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
Band25	1.4MHz	QPSK	26047	1	0	Low	20.65	1.59	22.24	33	PASS
Band25	1.4MHz	16QAM	26047	1	0	Low	20.23	1.59	21.82	33	PASS
Band25	1.4MHz	QPSK	26047	1	5	Low	20.59	1.59	22.18	33	PASS
Band25	1.4MHz	16QAM	26047	1	5	Low	20.14	1.59	21.73	33	PASS
Band25	1.4MHz	QPSK	26047	6	0	Low	19.04	1.59	20.63	33	PASS
Band25	1.4MHz	16QAM	26047	6	0	Low	19.04	1.59	20.63	33	PASS
Band25	1.4MHz	QPSK	26365	1	0	Low	20.47	1.59	22.06	33	PASS
Band25	1.4MHz	16QAM	26365	1	0	Low	20.2	1.59	21.79	33	PASS
Band25	1.4MHz	QPSK	26365	1	5	Low	20.58	1.59	22.17	33	PASS
Band25	1.4MHz	16QAM	26365	1	5	Low	20.1	1.59	21.69	33	PASS
Band25	1.4MHz	QPSK	26365	6	0	Low	19.04	1.59	20.63	33	PASS
Band25	1.4MHz	16QAM	26365	6	0	Low	19.12	1.59	20.71	33	PASS
Band25	1.4MHz	QPSK	26683	1	0	High	20.58	1.59	22.17	33	PASS
Band25	1.4MHz	16QAM	26683	1	0	High	20.3	1.59	21.89	33	PASS
Band25	1.4MHz	QPSK	26683	1	5	High	20.46	1.59	22.05	33	PASS
Band25	1.4MHz	16QAM	26683	1	5	High	20.29	1.59	21.88	33	PASS
Band25	1.4MHz	QPSK	26683	6	0	High	19.12	1.59	20.71	33	PASS
Band25	1.4MHz	16QAM	26683	6	0	High	19.13	1.59	20.72	33	PASS
Band25	3MHz	QPSK	26055	1	0	Low	20.83	1.59	22.42	33	PASS
Band25	3MHz	16QAM	26055	1	0	Low	20.39	1.59	21.98	33	PASS
Band25	3MHz	QPSK	26055	1	5	Low	20.6	1.59	22.19	33	PASS
Band25	3MHz	16QAM	26055	1	5	Low	20.16	1.59	21.75	33	PASS
Band25	3MHz	QPSK	26055	6	0	Low	19.12	1.59	20.71	33	PASS
Band25	3MHz	16QAM	26055	6	0	Low	19.18	1.59	20.77	33	PASS
Band25	3MHz	QPSK	26365	1	0	Low	20.54	1.59	22.13	33	PASS
Band25	3MHz	16QAM	26365	1	0	Low	20.2	1.59	21.79	33	PASS
Band25	3MHz	QPSK	26365	1	5	Low	20.57	1.59	22.16	33	PASS
Band25	3MHz	16QAM	26365	1	5	Low	20.11	1.59	21.7	33	PASS
Band25	3MHz	QPSK	26365	6	0	Low	19.04	1.59	20.63	33	PASS
Band25	3MHz	16QAM	26365	6	0	Low	19.14	1.59	20.73	33	PASS
Band25	3MHz	QPSK	26675	1	0	High	20.47	1.59	22.06	33	PASS
Band25	3MHz	16QAM	26675	1	0	High	20.32	1.59	21.91	33	PASS
Band25	3MHz	QPSK	26675	1	5	High	20.49	1.59	22.08	33	PASS
Band25	3MHz	16QAM	26675	1	5	High	20.31	1.59	21.9	33	PASS
Band25	3MHz	QPSK	26675	6	0	High	19.15	1.59	20.74	33	PASS

Band25	3MHz	16QAM	26675	6	0	High	19.22	1.59	20.81	33	PASS
Band25	5MHz	QPSK	26065	1	0	Low	20.58	1.59	22.17	33	PASS
Band25	5MHz	16QAM	26065	1	0	Low	20.72	1.59	22.31	33	PASS
Band25	5MHz	QPSK	26065	1	5	Low	20.53	1.59	22.12	33	PASS
Band25	5MHz	16QAM	26065	1	5	Low	20.62	1.59	22.21	33	PASS
Band25	5MHz	QPSK	26065	6	0	Low	19.95	1.59	21.54	33	PASS
Band25	5MHz	16QAM	26065	6	0	Low	20.15	1.59	21.74	33	PASS
Band25	5MHz	QPSK	26365	1	0	Low	20.46	1.59	22.05	33	PASS
Band25	5MHz	16QAM	26365	1	0	Low	20.76	1.59	22.35	33	PASS
Band25	5MHz	QPSK	26365	1	5	Low	20.51	1.59	22.1	33	PASS
Band25	5MHz	16QAM	26365	1	5	Low	20.6	1.59	22.19	33	PASS
Band25	5MHz	QPSK	26365	6	0	Low	19.94	1.59	21.53	33	PASS
Band25	5MHz	16QAM	26365	6	0	Low	20.04	1.59	21.63	33	PASS
Band25	5MHz	QPSK	26665	1	0	High	20.62	1.59	22.21	33	PASS
Band25	5MHz	16QAM	26665	1	0	High	20.7	1.59	22.29	33	PASS
Band25	5MHz	QPSK	26665	1	5	High	20.53	1.59	22.12	33	PASS
Band25	5MHz	16QAM	26665	1	5	High	20.71	1.59	22.3	33	PASS
Band25	5MHz	QPSK	26665	6	0	High	20.07	1.59	21.66	33	PASS
Band25	5MHz	16QAM	26665	6	0	High	20.16	1.59	21.75	33	PASS
Band25	10MHz	QPSK	26090	1	0	Low	20.45	1.59	22.04	33	PASS
Band25	10MHz	16QAM	26090	1	0	Low	20.75	1.59	22.34	33	PASS
Band25	10MHz	QPSK	26090	1	5	Low	20.46	1.59	22.05	33	PASS
Band25	10MHz	16QAM	26090	1	5	Low	20.5	1.59	22.09	33	PASS
Band25	10MHz	QPSK	26090	6	0	Low	20.02	1.59	21.61	33	PASS
Band25	10MHz	16QAM	26090	6	0	Low	20.01	1.59	21.6	33	PASS
Band25	10MHz	QPSK	26365	1	0	Low	20.43	1.59	22.02	33	PASS
Band25	10MHz	16QAM	26365	1	0	Low	20.66	1.59	22.25	33	PASS
Band25	10MHz	QPSK	26365	1	5	Low	20.42	1.59	22.01	33	PASS
Band25	10MHz	16QAM	26365	1	5	Low	20.5	1.59	22.09	33	PASS
Band25	10MHz	QPSK	26365	6	0	Low	19.95	1.59	21.54	33	PASS
Band25	10MHz	16QAM	26365	6	0	Low	20.05	1.59	21.64	33	PASS
Band25	10MHz	QPSK	26640	1	0	High	20.64	1.59	22.23	33	PASS
Band25	10MHz	16QAM	26640	1	0	High	20.53	1.59	22.12	33	PASS
Band25	10MHz	QPSK	26640	1	5	High	20.5	1.59	22.09	33	PASS
Band25	10MHz	16QAM	26640	1	5	High	20.31	1.59	21.9	33	PASS
Band25	10MHz	QPSK	26640	6	0	High	20.06	1.59	21.65	33	PASS
Band25	10MHz	16QAM	26640	6	0	High	20.13	1.59	21.72	33	PASS
Band25	15MHz	QPSK	26115	1	0	Low	20.54	1.59	22.13	33	PASS
Band25	15MHz	16QAM	26115	1	0	Low	20.72	1.59	22.31	33	PASS
Band25	15MHz	QPSK	26115	1	5	Low	20.5	1.59	22.09	33	PASS
Band25	15MHz	16QAM	26115	1	5	Low	20.57	1.59	22.16	33	PASS

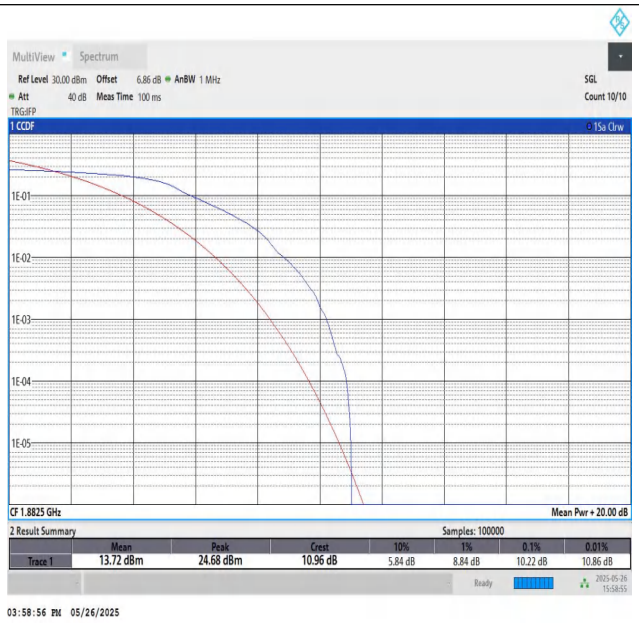
Band25	15MHz	QPSK	26115	6	0	Low	20.41	1.59	22	33	PASS
Band25	15MHz	16QAM	26115	6	0	Low	20.4	1.59	21.99	33	PASS
Band25	15MHz	QPSK	26365	1	0	Low	20.44	1.59	22.03	33	PASS
Band25	15MHz	16QAM	26365	1	0	Low	20.72	1.59	22.31	33	PASS
Band25	15MHz	QPSK	26365	1	5	Low	20.44	1.59	22.03	33	PASS
Band25	15MHz	16QAM	26365	1	5	Low	20.53	1.59	22.12	33	PASS
Band25	15MHz	QPSK	26365	6	0	Low	20.28	1.59	21.87	33	PASS
Band25	15MHz	16QAM	26365	6	0	Low	20.37	1.59	21.96	33	PASS
Band25	15MHz	QPSK	26615	1	0	High	20.49	1.59	22.08	33	PASS
Band25	15MHz	16QAM	26615	1	0	High	20.73	1.59	22.32	33	PASS
Band25	15MHz	QPSK	26615	1	5	High	20.54	1.59	22.13	33	PASS
Band25	15MHz	16QAM	26615	1	5	High	20.69	1.59	22.28	33	PASS
Band25	15MHz	QPSK	26615	6	0	High	20.44	1.59	22.03	33	PASS
Band25	15MHz	16QAM	26615	6	0	High	20.44	1.59	22.03	33	PASS
Band25	20MHz	QPSK	26140	1	0	Low	20.54	1.59	22.13	33	PASS
Band25	20MHz	16QAM	26140	1	0	Low	20.74	1.59	22.33	33	PASS
Band25	20MHz	QPSK	26140	1	5	Low	20.46	1.59	22.05	33	PASS
Band25	20MHz	16QAM	26140	1	5	Low	20.56	1.59	22.15	33	PASS
Band25	20MHz	QPSK	26140	6	0	Low	20.36	1.59	21.95	33	PASS
Band25	20MHz	16QAM	26140	6	0	Low	20.35	1.59	21.94	33	PASS
Band25	20MHz	QPSK	26365	1	0	Low	20.53	1.59	22.12	33	PASS
Band25	20MHz	16QAM	26365	1	0	Low	20.89	1.59	22.48	33	PASS
Band25	20MHz	QPSK	26365	1	5	Low	20.65	1.59	22.24	33	PASS
Band25	20MHz	16QAM	26365	1	5	Low	20.62	1.59	22.21	33	PASS
Band25	20MHz	QPSK	26365	6	0	Low	20.3	1.59	21.89	33	PASS
Band25	20MHz	16QAM	26365	6	0	Low	20.45	1.59	22.04	33	PASS
Band25	20MHz	QPSK	26590	1	0	High	20.58	1.59	22.17	33	PASS
Band25	20MHz	16QAM	26590	1	0	High	20.76	1.59	22.35	33	PASS
Band25	20MHz	QPSK	26590	1	5	High	20.6	1.59	22.19	33	PASS
Band25	20MHz	16QAM	26590	1	5	High	20.77	1.59	22.36	33	PASS
Band25	20MHz	QPSK	26590	6	0	High	20.43	1.59	22.02	33	PASS
Band25	20MHz	16QAM	26590	6	0	High	20.5	1.59	22.09	33	PASS

Peak-to-Average Ratio(CCDF) for M1

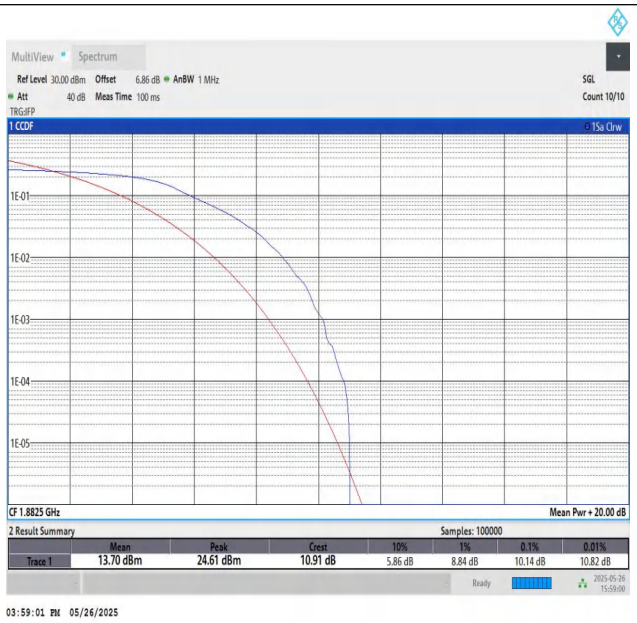
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band25	1.4MHz	26365	QPSK	6	0	Low	10.22	13	PASS
Band25	1.4MHz	26365	16QAM	6	0	Low	10.14	13	PASS
Band25	3MHz	26365	QPSK	6	0	Low	9.52	13	PASS
Band25	3MHz	26365	16QAM	6	0	Low	9.72	13	PASS
Band25	5MHz	26365	QPSK	6	0	Low	9.80	13	PASS
Band25	5MHz	26365	16QAM	6	0	Low	9.80	13	PASS
Band25	10MHz	26365	QPSK	6	0	Low	9.70	13	PASS
Band25	10MHz	26365	16QAM	6	0	Low	9.70	13	PASS
Band25	15MHz	26365	QPSK	6	0	Low	6.84	13	PASS
Band25	15MHz	26365	16QAM	6	0	Low	6.84	13	PASS
Band25	20MHz	26365	QPSK	6	0	Low	6.74	13	PASS
Band25	20MHz	26365	16QAM	6	0	Low	7.62	13	PASS

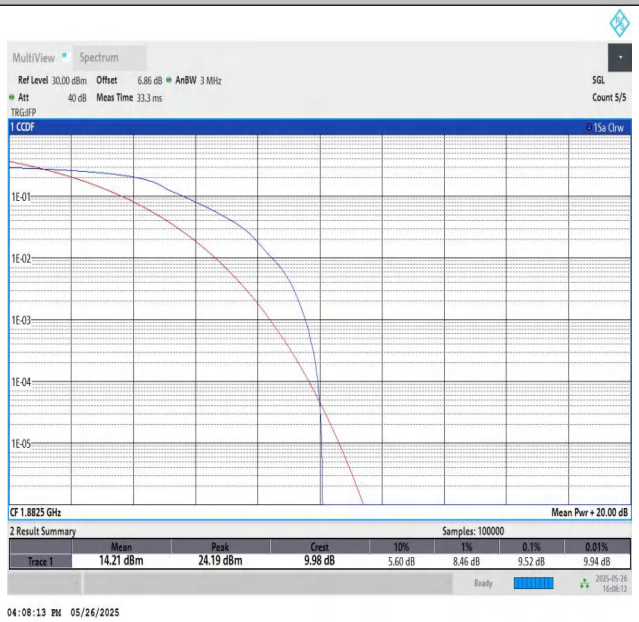
Test Graphs



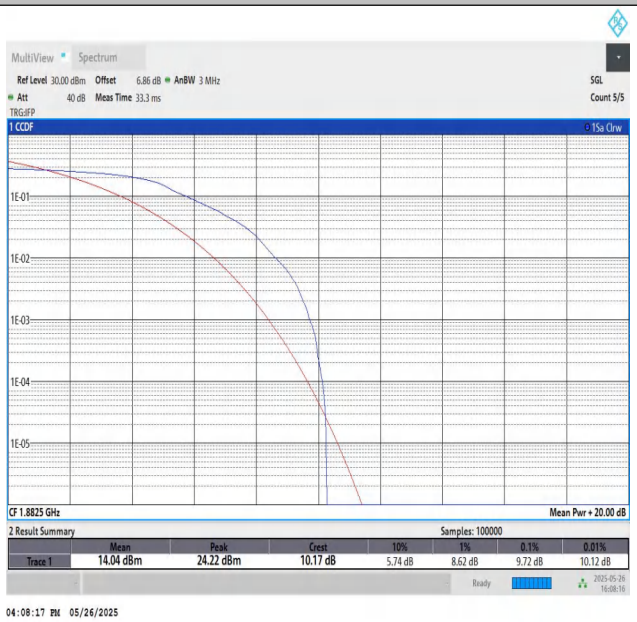
Band25-1.4MHz-QPSK-26365-PASS



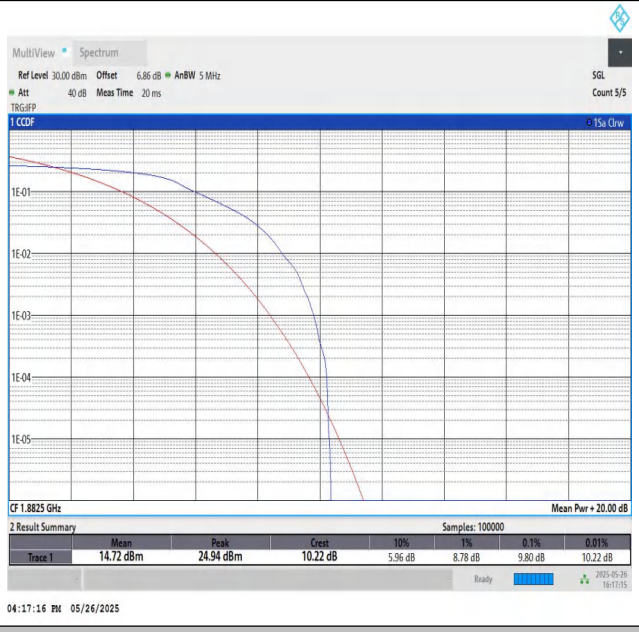
Band25-1.4MHz-16QAM-26365-PASS



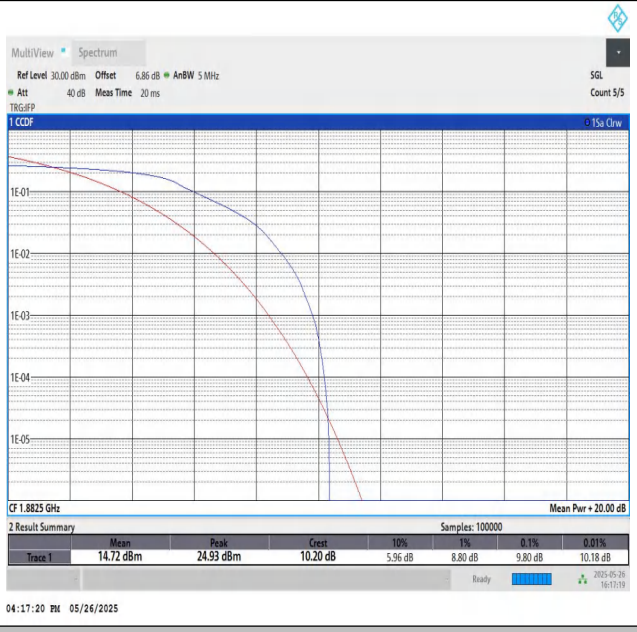
Band25-3MHz-QPSK-26365-PASS



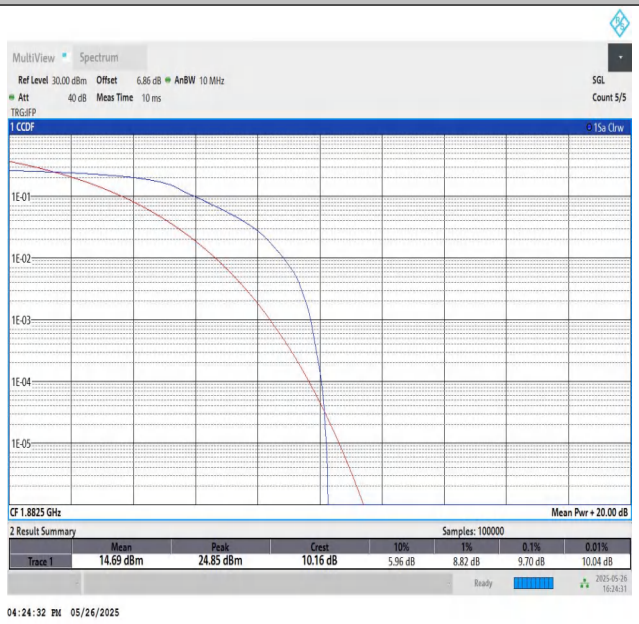
Band25-3MHz-16QAM-26365-PASS



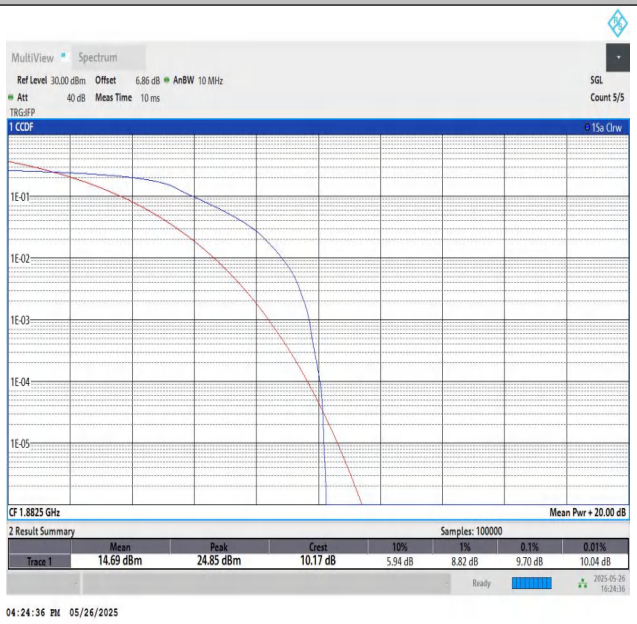
Band25-5MHz-QPSK-26365-PASS



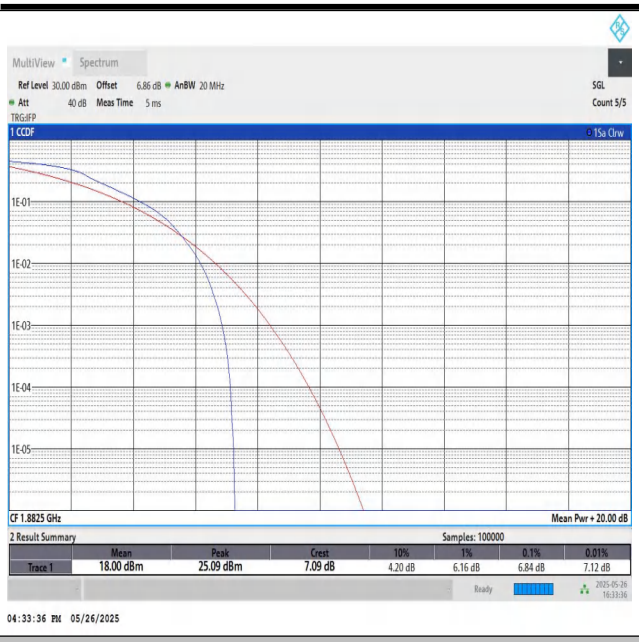
Band25-5MHz-16QAM-26365-PASS



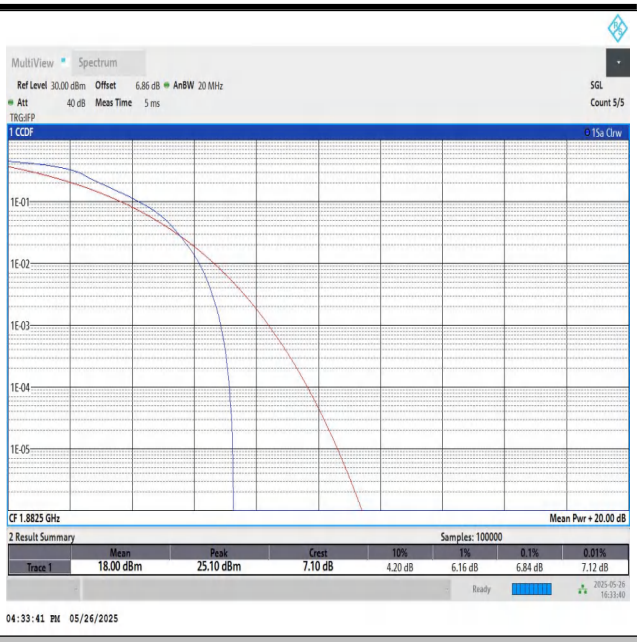
Band25-10MHz-QPSK-26365-PASS



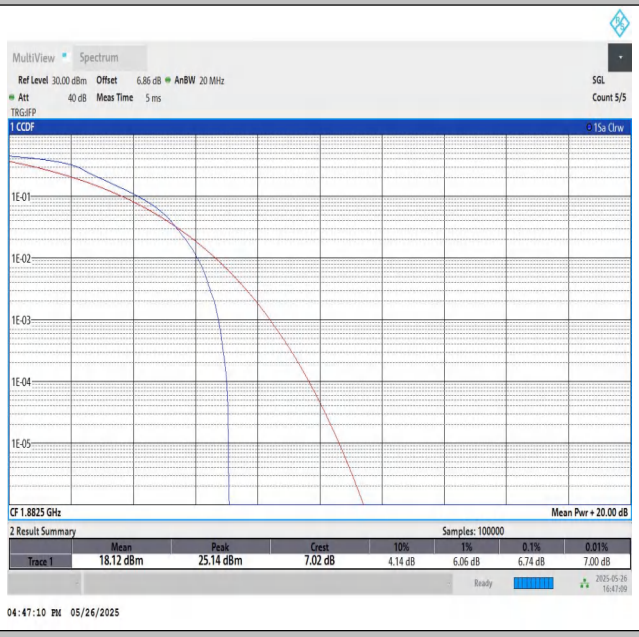
Band25-10MHz-16QAM-26365-PASS



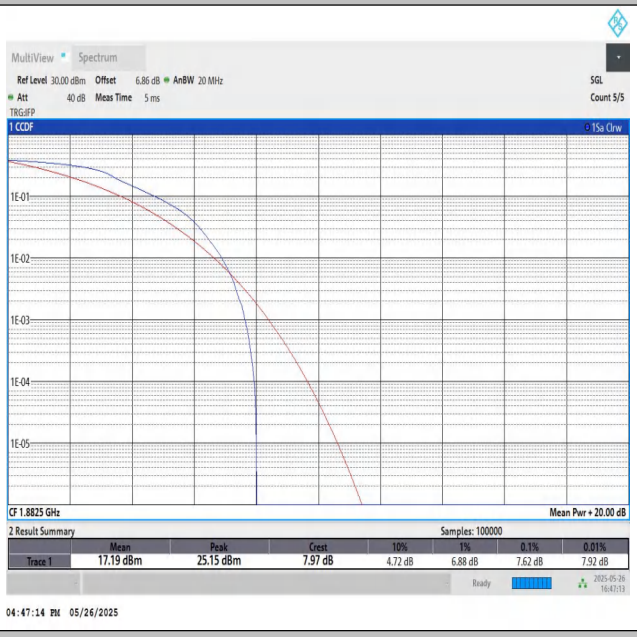
Band25-15MHz-QPSK-26365-PASS



Band25-15MHz-16QAM-26365-PASS



Band25-20MHz-QPSK-26365-PASS



Band25-20MHz-16QAM-26365-PASS

26dB Bandwidth and Occupied Bandwidth for M1

Test Result

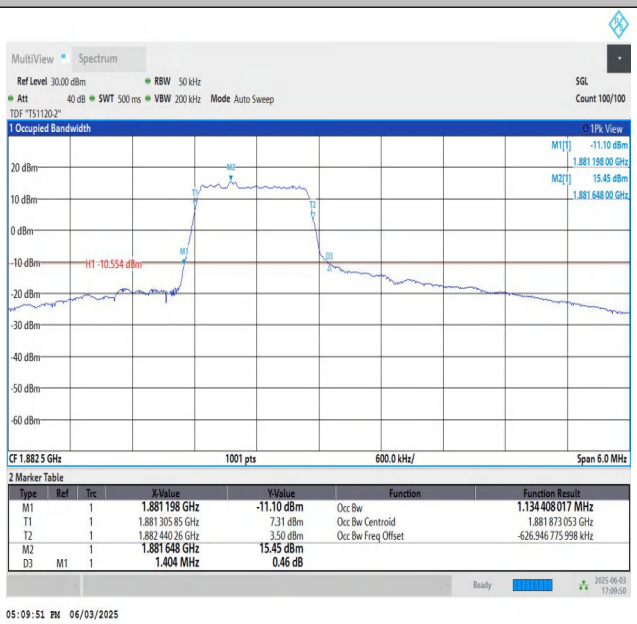
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	26365	QPSK	6	0	Low	1.091	1.278	PASS
Band25	1.4MHz	26365	16QAM	6	0	Low	1.091	1.284	PASS
Band25	3MHz	26365	QPSK	6	0	Low	1.136	1.404	PASS
Band25	3MHz	26365	16QAM	6	0	Low	1.134	1.404	PASS
Band25	5MHz	26365	QPSK	6	0	Low	1.242	1.760	PASS
Band25	5MHz	26365	16QAM	6	0	Low	1.242	1.770	PASS
Band25	10MHz	26365	QPSK	6	0	Low	2.006	3.480	PASS
Band25	10MHz	26365	16QAM	6	0	Low	2.01	3.480	PASS
Band25	15MHz	26365	QPSK	6	0	Low	2.89	4.470	PASS
Band25	15MHz	26365	16QAM	6	0	Low	2.886	4.590	PASS
Band25	20MHz	26365	QPSK	6	0	Low	4.056	5.840	PASS
Band25	20MHz	26365	16QAM	6	0	Low	4.068	5.840	PASS

Test Graphs

Band25-1.4MHz-QPSK-26365-PASS

Band25-1.4MHz-16QAM-26365-PASS

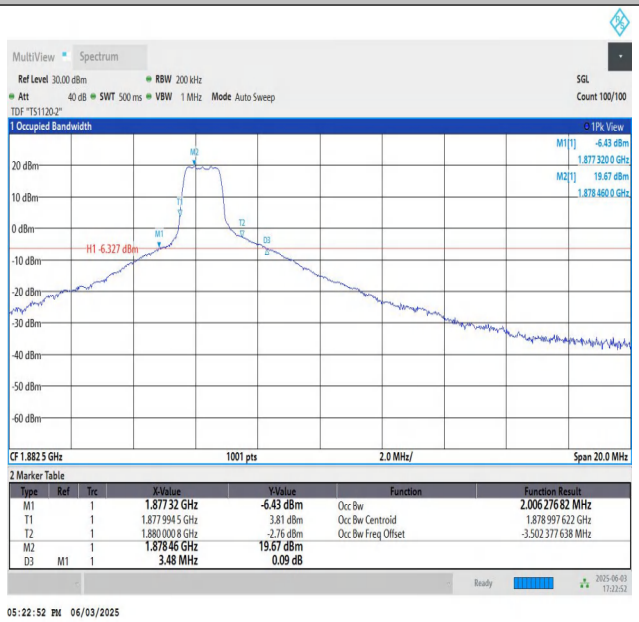
Band25-3MHz-QPSK-26365-PASS



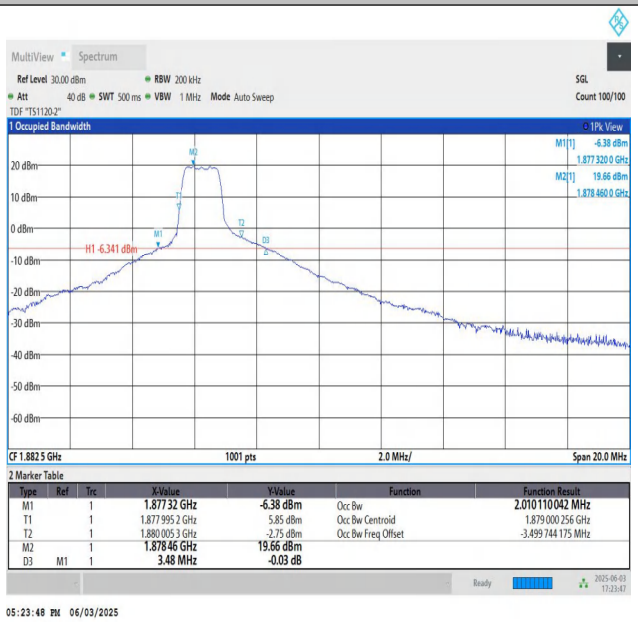
Band25-3MHz-16QAM-26365-PASS

Band25-5MHz-QPSK-26365-PASS

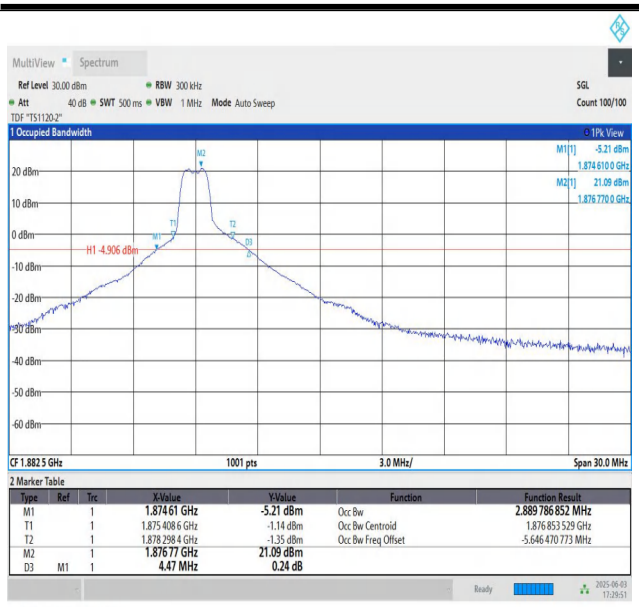
Band25-5MHz-16QAM-26365-PASS



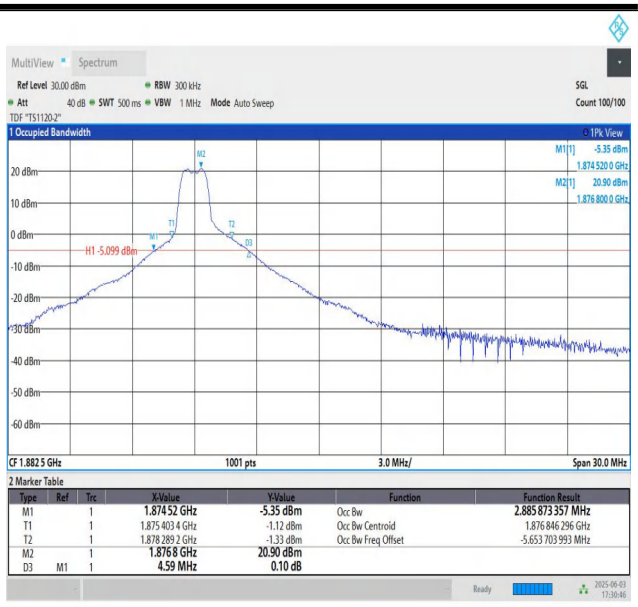
Band25-10MHz-QPSK-26365-PASS



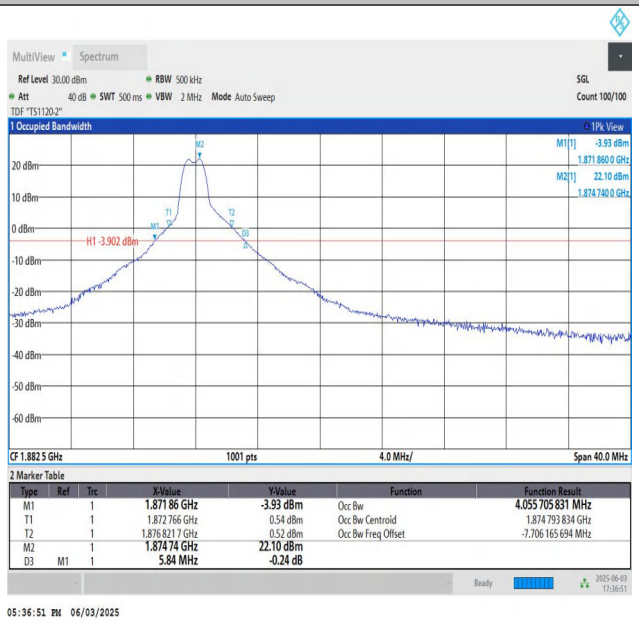
Band25-10MHz-16QAM-26365-PASS



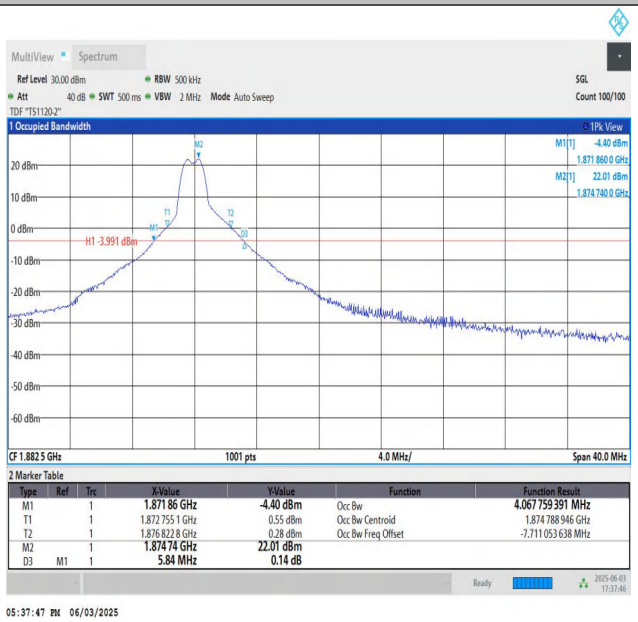
Band25-15MHz-QPSK-26365-PASS



Band25-15MHz-16QAM-26365-PASS



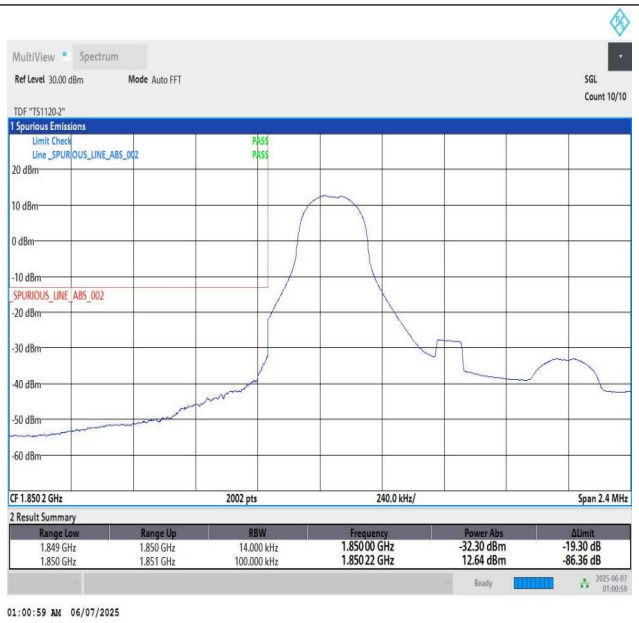
Band25-20MHz-QPSK-26365-PASS



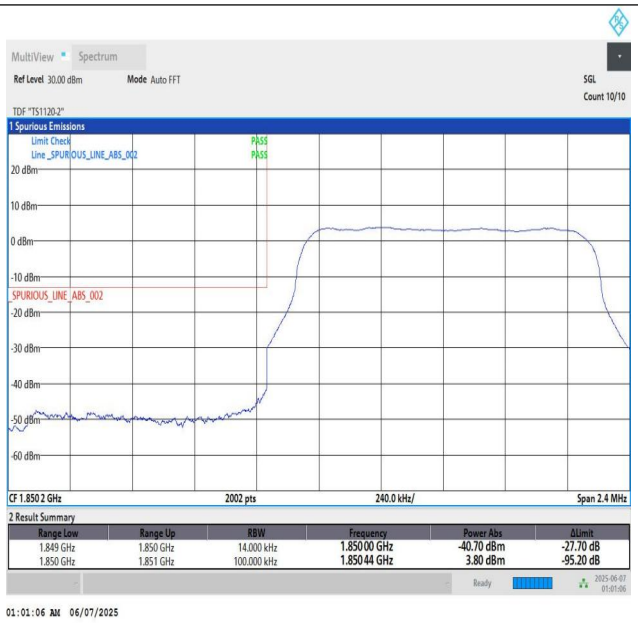
Band25-20MHz-16QAM-26365-PASS

Band Edge for M1

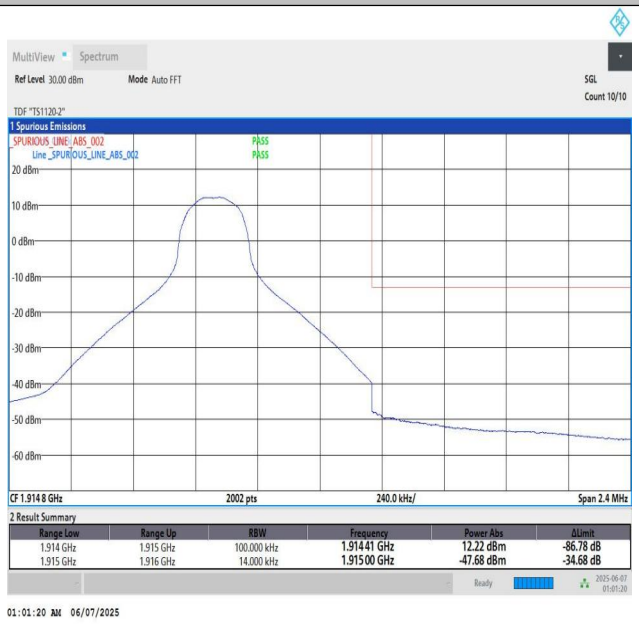
Test Graphs



Band25_1.4MHz_QPSK_26047_1_Low

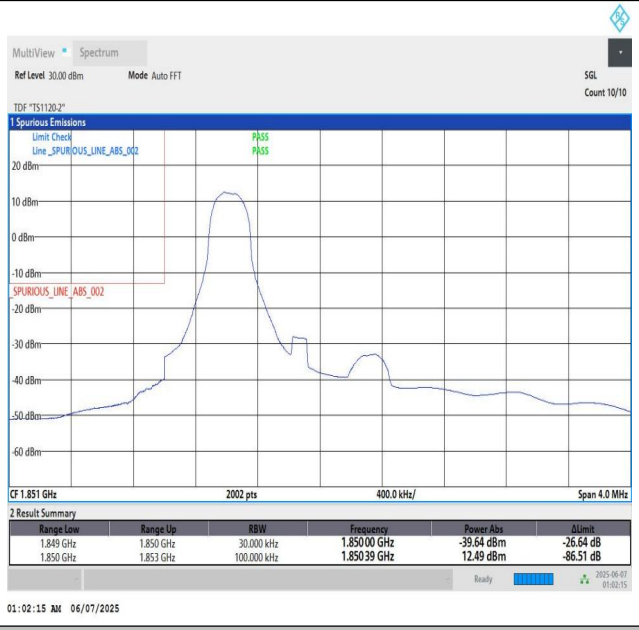


Band25_1.4MHz_QPSK_26047_6_Low



Band25_1.4MHz_QPSK_26683_1_High

Band25_1.4MHz_QPSK_26683_6_High



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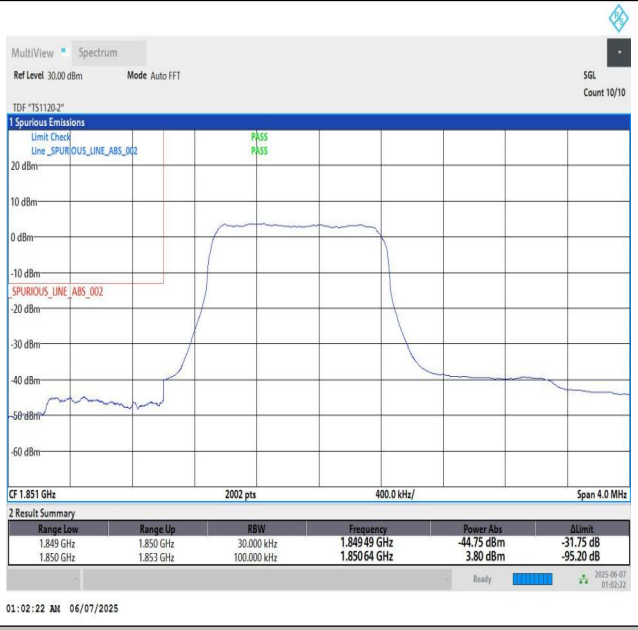

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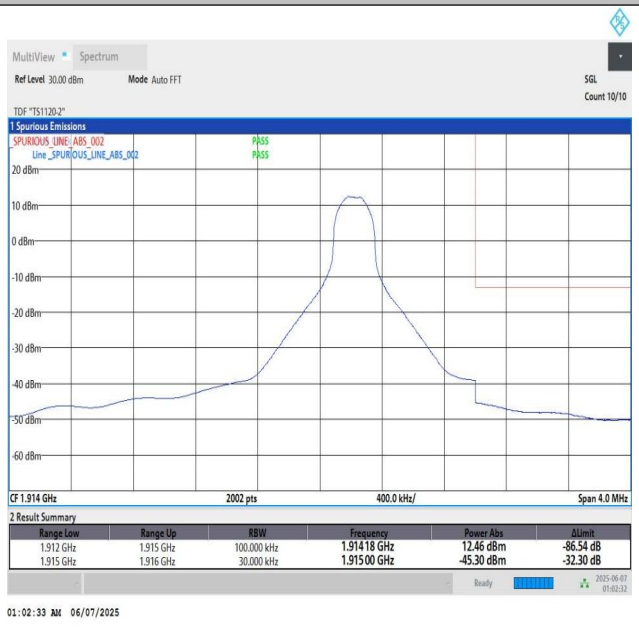
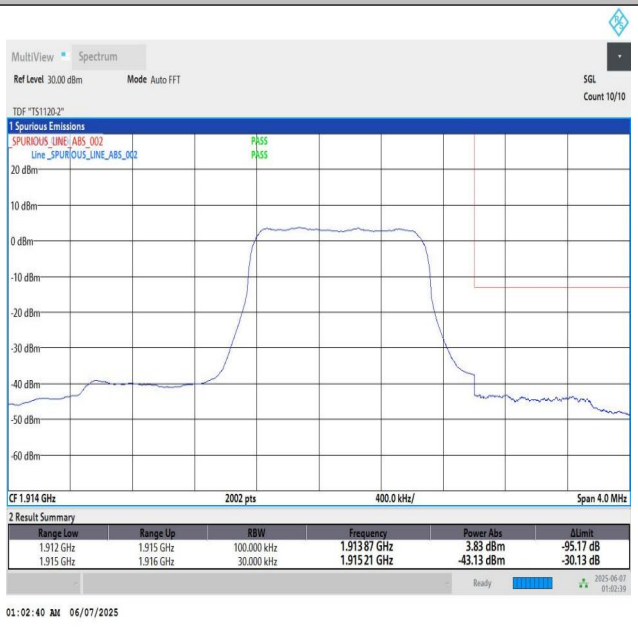
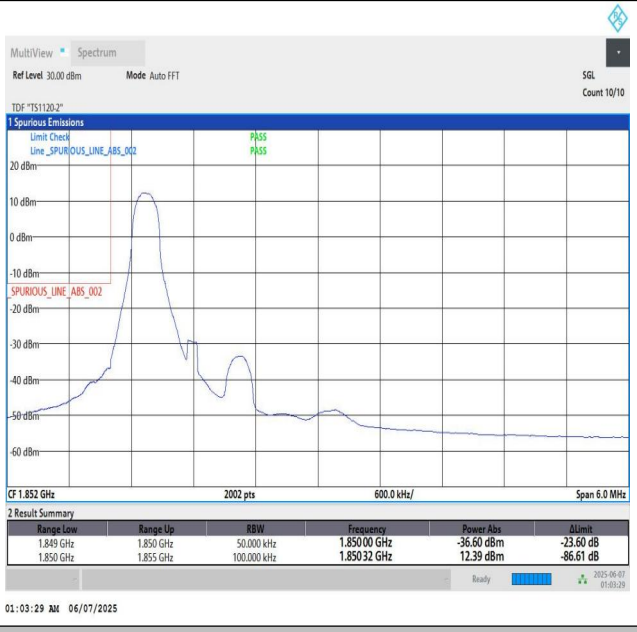


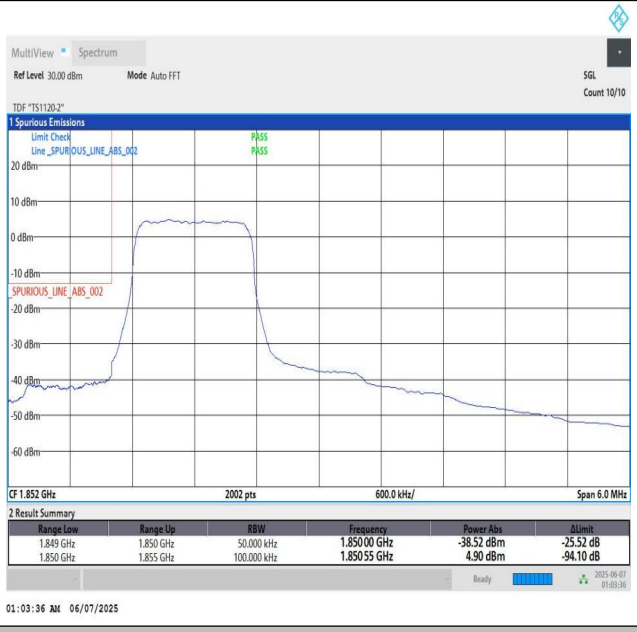
Band25_3MHz_QPSK_26675_1_High



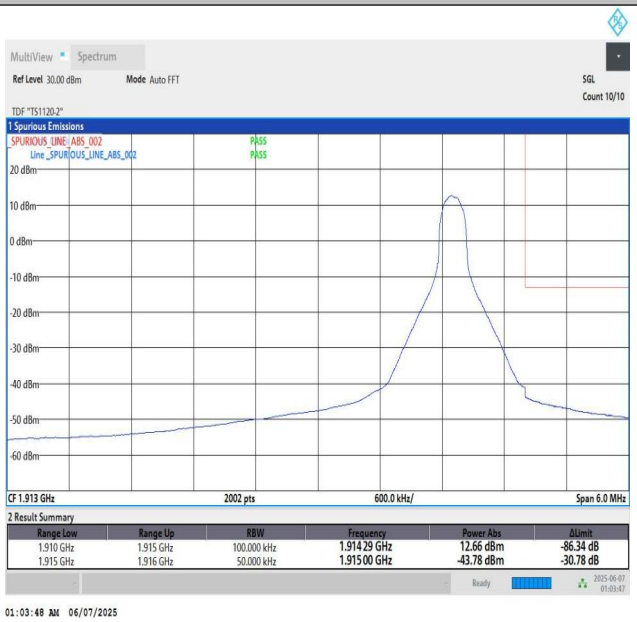
Band25_3MHz_QPSK_26675_6_High



Band25_5MHz_QPSK_26065_1_Low



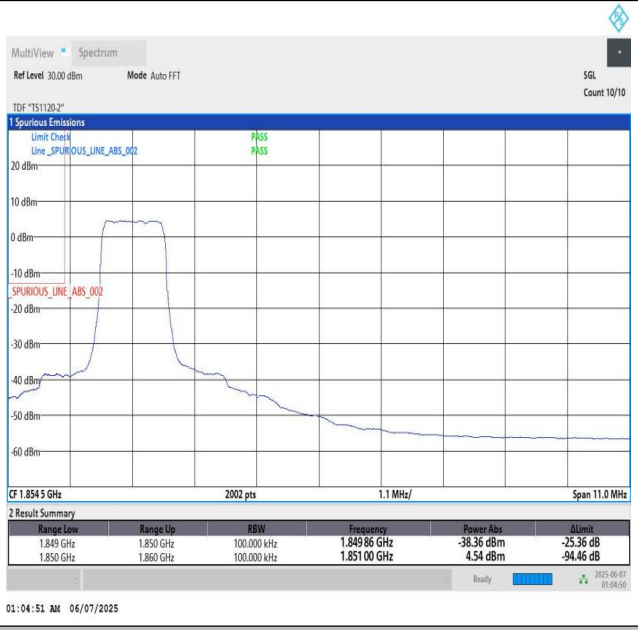
Band25_5MHz_QPSK_26065_6_Low



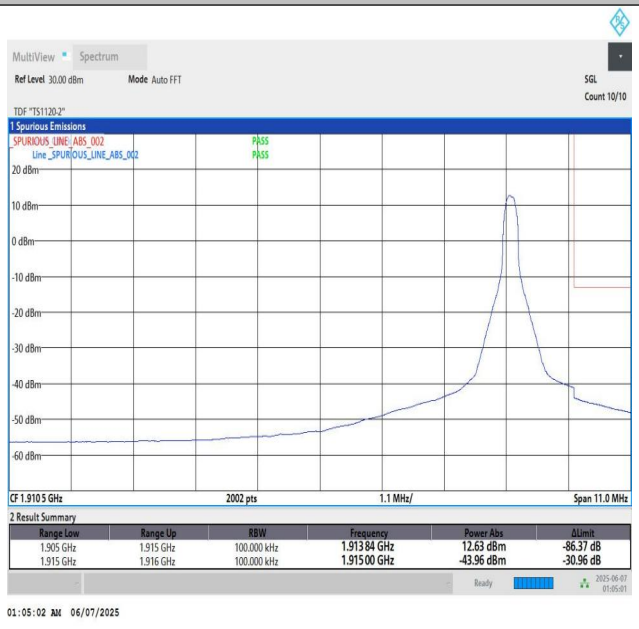
Band25_5MHz_QPSK_26665_1_High

Band25_5MHz_QPSK_26665_6_High

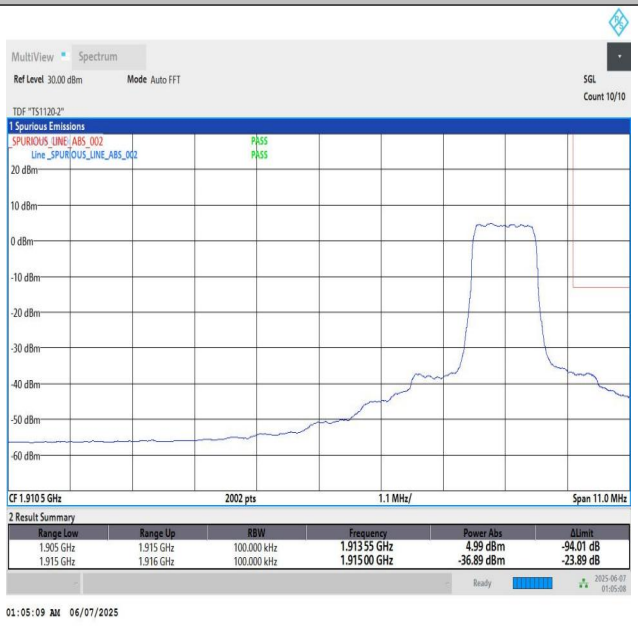
Band25_10MHz_QPSK_26090_1_Low



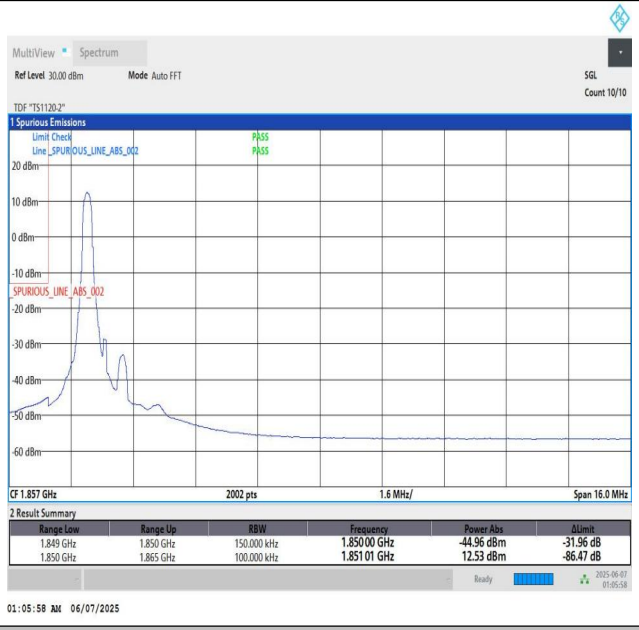
Band25_10MHz_QPSK_26090_6_Low



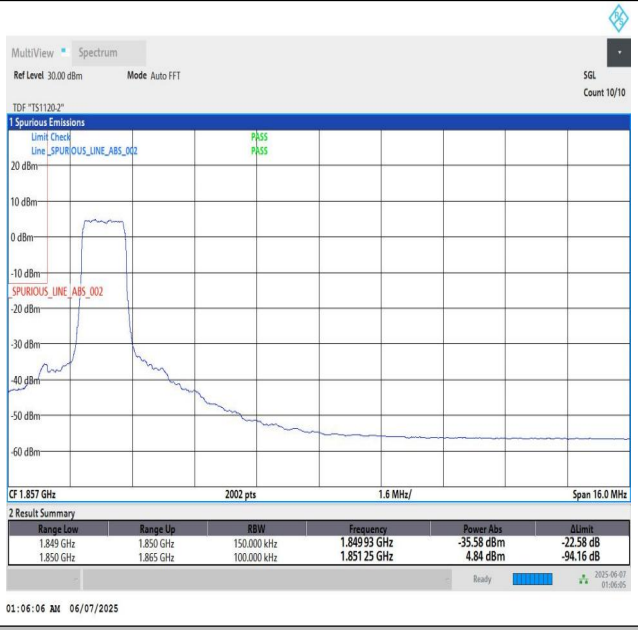
Band25_10MHz_QPSK_26640_1_High



Band25_10MHz_QPSK_26640_6_High



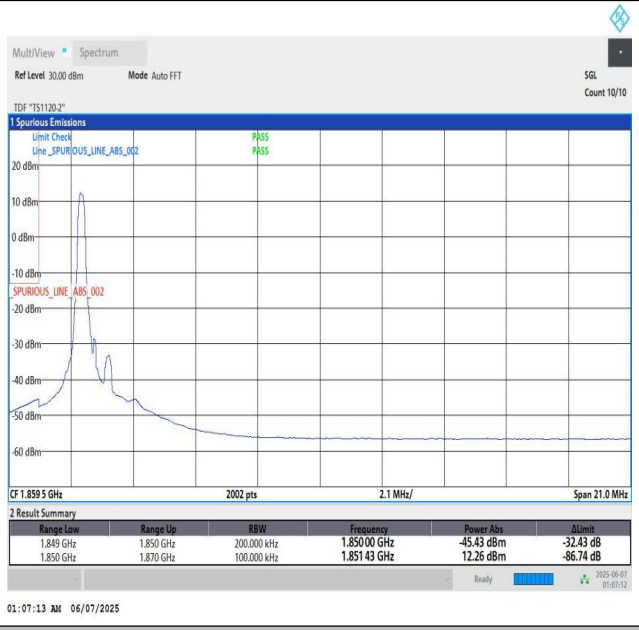
Band25_15MHz_QPSK_26115_1_Low



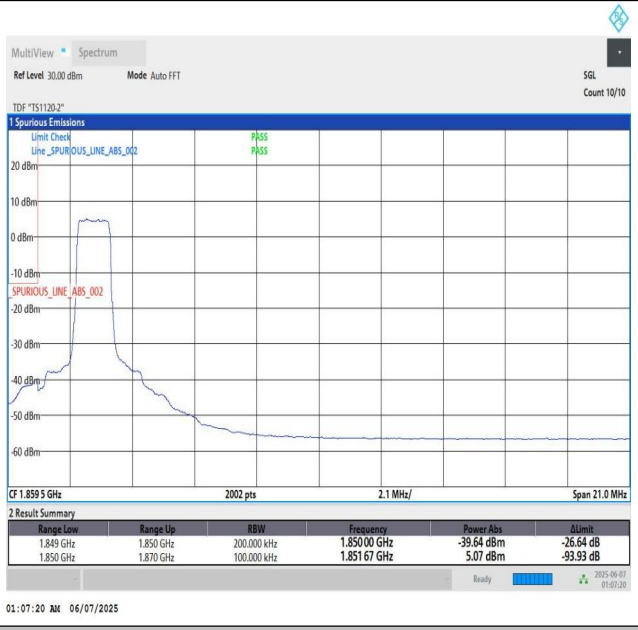
Band25_15MHz_QPSK_26115_6_Low

Band25_15MHz_QPSK_26615_1_High

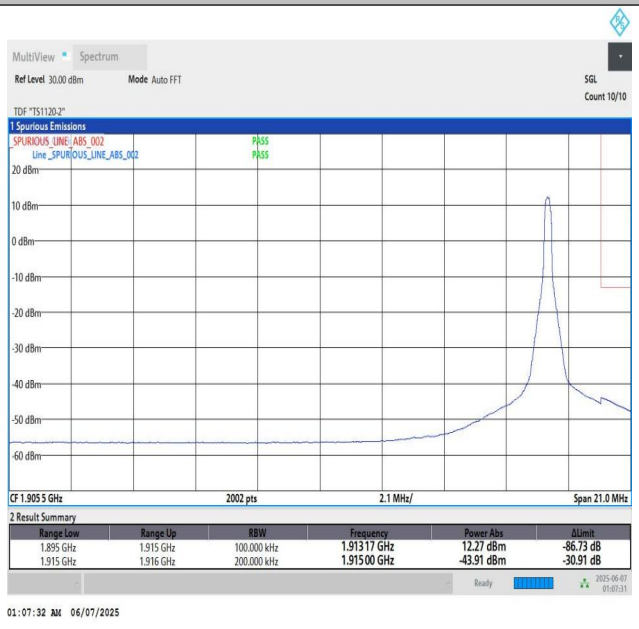
Band25_15MHz_QPSK_26615_6_High



Band25_20MHz_QPSK_26140_1_Low



Band25_20MHz_QPSK_26140_6_Low

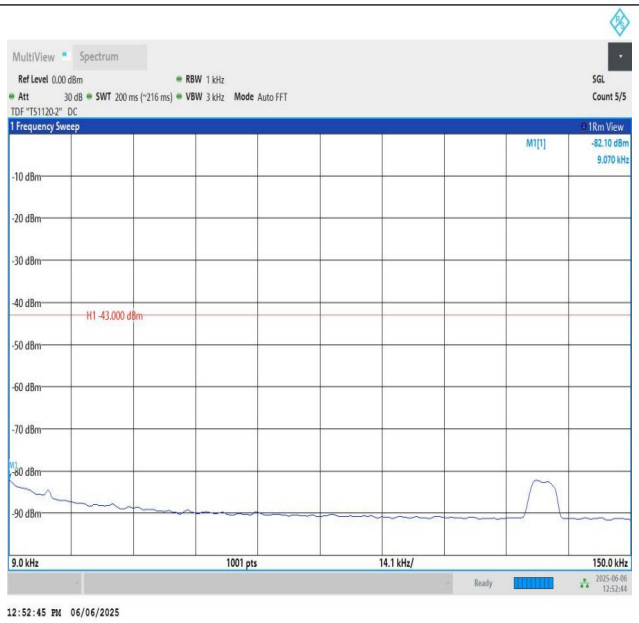


Band25_20MHz_QPSK_26590_1_High

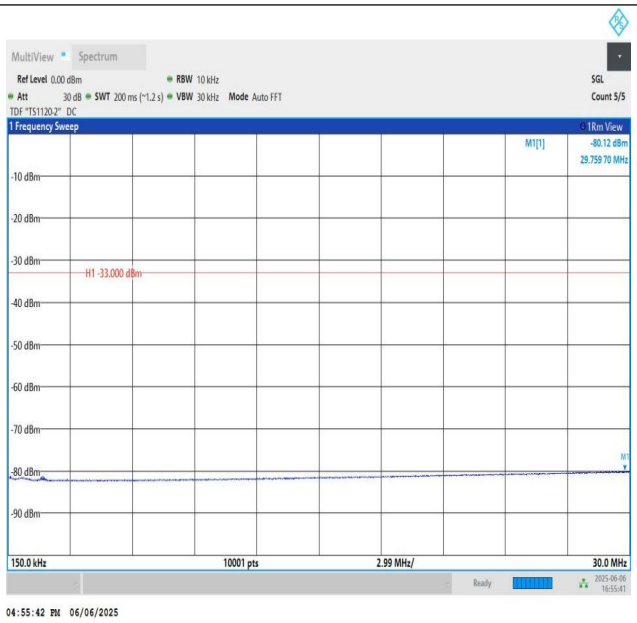
Band25_20MHz_QPSK_26590_6_High

Conducted Spurious Emission for M1

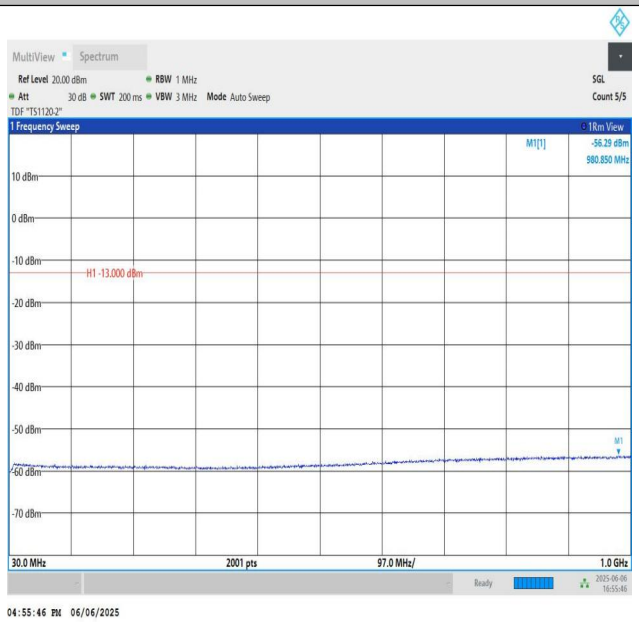
Test Graphs



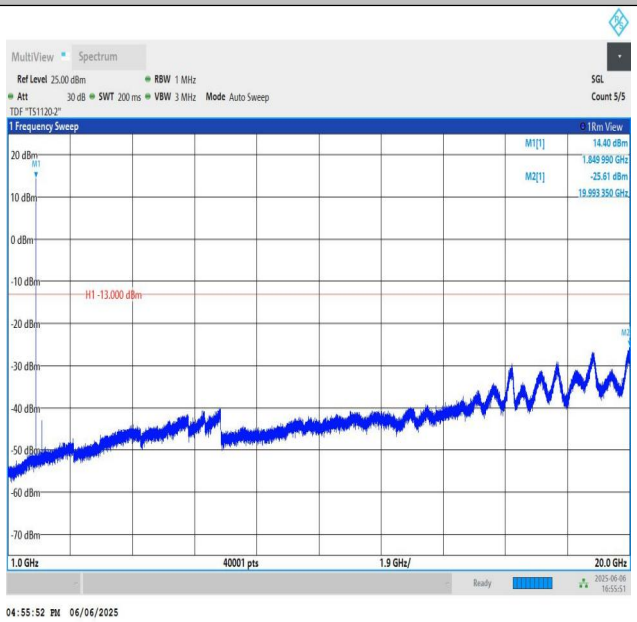
Band25-1.4MHz-QPSK-26047-PASS



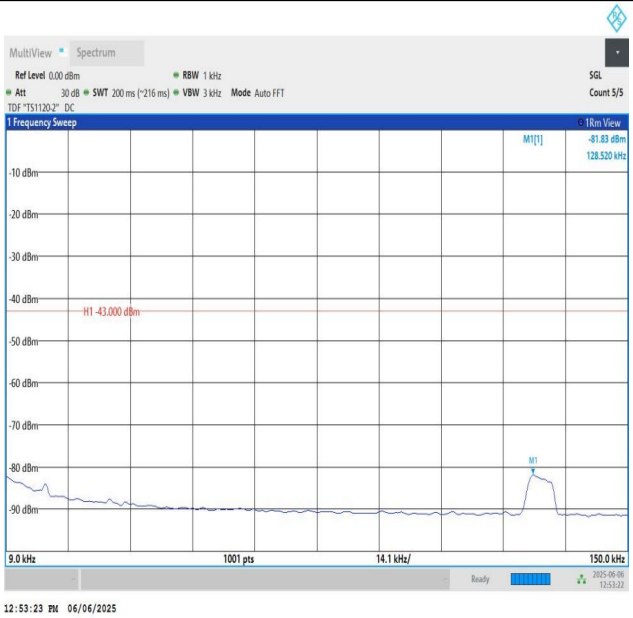
Band25-1.4MHz-QPSK-26047-PASS



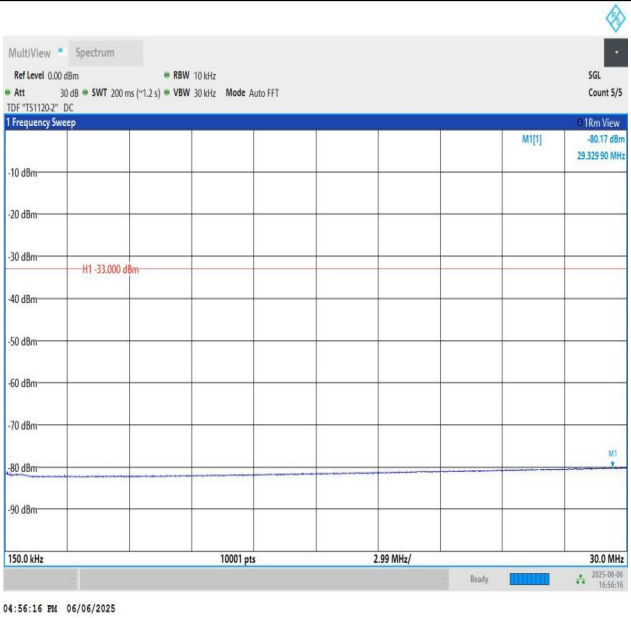
Band25-1.4MHz-QPSK-26047-PASS



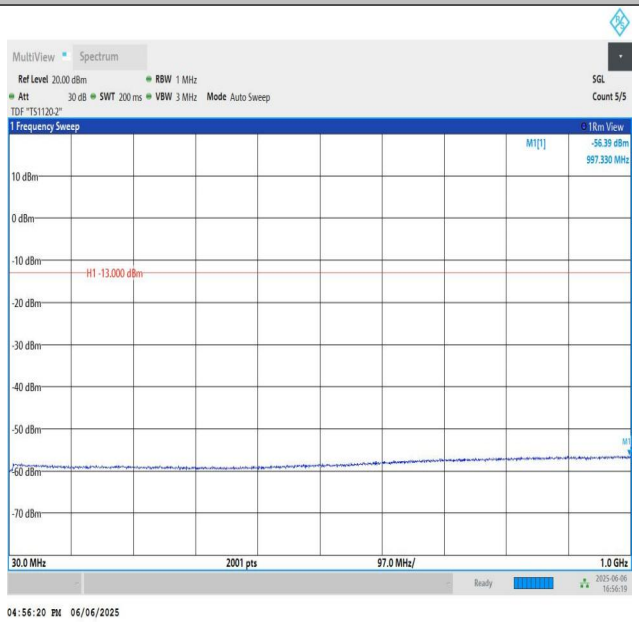
Band25-1.4MHz-QPSK-26047-PASS



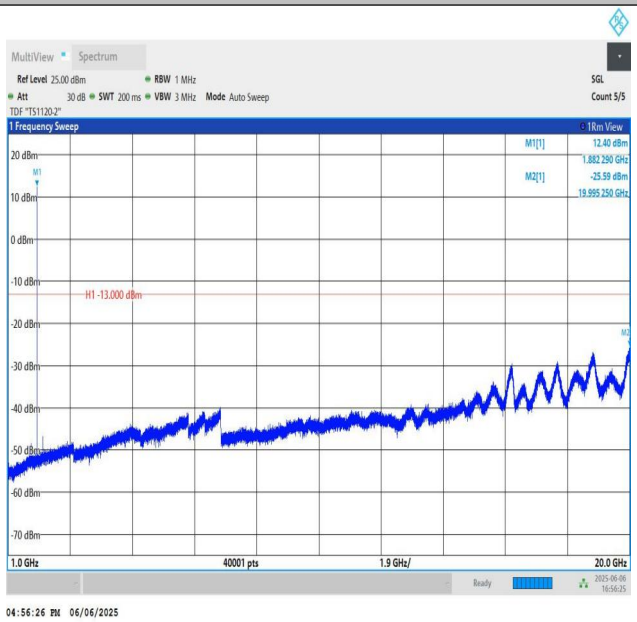
Band25-1.4MHz-QPSK-26365-PASS



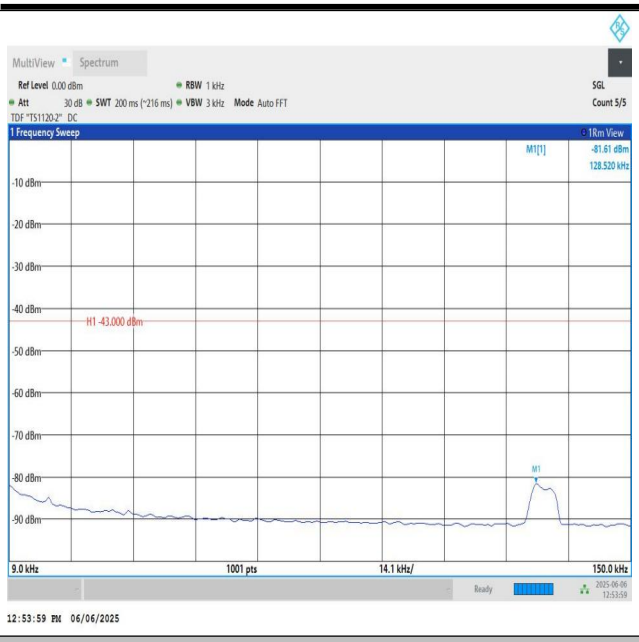
Band25-1.4MHz-QPSK-26365-PASS



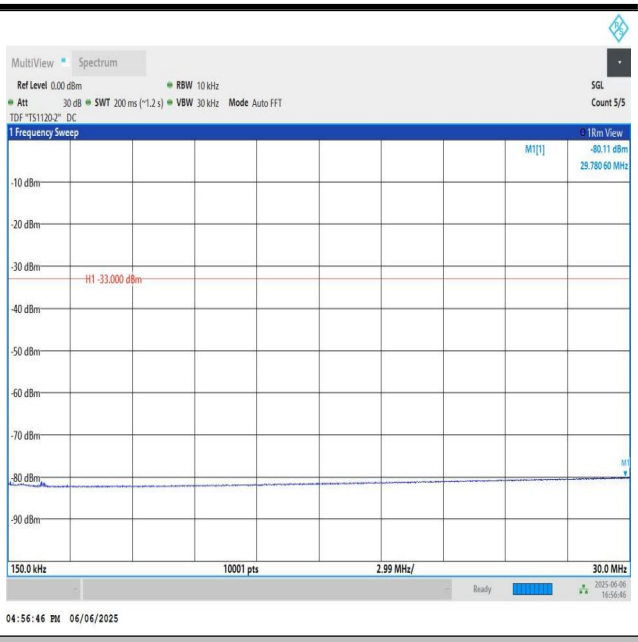
Band25-1.4MHz-QPSK-26365-PASS



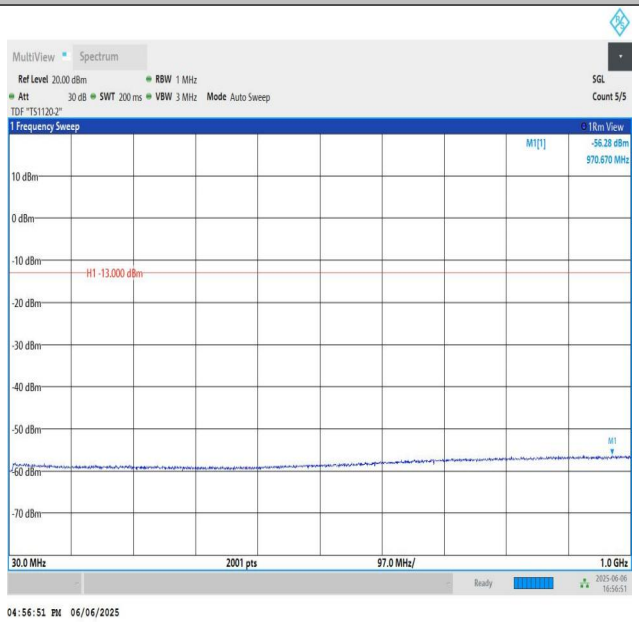
Band25-1.4MHz-QPSK-26365-PASS



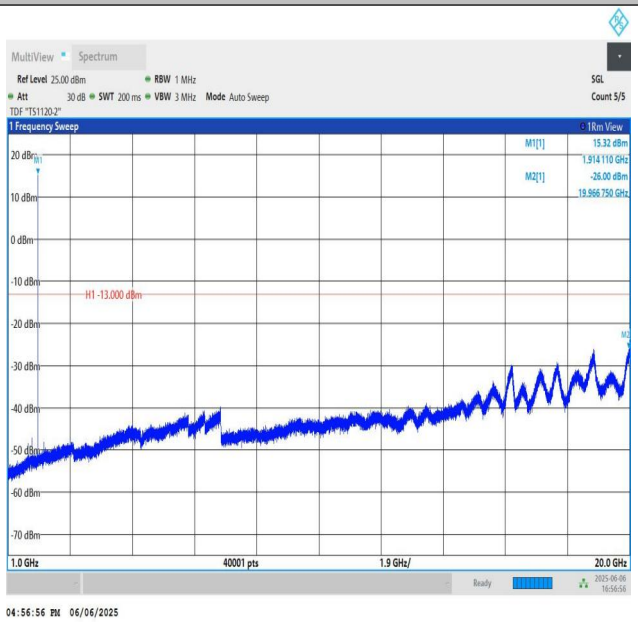
Band25-1.4MHz-QPSK-26683-PASS



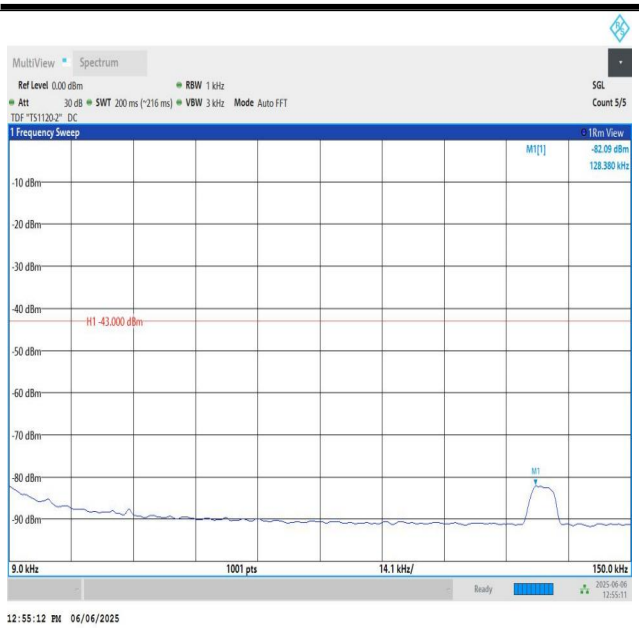
Band25-1.4MHz-QPSK-26683-PASS



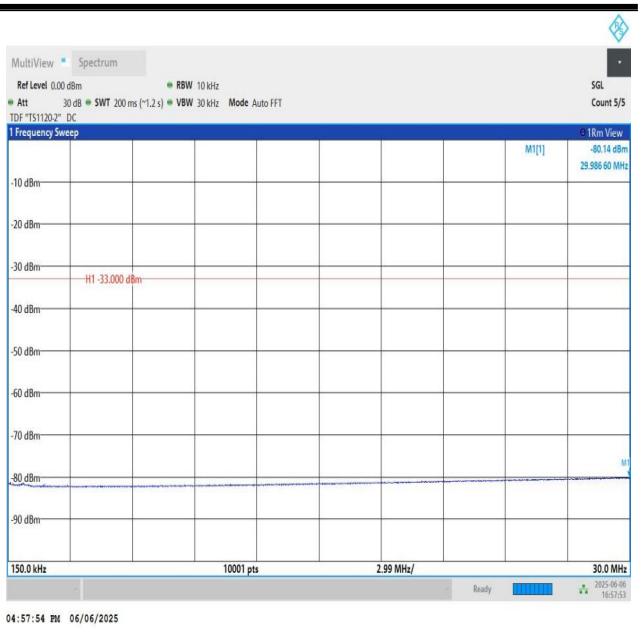
Band25-1.4MHz-QPSK-26683-PASS



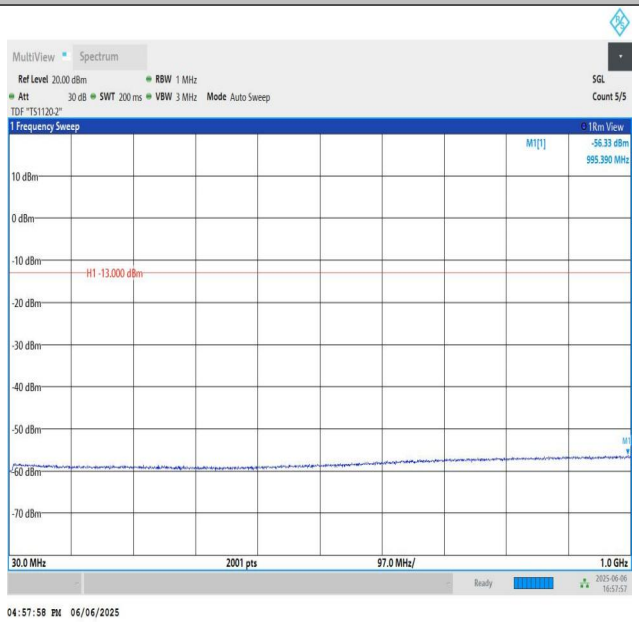
Band25-1.4MHz-QPSK-26683-PASS



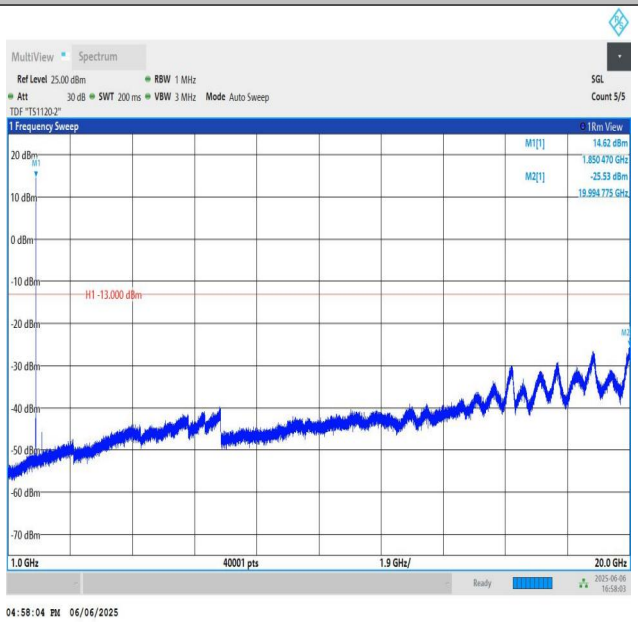
Band25-3MHz-QPSK-26055-PASS



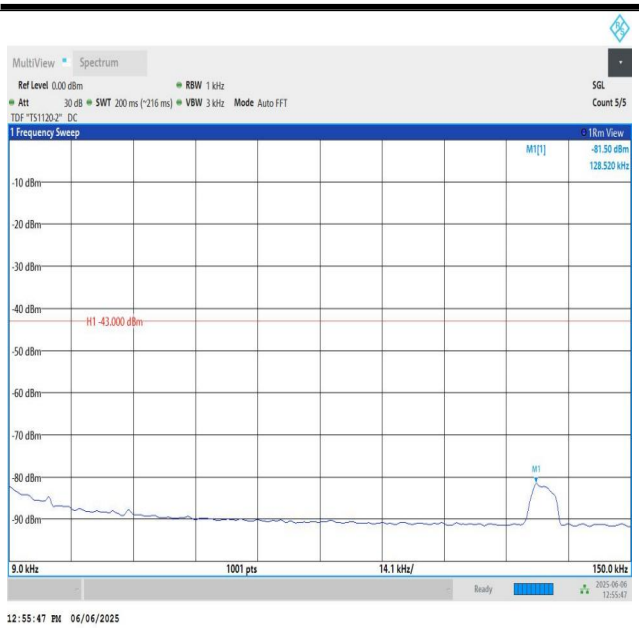
Band25-3MHz-QPSK-26055-PASS



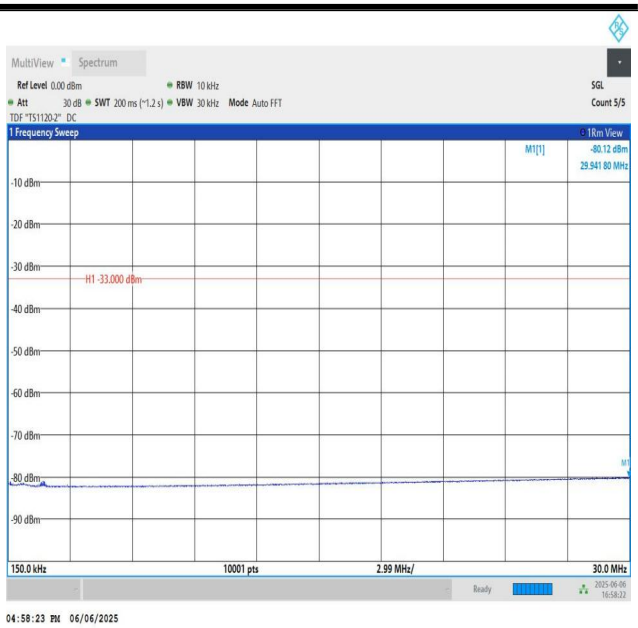
Band25-3MHz-QPSK-26055-PASS



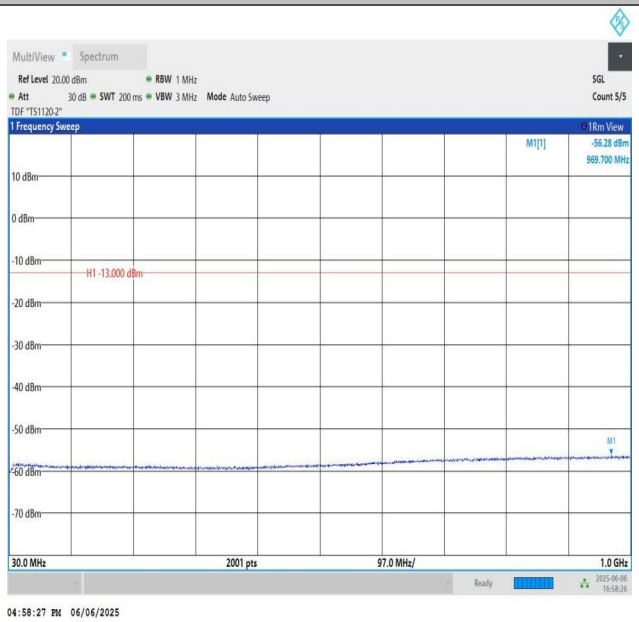
Band25-3MHz-QPSK-26055-PASS



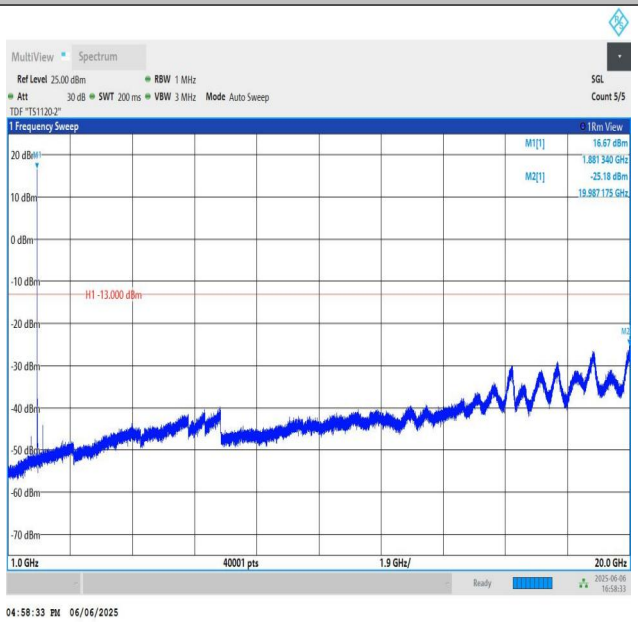
Band25-3MHz-QPSK-26365-PASS



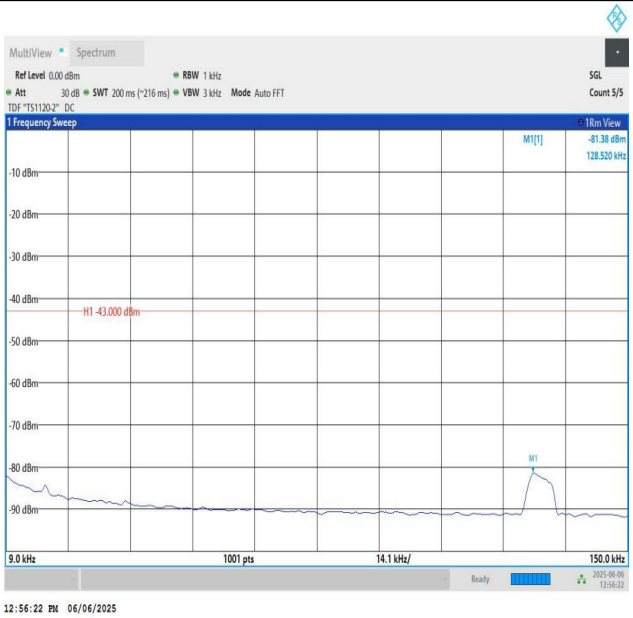
Band25-3MHz-QPSK-26365-PASS



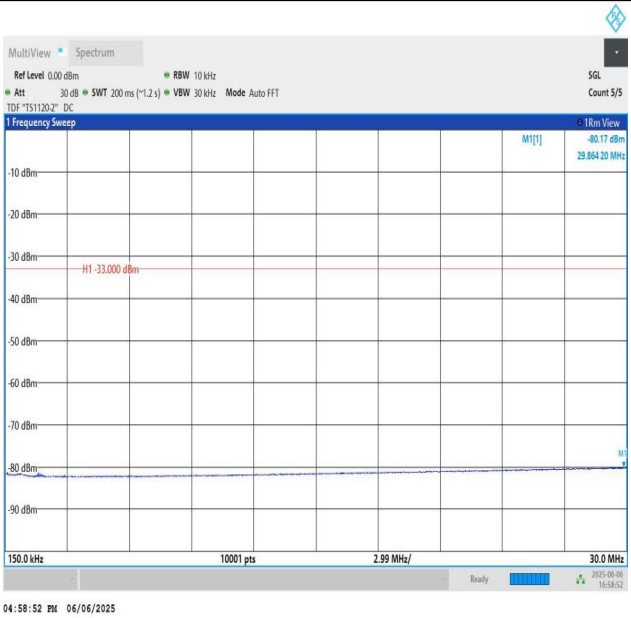
Band25-3MHz-QPSK-26365-PASS



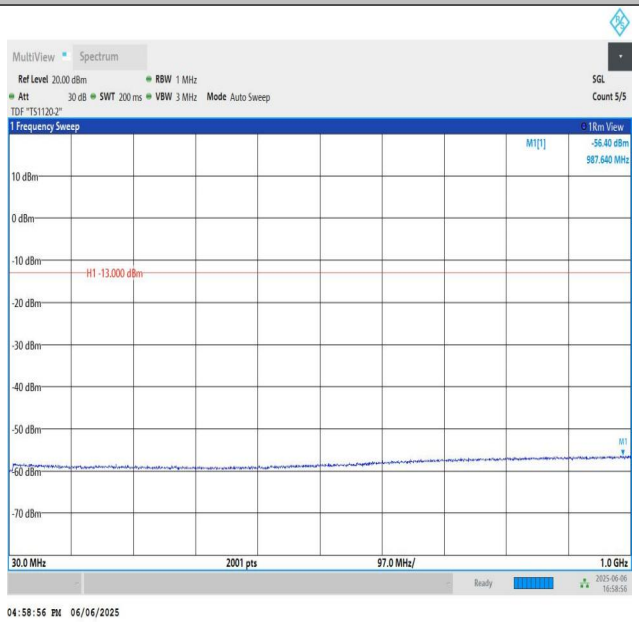
Band25-3MHz-QPSK-26365-PASS



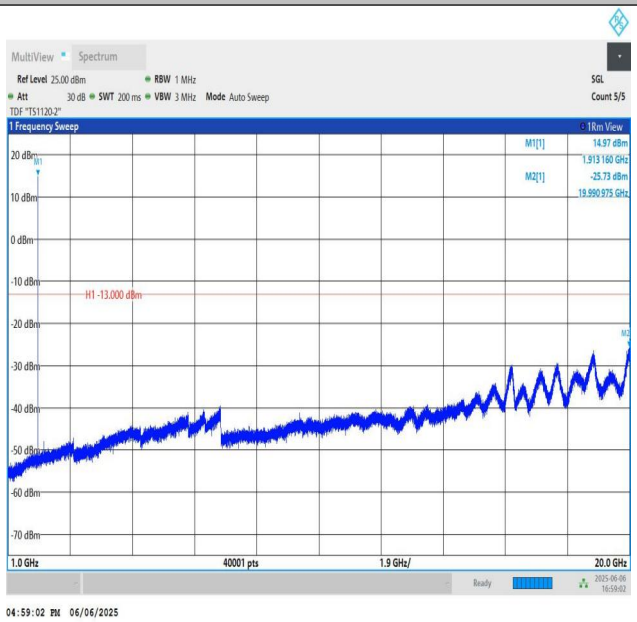
Band25-3MHz-QPSK-26675-PASS



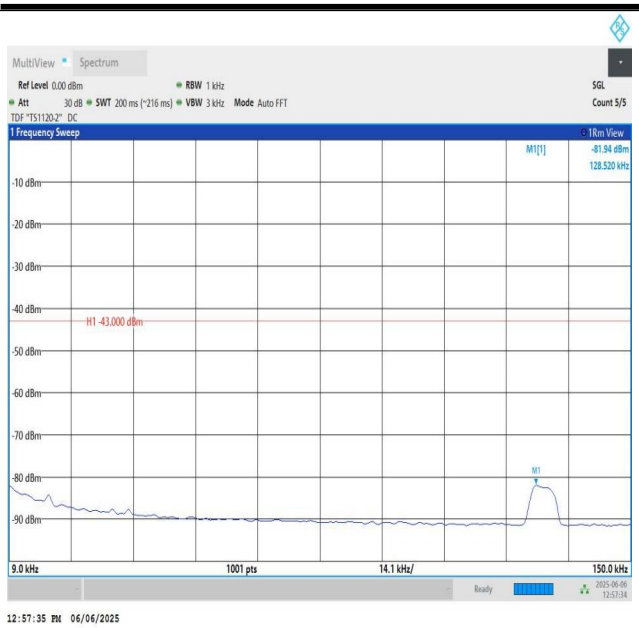
Band25-3MHz-QPSK-26675-PASS



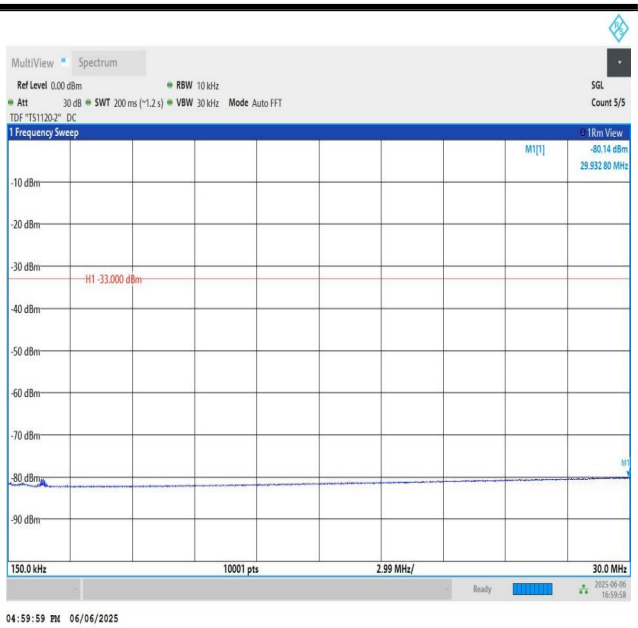
Band25-3MHz-QPSK-26675-PASS



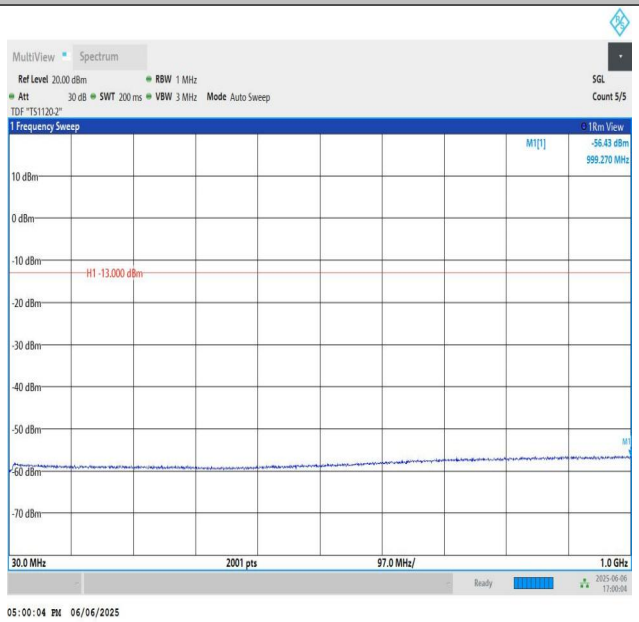
Band25-3MHz-QPSK-26675-PASS



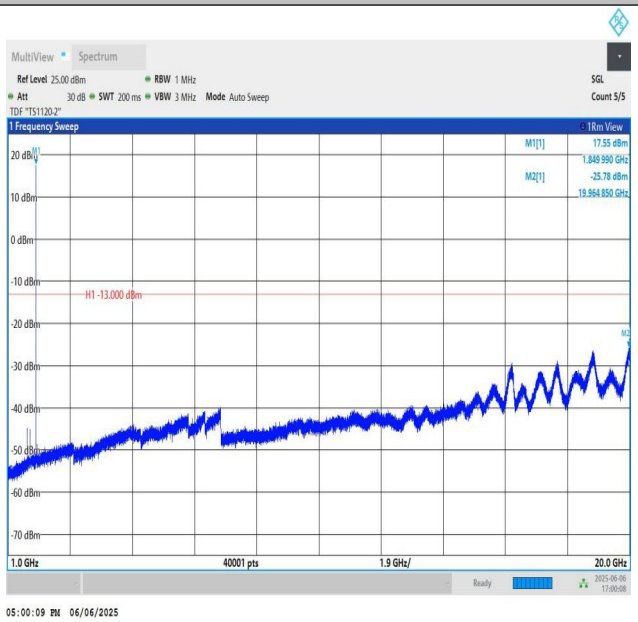
Band25-5MHz-QPSK-26065-PASS



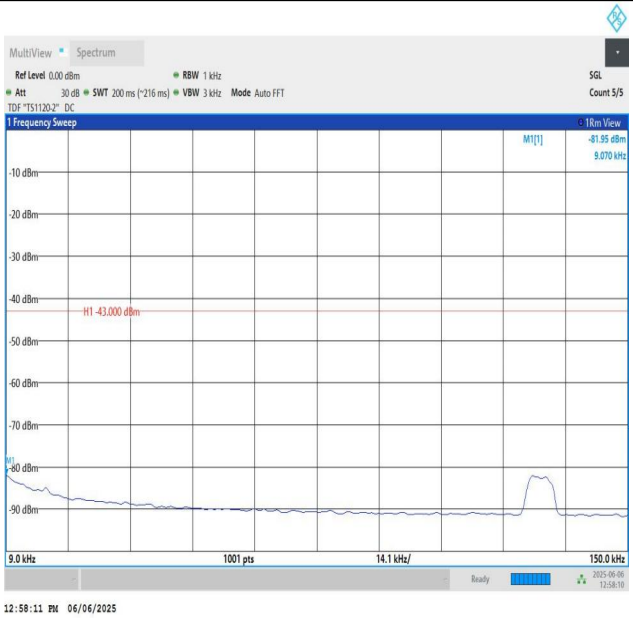
Band25-5MHz-QPSK-26065-PASS



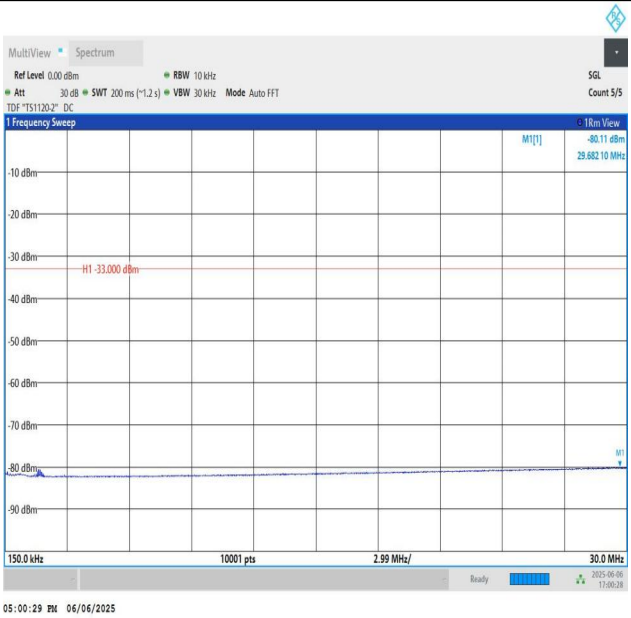
Band25-5MHz-QPSK-26065-PASS



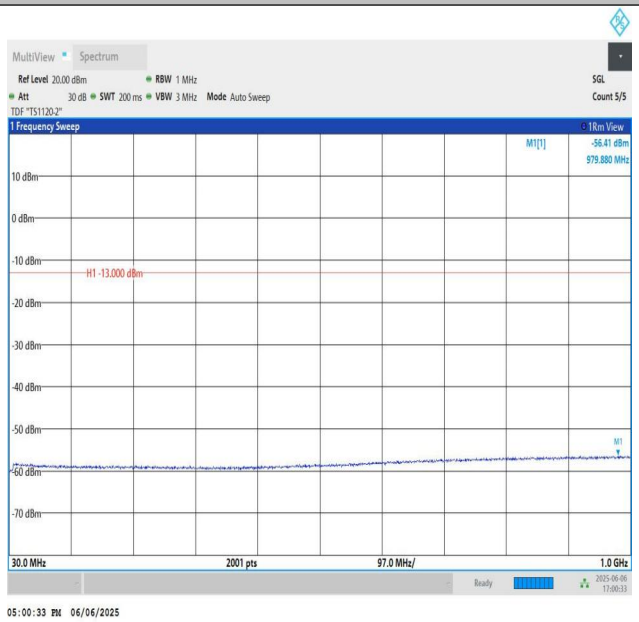
Band25-5MHz-QPSK-26065-PASS



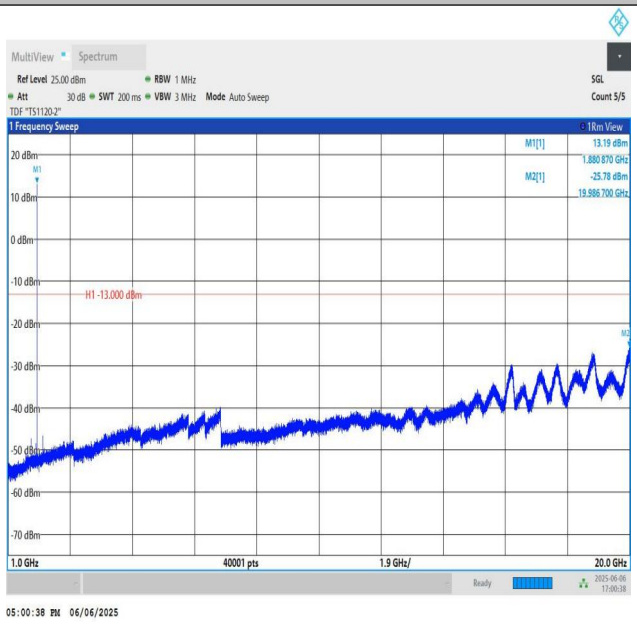
Band25-5MHz-QPSK-26365-PASS



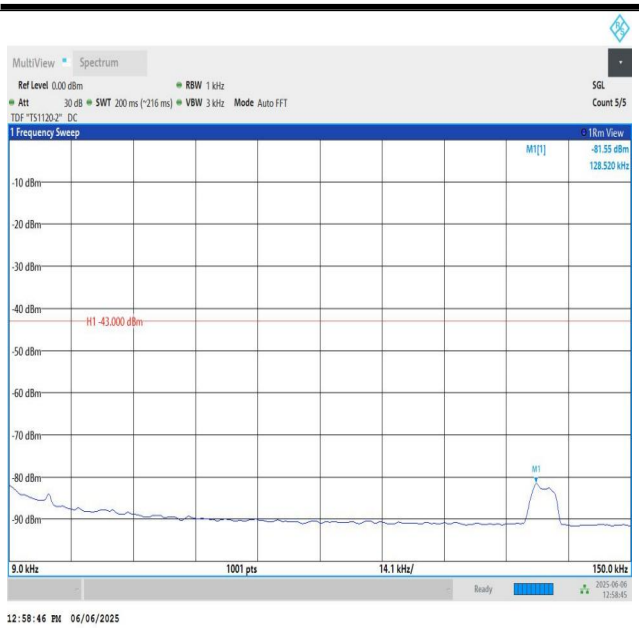
Band25-5MHz-QPSK-26365-PASS



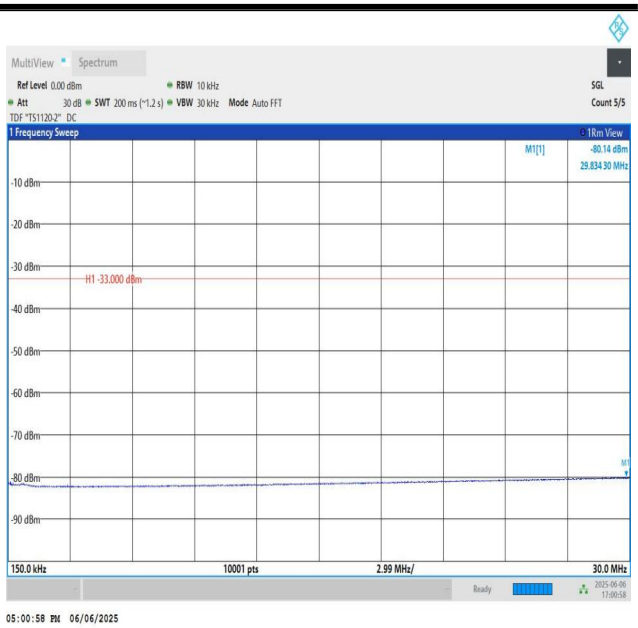
Band25-5MHz-QPSK-26365-PASS



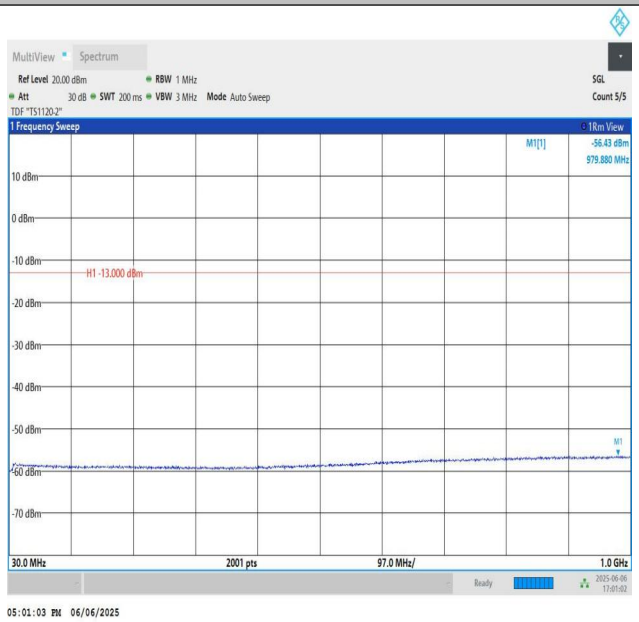
Band25-5MHz-QPSK-26365-PASS



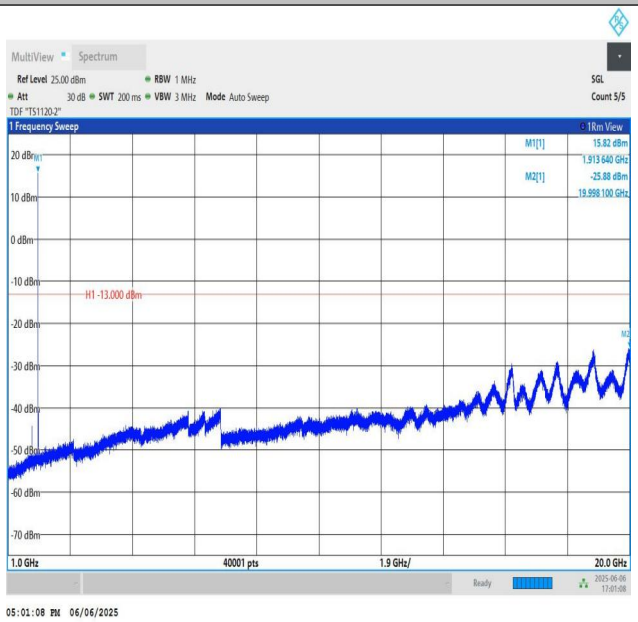
Band25-5MHz-QPSK-26665-PASS



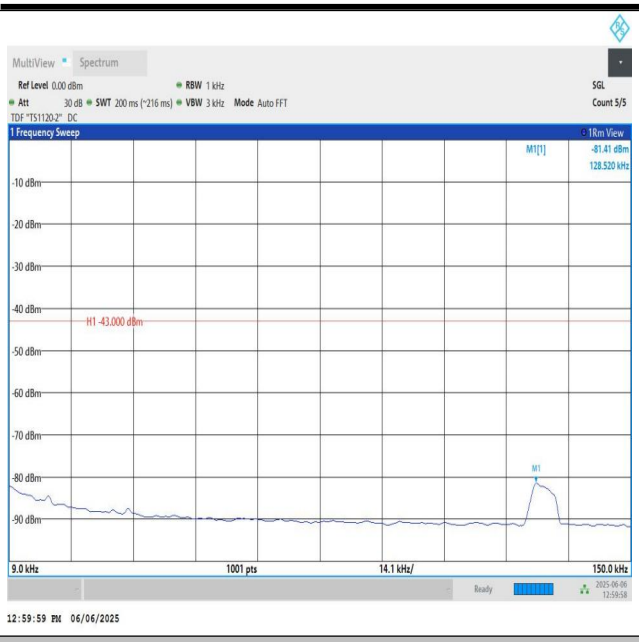
Band25-5MHz-QPSK-26665-PASS



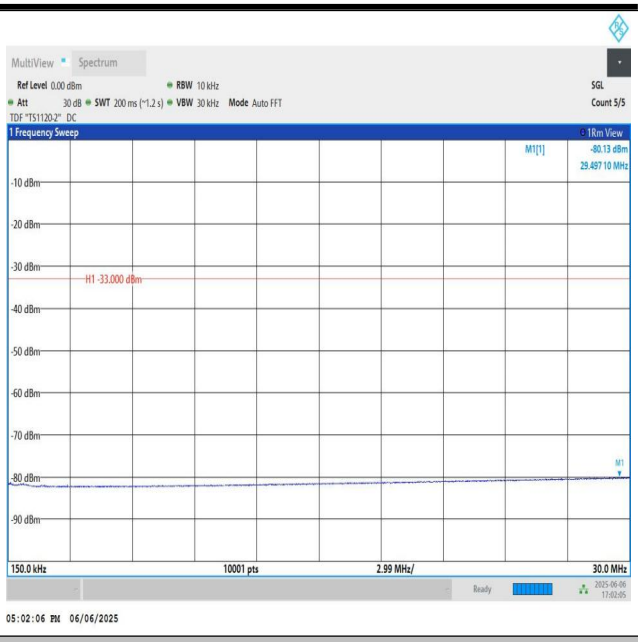
Band25-5MHz-QPSK-26665-PASS



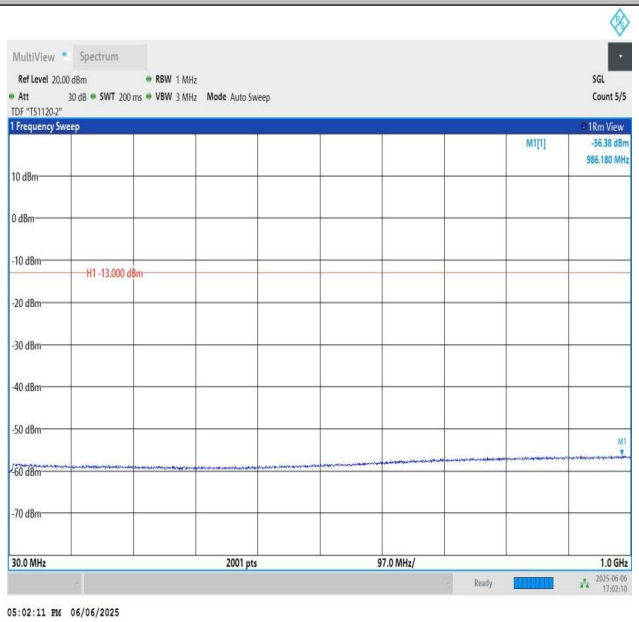
Band25-5MHz-QPSK-26665-PASS



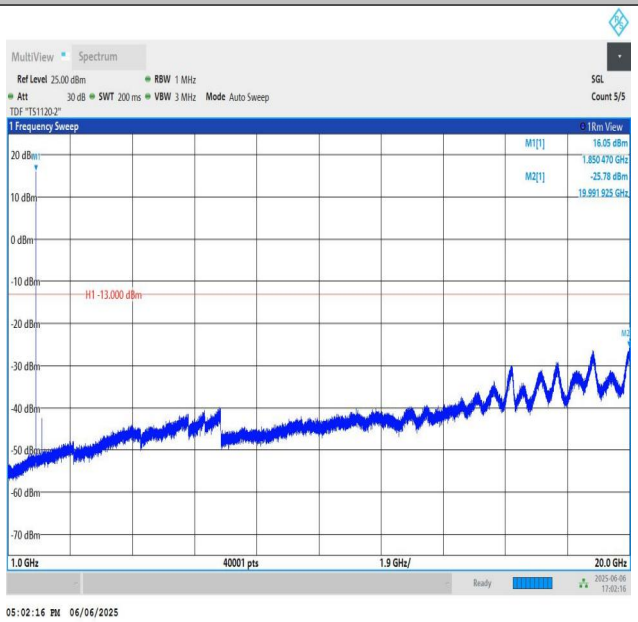
Band25-10MHz-QPSK-26090-PASS



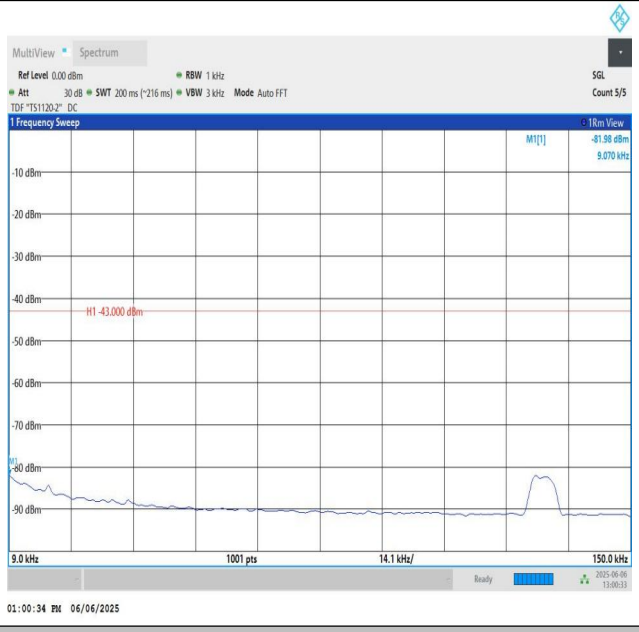
Band25-10MHz-QPSK-26090-PASS



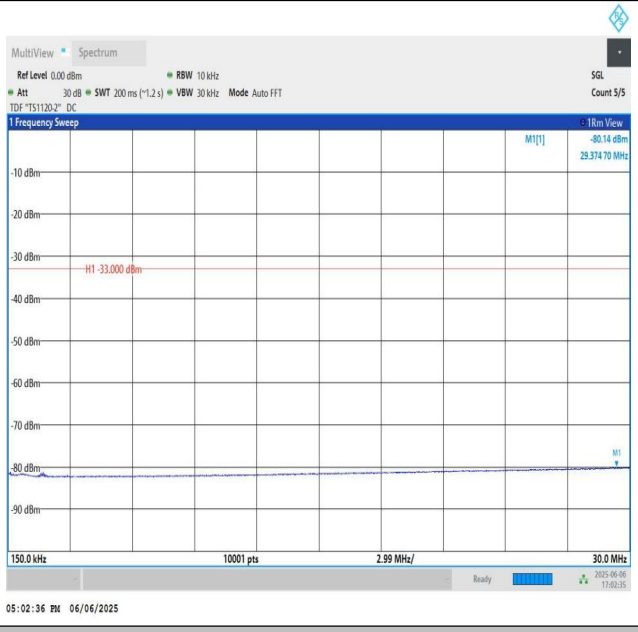
Band25-10MHz-QPSK-26090-PASS



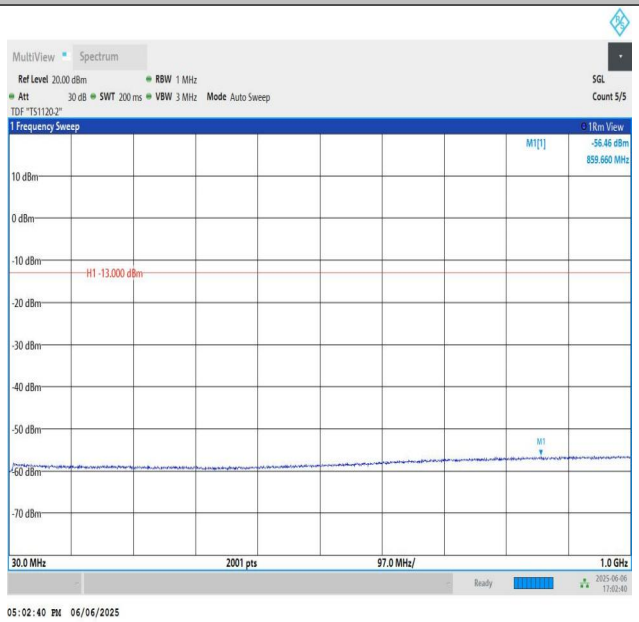
Band25-10MHz-QPSK-26090-PASS



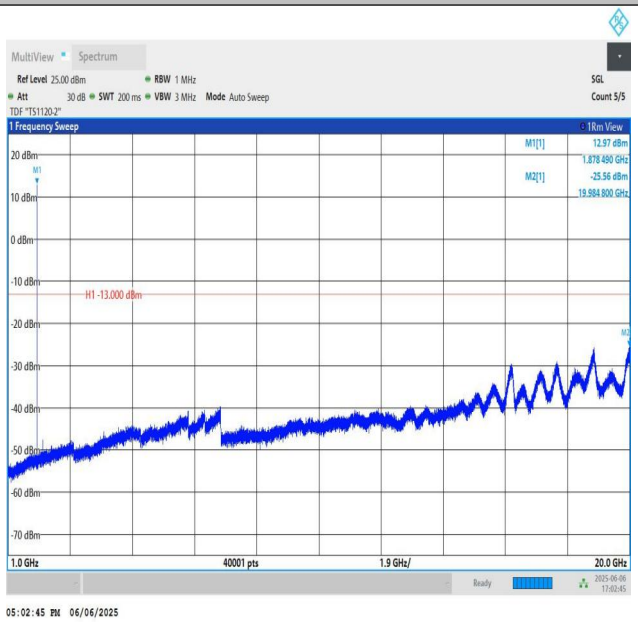
Band25-10MHz-QPSK-26365-PASS



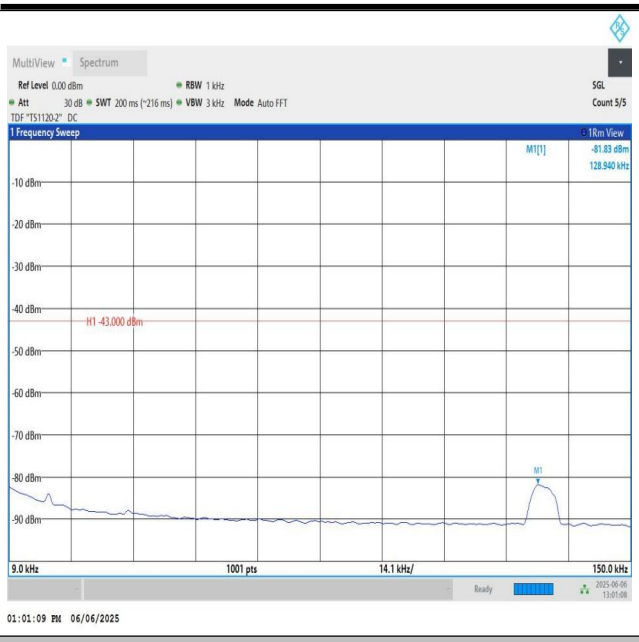
Band25-10MHz-QPSK-26365-PASS



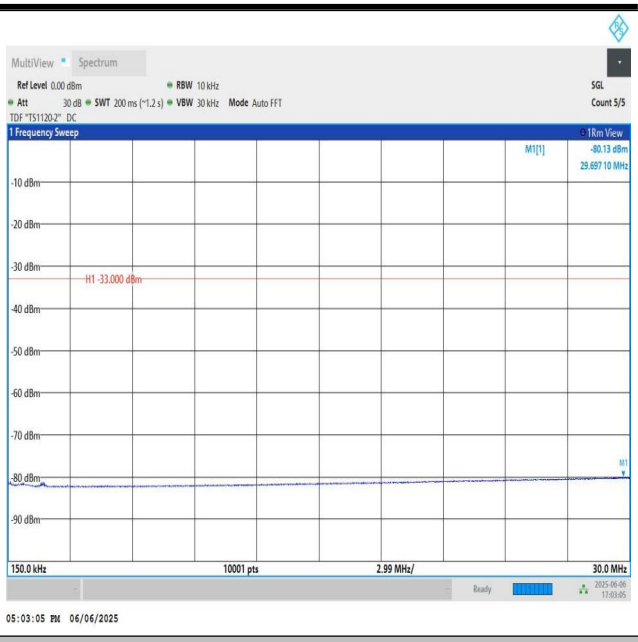
Band25-10MHz-QPSK-26365-PASS



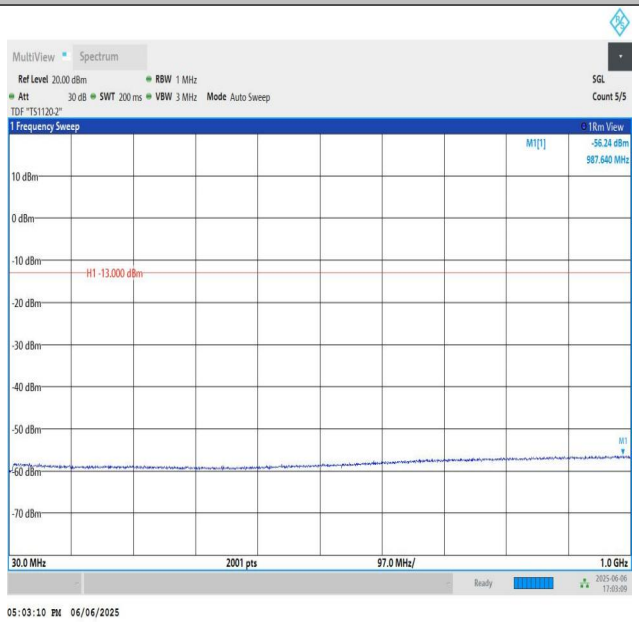
Band25-10MHz-QPSK-26365-PASS



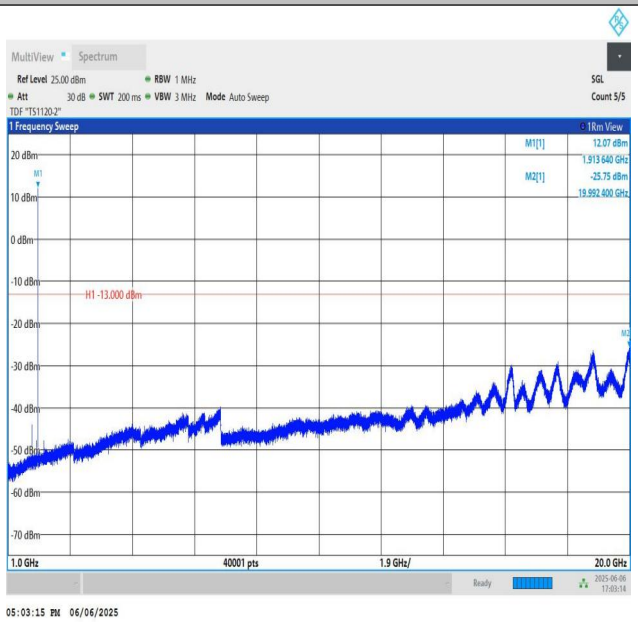
Band25-10MHz-QPSK-26640-PASS



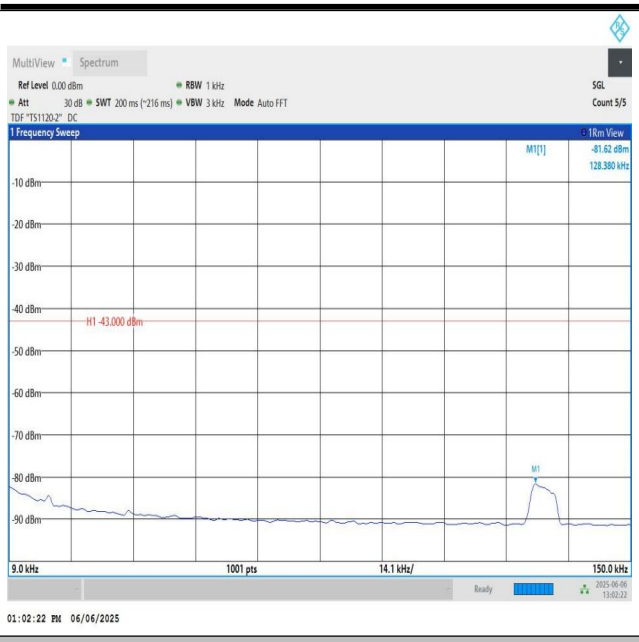
Band25-10MHz-QPSK-26640-PASS



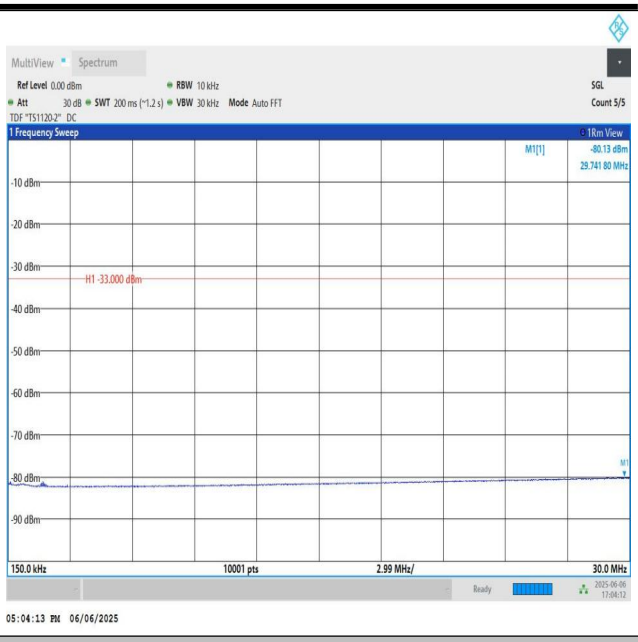
Band25-10MHz-QPSK-26640-PASS



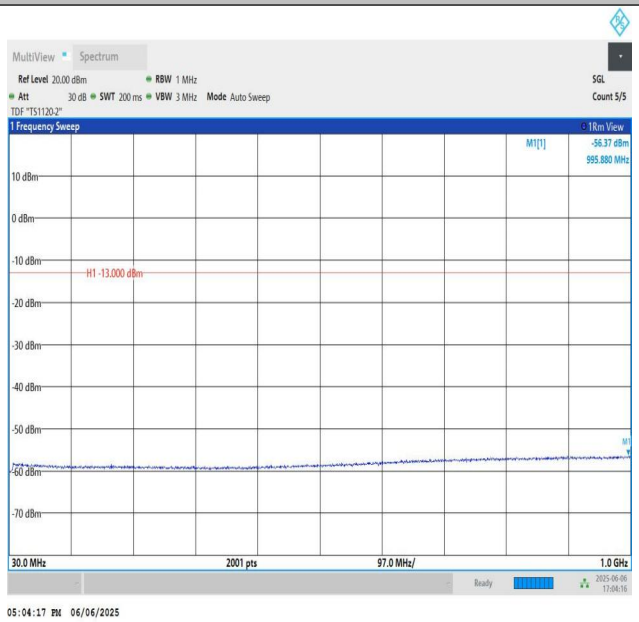
Band25-10MHz-QPSK-26640-PASS



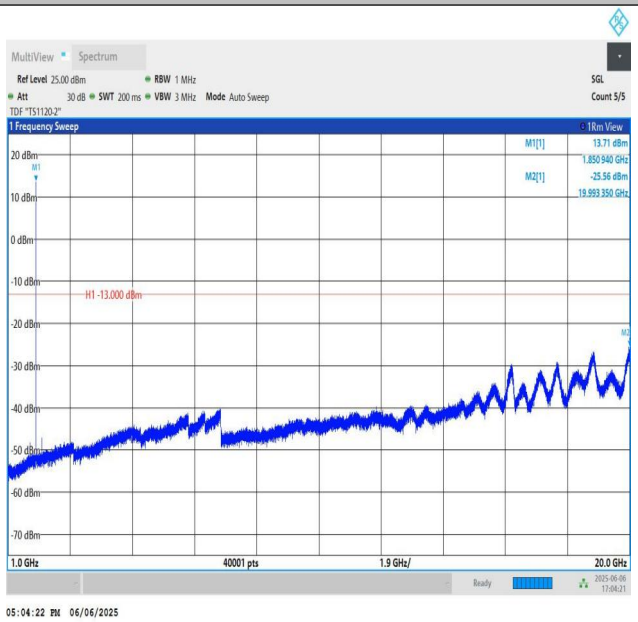
Band25-15MHz-QPSK-26115-PASS



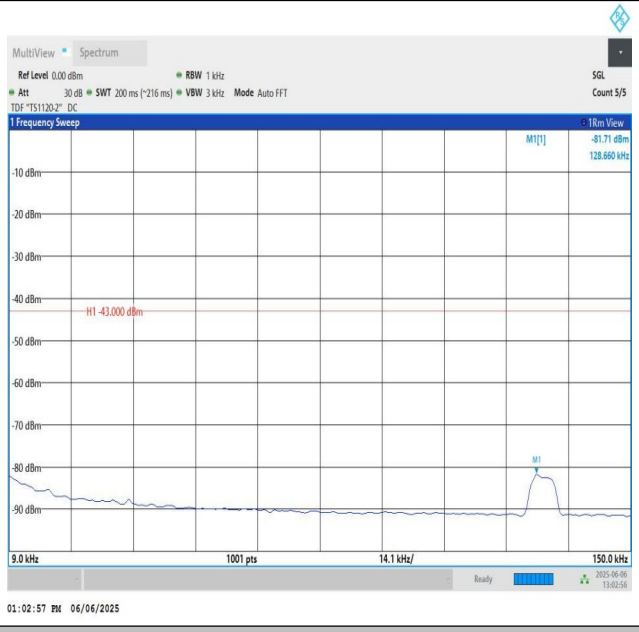
Band25-15MHz-QPSK-26115-PASS



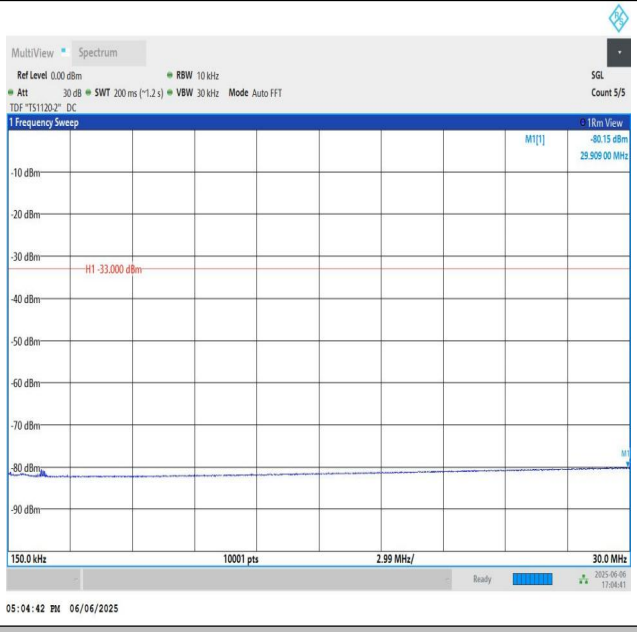
Band25-15MHz-QPSK-26115-PASS



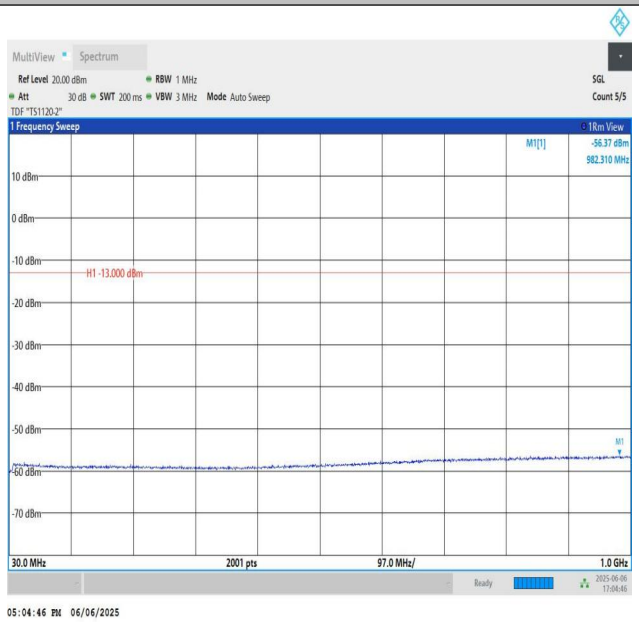
Band25-15MHz-QPSK-26115-PASS



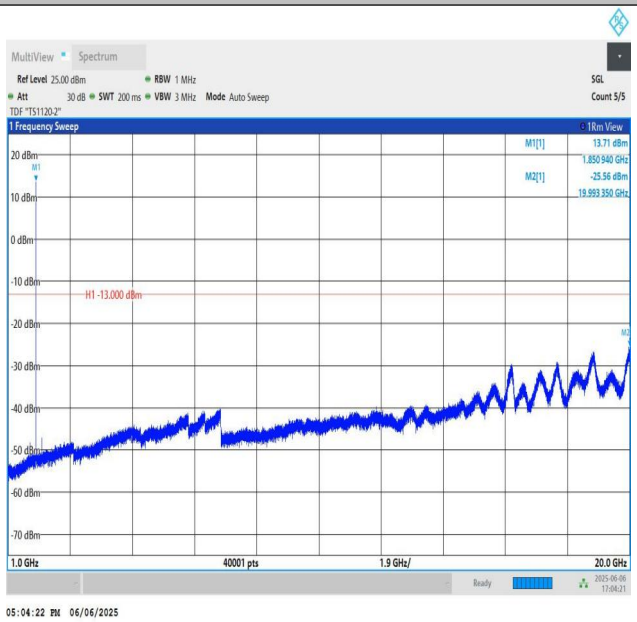
Band25-15MHz-QPSK-26365-PASS



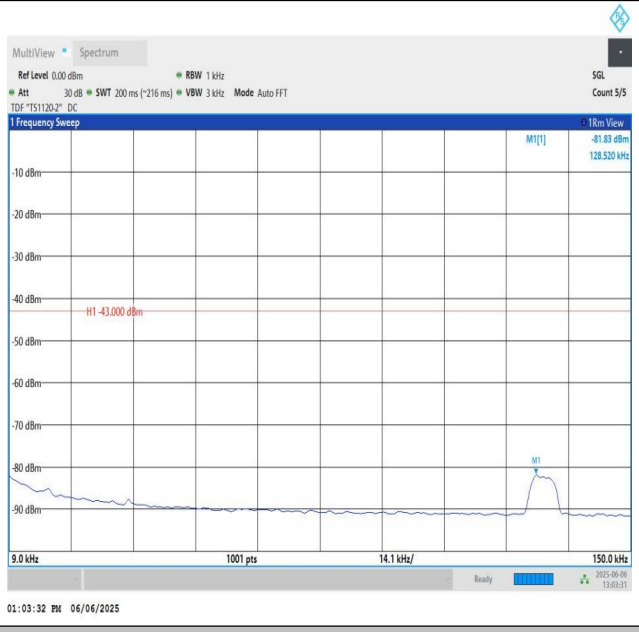
Band25-15MHz-QPSK-26365-PASS



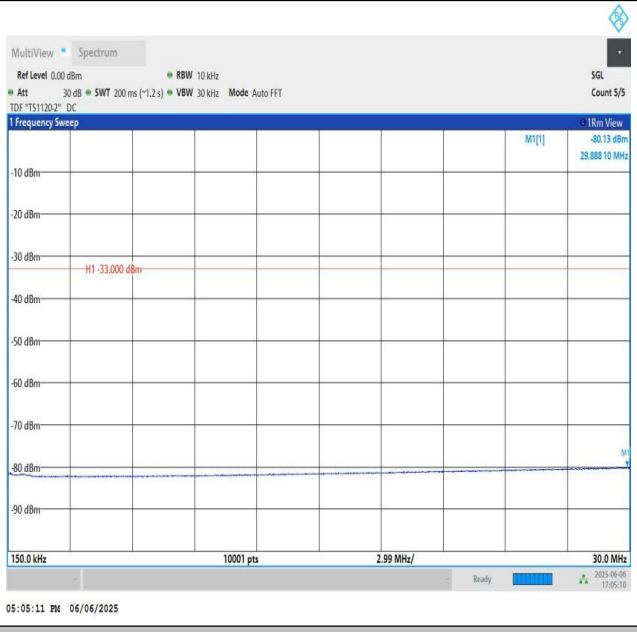
Band25-15MHz-QPSK-26365-PASS



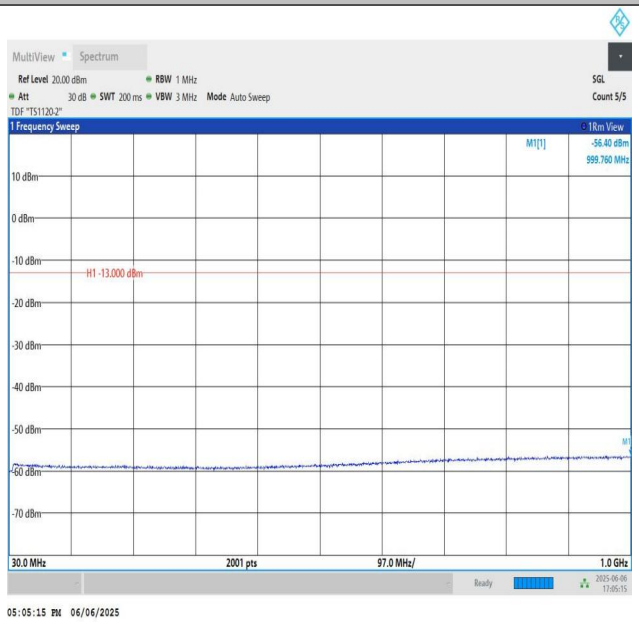
Band25-15MHz-QPSK-26365-PASS



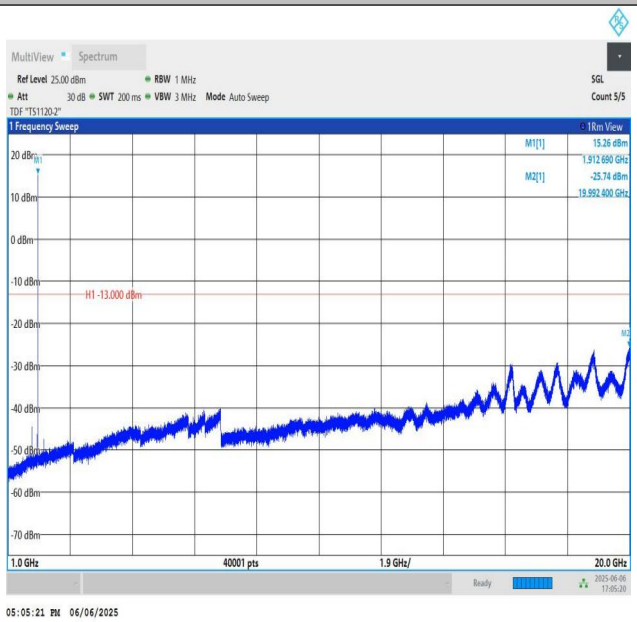
Band25-15MHz-QPSK-26615-PASS



Band25-15MHz-QPSK-26615-PASS



Band25-15MHz-QPSK-26615-PASS



Band25-15MHz-QPSK-26615-PASS

Frequency Stability for M1

Test Result

Voltage												
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band25	20MHz	26365	QPSK	6	0	Low	VN	NT	-7.96	-0.004228	±2.5	PASS
Band25	20MHz	26365	QPSK	6	0	Low	VL	NT	-11.59	-0.006157	±2.5	PASS
Band25	20MHz	26365	QPSK	6	0	Low	VH	NT	-10.32	-0.005482	±2.5	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band25	20MHz	26365	QPSK	6	0	Low	NV	-30	-11.04	-0.005865	±2.5	PASS
Band25	20MHz	26365	QPSK	6	0	Low	NV	-20	-11.84	-0.006290	±2.5	PASS
Band25	20MHz	26365	QPSK	6	0	Low	NV	-10	-7.85	-0.004170	±2.5	PASS
Band25	20MHz	26365	QPSK	6	0	Low	NV	0	-10.44	-0.005546	±2.5	PASS
Band25	20MHz	26365	QPSK	6	0	Low	NV	10	-12.17	-0.006465	±2.5	PASS
Band25	20MHz	26365	QPSK	6	0	Low	NV	20	-10.21	-0.005424	±2.5	PASS
Band25	20MHz	26365	QPSK	6	0	Low	NV	30	-9.32	-0.004951	±2.5	PASS
Band25	20MHz	26365	QPSK	6	0	Low	NV	40	-11.98	-0.006364	±2.5	PASS
Band25	20MHz	26365	QPSK	6	0	Low	NV	50	-9.71	-0.005158	±2.5	PASS

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