

Appendix for LTE Band 17

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.07	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.04	PASS
Band17	5MHz	QPSK	23755	1RB#24	22.98	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.04	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.06	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.07	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.09	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.10	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.15	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.07	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.13	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.19	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.11	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.10	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.21	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.15	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.09	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.20	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.22	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.14	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.14	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.18	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.09	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.12	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.03	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.00	PASS

Band17	5MHz	16QAM	23755	12RB#13	21.01	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.12	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.23	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.21	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.17	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.13	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.19	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.06	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.11	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.48	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.39	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.23	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.27	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.26	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.17	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.05	PASS
Band17	10MHz	QPSK	23780	1RB#0	22.98	PASS
Band17	10MHz	QPSK	23780	1RB#24	22.98	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.03	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.10	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.08	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.06	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.13	PASS
Band17	10MHz	QPSK	23790	1RB#0	22.99	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.22	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.07	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.14	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.16	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.14	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.10	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.06	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.06	PASS
Band17	10MHz	QPSK	23800	1RB#49	22.96	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.16	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.16	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.13	PASS

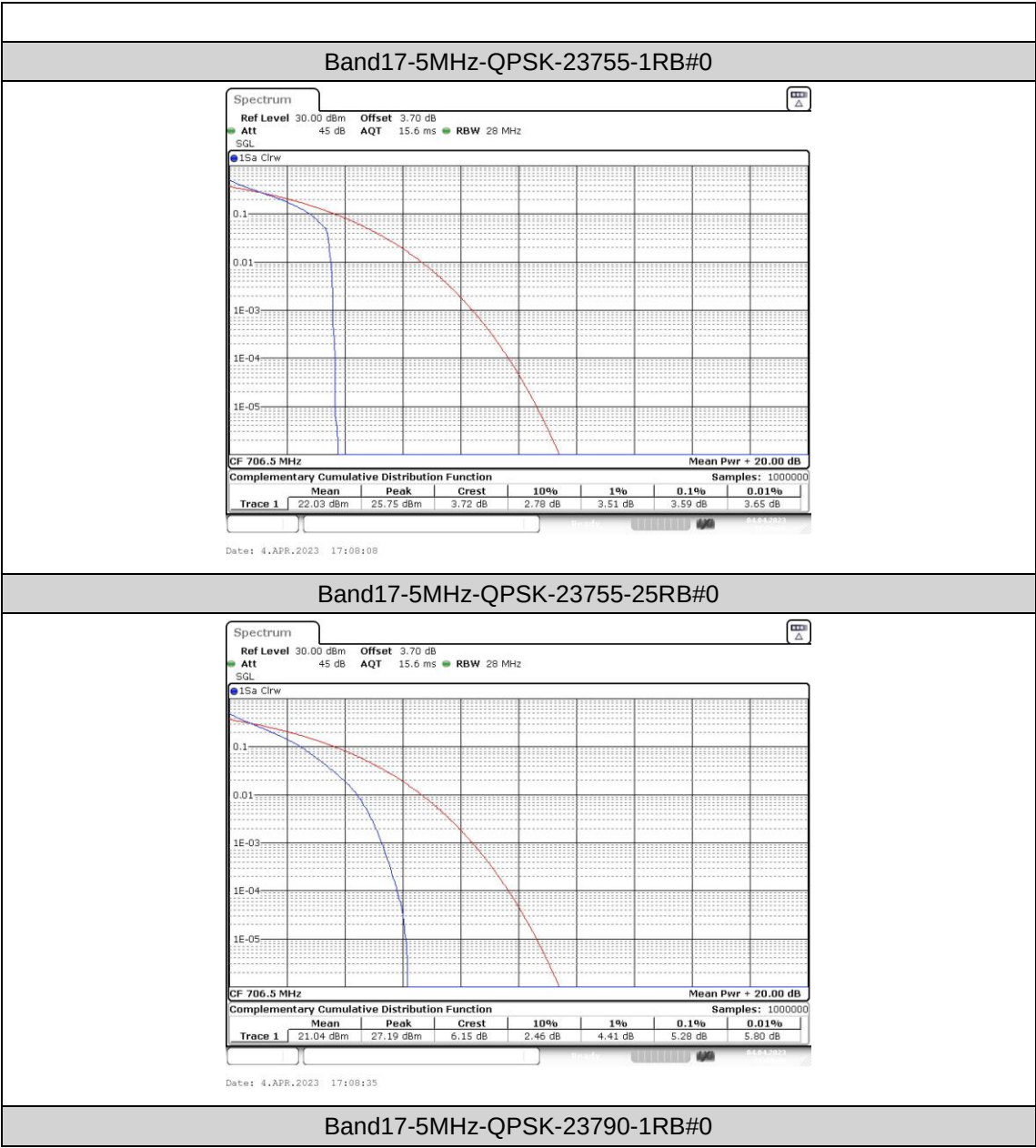
Band17	10MHz	QPSK	23800	50RB#0	22.13	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.38	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.27	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.41	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.13	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.10	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.14	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.13	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.23	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.23	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.24	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.19	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.19	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.20	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.11	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.00	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.11	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.17	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.20	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.23	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.27	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.15	PASS

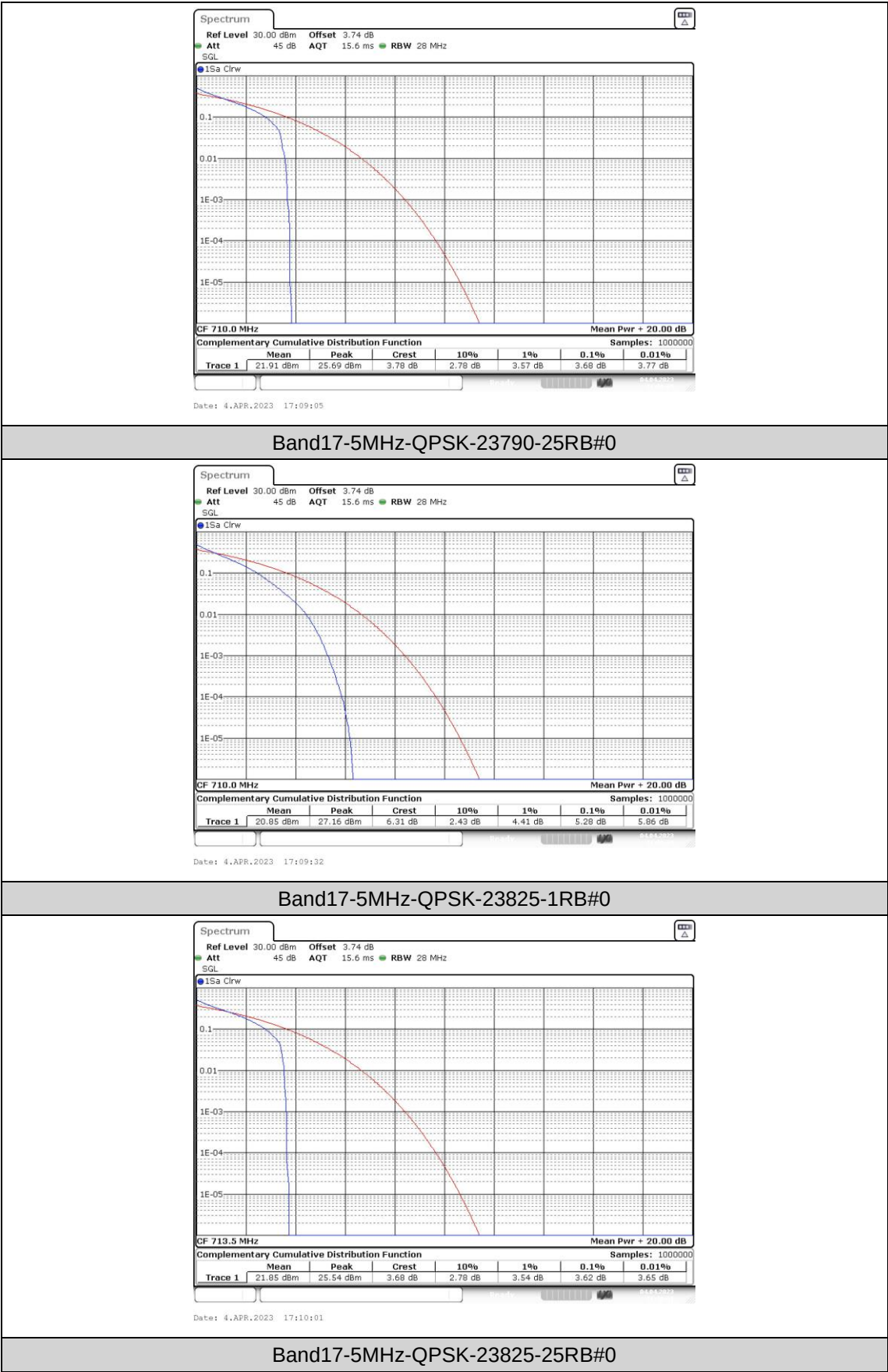
Appendix B: Peak-to-Average Ratio(CCDF)

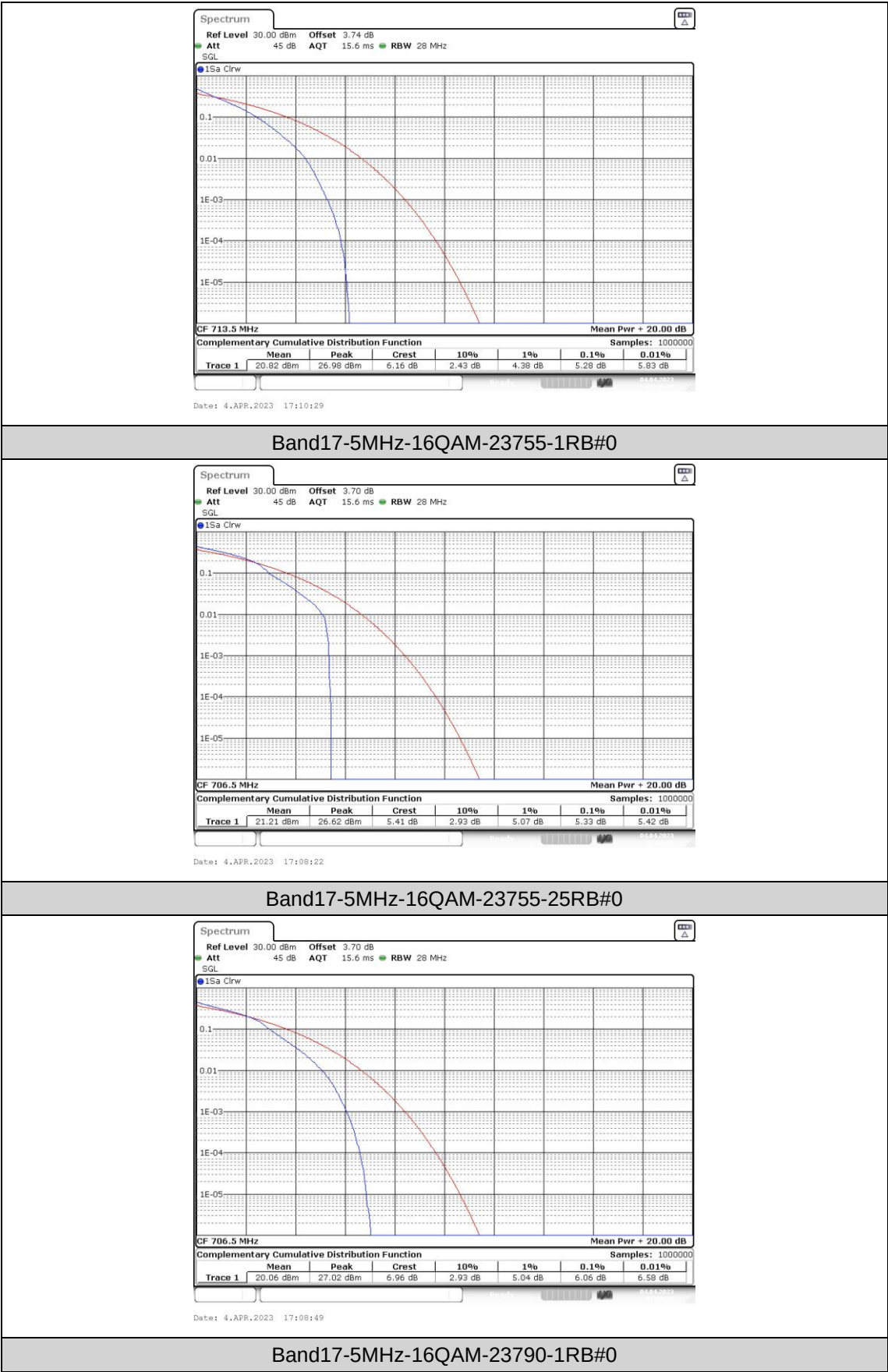
Test Result

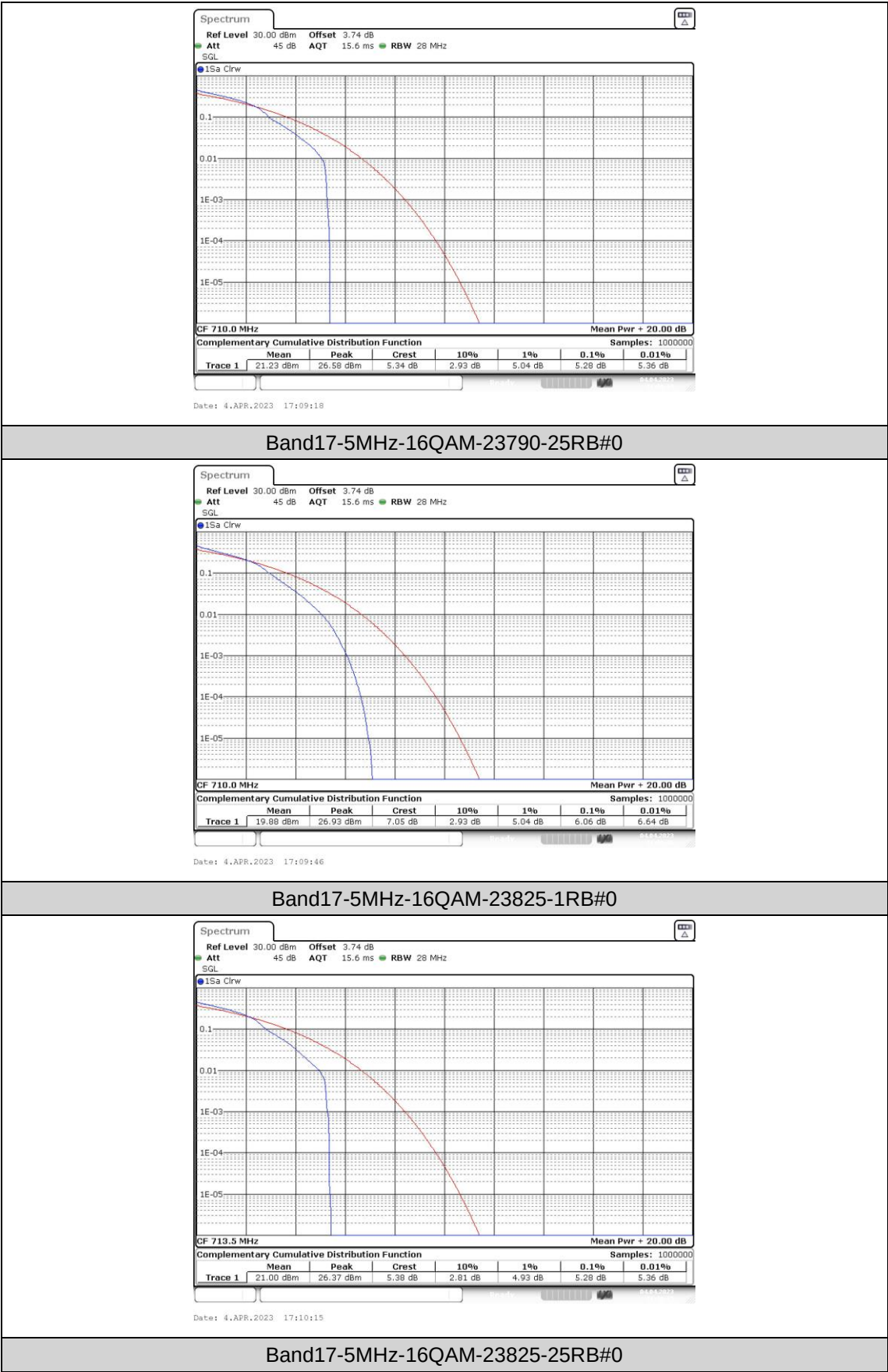
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	3.59	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.28	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	3.68	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.28	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	3.62	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.28	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.33	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.06	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.28	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.06	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.28	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.03	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	3.54	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.16	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	3.51	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.16	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	3.51	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.10	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.22	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.00	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.22	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.00	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.22	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.00	13	PASS

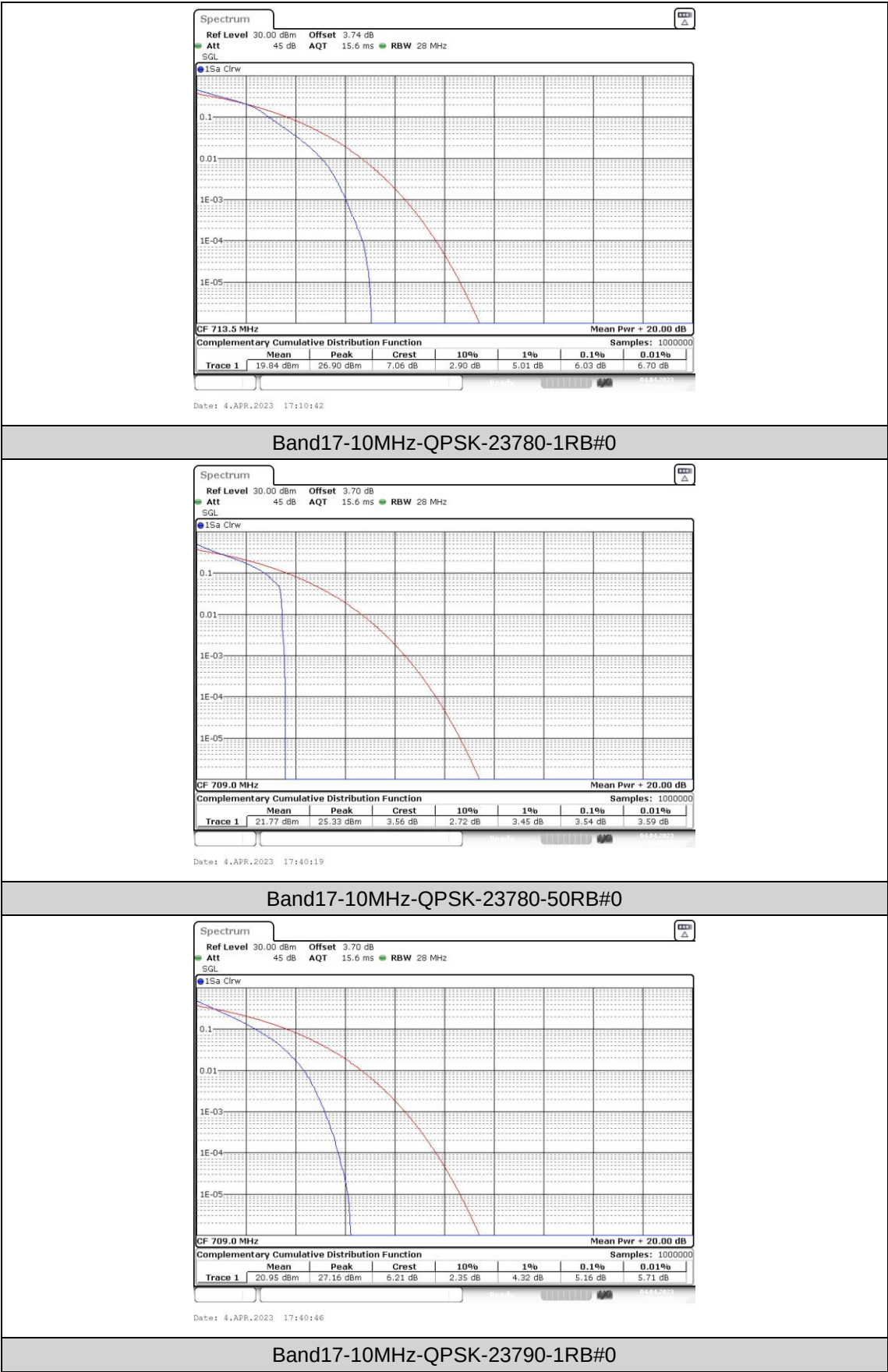
Test Graphs

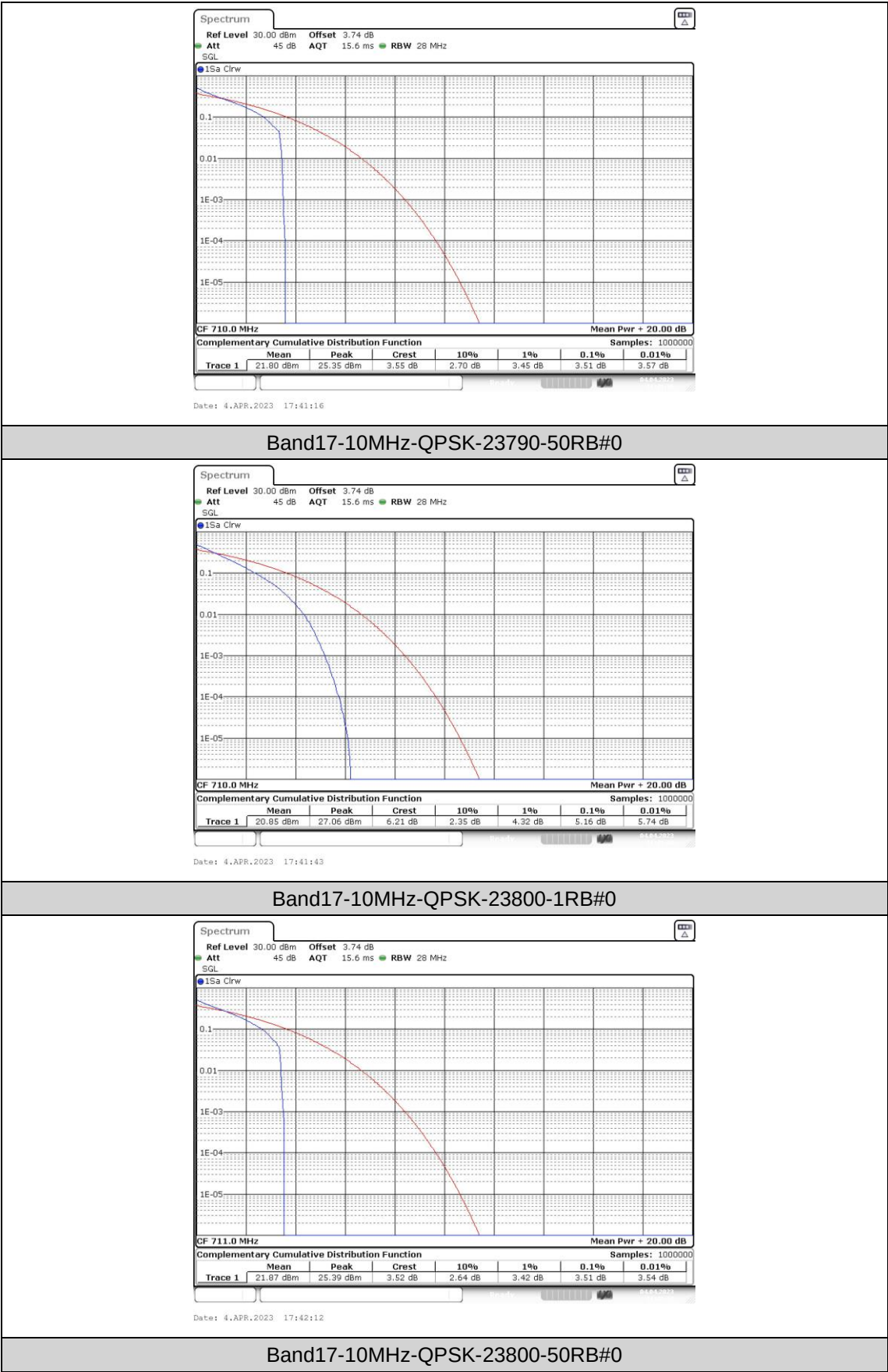


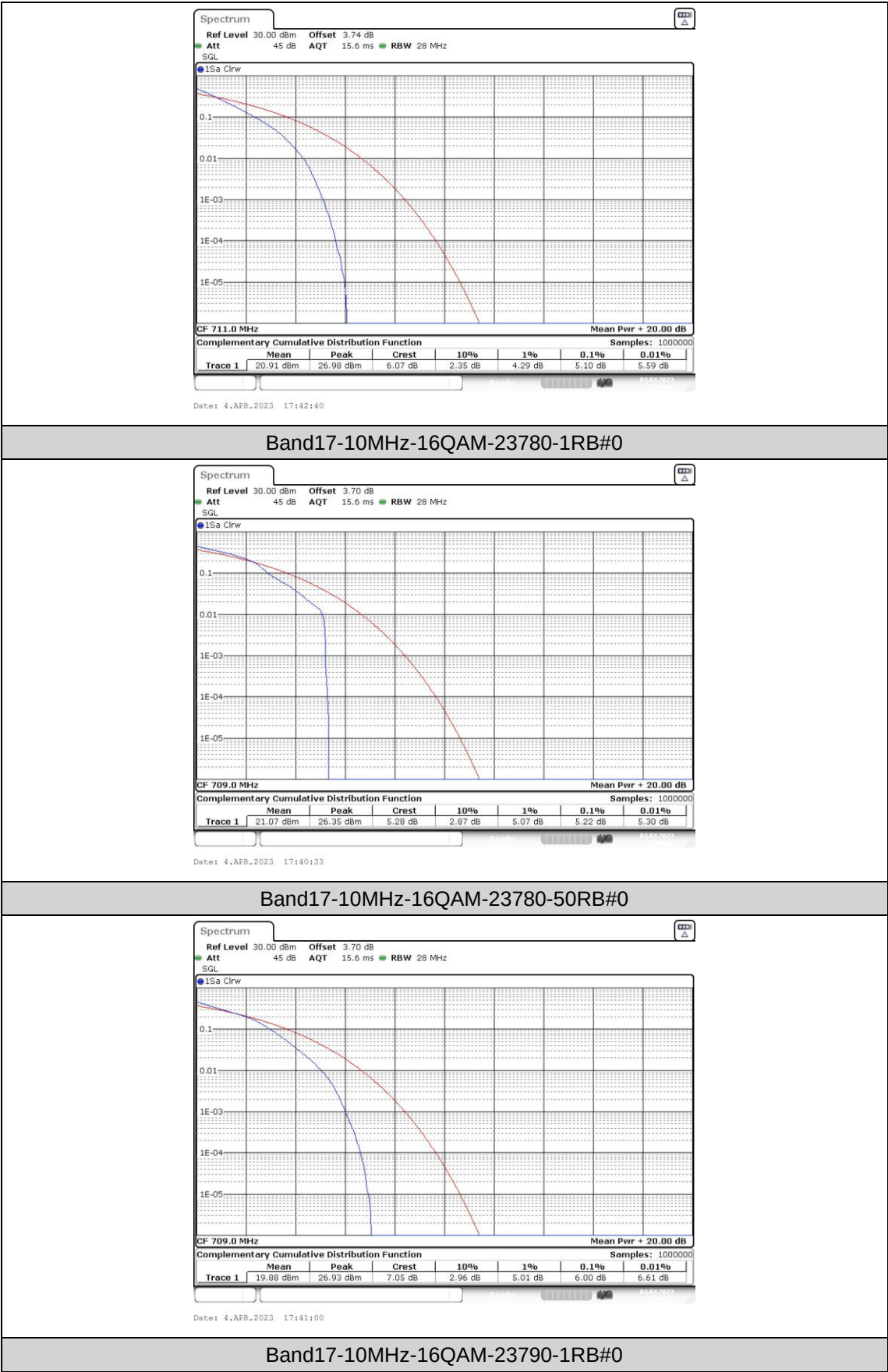


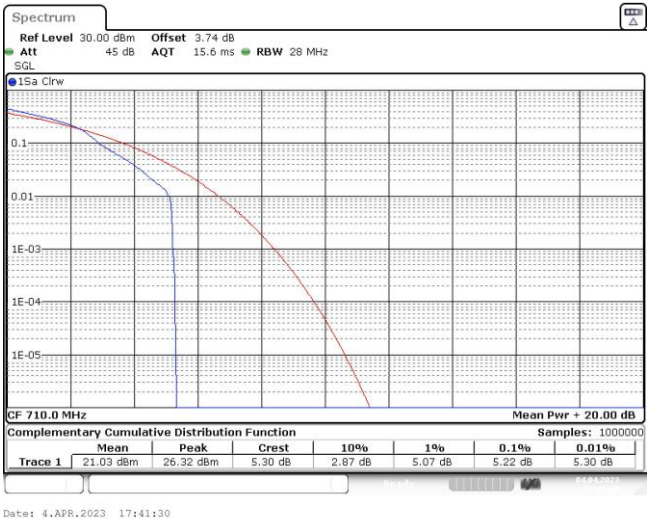




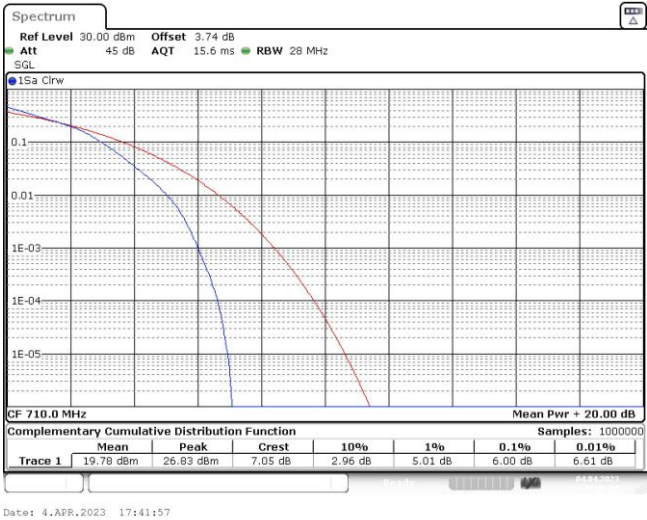




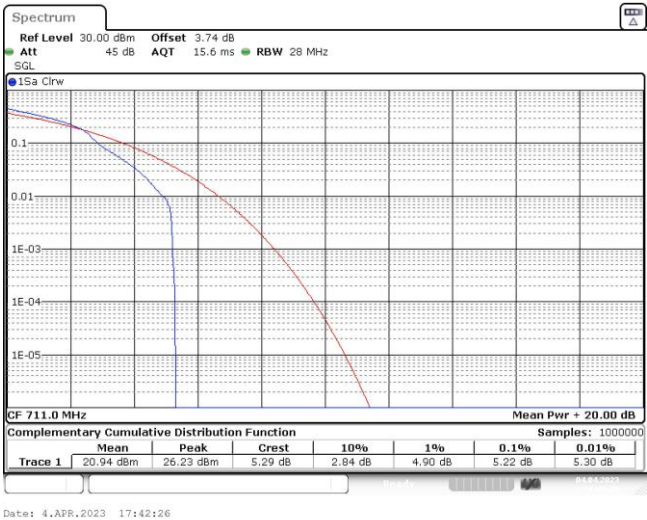




Band17-10MHz-16QAM-23790-50RB#0



Band17-10MHz-16QAM-23800-1RB#0



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

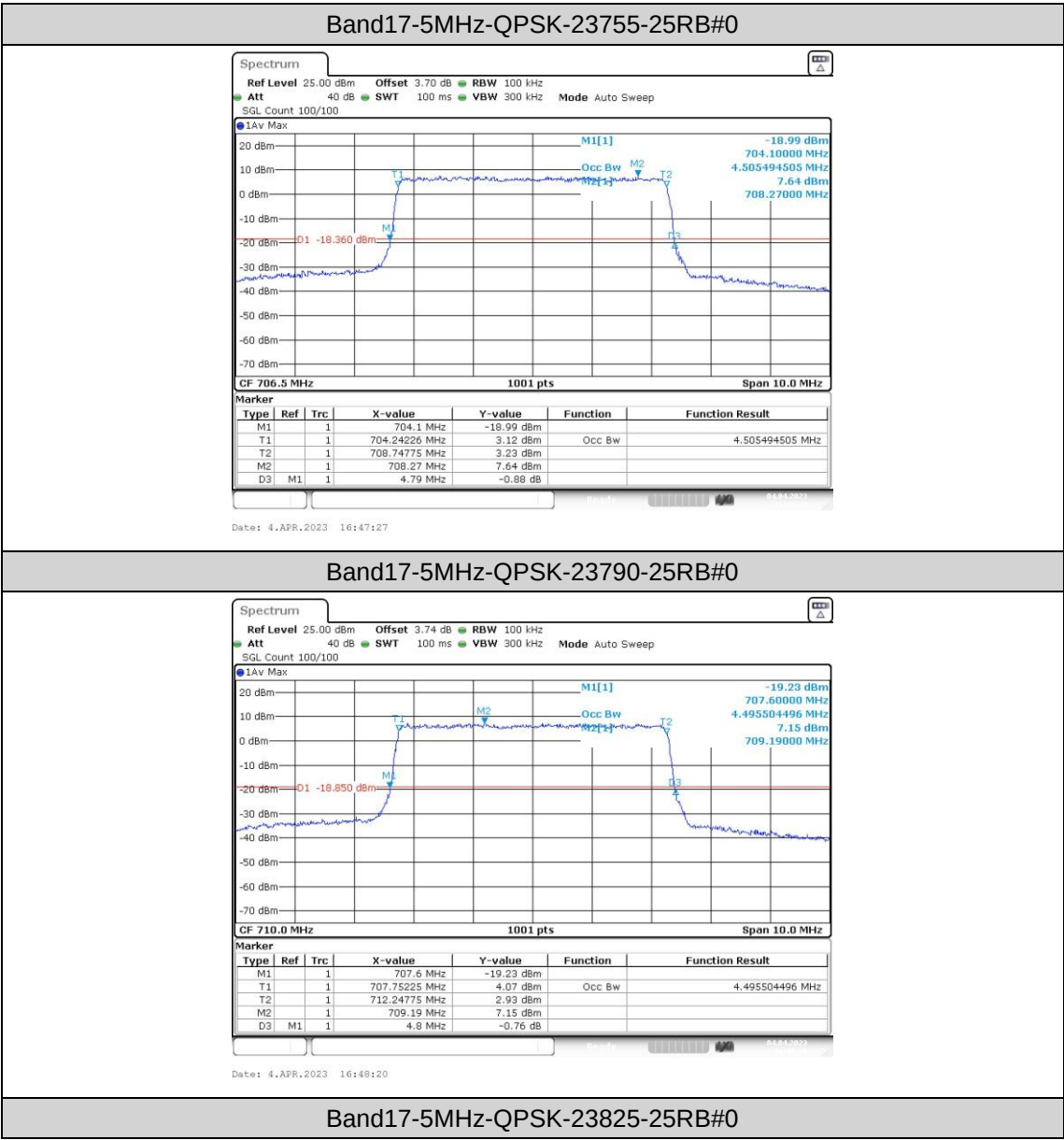


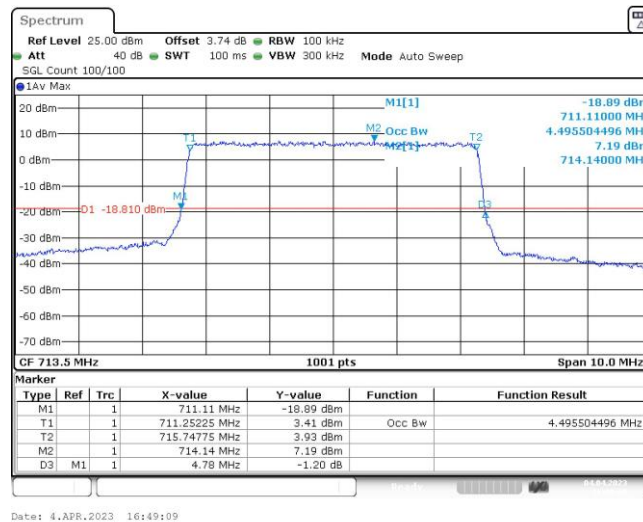
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

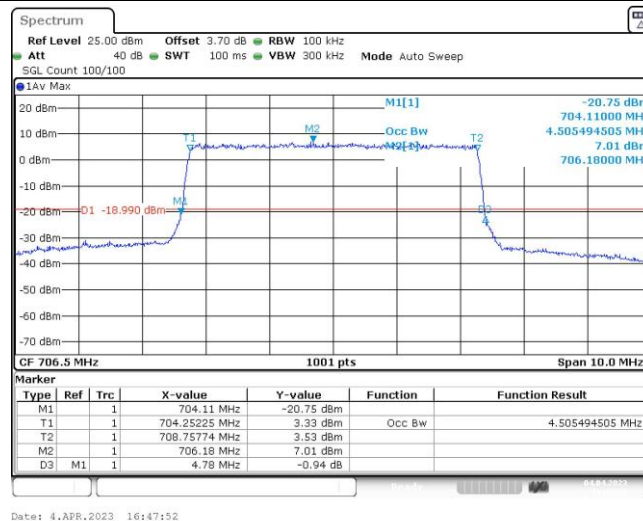
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.505	4.79	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.496	4.80	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.496	4.78	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.505	4.78	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.505	4.78	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.505	4.78	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.985	9.53	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.985	9.53	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.952	9.53	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.952	9.53	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.952	9.53	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.952	9.53	PASS

Test Graphs

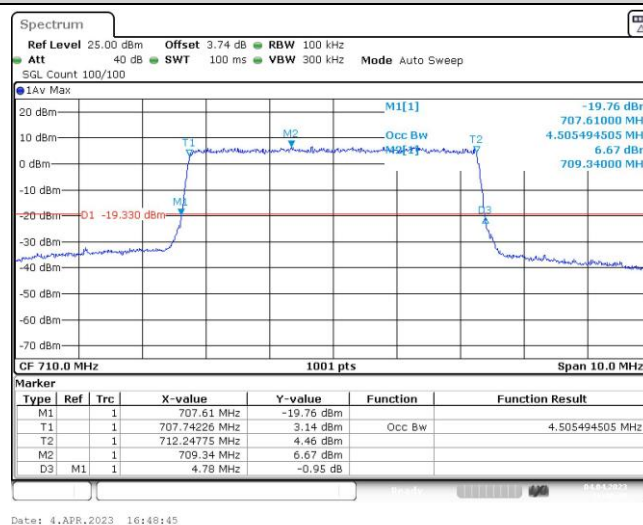




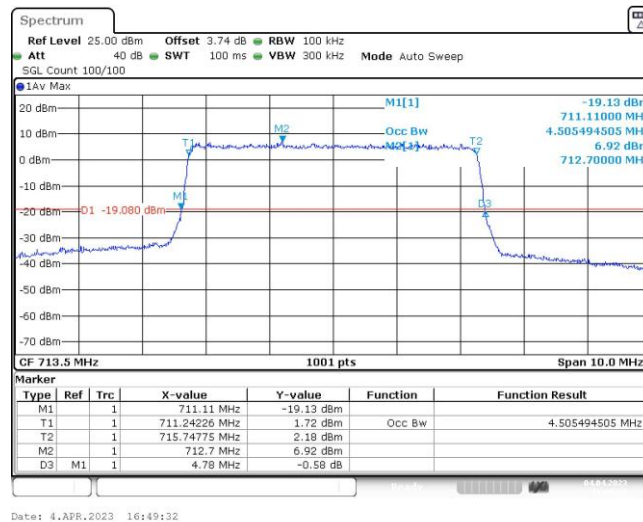
Band17-5MHz-16QAM-23755-25RB#0



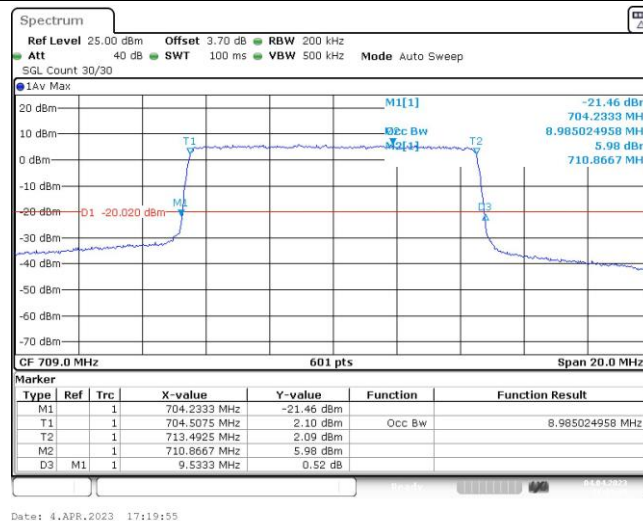
Band17-5MHz-16QAM-23790-25RB#0



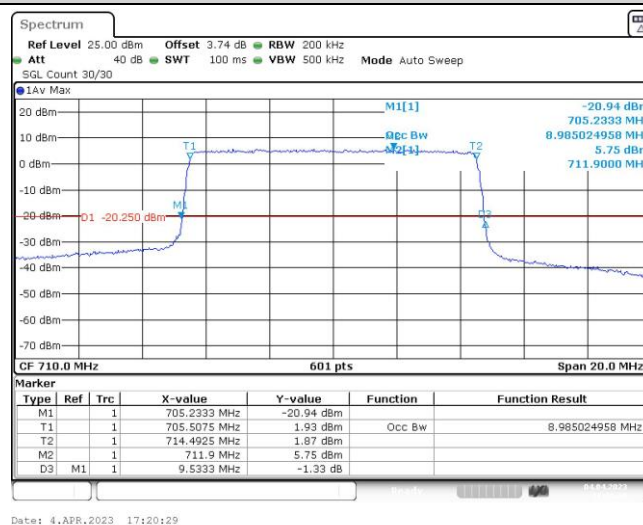
Band17-5MHz-16QAM-23825-25RB#0



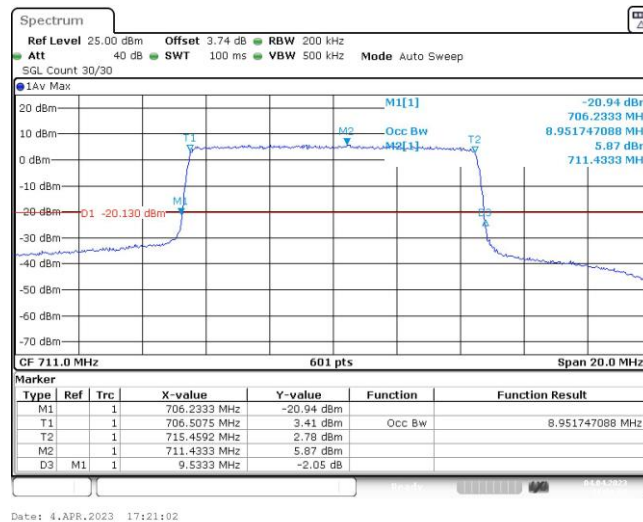
Band17-10MHz-QPSK-23780-50RB#0



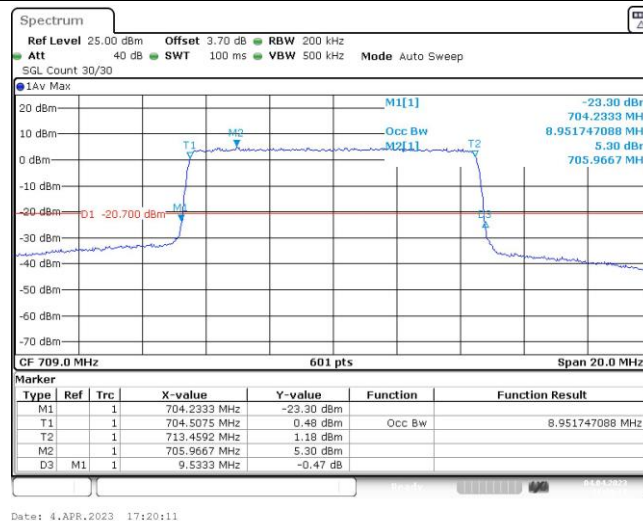
Band17-10MHz-QPSK-23790-50RB#0



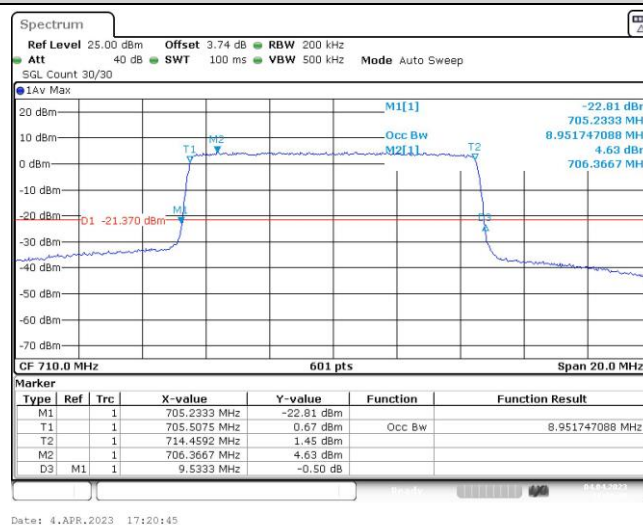
Band17-10MHz-QPSK-23800-50RB#0



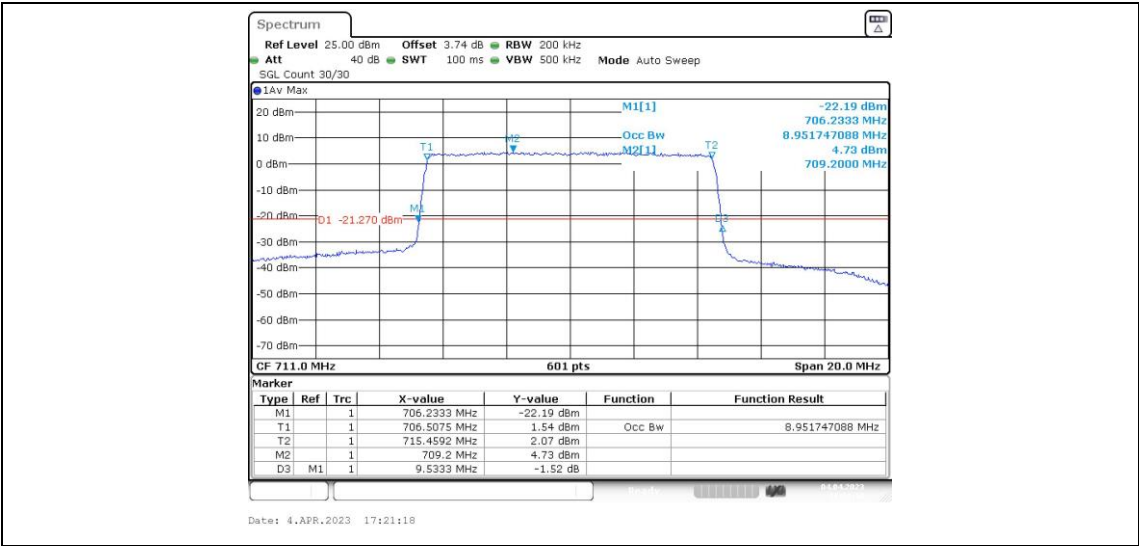
Band17-10MHz-16QAM-23780-50RB#0



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



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



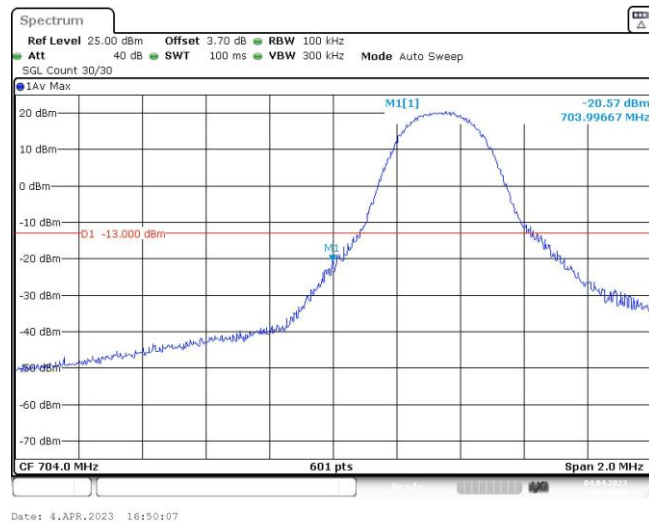
Appendix D: Band Edge

Test Result

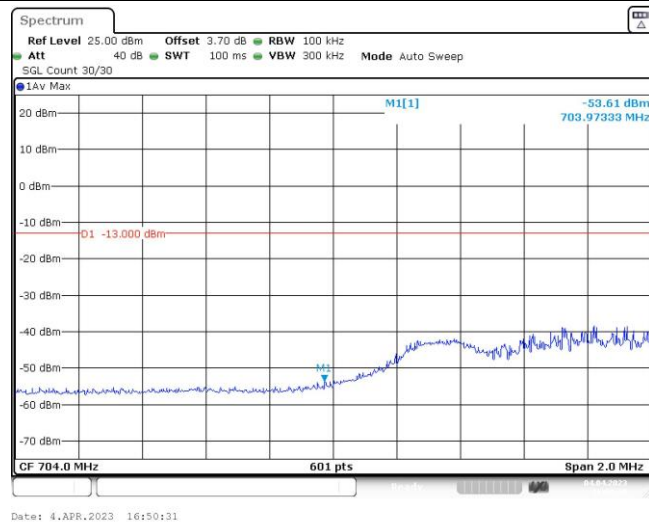
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	-20.57	PASS
Band17	5MHz	QPSK	23755	1RB#24	-53.61	PASS
Band17	5MHz	QPSK	23755	25RB#0	-27.36	PASS
Band17	5MHz	QPSK	23825	1RB#0	-54.08	PASS
Band17	5MHz	QPSK	23825	1RB#24	-21.88	PASS
Band17	5MHz	QPSK	23825	25RB#0	-29.37	PASS
Band17	5MHz	16QAM	23755	1RB#0	-24.26	PASS
Band17	5MHz	16QAM	23755	1RB#24	-54.21	PASS
Band17	5MHz	16QAM	23755	25RB#0	-29.46	PASS
Band17	5MHz	16QAM	23825	1RB#0	-54.94	PASS
Band17	5MHz	16QAM	23825	1RB#24	-24.69	PASS
Band17	5MHz	16QAM	23825	25RB#0	-30.26	PASS
Band17	10MHz	QPSK	23780	1RB#0	-34.31,-29.24	PASS
Band17	10MHz	QPSK	23780	1RB#49	-51.56,-49.45	PASS
Band17	10MHz	QPSK	23780	50RB#0	-30.82,-29.37	PASS
Band17	10MHz	QPSK	23800	1RB#0	-50.28,-51.52	PASS
Band17	10MHz	QPSK	23800	1RB#49	-30.37,-37.05	PASS
Band17	10MHz	QPSK	23800	50RB#0	-33.05,-34.41	PASS
Band17	10MHz	16QAM	23780	1RB#0	-36.90,-30.41	PASS
Band17	10MHz	16QAM	23780	1RB#49	-52.89,-50.94	PASS
Band17	10MHz	16QAM	23780	50RB#0	-31.90,-30.98	PASS
Band17	10MHz	16QAM	23800	1RB#0	-52.82,-52.88	PASS
Band17	10MHz	16QAM	23800	1RB#49	-32.04,-36.52	PASS
Band17	10MHz	16QAM	23800	50RB#0	-34.39,-35.90	PASS

Test Graphs

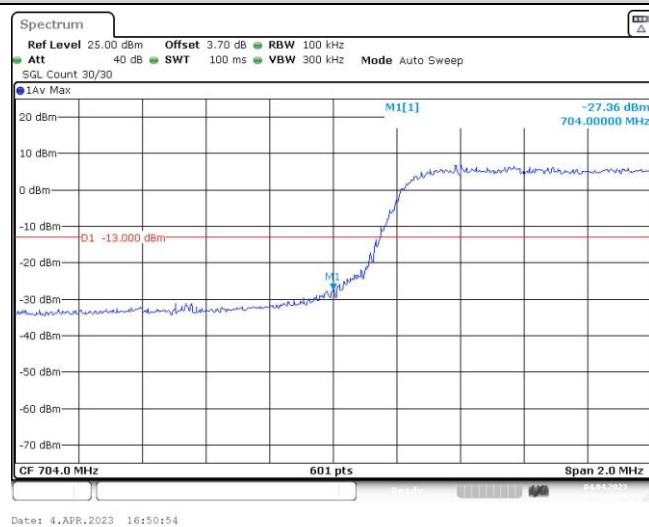
Band17-5MHz-QPSK-23755-1RB#0



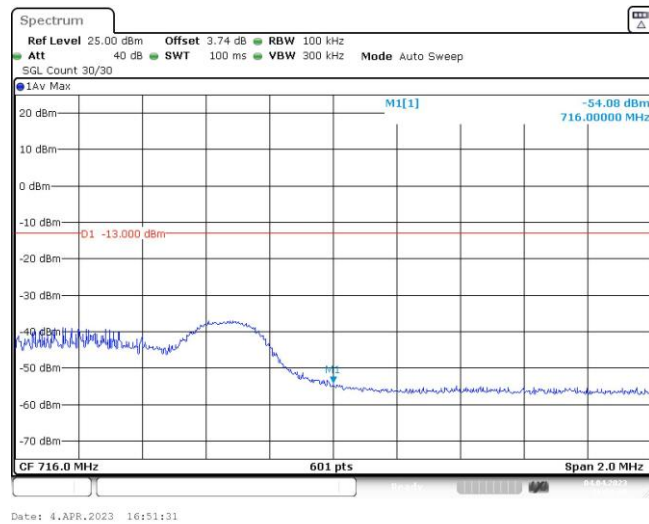
Band17-5MHz-QPSK-23755-1RB#24



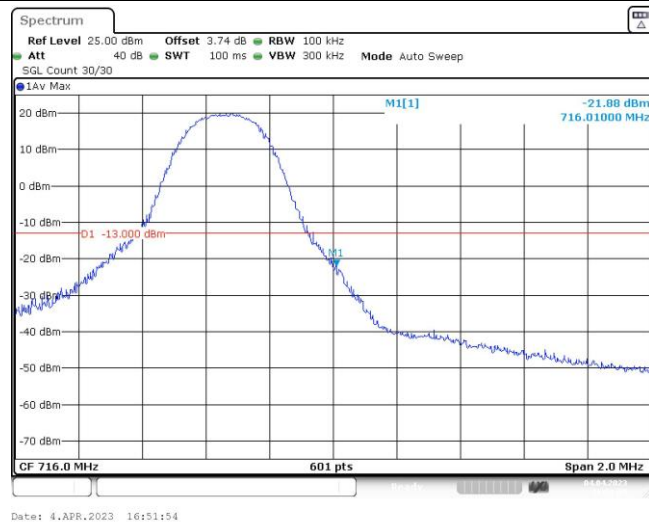
Band17-5MHz-QPSK-23755-25RB#0



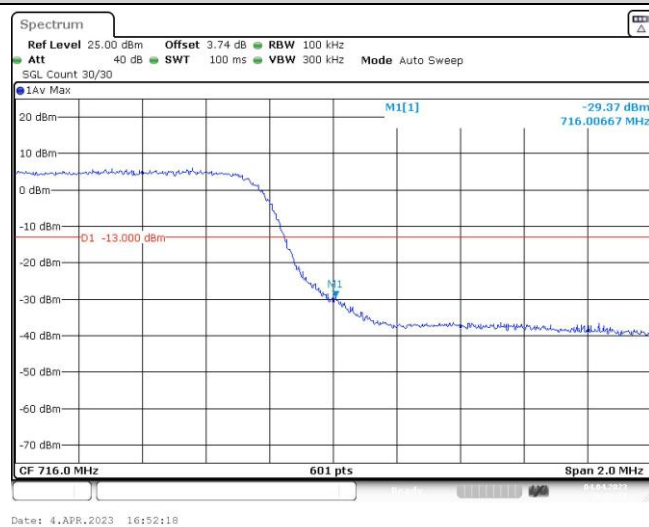
Band17-5MHz-QPSK-23825-1RB#0



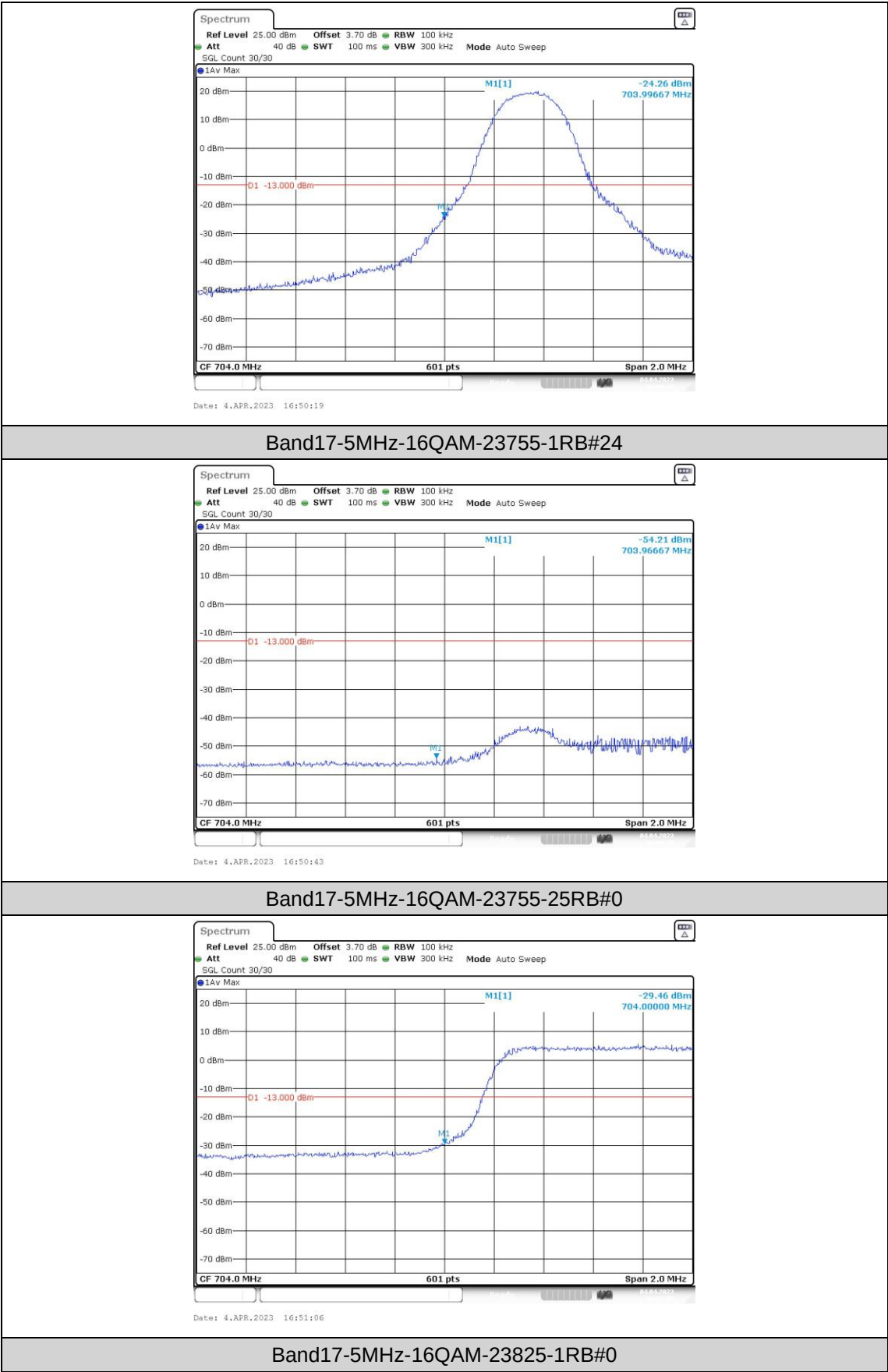
Band17-5MHz-QPSK-23825-1RB#24

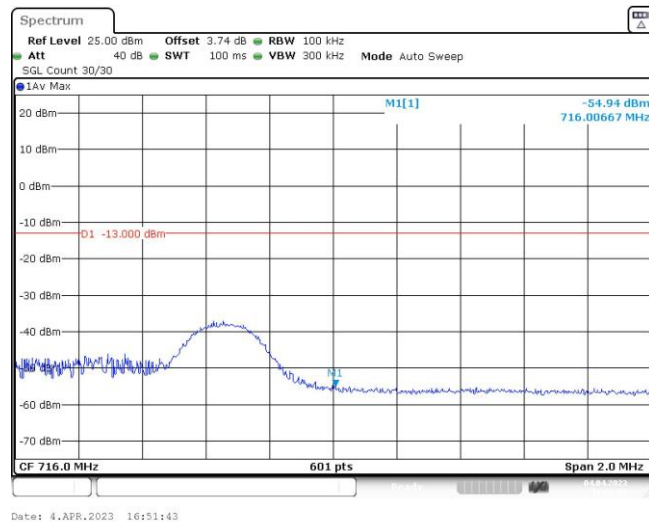


Band17-5MHz-QPSK-23825-25RB#0

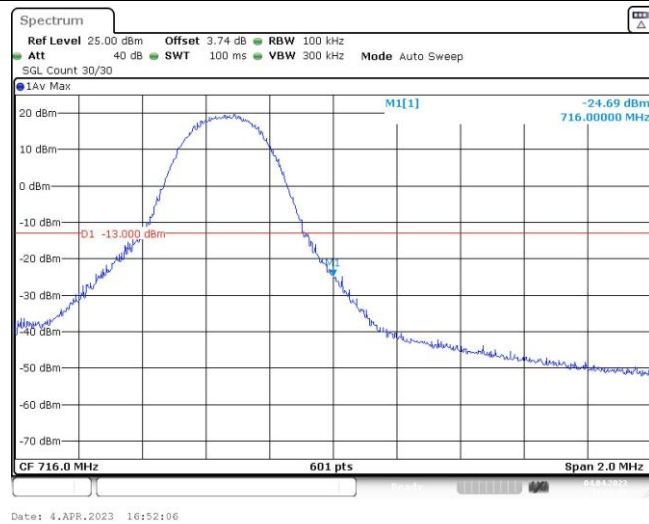


Band17-5MHz-16QAM-23755-1RB#0

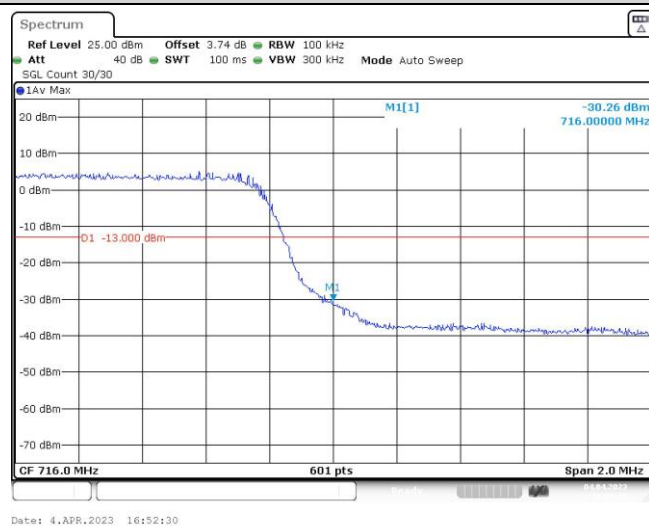




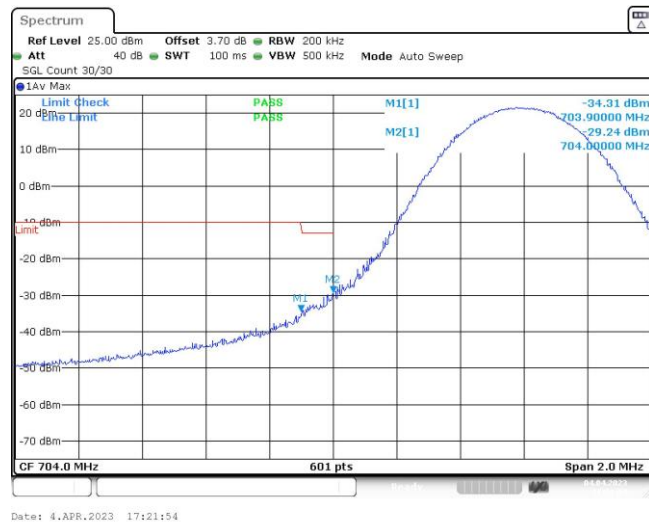
Band17-5MHz-16QAM-23825-1RB#24



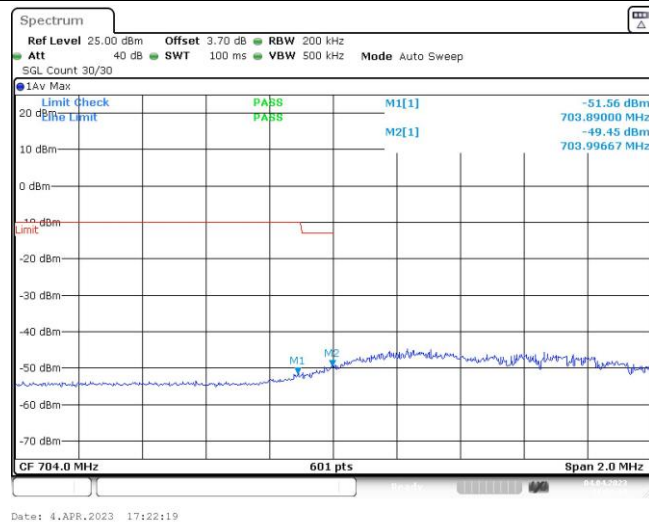
Band17-5MHz-16QAM-23825-25RB#0



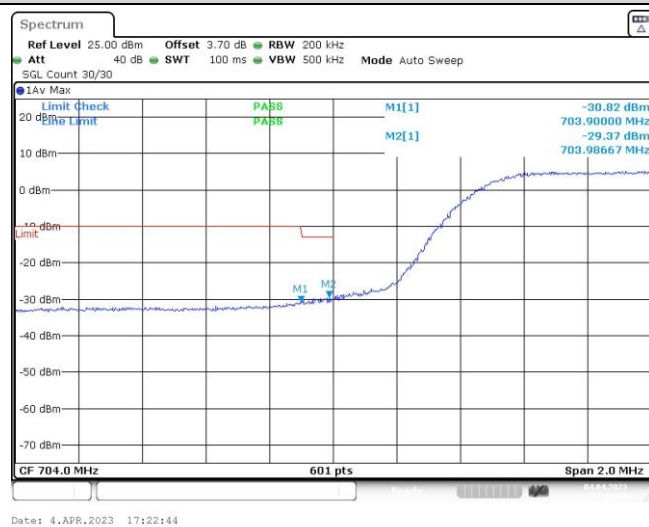
Band17-10MHz-QPSK-23780-1RB#0



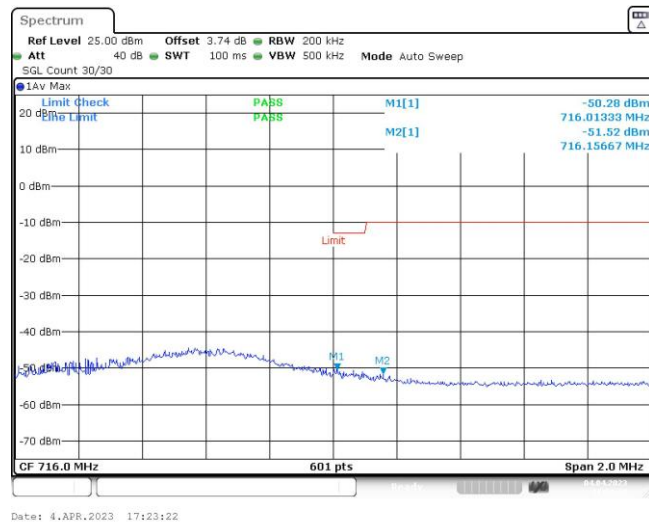
Band17-10MHz-QPSK-23780-1RB#49



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



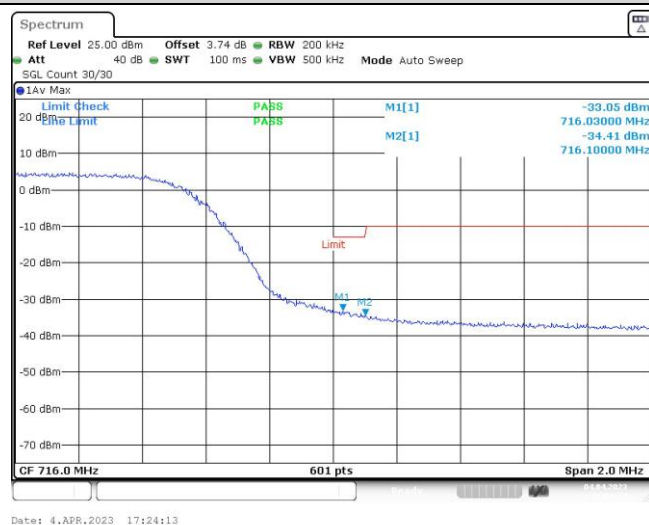
Band17-10MHz-QPSK-23800-1RB#0



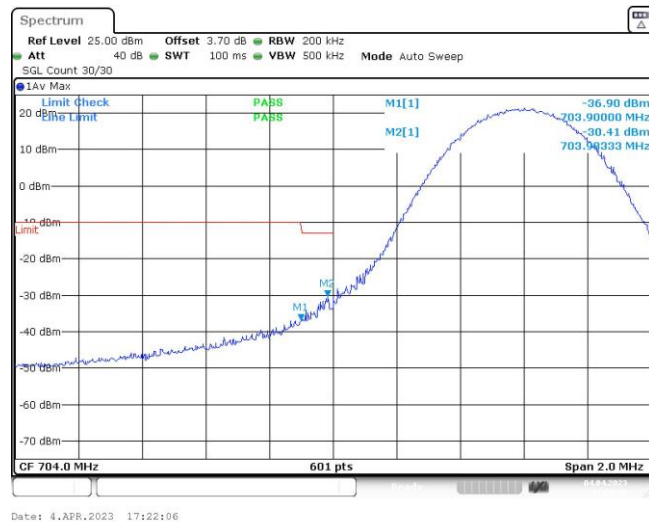
Band17-10MHz-QPSK-23800-1RB#49



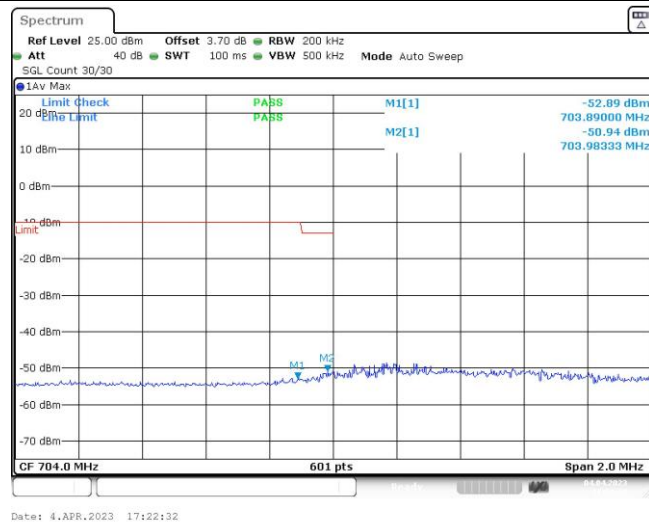
Band17-10MHz-QPSK-23800-50RB#0



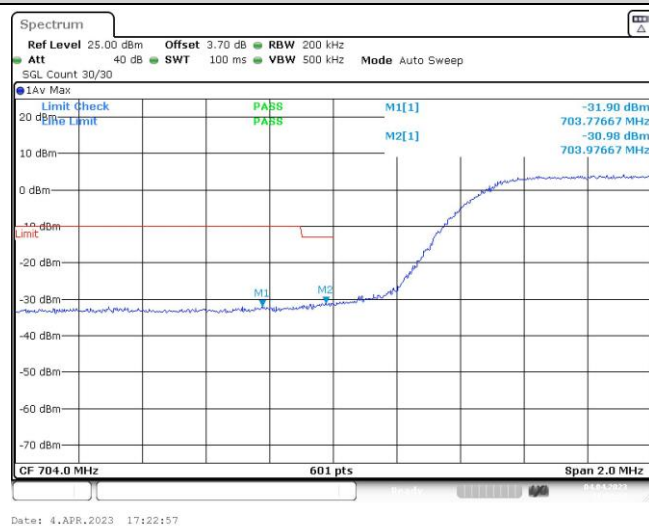
Band17-10MHz-16QAM-23780-1RB#0



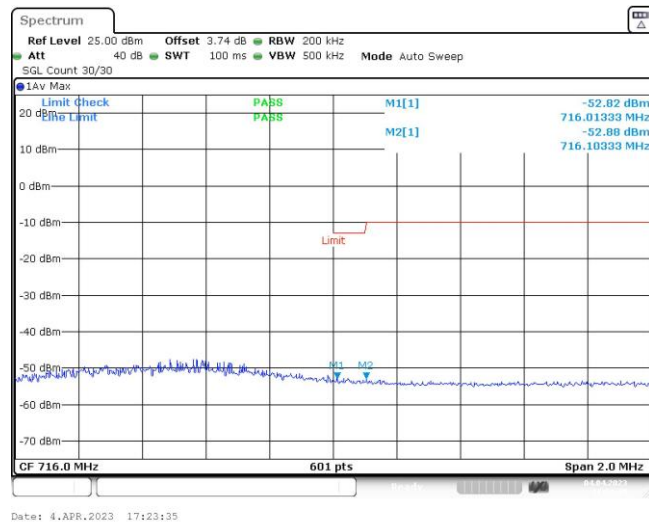
Band17-10MHz-16QAM-23780-1RB#49



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



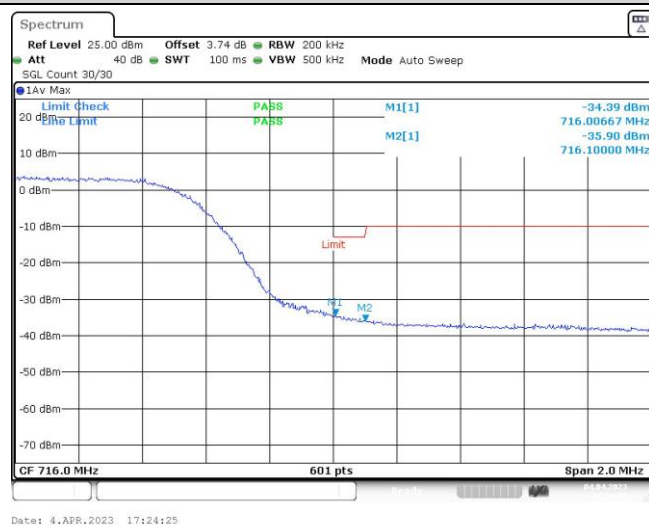
Band17-10MHz-16QAM-23800-1RB#0



Band17-10MHz-16QAM-23800-1RB#49



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



Appendix E: Conducted Spurious Emission

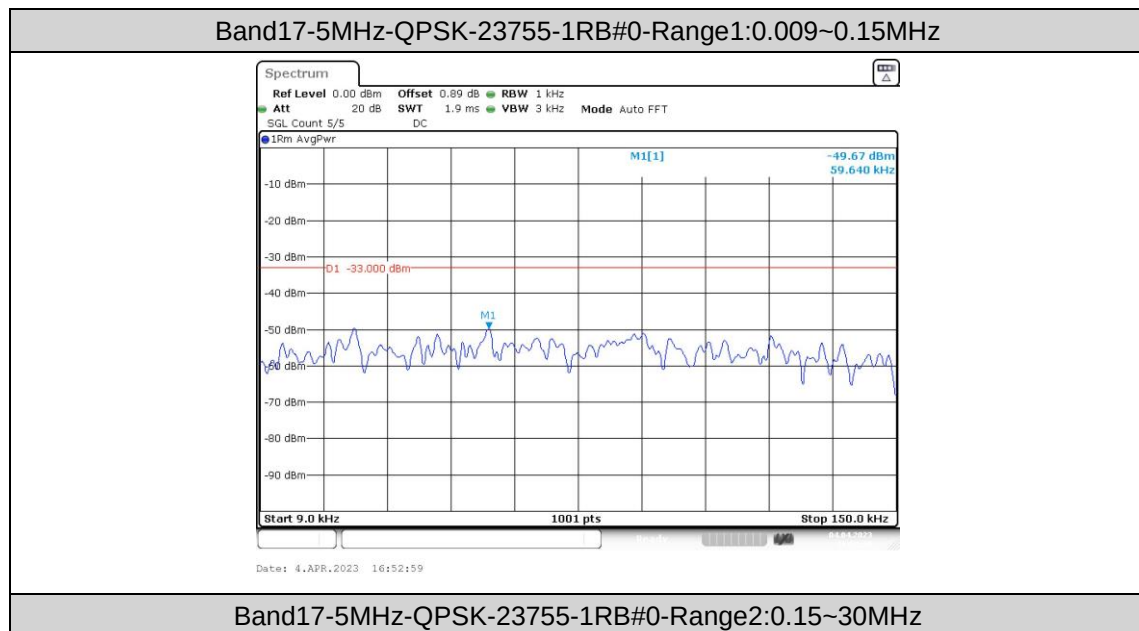
Test Result

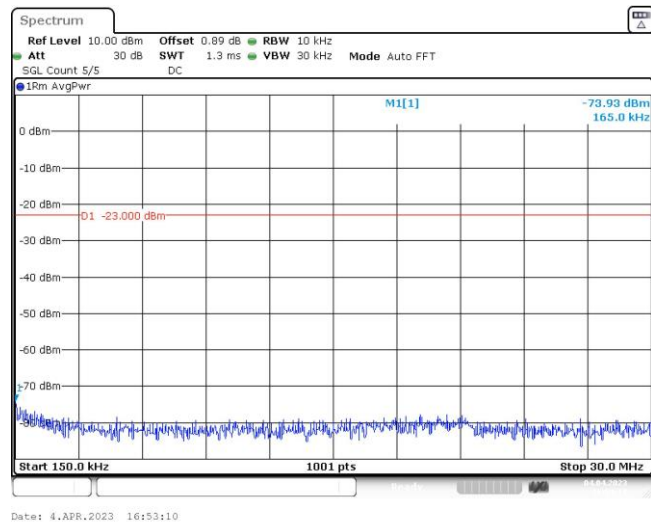
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band1 7	5MHz	QPSK	23755	1RB#0	Range1:0.009~0.15M Hz	-49.6 7	PAS S
Band1 7	5MHz	QPSK	23755	1RB#0	Range2:0.15~30MHz	-73.9 3	PAS S
Band1 7	5MHz	QPSK	23755	1RB#0	Range3:30~1000MHz	-67.2 2	PAS S
Band1 7	5MHz	QPSK	23755	1RB#0	Range4:1000~10000M Hz	-45.3 6	PAS S
Band1 7	5MHz	QPSK	23790	1RB#0	Range1:0.009~0.15M Hz	-51.9	PAS S
Band1 7	5MHz	QPSK	23790	1RB#0	Range2:0.15~30MHz	-75.5 6	PAS S
Band1 7	5MHz	QPSK	23790	1RB#0	Range3:30~1000MHz	-66.9 5	PAS S
Band1 7	5MHz	QPSK	23790	1RB#0	Range4:1000~10000M Hz	-45.0 5	PAS S
Band1 7	5MHz	QPSK	23825	1RB#0	Range1:0.009~0.15M Hz	-55.7 5	PAS S
Band1 7	5MHz	QPSK	23825	1RB#0	Range2:0.15~30MHz	-75.1 4	PAS S
Band1 7	5MHz	QPSK	23825	1RB#0	Range3:30~1000MHz	-67.1 2	PAS S
Band1 7	5MHz	QPSK	23825	1RB#0	Range4:1000~10000M Hz	-47.7 2	PAS S
Band1 7	5MHz	16QAM	23755	1RB#0	Range1:0.009~0.15M Hz	-49.8 3	PAS S
Band1 7	5MHz	16QAM	23755	1RB#0	Range2:0.15~30MHz	-74.8 9	PAS S
Band1 7	5MHz	16QAM	23755	1RB#0	Range3:30~1000MHz	-67.1 1	PAS S
Band1 7	5MHz	16QAM	23755	1RB#0	Range4:1000~10000M Hz	-45.0 7	PAS S
Band1 7	5MHz	16QAM	23790	1RB#0	Range1:0.009~0.15M Hz	-50.3 6	PAS S

Band1 7	5MHz	16QAM	23790	1RB#0	Range2:0.15~30MHz	-74.9 4	PAS S
Band1 7	5MHz	16QAM	23790	1RB#0	Range3:30~1000MHz	-67.2 1	PAS S
Band1 7	5MHz	16QAM	23790	1RB#0	Range4:1000~10000M Hz	-48.2 9	PAS S
Band1 7	5MHz	16QAM	23825	1RB#0	Range1:0.009~0.15M Hz	-51.6 9	PAS S
Band1 7	5MHz	16QAM	23825	1RB#0	Range2:0.15~30MHz	-75.0 9	PAS S
Band1 7	5MHz	16QAM	23825	1RB#0	Range3:30~1000MHz	-67.3 8	PAS S
Band1 7	5MHz	16QAM	23825	1RB#0	Range4:1000~10000M Hz	-47.6 6	PAS S
Band1 7	10MHz	QPSK	23780	1RB#0	Range1:0.009~0.15M Hz	-51	PAS S
Band1 7	10MHz	QPSK	23780	1RB#0	Range2:0.15~30MHz	-74.4 6	PAS S
Band1 7	10MHz	QPSK	23780	1RB#0	Range3:30~1000MHz	-67.1 7	PAS S
Band1 7	10MHz	QPSK	23780	1RB#0	Range4:1000~10000M Hz	-43.3 8	PAS S
Band1 7	10MHz	QPSK	23790	1RB#0	Range1:0.009~0.15M Hz	-51.6 9	PAS S
Band1 7	10MHz	QPSK	23790	1RB#0	Range2:0.15~30MHz	-74.6	PAS S
Band1 7	10MHz	QPSK	23790	1RB#0	Range3:30~1000MHz	-67.2 1	PAS S
Band1 7	10MHz	QPSK	23790	1RB#0	Range4:1000~10000M Hz	-42.5 7	PAS S
Band1 7	10MHz	QPSK	23800	1RB#0	Range1:0.009~0.15M Hz	-54.2 7	PAS S
Band1 7	10MHz	QPSK	23800	1RB#0	Range2:0.15~30MHz	-74.7 1	PAS S
Band1 7	10MHz	QPSK	23800	1RB#0	Range3:30~1000MHz	-67.2 7	PAS S
Band1 7	10MHz	QPSK	23800	1RB#0	Range4:1000~10000M Hz	-47.5 8	PAS S
Band1 7	10MHz	16QAM	23780	1RB#0	Range1:0.009~0.15M Hz	-50.0 6	PAS S
Band1 7	10MHz	16QAM	23780	1RB#0	Range2:0.15~30MHz	-74.4 2	PAS S

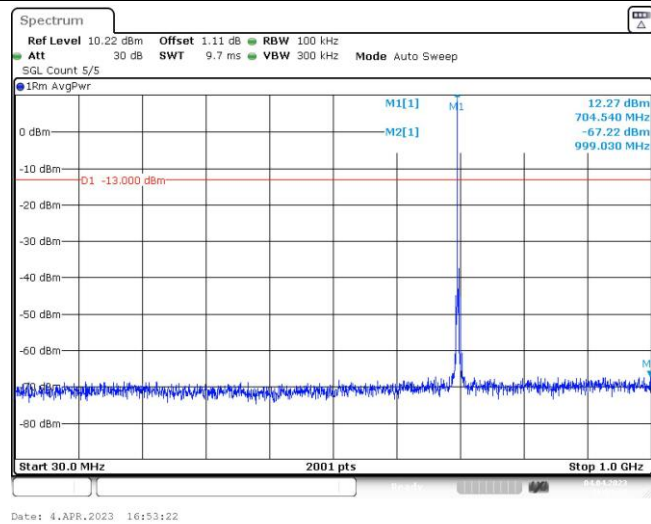
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Band1 7	10MHz	16QAM	23780	1RB#0	Range4:1000~10000M Hz	-45.4	PAS S
Band1 7	10MHz	16QAM	23790	1RB#0	Range1:0.009~0.15M Hz	-47.1 8	PAS S
Band1 7	10MHz	16QAM	23790	1RB#0	Range2:0.15~30MHz	-74.3 2	PAS S
Band1 7	10MHz	16QAM	23790	1RB#0	Range3:30~1000MHz	-67.1 1	PAS S
Band1 7	10MHz	16QAM	23790	1RB#0	Range4:1000~10000M Hz	-45.4	PAS S
Band1 7	10MHz	16QAM	23800	1RB#0	Range1:0.009~0.15M Hz	-51.9	PAS S
Band1 7	10MHz	16QAM	23800	1RB#0	Range2:0.15~30MHz	-74.3 4	PAS S
Band1 7	10MHz	16QAM	23800	1RB#0	Range3:30~1000MHz	-67.4	PAS S
Band1 7	10MHz	16QAM	23800	1RB#0	Range4:1000~10000M Hz	-48.0 6	PAS S

Test Graphs

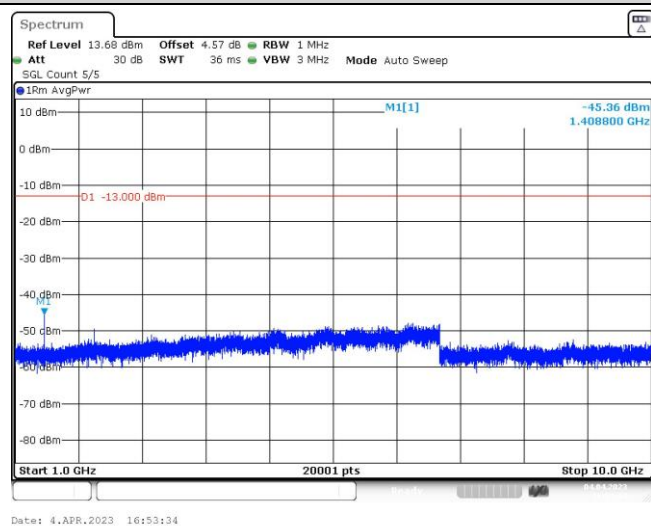




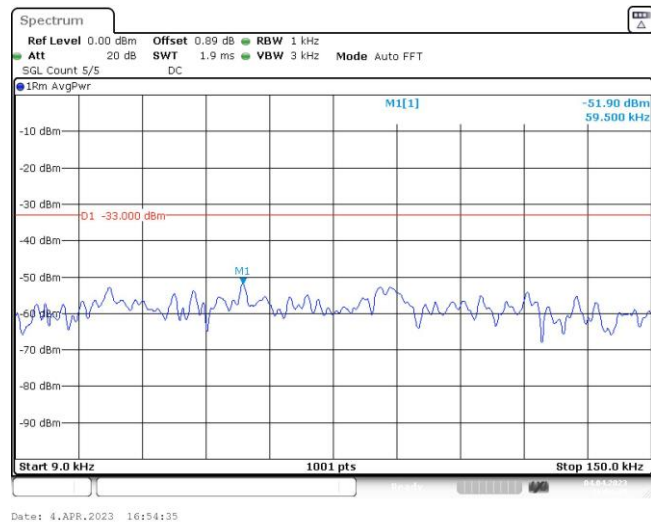
Band17-5MHz-QPSK-23755-1RB#0-Range3:30~1000MHz



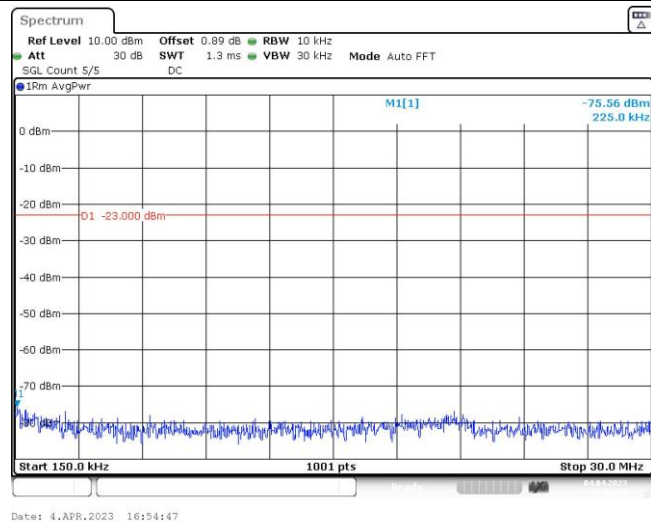
Band17-5MHz-QPSK-23755-1RB#0-Range4:1000~10000MHz



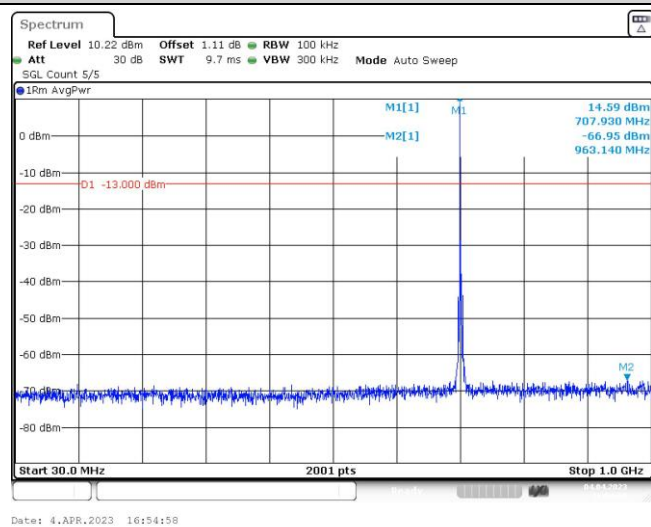
Band17-5MHz-QPSK-23790-1RB#0-Range1:0.009~0.15MHz



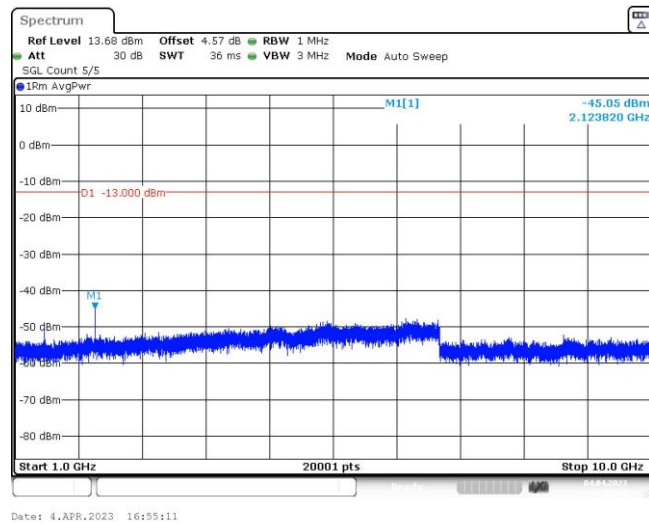
Band17-5MHz-QPSK-23790-1RB#0-Range2:0.15~30MHz



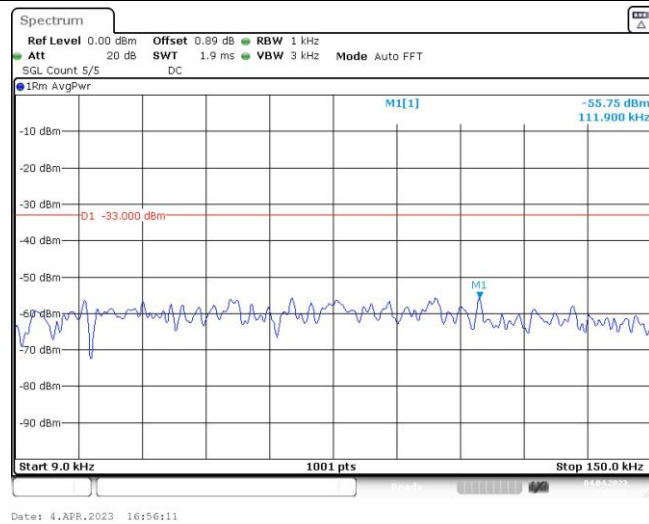
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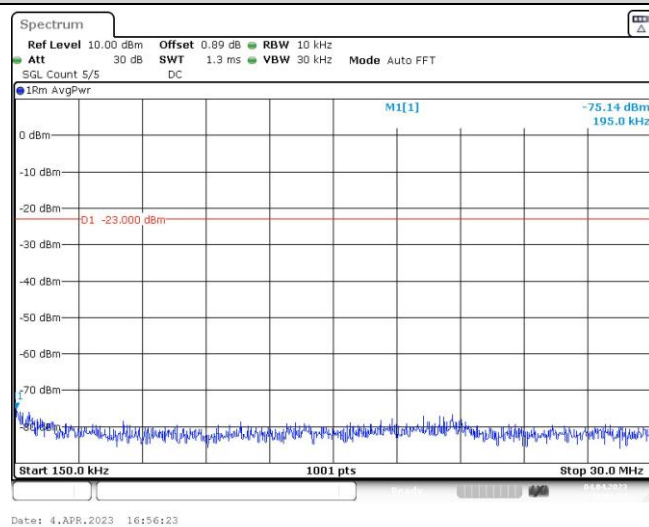
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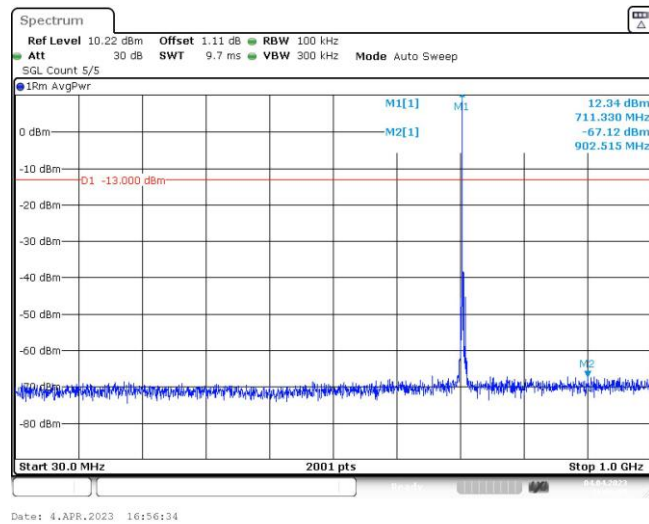
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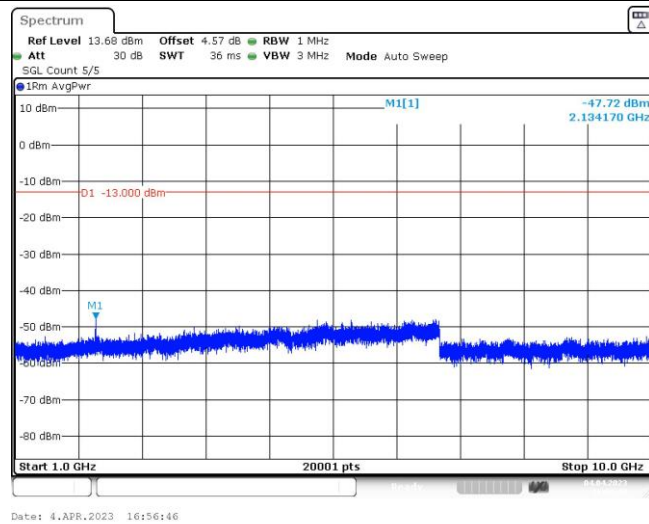
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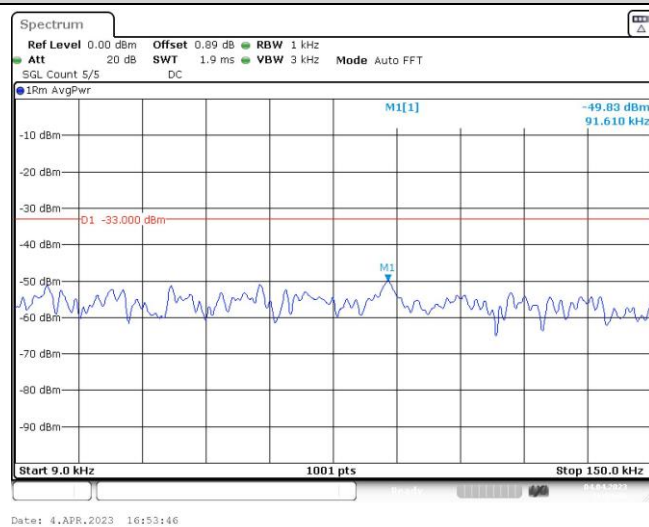
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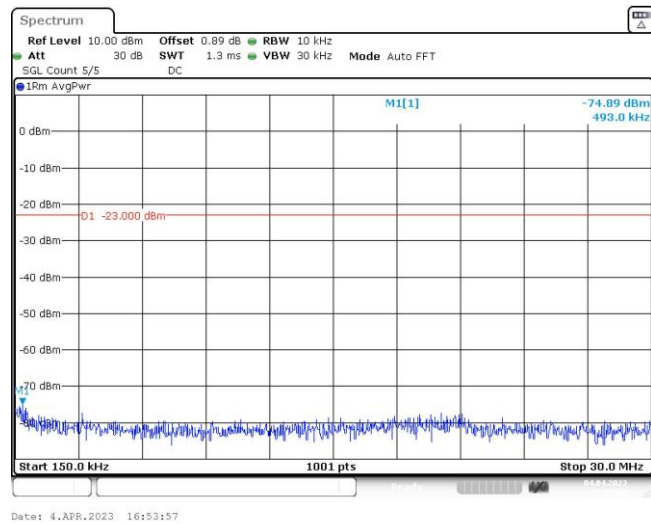
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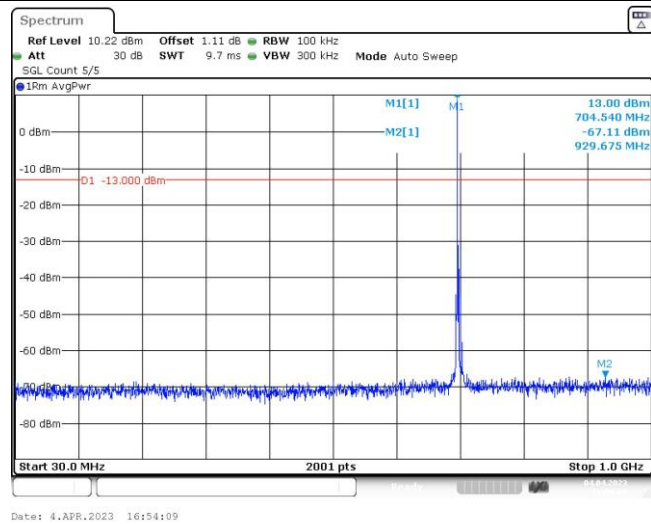
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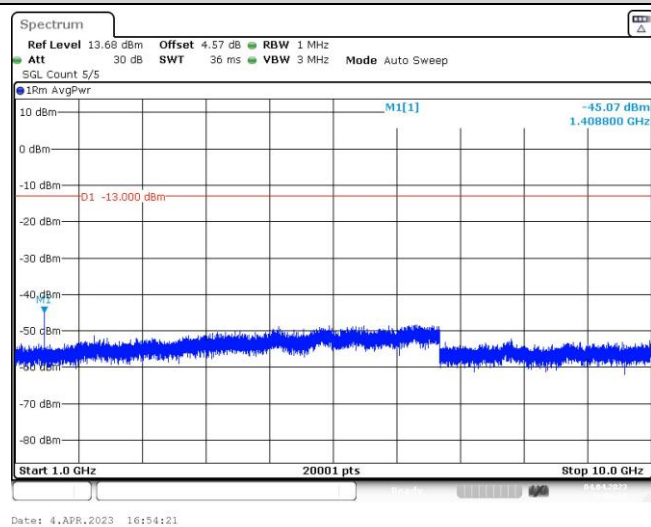
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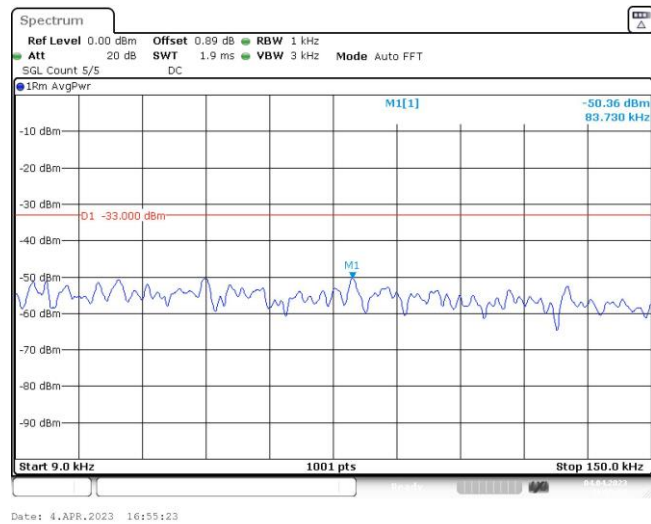
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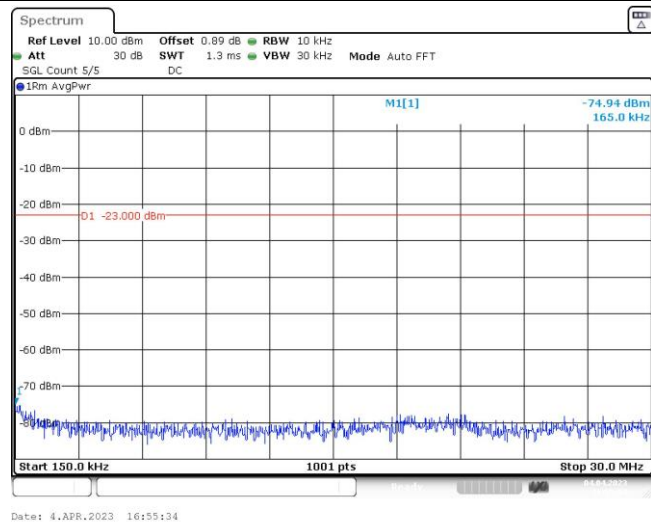
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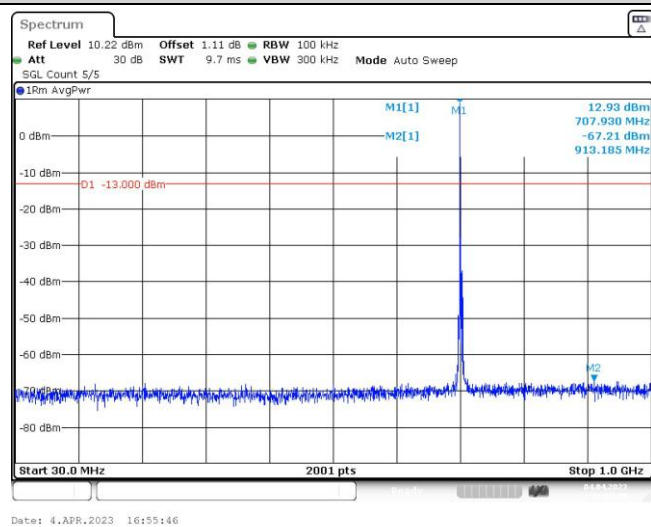
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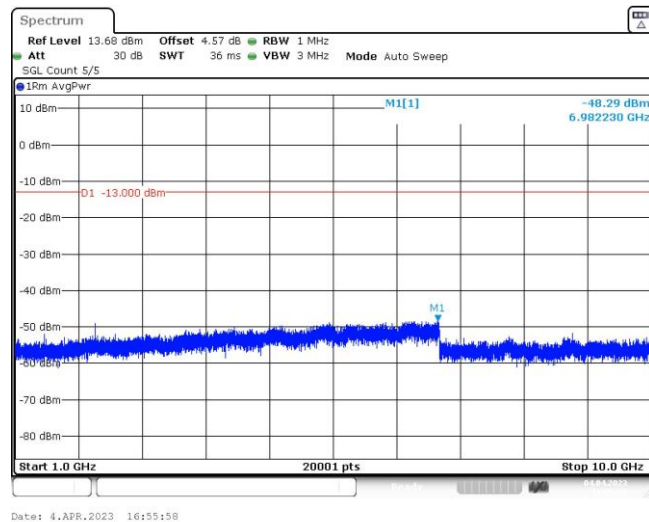
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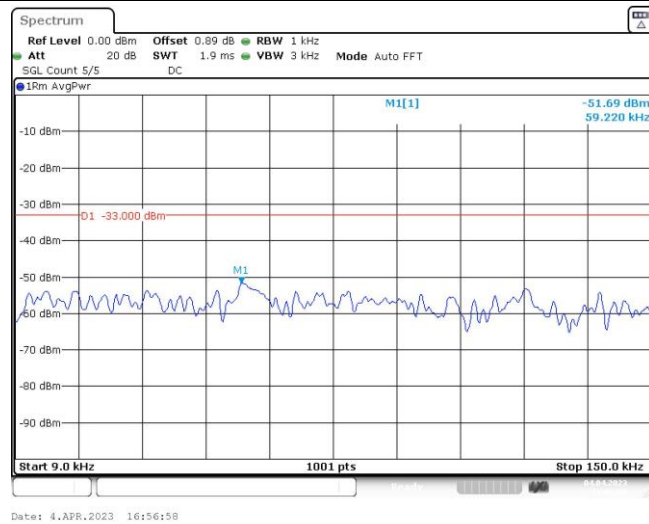
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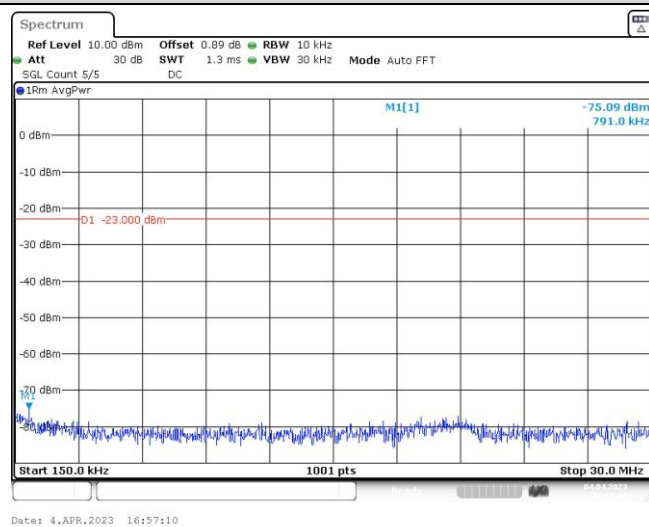
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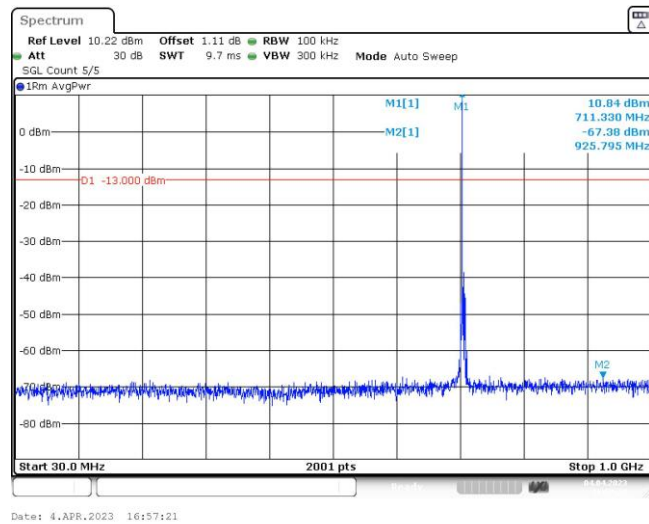
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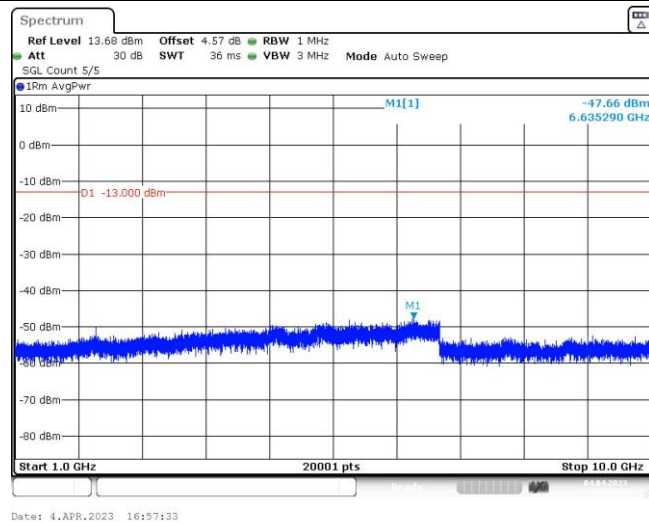
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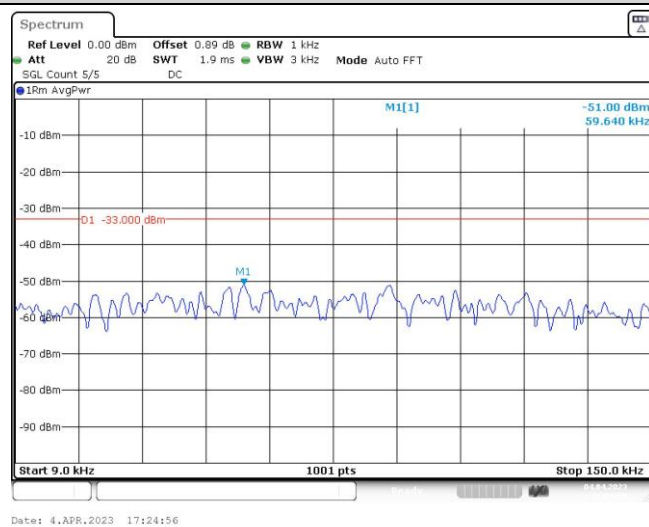
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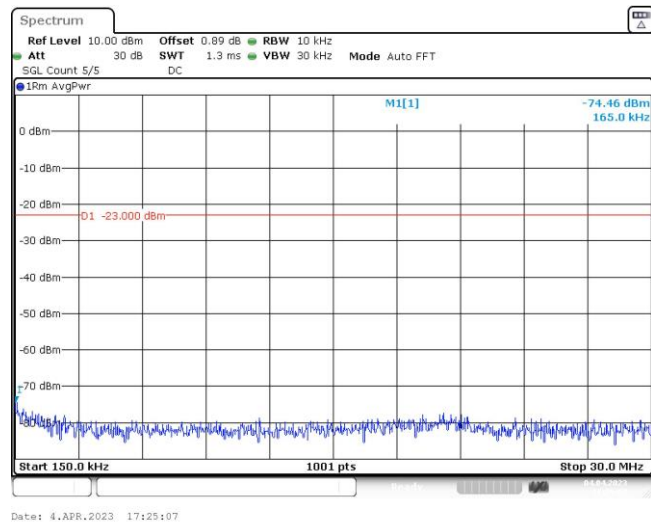
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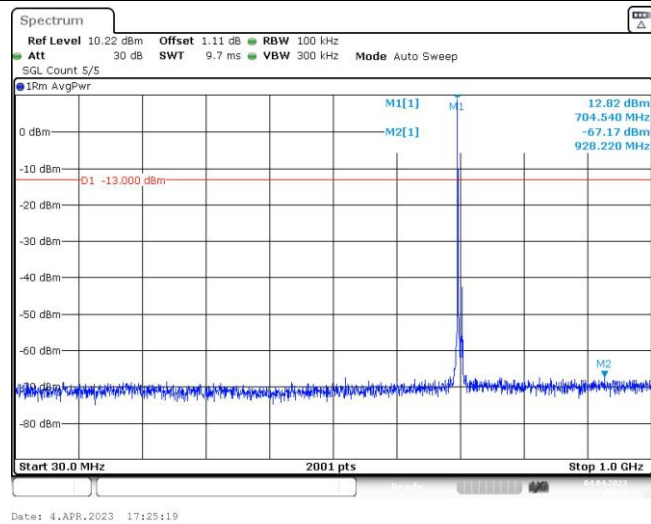
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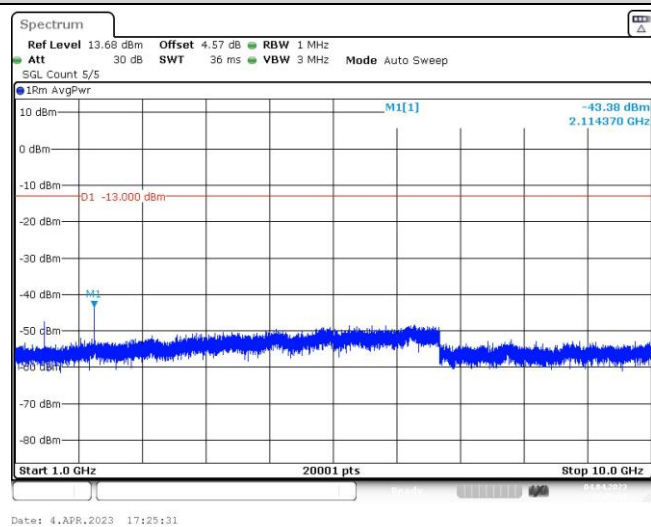
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Band17-10MHz-QPSK-23780-1RB#0-Range3:30~1000MHz



Band17-10MHz-QPSK-23780-1RB#0-Range4:1000~10000MHz



Band17-10MHz-QPSK-23790-1RB#0-Range1:0.009~0.15MHz