

Appendix A for SHEM210300243501CR-BT-L

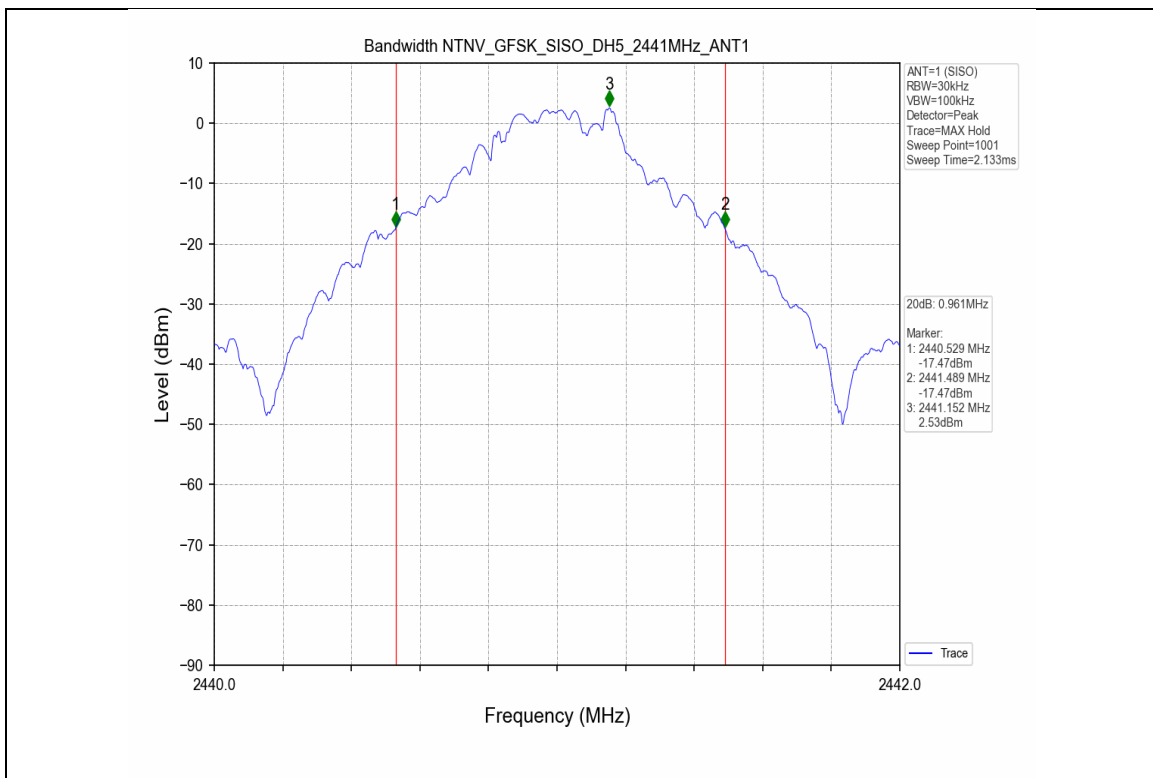
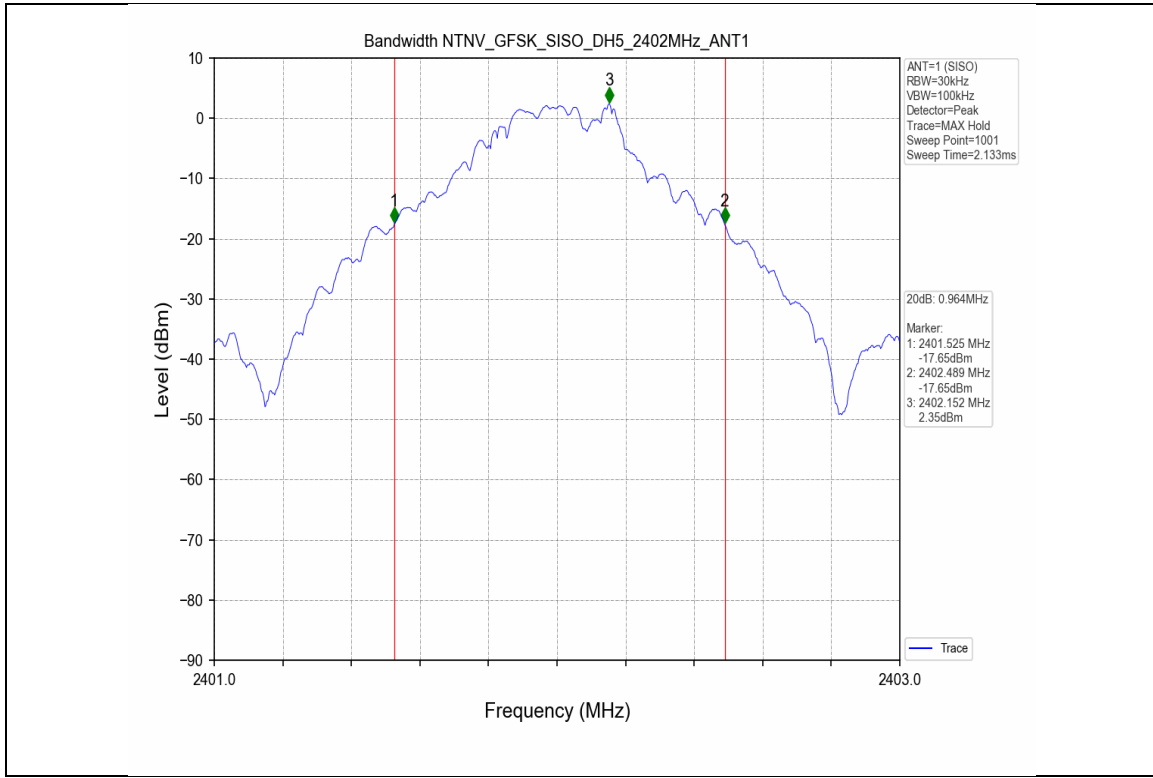
1. Bandwidth

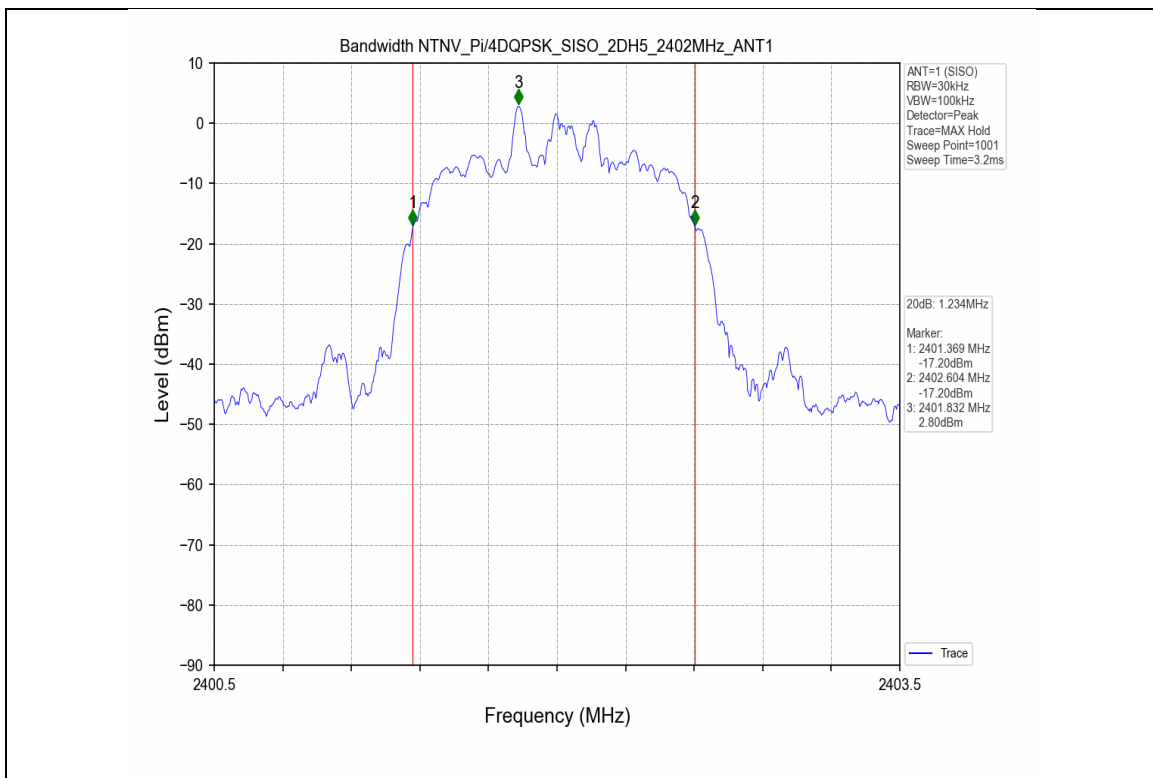
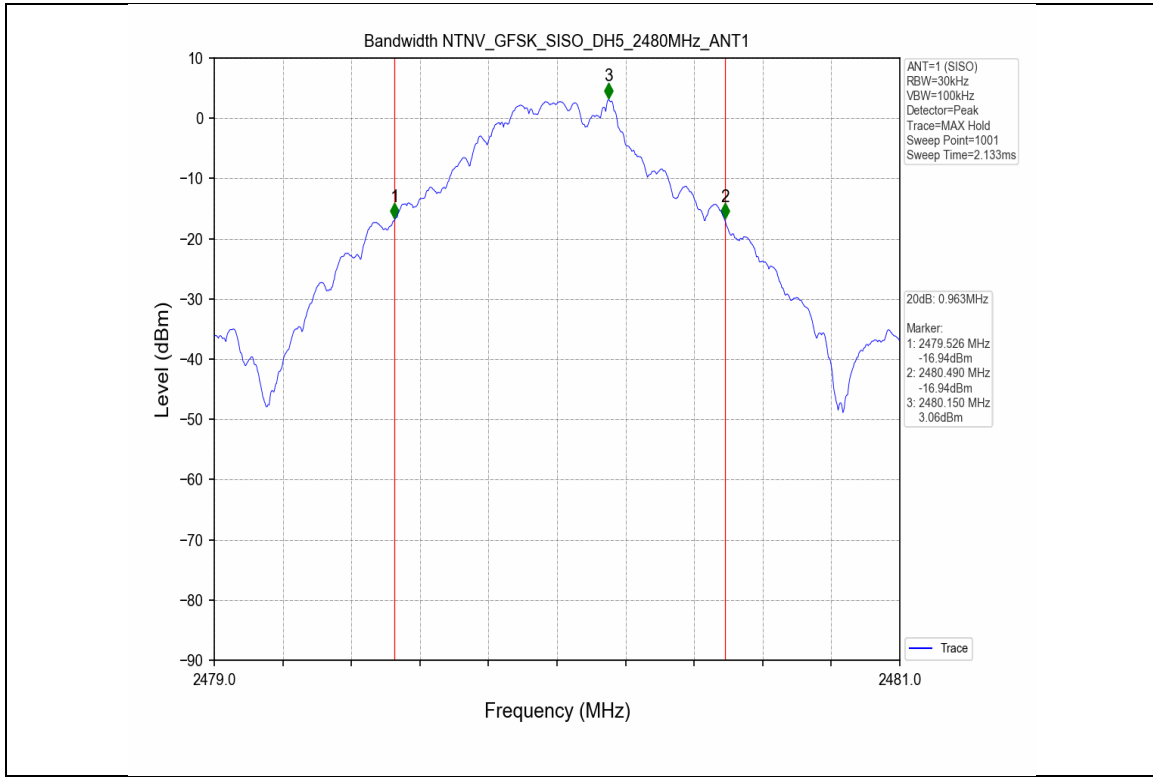
1.1 Test Result

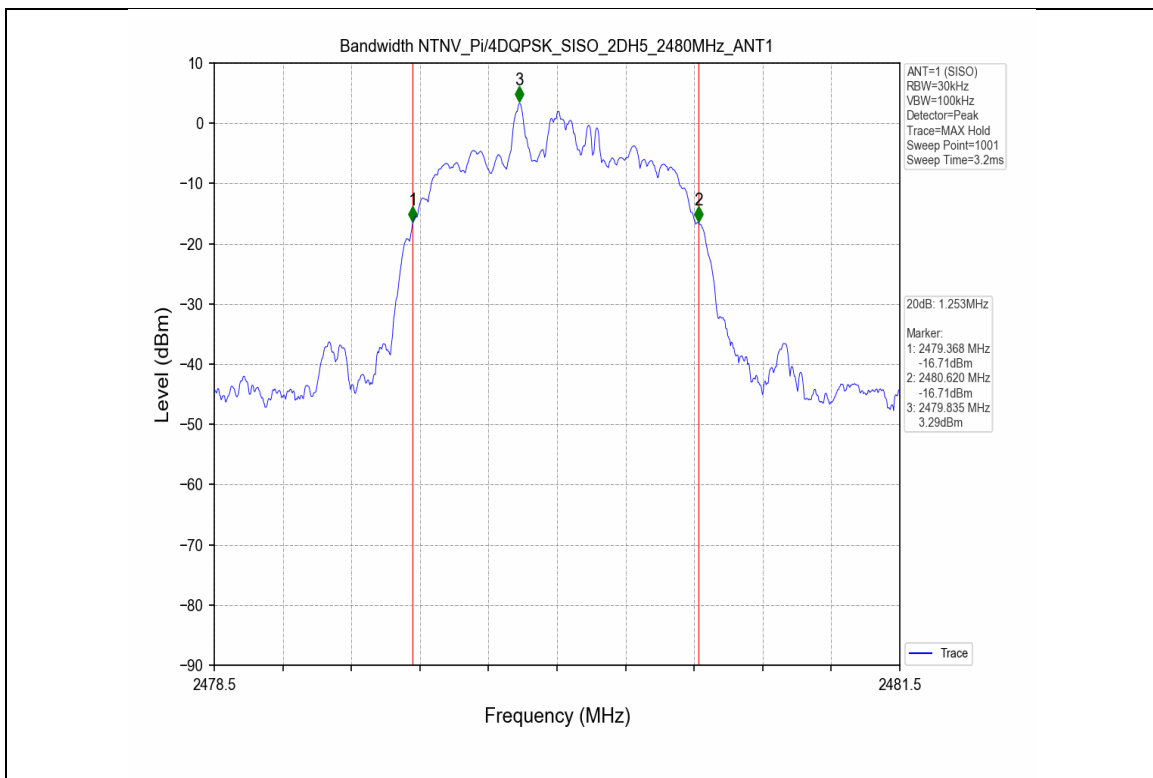
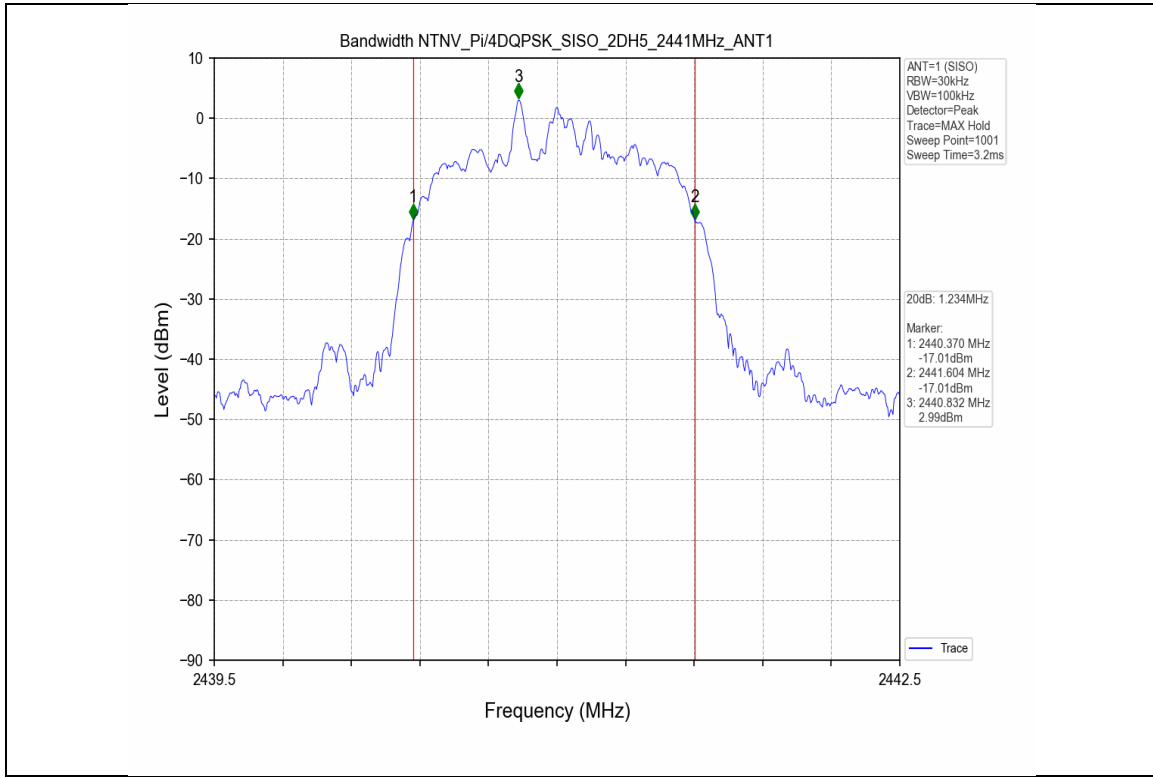
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.964	PASS
	2441	SISO	1	0.961	PASS
	2480	SISO	1	0.963	PASS
Pi/4DQPSK	2402	SISO	1	1.234	PASS
	2441	SISO	1	1.234	PASS
	2480	SISO	1	1.253	PASS
8DPSK	2402	SISO	1	1.277	PASS
	2441	SISO	1	1.280	PASS
	2480	SISO	1	1.277	PASS

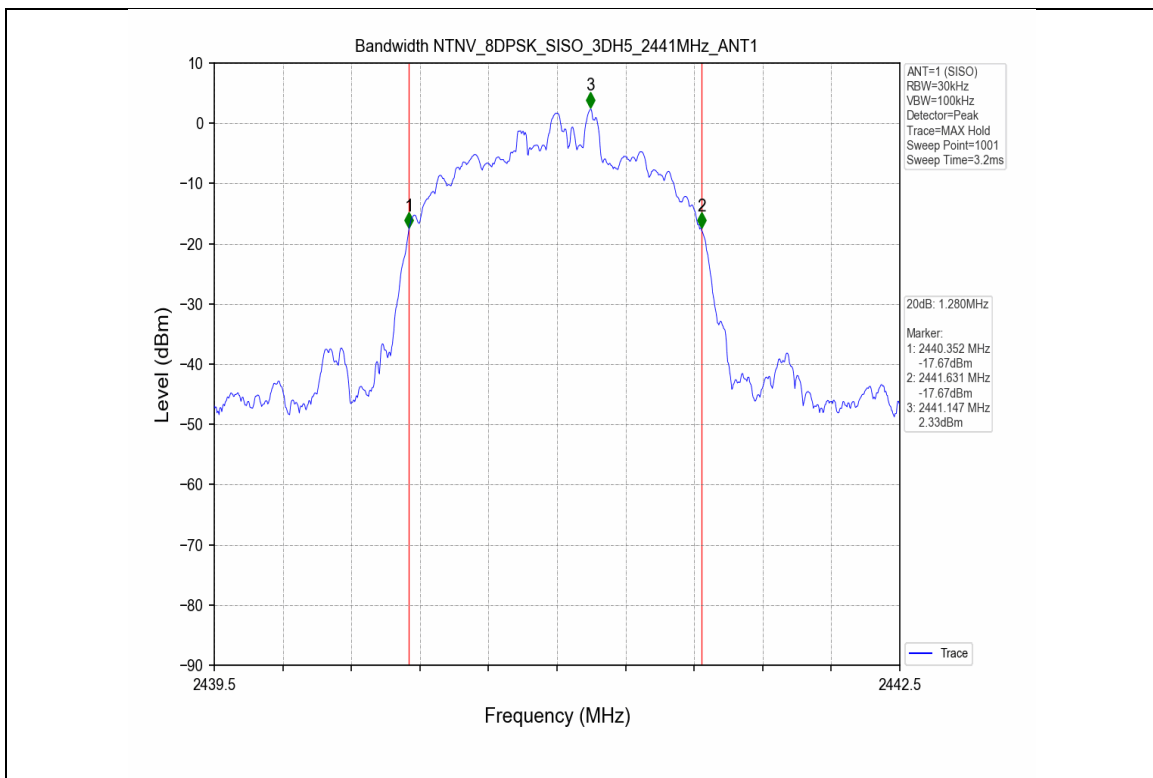
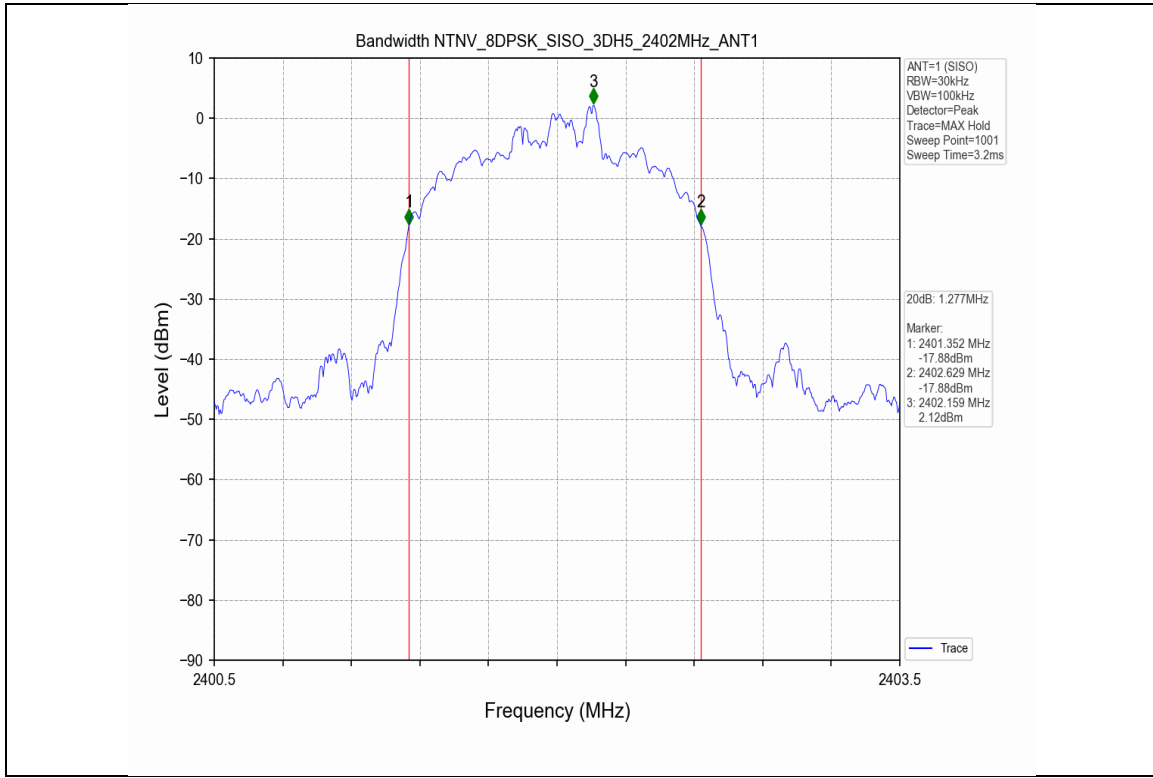
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.885	Only for Report Use
	2441	SISO	1	0.883	Only for Report Use
	2480	SISO	1	0.884	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.154	Only for Report Use
	2441	SISO	1	1.156	Only for Report Use
	2480	SISO	1	1.156	Only for Report Use
8DPSK	2402	SISO	1	1.165	Only for Report Use
	2441	SISO	1	1.165	Only for Report Use
	2480	SISO	1	1.161	Only for Report Use

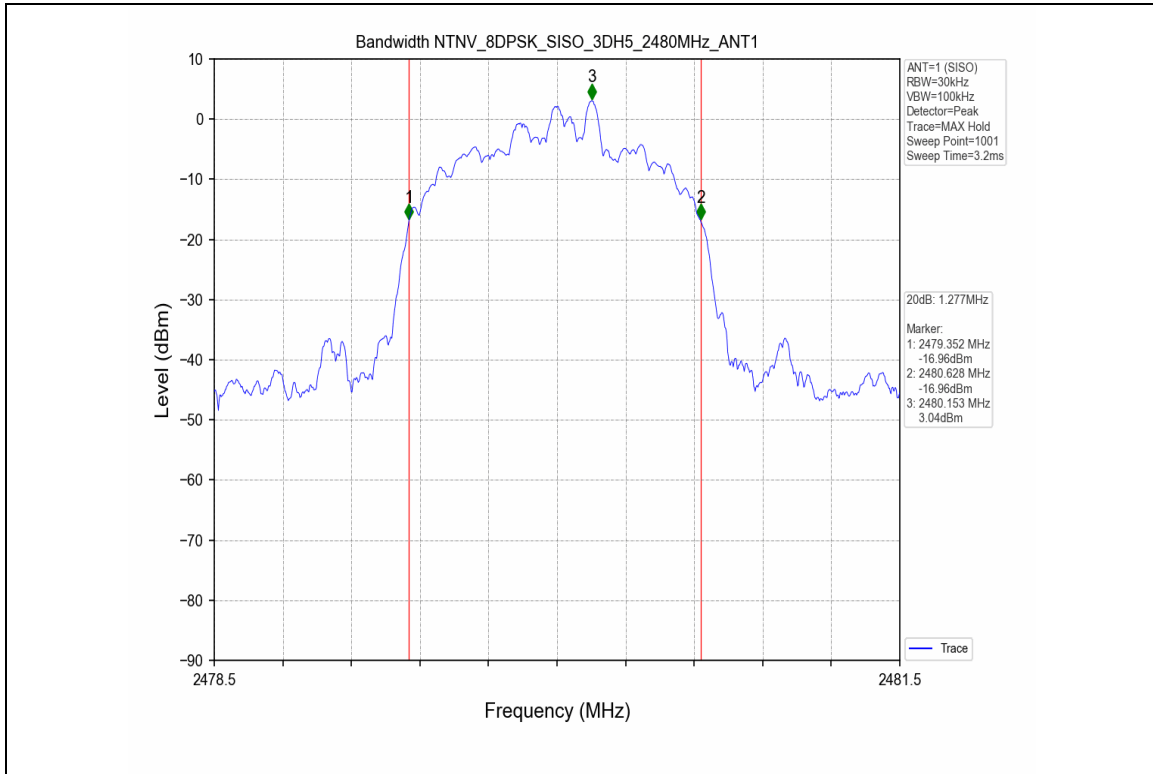
1.2 Test Graph - 20dB Bandwidth



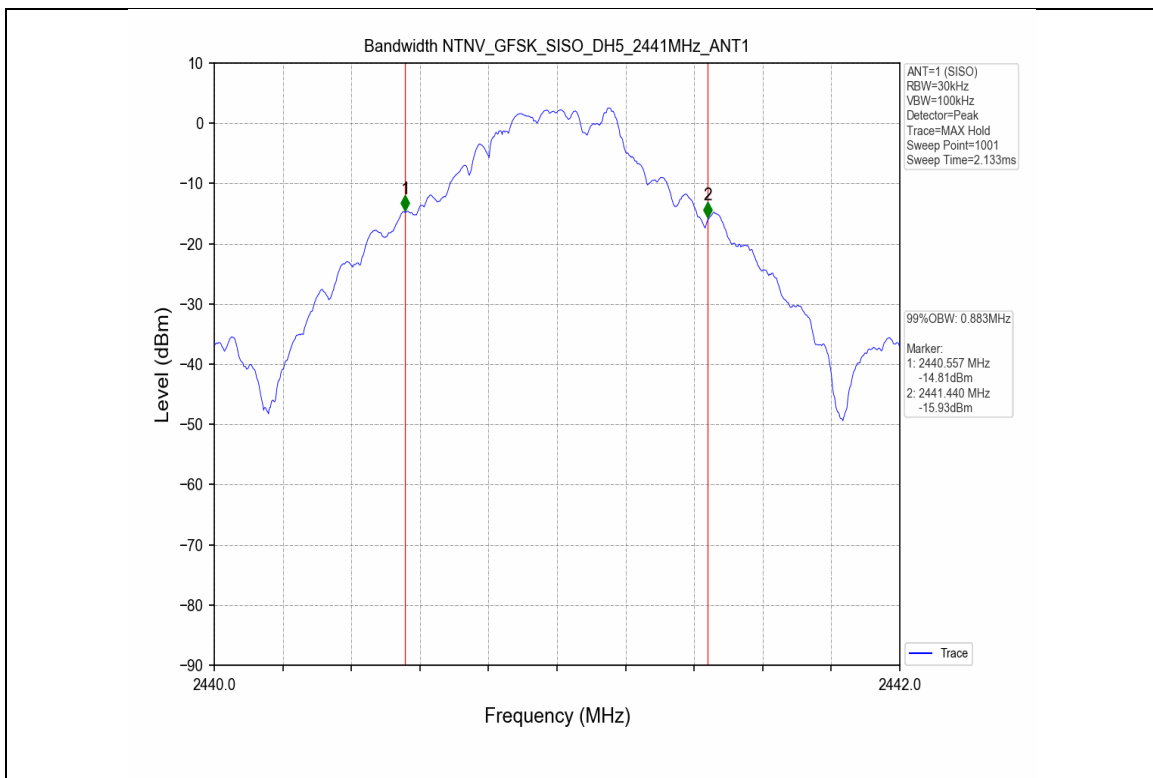
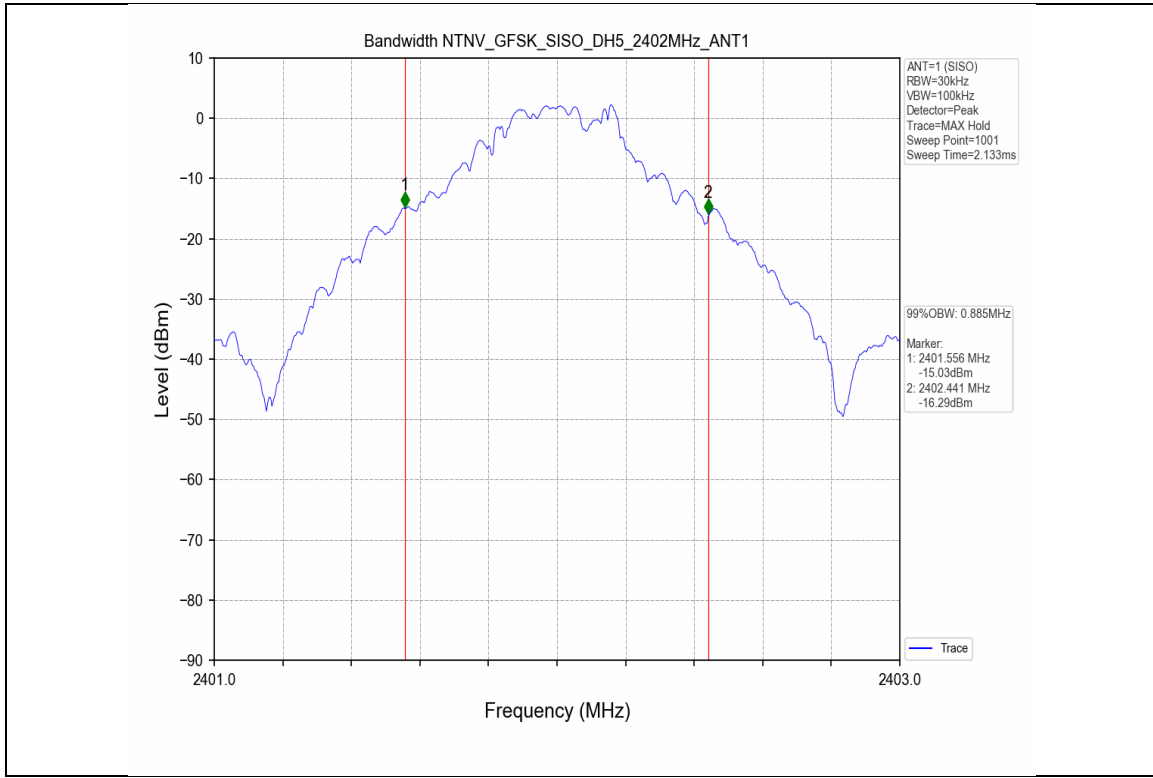


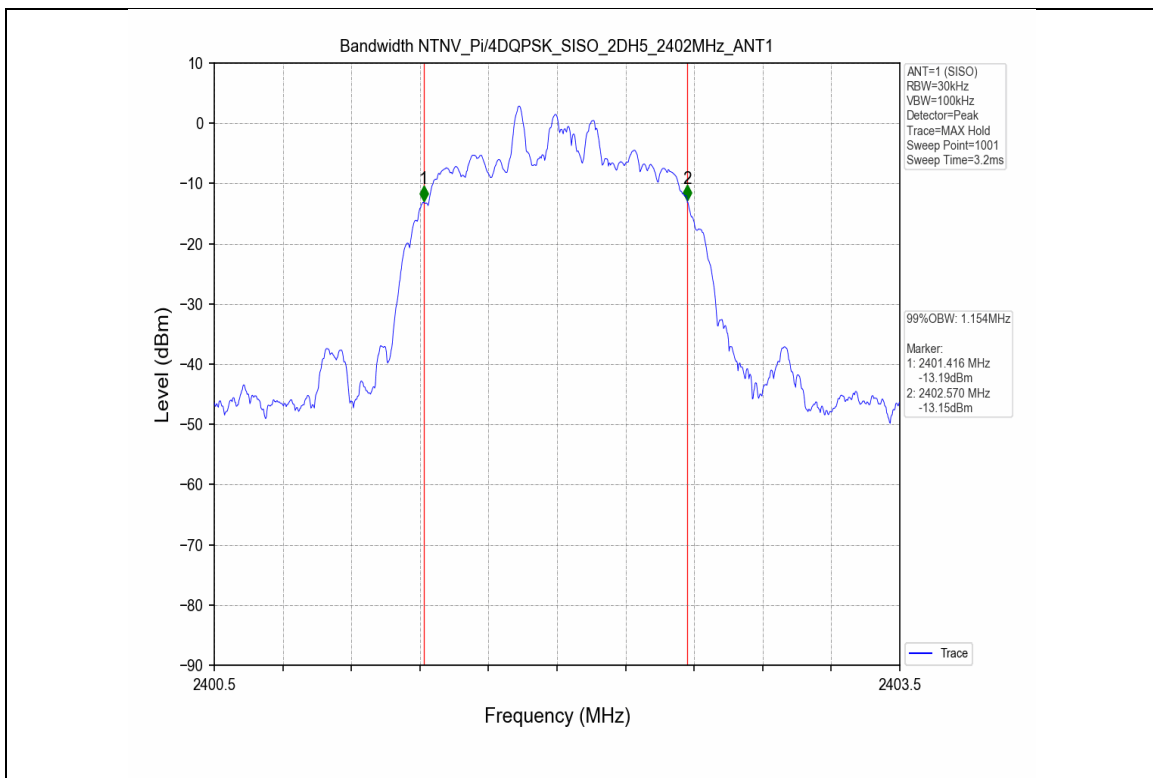
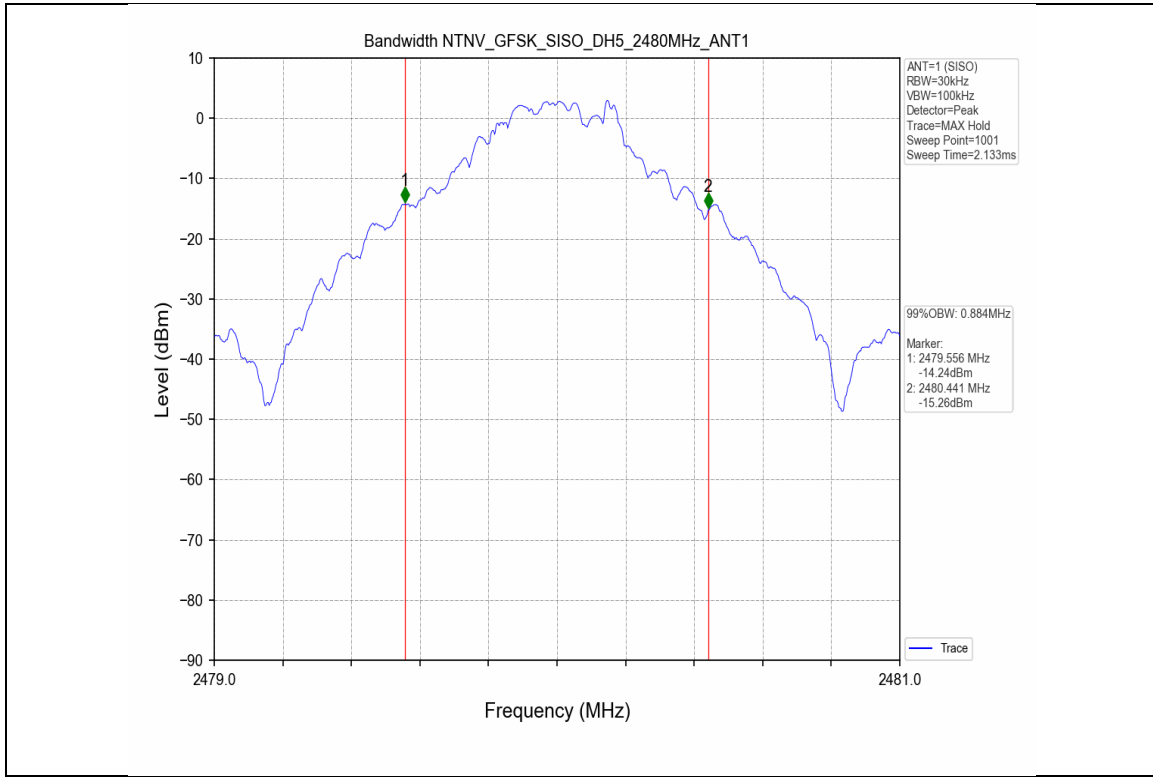


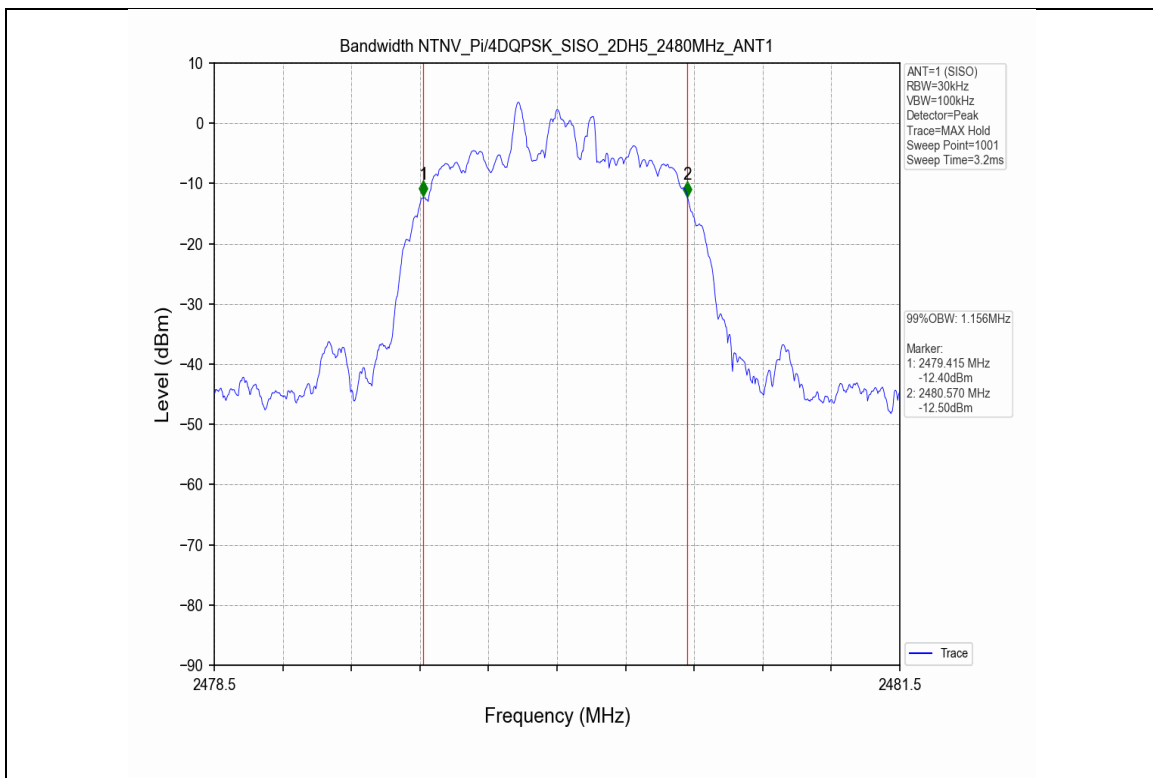
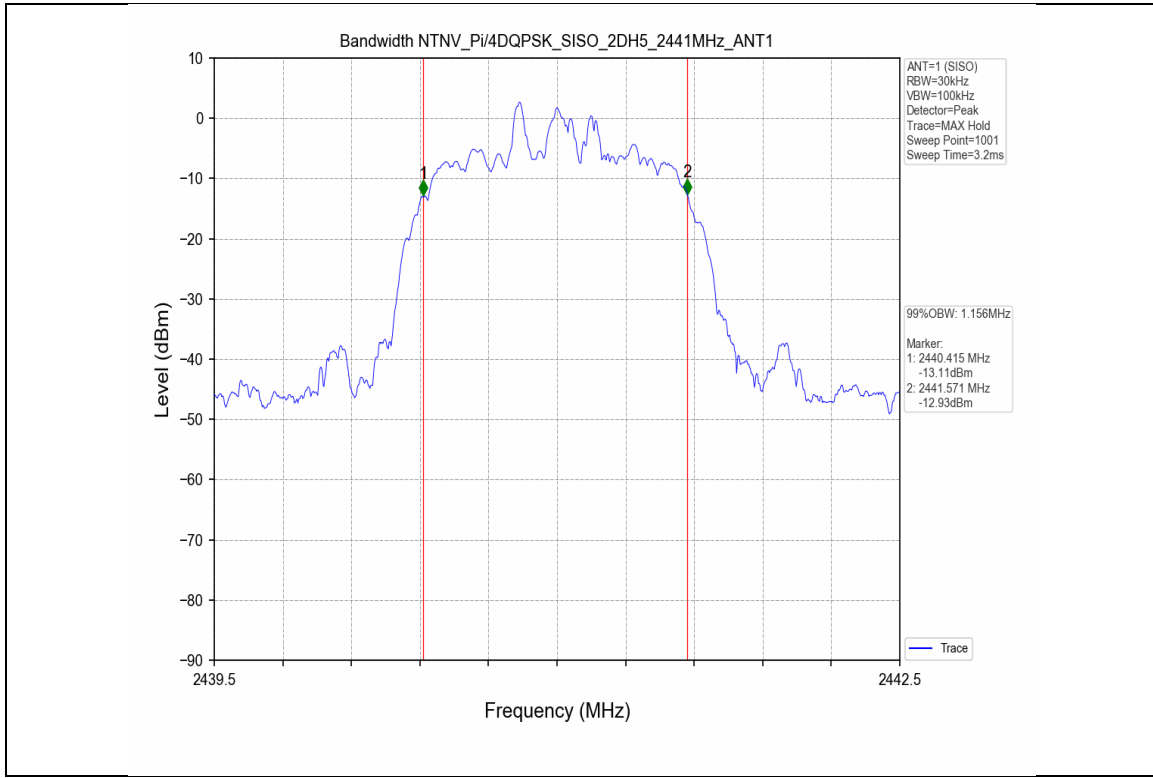


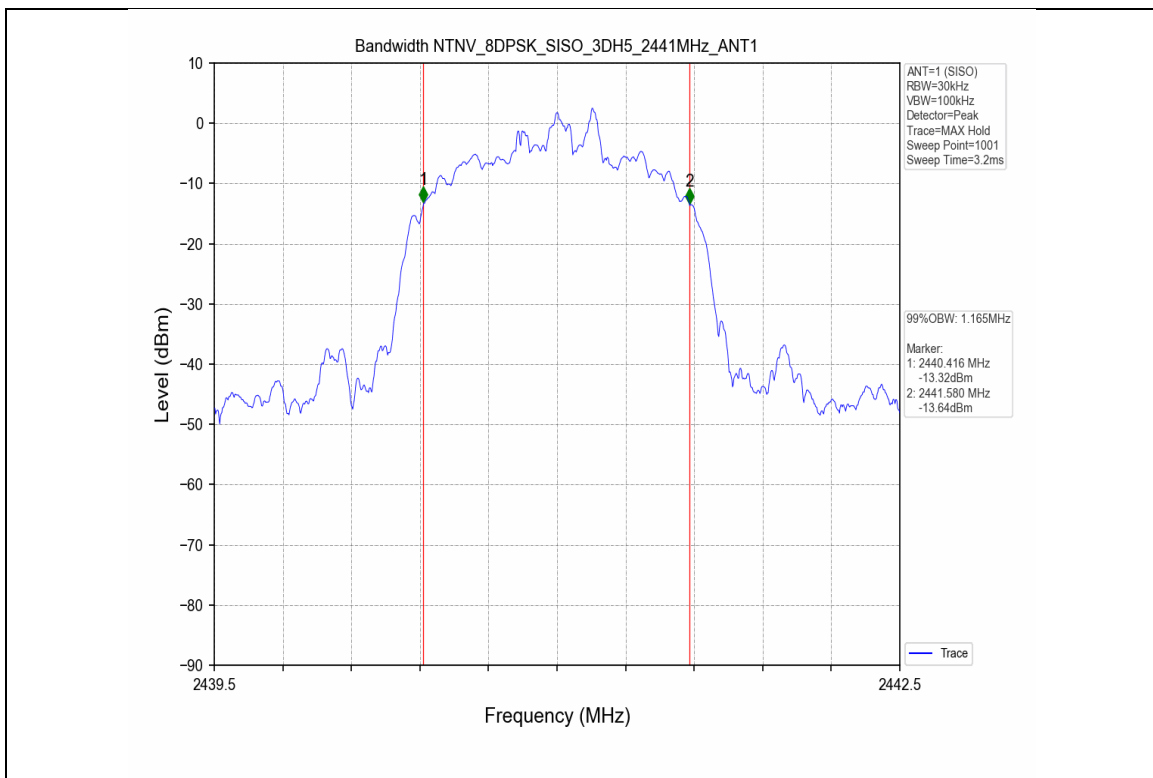
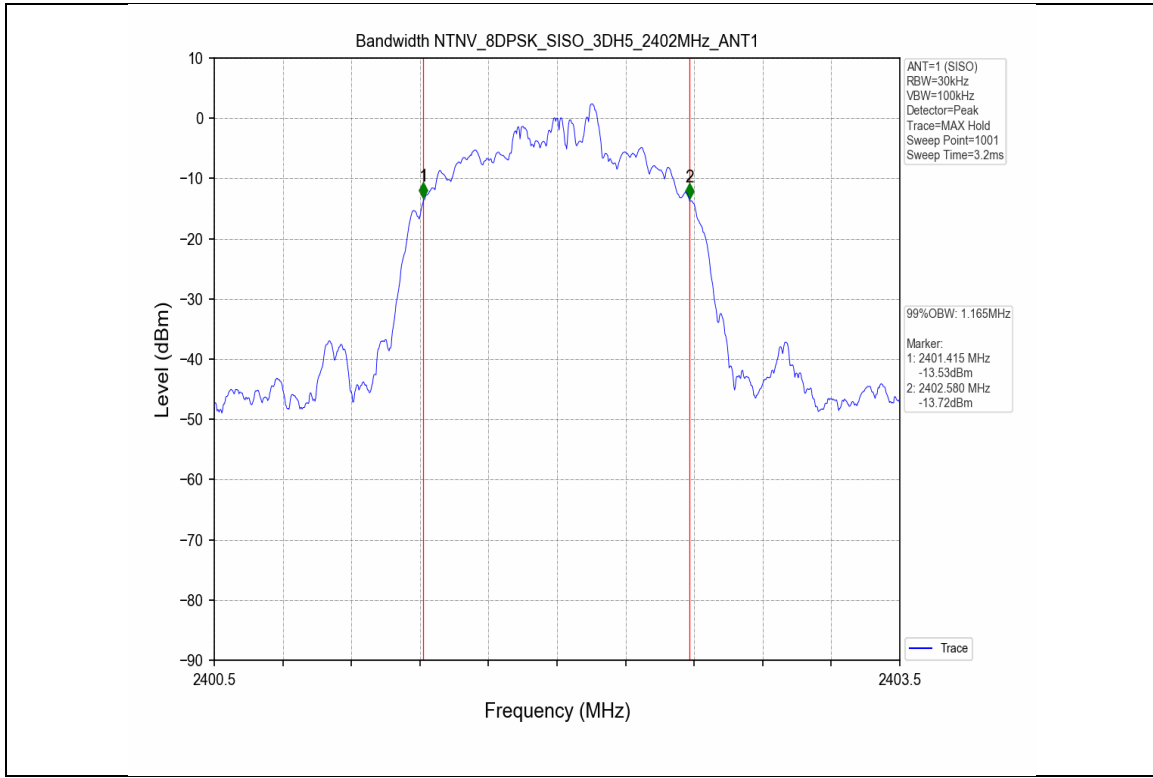


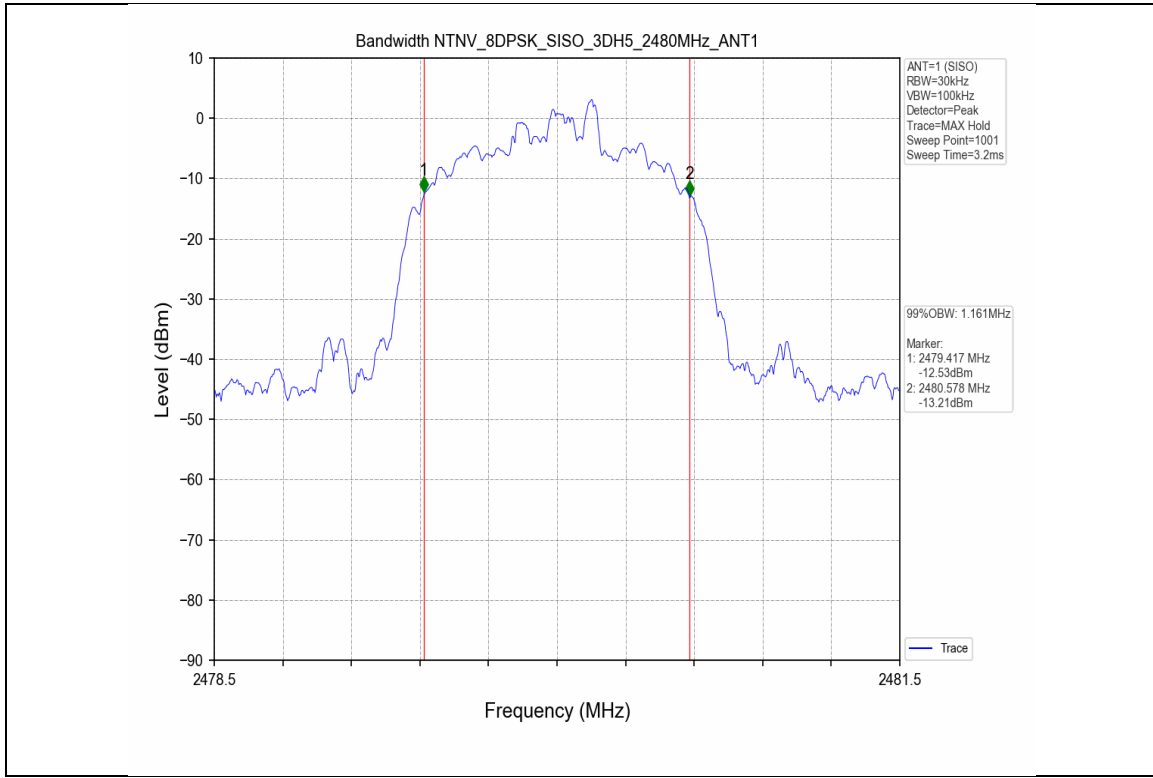
1.3 Test Graph - 99% Occupied Bandwidth









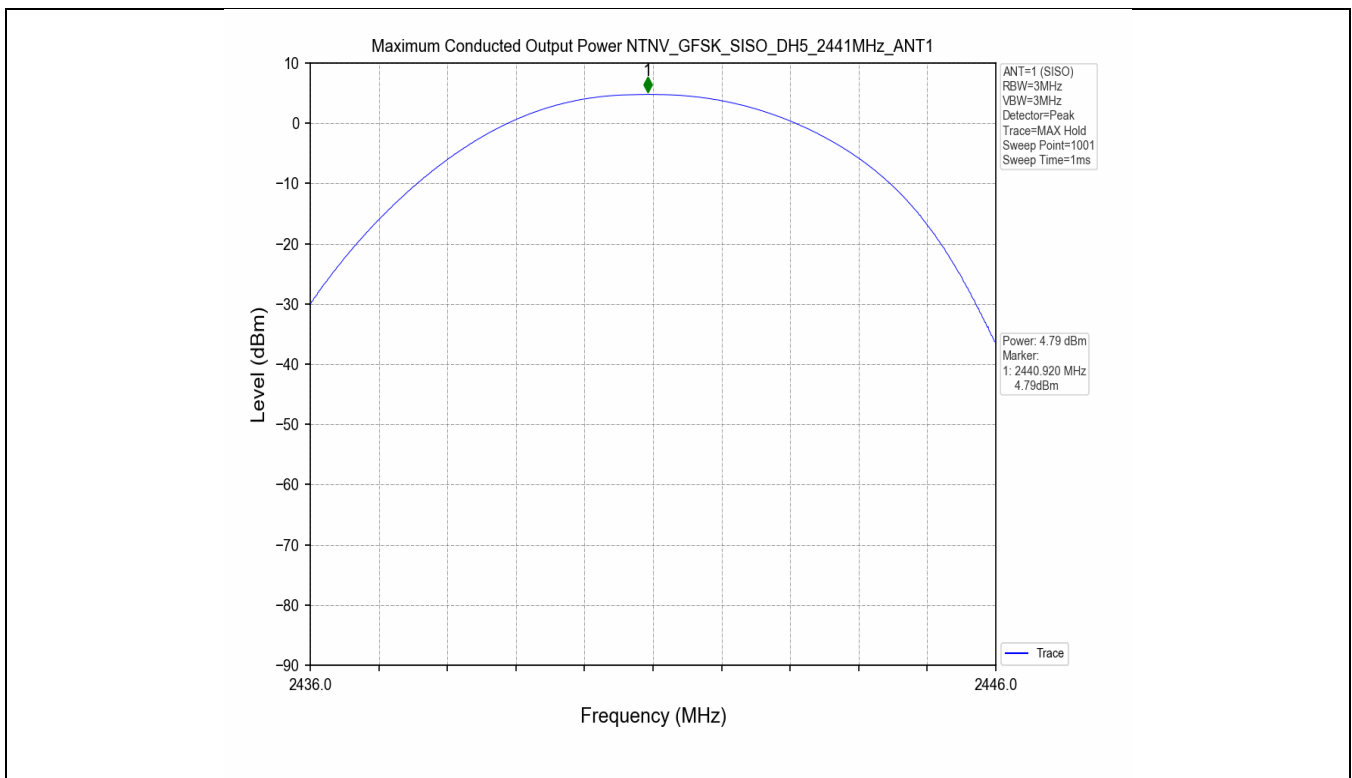
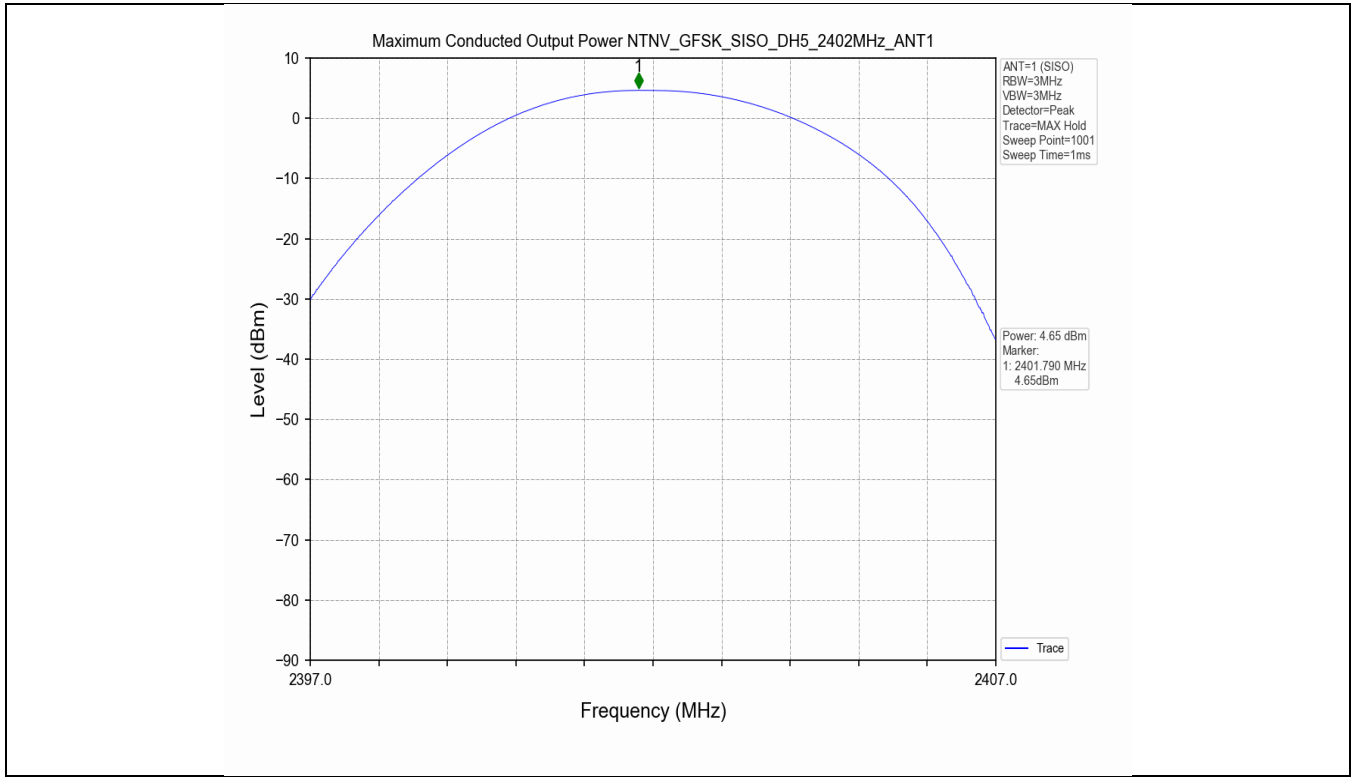


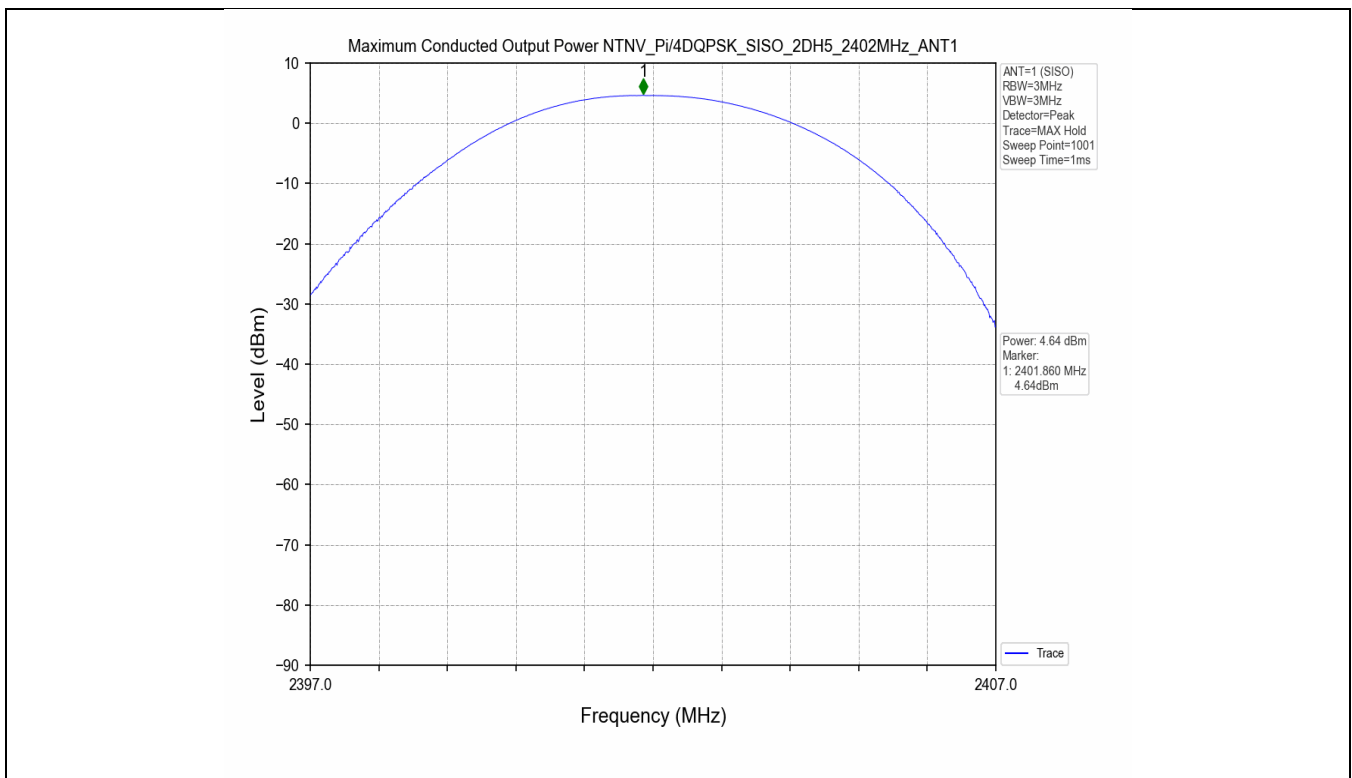
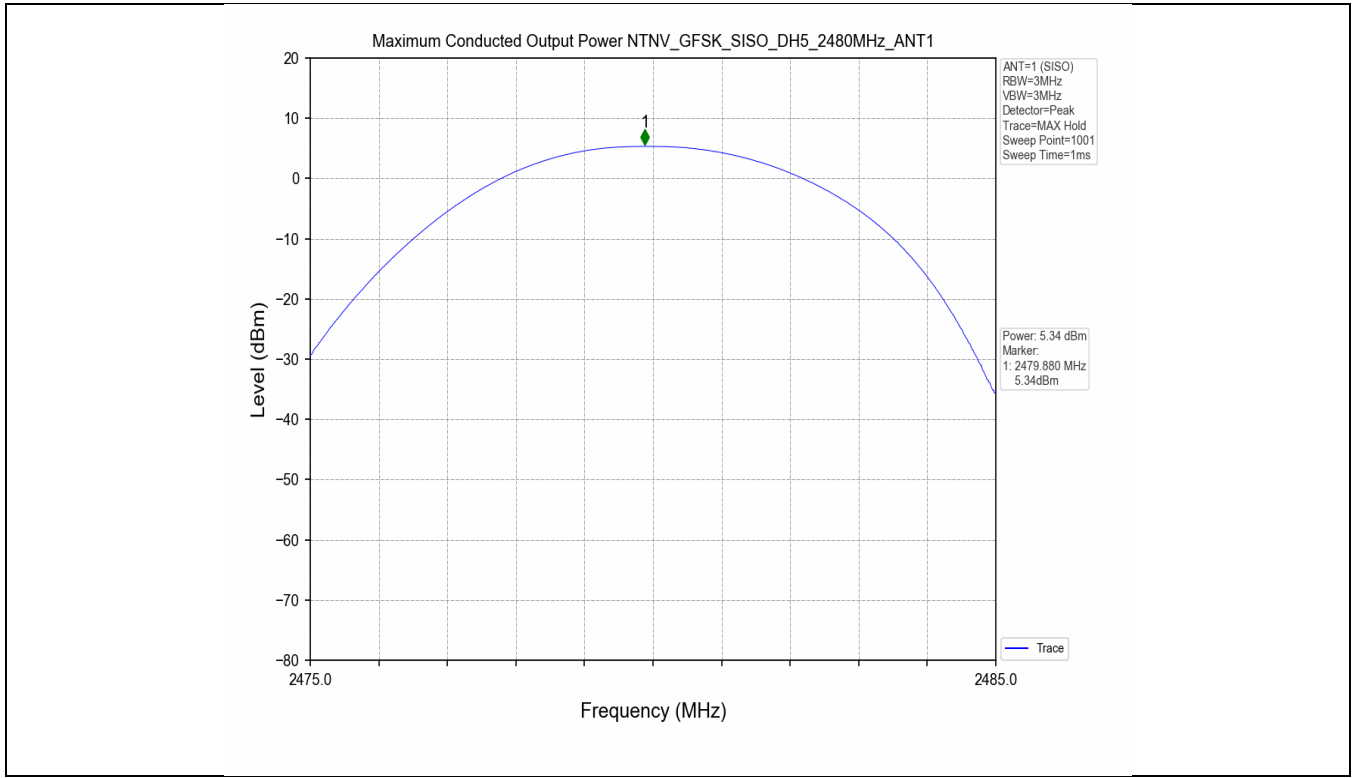
2. Maximum Conducted Output Power

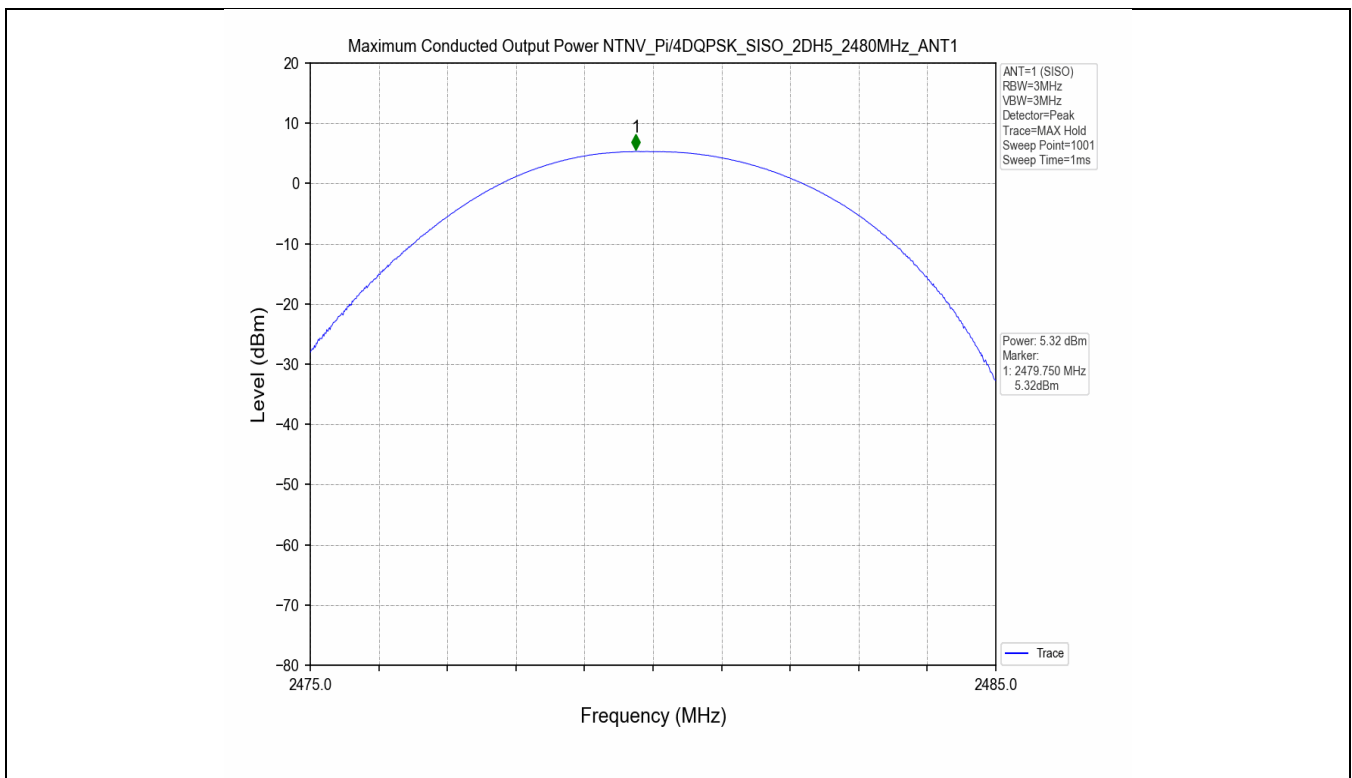
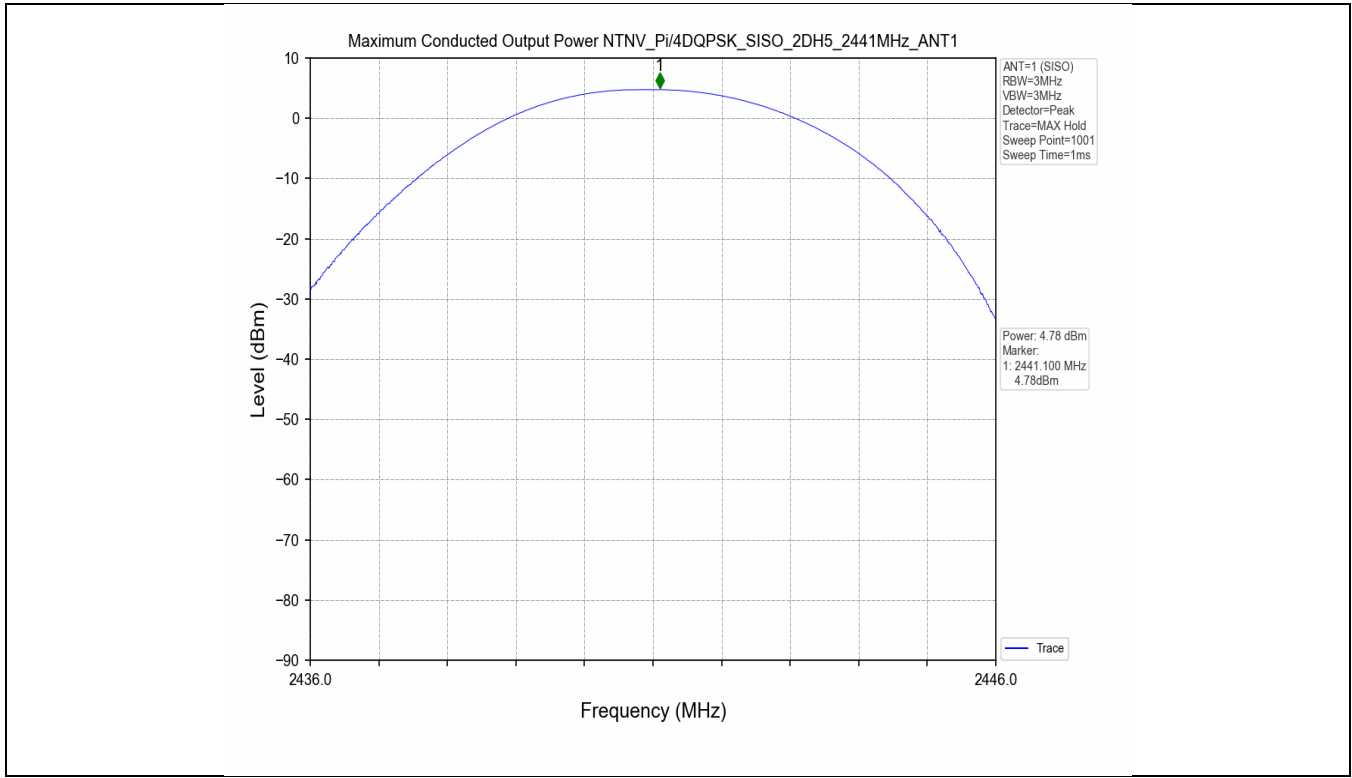
2.1 Test Result

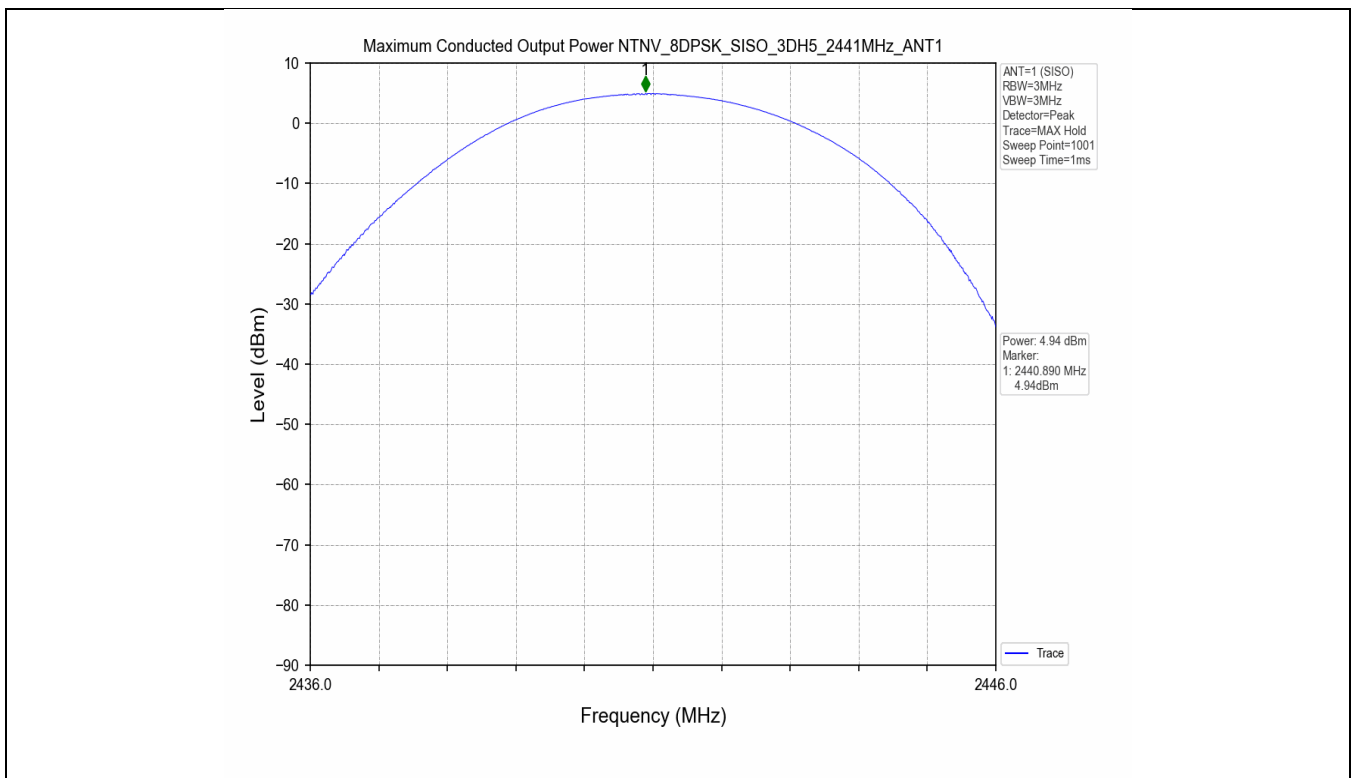
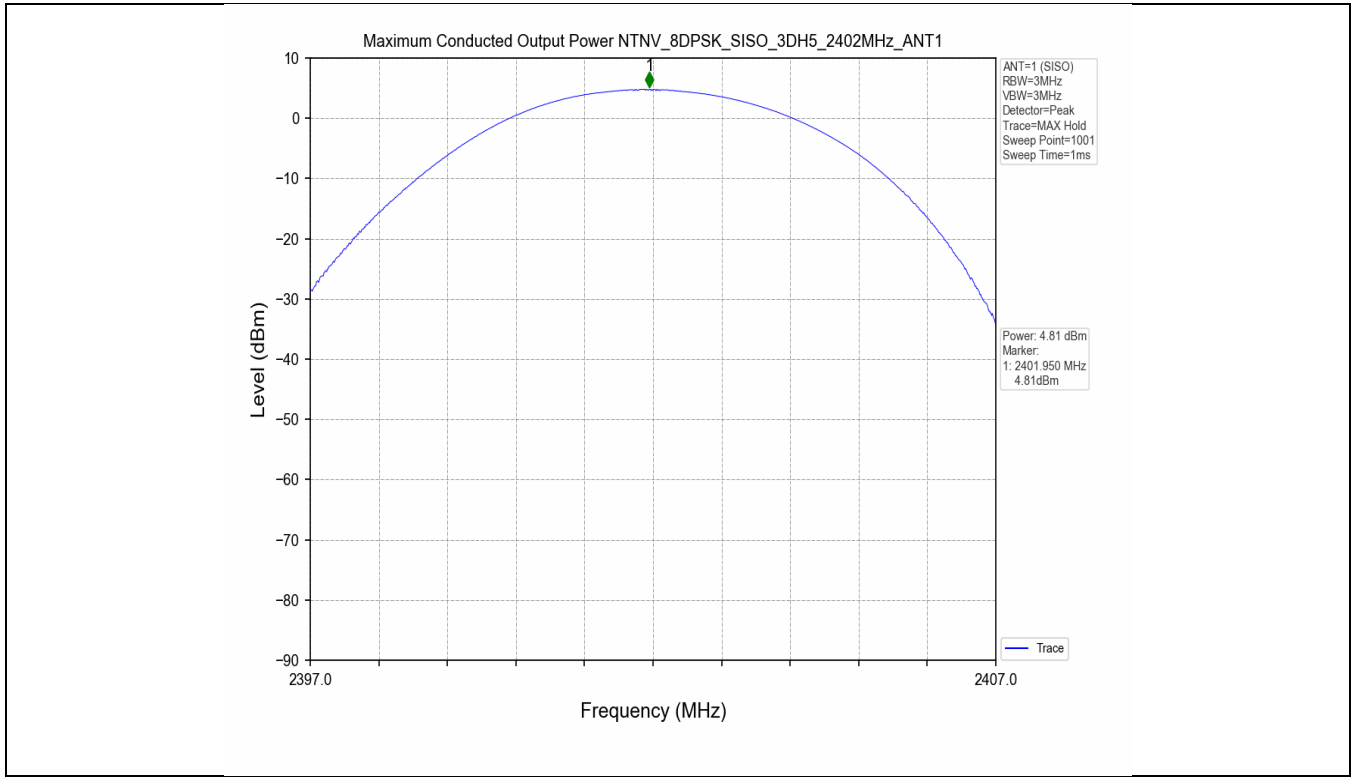
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	4.65	30	PASS
	2441	SISO	4.79	30	PASS
	2480	SISO	5.34	30	PASS
Pi/4DQPSK	2402	SISO	4.64	20.97	PASS
	2441	SISO	4.78	20.97	PASS
	2480	SISO	5.32	20.97	PASS
8DPSK	2402	SISO	4.81	20.97	PASS
	2441	SISO	4.94	20.97	PASS
	2480	SISO	5.49	20.97	PASS

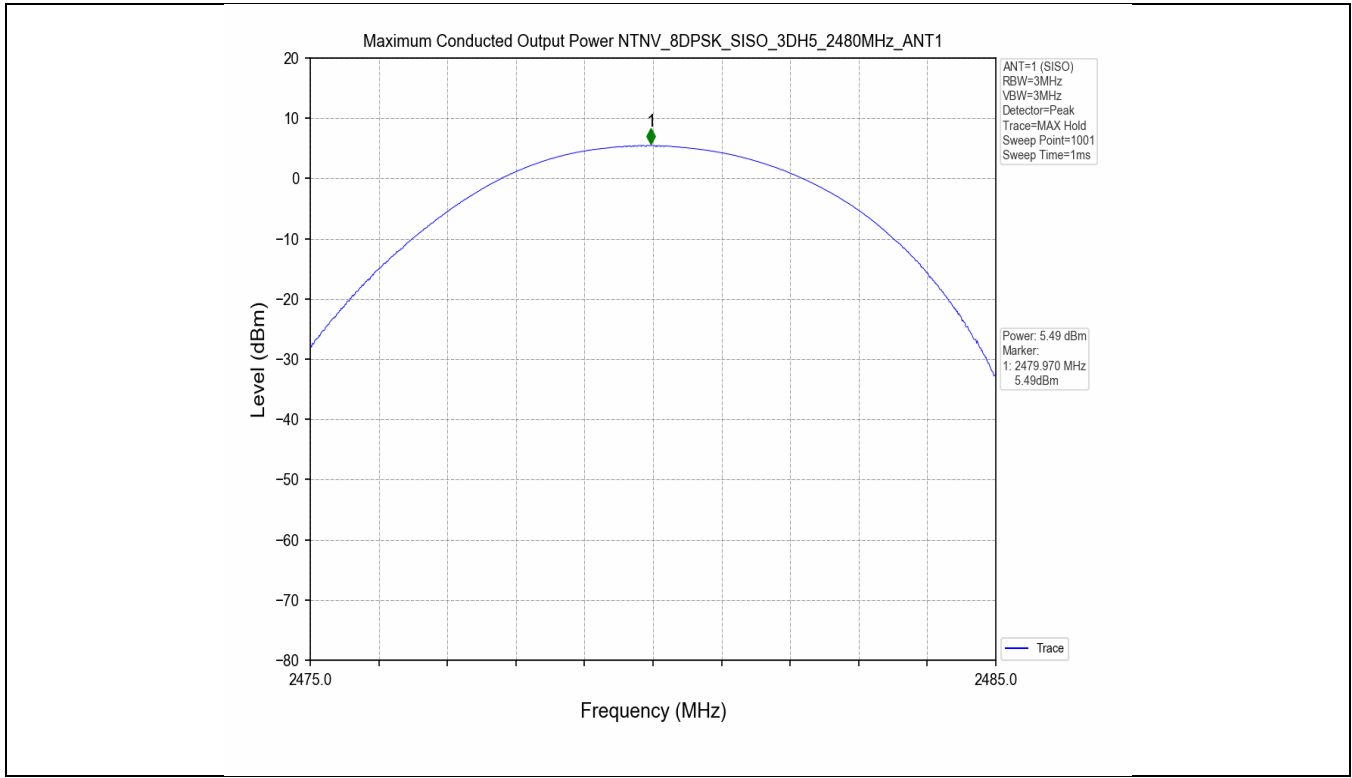
2.2 Test Graph









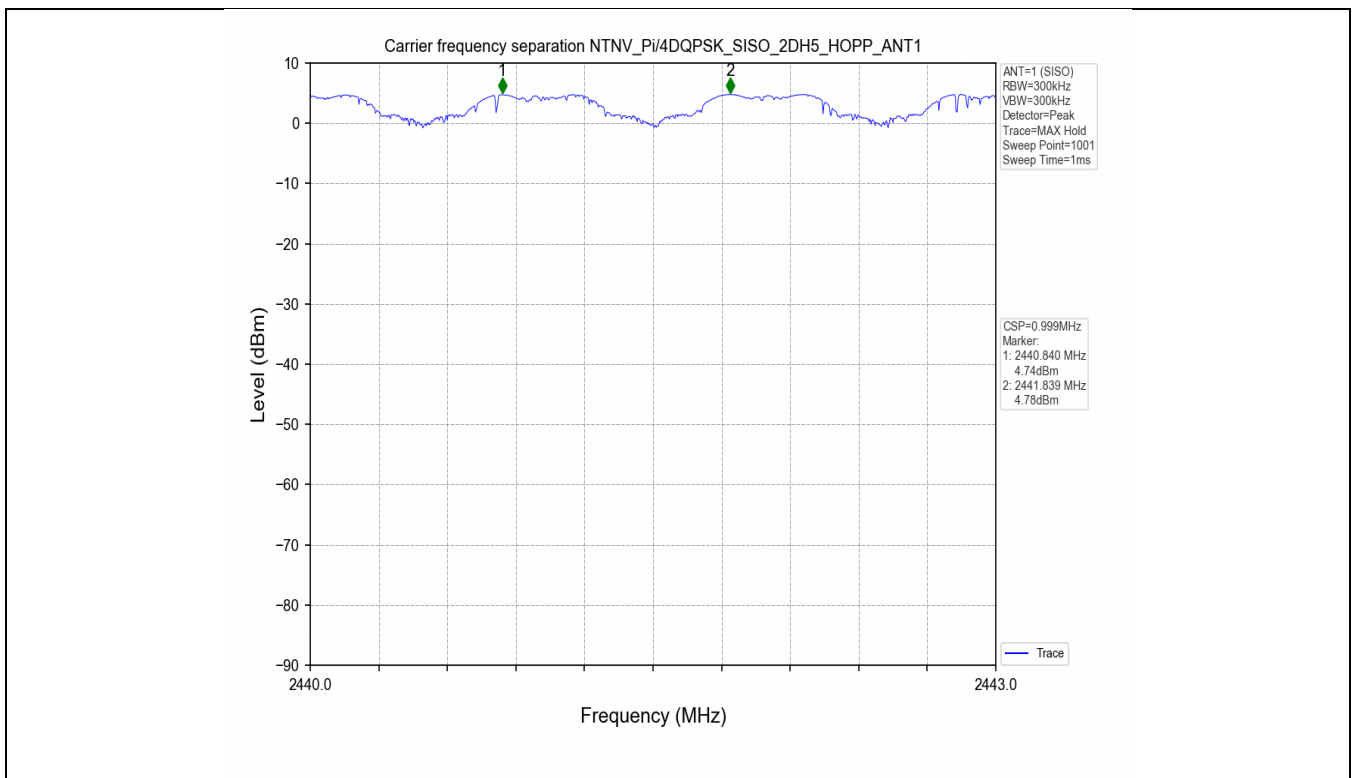
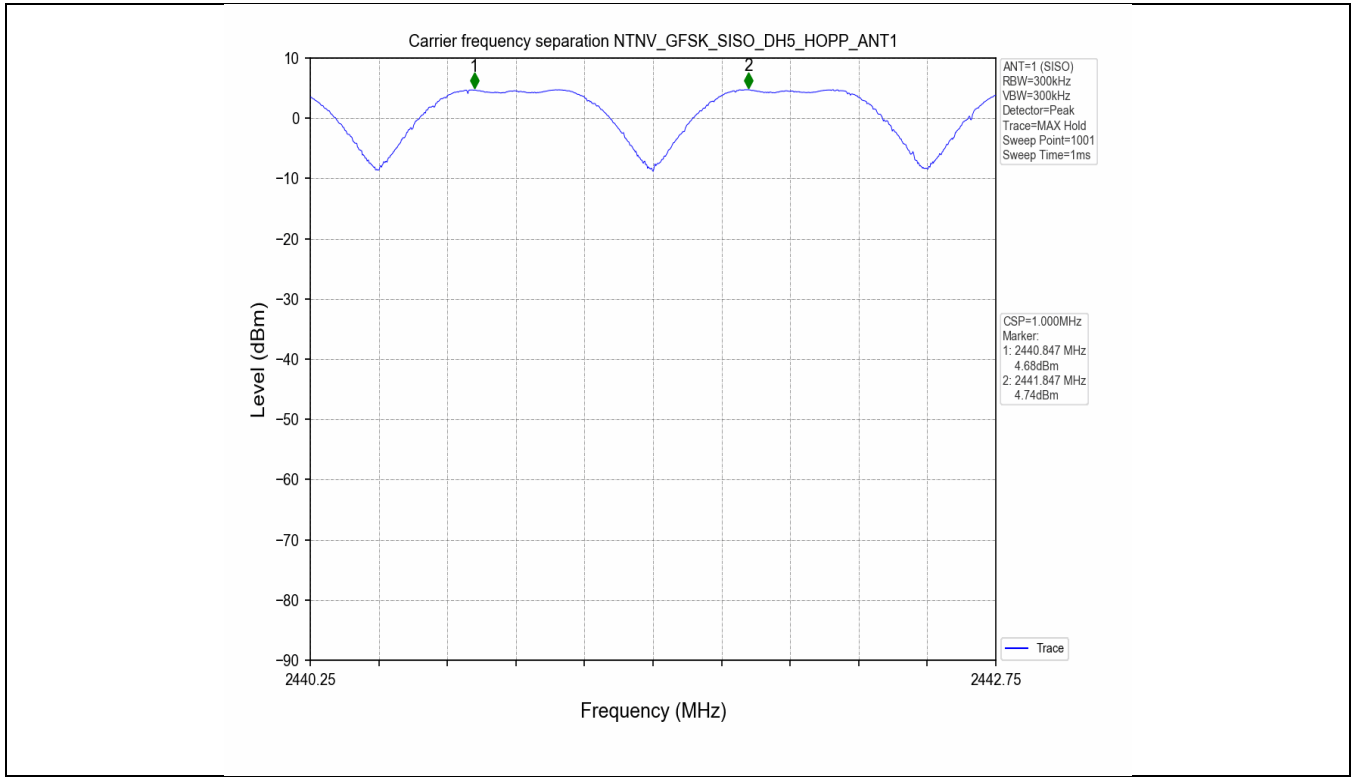


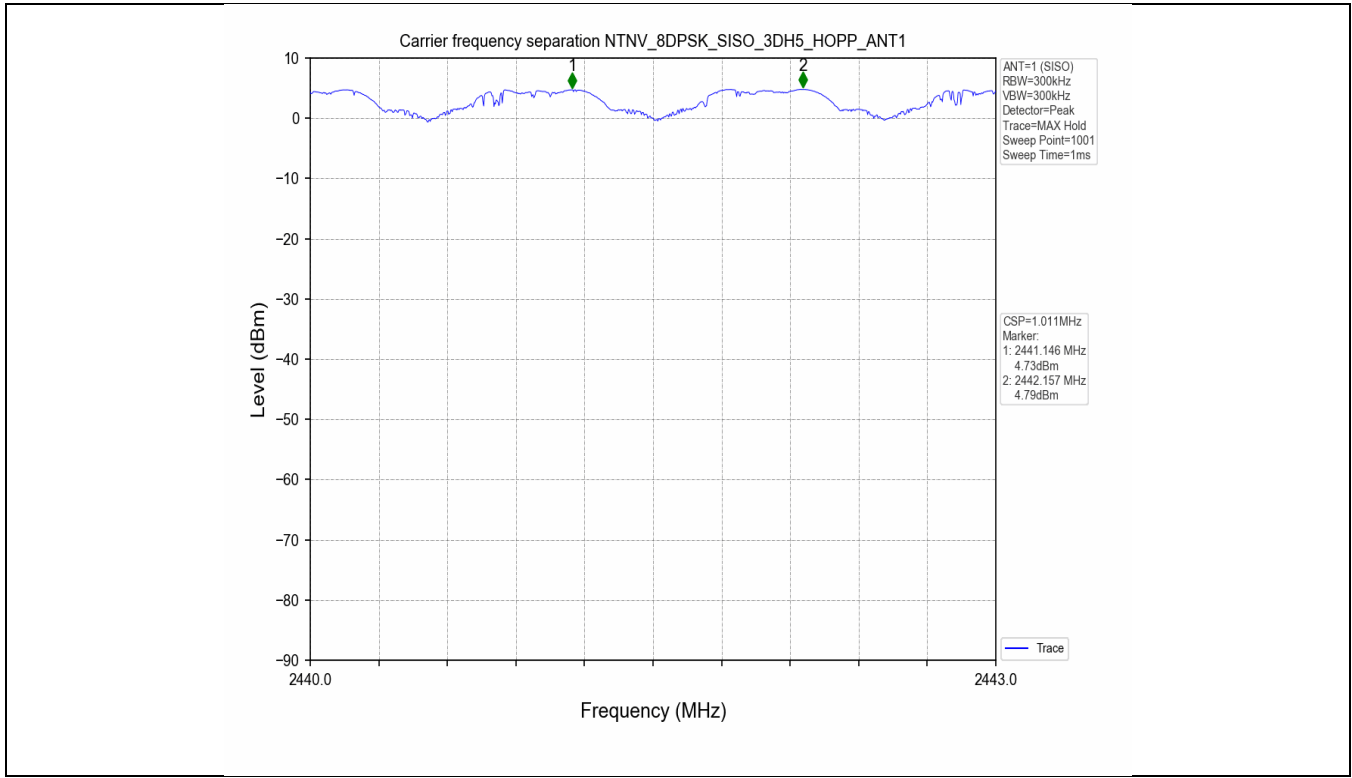
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	0.964	≥0.964	PASS
π/4DQPSK	SISO	1	0.999	1.253	≥0.835	PASS
8DPSK	SISO	1	1.011	1.280	≥0.853	PASS

3.2 Test Graph



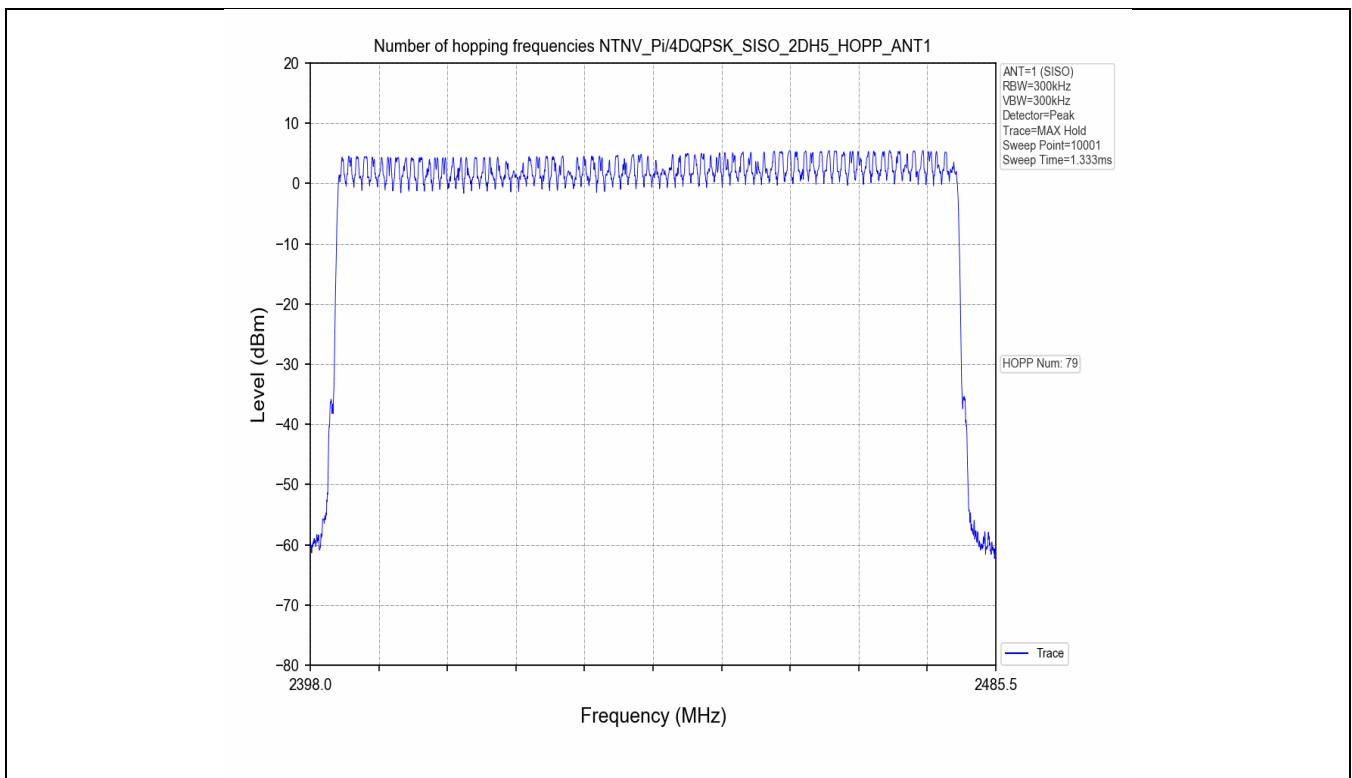
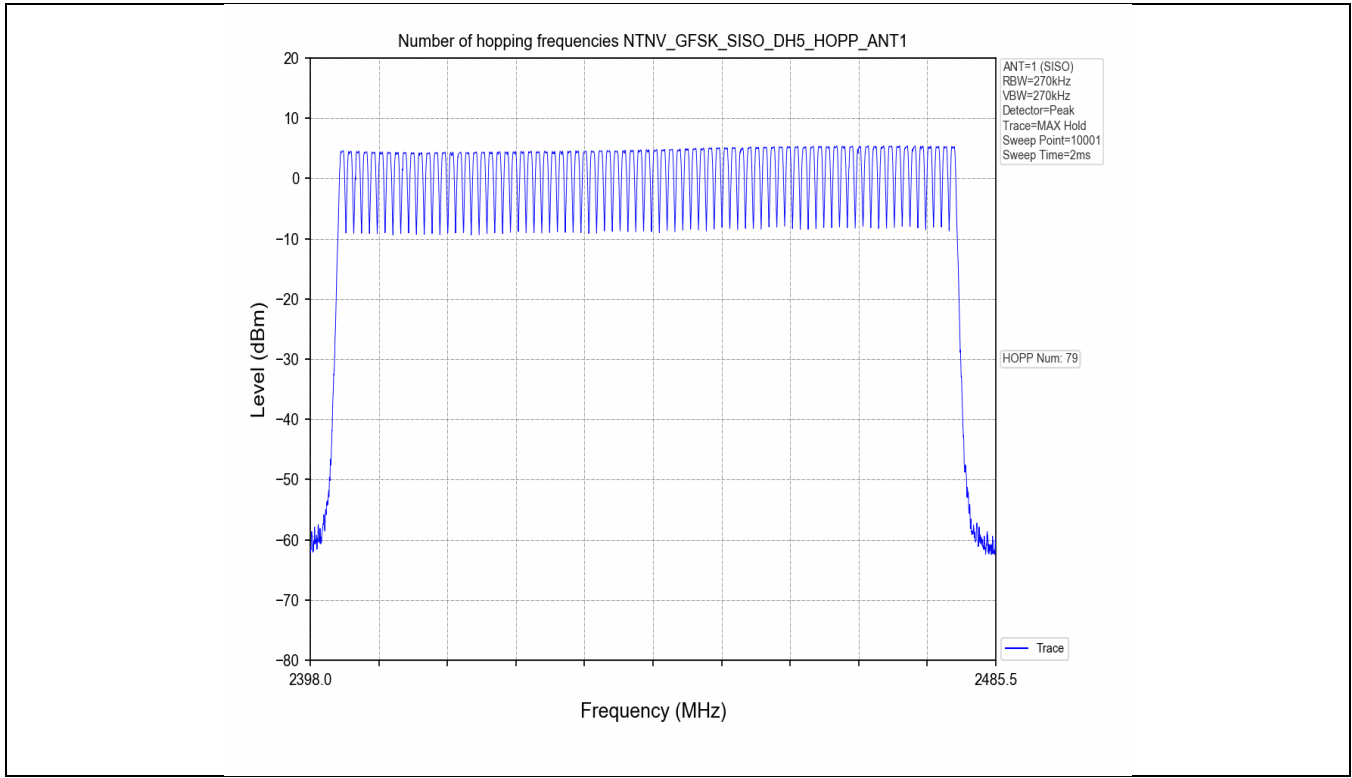


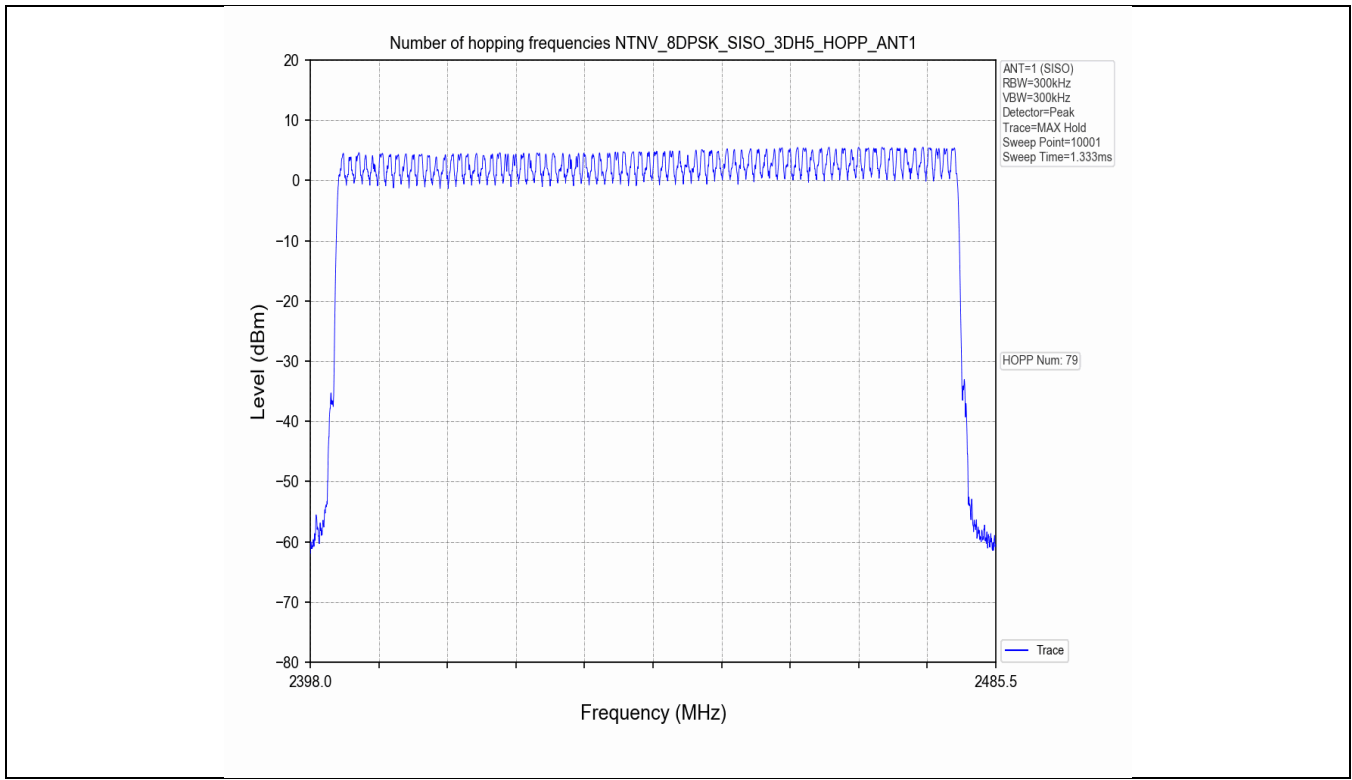
4. Number of hopping frequencies

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



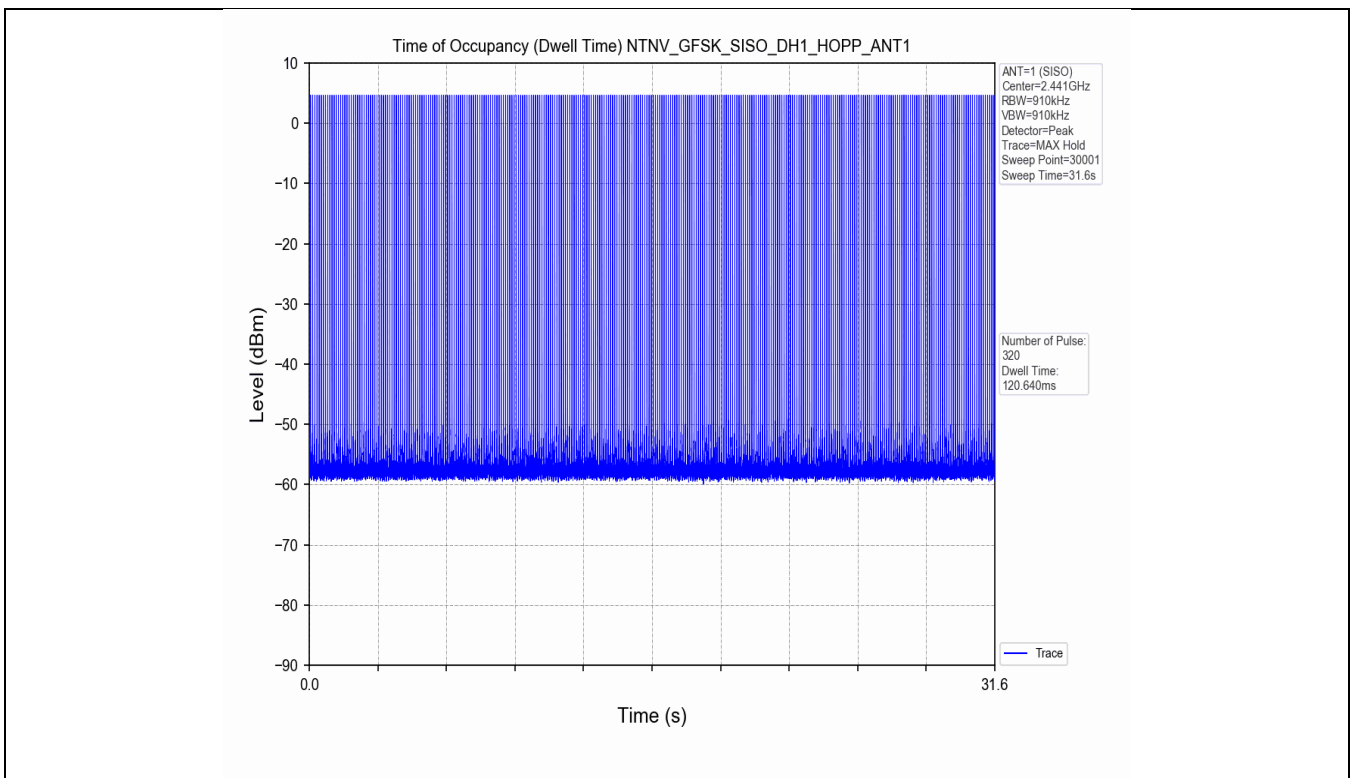
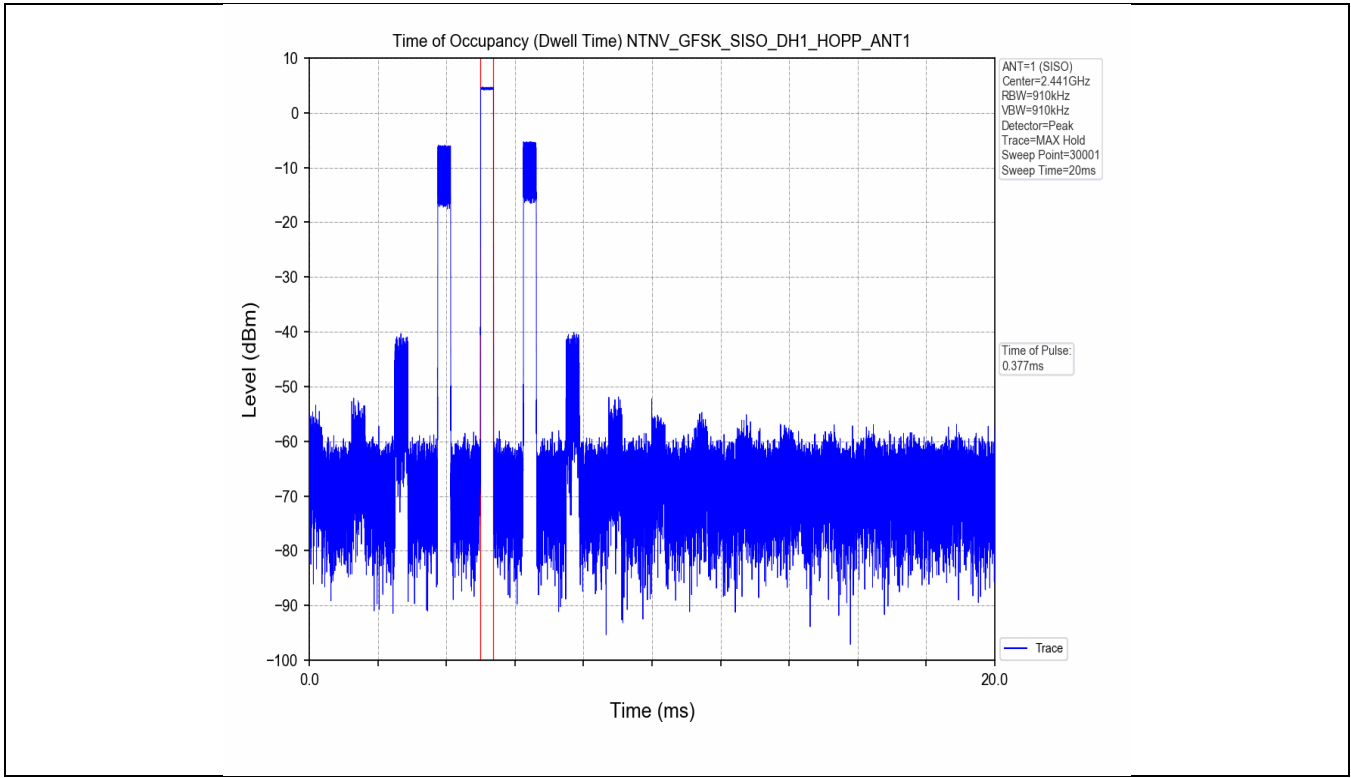


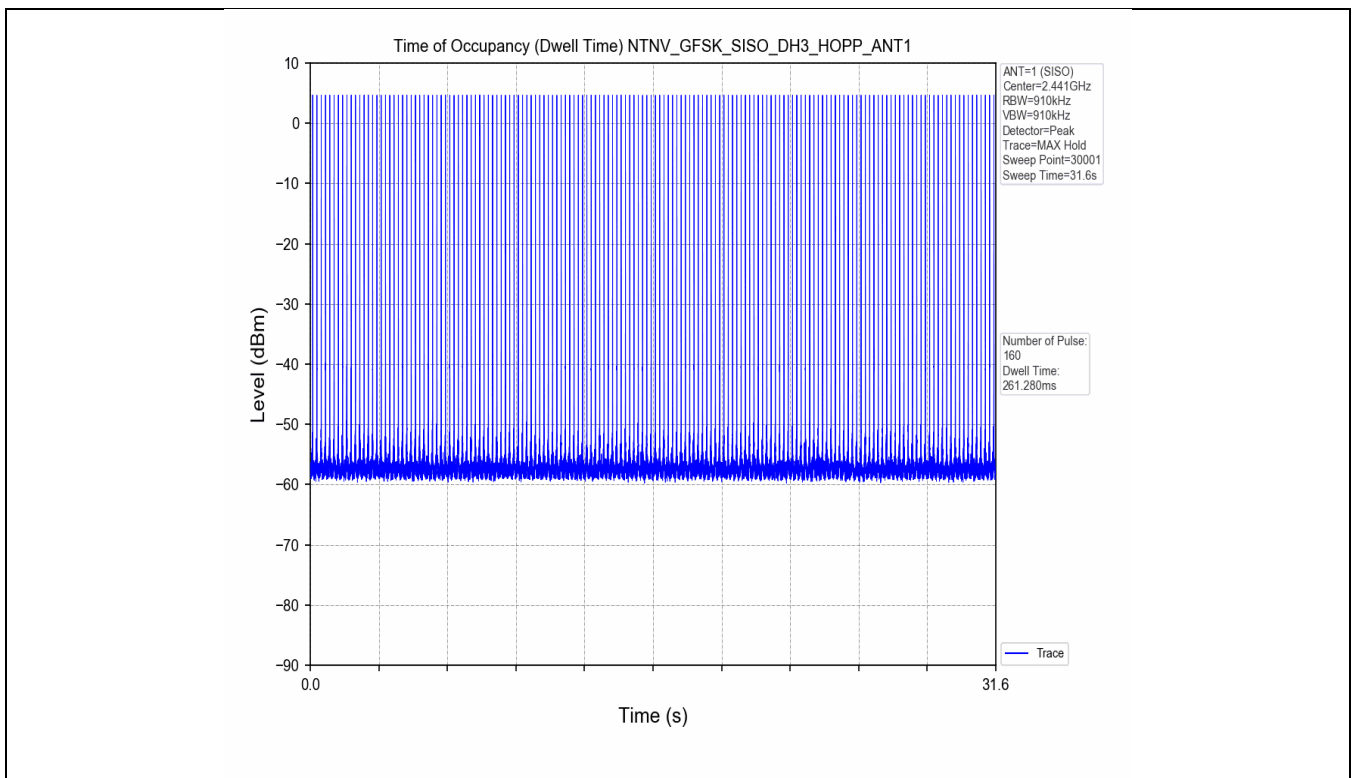
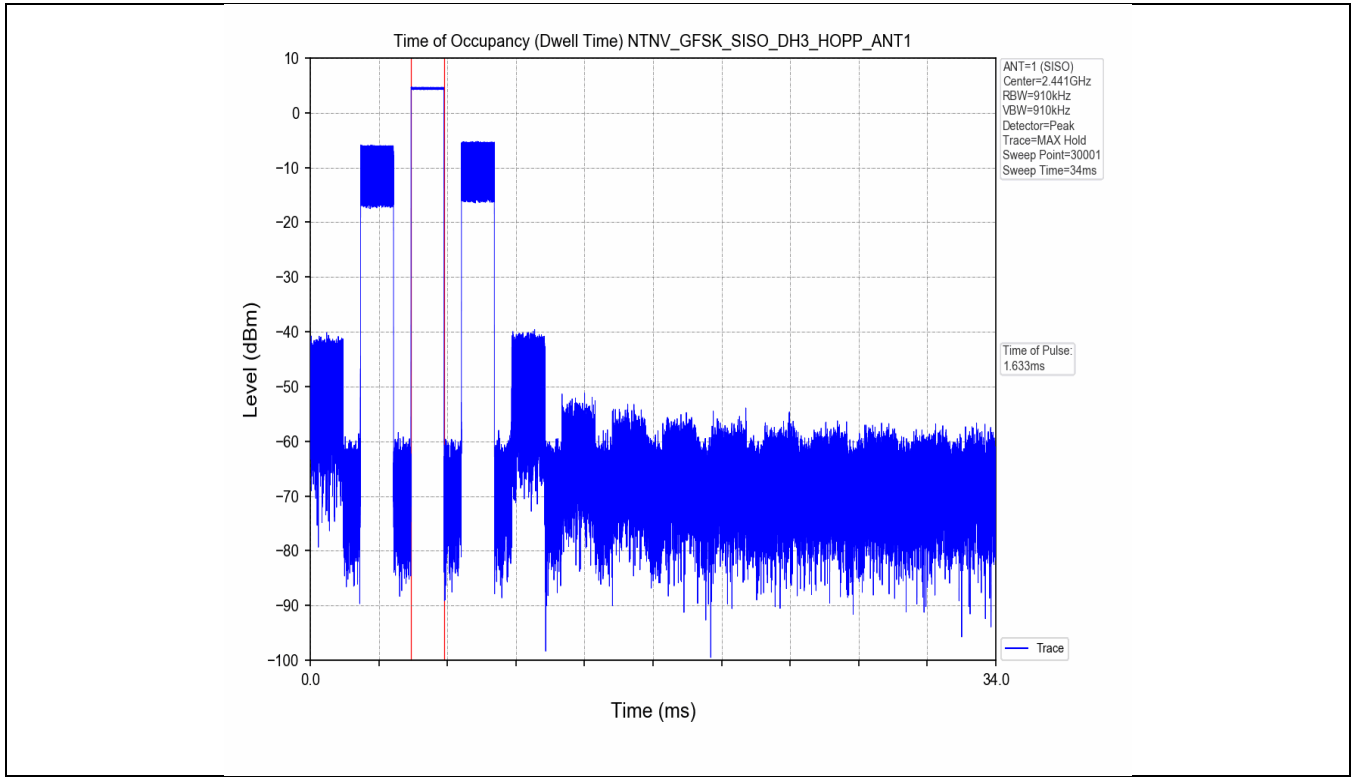
5. Time of Occupancy (Dwell Time)

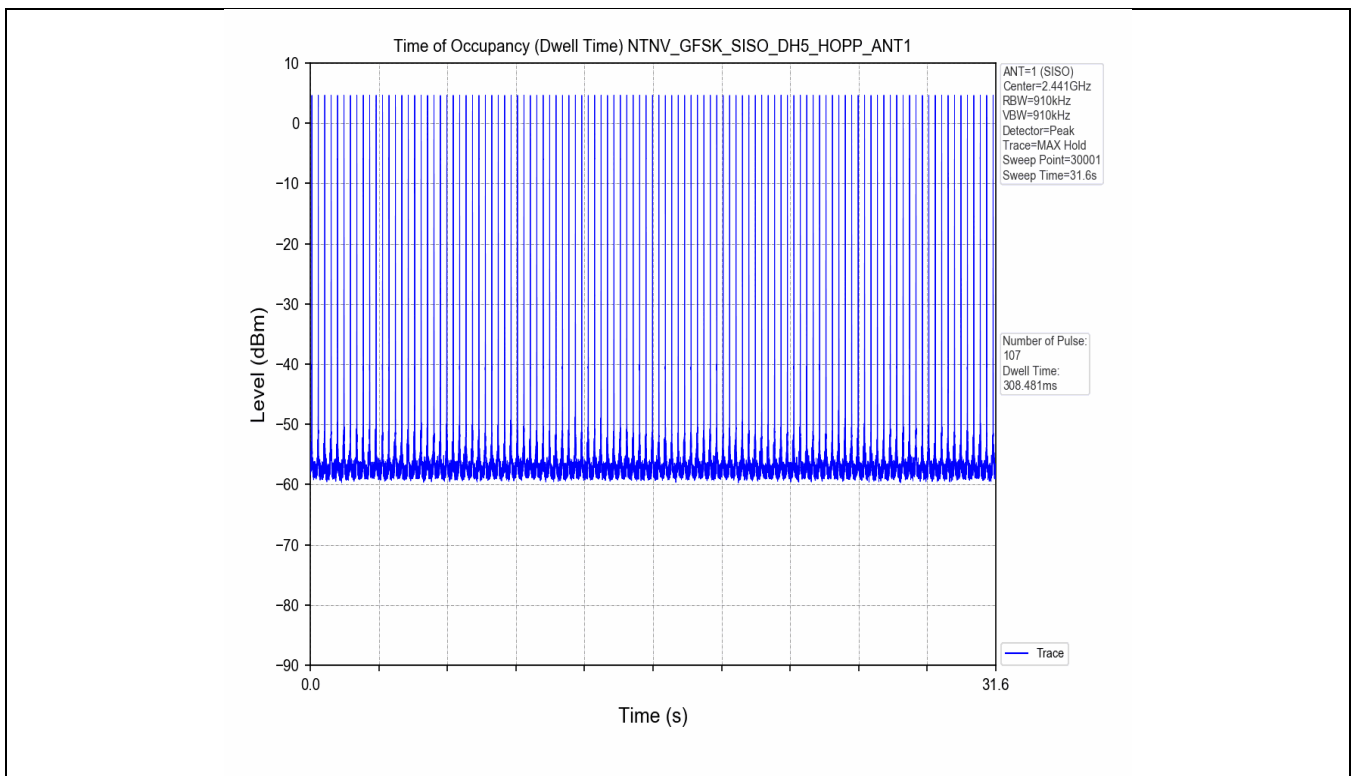
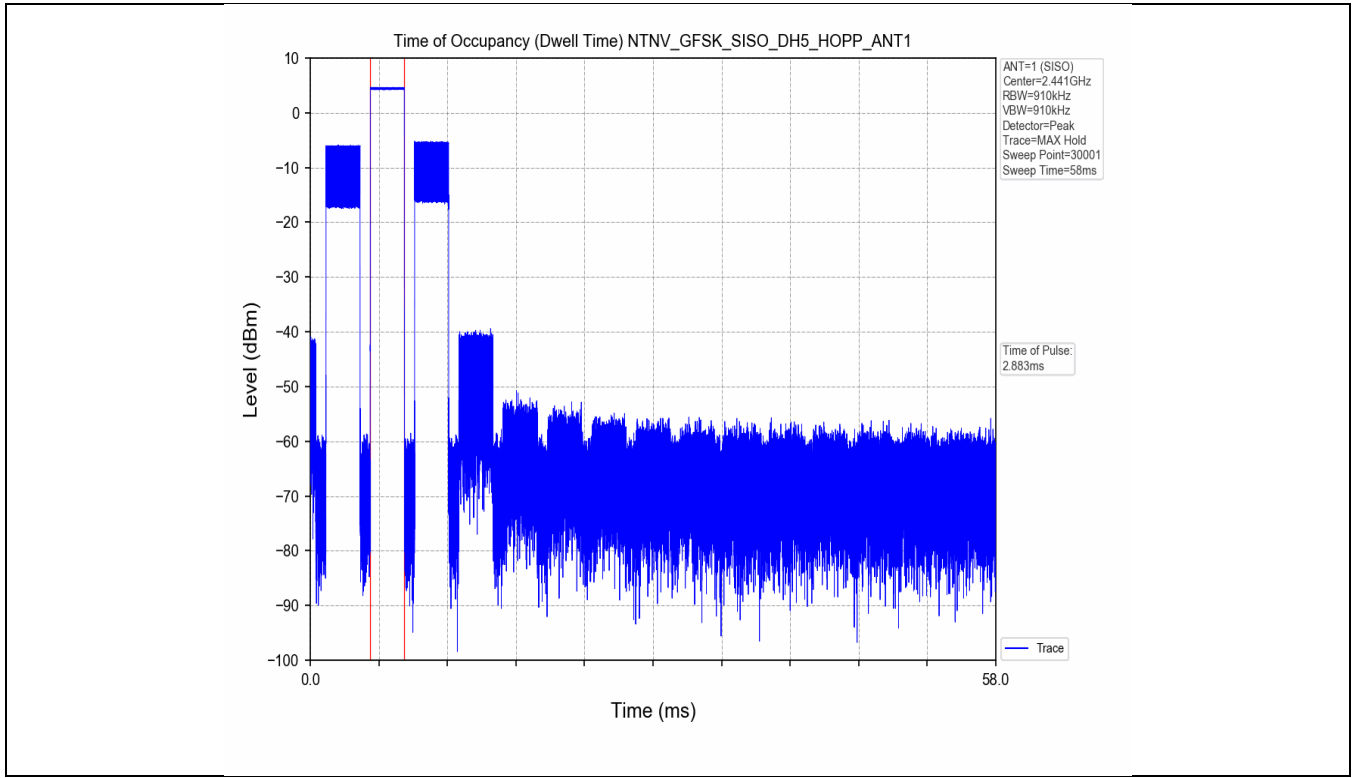
5.1 Test Result

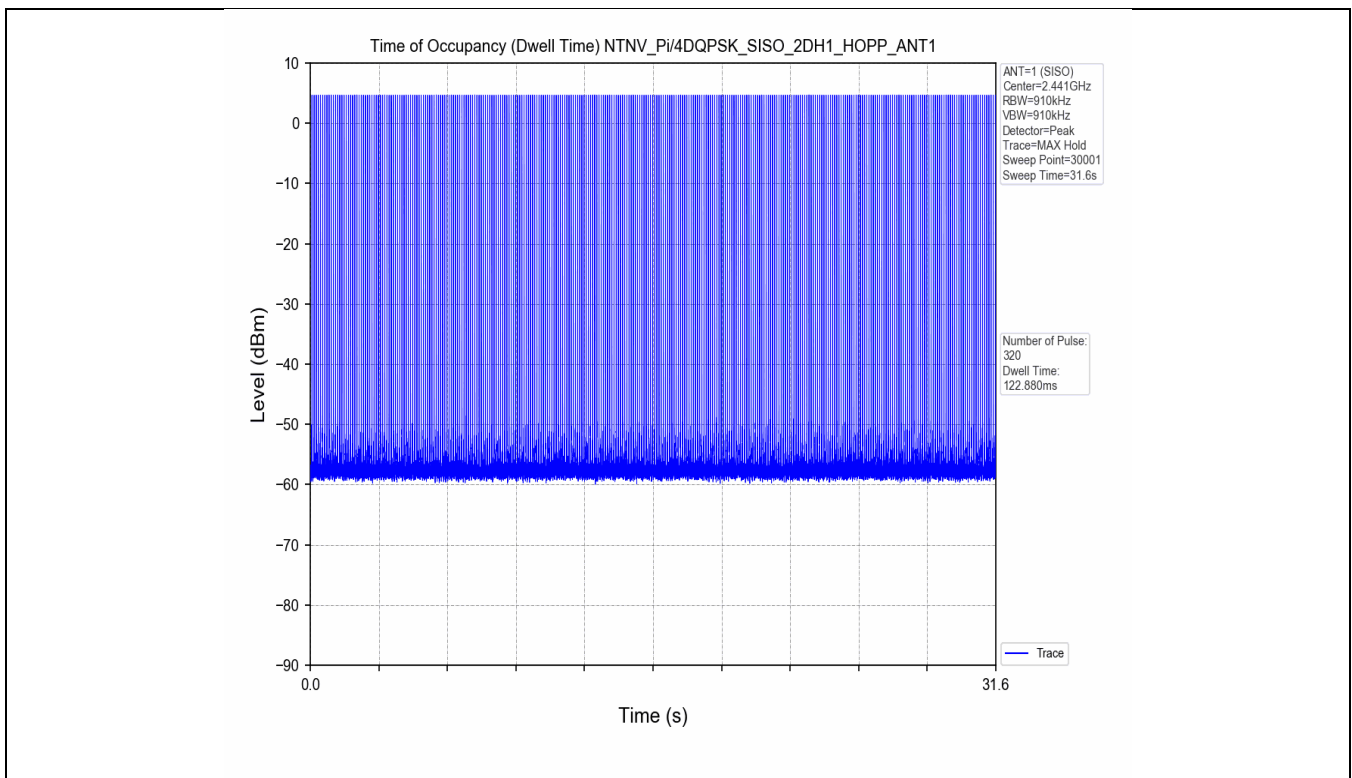
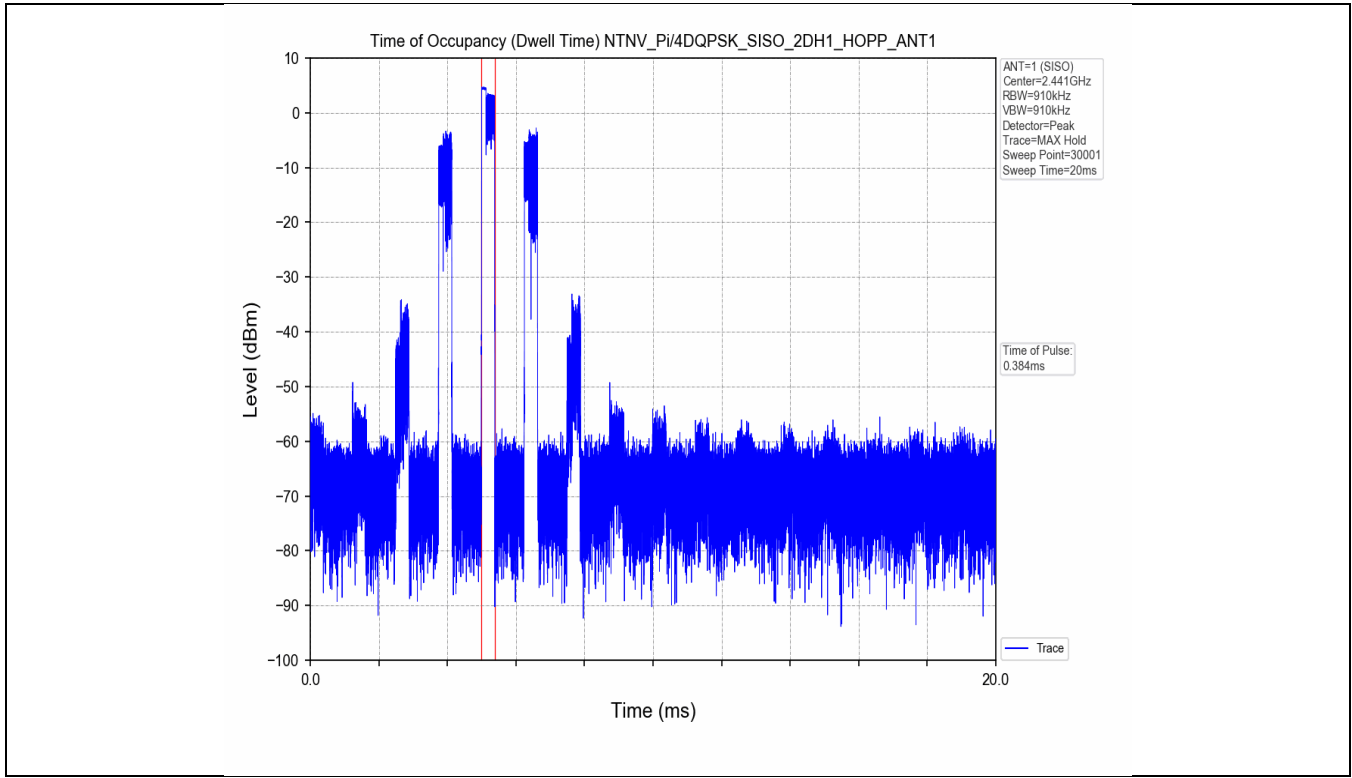
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.377	31.6	320	120.640	≤400	PASS
	DH3	SISO	1	1.633	31.6	160	261.280	≤400	PASS
	DH5	SISO	1	2.883	31.6	107	308.481	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.384	31.6	320	122.880	≤400	PASS
	2DH3	SISO	1	1.635	31.6	160	261.600	≤400	PASS
	2DH5	SISO	1	2.838	31.6	107	303.666	≤400	PASS
8DPSK	3DH1	SISO	1	0.383	31.6	320	122.560	≤400	PASS
	3DH3	SISO	1	1.634	31.6	160	261.440	≤400	PASS
	3DH5	SISO	1	2.885	31.6	107	308.695	≤400	PASS

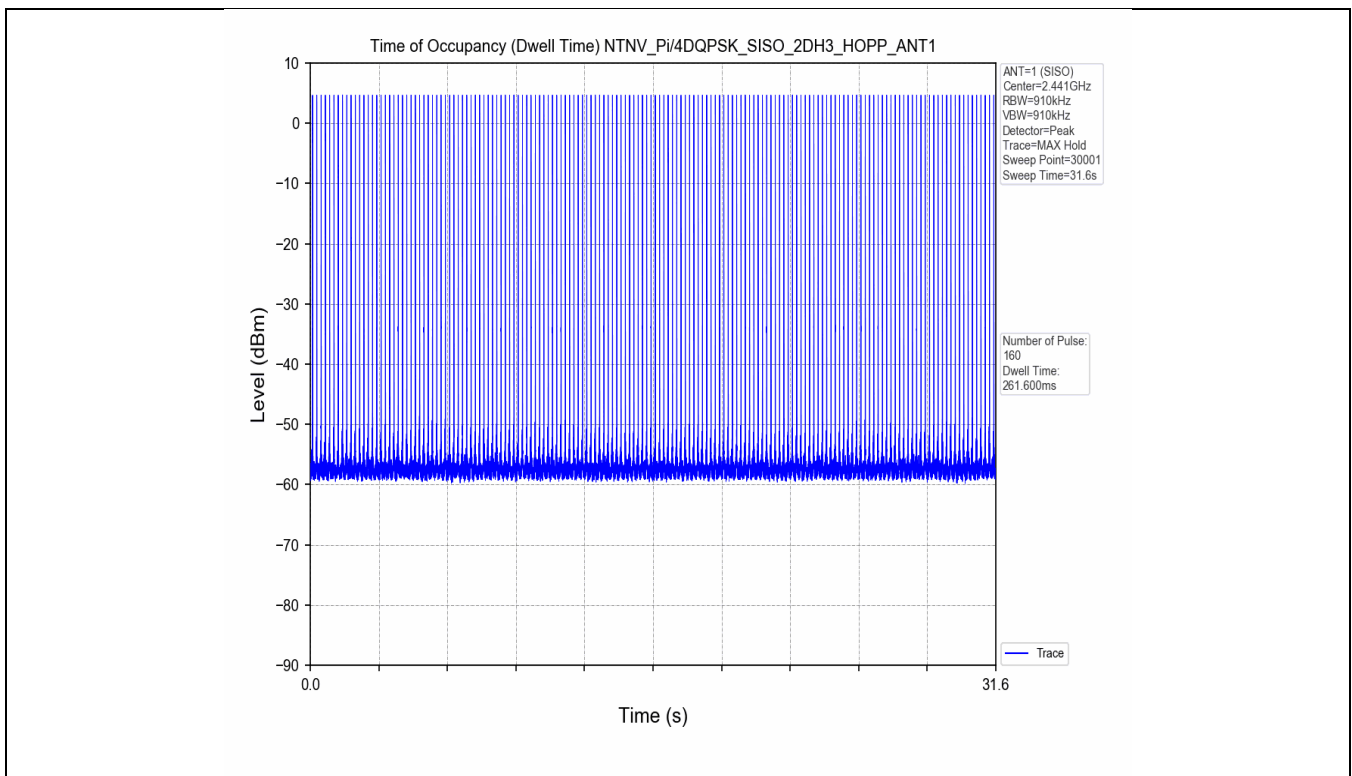
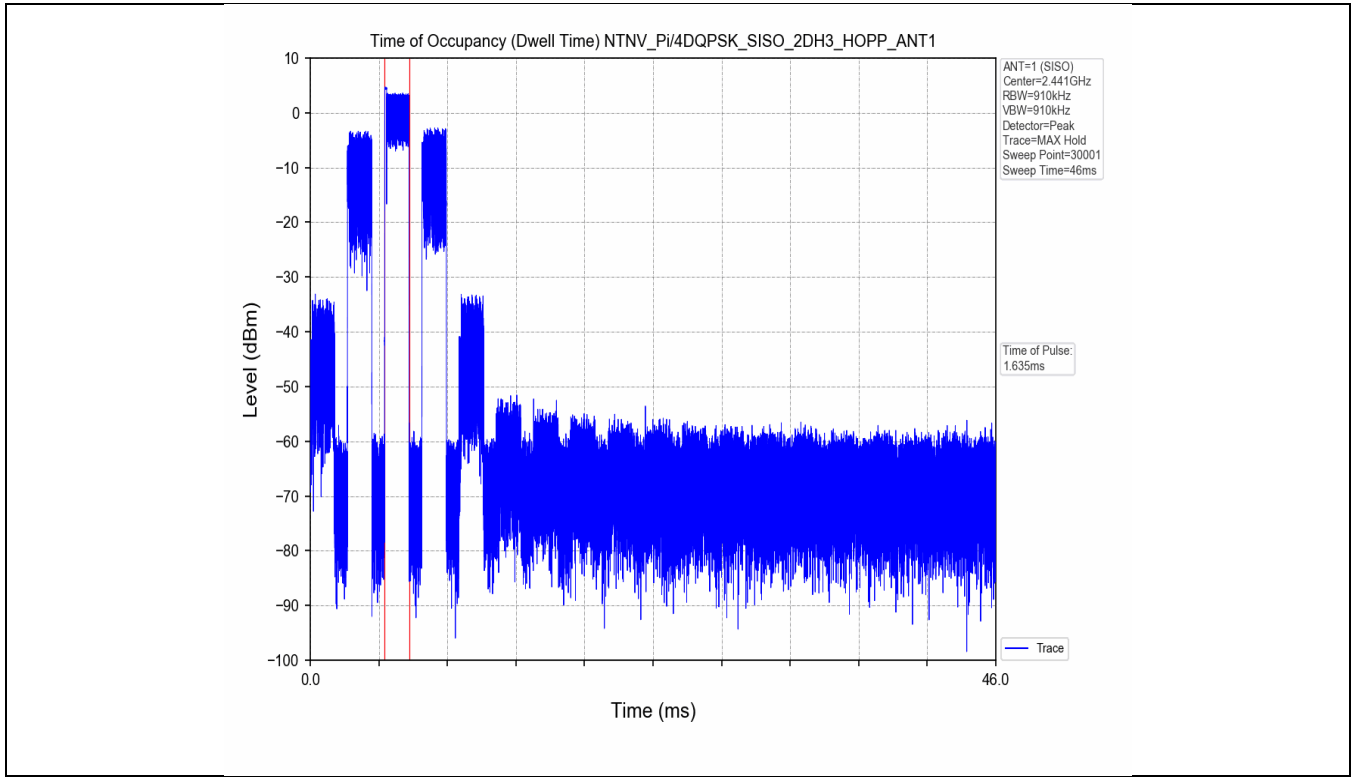
5.2 Test Graph

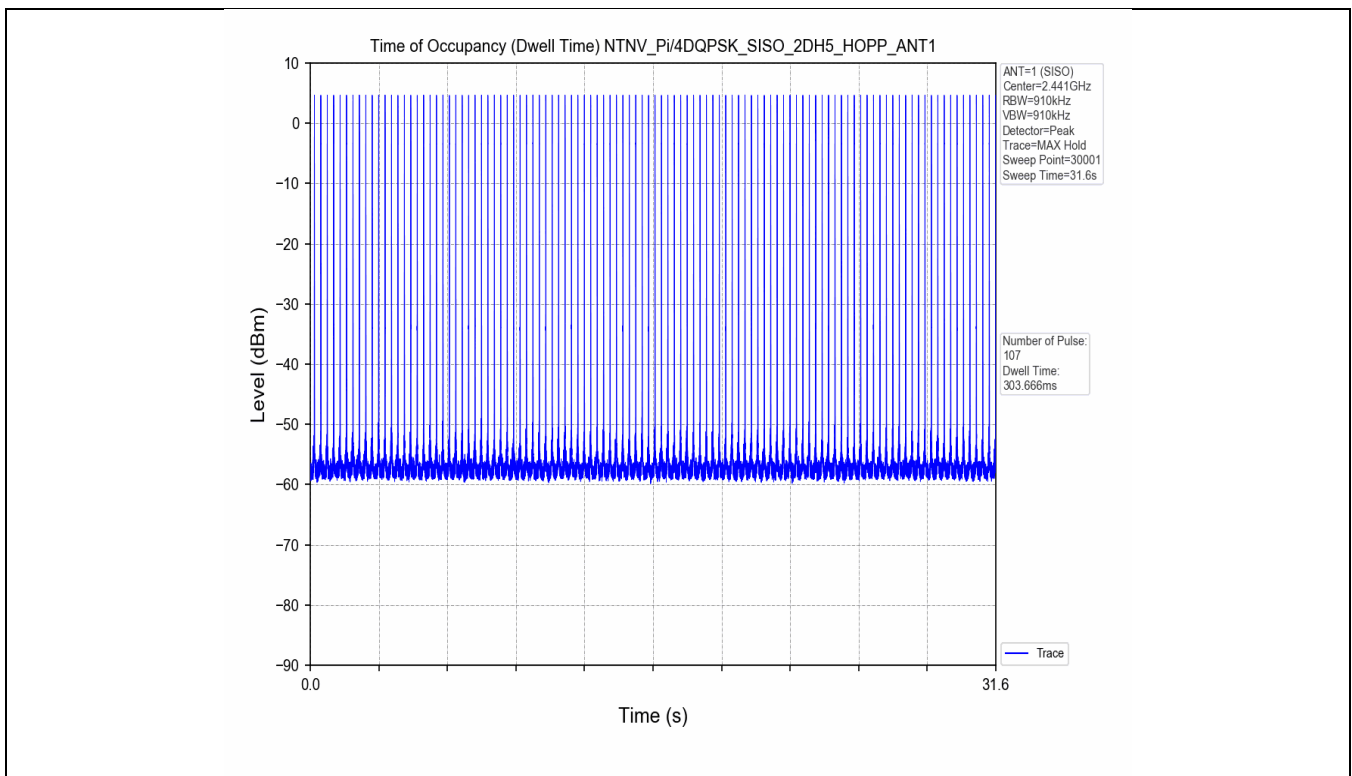
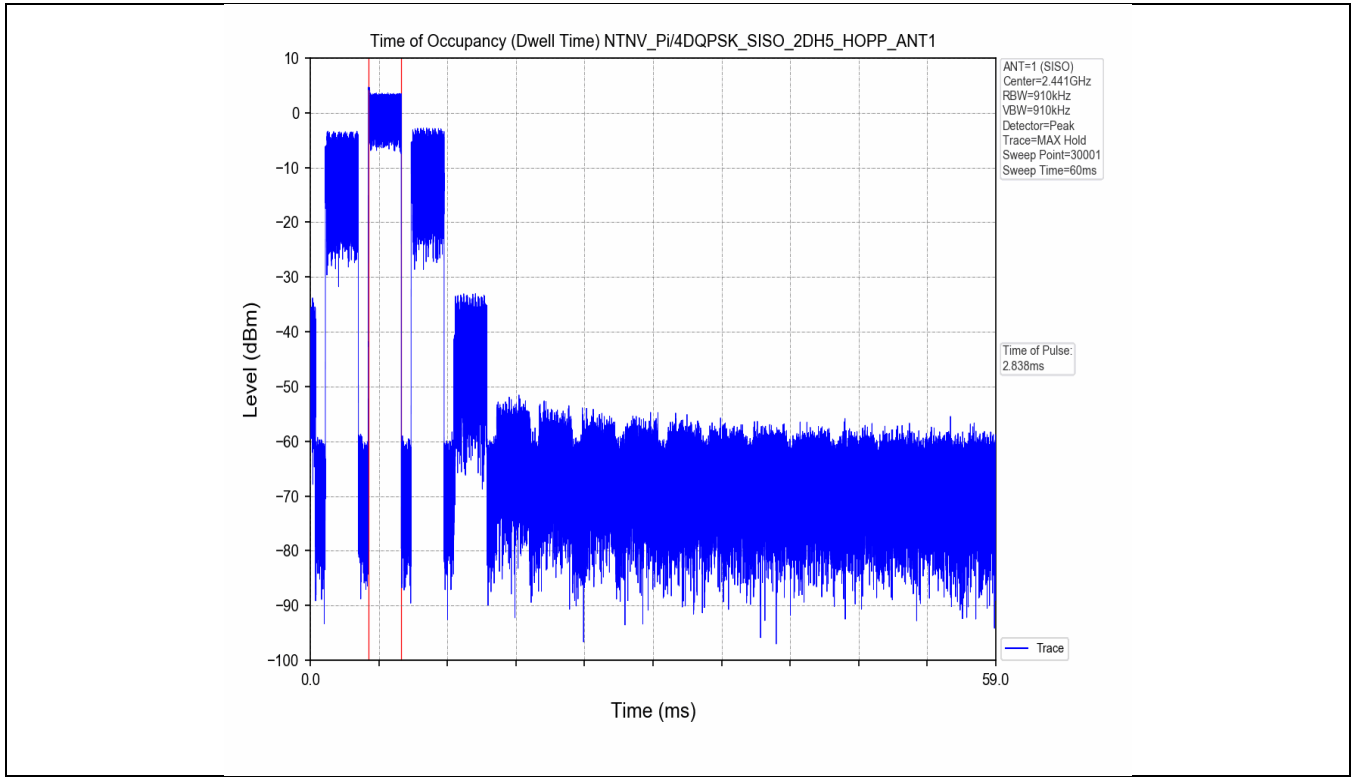


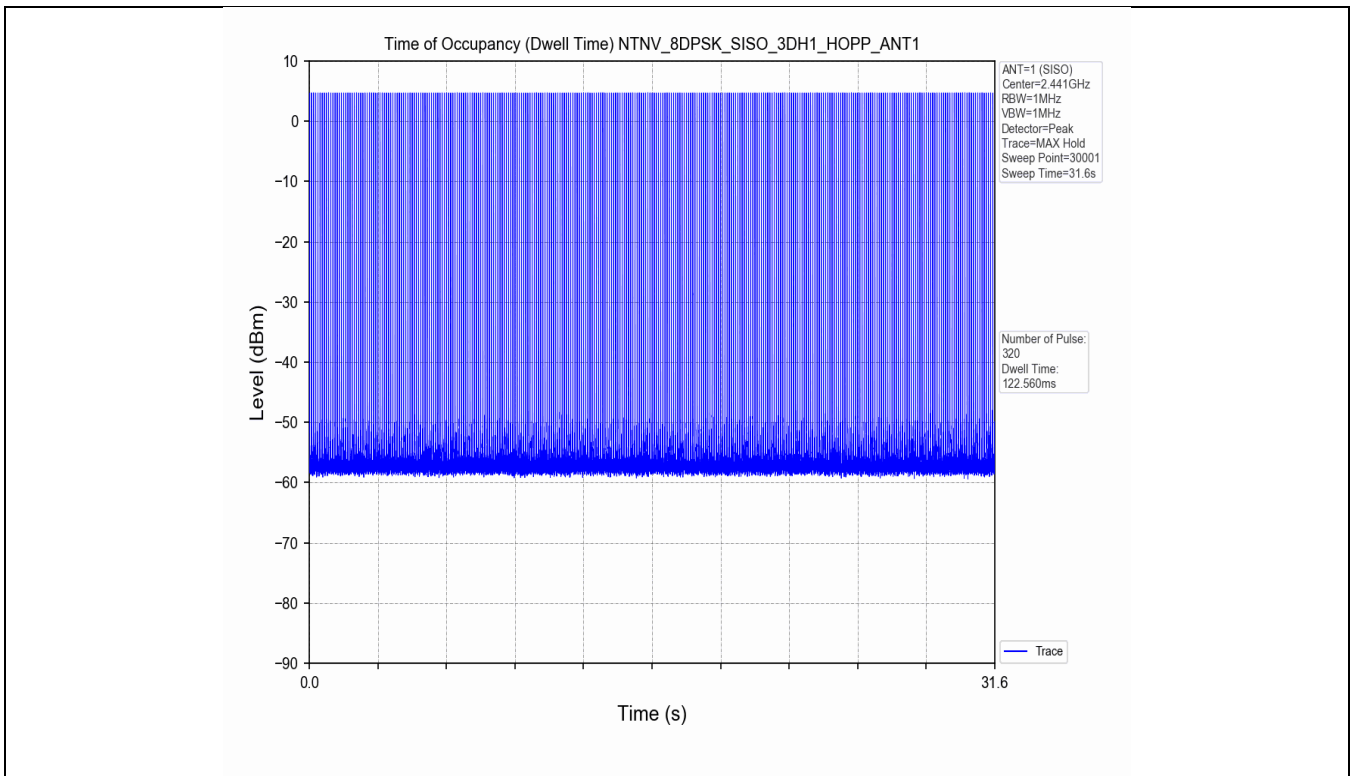
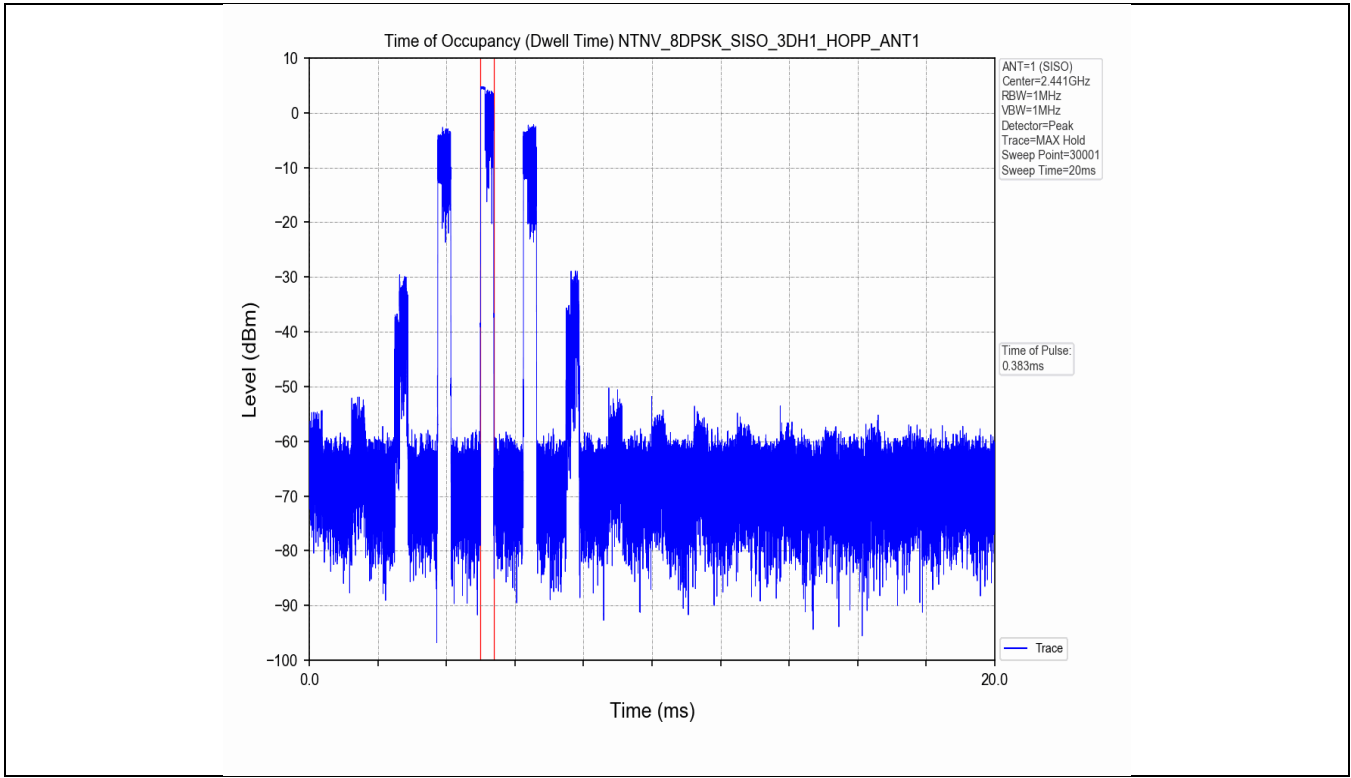


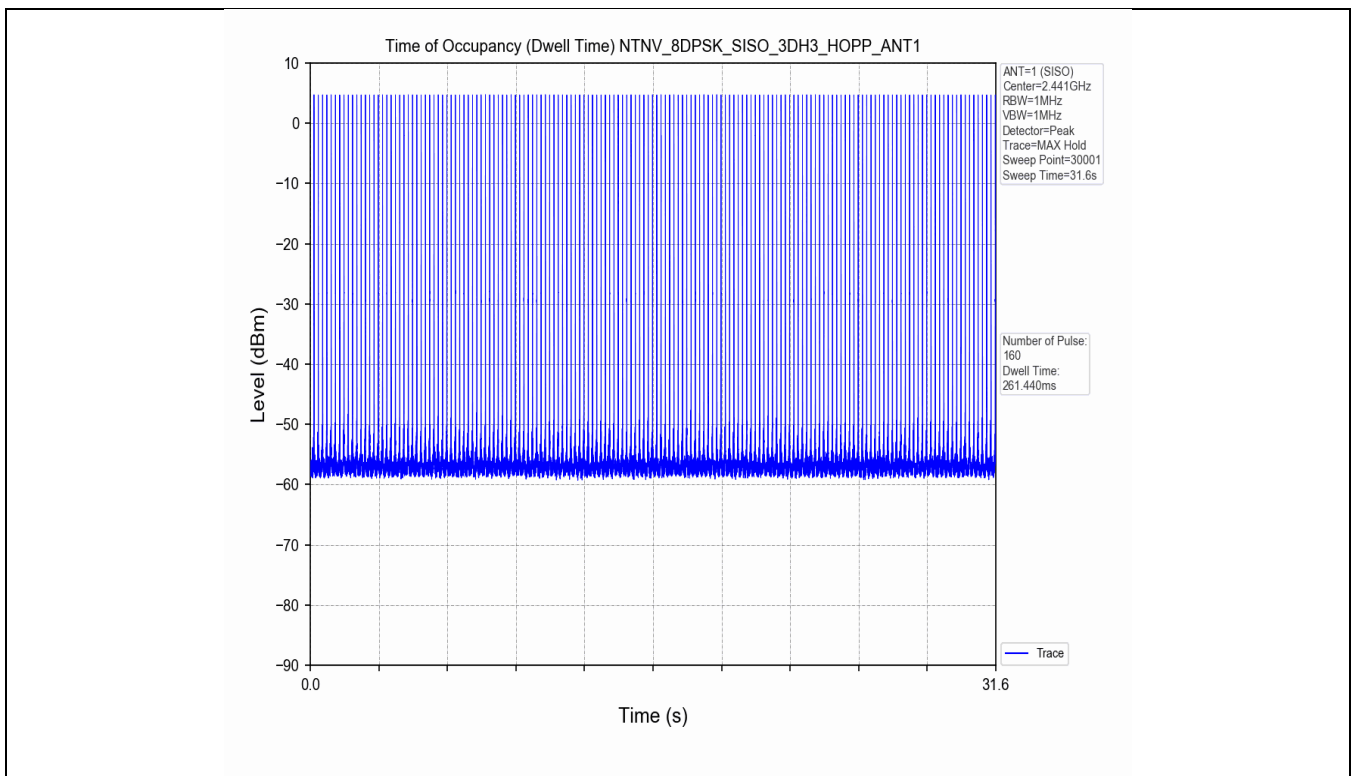
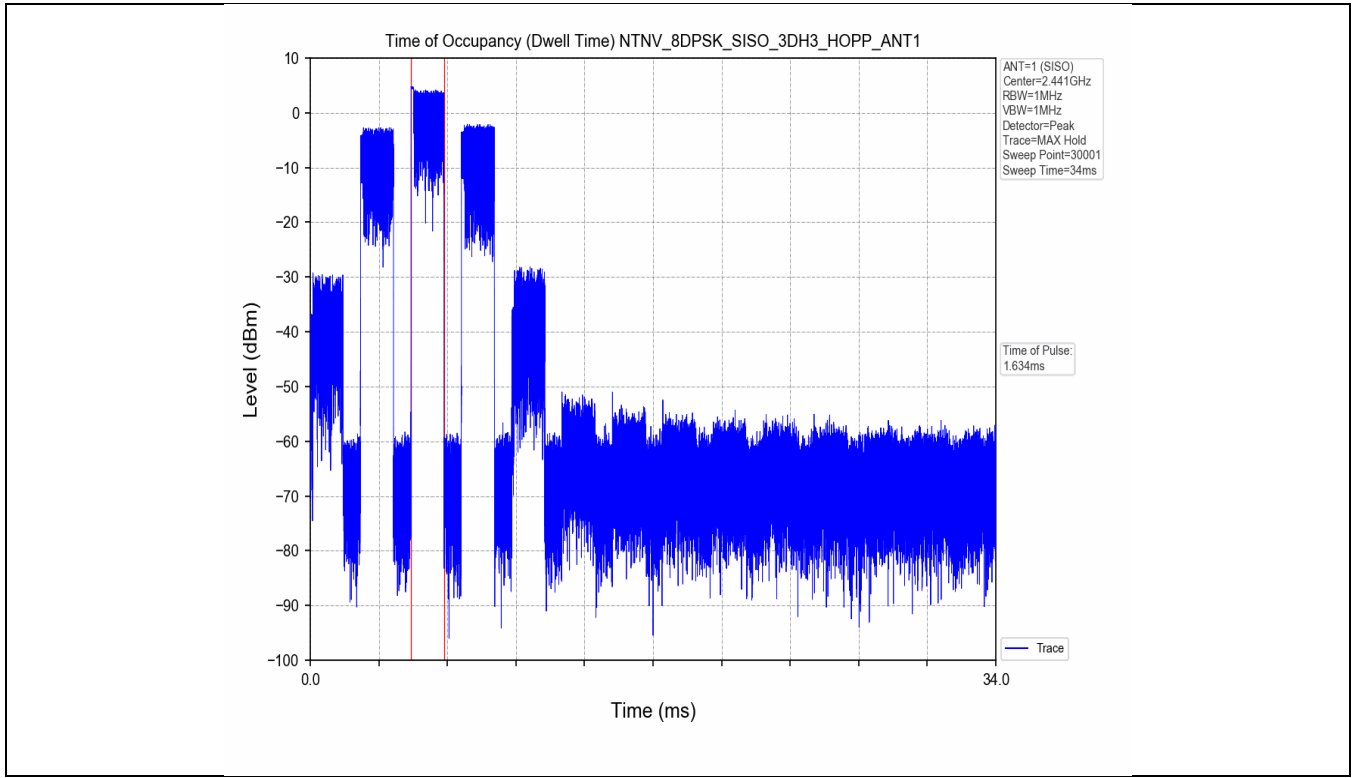


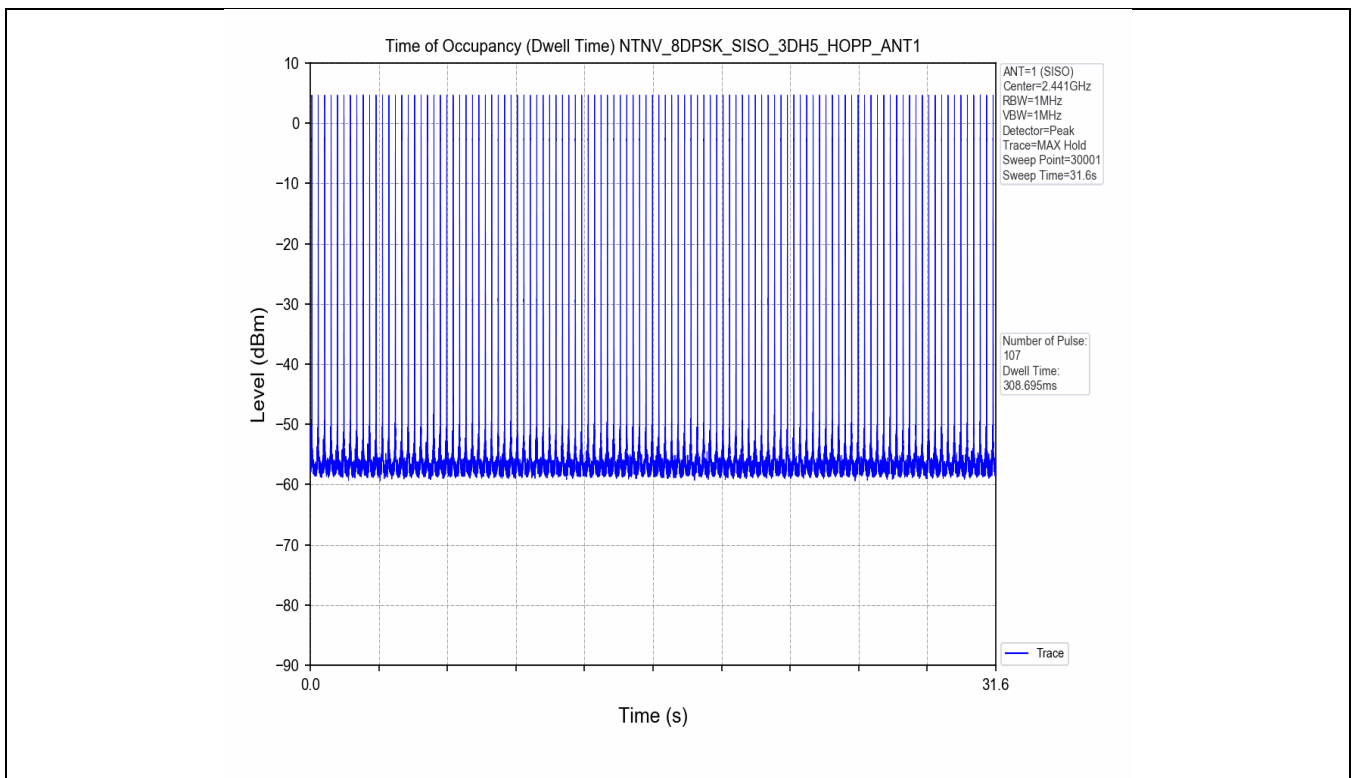
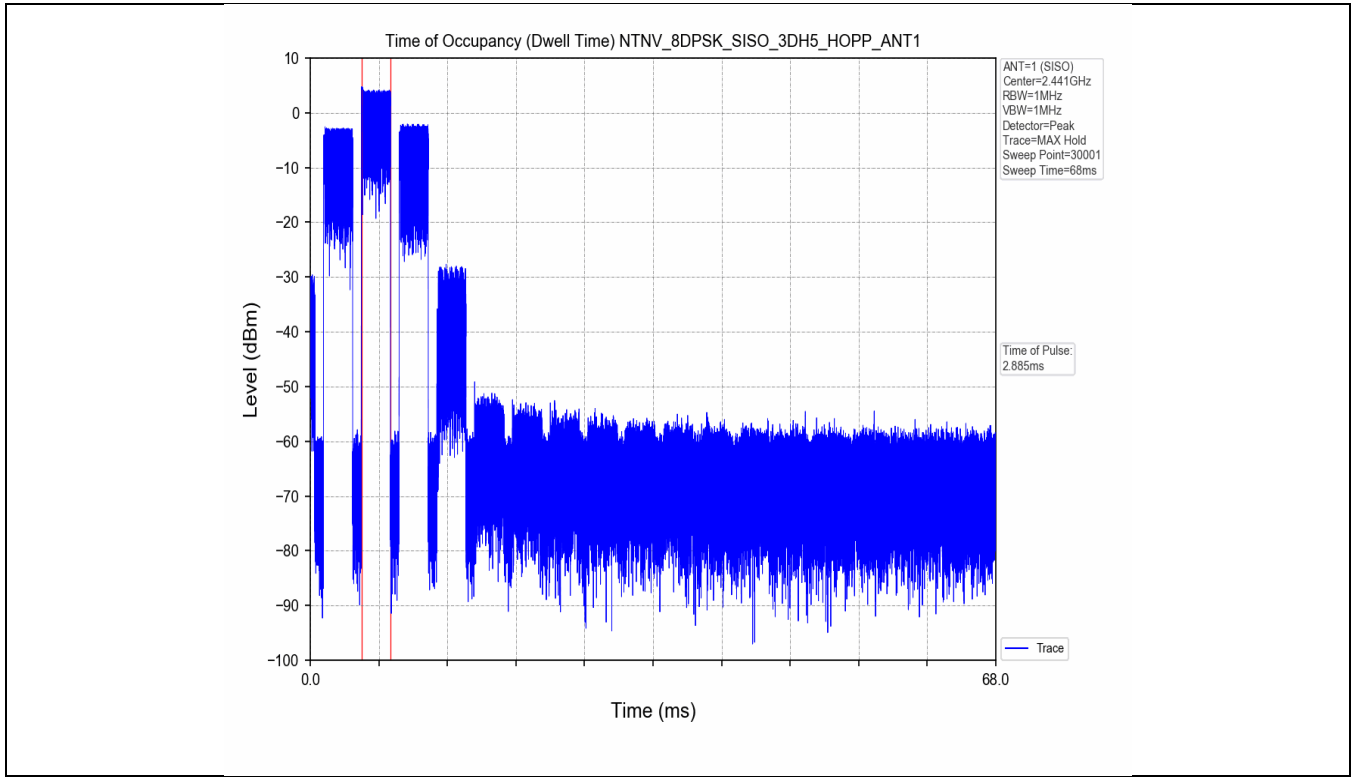












6. Unwanted Emissions in Non-restricted Frequency Bands

6.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-14.77	PASS
	2441	SISO	1	Refer to test graph	-14.77	PASS
	2480	SISO	1	Refer to test graph	-14.77	PASS
	Hopping	SISO	1	Refer to test graph	-14.77	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-14.76	PASS
	2441	SISO	1	Refer to test graph	-14.76	PASS
	2480	SISO	1	Refer to test graph	-14.76	PASS
	Hopping	SISO	1	Refer to test graph	-14.76	PASS
8DPSK	2402	SISO	1	Refer to test graph	-14.75	PASS
	2441	SISO	1	Refer to test graph	-14.75	PASS
	2480	SISO	1	Refer to test graph	-14.75	PASS
	Hopping	SISO	1	Refer to test graph	-14.75	PASS

6.2 Test Graph

