

Appendix for 15.247

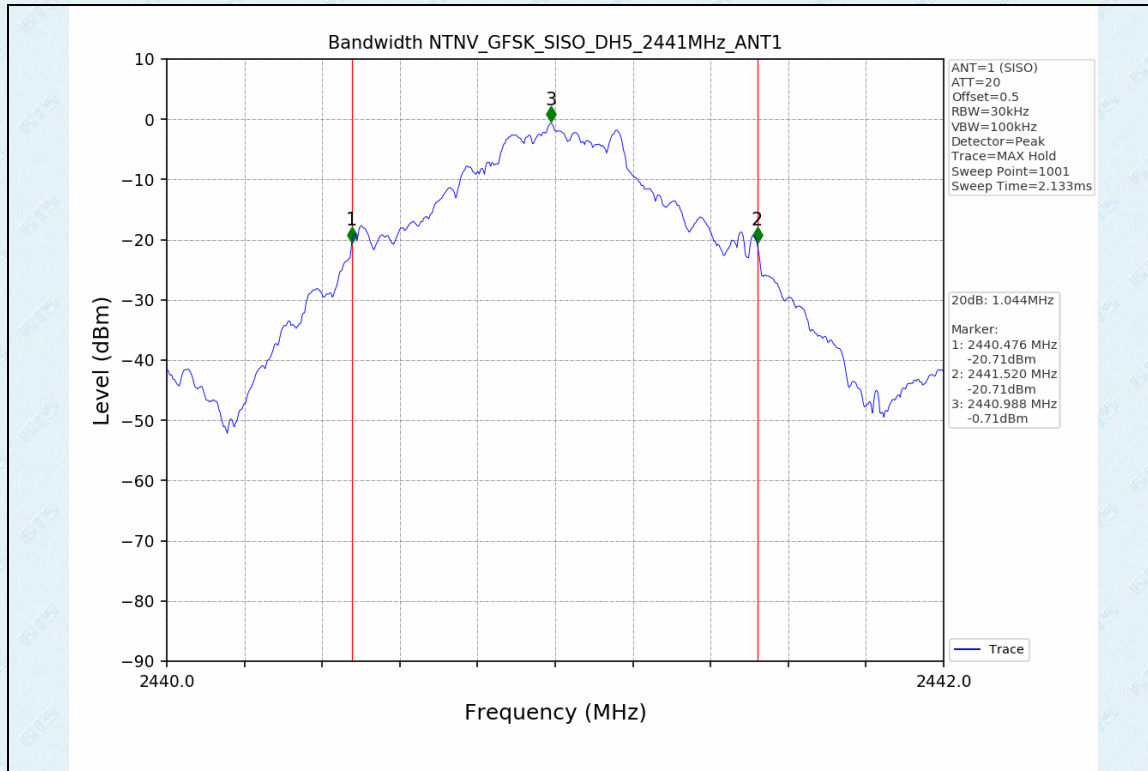
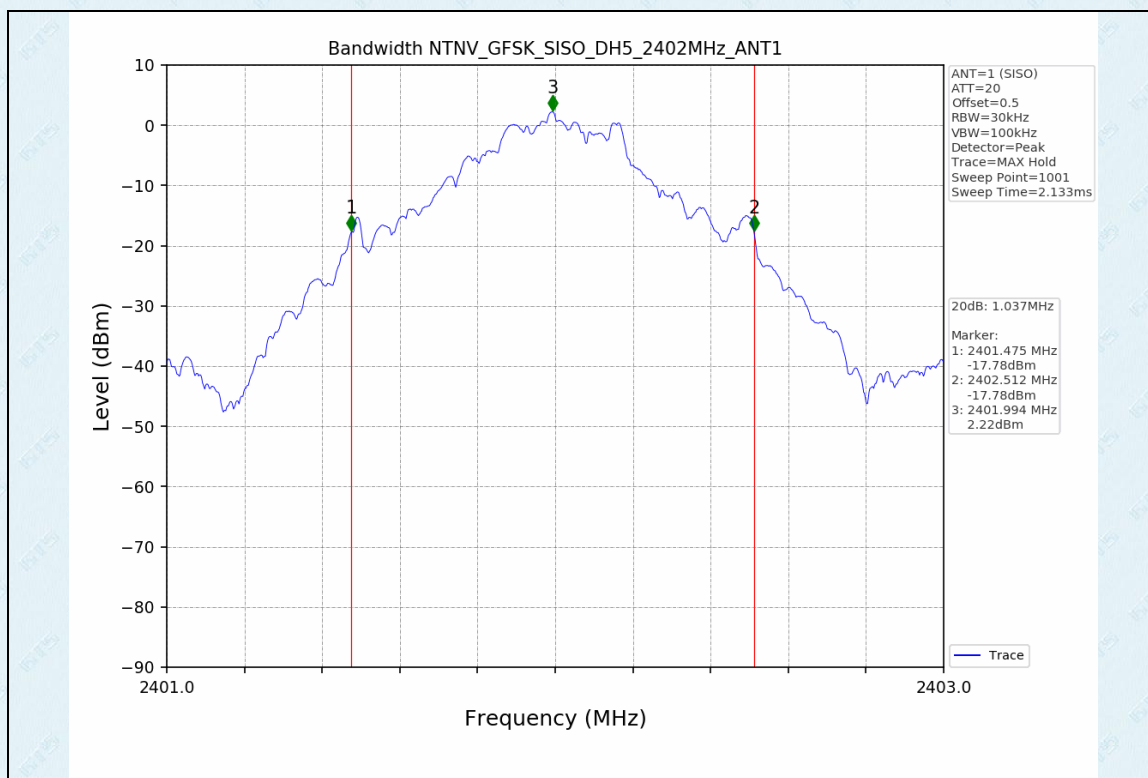
1. Bandwidth

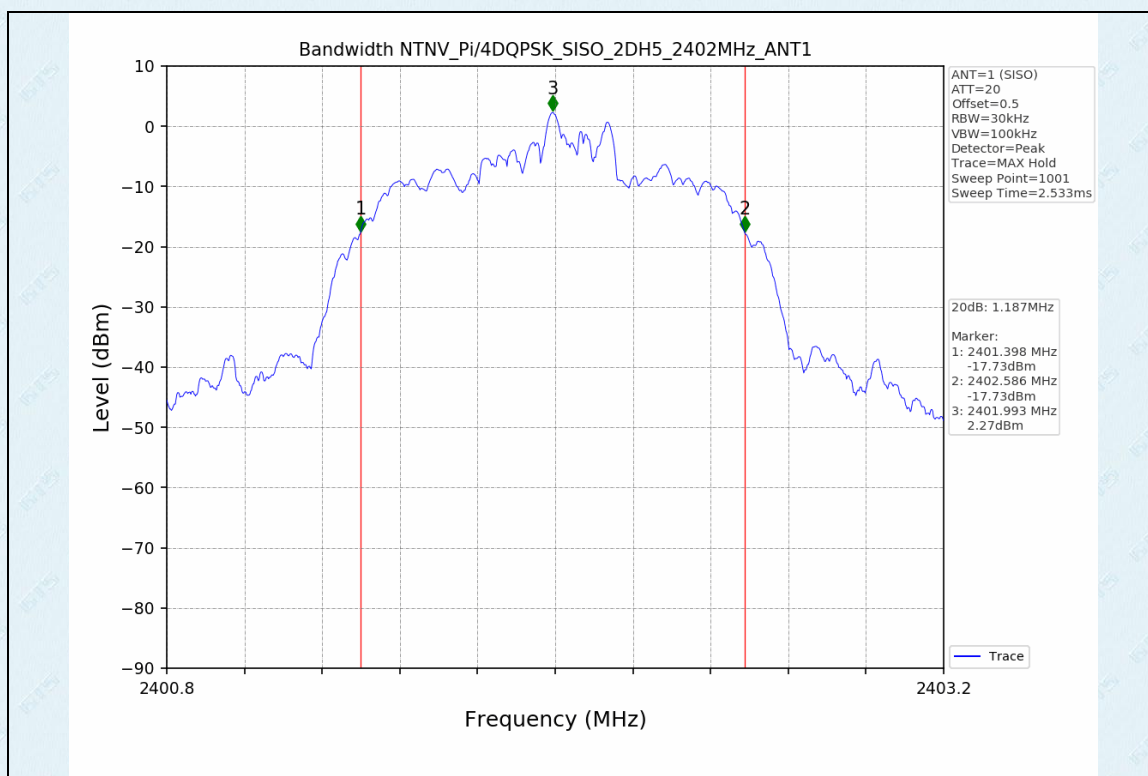
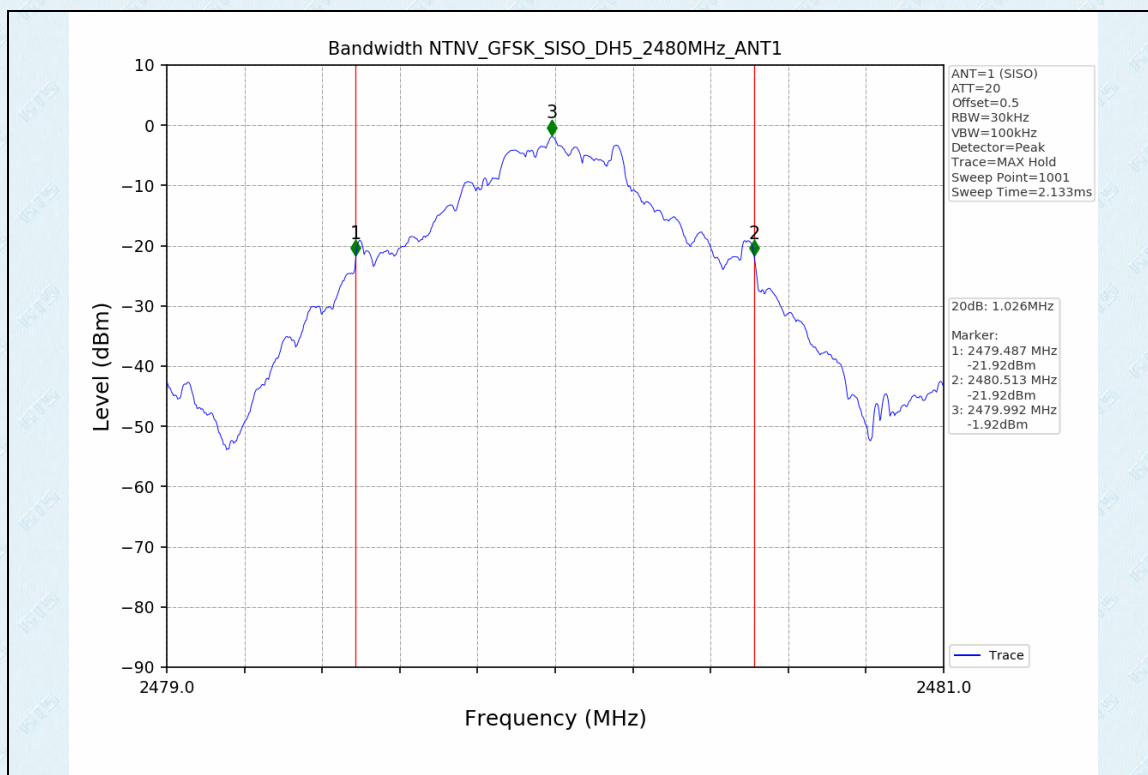
1.1 Test Result

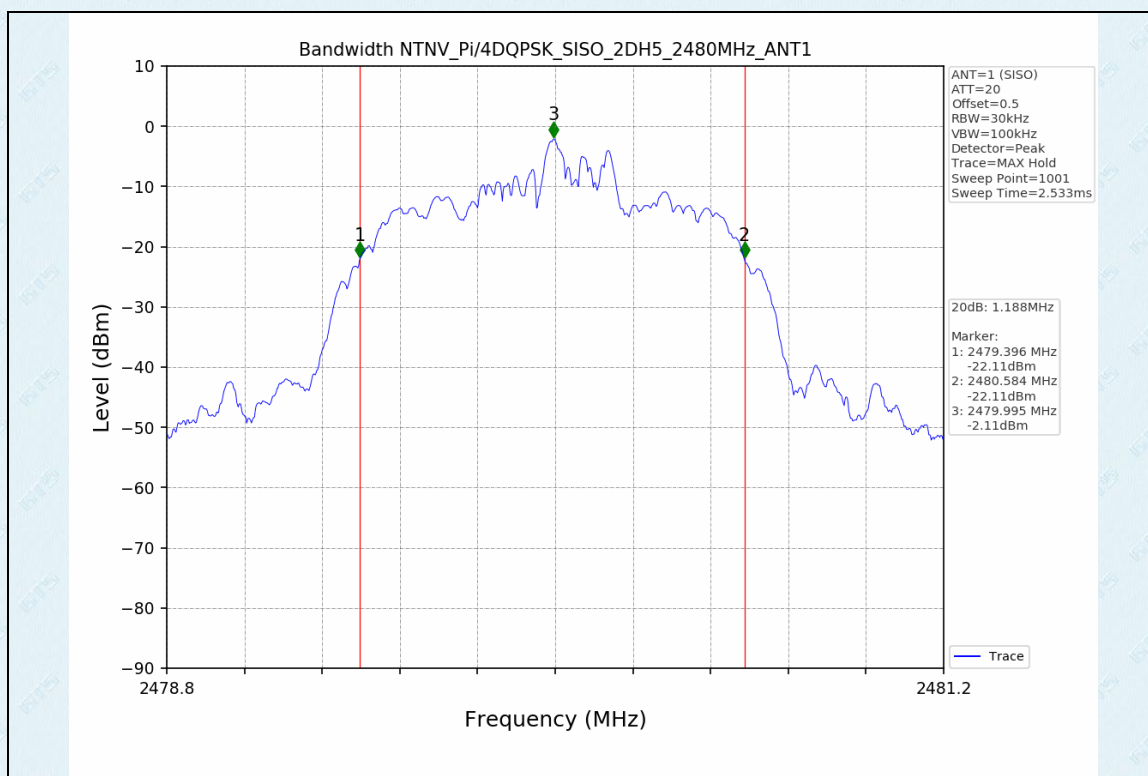
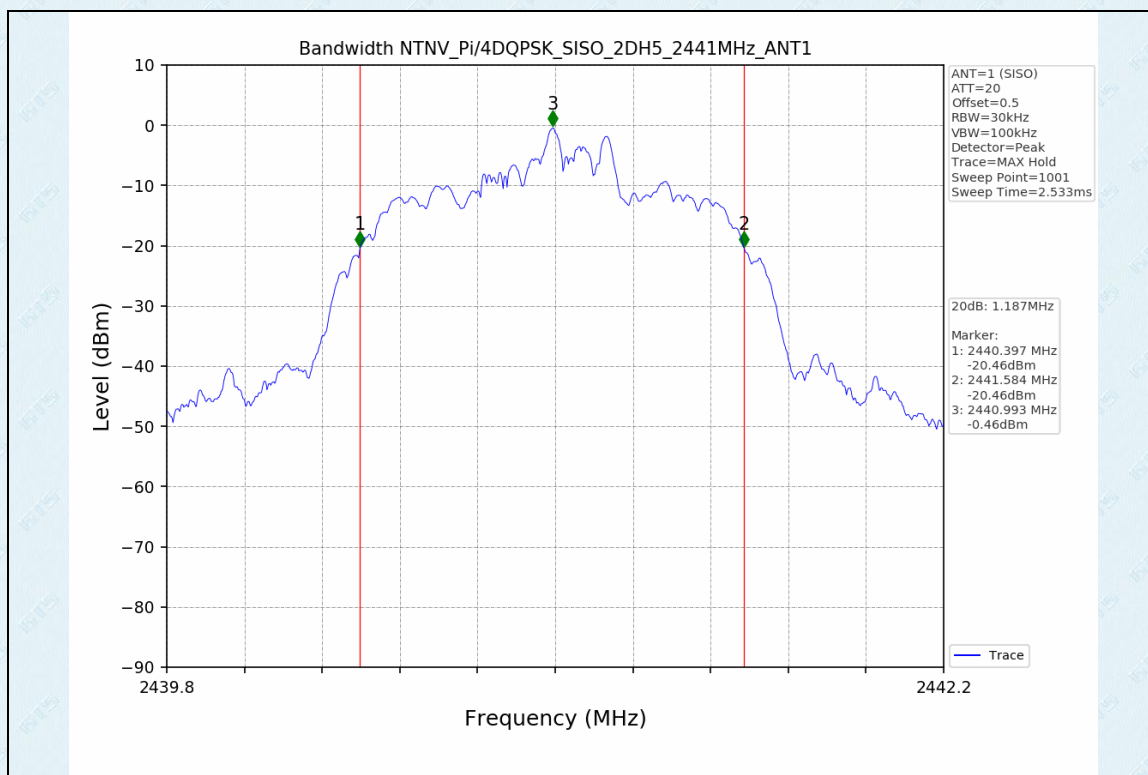
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	1.037	PASS
	2441	SISO	1	1.044	PASS
	2480	SISO	1	1.026	PASS
$\pi/4$ -DQPSK	2402	SISO	1	1.187	PASS
	2441	SISO	1	1.187	PASS
	2480	SISO	1	1.188	PASS
8-DPSK	2402	SISO	1	1.202	PASS
	2441	SISO	1	1.197	PASS
	2480	SISO	1	1.197	PASS

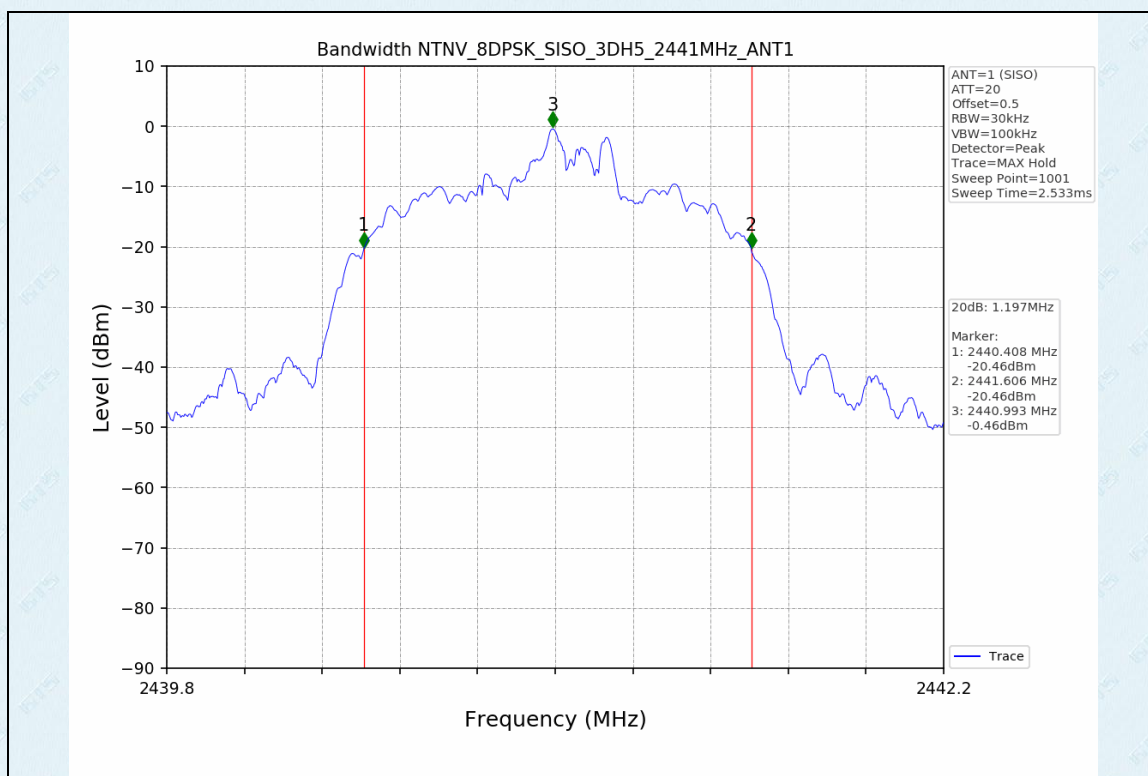
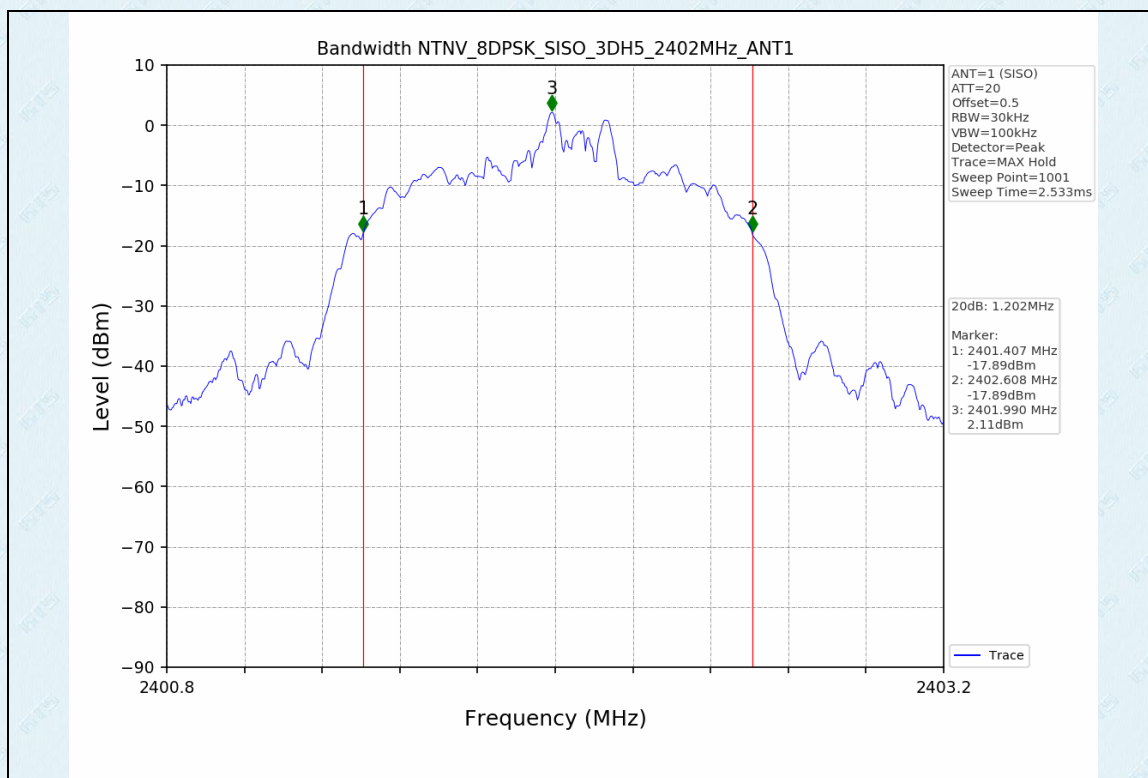
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.903	Only for Report Use
	2441	SISO	1	0.853	Only for Report Use
	2480	SISO	1	0.911	Only for Report Use
$\pi/4$ -DQPSK	2402	SISO	1	1.135	Only for Report Use
	2441	SISO	1	1.137	Only for Report Use
	2480	SISO	1	1.131	Only for Report Use
8-DPSK	2402	SISO	1	1.144	Only for Report Use
	2441	SISO	1	1.136	Only for Report Use
	2480	SISO	1	1.135	Only for Report Use

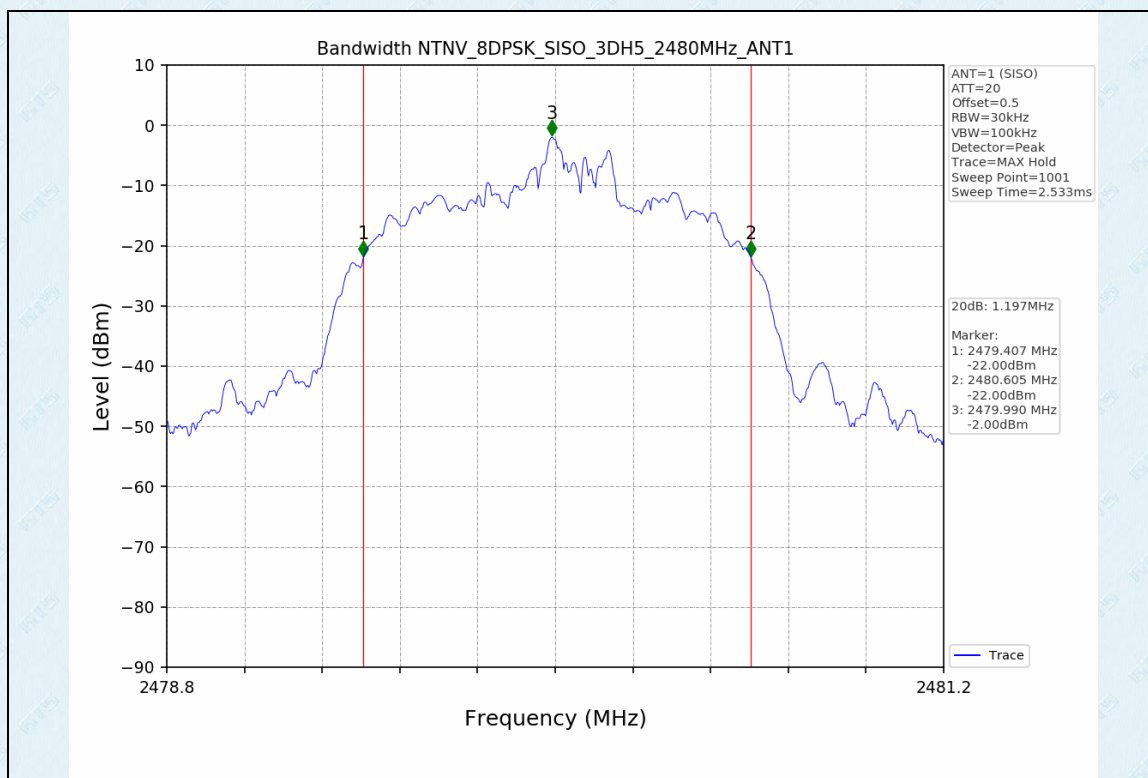
1.2 Test Graph - 20dB Bandwidth



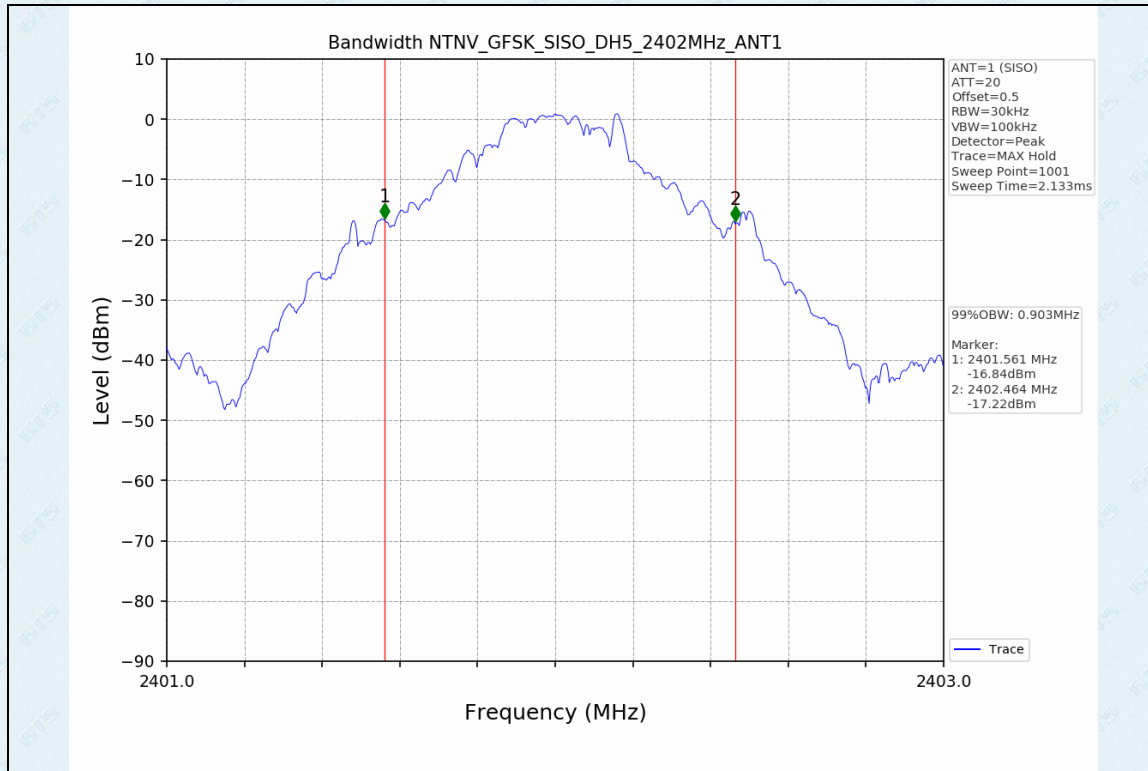


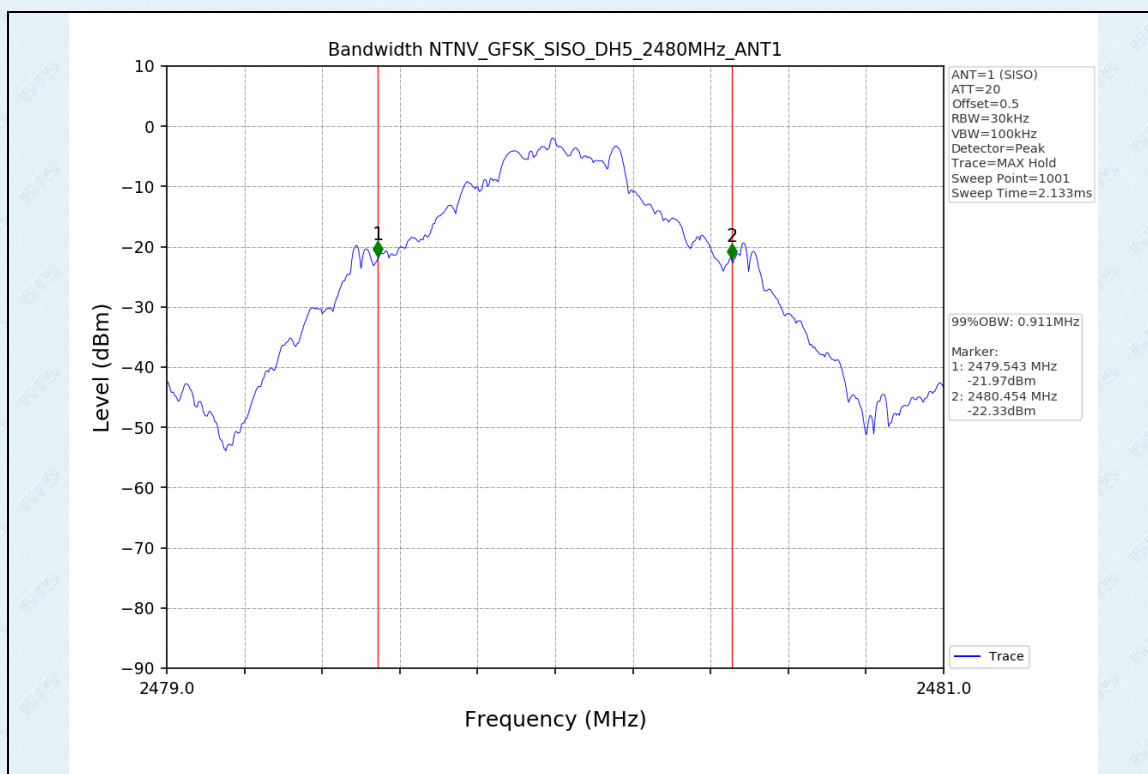
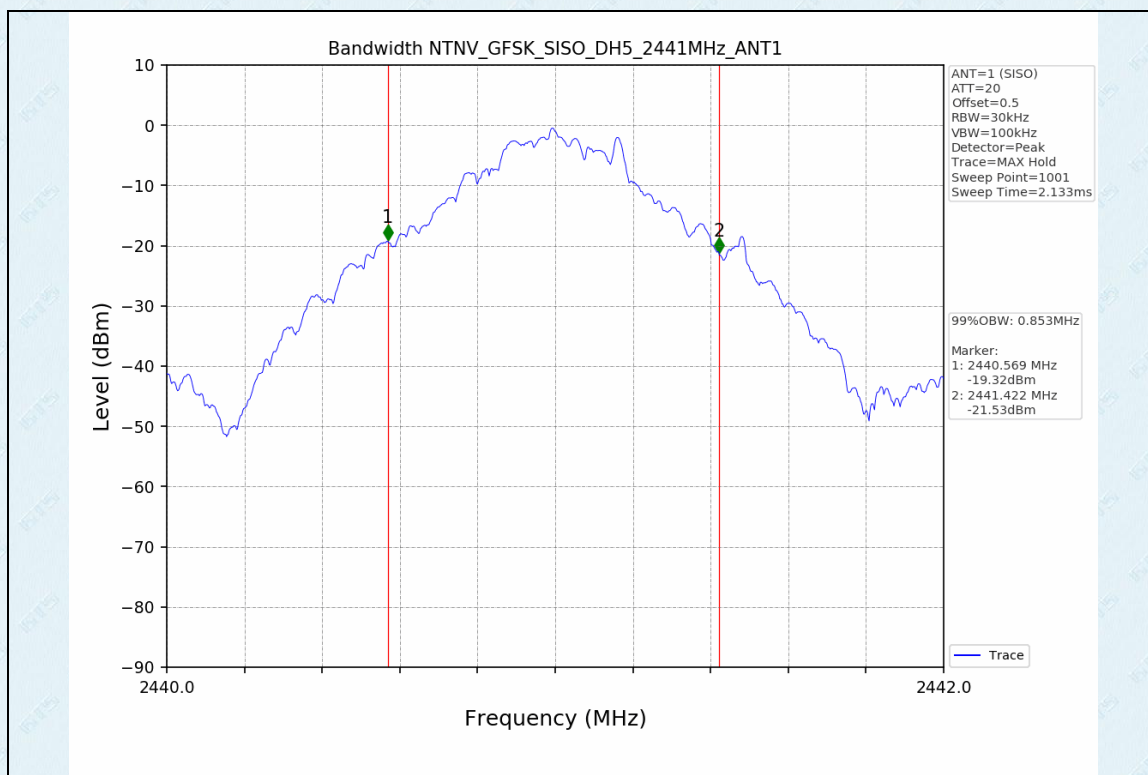


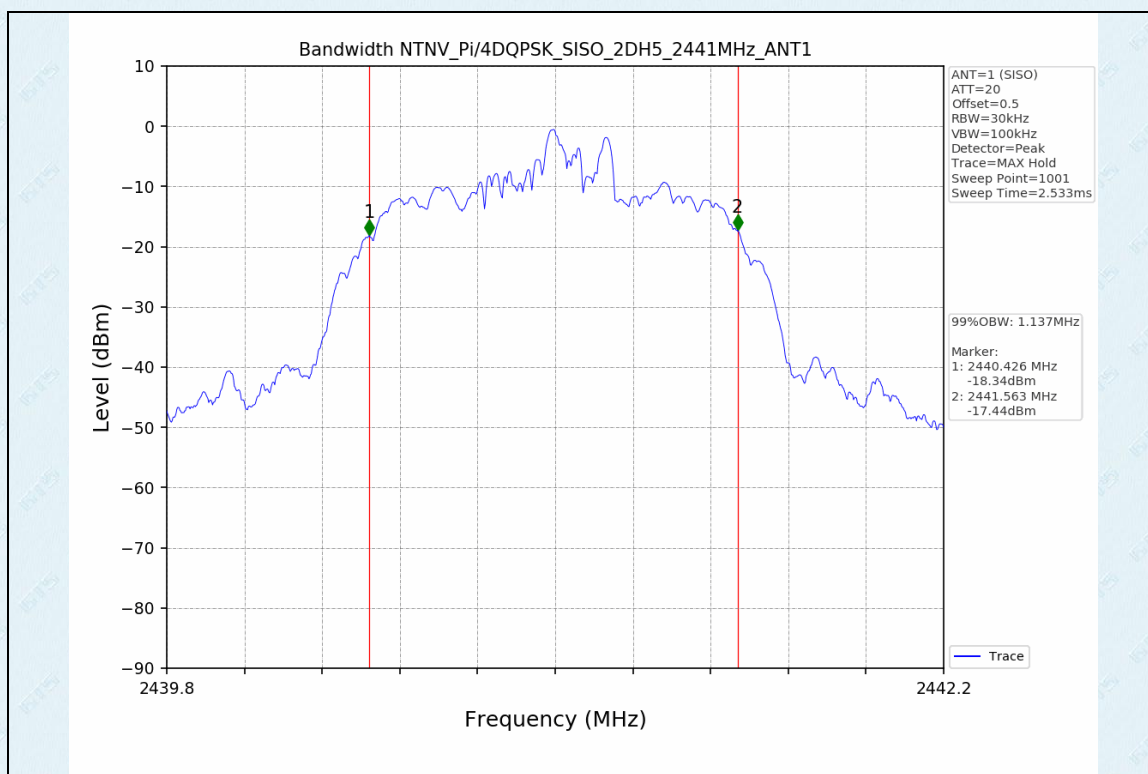
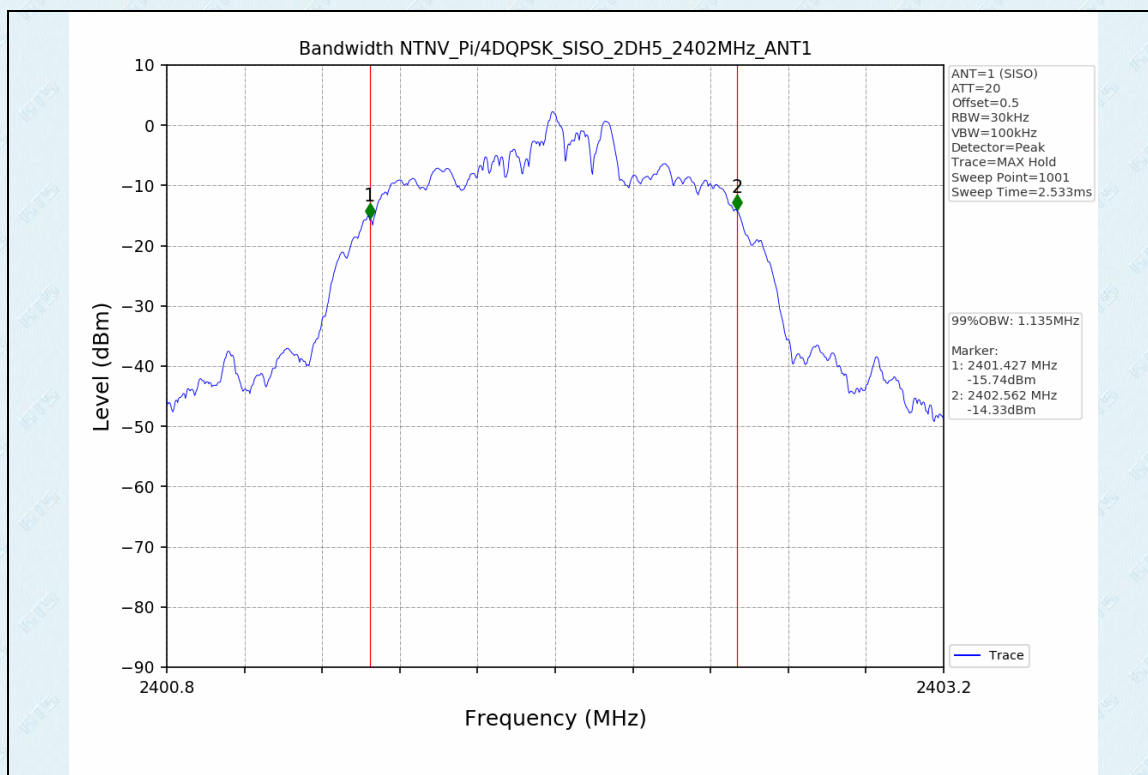


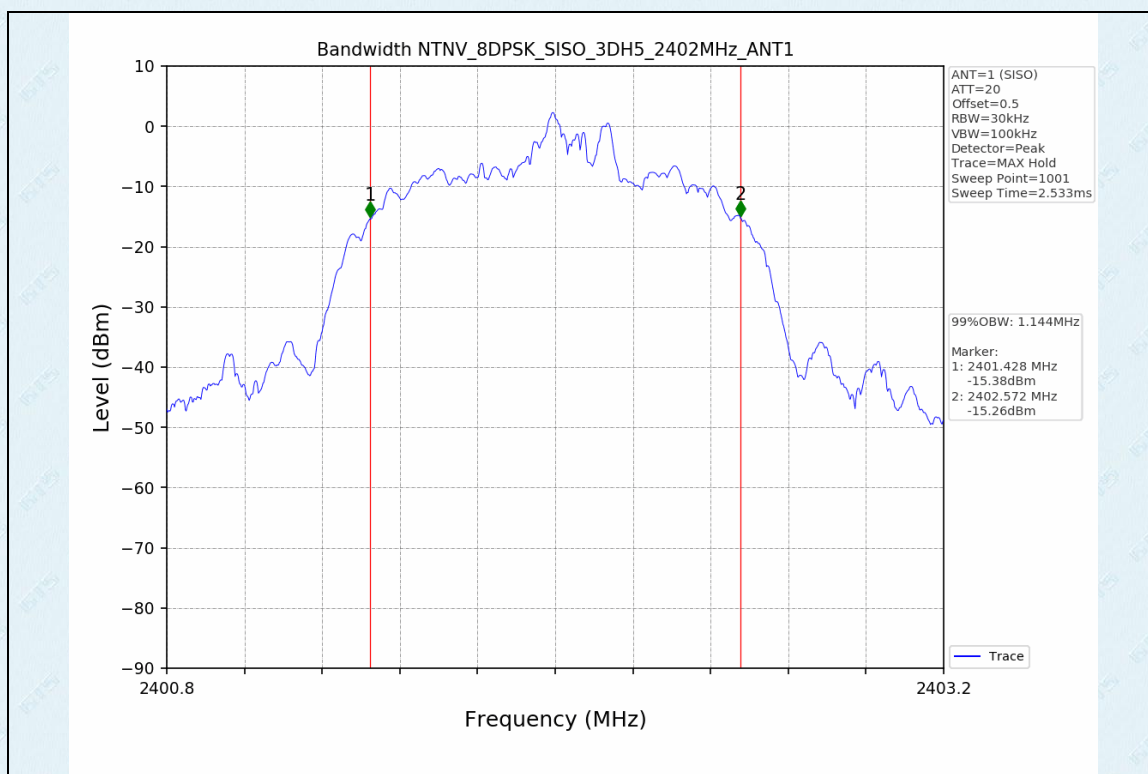
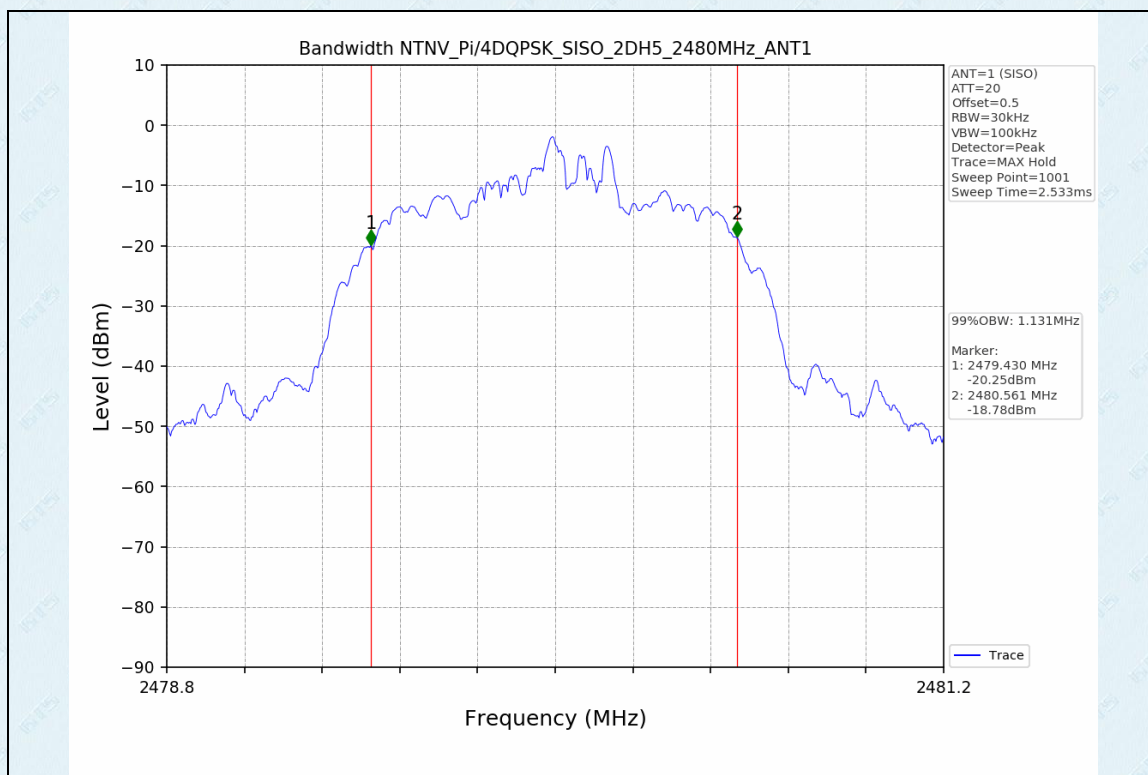


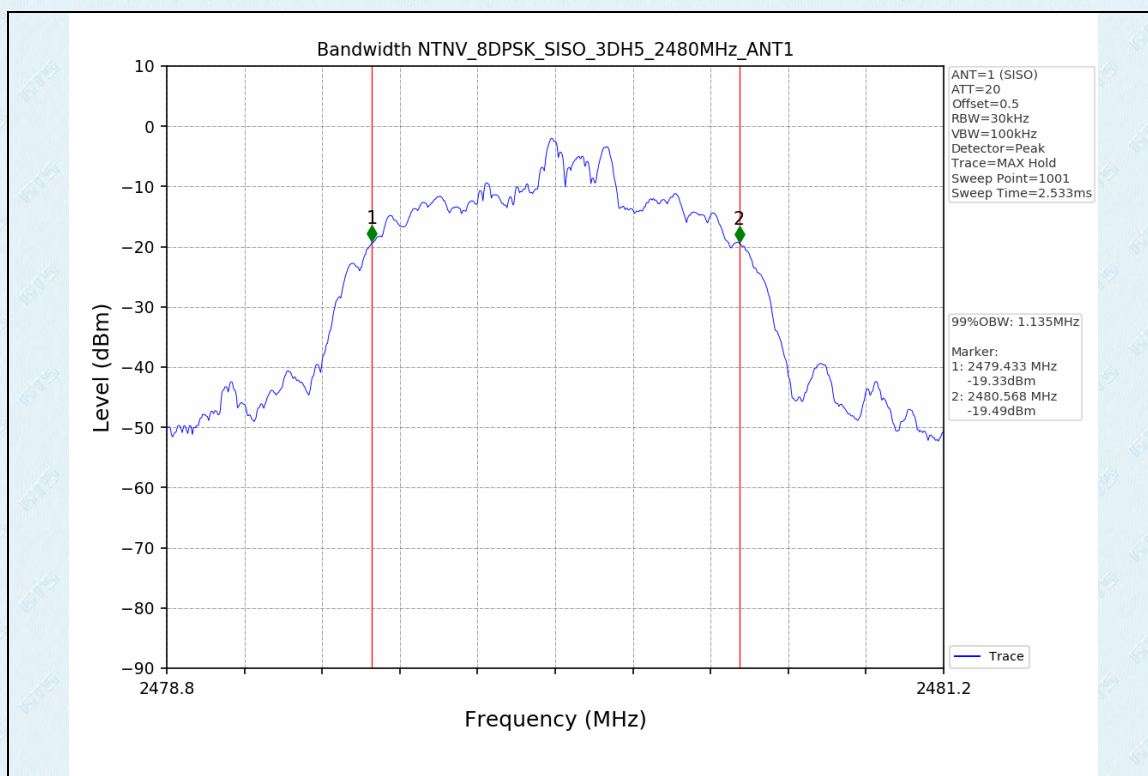
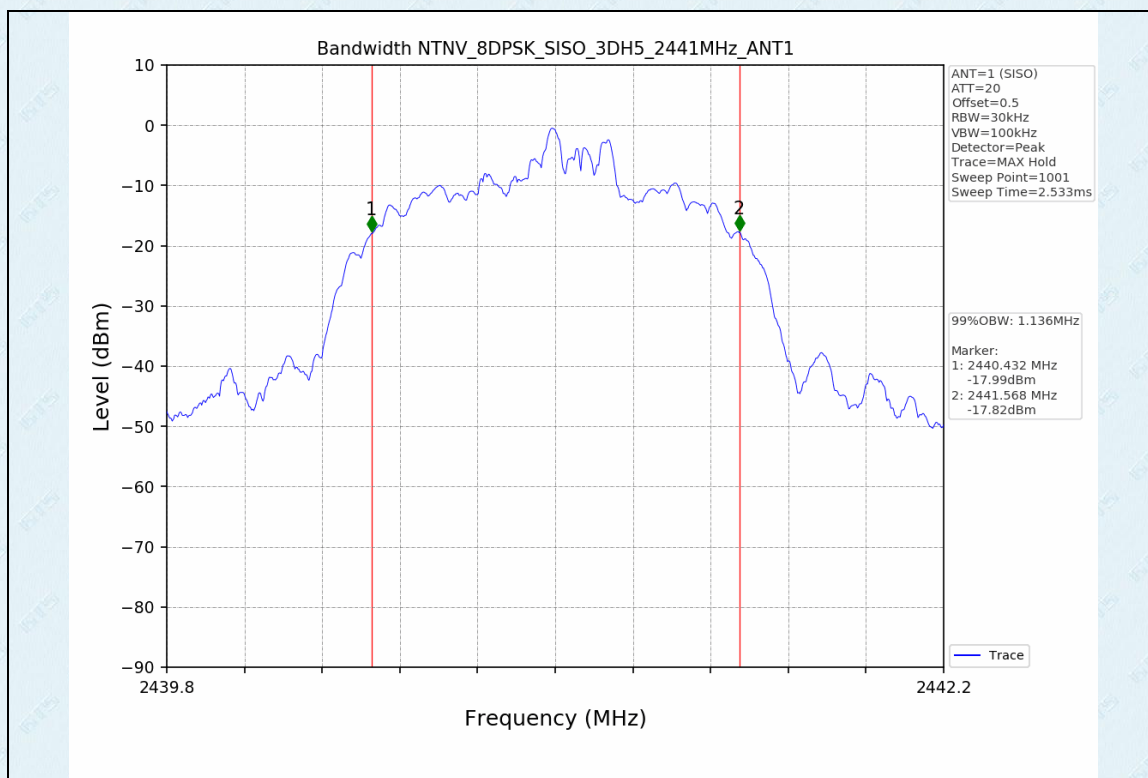
1.3 Test Graph - 99% Occupied Bandwidth









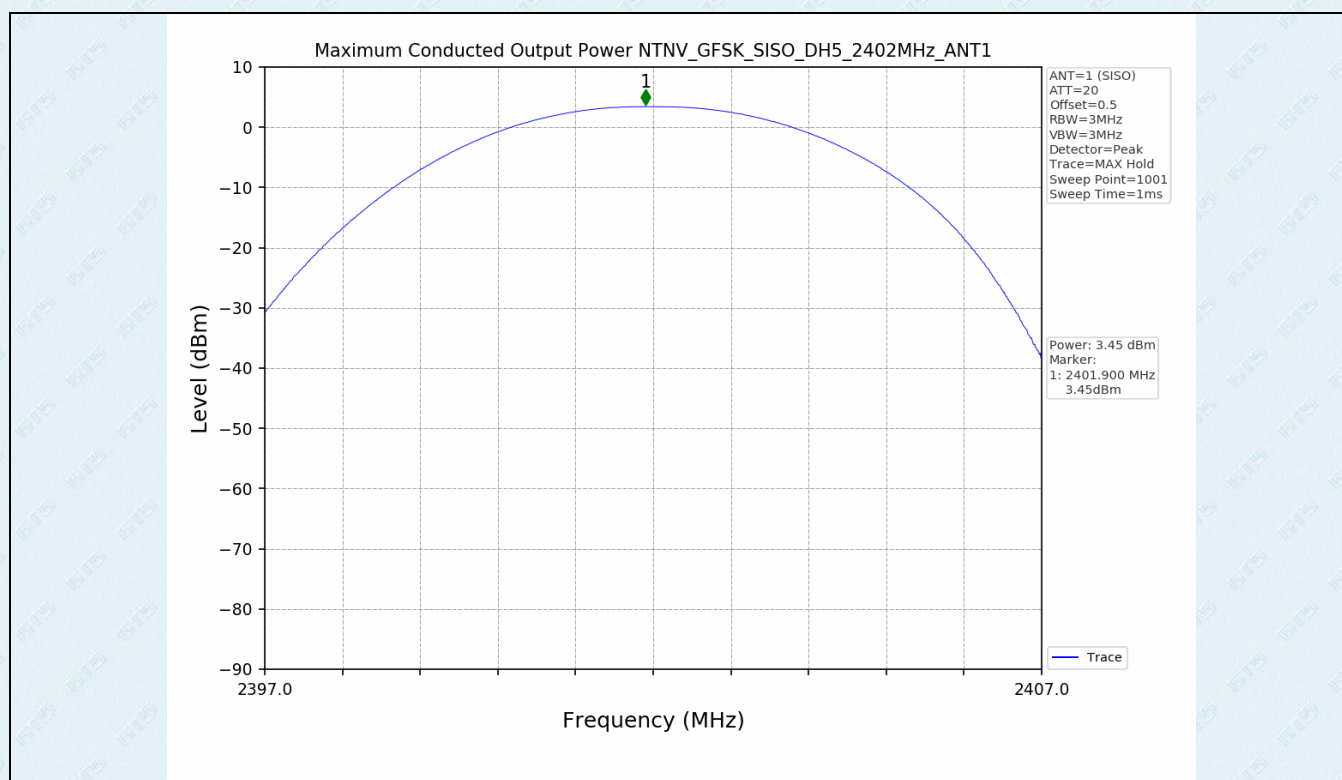


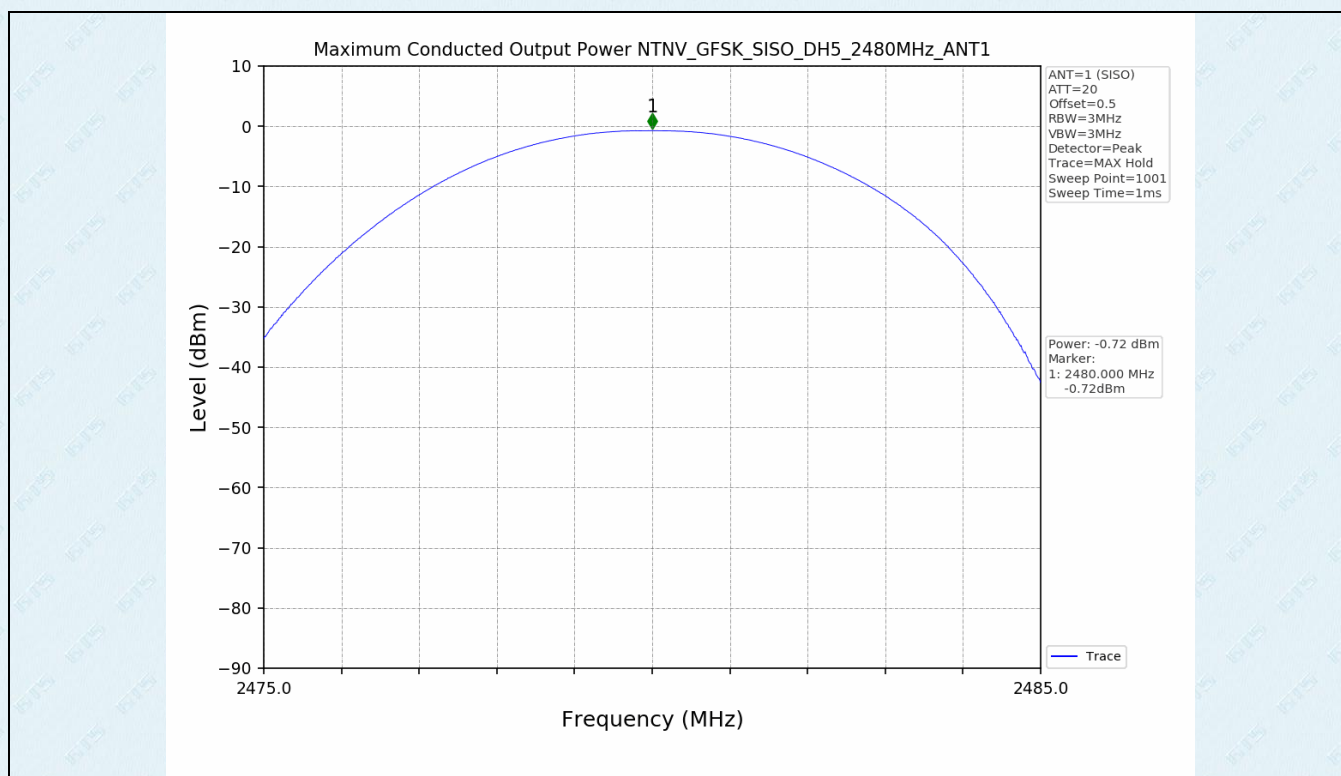
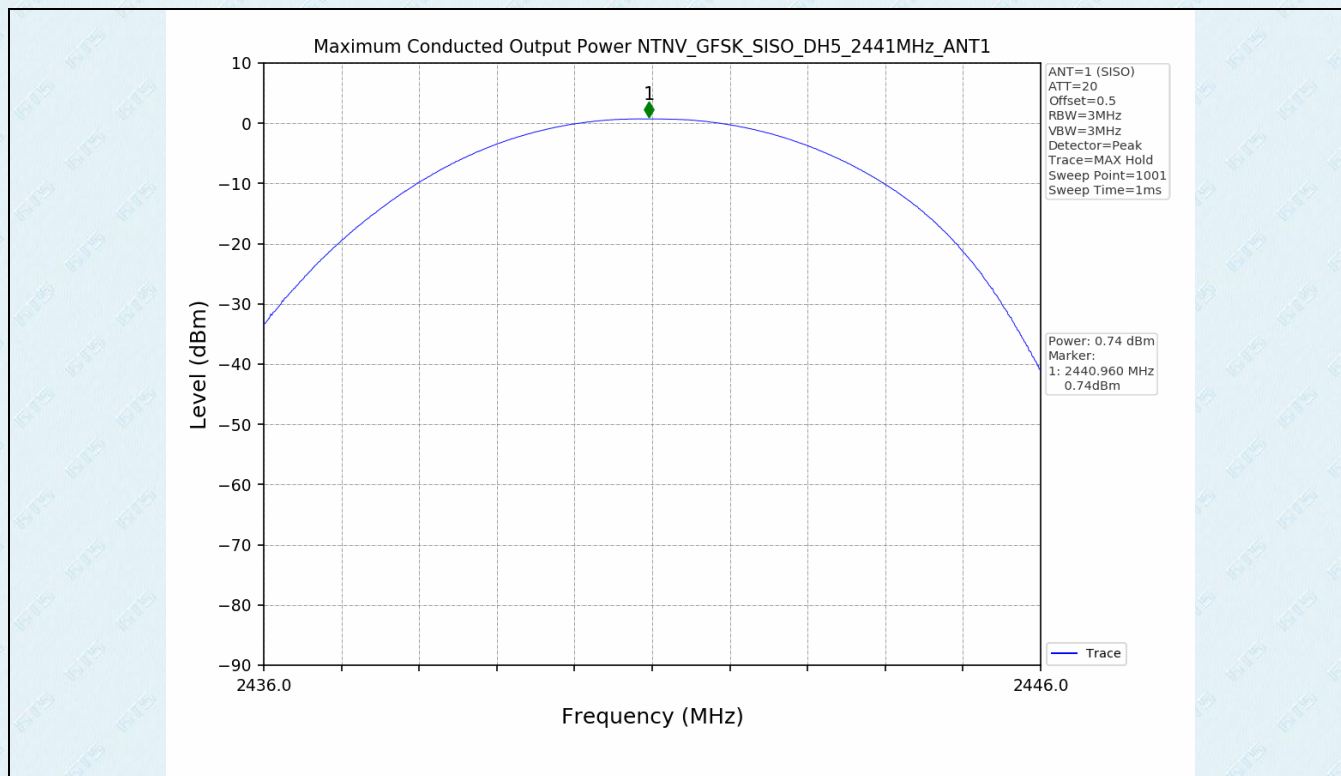
2. Maximum Conducted Output Power

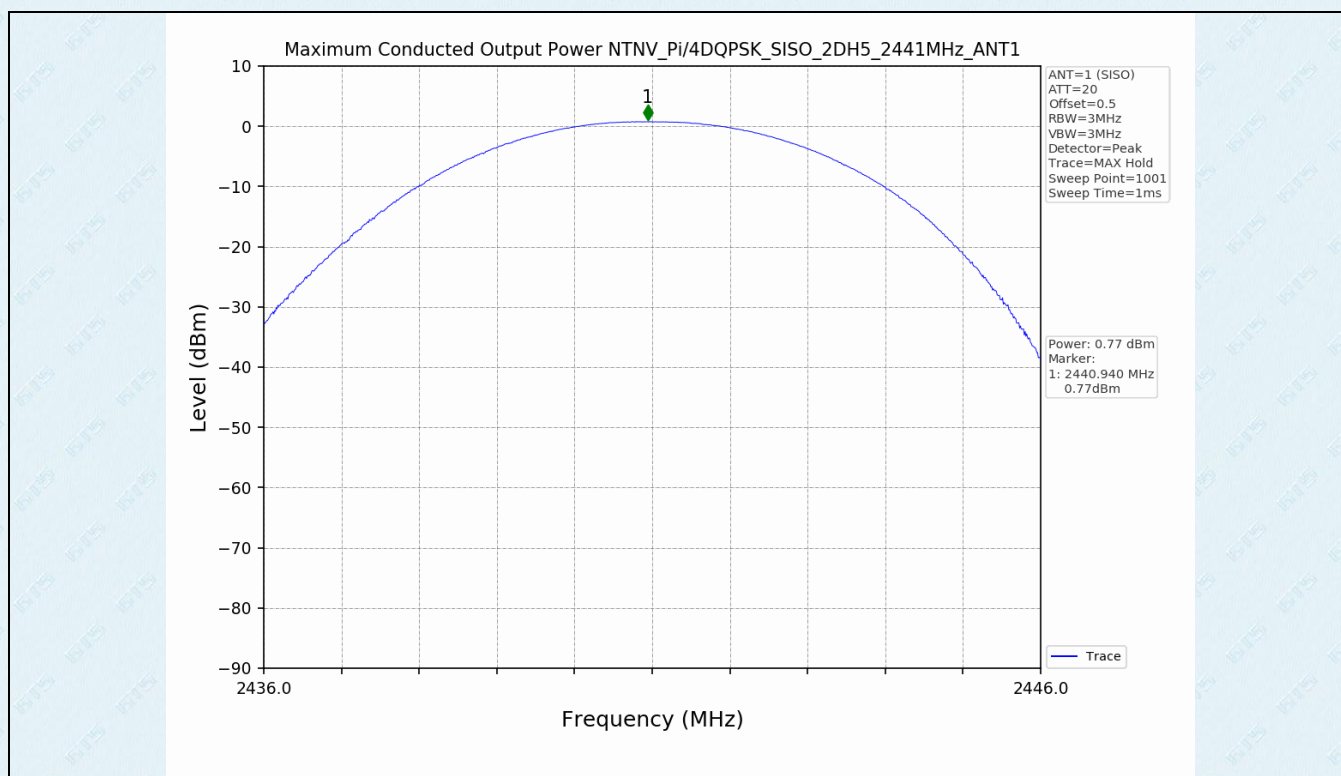
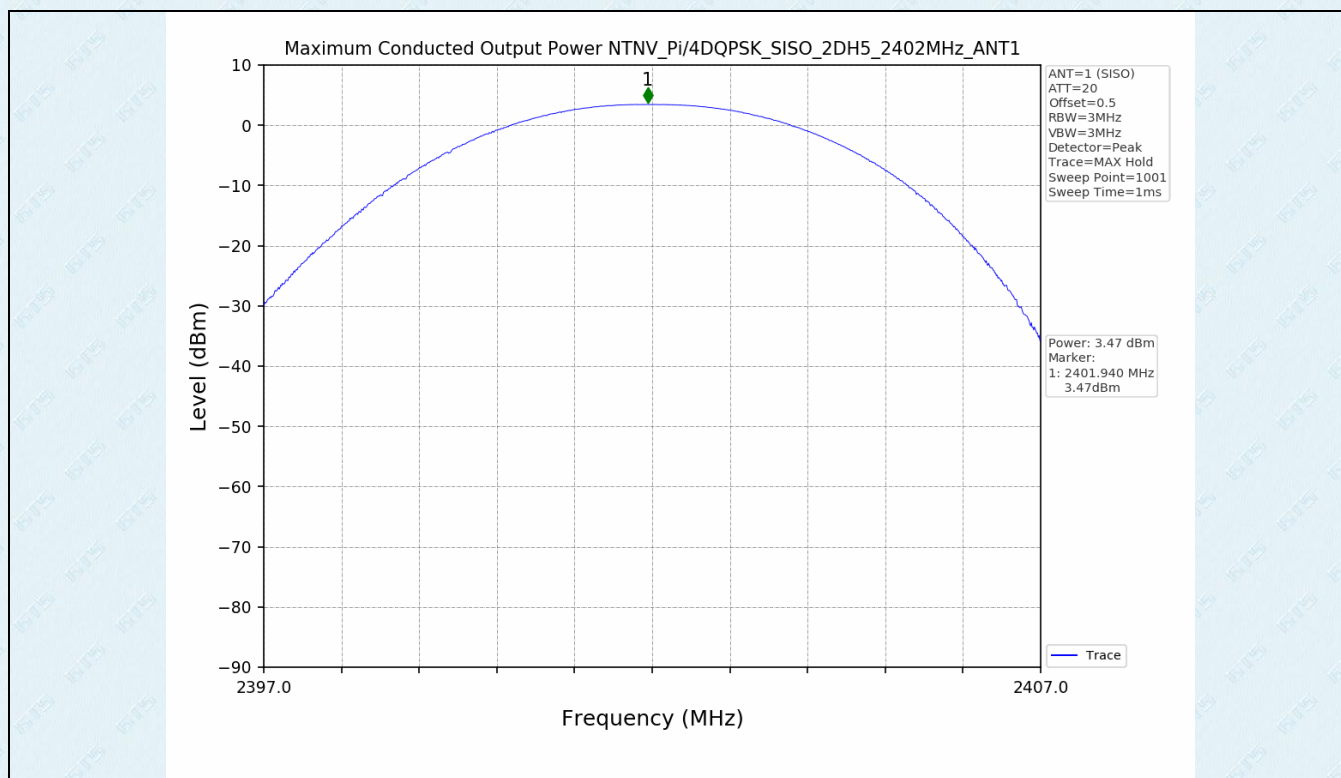
2.1 Test Result

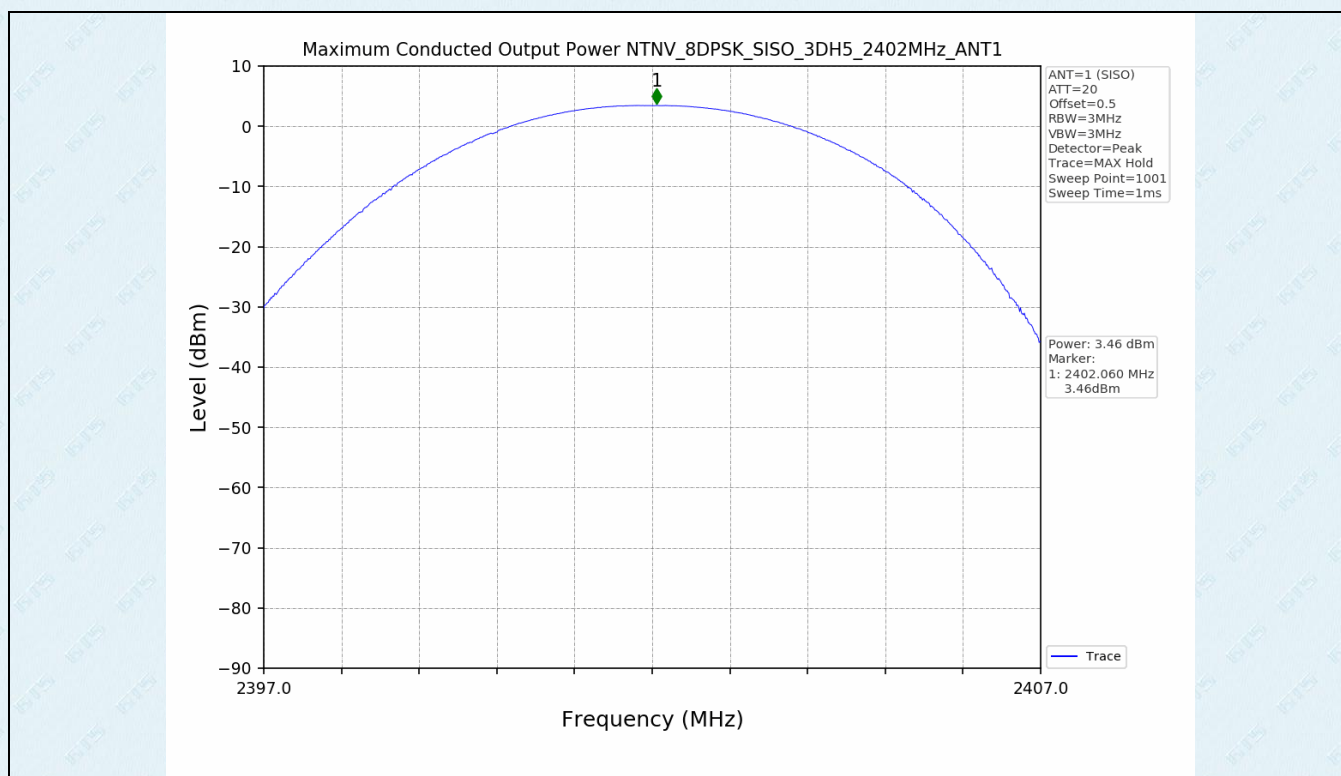
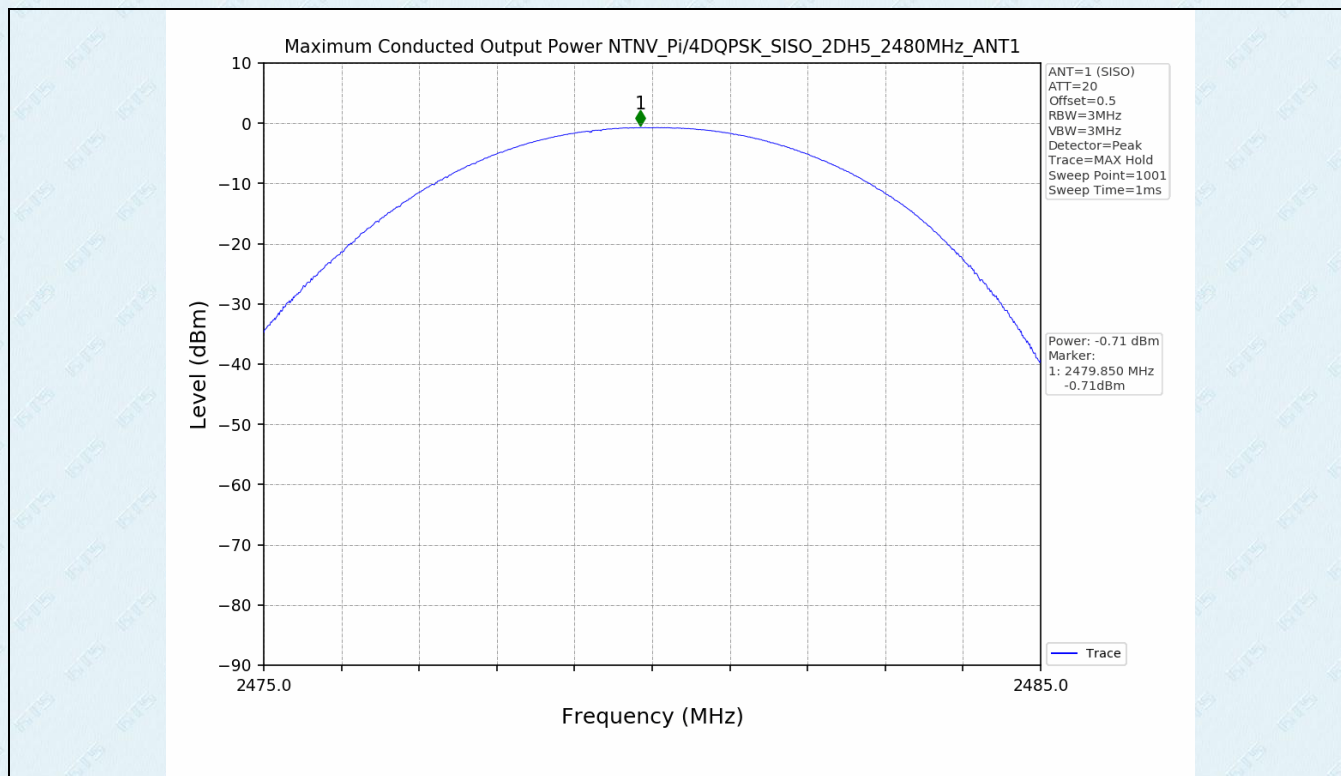
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	3.45	20.97	PASS
	2441	SISO	0.74	20.97	PASS
	2480	SISO	-0.72	20.97	PASS
$\pi/4$ -DQPSK	2402	SISO	3.47	20.97	PASS
	2441	SISO	0.77	20.97	PASS
	2480	SISO	-0.71	20.97	PASS
8-DPSK	2402	SISO	3.46	20.97	PASS
	2441	SISO	0.78	20.97	PASS
	2480	SISO	-0.69	20.97	PASS

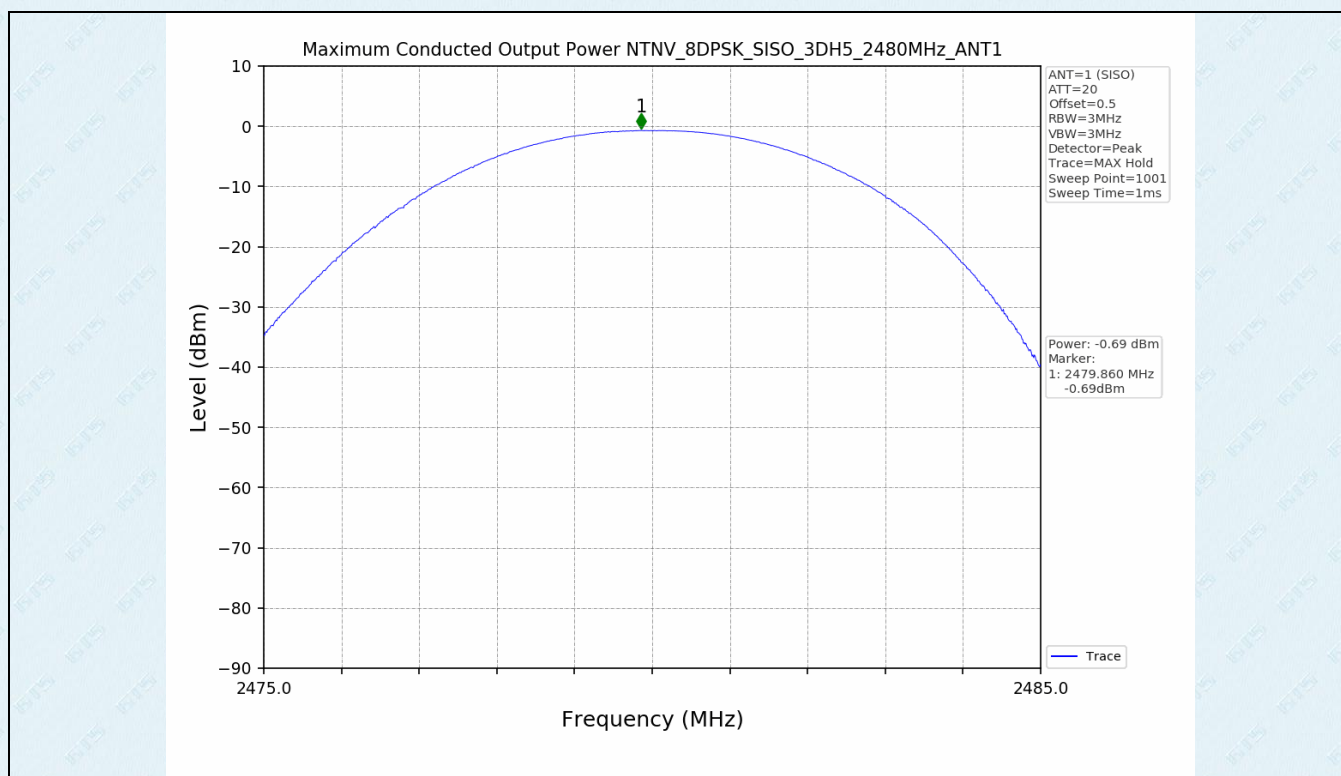
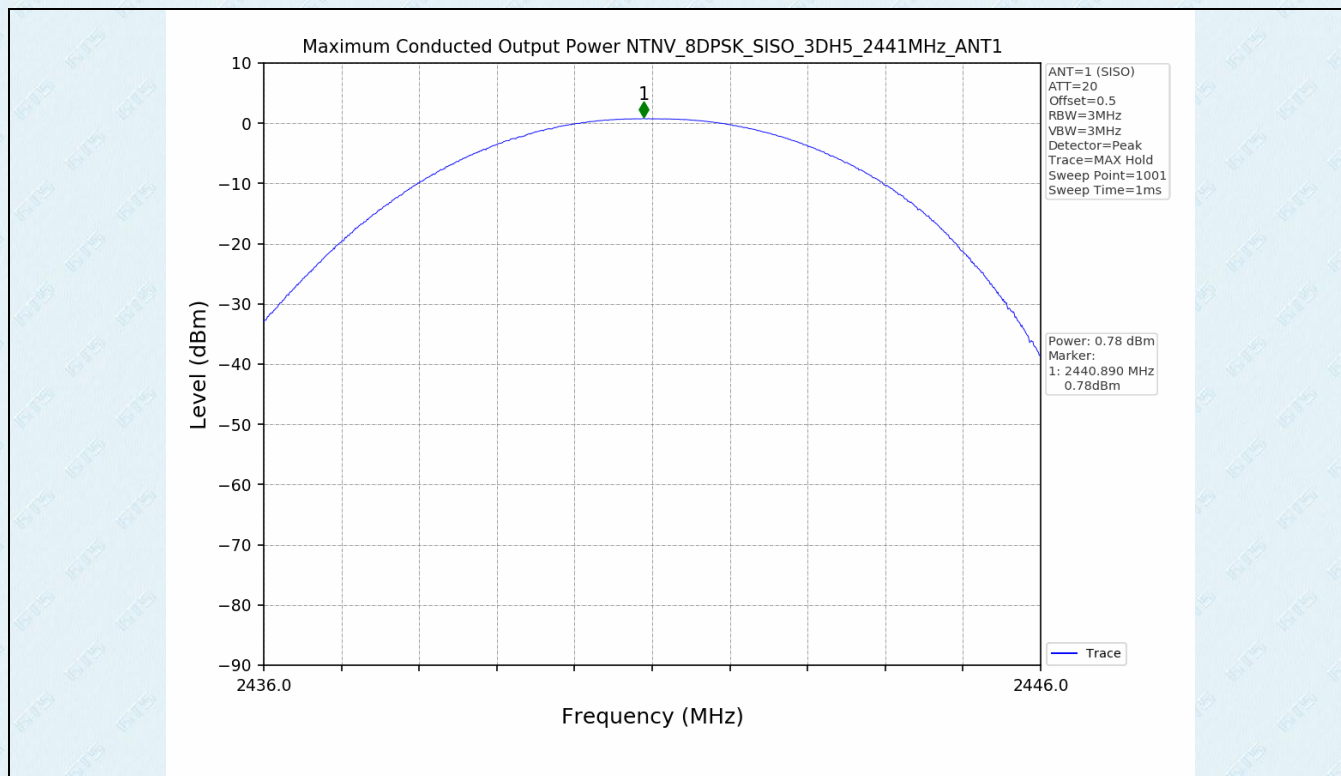
2.2 Test Graph









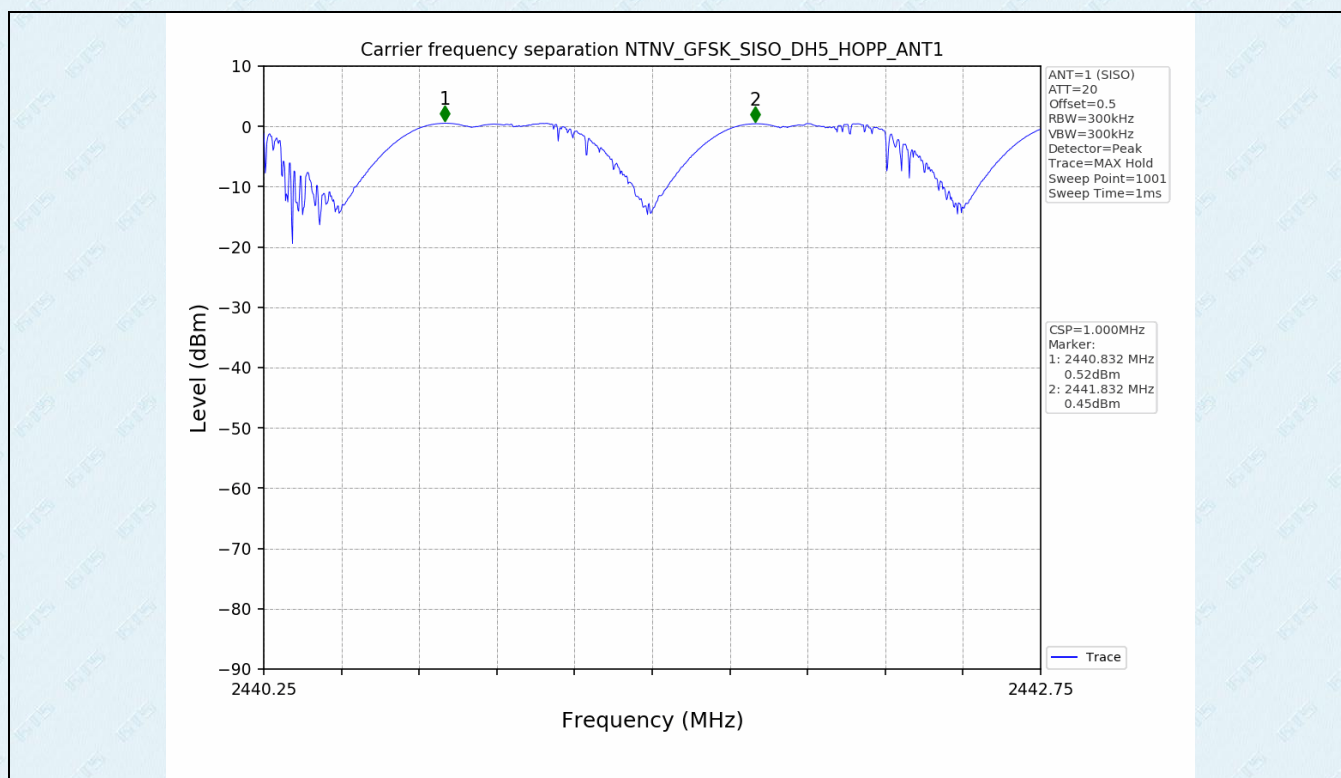


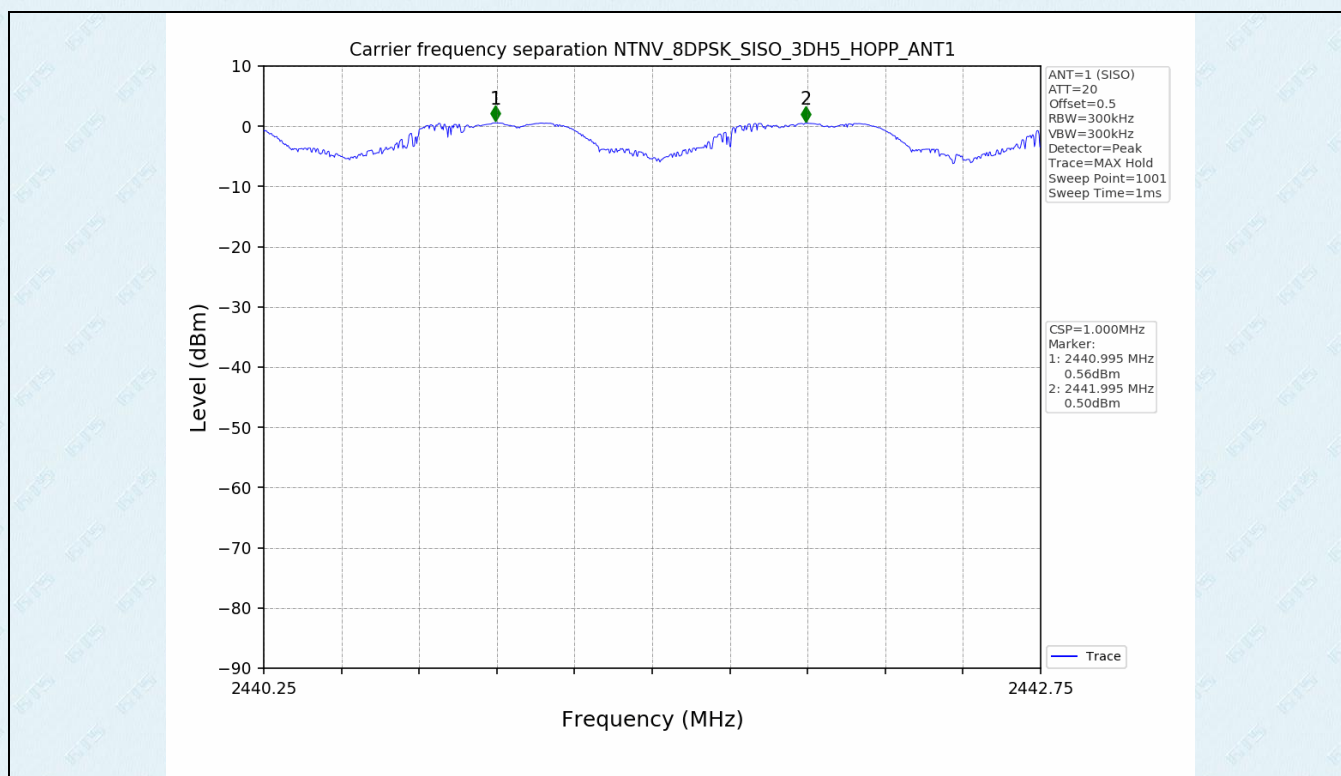
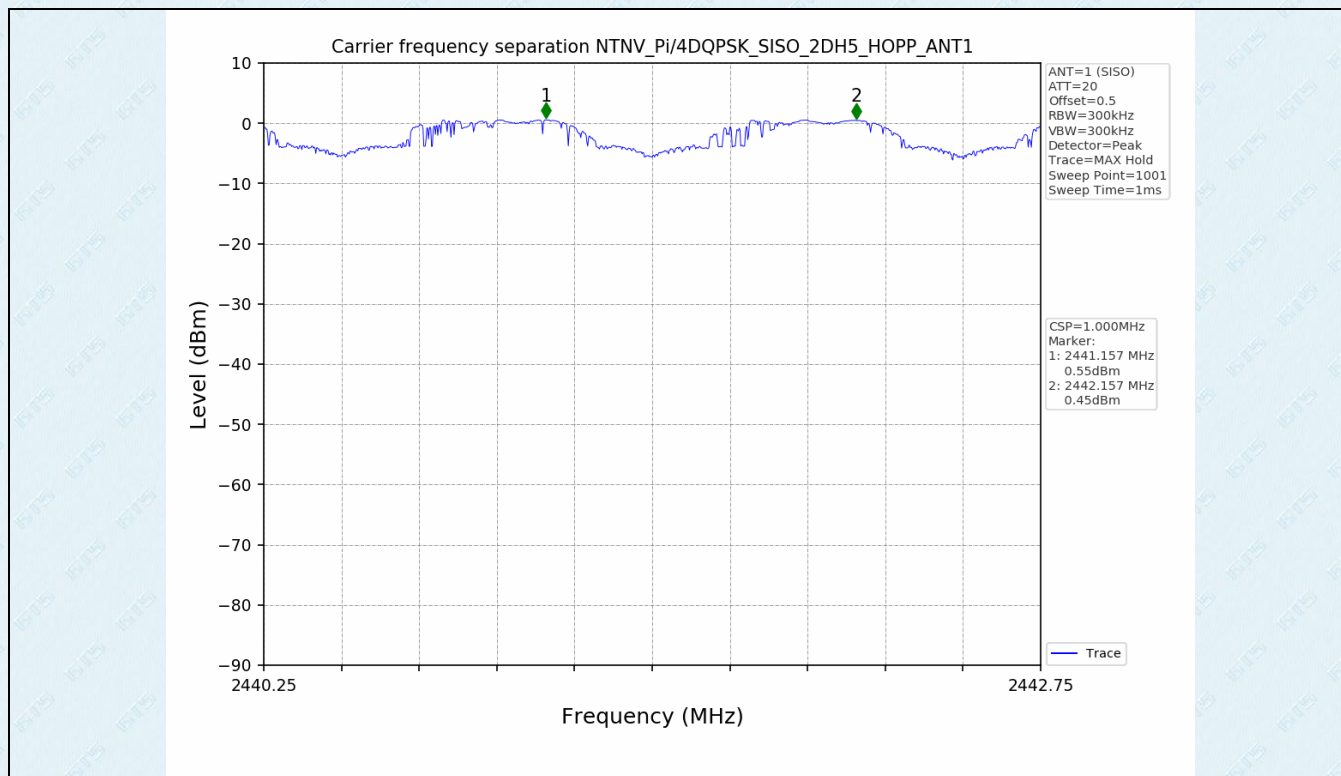
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	1.044	≥ 0.696	PASS
$\pi/4$ -DQPSK	SISO	1	1.000	1.188	≥ 0.792	PASS
8-DPSK	SISO	1	1.000	1.202	≥ 0.801	PASS

3.2 Test Graph



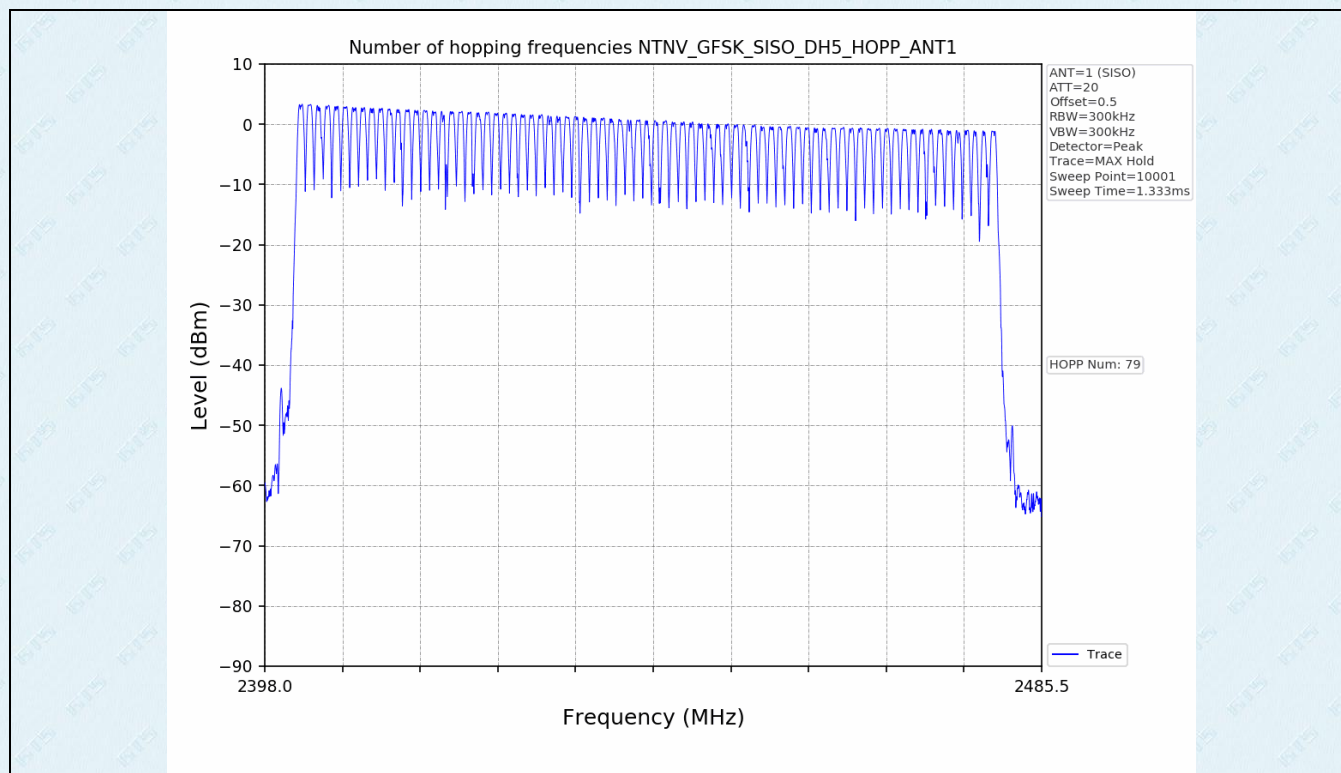


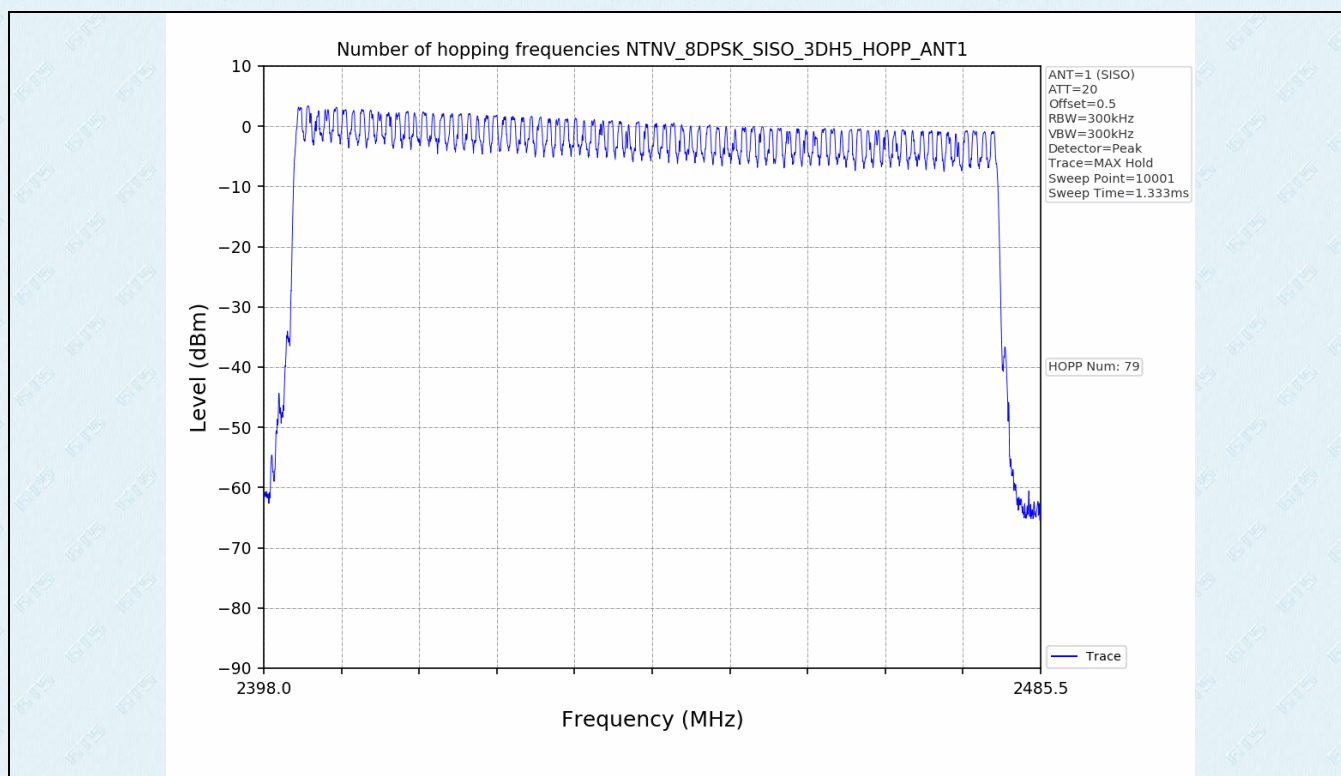
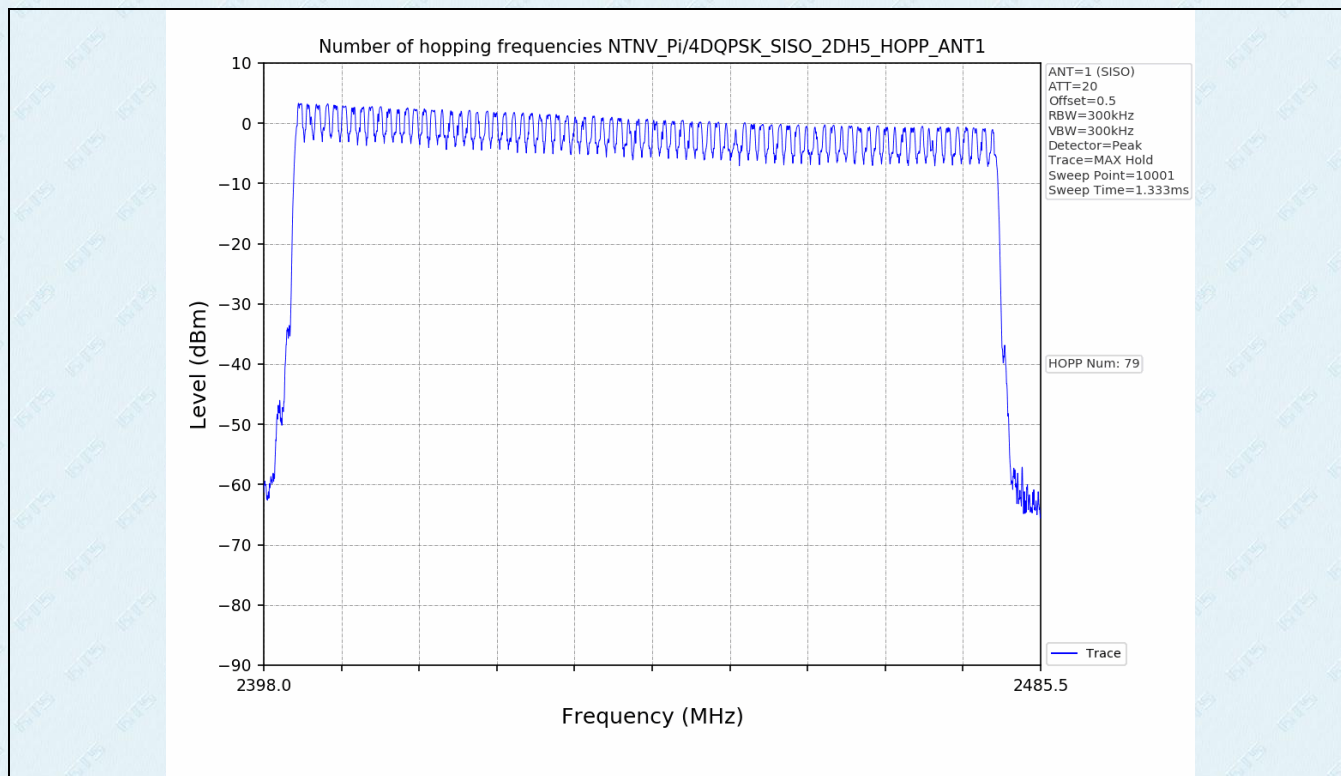
4. Number of hopping frequencies

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



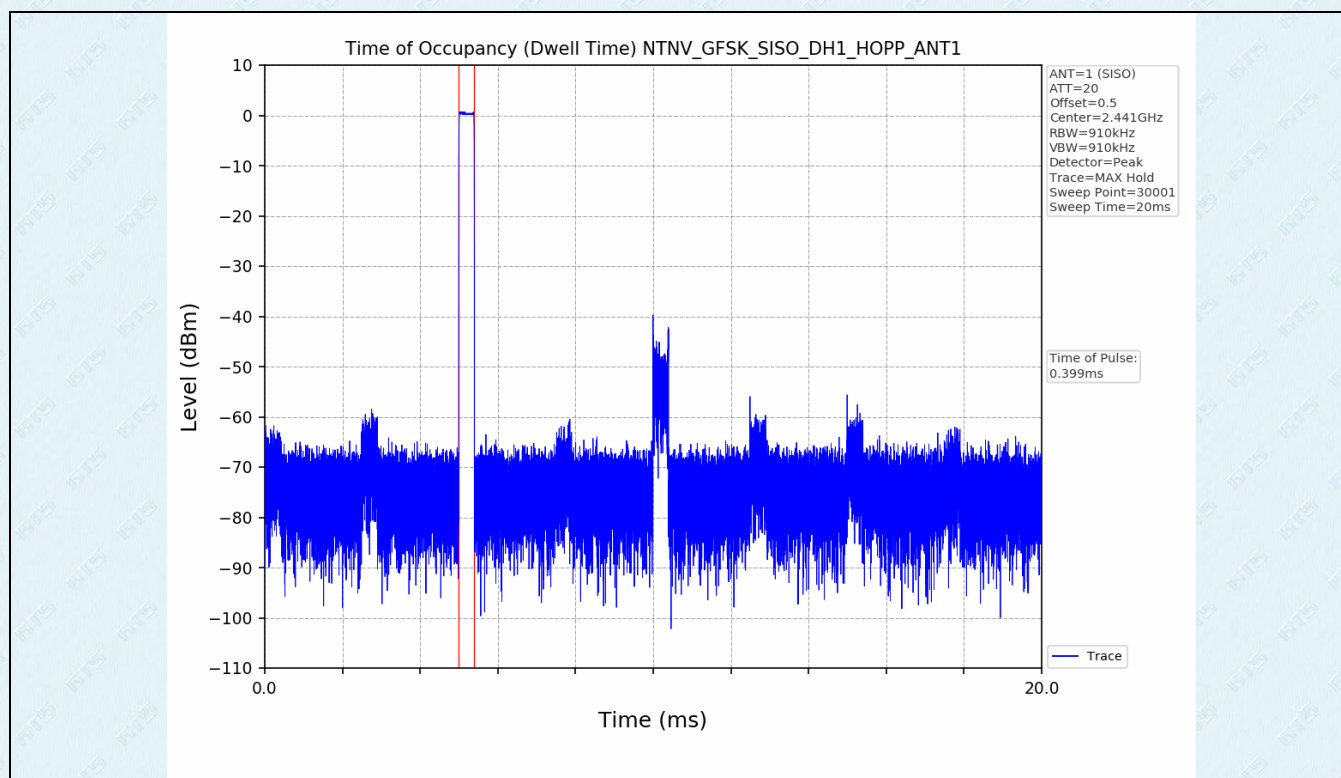


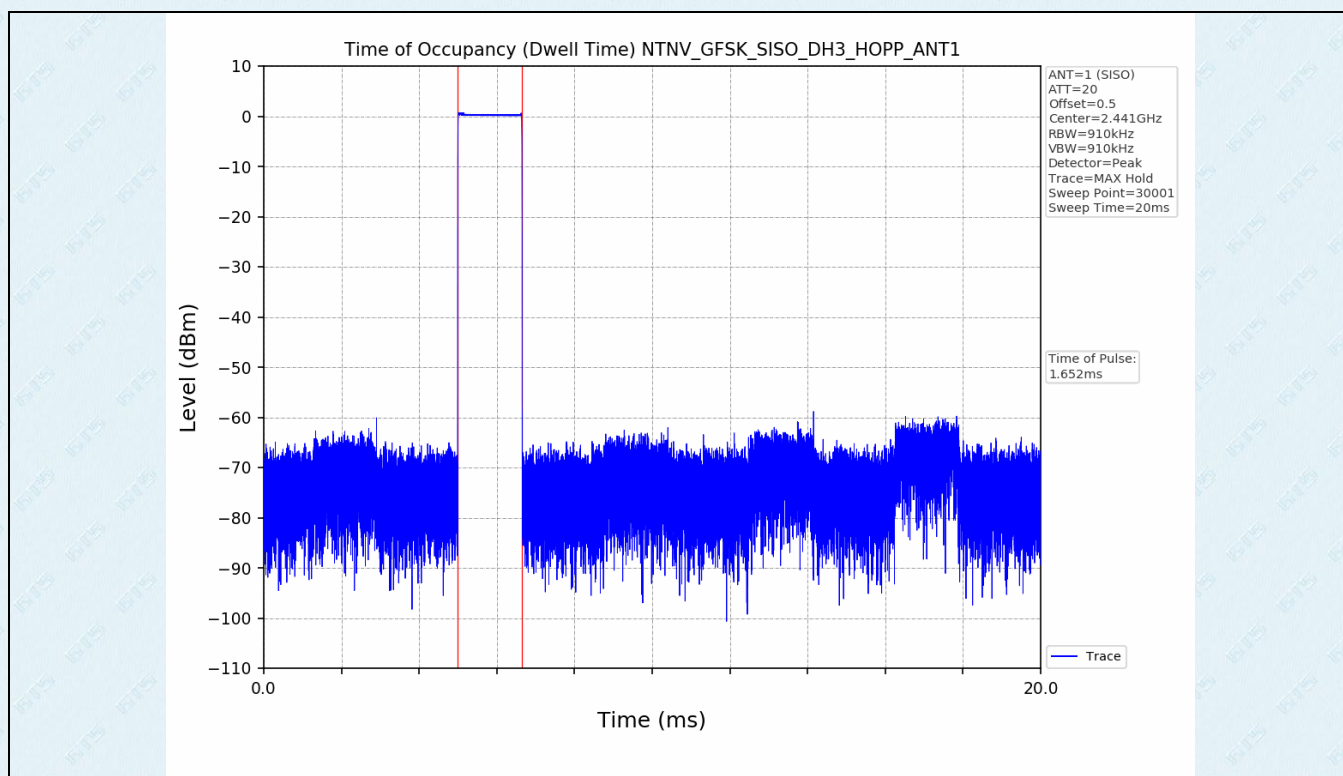
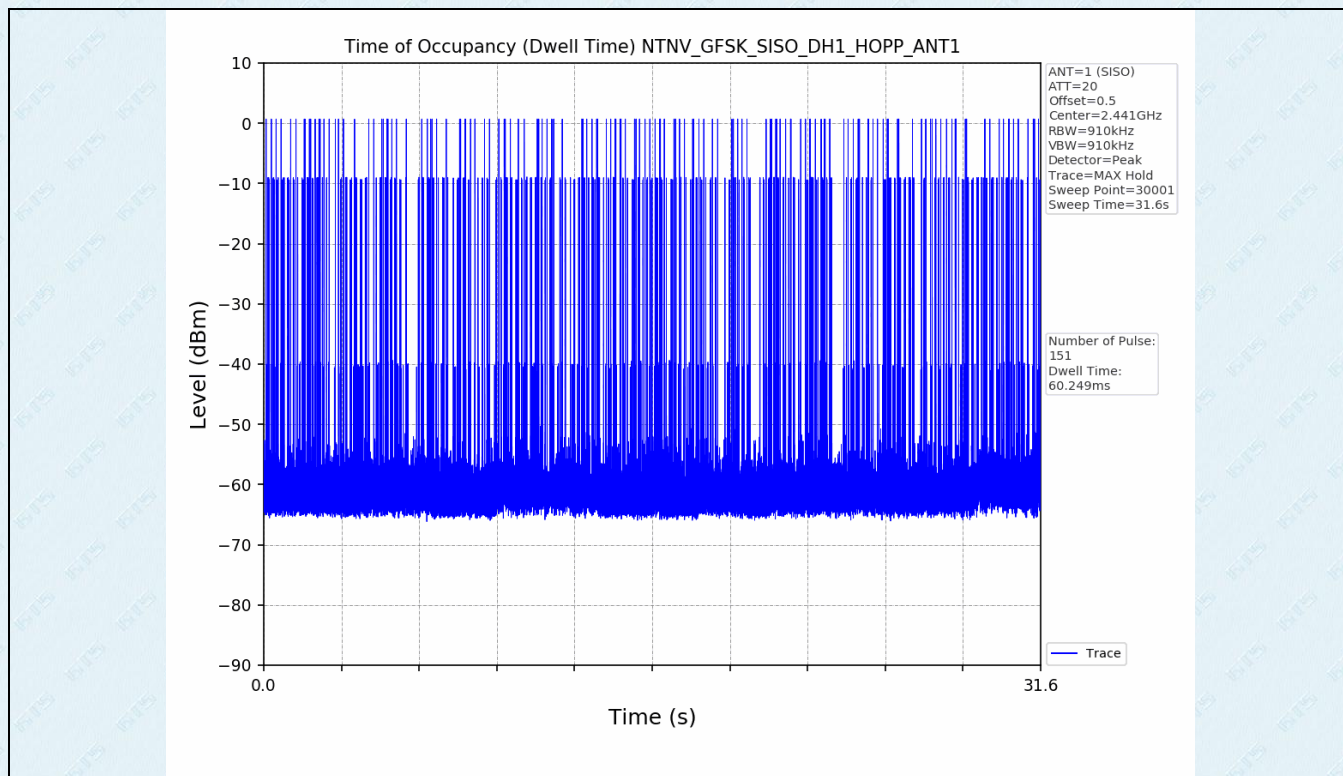
5. Time of Occupancy (Dwell Time)

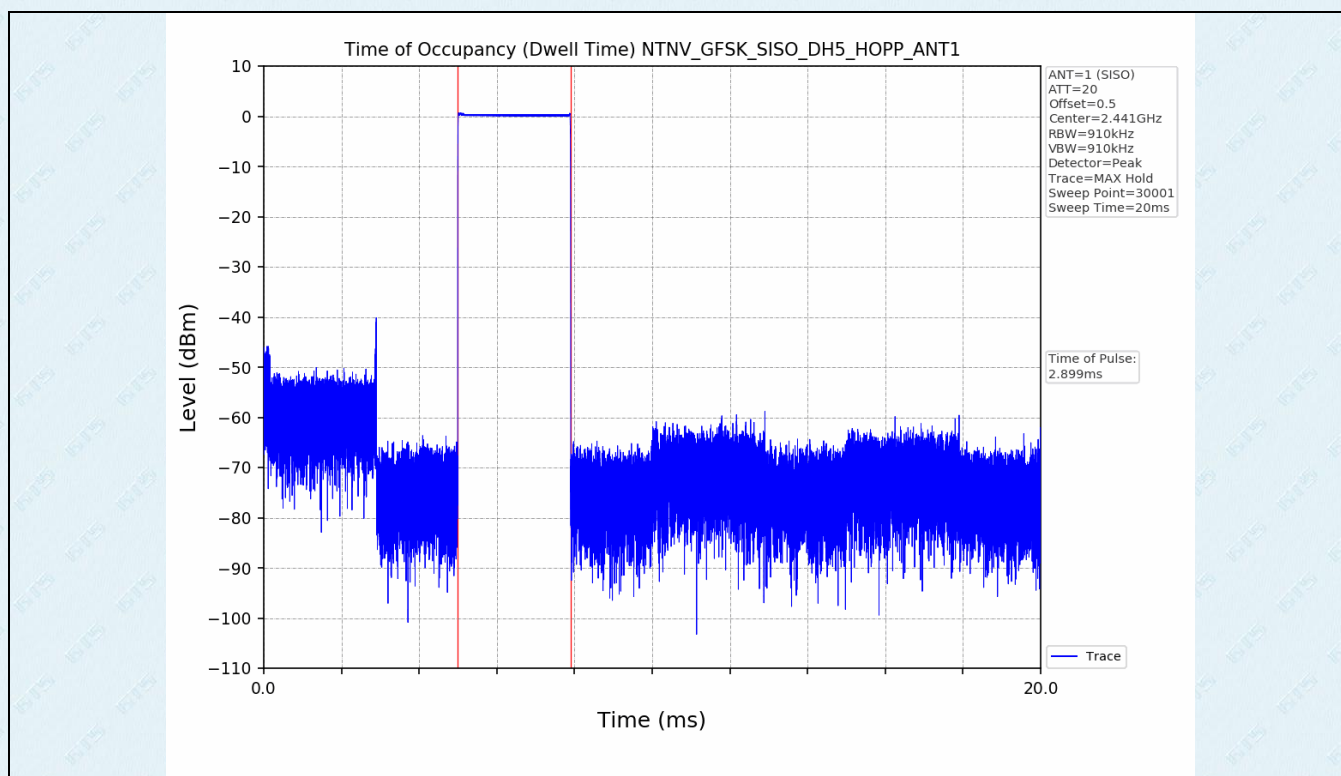
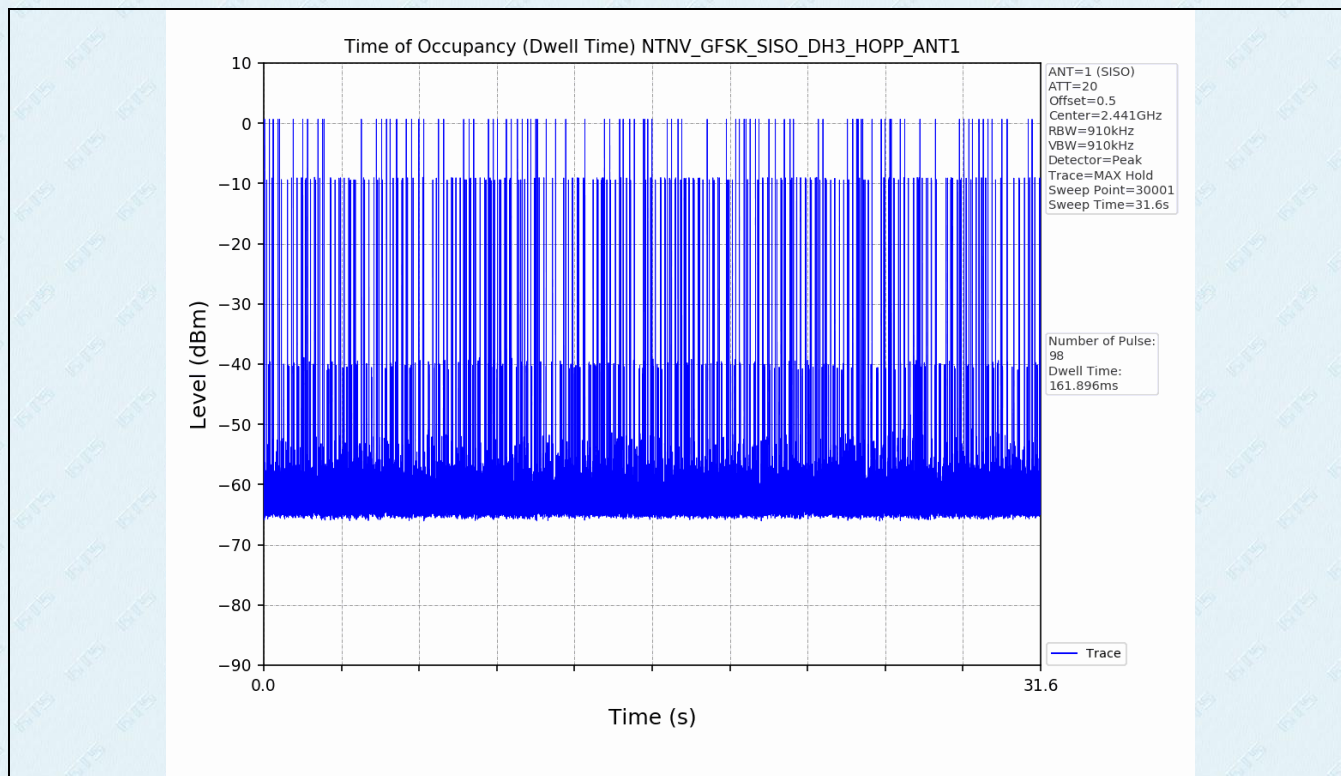
5.1 Test Result

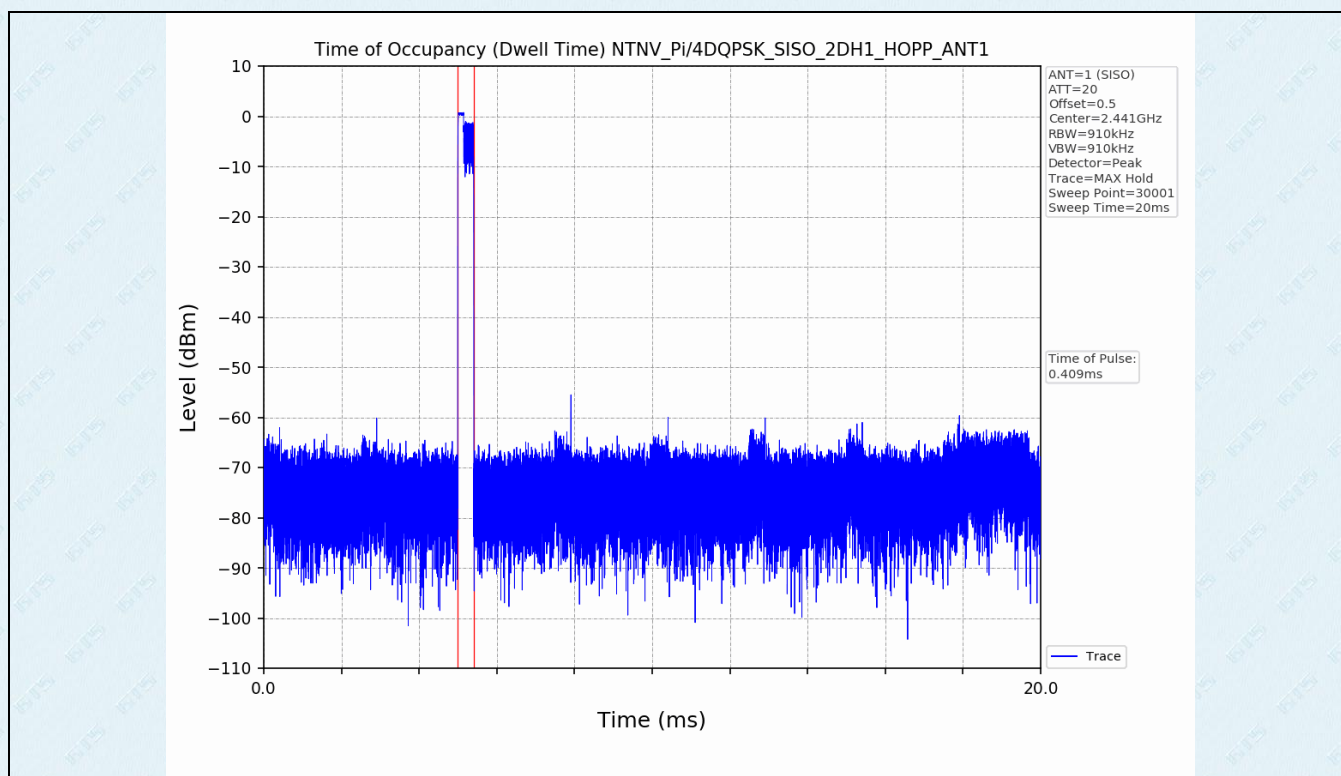
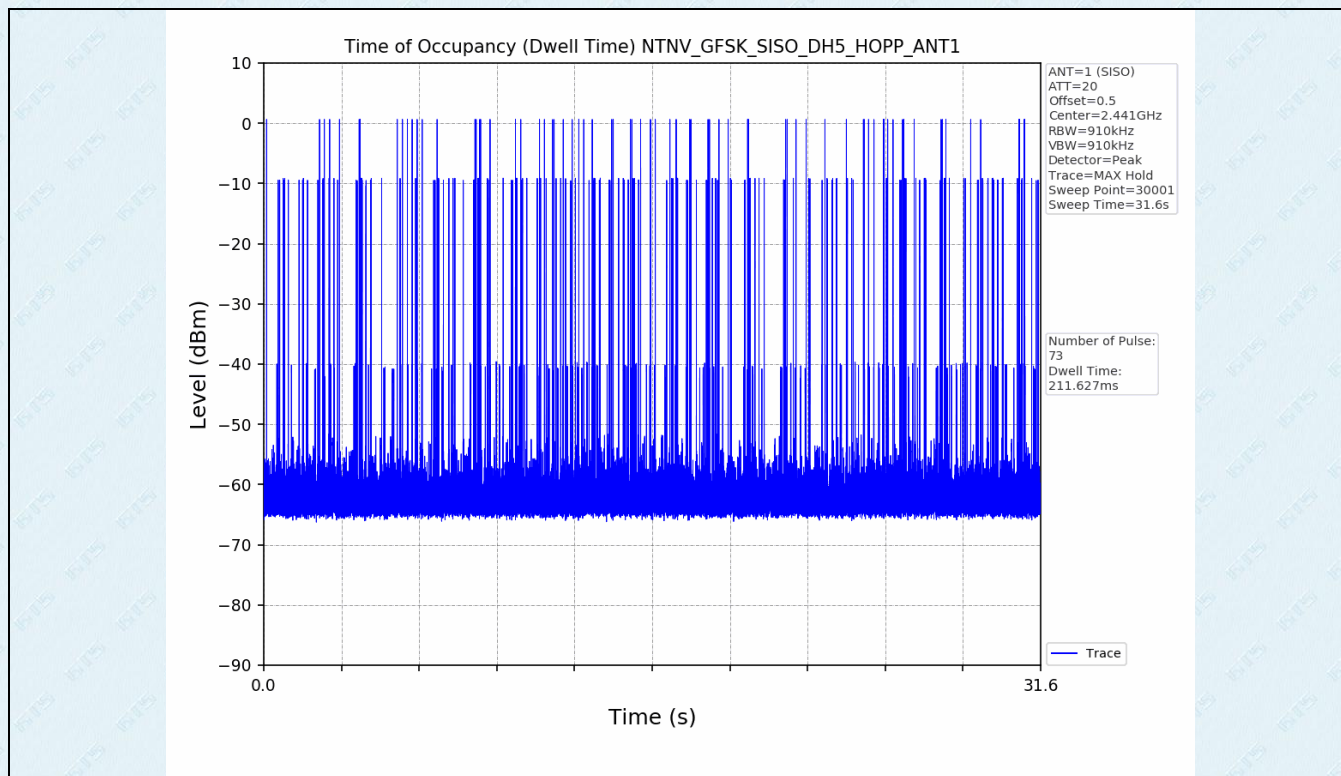
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.399	31.6	151	60.249	≤400	PASS
	DH3	SISO	1	1.652	31.6	98	161.896	≤400	PASS
	DH5	SISO	1	2.899	31.6	73	211.627	≤400	PASS
π/4-DQPSK	2DH1	SISO	1	0.409	31.6	169	69.121	≤400	PASS
	2DH3	SISO	1	1.661	31.6	108	179.388	≤400	PASS
	2DH5	SISO	1	2.909	31.6	78	226.902	≤400	PASS
8-DPSK	3DH1	SISO	1	0.412	31.6	169	69.628	≤400	PASS
	3DH3	SISO	1	1.663	31.6	100	166.300	≤400	PASS
	3DH5	SISO	1	2.915	31.6	84	244.860	≤400	PASS

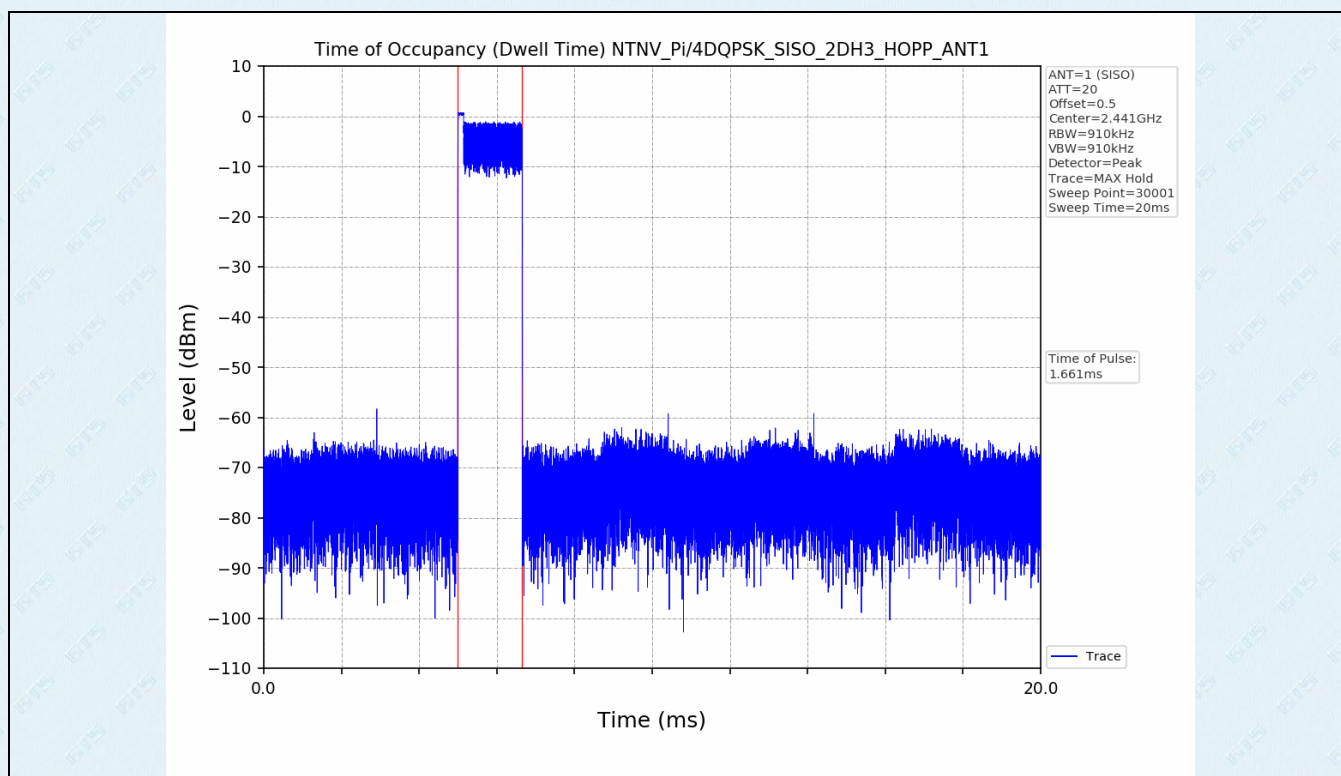
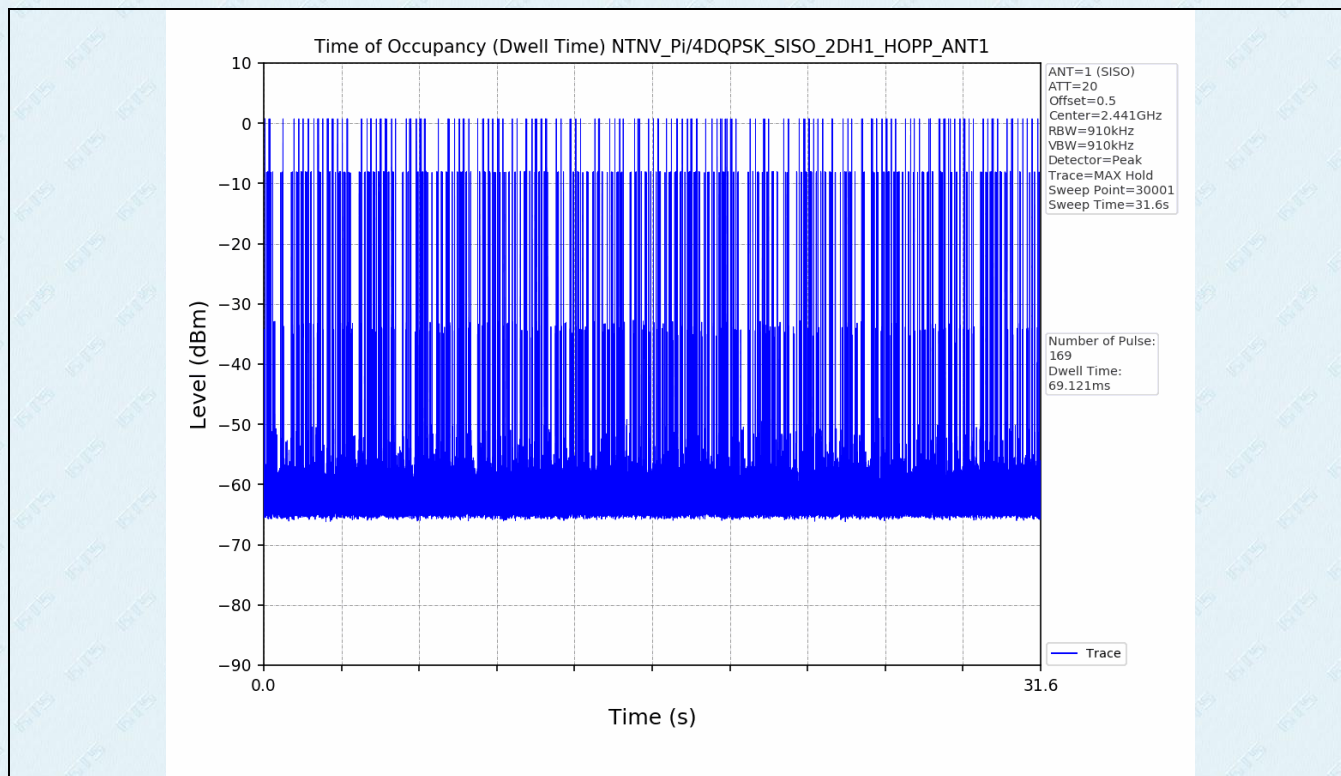
5.2 Test Graph

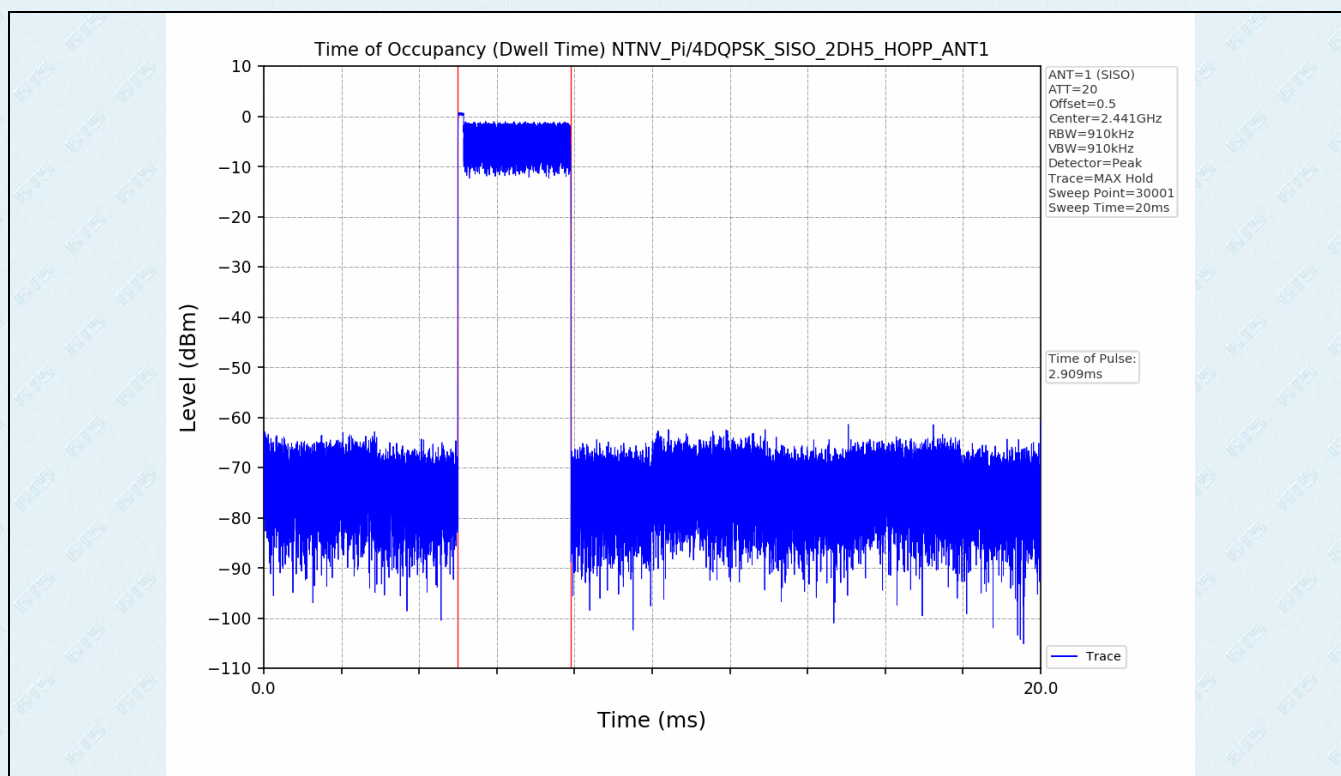
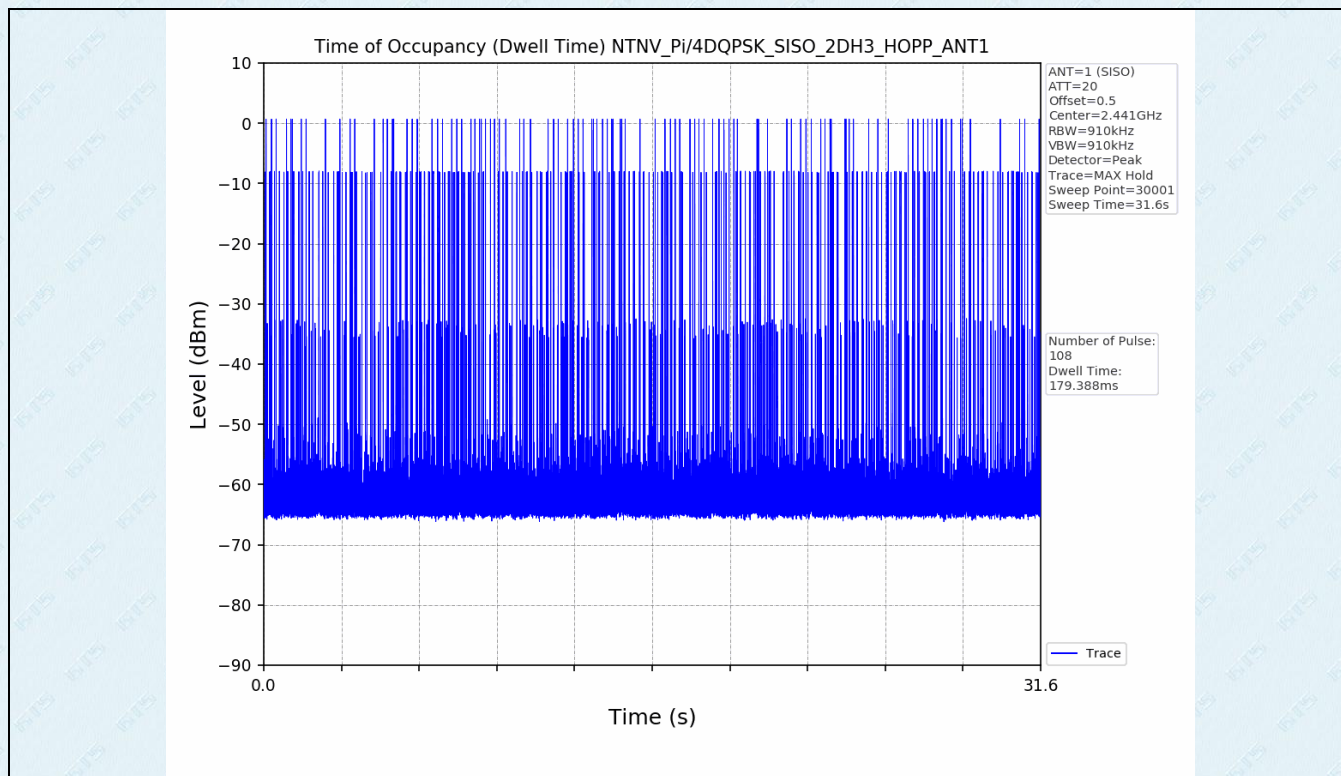


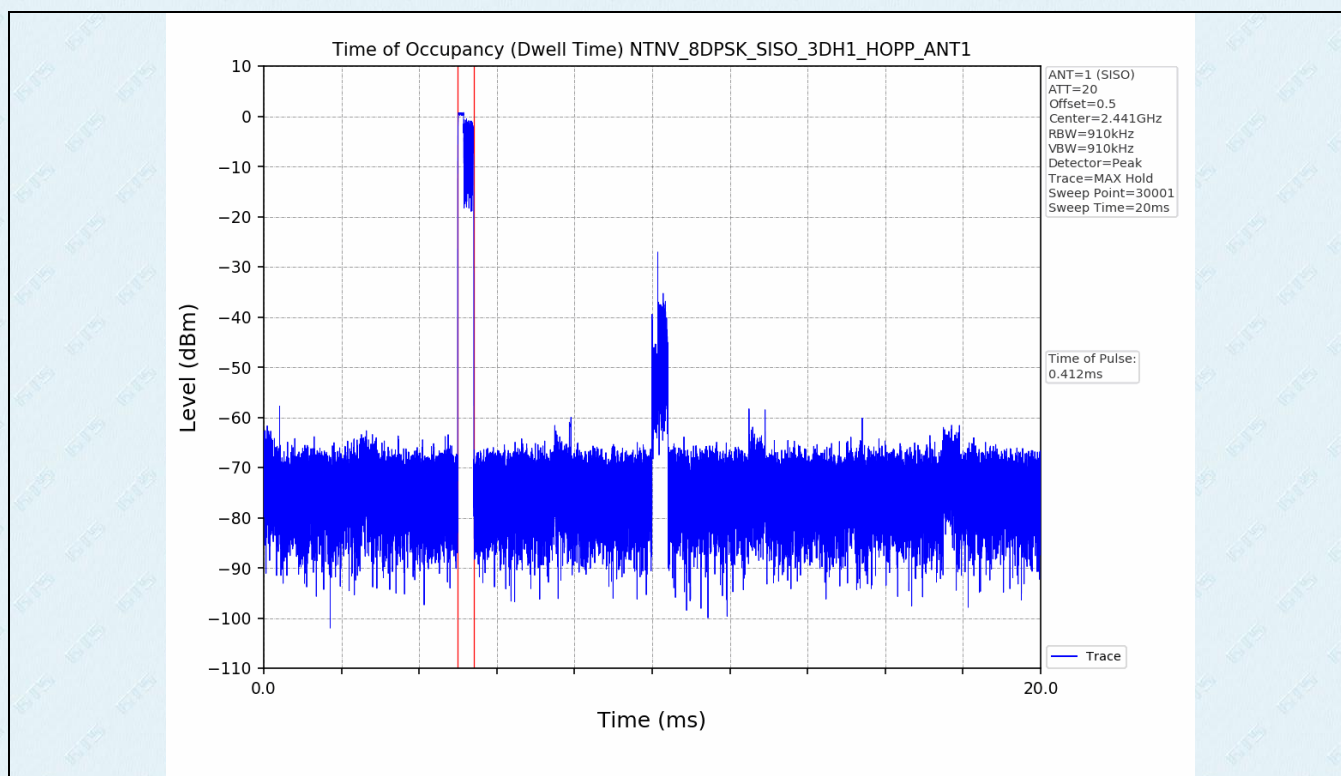
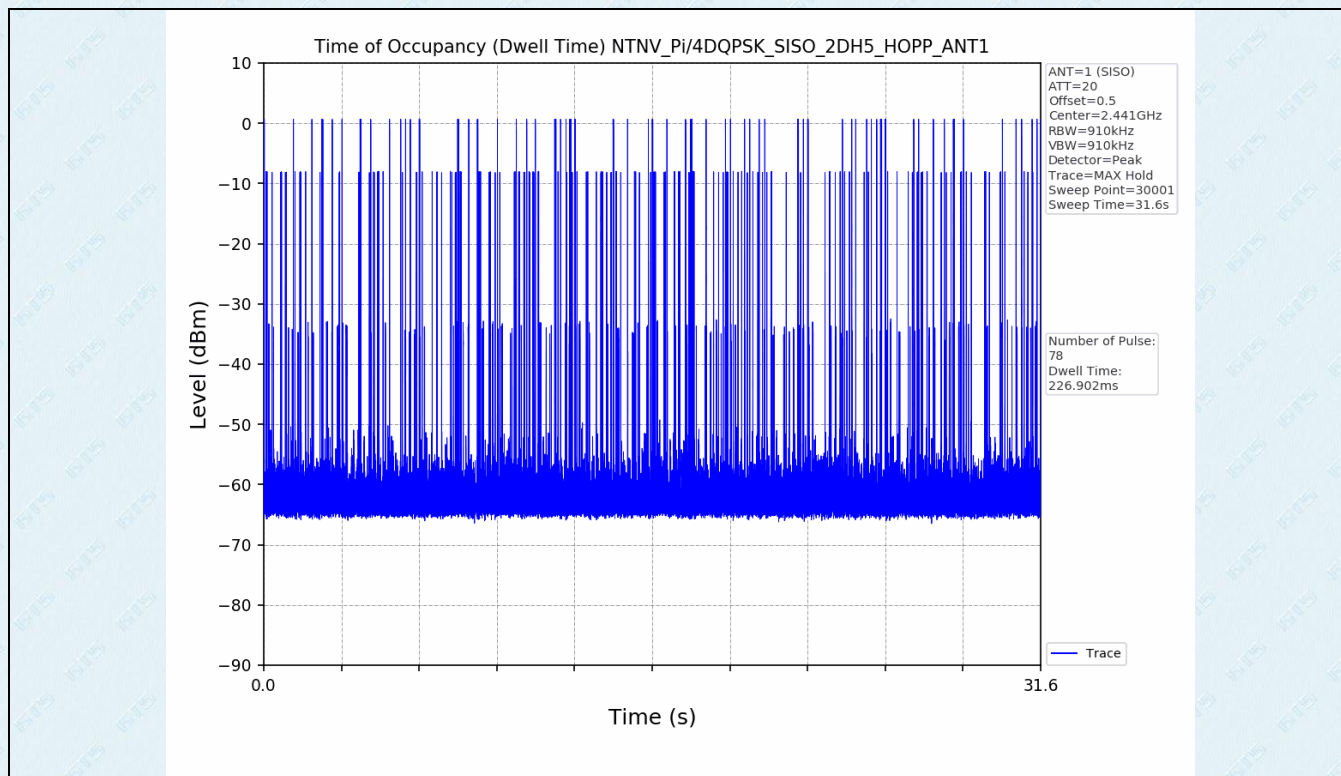


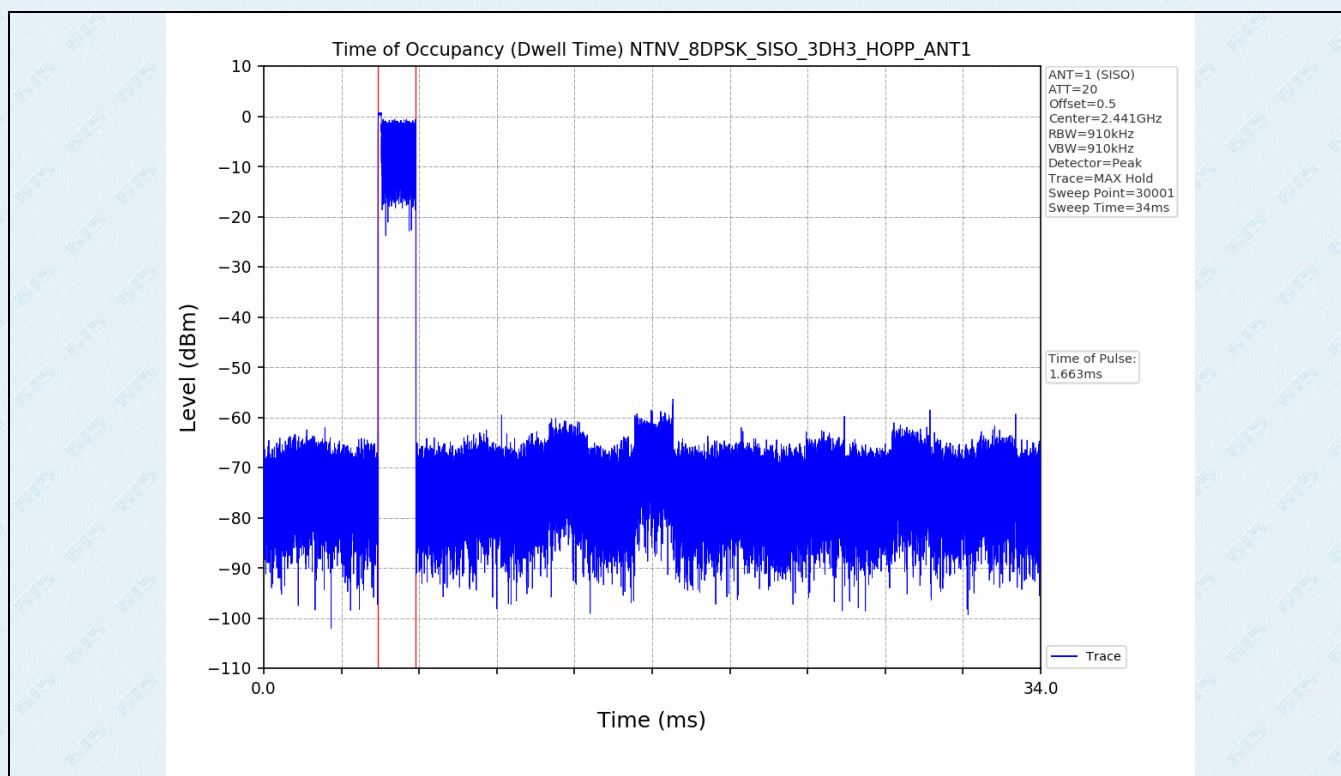
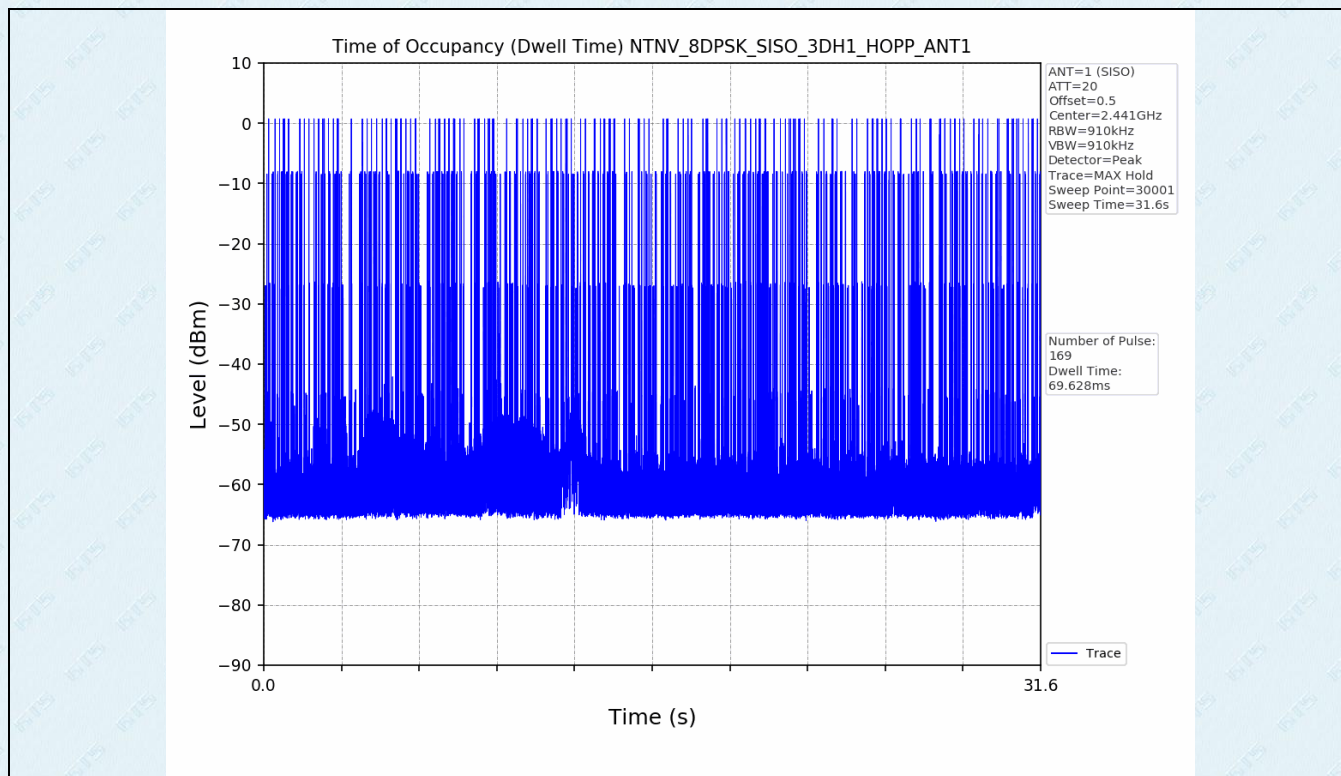


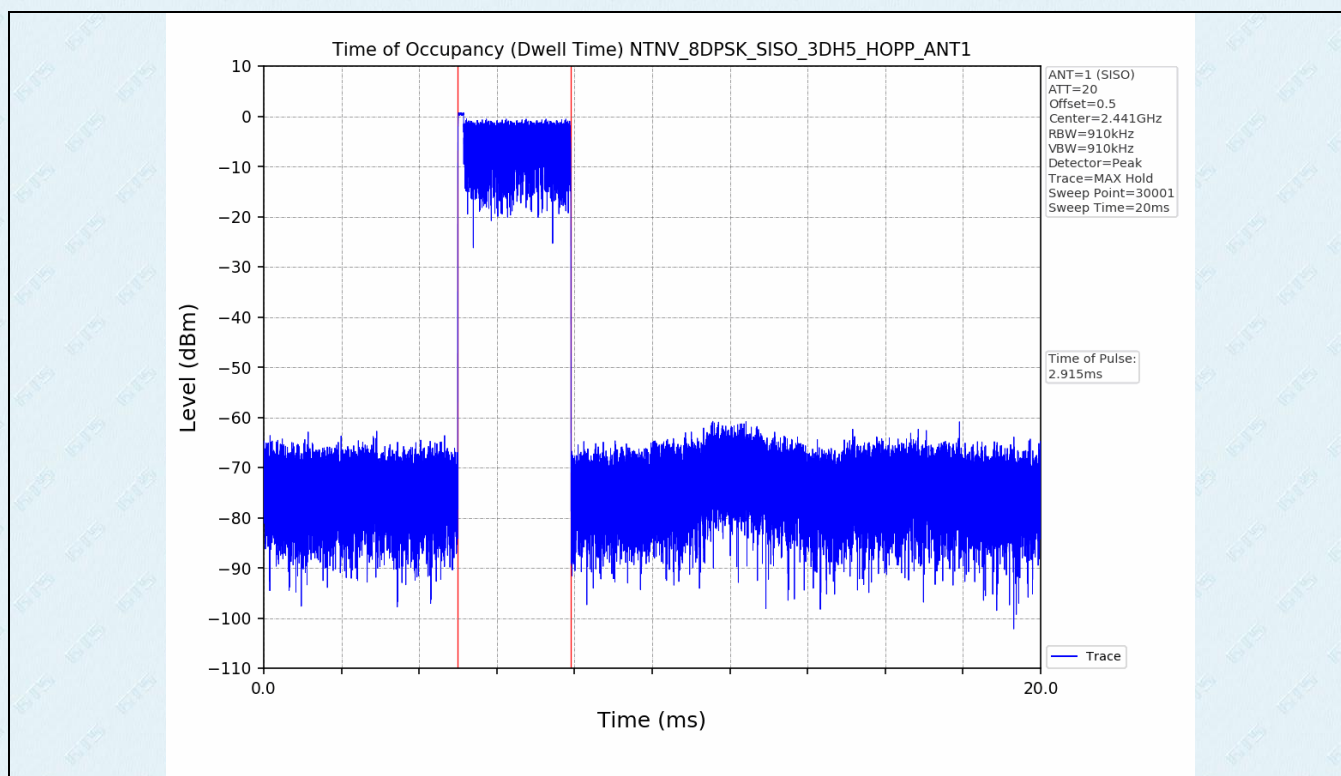
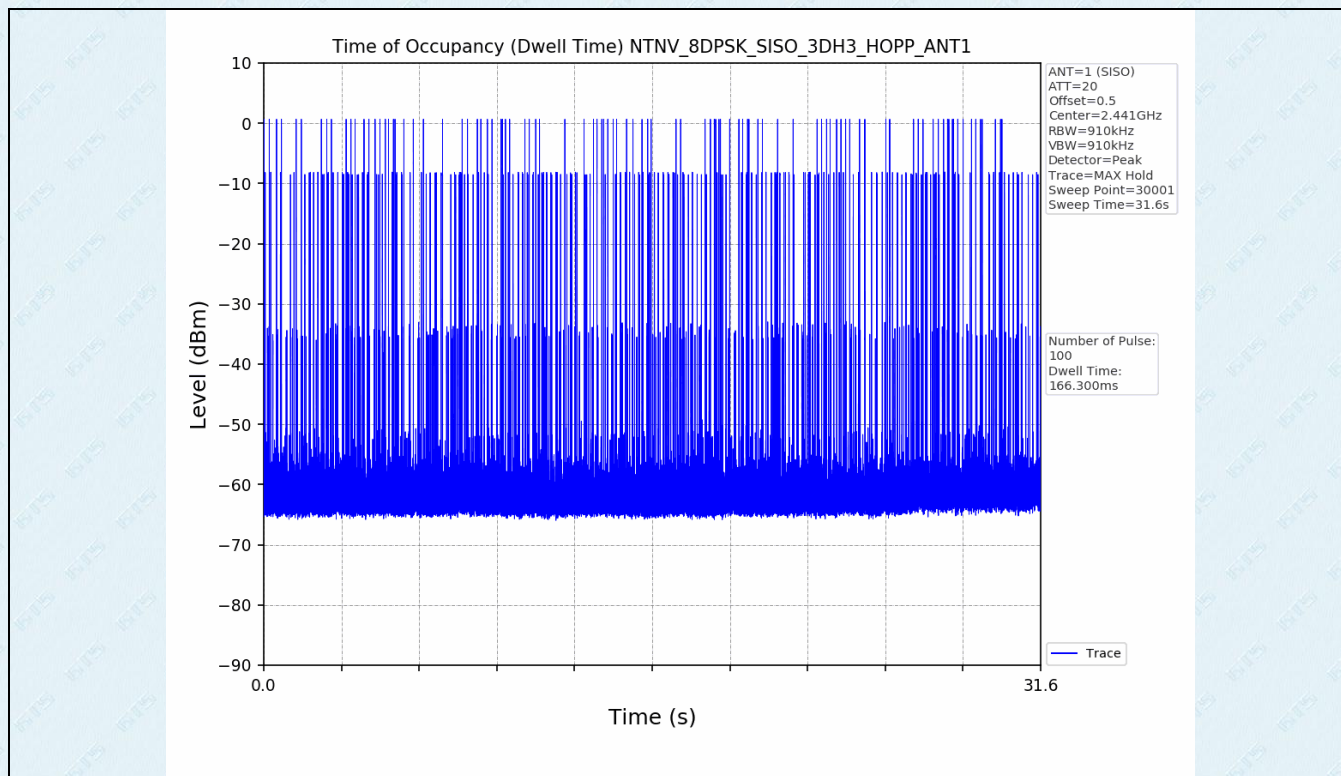


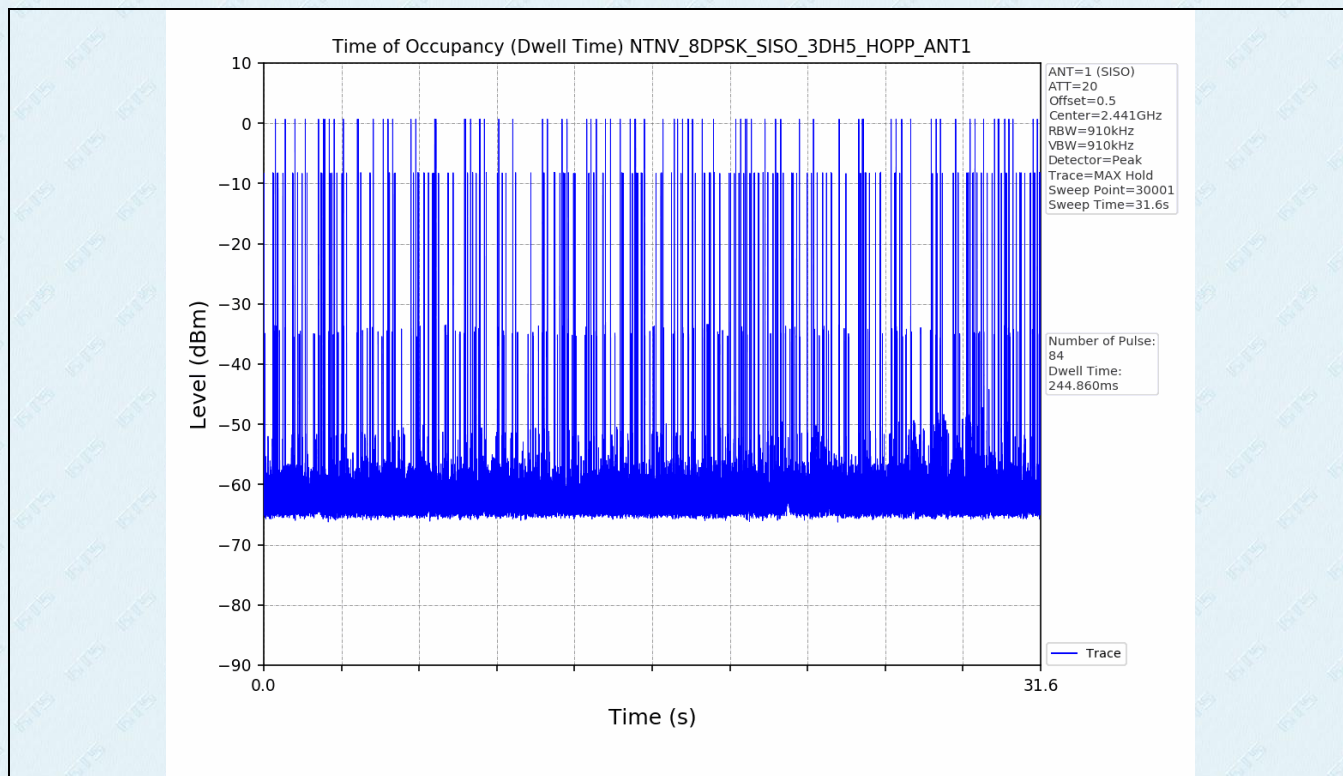










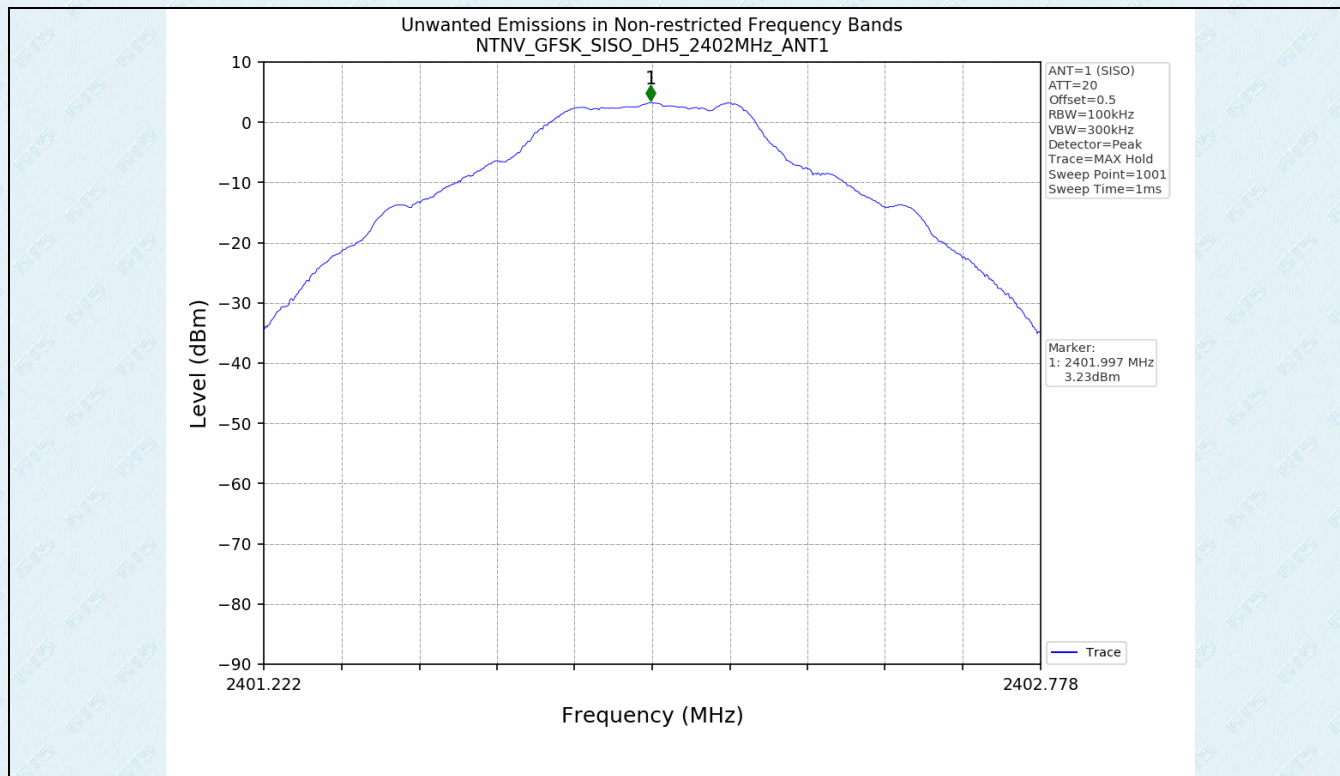


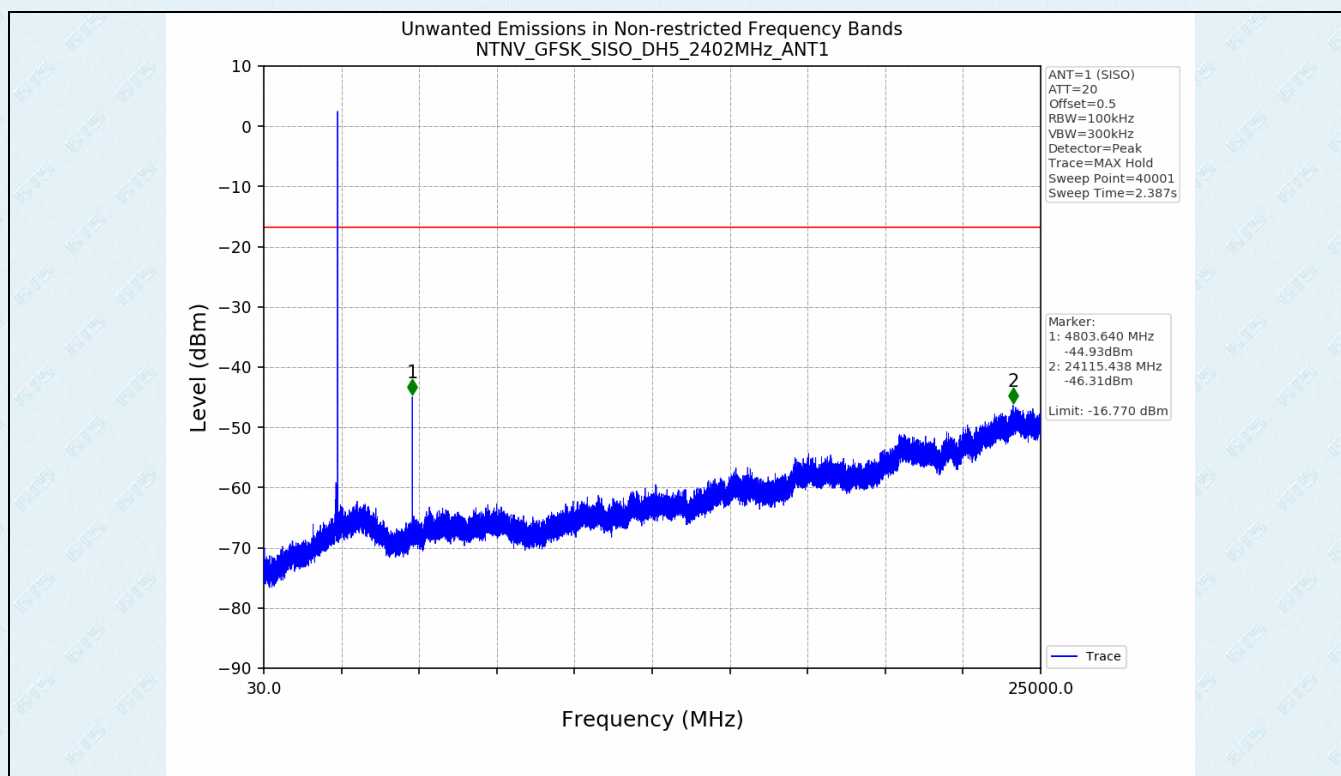
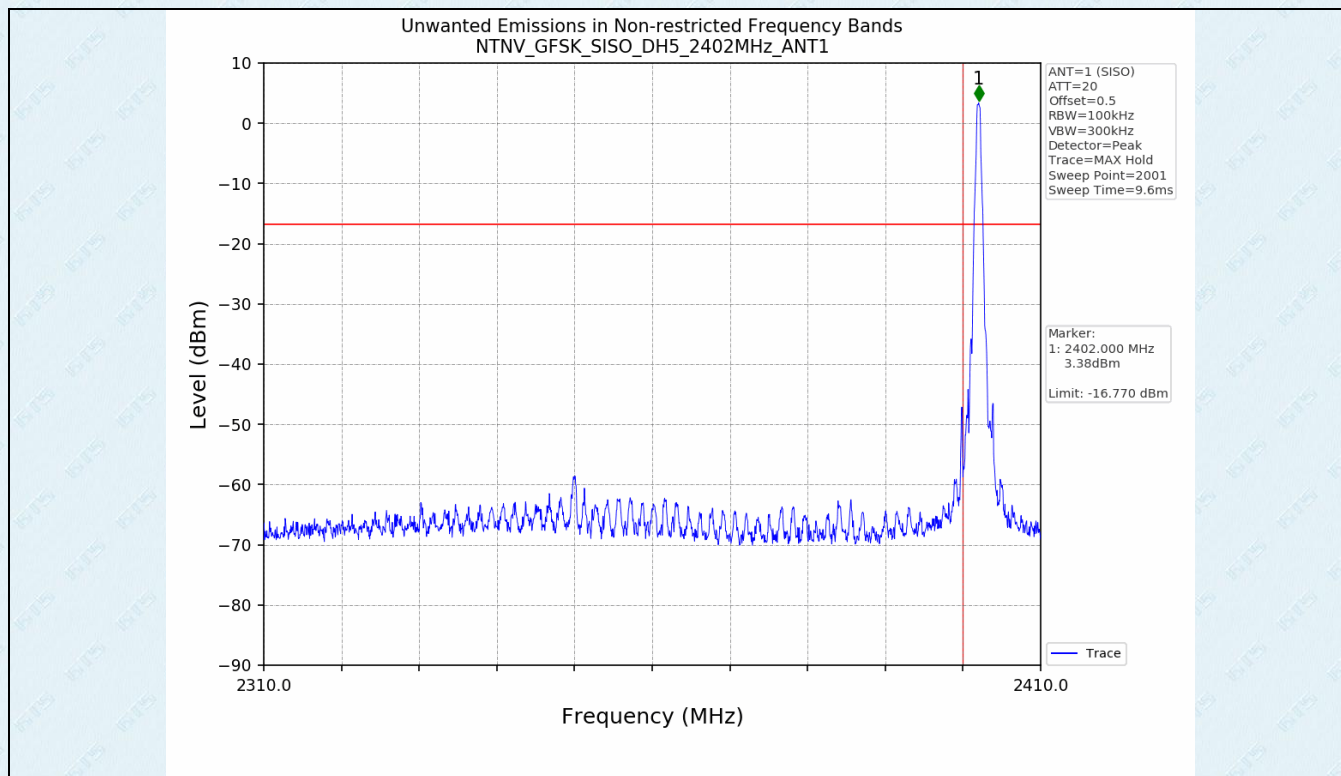
6. Unwanted Emissions in Non-restricted Frequency Bands

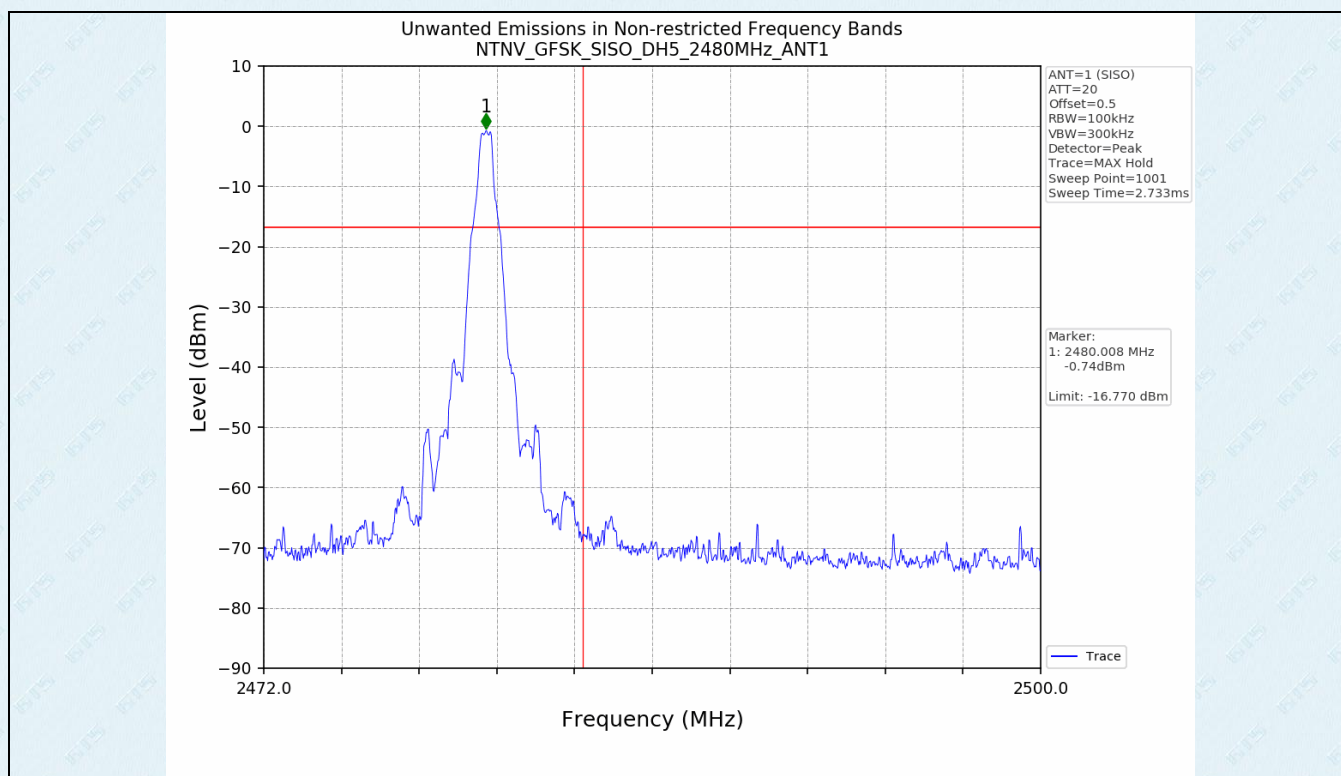
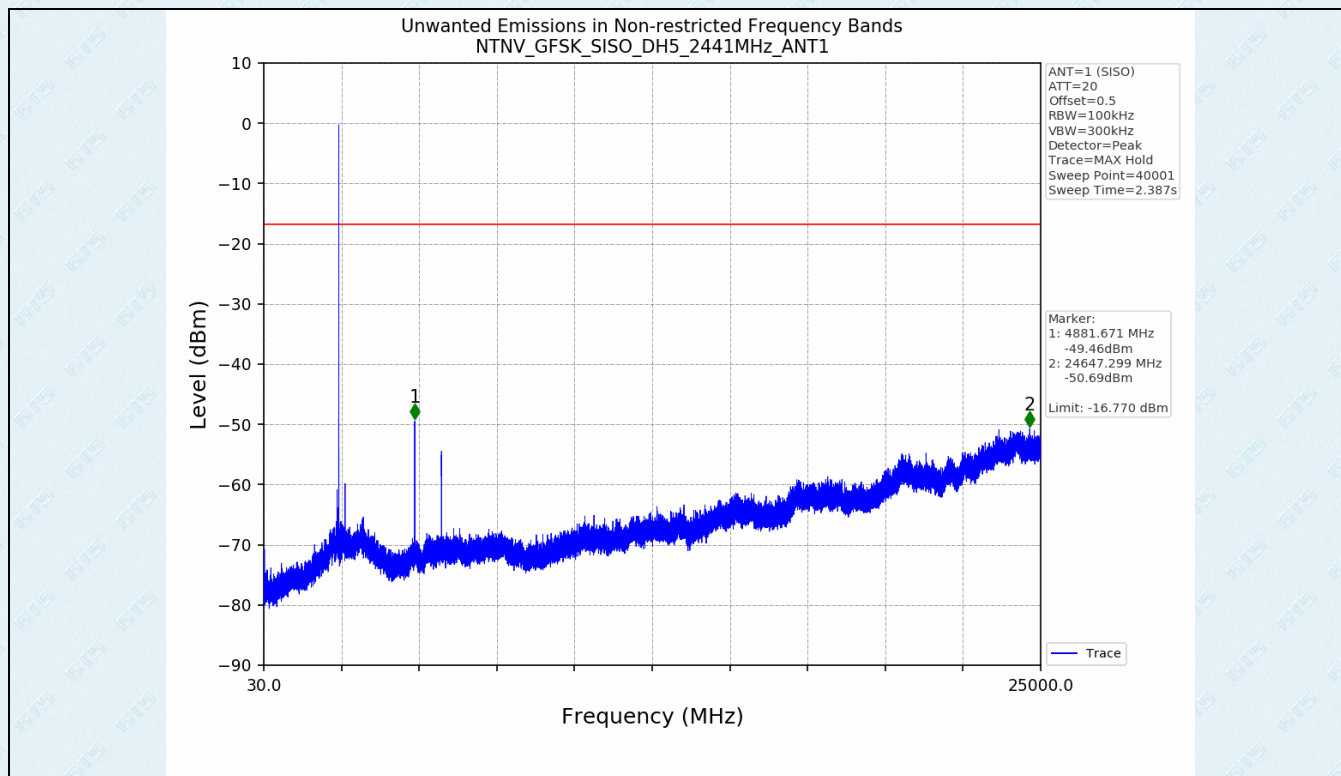
6.1 Test Result

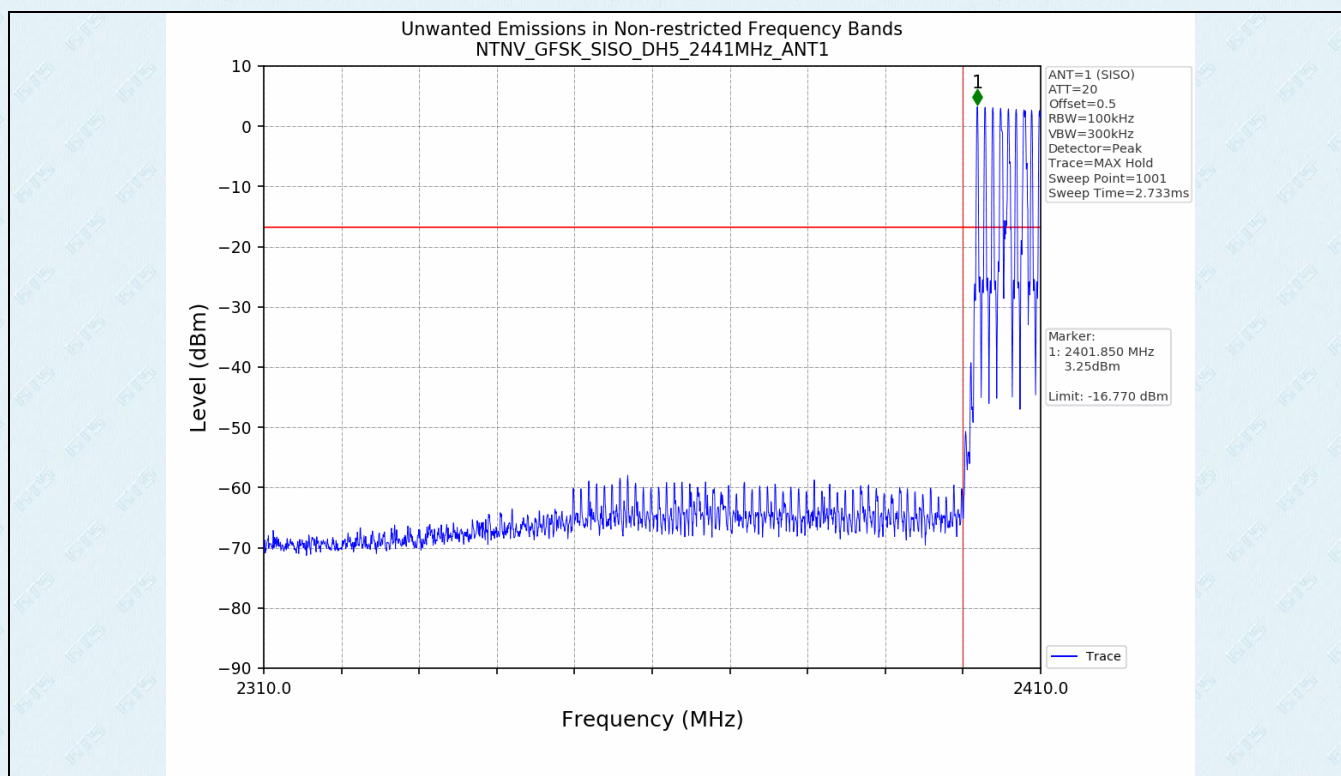
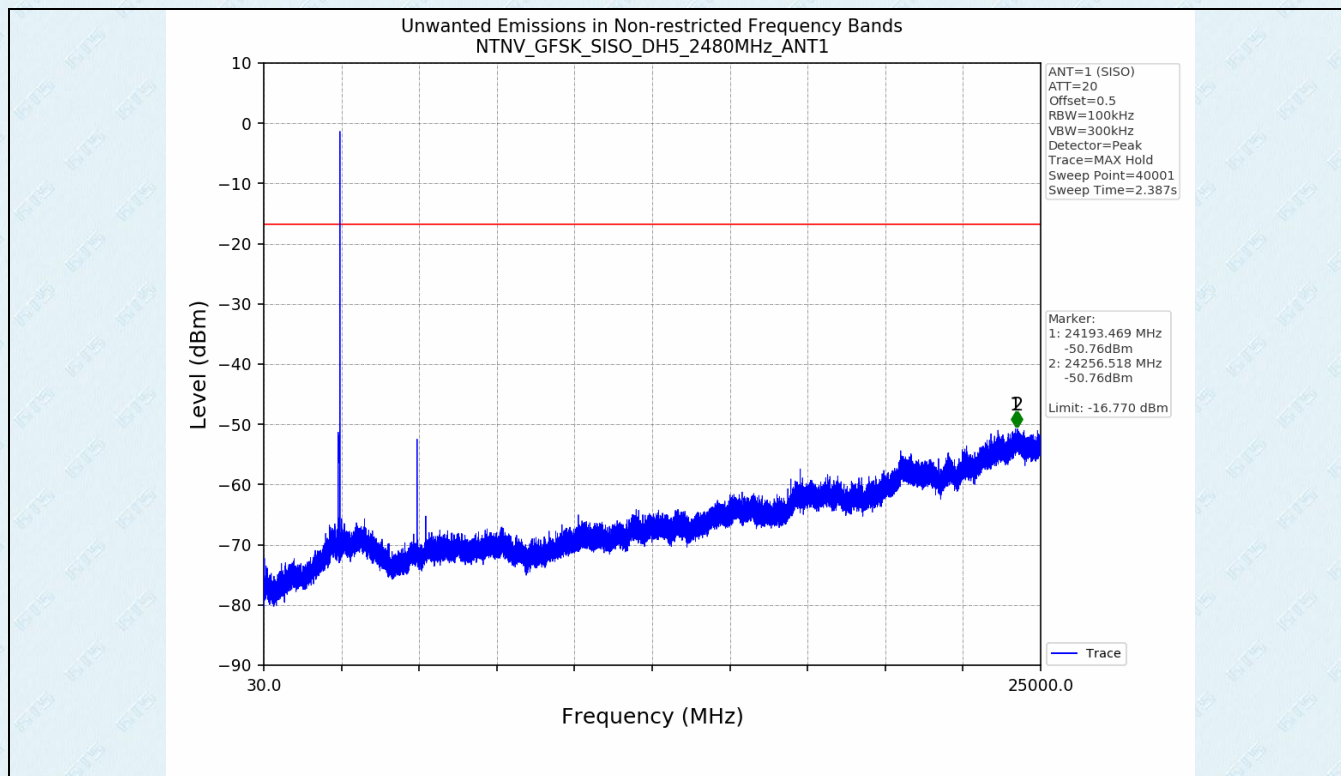
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-16.77	PASS
	2441	SISO	1	Refer to test graph	-16.77	PASS
	2480	SISO	1	Refer to test graph	-16.77	PASS
	Hopping	SISO	1	Refer to test graph	-16.77	PASS
$\pi/4$ -DQPSK	2402	SISO	1	Refer to test graph	-16.74	PASS
	2441	SISO	1	Refer to test graph	-16.74	PASS
	2480	SISO	1	Refer to test graph	-16.74	PASS
	Hopping	SISO	1	Refer to test graph	-16.74	PASS
8-DPSK	2402	SISO	1	Refer to test graph	-16.77	PASS
	2441	SISO	1	Refer to test graph	-16.77	PASS
	2480	SISO	1	Refer to test graph	-16.77	PASS
	Hopping	SISO	1	Refer to test graph	-16.77	PASS

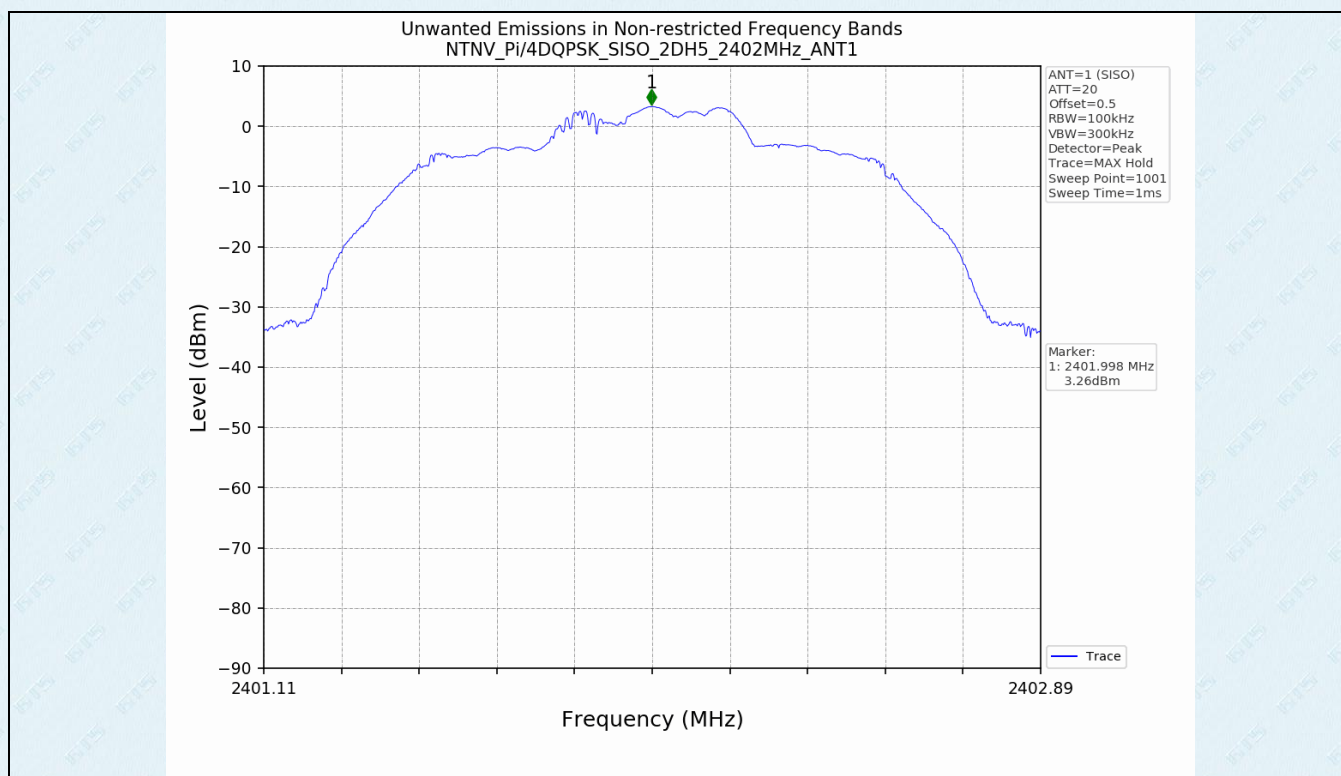
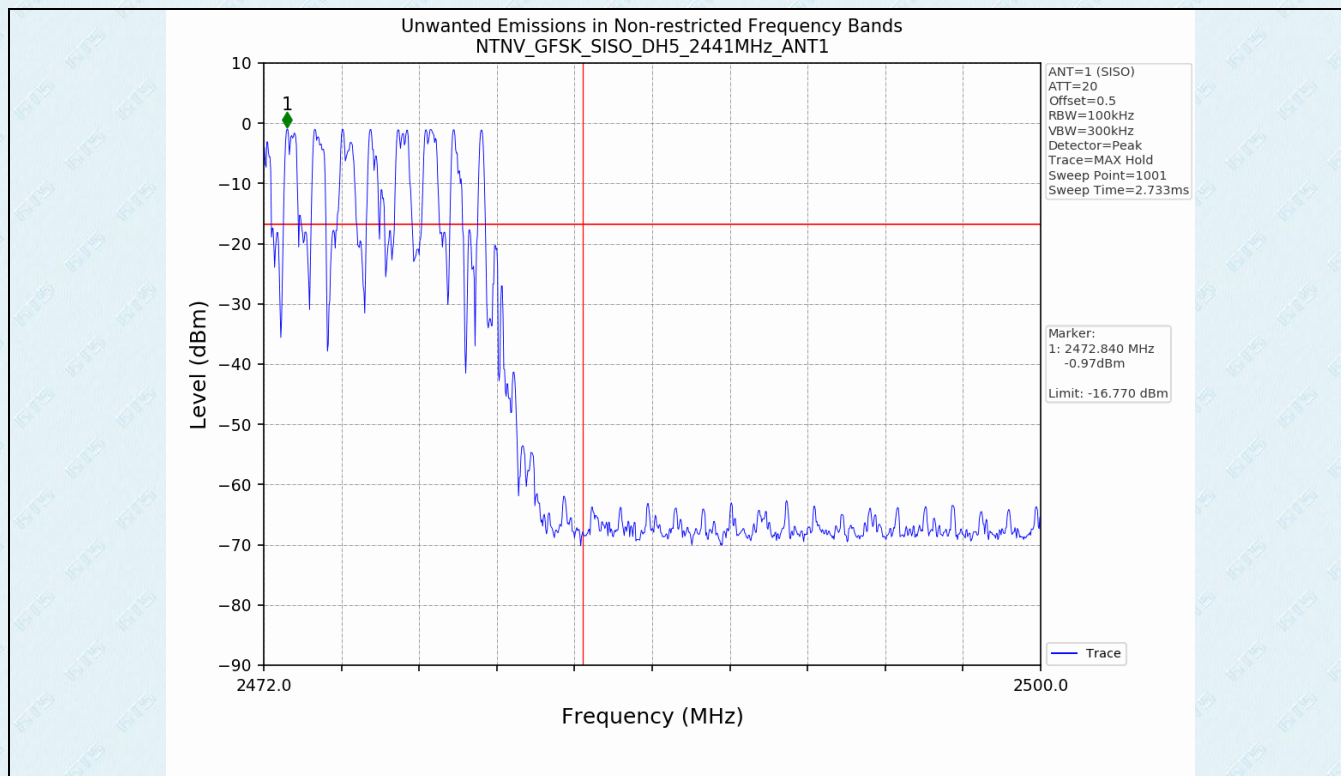
6.2 Test Graph

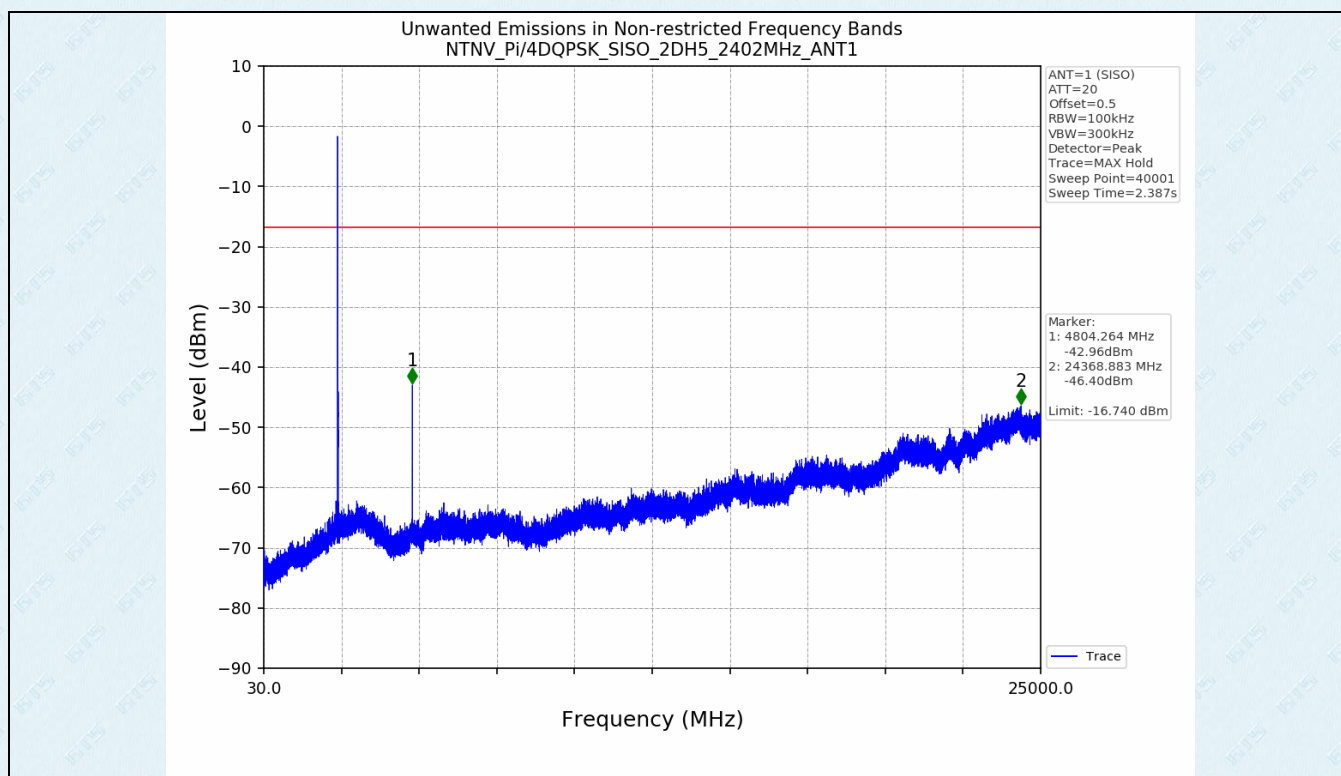
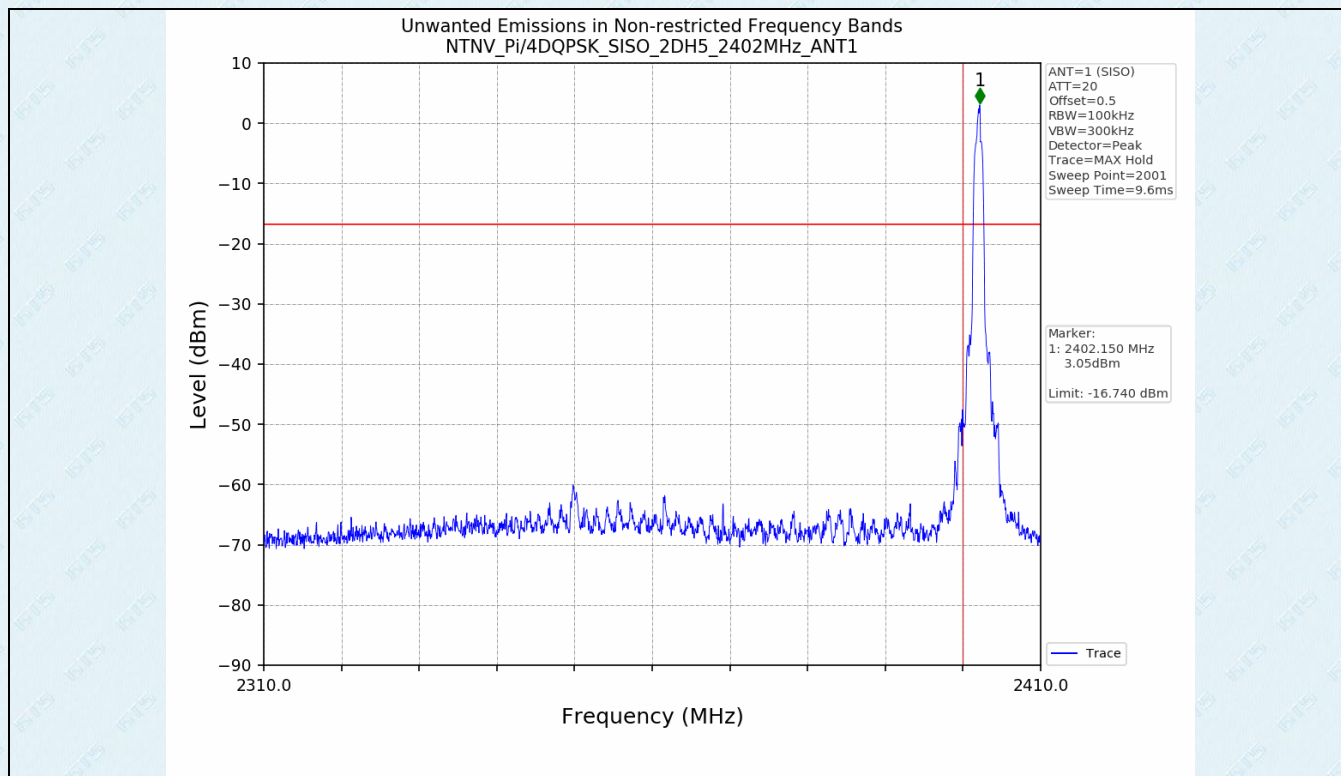


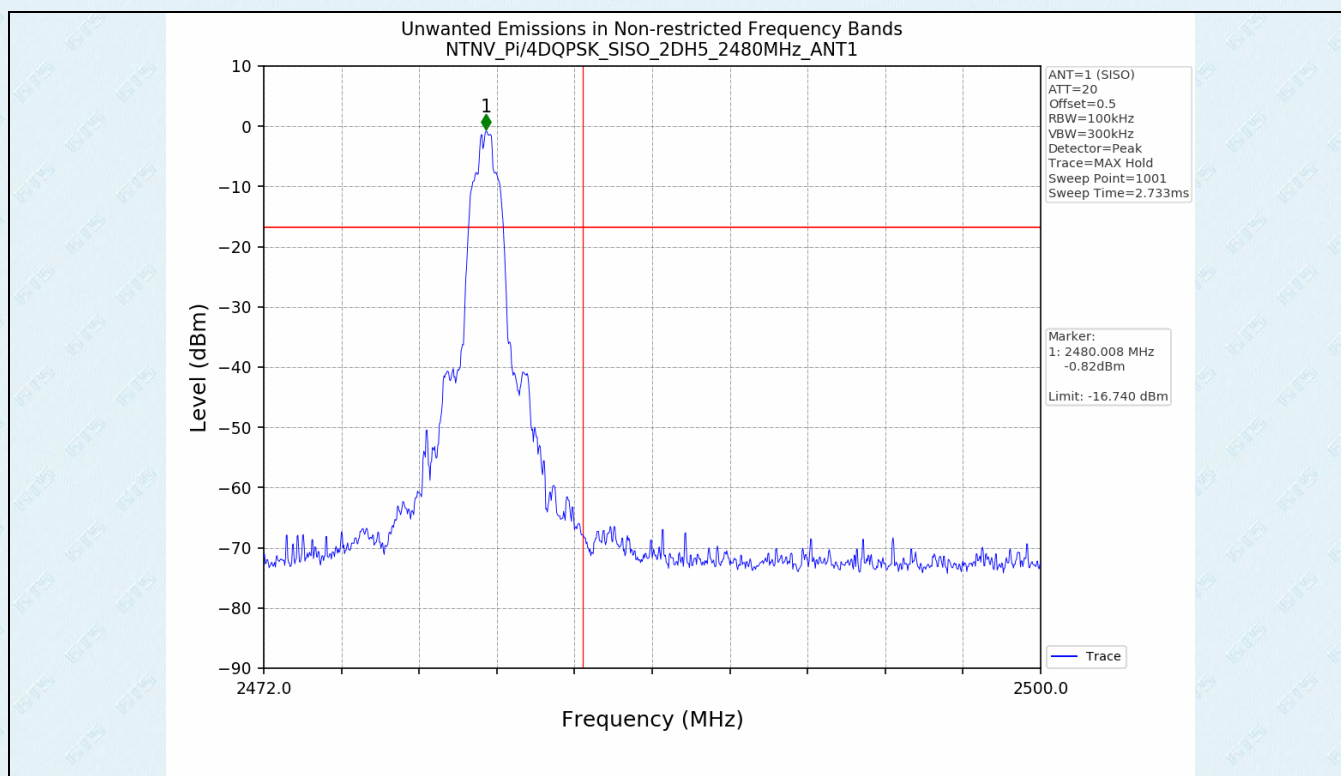
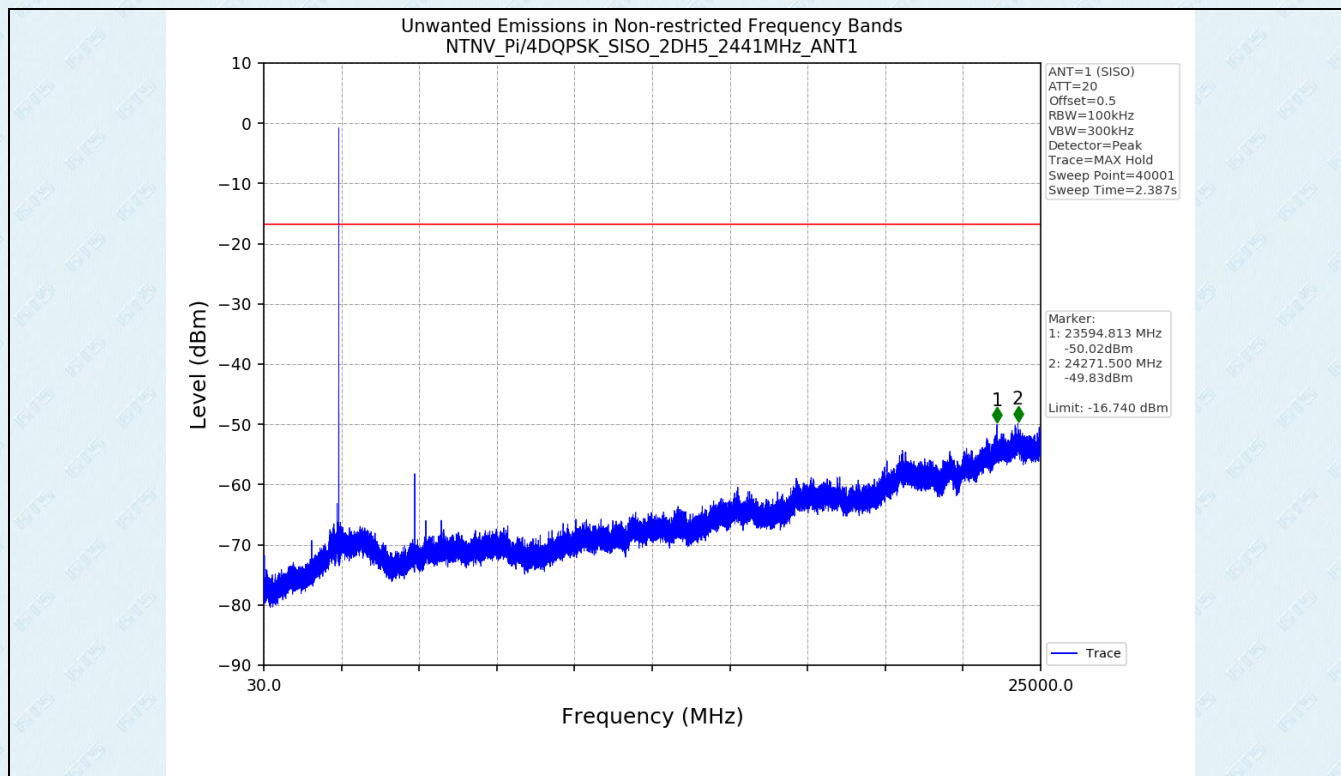


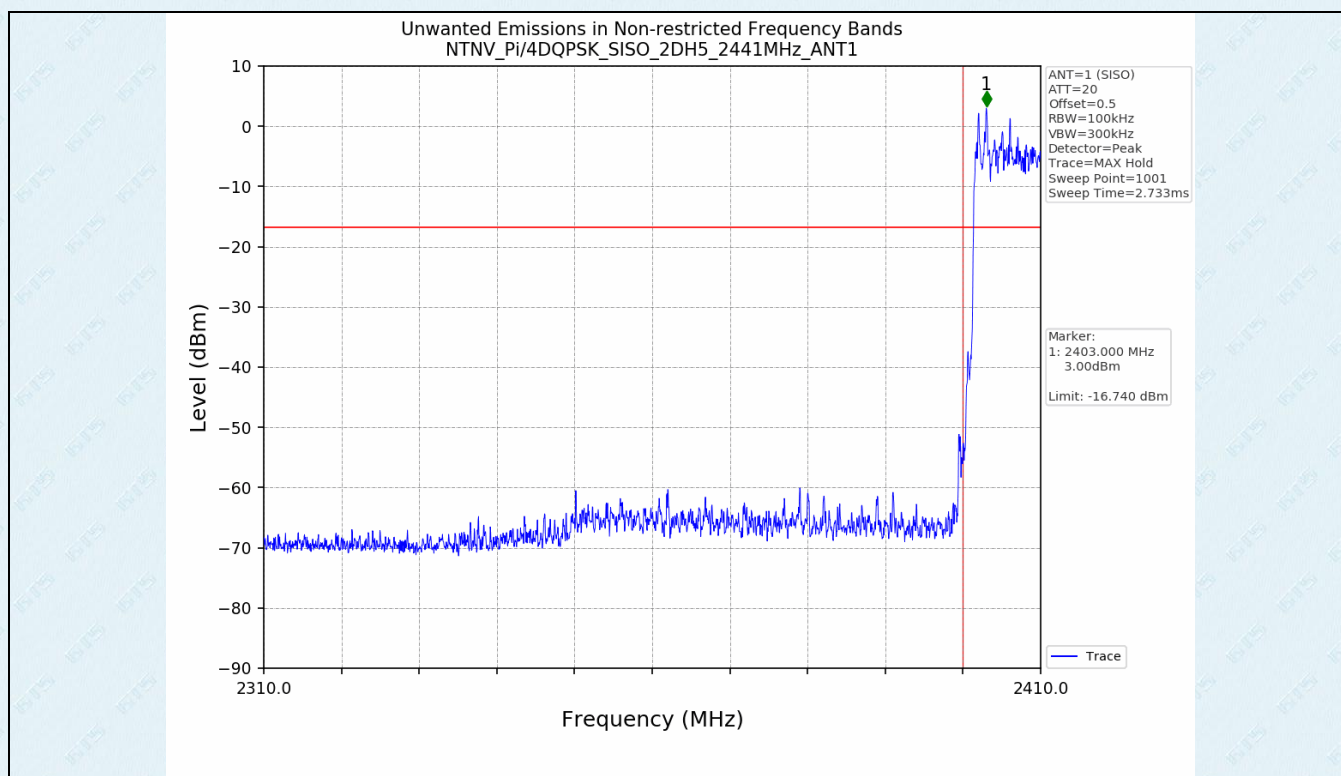
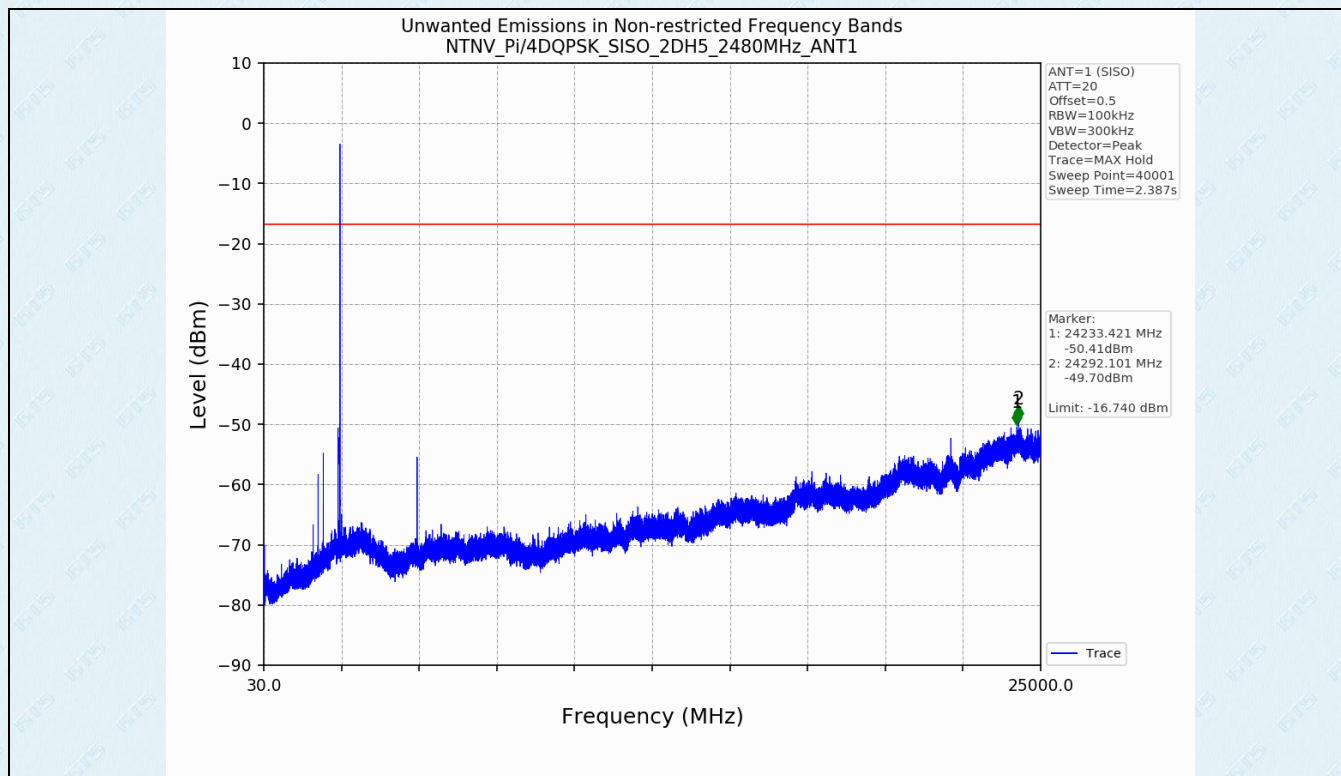


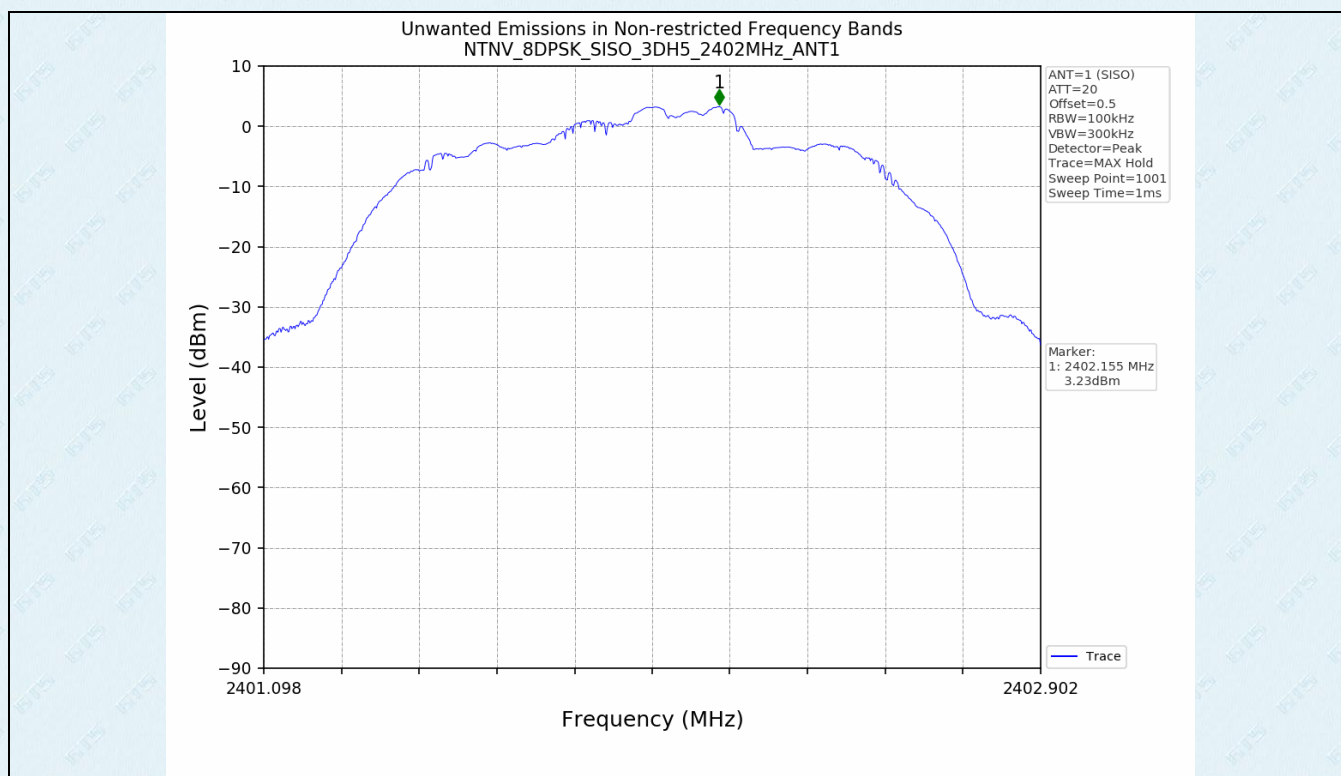
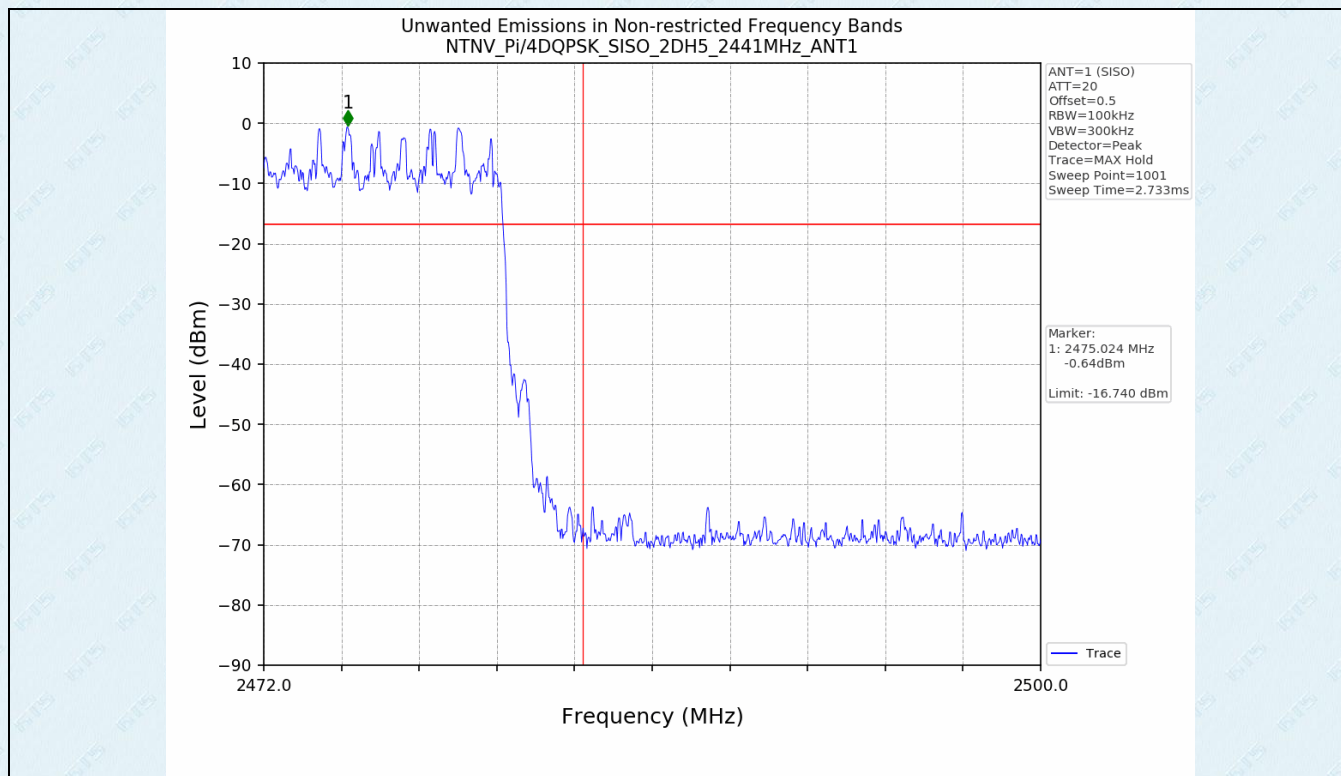


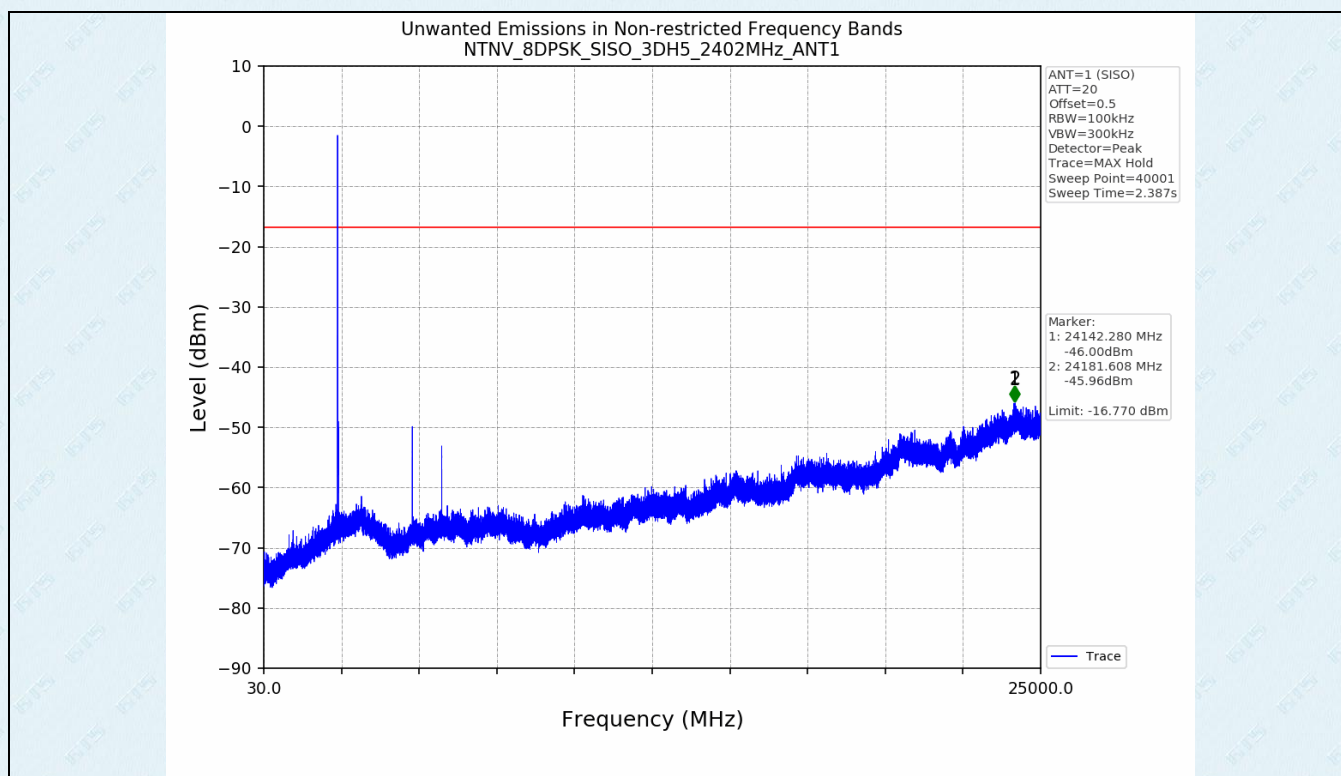
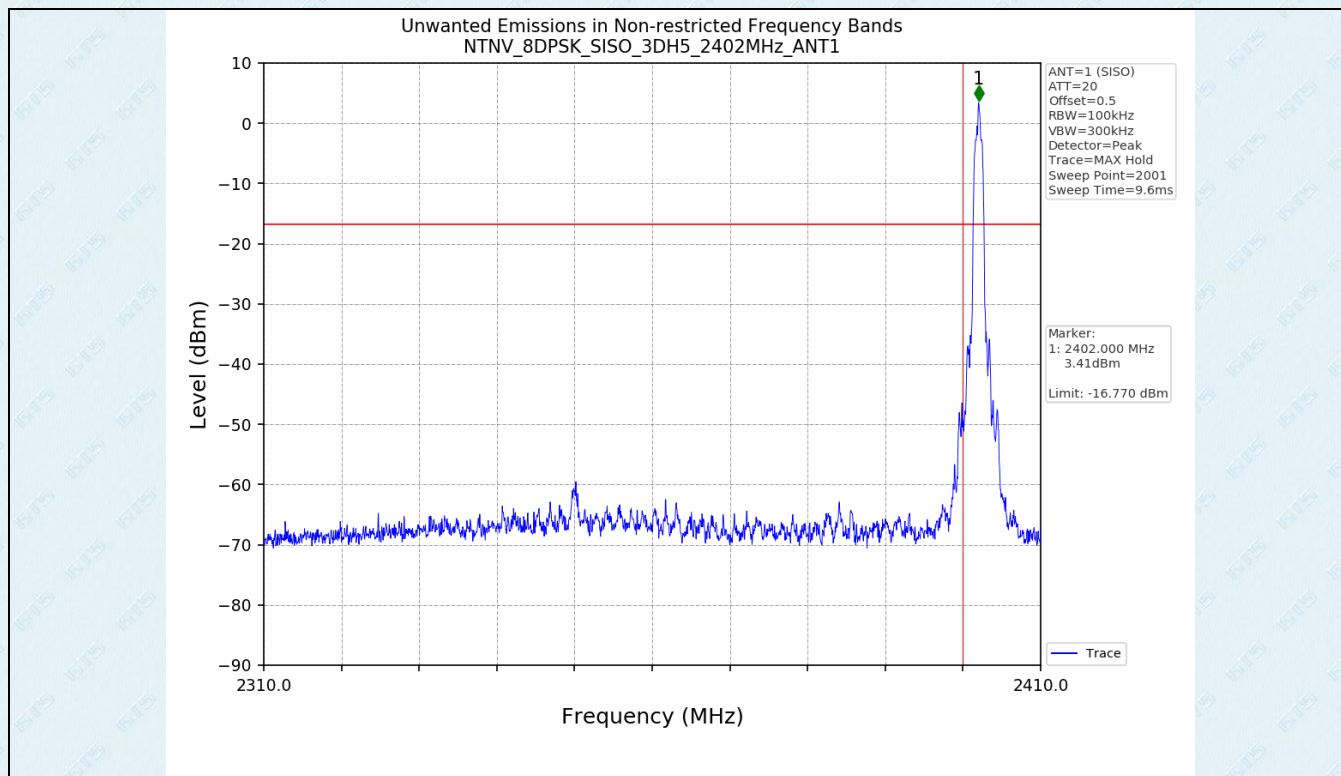


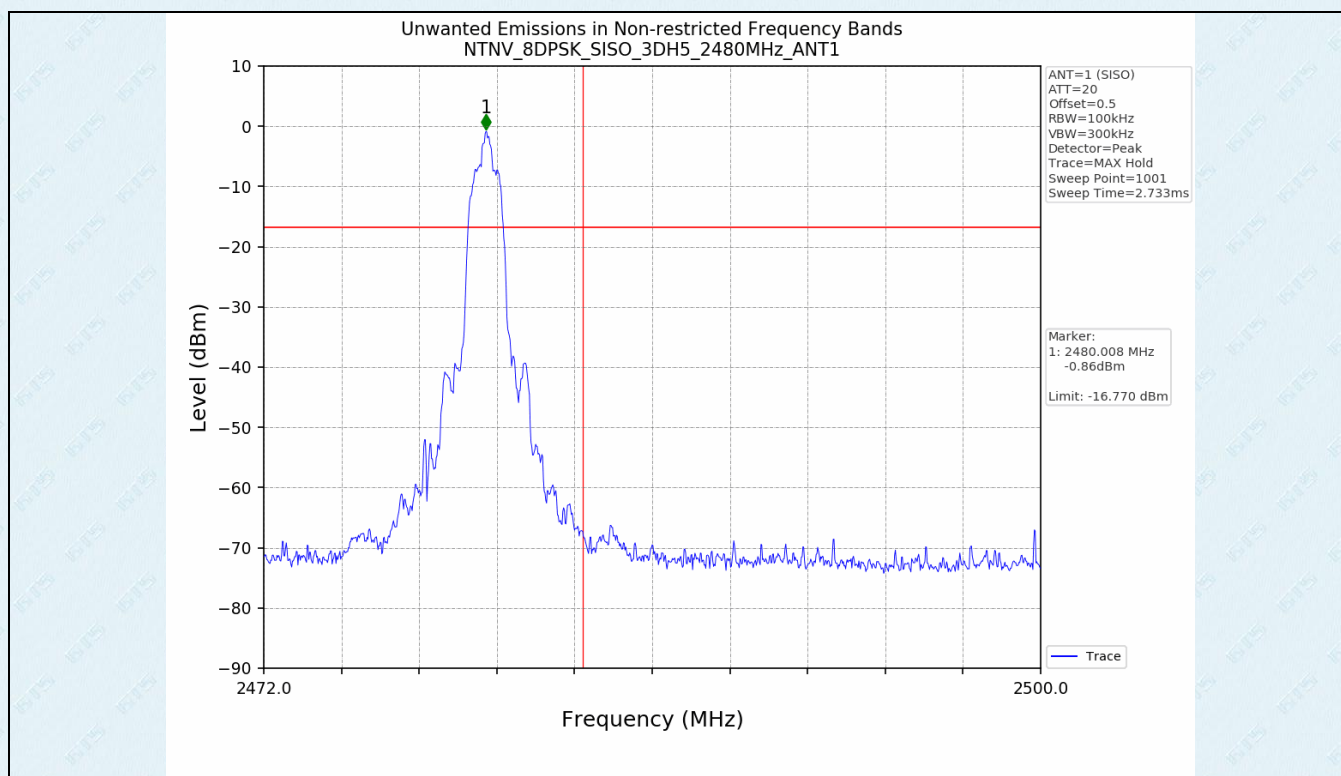
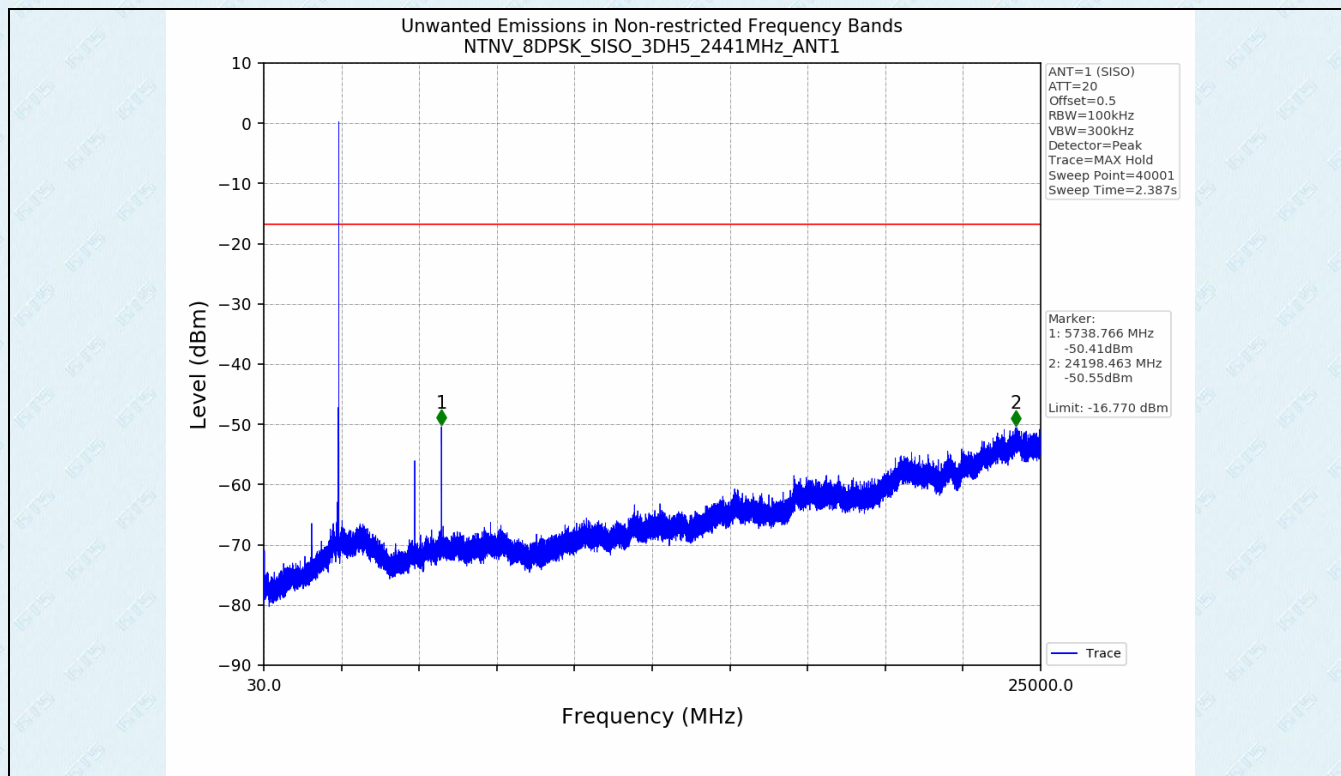


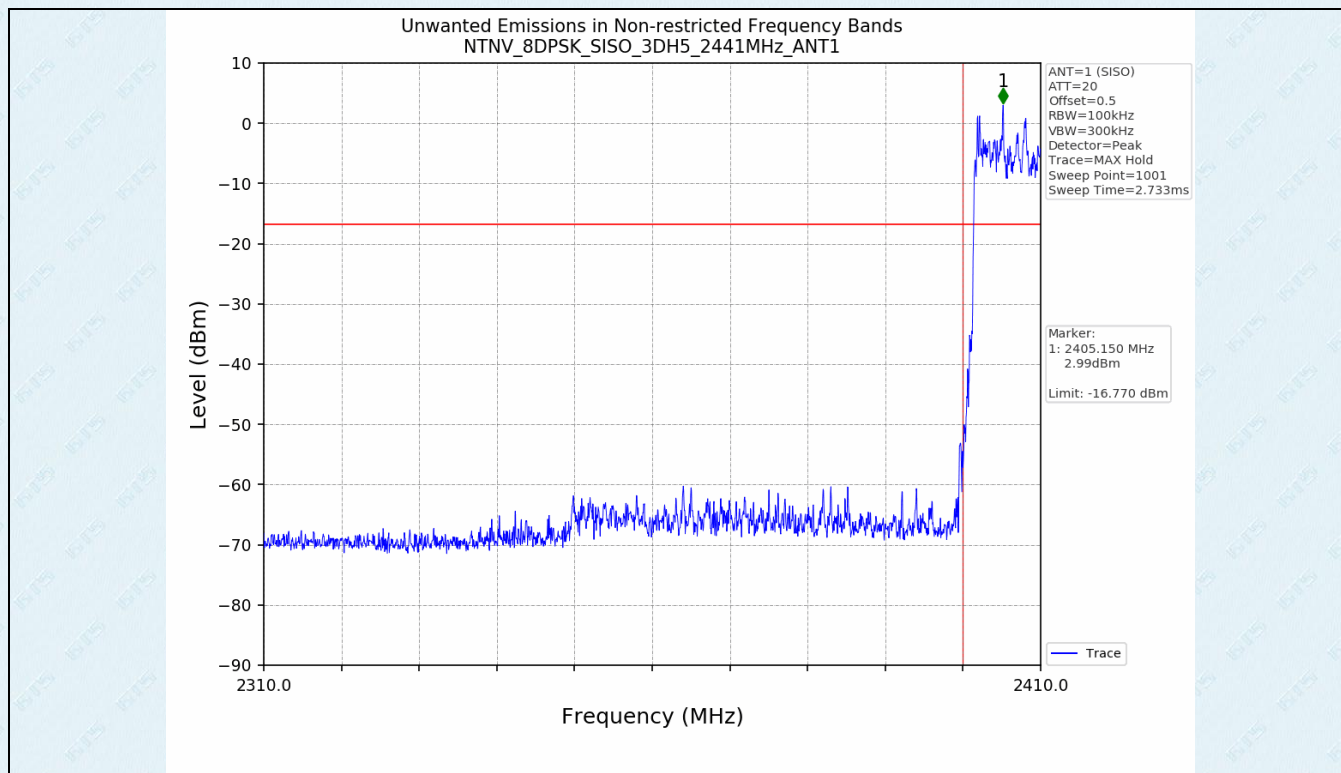
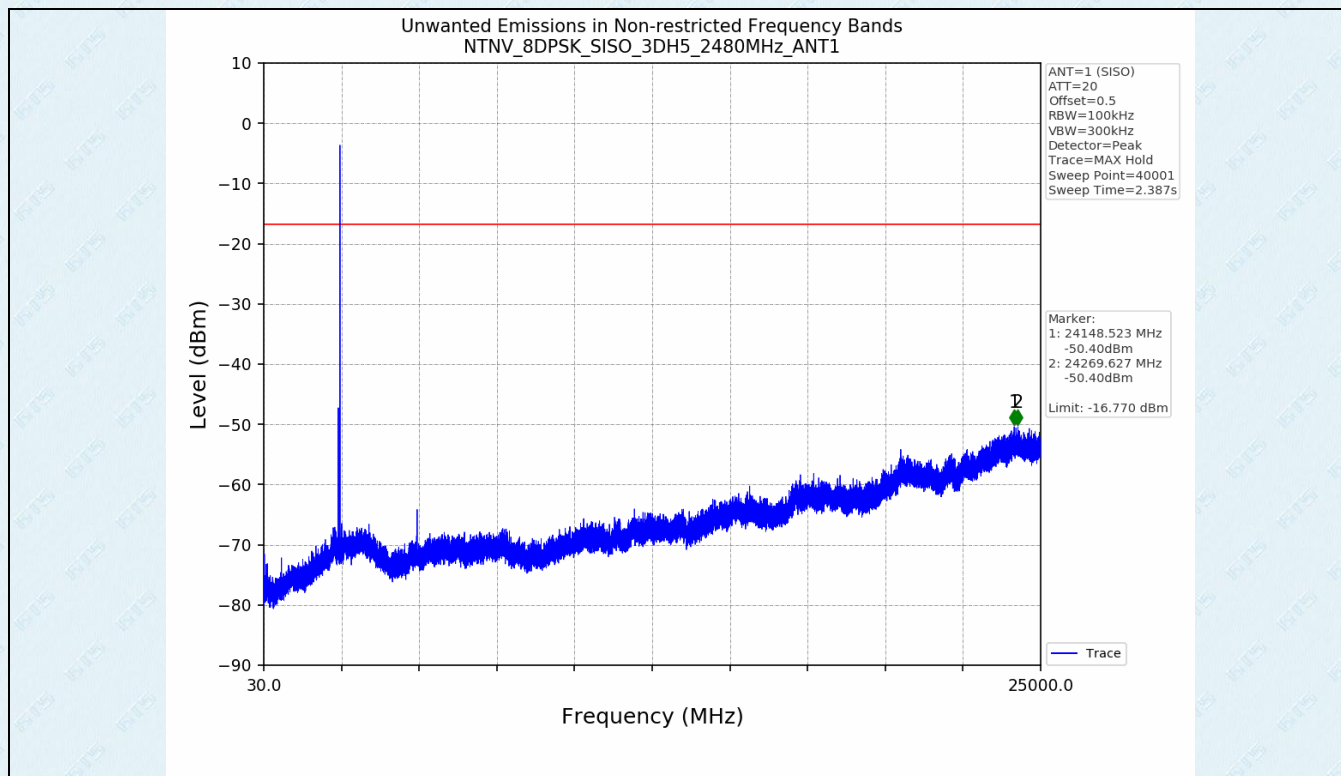


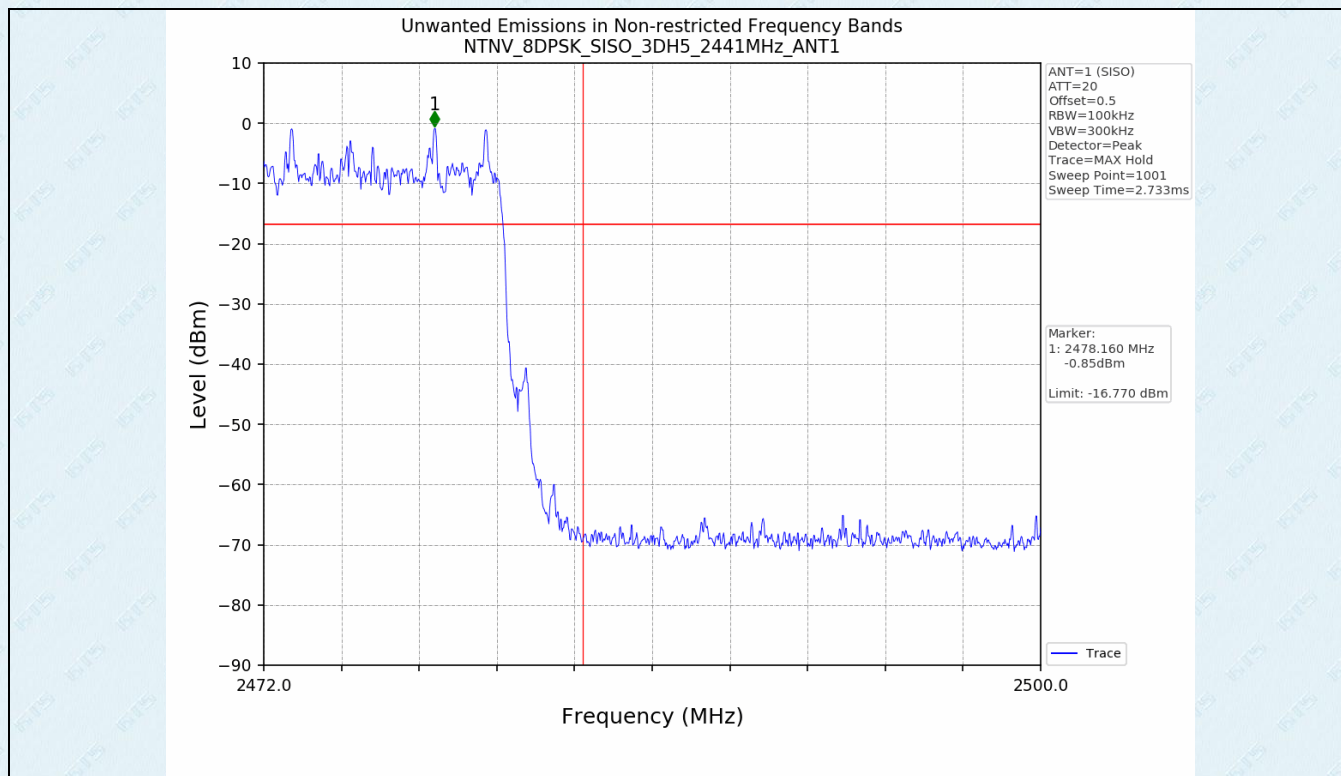












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