

Appendix for Band 17

Product Name: Smart Phone

Model No: N3

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	22.43	PASS
Band17	5MHz	QPSK	23755	1RB#12	22.36	PASS
Band17	5MHz	QPSK	23755	1RB#24	22.46	PASS
Band17	5MHz	QPSK	23755	12RB#0	21.30	PASS
Band17	5MHz	QPSK	23755	12RB#6	21.28	PASS
Band17	5MHz	QPSK	23755	12RB#13	21.24	PASS
Band17	5MHz	QPSK	23755	25RB#0	21.25	PASS
Band17	5MHz	QPSK	23790	1RB#0	22.36	PASS
Band17	5MHz	QPSK	23790	1RB#12	22.38	PASS
Band17	5MHz	QPSK	23790	1RB#24	22.38	PASS
Band17	5MHz	QPSK	23790	12RB#0	21.30	PASS
Band17	5MHz	QPSK	23790	12RB#6	21.34	PASS
Band17	5MHz	QPSK	23790	12RB#13	21.24	PASS
Band17	5MHz	QPSK	23790	25RB#0	21.29	PASS
Band17	5MHz	QPSK	23825	1RB#0	22.46	PASS
Band17	5MHz	QPSK	23825	1RB#12	22.43	PASS
Band17	5MHz	QPSK	23825	1RB#24	22.51	PASS
Band17	5MHz	QPSK	23825	12RB#0	21.34	PASS
Band17	5MHz	QPSK	23825	12RB#6	21.36	PASS
Band17	5MHz	QPSK	23825	12RB#13	21.25	PASS
Band17	5MHz	QPSK	23825	25RB#0	21.33	PASS
Band17	5MHz	16QAM	23755	1RB#0	21.32	PASS
Band17	5MHz	16QAM	23755	1RB#12	21.27	PASS
Band17	5MHz	16QAM	23755	1RB#24	21.35	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.26	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.26	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.23	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.27	PASS
Band17	5MHz	16QAM	23790	1RB#0	21.55	PASS
Band17	5MHz	16QAM	23790	1RB#12	21.55	PASS

Band17	5MHz	16QAM	23790	1RB#24	21.57	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.34	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.34	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.29	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.29	PASS
Band17	5MHz	16QAM	23825	1RB#0	21.43	PASS
Band17	5MHz	16QAM	23825	1RB#12	21.38	PASS
Band17	5MHz	16QAM	23825	1RB#24	21.43	PASS
Band17	5MHz	16QAM	23825	12RB#0	20.34	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.36	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.32	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.32	PASS
Band17	10MHz	QPSK	23780	1RB#0	22.27	PASS
Band17	10MHz	QPSK	23780	1RB#24	22.31	PASS
Band17	10MHz	QPSK	23780	1RB#49	22.23	PASS
Band17	10MHz	QPSK	23780	25RB#0	21.23	PASS
Band17	10MHz	QPSK	23780	25RB#12	21.21	PASS
Band17	10MHz	QPSK	23780	25RB#25	21.20	PASS
Band17	10MHz	QPSK	23780	50RB#0	21.25	PASS
Band17	10MHz	QPSK	23790	1RB#0	22.26	PASS
Band17	10MHz	QPSK	23790	1RB#24	22.27	PASS
Band17	10MHz	QPSK	23790	1RB#49	22.47	PASS
Band17	10MHz	QPSK	23790	25RB#0	21.26	PASS
Band17	10MHz	QPSK	23790	25RB#12	21.28	PASS
Band17	10MHz	QPSK	23790	25RB#25	21.23	PASS
Band17	10MHz	QPSK	23790	50RB#0	21.27	PASS
Band17	10MHz	QPSK	23800	1RB#0	22.37	PASS
Band17	10MHz	QPSK	23800	1RB#24	22.31	PASS
Band17	10MHz	QPSK	23800	1RB#49	22.29	PASS
Band17	10MHz	QPSK	23800	25RB#0	21.32	PASS
Band17	10MHz	QPSK	23800	25RB#12	21.29	PASS
Band17	10MHz	QPSK	23800	25RB#25	21.25	PASS
Band17	10MHz	QPSK	23800	50RB#0	21.28	PASS
Band17	10MHz	16QAM	23780	1RB#0	21.46	PASS
Band17	10MHz	16QAM	23780	1RB#24	21.47	PASS
Band17	10MHz	16QAM	23780	1RB#49	21.42	PASS

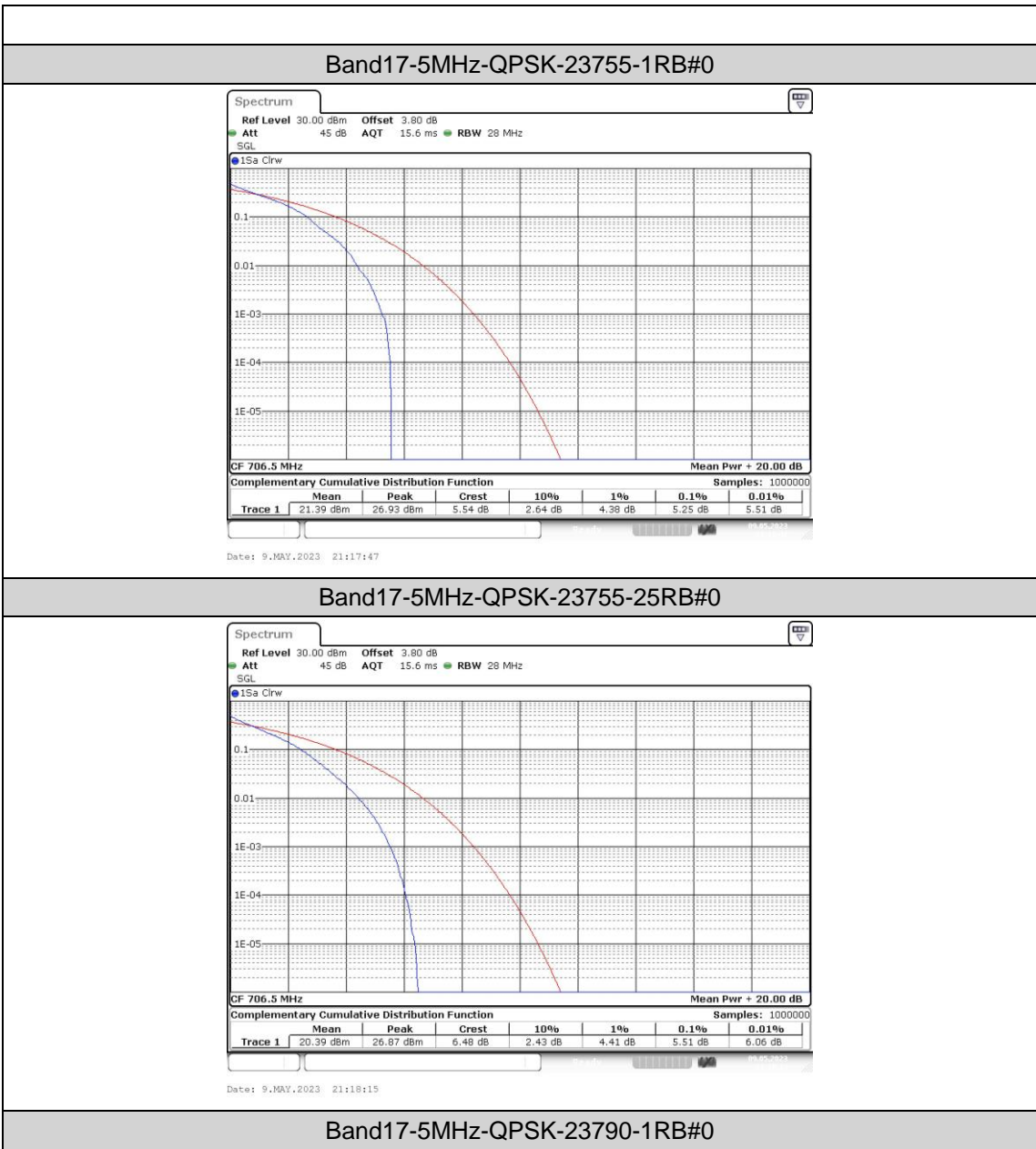
Band17	10MHz	16QAM	23780	25RB#0	21.22	PASS
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Band17	10MHz	16QAM	23780	50RB#0	21.21	PASS
Band17	10MHz	16QAM	23790	1RB#0	21.48	PASS
Band17	10MHz	16QAM	23790	1RB#24	21.47	PASS
Band17	10MHz	16QAM	23790	1RB#49	21.42	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.31	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.29	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.26	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.24	PASS
Band17	10MHz	16QAM	23800	1RB#0	21.24	PASS
Band17	10MHz	16QAM	23800	1RB#24	21.22	PASS
Band17	10MHz	16QAM	23800	1RB#49	21.20	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.33	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.35	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.24	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.26	PASS

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

Test Result

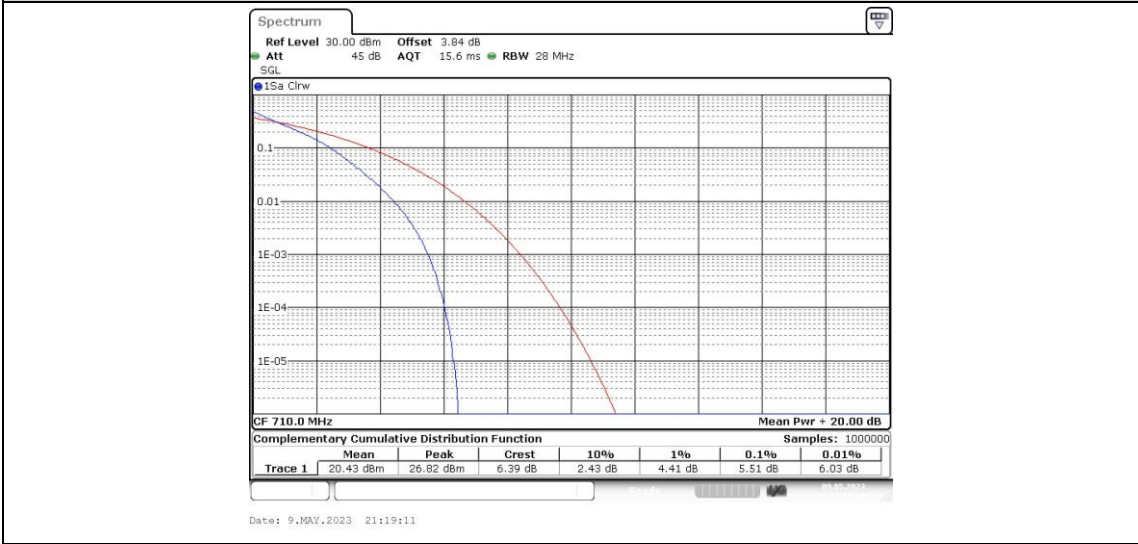
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	5.25	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.51	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	5.13	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.51	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	5.01	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.42	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.68	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.20	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.71	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.20	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.65	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.20	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	5.01	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.48	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	4.93	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.45	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	4.87	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.42	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.88	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.23	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.86	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.23	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.57	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.26	13	PASS

Test Graphs





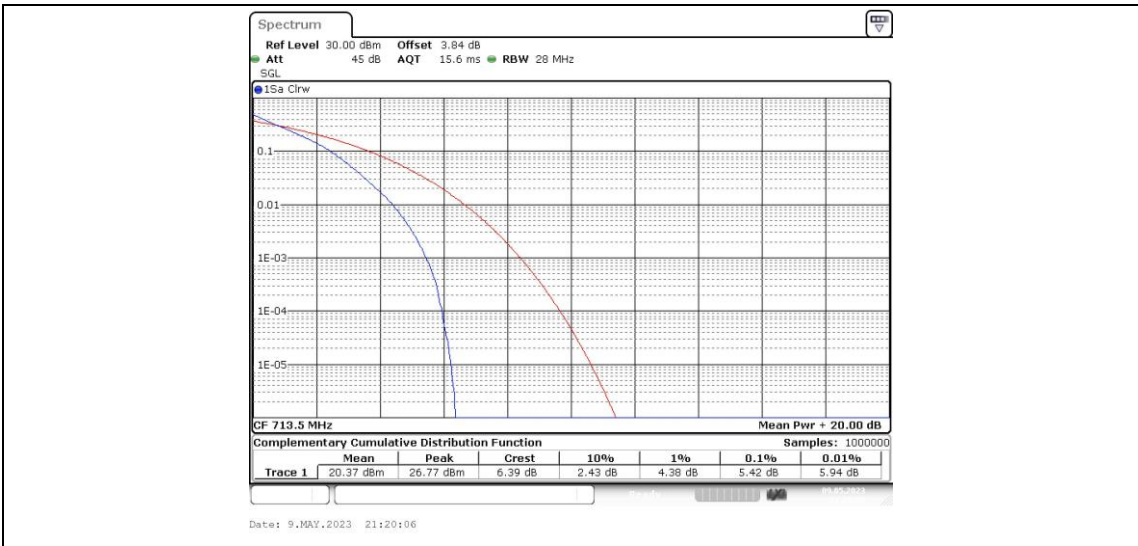
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Band17-5MHz-QPSK-23825-1RB#0



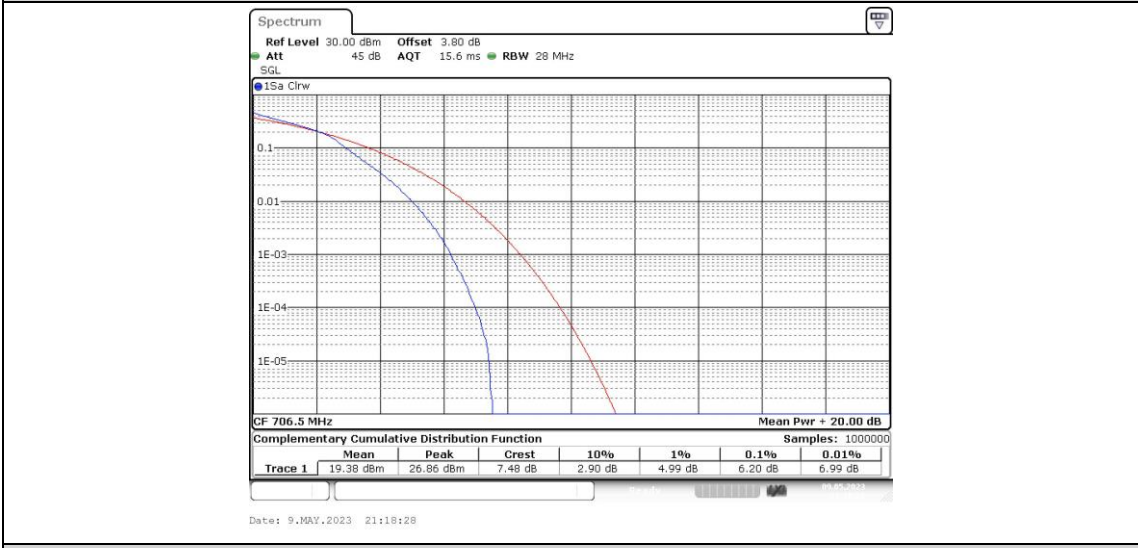
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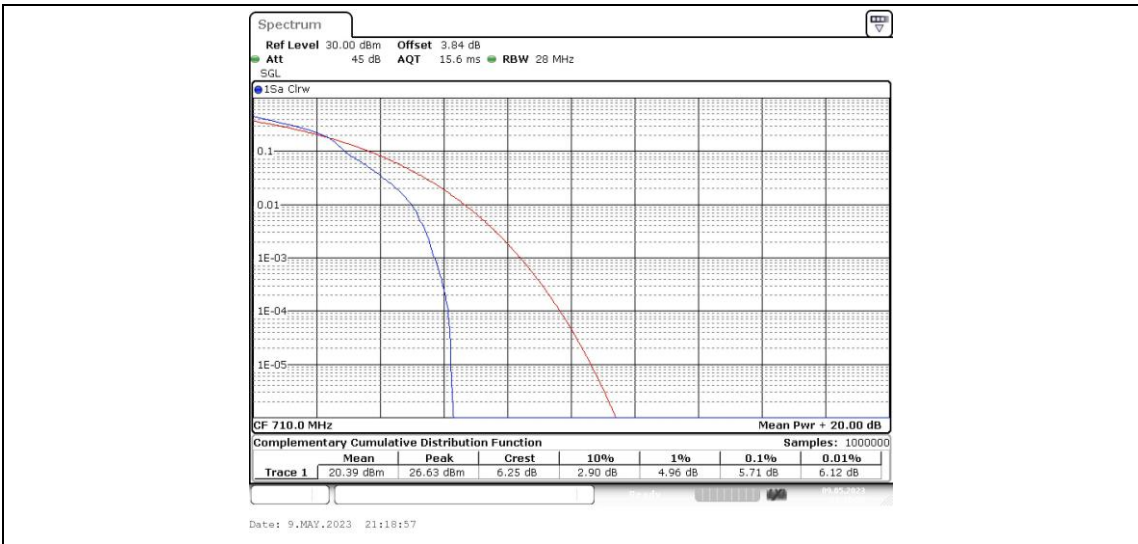
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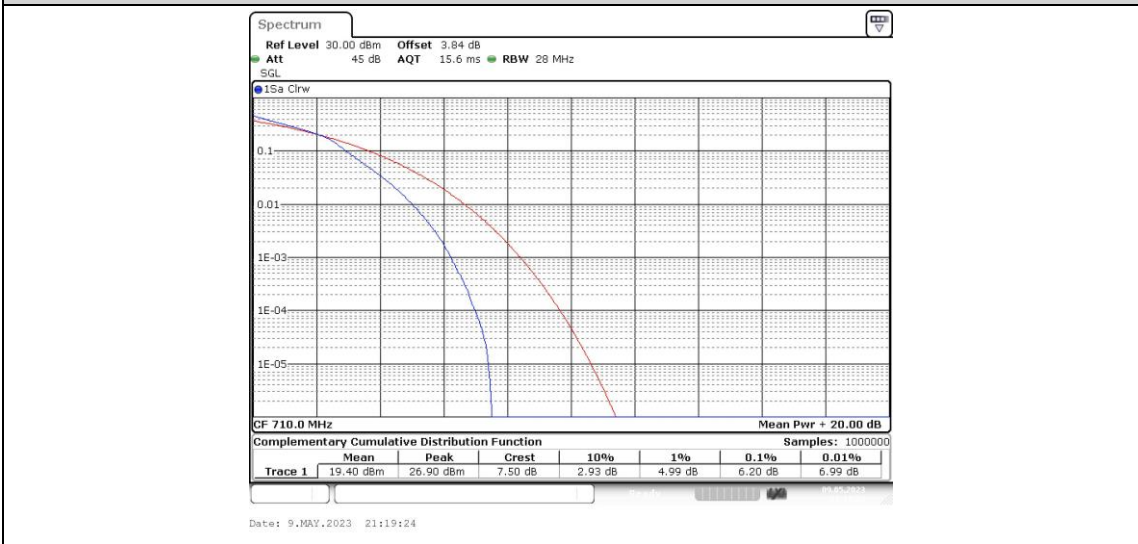
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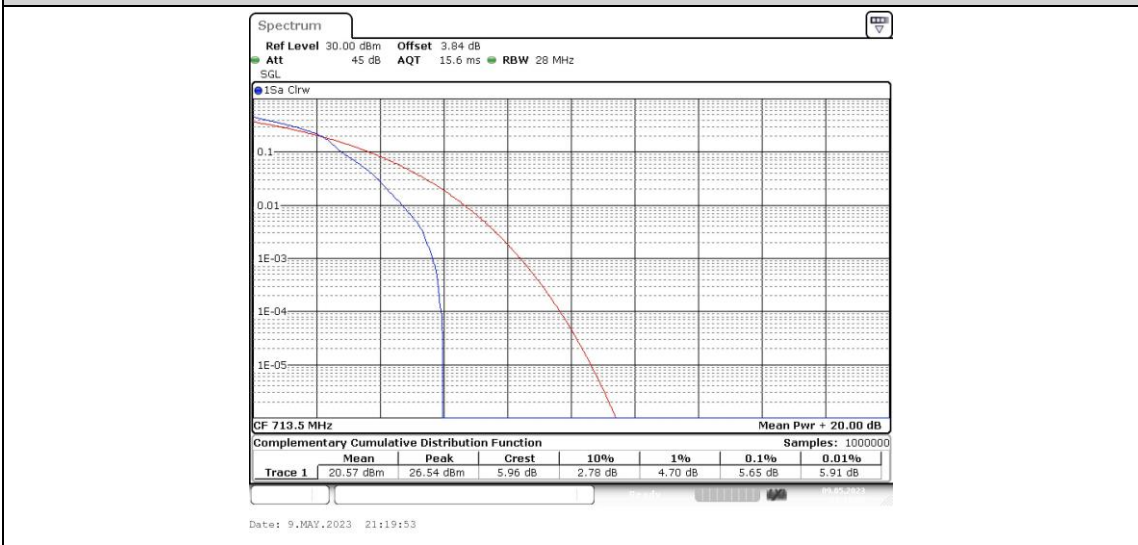
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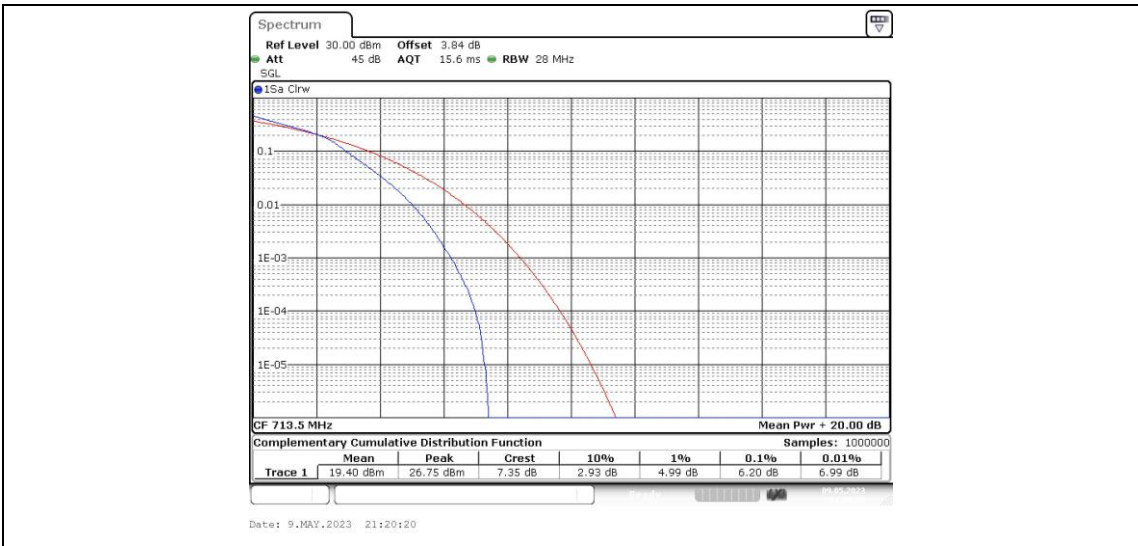
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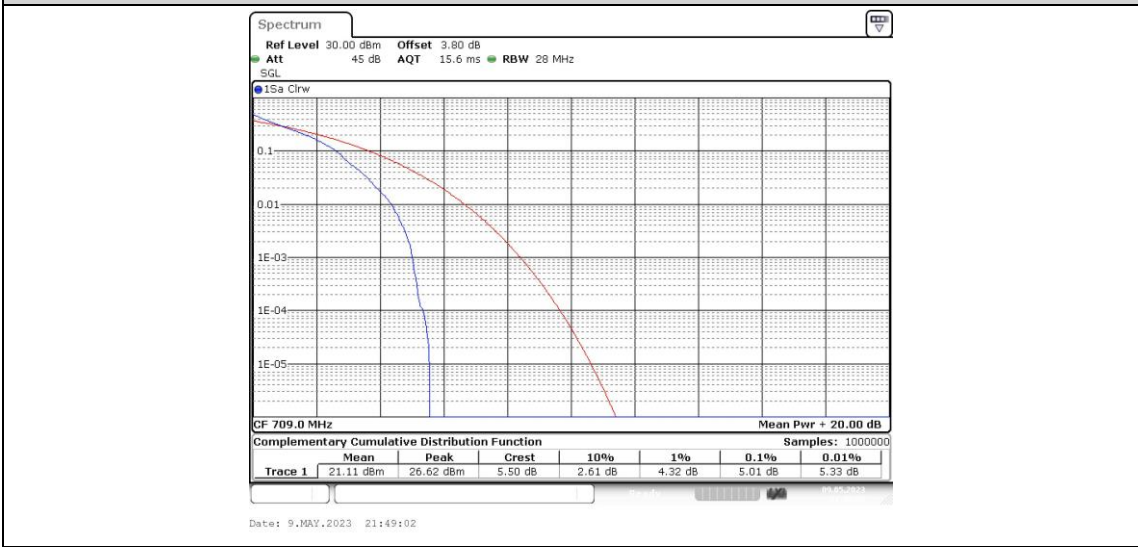
Band17-5MHz-16QAM-23825-1RB#0



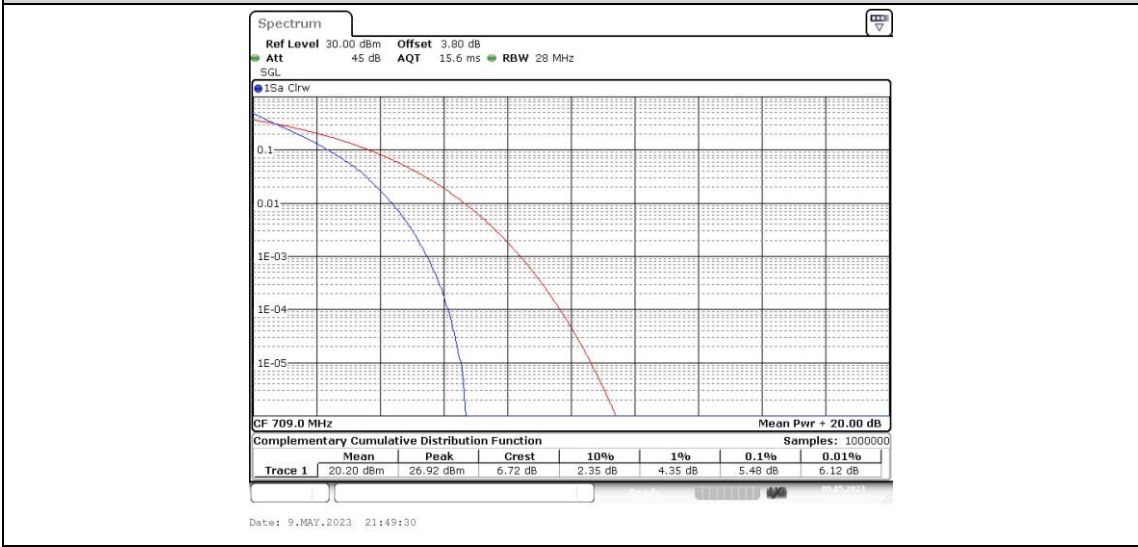
Band17-5MHz-16QAM-23825-25RB#0



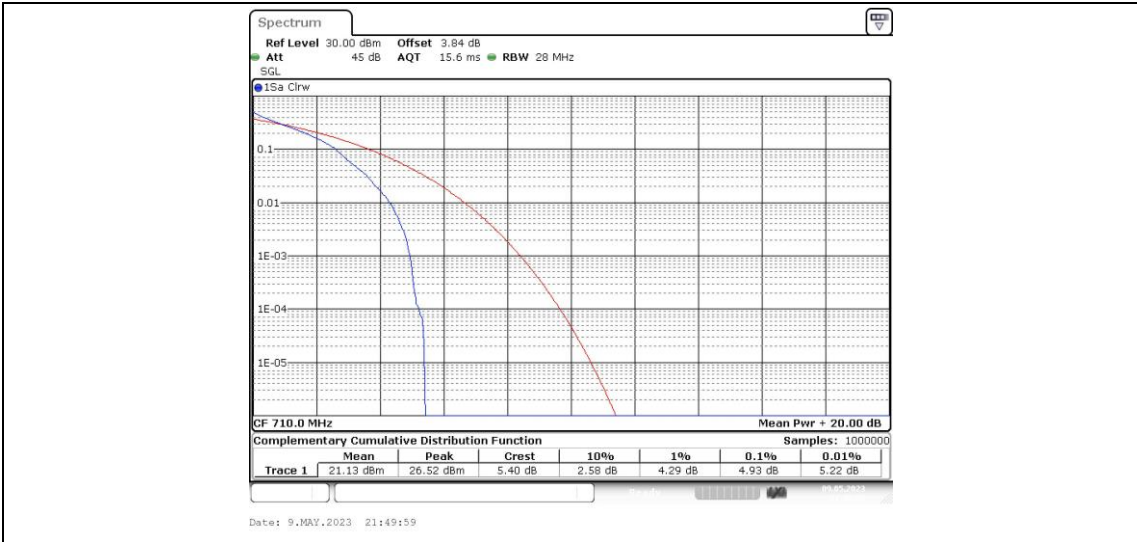
Band17-10MHz-QPSK-23780-1RB#0



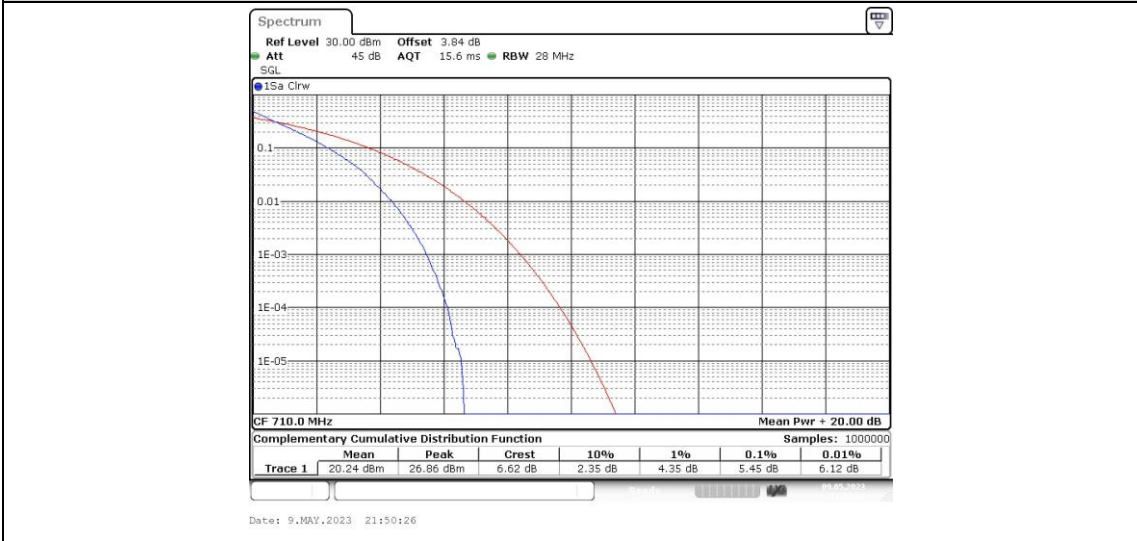
Band17-10MHz-QPSK-23780-50RB#0



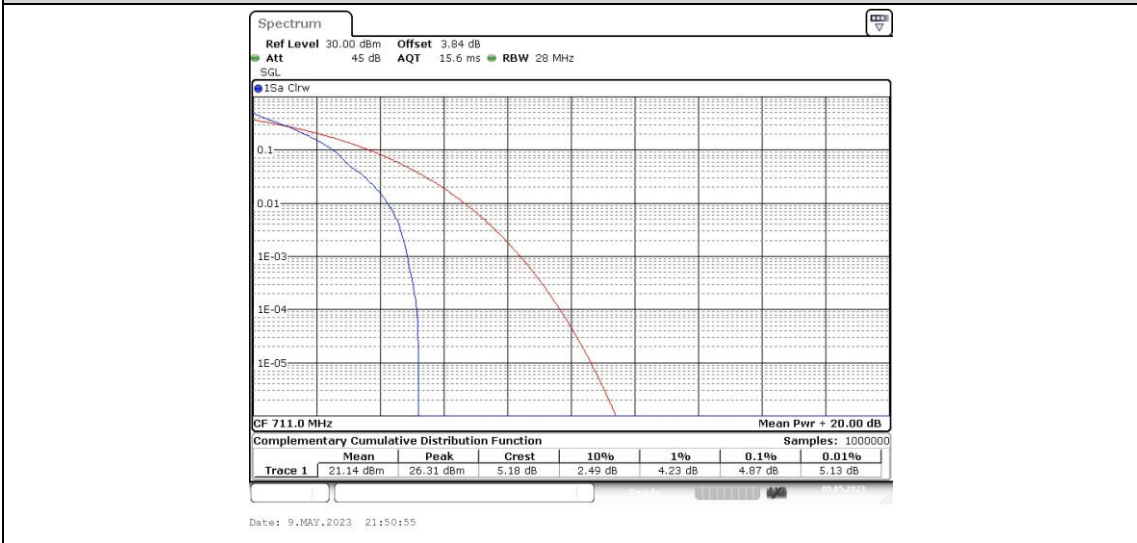
Band17-10MHz-QPSK-23790-1RB#0



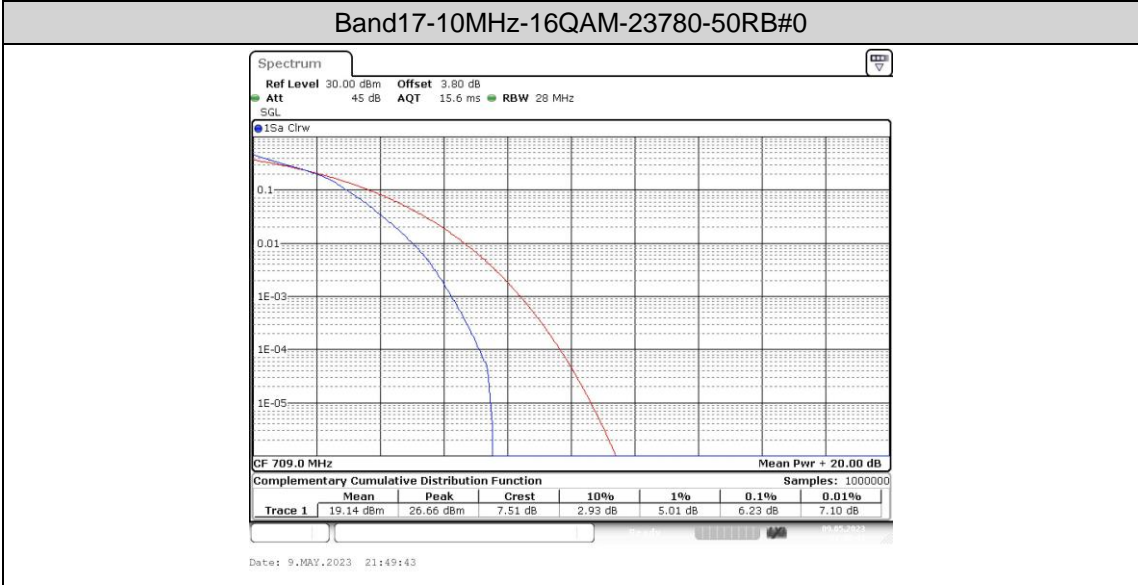
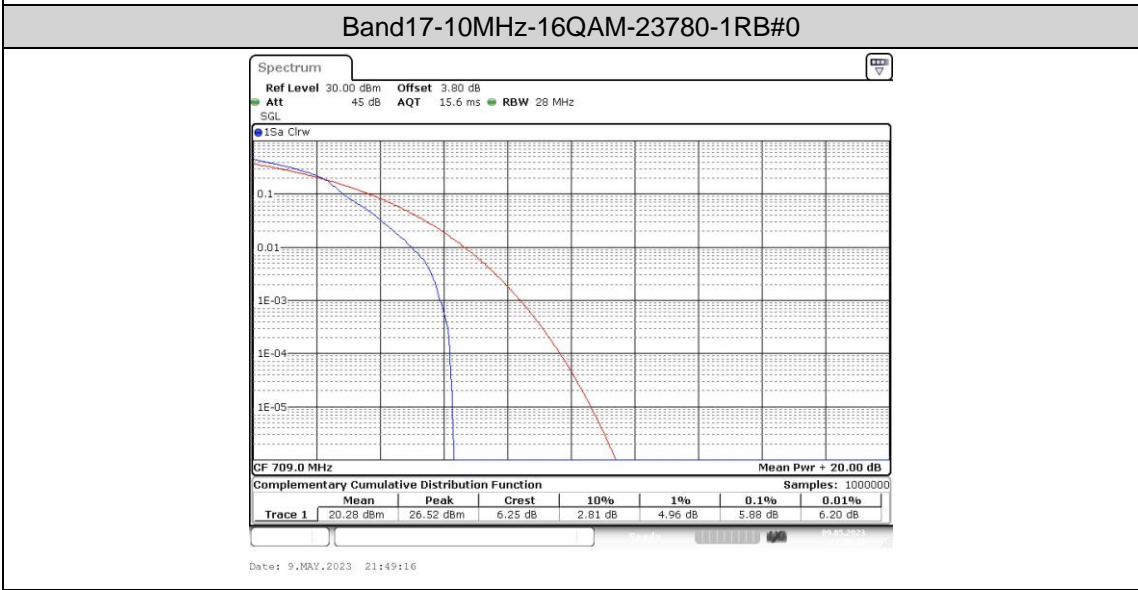
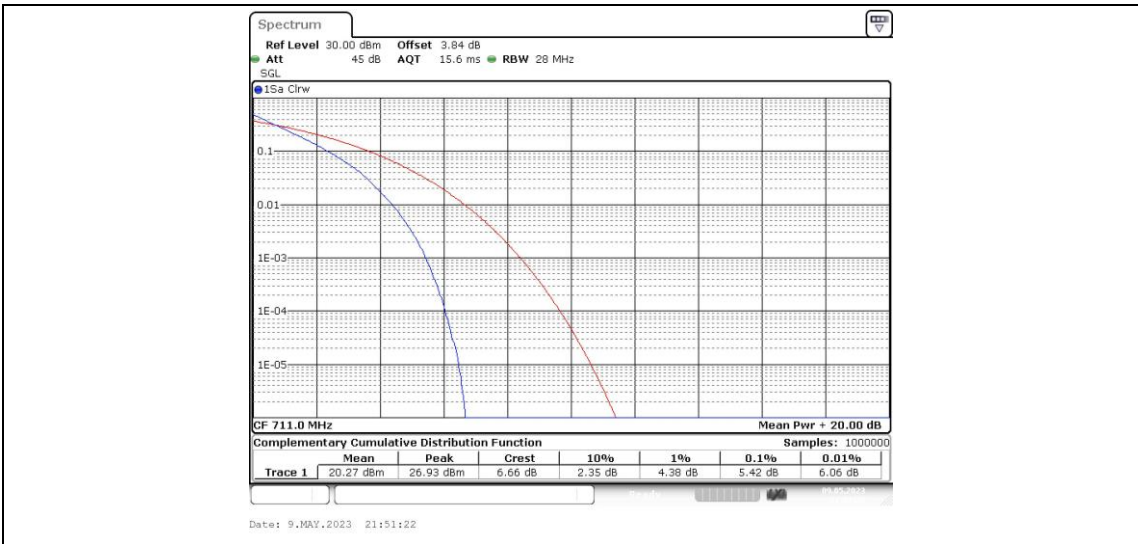
Band17-10MHz-QPSK-23790-50RB#0

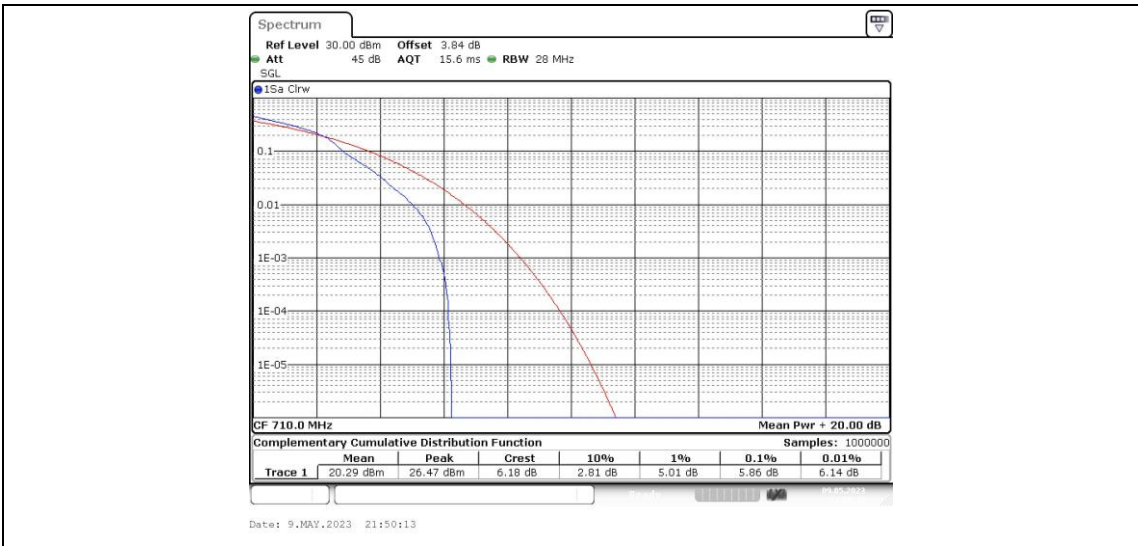


Band17-10MHz-QPSK-23800-1RB#0



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





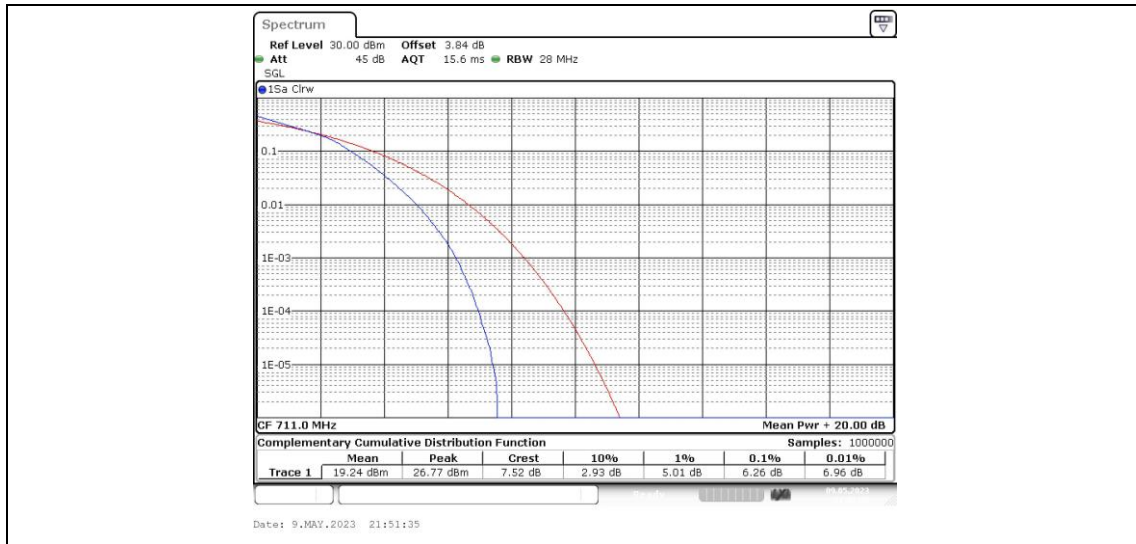
Band17-10MHz-16QAM-23790-50RB#0



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



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

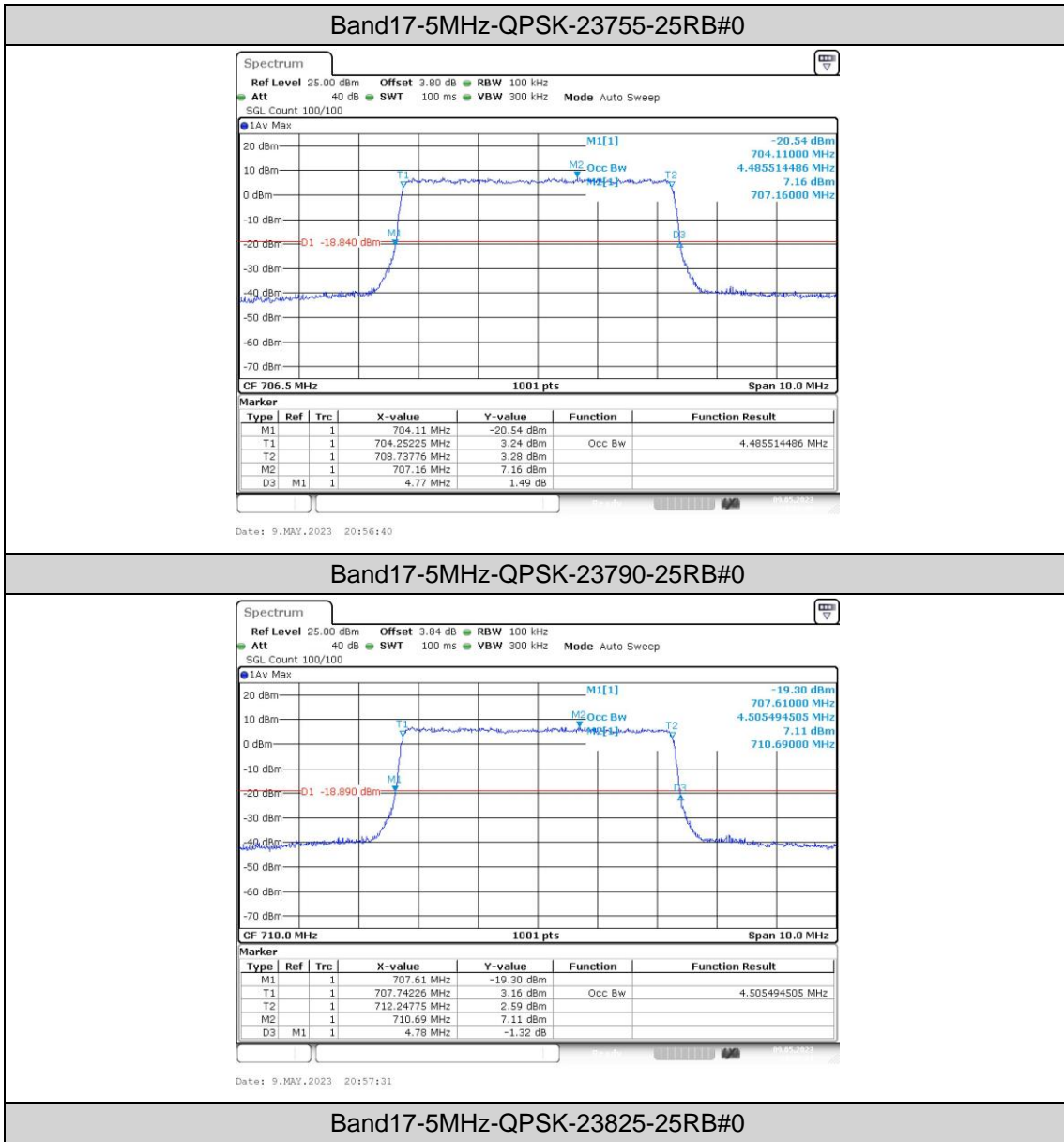


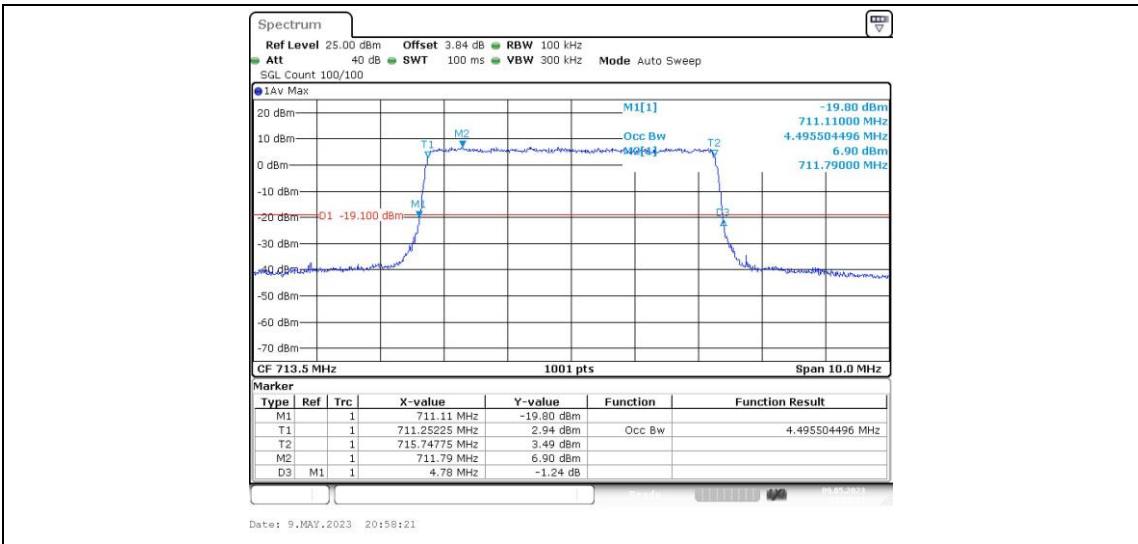
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

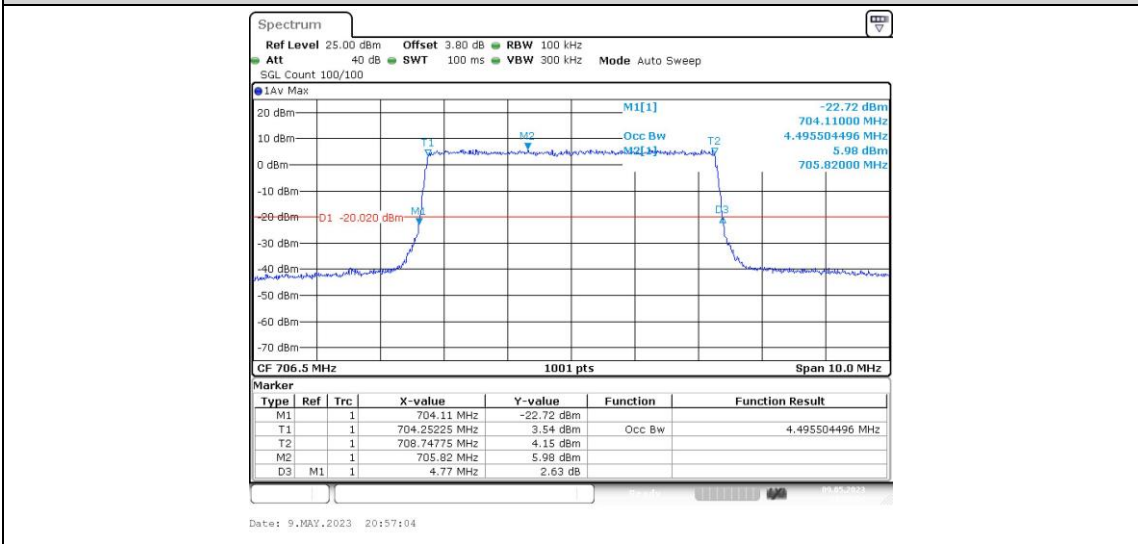
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.486	4.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.505	4.78	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.496	4.78	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.496	4.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.496	4.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.505	4.77	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	8.985	9.53	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.985	9.53	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.952	9.53	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.985	9.53	PASS

Test Graphs

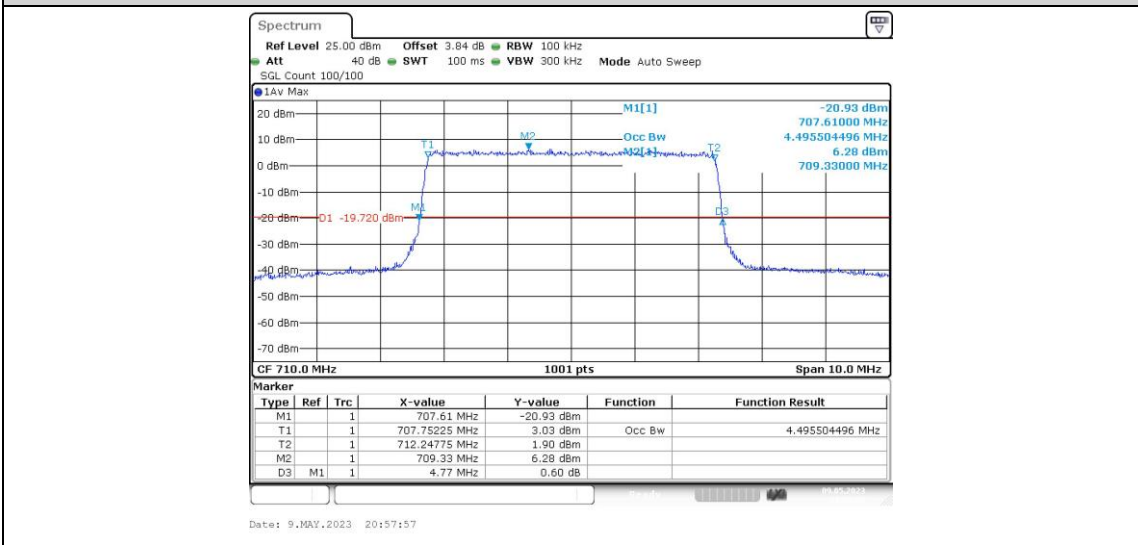




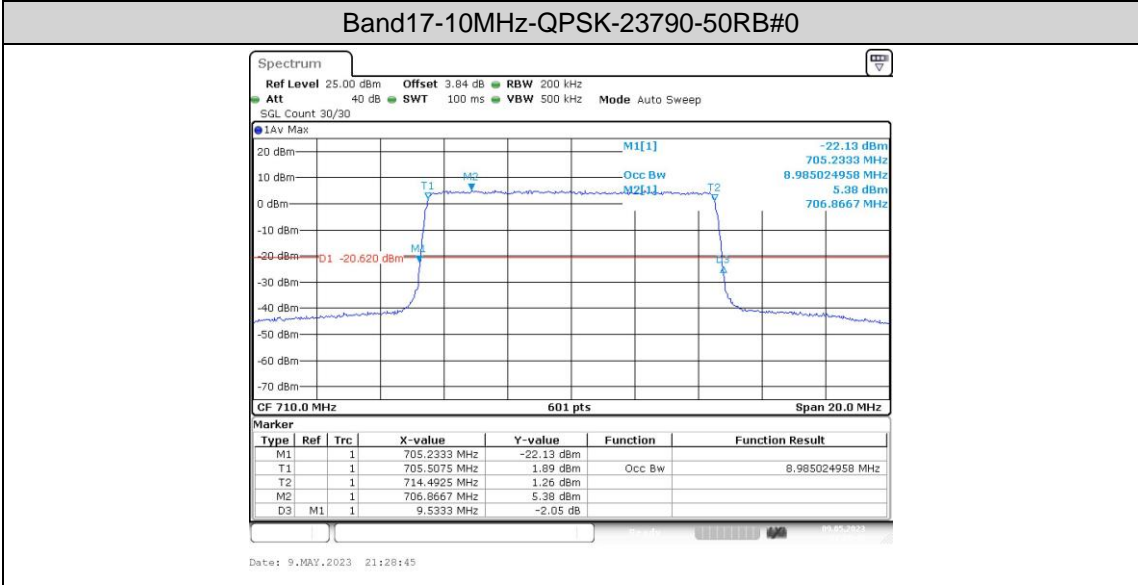
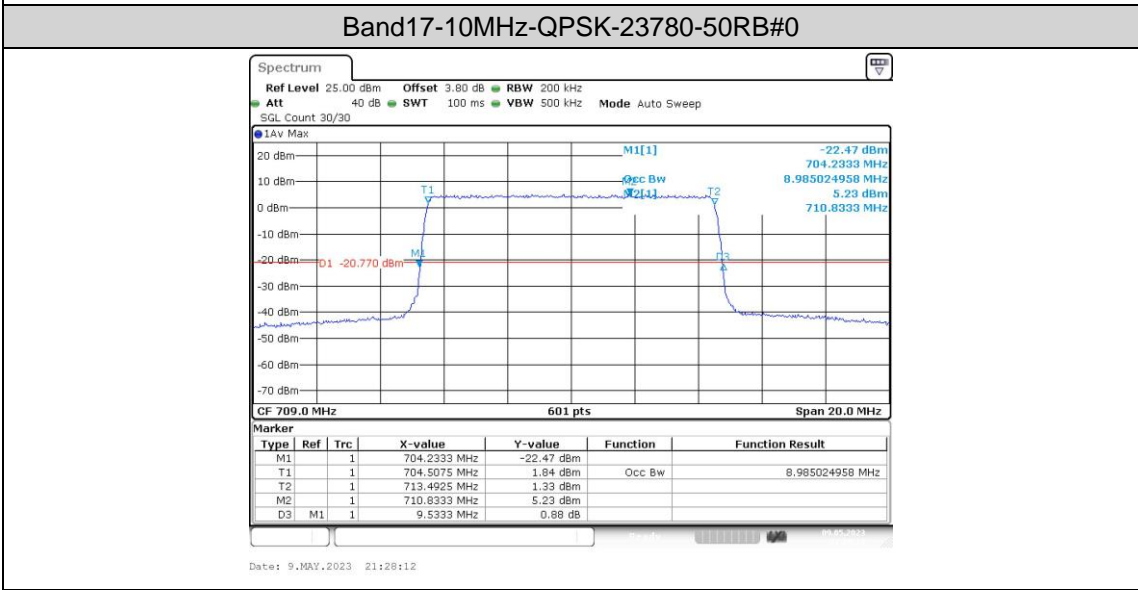
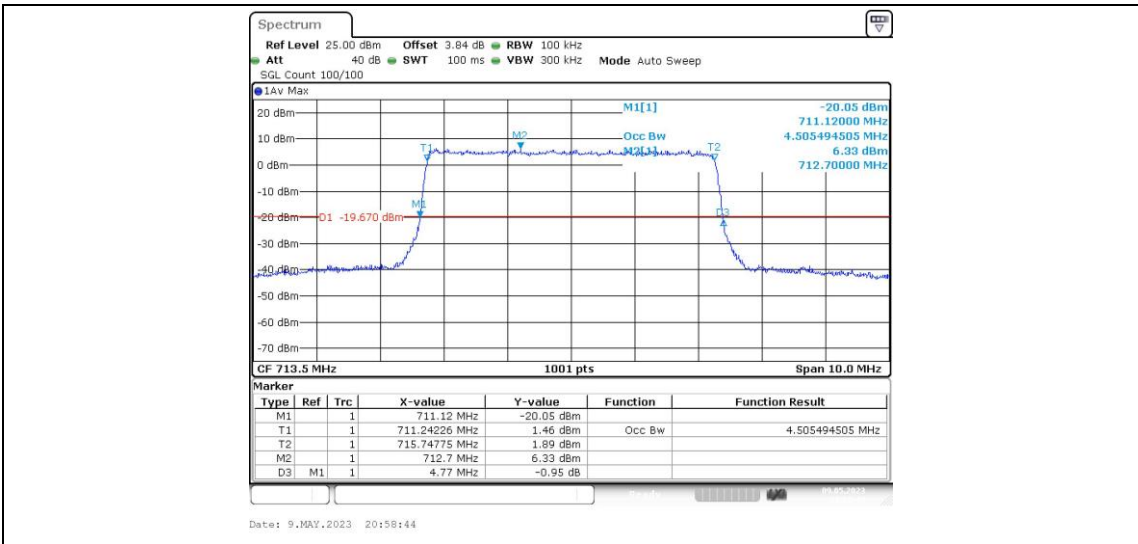
Band17-5MHz-16QAM-23755-25RB#0



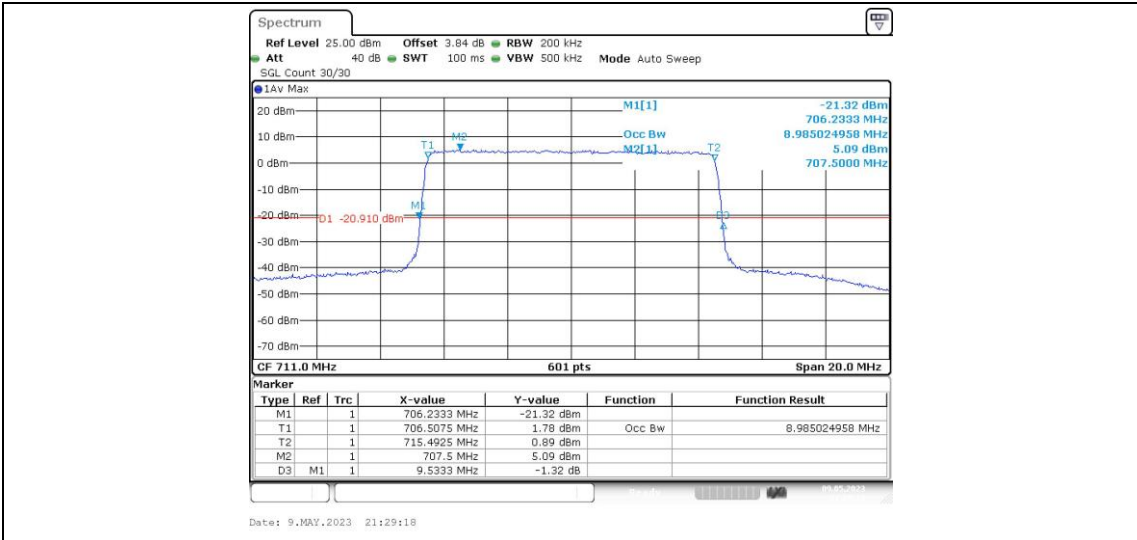
Band17-5MHz-16QAM-23790-25RB#0



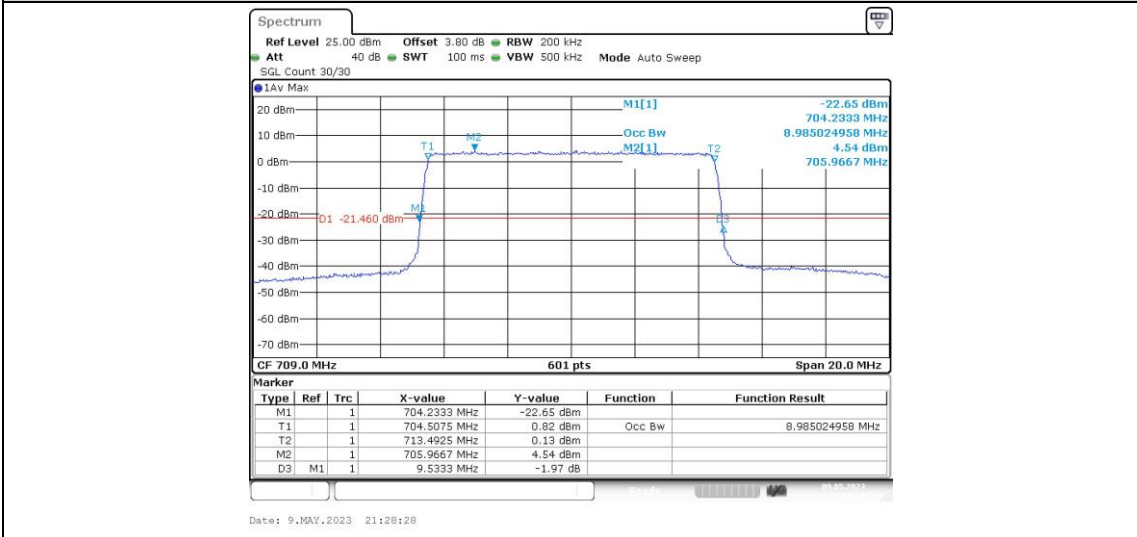
Band17-5MHz-16QAM-23825-25RB#0



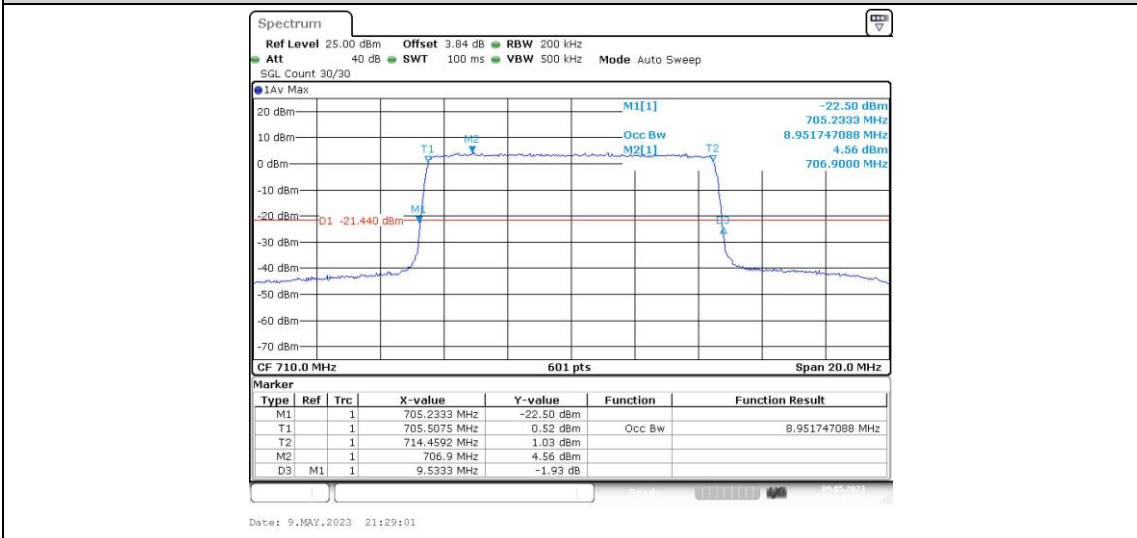
Band17-10MHz-QPSK-23800-50RB#0



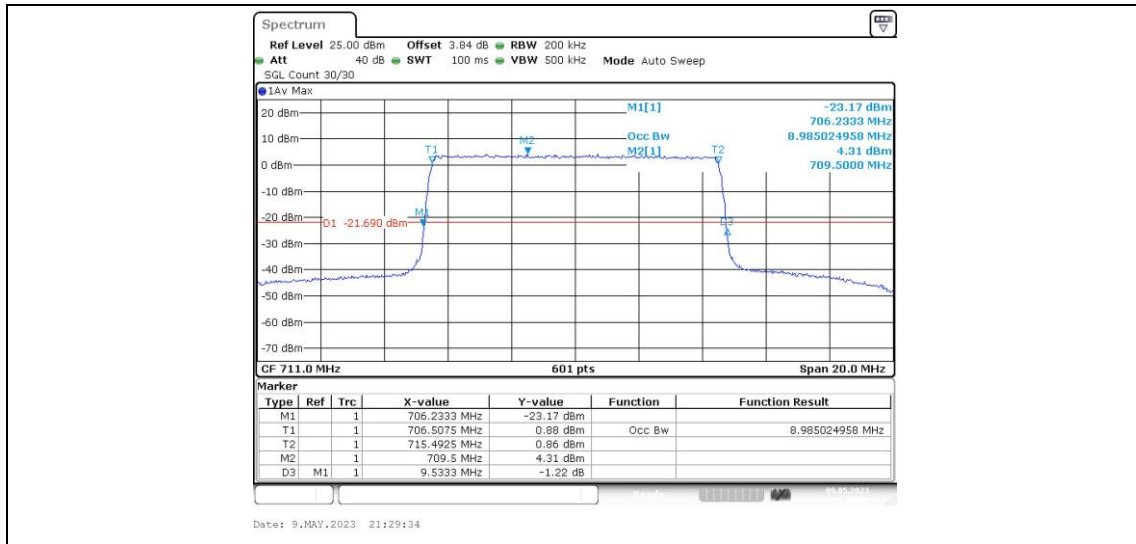
Band17-10MHz-16QAM-23780-50RB#0



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



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

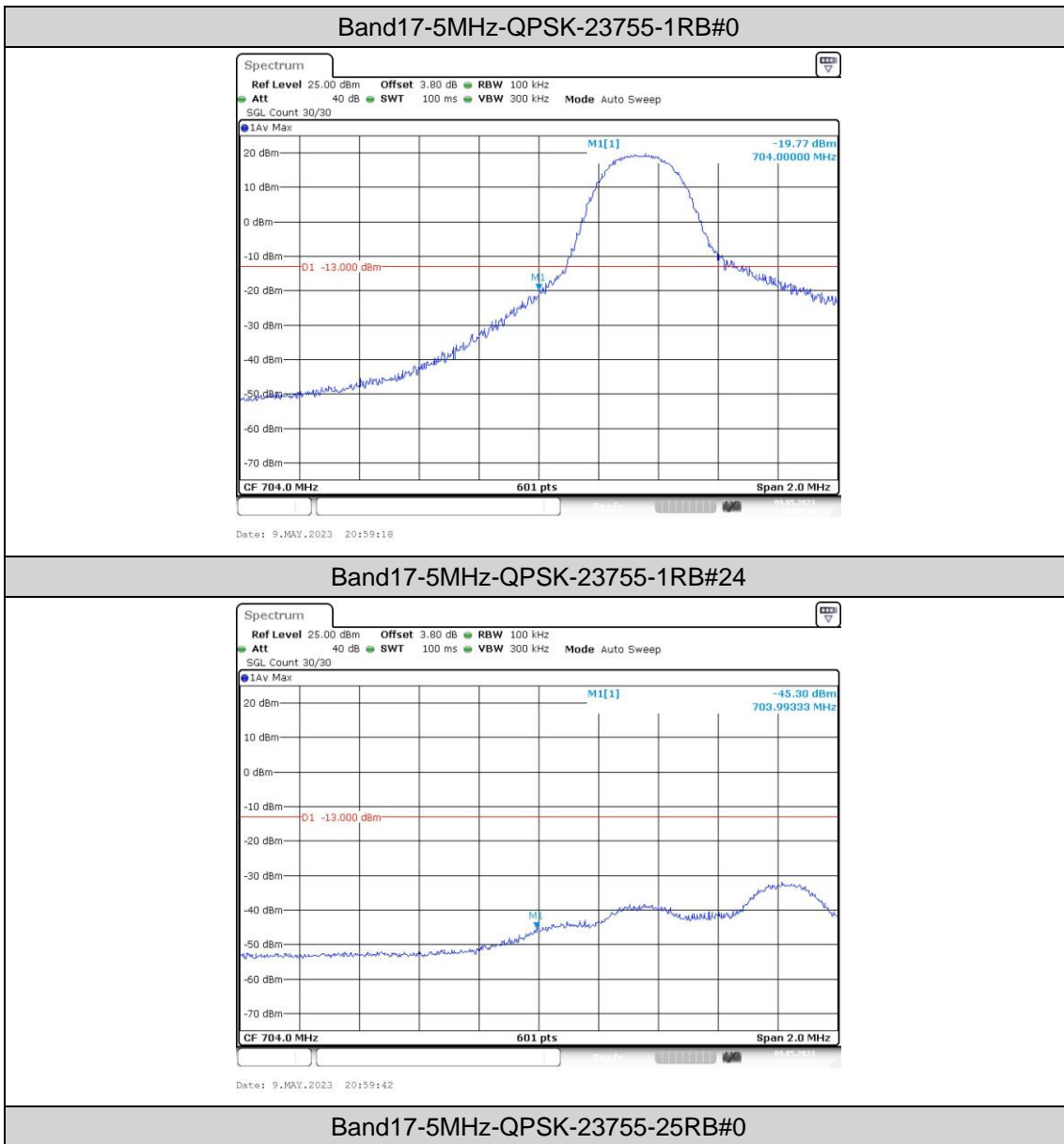


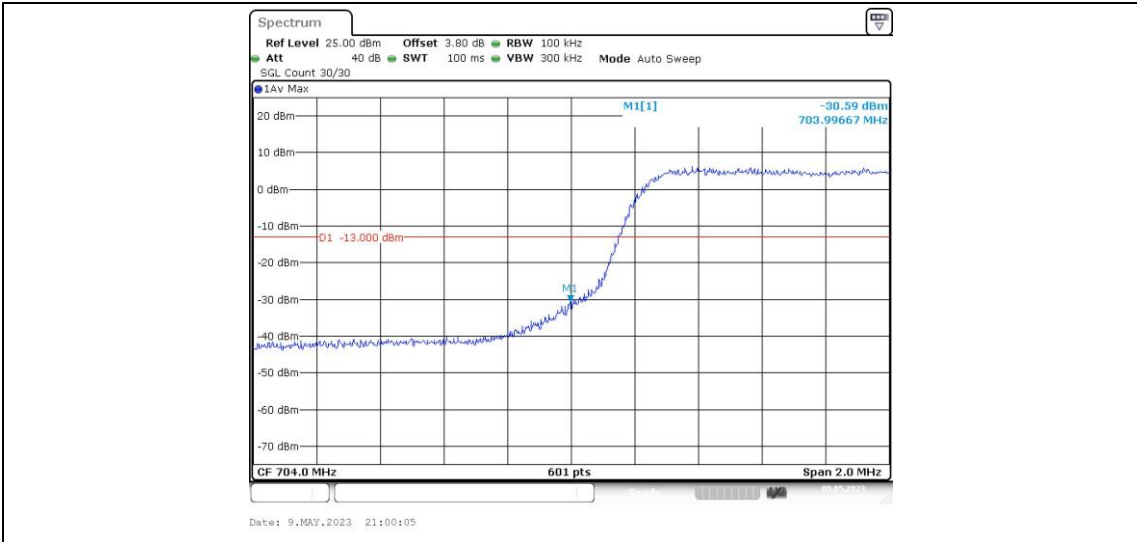
Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	-19.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	-45.30	PASS
Band17	5MHz	QPSK	23755	25RB#0	-30.59	PASS
Band17	5MHz	QPSK	23825	1RB#0	-46.45	PASS
Band17	5MHz	QPSK	23825	1RB#24	-19.18	PASS
Band17	5MHz	QPSK	23825	25RB#0	-31.96	PASS
Band17	5MHz	16QAM	23755	1RB#0	-20.71	PASS
Band17	5MHz	16QAM	23755	1RB#24	-45.92	PASS
Band17	5MHz	16QAM	23755	25RB#0	-32.18	PASS
Band17	5MHz	16QAM	23825	1RB#0	-47.71	PASS
Band17	5MHz	16QAM	23825	1RB#24	-20.87	PASS
Band17	5MHz	16QAM	23825	25RB#0	-34.09	PASS
Band17	10MHz	QPSK	23780	1RB#0	-30.17,-26.65	PASS
Band17	10MHz	QPSK	23780	1RB#49	-48.84,-48.66	PASS
Band17	10MHz	QPSK	23780	50RB#0	-38.24,-36.76	PASS
Band17	10MHz	QPSK	23800	1RB#0	-49.29,-49.57	PASS
Band17	10MHz	QPSK	23800	1RB#49	-26.53,-29.72	PASS
Band17	10MHz	QPSK	23800	50RB#0	-36.48,-38.06	PASS
Band17	10MHz	16QAM	23780	1RB#0	-29.55,-25.86	PASS
Band17	10MHz	16QAM	23780	1RB#49	-49.23,-49.00	PASS
Band17	10MHz	16QAM	23780	50RB#0	-39.73,-38.20	PASS
Band17	10MHz	16QAM	23800	1RB#0	-49.38,-49.28	PASS
Band17	10MHz	16QAM	23800	1RB#49	-24.91,-28.51	PASS
Band17	10MHz	16QAM	23800	50RB#0	-36.62,-38.30	PASS

Test Graphs

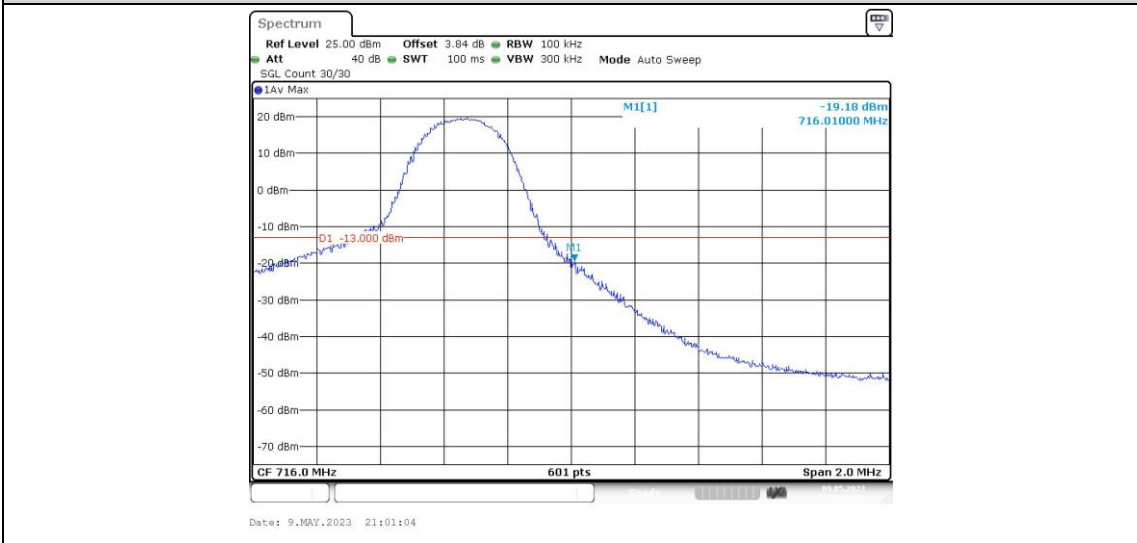




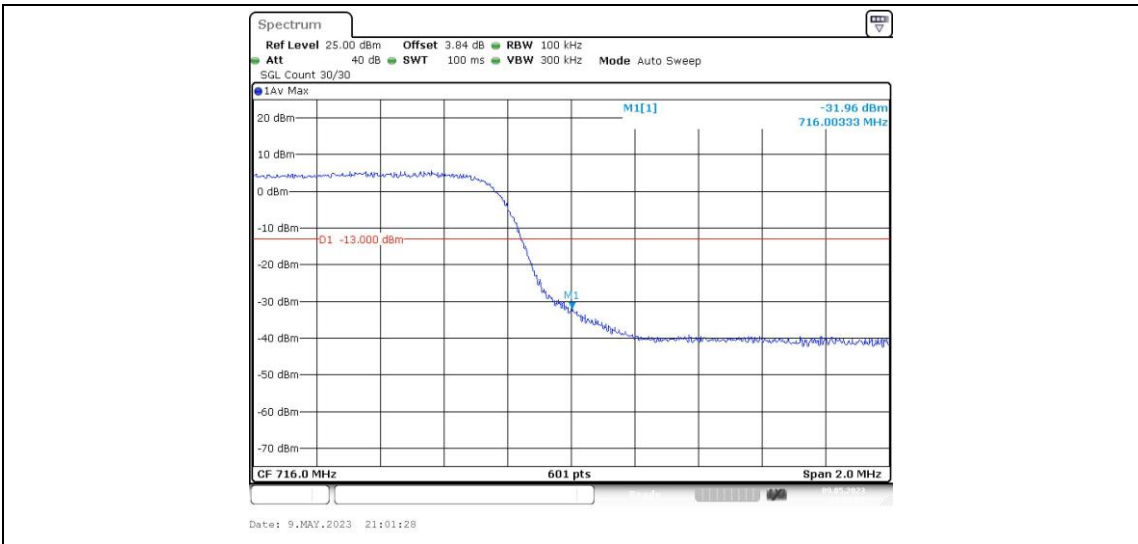
Band17-5MHz-QPSK-23825-1RB#0



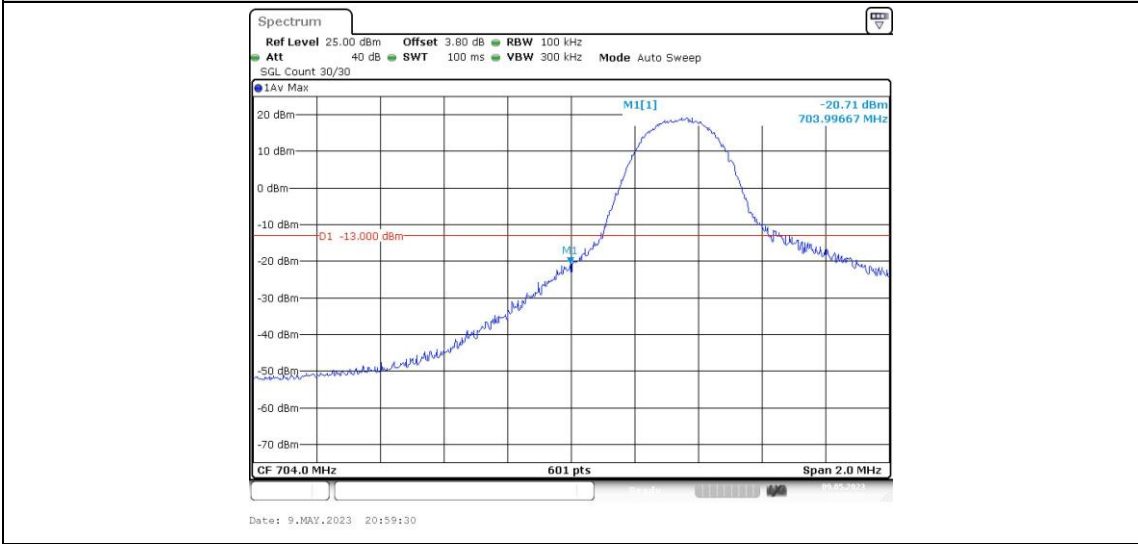
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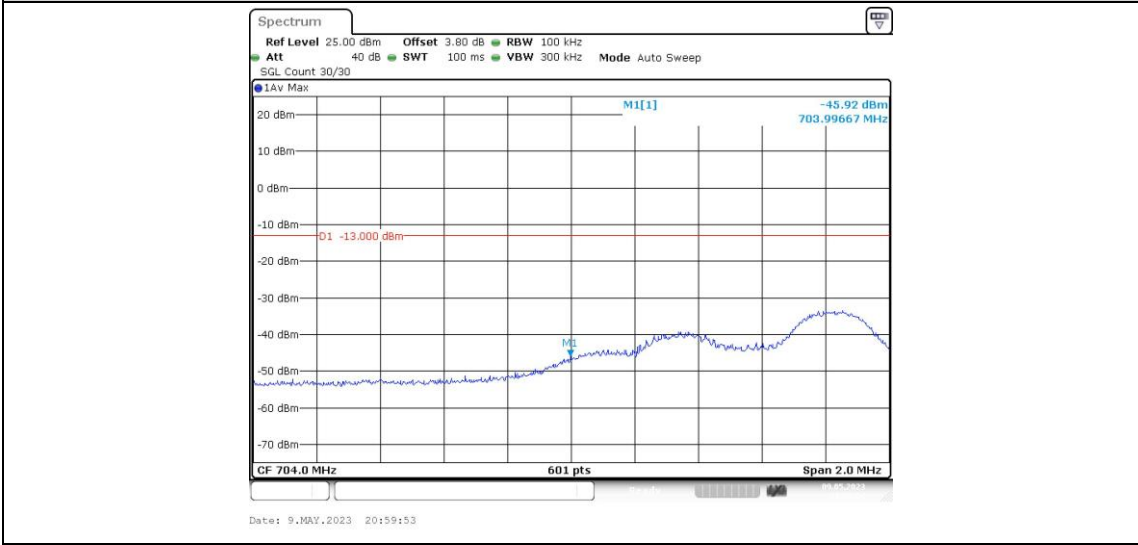
Band17-5MHz-QPSK-23825-25RB#0



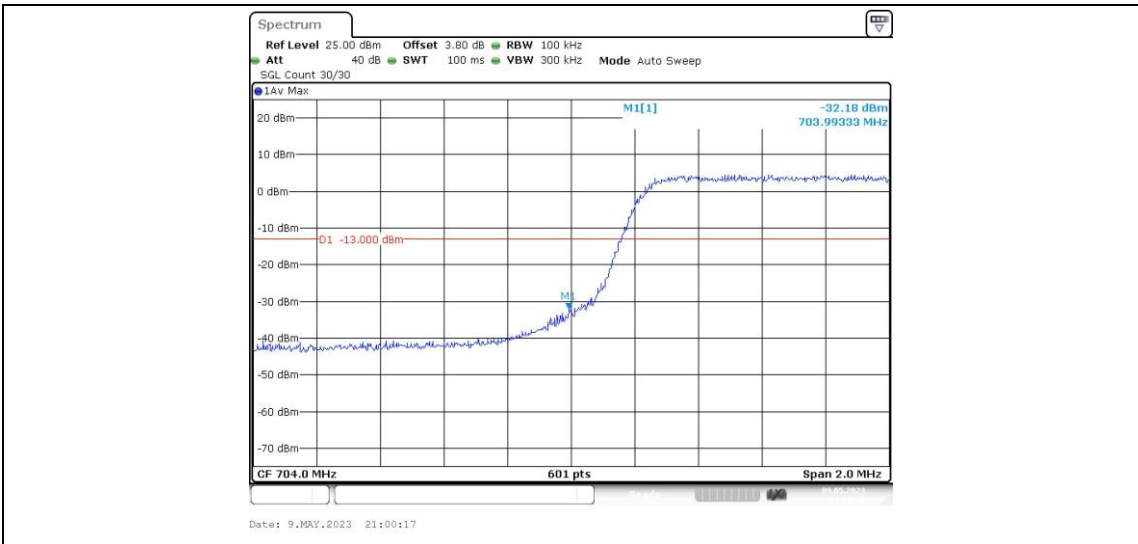
Band17-5MHz-16QAM-23755-1RB#0



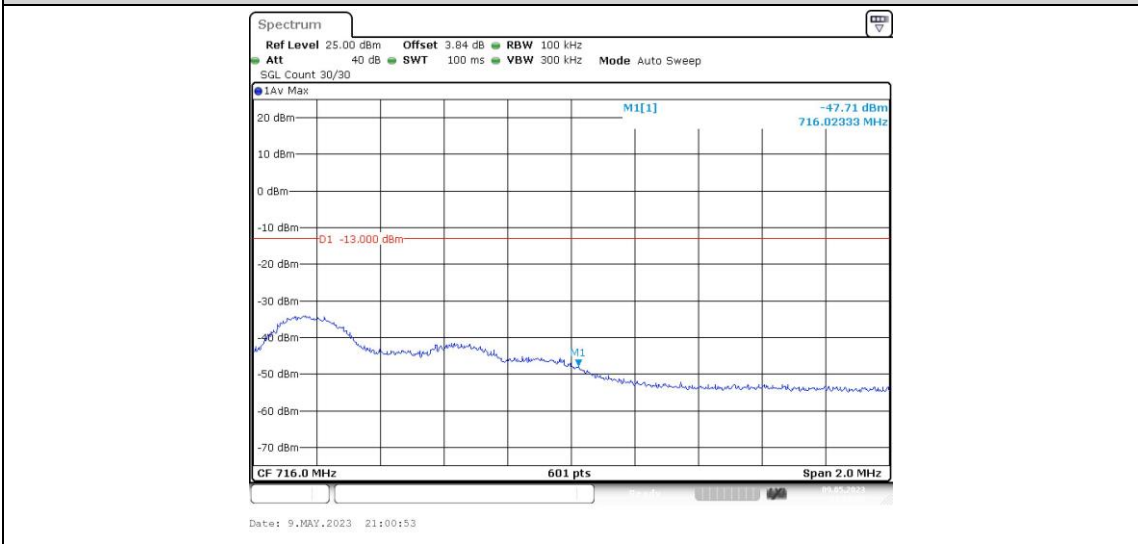
Band17-5MHz-16QAM-23755-1RB#24



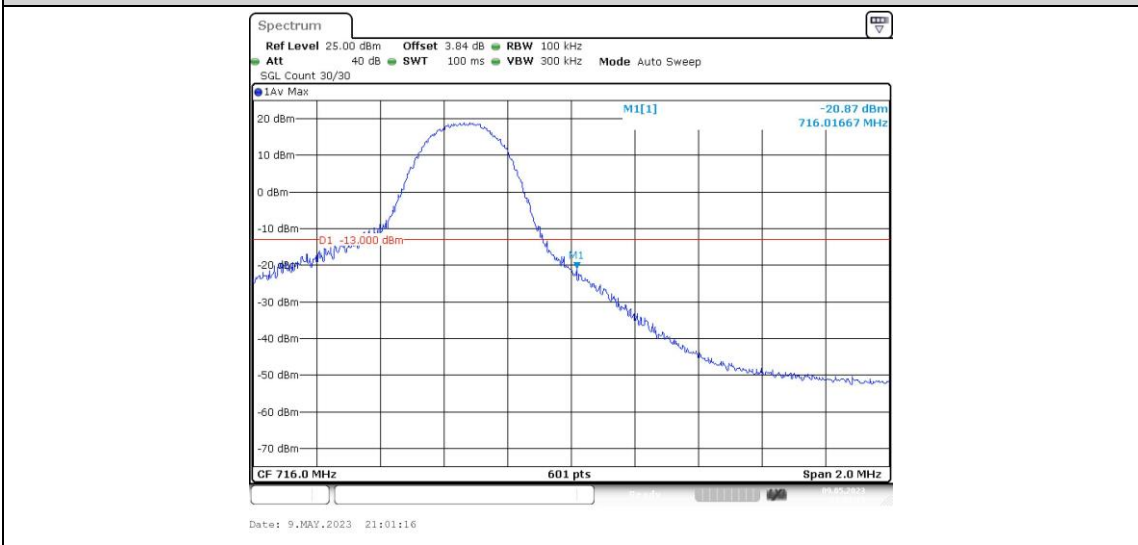
Band17-5MHz-16QAM-23755-25RB#0



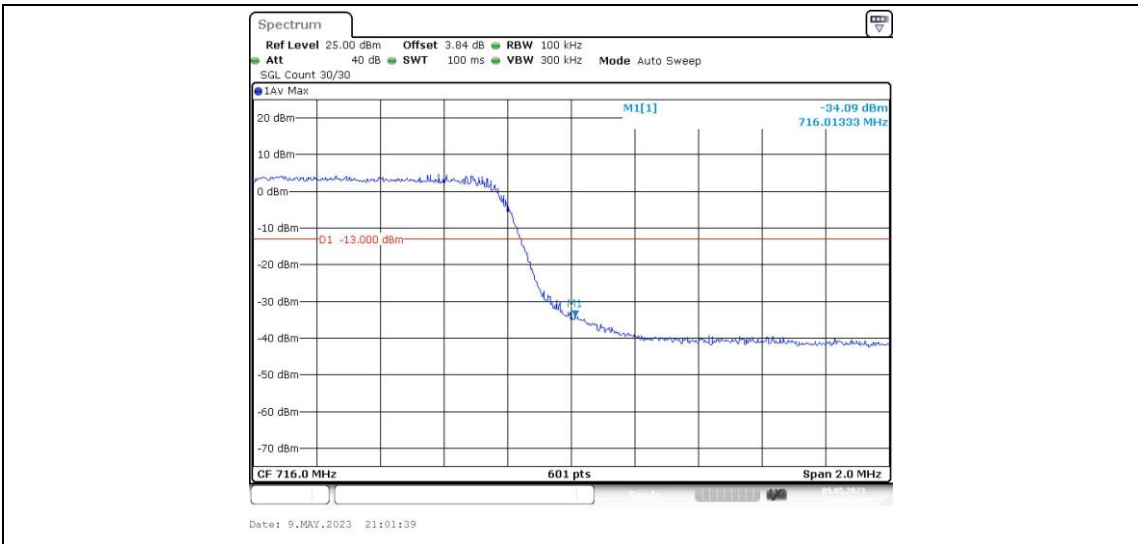
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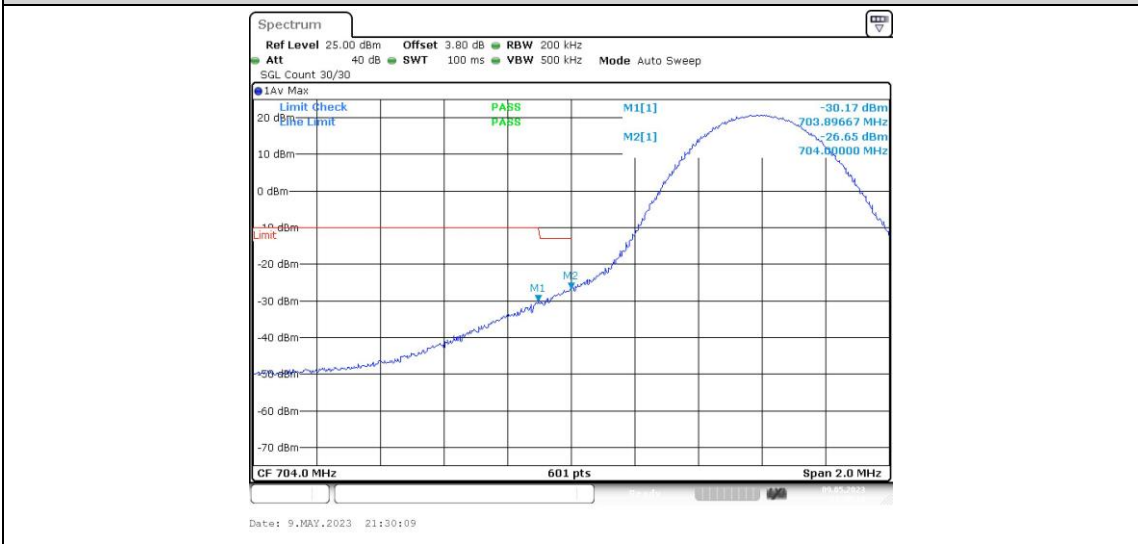
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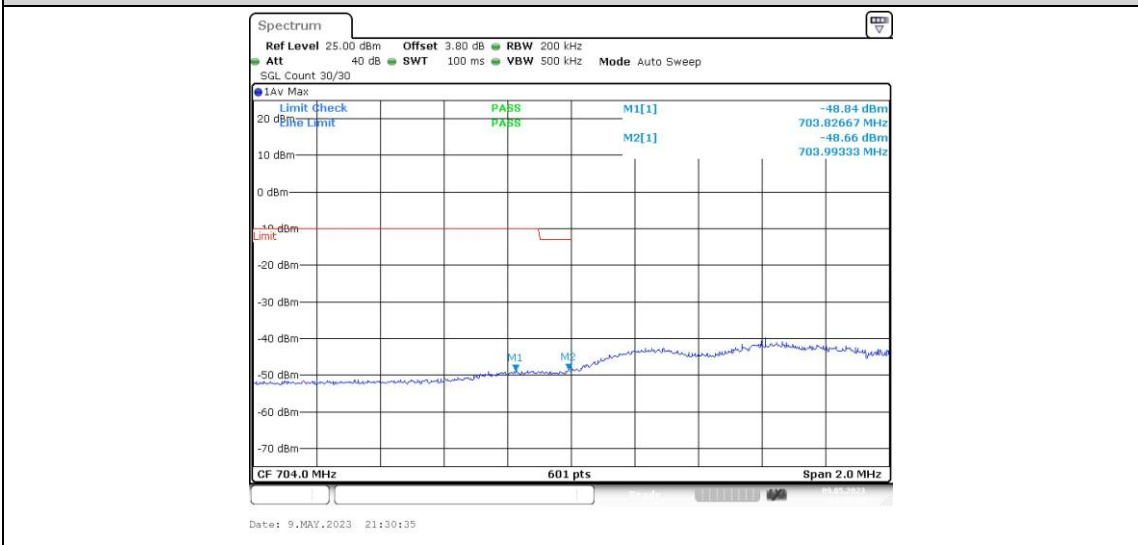
Band17-5MHz-16QAM-23825-25RB#0



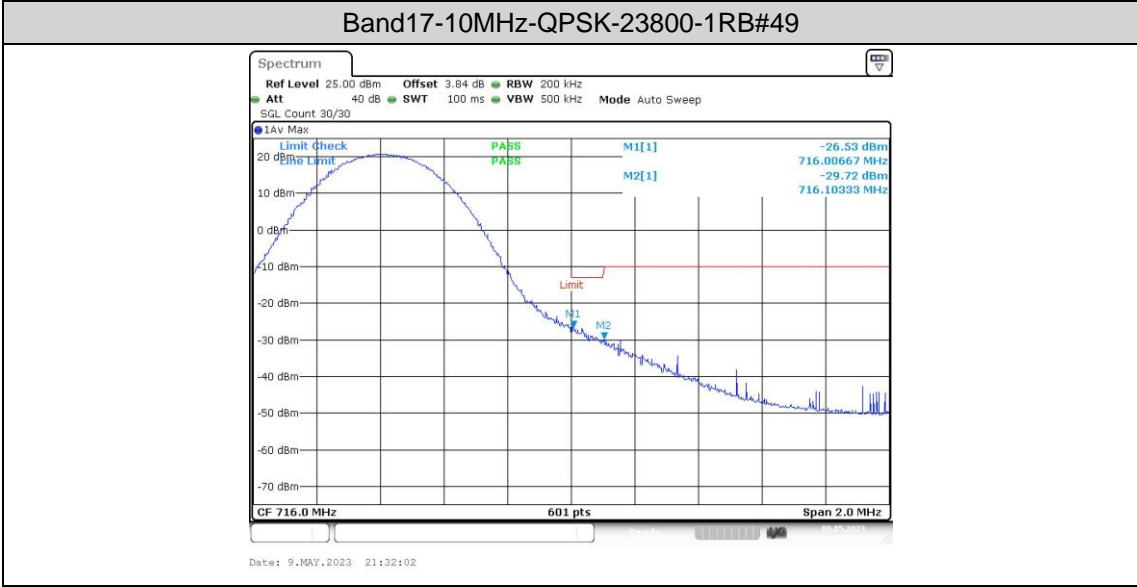
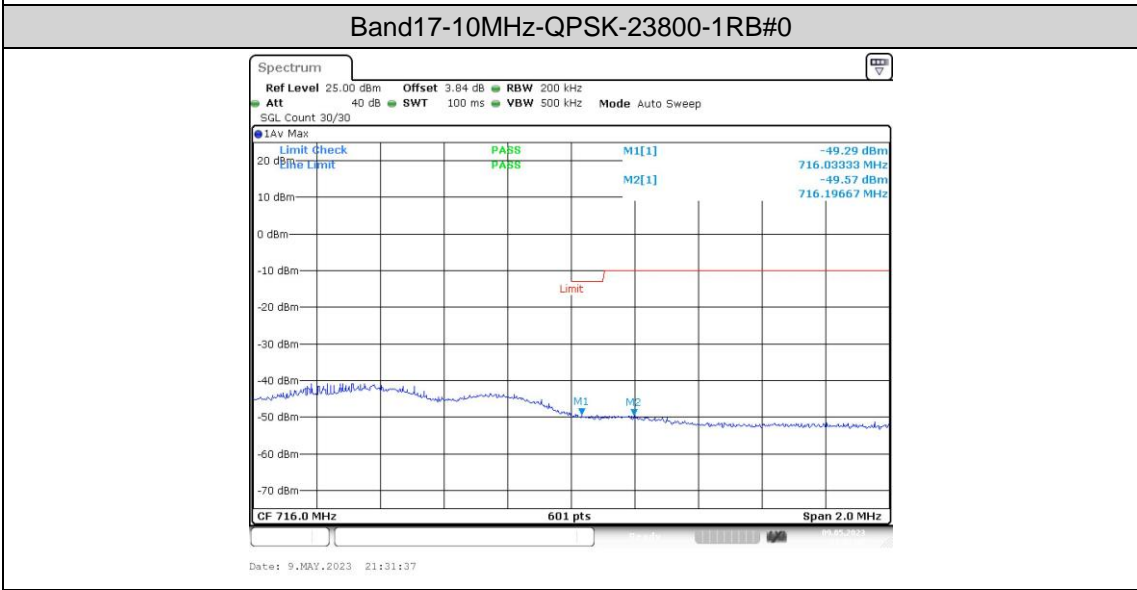
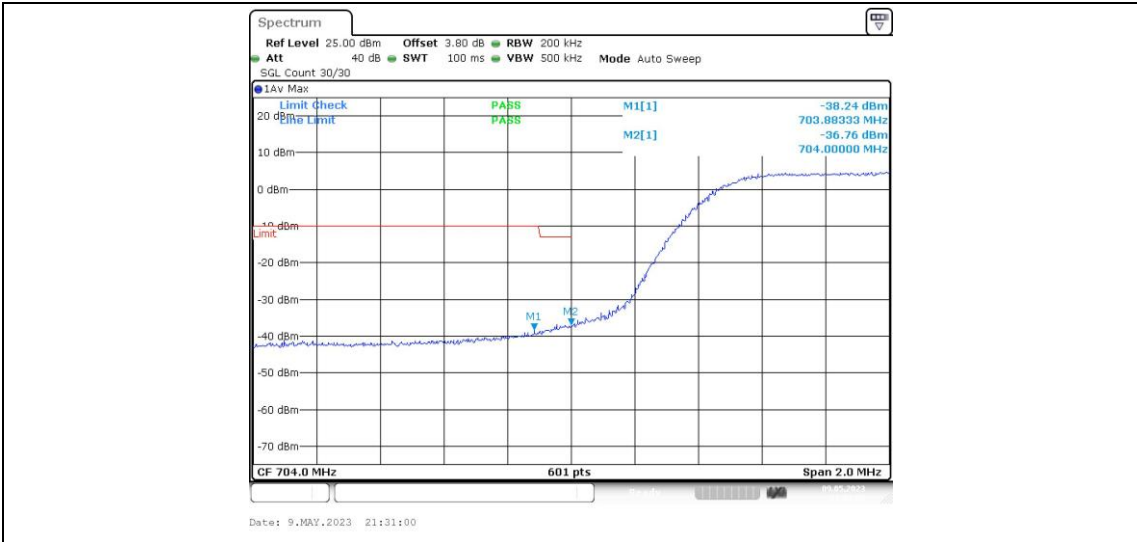
Band17-10MHz-QPSK-23780-1RB#0

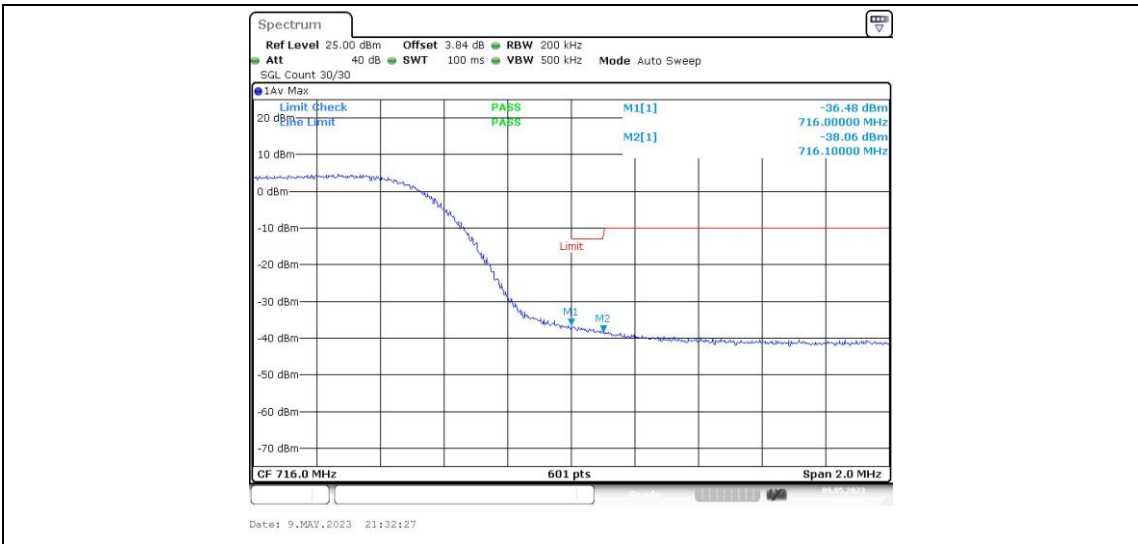


Band17-10MHz-QPSK-23780-1RB#49

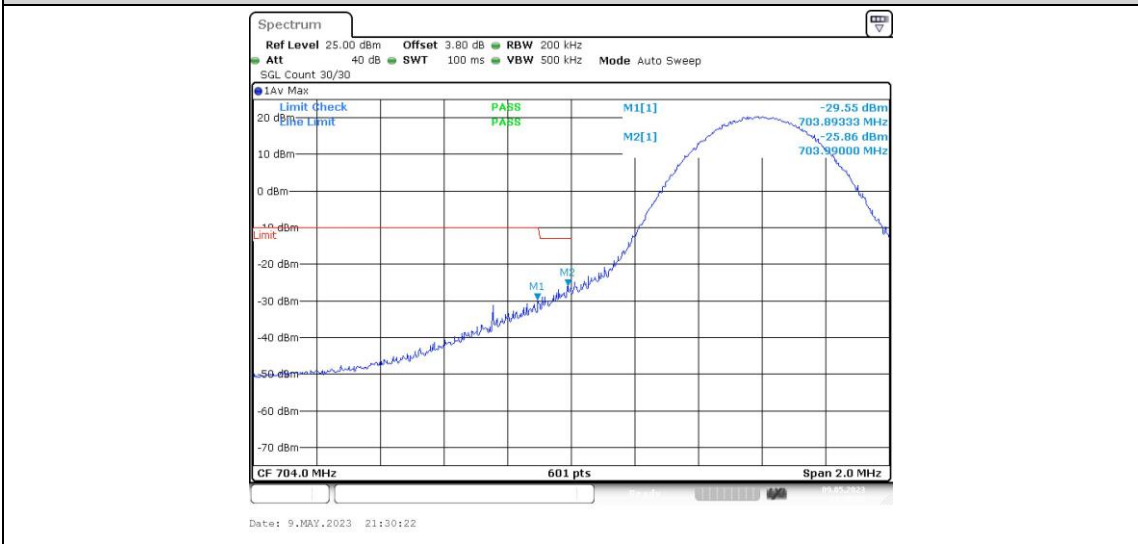


Band17-10MHz-QPSK-23780-50RB#0

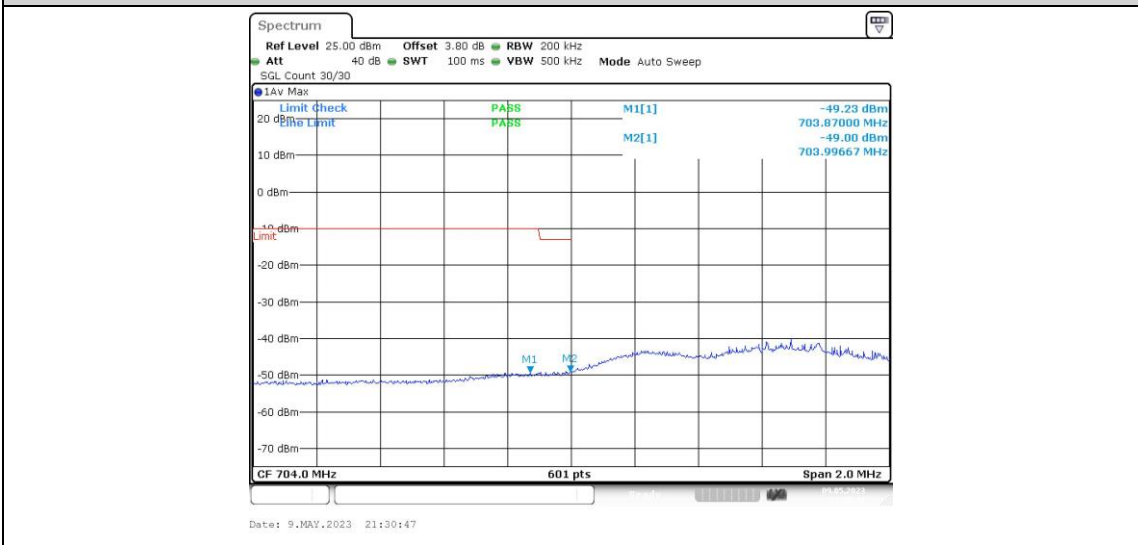




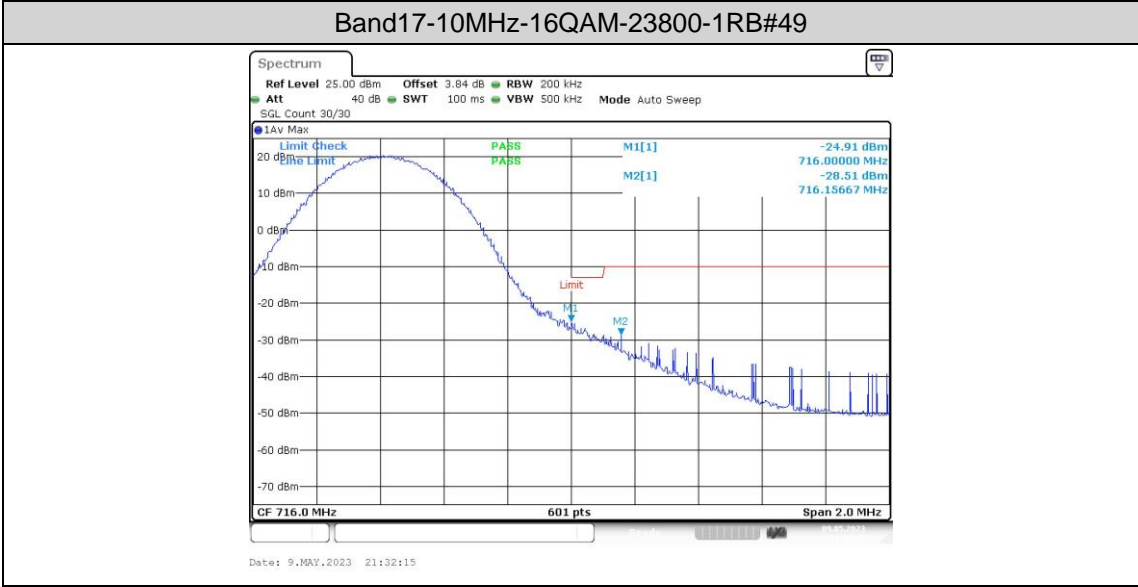
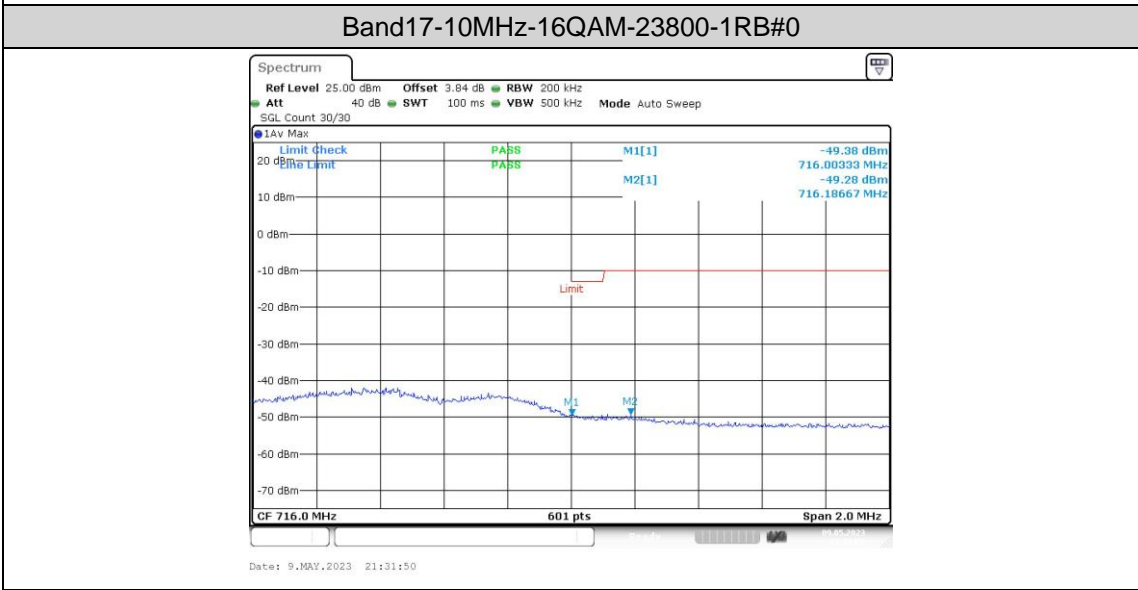
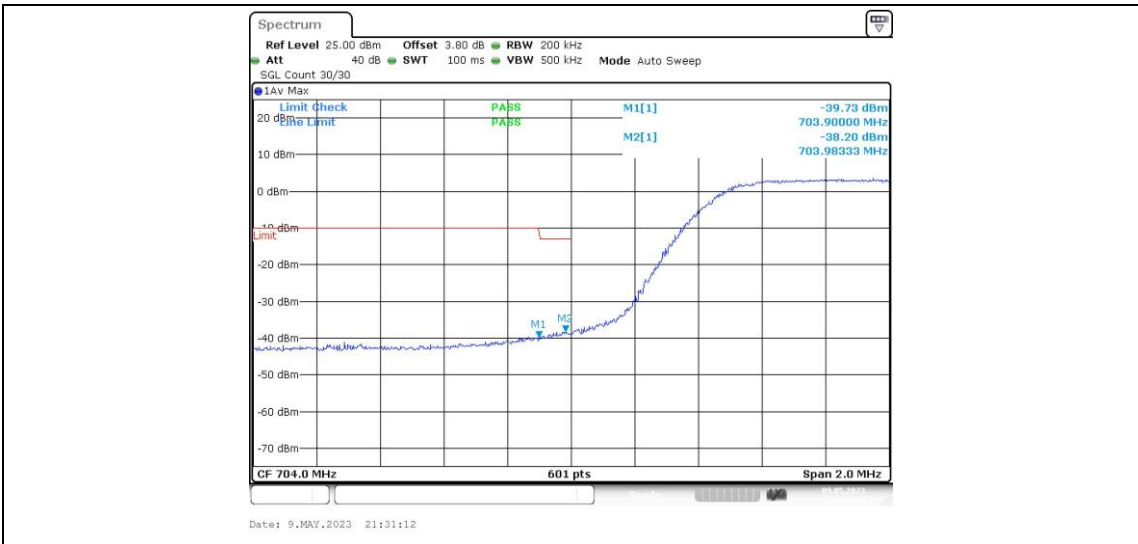
Band17-10MHz-16QAM-23780-1RB#0



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



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





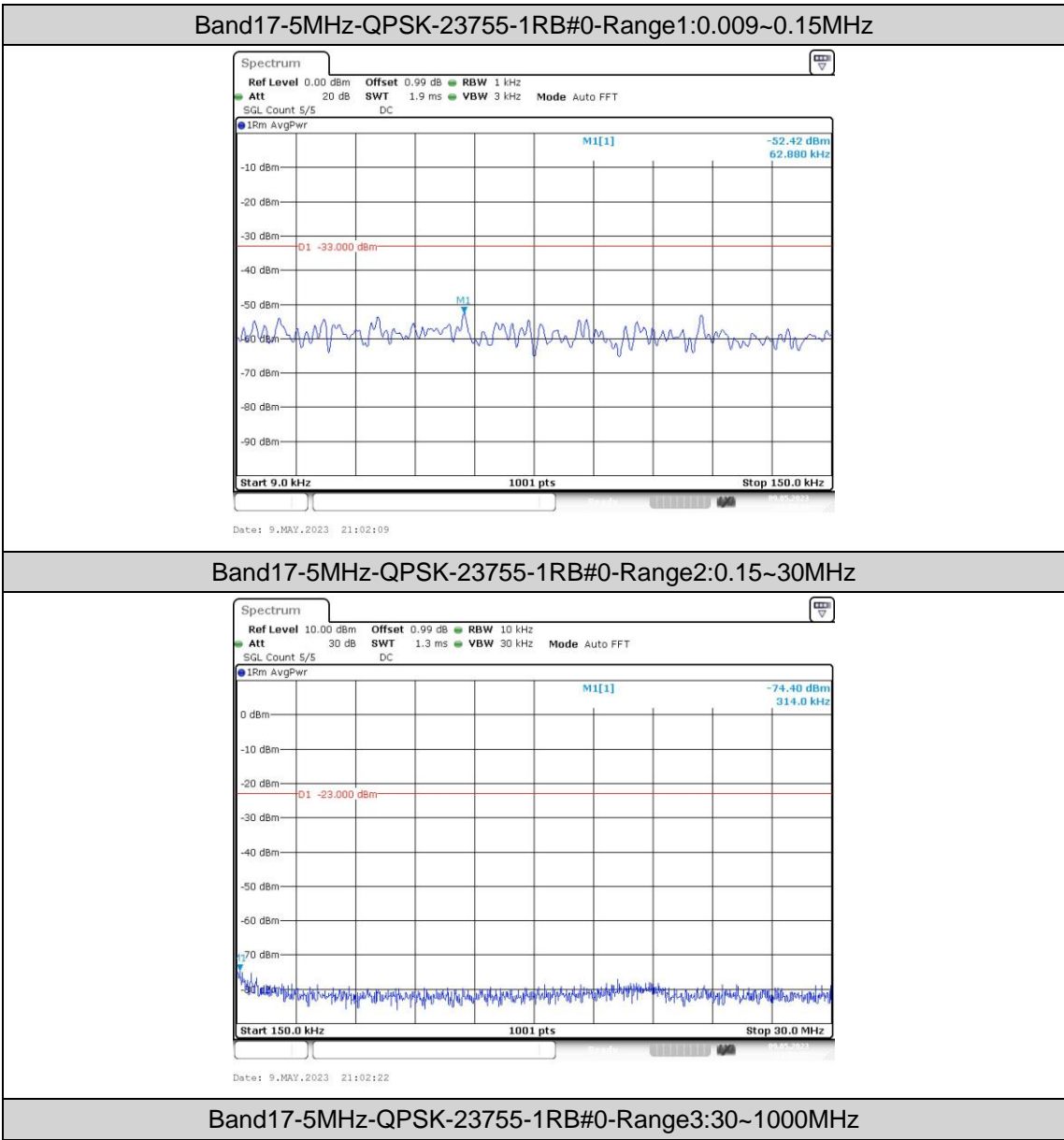
Appendix E: Conducted Spurious Emission

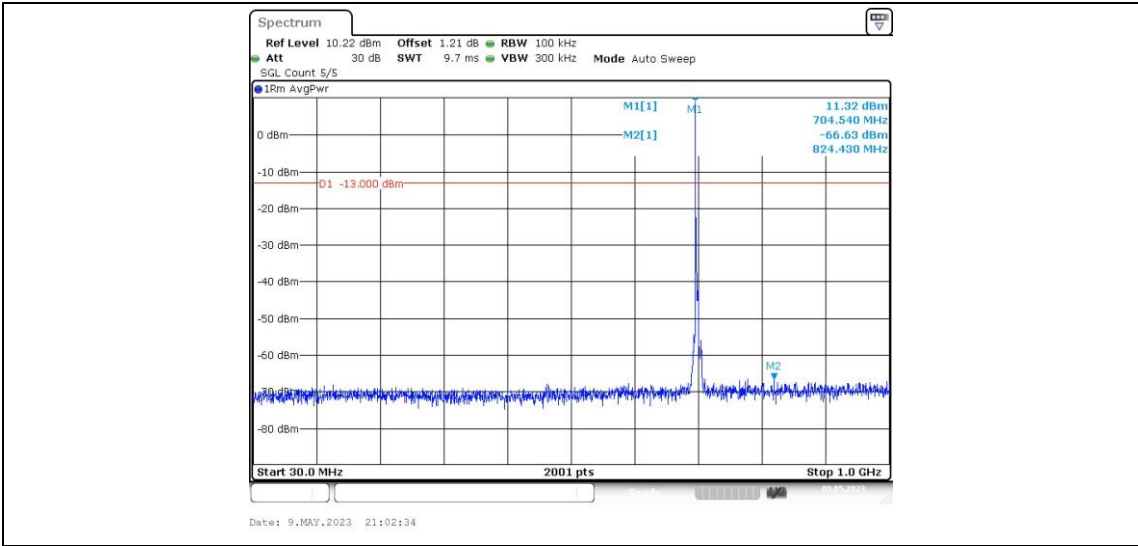
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Verdict
Band17	5MHz	QPSK	23755	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:0.15~30MHz	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range3:30~1000MHz	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range4:1000~10000MHz	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range2:0.15~30MHz	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range3:30~1000MHz	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range4:1000~10000MHz	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range2:0.15~30MHz	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range3:30~1000MHz	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range4:1000~10000MHz	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range2:0.15~30MHz	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range3:30~1000MHz	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range4:1000~10000MHz	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range2:0.15~30MHz	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range3:30~1000MHz	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range4:1000~10000MHz	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range2:0.15~30MHz	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range3:30~1000MHz	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range4:1000~10000MHz	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range2:0.15~30MHz	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range3:30~1000MHz	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range4:1000~10000MHz	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range2:0.15~30MHz	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range3:30~1000MHz	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range4:1000~10000MHz	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range2:0.15~30MHz	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range3:30~1000MHz	PASS

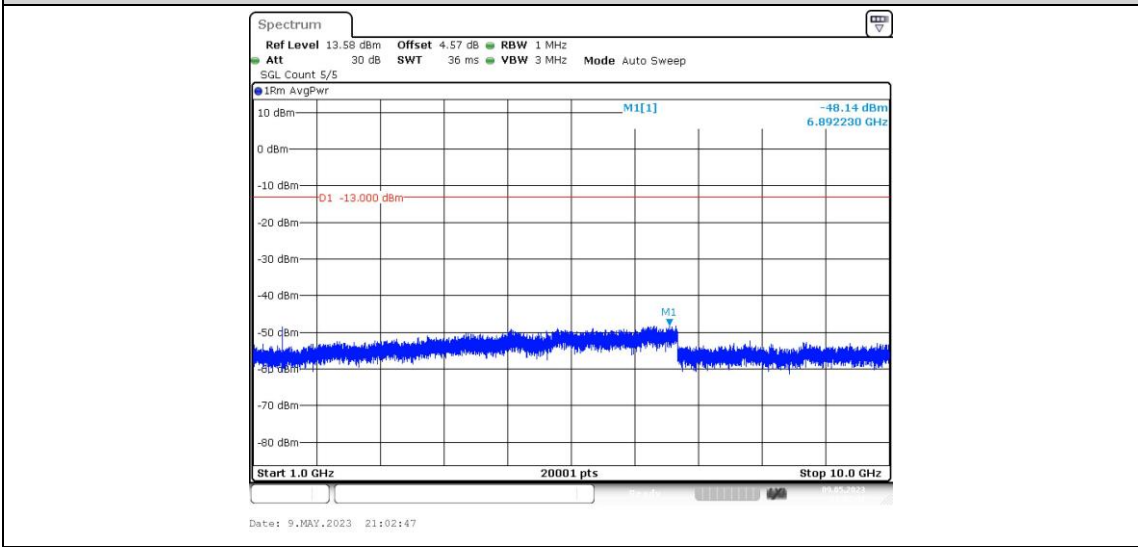
Band17	10MHz	QPSK	23800	1RB#0	Range4:1000~10000MHz	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range2:0.15~30MHz	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range3:30~1000MHz	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range4:1000~10000MHz	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range2:0.15~30MHz	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range3:30~1000MHz	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range4:1000~10000MHz	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range2:0.15~30MHz	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range3:30~1000MHz	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range4:1000~10000MHz	PASS

Test Graphs

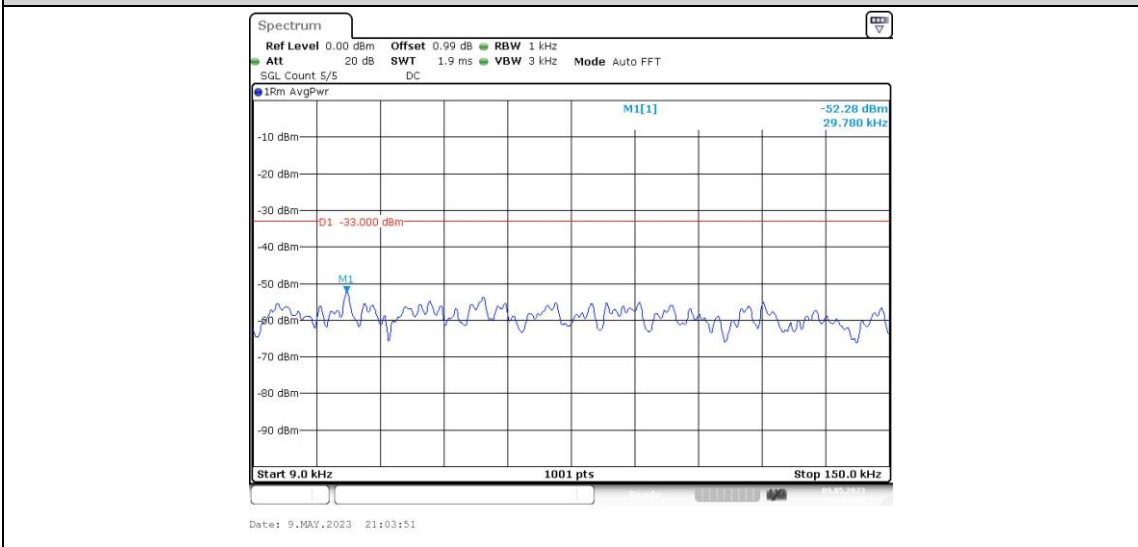




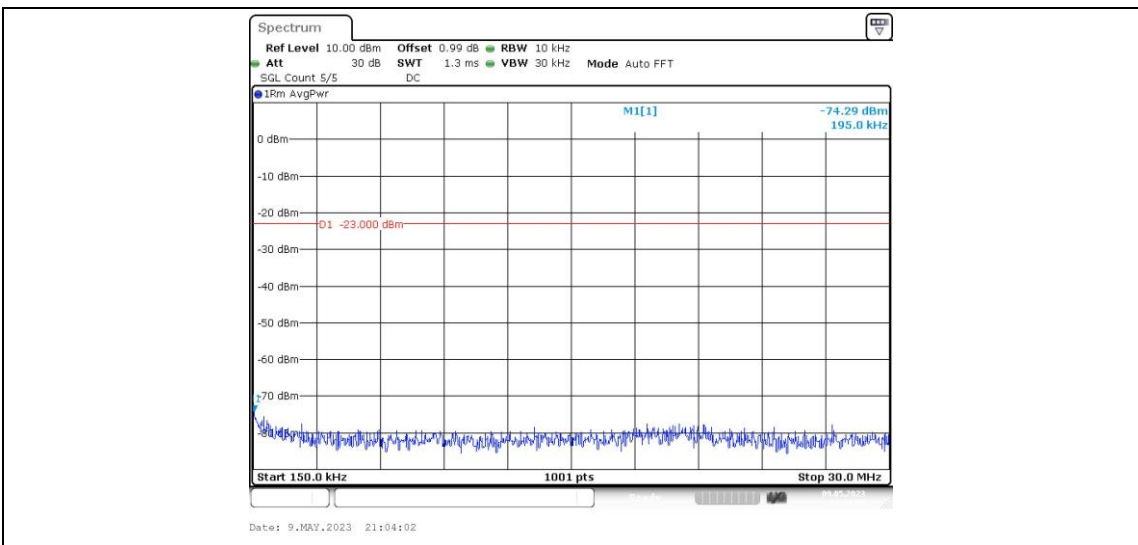
Band17-5MHz-QPSK-23755-1RB#0-Range4:1000~10000MHz



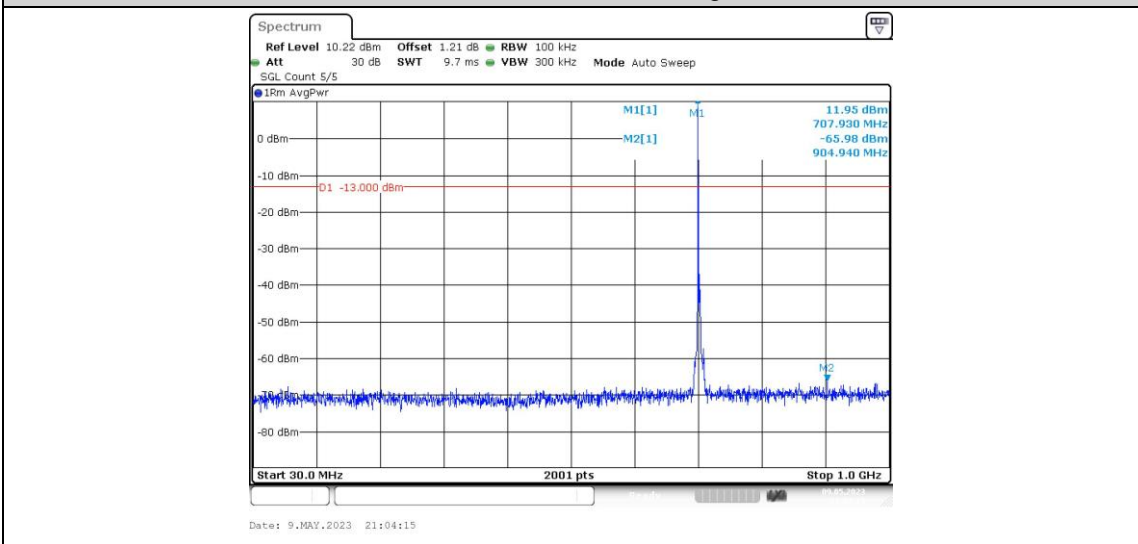
Band17-5MHz-QPSK-23790-1RB#0-Range1:0.009~0.15MHz



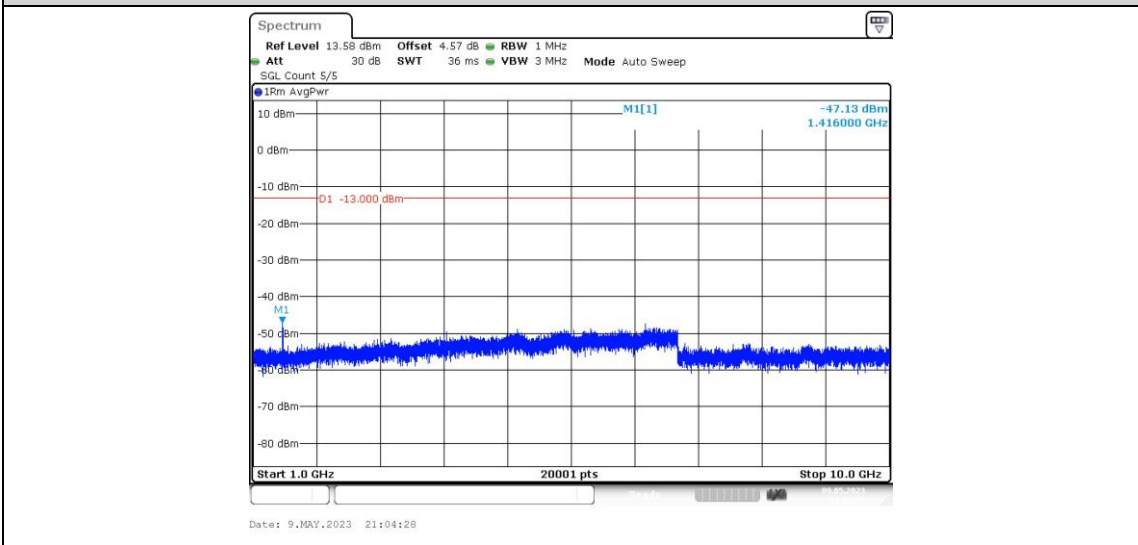
Band17-5MHz-QPSK-23790-1RB#0-Range2:0.15~30MHz



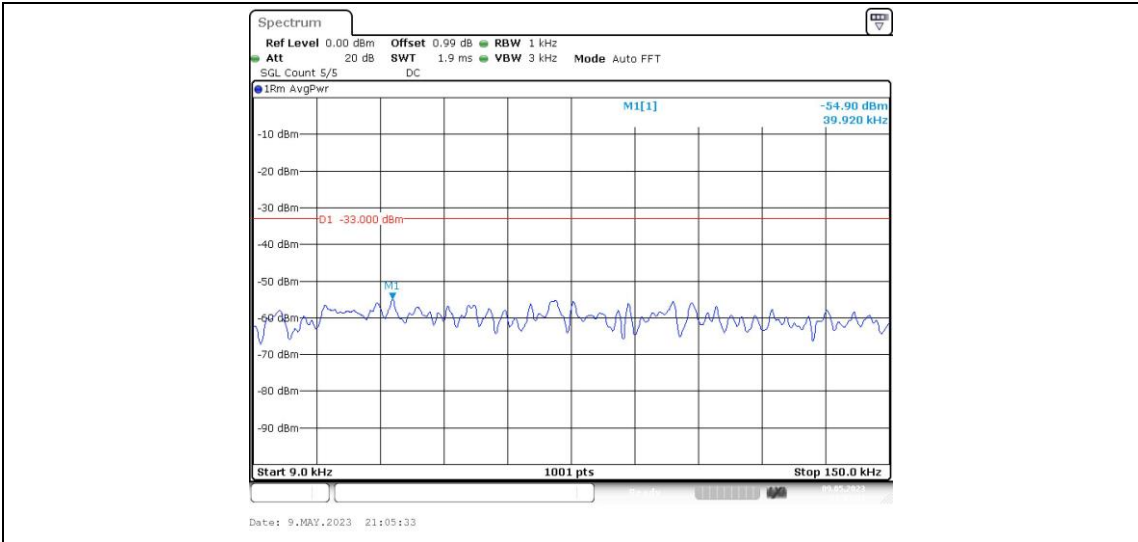
Band17-5MHz-QPSK-23790-1RB#0-Range3:30~1000MHz



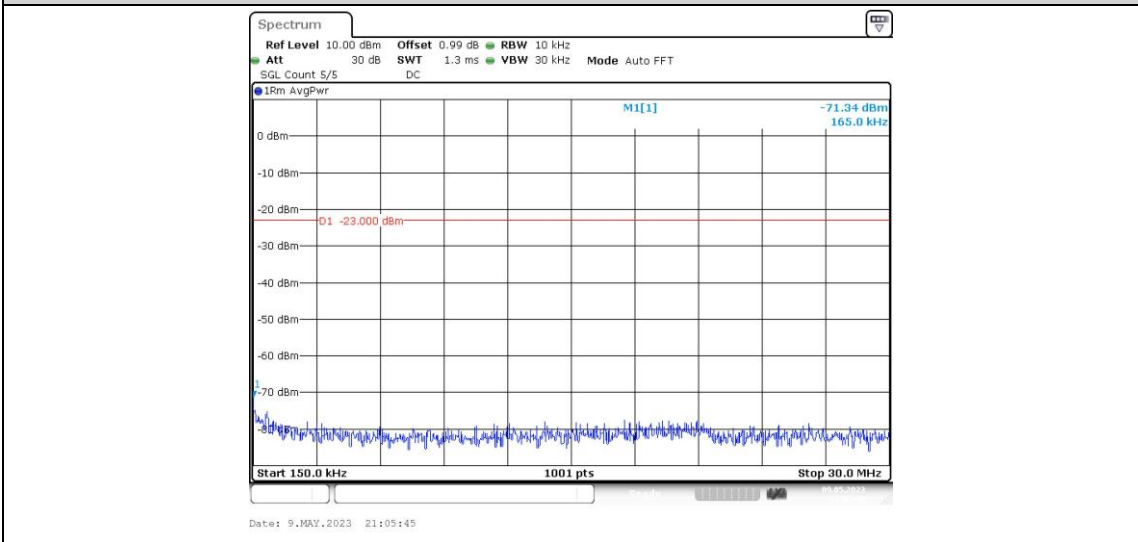
Band17-5MHz-QPSK-23790-1RB#0-Range4:1000~10000MHz



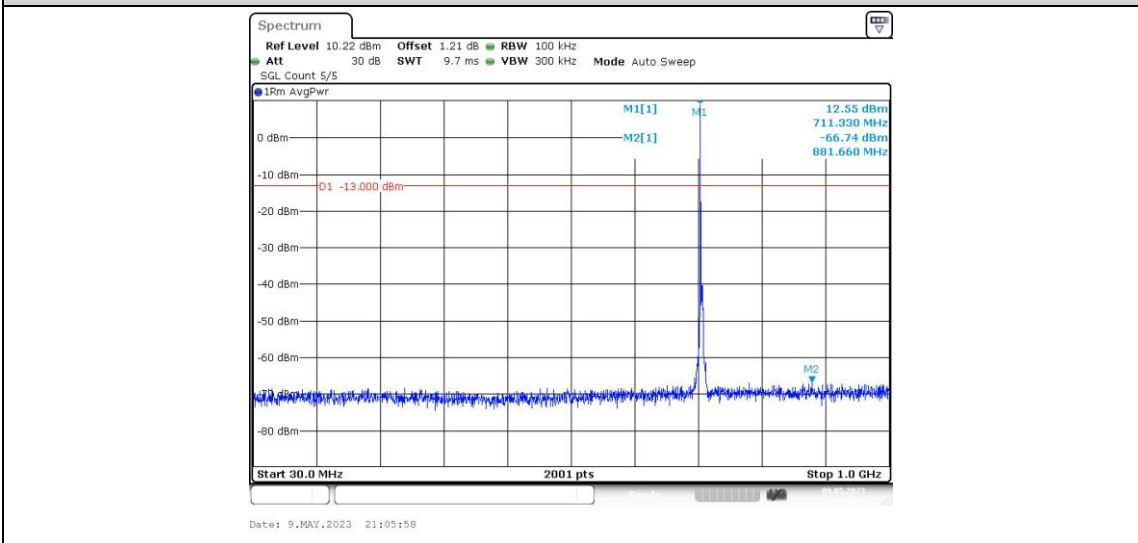
Band17-5MHz-QPSK-23825-1RB#0-Range1:0.009~0.15MHz



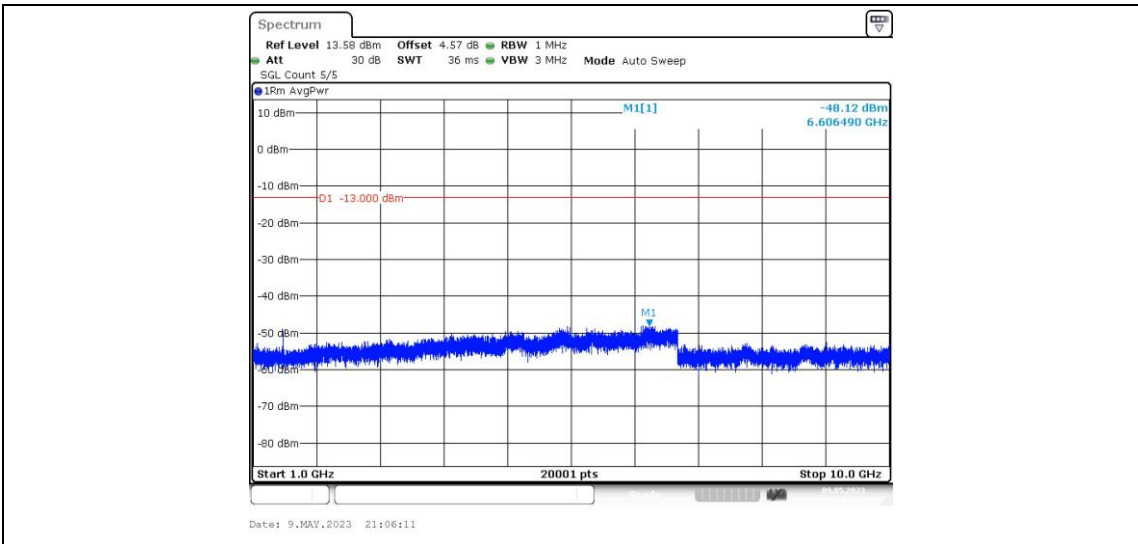
Band17-5MHz-QPSK-23825-1RB#0-Range2:0.15~30MHz



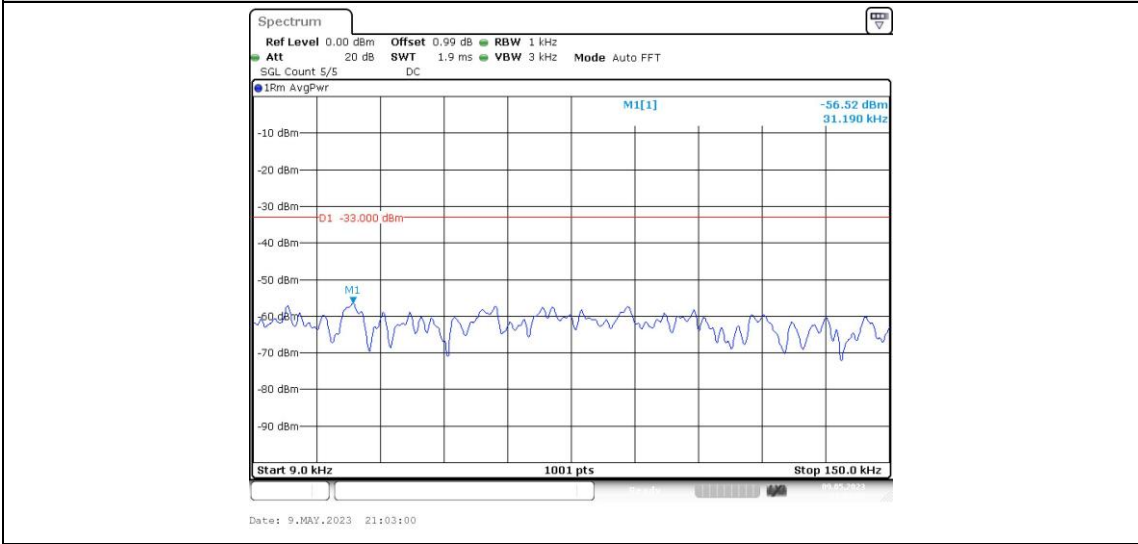
Band17-5MHz-QPSK-23825-1RB#0-Range3:30~1000MHz



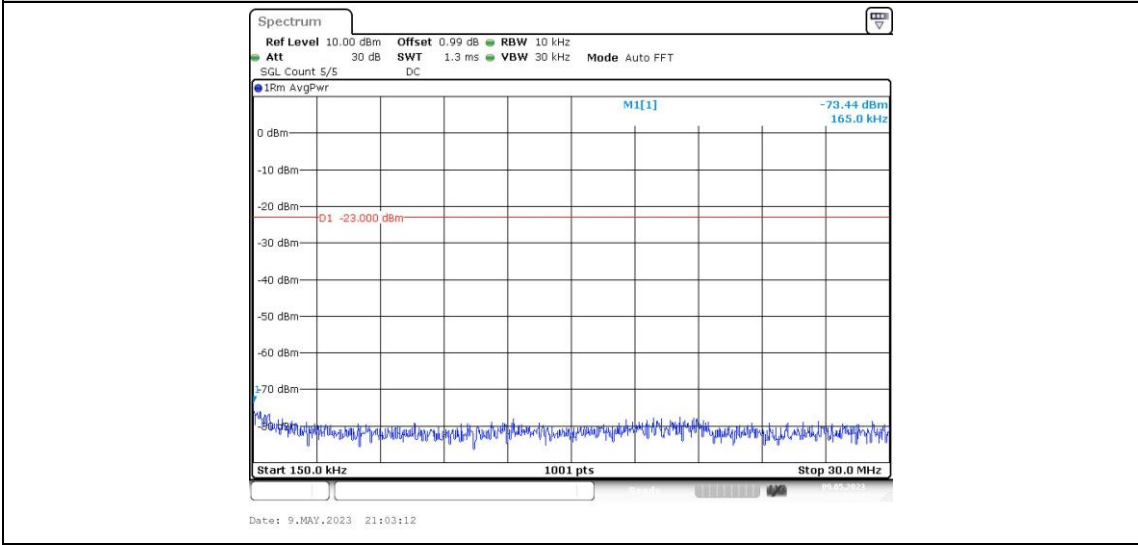
Band17-5MHz-QPSK-23825-1RB#0-Range4:1000~10000MHz



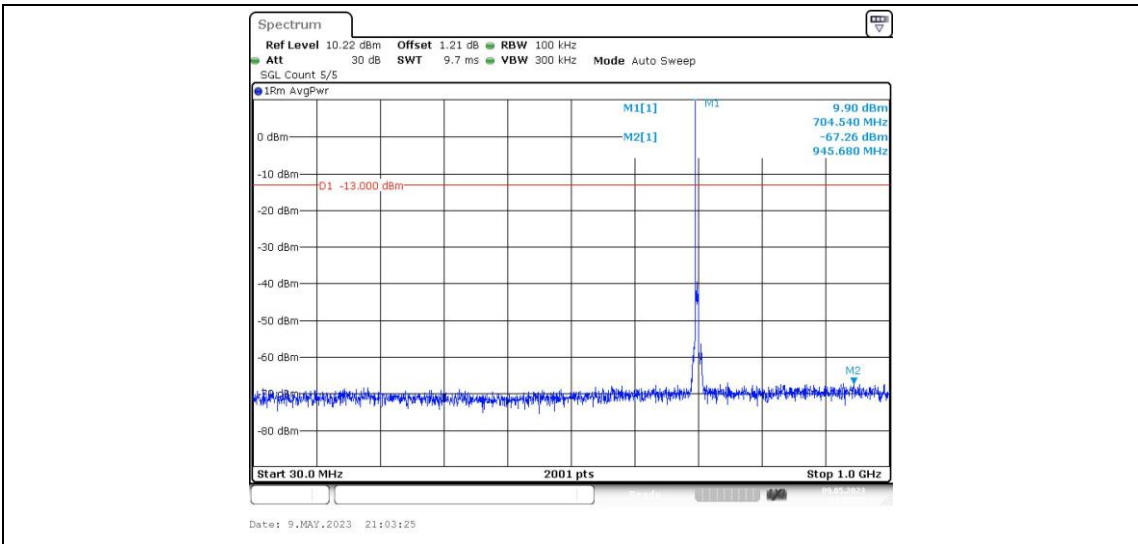
Band17-5MHz-16QAM-23755-1RB#0-Range1:0.009~0.15MHz



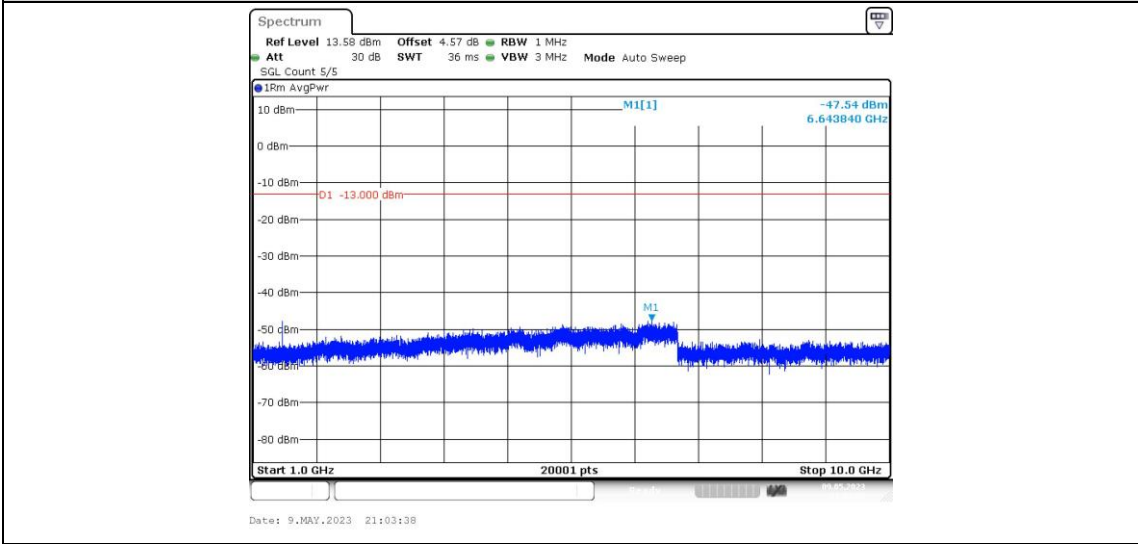
Band17-5MHz-16QAM-23755-1RB#0-Range2:0.15~30MHz



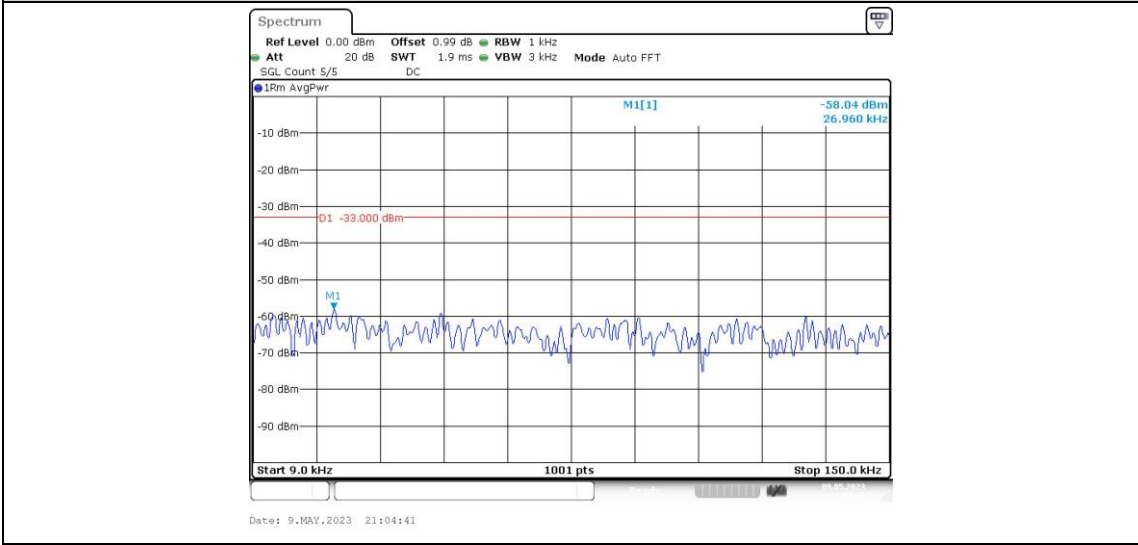
Band17-5MHz-16QAM-23755-1RB#0-Range3:30~1000MHz



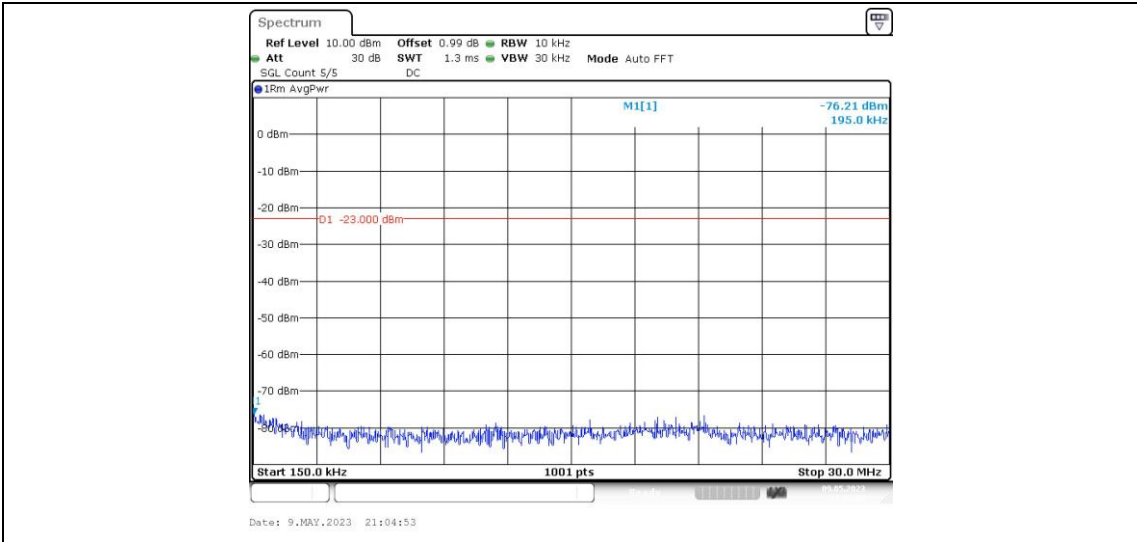
Band17-5MHz-16QAM-23755-1RB#0-Range4:1000~10000MHz



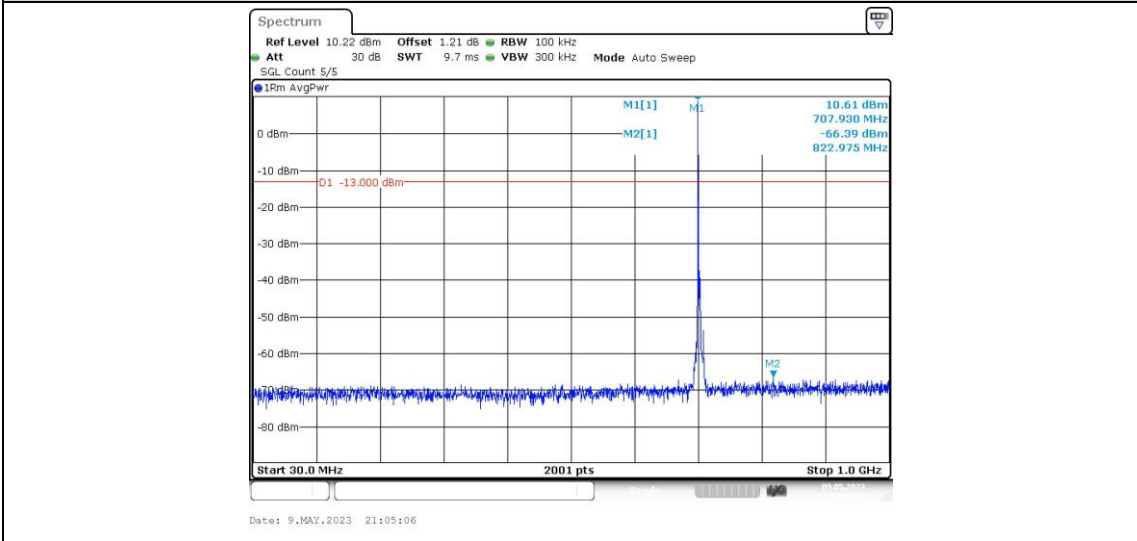
Band17-5MHz-16QAM-23790-1RB#0-Range1:0.009~0.15MHz



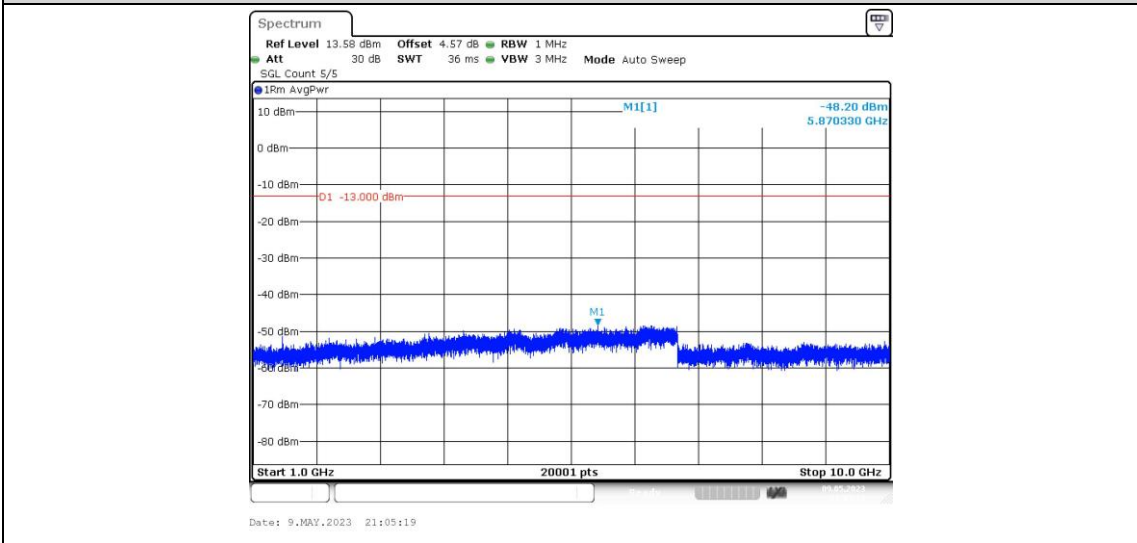
Band17-5MHz-16QAM-23790-1RB#0-Range2:0.15~30MHz



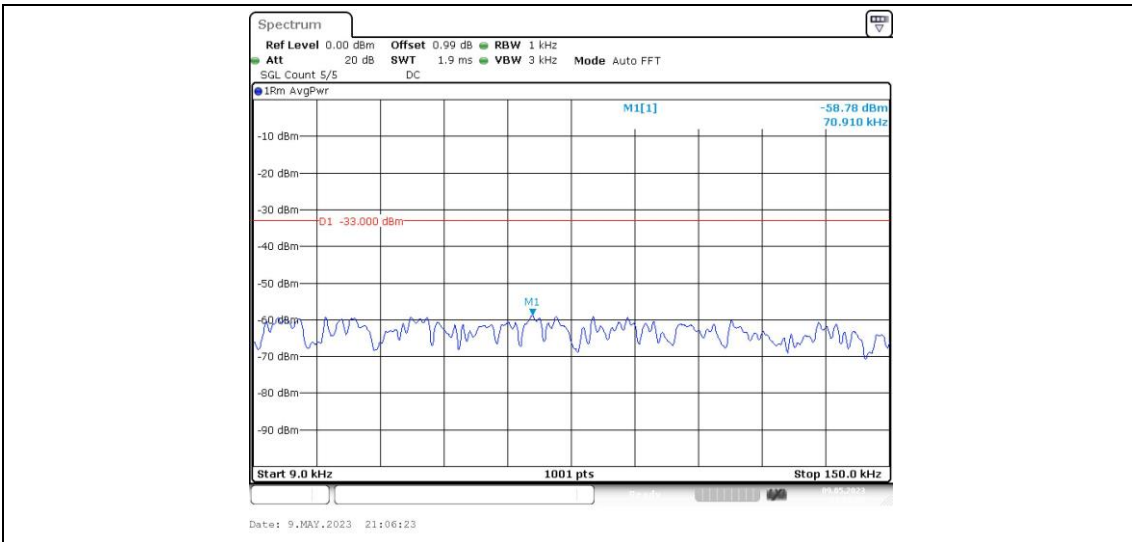
Band17-5MHz-16QAM-23790-1RB#0-Range3:30~1000MHz



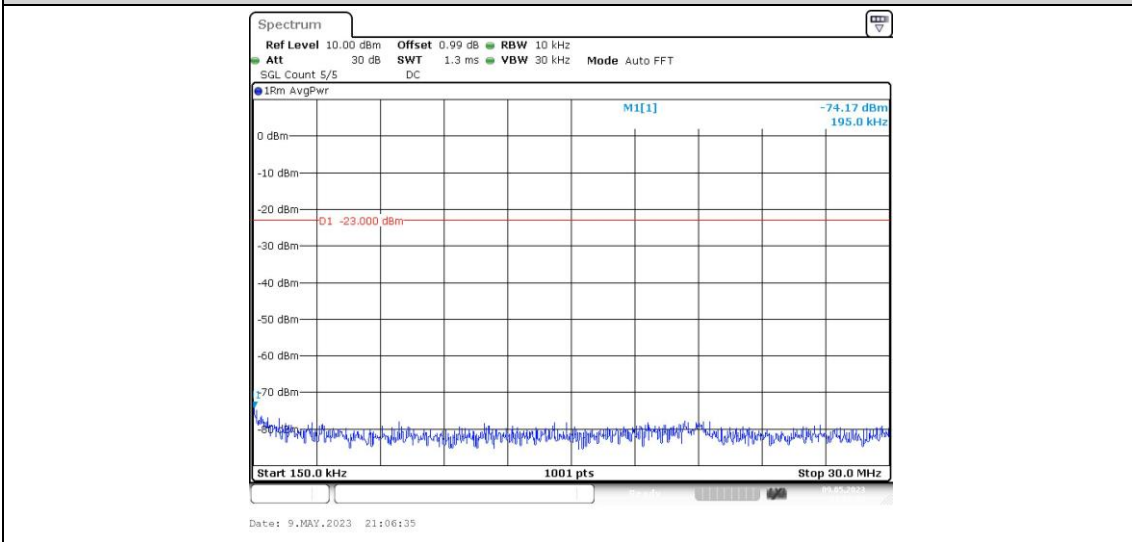
Band17-5MHz-16QAM-23790-1RB#0-Range4:1000~10000MHz



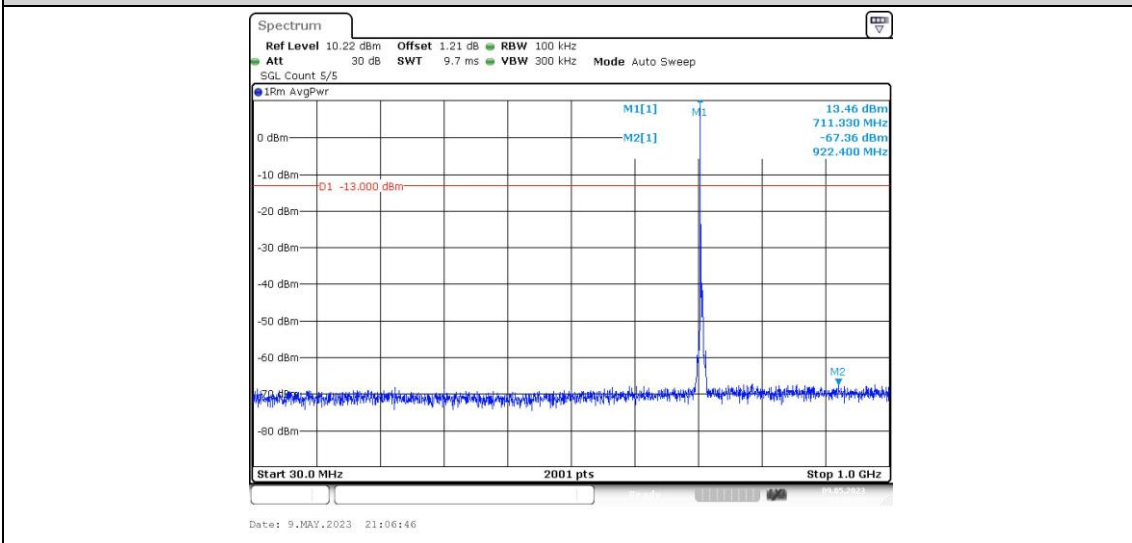
Band17-5MHz-16QAM-23825-1RB#0-Range1:0.009~0.15MHz



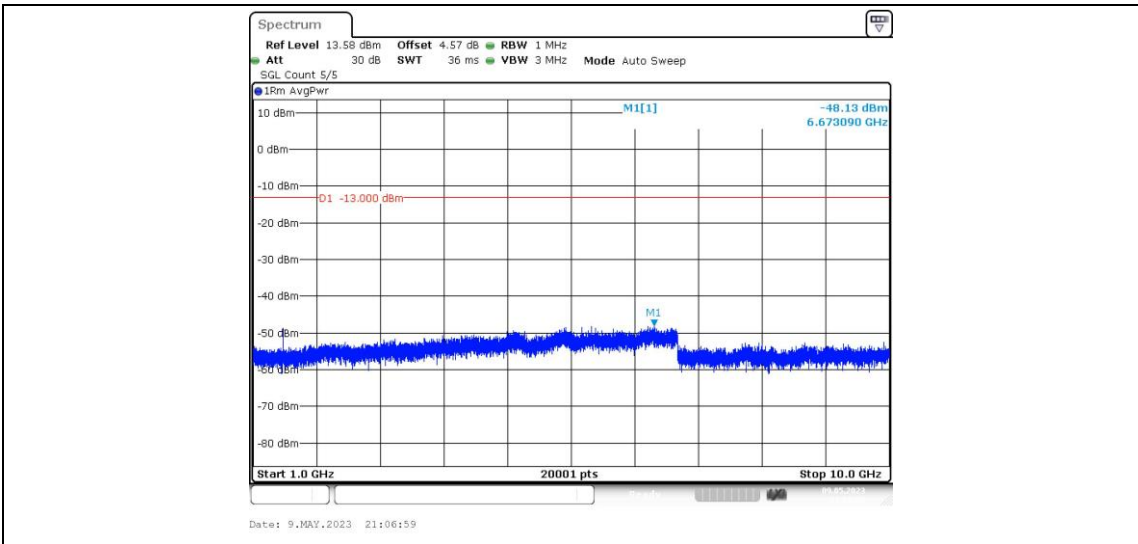
Band17-5MHz-16QAM-23825-1RB#0-Range2:0.15~30MHz



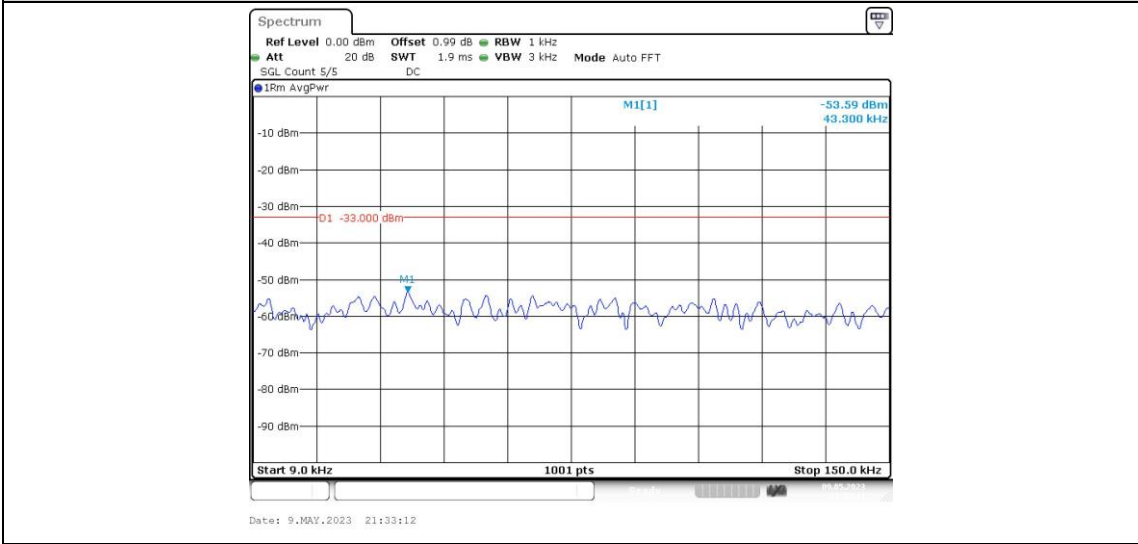
Band17-5MHz-16QAM-23825-1RB#0-Range3:30~1000MHz



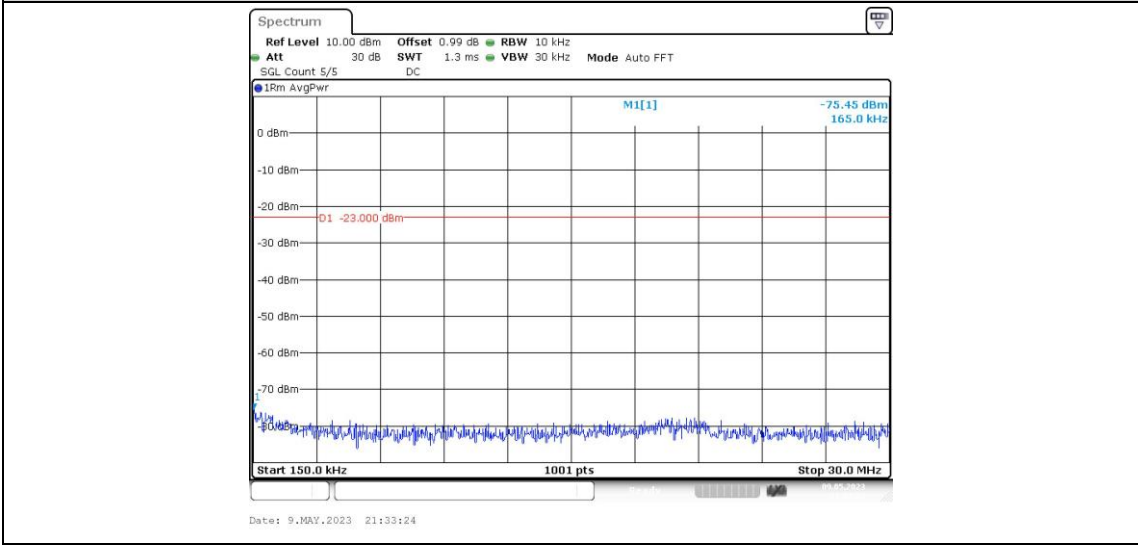
Band17-5MHz-16QAM-23825-1RB#0-Range4:1000~10000MHz



Band17-10MHz-QPSK-23780-1RB#0-Range1:0.009~0.15MHz



Band17-10MHz-QPSK-23780-1RB#0-Range2:0.15~30MHz



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