

Appendix for 15.247

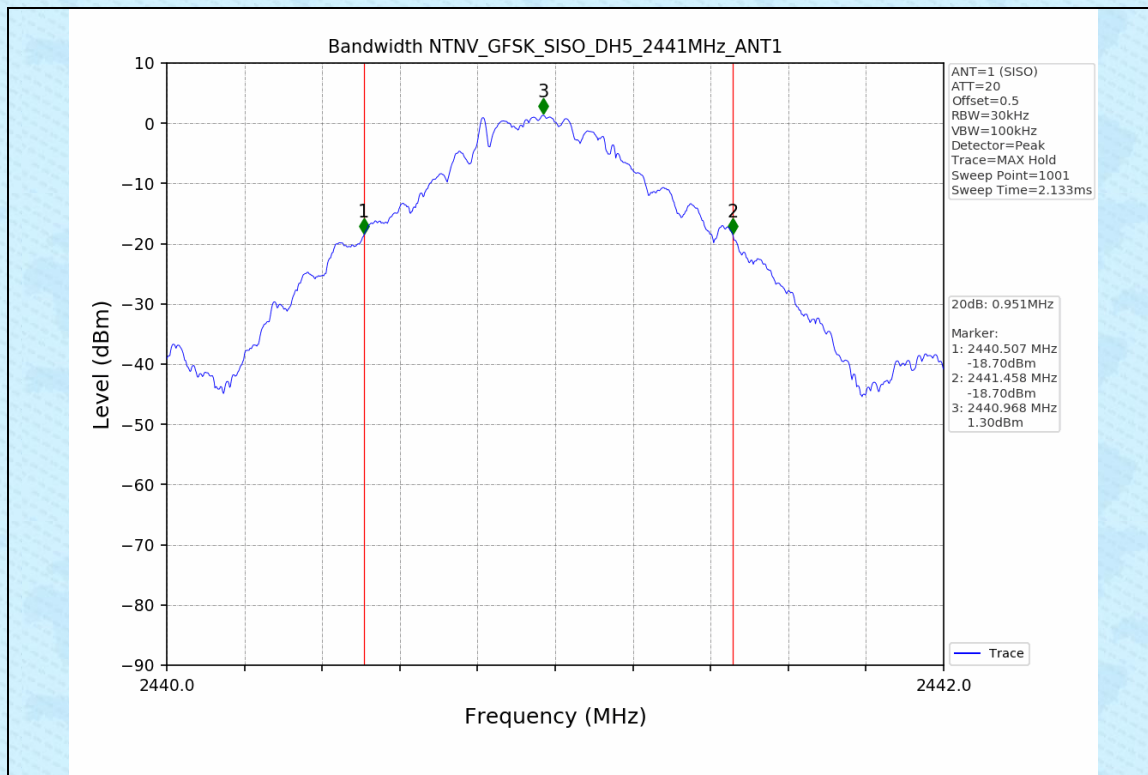
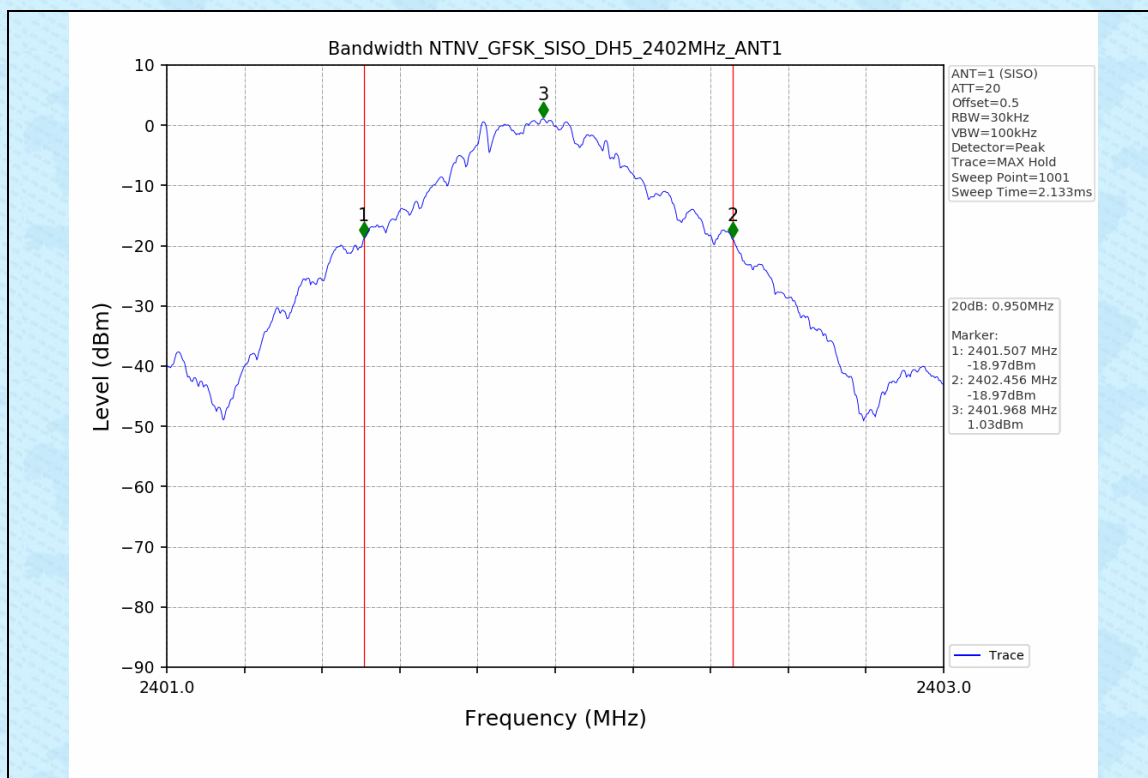
1. Bandwidth

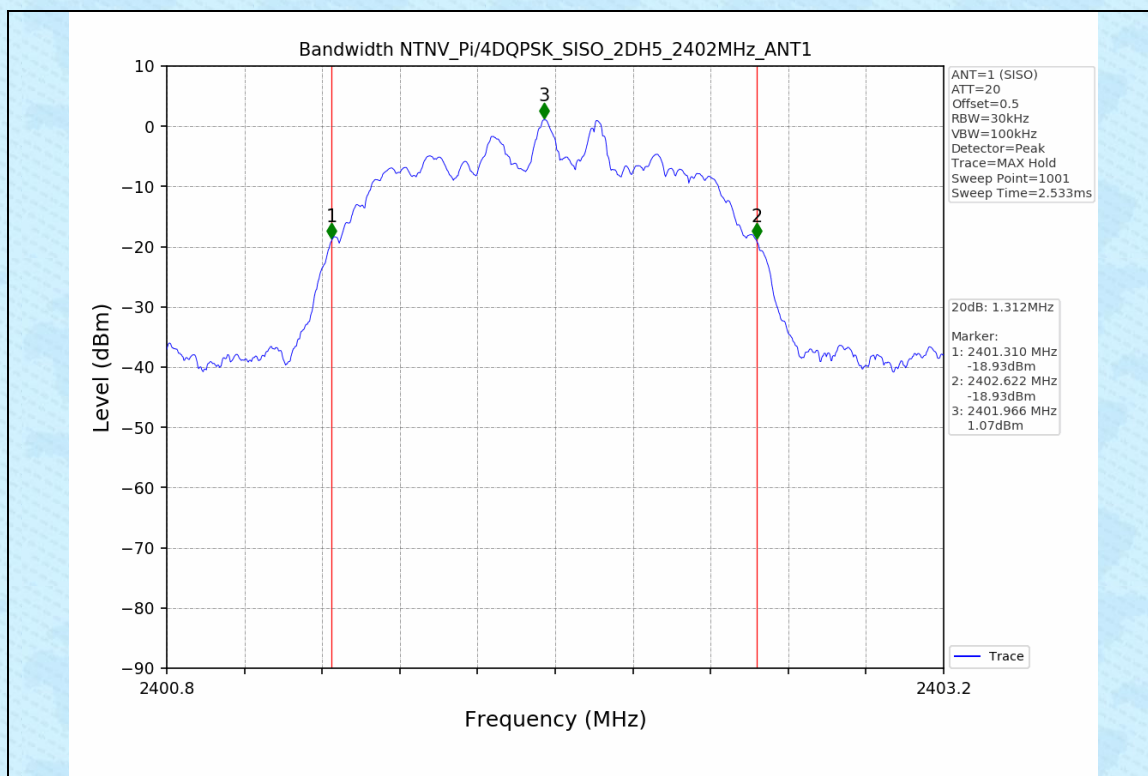
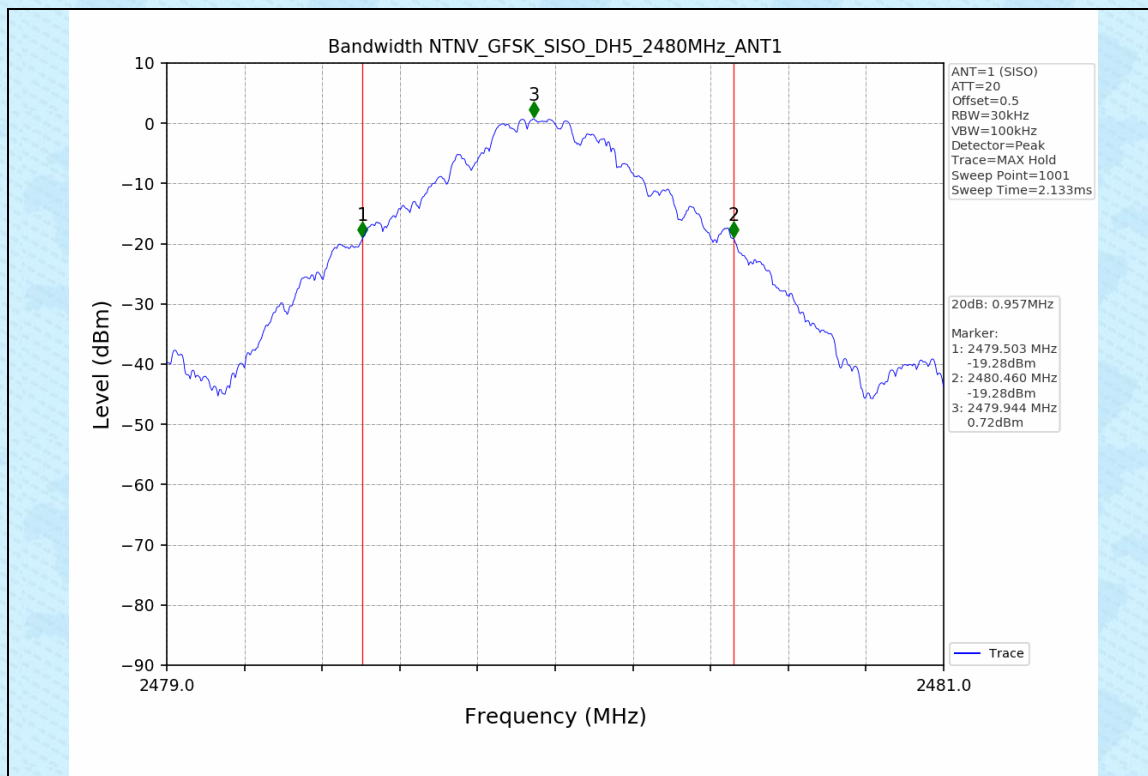
1.1 Test Result

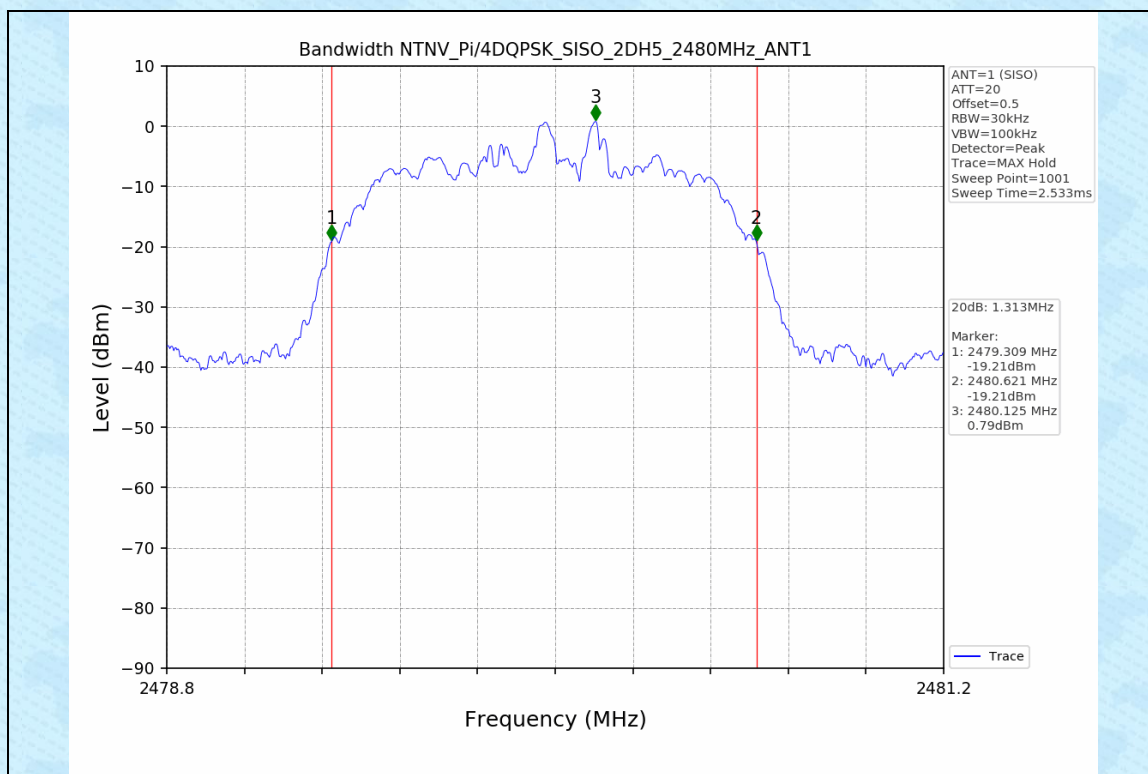
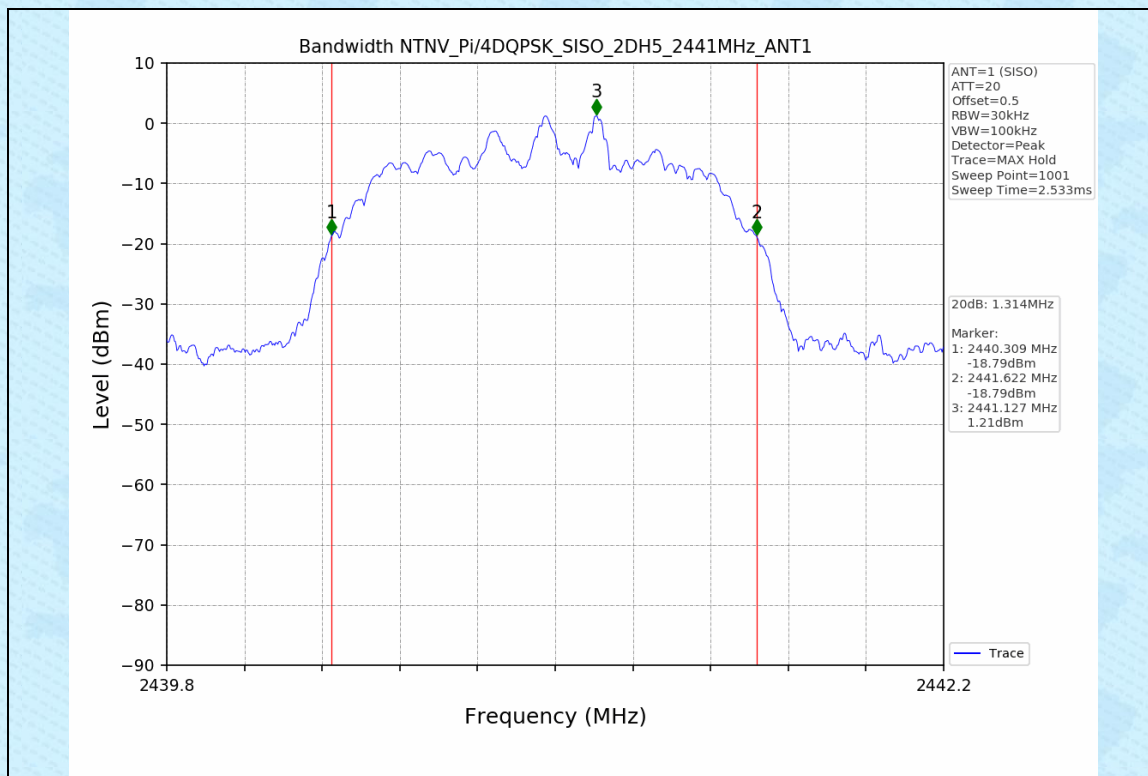
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	ANT1	0.950	PASS
	2441	SISO	ANT1	0.951	PASS
	2480	SISO	ANT1	0.957	PASS
$\pi/4$ -DQPSK	2402	SISO	ANT1	1.312	PASS
	2441	SISO	ANT1	1.314	PASS
	2480	SISO	ANT1	1.313	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	ANT1	0.851	Only for Report Use
	2441	SISO	ANT1	0.848	Only for Report Use
	2480	SISO	ANT1	0.844	Only for Report Use
$\pi/4$ -DQPSK	2402	SISO	ANT1	1.179	Only for Report Use
	2441	SISO	ANT1	1.188	Only for Report Use
	2480	SISO	ANT1	1.185	Only for Report Use

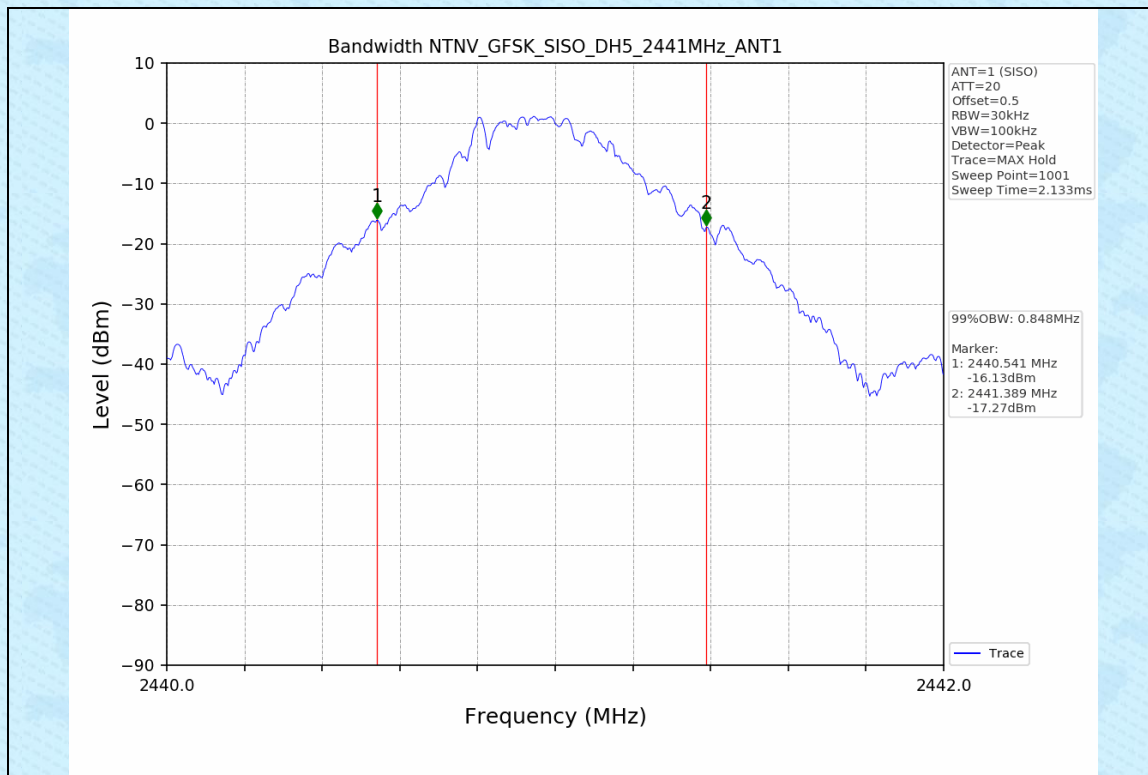
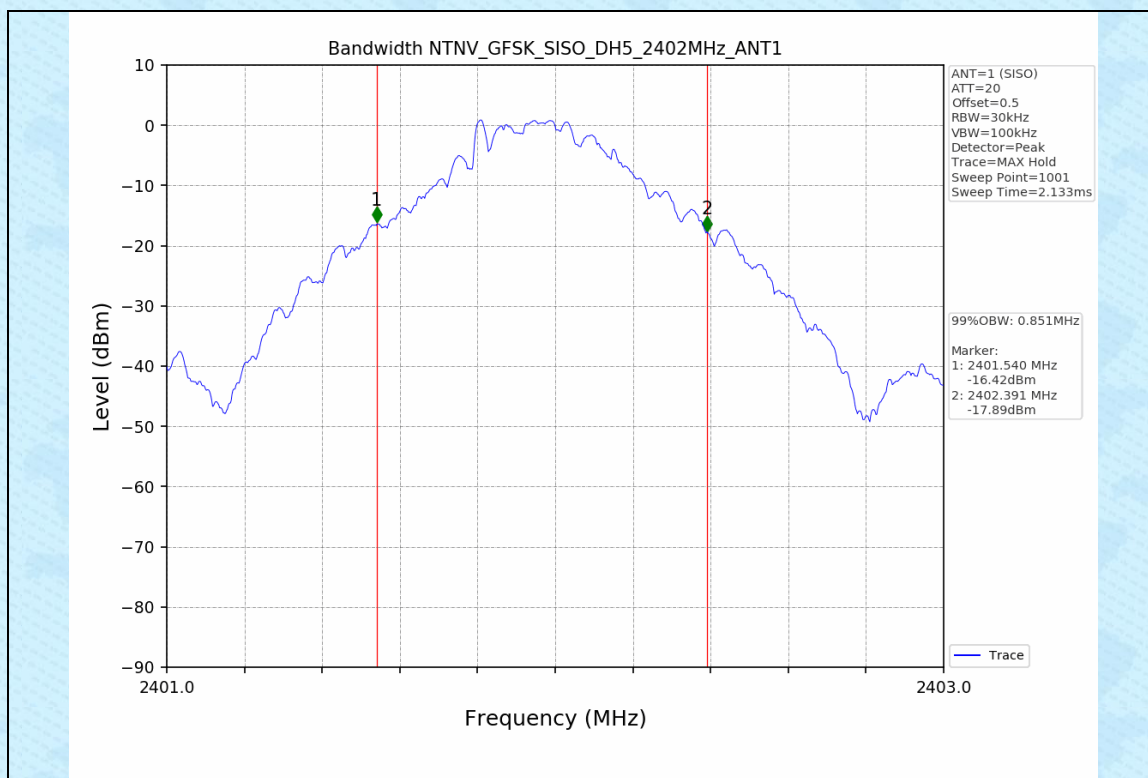
1.2 Test Graph - 20dB Bandwidth

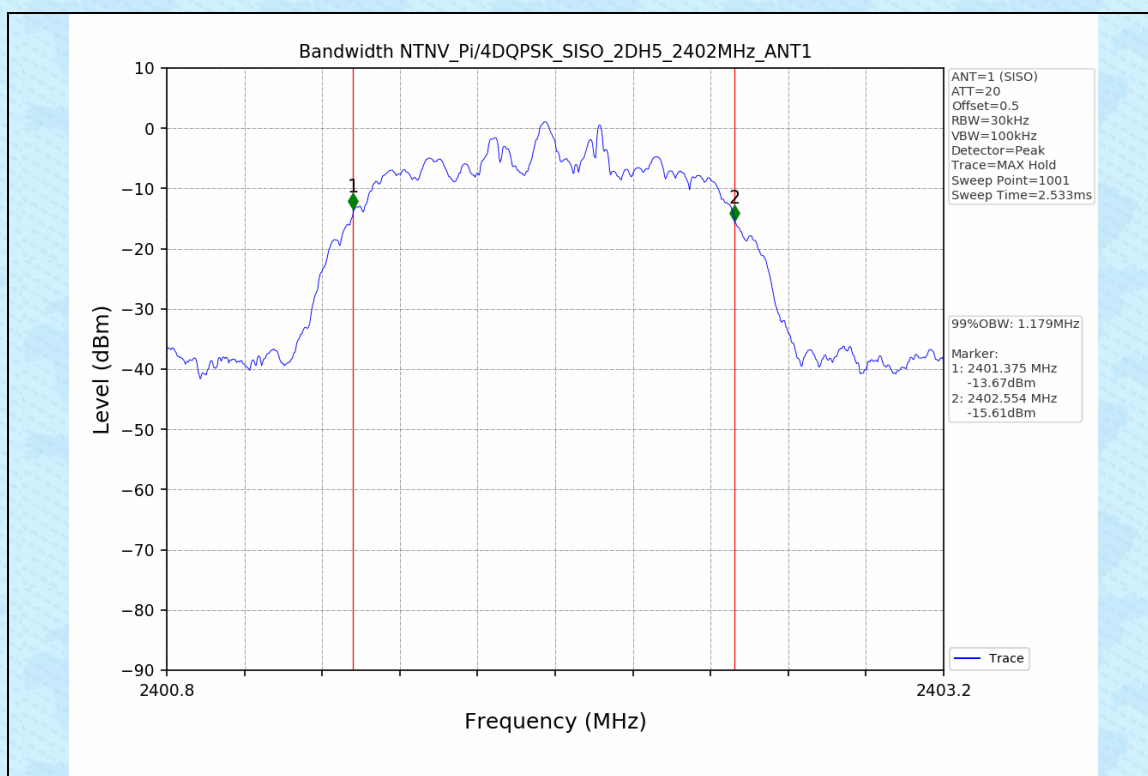
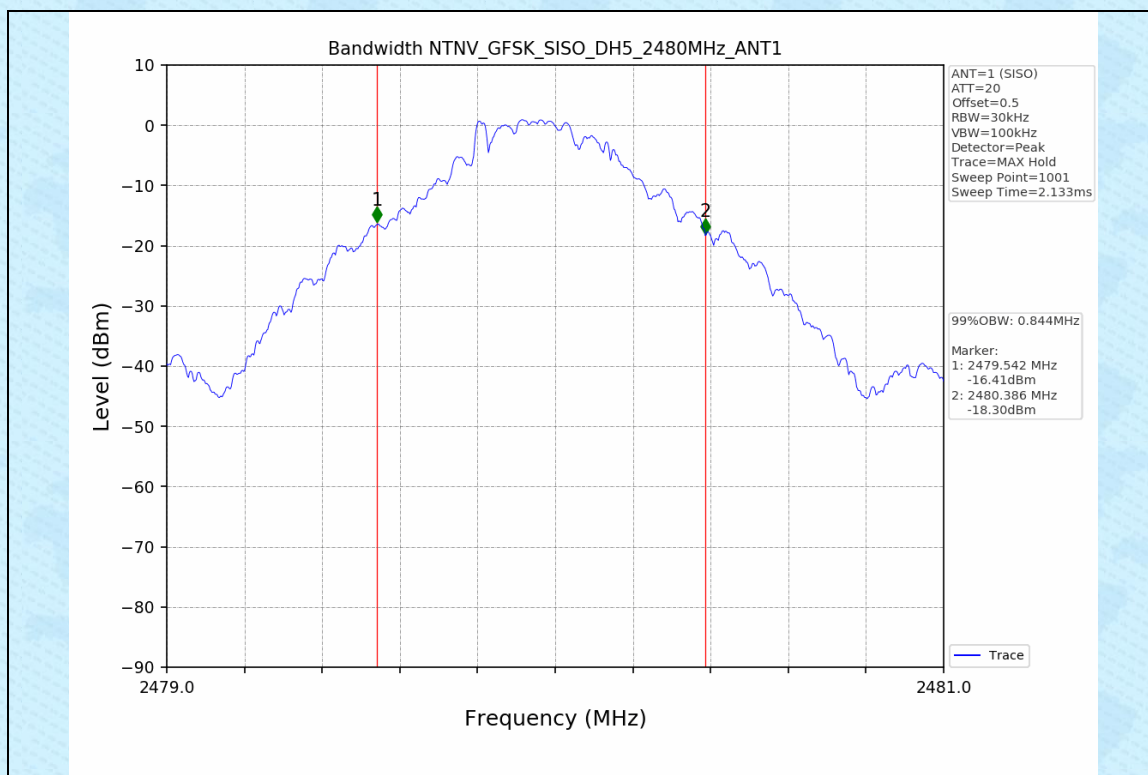


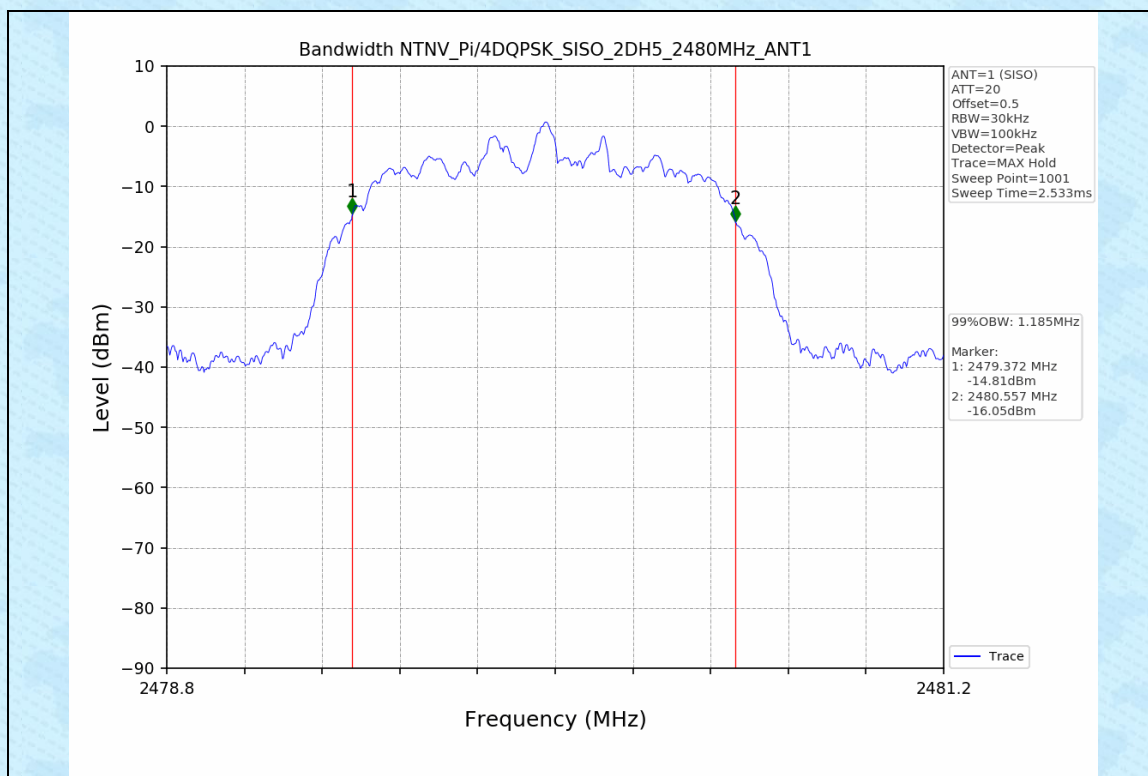
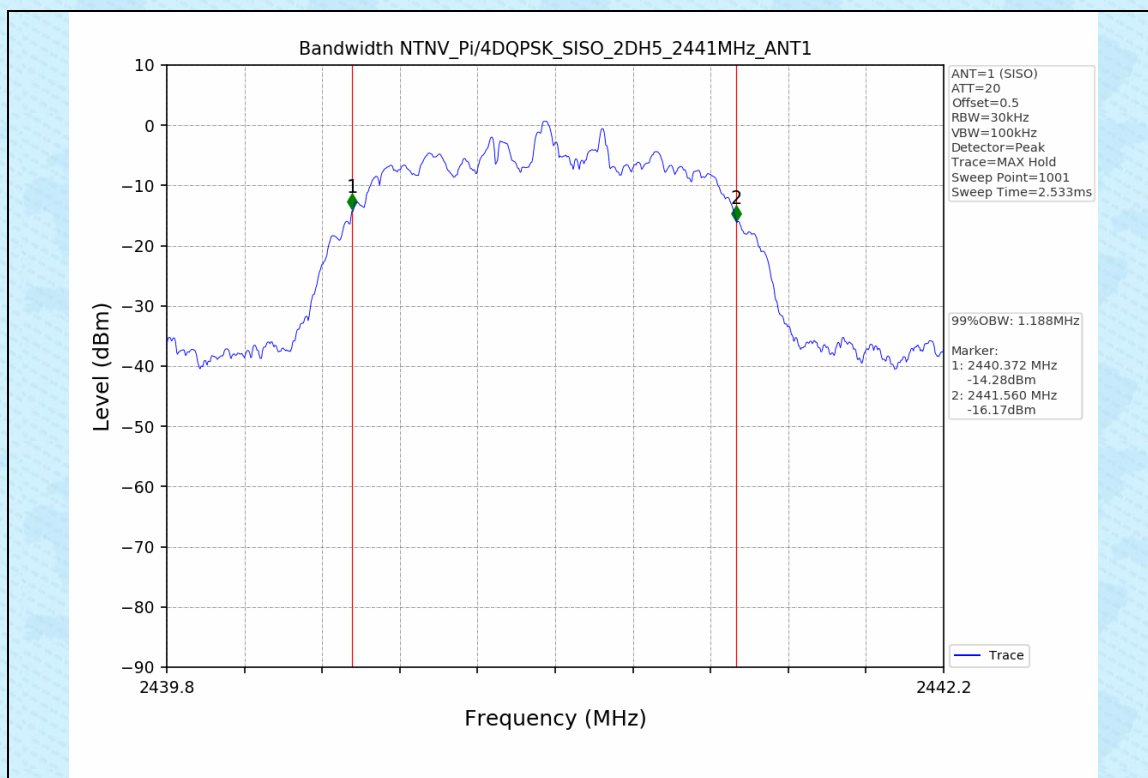




1.3 Test Graph - 99% Occupied Bandwidth





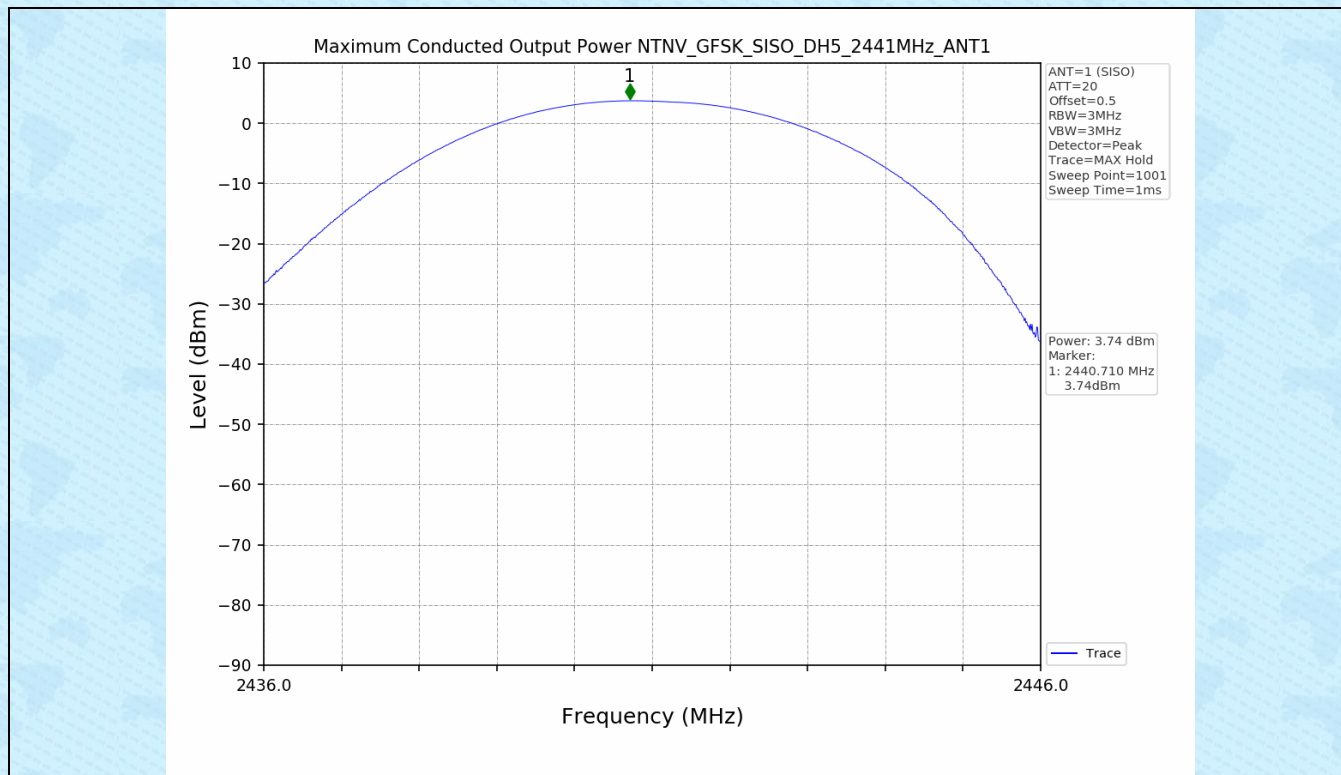
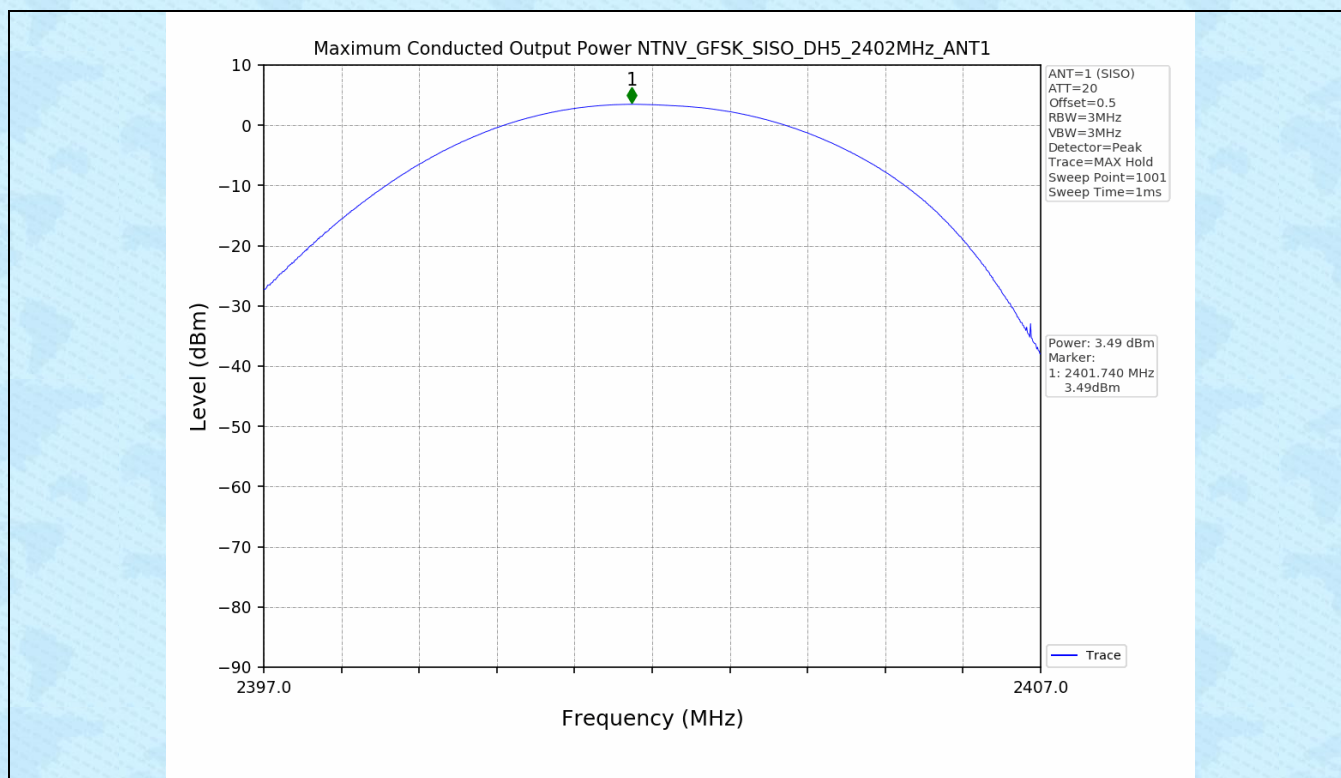


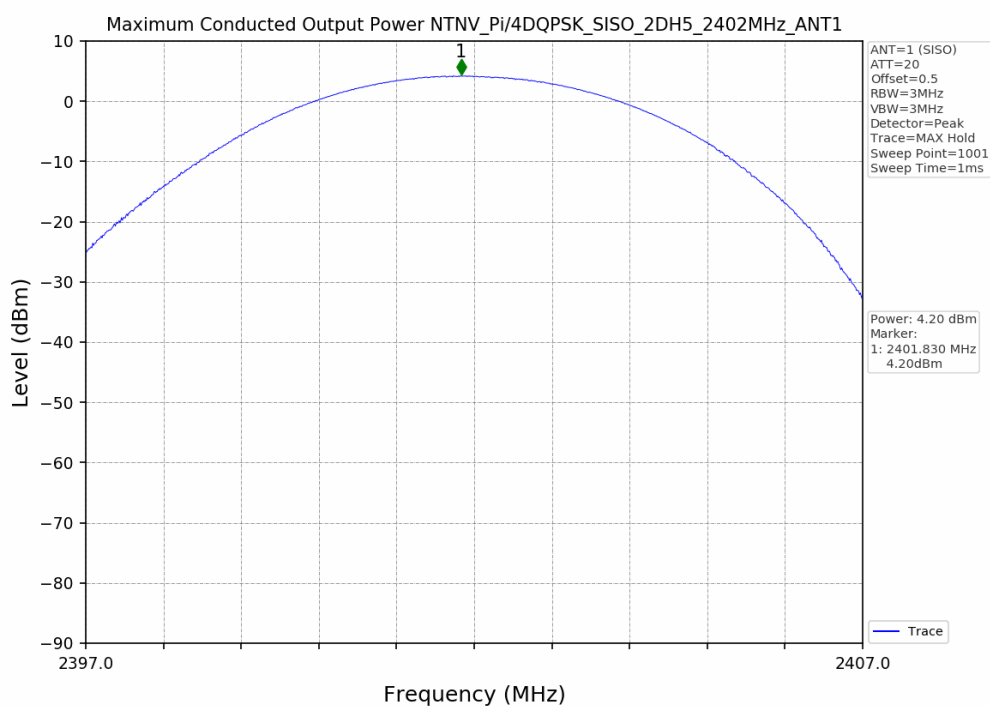
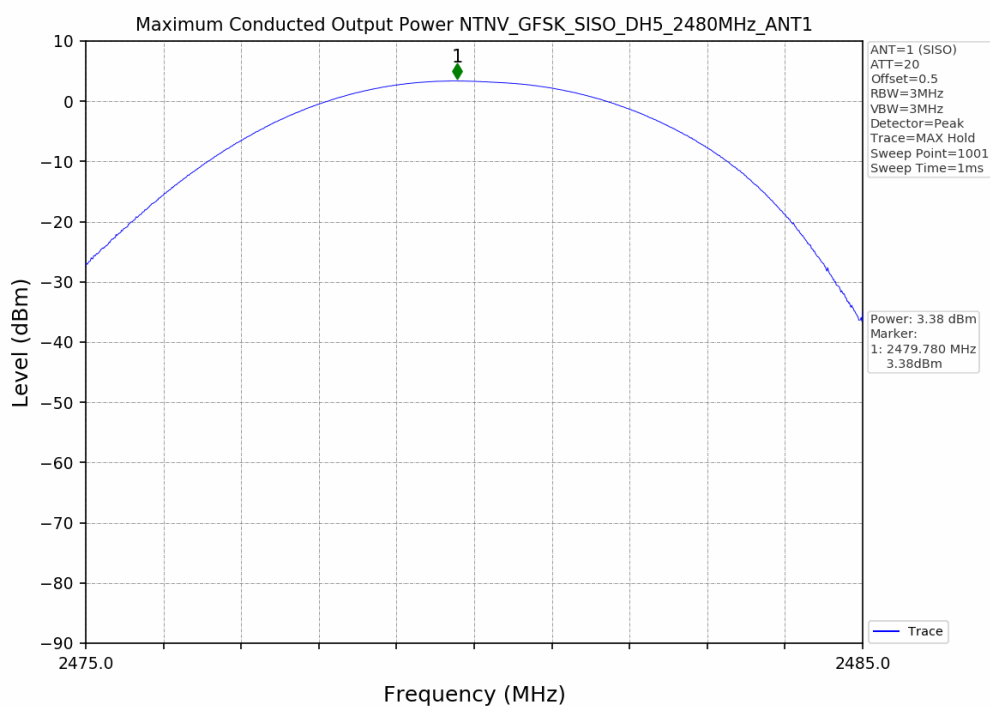
2. Maximum Conducted Output Power

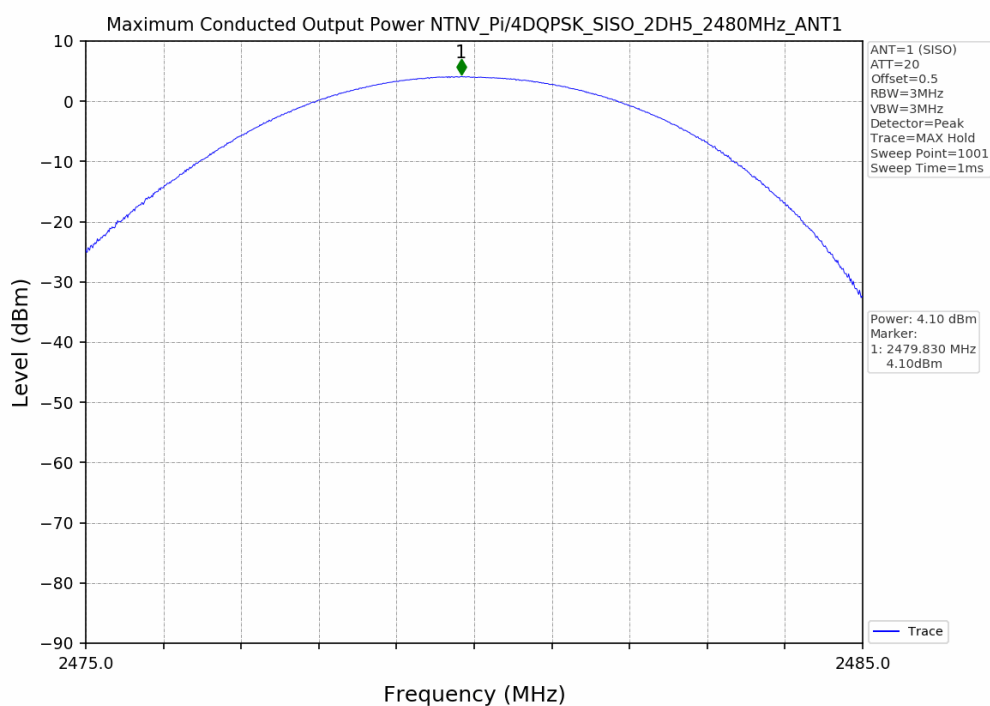
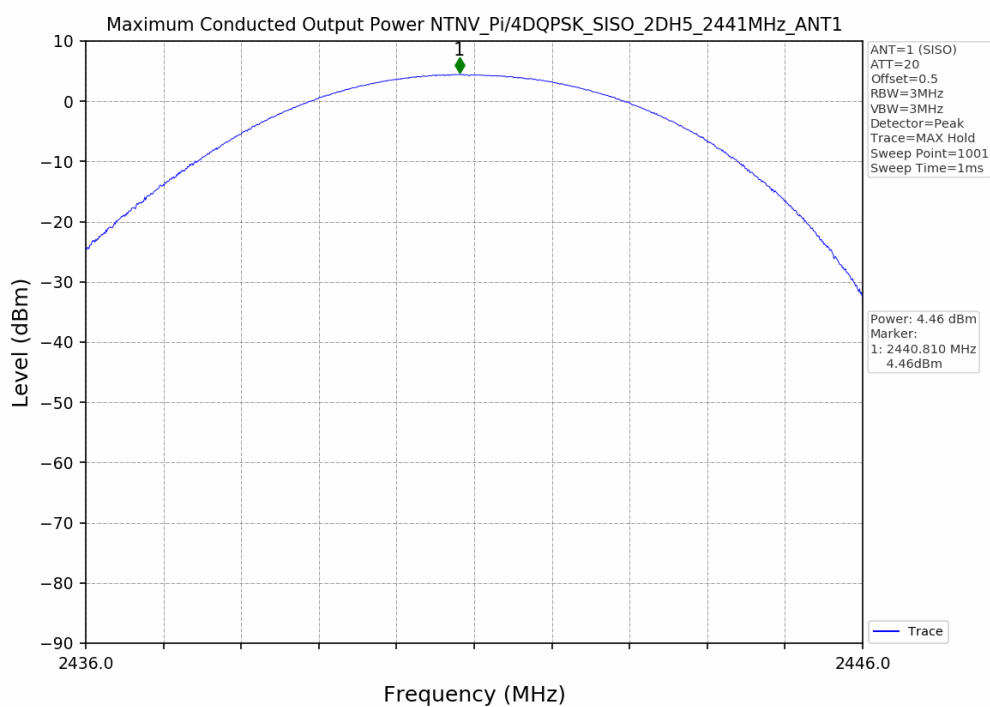
2.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	3.49	20.97	PASS
	2441	SISO	3.74	20.97	PASS
	2480	SISO	3.38	20.97	PASS
$\pi/4$ -DQPSK	2402	SISO	4.20	20.97	PASS
	2441	SISO	4.46	20.97	PASS
	2480	SISO	4.10	20.97	PASS

2.2 Test Graph





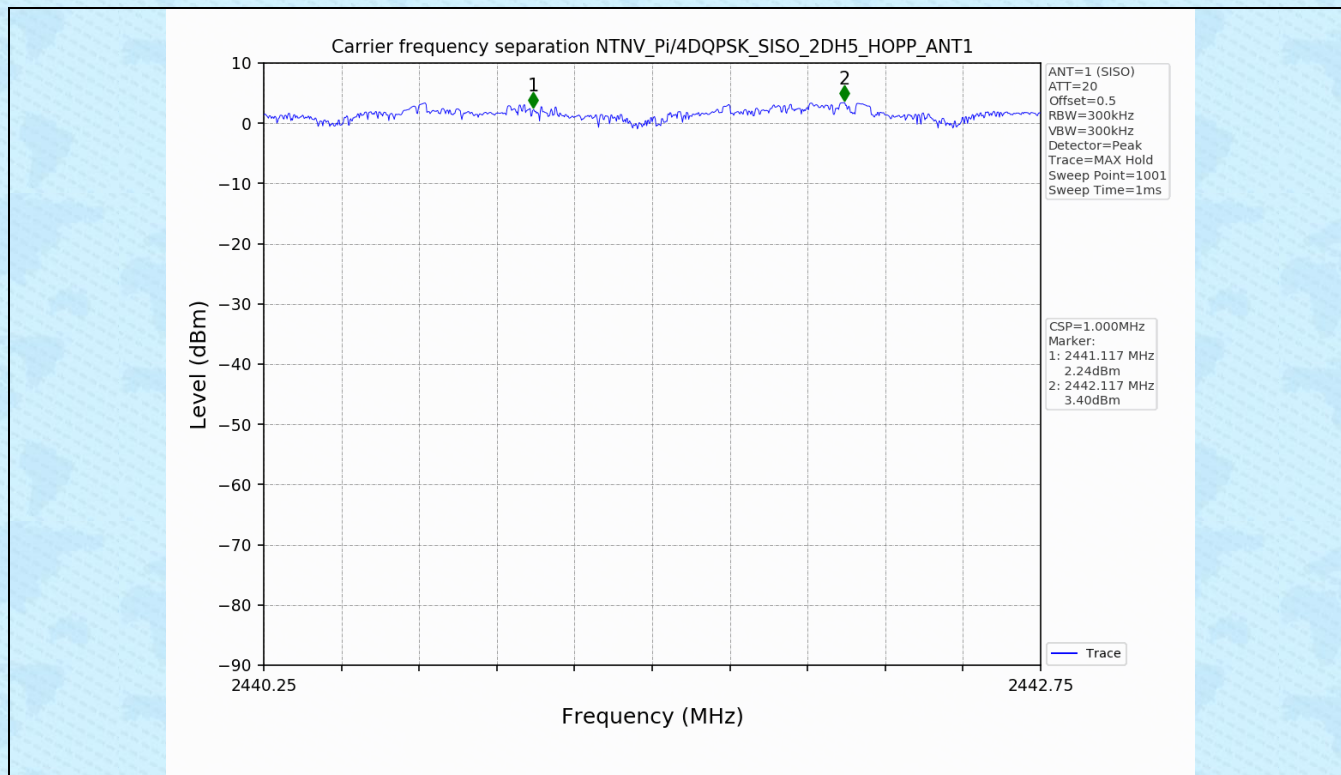
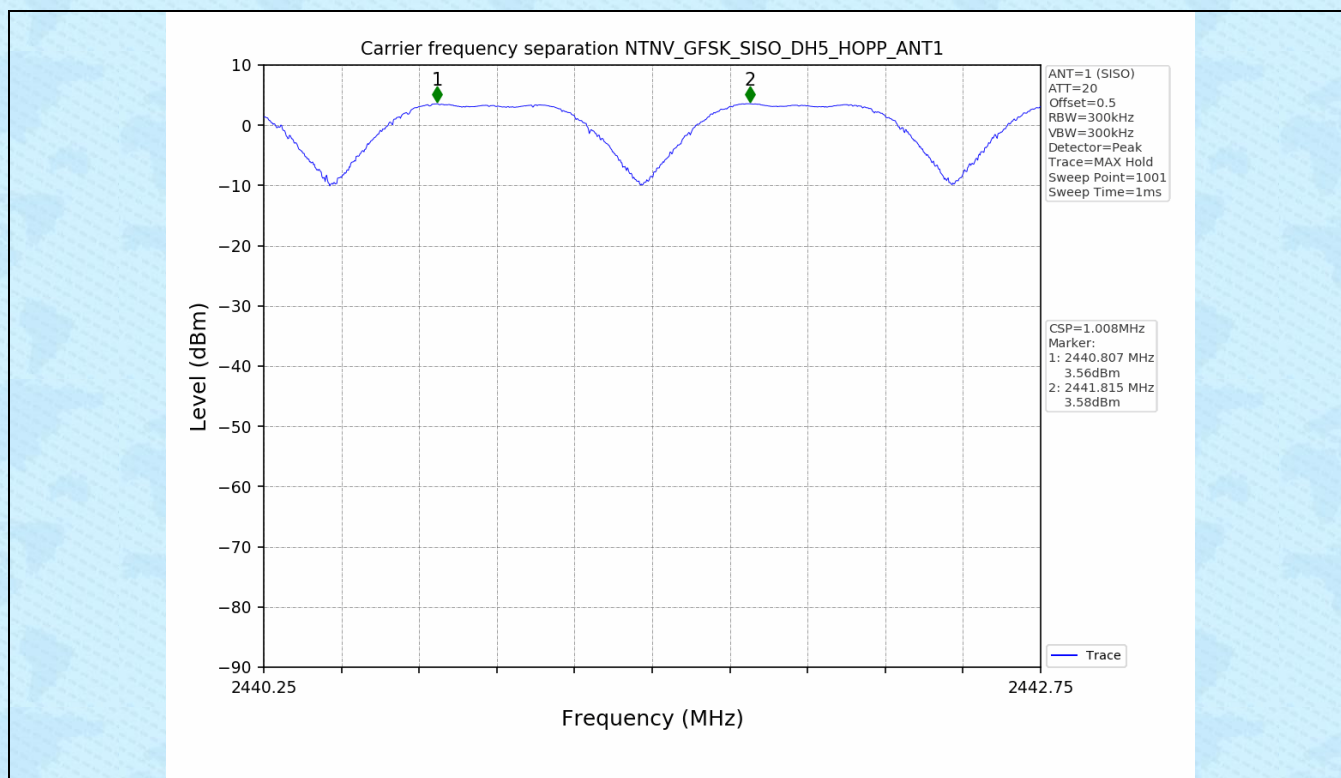


3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	ANT1	1.008	1.000	≥ 1.000	PASS
$\pi/4$ -DQPSK	SISO	ANT1	1.000	1.200	≥ 0.800	PASS

3.2 Test Graph

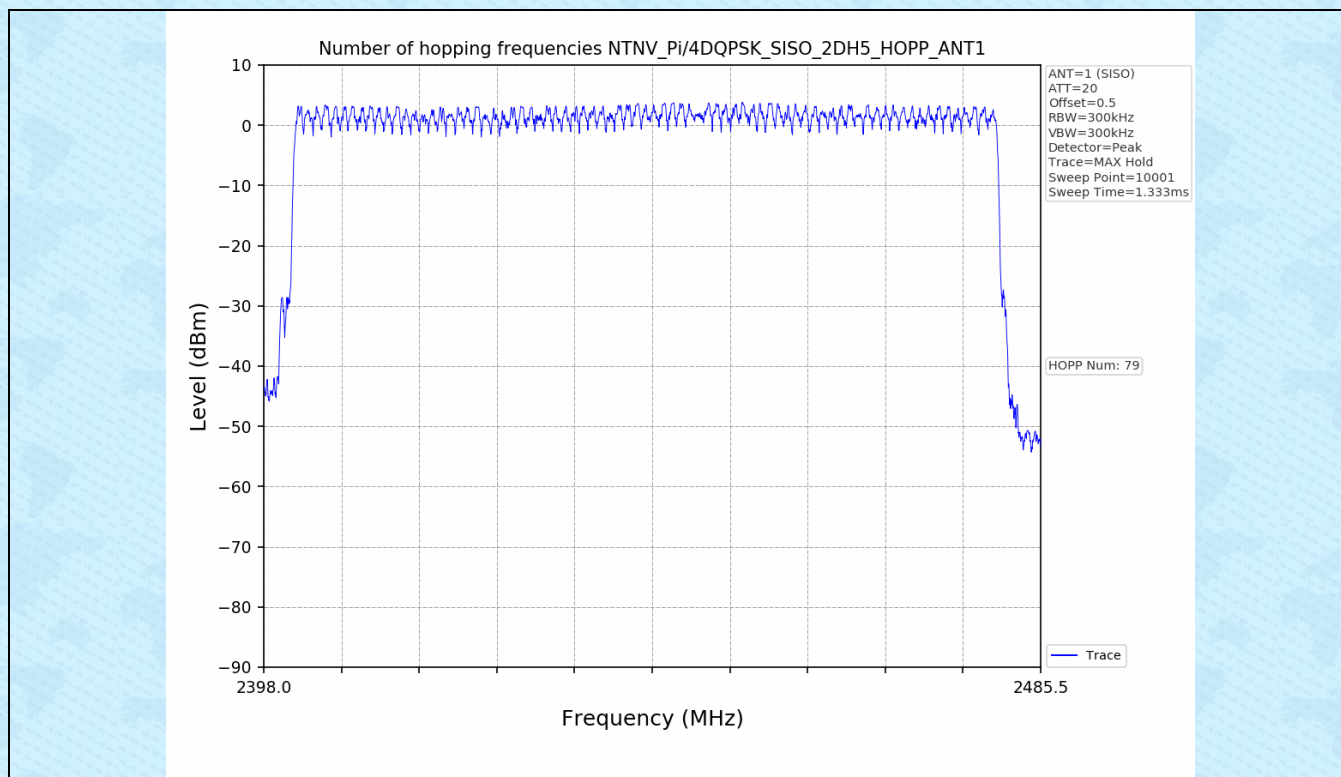
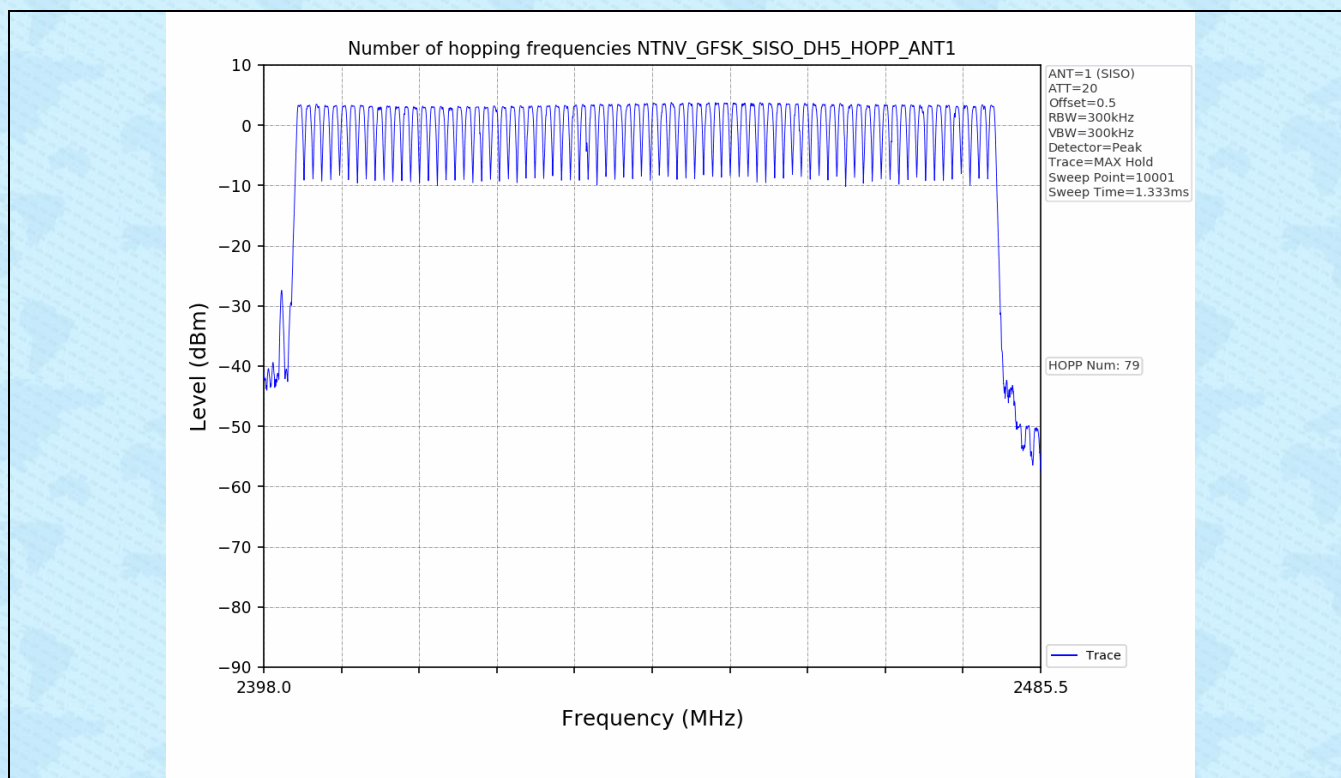


4. Number of hopping frequencies

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

4.2 Test Graph

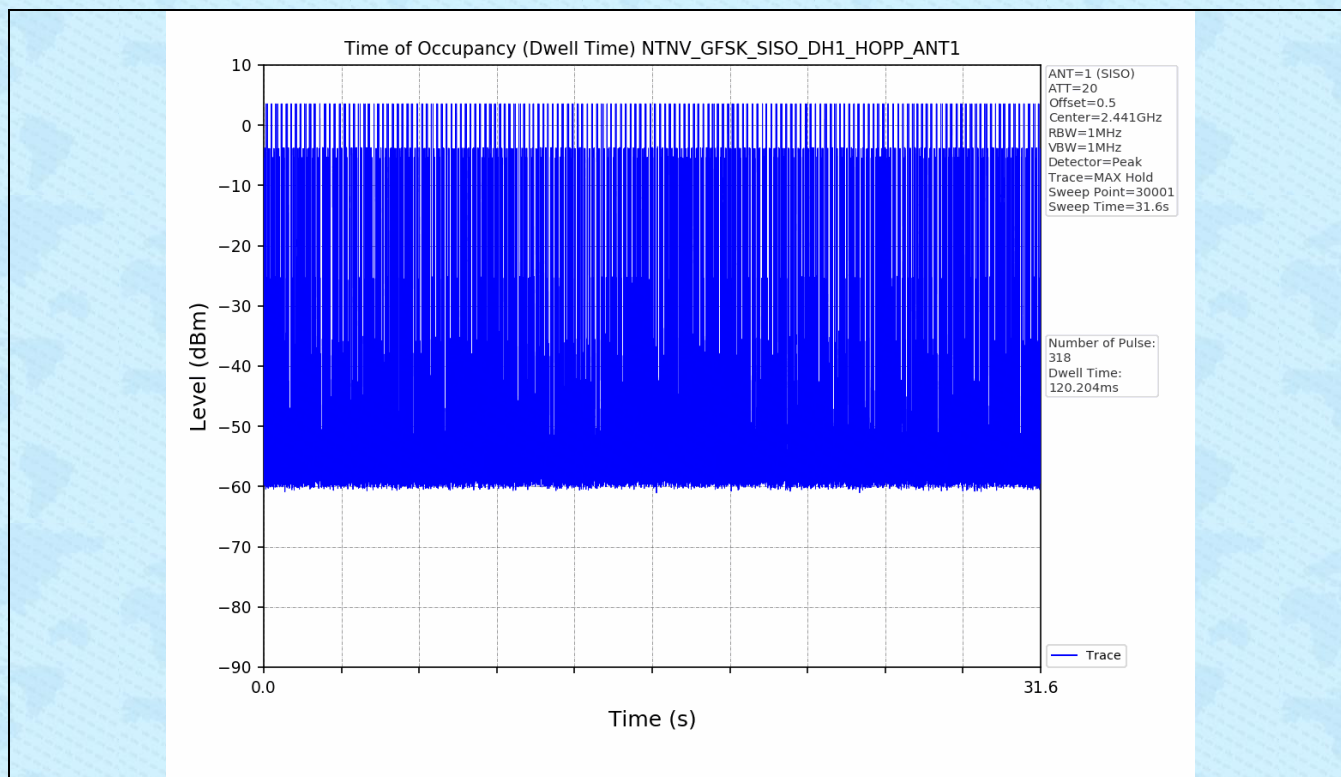
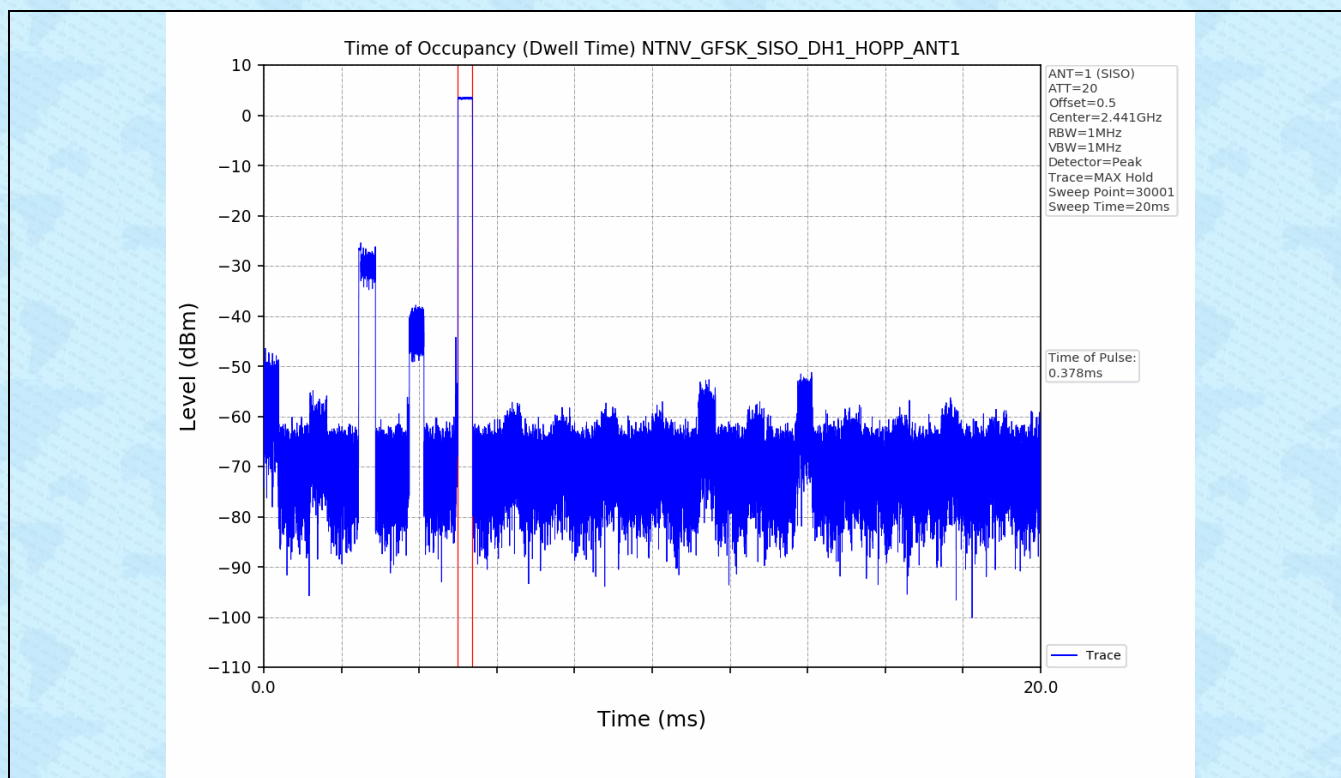


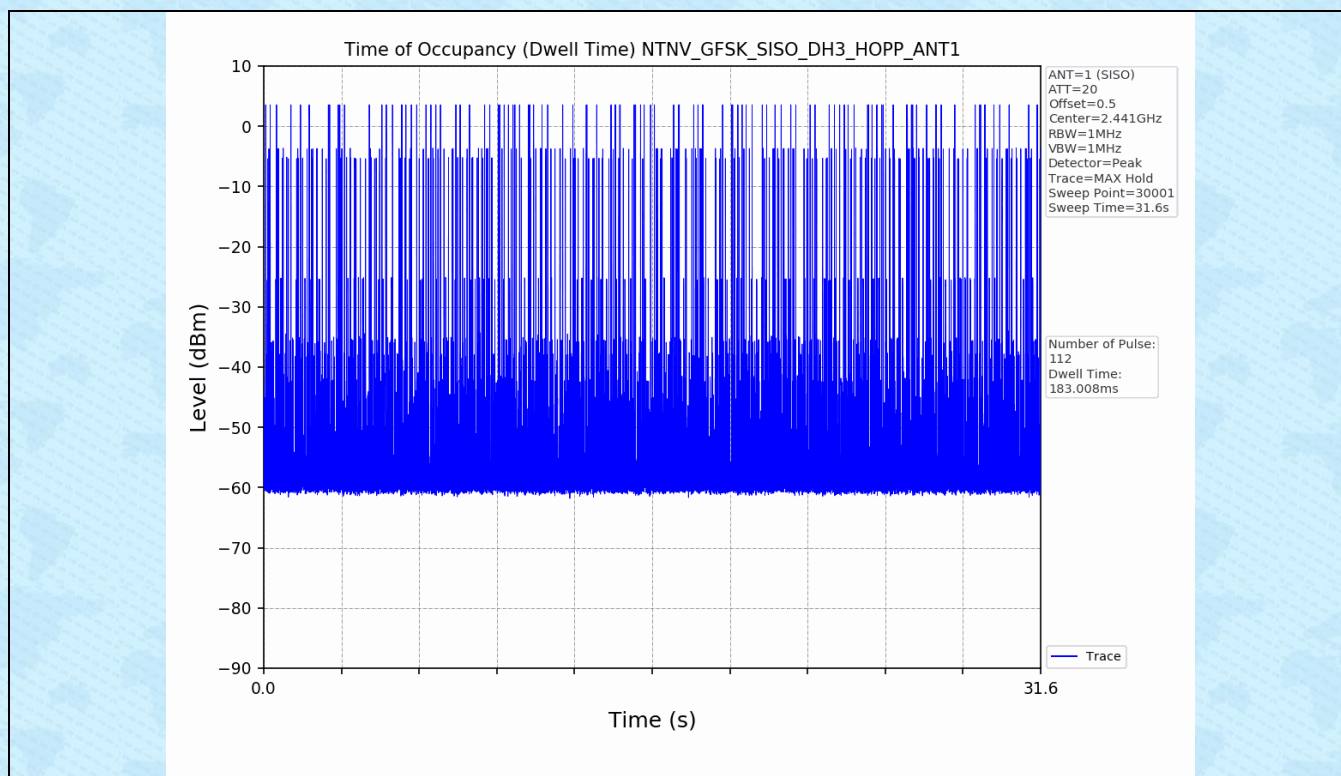
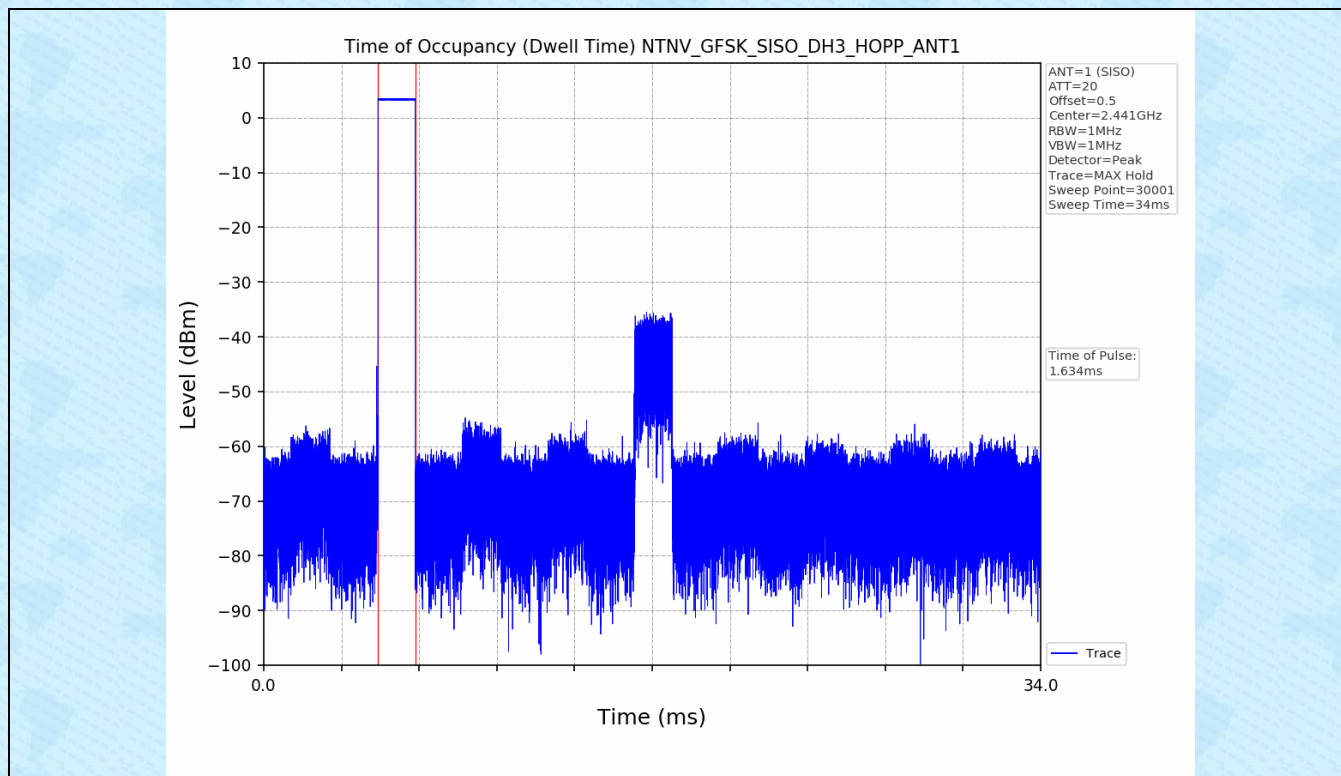
5. Time of Occupancy (Dwell Time)

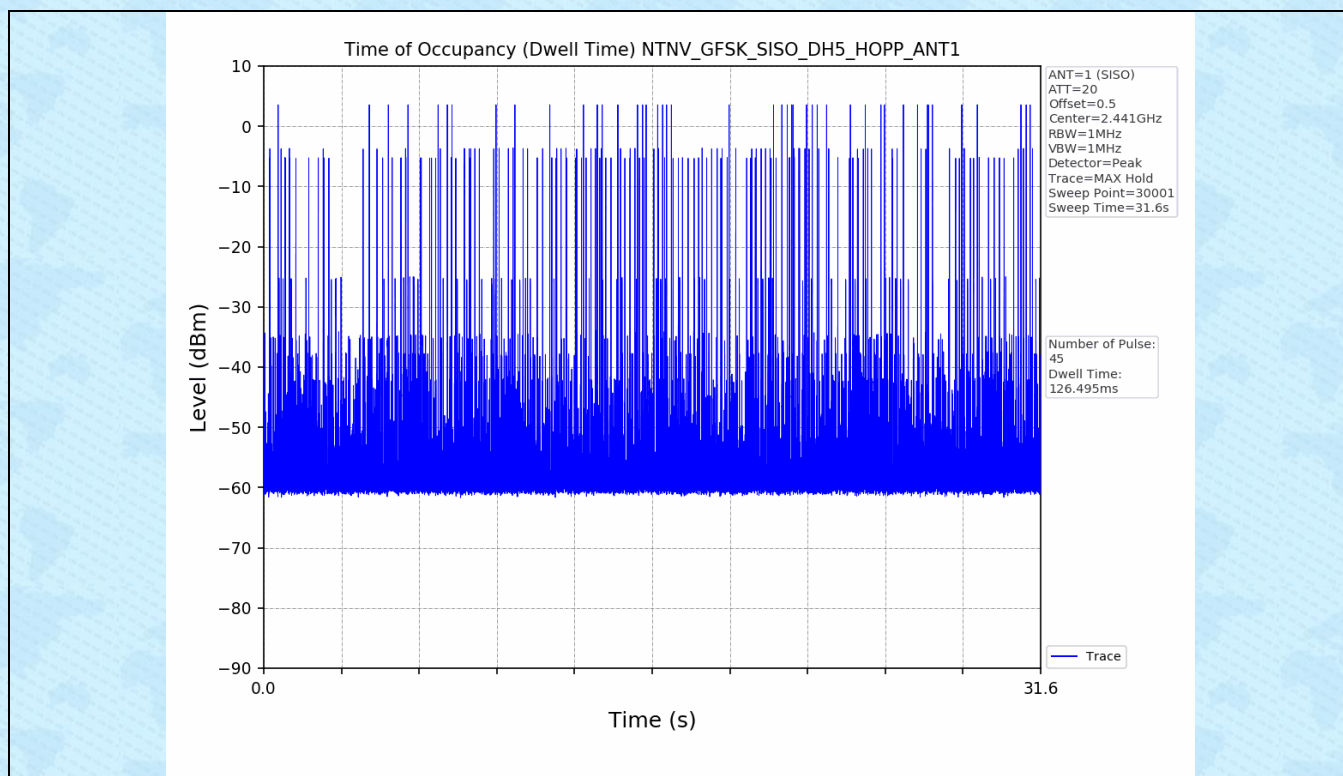
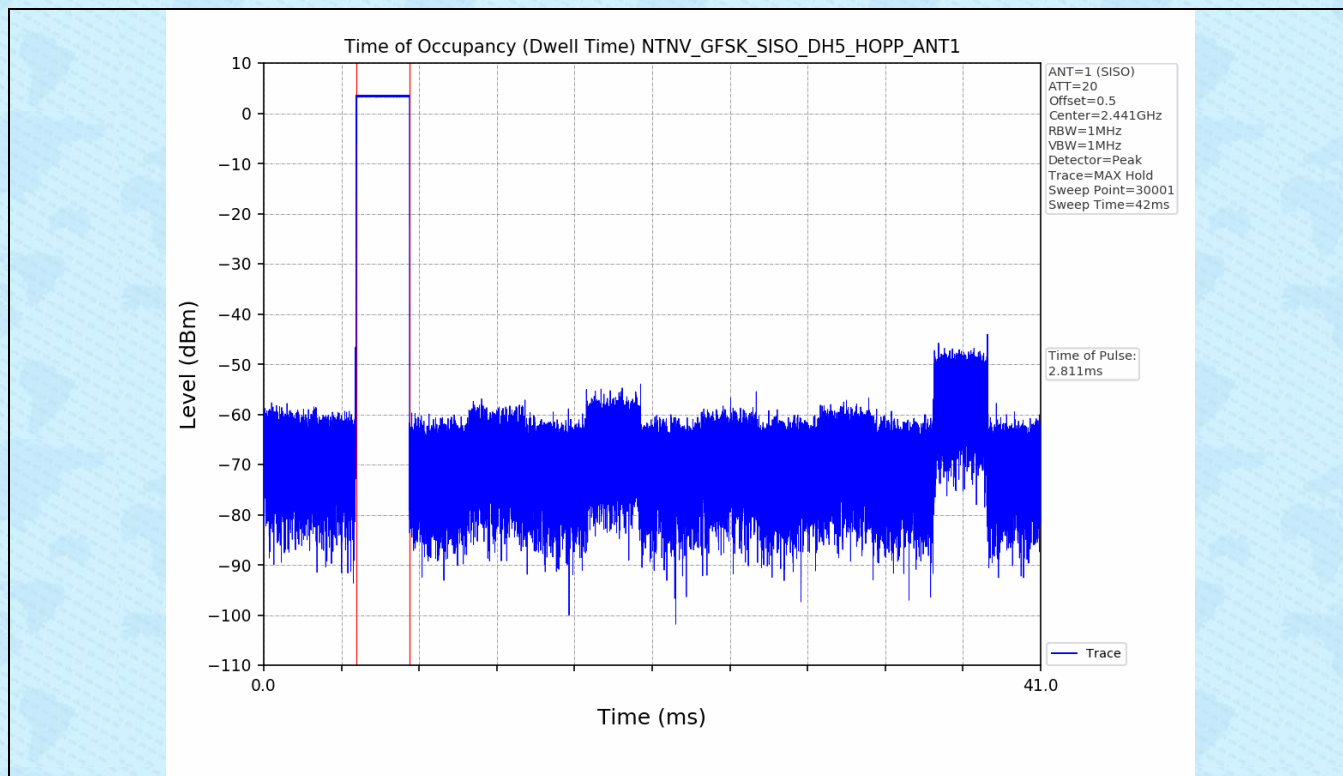
5.1 Test Result

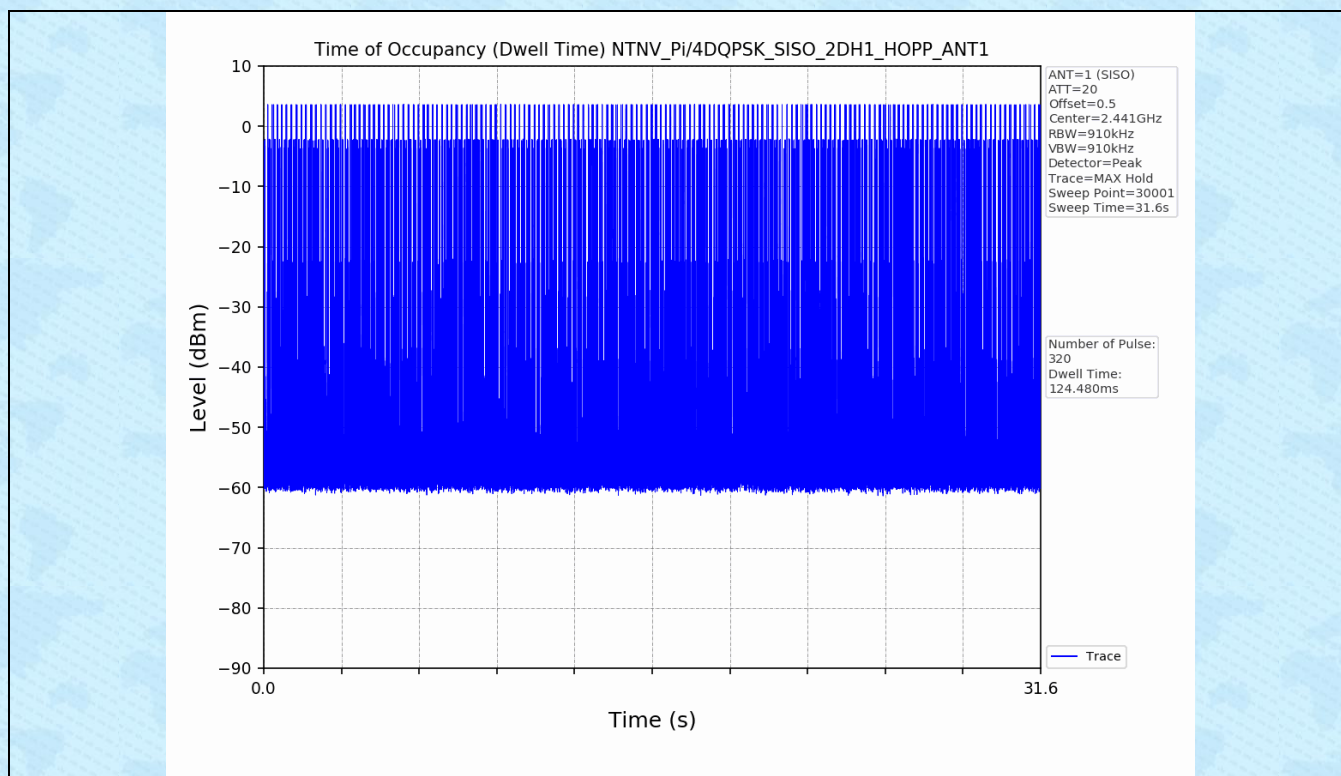
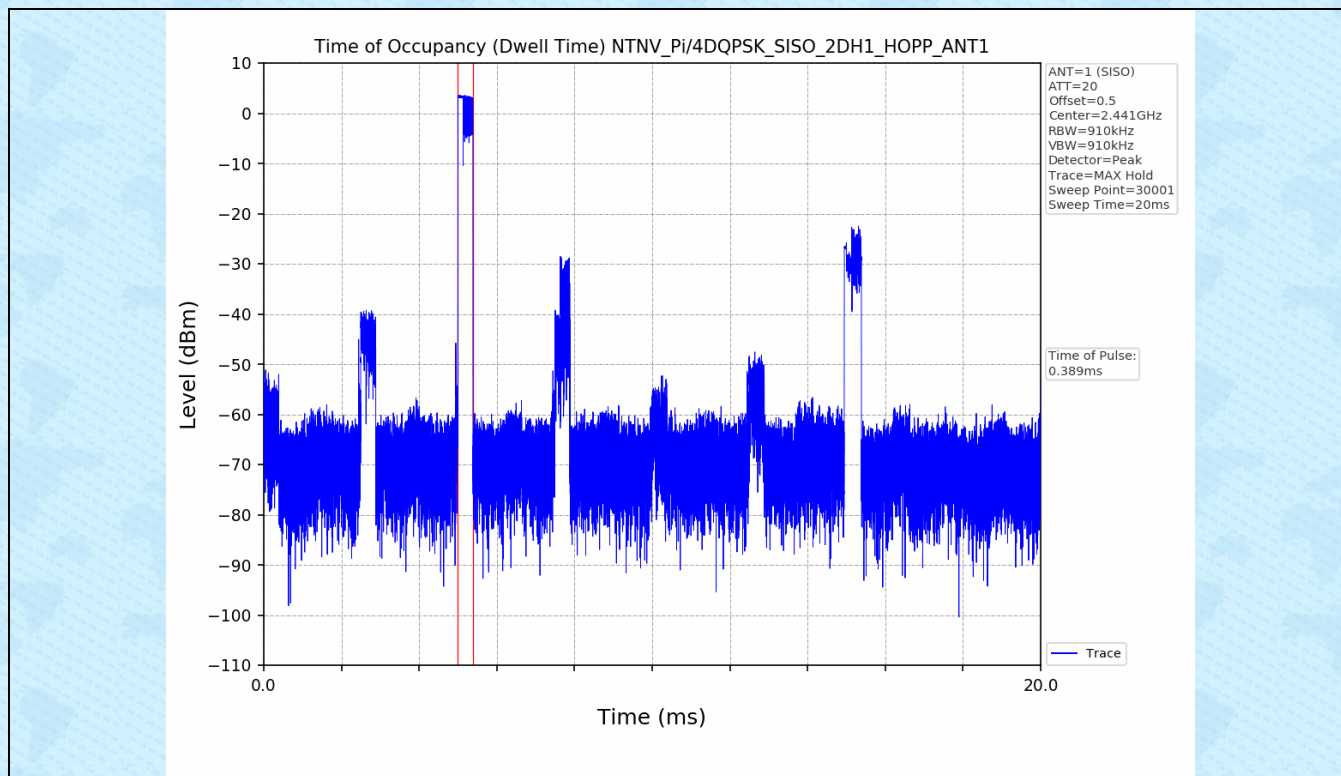
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	ANT1	0.378	31.6	318	120.204	≤400	PASS
	DH3	SISO	ANT1	1.634	31.6	112	183.008	≤400	PASS
	DH5	SISO	ANT1	2.811	31.6	45	126.495	≤400	PASS
π/4-DQPSK	2DH1	SISO	ANT1	0.389	31.6	320	124.480	≤400	PASS
	2DH3	SISO	ANT1	1.640	31.6	104	170.560	≤400	PASS
	2DH5	SISO	ANT1	2.888	31.6	67	193.496	≤400	PASS

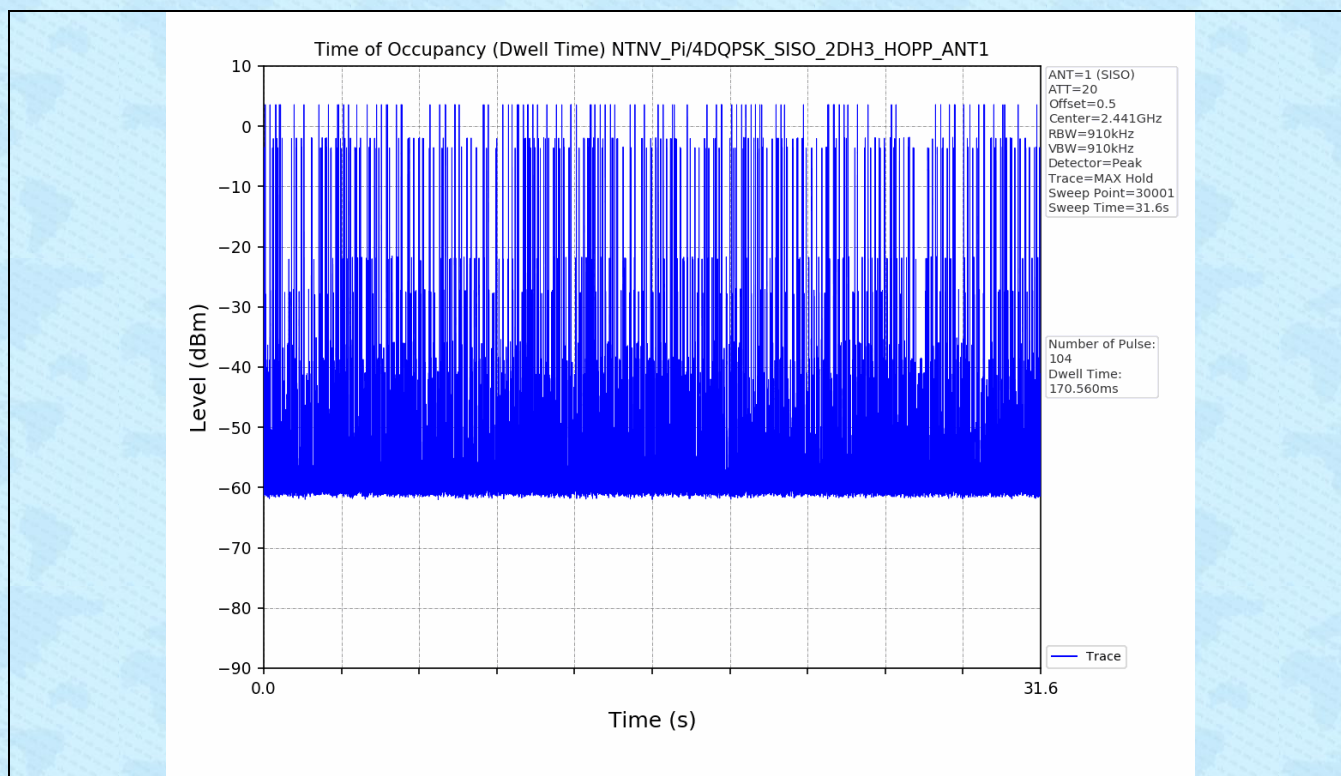
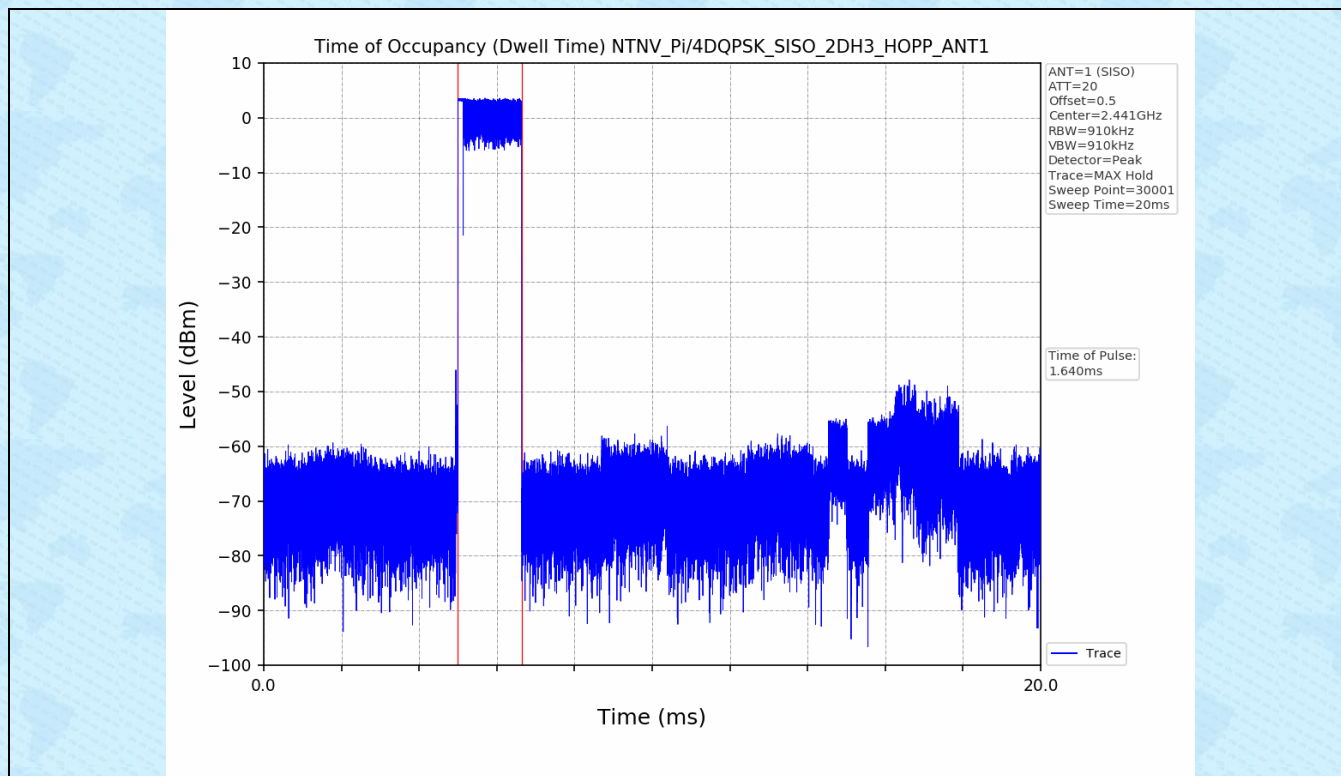
5.2 Test Graph

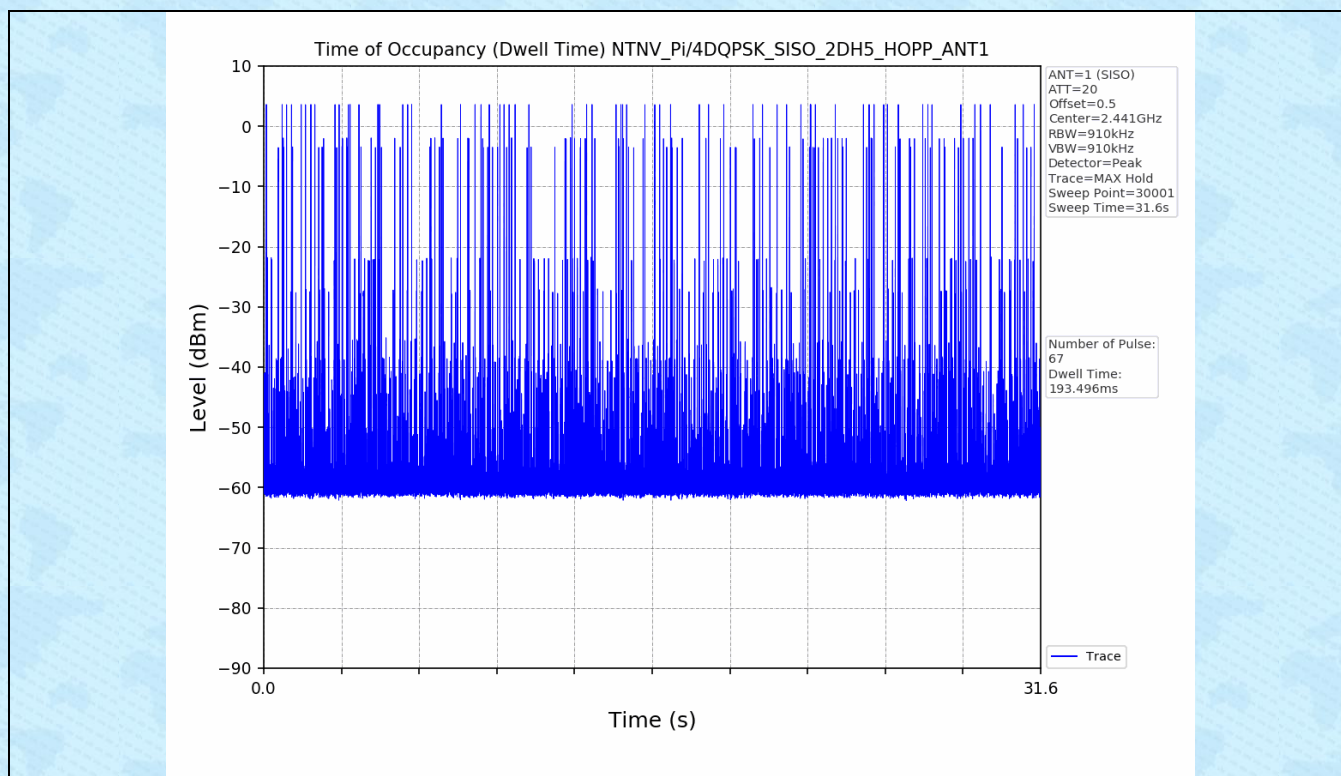
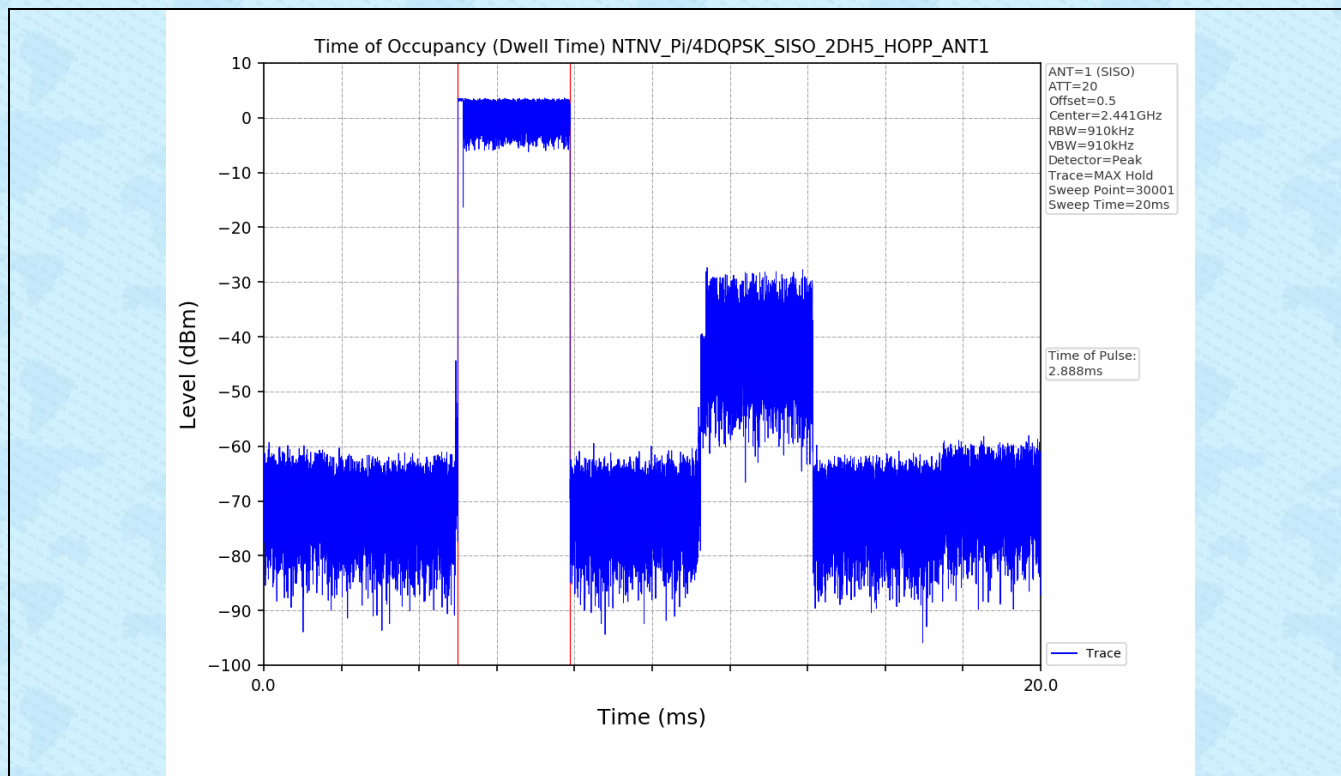










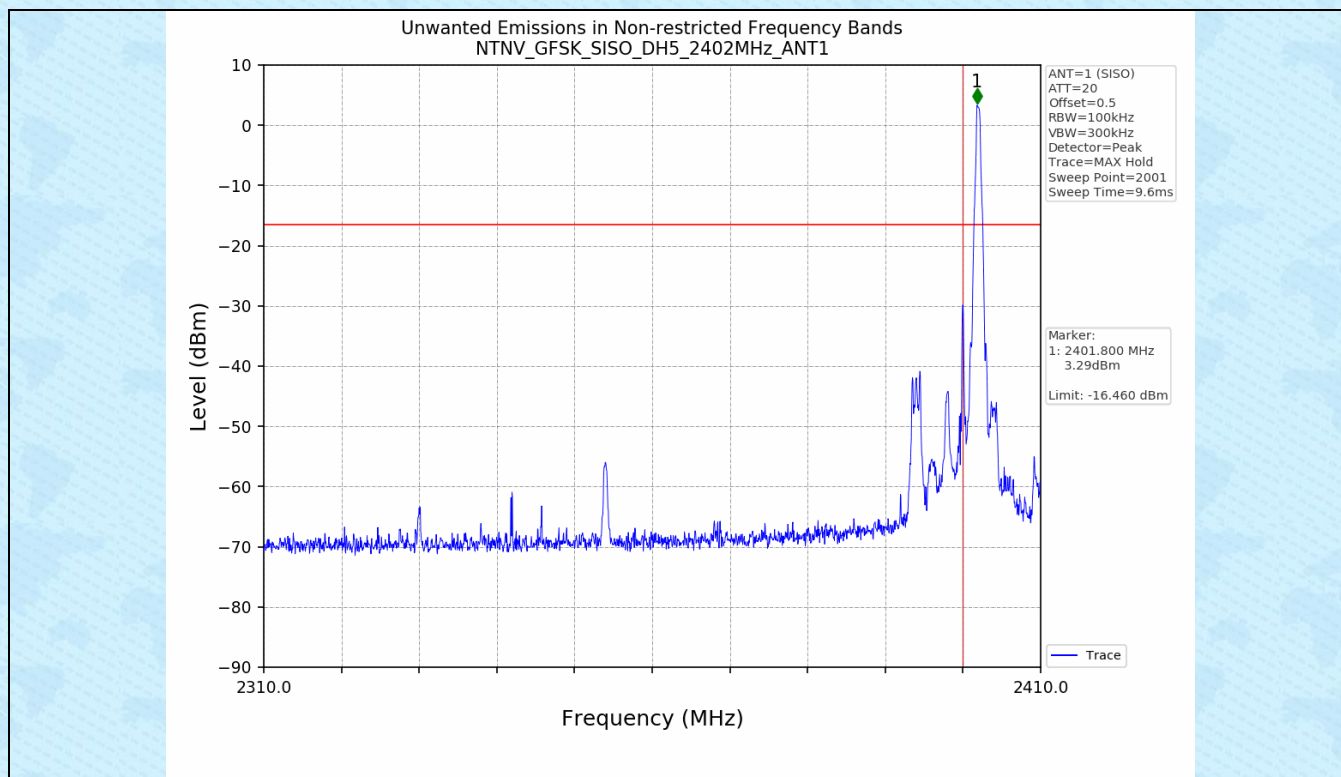
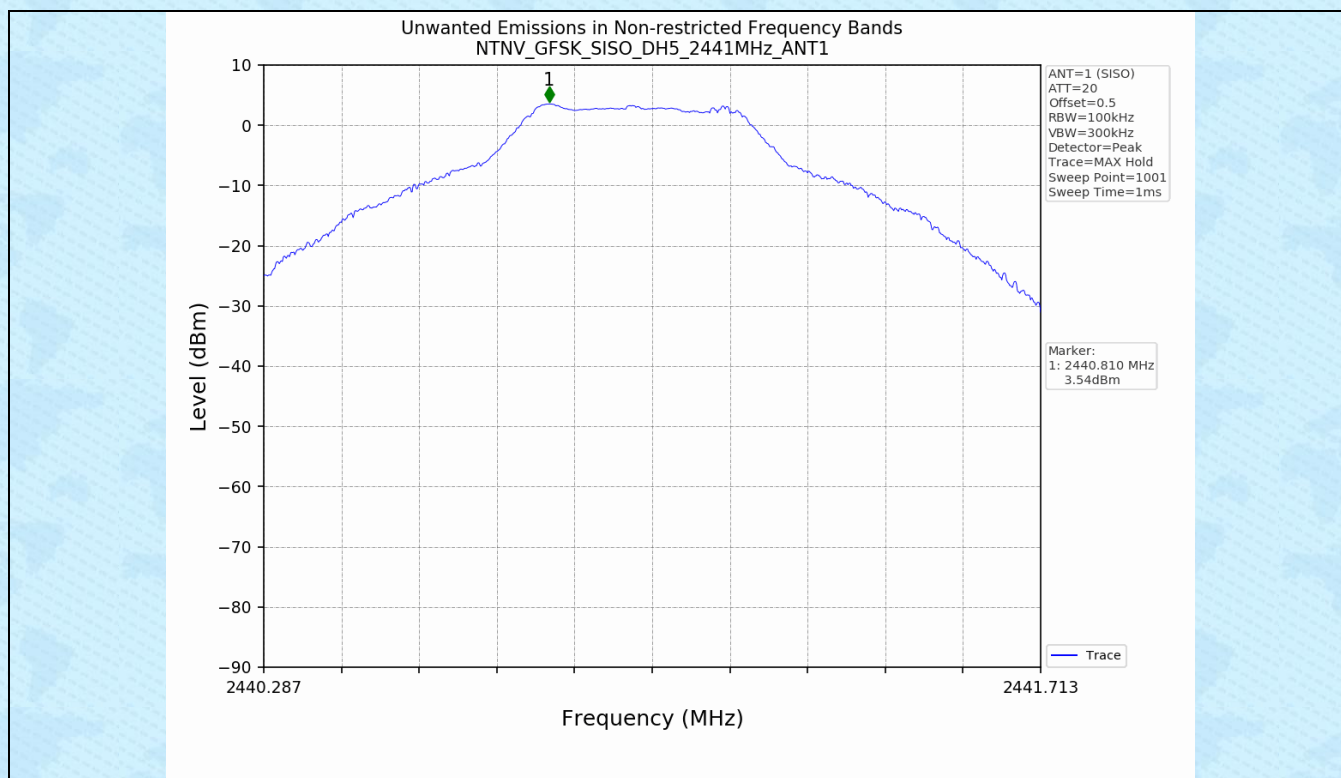


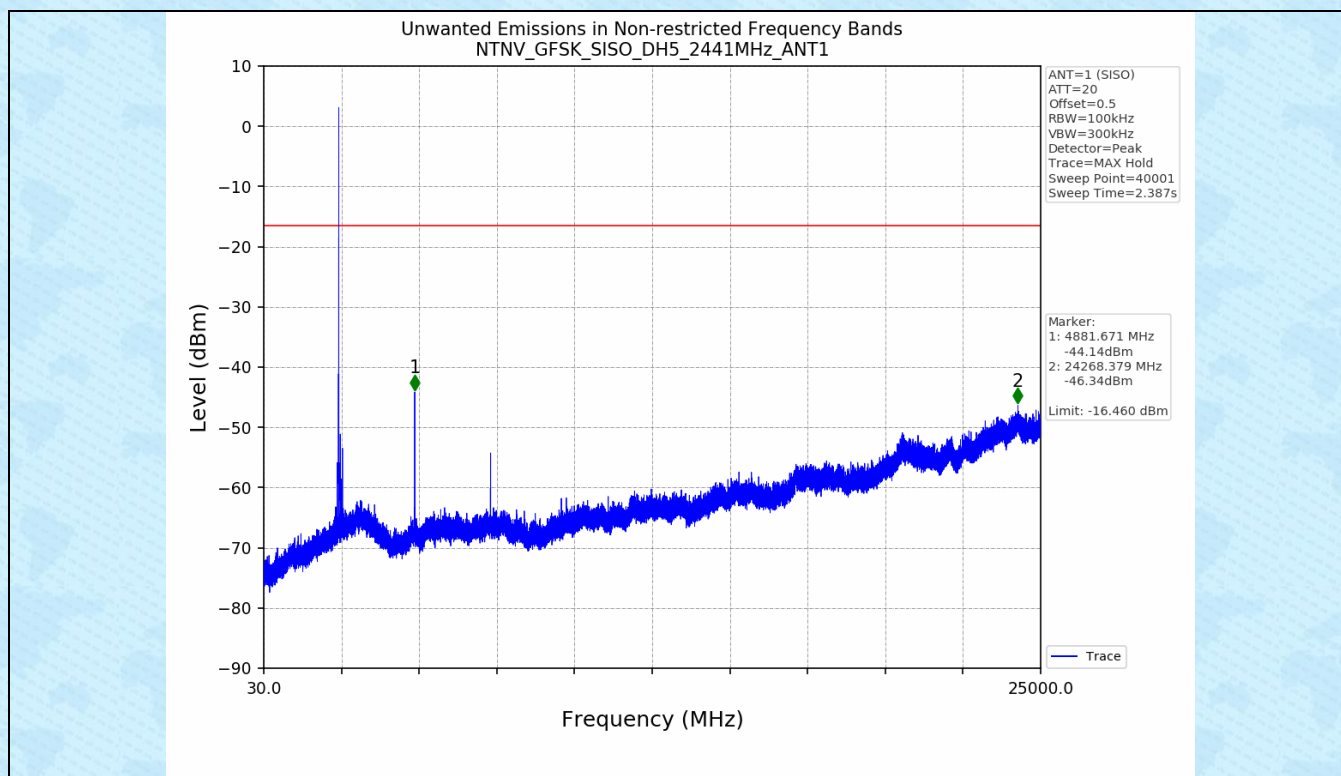
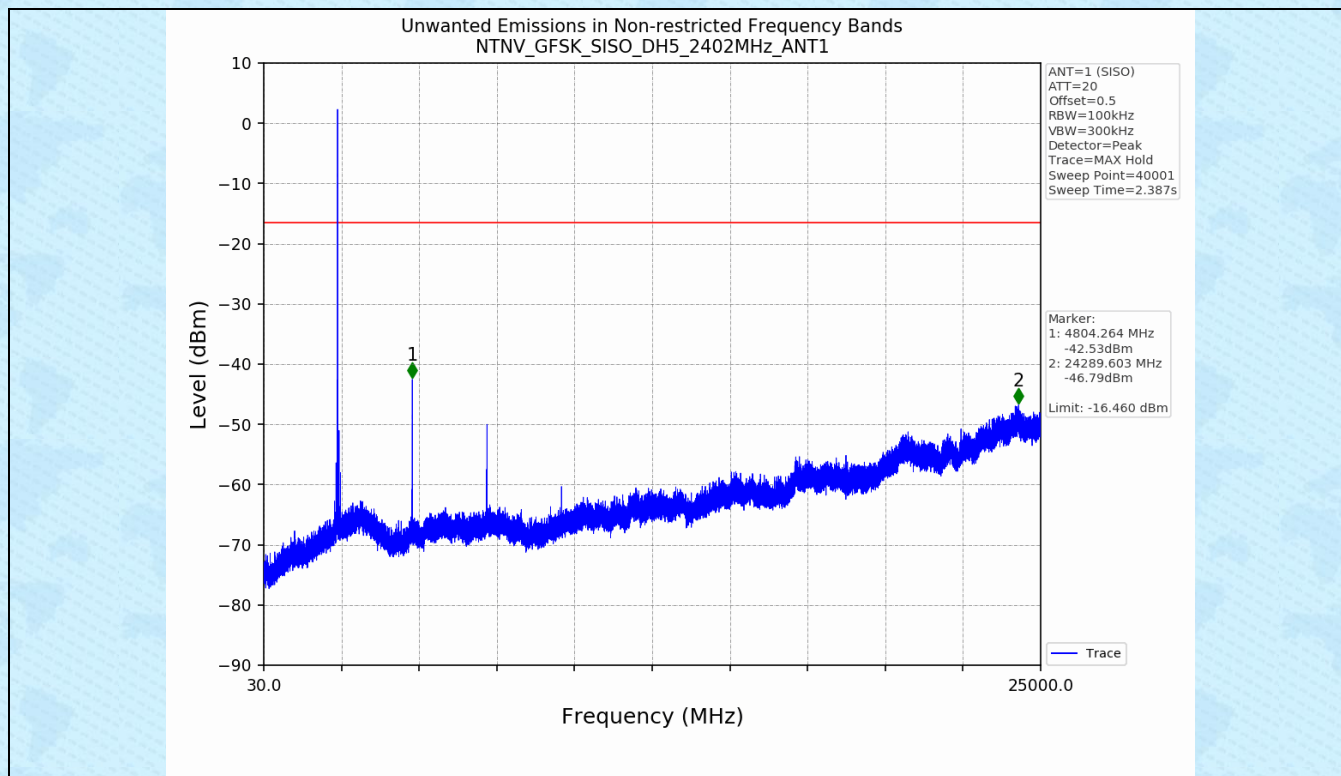
6. Unwanted Emissions in Non-restricted Frequency Bands

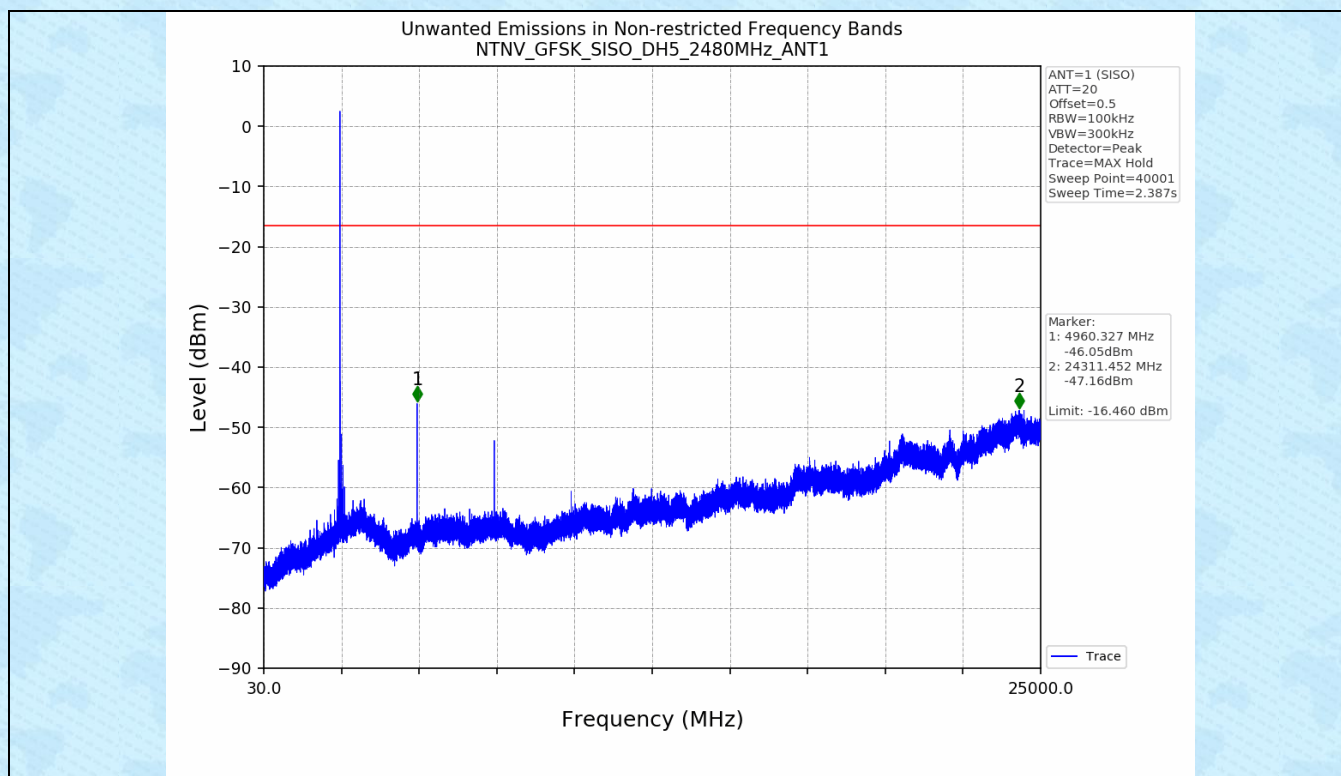
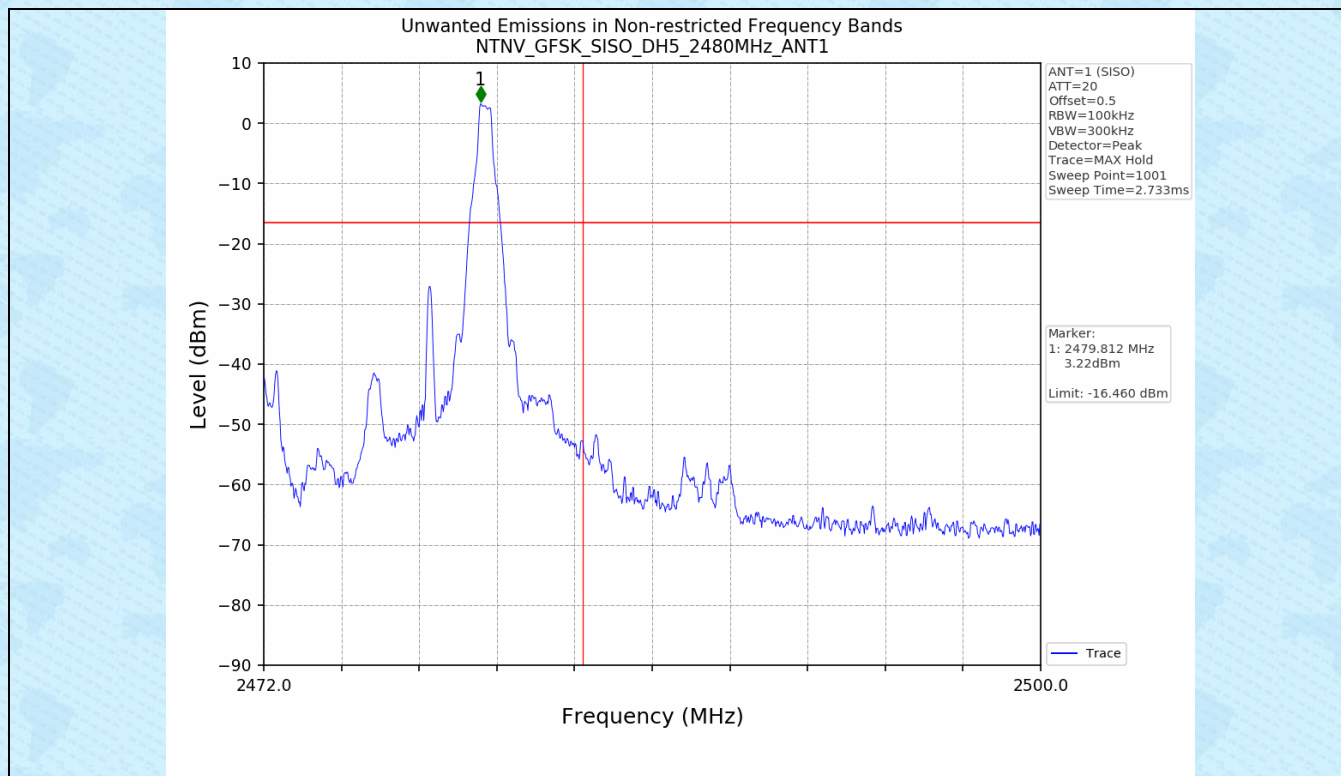
6.1 Test Result

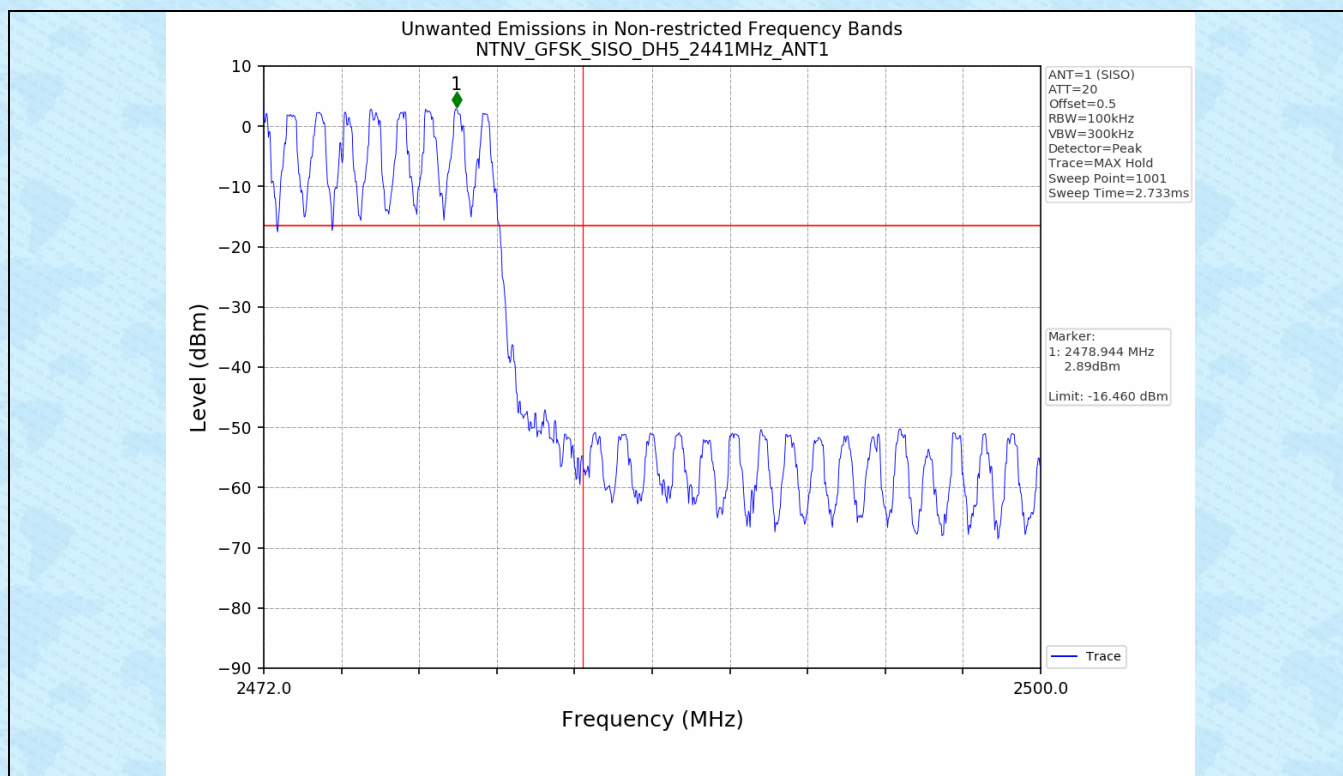
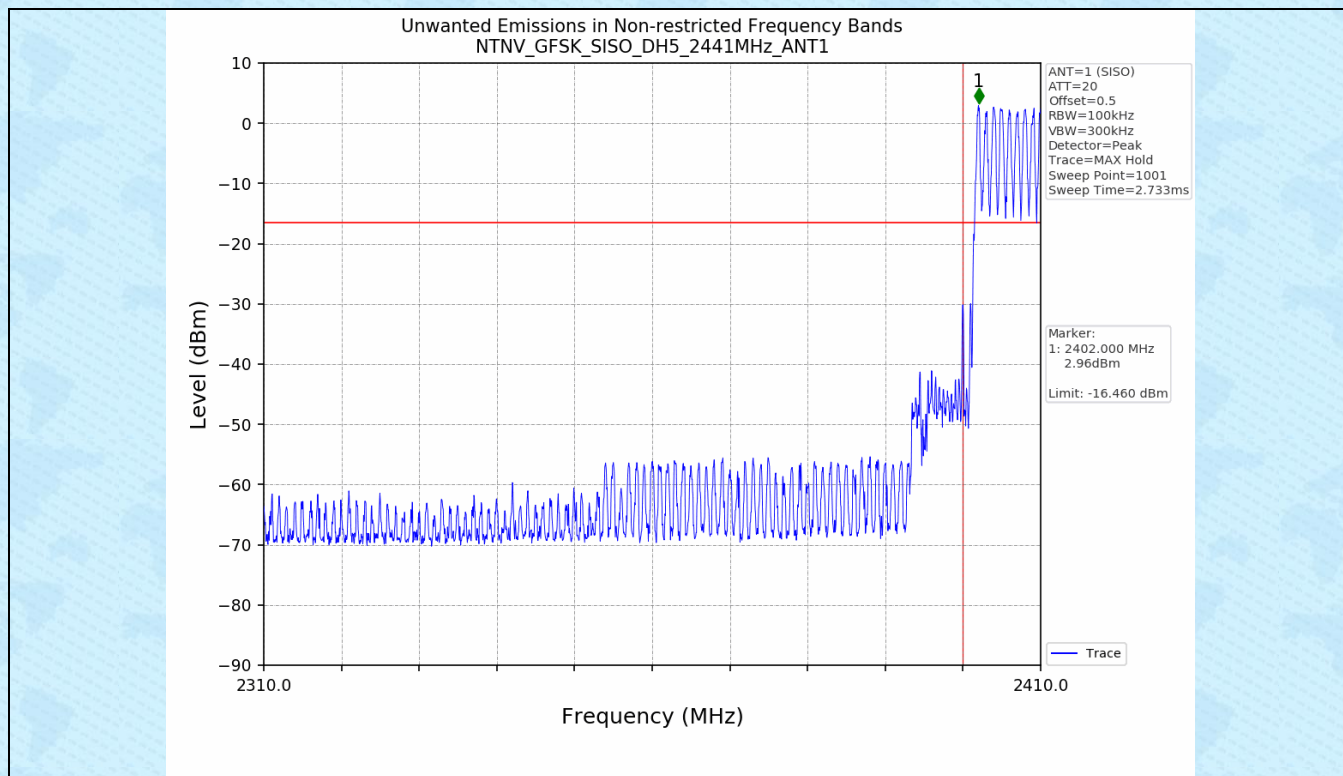
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	ANT1	Refer to test graph	-16.46	PASS
	2441	SISO	ANT1	Refer to test graph	-16.46	PASS
	2480	SISO	ANT1	Refer to test graph	-16.46	PASS
	Hopping	SISO	ANT1	Refer to test graph	-16.46	PASS
$\pi/4$ -DQPSK	2402	SISO	ANT1	Refer to test graph	-16.62	PASS
	2441	SISO	ANT1	Refer to test graph	-16.62	PASS
	2480	SISO	ANT1	Refer to test graph	-16.62	PASS
	Hopping	SISO	ANT1	Refer to test graph	-16.62	PASS

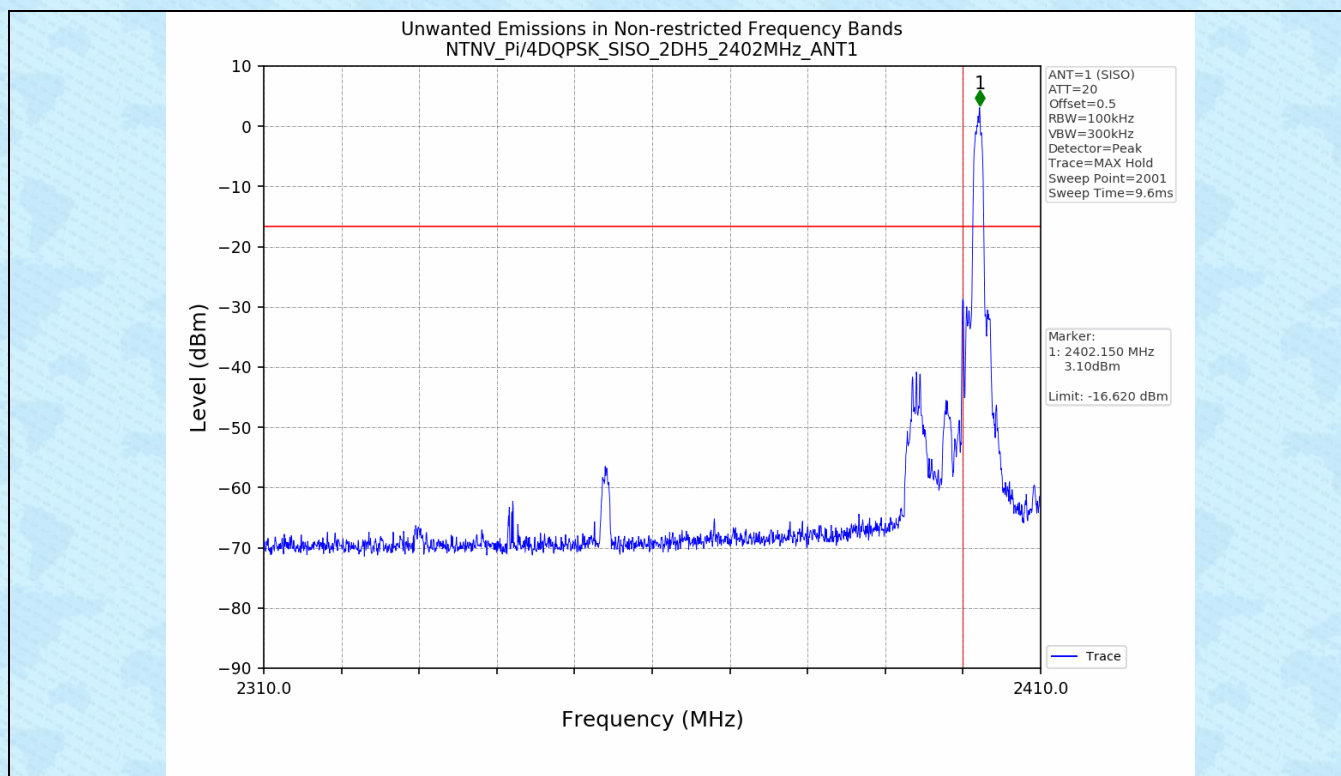
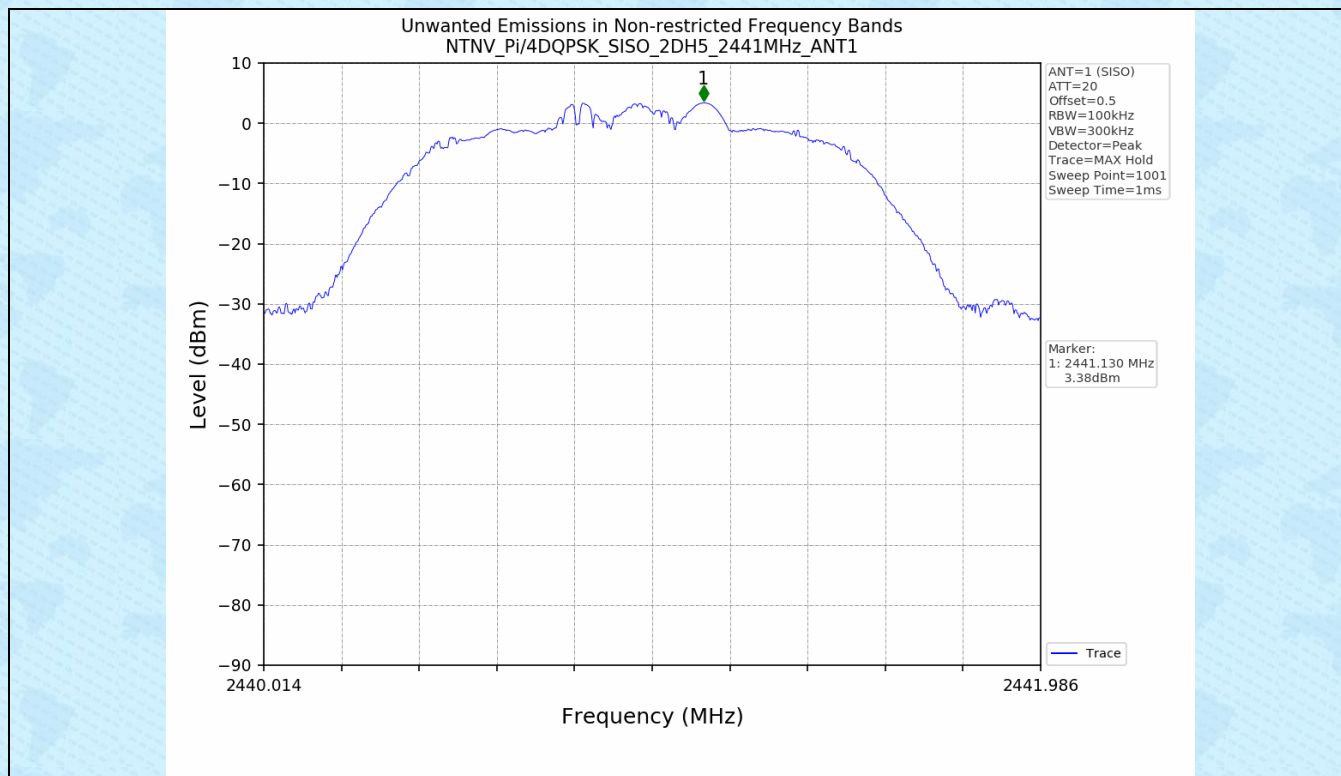
6.2 Test Graph

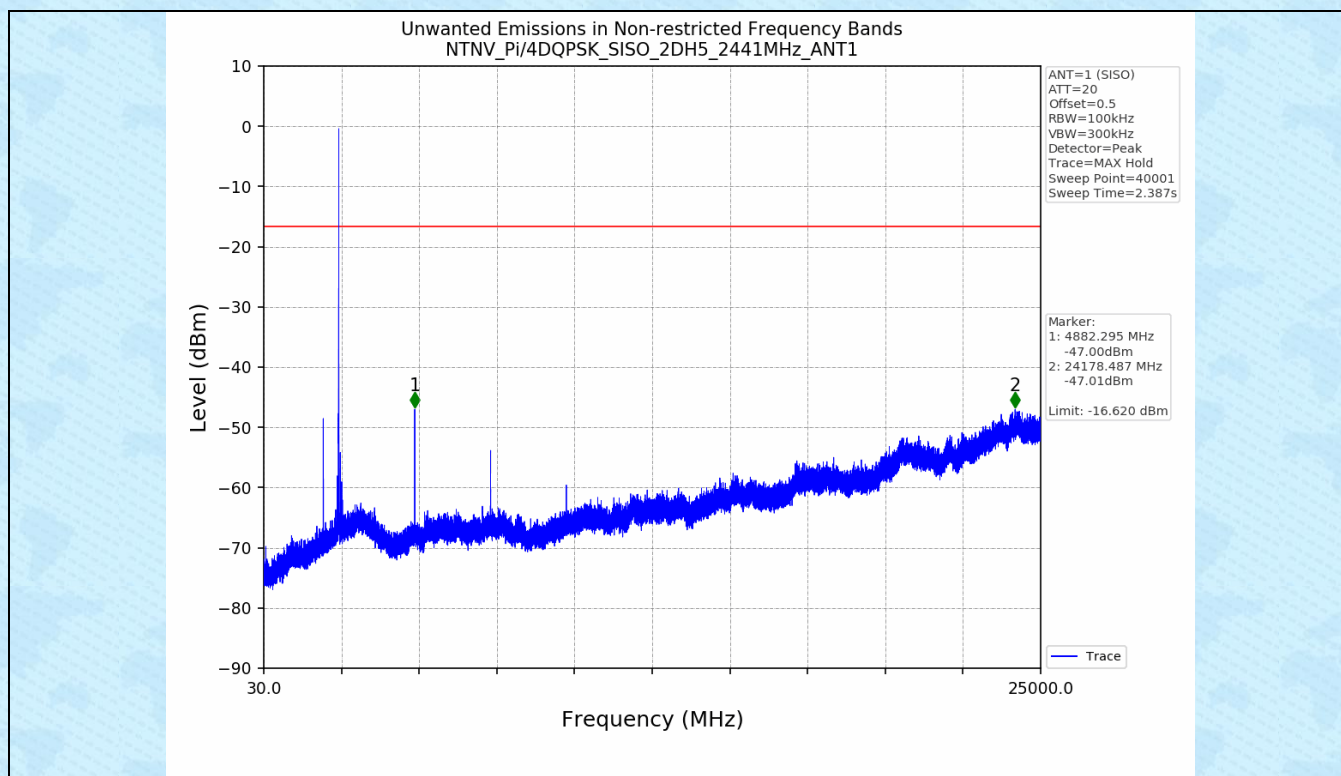
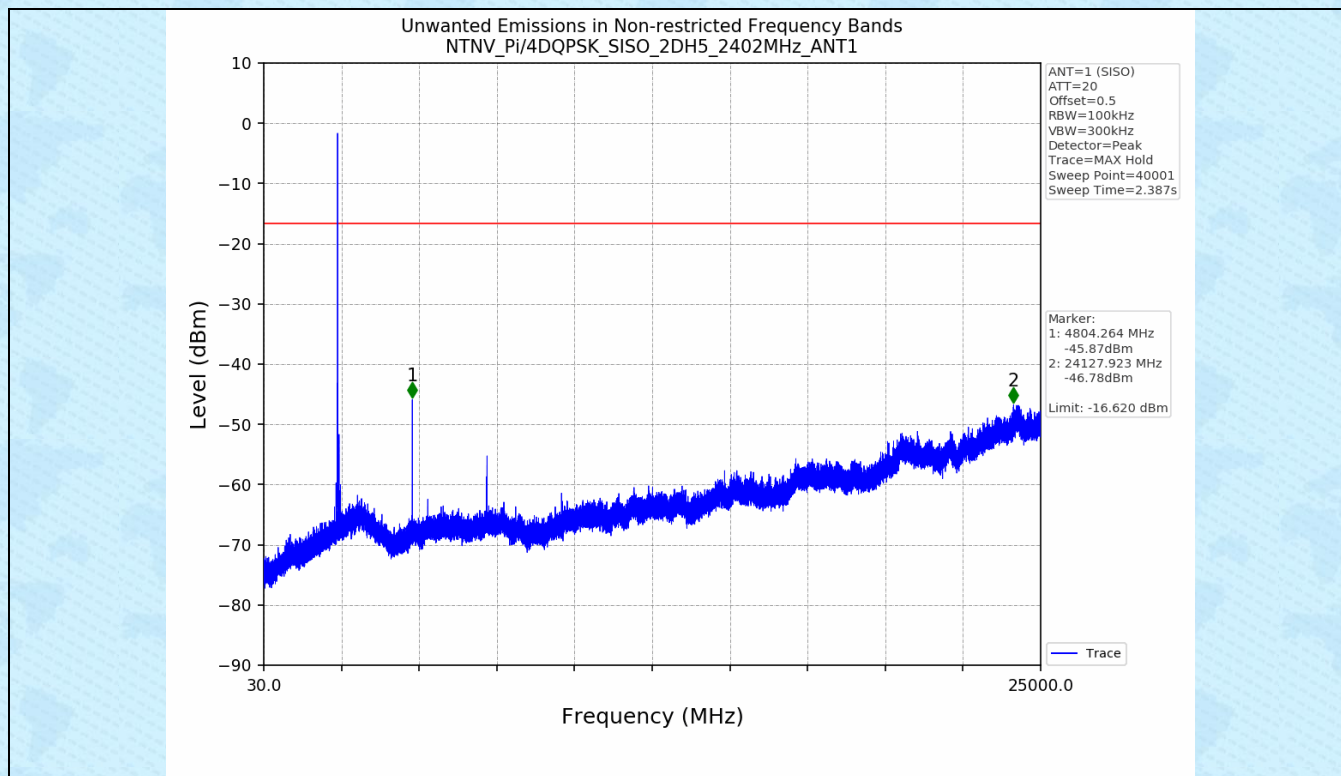


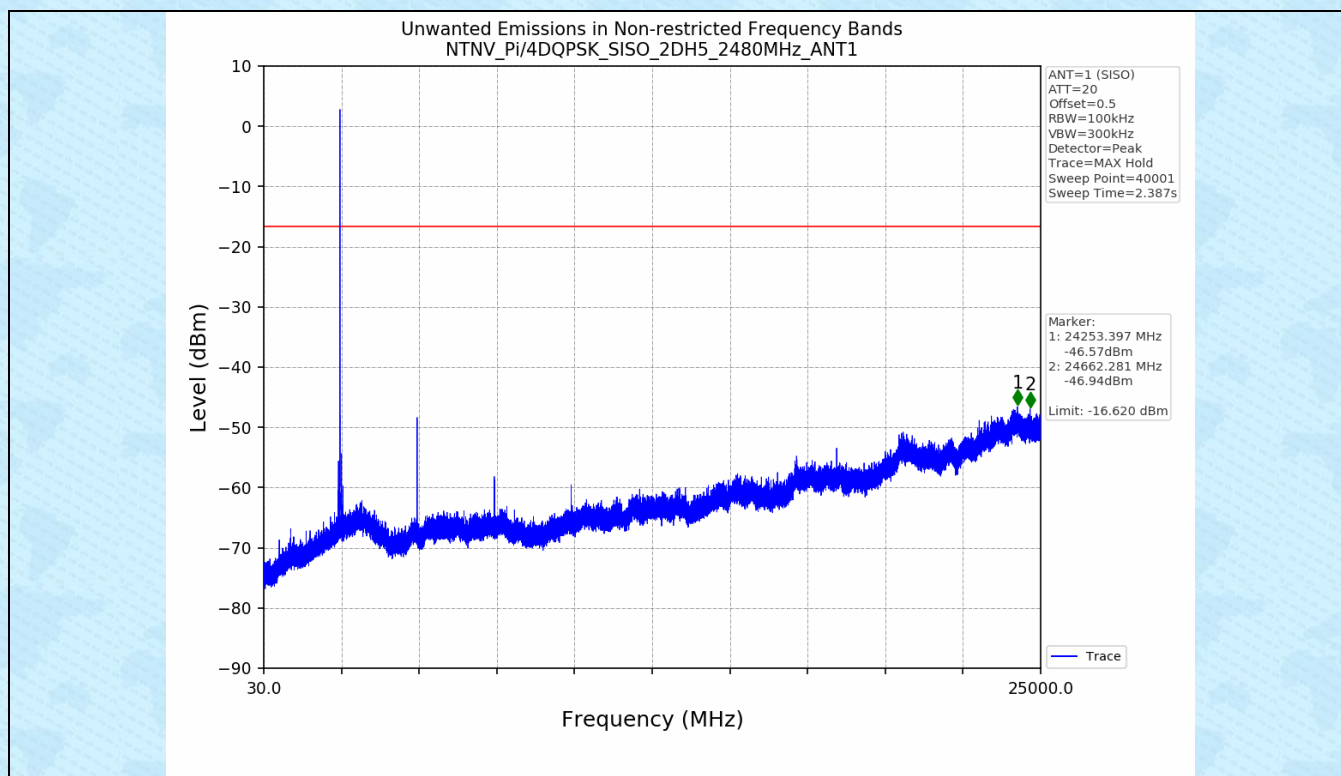
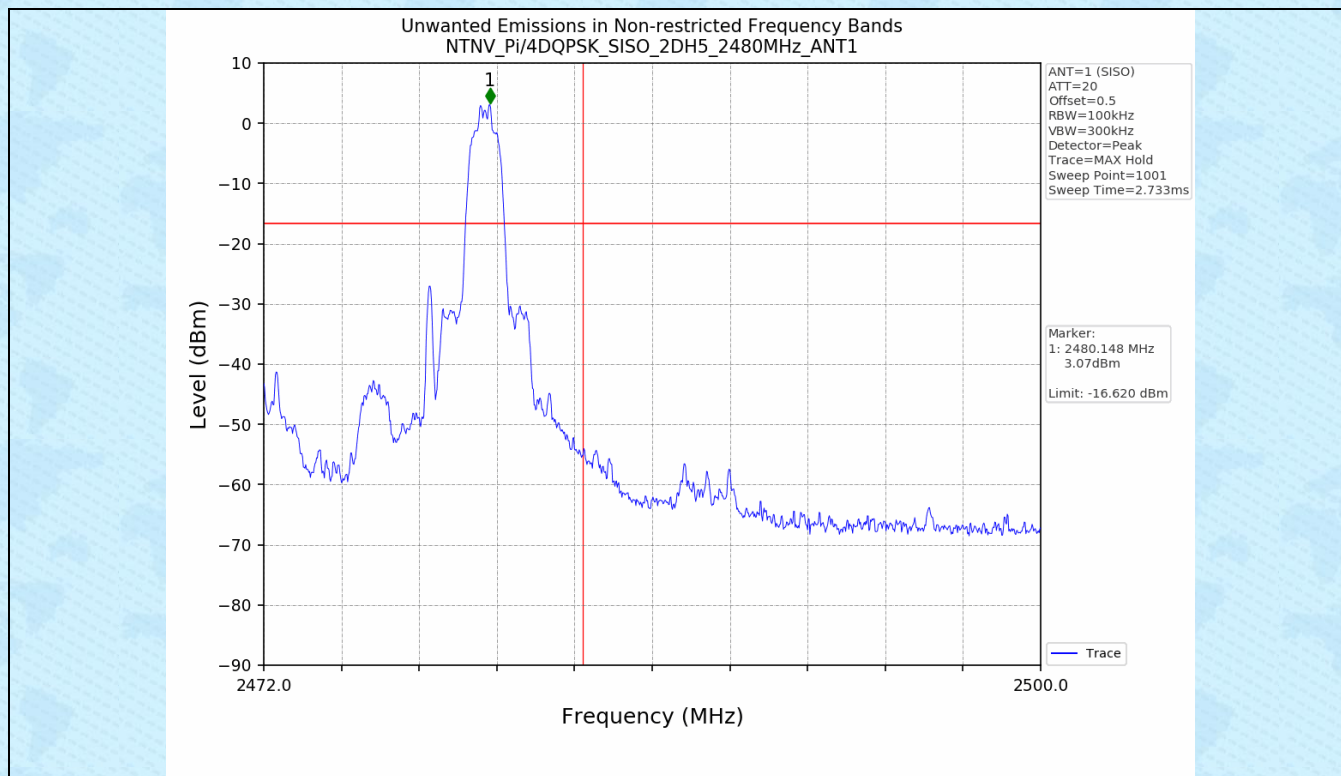


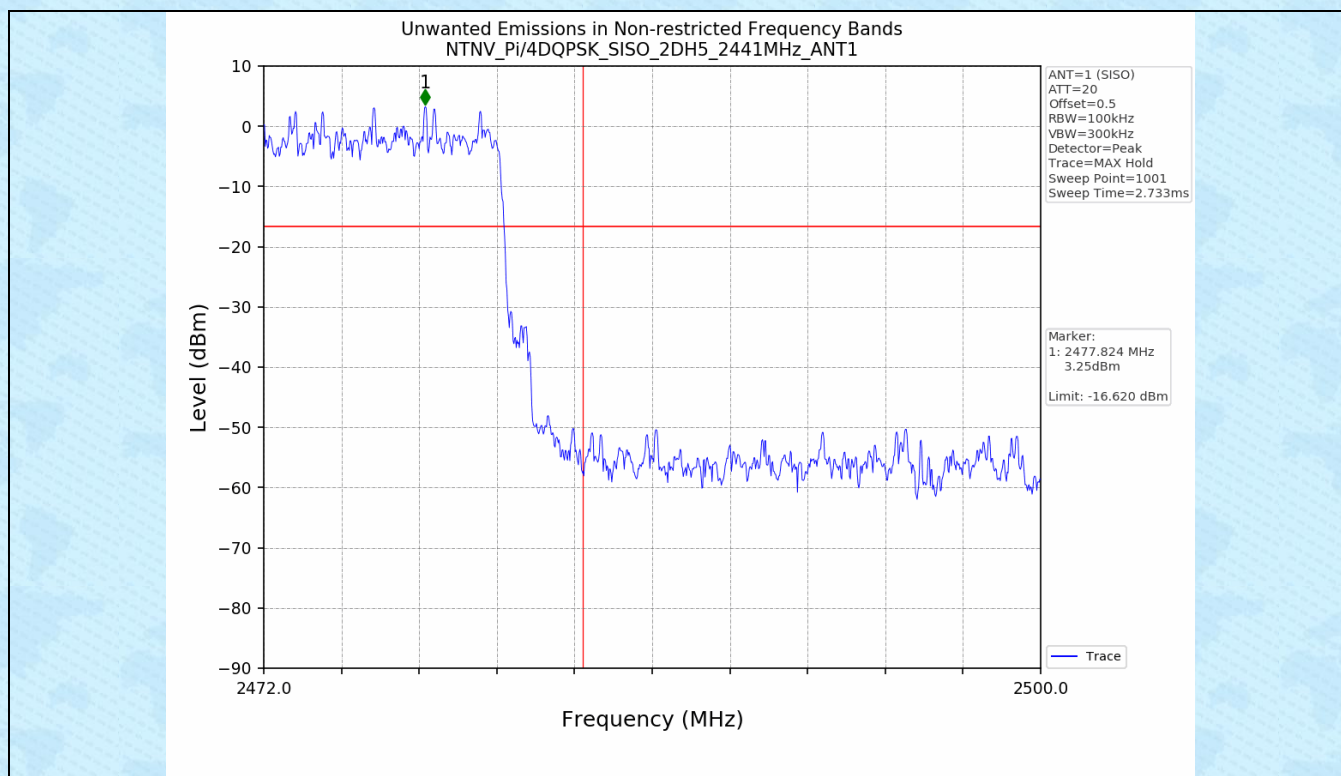
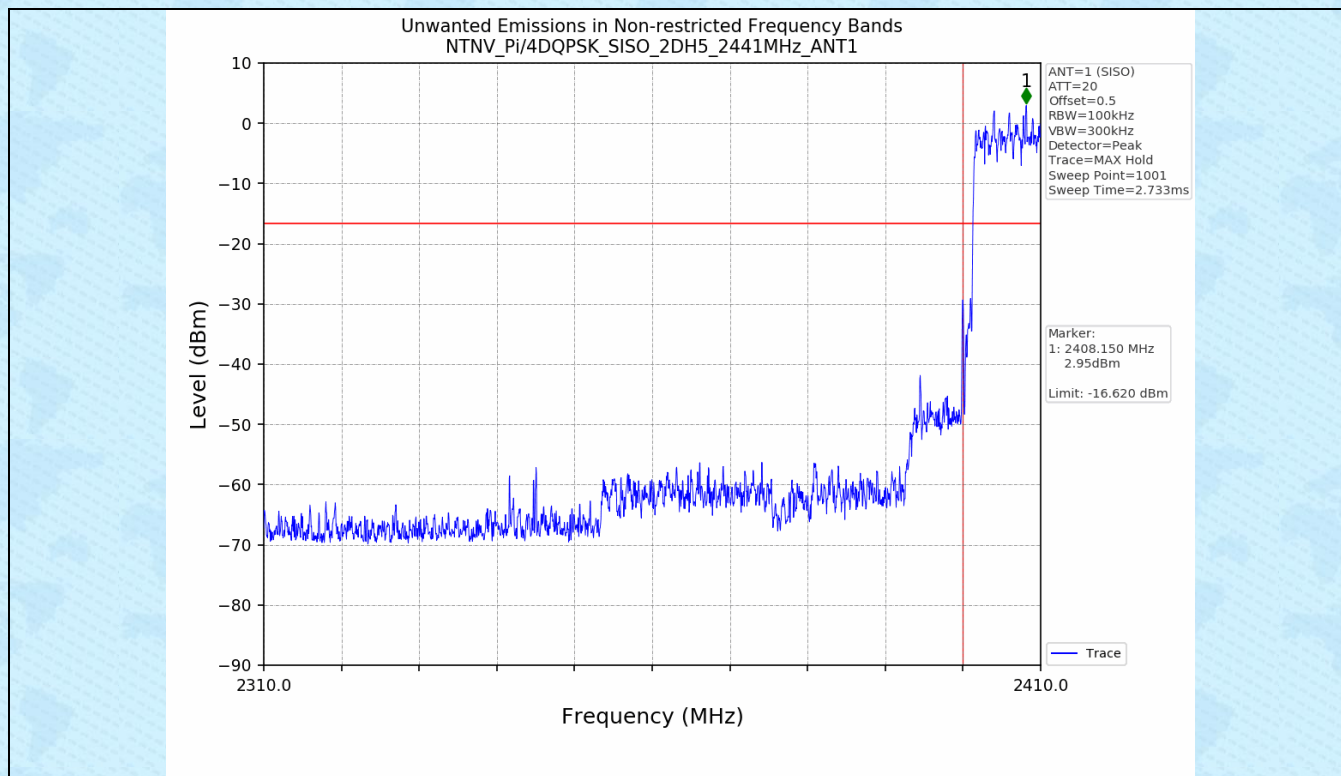












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