

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	19.73	3.95	21.53	34.8	PASS
Band12	1.4MHz	16QAM	23017	1	5	Low	19.52	3.95	21.32	34.8	PASS
Band12	1.4MHz	16QAM	23017	6	0	Low	18.54	3.95	20.34	34.8	PASS
Band12	1.4MHz	QPSK	23017	1	0	Low	20.76	3.95	22.56	34.8	PASS
Band12	1.4MHz	QPSK	23017	1	5	Low	20.68	3.95	22.48	34.8	PASS
Band12	1.4MHz	QPSK	23017	6	0	Low	18.53	3.95	20.33	34.8	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	19.65	3.95	21.45	34.8	PASS
Band12	1.4MHz	16QAM	23095	6	0	Low	18.54	3.95	20.34	34.8	PASS
Band12	1.4MHz	16QAM	23095	1	5	Low	19.50	3.95	21.30	34.8	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	20.63	3.95	22.43	34.8	PASS
Band12	1.4MHz	QPSK	23095	1	5	Low	20.49	3.95	22.29	34.8	PASS
Band12	1.4MHz	QPSK	23095	6	0	Low	18.74	3.95	20.54	34.8	PASS
Band12	1.4MHz	16QAM	23173	1	0	High	19.52	3.95	21.32	34.8	PASS
Band12	1.4MHz	16QAM	23173	1	5	High	19.57	3.95	21.37	34.8	PASS
Band12	1.4MHz	16QAM	23173	6	0	High	18.59	3.95	20.39	34.8	PASS
Band12	1.4MHz	QPSK	23173	1	0	High	20.51	3.95	22.31	34.8	PASS
Band12	1.4MHz	QPSK	23173	1	5	High	20.36	3.95	22.16	34.8	PASS
Band12	1.4MHz	QPSK	23173	6	0	High	18.67	3.95	20.47	34.8	PASS
Band12	3MHz	16QAM	23025	1	0	Low	19.72	3.95	21.52	34.8	PASS
Band12	3MHz	16QAM	23025	1	5	Low	19.52	3.95	21.32	34.8	PASS
Band12	3MHz	16QAM	23025	6	0	Low	18.55	3.95	20.35	34.8	PASS
Band12	3MHz	QPSK	23025	1	0	Low	20.81	3.95	22.61	34.8	PASS
Band12	3MHz	QPSK	23025	1	5	Low	20.68	3.95	22.48	34.8	PASS
Band12	3MHz	QPSK	23025	6	0	Low	18.54	3.95	20.34	34.8	PASS
Band12	3MHz	16QAM	23095	1	0	Low	19.56	3.95	21.36	34.8	PASS
Band12	3MHz	16QAM	23095	1	5	Low	19.71	3.95	21.51	34.8	PASS
Band12	3MHz	16QAM	23095	6	0	Low	18.54	3.95	20.34	34.8	PASS
Band12	3MHz	QPSK	23095	1	0	Low	20.48	3.95	22.28	34.8	PASS
Band12	3MHz	QPSK	23095	1	5	Low	20.27	3.95	22.07	34.8	PASS
Band12	3MHz	QPSK	23095	6	0	Low	18.64	3.95	20.44	34.8	PASS
Band12	3MHz	16QAM	23165	1	0	High	19.59	3.95	21.39	34.8	PASS
Band12	3MHz	16QAM	23165	1	5	High	19.74	3.95	21.54	34.8	PASS
Band12	3MHz	16QAM	23165	6	0	High	18.57	3.95	20.37	34.8	PASS
Band12	3MHz	QPSK	23165	1	0	High	20.63	3.95	22.43	34.8	PASS
Band12	3MHz	QPSK	23165	1	5	High	20.42	3.95	22.22	34.8	PASS
Band12	3MHz	QPSK	23165	6	0	High	18.64	3.95	20.44	34.8	PASS

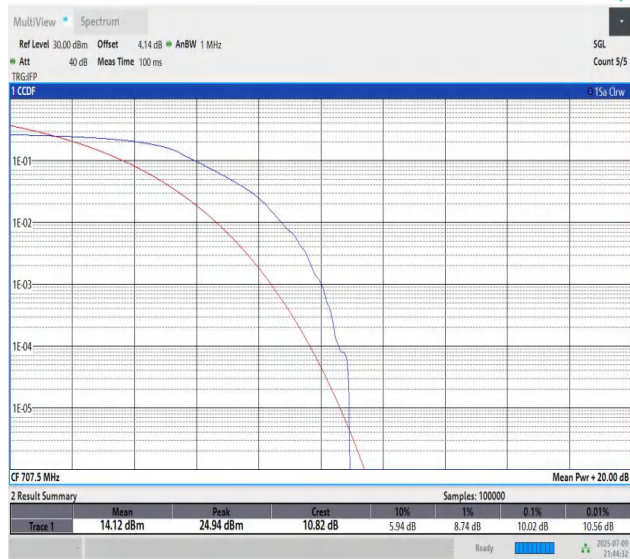
Band12	5MHz	16QAM	23035	1	0	Low	20.76	3.95	22.56	34.8	PASS
Band12	5MHz	16QAM	23035	1	5	Low	20.55	3.95	22.35	34.8	PASS
Band12	5MHz	16QAM	23035	6	0	Low	19.66	3.95	21.46	34.8	PASS
Band12	5MHz	QPSK	23035	1	0	Low	20.67	3.95	22.47	34.8	PASS
Band12	5MHz	QPSK	23035	1	5	Low	20.53	3.95	22.33	34.8	PASS
Band12	5MHz	QPSK	23035	6	0	Low	19.49	3.95	21.29	34.8	PASS
Band12	5MHz	16QAM	23095	1	0	Low	20.73	3.95	22.53	34.8	PASS
Band12	5MHz	16QAM	23095	1	5	Low	20.38	3.95	22.18	34.8	PASS
Band12	5MHz	16QAM	23095	6	0	Low	19.63	3.95	21.43	34.8	PASS
Band12	5MHz	QPSK	23095	1	0	Low	20.67	3.95	22.47	34.8	PASS
Band12	5MHz	QPSK	23095	1	5	Low	20.58	3.95	22.38	34.8	PASS
Band12	5MHz	QPSK	23095	6	0	Low	19.42	3.95	21.22	34.8	PASS
Band12	5MHz	16QAM	23155	1	0	High	20.58	3.95	22.38	34.8	PASS
Band12	5MHz	16QAM	23155	1	5	High	20.49	3.95	22.29	34.8	PASS
Band12	5MHz	16QAM	23155	6	0	High	19.50	3.95	21.30	34.8	PASS
Band12	5MHz	QPSK	23155	1	0	High	20.67	3.95	22.47	34.8	PASS
Band12	5MHz	QPSK	23155	1	5	High	20.49	3.95	22.29	34.8	PASS
Band12	5MHz	QPSK	23155	6	0	High	19.40	3.95	21.20	34.8	PASS
Band12	10MHz	16QAM	23060	1	0	Low	20.72	3.95	22.52	34.8	PASS
Band12	10MHz	16QAM	23060	1	5	Low	20.50	3.95	22.30	34.8	PASS
Band12	10MHz	16QAM	23060	6	0	Low	19.59	3.95	21.39	34.8	PASS
Band12	10MHz	QPSK	23060	1	0	Low	20.71	3.95	22.51	34.8	PASS
Band12	10MHz	QPSK	23060	1	5	Low	20.53	3.95	22.33	34.8	PASS
Band12	10MHz	QPSK	23060	6	0	Low	19.41	3.95	21.21	34.8	PASS
Band12	10MHz	16QAM	23095	1	0	Low	20.71	3.95	22.51	34.8	PASS
Band12	10MHz	16QAM	23095	1	5	Low	20.53	3.95	22.33	34.8	PASS
Band12	10MHz	16QAM	23095	6	0	Low	19.56	3.95	21.36	34.8	PASS
Band12	10MHz	QPSK	23095	1	0	Low	20.79	3.95	22.59	34.8	PASS
Band12	10MHz	QPSK	23095	1	5	Low	20.51	3.95	22.31	34.8	PASS
Band12	10MHz	QPSK	23095	6	0	Low	19.38	3.95	21.18	34.8	PASS
Band12	10MHz	16QAM	23130	1	0	High	20.75	3.95	22.55	34.8	PASS
Band12	10MHz	16QAM	23130	1	5	High	20.53	3.95	22.33	34.8	PASS
Band12	10MHz	16QAM	23130	6	0	High	19.50	3.95	21.30	34.8	PASS
Band12	10MHz	QPSK	23130	1	0	High	20.74	3.95	22.54	34.8	PASS
Band12	10MHz	QPSK	23130	1	5	High	20.48	3.95	22.28	34.8	PASS
Band12	10MHz	QPSK	23130	6	0	High	19.35	3.95	21.15	34.8	PASS

Peak-to-Average Ratio(CCDF) for M1

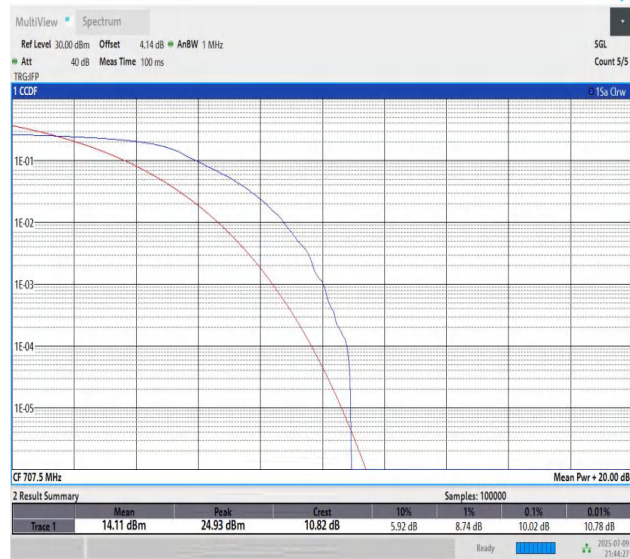
Test Result

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



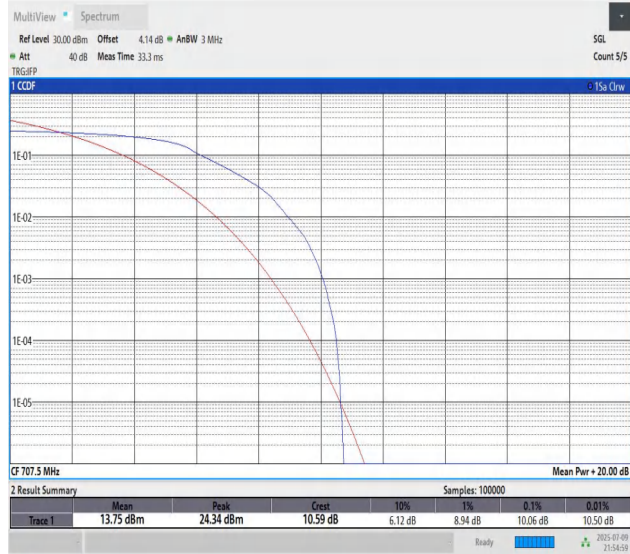
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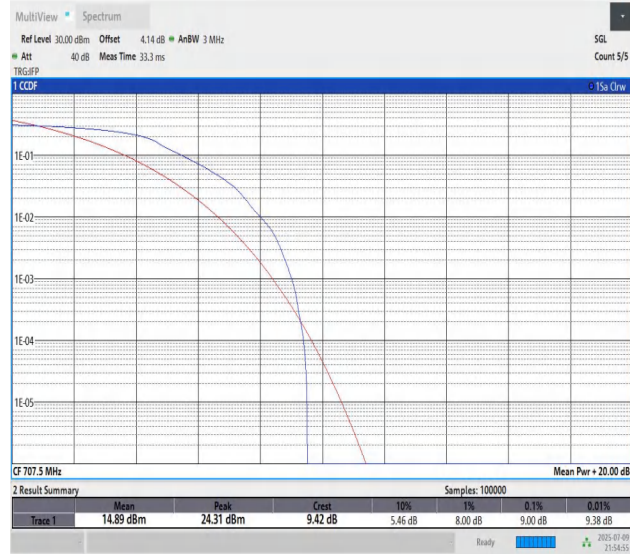
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Band12-1.4MHz-16QAM-23095-PASS

Band12-1.4MHz-QPSK-23095-PASS



09:54:59 PM 07/09/2025



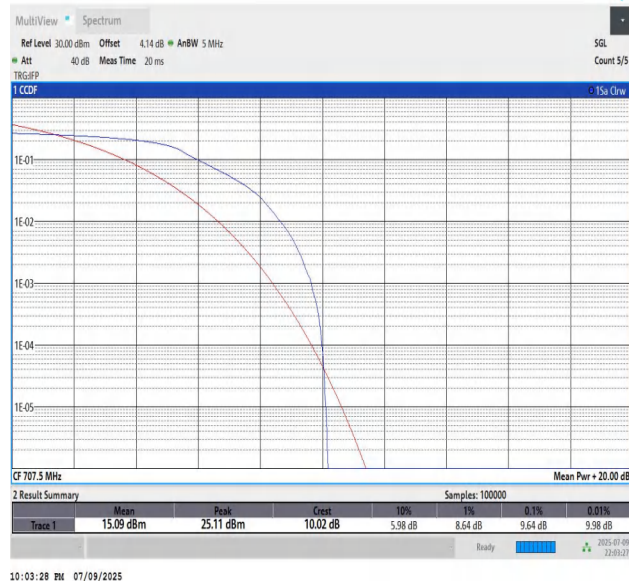
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Band12-3MHz-16QAM-23095-PASS

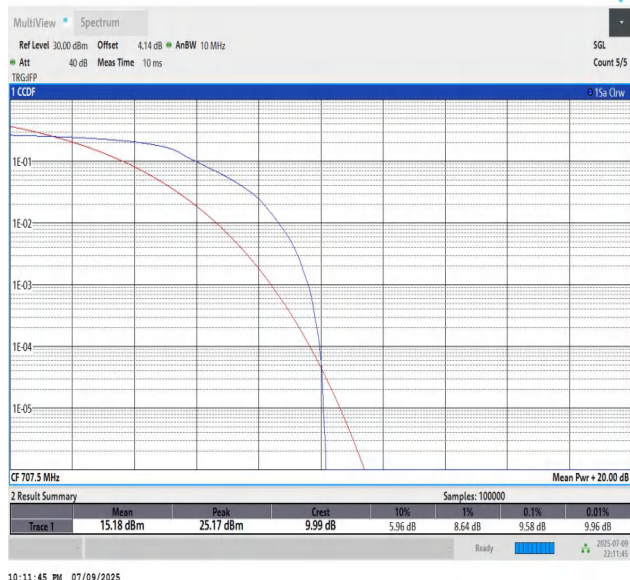
Band12-3MHz-QPSK-23095-PASS



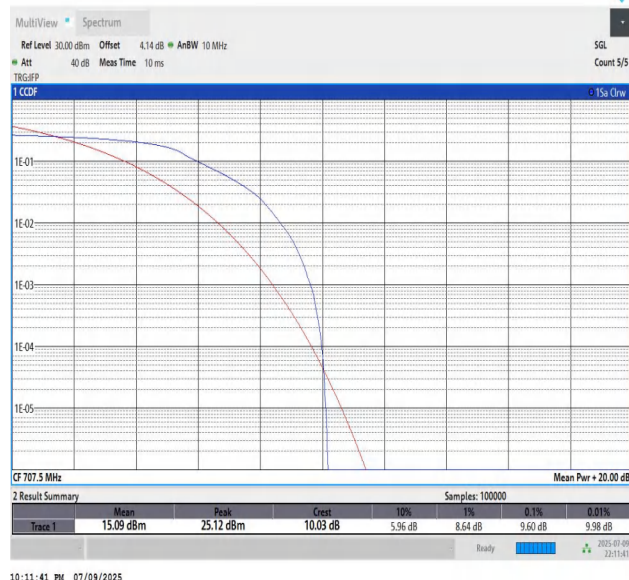
Band12-5MHz-16QAM-23095-PASS



Band12-5MHz-QPSK-23095-PASS



Band12-10MHz-16QAM-23095-PASS



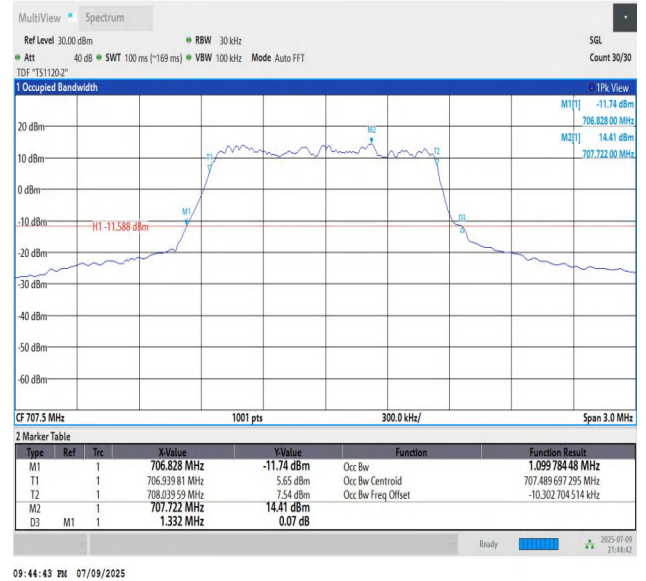
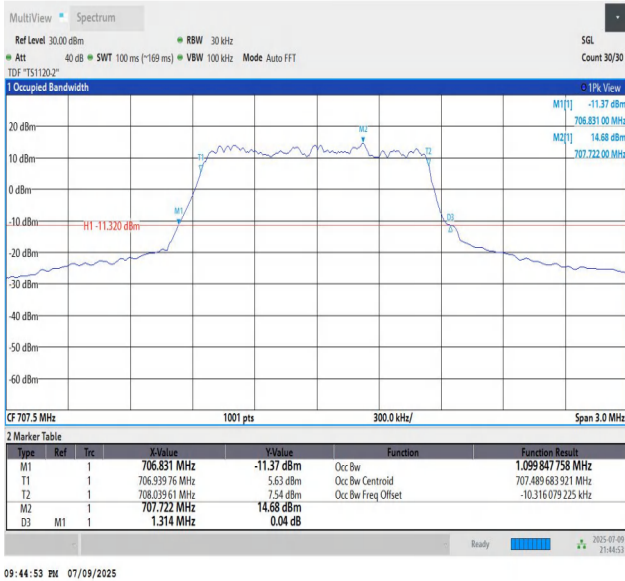
Band12-10MHz-QPSK-23095-PASS

26dB Bandwidth and Occupied Bandwidth for M1

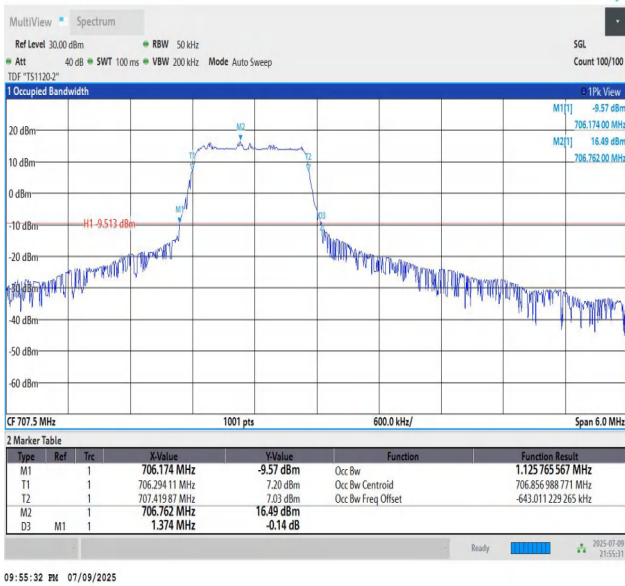
Test Result

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

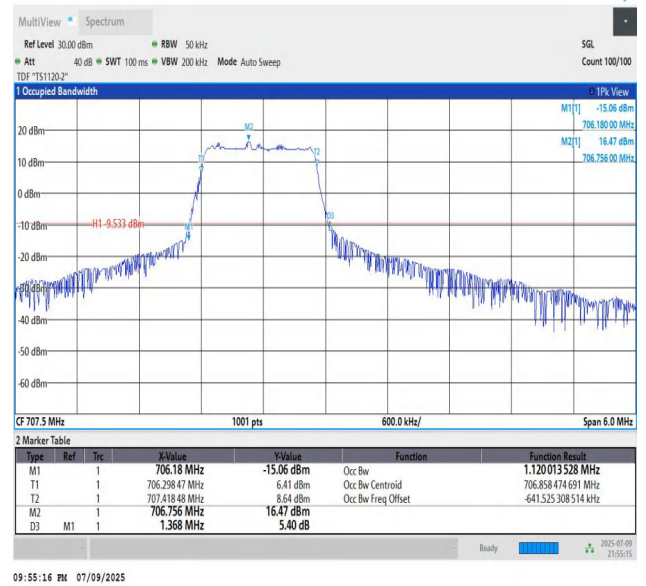
Test Graphs



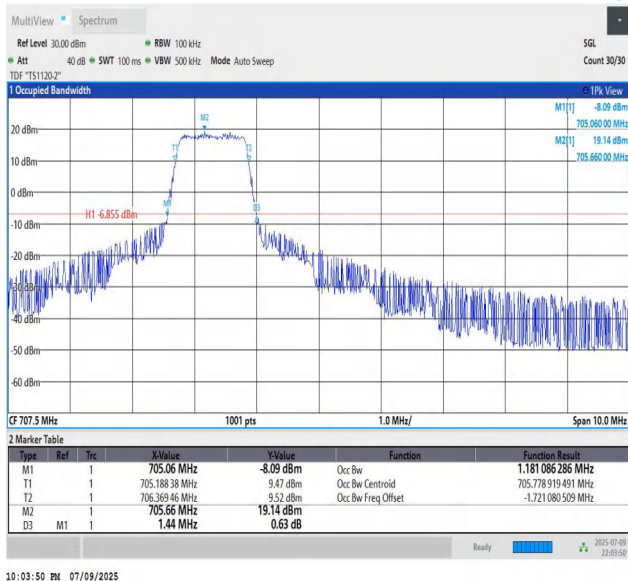
Band12-1.4MHz-16QAM-23095-PASS



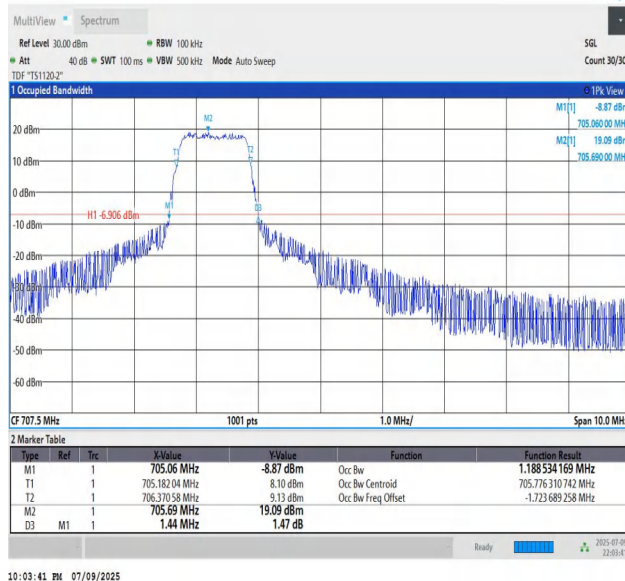
Band12-3MHz-16QAM-23095-PASS



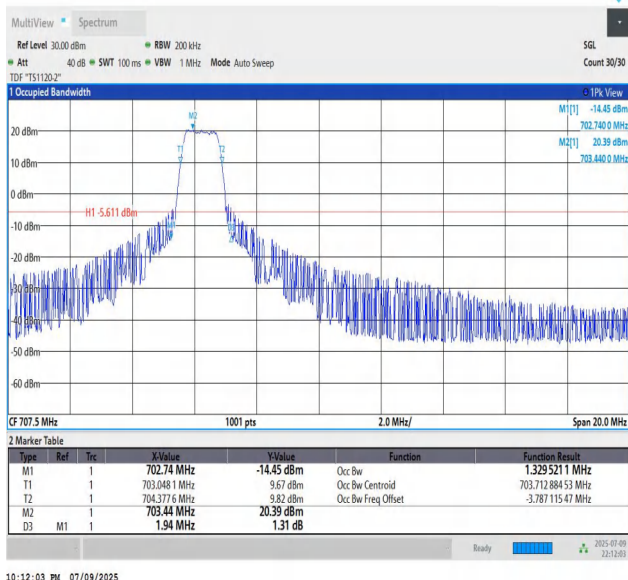
Band12-3MHz-QPSK-23095-PASS



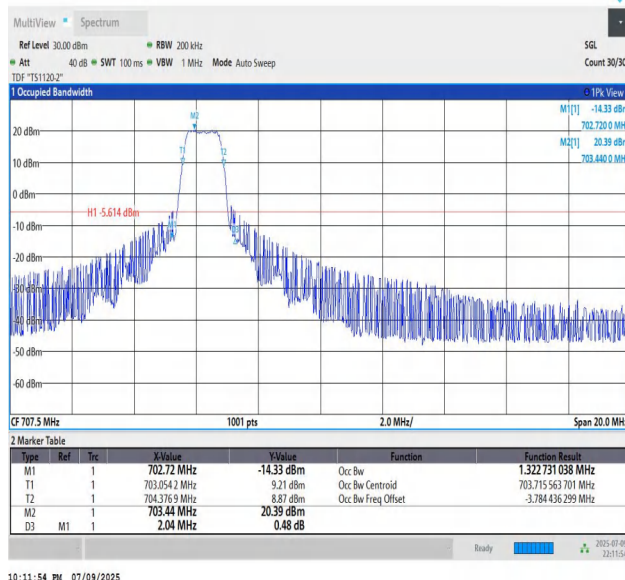
Band12-5MHz-16QAM-23095-PASS



Band12-5MHz-QPSK-23095-PASS



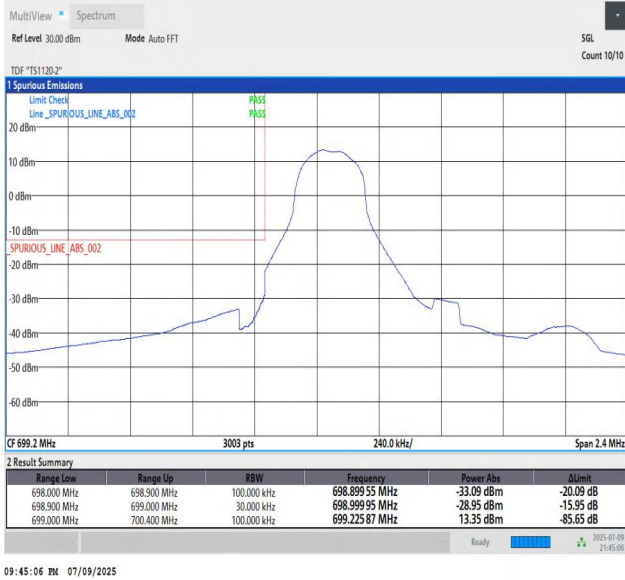
Band12-10MHz-16QAM-23095-PASS



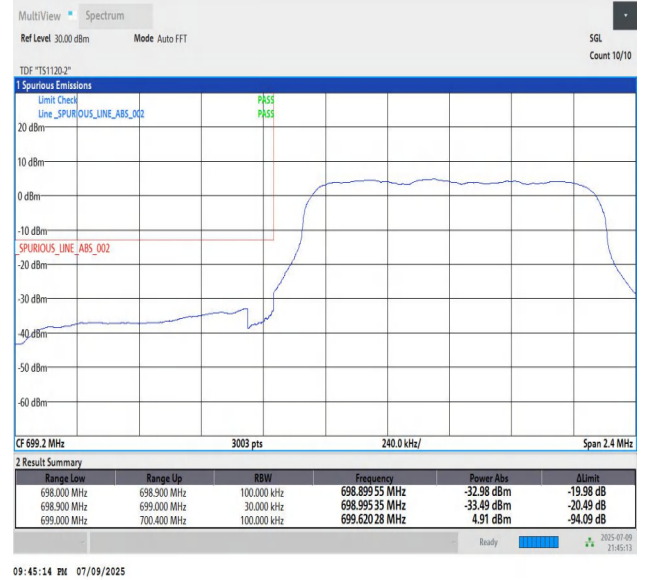
Band12-10MHz-QPSK-23095-PASS

Band Edge for M1

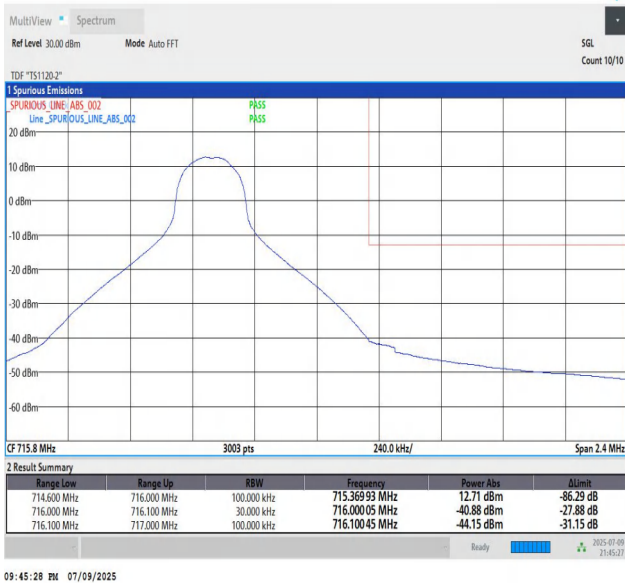
Test Graphs



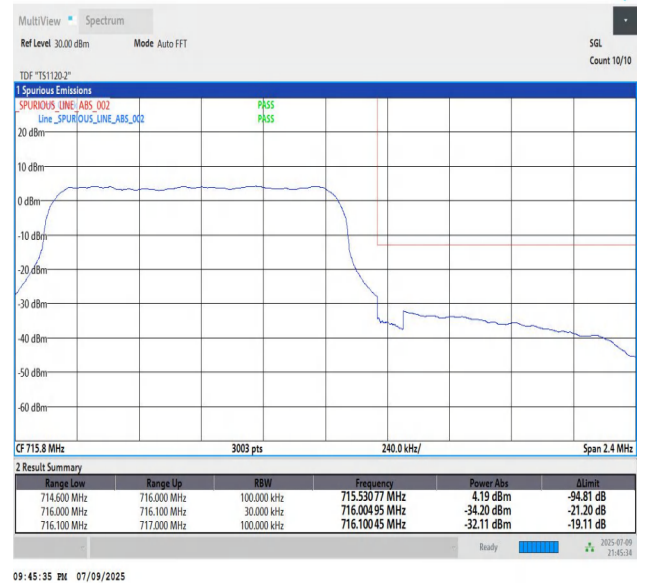
Band12_1.4MHz_QPSK_23017_1_Low



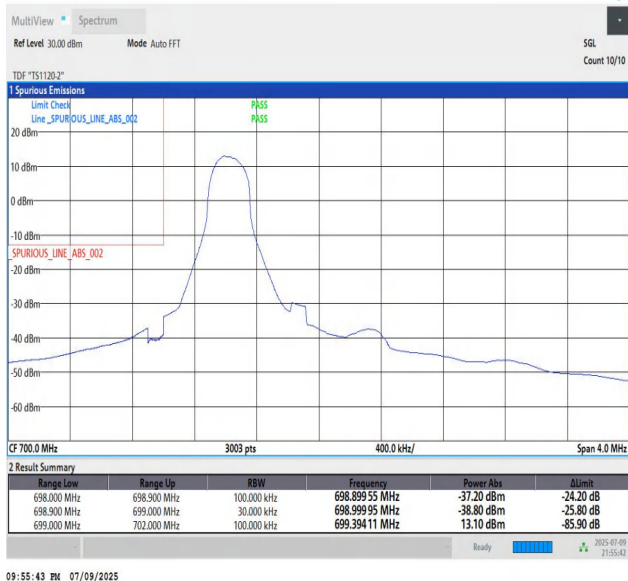
Band12_1.4MHz_QPSK_23017_6_Low



Band12_1.4MHz_QPSK_23173_1_High



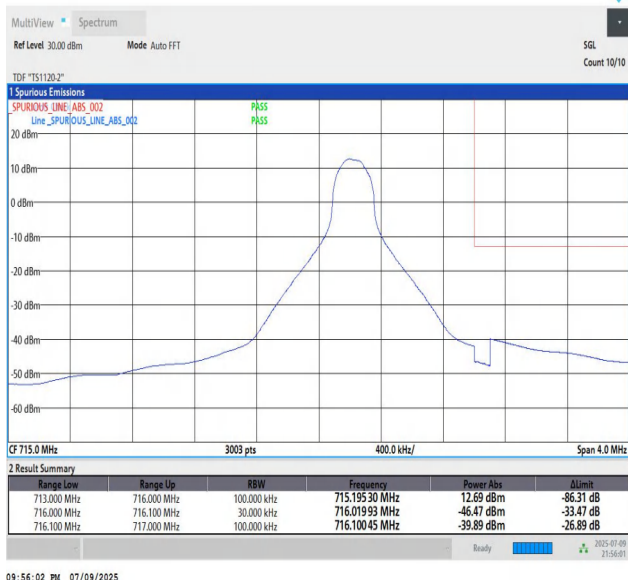
Band12_1.4MHz_QPSK_23173_6_High



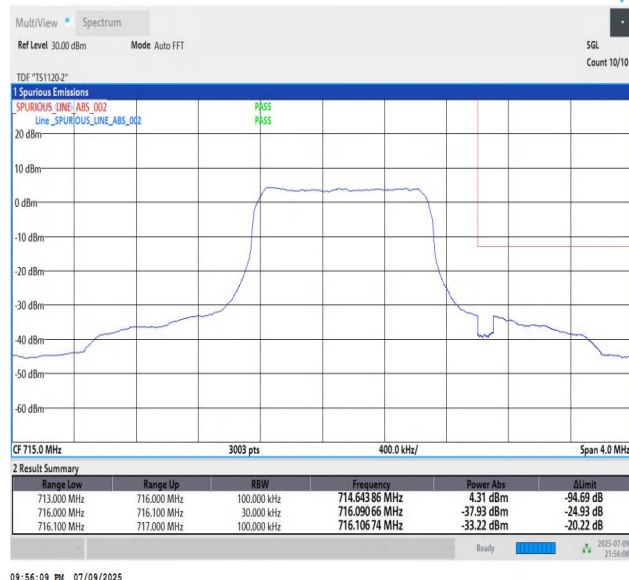
Band12_3MHz_QPSK_23025_1_Low



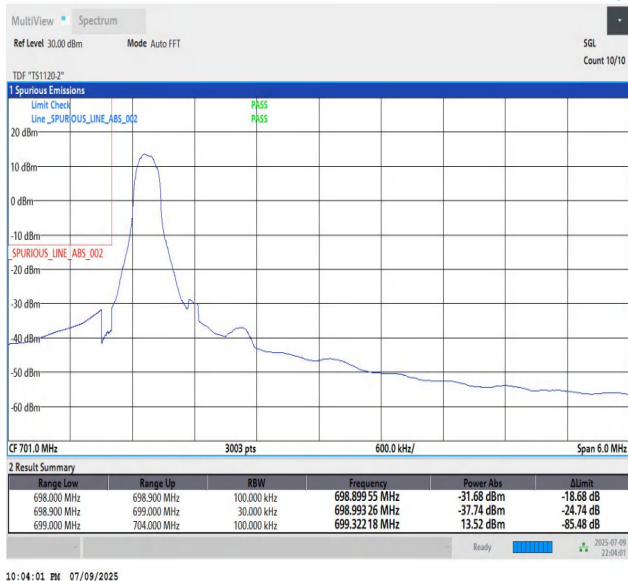
Band12_3MHz_QPSK_23025_6_Low



Band12_3MHz_QPSK_23165_1_High



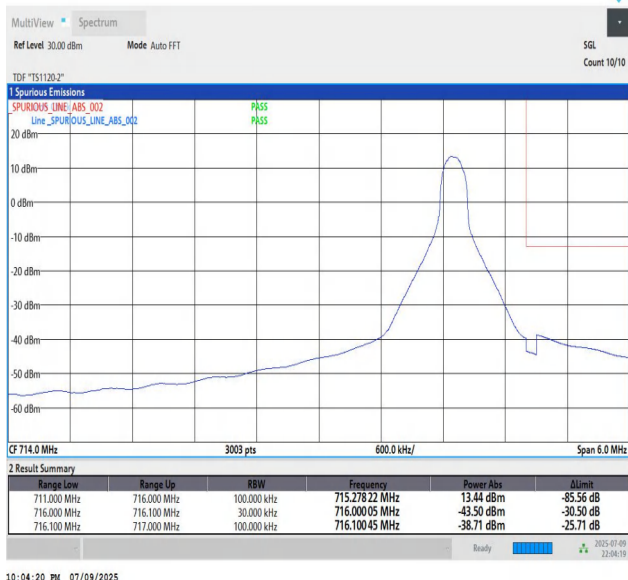
Band12_3MHz_QPSK_23165_6_High



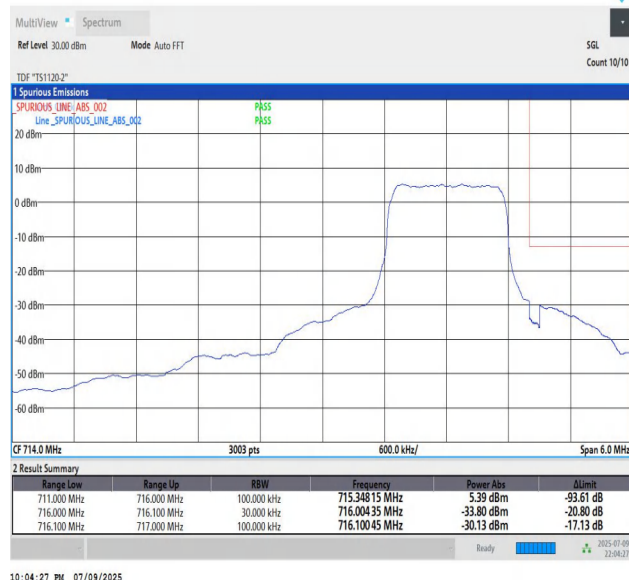
Band12_5MHz_QPSK_23035_1_Low



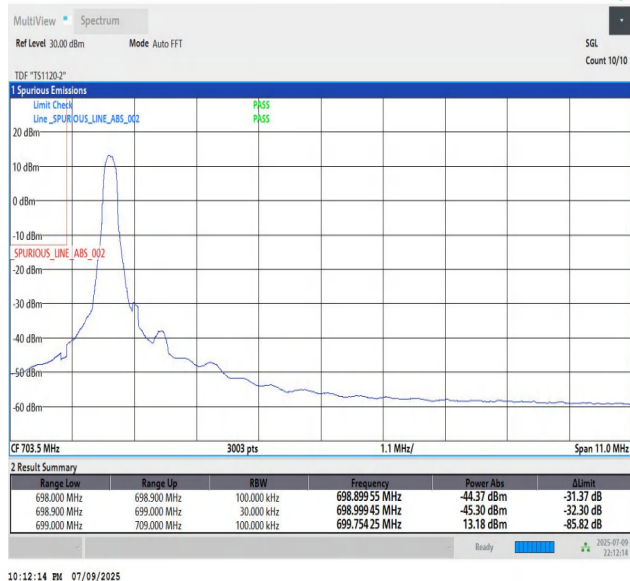
Band12_5MHz_QPSK_23035_6_Low



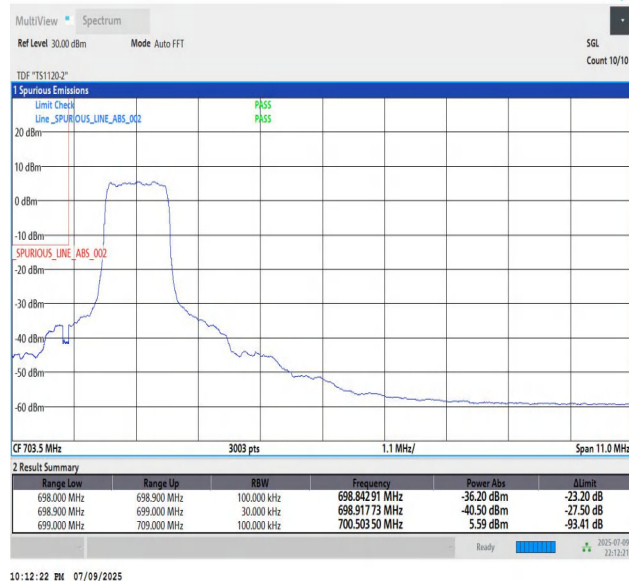
Band12_5MHz_QPSK_23155_1_High



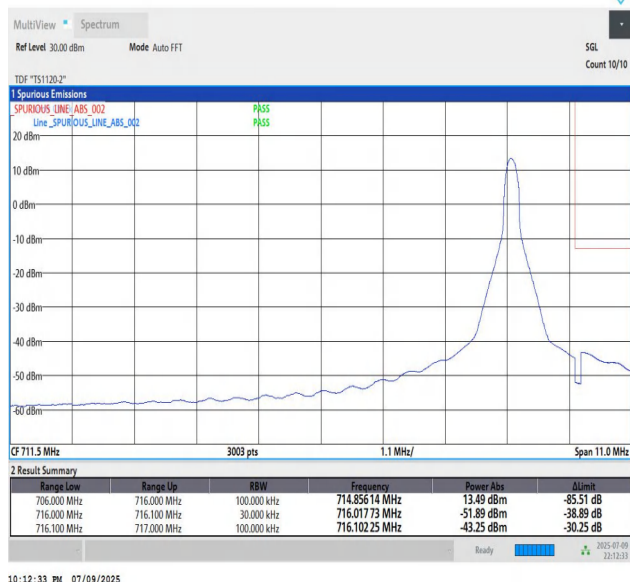
Band12_5MHz_QPSK_23155_6_High



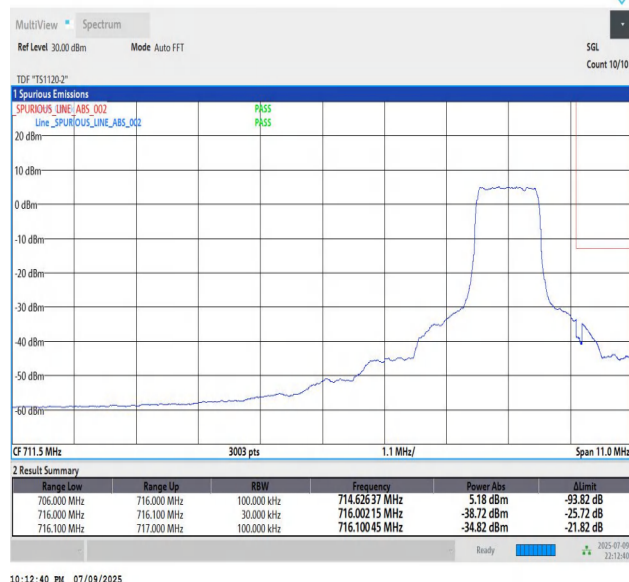
Band12_10MHz_QPSK_23060_1_Low



Band12_10MHz_QPSK_23060_6_Low



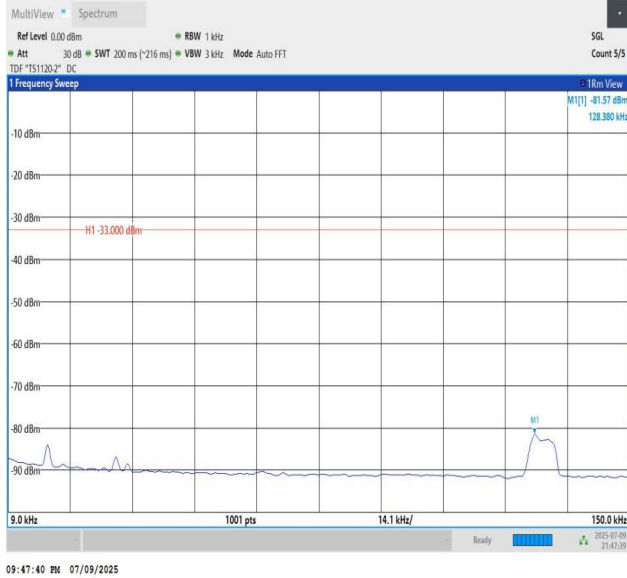
Band12_10MHz_QPSK_23130_1_High



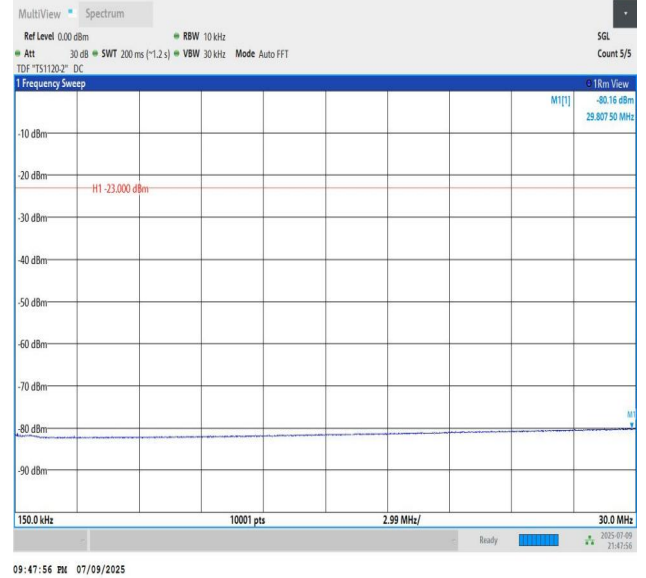
Band12_10MHz_QPSK_23130_6_High

Conducted Spurious Emission for M1

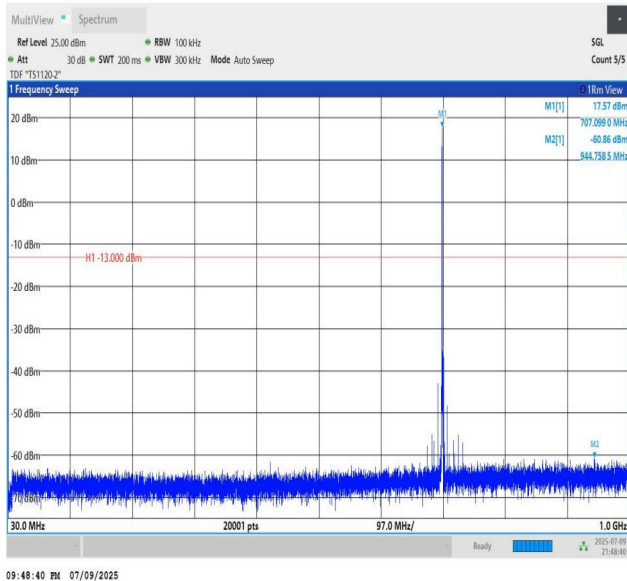
Test Graphs



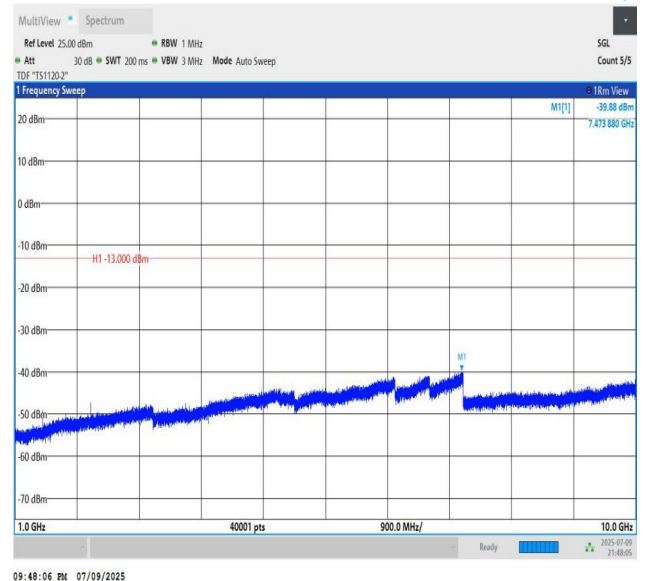
Band12-1.4MHz-QPSK-23017-PASS



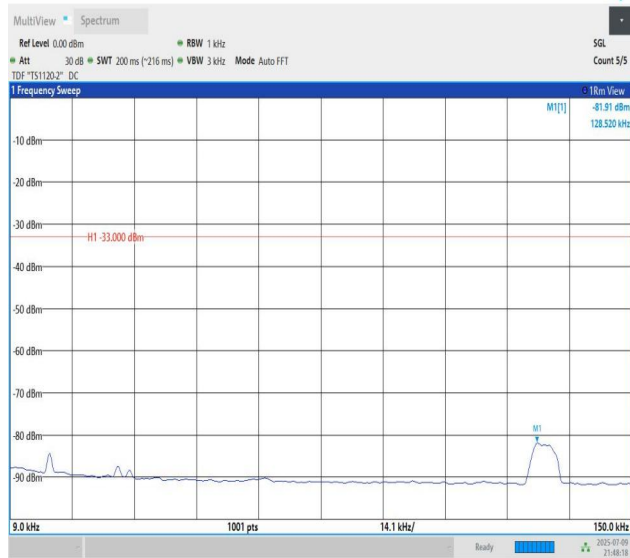
Band12-1.4MHz-QPSK-23017-PASS



Band12-1.4MHz-QPSK-23017-PASS

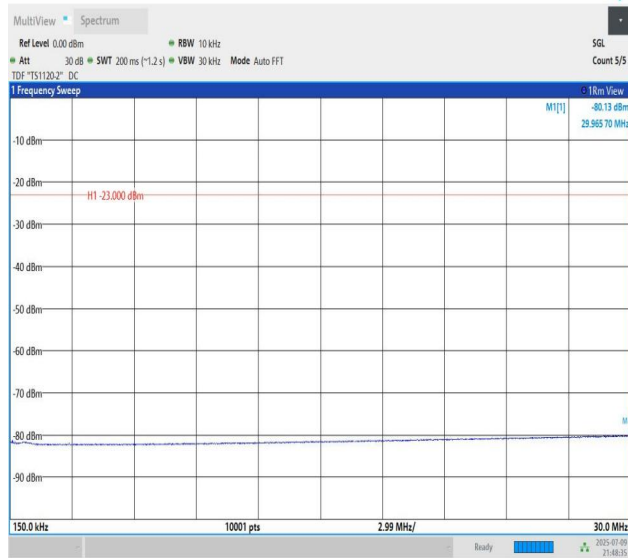


Band12-1.4MHz-QPSK-23017-PASS



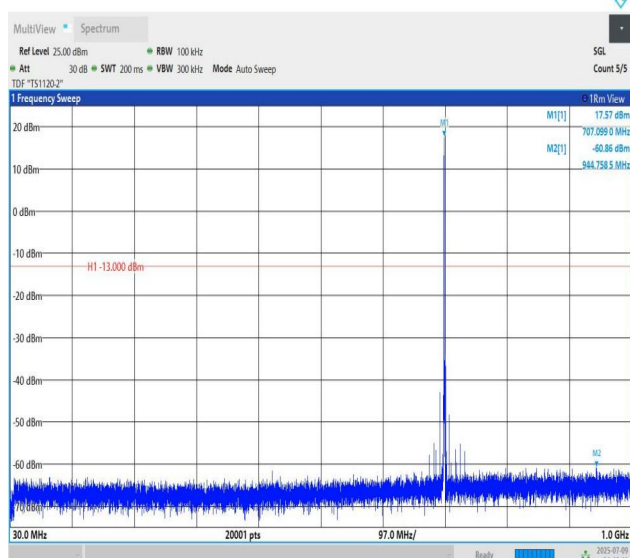
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Band12-1.4MHz-QPSK-23095-PASS



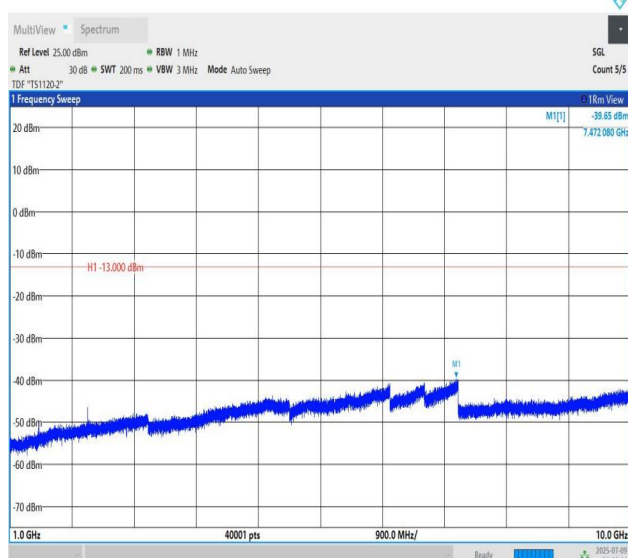
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Band12-1.4MHz-QPSK-23095-PASS



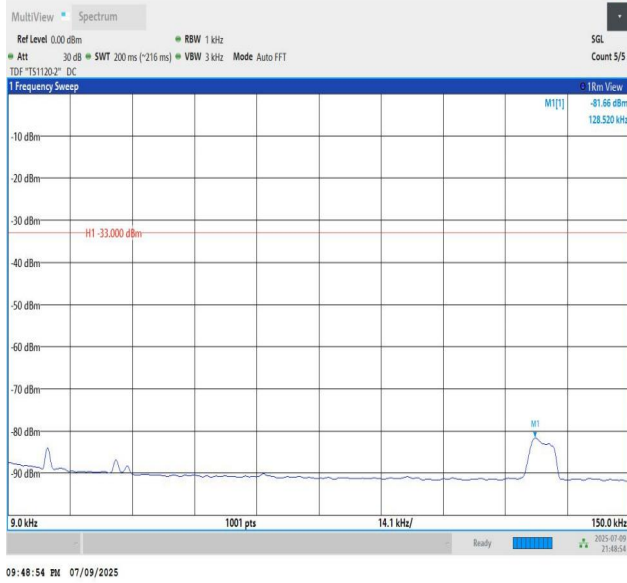
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Band12-1.4MHz-QPSK-23095-PASS

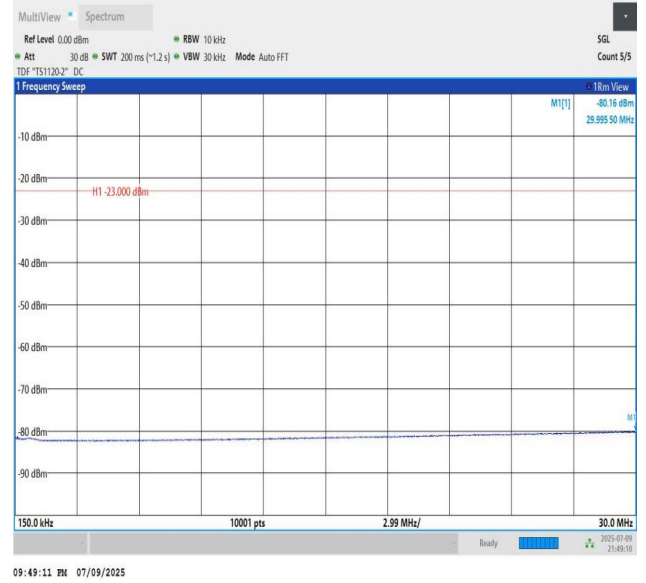


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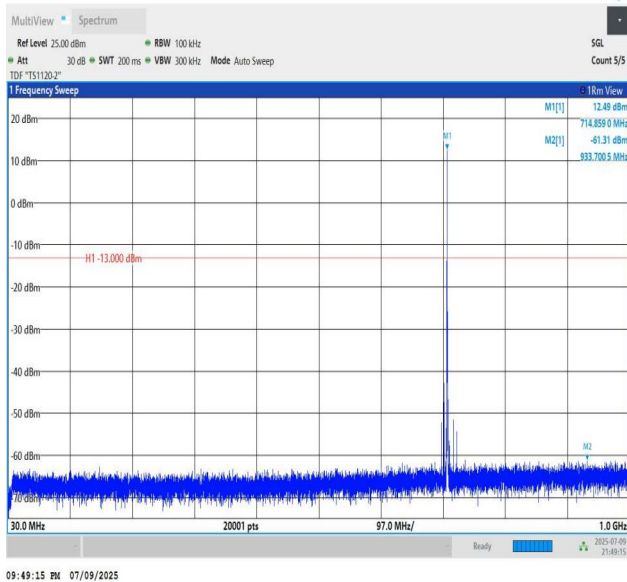
Band12-1.4MHz-QPSK-23095-PASS



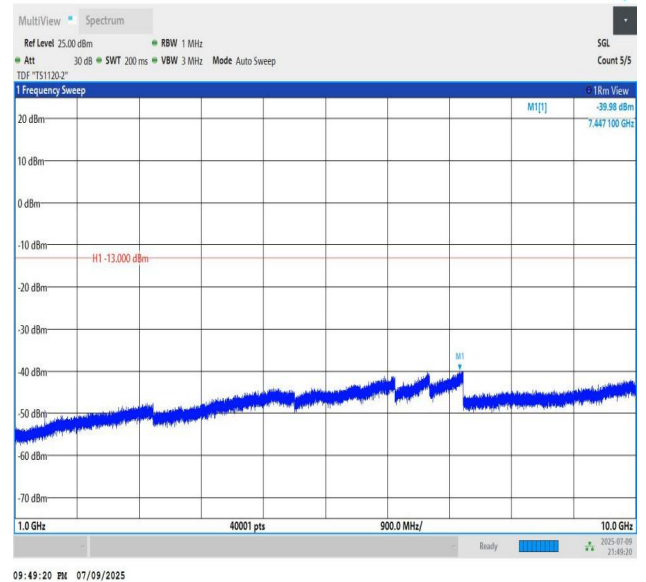
Band12-1.4MHz-QPSK-23173-PASS



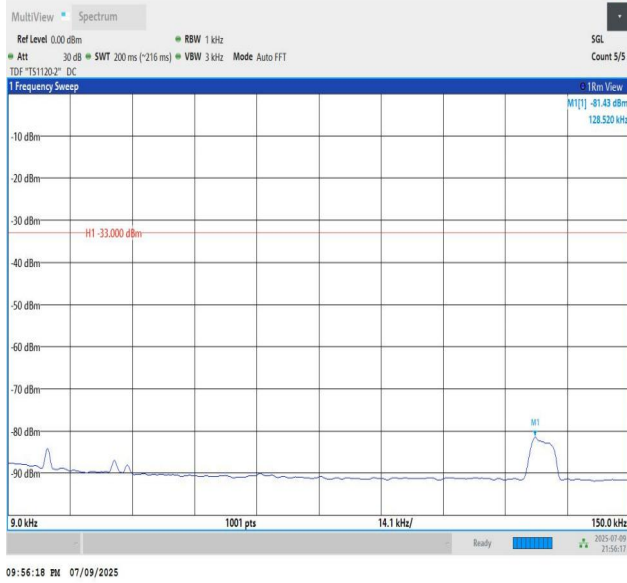
Band12-1.4MHz-QPSK-23173-PASS



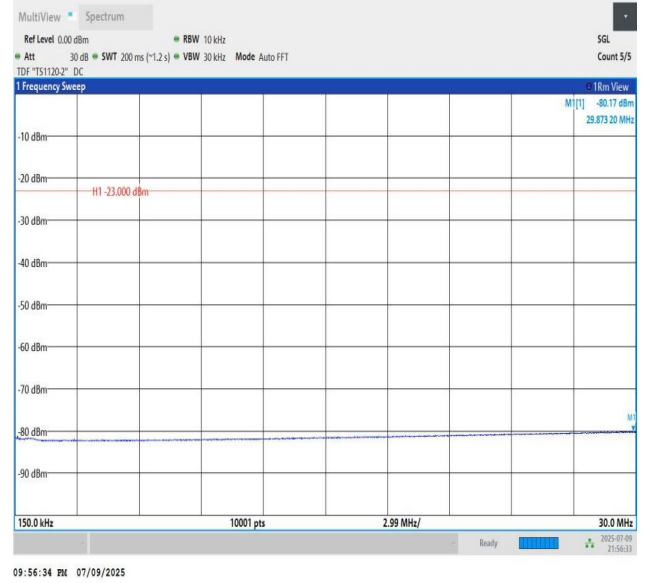
Band12-1.4MHz-QPSK-23173-PASS



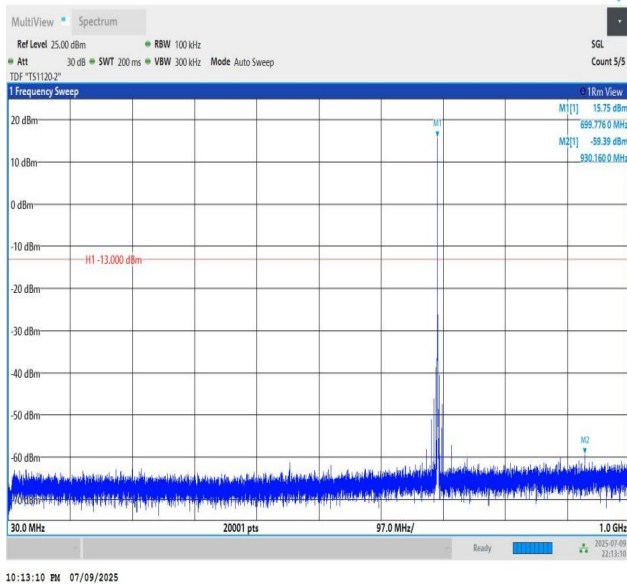
Band12-1.4MHz-QPSK-23173-PASS



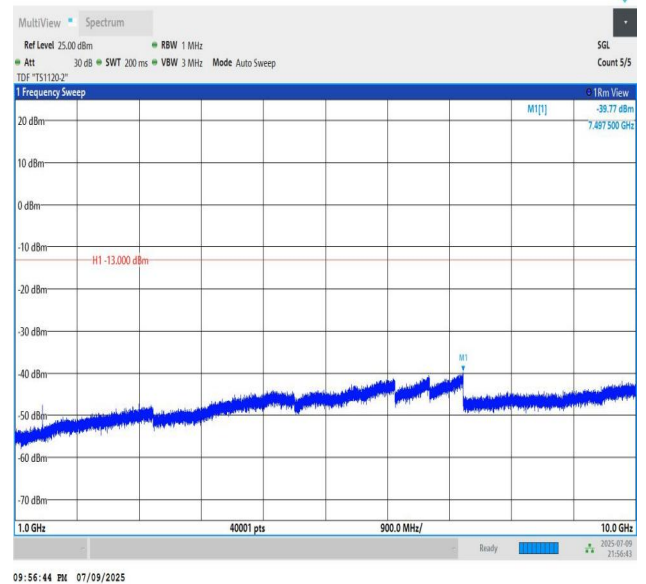
Band12-3MHz-QPSK-23025-PASS



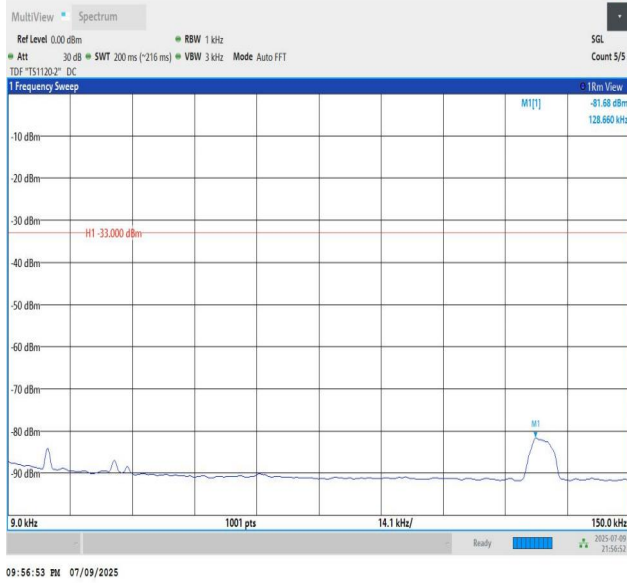
Band12-3MHz-QPSK-23025-PASS



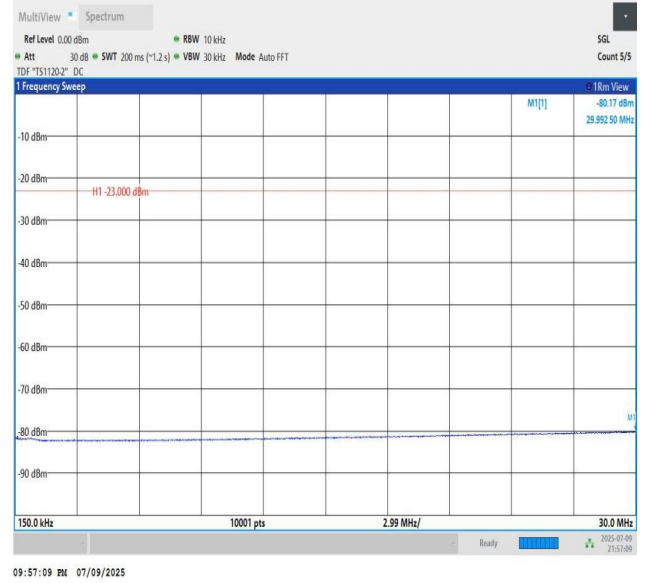
Band12-3MHz-QPSK-23025-PASS



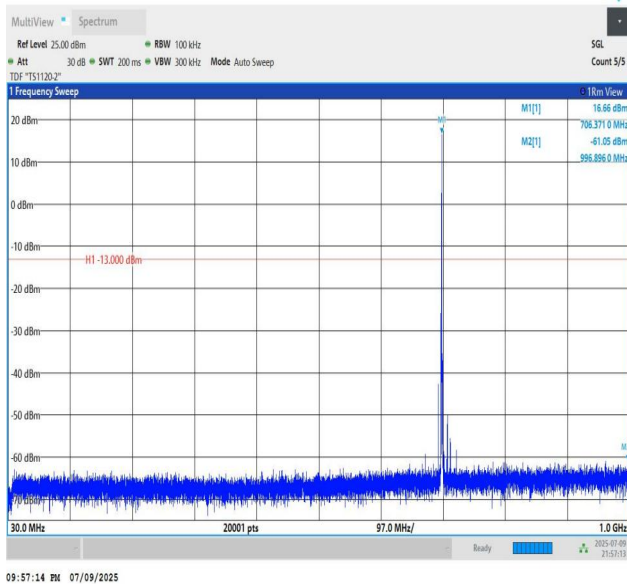
Band12-3MHz-QPSK-23025-PASS



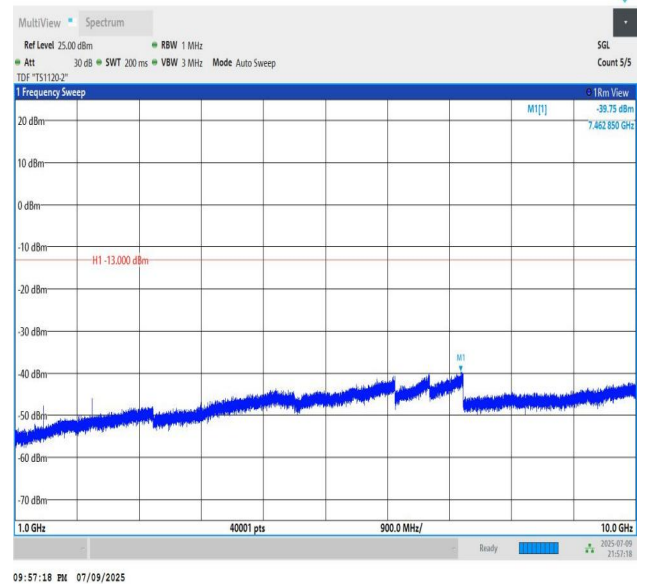
Band12-3MHz-QPSK-23095-PASS



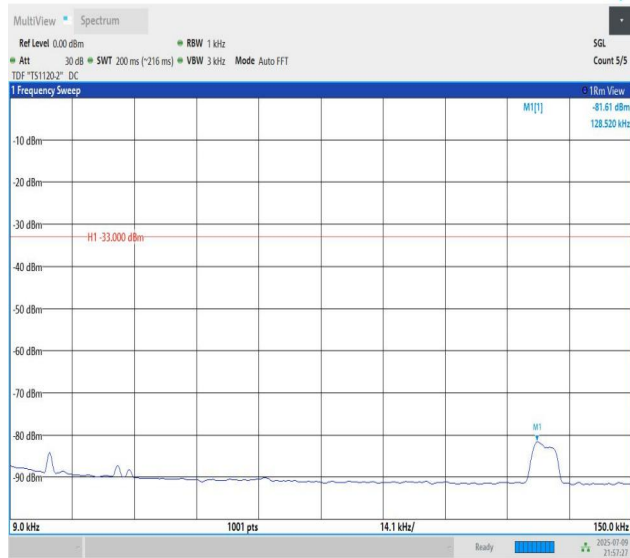
Band12-3MHz-QPSK-23095-PASS



Band12-3MHz-QPSK-23095-PASS

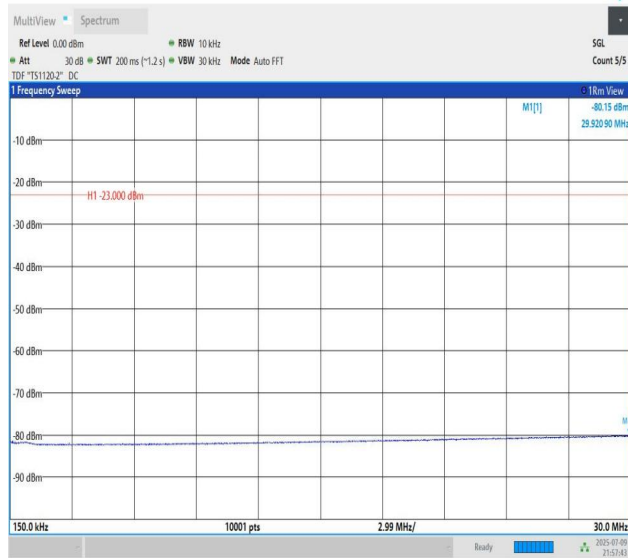


Band12-3MHz-QPSK-23095-PASS



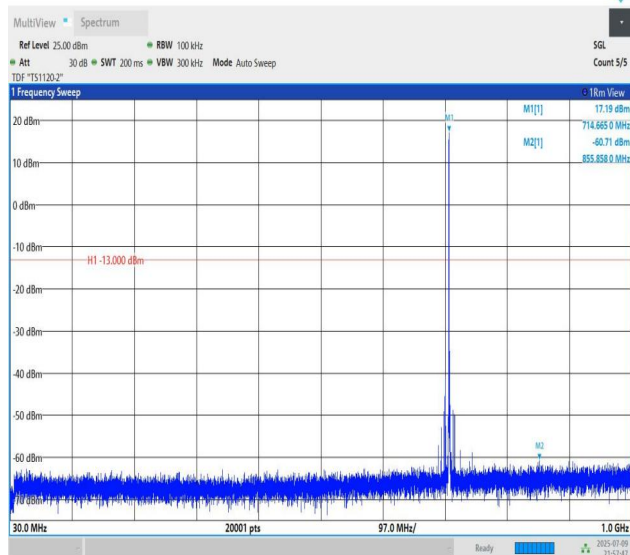
09:57:27 PM 07/09/2025

Band12-3MHz-QPSK-23165-PASS



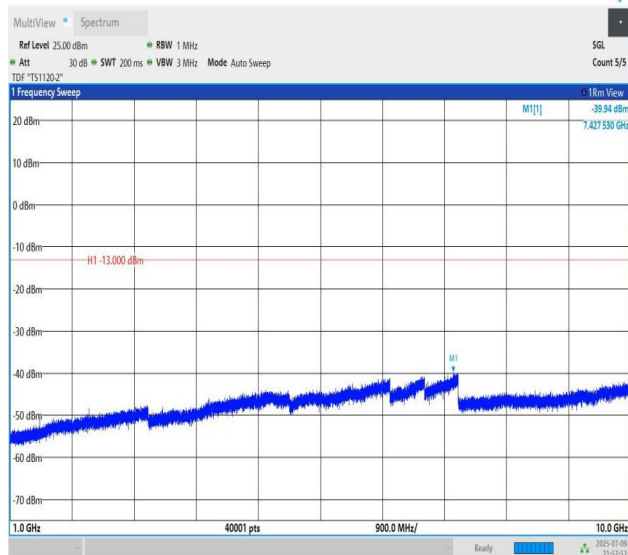
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Band12-3MHz-QPSK-23165-PASS



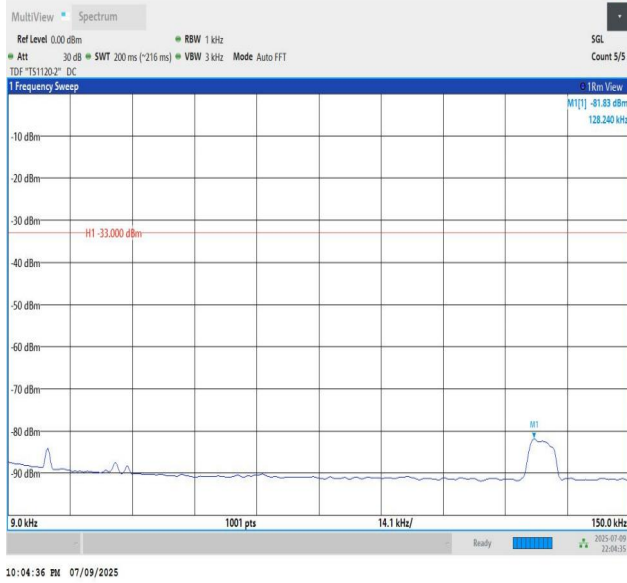
09:57:48 PM 07/09/2025

Band12-3MHz-QPSK-23165-PASS

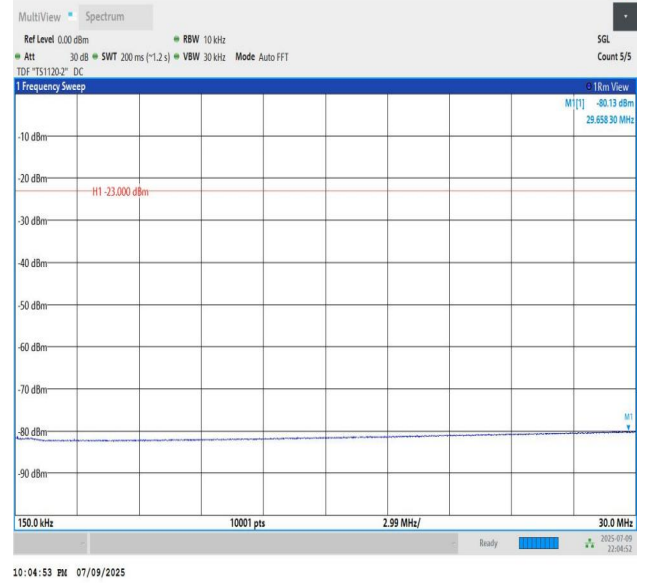


09:57:53 PM 07/09/2025

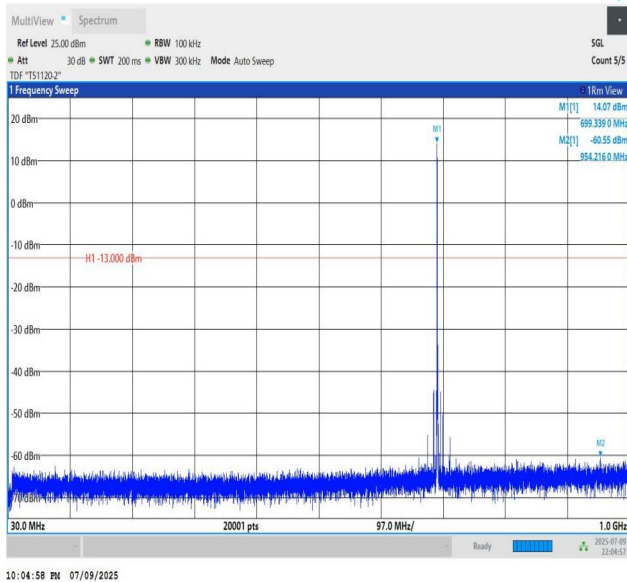
Band12-3MHz-QPSK-23165-PASS



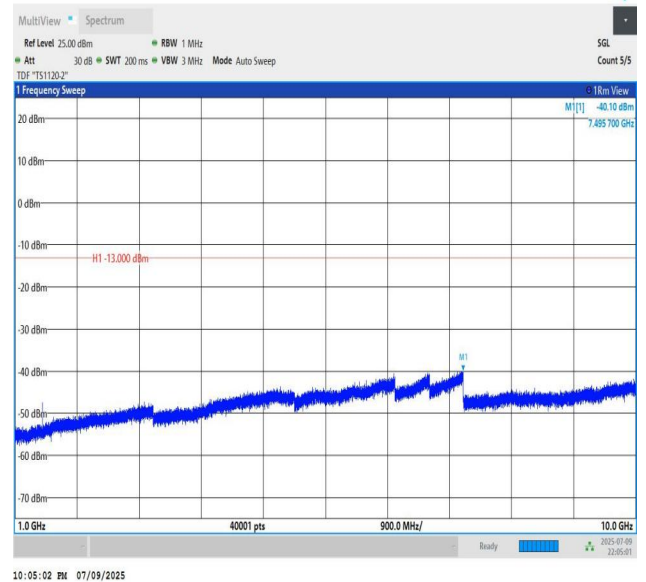
Band12-5MHz-QPSK-23035-PASS



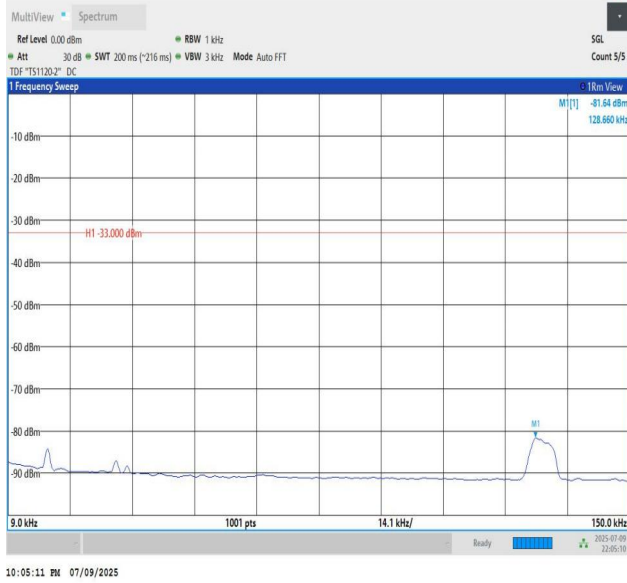
Band12-5MHz-QPSK-23035-PASS



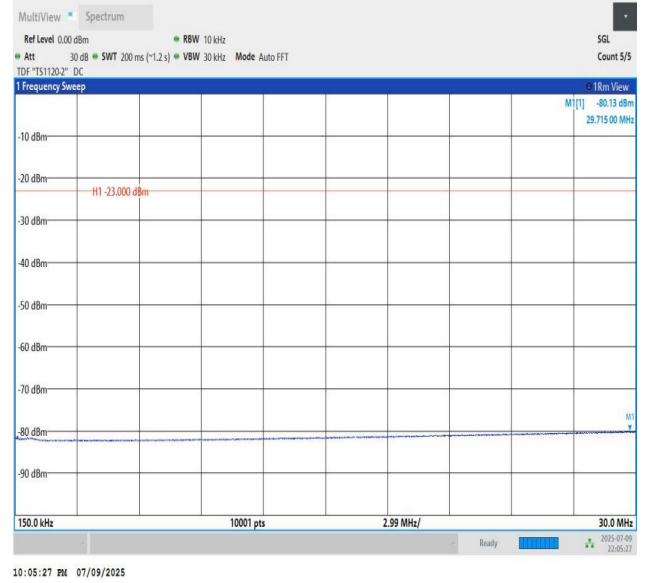
Band12-5MHz-QPSK-23035-PASS



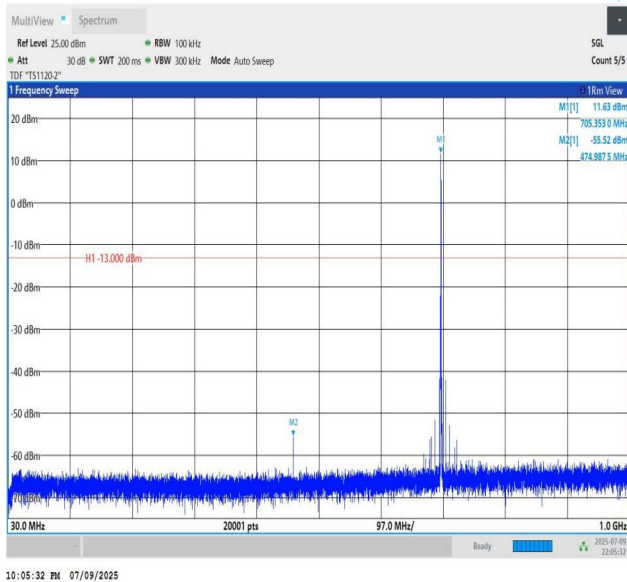
Band12-5MHz-QPSK-23035-PASS



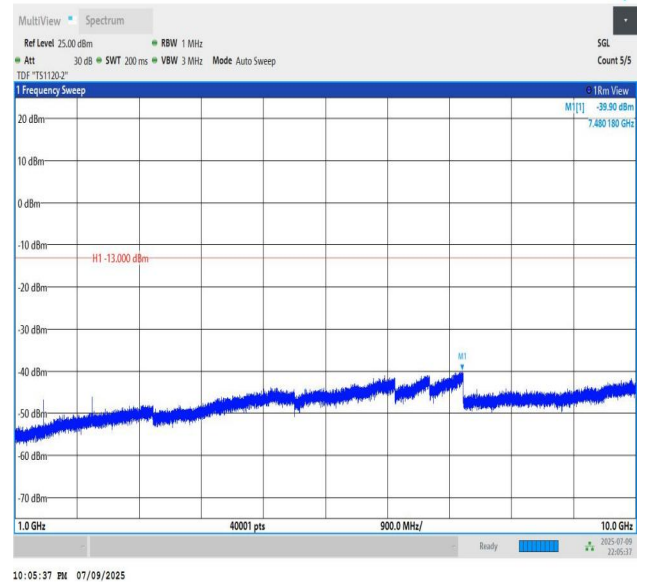
Band12-5MHz-QPSK-23095-PASS



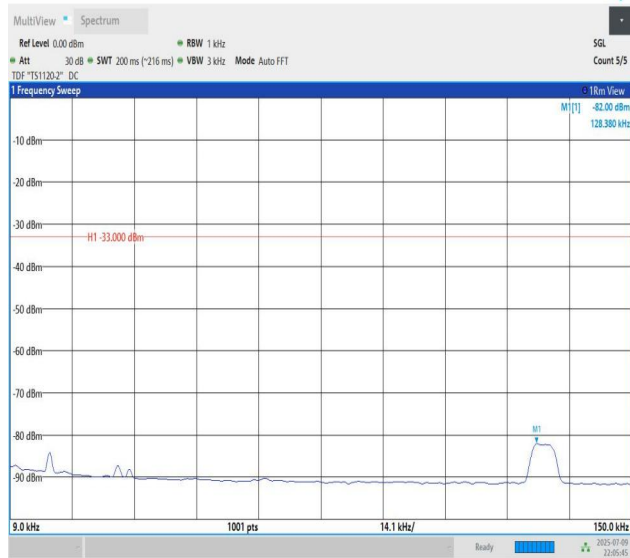
Band12-5MHz-QPSK-23095-PASS



Band12-5MHz-QPSK-23095-PASS

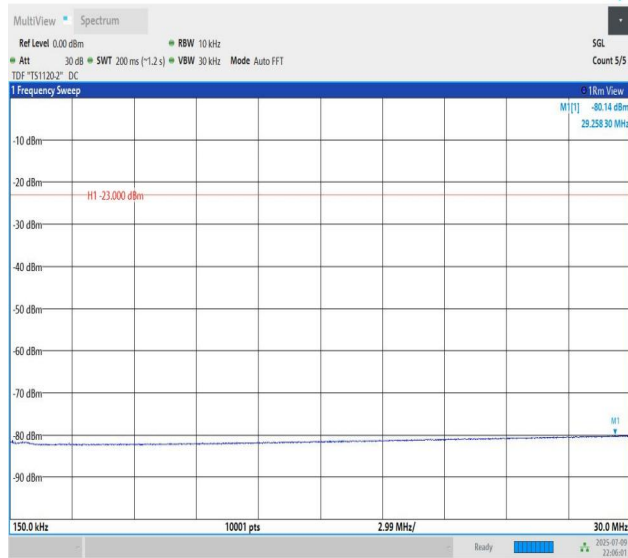


Band12-5MHz-QPSK-23095-PASS



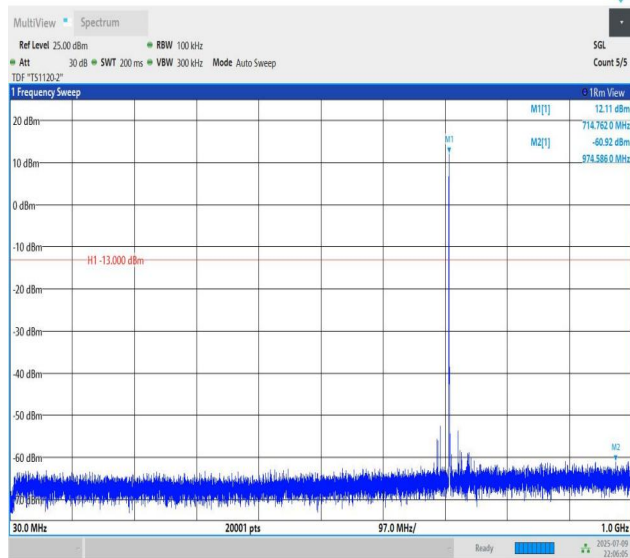
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Band12-5MHz-QPSK-23155-PASS



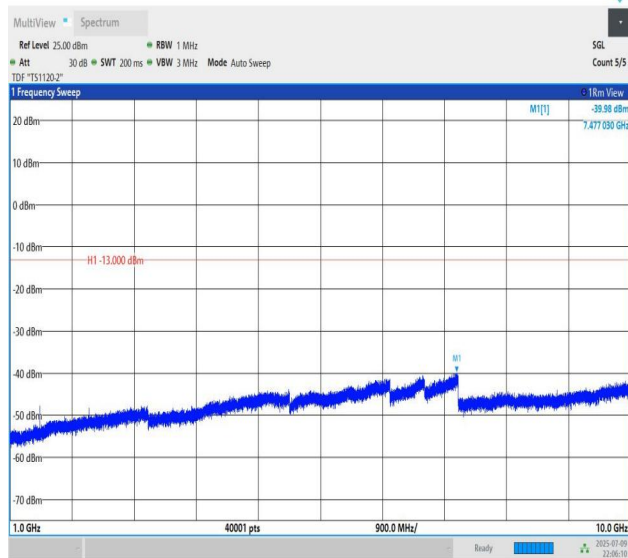
10:06:01 PM 07/09/2025

Band12-5MHz-QPSK-23155-PASS



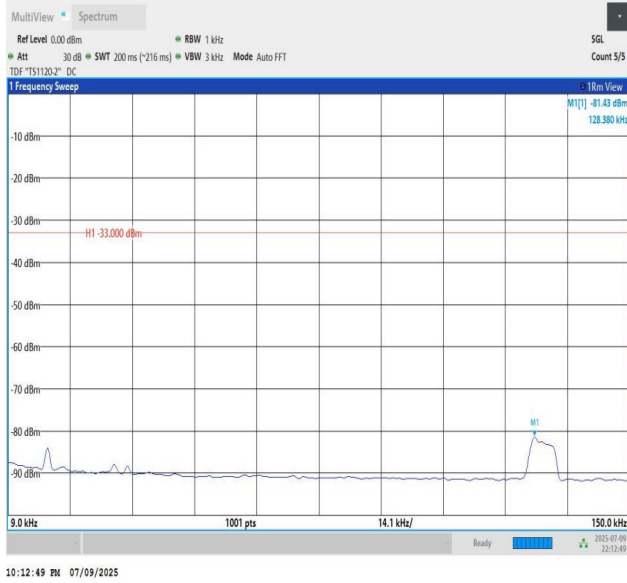
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Band12-5MHz-QPSK-23155-PASS

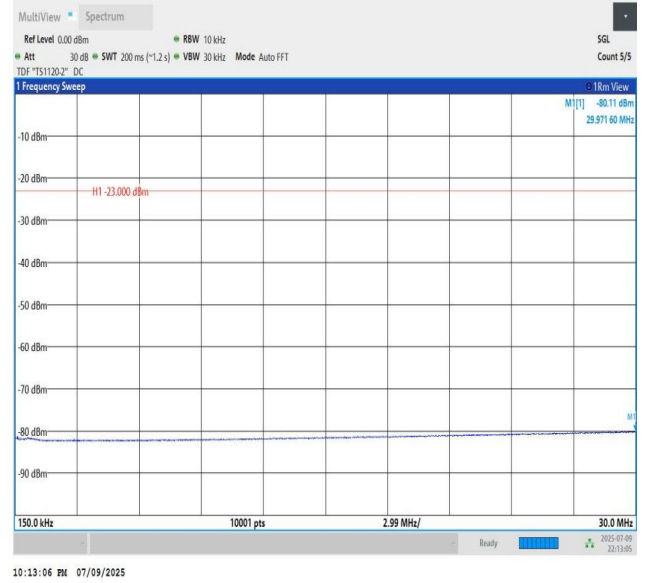


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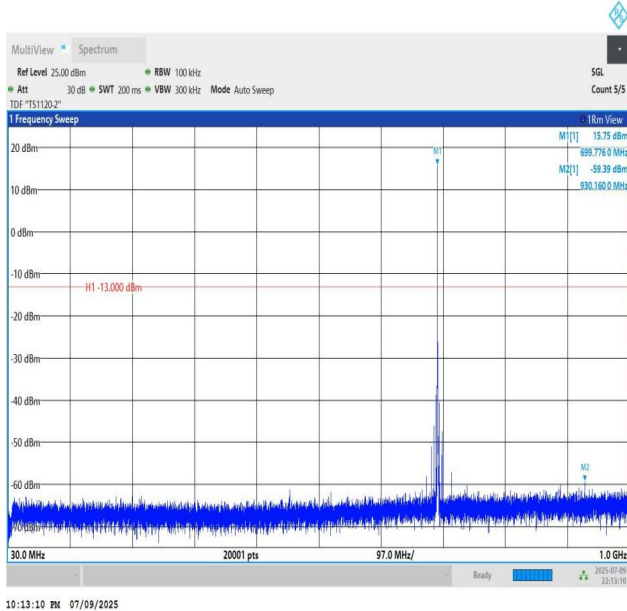
Band12-5MHz-QPSK-23155-PASS



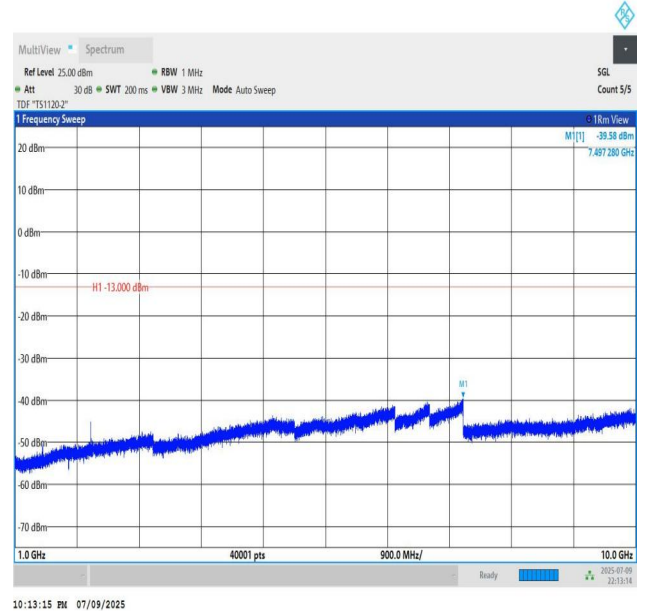
Band12-10MHz-QPSK-23060-PASS



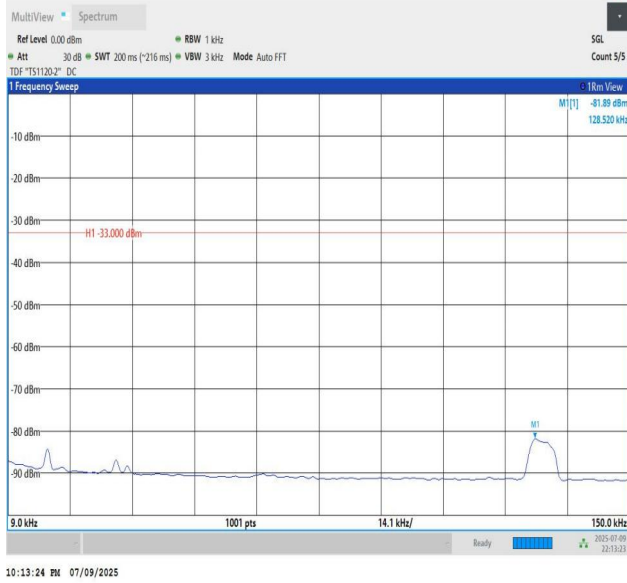
Band12-10MHz-QPSK-23060-PASS



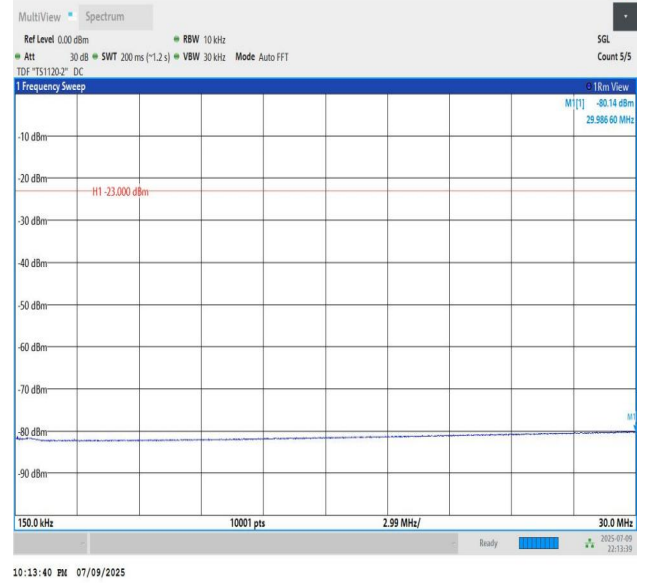
Band12-10MHz-QPSK-23060-PASS



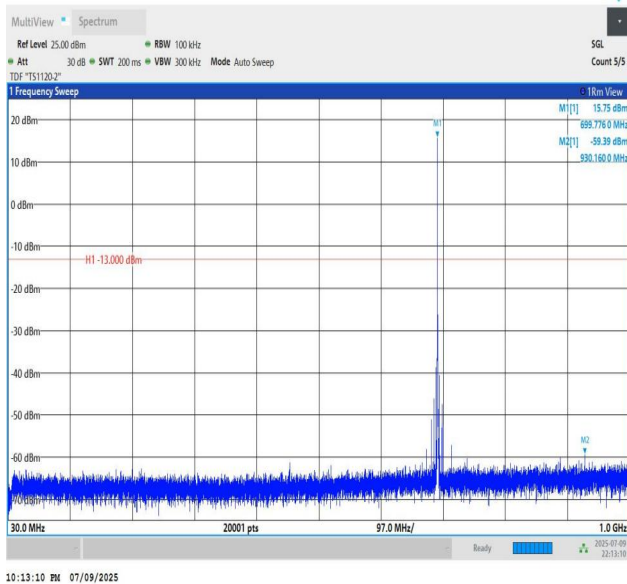
Band12-10MHz-QPSK-23060-PASS



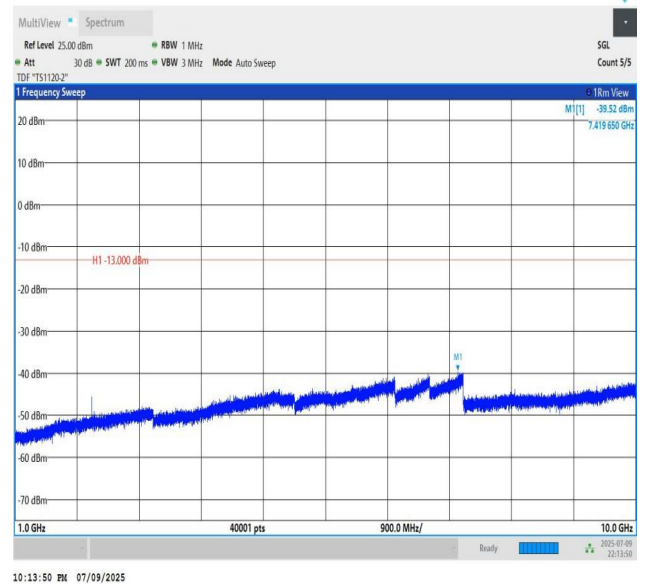
Band12-10MHz-QPSK-23095-PASS



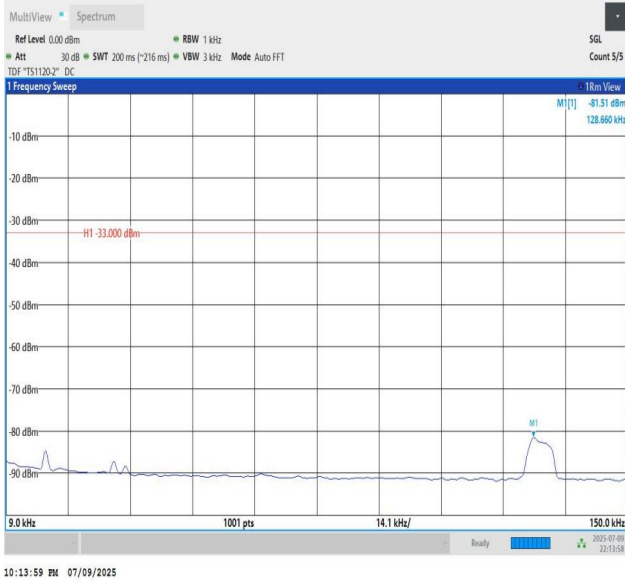
Band12-10MHz-QPSK-23095-PASS



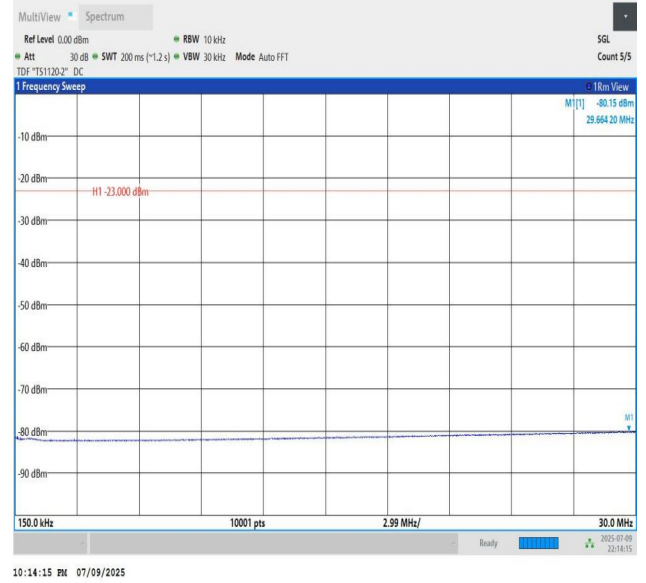
Band12-10MHz-QPSK-23095-PASS



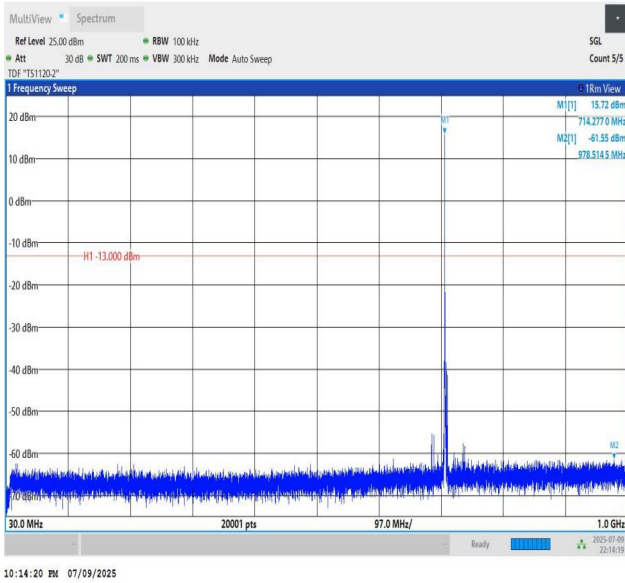
Band12-10MHz-QPSK-23095-PASS



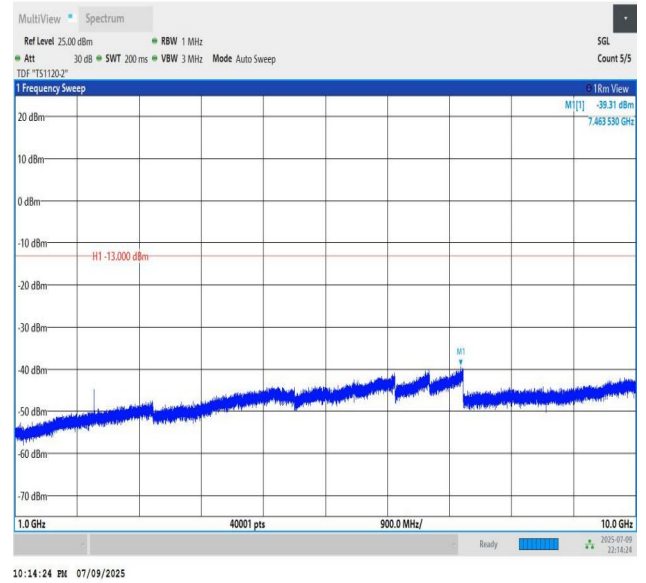
Band12-10MHz-QPSK-23130-PASS



Band12-10MHz-QPSK-23130-PASS



Band12-10MHz-QPSK-23130-PASS



Band12-10MHz-QPSK-23130-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	-4.96	-0.007011	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	VL	NT	-6.24	-0.008820	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	VH	NT	-3.74	-0.005286	±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	-6.21	-0.008777	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	NV	-20	-3.80	-0.005371	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	NV	-10	-4.09	-0.005781	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	NV	0	-4.81	-0.006799	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	NV	10	-4.62	-0.006530	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	NV	20	-5.97	-0.008438	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	NV	30	-3.24	-0.004580	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	NV	40	-4.18	-0.005908	±2.5	PASS
Band12	10MHz	QPSK	23095	6	0	Low	NV	50	-4.28	-0.006049	±2.5	PASS

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