

Appendix for 15.247

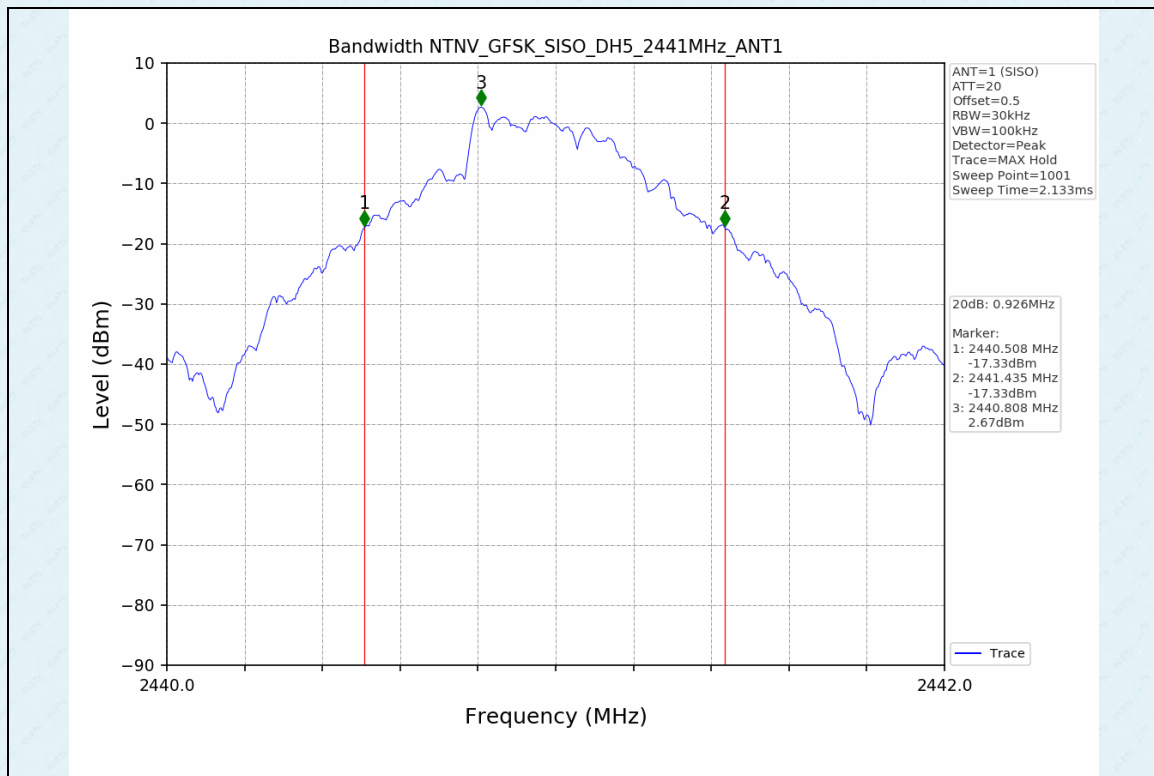
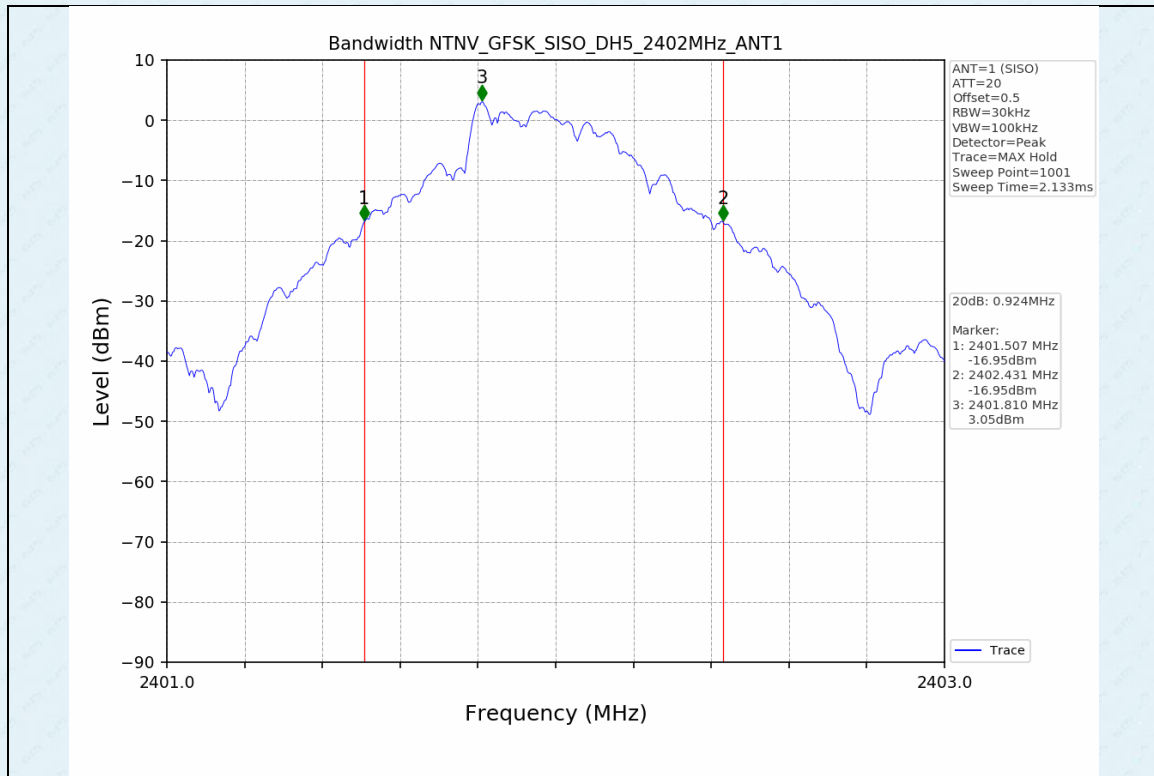
1. Bandwidth

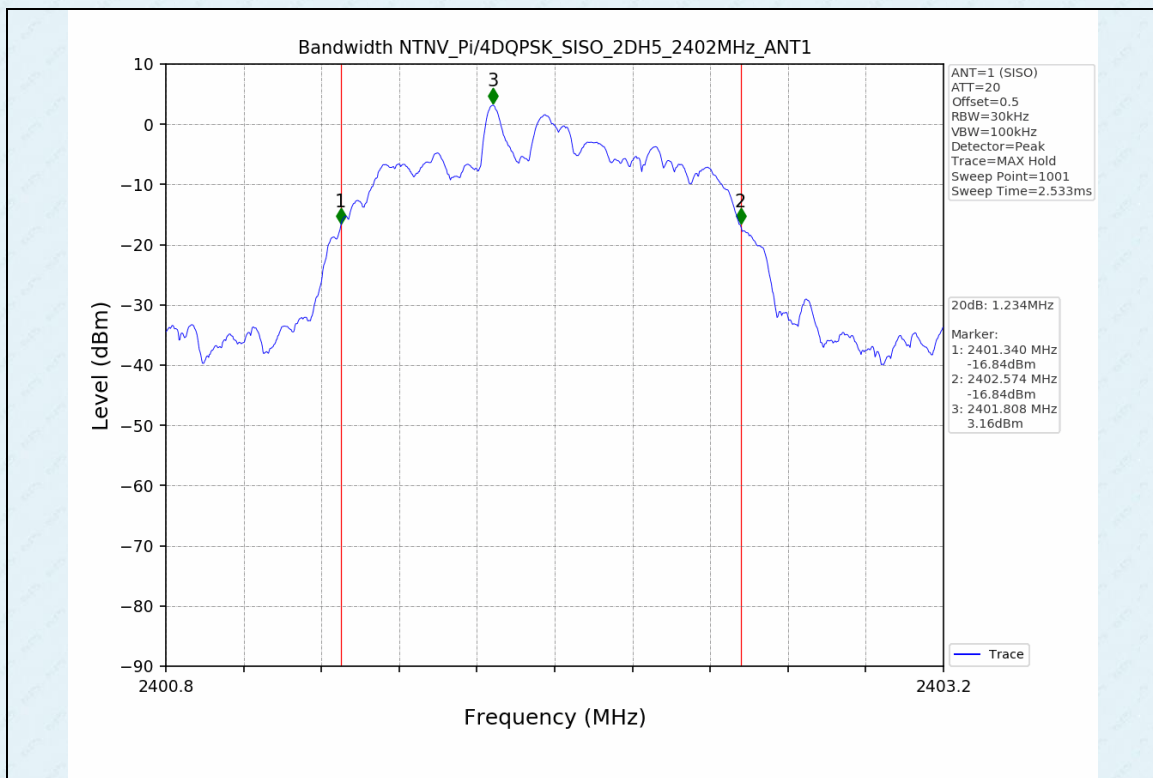
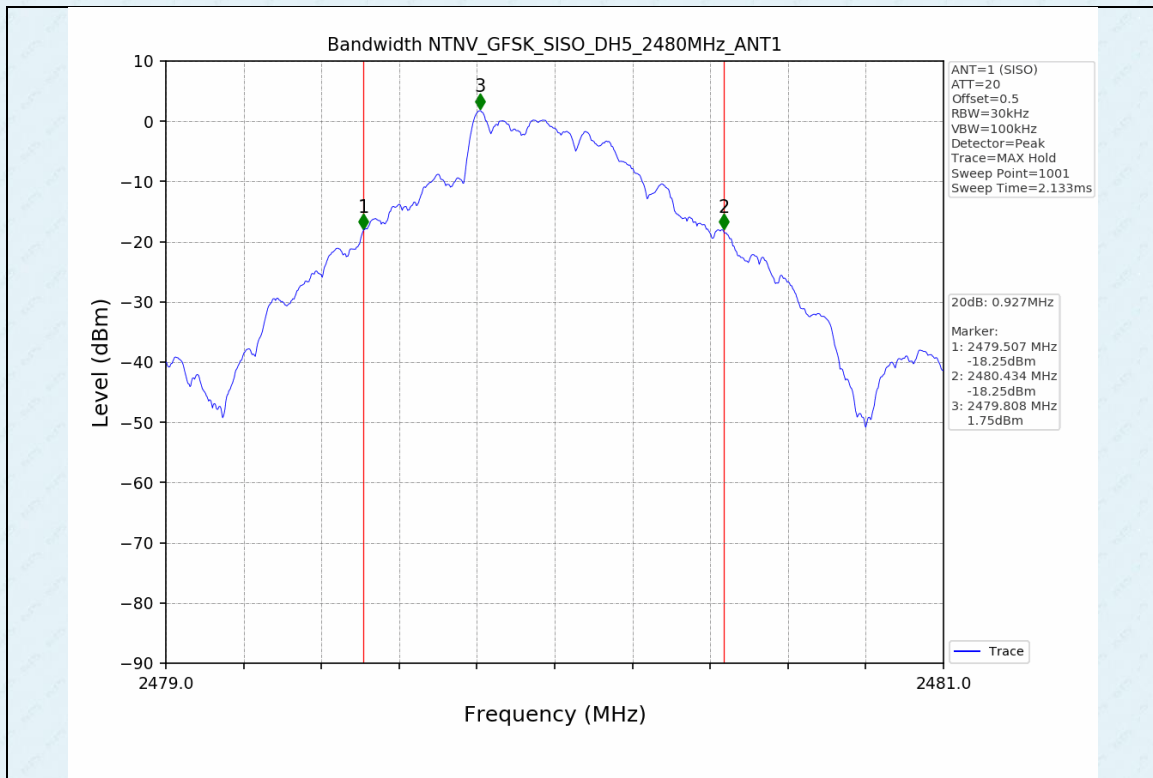
1.1 Test Result

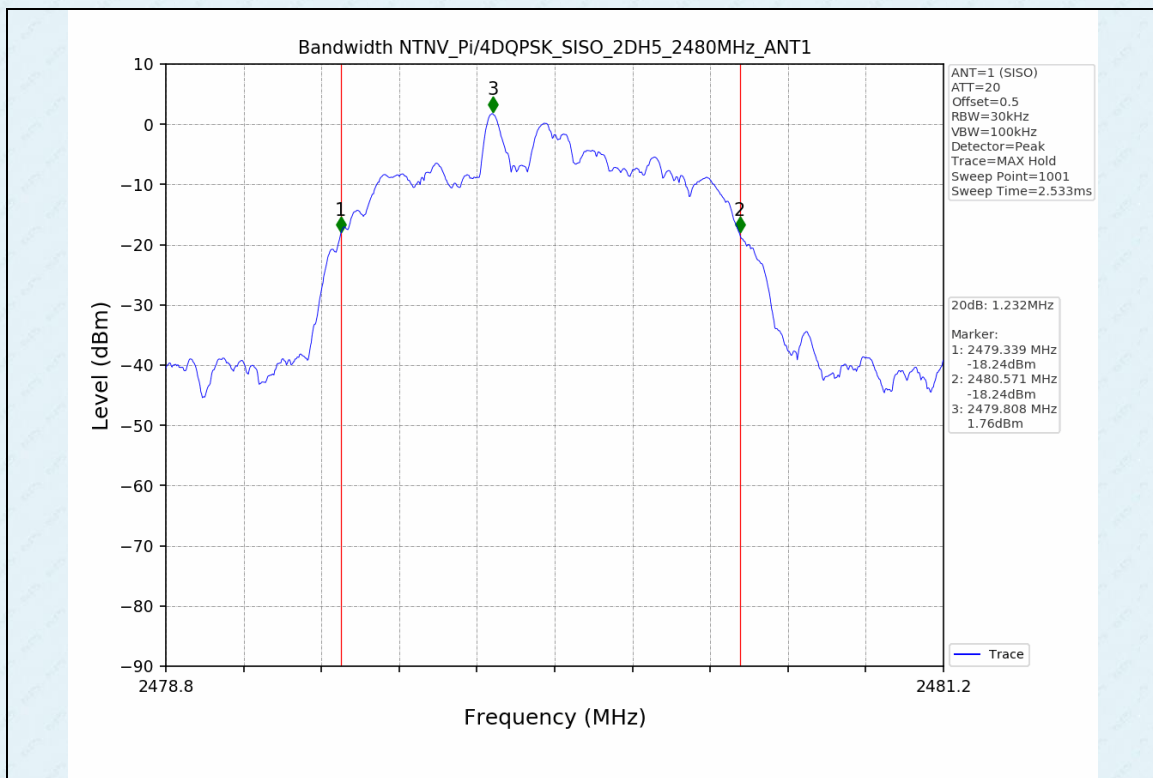
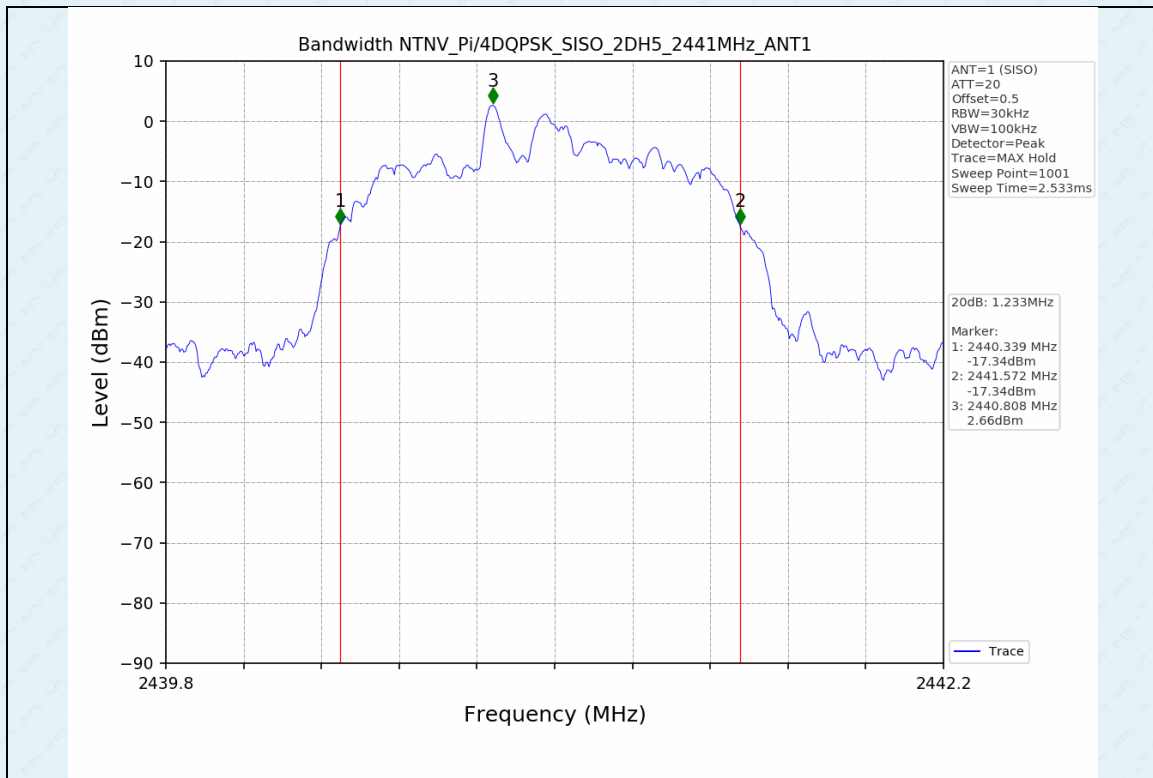
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.924	PASS
	2441	SISO	1	0.926	PASS
	2480	SISO	1	0.927	PASS
$\pi/4$ -DQPSK	2402	SISO	1	1.234	PASS
	2441	SISO	1	1.233	PASS
	2480	SISO	1	1.232	PASS
8-DPSK	2402	SISO	1	1.235	PASS
	2441	SISO	1	1.228	PASS
	2480	SISO	1	1.226	PASS

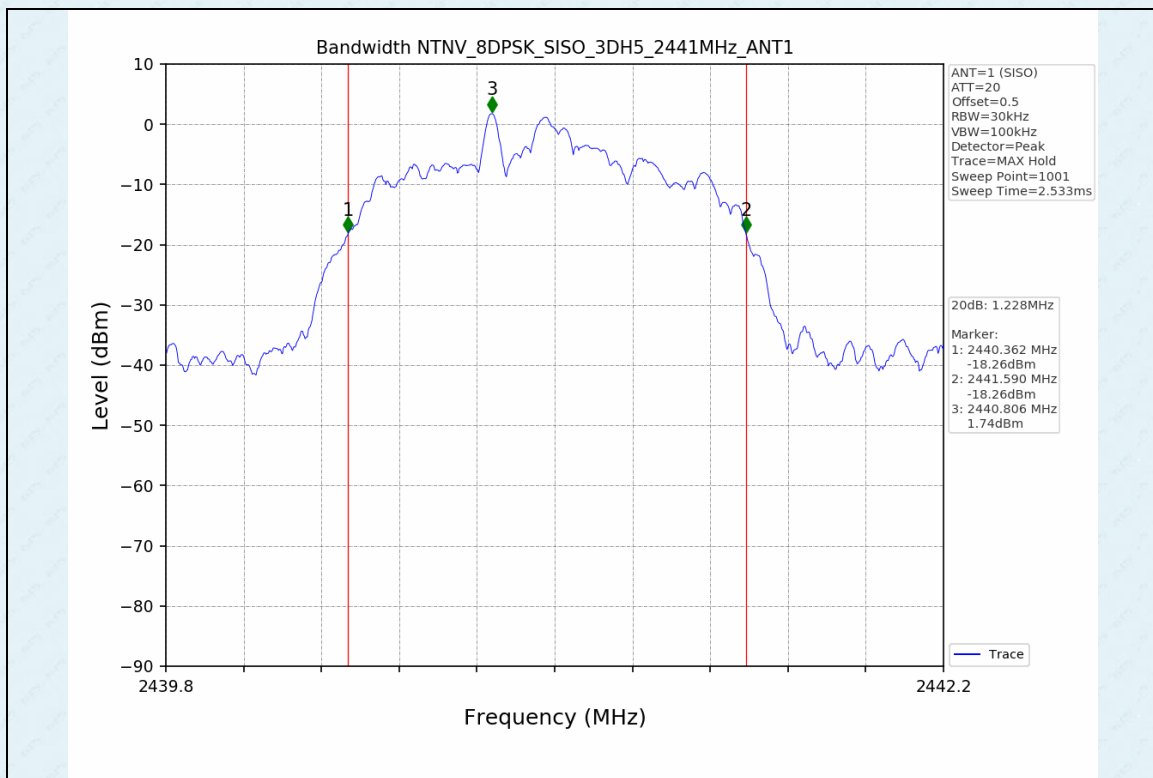
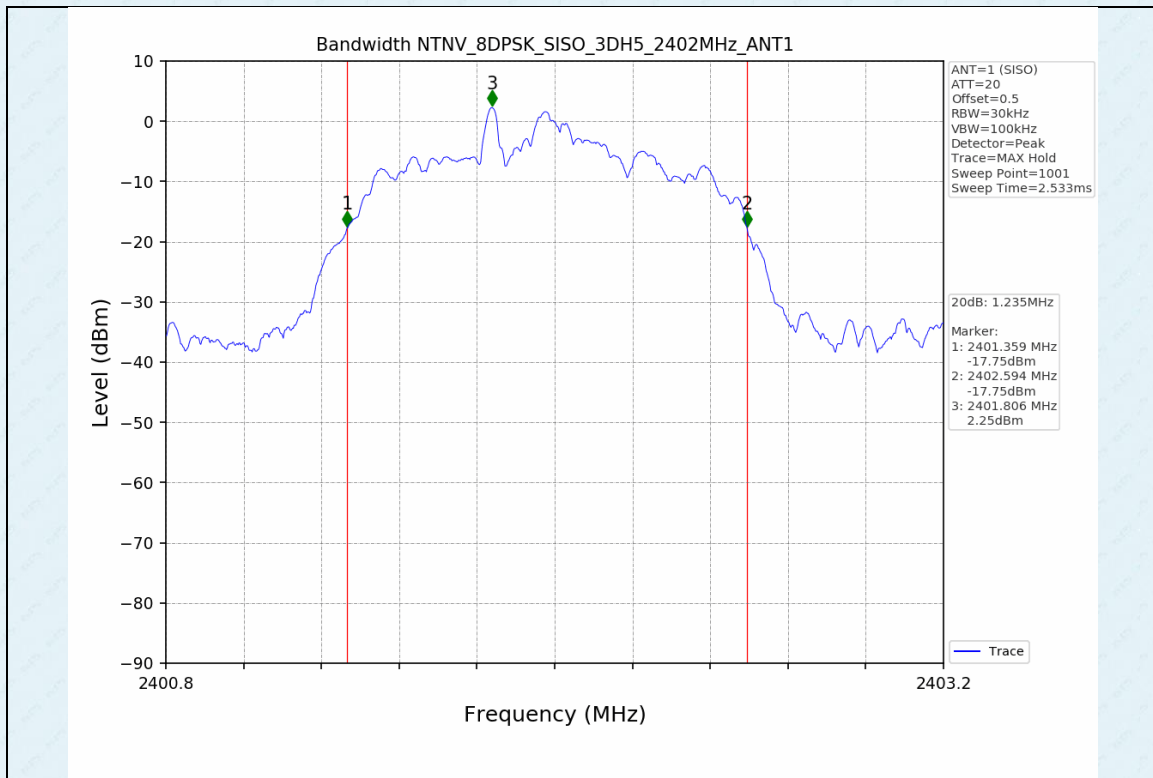
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.857	Only for Report Use
	2441	SISO	1	0.857	Only for Report Use
	2480	SISO	1	0.859	Only for Report Use
$\pi/4$ -DQPSK	2402	SISO	1	1.162	Only for Report Use
	2441	SISO	1	1.158	Only for Report Use
	2480	SISO	1	1.153	Only for Report Use
8-DPSK	2402	SISO	1	1.154	Only for Report Use
	2441	SISO	1	1.147	Only for Report Use
	2480	SISO	1	1.144	Only for Report Use

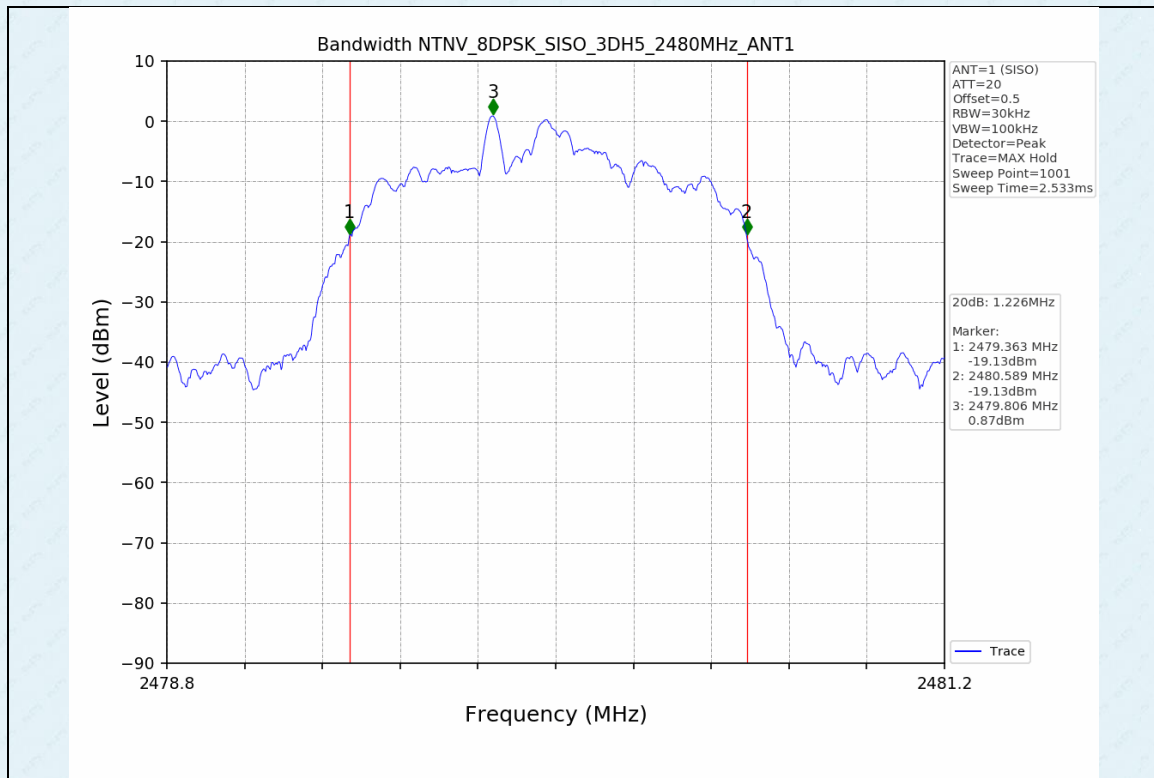
1.2 Test Graph - 20dB Bandwidth



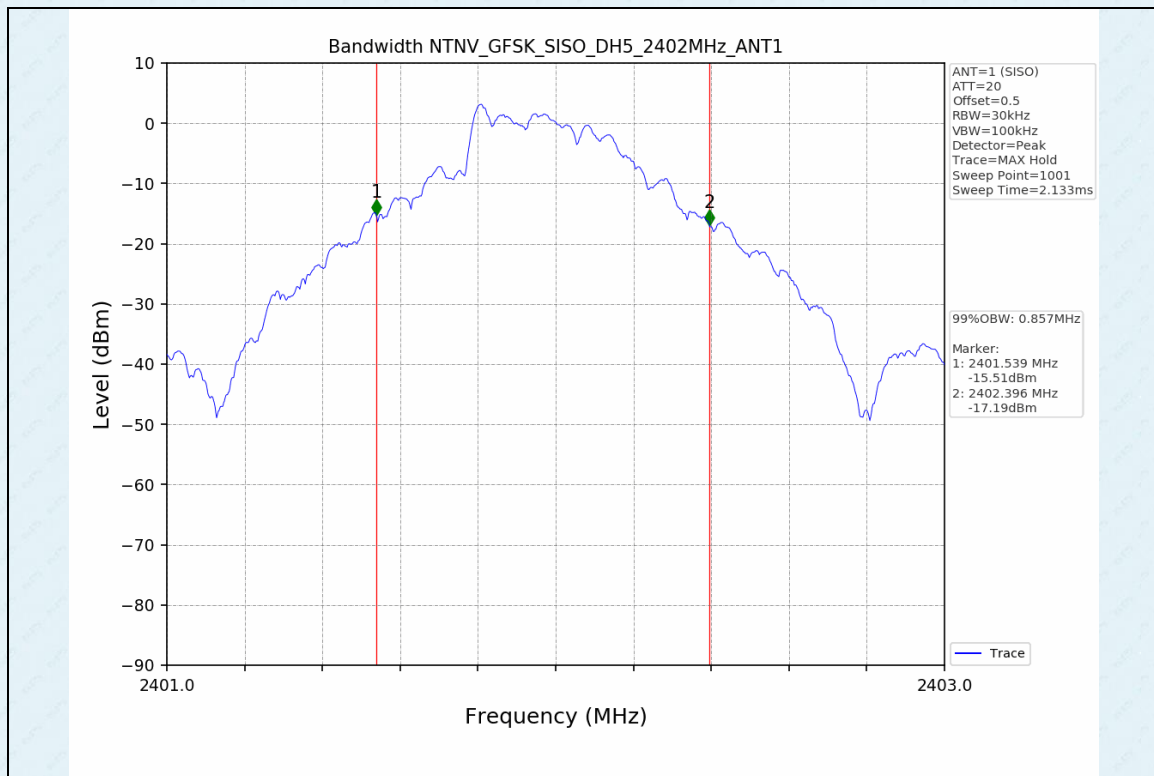


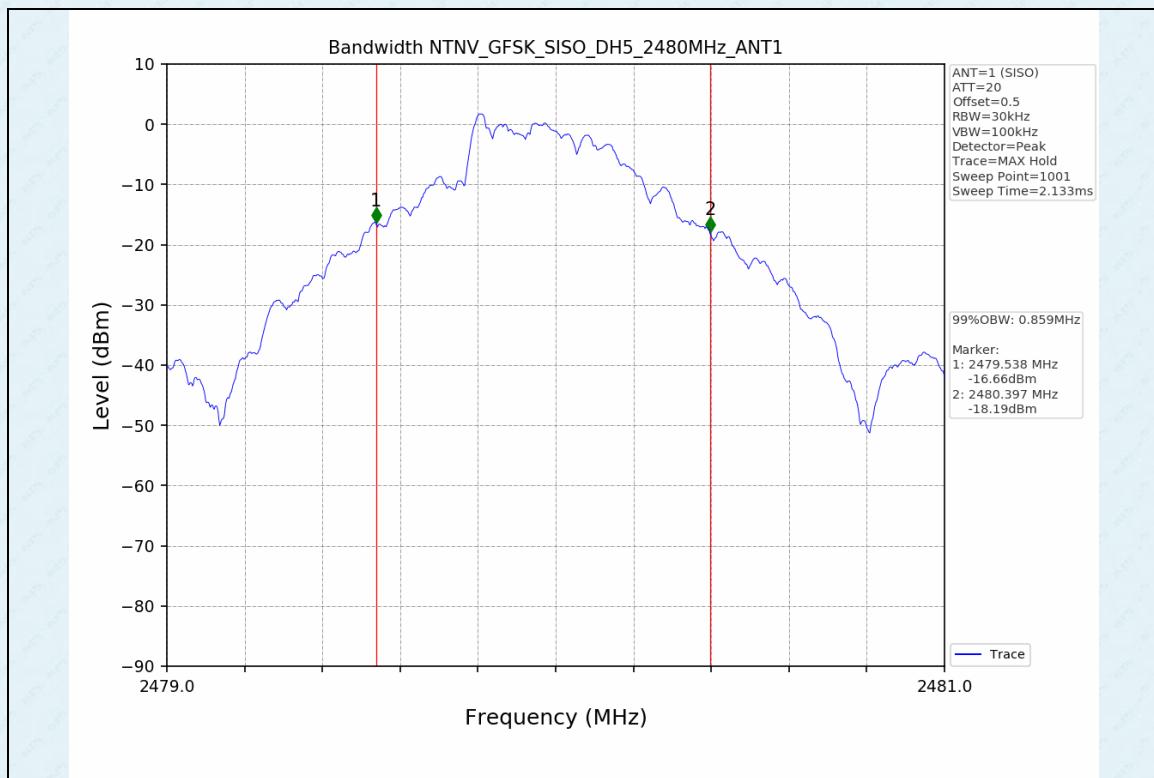
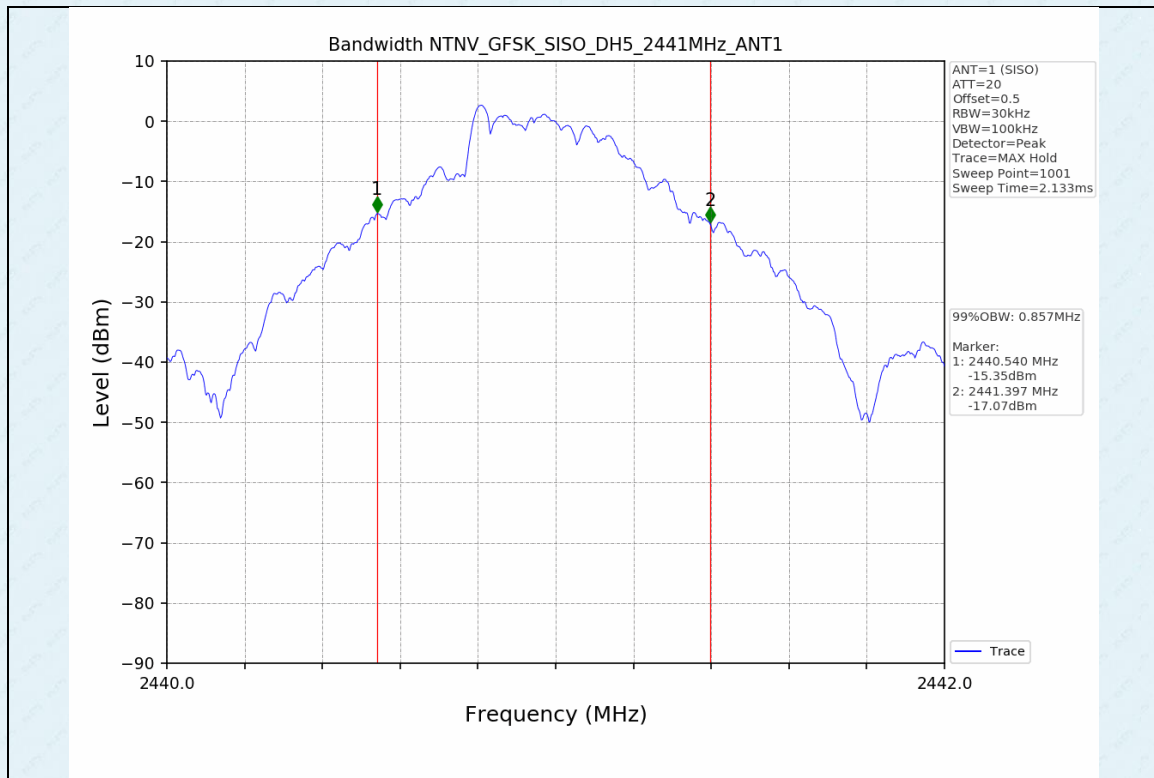


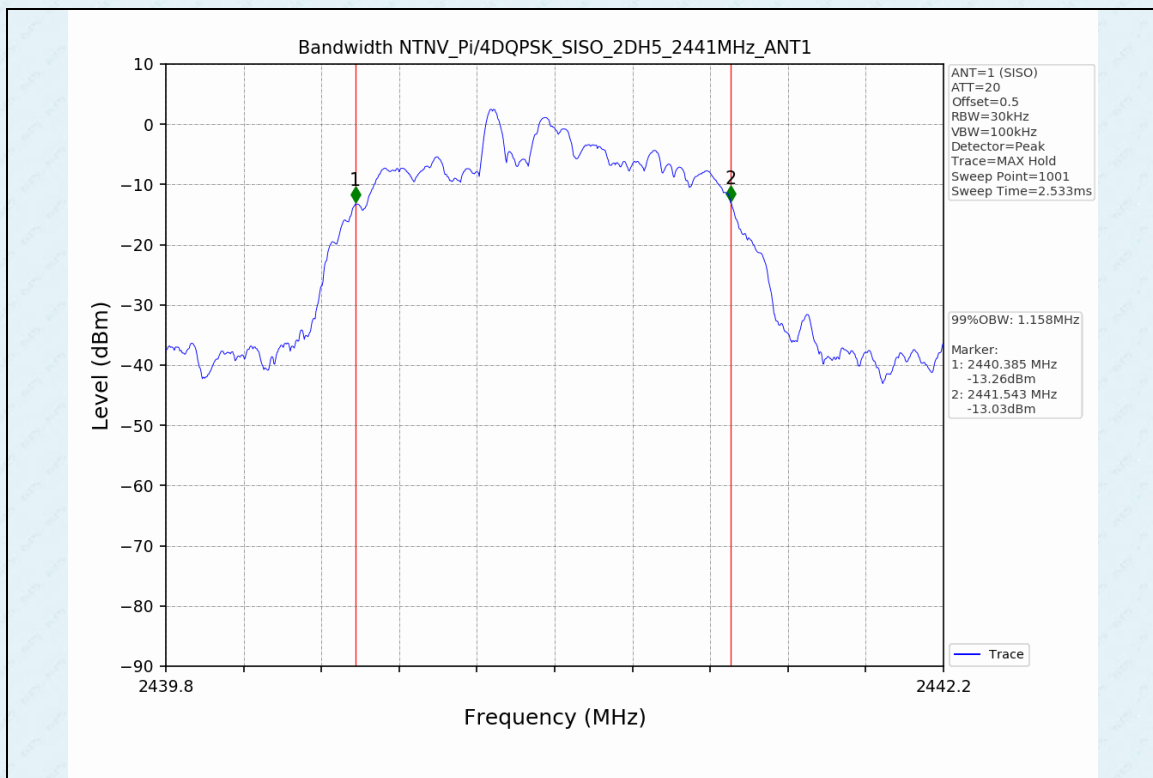
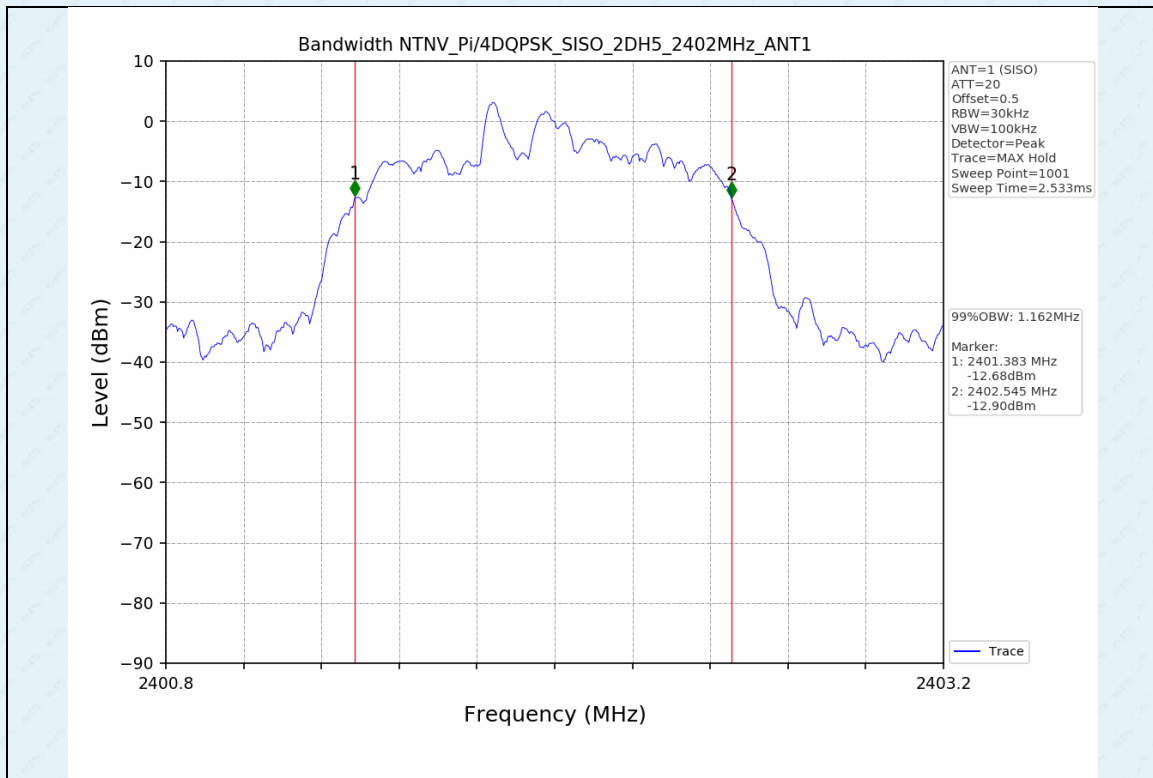


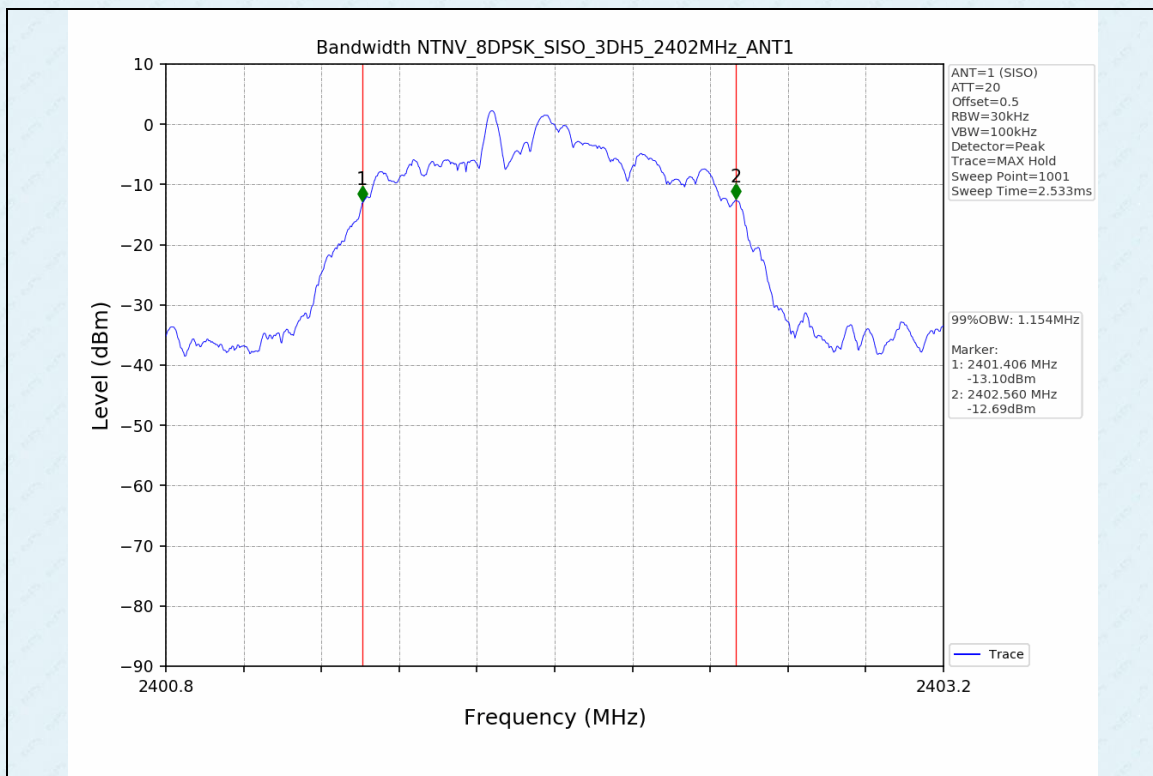
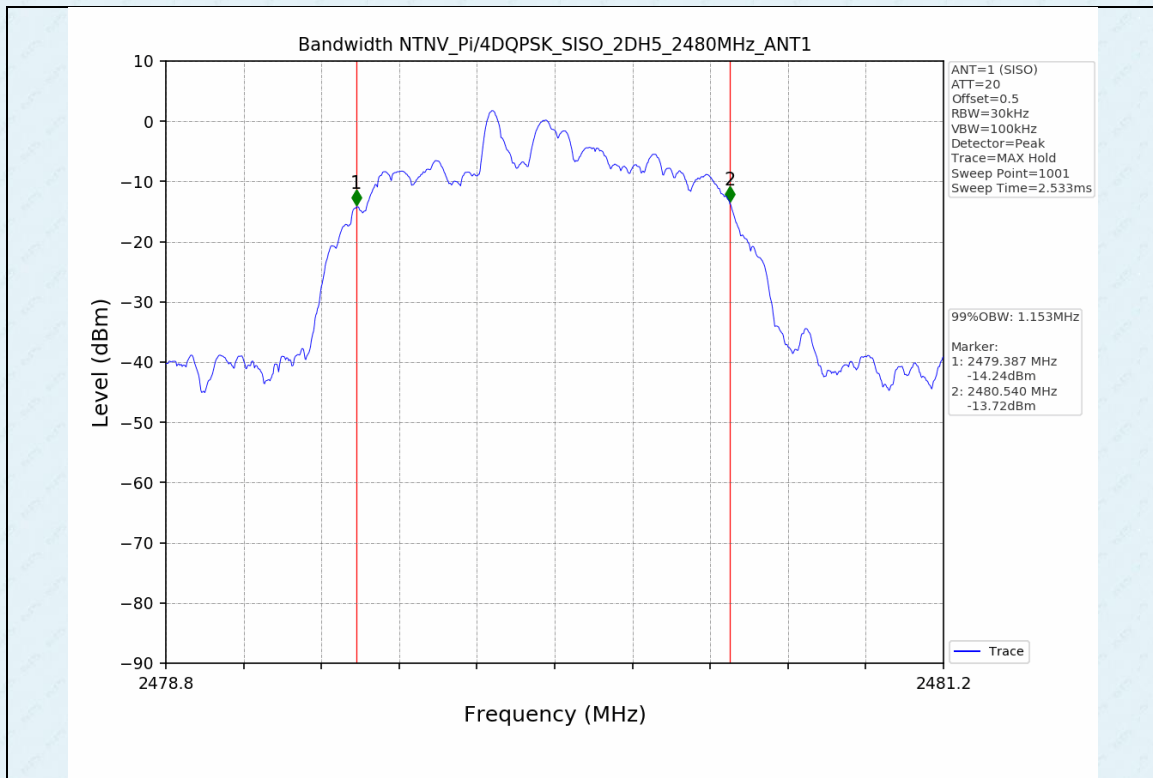


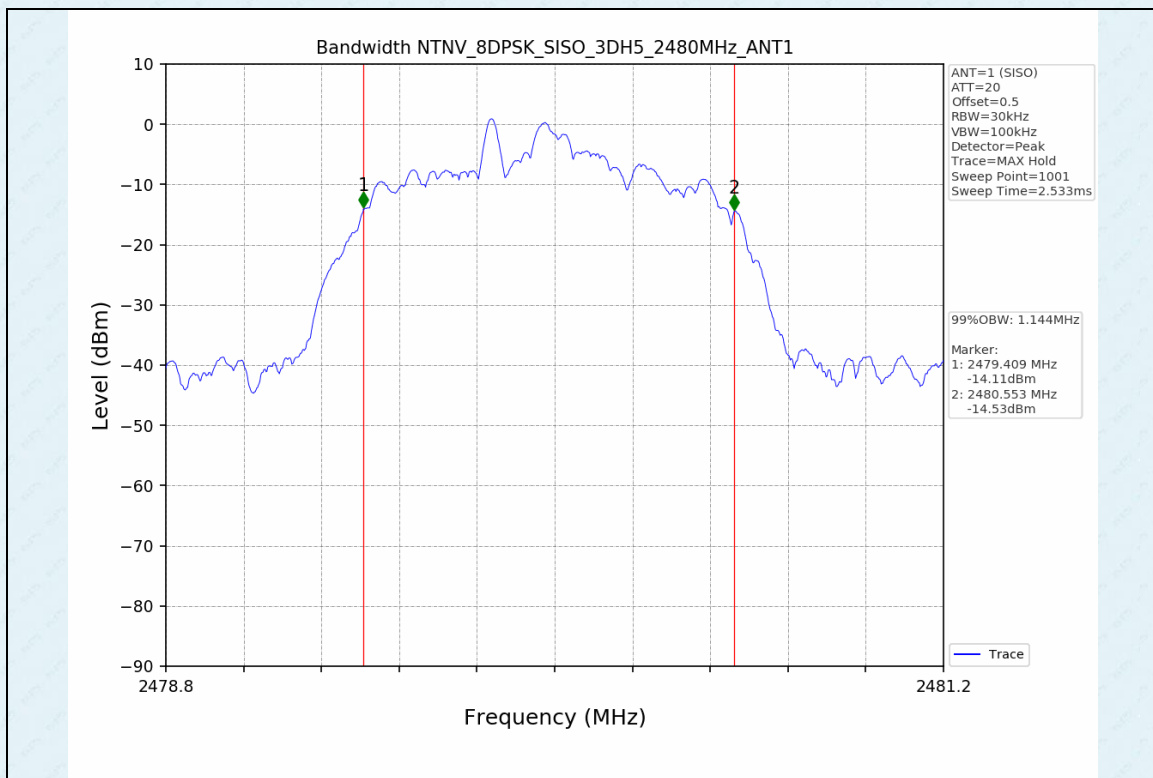
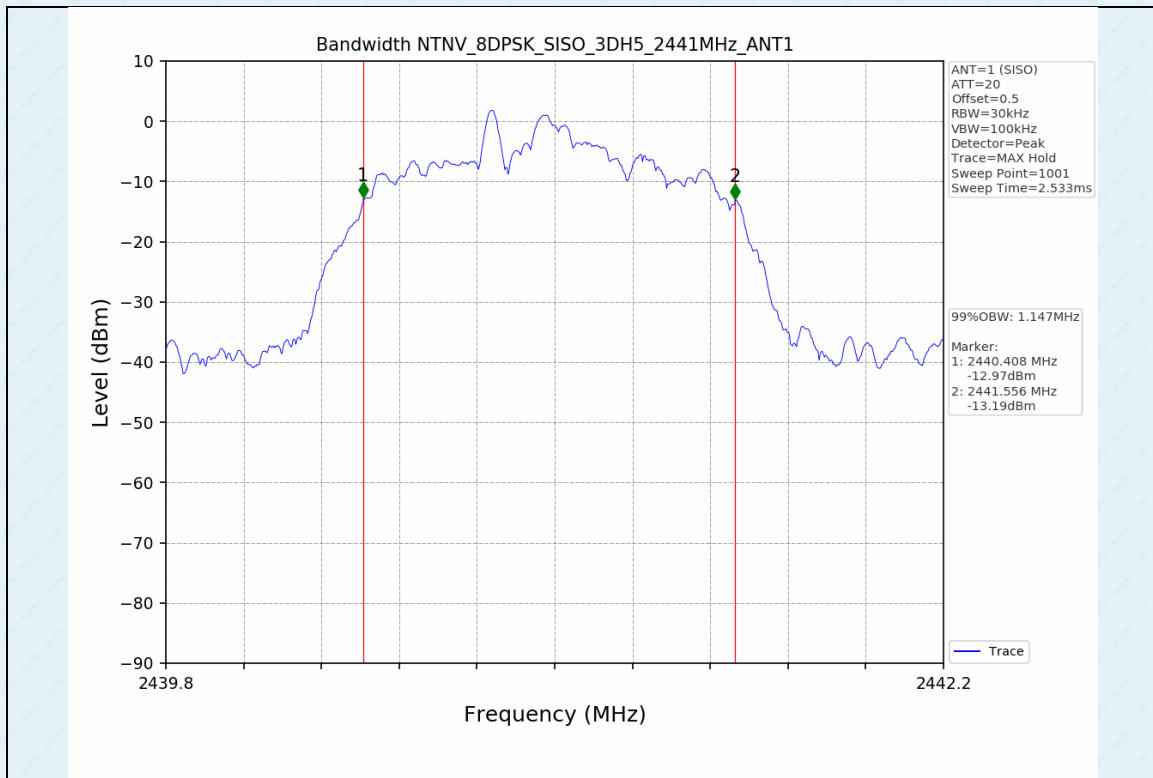
1.3 Test Graph - 99% Occupied Bandwidth









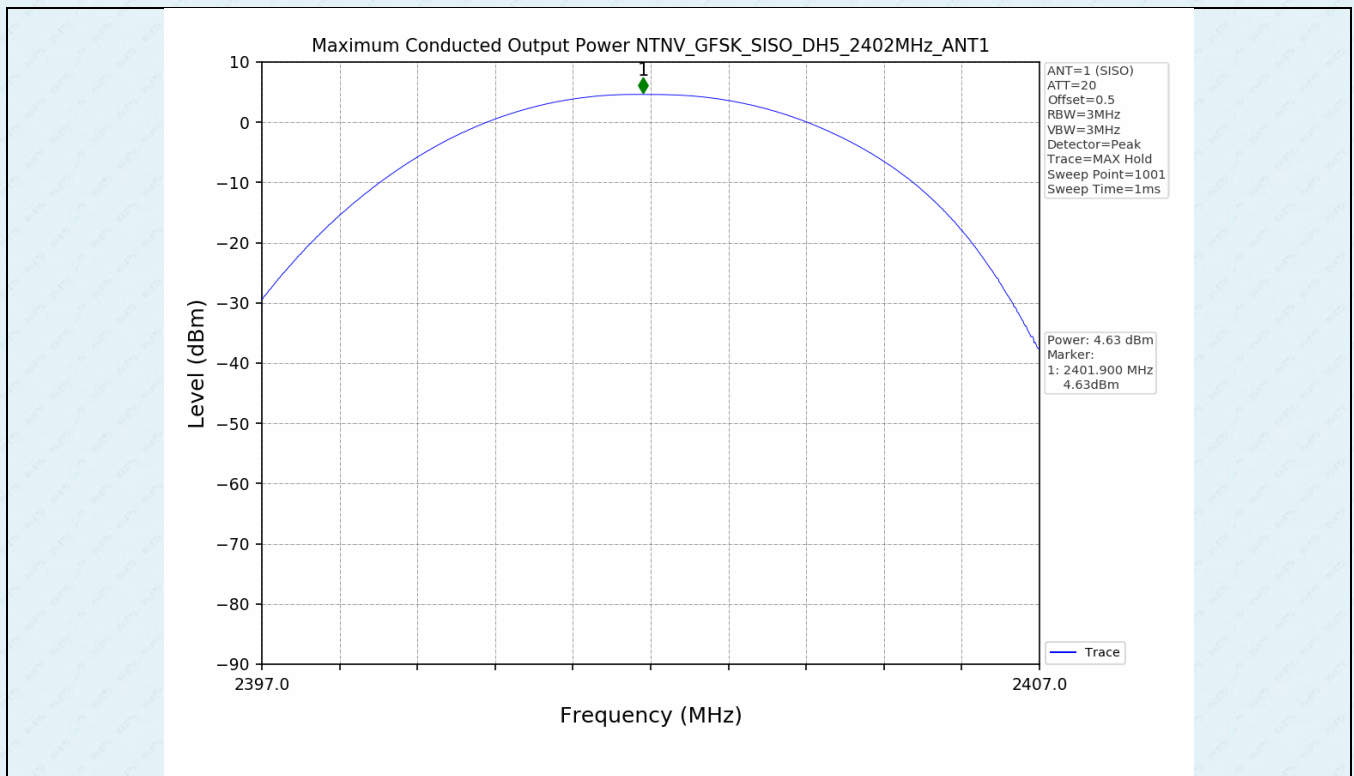


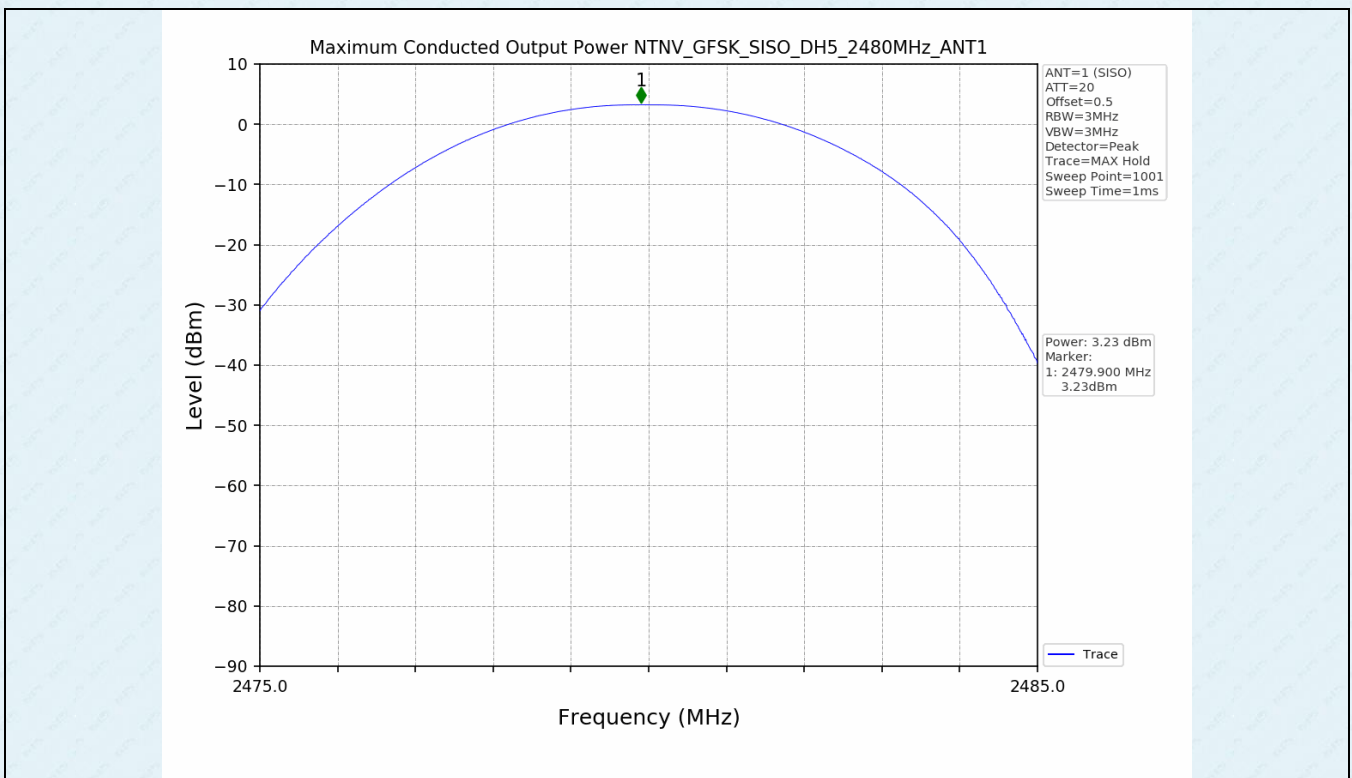
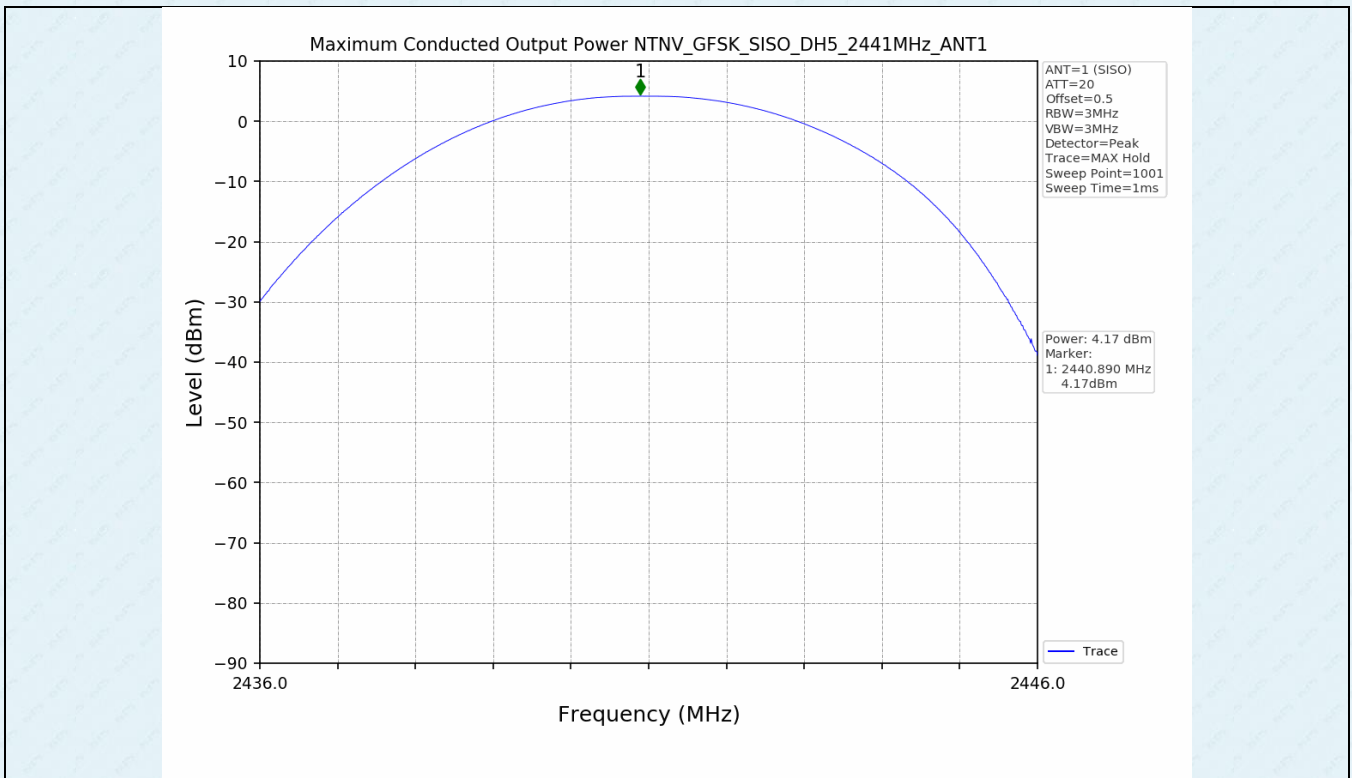
2. Maximum Conducted Output Power

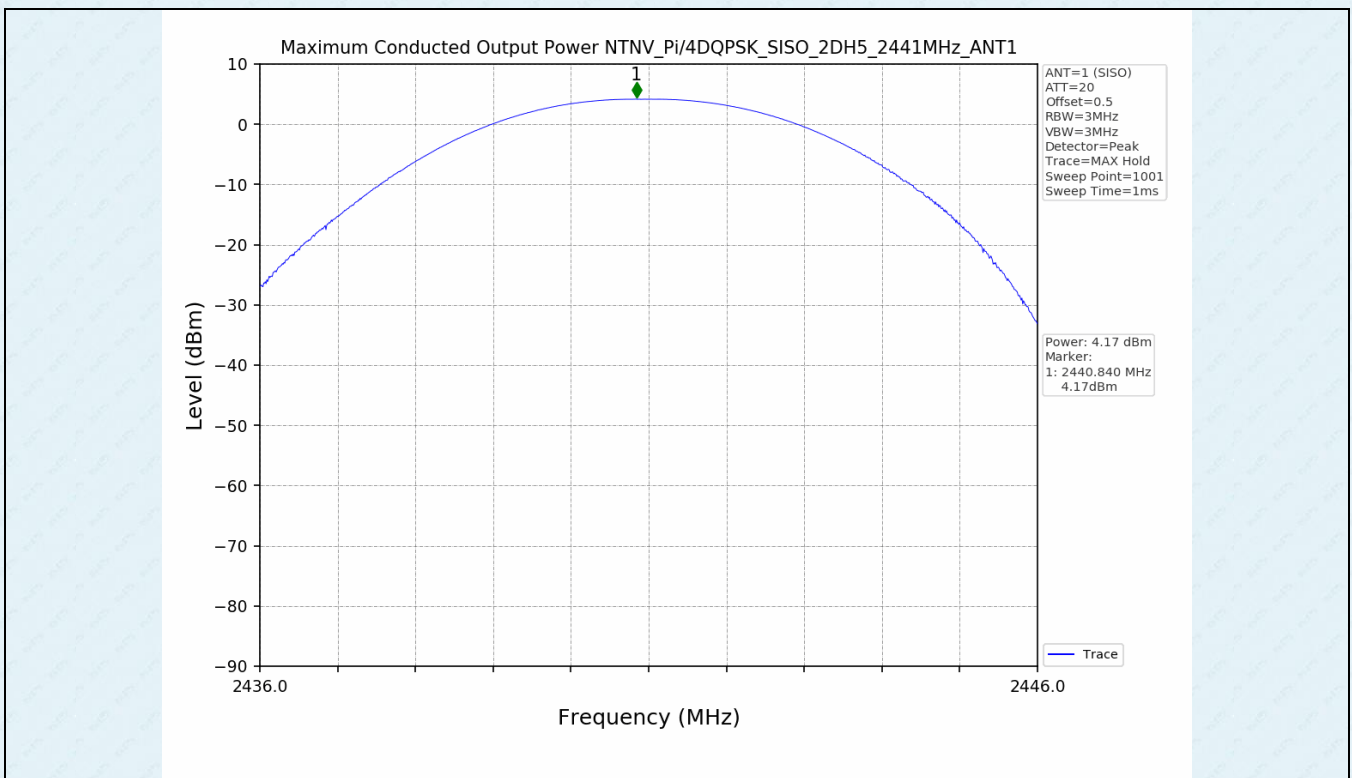
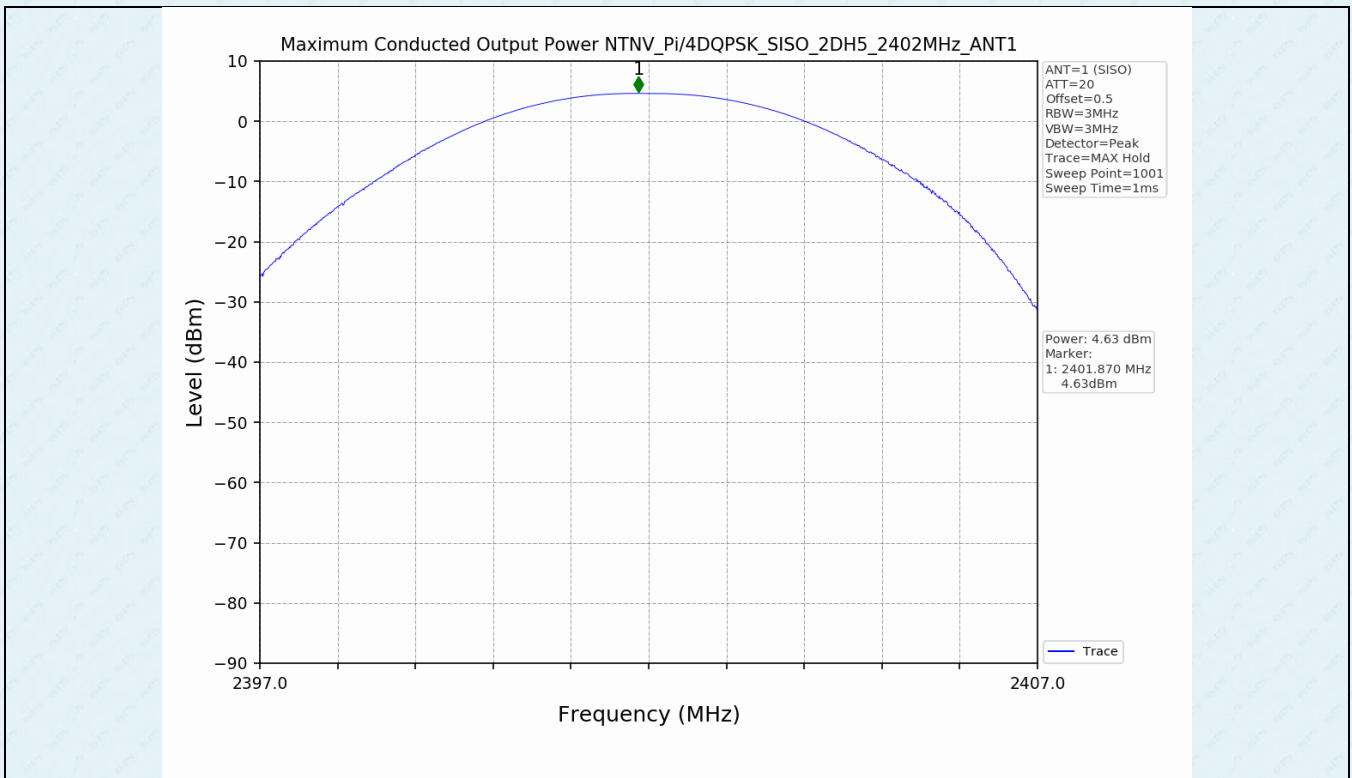
2.1 Test Result

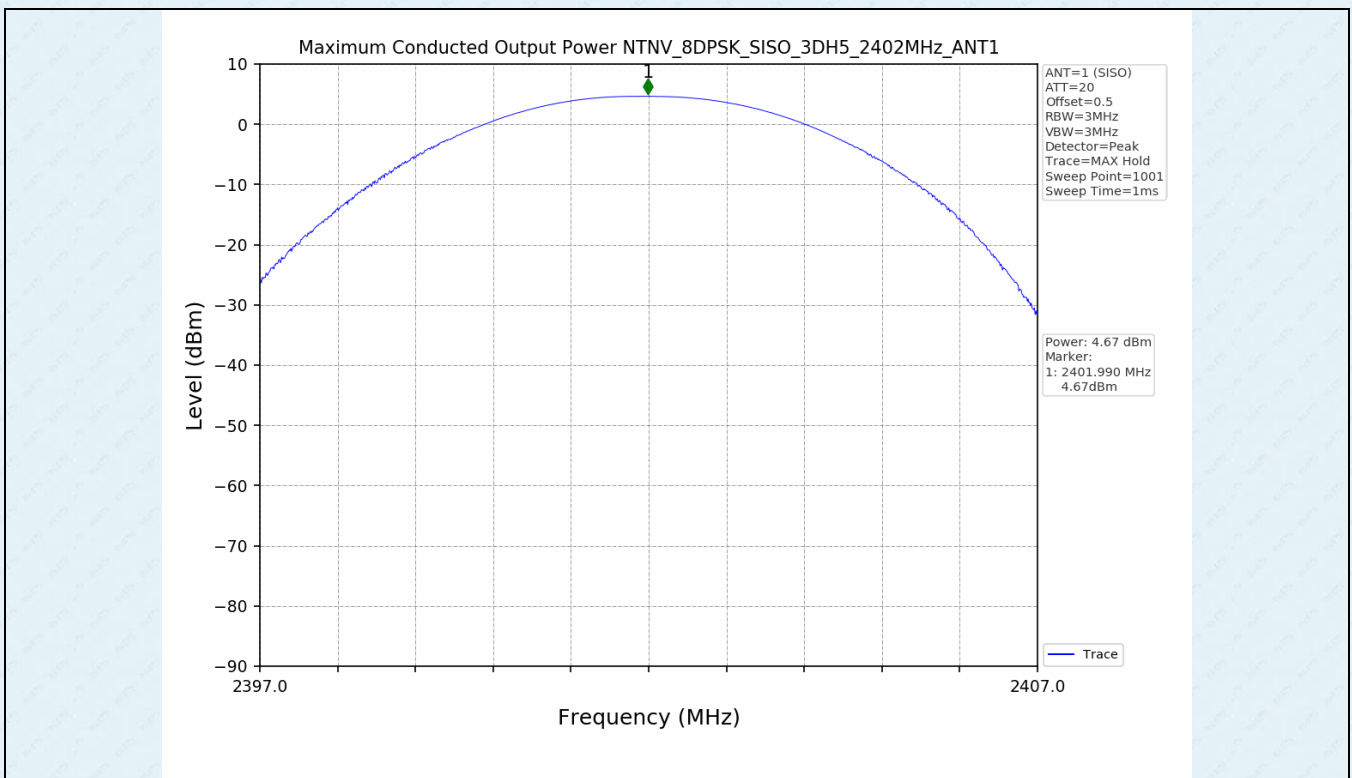
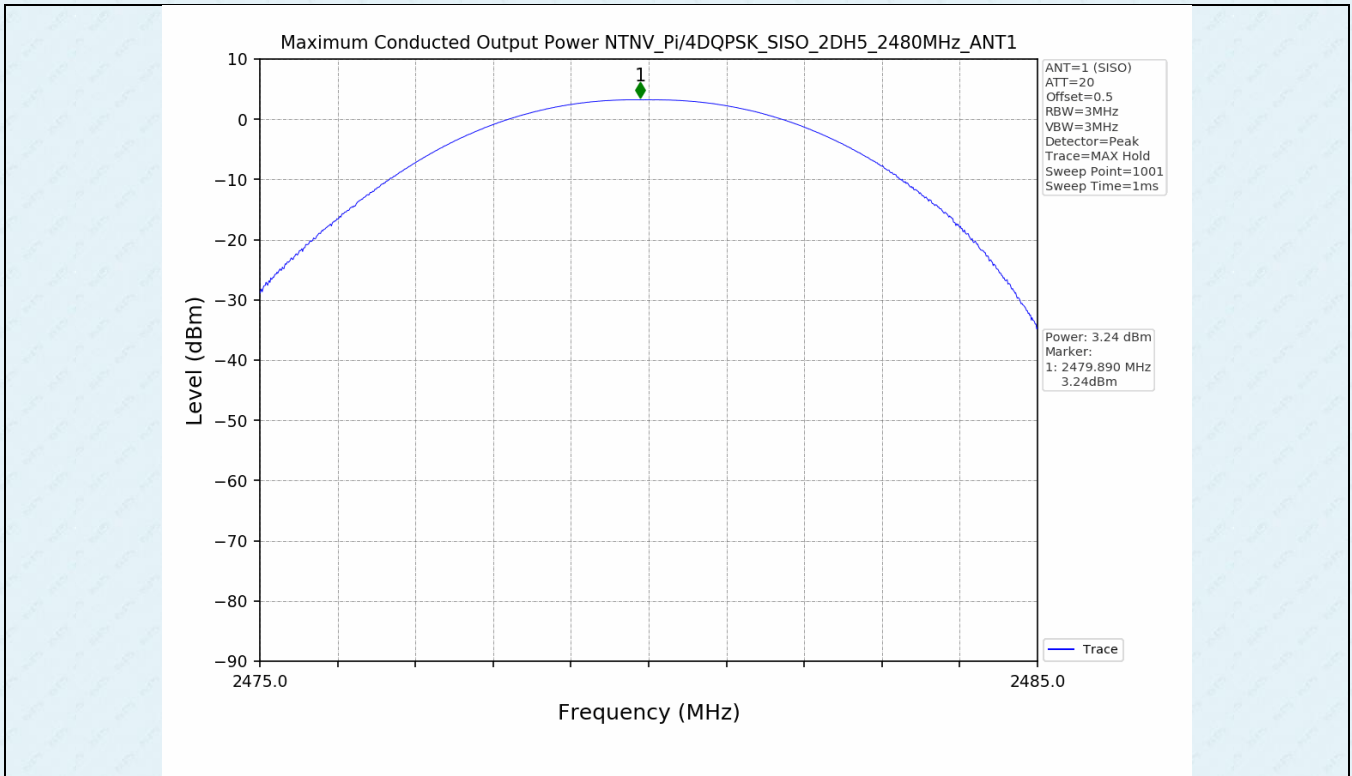
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	4.63	30	PASS
	2441	SISO	4.17	30	PASS
	2480	SISO	3.23	30	PASS
$\pi/4$ -DQPSK	2402	SISO	4.63	20.97	PASS
	2441	SISO	4.17	20.97	PASS
	2480	SISO	3.24	20.97	PASS
8-DPSK	2402	SISO	4.67	20.97	PASS
	2441	SISO	4.24	20.97	PASS
	2480	SISO	3.34	20.97	PASS

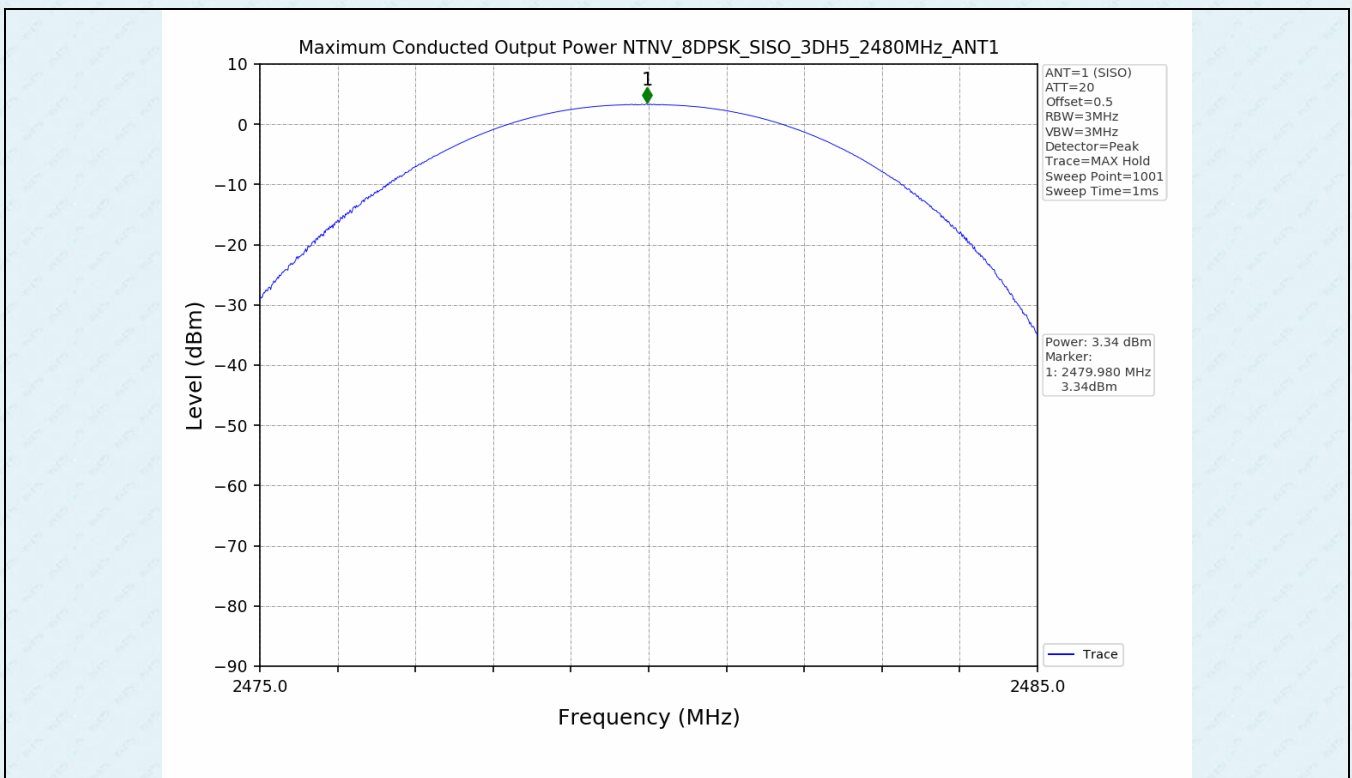
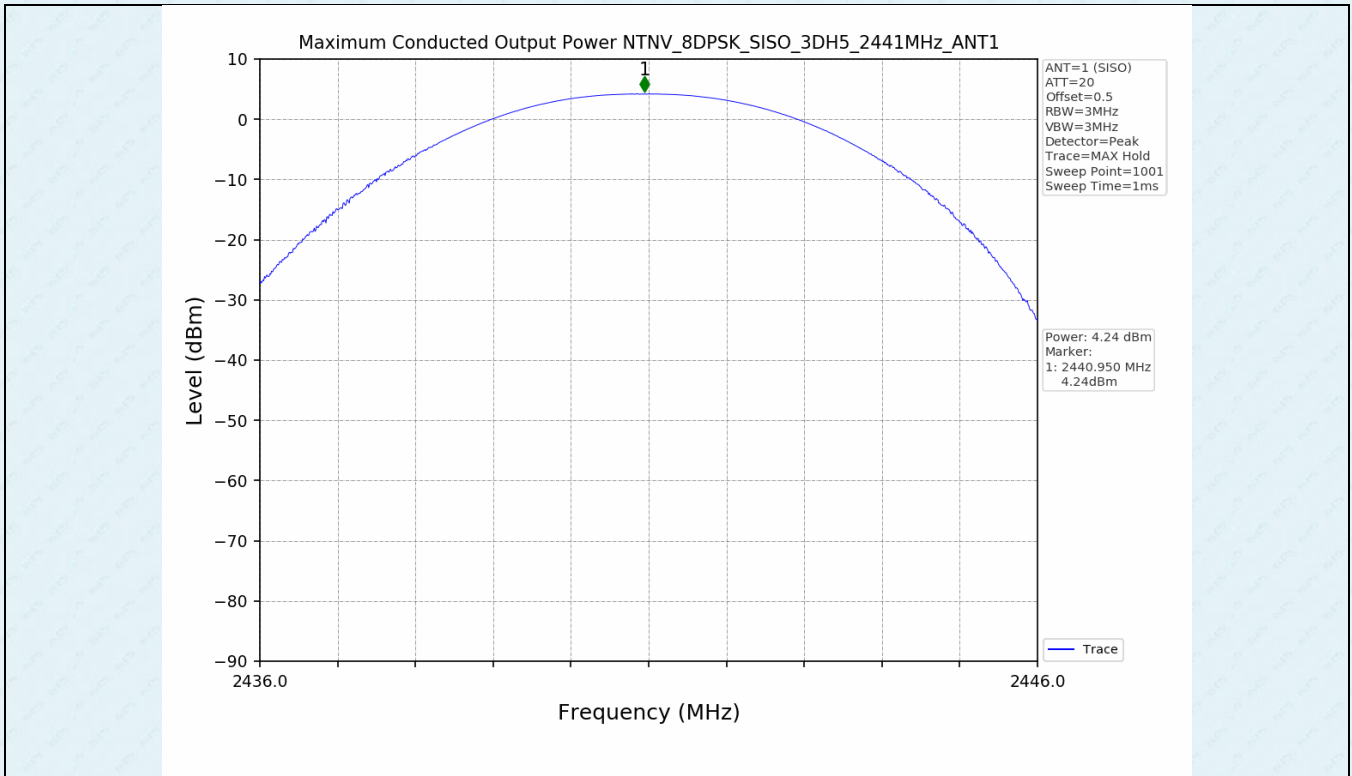
2.2 Test Graph









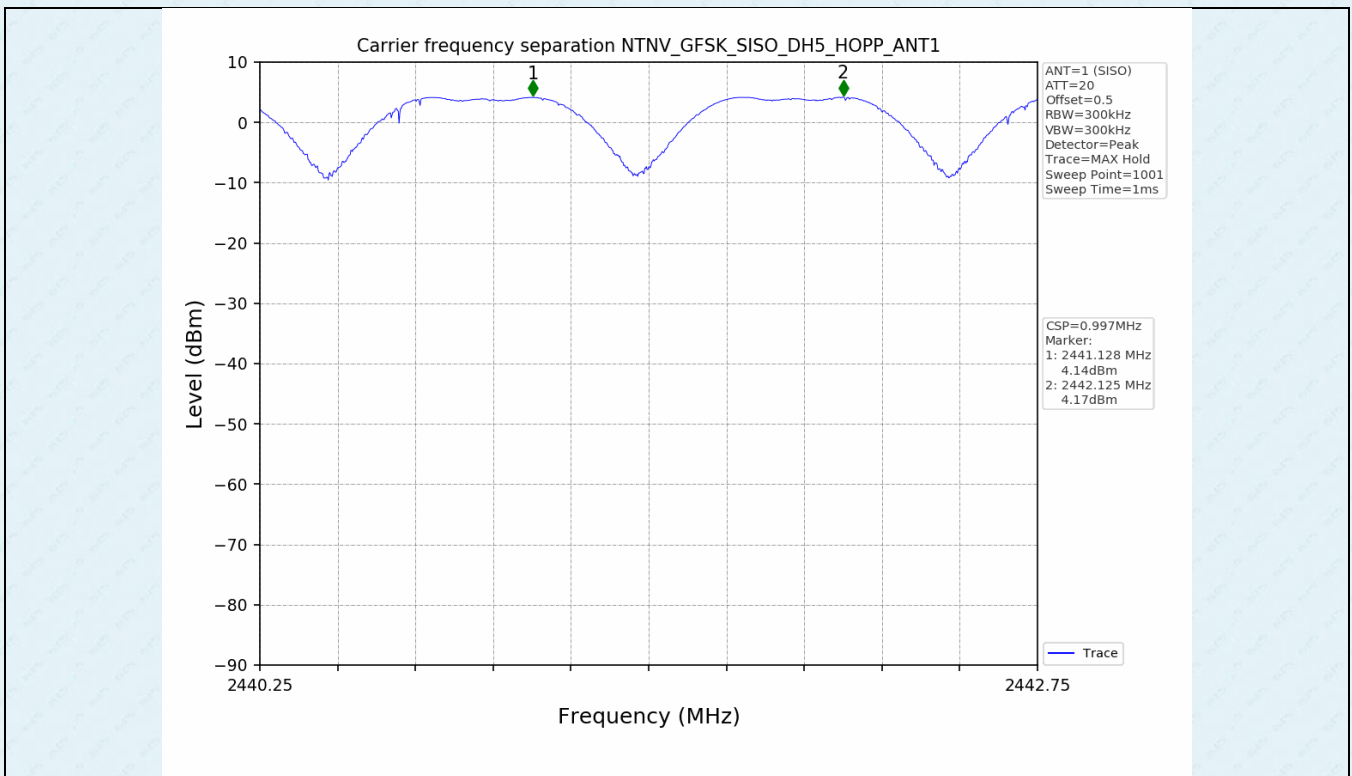


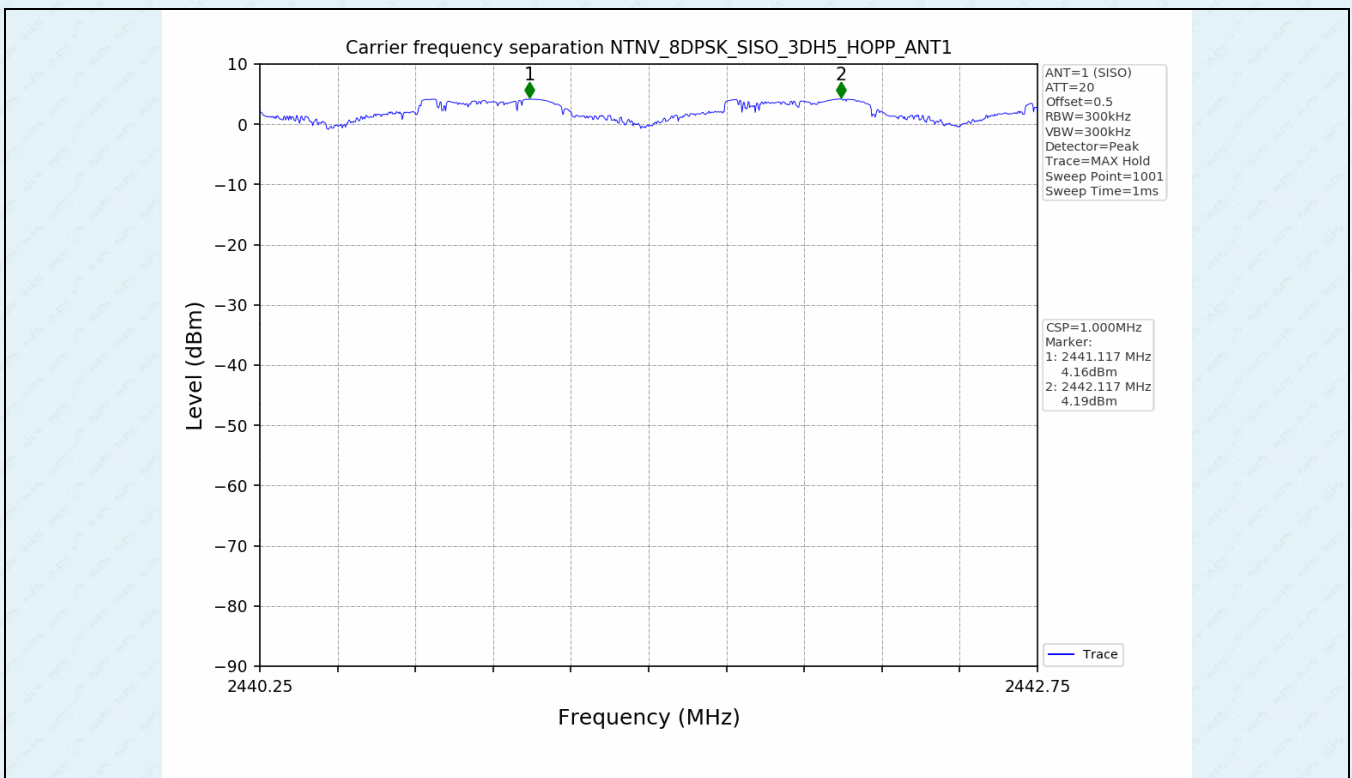
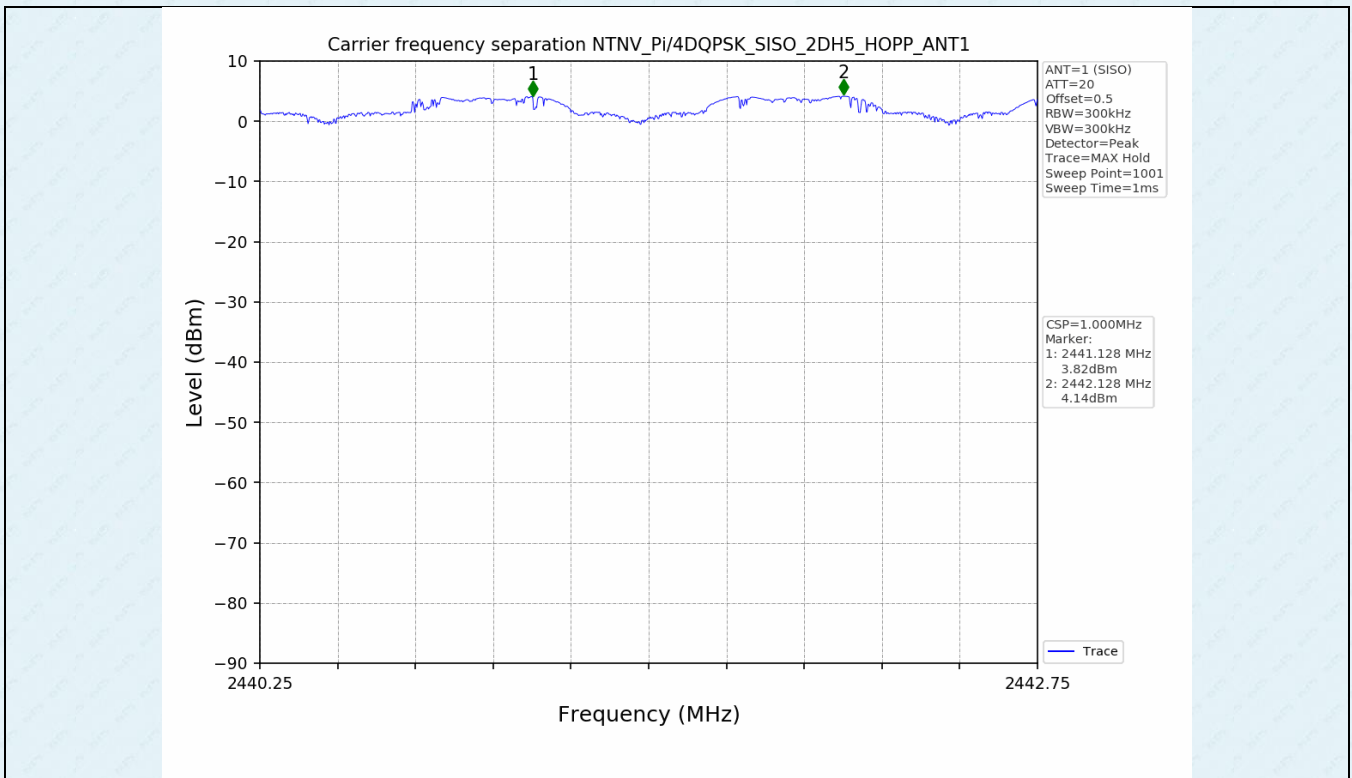
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	0.997	0.927	≥ 0.927	PASS
$\pi/4$ -DQPSK	SISO	1	1.000	1.234	≥ 0.823	PASS
8-DPSK	SISO	1	1.000	1.235	≥ 0.823	PASS

3.2 Test Graph



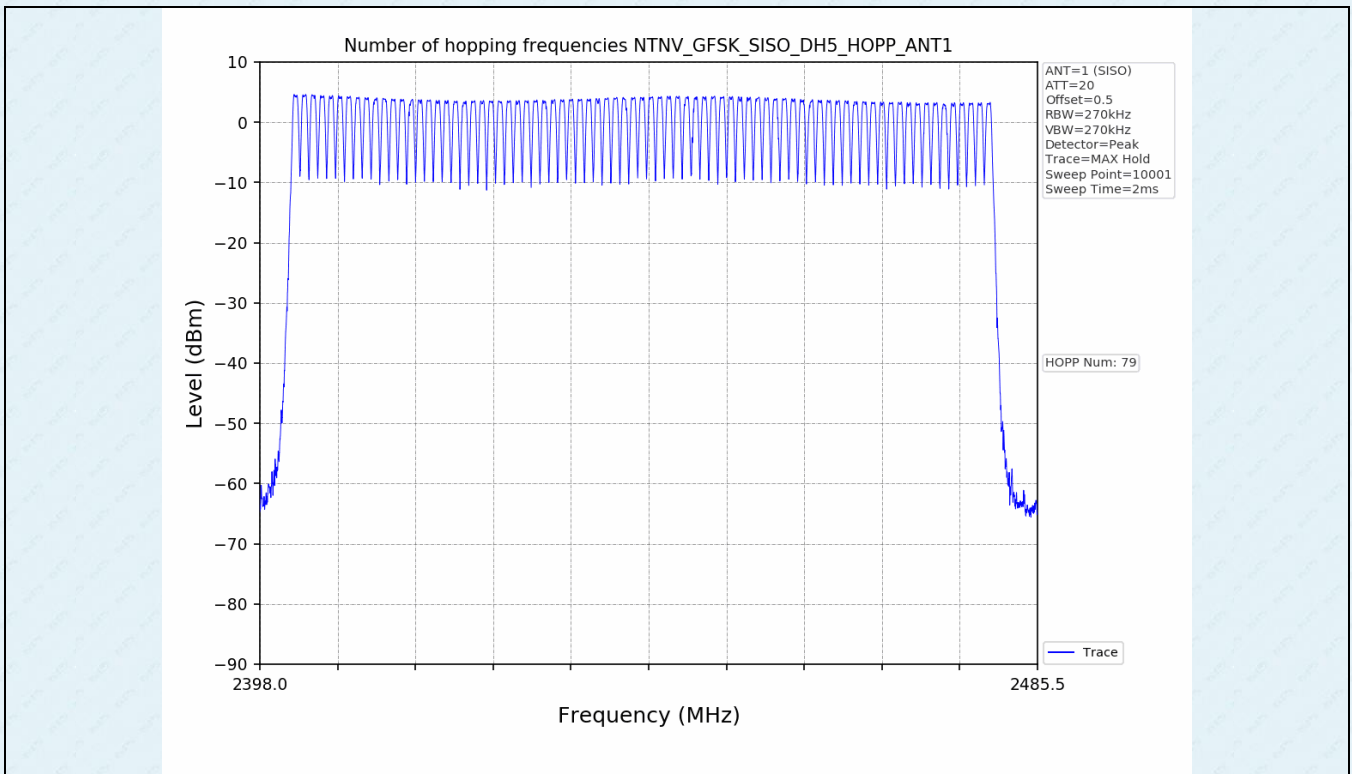


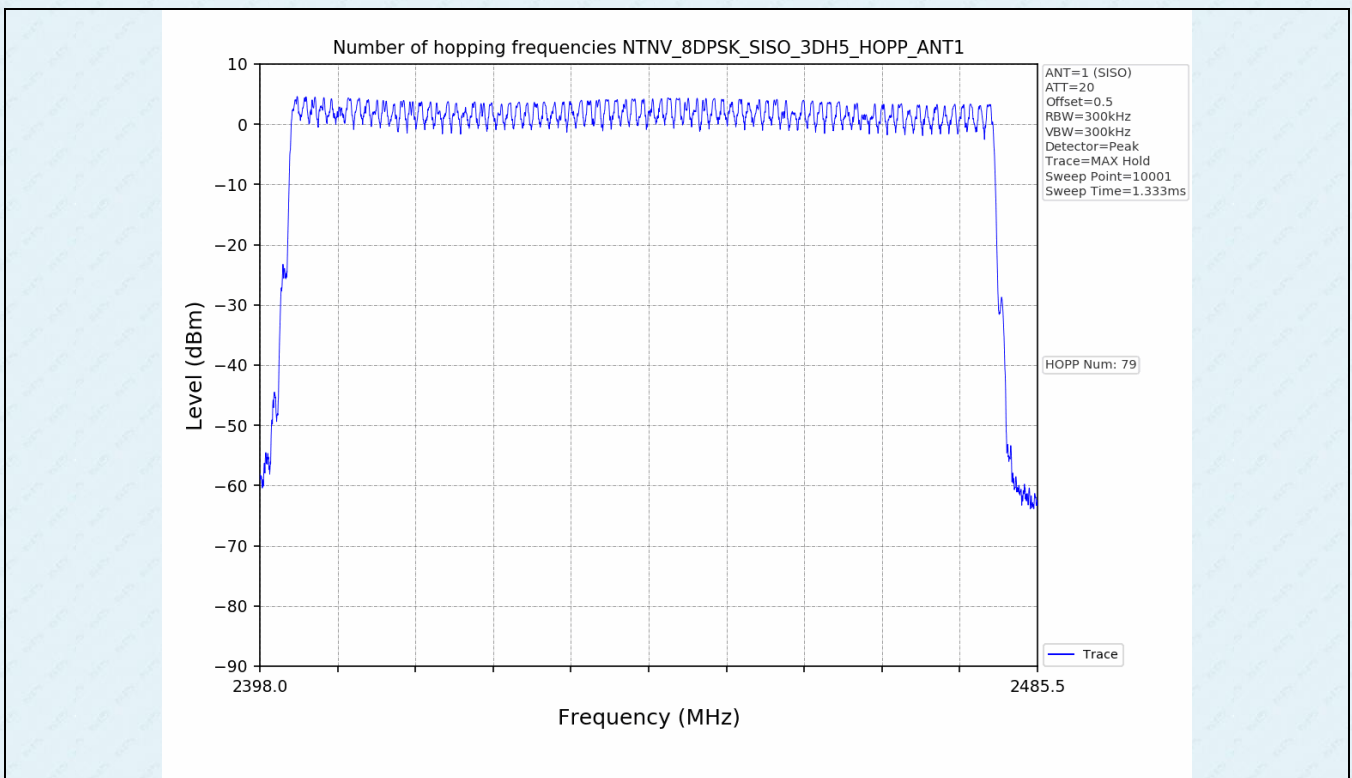
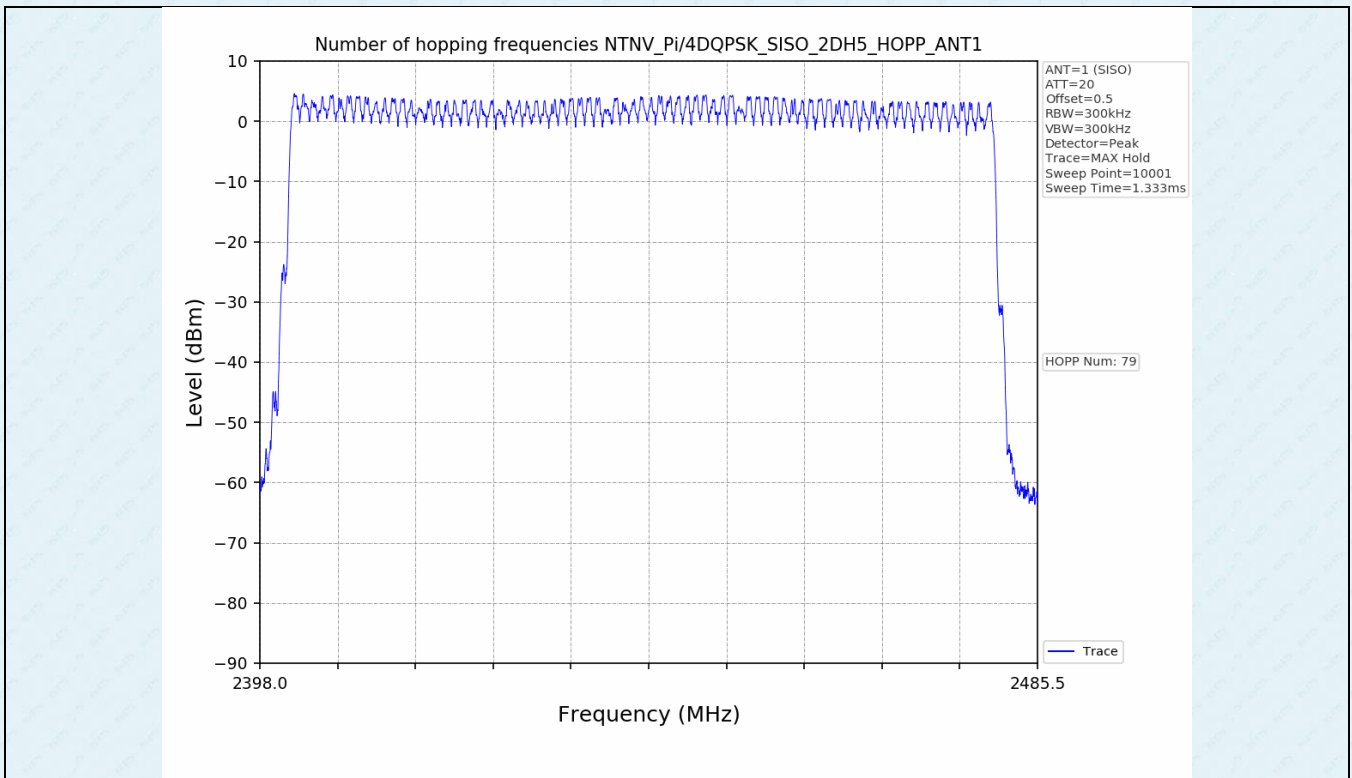
4. Number of hopping frequencies

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



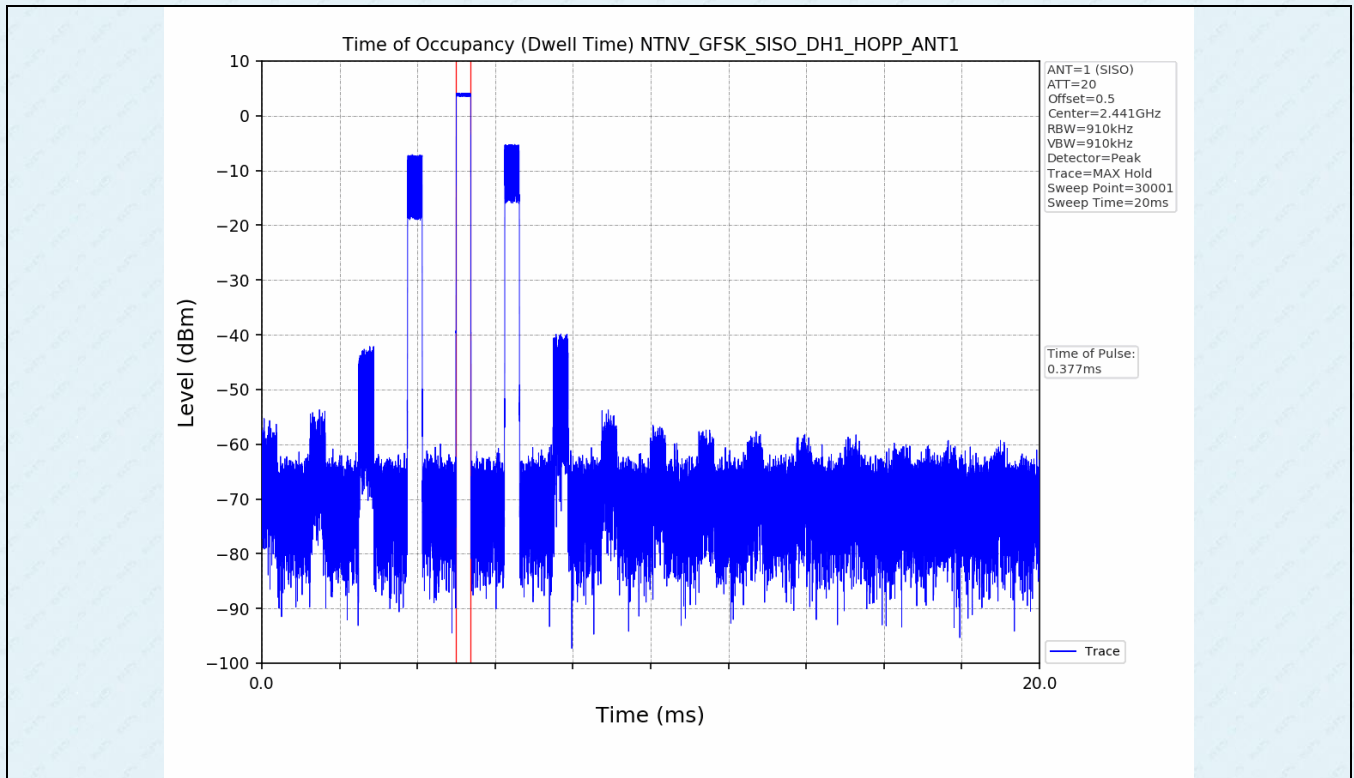


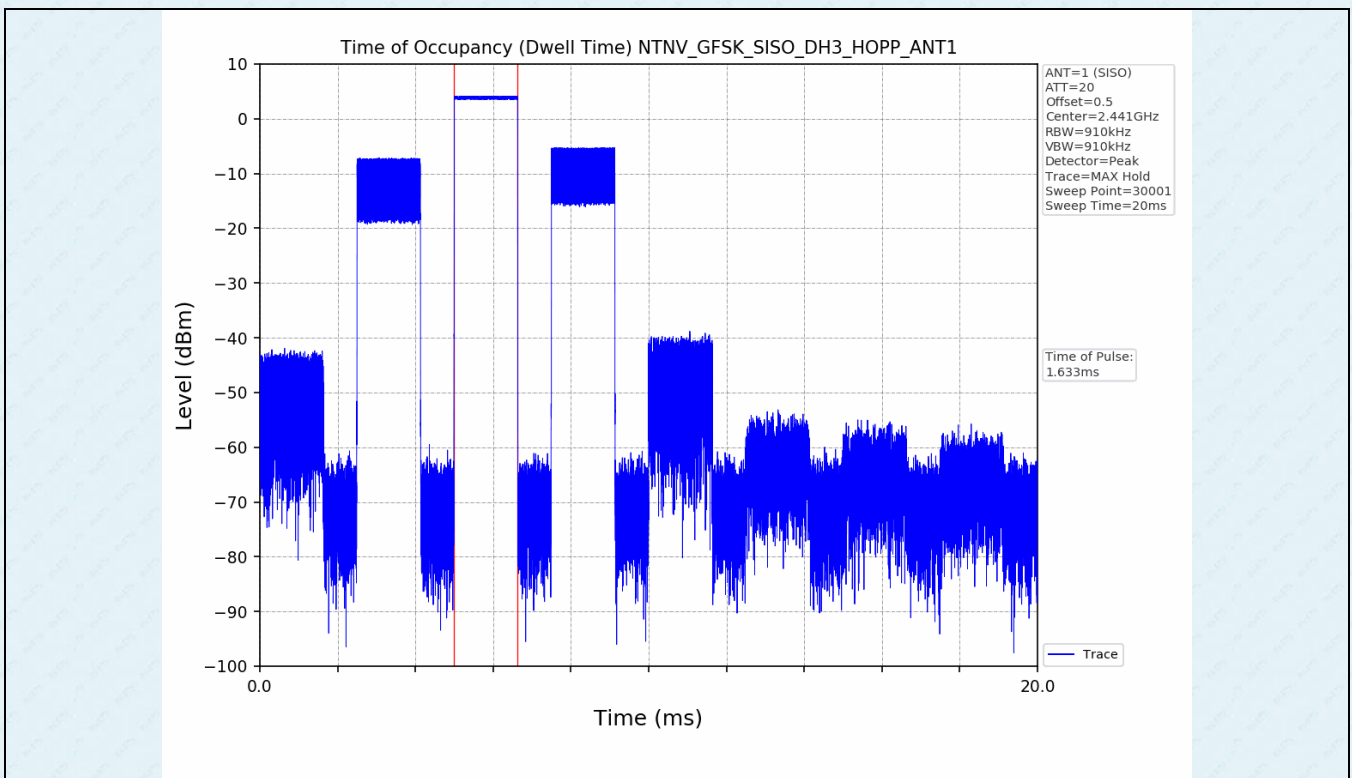
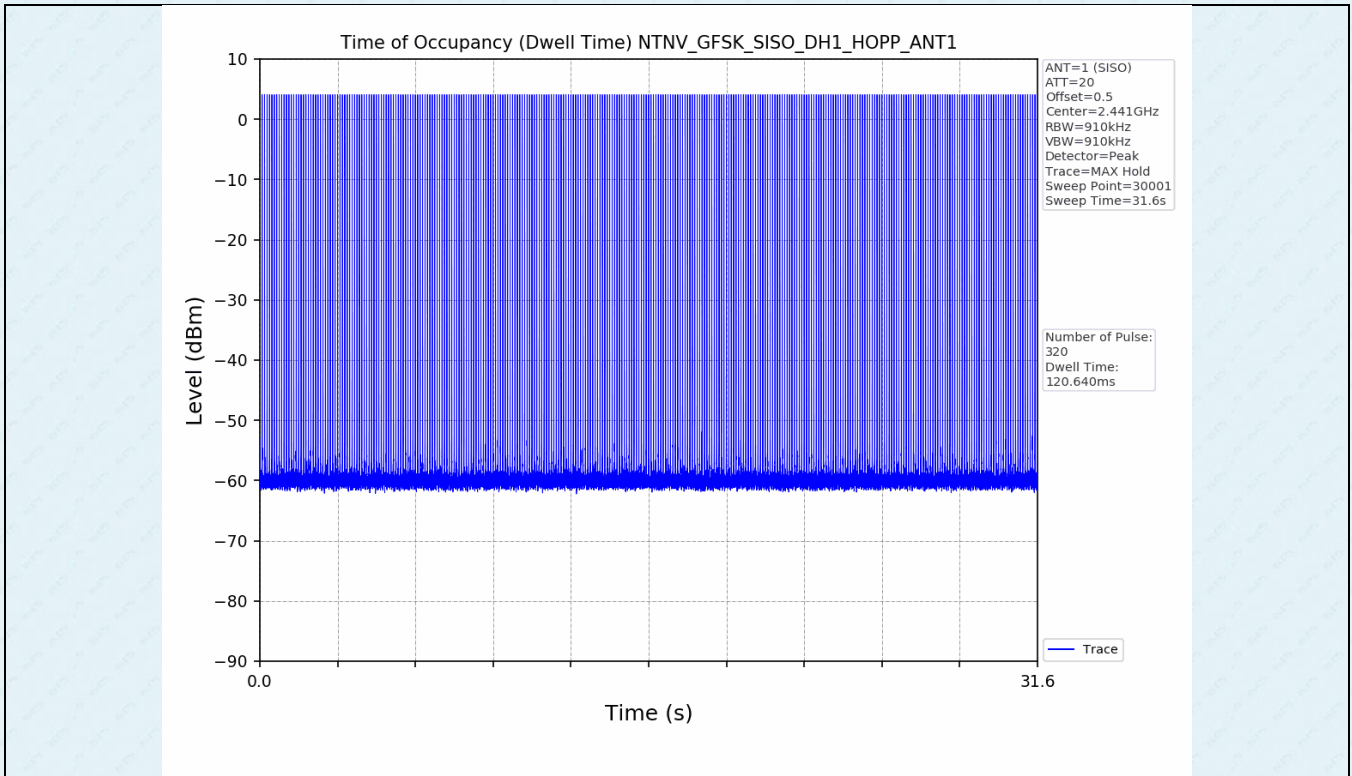
5. Time of Occupancy (Dwell Time)

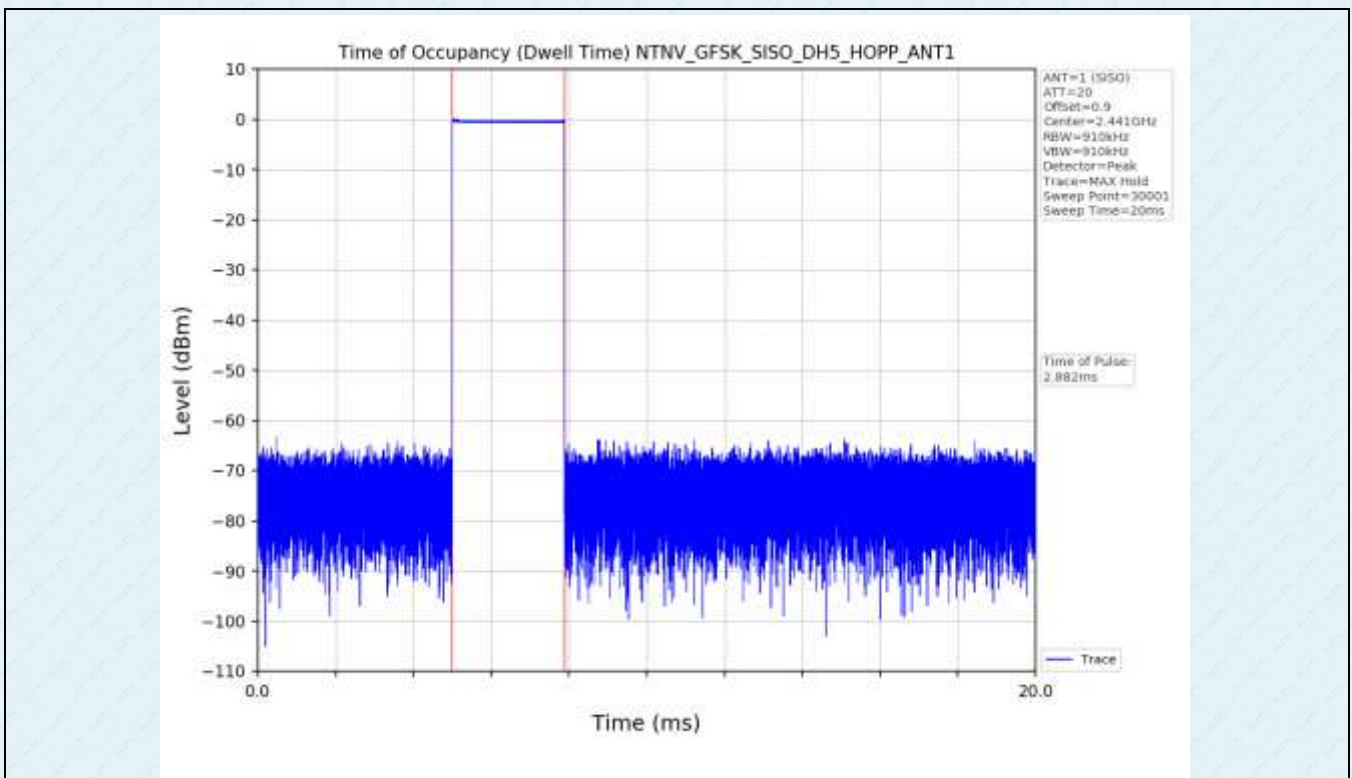
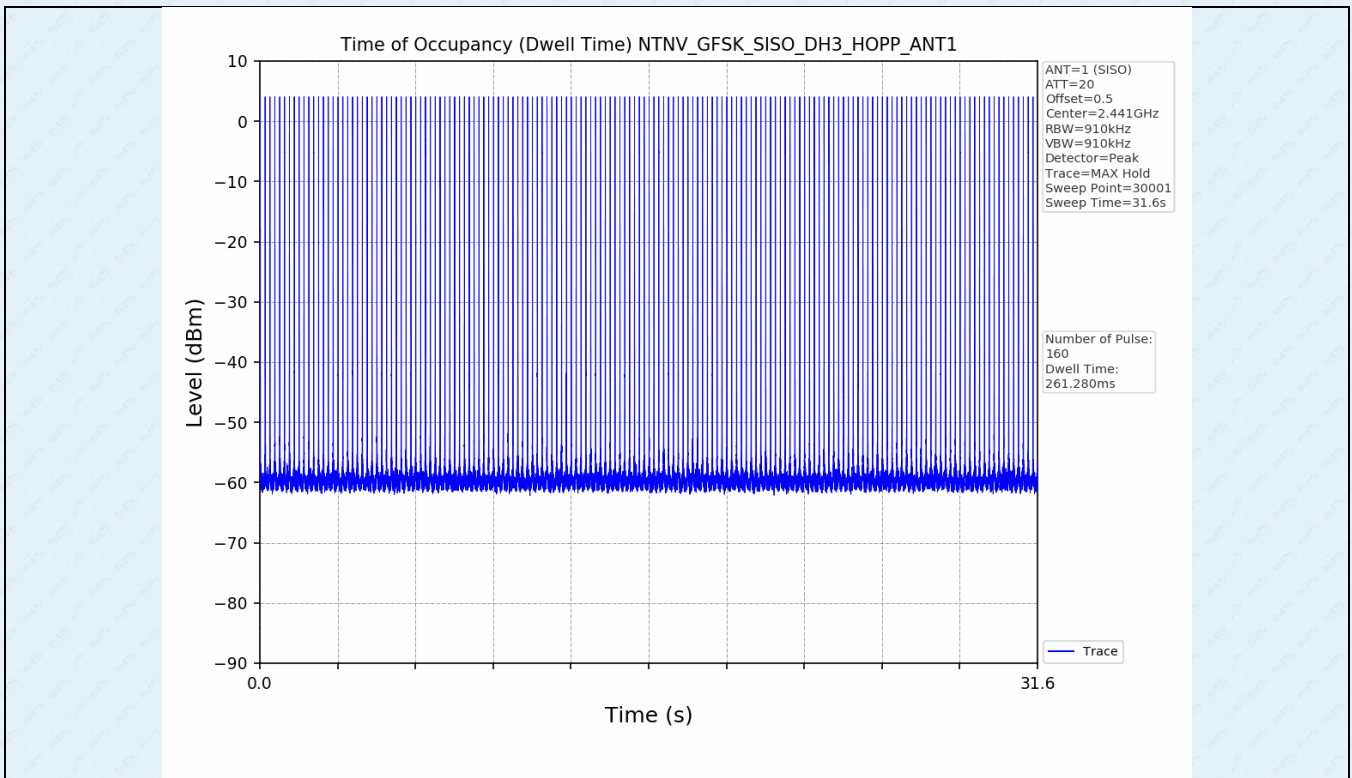
5.1 Test Result

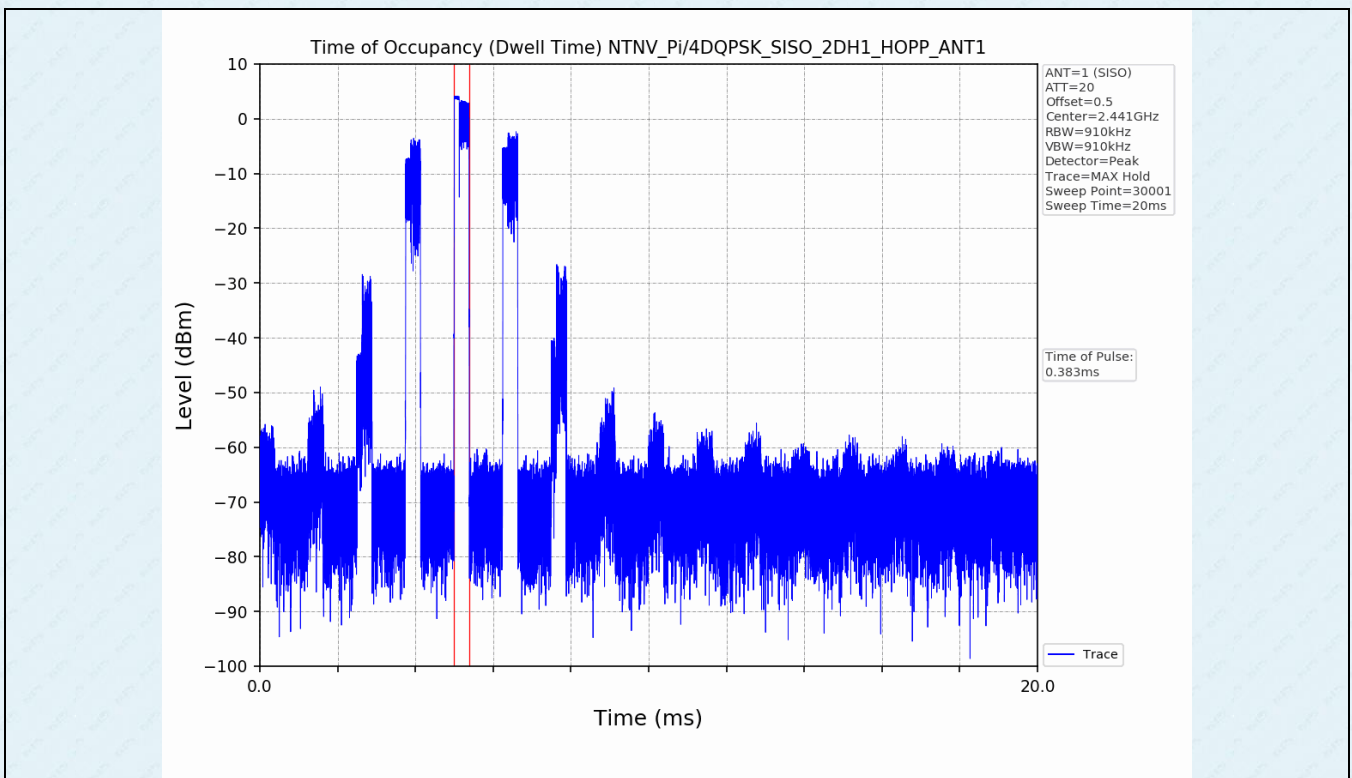
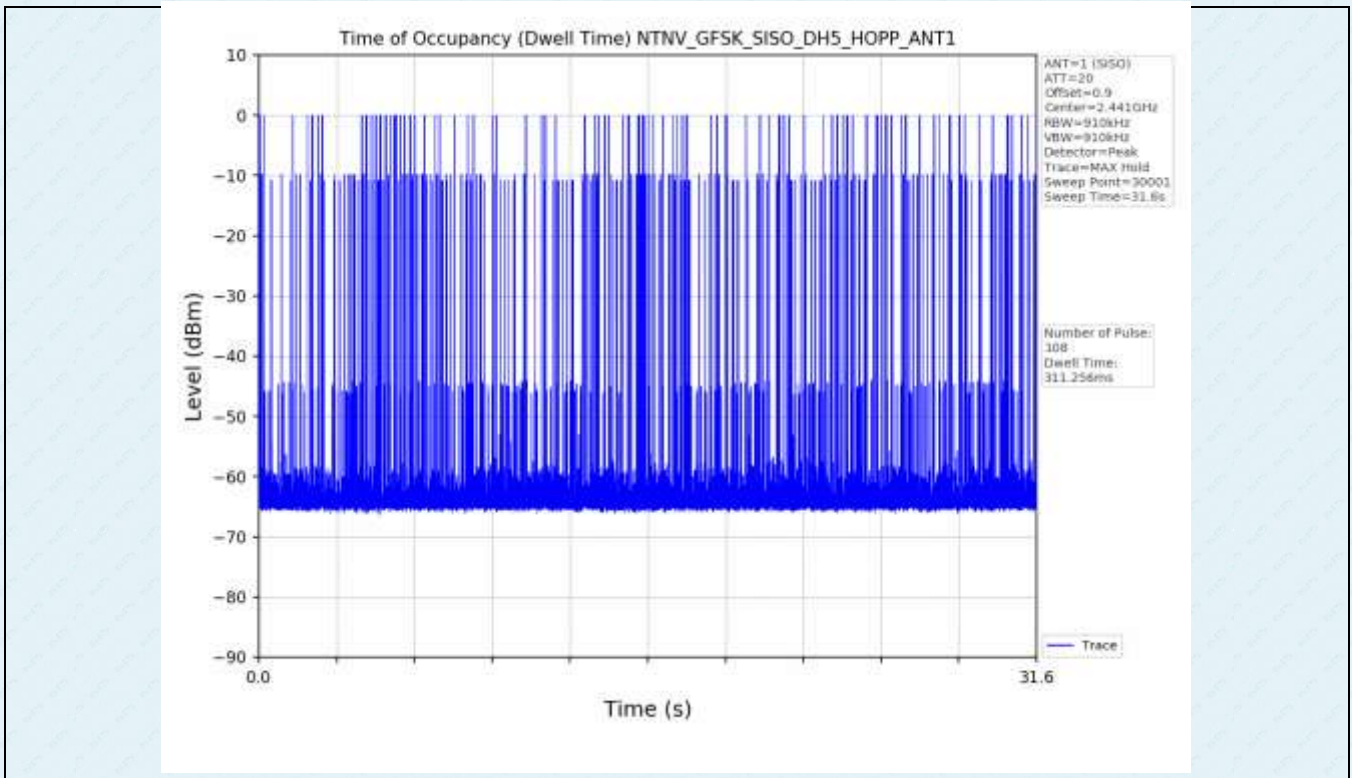
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.377	31.6	320	120.640	≤400	PASS
	DH3	SISO	1	1.633	31.6	160	261.280	≤400	PASS
	DH5	SISO	1	2.882	31.6	108	311.256	≤400	PASS
π/4-DQPSK	2DH1	SISO	1	0.383	31.6	320	122.560	≤400	PASS
	2DH3	SISO	1	1.635	31.6	160	261.600	≤400	PASS
	2DH5	SISO	1	2.883	31.6	106	305.598	≤400	PASS
8-DPSK	3DH1	SISO	1	0.383	31.6	320	122.560	≤400	PASS
	3DH3	SISO	1	1.634	31.6	160	261.440	≤400	PASS
	3DH5	SISO	1	2.885	31.6	107	308.695	≤400	PASS

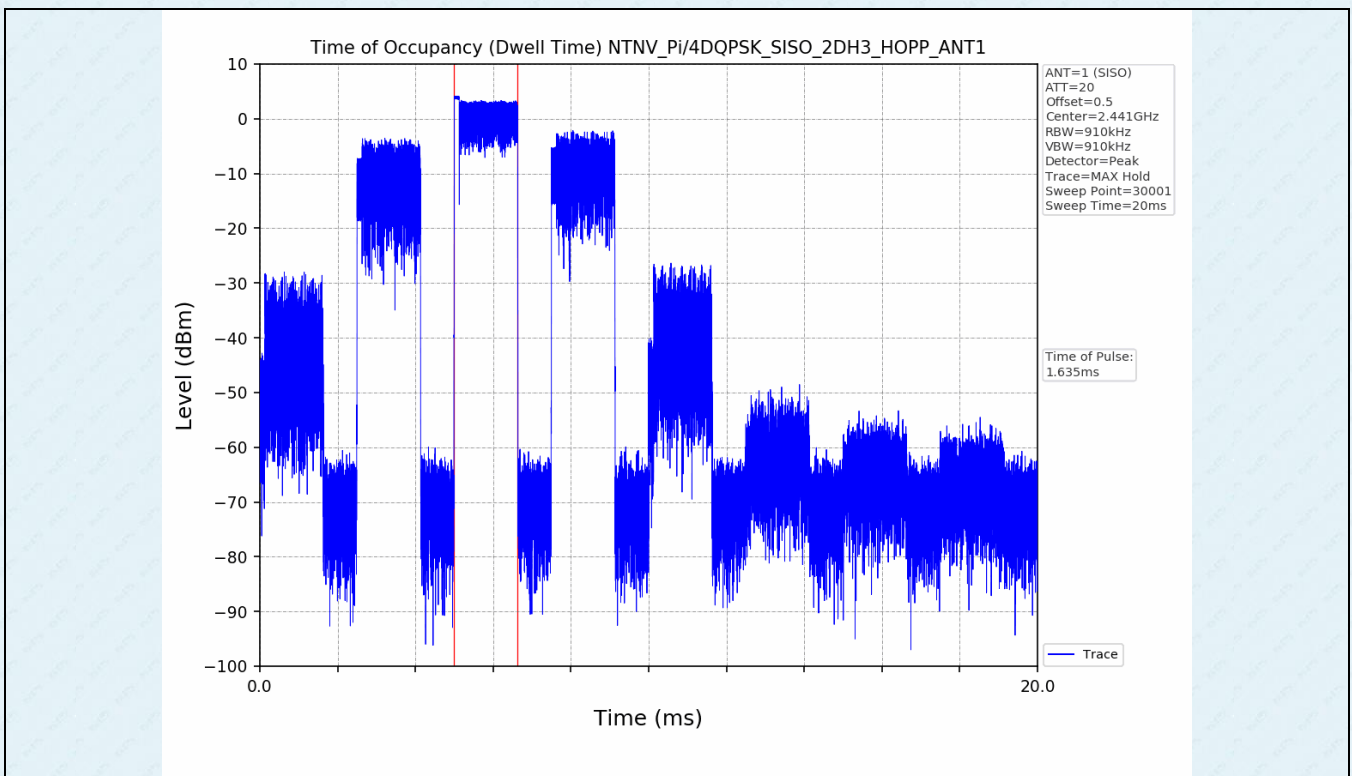
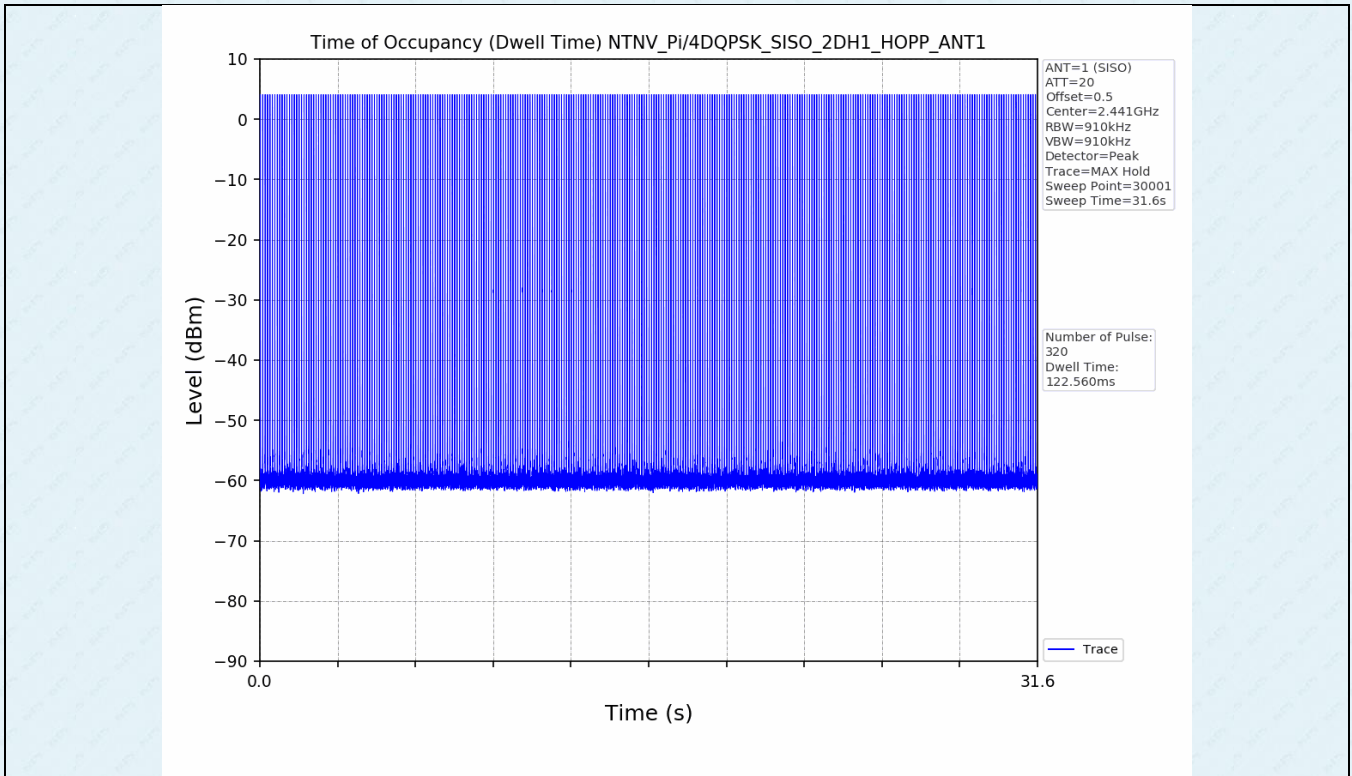
5.2 Test Graph

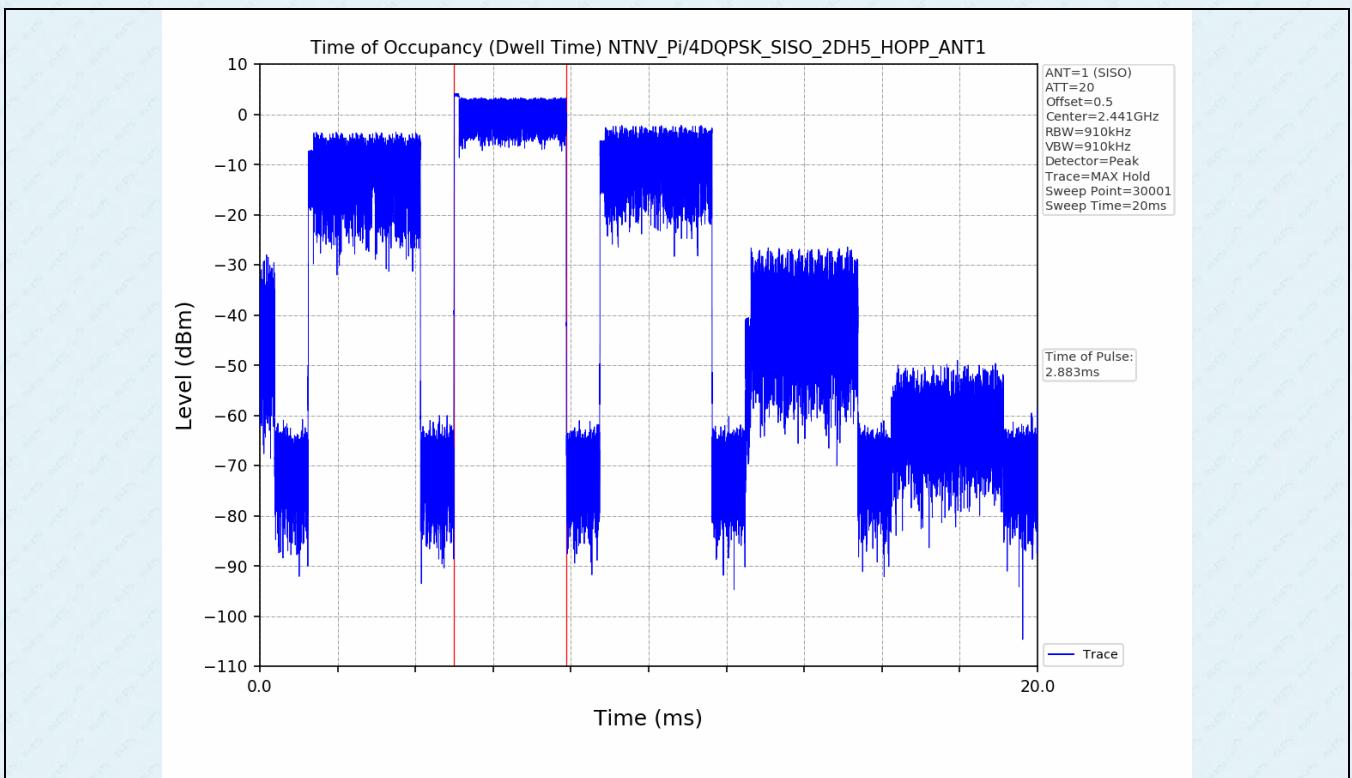
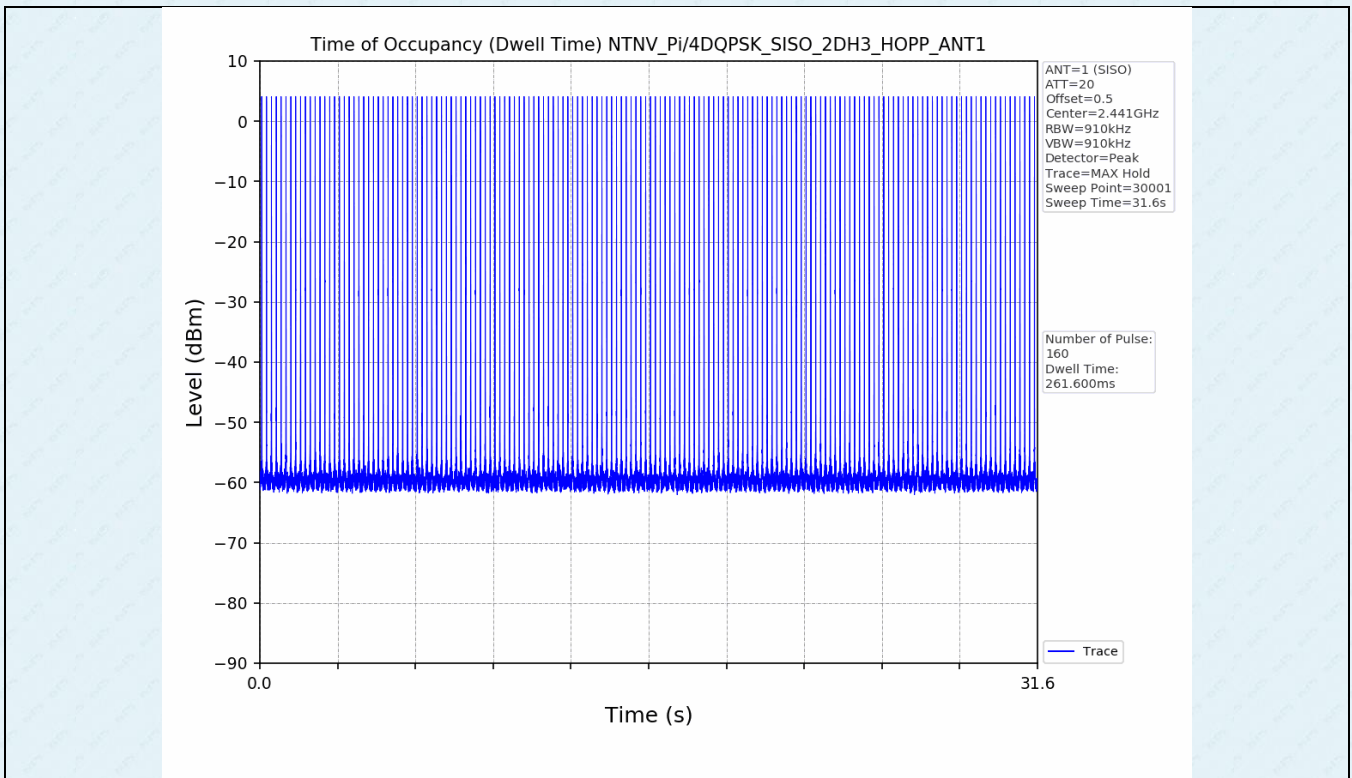


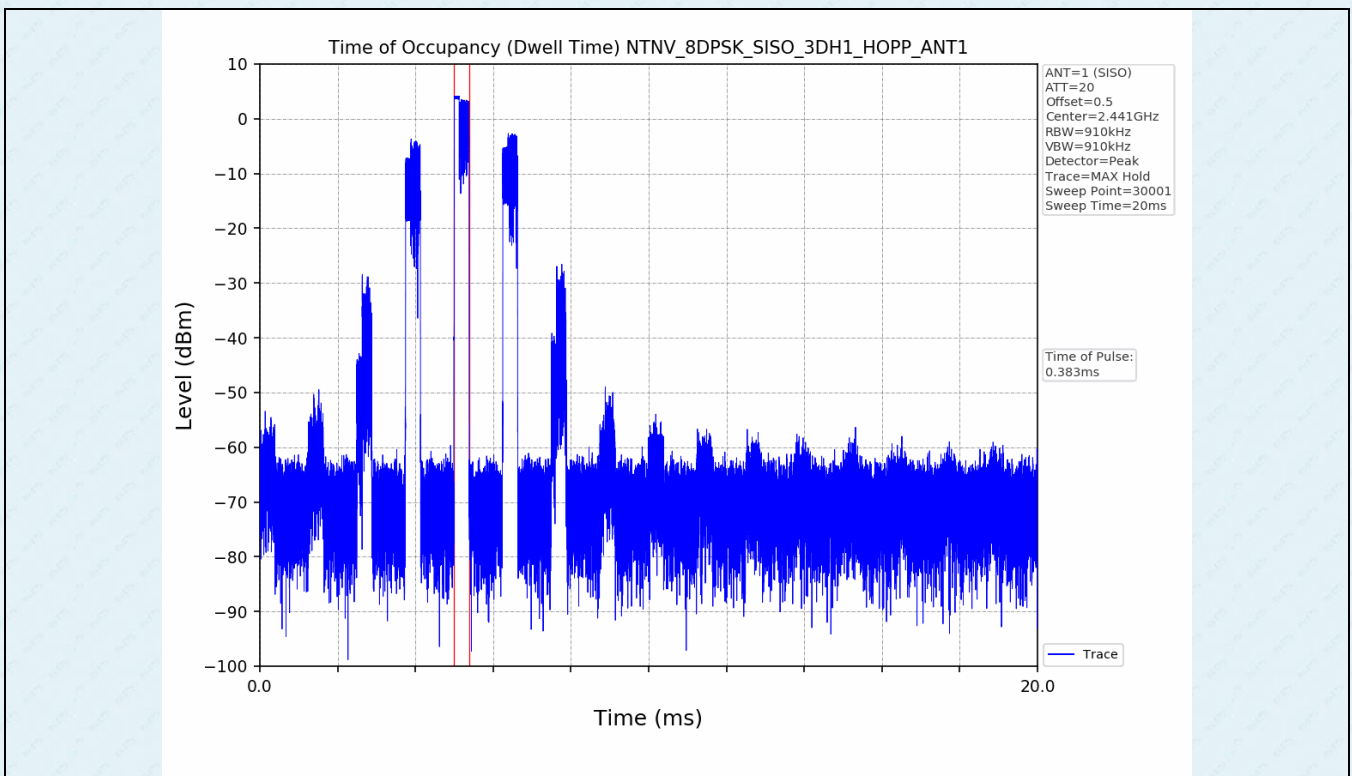
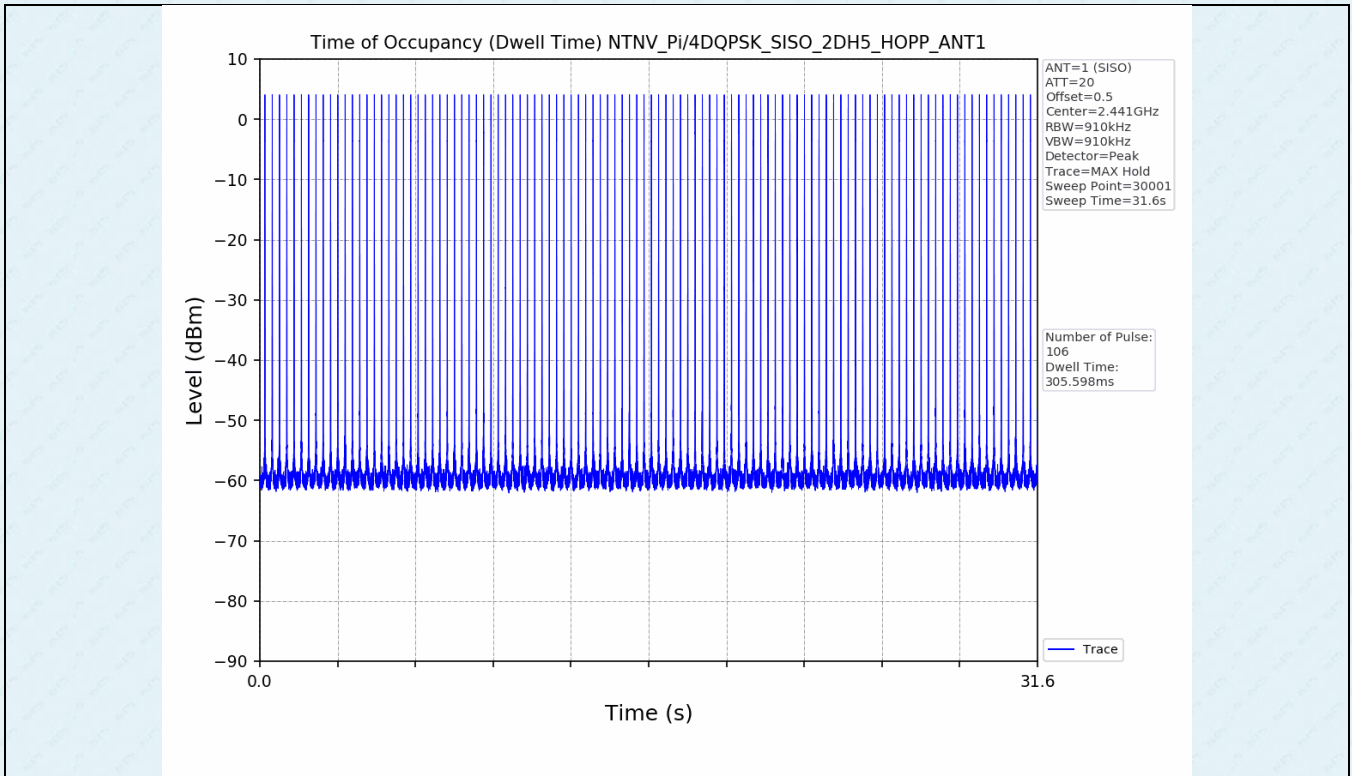


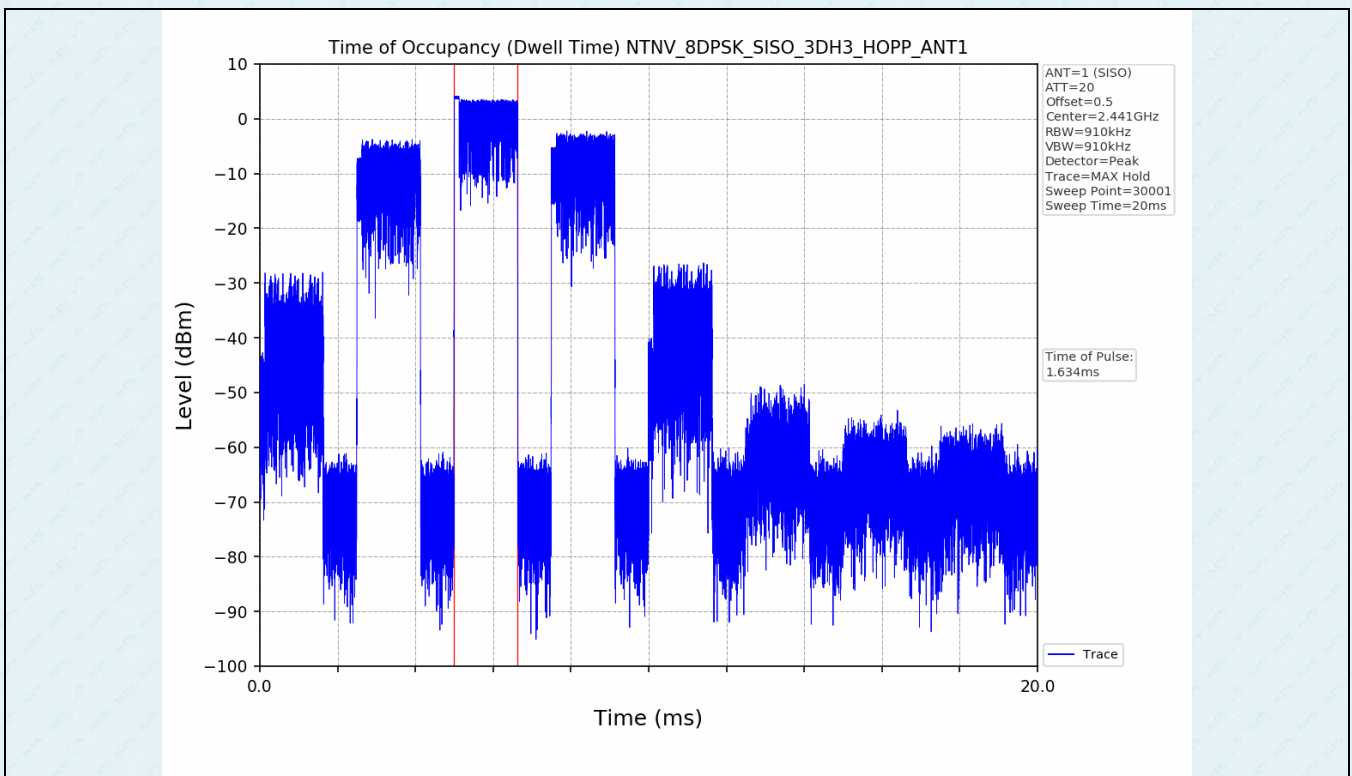
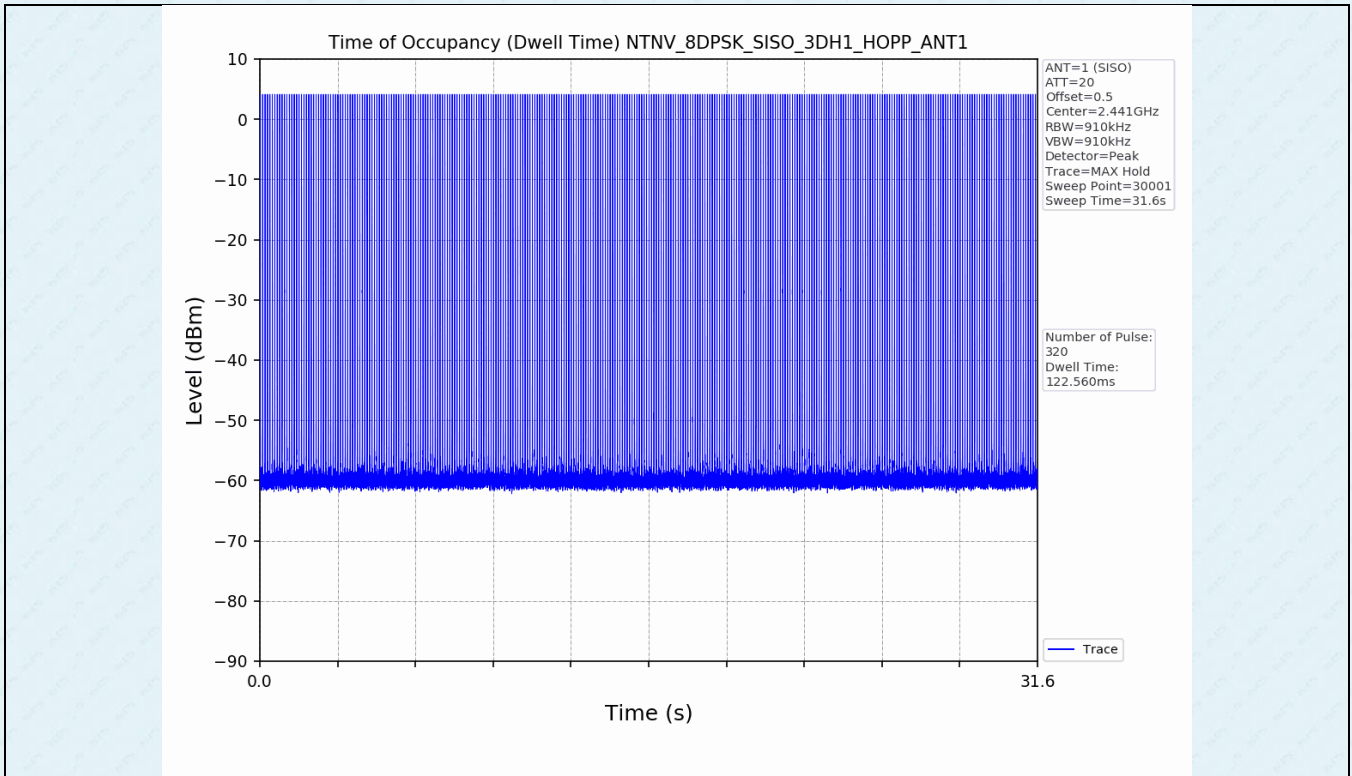


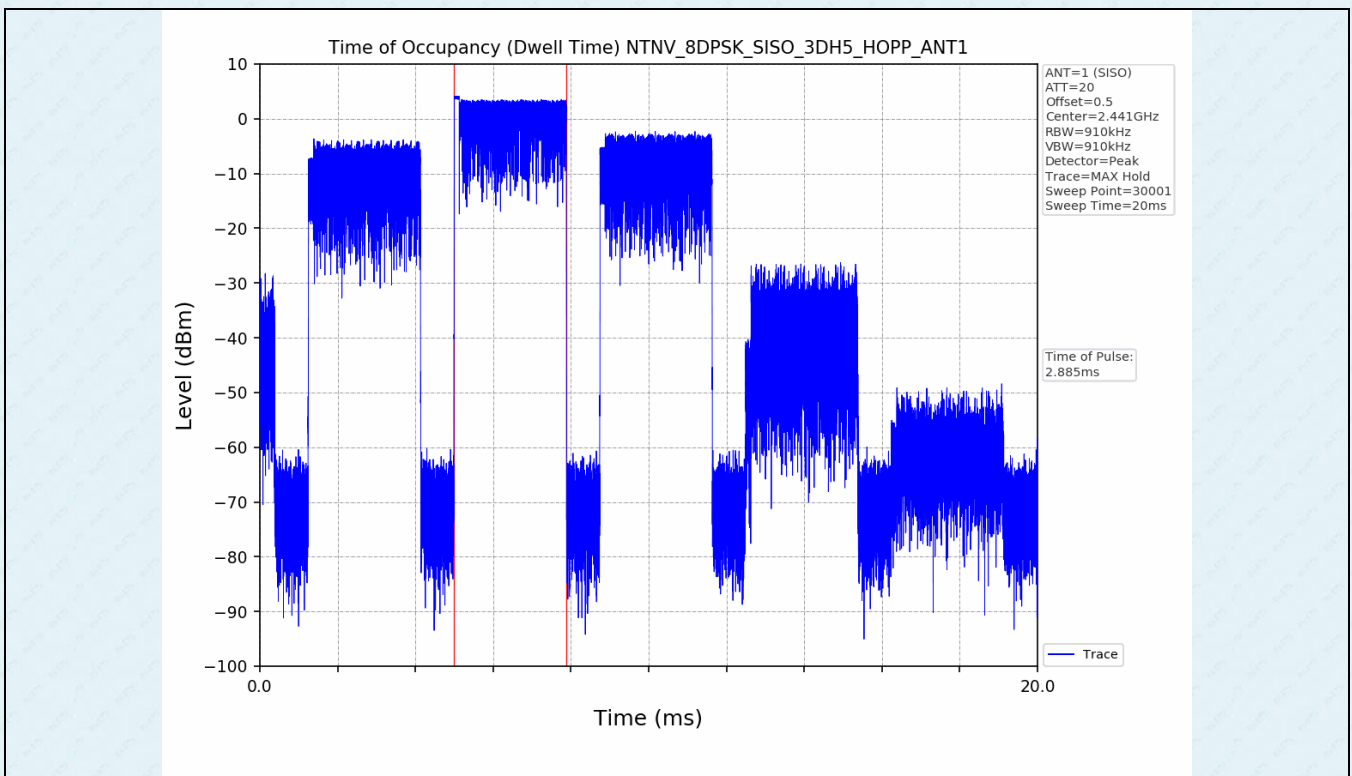
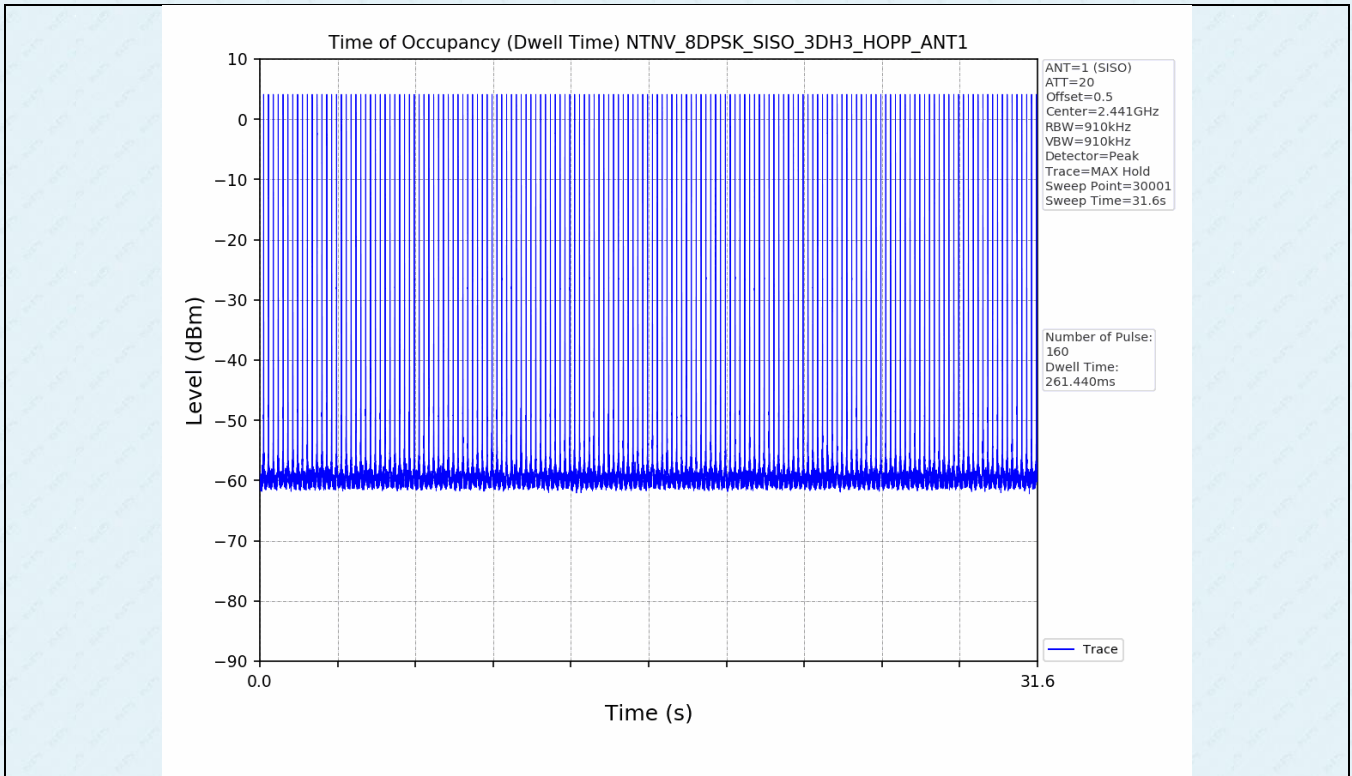


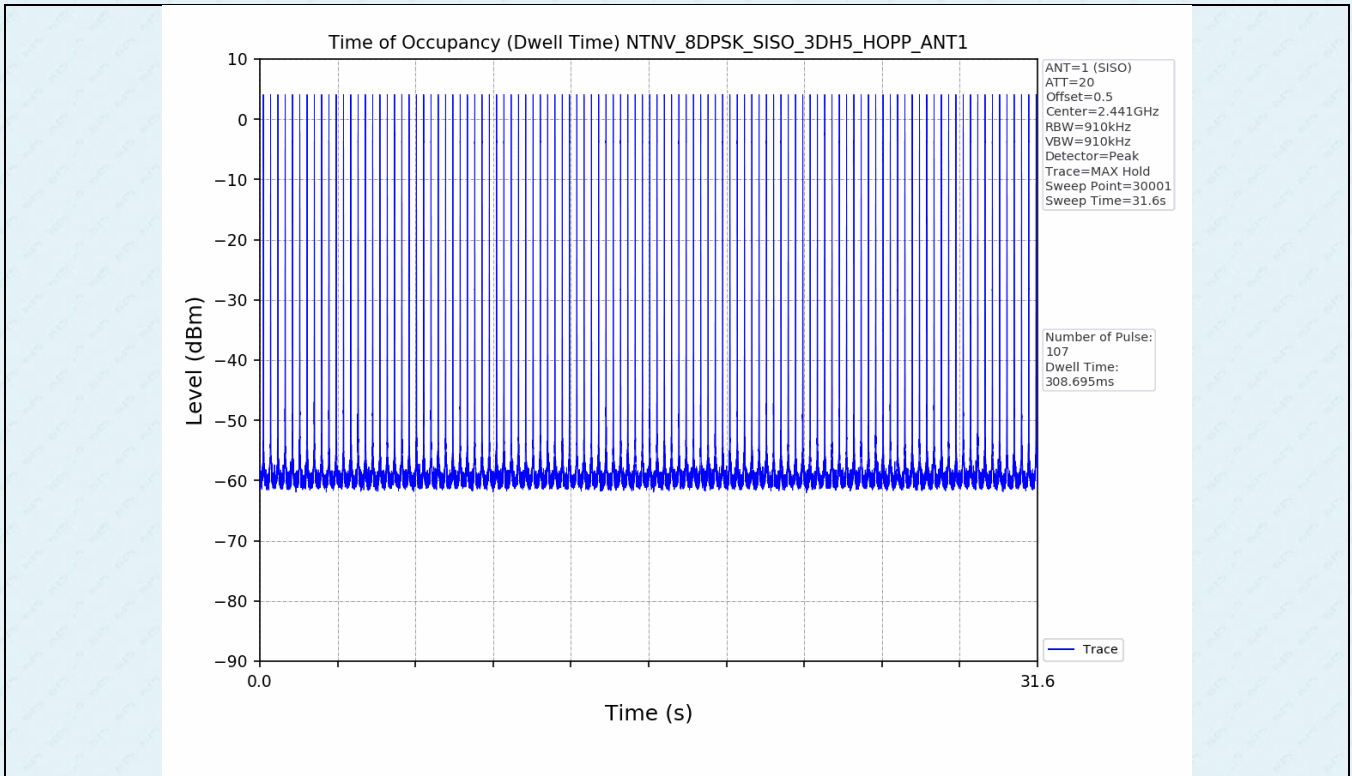










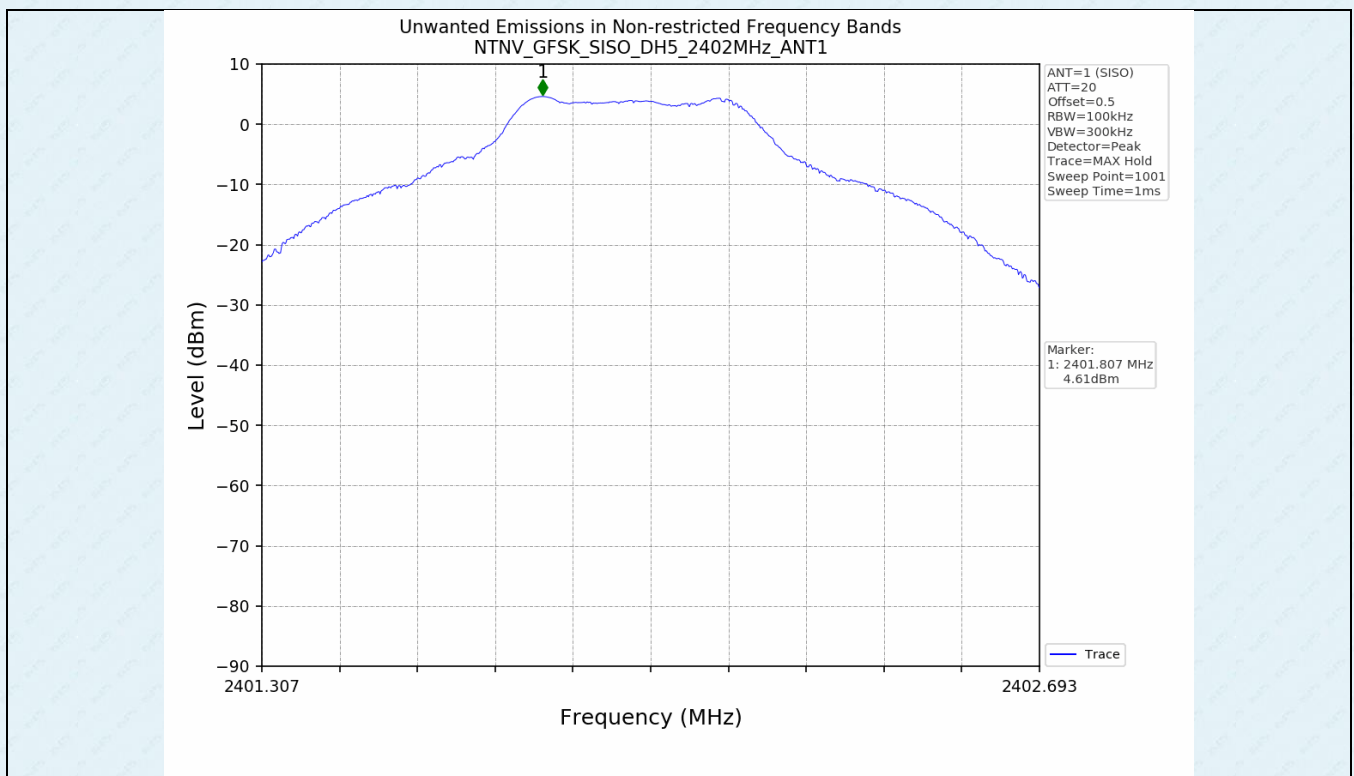


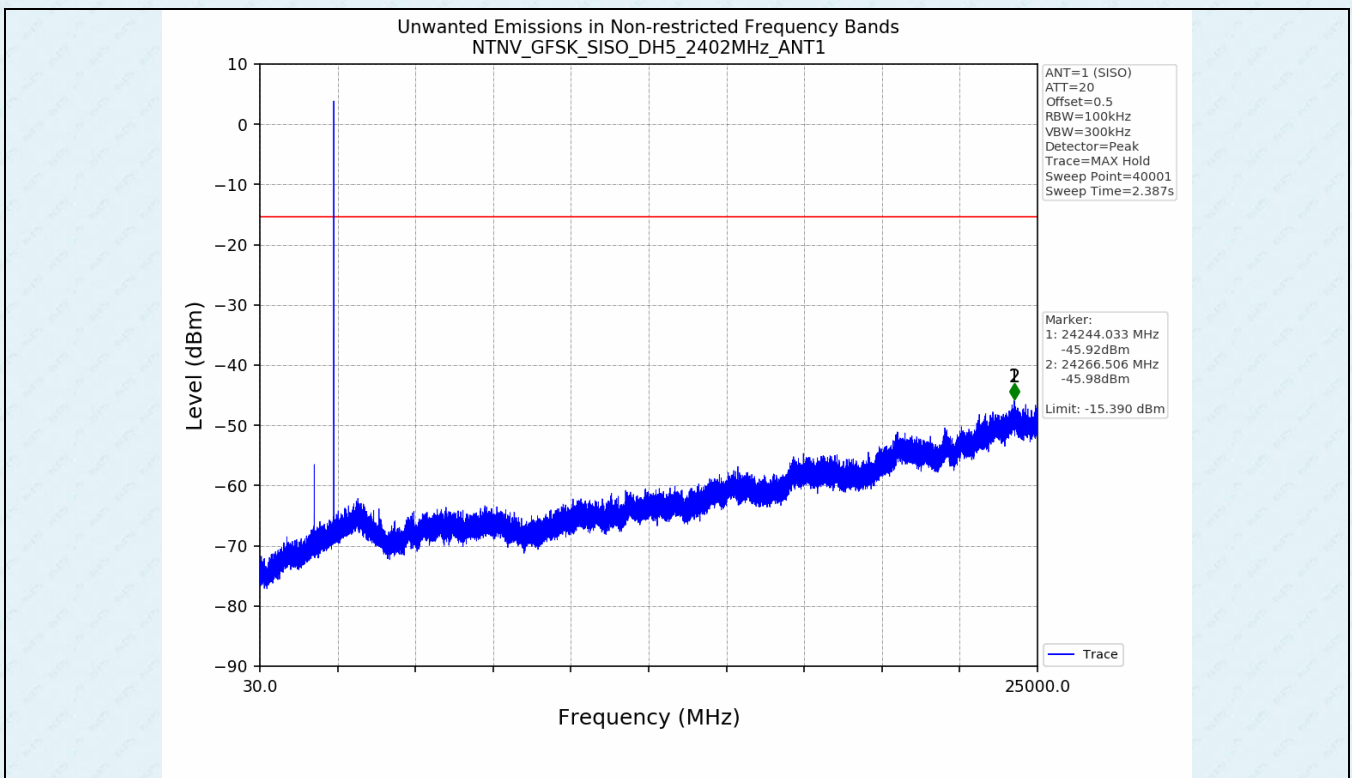
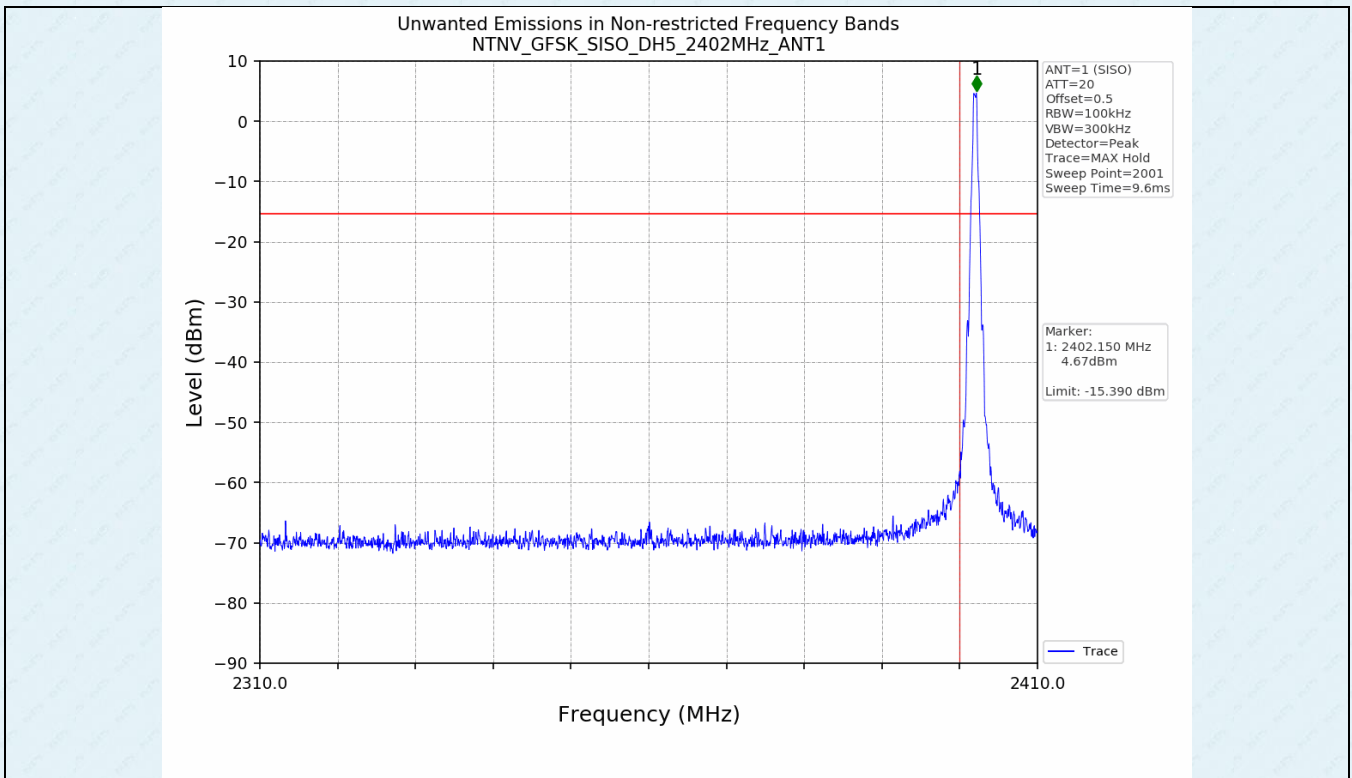
6. Unwanted Emissions in Non-restricted Frequency Bands

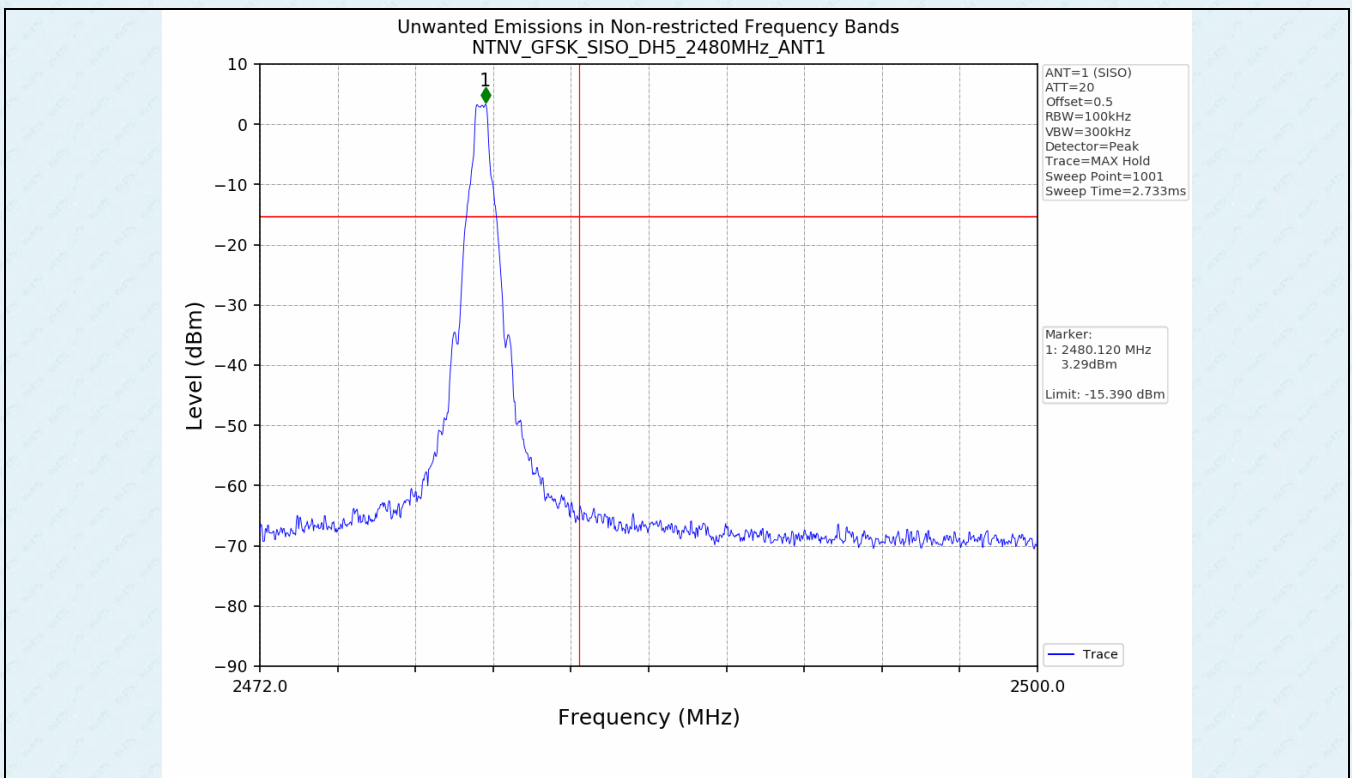
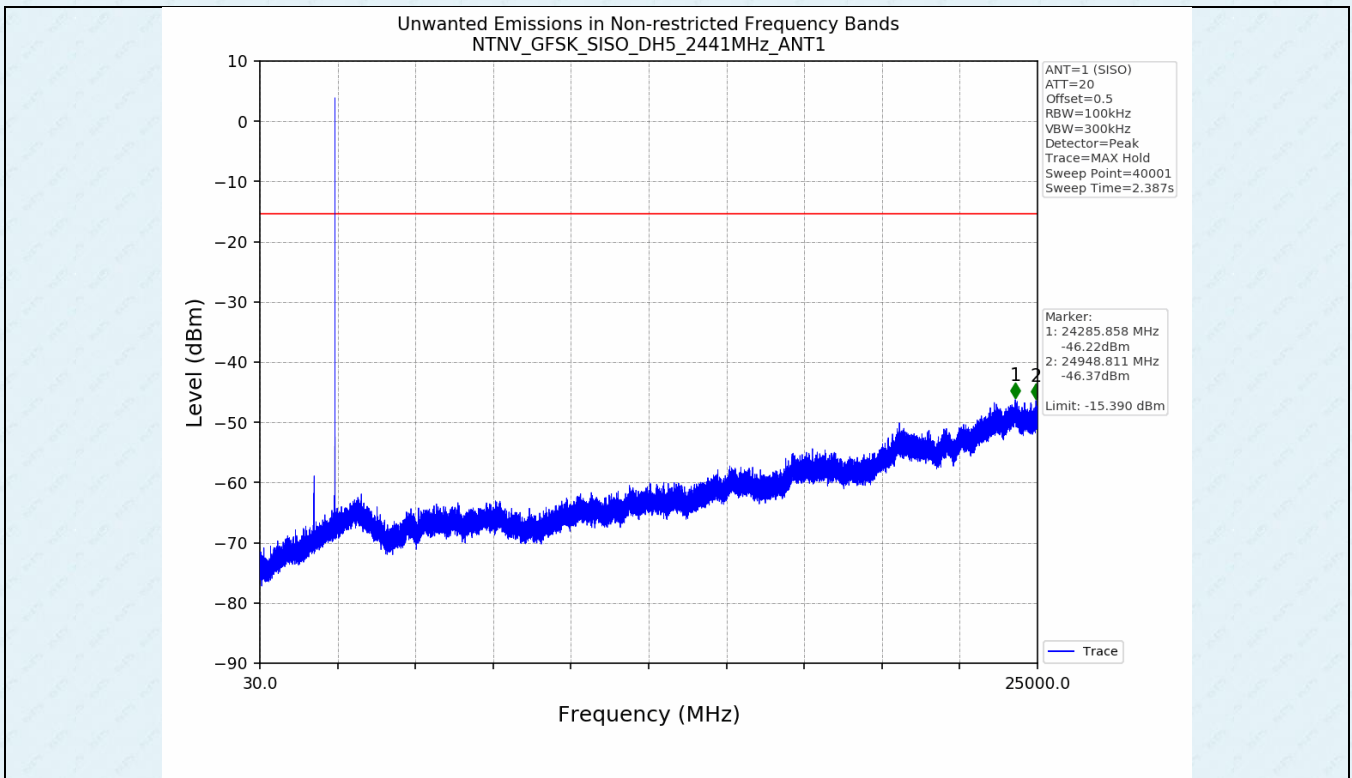
6.1 Test Result

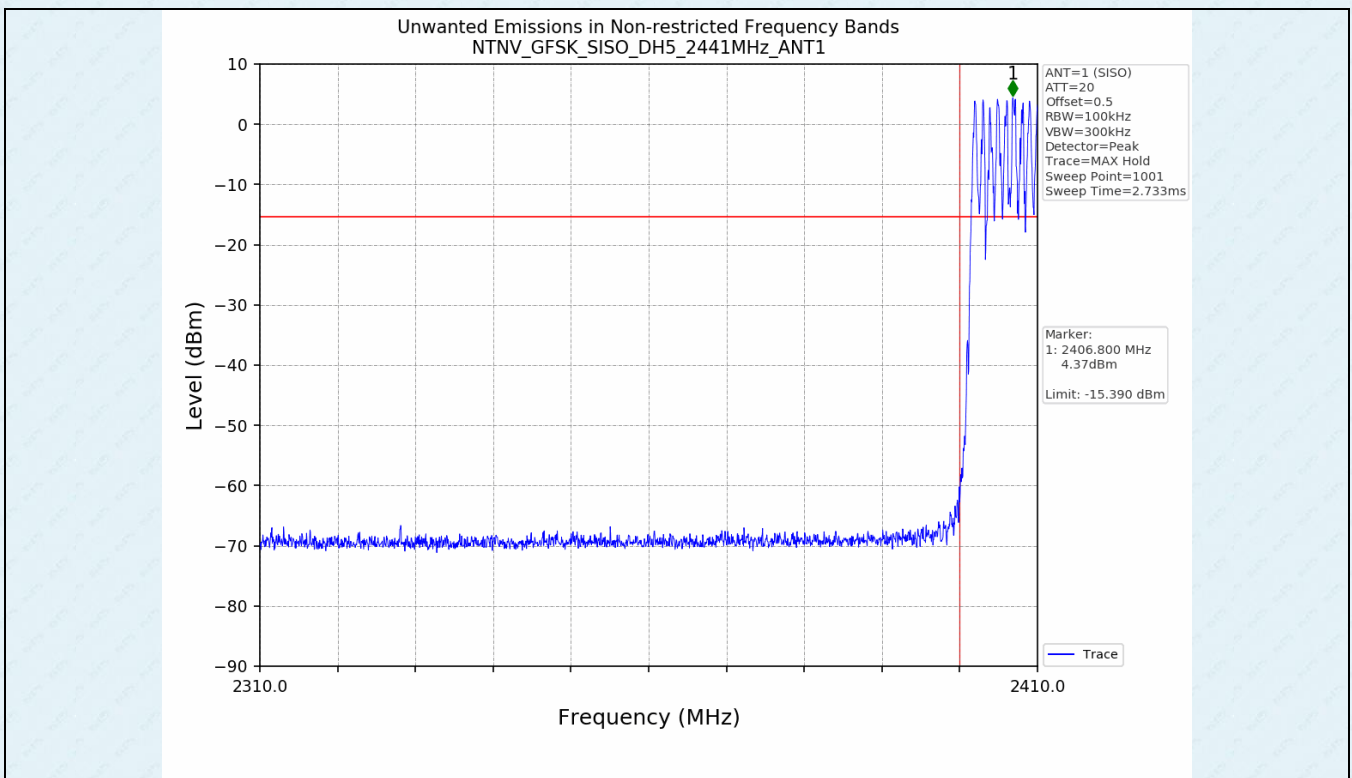
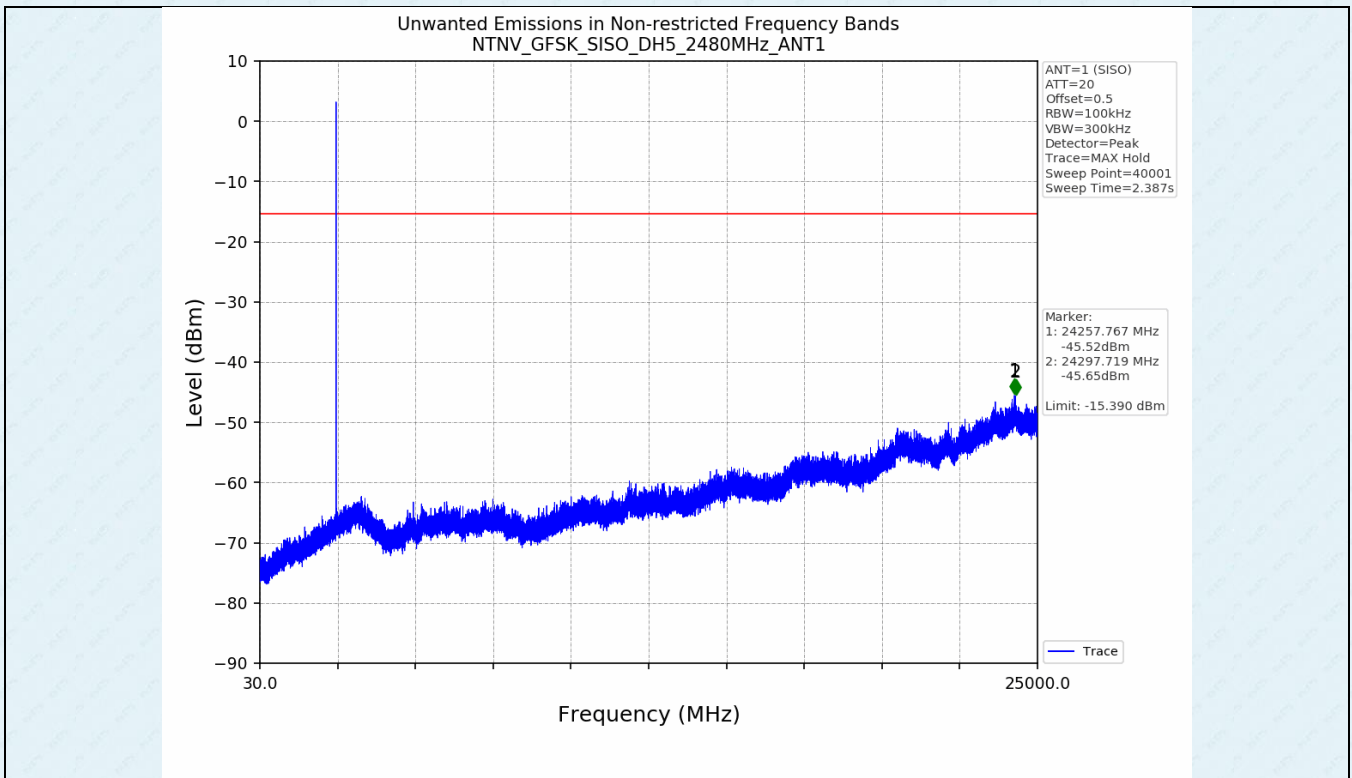
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-15.39	PASS
	2441	SISO	1	Refer to test graph	-15.39	PASS
	2480	SISO	1	Refer to test graph	-15.39	PASS
	Hopping	SISO	1	Refer to test graph	-15.39	PASS
$\pi/4$ -DQPSK	2402	SISO	1	Refer to test graph	-15.40	PASS
	2441	SISO	1	Refer to test graph	-15.40	PASS
	2480	SISO	1	Refer to test graph	-15.40	PASS
	Hopping	SISO	1	Refer to test graph	-15.40	PASS
8-DPSK	2402	SISO	1	Refer to test graph	-15.56	PASS
	2441	SISO	1	Refer to test graph	-15.56	PASS
	2480	SISO	1	Refer to test graph	-15.56	PASS
	Hopping	SISO	1	Refer to test graph	-15.56	PASS

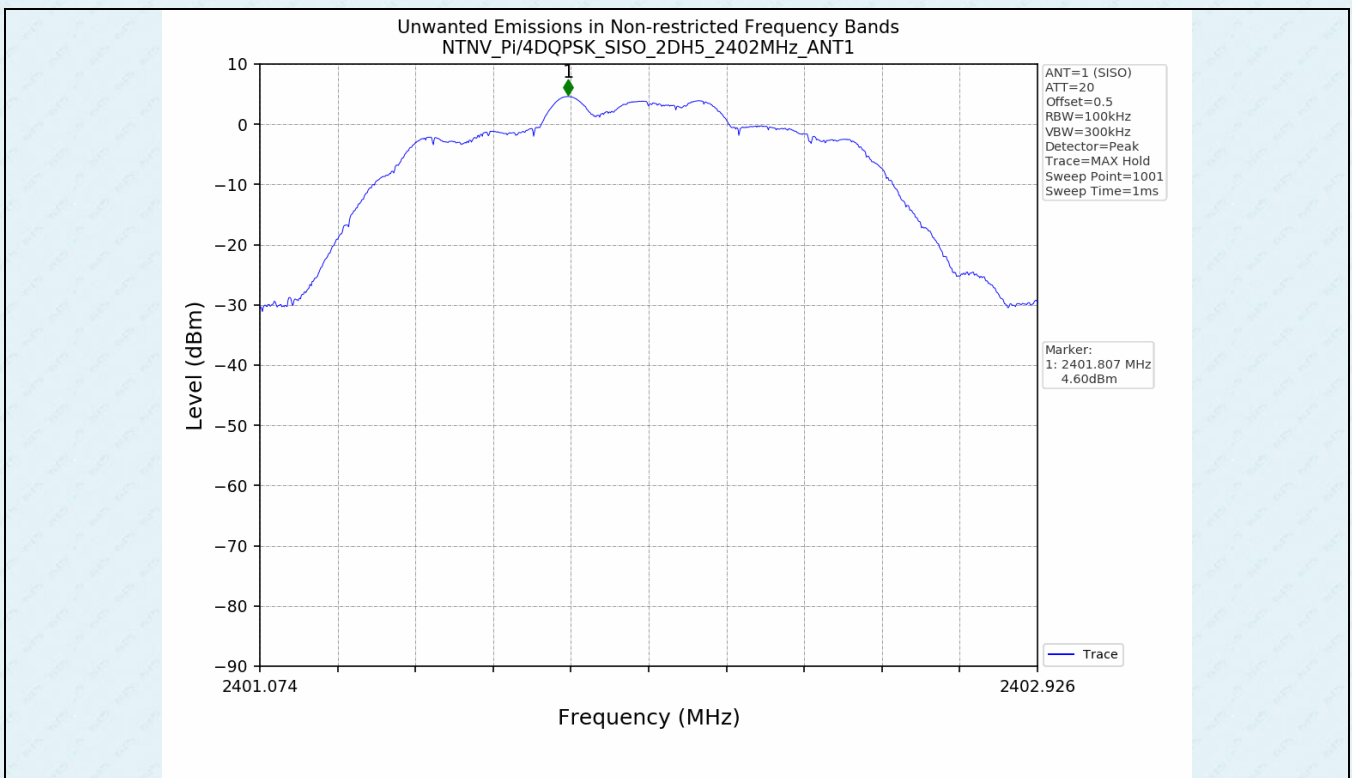
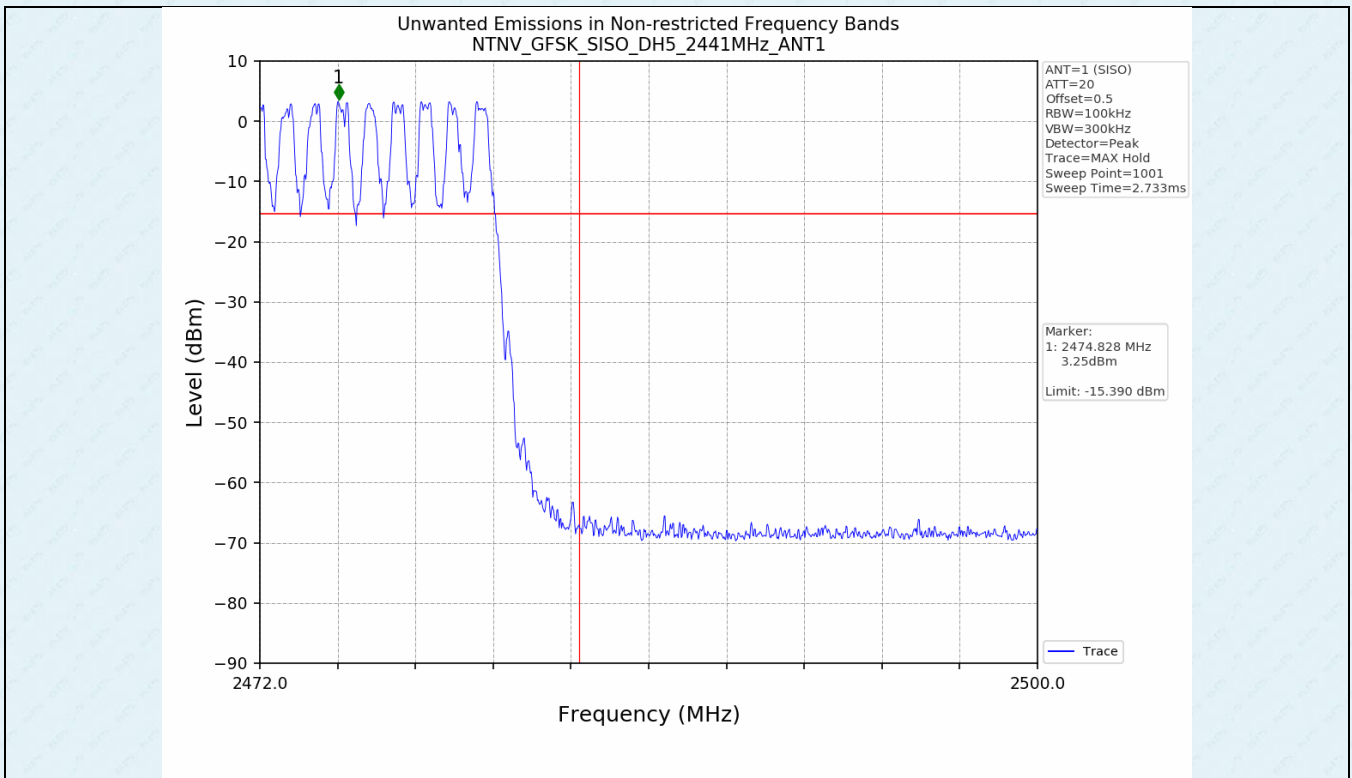
6.2 Test Graph

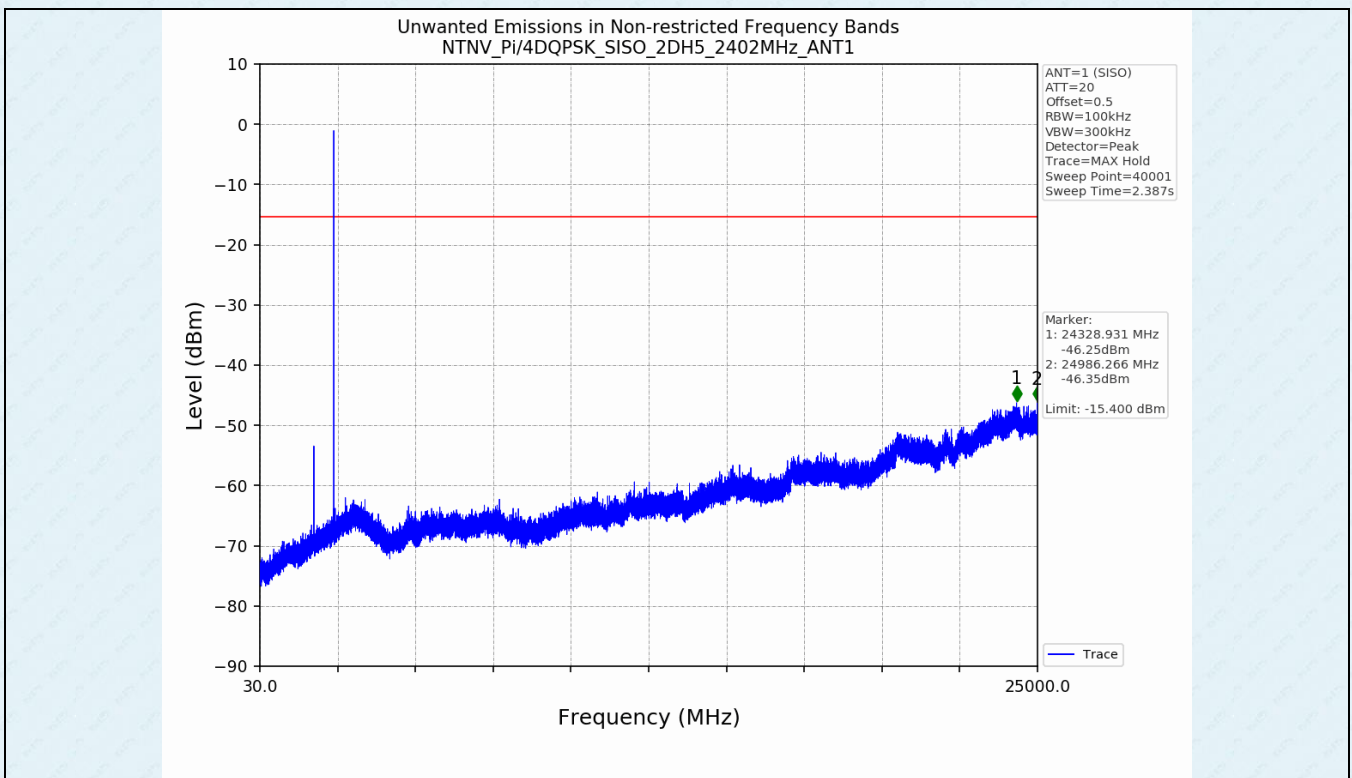
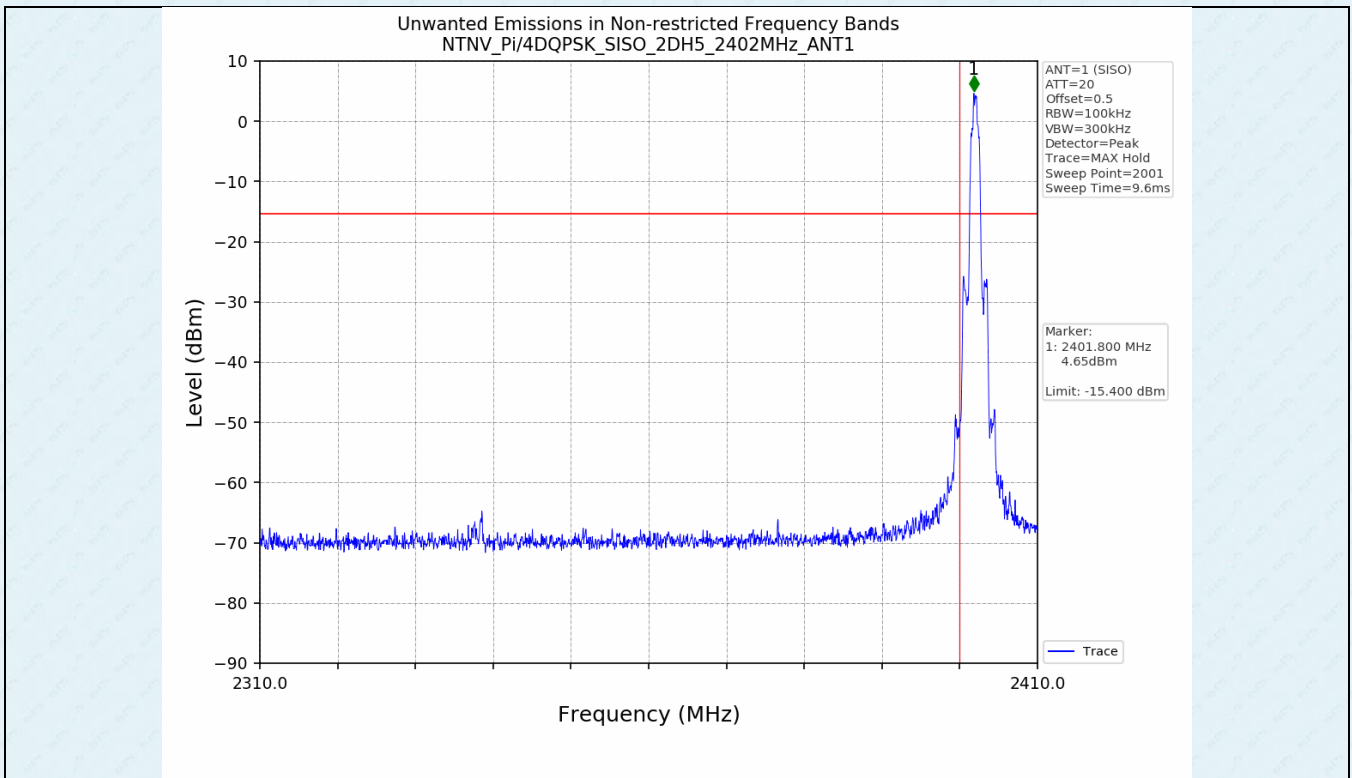


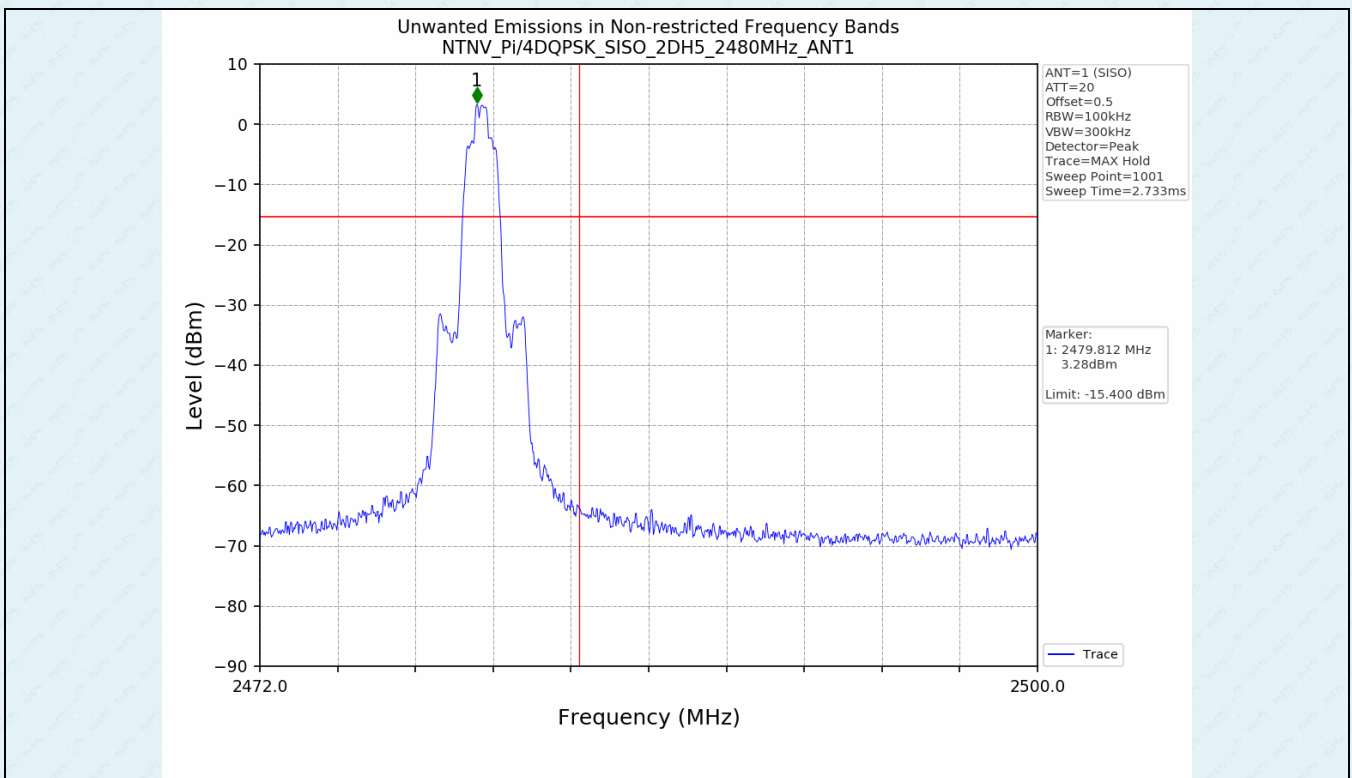
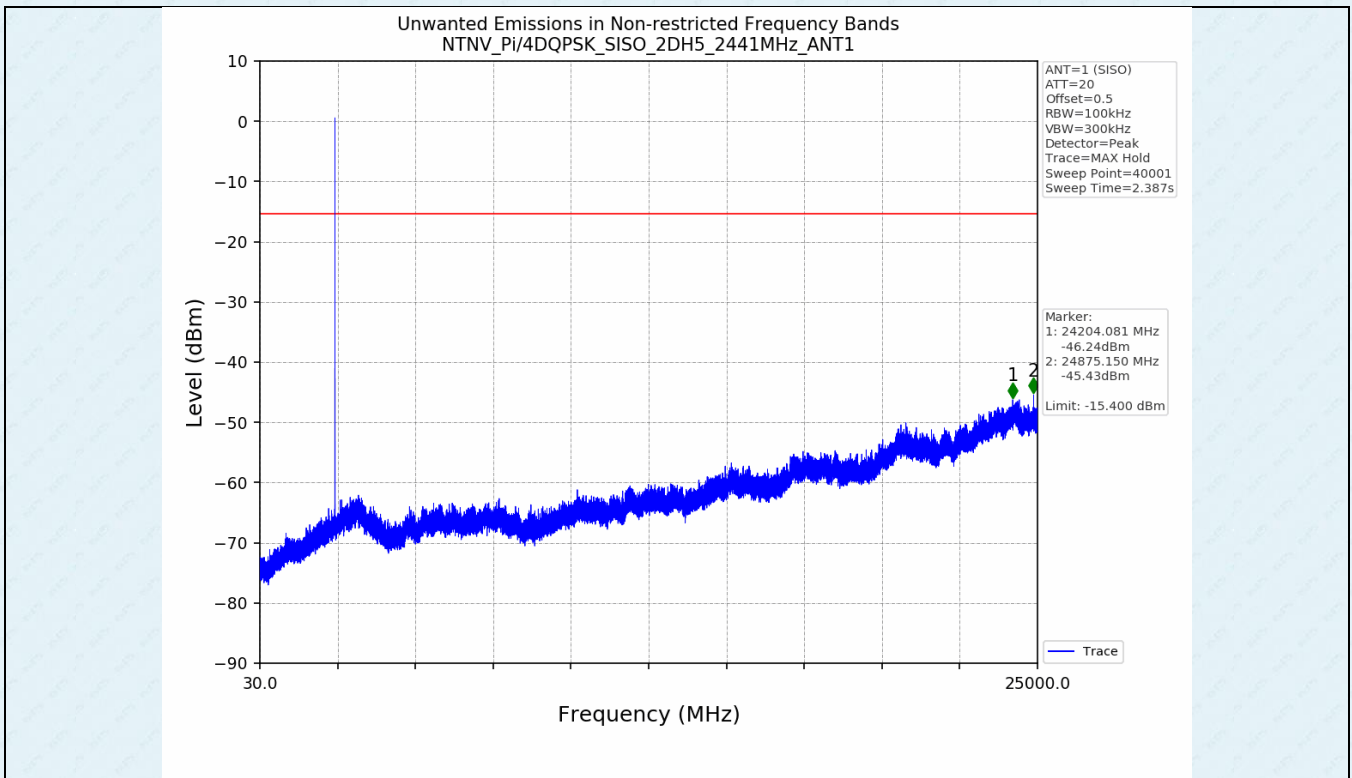


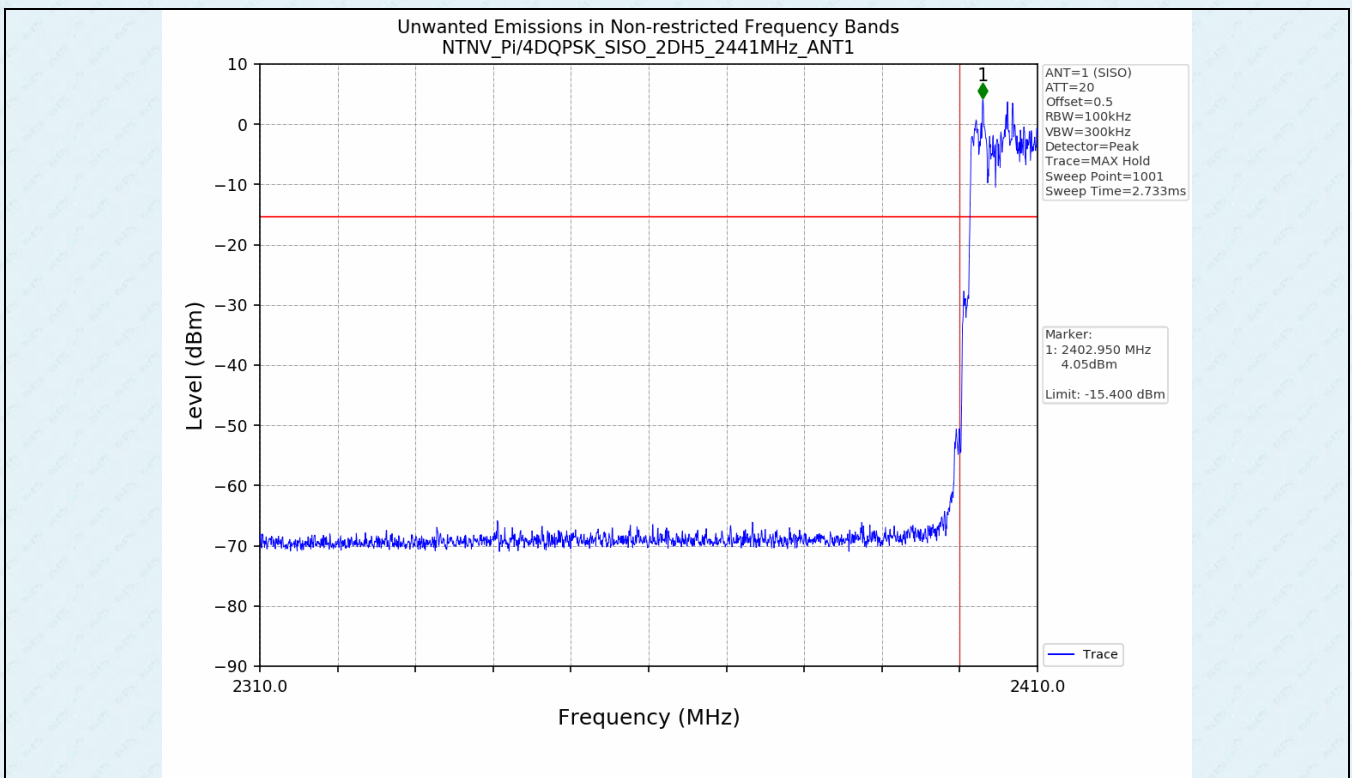
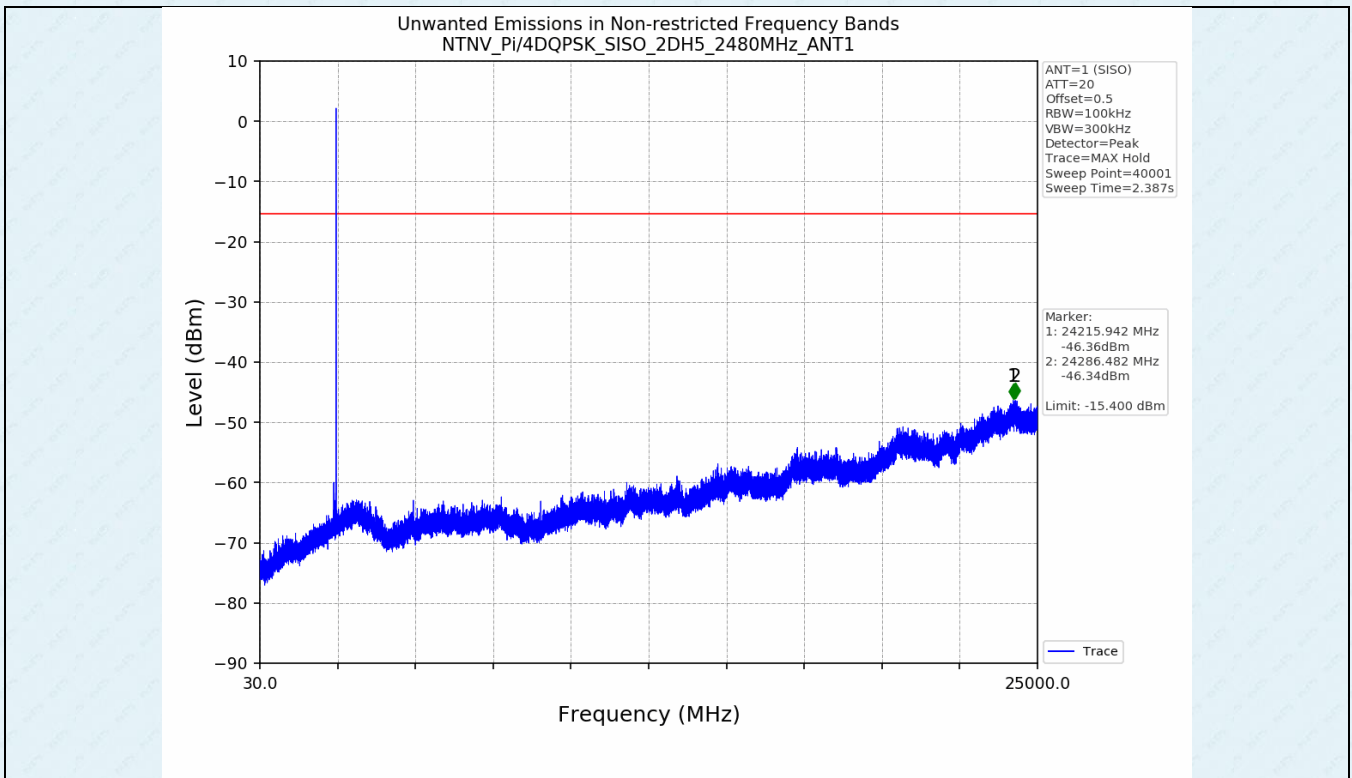


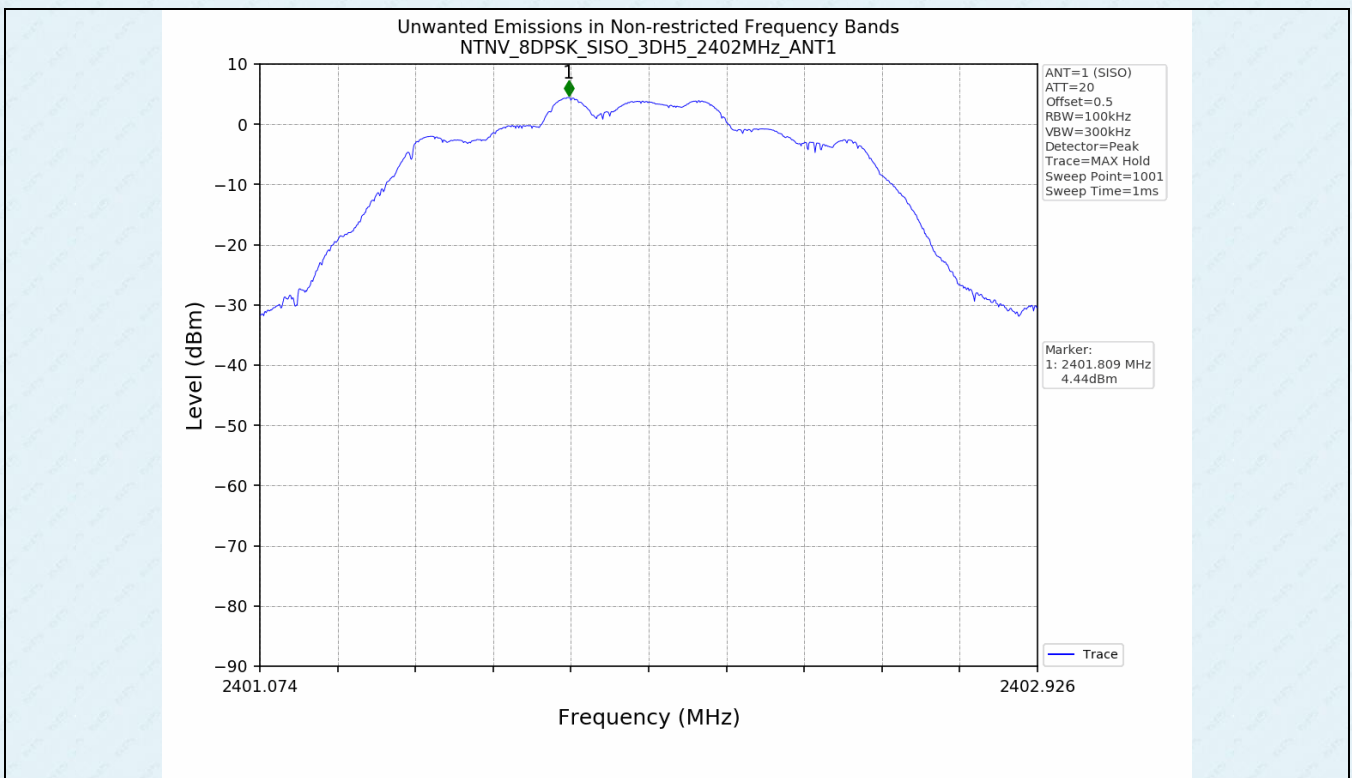
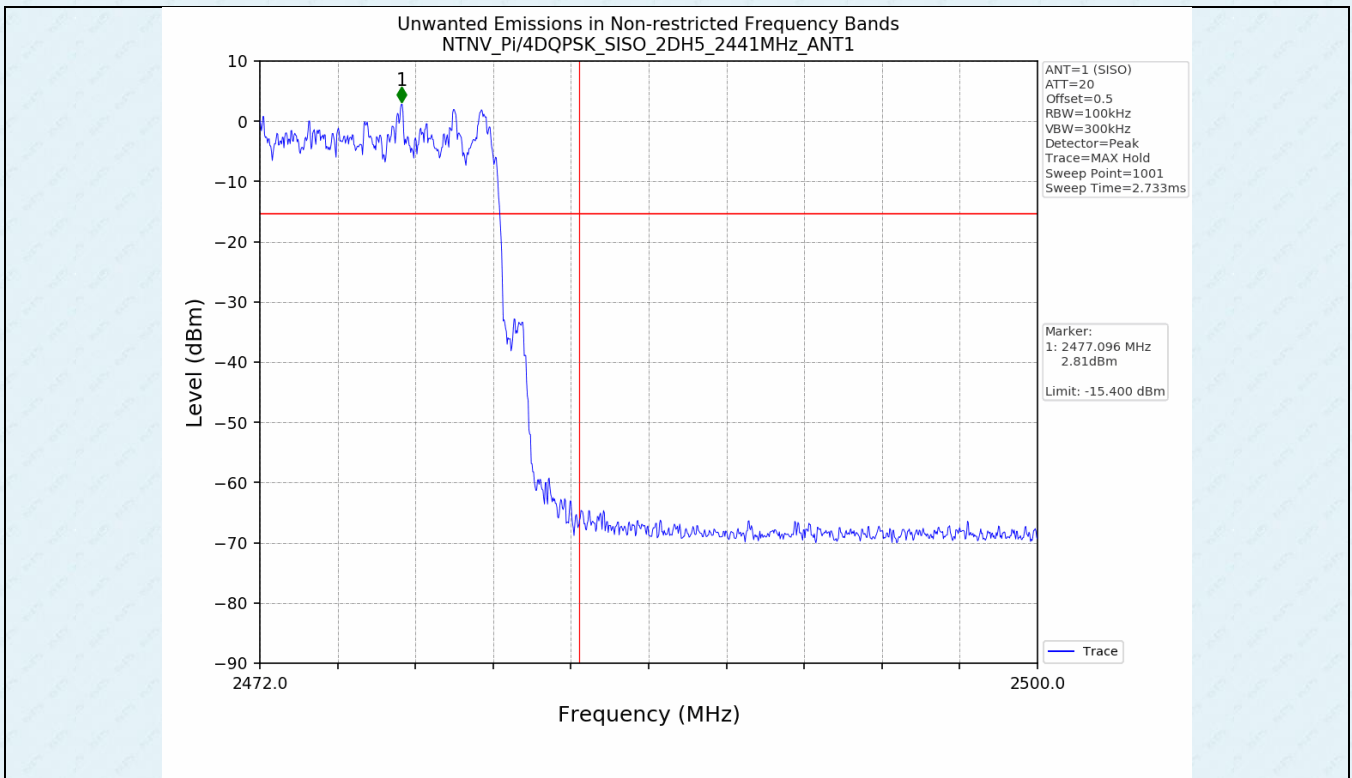


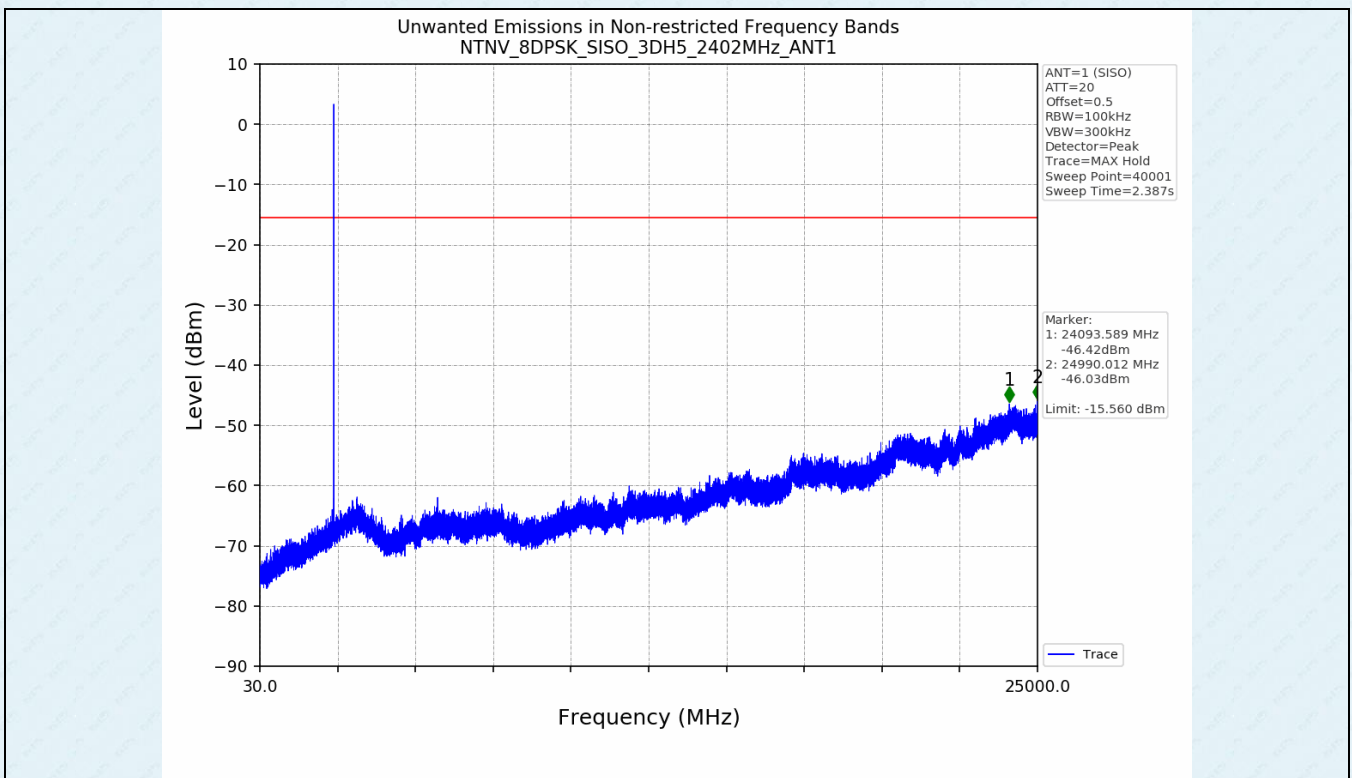
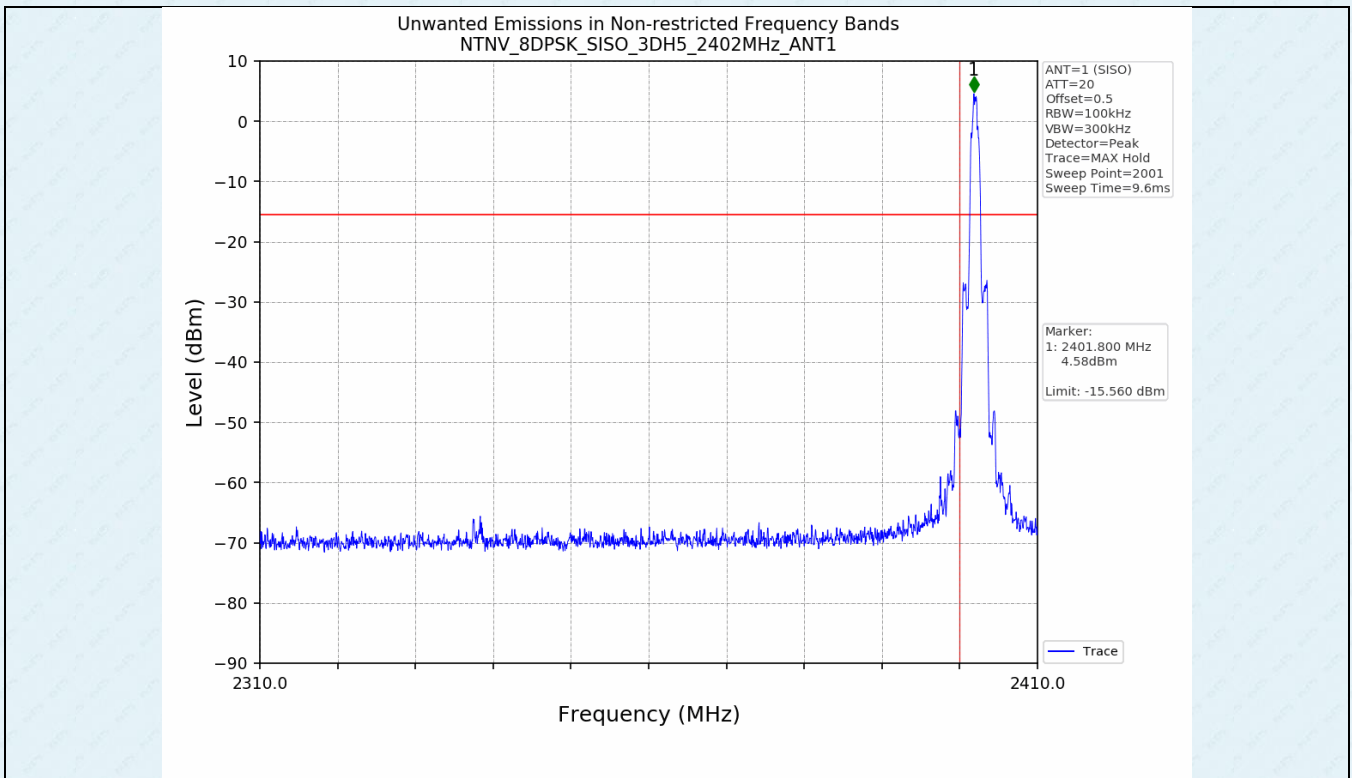


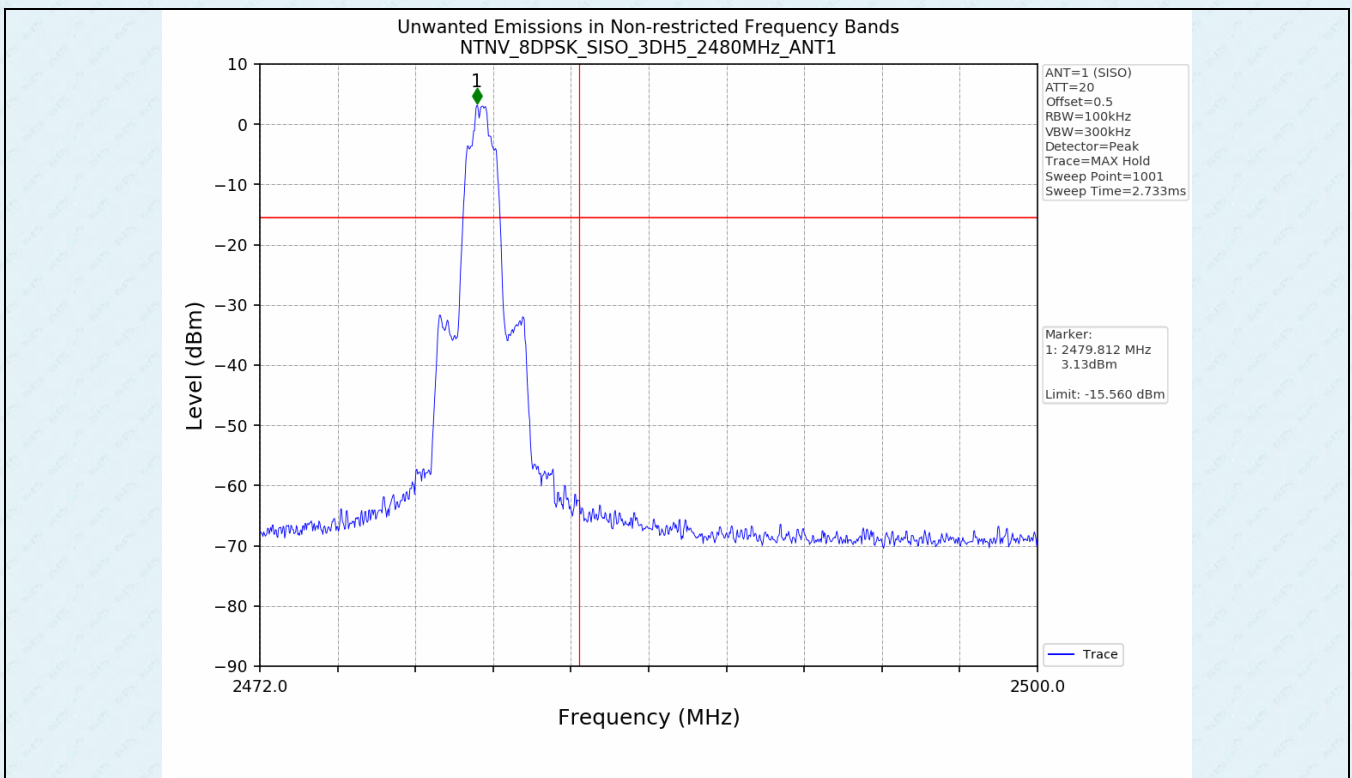
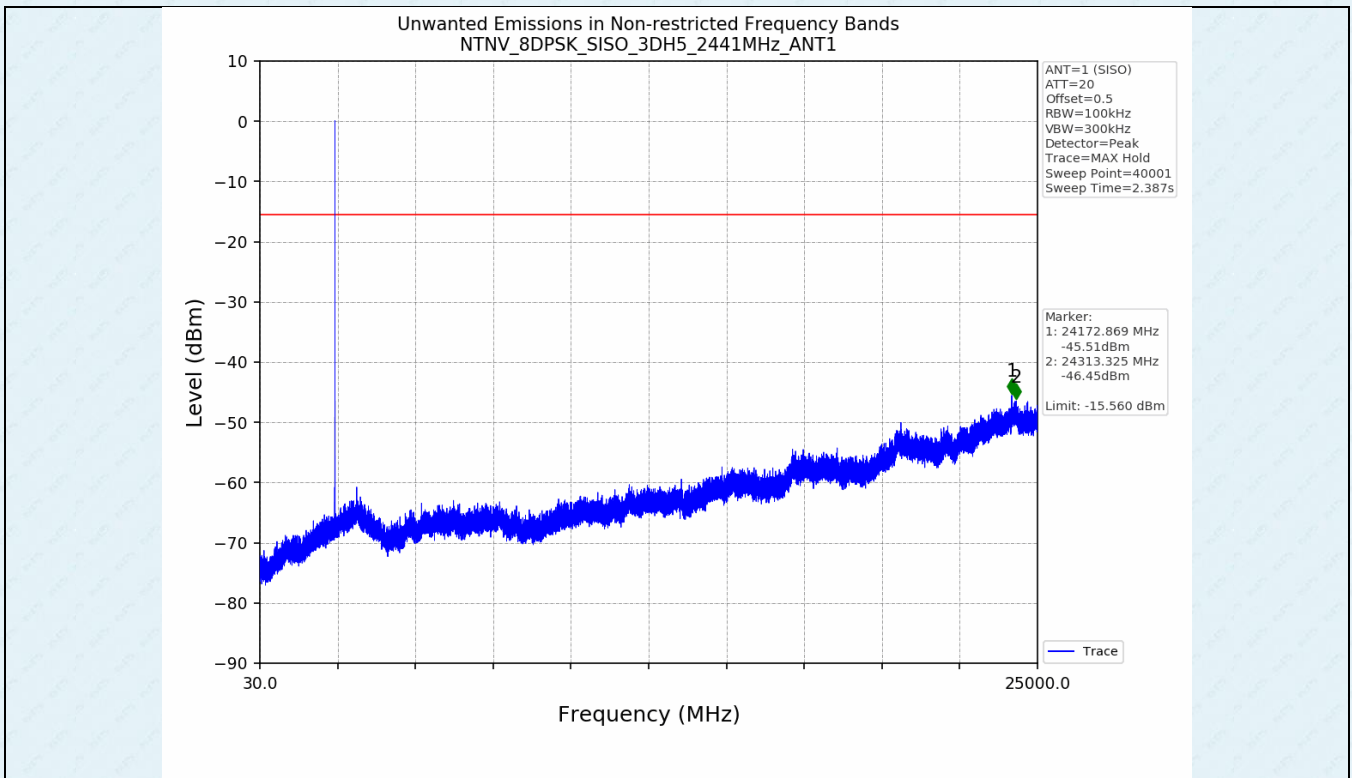


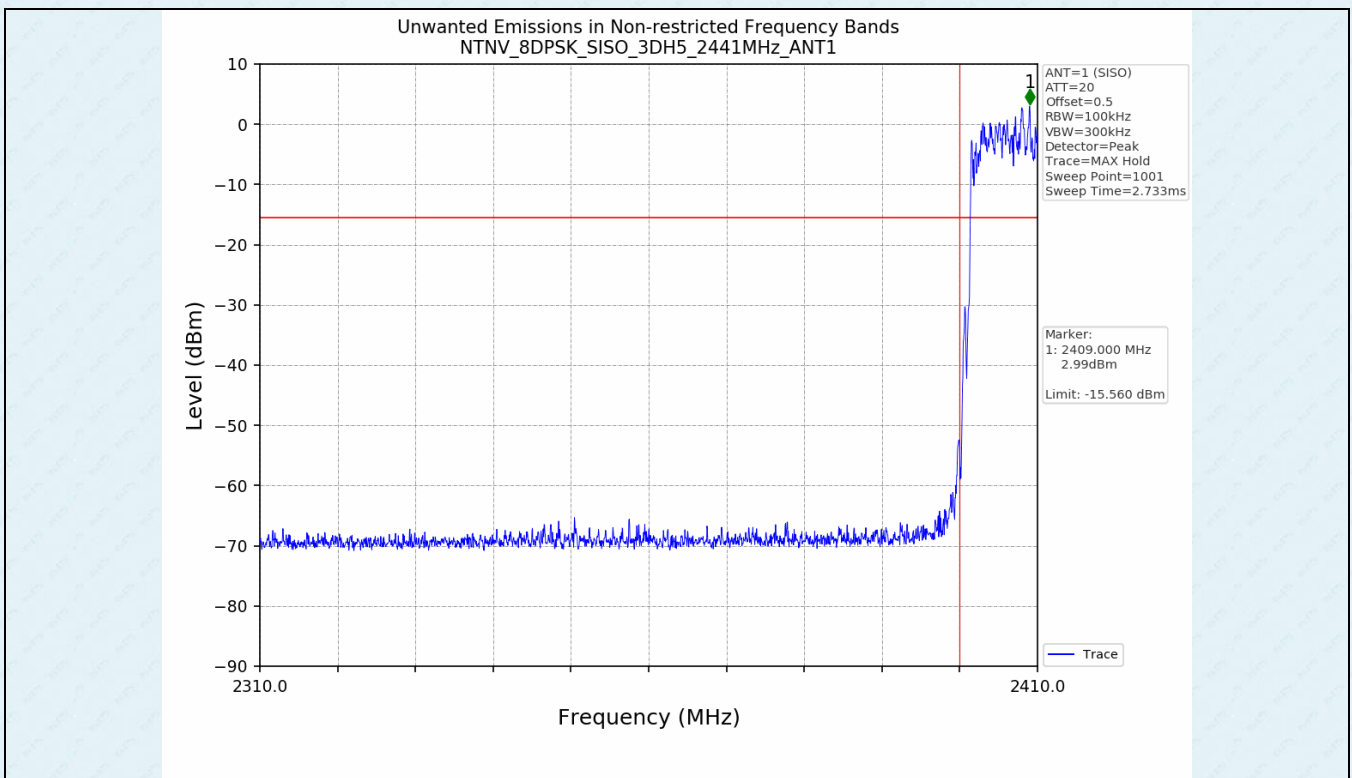
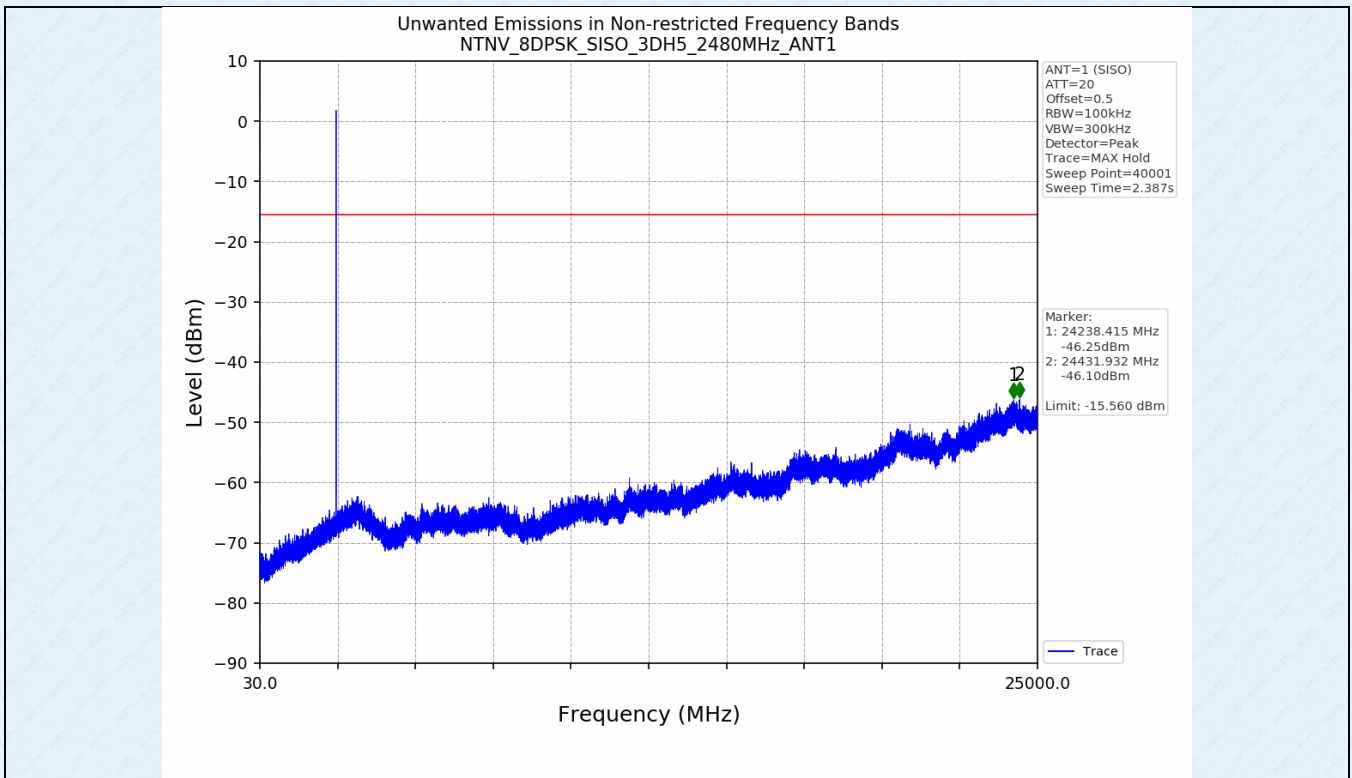


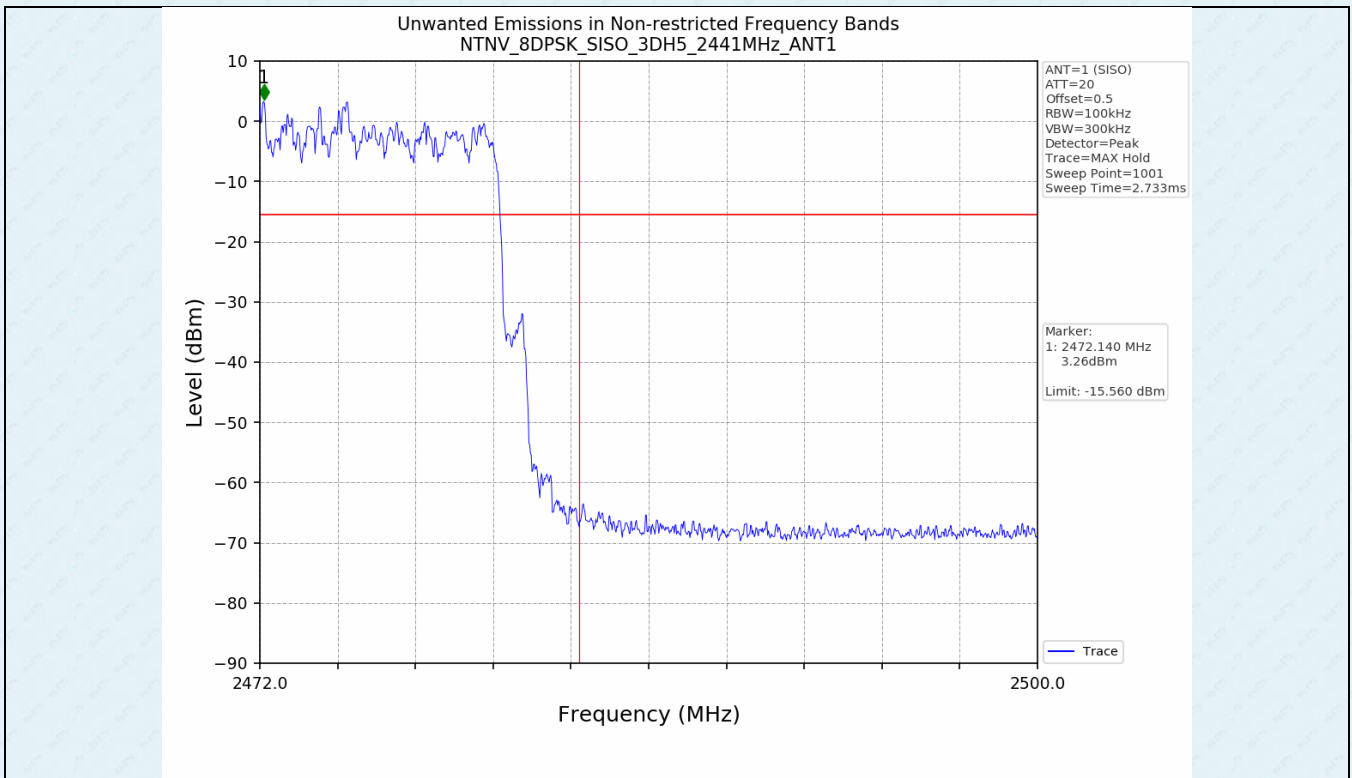












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