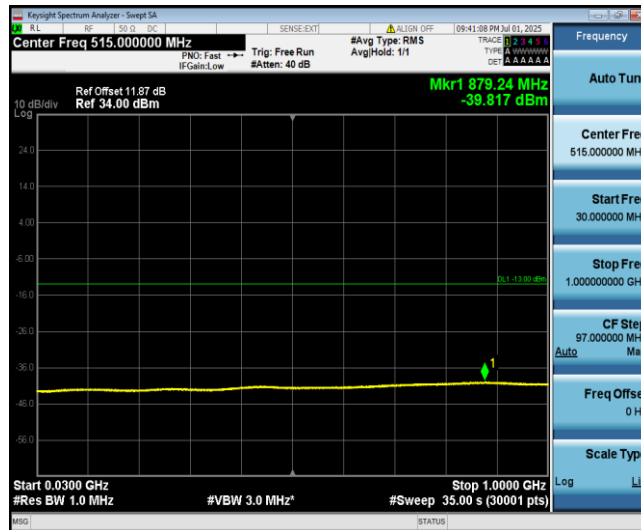
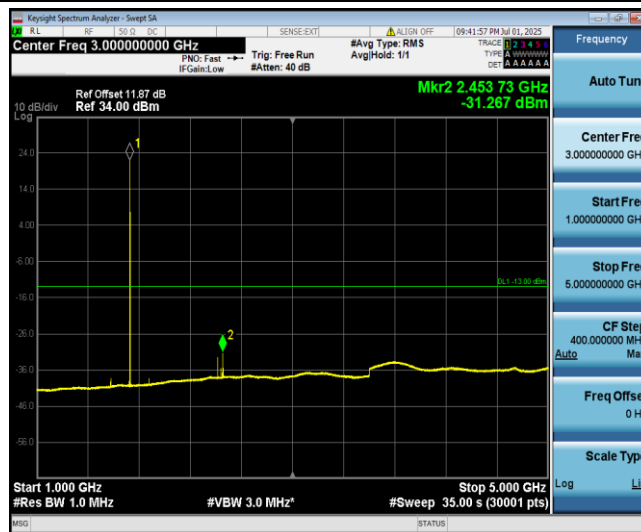




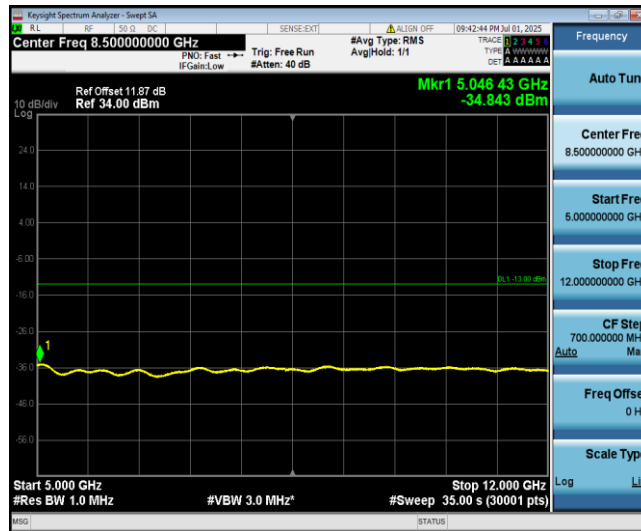
Band4-10MHz-QPSK-20000-1-0-Low-12000-26500--30.85-PASS



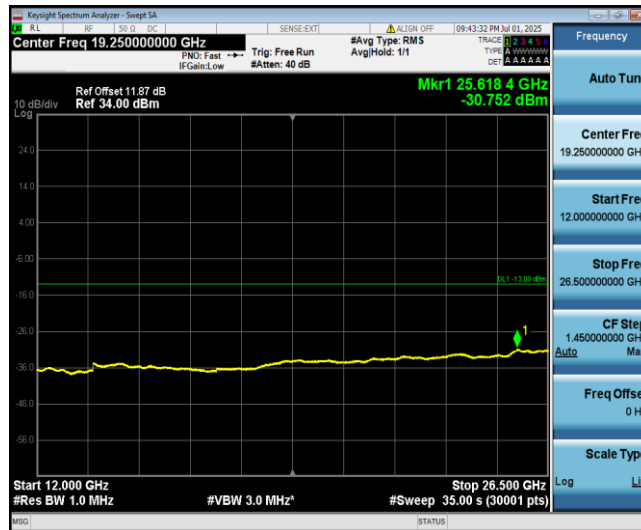
Band4-10MHz-QPSK-20175-1-0-Low-30-1000--39.82-PASS



Band4-10MHz-QPSK-20175-1-0-Low-1000-5000--31.27-PASS



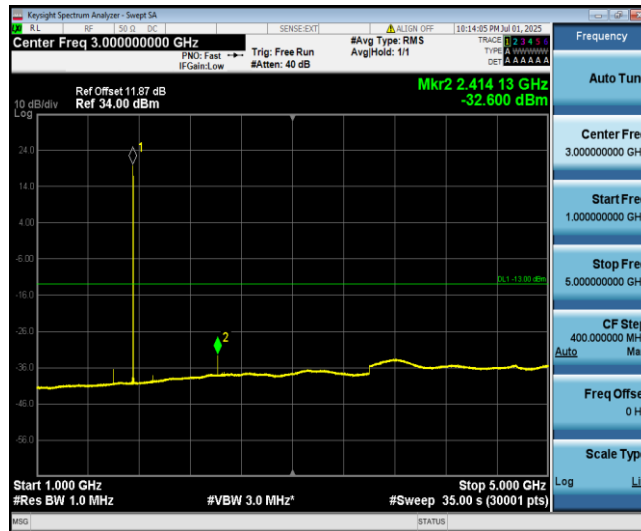
Band4-10MHz-QPSK-20175-1-0-Low-5000-12000--34.84-PASS



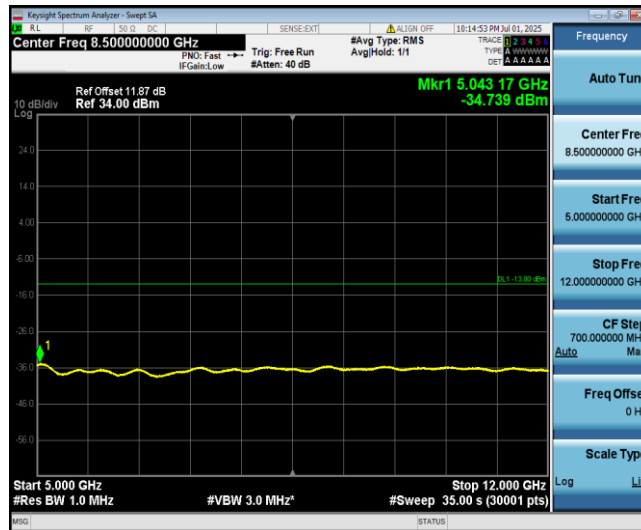
Band4-10MHz-QPSK-20175-1-0-Low-12000-26500--30.75-PASS



Band4-10MHz-QPSK-20350-1-0-High-30-1000--39.84-PASS



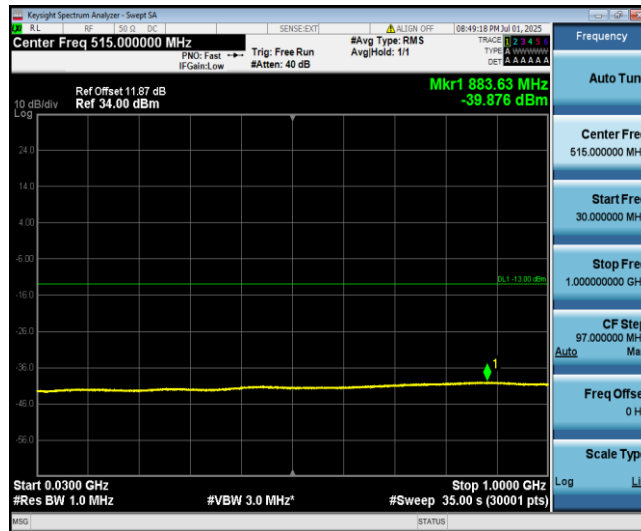
Band4-10MHz-QPSK-20350-1-0-High-1000-5000--32.6-PASS



Band4-10MHz-QPSK-20350-1-0-High-5000-12000--34.74-PASS



Band4-10MHz-QPSK-20350-1-0-High-12000-26500--30.81-PASS



Band4-10MHz-16QAM-20000-1-0-Low-30-1000--39.88-PASS



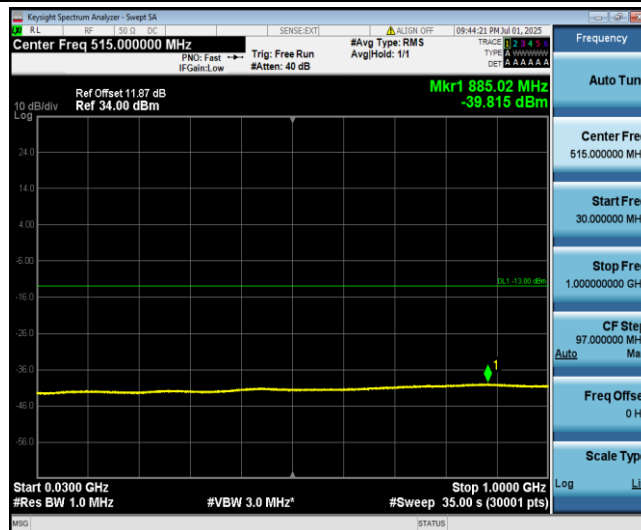
Band4-10MHz-16QAM-20000-1-0-Low-1000-5000--31.65-PASS



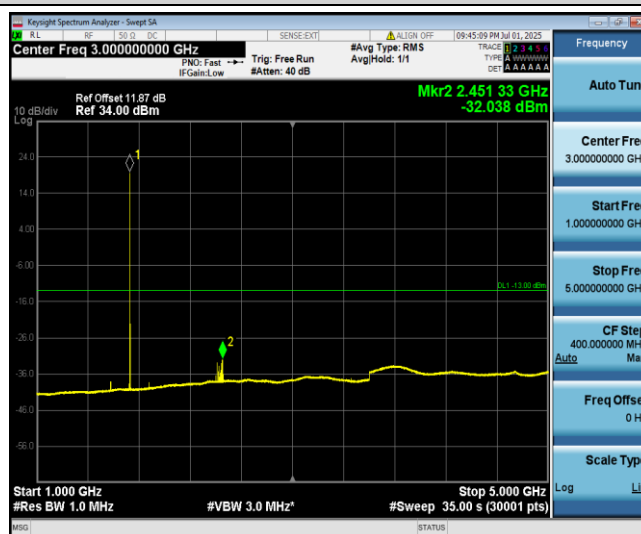
Band4-10MHz-16QAM-20000-1-0-Low-5000-12000--34.82-PASS



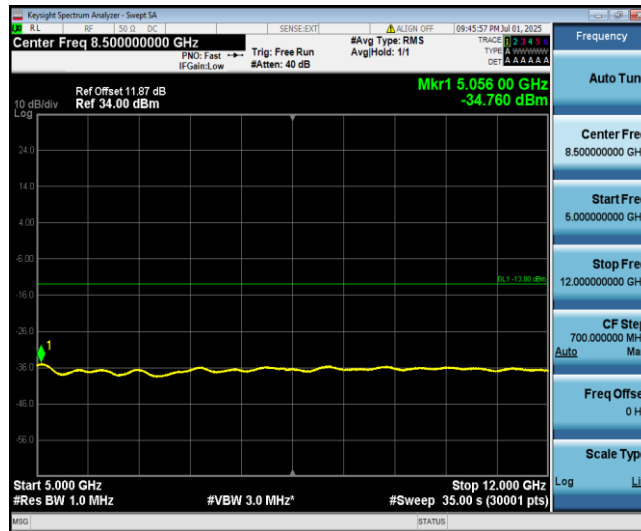
Band4-10MHz-16QAM-20000-1-0-Low-12000-26500--30.86-PASS



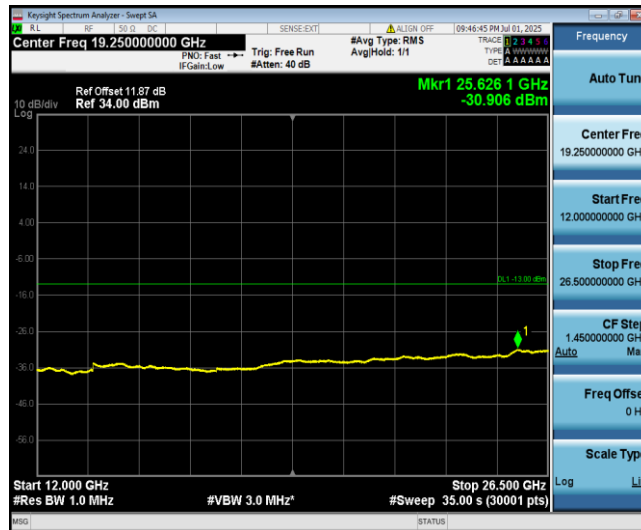
Band4-10MHz-16QAM-20175-1-0-Low-30-1000--39.82-PASS



Band4-10MHz-16QAM-20175-1-0-Low-1000-5000--32.04-PASS



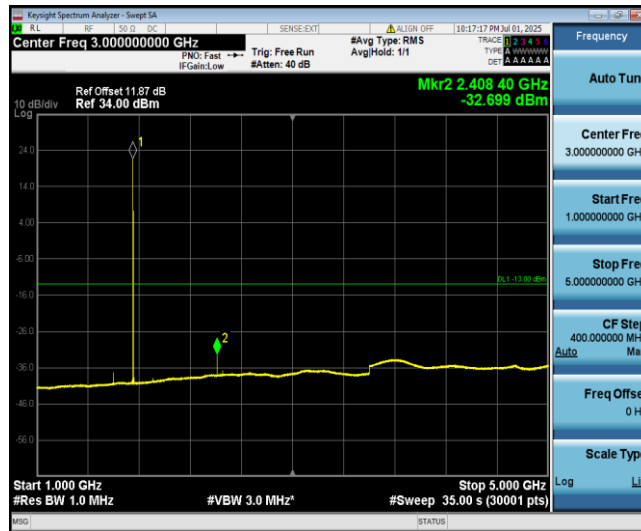
Band4-10MHz-16QAM-20175-1-0-Low-5000-12000--34.76-PASS



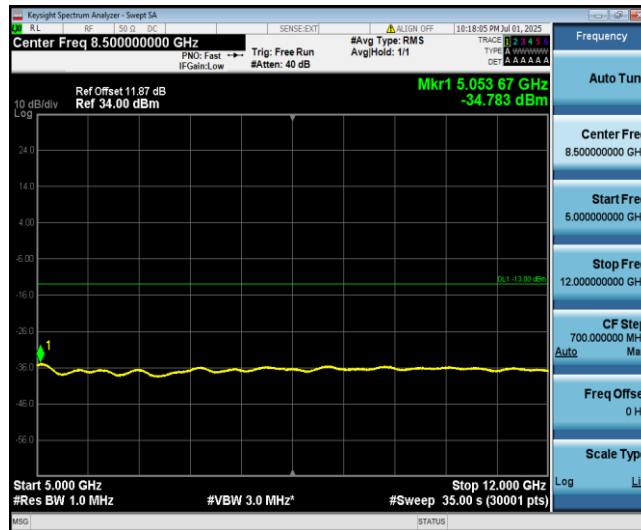
Band4-10MHz-16QAM-20175-1-0-Low-12000-26500--30.91-PASS



Band4-10MHz-16QAM-20350-1-0-High-30-1000--39.74-PASS



Band4-10MHz-16QAM-20350-1-0-High-1000-5000--32.7-PASS



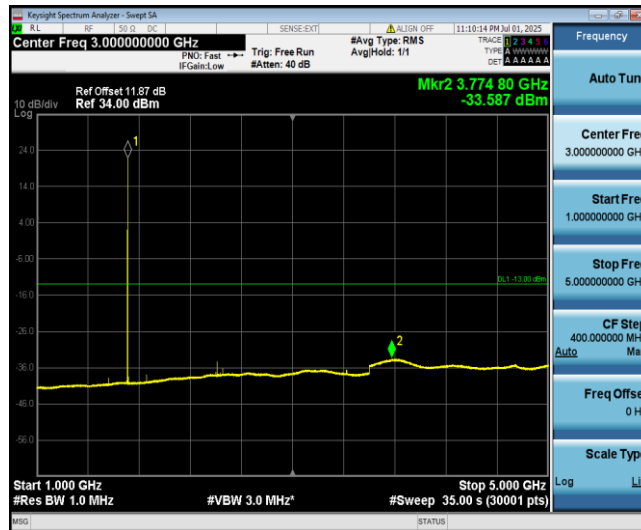
Band4-10MHz-16QAM-20350-1-0-High-5000-12000--34.78-PASS



Band4-10MHz-16QAM-20350-1-0-High-12000-26500--30.83-PASS



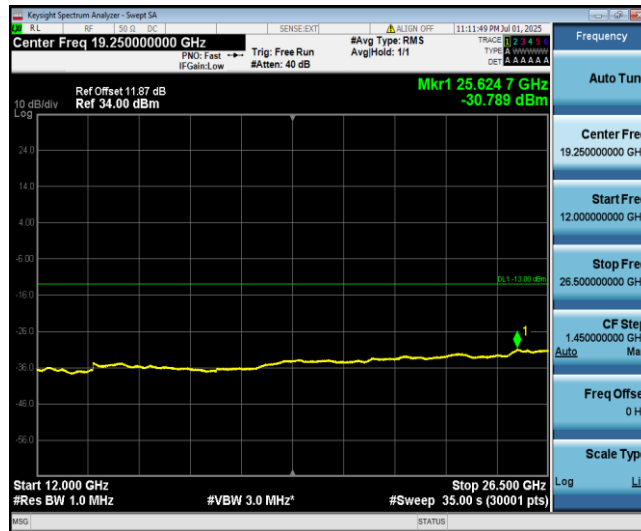
Band4-15MHz-QPSK-20025-1-0-Low-30-1000--39.78-PASS



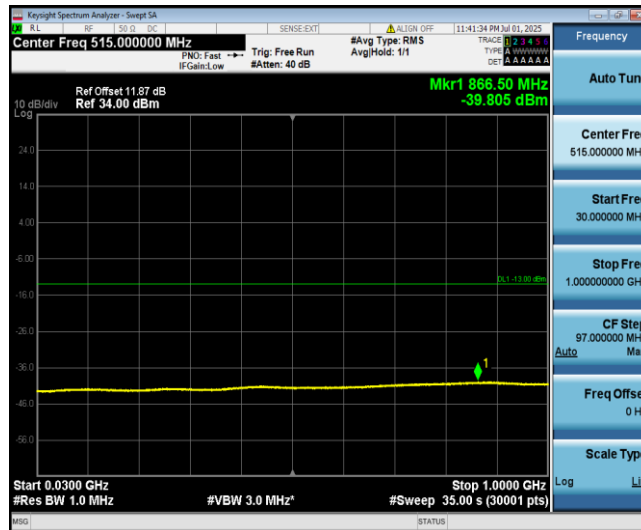
Band4-15MHz-QPSK-20025-1-0-Low-1000-5000--33.59-PASS



Band4-15MHz-QPSK-20025-1-0-Low-5000-12000--34.69-PASS



Band4-15MHz-QPSK-20025-1-0-Low-12000-26500--30.79-PASS



Band4-15MHz-QPSK-20175-1-0-Low-30-1000--39.81-PASS



Band4-15MHz-QPSK-20175-1-0-Low-1000-5000--30.09-PASS



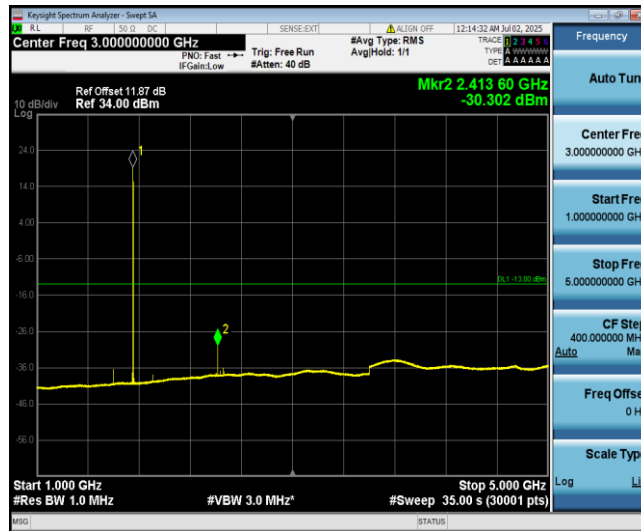
Band4-15MHz-QPSK-20175-1-0-Low-5000-12000--34.75-PASS



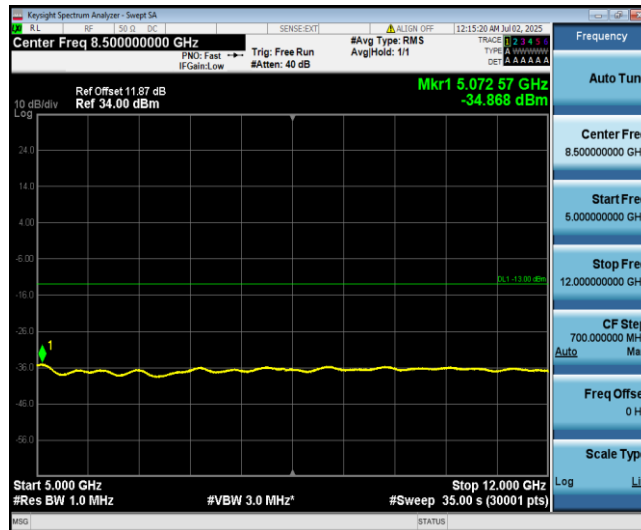
Band4-15MHz-QPSK-20175-1-0-Low-12000-26500--30.77-PASS



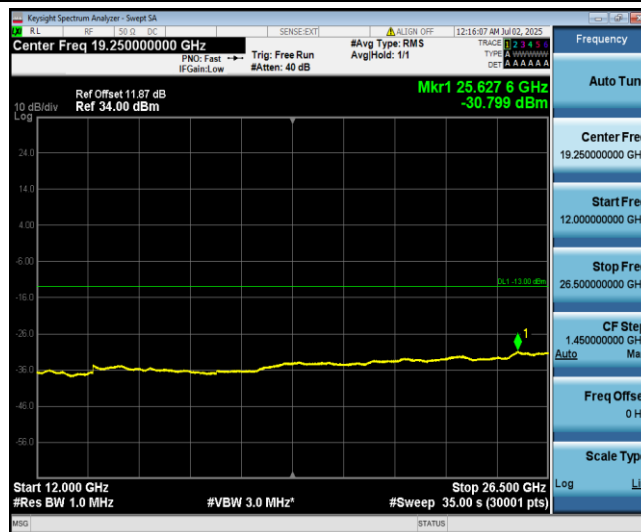
Band4-15MHz-QPSK-20325-1-0-High-30-1000--39.87-PASS



Band4-15MHz-QPSK-20325-1-0-High-1000-5000--30.3-PASS



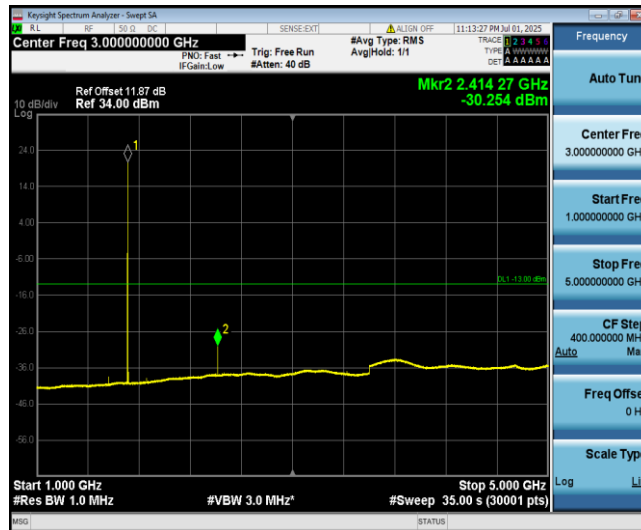
Band4-15MHz-QPSK-20325-1-0-High-5000-12000--34.87-PASS



Band4-15MHz-QPSK-20325-1-0-High-12000-26500--30.8-PASS



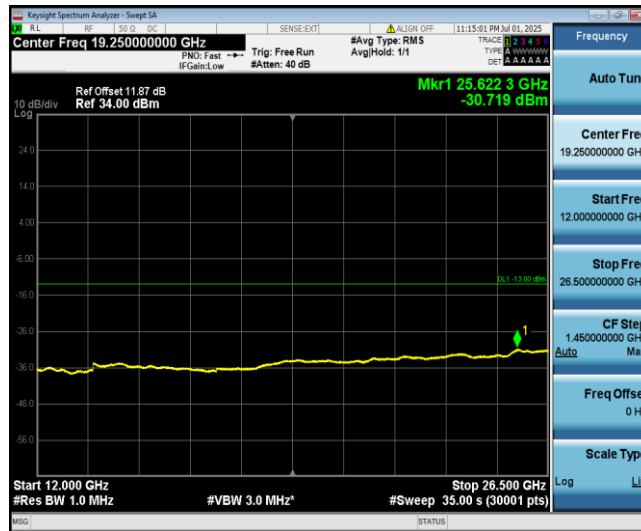
Band4-15MHz-16QAM-20025-1-0-Low-30-1000--39.79-PASS



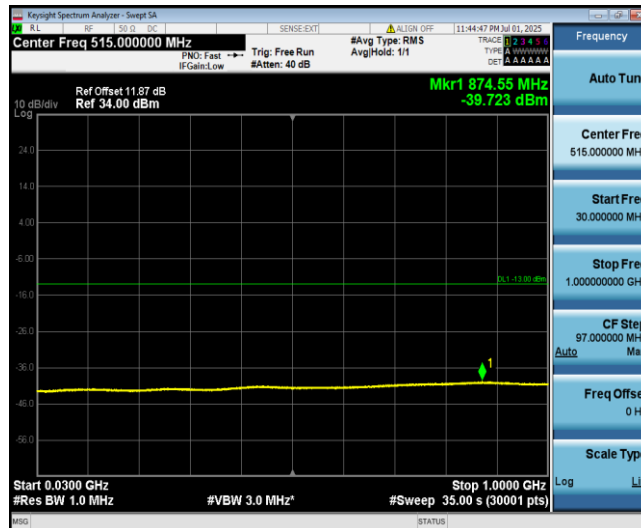
Band4-15MHz-16QAM-20025-1-0-Low-1000-5000--30.25-PASS



Band4-15MHz-16QAM-20025-1-0-Low-5000-12000--34.77-PASS



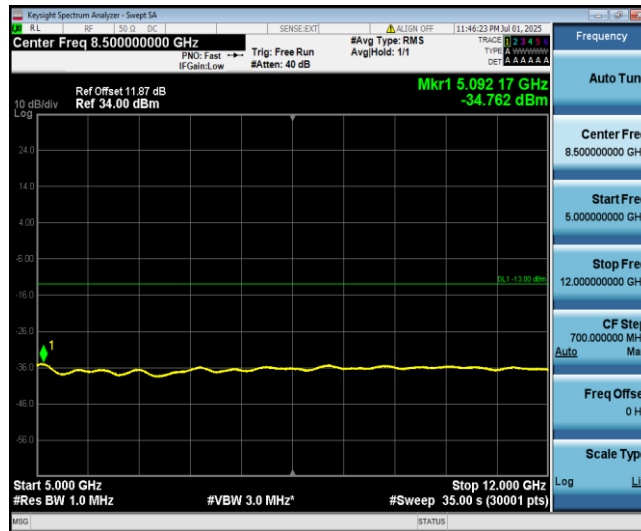
Band4-15MHz-16QAM-20025-1-0-Low-12000-26500--30.72-PASS



Band4-15MHz-16QAM-20175-1-0-Low-30-1000--39.72-PASS



Band4-15MHz-16QAM-20175-1-0-Low-1000-5000--33.58-PASS



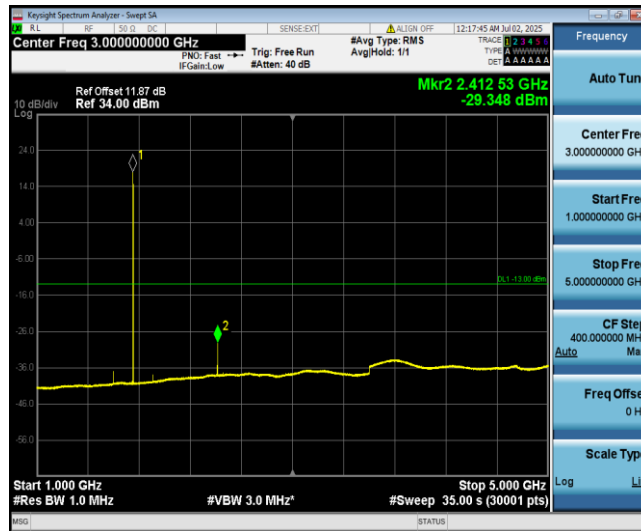
Band4-15MHz-16QAM-20175-1-0-Low-5000-12000--34.76-PASS



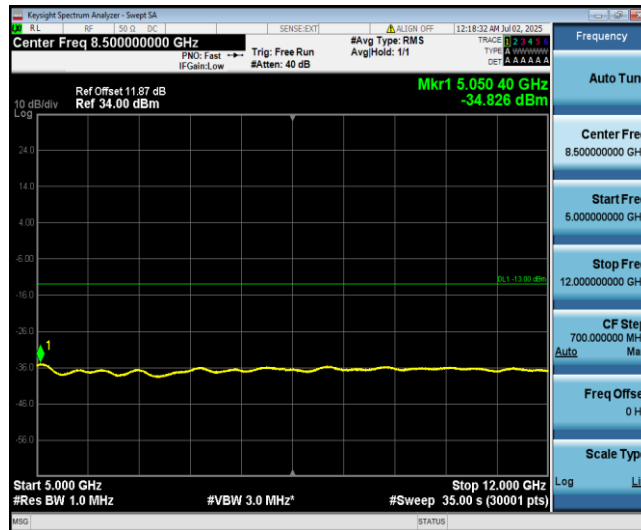
Band4-15MHz-16QAM-20175-1-0-Low-12000-26500--30.79-PASS



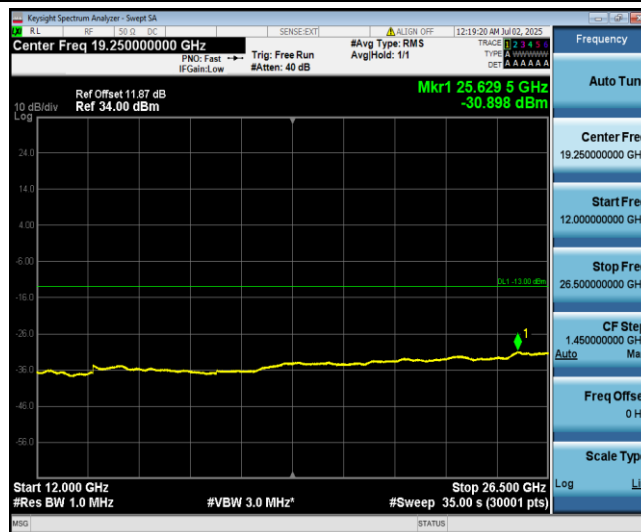
Band4-15MHz-16QAM-20325-1-0-High-30-1000--39.81-PASS



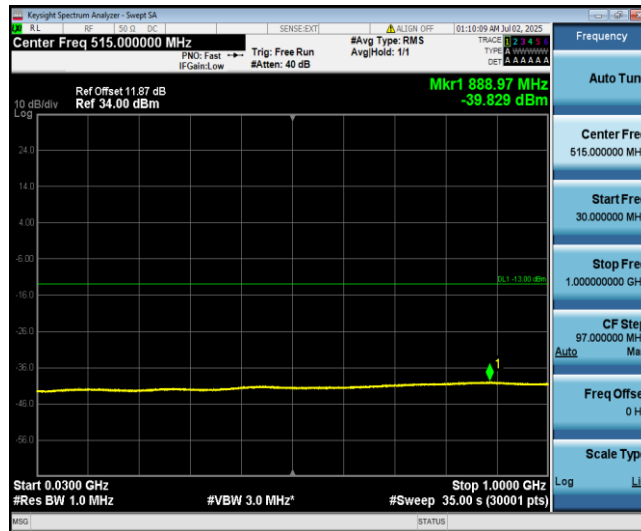
Band4-15MHz-16QAM-20325-1-0-High-1000-5000--29.35-PASS



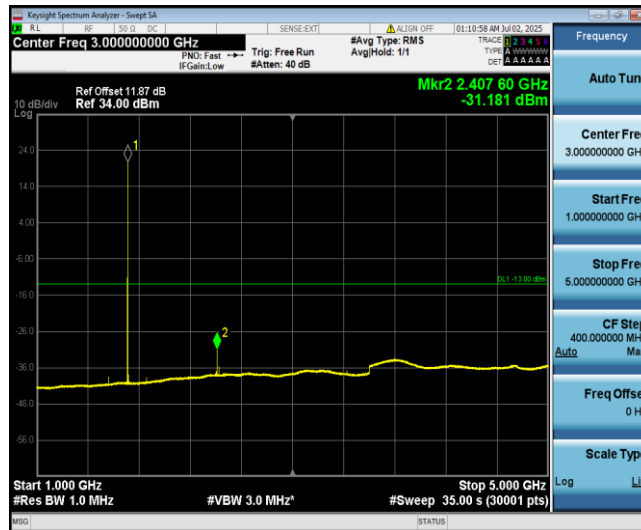
Band4-15MHz-16QAM-20325-1-0-High-5000-12000--34.83-PASS



Band4-15MHz-16QAM-20325-1-0-High-12000-26500--30.9-PASS



Band4-20MHz-QPSK-20050-1-0-Low-30-1000--39.83-PASS



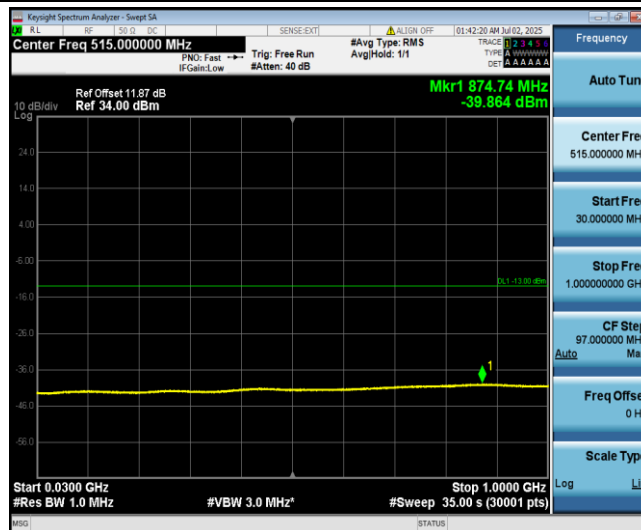
Band4-20MHz-QPSK-20050-1-0-Low-1000-5000--31.18-PASS



Band4-20MHz-QPSK-20050-1-0-Low-5000-12000--34.74-PASS



Band4-20MHz-QPSK-20050-1-0-Low-12000-26500--30.72-PASS



Band4-20MHz-QPSK-20175-1-0-Low-30-1000--39.86-PASS



Band4-20MHz-QPSK-20175-1-0-Low-1000-5000--30.72-PASS



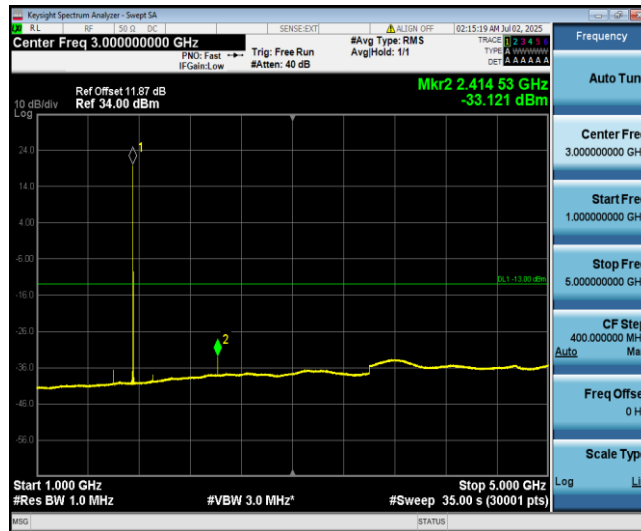
Band4-20MHz-QPSK-20175-1-0-Low-5000-12000--34.75-PASS



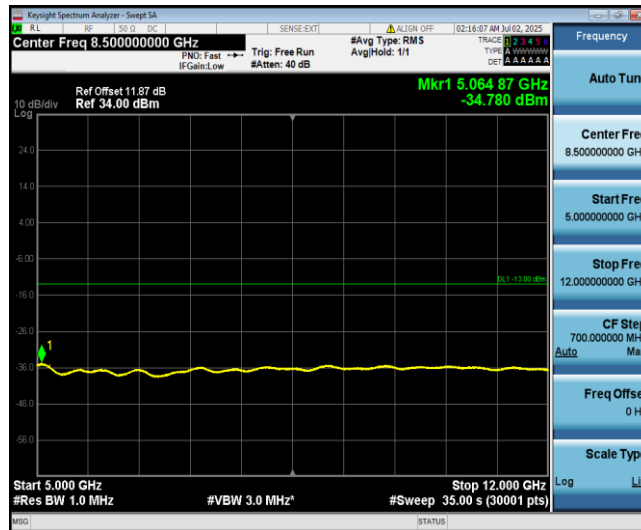
Band4-20MHz-QPSK-20175-1-0-Low-12000-26500--30.81-PASS



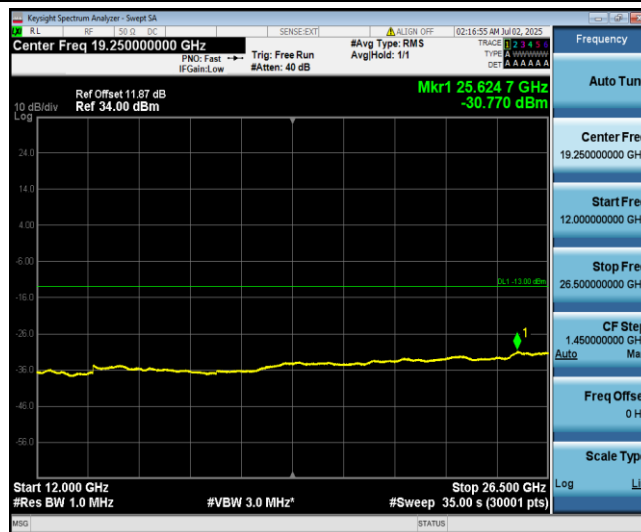
Band4-20MHz-QPSK-20300-1-0-High-30-1000--39.8-PASS



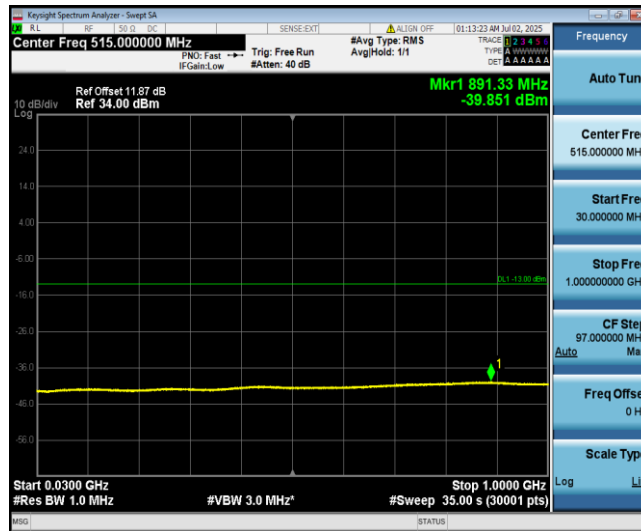
Band4-20MHz-QPSK-20300-1-0-High-1000-5000--33.12-PASS



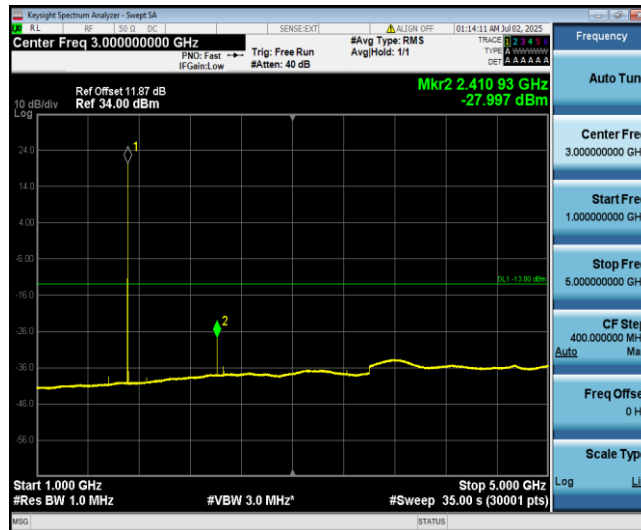
Band4-20MHz-QPSK-20300-1-0-High-5000-12000--34.78-PASS



Band4-20MHz-QPSK-20300-1-0-High-12000-26500--30.77-PASS



Band4-20MHz-16QAM-20050-1-0-Low-30-1000--39.85-PASS



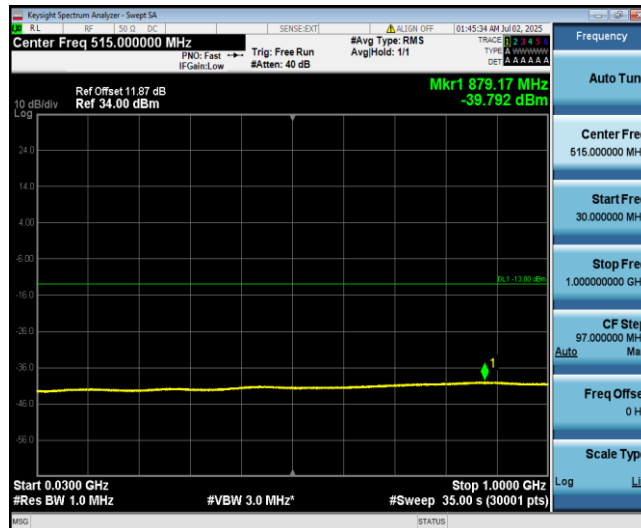
Band4-20MHz-16QAM-20050-1-0-Low-1000-5000--28-PASS



Band4-20MHz-16QAM-20050-1-0-Low-5000-12000--34.87-PASS



Band4-20MHz-16QAM-20050-1-0-Low-12000-26500--30.89-PASS



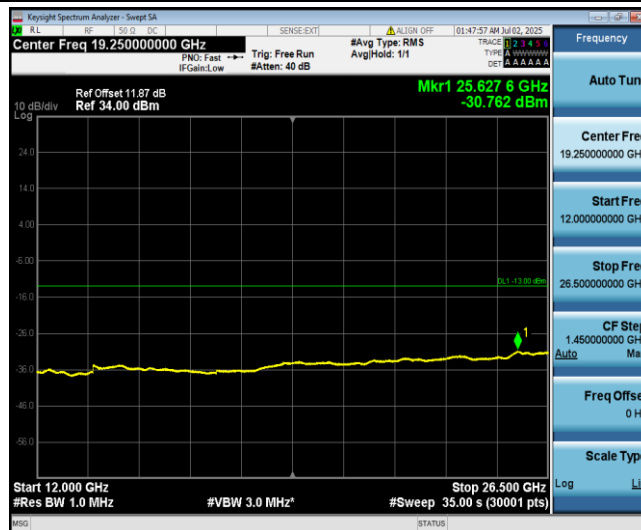
Band4-20MHz-16QAM-20175-1-0-Low-30-1000--39.79-PASS



Band4-20MHz-16QAM-20175-1-0-Low-1000-5000--33.6-PASS



Band4-20MHz-16QAM-20175-1-0-Low-5000-12000--34.78-PASS



Band4-20MHz-16QAM-20175-1-0-Low-12000-26500--30.76-PASS



Band4-20MHz-16QAM-20300-1-0-High-30-1000--39.79-PASS



Band4-20MHz-16QAM-20300-1-0-High-1000-5000--33.58-PASS



Band4-20MHz-16QAM-20300-1-0-High-5000-12000--34.84-PASS



Band4-20MHz-16QAM-20300-1-0-High-12000-26500--30.86-PASS

Appendix F: Frequency Stability

Test Result

Frequency Error VS. Voltage

Test Band	Test mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CatM1 band4	QPSK/ 20MHz	LCH	TN	VL	0.51	0.00030	PASS
				VN	1.39	0.00081	PASS
				VH	0.56	0.00033	PASS
		MCH	TN	VL	0.27	0.00016	PASS
				VN	0.22	0.00013	PASS
				VH	0.6	0.00035	PASS
		HCH	TN	VL	0.56	0.00032	PASS
				VN	0.5	0.00029	PASS
				VH	0.16	0.00009	PASS
	16QAM/ 20MHz	LCH	TN	VL	0.32	0.00019	PASS
				VN	0.83	0.00048	PASS
				VH	1.35	0.00079	PASS
		MCH	TN	VL	-1.18	-0.00068	PASS
				VN	-0.22	-0.00013	PASS
				VH	-1.25	-0.00072	PASS
		HCH	TN	VL	0.52	0.00030	PASS
				VN	-0.04	-0.00002	PASS
				VH	1.25	0.00071	PASS

Frequency Error VS. Temperature

Test Band	Test mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CatM1 band4	QPSK/ 20MHz	LCH	VN	-30	0.09	0.00005	PASS
				-20	0.58	0.00034	PASS
				-10	-0.24	-0.00014	PASS
				0	-0.61	-0.00036	PASS
				10	0.84	0.00049	PASS
				20	0.71	0.00041	PASS
				30	1.25	0.00073	PASS
				40	0.76	0.00044	PASS
				50	0.91	0.00053	PASS
		MCH	VN	-30	-0.61	-0.00035	PASS
				-20	-1.15	-0.00067	PASS
				-10	-0.29	-0.00017	PASS
				0	-0.75	-0.00043	PASS
				10	0.01	0.00001	PASS
				20	-1.41	-0.00082	PASS
				30	-0.29	-0.00017	PASS
				40	0.06	0.00003	PASS
				50	0.01	0.00001	PASS
		HCH	VN	-30	-1.04	-0.00059	PASS
				-20	-1.05	-0.00060	PASS
				-10	1.6	0.00091	PASS
				0	0.44	0.00025	PASS
				10	0.2	0.00011	PASS
				20	1.72	0.00098	PASS
				30	1.06	0.00060	PASS
				40	0.41	0.00023	PASS
				50	-1.5	-0.00086	PASS

Test Band	Test mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CatM1 band4	16QAM/ 20MHz	LCH	VN	-30	-0.14	-0.00008	PASS
				-20	-0.15	-0.00009	PASS
				-10	1.06	0.00062	PASS
				0	-0.37	-0.00022	PASS
				10	1.05	0.00061	PASS
				20	0.88	0.00051	PASS
				30	1.48	0.00086	PASS
				40	0.74	0.00043	PASS
				50	0.9	0.00053	PASS
		MCH	VN	-30	1.72	0.00100	PASS
				-20	1.74	0.00101	PASS
				-10	-0.07	-0.00004	PASS
				0	-0.54	-0.00031	PASS
				10	0.39	0.00023	PASS
				20	1.97	0.00114	PASS
				30	2.05	0.00119	PASS
				40	1.77	0.00103	PASS
				50	2.49	0.00144	PASS
		HCH	VN	-30	-0.47	-0.00027	PASS
				-20	-0.46	-0.00026	PASS
				-10	-0.36	-0.00021	PASS
				0	2.14	0.00122	PASS
				10	2.29	0.00131	PASS
				20	-0.32	-0.00018	PASS
				30	-0.47	-0.00027	PASS
				40	2.53	0.00144	PASS
				50	-0.88	-0.00050	PASS

Note: Only record the worst test result.

- End of the Appendix -