

Appendix for LTE Band 40_2305-2315MHz

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band40	10MHz	16QAM	38750	1RB#0	23.24	PASS
Band40	10MHz	16QAM	38750	1RB#24	23.65	PASS
Band40	10MHz	16QAM	38750	1RB#49	23.25	PASS
Band40	10MHz	16QAM	38750	25RB#0	22.05	PASS
Band40	10MHz	16QAM	38750	25RB#12	22.07	PASS
Band40	10MHz	16QAM	38750	25RB#25	21.95	PASS
Band40	10MHz	16QAM	38750	50RB#0	21.93	PASS
Band40	10MHz	QPSK	38750	1RB#0	24.13	PASS
Band40	10MHz	QPSK	38750	1RB#24	23.65	PASS
Band40	10MHz	QPSK	38750	1RB#49	23.65	PASS
Band40	10MHz	QPSK	38750	25RB#0	22.87	PASS
Band40	10MHz	QPSK	38750	25RB#12	22.84	PASS
Band40	10MHz	QPSK	38750	25RB#25	22.85	PASS
Band40	10MHz	QPSK	38750	50RB#0	22.84	PASS
Band40	5MHz	16QAM	38725	12RB#0	21.91	PASS
Band40	5MHz	16QAM	38725	12RB#13	21.95	PASS
Band40	5MHz	16QAM	38725	12RB#6	21.91	PASS
Band40	5MHz	16QAM	38725	1RB#0	23.16	PASS
Band40	5MHz	16QAM	38725	1RB#12	23.23	PASS
Band40	5MHz	16QAM	38725	1RB#24	23.12	PASS
Band40	5MHz	16QAM	38725	25RB#0	21.89	PASS
Band40	5MHz	16QAM	38750	12RB#0	21.92	PASS
Band40	5MHz	16QAM	38750	12RB#13	21.90	PASS
Band40	5MHz	16QAM	38750	12RB#6	21.90	PASS
Band40	5MHz	16QAM	38750	1RB#0	23.18	PASS
Band40	5MHz	16QAM	38750	1RB#12	23.25	PASS
Band40	5MHz	16QAM	38750	1RB#24	23.11	PASS
Band40	5MHz	16QAM	38750	25RB#0	21.89	PASS
Band40	5MHz	16QAM	38775	12RB#0	21.93	PASS
Band40	5MHz	16QAM	38775	12RB#13	21.95	PASS

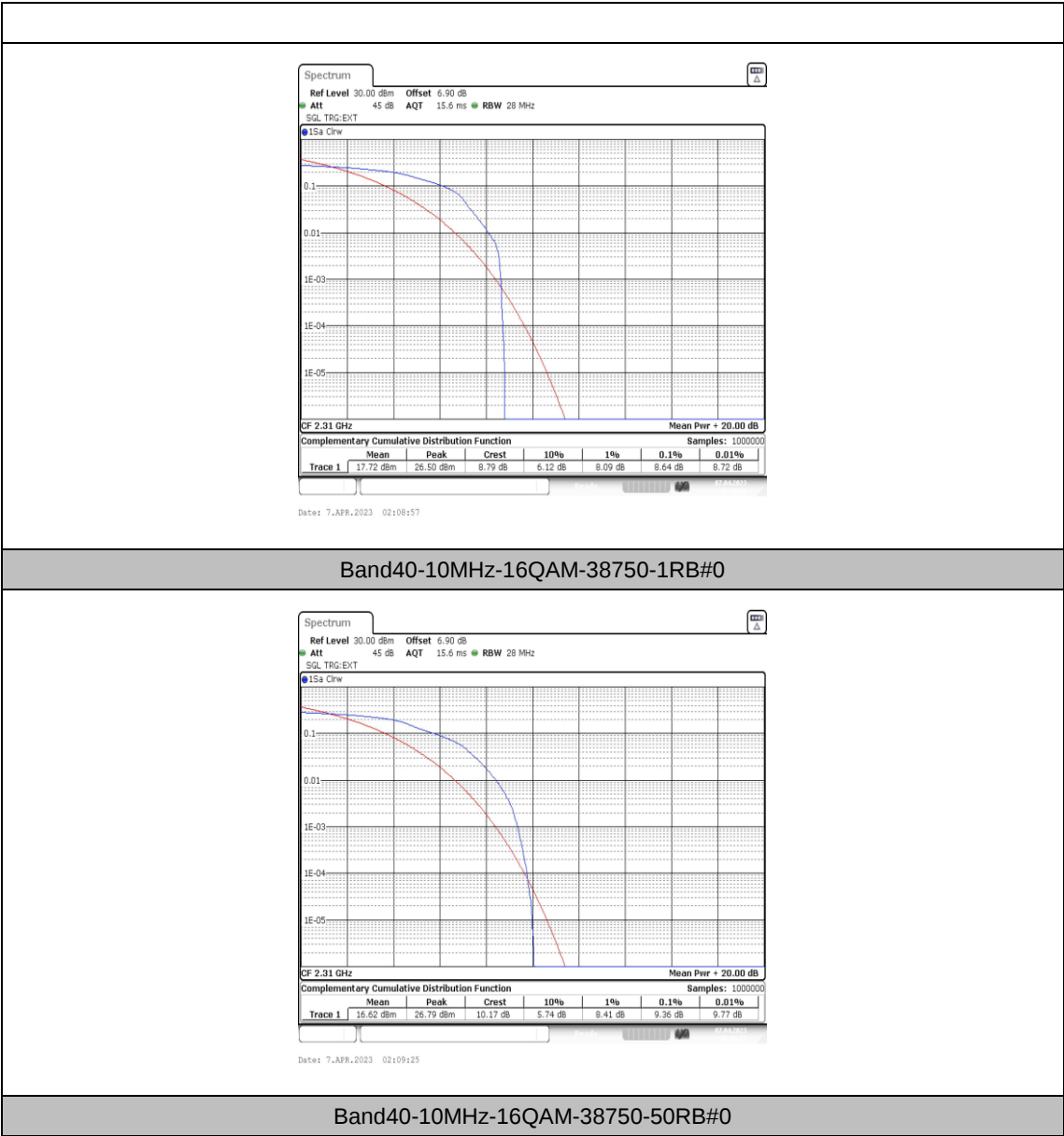
Band40	5MHz	16QAM	38775	12RB#6	21.90	PASS
Band40	5MHz	16QAM	38775	1RB#0	22.98	PASS
Band40	5MHz	16QAM	38775	1RB#12	22.97	PASS
Band40	5MHz	16QAM	38775	1RB#24	22.95	PASS
Band40	5MHz	16QAM	38775	25RB#0	21.82	PASS
Band40	5MHz	QPSK	38725	12RB#0	22.82	PASS
Band40	5MHz	QPSK	38725	12RB#13	22.86	PASS
Band40	5MHz	QPSK	38725	12RB#6	22.84	PASS
Band40	5MHz	QPSK	38725	1RB#0	23.98	PASS
Band40	5MHz	QPSK	38725	1RB#12	23.93	PASS
Band40	5MHz	QPSK	38725	1RB#24	23.89	PASS
Band40	5MHz	QPSK	38725	25RB#0	22.87	PASS
Band40	5MHz	QPSK	38750	12RB#0	22.85	PASS
Band40	5MHz	QPSK	38750	12RB#13	22.84	PASS
Band40	5MHz	QPSK	38750	12RB#6	22.84	PASS
Band40	5MHz	QPSK	38750	1RB#0	23.53	PASS
Band40	5MHz	QPSK	38750	1RB#12	23.47	PASS
Band40	5MHz	QPSK	38750	1RB#24	23.46	PASS
Band40	5MHz	QPSK	38750	25RB#0	22.85	PASS
Band40	5MHz	QPSK	38775	12RB#0	22.79	PASS
Band40	5MHz	QPSK	38775	12RB#13	22.83	PASS
Band40	5MHz	QPSK	38775	12RB#6	22.80	PASS
Band40	5MHz	QPSK	38775	1RB#0	24.00	PASS
Band40	5MHz	QPSK	38775	1RB#12	23.80	PASS
Band40	5MHz	QPSK	38775	1RB#24	23.94	PASS
Band40	5MHz	QPSK	38775	25RB#0	22.79	PASS

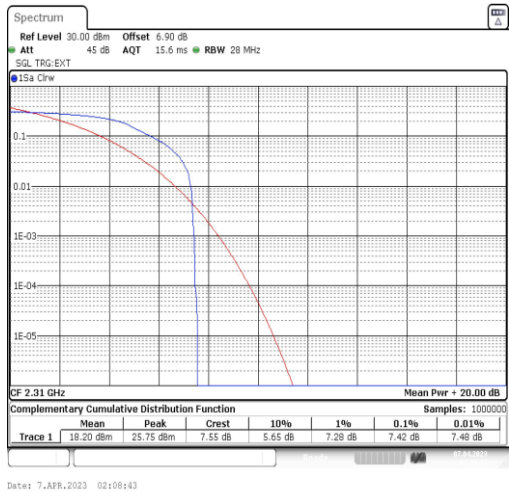
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

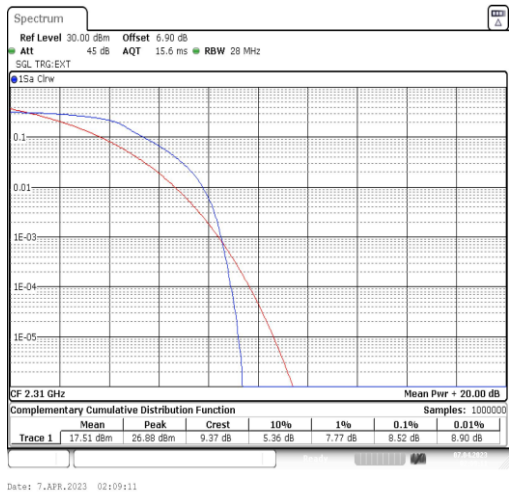
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band40	10MHz	16QAM	38750	1RB#0	8.64	13	PASS
Band40	10MHz	16QAM	38750	50RB#0	9.36	13	PASS
Band40	10MHz	QPSK	38750	1RB#0	7.42	13	PASS
Band40	10MHz	QPSK	38750	50RB#0	8.52	13	PASS
Band40	5MHz	16QAM	38725	1RB#0	8.70	13	PASS
Band40	5MHz	16QAM	38725	25RB#0	9.30	13	PASS
Band40	5MHz	16QAM	38750	1RB#0	8.58	13	PASS
Band40	5MHz	16QAM	38750	25RB#0	9.33	13	PASS
Band40	5MHz	16QAM	38775	1RB#0	8.72	13	PASS
Band40	5MHz	16QAM	38775	25RB#0	9.30	13	PASS
Band40	5MHz	QPSK	38725	1RB#0	7.39	13	PASS
Band40	5MHz	QPSK	38725	25RB#0	8.55	13	PASS
Band40	5MHz	QPSK	38750	1RB#0	7.54	13	PASS
Band40	5MHz	QPSK	38750	25RB#0	8.55	13	PASS
Band40	5MHz	QPSK	38775	1RB#0	7.36	13	PASS
Band40	5MHz	QPSK	38775	25RB#0	8.52	13	PASS

Test Graphs

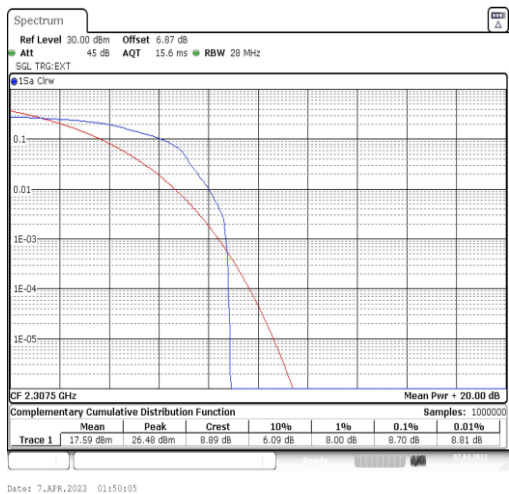




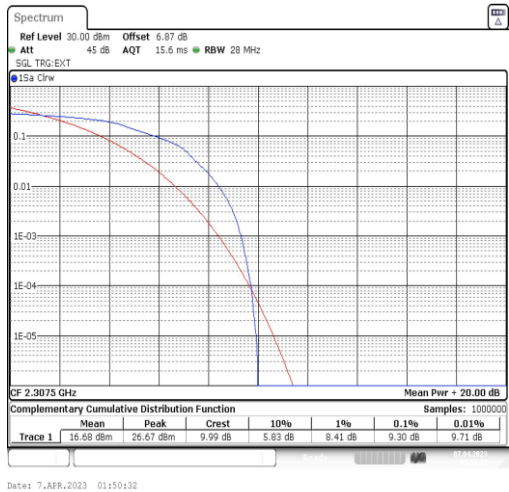
Band40-10MHz-QPSK-38750-1RB#0



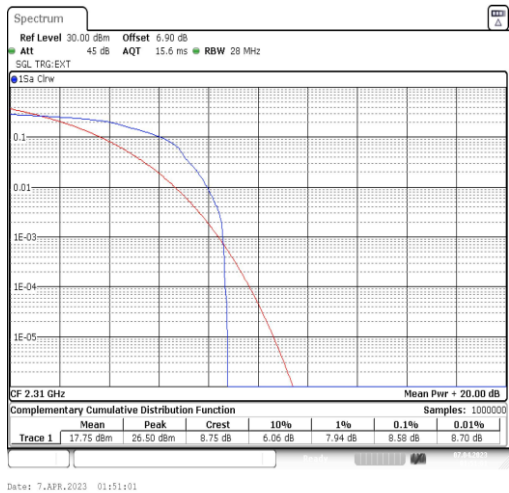
Band40-10MHz-QPSK-38750-50RB#0



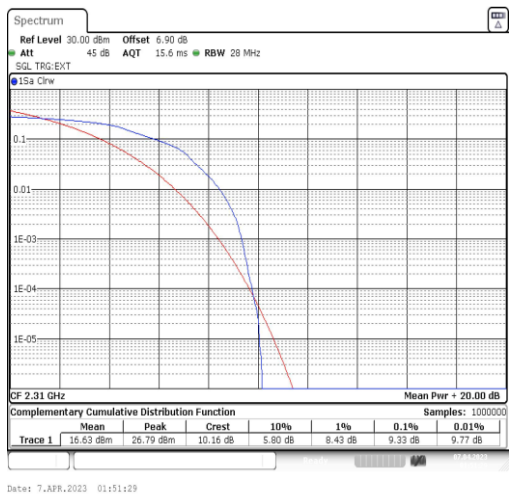
Band40-5MHz-16QAM-38725-1RB#0



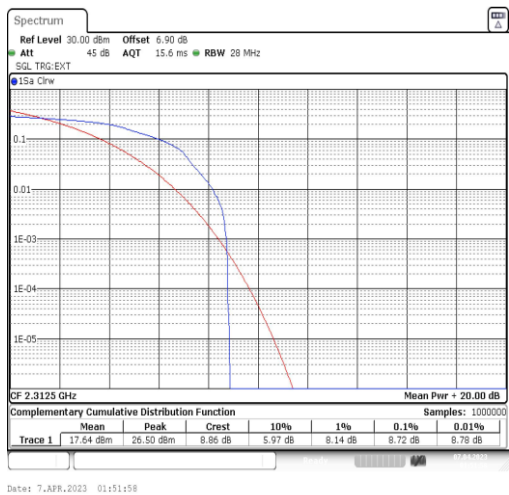
Band40-5MHz-16QAM-38725-25RB#0



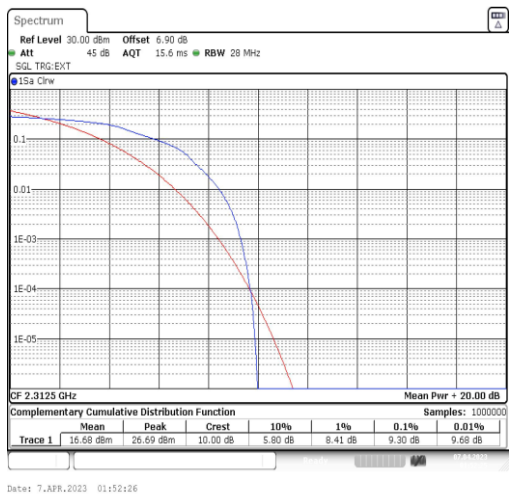
Band40-5MHz-16QAM-38750-1RB#0



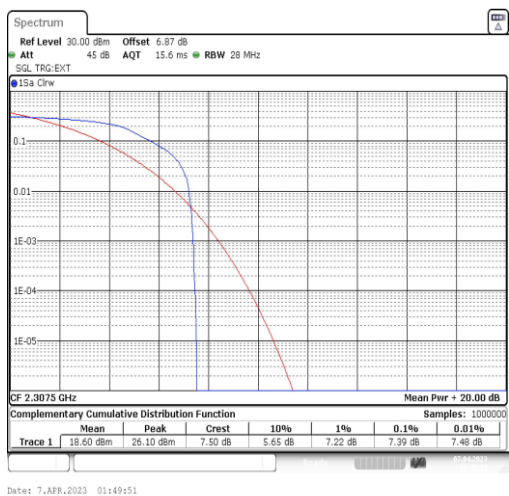
Band40-5MHz-16QAM-38750-25RB#0



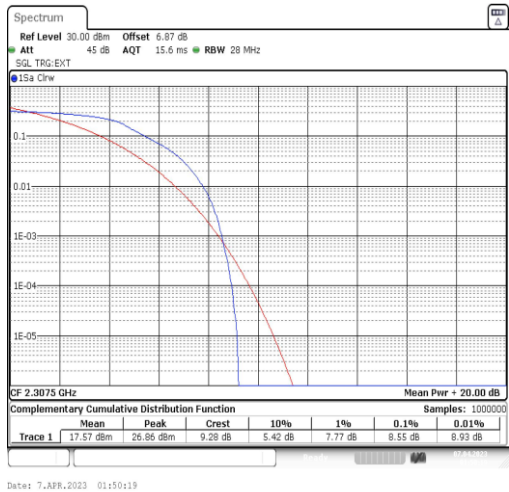
Band40-5MHz-16QAM-38775-1RB#0



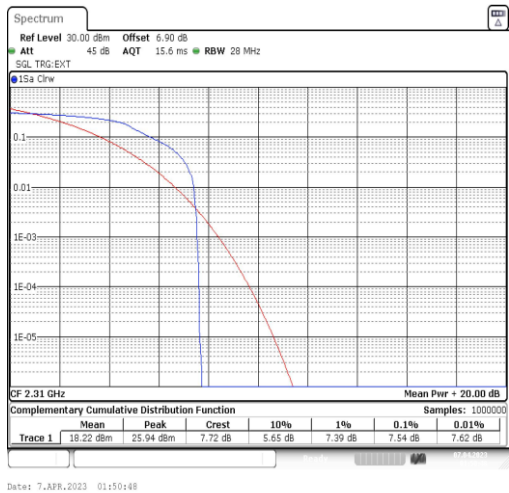
Band40-5MHz-16QAM-38775-25RB#0



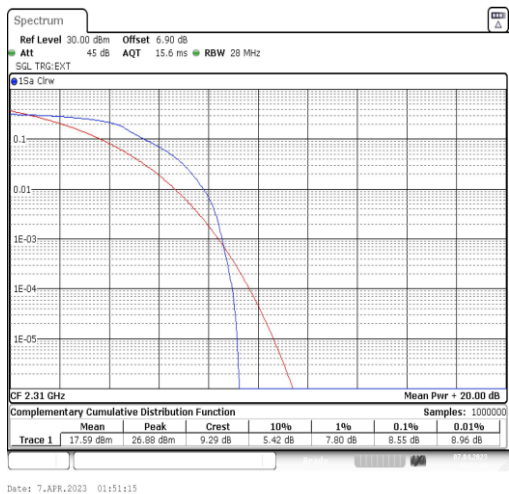
Band40-5MHz-QPSK-38725-1RB#0



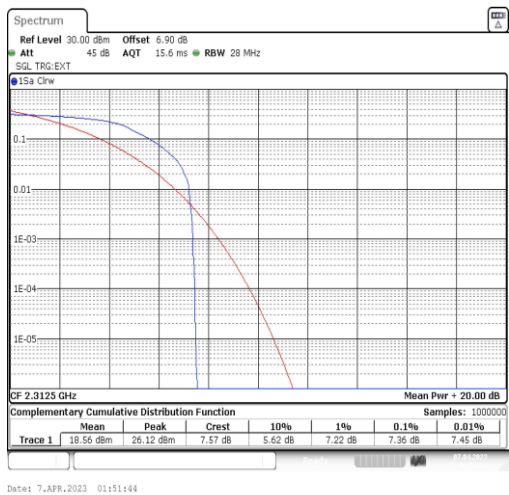
Band40-5MHz-QPSK-38725-25RB#0



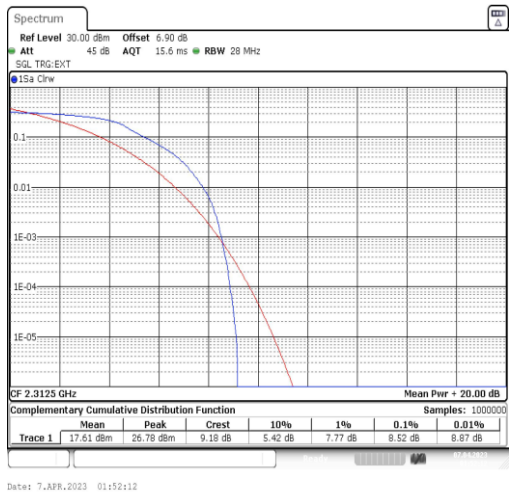
Band40-5MHz-QPSK-38750-1RB#0



Band40-5MHz-QPSK-38750-25RB#0



Band40-5MHz-QPSK-38775-1RB#0



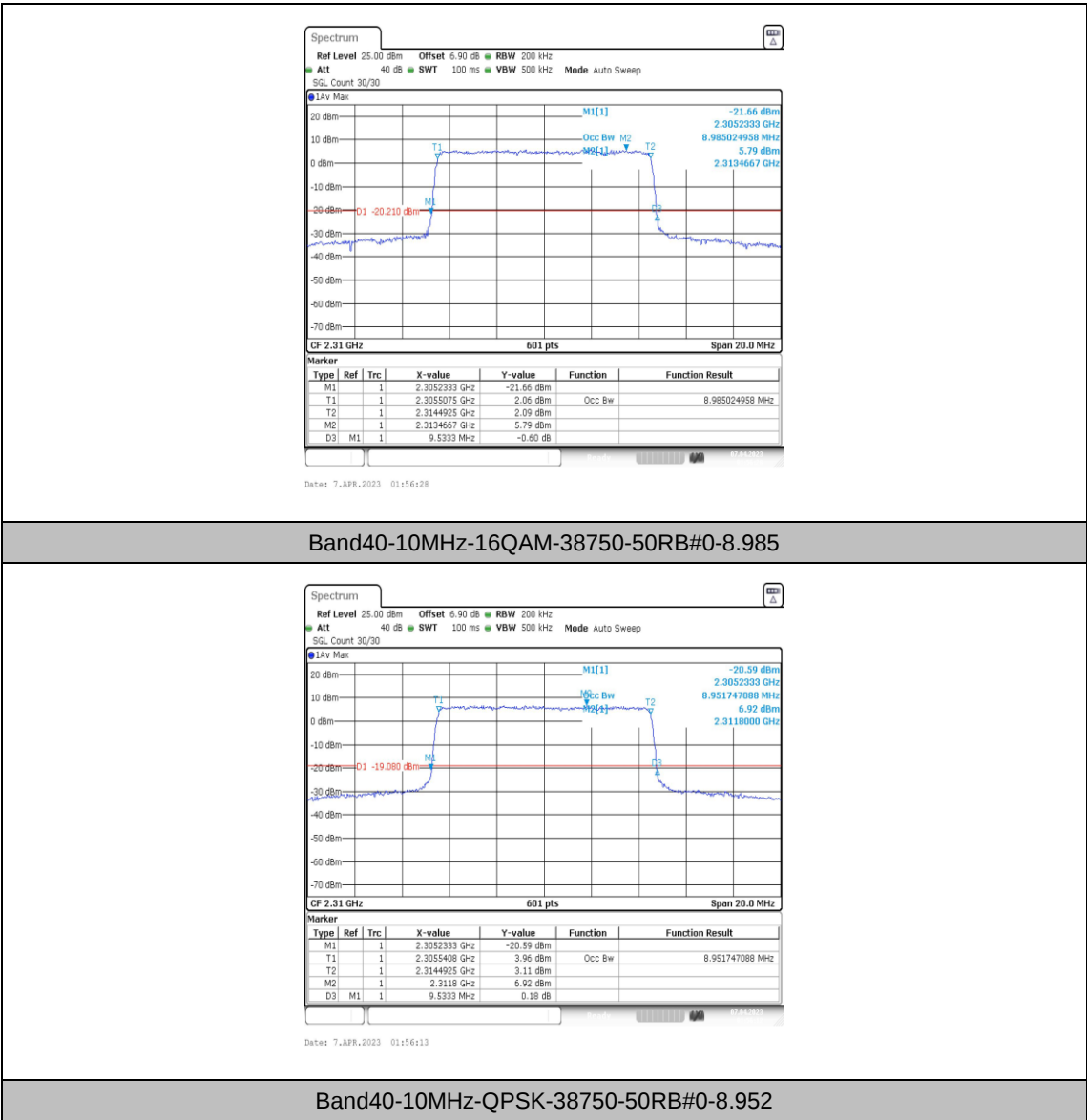
Band40-5MHz-QPSK-38775-25RB#0

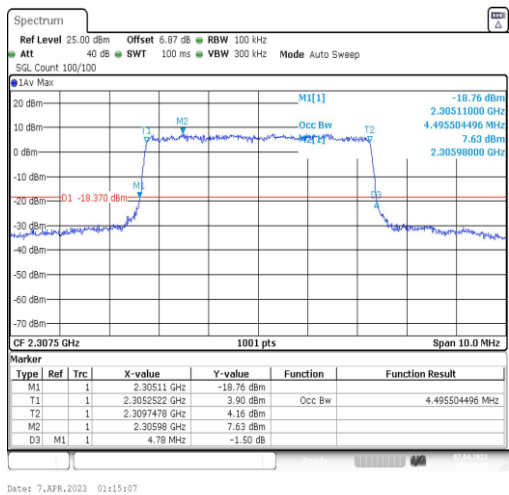
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

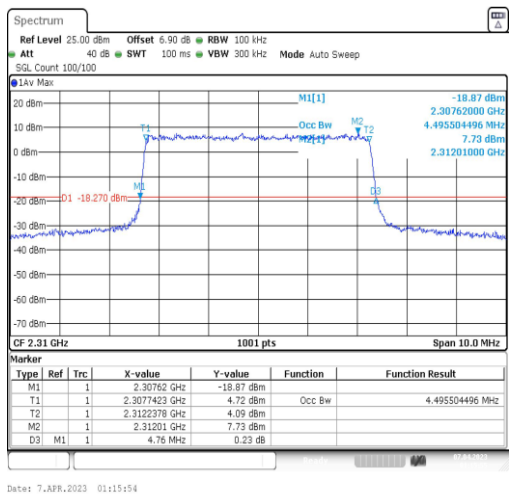
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band40	10MHz	16QAM	38750	50RB#0	8.985	9.53	PASS
Band40	10MHz	QPSK	38750	50RB#0	8.952	9.53	PASS
Band40	5MHz	16QAM	38725	25RB#0	4.496	4.78	PASS
Band40	5MHz	16QAM	38750	25RB#0	4.496	4.76	PASS
Band40	5MHz	16QAM	38775	25RB#0	4.515	4.78	PASS
Band40	5MHz	QPSK	38725	25RB#0	4.496	4.79	PASS
Band40	5MHz	QPSK	38750	25RB#0	4.496	4.78	PASS
Band40	5MHz	QPSK	38775	25RB#0	4.496	4.78	PASS

Test Graphs

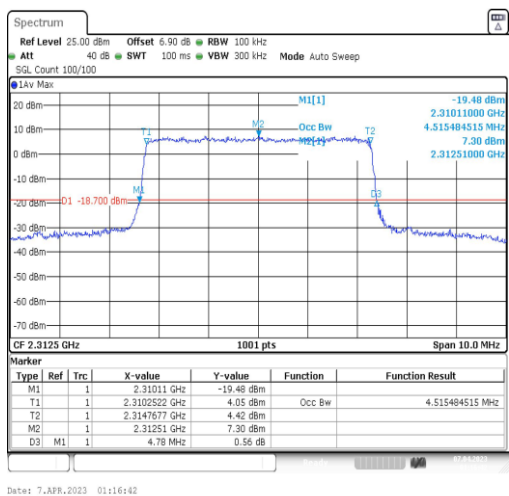




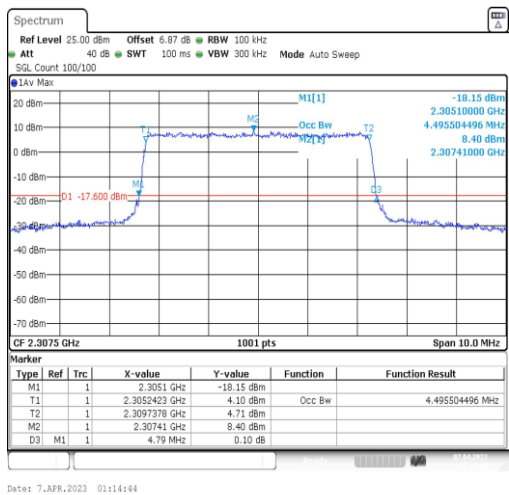
Band40-5MHz-16QAM-38725-25RB#0-4.496



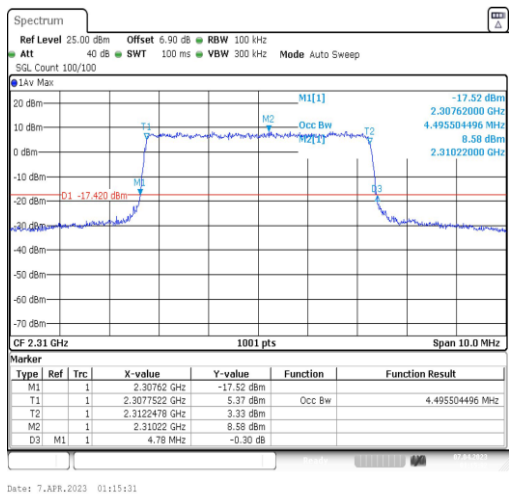
Band40-5MHz-16QAM-38750-25RB#0-4.496



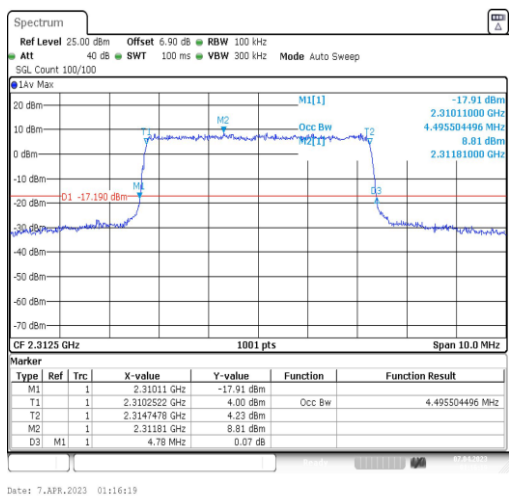
Band40-5MHz-16QAM-38775-25RB#0-4.515



Band40-5MHz-QPSK-38725-25RB#0-4.496



Band40-5MHz-QPSK-38750-25RB#0-4.496



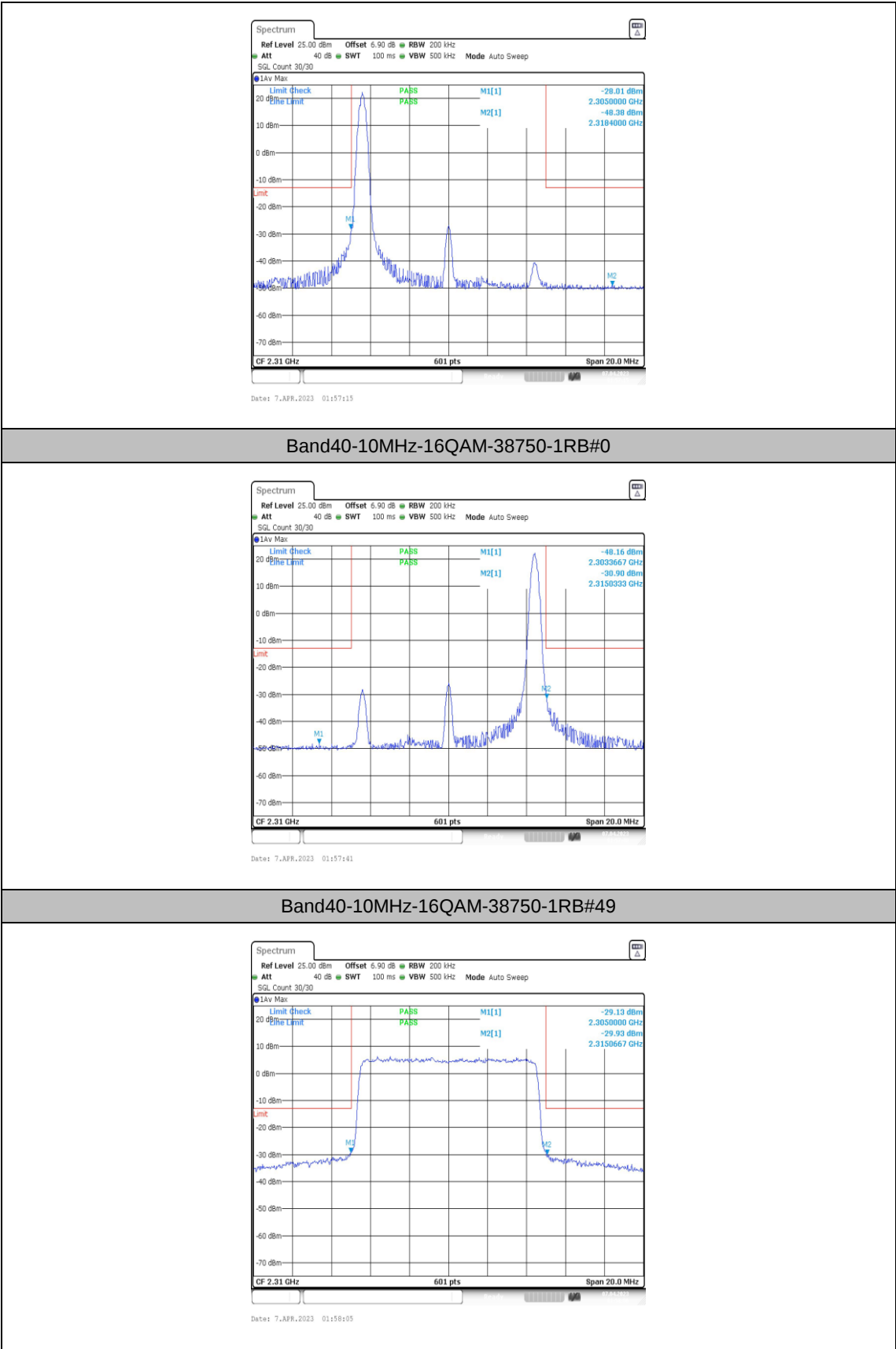
Band40-5MHz-QPSK-38775-25RB#0-4.496

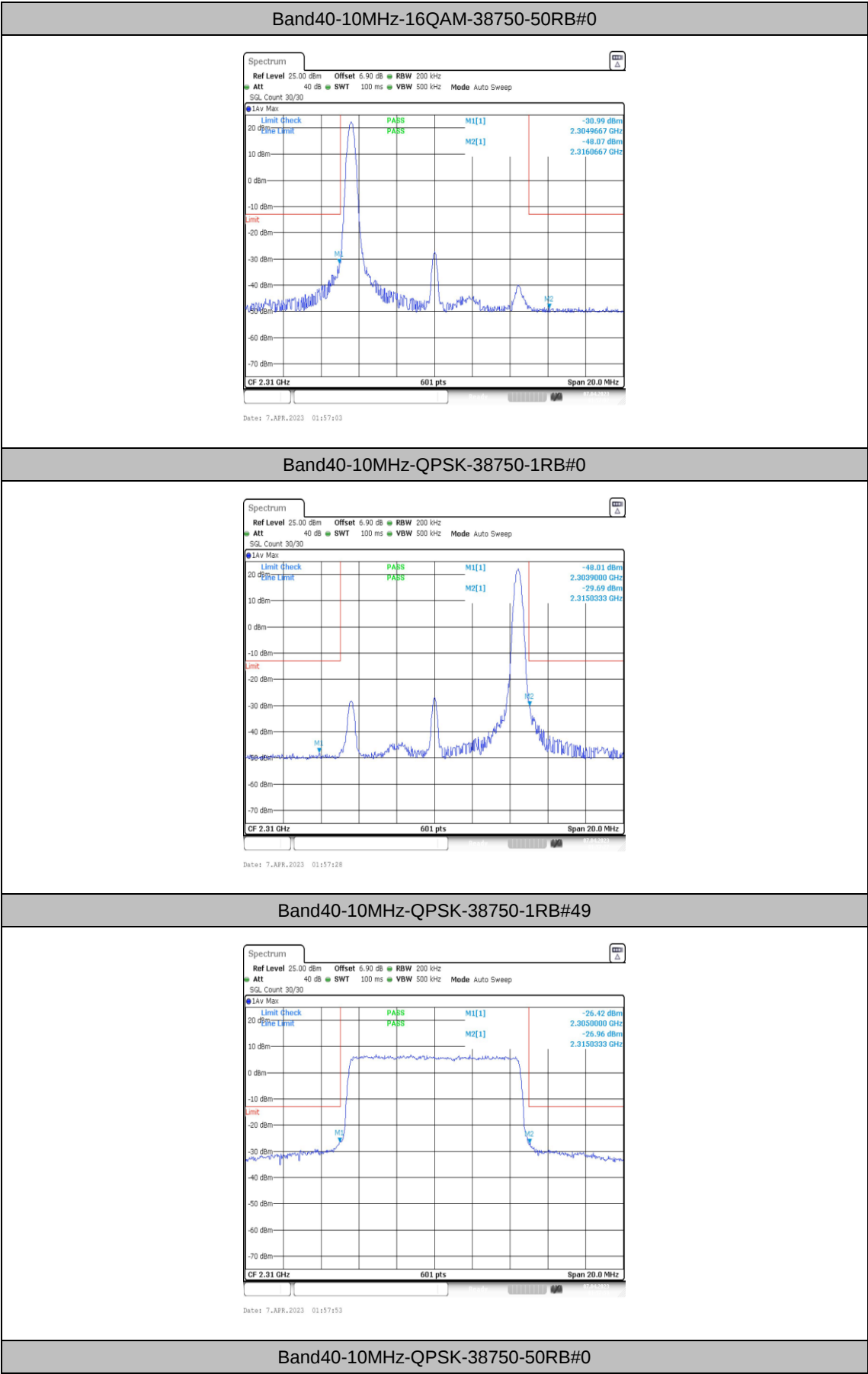
Appendix D: Band Edge

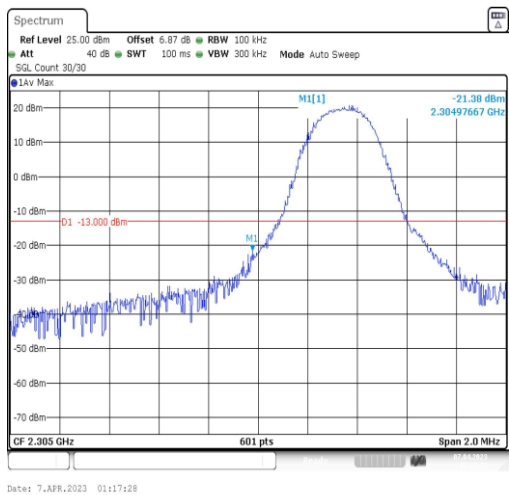
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band40	10MHz	16QAM	38750	1RB#0	-28.01,-48.38	PASS
Band40	10MHz	16QAM	38750	1RB#49	-48.16,-30.90	PASS
Band40	10MHz	16QAM	38750	50RB#0	-29.13,-29.93	PASS
Band40	10MHz	QPSK	38750	1RB#0	-30.99,-48.07	PASS
Band40	10MHz	QPSK	38750	1RB#49	-48.01,-29.69	PASS
Band40	10MHz	QPSK	38750	50RB#0	-26.42,-26.96	PASS
Band40	5MHz	16QAM	38725	1RB#0	-21.38	PASS
Band40	5MHz	16QAM	38725	1RB#24	-46.94	PASS
Band40	5MHz	16QAM	38725	25RB#0	-26.46	PASS
Band40	5MHz	16QAM	38775	1RB#0	-46.72	PASS
Band40	5MHz	16QAM	38775	1RB#24	-19.95	PASS
Band40	5MHz	16QAM	38775	25RB#0	-27.24	PASS
Band40	5MHz	QPSK	38725	1RB#0	-20.19	PASS
Band40	5MHz	QPSK	38725	1RB#24	-46.94	PASS
Band40	5MHz	QPSK	38725	25RB#0	-24.45	PASS
Band40	5MHz	QPSK	38775	1RB#0	-48.04	PASS
Band40	5MHz	QPSK	38775	1RB#24	-21.49	PASS
Band40	5MHz	QPSK	38775	25RB#0	-25.61	PASS

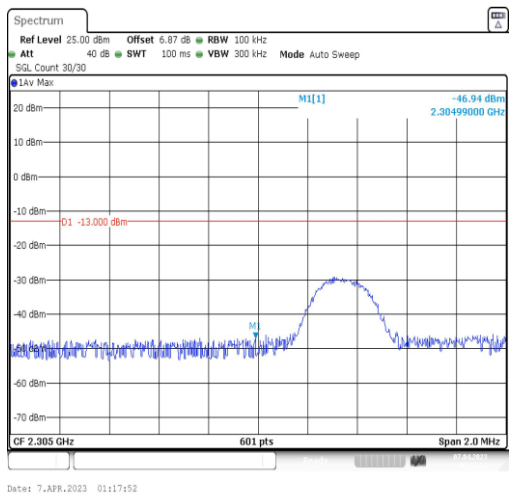
Test Graphs



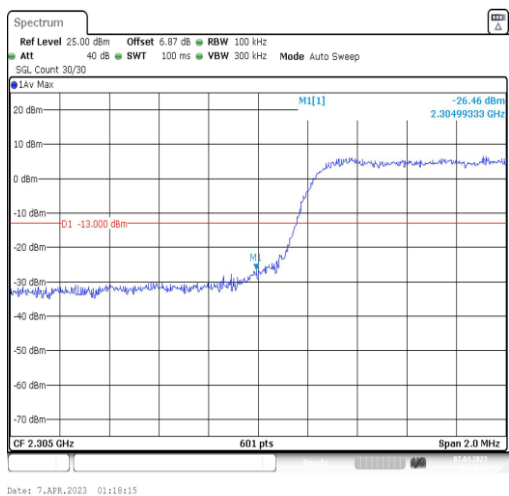




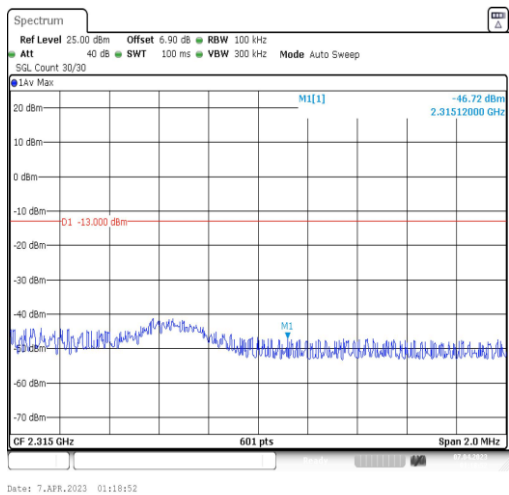
Band40-5MHz-16QAM-38725-1RB#0



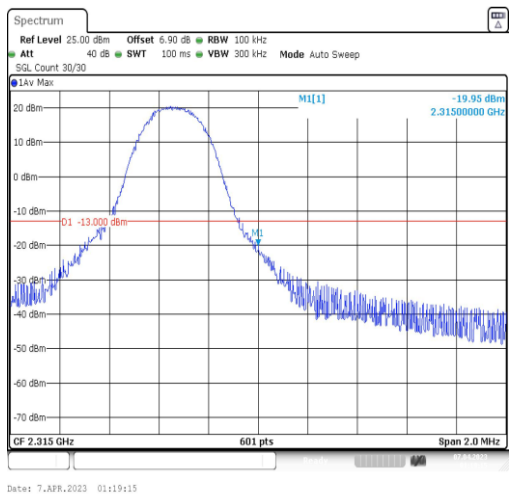
Band40-5MHz-16QAM-38725-1RB#24



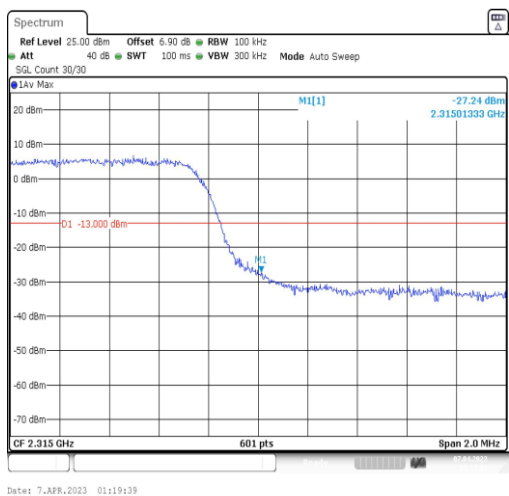
Band40-5MHz-16QAM-38725-25RB#0



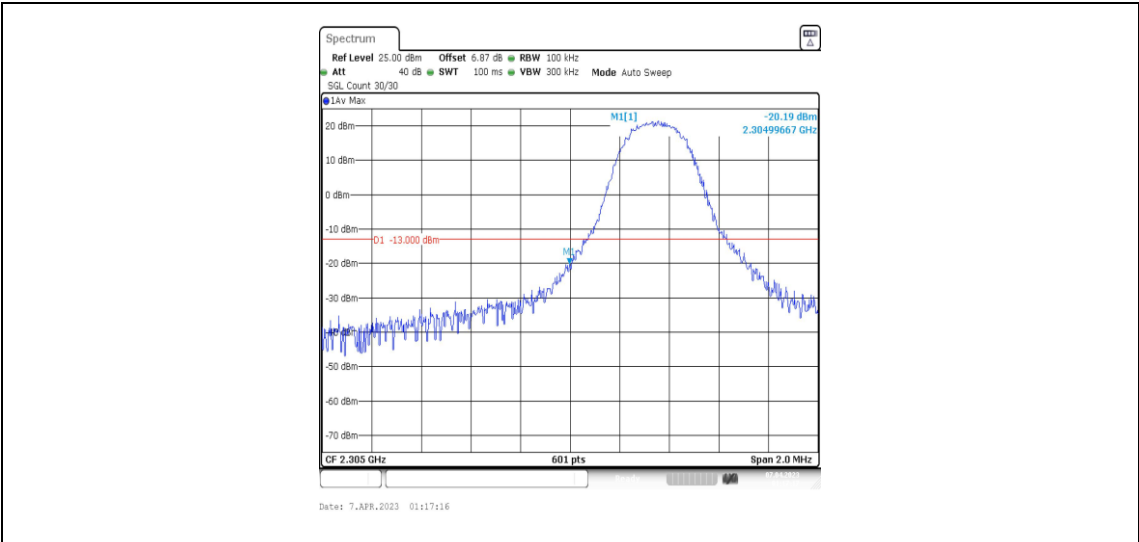
Band40-5MHz-16QAM-38775-1RB#0



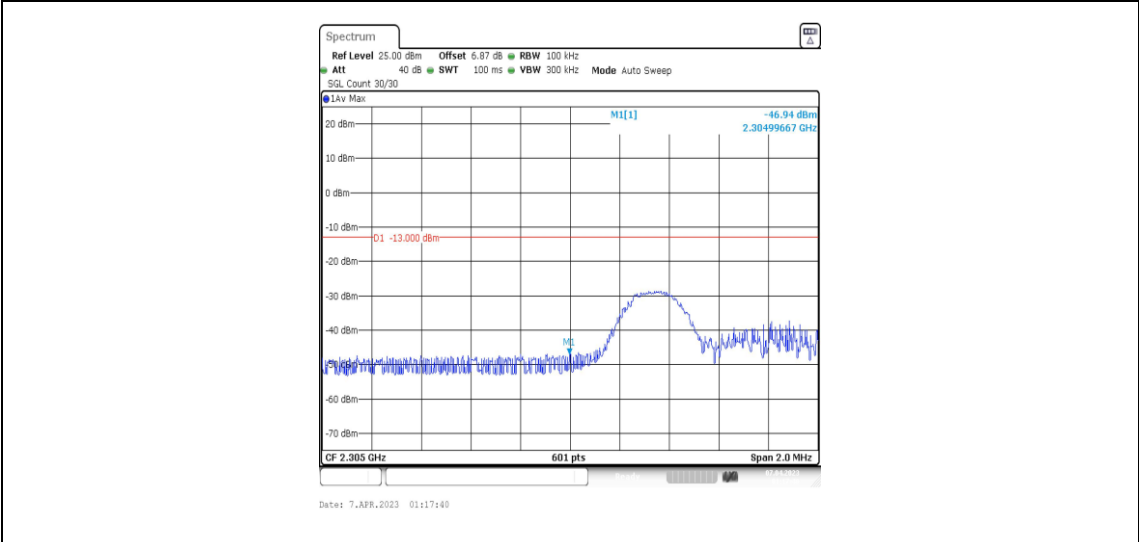
Band40-5MHz-16QAM-38775-1RB#24



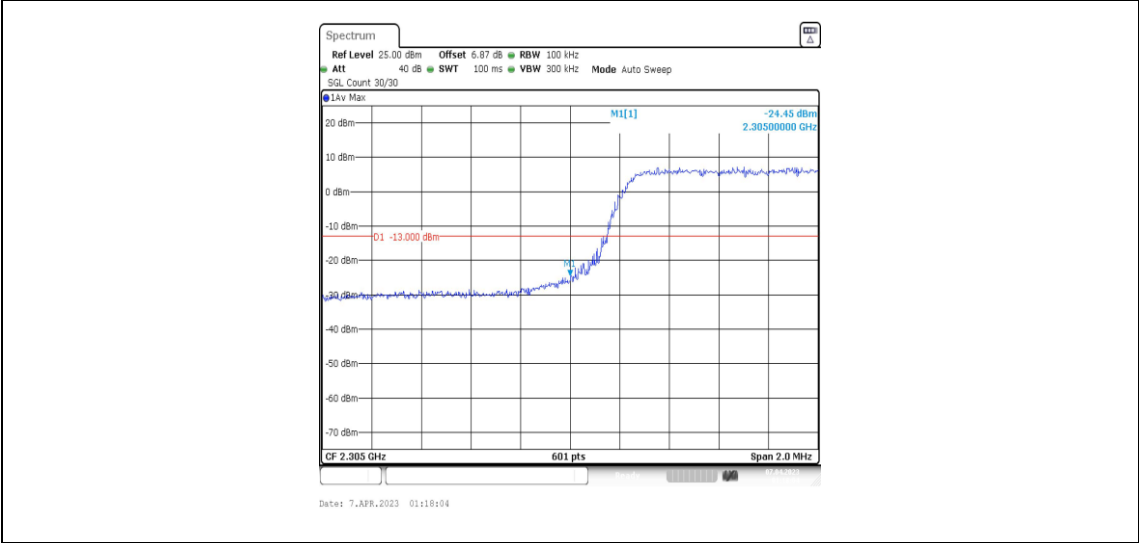
Band40-5MHz-16QAM-38775-25RB#0



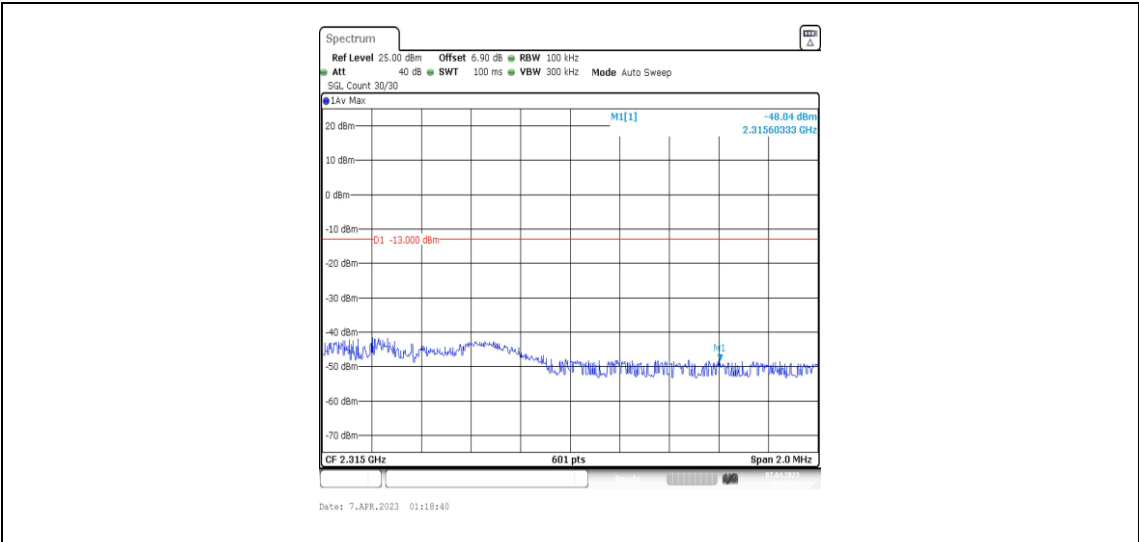
Band40-5MHz-QPSK-38725-1RB#0



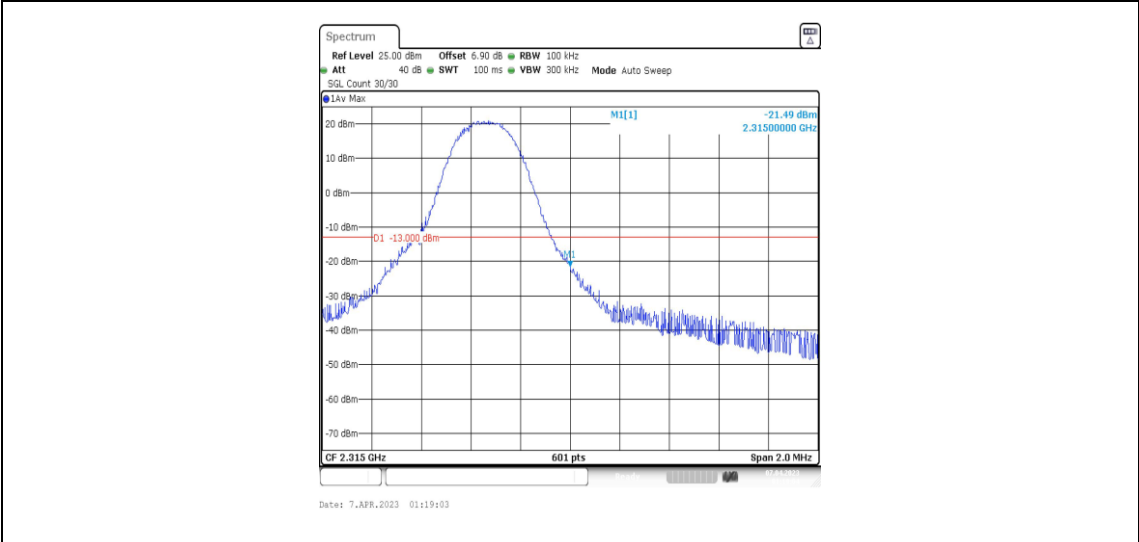
Band40-5MHz-QPSK-38725-1RB#24



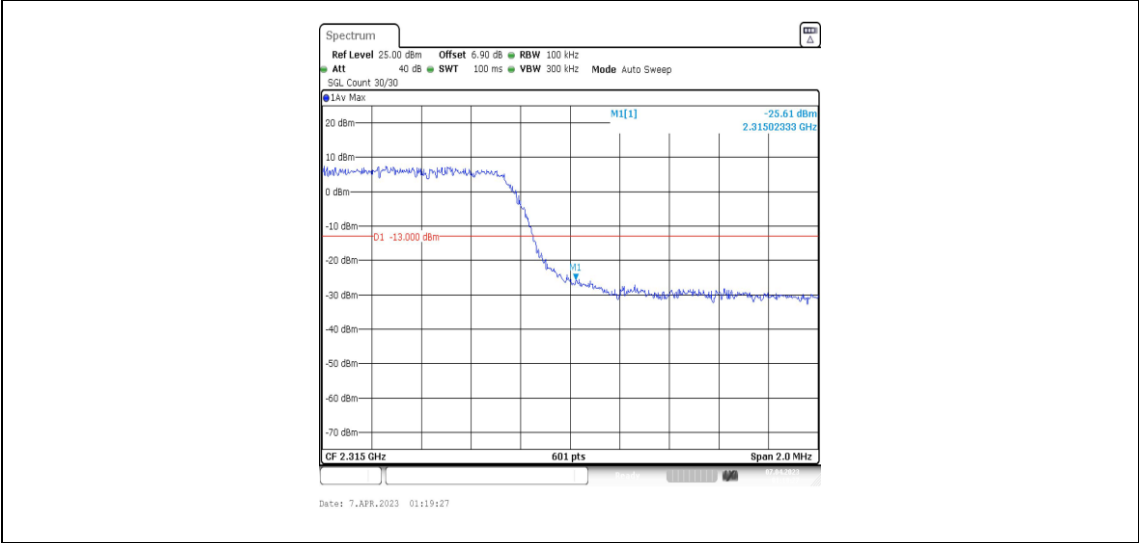
Band40-5MHz-QPSK-38725-25RB#0



Band40-5MHz-QPSK-38775-1RB#0



Band40-5MHz-QPSK-38775-1RB#24



Band40-5MHz-QPSK-38775-25RB#0

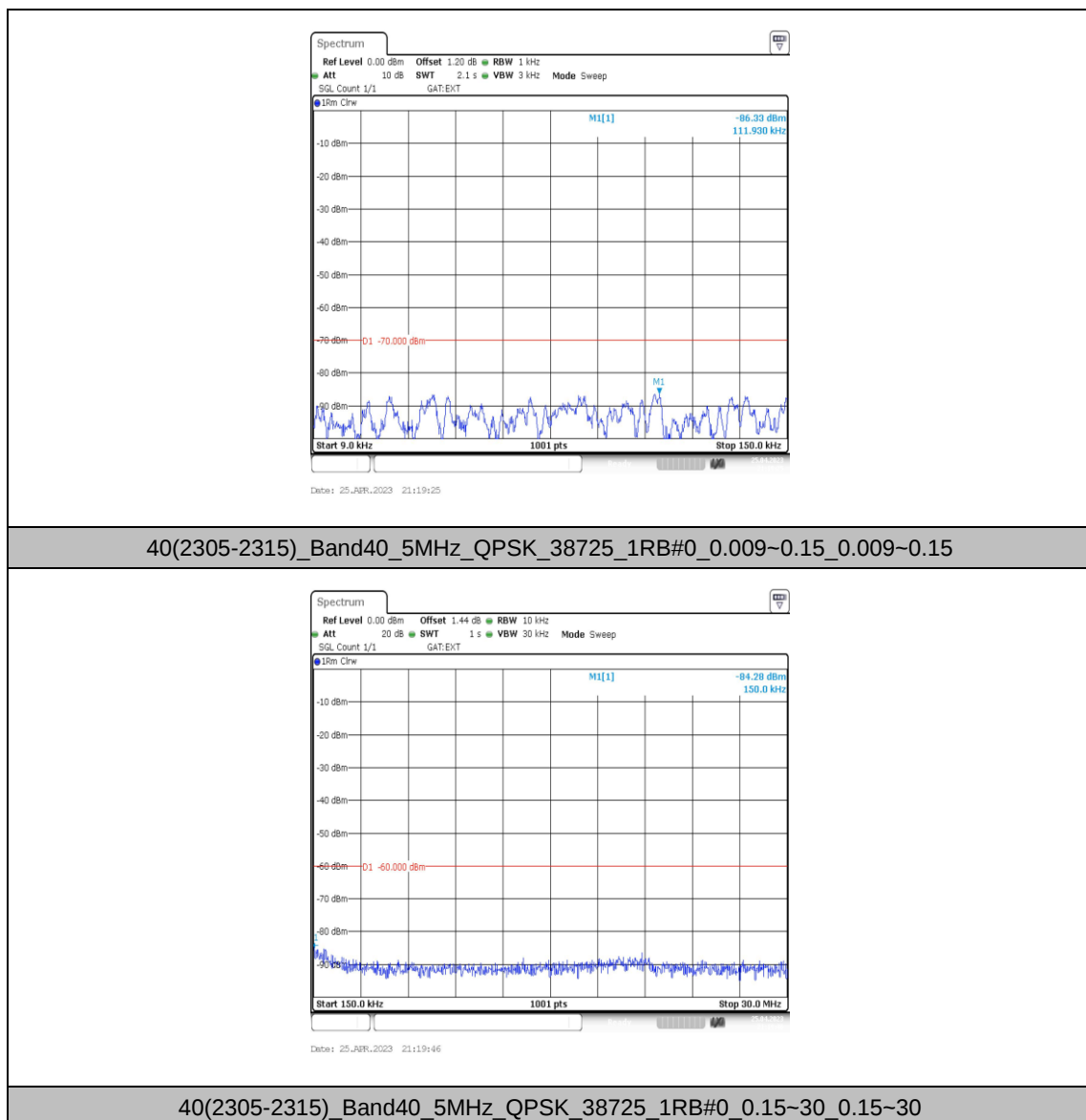
Appendix E: Conducted Spurious Emission

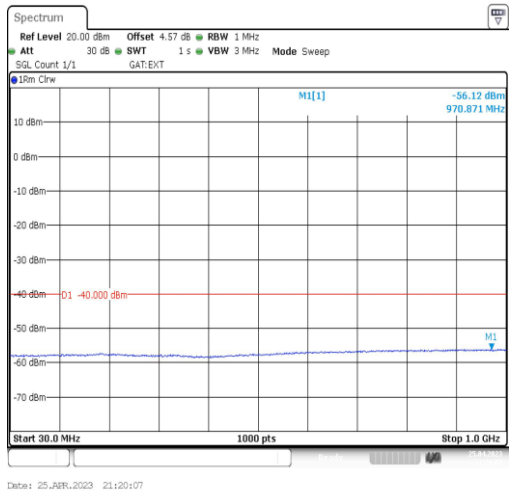
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
40(2305-2315)	5MHz	QPSK	38725	1RB#0	0.009~0.15	-86.33	PASS
40(2305-2315)	5MHz	QPSK	38725	1RB#0	0.15~30	-84.28	PASS
40(2305-2315)	5MHz	QPSK	38725	1RB#0	30~1000	-56.12	PASS
40(2305-2315)	5MHz	QPSK	38725	1RB#0	1000~3000	-51.15	PASS
40(2305-2315)	5MHz	QPSK	38725	1RB#0	3000~26500	-53.88	PASS
40(2305-2315)	5MHz	16QAM	38725	1RB#0	0.009~0.15	-83.51	PASS
40(2305-2315)	5MHz	16QAM	38725	1RB#0	0.15~30	-84.68	PASS
40(2305-2315)	5MHz	16QAM	38725	1RB#0	30~1000	-56.01	PASS
40(2305-2315)	5MHz	16QAM	38725	1RB#0	1000~3000	-51.18	PASS
40(2305-2315)	5MHz	16QAM	38725	1RB#0	3000~26500	-53.80	PASS
40(2305-2315)	5MHz	QPSK	38750	1RB#0	0.009~0.15	-87.32	PASS
40(2305-2315)	5MHz	QPSK	38750	1RB#0	0.15~30	-82.19	PASS
40(2305-2315)	5MHz	QPSK	38750	1RB#0	30~1000	-56.07	PASS
40(2305-2315)	5MHz	QPSK	38750	1RB#0	1000~3000	-51.14	PASS
40(2305-2315)	5MHz	QPSK	38750	1RB#0	3000~26500	-53.66	PASS
40(2305-2315)	5MHz	16QAM	38750	1RB#0	0.009~0.15	-85.01	PASS
40(2305-2315)	5MHz	16QAM	38750	1RB#0	0.15~30	-83.71	PASS
40(2305-2315)	5MHz	16QAM	38750	1RB#0	30~1000	-56.04	PASS
40(2305-2315)	5MHz	16QAM	38750	1RB#0	1000~3000	-51.20	PASS
40(2305-2315)	5MHz	16QAM	38750	1RB#0	3000~26500	-53.75	PASS
40(2305-2315)	5MHz	QPSK	38775	1RB#0	0.009~0.15	-87.50	PASS
40(2305-2315)	5MHz	QPSK	38775	1RB#0	0.15~30	-84.39	PASS
40(2305-2315)	5MHz	QPSK	38775	1RB#0	30~1000	-56.04	PASS
40(2305-2315)	5MHz	QPSK	38775	1RB#0	1000~3000	-51.18	PASS
40(2305-2315)	5MHz	QPSK	38775	1RB#0	3000~26500	-53.91	PASS
40(2305-2315)	5MHz	16QAM	38775	1RB#0	0.009~0.15	-87.76	PASS
40(2305-2315)	5MHz	16QAM	38775	1RB#0	0.15~30	-85.28	PASS
40(2305-2315)	5MHz	16QAM	38775	1RB#0	30~1000	-56.05	PASS
40(2305-2315)	5MHz	16QAM	38775	1RB#0	1000~3000	-51.29	PASS
40(2305-2315)	5MHz	16QAM	38775	1RB#0	3000~26500	-53.74	PASS
40(2305-2315)	10MHz	QPSK	38750	1RB#0	0.009~0.15	-85.70	PASS
40(2305-2315)	10MHz	QPSK	38750	1RB#0	0.15~30	-84.06	PASS
40(2305-2315)	10MHz	QPSK	38750	1RB#0	30~1000	-56.08	PASS

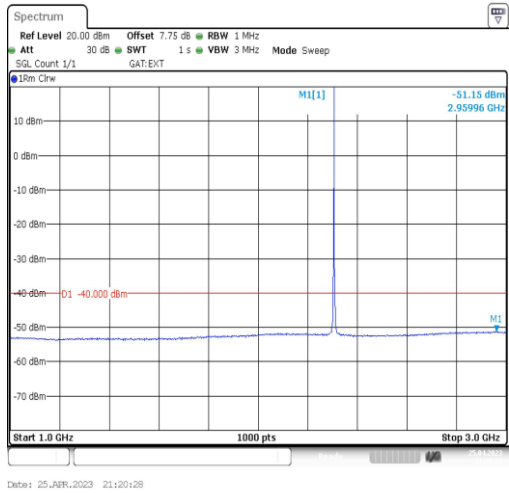
40(2305-2315)	10MHz	QPSK	38750	1RB#0	1000~3000	-51.19	PASS
40(2305-2315)	10MHz	QPSK	38750	1RB#0	3000~26500	-53.67	PASS
40(2305-2315)	10MHz	16QAM	38750	1RB#0	0.009~0.15	-83.88	PASS
40(2305-2315)	10MHz	16QAM	38750	1RB#0	0.15~30	-84.06	PASS
40(2305-2315)	10MHz	16QAM	38750	1RB#0	30~1000	-56.05	PASS
40(2305-2315)	10MHz	16QAM	38750	1RB#0	1000~3000	-51.26	PASS
40(2305-2315)	10MHz	16QAM	38750	1RB#0	3000~26500	-53.82	PASS

Test Graphs

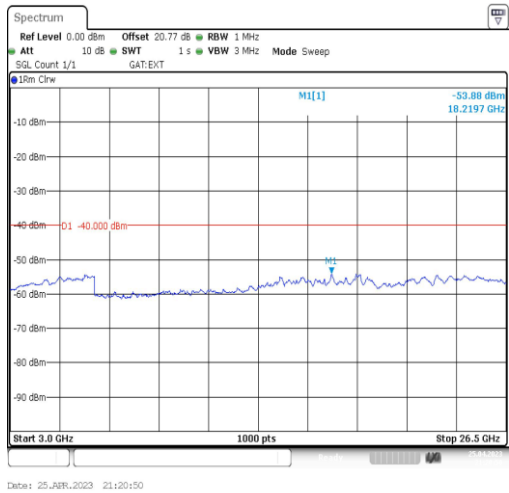




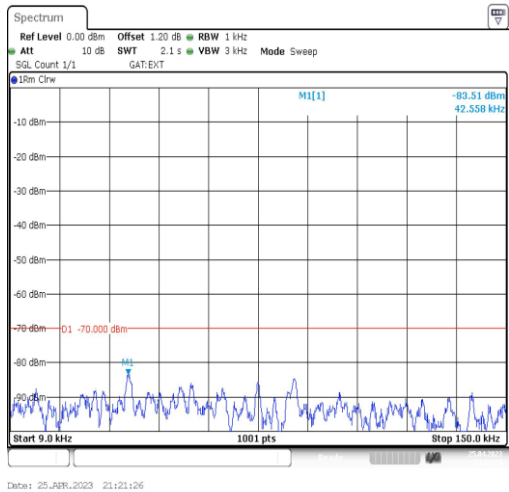
40(2305-2315)_Band40_5MHz_QPSK_38725_1RB#0_30~1000_30~1000



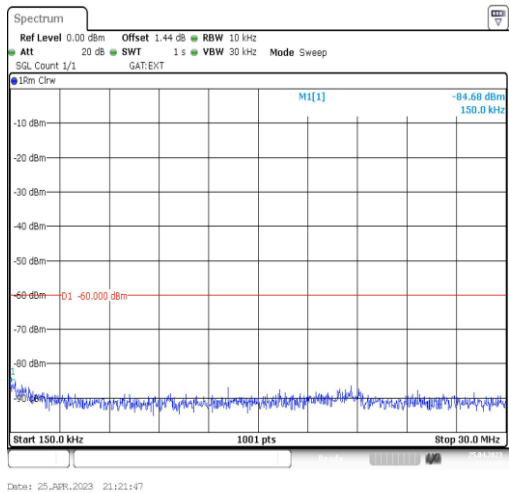
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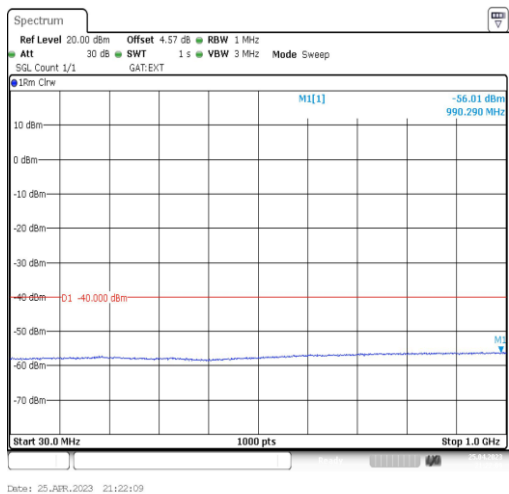
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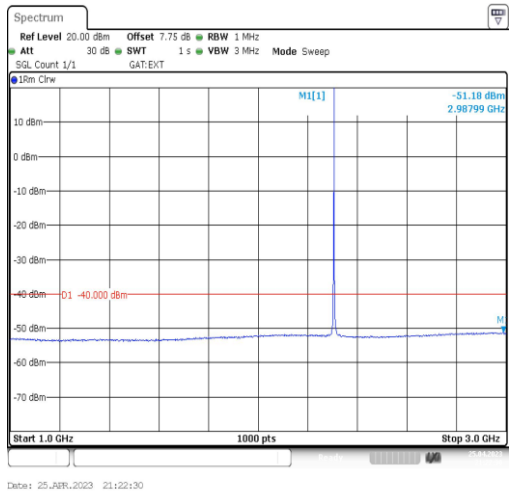
40(2305-2315)_Band40_5MHz_16QAM_38725_1RB#0_0.009~0.15_0.009~0.15



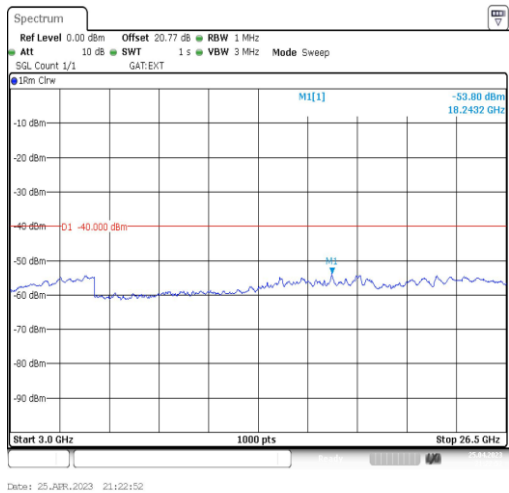
40(2305-2315)_Band40_5MHz_16QAM_38725_1RB#0_0.15~30_0.15~30



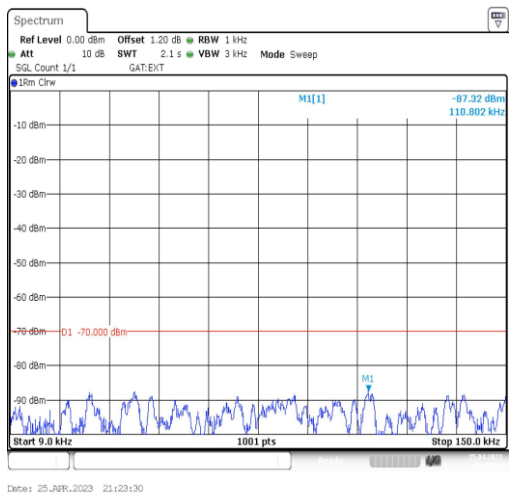
40(2305-2315)_Band40_5MHz_16QAM_38725_1RB#0_30~1000_30~1000



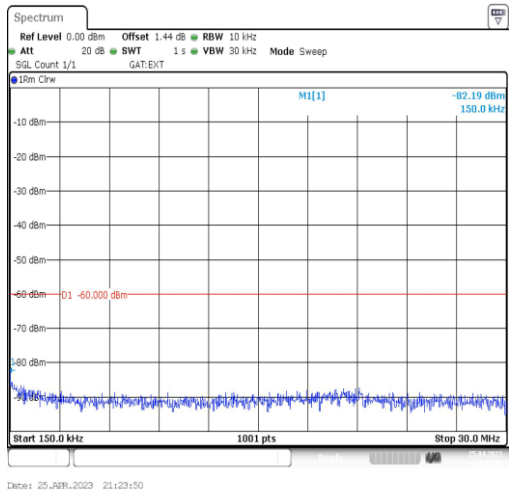
40(2305-2315)_Band40_5MHz_16QAM_38725_1RB#0_1000~3000_1000~3000



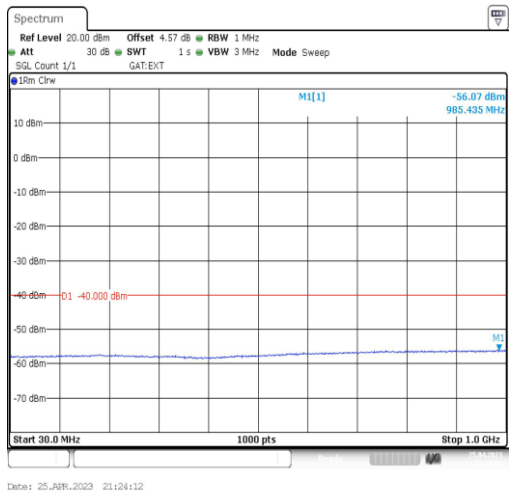
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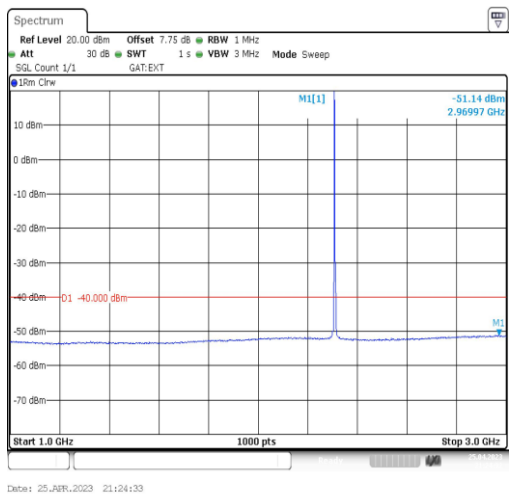
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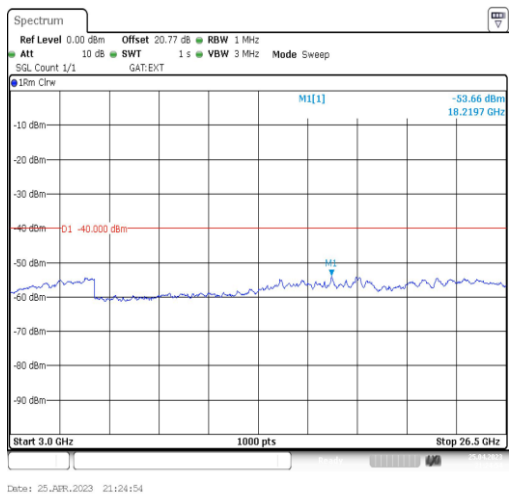
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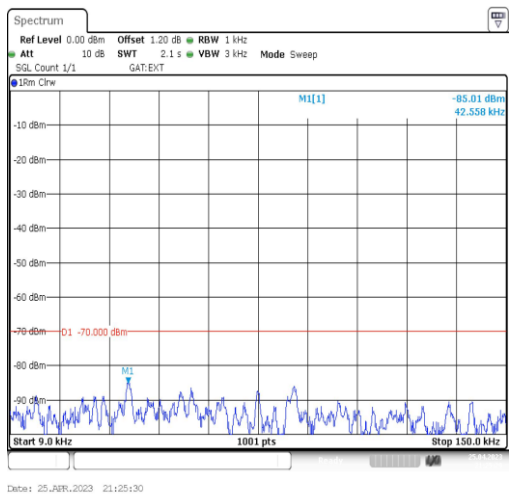
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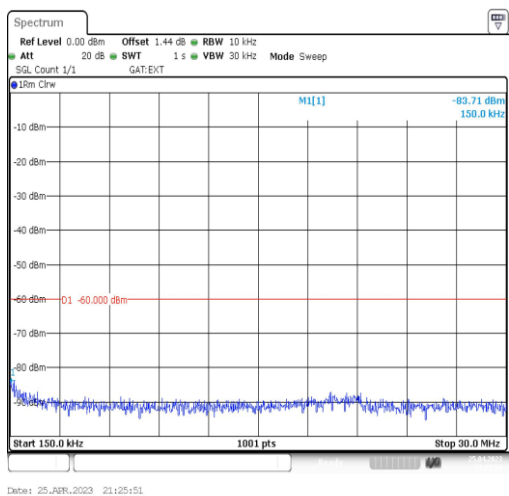
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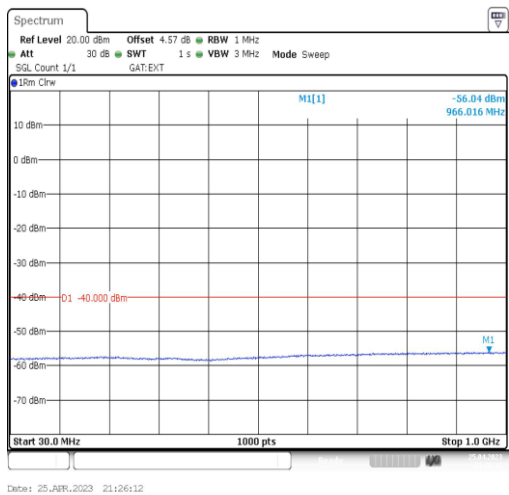
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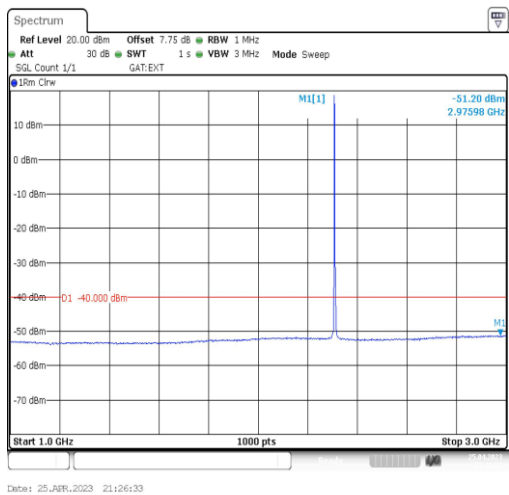
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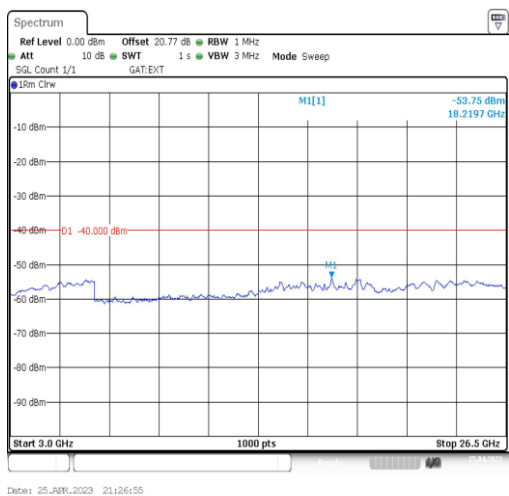
40(2305-2315)_Band40_5MHz_16QAM_38750_1RB#0_0.15~30_0.15~30



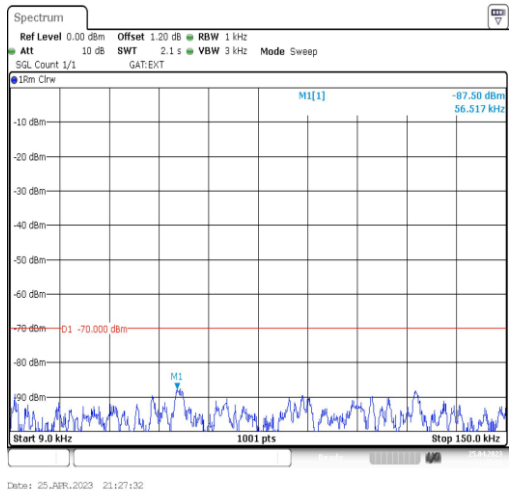
40(2305-2315)_Band40_5MHz_16QAM_38750_1RB#0_30~1000_30~1000



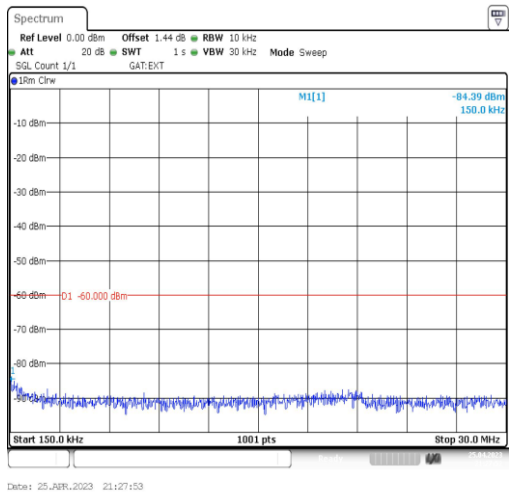
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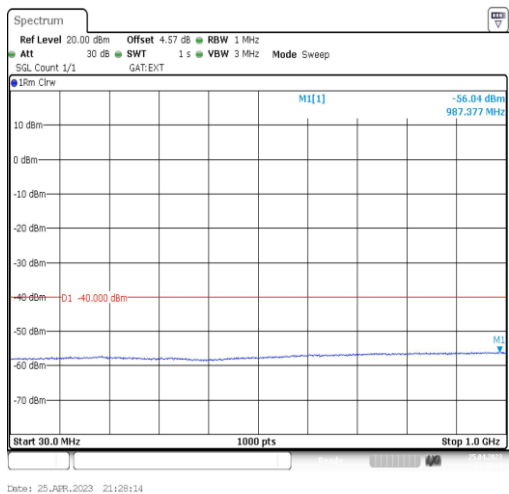
40(2305-2315)_Band40_5MHz_16QAM_38750_1RB#0_3000~26500_3000~26500



40(2305-2315)_Band40_5MHz_QPSK_38775_1RB#0_0.009~0.15_0.009~0.15



40(2305-2315)_Band40_5MHz_QPSK_38775_1RB#0_0.15~30_0.15~30



40(2305-2315)_Band40_5MHz_QPSK_38775_1RB#0_30~1000_30~1000