

Appendix for 15.247

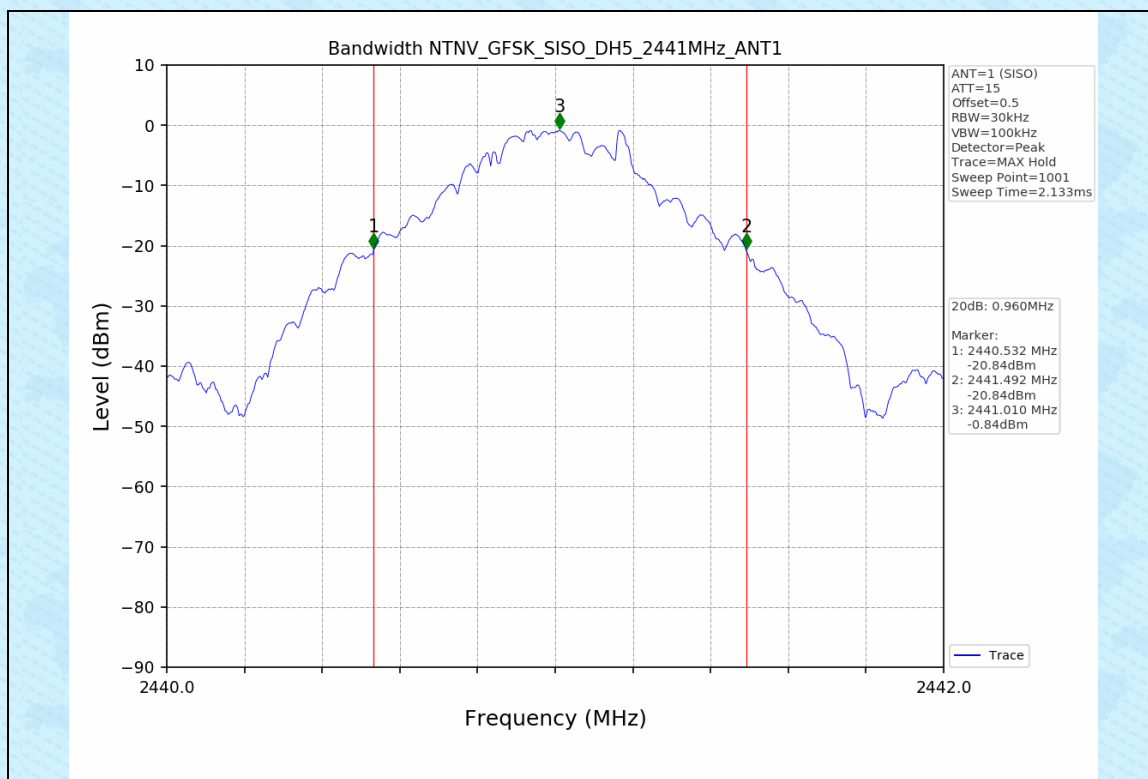
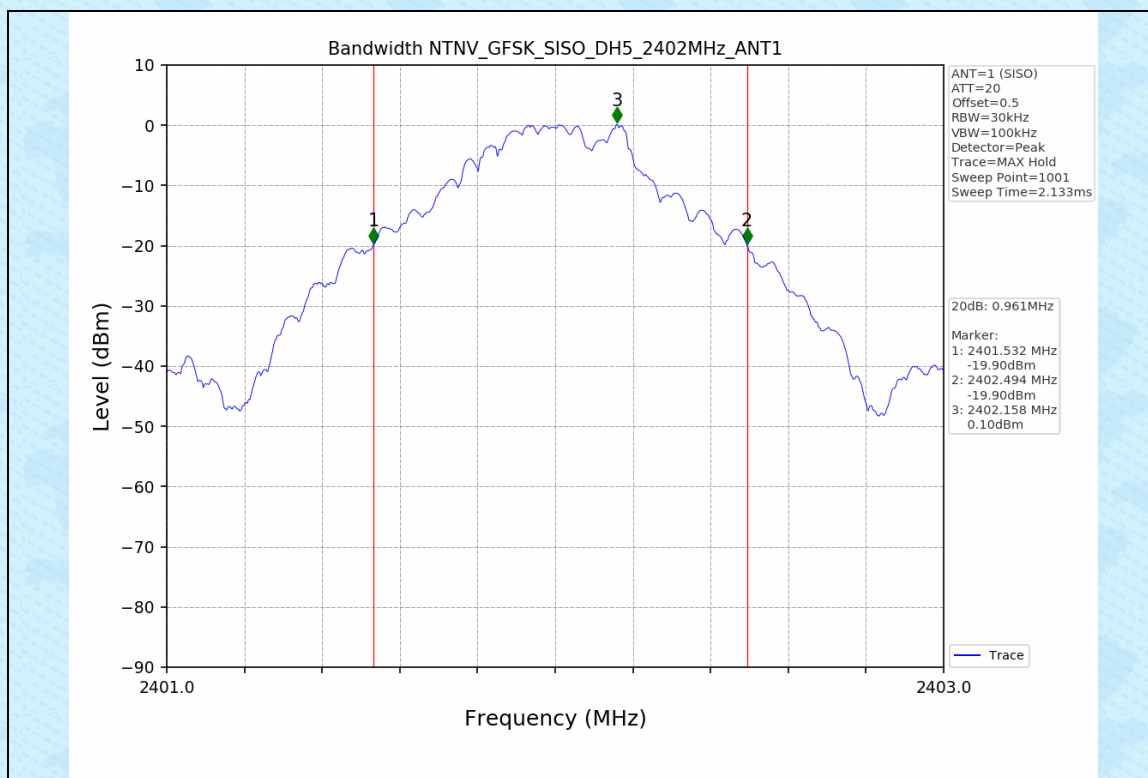
1. Bandwidth

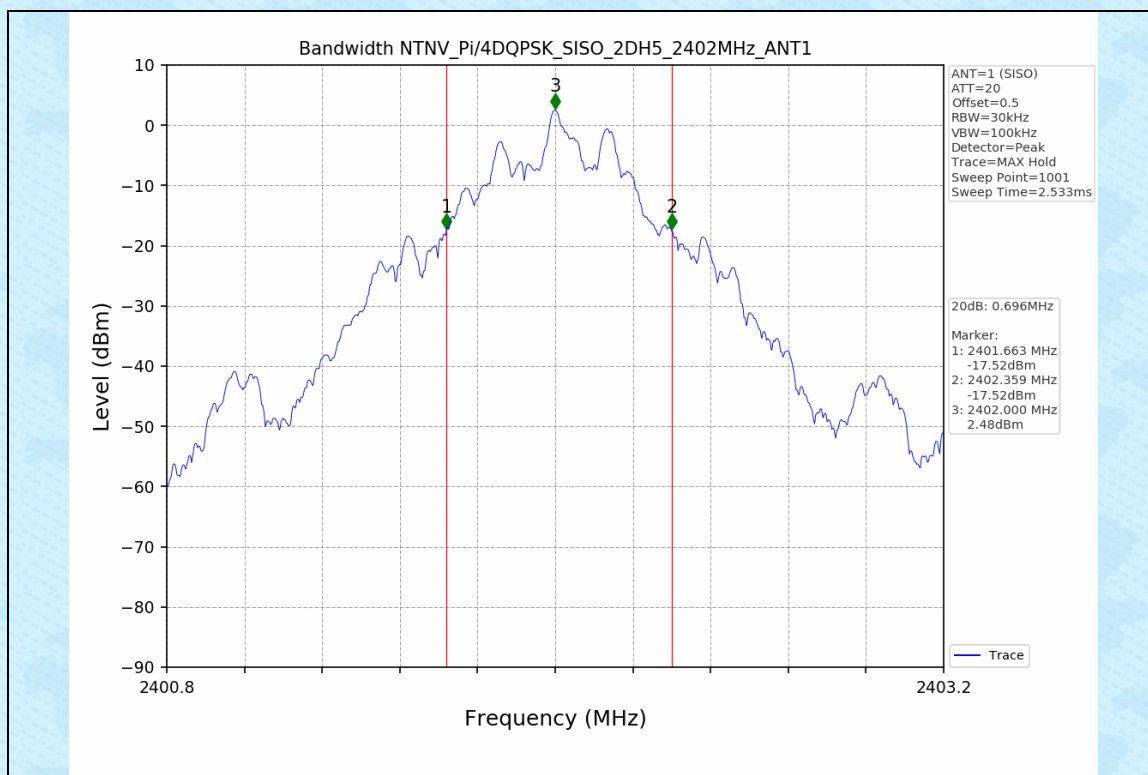
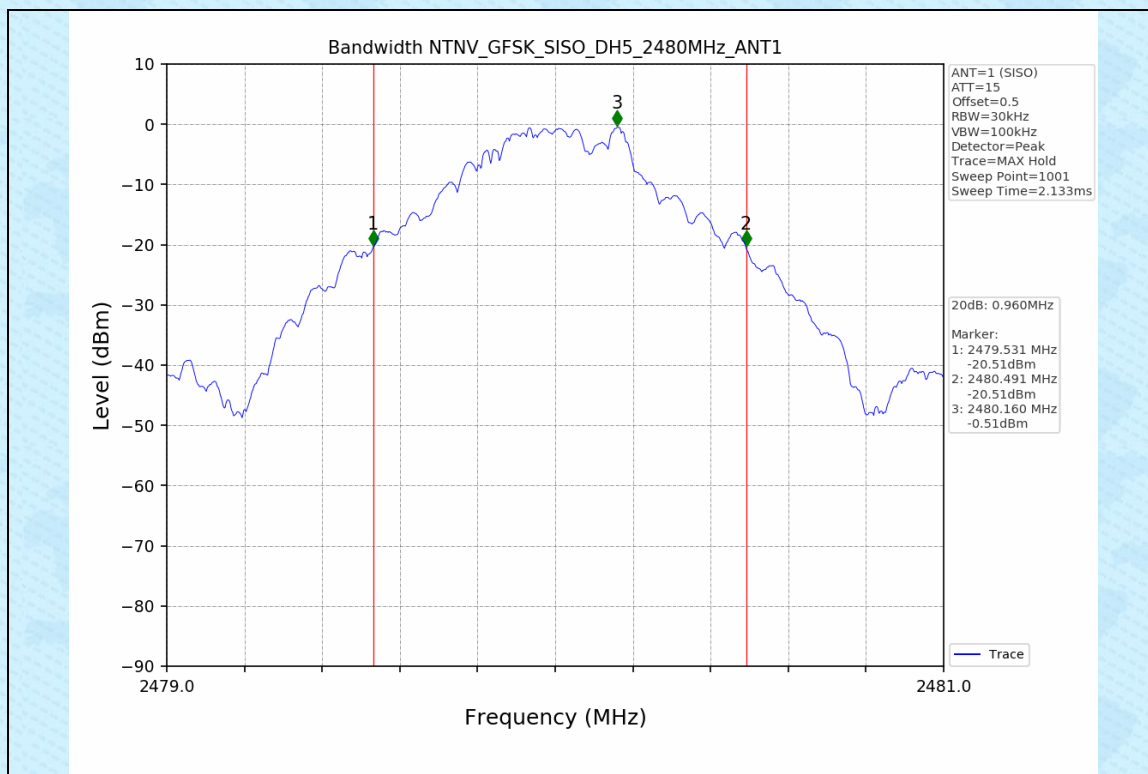
1.1 Test Result

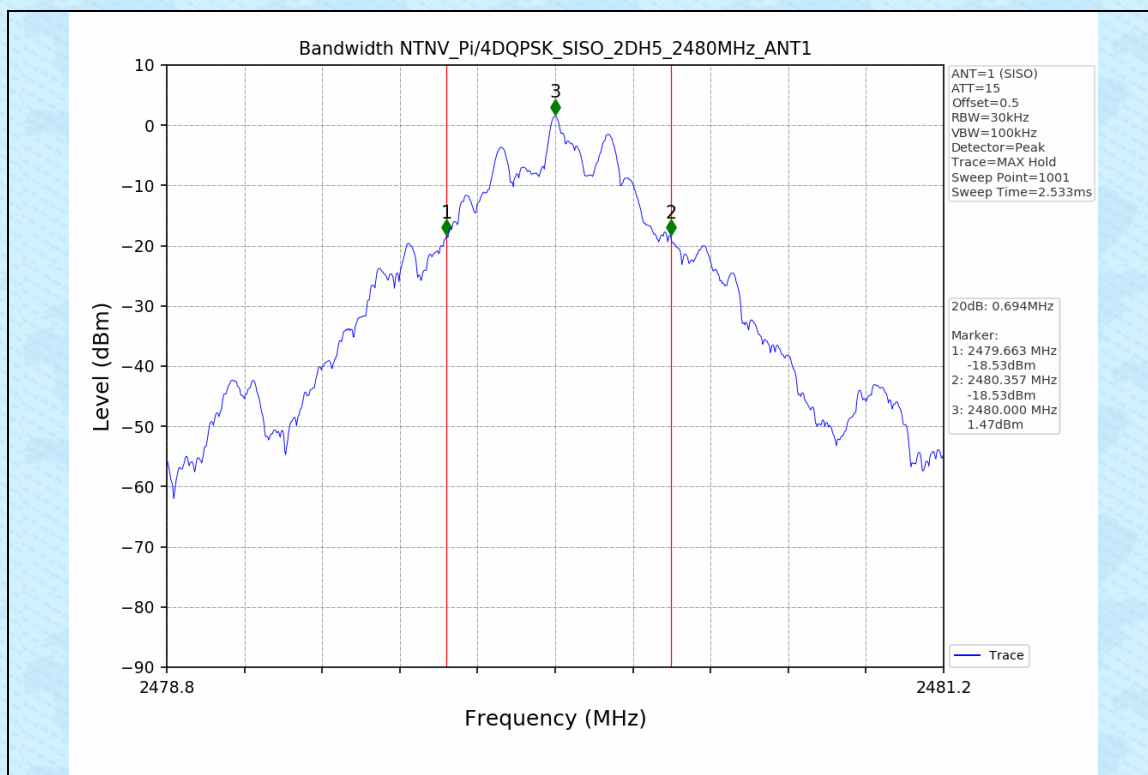
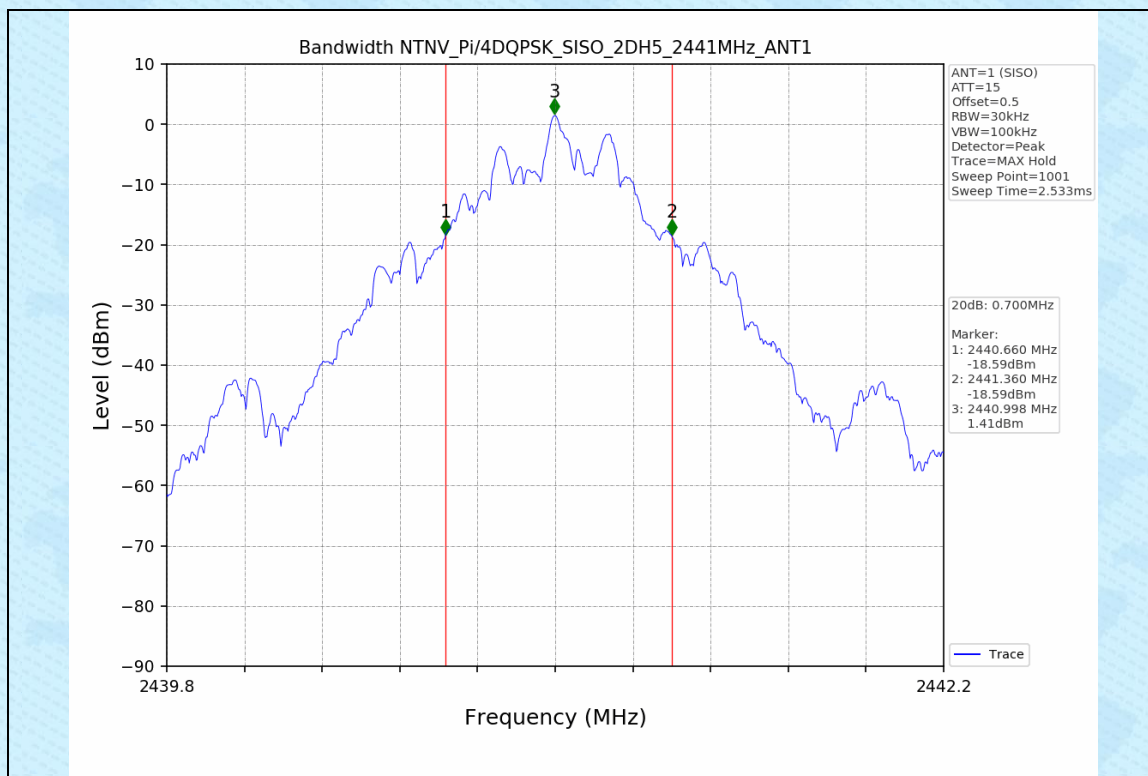
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.961	PASS
	2441	SISO	1	0.960	PASS
	2480	SISO	1	0.960	PASS
$\pi/4$ -DQPSK	2402	SISO	1	0.696	PASS
	2441	SISO	1	0.700	PASS
	2480	SISO	1	0.694	PASS
8-DPSK	2402	SISO	1	0.695	PASS
	2441	SISO	1	0.699	PASS
	2480	SISO	1	0.692	PASS

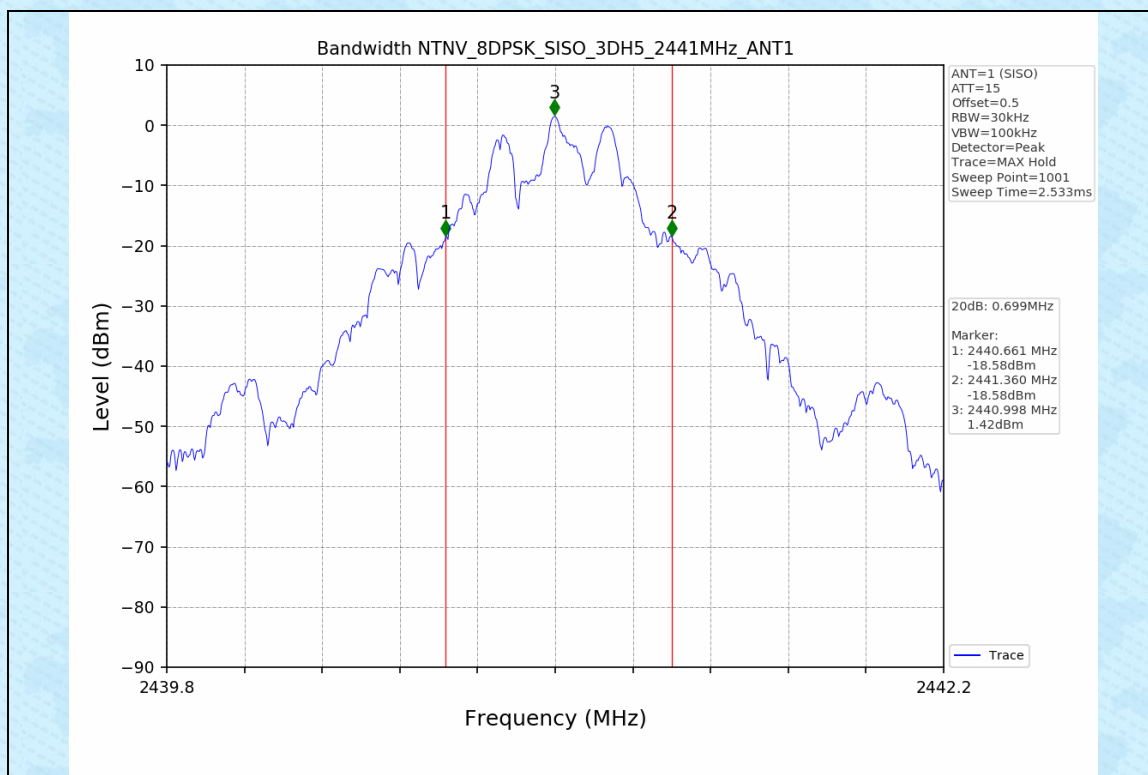
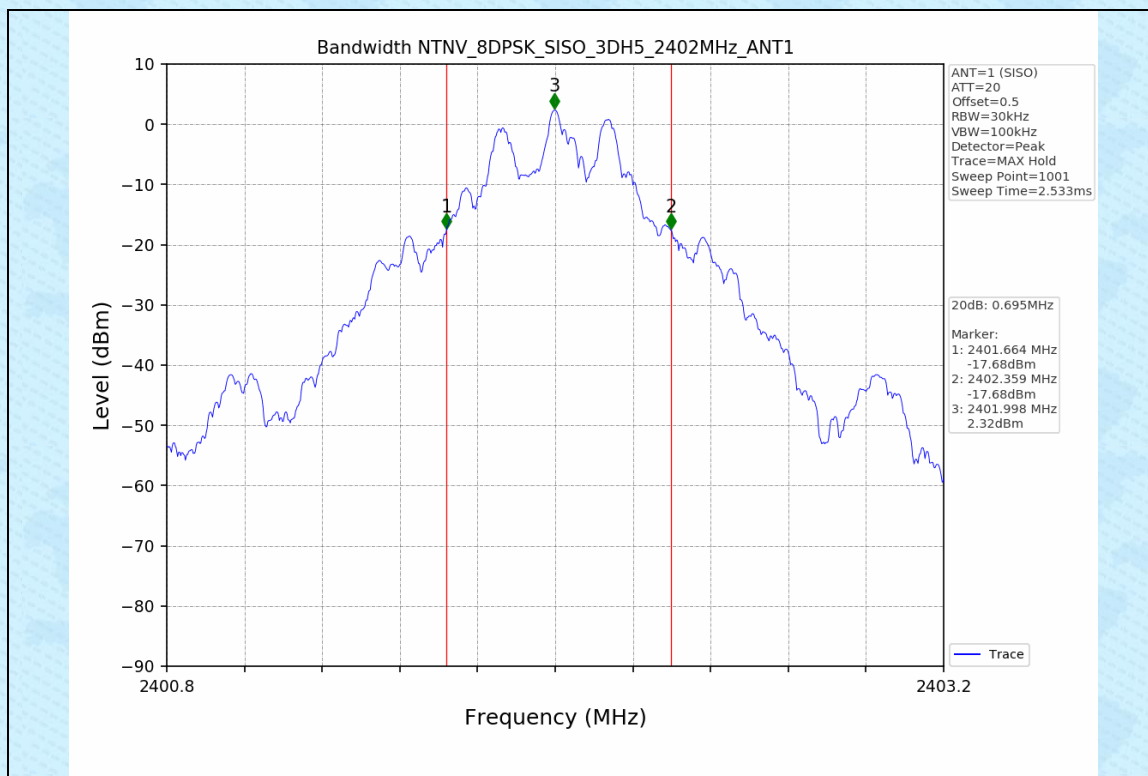
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.864	Only for Report Use
	2441	SISO	1	0.872	Only for Report Use
	2480	SISO	1	0.862	Only for Report Use
$\pi/4$ -DQPSK	2402	SISO	1	0.838	Only for Report Use
	2441	SISO	1	0.827	Only for Report Use
	2480	SISO	1	0.809	Only for Report Use
8-DPSK	2402	SISO	1	0.772	Only for Report Use
	2441	SISO	1	0.782	Only for Report Use
	2480	SISO	1	0.778	Only for Report Use

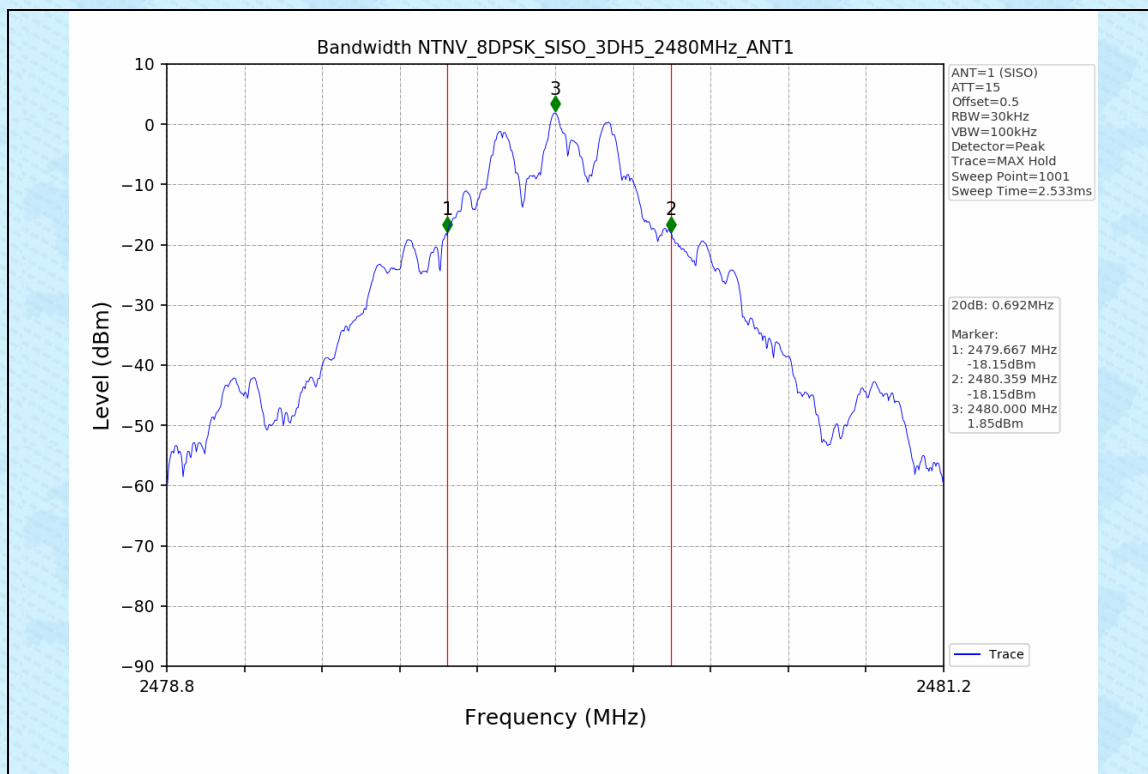
1.2 Test Graph - 20dB Bandwidth



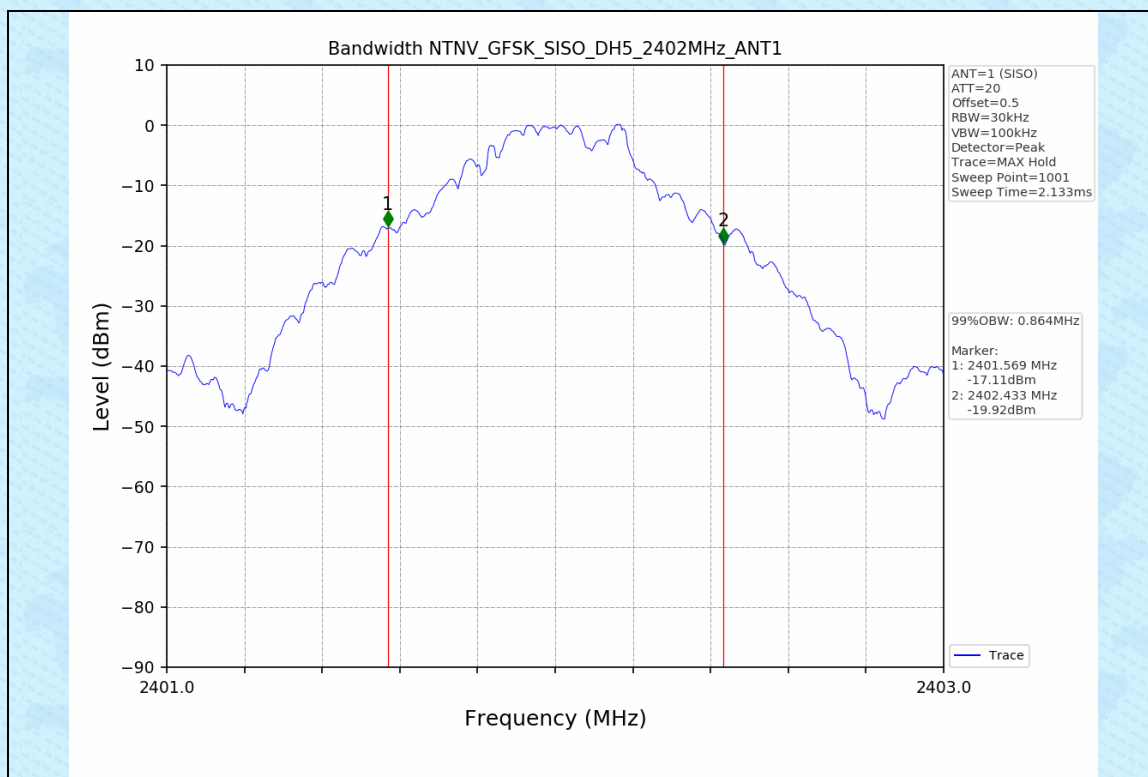


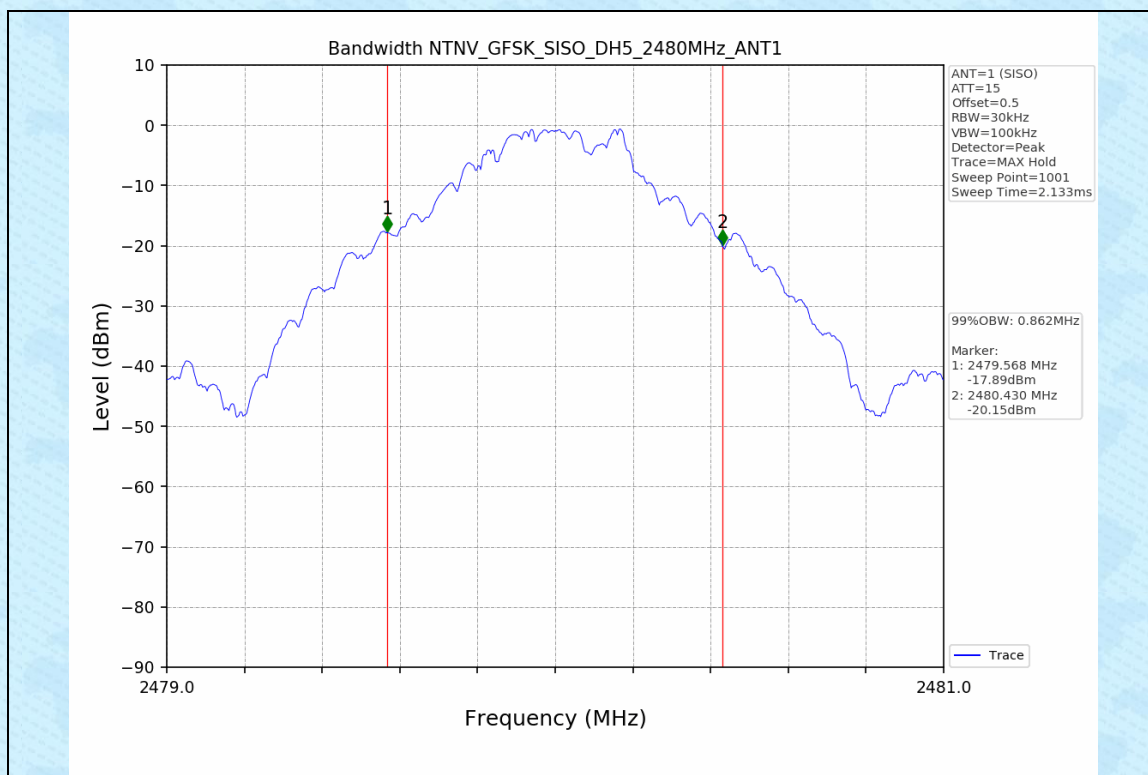
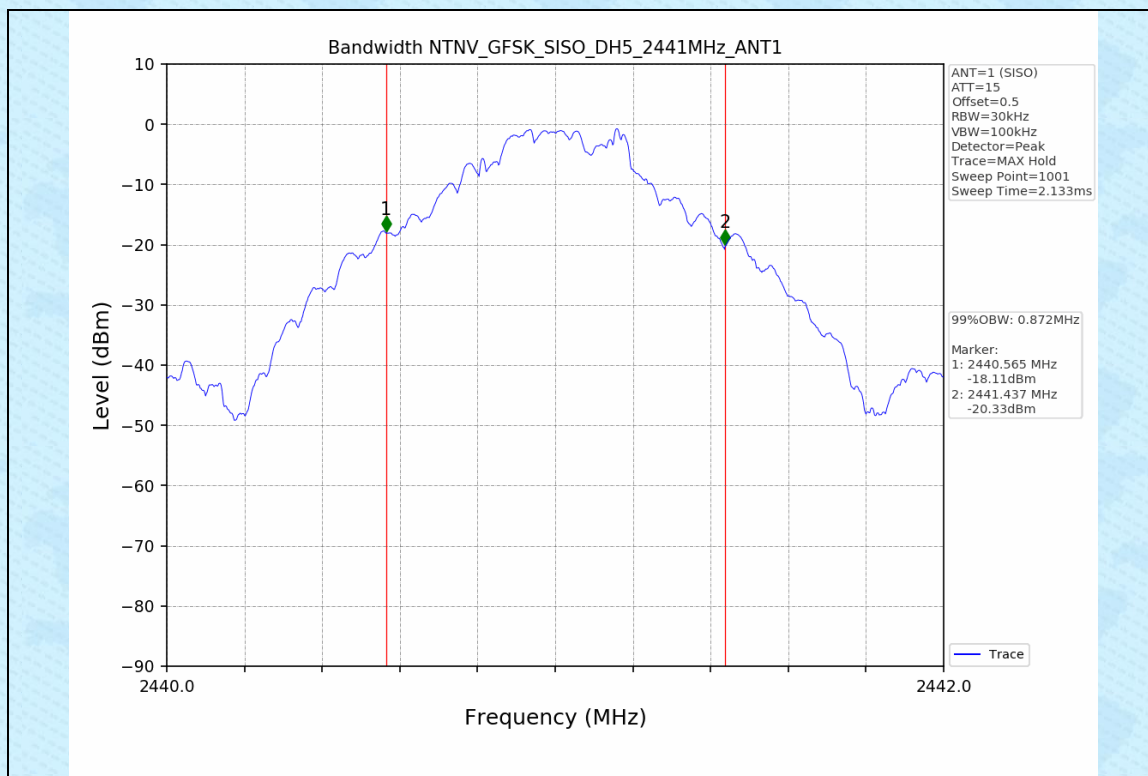


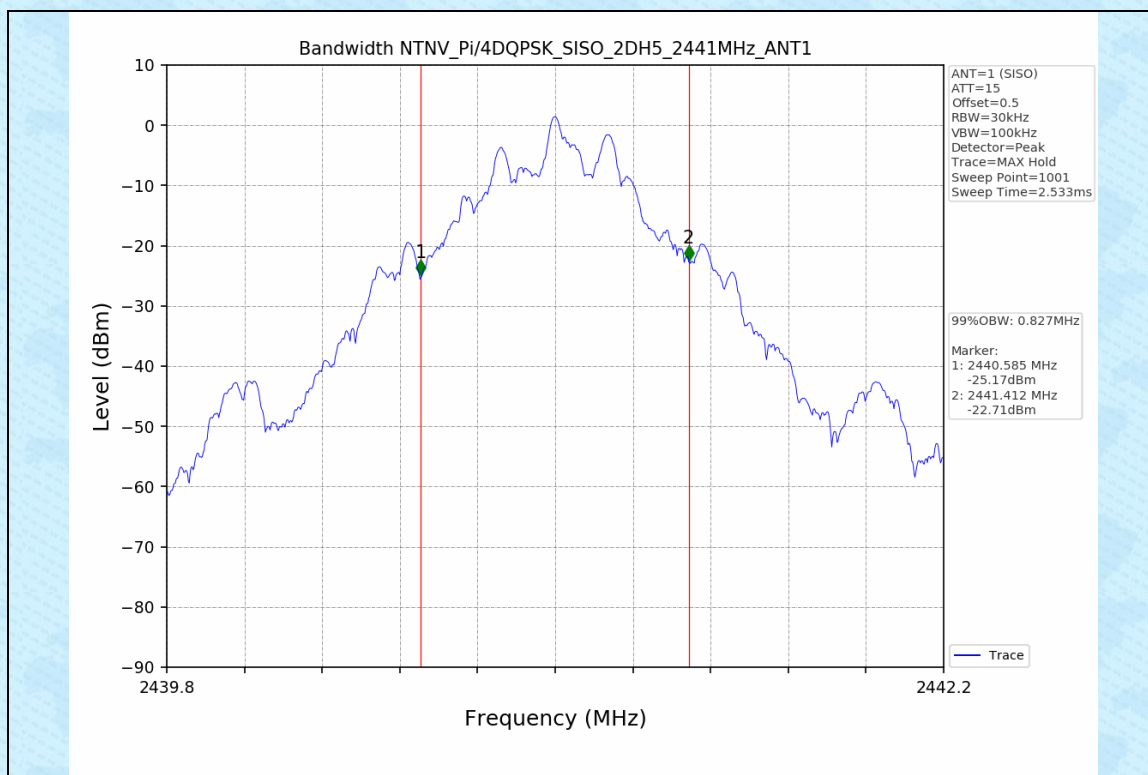
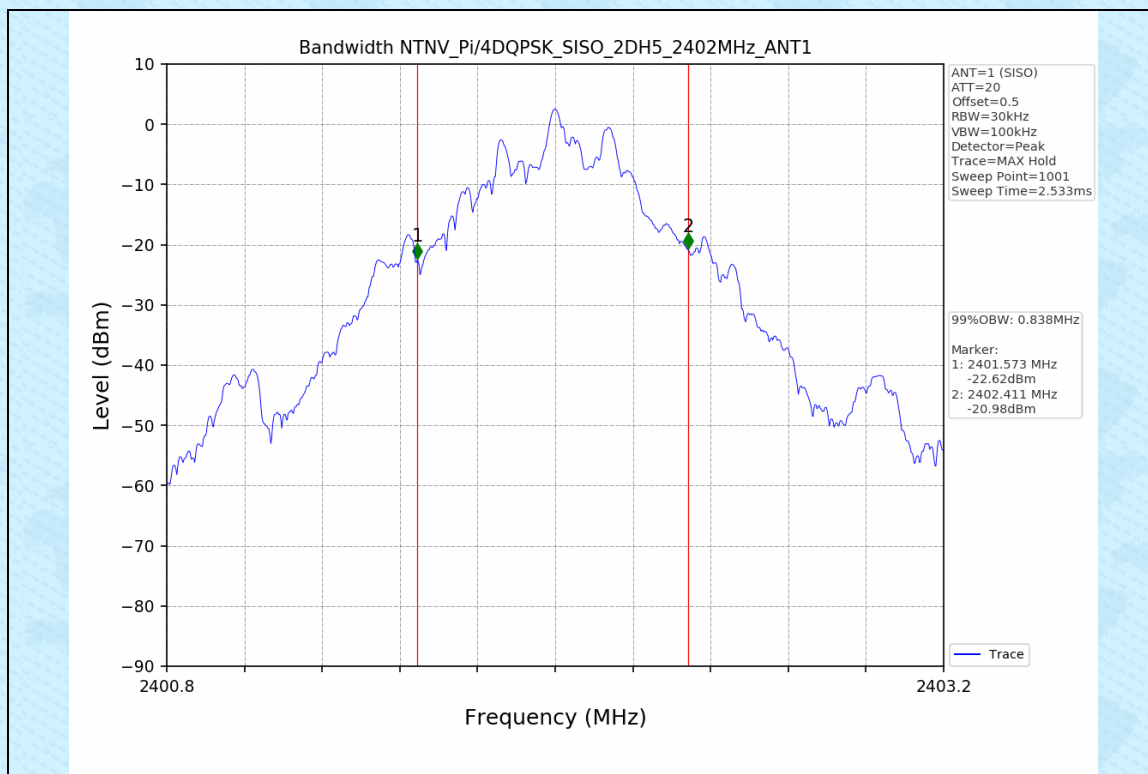


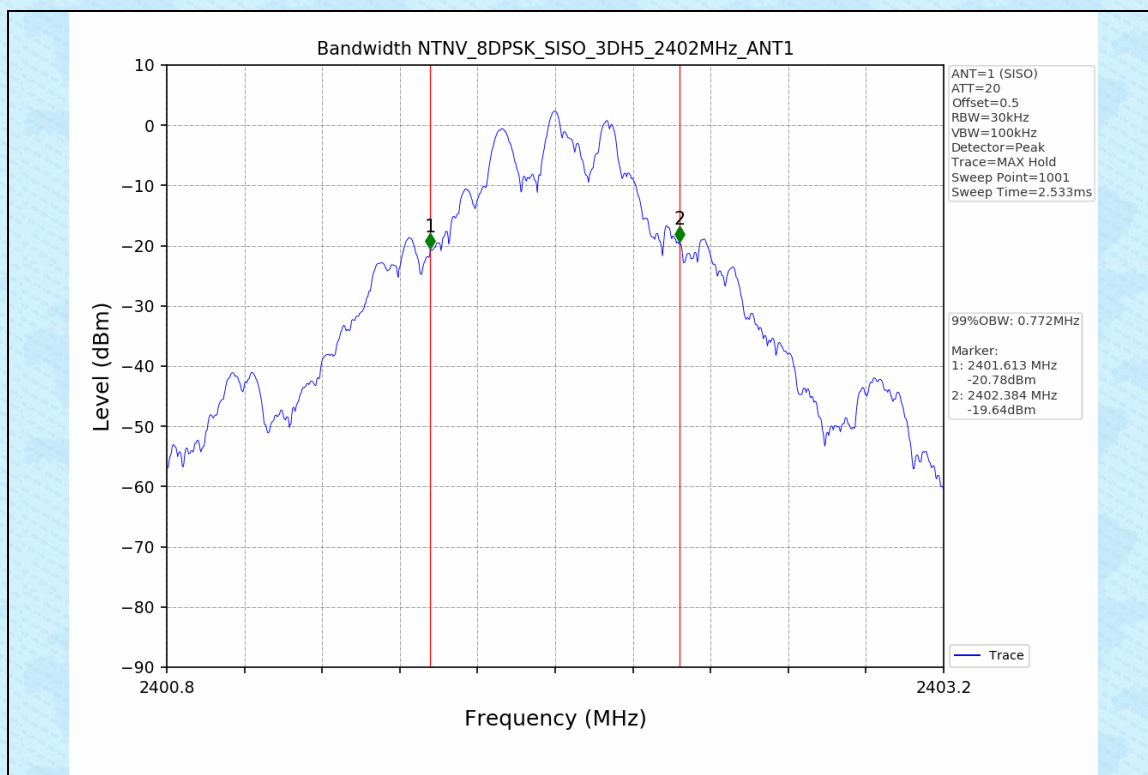
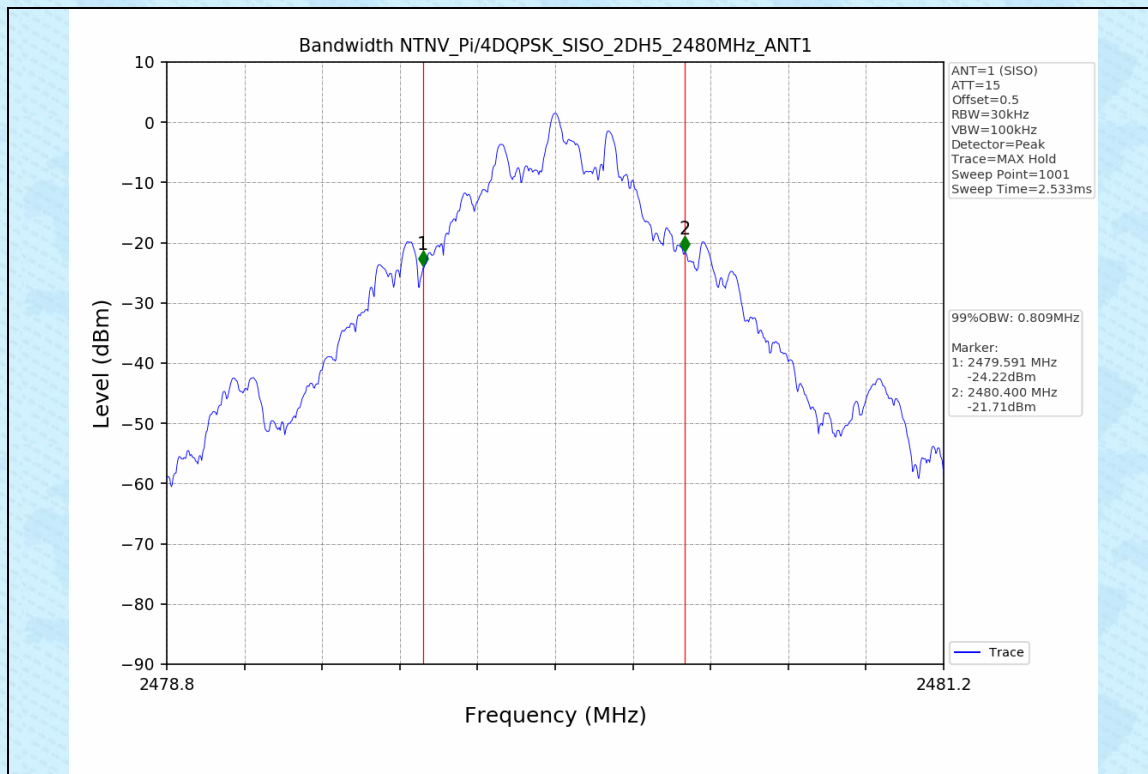


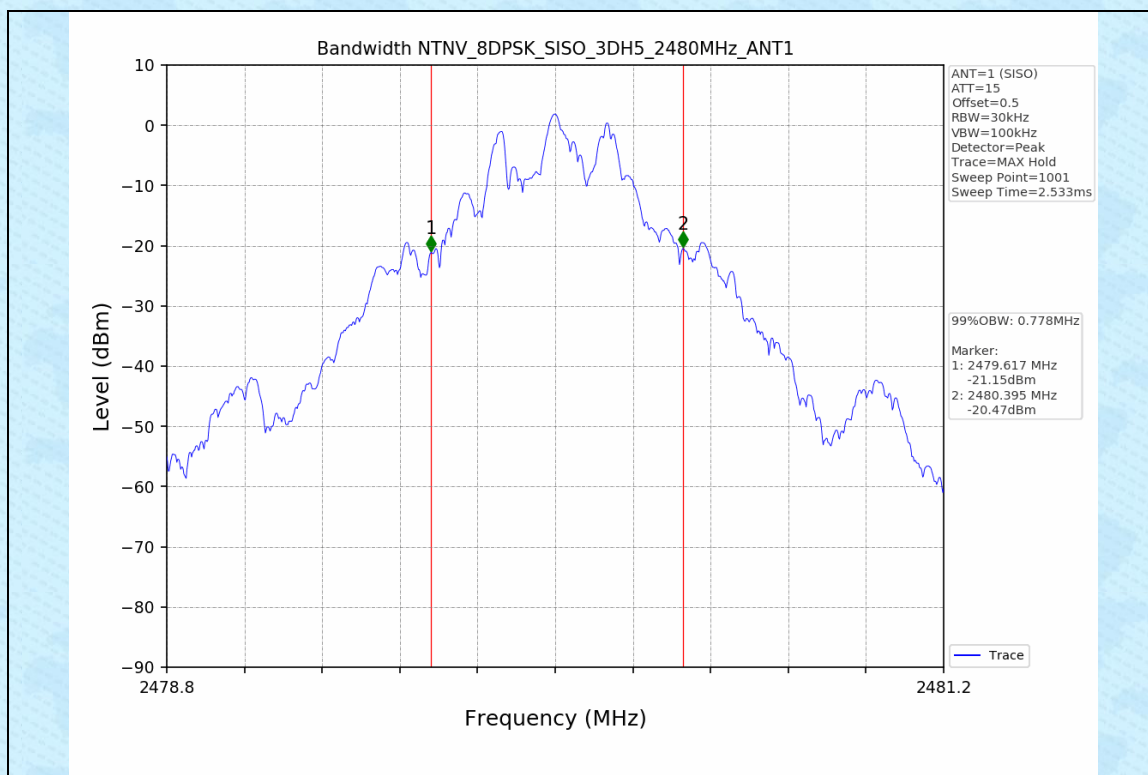
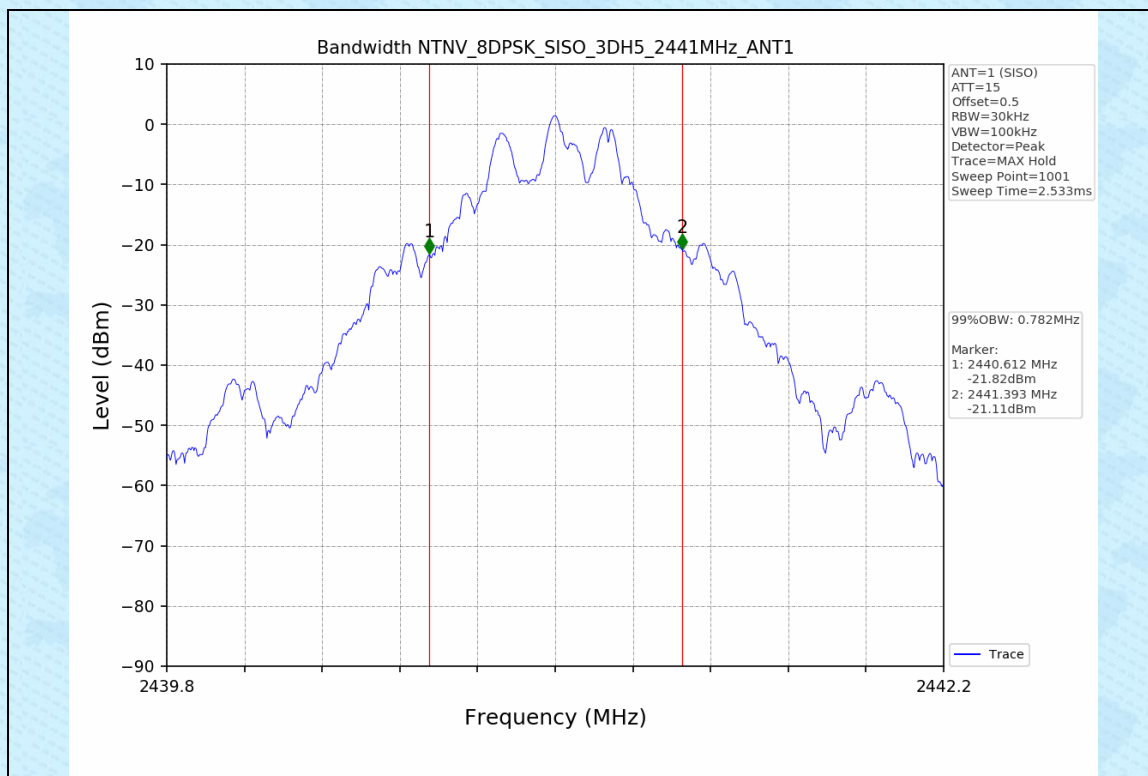
1.3 Test Graph - 99% Occupied Bandwidth









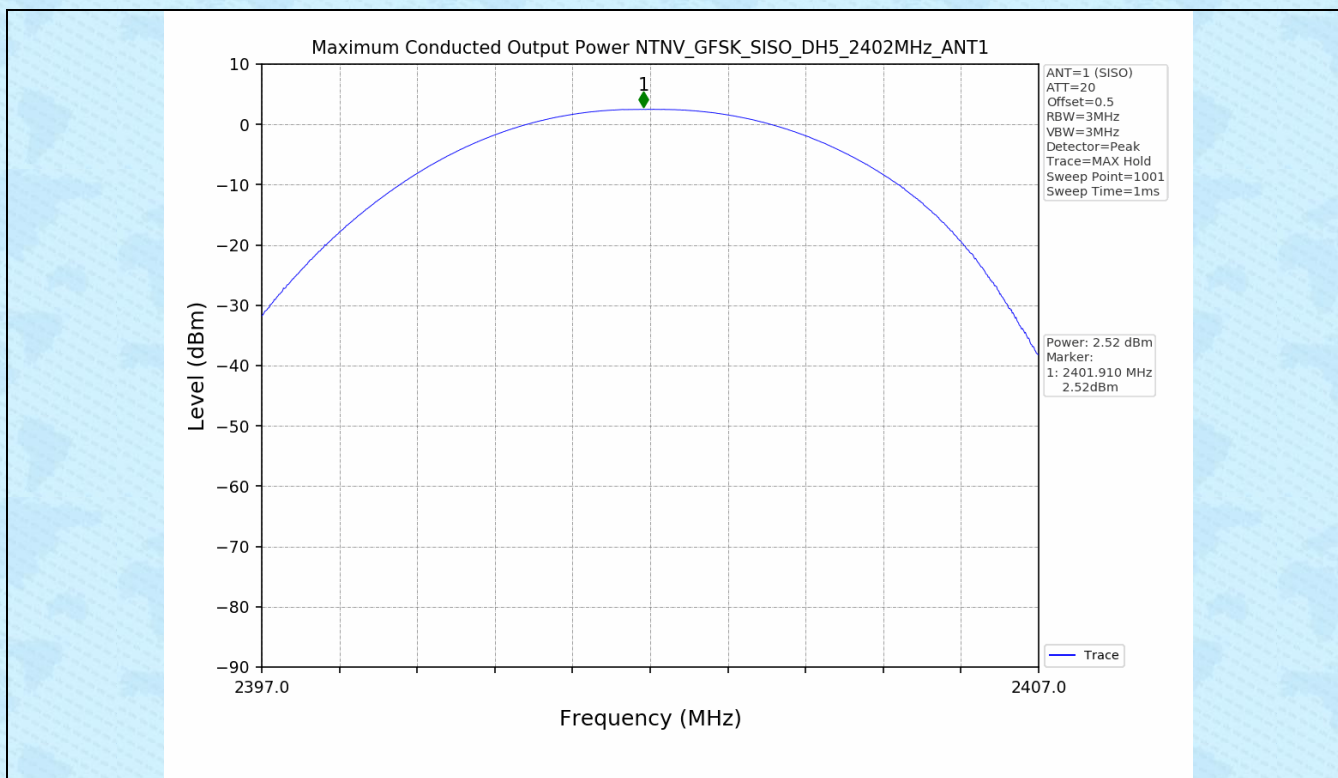


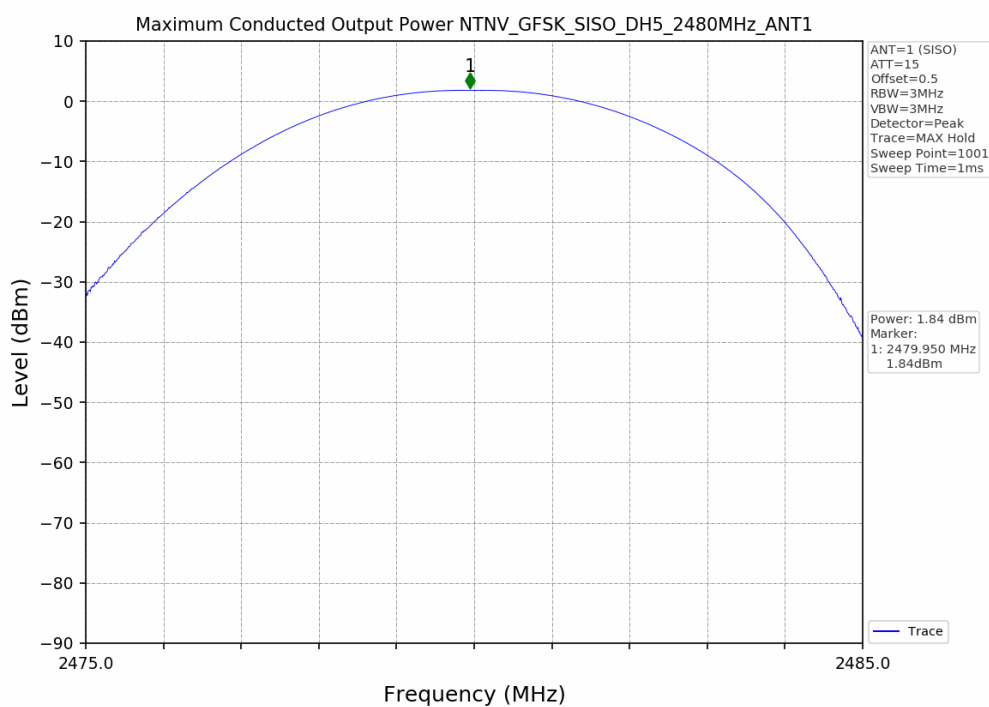
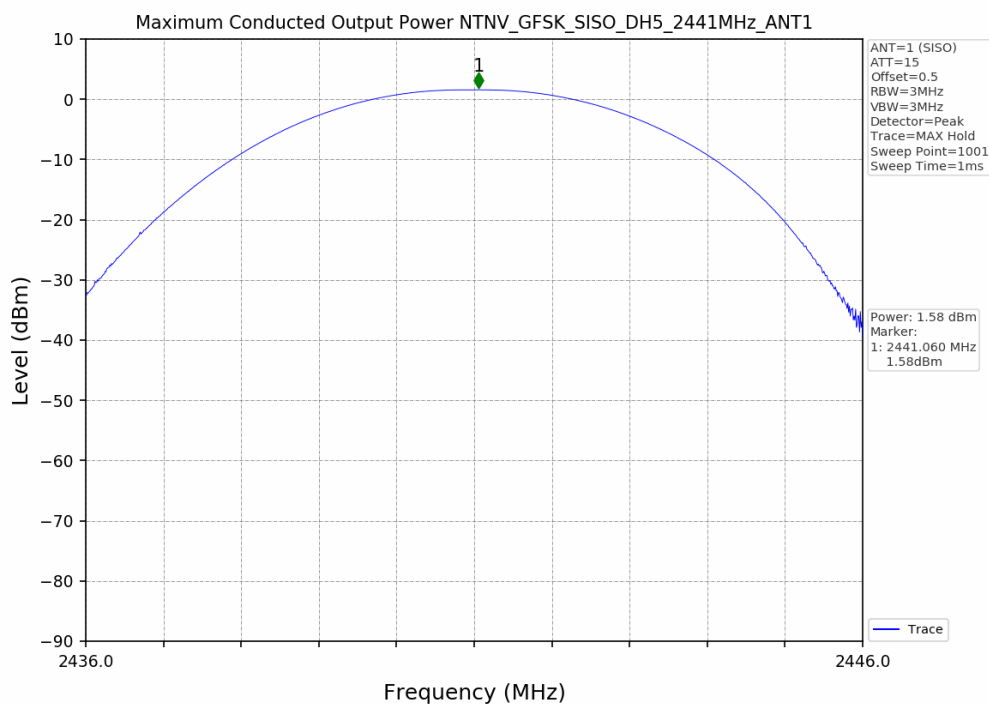
2. Maximum Conducted Output Power

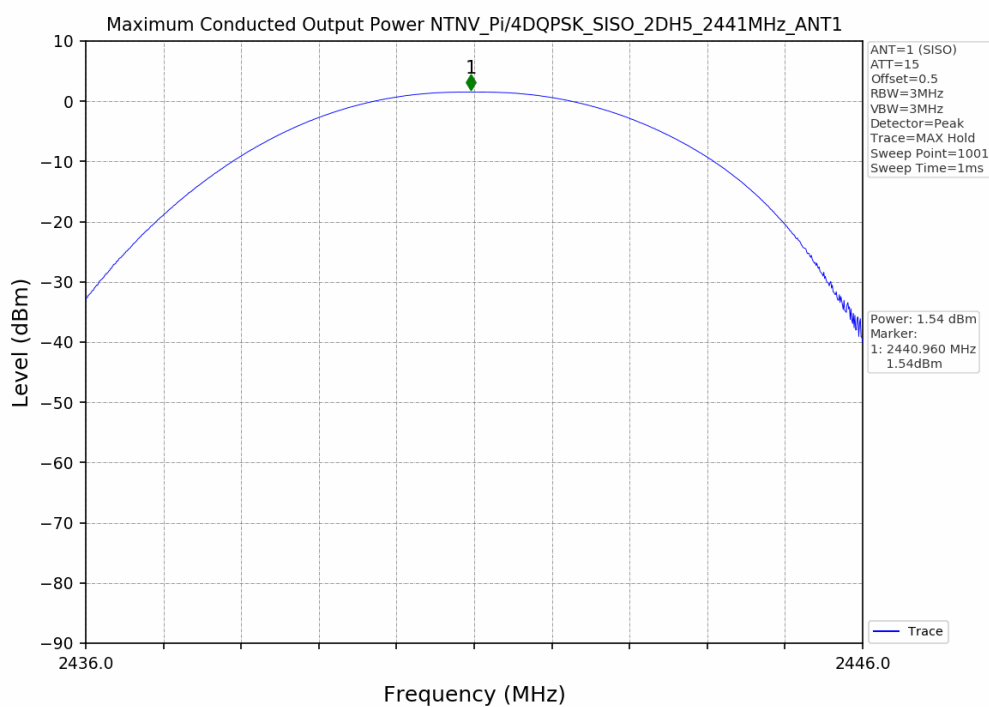
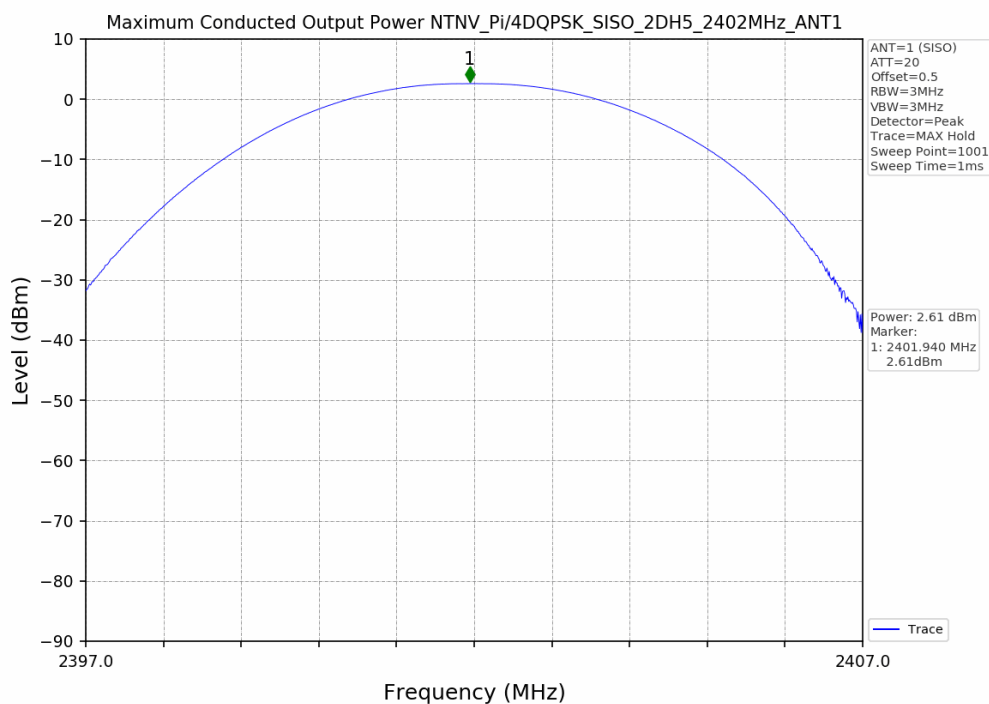
2.1 Test Result

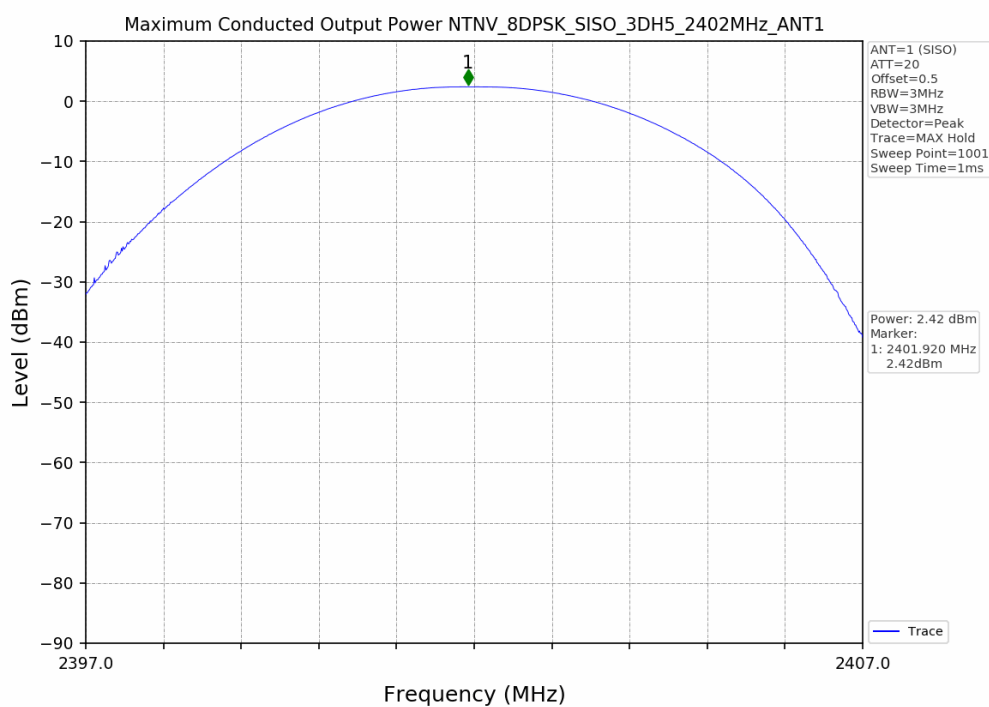
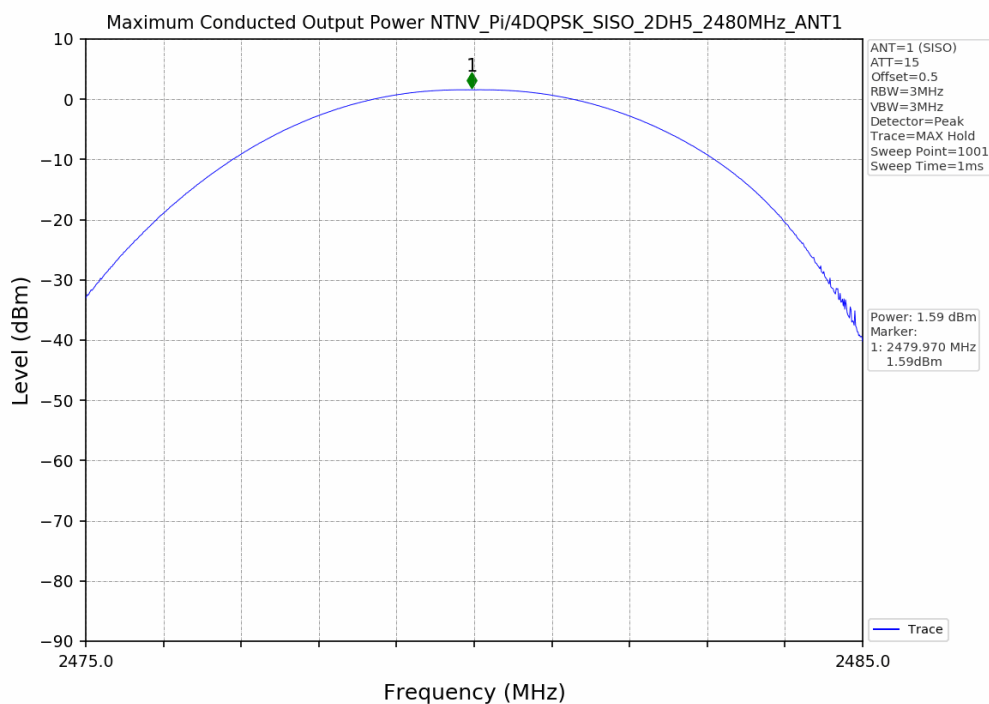
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	2.52	30	PASS
	2441	SISO	1.58	30	PASS
	2480	SISO	1.84	30	PASS
$\pi/4$ -DQPSK	2402	SISO	2.61	30	PASS
	2441	SISO	1.54	30	PASS
	2480	SISO	1.59	30	PASS
8-DPSK	2402	SISO	2.42	30	PASS
	2441	SISO	1.54	30	PASS
	2480	SISO	1.99	30	PASS

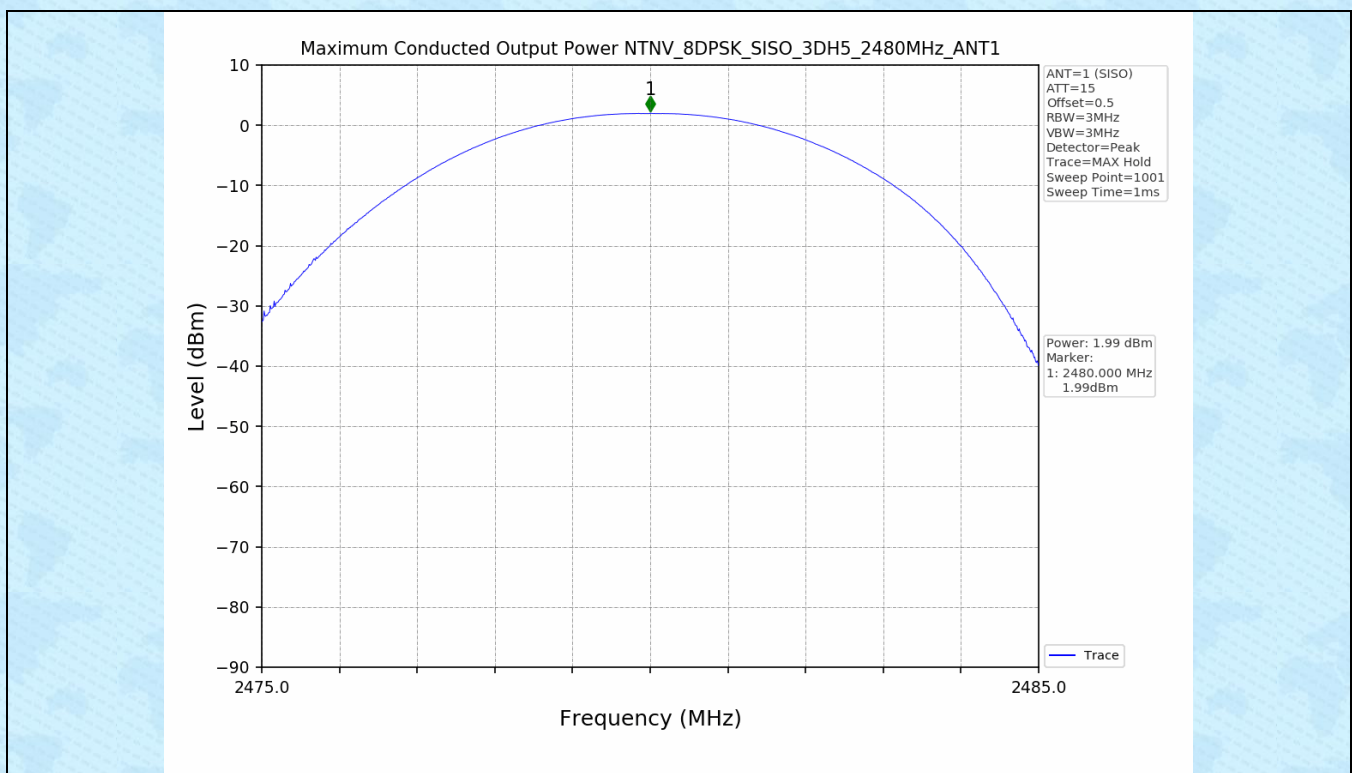
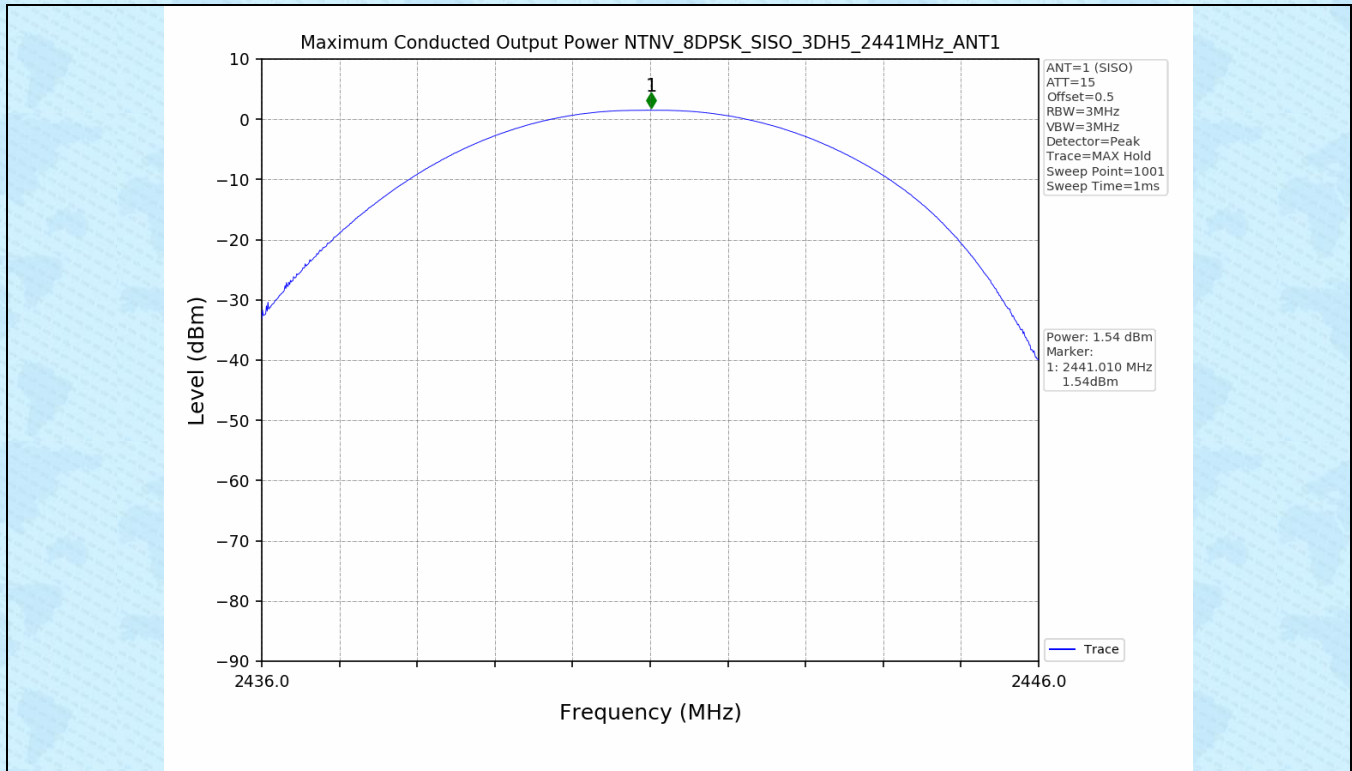
2.2 Test Graph









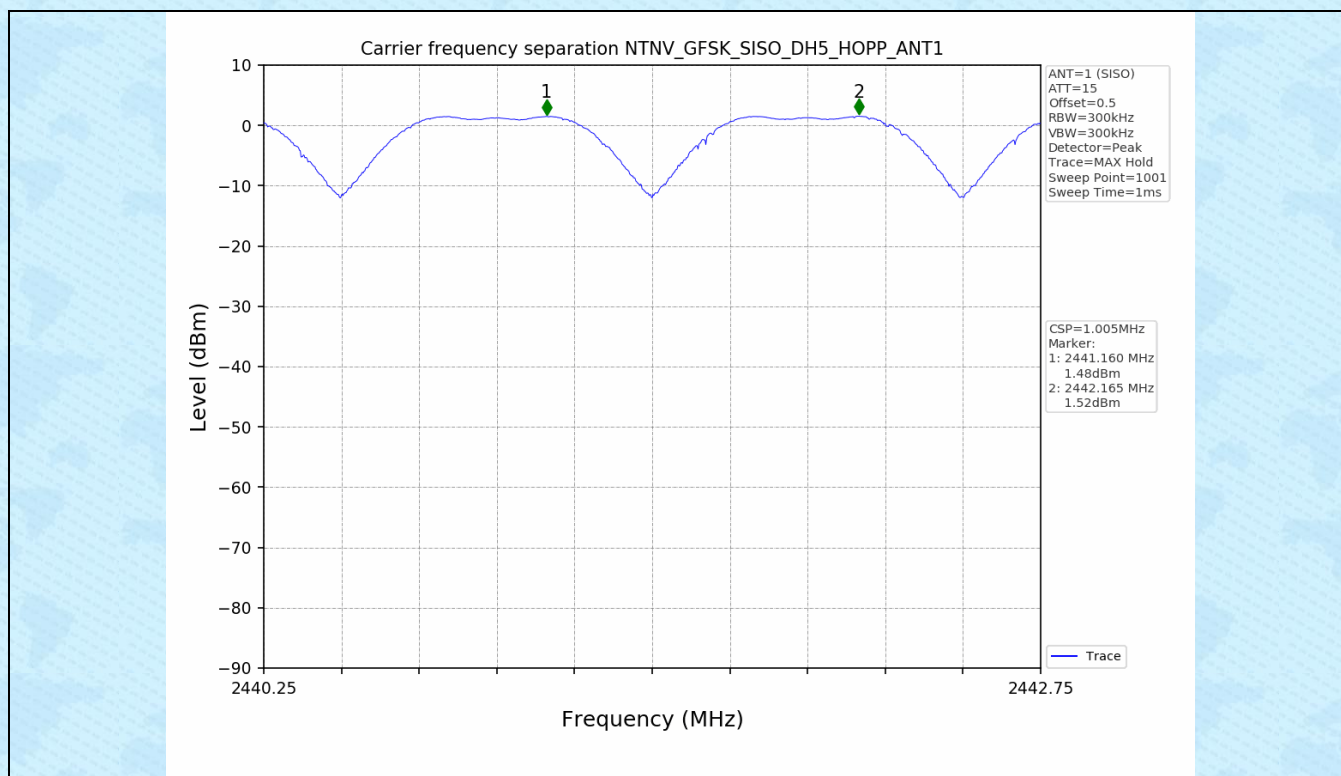


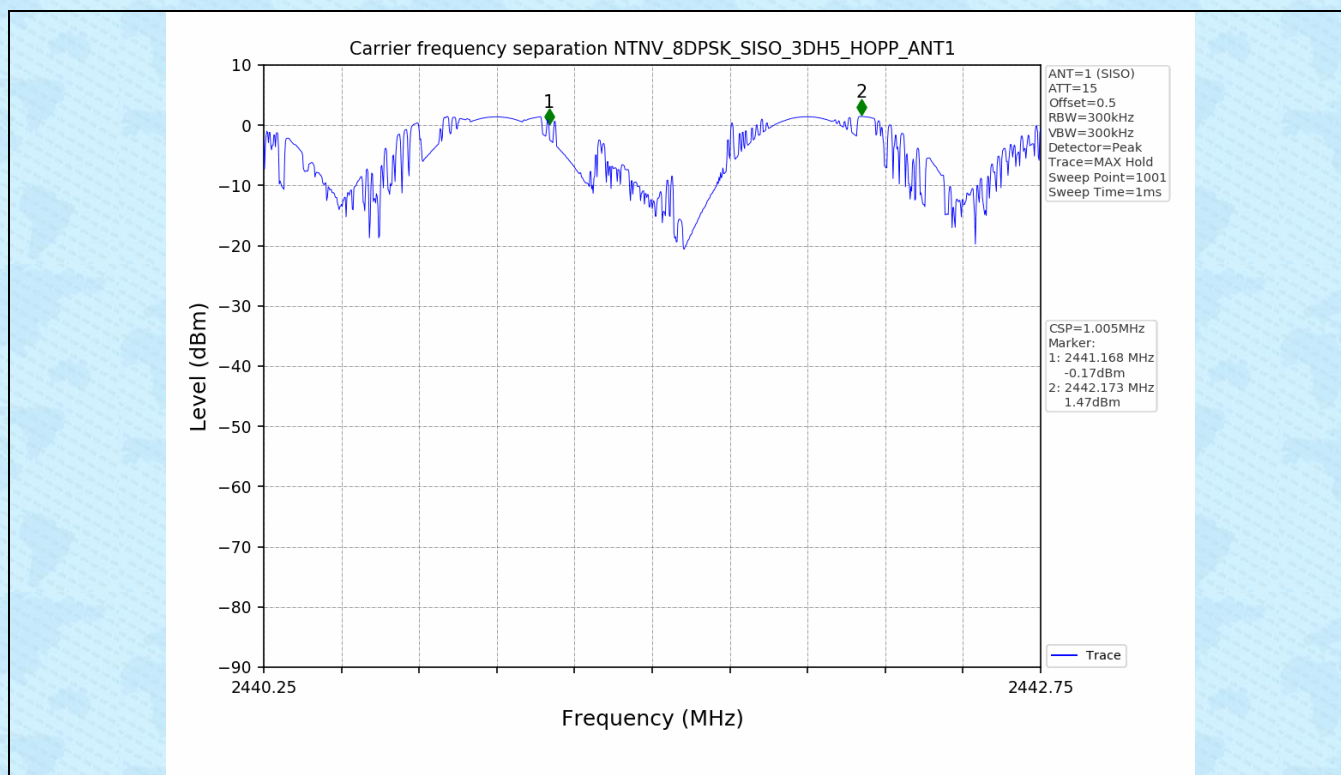
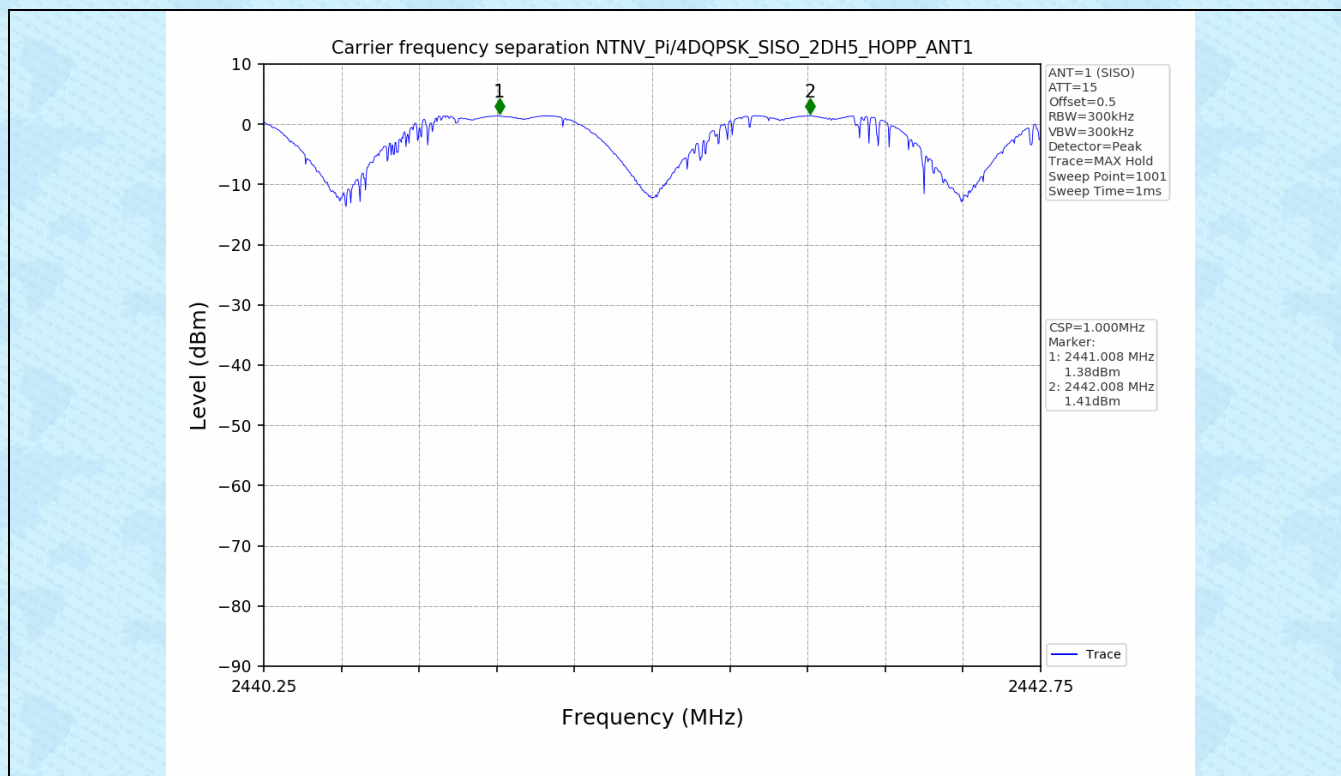
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.005	0.961	≥ 0.961	PASS
$\pi/4$ -DQPSK	SISO	1	1.000	0.700	≥ 0.700	PASS
8-DPSK	SISO	1	1.005	0.699	≥ 0.699	PASS

3.2 Test Graph



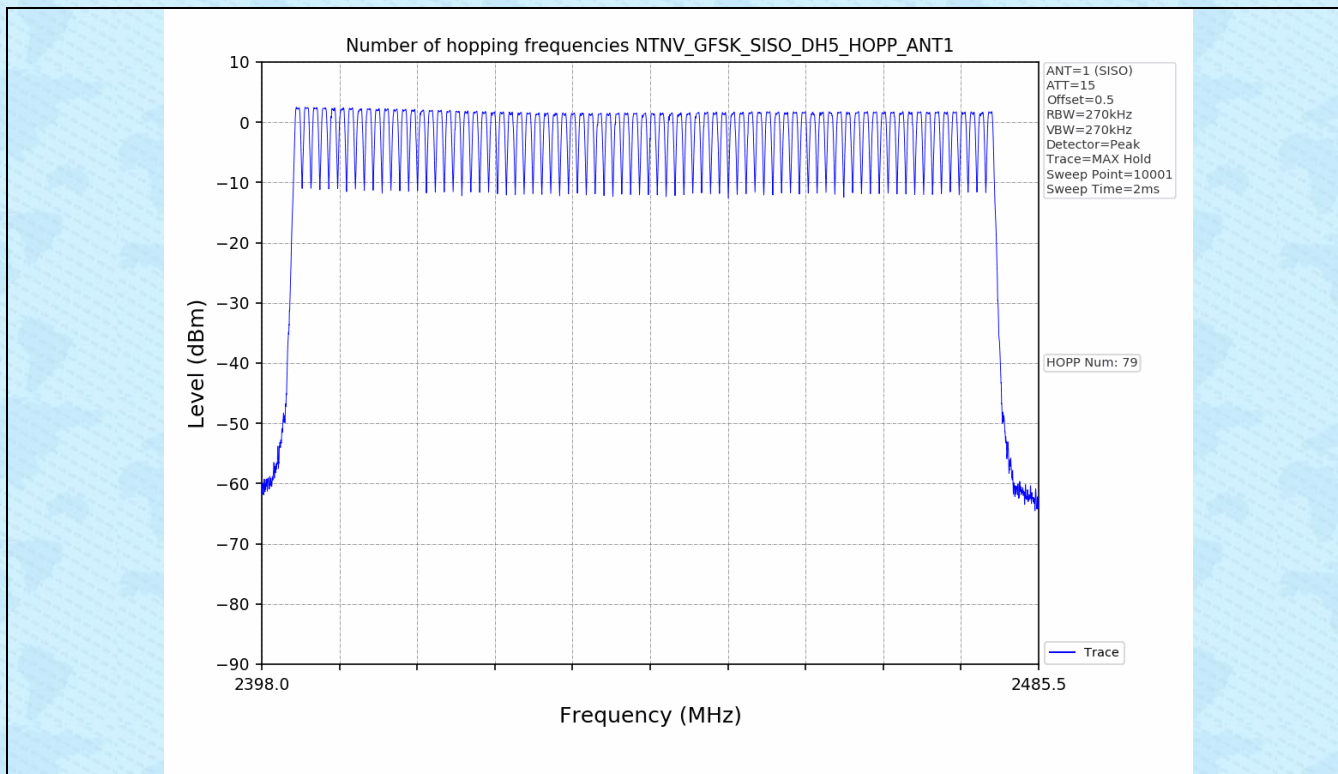


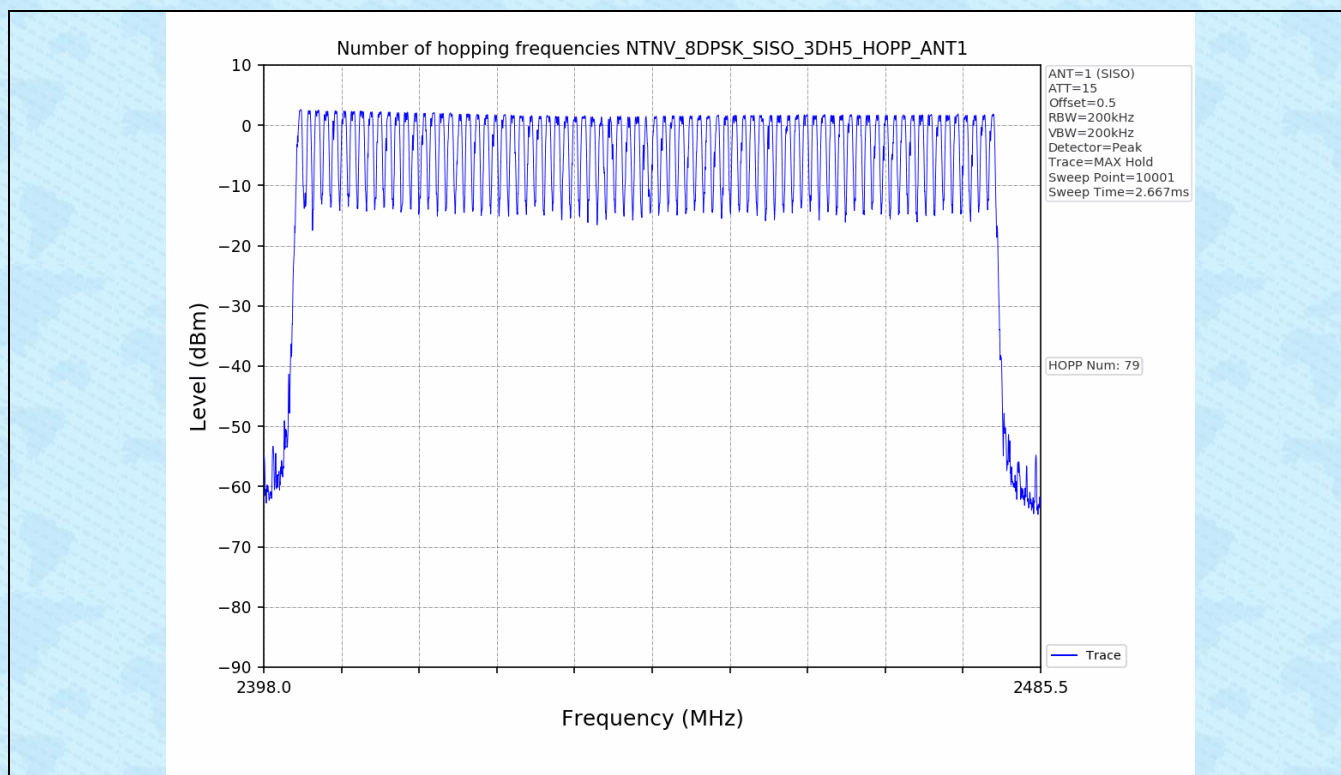
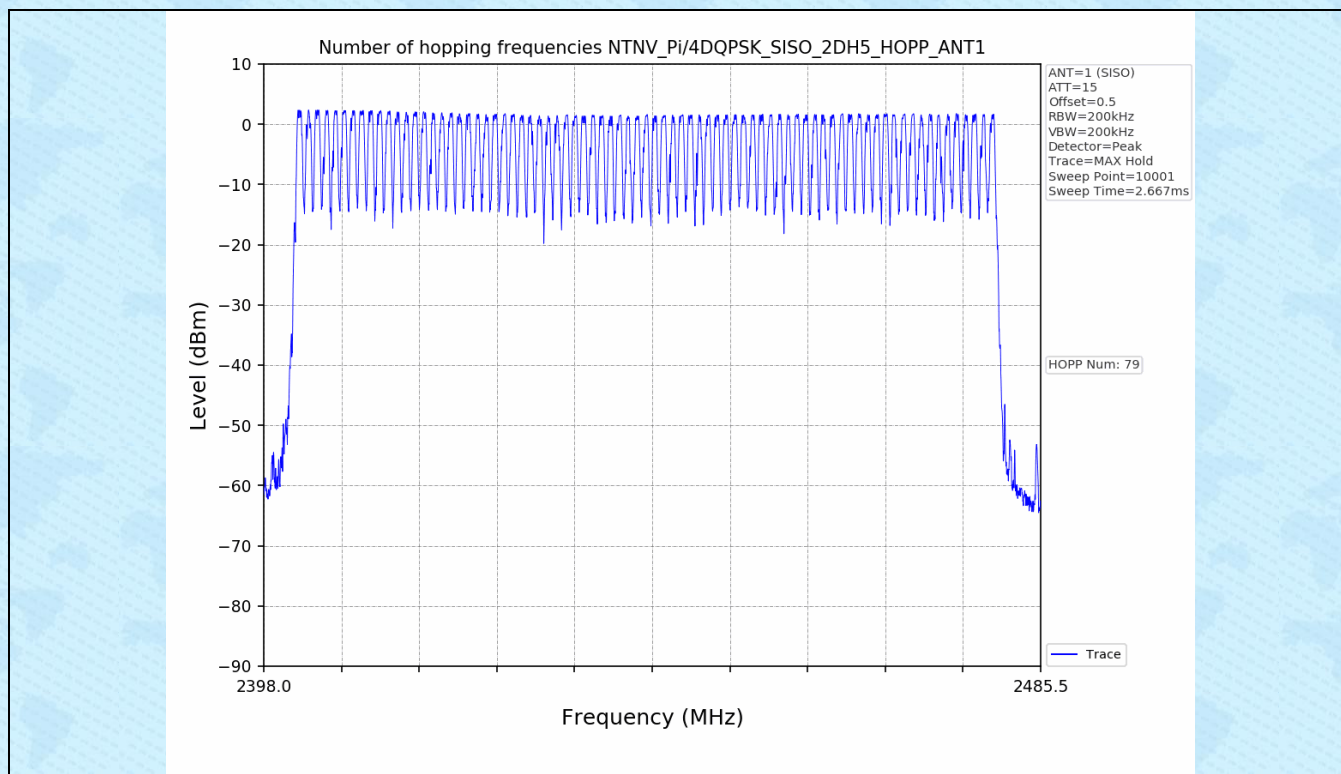
4. Number of hopping frequencies

4.1 Test Result

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

4.2 Test Graph



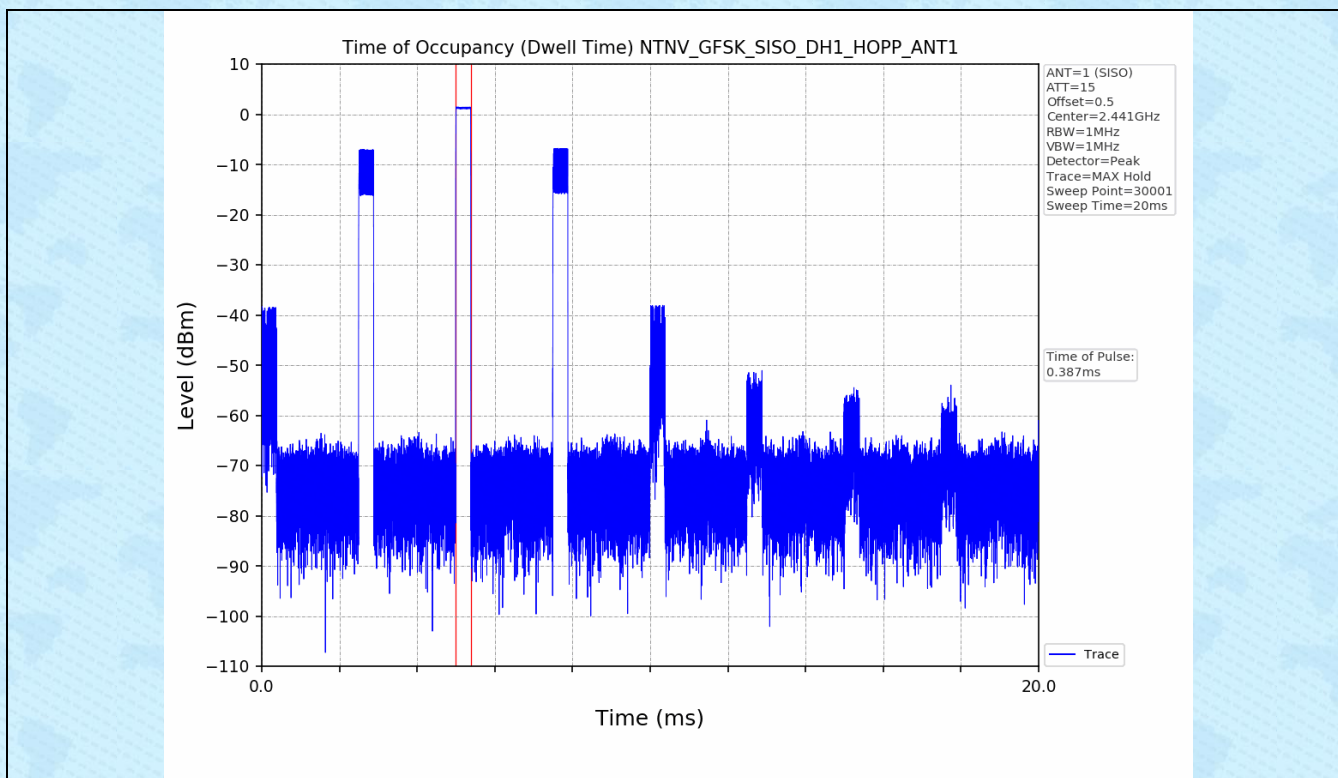


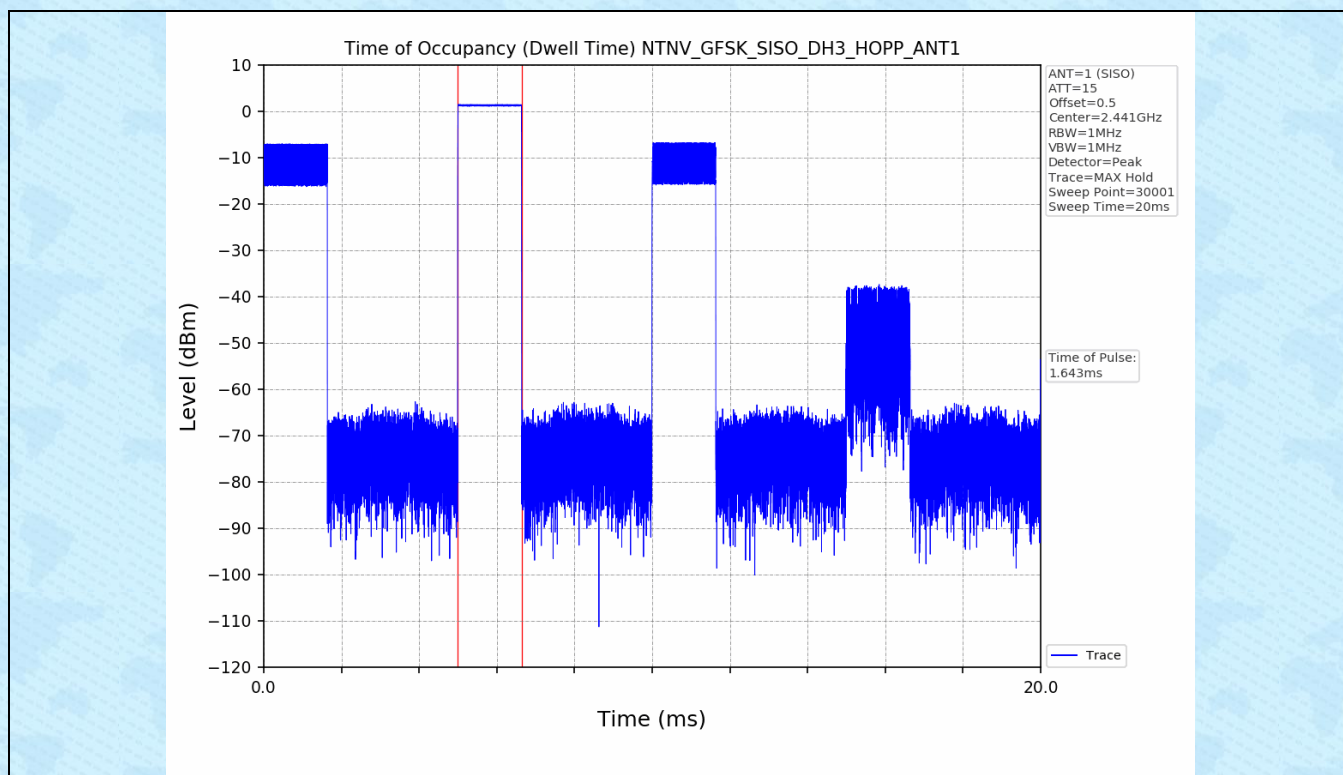
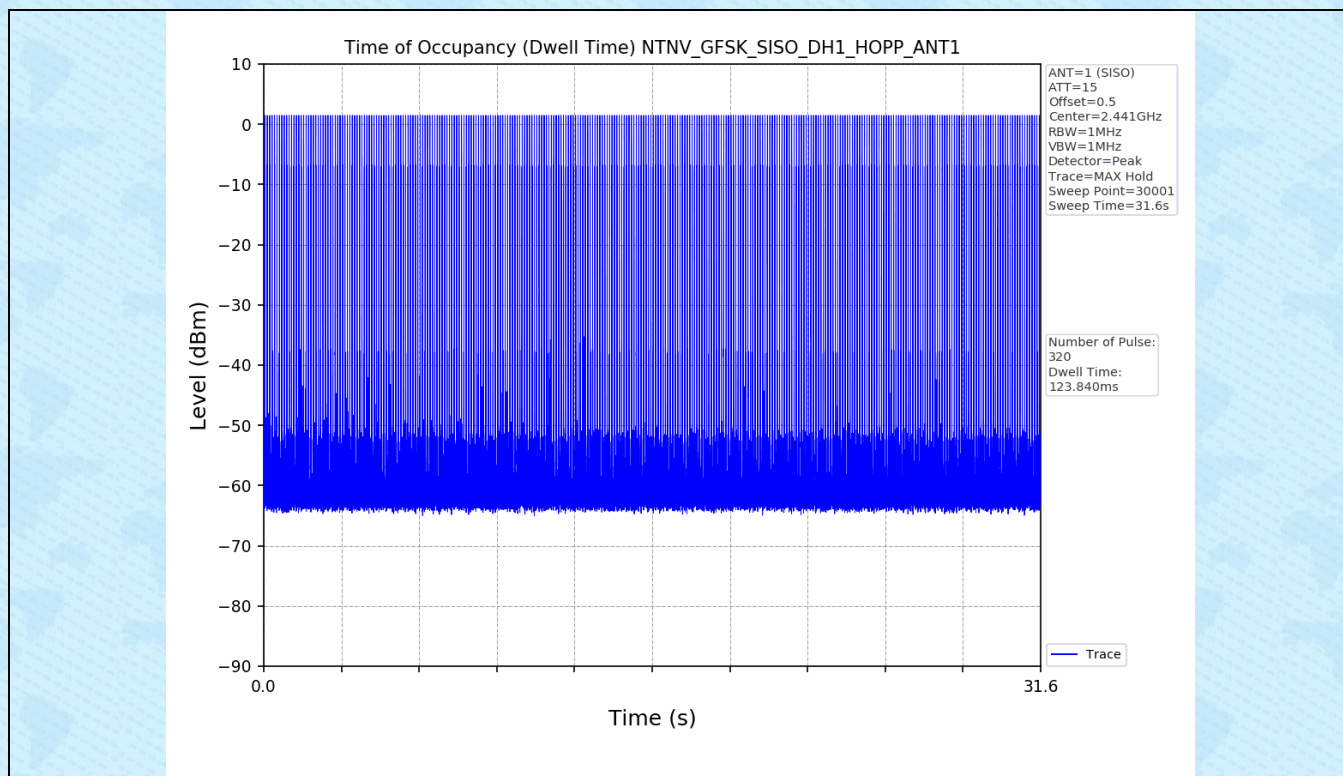
5. Time of Occupancy (Dwell Time)

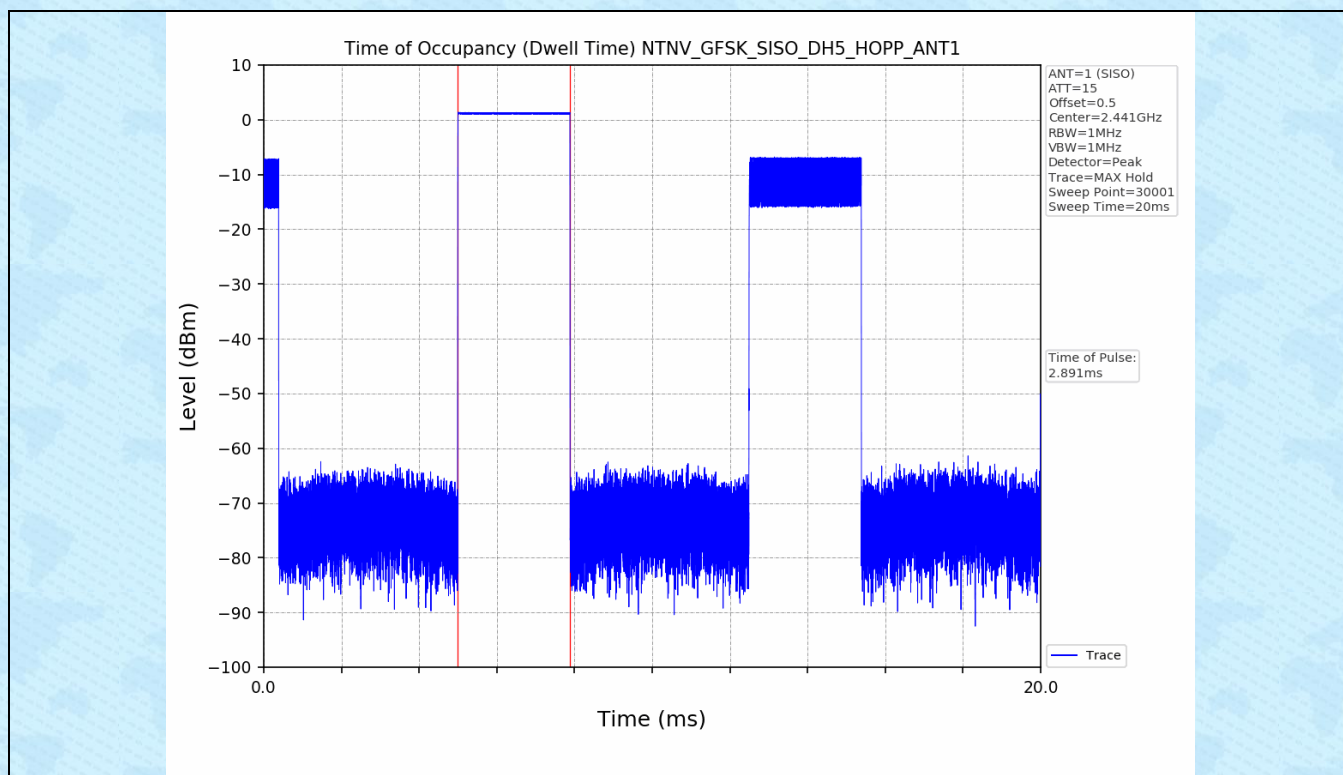
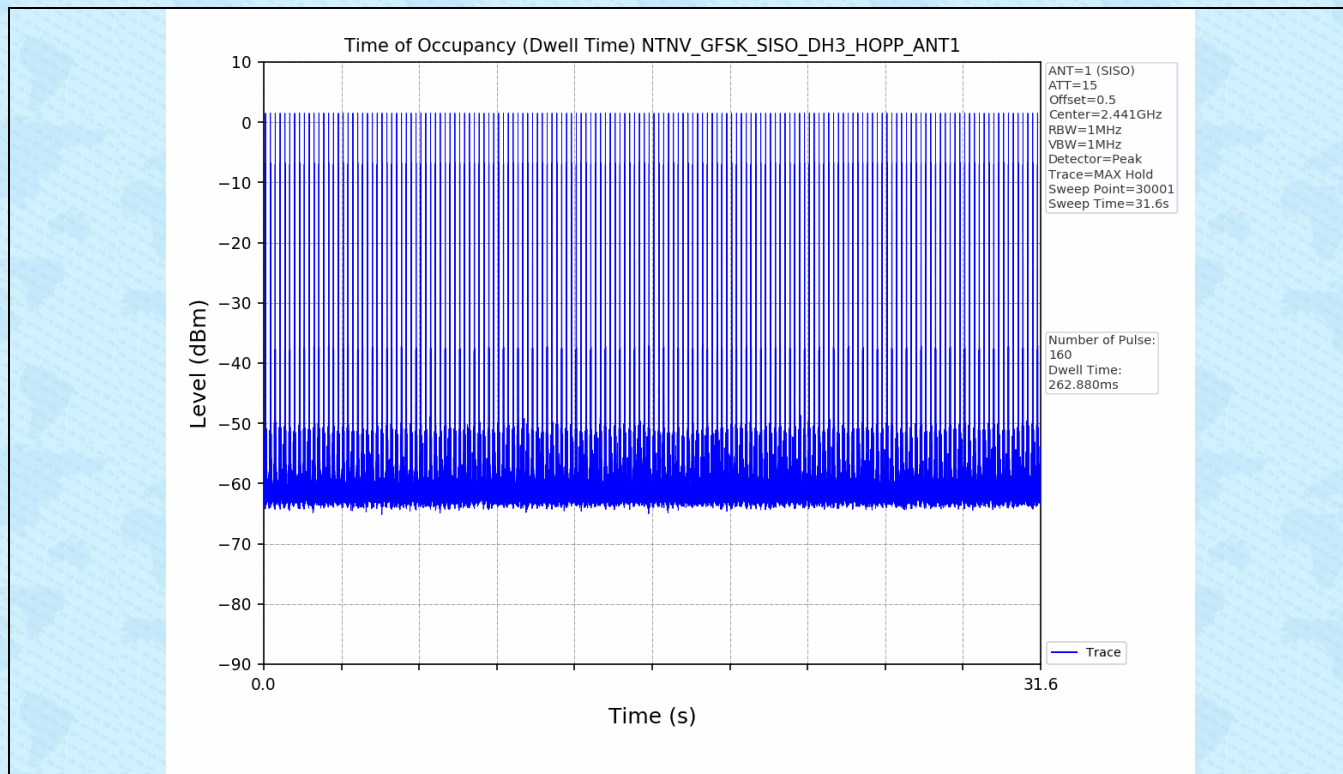
5.1 Test Result

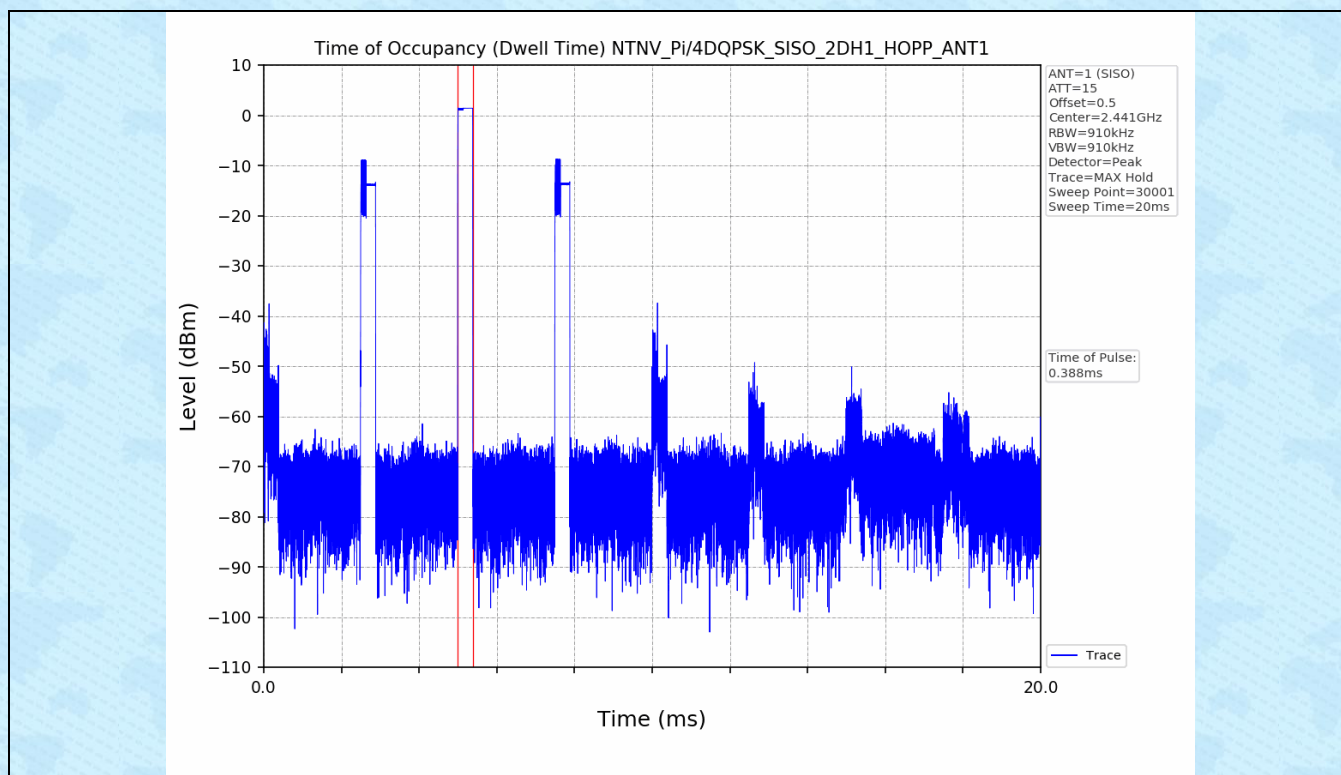
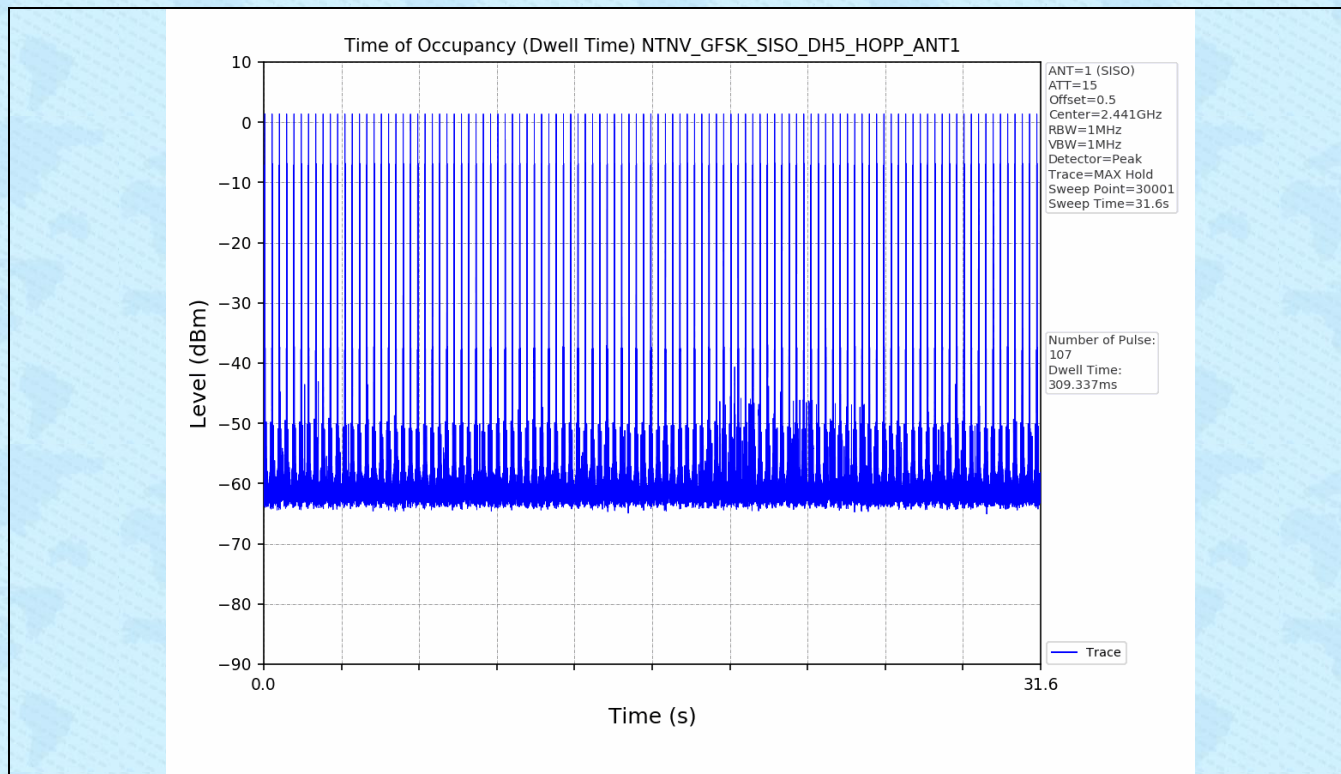
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Obeservation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.387	31.6	320	123.840	≤400	PASS
	DH3	SISO	1	1.643	31.6	160	262.880	≤400	PASS
	DH5	SISO	1	2.891	31.6	107	309.337	≤400	PASS
$\pi/4$ -DQPSK	2DH1	SISO	1	0.388	31.6	320	124.160	≤400	PASS
	2DH3	SISO	1	1.639	31.6	160	262.240	≤400	PASS
	2DH5	SISO	1	2.887	31.6	107	308.909	≤400	PASS
8-DPSK	3DH1	SISO	1	0.389	31.6	320	124.480	≤400	PASS
	3DH3	SISO	1	1.639	31.6	160	262.240	≤400	PASS
	3DH5	SISO	1	2.890	31.6	107	309.230	≤400	PASS

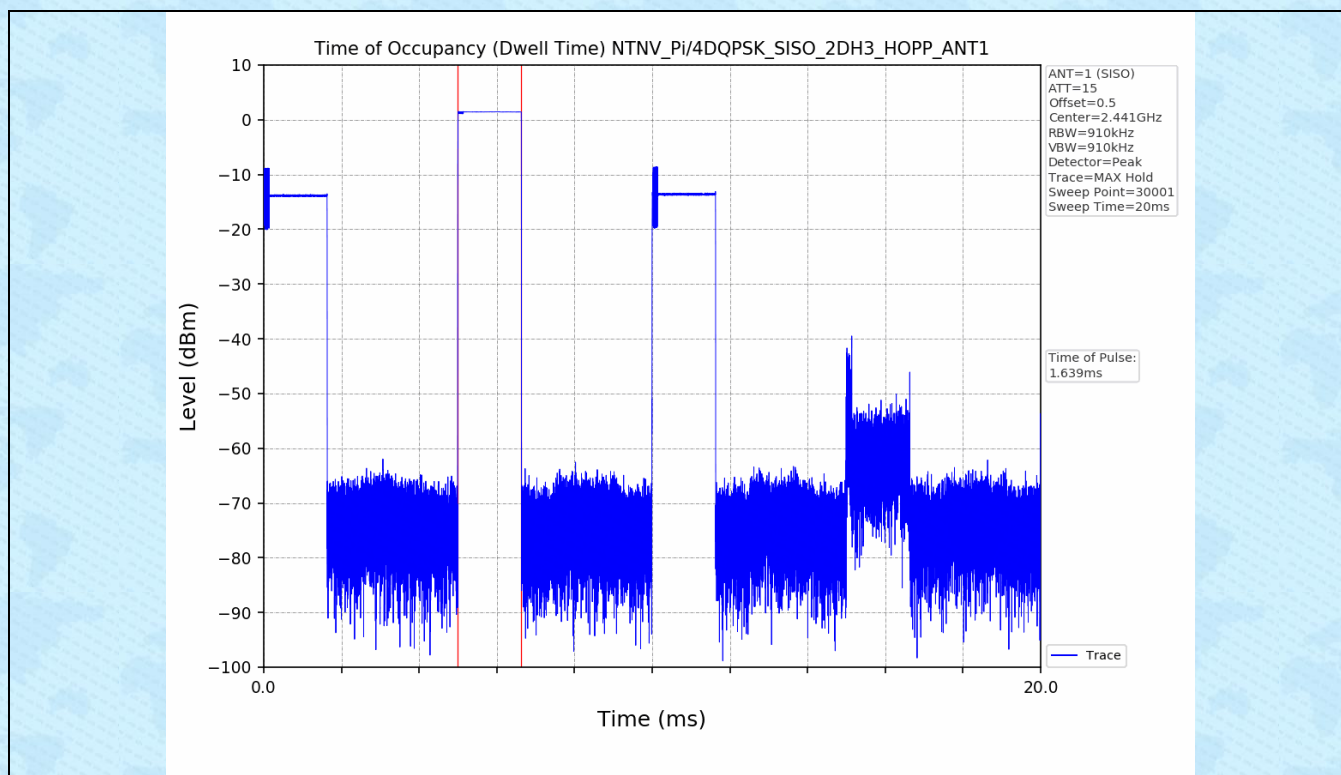
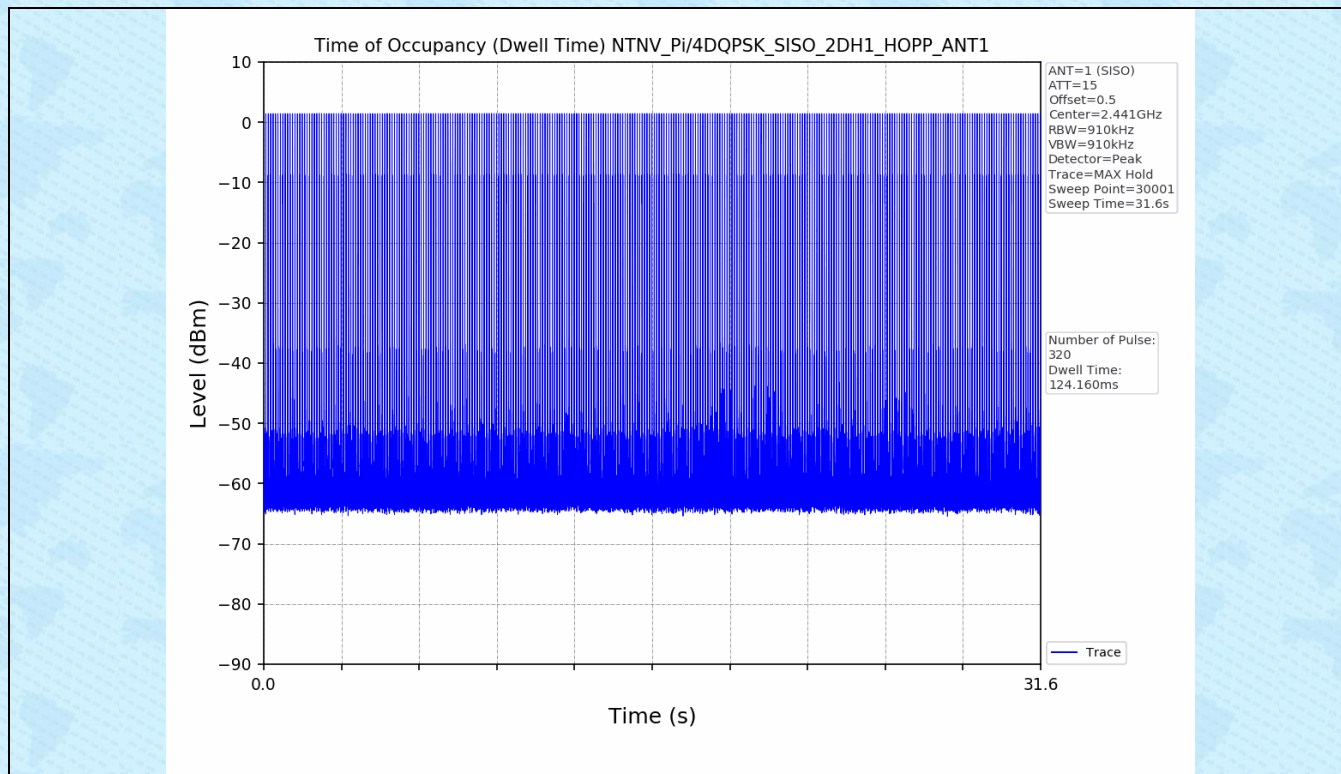
5.2 Test Graph

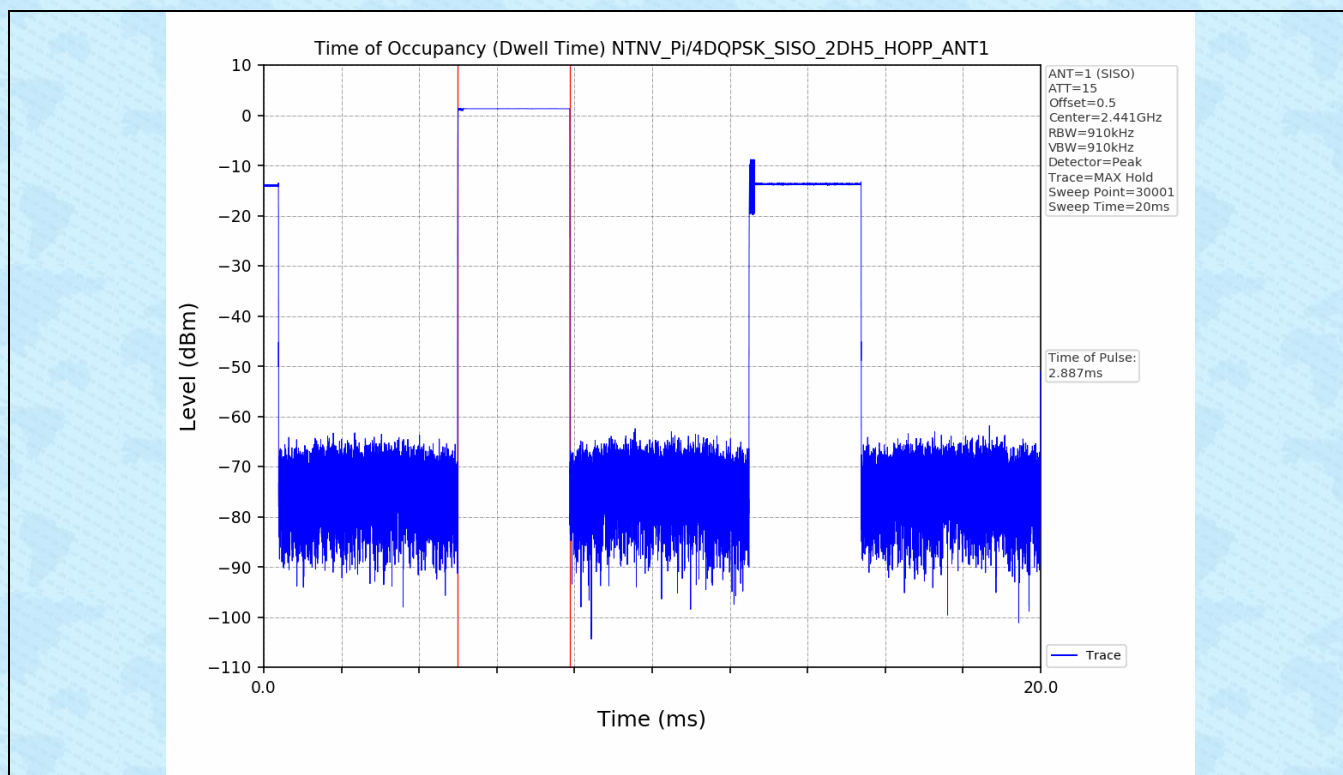
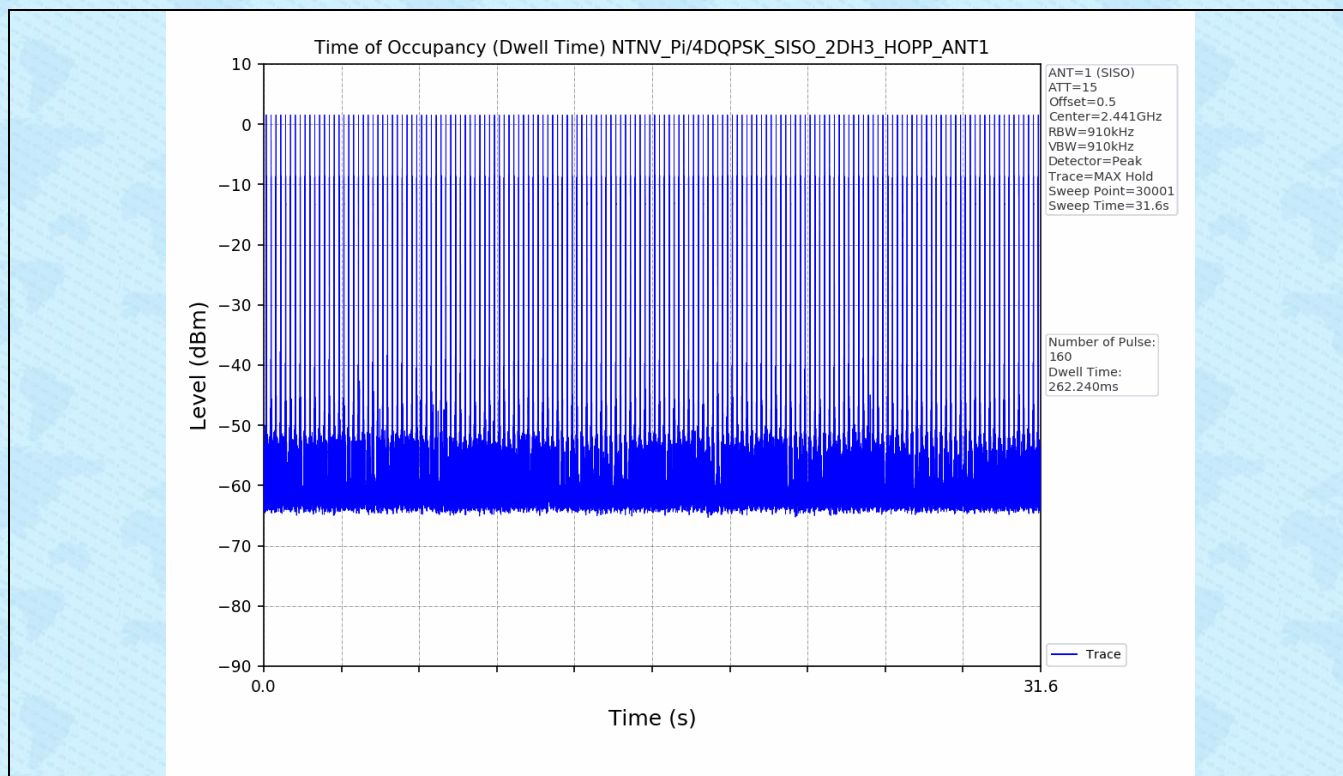


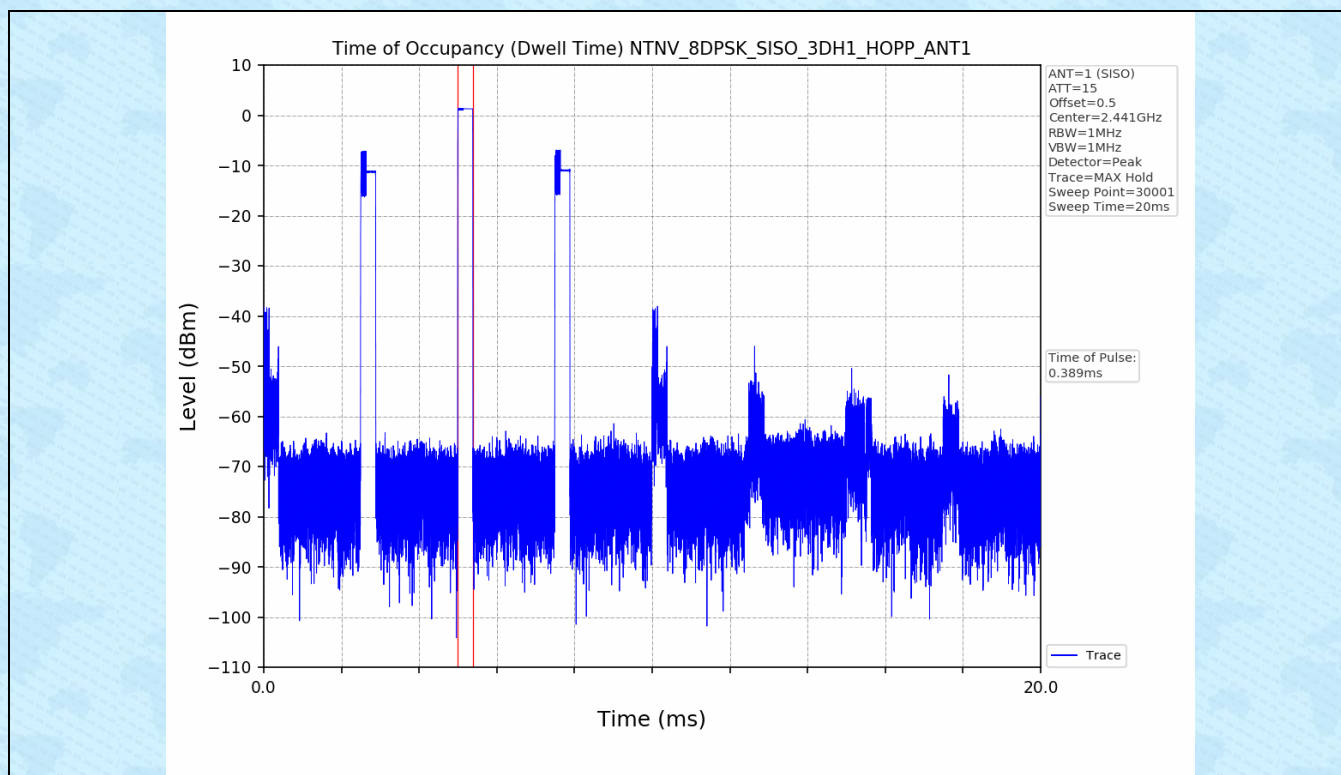
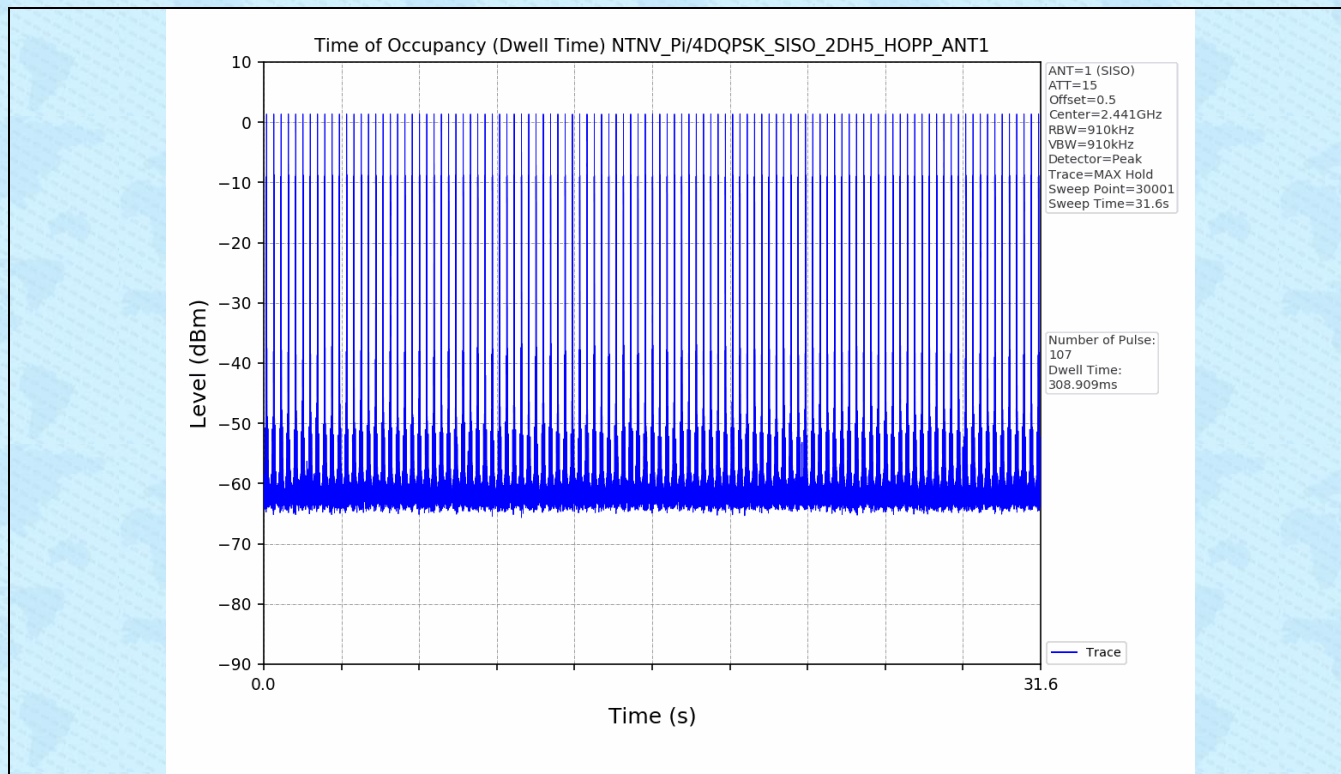


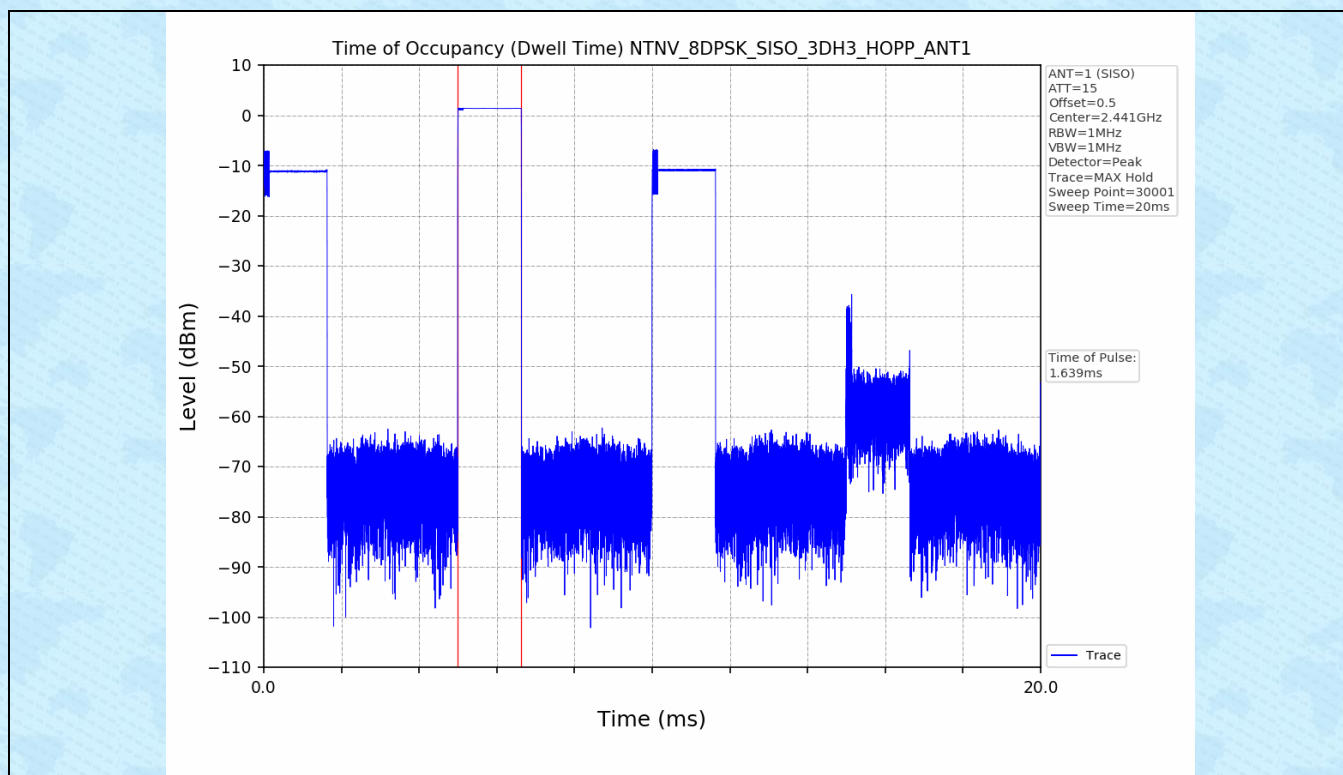
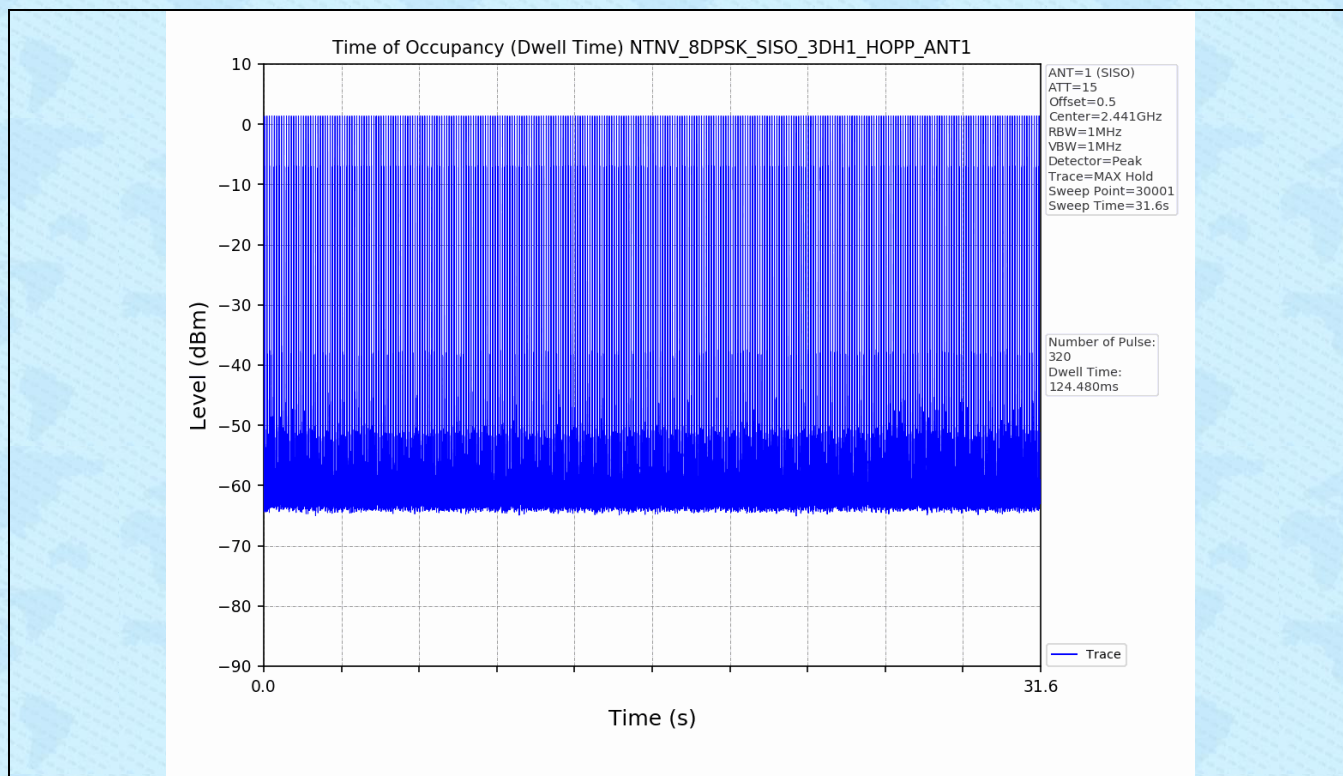


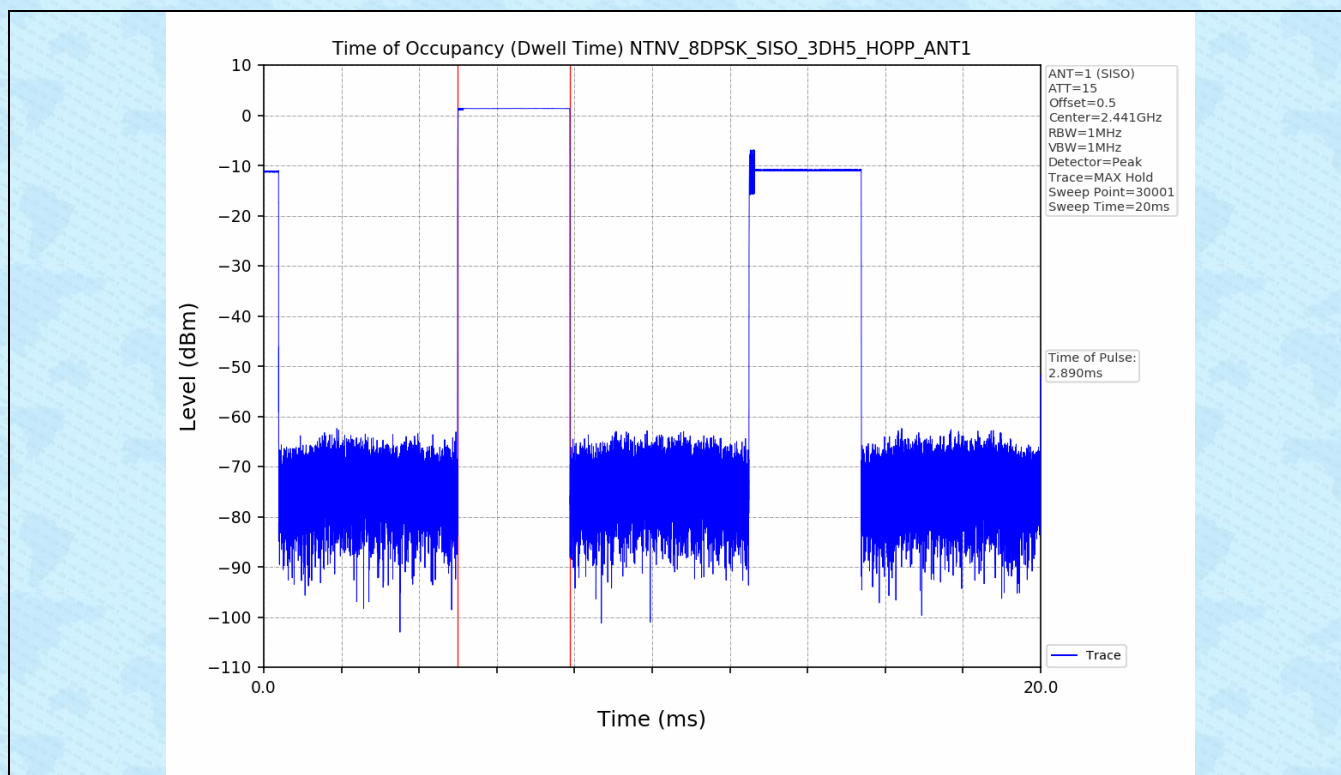
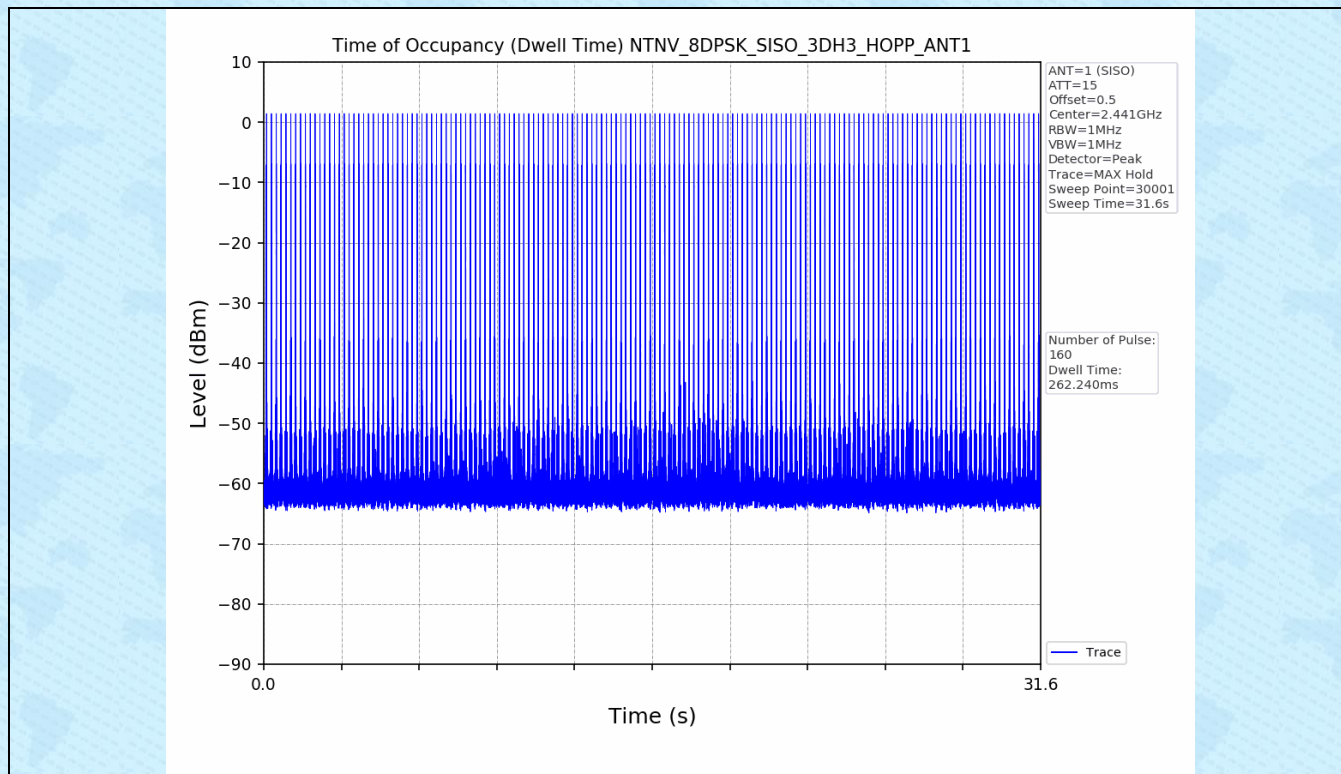


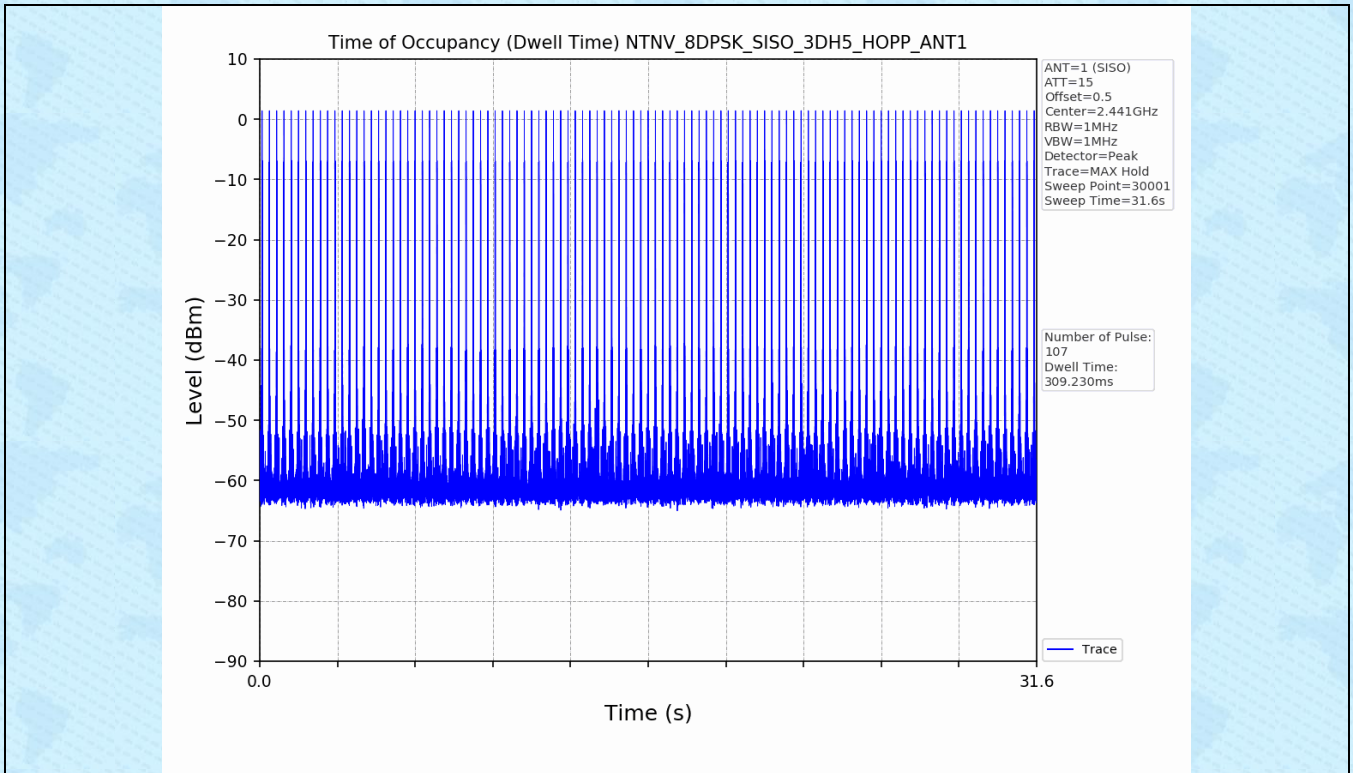










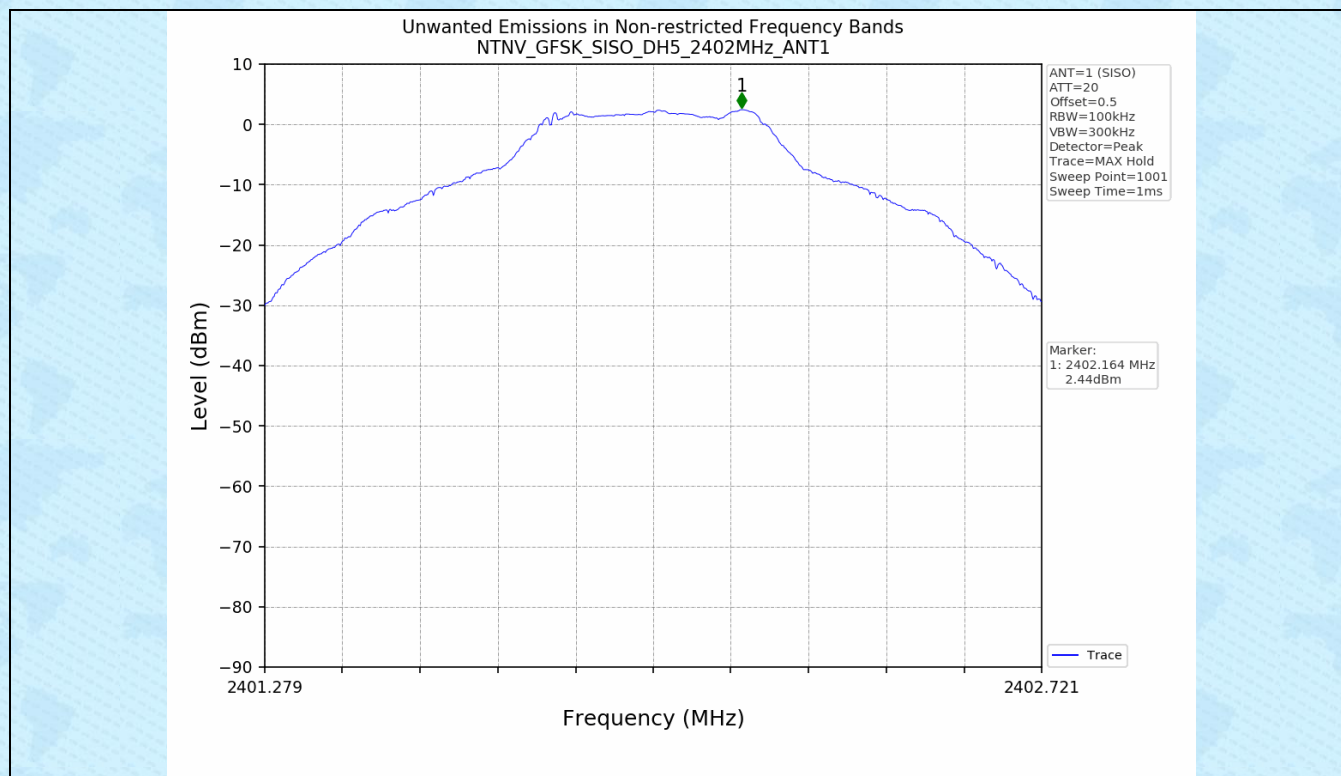


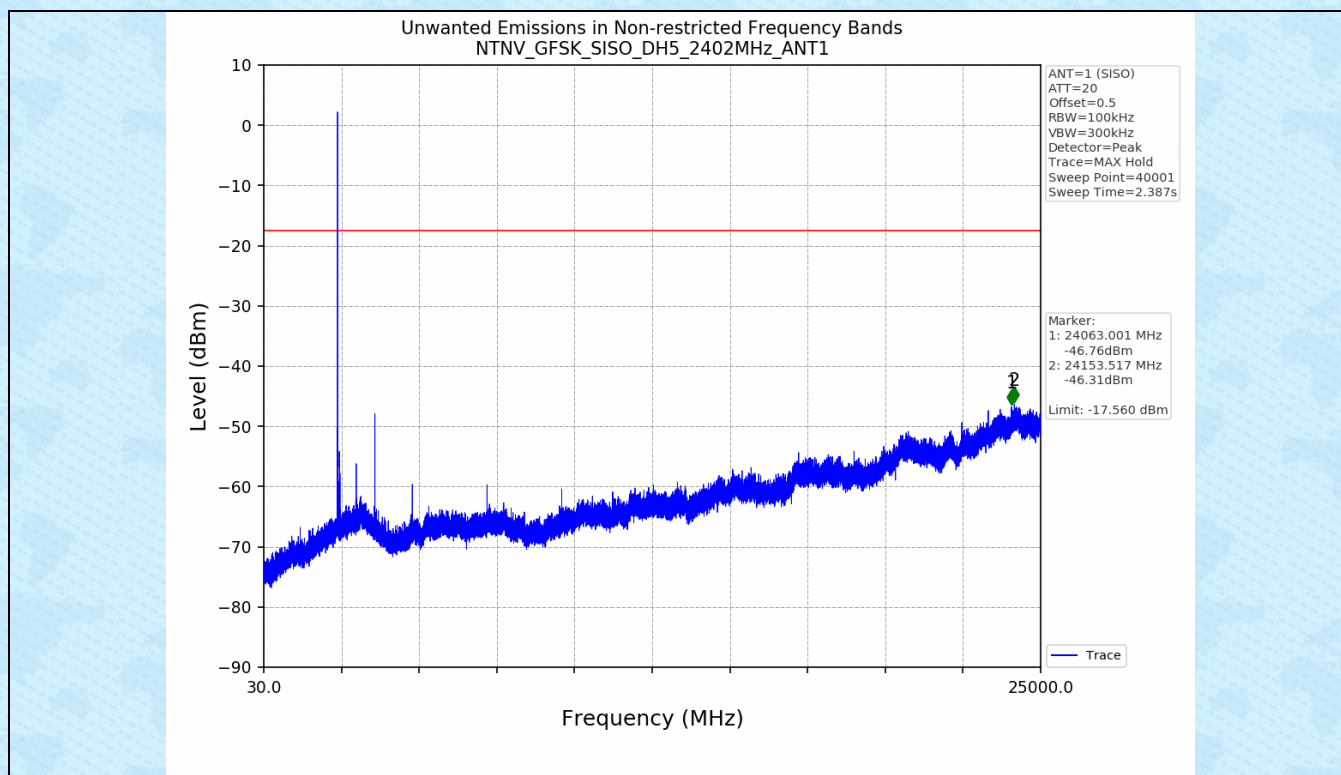
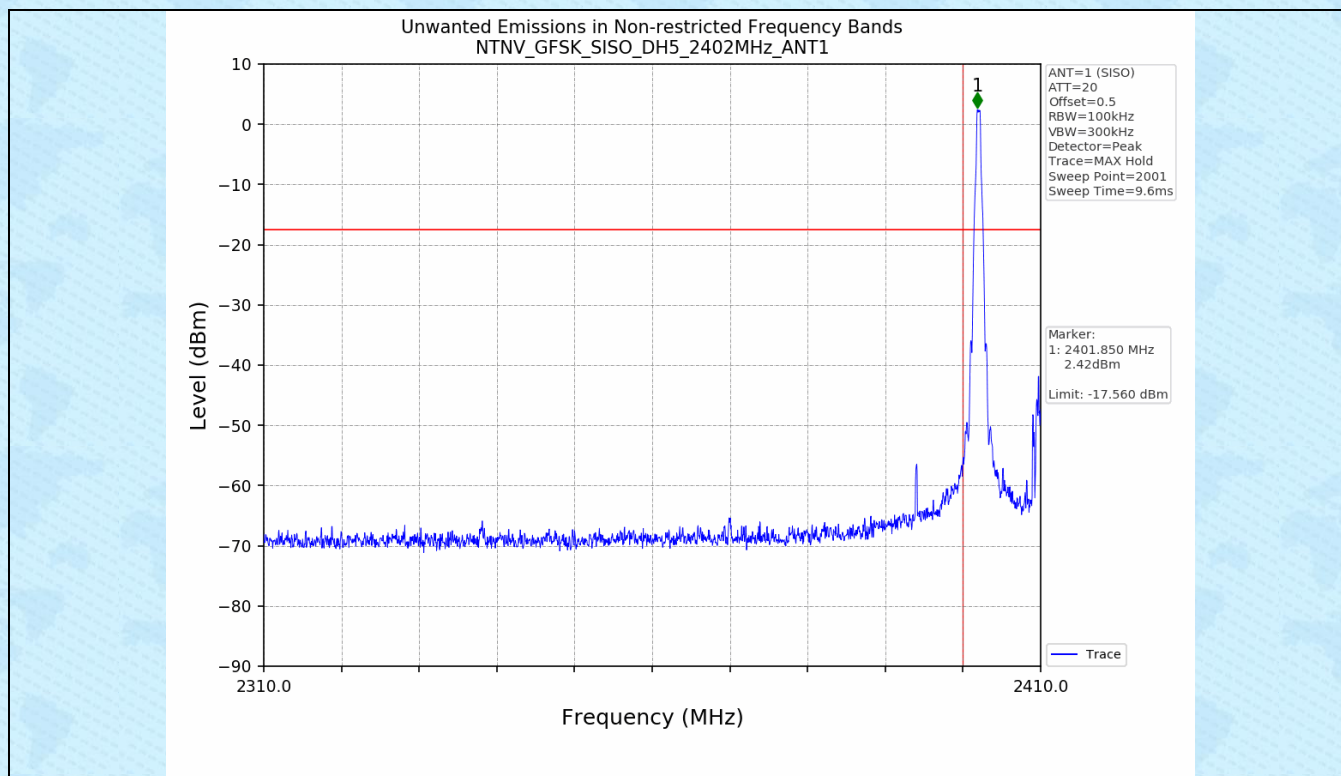
6. Unwanted Emissions in Non-restricted Frequency Bands

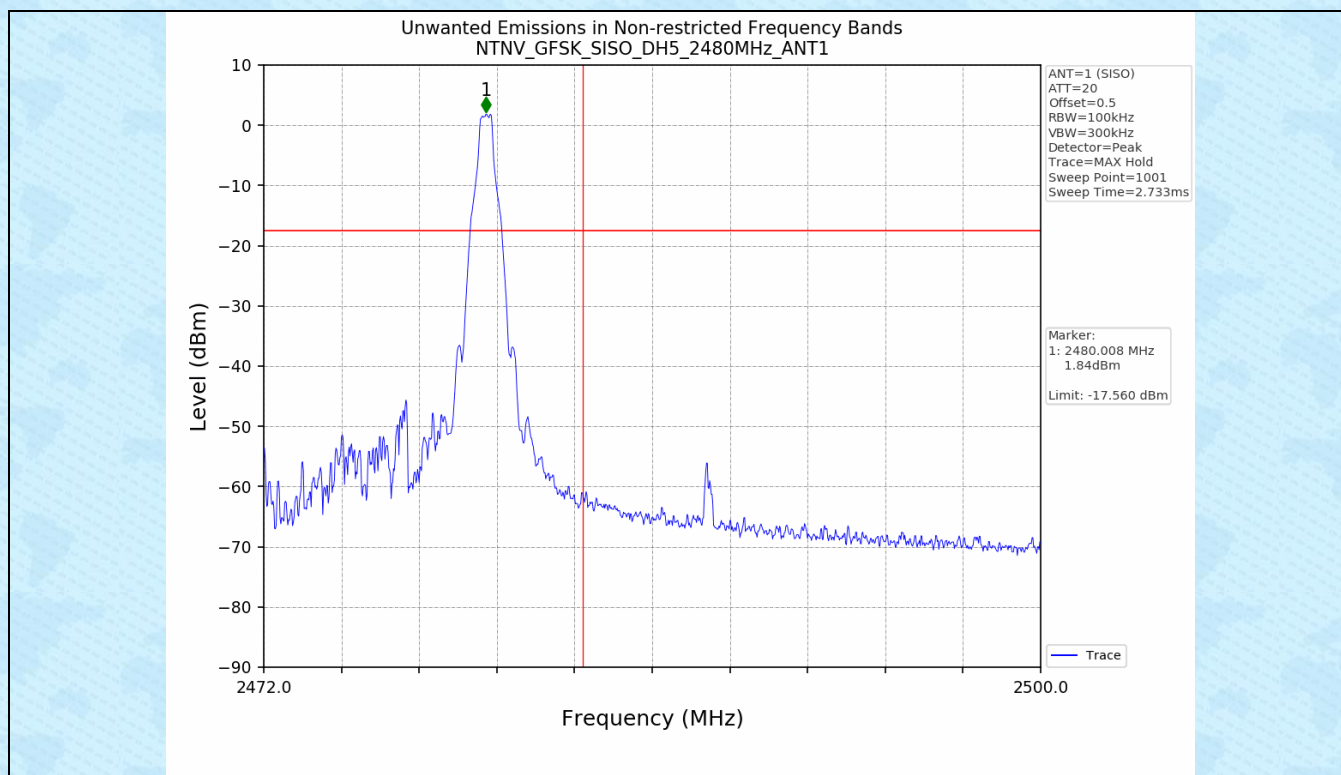
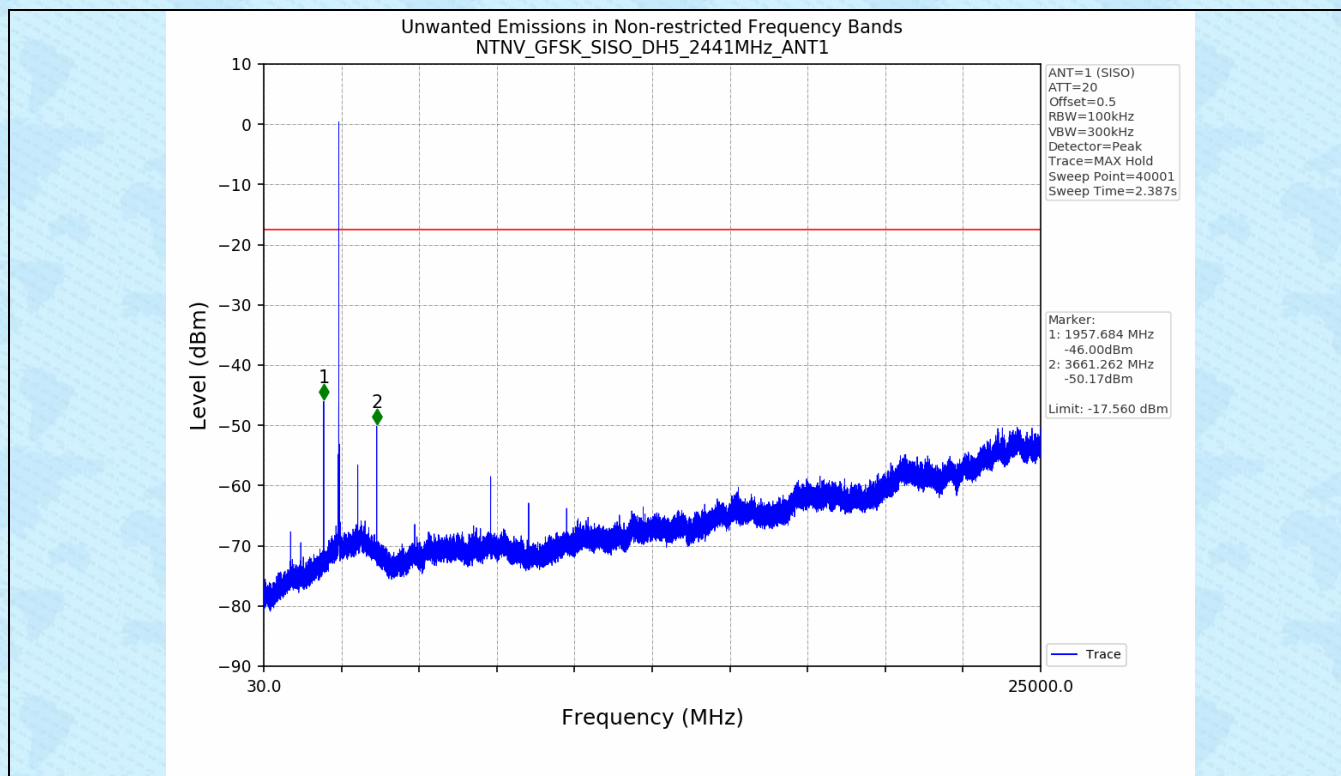
6.1 Test Result

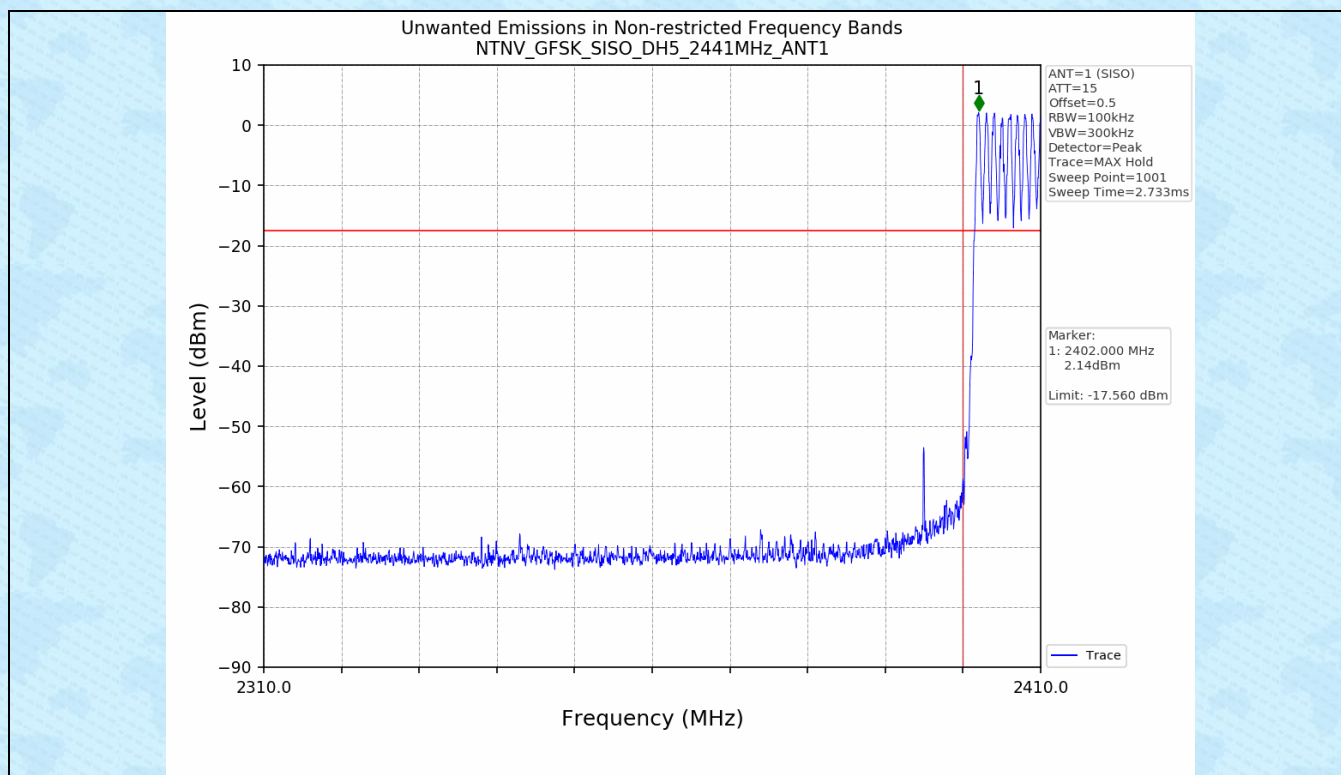
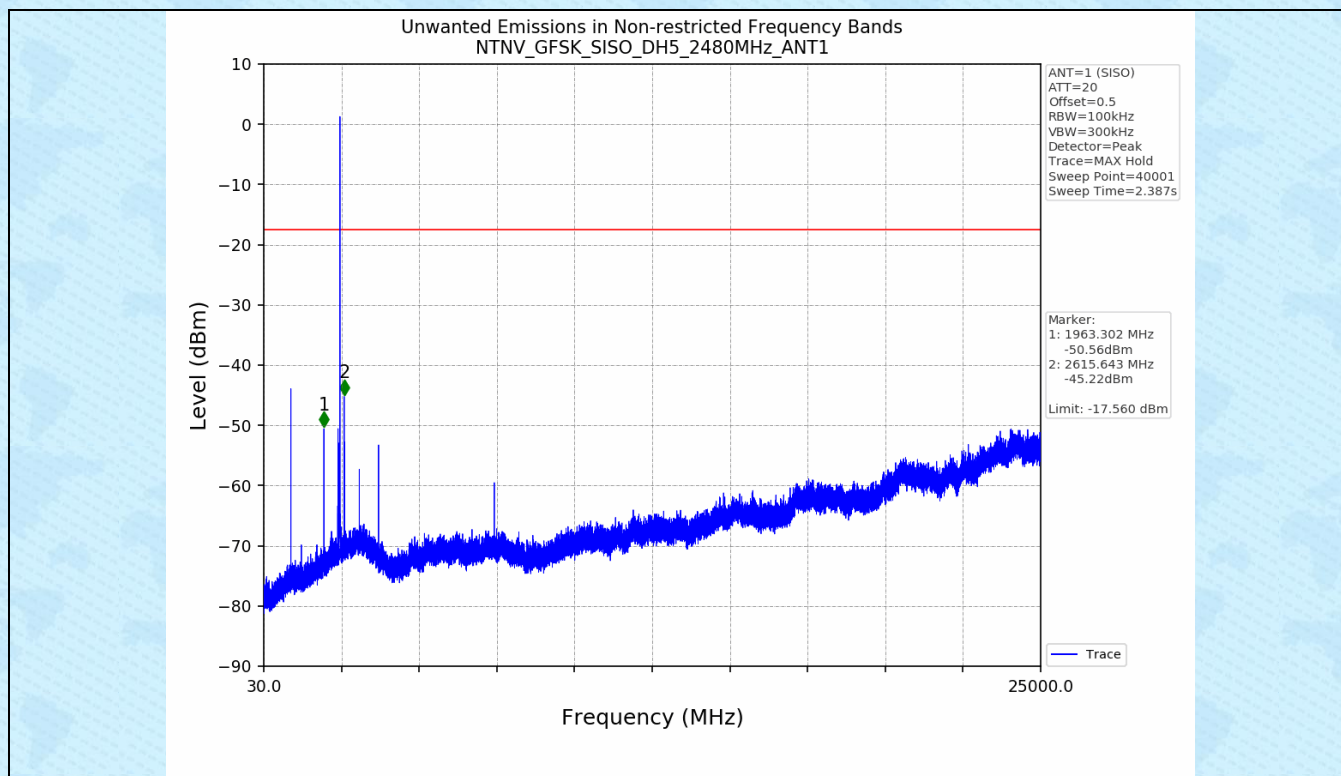
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-17.56	PASS
	2441	SISO	1	Refer to test graph	-17.56	PASS
	2480	SISO	1	Refer to test graph	-17.56	PASS
	Hopping	SISO	1	Refer to test graph	-17.56	PASS
$\pi/4$ -DQPSK	2402	SISO	1	Refer to test graph	-17.51	PASS
	2441	SISO	1	Refer to test graph	-17.51	PASS
	2480	SISO	1	Refer to test graph	-17.51	PASS
	Hopping	SISO	1	Refer to test graph	-17.51	PASS
8-DPSK	2402	SISO	1	Refer to test graph	-17.61	PASS
	2441	SISO	1	Refer to test graph	-17.61	PASS
	2480	SISO	1	Refer to test graph	-17.61	PASS
	Hopping	SISO	1	Refer to test graph	-17.61	PASS

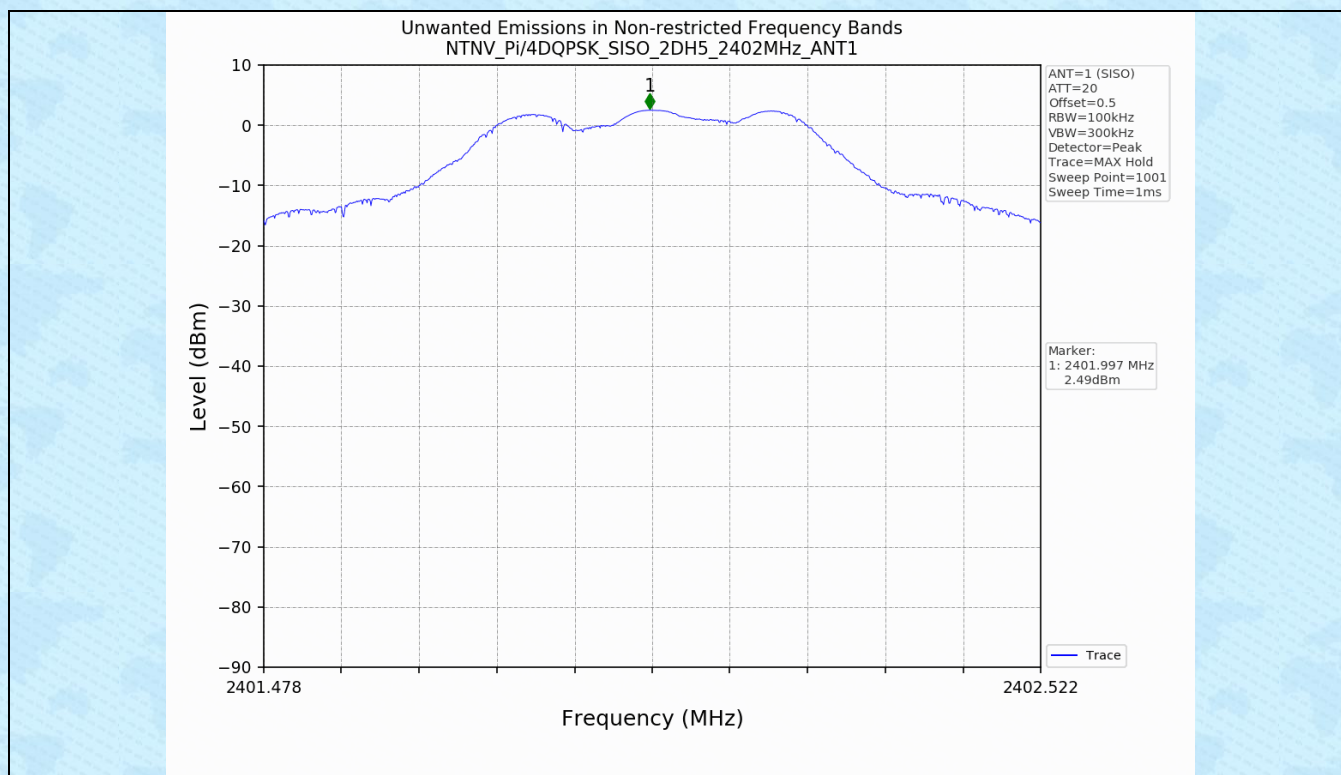
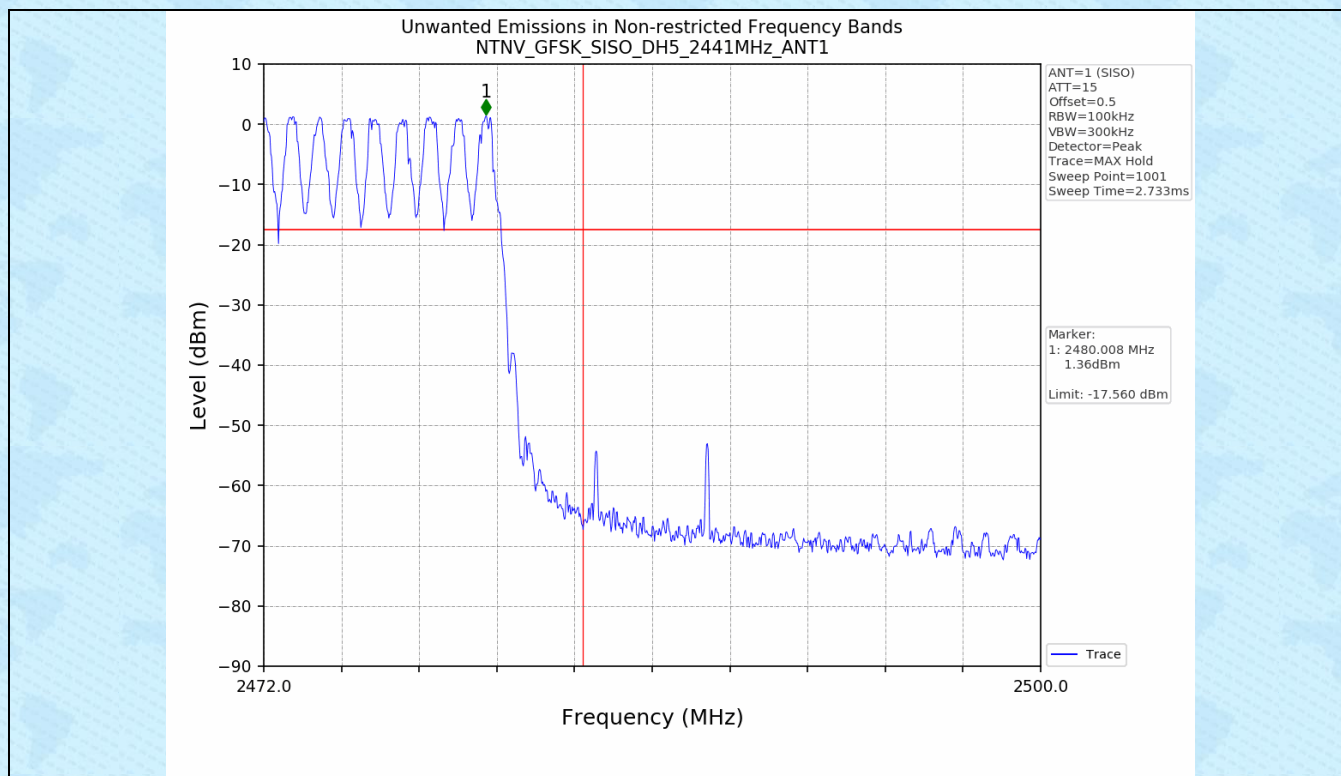
6.2 Test Graph

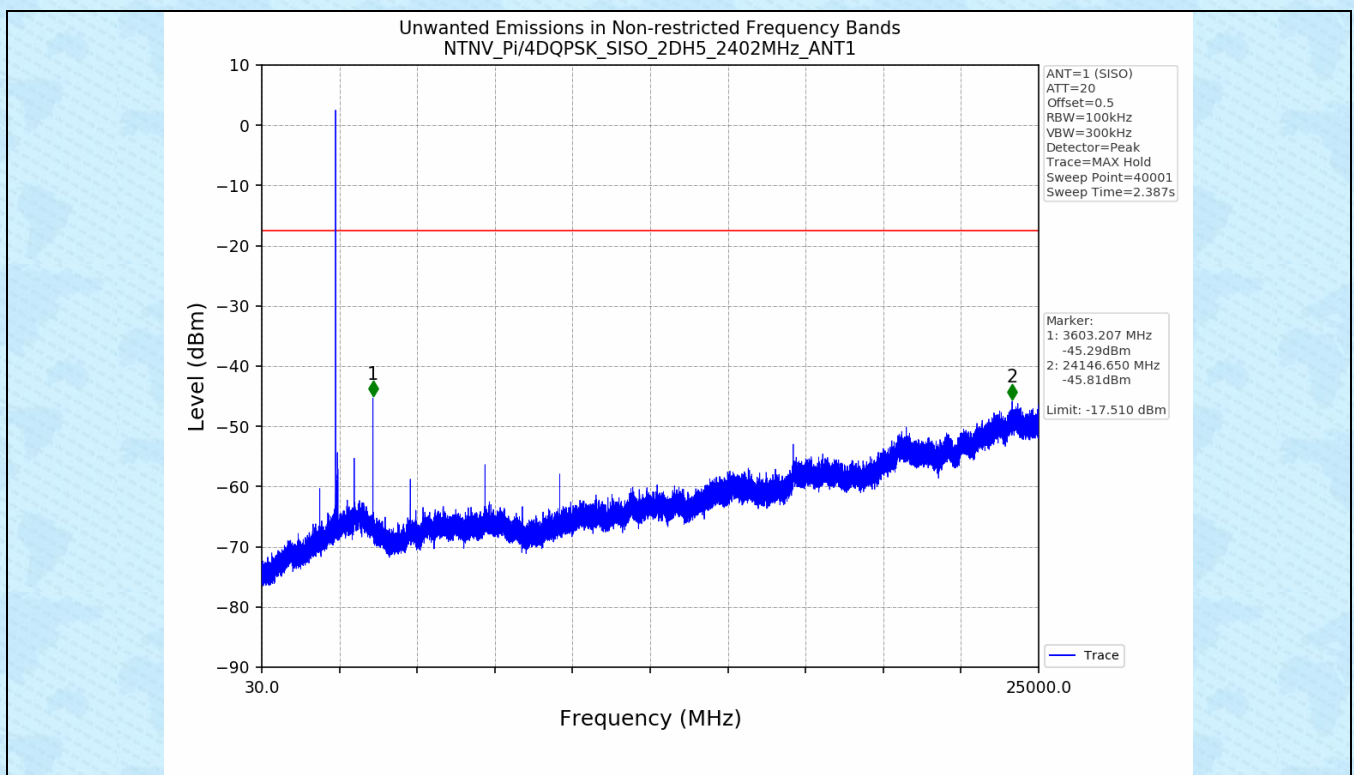
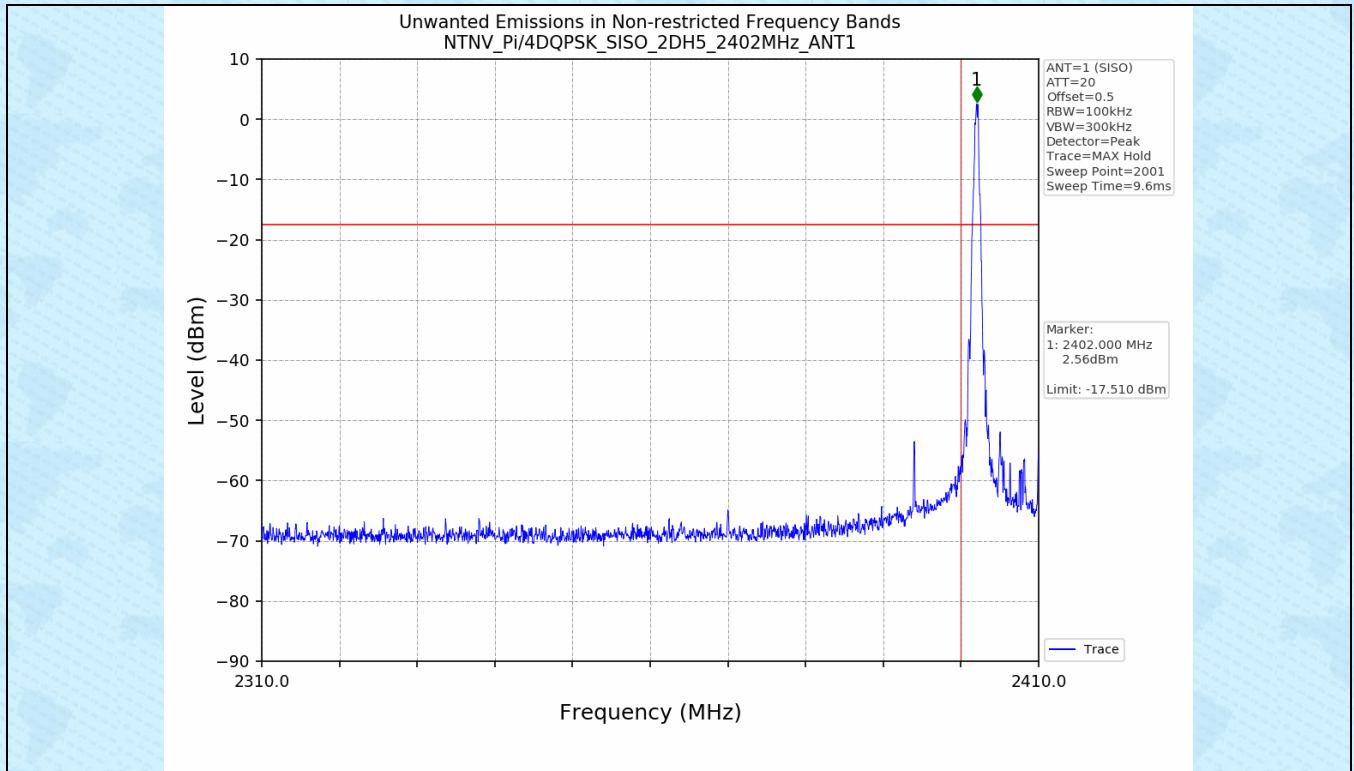


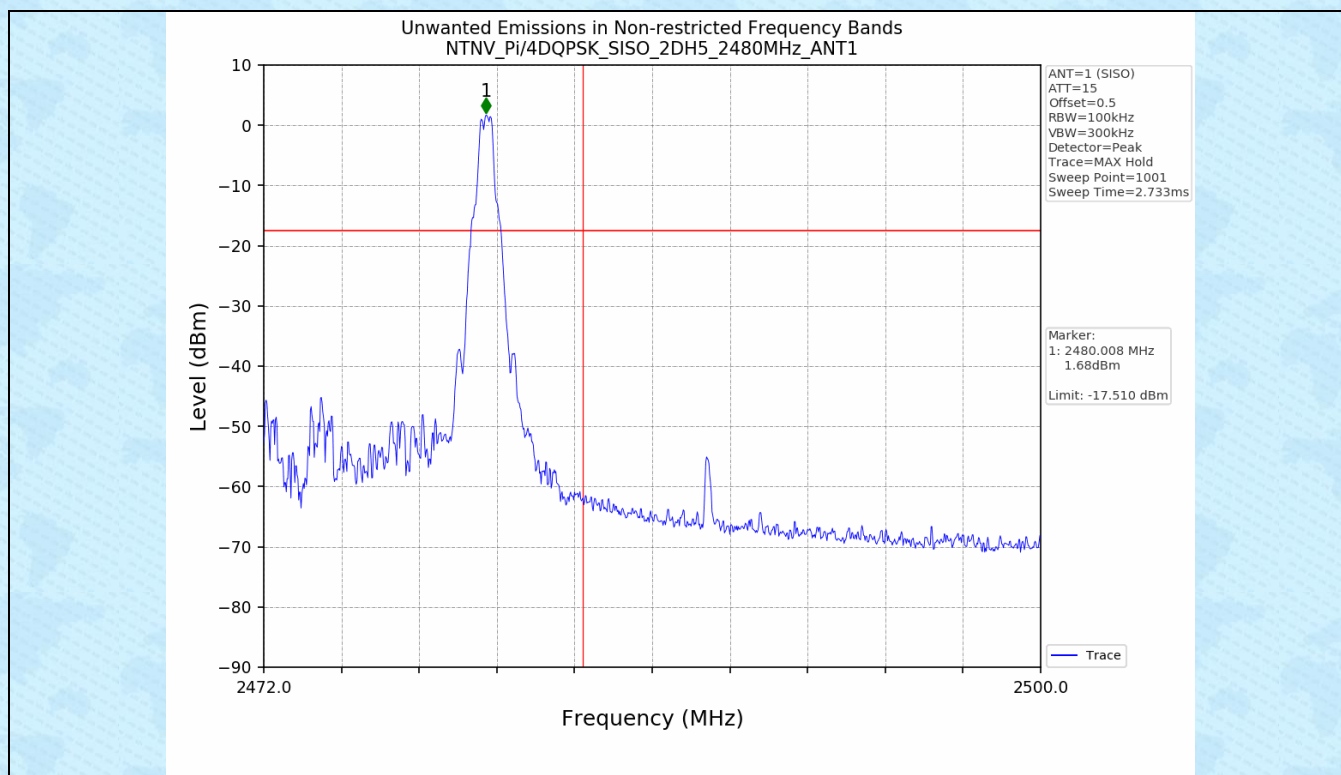
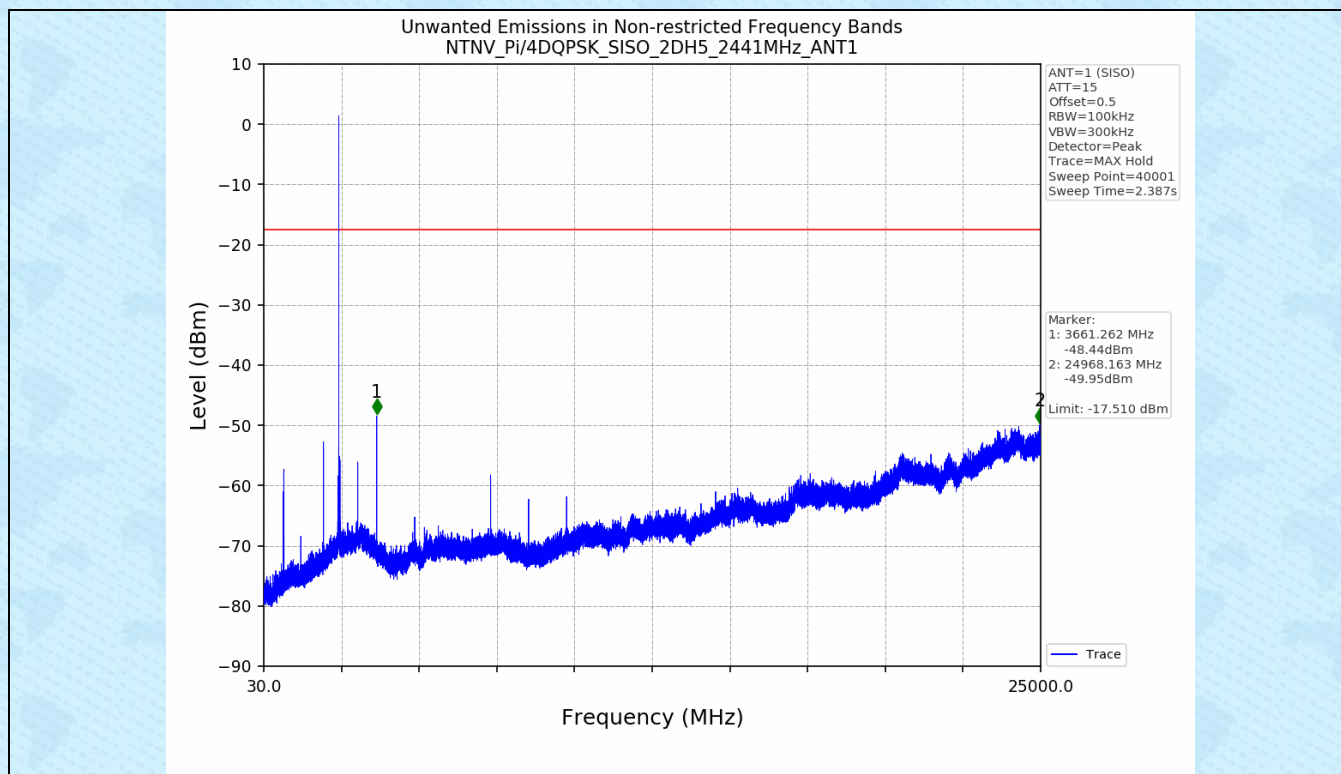


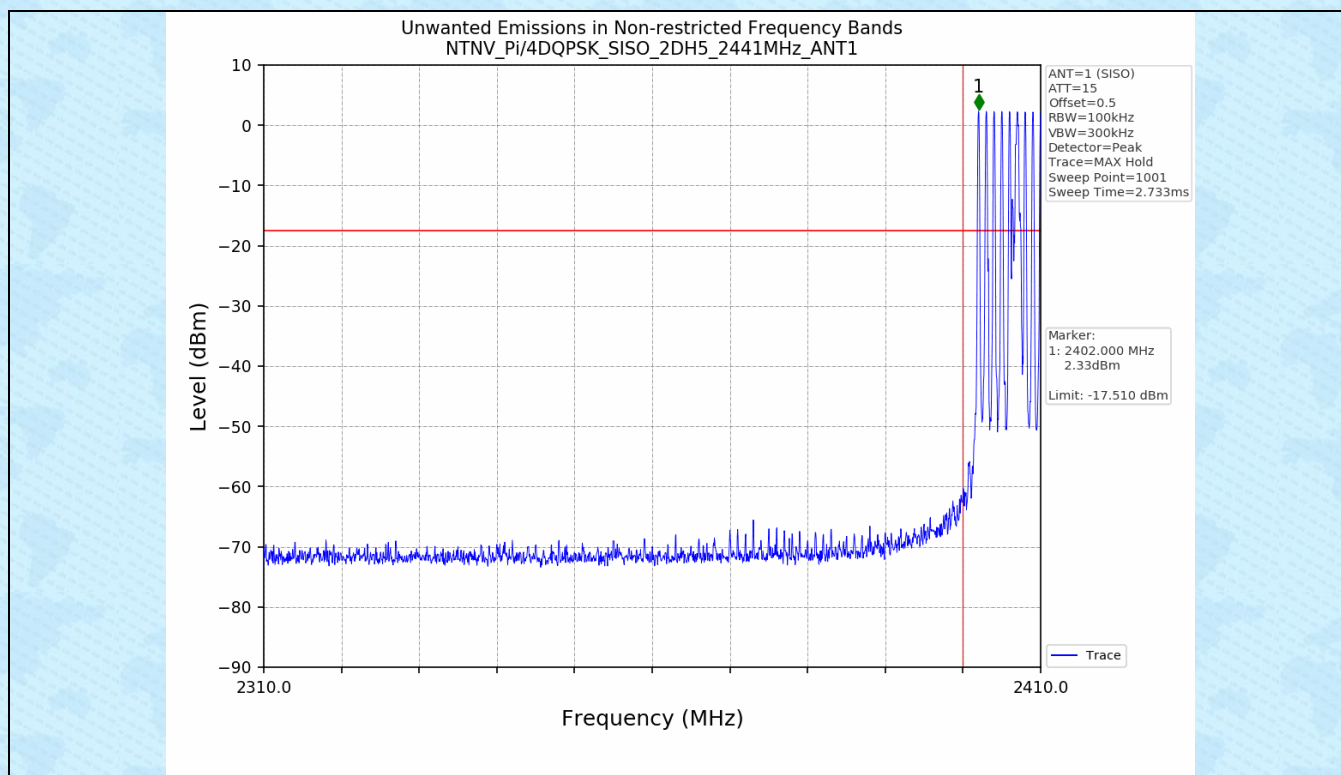
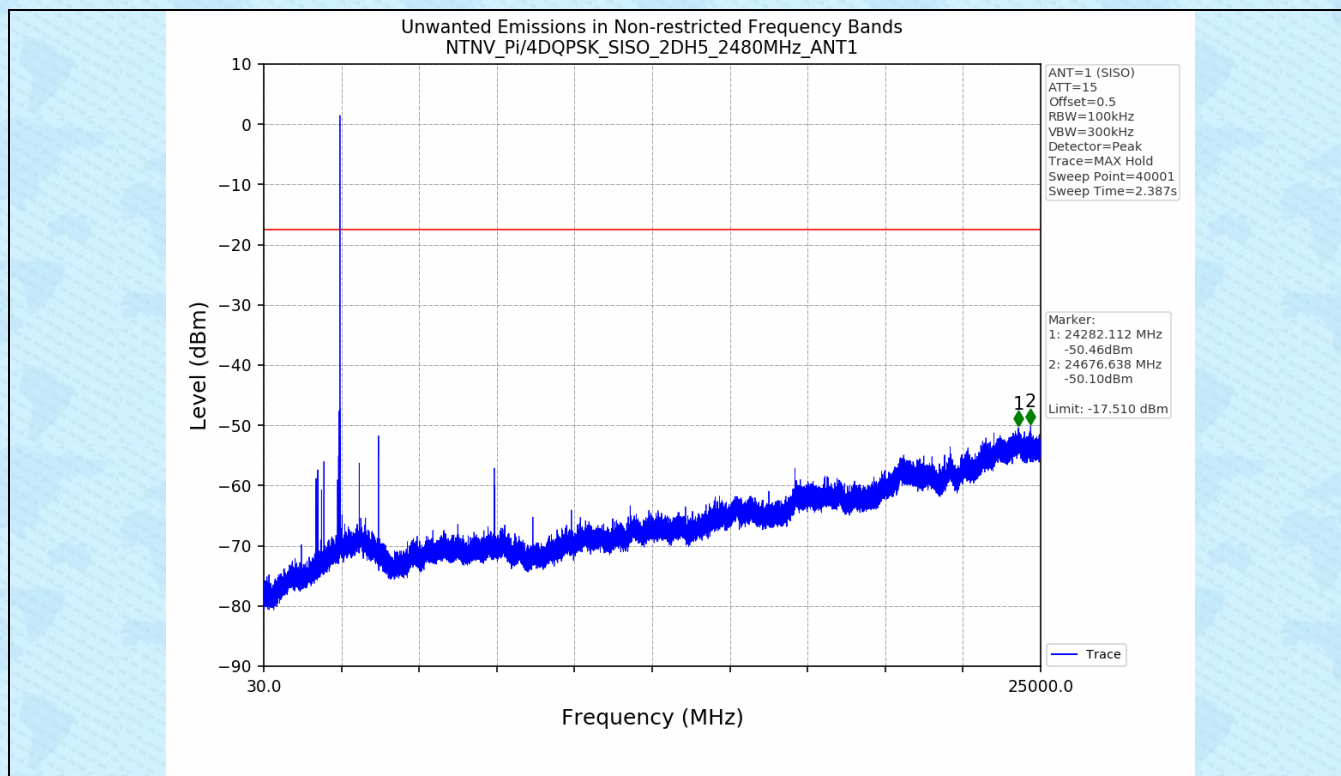


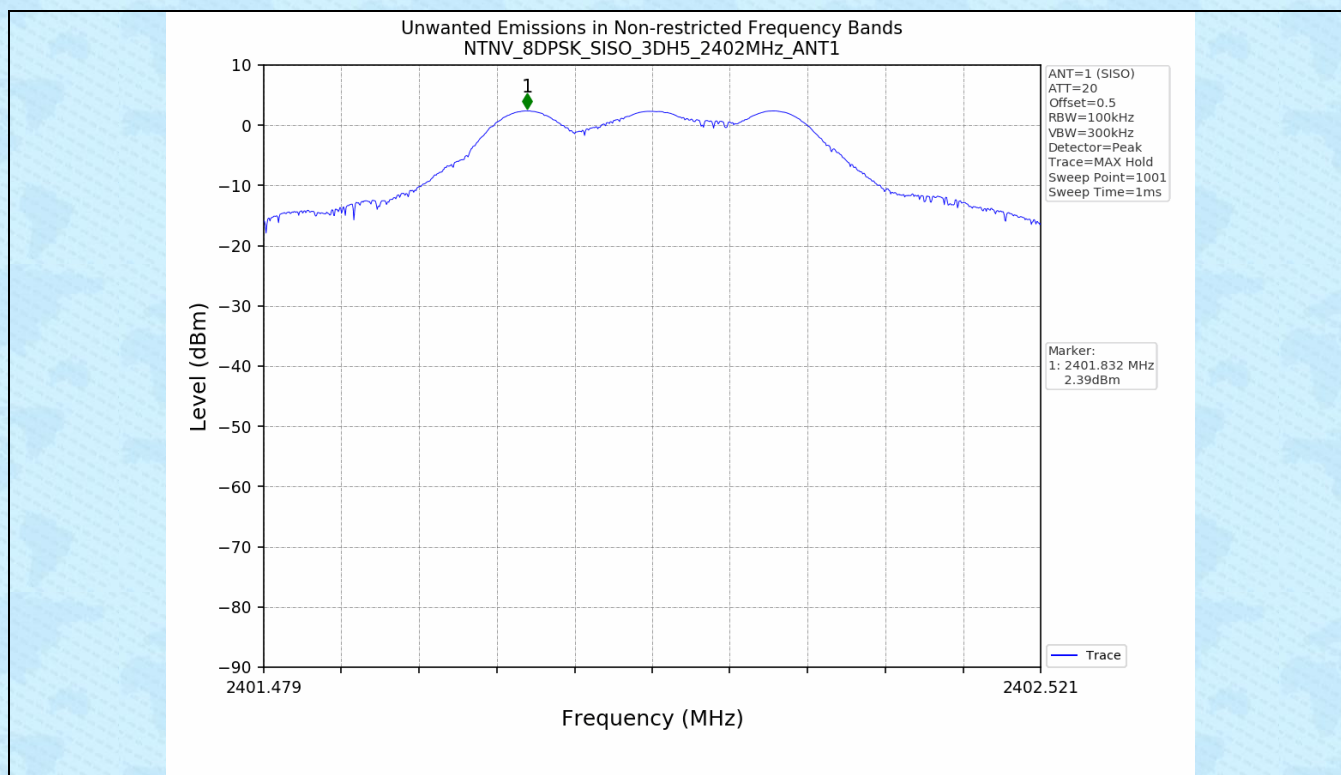
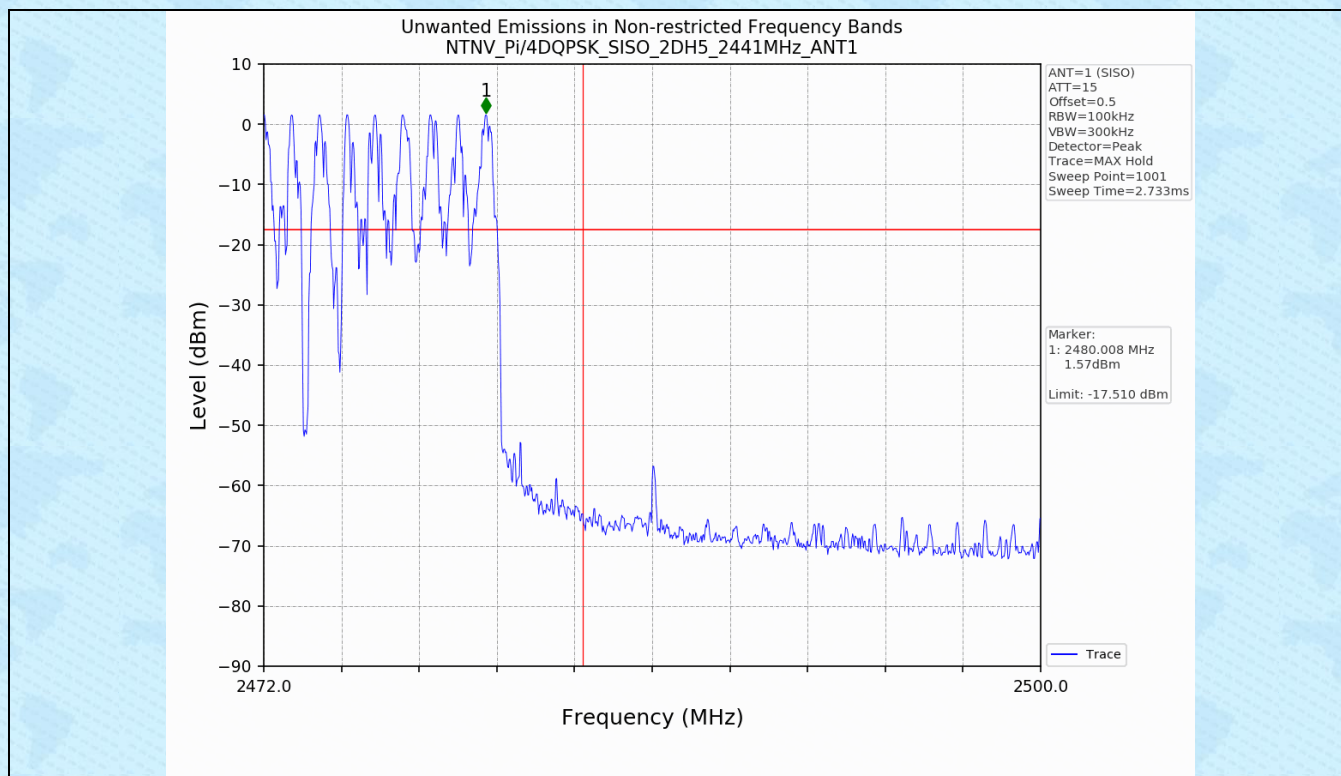


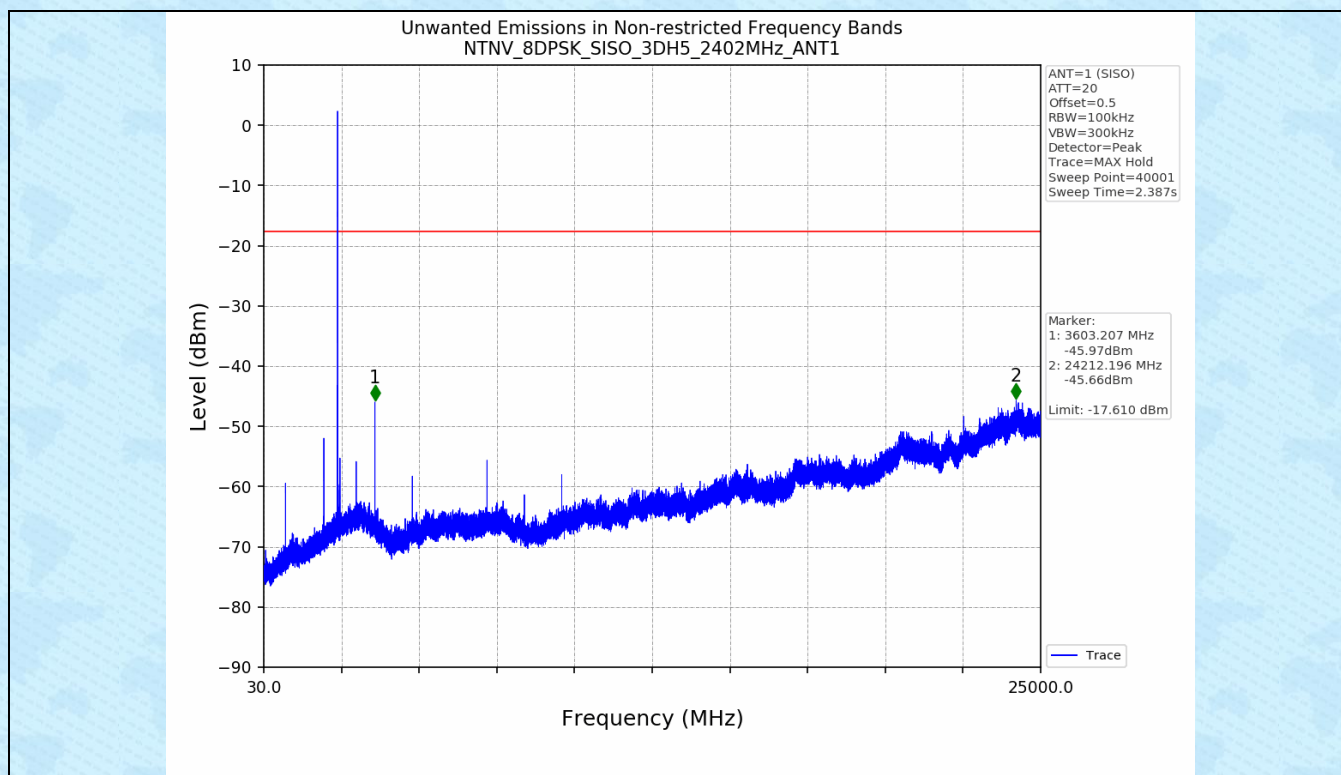
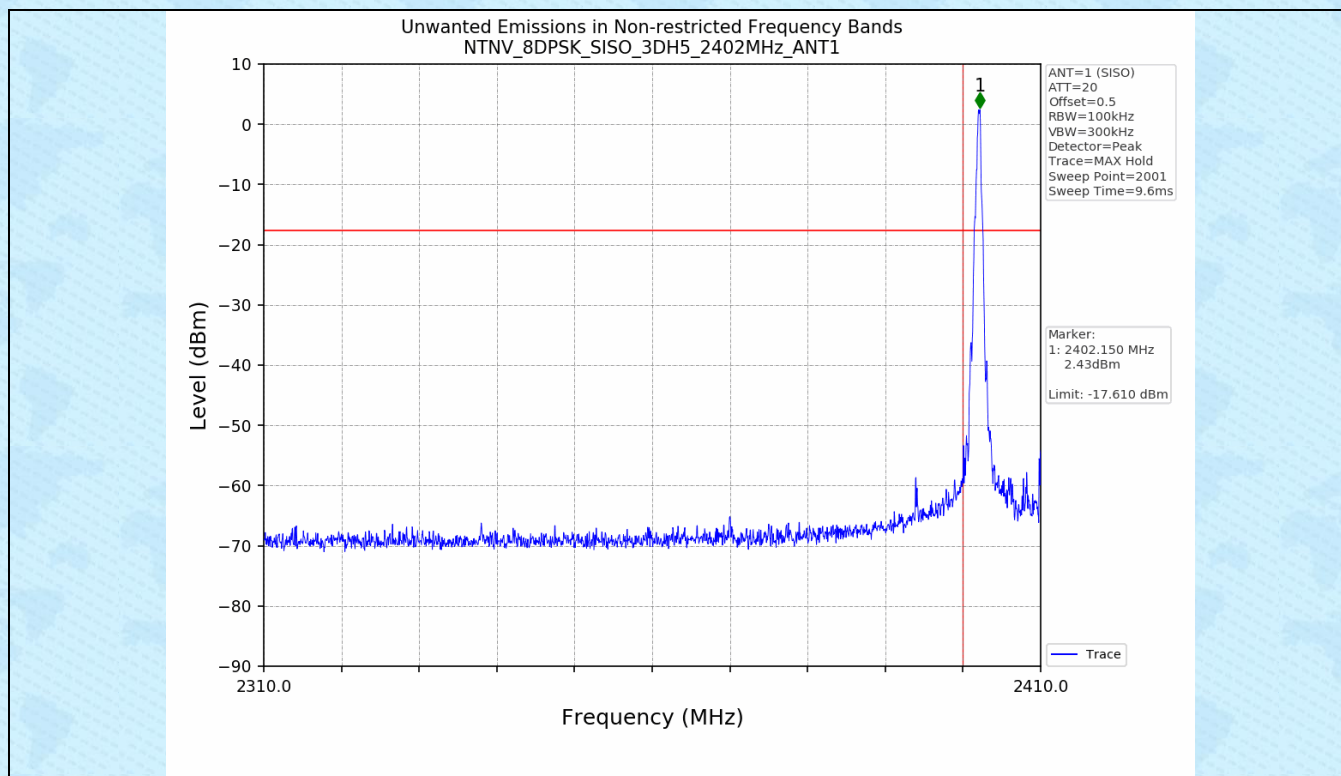


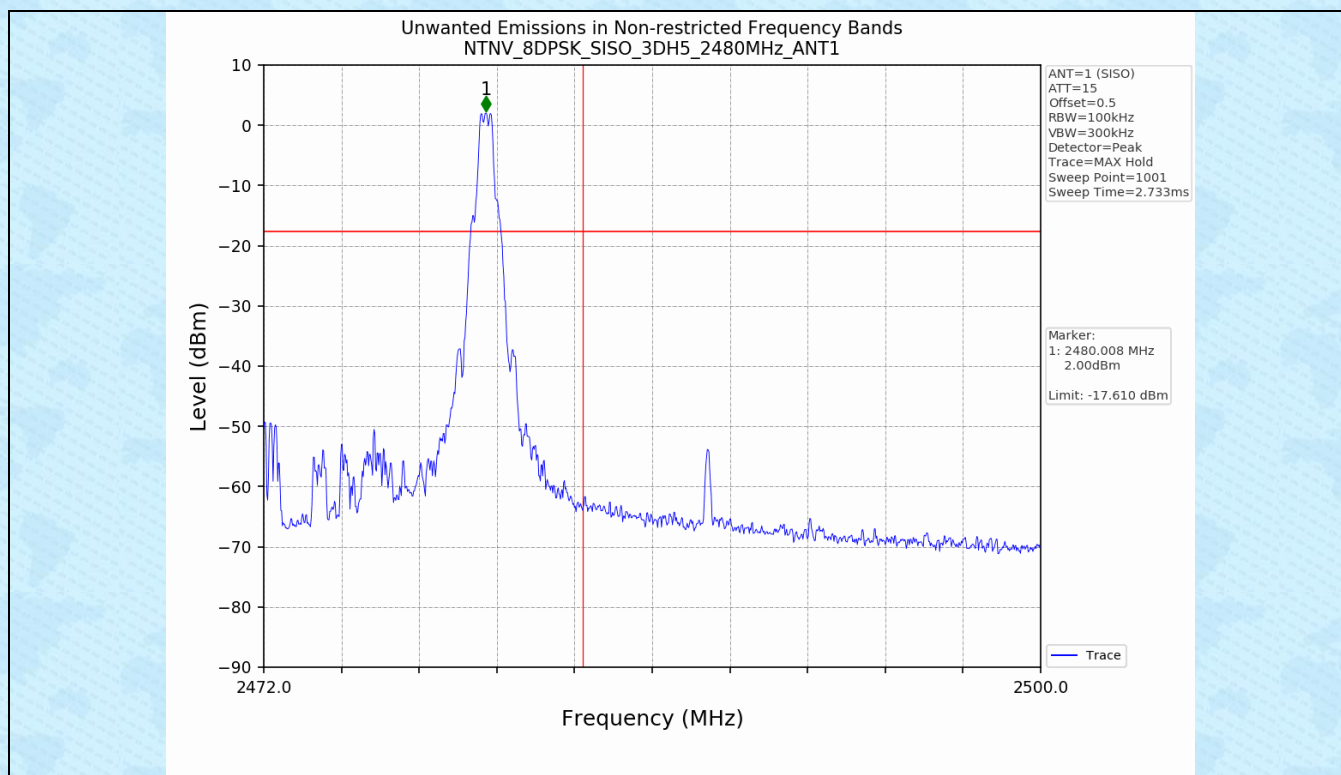
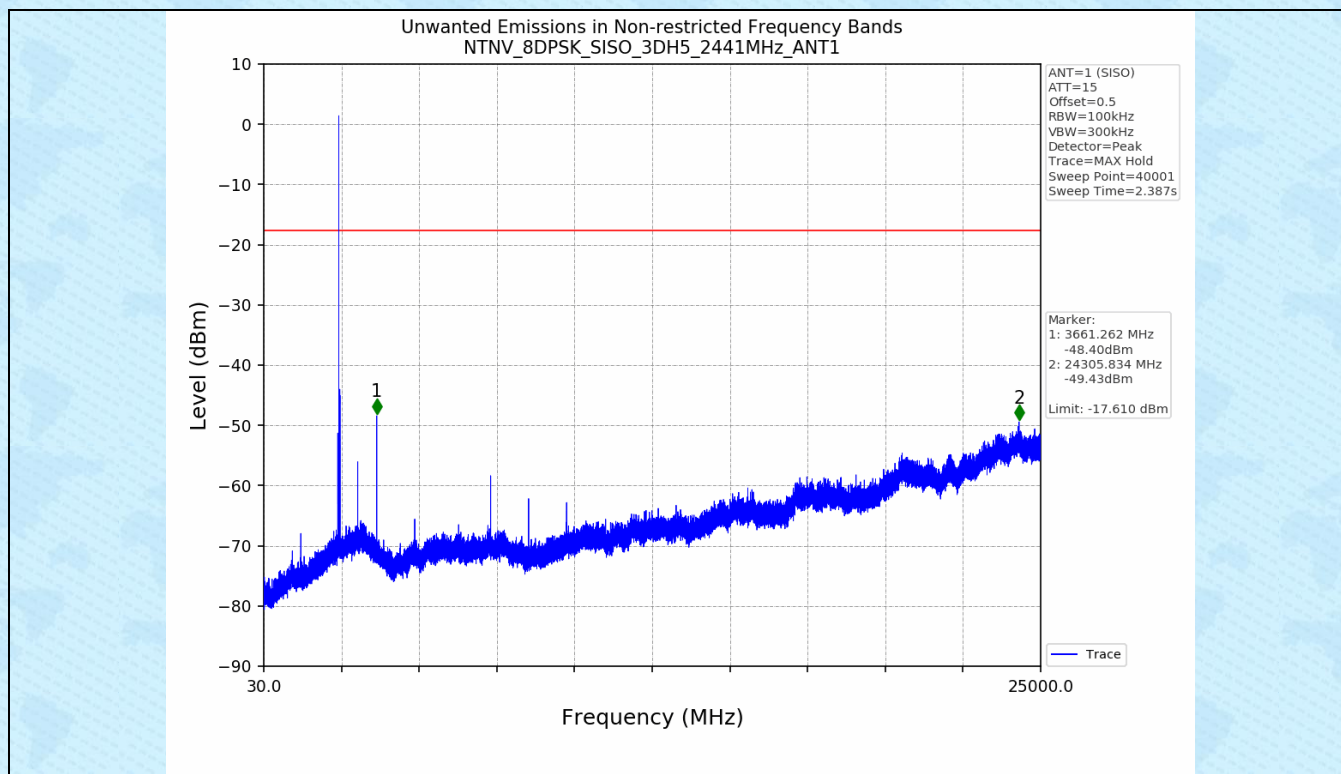


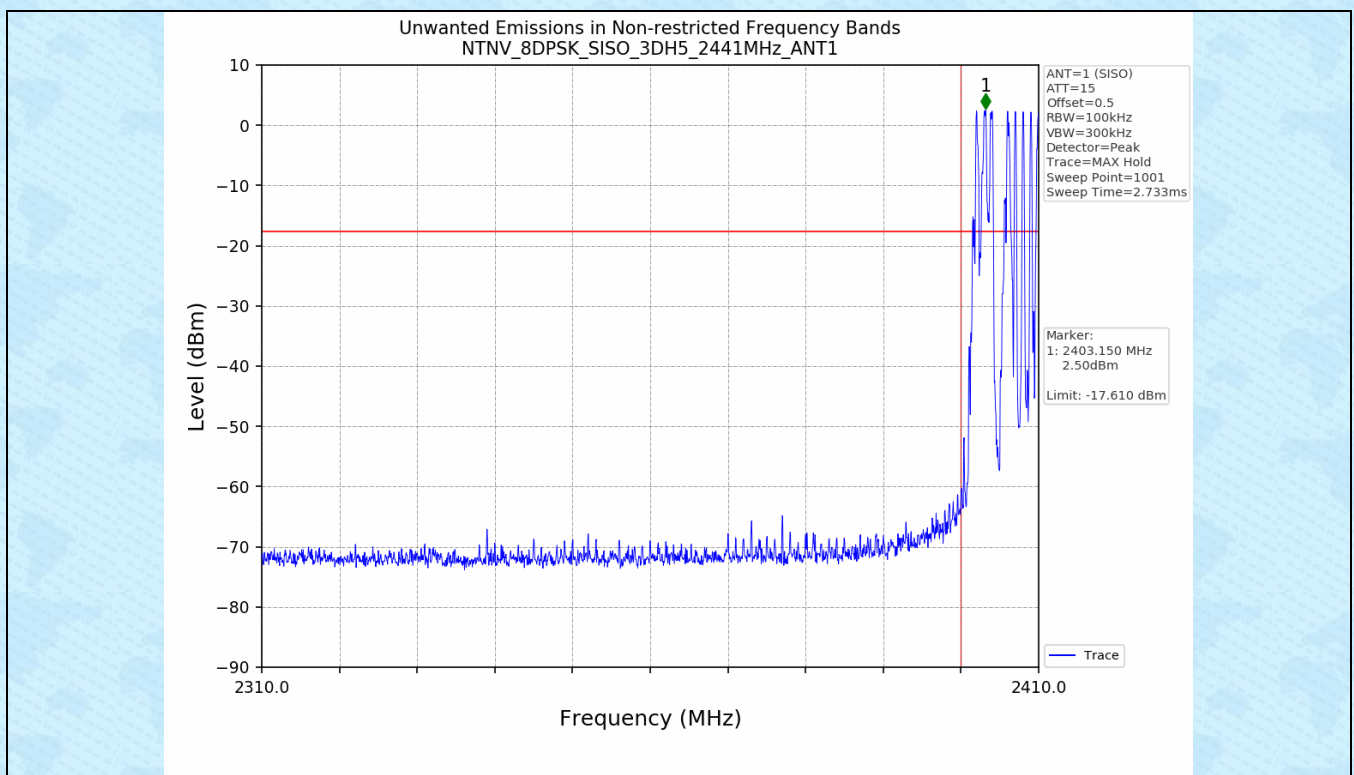
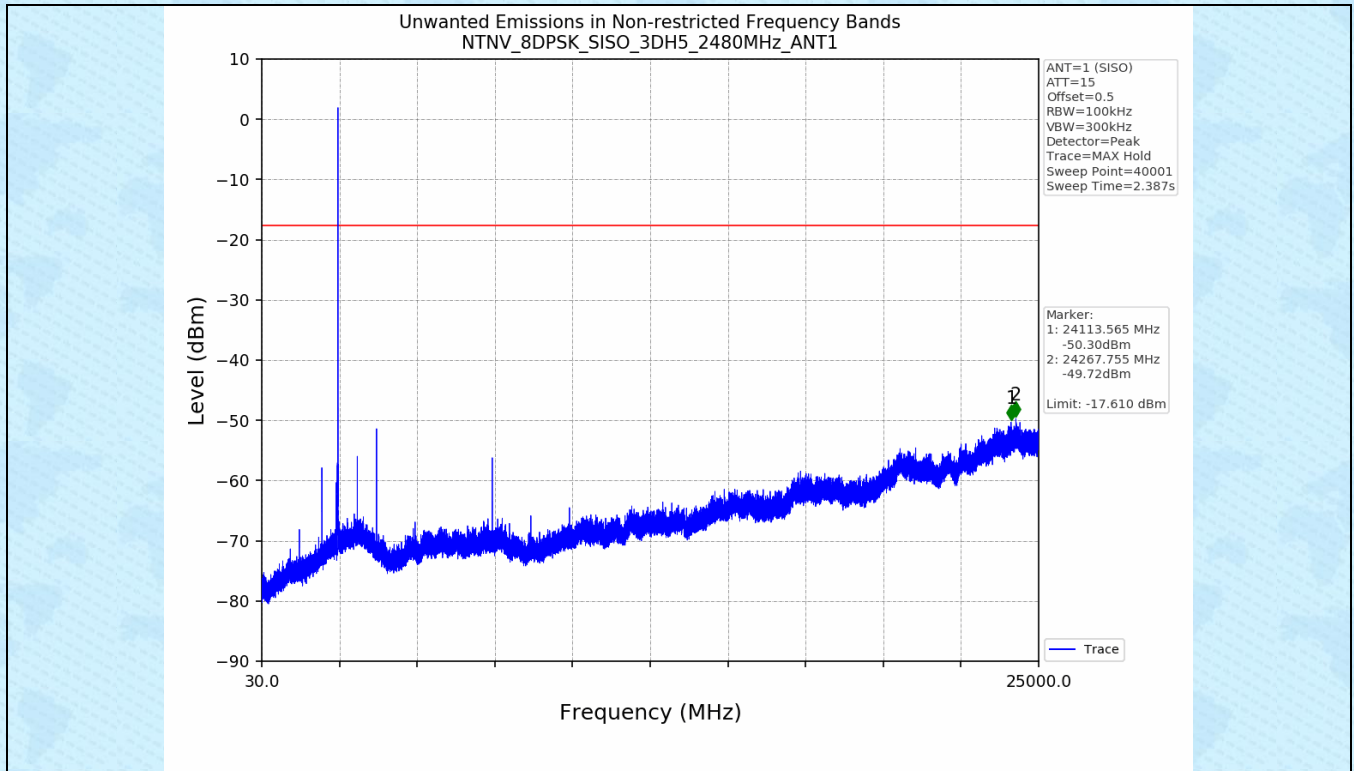


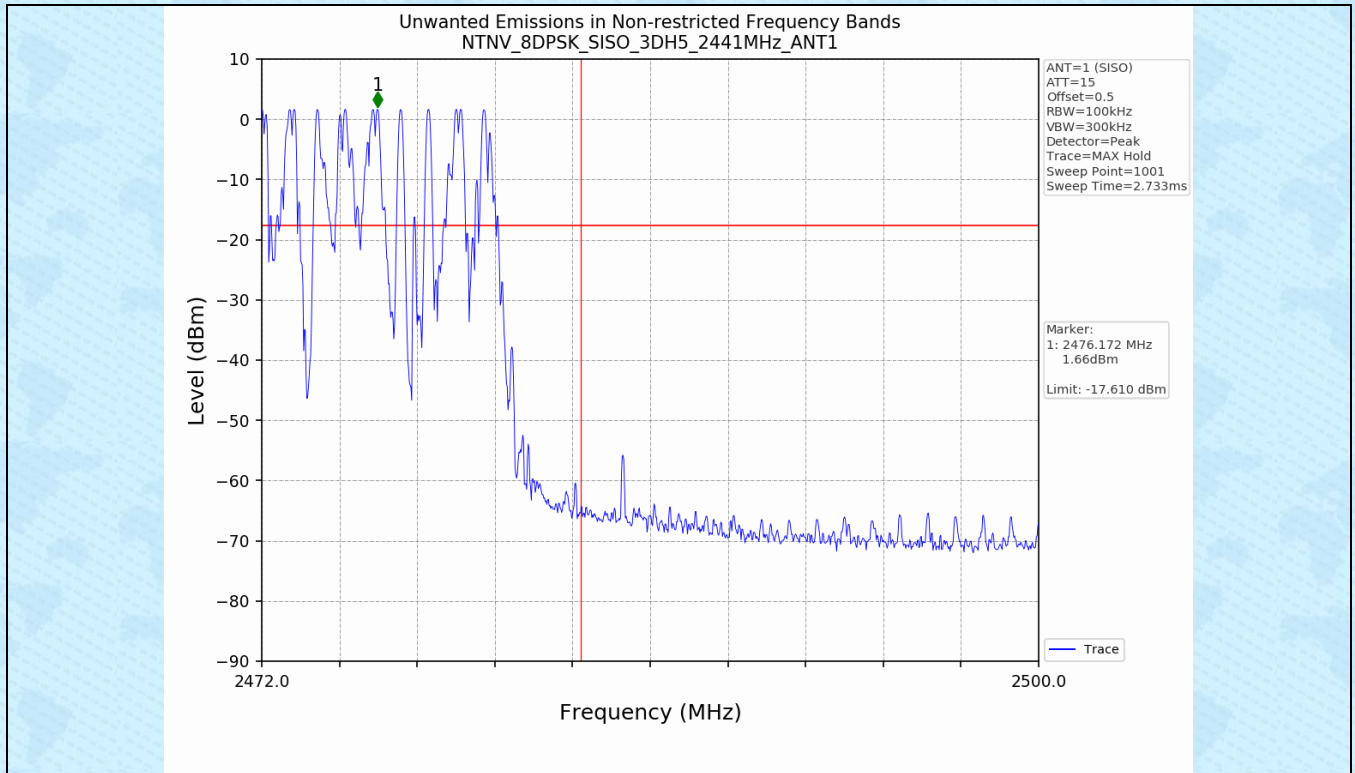












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