



Appendix B for SHEM200400259602

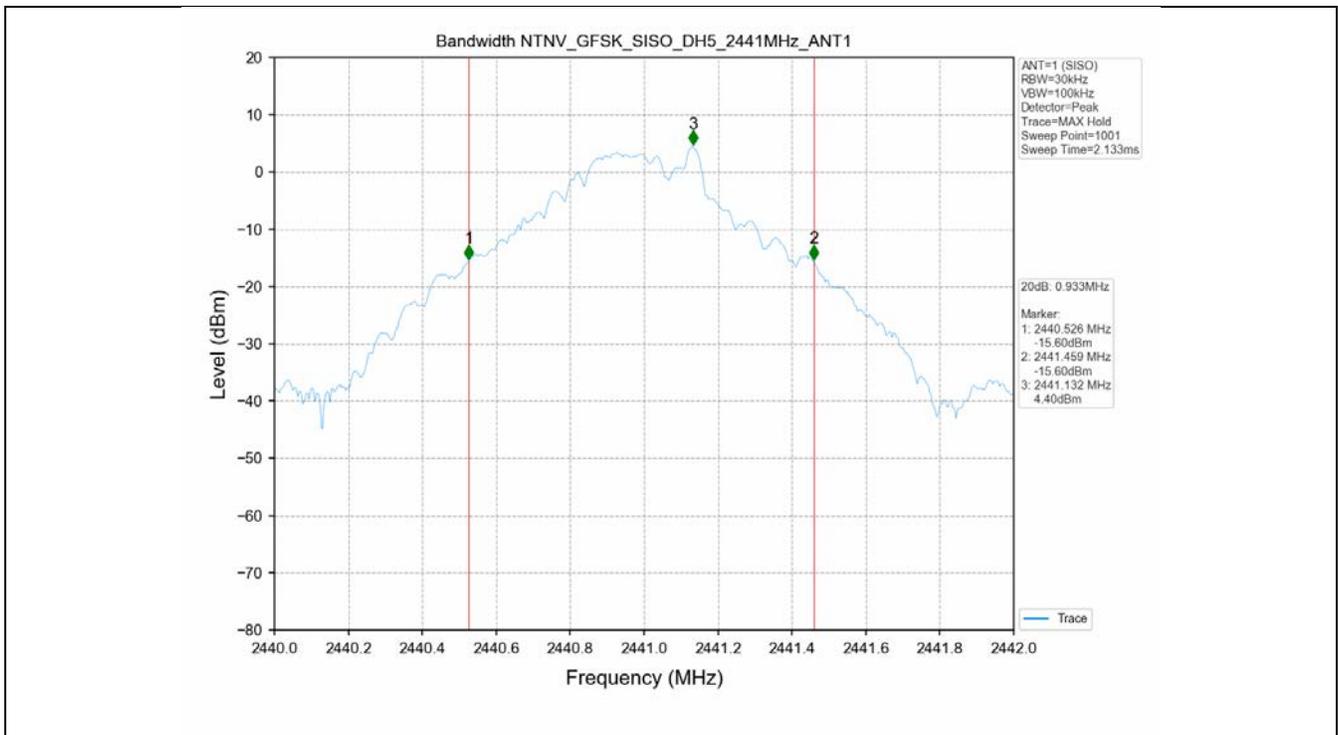
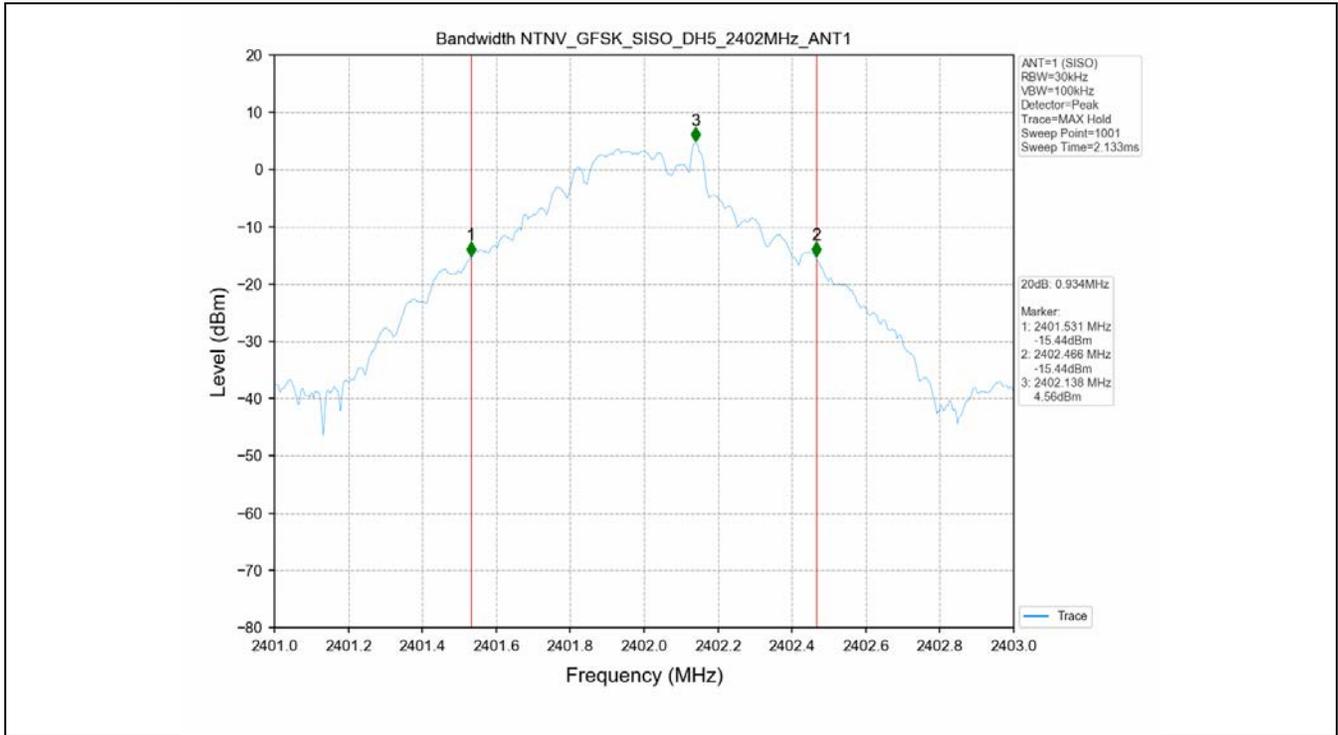
1. Bandwidth

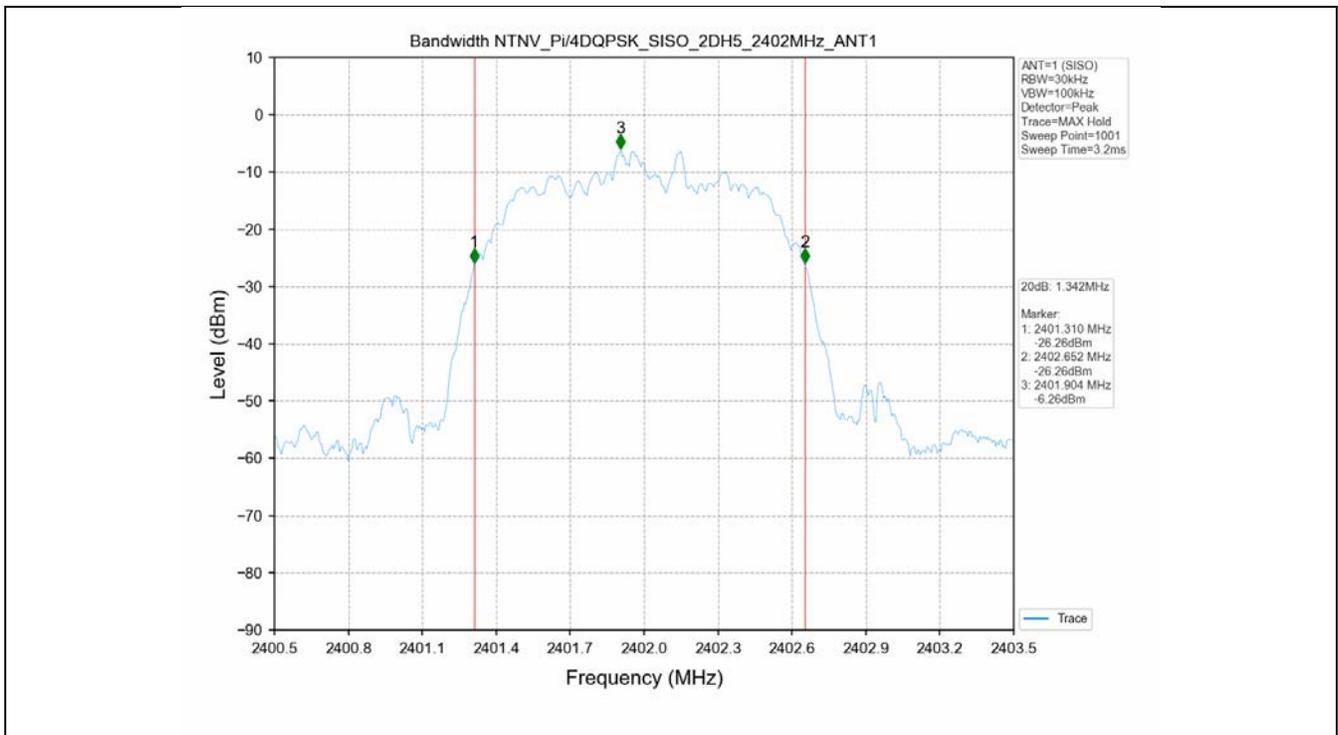
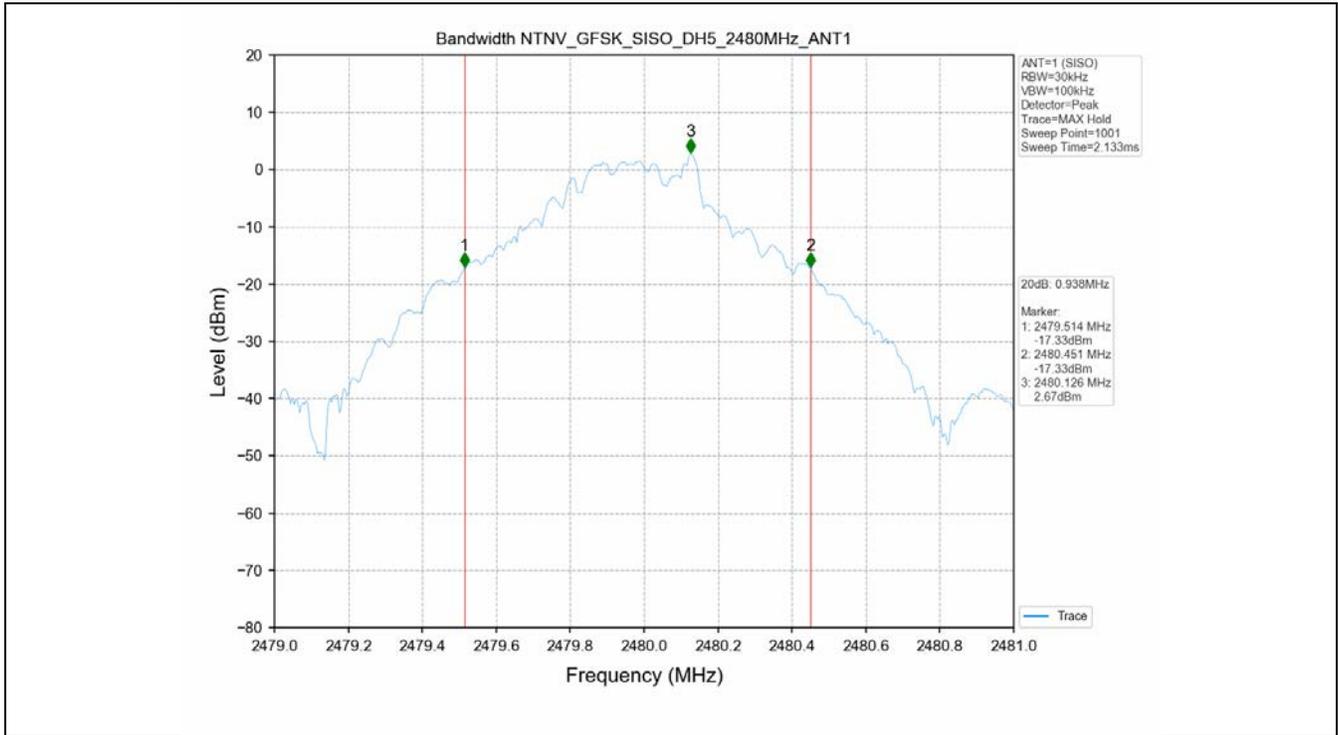
1.1 Test Result

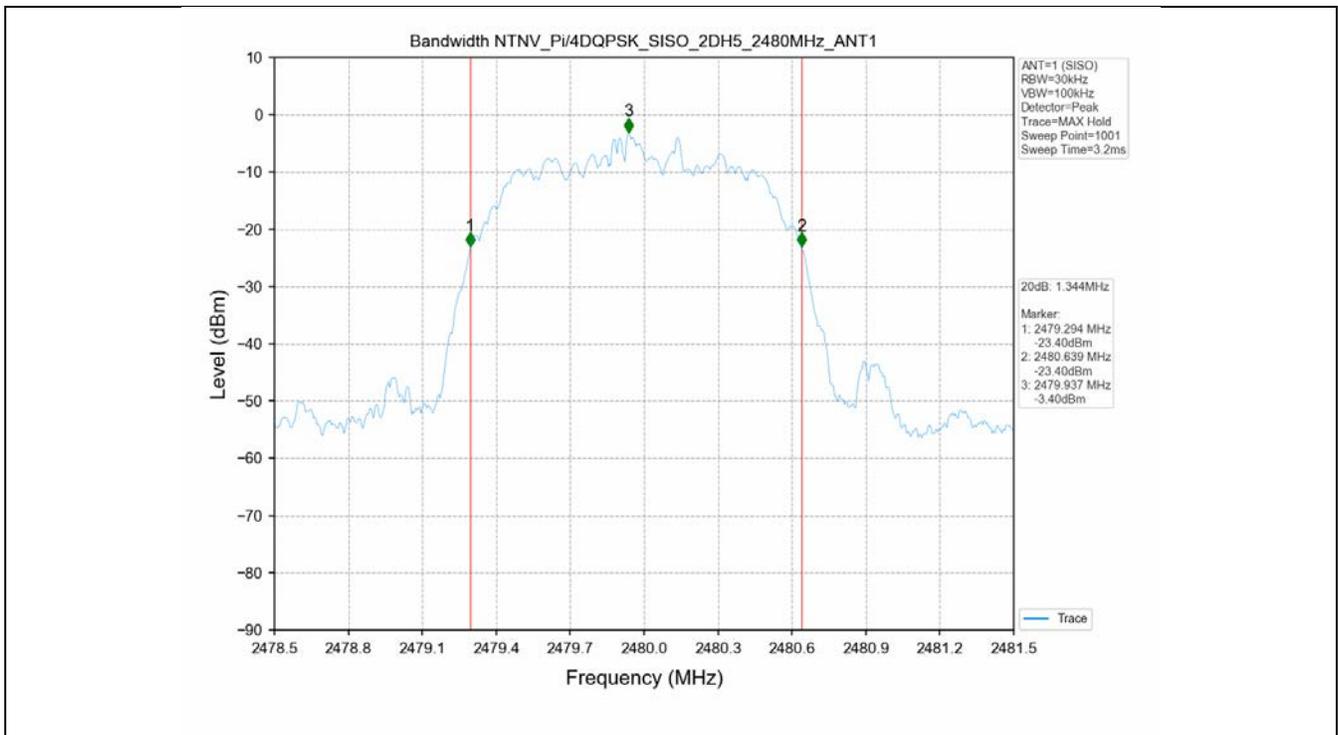
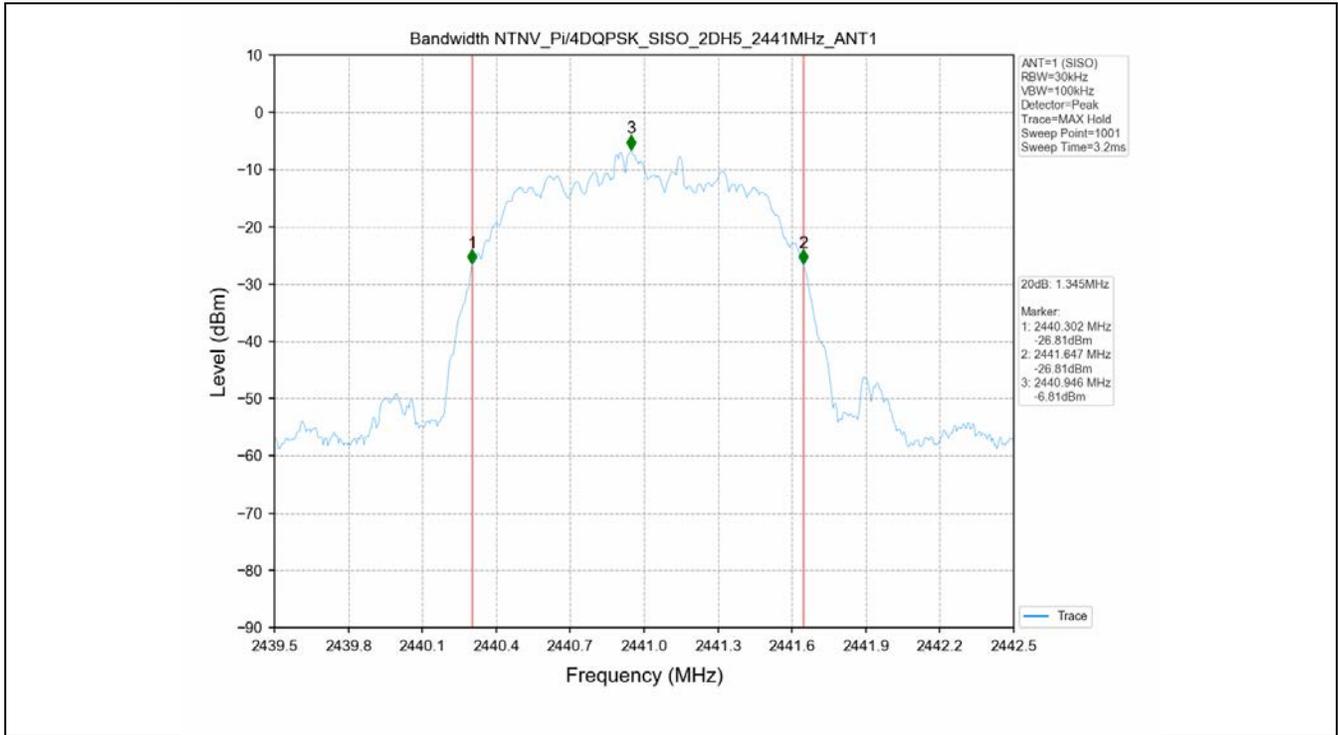
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.934	PASS
	2441	SISO	1	0.933	PASS
	2480	SISO	1	0.938	PASS
Pi/4DQPSK	2402	SISO	1	1.342	PASS
	2441	SISO	1	1.345	PASS
	2480	SISO	1	1.344	PASS
8DPSK	2402	SISO	1	1.309	PASS
	2441	SISO	1	1.311	PASS
	2480	SISO	1	1.315	PASS

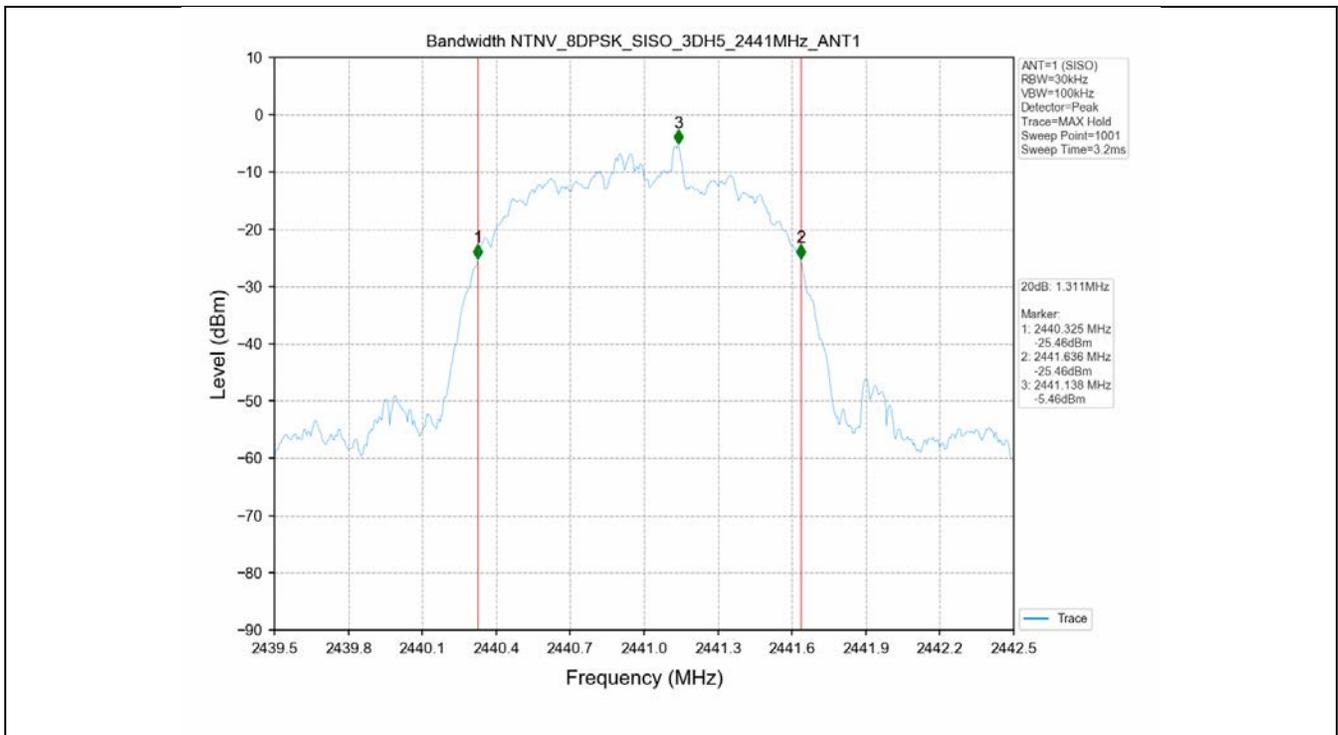
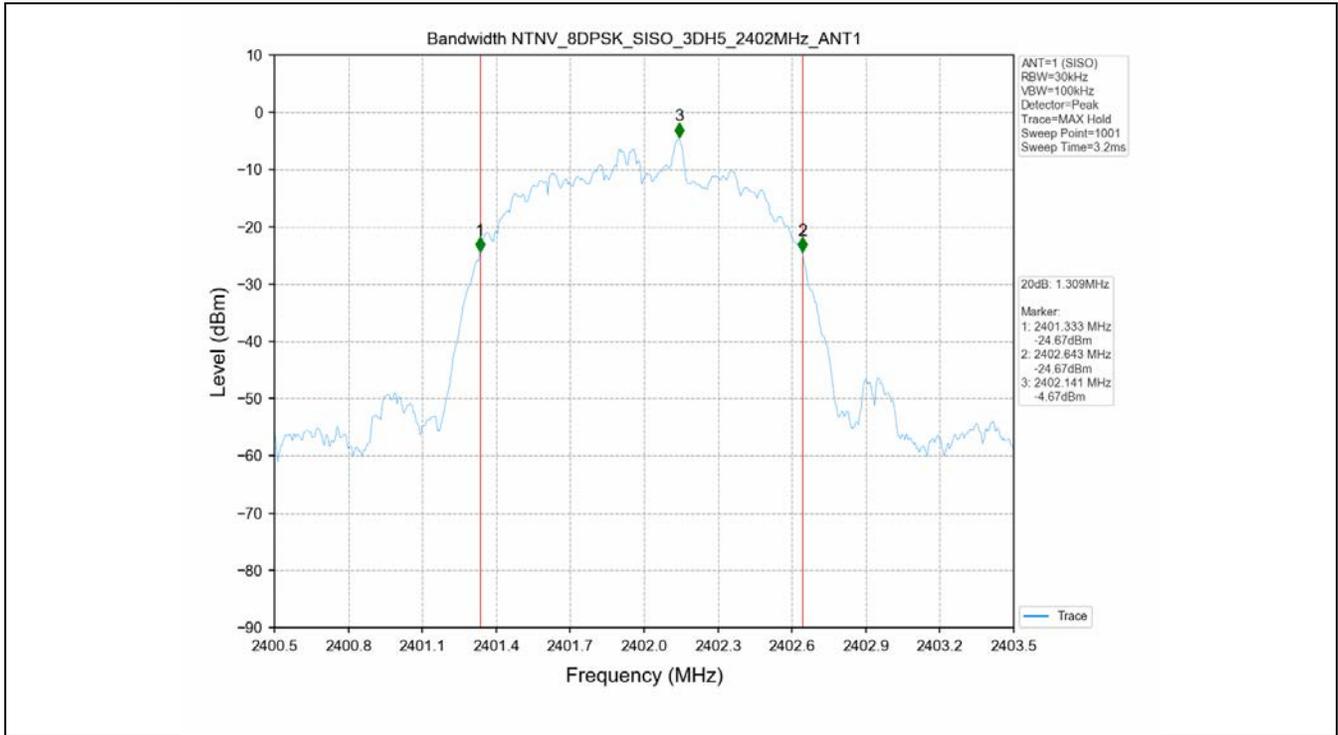
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.857	Only for Report Use
	2441	SISO	1	0.863	Only for Report Use
	2480	SISO	1	0.856	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.189	Only for Report Use
	2441	SISO	1	1.189	Only for Report Use
	2480	SISO	1	1.187	Only for Report Use
8DPSK	2402	SISO	1	1.196	Only for Report Use
	2441	SISO	1	1.192	Only for Report Use
	2480	SISO	1	1.195	Only for Report Use

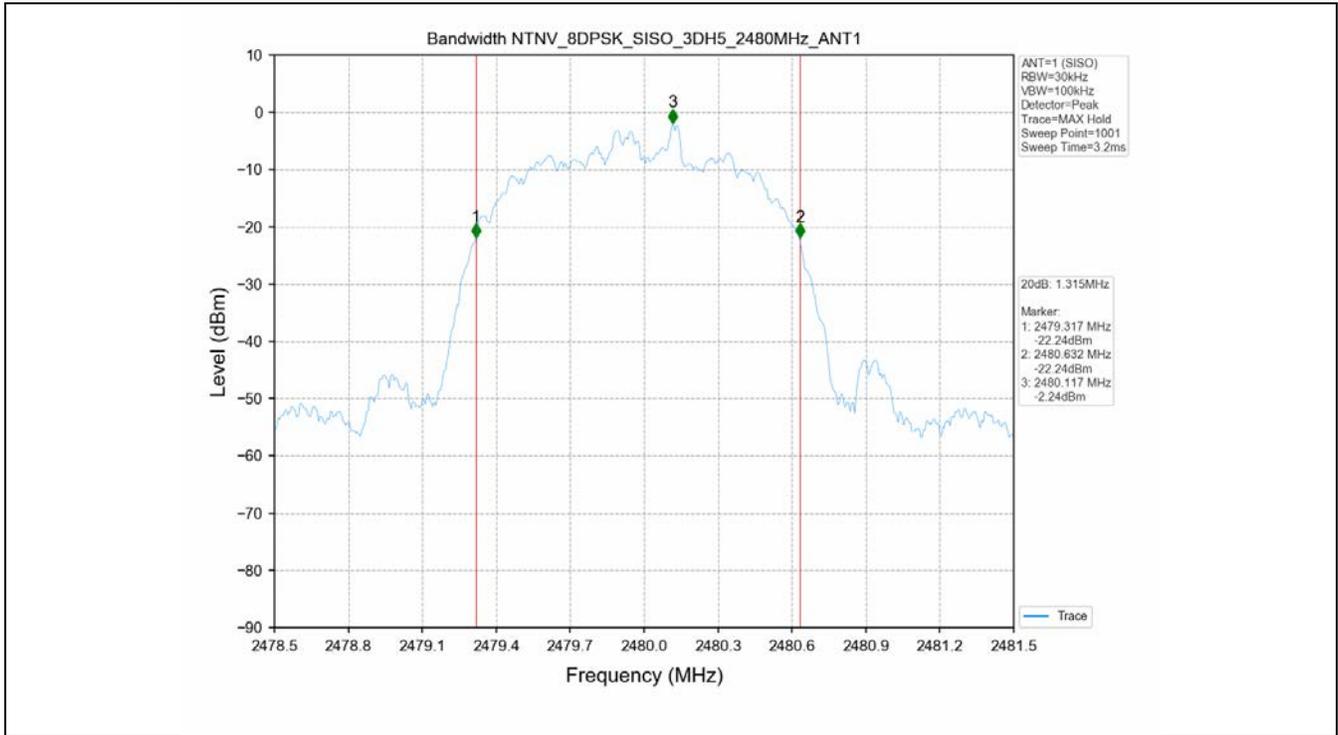
1.2 Test Graph - 20dB Bandwidth



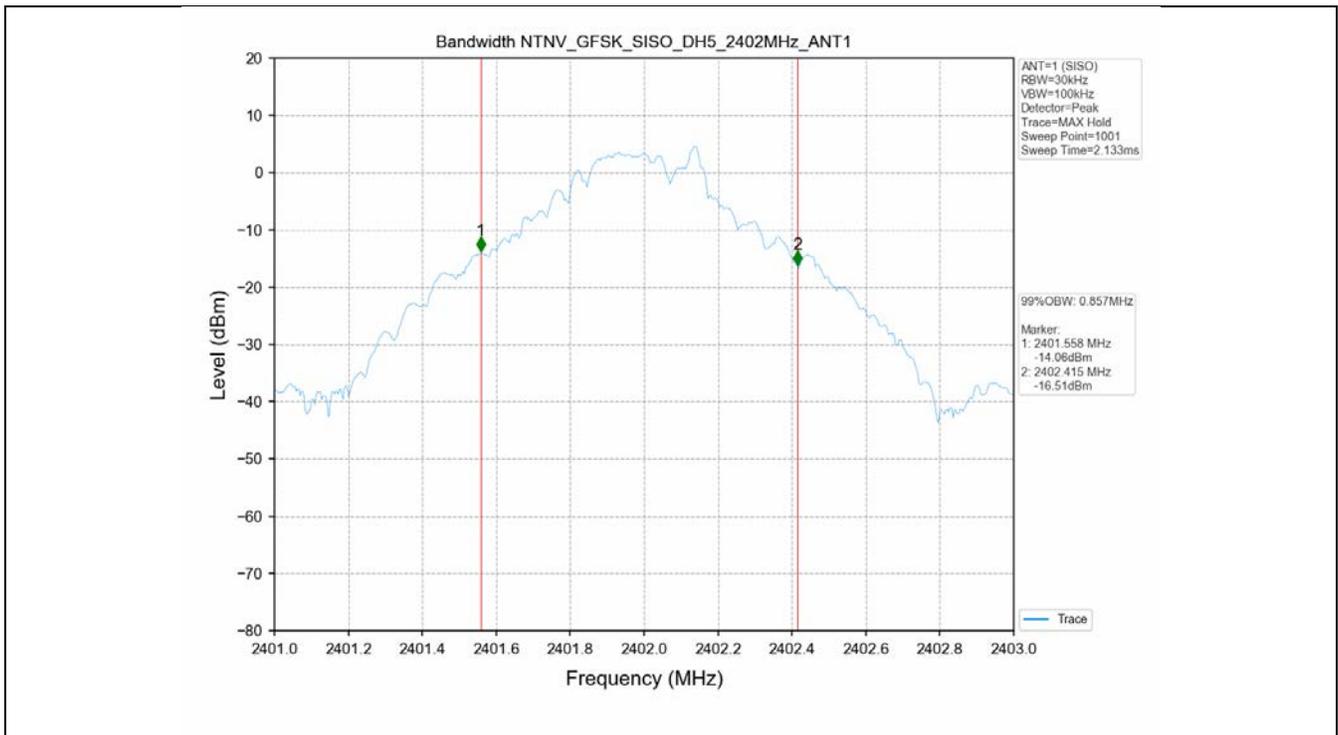


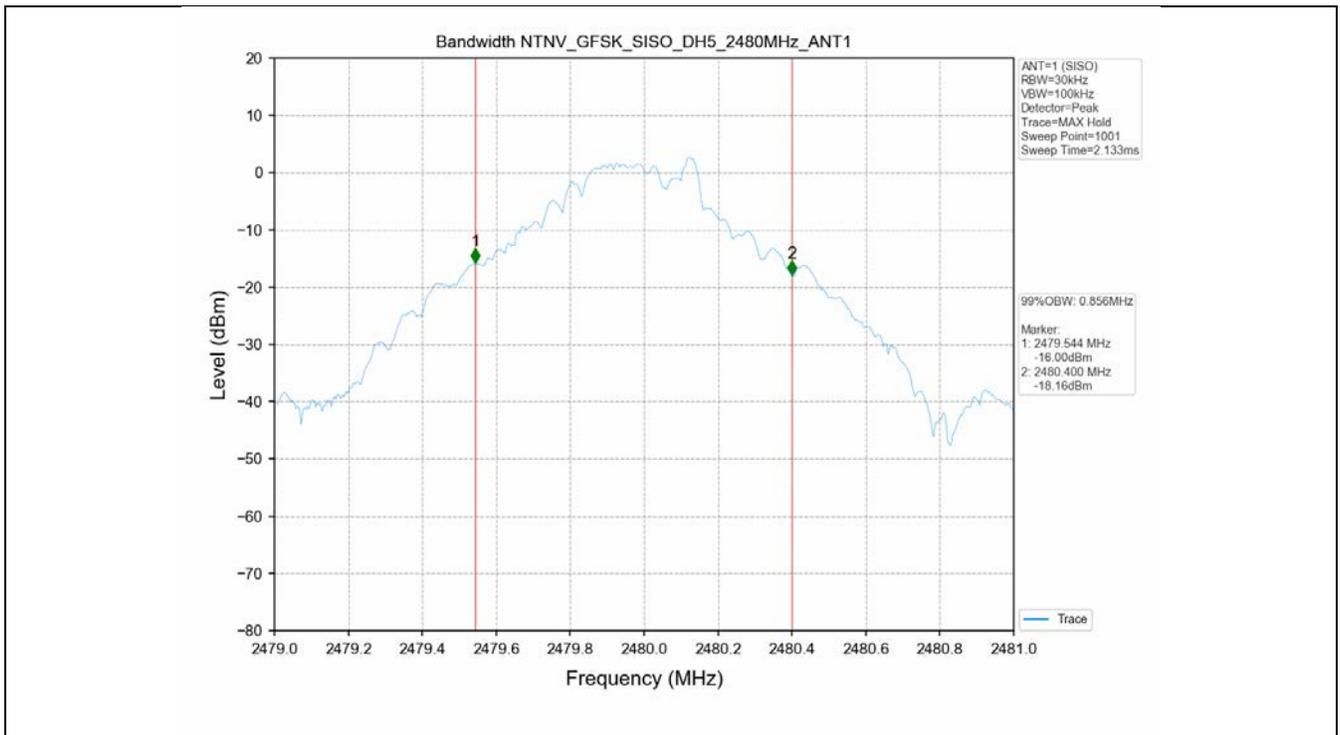
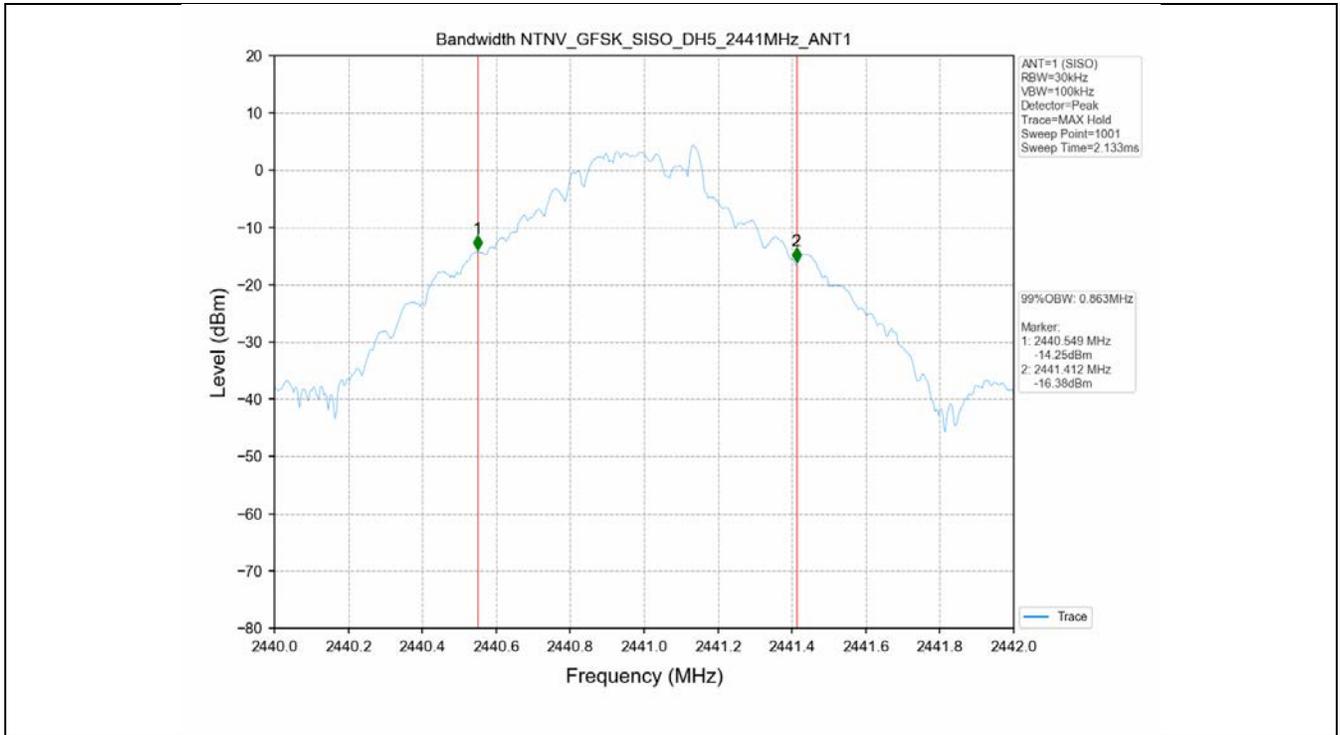


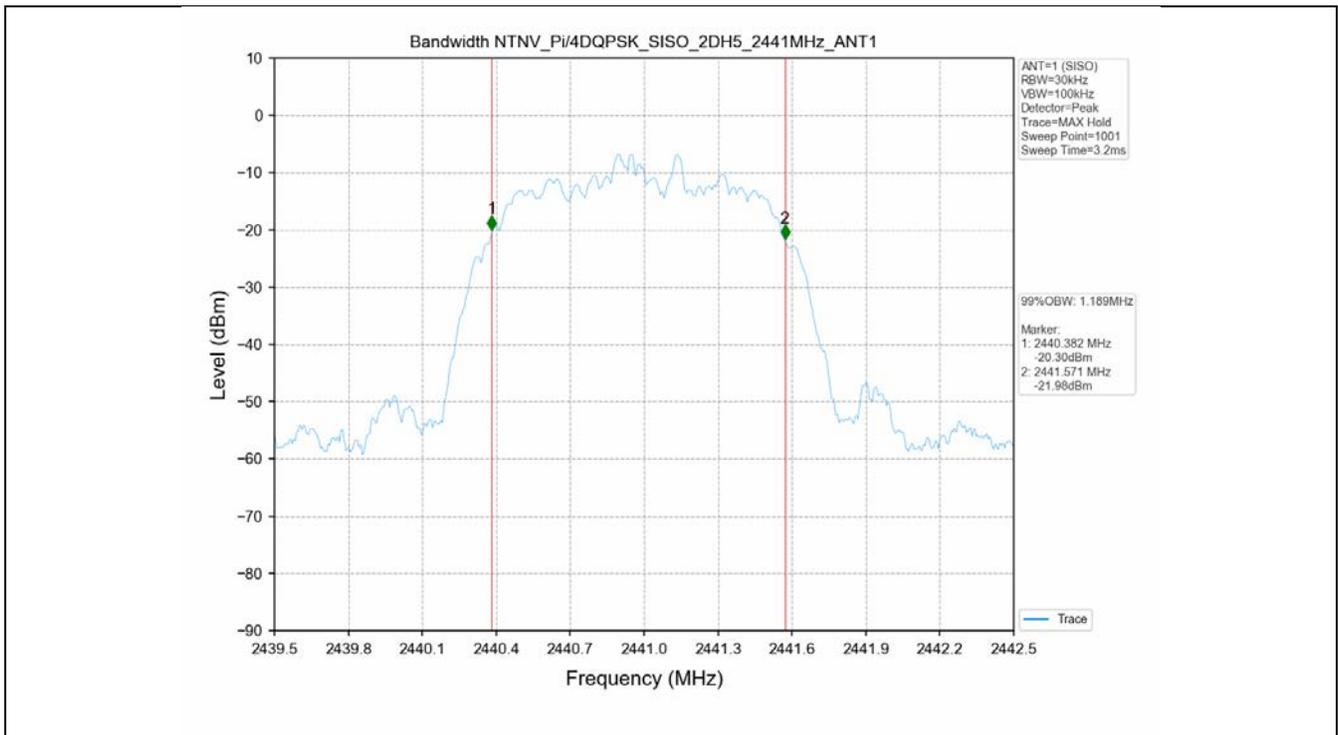
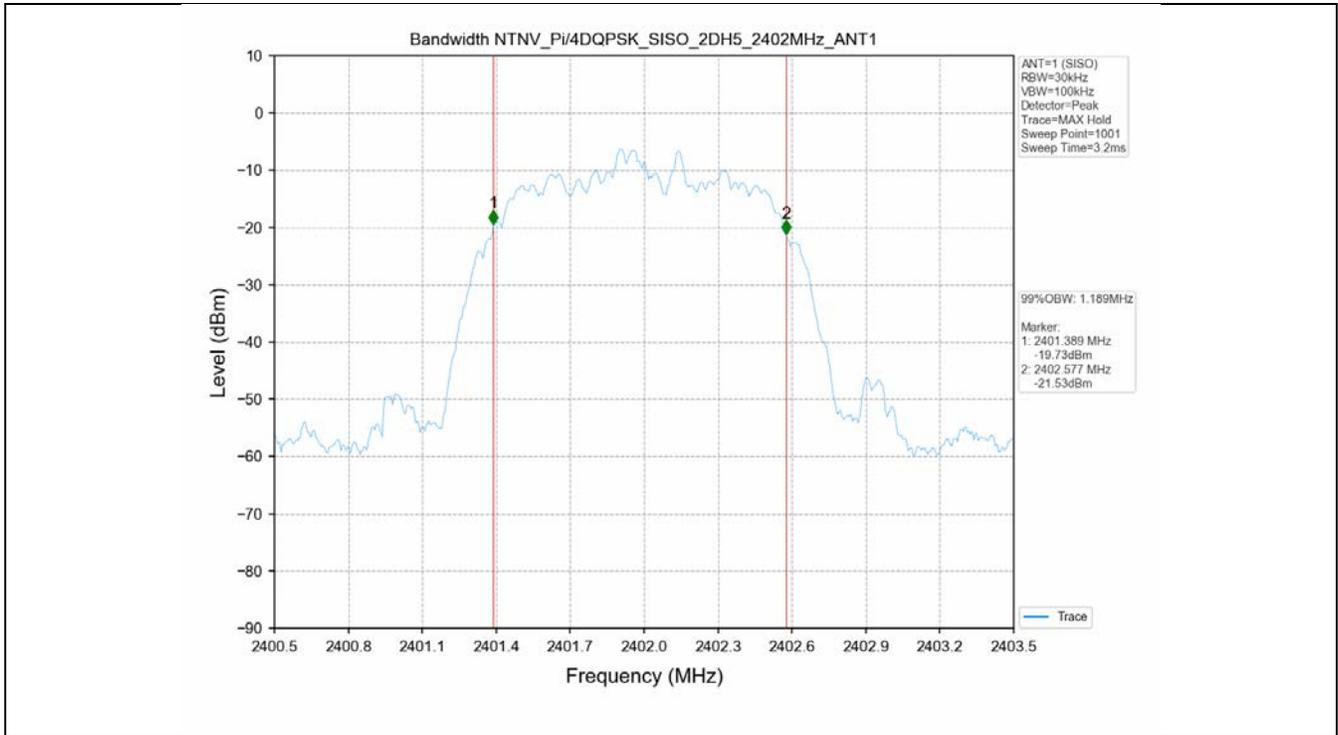


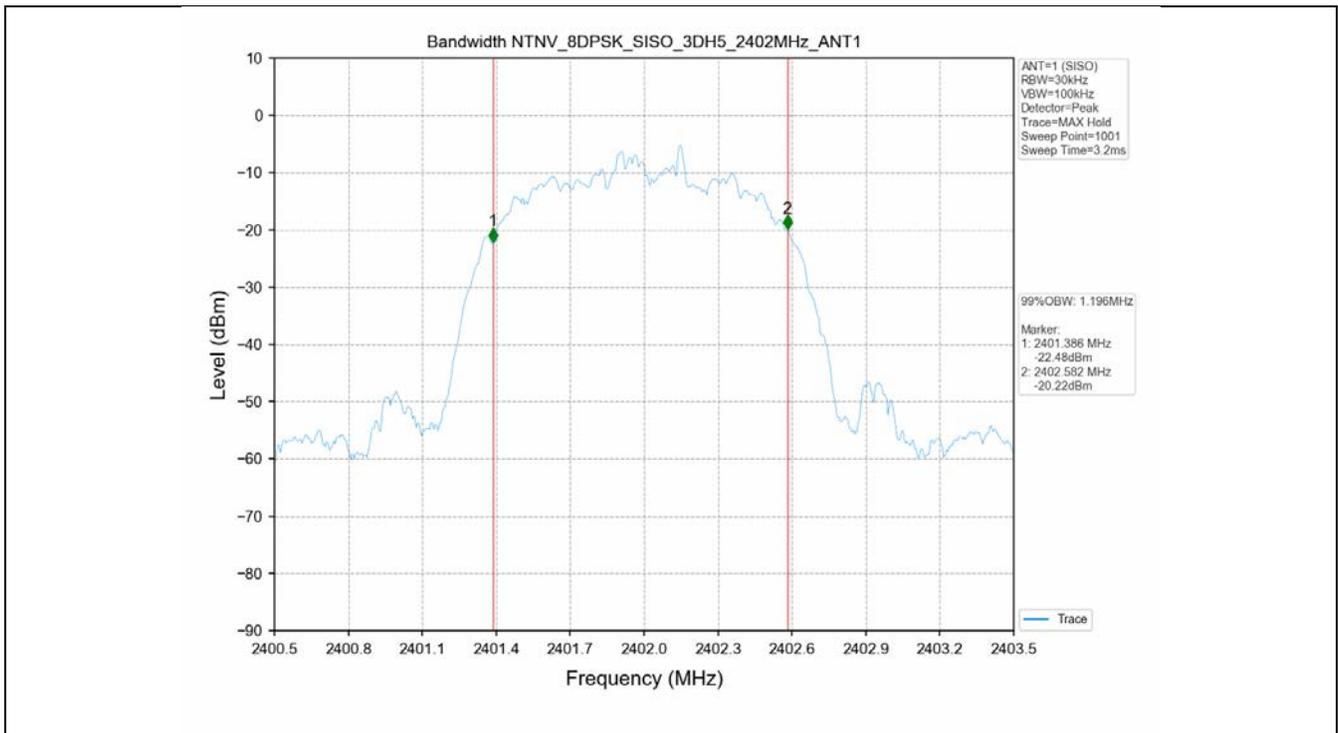
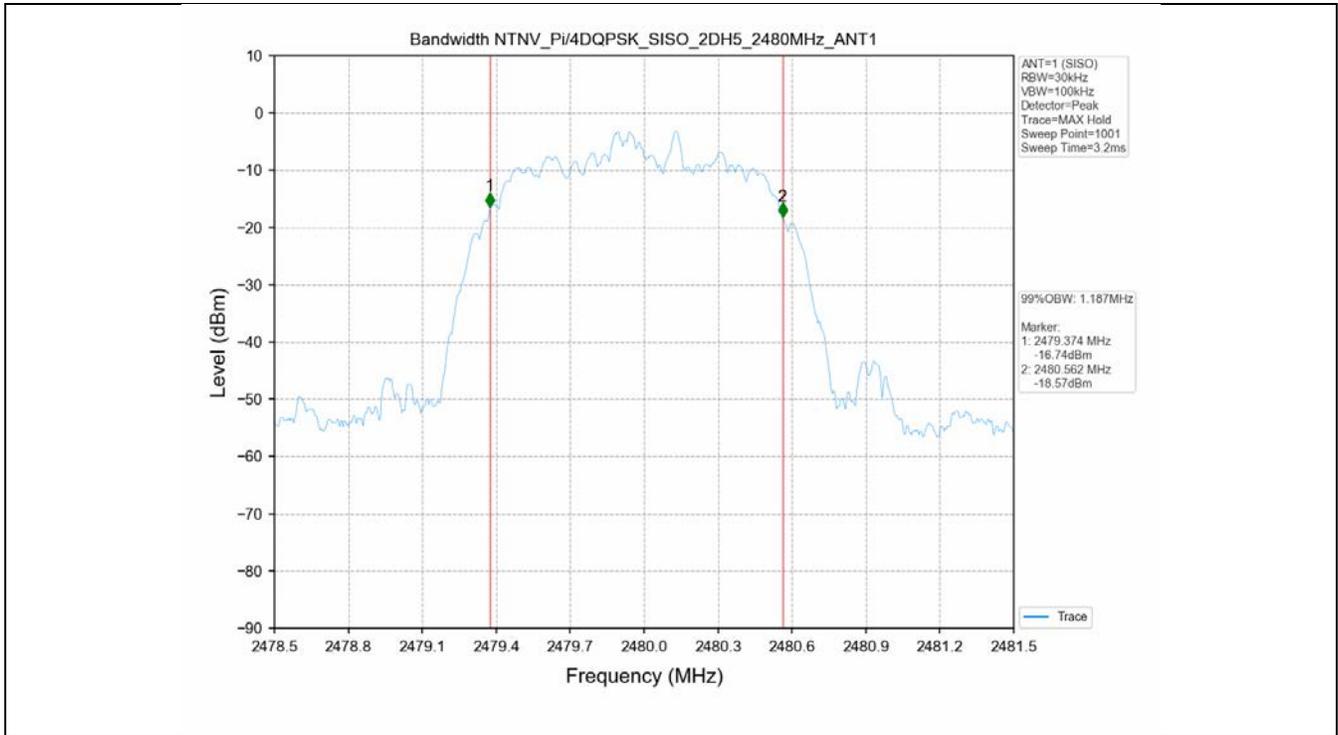


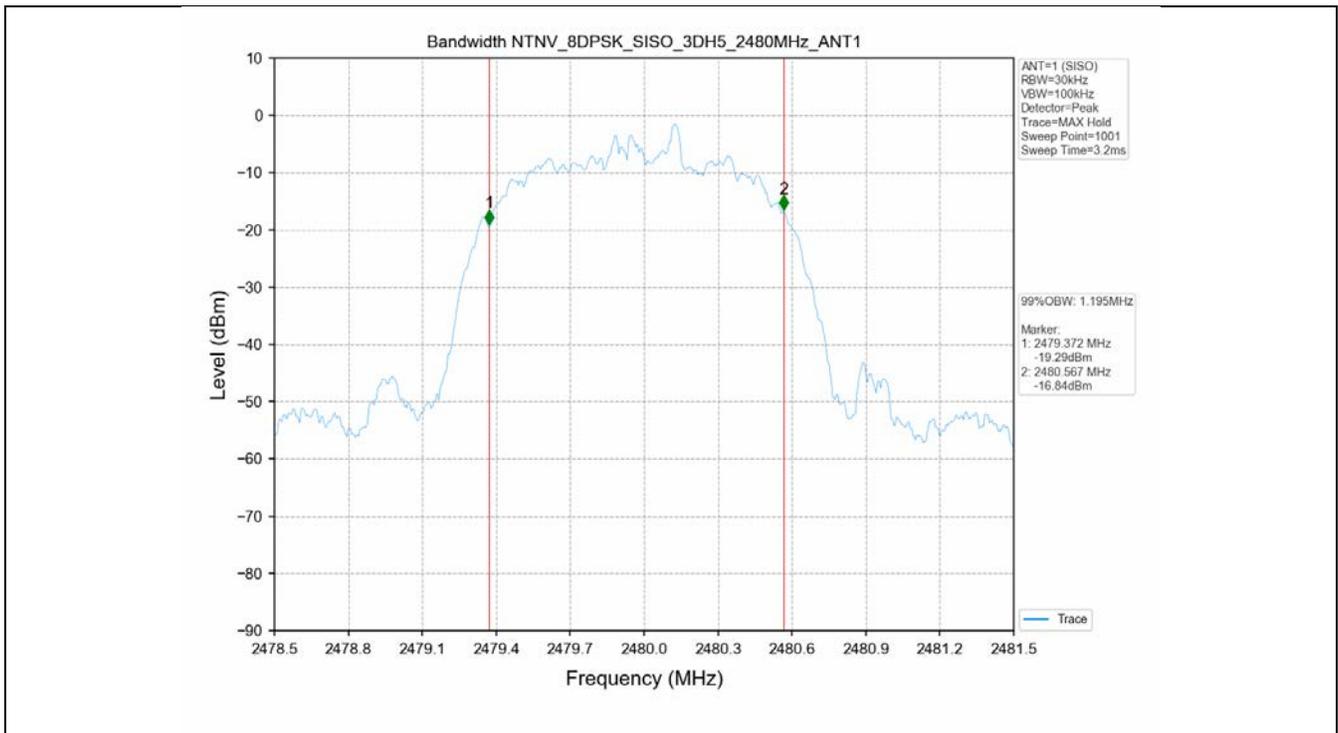
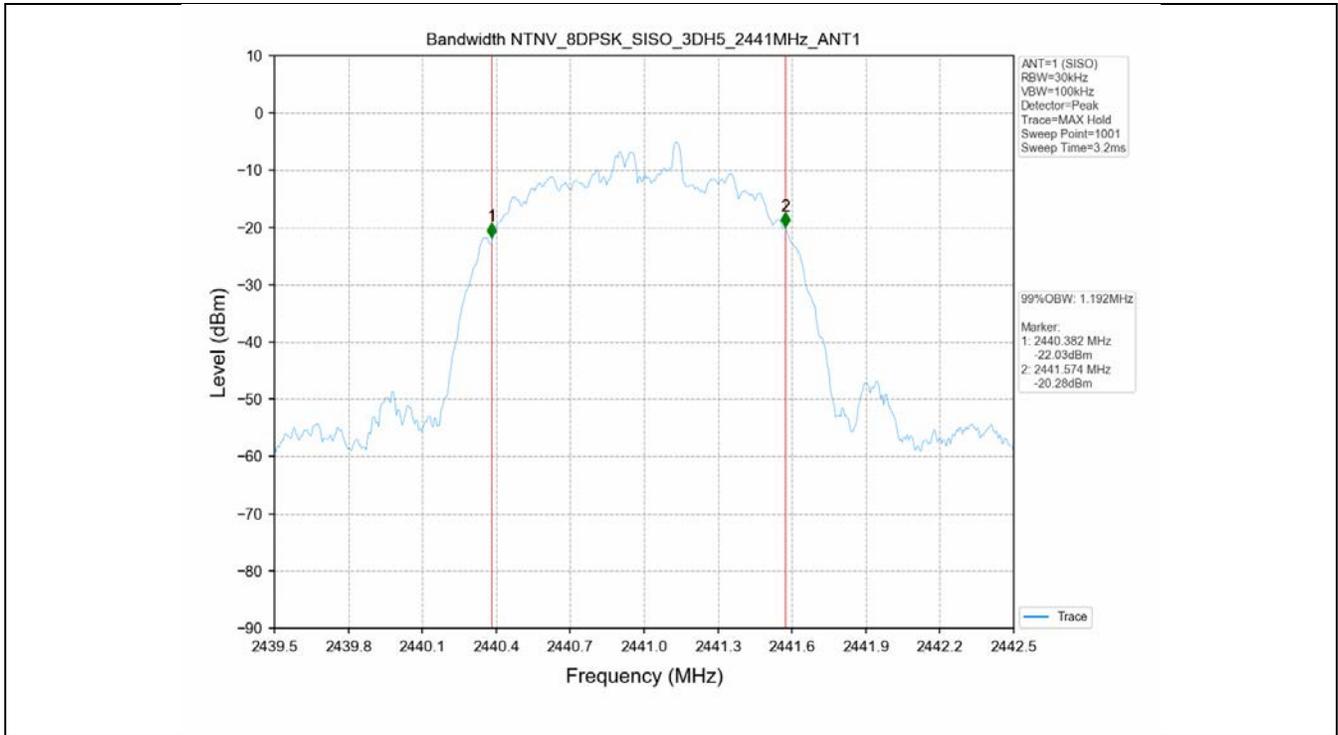
1.3 Test Graph - 99% Occupied Bandwidth











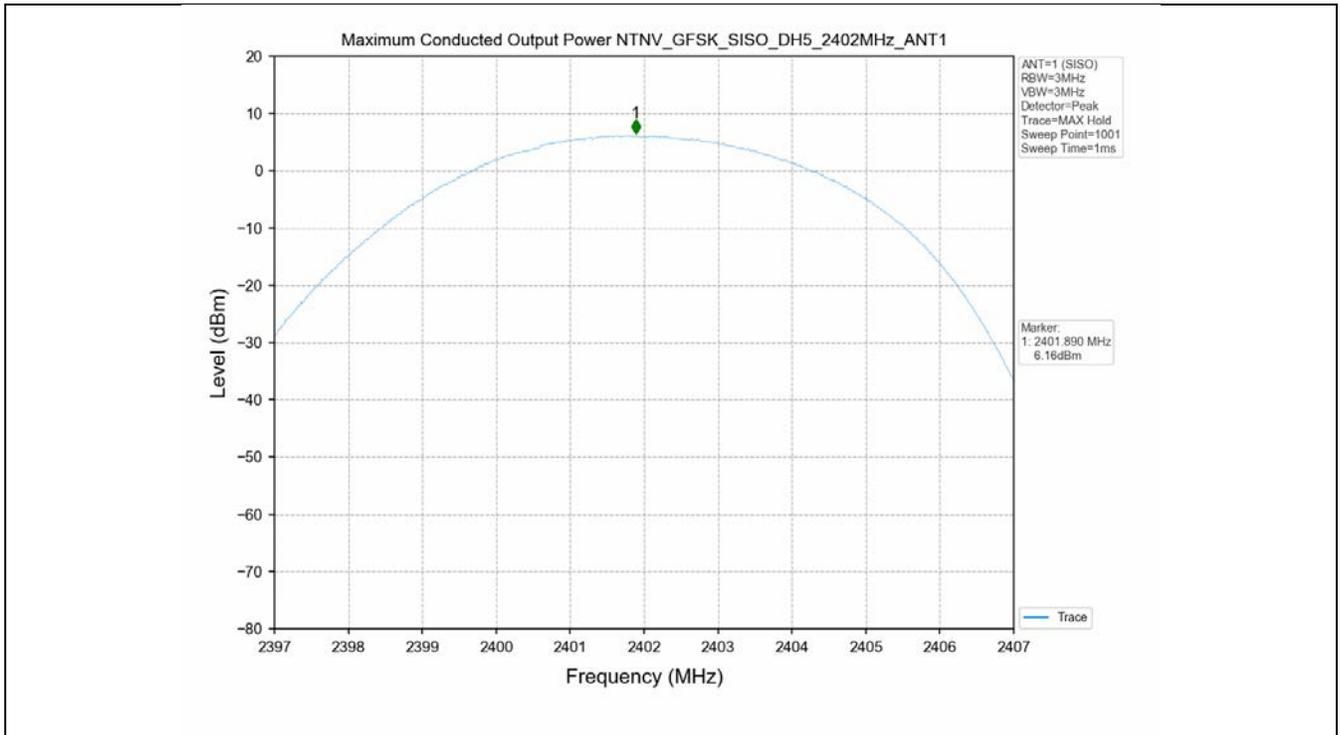


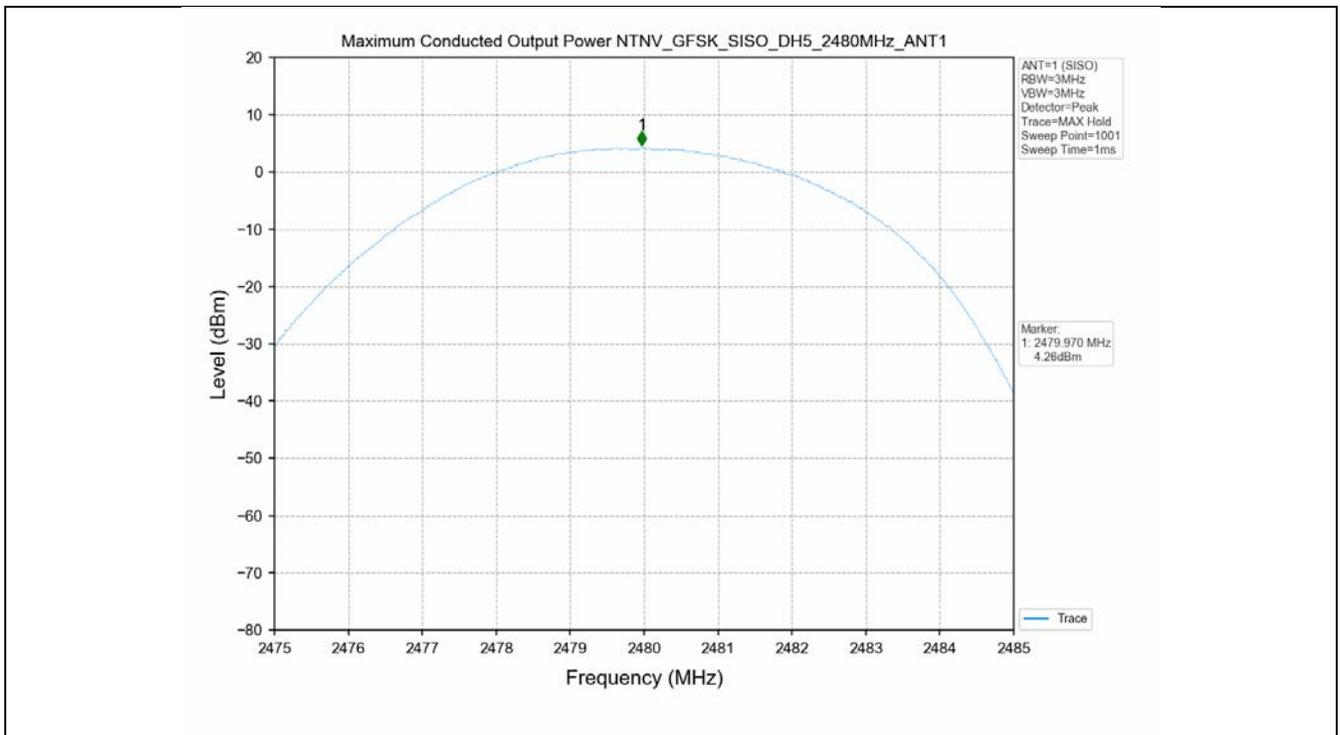
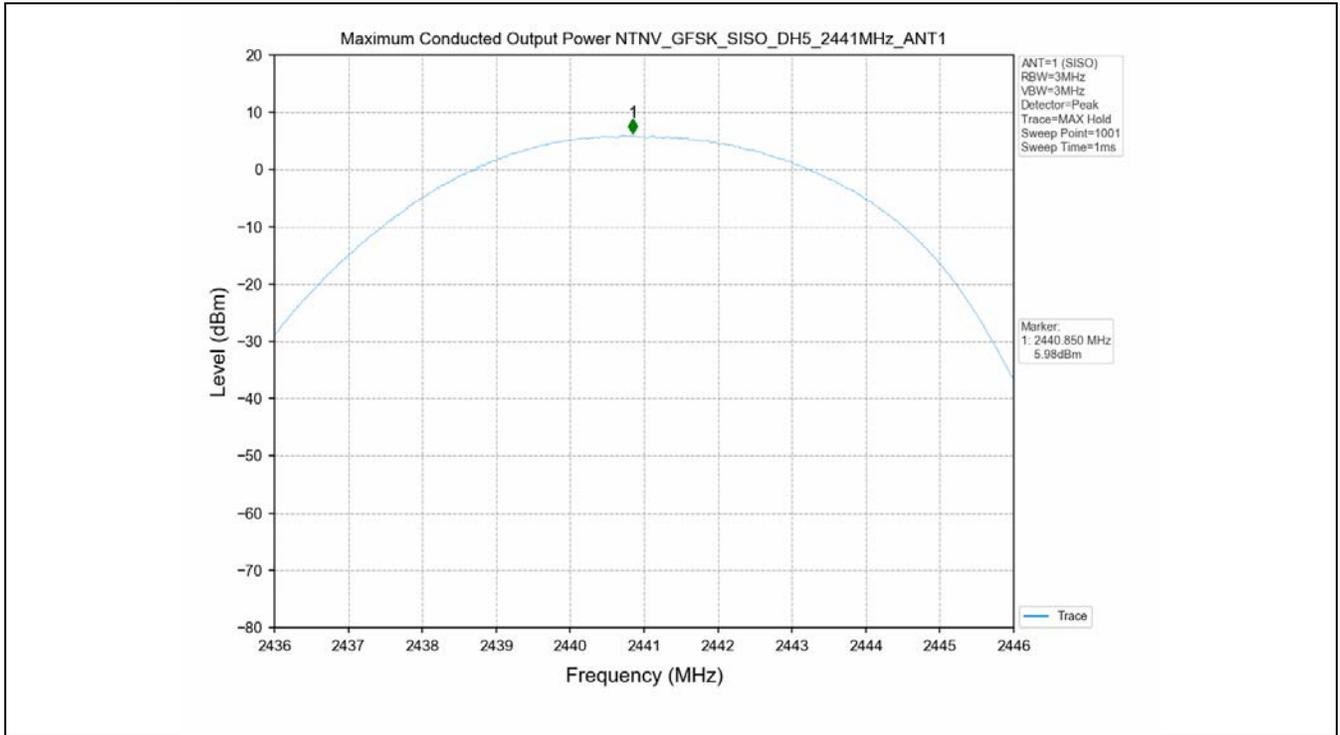
2. Maximum Conducted Output Power

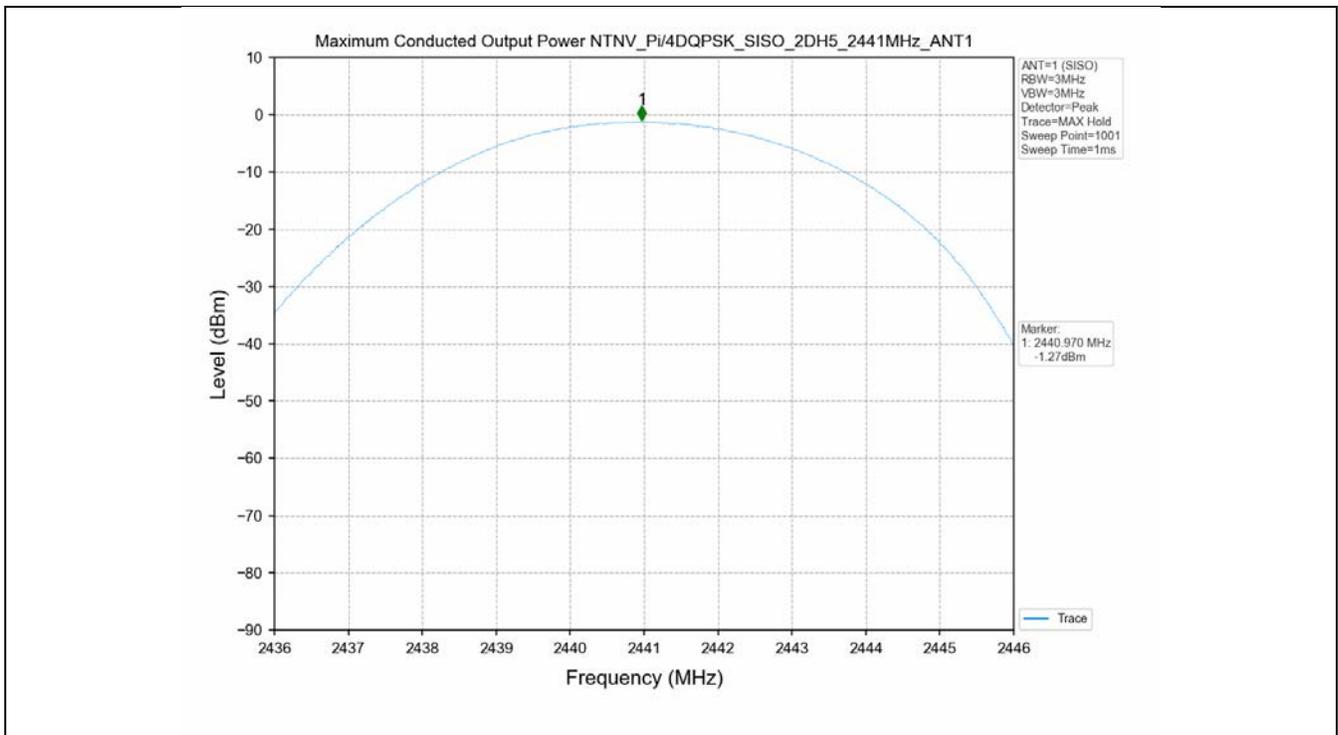
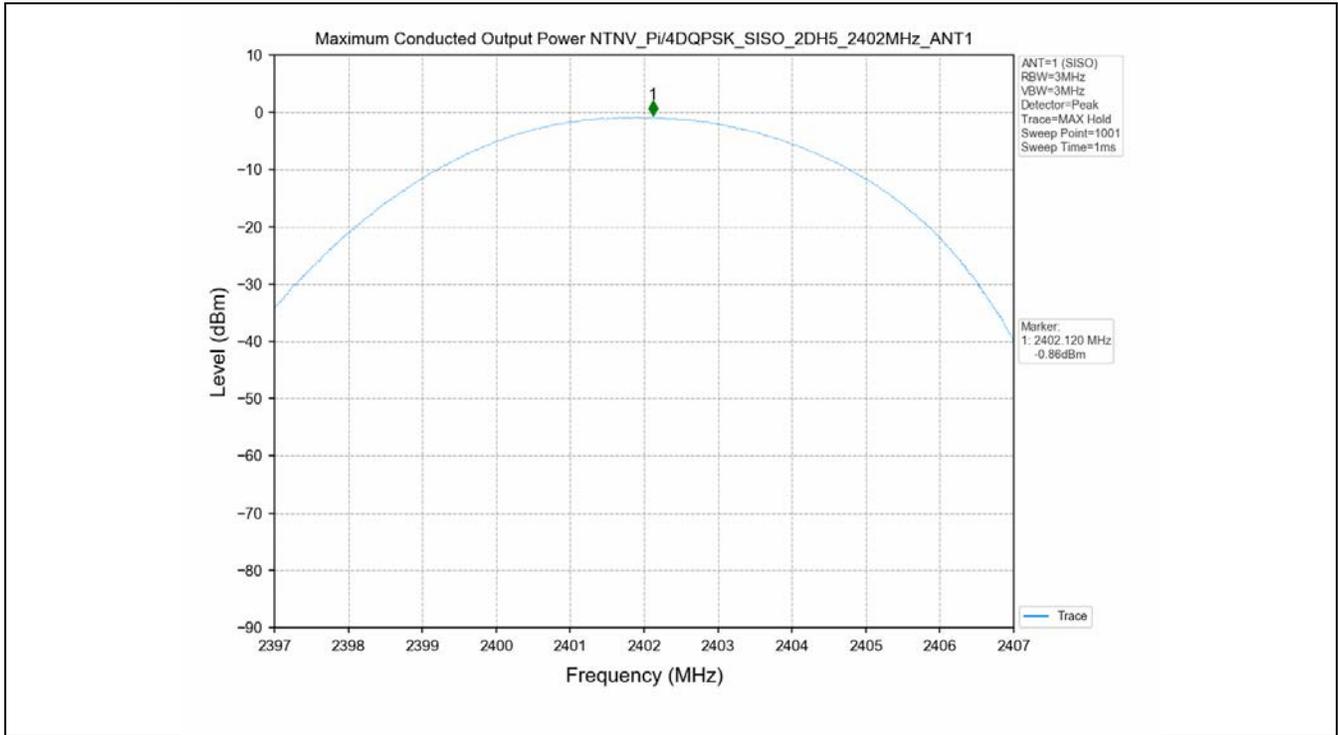
2.1 Test Result

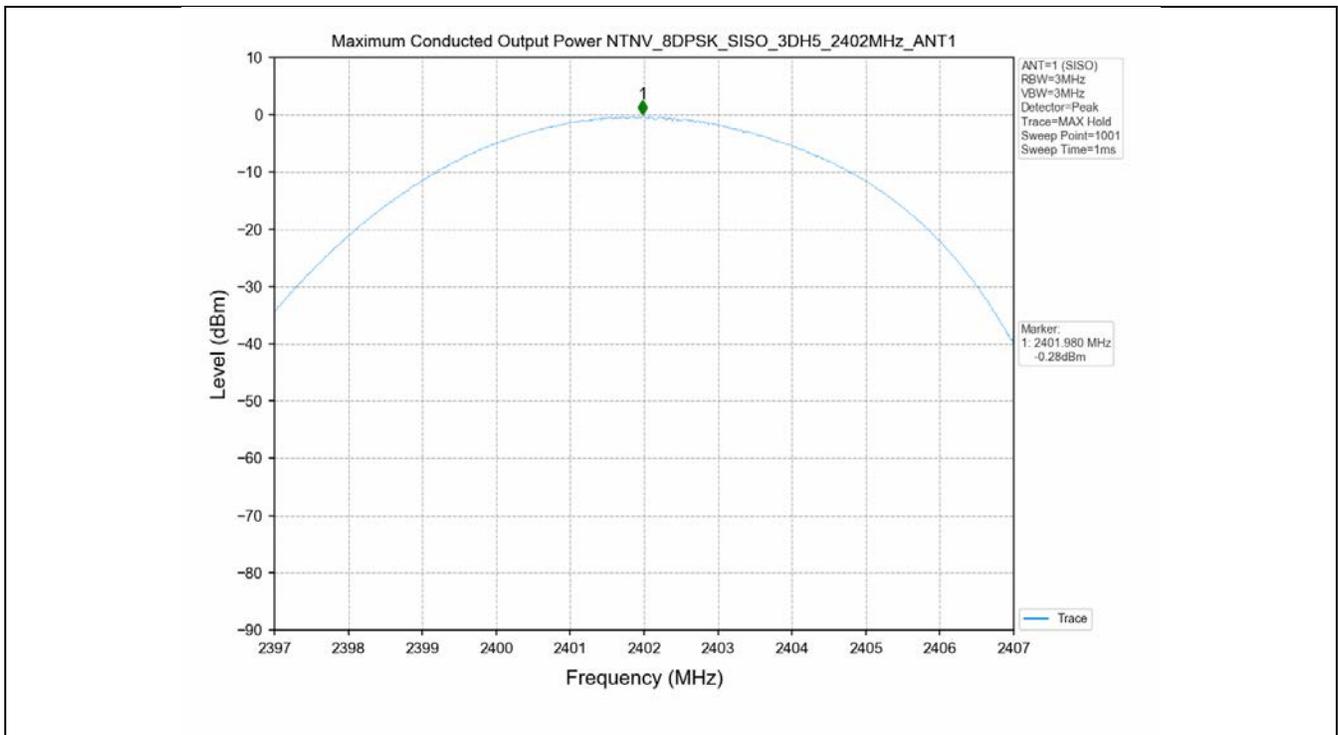
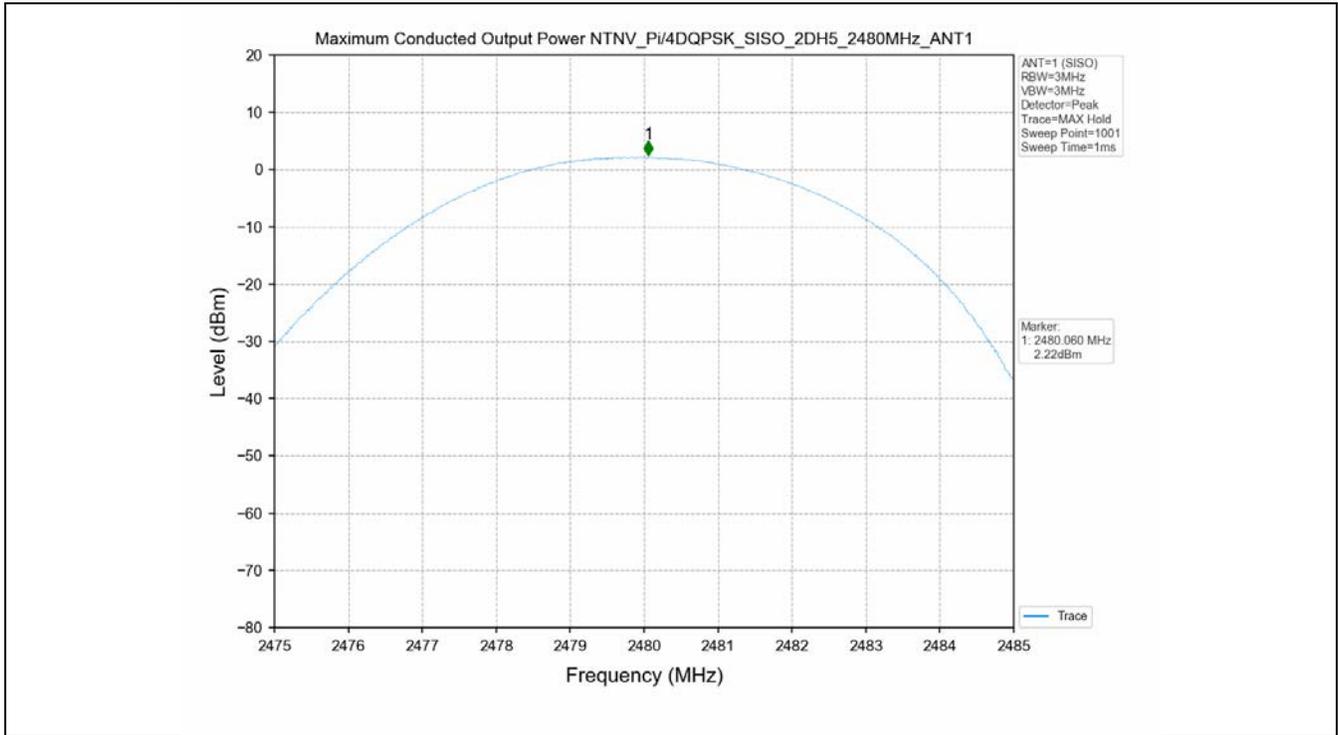
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	6.16	30	PASS
	2441	SISO	5.98	30	PASS
	2480	SISO	4.26	30	PASS
Pi/4DQPSK	2402	SISO	-0.86	20.97	PASS
	2441	SISO	-1.27	20.97	PASS
	2480	SISO	2.22	20.97	PASS
8DPSK	2402	SISO	-0.28	20.97	PASS
	2441	SISO	-0.76	20.97	PASS
	2480	SISO	2.81	20.97	PASS

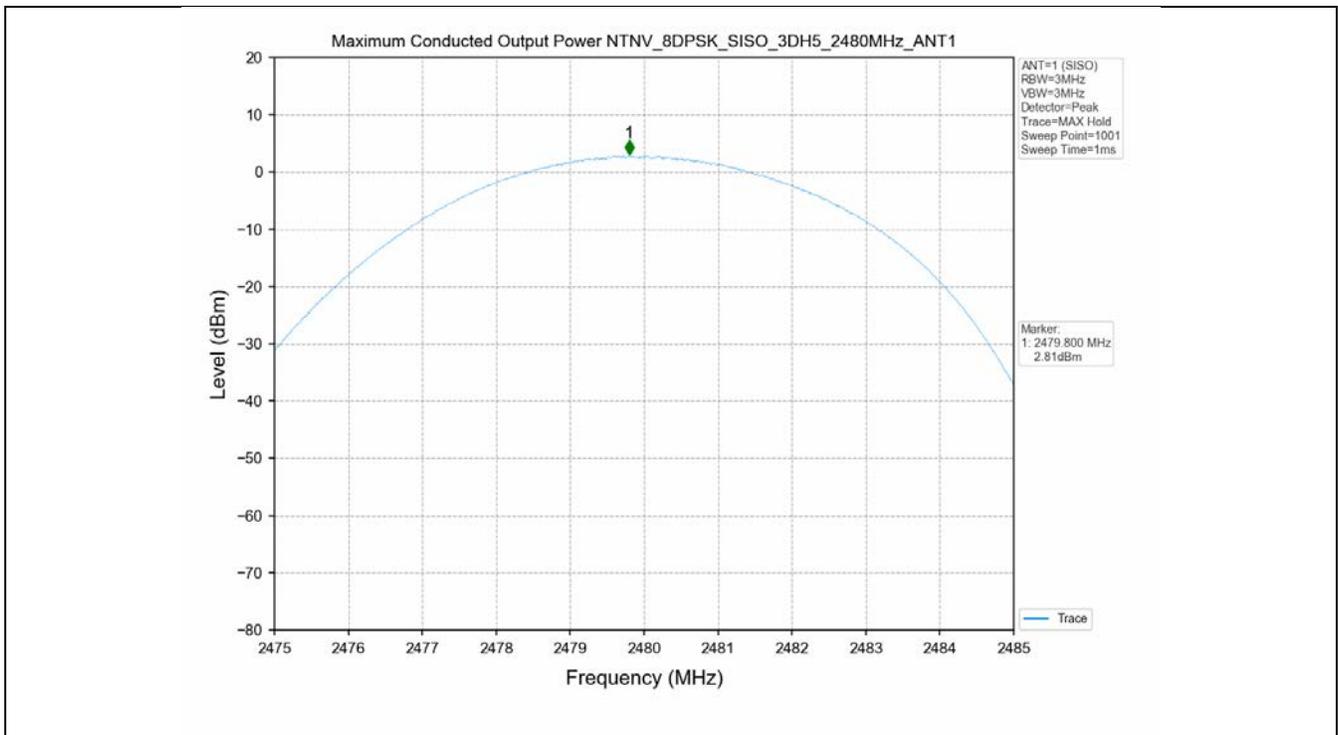
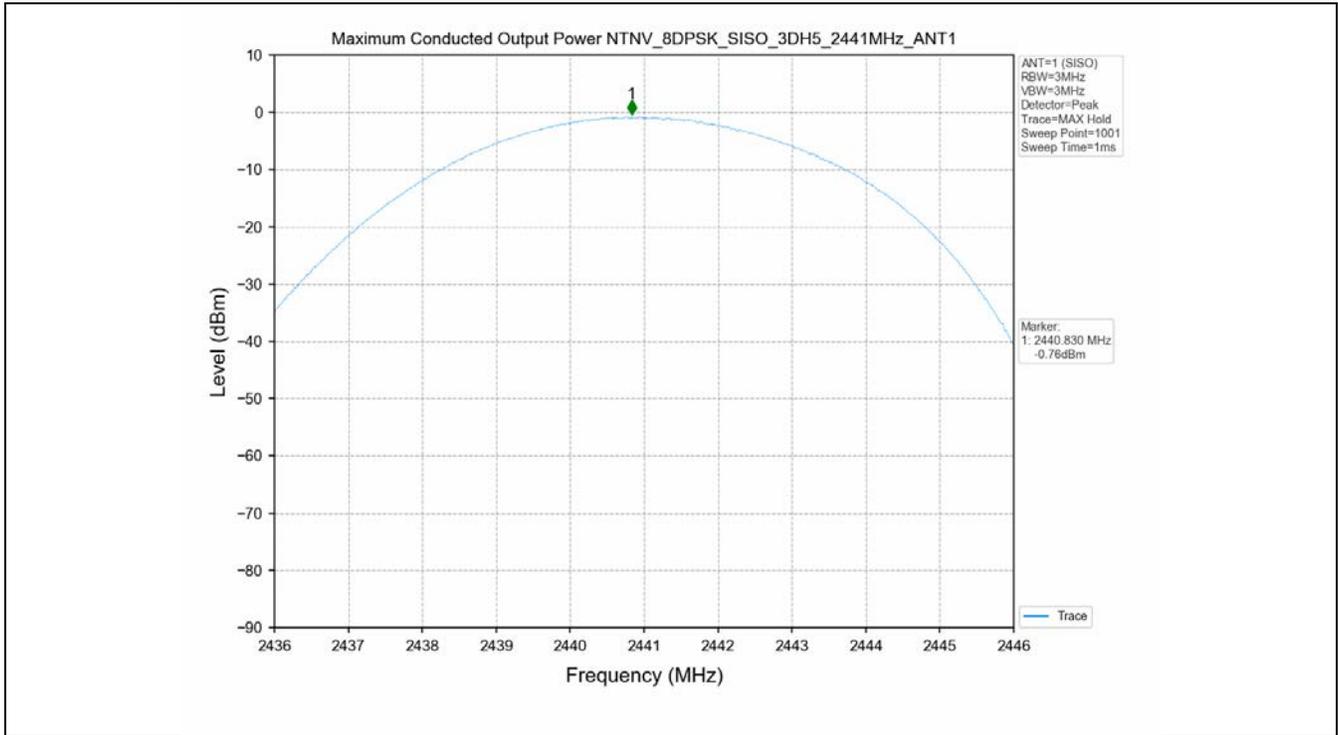
2.2 Test Graph











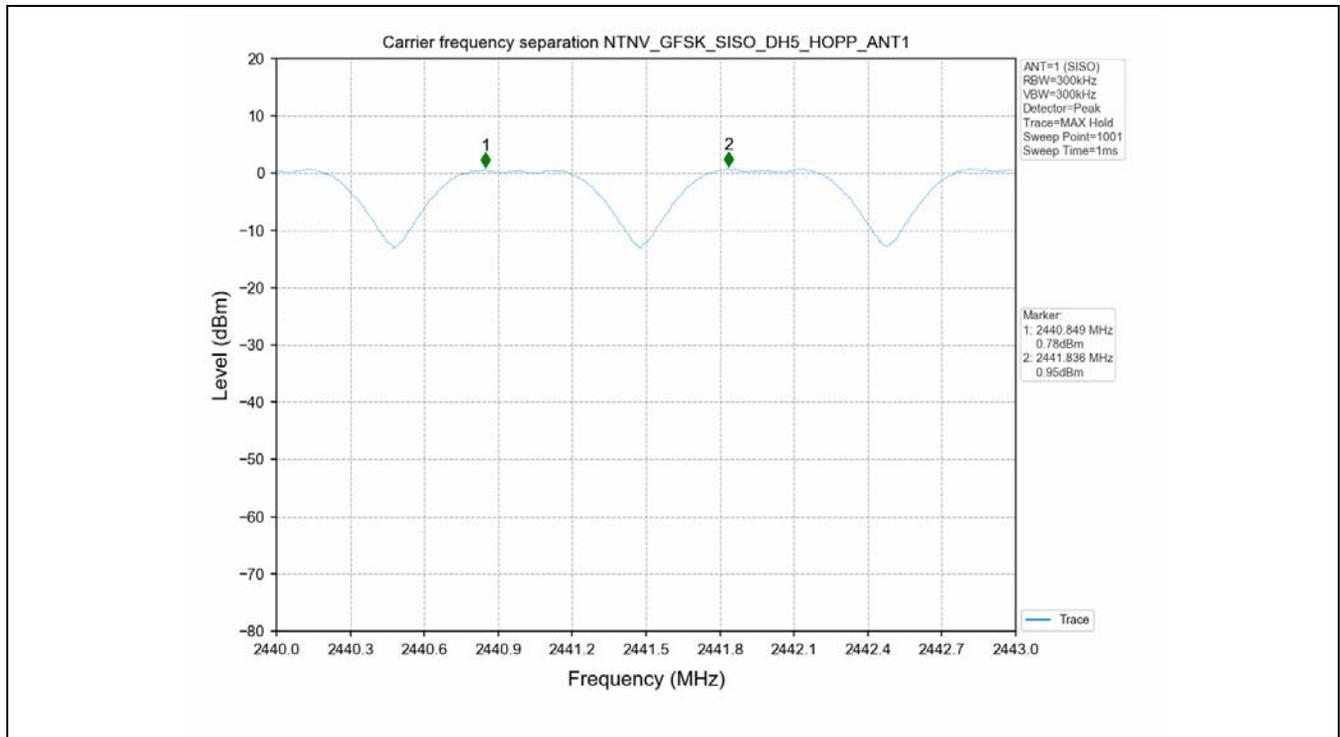


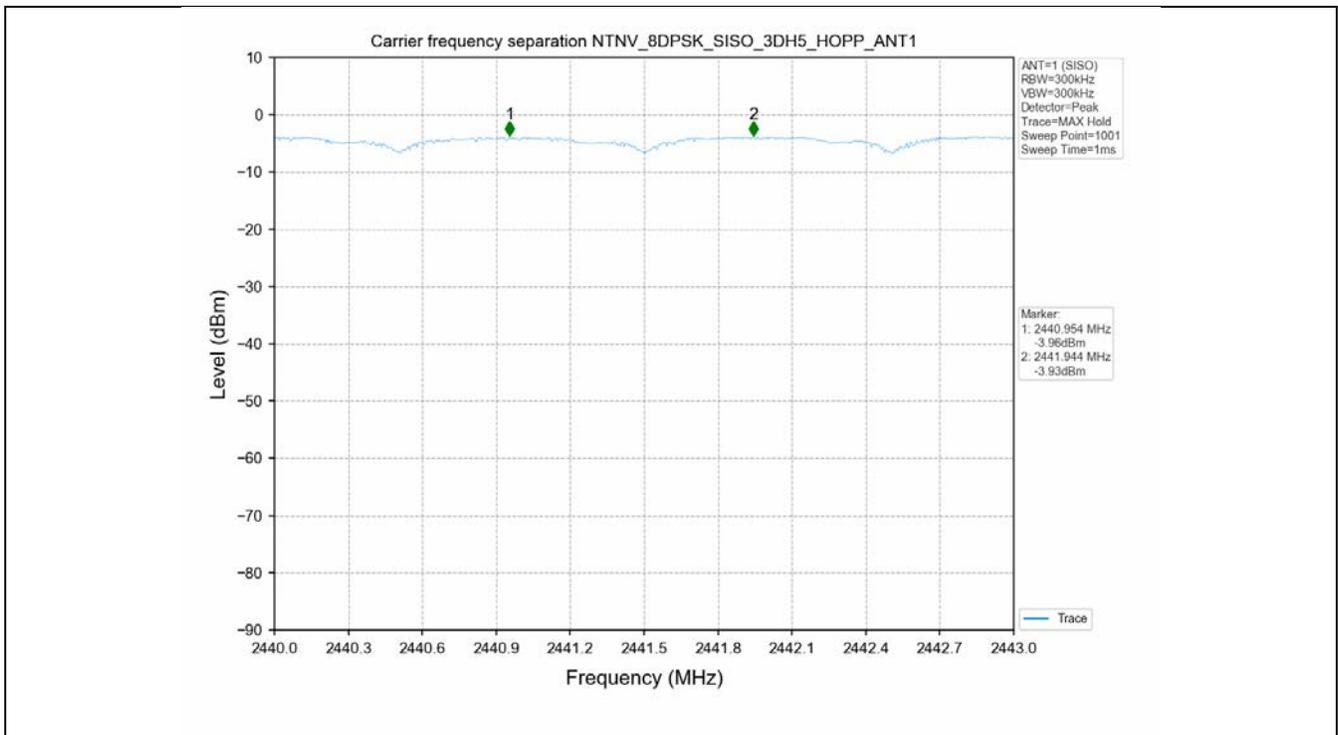
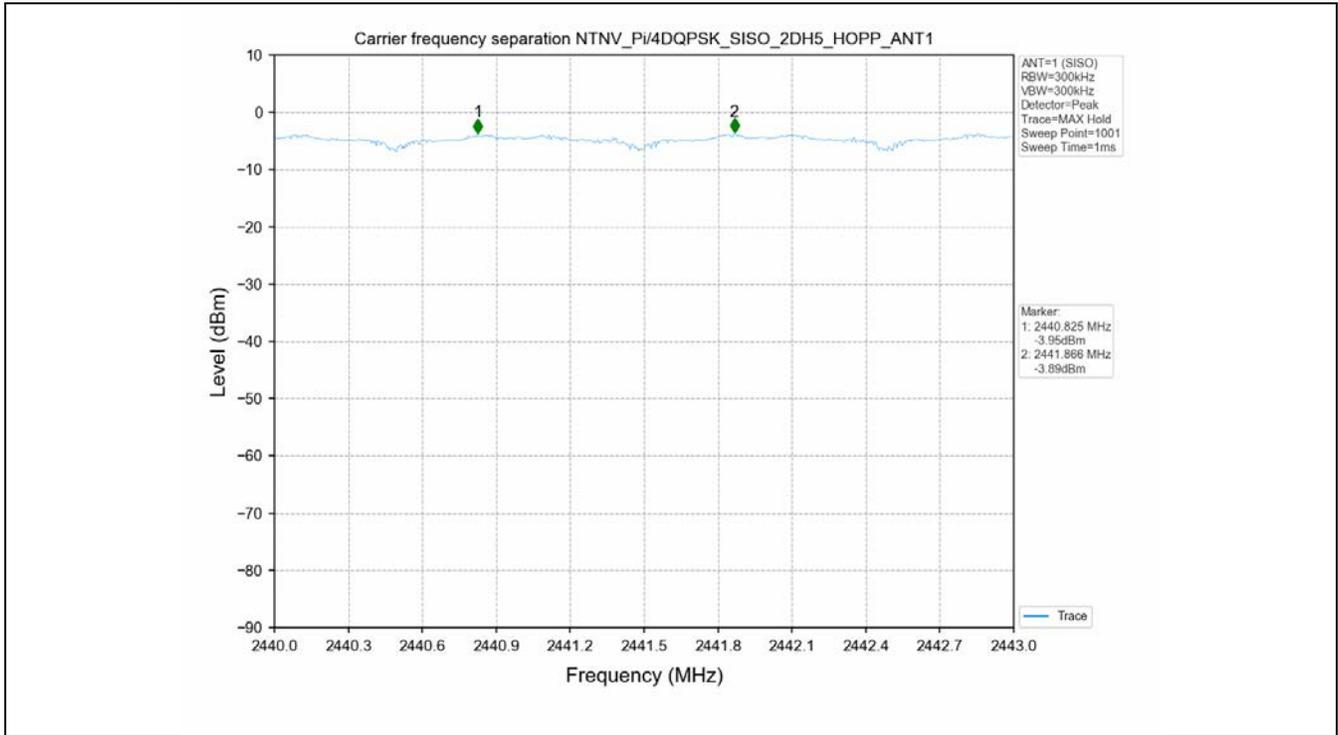
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	0.987	0.938	≥ 0.938	PASS
Pi/4DQPSK	SISO	1	1.041	1.345	≥ 0.897	PASS
8DPSK	SISO	1	0.990	1.315	≥ 0.877	PASS

3.2 Test Graph





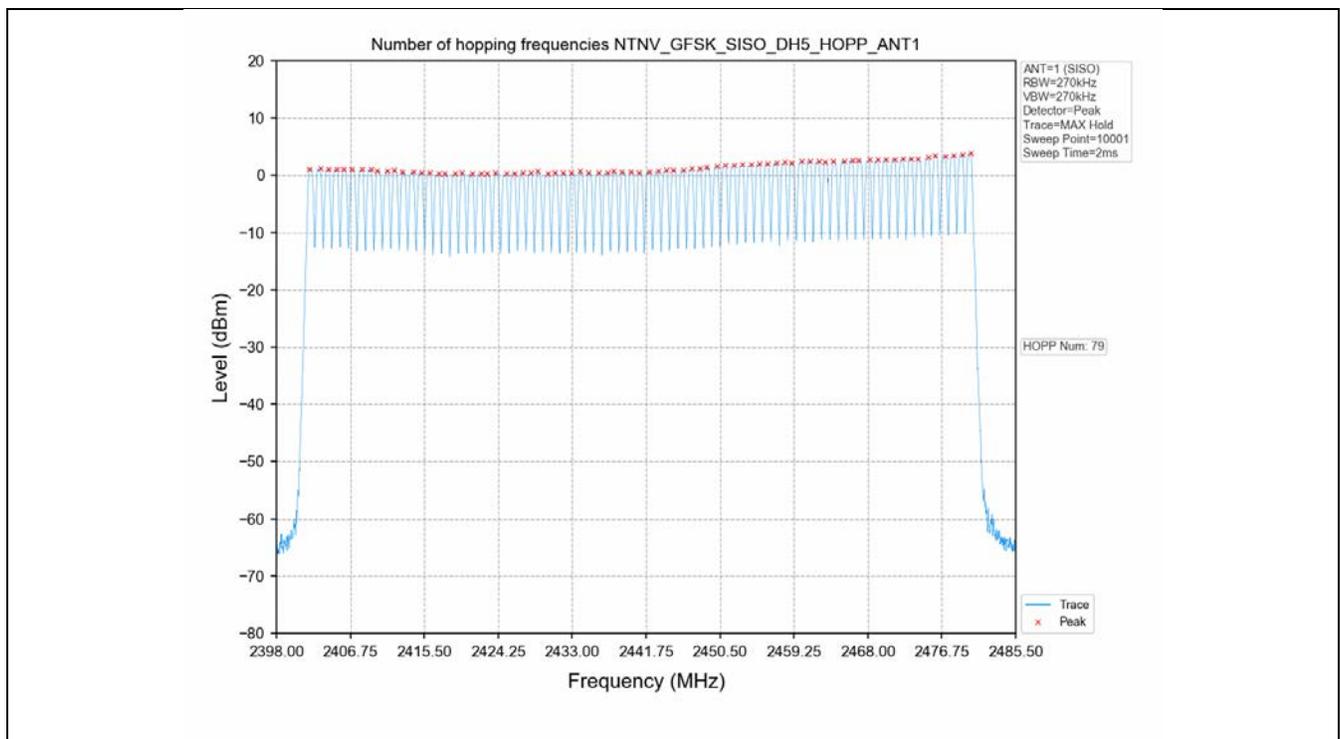


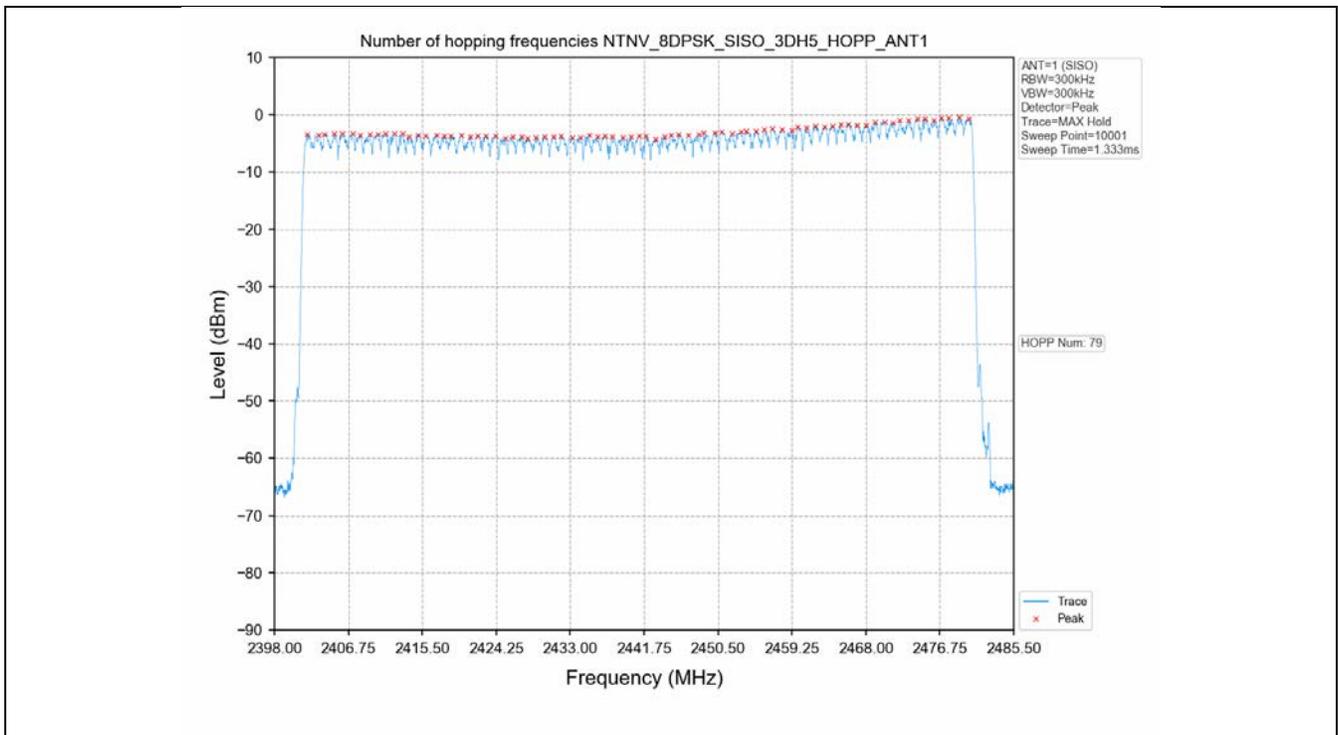
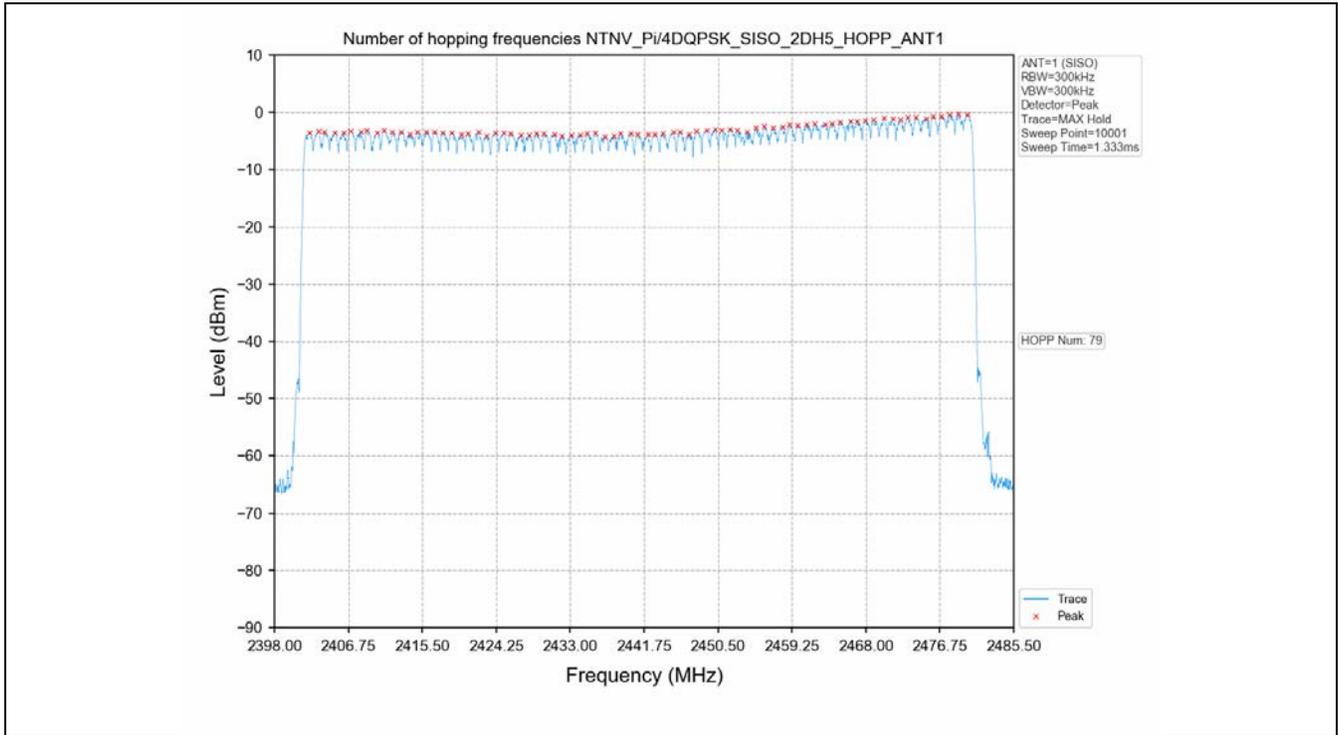
4. Number of hopping frequencies

4.1 Test Result

Test Mode	TX Type	ANT No.	Num of Hopping Frequencies	Limits	Verdict
GFSK	SISO	1	79	≥15	PASS
Pi/4DQPSK	SISO	1	79	≥15	PASS
8DPSK	SISO	1	79	≥15	PASS

4.2 Test Graph





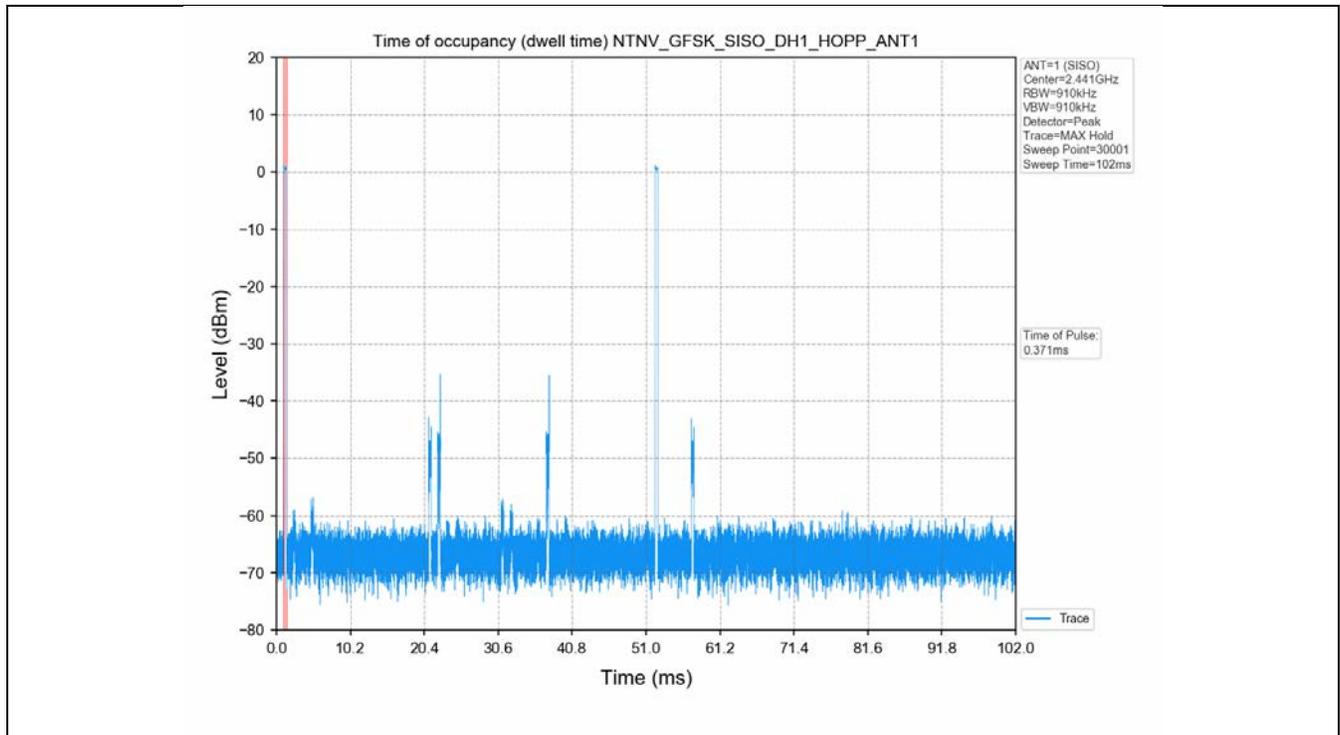


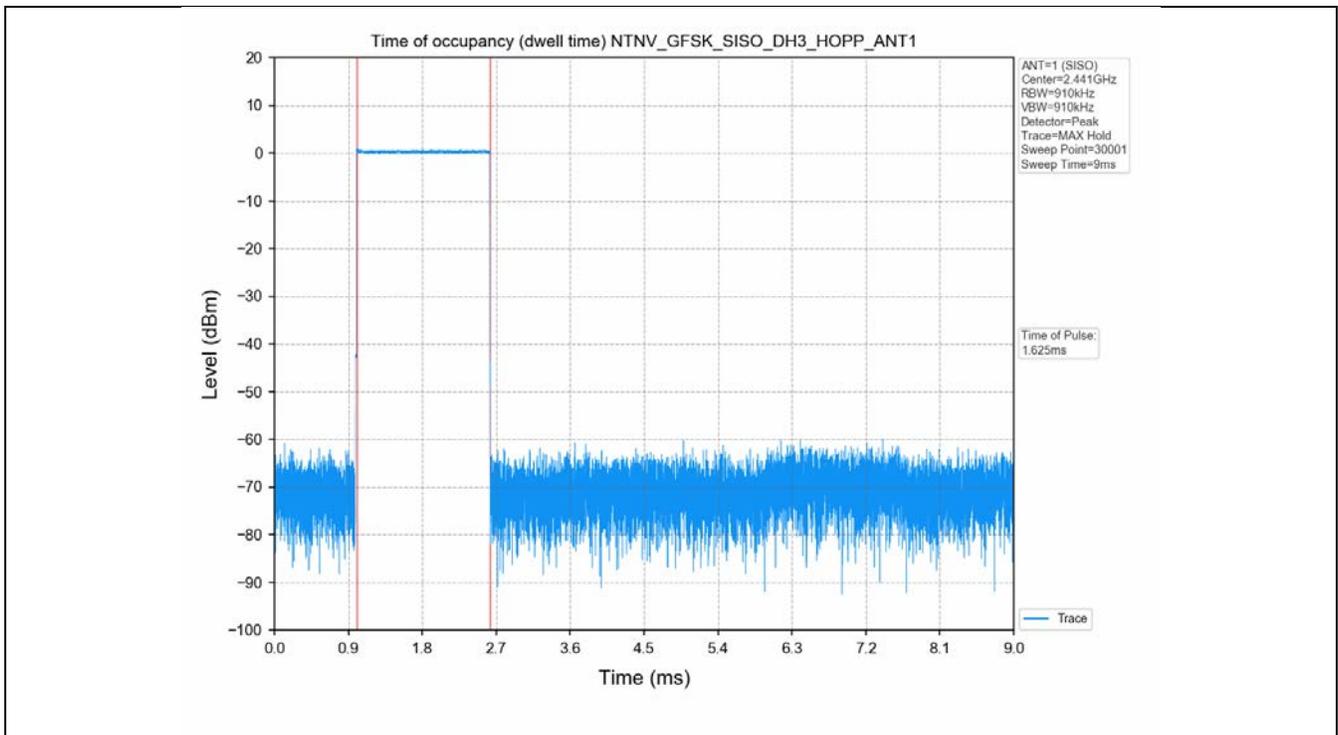
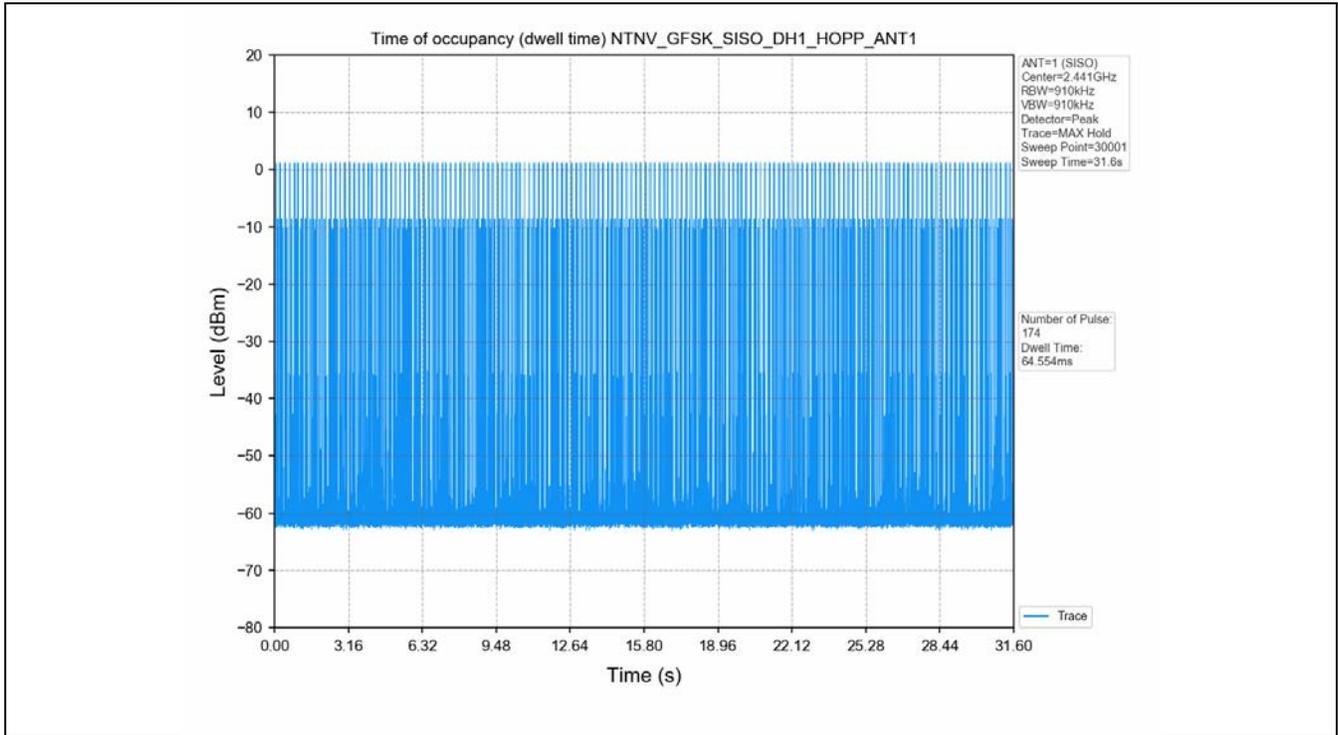
5. Time of occupancy (dwell time)

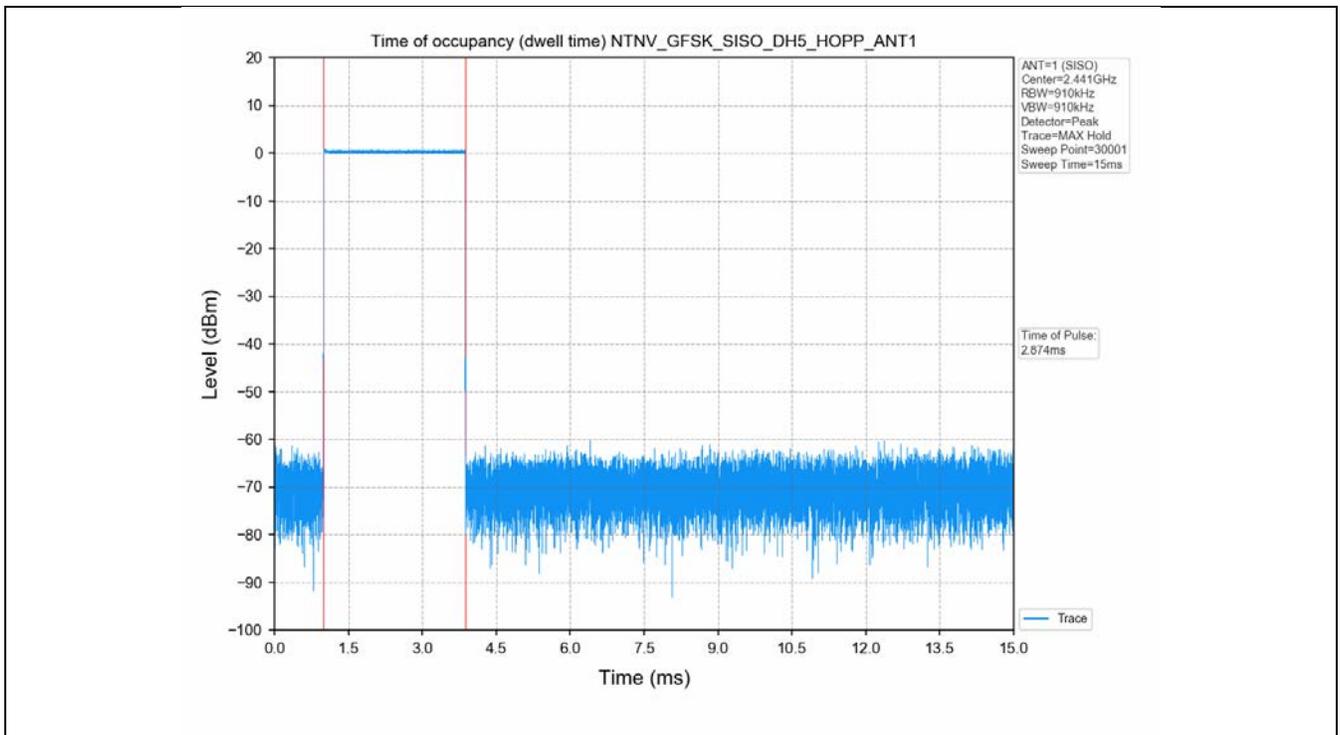
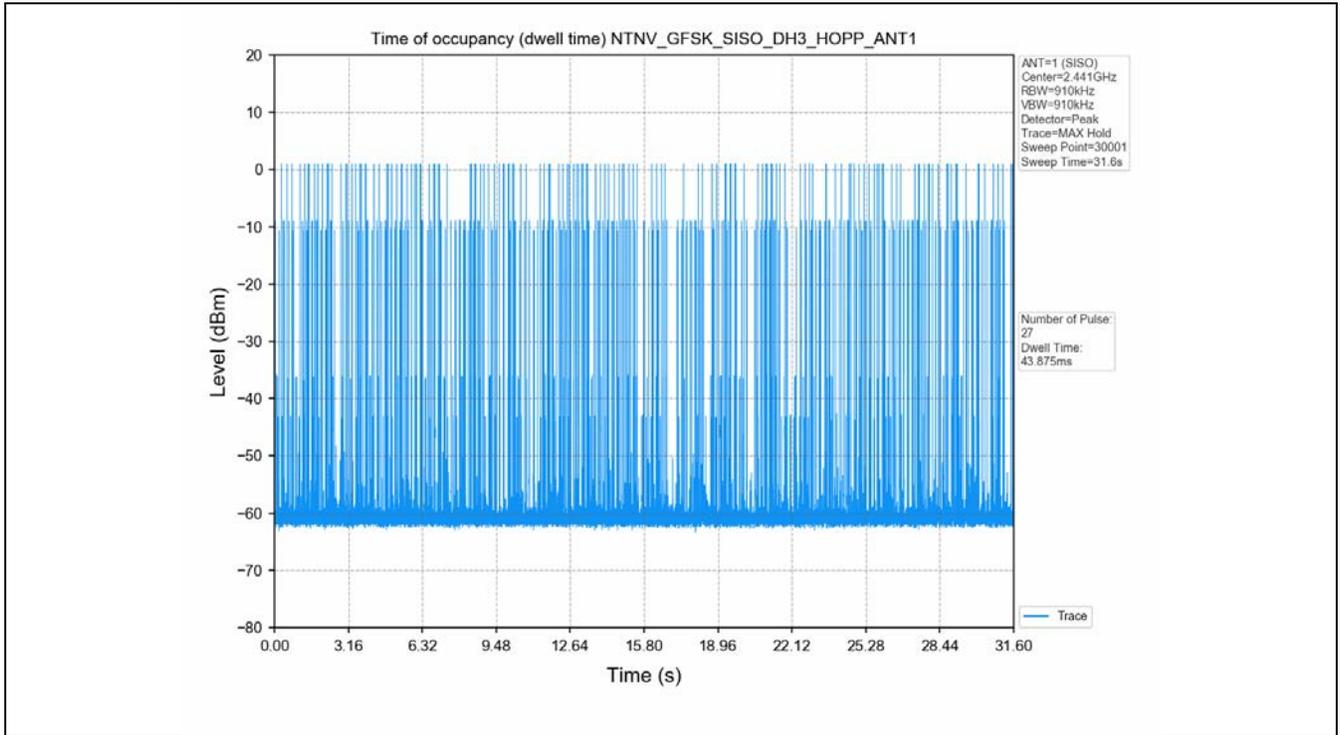
5.1 Test Result

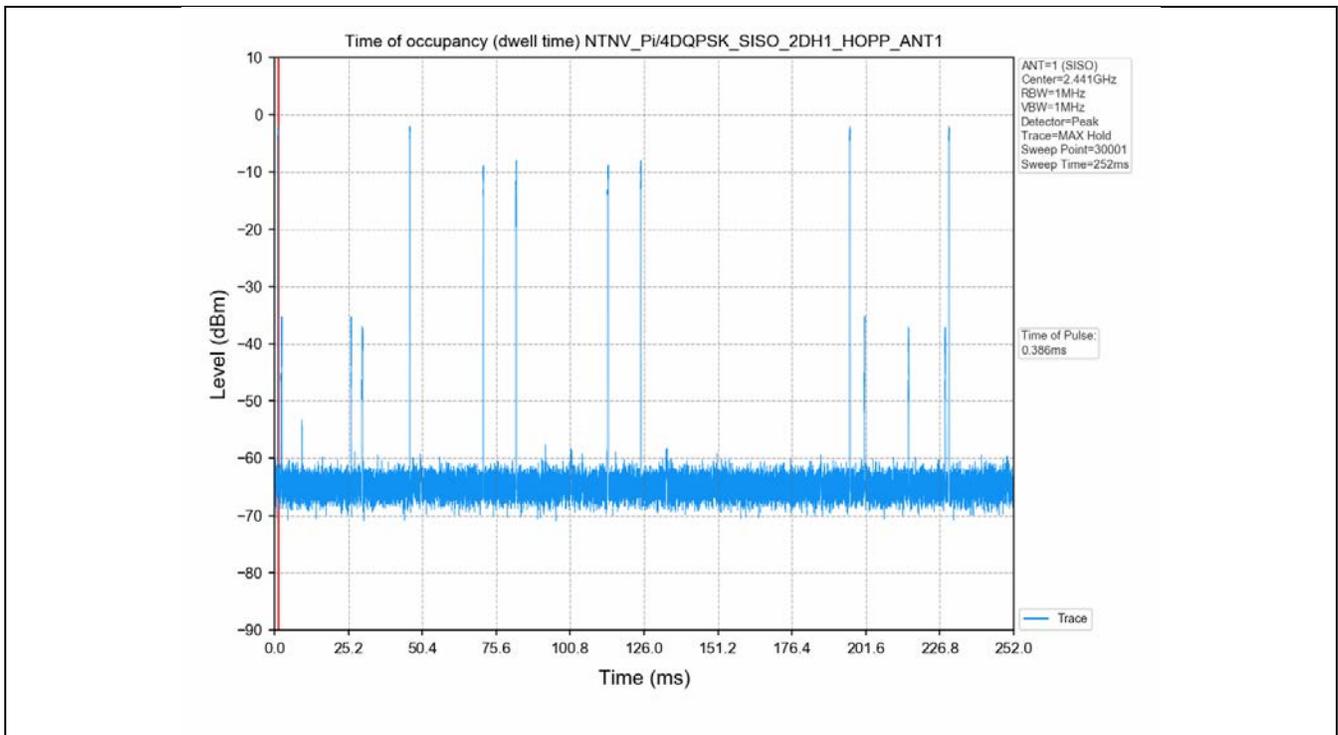
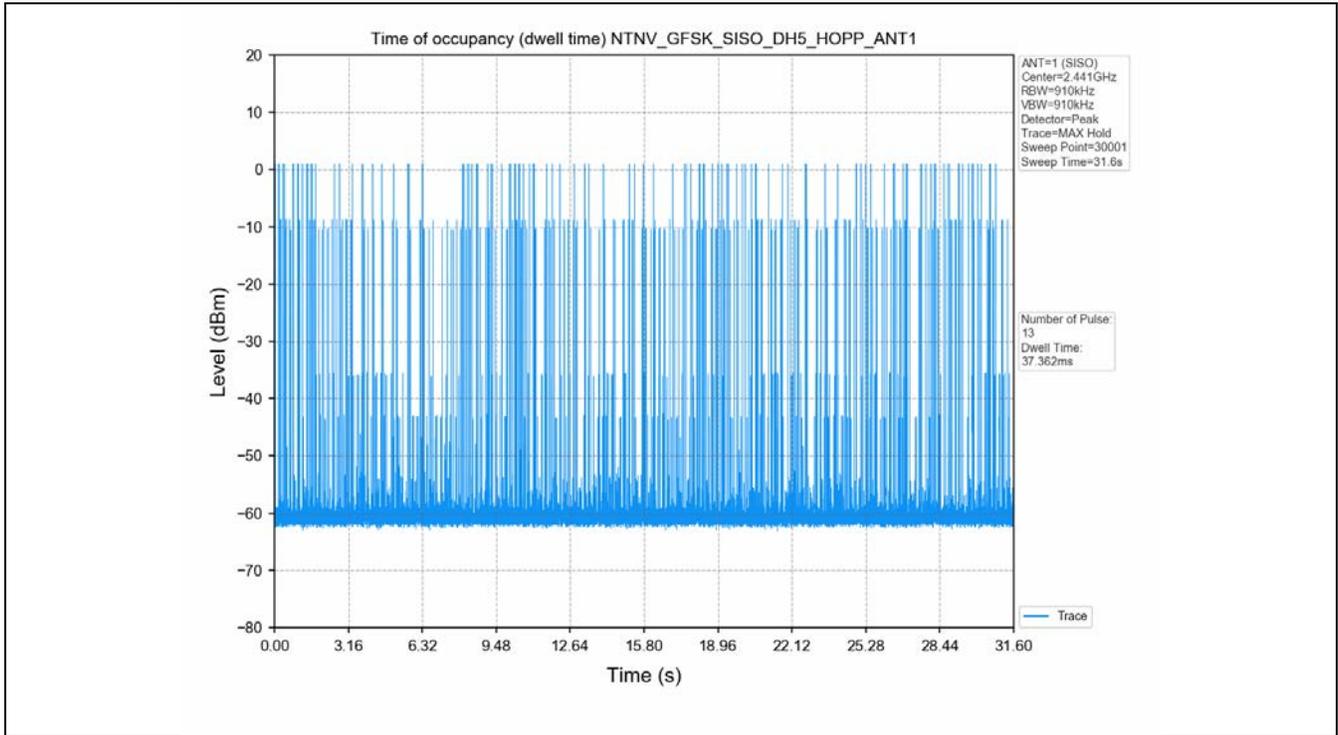
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.371	31.6	174	64.554	≤400	PASS
	DH3	SISO	1	1.625	31.6	27	43.875	≤400	PASS
	DH5	SISO	1	2.874	31.6	13	37.362	≤400	PASS
Pi/4D QPS K	2DH1	SISO	1	0.386	31.6	174	67.164	≤400	PASS
	2DH3	SISO	1	1.628	31.6	29	47.212	≤400	PASS
	2DH5	SISO	1	2.876	31.6	7	20.132	≤400	PASS
8DPS K	3DH1	SISO	1	0.380	31.6	183	69.540	≤400	PASS
	3DH3	SISO	1	1.553	31.6	88	136.664	≤400	PASS
	3DH5	SISO	1	2.878	31.6	30	86.340	≤400	PASS

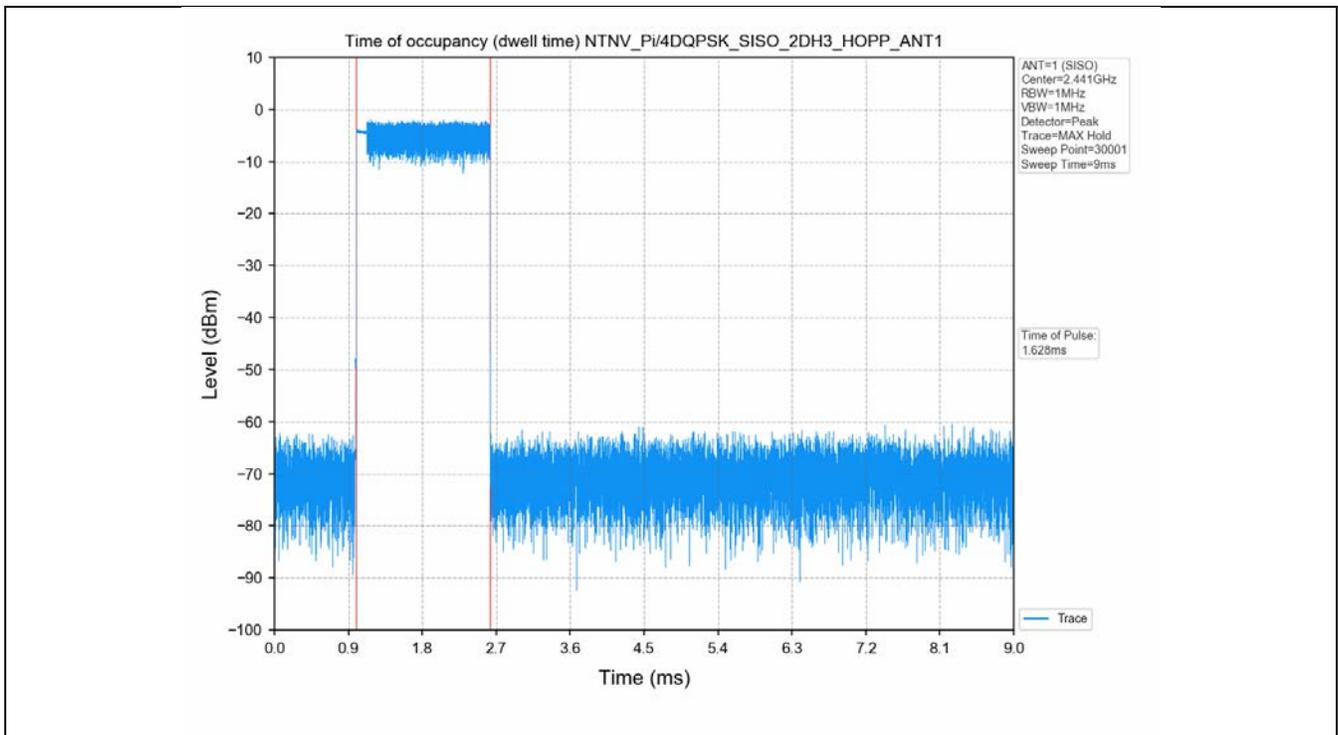
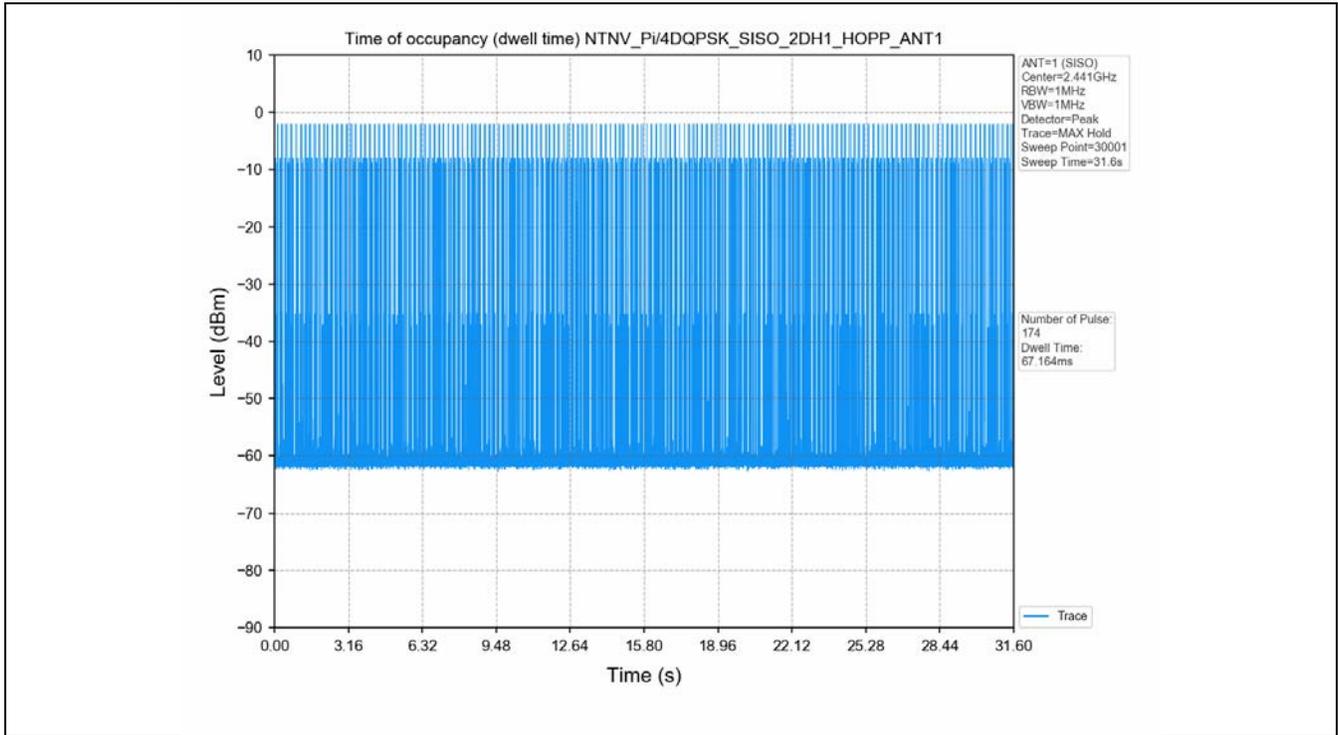
5.2 Test Graph

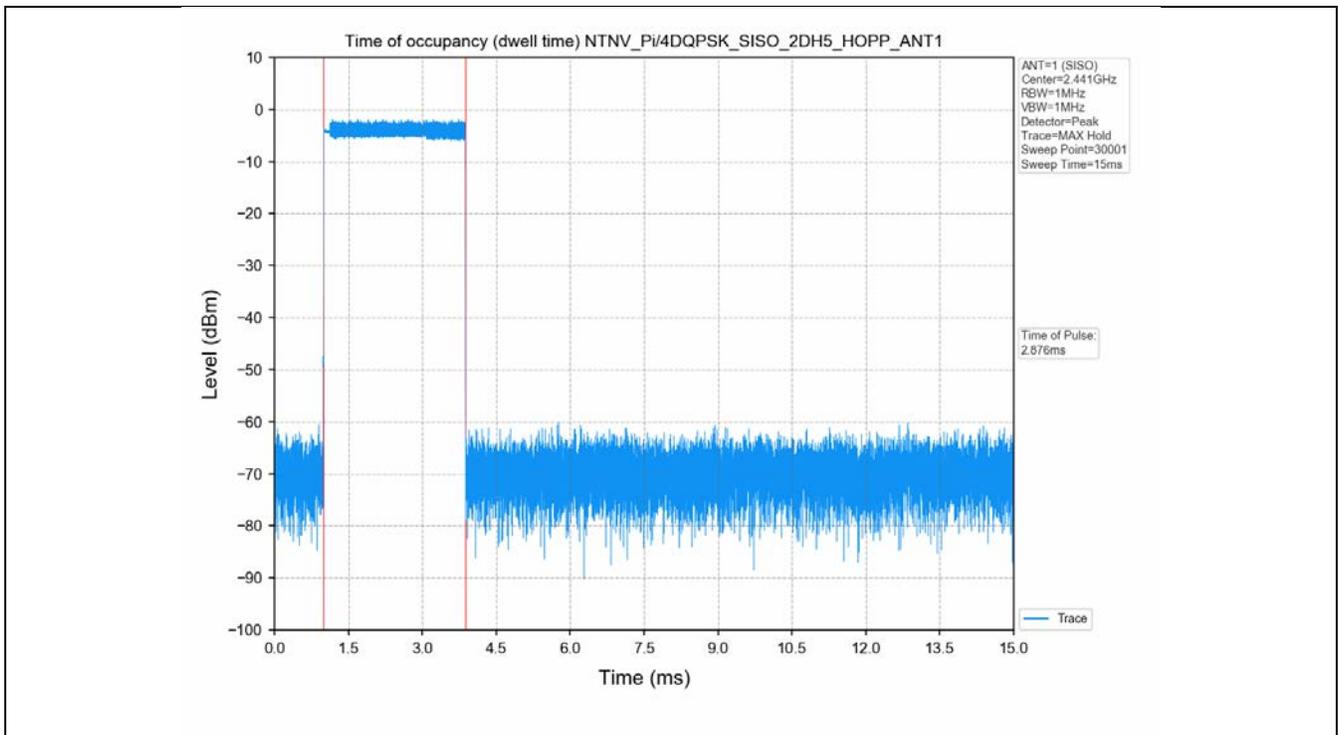
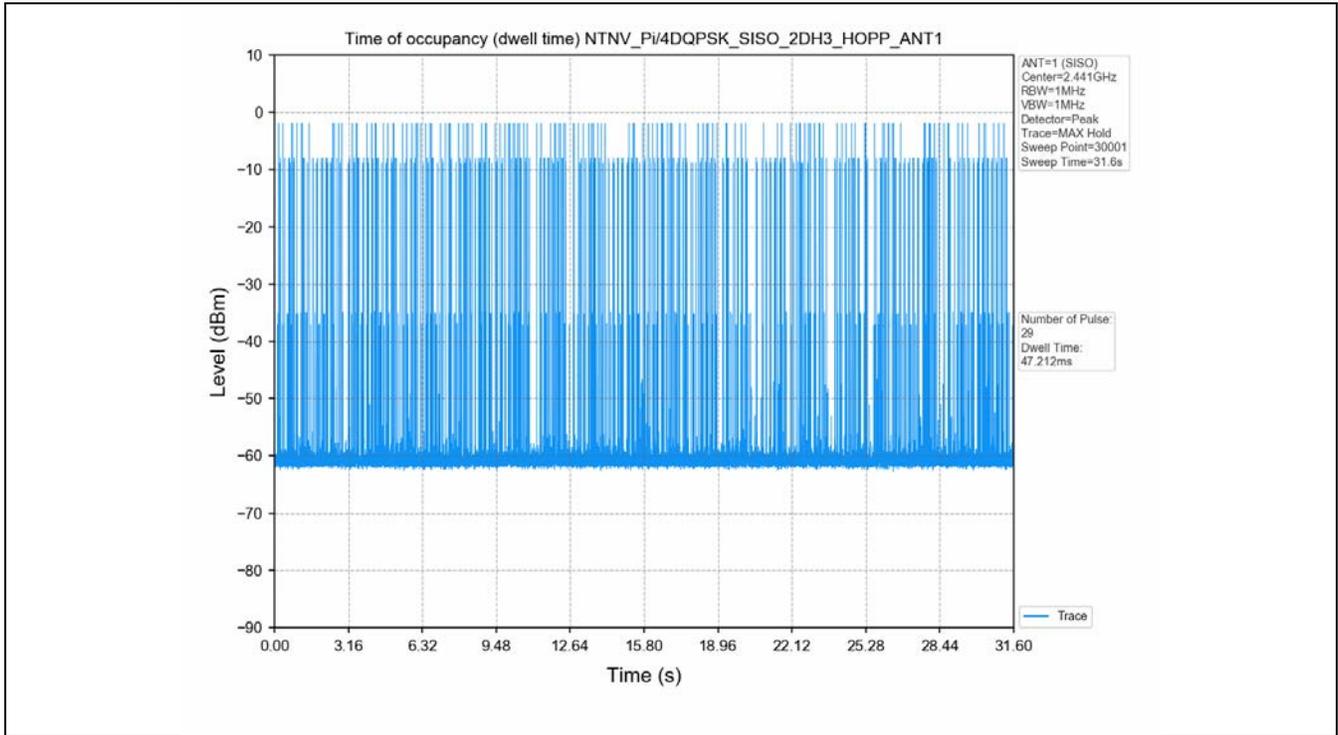


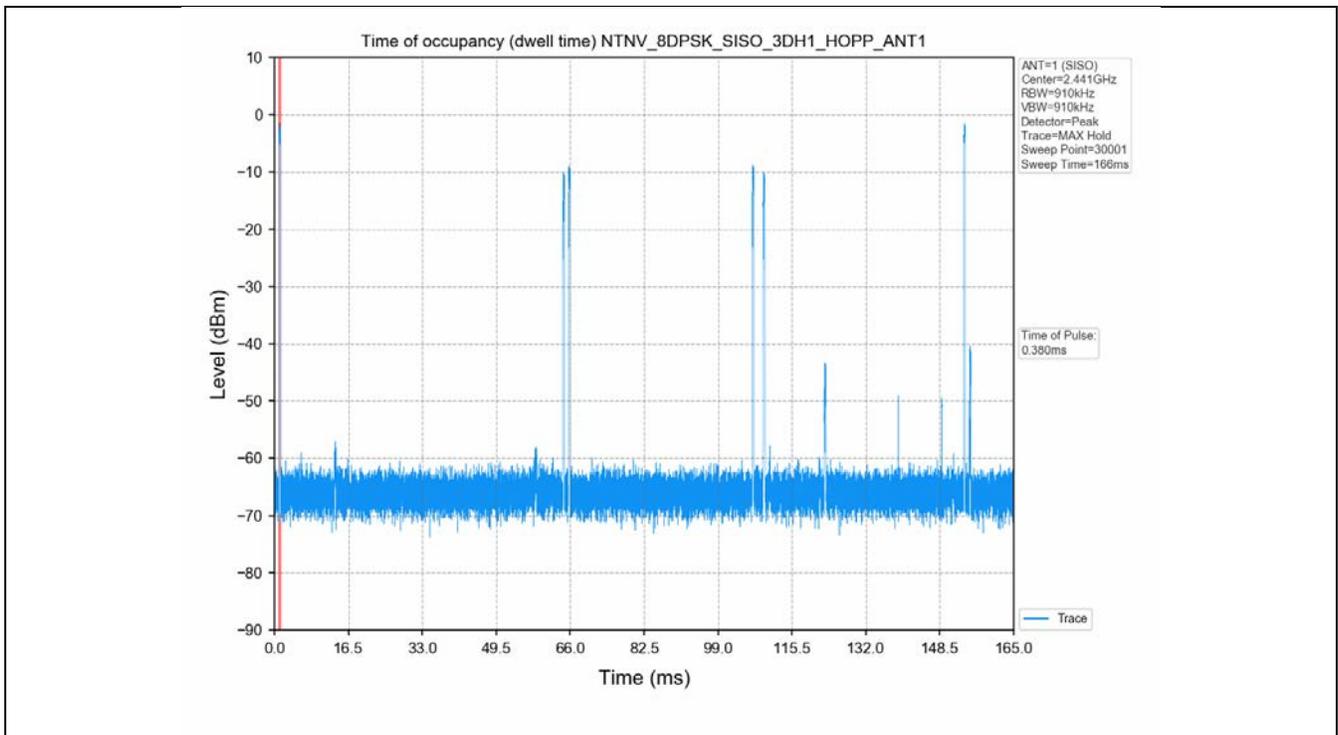
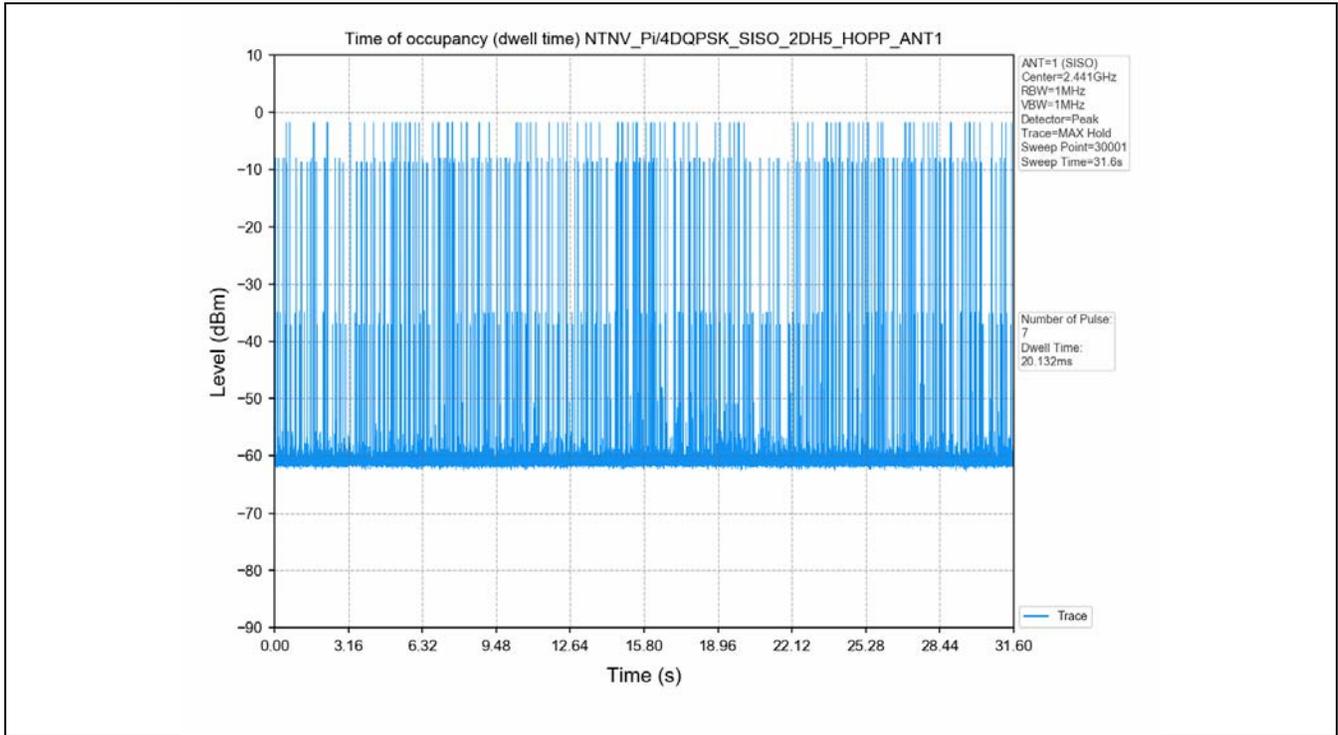


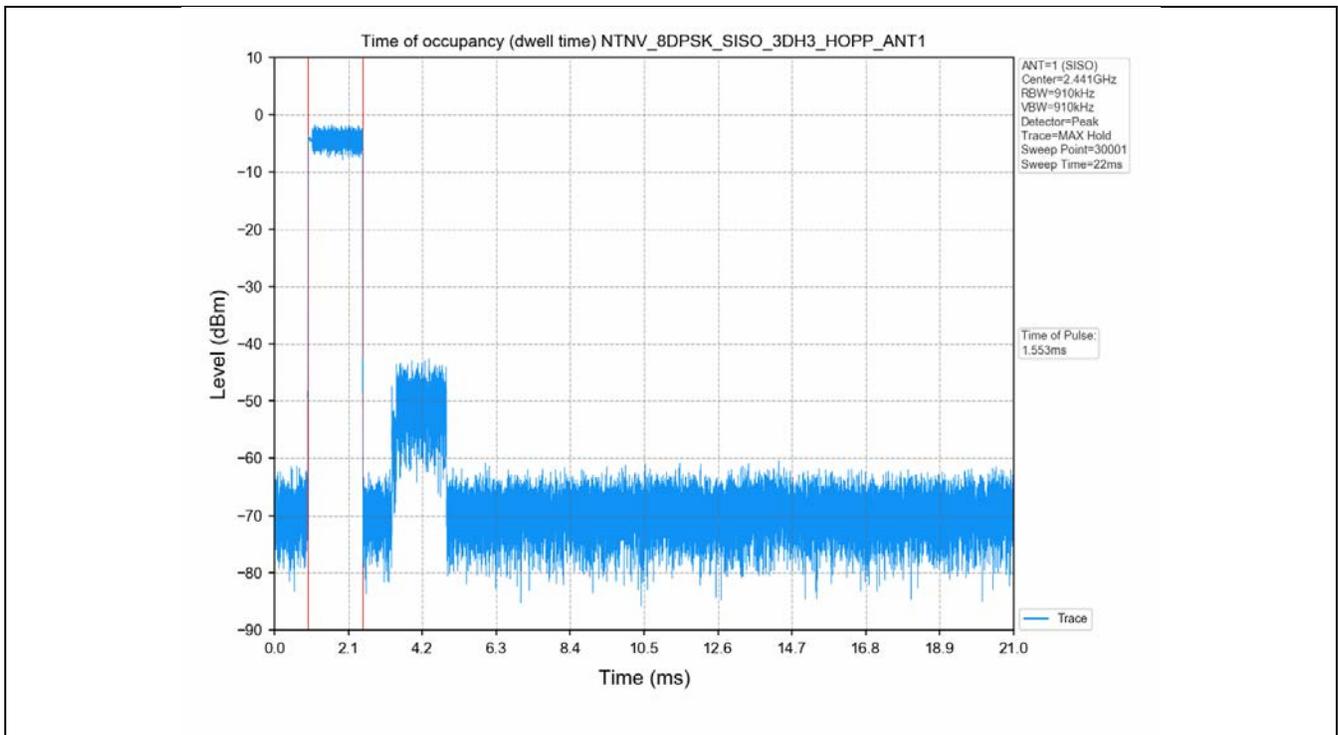
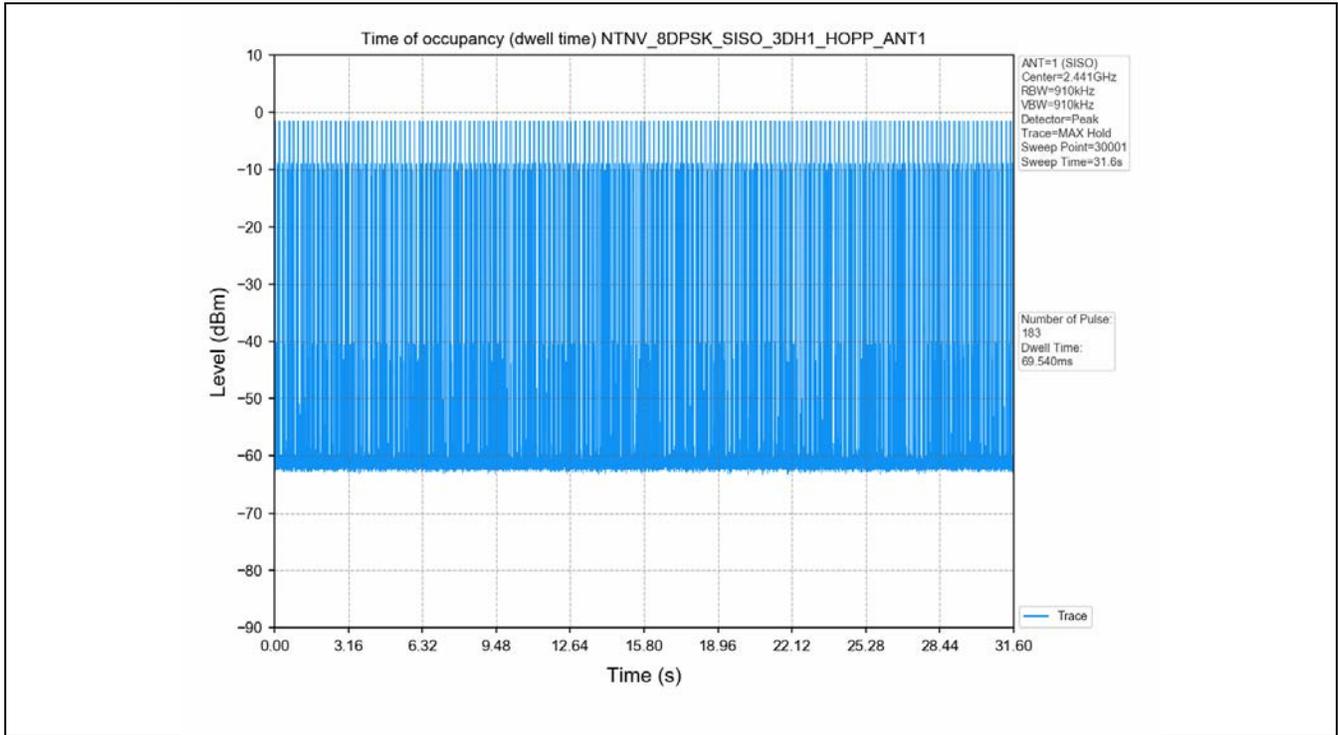


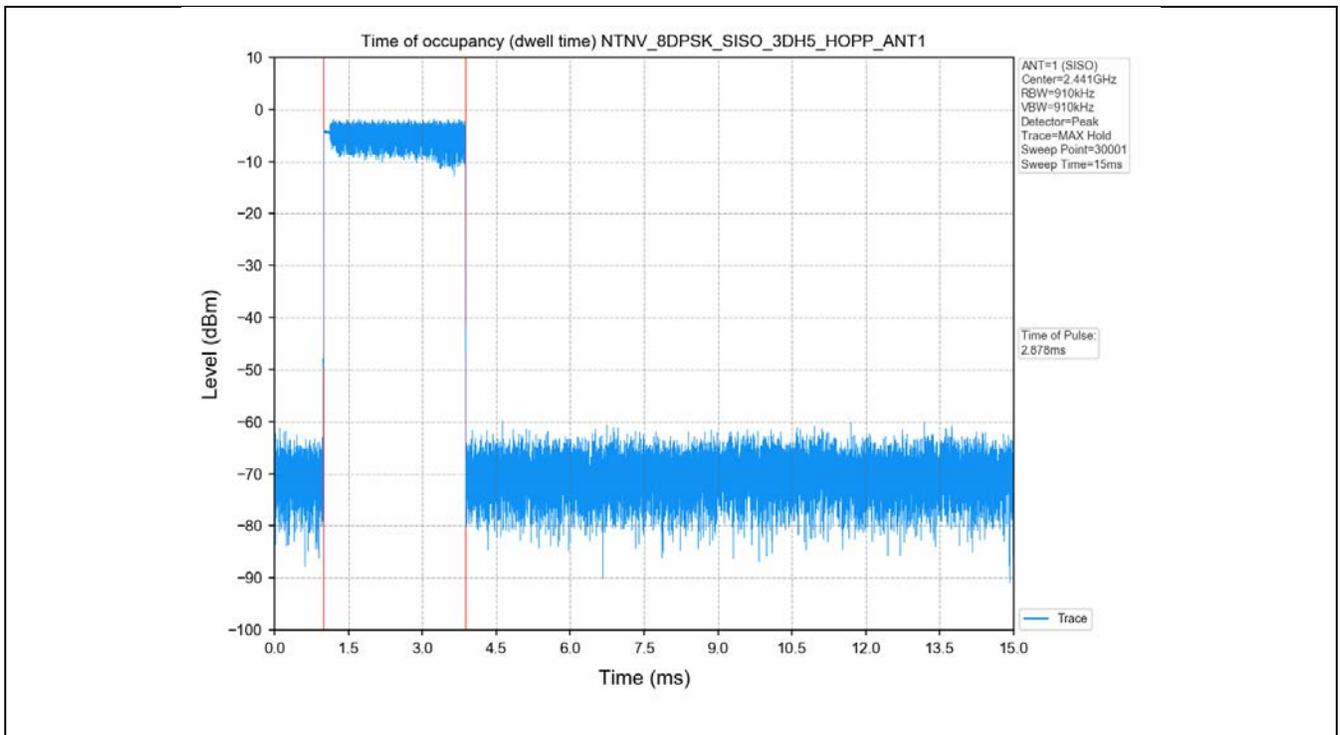
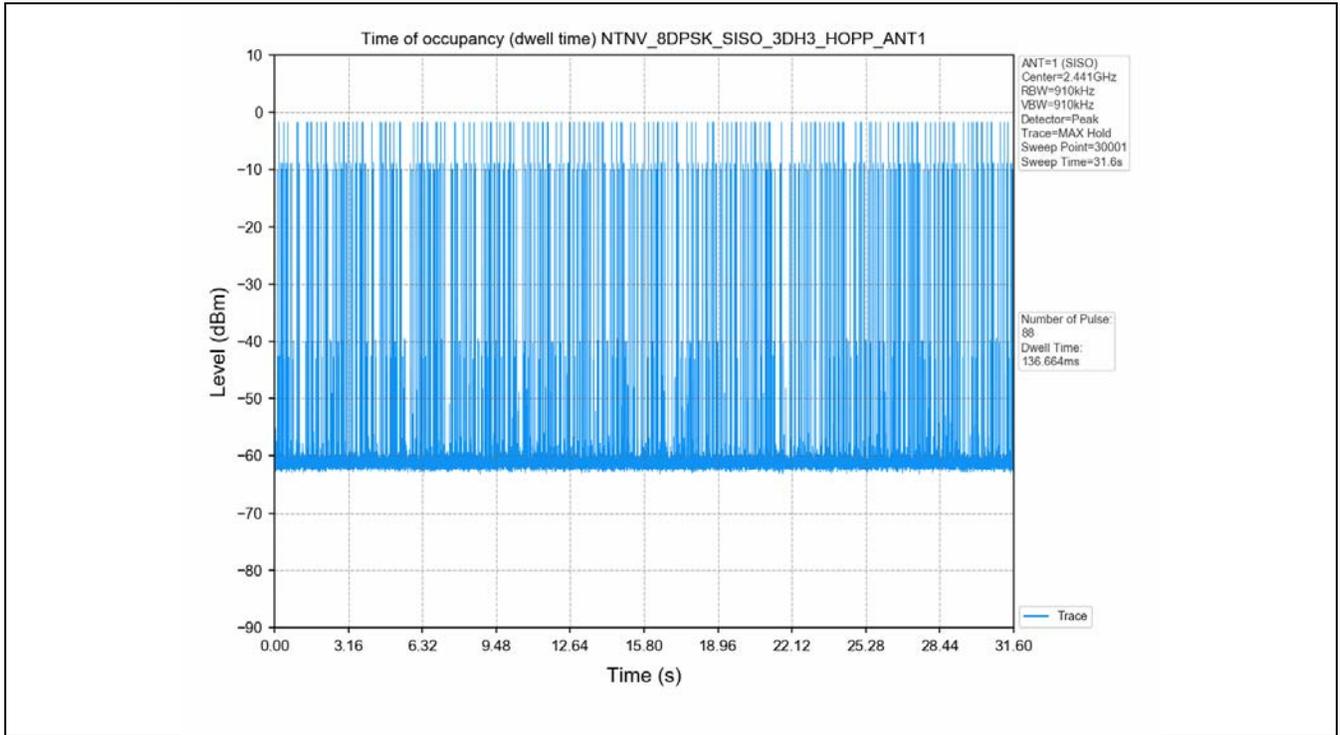


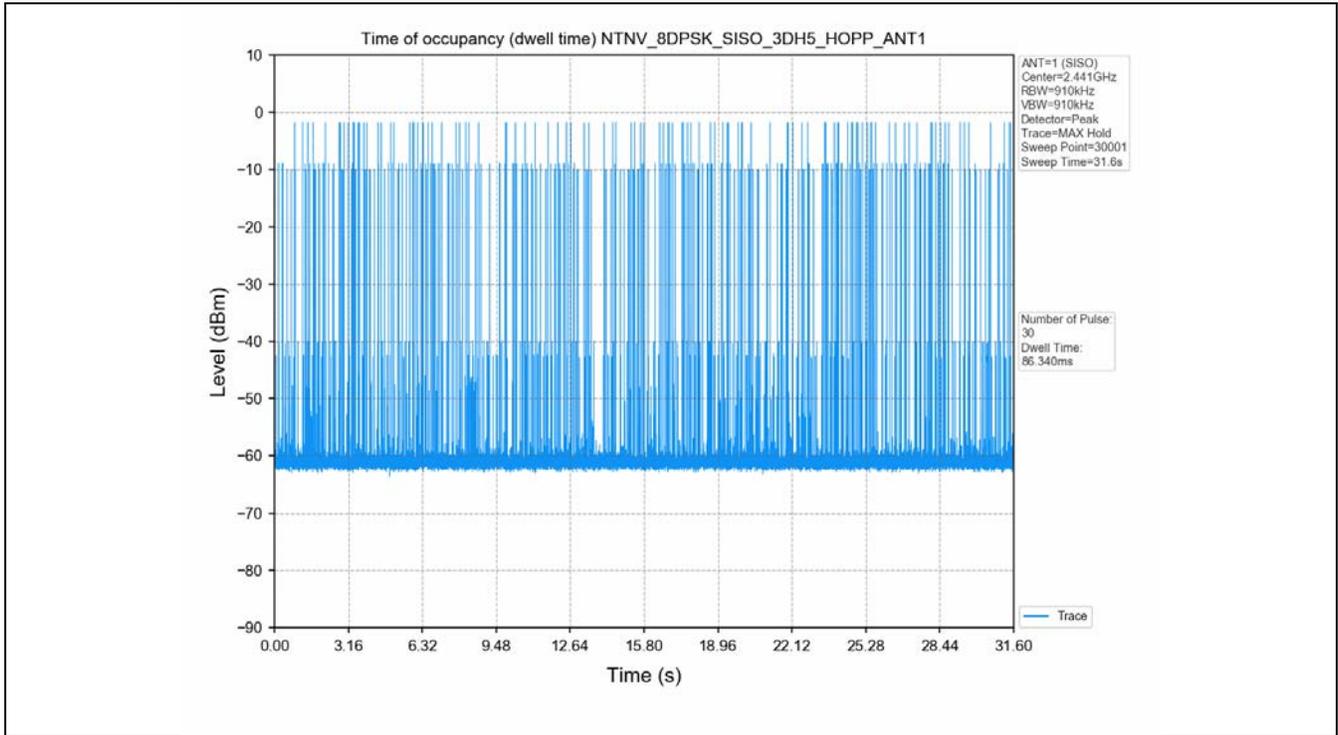












6. Unwanted Emissions in Non-restricted Frequency Bands

6.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBc)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-20	PASS
	2441	SISO	1	Refer to test graph	-20	PASS
	2480	SISO	1	Refer to test graph	-20	PASS
	Hopping	SISO	1	Refer to test graph	-20	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-20	PASS
	2441	SISO	1	Refer to test graph	-20	PASS
	2480	SISO	1	Refer to test graph	-20	PASS
	Hopping	SISO	1	Refer to test graph	-20	PASS
8DPSK	2402	SISO	1	Refer to test graph	-20	PASS
	2441	SISO	1	Refer to test graph	-20	PASS
	2480	SISO	1	Refer to test graph	-20	PASS
	Hopping	SISO	1	Refer to test graph	-20	PASS

6.2 Test Graph

