

Effective (Isotropic) Radiated Power Output Data for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Power (dBm)	Gain (dBi)	E(I)RP (dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	16QAM	23017	1	0	Low	21.32	1.6	20.77	34.8	PASS
Band12	1.4MHz	16QAM	23017	1	5	Low	21.88	1.6	21.33	34.8	PASS
Band12	1.4MHz	16QAM	23017	6	0	Low	20.59	1.6	20.04	34.8	PASS
Band12	1.4MHz	QPSK	23017	1	0	Low	22.6	1.6	22.05	34.8	PASS
Band12	1.4MHz	QPSK	23017	1	5	Low	22.71	1.6	22.16	34.8	PASS
Band12	1.4MHz	QPSK	23017	6	0	Low	20.59	1.6	20.04	34.8	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	21.36	1.6	20.81	34.8	PASS
Band12	1.4MHz	16QAM	23095	1	5	Low	21.85	1.6	21.3	34.8	PASS
Band12	1.4MHz	16QAM	23095	6	0	Low	20.5	1.6	19.95	34.8	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	22.71	1.6	22.16	34.8	PASS
Band12	1.4MHz	QPSK	23095	1	5	Low	22.72	1.6	22.17	34.8	PASS
Band12	1.4MHz	QPSK	23095	6	0	Low	20.57	1.6	20.02	34.8	PASS
Band12	1.4MHz	16QAM	23173	1	0	High	21.39	1.6	20.84	34.8	PASS
Band12	1.4MHz	16QAM	23173	1	5	High	21.49	1.6	20.94	34.8	PASS
Band12	1.4MHz	16QAM	23173	6	0	High	20.37	1.6	19.82	34.8	PASS
Band12	1.4MHz	QPSK	23173	1	0	High	22.61	1.6	22.06	34.8	PASS
Band12	1.4MHz	QPSK	23173	1	5	High	22.68	1.6	22.13	34.8	PASS
Band12	1.4MHz	QPSK	23173	6	0	High	20.38	1.6	19.83	34.8	PASS
Band12	3MHz	16QAM	23025	1	0	Low	21.36	1.6	20.81	34.8	PASS
Band12	3MHz	16QAM	23025	1	5	Low	22.04	1.6	21.49	34.8	PASS
Band12	3MHz	16QAM	23025	6	0	Low	20.65	1.6	20.1	34.8	PASS
Band12	3MHz	QPSK	23025	1	0	Low	22.75	1.6	22.2	34.8	PASS
Band12	3MHz	QPSK	23025	1	5	Low	22.79	1.6	22.24	34.8	PASS
Band12	3MHz	QPSK	23025	6	0	Low	20.63	1.6	20.08	34.8	PASS
Band12	3MHz	16QAM	23095	1	0	Low	21.42	1.6	20.87	34.8	PASS
Band12	3MHz	16QAM	23095	1	5	Low	21.43	1.6	20.88	34.8	PASS
Band12	3MHz	16QAM	23095	6	0	Low	20.32	1.6	19.77	34.8	PASS
Band12	3MHz	QPSK	23095	1	0	Low	22.67	1.6	22.12	34.8	PASS
Band12	3MHz	QPSK	23095	1	5	Low	22.92	1.6	22.37	34.8	PASS
Band12	3MHz	QPSK	23095	6	0	Low	20.33	1.6	19.78	34.8	PASS
Band12	3MHz	16QAM	23165	1	0	High	21.49	1.6	20.94	34.8	PASS
Band12	3MHz	16QAM	23165	1	5	High	21.79	1.6	21.24	34.8	PASS
Band12	3MHz	16QAM	23165	6	0	High	20.49	1.6	19.94	34.8	PASS
Band12	3MHz	QPSK	23165	1	0	High	22.61	1.6	22.06	34.8	PASS
Band12	3MHz	QPSK	23165	1	5	High	22.71	1.6	22.16	34.8	PASS
Band12	3MHz	QPSK	23165	6	0	High	20.6	1.6	20.05	34.8	PASS

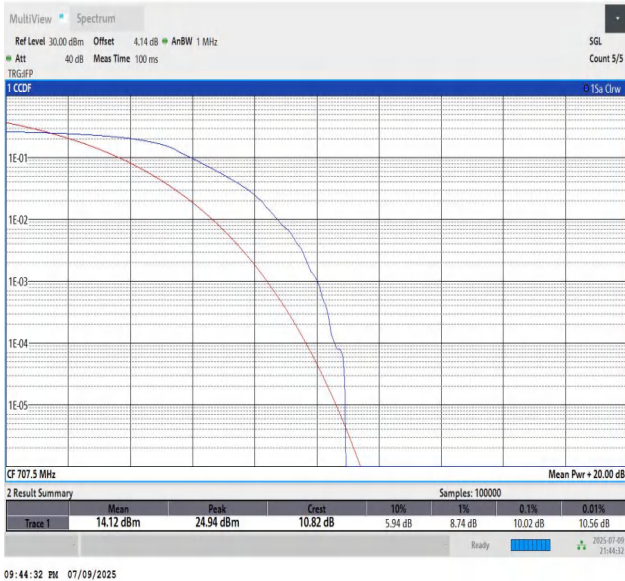
Band12	5MHz	16QAM	23035	1	0	Low	22.78	1.6	22.23	34.8	PASS
Band12	5MHz	16QAM	23035	1	5	Low	23.02	1.6	22.47	34.8	PASS
Band12	5MHz	16QAM	23035	6	0	Low	21.47	1.6	20.92	34.8	PASS
Band12	5MHz	QPSK	23035	1	0	Low	22.58	1.6	22.03	34.8	PASS
Band12	5MHz	QPSK	23035	1	5	Low	22.64	1.6	22.09	34.8	PASS
Band12	5MHz	QPSK	23035	6	0	Low	21.46	1.6	20.91	34.8	PASS
Band12	5MHz	16QAM	23095	1	0	Low	22.72	1.6	22.17	34.8	PASS
Band12	5MHz	16QAM	23095	1	5	Low	22.53	1.6	21.98	34.8	PASS
Band12	5MHz	16QAM	23095	6	0	Low	21.28	1.6	20.73	34.8	PASS
Band12	5MHz	QPSK	23095	1	0	Low	22.65	1.6	22.1	34.8	PASS
Band12	5MHz	QPSK	23095	1	5	Low	22.67	1.6	22.12	34.8	PASS
Band12	5MHz	QPSK	23095	6	0	Low	21.26	1.6	20.71	34.8	PASS
Band12	5MHz	16QAM	23155	1	0	High	22.68	1.6	22.13	34.8	PASS
Band12	5MHz	16QAM	23155	1	5	High	23.11	1.6	22.56	34.8	PASS
Band12	5MHz	16QAM	23155	6	0	High	21.53	1.6	20.98	34.8	PASS
Band12	5MHz	QPSK	23155	1	0	High	22.4	1.6	21.85	34.8	PASS
Band12	5MHz	QPSK	23155	1	5	High	22.52	1.6	21.97	34.8	PASS
Band12	5MHz	QPSK	23155	6	0	High	21.52	1.6	20.97	34.8	PASS
Band12	10MHz	16QAM	23060	1	0	Low	22.7	1.6	22.15	34.8	PASS
Band12	10MHz	16QAM	23060	1	5	Low	23.06	1.6	22.51	34.8	PASS
Band12	10MHz	16QAM	23060	6	0	Low	21.48	1.6	20.93	34.8	PASS
Band12	10MHz	QPSK	23060	1	0	Low	22.63	1.6	22.08	34.8	PASS
Band12	10MHz	QPSK	23060	1	5	Low	22.66	1.6	22.11	34.8	PASS
Band12	10MHz	QPSK	23060	6	0	Low	21.47	1.6	20.92	34.8	PASS
Band12	10MHz	16QAM	23095	1	0	Low	22.81	1.6	22.26	34.8	PASS
Band12	10MHz	16QAM	23095	1	5	Low	22.62	1.6	22.07	34.8	PASS
Band12	10MHz	16QAM	23095	6	0	Low	21.34	1.6	20.79	34.8	PASS
Band12	10MHz	QPSK	23095	1	0	Low	22.7	1.6	22.15	34.8	PASS
Band12	10MHz	QPSK	23095	1	5	Low	22.81	1.6	22.26	34.8	PASS
Band12	10MHz	QPSK	23095	6	0	Low	21.33	1.6	20.78	34.8	PASS
Band12	10MHz	16QAM	23130	1	0	High	22.65	1.6	22.1	34.8	PASS
Band12	10MHz	16QAM	23130	1	5	High	23.18	1.6	22.63	34.8	PASS
Band12	10MHz	16QAM	23130	6	0	High	21.6	1.6	21.05	34.8	PASS
Band12	10MHz	QPSK	23130	1	0	High	22.38	1.6	21.83	34.8	PASS
Band12	10MHz	QPSK	23130	1	5	High	22.5	1.6	21.95	34.8	PASS
Band12	10MHz	QPSK	23130	6	0	High	21.6	1.6	21.05	34.8	PASS

Peak-to-Average Ratio(CCDF) for M1

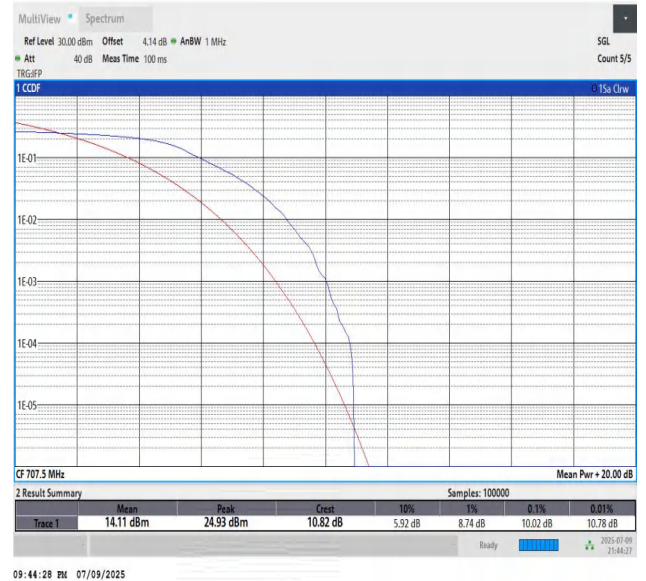
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	16QAM	23095	6	0	Low	10.02	<=13	PASS
Band12	1.4MHz	QPSK	23095	6	0	Low	10.02	<=13	PASS
Band12	3MHz	16QAM	23095	6	0	Low	10.06	<=13	PASS
Band12	3MHz	QPSK	23095	6	0	Low	9.00	<=13	PASS
Band12	5MHz	16QAM	23095	6	0	Low	9.60	<=13	PASS
Band12	5MHz	QPSK	23095	6	0	Low	9.64	<=13	PASS
Band12	10MHz	16QAM	23095	6	0	Low	9.58	<=13	PASS
Band12	10MHz	QPSK	23095	6	0	Low	9.60	<=13	PASS

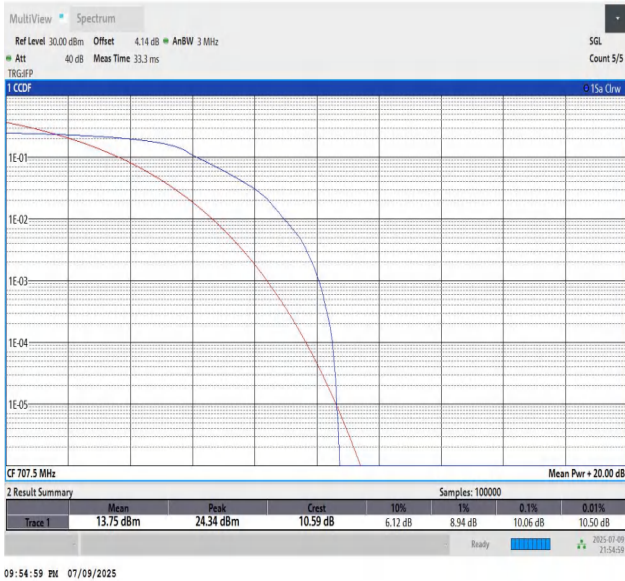
Test Graphs



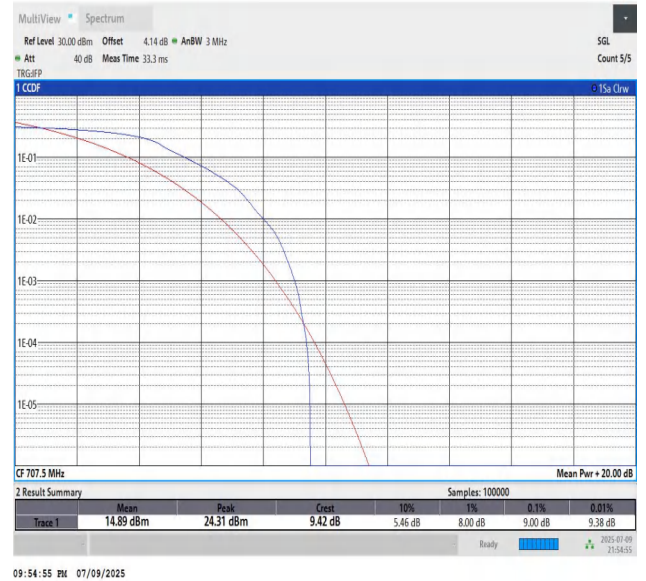
Band12-1.4MHz-16QAM-23095-6#0-PASS



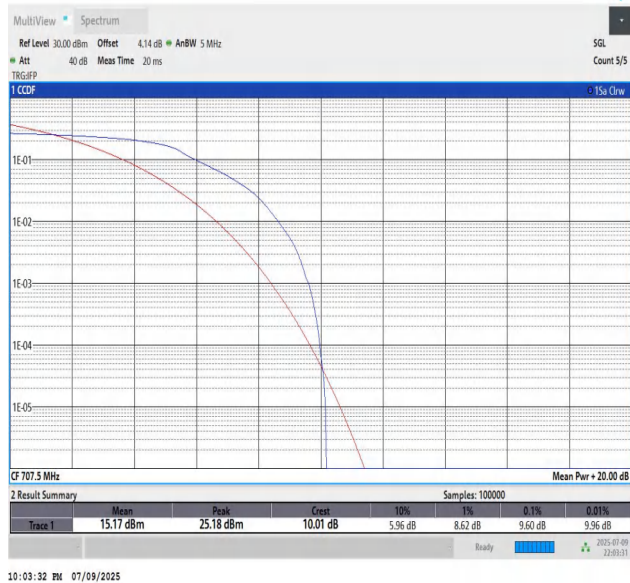
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Band12-3MHz-16QAM-23095-6#0-PASS

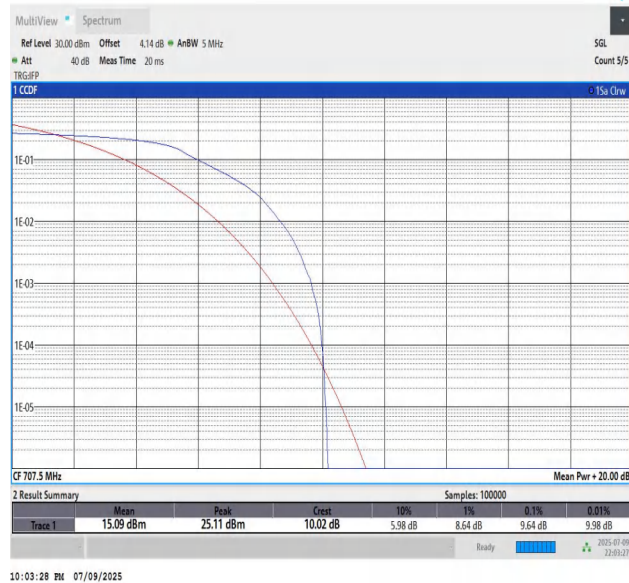


Band12-3MHz-QPSK-23095-6#0-PASS



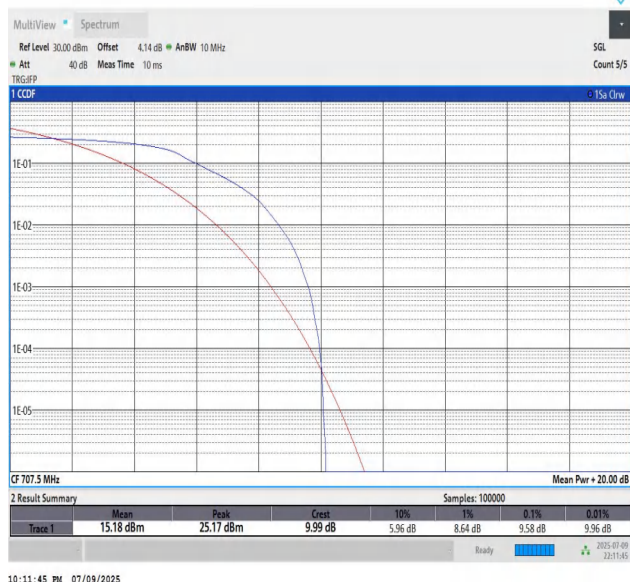
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Band12-5MHz-16QAM-23095-6#0-PASS



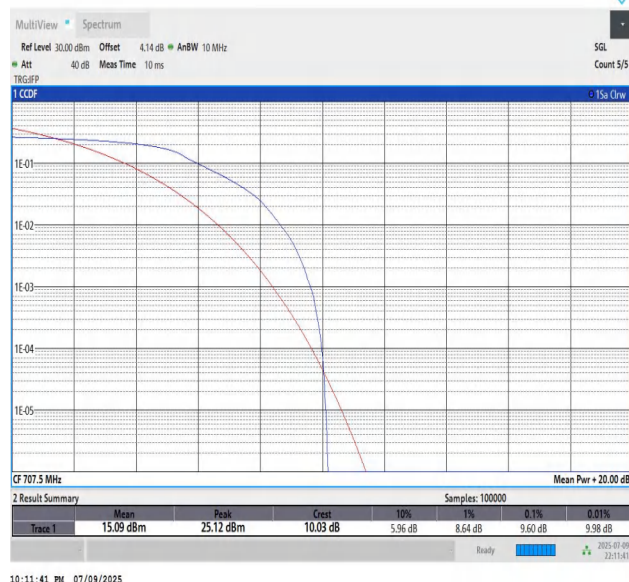
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Band12-5MHz-QPSK-23095-6#0-PASS



10:11:45 PM 07/09/2025

Band12-10MHz-16QAM-23095-6#0-PASS



10:11:41 PM 07/09/2025

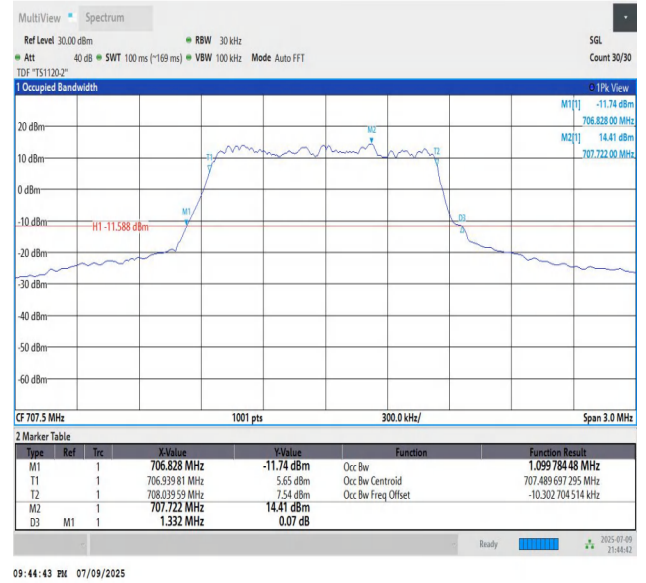
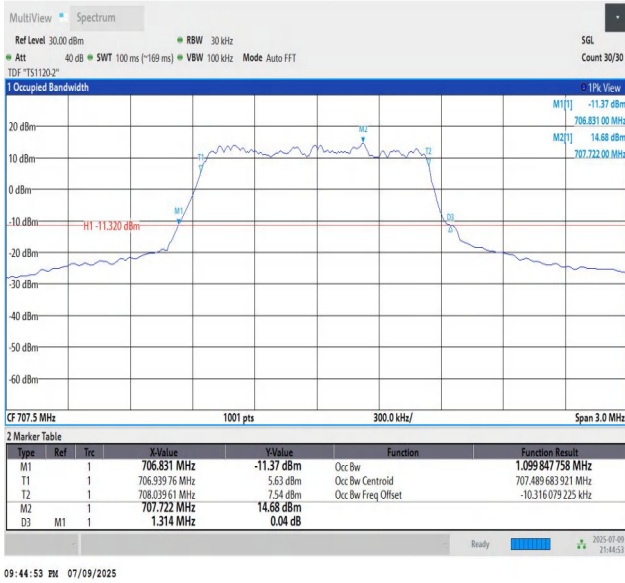
Band12-10MHz-QPSK-23095-6#0-PASS

26dB Bandwidth and Occupied Bandwidth for M1

Test Result

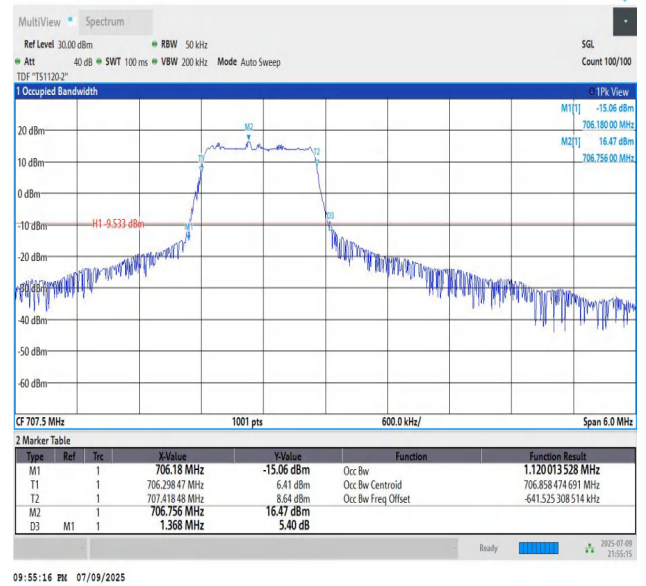
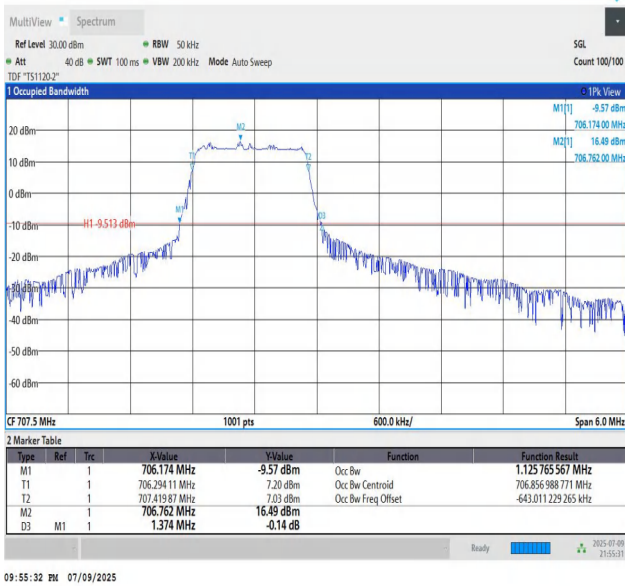
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	16QAM	23095	6	0	Low	1.1	1.314	PASS
Band12	1.4MHz	QPSK	23095	6	0	Low	1.1	1.332	PASS
Band12	3MHz	16QAM	23095	6	0	Low	1.126	1.374	PASS
Band12	3MHz	QPSK	23095	6	0	Low	1.12	1.368	PASS
Band12	5MHz	16QAM	23095	6	0	Low	1.181	1.440	PASS
Band12	5MHz	QPSK	23095	6	0	Low	1.189	1.440	PASS
Band12	10MHz	16QAM	23095	6	0	Low	1.33	1.940	PASS
Band12	10MHz	QPSK	23095	6	0	Low	1.323	2.040	PASS

Test Graphs



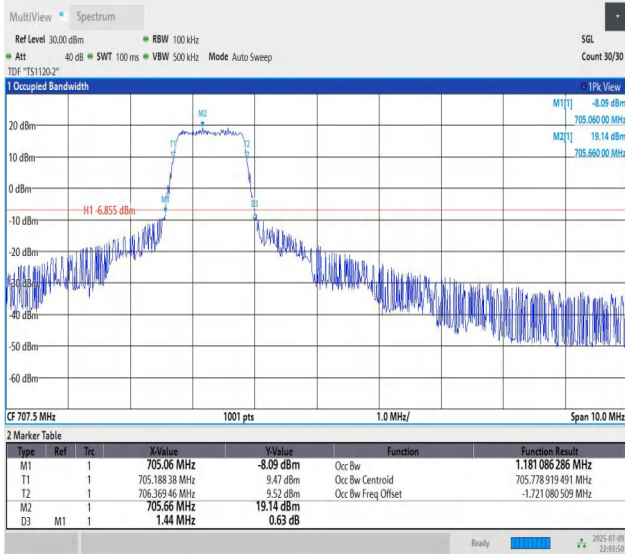
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Band12-1.4MHz-QPSK-23095-6#0-PASS



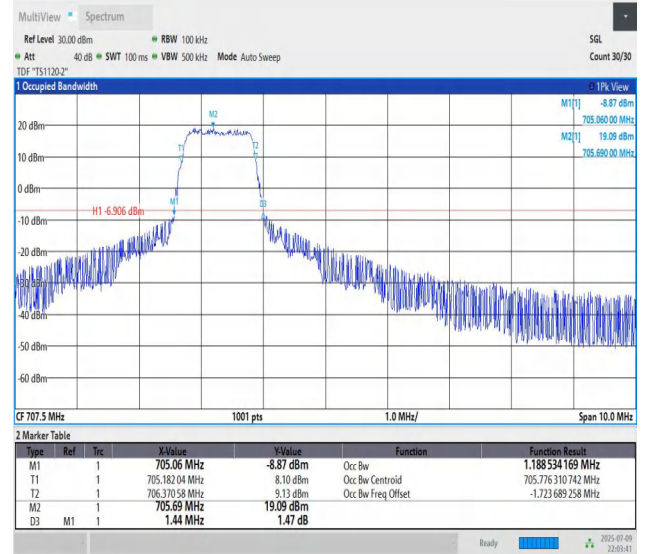
Band12-3MHz-16QAM-23095-6#0-PASS

Band12-3MHz-QPSK-23095-6#0-PASS



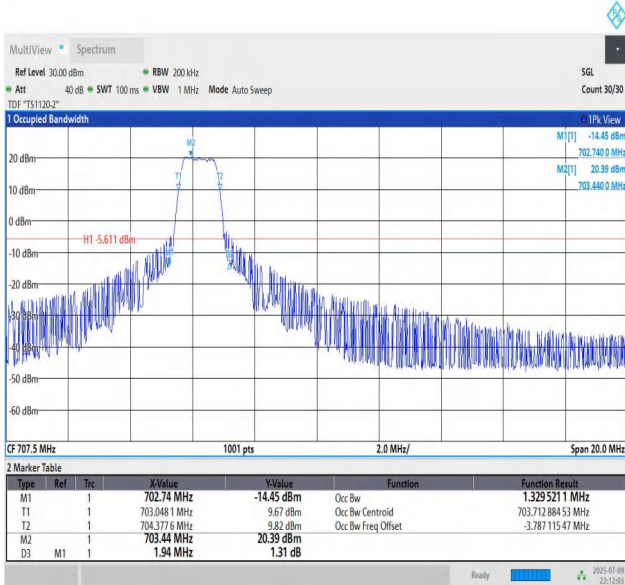
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Band12-5MHz-16QAM-23095-6#0-PASS



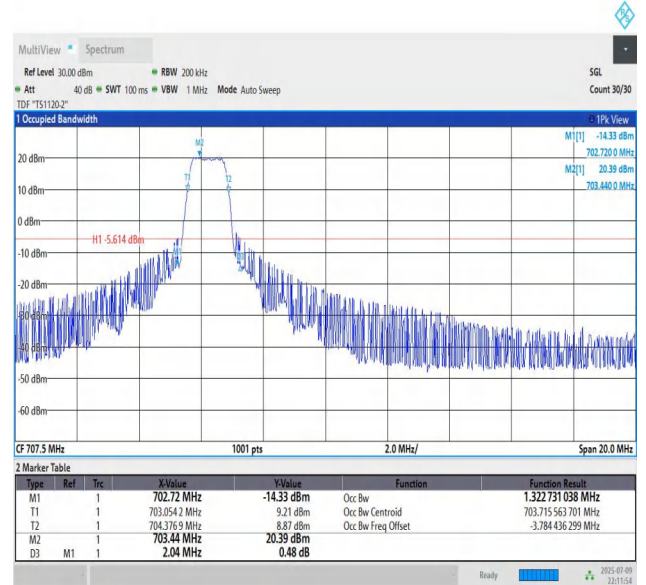
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Band12-5MHz-QPSK-23095-6#0-PASS



10:12:03 PM 07/09/2025

Band12-10MHz-16QAM-23095-6#0-PASS

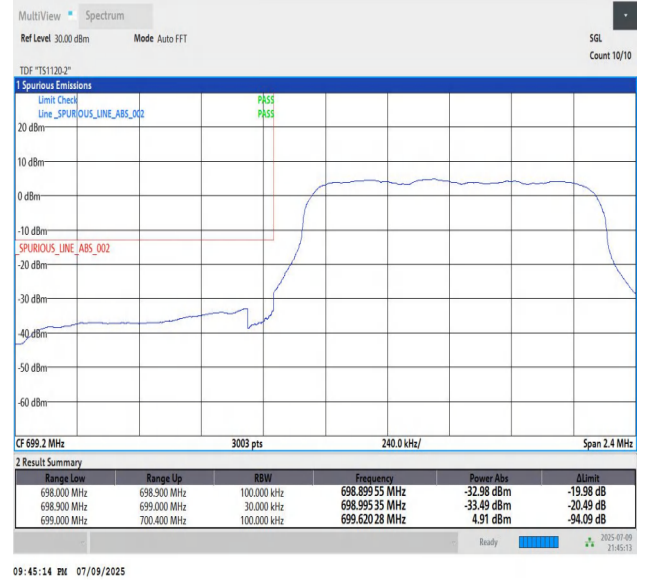
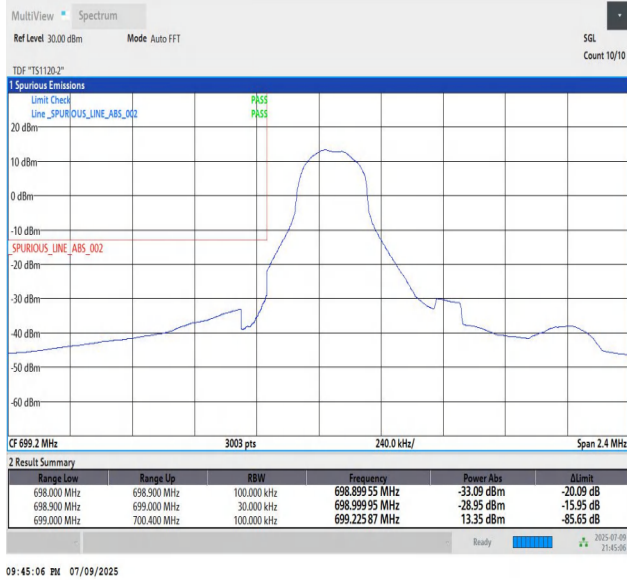


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Band12-10MHz-QPSK-23095-6#0-PASS

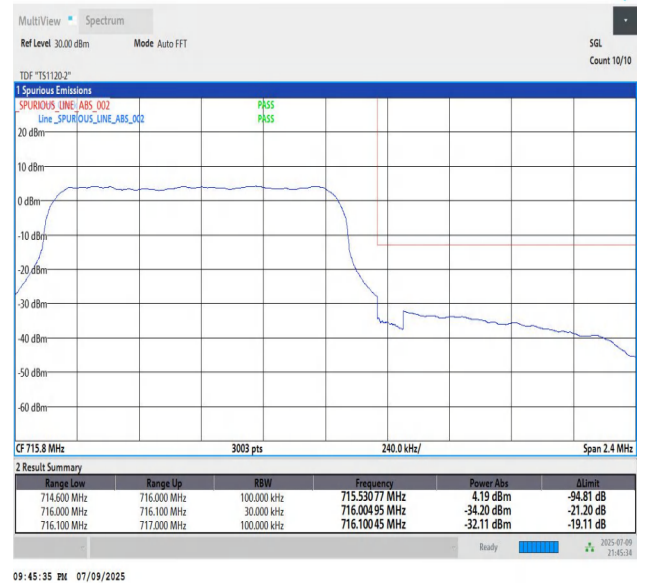
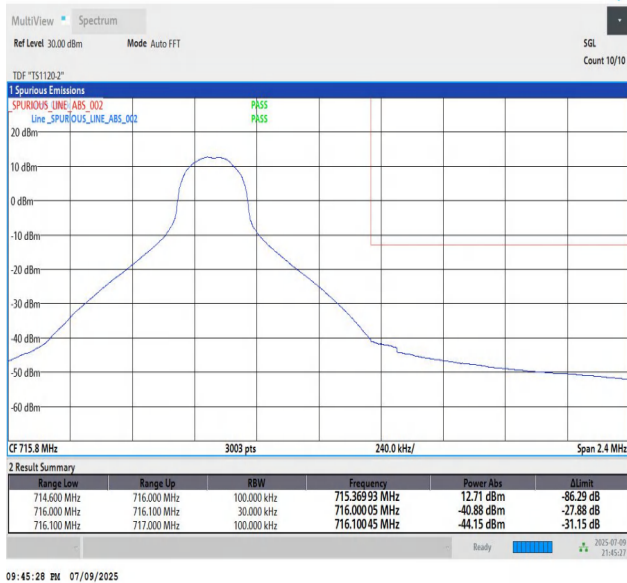
Band Edge for M1

Test Graphs



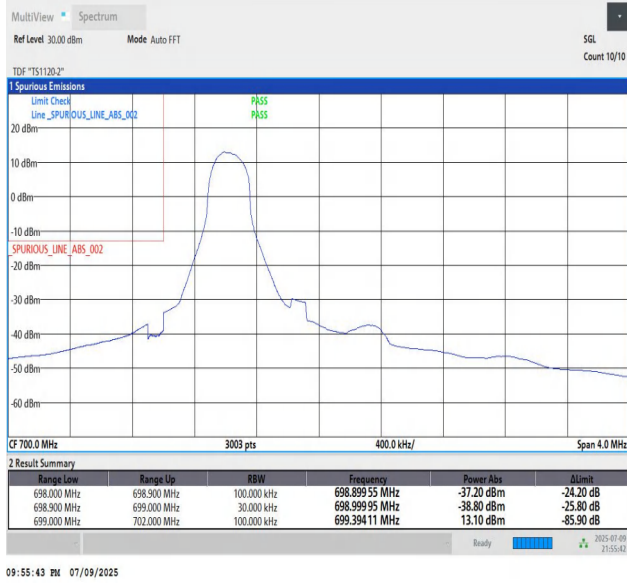
Band12-1.4MHz-QPSK-23017-1#0-PASS

Band12-1.4MHz-QPSK-23017-6#0-PASS

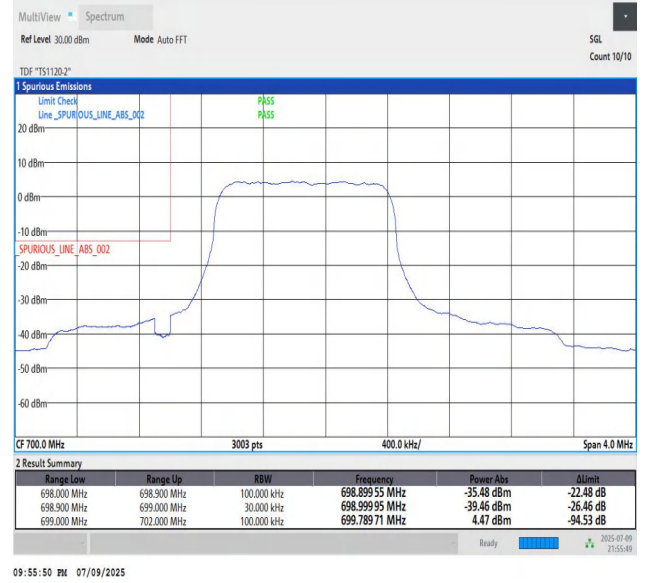


Band12-1.4MHz-QPSK-23173-1#5-PASS

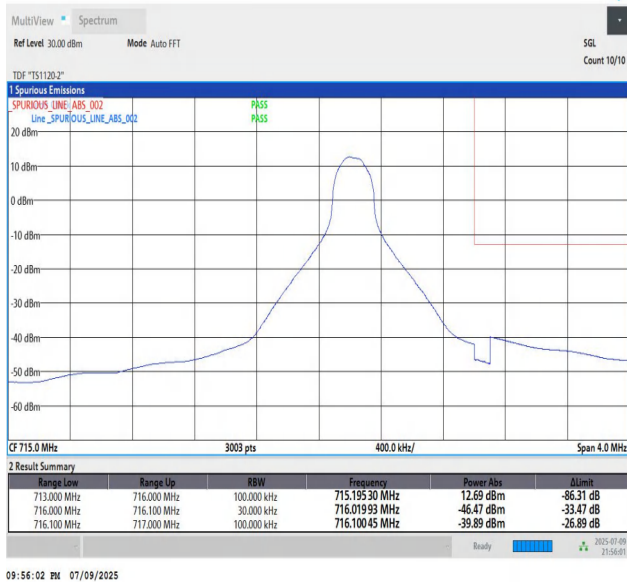
Band12-1.4MHz-QPSK-23173-6#0-PASS



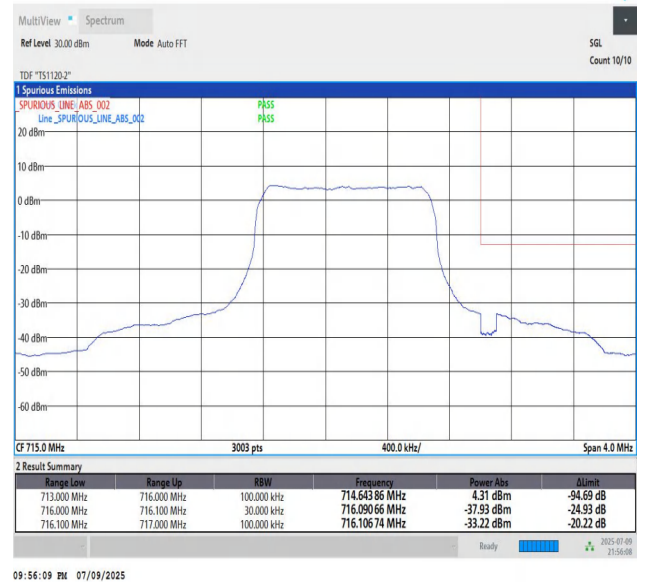
Band12-3MHz-QPSK-23025-1#0-PASS



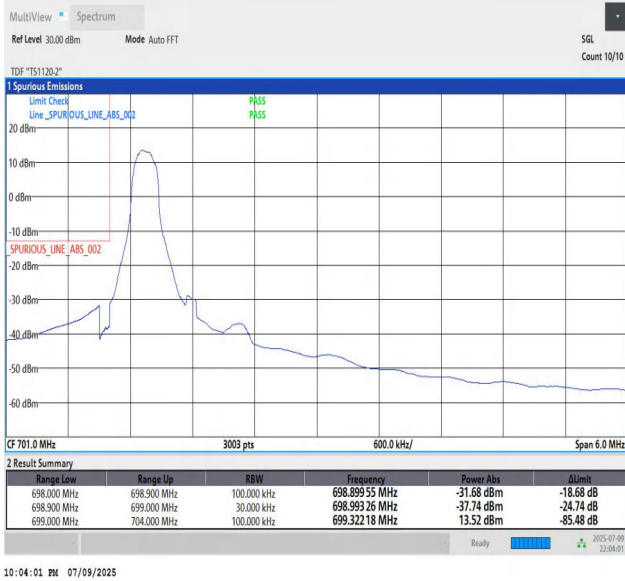
Band12-3MHz-QPSK-23025-6#0-PASS



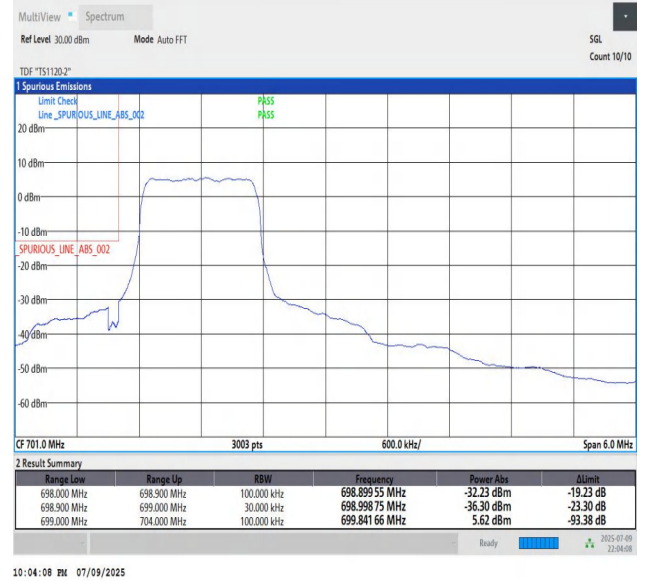
Band12-3MHz-QPSK-23165-1#5-PASS



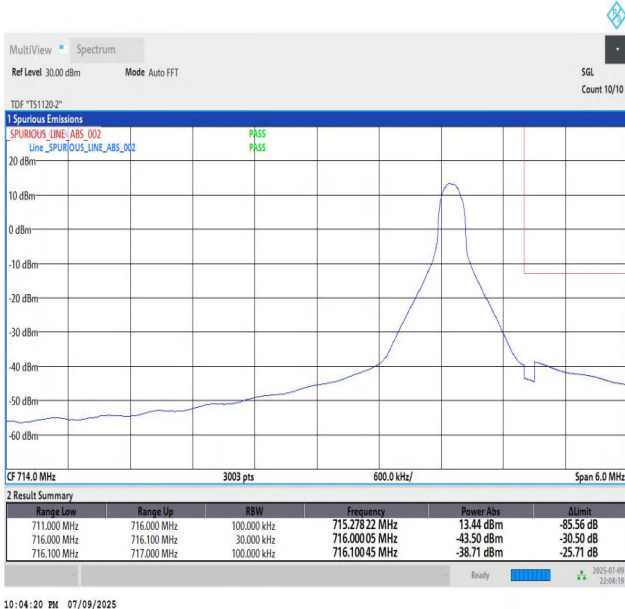
Band12-3MHz-QPSK-23165-6#0-PASS



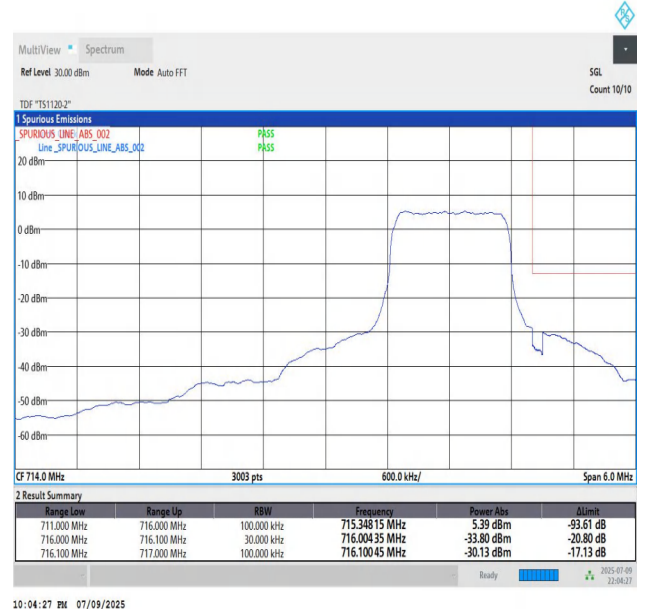
Band12-5MHz-QPSK-23035-1#0-PASS



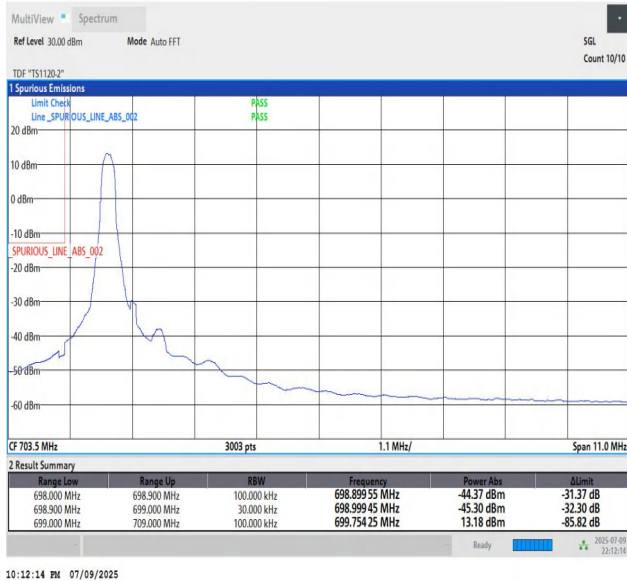
Band12-5MHz-QPSK-23035-6#0-PASS



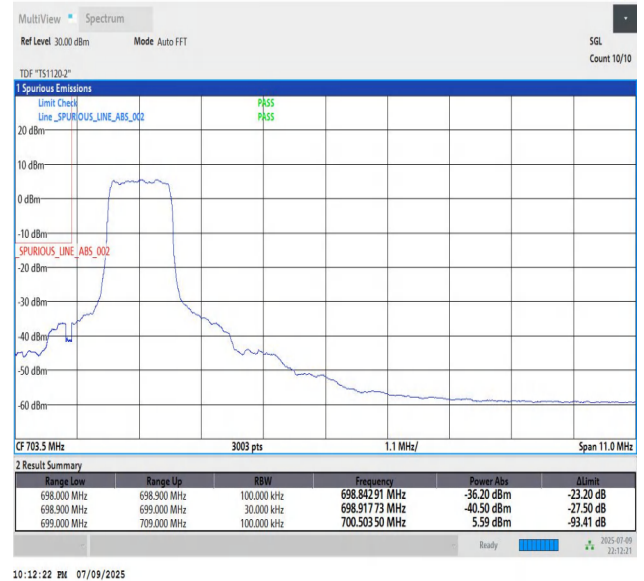
Band12-5MHz-QPSK-23155-1#5-PASS



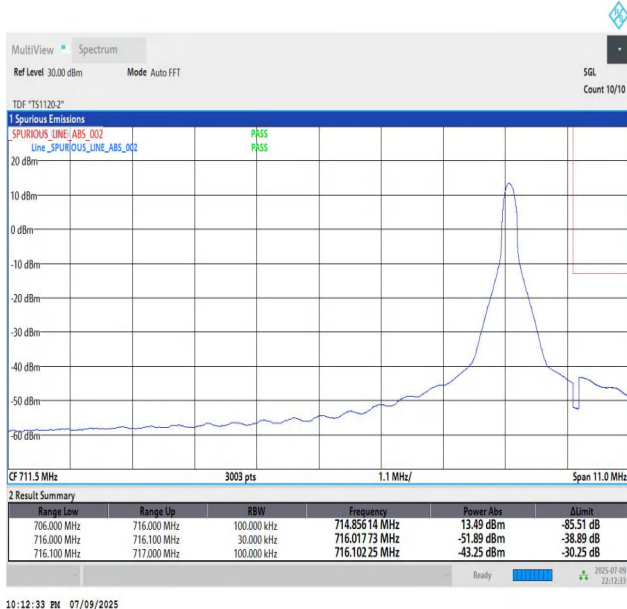
Band12-5MHz-QPSK-23155-6#0-PASS



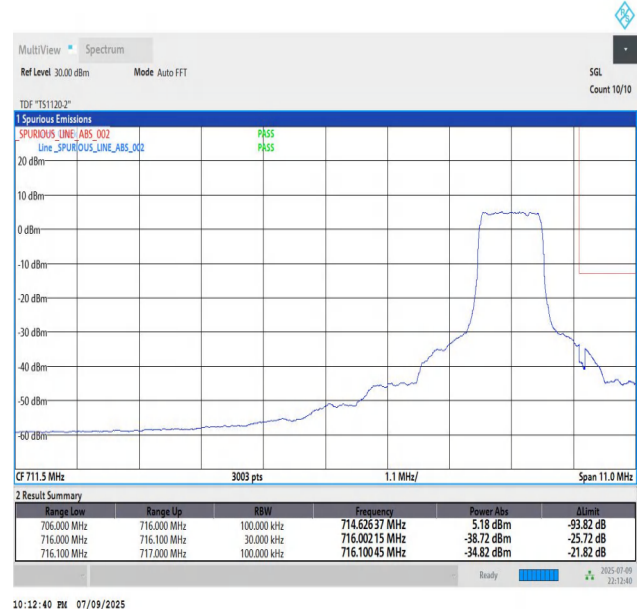
Band12-10MHz-QPSK-23060-1#0-PASS



Band12-10MHz-QPSK-23060-6#0-PASS



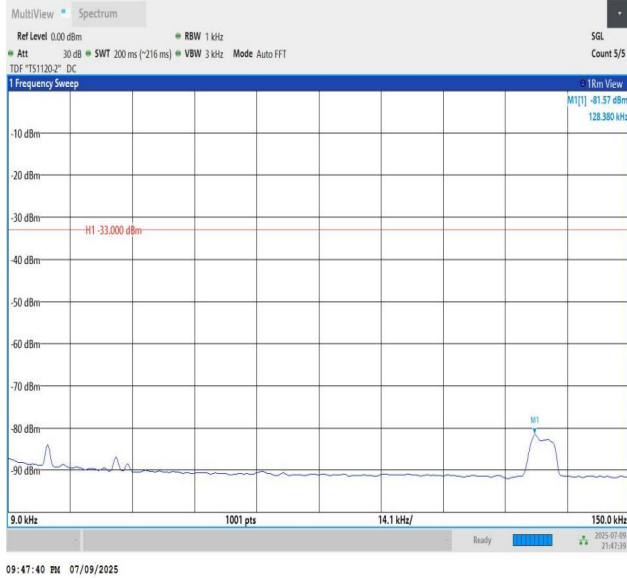
Band12-10MHz-QPSK-23130-1#5-PASS



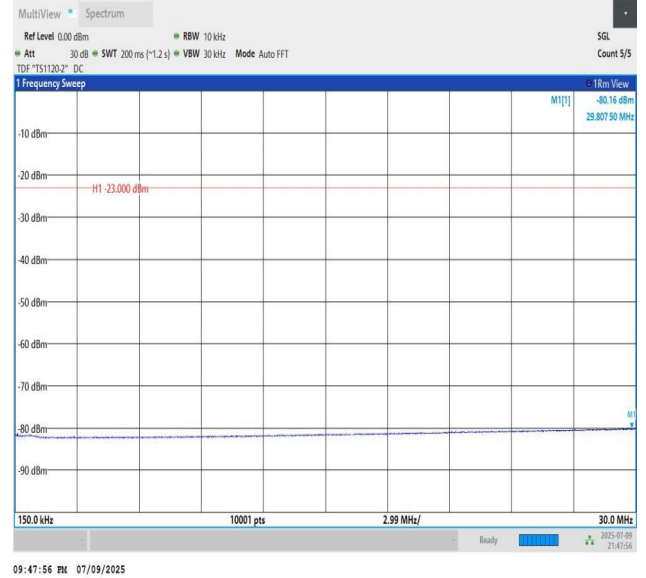
Band12-10MHz-QPSK-23130-6#0-PASS

Conducted Spurious Emission for M1

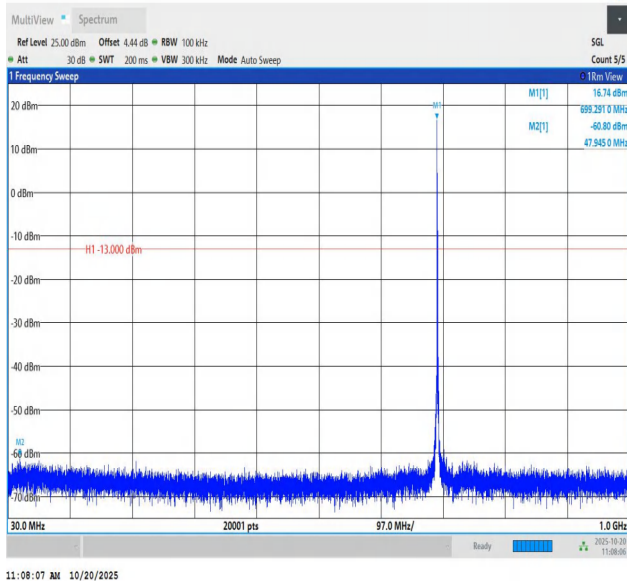
Test Graphs



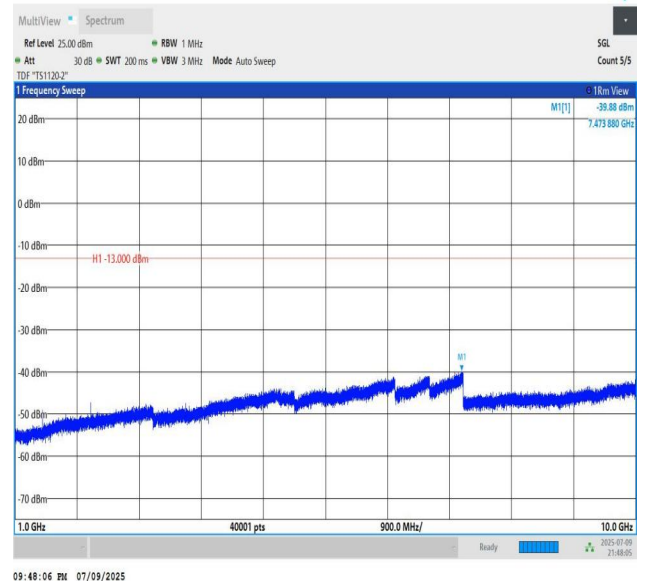
Band12-1.4MHz-QPSK-23017-1#0-0.009-0.15-PASS



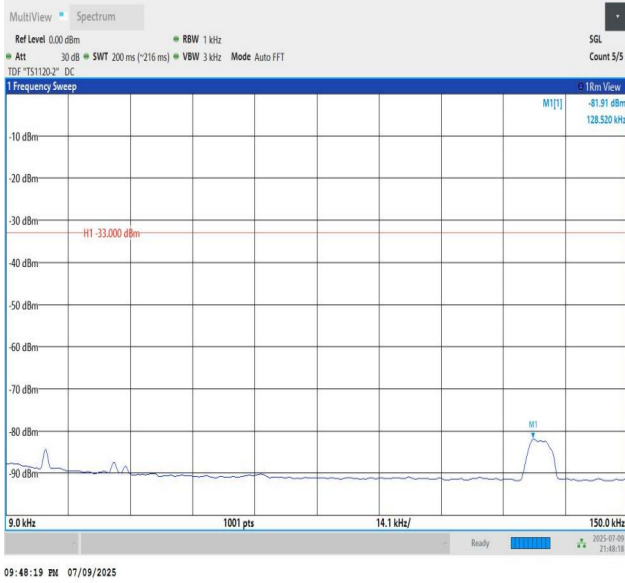
Band12-1.4MHz-QPSK-23017-1#0-0.15-30-PASS



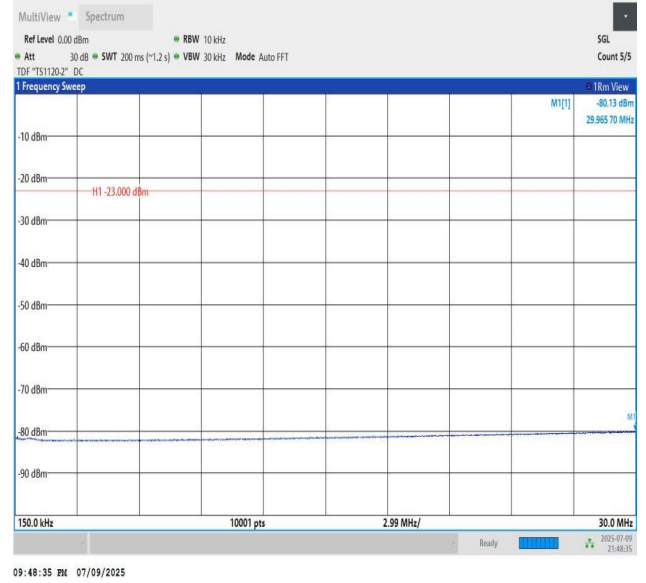
Band12-1.4MHz-QPSK-23017-1#0-30-1000-PASS



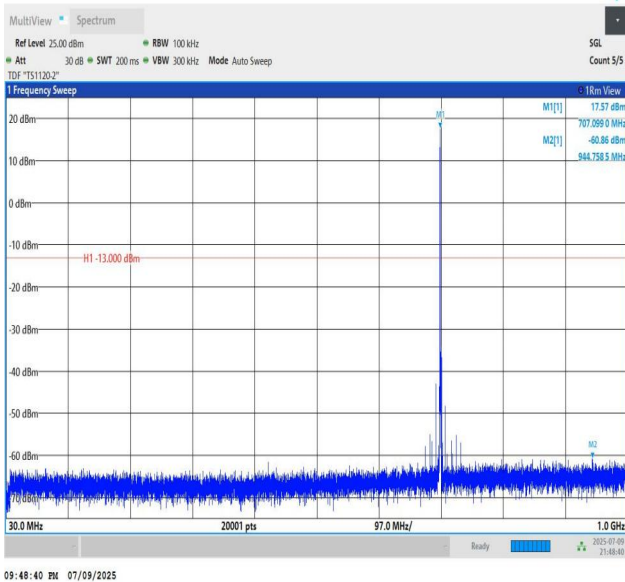
Band12-1.4MHz-QPSK-23017-1#0-1000-10000-PASS



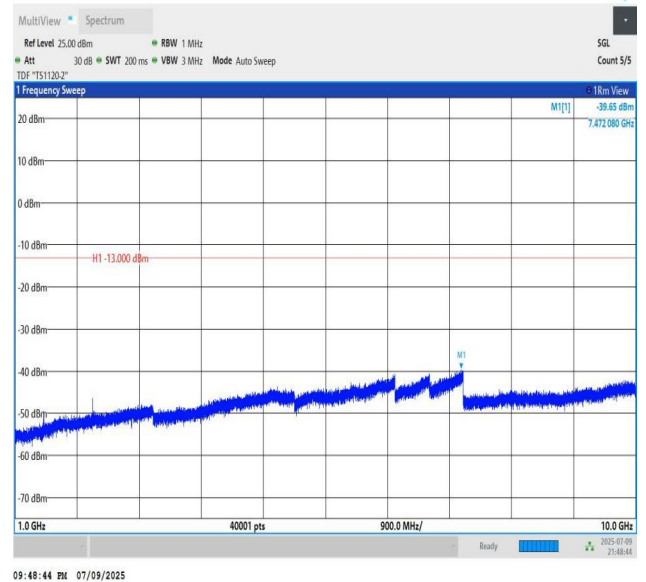
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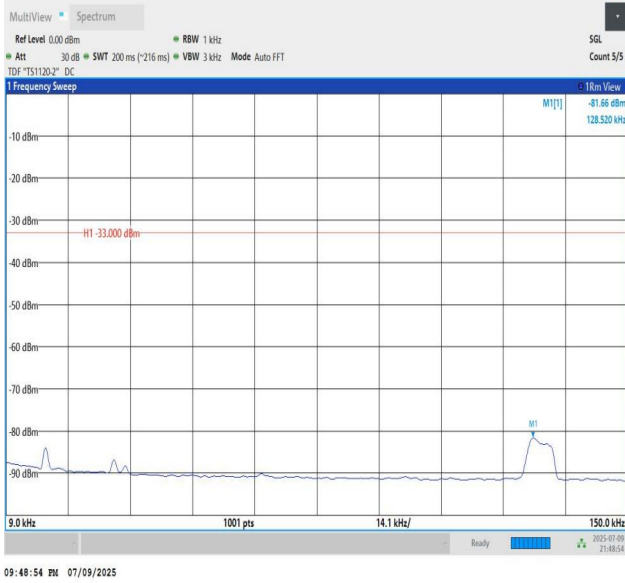
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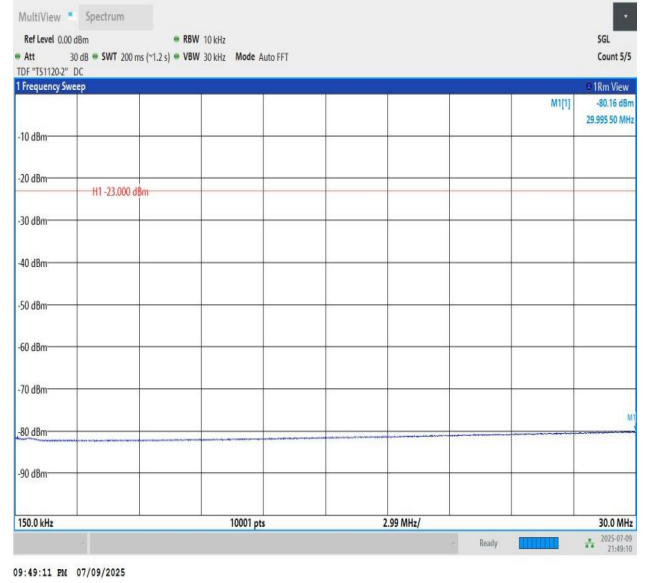
Band12-1.4MHz-QPSK-23095-1#0-30-1000-PASS



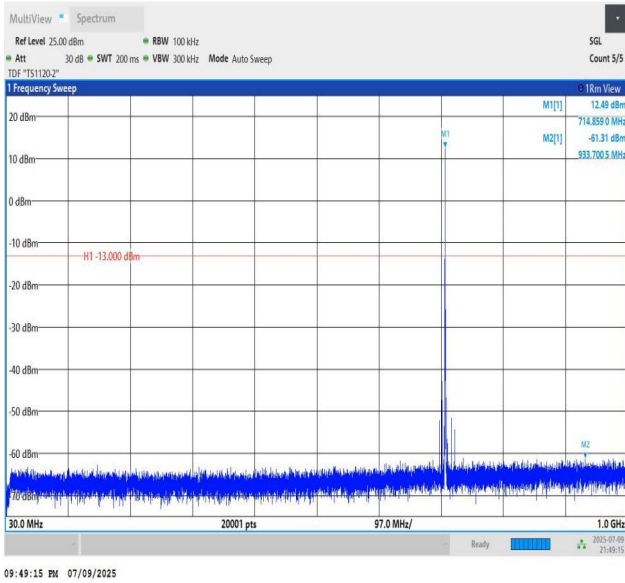
Band12-1.4MHz-QPSK-23095-1#0-1000-10000-PASS



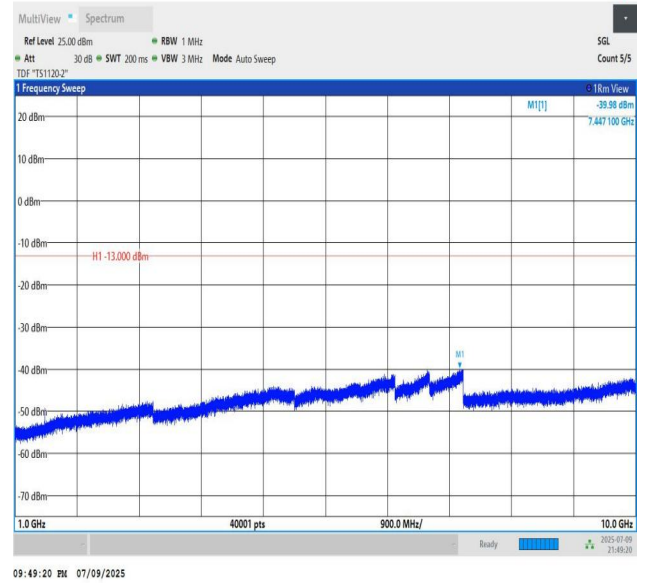
Band12-1.4MHz-QPSK-23173-1#0-0.009-0.15-PASS



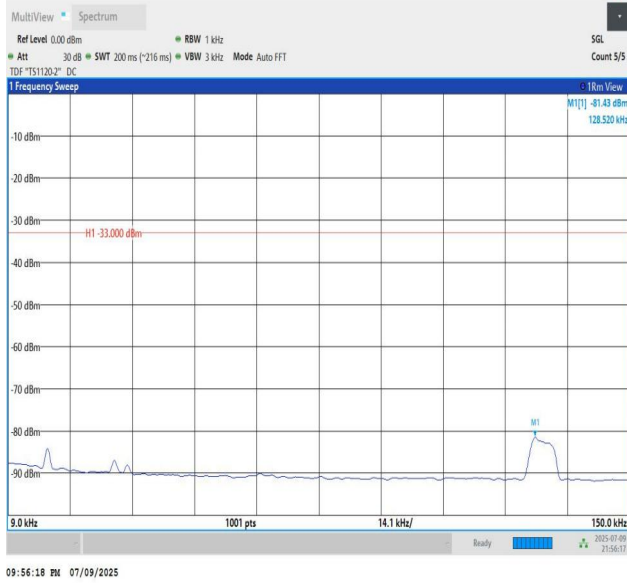
Band12-1.4MHz-QPSK-23173-1#0-0.15-30-PASS



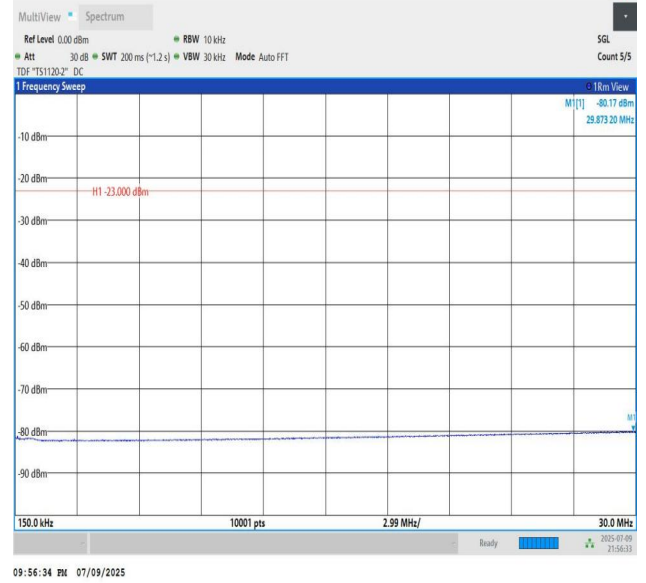
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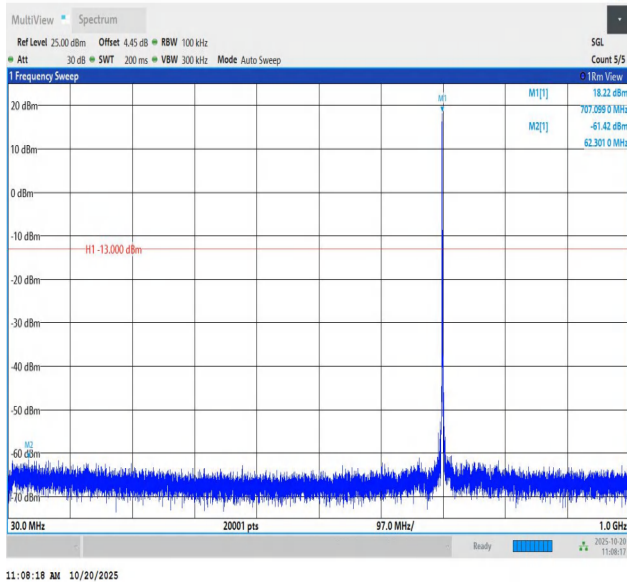
Band12-1.4MHz-QPSK-23173-1#0-1000-10000-PASS



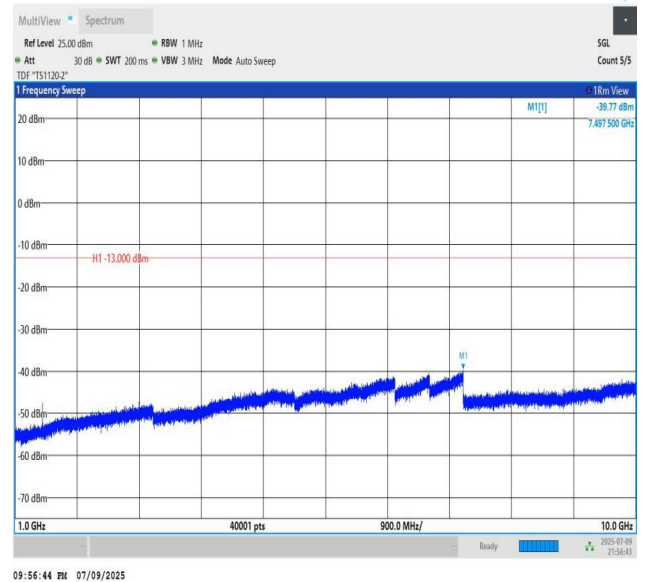
Band12-3MHz-QPSK-23025-1#0-0.009-0.15-PASS



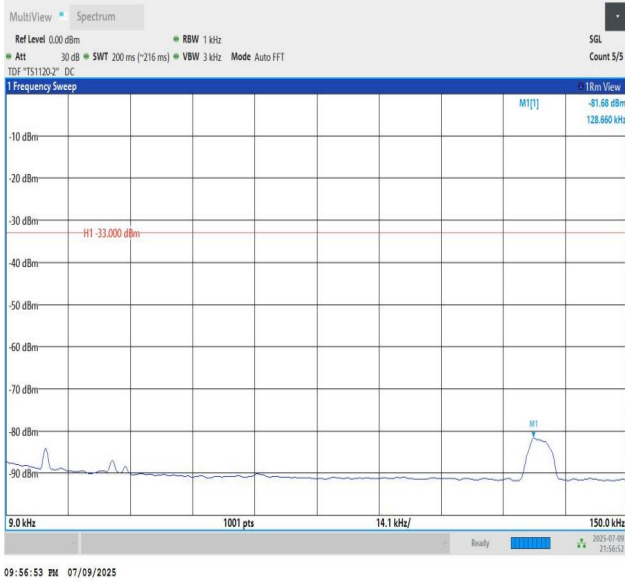
Band12-3MHz-QPSK-23025-1#0-0.15-30-PASS



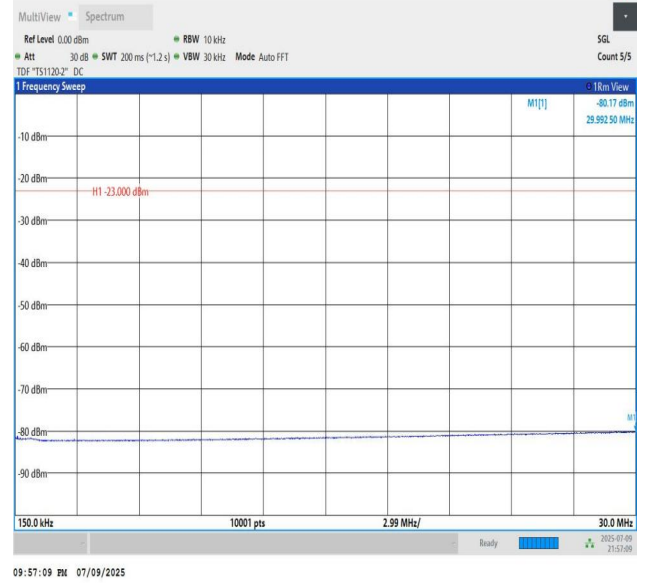
Band12-3MHz-QPSK-23025-1#0-30-1000-PASS



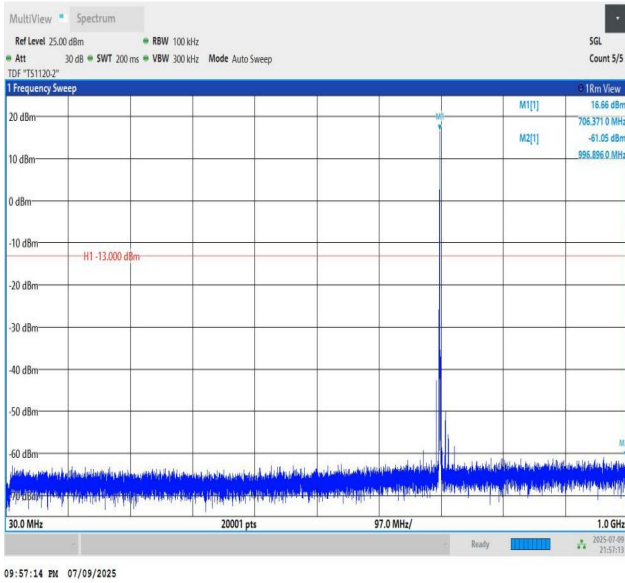
Band12-3MHz-QPSK-23025-1#0-1000-10000-PASS



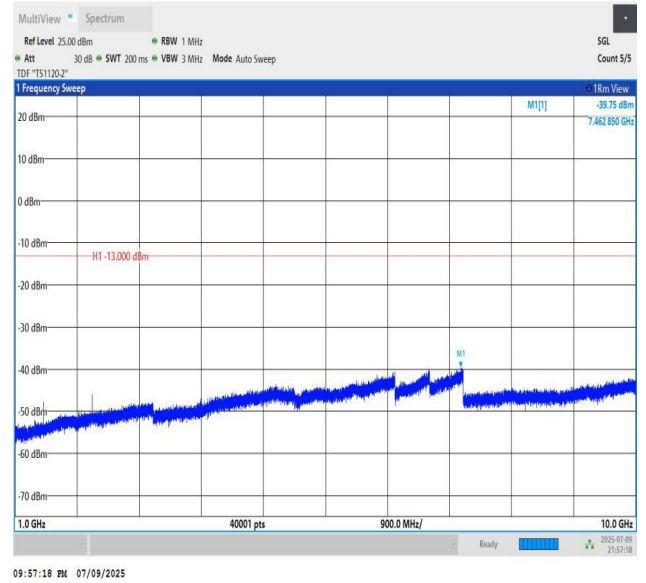
Band12-3MHz-QPSK-23095-1#0-0.009-0.15-PASS



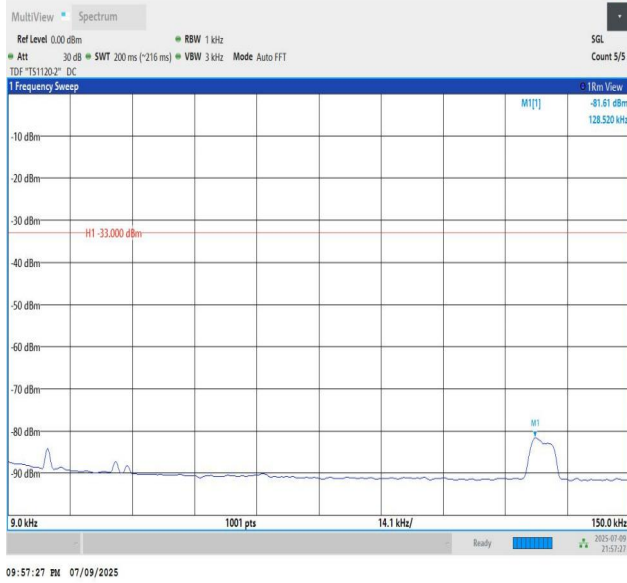
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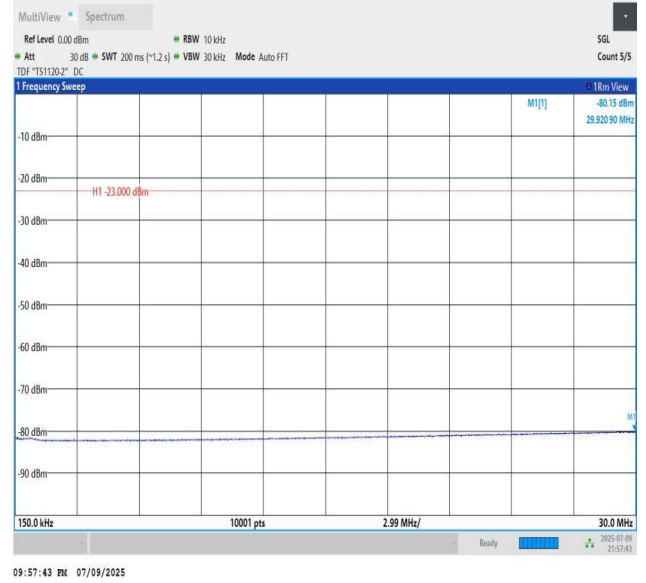
Band12-3MHz-QPSK-23095-1#0-30-1000-PASS



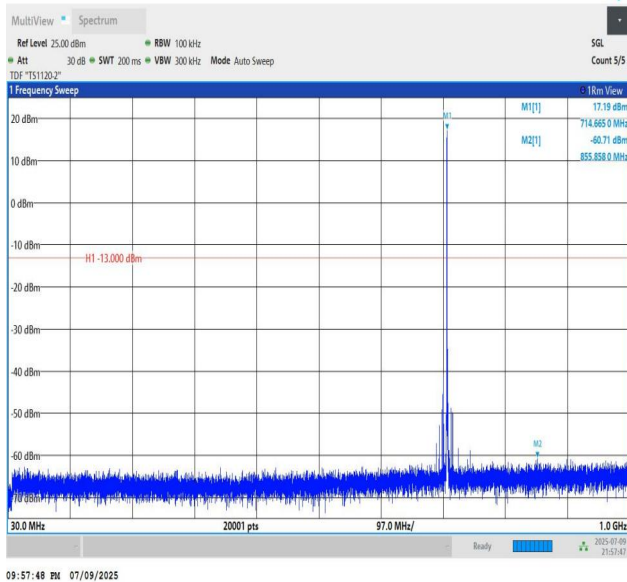
Band12-3MHz-QPSK-23095-1#0-1000-10000-PASS



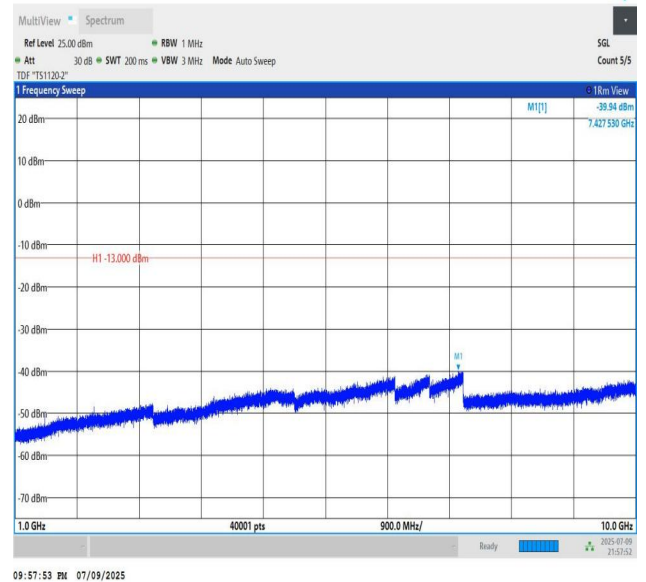
Band12-3MHz-QPSK-23165-1#0-0.009-0.15-PASS



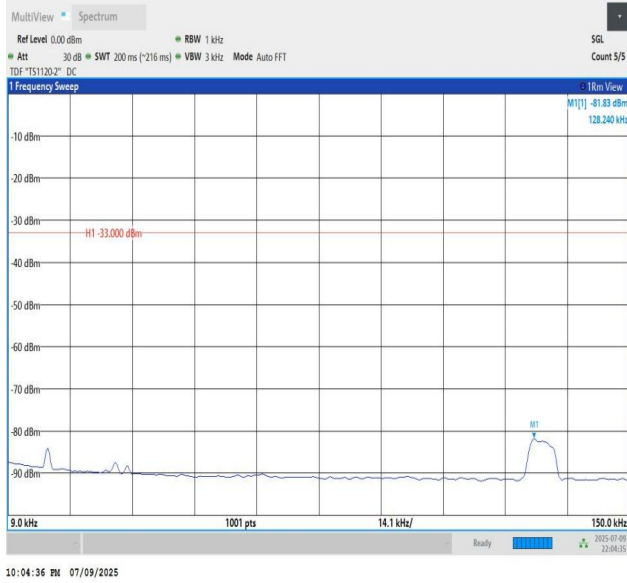
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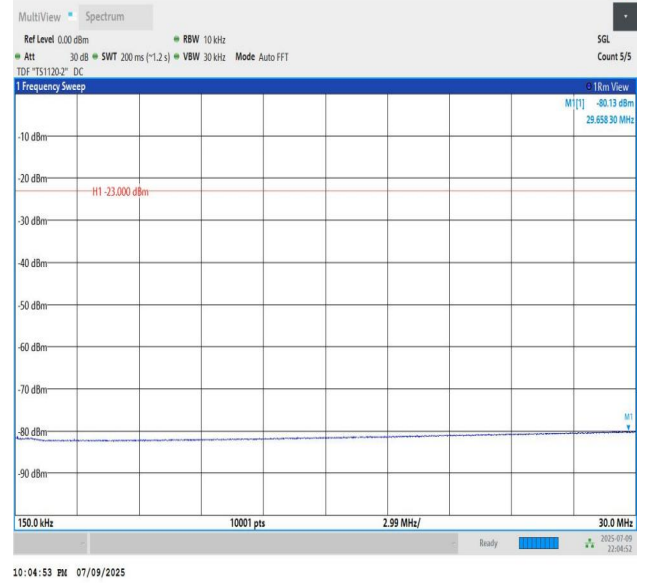
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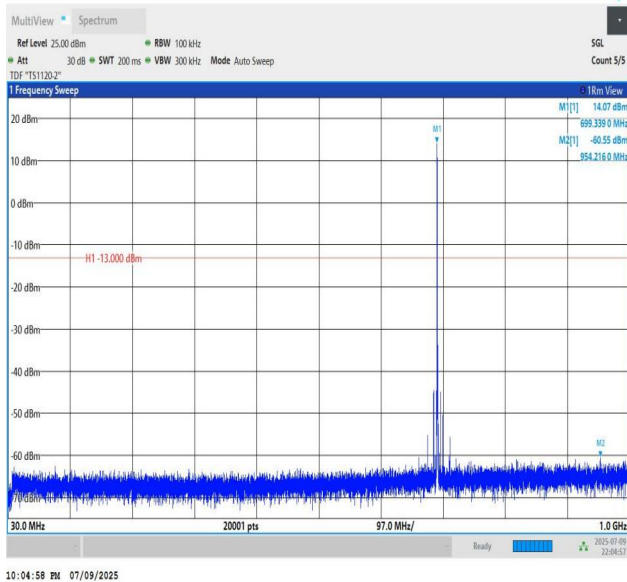
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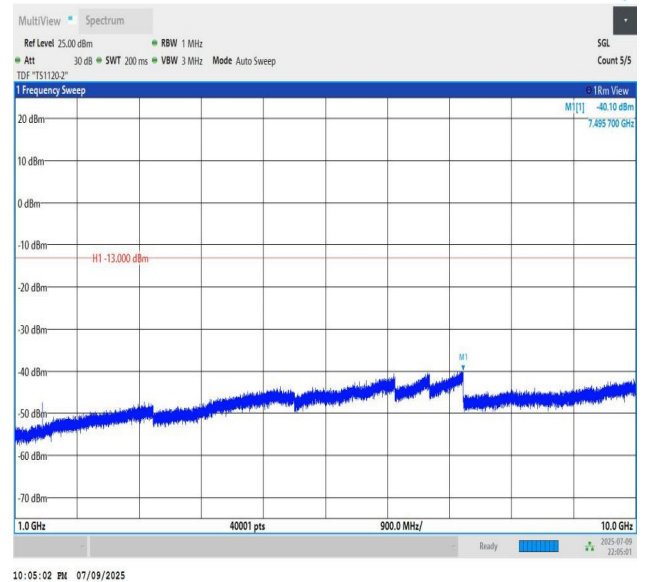
Band12-5MHz-QPSK-23035-1#0-0.009-0.15-PASS



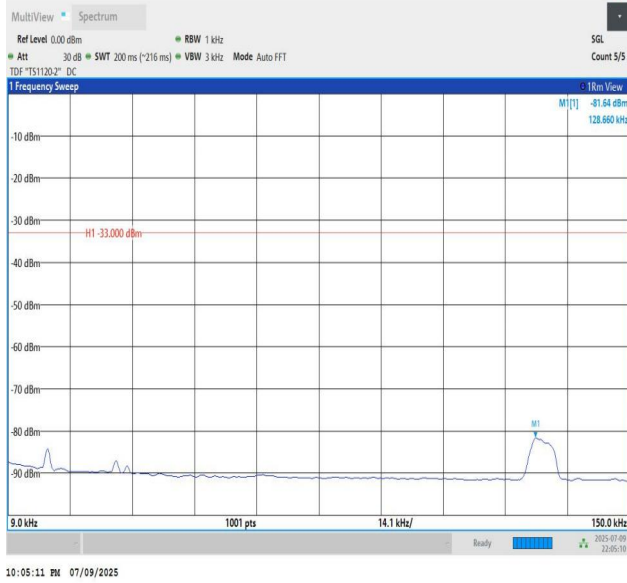
Band12-5MHz-QPSK-23035-1#0-0.15-30-PASS



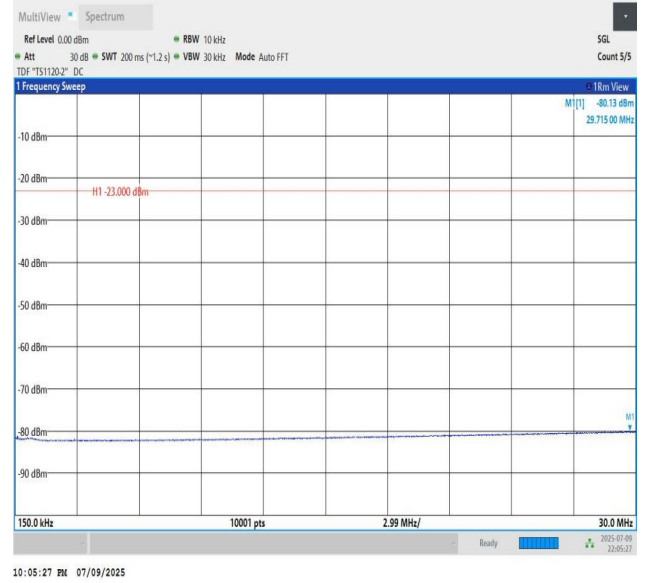
Band12-5MHz-QPSK-23035-1#0-30-1000-PASS



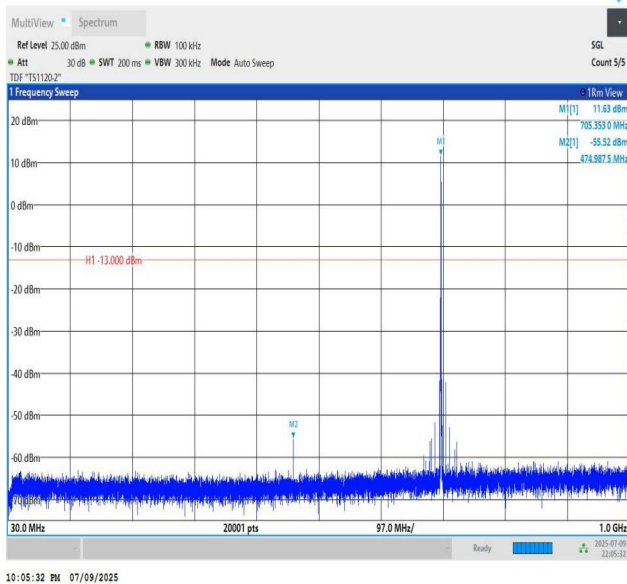
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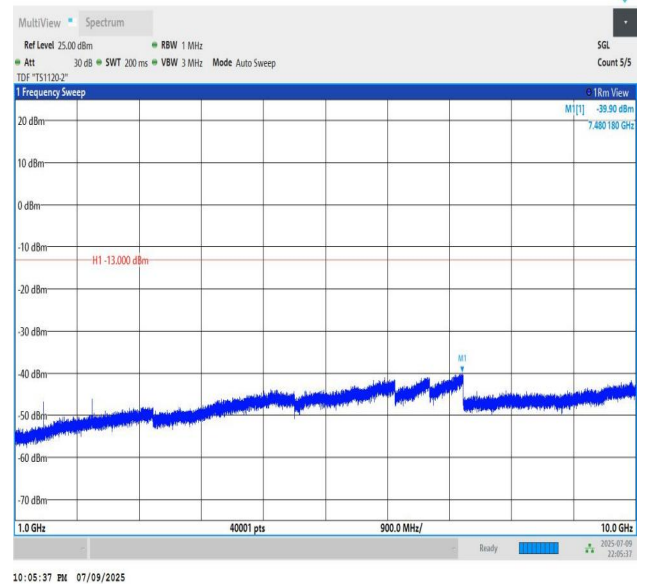
Band12-5MHz-QPSK-23095-1#0-0.009-0.15-PASS



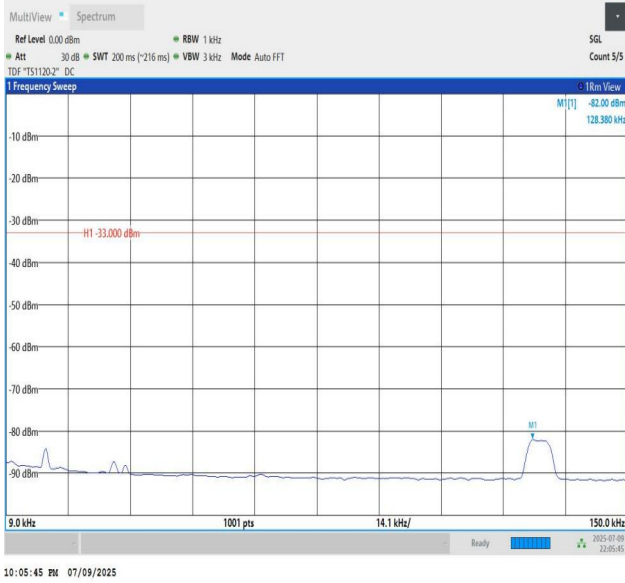
Band12-5MHz-QPSK-23095-1#0-0.15-30-PASS



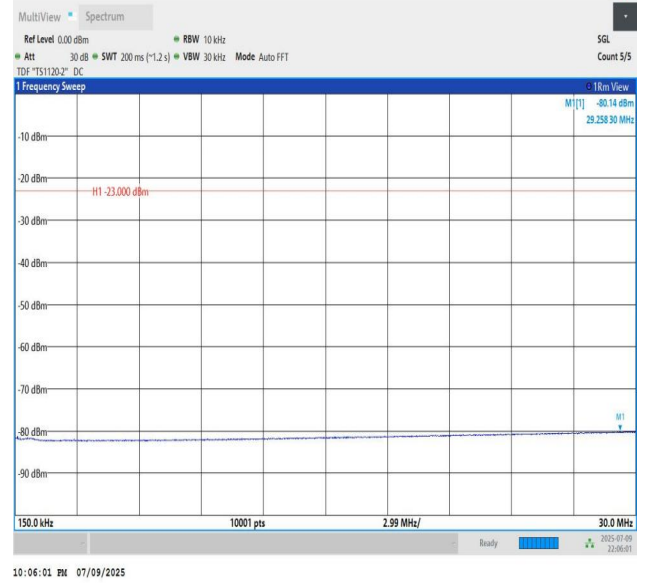
Band12-5MHz-QPSK-23095-1#0-30-1000-PASS



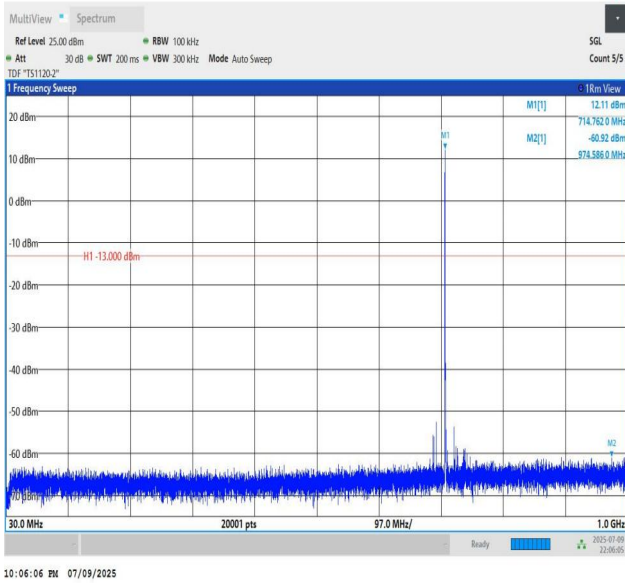
Band12-5MHz-QPSK-23095-1#0-1000-10000-PASS



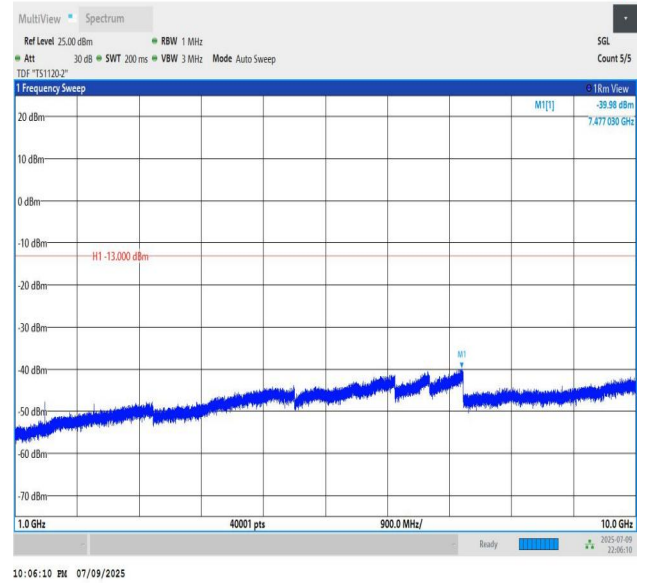
Band12-5MHz-QPSK-23155-1#0-0.009-0.15-PASS



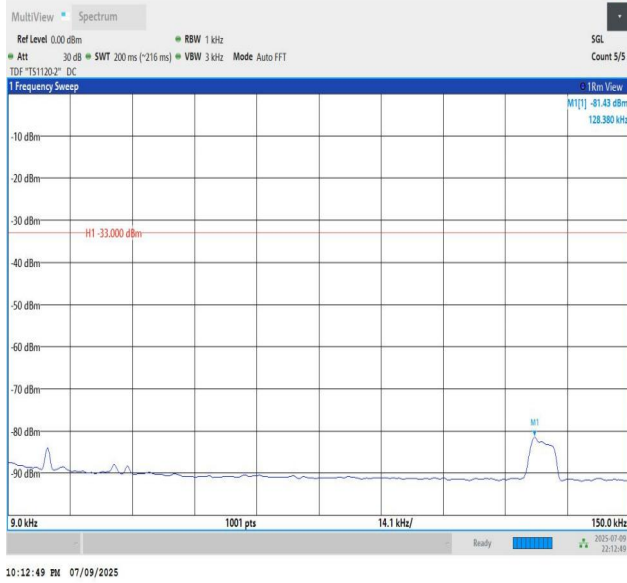
Band12-5MHz-QPSK-23155-1#0-0.15-30-PASS



Band12-5MHz-QPSK-23155-1#0-30-1000-PASS

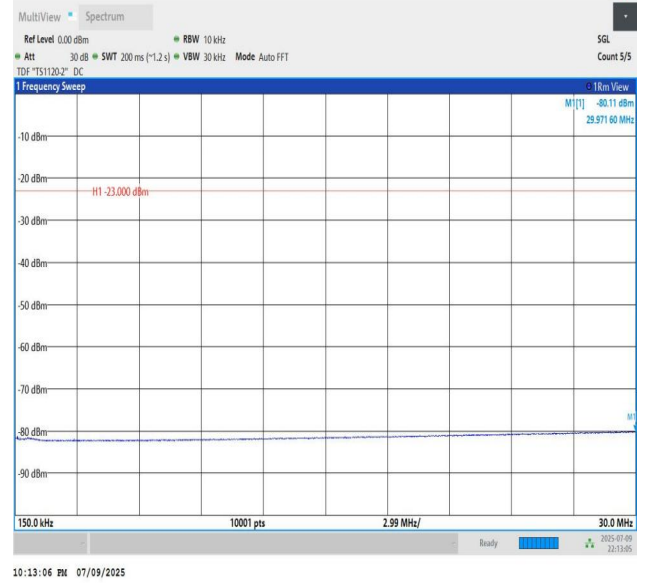


Band12-5MHz-QPSK-23155-1#0-1000-10000-PASS



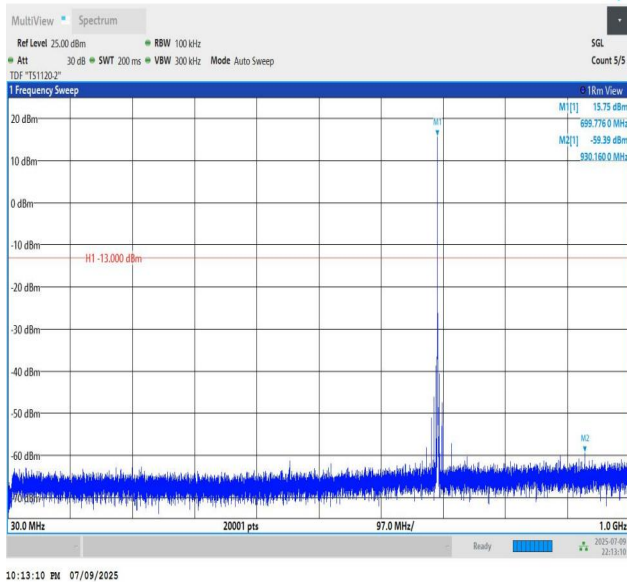
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Band12-10MHz-QPSK-23060-1#0-0.009-0.15-PASS



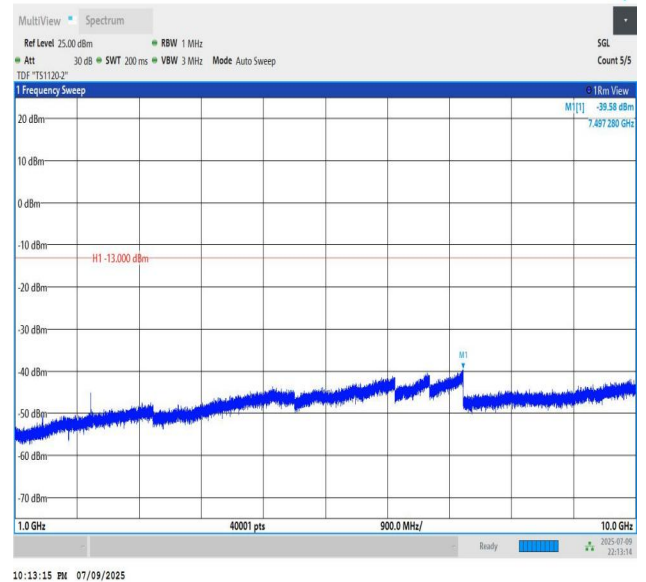
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Band12-10MHz-QPSK-23060-1#0-0.15-30-PASS



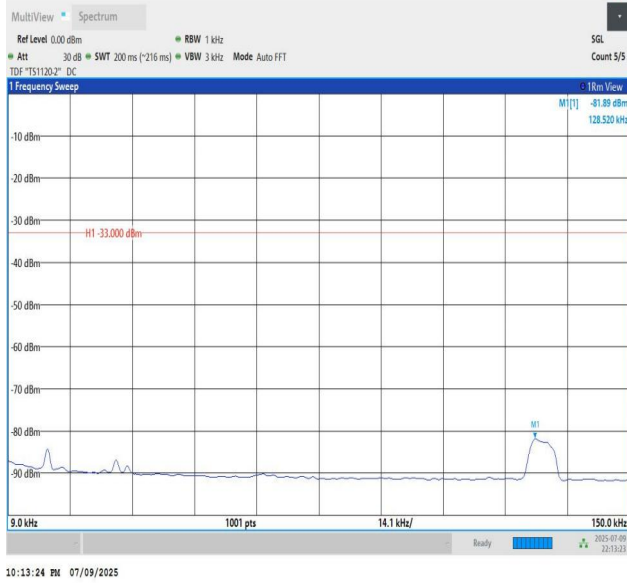
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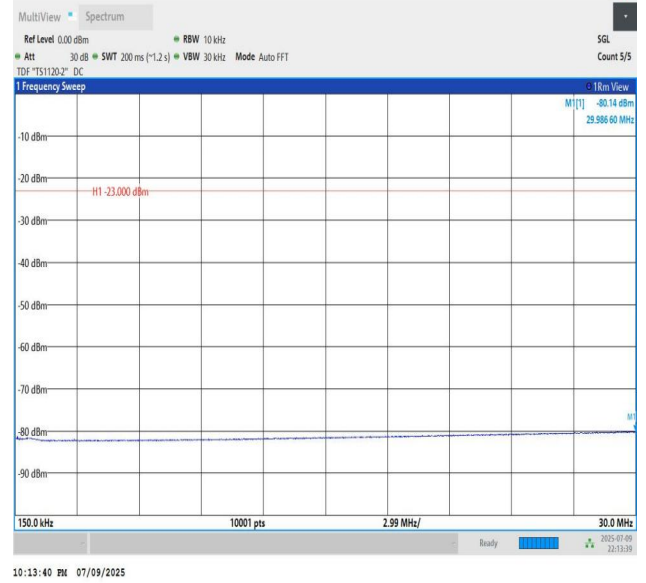


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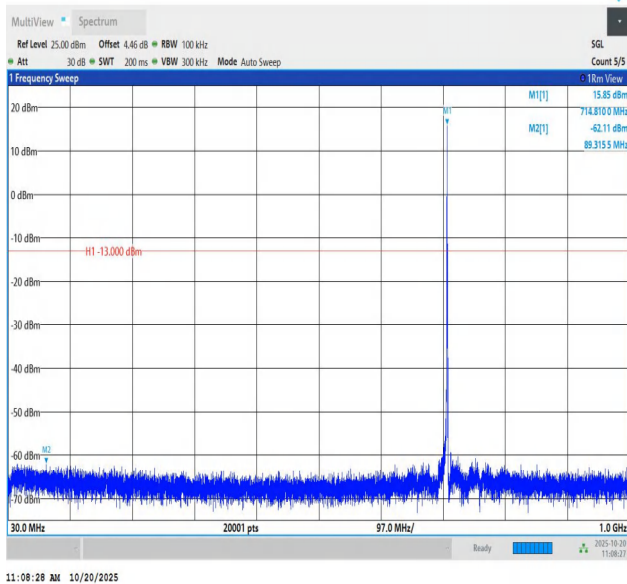
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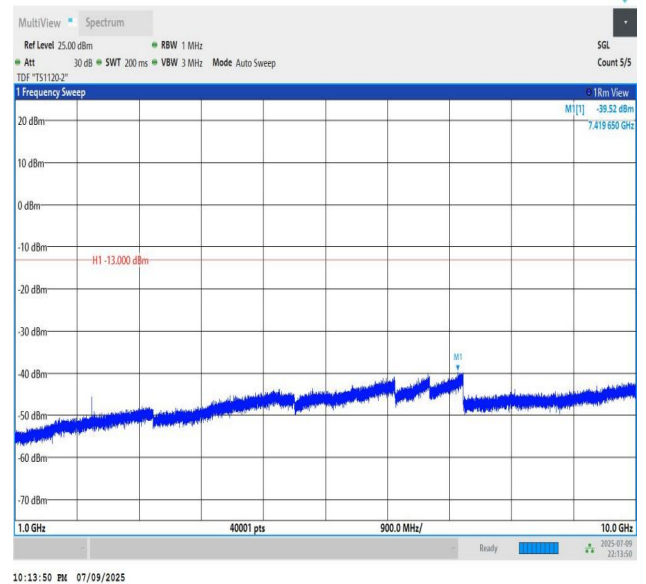
Band12-10MHz-QPSK-23095-1#0-0.009-0.15-PASS



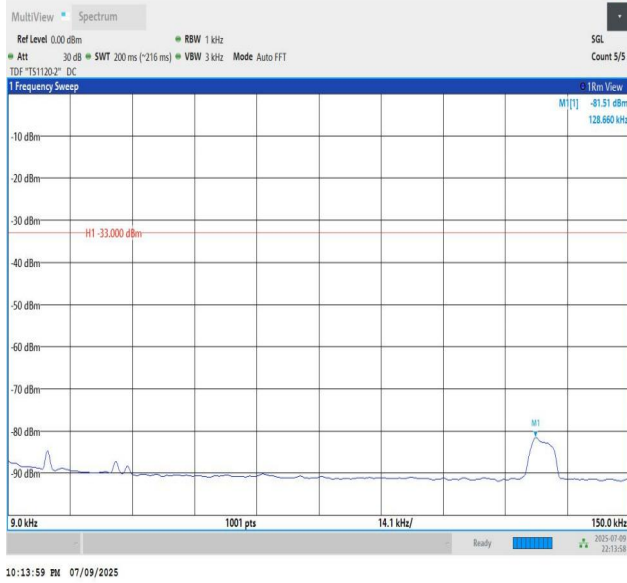
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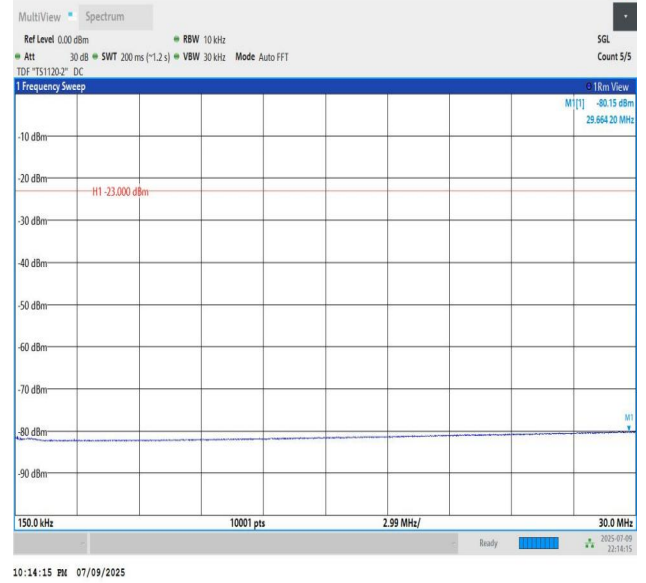
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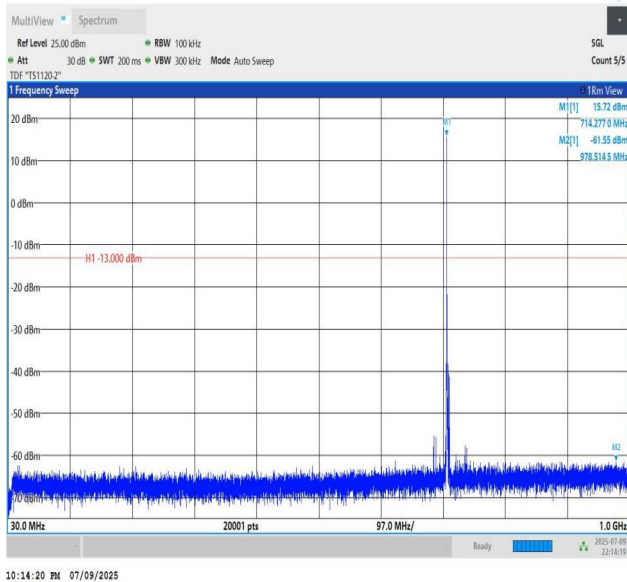
Band12-10MHz-QPSK-23095-1#0-1000-10000-PASS



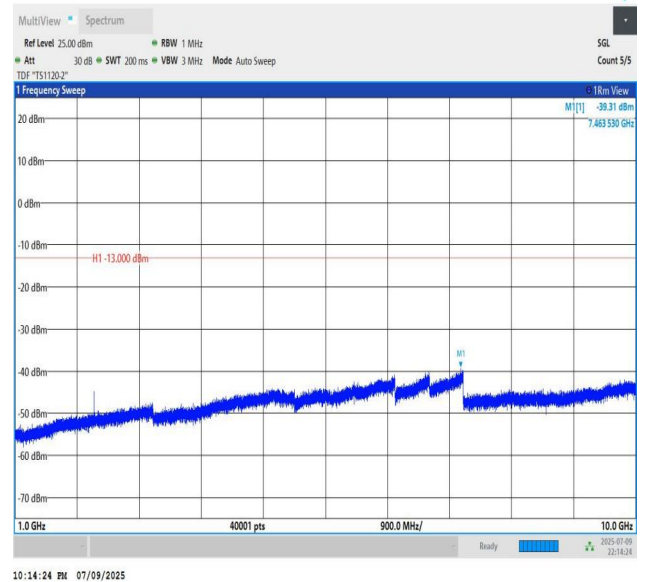
Band12-10MHz-QPSK-23130-1#0-0.009-0.15-PASS



Band12-10MHz-QPSK-23130-1#0-0.15-30-PASS



Band12-10MHz-QPSK-23130-1#0-30-1000-PASS



Band12-10MHz-QPSK-23130-1#0-1000-10000-PASS

Frequency Stability for M1

Test Result

Voltage												
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23095	6	0	Low	VN	NT	8.75	0.012367	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	VL	NT	11.38	0.016085	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	VH	NT	10.61	0.014996	±2.5	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23095	6	0	Low	NV	-30	11.03	0.015590	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	NV	-20	10.98	0.015519	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	NV	-10	11.76	0.016622	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	NV	0	11.71	0.016551	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	NV	10	10.82	0.015293	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	NV	20	11.07	0.015647	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	NV	30	10.73	0.015166	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	NV	40	11.05	0.015618	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	NV	50	10.68	0.015095	±2.5	PASS

----- THE END -----