

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°C
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-202305-0005-81 . The report only show the worst case data.	

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1: Conducted Power Output Data for NB1

1.1 Test Result

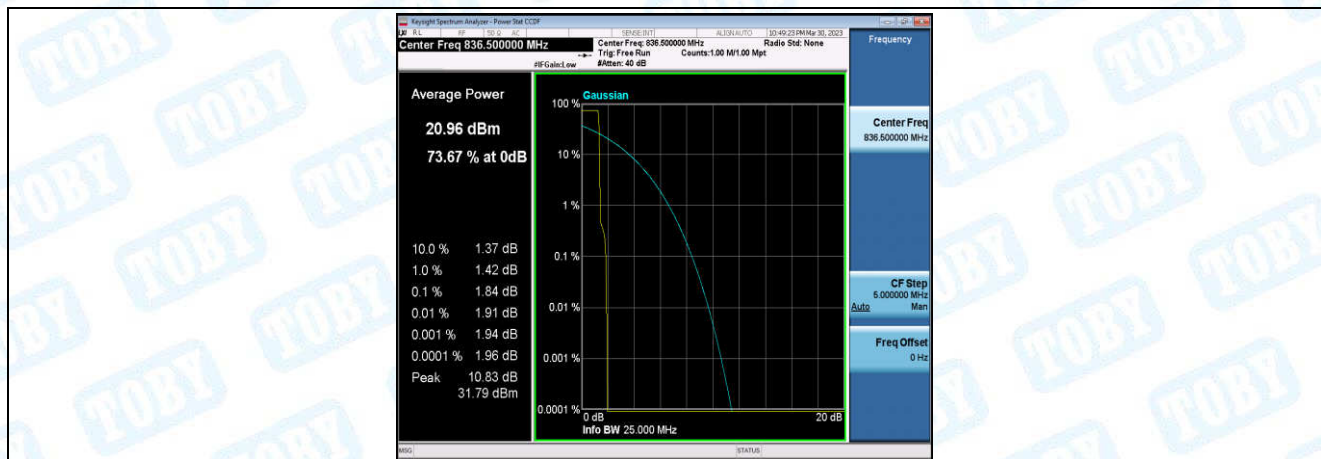
Band	OpMode	BW	Modu	Channel	Tones	Result (dBm)	Verdict
Band26	Stand-Alone	3.75kHz	BPSK	26791	1@0	23.57	PASS
Band26	Stand-Alone	3.75kHz	BPSK	26791	1@47	23.54	PASS
Band26	Stand-Alone	3.75kHz	BPSK	26915	1@0	23.54	PASS
Band26	Stand-Alone	3.75kHz	BPSK	26915	1@47	23.61	PASS
Band26	Stand-Alone	3.75kHz	BPSK	27039	1@0	23.42	PASS
Band26	Stand-Alone	3.75kHz	BPSK	27039	1@47	23.35	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26791	1@0	23.57	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26791	1@47	23.50	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@0	23.58	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@47	23.51	PASS
Band26	Stand-Alone	3.75kHz	QPSK	27039	1@0	23.43	PASS
Band26	Stand-Alone	3.75kHz	QPSK	27039	1@47	23.35	PASS
Band26	Stand-Alone	15kHz	BPSK	26791	1@0	23.58	PASS
Band26	Stand-Alone	15kHz	BPSK	26791	1@11	23.48	PASS
Band26	Stand-Alone	15kHz	BPSK	26791	3@3	23.67	PASS
Band26	Stand-Alone	15kHz	BPSK	26915	1@0	22.92	PASS
Band26	Stand-Alone	15kHz	BPSK	26915	1@11	23.17	PASS
Band26	Stand-Alone	15kHz	BPSK	26915	3@3	23.58	PASS
Band26	Stand-Alone	15kHz	BPSK	27039	1@0	22.91	PASS
Band26	Stand-Alone	15kHz	BPSK	27039	1@11	22.87	PASS
Band26	Stand-Alone	15kHz	BPSK	27039	3@3	23.33	PASS
Band26	Stand-Alone	15kHz	QPSK	26791	1@0	23.61	PASS
Band26	Stand-Alone	15kHz	QPSK	26791	1@11	23.49	PASS
Band26	Stand-Alone	15kHz	QPSK	26791	3@3	23.60	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@0	22.67	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@11	23.05	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	3@3	23.62	PASS
Band26	Stand-Alone	15kHz	QPSK	27039	1@0	22.92	PASS
Band26	Stand-Alone	15kHz	QPSK	27039	1@11	22.92	PASS
Band26	Stand-Alone	15kHz	QPSK	27039	3@3	23.38	PASS

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

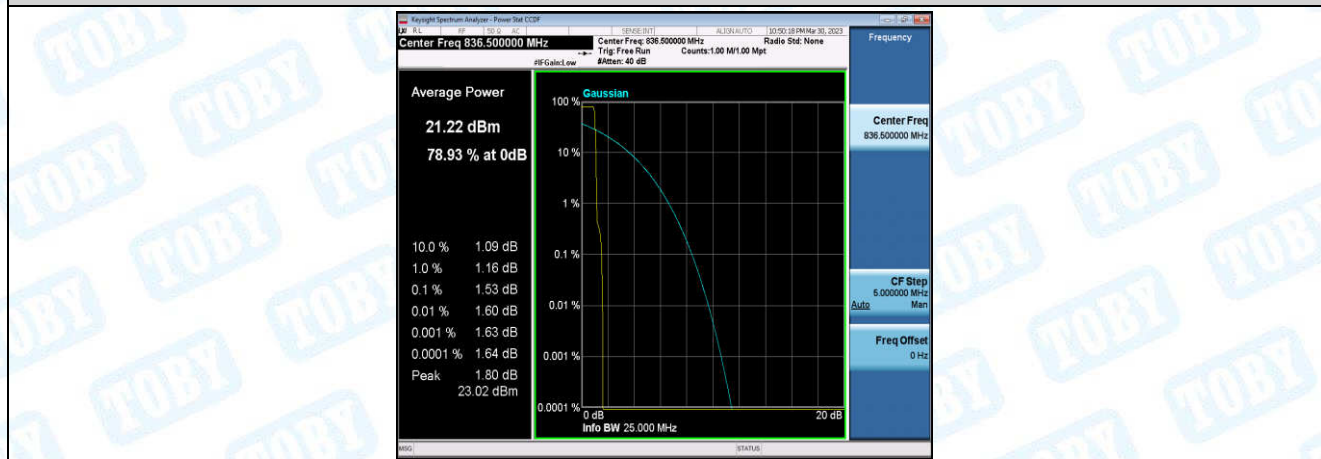
2.1 Test Result

Band	OpMode	BW	Modu	Channel	Tones	Result (dBm)	Limit (dBm)	Verdict
Band26	Stand-Alone	3.75kHz	BPSK	26915	1@0	1.84	<=13	PASS
Band26	Stand-Alone	3.75kHz	BPSK	26915	1@47	1.53	<=13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@0	2.19	<=13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@47	2.42	<=13	PASS
Band26	Stand-Alone	15kHz	BPSK	26915	1@0	4.7	<=13	PASS
Band26	Stand-Alone	15kHz	BPSK	26915	1@11	3.52	<=13	PASS
Band26	Stand-Alone	15kHz	BPSK	26915	3@3	9.37	<=13	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@0	6.87	<=13	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@11	8.79	<=13	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	3@3	8.82	<=13	PASS

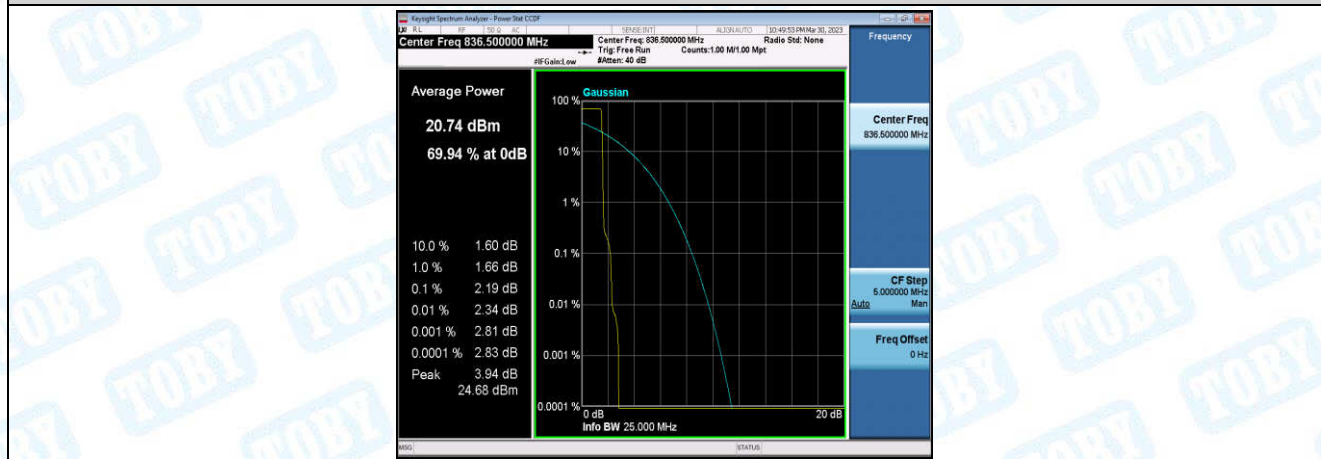
2.2 Test Graphs



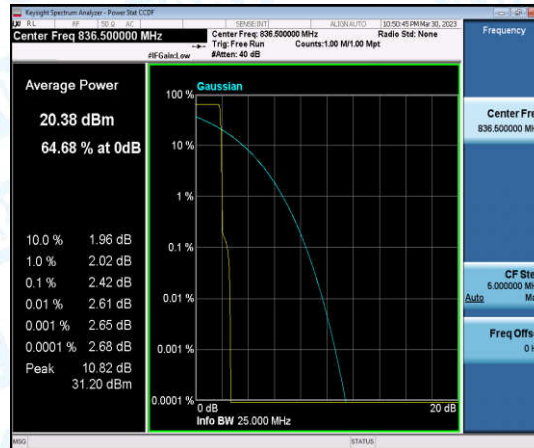
Band26-Stand-Alone-NaN-BPSK-26915-1@0-3.75kHz-1.84-<=13-PASS



Band26-Stand-Alone-NaN-BPSK-26915-1@47-3.75kHz-1.53-<=13-PASS



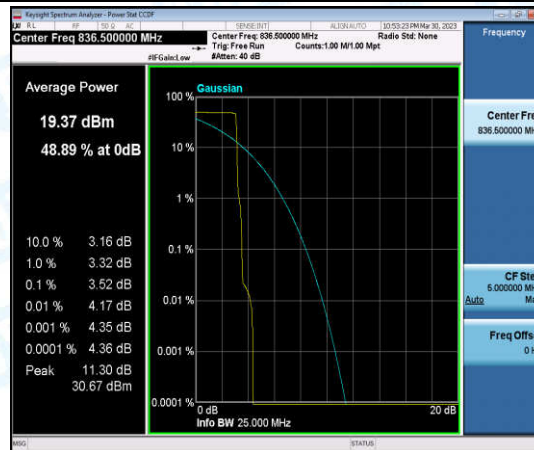
Band26-Stand-Alone-NaN-QPSK-26915-1@0-3.75kHz-2.19-<=13-PASS



Band26-Stand-Alone-NaN-QPSK-26915-1@47-3.75kHz-2.42-<=13-PASS



Band26-Stand-Alone-NaN-BPSK-26915-1@0-15kHz-4.7-<=13-PASS



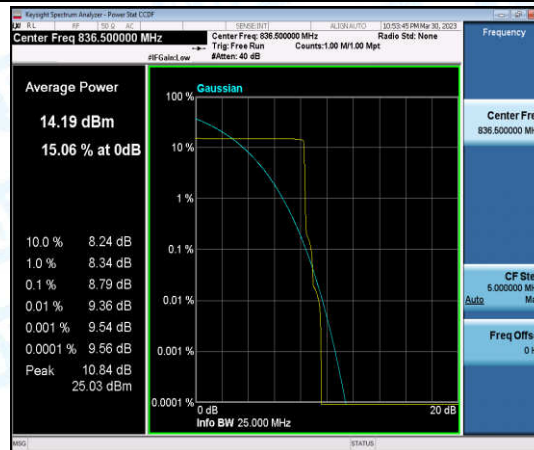
Band26-Stand-Alone-NaN-BPSK-26915-1@11-15kHz-3.52-<=13-PASS



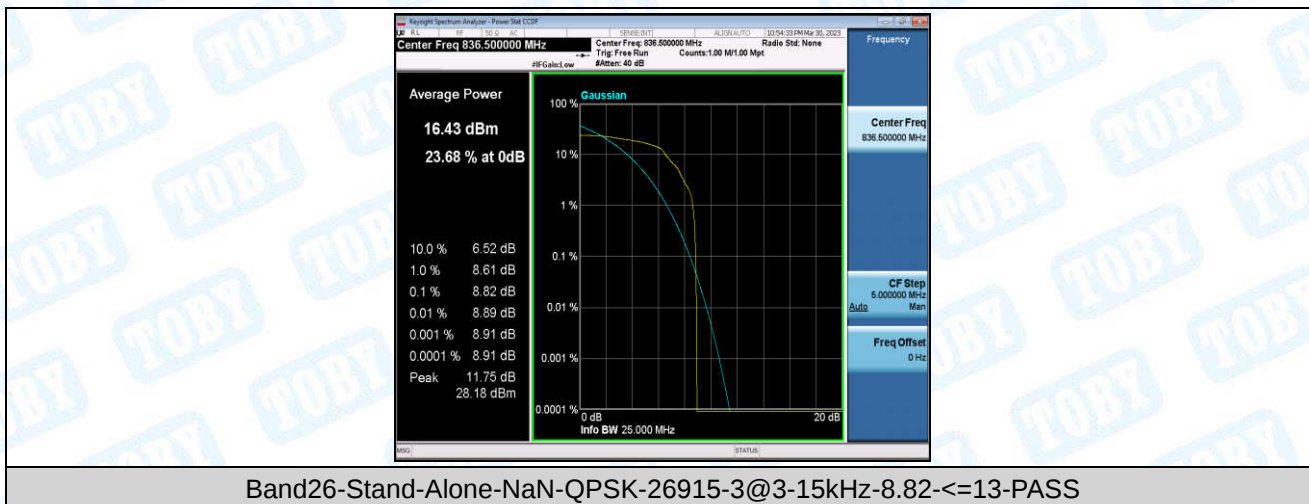
Band26-Stand-Alone-NaN-BPSK-26915-3@3-15kHz-9.37-<=13-PASS



Band26-Stand-Alone-NaN-QPSK-26915-1@0-15kHz-6.87-<=13-PASS



Band26-Stand-Alone-NaN-QPSK-26915-1@11-15kHz-8.79-<=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	26791	1@0	0.0749	0.0507	PASS
Band26	Stand-Alone	3.75kHz	BPSK	26915	1@0	0.0736	0.0499	PASS
Band26	Stand-Alone	3.75kHz	BPSK	27039	1@0	0.0739	0.0504	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26791	1@0	0.0916	0.0536	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@0	0.0908	0.0540	PASS
Band26	Stand-Alone	3.75kHz	QPSK	27039	1@0	0.0901	0.0532	PASS
Band26	Stand-Alone	15kHz	BPSK	26791	1@0	0.1357	0.1274	PASS
Band26	Stand-Alone	15kHz	BPSK	26791	12@0	0.1860	0.3074	PASS
Band26	Stand-Alone	15kHz	BPSK	26915	1@0	0.1390	0.1280	PASS
Band26	Stand-Alone	15kHz	BPSK	26915	12@0	0.1863	0.2882	PASS
Band26	Stand-Alone	15kHz	BPSK	27039	1@0	0.1356	0.1278	PASS
Band26	Stand-Alone	15kHz	BPSK	27039	12@0	0.1874	0.3150	PASS
Band26	Stand-Alone	15kHz	QPSK	26791	1@0	0.1460	0.1582	PASS
Band26	Stand-Alone	15kHz	QPSK	26791	12@0	0.1864	0.3058	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@0	0.1429	0.1561	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	12@0	0.1865	0.2991	PASS
Band26	Stand-Alone	15kHz	QPSK	27039	1@0	0.1476	0.1576	PASS
Band26	Stand-Alone	15kHz	QPSK	27039	12@0	0.1861	0.3047	PASS

3.2 Test Graphs



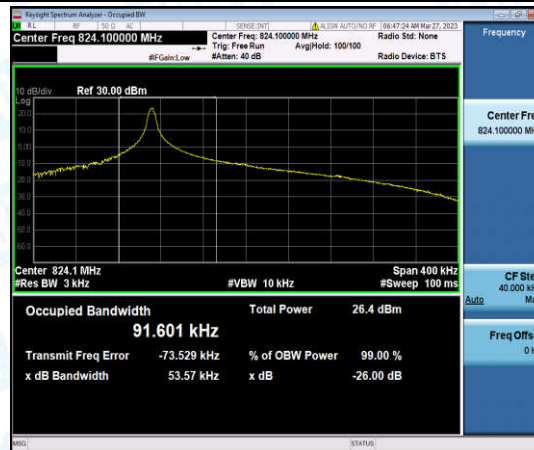
Band26-Stand-Alone-NaN-BPSK-26791-1@0-3.75kHz-0.0507-PASS



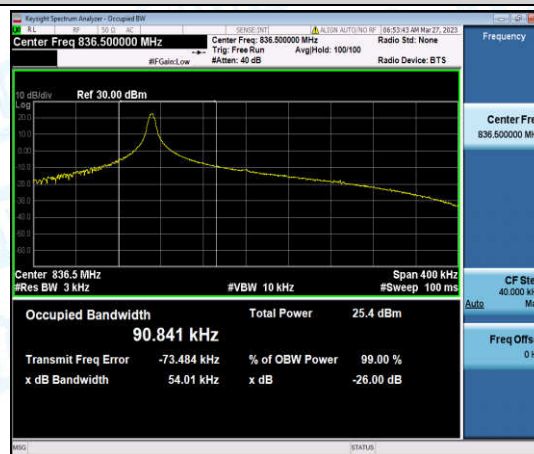
Band26-Stand-Alone-NaN-BPSK-26915-1@0-3.75kHz-0.0499-PASS



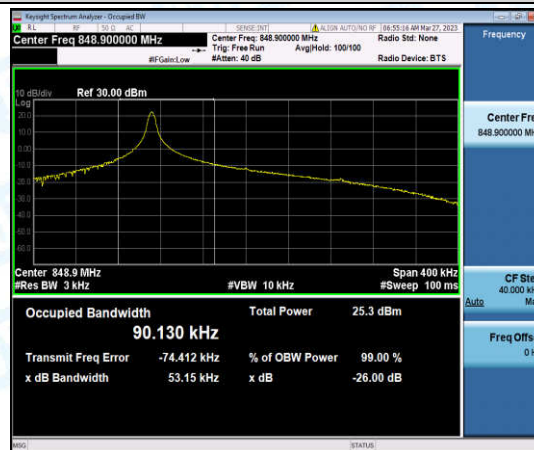
Band26-Stand-Alone-NaN-BPSK-27039-1@0-3.75kHz-0.0504-PASS



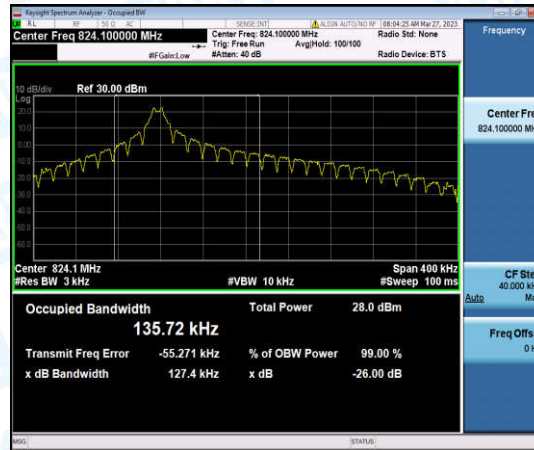
Band26-Stand-Alone-NaN-QPSK-26791-1@0-3.75kHz-0.0536-PASS



Band26-Stand-Alone-NaN-QPSK-26915-1@0-3.75kHz-0.0540-PASS



Band26-Stand-Alone-NaN-QPSK-27039-1@0-3.75kHz-0.0532-PASS



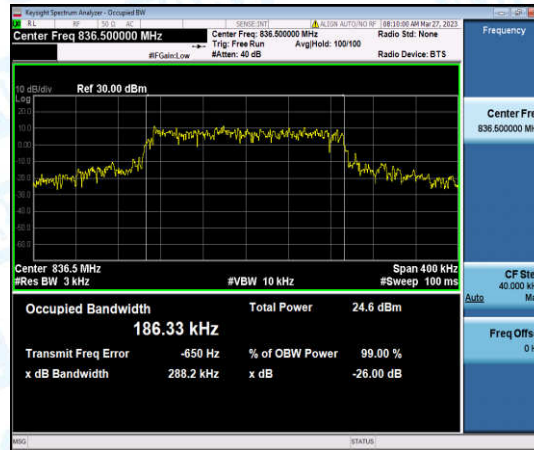
Band26-Stand-Alone-NaN-BPSK-26791-1@0-15kHz-0.1274-PASS



Band26-Stand-Alone-NaN-BPSK-26791-12@0-15kHz-0.3074-PASS



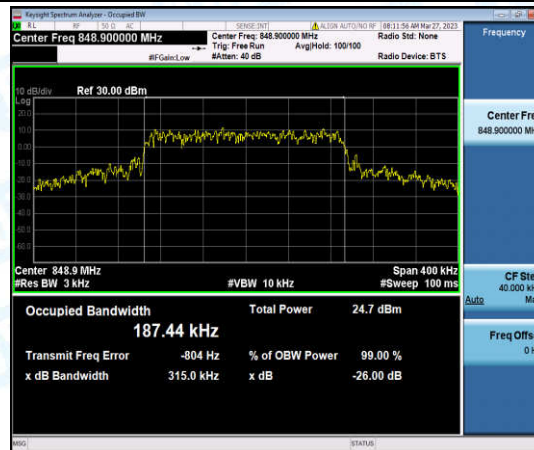
Band26-Stand-Alone-NaN-BPSK-26915-1@0-15kHz-0.1280-PASS



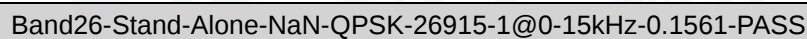
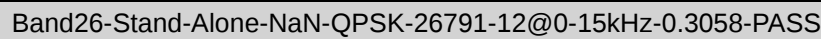
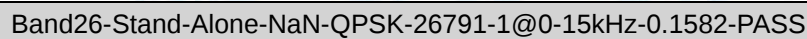
Band26-Stand-Alone-NaN-BPSK-26915-12@0-15kHz-0.2882-PASS

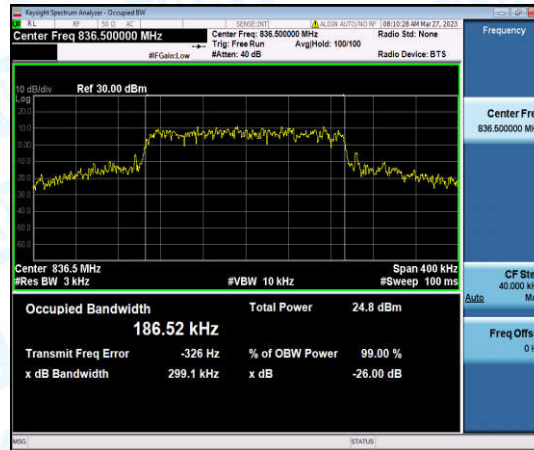


Band26-Stand-Alone-NaN-BPSK-27039-1@0-15kHz-0.1278-PASS

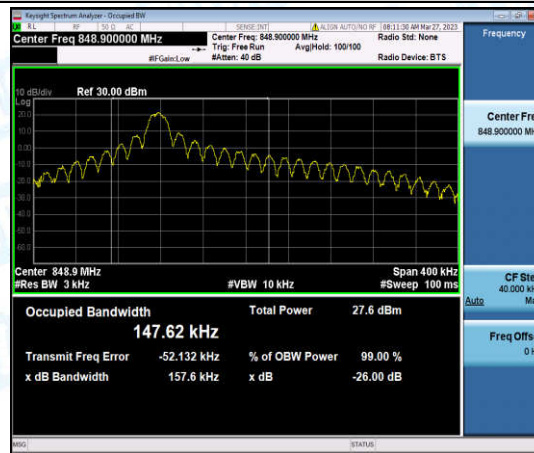


Band26-Stand-Alone-NaN-BPSK-27039-12@0-15kHz-0.3150-PASS

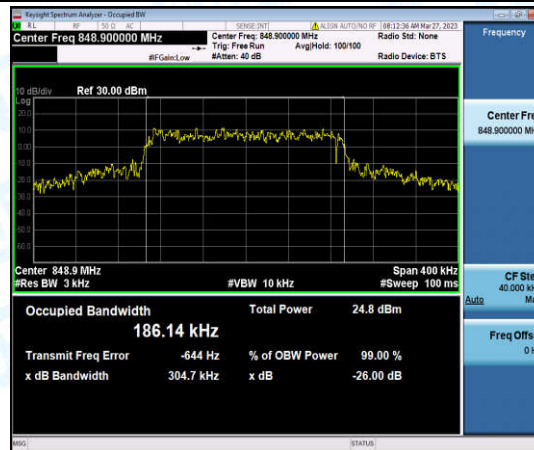




Band26-Stand-Alone-NaN-QPSK-26915-12@0-15kHz-0.2991-PASS



Band26-Stand-Alone-NaN-QPSK-27039-1@0-15kHz-0.1576-PASS



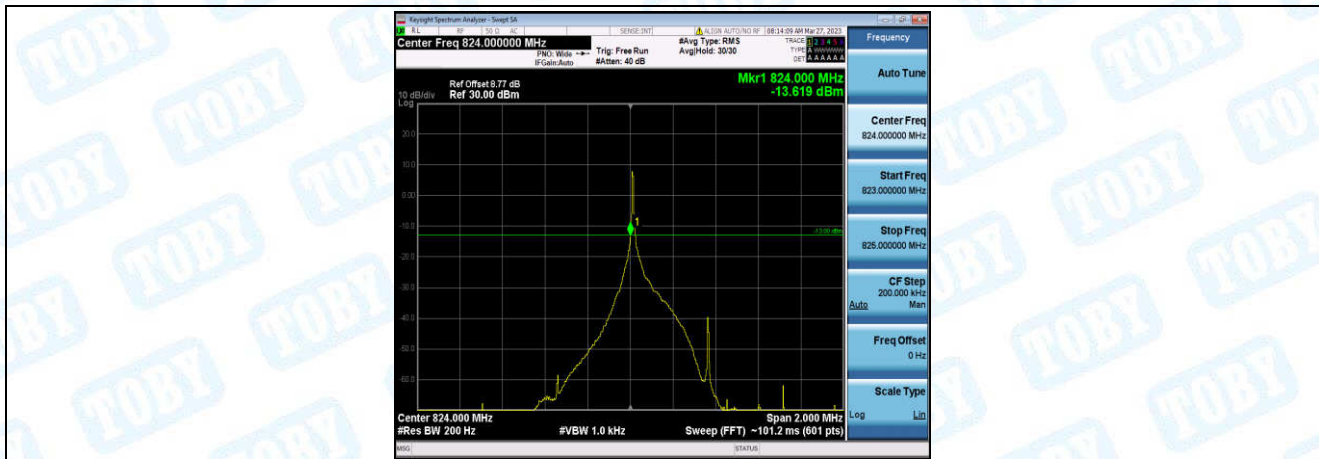
Band26-Stand-Alone-NaN-QPSK-27039-12@0-15kHz-0.3047-PASS

4: Band Edge for NB1

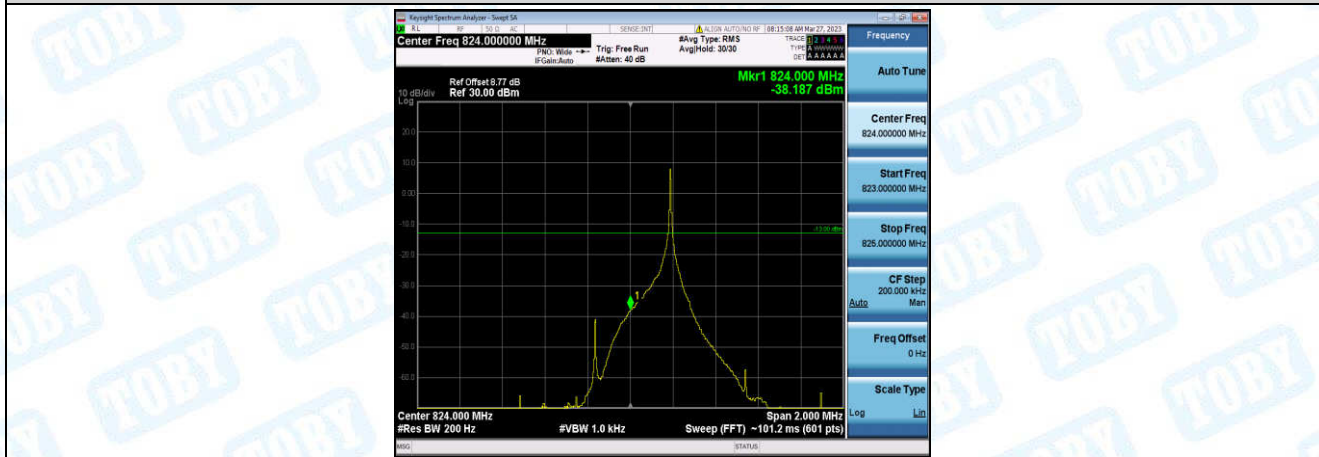
4.1 Test Result

Band	OpMode	BW	Modu	Channel	Tones	Result (dBm)	Verdict
Band26	Stand-Alone	3.75kHz	BPSK	26791	1@0	-13.62	PASS
Band26	Stand-Alone	3.75kHz	BPSK	26791	1@47	-38.19	PASS
Band26	Stand-Alone	3.75kHz	BPSK	27039	1@0	-38.80	PASS
Band26	Stand-Alone	3.75kHz	BPSK	27039	1@47	-15.35	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26791	1@0	-14.51	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26791	1@47	-38.54	PASS
Band26	Stand-Alone	3.75kHz	QPSK	27039	1@0	-40.42	PASS
Band26	Stand-Alone	3.75kHz	QPSK	27039	1@47	-16.25	PASS
Band26	Stand-Alone	15kHz	BPSK	26791	1@0	-15.68	PASS
Band26	Stand-Alone	15kHz	BPSK	26791	1@11	-35.24	PASS
Band26	Stand-Alone	15kHz	BPSK	26791	12@0	-43.12	PASS
Band26	Stand-Alone	15kHz	BPSK	27039	1@0	-35.64	PASS
Band26	Stand-Alone	15kHz	BPSK	27039	1@11	-16.77	PASS
Band26	Stand-Alone	15kHz	BPSK	27039	12@0	-41.47	PASS
Band26	Stand-Alone	15kHz	QPSK	26791	1@0	-15.67	PASS
Band26	Stand-Alone	15kHz	QPSK	26791	1@11	-38.87	PASS
Band26	Stand-Alone	15kHz	QPSK	26791	12@0	-49.63	PASS
Band26	Stand-Alone	15kHz	QPSK	27039	1@0	-38.40	PASS
Band26	Stand-Alone	15kHz	QPSK	27039	1@11	-19.37	PASS
Band26	Stand-Alone	15kHz	QPSK	27039	12@0	-40.76	PASS

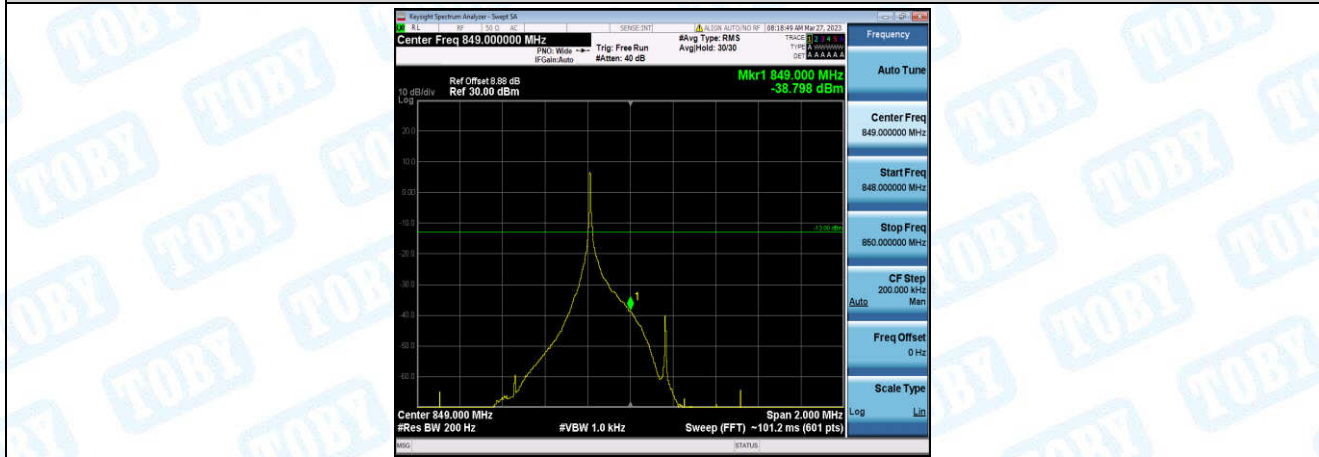
4.2 Test Graphs



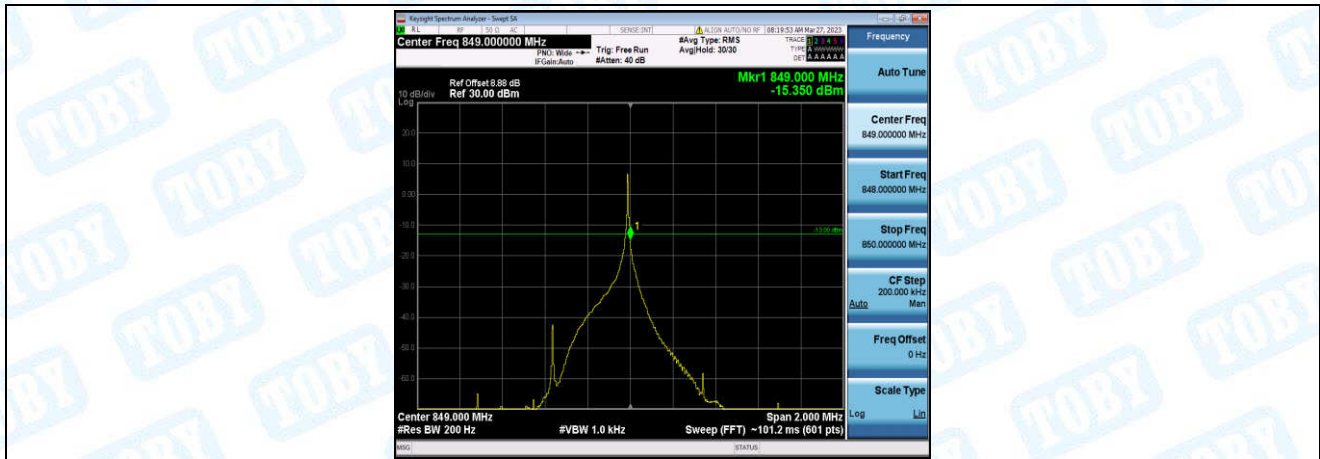
Band26-Stand-Alone-NaN-BPSK-26791-1@0-3.75kHz--13.62-PASS



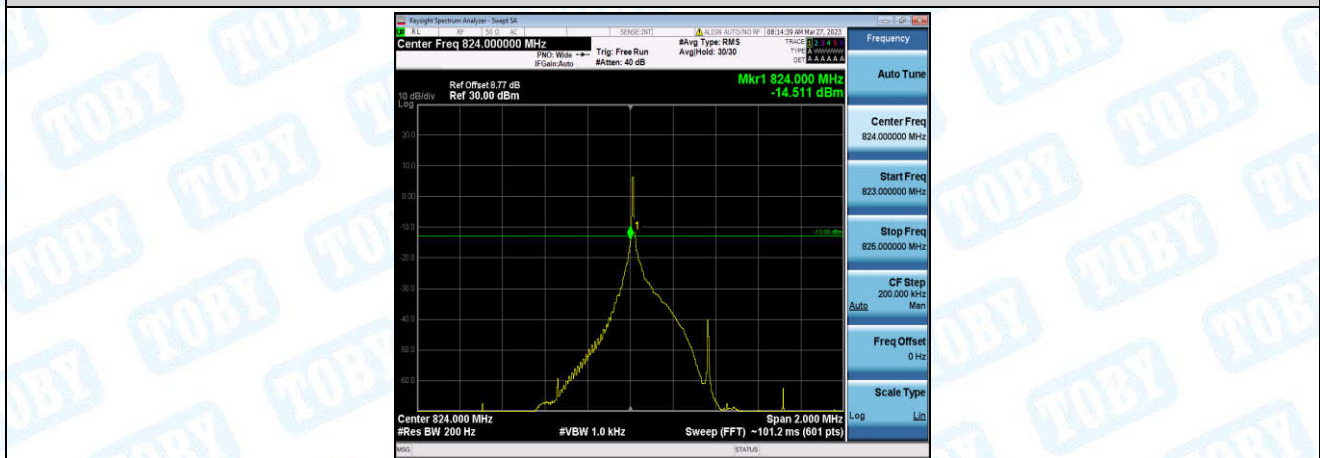
Band26-Stand-Alone-NaN-BPSK-26791-1@47-3.75kHz--38.19-PASS



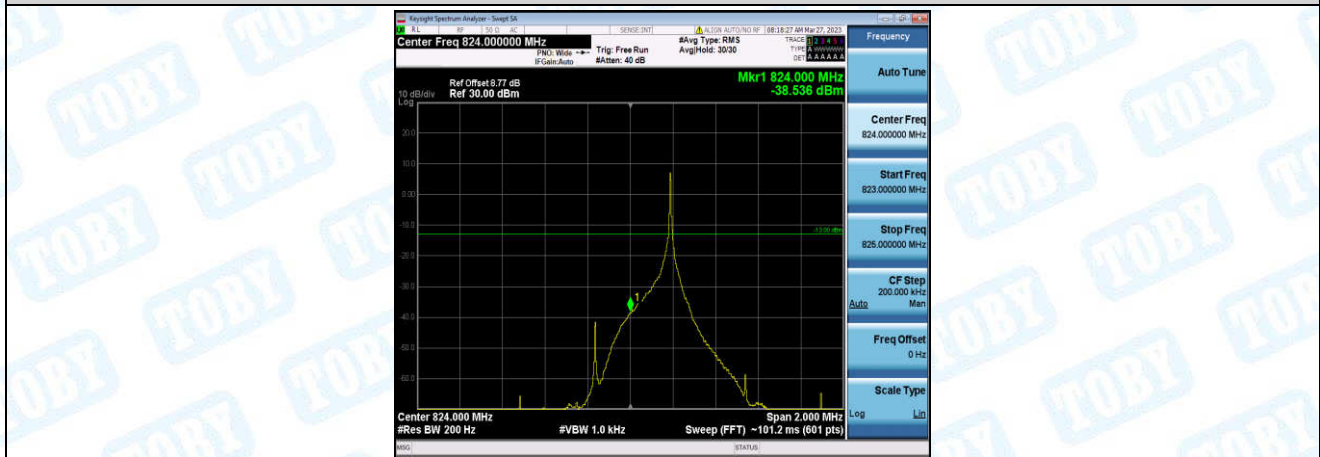
Band26-Stand-Alone-NaN-BPSK-27039-1@0-3.75kHz--38.80-PASS



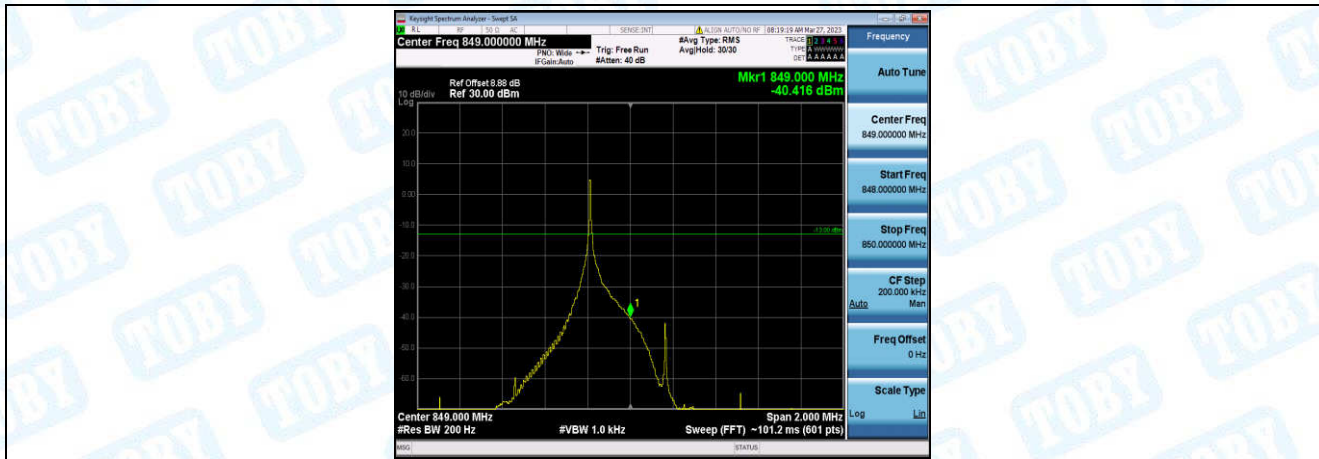
Band26-Stand-Alone-NaN-BPSK-27039-1@47-3.75kHz--15.35-PASS



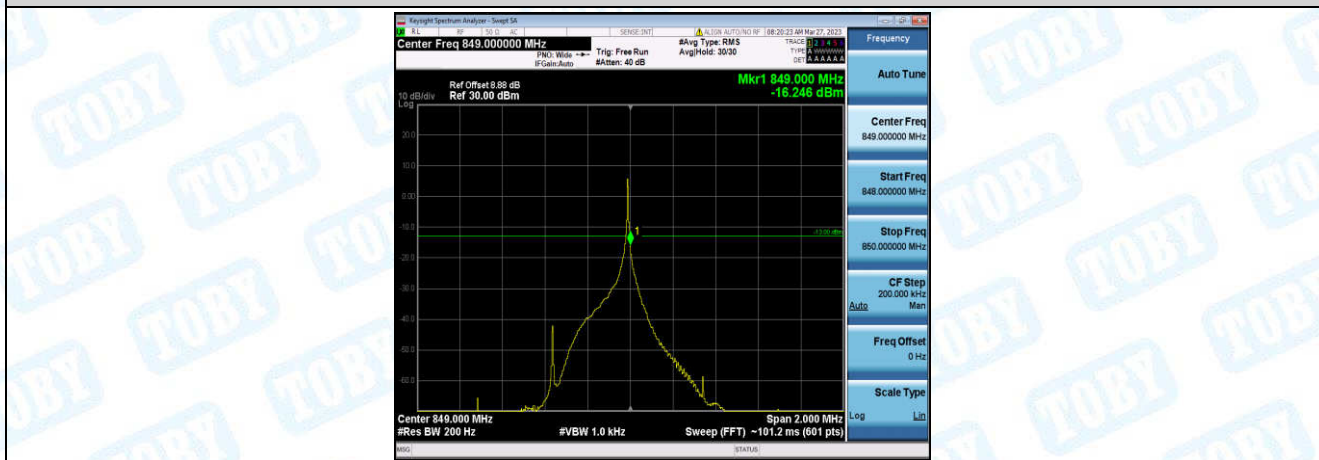
Band26-Stand-Alone-NaN-QPSK-26791-1@0-3.75kHz--14.51-PASS



Band26-Stand-Alone-NaN-QPSK-26791-1@47-3.75kHz--38.54-PASS



Band26-Stand-Alone-NaN-QPSK-27039-1@0-3.75kHz--40.42-PASS



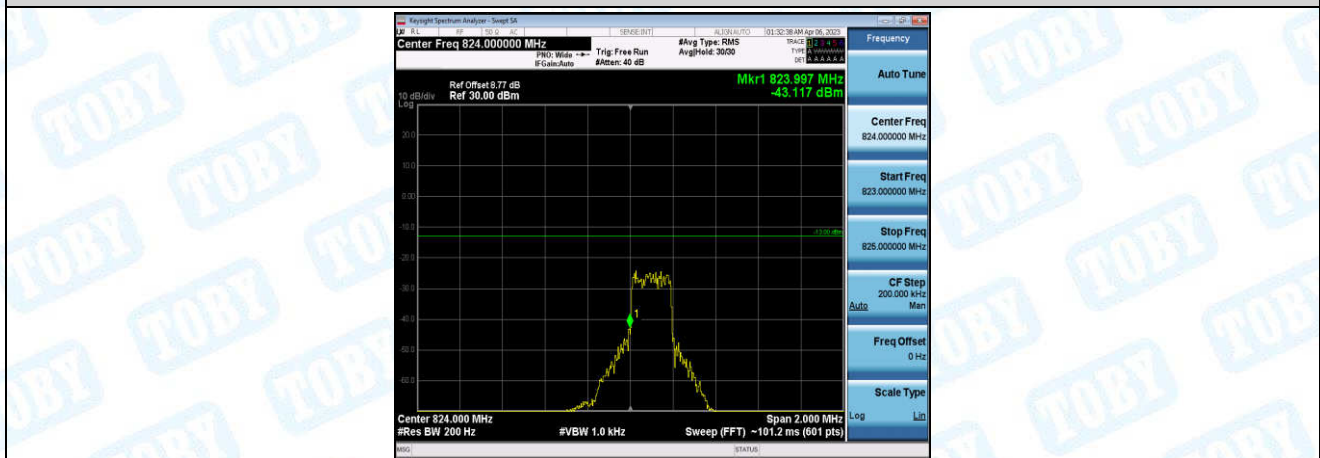
Band26-Stand-Alone-NaN-QPSK-27039-1@47-3.75kHz--16.25-PASS



Band26-Stand-Alone-NaN-BPSK-26791-1@0-15kHz--15.68-PASS



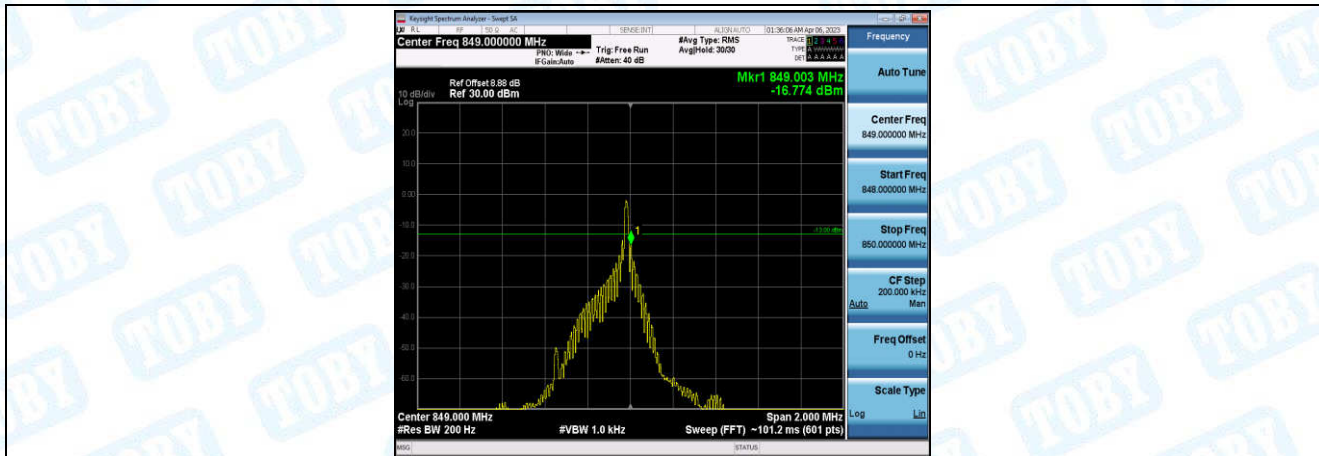
Band26-Stand-Alone-NaN-BPSK-26791-1@11-15kHz--35.24-PASS



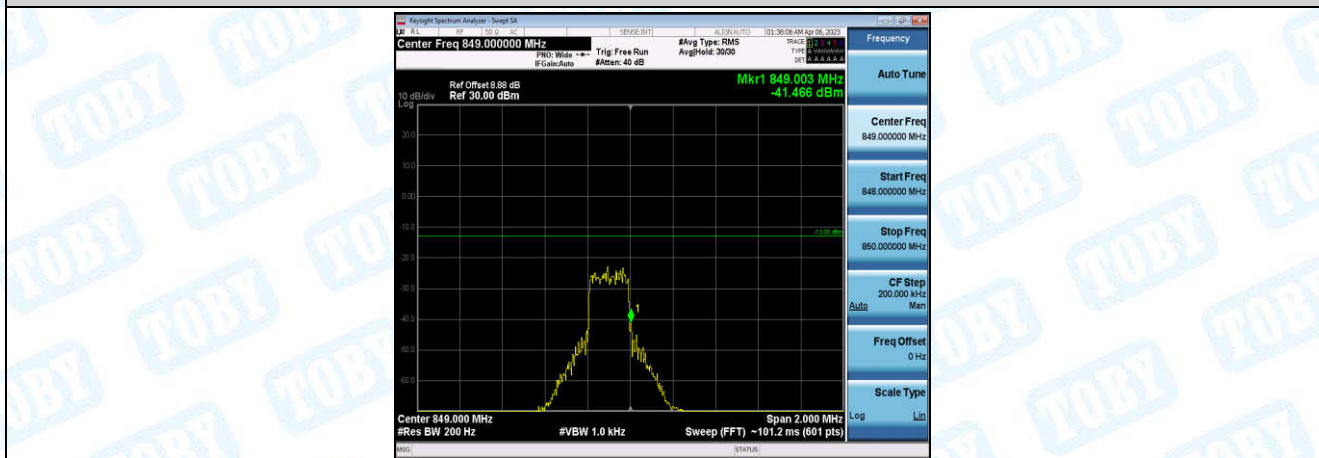
Band26-Stand-Alone-NaN-BPSK-26791-12@0-15kHz--43.12-PASS



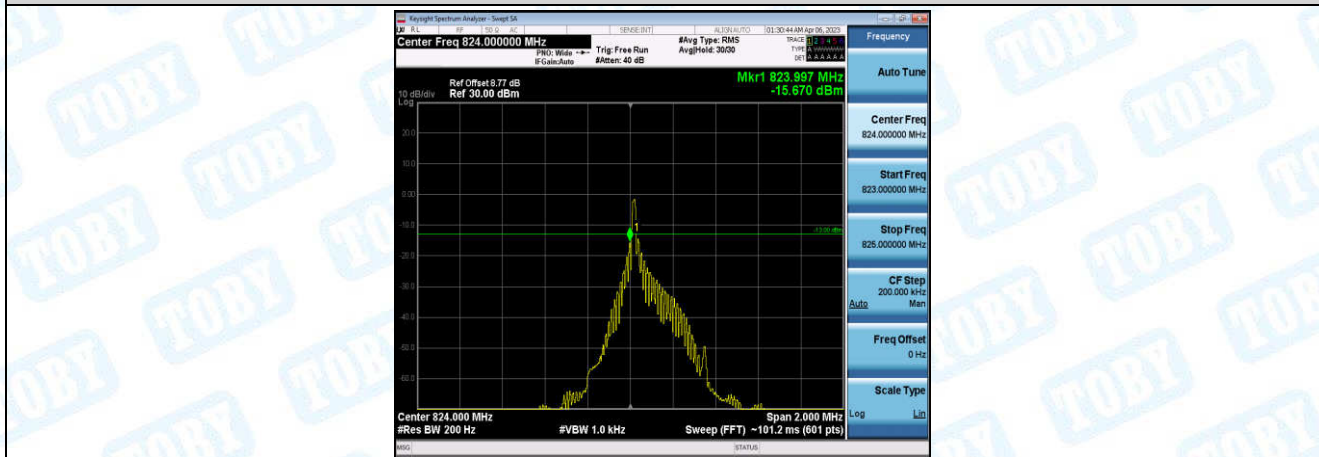
Band26-Stand-Alone-NaN-BPSK-27039-1@0-15kHz--35.64-PASS



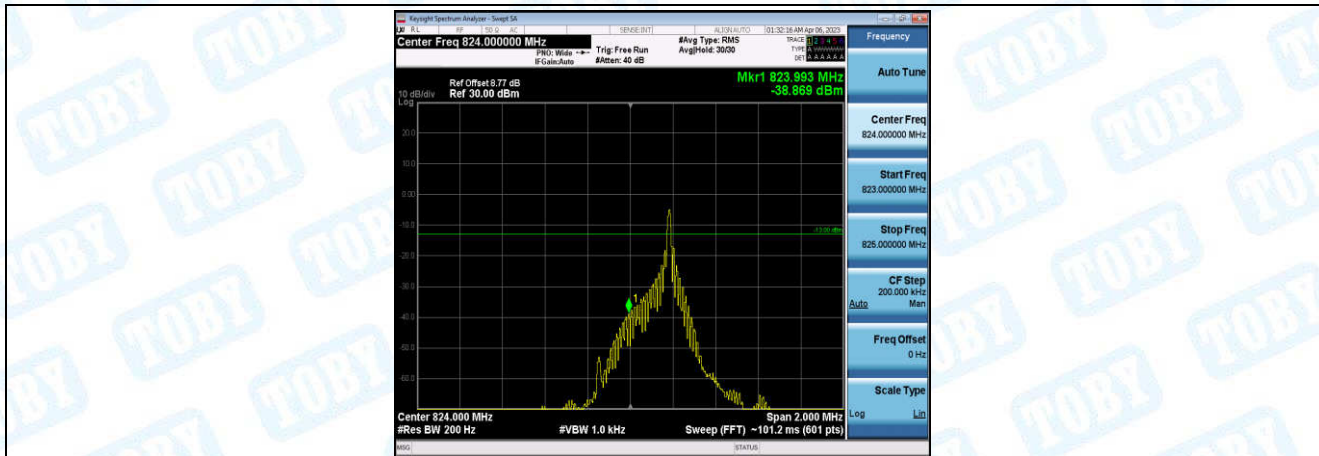
Band26-Stand-Alone-NaN-BPSK-27039-1@11-15kHz--16.77-PASS



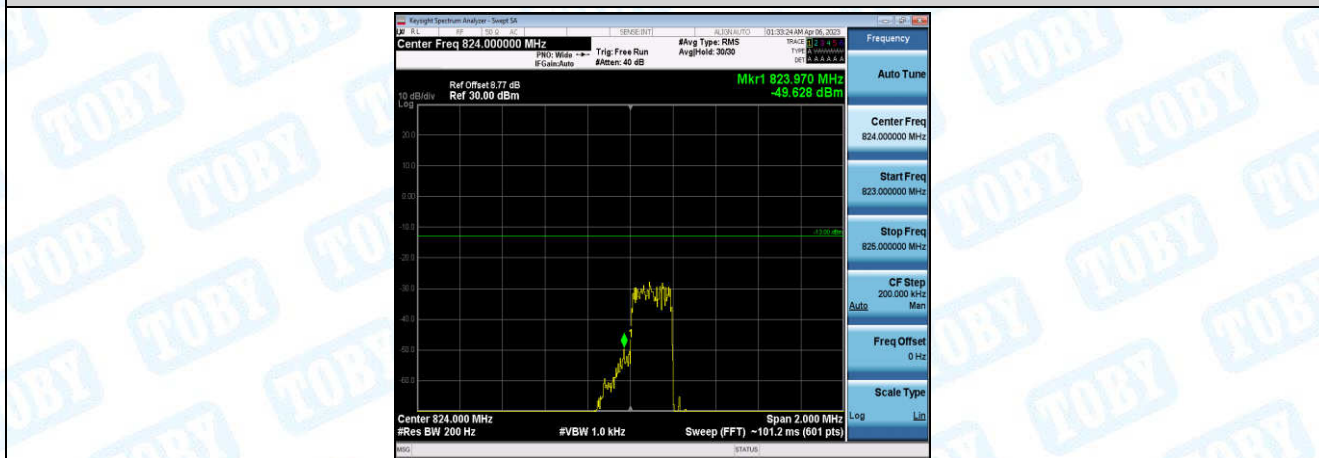
Band26-Stand-Alone-NaN-BPSK-27039-12@0-15kHz--41.47-PASS



Band26-Stand-Alone-NaN-QPSK-26791-1@0-15kHz--15.67-PASS



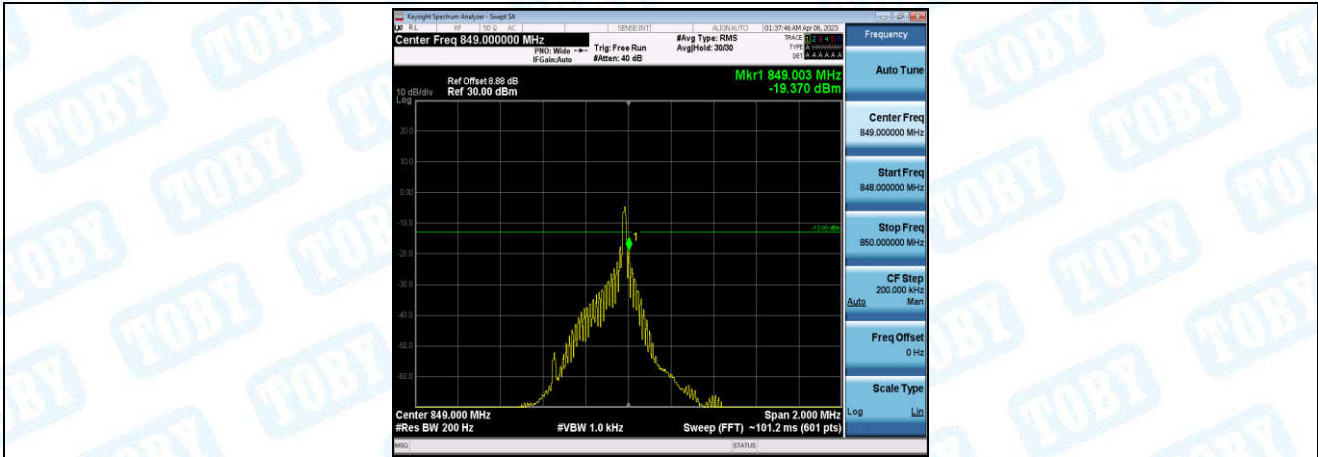
Band26-Stand-Alone-NaN-QPSK-26791-1@11-15kHz--38.87-PASS



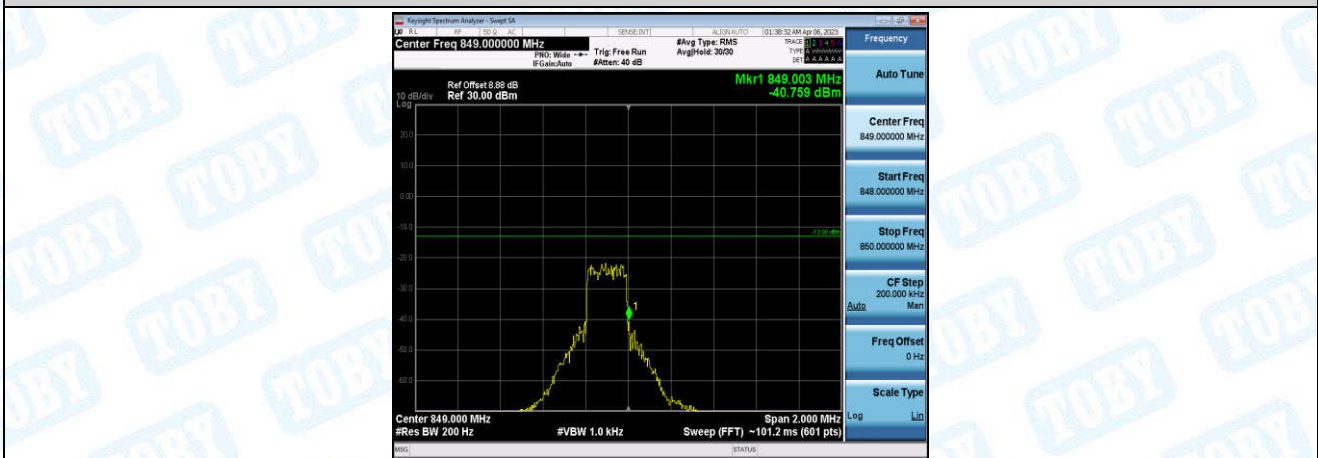
Band26-Stand-Alone-NaN-QPSK-26791-12@0-15kHz--49.63-PASS



Band26-Stand-Alone-NaN-QPSK-27039-1@0-15kHz--38.40-PASS



Band26-Stand-Alone-NaN-QPSK-27039-1@11-15kHz--19.37-PASS



Band26-Stand-Alone-NaN-QPSK-27039-12@0-15kHz--40.76-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	26791	1@0	0.009	0.15	0.009~0.15MHz @-62.03dBm	-33	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26791	1@0	0.15	30	0.15~30MHz @-69.22dBm	-23	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26791	1@0	30	1000	30~1000MHz @-59.27dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26791	1@0	1000	10000	1000~10000MHz @-44.79dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26791	1@47	0.009	0.15	0.009~0.15MHz @-63.38dBm	-33	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26791	1@47	0.15	30	0.15~30MHz @-68.53dBm	-23	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26791	1@47	30	1000	30~1000MHz @-59.31dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26791	1@47	1000	10000	1000~10000MHz @-43.74dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@0	0.009	0.15	0.009~0.15MHz @-61.95dBm	-33	PASS

Band26	Stand-Alone	3.75kHz	QPSK	26915	1@0	0.15	30	0.15~30MHz @-68.78dBm	-23	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@0	30	1000	30~1000MHz @-58.81dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@0	1000	10000	1000~10000MHz @-46.14dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@47	0.009	0.15	0.009~0.15MHz z@-63.28dBm	-33	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@47	0.15	30	0.15~30MHz @-69.73dBm	-23	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@47	30	1000	30~1000MHz @-59.61dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@47	1000	10000	1000~10000MHz @-45.39dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	27039	1@0	0.009	0.15	0.009~0.15MHz z@-59.17dBm	-33	PASS
Band26	Stand-Alone	3.75kHz	QPSK	27039	1@0	0.15	30	0.15~30MHz @-66.82dBm	-23	PASS
Band26	Stand-Alone	3.75kHz	QPSK	27039	1@0	30	1000	30~1000MHz @-59.39dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	27039	1@0	1000	10000	1000~10000MHz @-4	-13	PASS

								7.01dBm		
Band26	Stand-Alone	3.75kHz	QPSK	27039	1@47	0.009	0.15	0.009~0.15MHz @-63.35dBm	-33	PASS
Band26	Stand-Alone	3.75kHz	QPSK	27039	1@47	0.15	30	0.15~30MHz @-68.39dBm	-23	PASS
Band26	Stand-Alone	3.75kHz	QPSK	27039	1@47	30	1000	30~1000MHz @-59.46dBm	-13	PASS
Band26	Stand-Alone	3.75kHz	QPSK	27039	1@47	1000	10000	1000~10000MHz @-46.57dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26791	1@0	0.009	0.15	0.009~0.15MHz @-64.98dBm	-33	PASS
Band26	Stand-Alone	15kHz	BPSK	26791	1@0	0.15	30	0.15~30MHz @-67.94dBm	-23	PASS
Band26	Stand-Alone	15kHz	BPSK	26791	1@0	30	1000	30~1000MHz @-59.12dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26791	1@0	1000	10000	1000~10000MHz @-45.92dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26791	1@11	0.009	0.15	0.009~0.15MHz @-62.41dBm	-33	PASS
Band26	Stand-Alone	15kHz	BPSK	26791	1@11	0.15	30	0.15~30MHz @-68.12dBm	-23	PASS

Band26	Stand-Alone	15kHz	BPSK	26791	1@11	30	1000	30~100 0MHz @-59.3 8dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26791	1@11	1000	1000 0	1000~1 0000M Hz@-4 5.45dB m	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26915	1@0	0.009	0.15	0.009~ 0.15MH z@-63. 54dBm	-33	PASS
Band26	Stand-Alone	15kHz	BPSK	26915	1@0	0.15	30	0.15~3 0MHz @-67.6 dBm	-23	PASS
Band26	Stand-Alone	15kHz	BPSK	26915	1@0	30	1000	30~100 0MHz @-59.5 1dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26915	1@0	1000	1000 0	1000~1 0000M Hz@-4 7.14dB m	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26915	1@11	0.009	0.15	0.009~ 0.15MH z@-62. 6dBm	-33	PASS
Band26	Stand-Alone	15kHz	BPSK	26915	1@11	0.15	30	0.15~3 0MHz @-66.8 8dBm	-23	PASS
Band26	Stand-Alone	15kHz	BPSK	26915	1@11	30	1000	30~100 0MHz @-58.8 3dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	26915	1@11	1000	1000 0	1000~1 0000M Hz@-4 7.48dB m	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	27039	1@0	0.009	0.15	0.009~ 0.15MH	-33	PASS

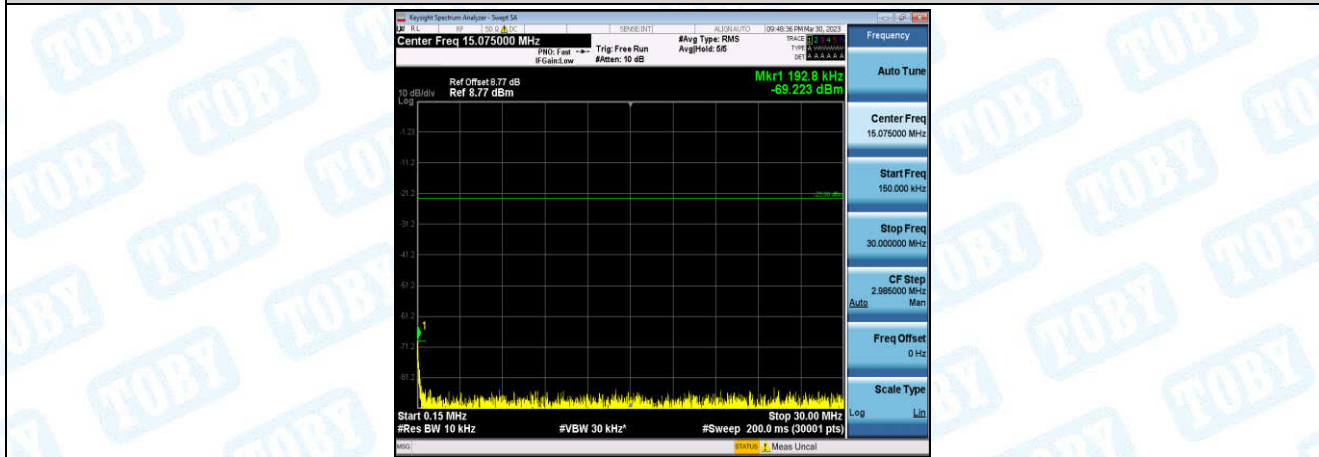
								z@-62.94dBm		
Band26	Stand-Alone	15kHz	BPSK	27039	1@0	0.15	30	0.15~30MHz @-66.65dBm	-23	PASS
Band26	Stand-Alone	15kHz	BPSK	27039	1@0	30	1000	30~1000MHz @-59.08dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	27039	1@0	1000	10000	1000~10000MHz @-47.1dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	27039	1@11	0.009	0.15	0.009~0.15MHz z@-61.86dBm	-33	PASS
Band26	Stand-Alone	15kHz	BPSK	27039	1@11	0.15	30	0.15~30MHz @-66.26dBm	-23	PASS
Band26	Stand-Alone	15kHz	BPSK	27039	1@11	30	1000	30~1000MHz @-59.19dBm	-13	PASS
Band26	Stand-Alone	15kHz	BPSK	27039	1@11	1000	10000	1000~10000MHz @-47.37dBm	-13	PASS
Band26	Stand-Alone	15kHz	QPSK	26791	12@0	0.009	0.15	0.009~0.15MHz z@-62.03dBm	-33	PASS
Band26	Stand-Alone	15kHz	QPSK	26791	12@0	0.15	30	0.15~30MHz @-65.58dBm	-23	PASS
Band26	Stand-Alone	15kHz	QPSK	26791	12@0	30	1000	30~1000MHz @-59.18dBm	-13	PASS
Band26	Stand-Alone	15kHz	QPSK	26791	12@0	1000	10000	1000~10000MHz	-13	PASS

								Hz@-4 7.64dB m		
Band26	Stand-Alo ne	15kHz	QPSK	26915	12@0	0.009	0.15	0.009~ 0.15MH z@-62. 73dBm	-33	PASS
Band26	Stand-Alo ne	15kHz	QPSK	26915	12@0	0.15	30	0.15~3 0MHz @-69.9 3dBm	-23	PASS
Band26	Stand-Alo ne	15kHz	QPSK	26915	12@0	30	1000	30~100 0MHz @-59.4 6dBm	-13	PASS
Band26	Stand-Alo ne	15kHz	QPSK	26915	12@0	1000	1000 0	1000~1 0000M Hz@-4 7.58dB m	-13	PASS
Band26	Stand-Alo ne	15kHz	QPSK	27039	12@0	0.009	0.15	0.009~ 0.15MH z@-62. 13dBm	-33	PASS
Band26	Stand-Alo ne	15kHz	QPSK	27039	12@0	0.15	30	0.15~3 0MHz @-66.5 6dBm	-23	PASS
Band26	Stand-Alo ne	15kHz	QPSK	27039	12@0	30	1000	30~100 0MHz @-59.4 2dBm	-13	PASS
Band26	Stand-Alo ne	15kHz	QPSK	27039	12@0	1000	1000 0	1000~1 0000M Hz@-4 7.07dB m	-13	PASS

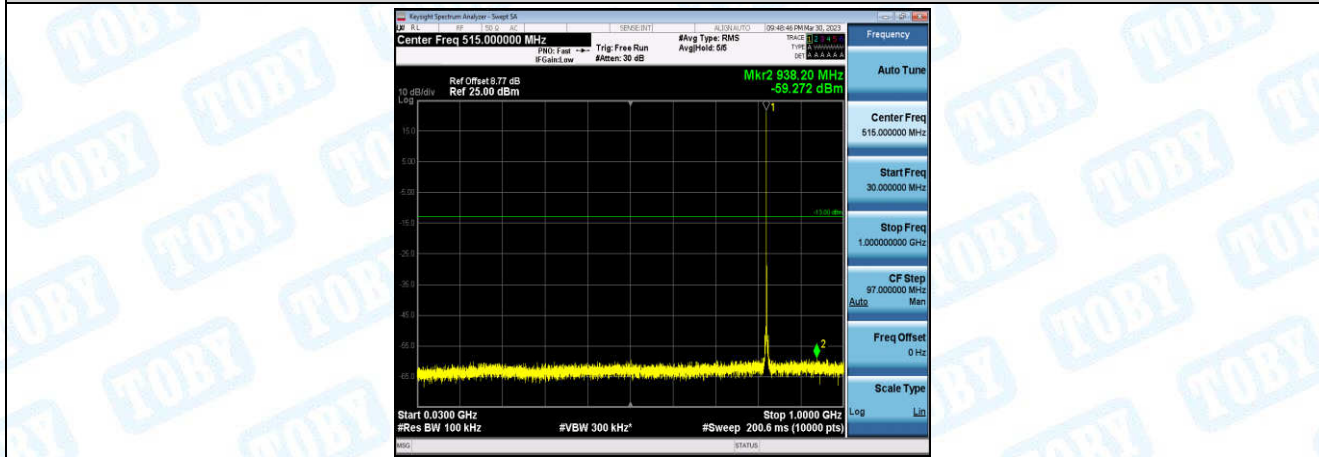
5.2 Test Graphs



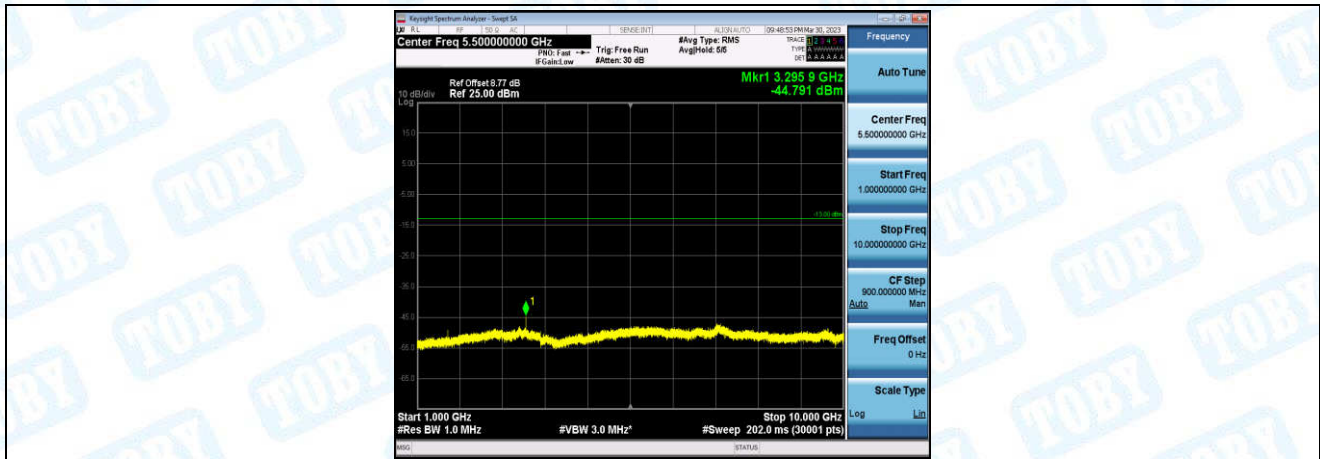
Band26-Stand-Alone-NaN-QPSK-26791-1@0-3.75kHz-0.009-0.15-0.009~0.15MHz@-62.03dBm--33-PASS



Band26-Stand-Alone-NaN-QPSK-26791-1@0-3.75kHz-0.15-30-0.15~30MHz@-69.22dBm--23-PASS

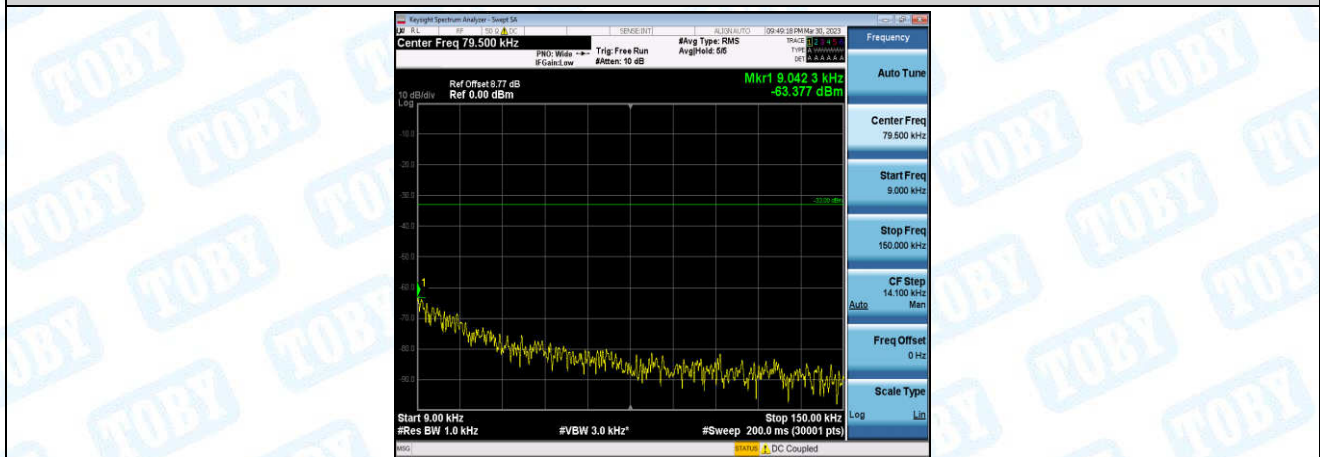


Band26-Stand-Alone-NaN-QPSK-26791-1@0-3.75kHz-30-1000-30~1000MHz@-59.27dBm--13-PASS

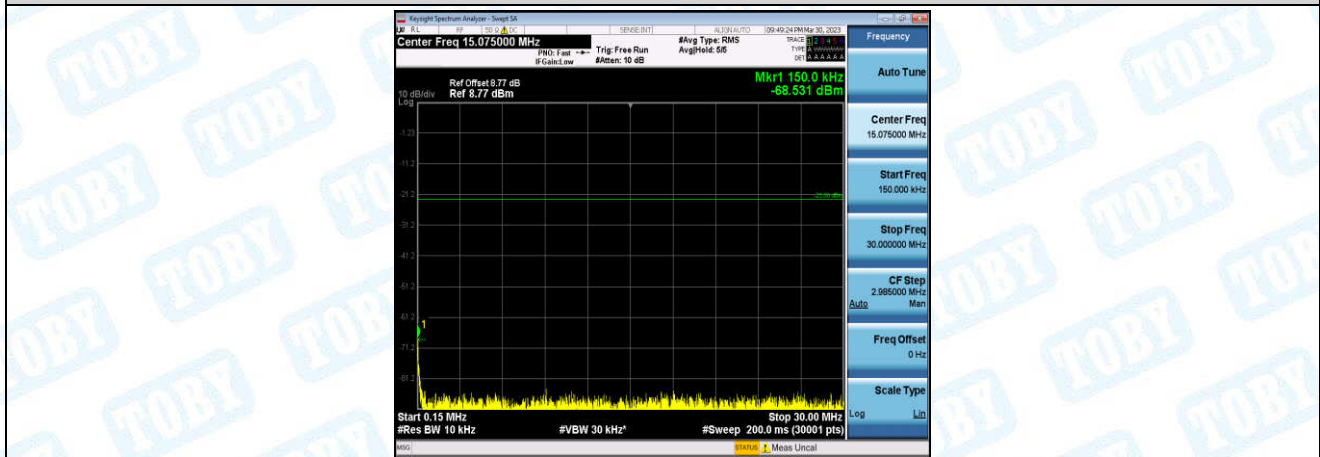


Band26-Stand-Alone-NaN-QPSK-26791-1@0-3.75kHz-1000-10000-1000~10000MHz@-44.79dBm--13-PAS

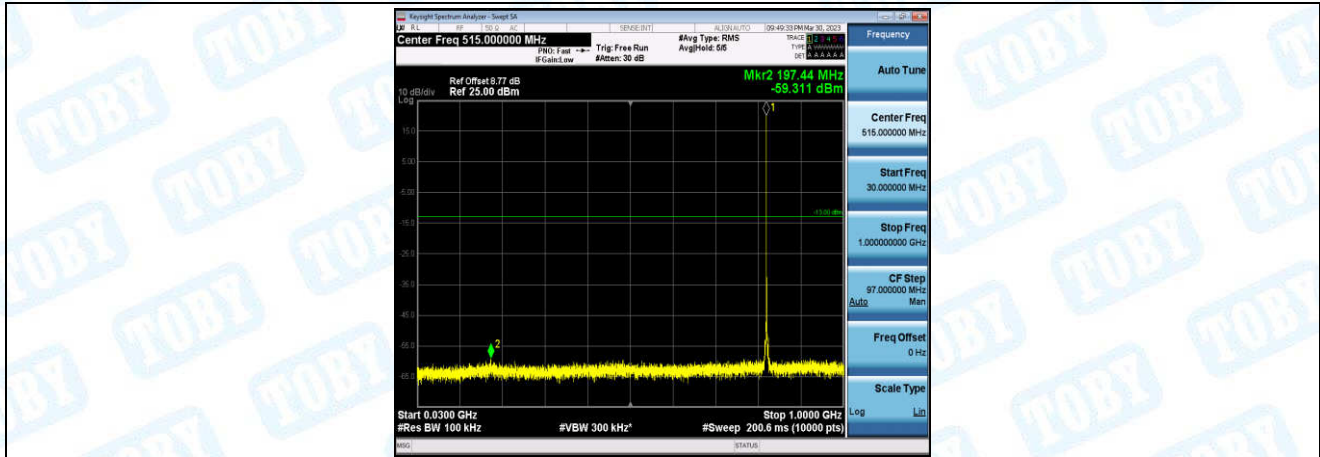
S



Band26-Stand-Alone-NaN-QPSK-26791-1@47-3.75kHz-0.009-0.15-0.009~0.15MHz@-63.38dBm--33-PASS



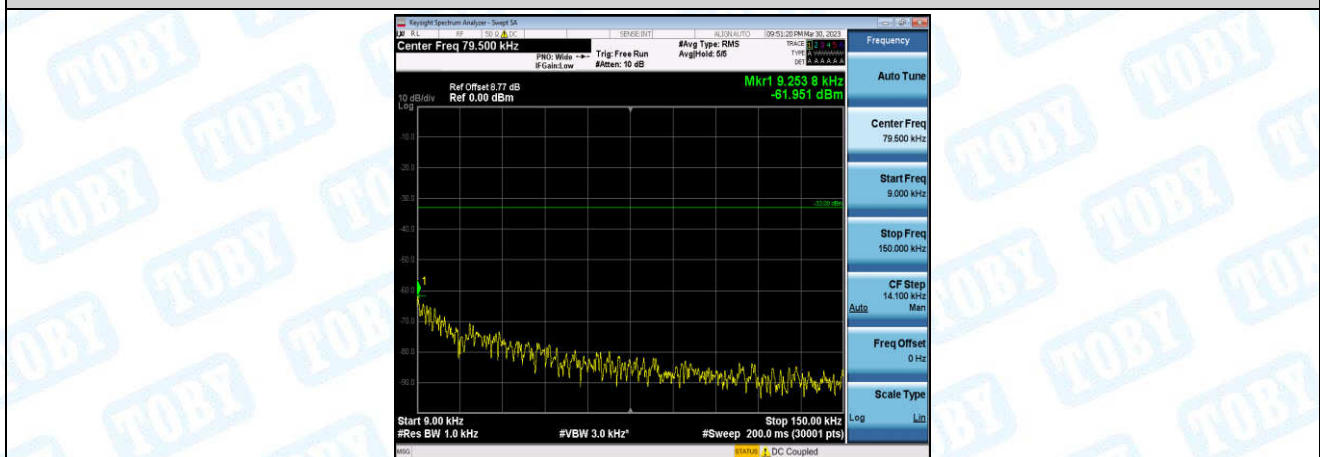
Band26-Stand-Alone-NaN-QPSK-26791-1@47-3.75kHz-0.15-30-0.15~30MHz@-68.53dBm--23-PASS



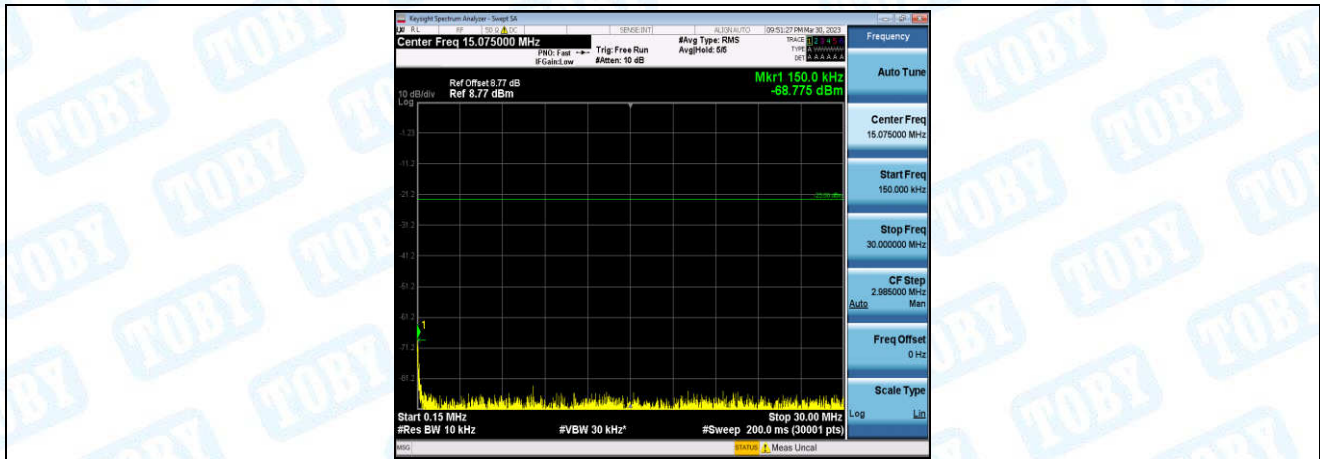
Band26-Stand-Alone-NaN-QPSK-26791-1@47-3.75kHz-30-1000-30~1000MHz@-59.31dBm--13-PASS



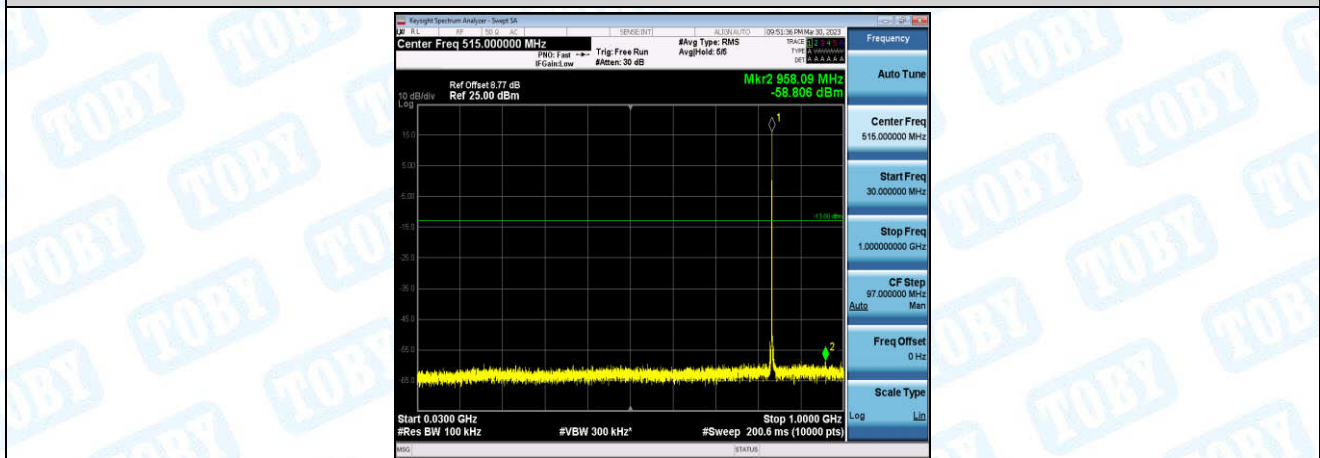
Band26-Stand-Alone-NaN-QPSK-26791-1@47-3.75kHz-1000-10000-1000~10000MHz@-43.74dBm--13-PA
SS



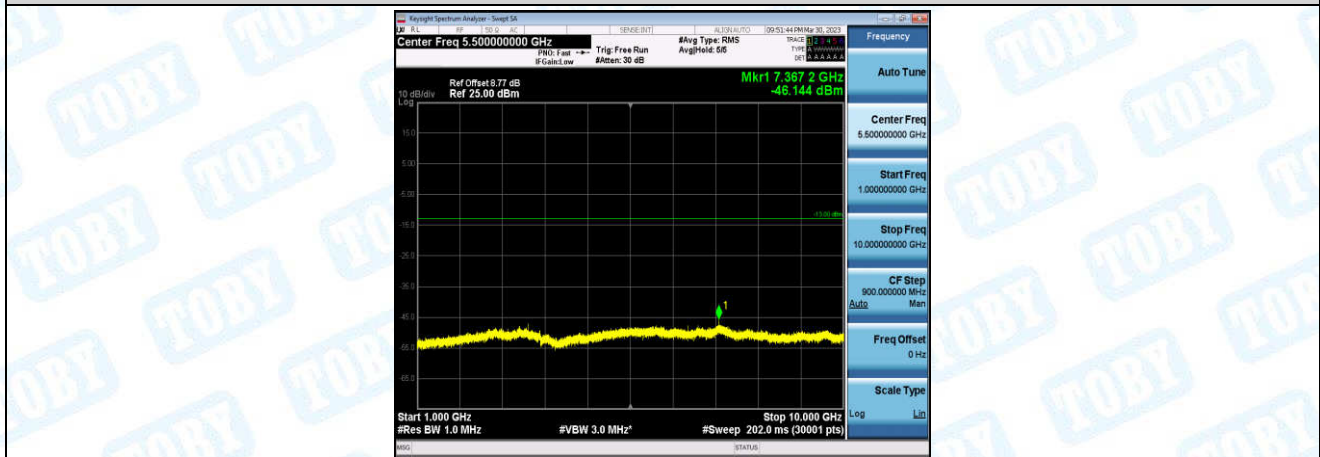
Band26-Stand-Alone-NaN-QPSK-26915-1@0-3.75kHz-0.009-0.15-0.009~0.15MHz@-61.95dBm--33-PASS



Band26-Stand-Alone-NaN-QPSK-26915-1@0-3.75kHz-0.15-30-0.15~30MHz@-68.78dBm--23-PASS

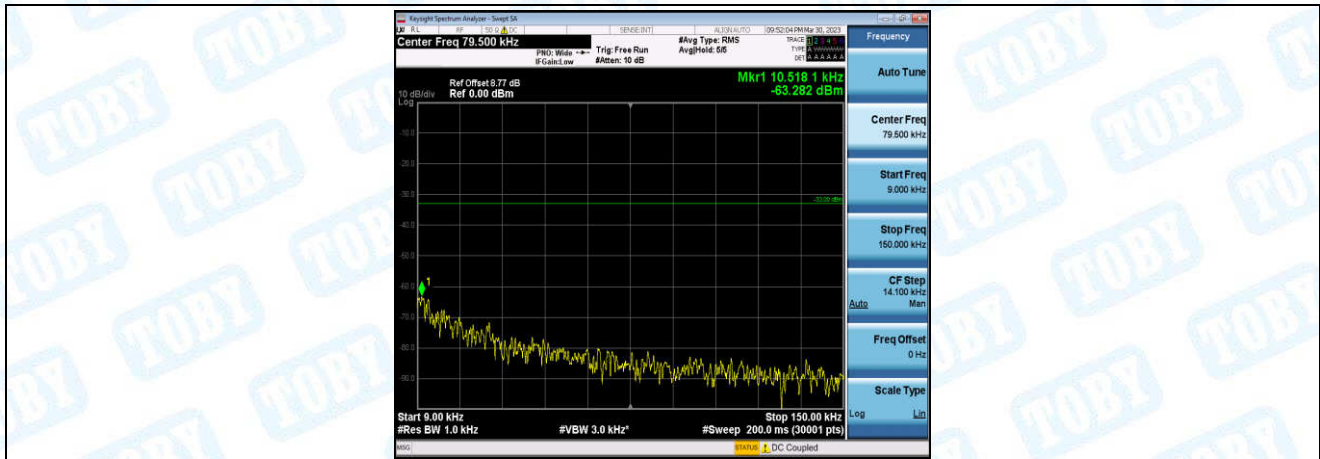


Band26-Stand-Alone-NaN-QPSK-26915-1@0-3.75kHz-30-1000-30~1000MHz@-58.81dBm--13-PASS

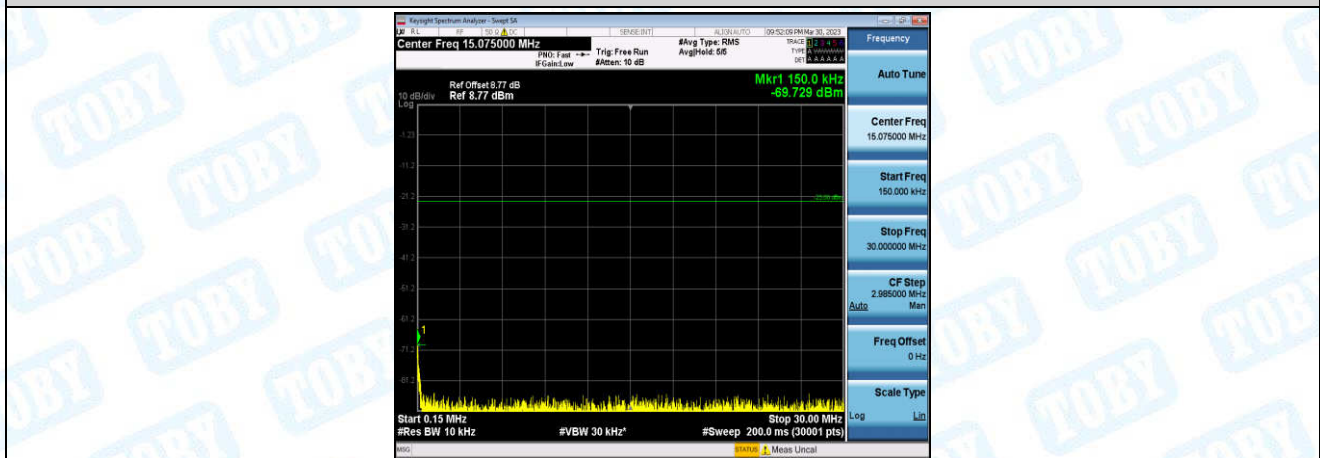


Band26-Stand-Alone-NaN-QPSK-26915-1@0-3.75kHz-1000-10000-1000~10000MHz@-46.14dBm--13-PAS

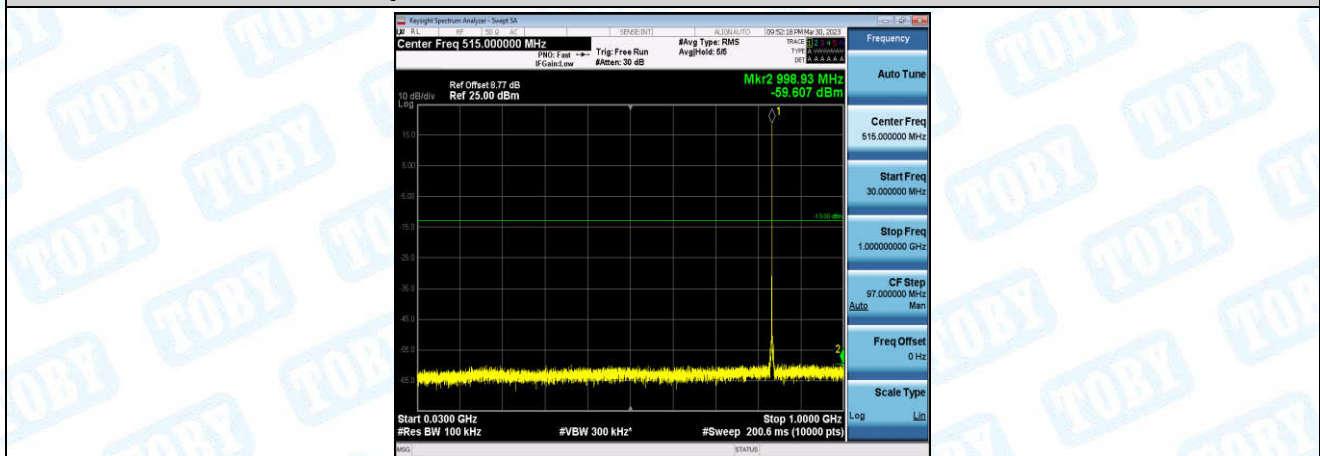
S



Band26-Stand-Alone-NaN-QPSK-26915-1@47-3.75kHz-0.009-0.15-0.009~0.15MHz@-63.28dBm--33-PASS



Band26-Stand-Alone-NaN-QPSK-26915-1@47-3.75kHz-0.15-30-0.15~30MHz@-69.73dBm--23-PASS



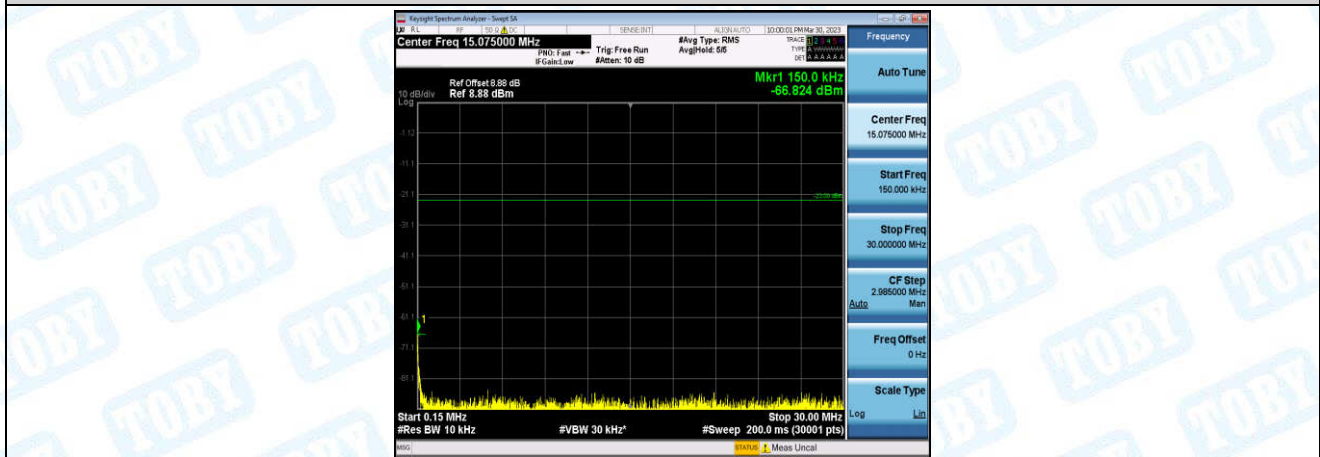
Band26-Stand-Alone-NaN-QPSK-26915-1@47-3.75kHz-30-1000-30~1000MHz@-59.61dBm--13-PASS



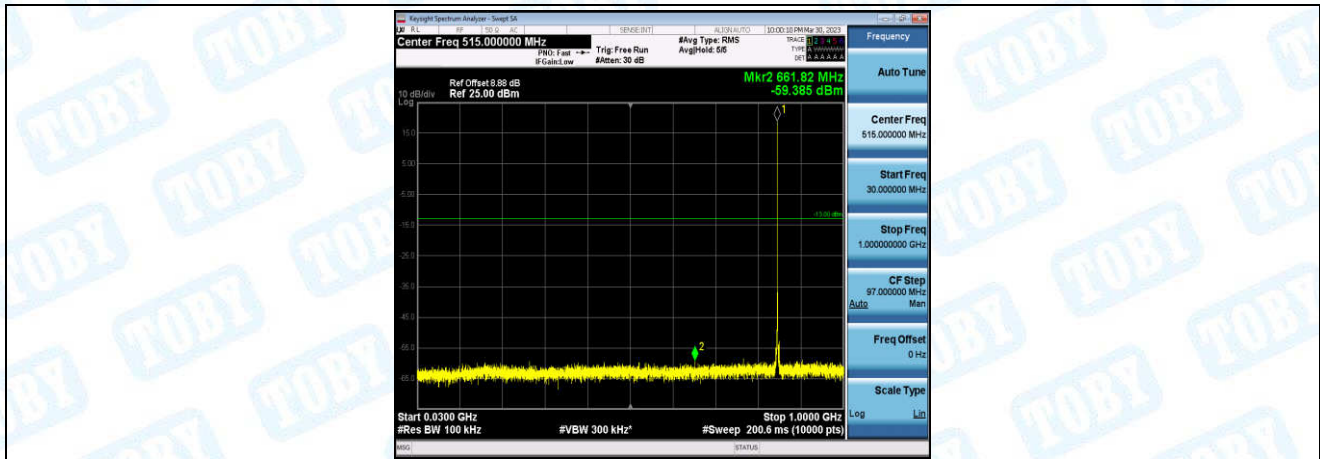
Band26-Stand-Alone-NaN-QPSK-26915-1@47-3.75kHz-1000-10000-1000~10000MHz@-45.39dBm--13-PA
SS



Band26-Stand-Alone-NaN-QPSK-27039-1@0-3.75kHz-0.009-0.15-0.009~0.15MHz@-59.17dBm--33-PASS



Band26-Stand-Alone-NaN-QPSK-27039-1@0-3.75kHz-0.15-30-0.15~30MHz@-66.82dBm--23-PASS



Band26-Stand-Alone-NaN-QPSK-27039-1@0-3.75kHz-30-1000-30~1000MHz@-59.39dBm--13-PASS

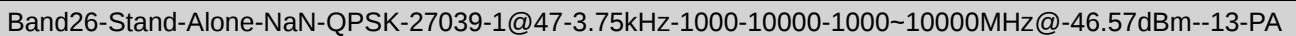
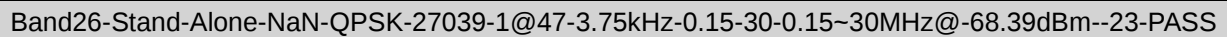


Band26-Stand-Alone-NaN-QPSK-27039-1@0-3.75kHz-1000-10000-1000~10000MHz@-47.01dBm--13-PAS

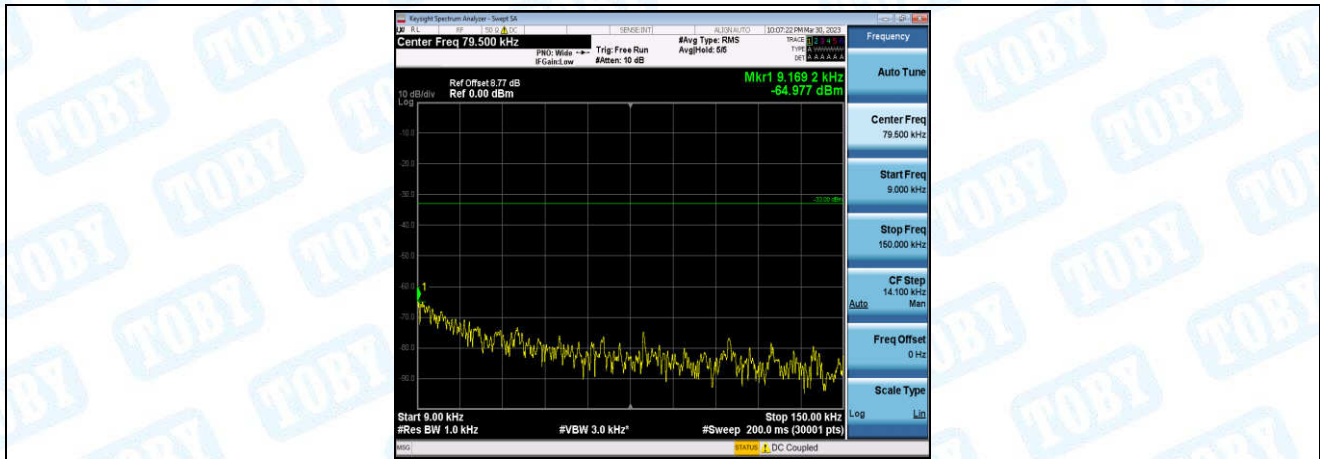
S



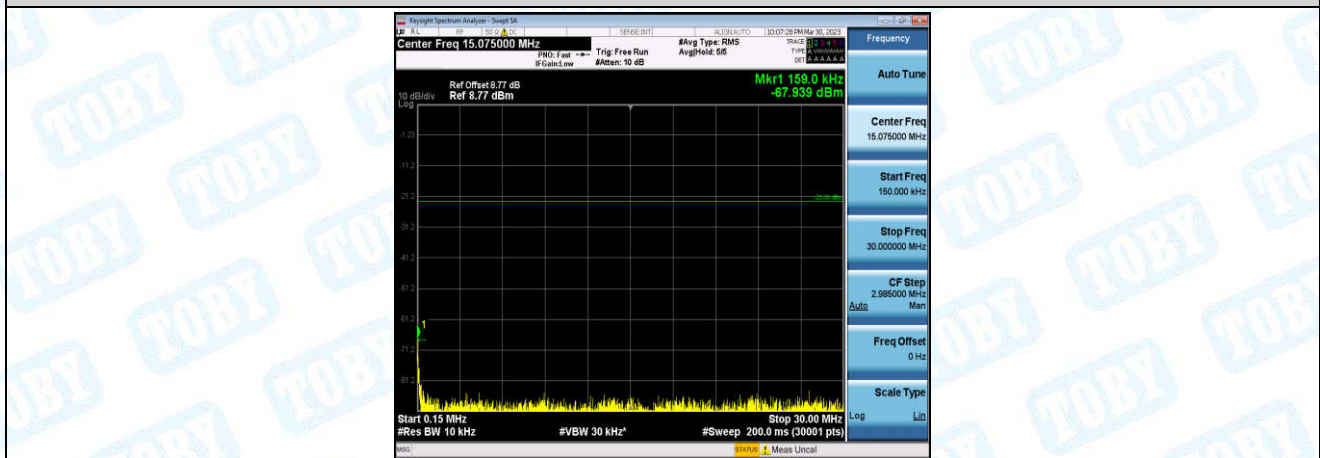
Band26-Stand-Alone-NaN-QPSK-27039-1@47-3.75kHz-0.009-0.15-0.009~0.15MHz@-63.35dBm--33-PASS



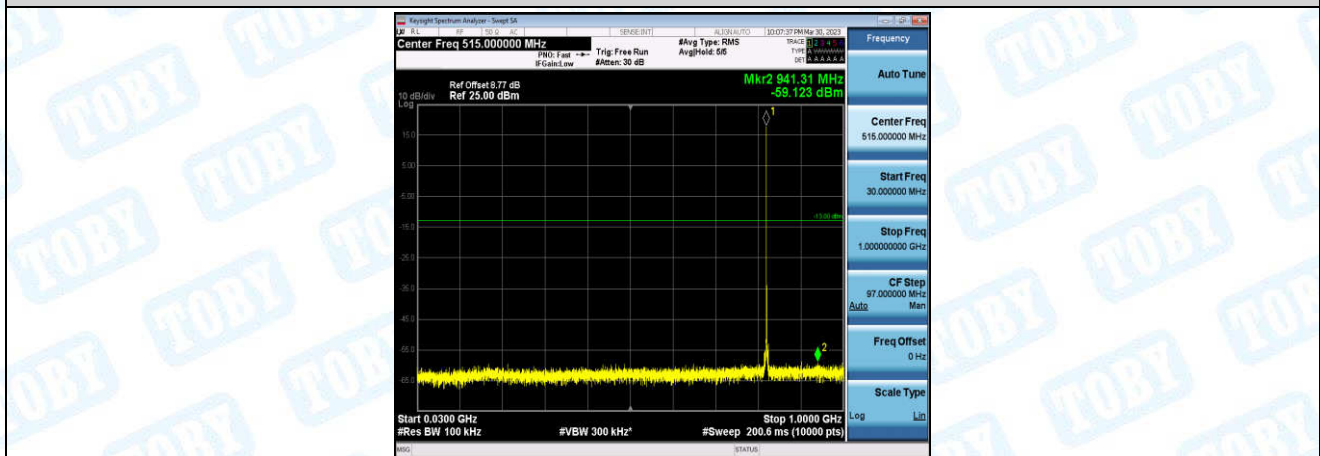
SS



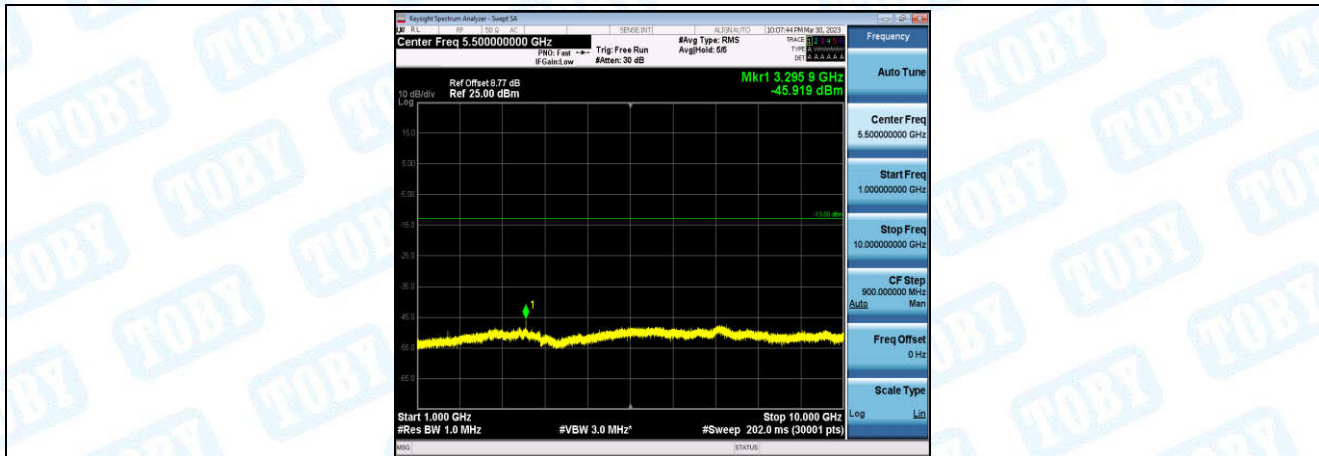
Band26-Stand-Alone-NaN-BPSK-26791-1@0-15kHz-0.009-0.15-0.009-0.15MHz@-64.98dBm--33-PASS



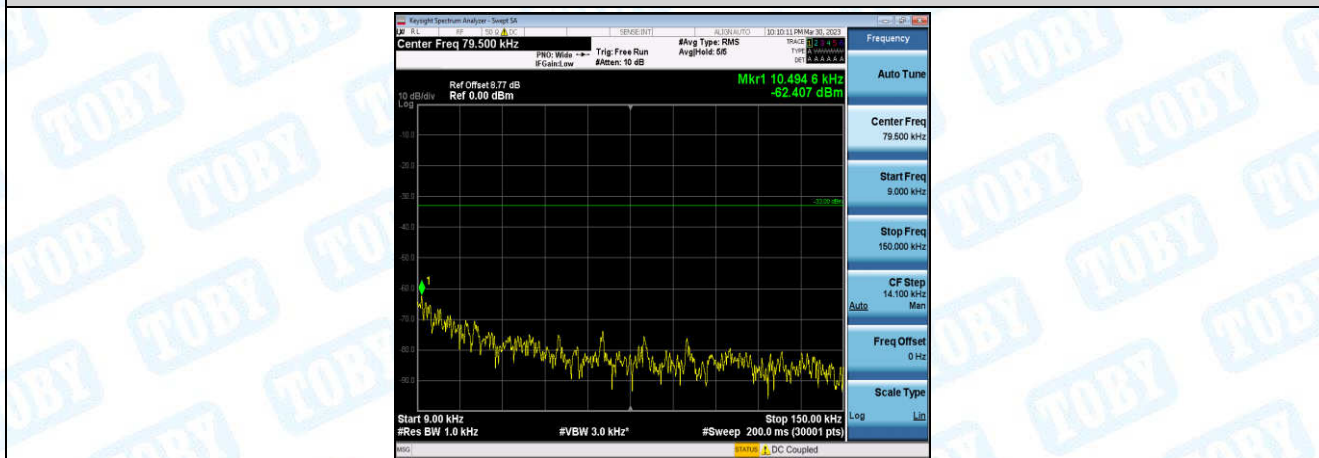
Band26-Stand-Alone-NaN-BPSK-26791-1@0-15kHz-0.15-30-0.15~30MHz@-67.94dBm--23-PASS



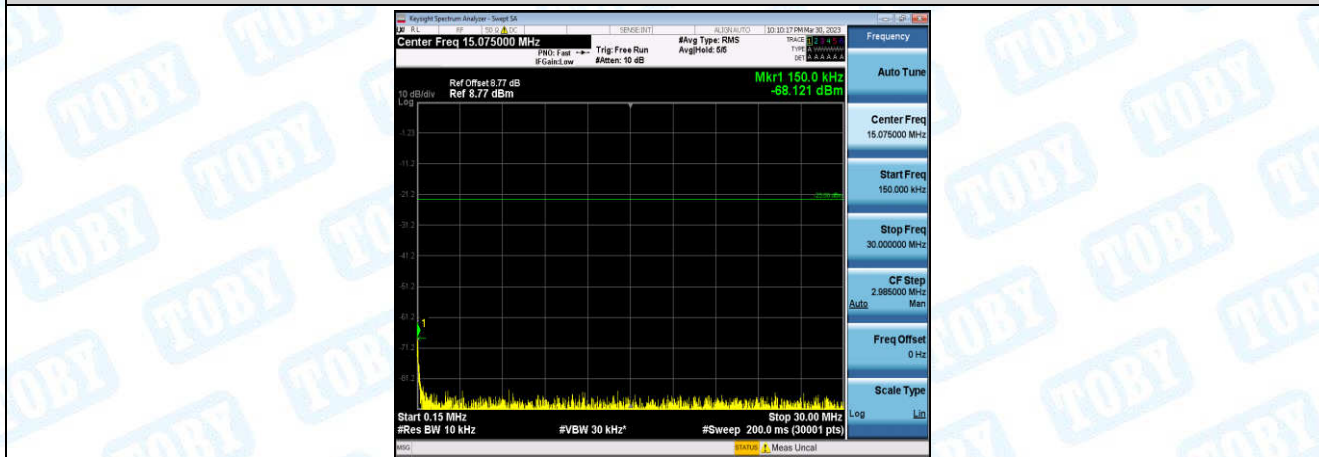
Band26-Stand-Alone-NaN-BPSK-26791-1@0-15kHz-30-1000-30~1000MHz@-59.12dBm--13-PASS



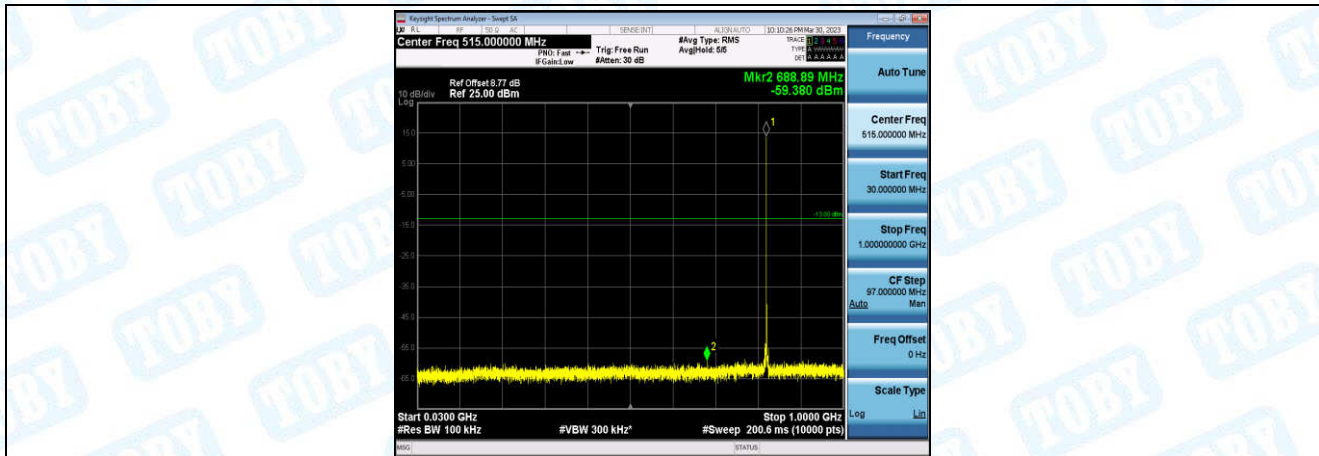
Band26-Stand-Alone-NaN-BPSK-26791-1@0-15kHz-1000-10000-1000~10000MHz@-45.92dBm--13-PASS



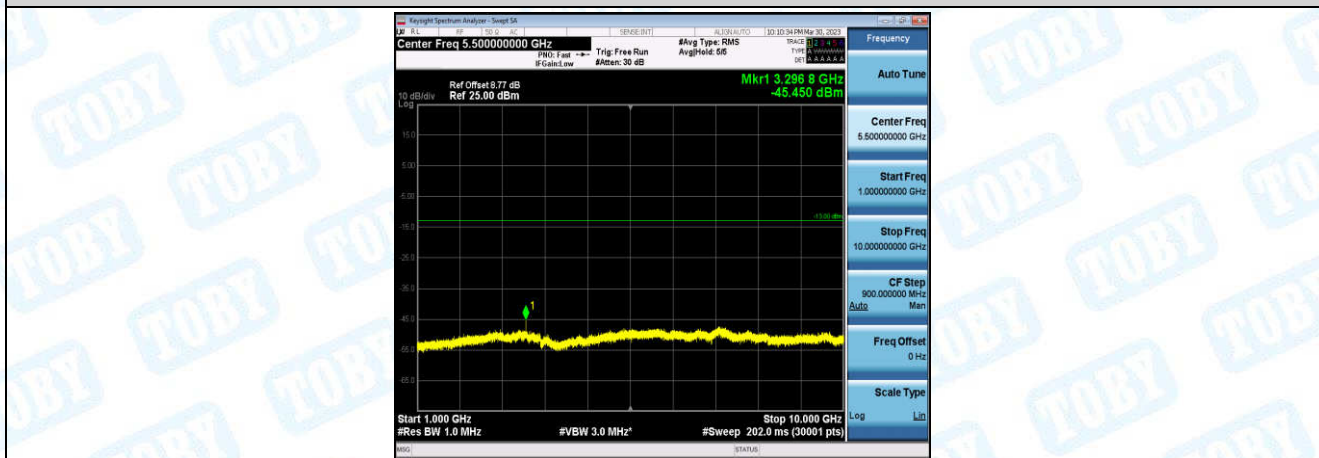
Band26-Stand-Alone-NaN-BPSK-26791-1@11-15kHz-0.009-0.15-0.009~0.15MHz@-62.41dBm--33-PASS



Band26-Stand-Alone-NaN-BPSK-26791-1@11-15kHz-0.15-30-0.15~30MHz@-68.12dBm--23-PASS



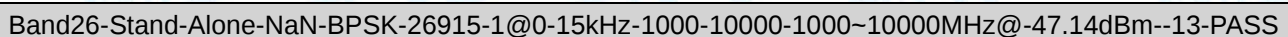
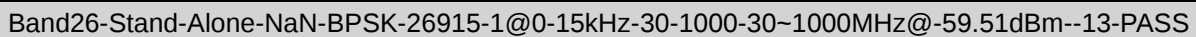
Band26-Stand-Alone-NaN-BPSK-26791-1@11-15kHz-30-1000-30~1000MHz@-59.38dBm--13-PASS

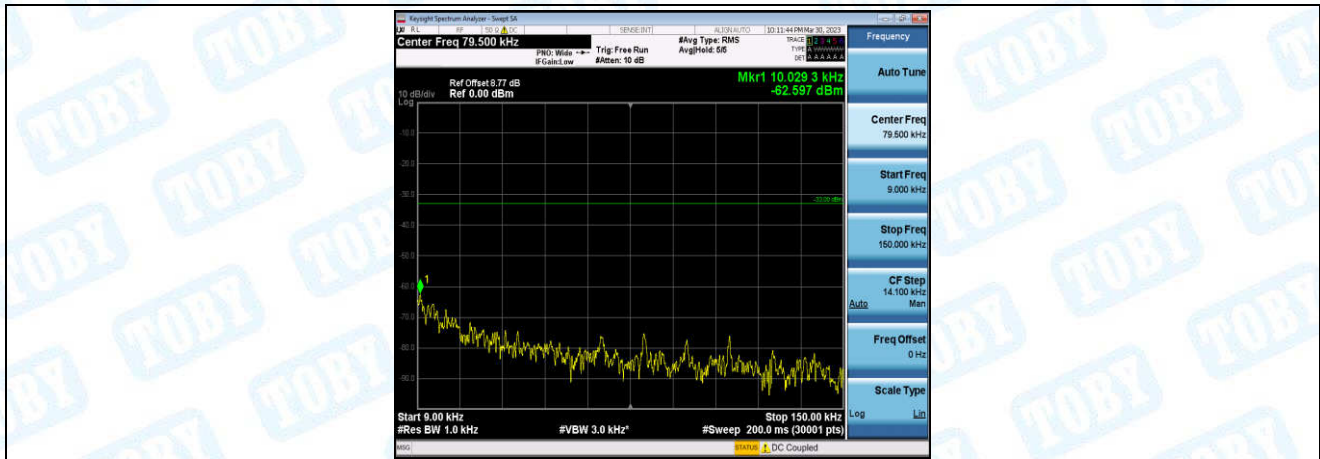


Band26-Stand-Alone-NaN-BPSK-26791-1@11-15kHz-1000-10000-1000~10000MHz@-45.45dBm--13-PASS

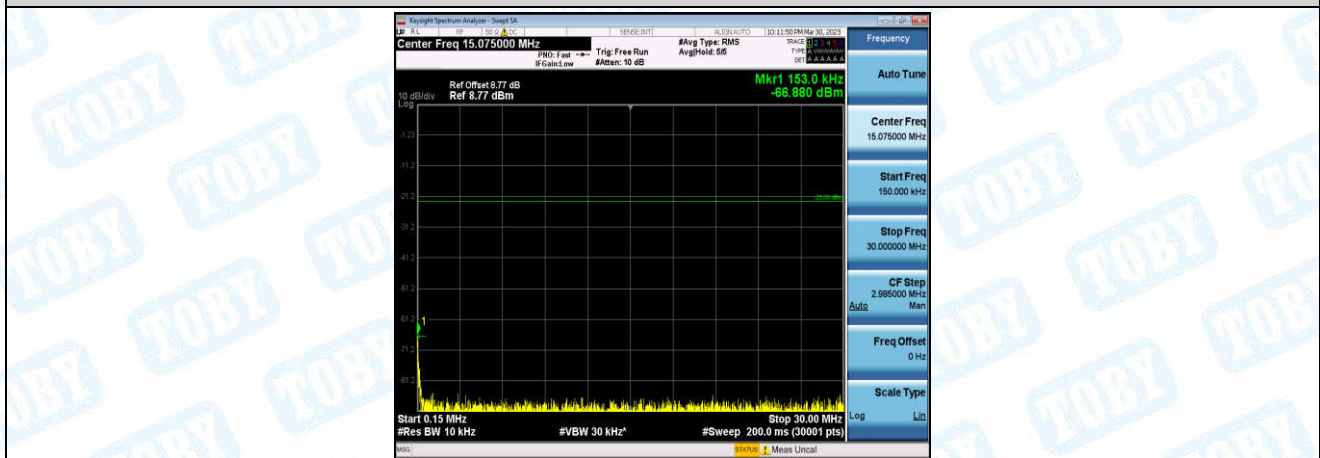


Band26-Stand-Alone-NaN-BPSK-26915-1@0-15kHz-0.009-0.15-0.009~0.15MHz@-63.54dBm--33-PASS

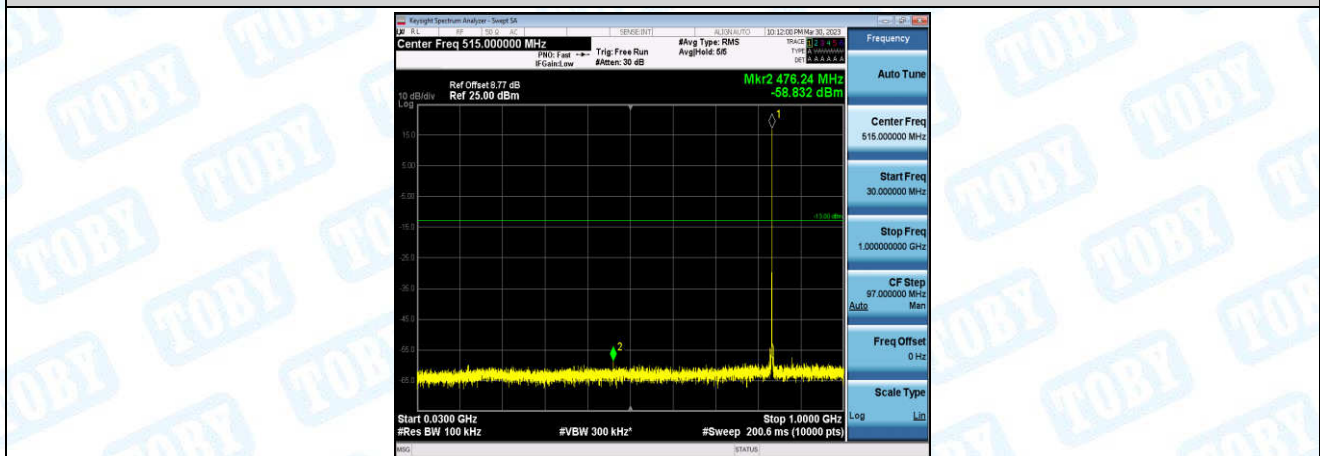




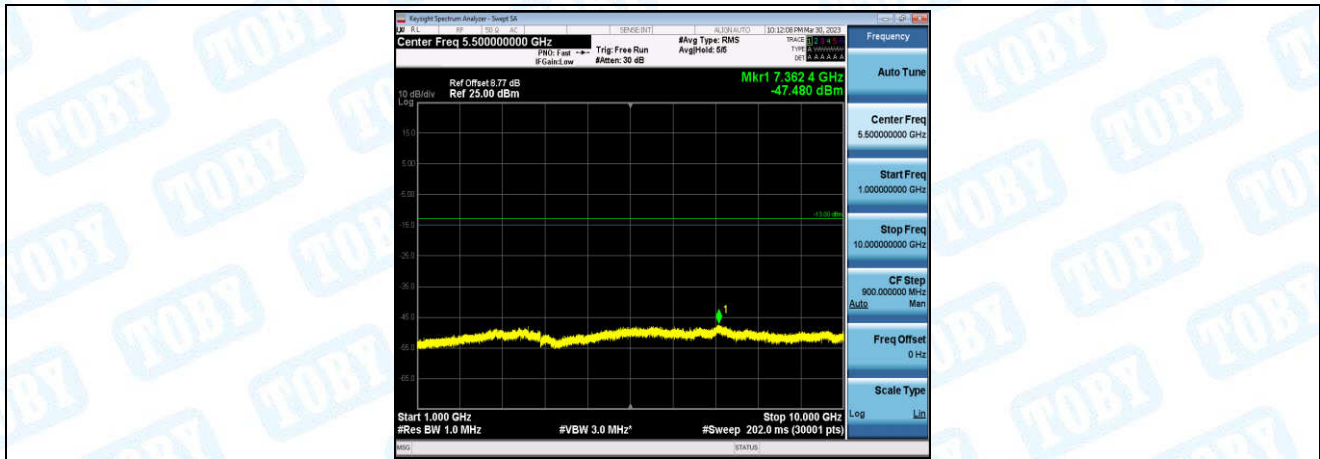
Band26-Stand-Alone-NaN-BPSK-26915-1@11-15kHz-0.009-0.15-0.009~0.15MHz@-62.6dBm--33-PASS



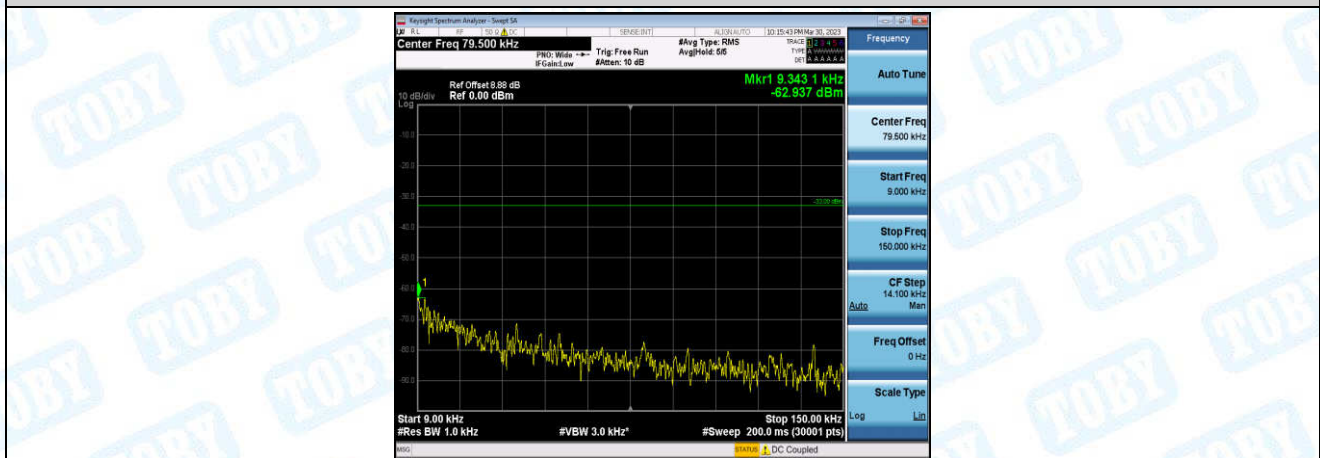
Band26-Stand-Alone-NaN-BPSK-26915-1@11-15kHz-0.15-30-0.15~30MHz@-66.88dBm--23-PASS



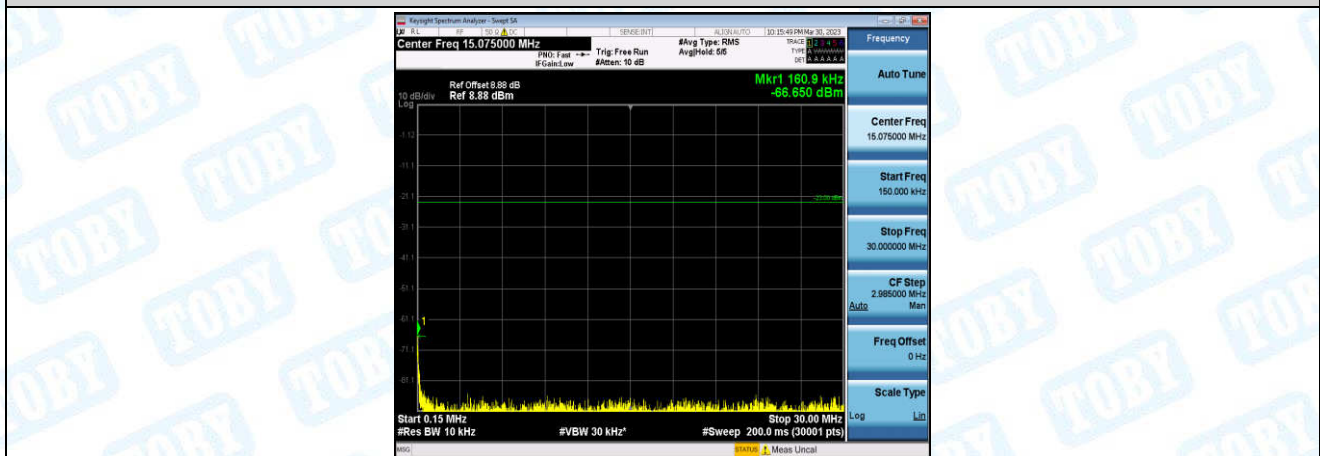
Band26-Stand-Alone-NaN-BPSK-26915-1@11-15kHz-30-1000-30~1000MHz@-58.83dBm--13-PASS



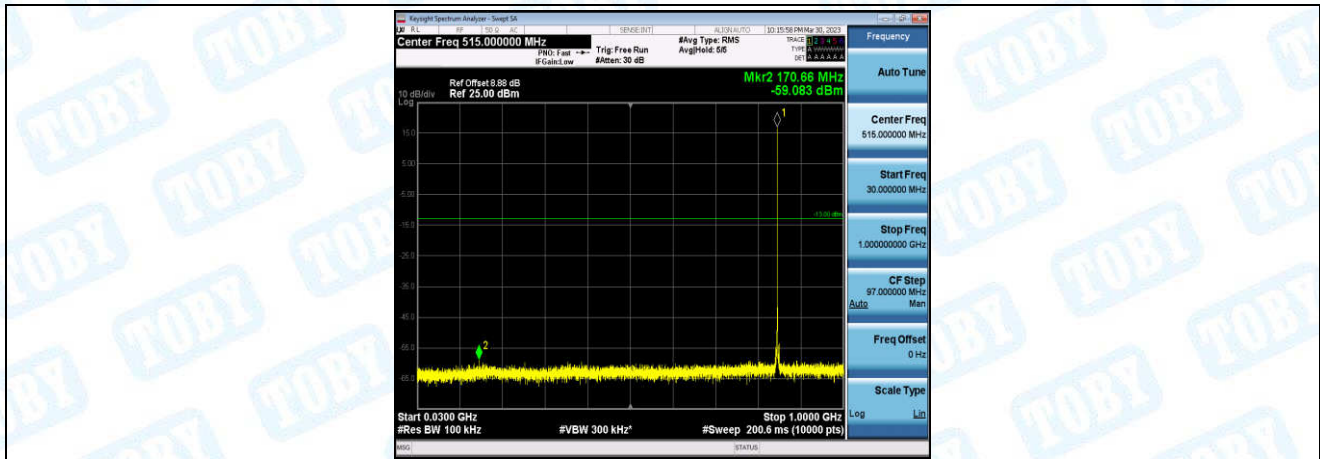
Band26-Stand-Alone-NaN-BPSK-26915-1@11-15kHz-1000-10000-1000~10000MHz@-47.48dBm--13-PASS



Band26-Stand-Alone-NaN-BPSK-27039-1@0-15kHz-0.009-0.15-0.009~0.15MHz@-62.94dBm--33-PASS



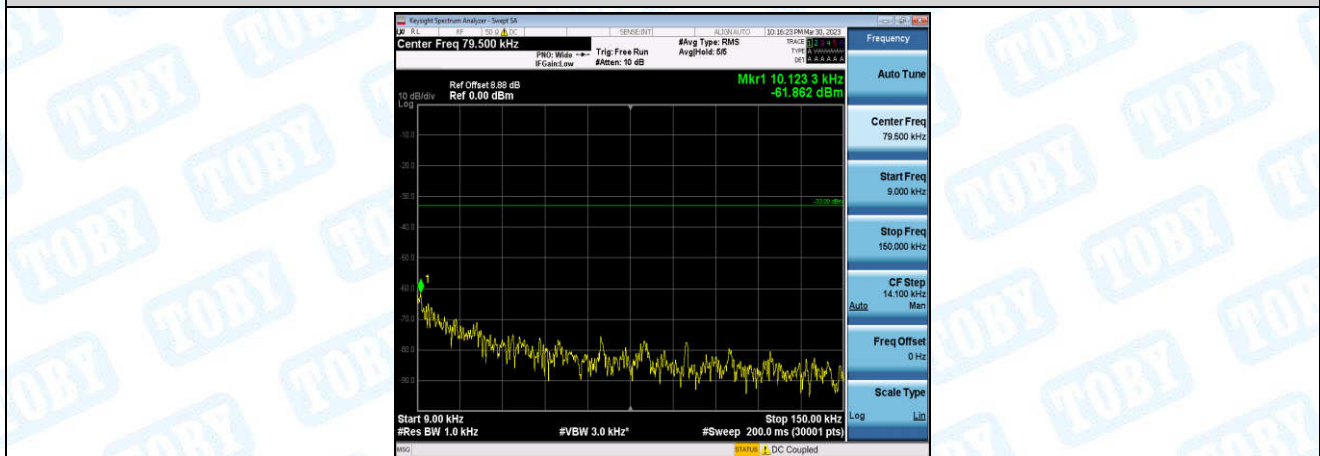
Band26-Stand-Alone-NaN-BPSK-27039-1@0-15kHz-0.15-30-0.15~30MHz@-66.65dBm--23-PASS



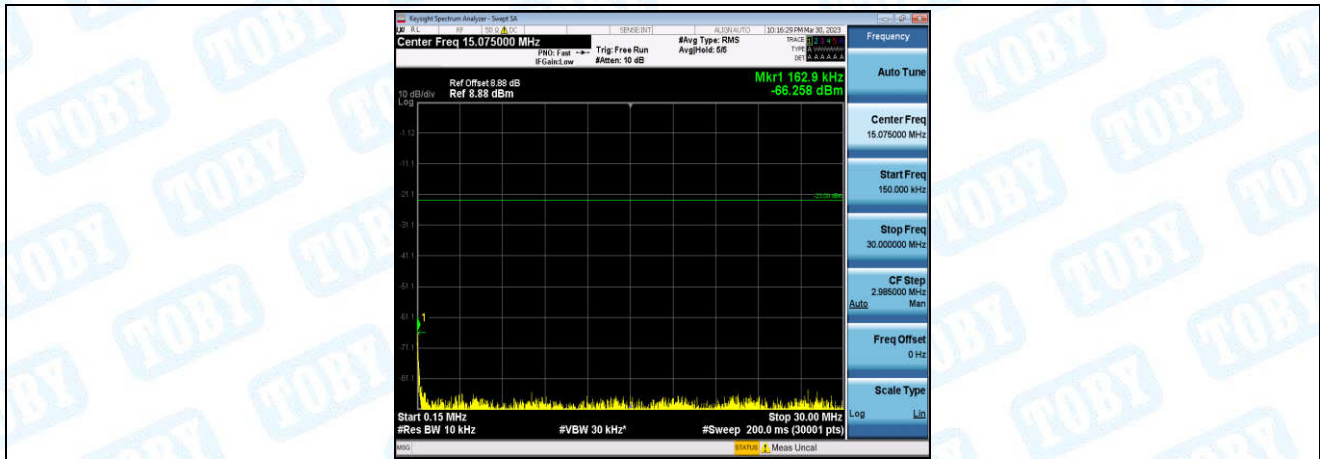
Band26-Stand-Alone-NaN-BPSK-27039-1@0-15kHz-30-1000-30~1000MHz@-59.08dBm--13-PASS



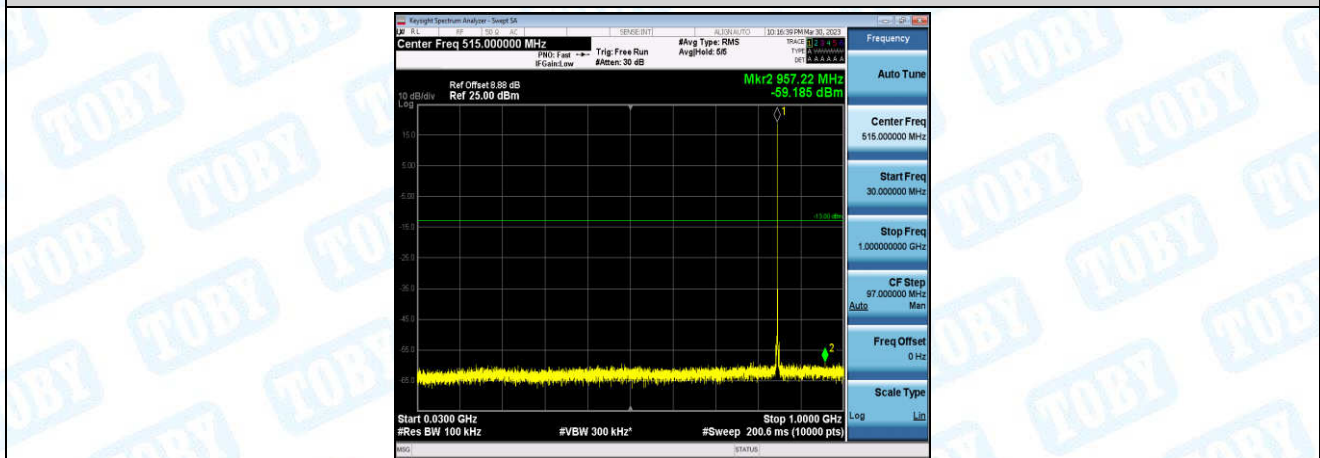
Band26-Stand-Alone-NaN-BPSK-27039-1@0-15kHz-1000-10000-1000~10000MHz@-47.1dBm--13-PASS



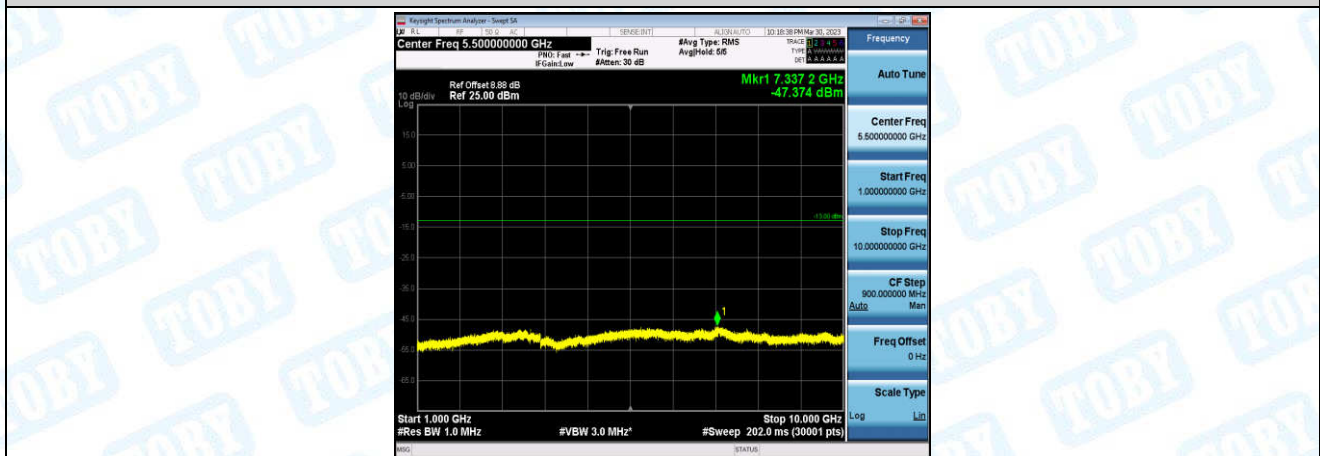
Band26-Stand-Alone-NaN-BPSK-27039-1@11-15kHz-0.009-0.15-0.009~0.15MHz@-61.86dBm--33-PASS



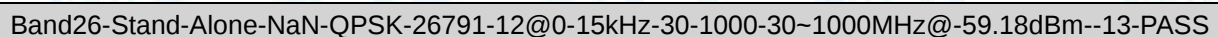
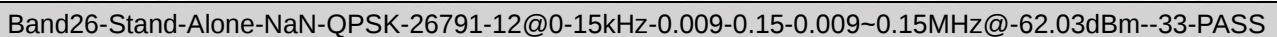
Band26-Stand-Alone-NaN-BPSK-27039-1@11-15kHz-0.15-30-0.15~30MHz@-66.26dBm--23-PASS

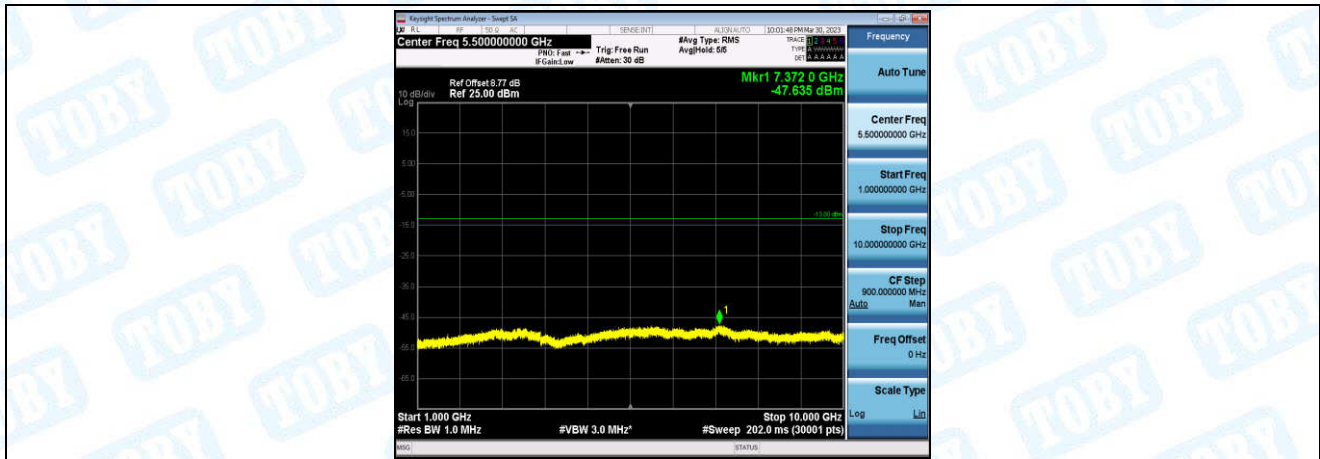


Band26-Stand-Alone-NaN-BPSK-27039-1@11-15kHz-30-1000-30~1000MHz@-59.19dBm--13-PASS



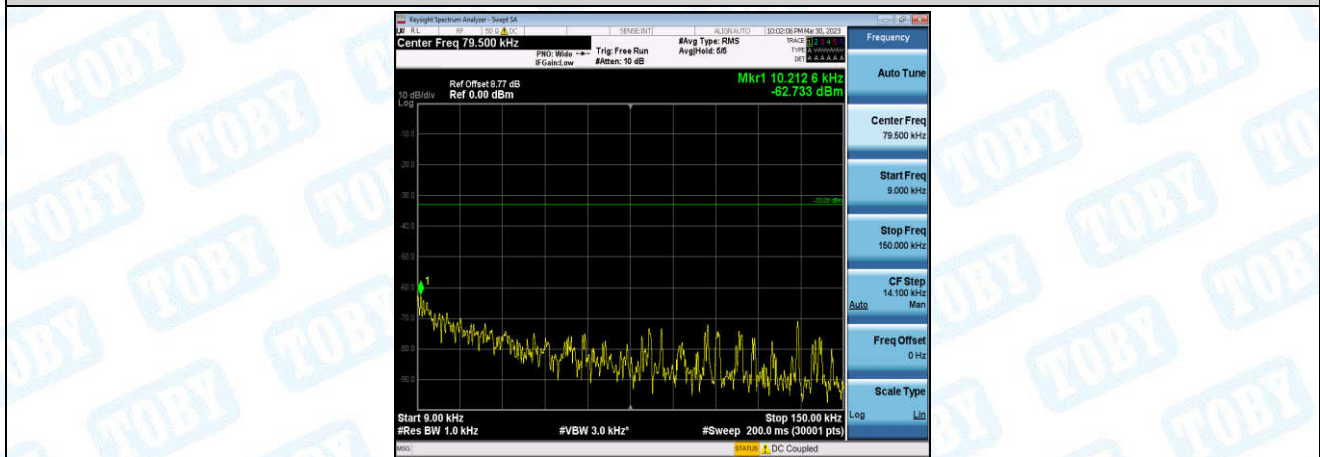
Band26-Stand-Alone-NaN-BPSK-27039-1@11-15kHz-1000-10000-1000~10000MHz@-47.37dBm--13-PASS





Band26-Stand-Alone-NaN-QPSK-26791-12@0-15kHz-1000-10000-1000~10000MHz@-47.64dBm--13-PAS

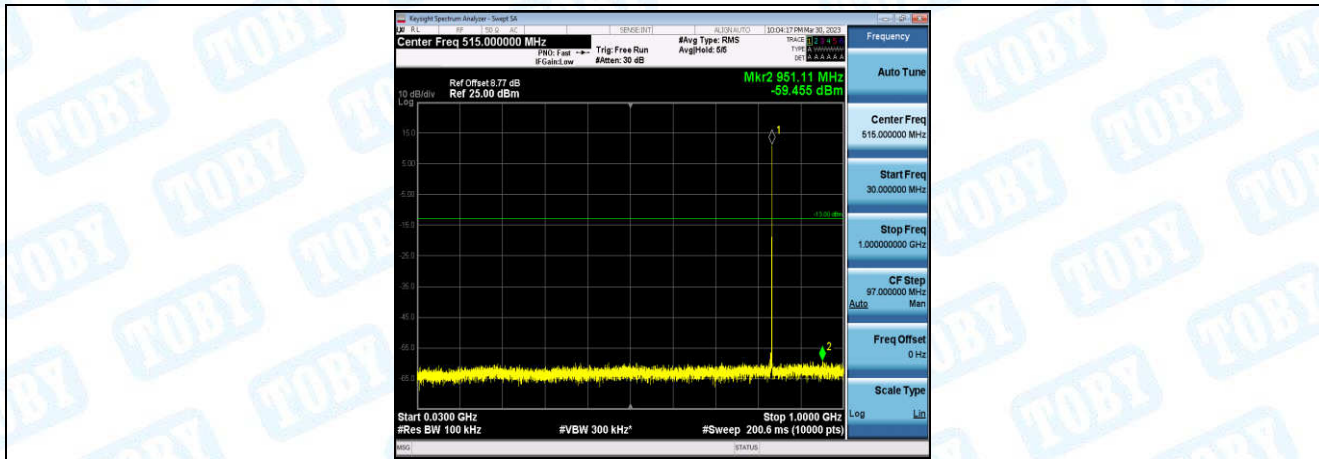
S



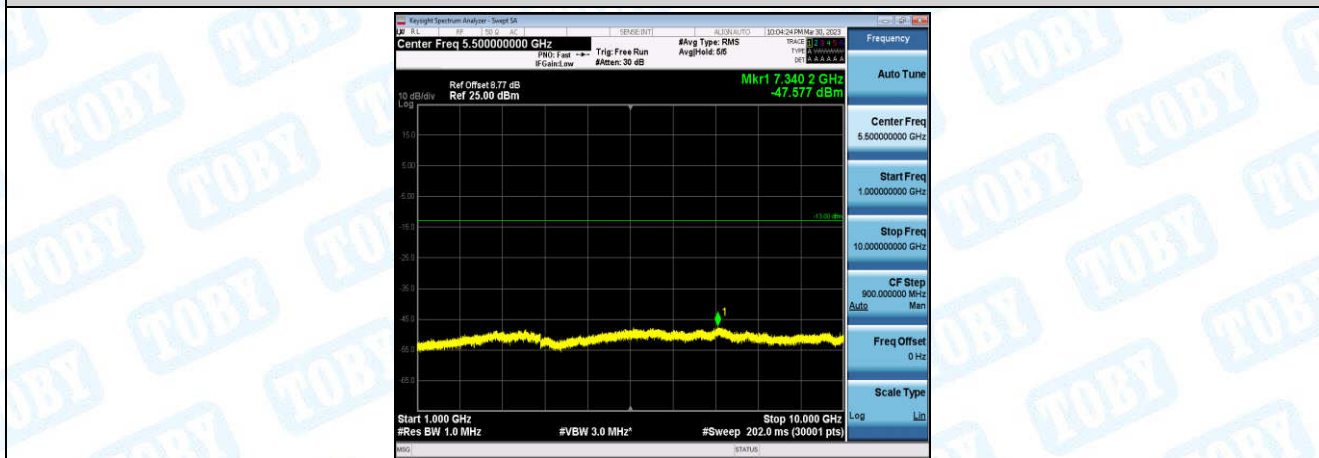
Band26-Stand-Alone-NaN-QPSK-26915-12@0-15kHz-0.009-0.15-0.009~0.15MHz@-62.73dBm--33-PASS



Band26-Stand-Alone-NaN-QPSK-26915-12@0-15kHz-0.15-30-0.15~30MHz@-69.93dBm--23-PASS

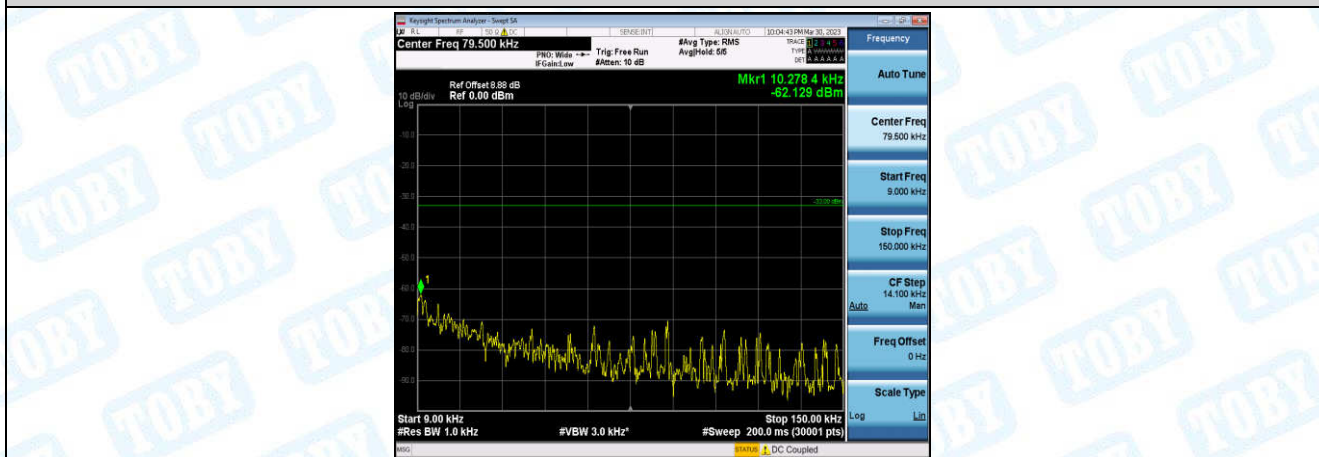


Band26-Stand-Alone-NaN-QPSK-26915-12@0-15kHz-30-1000-30~1000MHz@-59.46dBm--13-PASS

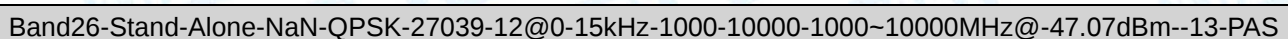
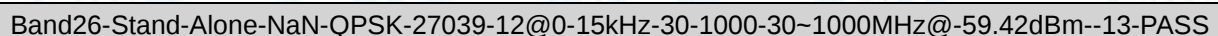
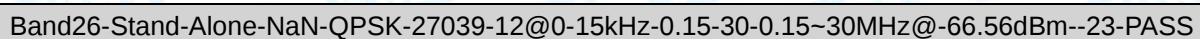


Band26-Stand-Alone-NaN-QPSK-26915-12@0-15kHz-1000-10000-1000~10000MHz@-47.58dBm--13-PAS

S



Band26-Stand-Alone-NaN-QPSK-27039-12@0-15kHz-0.009-0.15-0.009~0.15MHz@-62.13dBm--33-PASS



TB-RF-074-1.0

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	26915	1@0	VH	NT	11.29	0.013497	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@0	VL	NT	9.01	0.010771	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@0	VN	NT	5.87	0.007017	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@47	VH	NT	-3.16	-0.003778	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@47	VL	NT	8.25	0.009863	±2.5	PASS
Band26	Stand-Alone	3.75kHz	QPSK	26915	1@47	VN	NT	6.00	0.007173	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@0	VH	NT	-9.23	-0.011034	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@0	VL	NT	-6.52	-0.007794	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@0	VN	NT	-7.31	-0.008739	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@11	VH	NT	6.99	0.008356	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@11	VL	NT	6.43	0.007687	±2.5	PASS
Band26	Stand-Alone	15kHz	QPSK	26915	1@11	VN	NT	6.58	0.007866	±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-----