

Appendix for 15.247

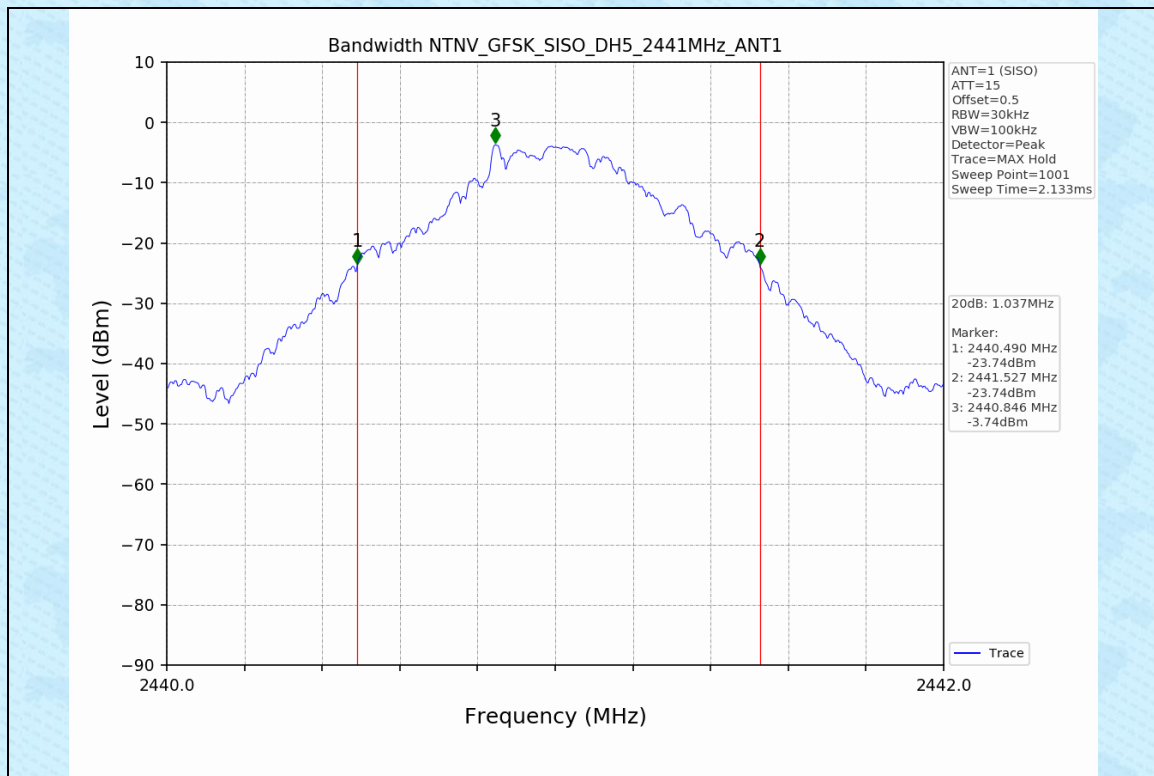
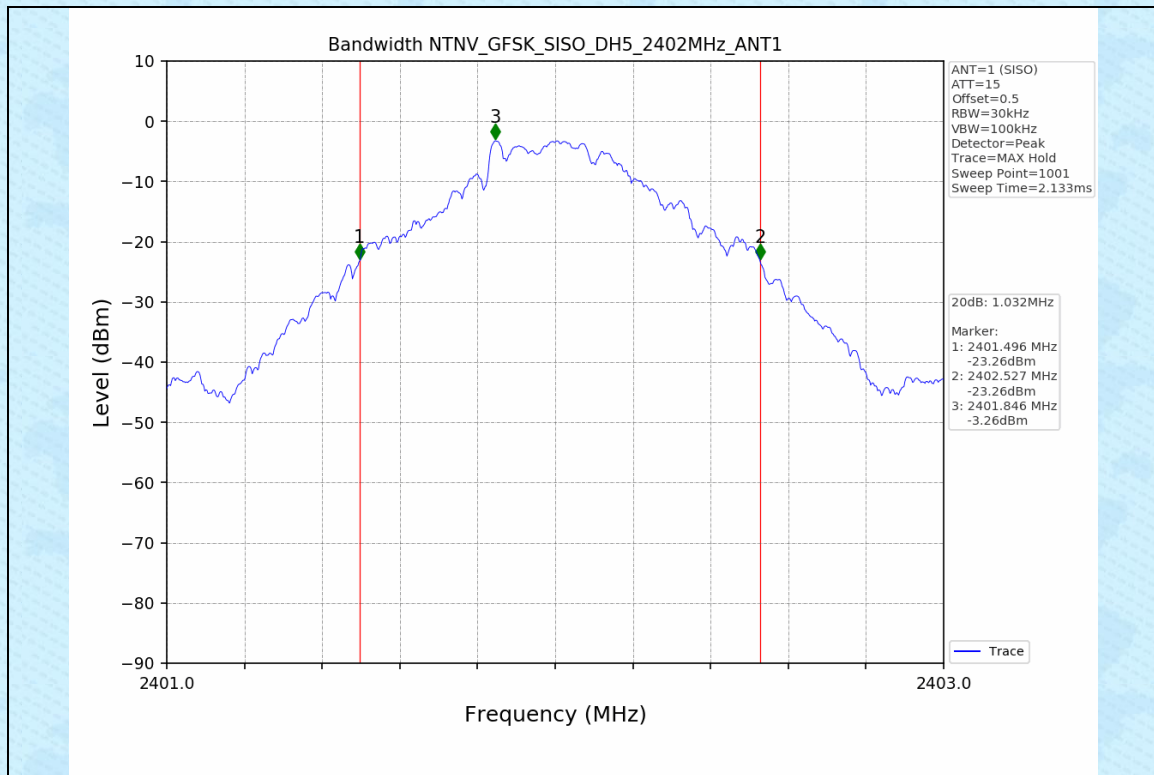
1. Bandwidth

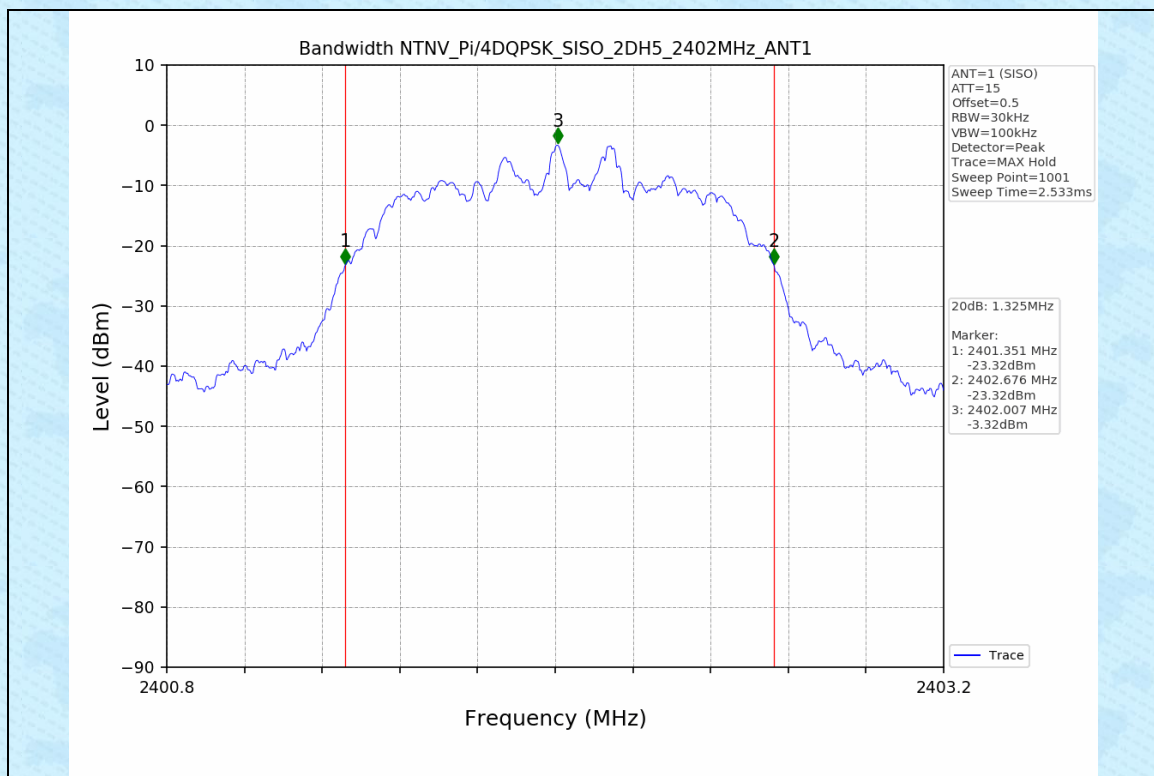
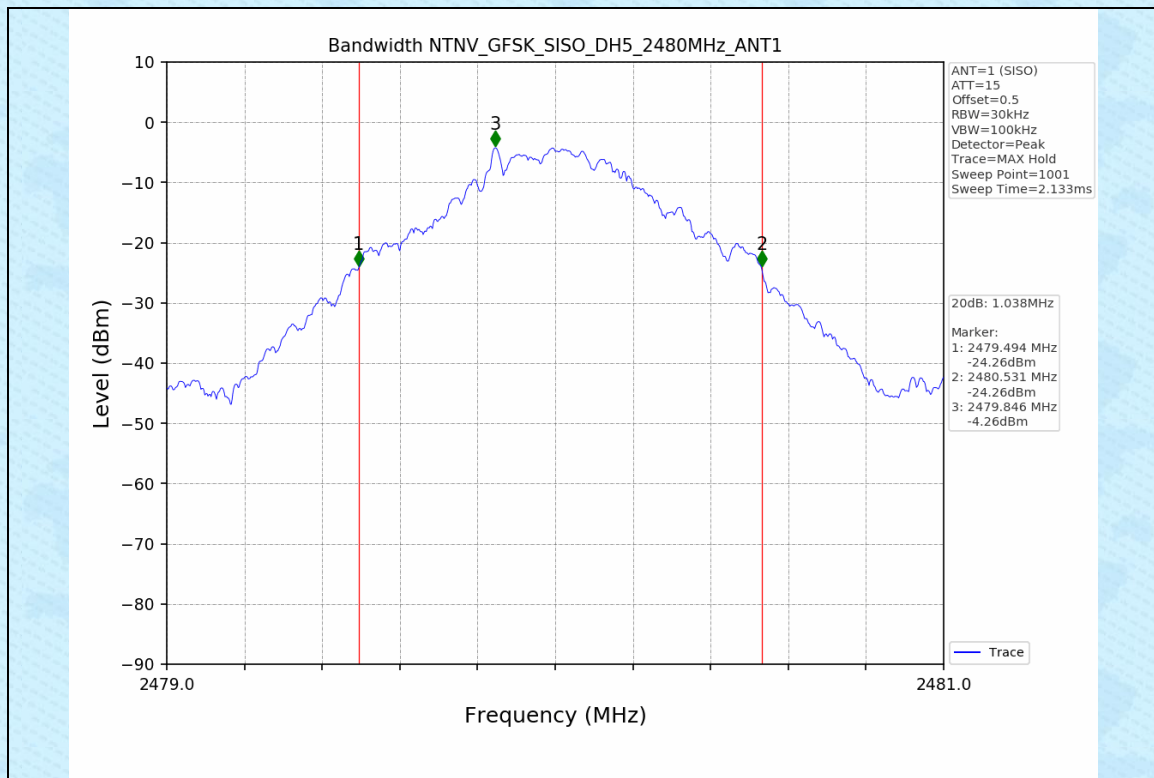
1.1 Test Result

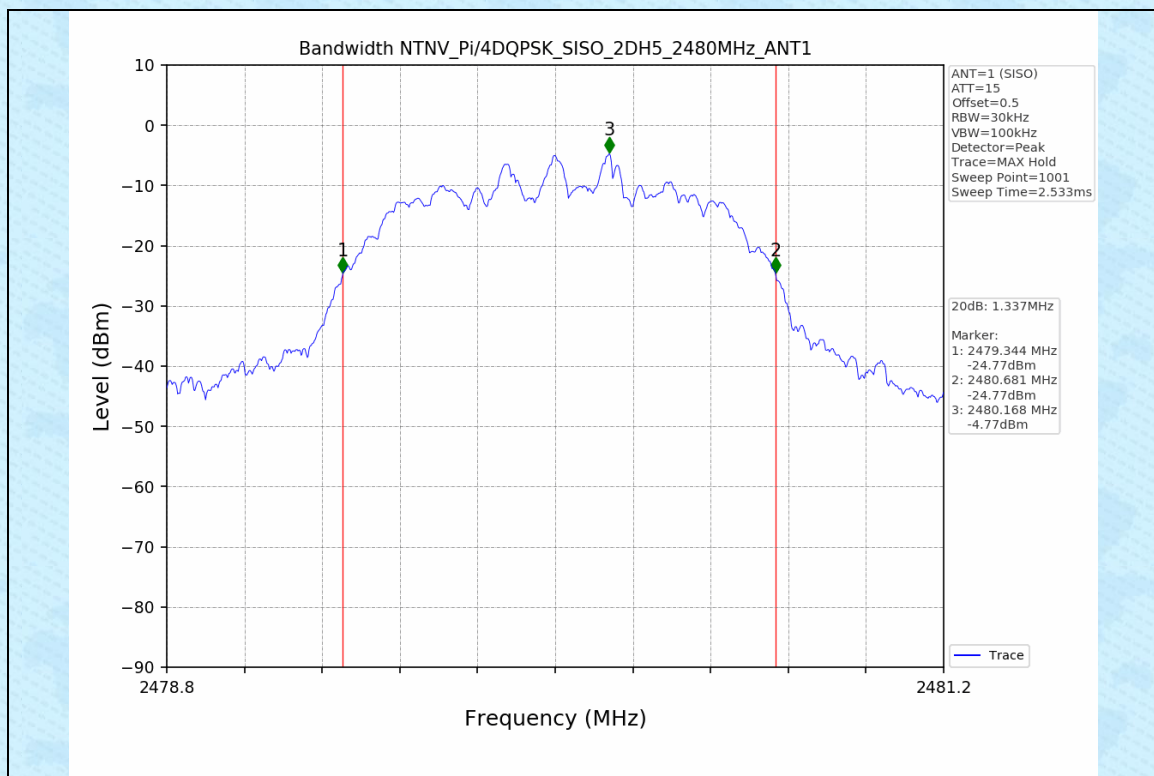
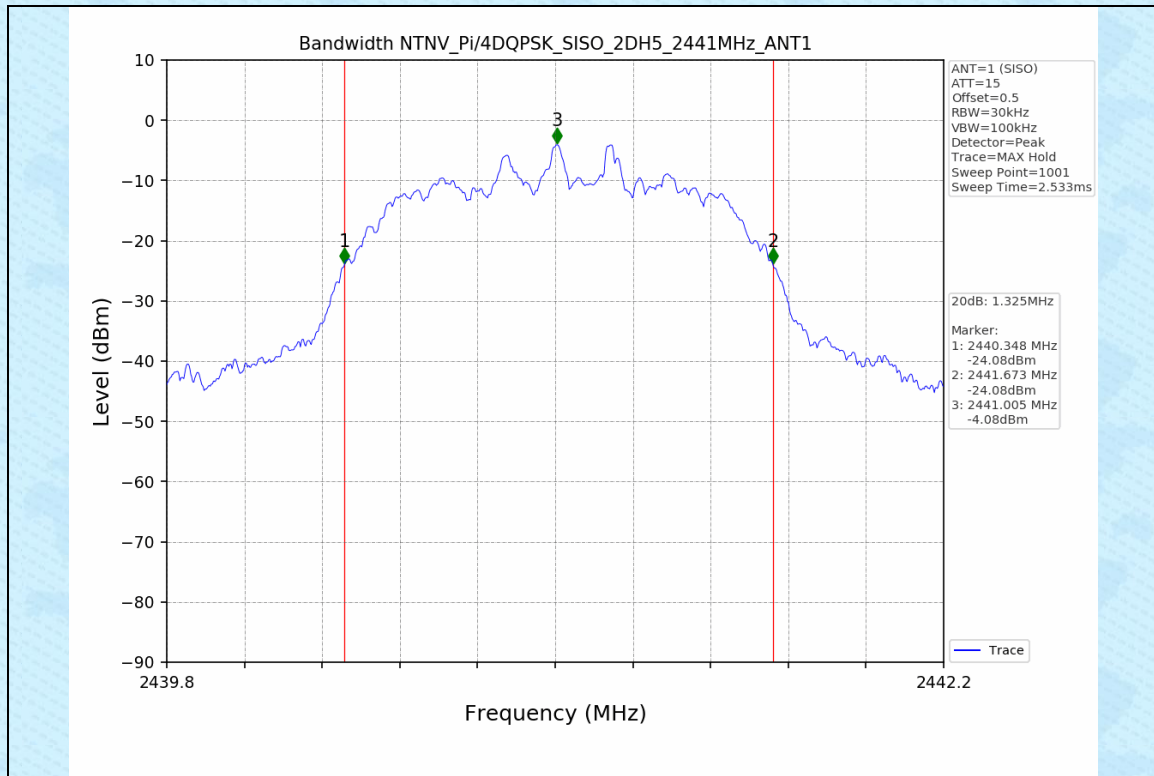
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	ANT1	1.032	PASS
	2441	SISO	ANT1	1.037	PASS
	2480	SISO	ANT1	1.038	PASS
$\pi/4$ DQPSK	2402	SISO	ANT1	1.325	PASS
	2441	SISO	ANT1	1.325	PASS
	2480	SISO	ANT1	1.337	PASS
8-DPSK	2402	SISO	ANT1	1.308	PASS
	2441	SISO	ANT1	1.300	PASS
	2480	SISO	ANT1	1.297	PASS

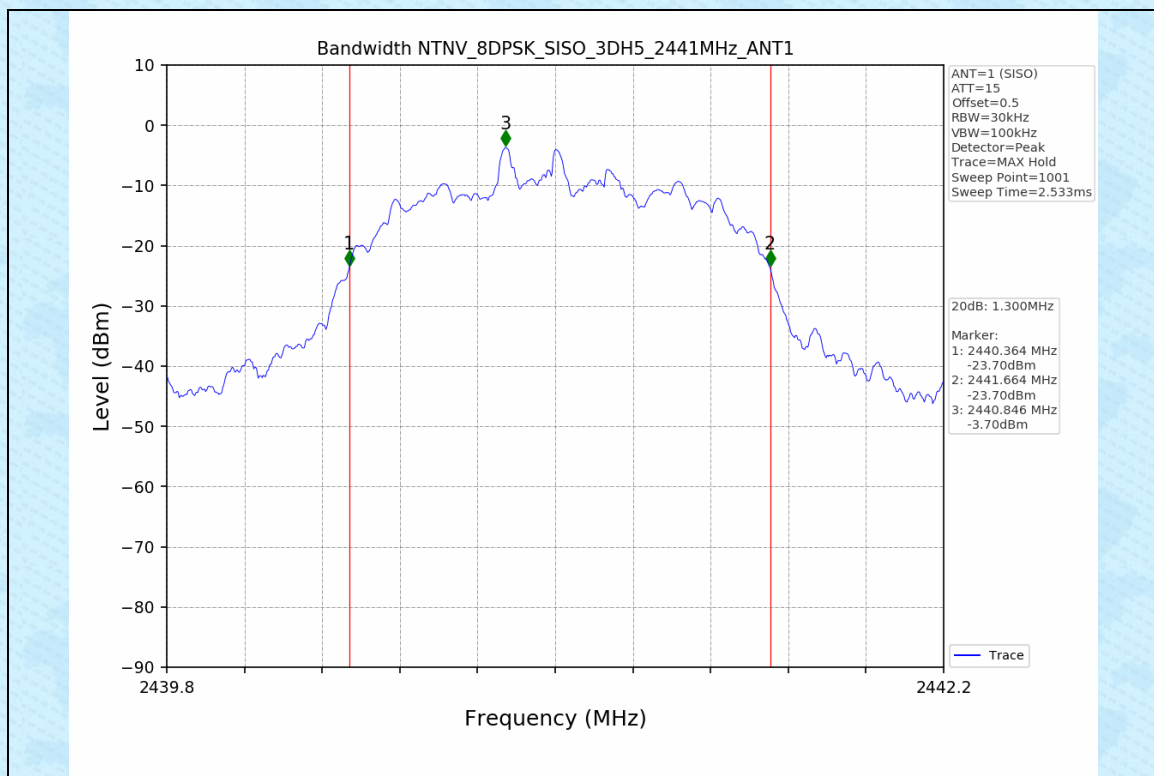
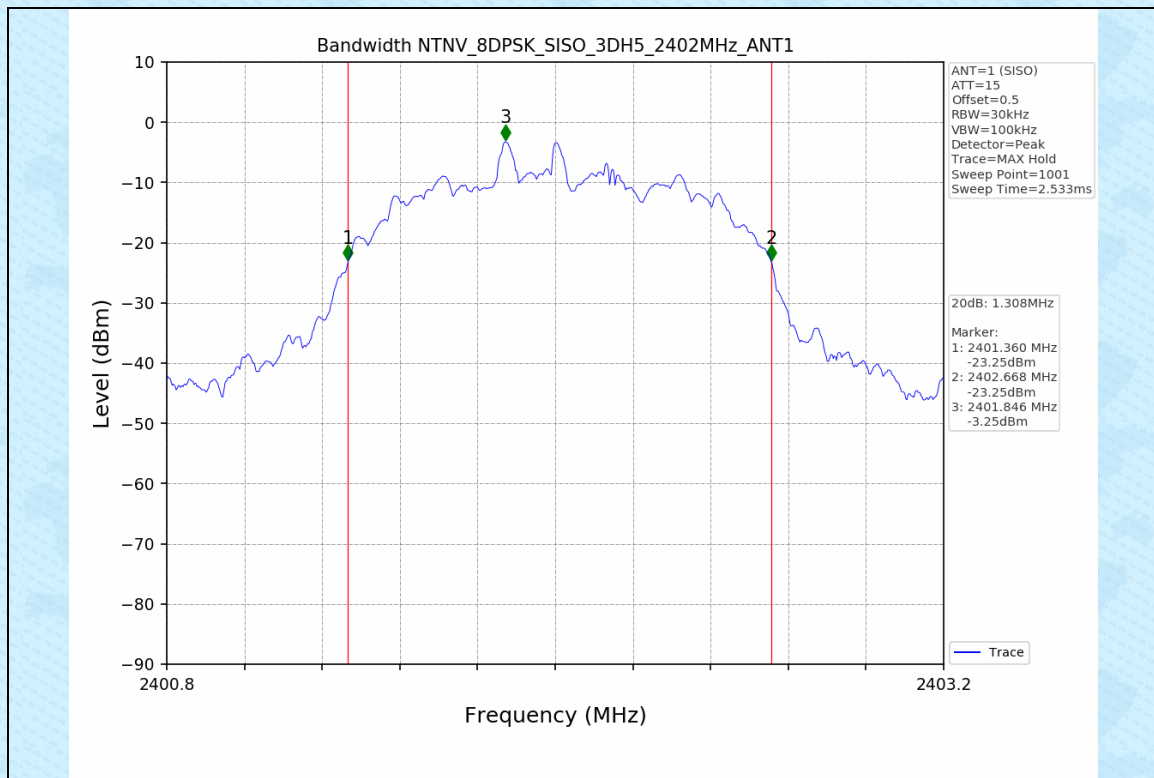
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	ANT1	0.932	Only for Report Use
	2441	SISO	ANT1	0.935	Only for Report Use
	2480	SISO	ANT1	0.936	Only for Report Use
$\pi/4$ DQPSK	2402	SISO	ANT1	1.210	Only for Report Use
	2441	SISO	ANT1	1.206	Only for Report Use
	2480	SISO	ANT1	1.207	Only for Report Use
8-DPSK	2402	SISO	ANT1	1.213	Only for Report Use
	2441	SISO	ANT1	1.220	Only for Report Use
	2480	SISO	ANT1	1.210	Only for Report Use

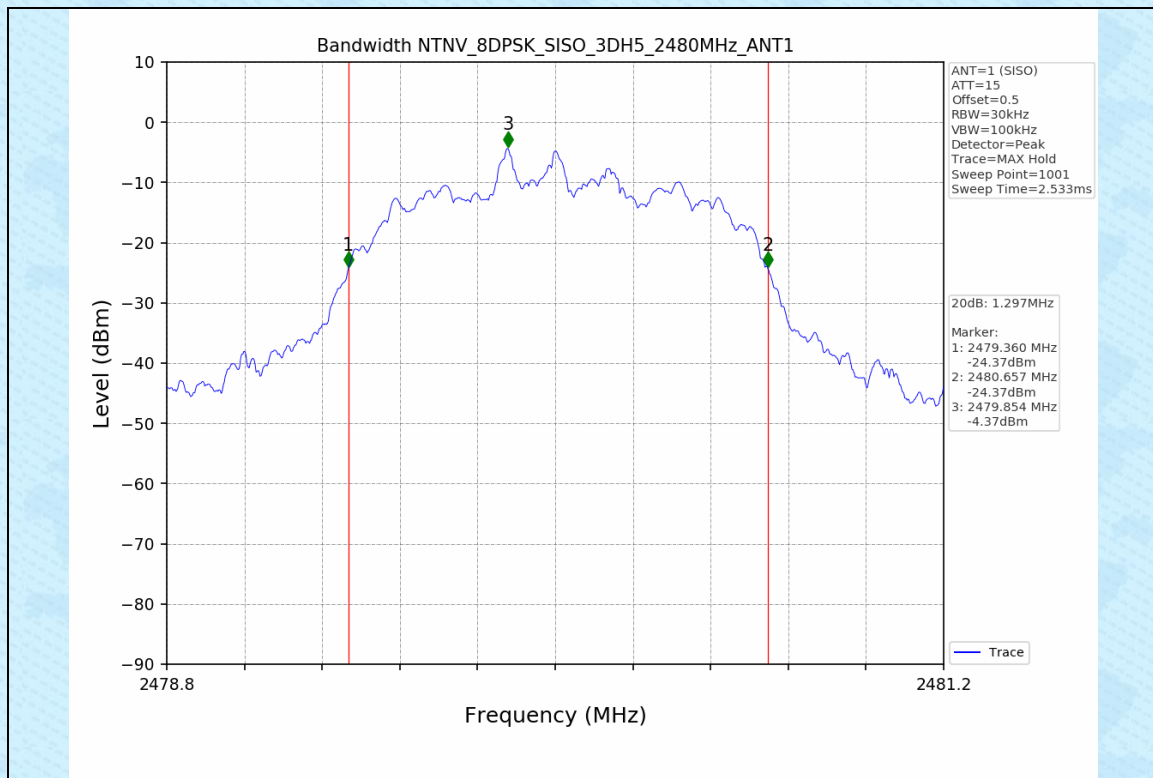
1.2 Test Graph - 20dB Bandwidth



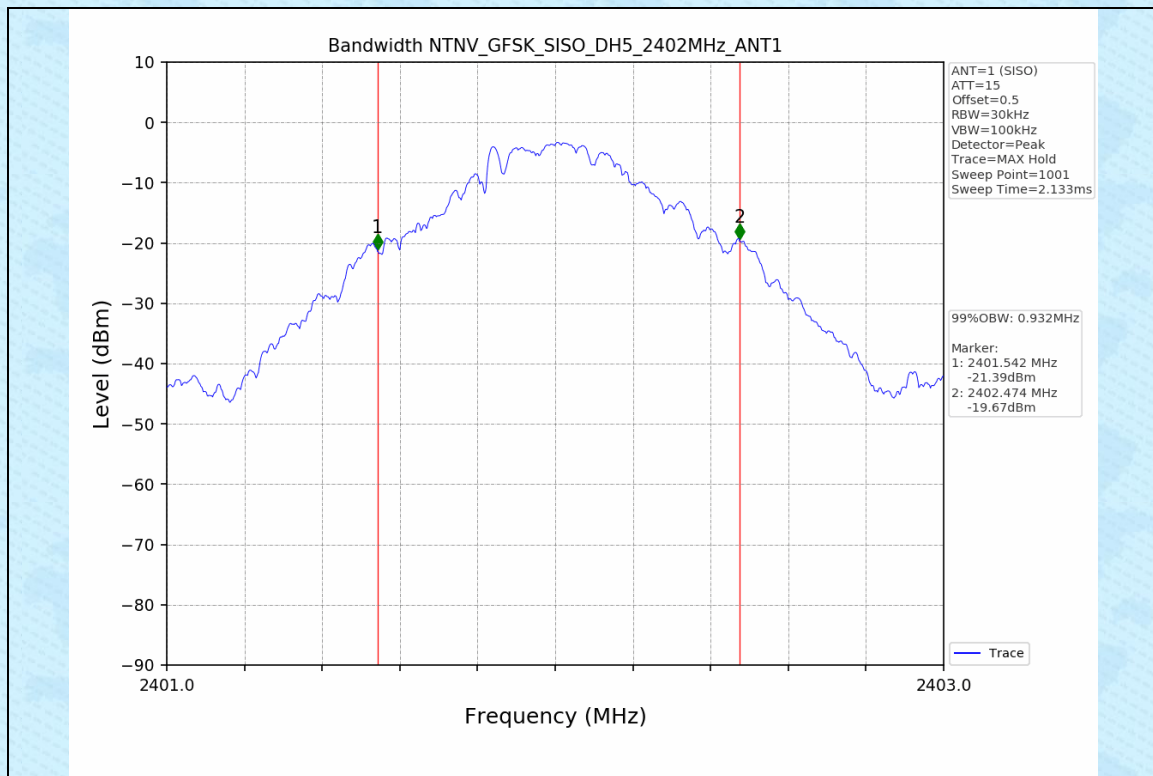


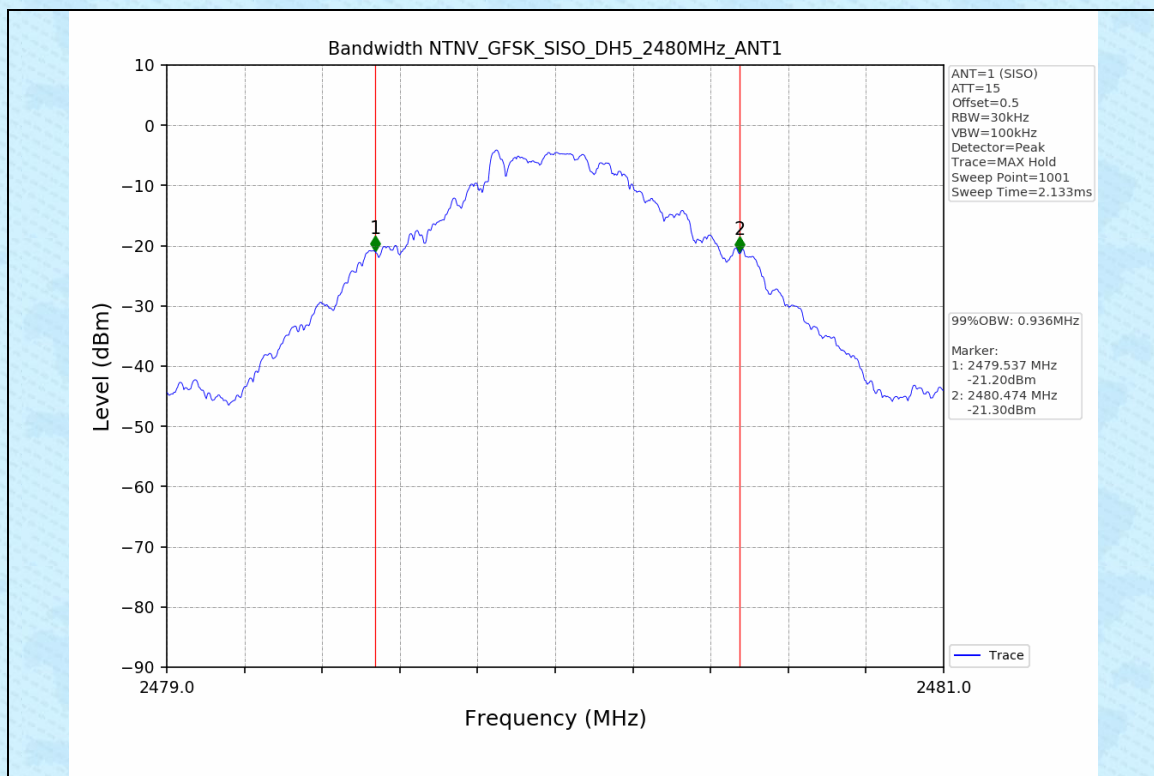
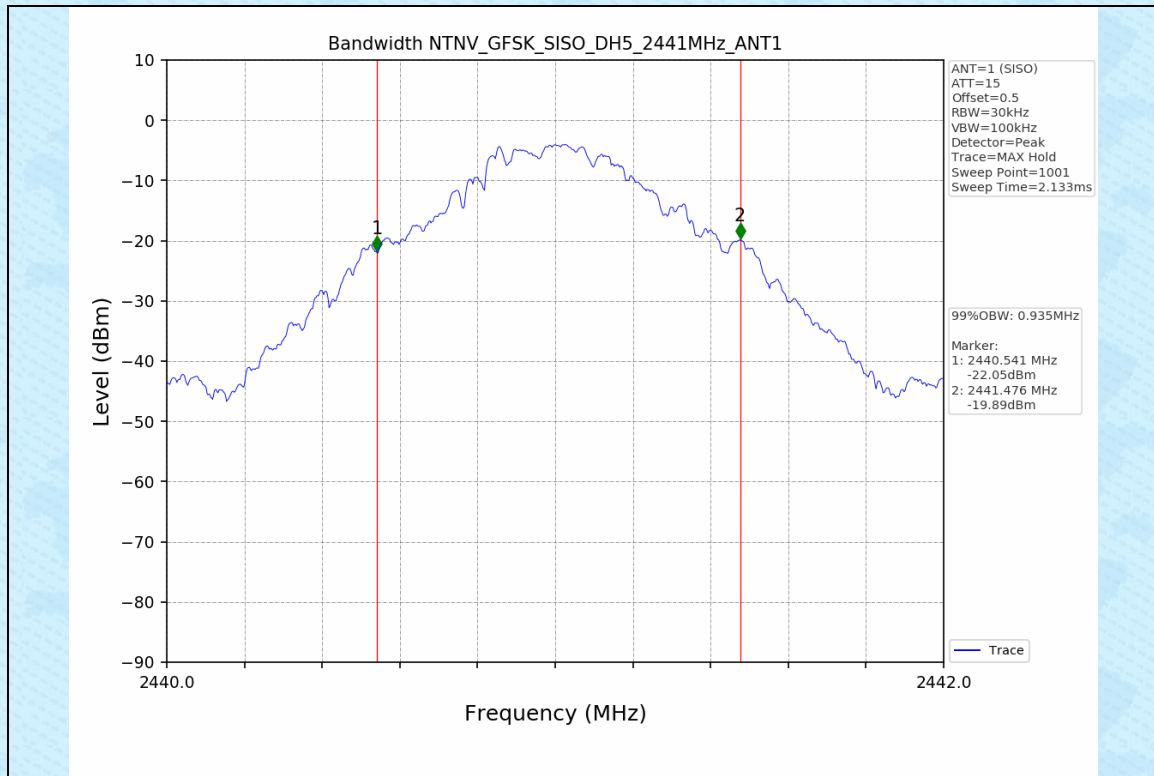


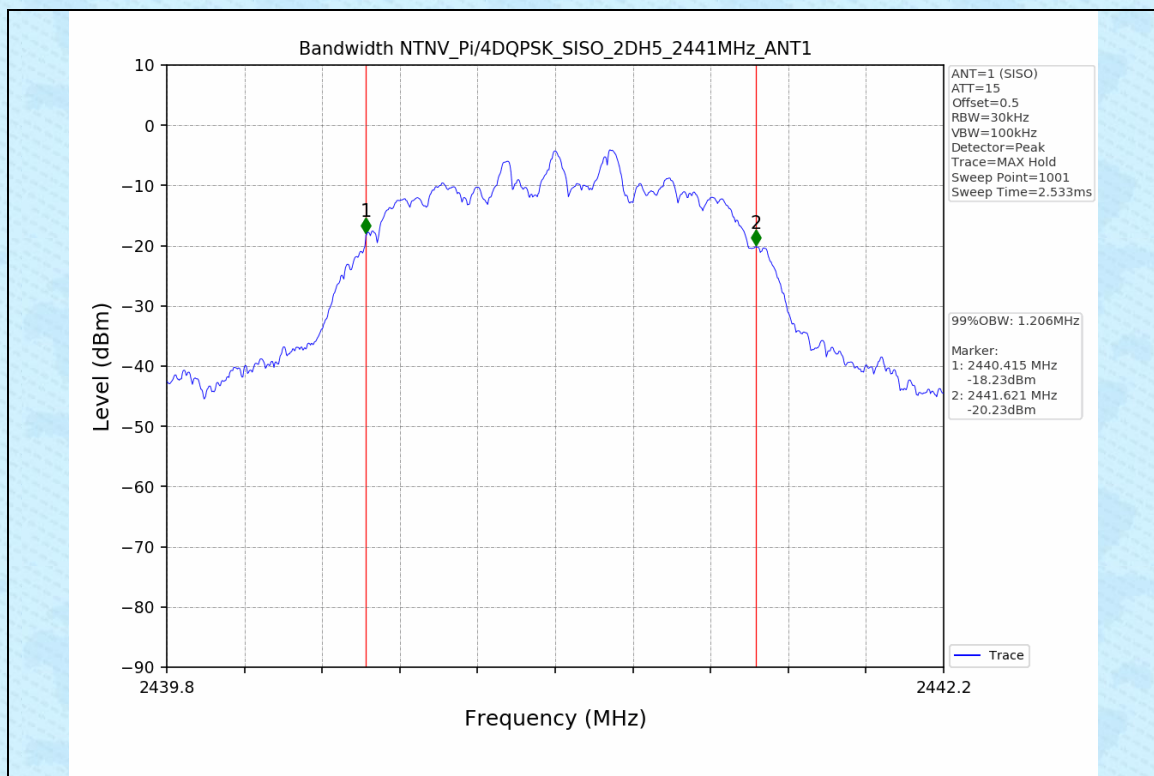
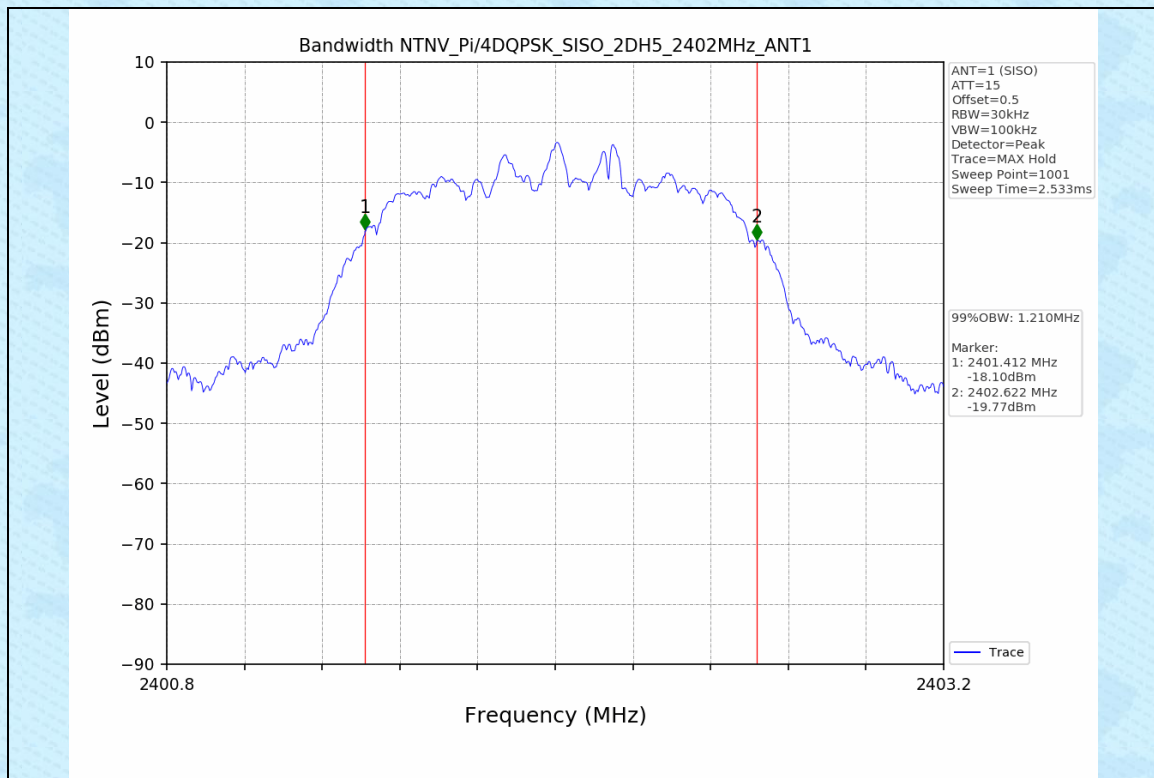


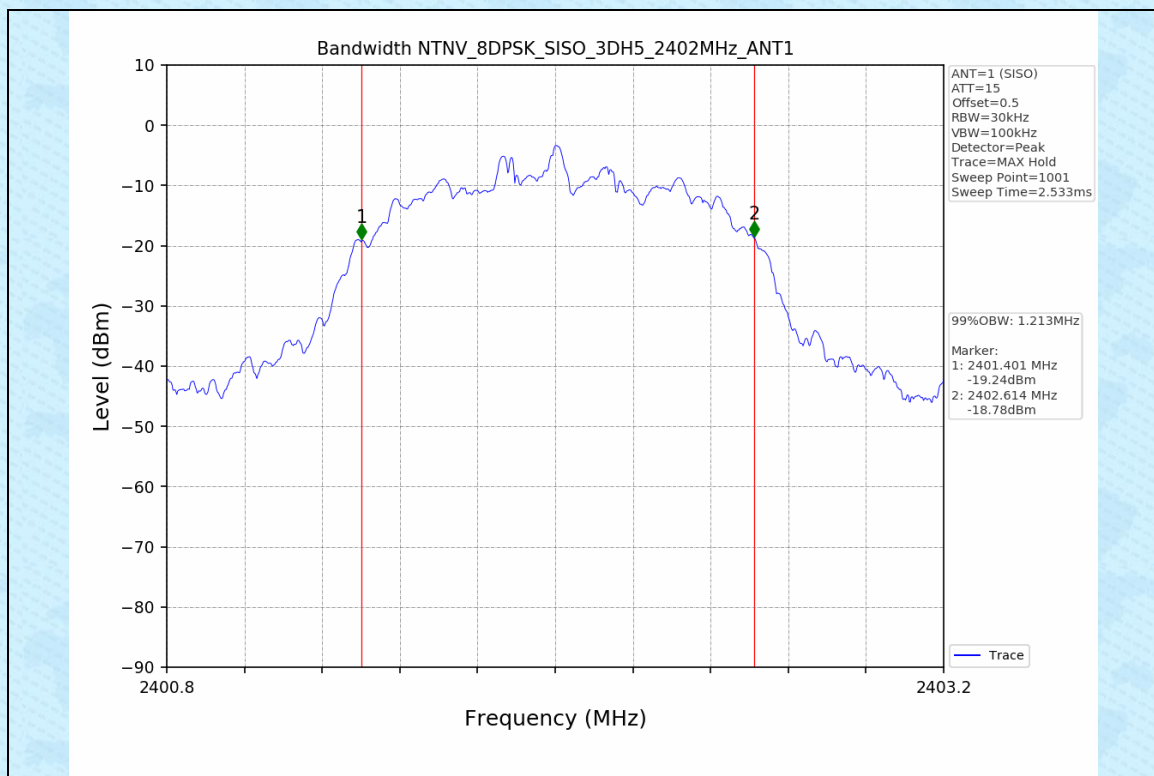
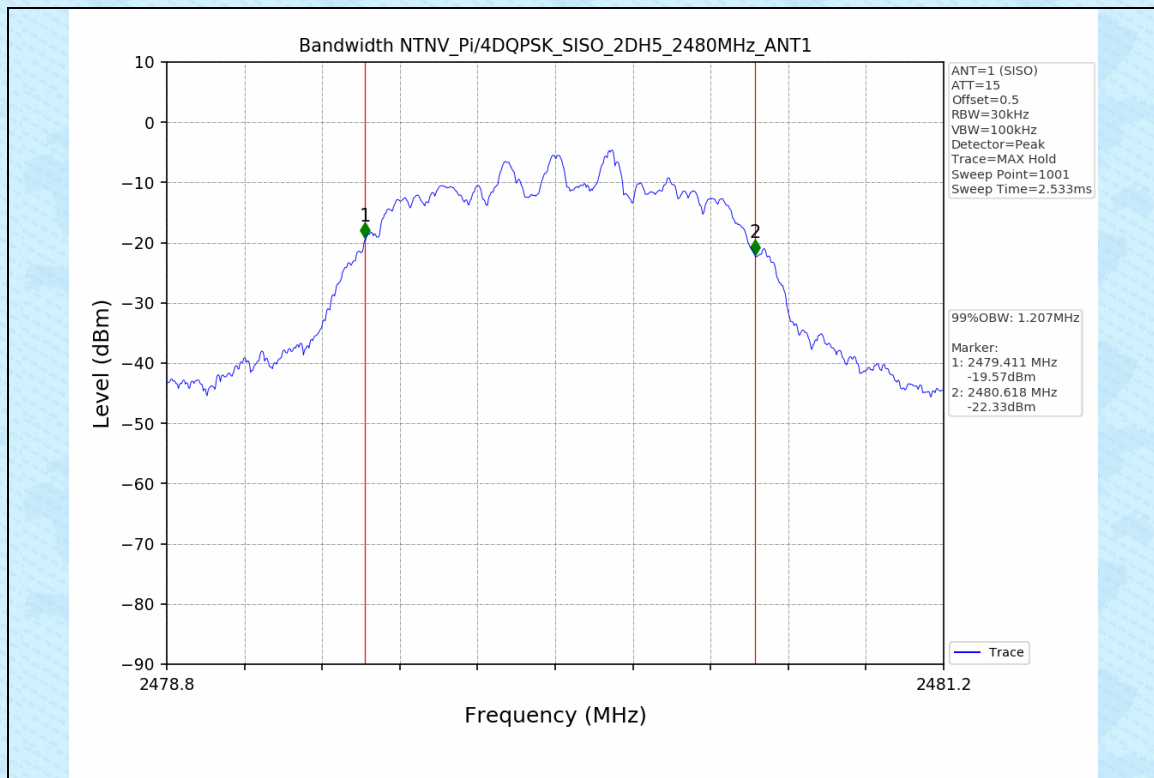


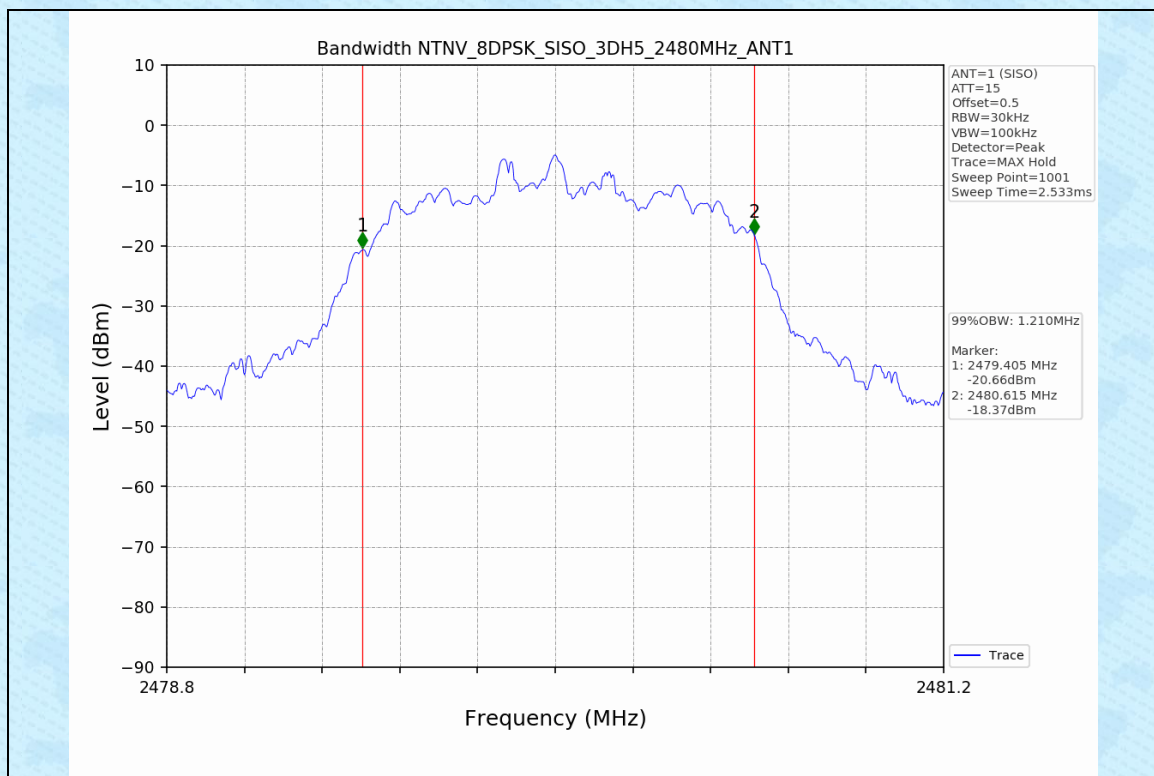
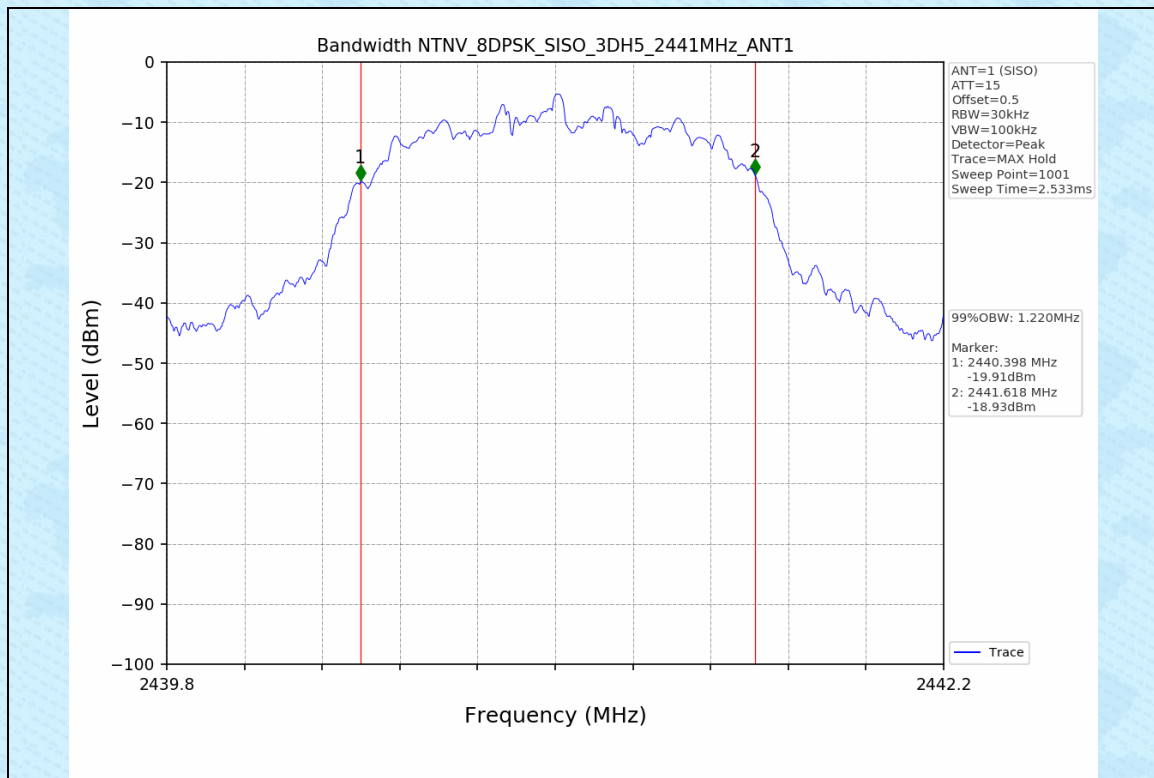
1.3 Test Graph - 99% Occupied Bandwidth









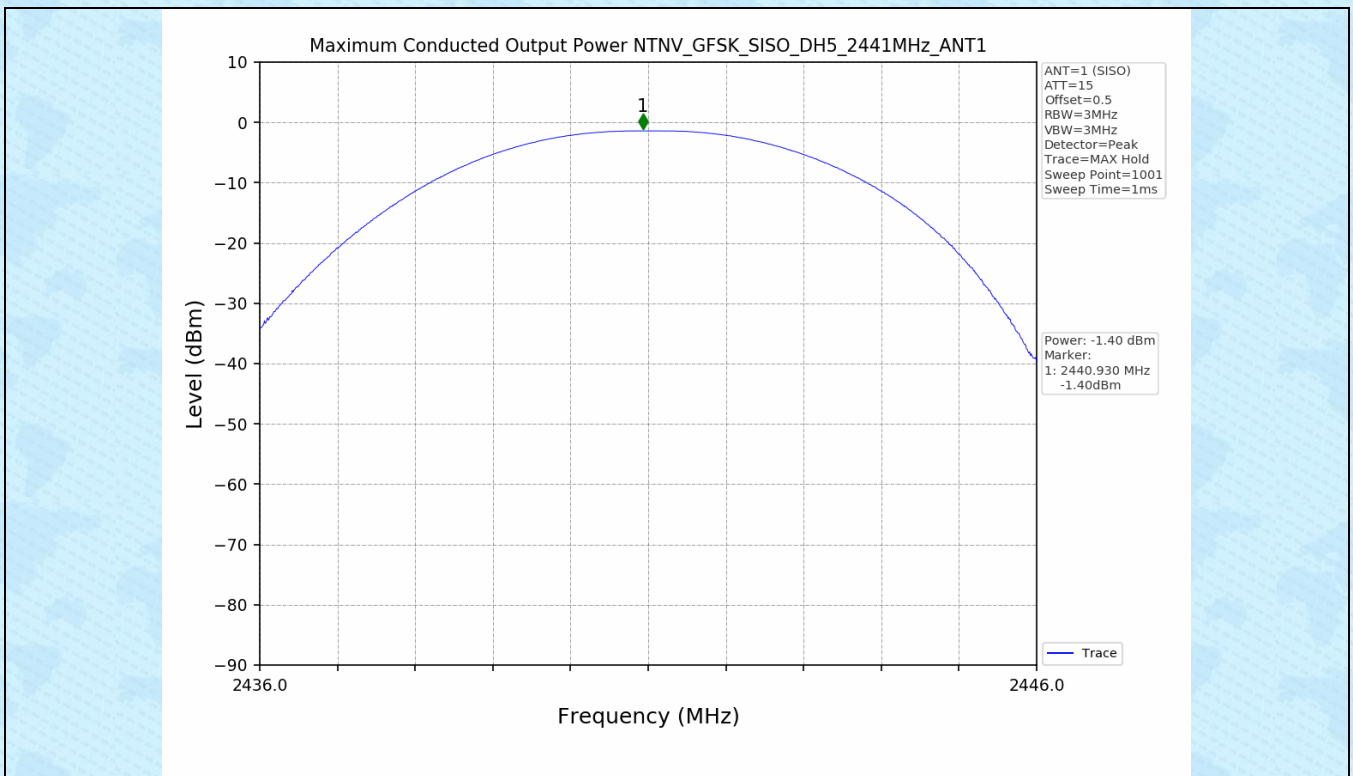
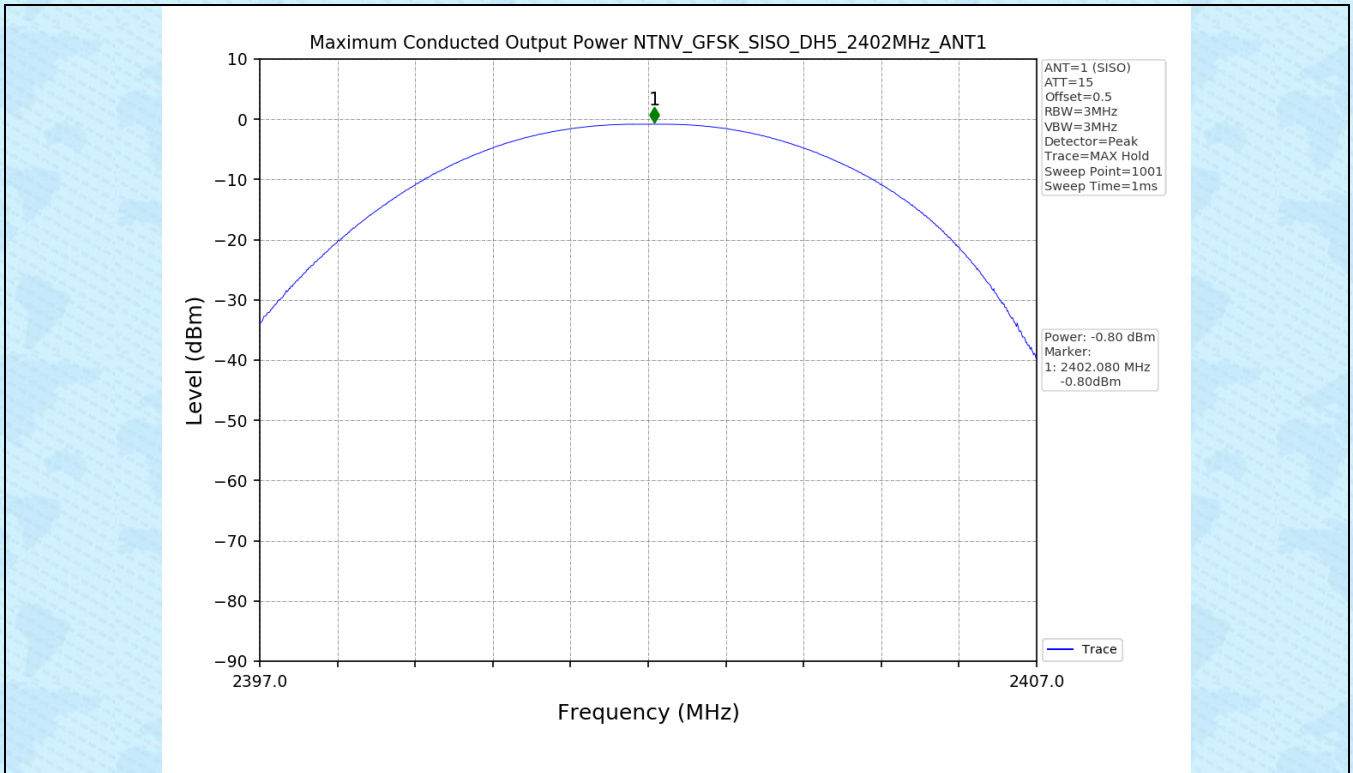


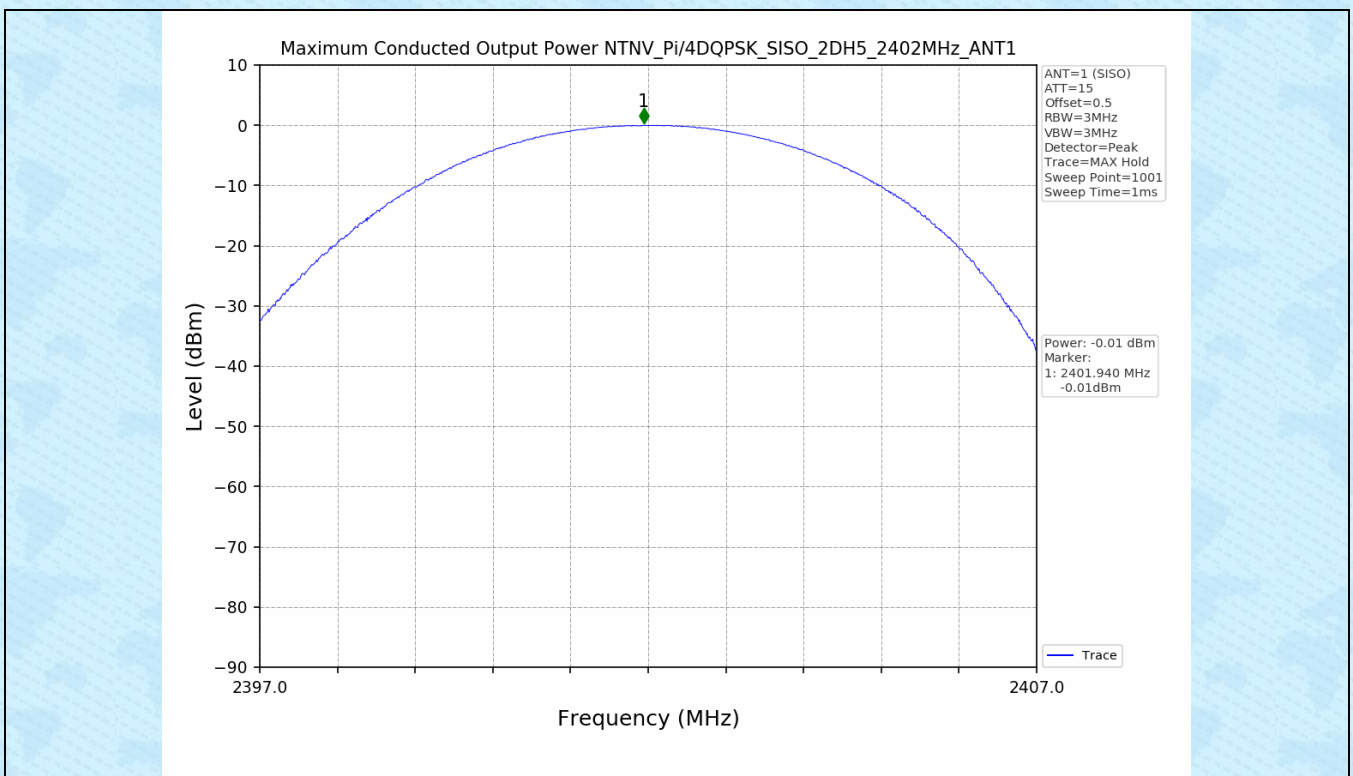
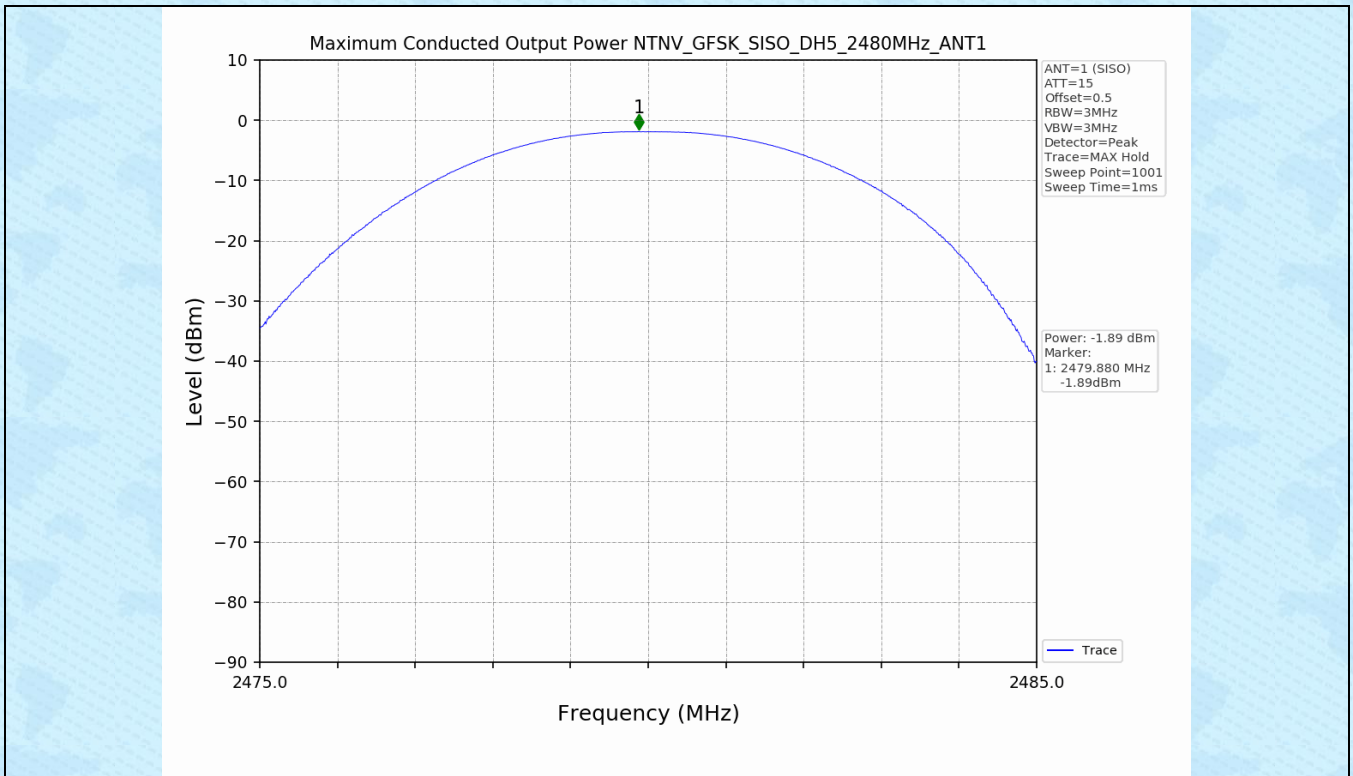
2. Maximum Conducted Output Power

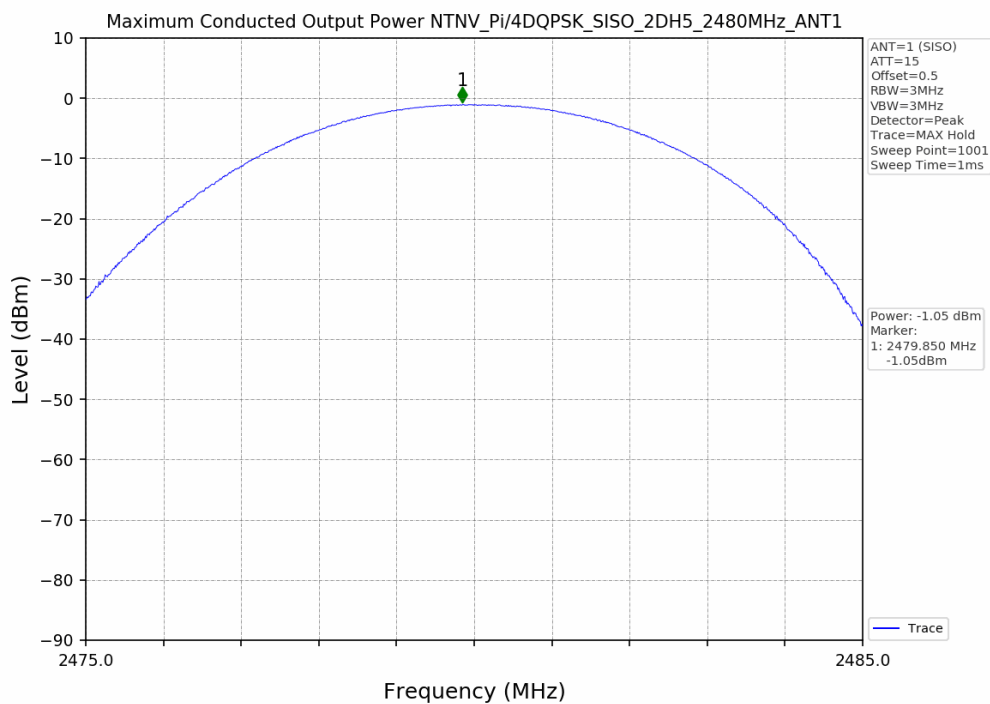
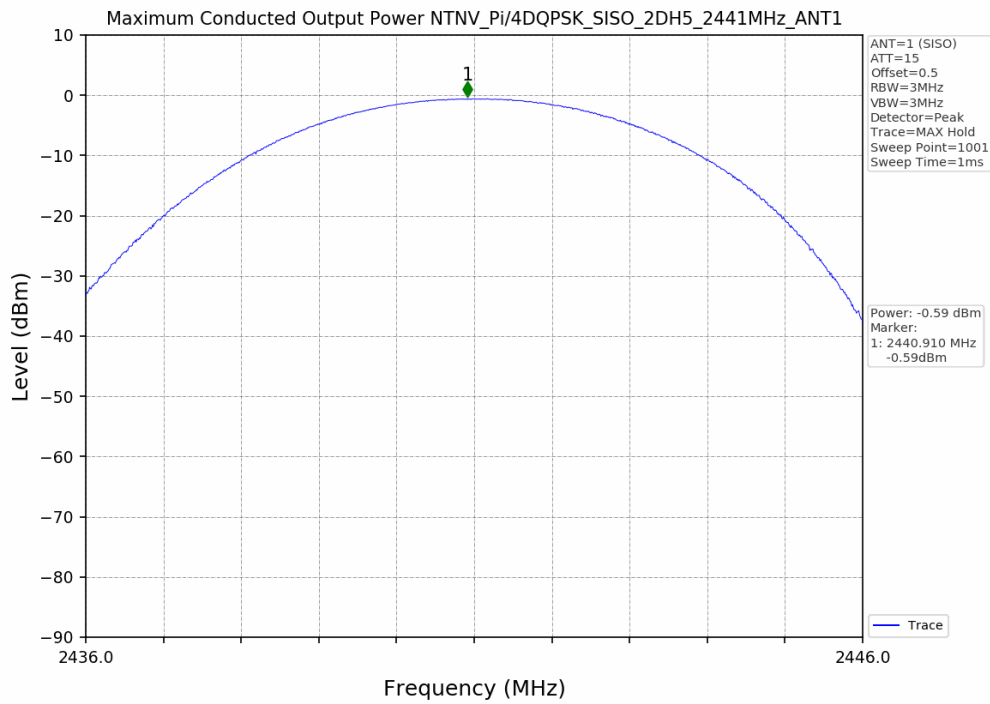
2.1 Test Result

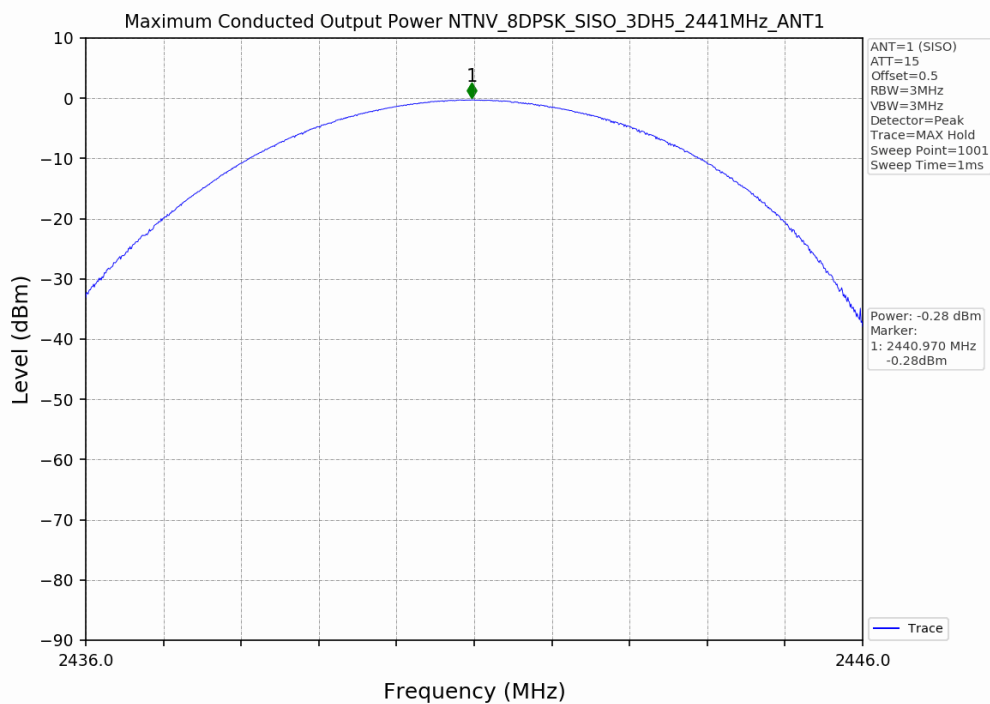
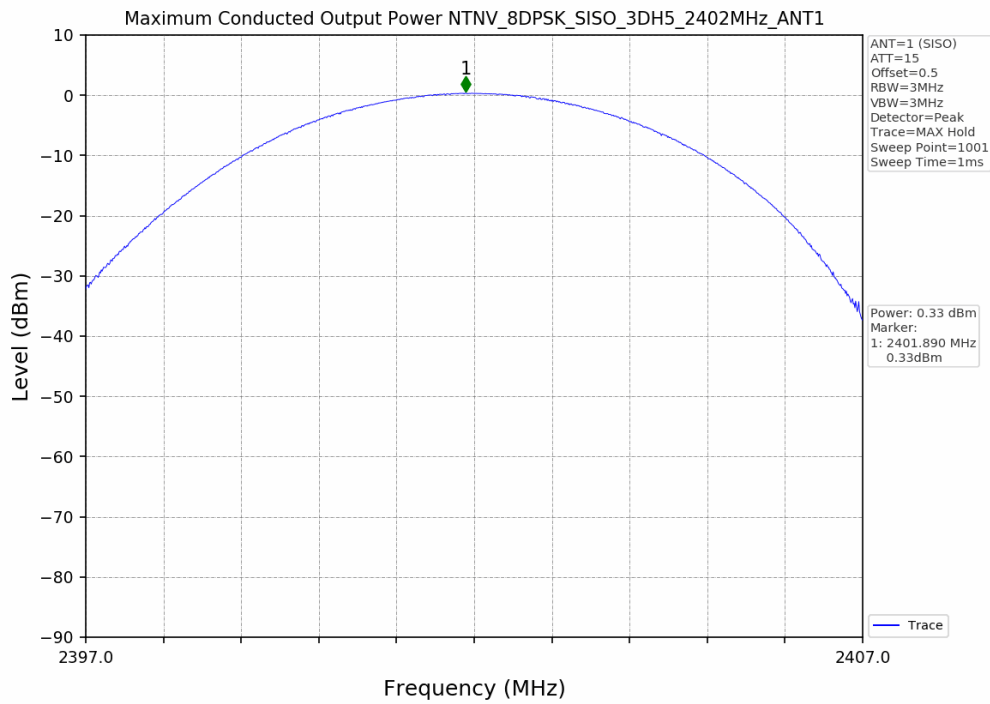
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-0.80	20.97	PASS
	2441	SISO	-1.40	20.97	PASS
	2480	SISO	-1.89	20.97	PASS
$\pi/4$ DQPSK	2402	SISO	-0.01	20.97	PASS
	2441	SISO	-0.59	20.97	PASS
	2480	SISO	-1.05	20.97	PASS
8-DPSK	2402	SISO	0.33	20.97	PASS
	2441	SISO	-0.28	20.97	PASS
	2480	SISO	-0.75	20.97	PASS

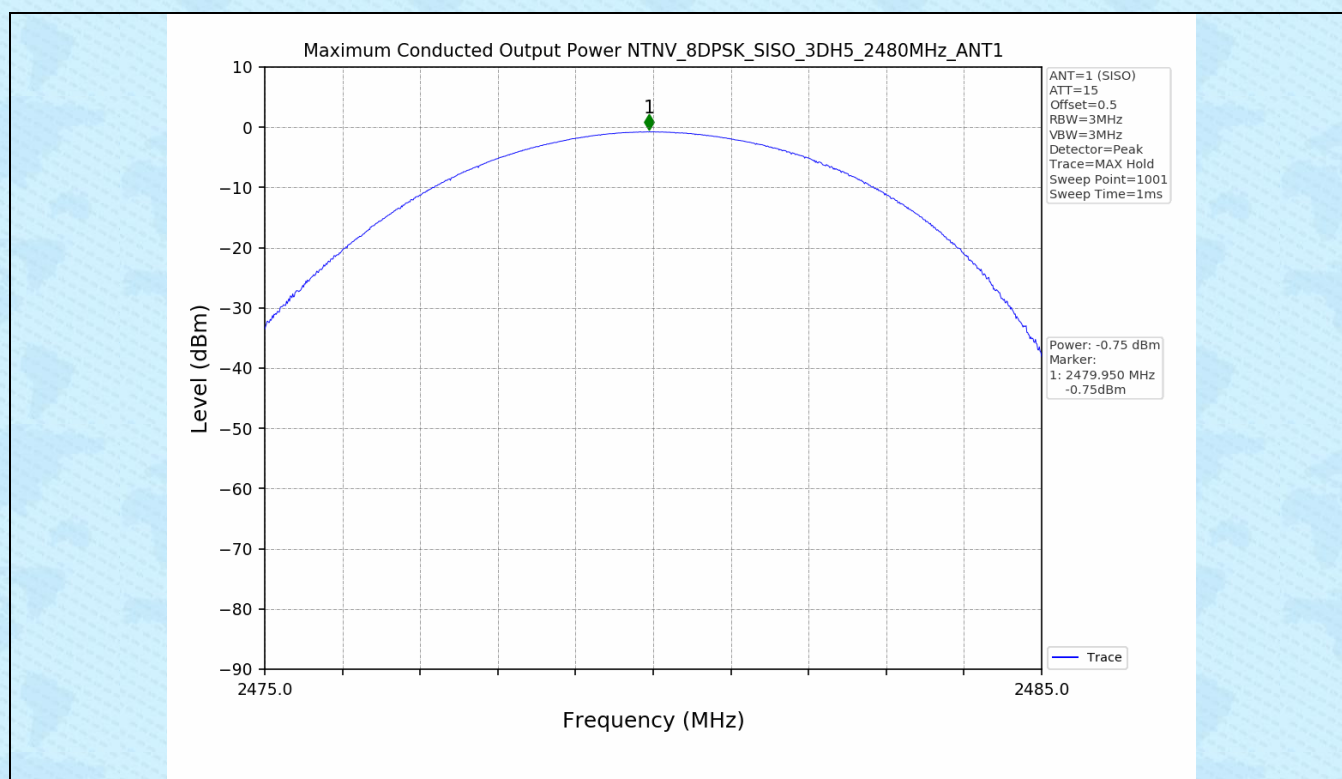
2.2 Test Graph









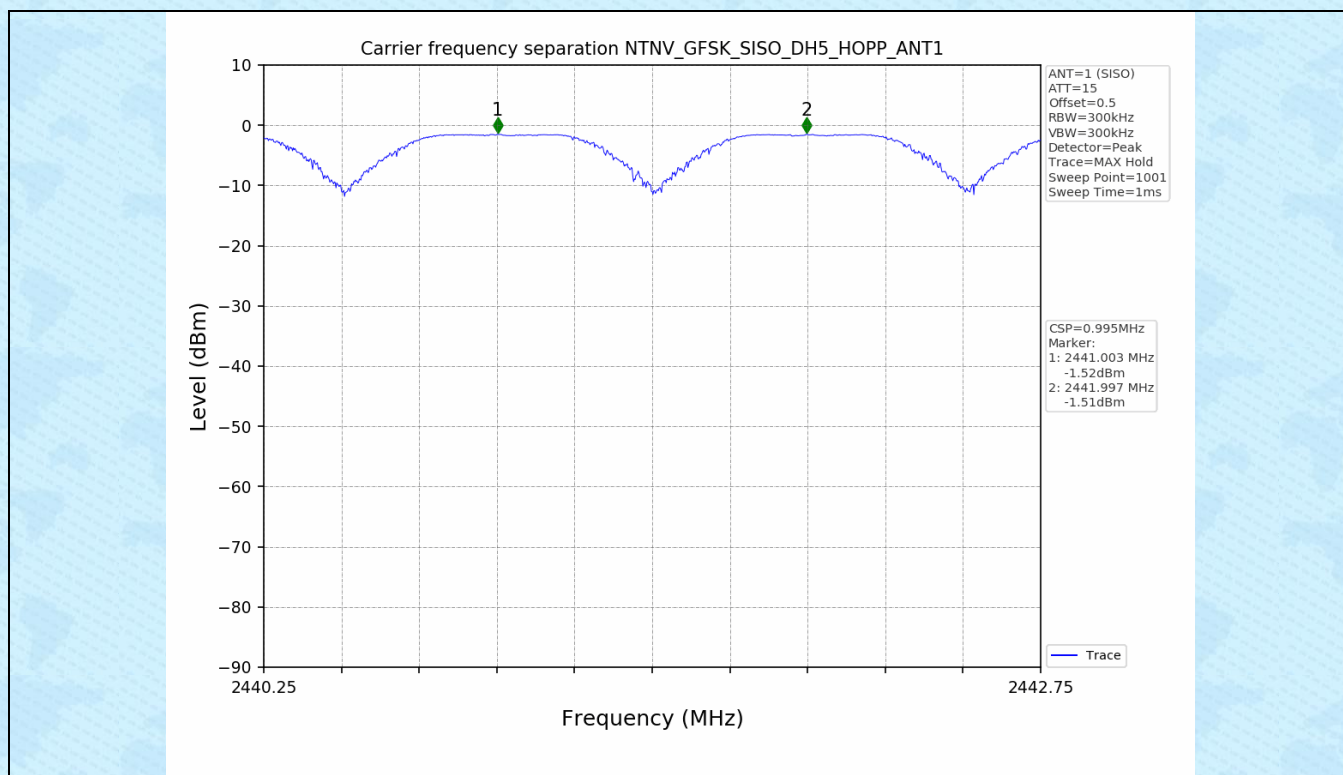


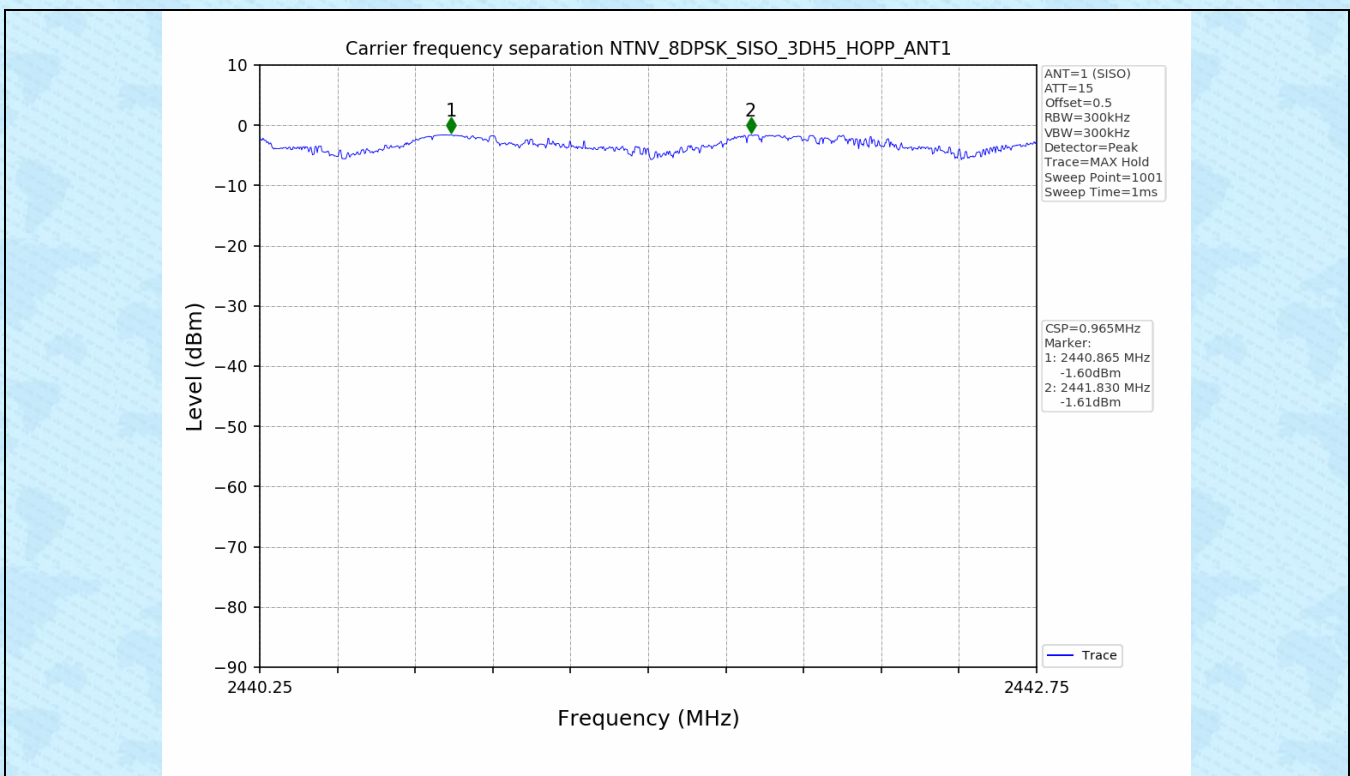
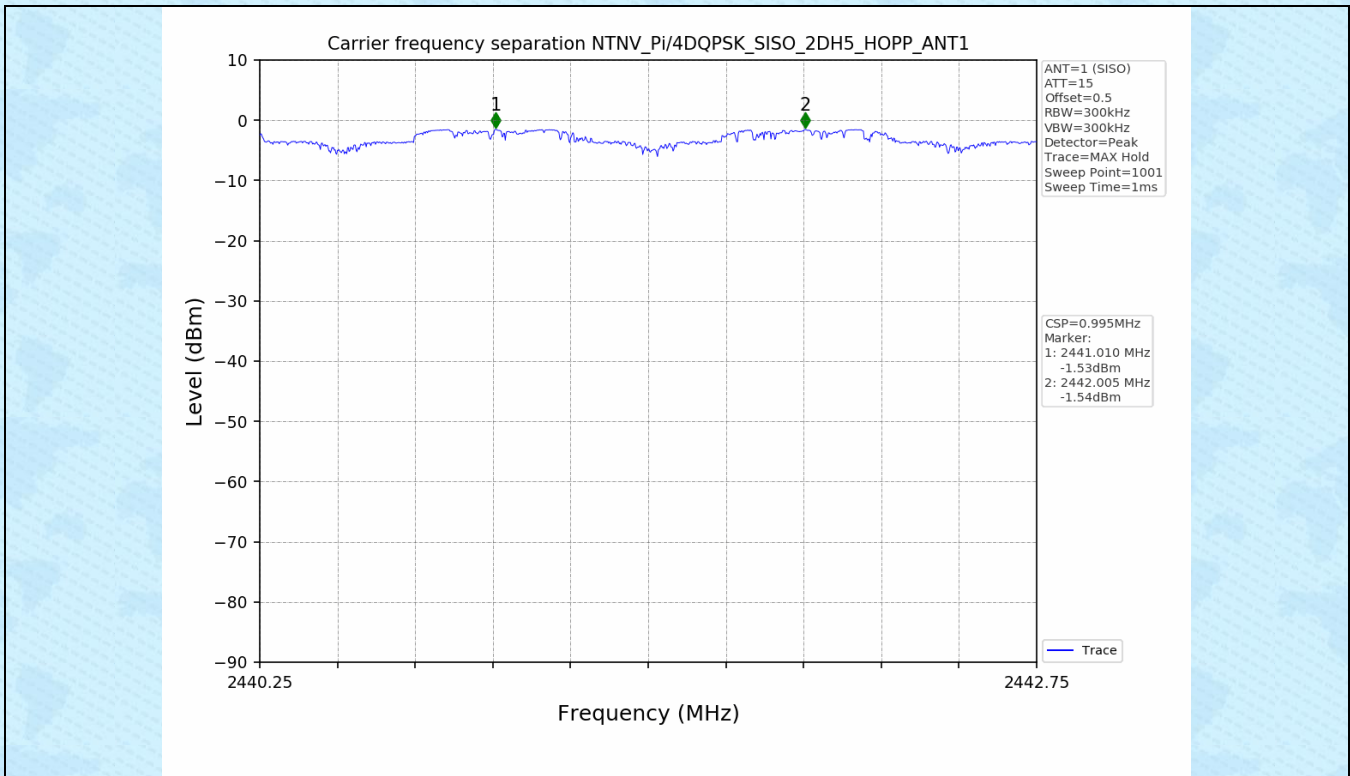
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	ANT1	0.995	1.000	≥ 0.667	PASS
$\pi/4$ -DQPSK	SISO	ANT1	0.995	1.200	≥ 0.800	PASS
8-DPSK	SISO	ANT1	0.965	1.200	≥ 0.800	PASS

3.2 Test Graph



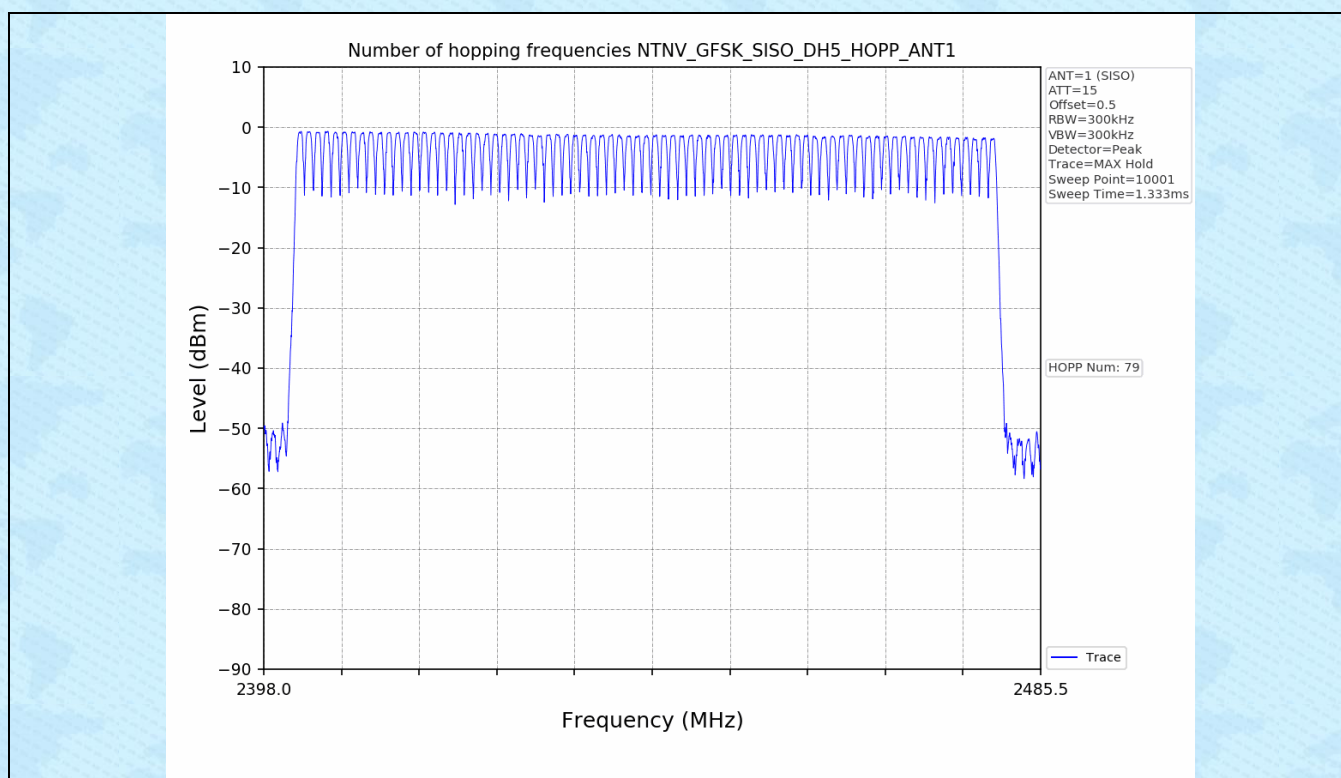


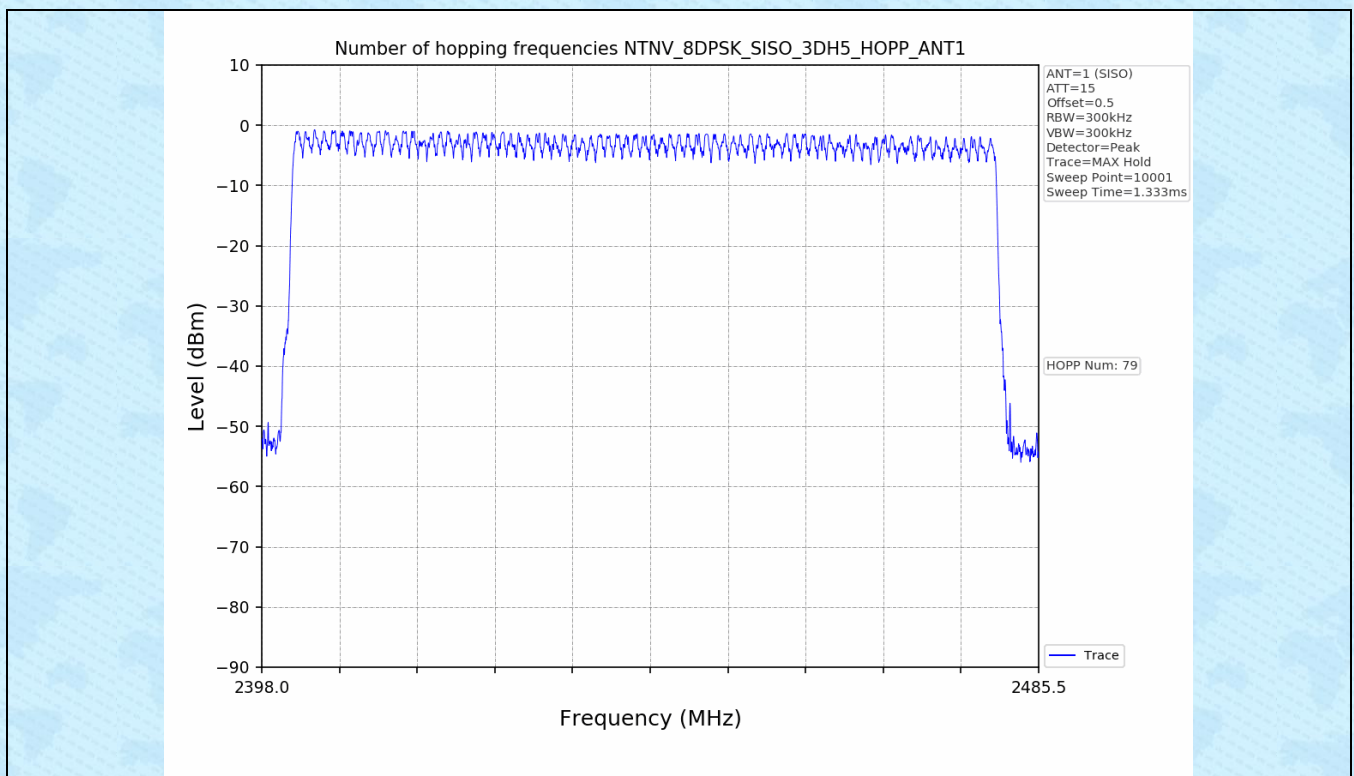
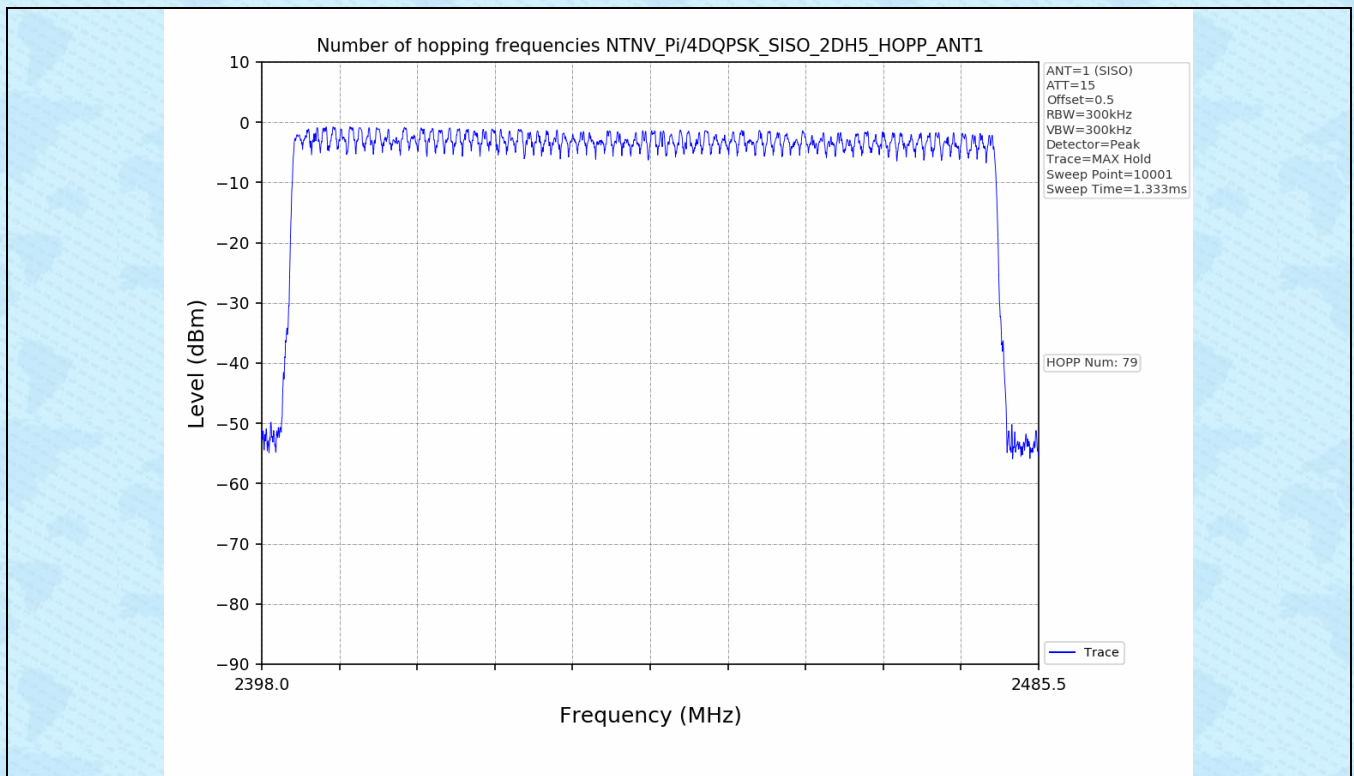
4. Number of hopping frequencies

4.1 Test Result

Test Mode	TX Type	ANT No.	Num of Hopping Frequencies	Limits	Verdict
GFSK	SISO	ANT1	79	≥ 15	PASS
$\pi/4$ -DQPSK	SISO	ANT1	79	≥ 15	PASS
8-DPSK	SISO	ANT1	79	≥ 15	PASS

4.2 Test Graph



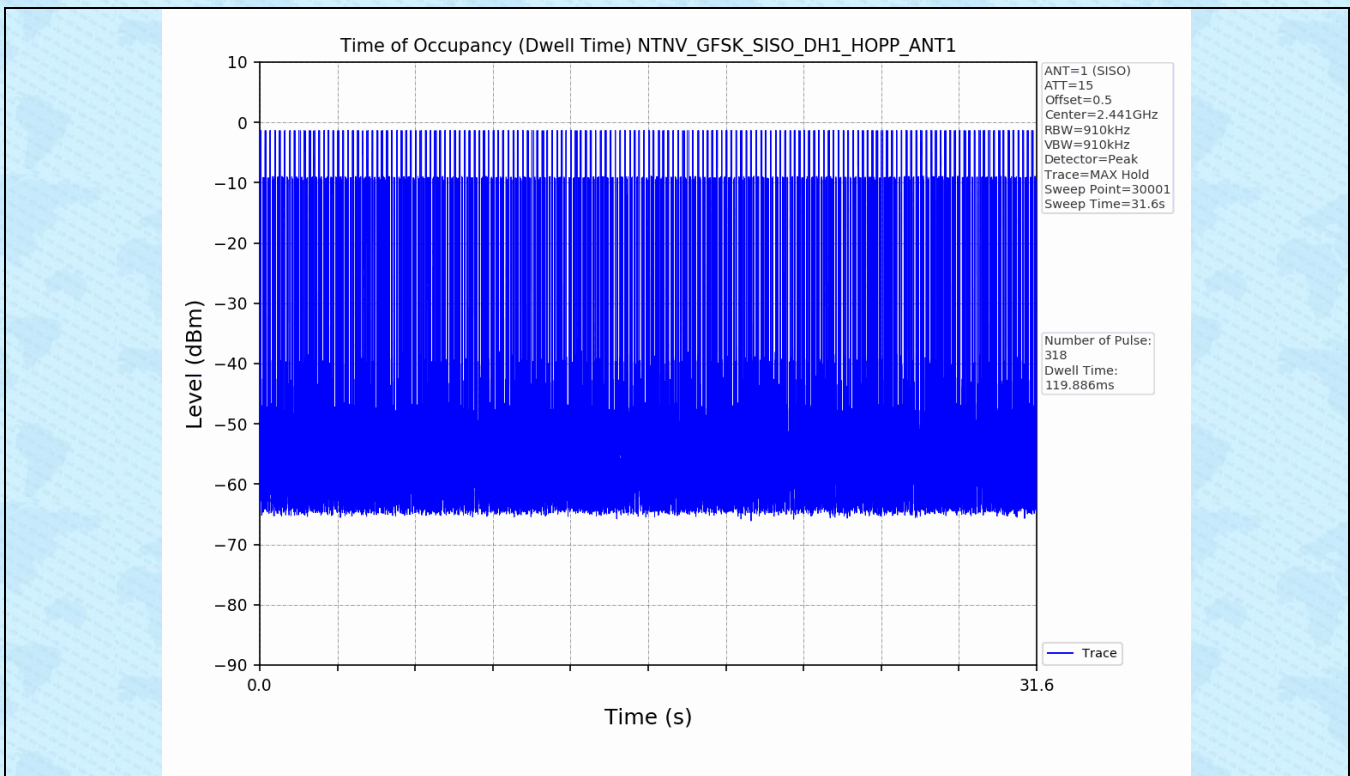
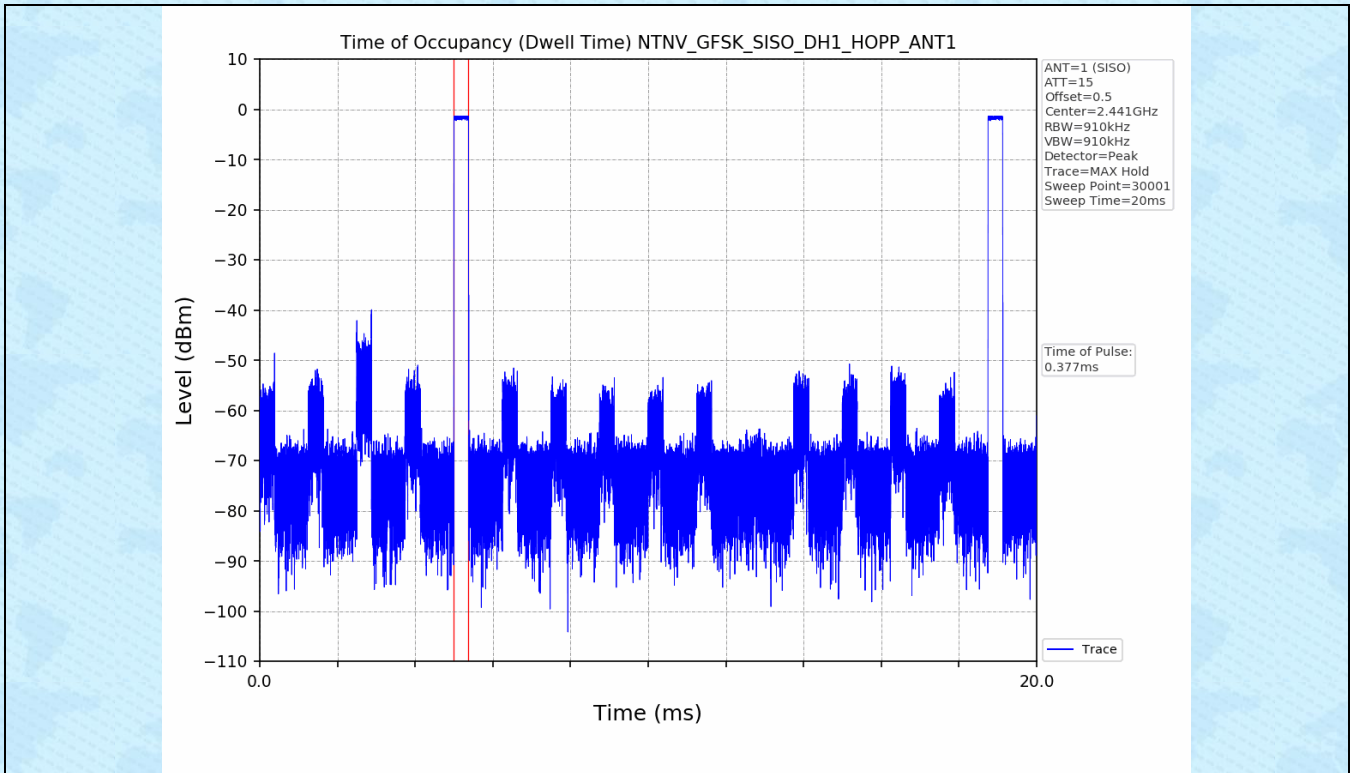


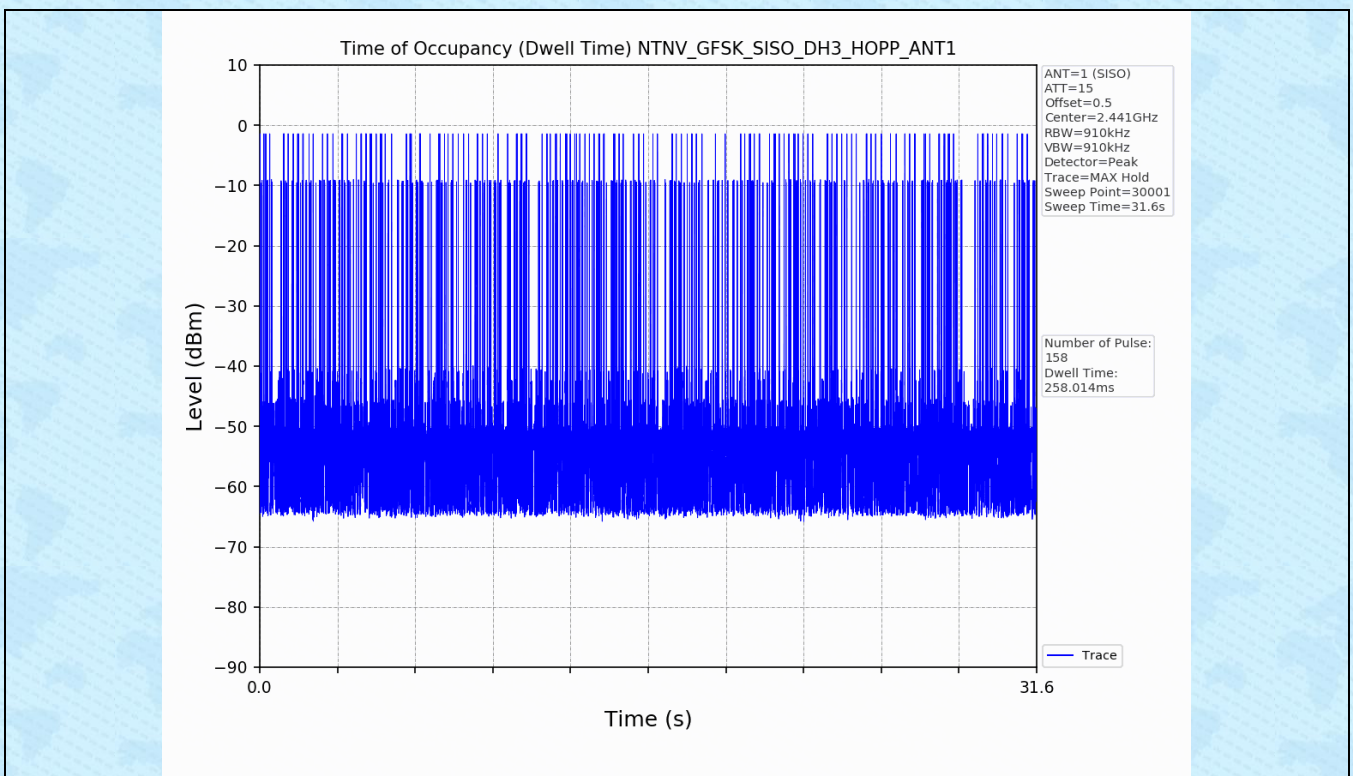
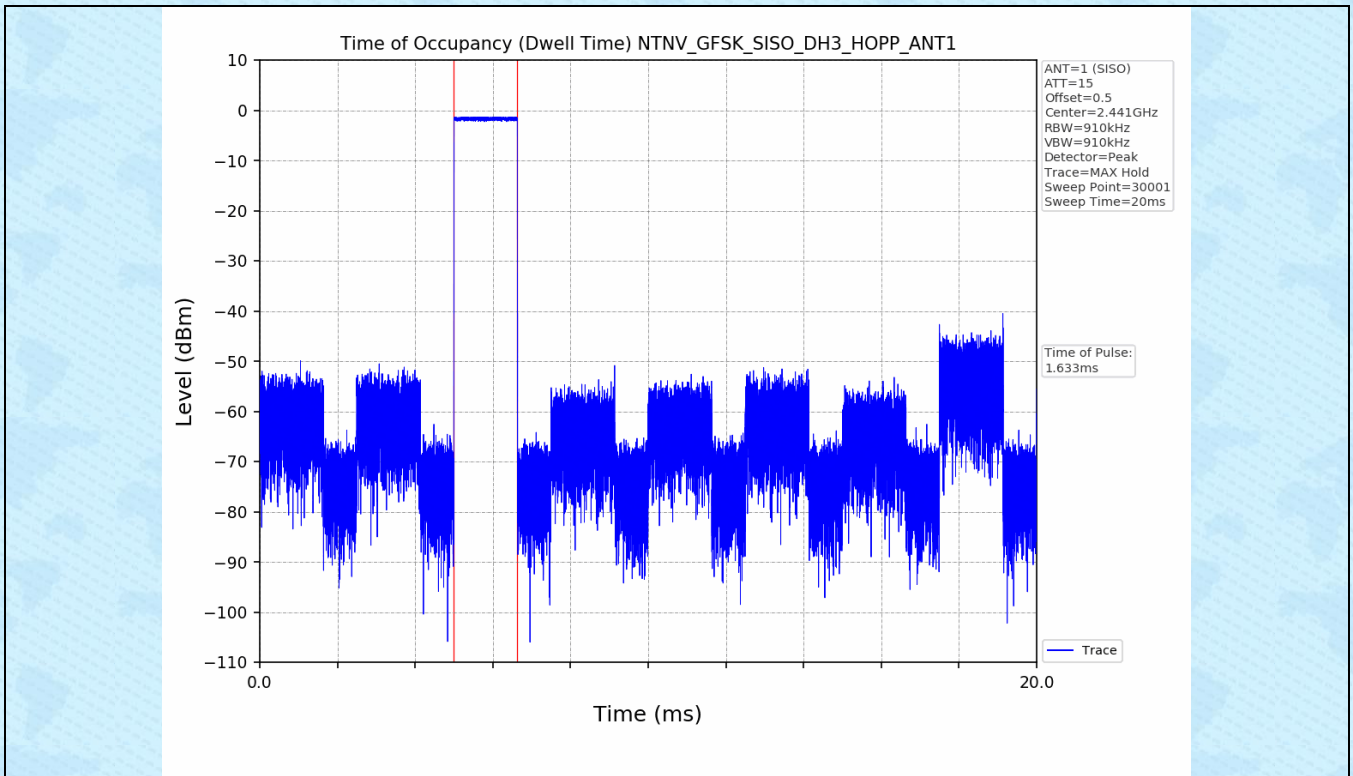
5. Time of Occupancy (Dwell Time)

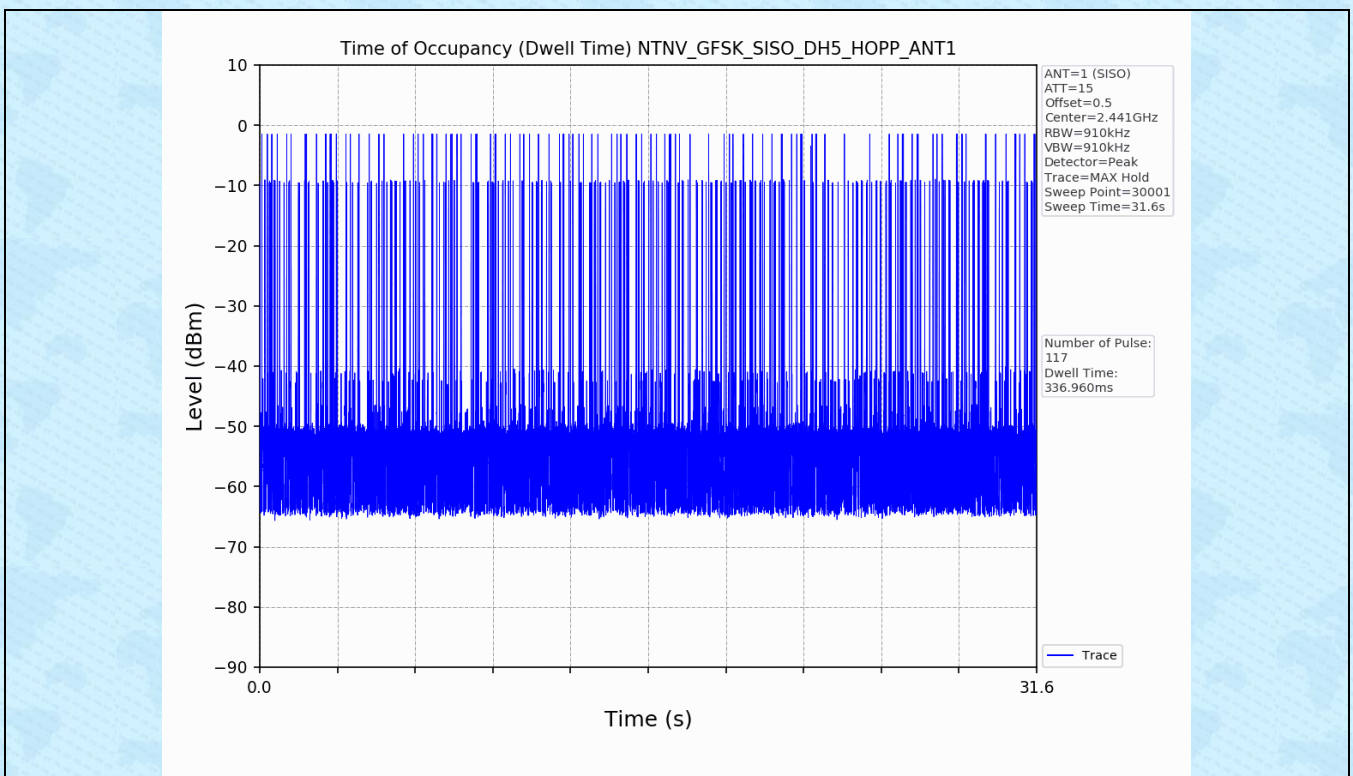
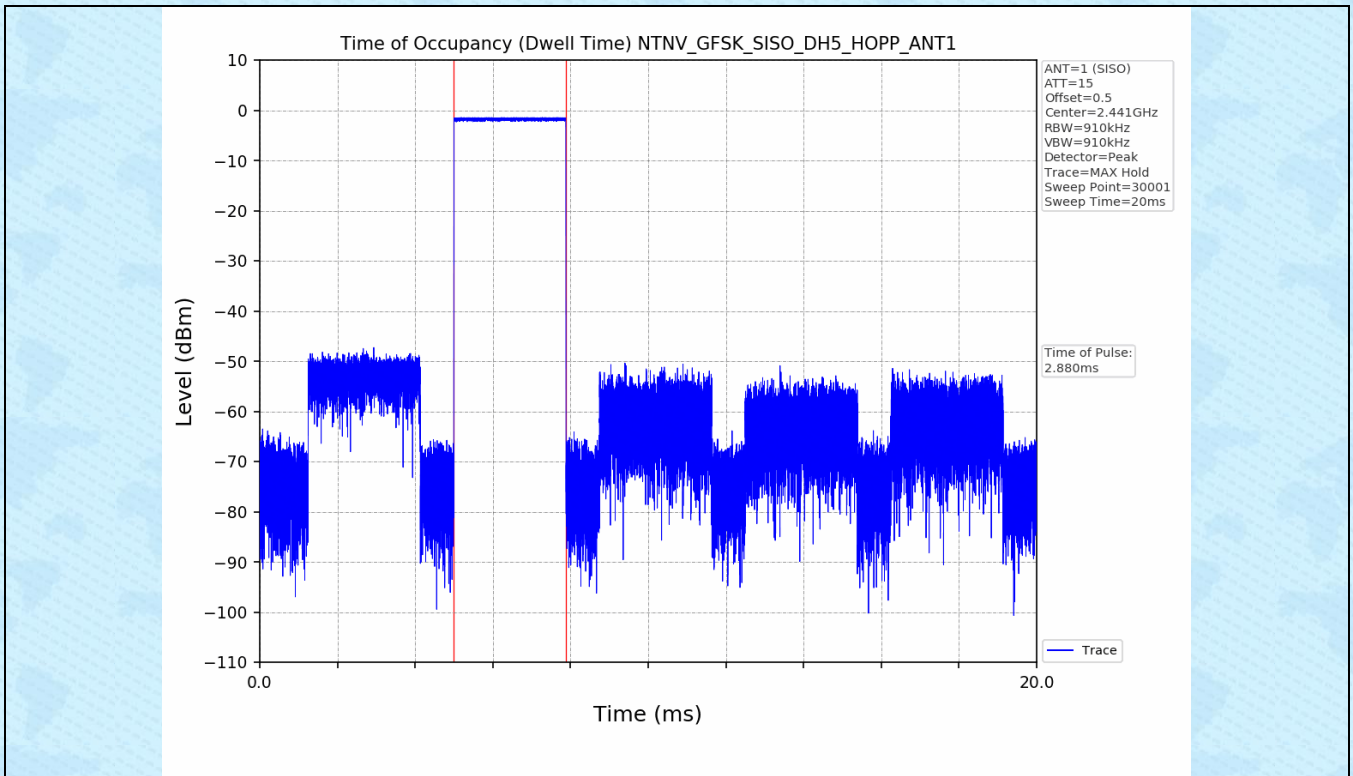
5.1 Test Result

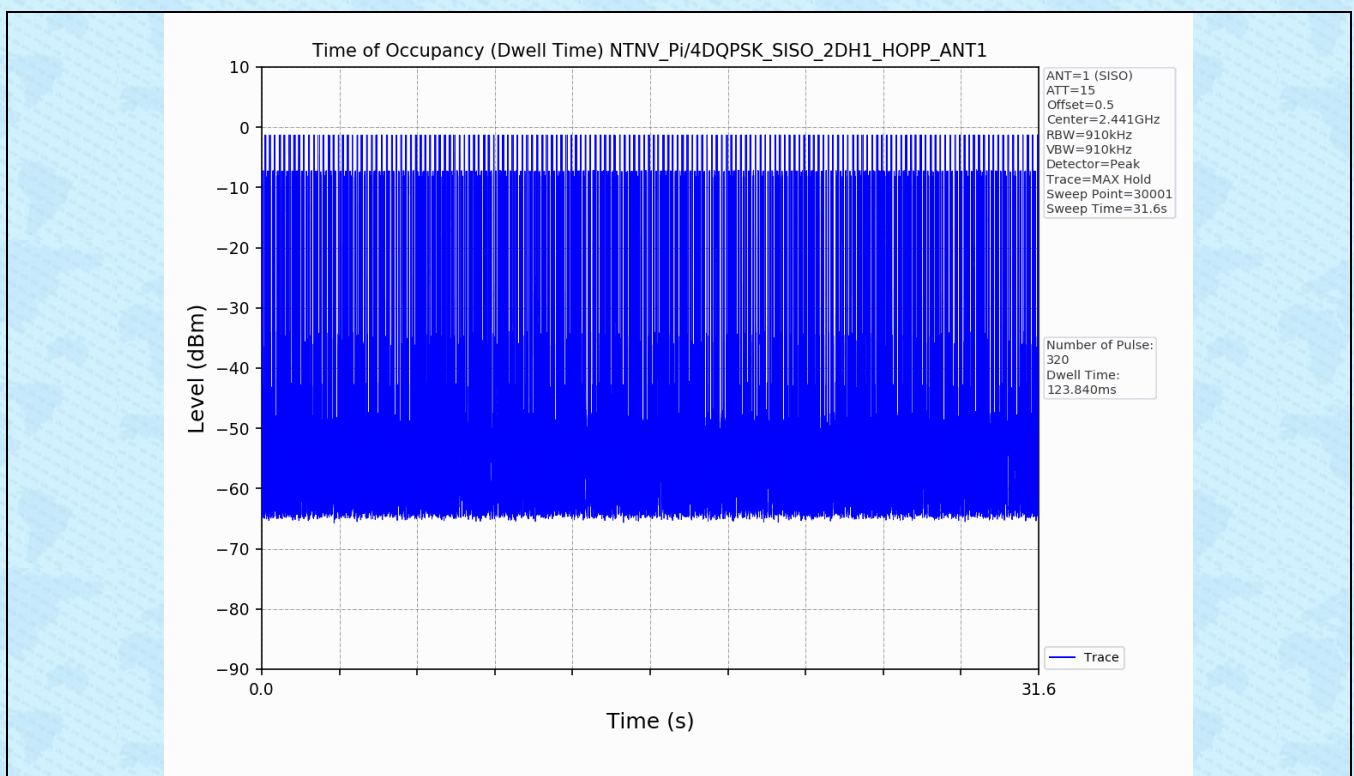
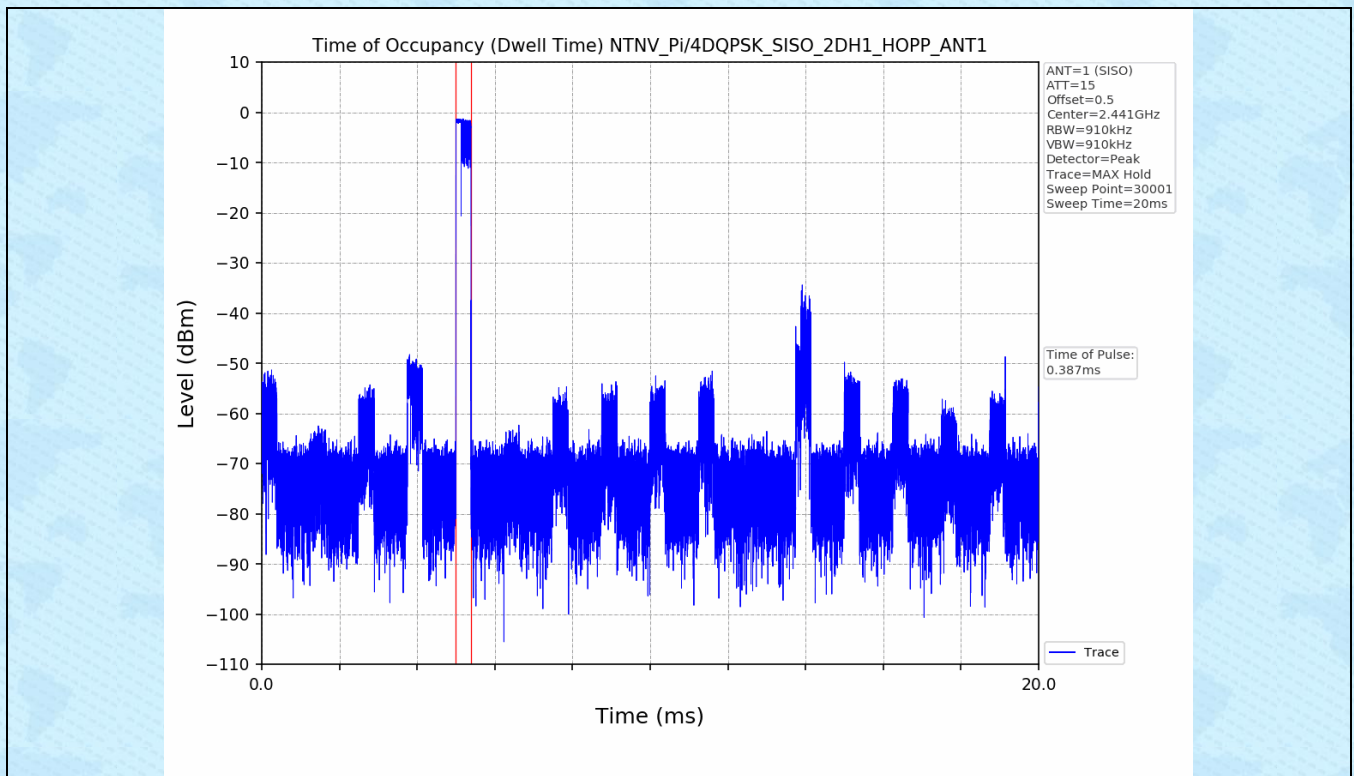
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Obeservation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	ANT1	0.377	31.6	318	119.886	≤400	PASS
	DH3	SISO	ANT1	1.633	31.6	158	258.014	≤400	PASS
	DH5	SISO	ANT1	2.880	31.6	117	336.960	≤400	PASS
π/4DQPSK	2DH1	SISO	ANT1	0.387	31.6	320	123.840	≤400	PASS
	2DH3	SISO	ANT1	1.639	31.6	160	262.240	≤400	PASS
	2DH5	SISO	ANT1	2.887	31.6	107	308.909	≤400	PASS
8-DPSK	3DH1	SISO	ANT1	0.388	31.6	320	124.160	≤400	PASS
	3DH3	SISO	ANT1	1.639	31.6	153	250.767	≤400	PASS
	3DH5	SISO	ANT1	2.891	31.6	113	326.683	≤400	PASS

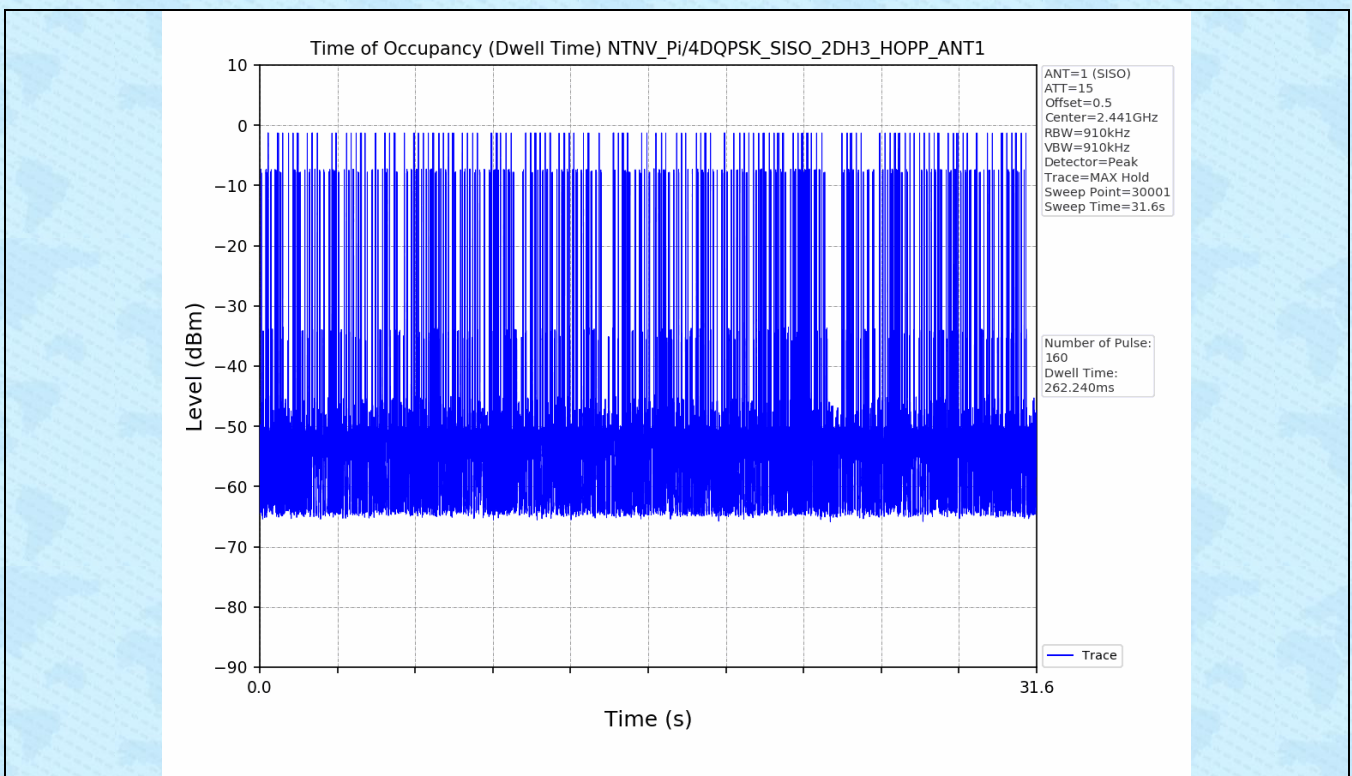
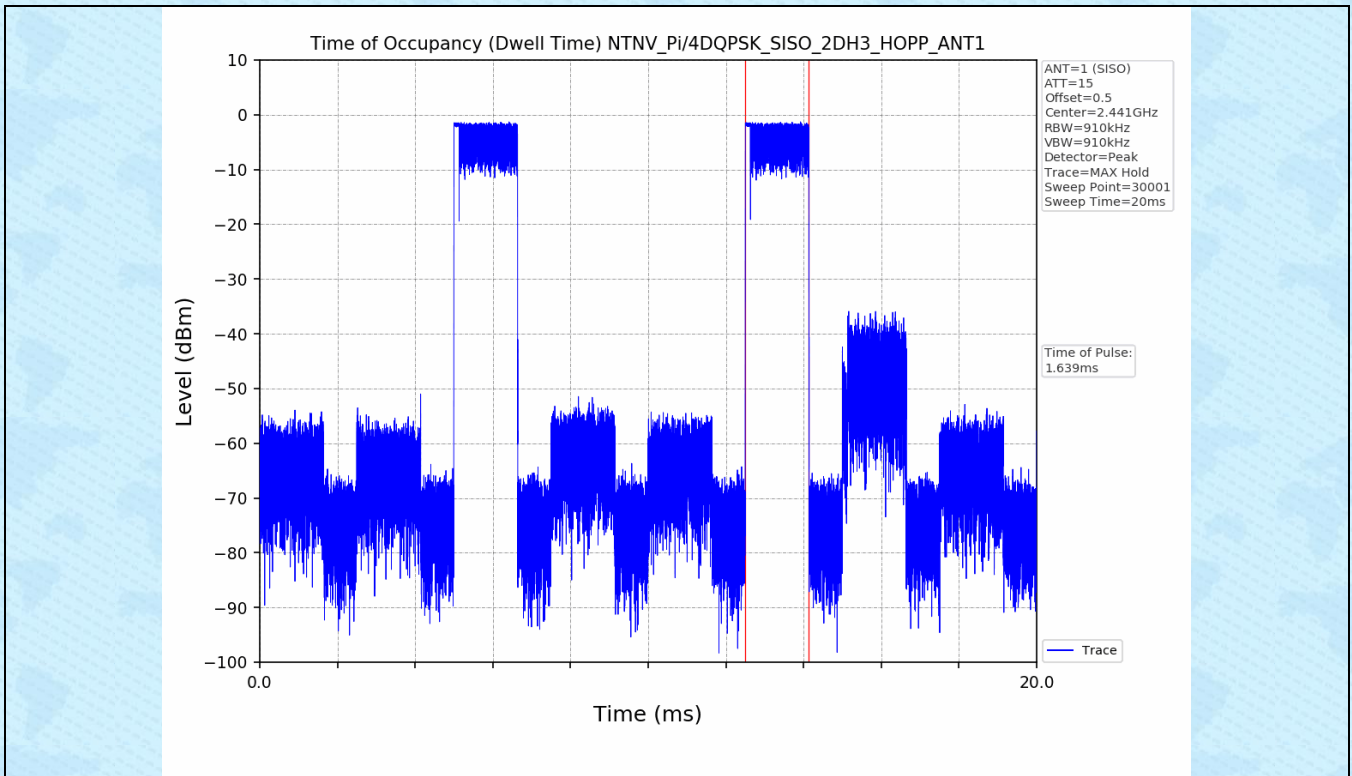
5.2 Test Graph

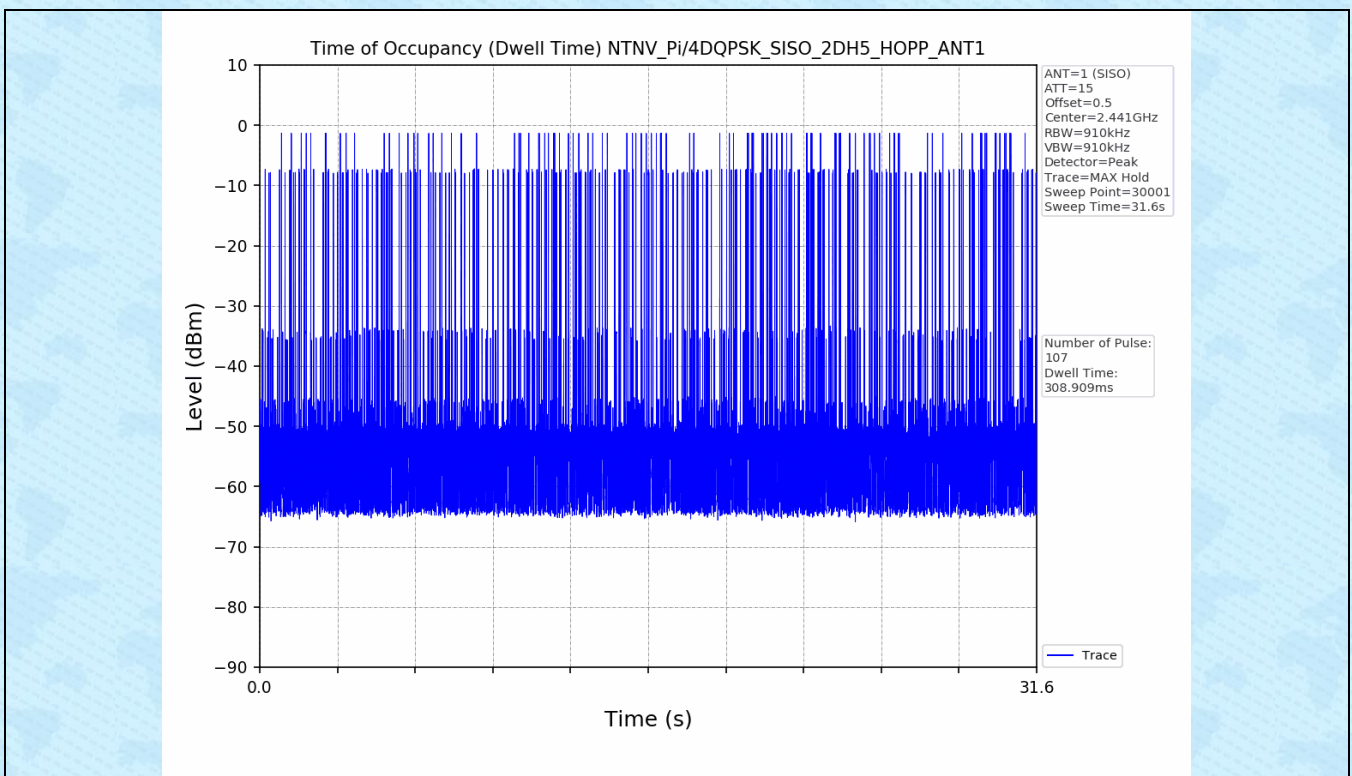
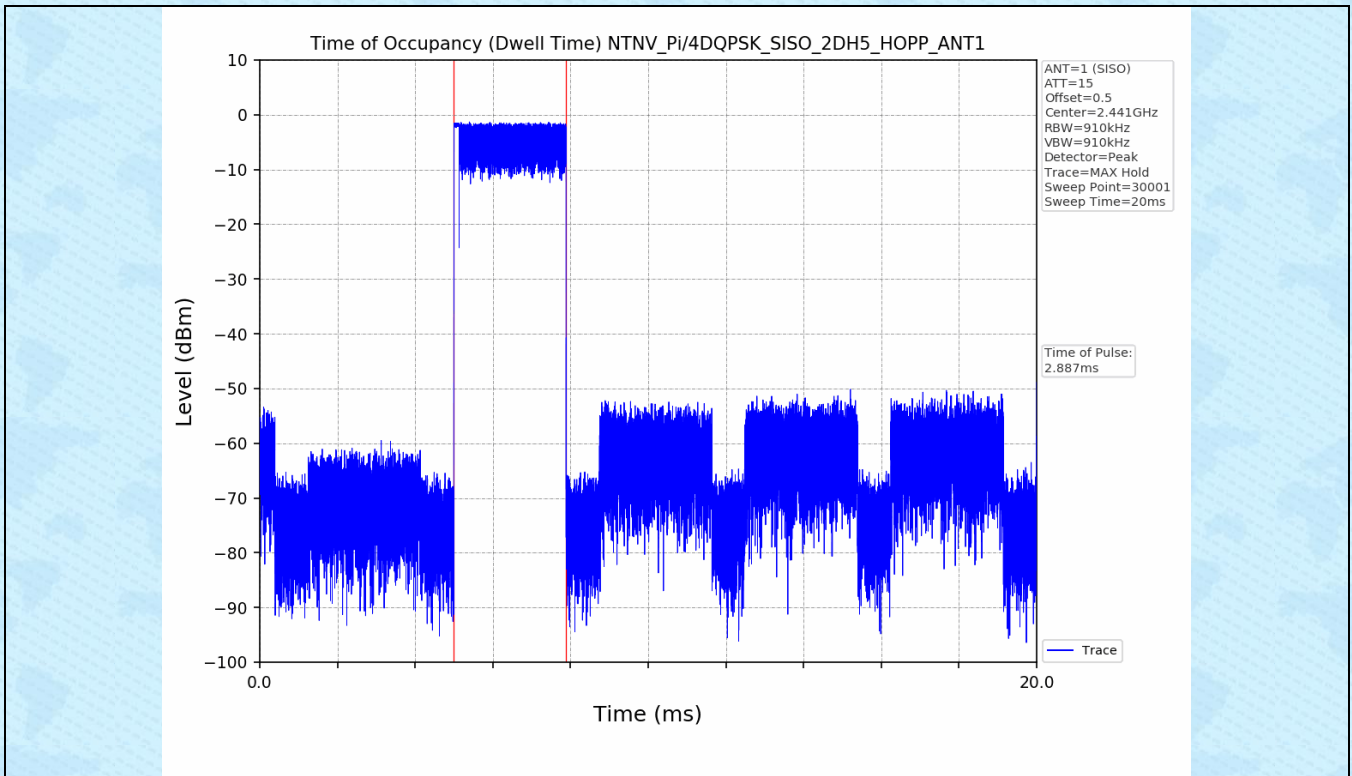


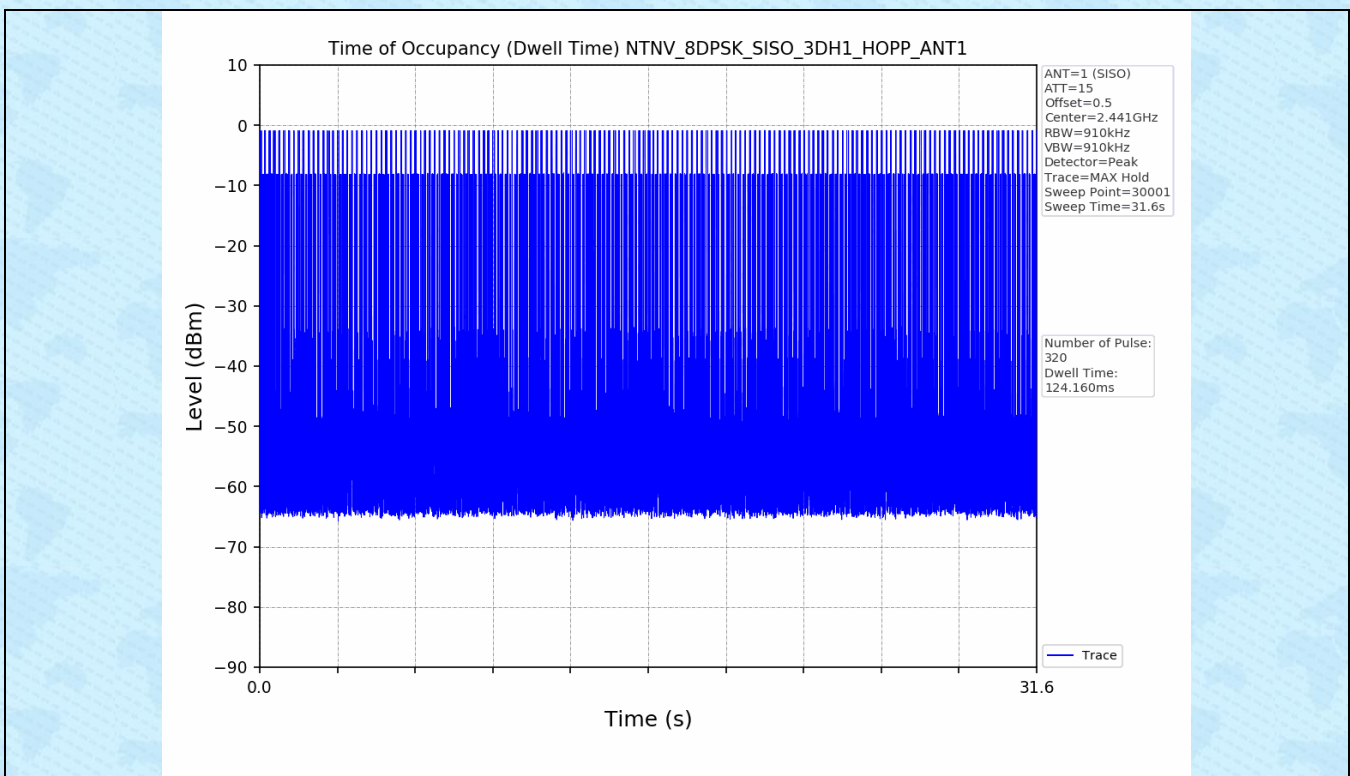
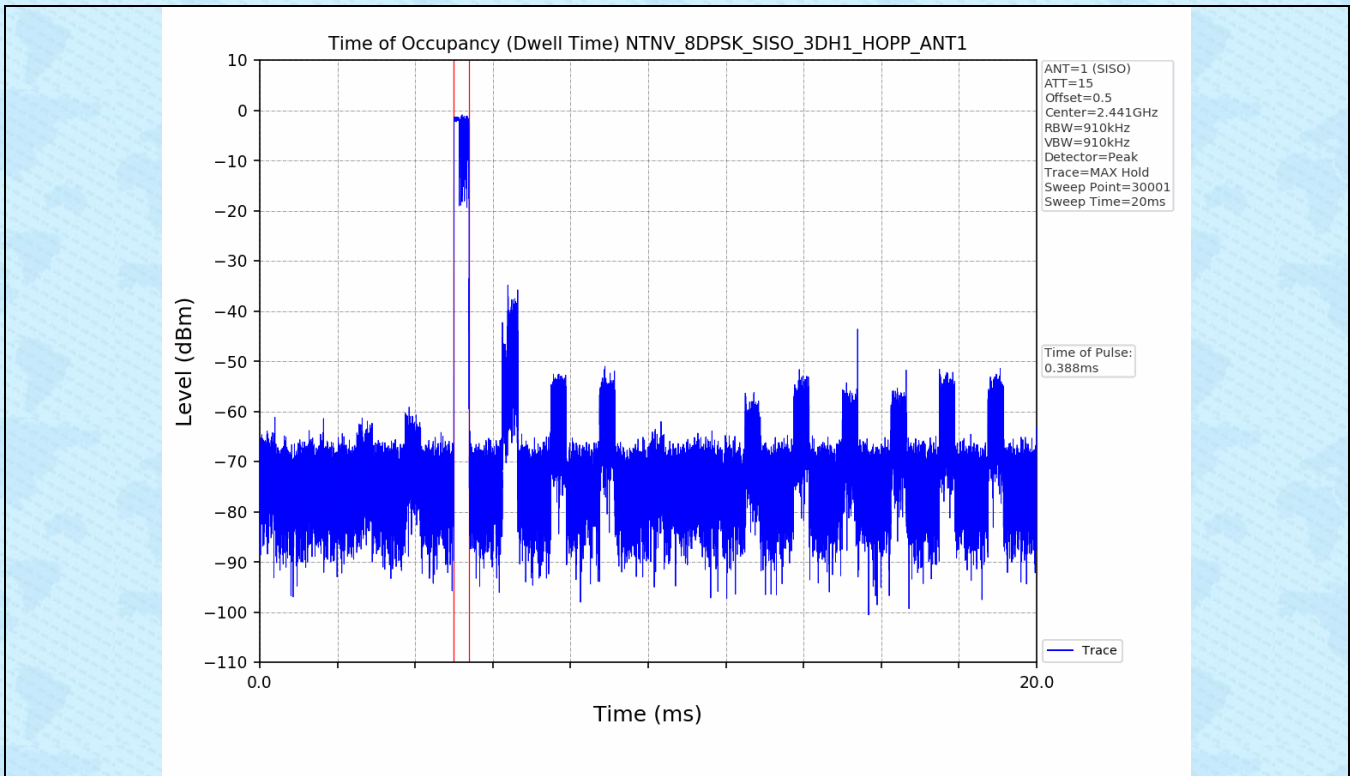


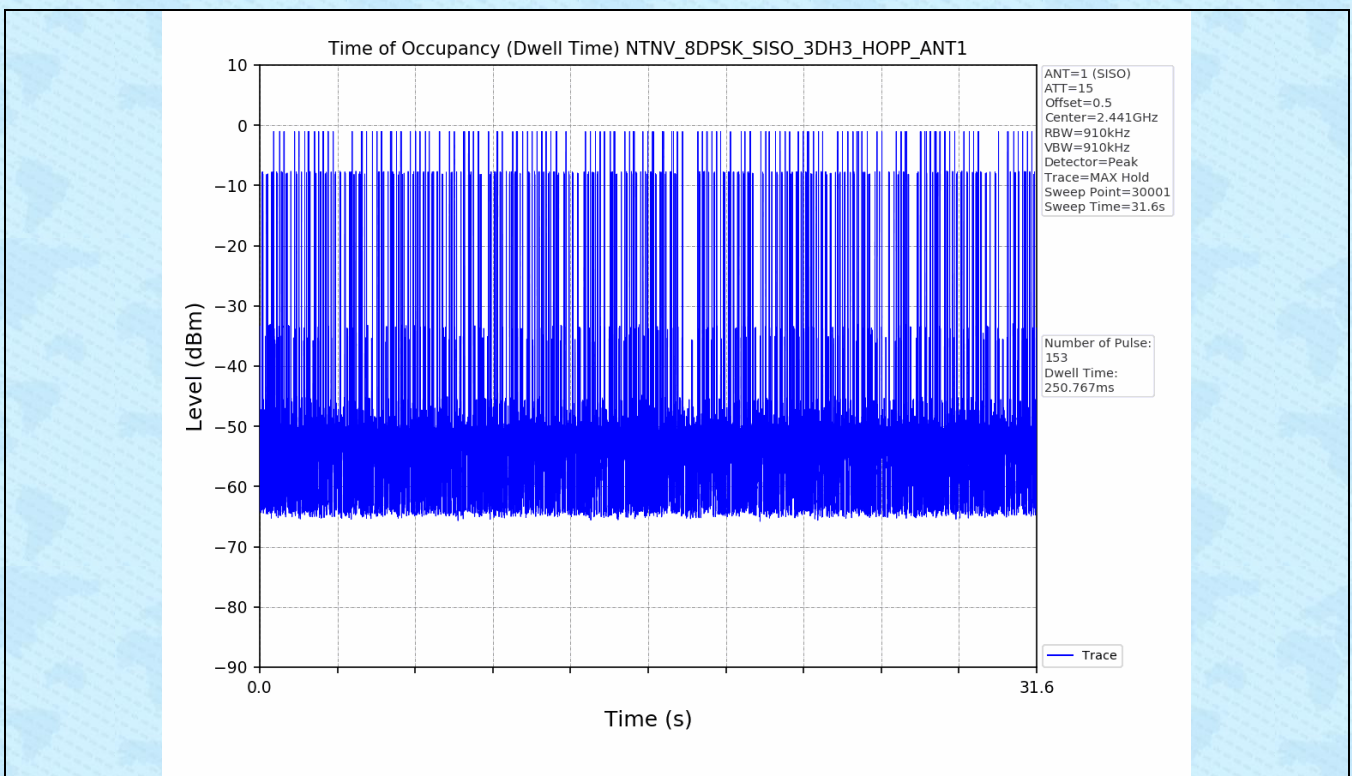
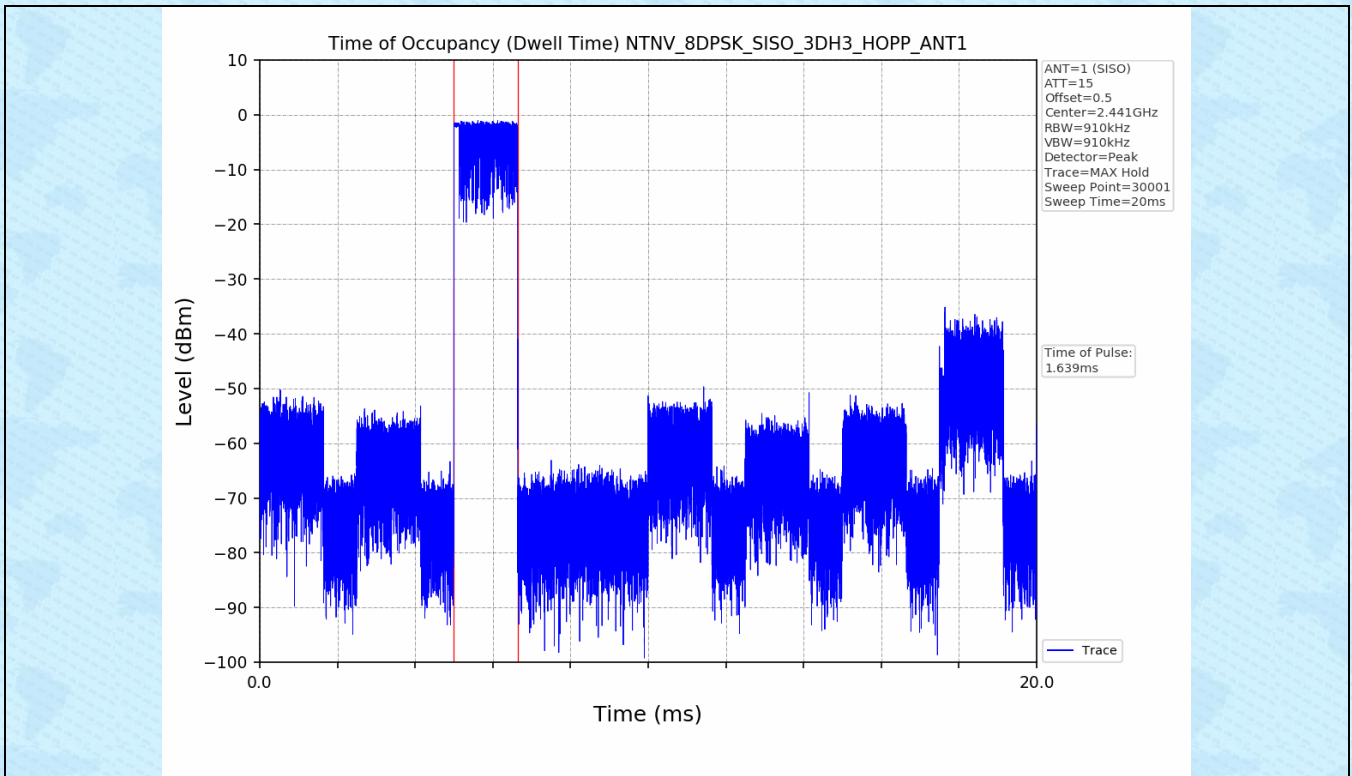


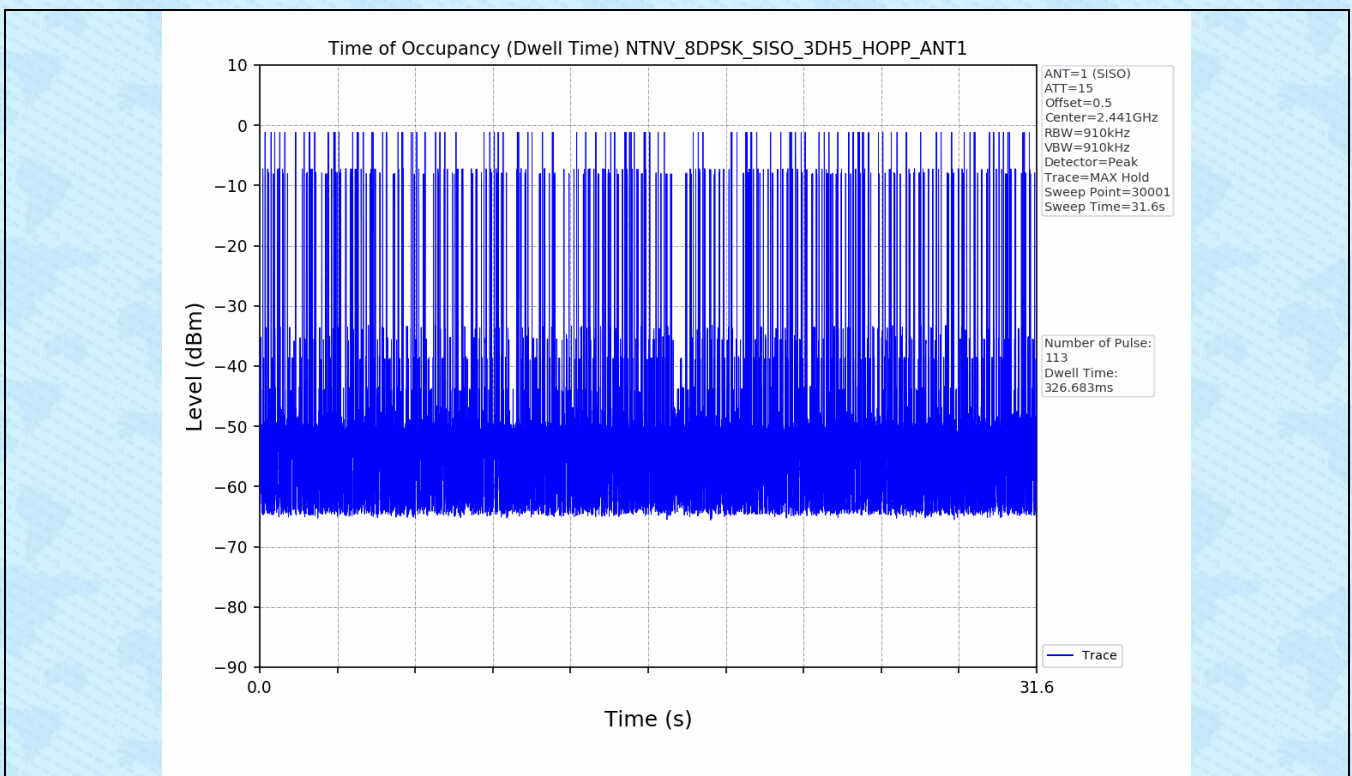
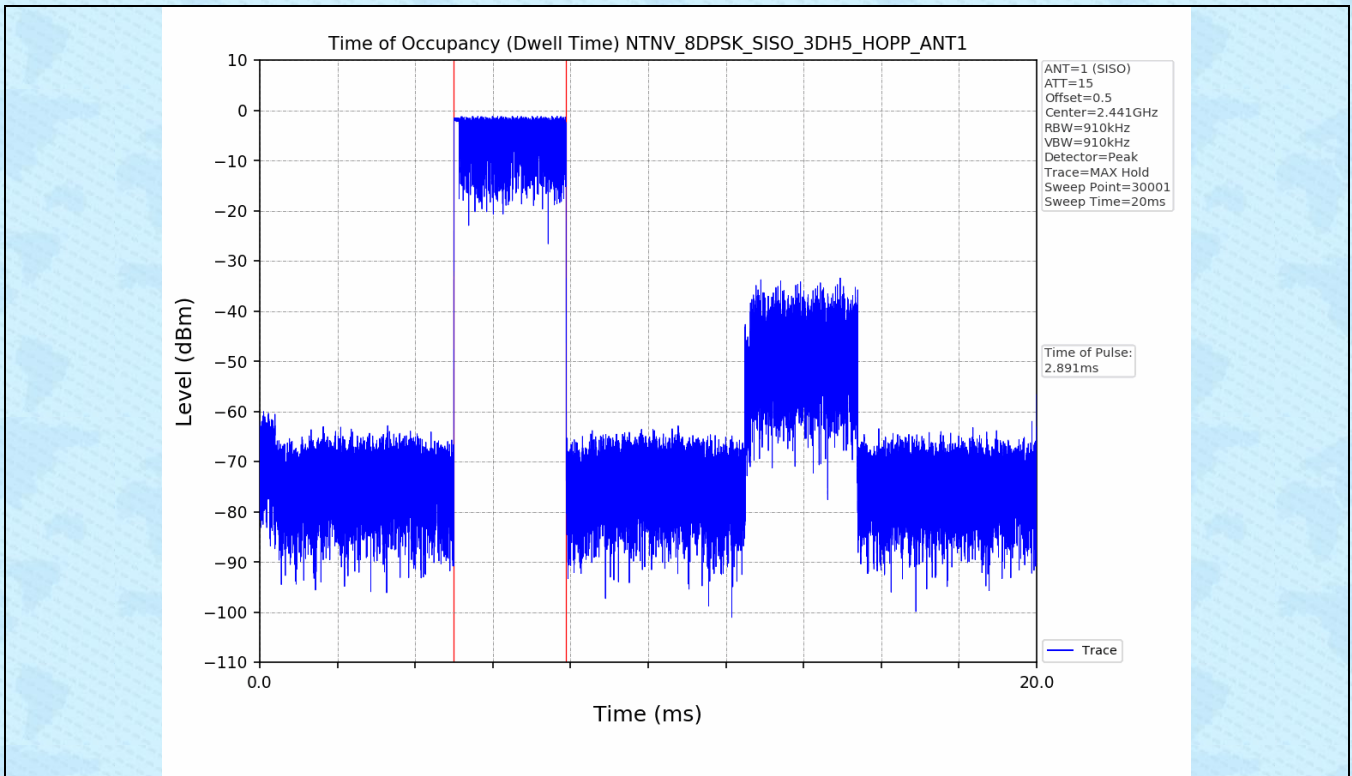










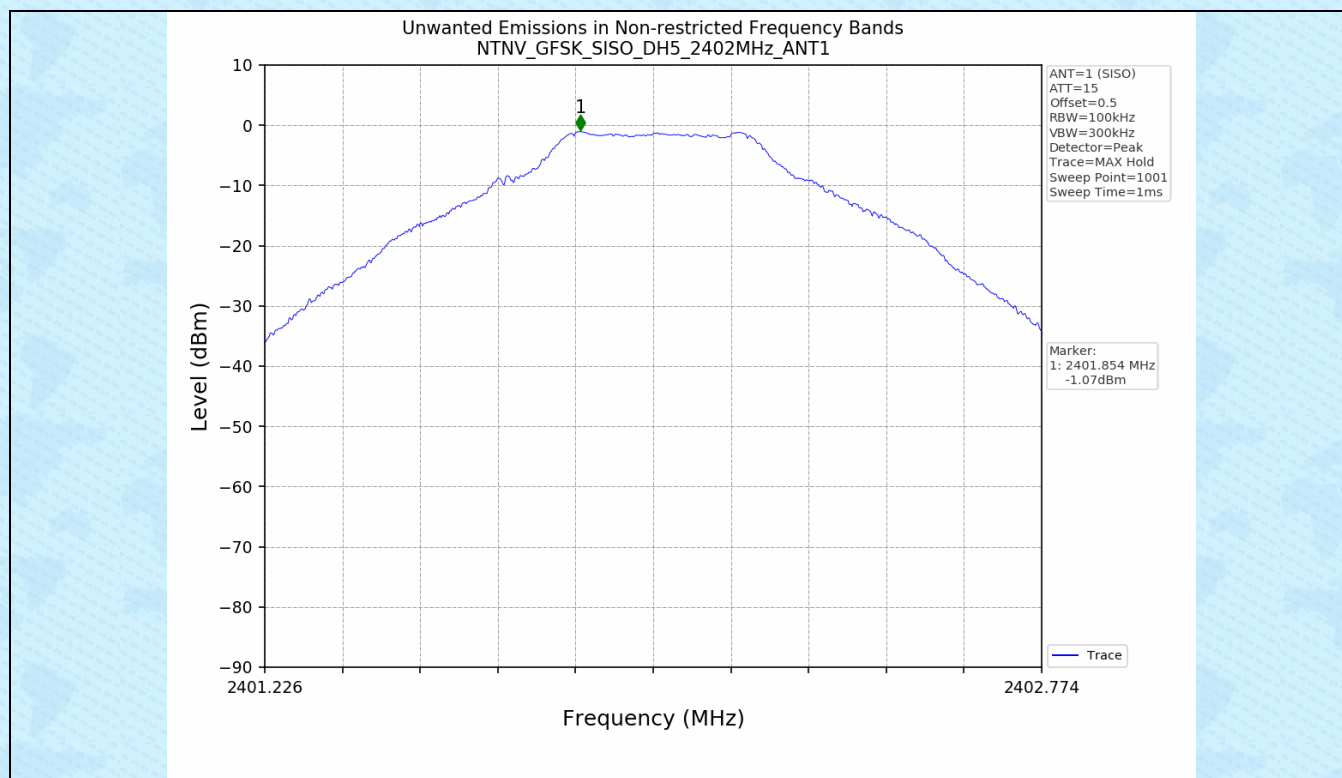


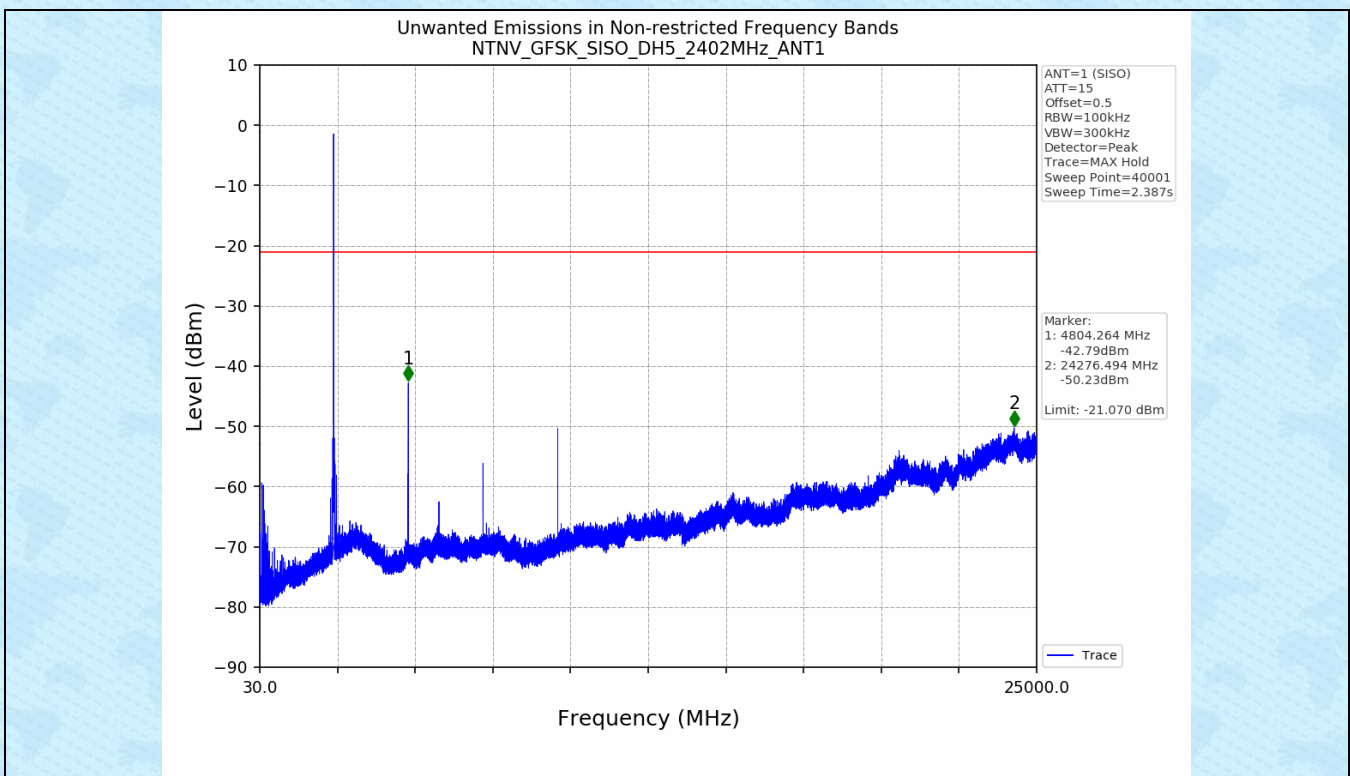
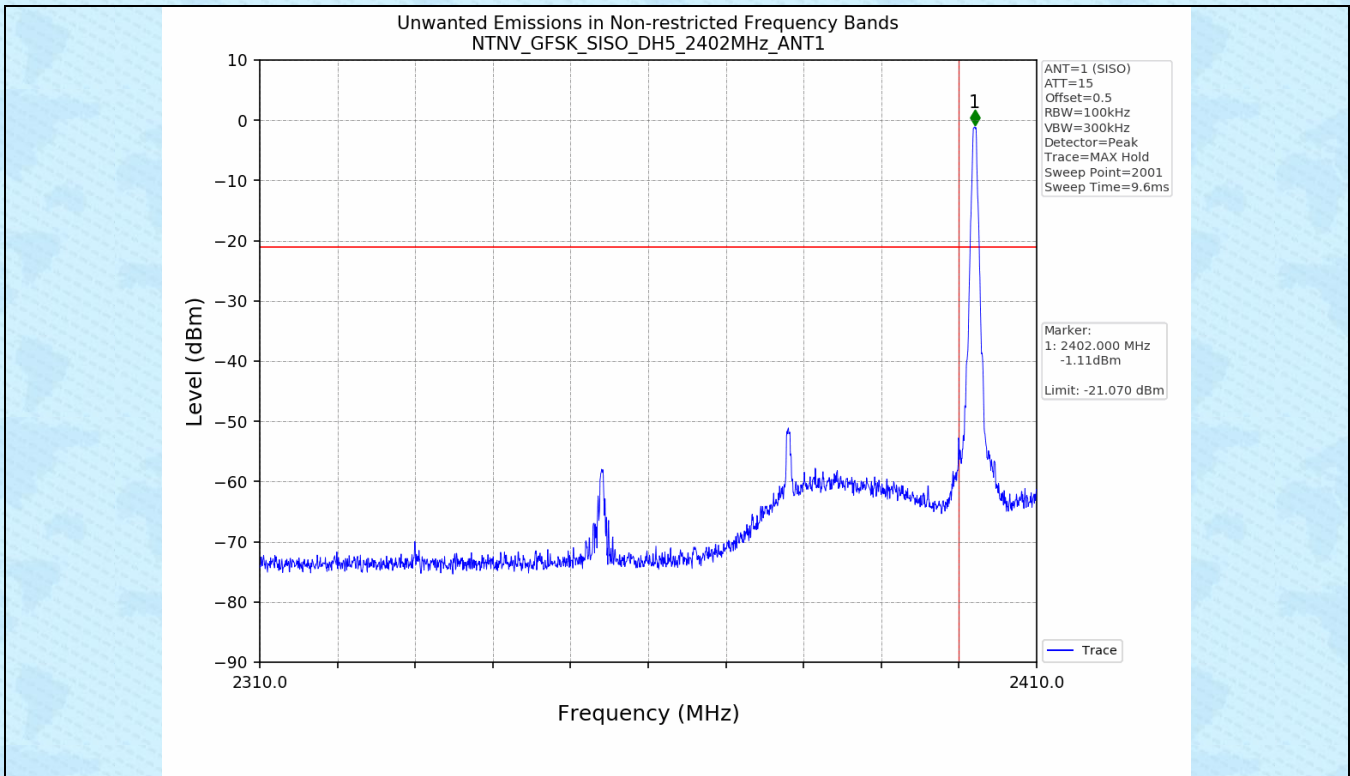
6. Unwanted Emissions in Non-restricted Frequency Bands

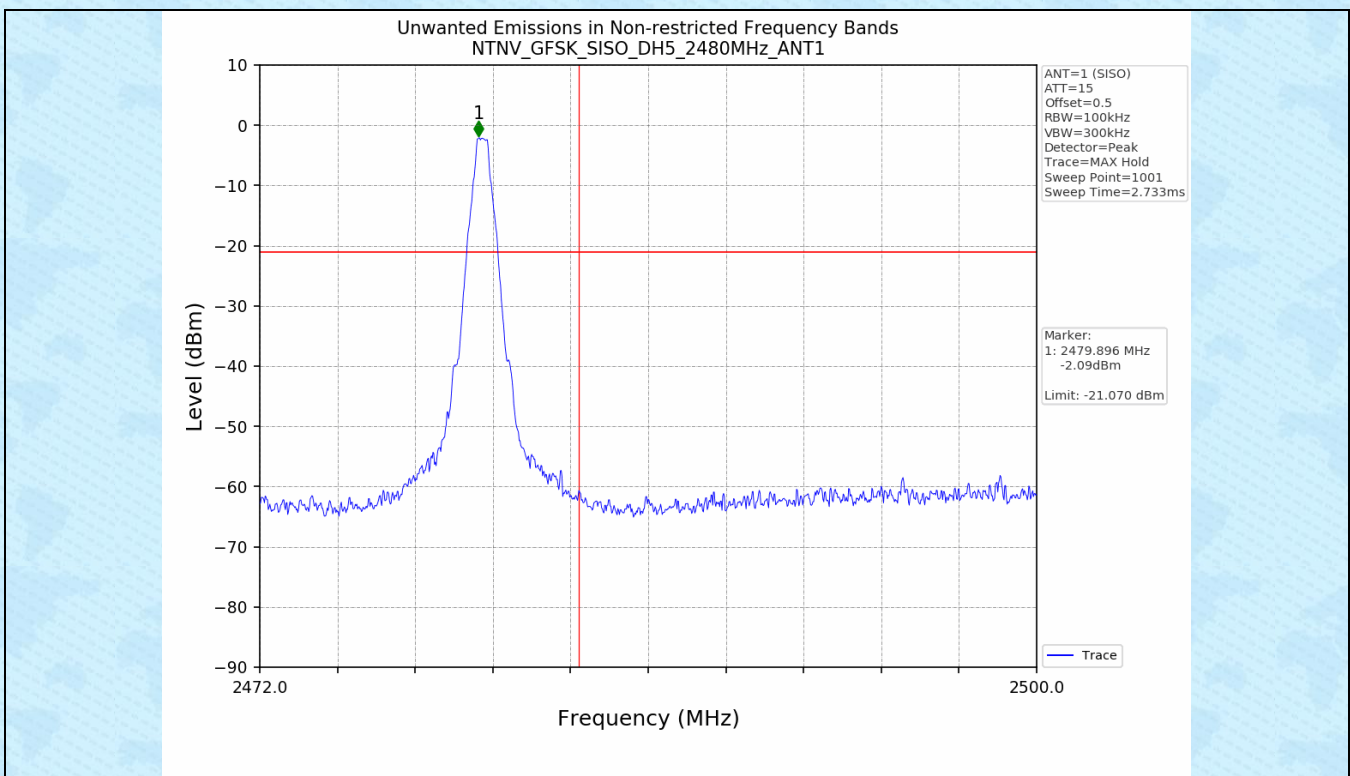
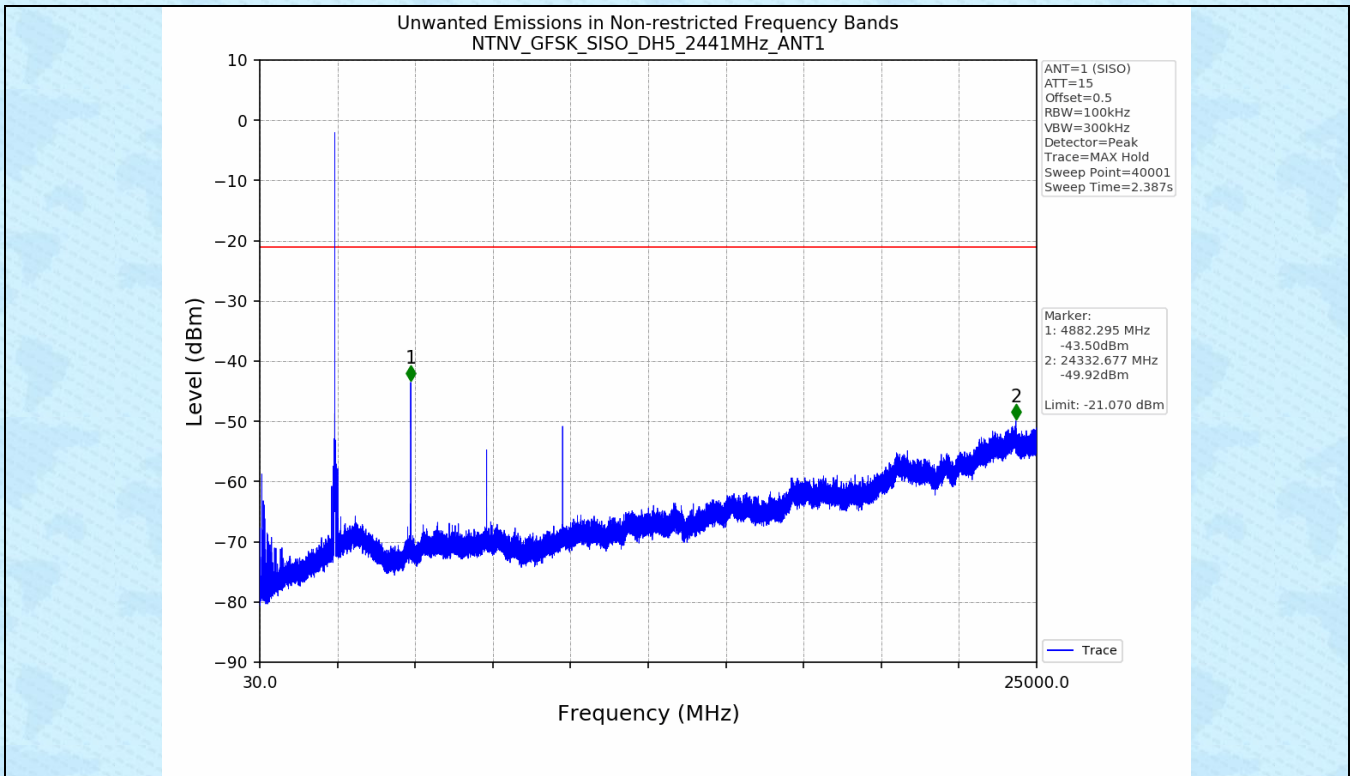
6.1 Test Result

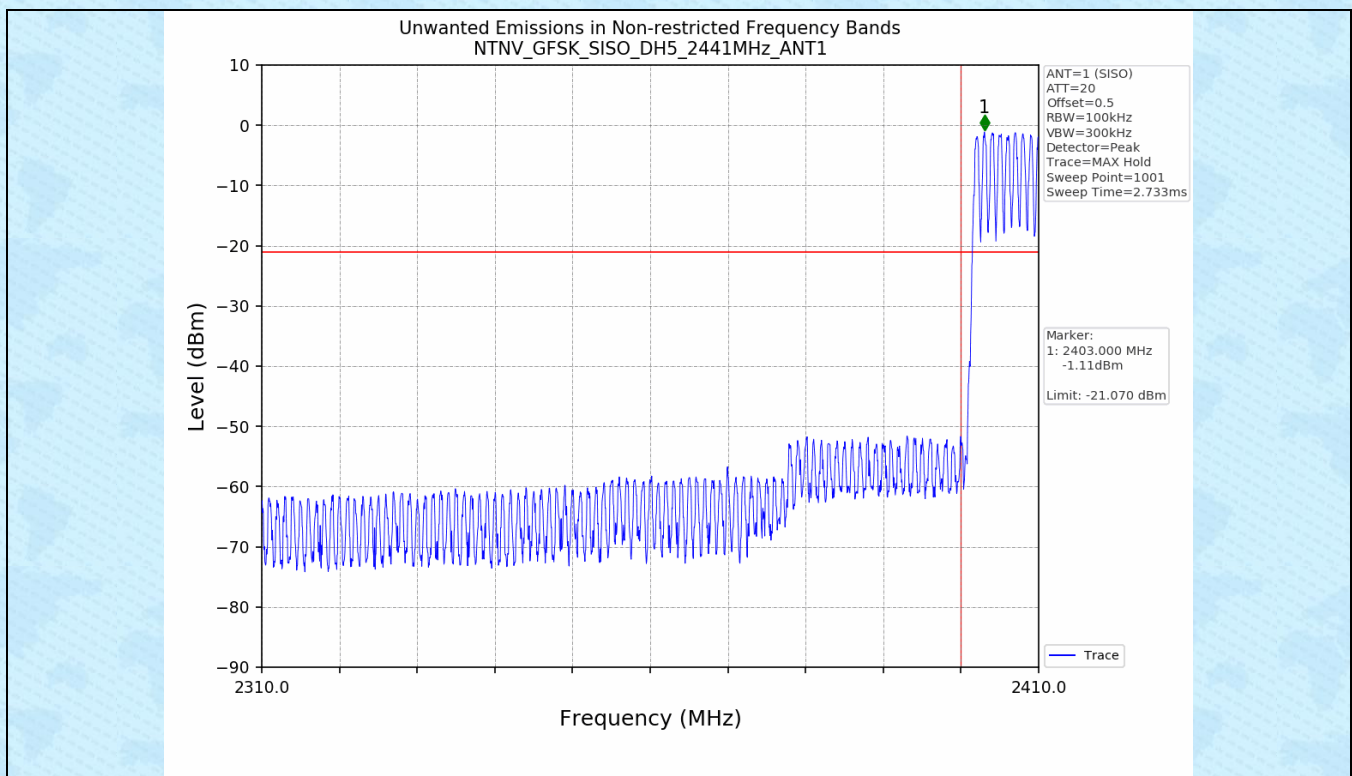
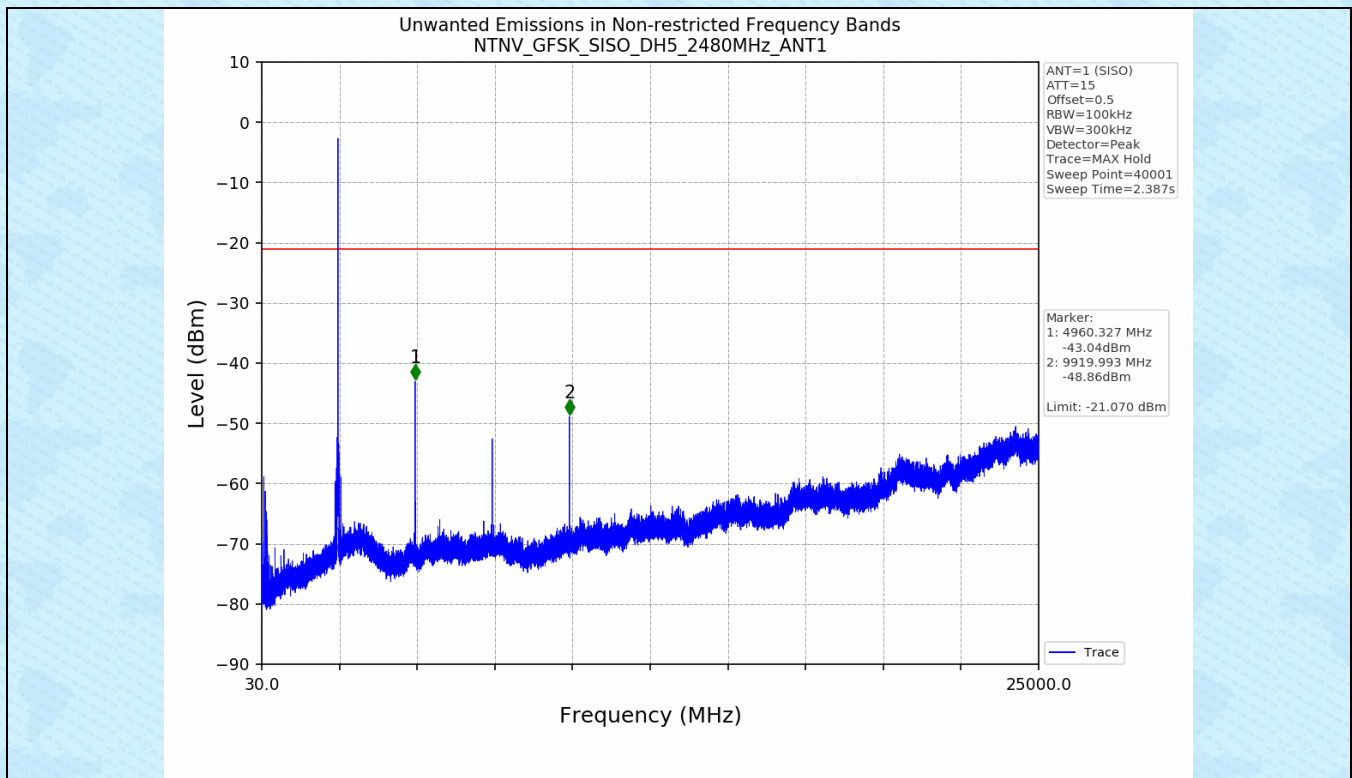
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	ANT1	Refer to test graph	-21.07	PASS
	2441	SISO	ANT1	Refer to test graph	-21.07	PASS
	2480	SISO	ANT1	Refer to test graph	-21.07	PASS
	Hopping	SISO	ANT1	Refer to test graph	-21.07	PASS
$\pi/4$ -DQPSK	2402	SISO	ANT1	Refer to test graph	-21.04	PASS
	2441	SISO	ANT1	Refer to test graph	-21.04	PASS
	2480	SISO	ANT1	Refer to test graph	-21.04	PASS
	Hopping	SISO	ANT1	Refer to test graph	-21.04	PASS
8-DPSK	2402	SISO	ANT1	Refer to test graph	-21.07	PASS
	2441	SISO	ANT1	Refer to test graph	-21.07	PASS
	2480	SISO	ANT1	Refer to test graph	-21.07	PASS
	Hopping	SISO	ANT1	Refer to test graph	-21.07	PASS

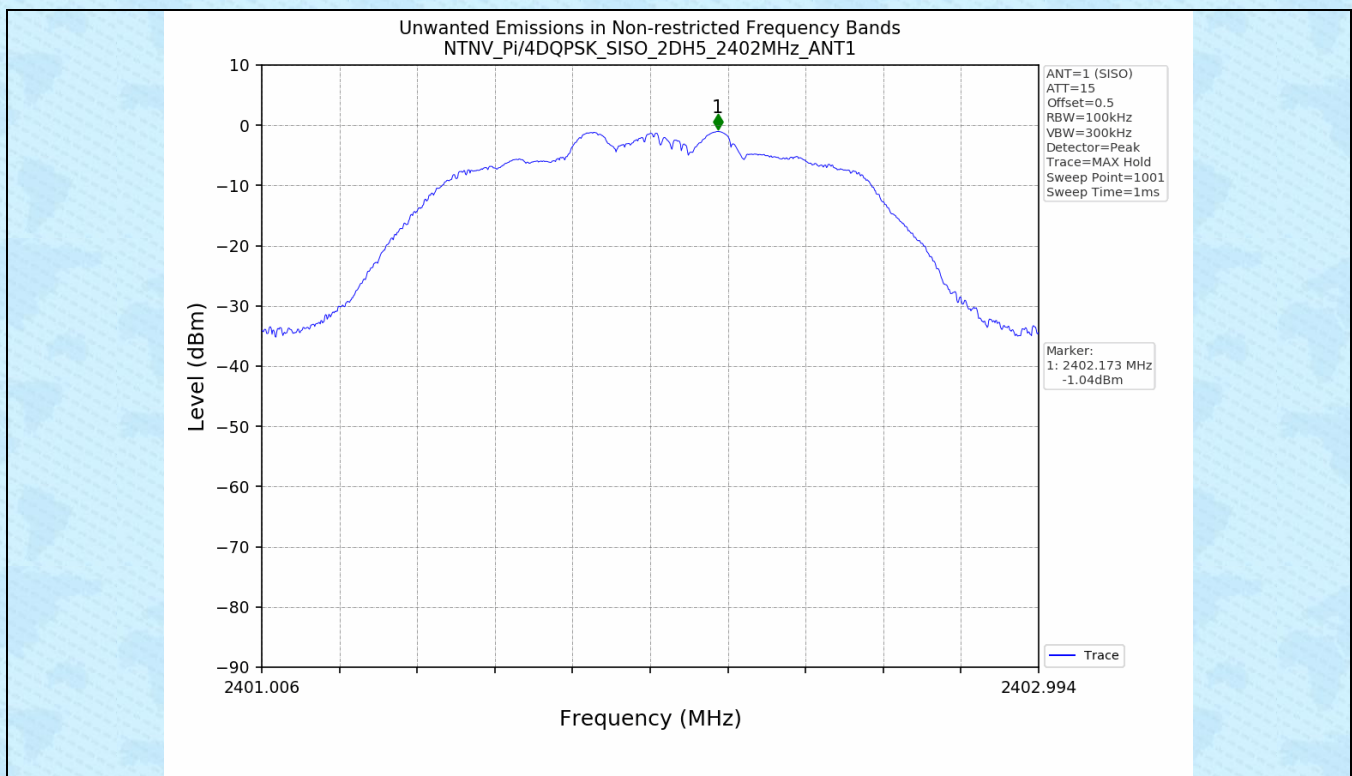
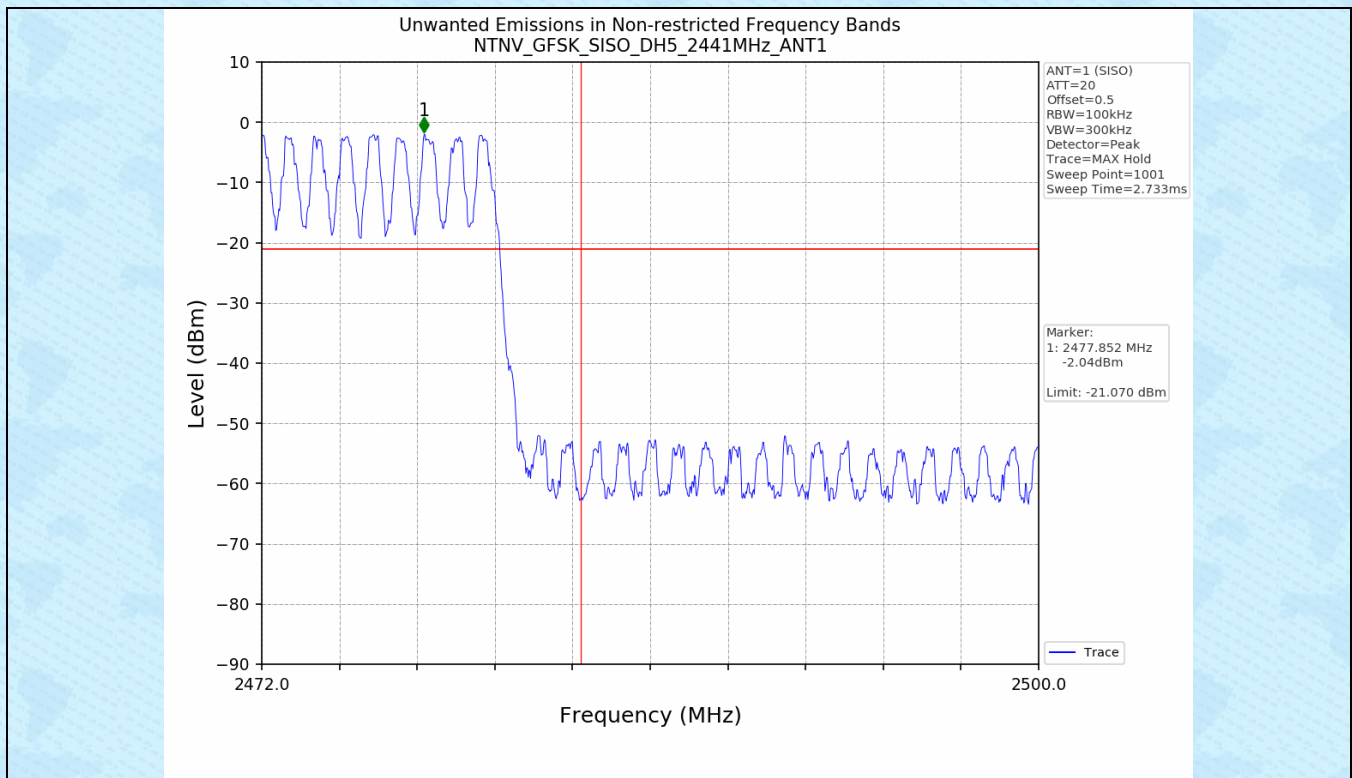
6.2 Test Graph

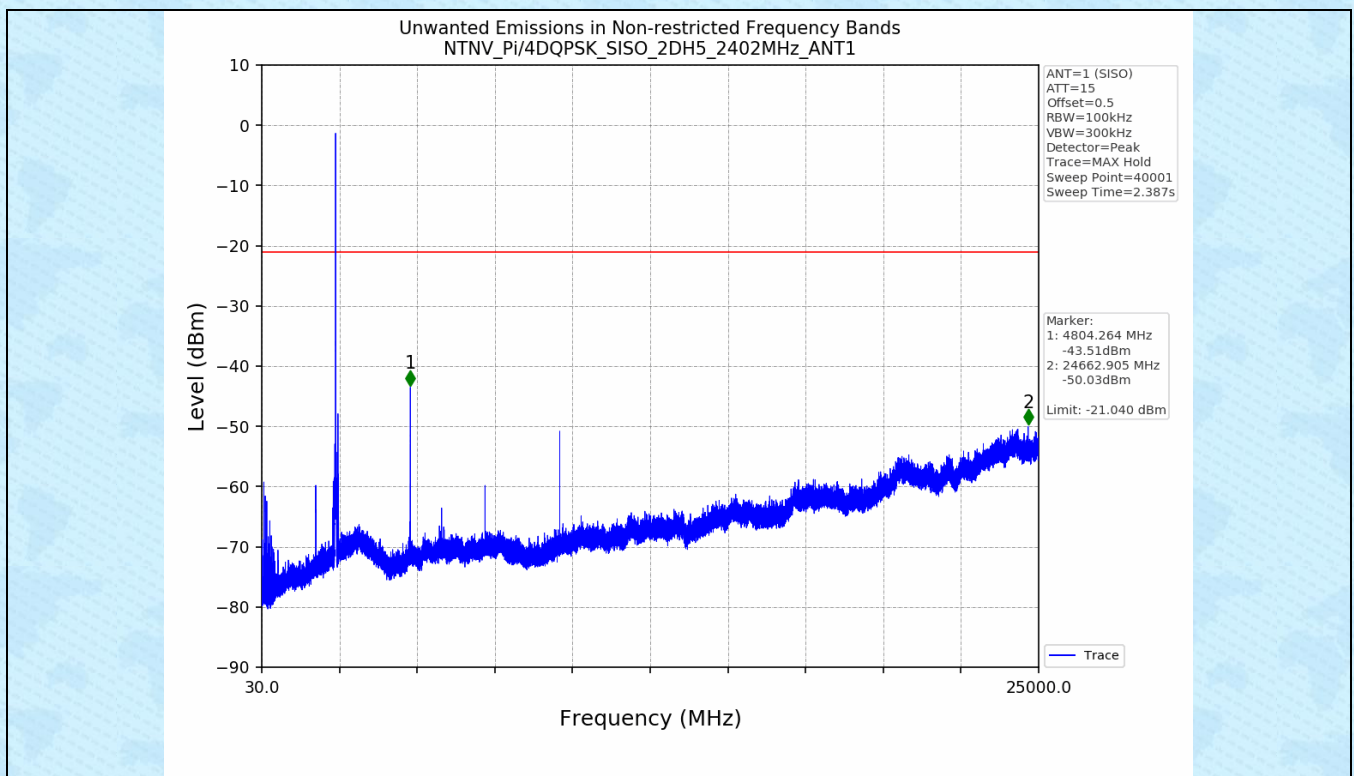
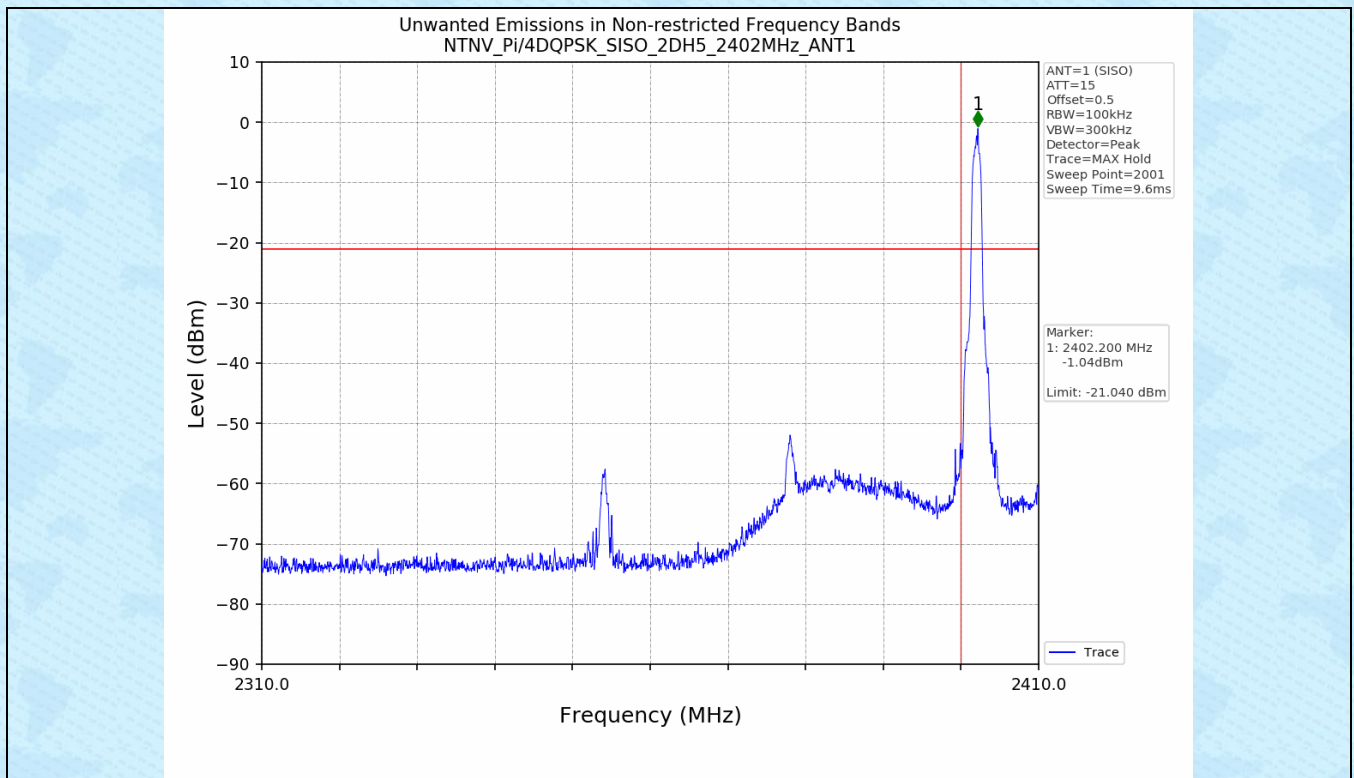


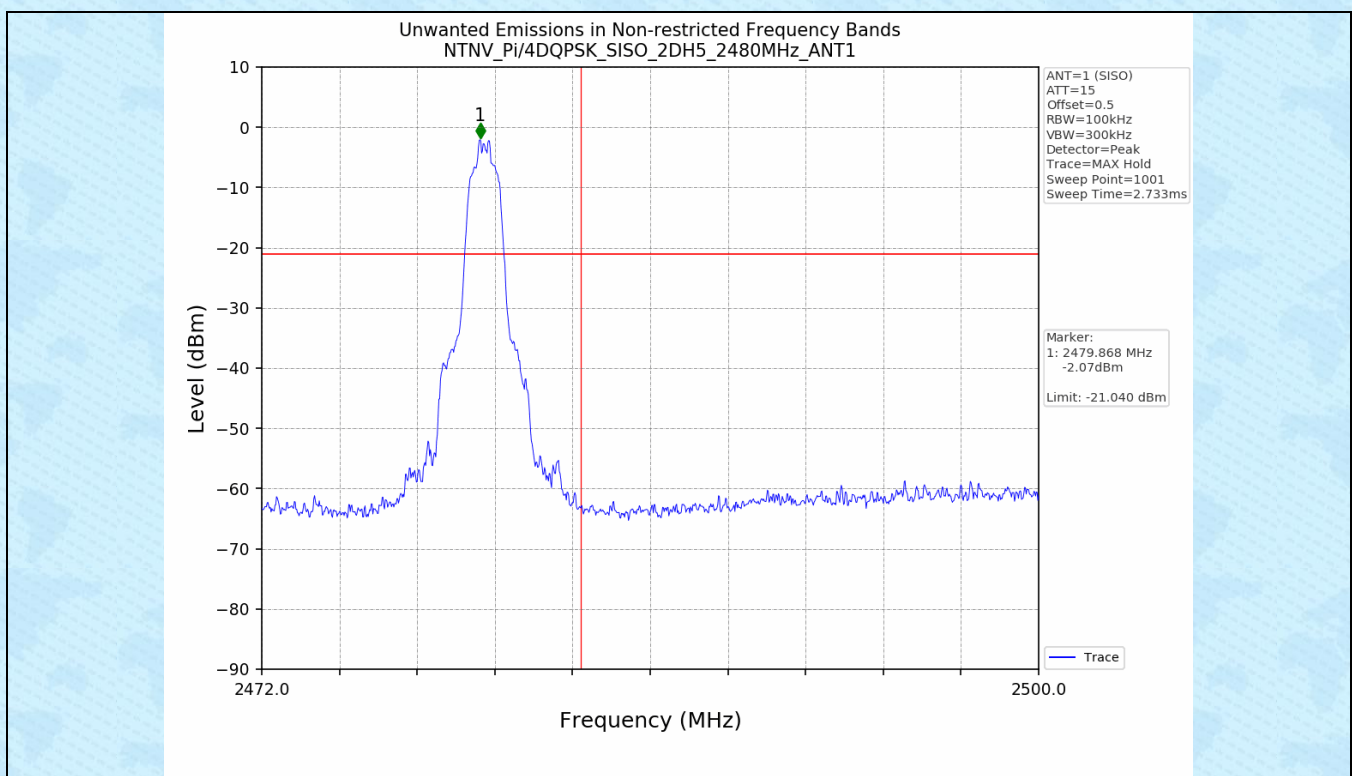
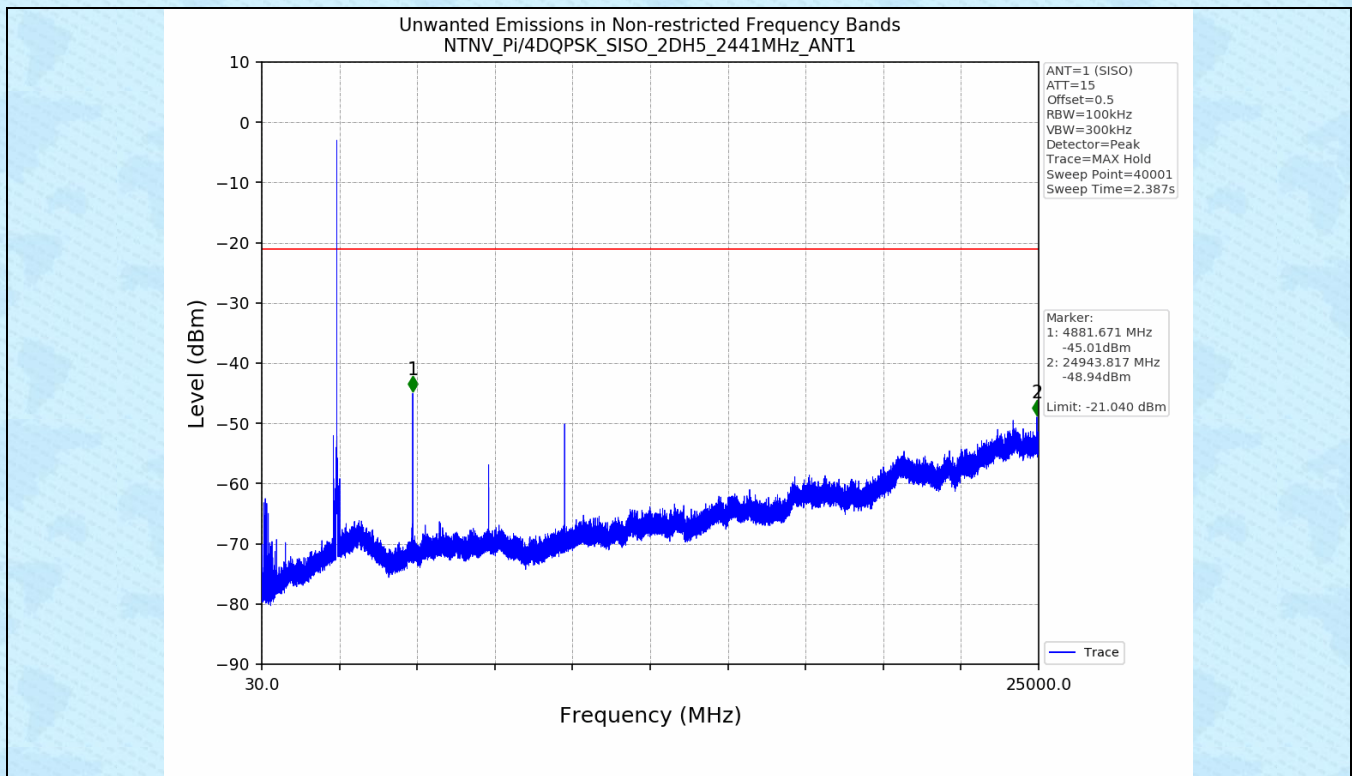


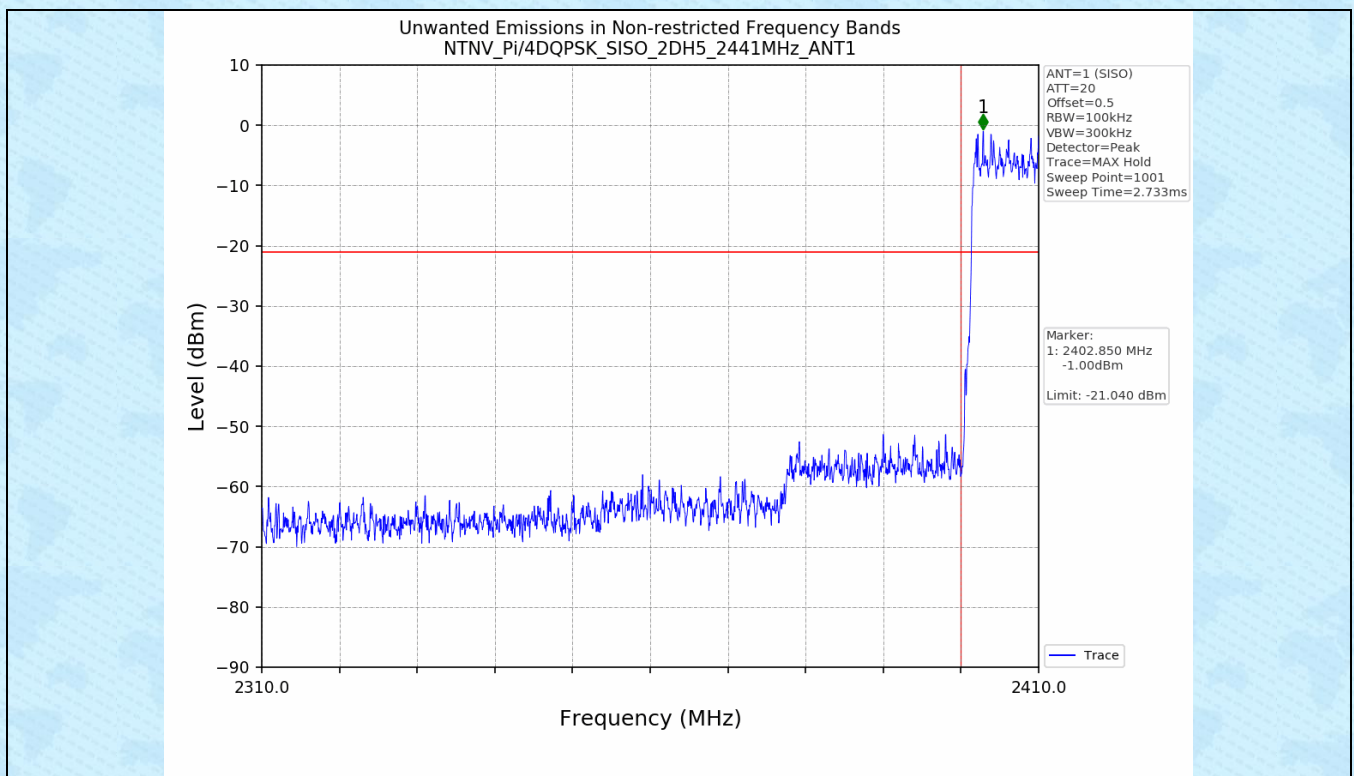
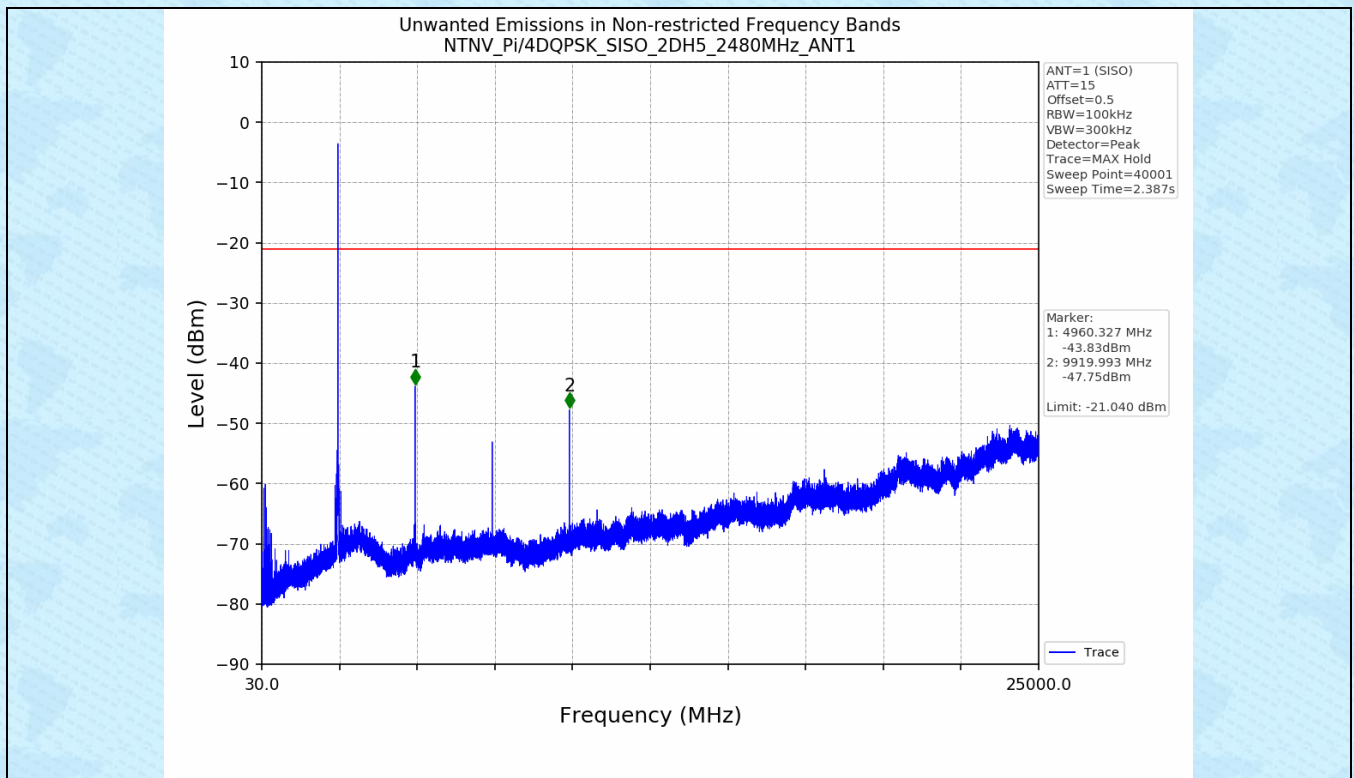


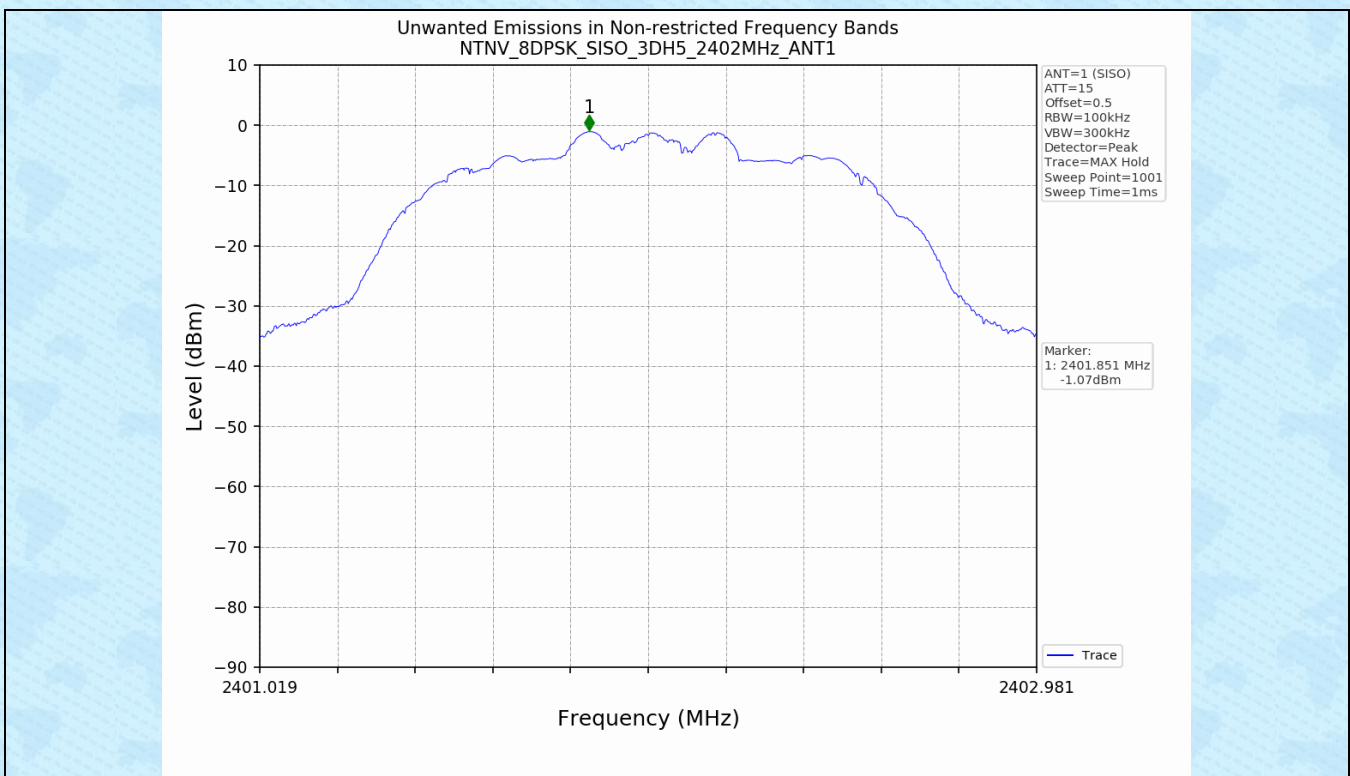
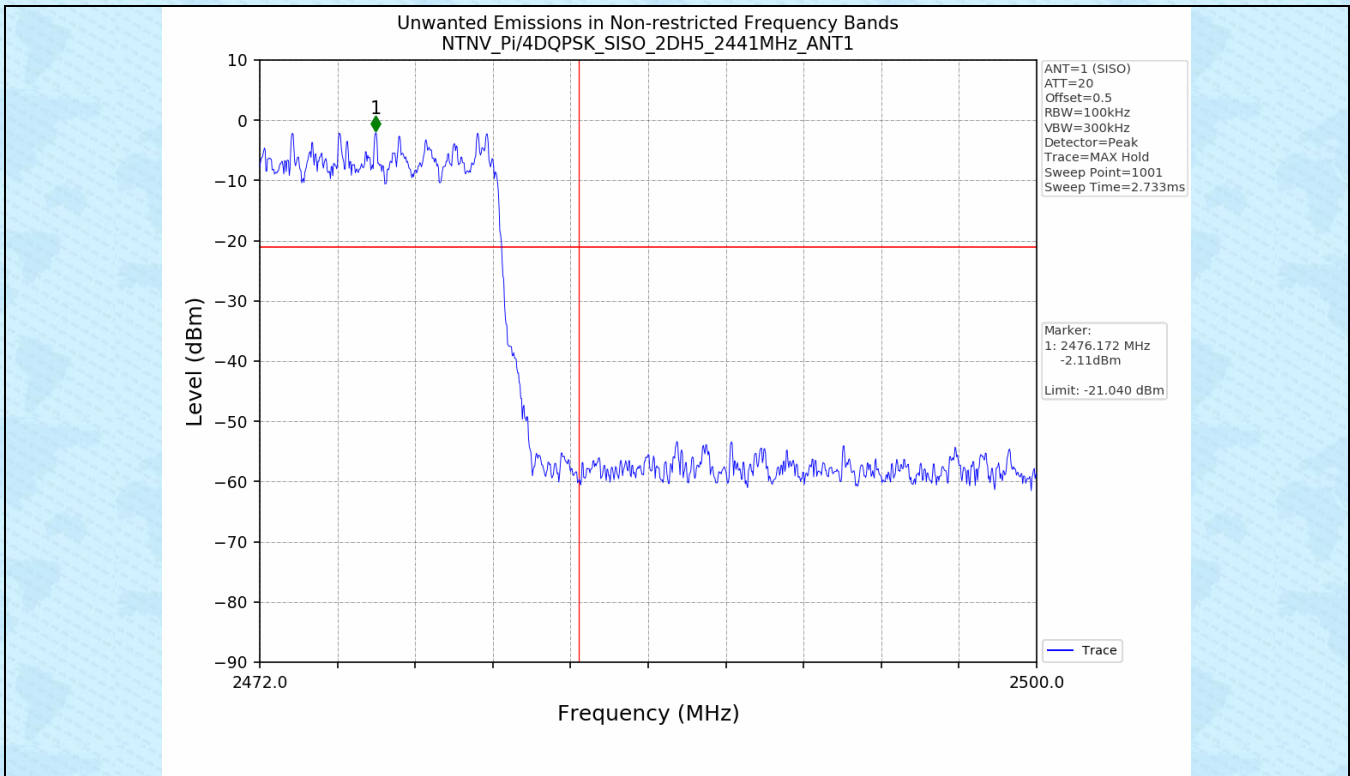


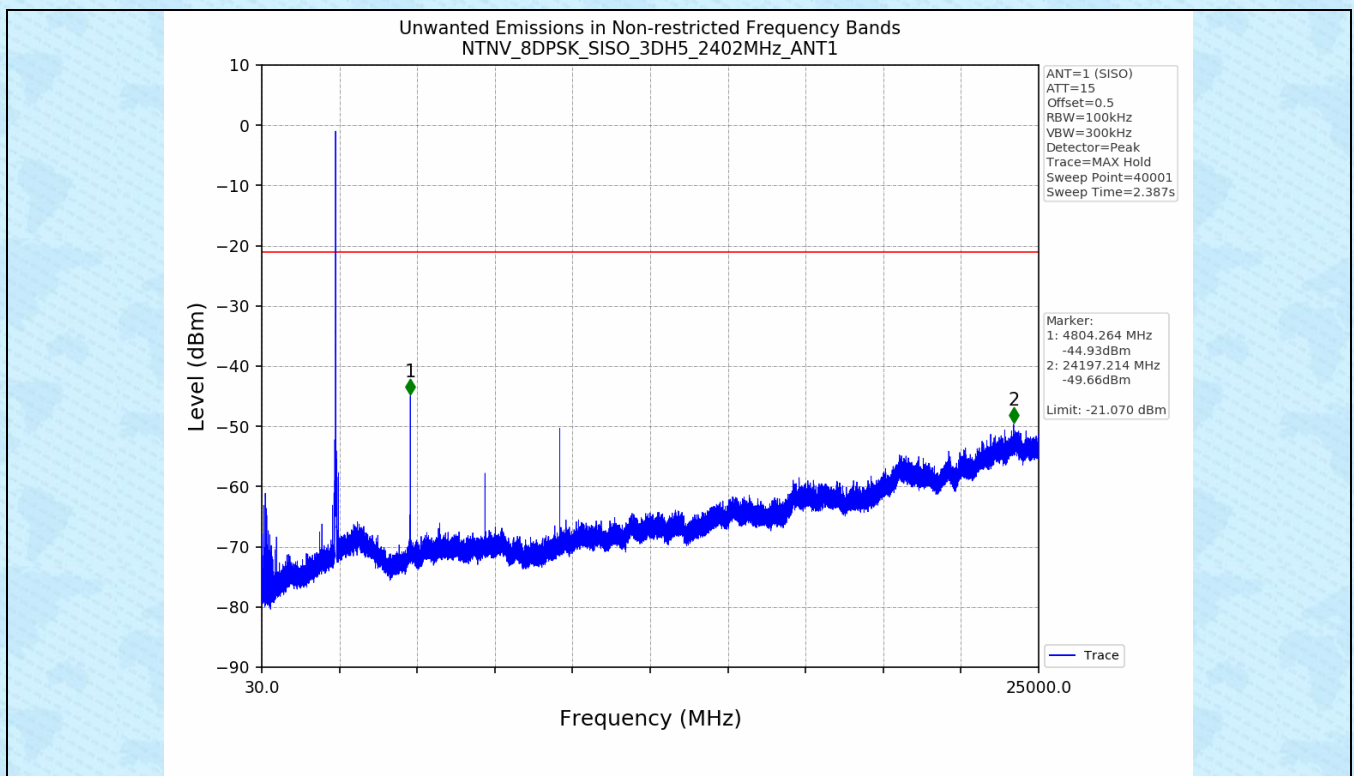
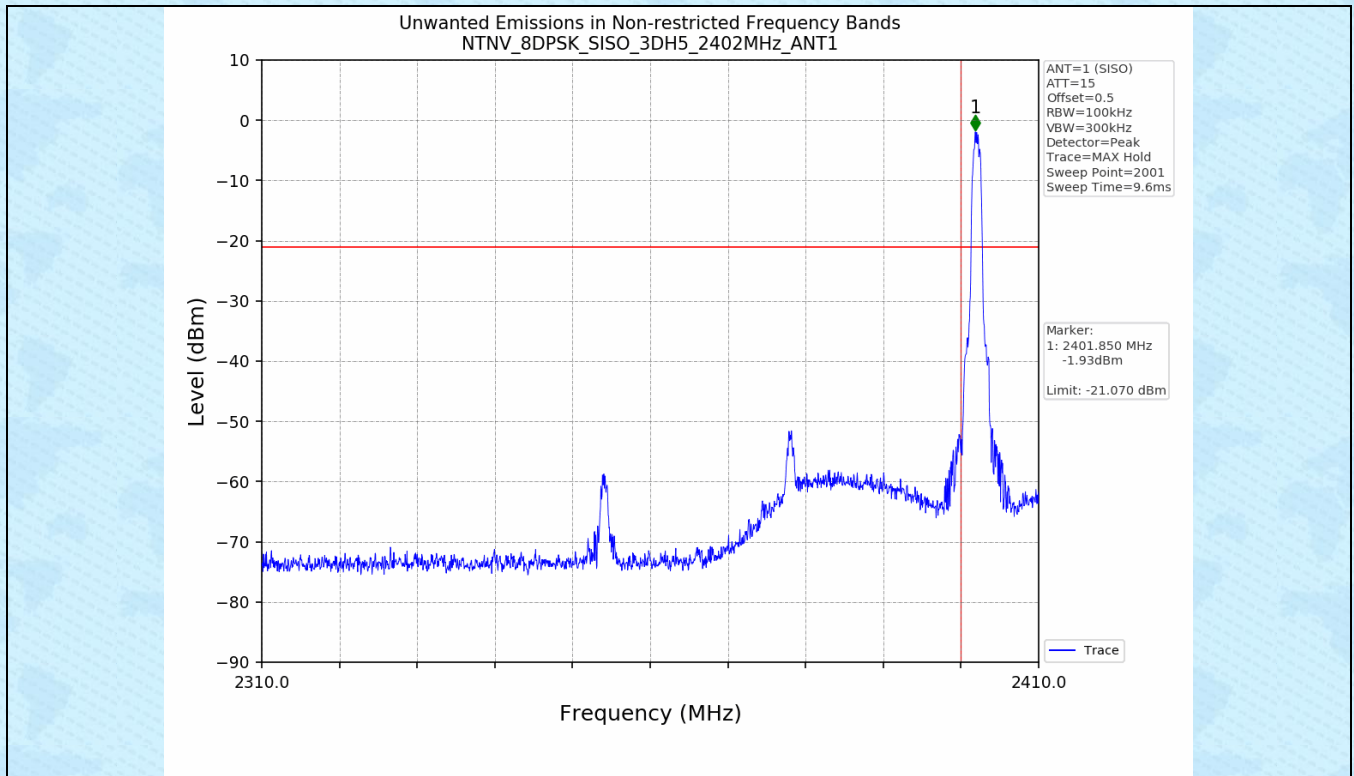


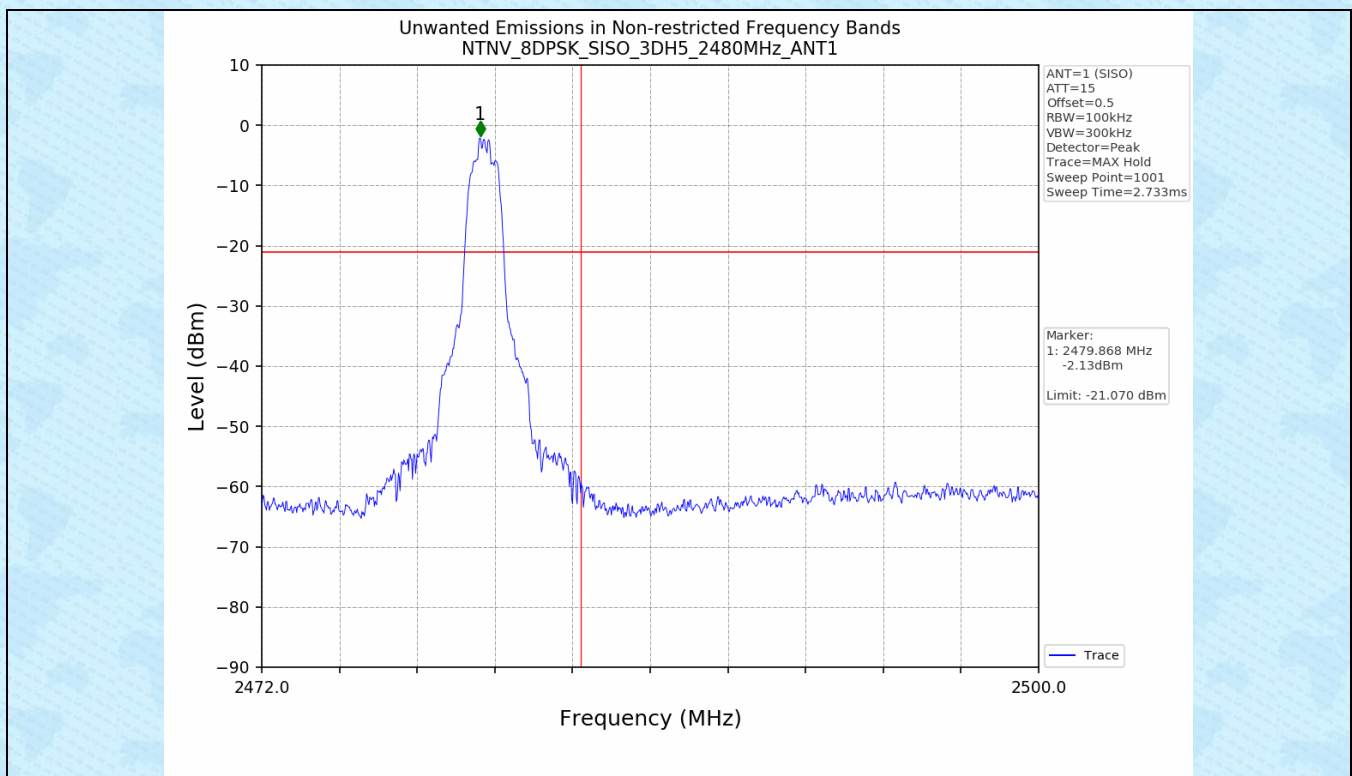
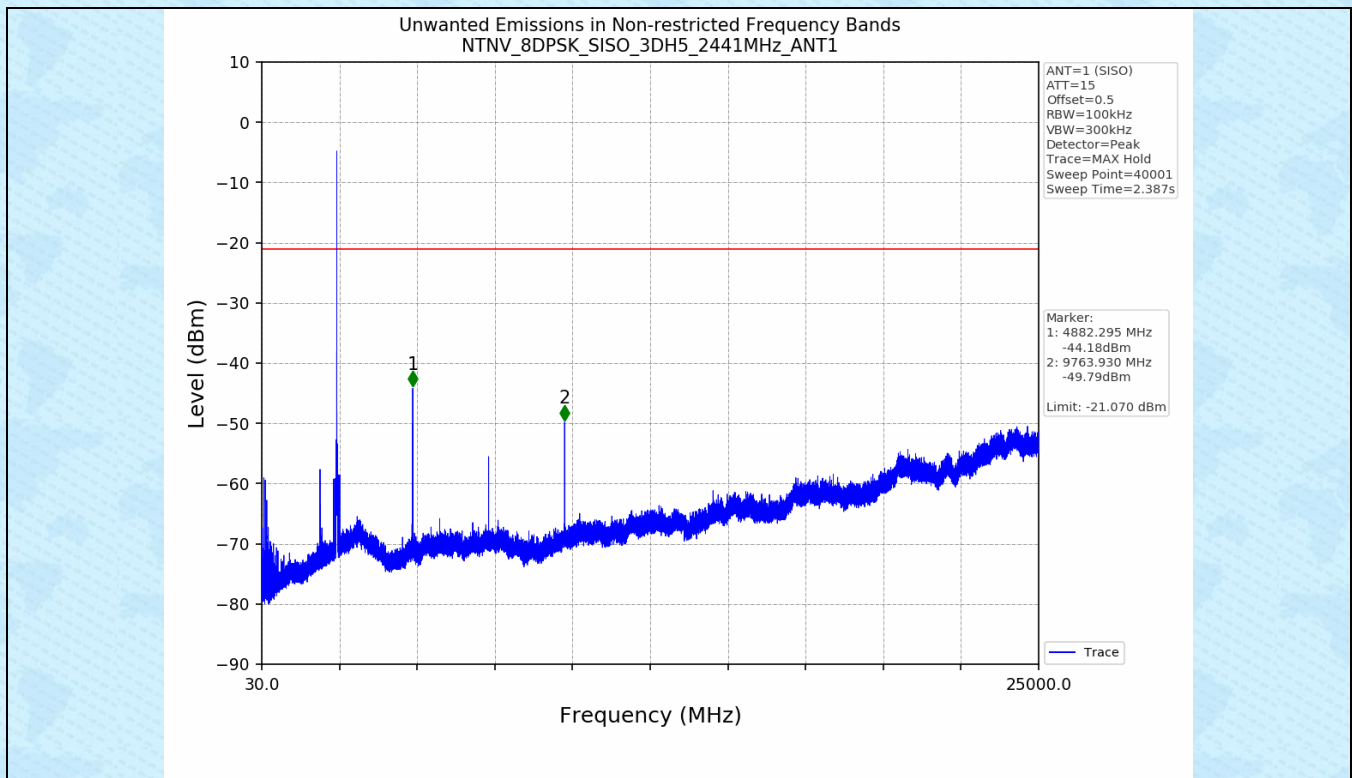


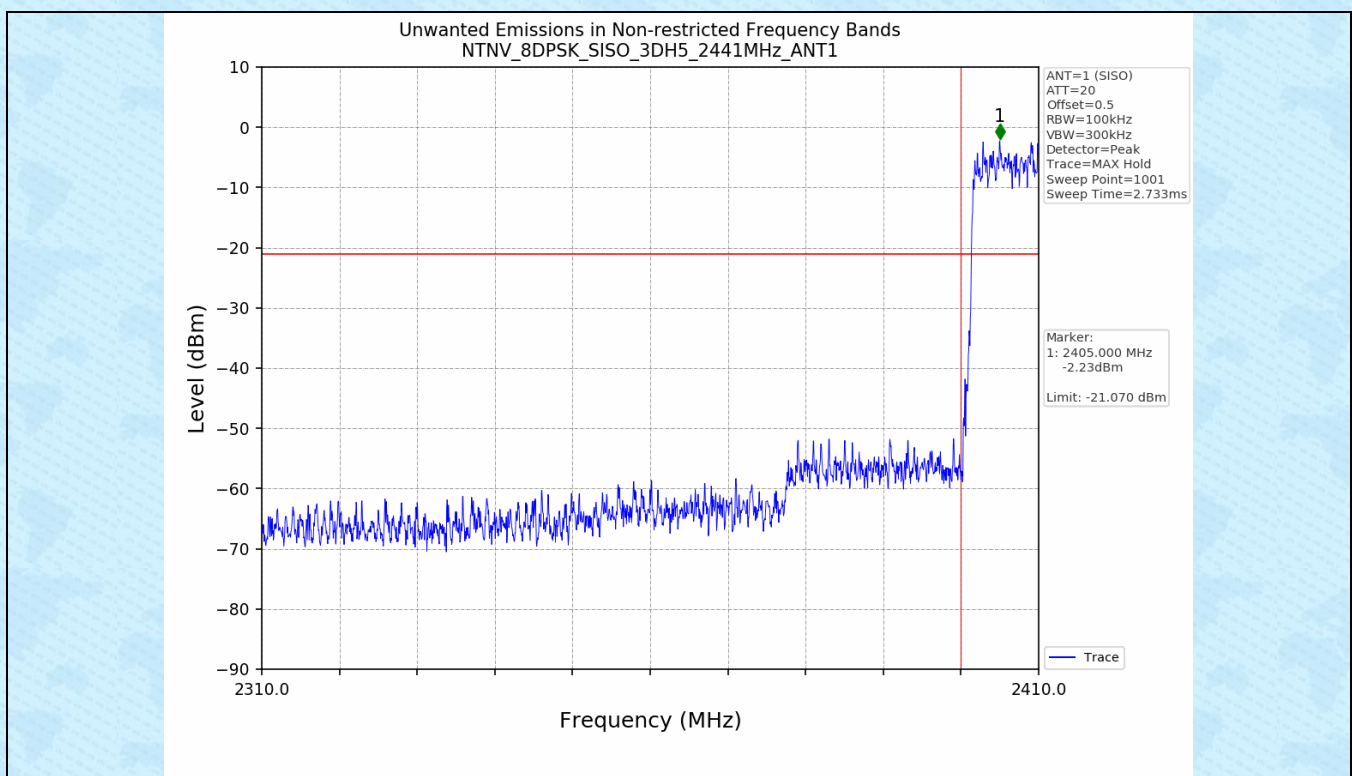
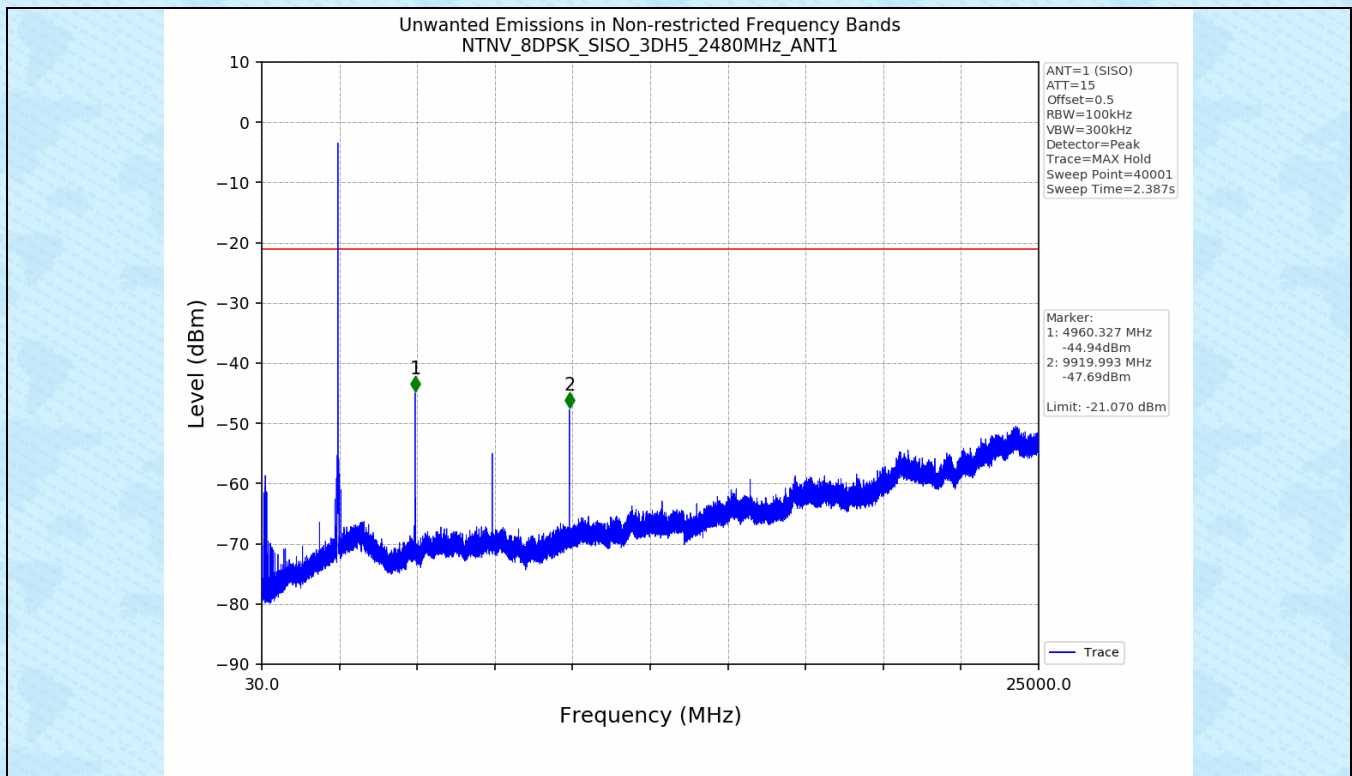


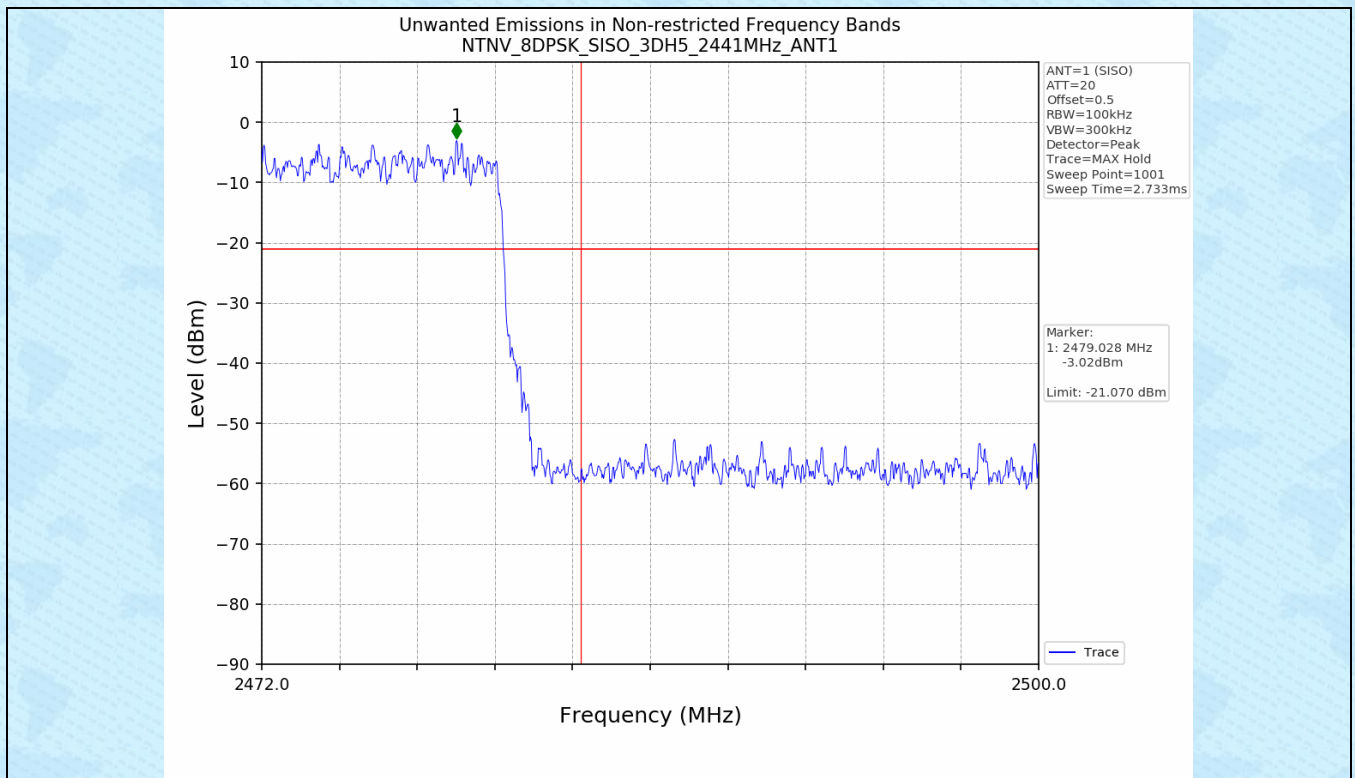












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