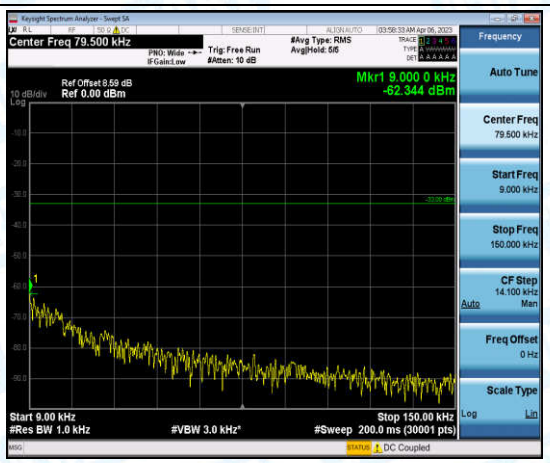
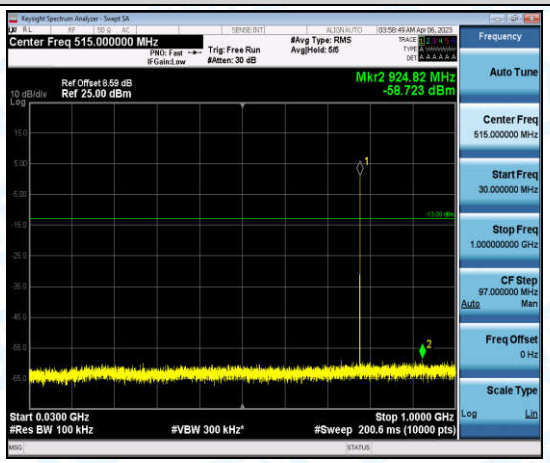
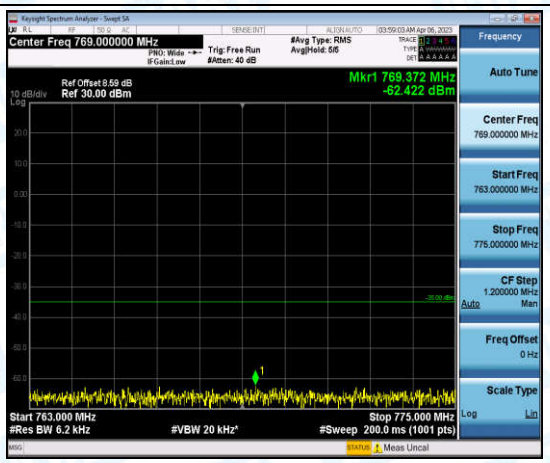


Band13-Stand-Alone-NaN-QPSK-23230-1@47-3.75kHz-0.009-0.15-0.009~0.15MHz@-62.34dBm--33-PASS

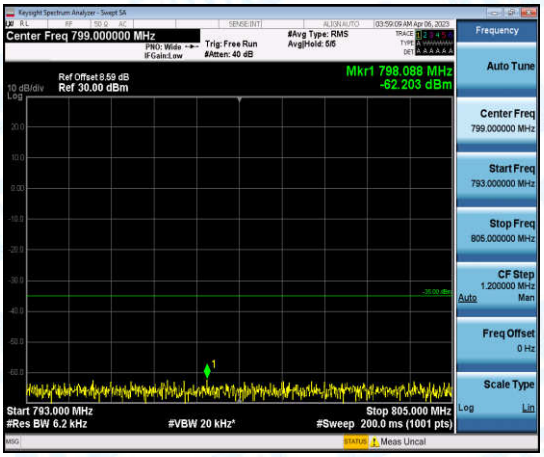
Band13-Stand-Alone-NaN-QPSK-23230-1@47-3.75kHz-0.15-30-0.15~30MHz@-67.79dBm--23-PASS



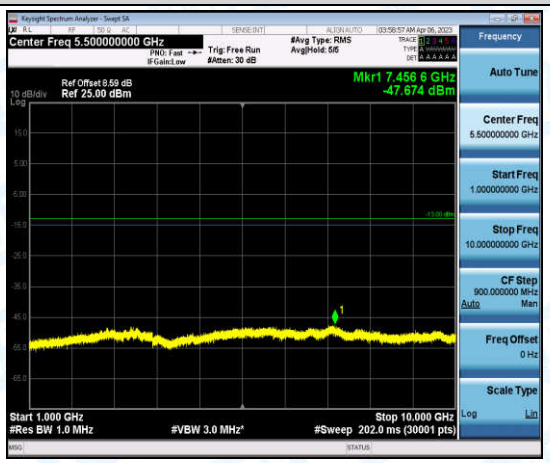
Band13-Stand-Alone-NaN-QPSK-23230-1@47-3.75kHz-30-1000-30~1000MHz@-58.72dBm--13-PASS



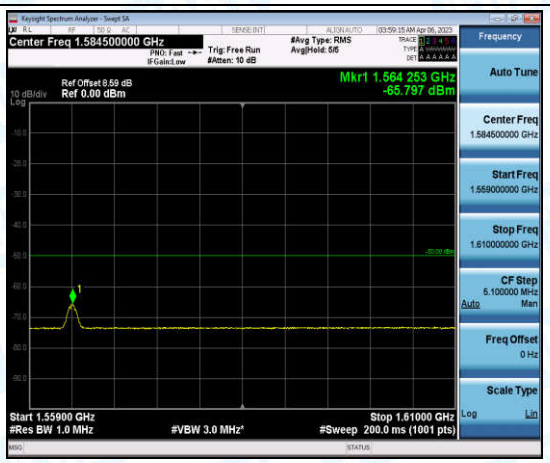
Band13-Stand-Alone-NaN-QPSK-23230-1@47-3.75kHz-763-775-763~775MHz@-62.42dBm--35-PASS



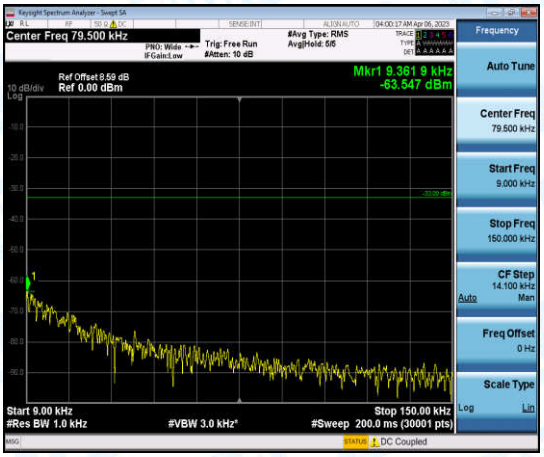
Band13-Stand-Alone-NaN-QPSK-23230-1@47-3.75kHz-793-805-793~805MHz@-62.2dBm--35-PASS



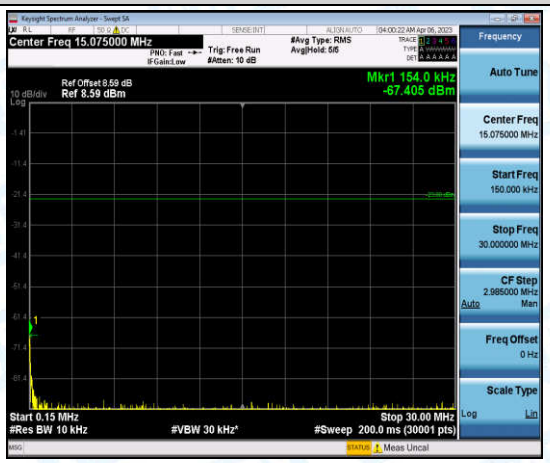
Band13-Stand-Alone-NaN-QPSK-23230-1@47-3.75kHz-1000-10000-1000~10000MHz@-47.67dBm--13-PASS



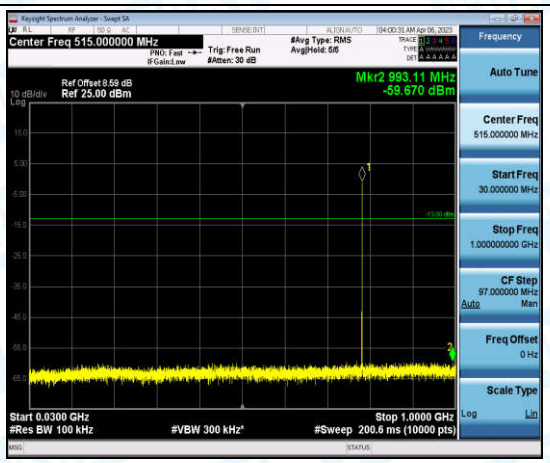
Band13-Stand-Alone-NaN-QPSK-23230-1@47-3.75kHz-1559-1610-1559~1610MHz@-65.8dBm--50-PASS



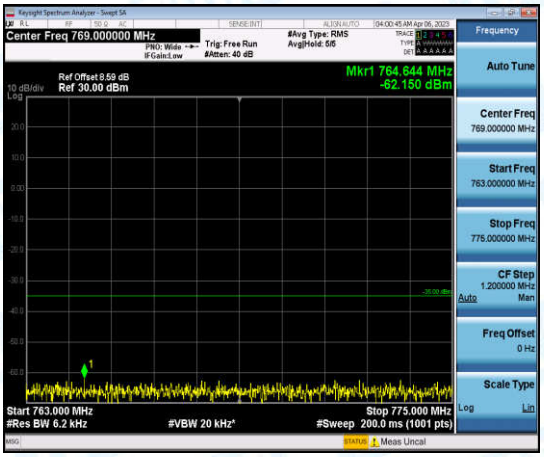
Band13-Stand-Alone-NaN-QPSK-23279-1@0-3.75kHz-0.009-0.15-0.009~0.15MHz@-63.55dBm--33-PASS



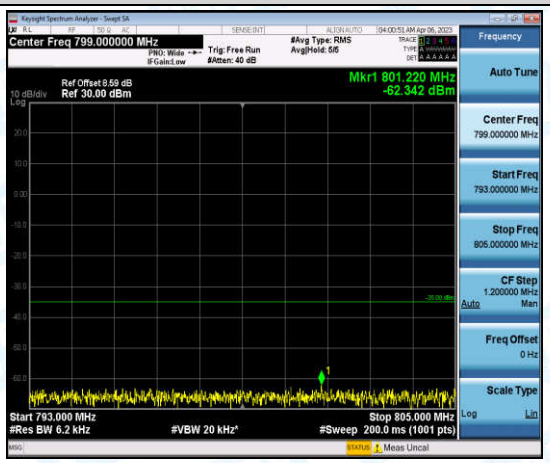
Band13-Stand-Alone-NaN-QPSK-23279-1@0-3.75kHz-0.15-30-0.15~30MHz@-67.41dBm--23-PASS



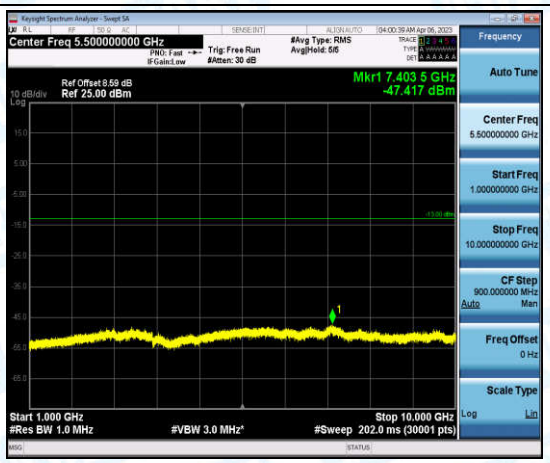
Band13-Stand-Alone-NaN-QPSK-23279-1@0-3.75kHz-30-1000-30~1000MHz@-59.67dBm--13-PASS



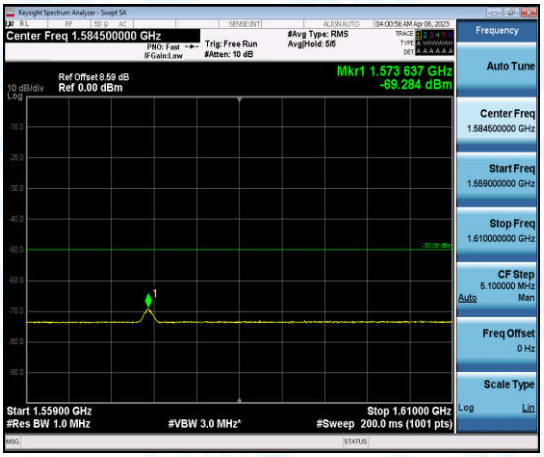
Band13-Stand-Alone-NaN-QPSK-23279-1@0-3.75kHz-763-775-763~775MHz@-62.15dBm--35-PASS



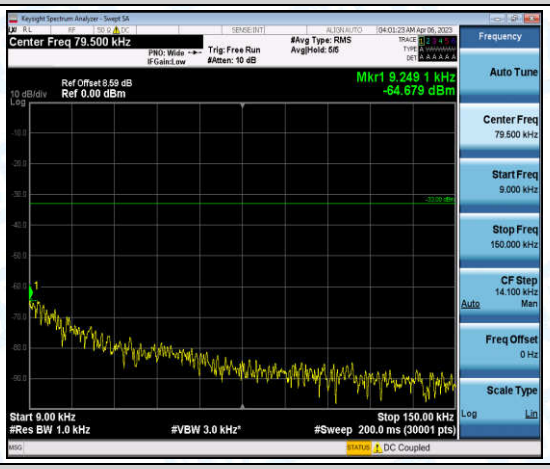
Band13-Stand-Alone-NaN-QPSK-23279-1@0-3.75kHz-793-805-793~805MHz@-62.34dBm--35-PASS



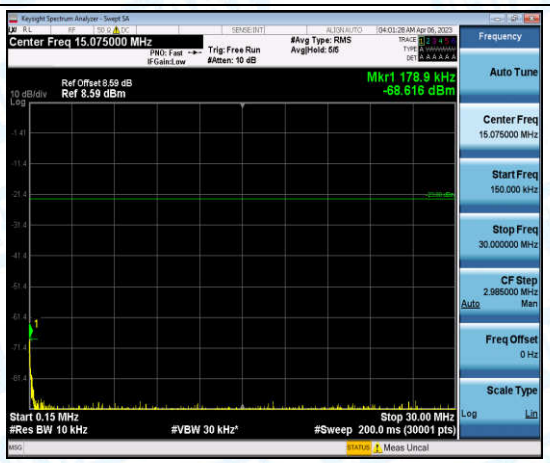
Band13-Stand-Alone-NaN-QPSK-23279-1@0-3.75kHz-1000-10000-1000~10000MHz@-47.42dBm--13-PASS



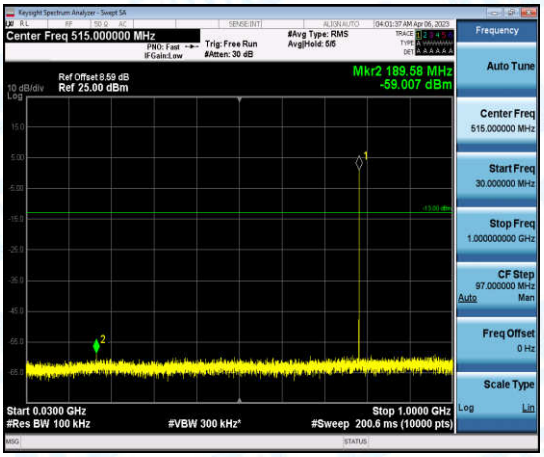
Band13-Stand-Alone-NaN-QPSK-23279-1@0-3.75kHz-1559-1610-1559~1610MHz@-69.28dBm--50-PASS



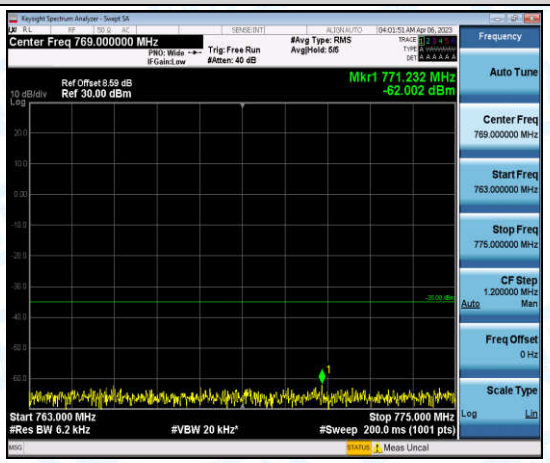
Band13-Stand-Alone-NaN-QPSK-23279-1@47-3.75kHz-0.009-0.15-0.009~0.15MHz@-64.68dBm--33-PASS



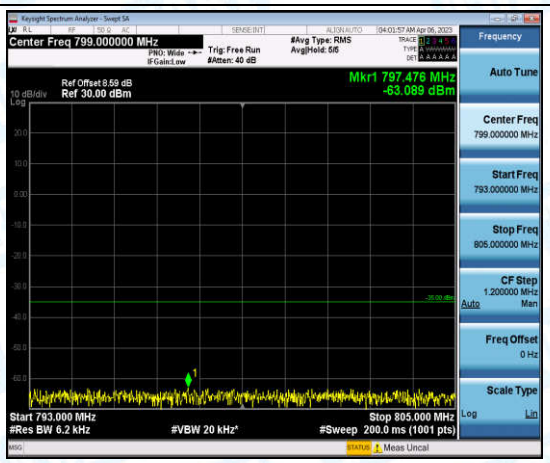
Band13-Stand-Alone-NaN-QPSK-23279-1@47-3.75kHz-0.15-30-0.15~30MHz@-68.62dBm--23-PASS



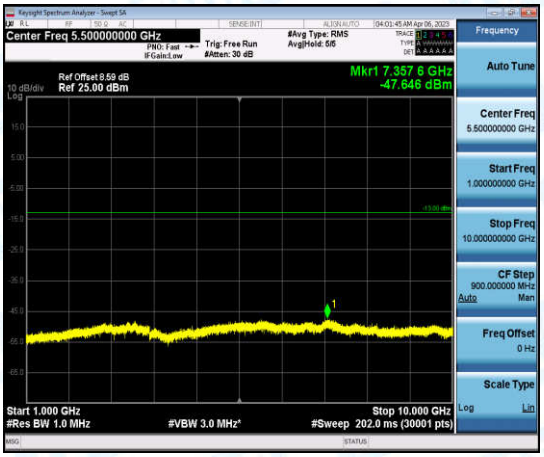
Band13-Stand-Alone-NaN-QPSK-23279-1@47-3.75kHz-30-1000-30~1000MHz@-59.01dBm--13-PASS



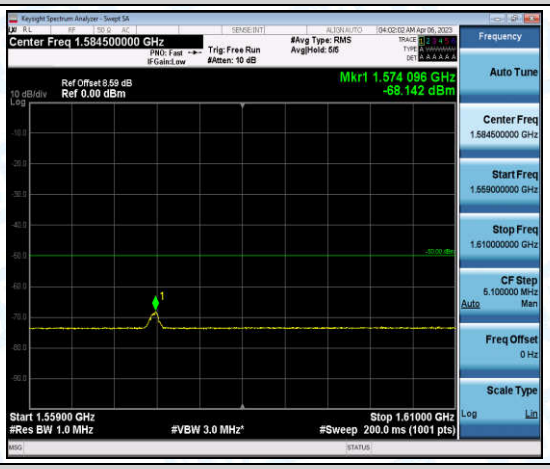
Band13-Stand-Alone-NaN-QPSK-23279-1@47-3.75kHz-763-775-763~775MHz@-62dBm--35-PASS



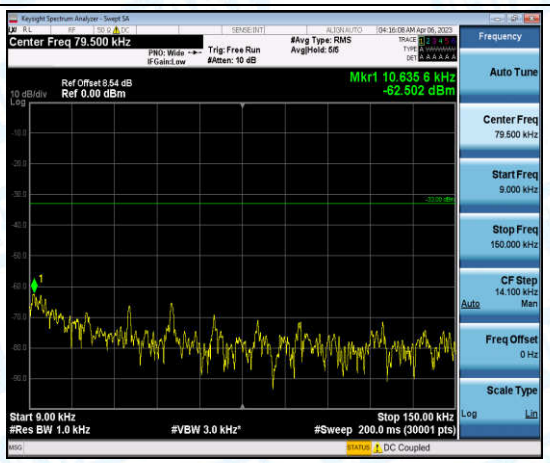
Band13-Stand-Alone-NaN-QPSK-23279-1@47-3.75kHz-793-805-793~805MHz@-63.09dBm--35-PASS



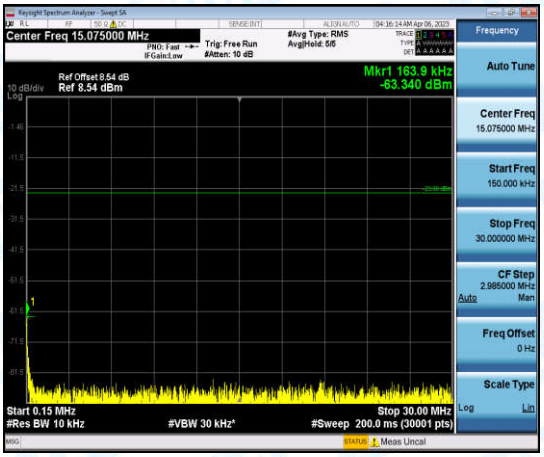
Band13-Stand-Alone-NaN-QPSK-23279-1@47-3.75kHz-1000-10000-1000~10000MHz@-47.65dBm--13-PASS



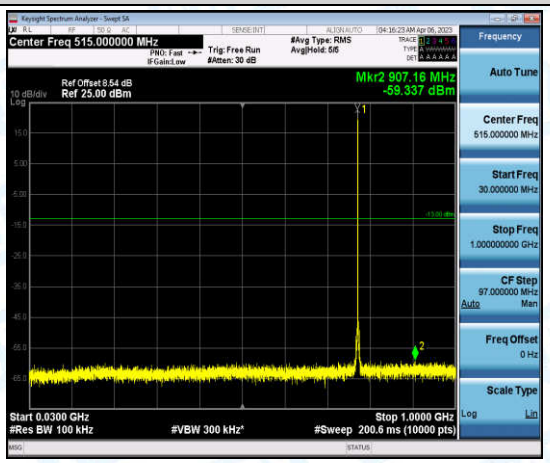
Band13-Stand-Alone-NaN-QPSK-23279-1@47-3.75kHz-1559-1610-1559~1610MHz@-68.14dBm--50-PASS



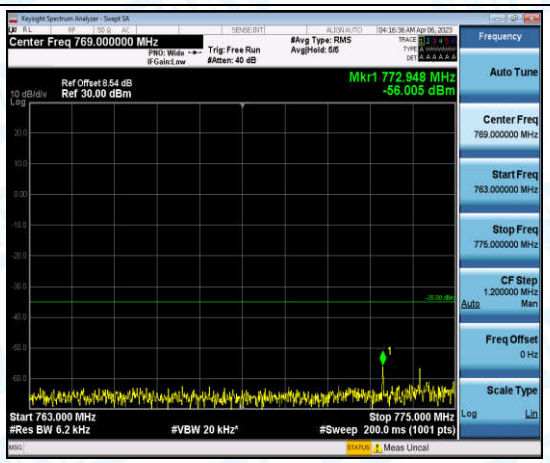
Band13-Stand-Alone-NaN-BPSK-23181-1@0-15kHz-0.009-0.15-0.009~0.15MHz@-62.5dBm--33-PASS



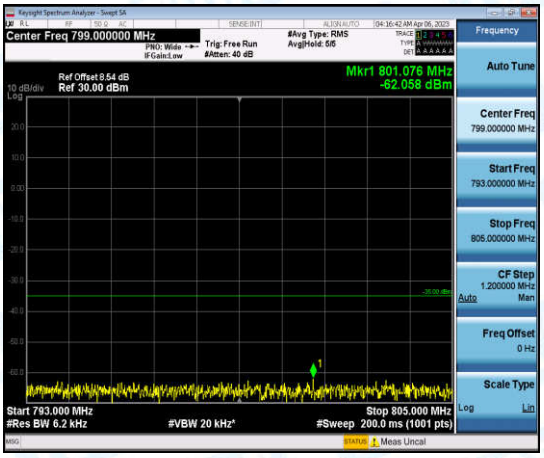
Band13-Stand-Alone-NaN-BPSK-23181-1@0-15kHz-0.15-30-0.15~30MHz@-63.34dBm--23-PASS



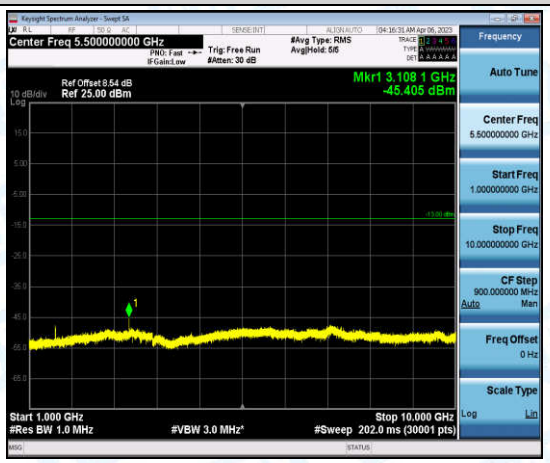
Band13-Stand-Alone-NaN-BPSK-23181-1@0-15kHz-30-1000-30~1000MHz@-59.34dBm--13-PASS



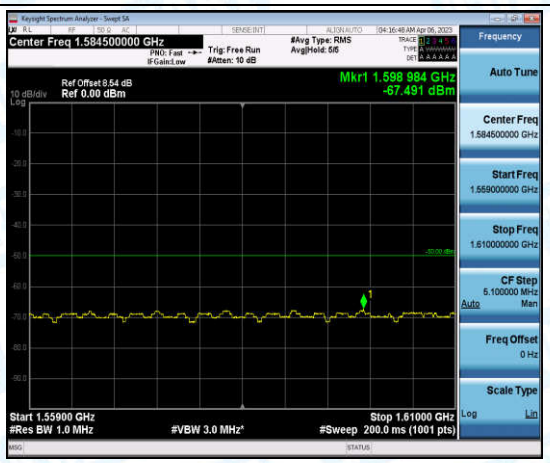
Band13-Stand-Alone-NaN-BPSK-23181-1@0-15kHz-763-775-763~775MHz@-56.01dBm--35-PASS



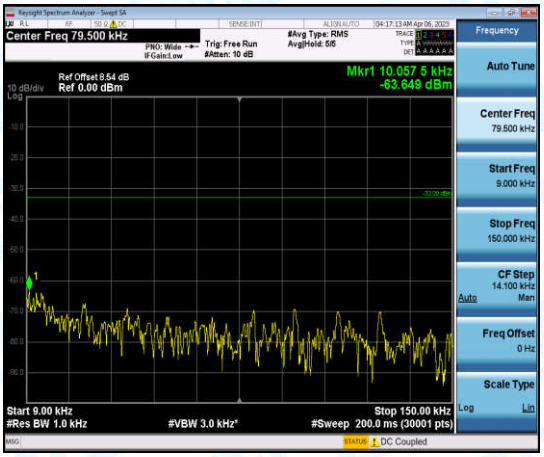
Band13-Stand-Alone-NaN-BPSK-23181-1@0-15kHz-793-805-793~805MHz@-62.06dBm--35-PASS



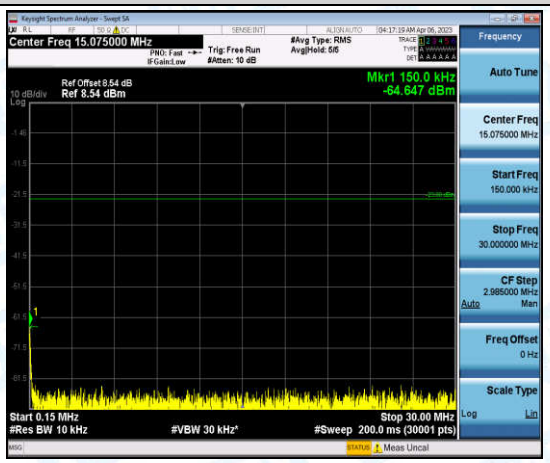
Band13-Stand-Alone-NaN-BPSK-23181-1@0-15kHz-1000-10000-1000~10000MHz@-45.41dBm--13-PASS



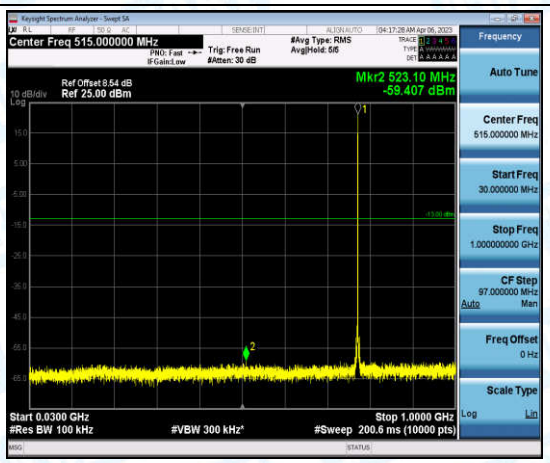
Band13-Stand-Alone-NaN-BPSK-23181-1@0-15kHz-1559-1610-1559~1610MHz@-67.49dBm--50-PASS



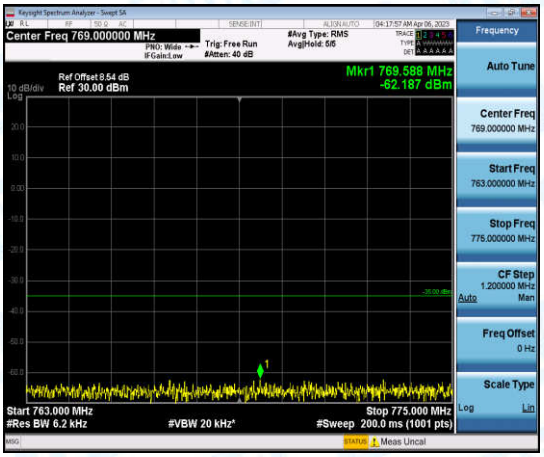
Band13-Stand-Alone-NaN-BPSK-23181-1@11-15kHz-0.009-0.15-0.009~0.15MHz@-63.65dBm--33-PASS



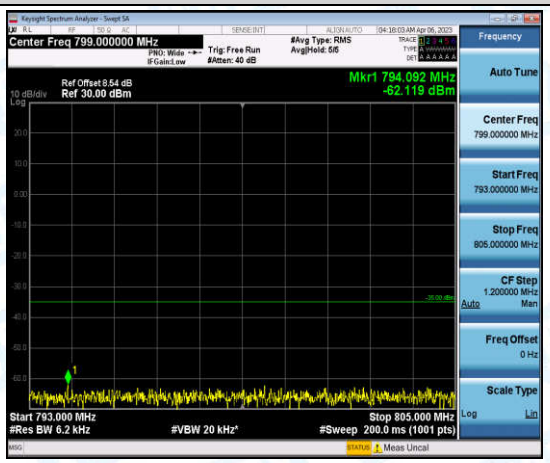
Band13-Stand-Alone-NaN-BPSK-23181-1@11-15kHz-0.15-30-0.15~30MHz@-64.65dBm--23-PASS



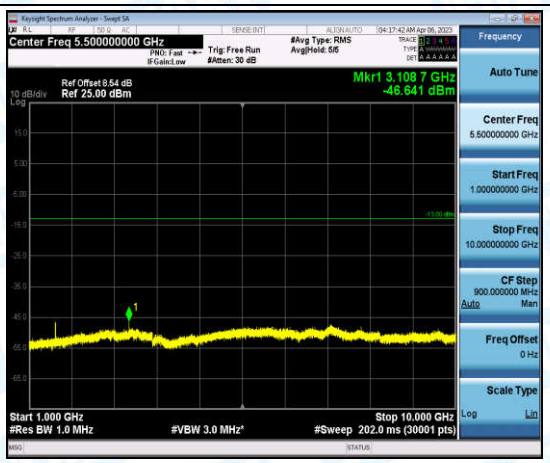
Band13-Stand-Alone-NaN-BPSK-23181-1@11-15kHz-30-1000-30~1000MHz@-59.41dBm--13-PASS



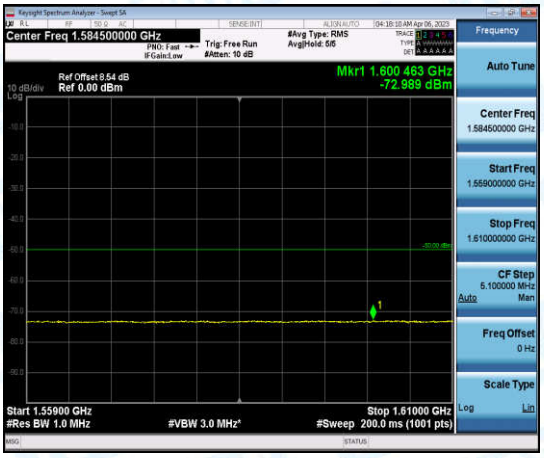
Band13-Stand-Alone-NaN-BPSK-23181-1@11-15kHz-763-775-763~775MHz@-62.19dBm--35-PASS



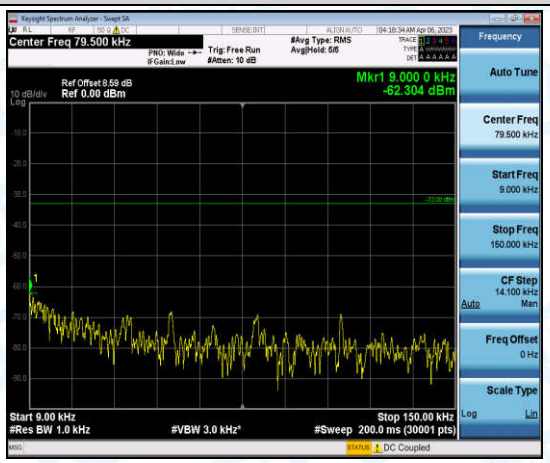
Band13-Stand-Alone-NaN-BPSK-23181-1@11-15kHz-793-805-793~805MHz@-62.12dBm--35-PASS



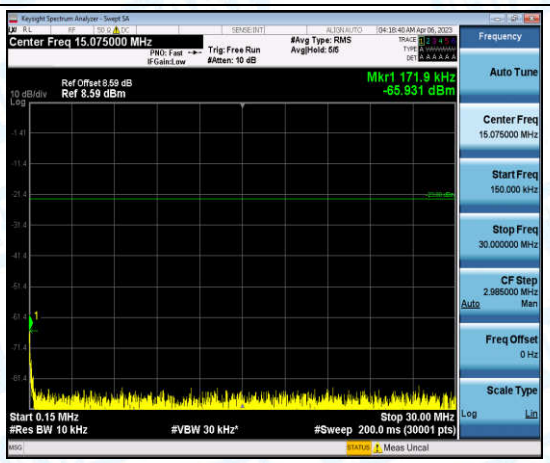
Band13-Stand-Alone-NaN-BPSK-23181-1@11-15kHz-1000-10000-1000~10000MHz@-46.64dBm--13-PASS



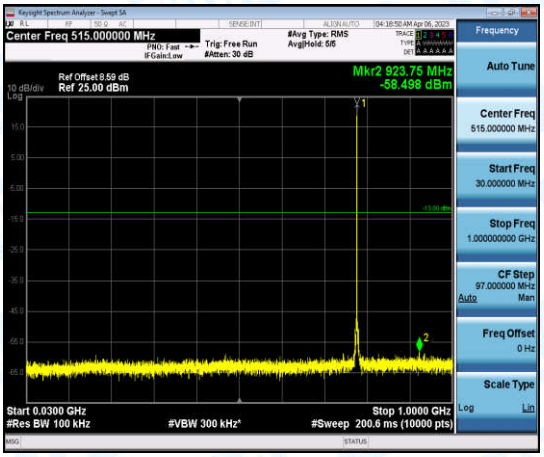
Band13-Stand-Alone-NaN-BPSK-23181-1@11-15kHz-1559-1610-1559~1610MHz@-72.99dBm--50-PASS



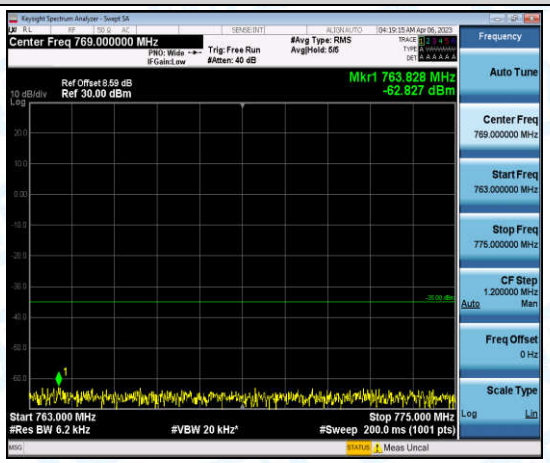
Band13-Stand-Alone-NaN-BPSK-23230-1@0-15kHz-0.009-0.15-0.009~0.15MHz@-62.3dBm--33-PASS



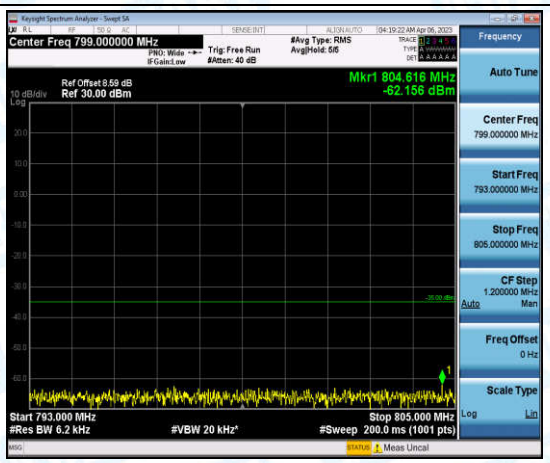
Band13-Stand-Alone-NaN-BPSK-23230-1@0-15kHz-0.15-30-0.15~30MHz@-65.93dBm--23-PASS



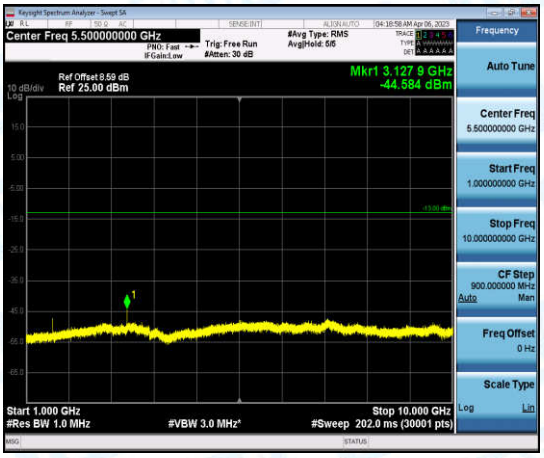
Band13-Stand-Alone-NaN-BPSK-23230-1@0-15kHz-30-1000-30~1000MHz@-58.5dBm--13-PASS



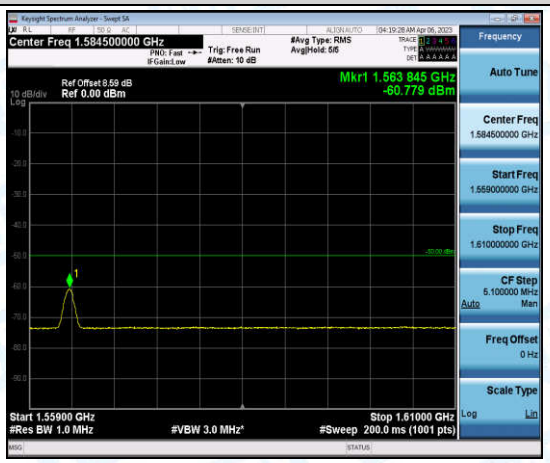
Band13-Stand-Alone-NaN-BPSK-23230-1@0-15kHz-763-775-763~775MHz@-62.83dBm--35-PASS



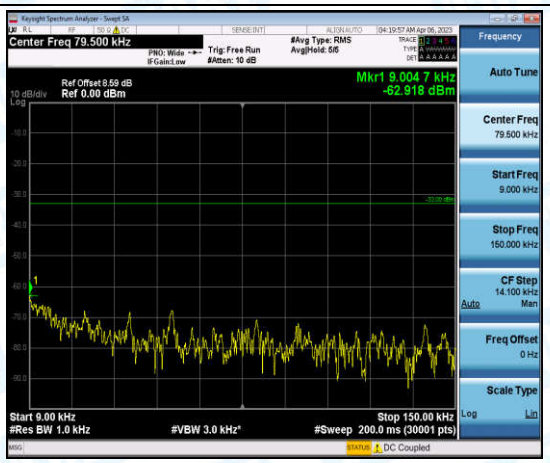
Band13-Stand-Alone-NaN-BPSK-23230-1@0-15kHz-793-805-793~805MHz@-62.16dBm--35-PASS



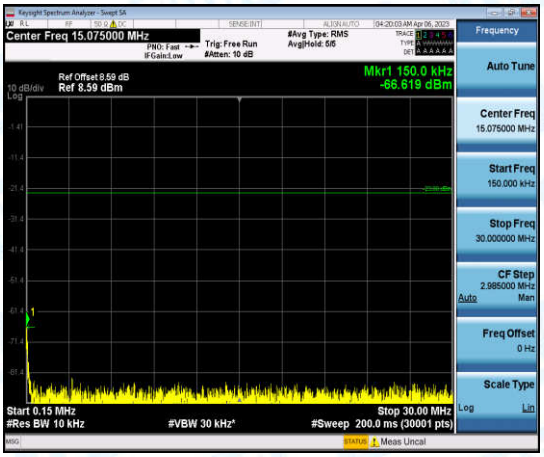
Band13-Stand-Alone-NaN-BPSK-23230-1@0-15kHz-1000-10000-1000~10000MHz@-44.58dBm--13-PASS



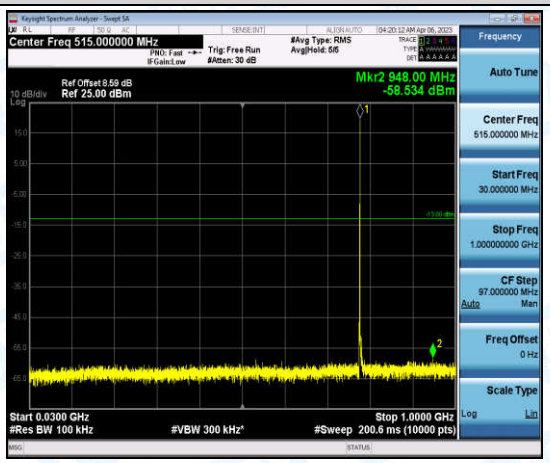
Band13-Stand-Alone-NaN-BPSK-23230-1@0-15kHz-1559-1610-1559~1610MHz@-60.78dBm--50-PASS



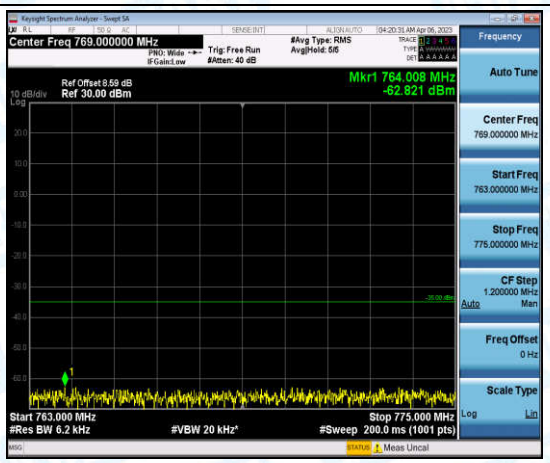
Band13-Stand-Alone-NaN-BPSK-23230-1@11-15kHz-0.009-0.15-0.009~0.15MHz@-62.92dBm--33-PASS



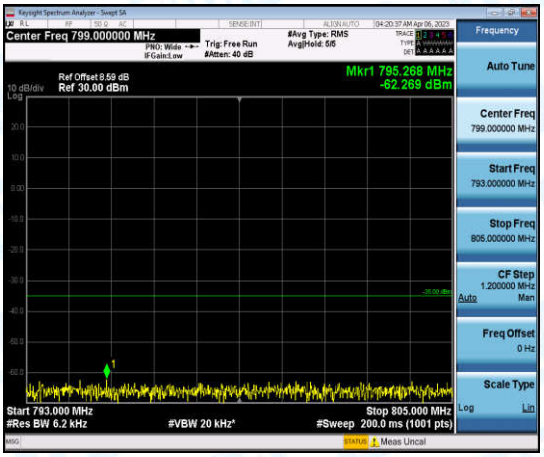
Band13-Stand-Alone-NaN-BPSK-23230-1@11-15kHz-0.15-30-0.15~30MHz@-66.62dBm--23-PASS



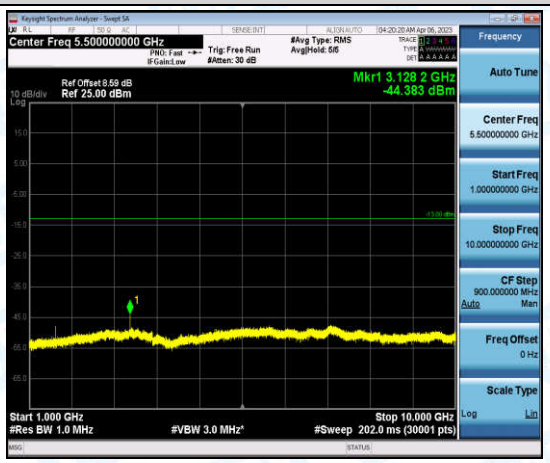
Band13-Stand-Alone-NaN-BPSK-23230-1@11-15kHz-30-1000-30~1000MHz@-58.53dBm--13-PASS



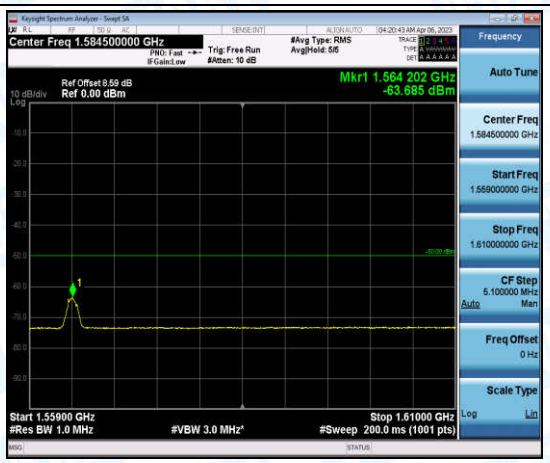
Band13-Stand-Alone-NaN-BPSK-23230-1@11-15kHz-763-775-763~775MHz@-62.82dBm--35-PASS



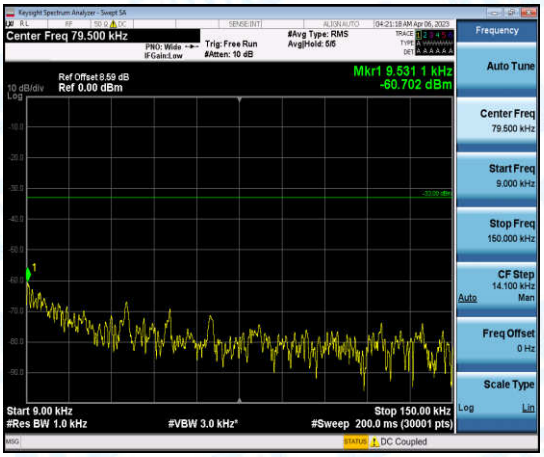
Band13-Stand-Alone-NaN-BPSK-23230-1@11-15kHz-793-805-793~805MHz@-62.27dBm--35-PASS



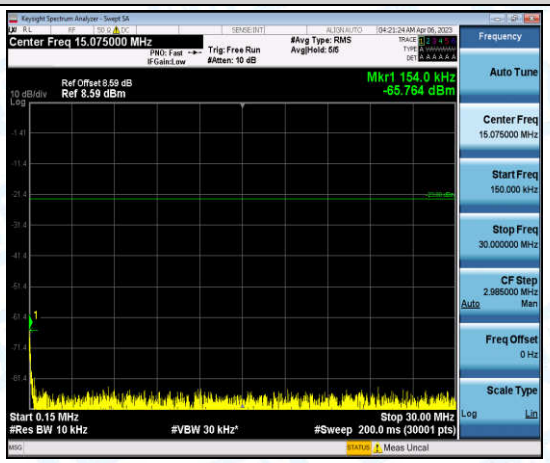
Band13-Stand-Alone-NaN-BPSK-23230-1@11-15kHz-1000-10000-1000~10000MHz@-44.38dBm--13-PASS



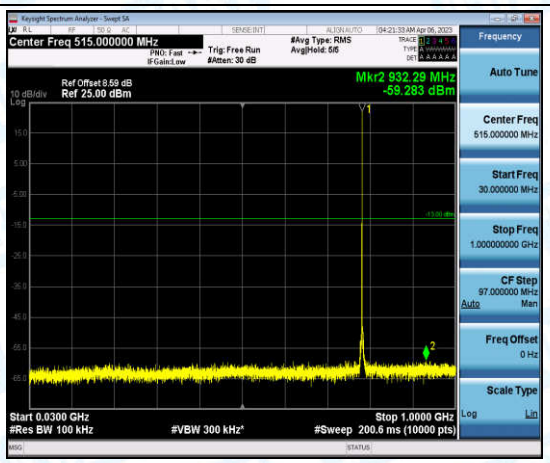
Band13-Stand-Alone-NaN-BPSK-23230-1@11-15kHz-1559-1610-1559~1610MHz@-63.69dBm--50-PASS



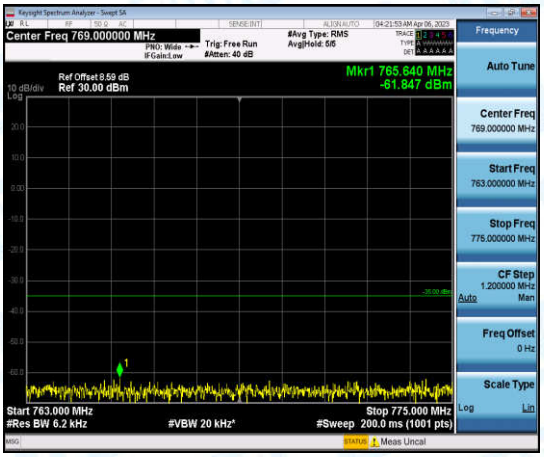
Band13-Stand-Alone-NaN-BPSK-23279-1@0-15kHz-0.009-0.15-0.009~0.15MHz@-60.7dBm--33-PASS



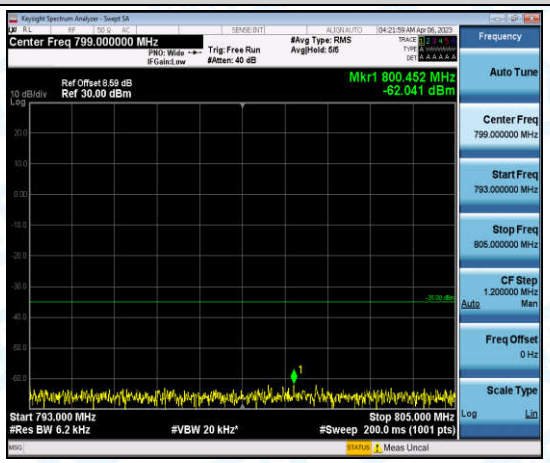
Band13-Stand-Alone-NaN-BPSK-23279-1@0-15kHz-0.15-30-0.15~30MHz@-65.76dBm--23-PASS



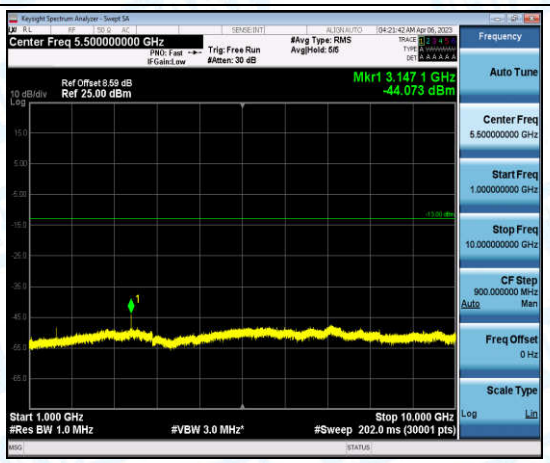
Band13-Stand-Alone-NaN-BPSK-23279-1@0-15kHz-30-1000-30~1000MHz@-59.28dBm--13-PASS



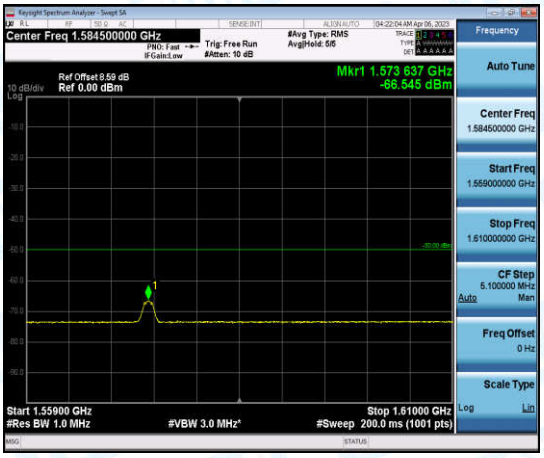
Band13-Stand-Alone-NaN-BPSK-23279-1@0-15kHz-763-775-763~775MHz@-61.85dBm--35-PASS



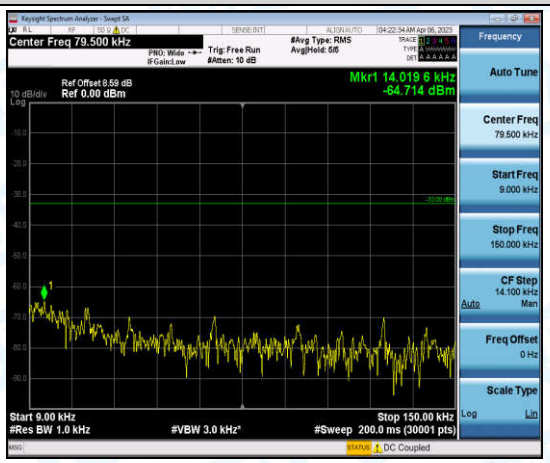
Band13-Stand-Alone-NaN-BPSK-23279-1@0-15kHz-793-805-793~805MHz@-62.04dBm--35-PASS



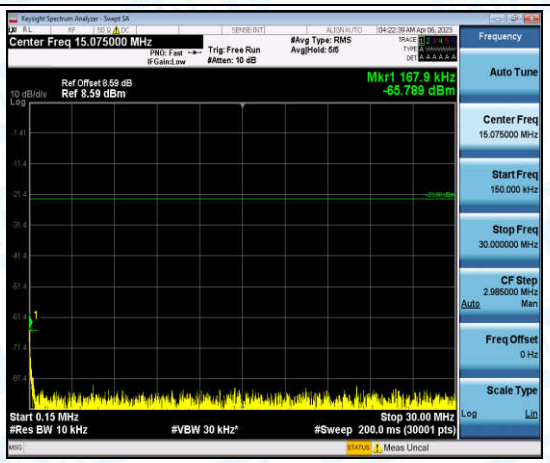
Band13-Stand-Alone-NaN-BPSK-23279-1@0-15kHz-1000-10000-1000~10000MHz@-44.07dBm--13-PASS



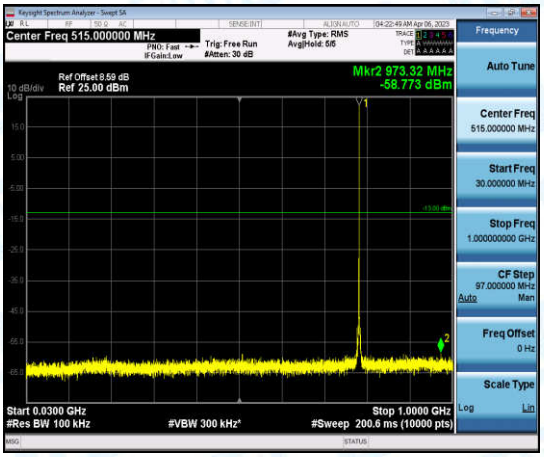
Band13-Stand-Alone-NaN-BPSK-23279-1@0-15kHz-1559-1610-1559~1610MHz@-66.55dBm--50-PASS



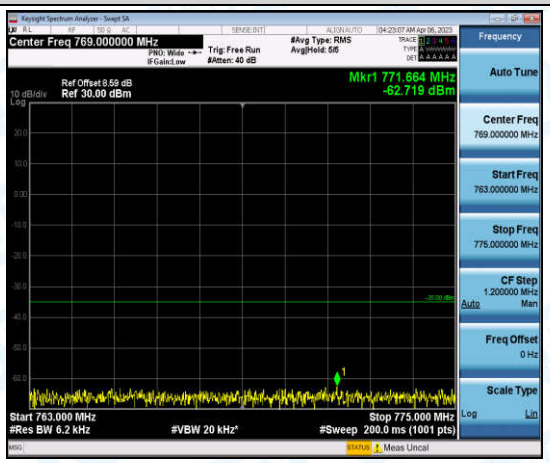
Band13-Stand-Alone-NaN-BPSK-23279-1@11-15kHz-0.009-0.15-0.009~0.15MHz@-64.71dBm--33-PASS



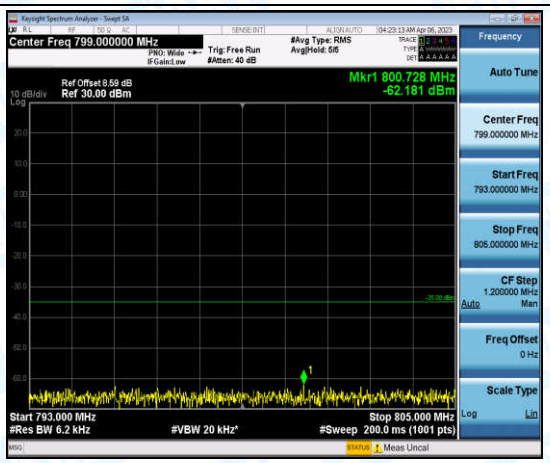
Band13-Stand-Alone-NaN-BPSK-23279-1@11-15kHz-0.15-30-0.15~30MHz@-65.79dBm--23-PASS



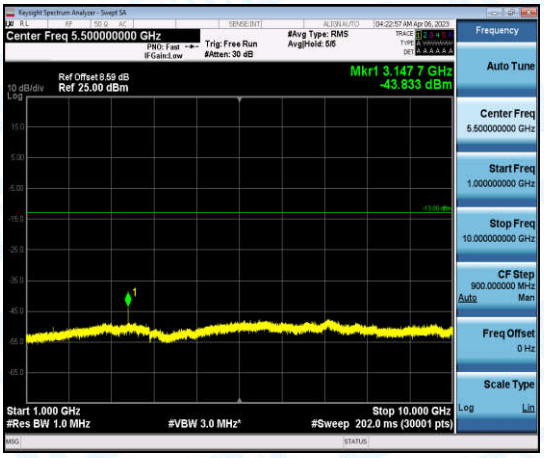
Band13-Stand-Alone-NaN-BPSK-23279-1@11-15kHz-30-1000-30~1000MHz@-58.77dBm--13-PASS



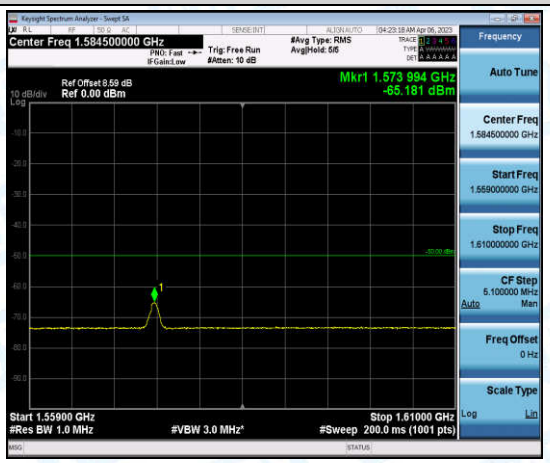
Band13-Stand-Alone-NaN-BPSK-23279-1@11-15kHz-763-775-763~775MHz@-62.72dBm--35-PASS



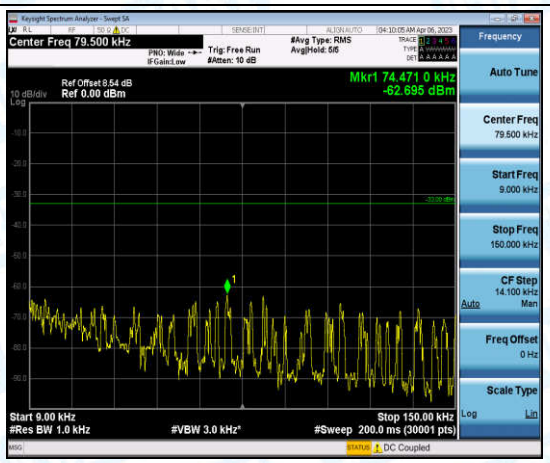
Band13-Stand-Alone-NaN-BPSK-23279-1@11-15kHz-793-805-793~805MHz@-62.18dBm--35-PASS



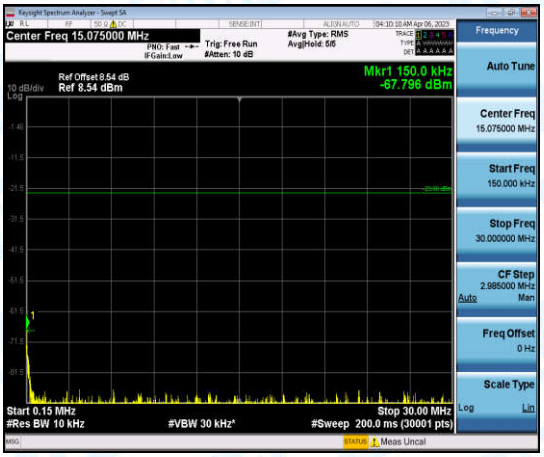
Band13-Stand-Alone-NaN-BPSK-23279-1@11-15kHz-1000-10000-1000~10000MHz@-43.83dBm--13-PASS



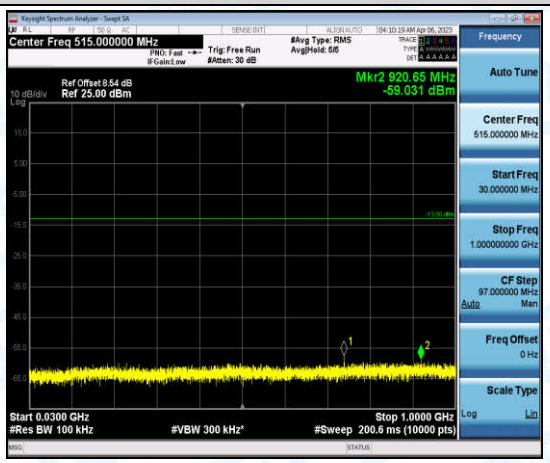
Band13-Stand-Alone-NaN-BPSK-23279-1@11-15kHz-1559-1610-1559~1610MHz@-65.18dBm--50-PASS



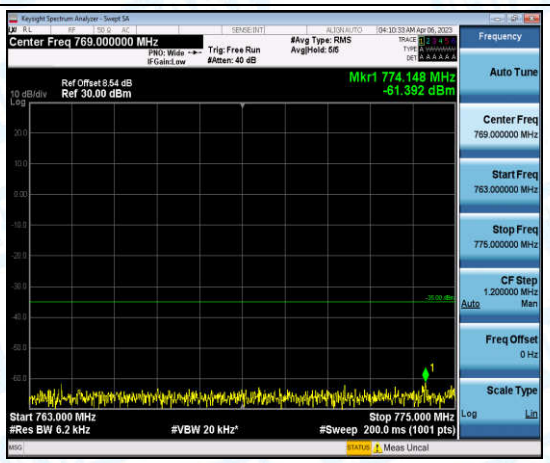
Band13-Stand-Alone-NaN-QPSK-23181-12@0-15kHz-0.009-0.15-0.009~0.15MHz@-62.7dBm--33-PASS



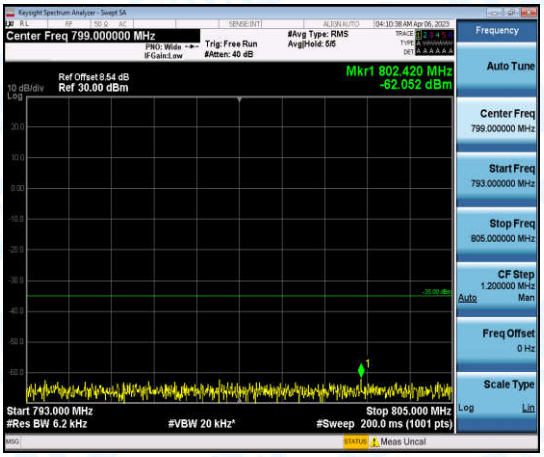
Band13-Stand-Alone-NaN-QPSK-23181-12@0-15kHz-0.15-30-0.15~30MHz@-67.8dBm--23-PASS



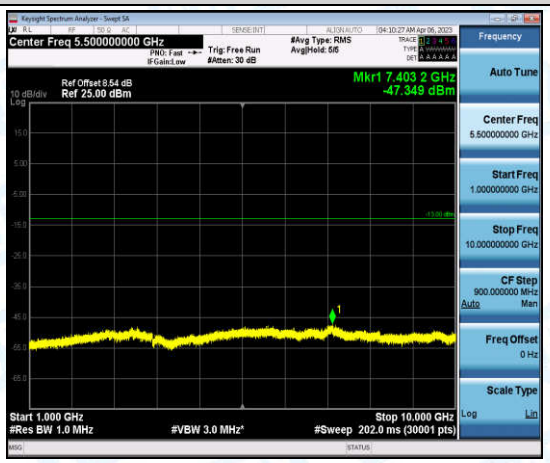
Band13-Stand-Alone-NaN-QPSK-23181-12@0-15kHz-30-1000-30~1000MHz@-59.03dBm--13-PASS



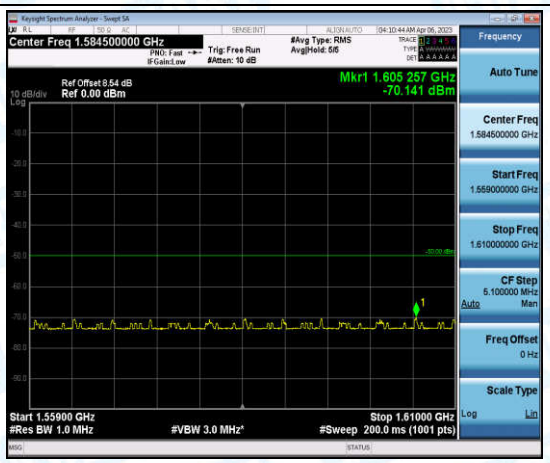
Band13-Stand-Alone-NaN-QPSK-23181-12@0-15kHz-763-775-763~775MHz@-61.39dBm--35-PASS



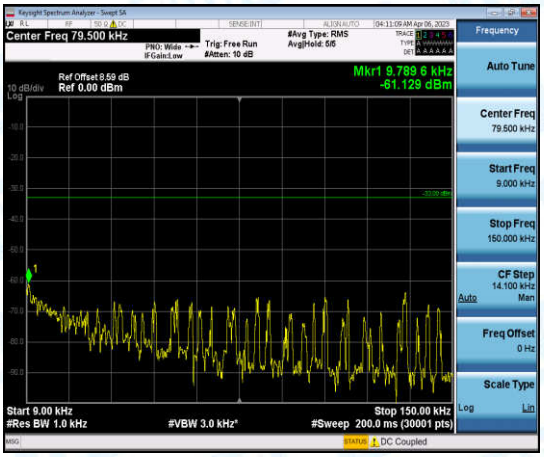
Band13-Stand-Alone-NaN-QPSK-23181-12@0-15kHz-793-805-793~805MHz@-62.05dBm--35-PASS



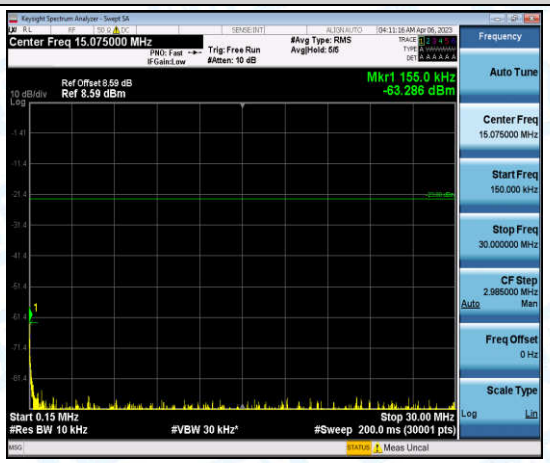
Band13-Stand-Alone-NaN-QPSK-23181-12@0-15kHz-1000-10000-1000~10000MHz@-47.35dBm--13-PASS



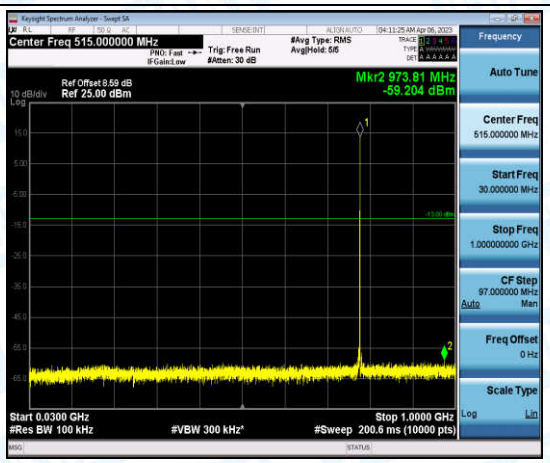
Band13-Stand-Alone-NaN-QPSK-23181-12@0-15kHz-1559-1610-1559~1610MHz@-70.14dBm--50-PASS



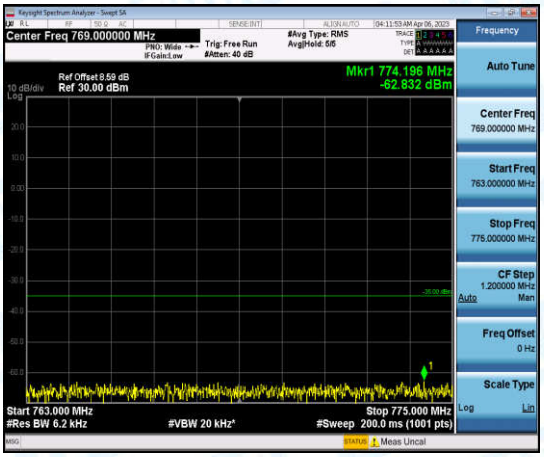
Band13-Stand-Alone-NaN-QPSK-23230-12@0-15kHz-0.009-0.15-0.009~0.15MHz@-61.13dBm--33-PASS



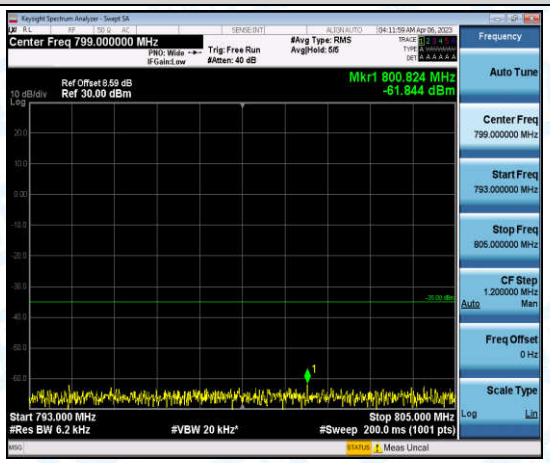
Band13-Stand-Alone-NaN-QPSK-23230-12@0-15kHz-0.15-30-0.15~30MHz@-63.29dBm--23-PASS



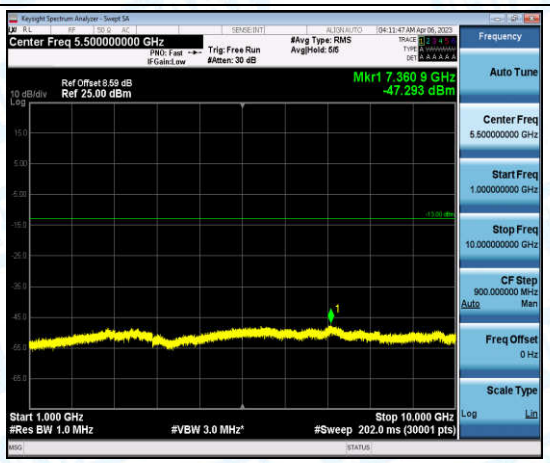
Band13-Stand-Alone-NaN-QPSK-23230-12@0-15kHz-30-1000-30~1000MHz@-59.2dBm--13-PASS



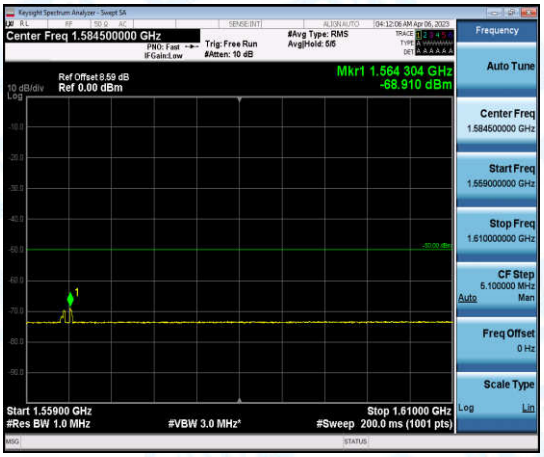
Band13-Stand-Alone-NaN-QPSK-23230-12@0-15kHz-763-775-763~775MHz@-62.83dBm--35-PASS



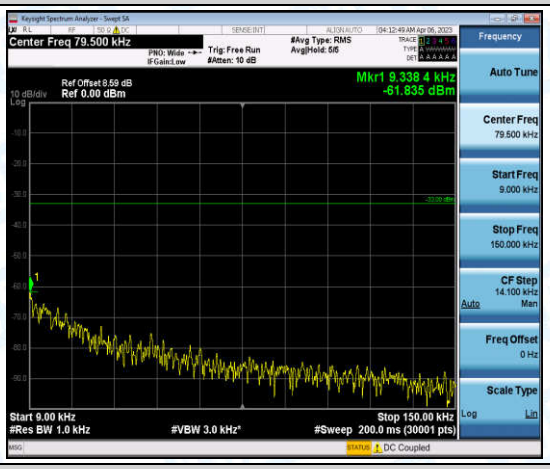
Band13-Stand-Alone-NaN-QPSK-23230-12@0-15kHz-793-805-793~805MHz@-61.84dBm--35-PASS



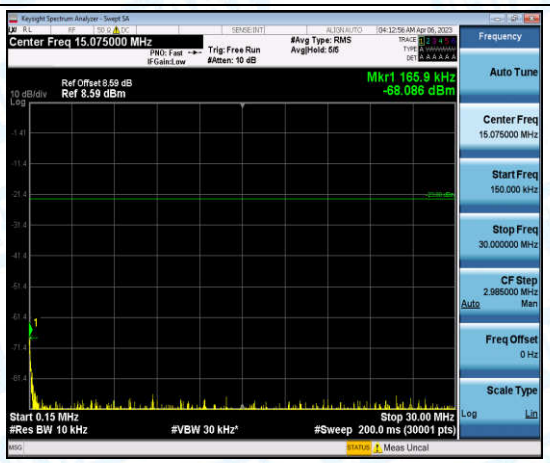
Band13-Stand-Alone-NaN-QPSK-23230-12@0-15kHz-1000-10000-1000~10000MHz@-47.29dBm--13-PASS



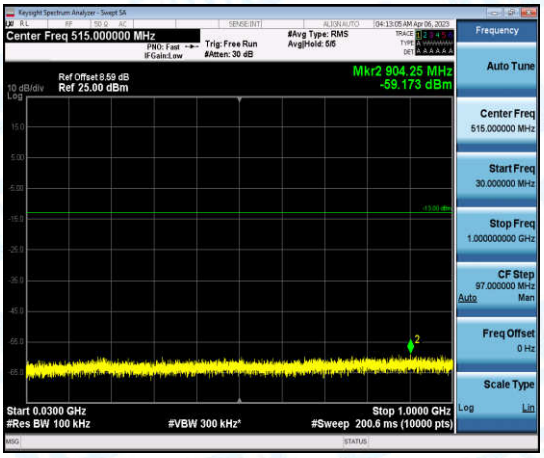
Band13-Stand-Alone-NaN-QPSK-23230-12@0-15kHz-1559-1610-1559~1610MHz@-68.91dBm--50-PASS



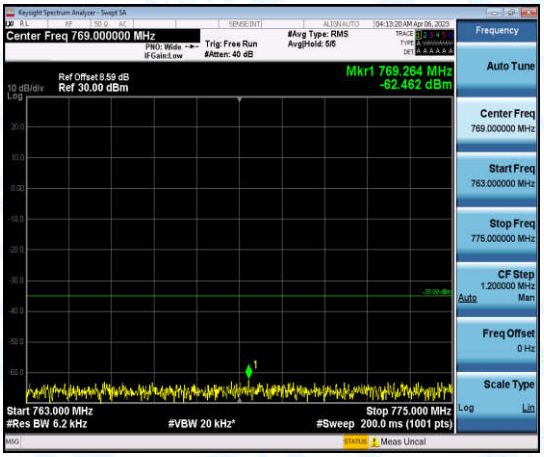
Band13-Stand-Alone-NaN-QPSK-23279-12@0-15kHz-0.009-0.15-0.009~0.15MHz@-61.84dBm--33-PASS



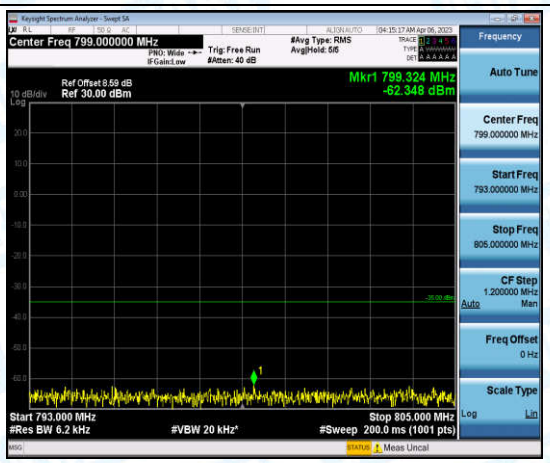
Band13-Stand-Alone-NaN-QPSK-23279-12@0-15kHz-0.15-30-0.15~30MHz@-68.09dBm--23-PASS



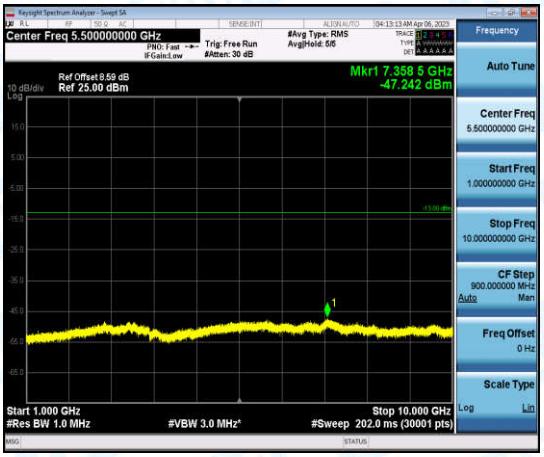
Band13-Stand-Alone-NaN-QPSK-23279-12@0-15kHz-30-1000-30~1000MHz@-59.17dBm--13-PASS



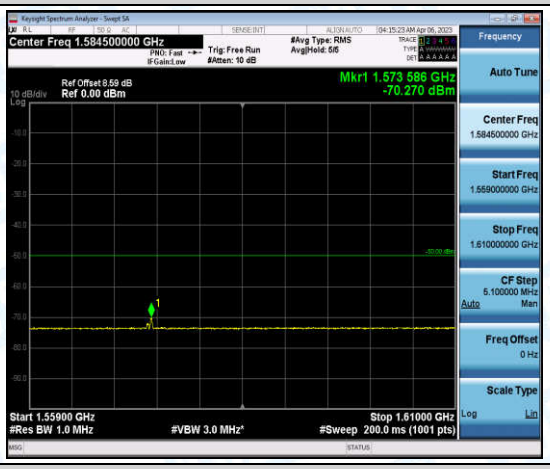
Band13-Stand-Alone-NaN-QPSK-23279-12@0-15kHz-763-775-763~775MHz@-62.46dBm--35-PASS



Band13-Stand-Alone-NaN-QPSK-23279-12@0-15kHz-793-805-793~805MHz@-62.35dBm--35-PASS



Band13-Stand-Alone-NaN-QPSK-23279-12@0-15kHz-1000-10000-1000~10000MHz@-47.24dBm--13-PASS



Band13-Stand-Alone-NaN-QPSK-23279-12@0-15kHz-1559-1610-1559~1610MHz@-70.27dBm--50-PASS

6: Frequency Stability for NB1

6.1 Test Result

Band	OpMode	Bandwidth	Modulation	Channel	Tones	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	VH	NT	8.40	0.010742	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	VL	NT	7.56	0.009668	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	VN	NT	6.40	0.008184	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	VH	NT	11.41	0.014591	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	VL	NT	13.15	0.016816	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	VN	NT	10.76	0.013760	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@0	VH	NT	8.47	0.010831	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@0	VL	NT	8.29	0.010601	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@0	VN	NT	6.64	0.008491	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@11	VH	NT	9.44	0.012072	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@11	VL	NT	9.53	0.012187	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@11	VN	NT	9.08	0.011611	±2.5	PASS

Band	OpMode	Bandwidth	Modulation	Channel	Tones	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	NV	60	4.47	0.005716	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	NV	-20	7.57	0.009680	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	NV	-10	8.71	0.011138	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	NV	0	2.18	0.002788	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	NV	10	4.15	0.005307	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	NV	20	5.78	0.007391	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	NV	30	6.64	0.008491	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	NV	40	1.97	0.002519	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	NV	-30	6.40	0.008184	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	NV	30	3.29	0.004207	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	NV	20	-6.26	-0.008005	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	NV	10	13.66	0.017468	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	NV	0	9.64	0.012327	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	NV	-10	3.62	0.004629	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	NV	40	9.75	0.012468	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	NV	-30	14.92	0.019079	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	NV	60	13.76	0.017596	±2.5	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	NV	-20	17.57	0.022468	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@0	NV	60	6.43	0.008223	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@0	NV	-20	4.24	0.005422	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@0	NV	-10	5.53	0.007072	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@0	NV	0	6.46	0.008261	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@0	NV	10	7.55	0.009655	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@0	NV	20	-6.96	-0.008900	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@0	NV	30	3.61	0.004616	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@0	NV	40	5.82	0.007442	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@0	NV	-30	-7.51	-0.009604	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@11	NV	40	6.20	0.007928	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@11	NV	30	-4.21	-0.005384	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@11	NV	20	-15.73	-0.020115	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@11	NV	10	8.37	0.010703	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@11	NV	0	7.39	0.009450	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@11	NV	-10	-14.33	-0.018325	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@11	NV	-30	10.18	0.013018	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@11	NV	60	7.72	0.009872	±2.5	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@11	NV	-20	-14.49	-0.018529	±2.5	PASS

-----END OF THE REPORT-----