

FCC LTE NB-IOT Band 13 Test Data

General Description of EUT	
Product Name:	AirSuite Sense LTE
Test Model:	SSCM860
Sample ID:	202303-0011-01-02#
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-202303-0011-101 . The report only show the worst case data.	

Contents

FCC LTE NB-IOT Band 13 Test Data	1
1: Conducted Power 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	34
6: Frequency Stability for NB1.....	69
6.1 Test Result.....	69

1: Conducted Power Data for NB1

1.1 Test Result

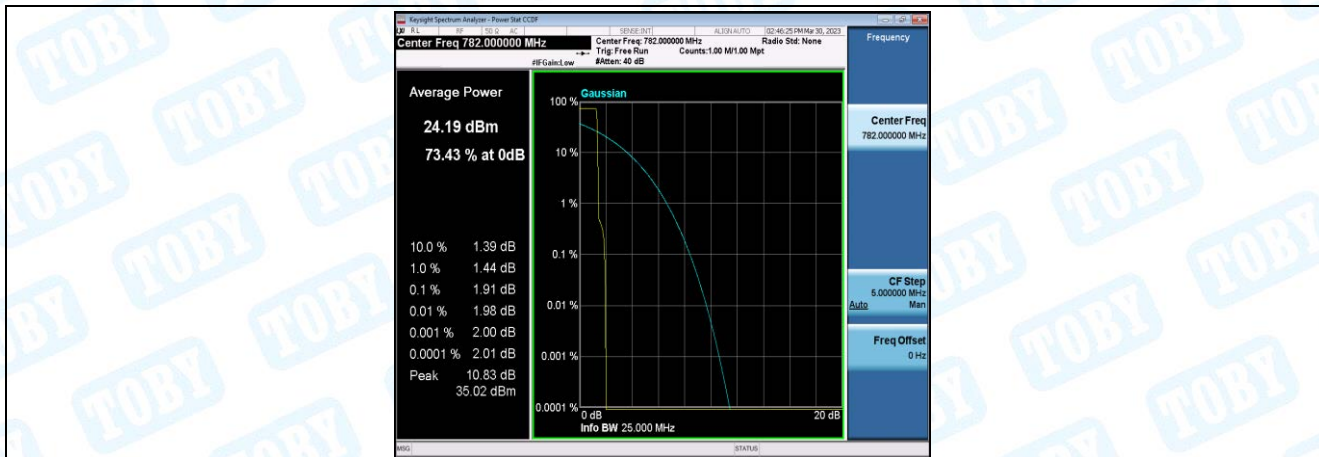
Band	OpMode	BW	Modu	Channel	Tones	Result (dBm)	Verdict
Band13	Stand-Alone	3.75kHz	BPSK	23181	1@0	23.63	PASS
Band13	Stand-Alone	3.75kHz	BPSK	23181	1@47	23.55	PASS
Band13	Stand-Alone	3.75kHz	BPSK	23230	1@0	23.59	PASS
Band13	Stand-Alone	3.75kHz	BPSK	23230	1@47	23.57	PASS
Band13	Stand-Alone	3.75kHz	BPSK	23279	1@0	23.54	PASS
Band13	Stand-Alone	3.75kHz	BPSK	23279	1@47	23.52	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@0	23.67	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@47	23.58	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	23.56	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	23.57	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23279	1@0	23.55	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23279	1@47	23.55	PASS
Band13	Stand-Alone	15kHz	BPSK	23181	1@0	23.59	PASS
Band13	Stand-Alone	15kHz	BPSK	23181	1@11	23.63	PASS
Band13	Stand-Alone	15kHz	BPSK	23181	3@3	23.57	PASS
Band13	Stand-Alone	15kHz	BPSK	23230	1@0	23.66	PASS
Band13	Stand-Alone	15kHz	BPSK	23230	1@11	23.55	PASS
Band13	Stand-Alone	15kHz	BPSK	23230	3@3	23.51	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	1@0	23.55	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	1@11	23.55	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	3@3	23.47	PASS
Band13	Stand-Alone	15kHz	QPSK	23181	1@0	23.59	PASS
Band13	Stand-Alone	15kHz	QPSK	23181	1@11	23.69	PASS
Band13	Stand-Alone	15kHz	QPSK	23181	3@3	23.62	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@0	23.55	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@11	23.54	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	3@3	23.52	PASS
Band13	Stand-Alone	15kHz	QPSK	23279	1@0	23.45	PASS
Band13	Stand-Alone	15kHz	QPSK	23279	1@11	23.45	PASS
Band13	Stand-Alone	15kHz	QPSK	23279	3@3	23.50	PASS

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

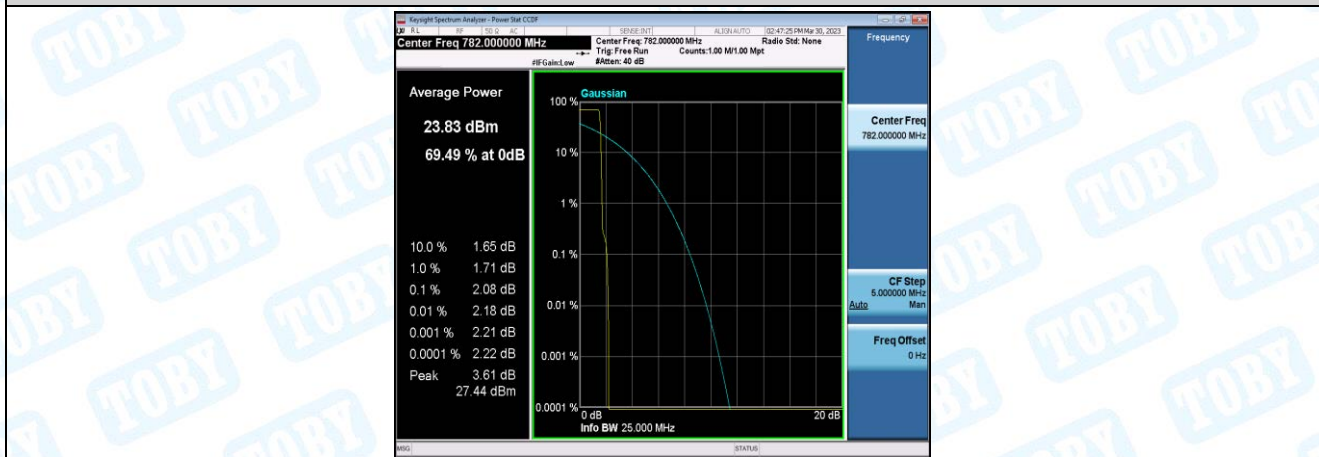
2.1 Test Result

Band	OpMode	BW	Modu	Channel	Tones	Result (dBm)	Limit (dBm)	Verdict
Band13	Stand-Alone	3.75kHz	BPSK	23230	1@0	1.91	<=13	PASS
Band13	Stand-Alone	3.75kHz	BPSK	23230	1@47	2.08	<=13	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	1.88	<=13	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	1.61	<=13	PASS
Band13	Stand-Alone	15kHz	BPSK	23230	1@0	3.91	<=13	PASS
Band13	Stand-Alone	15kHz	BPSK	23230	1@11	3.8	<=13	PASS
Band13	Stand-Alone	15kHz	BPSK	23230	3@3	9.76	<=13	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@0	4.99	<=13	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@11	8.16	<=13	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	3@3	12	<=13	PASS

2.2 Test Graphs



Band13-Stand-Alone-NaN-BPSK-23230-1@0-3.75kHz-1.91-<=13-PASS



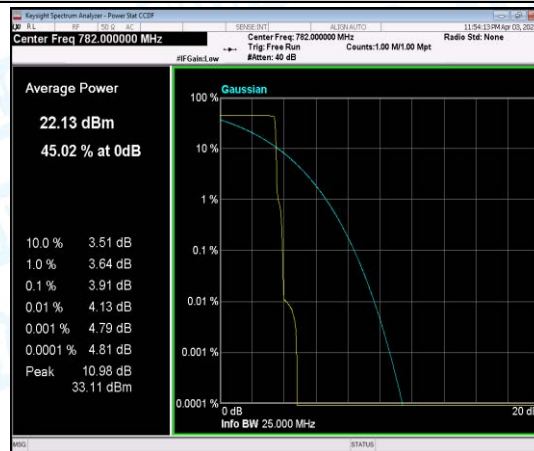
Band13-Stand-Alone-NaN-BPSK-23230-1@47-3.75kHz-2.08-<=13-PASS



Band13-Stand-Alone-NaN-QPSK-23230-1@0-3.75kHz-1.88-<=13-PASS



Band13-Stand-Alone-NaN-QPSK-23230-1@47-3.75kHz-1.61-<=13-PASS



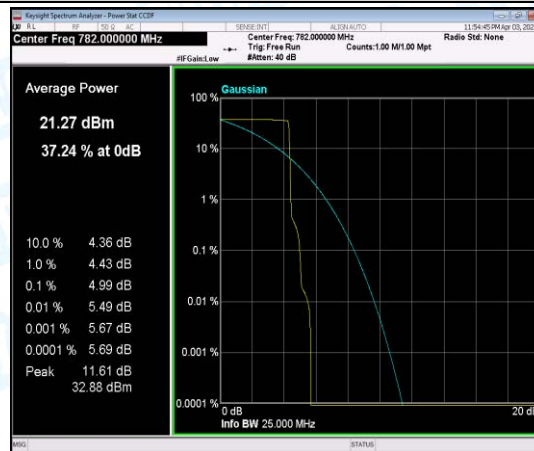
Band13-Stand-Alone-NaN-BPSK-23230-1@0-15kHz-3.91-<=13-PASS



Band13-Stand-Alone-NaN-BPSK-23230-1@11-15kHz-3.8-<=13-PASS



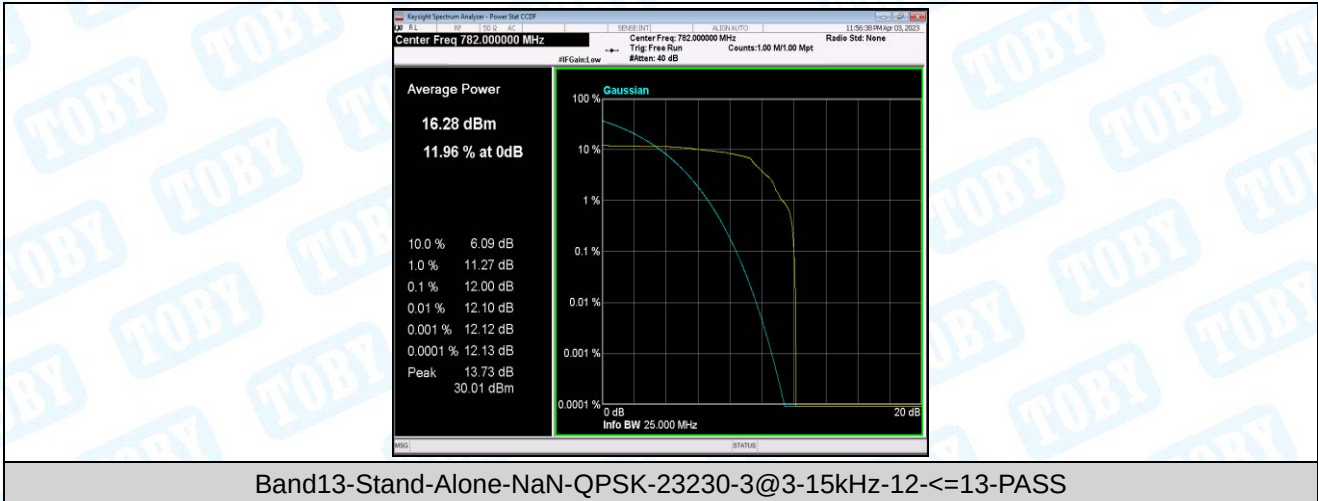
Band13-Stand-Alone-NaN-BPSK-23230-3@3-15kHz-9.76-<=13-PASS



Band13-Stand-Alone-NaN-QPSK-23230-1@0-15kHz-4.99-<=13-PASS



Band13-Stand-Alone-NaN-QPSK-23230-1@11-15kHz-8.16-<=13-PASS



3: Emission Bandwidth for NB1

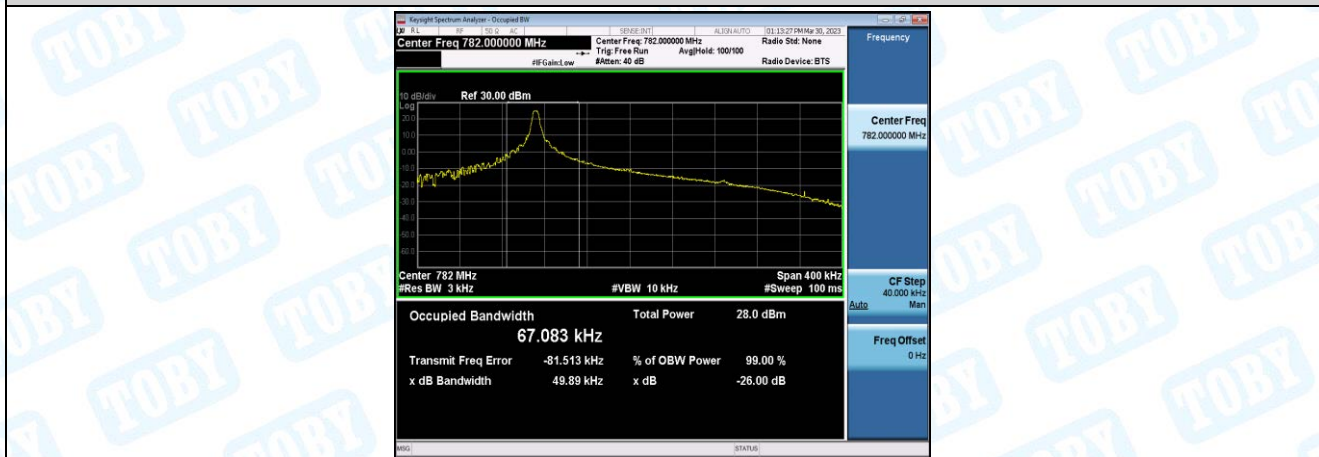
3.1 Test Result

Band	OpMode	BW	Modu	Channel	Tones	Occupied Bandwidth (MHz)	Result (MHz)	Verdict
Band13	Stand-Alone	3.75kHz	BPSK	23181	1@0	0.0778	0.0507	PASS
Band13	Stand-Alone	3.75kHz	BPSK	23230	1@0	0.0671	0.0499	PASS
Band13	Stand-Alone	3.75kHz	BPSK	23279	1@0	0.0725	0.0506	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@0	0.0888	0.0536	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	0.0889	0.0543	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23279	1@0	0.0887	0.0536	PASS
Band13	Stand-Alone	15kHz	BPSK	23181	1@0	0.1368	0.1243	PASS
Band13	Stand-Alone	15kHz	BPSK	23181	12@0	0.1867	0.3031	PASS
Band13	Stand-Alone	15kHz	BPSK	23230	1@0	0.1353	0.1272	PASS
Band13	Stand-Alone	15kHz	BPSK	23230	12@0	0.1848	0.3053	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	1@0	0.1343	0.1242	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	12@0	0.1885	0.3068	PASS
Band13	Stand-Alone	15kHz	QPSK	23181	1@0	0.1401	0.1457	PASS
Band13	Stand-Alone	15kHz	QPSK	23181	12@0	0.1872	0.2912	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	1@0	0.1442	0.1449	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	12@0	0.1883	0.2833	PASS
Band13	Stand-Alone	15kHz	QPSK	23279	1@0	0.1430	0.1455	PASS
Band13	Stand-Alone	15kHz	QPSK	23279	12@0	0.1880	0.2845	PASS

3.2 Test Graphs



Band13-Stand-Alone-NaN-BPSK-23181-1@0-3.75kHz-0.0507-PASS



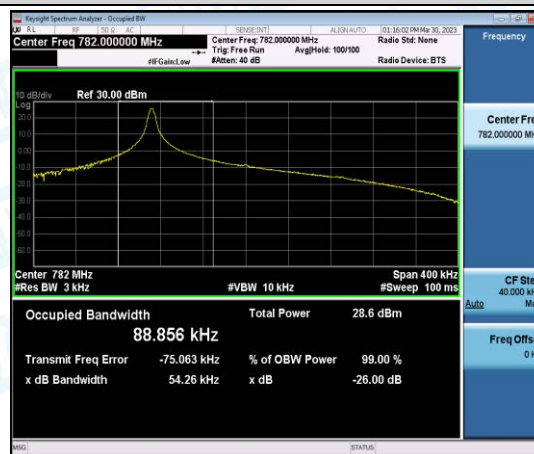
Band13-Stand-Alone-NaN-BPSK-23230-1@0-3.75kHz-0.0499-PASS



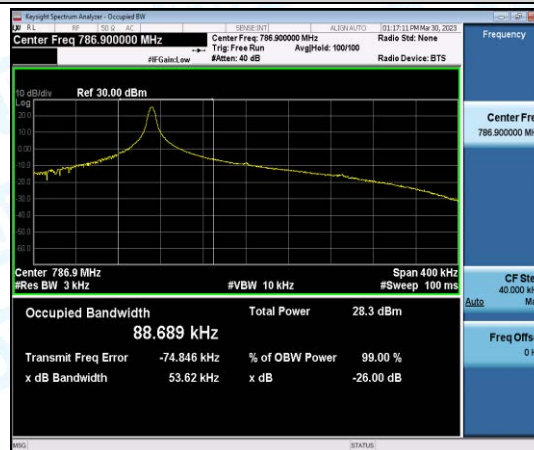
Band13-Stand-Alone-NaN-BPSK-23279-1@0-3.75kHz-0.0506-PASS



Band13-Stand-Alone-NaN-QPSK-23181-1@0-3.75kHz-0.0536-PASS



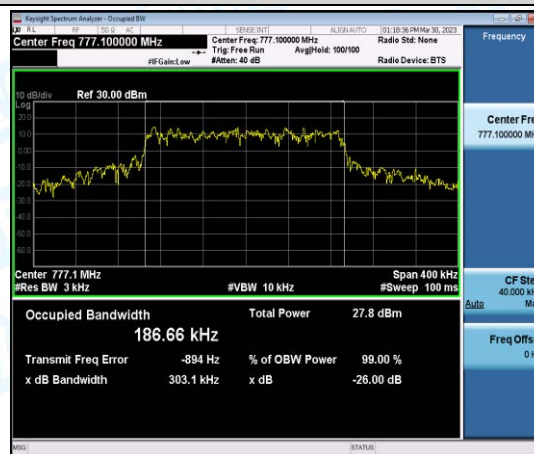
Band13-Stand-Alone-NaN-QPSK-23230-1@0-3.75kHz-0.0543-PASS



Band13-Stand-Alone-NaN-QPSK-23279-1@0-3.75kHz-0.0536-PASS



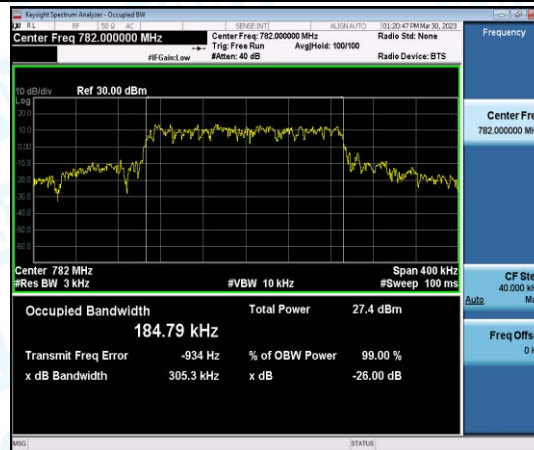
Band13-Stand-Alone-NaN-BPSK-23181-1@0-15kHz-0.1243-PASS



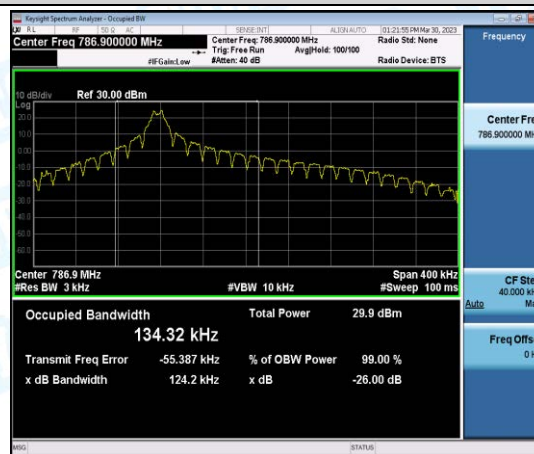
Band13-Stand-Alone-NaN-BPSK-23181-12@0-15kHz-0.3031-PASS



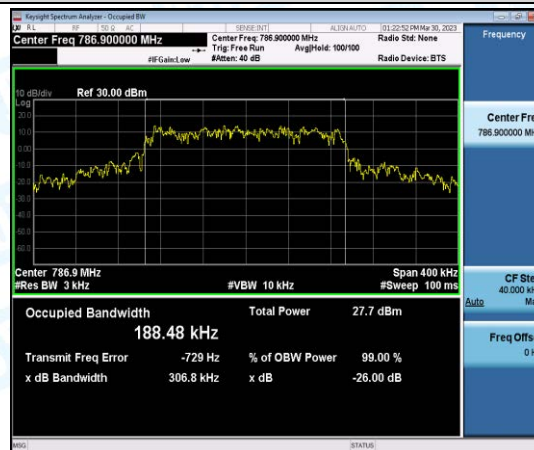
Band13-Stand-Alone-NaN-BPSK-23230-1@0-15kHz-0.1272-PASS



Band13-Stand-Alone-NaN-BPSK-23230-12@0-15kHz-0.3053-PASS



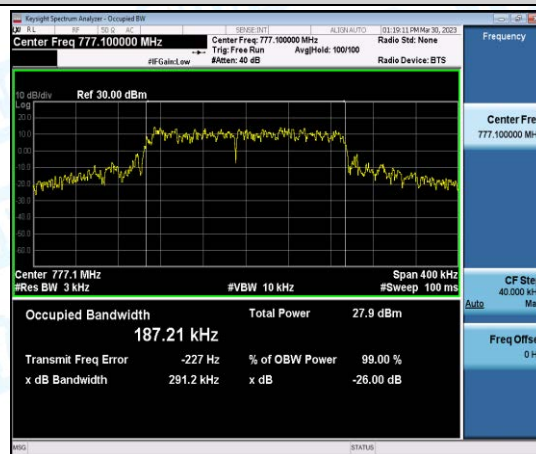
Band13-Stand-Alone-NaN-BPSK-23279-1@0-15kHz-0.1242-PASS



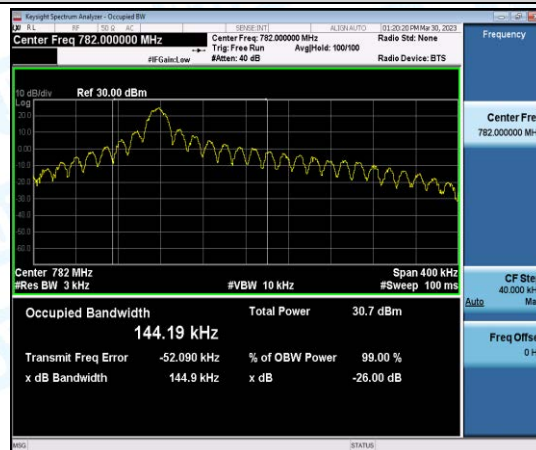
Band13-Stand-Alone-NaN-BPSK-23279-12@0-15kHz-0.3068-PASS



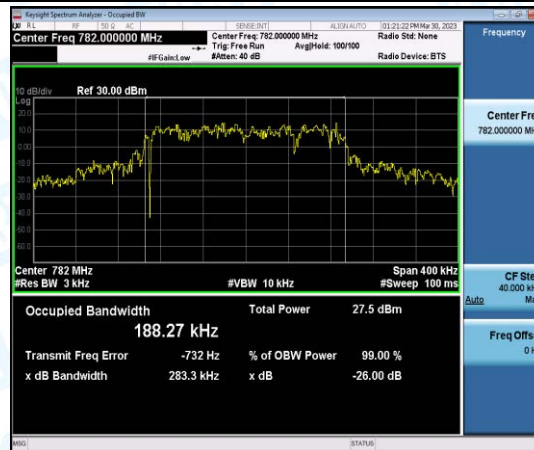
Band13-Stand-Alone-NaN-QPSK-23181-1@0-15kHz-0.1457-PASS



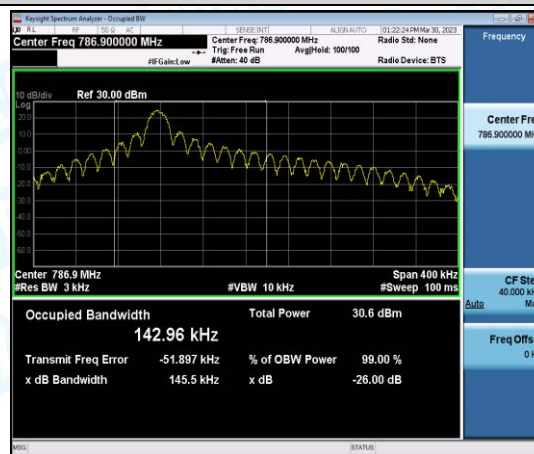
Band13-Stand-Alone-NaN-QPSK-23181-12@0-15kHz-0.2912-PASS



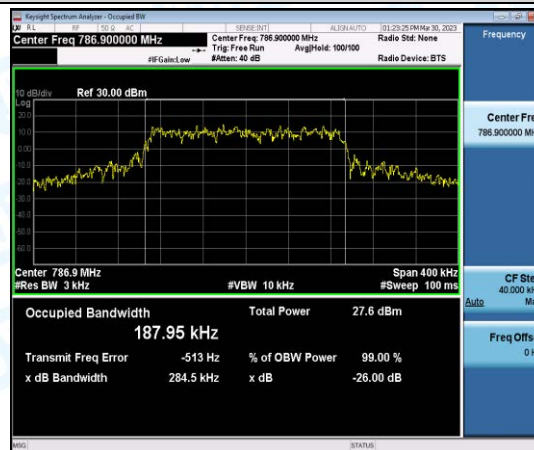
Band13-Stand-Alone-NaN-QPSK-23230-1@0-15kHz-0.1449-PASS



Band13-Stand-Alone-NaN-QPSK-23230-12@0-15kHz-0.2833-PASS



Band13-Stand-Alone-NaN-QPSK-23279-1@0-15kHz-0.1455-PASS



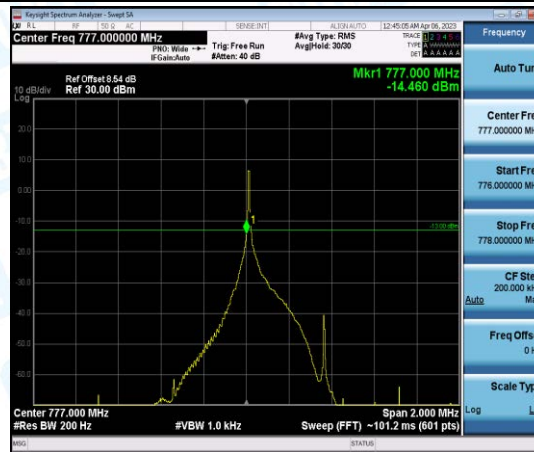
Band13-Stand-Alone-NaN-QPSK-23279-12@0-15kHz-0.2845-PASS

4: Band Edge for NB1

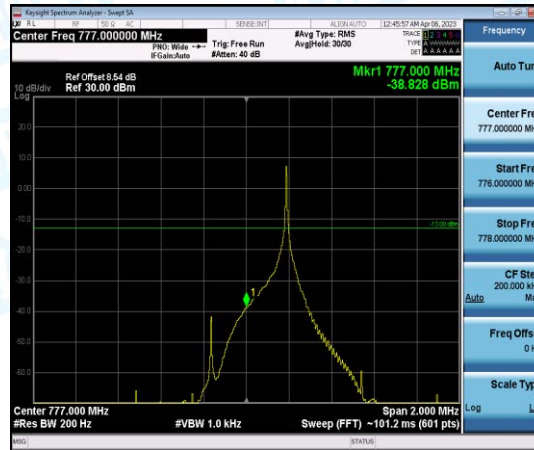
4.1 Test Result

Band	OpMode	BW	Modu	Channel	Tones	Result (dBm)	Verdict
Band13	Stand-Alone	3.75kHz	BPSK	23181	1@0	-14.46	PASS
Band13	Stand-Alone	3.75kHz	BPSK	23181	1@47	-38.83	PASS
Band13	Stand-Alone	3.75kHz	BPSK	23279	1@0	-39.39	PASS
Band13	Stand-Alone	3.75kHz	BPSK	23279	1@47	-15.29	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@0	-15.97	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@47	-38.88	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23279	1@0	-39.63	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23279	1@47	-16.49	PASS
Band13	Stand-Alone	15kHz	BPSK	23181	1@0	-13.81	PASS
Band13	Stand-Alone	15kHz	BPSK	23181	1@11	-34.16	PASS
Band13	Stand-Alone	15kHz	BPSK	23181	12@0	-36.87	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	1@0	-33.75	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	1@11	-14.84	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	12@0	-40.75	PASS
Band13	Stand-Alone	15kHz	QPSK	23181	1@0	-15.43	PASS
Band13	Stand-Alone	15kHz	QPSK	23181	1@11	-34.33	PASS
Band13	Stand-Alone	15kHz	QPSK	23181	12@0	-37.86	PASS
Band13	Stand-Alone	15kHz	QPSK	23279	1@0	-36.69	PASS
Band13	Stand-Alone	15kHz	QPSK	23279	1@11	-18.92	PASS
Band13	Stand-Alone	15kHz	QPSK	23279	12@0	-36.92	PASS

4.2 Test Graphs



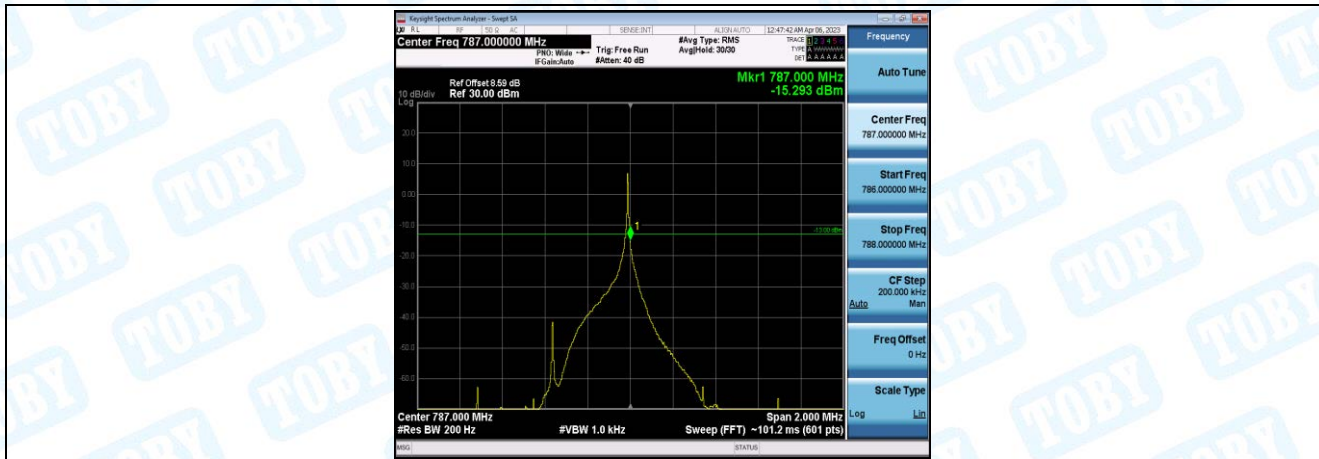
Band13-Stand-Alone-NaN-BPSK-23181-1@0-3.75kHz--14.46-PASS



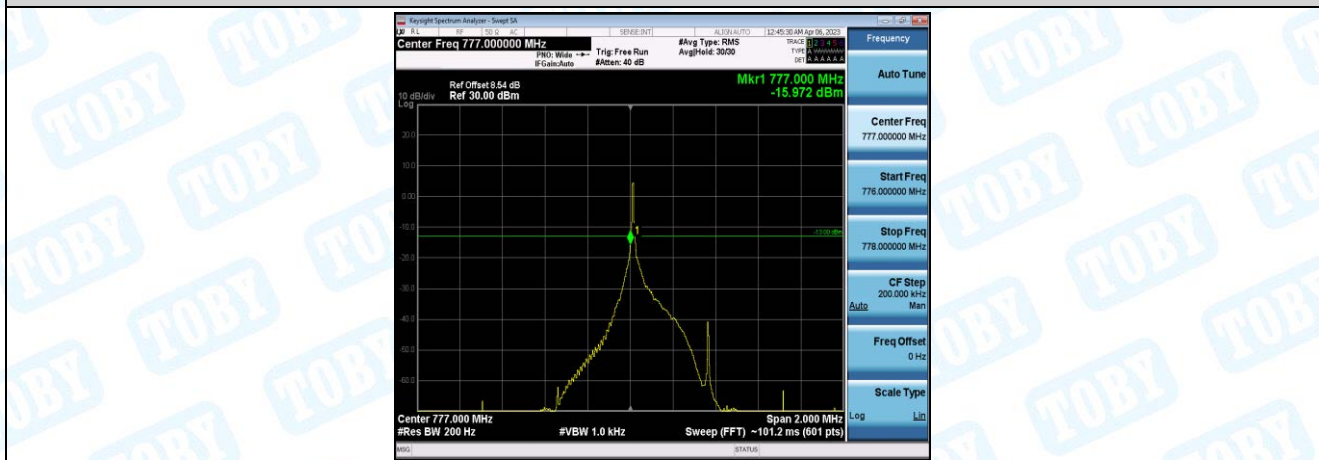
Band13-Stand-Alone-NaN-BPSK-23181-1@47-3.75kHz--38.83-PASS



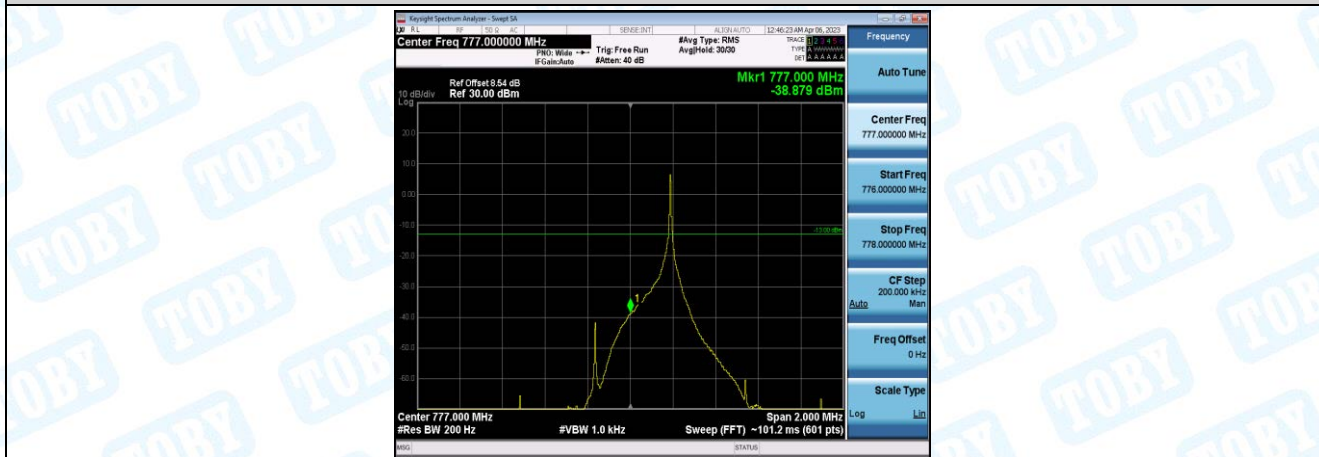
Band13-Stand-Alone-NaN-BPSK-23279-1@0-3.75kHz--39.39-PASS



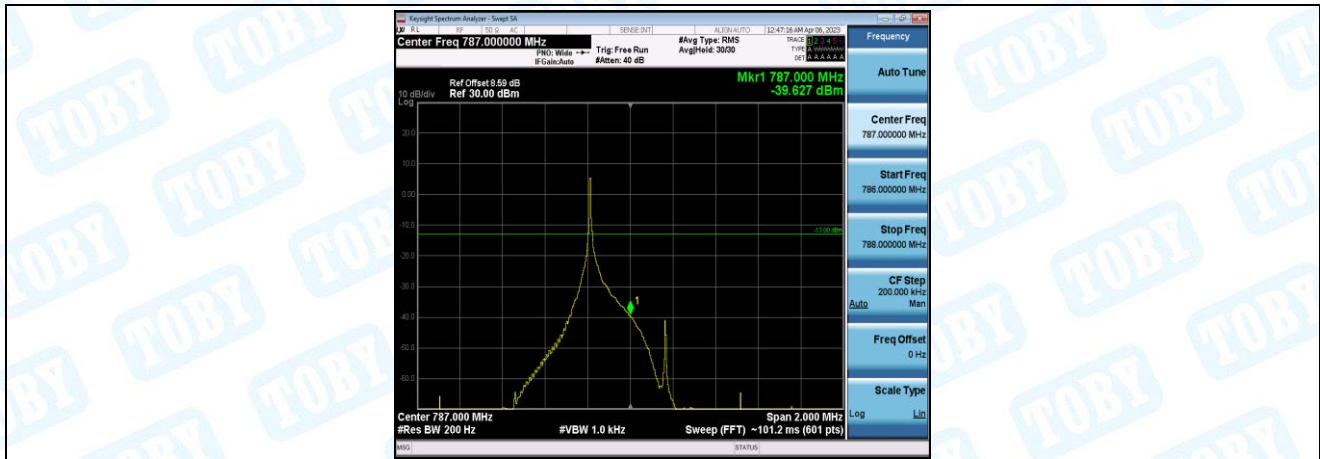
Band13-Stand-Alone-NaN-BPSK-23279-1@47-3.75kHz--15.29-PASS



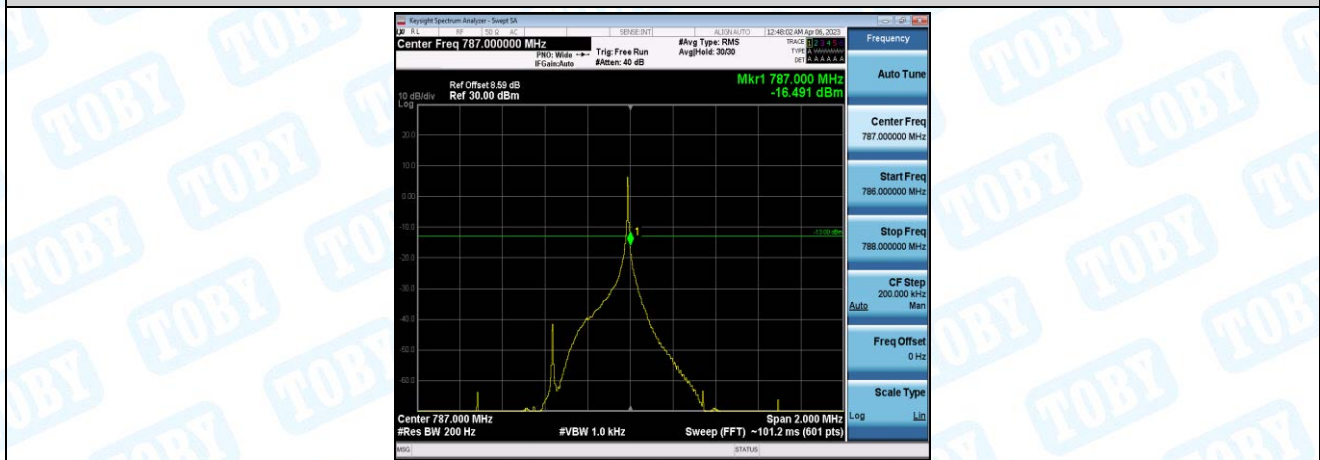
Band13-Stand-Alone-NaN-QPSK-23181-1@0-3.75kHz--15.97-PASS



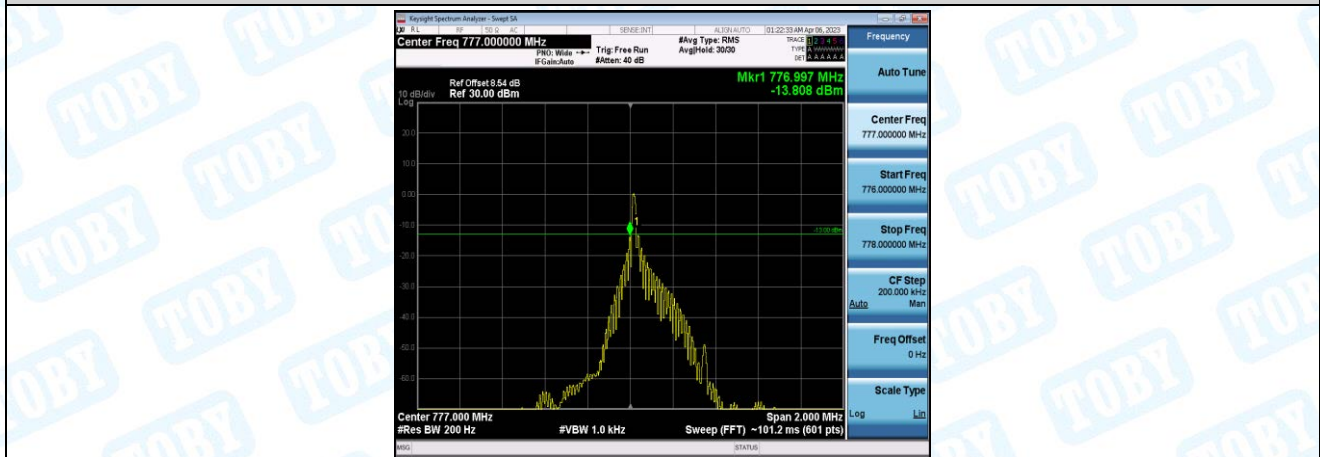
Band13-Stand-Alone-NaN-QPSK-23181-1@47-3.75kHz--38.88-PASS



Band13-Stand-Alone-NaN-QPSK-23279-1@0-3.75kHz--39.63-PASS



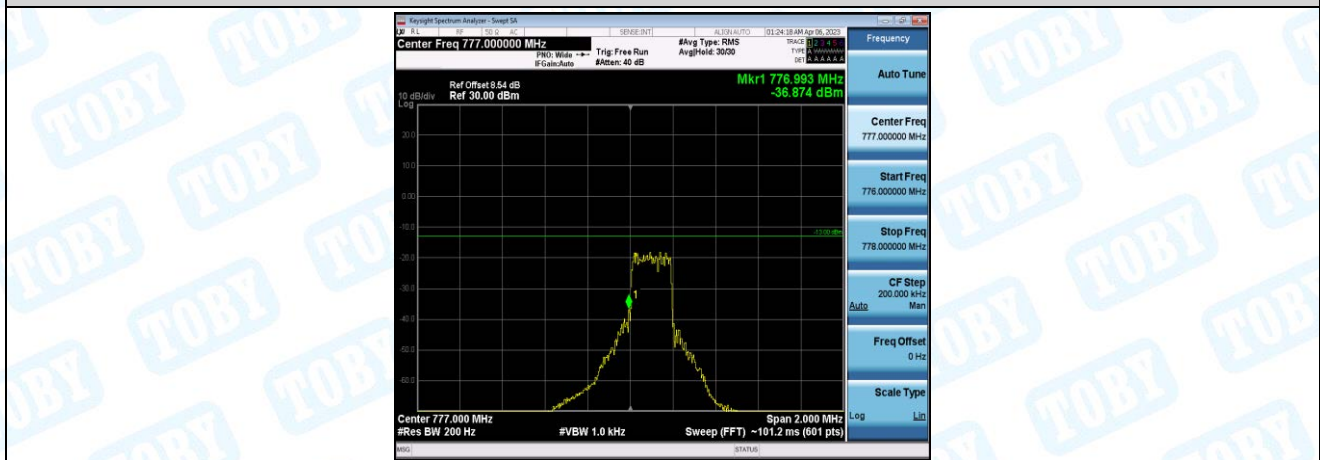
Band13-Stand-Alone-NaN-QPSK-23279-1@47-3.75kHz--16.49-PASS



Band13-Stand-Alone-NaN-BPSK-23181-1@0-15kHz--13.81-PASS



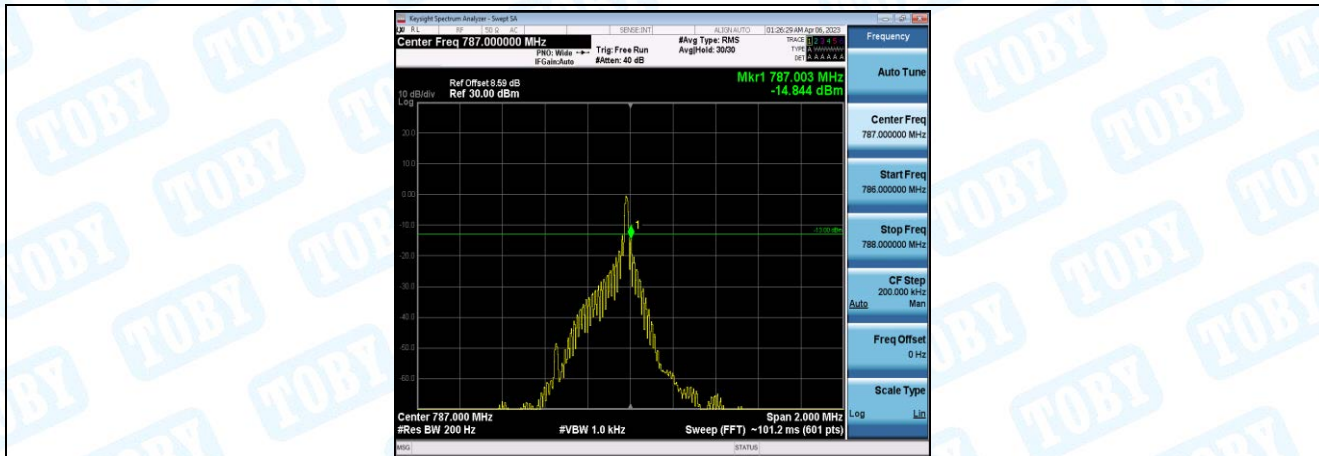
Band13-Stand-Alone-NaN-BPSK-23181-1@11-15kHz--34.16-PASS



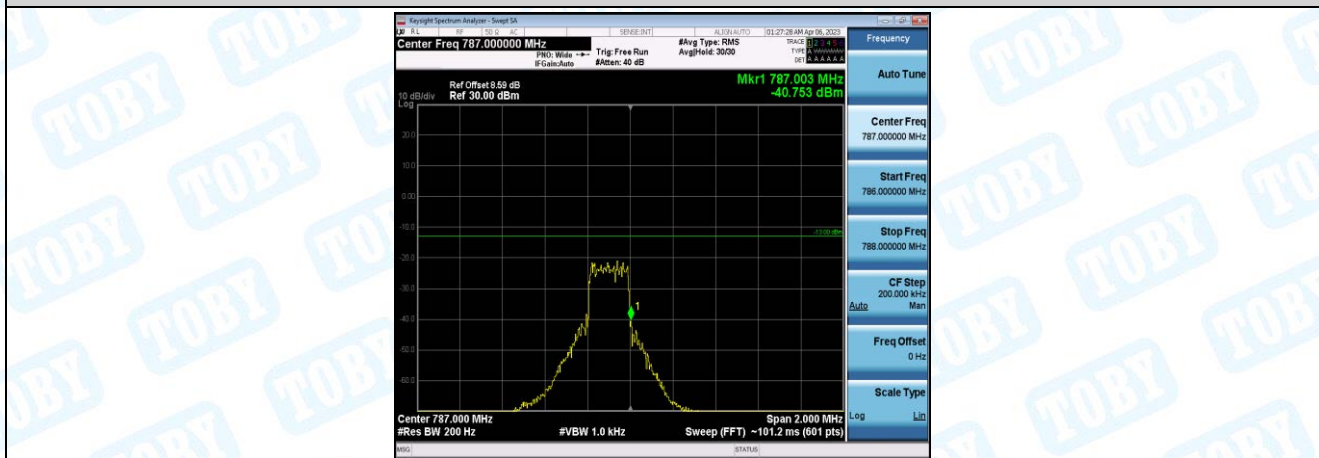
Band13-Stand-Alone-NaN-BPSK-23181-12@0-15kHz--36.87-PASS



Band13-Stand-Alone-NaN-BPSK-23279-1@0-15kHz--33.75-PASS



Band13-Stand-Alone-NaN-BPSK-23279-1@11-15kHz--14.84-PASS



Band13-Stand-Alone-NaN-BPSK-23279-12@0-15kHz--40.75-PASS



Band13-Stand-Alone-NaN-QPSK-23181-1@0-15kHz--15.43-PASS



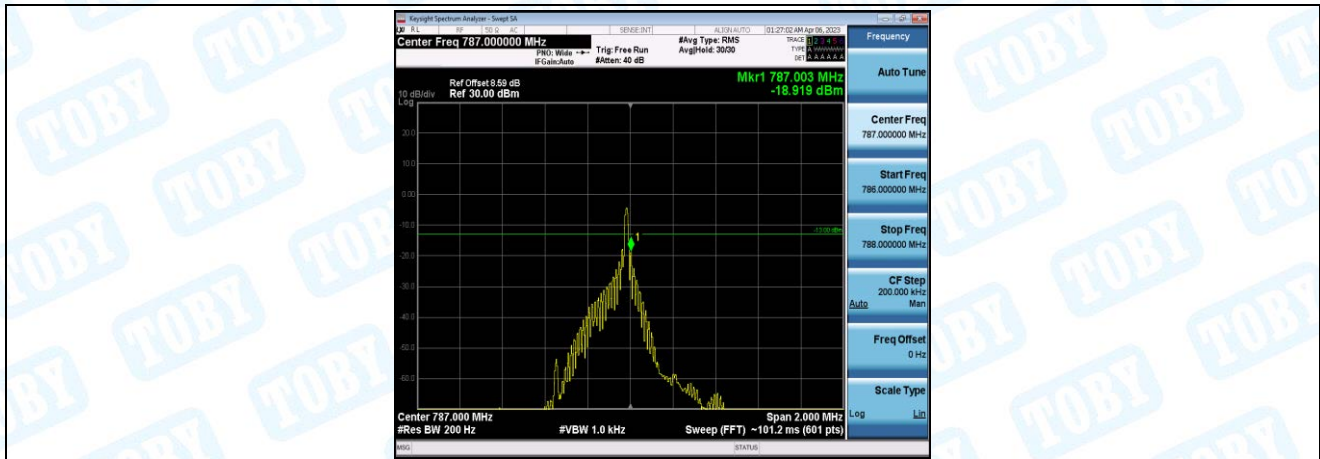
Band13-Stand-Alone-NaN-QPSK-23181-1@11-15kHz--34.33-PASS



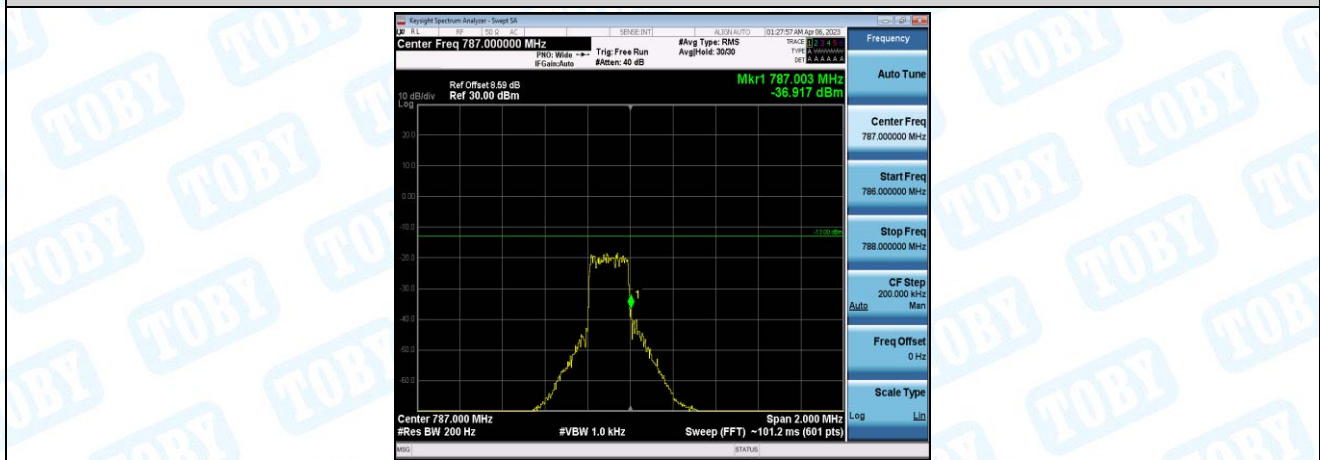
Band13-Stand-Alone-NaN-QPSK-23181-12@0-15kHz--37.86-PASS



Band13-Stand-Alone-NaN-QPSK-23279-1@0-15kHz--36.69-PASS



Band13-Stand-Alone-NaN-QPSK-23279-1@11-15kHz--18.92-PASS



Band13-Stand-Alone-NaN-QPSK-23279-12@0-15kHz--36.92-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
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@0	0.009	0.15	0.009~0.15MHz @-62.82dBm	-33	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@0	0.15	30	0.15~30MHz @-66.39dBm	-23	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@0	30	1000	30~1000MHz @-59.05dBm	-13	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@0	763	775	763~775MHz @-58.54dBm	-35	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@0	793	805	793~805MHz @-62.2dBm	-35	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@0	1000	10000	1000~10000MHz @-47.63dBm	-13	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@0	1559	1610	1559~1610MHz @-69.21dBm	-50	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@47	0.009	0.15	0.009~0.15MHz @-60.45dBm	-33	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@47	0.15	30	0.15~30MHz @-67.13dBm	-23	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@47	30	1000	30~1000MHz	-13	PASS

								@-59.0 3dBm		
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@47	763	775	763~77 5MHz @-57.9 8dBm	-35	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@47	793	805	793~80 5MHz @-62.3 4dBm	-35	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@47	1000	1000 0	1000~1 0000M Hz@-4 7.62dB m	-13	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23181	1@47	1559	1610	1559~1 610MH z@-68. 64dBm	-50	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	0.009	0.15	0.009~ 0.15MH z@-62. 55dBm	-33	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	0.15	30	0.15~3 0MHz @-69.1 1dBm	-23	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	30	1000	30~100 0MHz @-59.2 2dBm	-13	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	763	775	763~77 5MHz @-62.0 4dBm	-35	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	793	805	793~80 5MHz @-62.6 1dBm	-35	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	1000	1000 0	1000~1 0000M Hz@-4 6.98dB m	-13	PASS

Band13	Stand-Alone	3.75kHz	QPSK	23230	1@0	1559	1610	1559~1610MHz z@-77.5dBm	-50	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	0.009	0.15	0.009~0.15MHz z@-62.34dBm	-33	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	0.15	30	0.15~30MHz @-67.79dBm	-23	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	30	1000	30~1000MHz @-58.72dBm	-13	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	763	775	763~775MHz @-62.42dBm	-35	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	793	805	793~805MHz @-62.2dBm	-35	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	1000	10000	1000~10000MHz @-47.67dBm	-13	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23230	1@47	1559	1610	1559~1610MHz z@-65.8dBm	-50	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23279	1@0	0.009	0.15	0.009~0.15MHz z@-63.55dBm	-33	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23279	1@0	0.15	30	0.15~30MHz @-67.41dBm	-23	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23279	1@0	30	1000	30~1000MHz @-59.67dBm	-13	PASS

Band13	Stand-Alone	3.75kHz	QPSK	23279	1@0	763	775	763~775MHz @-62.15dBm	-35	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23279	1@0	793	805	793~805MHz @-62.34dBm	-35	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23279	1@0	1000	10000	1000~10000MHz @-47.42dBm	-13	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23279	1@0	1559	1610	1559~1610MHz @-69.28dBm	-50	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23279	1@47	0.009	0.15	0.009~0.15MHz @-64.68dBm	-33	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23279	1@47	0.15	30	0.15~30MHz @-68.62dBm	-23	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23279	1@47	30	1000	30~1000MHz @-59.01dBm	-13	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23279	1@47	763	775	763~775MHz @-62dBm	-35	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23279	1@47	793	805	793~805MHz @-63.09dBm	-35	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23279	1@47	1000	10000	1000~10000MHz @-47.65dBm	-13	PASS
Band13	Stand-Alone	3.75kHz	QPSK	23279	1@47	1559	1610	1559~1610MHz @-68.	-50	PASS

								14dBm		
Band13	Stand-Alone	15kHz	BPSK	23181	1@0	0.009	0.15	0.009~0.15MHz @-62.5dBm	-33	PASS
Band13	Stand-Alone	15kHz	BPSK	23181	1@0	0.15	30	0.15~30MHz @-63.34dBm	-23	PASS
Band13	Stand-Alone	15kHz	BPSK	23181	1@0	30	1000	30~1000MHz @-59.34dBm	-13	PASS
Band13	Stand-Alone	15kHz	BPSK	23181	1@0	763	775	763~775MHz @-56.01dBm	-35	PASS
Band13	Stand-Alone	15kHz	BPSK	23181	1@0	793	805	793~805MHz @-62.06dBm	-35	PASS
Band13	Stand-Alone	15kHz	BPSK	23181	1@0	1000	10000	1000~10000MHz @-45.41dBm	-13	PASS
Band13	Stand-Alone	15kHz	BPSK	23181	1@0	1559	1610	1559~1610MHz @-67.49dBm	-50	PASS
Band13	Stand-Alone	15kHz	BPSK	23181	1@11	0.009	0.15	0.009~0.15MHz @-63.65dBm	-33	PASS
Band13	Stand-Alone	15kHz	BPSK	23181	1@11	0.15	30	0.15~30MHz @-64.65dBm	-23	PASS
Band13	Stand-Alone	15kHz	BPSK	23181	1@11	30	1000	30~1000MHz @-59.41dBm	-13	PASS
Band13	Stand-Alone	15kHz	BPSK	23181	1@11	763	775	763~775MHz	-35	PASS

								@-62.1 9dBm		
Band13	Stand-Alo ne	15kHz	BPSK	23181	1@11	793	805	793~80 5MHz @-62.1 2dBm	-35	PASS
Band13	Stand-Alo ne	15kHz	BPSK	23181	1@11	1000	1000 0	1000~1 0000M Hz@-4 6.64dB m	-13	PASS
Band13	Stand-Alo ne	15kHz	BPSK	23181	1@11	1559	1610	1559~1 610MH z@-72. 99dBm	-50	PASS
Band13	Stand-Alo ne	15kHz	BPSK	23230	1@0	0.009	0.15	0.009~ 0.15MH z@-62. 3dBm	-33	PASS
Band13	Stand-Alo ne	15kHz	BPSK	23230	1@0	0.15	30	0.15~3 0MHz @-65.9 3dBm	-23	PASS
Band13	Stand-Alo ne	15kHz	BPSK	23230	1@0	30	1000	30~100 0MHz @-58.5 dBm	-13	PASS
Band13	Stand-Alo ne	15kHz	BPSK	23230	1@0	763	775	763~77 5MHz @-62.8 3dBm	-35	PASS
Band13	Stand-Alo ne	15kHz	BPSK	23230	1@0	793	805	793~80 5MHz @-62.1 6dBm	-35	PASS
Band13	Stand-Alo ne	15kHz	BPSK	23230	1@0	1000	1000 0	1000~1 0000M Hz@-4 4.58dB m	-13	PASS
Band13	Stand-Alo ne	15kHz	BPSK	23230	1@0	1559	1610	1559~1 610MH z@-60. 78dBm	-50	PASS

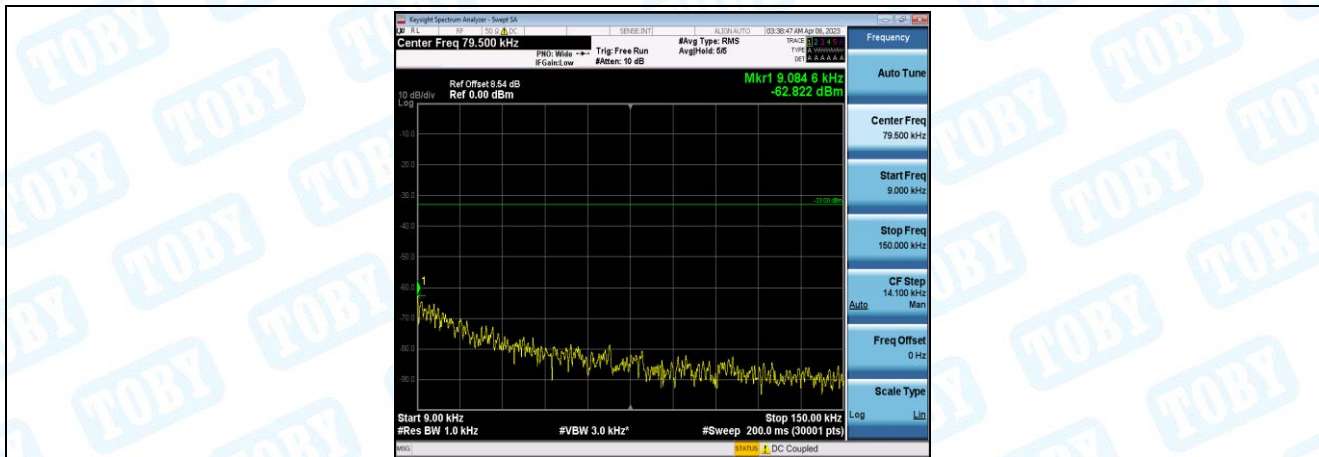
Band13	Stand-Alone	15kHz	BPSK	23230	1@11	0.009	0.15	0.009~0.15MHz @-62.92dBm	-33	PASS
Band13	Stand-Alone	15kHz	BPSK	23230	1@11	0.15	30	0.15~30MHz @-66.62dBm	-23	PASS
Band13	Stand-Alone	15kHz	BPSK	23230	1@11	30	1000	30~1000MHz @-58.53dBm	-13	PASS
Band13	Stand-Alone	15kHz	BPSK	23230	1@11	763	775	763~775MHz @-62.82dBm	-35	PASS
Band13	Stand-Alone	15kHz	BPSK	23230	1@11	793	805	793~805MHz @-62.27dBm	-35	PASS
Band13	Stand-Alone	15kHz	BPSK	23230	1@11	1000	10000	1000~10000MHz @-44.38dBm	-13	PASS
Band13	Stand-Alone	15kHz	BPSK	23230	1@11	1559	1610	1559~1610MHz @-63.69dBm	-50	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	1@0	0.009	0.15	0.009~0.15MHz @-60.7dBm	-33	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	1@0	0.15	30	0.15~30MHz @-65.76dBm	-23	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	1@0	30	1000	30~1000MHz @-59.28dBm	-13	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	1@0	763	775	763~775MHz @-61.85dBm	-35	PASS

Band13	Stand-Alone	15kHz	BPSK	23279	1@0	793	805	793~805MHz @-62.04dBm	-35	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	1@0	1000	10000	1000~10000MHz @-44.07dBm	-13	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	1@0	1559	1610	1559~1610MHz @-66.55dBm	-50	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	1@11	0.009	0.15	0.009~0.15MHz @-64.71dBm	-33	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	1@11	0.15	30	0.15~30MHz @-65.79dBm	-23	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	1@11	30	1000	30~1000MHz @-58.77dBm	-13	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	1@11	763	775	763~775MHz @-62.72dBm	-35	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	1@11	793	805	793~805MHz @-62.18dBm	-35	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	1@11	1000	10000	1000~10000MHz @-43.83dBm	-13	PASS
Band13	Stand-Alone	15kHz	BPSK	23279	1@11	1559	1610	1559~1610MHz @-65.18dBm	-50	PASS
Band13	Stand-Alone	15kHz	QPSK	23181	12@0	0.009	0.15	0.009~0.15MHz @-62.	-33	PASS

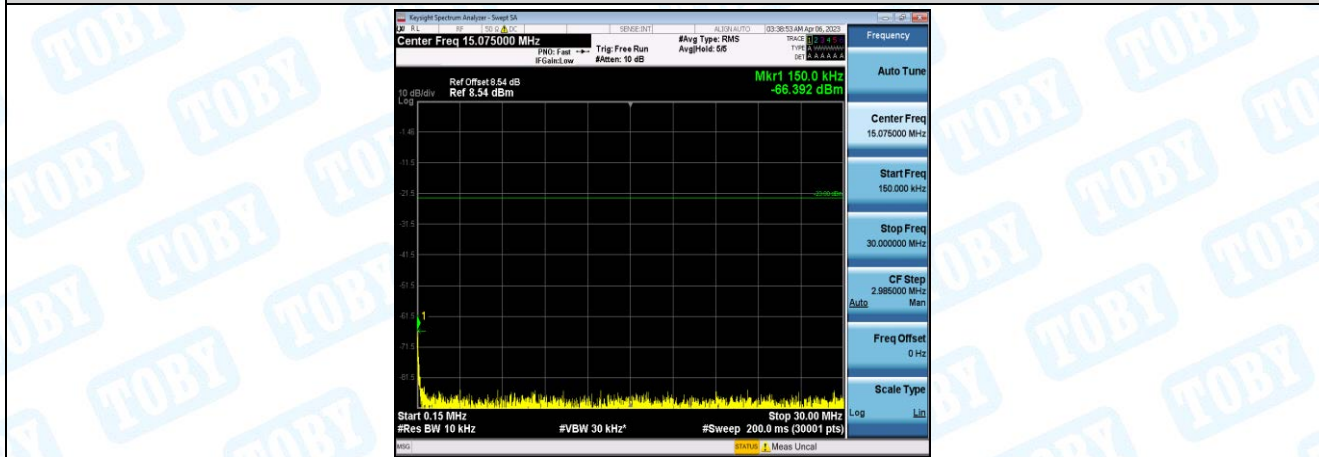
								7dBm		
Band13	Stand-Alone	15kHz	QPSK	23181	12@0	0.15	30	0.15~30MHz @-67.8dBm	-23	PASS
Band13	Stand-Alone	15kHz	QPSK	23181	12@0	30	1000	30~1000MHz @-59.03dBm	-13	PASS
Band13	Stand-Alone	15kHz	QPSK	23181	12@0	763	775	763~775MHz @-61.39dBm	-35	PASS
Band13	Stand-Alone	15kHz	QPSK	23181	12@0	793	805	793~805MHz @-62.05dBm	-35	PASS
Band13	Stand-Alone	15kHz	QPSK	23181	12@0	1000	10000	1000~10000MHz @-47.35dBm	-13	PASS
Band13	Stand-Alone	15kHz	QPSK	23181	12@0	1559	1610	1559~1610MHz @-70.14dBm	-50	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	12@0	0.009	0.15	0.009~0.15MHz @-61.13dBm	-33	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	12@0	0.15	30	0.15~30MHz @-63.29dBm	-23	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	12@0	30	1000	30~1000MHz @-59.2dBm	-13	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	12@0	763	775	763~775MHz @-62.83dBm	-35	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	12@0	793	805	793~805MHz	-35	PASS

								@-61.8 4dBm		
Band13	Stand-Alone	15kHz	QPSK	23230	12@0	1000	1000 0	1000~1 0000M Hz@-4 7.29dB m	-13	PASS
Band13	Stand-Alone	15kHz	QPSK	23230	12@0	1559	1610	1559~1 610MH z@-68. 91dBm	-50	PASS
Band13	Stand-Alone	15kHz	QPSK	23279	12@0	0.009	0.15	0.009~ 0.15MH z@-61. 84dBm	-33	PASS
Band13	Stand-Alone	15kHz	QPSK	23279	12@0	0.15	30	0.15~3 0MHz @-68.0 9dBm	-23	PASS
Band13	Stand-Alone	15kHz	QPSK	23279	12@0	30	1000	30~100 0MHz @-59.1 7dBm	-13	PASS
Band13	Stand-Alone	15kHz	QPSK	23279	12@0	763	775	763~77 5MHz @-62.4 6dBm	-35	PASS
Band13	Stand-Alone	15kHz	QPSK	23279	12@0	793	805	793~80 5MHz @-62.3 5dBm	-35	PASS
Band13	Stand-Alone	15kHz	QPSK	23279	12@0	1000	1000 0	1000~1 0000M Hz@-4 7.24dB m	-13	PASS
Band13	Stand-Alone	15kHz	QPSK	23279	12@0	1559	1610	1559~1 610MH z@-70. 27dBm	-50	PASS

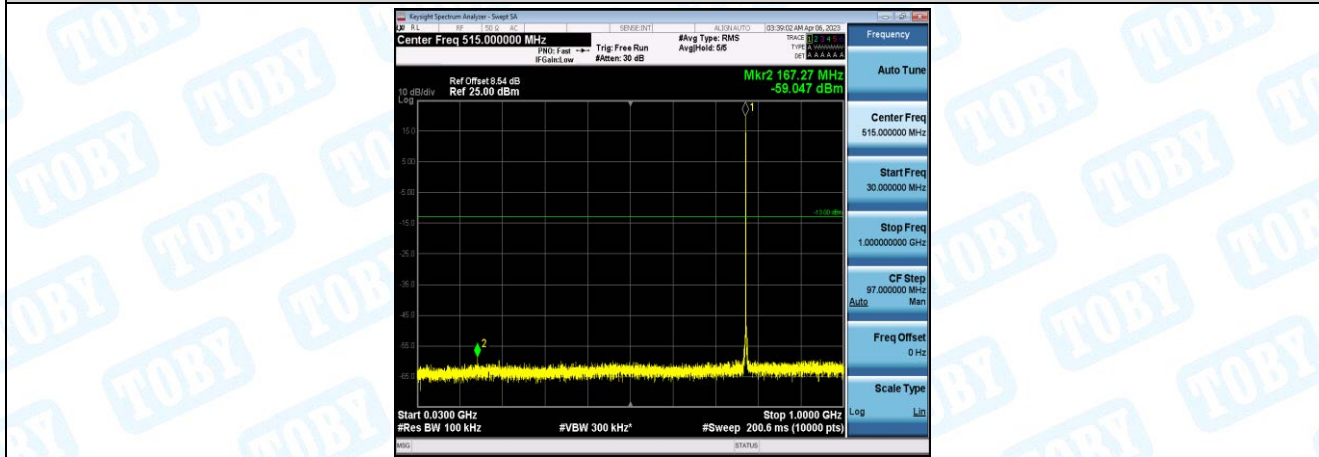
5.2 Test Graphs



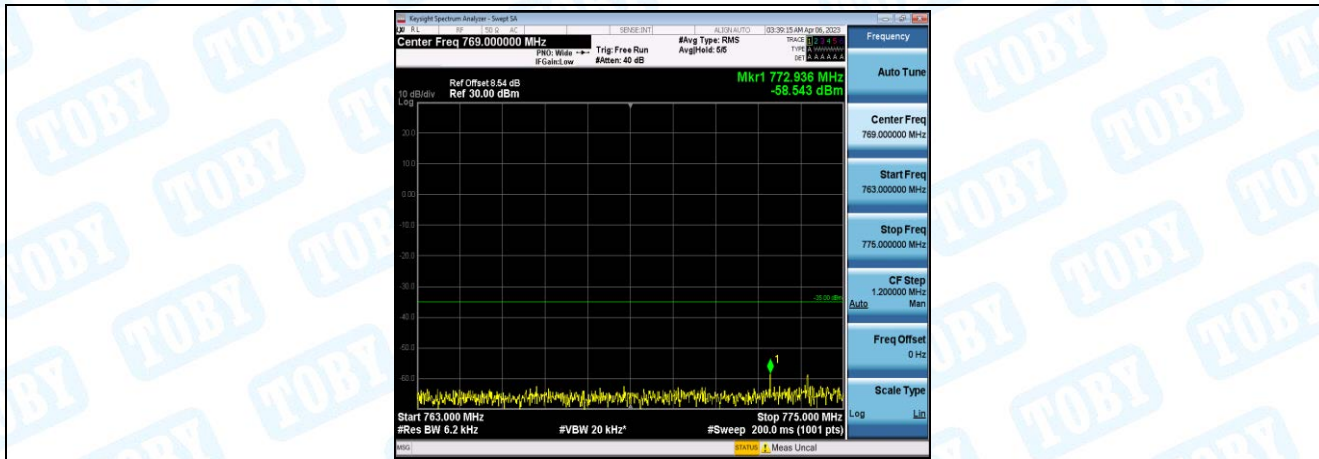
Band13-Stand-Alone-NaN-QPSK-23181-1@0-3.75kHz-0.009-0.15-0.009~0.15MHz@-62.82dBm--33-PASS



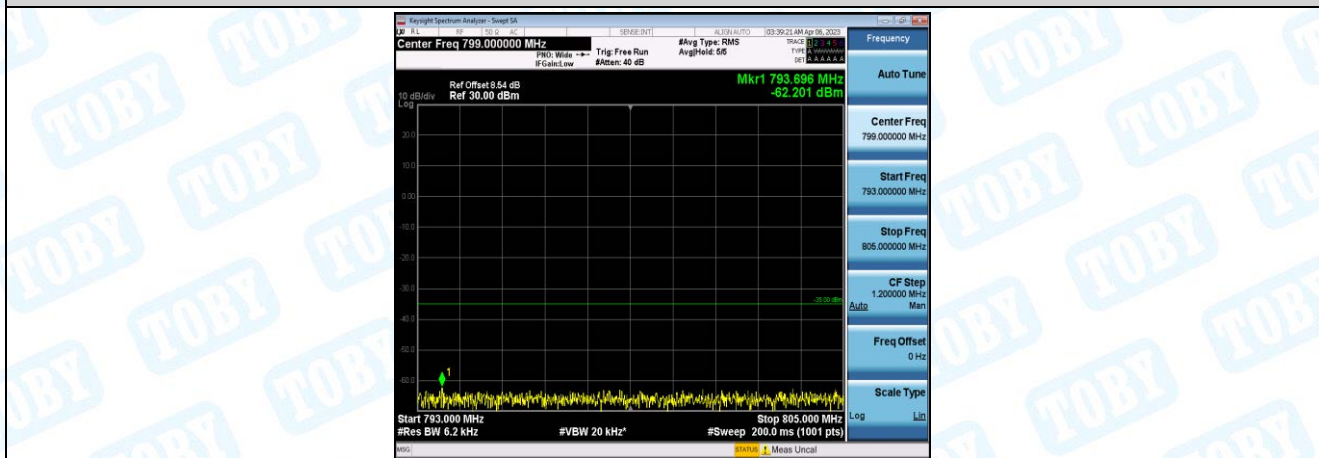
Band13-Stand-Alone-NaN-QPSK-23181-1@0-3.75kHz-0.15-30-0.15~30MHz@-66.39dBm--23-PASS



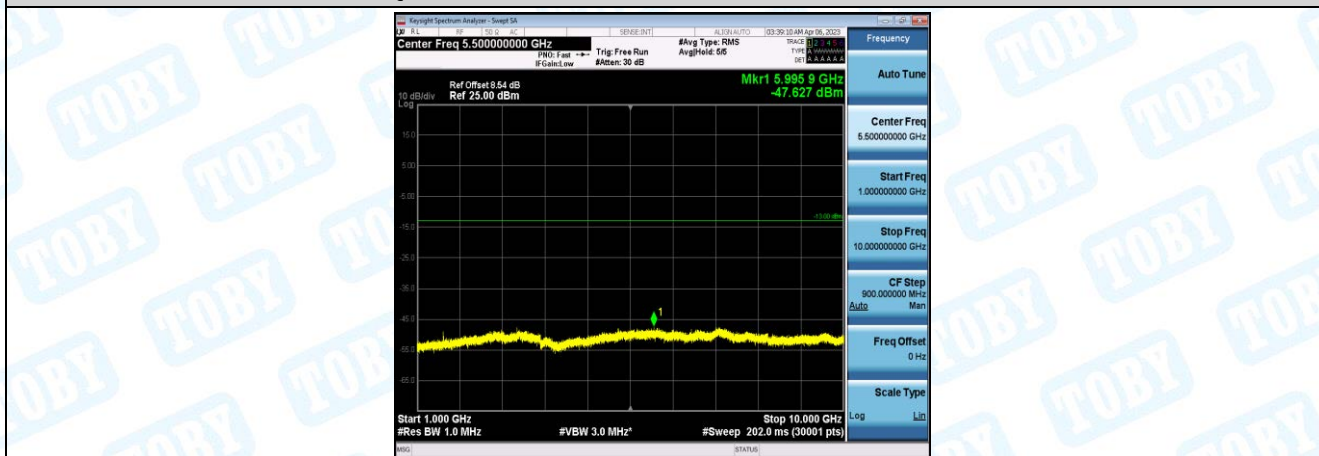
Band13-Stand-Alone-NaN-QPSK-23181-1@0-3.75kHz-30-1000-30~1000MHz@-59.05dBm--13-PASS



Band13-Stand-Alone-NaN-QPSK-23181-1@0-3.75kHz-763-775-763~775MHz@-58.54dBm--35-PASS

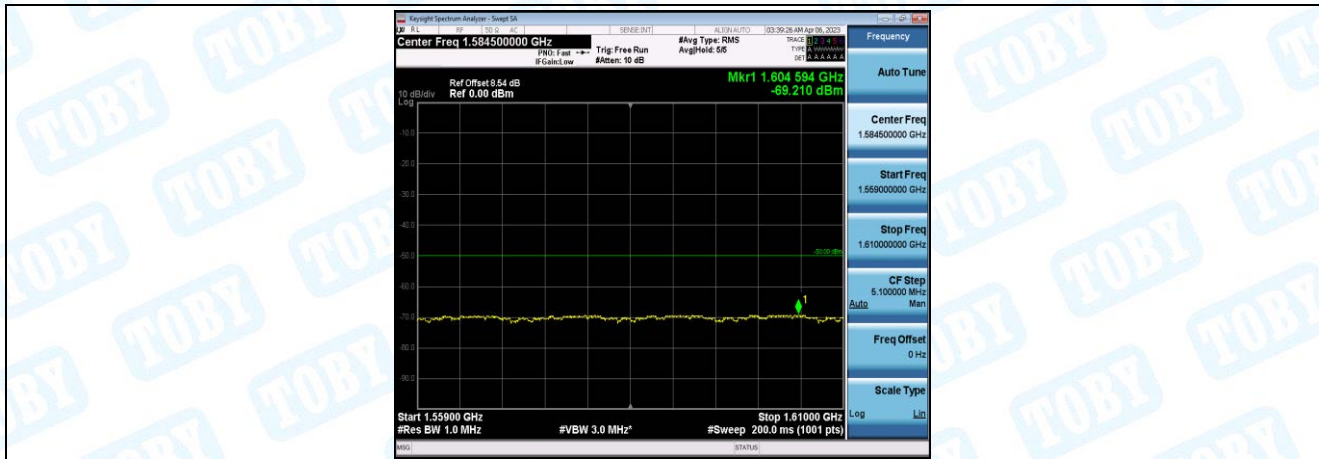


Band13-Stand-Alone-NaN-QPSK-23181-1@0-3.75kHz-793-805-793~805MHz@-62.2dBm--35-PASS

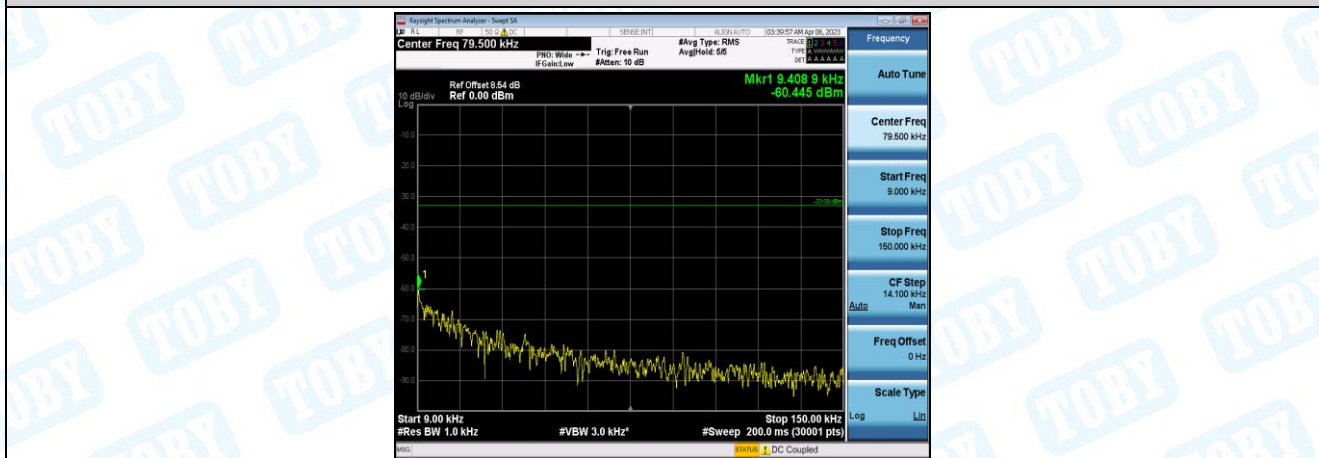


Band13-Stand-Alone-NaN-QPSK-23181-1@0-3.75kHz-1000-10000-1000~10000MHz@-47.63dBm--13-PAS

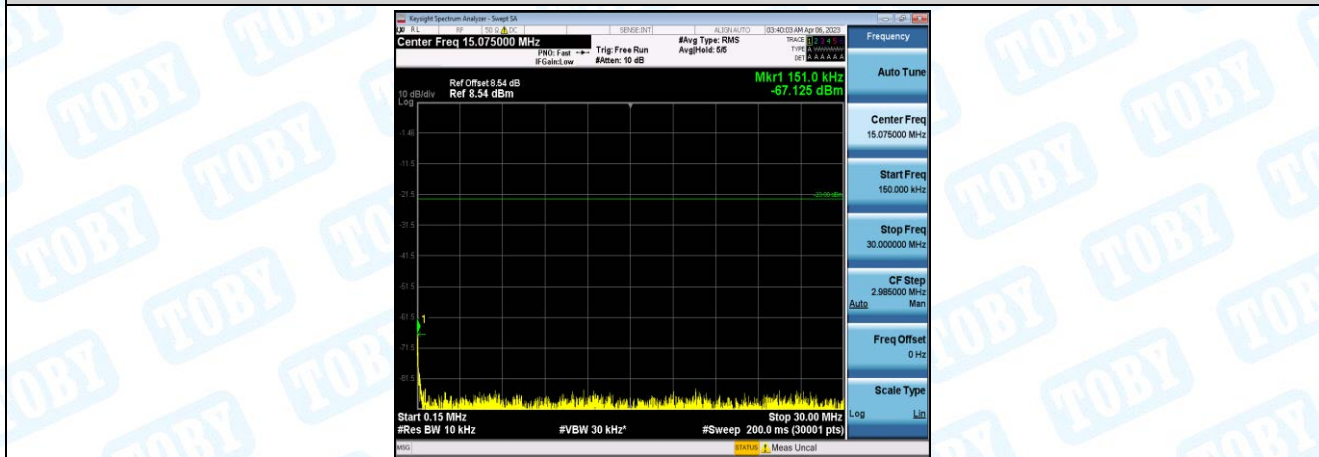
S



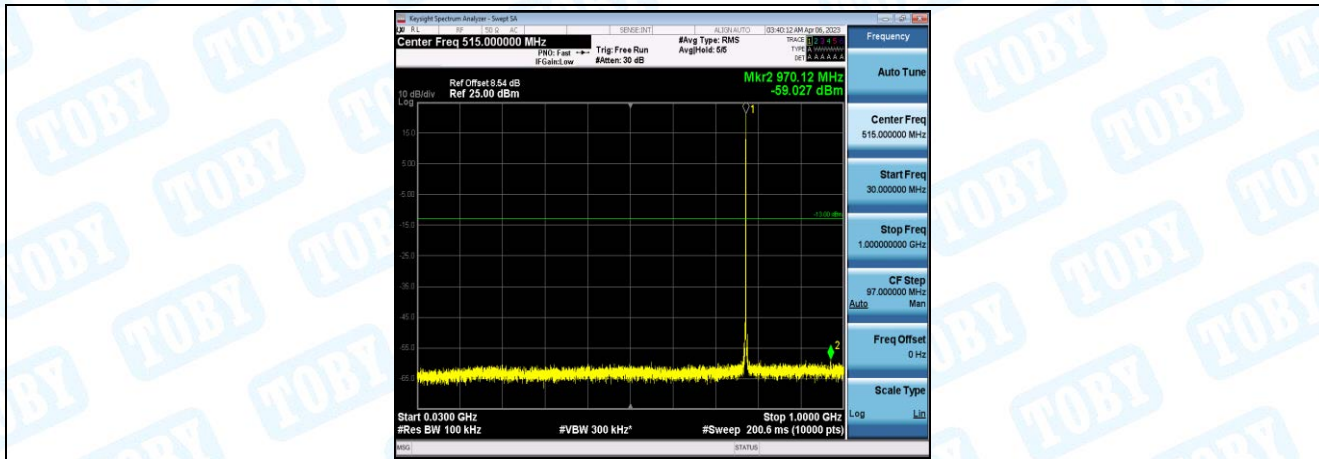
Band13-Stand-Alone-NaN-QPSK-23181-1@0-3.75kHz-1559-1610-1559~1610MHz@-69.21dBm--50-PASS



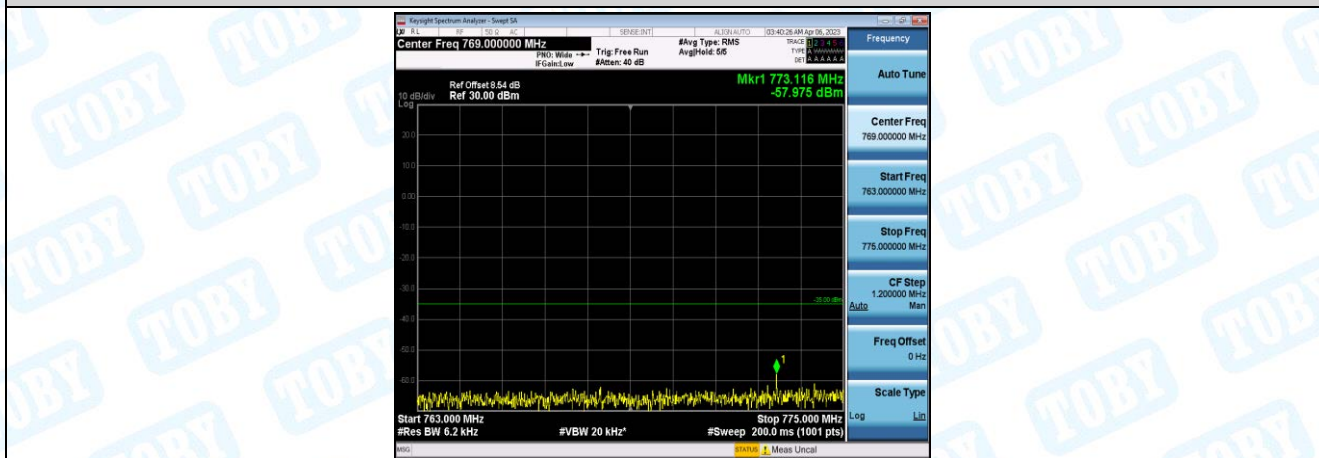
Band13-Stand-Alone-NaN-QPSK-23181-1@47-3.75kHz-0.009-0.15-0.009~0.15MHz@-60.45dBm--33-PASS



Band13-Stand-Alone-NaN-QPSK-23181-1@47-3.75kHz-0.15-30-0.15~30MHz@-67.13dBm--23-PASS



Band13-Stand-Alone-NaN-QPSK-23181-1@47-3.75kHz-30-1000-30~1000MHz@-59.03dBm--13-PASS



Band13-Stand-Alone-NaN-QPSK-23181-1@47-3.75kHz-763-775-763~775MHz@-57.98dBm--35-PASS



Band13-Stand-Alone-NaN-QPSK-23181-1@47-3.75kHz-793-805-793~805MHz@-62.34dBm--35-PASS



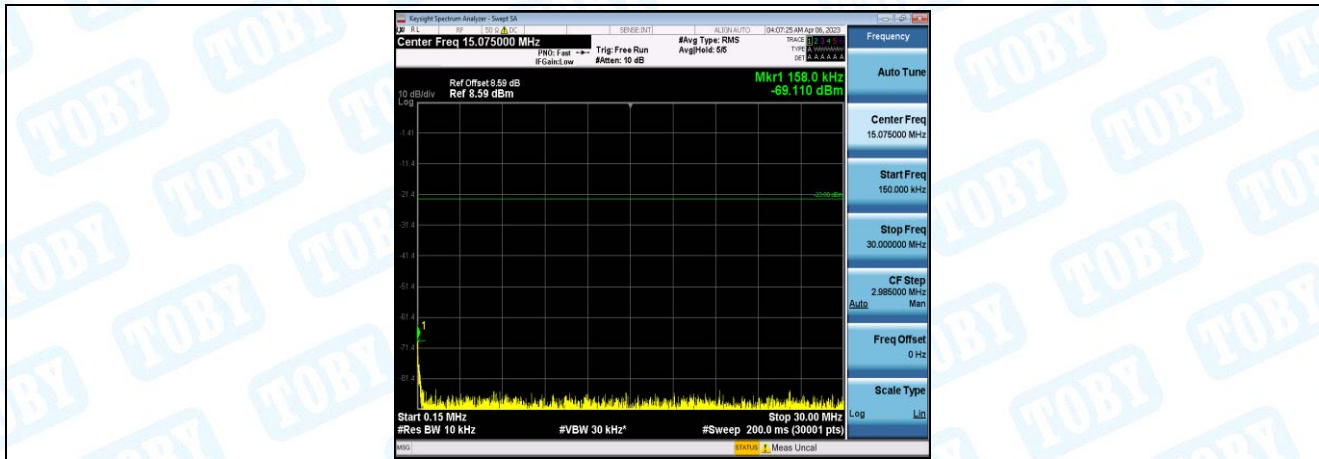
Band13-Stand-Alone-NaN-QPSK-23181-1@47-3.75kHz-1000-10000-1000~10000MHz@-47.62dBm--13-PA
SS



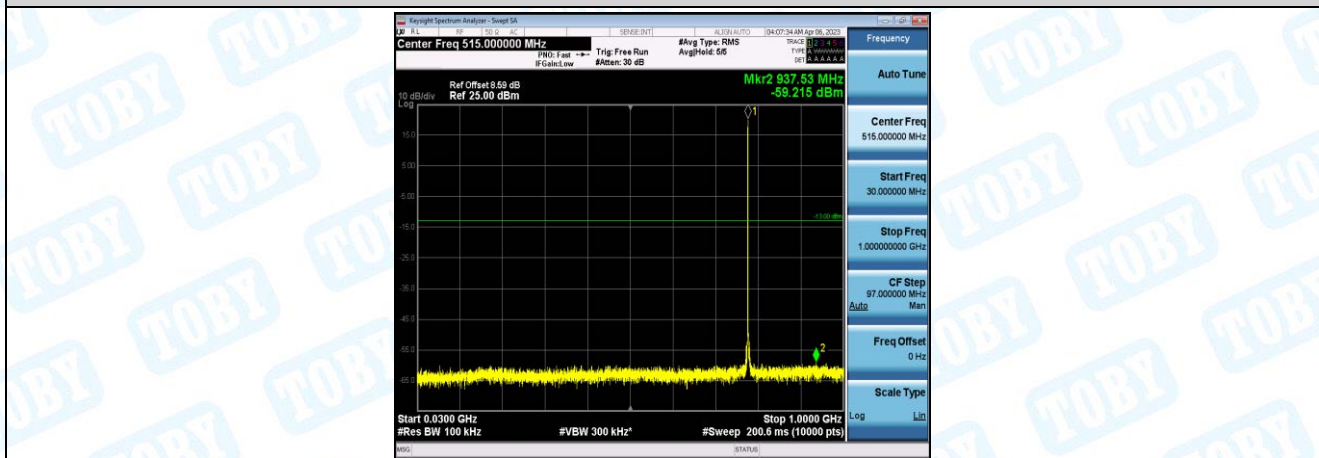
Band13-Stand-Alone-NaN-QPSK-23181-1@47-3.75kHz-1559-1610-1559~1610MHz@-68.64dBm--50-PASS



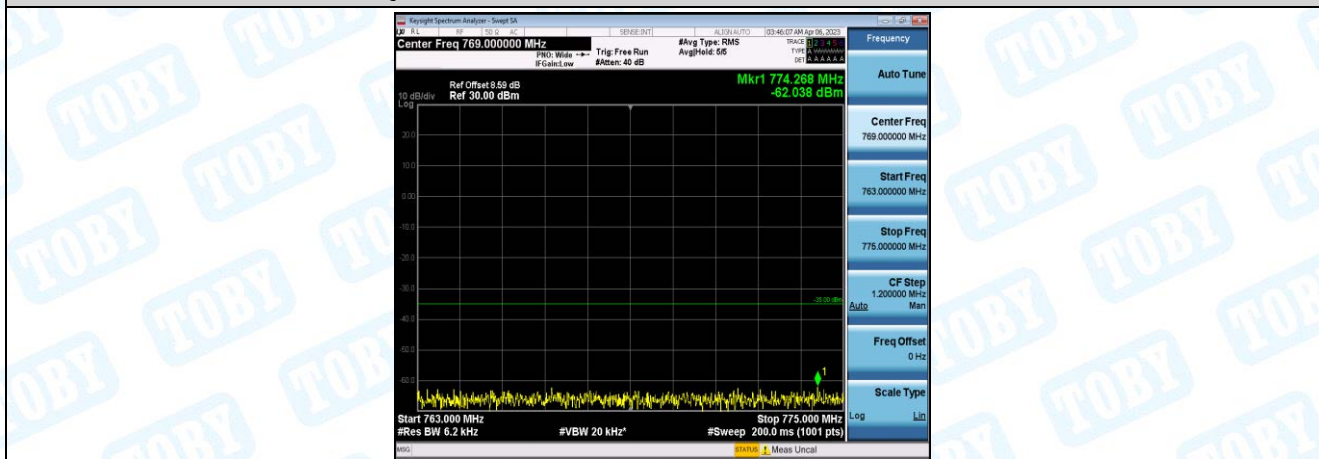
Band13-Stand-Alone-NaN-QPSK-23230-1@0-3.75kHz-0.009-0.15-0.009~0.15MHz@-62.55dBm--33-PASS



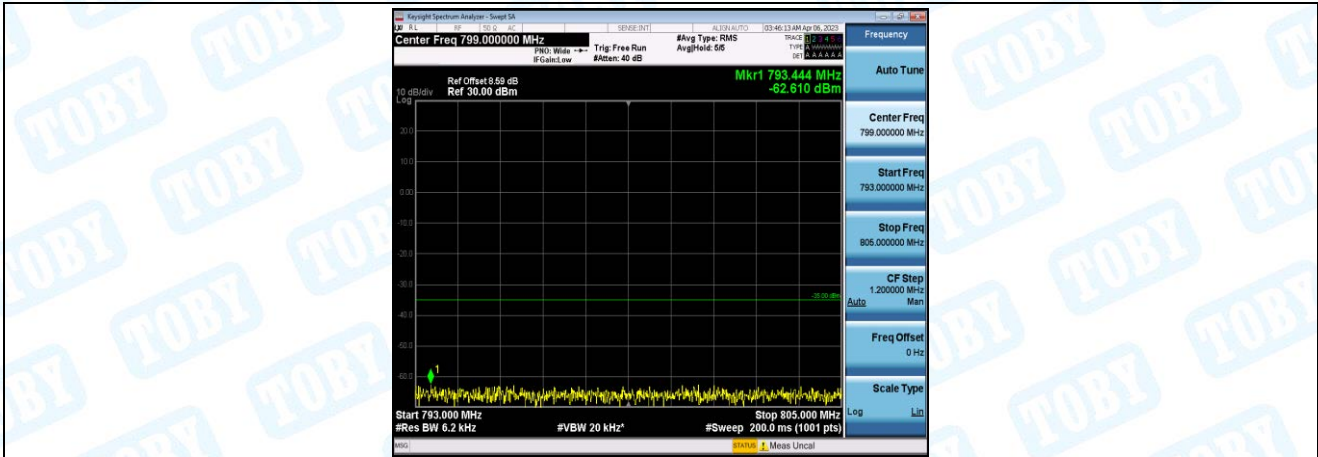
Band13-Stand-Alone-NaN-QPSK-23230-1@0-3.75kHz-0.15-30-0.15~30MHz@-69.11dBm--23-PASS



Band13-Stand-Alone-NaN-QPSK-23230-1@0-3.75kHz-30-1000-30~1000MHz@-59.22dBm--13-PASS



Band13-Stand-Alone-NaN-QPSK-23230-1@0-3.75kHz-763-775-763~775MHz@-62.04dBm--35-PASS

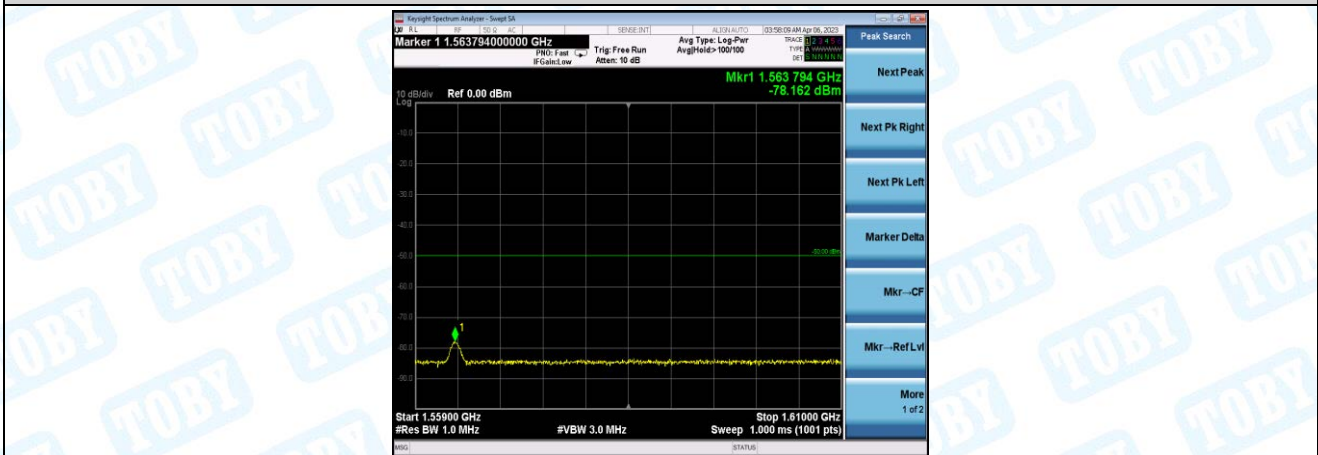


Band13-Stand-Alone-NaN-QPSK-23230-1@0-3.75kHz-793-805-793~805MHz@-62.61dBm--35-PASS



Band13-Stand-Alone-NaN-QPSK-23230-1@0-3.75kHz-1000-10000-1000~10000MHz@-46.98dBm--13-PAS

S



Band13-Stand-Alone-NaN-QPSK-23230-1@0-3.75kHz-1559-1610-1559~1610MHz@-77.5dBm--50-PASS