345-2360)	5MHz	16QAM	39125	25RB#0	4.496	4.97	PASS
40(2345-2360)	5MHz	QPSK	39175	25RB#0	4.505	5.00	PASS
40(2345-2360)	5MHz	16QAM	39175	25RB#0	4.496	4.97	PASS
40(2345-2360)	5MHz	QPSK	39225	25RB#0	4.496	4.97	PASS
40(2345-2360)	5MHz	16QAM	39225	25RB#0	4.496	4.96	PASS
40(2345-2360)	10MHz	QPSK	39150	50RB#0	8.952	9.83	PASS
40(2345-2360)	10MHz	16QAM	39150	50RB#0	8.985	9.83	PASS
40(2345-2360)	10MHz	QPSK	39175	50RB#0	8.952	9.80	PASS
40(2345-2360)	10MHz	16QAM	39175	50RB#0	8.985	9.80	PASS
40(2345-2360)	10MHz	QPSK	39200	50RB#0	8.952	9.83	PASS
40(2345-2360)	10MHz	16QAM	39200	50RB#0	8.952	9.77	PASS
40(2345-2360)	15MHz	QPSK	39175	75RB#0	13.444	14.57	PASS
40(2345-2360)	15MHz	16QAM	39175	75RB#0	13.411	14.57	PASS

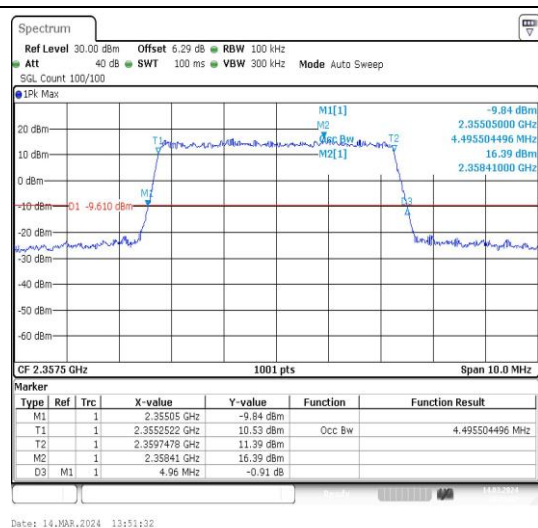
Test Graphs





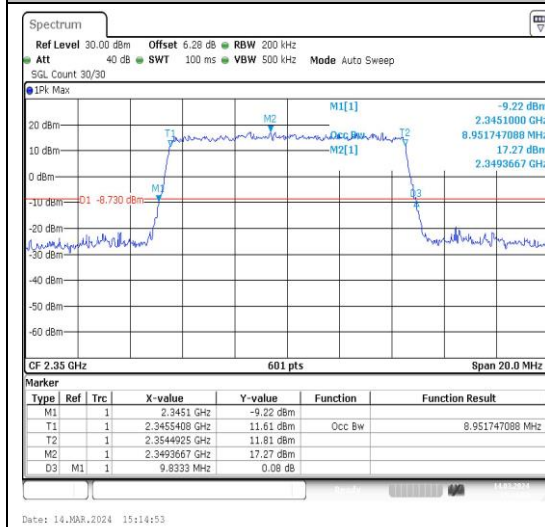
40(2345-2360)-5MHz-QPSK-39225-25RB#0-PAS

S



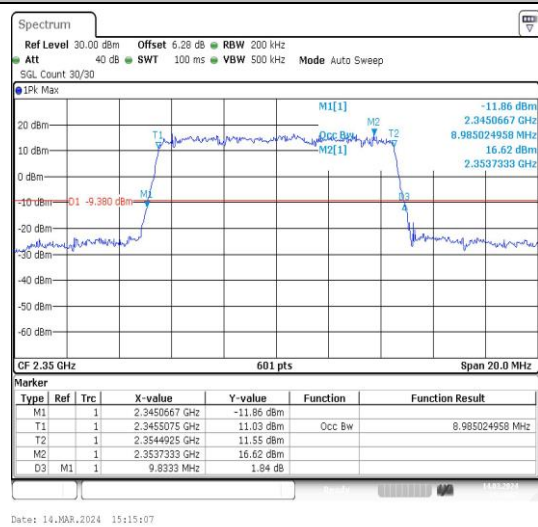
40(2345-2360)-5MHz-16QAM-39225-25RB#0-PAS

S



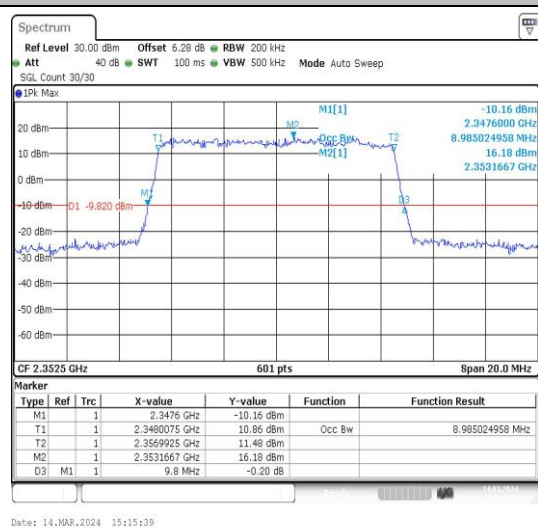
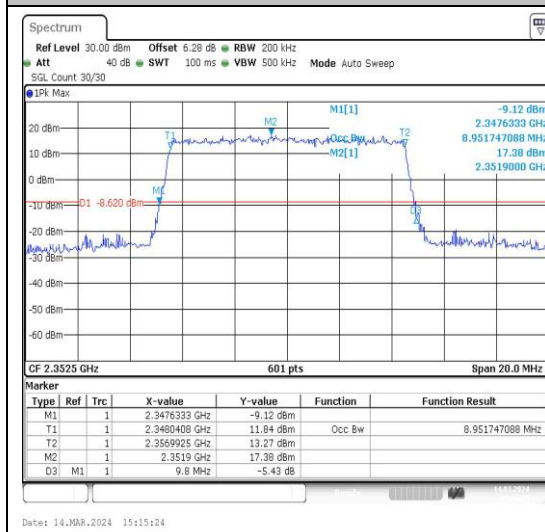
40(2345-2360)-10MHz-QPSK-39150-50RB#0-PA

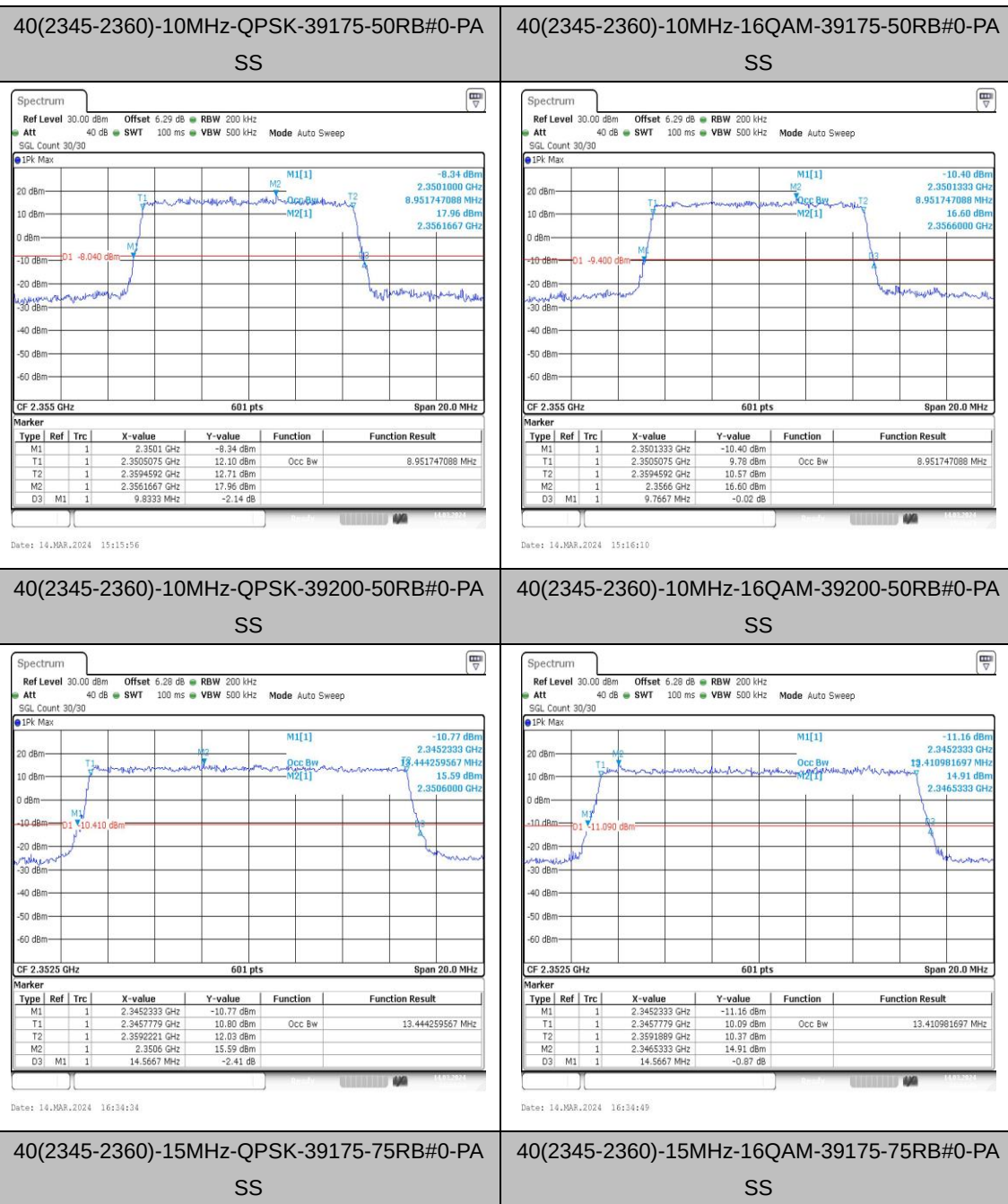
SS



40(2345-2360)-10MHz-16QAM-39150-50RB#0-PA

SS



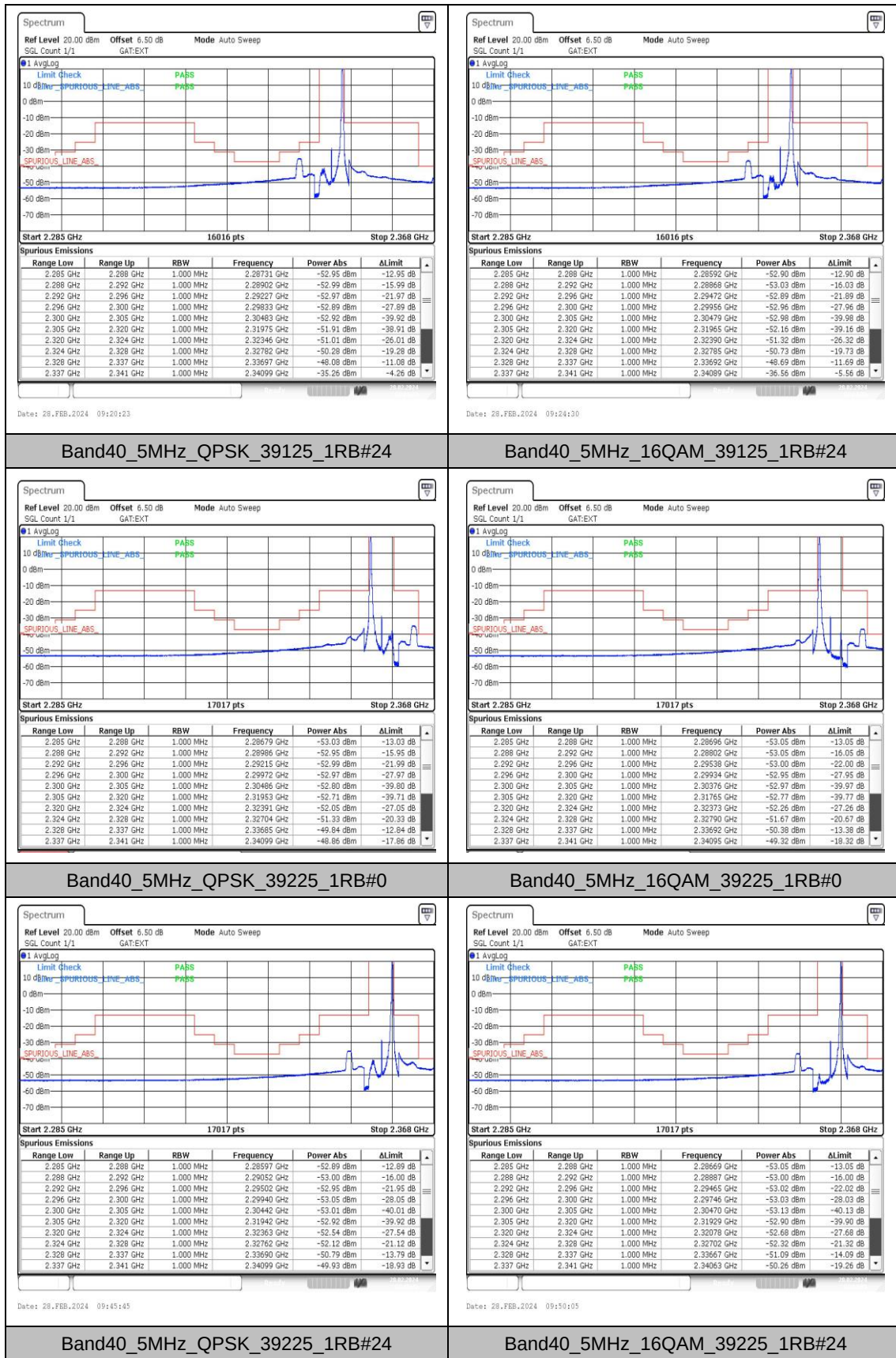


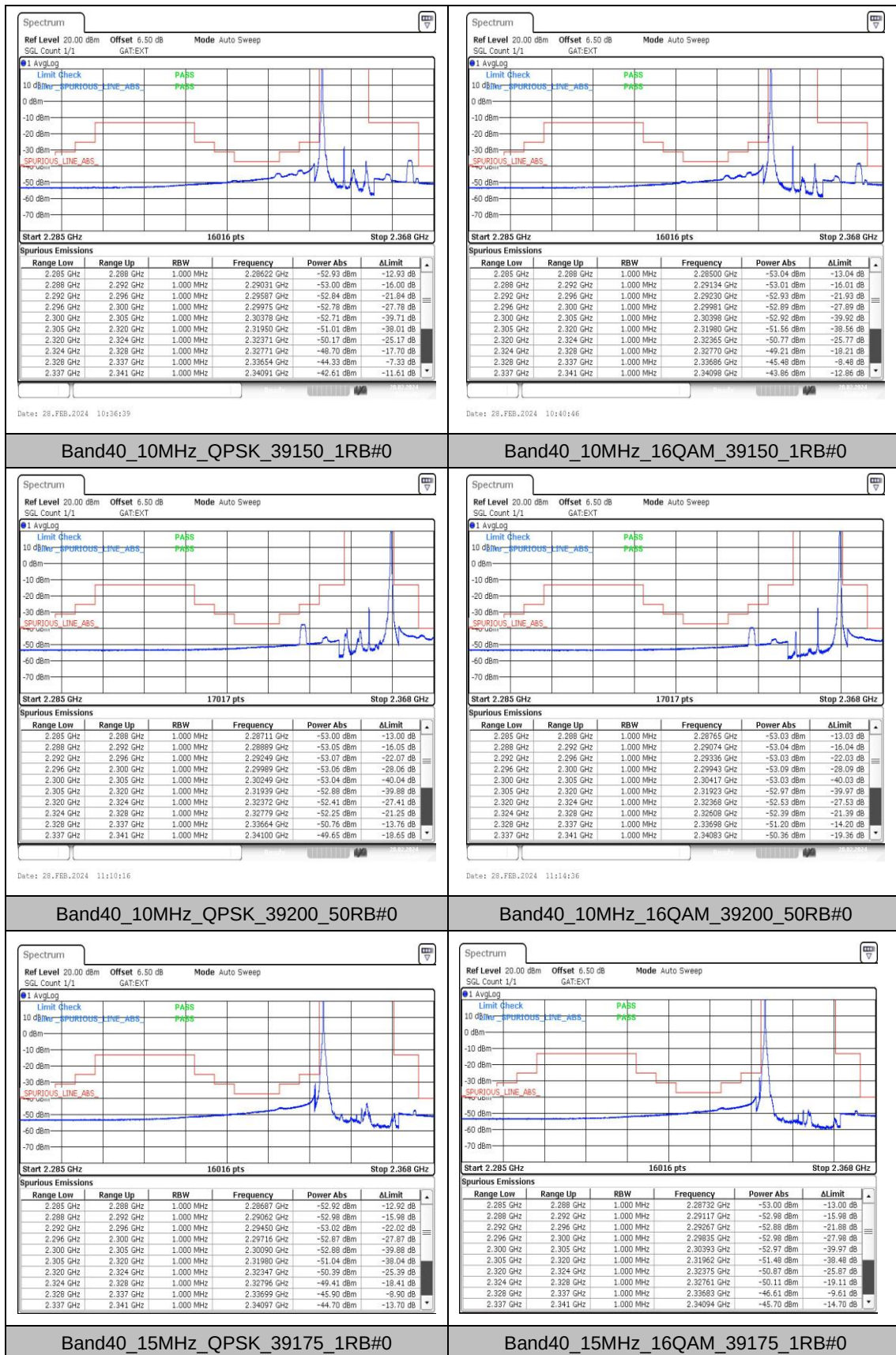
Appendix D: Band Edge

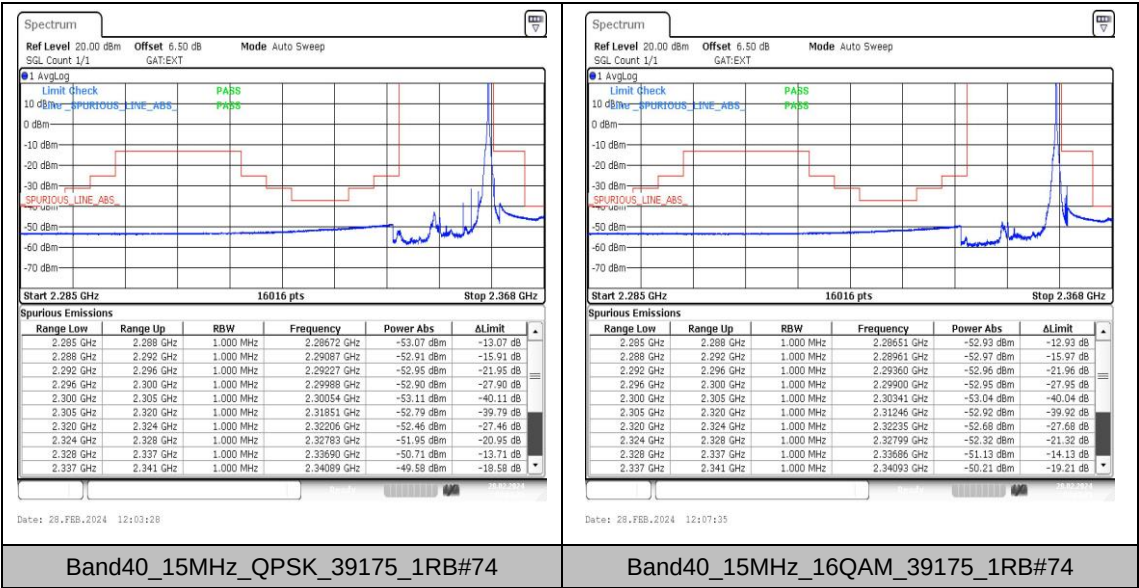
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
40(2345-2360)	5MHz	QPSK	39125	1RB#24	PASS
40(2345-2360)	5MHz	16QAM	39125	1RB#24	PASS
40(2345-2360)	5MHz	QPSK	39225	1RB#0	PASS
40(2345-2360)	5MHz	16QAM	39225	1RB#0	PASS
40(2345-2360)	5MHz	QPSK	39225	1RB#24	PASS
40(2345-2360)	5MHz	16QAM	39225	1RB#24	PASS
40(2345-2360)	10MHz	QPSK	39150	1RB#0	PASS
40(2345-2360)	10MHz	16QAM	39150	1RB#0	PASS
40(2345-2360)	10MHz	QPSK	39200	1RB#49	PASS
40(2345-2360)	10MHz	16QAM	39200	1RB#49	PASS
40(2345-2360)	15MHz	QPSK	39175	1RB#0	PASS
40(2345-2360)	15MHz	16QAM	39175	1RB#0	PASS
40(2345-2360)	15MHz	QPSK	39175	1RB#74	PASS
40(2345-2360)	15MHz	16QAM	39175	1RB#74	PASS

Test Graphs







Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Verdict
40(2345-2360)	5MHz	QPSK	39125	1RB#0	0.009~0.15	PASS
40(2345-2360)	5MHz	QPSK	39125	1RB#0	0.15~30	PASS
40(2345-2360)	5MHz	QPSK	39125	1RB#0	30~1000	PASS
40(2345-2360)	5MHz	QPSK	39125	1RB#0	1000~3000	PASS
40(2345-2360)	5MHz	QPSK	39125	1RB#0	3000~26500	PASS
40(2345-2360)	5MHz	16QAM	39125	1RB#0	0.009~0.15	PASS
40(2345-2360)	5MHz	16QAM	39125	1RB#0	0.15~30	PASS
40(2345-2360)	5MHz	16QAM	39125	1RB#0	30~1000	PASS
40(2345-2360)	5MHz	16QAM	39125	1RB#0	1000~3000	PASS
40(2345-2360)	5MHz	16QAM	39125	1RB#0	3000~26500	PASS
40(2345-2360)	5MHz	QPSK	39175	1RB#0	0.009~0.15	PASS
40(2345-2360)	5MHz	QPSK	39175	1RB#0	0.15~30	PASS
40(2345-2360)	5MHz	QPSK	39175	1RB#0	30~1000	PASS
40(2345-2360)	5MHz	QPSK	39175	1RB#0	1000~3000	PASS
40(2345-2360)	5MHz	QPSK	39175	1RB#0	3000~26500	PASS
40(2345-2360)	5MHz	16QAM	39175	1RB#0	0.009~0.15	PASS
40(2345-2360)	5MHz	16QAM	39175	1RB#0	0.15~30	PASS
40(2345-2360)	5MHz	16QAM	39175	1RB#0	30~1000	PASS
40(2345-2360)	5MHz	16QAM	39175	1RB#0	1000~3000	PASS
40(2345-2360)	5MHz	16QAM	39175	1RB#0	3000~26500	PASS
40(2345-2360)	5MHz	QPSK	39225	1RB#0	0.009~0.15	PASS
40(2345-2360)	5MHz	QPSK	39225	1RB#0	0.15~30	PASS
40(2345-2360)	5MHz	QPSK	39225	1RB#0	30~1000	PASS
40(2345-2360)	5MHz	QPSK	39225	1RB#0	1000~3000	PASS
40(2345-2360)	5MHz	QPSK	39225	1RB#0	3000~26500	PASS
40(2345-2360)	5MHz	16QAM	39225	1RB#0	0.009~0.15	PASS
40(2345-2360)	5MHz	16QAM	39225	1RB#0	0.15~30	PASS
40(2345-2360)	5MHz	16QAM	39225	1RB#0	30~1000	PASS
40(2345-2360)	5MHz	16QAM	39225	1RB#0	1000~3000	PASS
40(2345-2360)	5MHz	16QAM	39225	1RB#0	3000~26500	PASS
40(2345-2360)	10MHz	QPSK	39150	1RB#0	0.009~0.15	PASS
40(2345-2360)	10MHz	QPSK	39150	1RB#0	0.15~30	PASS
40(2345-2360)	10MHz	QPSK	39150	1RB#0	30~1000	PASS
40(2345-2360)	10MHz	QPSK	39150	1RB#0	1000~3000	PASS
40(2345-2360)	10MHz	QPSK	39150	1RB#0	3000~26500	PASS
40(2345-2360)	10MHz	16QAM	39150	1RB#0	0.009~0.15	PASS

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40(2345-2360)	10MHz	16QAM	39150	1RB#0	0.15~30	PASS
40(2345-2360)	10MHz	16QAM	39150	1RB#0	30~1000	PASS
40(2345-2360)	10MHz	16QAM	39150	1RB#0	1000~3000	PASS
40(2345-2360)	10MHz	16QAM	39150	1RB#0	3000~26500	PASS
40(2345-2360)	10MHz	QPSK	39175	1RB#0	0.009~0.15	PASS
40(2345-2360)	10MHz	QPSK	39175	1RB#0	0.15~30	PASS
40(2345-2360)	10MHz	QPSK	39175	1RB#0	30~1000	PASS
40(2345-2360)	10MHz	QPSK	39175	1RB#0	1000~3000	PASS
40(2345-2360)	10MHz	QPSK	39175	1RB#0	3000~26500	PASS
40(2345-2360)	10MHz	16QAM	39175	1RB#0	0.009~0.15	PASS
40(2345-2360)	10MHz	16QAM	39175	1RB#0	0.15~30	PASS
40(2345-2360)	10MHz	16QAM	39175	1RB#0	30~1000	PASS
40(2345-2360)	10MHz	16QAM	39175	1RB#0	1000~3000	PASS
40(2345-2360)	10MHz	16QAM	39175	1RB#0	3000~26500	PASS
40(2345-2360)	10MHz	QPSK	39200	1RB#0	0.009~0.15	PASS
40(2345-2360)	10MHz	QPSK	39200	1RB#0	0.15~30	PASS
40(2345-2360)	10MHz	QPSK	39200	1RB#0	30~1000	PASS
40(2345-2360)	10MHz	QPSK	39200	1RB#0	1000~3000	PASS
40(2345-2360)	10MHz	QPSK	39200	1RB#0	3000~26500	PASS
40(2345-2360)	10MHz	16QAM	39200	1RB#0	0.009~0.15	PASS
40(2345-2360)	10MHz	16QAM	39200	1RB#0	0.15~30	PASS
40(2345-2360)	10MHz	16QAM	39200	1RB#0	30~1000	PASS
40(2345-2360)	10MHz	16QAM	39200	1RB#0	1000~3000	PASS
40(2345-2360)	10MHz	16QAM	39200	1RB#0	3000~26500	PASS
40(2345-2360)	15MHz	QPSK	39175	1RB#0	0.009~0.15	PASS
40(2345-2360)	15MHz	QPSK	39175	1RB#0	0.15~30	PASS
40(2345-2360)	15MHz	QPSK	39175	1RB#0	30~1000	PASS
40(2345-2360)	15MHz	QPSK	39175	1RB#0	1000~3000	PASS
40(2345-2360)	15MHz	QPSK	39175	1RB#0	3000~26500	PASS
40(2345-2360)	15MHz	16QAM	39175	1RB#0	0.009~0.15	PASS
40(2345-2360)	15MHz	16QAM	39175	1RB#0	0.15~30	PASS
40(2345-2360)	15MHz	16QAM	39175	1RB#0	30~1000	PASS
40(2345-2360)	15MHz	16QAM	39175	1RB#0	1000~3000	PASS
40(2345-2360)	15MHz	16QAM	39175	1RB#0	3000~26500	PASS

Test Graphs

