

Appendix for 15.247

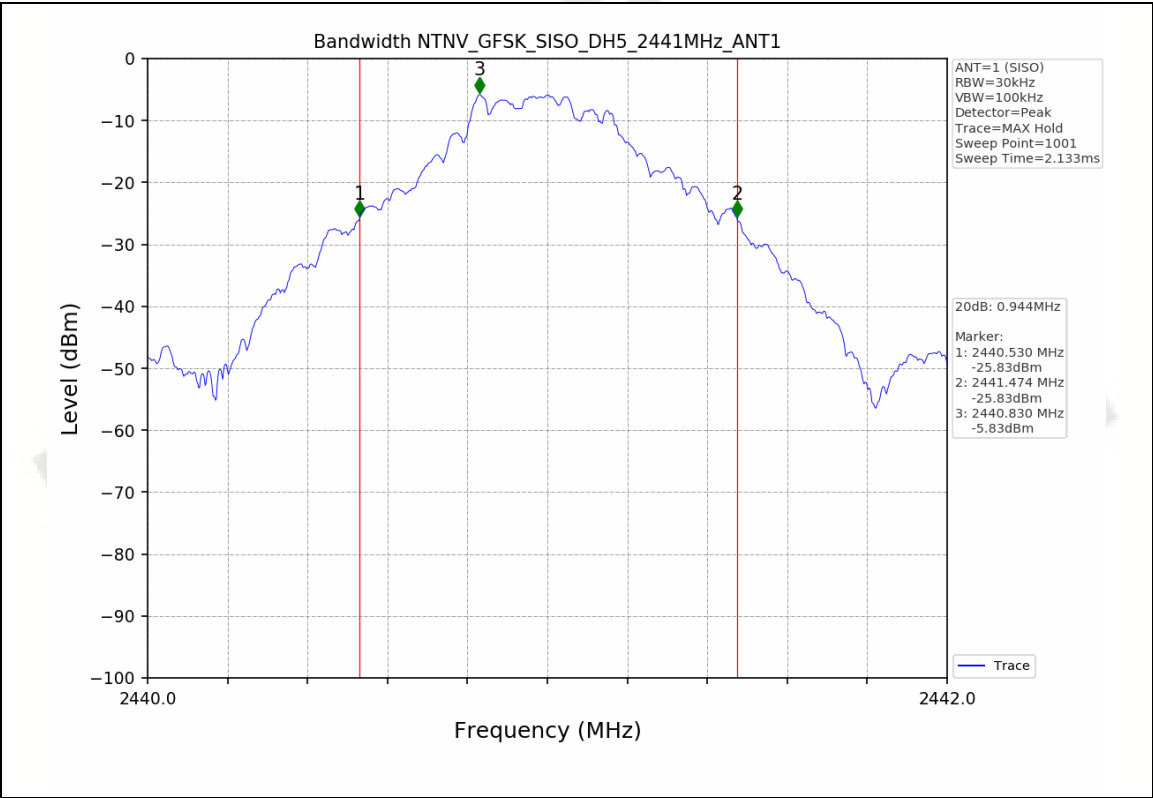
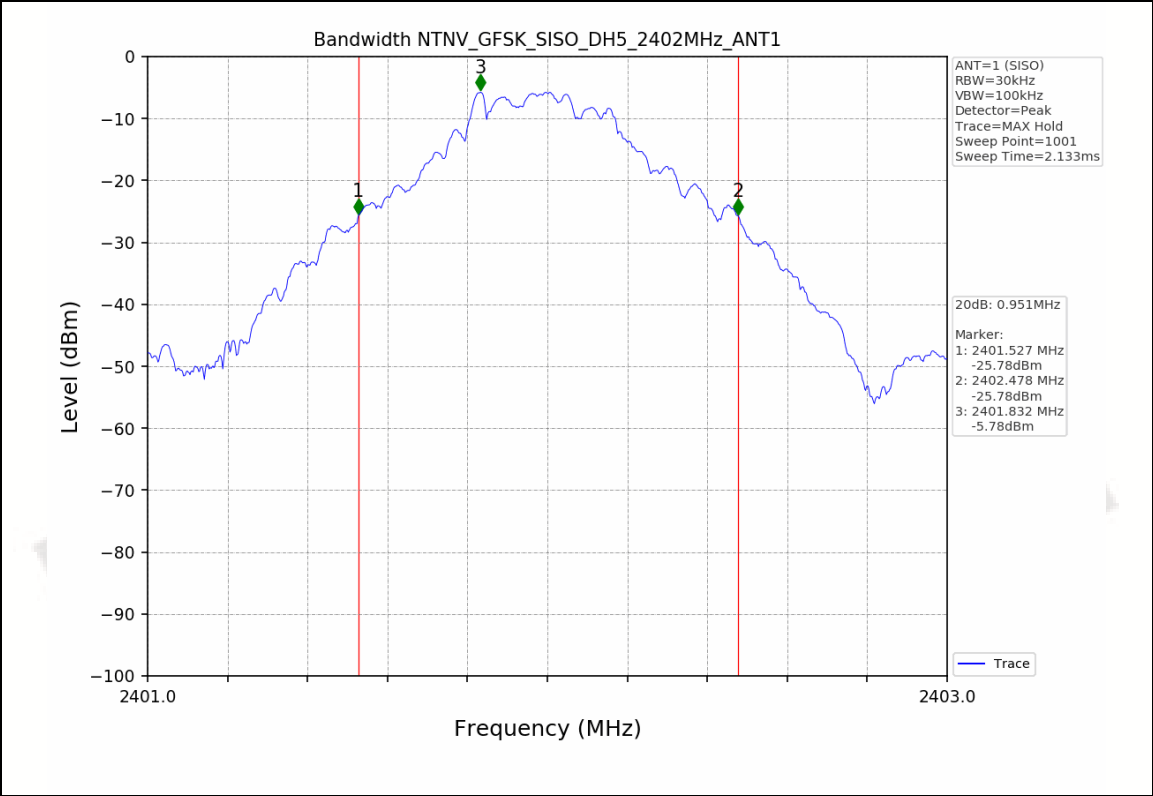
1. Bandwidth

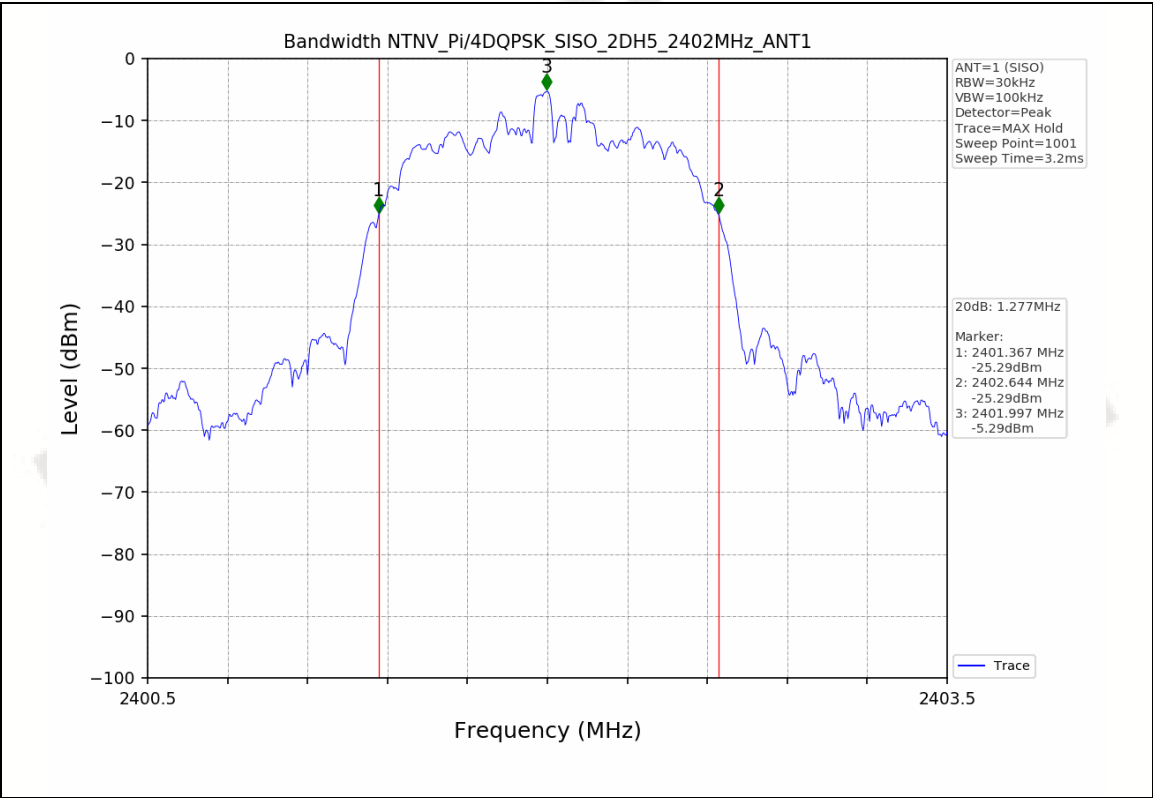
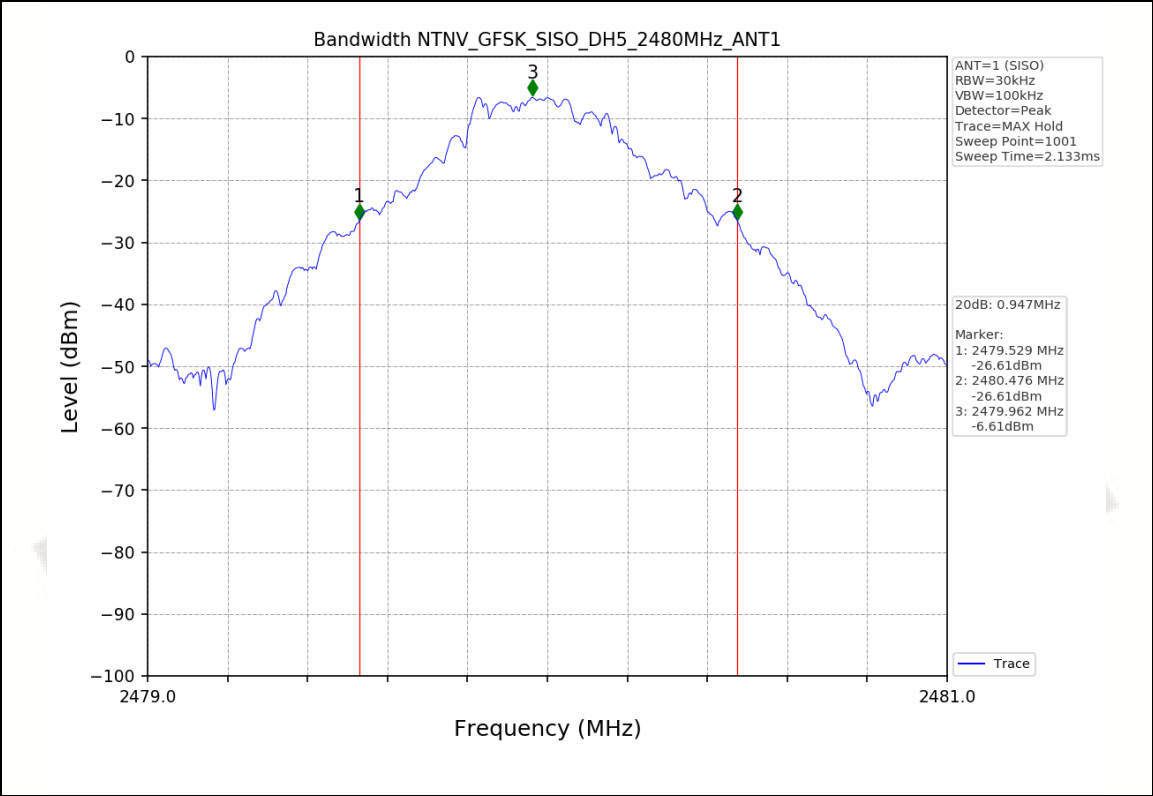
1.1 Test Result

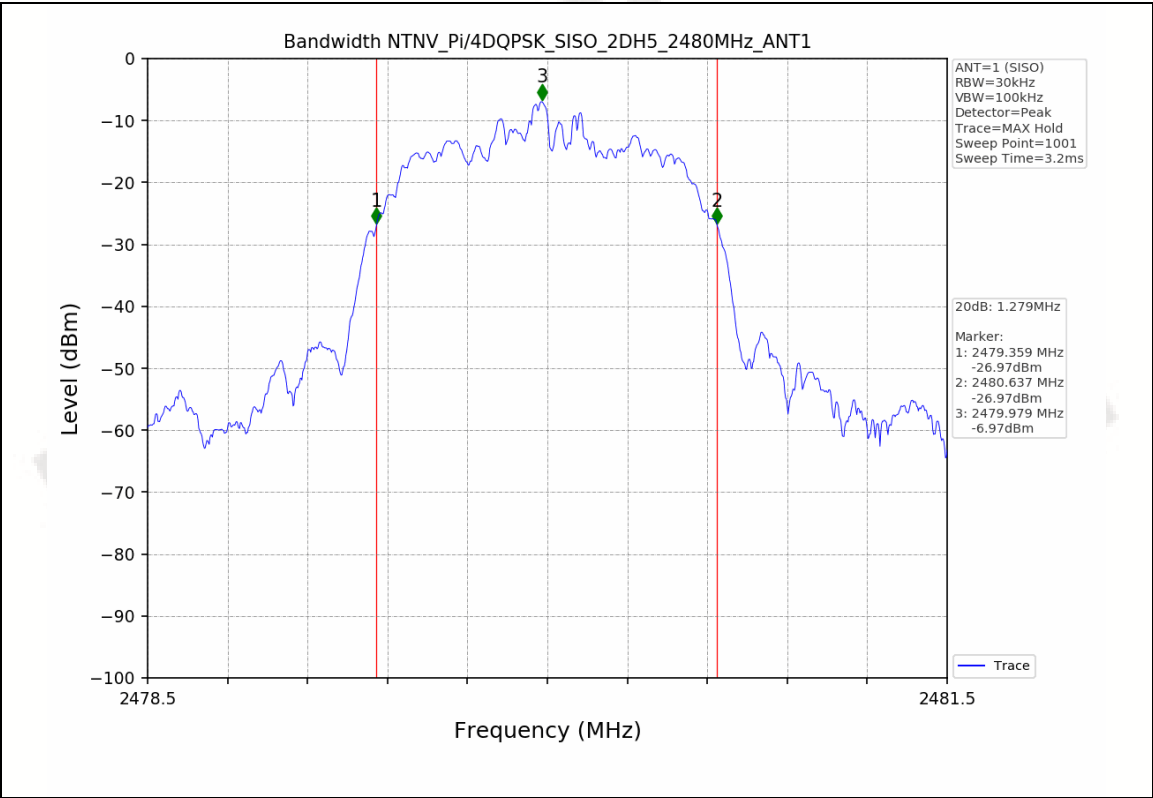
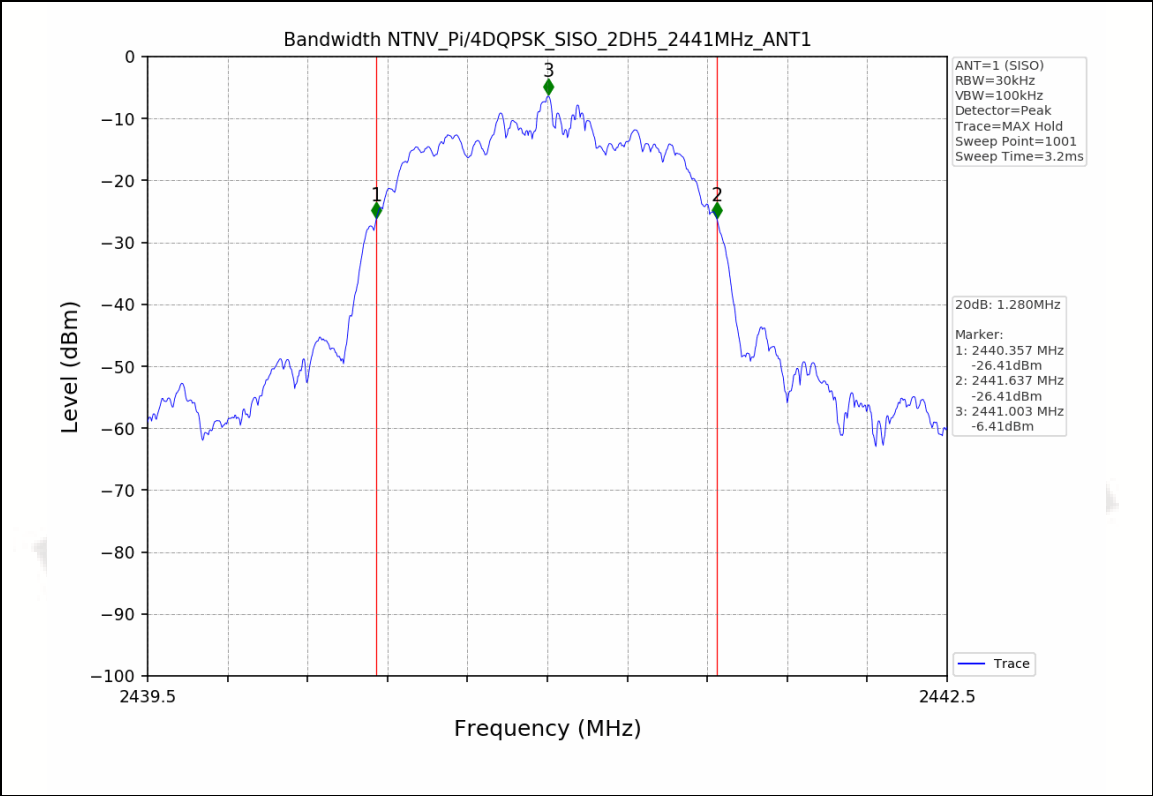
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.951	PASS
	2441	SISO	1	0.944	PASS
	2480	SISO	1	0.947	PASS
Pi/4DQPSK	2402	SISO	1	1.277	PASS
	2441	SISO	1	1.280	PASS
	2480	SISO	1	1.279	PASS
8DPSK	2402	SISO	1	1.286	PASS
	2441	SISO	1	1.282	PASS
	2480	SISO	1	1.280	PASS

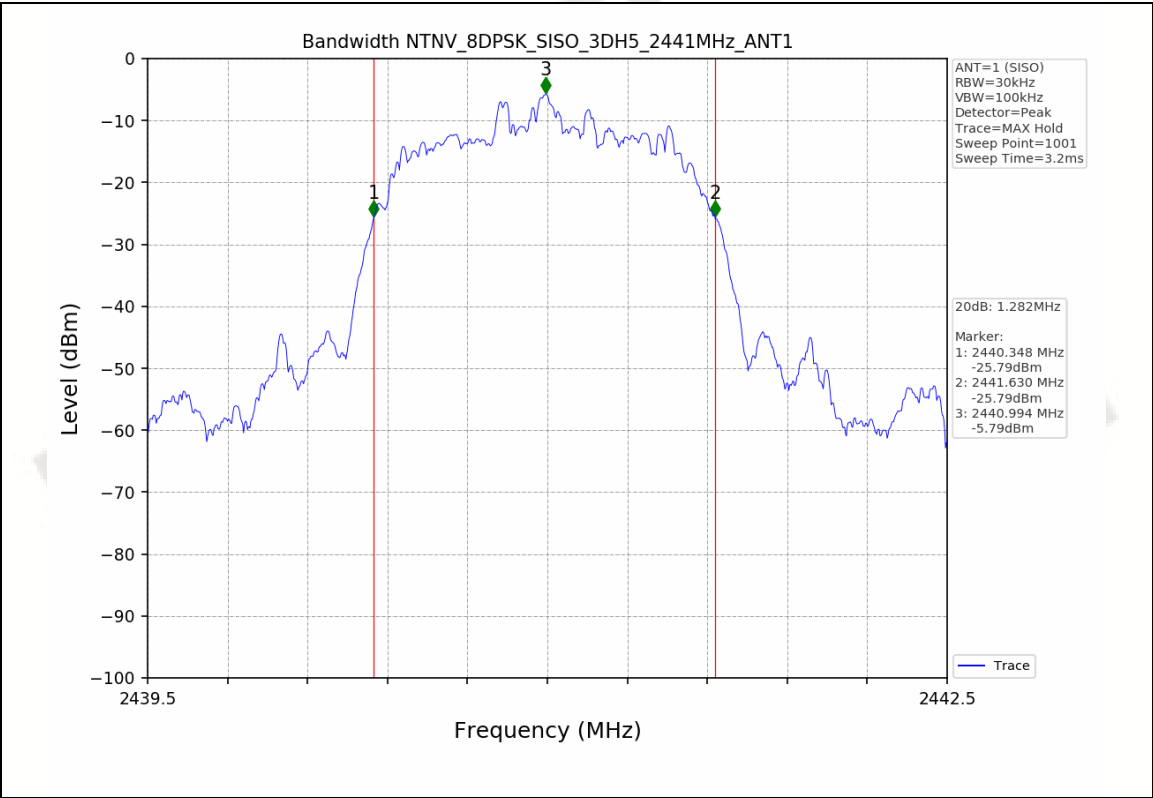
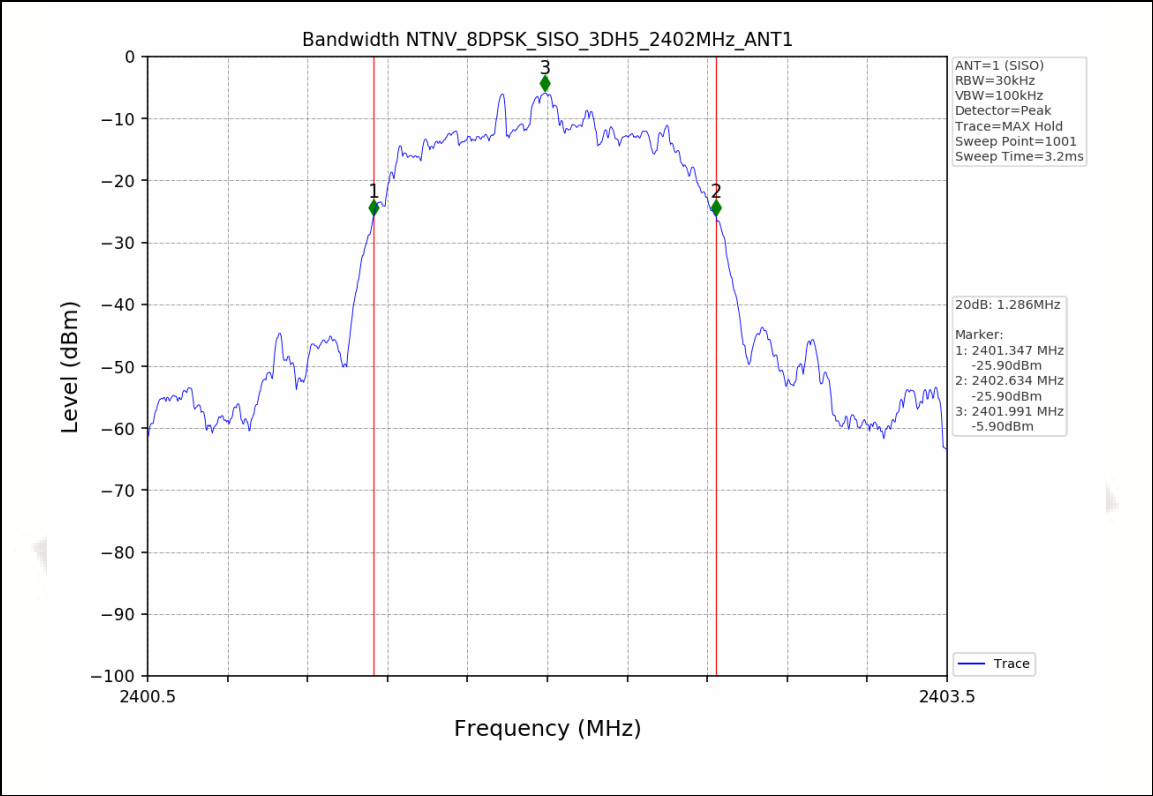
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.825	Only for Report Use
	2441	SISO	1	0.824	Only for Report Use
	2480	SISO	1	0.823	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.154	Only for Report Use
	2441	SISO	1	1.171	Only for Report Use
	2480	SISO	1	1.156	Only for Report Use
8DPSK	2402	SISO	1	1.157	Only for Report Use
	2441	SISO	1	1.152	Only for Report Use
	2480	SISO	1	1.158	Only for Report Use

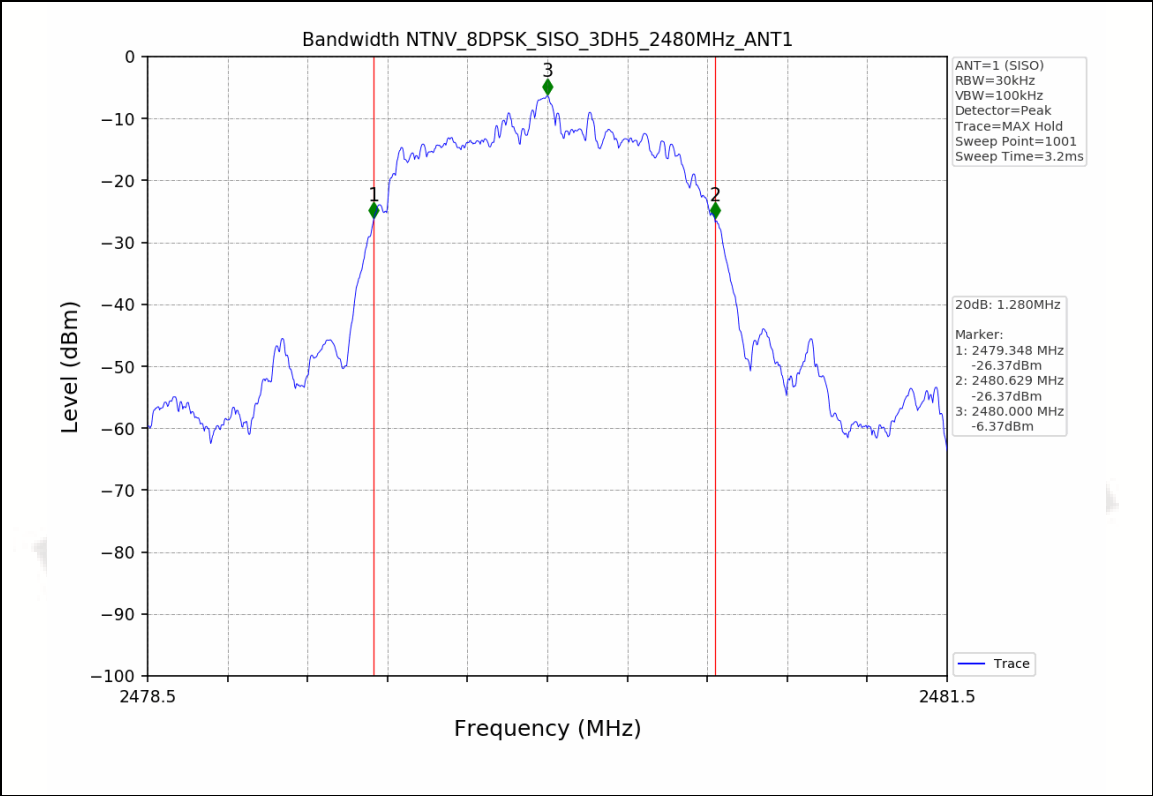
1.2 Test Graph - 20dB Bandwidth



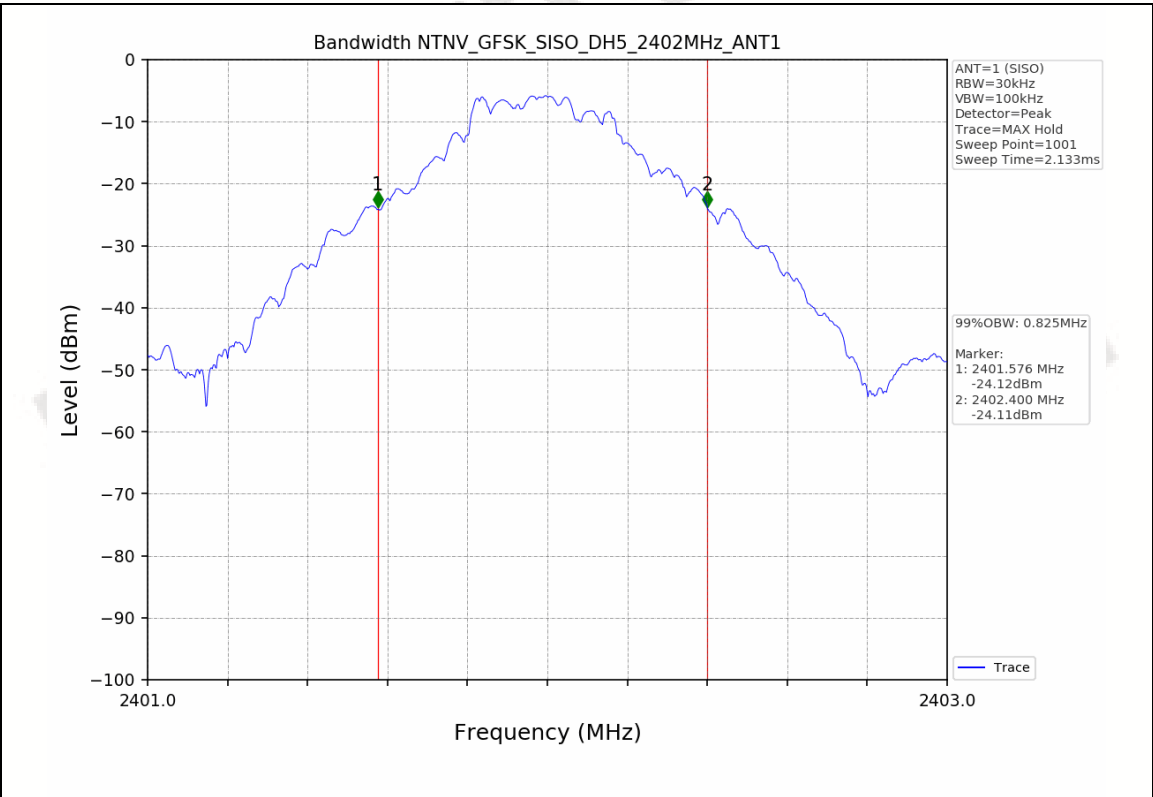


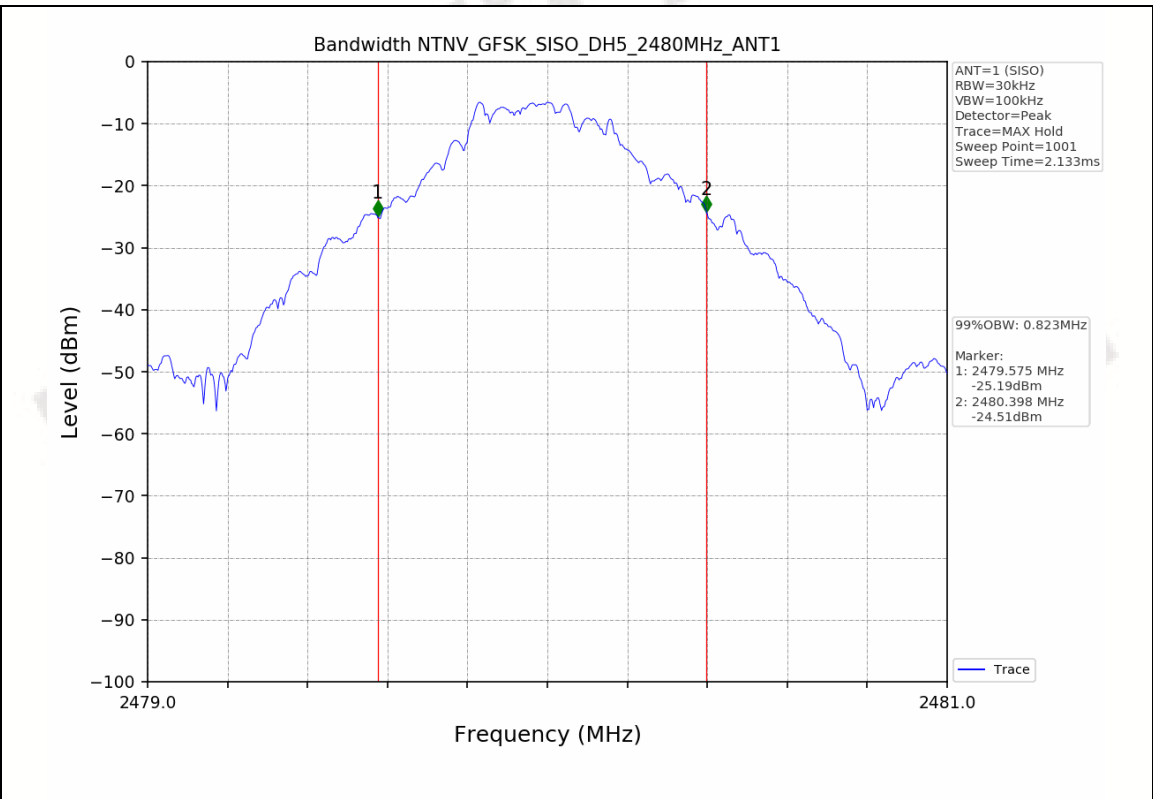
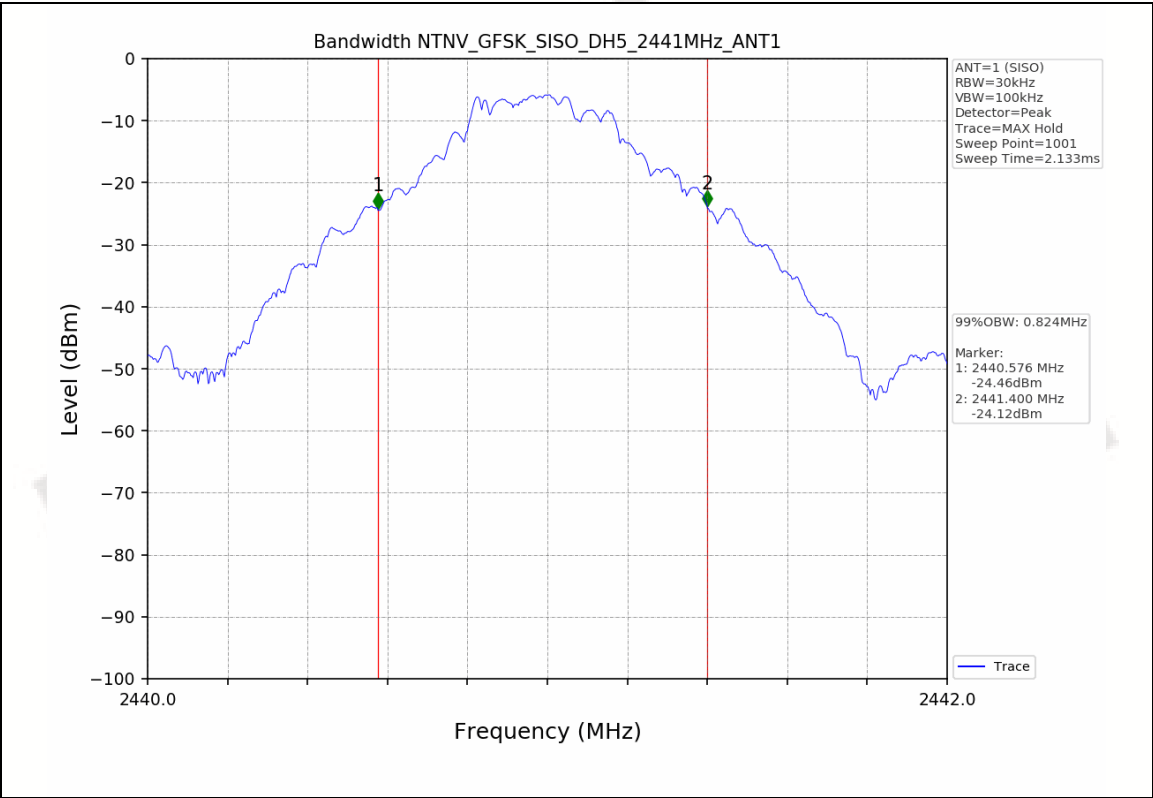


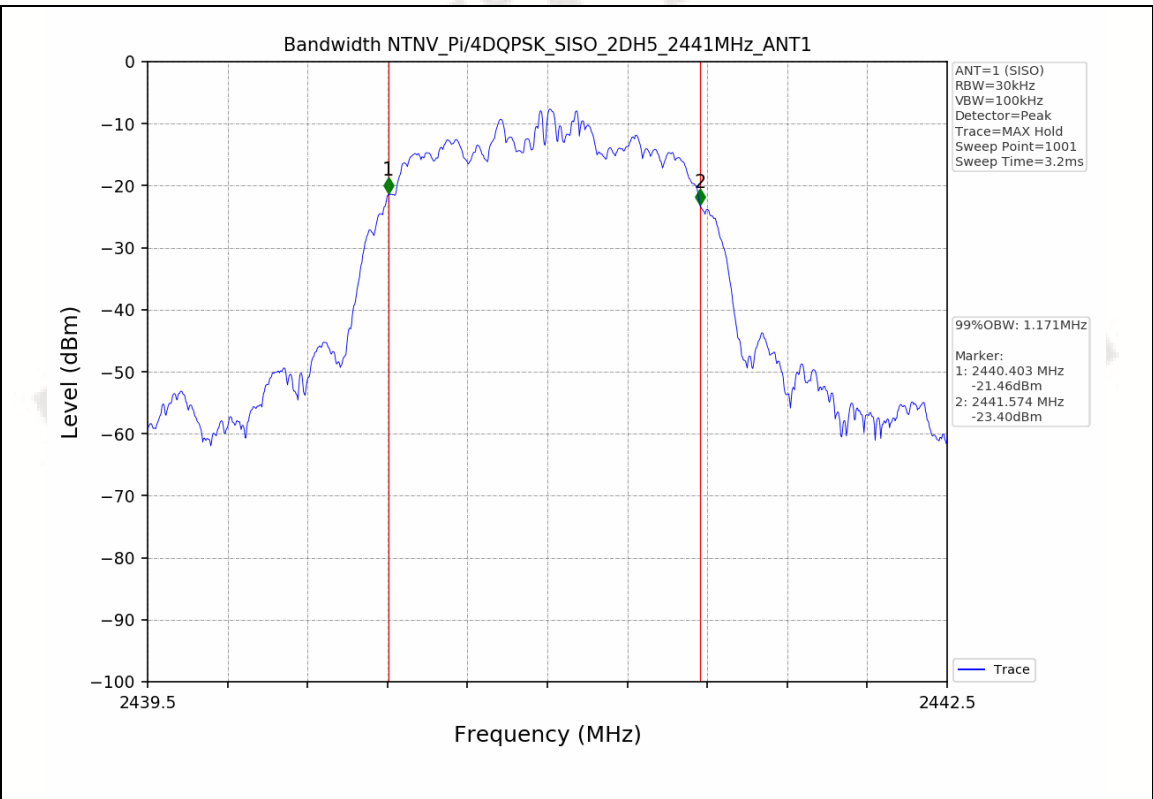
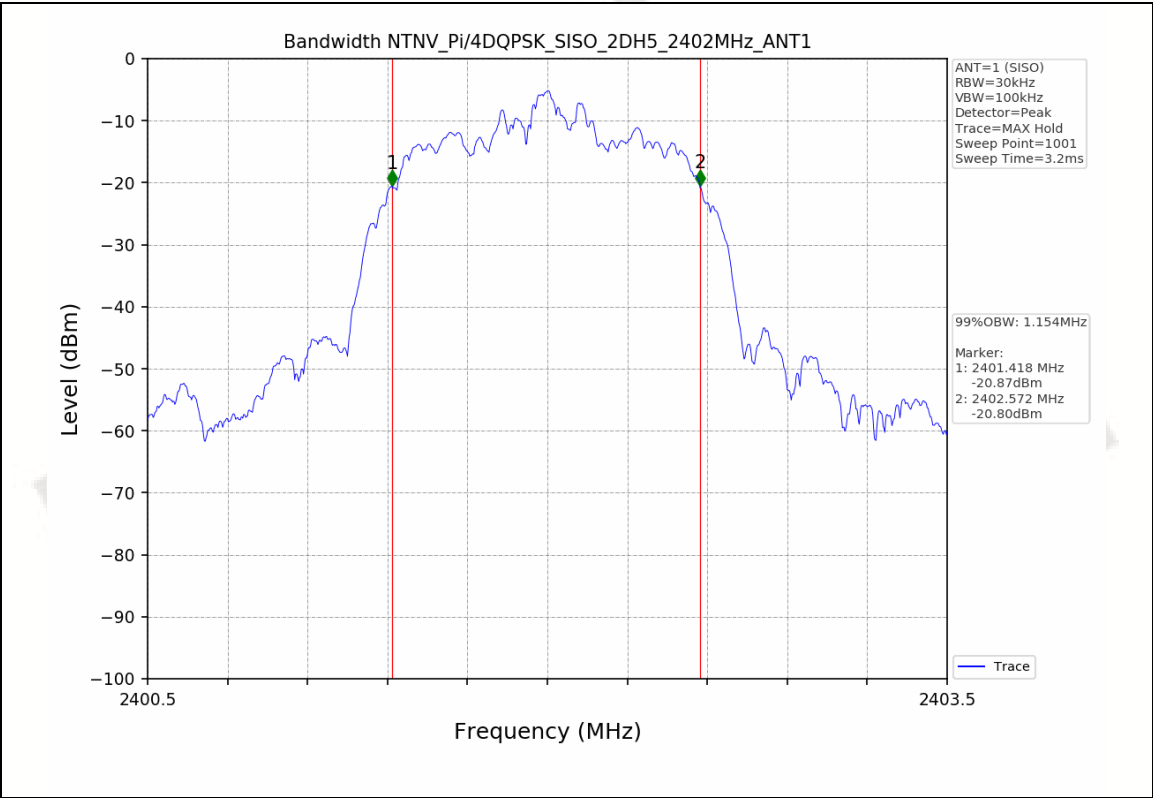


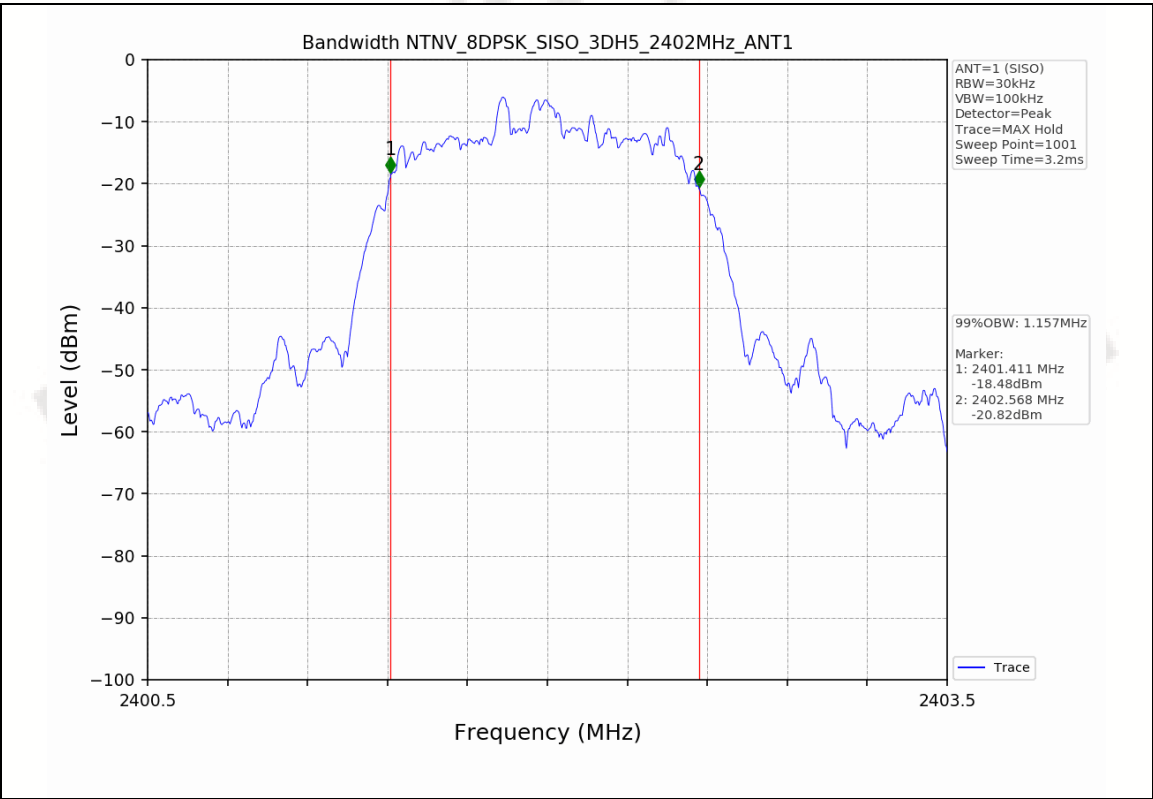
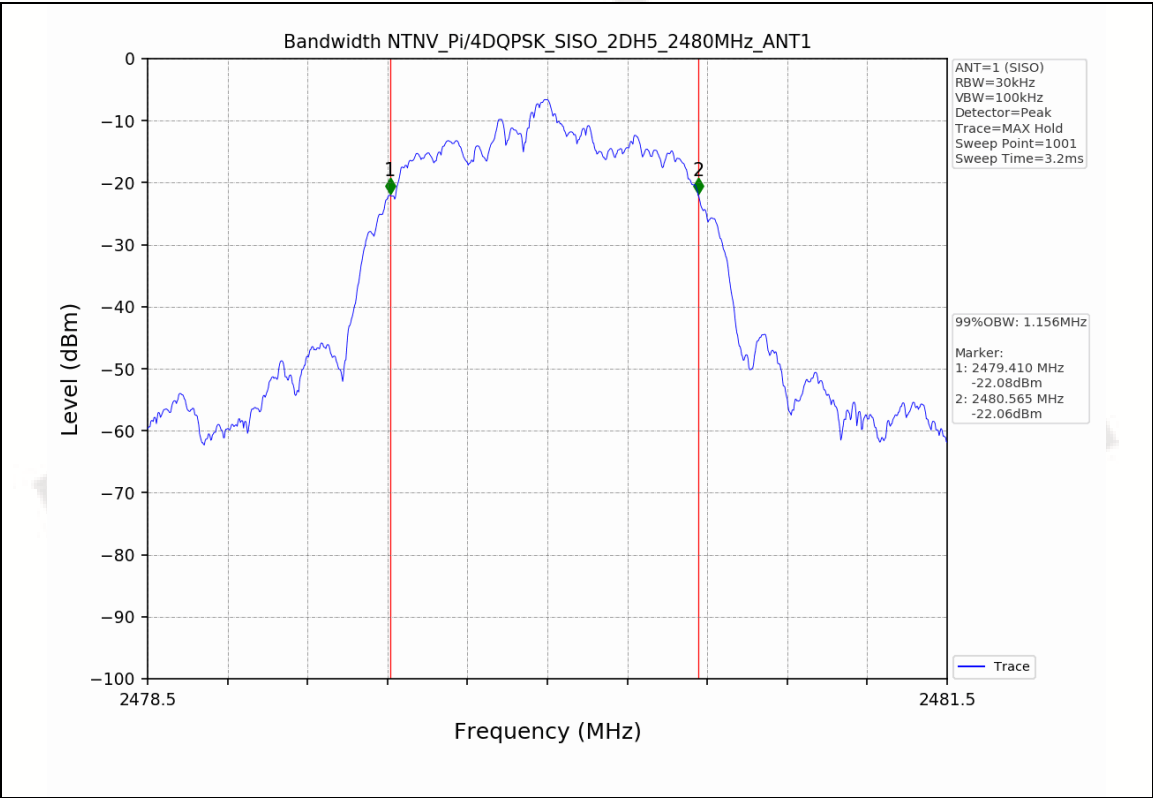


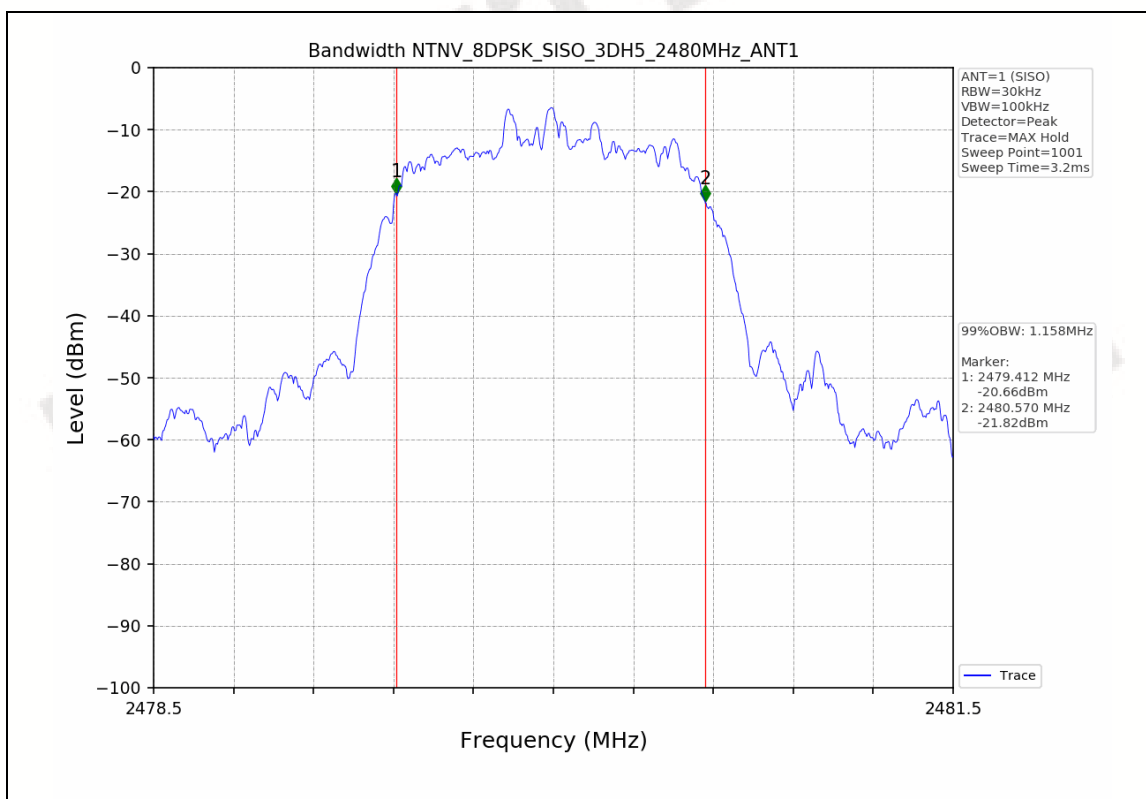
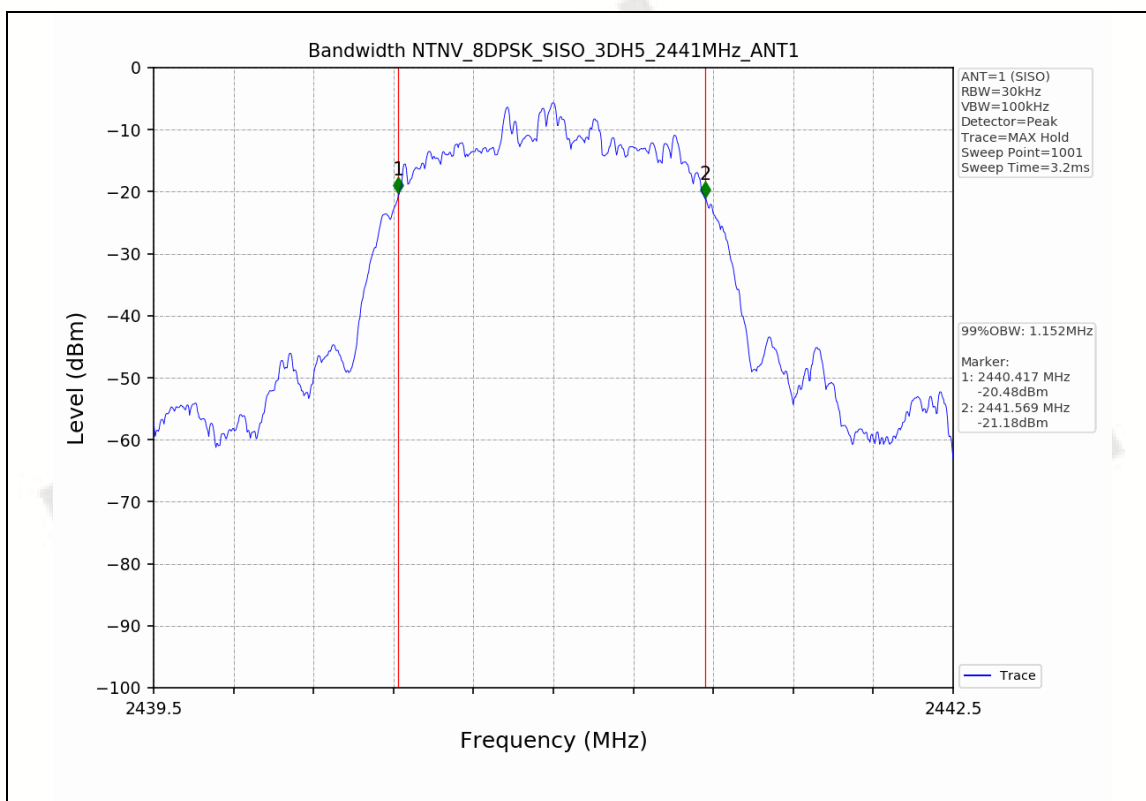
1.3 Test Graph - 99% Occupied Bandwidth









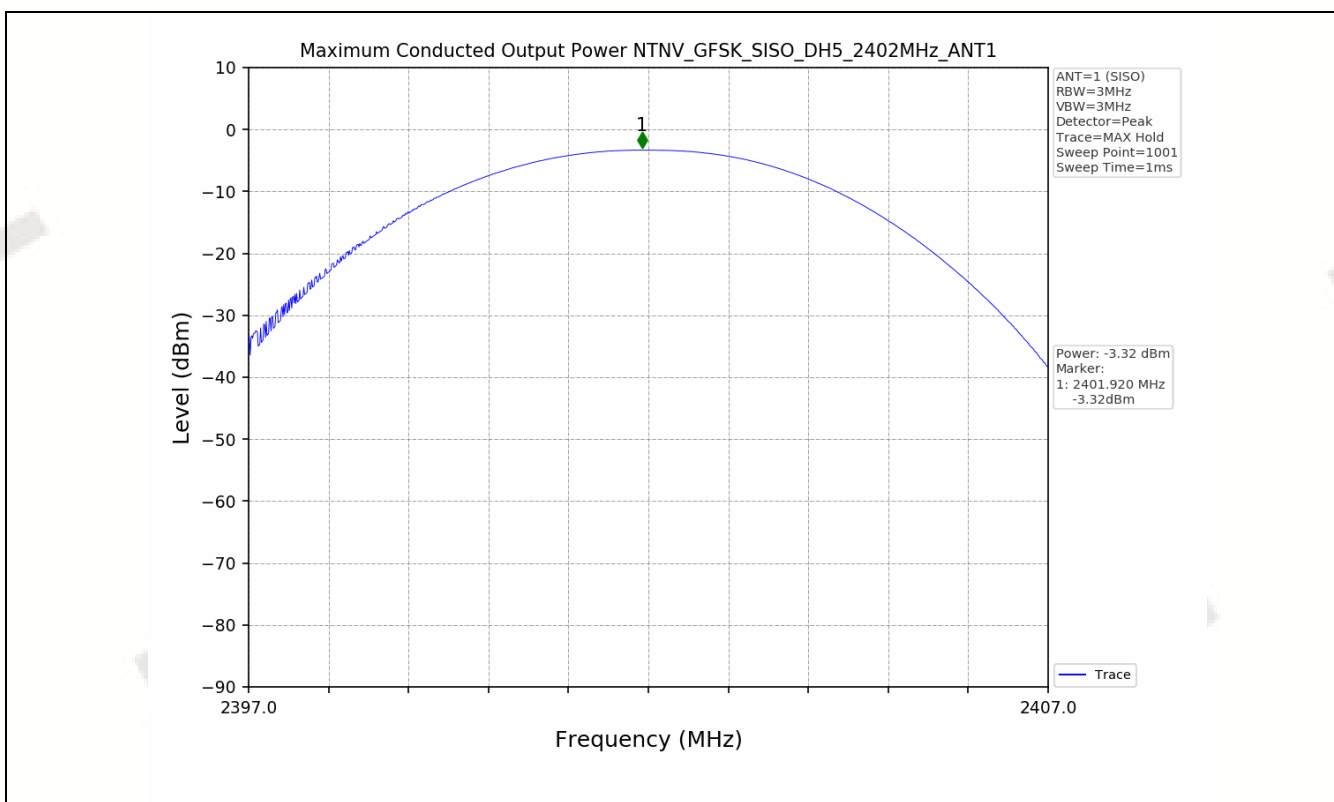


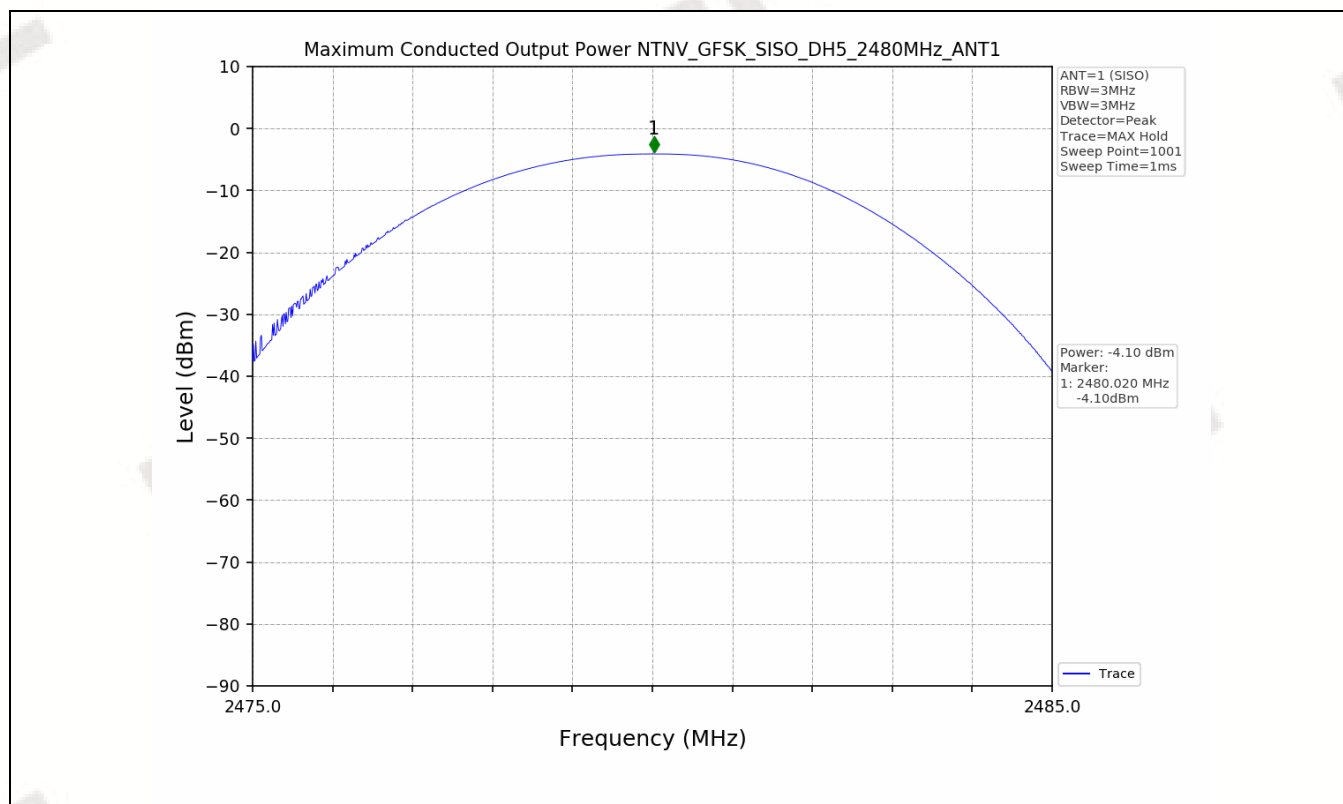
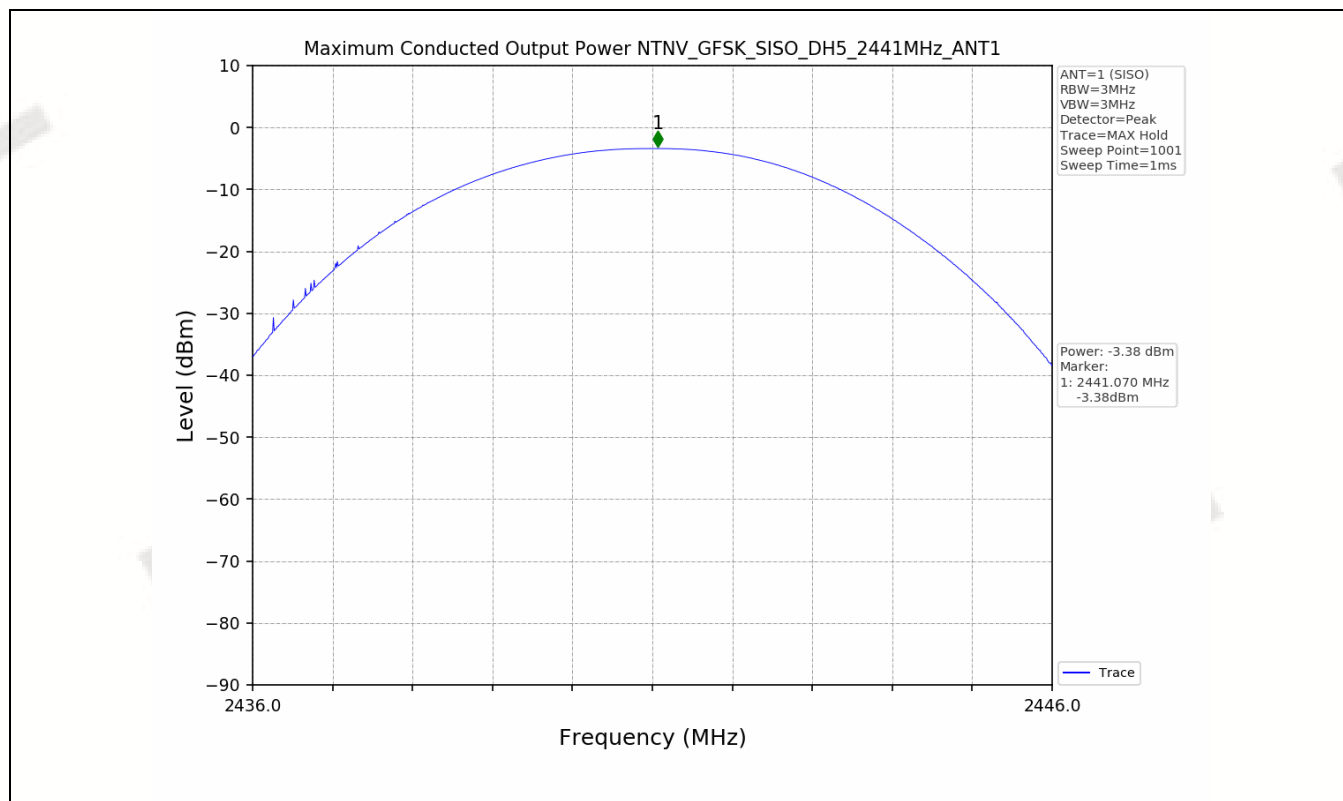
2. Maximum Conducted Output Power

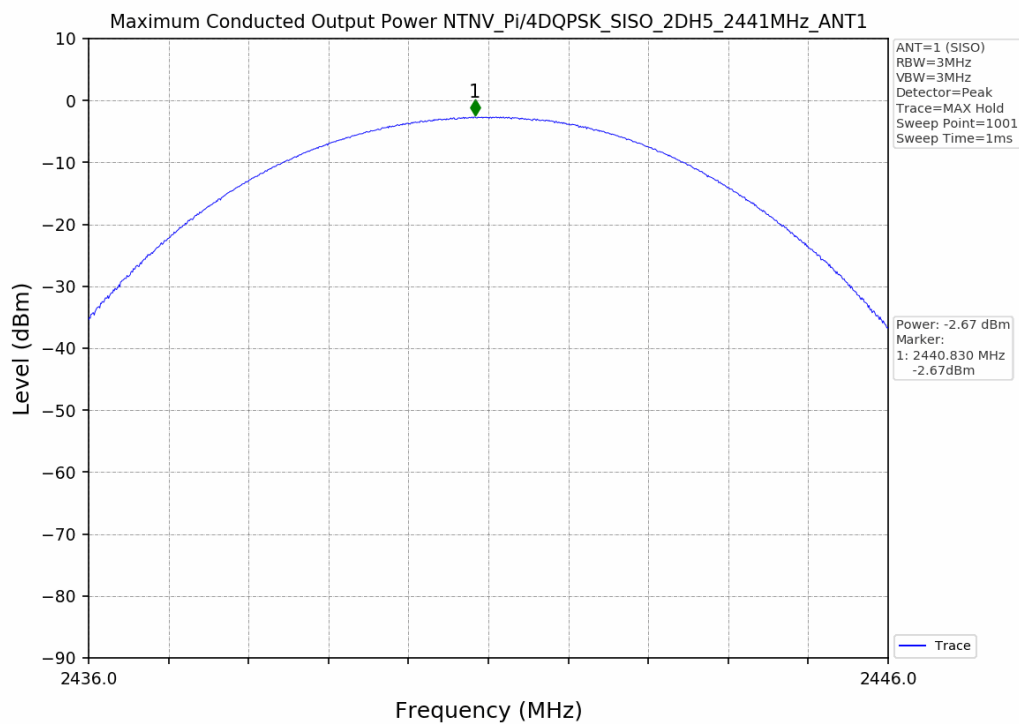
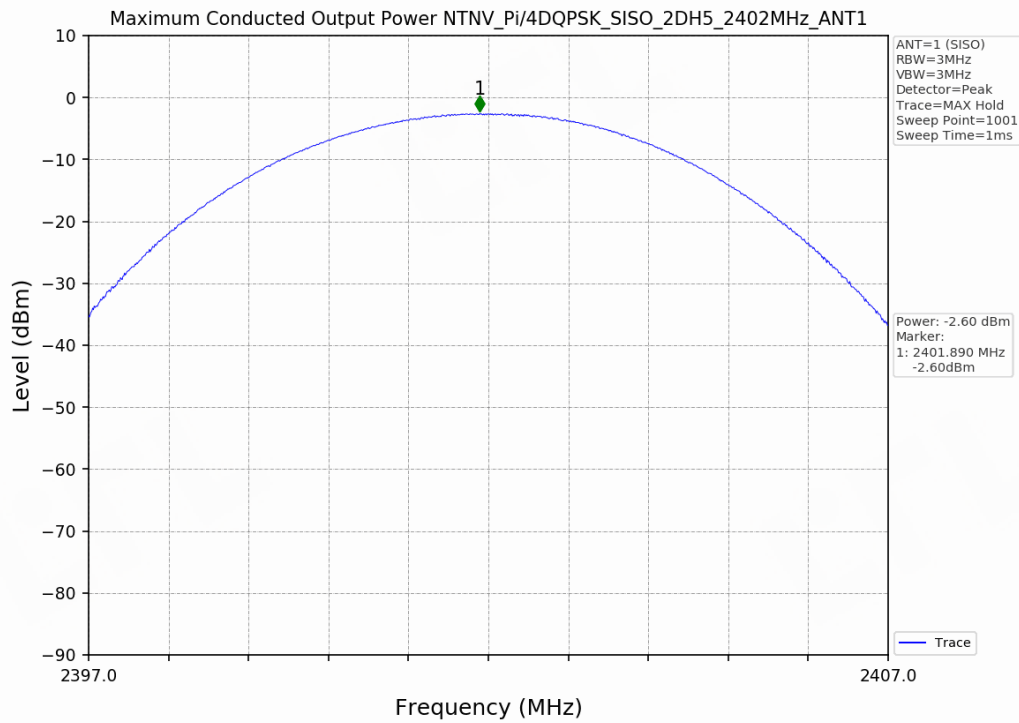
2.1 Test Result

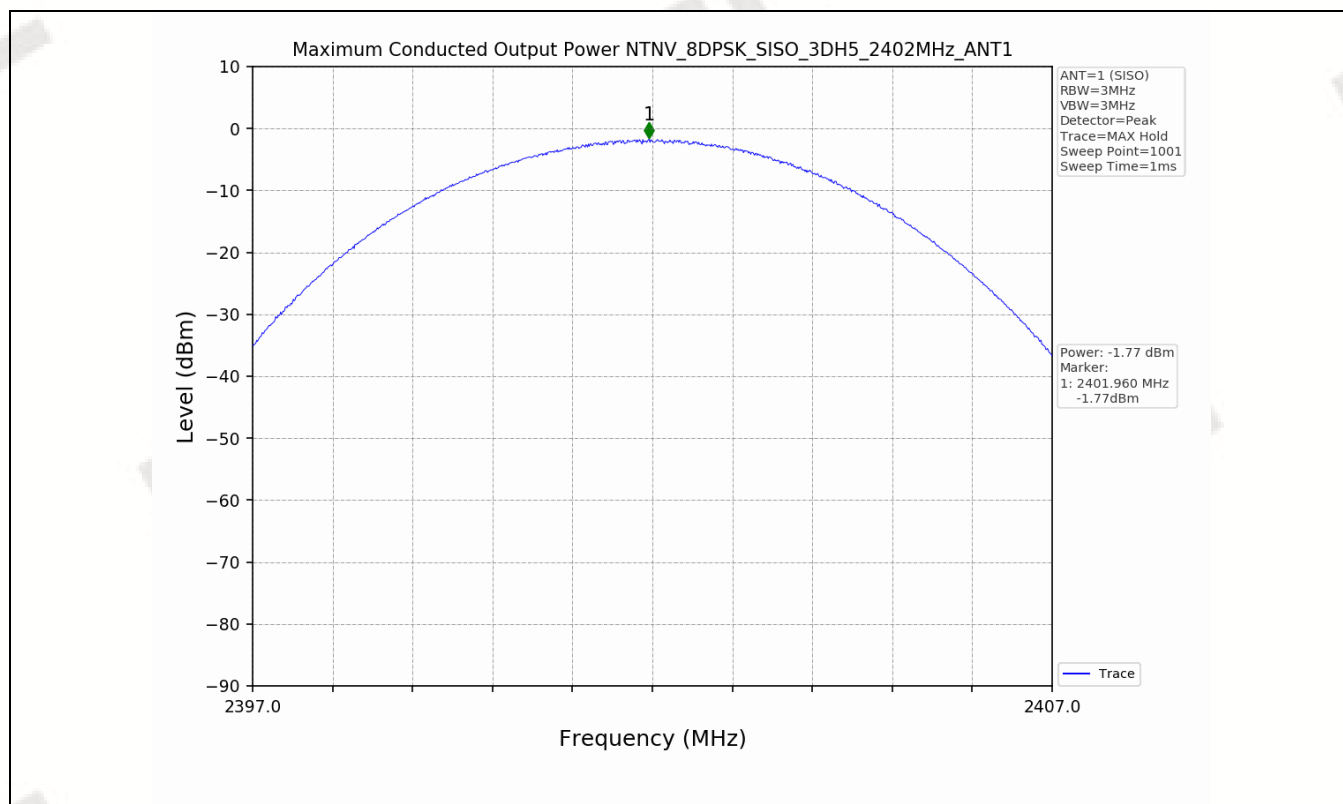
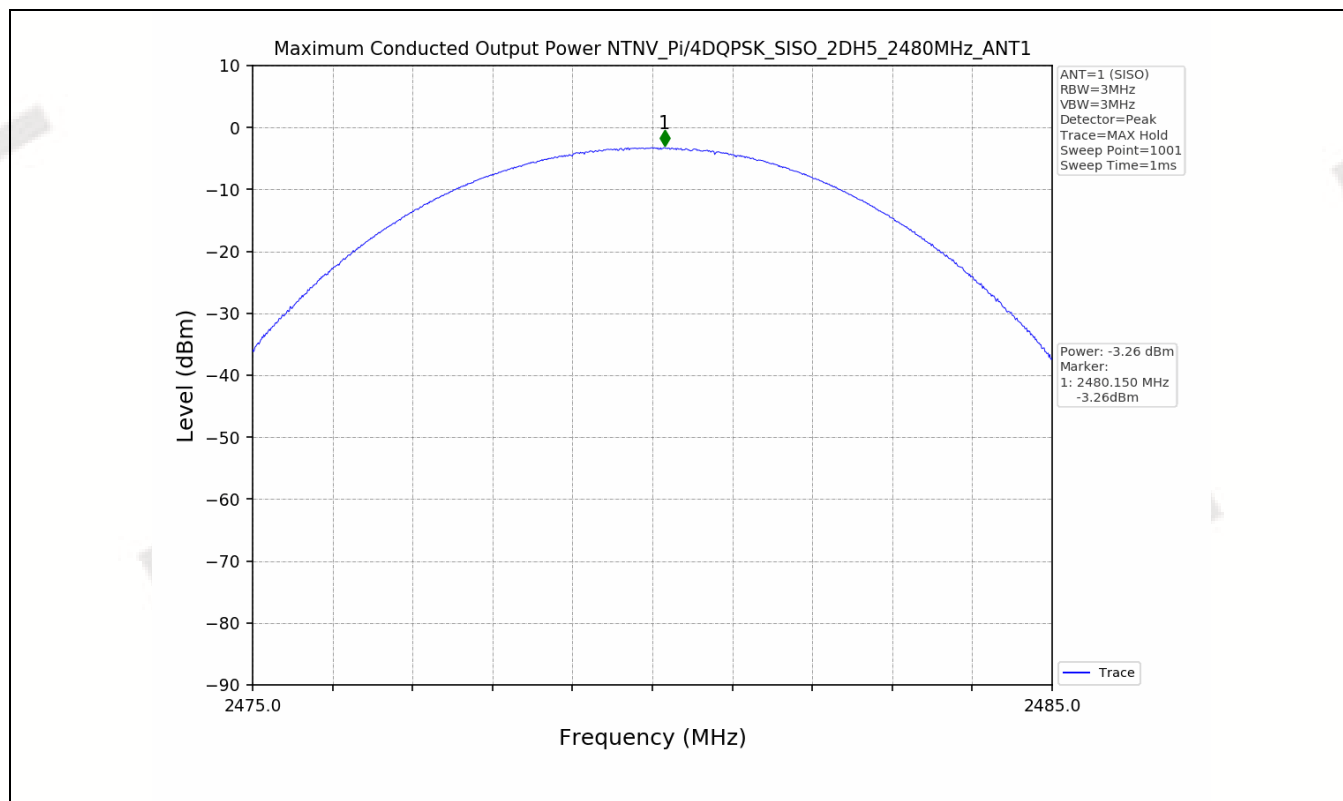
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-3.32	30	PASS
	2441	SISO	-3.38	30	PASS
	2480	SISO	-4.10	30	PASS
Pi/4DQPSK	2402	SISO	-2.60	20.97	PASS
	2441	SISO	-2.67	20.97	PASS
	2480	SISO	-3.26	20.97	PASS
8DPSK	2402	SISO	-1.77	20.97	PASS
	2441	SISO	-1.78	20.97	PASS
	2480	SISO	-2.39	20.97	PASS

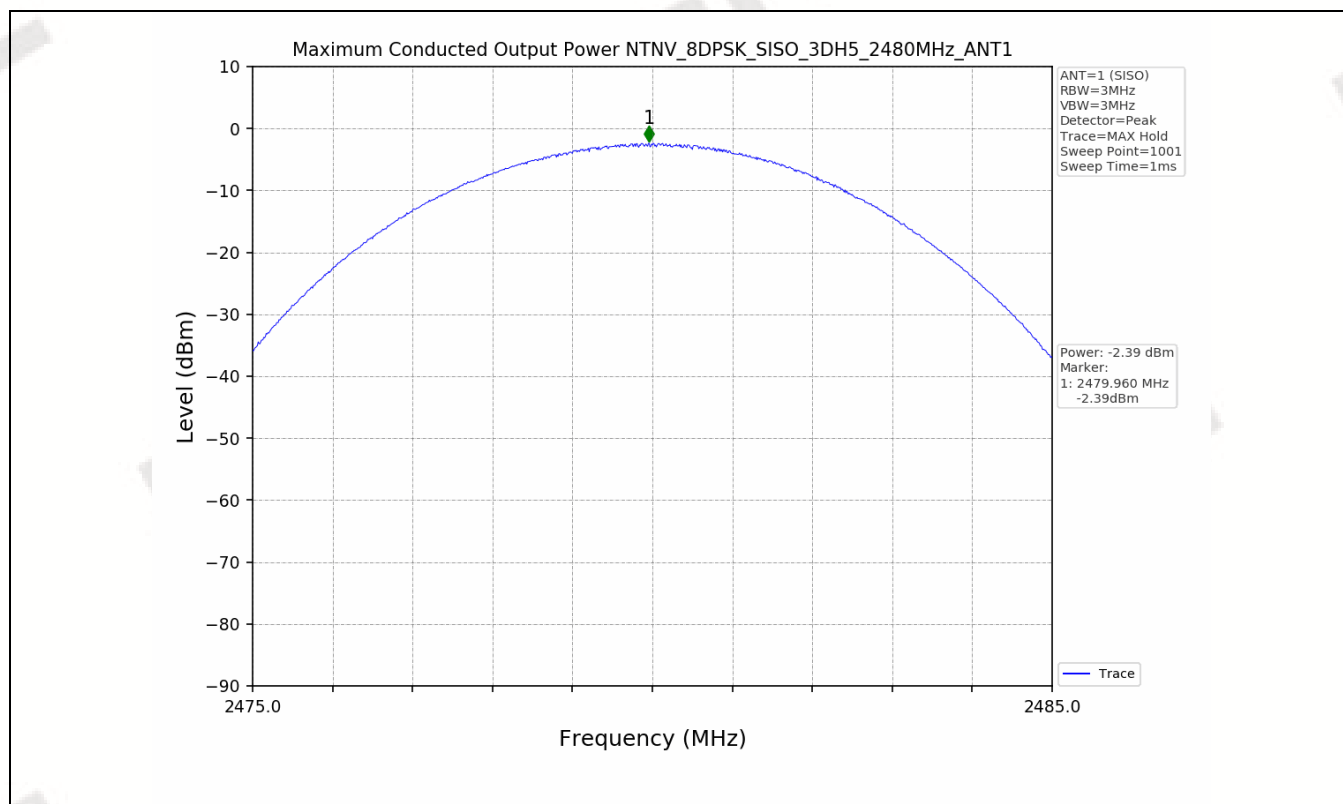
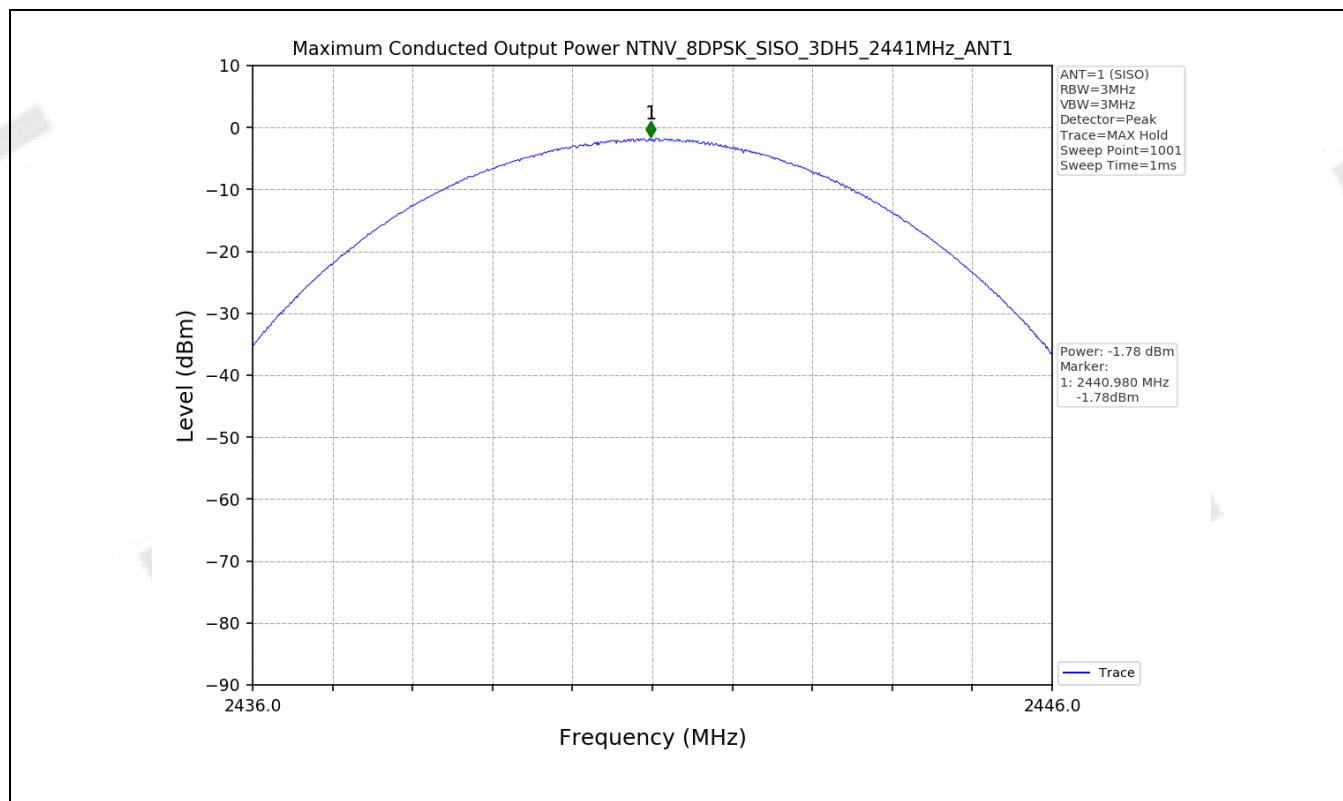
2.2 Test Graph









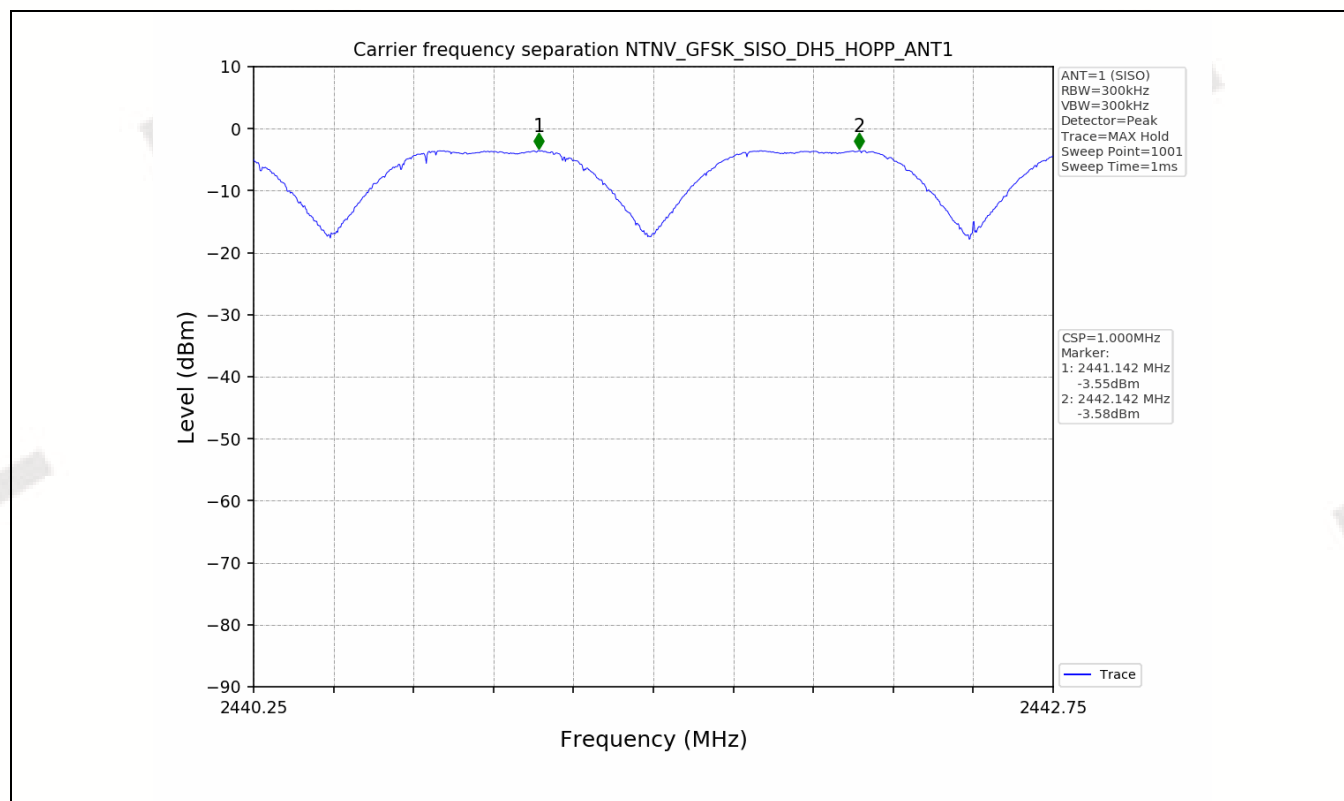


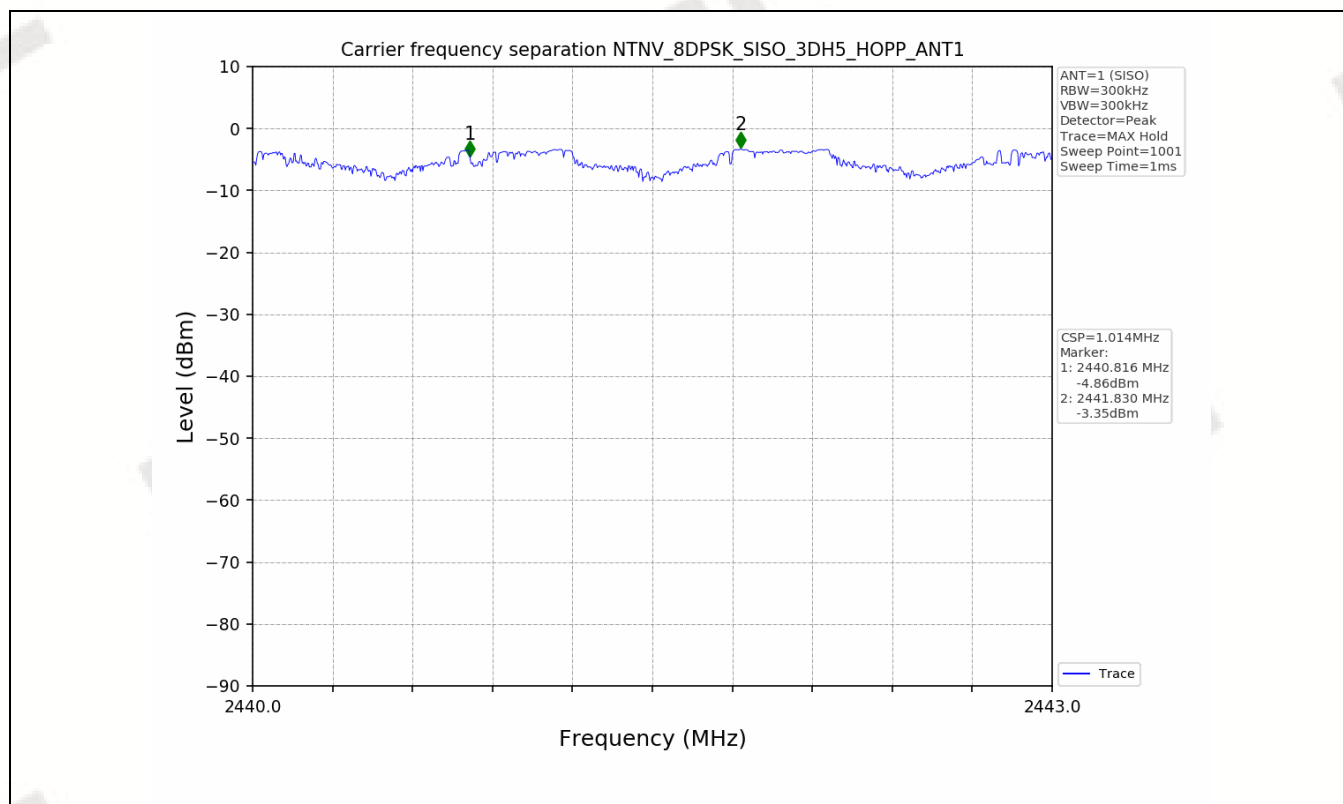
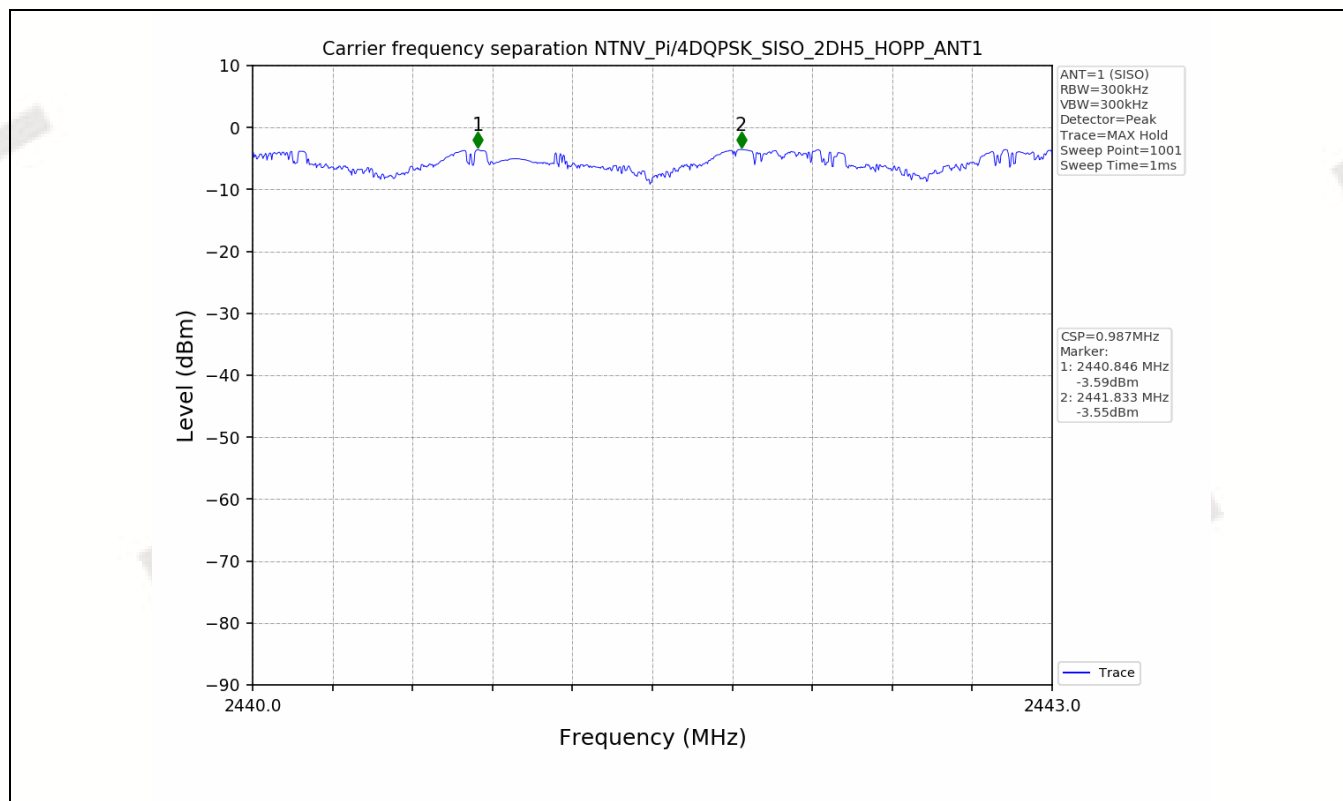
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	(MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	0.951	≥ 0.951	PASS
Pi/4DQPSK	SISO	1	0.987	1.280	≥ 0.853	PASS
8DPSK	SISO	1	1.014	1.286	≥ 0.857	PASS

3.2 Test Graph



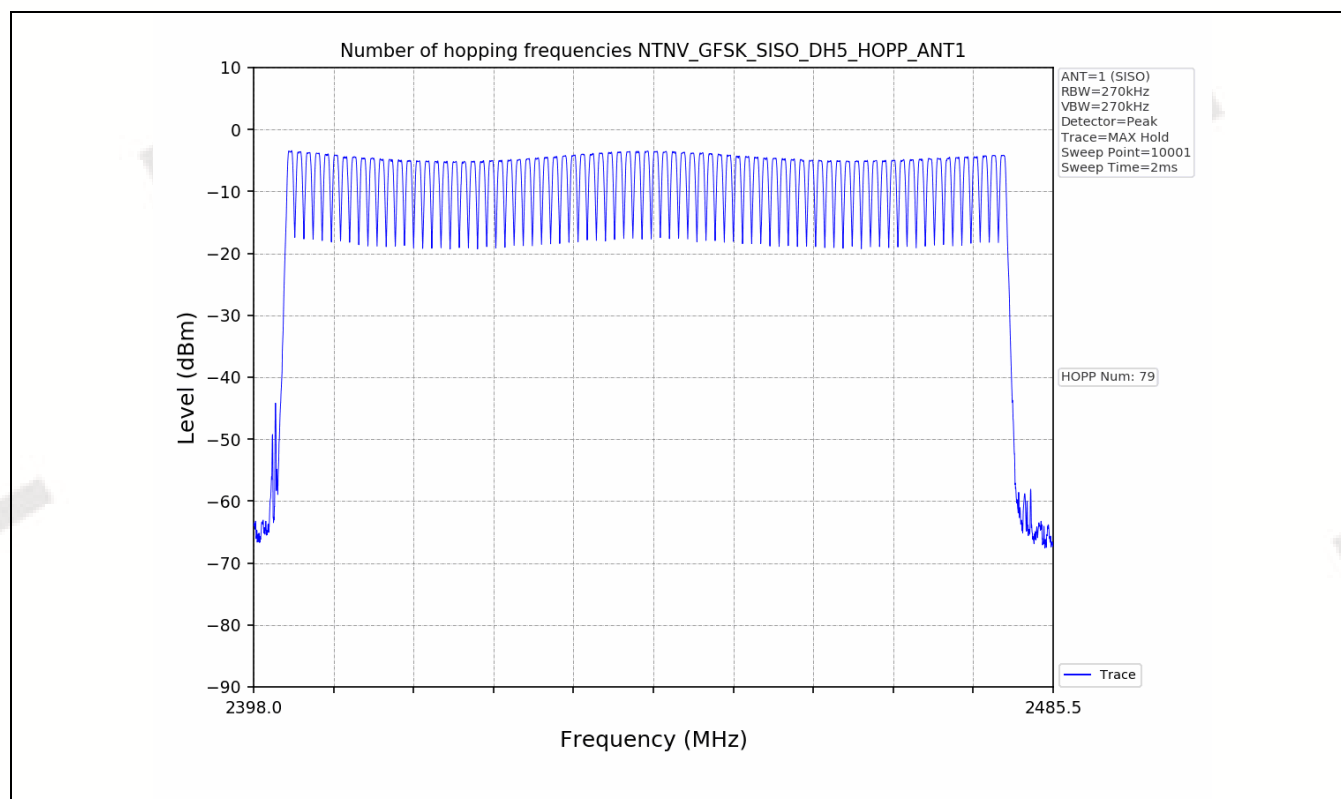


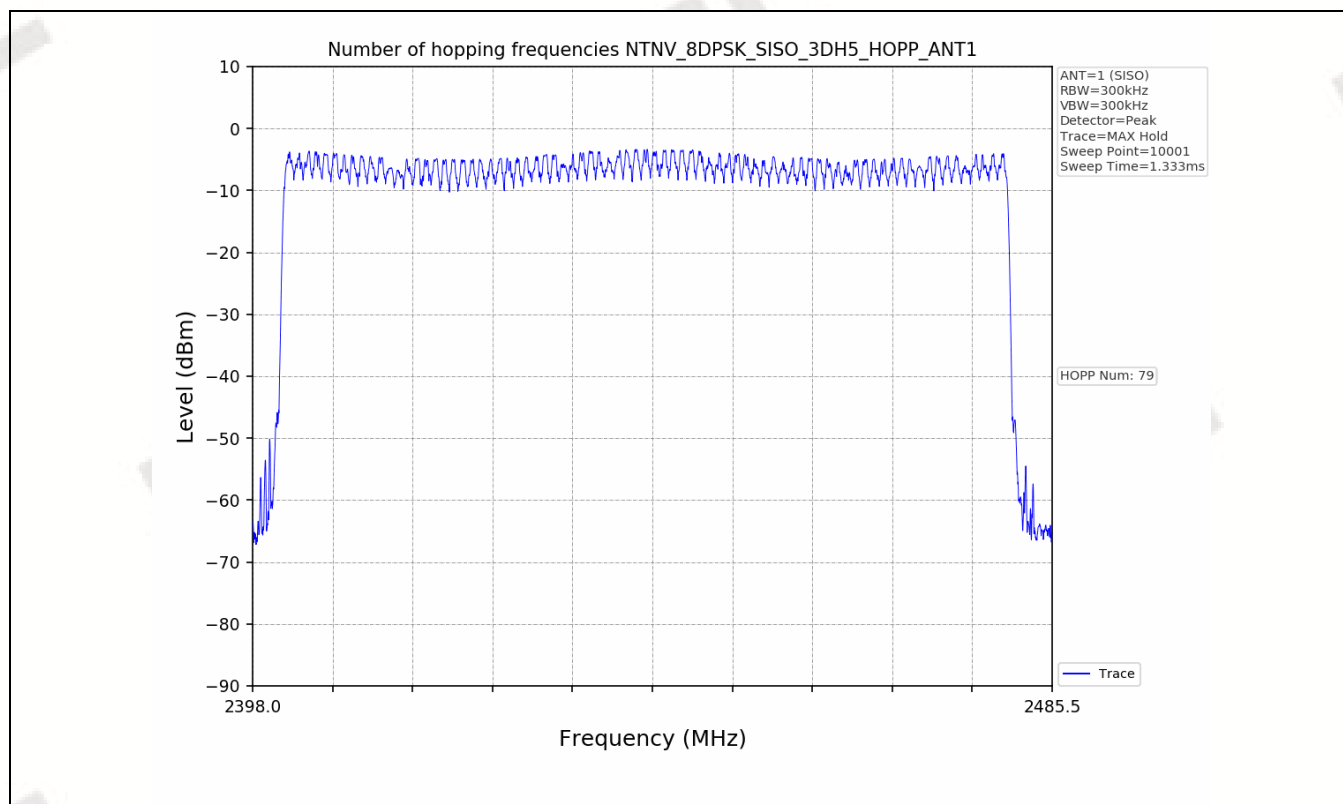
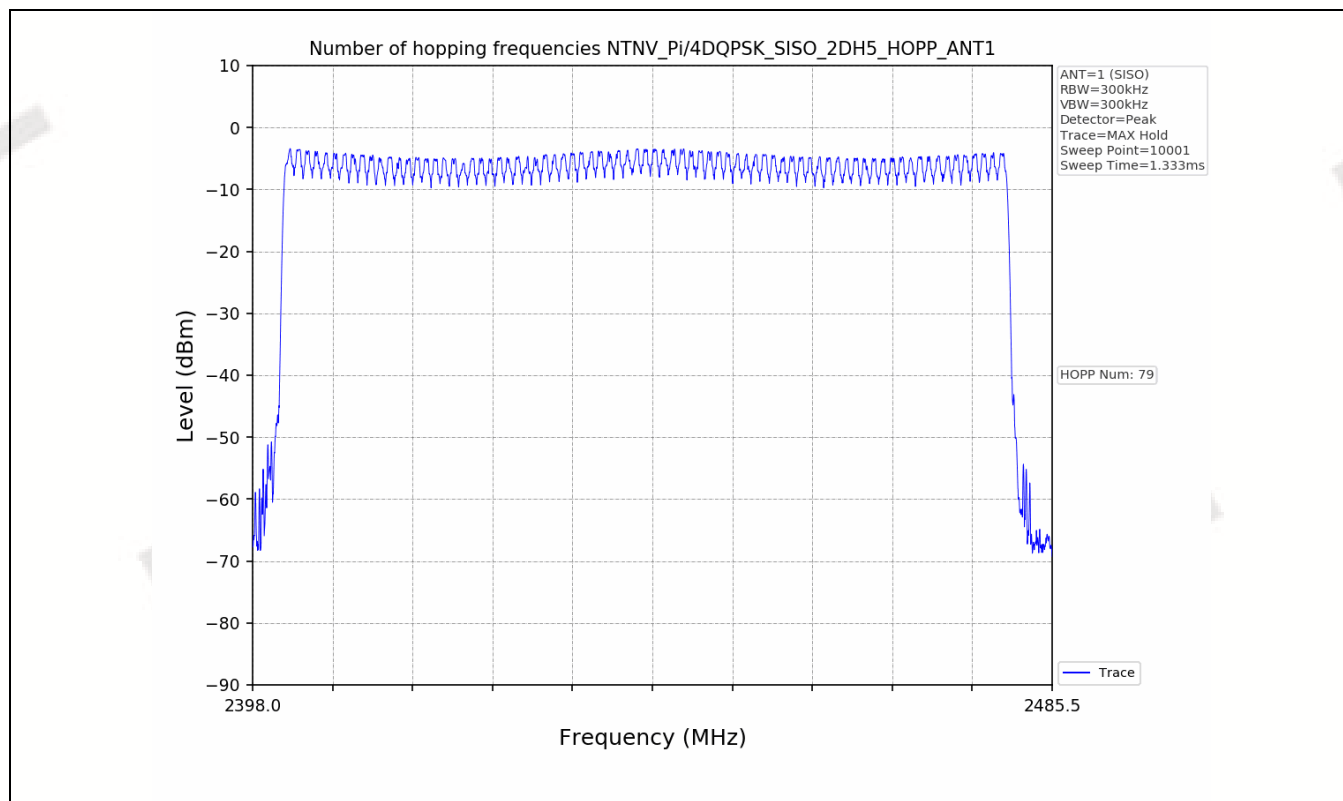
4. Number of hopping frequencies

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



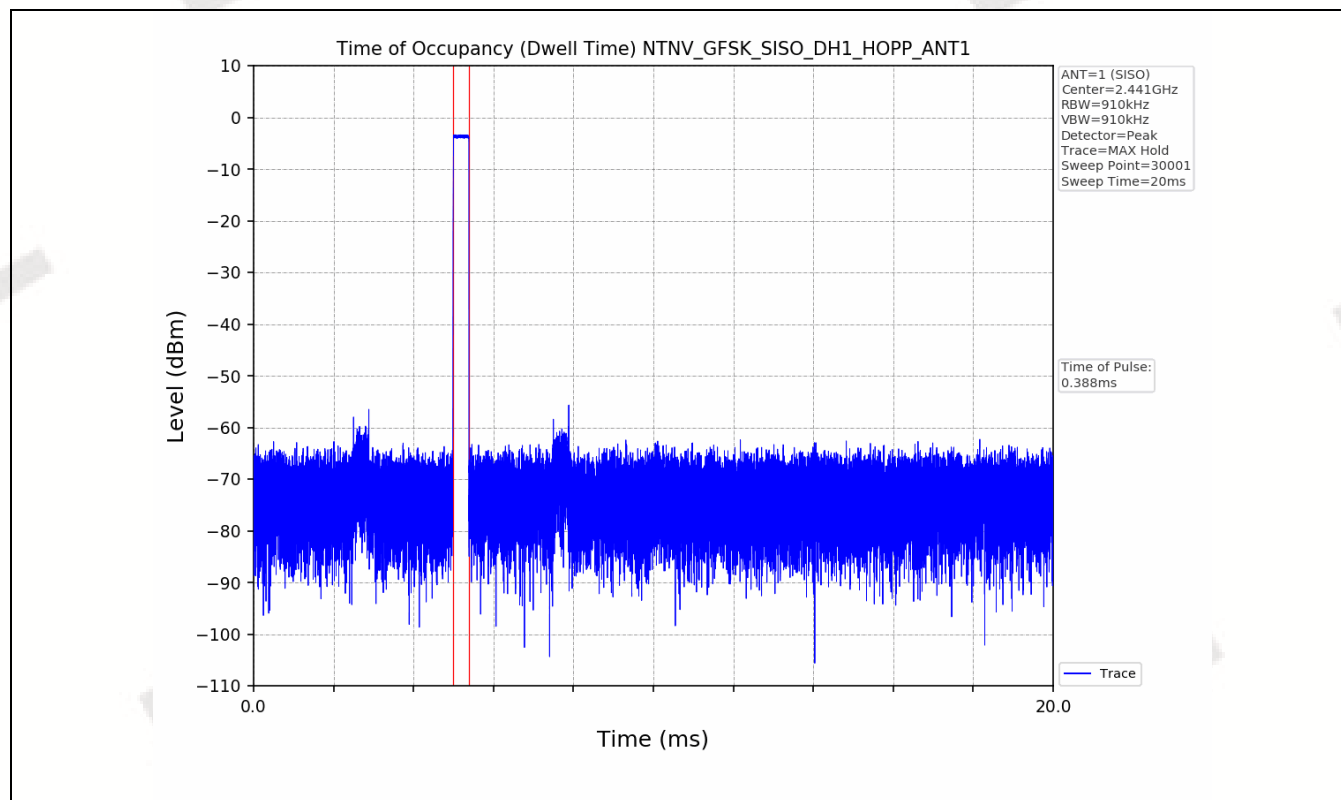


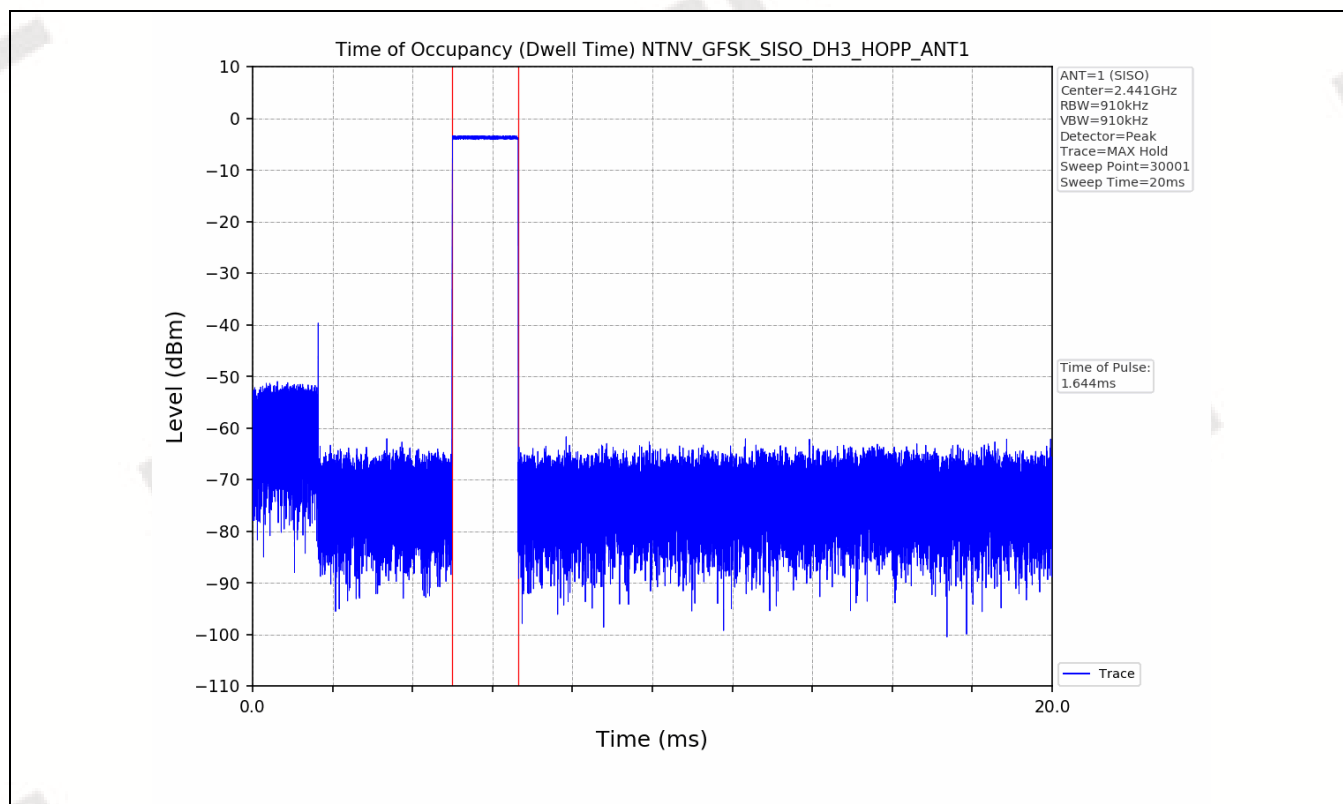
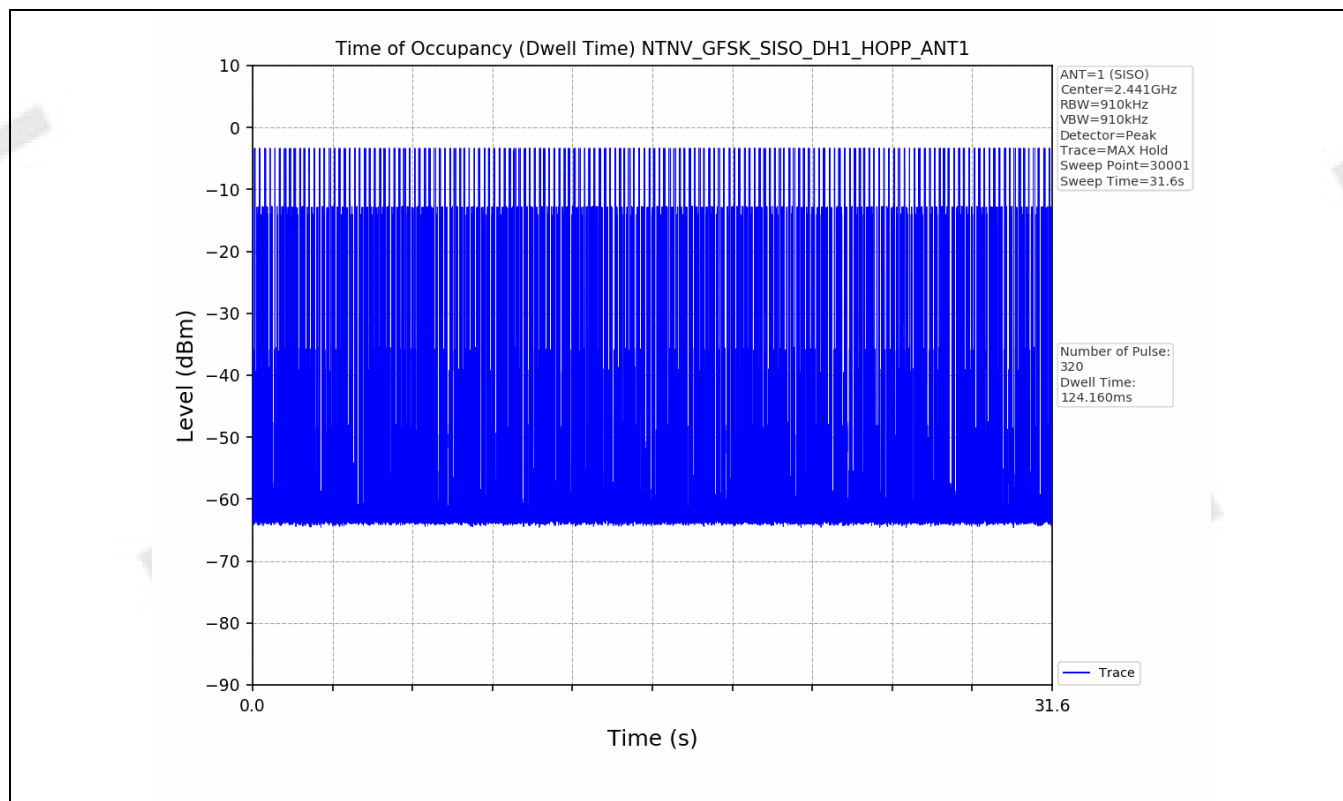
5. Time of Occupancy (Dwell Time)

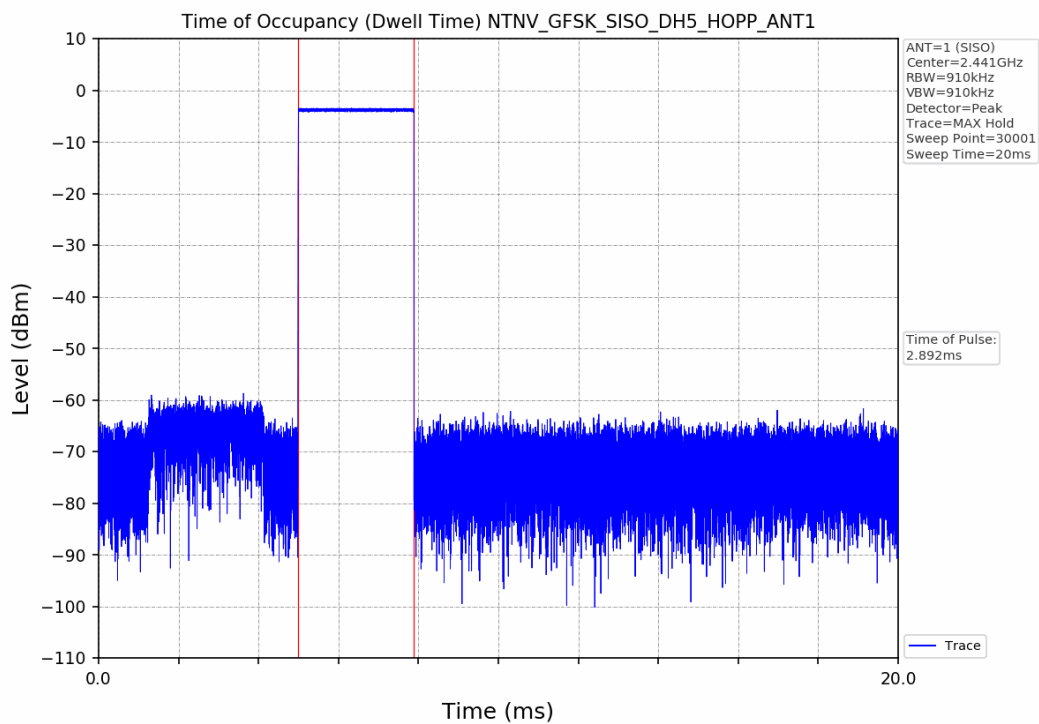
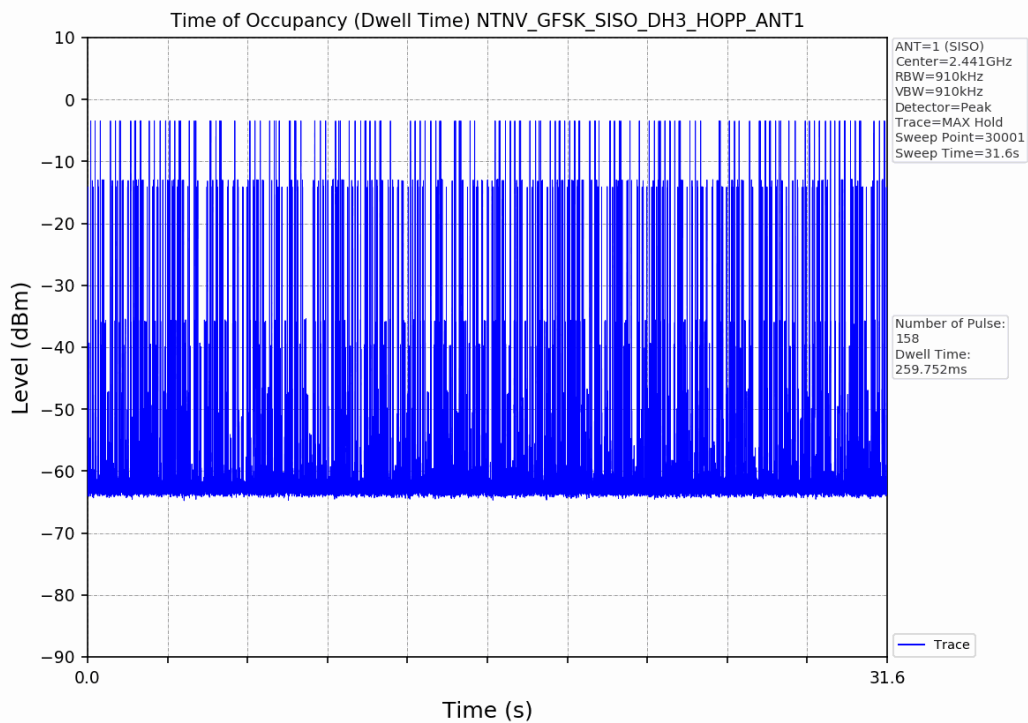
5.1 Test Result

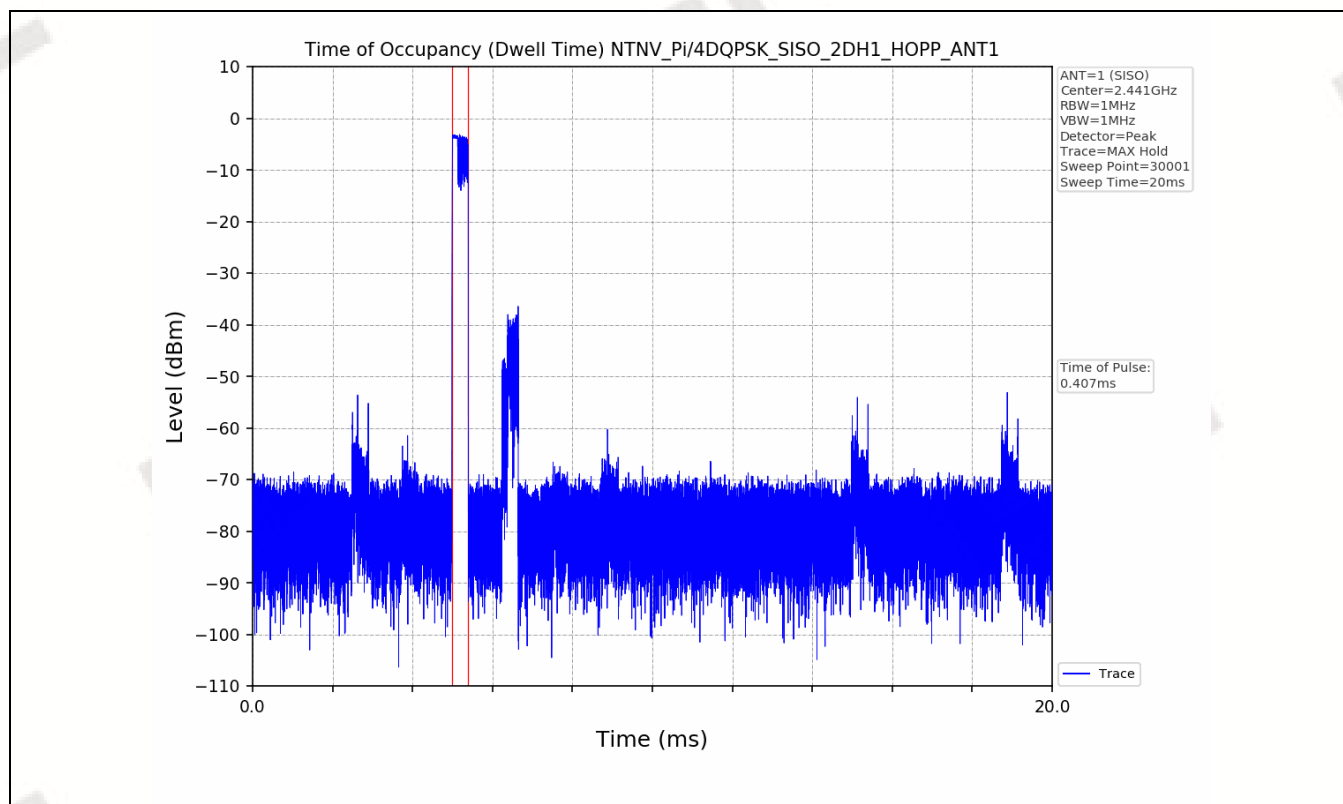
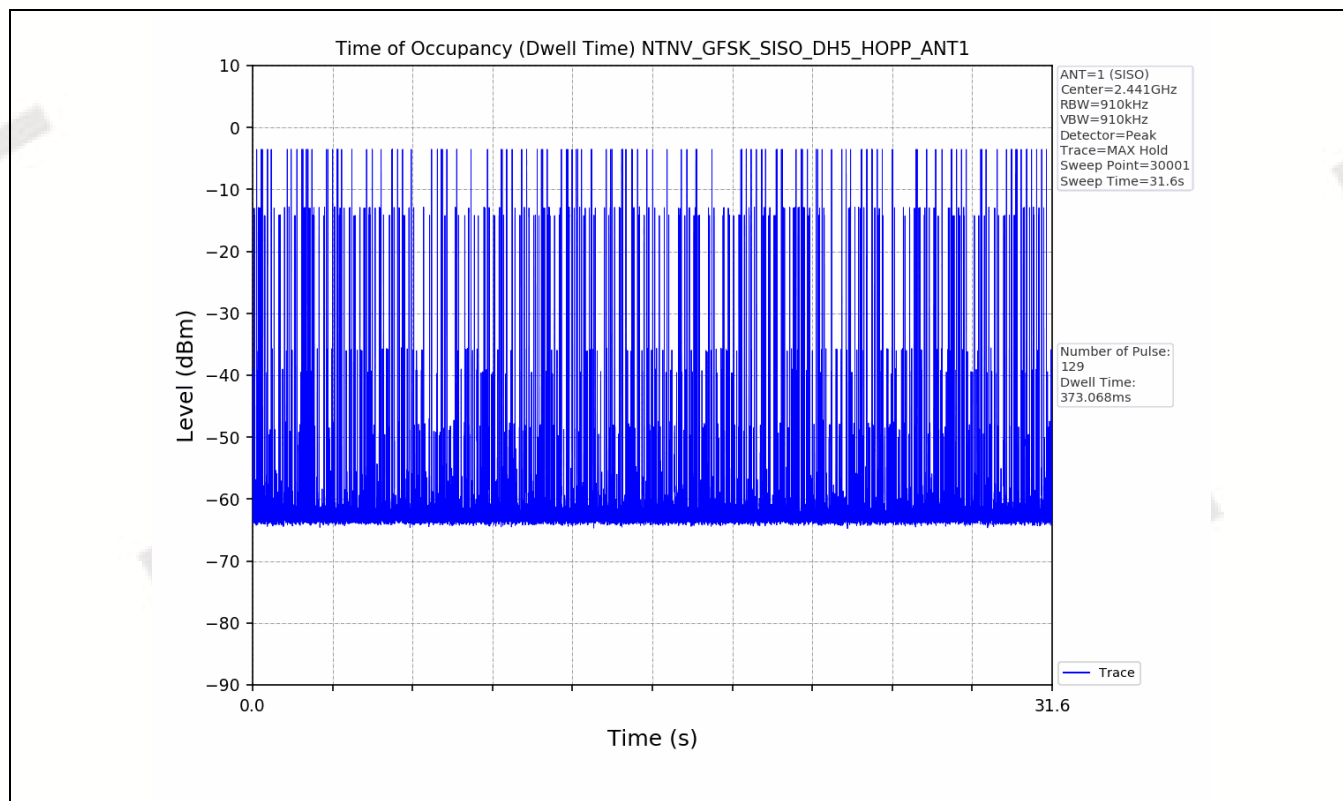
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Obeservation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.388	31.6	320	124.160	≤400	PASS
	DH3	SISO	1	1.644	31.6	158	259.752	≤400	PASS
	DH5	SISO	1	2.892	31.6	129	373.068	≤400	PASS
Pi/4D QPS K	2DH1	SISO	1	0.407	31.6	319	129.833	≤400	PASS
	2DH3	SISO	1	1.654	31.6	155	256.370	≤400	PASS
	2DH5	SISO	1	2.904	31.6	102	296.208	≤400	PASS
8DPS K	3DH1	SISO	1	0.410	31.6	320	131.200	≤400	PASS
	3DH3	SISO	1	1.660	31.6	158	262.280	≤400	PASS
	3DH5	SISO	1	2.911	31.6	106	308.566	≤400	PASS

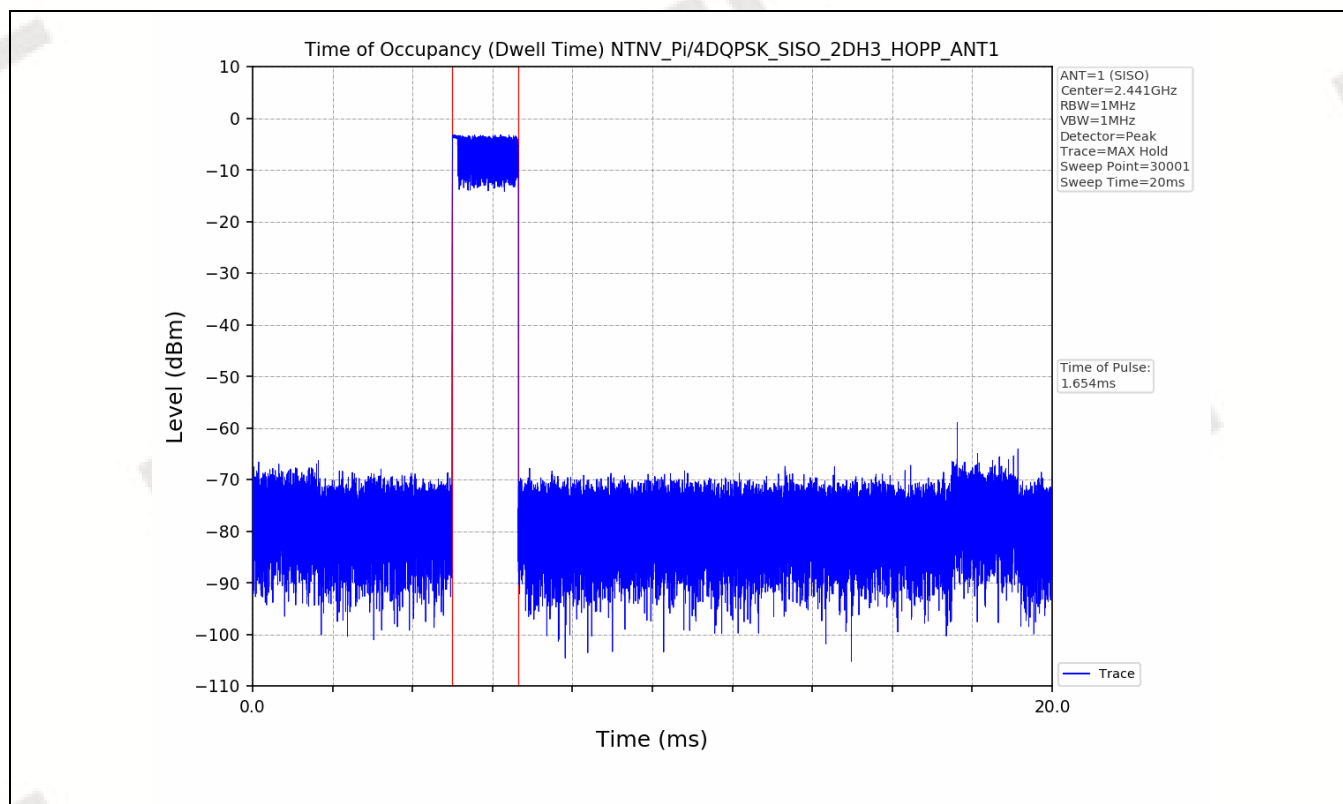
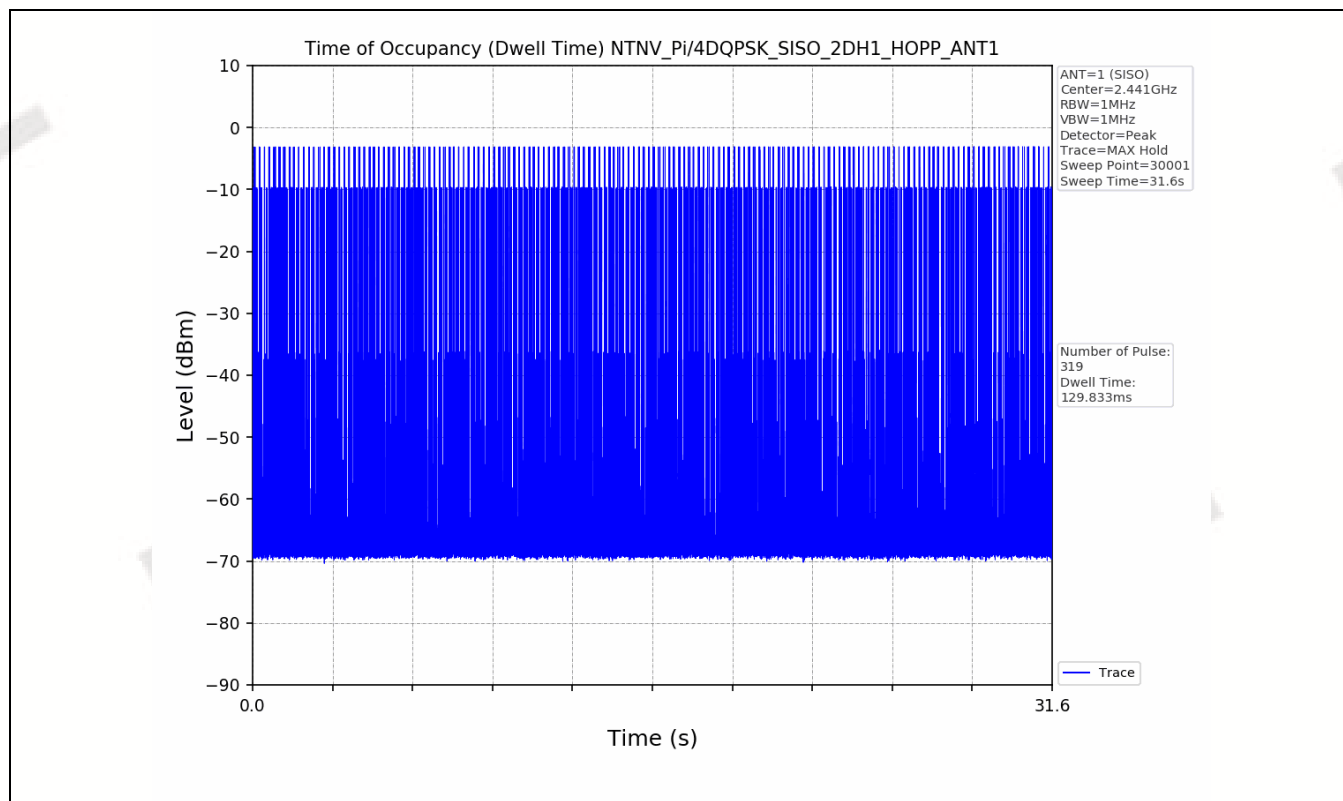
5.2 Test Graph

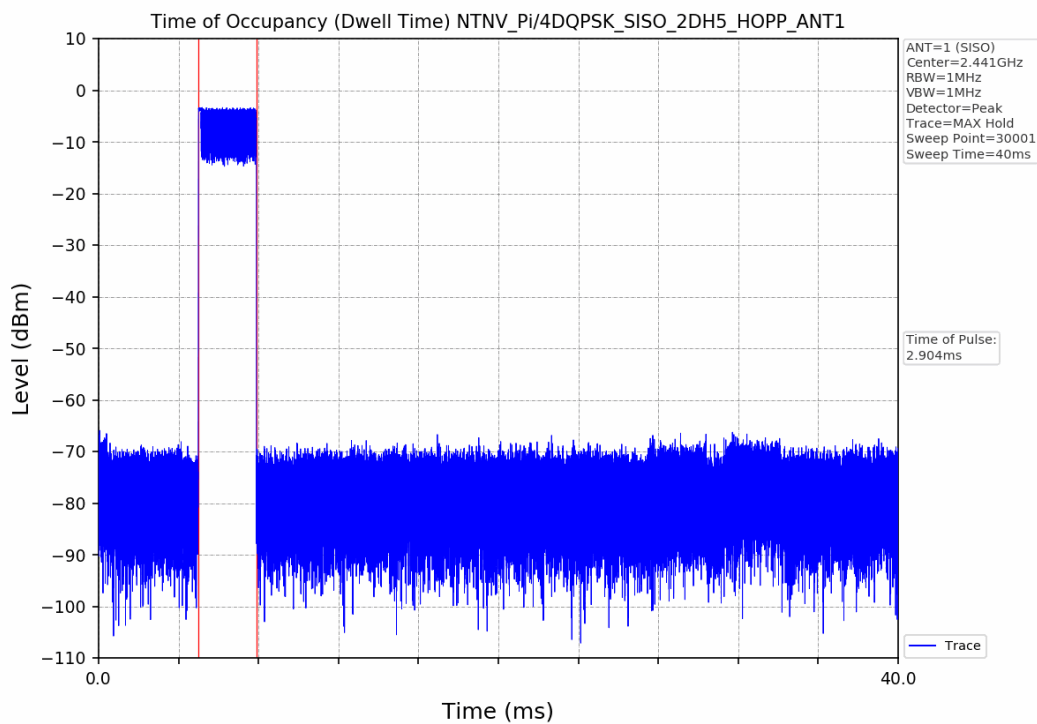
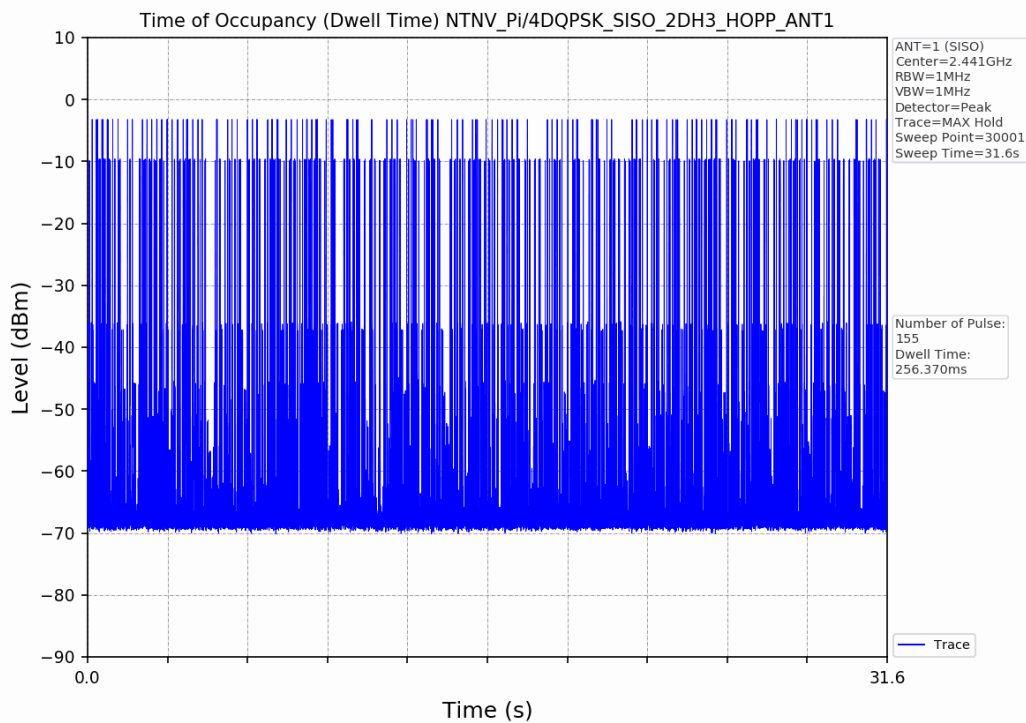


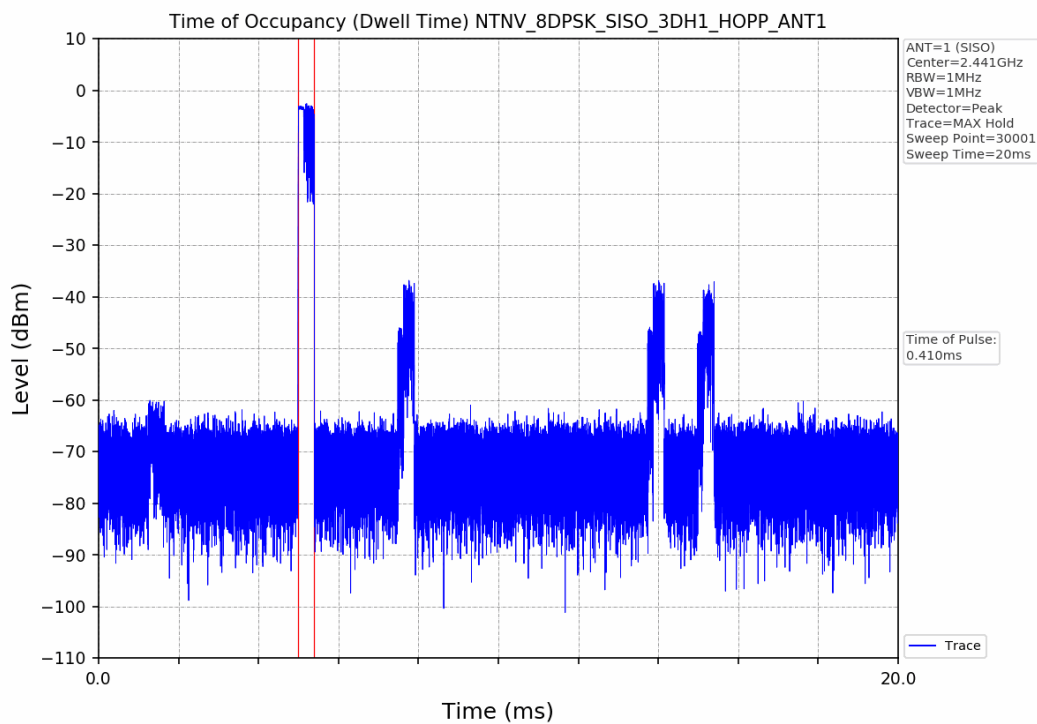
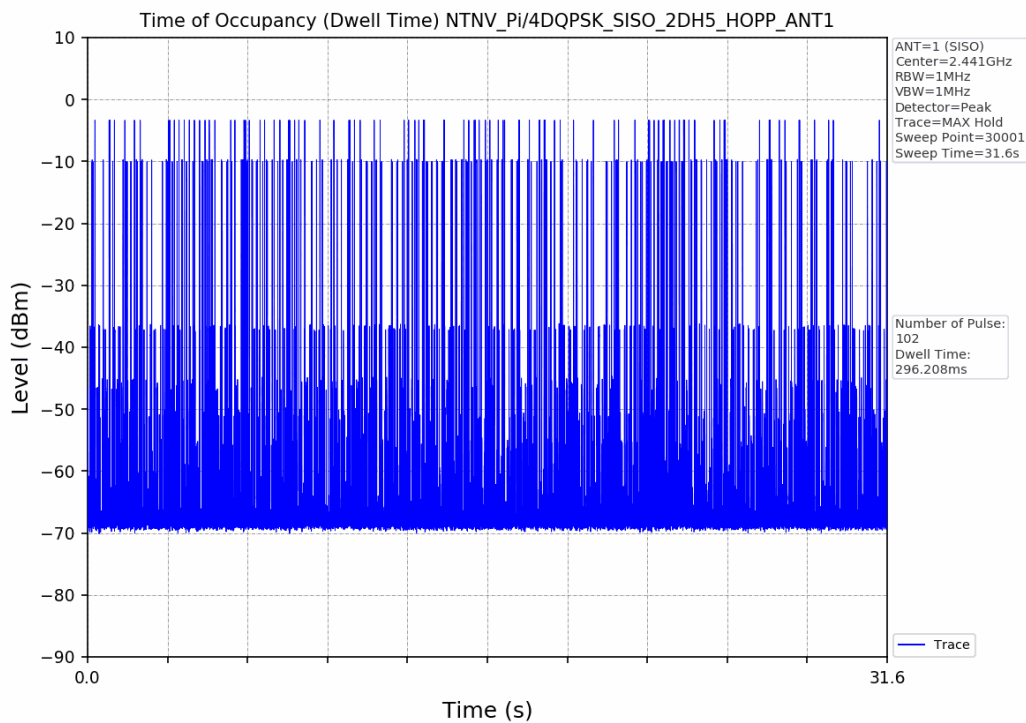


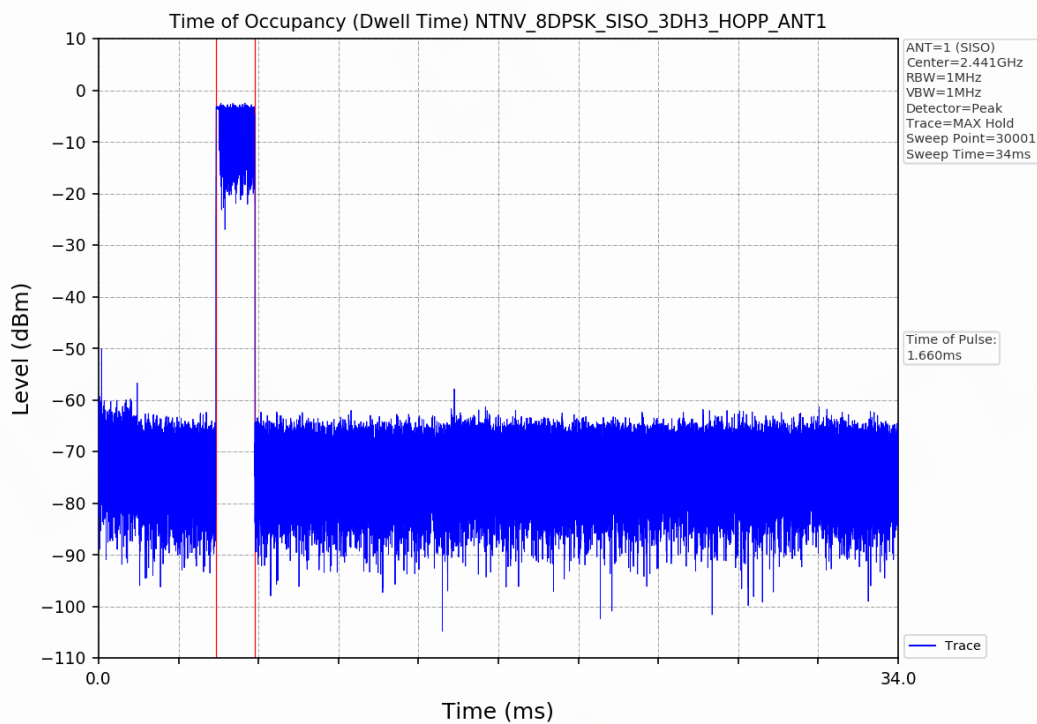
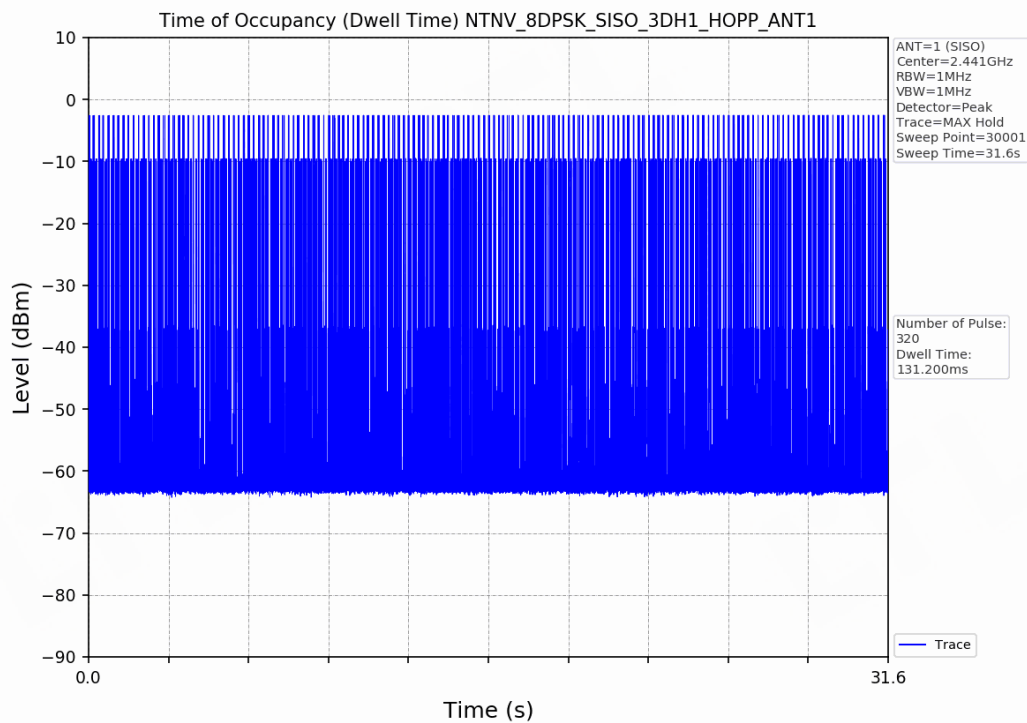


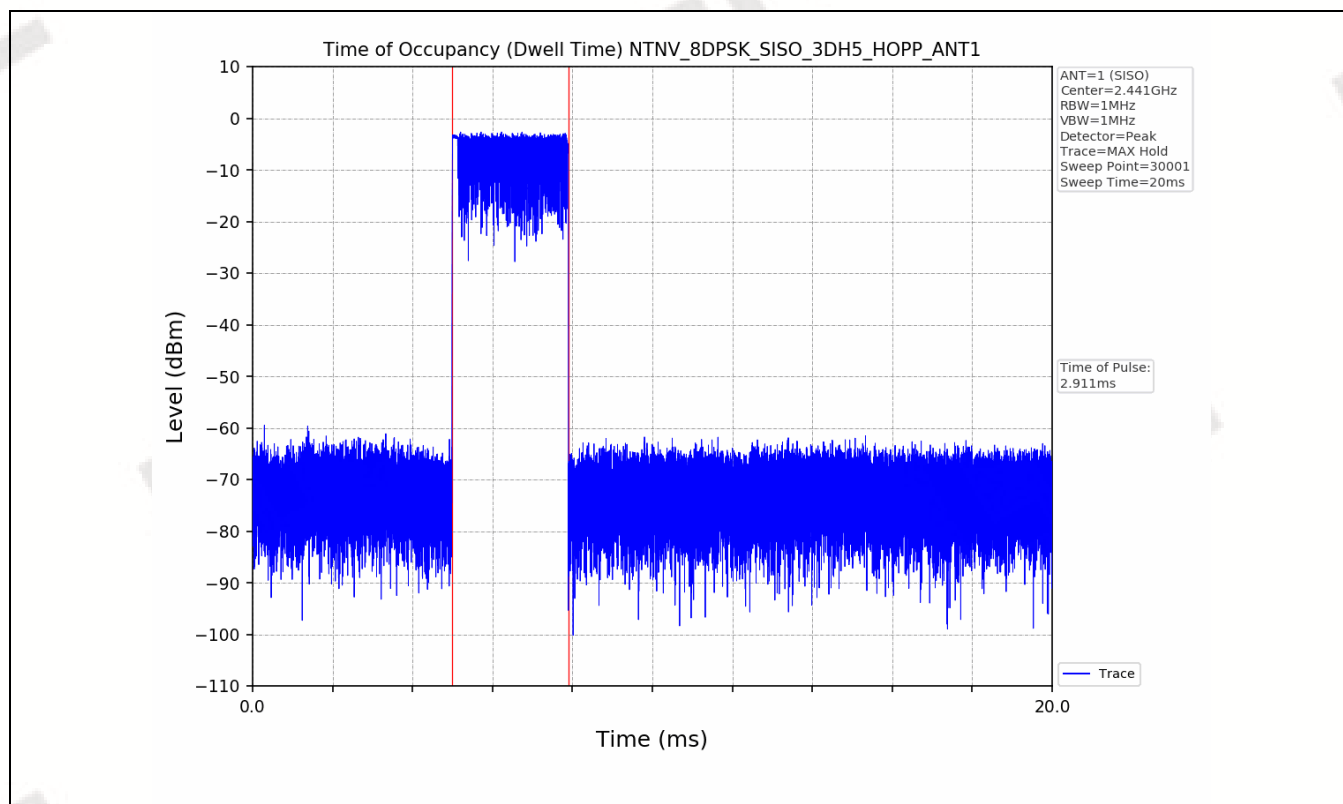
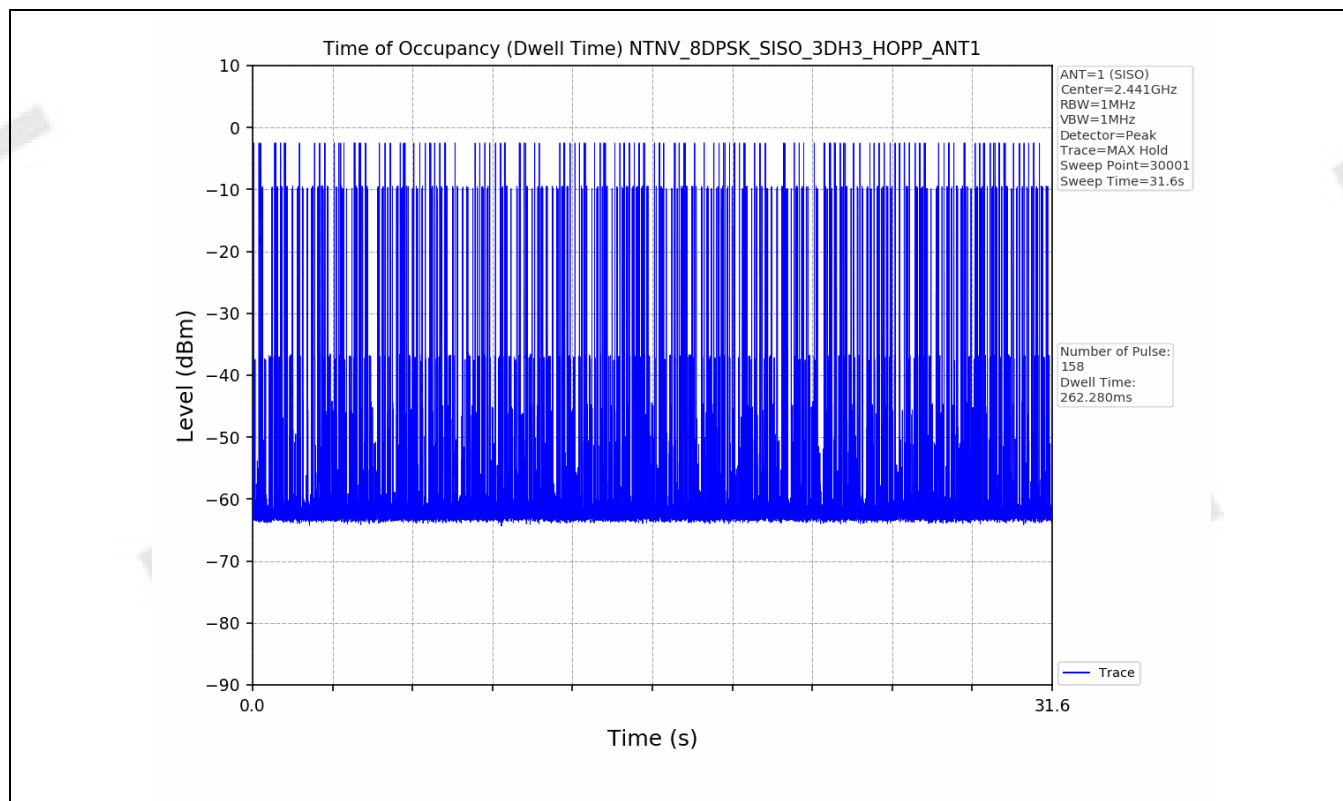


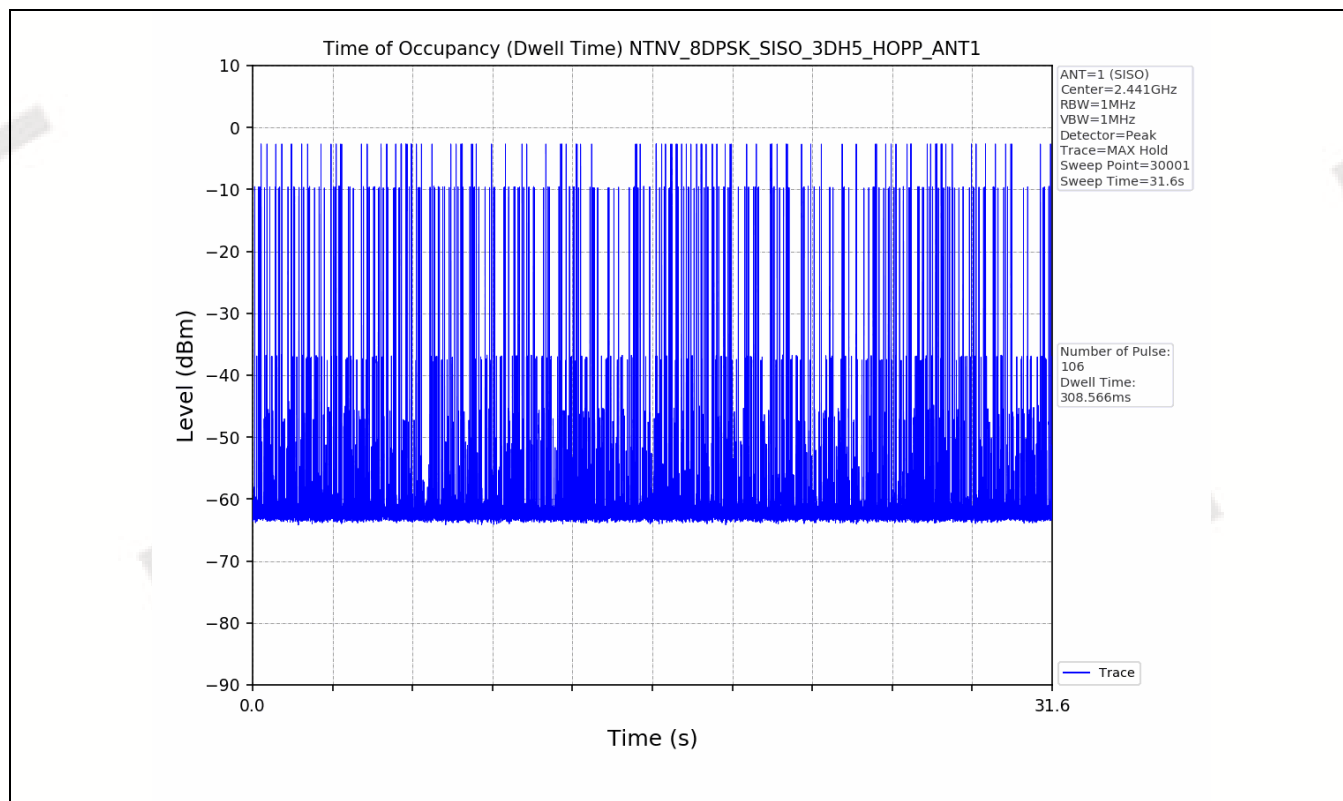












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-23.49	PASS
	2441	SISO	1	Refer to test graph	-23.49	PASS
	2480	SISO	1	Refer to test graph	-23.49	PASS
	Hopping	SISO	1	Refer to test graph	-23.49	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-24.08	PASS
	2441	SISO	1	Refer to test graph	-24.08	PASS
	2480	SISO	1	Refer to test graph	-24.08	PASS
	Hopping	SISO	1	Refer to test graph	-24.08	PASS
8DPSK	2402	SISO	1	Refer to test graph	-23.39	PASS
	2441	SISO	1	Refer to test graph	-23.39	PASS
	2480	SISO	1	Refer to test graph	-23.39	PASS
	Hopping	SISO	1	Refer to test graph	-23.39	PASS

6.2 Test Graph

