

FCC LTE NB-IOT Band26 Test Data

General Description of EUT	
Product Name:	AirSuite Glance LTE
Test Model:	ASCM1420
Sample ID:	C-202305-0005-01-2#
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 5V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202305-0005-82 . The report only show the worst case data.	

Contents

FCC LTE NB-IOT Band26 Test Data	1
1: Conducted Power Output Data for NB1	3
1.1 Test Result	3
2: Peak-to-Average Ratio(CCDF) for NB1	4
2.1 Test Result	4
2.2 Test Graphs	5
3: Emission Bandwidth for NB1	9
3.1 Test Result	9
3.2 Test Graphs	10
4: Band Edge for NB1	16
4.1 Test Result	16
4.2 Test Graphs	17
5: Conducted Spurious Emission for NB1	24
5.1 Test Result	24
5.2 Test Graphs	30
6: Frequency Stability for NB1	40
6.1 Test Result	40

1: Conducted Power Output Data for NB1

1.1 Test Result

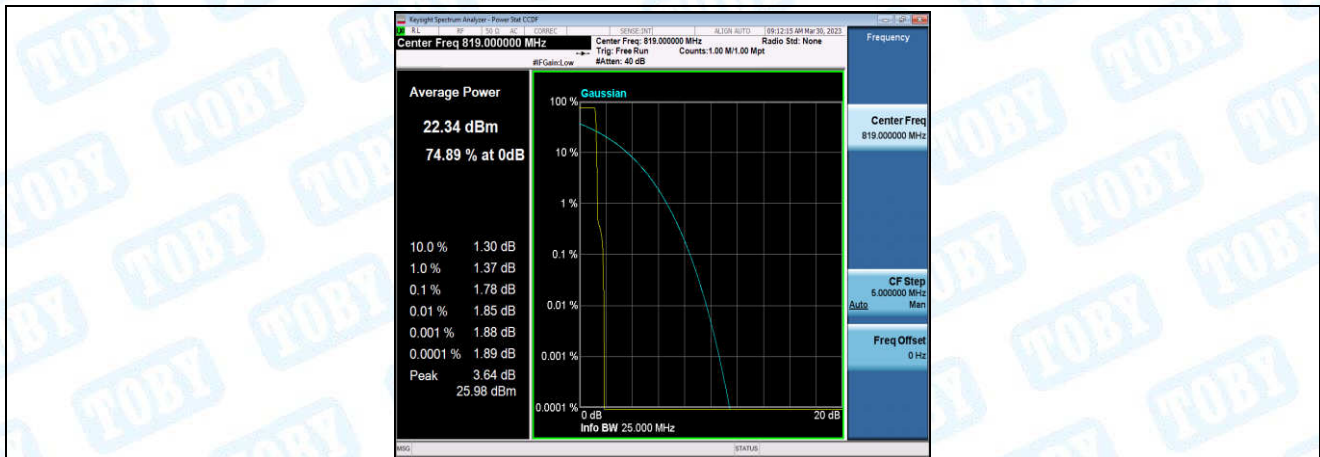
Band	OpMode	BW	Modu	Channel	Tones	Result (dBm)	Verdict
Band26	Stand-Alone	3.75kHz	BPSK	26691	1@0	23.53	PASS
Band26	Stand-Alone	3.75kHz	BPSK	26691	1@47	23.44	PASS
Band26	Stand-Alone	3.75kHz	BPSK	26740	1@0	23.52	PASS
Band26	Stand-Alone	3.75kHz	BPSK	26740	1@47	23.46	PASS
Band26	Stand-Alone	3.75kHz	BPSK	26783	1@0	23.48	PASS
Band26	Stand-Alone	3.75kHz	BPSK	26783	1@47	23.42	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26691	1@0	23.52	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26691	1@47	23.57	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	23.54	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@47	23.44	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26783	1@0	23.51	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26783	1@47	23.42	PASS
Band26	Stand-Alone	15kHz	BPSK	26691	1@0	23.54	PASS
Band26	Stand-Alone	15kHz	BPSK	26691	1@11	23.43	PASS
Band26	Stand-Alone	15kHz	BPSK	26691	3@3	23.41	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	1@0	23.46	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	1@11	23.46	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	3@3	23.54	PASS
Band26	Stand-Alone	15kHz	BPSK	26783	1@0	23.41	PASS
Band26	Stand-Alone	15kHz	BPSK	26783	1@11	23.44	PASS
Band26	Stand-Alone	15kHz	BPSK	26691	1@0	23.53	PASS
Band26	Stand-Alone	15kHz	BPSK	26691	1@47	23.44	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	1@0	23.52	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	1@47	23.46	PASS
Band26	Stand-Alone	15kHz	BPSK	26783	1@0	23.48	PASS
Band26	Stand-Alone	15kHz	BPSK	26783	1@47	23.42	PASS
Band26	Stand-Alone	15kHz	QPSK	26691	1@0	23.52	PASS
Band26	Stand-Alone	15kHz	QPSK	26691	1@47	23.57	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@0	23.54	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@47	23.44	PASS

2: Peak-to-Average Ratio(CCDF) for NB1

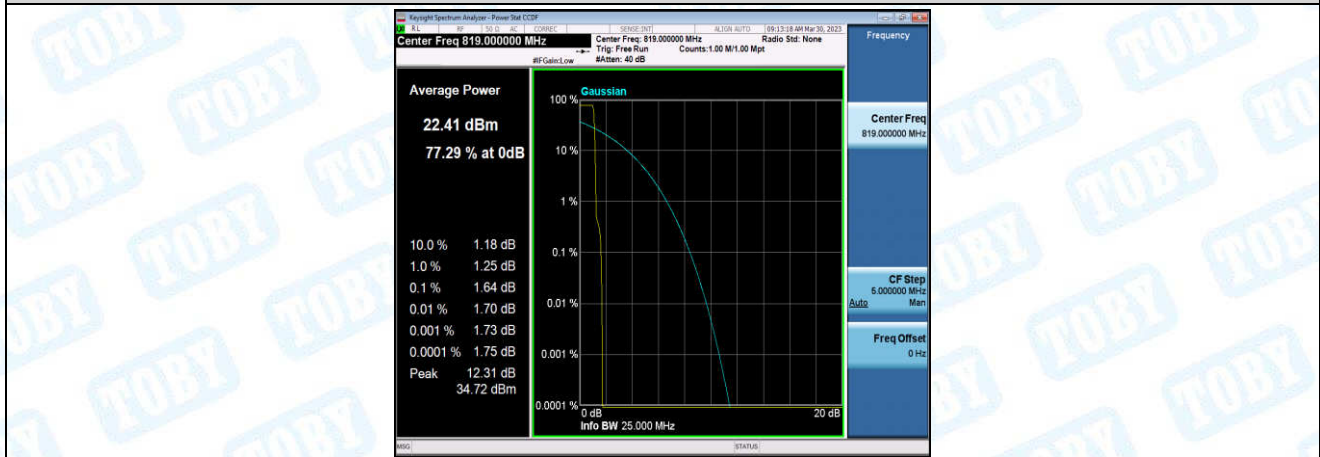
2.1 Test Result

Band	OpMode	BW	Modu	Channel	Tones	Result (dBm)	Limit (dBm)	Verdict
Band26	Stand-Alone	3.75kHz	BPSK	26740	1@0	1.78	<=13	PASS
Band26	Stand-Alone	3.75kHz	BPSK	26740	1@47	1.64	<=13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	2.52	<=13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@47	3.17	<=13	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	1@0	3.95	<=13	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	1@11	3.42	<=13	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	3@3	9.04	<=13	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@0	7.15	<=13	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@11	9.01	<=13	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	3@3	10.52	<=13	PASS

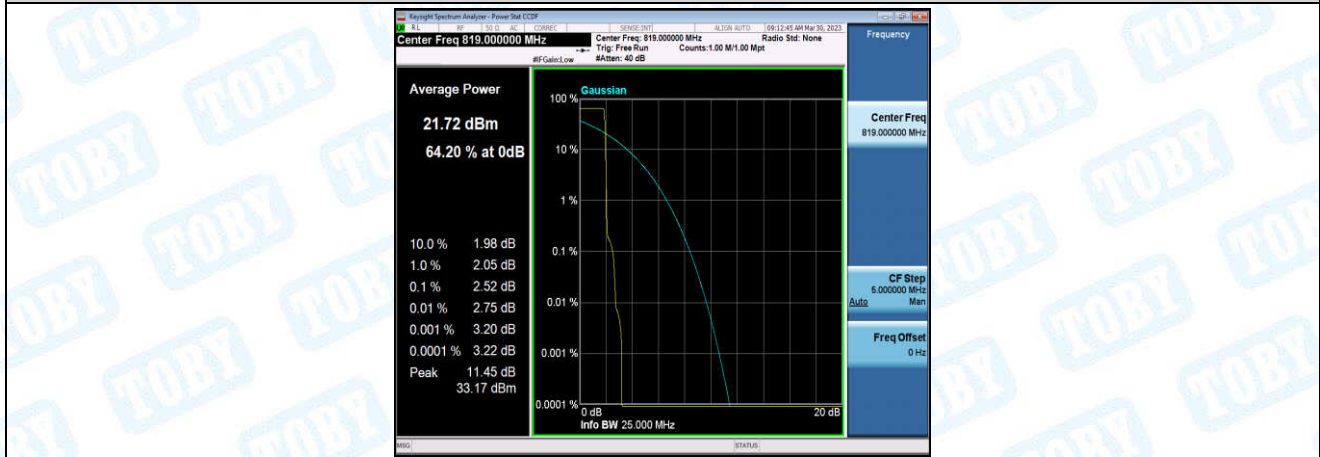
2.2 Test Graphs



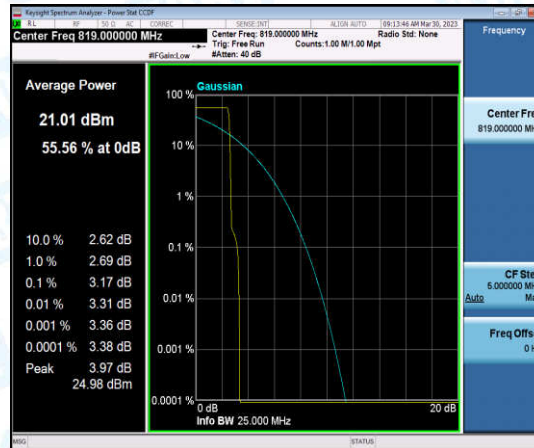
Band26-Stand-Alone-NaN-BPSK-26740-1@0-3.75kHz-1.78-<=13-PASS



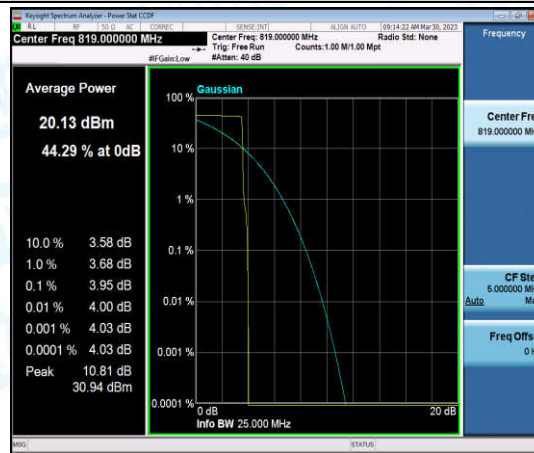
Band26-Stand-Alone-NaN-BPSK-26740-1@47-3.75kHz-1.64-<=13-PASS



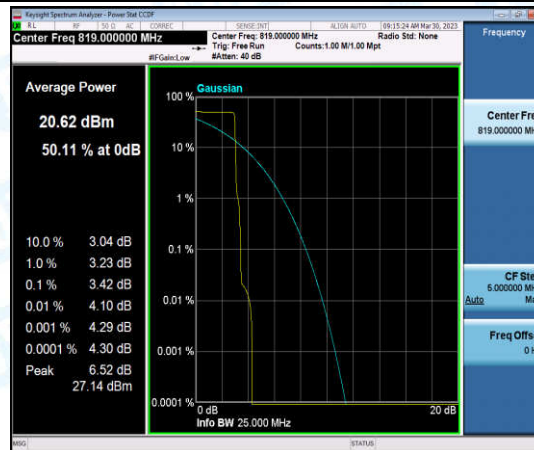
Band26-Stand-Alone-NaN-QPSK-26740-1@0-3.75kHz-2.52-<=13-PASS



Band26-Stand-Alone-NaN-QPSK-26740-1@47-3.75kHz-3.17-<=13-PASS



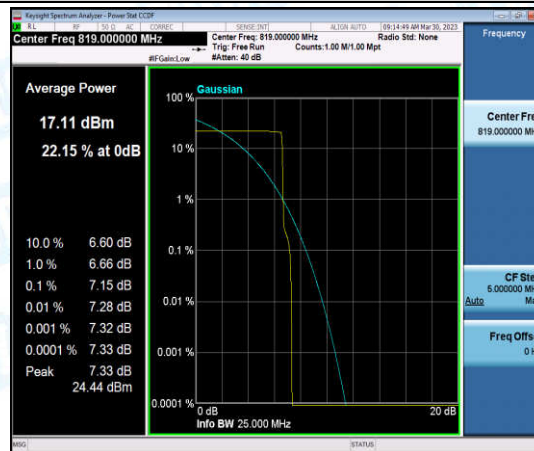
Band26-Stand-Alone-NaN-BPSK-26740-1@0-15kHz-3.95-<=13-PASS



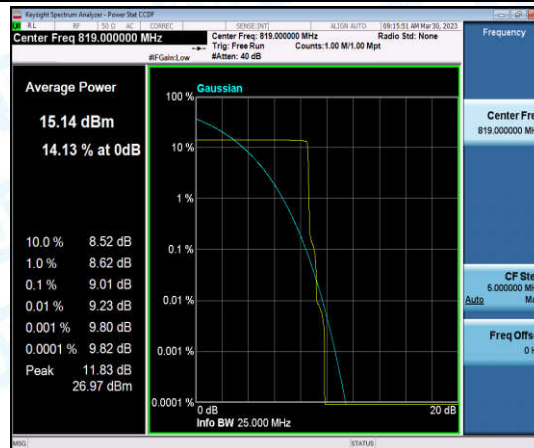
Band26-Stand-Alone-NaN-BPSK-26740-1@11-15kHz-3.42-<=13-PASS



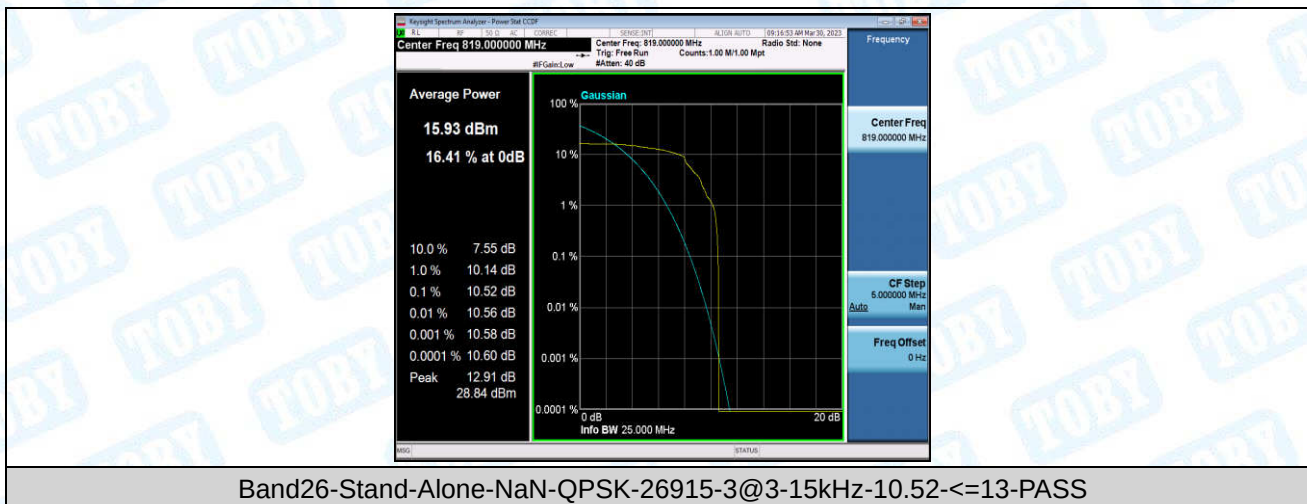
Band26-Stand-Alone-NaN-BPSK-26740-3@3-15kHz-9.04-<=13-PASS



Band26-Stand-Alone-NaN-QPSK-26915-1@0-15kHz-7.15-<=13-PASS



Band26-Stand-Alone-NaN-QPSK-26915-1@11-15kHz-9.01-<=13-PASS



3: Emission Bandwidth for NB1

3.1 Test Result

Band	OpMode	BW	Modu	Channel	Tones	Occupied Bandwidth (MHz)	Result (MHz)	Verdict
Band26	Stand-Alone	3.75kHz	BPSK	26691	1@0	0.0750	0.0547	PASS
Band26	Stand-Alone	3.75kHz	BPSK	26740	1@0	0.0760	0.0505	PASS
Band26	Stand-Alone	3.75kHz	BPSK	26783	1@0	0.0753	0.0508	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26691	1@0	0.0923	0.0533	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	0.0924	0.0547	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26783	1@0	0.0918	0.0533	PASS
Band26	Stand-Alone	15kHz	BPSK	26691	1@0	0.1363	0.1277	PASS
Band26	Stand-Alone	15kHz	BPSK	26691	12@0	0.1879	0.2930	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	1@0	0.1385	0.1273	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	12@0	0.1872	0.3034	PASS
Band26	Stand-Alone	15kHz	BPSK	26783	1@0	0.1383	0.1340	PASS
Band26	Stand-Alone	15kHz	BPSK	26783	12@0	0.1873	0.3052	PASS
Band26	Stand-Alone	15kHz	QPSK	26691	1@0	0.1430	0.1448	PASS
Band26	Stand-Alone	15kHz	QPSK	26691	12@0	0.1876	0.2879	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@0	0.1446	0.1453	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	12@0	0.1870	0.3046	PASS
Band26	Stand-Alone	15kHz	QPSK	26783	1@0	0.1507	0.1703	PASS
Band26	Stand-Alone	15kHz	QPSK	26783	12@0	0.1874	0.3051	PASS

3.2 Test Graphs



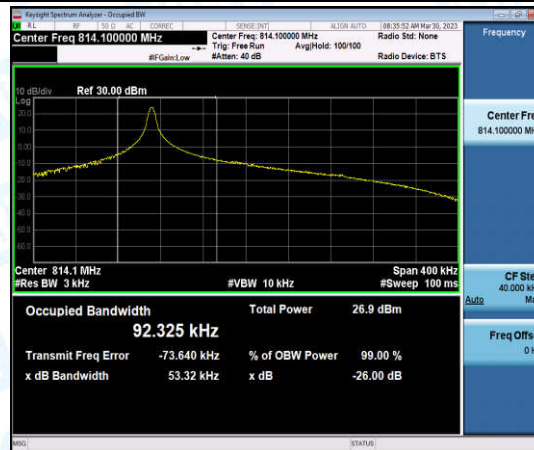
Band26-Stand-Alone-NaN-BPSK-26691-1@0-3.75kHz-0.0547-PASS



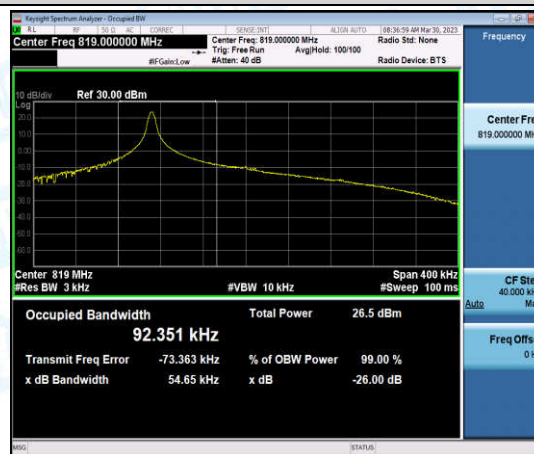
Band26-Stand-Alone-NaN-BPSK-26740-1@0-3.75kHz-0.0505-PASS



Band26-Stand-Alone-NaN-BPSK-26783-1@0-3.75kHz-0.0508-PASS



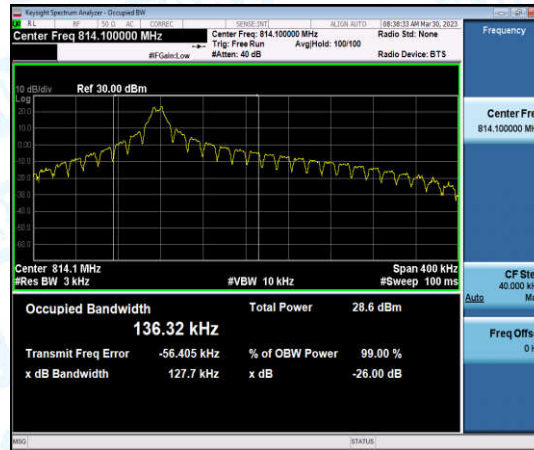
Band26-Stand-Alone-NaN-QPSK-26691-1@0-3.75kHz-0.0533-PASS



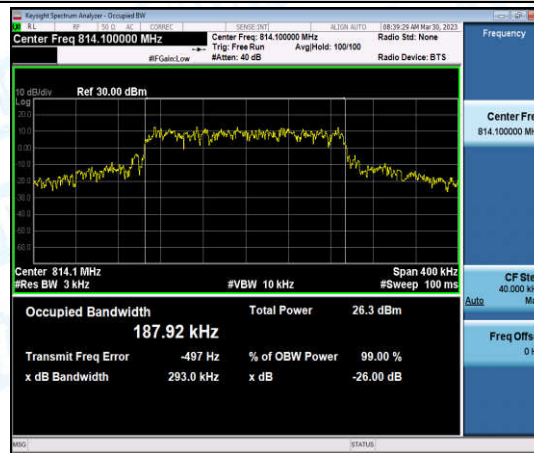
Band26-Stand-Alone-NaN-QPSK-26740-1@0-3.75kHz-0.0547-PASS



Band26-Stand-Alone-NaN-QPSK-26783-1@0-3.75kHz-0.0533-PASS



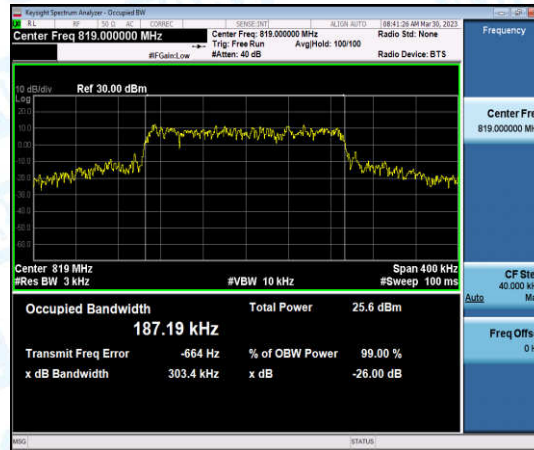
Band26-Stand-Alone-NaN-BPSK-26691-1@0-15kHz-0.1277-PASS



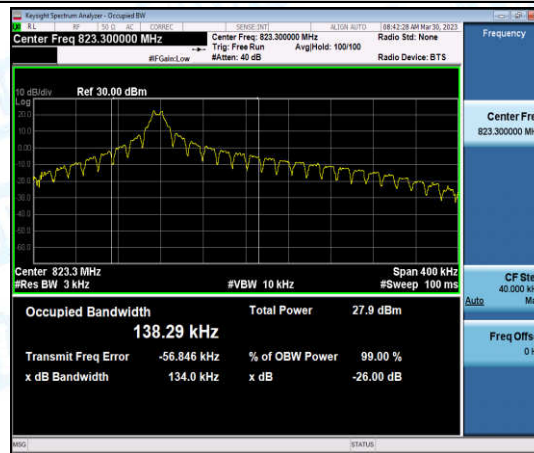
Band26-Stand-Alone-NaN-BPSK-26691-12@0-15kHz-0.2930-PASS



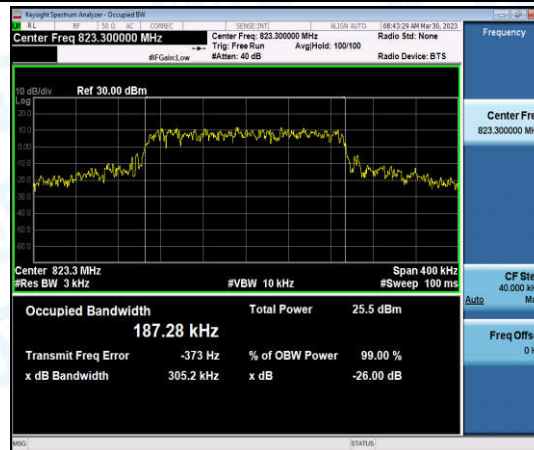
Band26-Stand-Alone-NaN-BPSK-26740-1@0-15kHz-0.1273-PASS



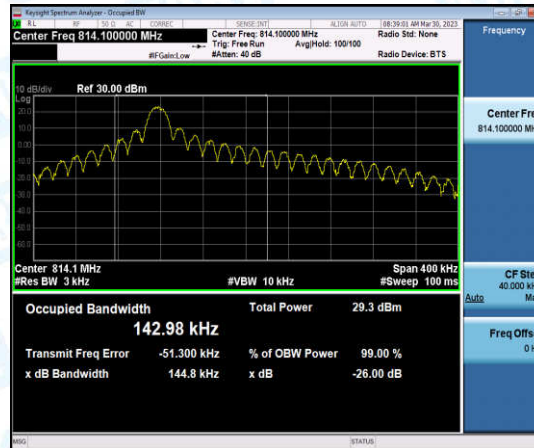
Band26-Stand-Alone-NaN-BPSK-26740-12@0-15kHz-0.3034-PASS



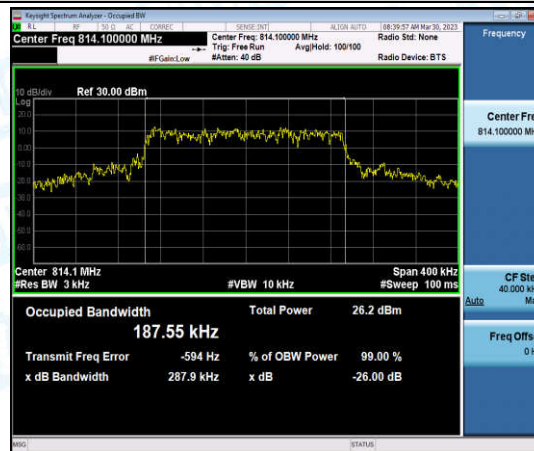
Band26-Stand-Alone-NaN-BPSK-26783-1@0-15kHz-0.1340-PASS



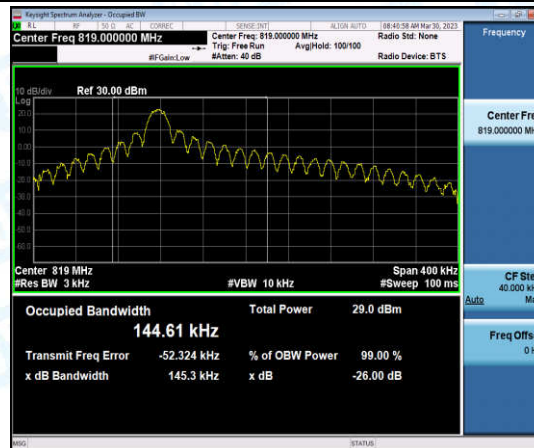
Band26-Stand-Alone-NaN-BPSK-26783-12@0-15kHz-0.3052-PASS



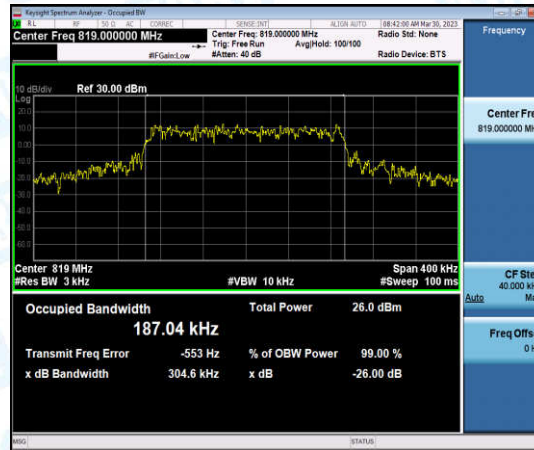
Band26-Stand-Alone-NaN-QPSK-26691-1@0-15kHz-0.1448-PASS



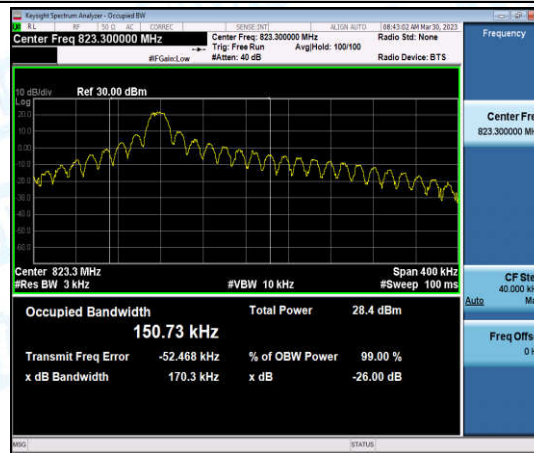
Band26-Stand-Alone-NaN-QPSK-26691-12@0-15kHz-0.2879-PASS



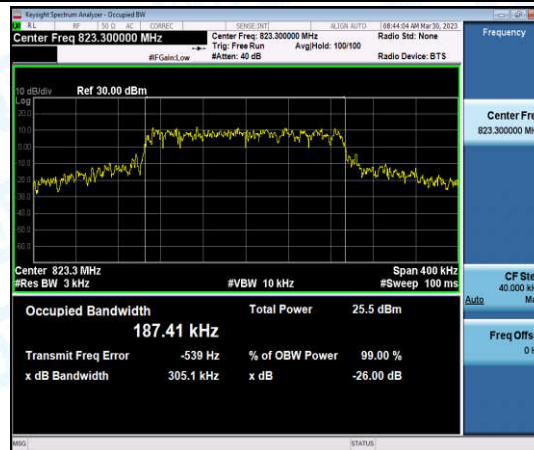
Band26-Stand-Alone-NaN-QPSK-26740-1@0-15kHz-0.1453-PASS



Band26-Stand-Alone-NaN-QPSK-26740-12@0-15kHz-0.3046-PASS



Band26-Stand-Alone-NaN-QPSK-26783-1@0-15kHz-0.1703-PASS



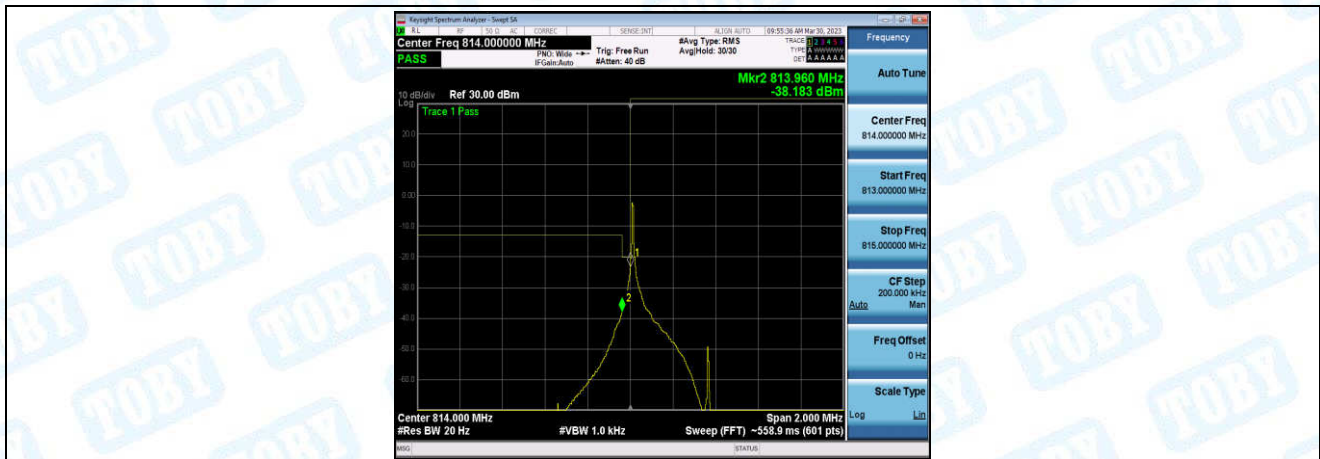
Band26-Stand-Alone-NaN-QPSK-26783-12@0-15kHz-0.3051-PASS

4: Band Edge for NB1

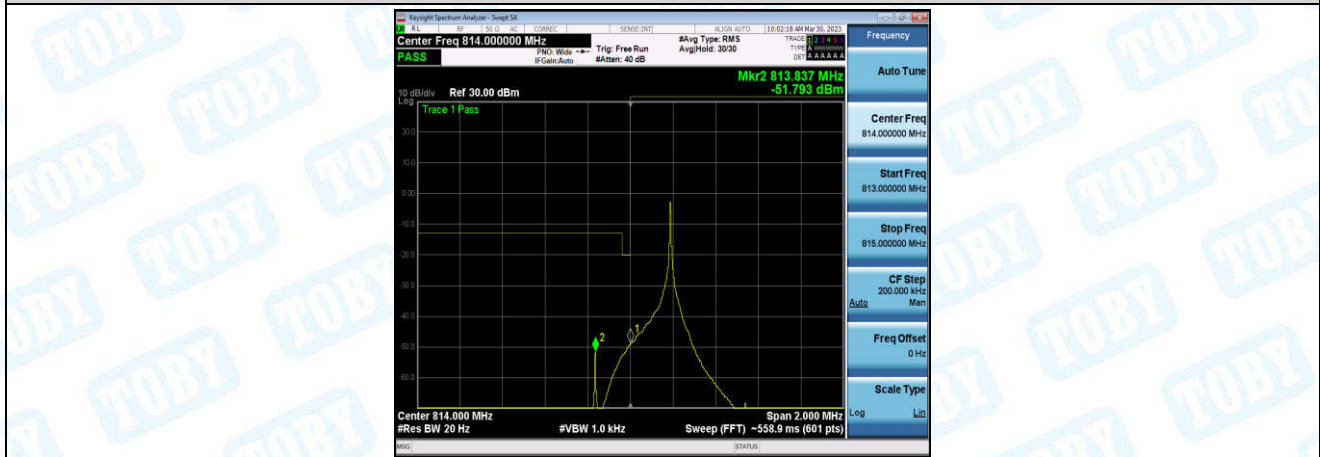
4.1 Test Result

Band	OpMode	BW	Modu	Channel	Tones	Result (dBm)	Verdict
Band26	Stand-Alone	3.75kHz	BPSK	26691	1@0	-23.63,-38.20	PASS
Band26	Stand-Alone	3.75kHz	BPSK	26691	1@47	-48.99,-51.79	PASS
Band26	Stand-Alone	3.75kHz	BPSK	26740	1@0	-24.93,-39.51	PASS
Band26	Stand-Alone	3.75kHz	BPSK	26740	1@47	-48.11,-51.46	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26783	1@0	-24.70,-39.28	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26783	1@47	-48.26,-51.91	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26691	1@0	-24.60,-39.39	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26691	1@47	-48.02,-50.83	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	1@0	-25.01,-39.76	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	1@11	-57.44,-60.60	PASS
Band26	Stand-Alone	15kHz	BPSK	26783	12@0	-26.06,-40.83	PASS
Band26	Stand-Alone	15kHz	BPSK	26783	1@0	-49.88,-52.92	PASS
Band26	Stand-Alone	15kHz	BPSK	26691	1@11	-21.53,-34.48	PASS
Band26	Stand-Alone	15kHz	BPSK	26691	12@0	-31.75,-36.68	PASS
Band26	Stand-Alone	15kHz	QPSK	26691	1@0	-36.79,-40.36	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@11	-21.70,-34.70	PASS
Band26	Stand-Alone	15kHz	QPSK	26783	12@0	-22.26,-35.21	PASS
Band26	Stand-Alone	15kHz	QPSK	26783	1@0	-32.53,-36.79	PASS
Band26	Stand-Alone	15kHz	QPSK	26691	1@11	-38.61,-43.39	PASS
Band26	Stand-Alone	15kHz	QPSK	26691	12@0	-23.05,-36.10	PASS

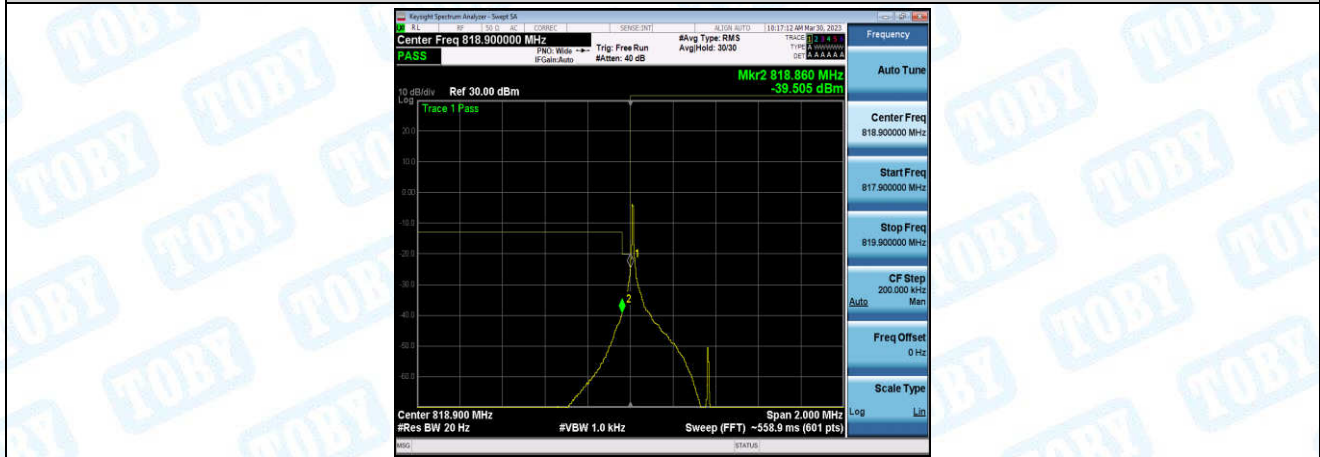
4.2 Test Graphs



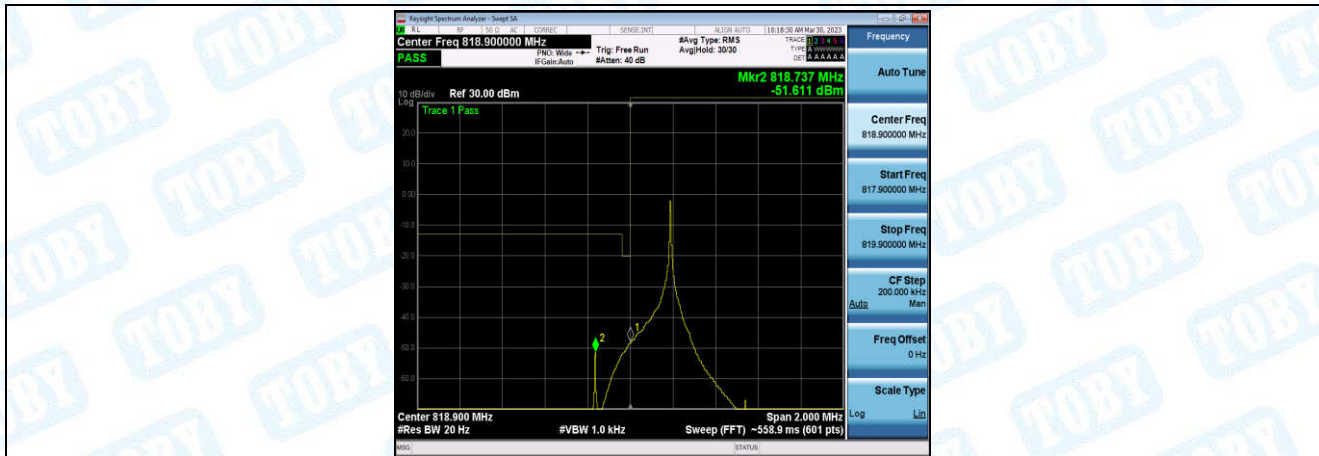
Band26-Stand-Alone-NaN-BPSK-26691-1@0-3.75kHz--23.63,-38.20-PASS



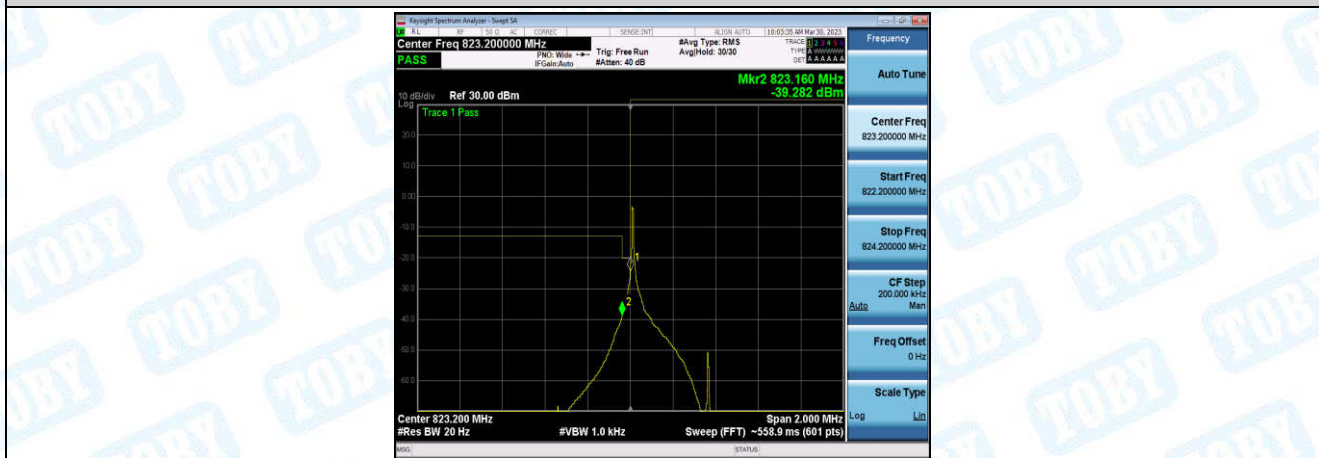
Band26-Stand-Alone-NaN-BPSK-26691-1@47-3.75kHz--48.99,-51.79-PASS



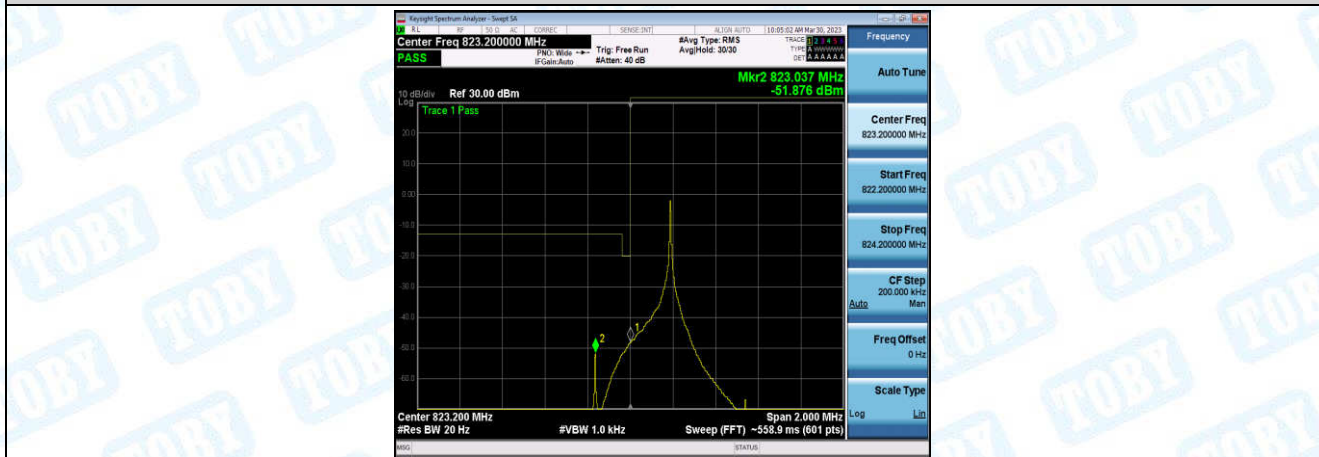
Band26-Stand-Alone-NaN-BPSK-26740-1@0-3.75kHz--24.93,-39.51-PASS



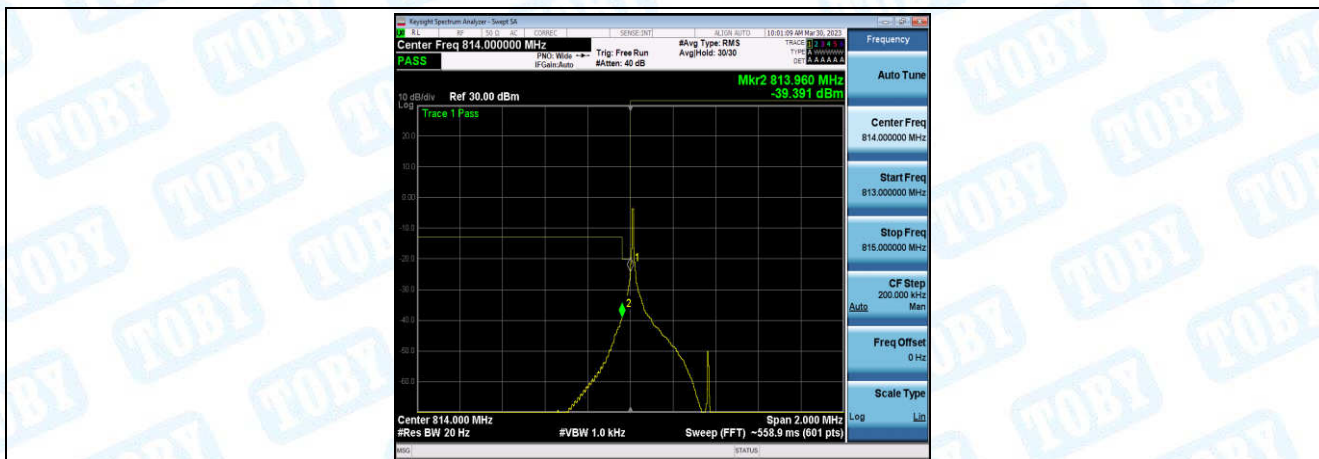
Band26-Stand-Alone-NaN-BPSK-26740-1@47-3.75kHz--48.11,-51.46-PASS



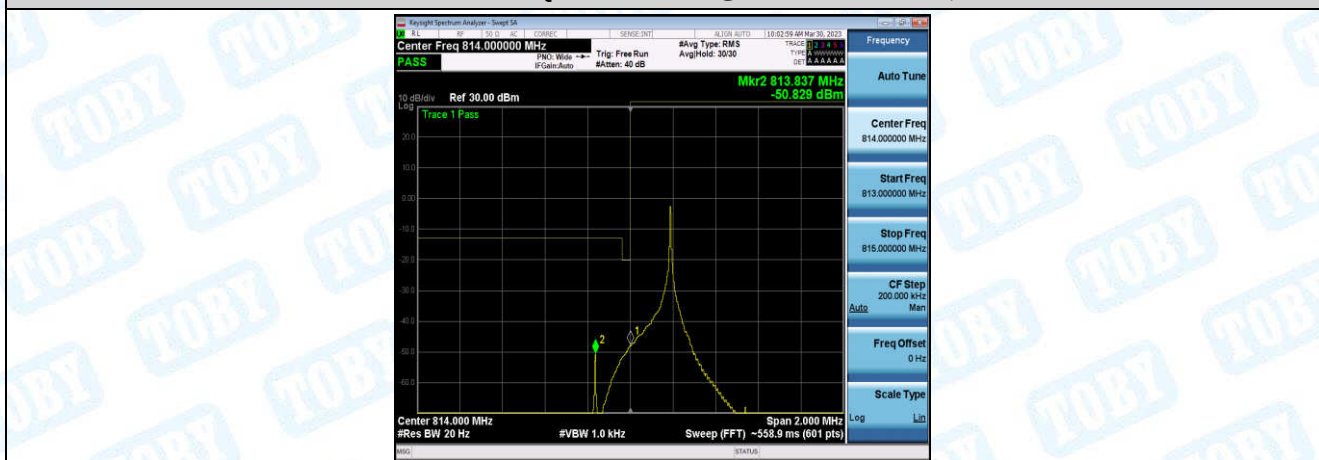
Band26-Stand-Alone-NaN-BPSK-26783-1@0-3.75kHz--24.70,-39.28-PASS



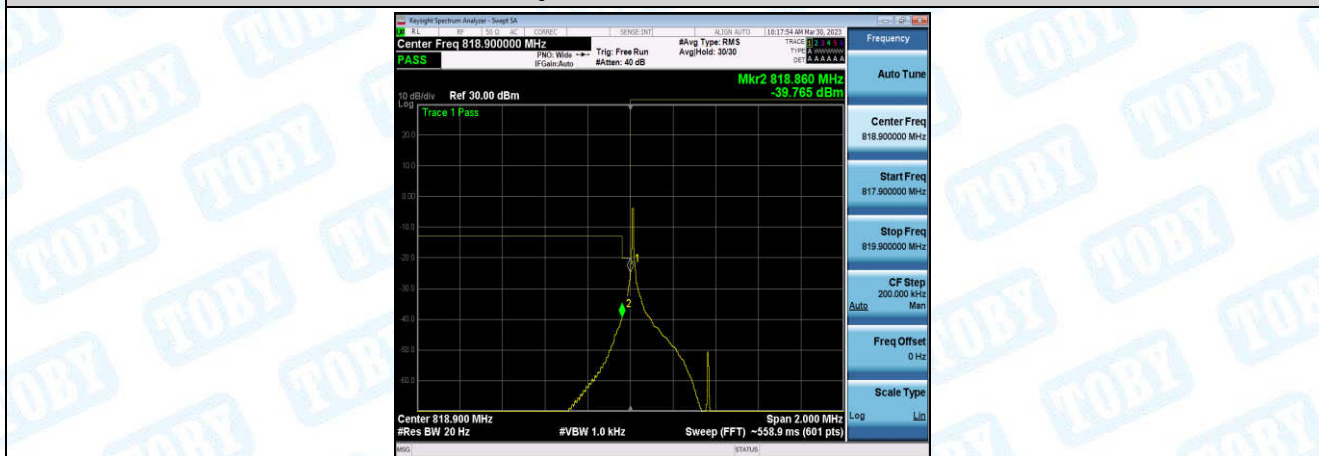
Band26-Stand-Alone-NaN-BPSK-26783-1@47-3.75kHz--48.26,-51.91-PASS



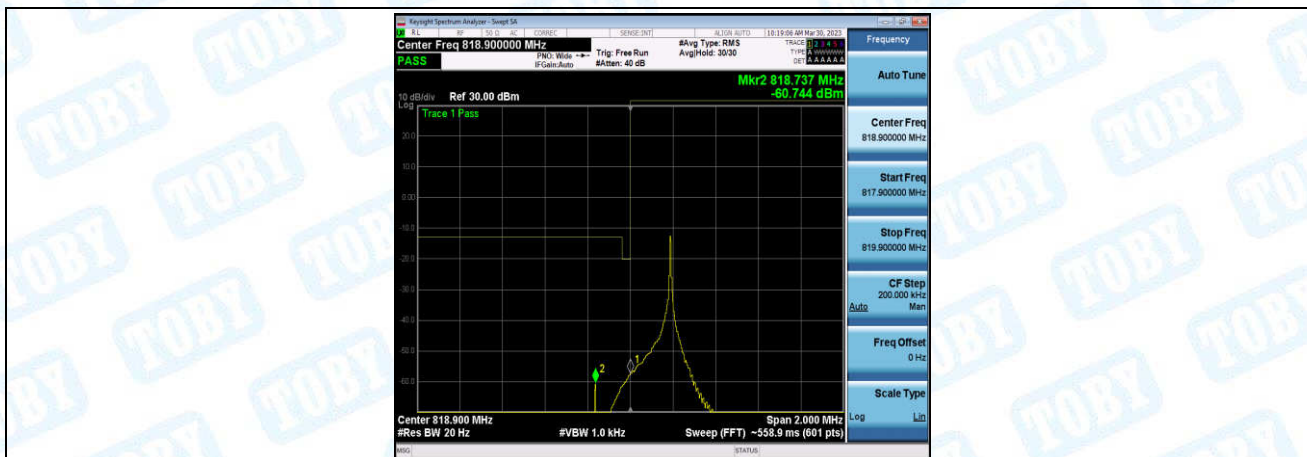
Band26-Stand-Alone-NaN-QPSK-26691-1@0-3.75kHz--24.60,-39.39-PASS



Band26-Stand-Alone-NaN-QPSK-26691-1@47-3.75kHz--48.02,-50.83-PASS



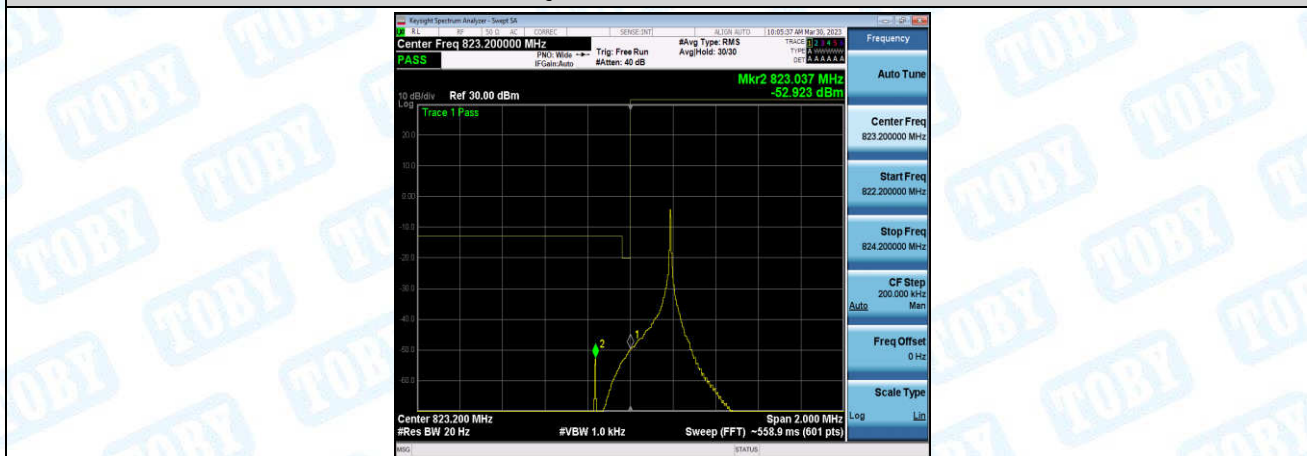
Band26-Stand-Alone-NaN-QPSK-26740-1@0-3.75kHz--25.01,-39.76-PASS



Band26-Stand-Alone-NaN-QPSK-26740-1@47-3.75kHz--57.44,-60.60-PASS



Band26-Stand-Alone-NaN-QPSK-26783-1@0-3.75kHz--26.06,-40.83-PASS



Band26-Stand-Alone-NaN-QPSK-26783-1@47-3.75kHz--49.88,-52.92-PASS



Band26-Stand-Alone-NaN-BPSK-26691-1@0-15kHz--21.53,-34.48-PASS



Band26-Stand-Alone-NaN-BPSK-26691-1@11-15kHz--31.75,-36.68-PASS



Band26-Stand-Alone-NaN-BPSK-26691-12@0-15kHz--36.79,-40.36-PASS



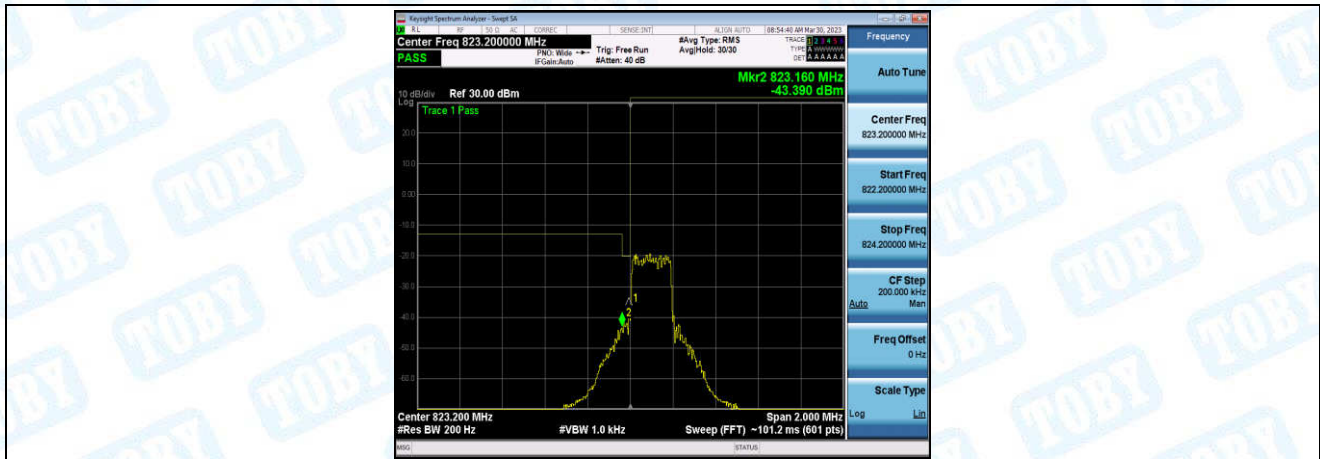
Band26-Stand-Alone-NaN-BPSK-26740-1@0-15kHz--21.70,-34.70-PASS



Band26-Stand-Alone-NaN-BPSK-26783-1@0-15kHz--22.26,-35.21-PASS



Band26-Stand-Alone-NaN-BPSK-26783-1@11-15kHz--32.53,-36.79-PASS



Band26-Stand-Alone-NaN-BPSK-26783-12@0-15kHz--38.61,-43.39-PASS



Band26-Stand-Alone-NaN-QPSK-26691-1@0-15kHz--23.05,-36.10-PASS

5: Conducted Spurious Emission for NB1

5.1 Test Result

Band	OpMode	BW	Modu	Channel	Tones	Freq Start [MHz]	Freq Stop [MHz]	Result (dBm)	Limit (dBm)	Verdict
Band26	Stand-Alone	3.75kHz	QPSK	26691	1@0	0.009	0.15	0.009~0.15MHz @-63.72dBm	-33	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26691	1@0	0.15	30	0.15~30MHz @-71.46dBm	-23	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26691	1@0	30	1000	30~1000MHz @-59.17dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26691	1@0	1000	10000	1000~10000MHz @-39.33dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26691	1@47	0.009	0.15	0.009~0.15MHz @-66.17dBm	-33	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26691	1@47	0.15	30	0.15~30MHz @-67.1dBm	-23	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26691	1@47	30	1000	30~1000MHz @-59.08dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26691	1@47	1000	10000	1000~10000MHz @-39.13dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	0.009	0.15	0.009~0.15MHz @-65.41dBm	-33	PASS

Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	0.15	30	0.15~30MHz @-69.96dBm	-23	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	30	1000	30~1000MHz @-59.38dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	1000	10000	1000~10000MHz @-39.19dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@47	0.009	0.15	0.009~0.15MHz @-63.1dBm	-33	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@47	0.15	30	0.15~30MHz @-71.22dBm	-23	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@47	30	1000	30~1000MHz @-58.94dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@47	1000	10000	1000~10000MHz @-39.36dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26783	1@0	0.009	0.15	0.009~0.15MHz @-64.91dBm	-33	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26783	1@0	0.15	30	0.15~30MHz @-70.05dBm	-23	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26783	1@0	30	1000	30~1000MHz @-58.87dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26783	1@0	1000	10000	1000~10000MHz @-3	-13	PASS

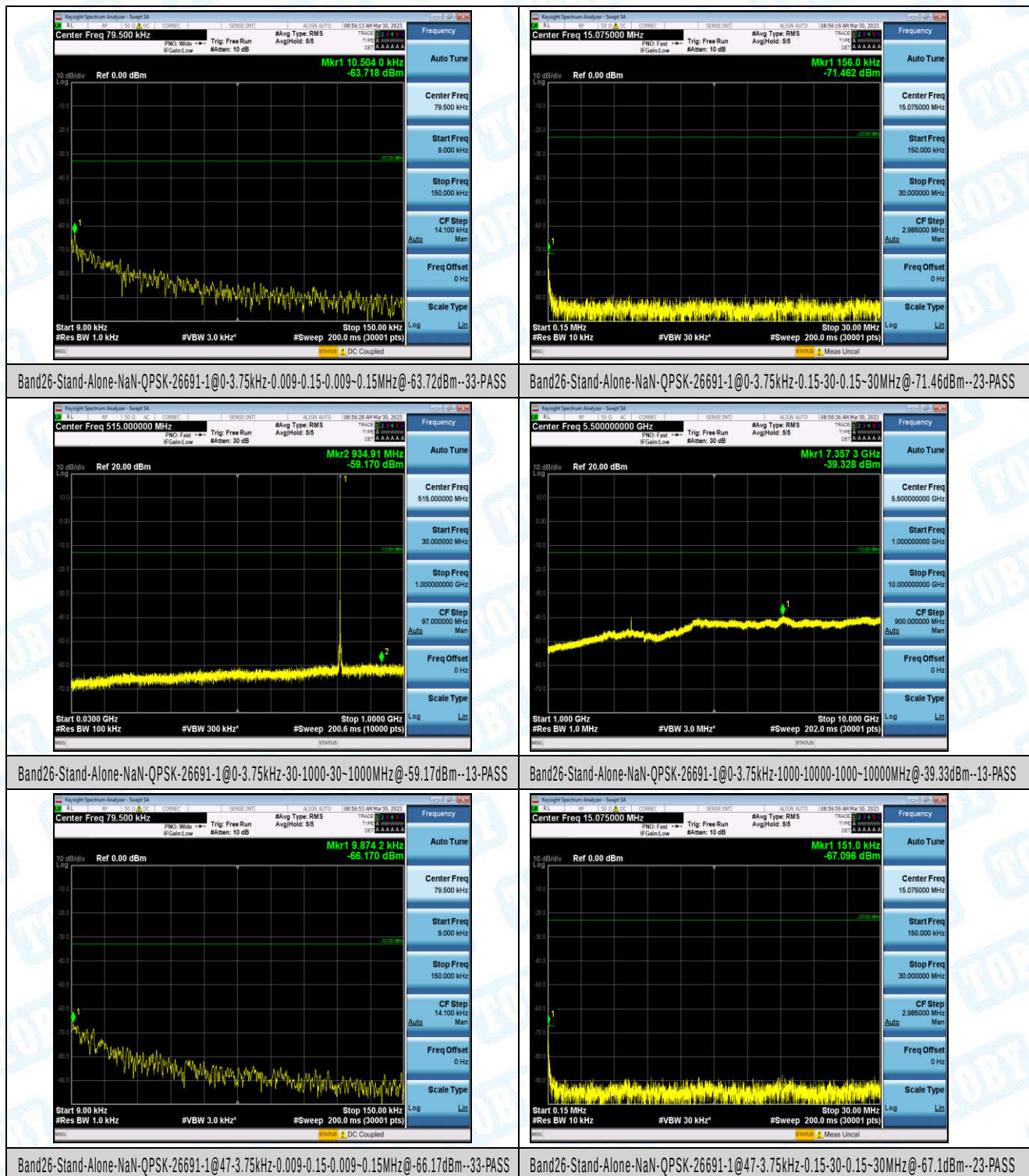
								9.11dBm		
Band26	Stand-Alone	3.75kHz	QPSK	26783	1@47	0.009	0.15	0.009~0.15MHz @ -65.8dBm	-33	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26783	1@47	0.15	30	0.15~30MHz @ -69.69dBm	-23	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26783	1@47	30	1000	30~1000MHz @ -58.54dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26783	1@47	1000	10000	1000~10000MHz @ -39.04dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26691	1@0	0.009	0.15	0.009~0.15MHz @ -65.06dBm	-33	PASS
Band26	Stand-Alone	15kHz	BPSK	26691	1@0	0.15	30	0.15~30MHz @ -70.4dBm	-23	PASS
Band26	Stand-Alone	15kHz	BPSK	26691	1@0	30	1000	30~1000MHz @ -59.06dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26691	1@0	1000	10000	1000~10000MHz @ -39.11dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26691	1@11	0.009	0.15	0.009~0.15MHz @ -67.28dBm	-33	PASS
Band26	Stand-Alone	15kHz	BPSK	26691	1@11	0.15	30	0.15~30MHz @ -70.05dBm	-23	PASS

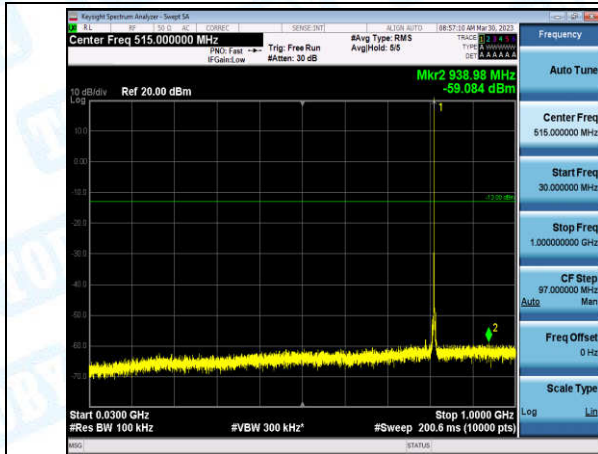
Band26	Stand-Alone	15kHz	BPSK	26691	1@11	30	1000	30~100 0MHz @-58.6 5dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26691	1@11	1000	1000 0	1000~1 0000M Hz@-3 9.26dB m	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	1@0	0.009	0.15	0.009~ 0.15MH z@-65. 64dBm	-33	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	1@0	0.15	30	0.15~3 0MHz @-72.0 7dBm	-23	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	1@0	30	1000	30~100 0MHz @-59.5 7dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	1@0	1000	1000 0	1000~1 0000M Hz@-3 9.4dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	1@11	0.009	0.15	0.009~ 0.15MH z@-67. 22dBm	-33	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	1@11	0.15	30	0.15~3 0MHz @-70.1 6dBm	-23	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	1@11	30	1000	30~100 0MHz @-59.5 5dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26740	1@11	1000	1000 0	1000~1 0000M Hz@-3 9.18dB m	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26783	1@0	0.009	0.15	0.009~ 0.15MH z@-64.	-33	PASS

								92dBm		
Band26	Stand-Alone	15kHz	BPSK	26783	1@0	0.15	30	0.15~30MHz @-67.65dBm	-23	PASS
Band26	Stand-Alone	15kHz	BPSK	26783	1@0	30	1000	30~1000MHz @-58.73dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26783	1@0	1000	10000	1000~10000MHz @-39.3dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26783	1@11	0.009	0.15	0.009~0.15MHz @-64.26dBm	-33	PASS
Band26	Stand-Alone	15kHz	BPSK	26783	1@11	0.15	30	0.15~30MHz @-70.06dBm	-23	PASS
Band26	Stand-Alone	15kHz	BPSK	26783	1@11	30	1000	30~1000MHz @-58.87dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26783	1@11	1000	10000	1000~10000MHz @-39.11dBm	-13	PASS
Band26	Stand-Alone	15kHz	QPSK	26691	12@0	0.009	0.15	0.009~0.15MHz @-65.12dBm	-33	PASS
Band26	Stand-Alone	15kHz	QPSK	26691	12@0	0.15	30	0.15~30MHz @-72.32dBm	-23	PASS
Band26	Stand-Alone	15kHz	QPSK	26691	12@0	30	1000	30~1000MHz @-58.62dBm	-13	PASS
Band26	Stand-Alone	15kHz	QPSK	26691	12@0	1000	10000	1000~10000MHz	-13	PASS

								Hz@-3 8.58dB m		
Band26	Stand-Alo ne	15kHz	QPSK	26740	12@0	0.009	0.15	0.009~ 0.15MH z@-64. 38dBm	-33	PASS
Band26	Stand-Alo ne	15kHz	QPSK	26740	12@0	0.15	30	0.15~3 0MHz @-68.5 dBm	-23	PASS
Band26	Stand-Alo ne	15kHz	QPSK	26740	12@0	30	1000	30~100 0MHz @-59.2 4dBm	-13	PASS
Band26	Stand-Alo ne	15kHz	QPSK	26740	12@0	1000	1000 0	1000~1 0000M Hz@-3 9.4dBm	-13	PASS
Band26	Stand-Alo ne	15kHz	QPSK	26783	12@0	0.009	0.15	0.009~ 0.15MH z@-67. 29dBm	-33	PASS
Band26	Stand-Alo ne	15kHz	QPSK	26783	12@0	0.15	30	0.15~3 0MHz @-68.6 8dBm	-23	PASS
Band26	Stand-Alo ne	15kHz	QPSK	26783	12@0	30	1000	30~100 0MHz @-59.5 9dBm	-13	PASS
Band26	Stand-Alo ne	15kHz	QPSK	26783	12@0	1000	1000 0	1000~1 0000M Hz@-3 9.35dB m	-13	PASS

5.2 Test Graphs

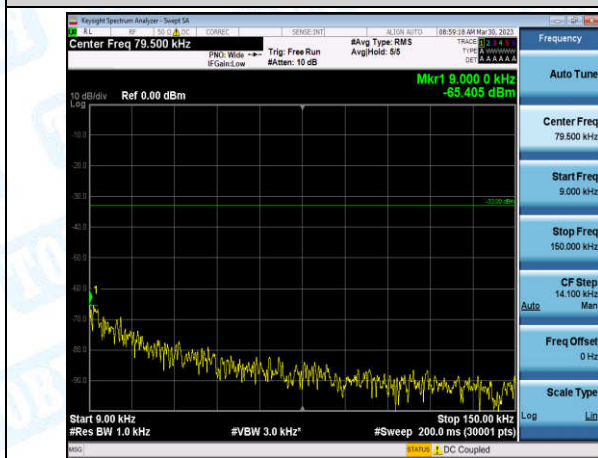




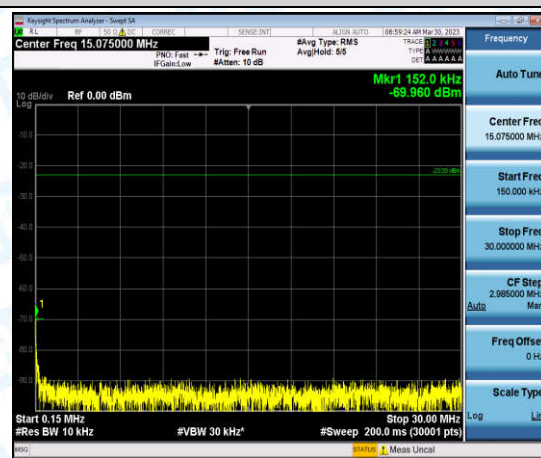
Band26-Stand-Alone-NaN-QPSK-26691-1@47-3.75kHz-30-1000-30-1000MHz@-59.08dBm--13-PASS



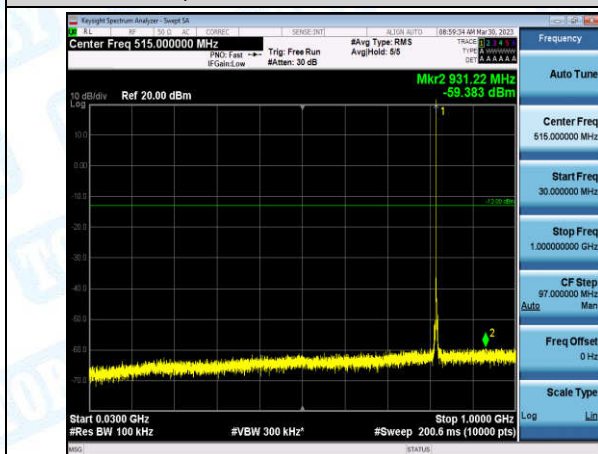
Band26-Stand-Alone-NaN-QPSK-26691-1@47-3.75kHz-1000-10000-1000-10000MHz@-39.13dBm--13-PASS



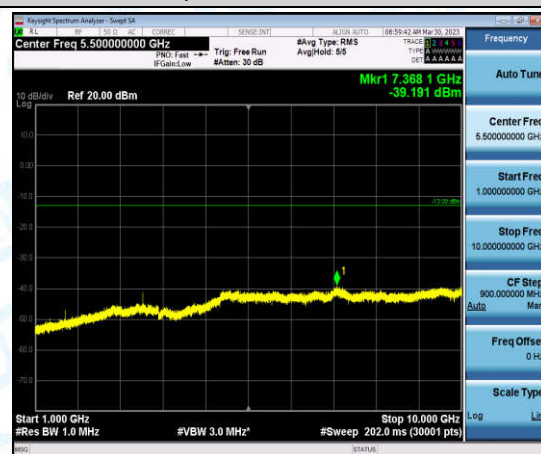
Band26-Stand-Alone-NaN-QPSK-26740-1@0-3.75kHz-0.009-0.15-0.009-0.15MHz@-65.41dBm--33-PASS



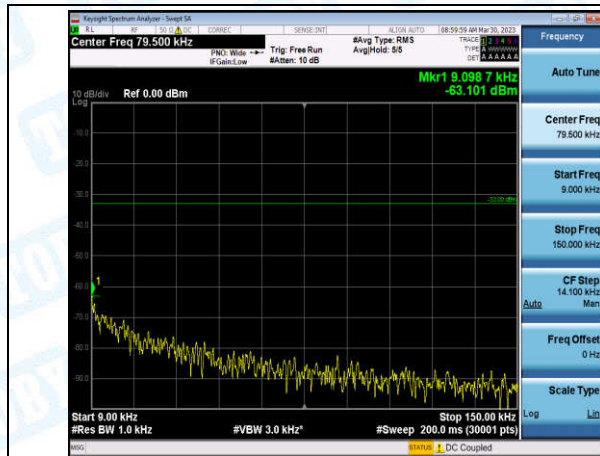
Band26-Stand-Alone-NaN-QPSK-26740-1@0-3.75kHz-0.15-30-0.15-30MHz@-69.96dBm--23-PASS



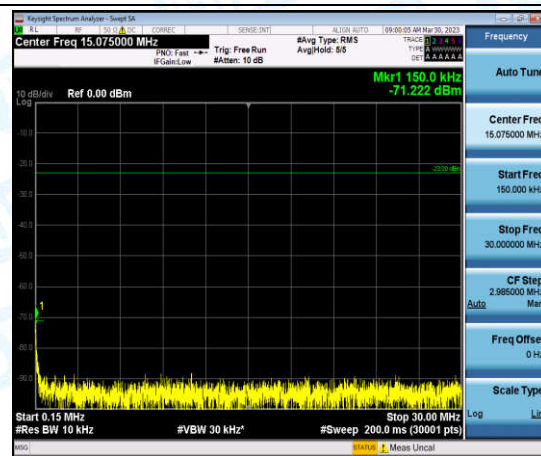
Band26-Stand-Alone-NaN-QPSK-26740-1@0-3.75kHz-30-1000-30-1000MHz@-59.38dBm--13-PASS



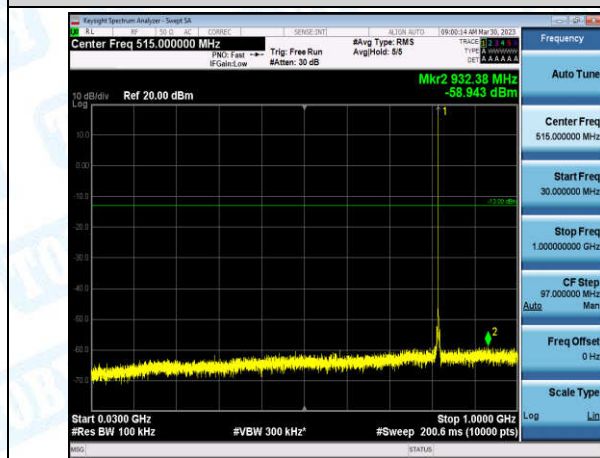
Band26-Stand-Alone-NaN-QPSK-26740-1@0-3.75kHz-1000-10000-1000-10000MHz@-39.19dBm--13-PASS



Band26-Stand-Alone-NaN-QPSK-26740-1@47-3.75kHz-0.009-0.15-0.009-0.15MHz@-63.1dBm--33-PASS



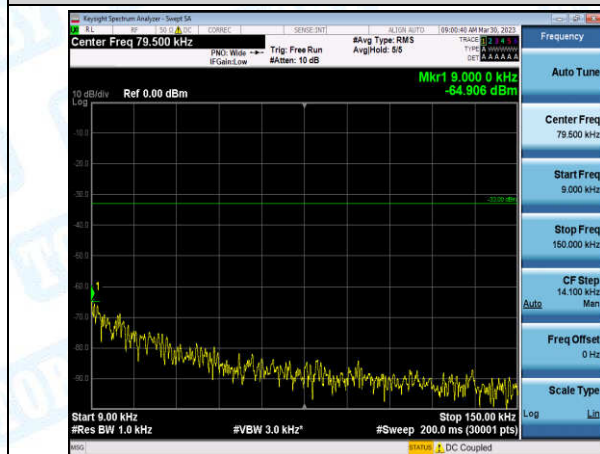
Band26-Stand-Alone-NaN-QPSK-26740-1@47-3.75kHz-0.15-30-0.15-30MHz@-71.22dBm--23-PASS



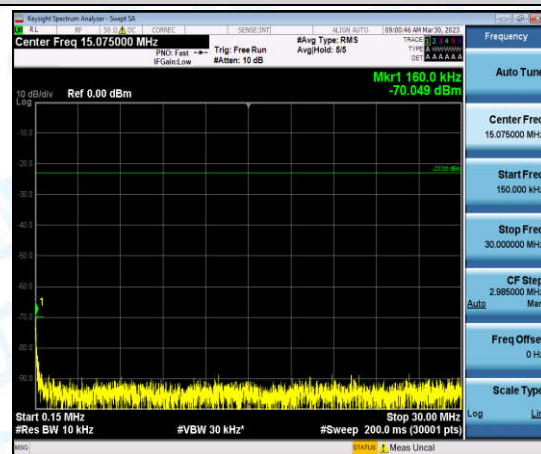
Band26-Stand-Alone-NaN-QPSK-26740-1@47-3.75kHz-30-1000-30-1000MHz@-58.94dBm--13-PASS



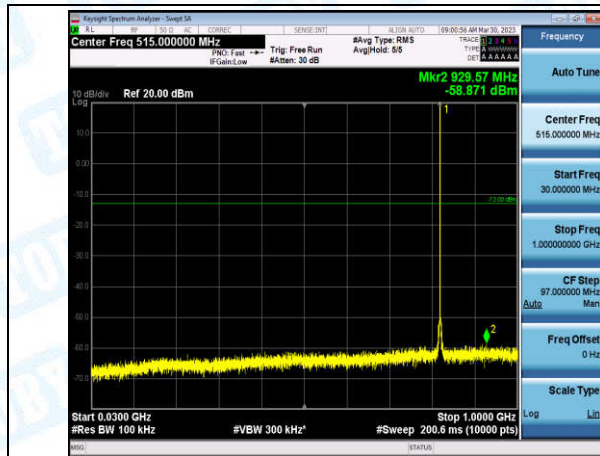
Band26-Stand-Alone-NaN-QPSK-26740-1@47-3.75kHz-1000-10000-1000-10000MHz@-39.36dBm--13-PASS



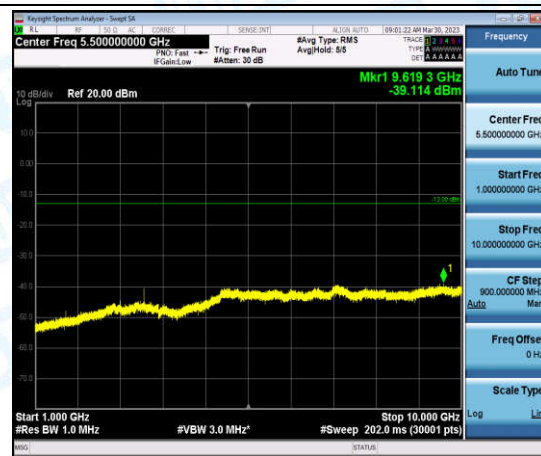
Band26-Stand-Alone-NaN-QPSK-26783-1@0-3.75kHz-0.009-0.15-0.009-0.15MHz@-64.91dBm--33-PASS



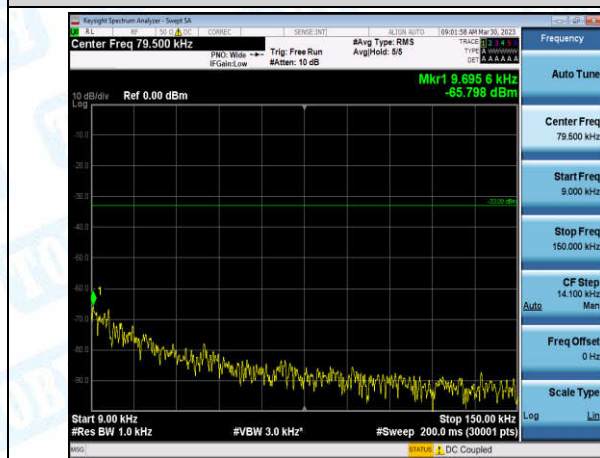
Band26-Stand-Alone-NaN-QPSK-26783-1@0-3.75kHz-0.15-30-0.15-30MHz@-70.05dBm--23-PASS



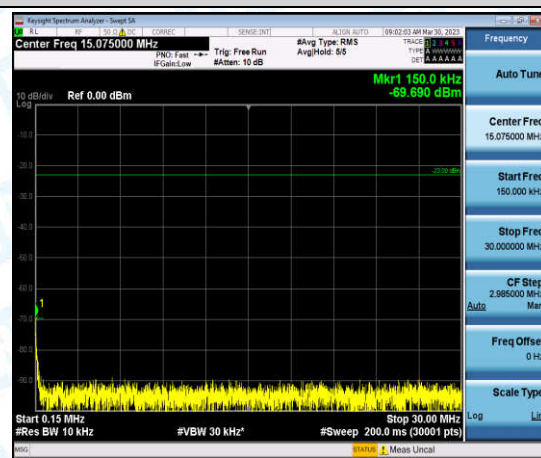
Band26-Stand-Alone-Na-N-QPSK-26783-1@0-3.75kHz-30-1000-30-1000MHz@-58.87dBm--13-PASS



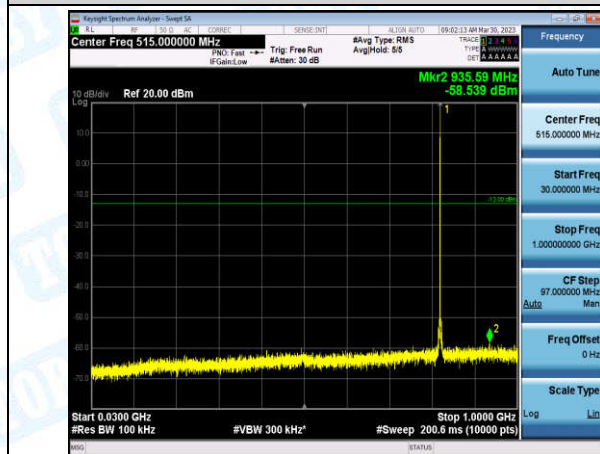
Band26-Stand-Alone-Na-N-QPSK-26783-1@0-3.75kHz-1000-10000-1000-10000MHz@-39.11dBm--13-PASS



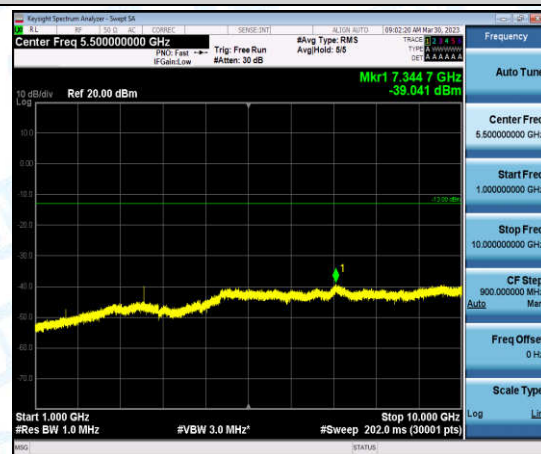
Band26-Stand-Alone-Na-N-QPSK-26783-1@47-3.75kHz-0.009-0.15-0.009-0.15MHz@-65.8dBm--33-PASS



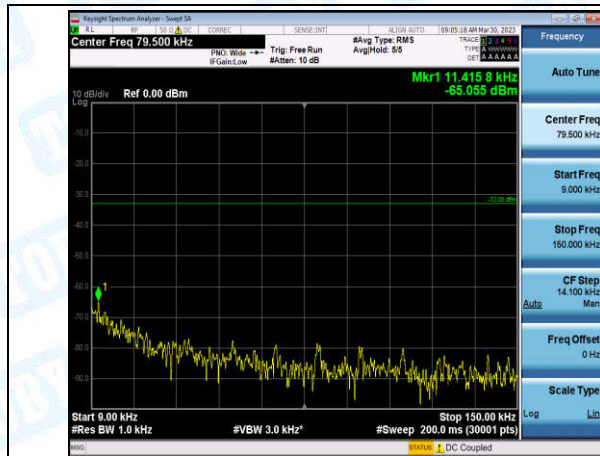
Band26-Stand-Alone-Na-N-QPSK-26783-1@47-3.75kHz-0.15-30-0.15-30MHz@-69.69dBm--23-PASS



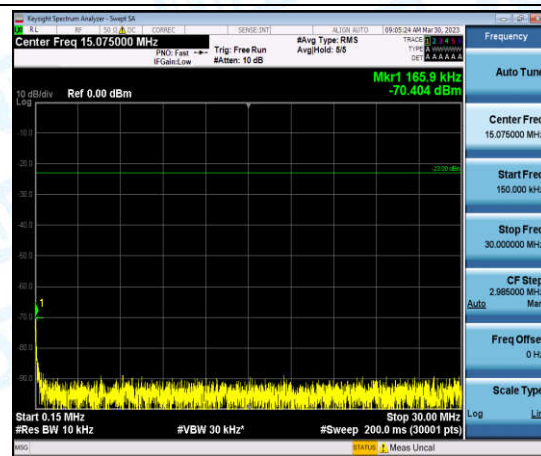
Band26-Stand-Alone-Na-N-QPSK-26783-1@47-3.75kHz-30-1000-30-1000MHz@-58.54dBm--13-PASS



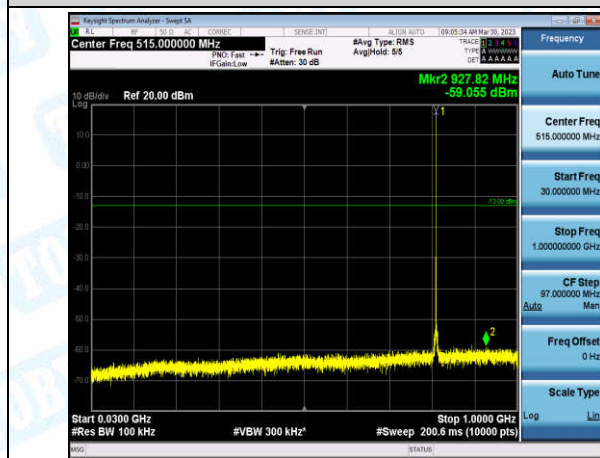
Band26-Stand-Alone-Na-N-QPSK-26783-1@47-3.75kHz-1000-10000-1000-10000MHz@-39.04dBm--13-PASS



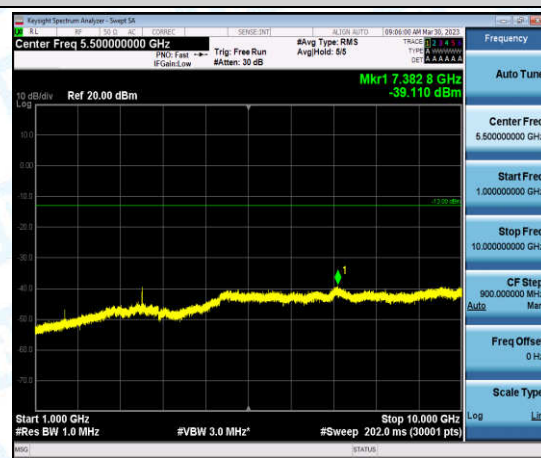
Band26-Stand-Alone-NaN-BPSK-26691-1@0-15kHz-0.009-0.15-0.009-0.15MHz@-65.06dBm--33-PASS



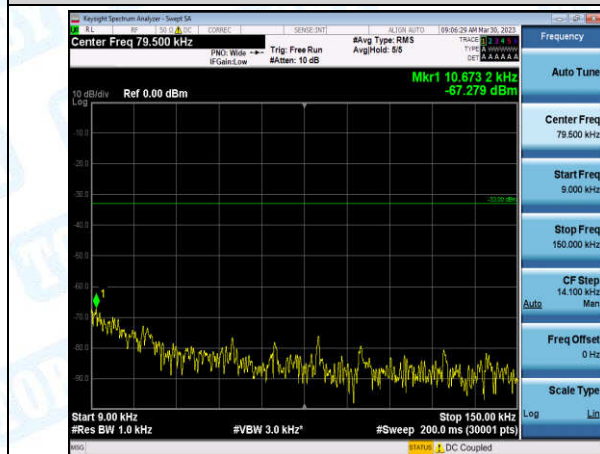
Band26-Stand-Alone-NaN-BPSK-26691-1@0-15kHz-0.15-30-0.15-30MHz@-70.4dBm--23-PASS



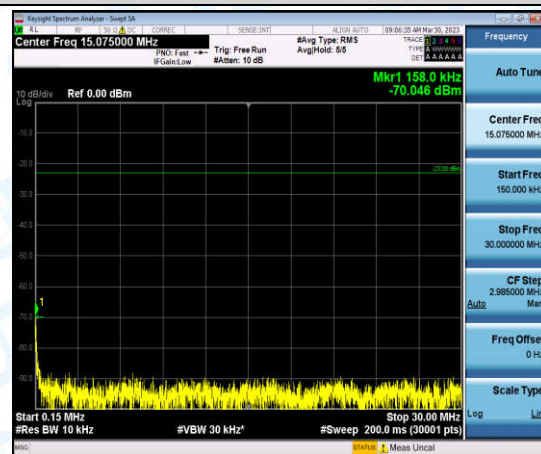
Band26-Stand-Alone-NaN-BPSK-26691-1@0-15kHz-30-1000-30-1000MHz@-59.06dBm--13-PASS



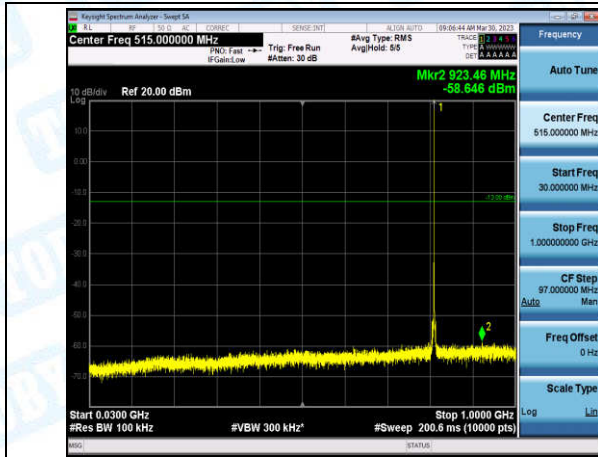
Band26-Stand-Alone-NaN-BPSK-26691-1@0-15kHz-1000-10000-1000-10000MHz@-39.11dBm--13-PASS



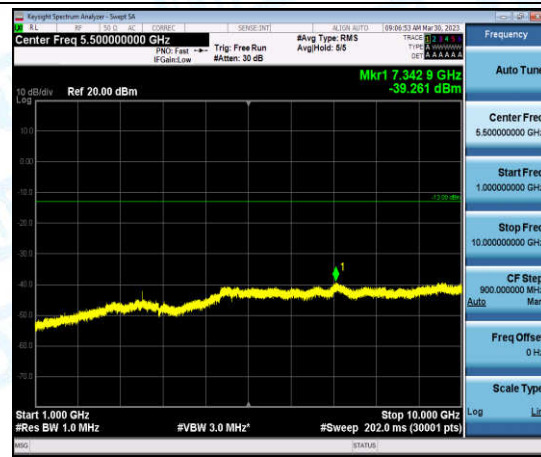
Band26-Stand-Alone-NaN-BPSK-26691-1@11-15kHz-0.009-0.15-0.009-0.15MHz@-67.28dBm--33-PASS



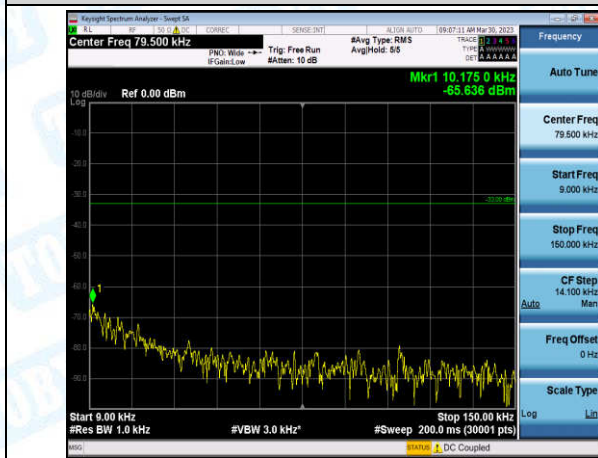
Band26-Stand-Alone-NaN-BPSK-26691-1@11-15kHz-0.15-30-0.15-30MHz@-70.05dBm--23-PASS



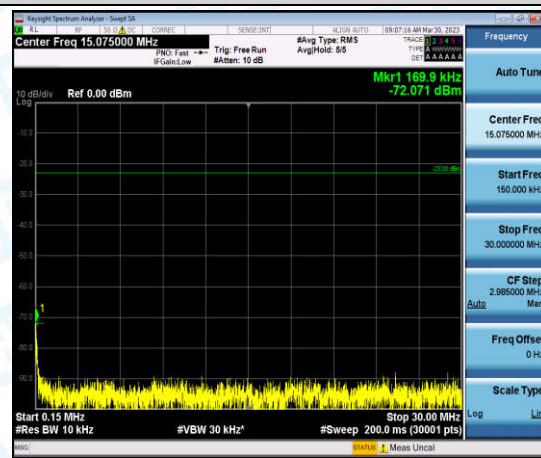
Band26-Stand-Alone-NaN-BPSK-26691-1@11-15kHz-30-1000-30-1000MHz@-58.65dBm--13-PASS



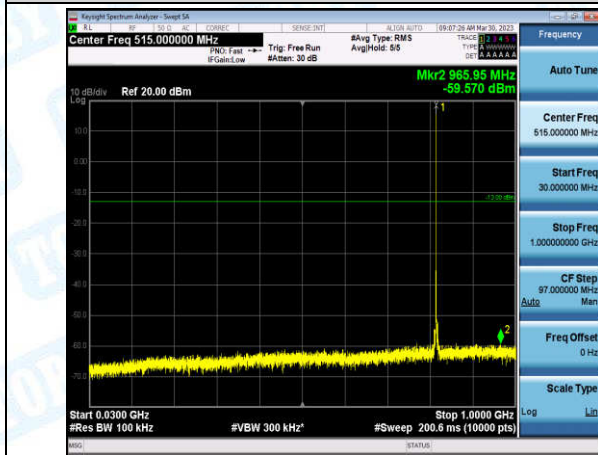
Band26-Stand-Alone-NaN-BPSK-26691-1@11-15kHz-1000-10000-1000-10000MHz@-39.26dBm--13-PASS



Band26-Stand-Alone-NaN-BPSK-26740-1@0-15kHz-0.009-0.15-0.009-0.15MHz@-65.64dBm--33-PASS



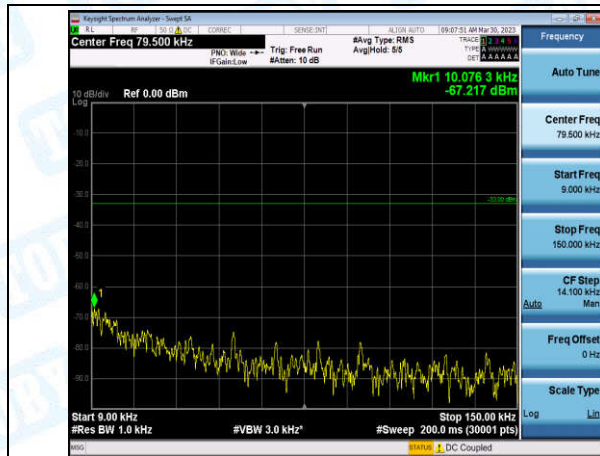
Band26-Stand-Alone-NaN-BPSK-26740-1@0-15kHz-0.15-30-0.15-30MHz@-72.07dBm--23-PASS



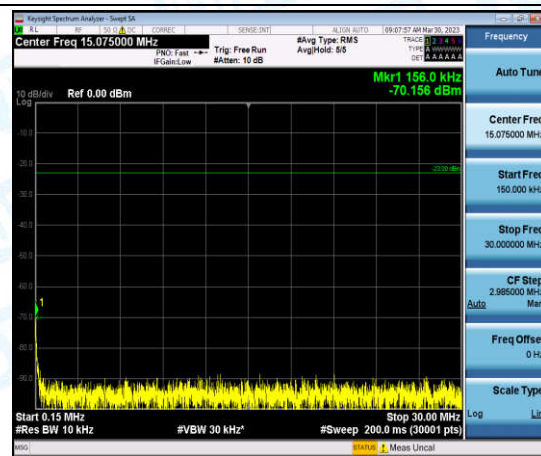
Band26-Stand-Alone-NaN-BPSK-26740-1@0-15kHz-30-1000-30-1000MHz@-59.57dBm--13-PASS



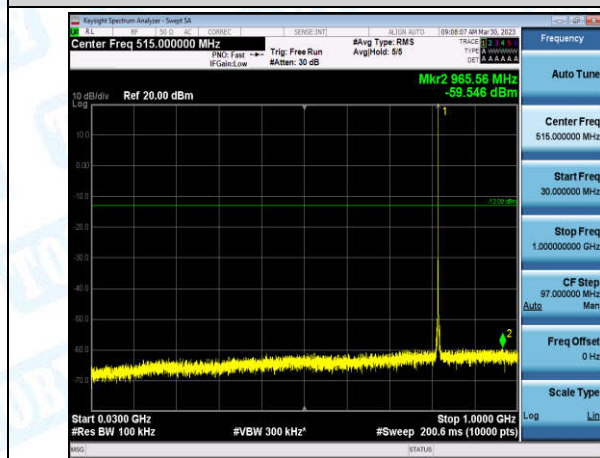
Band26-Stand-Alone-NaN-BPSK-26740-1@0-15kHz-1000-10000-1000-10000MHz@-39.4dBm--13-PASS



Band26-Stand-Alone-NaN-BPSK-26740-1@11-15kHz-0.009-0.15-0.009-0.15MHz@-67.22dBm--33-PASS



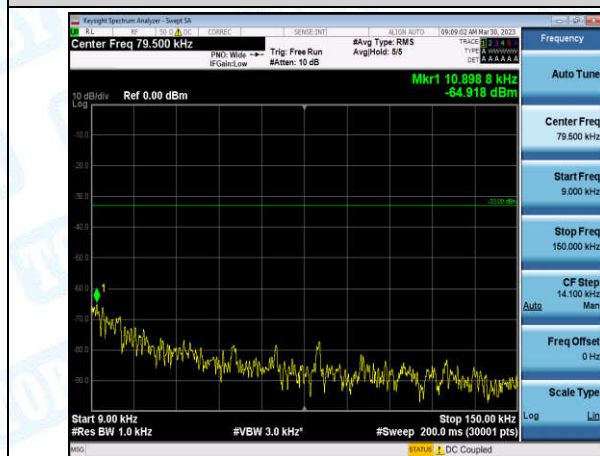
Band26-Stand-Alone-NaN-BPSK-26740-1@11-15kHz-0.15-30-0.15-30MHz@-70.16dBm--23-PASS



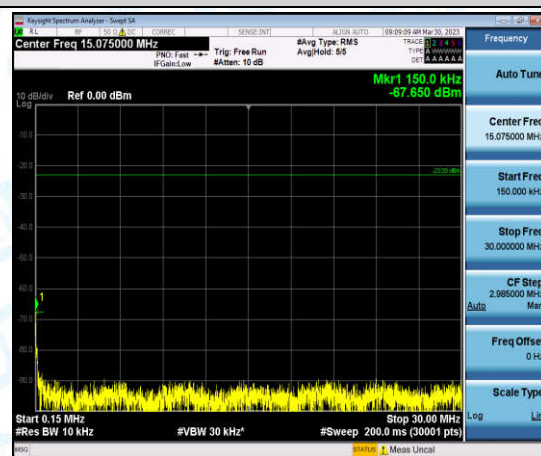
Band26-Stand-Alone-NaN-BPSK-26740-1@11-15kHz-30-1000-30-1000MHz@-59.55dBm--13-PASS



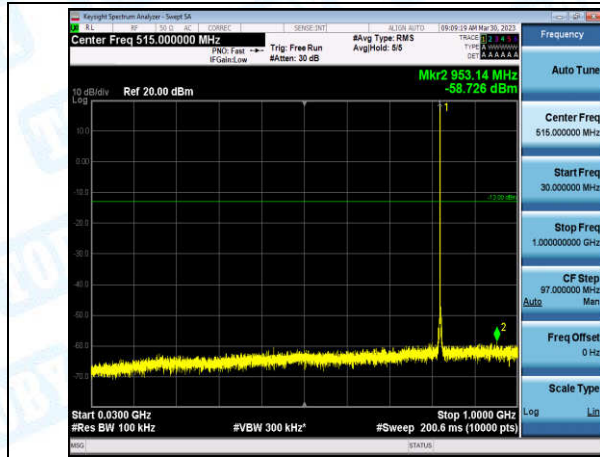
Band26-Stand-Alone-NaN-BPSK-26740-1@11-15kHz-1000-10000-1000-10000MHz@-39.18dBm--13-PASS



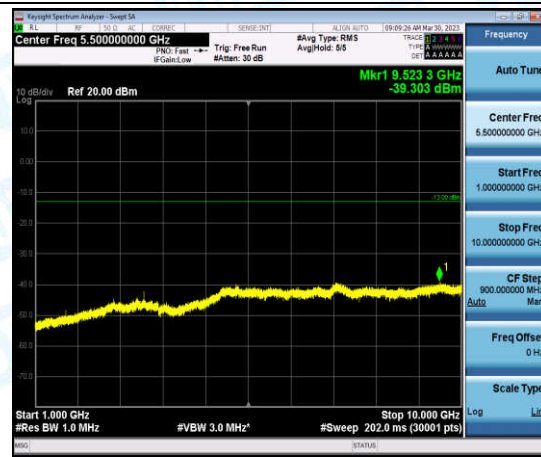
Band26-Stand-Alone-NaN-BPSK-26783-1@0-15kHz-0.009-0.15-0.009-0.15MHz@-64.92dBm--33-PASS



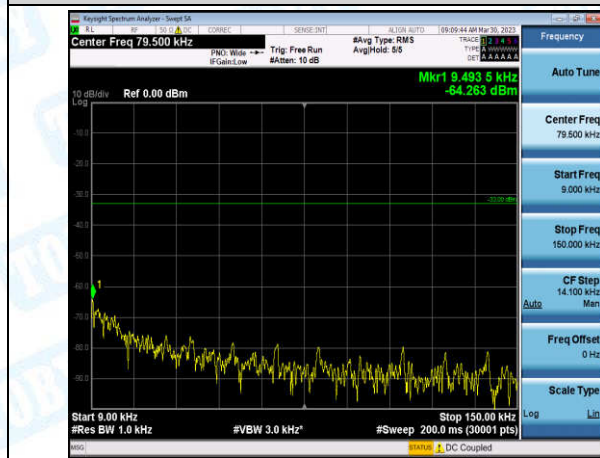
Band26-Stand-Alone-NaN-BPSK-26783-1@0-15kHz-0.15-30-0.15-30MHz@-67.65dBm--23-PASS



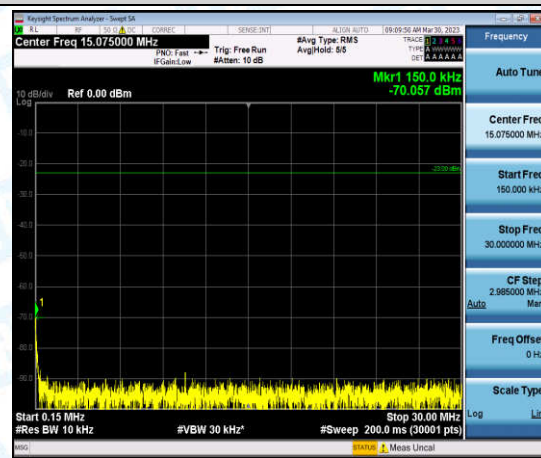
Band26-Stand-Alone-NaN-BPSK-26783-1@0-15kHz-30-1000-30-1000MHz@-58.73dBm--13-PASS



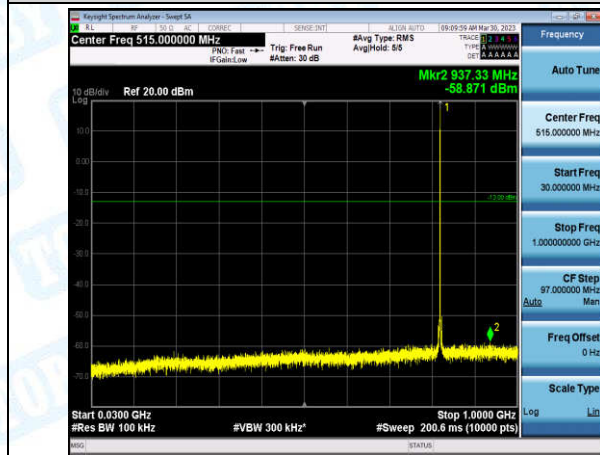
Band26-Stand-Alone-NaN-BPSK-26783-1@0-15kHz-1000-10000-1000-10000MHz@-39.3dBm--13-PASS



Band26-Stand-Alone-NaN-BPSK-26783-1@11-15kHz-0.009-0.15-0.009-0.15MHz@-64.26dBm--13-PASS



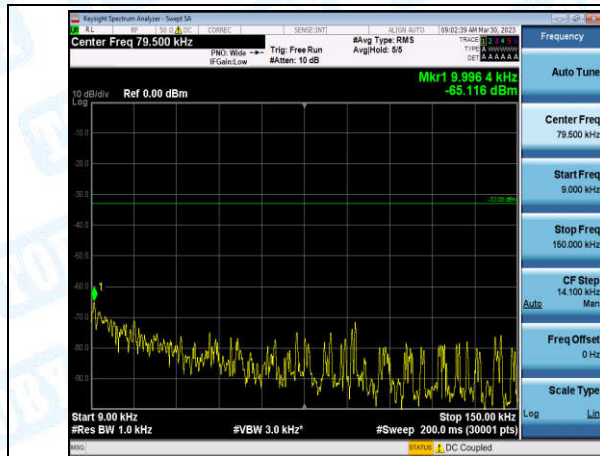
Band26-Stand-Alone-NaN-BPSK-26783-1@11-15kHz-0.15-30-0.15-30MHz@-70.06dBm--23-PASS



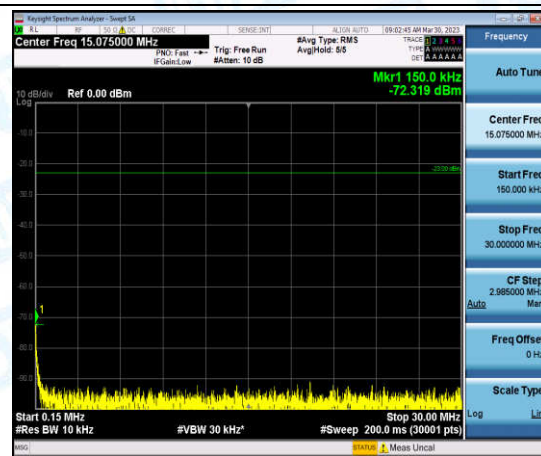
Band26-Stand-Alone-NaN-BPSK-26783-1@11-15kHz-30-1000-30-1000MHz@-58.87dBm--13-PASS



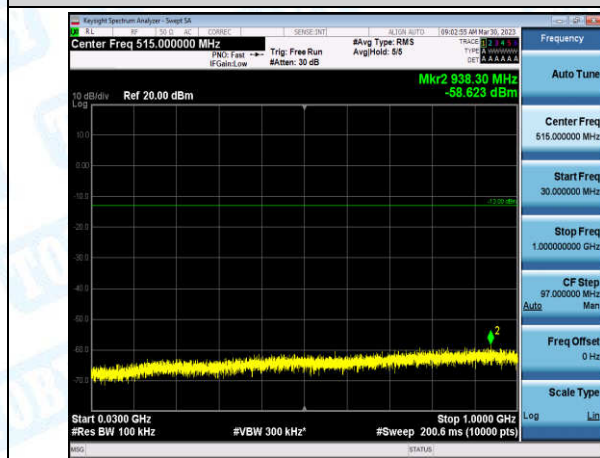
Band26-Stand-Alone-NaN-BPSK-26783-1@11-15kHz-1000-10000-1000-10000MHz@-39.11dBm--13-PASS



Band26-Stand-Alone-NaN-QPSK-26691-12@0-15kHz-0.009-0.15-0.009-0.15MHz@-65.116dBm--33-PASS



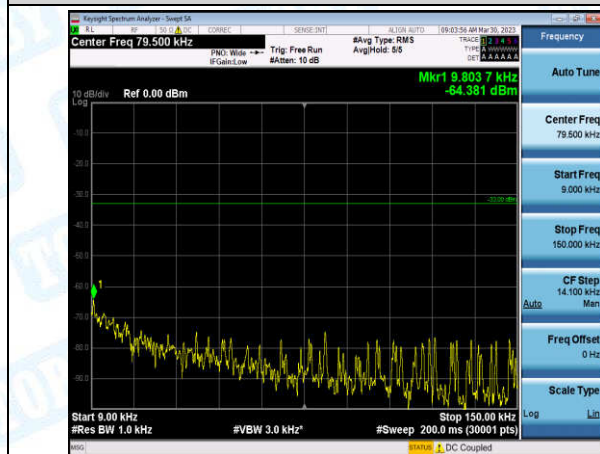
Band26-Stand-Alone-NaN-QPSK-26691-12@0-15kHz-0.15-30-0.15-30MHz@-72.319dBm--23-PASS



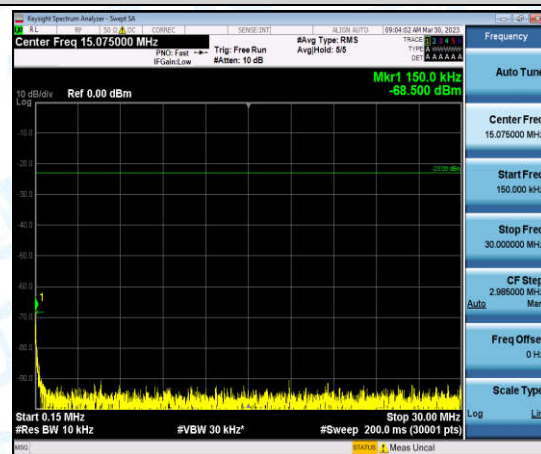
Band26-Stand-Alone-NaN-QPSK-26691-12@0-15kHz-30-1000-30-1000MHz@-58.623dBm--13-PASS



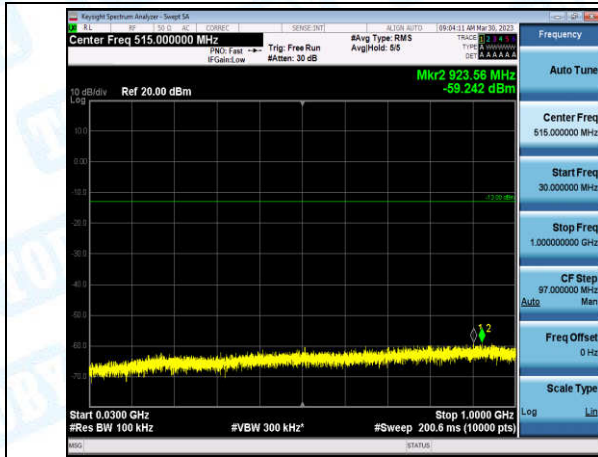
Band26-Stand-Alone-NaN-QPSK-26691-12@0-15kHz-1000-10000-1000-10000MHz@-38.582dBm--13-PASS



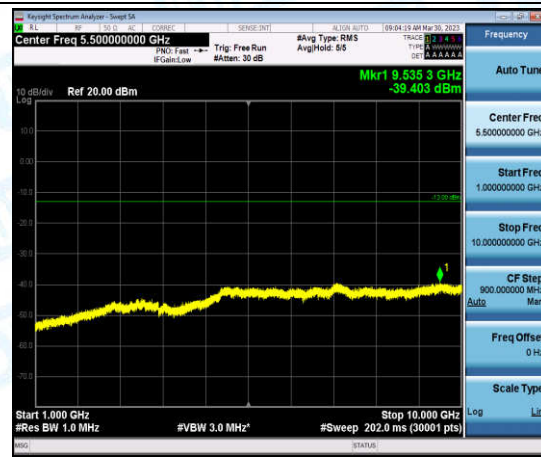
Band26-Stand-Alone-NaN-QPSK-26740-12@0-15kHz-0.009-0.15-0.009-0.15MHz@-64.381dBm--33-PASS



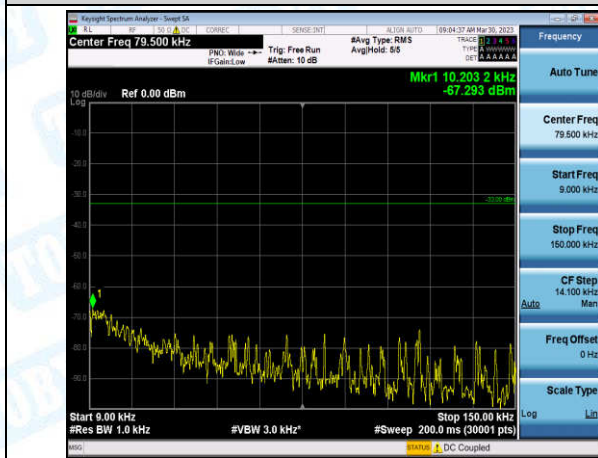
Band26-Stand-Alone-NaN-QPSK-26740-12@0-15kHz-0.15-30-0.15-30MHz@-68.5dBm--23-PASS



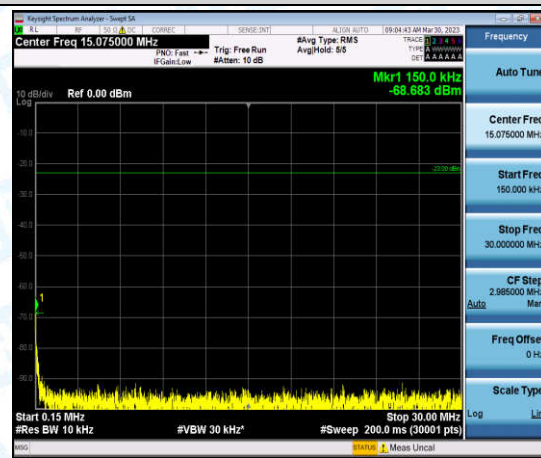
Band26-Stand-Alone-Na-N-QPSK-26740-12@0-15kHz-30-1000-30-1000MHz@-59.24dBm--13-PASS



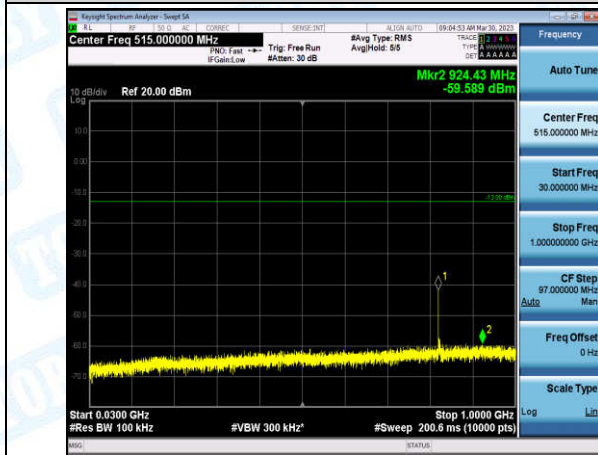
Band26-Stand-Alone-Na-N-QPSK-26740-12@0-15kHz-1000-10000-1000-10000MHz@-39.4dBm--13-PASS



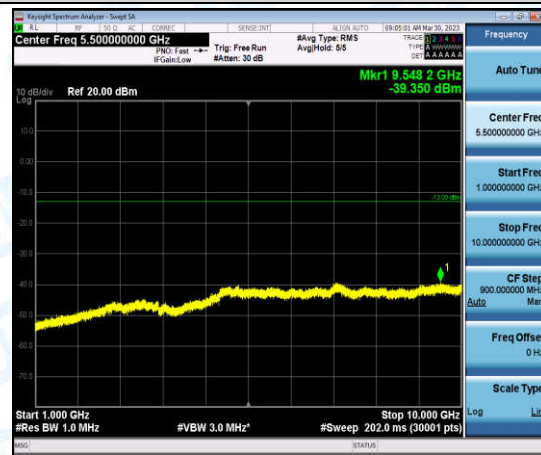
Band26-Stand-Alone-Na-N-QPSK-26783-12@0-15kHz-0.009-0.15-0.009-0.15MHz@-67.29dBm--33-PASS



Band26-Stand-Alone-Na-N-QPSK-26783-12@0-15kHz-0.15-30-0.15-30MHz@-68.68dBm--23-PASS



Band26-Stand-Alone-Na-N-QPSK-26783-12@0-15kHz-30-1000-30-1000MHz@-59.59dBm--13-PASS



Band26-Stand-Alone-Na-N-QPSK-26783-12@0-15kHz-1000-10000-1000-10000MHz@-39.35dBm--13-PASS

6: Frequency Stability for NB1

6.1 Test Result

Band	OpMode	Bandwidth	Modulation	Channel	Tones	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	VH	NT	-4.07	-0.004866	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	VL	NT	11.96	0.014298	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	VN	NT	9.74	0.011644	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@47	VH	NT	6.87	0.008213	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@47	VL	NT	4.06	0.004854	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@47	VN	NT	-4.55	-0.005439	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@0	VH	NT	-3.14	-0.003754	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@0	VL	NT	7.22	0.008631	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@0	VN	NT	6.50	0.007770	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@11	VH	NT	3.81	0.004555	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@11	VL	NT	4.98	0.005953	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@11	VN	NT	-4.40	-0.005260	±2.5	PASS

Band	OpMode	Bandwidth	Modulation	Channel	Tones	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	NV	60	-10.11	-0.012086	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	NV	-20	7.98	0.009540	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	NV	-10	10.16	0.012146	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	NV	0	5.82	0.006958	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	NV	10	8.30	0.009922	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	NV	20	-10.90	-0.013030	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	NV	30	6.42	0.007675	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	NV	40	8.95	0.010699	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@0	NV	-30	4.60	0.005499	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@47	NV	30	6.32	0.007555	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@47	NV	20	3.62	0.004328	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@47	NV	10	6.73	0.008045	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@47	NV	0	4.92	0.005882	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@47	NV	-10	1.80	0.002152	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@47	NV	40	8.47	0.010126	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@47	NV	-30	9.16	0.010950	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@47	NV	60	5.25	0.006276	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26740	1@47	NV	-20	-6.70	-0.008010	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@0	NV	60	-3.43	-0.004100	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@0	NV	-20	5.12	0.006121	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@0	NV	-10	-8.72	-0.010424	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@0	NV	0	-4.47	-0.005344	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@0	NV	10	-4.25	-0.005081	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@0	NV	20	3.46	0.004136	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@0	NV	30	4.84	0.005786	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@0	NV	40	-8.34	-0.009970	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@0	NV	-30	4.39	0.005248	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@11	NV	40	-10.90	-0.013030	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@11	NV	30	-5.75	-0.006874	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@11	NV	20	-6.27	-0.007496	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@11	NV	10	-7.06	-0.008440	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@11	NV	0	-11.11	-0.013282	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@11	NV	-10	6.42	0.007675	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@11	NV	-30	4.58	0.005475	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@11	NV	60	-7.64	-0.009133	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26740	1@11	NV	-20	3.77	0.004507	±2.5	PASS

Band	OpMode	Bandwidth	Modulation	Channel	Tones	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@0	NV	60	10.91	0.013042	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@0	NV	-20	4.64	0.005547	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@0	NV	-10	9.05	0.010819	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@0	NV	0	10.77	0.012875	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@0	NV	10	3.44	0.004112	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@0	NV	20	6.92	0.008273	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@0	NV	30	-11.77	-0.014071	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@0	NV	40	7.50	0.008966	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@0	NV	-30	-4.82	-0.005762	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@47	NV	30	10.37	0.012397	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@47	NV	20	6.43	0.007687	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@47	NV	10	2.97	0.003551	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@47	NV	0	-6.21	-0.007424	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@47	NV	-10	-8.04	-0.009611	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@47	NV	40	7.30	0.008727	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@47	NV	-30	6.26	0.007484	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@47	NV	60	10.21	0.012206	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@47	NV	-20	10.11	0.012086	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@0	NV	60	-20.63	-0.024662	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@0	NV	-20	5.64	0.006742	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@0	NV	-10	5.76	0.006886	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@0	NV	0	6.41	0.007663	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@0	NV	10	8.47	0.010126	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@0	NV	20	8.04	0.009611	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@0	NV	30	-15.67	-0.018733	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@0	NV	40	-7.11	-0.008500	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@0	NV	-30	4.30	0.005140	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@11	NV	40	7.65	0.009145	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@11	NV	30	6.90	0.008249	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@11	NV	20	5.86	0.007005	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@11	NV	10	8.30	0.009922	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@11	NV	0	7.50	0.008966	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@11	NV	-10	5.98	0.007149	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@11	NV	-30	-6.11	-0.007304	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@11	NV	60	4.58	0.005475	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@11	NV	-20	6.71	0.008022	±2.5	PASS

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