

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
Band5	1.4MHz	QPSK	20407	1	0	Low	20.56	2.53	20.94	38.45	PASS
Band5	1.4MHz	16QAM	20407	1	0	Low	19.38	2.53	19.76	38.45	PASS
Band5	1.4MHz	QPSK	20407	1	5	Low	20.33	2.53	20.71	38.45	PASS
Band5	1.4MHz	16QAM	20407	1	5	Low	19.20	2.53	19.58	38.45	PASS
Band5	1.4MHz	QPSK	20407	6	0	Low	18.41	2.53	18.79	38.45	PASS
Band5	1.4MHz	16QAM	20407	6	0	Low	18.75	2.53	19.13	38.45	PASS
Band5	1.4MHz	QPSK	20525	1	0	Low	20.88	2.53	21.26	38.45	PASS
Band5	1.4MHz	16QAM	20525	1	0	Low	19.52	2.53	19.90	38.45	PASS
Band5	1.4MHz	QPSK	20525	1	5	Low	20.58	2.53	20.96	38.45	PASS
Band5	1.4MHz	16QAM	20525	1	5	Low	19.46	2.53	19.84	38.45	PASS
Band5	1.4MHz	QPSK	20525	6	0	Low	18.62	2.53	19.00	38.45	PASS
Band5	1.4MHz	16QAM	20525	6	0	Low	18.81	2.53	19.19	38.45	PASS
Band5	1.4MHz	QPSK	20643	1	0	High	20.57	2.53	20.95	38.45	PASS
Band5	1.4MHz	16QAM	20643	1	0	High	19.50	2.53	19.88	38.45	PASS
Band5	1.4MHz	QPSK	20643	1	5	High	20.39	2.53	20.77	38.45	PASS
Band5	1.4MHz	16QAM	20643	1	5	High	19.15	2.53	19.53	38.45	PASS
Band5	1.4MHz	QPSK	20643	6	0	High	18.55	2.53	18.93	38.45	PASS
Band5	3MHz	QPSK	20525	1	5	Low	20.58	2.53	20.96	38.45	PASS
Band5	3MHz	16QAM	20525	1	5	Low	19.46	2.53	19.84	38.45	PASS
Band5	3MHz	QPSK	20525	6	0	Low	18.71	2.53	19.09	38.45	PASS
Band5	3MHz	16QAM	20525	6	0	Low	18.81	2.53	19.19	38.45	PASS
Band5	3MHz	QPSK	20635	1	0	High	20.63	2.53	21.01	38.45	PASS
Band5	3MHz	16QAM	20635	1	0	High	19.49	2.53	19.87	38.45	PASS
Band5	3MHz	QPSK	20635	1	5	High	20.38	2.53	20.76	38.45	PASS
Band5	3MHz	16QAM	20635	1	5	High	19.41	2.53	19.79	38.45	PASS
Band5	3MHz	QPSK	20635	6	0	High	18.54	2.53	18.92	38.45	PASS
Band5	3MHz	16QAM	20635	6	0	High	18.68	2.53	19.06	38.45	PASS
Band5	5MHz	QPSK	20425	1	0	Low	20.27	2.53	20.65	38.45	PASS
Band5	5MHz	16QAM	20425	1	0	Low	20.35	2.53	20.73	38.45	PASS
Band5	5MHz	QPSK	20425	1	5	Low	20.20	2.53	20.58	38.45	PASS
Band5	5MHz	16QAM	20425	1	5	Low	20.12	2.53	20.50	38.45	PASS
Band5	5MHz	QPSK	20425	6	0	Low	19.52	2.53	19.90	38.45	PASS
Band5	5MHz	16QAM	20425	6	0	Low	19.59	2.53	19.97	38.45	PASS
Band5	5MHz	QPSK	20525	1	0	Low	20.74	2.53	21.12	38.45	PASS
Band5	5MHz	16QAM	20525	1	0	Low	20.41	2.53	20.79	38.45	PASS
Band5	5MHz	QPSK	20525	1	5	Low	20.31	2.53	20.69	38.45	PASS

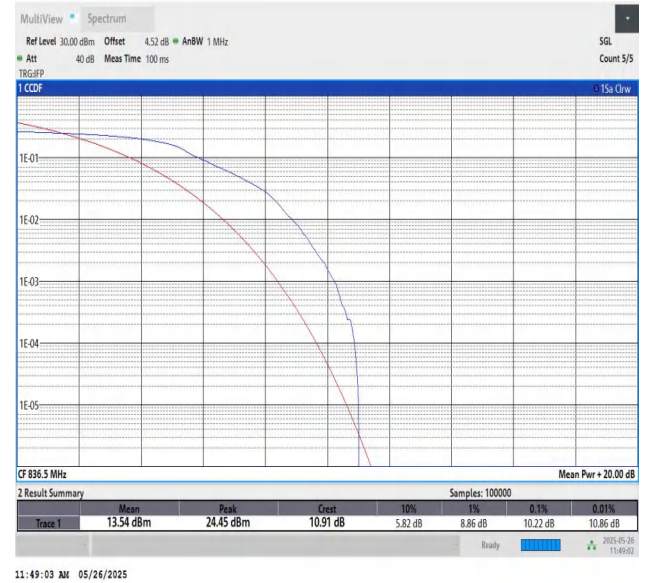
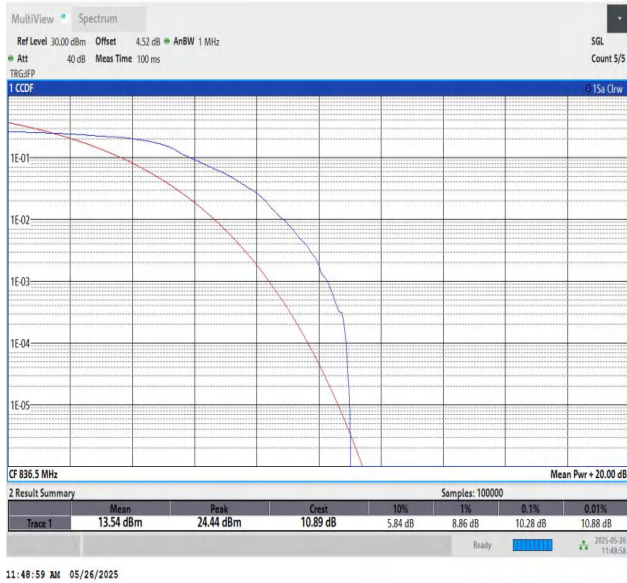
Band5	5MHz	16QAM	20525	1	5	Low	20.23	2.53	20.61	38.45	PASS
Band5	5MHz	QPSK	20525	6	0	Low	19.62	2.53	20.00	38.45	PASS
Band5	5MHz	16QAM	20525	6	0	Low	19.71	2.53	20.09	38.45	PASS
Band5	5MHz	QPSK	20625	1	0	High	20.42	2.53	20.80	38.45	PASS
Band5	5MHz	16QAM	20625	1	0	High	20.30	2.53	20.68	38.45	PASS
Band5	5MHz	QPSK	20625	1	5	High	20.21	2.53	20.59	38.45	PASS
Band5	5MHz	16QAM	20625	1	5	High	20.11	2.53	20.49	38.45	PASS
Band5	5MHz	QPSK	20625	6	0	High	19.41	2.53	19.79	38.45	PASS
Band5	5MHz	16QAM	20625	6	0	High	19.52	2.53	19.90	38.45	PASS
Band5	10MHz	QPSK	20450	1	0	Low	20.41	2.53	20.79	38.45	PASS
Band5	10MHz	16QAM	20450	1	0	Low	20.40	2.53	20.78	38.45	PASS
Band5	10MHz	QPSK	20450	1	5	Low	20.21	2.53	20.59	38.45	PASS
Band5	10MHz	16QAM	20450	1	5	Low	20.13	2.53	20.51	38.45	PASS
Band5	10MHz	QPSK	20450	6	0	Low	19.40	2.53	19.78	38.45	PASS
Band5	10MHz	16QAM	20450	6	0	Low	19.58	2.53	19.96	38.45	PASS
Band5	10MHz	QPSK	20525	1	0	Low	20.74	2.53	21.12	38.45	PASS
Band5	10MHz	16QAM	20525	1	0	Low	20.49	2.53	20.87	38.45	PASS
Band5	10MHz	QPSK	20525	1	5	Low	20.30	2.53	20.68	38.45	PASS
Band5	10MHz	16QAM	20525	1	5	Low	20.24	2.53	20.62	38.45	PASS
Band5	10MHz	QPSK	20525	6	0	Low	19.61	2.53	19.99	38.45	PASS
Band5	10MHz	16QAM	20525	6	0	Low	19.69	2.53	20.07	38.45	PASS
Band5	10MHz	QPSK	20600	1	0	High	20.59	2.53	20.97	38.45	PASS
Band5	10MHz	16QAM	20600	1	0	High	20.48	2.53	20.86	38.45	PASS
Band5	10MHz	QPSK	20600	1	5	High	20.37	2.53	20.75	38.45	PASS
Band5	10MHz	16QAM	20600	1	5	High	20.28	2.53	20.66	38.45	PASS
Band5	10MHz	QPSK	20600	6	0	High	19.31	2.53	19.69	38.45	PASS
Band5	10MHz	16QAM	20600	6	0	High	19.53	2.53	19.91	38.45	PASS
Band5	1.4MHz	16QAM	20643	6	0	High	18.67	2.53	19.05	38.45	PASS
Band5	3MHz	QPSK	20415	1	0	Low	20.52	2.53	20.90	38.45	PASS
Band5	3MHz	16QAM	20415	1	0	Low	19.36	2.53	19.74	38.45	PASS
Band5	3MHz	QPSK	20415	1	5	Low	20.45	2.53	20.83	38.45	PASS
Band5	3MHz	16QAM	20415	1	5	Low	19.32	2.53	19.70	38.45	PASS
Band5	3MHz	QPSK	20415	6	0	Low	18.61	2.53	18.99	38.45	PASS
Band5	3MHz	16QAM	20415	6	0	Low	18.75	2.53	19.13	38.45	PASS
Band5	3MHz	QPSK	20525	1	0	Low	20.79	2.53	21.17	38.45	PASS
Band5	3MHz	16QAM	20525	1	0	Low	19.60	2.53	19.98	38.45	PASS

Peak-to-Average Ratio(CCDF) for M1

Test Result

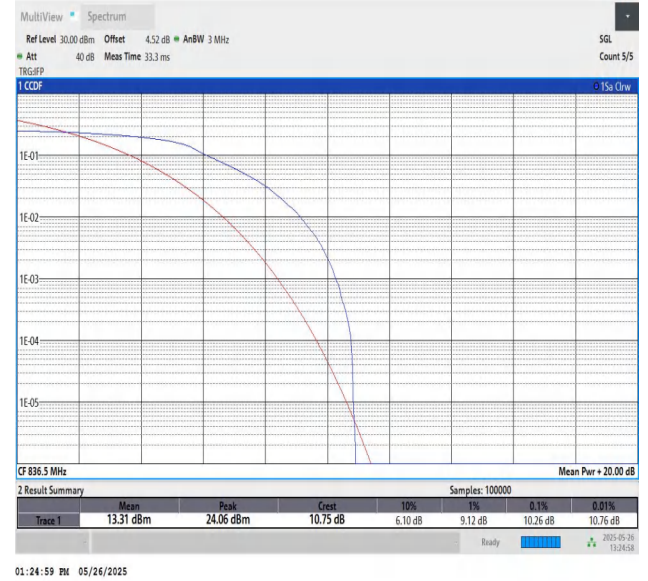
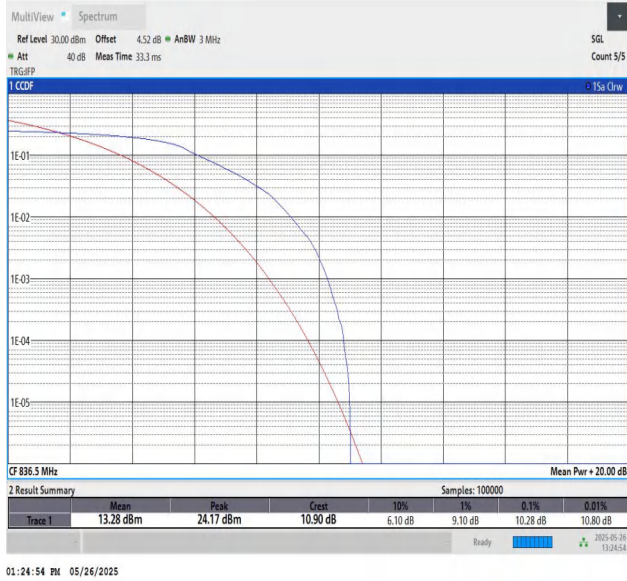
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	20525	QPSK	6	0	Low	10.28	13	PASS
Band5	1.4MHz	20525	16QAM	6	0	Low	10.22	13	PASS
Band5	3MHz	20525	QPSK	6	0	Low	10.28	13	PASS
Band5	3MHz	20525	16QAM	6	0	Low	10.26	13	PASS
Band5	5MHz	20525	QPSK	6	0	Low	9.90	13	PASS
Band5	5MHz	20525	16QAM	6	0	Low	9.90	13	PASS
Band5	10MHz	20525	QPSK	6	0	Low	9.92	13	PASS
Band5	10MHz	20525	16QAM	6	0	Low	9.90	13	PASS

Test Graphs



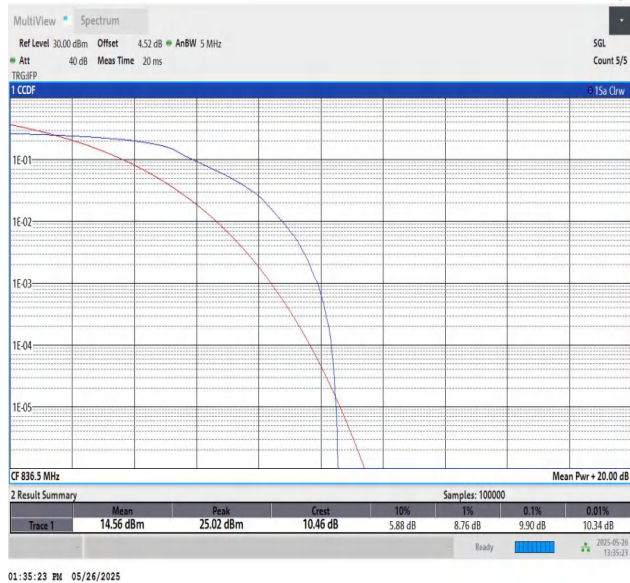
Band5-1.4MHz-QPSK-20525-PASS

Band5-1.4MHz-16QAM-20525-PASS

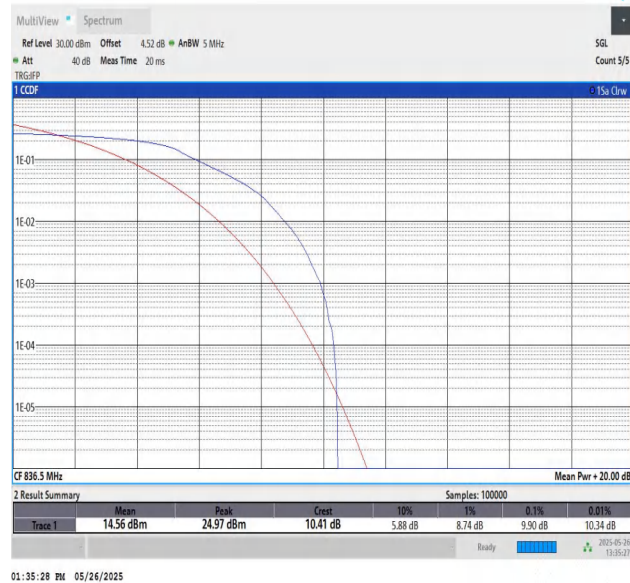


Band5-3MHz-QPSK-20525-PASS

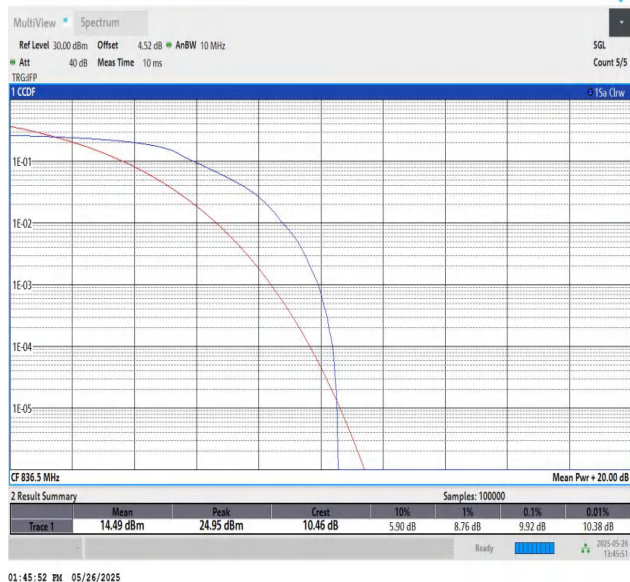
Band5-3MHz-16QAM-20525-PASS



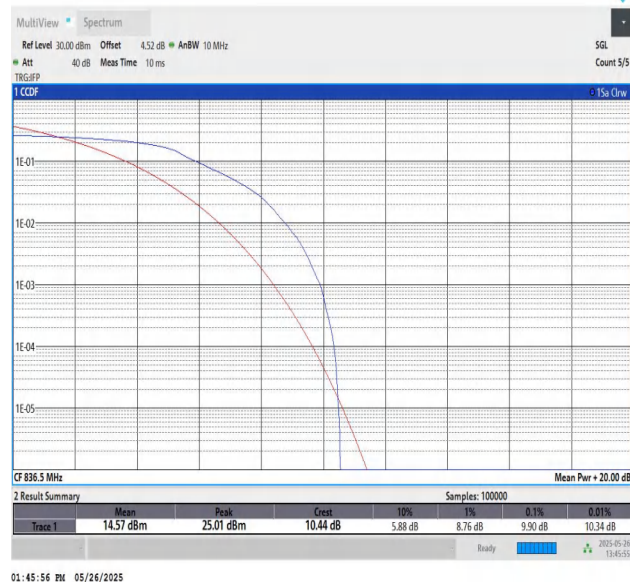
Band5-5MHz-QPSK-20525-PASS



Band5-5MHz-16QAM-20525-PASS



Band5-10MHz-QPSK-20525-PASS



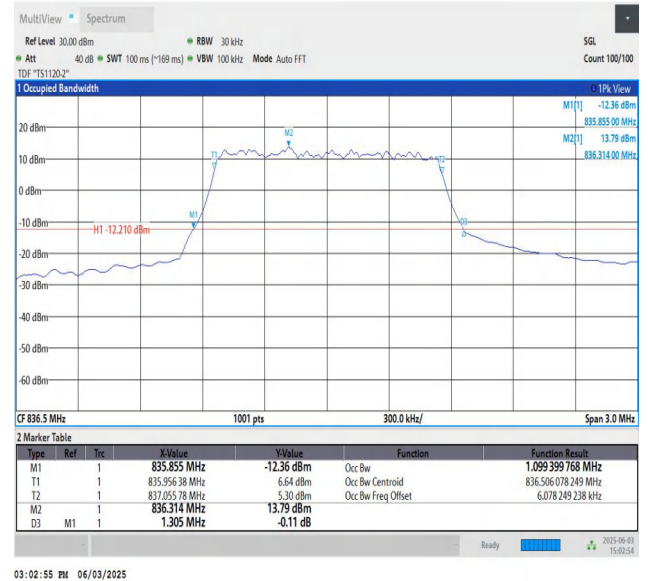
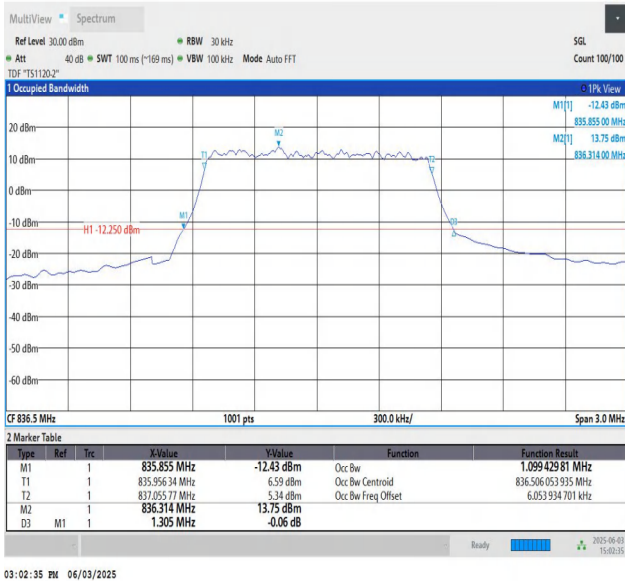
Band5-10MHz-16QAM-20525-PASS

26dB Bandwidth and Occupied Bandwidth for M1

Test Result

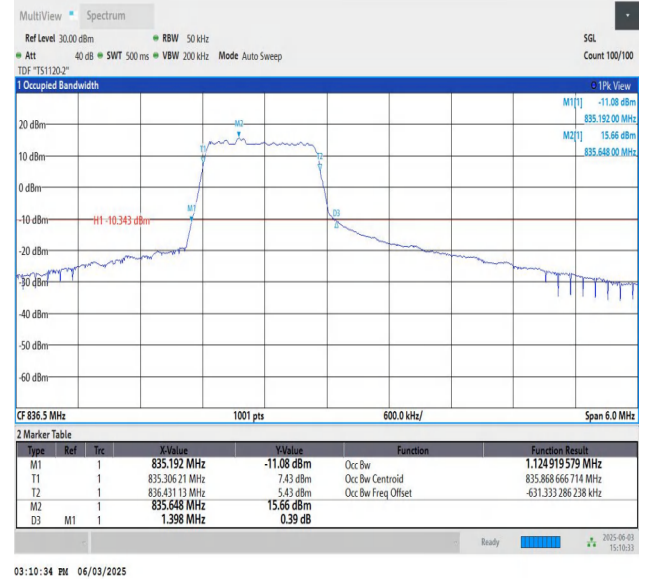
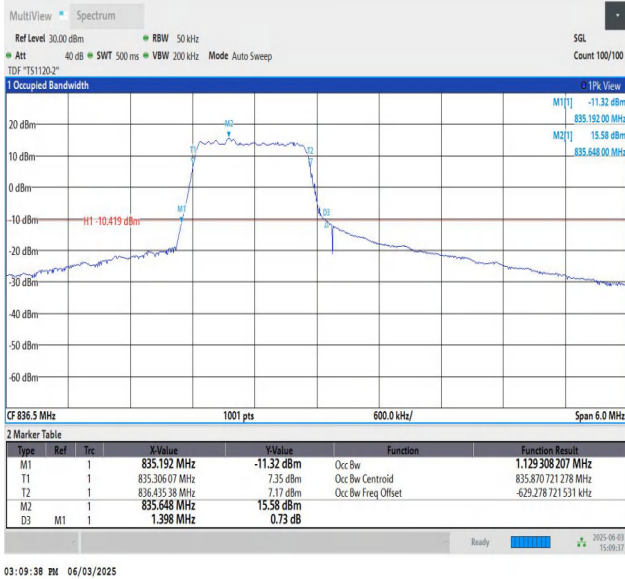
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	20525	QPSK	6	0	Low	1.099	1.305	PASS
Band5	1.4MHz	20525	16QAM	6	0	Low	1.099	1.305	PASS
Band5	3MHz	20525	QPSK	6	0	Low	1.129	1.398	PASS
Band5	3MHz	20525	16QAM	6	0	Low	1.125	1.398	PASS
Band5	5MHz	20525	QPSK	6	0	Low	1.209	1.650	PASS
Band5	5MHz	20525	16QAM	6	0	Low	1.208	1.650	PASS
Band5	10MHz	20525	QPSK	6	0	Low	1.433	2.440	PASS
Band5	10MHz	20525	16QAM	6	0	Low	1.436	2.420	PASS

Test Graphs



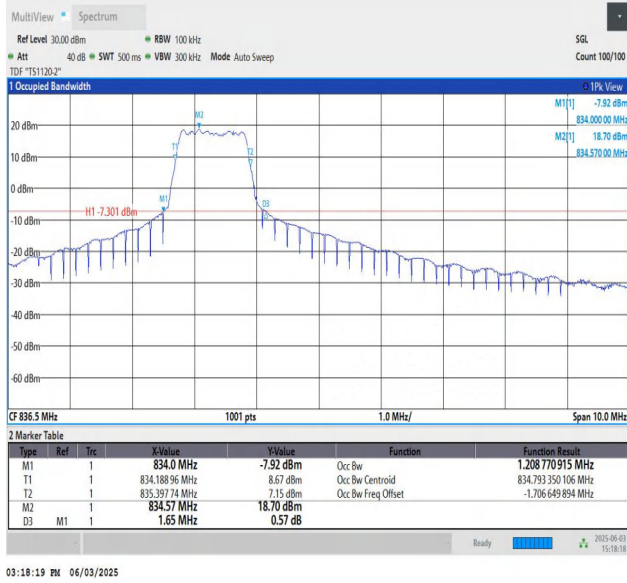
Band5-1.4MHz-QPSK-20525-PASS

Band5-1.4MHz-16QAM-20525-PASS



Band5-3MHz-QPSK-20525-PASS

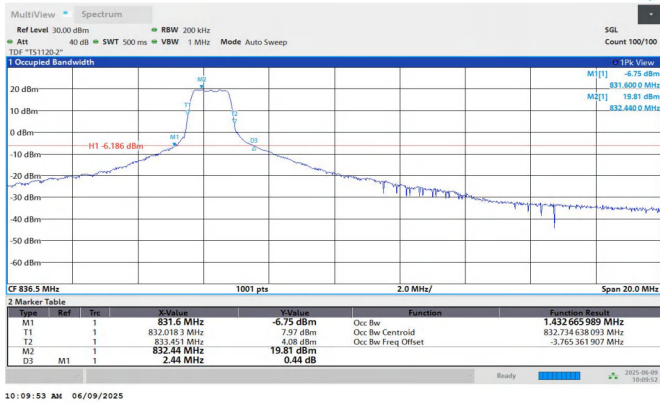
Band5-3MHz-16QAM-20525-PASS



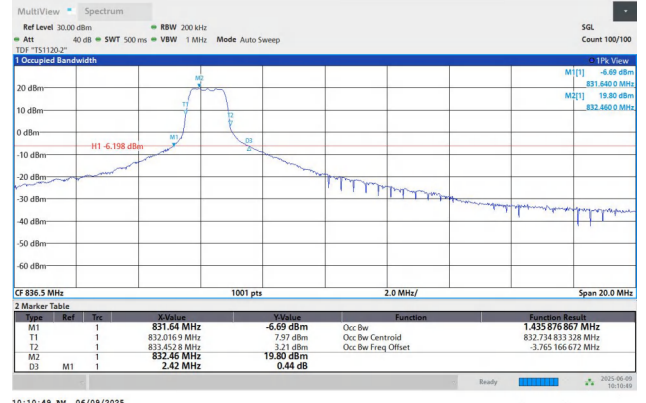
Band5-5MHz-QPSK-20525-PASS



Band5-5MHz-16QAM-20525-PASS



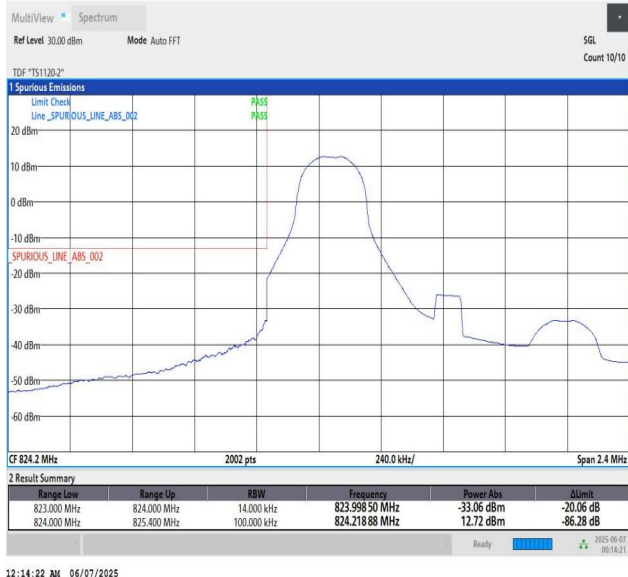
Band5-10MHz-QPSK-20525-PASS



Band5-10MHz-16QAM-20525-PASS

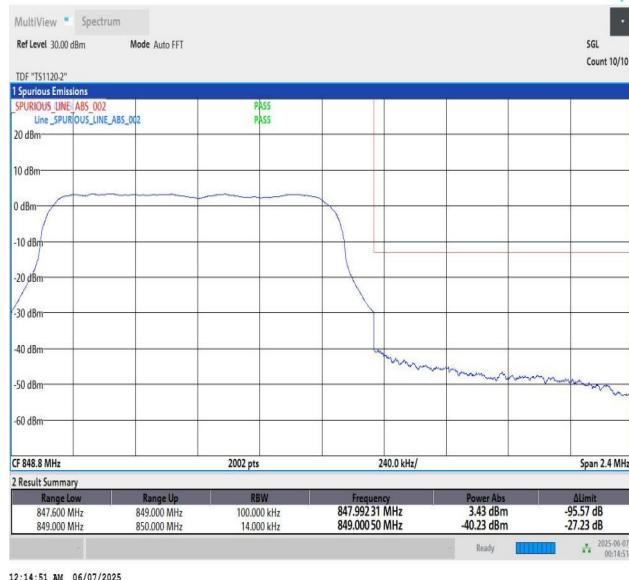
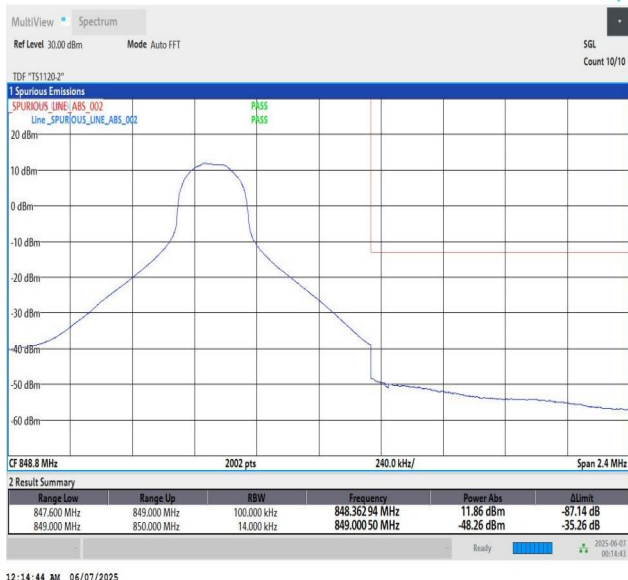
Band Edge for M1

Test Graphs



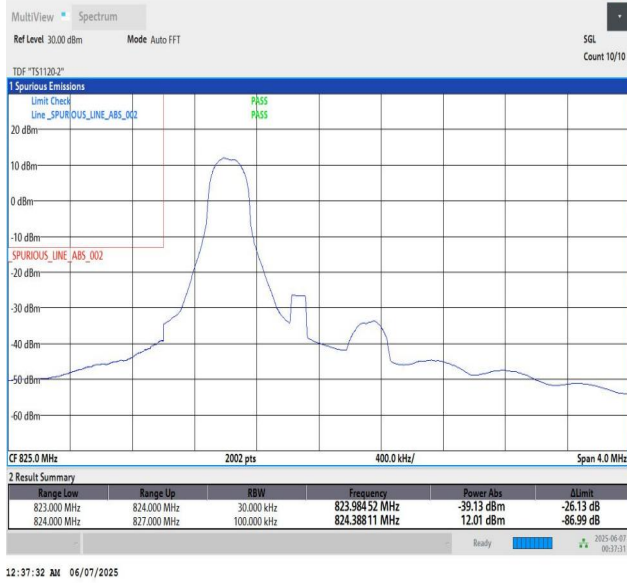
Band5_1.4MHz_QPSK_20407_1_Low

Band5_1.4MHz_QPSK_20407_6_Low

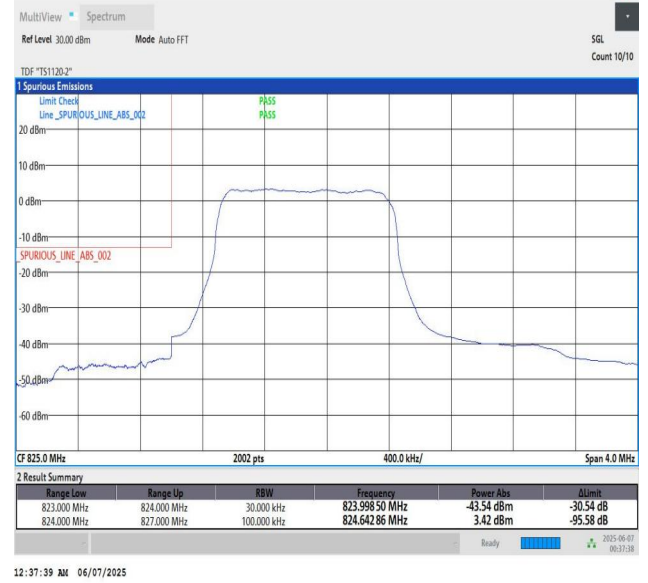


Band5_1.4MHz_QPSK_20643_1_High

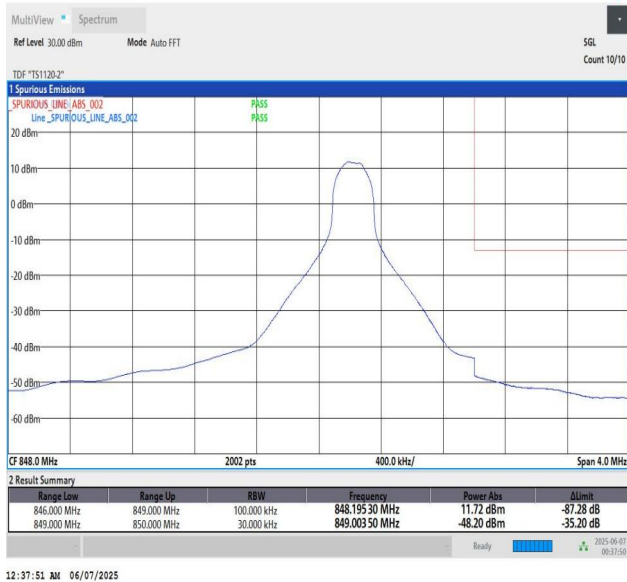
Band5_1.4MHz_QPSK_20643_6_High



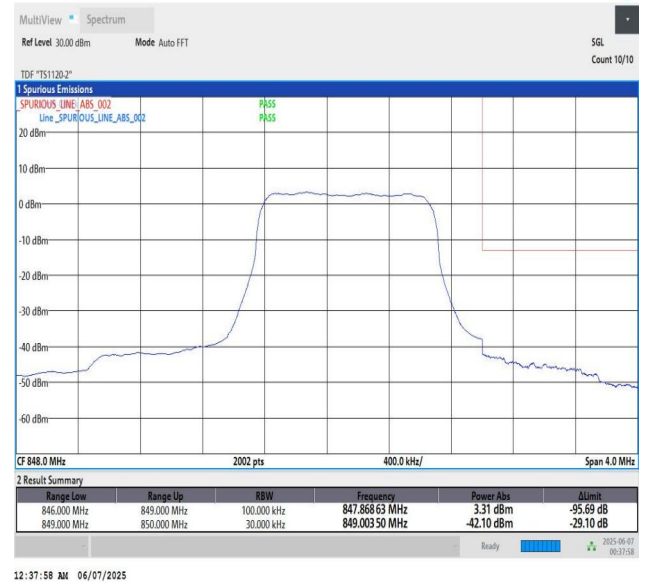
Band5_3MHz_QPSK_20415_1_Low



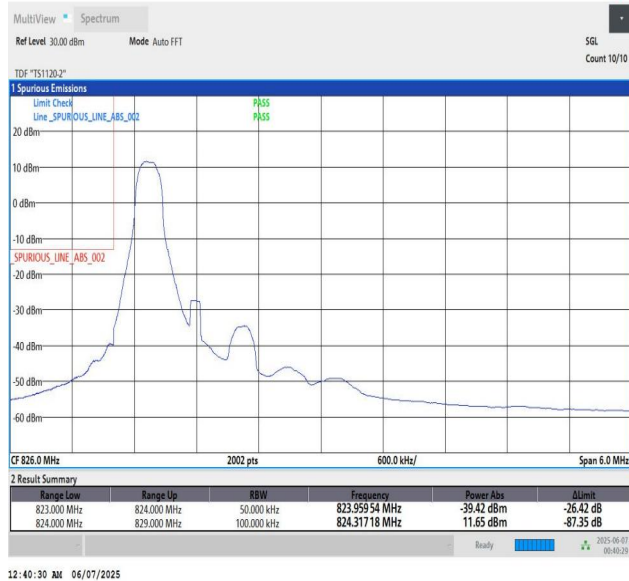
Band5_3MHz_QPSK_20415_6_Low



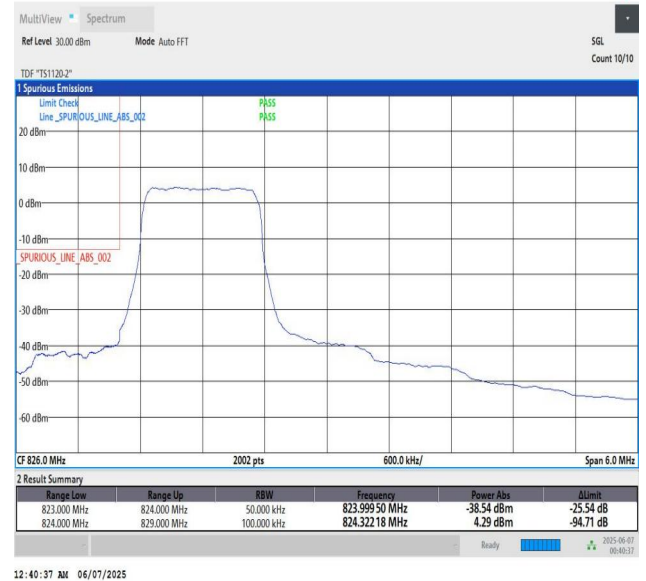
Band5_3MHz_QPSK_20635_1_High



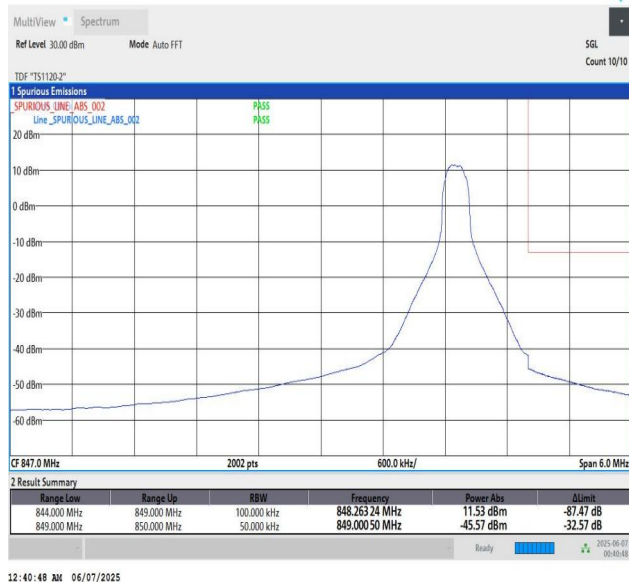
Band5_3MHz_QPSK_20635_6_High



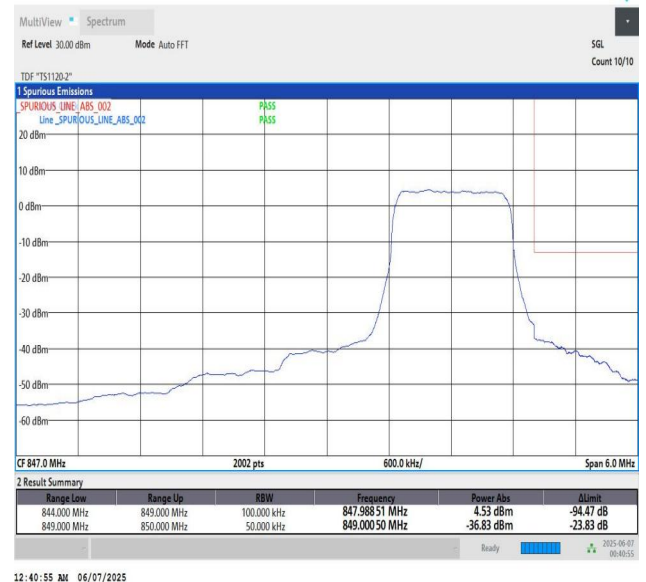
Band5_5MHz_QPSK_20425_1_Low



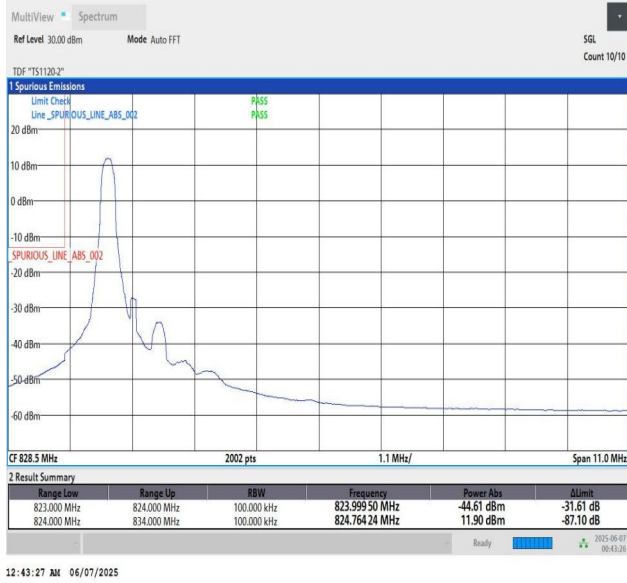
Band5_5MHz_QPSK_20425_6_Low



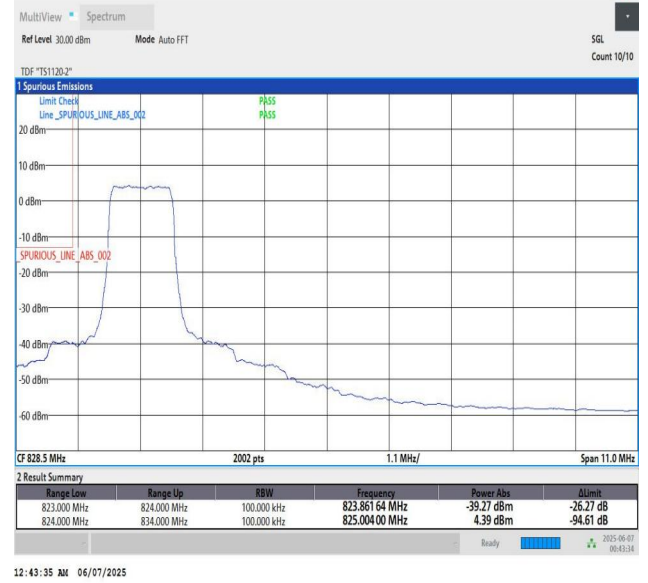
Band5_5MHz_QPSK_20625_1_High



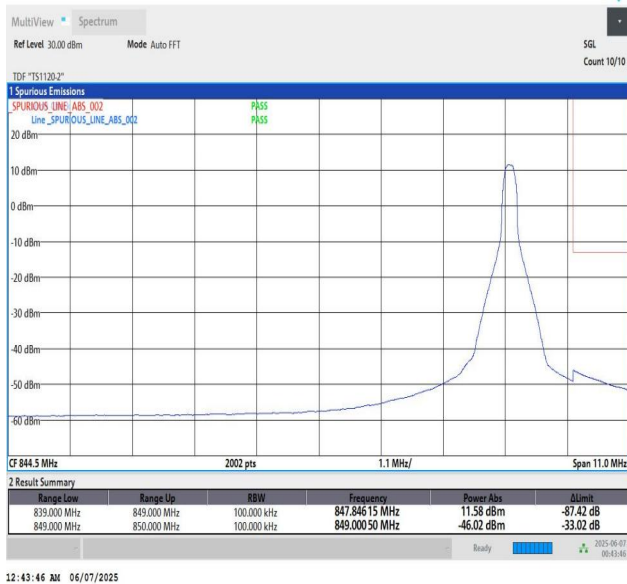
Band5_5MHz_QPSK_20625_6_High



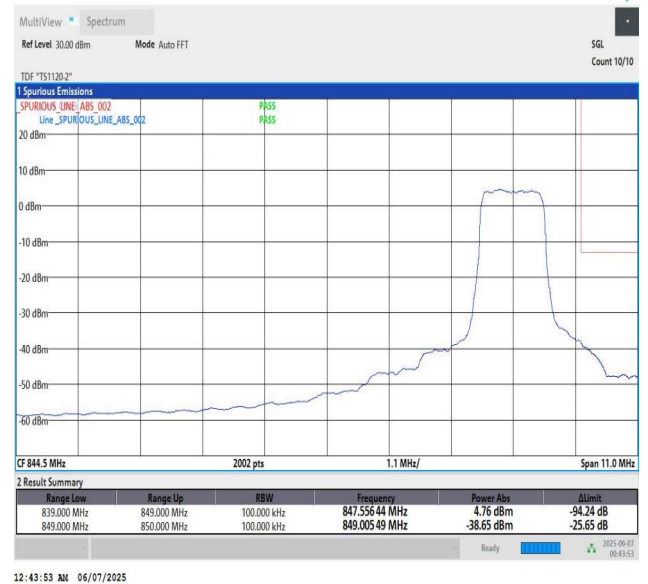
Band5_10MHz_QPSK_20450_1_Low



Band5_10MHz_QPSK_20450_6_Low



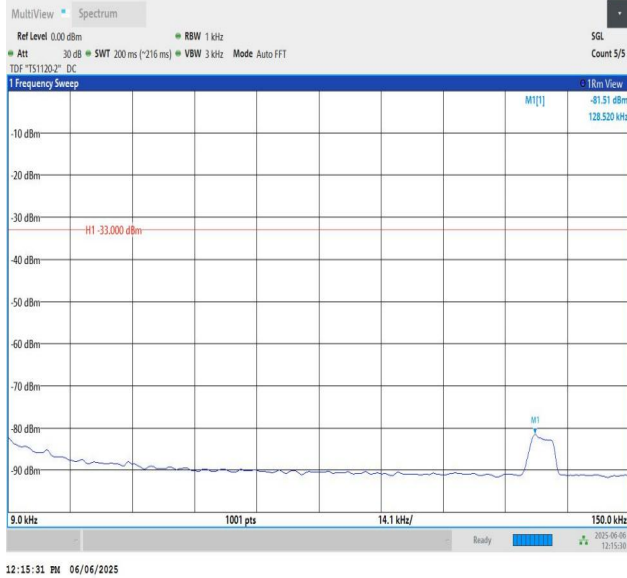
Band5_10MHz_QPSK_20600_1_High



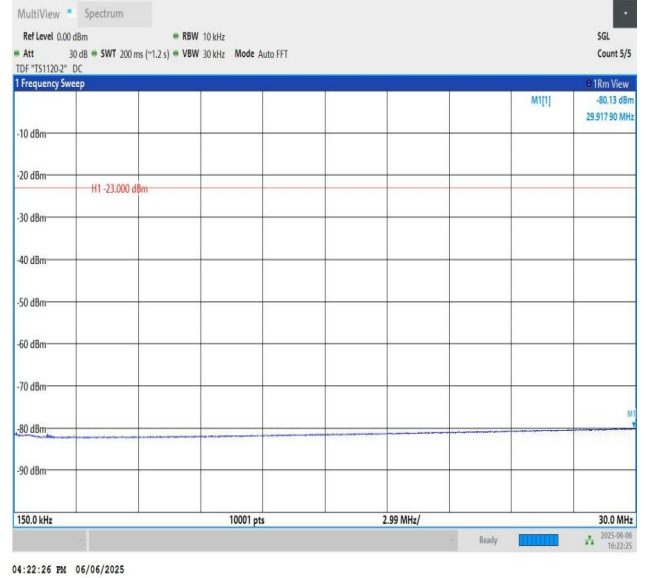
Band5_10MHz_QPSK_20600_6_High

Conducted Spurious Emission for M1

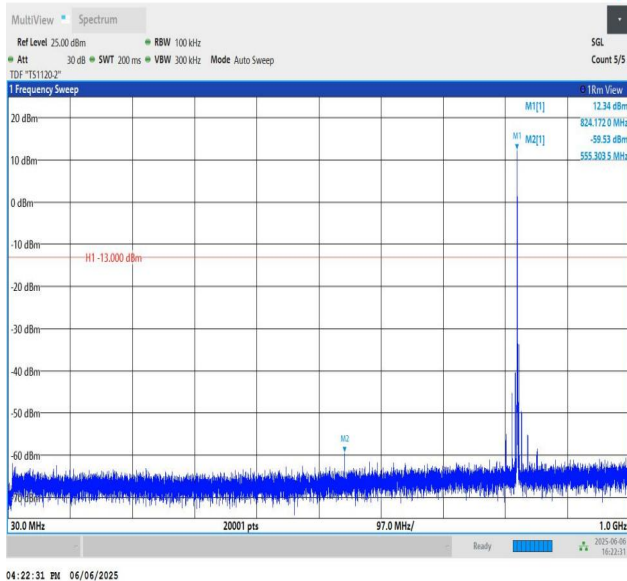
Test Graphs



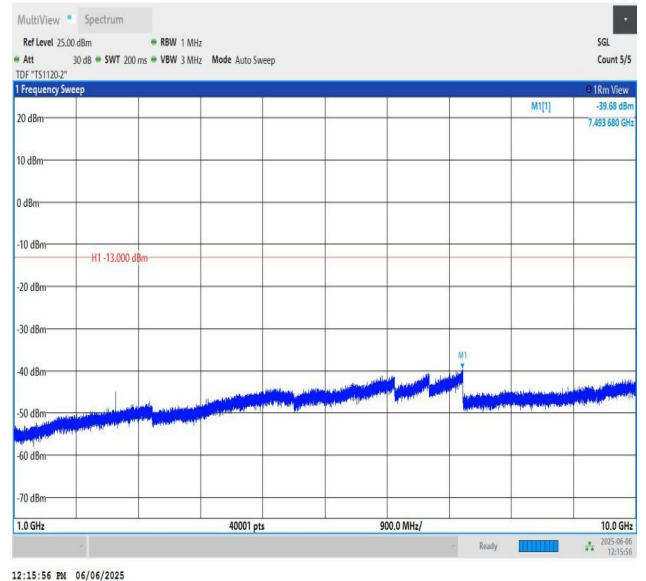
Band5-1.4MHz-QPSK-20407-PASS



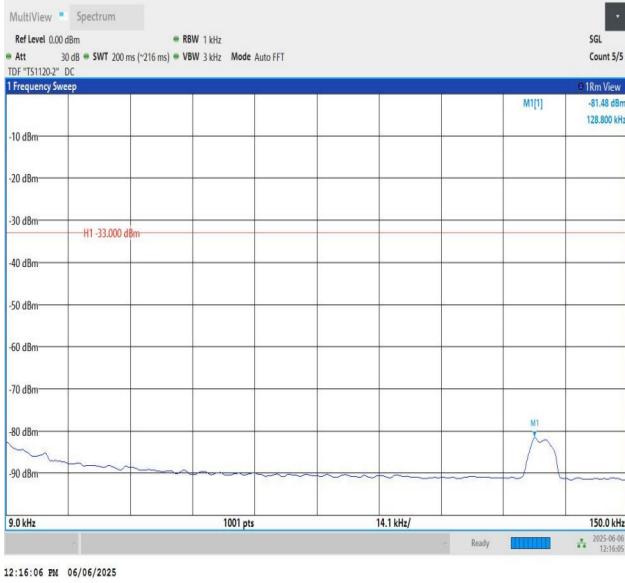
Band5-1.4MHz-QPSK-20407-PASS



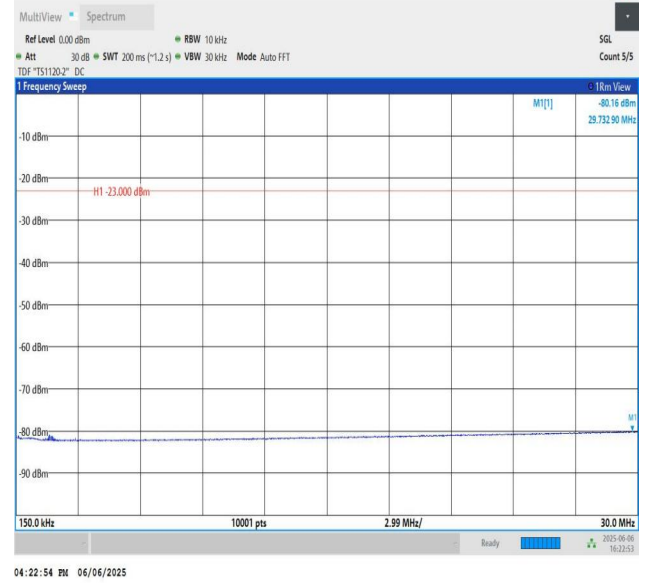
Band5-1.4MHz-QPSK-20407-PASS



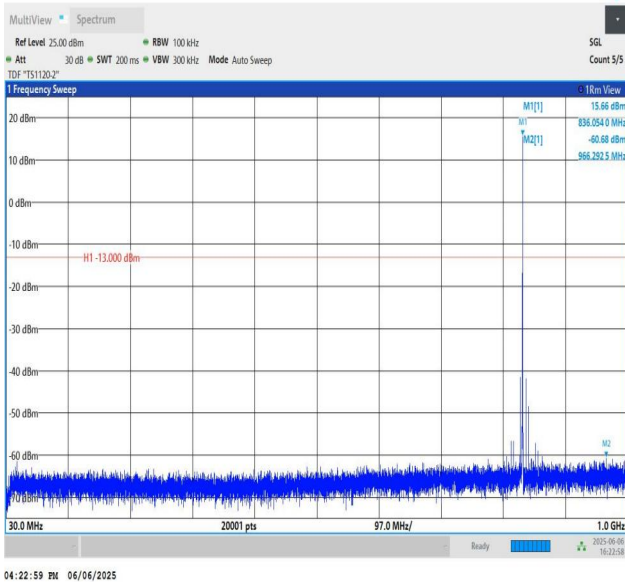
Band5-1.4MHz-QPSK-20407-PASS



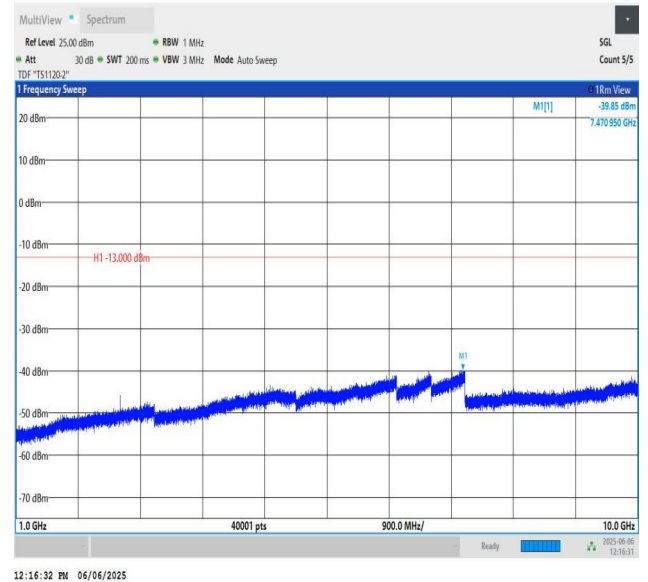
Band5-1.4MHz-QPSK-20525-PASS



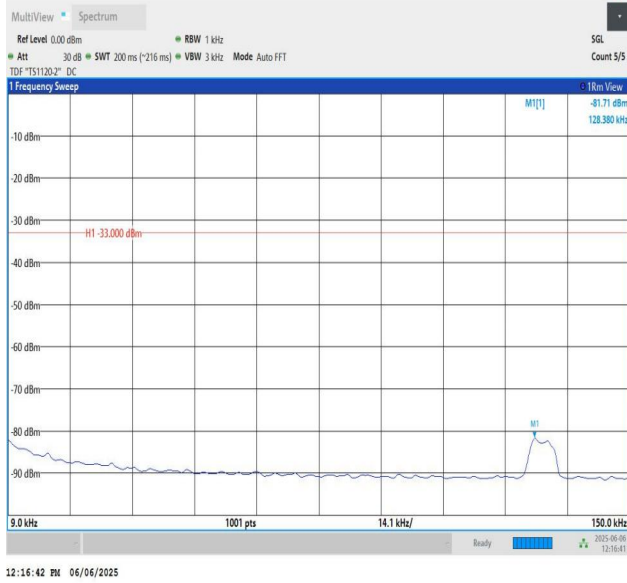
Band5-1.4MHz-QPSK-20525-PASS



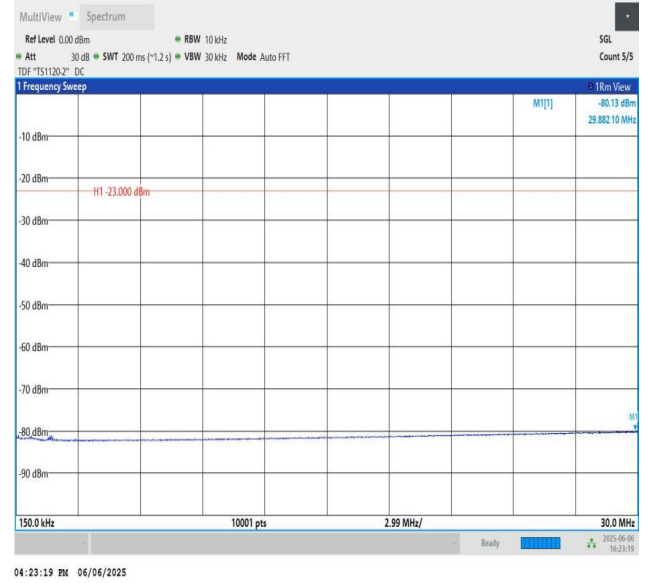
Band5-1.4MHz-QPSK-20525-PASS



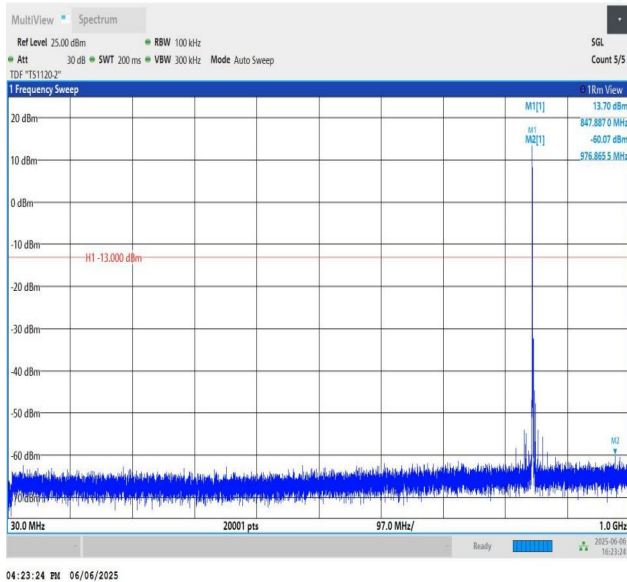
Band5-1.4MHz-QPSK-20525-PASS



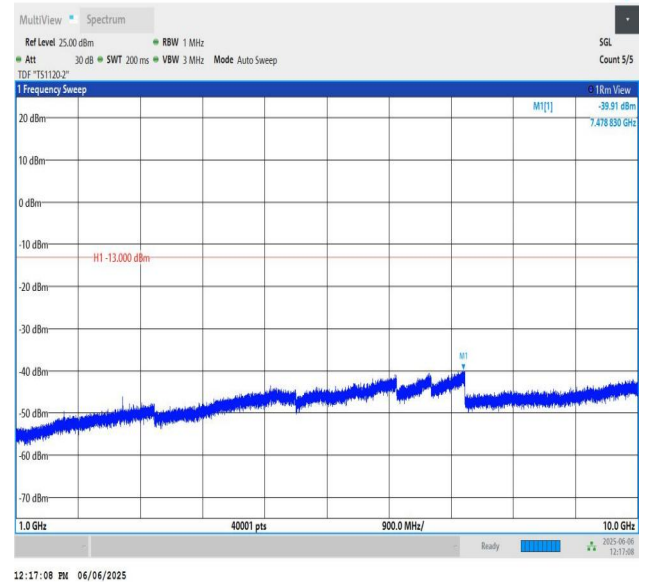
Band5-1.4MHz-QPSK-20643-PASS



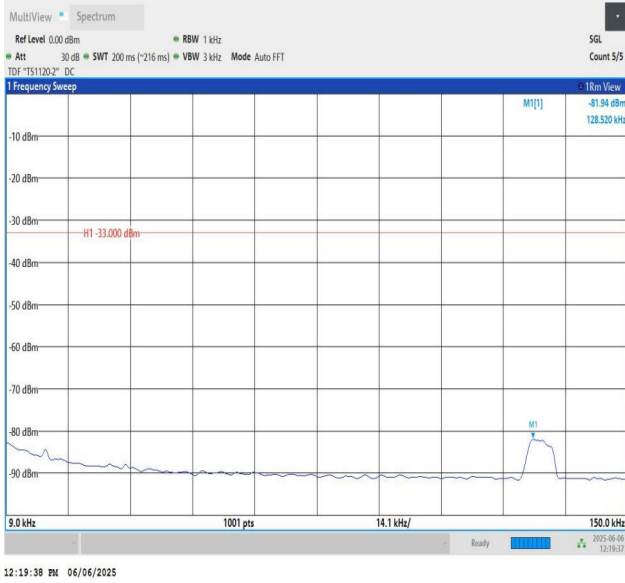
Band5-1.4MHz-QPSK-20643-PASS



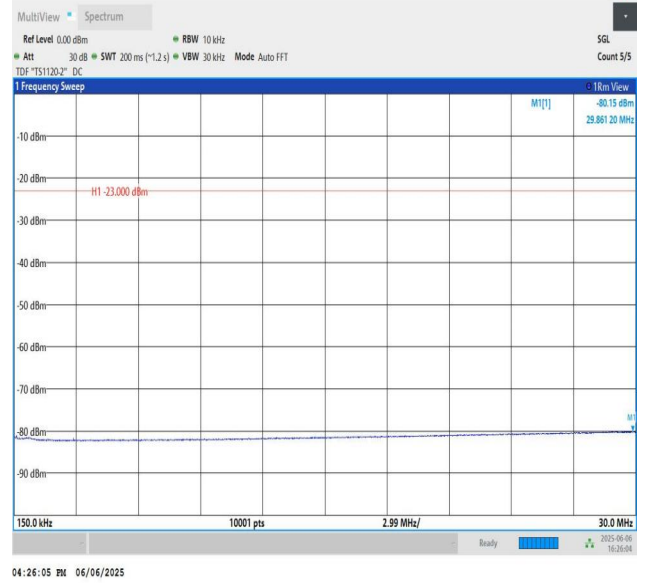
Band5-1.4MHz-QPSK-20643-PASS



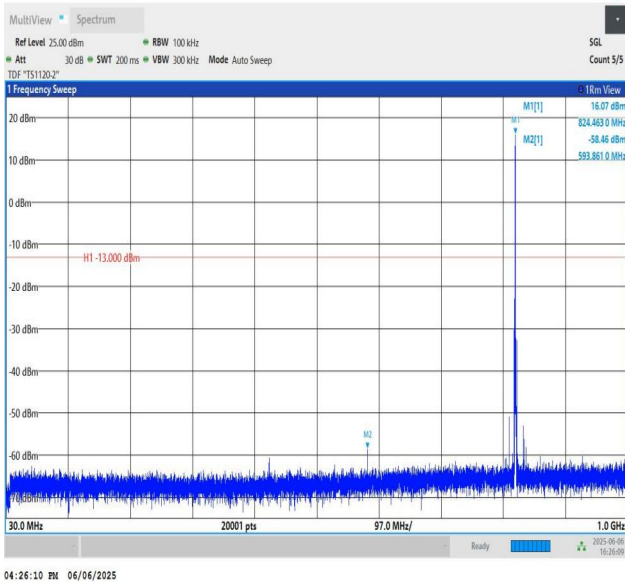
Band5-1.4MHz-QPSK-20643-PASS



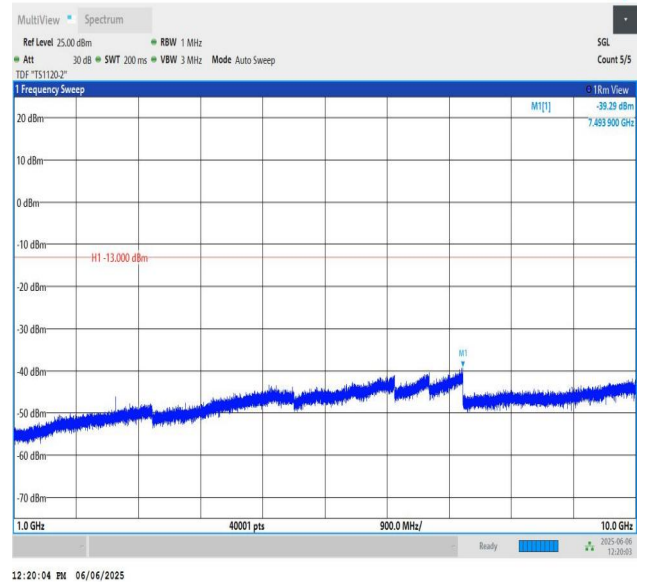
Band5-3MHz-QPSK-20415-PASS



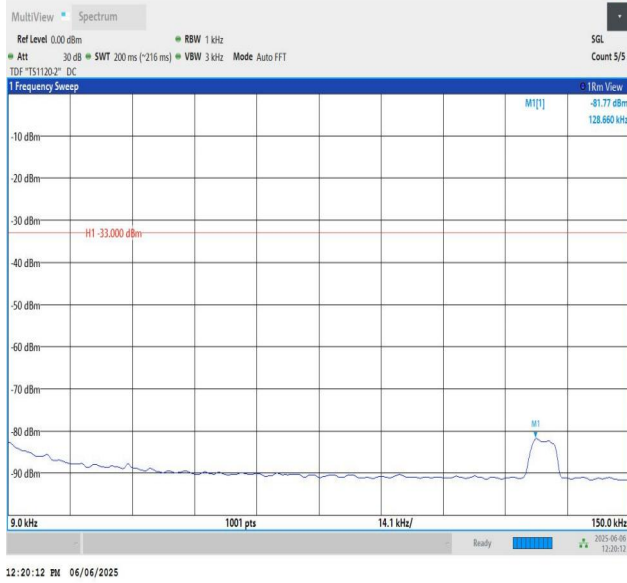
Band5-3MHz-QPSK-20415-PASS



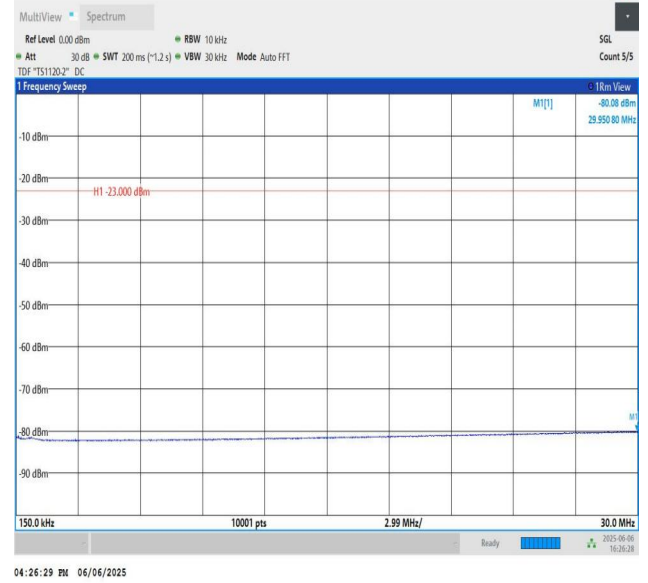
Band5-3MHz-QPSK-20415-PASS



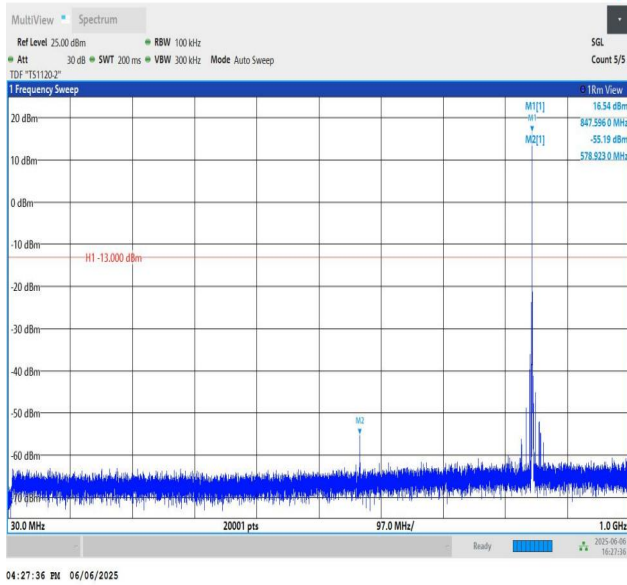
Band5-3MHz-QPSK-20415-PASS



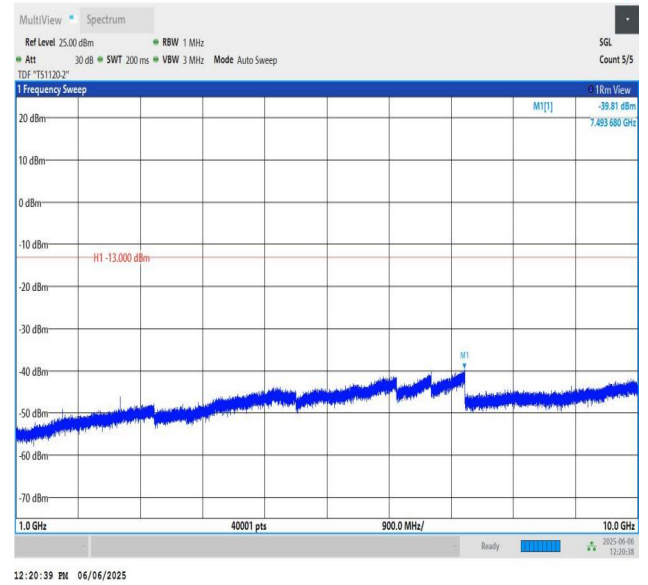
Band5-3MHz-QPSK-20525-PASS



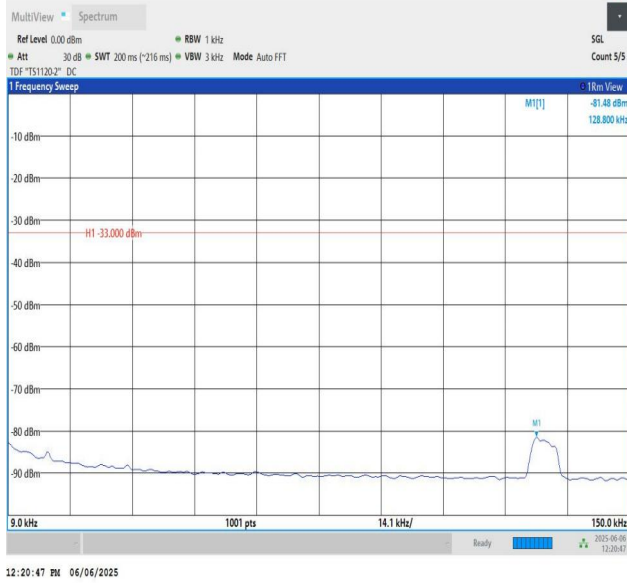
Band5-3MHz-QPSK-20525-PASS



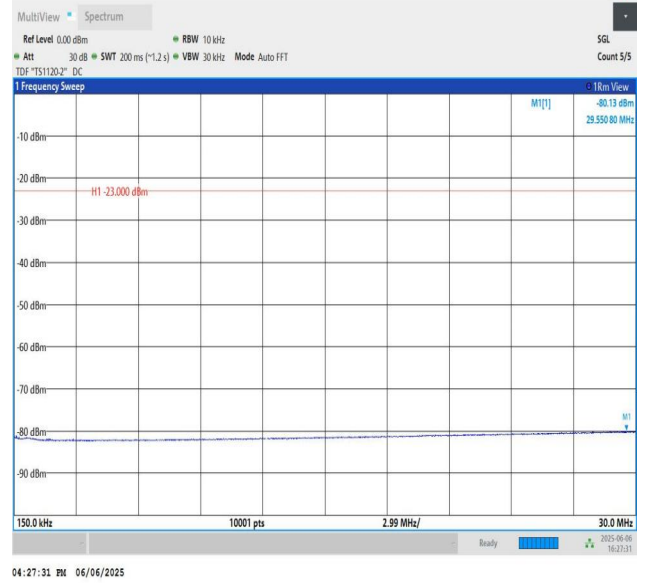
Band5-3MHz-QPSK-20525-PASS



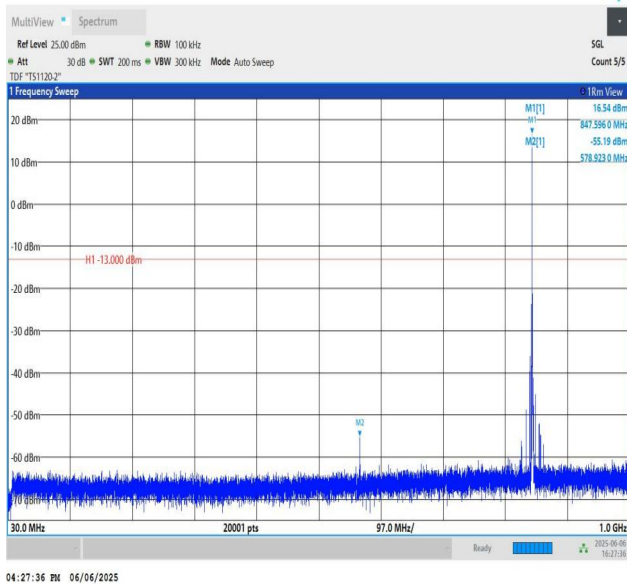
Band5-3MHz-QPSK-20525-PASS



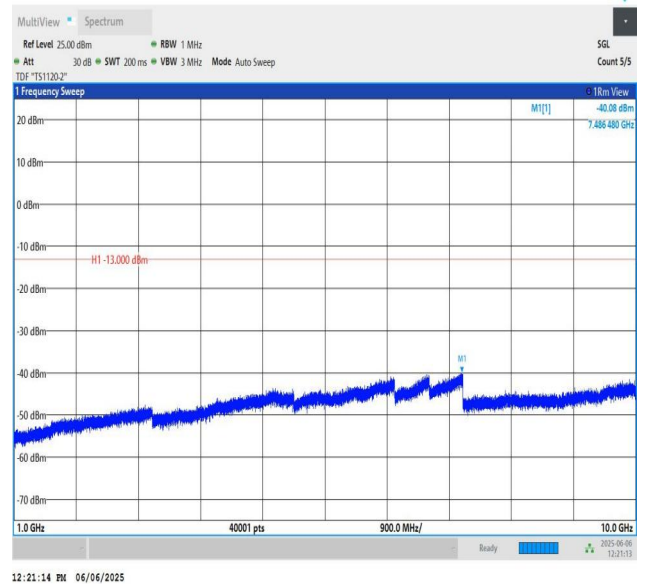
Band5-3MHz-QPSK-20635-PASS



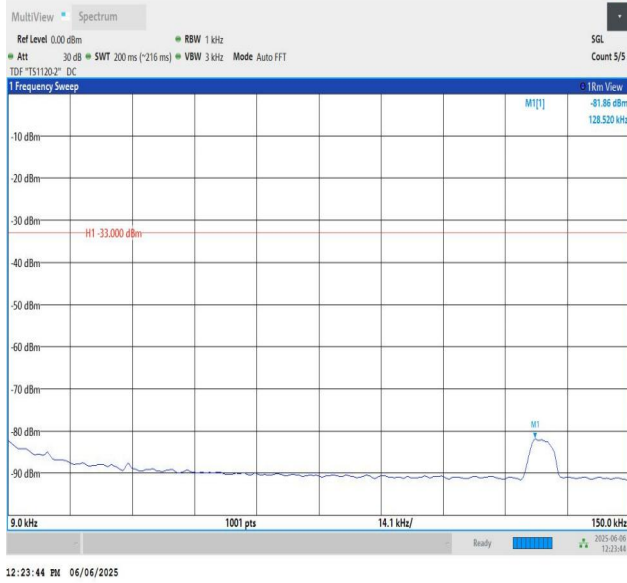
Band5-3MHz-QPSK-20635-PASS



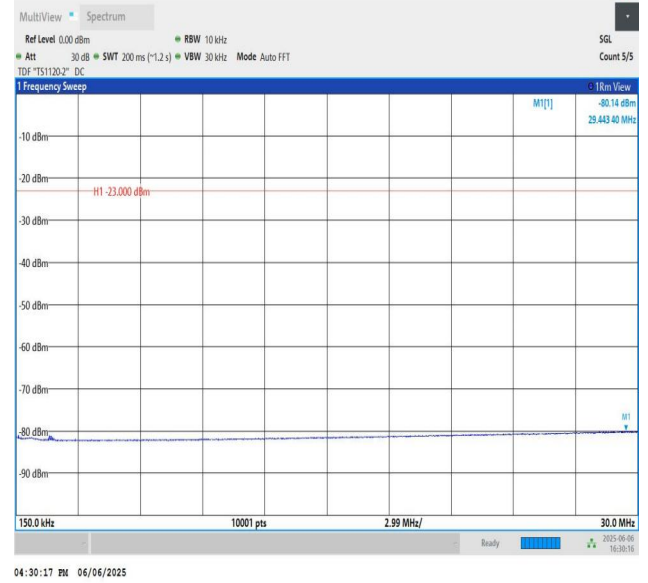
Band5-3MHz-QPSK-20635-PASS



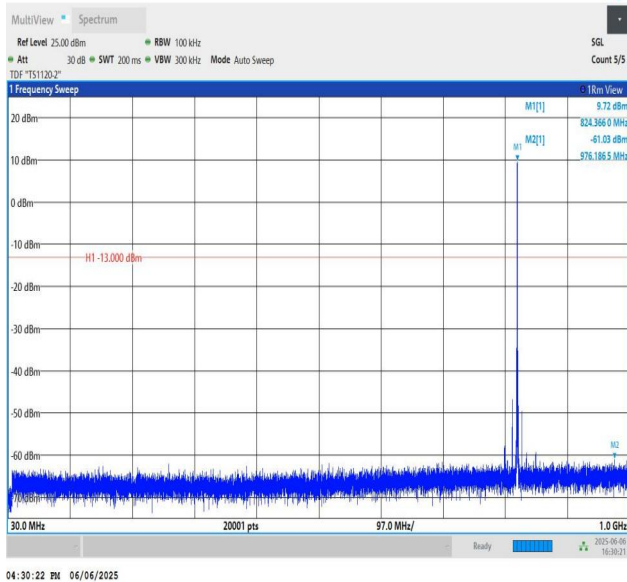
Band5-3MHz-QPSK-20635-PASS



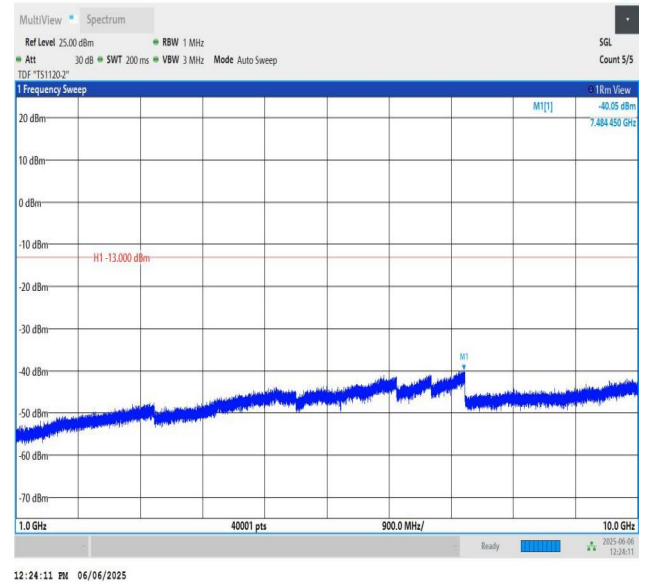
Band5-5MHz-QPSK-20425-PASS



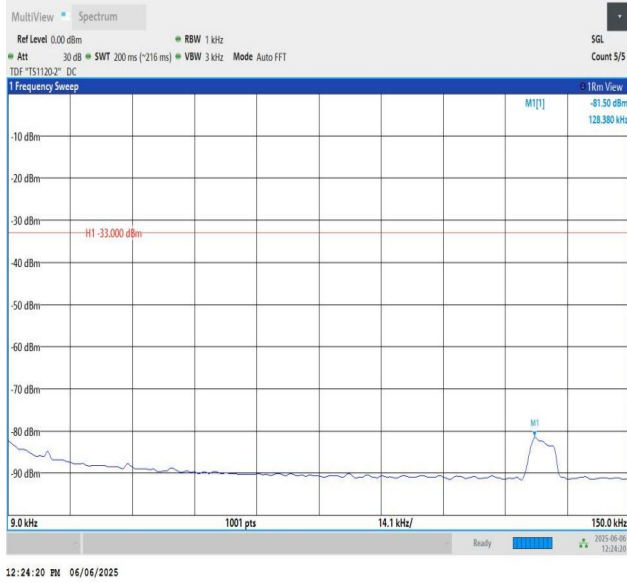
Band5-5MHz-QPSK-20425-PASS



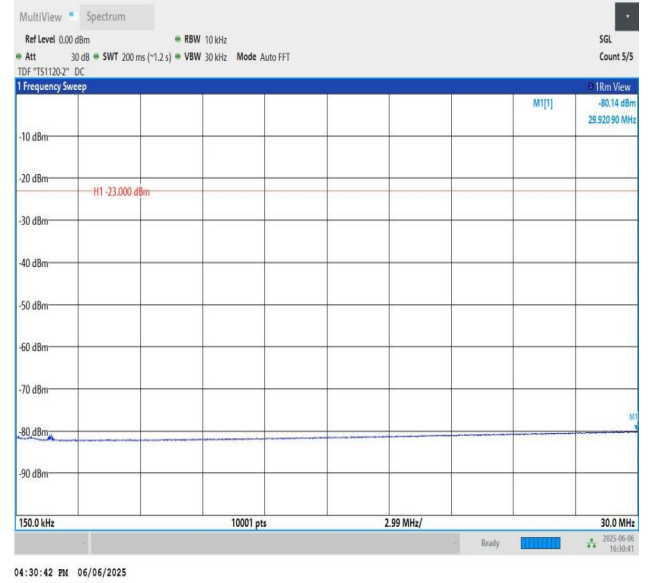
Band5-5MHz-QPSK-20425-PASS



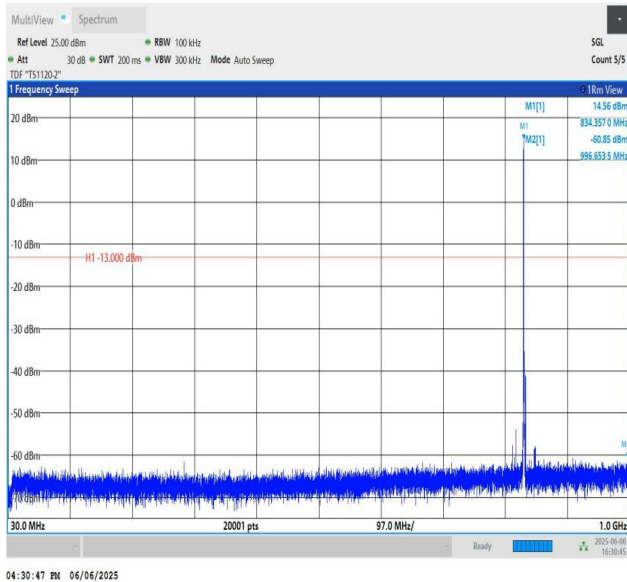
Band5-5MHz-QPSK-20425-PASS



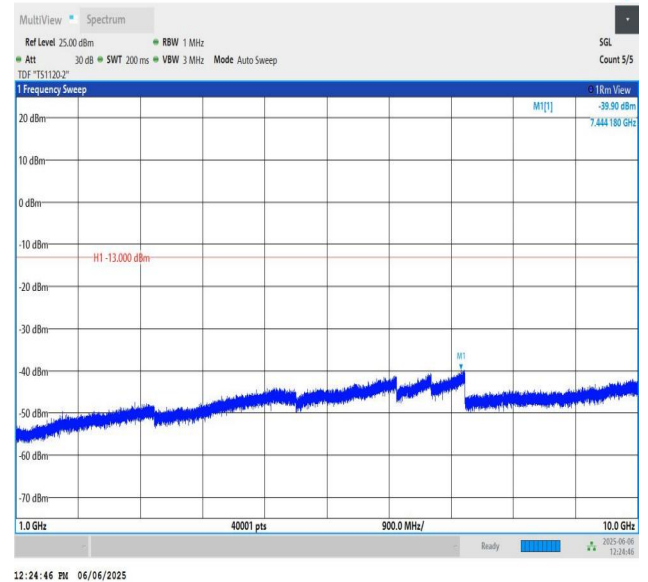
Band5-5MHz-QPSK-20525-PASS



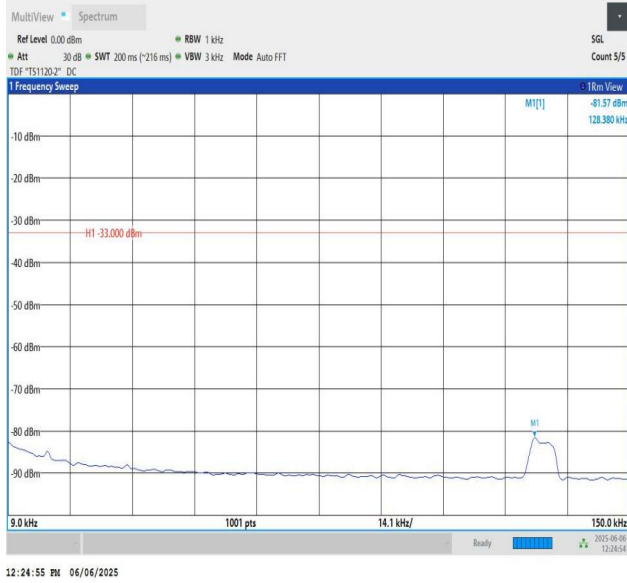
Band5-5MHz-QPSK-20525-PASS



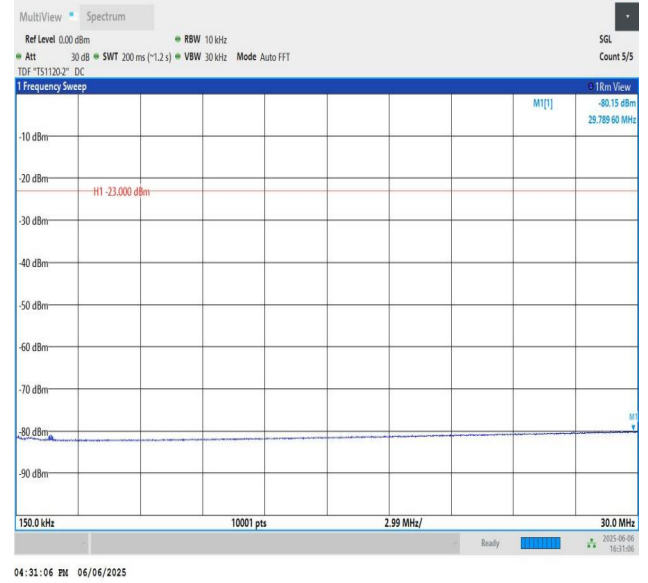
Band5-5MHz-QPSK-20525-PASS



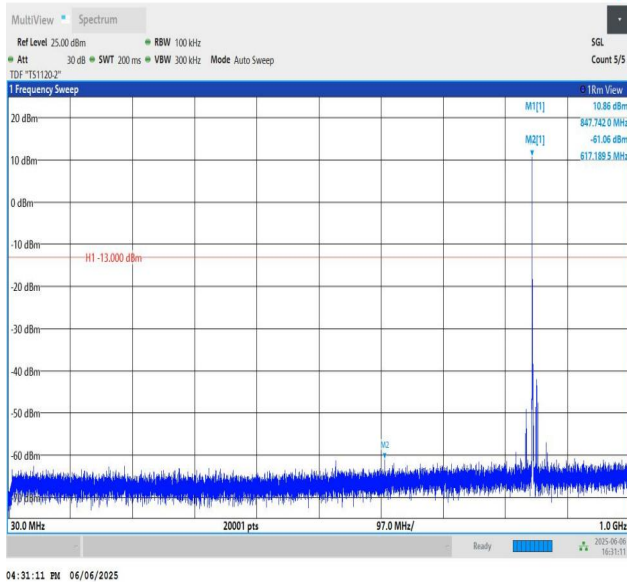
Band5-5MHz-QPSK-20525-PASS



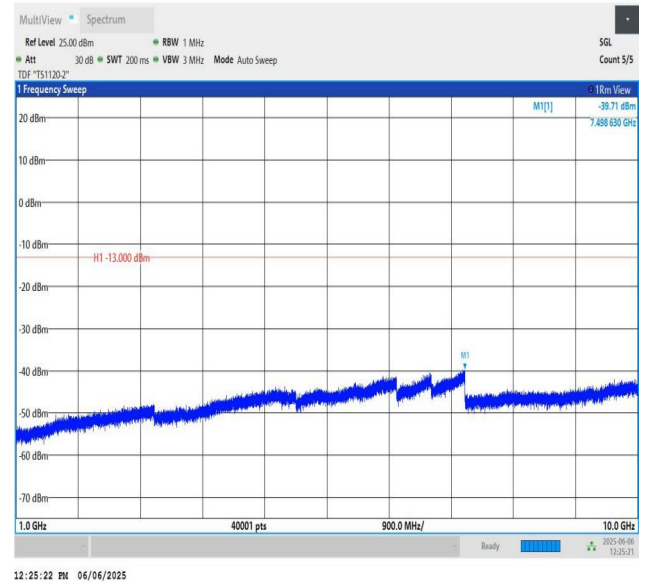
Band5-5MHz-QPSK-20625-PASS



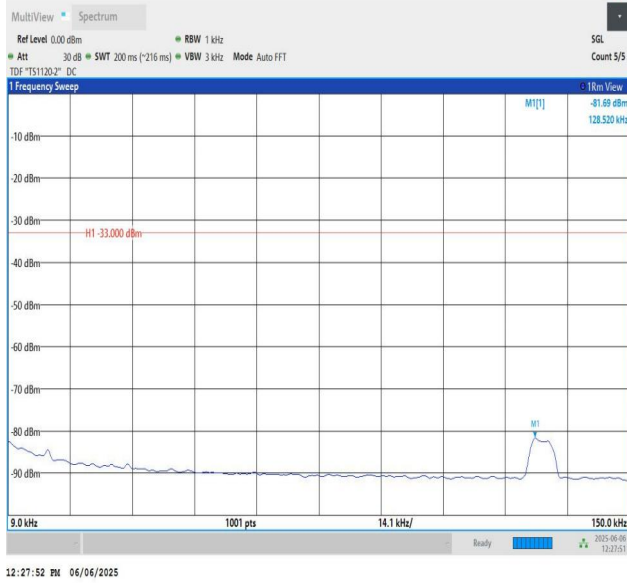
Band5-5MHz-QPSK-20625-PASS



Band5-5MHz-QPSK-20625-PASS

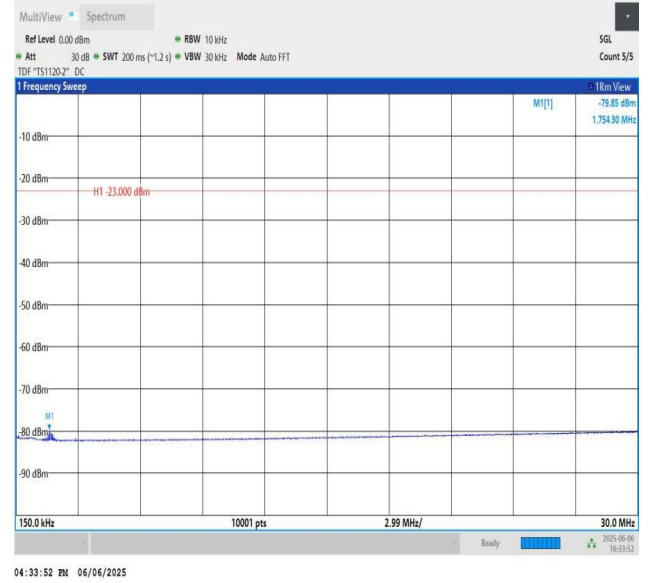


Band5-5MHz-QPSK-20625-PASS



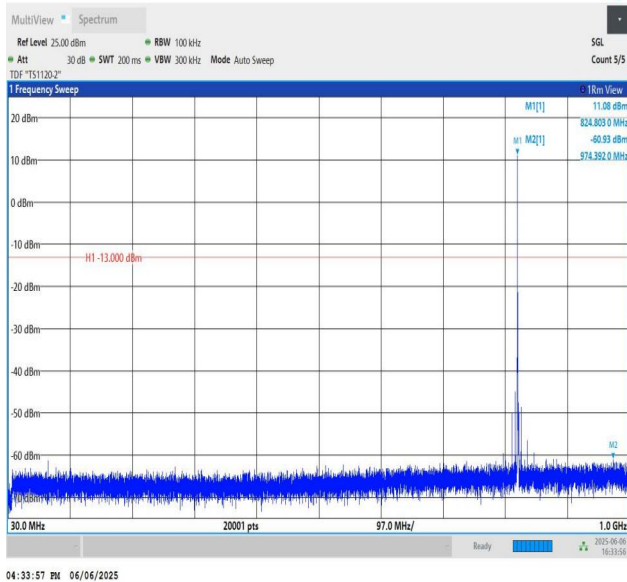
12:27:52 PM 06/06/2025

Band5-10MHz-QPSK-20450-PASS



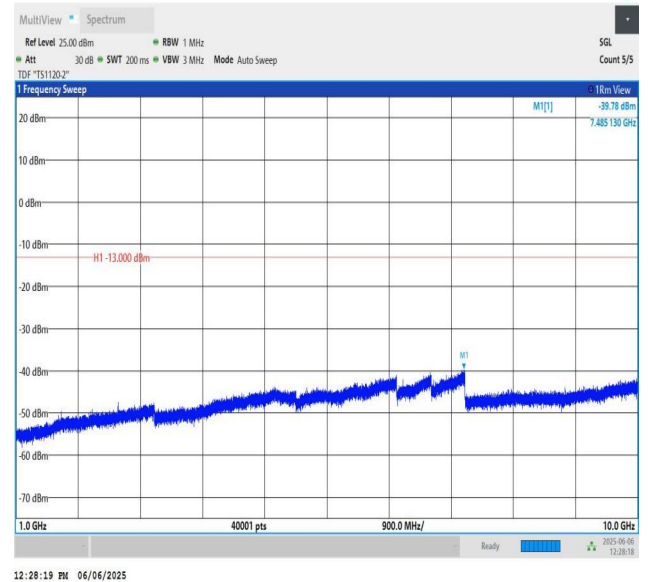
04:33:52 PM 06/06/2025

Band5-10MHz-QPSK-20450-PASS



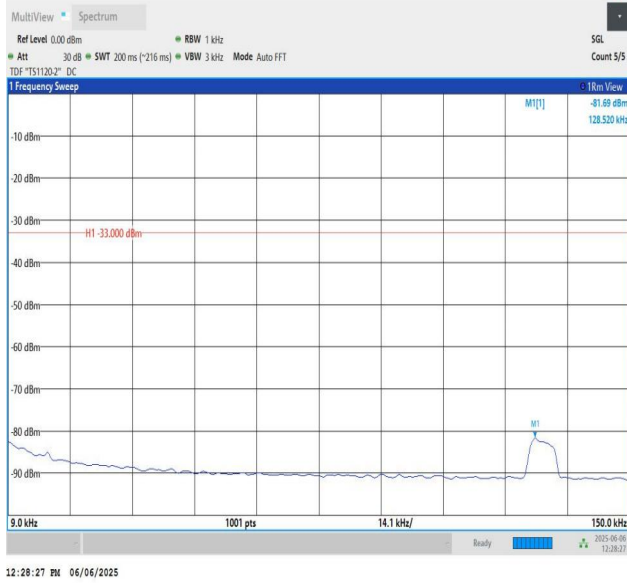
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Band5-10MHz-QPSK-20450-PASS

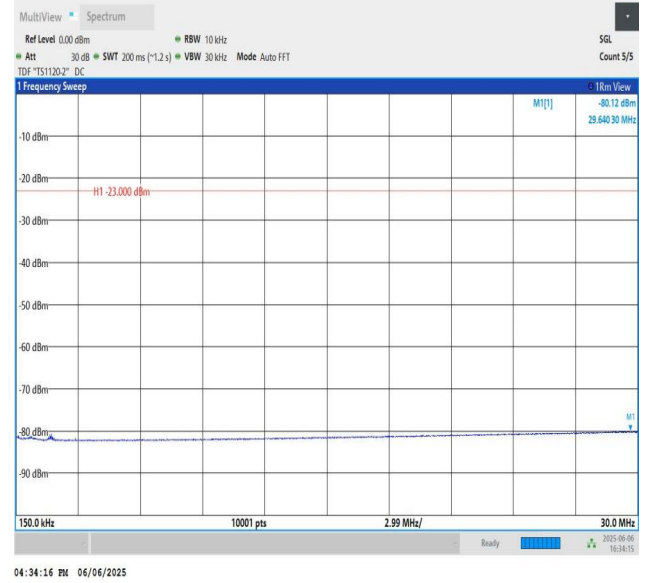


12:28:19 PM 06/06/2025

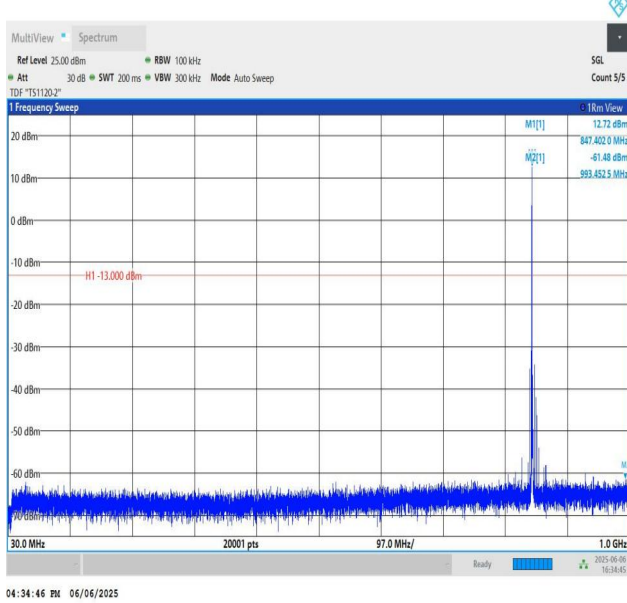
Band5-10MHz-QPSK-20450-PASS



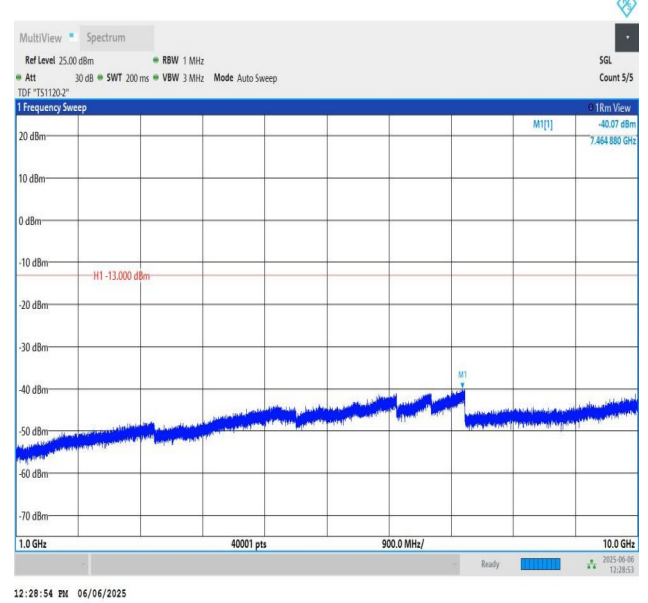
Band5-10MHz-QPSK-20525-PASS



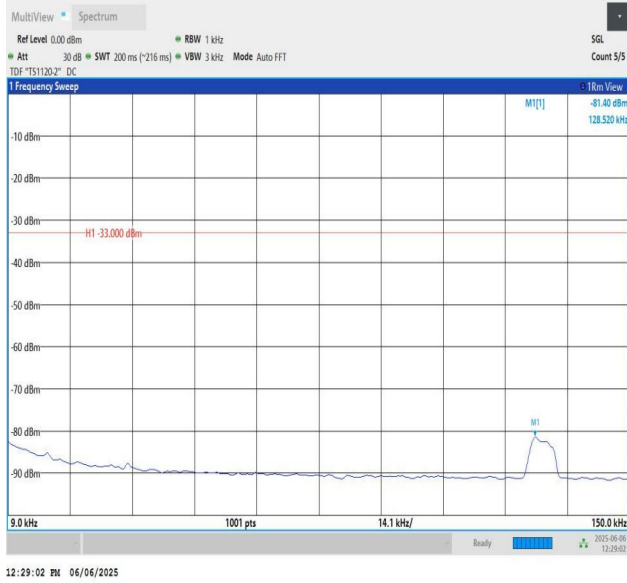
Band5-10MHz-QPSK-20525-PASS



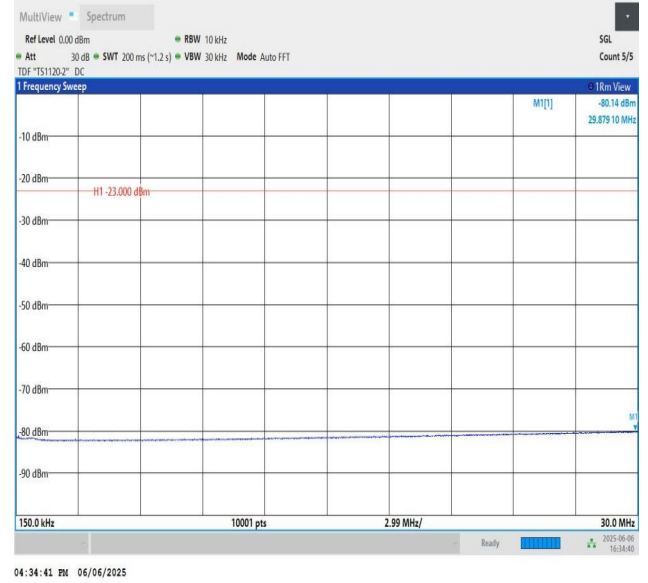
Band5-10MHz-QPSK-20525-PASS



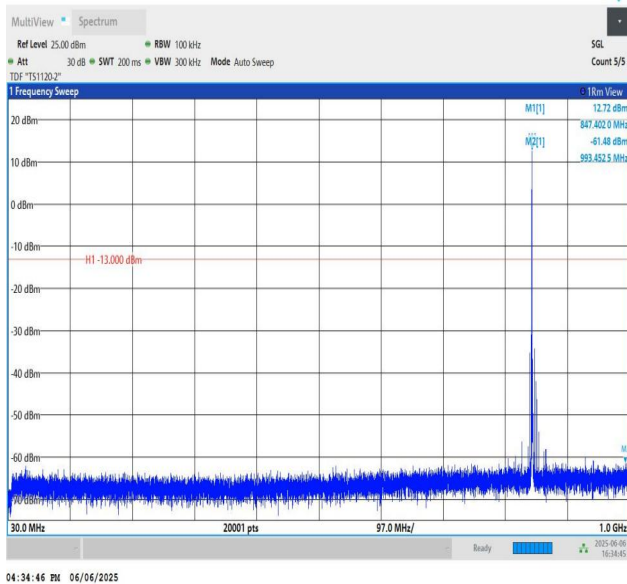
Band5-10MHz-QPSK-20525-PASS



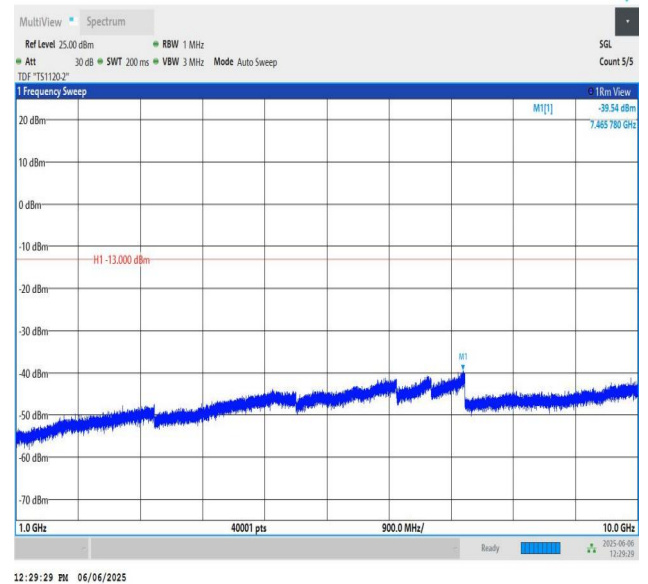
Band5-10MHz-QPSK-20600-PASS



Band5-10MHz-QPSK-20600-PASS



Band5-10MHz-QPSK-20600-PASS



Band5-10MHz-QPSK-20600-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
Band5	10MHz	20525	QPSK	6	0	Low	VN	NT	-5.56	-0.006647	±2.5	PASS
Band5	10MHz	20525	QPSK	6	0	Low	VL	NT	-5.56	-0.006647	±2.5	PASS
Band5	10MHz	20525	QPSK	6	0	Low	VH	NT	-4.12	-0.004925	±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
Band5	10MHz	20525	QPSK	6	0	Low	NV	-30	-3.11	-0.003718	±2.5	PASS
Band5	10MHz	20525	QPSK	6	0	Low	NV	-20	-6.34	-0.007579	±2.5	PASS
Band5	10MHz	20525	QPSK	6	0	Low	NV	-10	-4.82	-0.005762	±2.5	PASS
Band5	10MHz	20525	QPSK	6	0	Low	NV	0	-5.59	-0.006683	±2.5	PASS
Band5	10MHz	20525	QPSK	6	0	Low	NV	10	-4.72	-0.005643	±2.5	PASS
Band5	10MHz	20525	QPSK	6	0	Low	NV	20	-6.86	-0.008201	±2.5	PASS
Band5	10MHz	20525	QPSK	6	0	Low	NV	30	-5.19	-0.006204	±2.5	PASS
Band5	10MHz	20525	QPSK	6	0	Low	NV	40	-4.87	-0.005822	±2.5	PASS
Band5	10MHz	20525	QPSK	6	0	Low	NV	50	-5.80	-0.006934	±2.5	PASS

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