



Appendix for 15.247

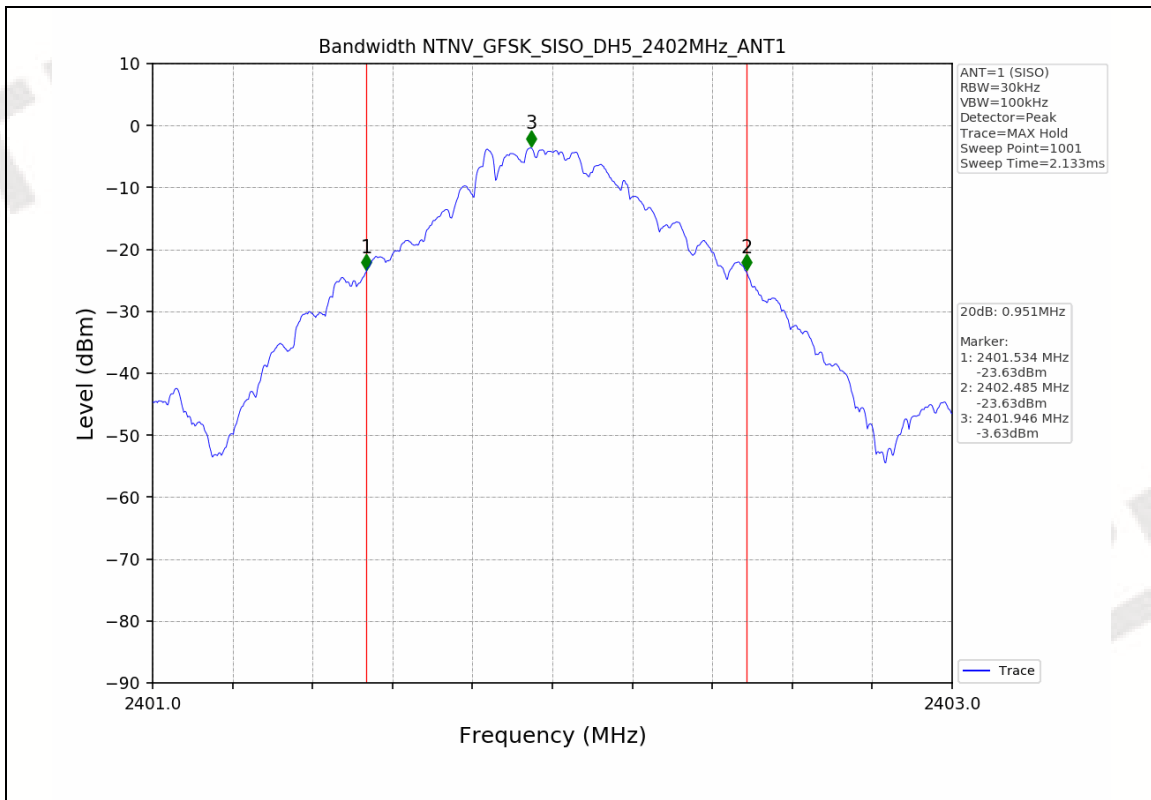
1. Bandwidth

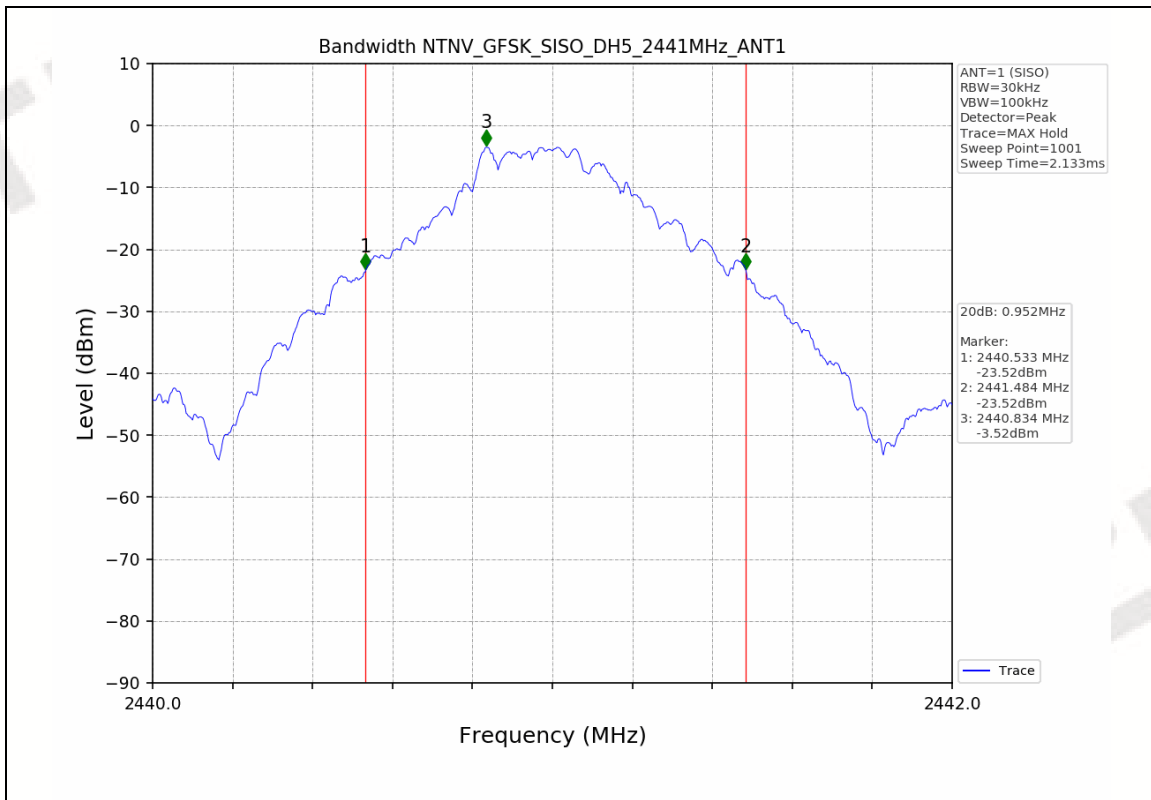
1.1 Test Result

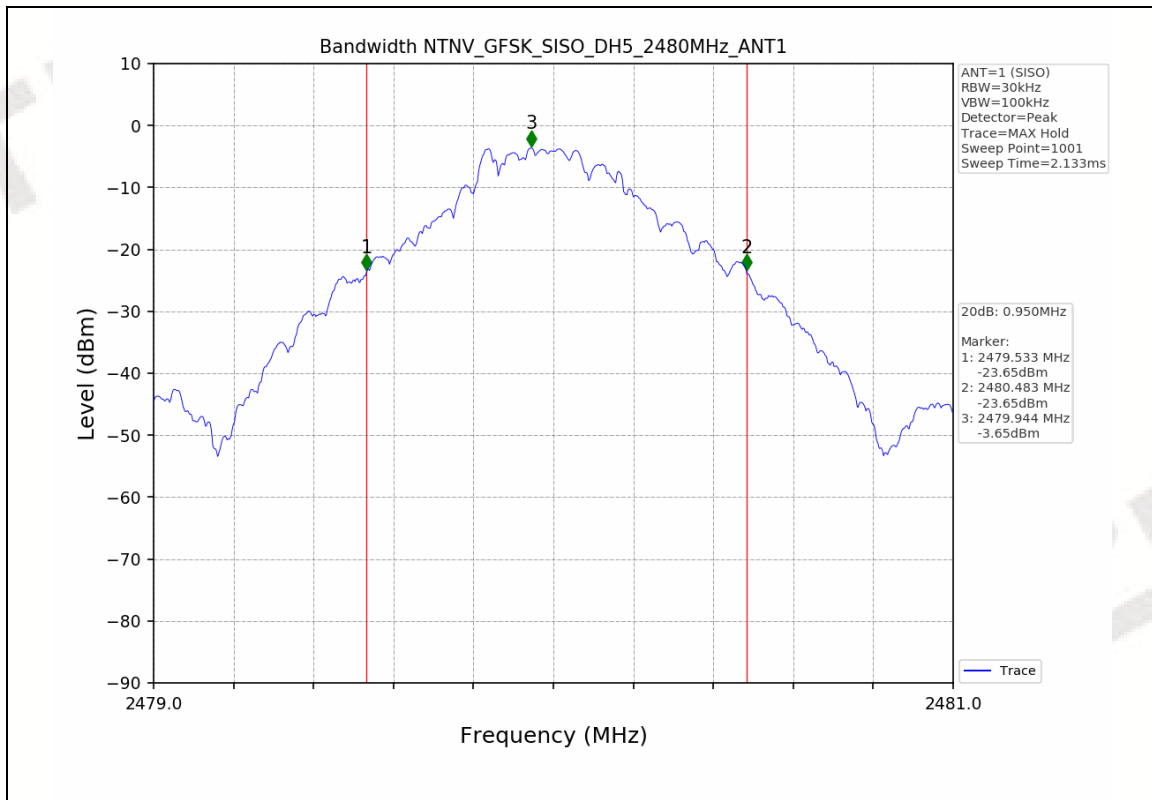
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.951	PASS
	2441	SISO	1	0.952	PASS
	2480	SISO	1	0.950	PASS
Pi/4DQPSK	2402	SISO	1	1.319	PASS
	2441	SISO	1	1.324	PASS
	2480	SISO	1	1.317	PASS
8DPSK	2402	SISO	1	1.310	PASS
	2441	SISO	1	1.287	PASS
	2480	SISO	1	1.307	PASS

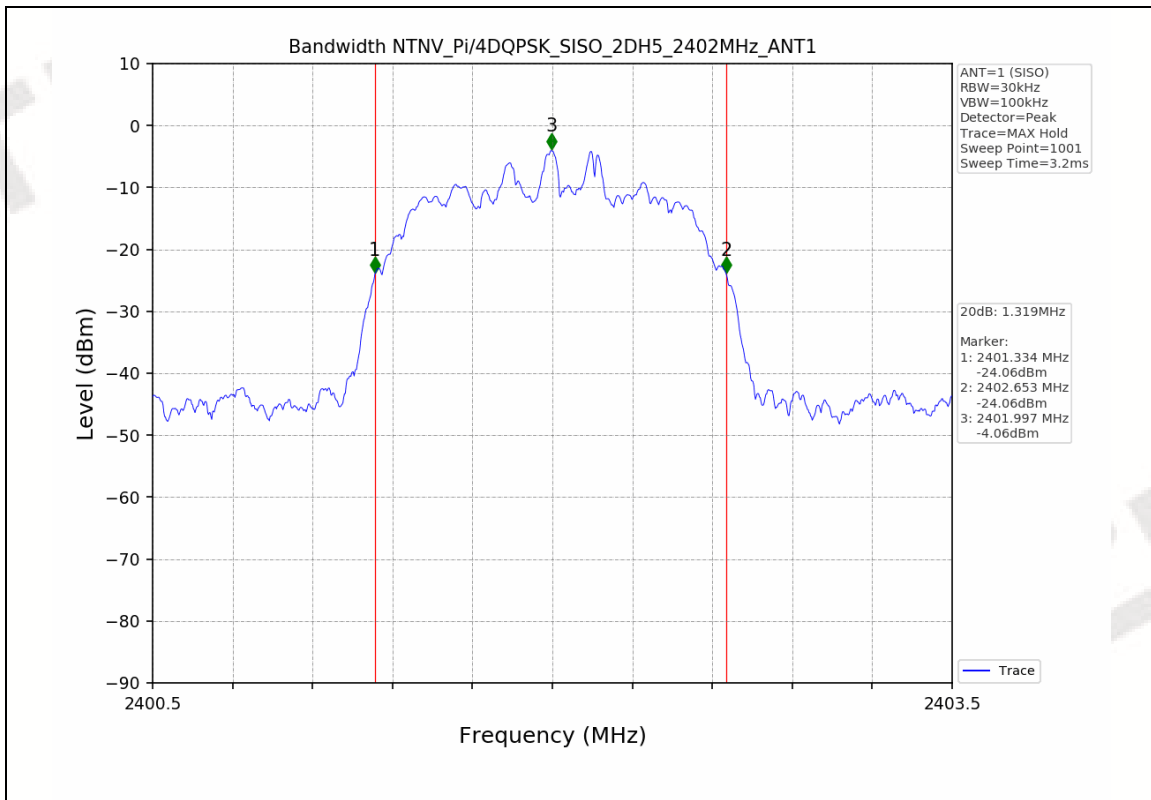
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.837	Only for Report Use
	2441	SISO	1	0.844	Only for Report Use
	2480	SISO	1	0.844	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.178	Only for Report Use
	2441	SISO	1	1.175	Only for Report Use
	2480	SISO	1	1.179	Only for Report Use
8DPSK	2402	SISO	1	1.177	Only for Report Use
	2441	SISO	1	1.177	Only for Report Use
	2480	SISO	1	1.182	Only for Report Use

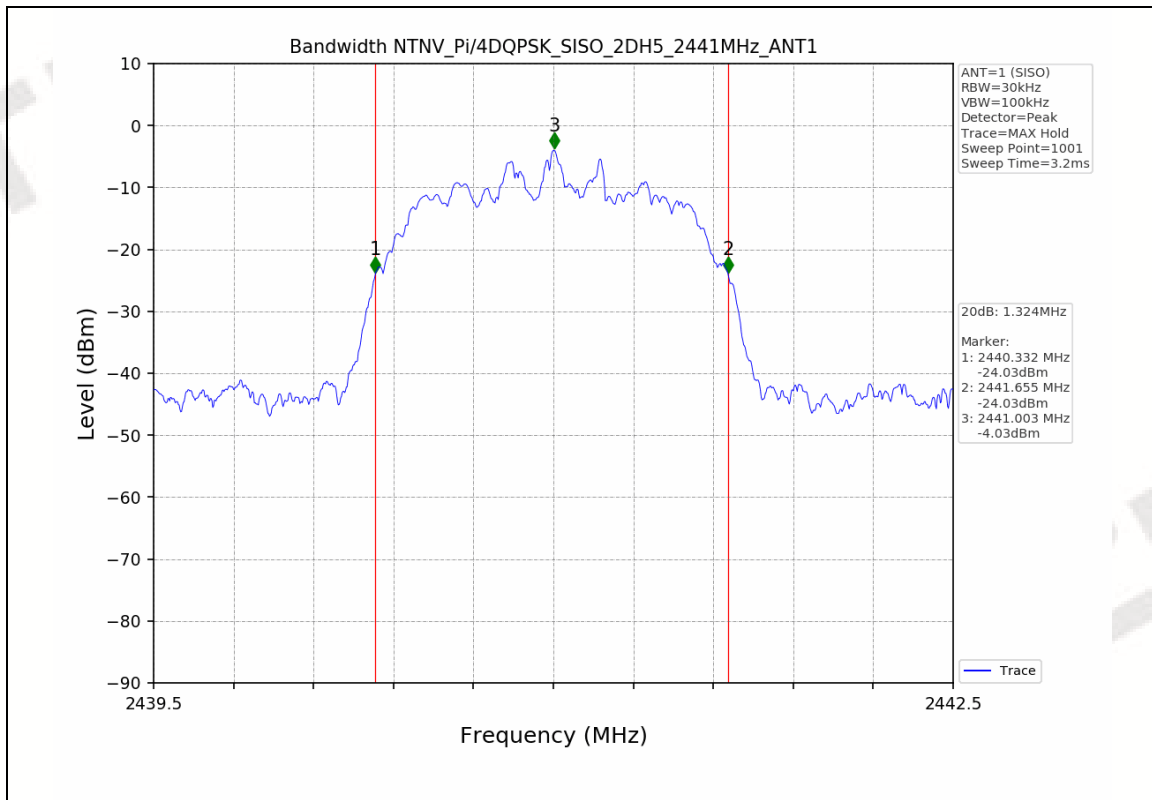
1.2 Test Graph - 20dB Bandwidth

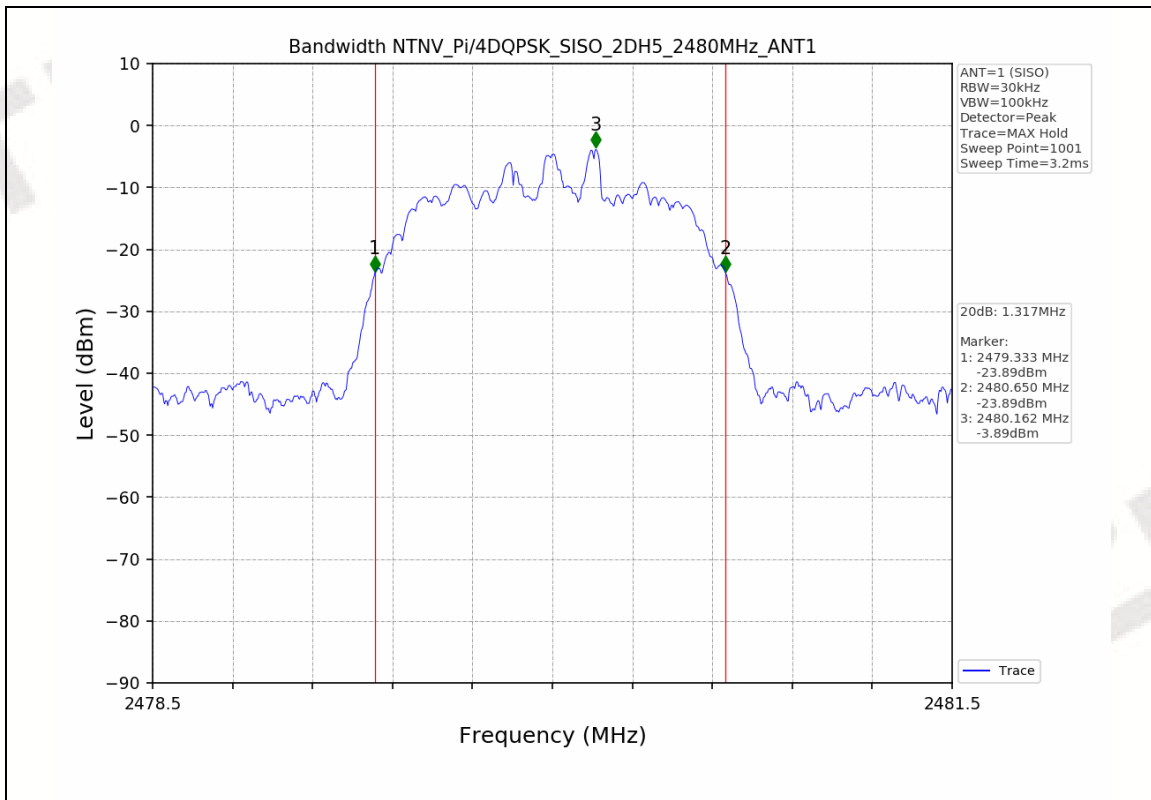


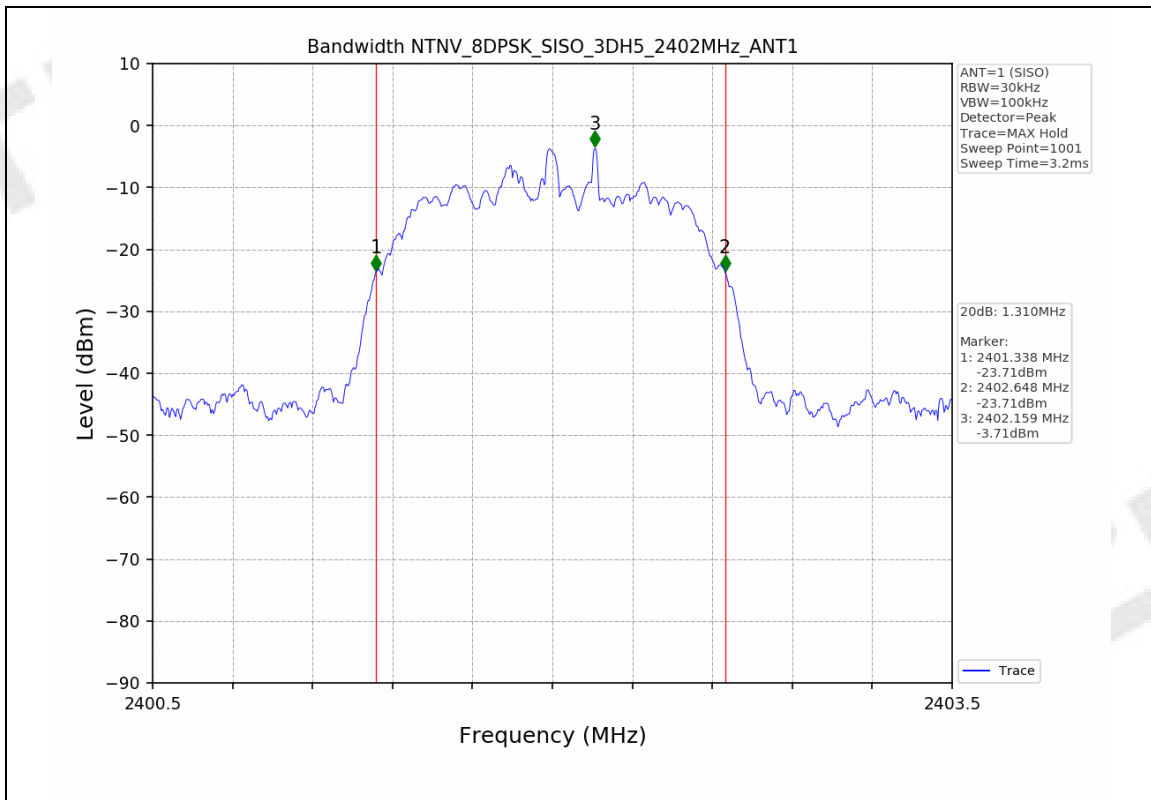


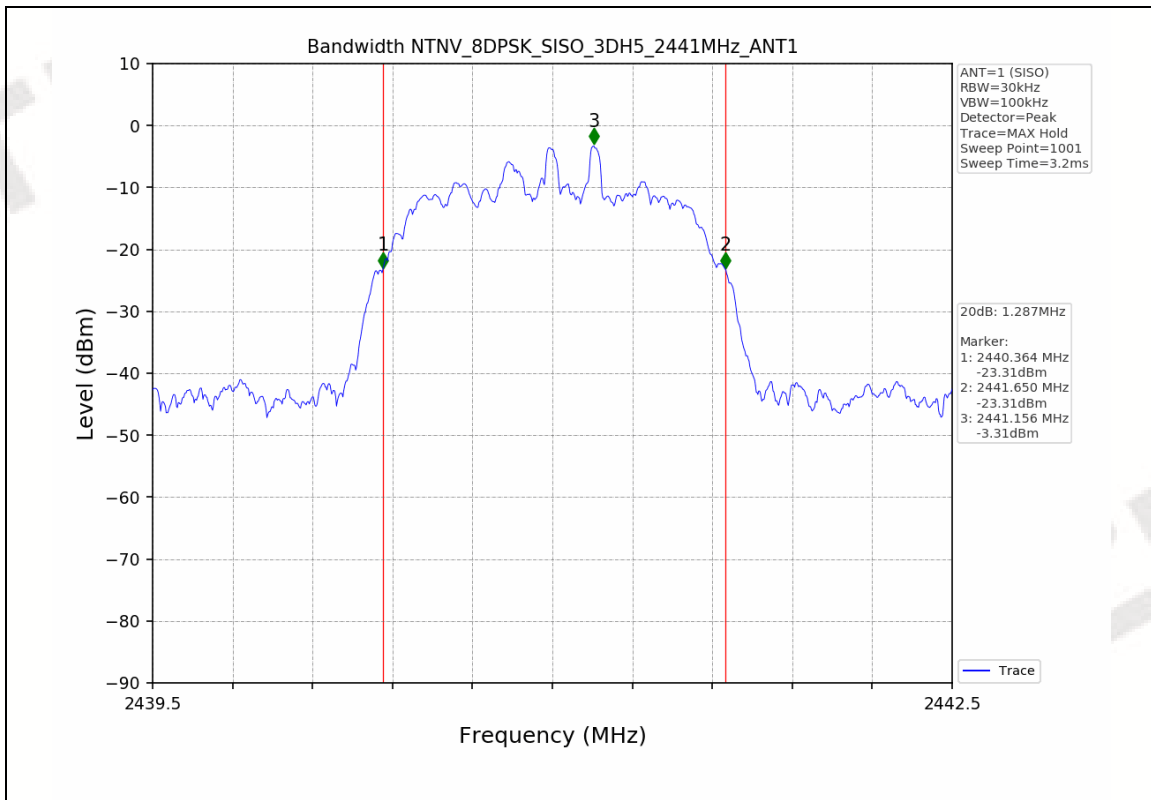


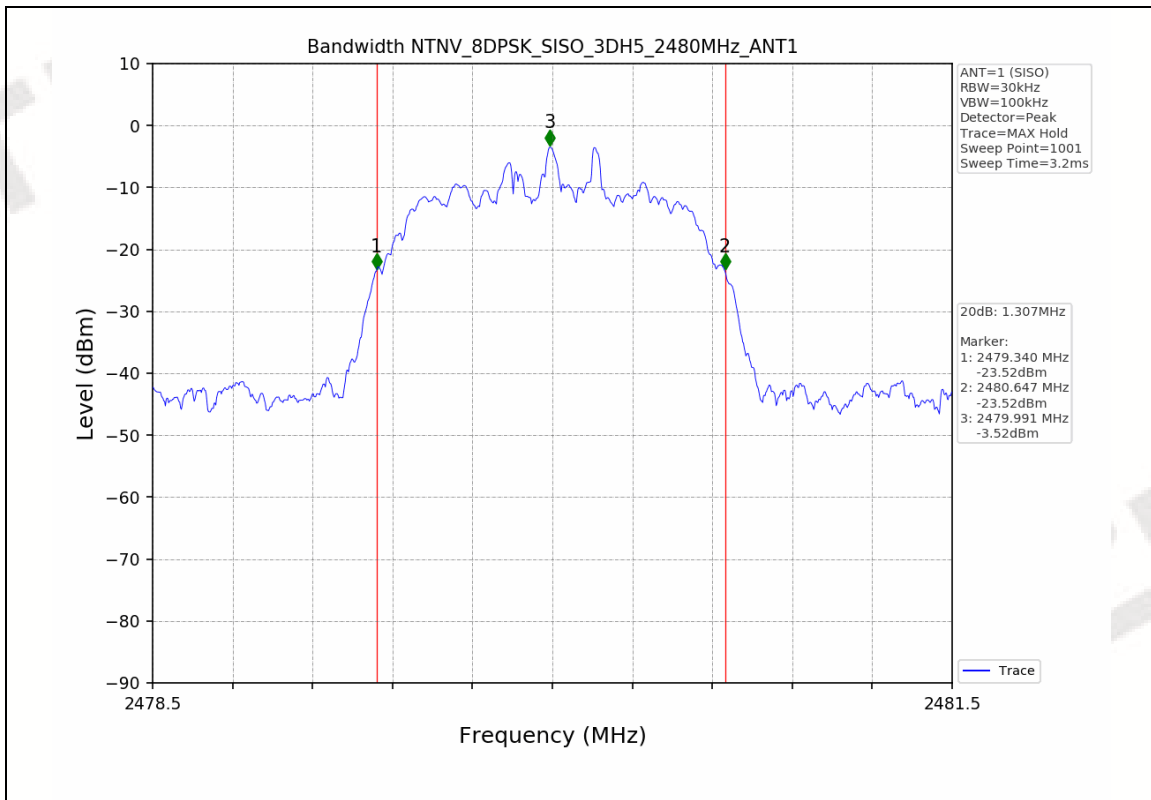




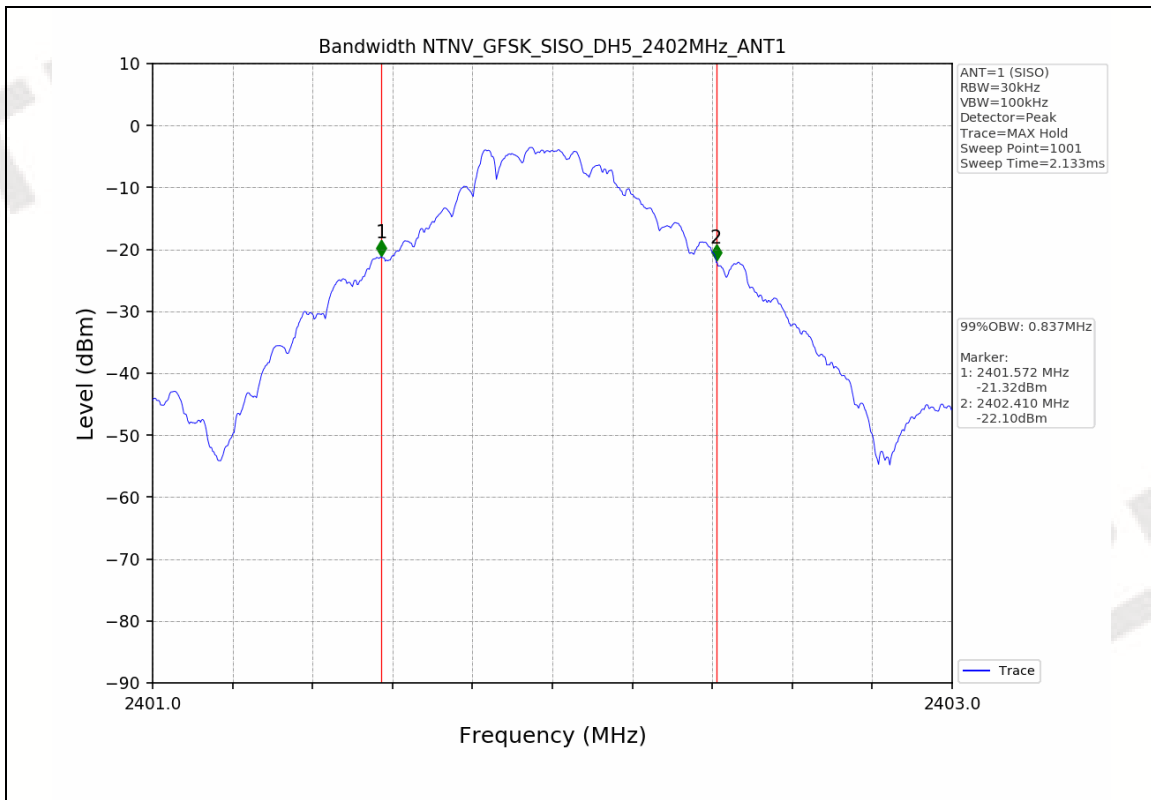


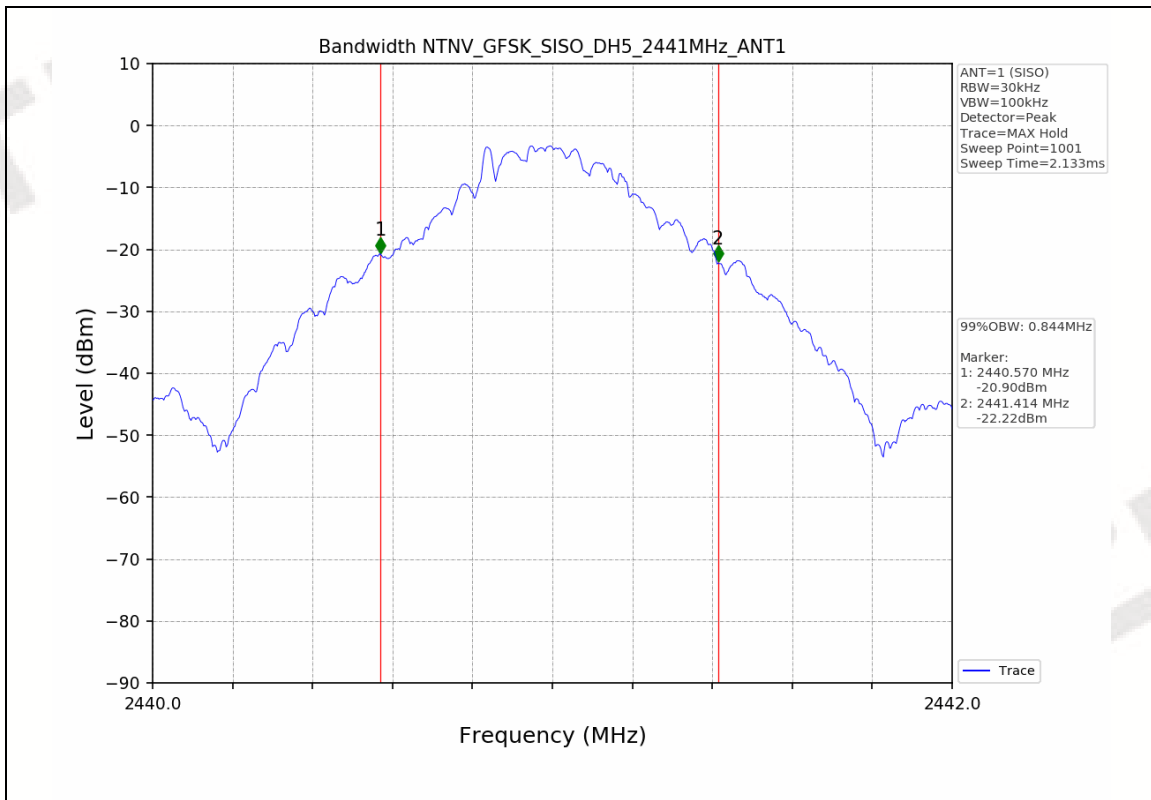


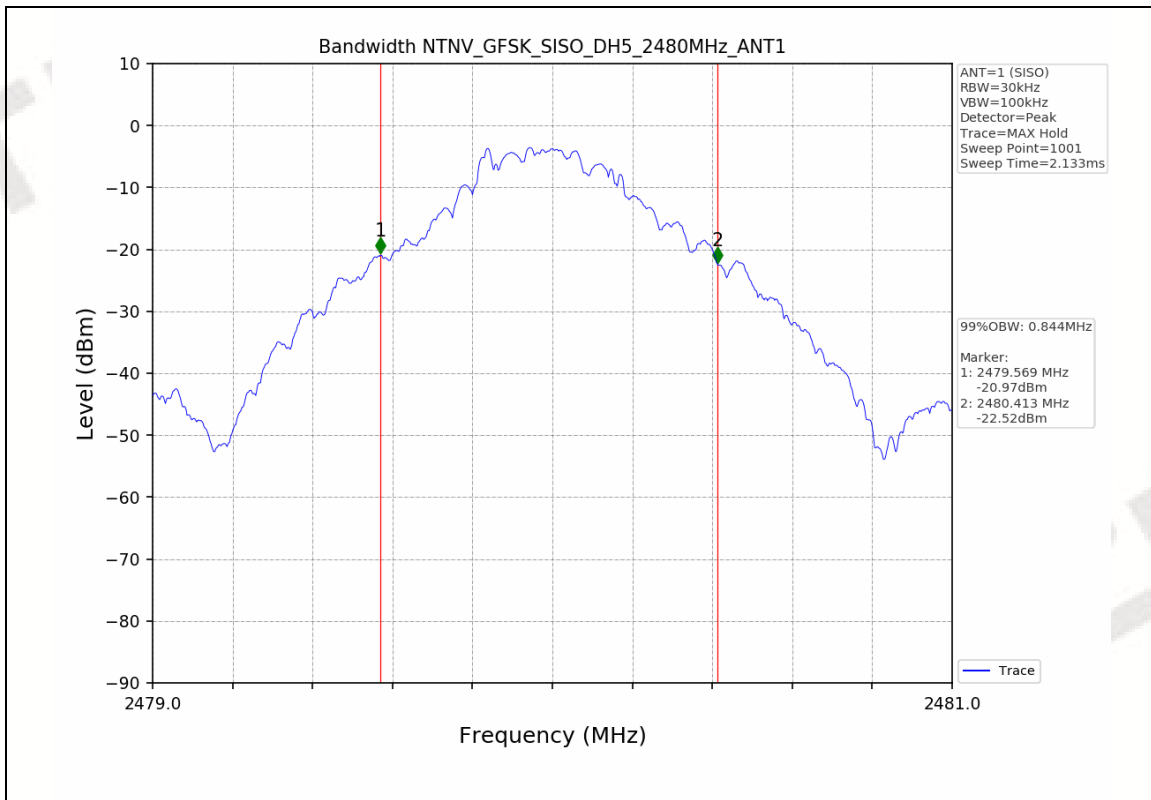


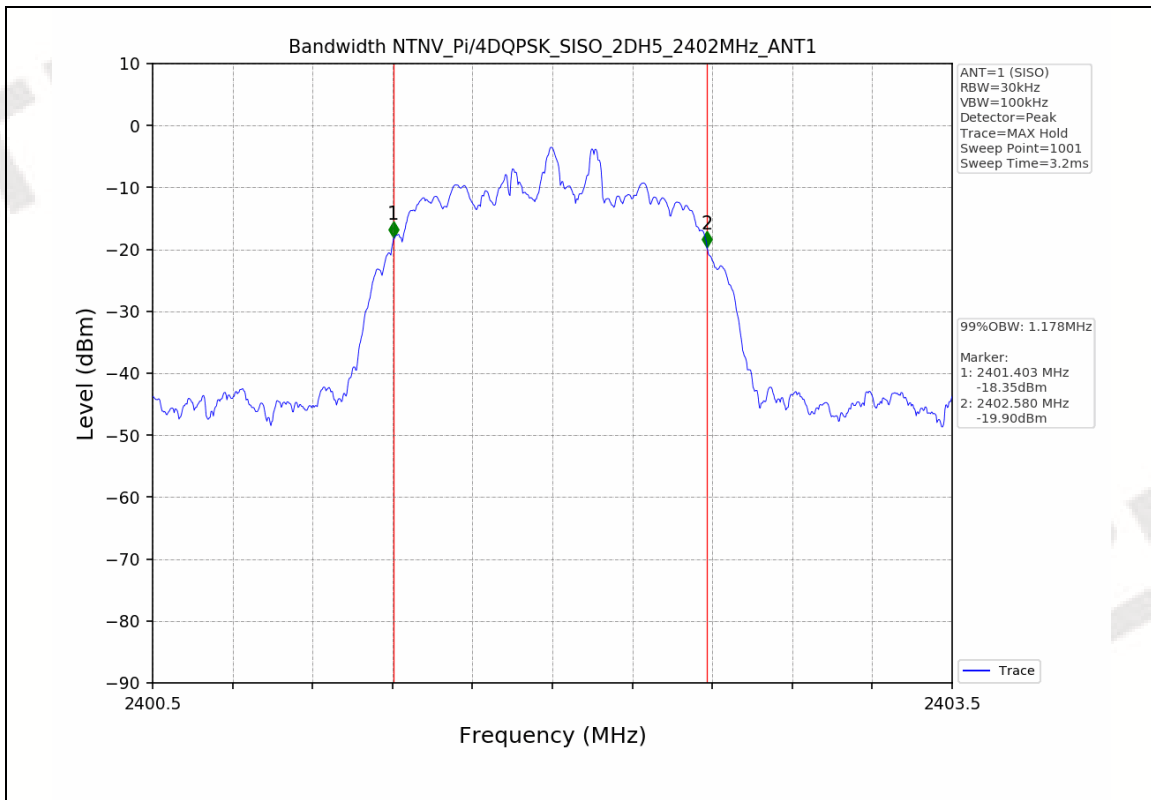


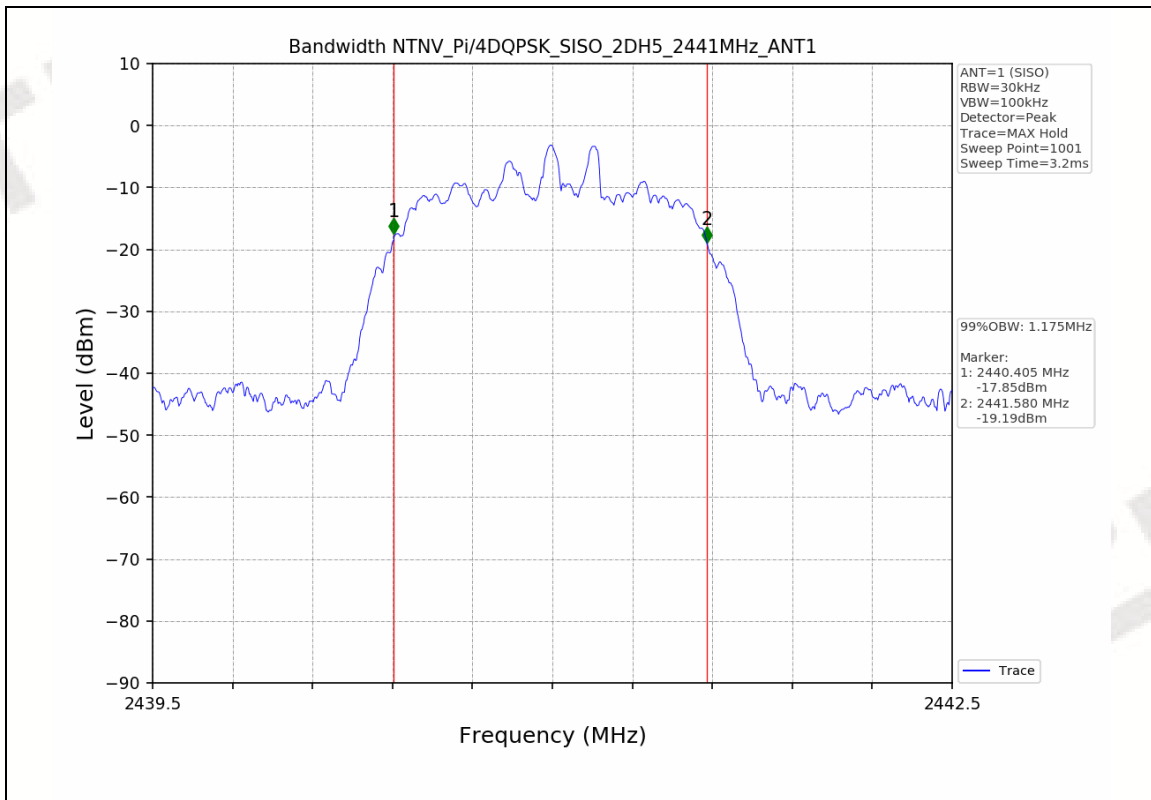
1.3 Test Graph - 99% Occupied Bandwidth

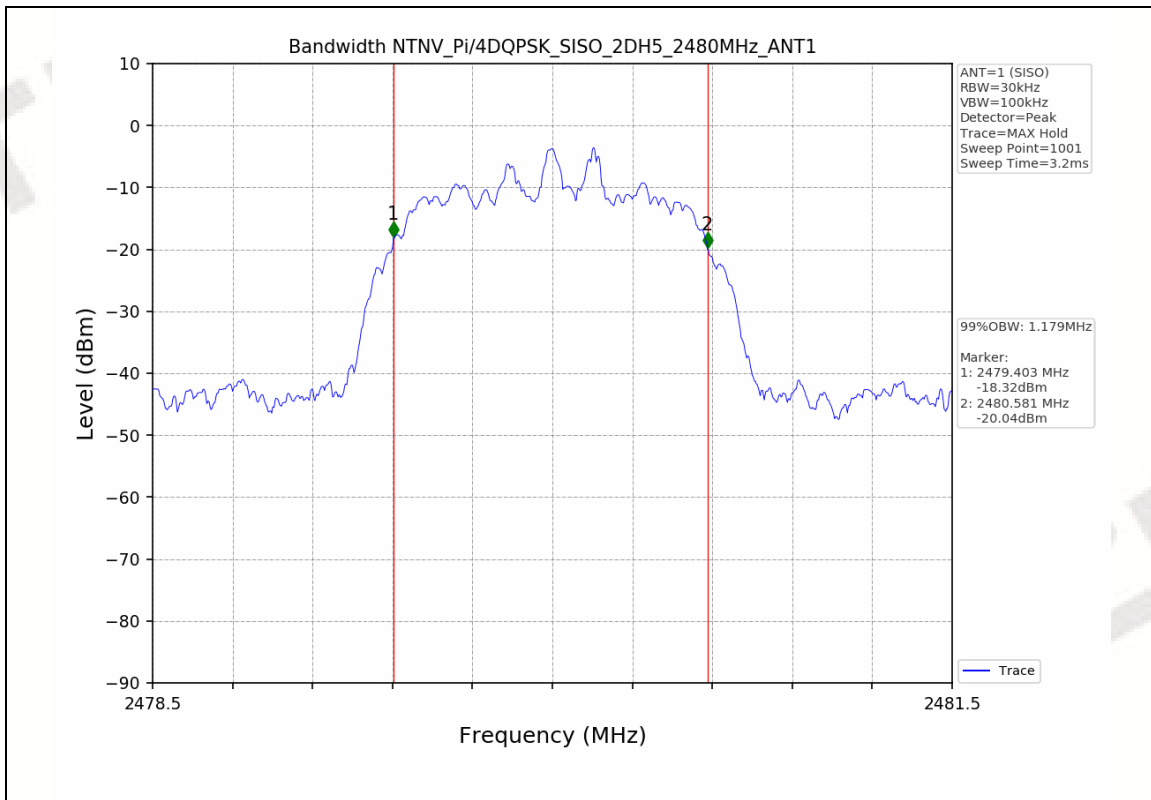


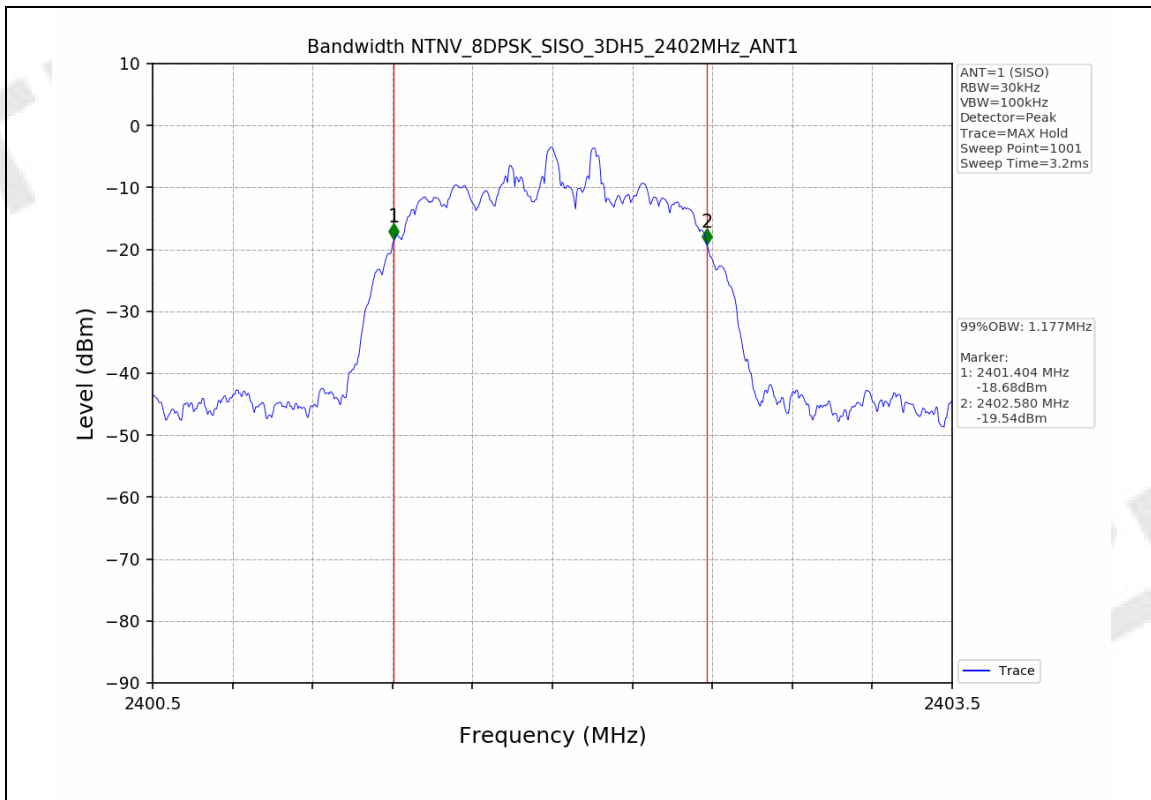


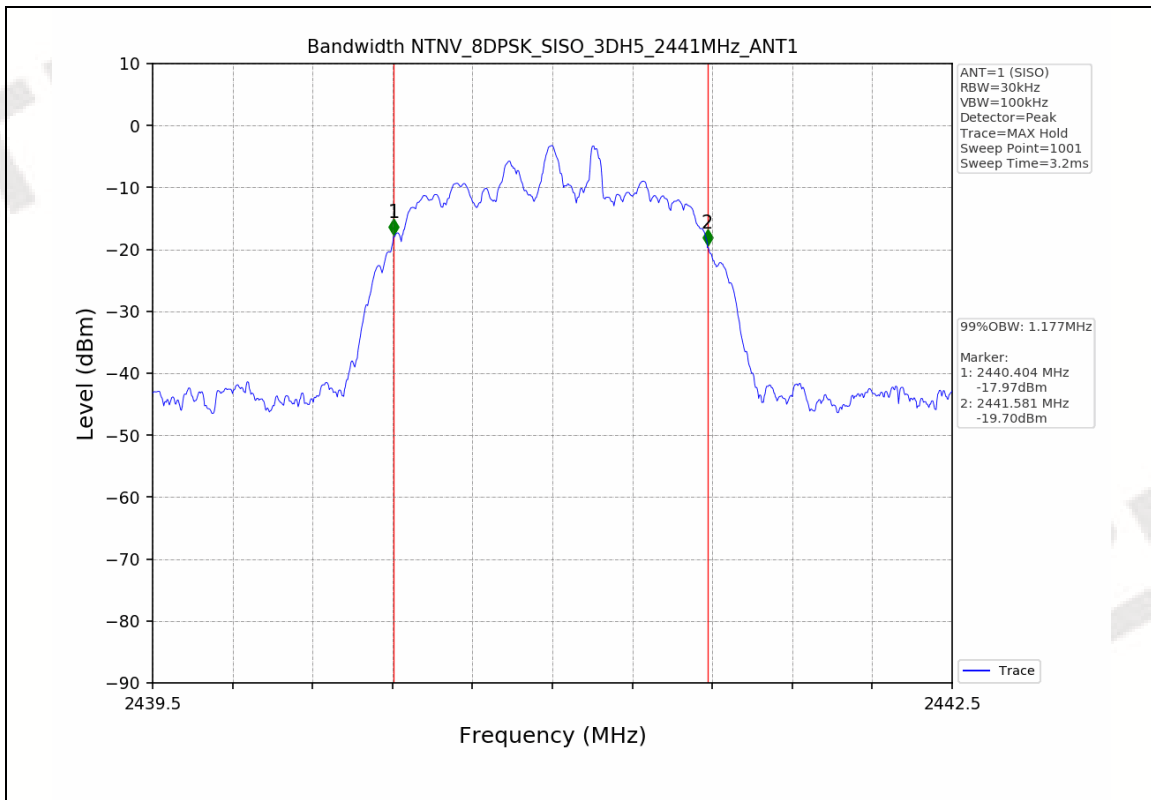


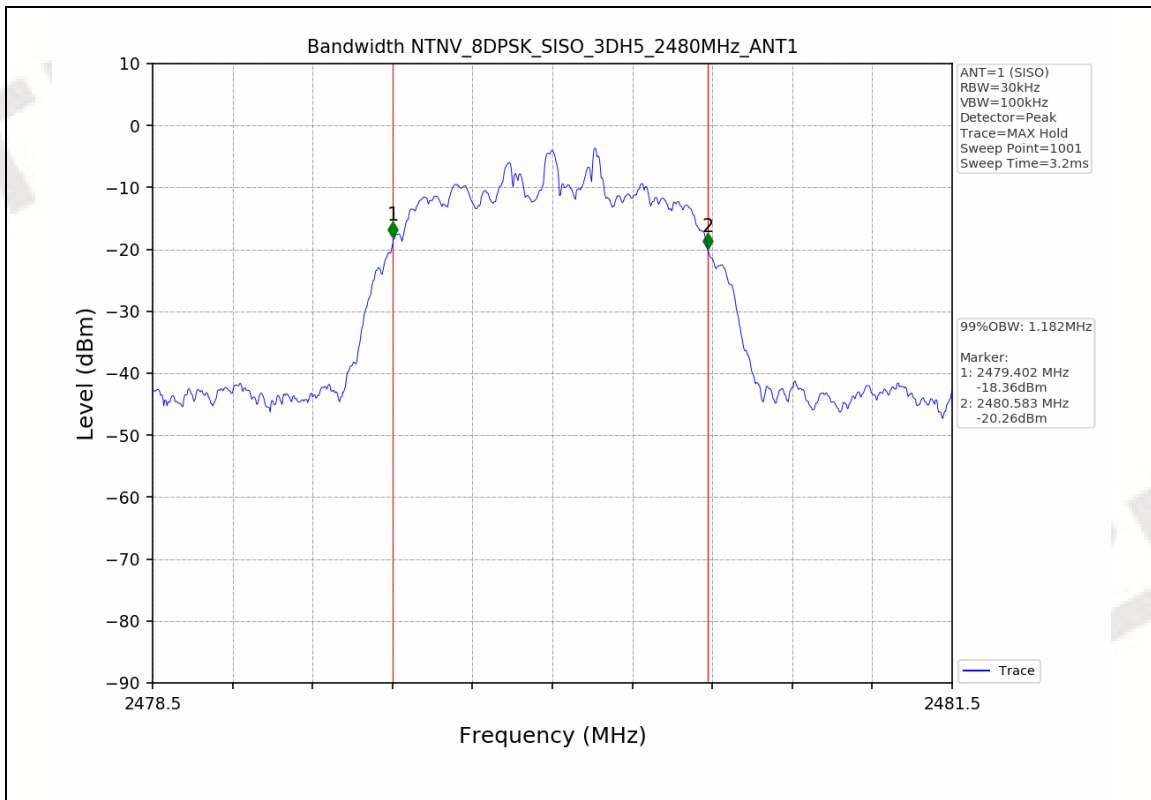












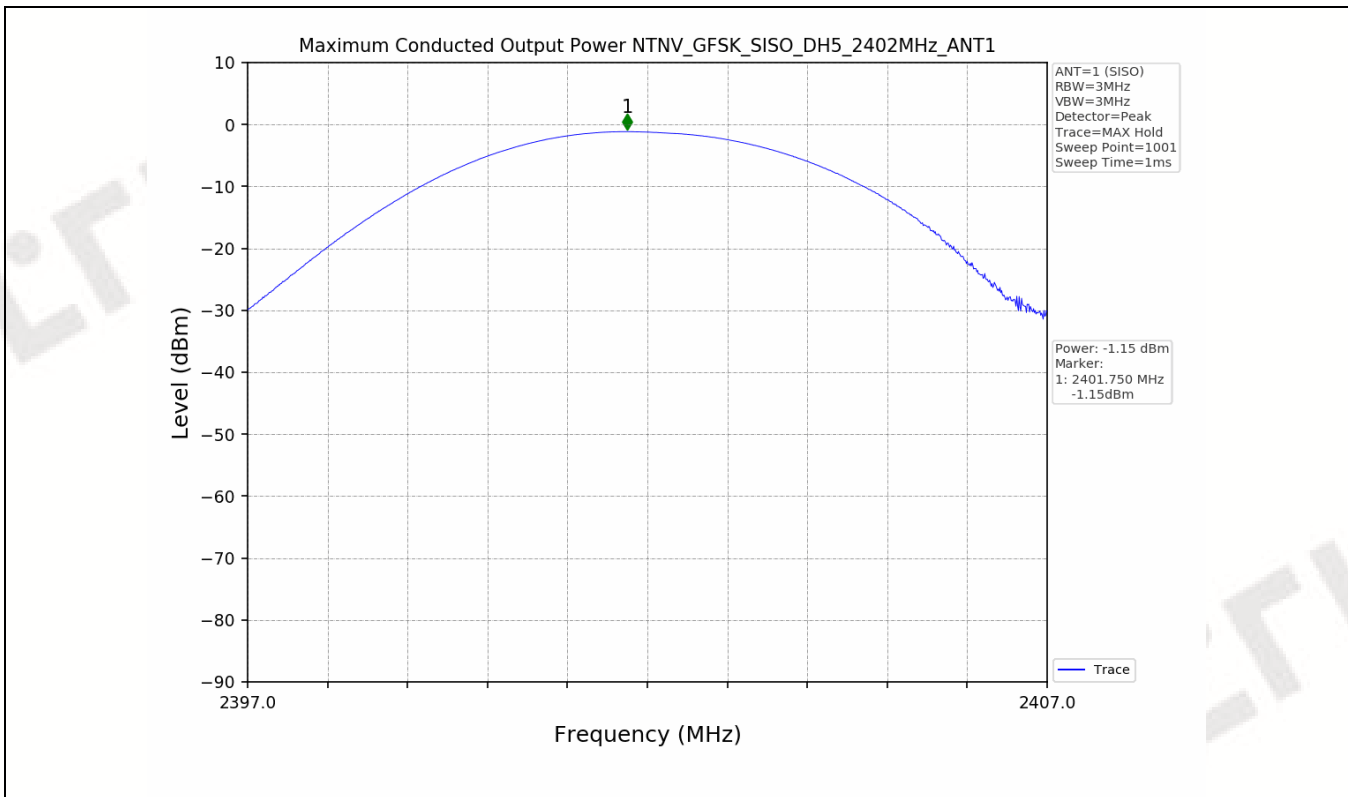


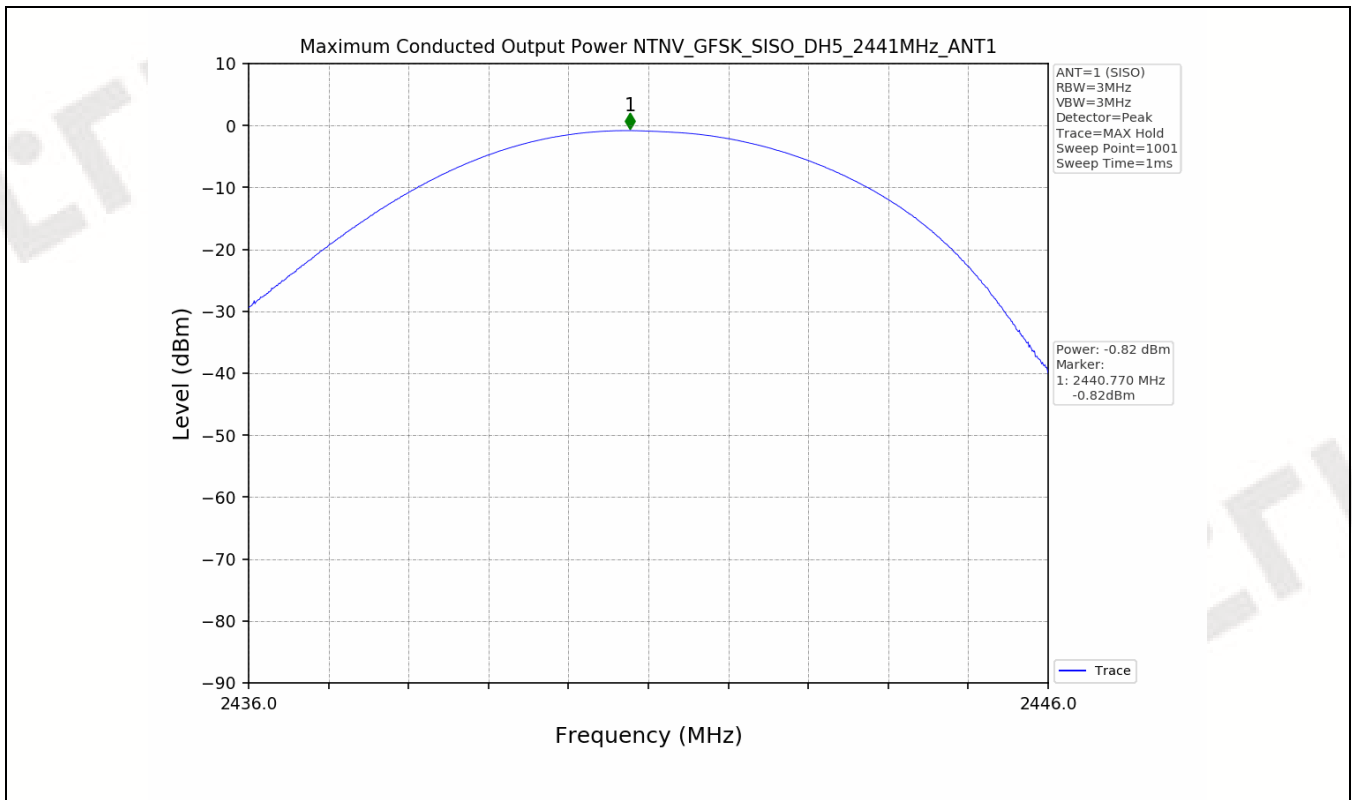
2. Maximum Conducted Output Power

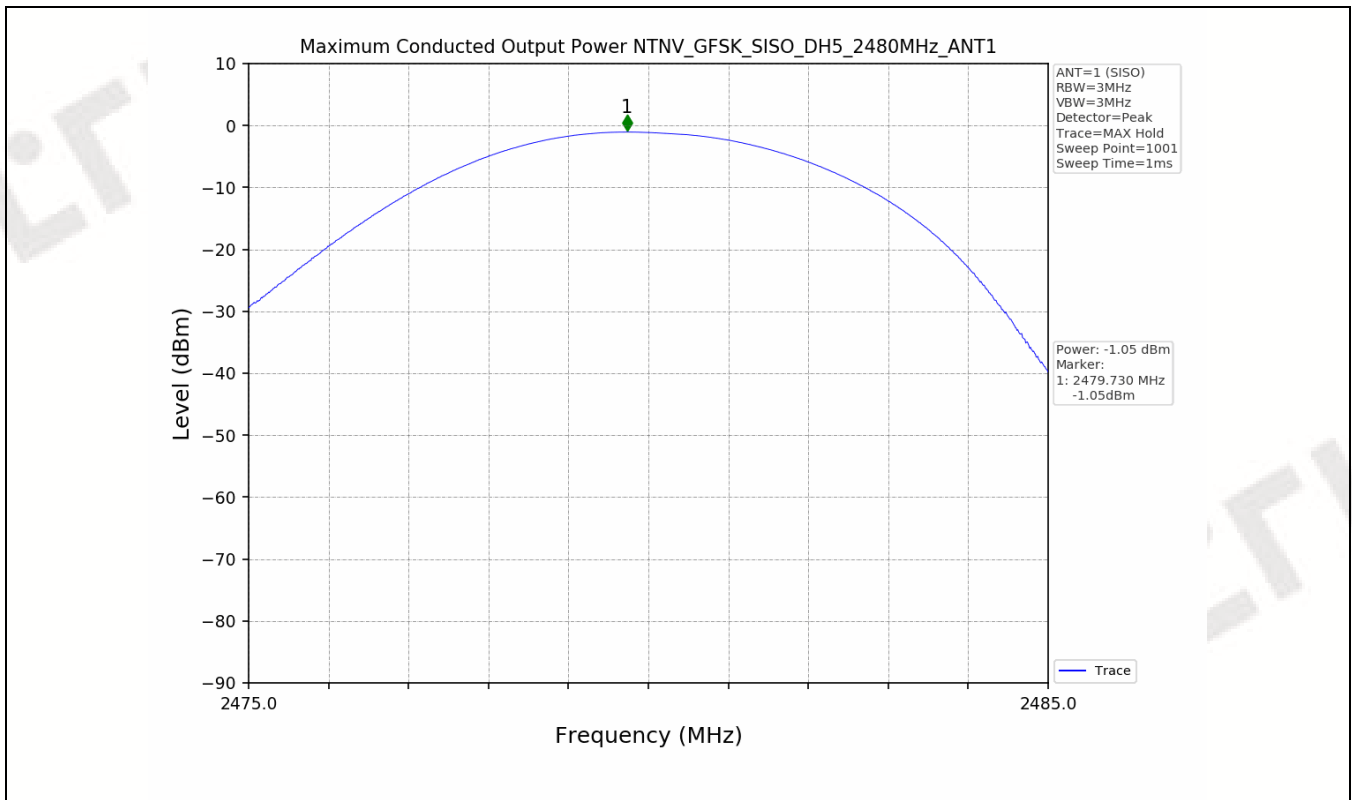
2.1 Test Result

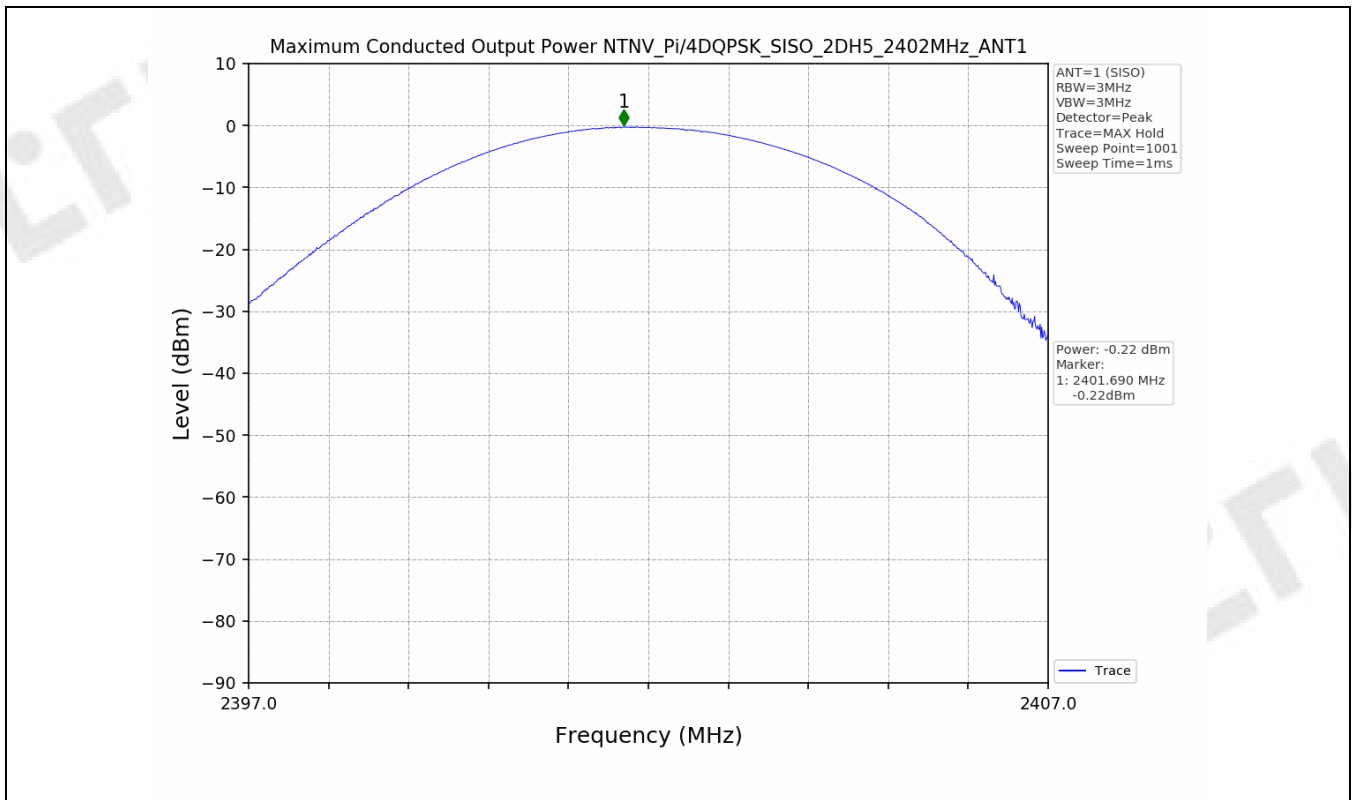
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-1.15	30	PASS
	2441	SISO	-0.82	30	PASS
	2480	SISO	-1.05	30	PASS
Pi/4DQPSK	2402	SISO	-0.22	20.97	PASS
	2441	SISO	0.03	20.97	PASS
	2480	SISO	-0.25	20.97	PASS
8DPSK	2402	SISO	-0.20	20.97	PASS
	2441	SISO	0.05	20.97	PASS
	2480	SISO	-0.23	20.97	PASS

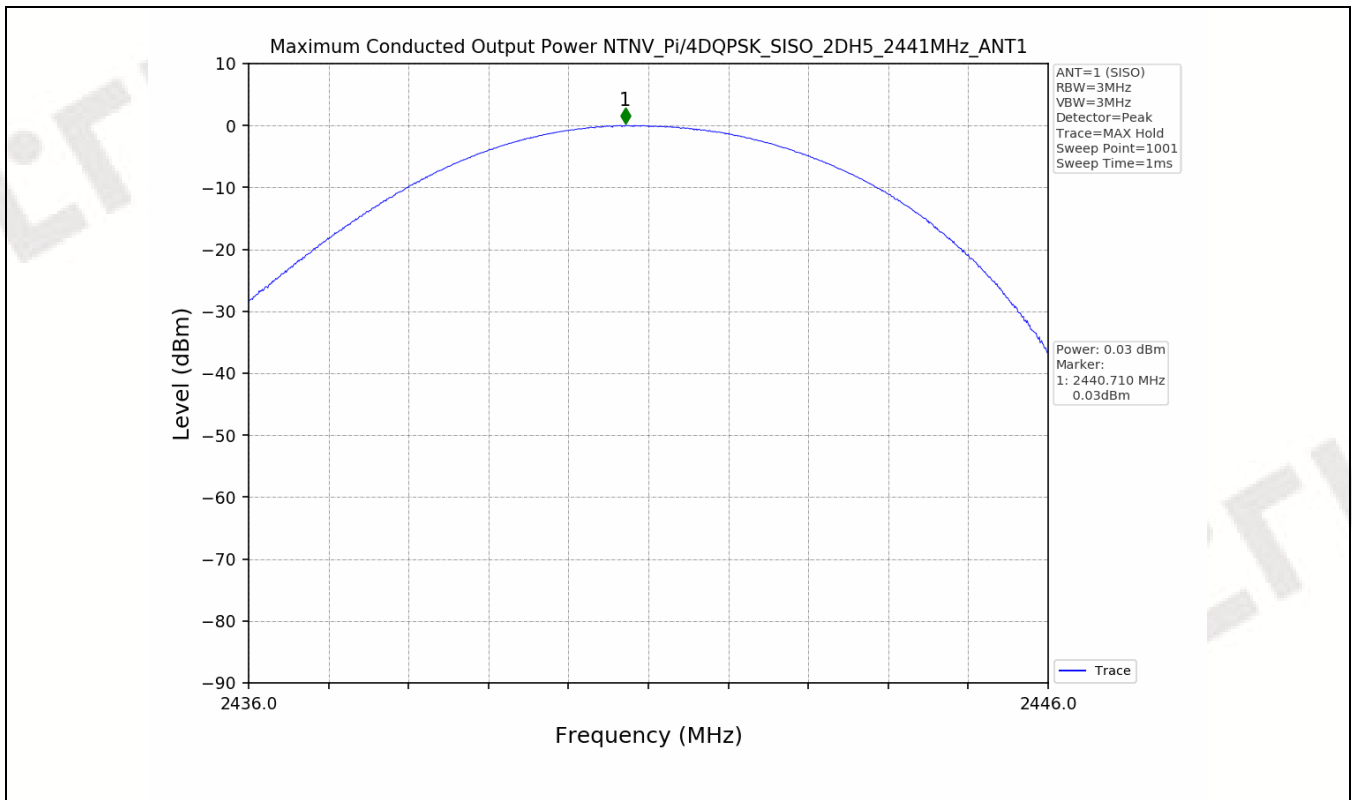
2.2 Test Graph

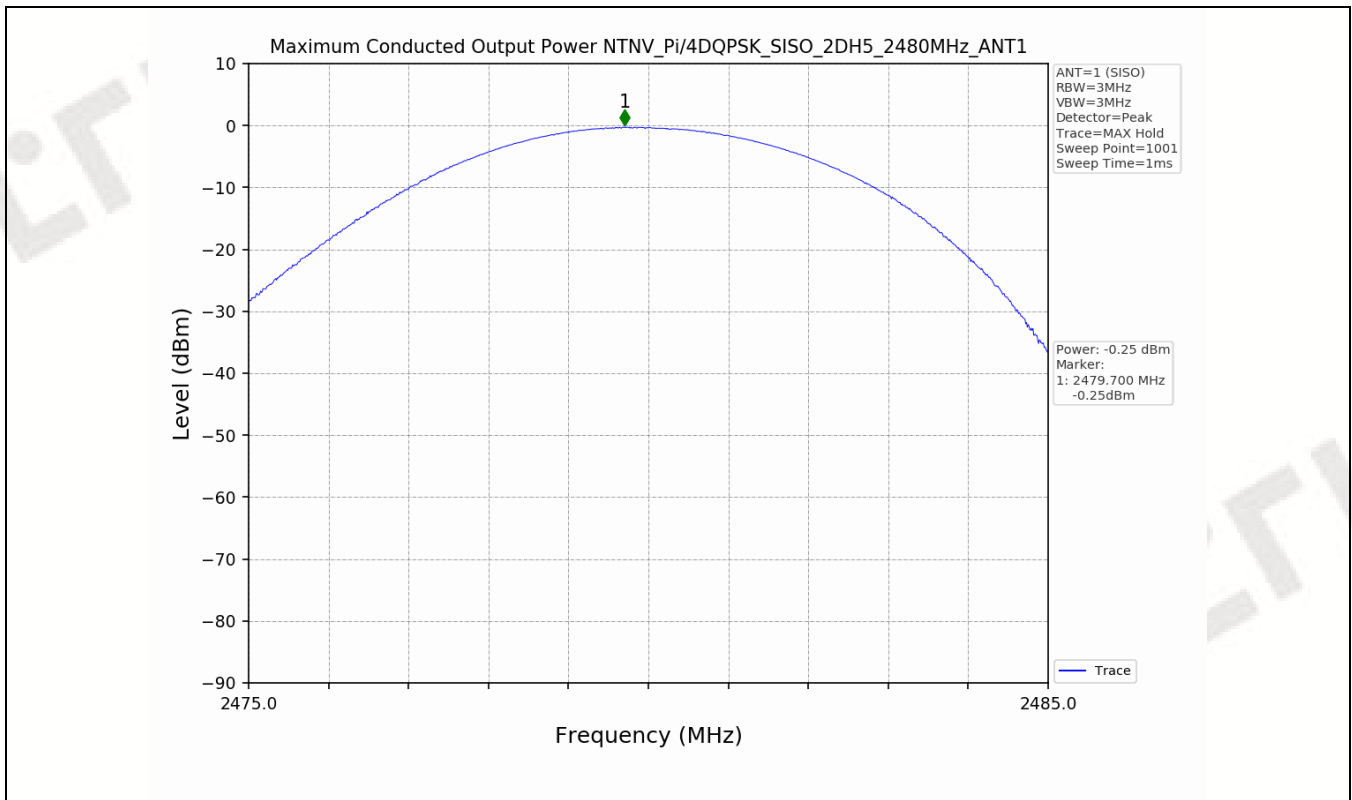


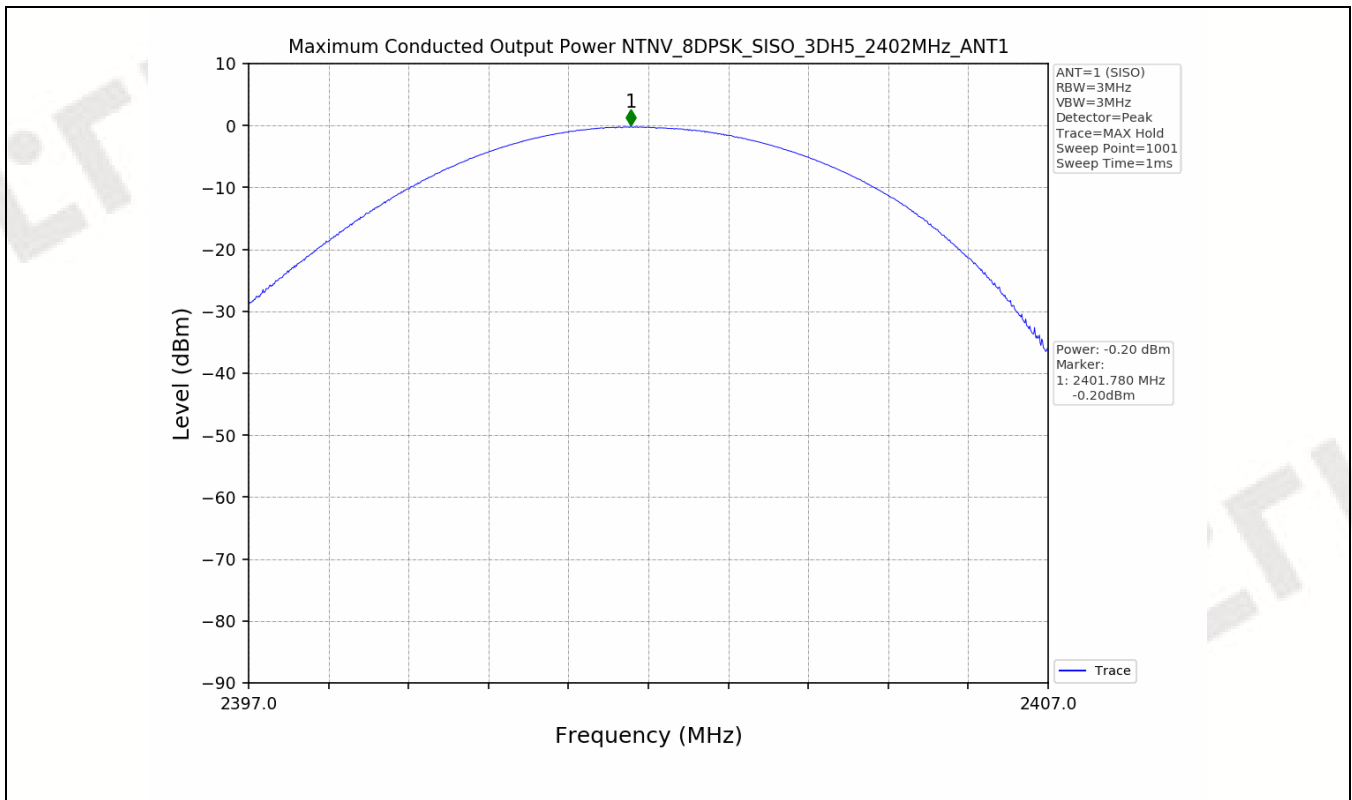


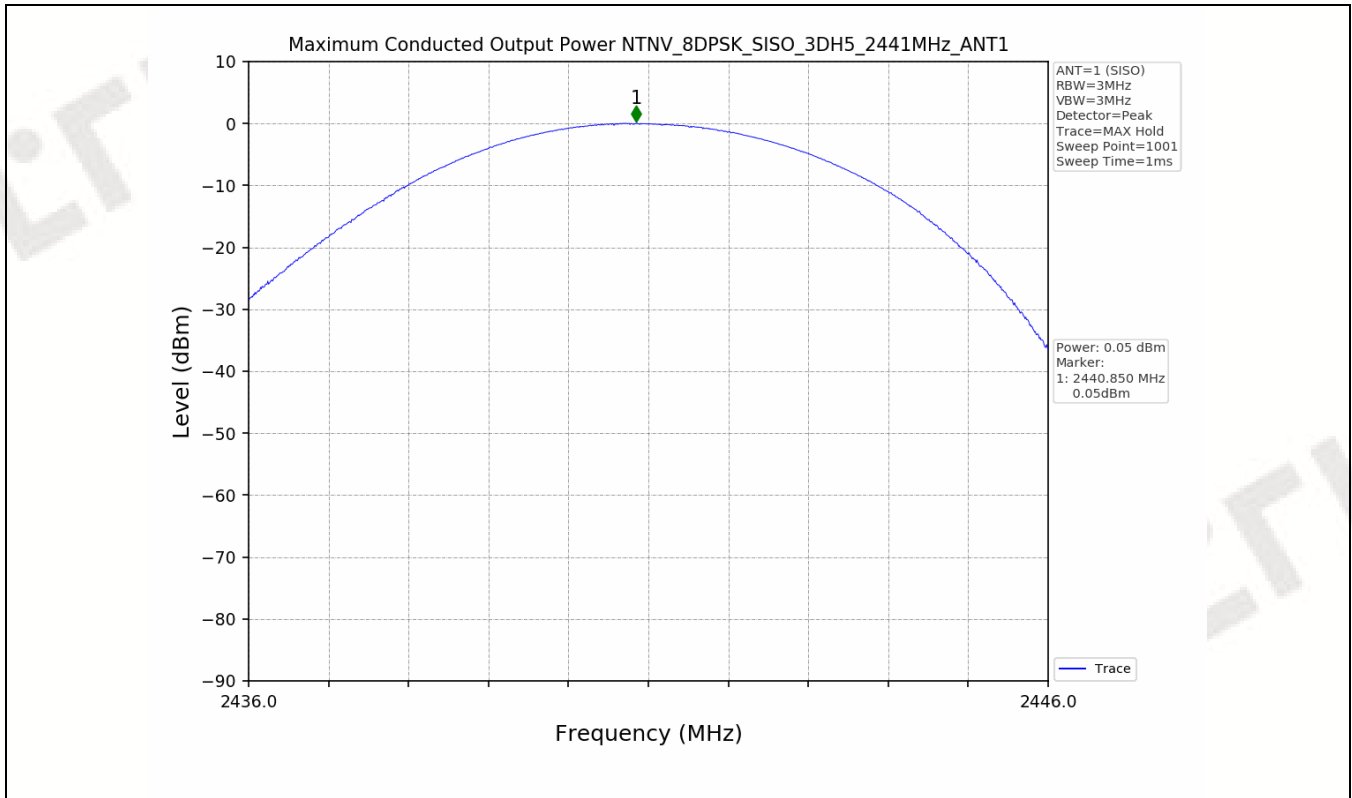


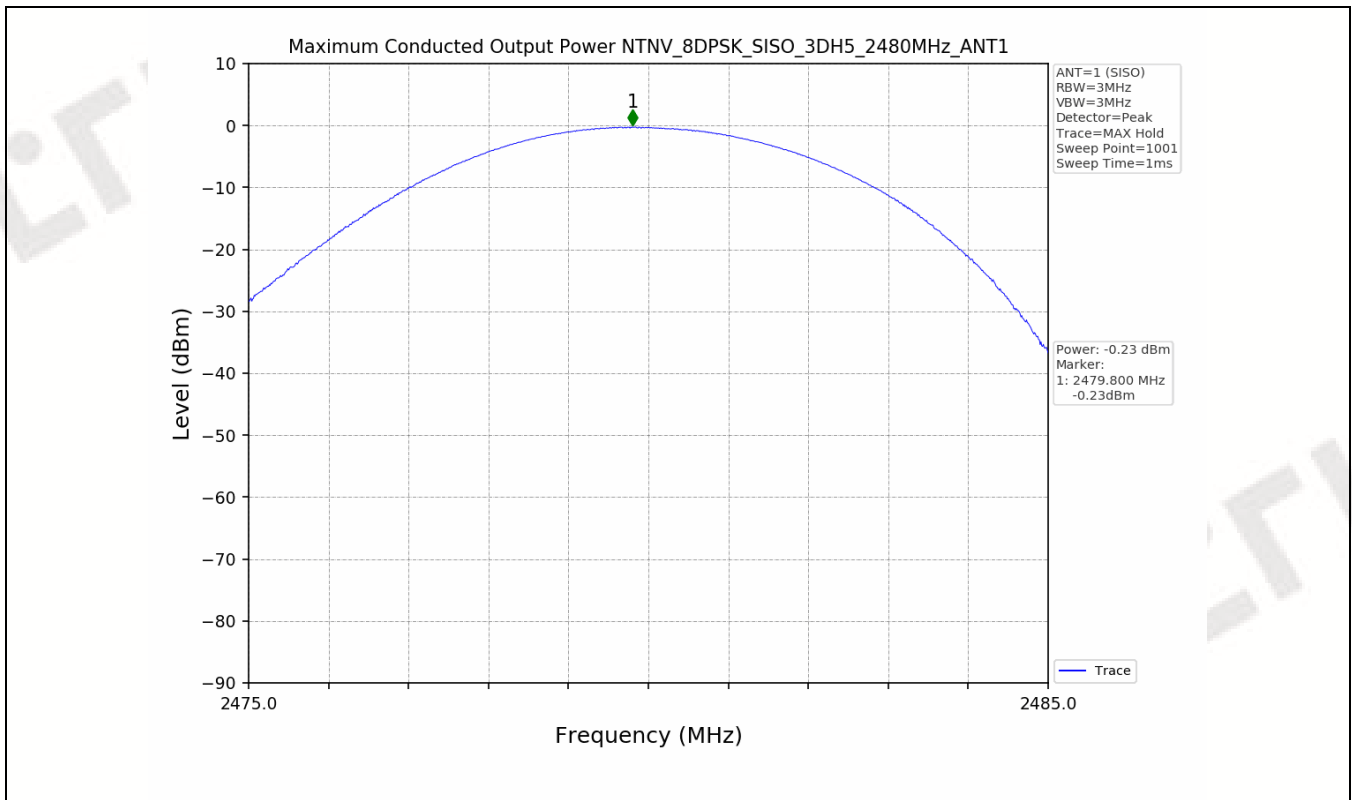












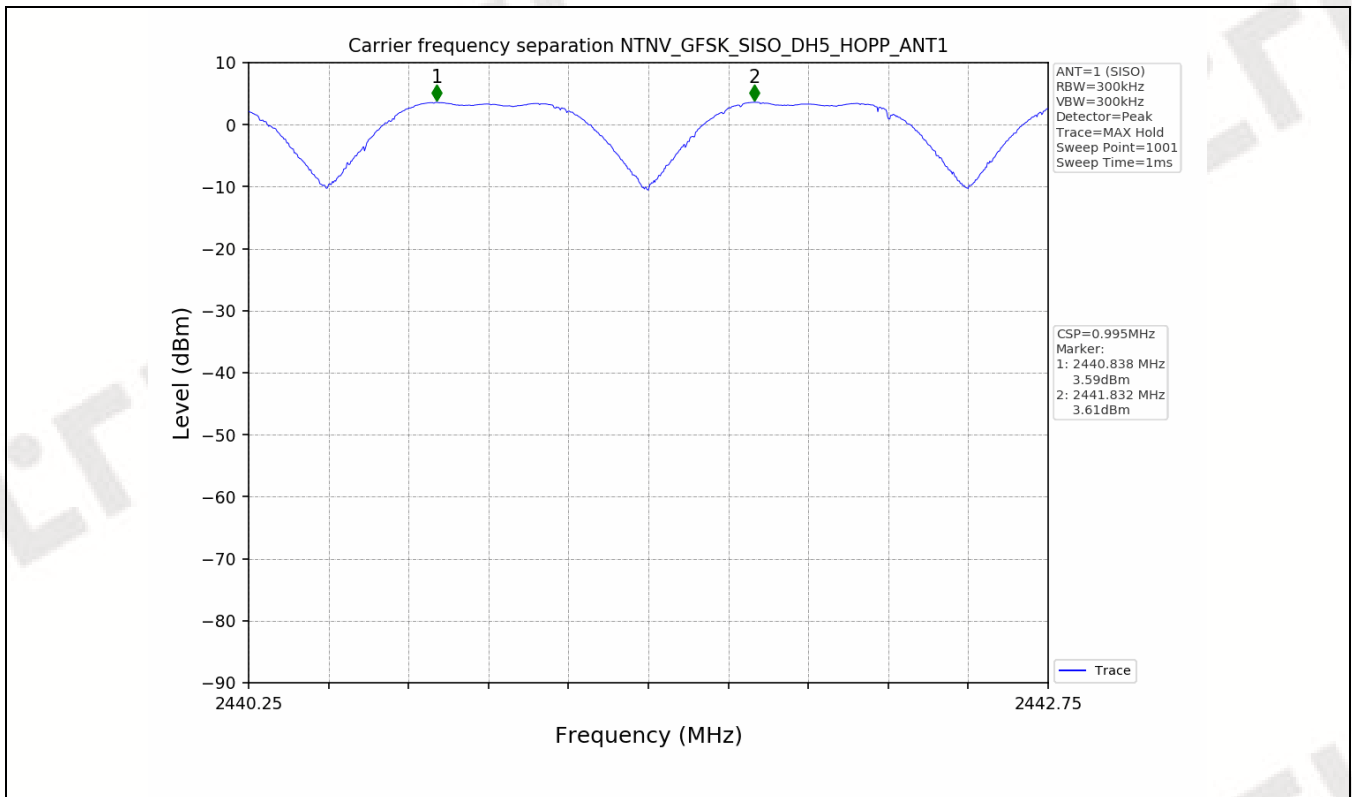


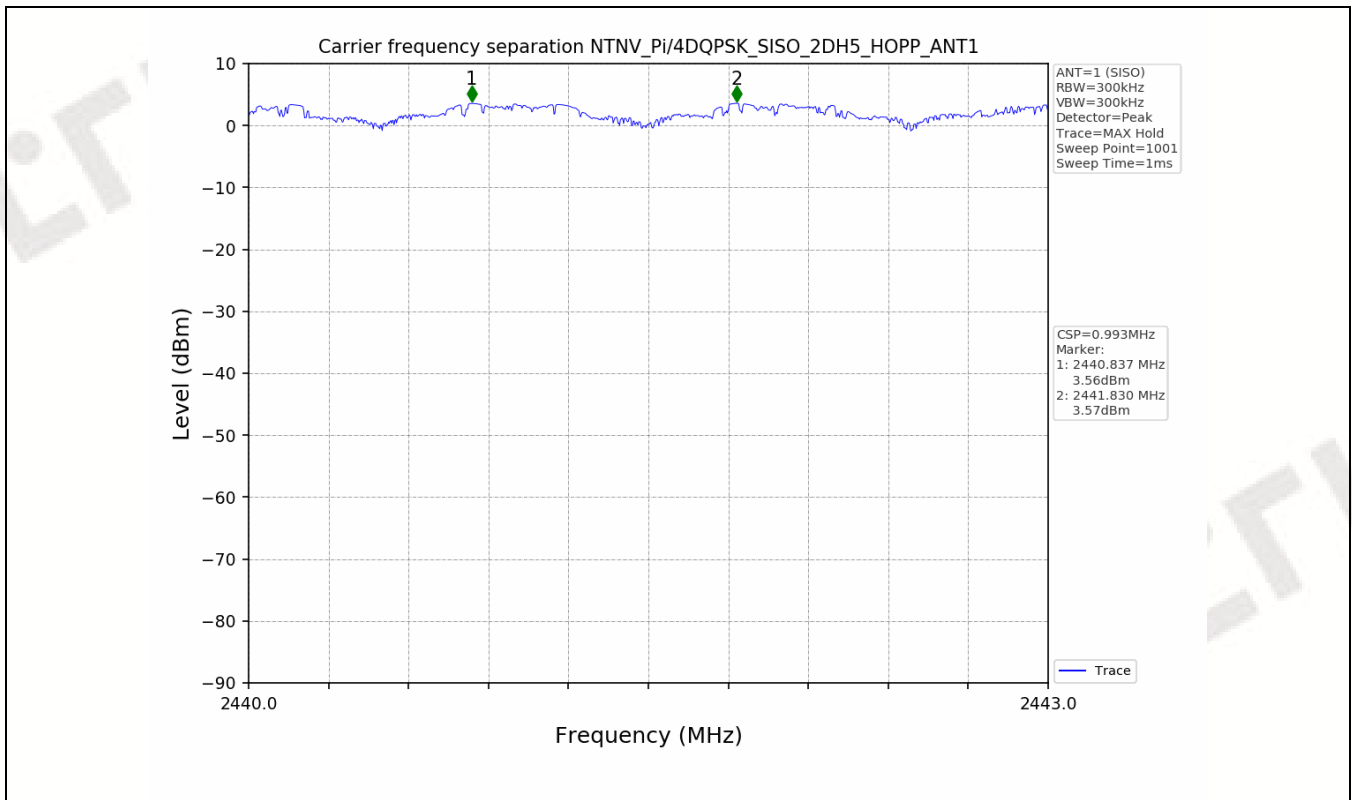
3. Carrier frequency separation

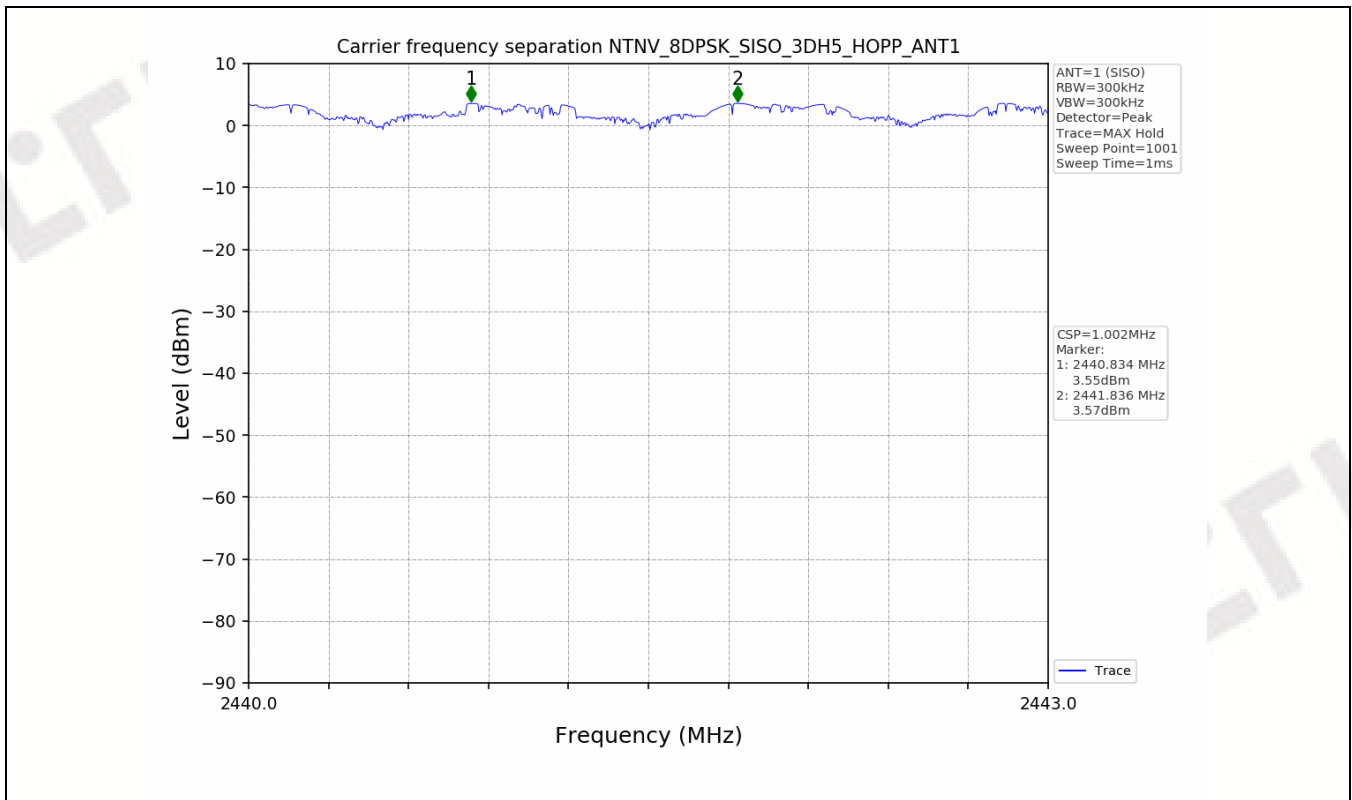
3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	0.995	0.952	≥ 0.952	PASS
Pi/4DQPSK	SISO	1	0.993	1.324	≥ 0.883	PASS
8DPSK	SISO	1	1.002	1.310	≥ 0.873	PASS

3.2 Test Graph







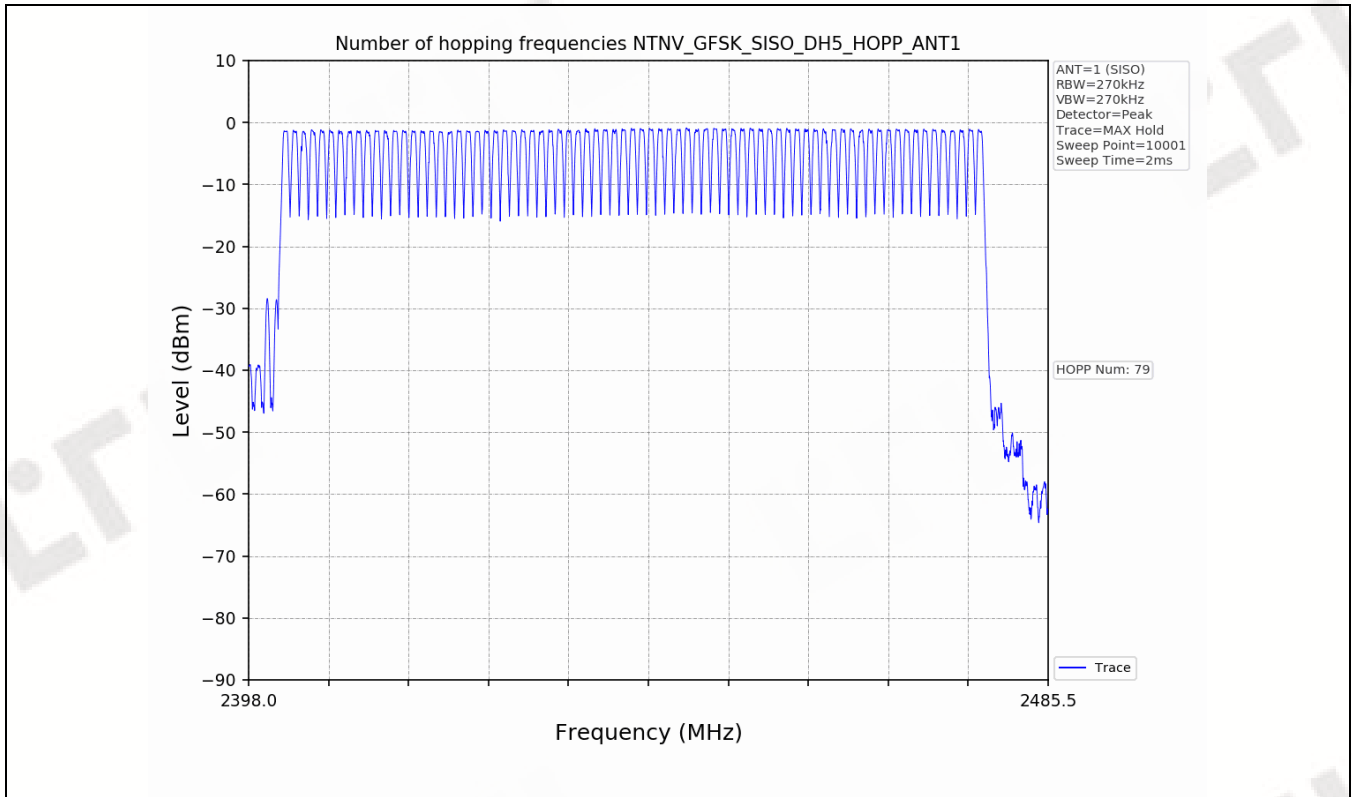


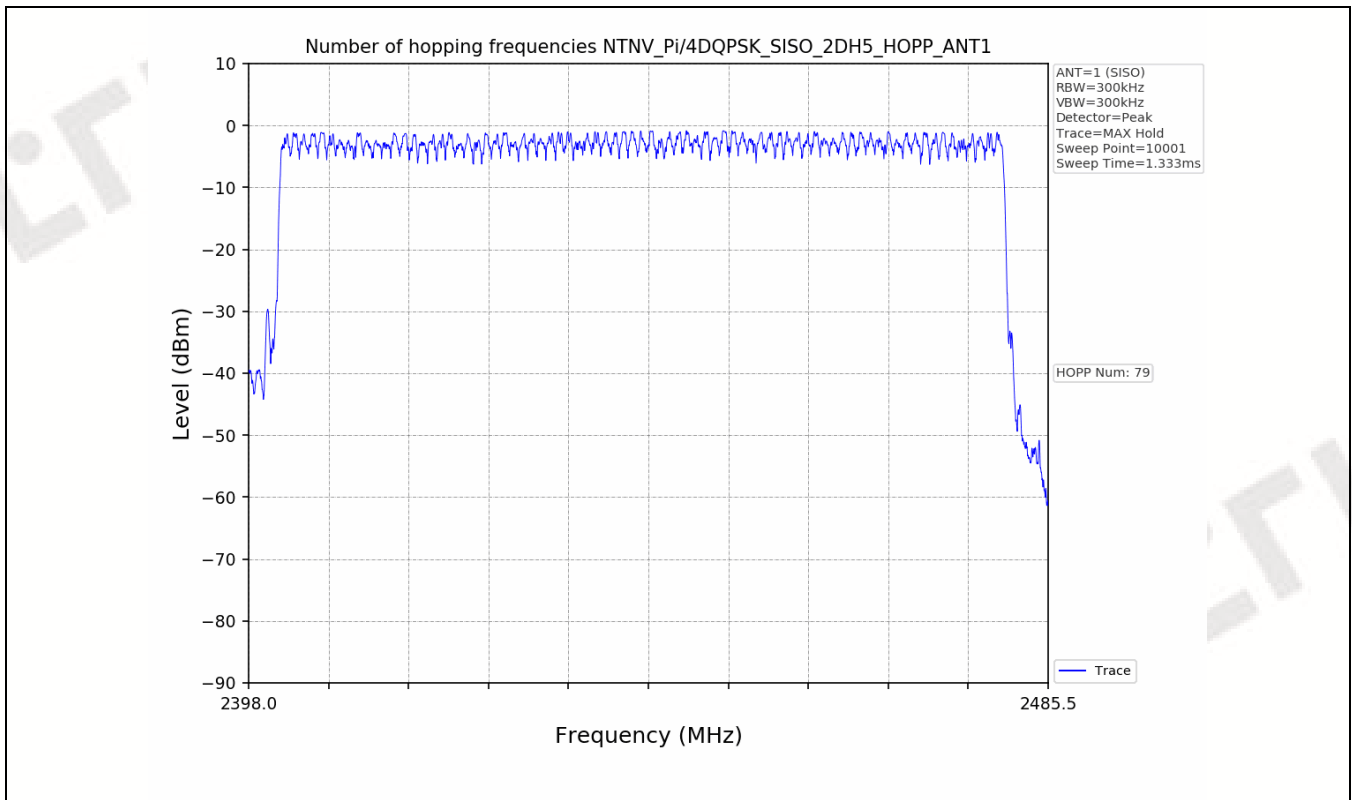
4. Number of hopping frequencies

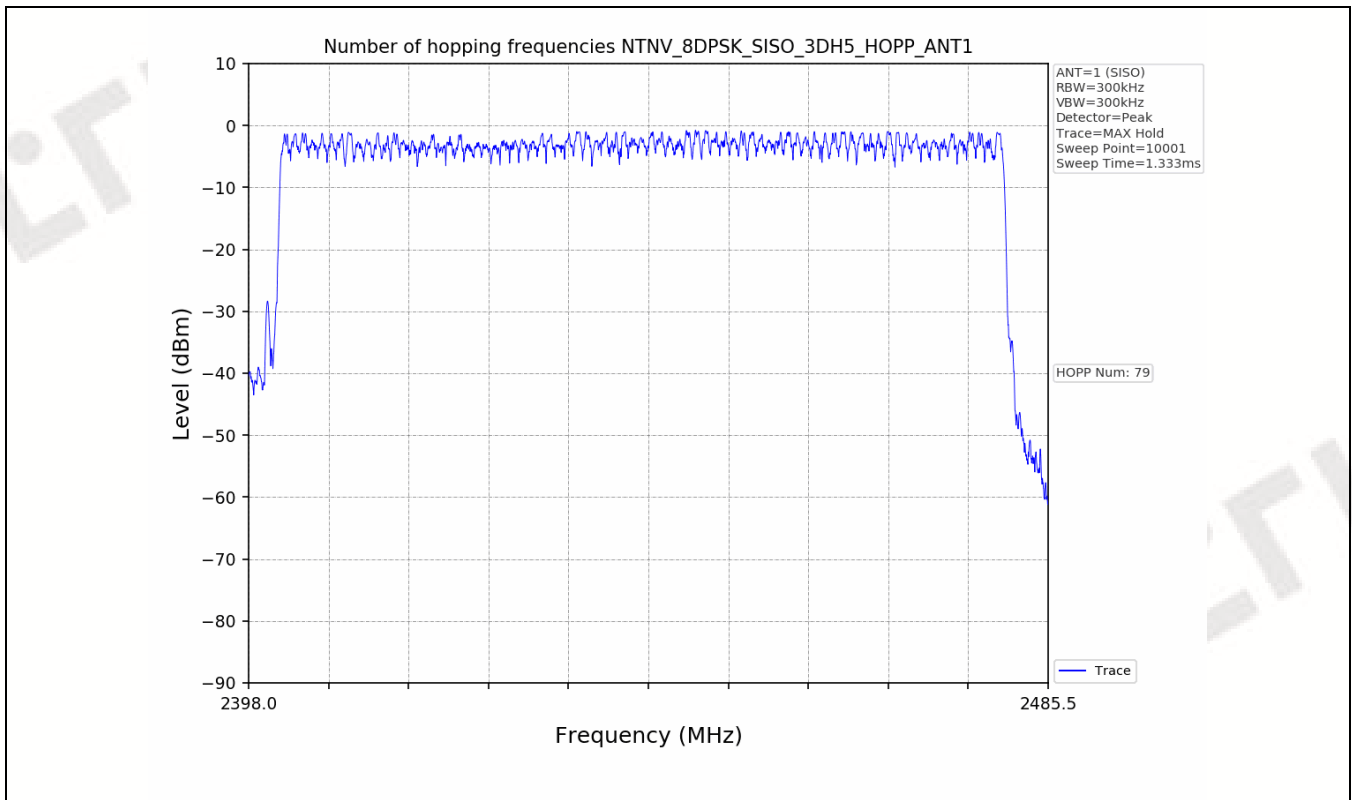
4.1 Test Result

Test Mode	TX Type	ANT No.	Num of Hopping Frequencies	Limits	Verdict
GFSK	SISO	1	79	≥ 15	PASS
PSK4DQPSK	SISO	1	79	≥ 15	PASS
8DPSK	SISO	1	79	≥ 15	PASS

4.2 Test Graph







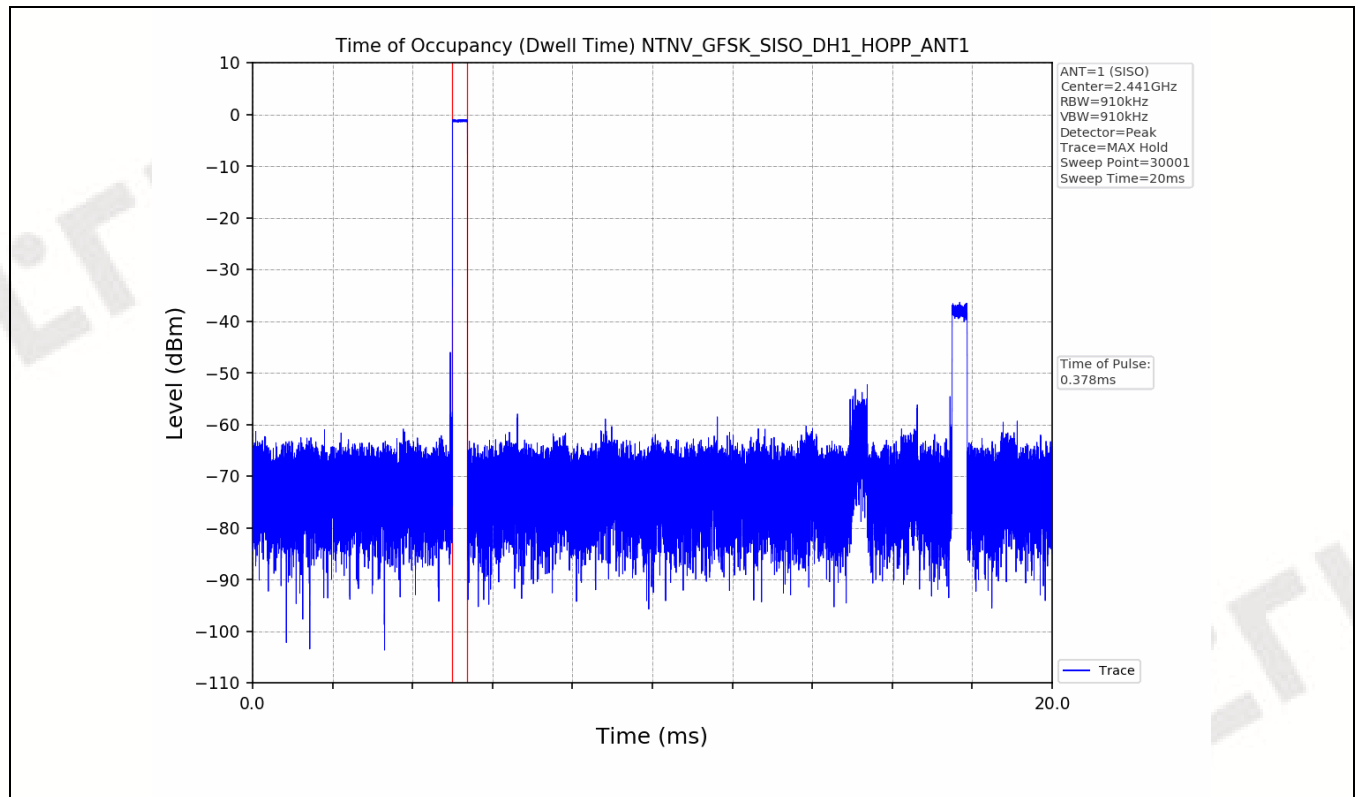


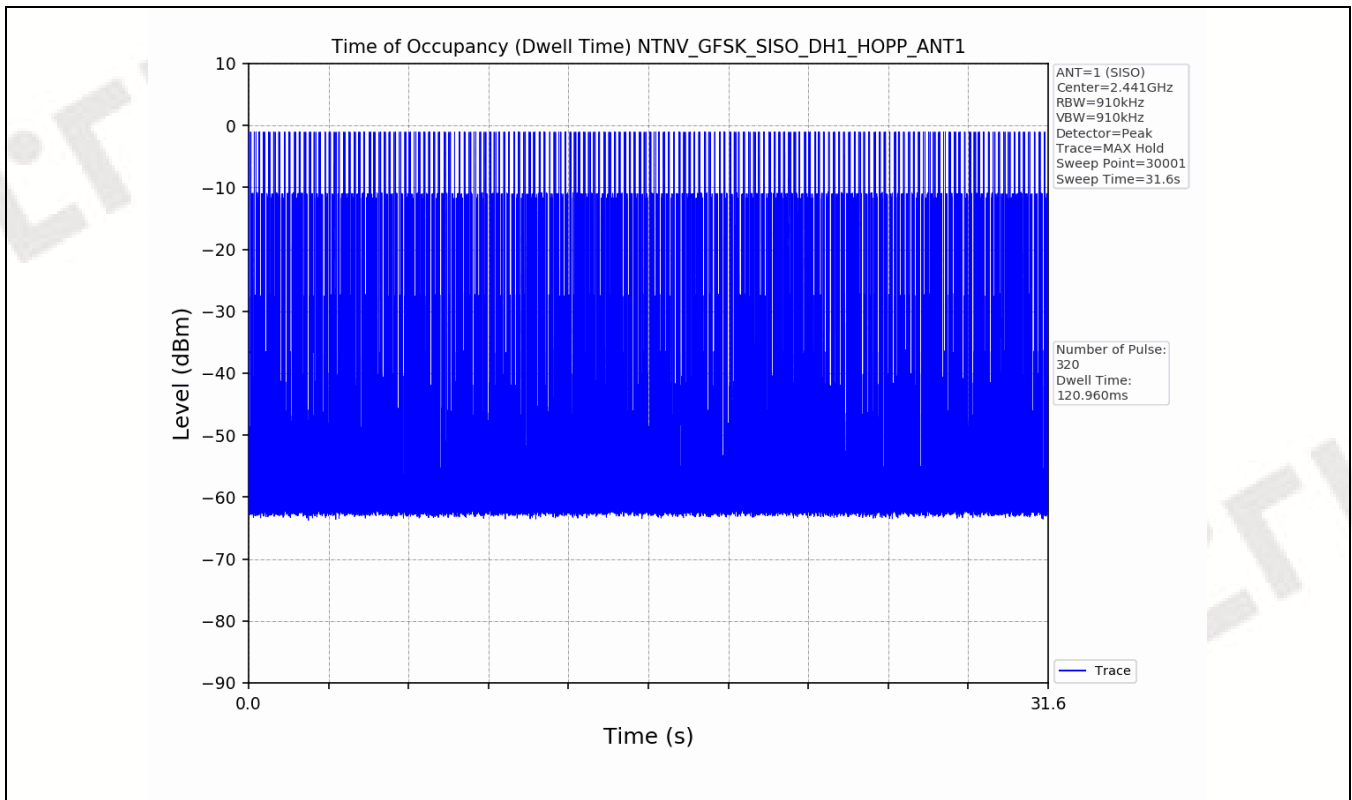
5. Time of Occupancy (Dwell Time)

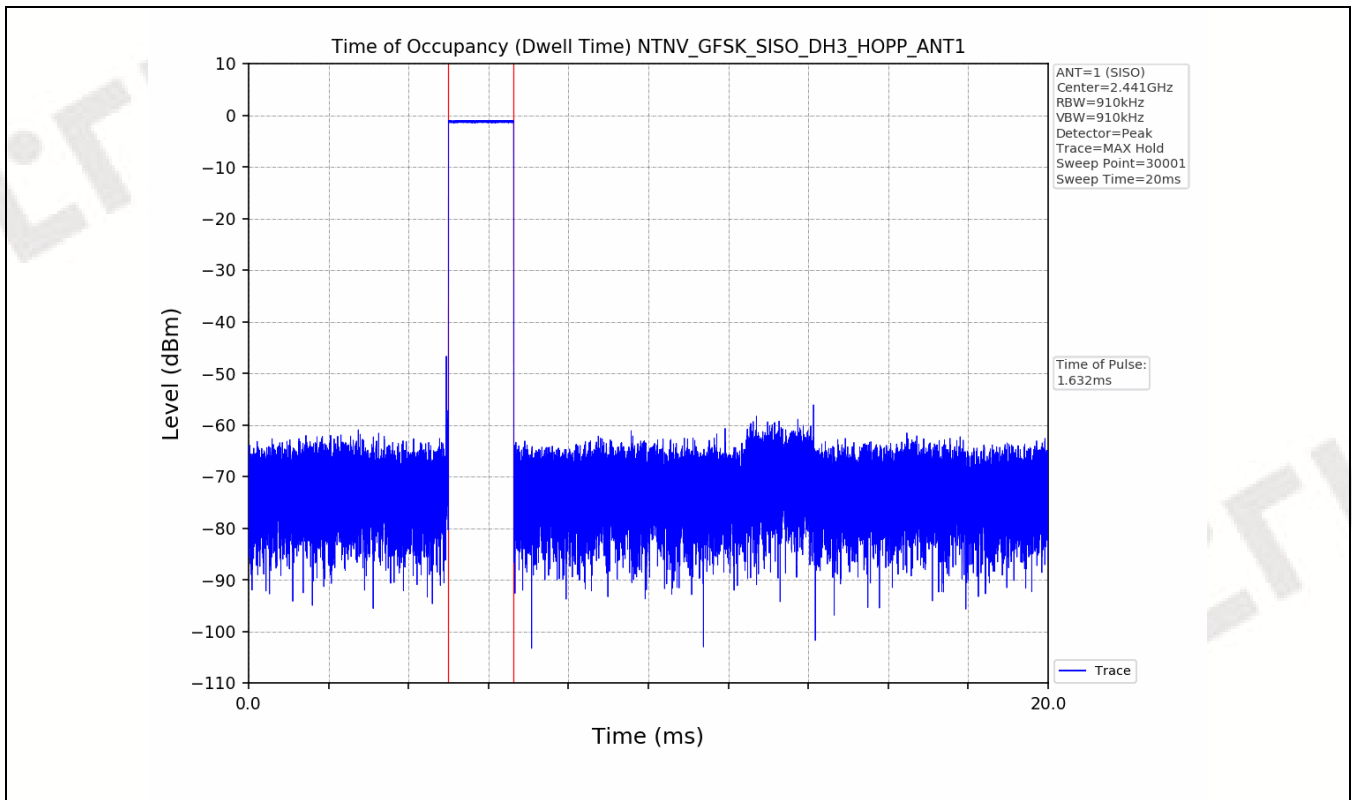
5.1 Test Result

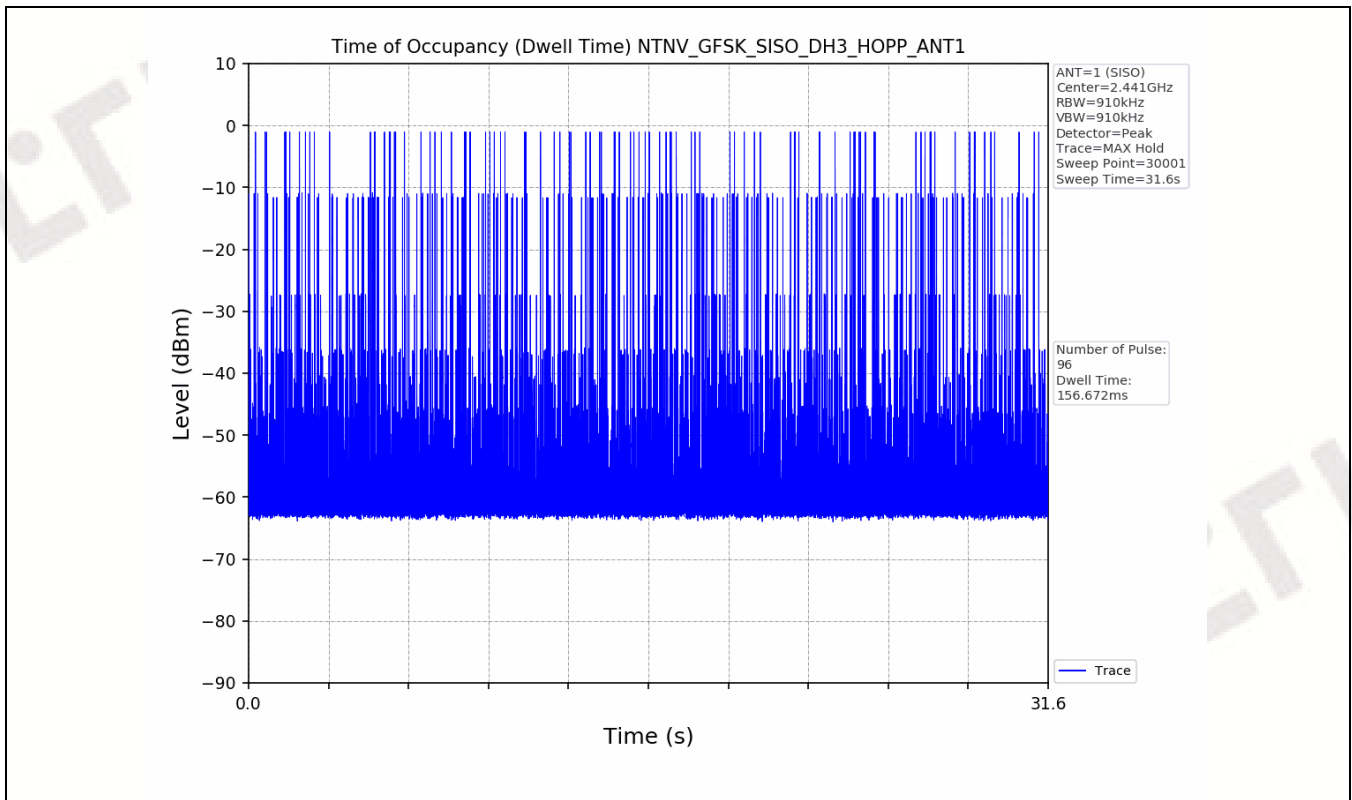
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.378	31.6	320	120.960	≤400	PASS
	DH3	SISO	1	1.632	31.6	96	156.672	≤400	PASS
	DH5	SISO	1	2.813	31.6	56	157.528	≤400	PASS
Pi/4DQ PSK	2DH1	SISO	1	0.389	31.6	320	124.480	≤400	PASS
	2DH3	SISO	1	1.594	31.6	104	165.776	≤400	PASS
	2DH5	SISO	1	2.887	31.6	71	204.977	≤400	PASS
8DPSK	3DH1	SISO	1	0.388	31.6	320	124.160	≤400	PASS
	3DH3	SISO	1	1.640	31.6	100	164.000	≤400	PASS
	3DH5	SISO	1	2.887	31.6	58	167.446	≤400	PASS

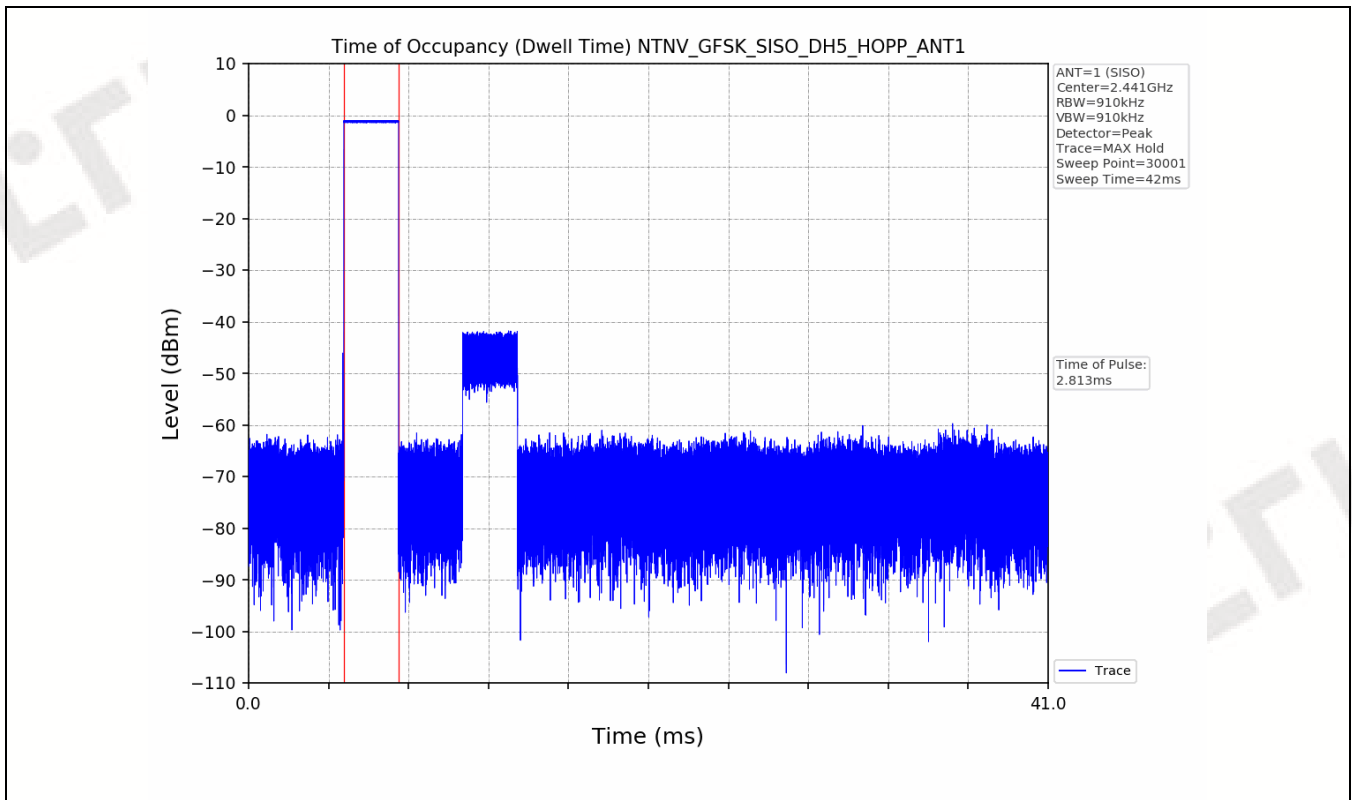
5.2 Test Graph

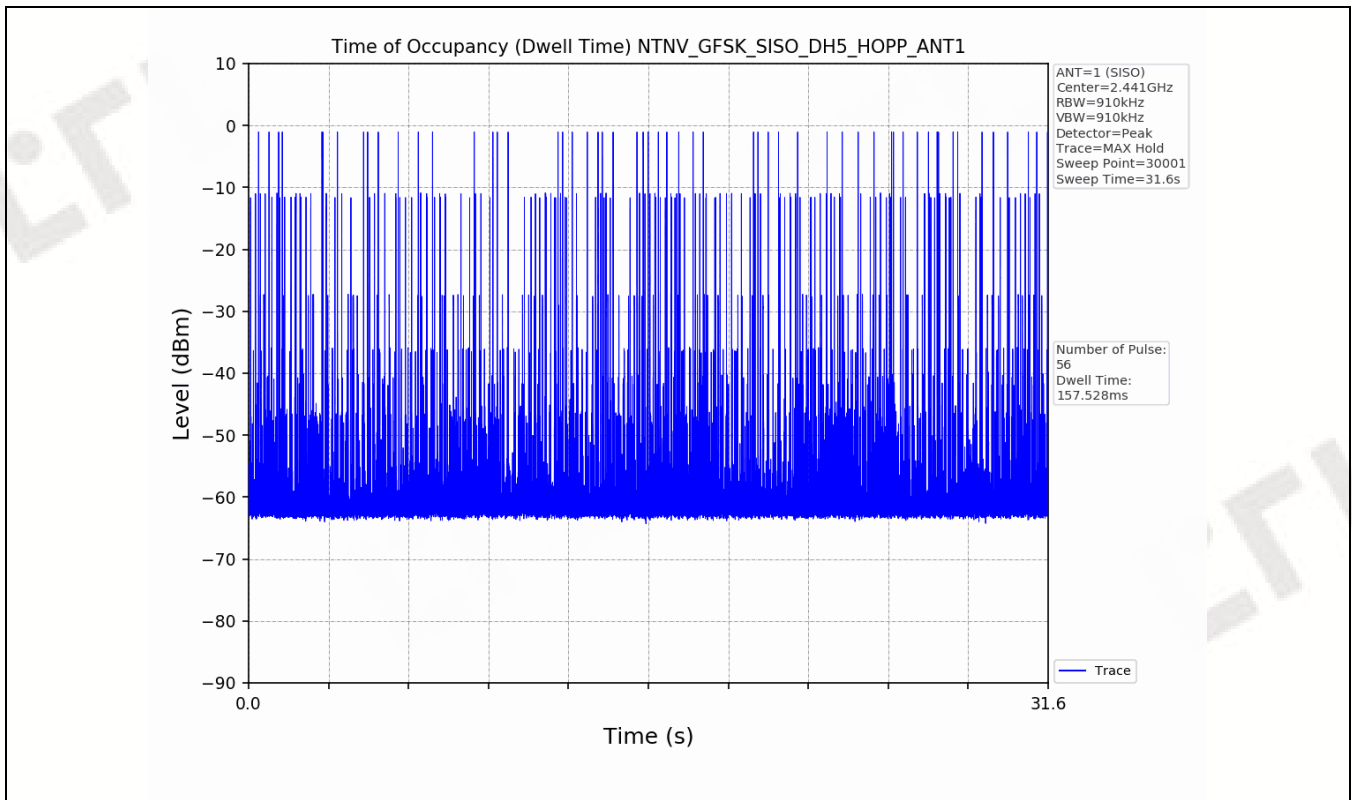


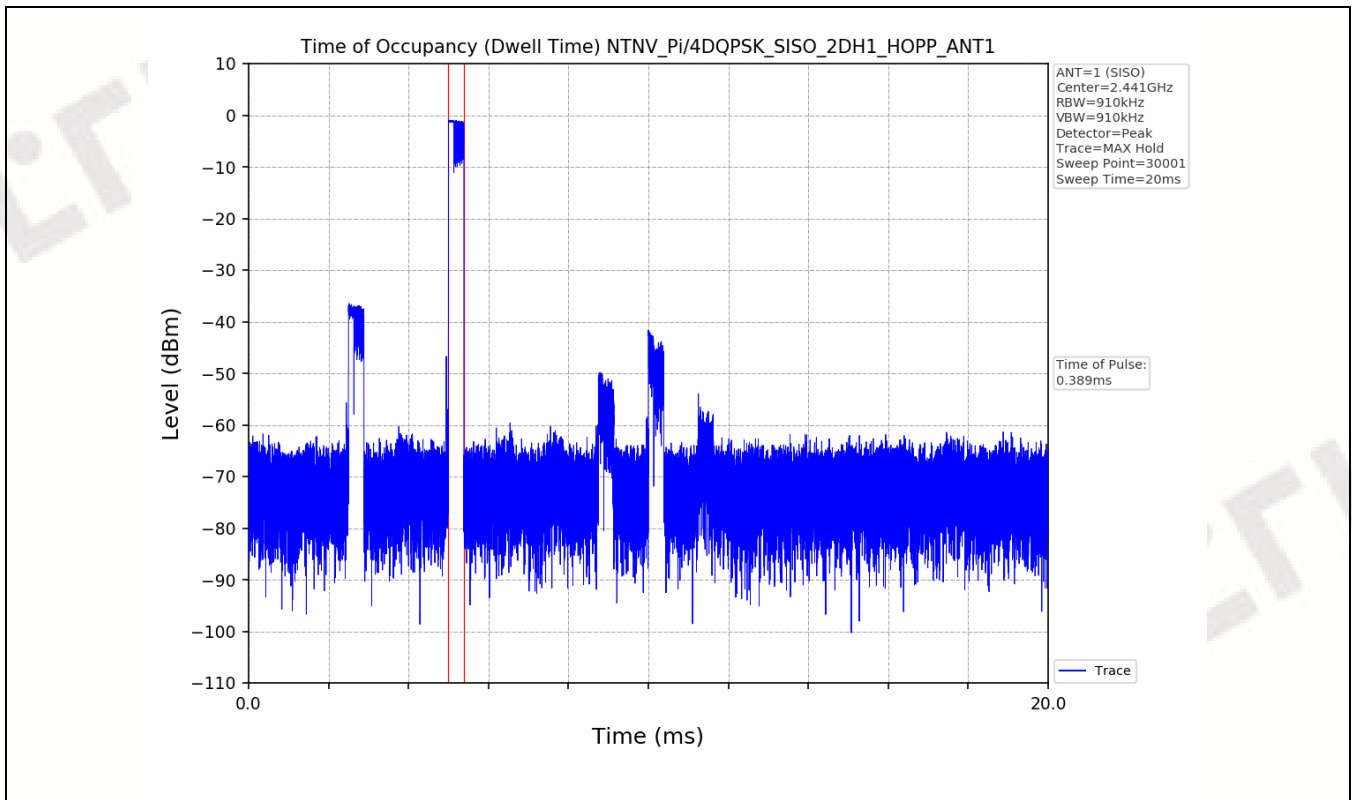


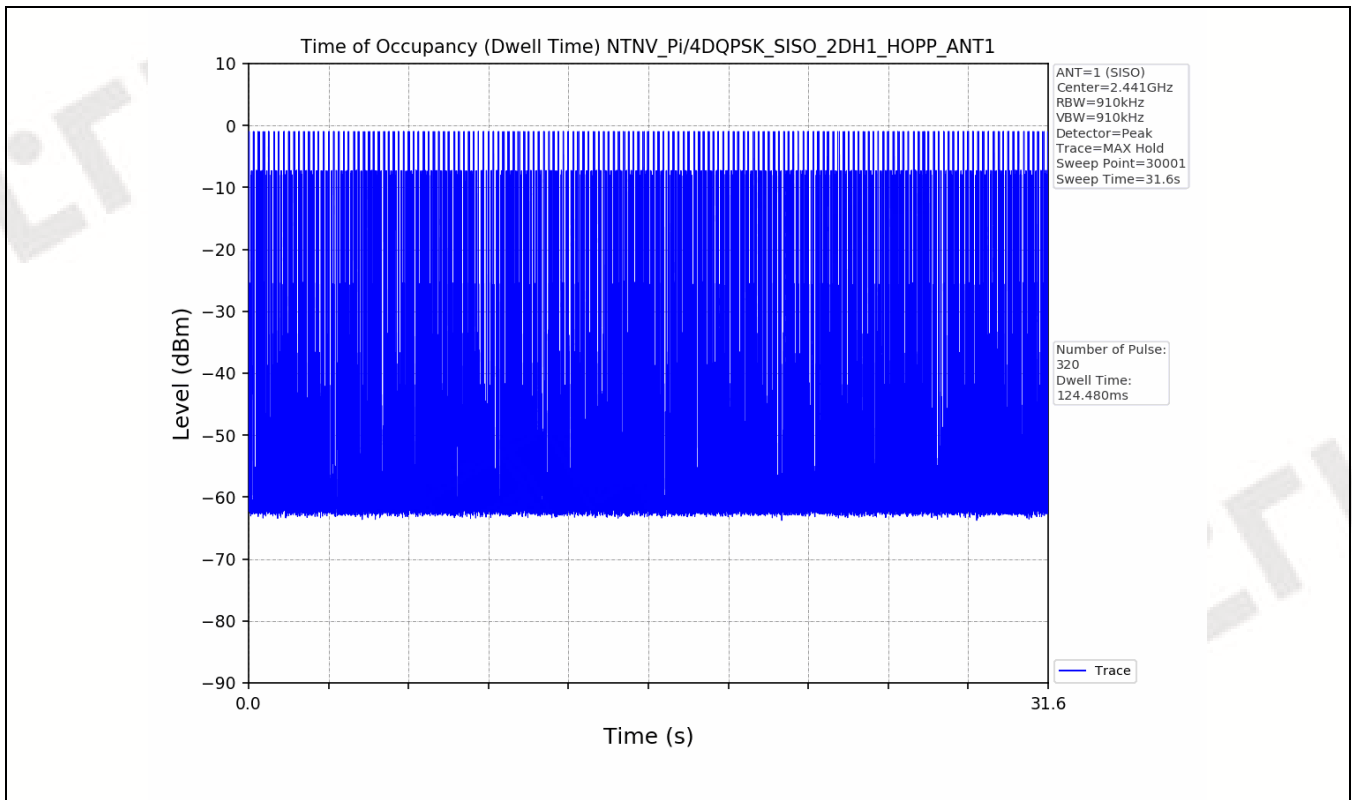


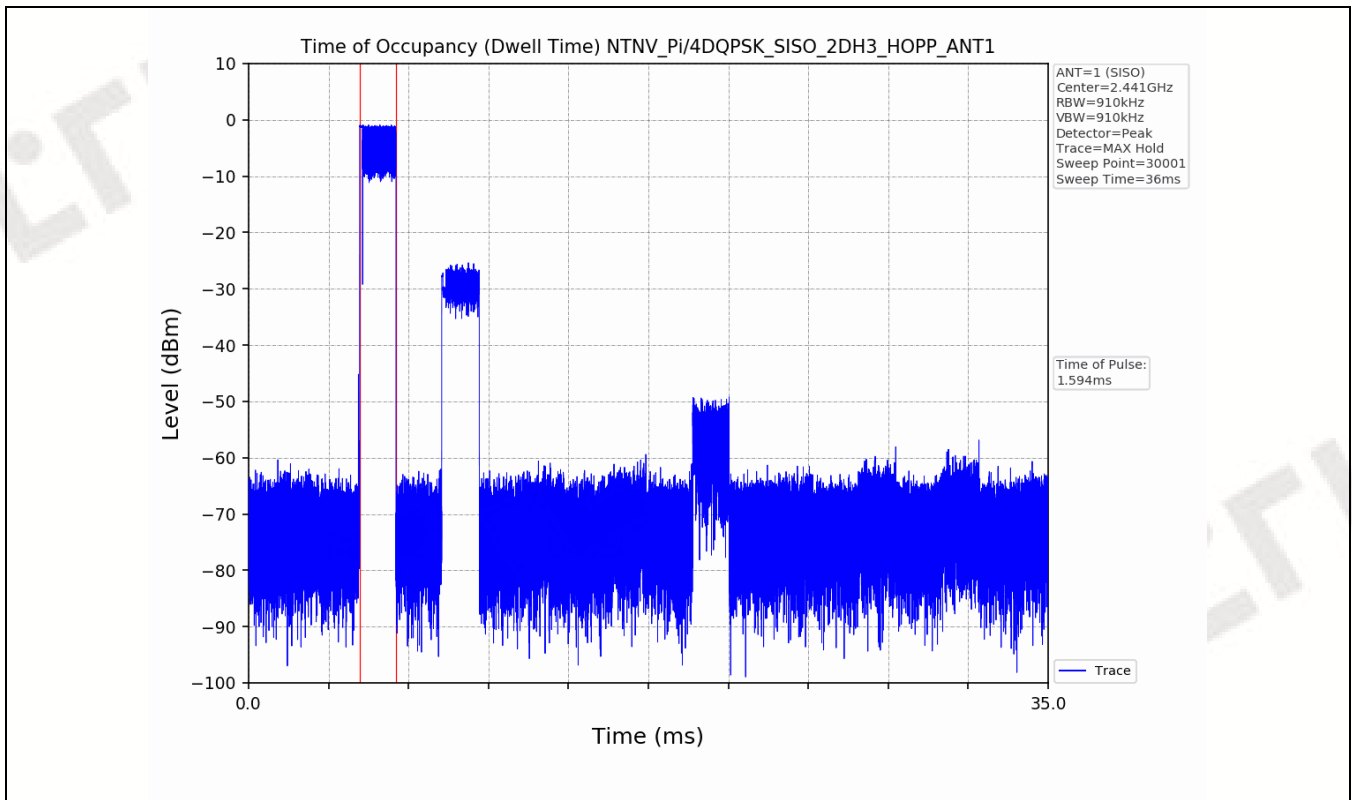


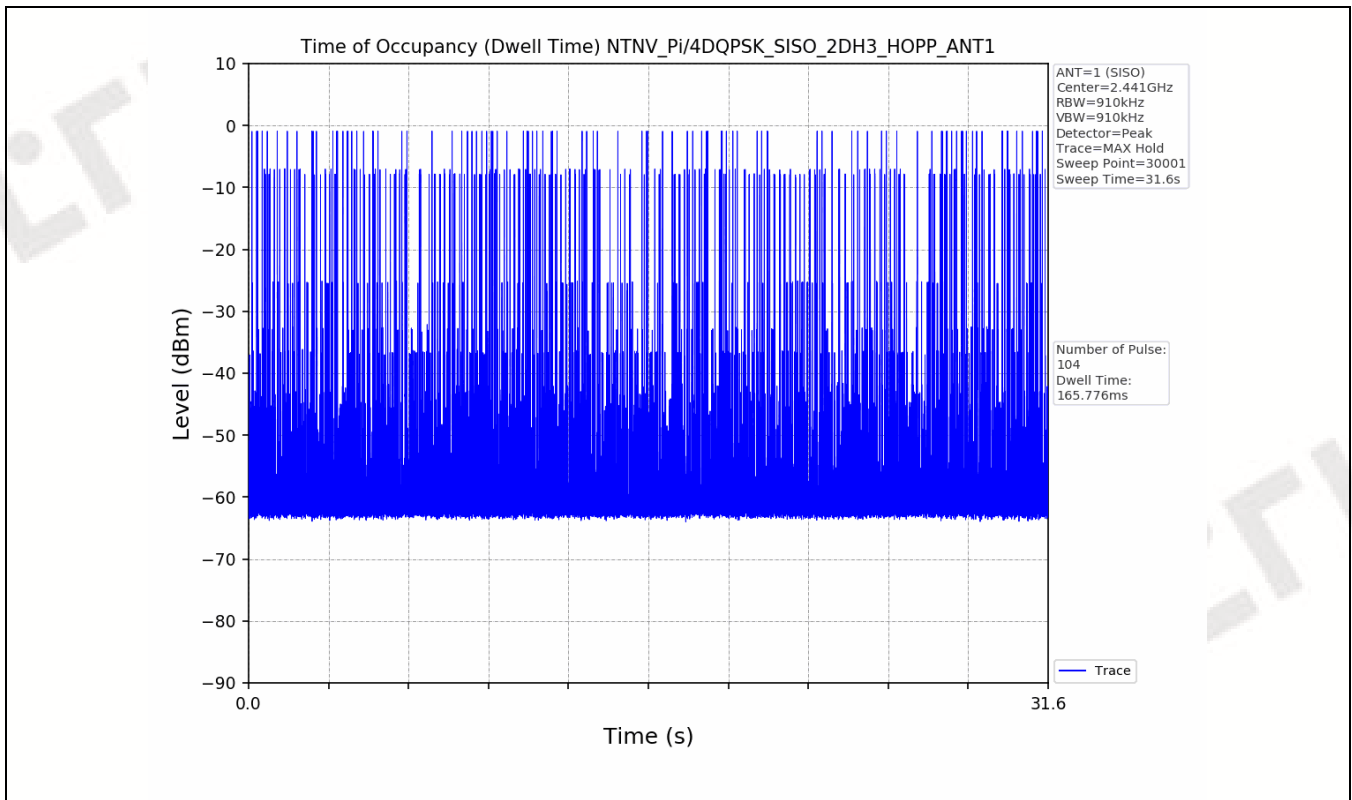


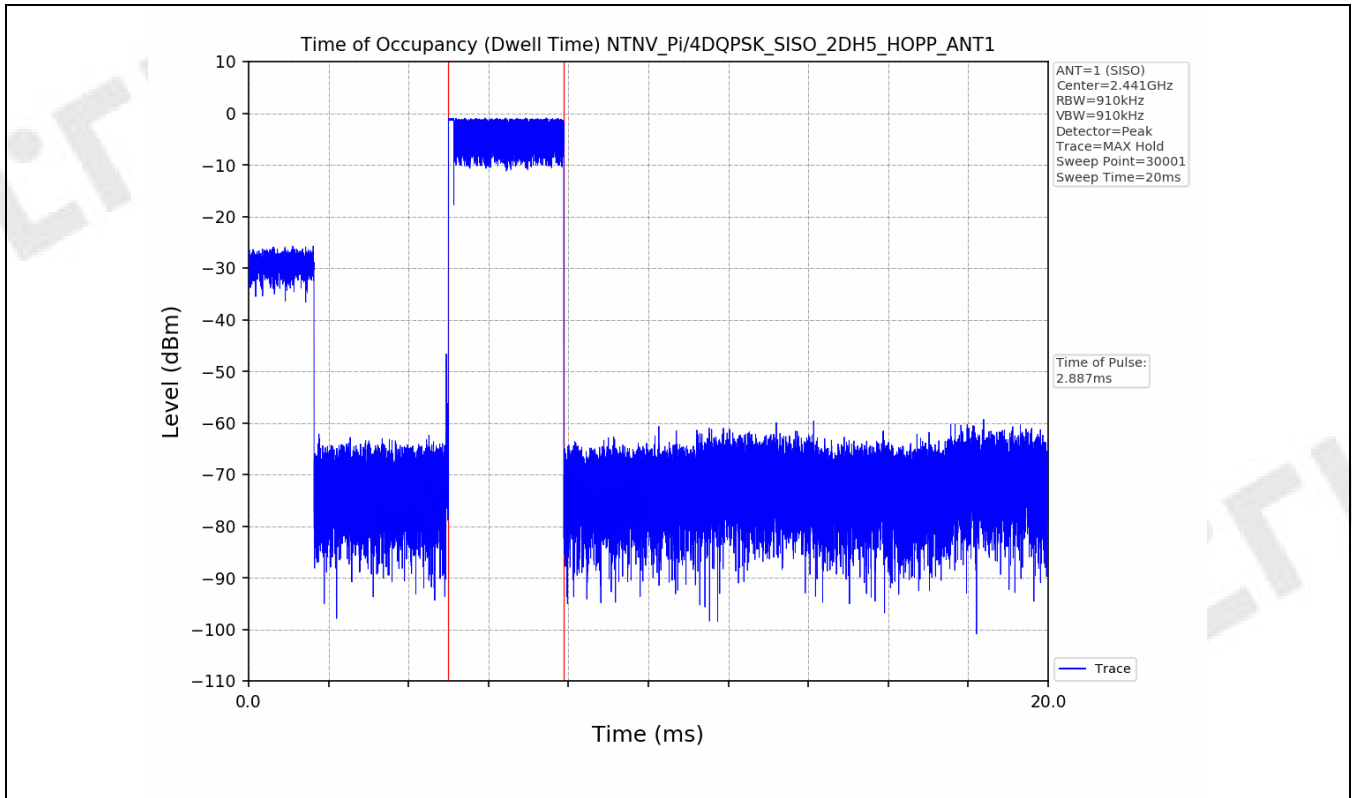


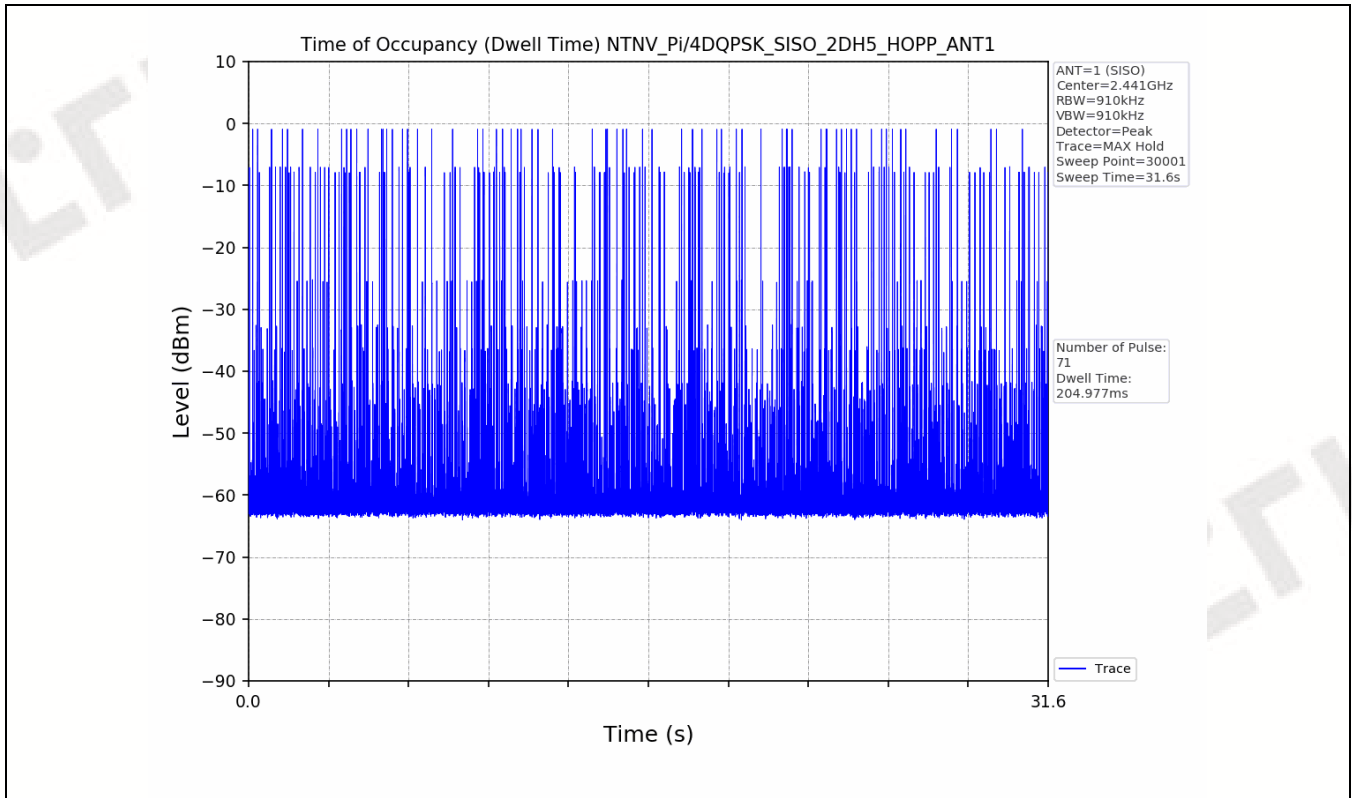


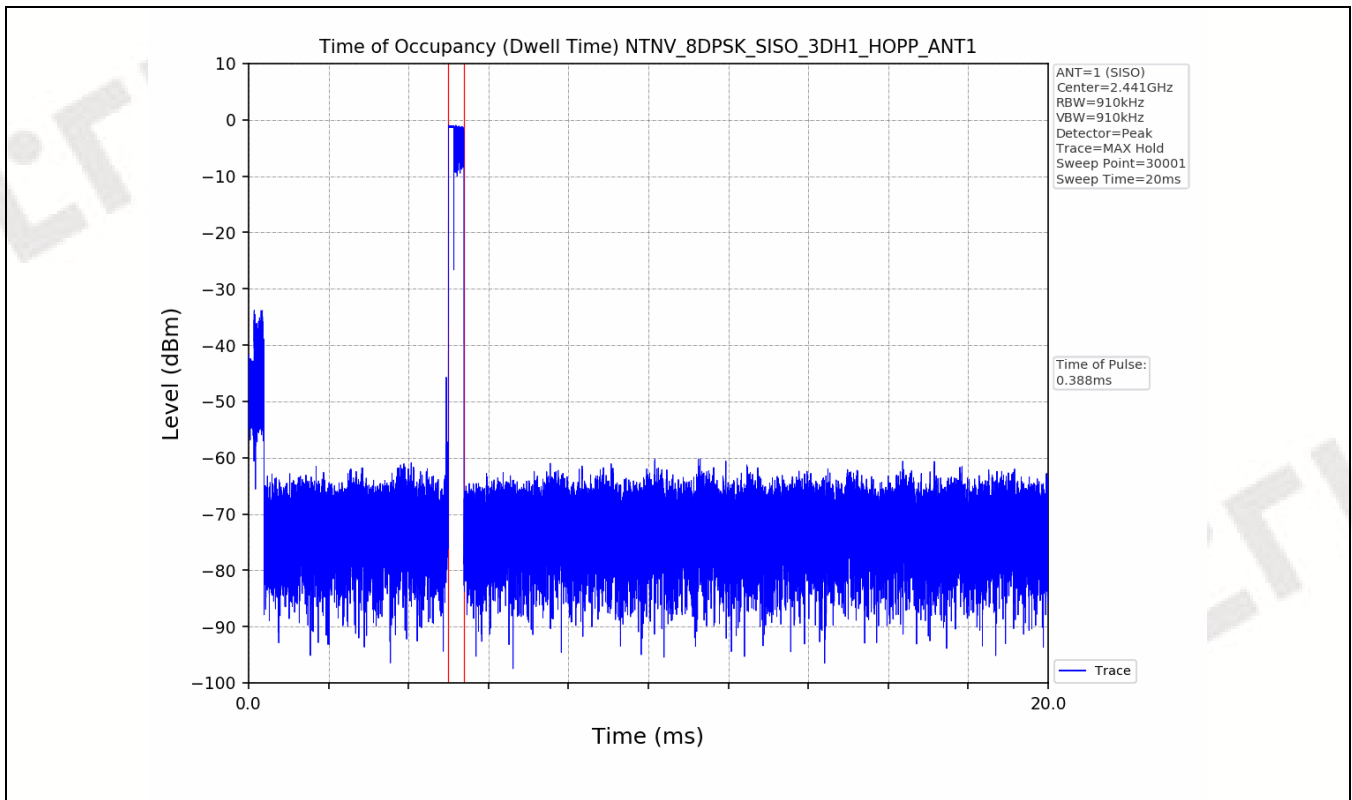


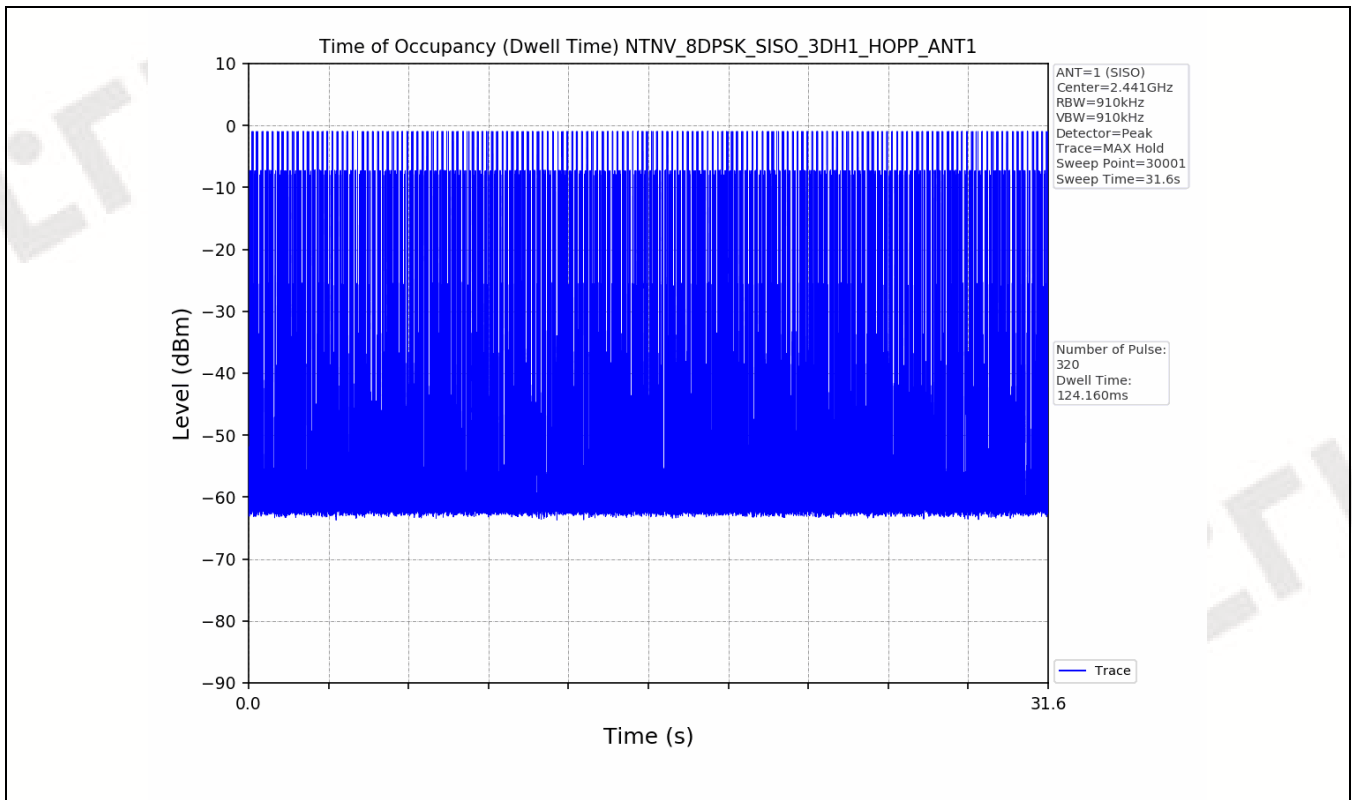


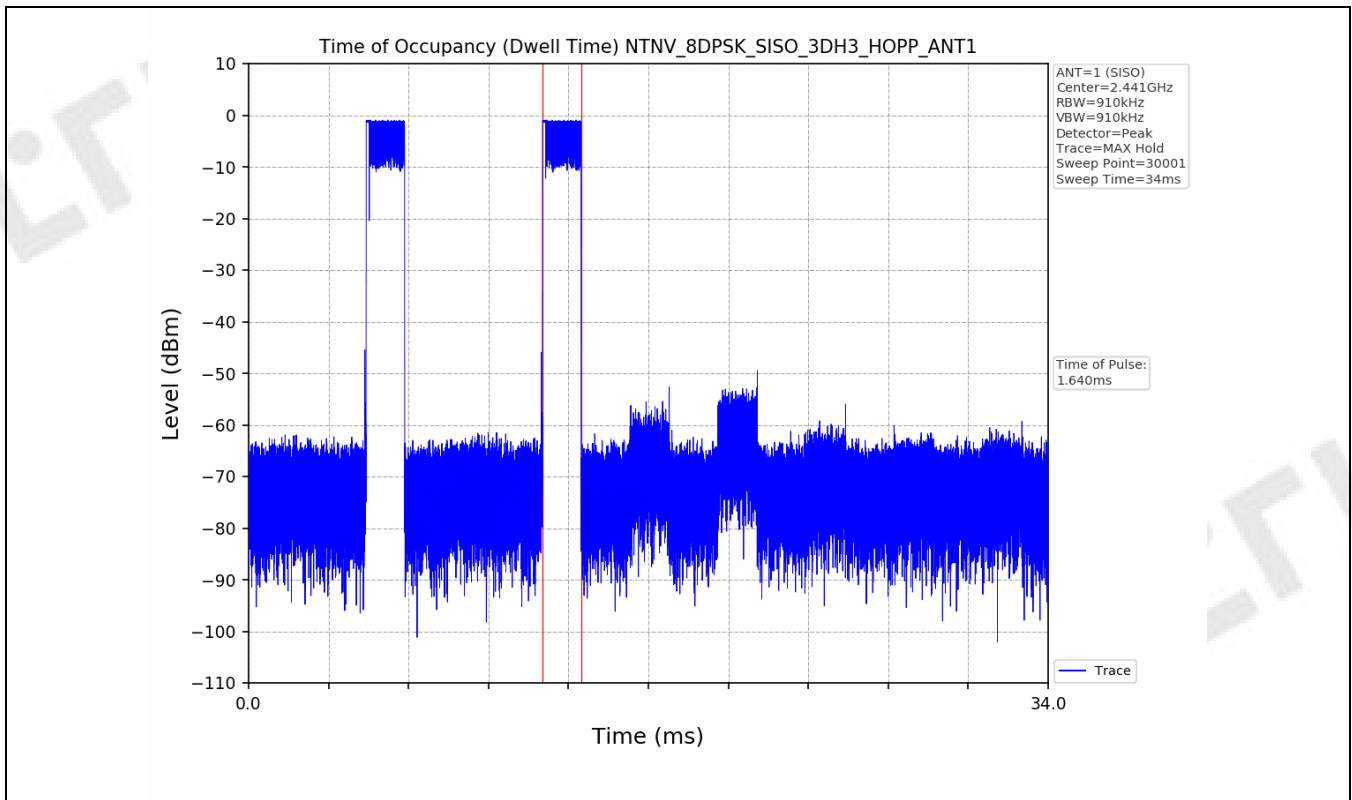


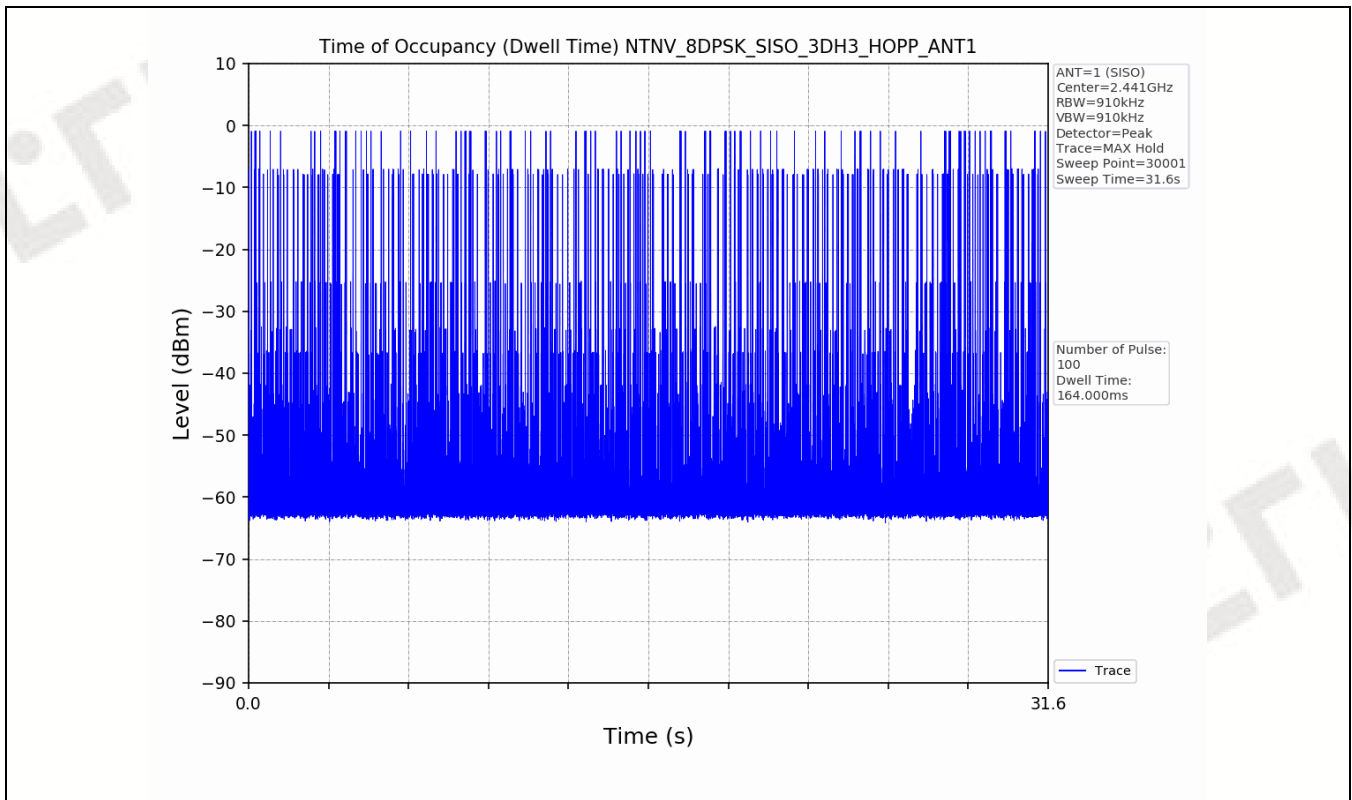


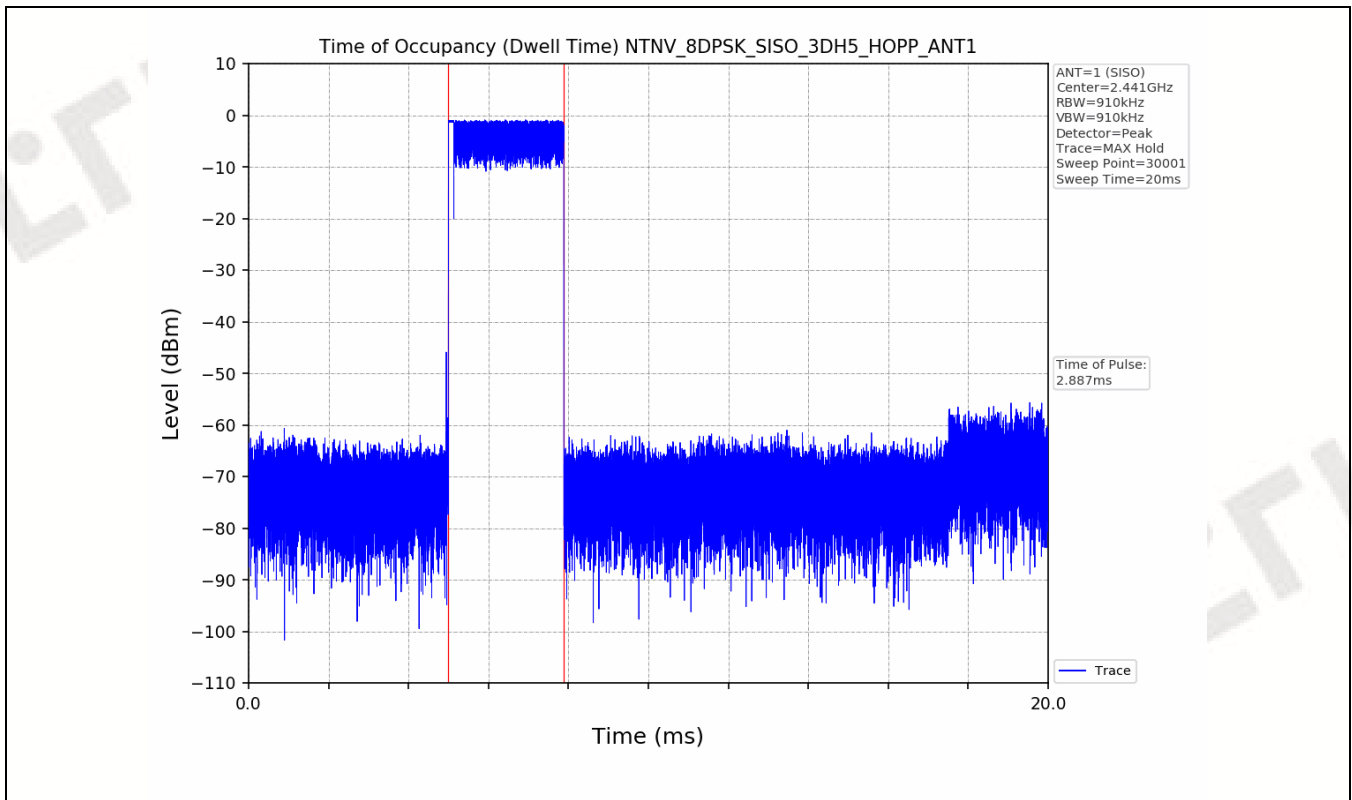


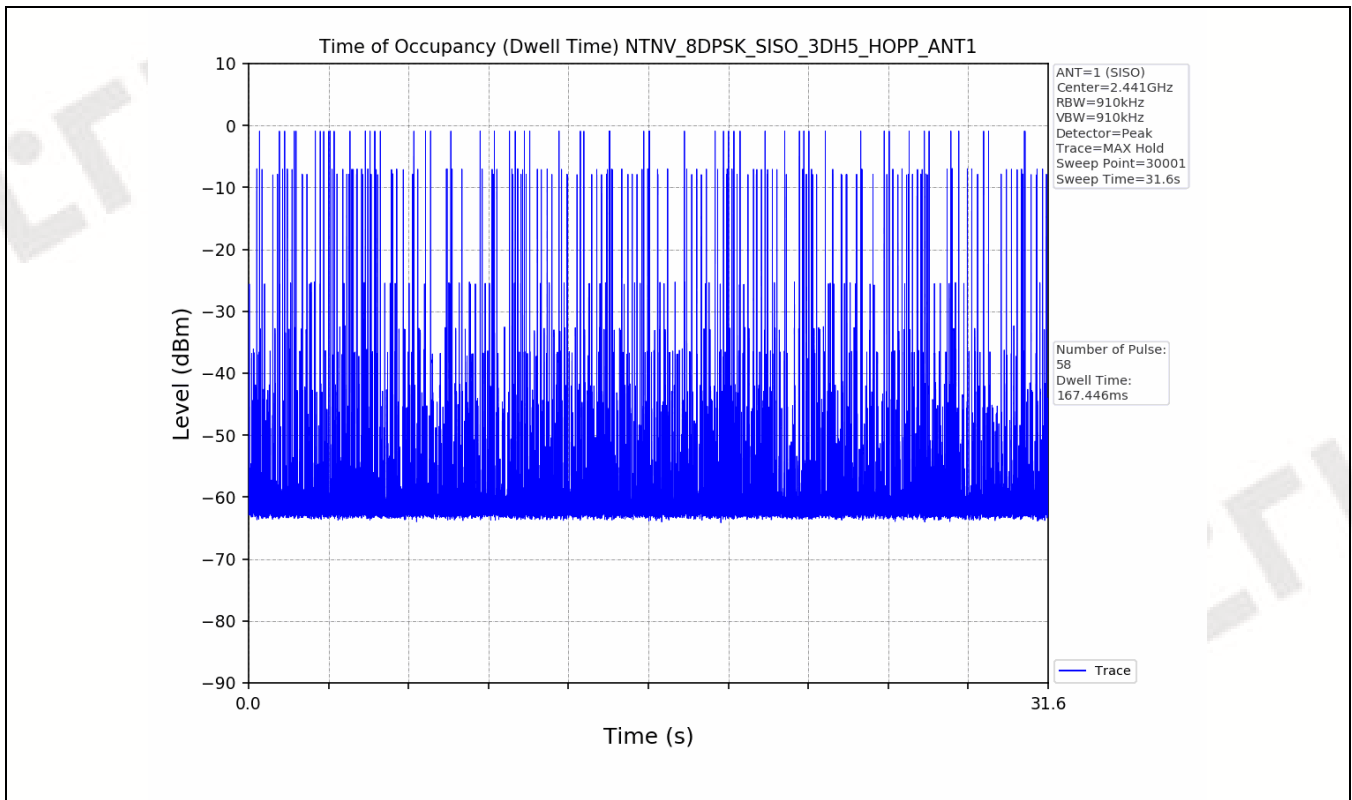














6. Unwanted Emissions in Non-restricted Frequency Bands

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	-21.04	PASS
	2441	SISO	1	Refer to test graph	-21.04	PASS
	2480	SISO	1	Refer to test graph	-21.04	PASS
	Hopping	SISO	1	Refer to test graph	-21.04	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-21.06	PASS
	2441	SISO	1	Refer to test graph	-21.06	PASS
	2480	SISO	1	Refer to test graph	-21.06	PASS
	Hopping	SISO	1	Refer to test graph	-21.06	PASS
8DPSK	2402	SISO	1	Refer to test graph	-21.04	PASS
	2441	SISO	1	Refer to test graph	-21.04	PASS
	2480	SISO	1	Refer to test graph	-21.04	PASS
	Hopping	SISO	1	Refer to test graph	-21.04	PASS

6.2 Test Graph

