Appendix for LTE BAND 17

Product Name: Mobile Phone
Model No: SIMPLE

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	21.84	PASS
Band17	5MHz	QPSK	23755	1RB#12	21.75	PASS
Band17	5MHz	QPSK	23755	1RB#24	21.77	PASS
Band17	5MHz	QPSK	23755	12RB#0	21.78	PASS
Band17	5MHz	QPSK	23755	12RB#6	21.74	PASS
Band17	5MHz	QPSK	23755	12RB#13	21.84	PASS
Band17	5MHz	QPSK	23755	25RB#0	21.87	PASS
Band17	5MHz	16QAM	23755	1RB#0	21.76	PASS
Band17	5MHz	16QAM	23755	1RB#12	21.74	PASS
Band17	5MHz	16QAM	23755	1RB#24	21.75	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.75	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.73	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.80	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.75	PASS
Band17	5MHz	QPSK	23790	1RB#0	22.24	PASS
Band17	5MHz	QPSK	23790	1RB#12	22.30	PASS
Band17	5MHz	QPSK	23790	1RB#24	22.37	PASS
Band17	5MHz	QPSK	23790	12RB#0	21.77	PASS
Band17	5MHz	QPSK	23790	12RB#6	21.90	PASS
Band17	5MHz	QPSK	23790	12RB#13	21.79	PASS
Band17	5MHz	QPSK	23790	25RB#0	21.87	PASS
Band17	5MHz	16QAM	23790	1RB#0	21.30	PASS
Band17	5MHz	16QAM	23790	1RB#12	21.30	PASS
Band17	5MHz	16QAM	23790	1RB#24	21.32	PASS
Band17	5MHz	16QAM	23790	12RB#0	20.65	PASS
Band17	5MHz	16QAM	23790	12RB#6	20.72	PASS
Band17	5MHz	16QAM	23790	12RB#13	20.55	PASS
Band17	5MHz	16QAM	23790	25RB#0	20.88	PASS
Band17	5MHz	QPSK	23825	1RB#0	22.30	PASS
Band17	5MHz	QPSK	23825	1RB#12	22.12	PASS
Band17	5MHz	QPSK	23825	1RB#24	22.59	PASS
Band17	5MHz	QPSK	23825	12RB#0	21.87	PASS
Band17	5MHz	QPSK	23825	12RB#6	21.80	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.24	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.30	PASS
Band17	5MHz	16QAM	23825	1RB#0	21.28	PASS

Band17	5MHz	16QAM	23825	1RB#12	21.62	PASS
Band17	5MHz	16QAM	23825	1RB#24	21.62	PASS
Band17	5MHz	16QAM	23825	12RB#0	20.59	PASS
Band17	5MHz	16QAM	23825	12RB#6	20.61	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.15	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.48	PASS
Band17	10MHz	QPSK	23780	1RB#0	22.35	PASS
Band17	10MHz	QPSK	23780	1RB#24	22.29	PASS
Band17	10MHz	QPSK	23780	1RB#49	22.02	PASS
Band17	10MHz	QPSK	23780	25RB#0	21.87	PASS
Band17	10MHz	QPSK	23780	25RB#12	21.84	PASS
Band17	10MHz	QPSK	23780	25RB#25	21.75	PASS
Band17	10MHz	QPSK	23780	50RB#0	21.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.05	PASS
Band17	10MHz	16QAM	23780	1RB#24	21.79	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.29	PASS
Band17	10MHz	16QAM	23780	25RB#0	20.90	PASS
Band17	10MHz	16QAM	23780	25RB#12	20.82	PASS
Band17	10MHz	16QAM	23780	25RB#25	20.60	PASS
Band17	10MHz	16QAM	23780	50RB#0	20.73	PASS
Band17	10MHz	QPSK	23790	1RB#0	22.27	PASS
Band17	10MHz	QPSK	23790	1RB#24	22.22	PASS
Band17	10MHz	QPSK	23790	1RB#49	22.17	PASS
Band17	10MHz	QPSK	23790	25RB#0	21.92	PASS
Band17	10MHz	QPSK	23790	25RB#12	21.93	PASS
Band17	10MHz	QPSK	23790	25RB#25	21.85	PASS
Band17	10MHz	QPSK	23790	50RB#0	21.94	PASS
Band17	10MHz	16QAM	23790	1RB#0	21.61	PASS
Band17	10MHz	16QAM	23790	1RB#24	21.56	PASS
Band17	10MHz	16QAM	23790	1RB#49	21.93	PASS
Band17	10MHz	16QAM	23790	25RB#0	20.93	PASS
Band17	10MHz	16QAM	23790	25RB#12	20.95	PASS
Band17	10MHz	16QAM	23790	25RB#25	20.90	PASS
Band17	10MHz	16QAM	23790	50RB#0	20.89	PASS
Band17	10MHz	QPSK	23800	1RB#0	22.44	PASS
Band17	10MHz	QPSK	23800	1RB#24	22.33	PASS
Band17	10MHz	QPSK	23800	1RB#49	22.65	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.06	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.11	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.21	PASS
Band17	10MHz	QPSK	23800	50RB#0	21.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.46	PASS

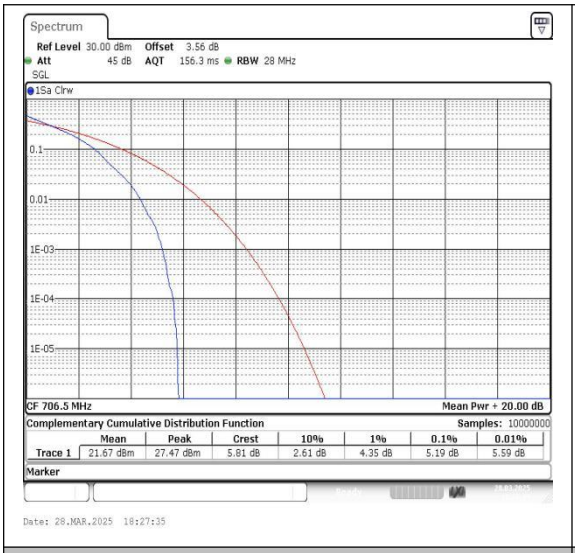
Band17	10MHz	16QAM	23800	1RB#24	22.29	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.61	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.05	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.08	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.28	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.00	PASS

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

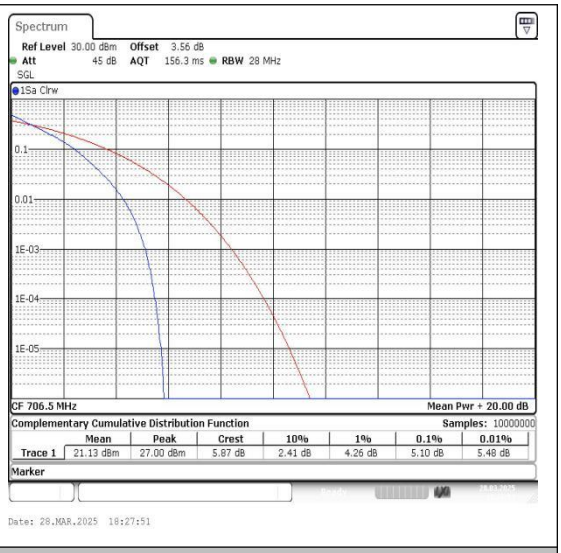
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	5.19	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.10	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.71	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	5.88	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	4.46	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.75	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	4.99	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	5.54	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.49	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.99	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.19	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.74	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	5.01	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.13	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.59	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.94	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	5.01	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.16	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.59	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.94	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	4.87	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.16	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.45	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.97	13	PASS

Test Graphs



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



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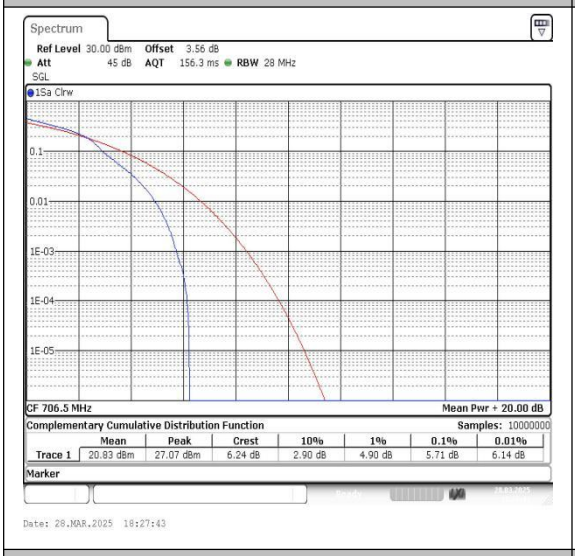

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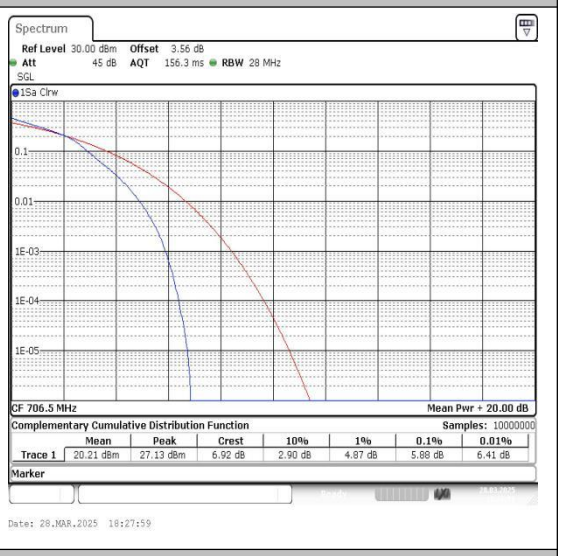

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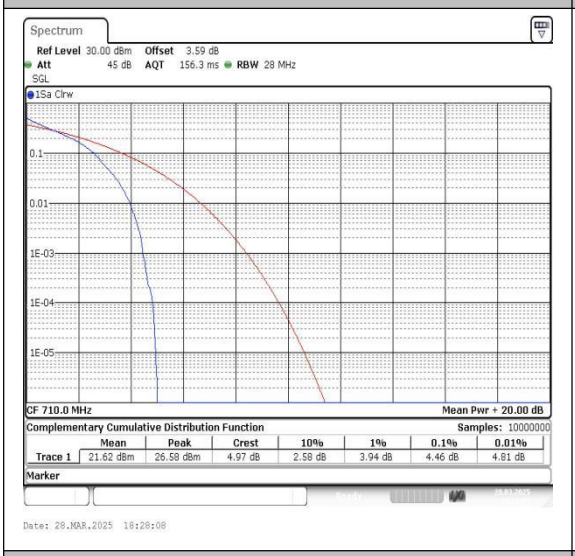

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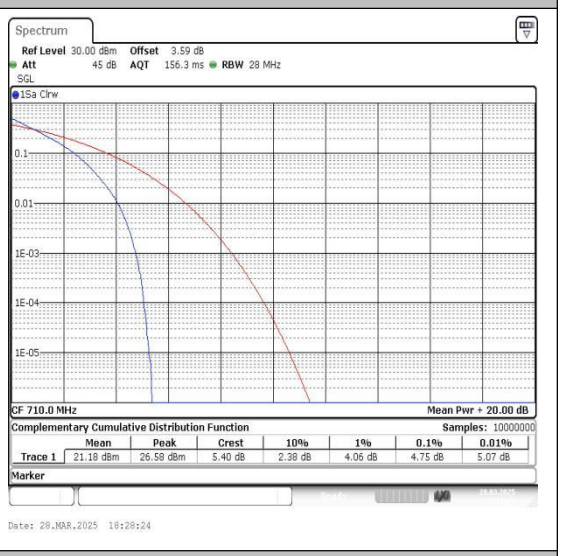

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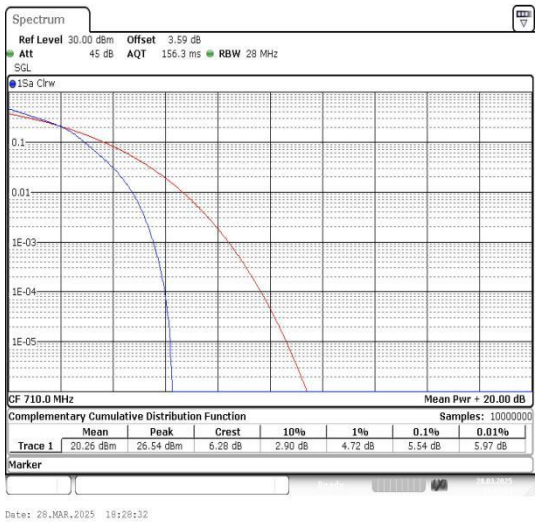
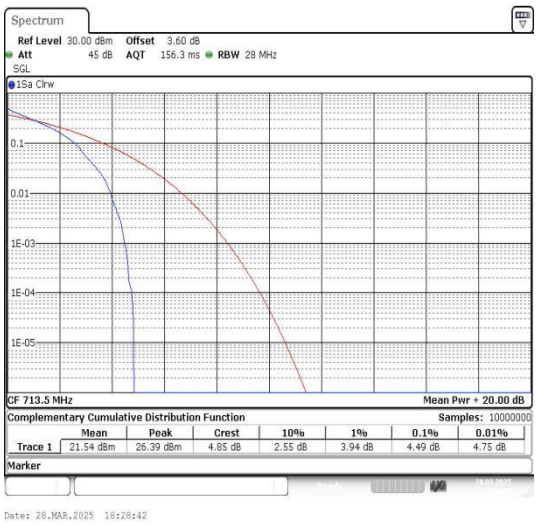
Band17-5MHz-16QAM-23790-1RB#0-PASS



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



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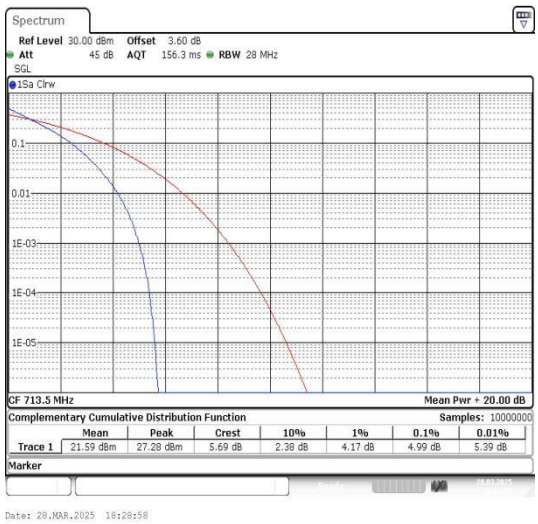

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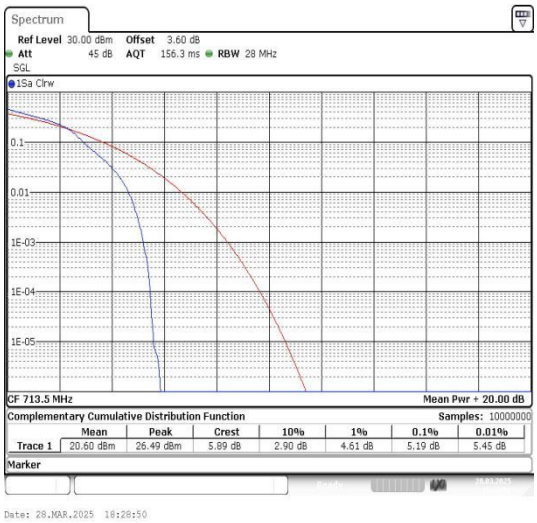
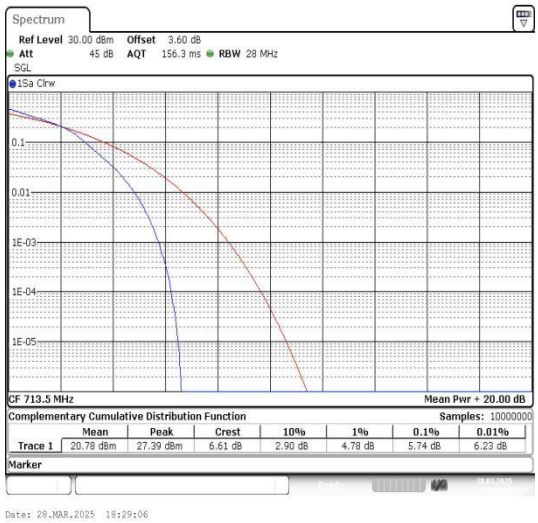
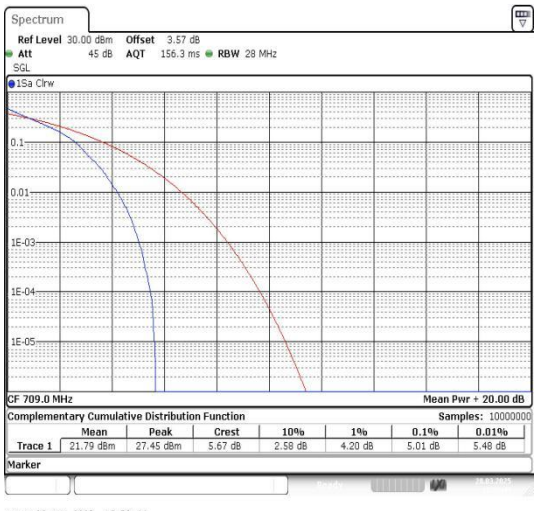


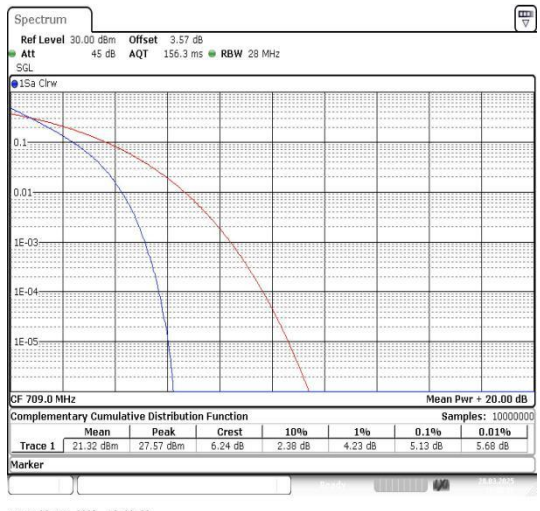
Band17-5MHz-16QAM-23825-1RB#0-PASS



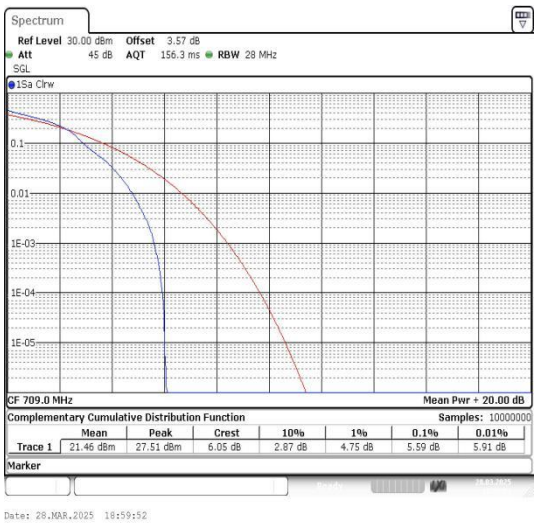
Band17-5MHz-16QAM-23825-25RB#0-PASS



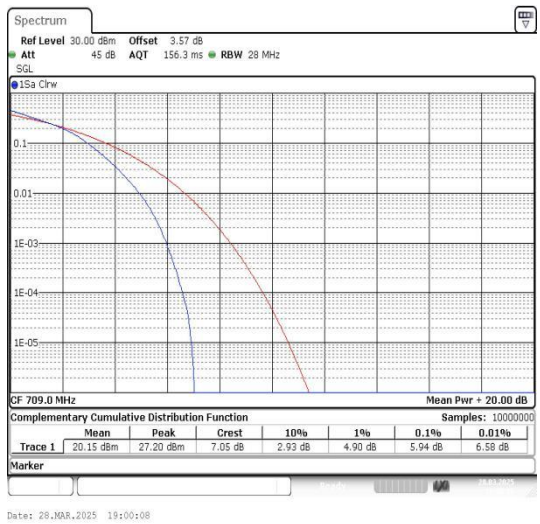
Band17-10MHz-QPSK-23780-1RB#0-PASS



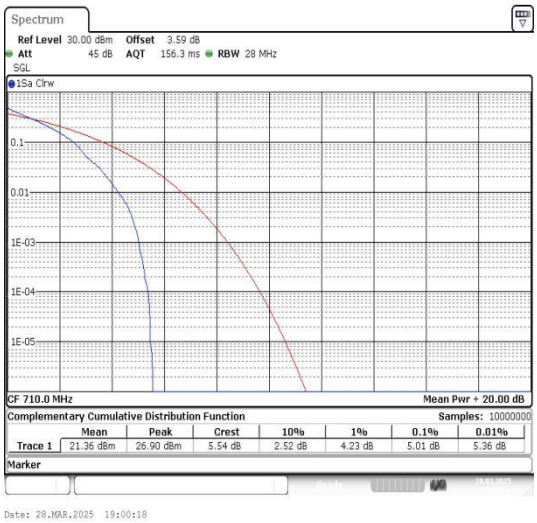
Band17-10MHz-QPSK-23780-50RB#0-PASS



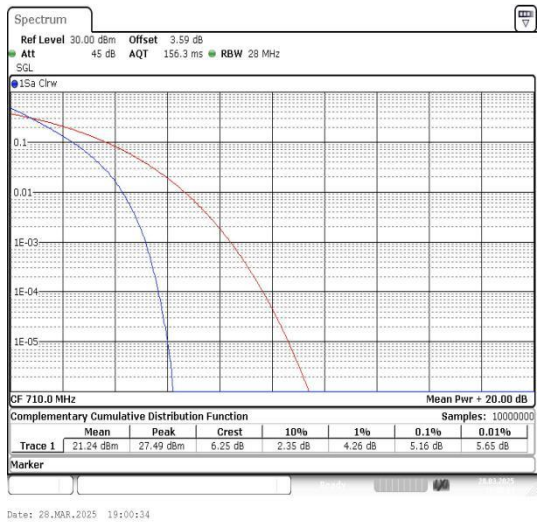
Band17-10MHz-16QAM-23780-1RB#0-PASS



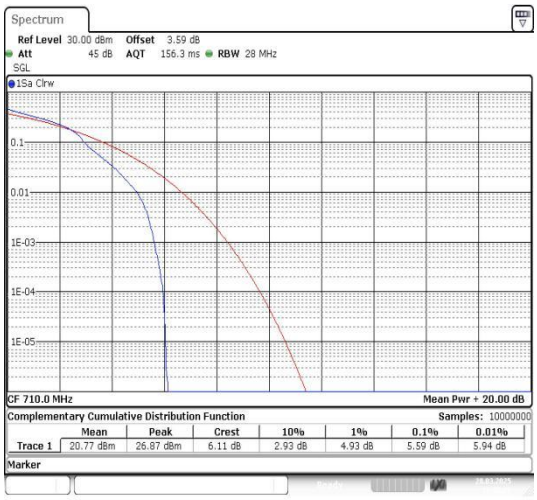
Band17-10MHz-16QAM-23780-50RB#0-PASS



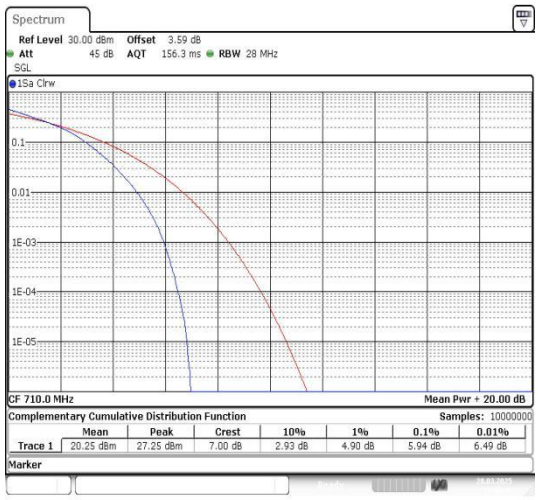
Band17-10MHz-QPSK-23790-1RB#0-PASS



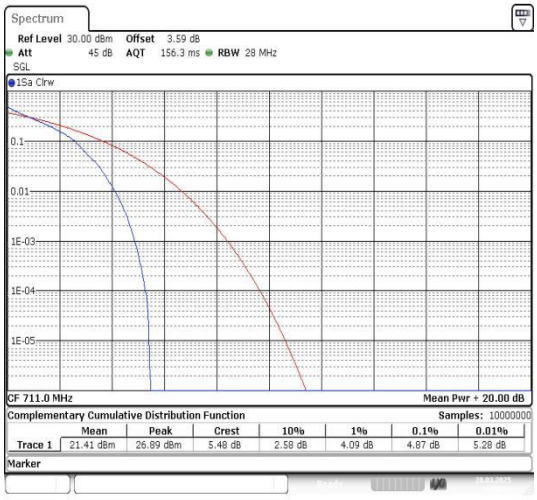
Band17-10MHz-QPSK-23790-50RB#0-PASS



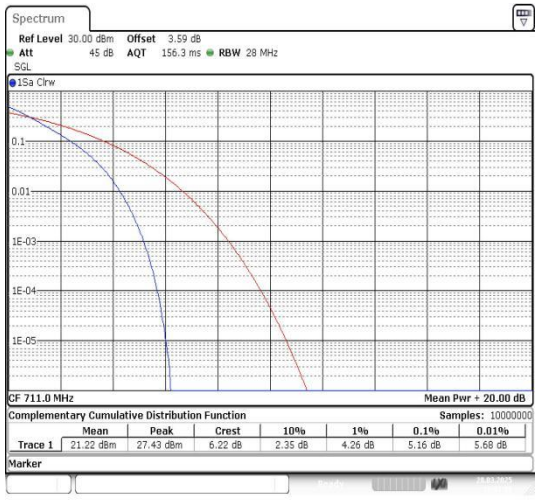
Band17-10MHz-16QAM-23790-1RB#0-PASS



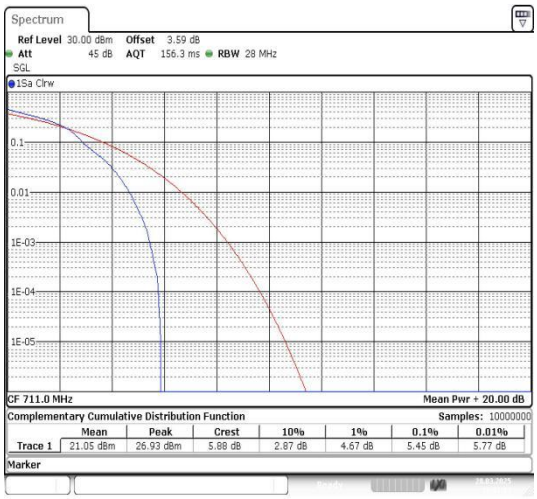
Band17-10MHz-16QAM-23790-50RB#0-PASS



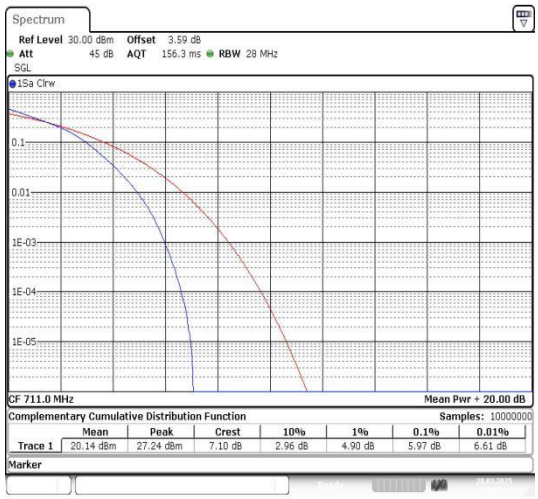
Band17-10MHz-QPSK-23800-1RB#0-PASS



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



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



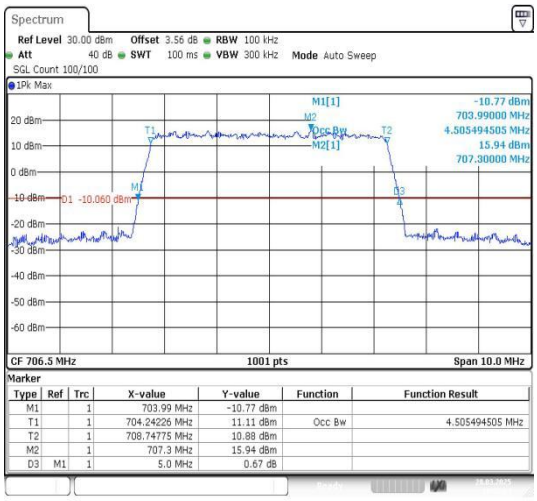
Band17-10MHz-16QAM-23800-50RB#0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

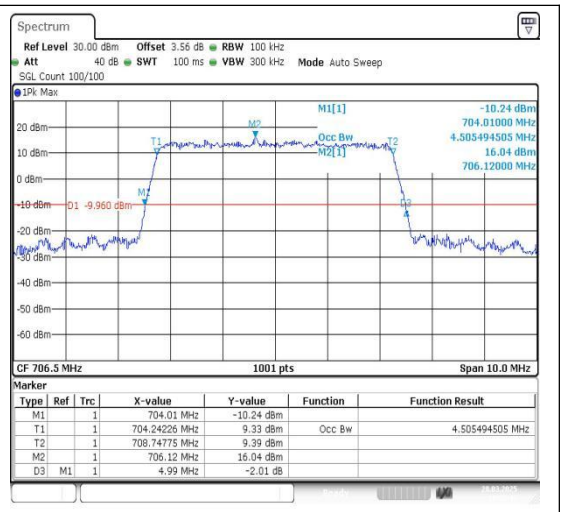
Test Result

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	4.505	4.99	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.496	4.99	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.515	5.01	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.515	5.01	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.505	4.98	PASS
Band17	10MHz	QPSK	23780	50RB#0	9.018	9.97	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.985	9.93	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.018	9.97	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.985	9.97	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.985	9.93	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.985	9.97	PASS

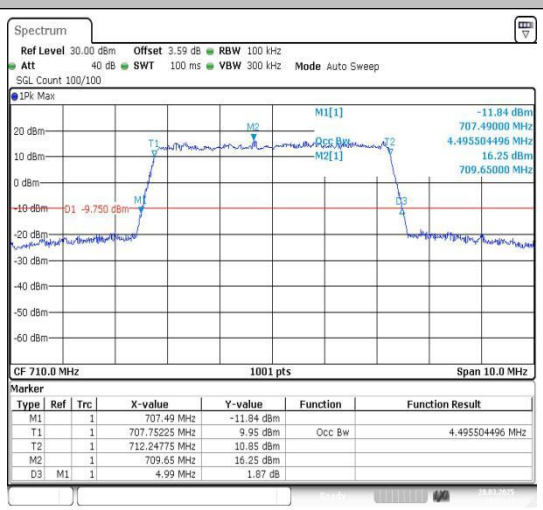
Test Graphs



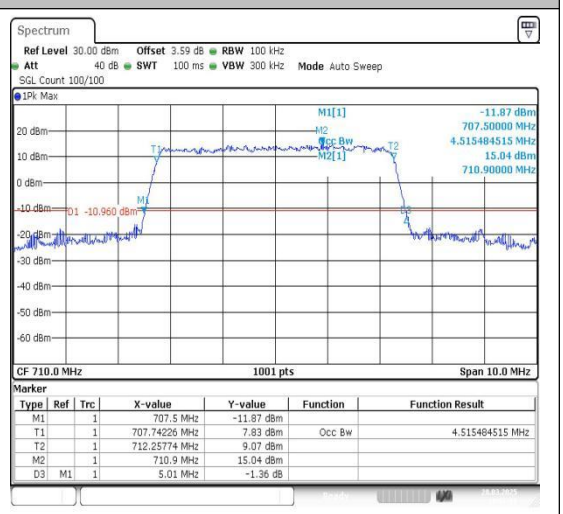
Band17-5MHz-QPSK-23755-25RB#0-PASS



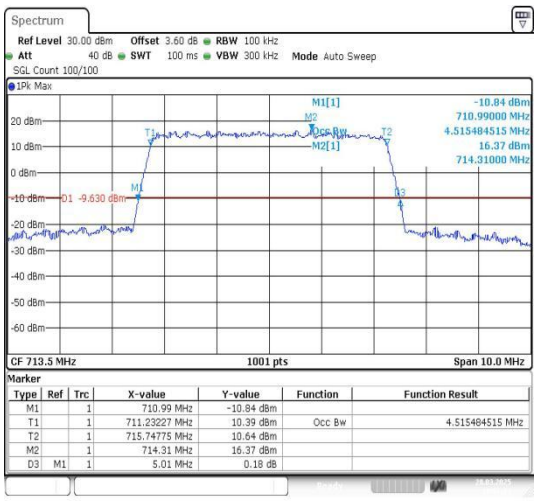
Band17-5MHz-16QAM-23755-25RB#0-PASS



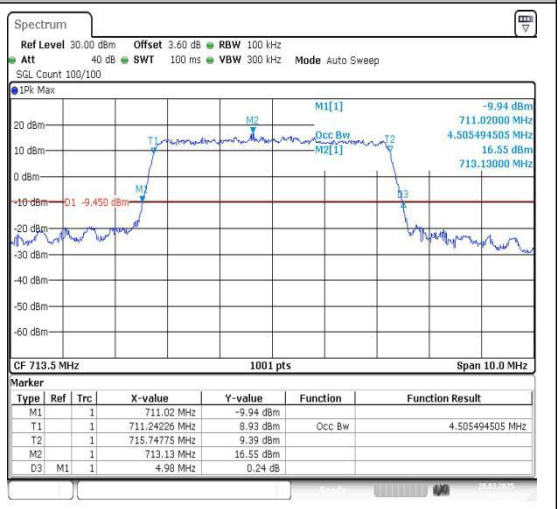
Band17-5MHz-QPSK-23790-25RB#0-PASS



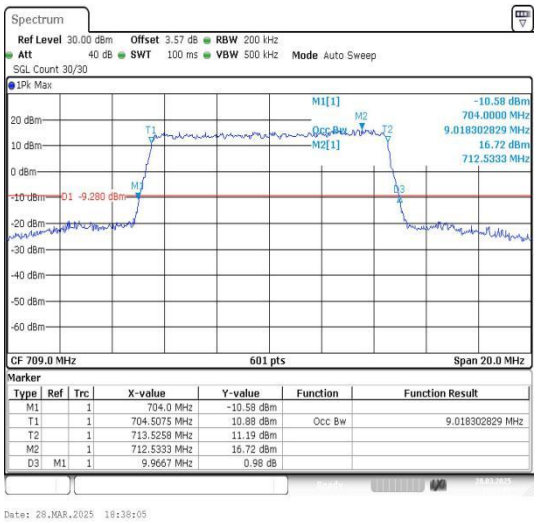
Band17-5MHz-16QAM-23790-25RB#0-PASS



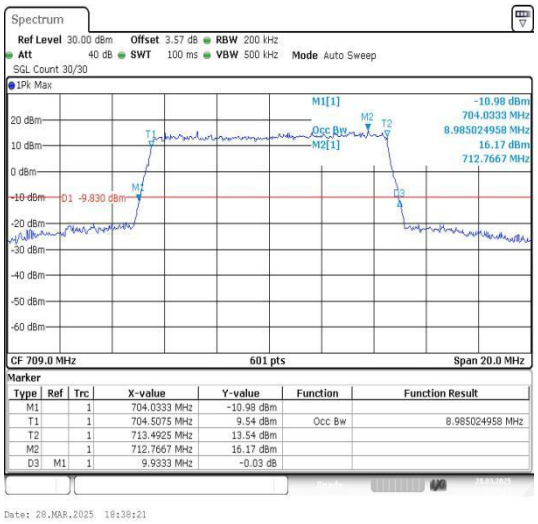
Band17-5MHz-16QAM-23790-25RB#0-PASS



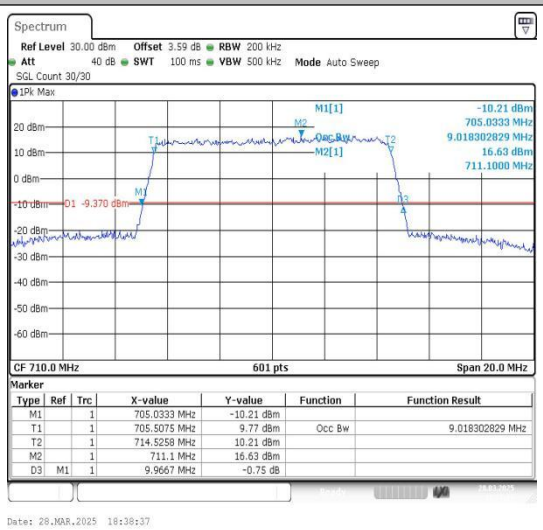
Band17-5MHz-QPSK-23825-25RB#0-PASS



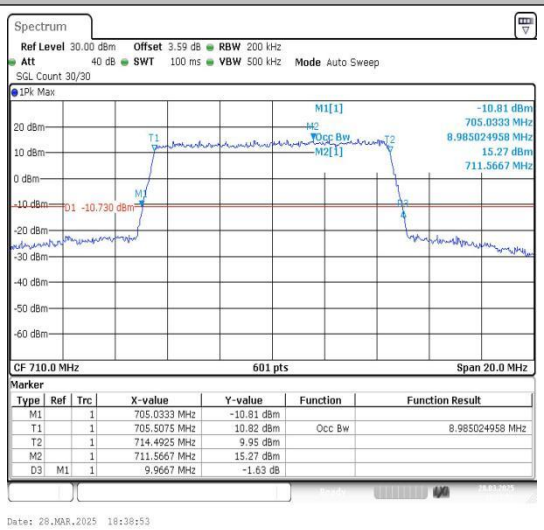
Band17-5MHz-16QAM-23825-25RB#0-PASS



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



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



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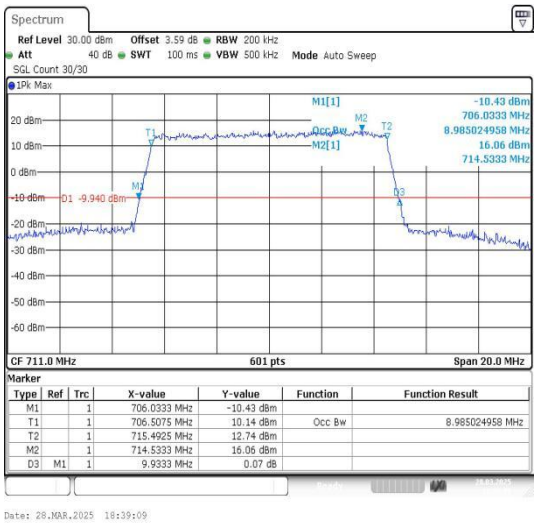
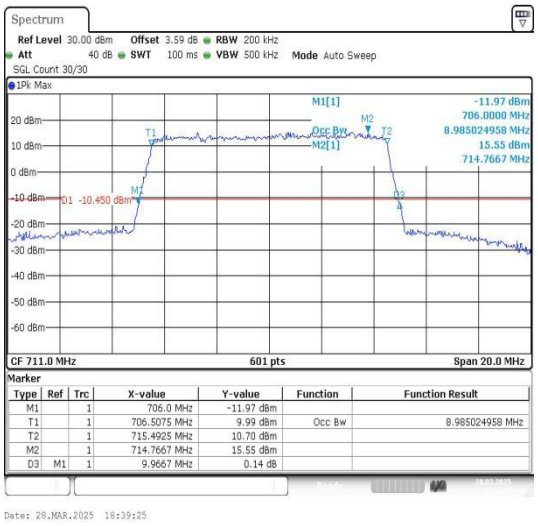


Band17-10MHz-16QAM-23790-50RB#0-PASS



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

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

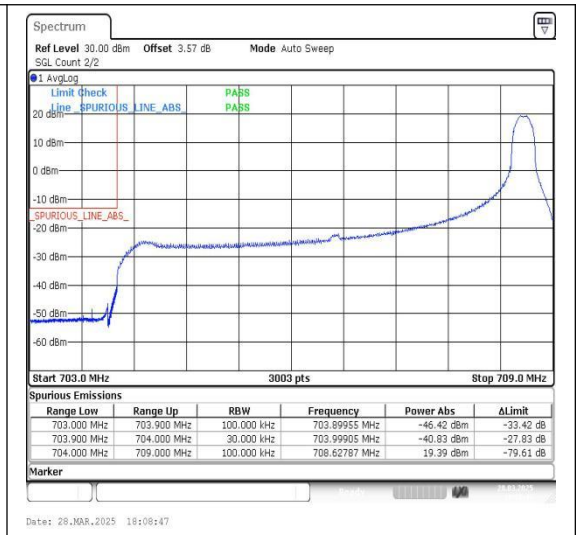
Appendix D: Band Edge

Test Result

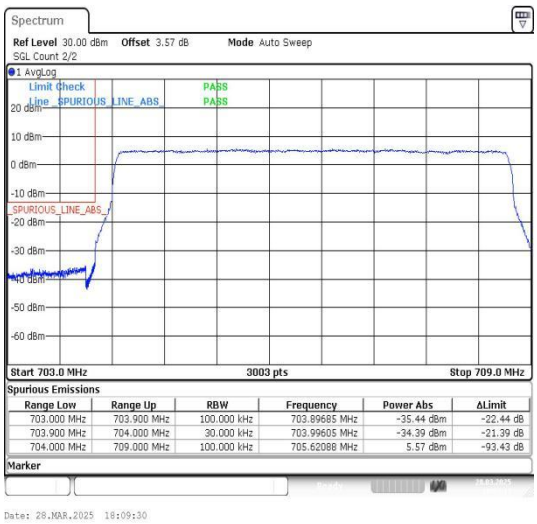
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	-24.87	PASS
Band17	5MHz	QPSK	23755	1RB#24	-40.83	PASS
Band17	5MHz	QPSK	23755	25RB#0	-34.39	PASS
Band17	5MHz	16QAM	23755	1RB#0	-25.52	PASS
Band17	5MHz	16QAM	23755	1RB#24	-42.60	PASS
Band17	5MHz	16QAM	23755	25RB#0	-34.86	PASS
Band17	5MHz	QPSK	23825	1RB#0	-42.53	PASS
Band17	5MHz	QPSK	23825	1RB#24	-23.71	PASS
Band17	5MHz	QPSK	23825	25RB#0	-34.71	PASS
Band17	5MHz	16QAM	23825	1RB#0	-43.62	PASS
Band17	5MHz	16QAM	23825	1RB#24	-25.17	PASS
Band17	5MHz	16QAM	23825	25RB#0	-34.57	PASS
Band17	10MHz	QPSK	23780	1RB#0	-30.13	PASS
Band17	10MHz	QPSK	23780	1RB#49	-48.51	PASS
Band17	10MHz	QPSK	23780	50RB#0	-36.28	PASS
Band17	10MHz	16QAM	23780	1RB#0	-31.13	PASS
Band17	10MHz	16QAM	23780	1RB#49	-48.25	PASS
Band17	10MHz	16QAM	23780	50RB#0	-38.07	PASS
Band17	10MHz	QPSK	23800	1RB#0	-48.08	PASS
Band17	10MHz	QPSK	23800	1RB#49	-29.45	PASS
Band17	10MHz	QPSK	23800	50RB#0	-36.36	PASS
Band17	10MHz	16QAM	23800	1RB#0	-48.83	PASS
Band17	10MHz	16QAM	23800	1RB#49	-29.12	PASS
Band17	10MHz	16QAM	23800	50RB#0	-36.95	PASS

Test Graphs

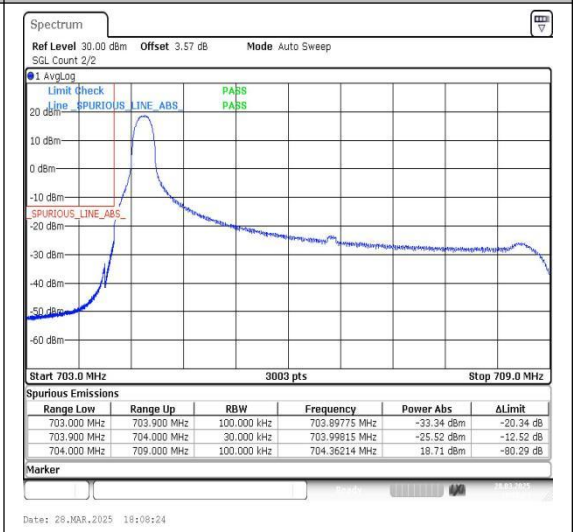
Band17_5MHz_QPSK_23755_1RB#0



Band17_5MHz_QPSK_23755_1RB#24

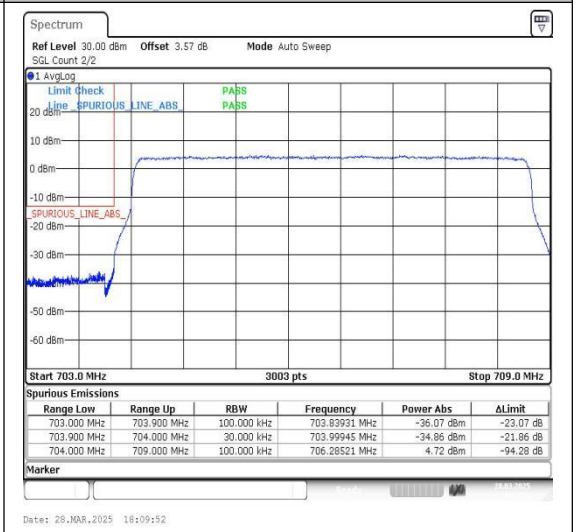


Band17_5MHz_QPSK_23755_25RB#0



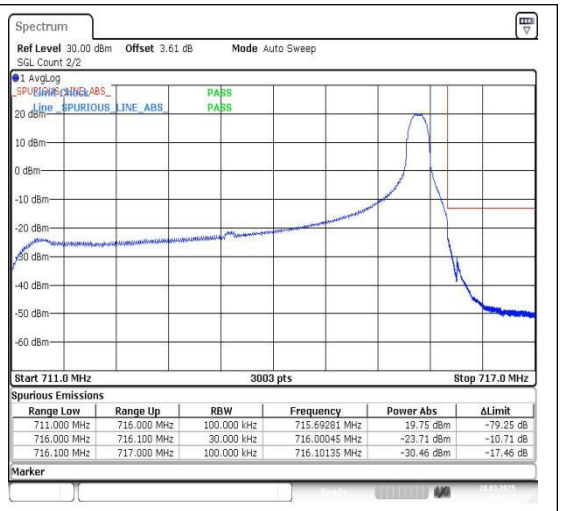
Band17_5MHz_16QAM_23755_1RB#0

Band17_5MHz_16QAM_23755_1RB#24



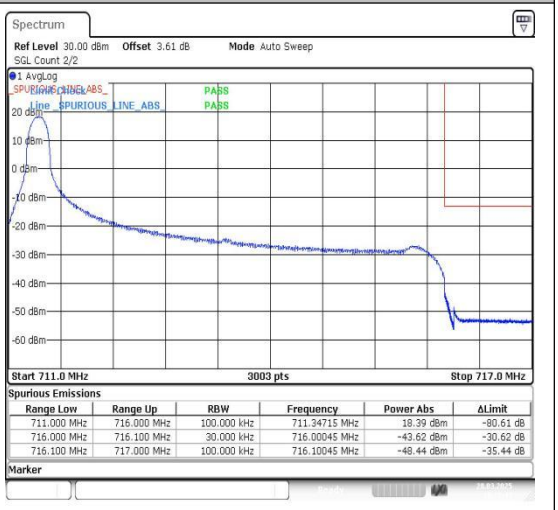
Band17_5MHz_16QAM_23755_25RB#0

Band17_5MHz_QPSK_23825_1RB#0

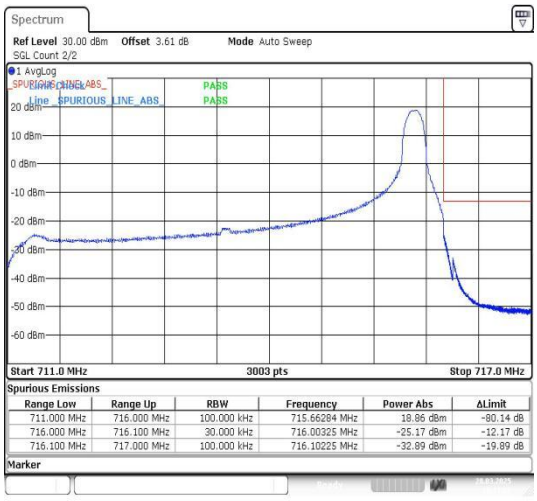


Band17_5MHz_QPSK_23825_1RB#24

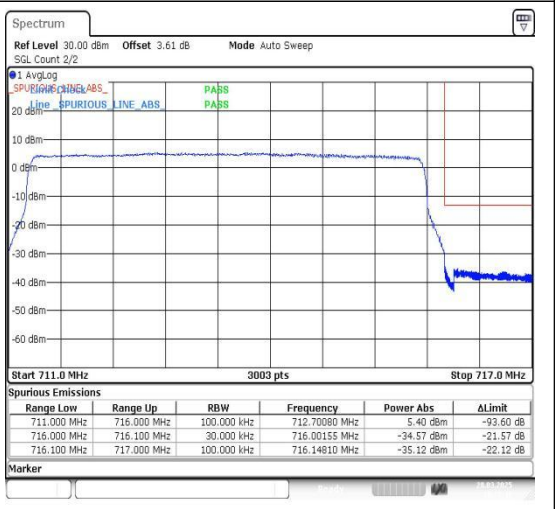
Band17_5MHz_QPSK_23825_25RB#0



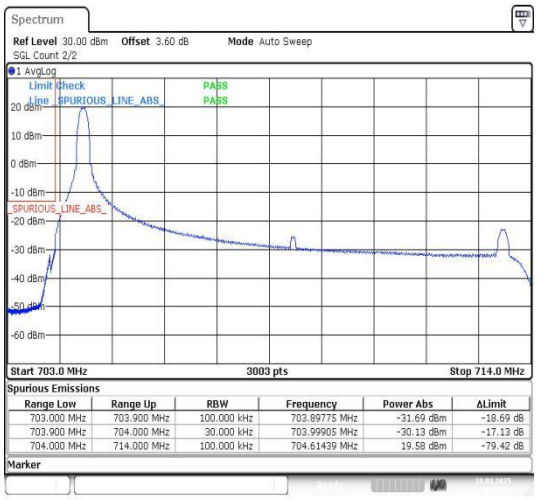
Band17_5MHz_16QAM_23825_1RB#0



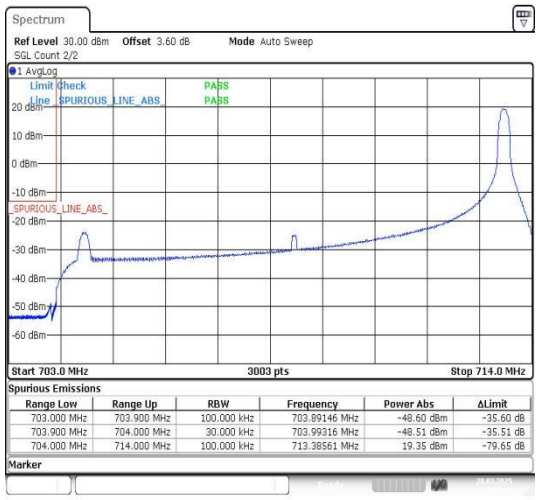
Band17_5MHz_16QAM_23825_1RB#24



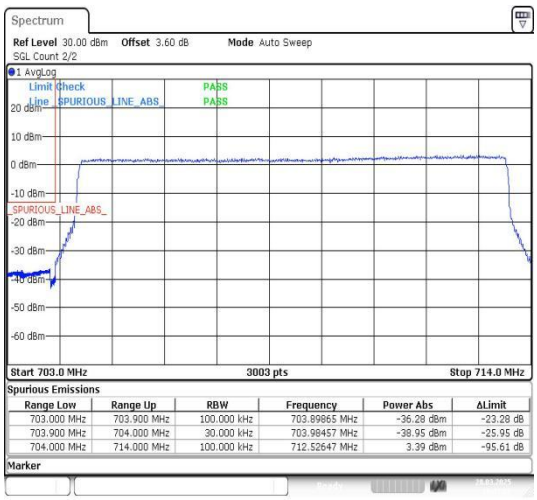
Band17_5MHz_16QAM_23825_25RB#0



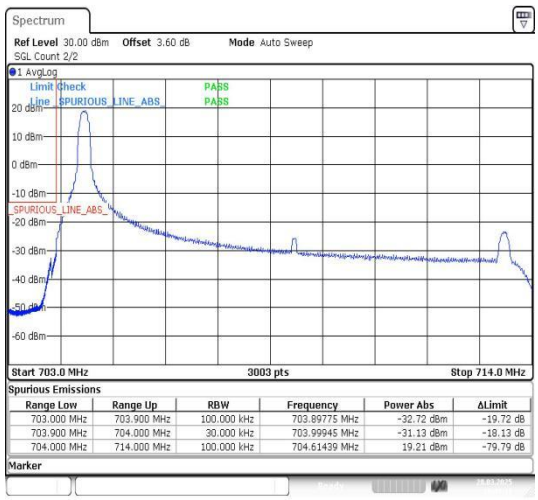
Band17_10MHz_QPSK_23780_1RB#0



Band17_10MHz_QPSK_23780_1RB#49

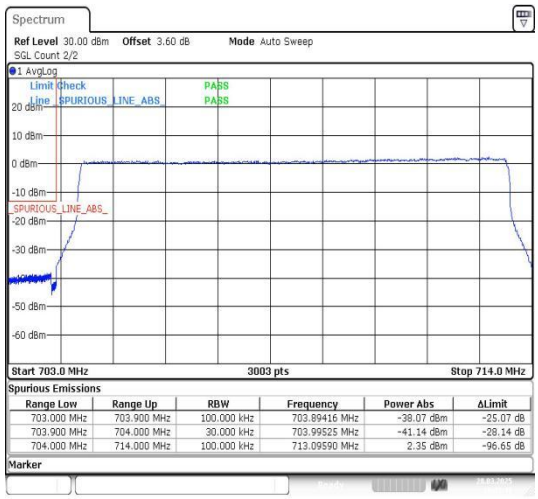


Band17_10MHz_QPSK_23780_50RB#0

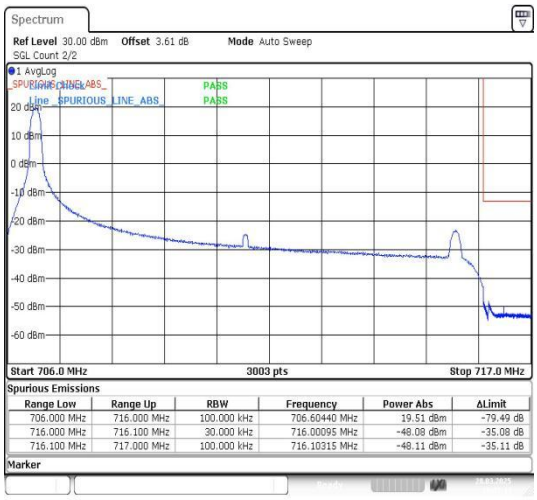


Band17_10MHz_16QAM_23780_1RB#0

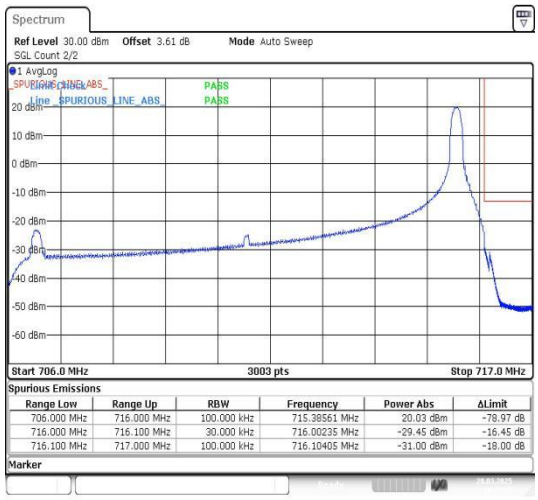
Band17_10MHz_16QAM_23780_1RB#49



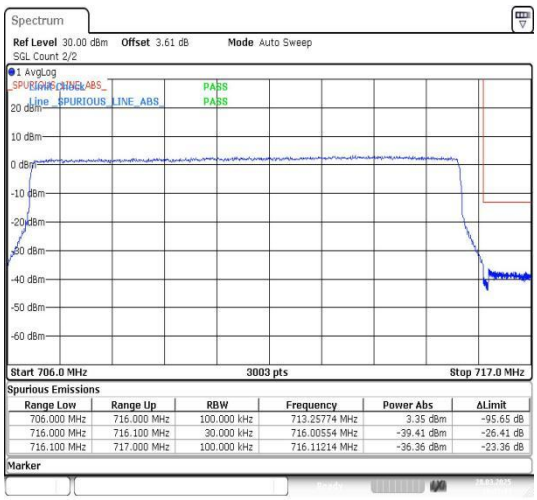
Band17_10MHz_16QAM_23780_50RB#0



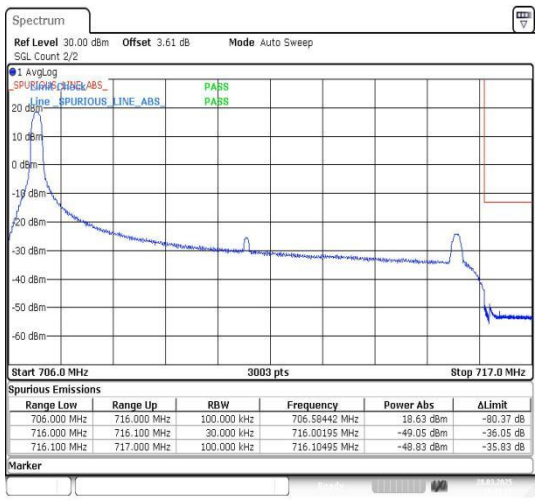
Band17_10MHz_QPSK_23800_1RB#0



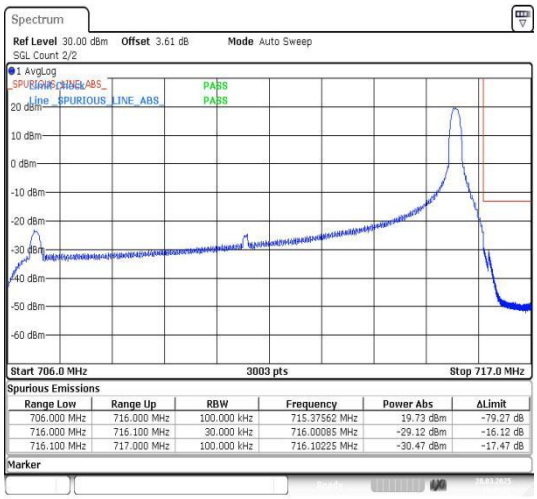
Band17_10MHz_QPSK_23800_1RB#49



Band17_10MHz_QPSK_23800_50RB#0



Band17_10MHz_16QAM_23800_1RB#0



Band17_10MHz_16QAM_23800_1RB#49

Band17_10MHz_16QAM_23800_50RB#0

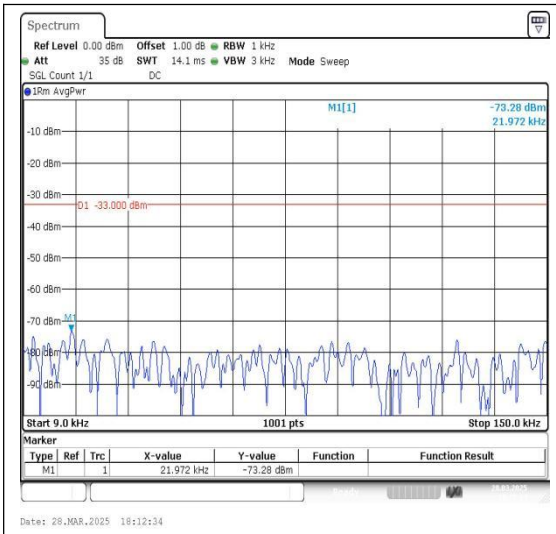
Appendix E: Conducted Spurious Emission

Test Result

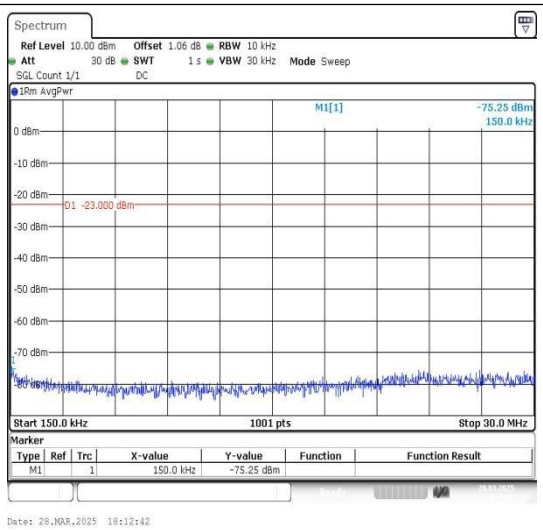
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	0.009~0.15	-73.28	PASS
Band17	5MHz	QPSK	23755	1RB#0	0.15~30	-75.25	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000	-60.94	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~3000	-47.48	PASS
Band17	5MHz	QPSK	23755	1RB#0	3000~10000	-36.39	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.009~0.15	-73.80	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.15~30	-75.39	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000	-61.04	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~3000	-47.55	PASS
Band17	5MHz	16QAM	23755	1RB#0	3000~10000	-36.44	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.009~0.15	-72.30	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.15~30	-73.87	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000	-61.87	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~3000	-47.49	PASS
Band17	5MHz	QPSK	23790	1RB#0	3000~10000	-36.50	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.009~0.15	-71.48	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.15~30	-75.19	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000	-61.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~3000	-47.51	PASS
Band17	5MHz	16QAM	23790	1RB#0	3000~10000	-36.56	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.009~0.15	-71.71	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.15~30	-74.70	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000	-61.80	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~3000	-47.49	PASS
Band17	5MHz	QPSK	23825	1RB#0	3000~10000	-36.47	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.009~0.15	-69.78	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.15~30	-73.54	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000	-61.88	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~3000	-47.52	PASS
Band17	5MHz	16QAM	23825	1RB#0	3000~10000	-36.52	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.009~0.15	-74.15	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.15~30	-75.66	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000	-62.19	PASS
Band17	10MHz	QPSK	23780	1RB#0	1000~3000	-47.51	PASS
Band17	10MHz	QPSK	23780	1RB#0	3000~10000	-36.58	PASS

Band17	10MHz	16QAM	23780	1RB#0	0.009~0.15	-72.01	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.15~30	-75.20	PASS
Band17	10MHz	16QAM	23780	1RB#0	30~1000	-61.71	PASS
Band17	10MHz	16QAM	23780	1RB#0	1000~3000	-47.49	PASS
Band17	10MHz	16QAM	23780	1RB#0	3000~10000	-36.44	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.009~0.15	-71.31	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.15~30	-73.94	PASS
Band17	10MHz	QPSK	23790	1RB#0	30~1000	-62.05	PASS
Band17	10MHz	QPSK	23790	1RB#0	1000~3000	-47.47	PASS
Band17	10MHz	QPSK	23790	1RB#0	3000~10000	-36.57	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.009~0.15	-71.45	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.15~30	-75.45	PASS
Band17	10MHz	16QAM	23790	1RB#0	30~1000	-62.30	PASS
Band17	10MHz	16QAM	23790	1RB#0	1000~3000	-47.43	PASS
Band17	10MHz	16QAM	23790	1RB#0	3000~10000	-36.50	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.009~0.15	-70.44	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.15~30	-74.76	PASS
Band17	10MHz	QPSK	23800	1RB#0	30~1000	-61.52	PASS
Band17	10MHz	QPSK	23800	1RB#0	1000~3000	-47.45	PASS
Band17	10MHz	QPSK	23800	1RB#0	3000~10000	-36.54	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.009~0.15	-70.72	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.15~30	-74.71	PASS
Band17	10MHz	16QAM	23800	1RB#0	30~1000	-62.04	PASS
Band17	10MHz	16QAM	23800	1RB#0	1000~3000	-47.45	PASS
Band17	10MHz	16QAM	23800	1RB#0	3000~10000	-36.44	PASS

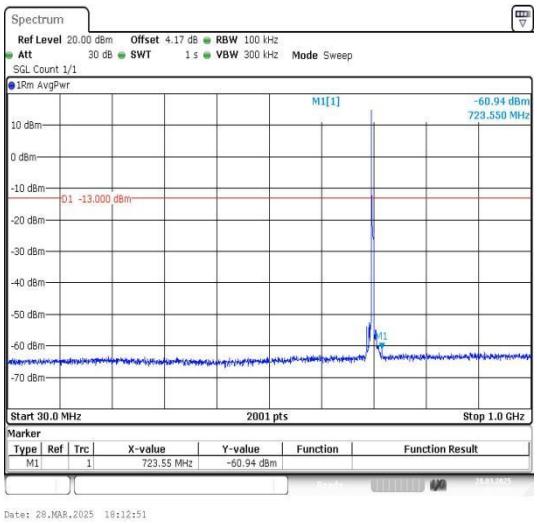
Test Graphs



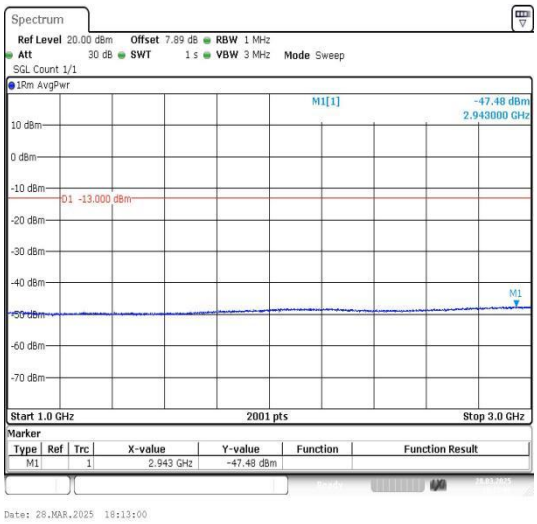
Band17_5MHz_QPSK_23755_1RB#0_0.009~0.15_0.009~0.15



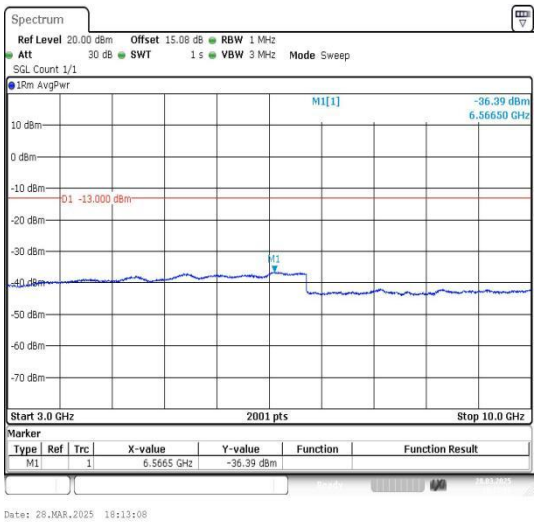
Band17_5MHz_QPSK_23755_1RB#0_0.15~30_0.15~30



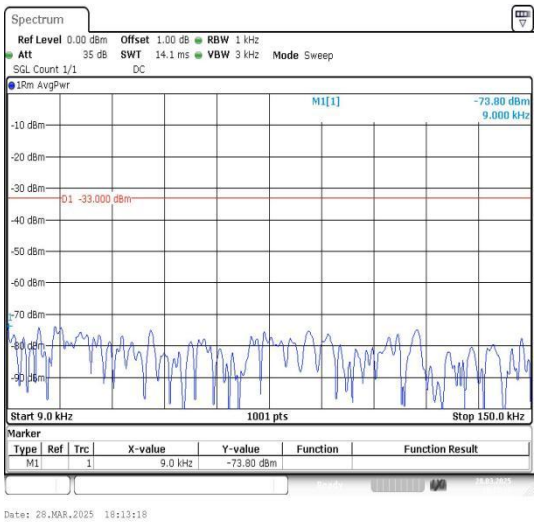
Band17_5MHz_QPSK_23755_1RB#0_30~1000_30~1000



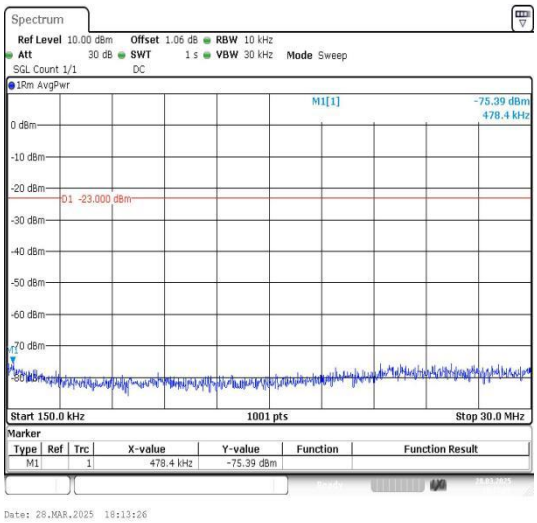
Band17_5MHz_QPSK_23755_1RB#0_1000~3000_1000~3000

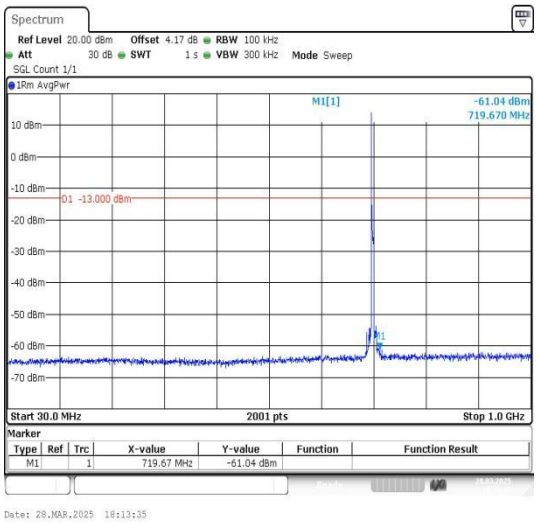


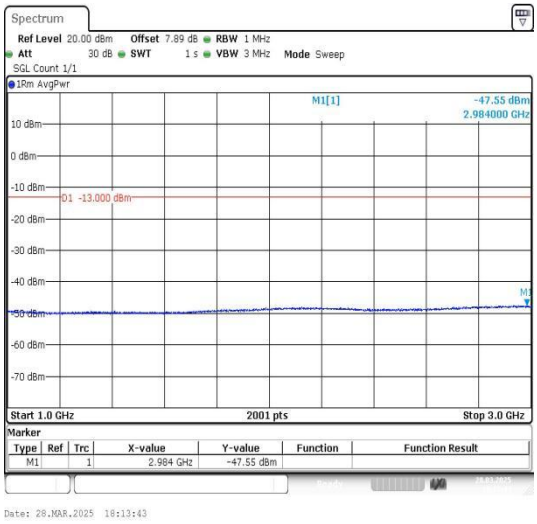
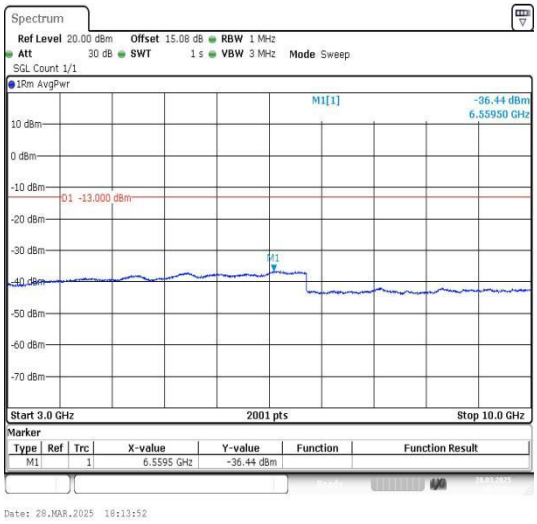
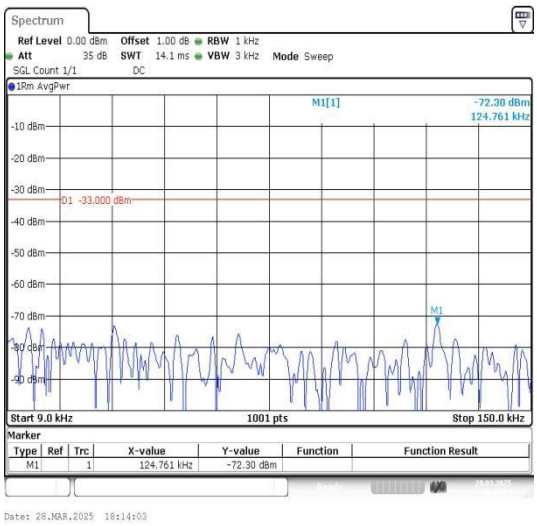
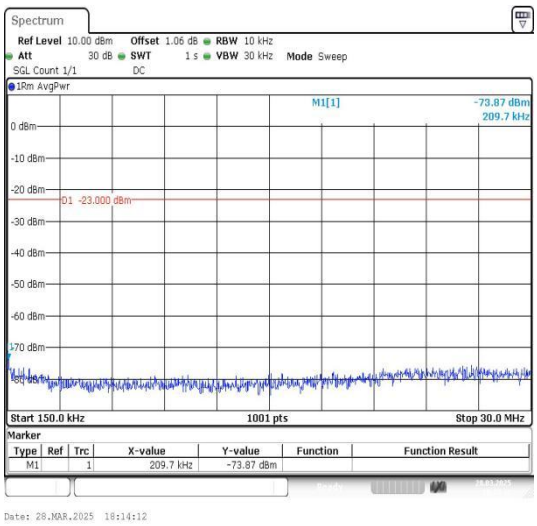
Band17_5MHz_QPSK_23755_1RB#0_3000~10000_3000~10000

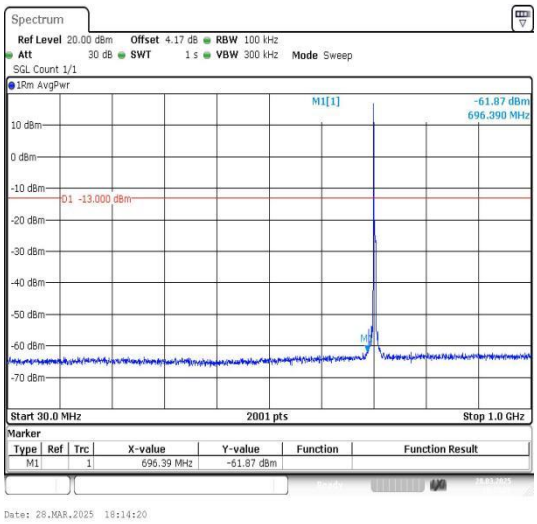


Band17_5MHz_16QAM_23755_1RB#0_0.009~0.15_0.009~0.15

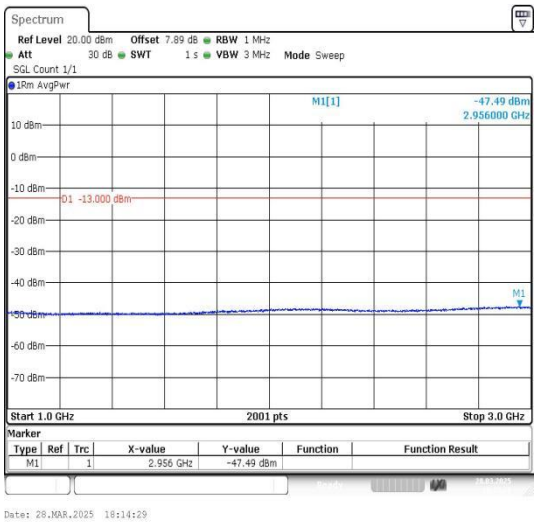




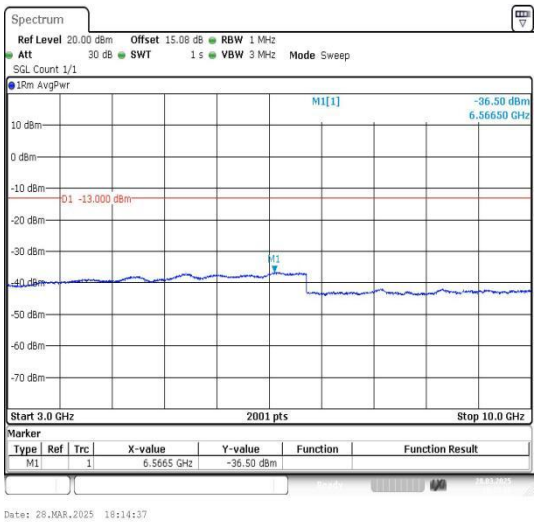
Band17_5MHz_16QAM_23755_1RB#0_0.15~30_0.15~30	Band17_5MHz_16QAM_23755_1RB#0_30~1000_30~1000
	
Band17_5MHz_16QAM_23755_1RB#0_1000~3000_1000~3000	Band17_5MHz_16QAM_23755_1RB#0_3000~10000_3000~10000
	
Band17_5MHz_QPSK_23790_1RB#0_0.009~0.15_0.009~0.15	Band17_5MHz_QPSK_23790_1RB#0_0.15~30_0.15~30



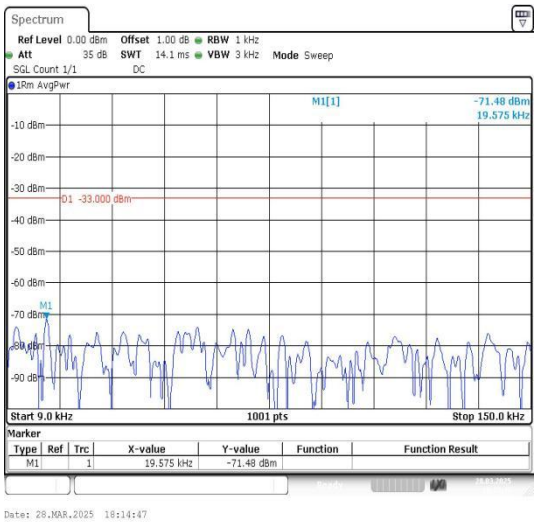
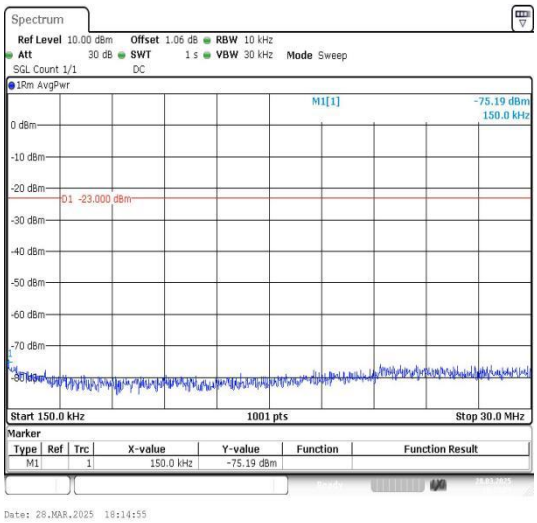
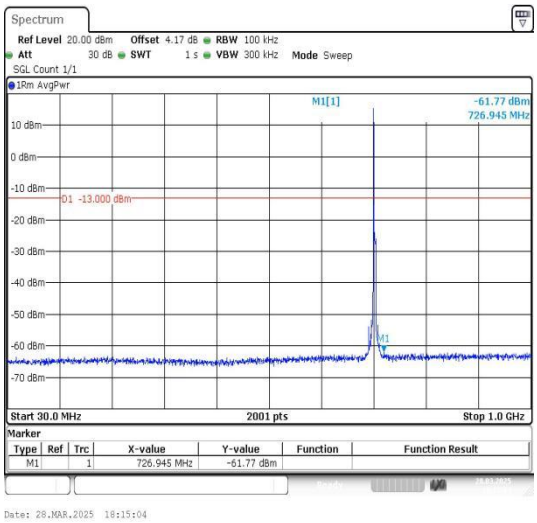
Band17_5MHz_QPSK_23790_1RB#0_30~1000_30~1000



Band17_5MHz_QPSK_23790_1RB#0_1000~3000_1000~3000



Band17_5MHz_QPSK_23790_1RB#0_3000~10000_3000~10000



Band17_5MHz_16QAM_23790_1RB#0_0.009~0.15_0.009~0.15