

Appendix for 15.247

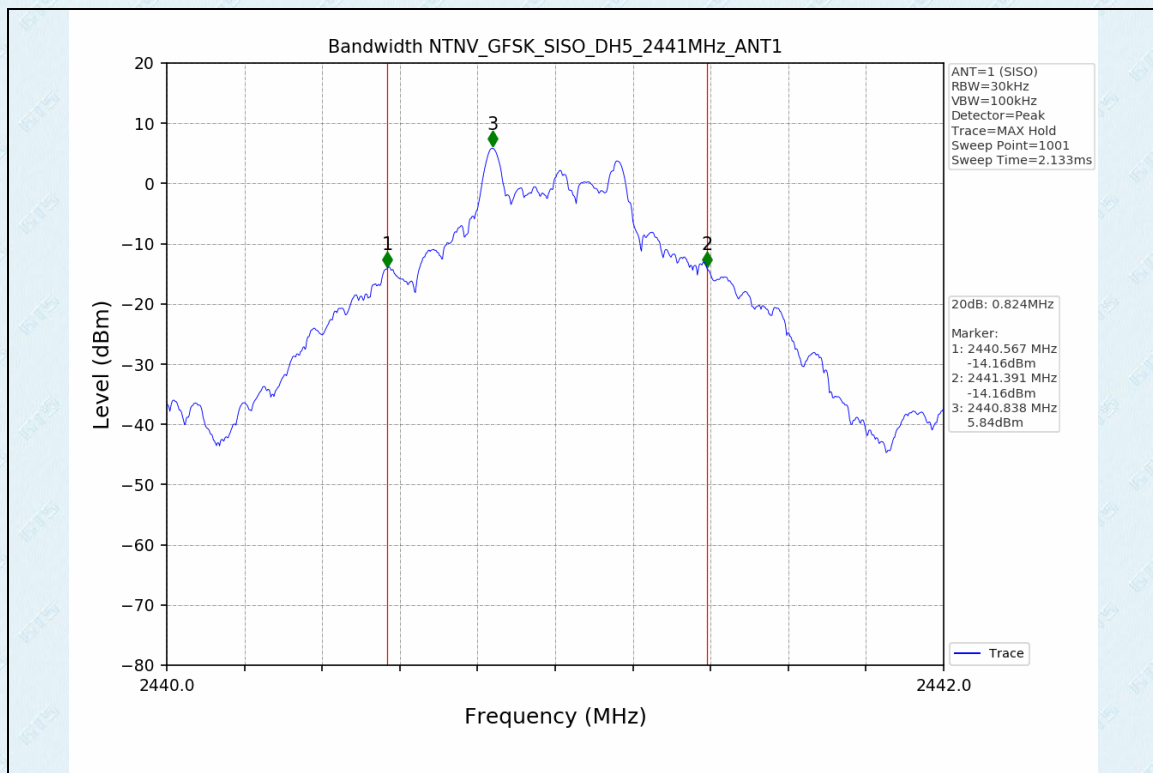
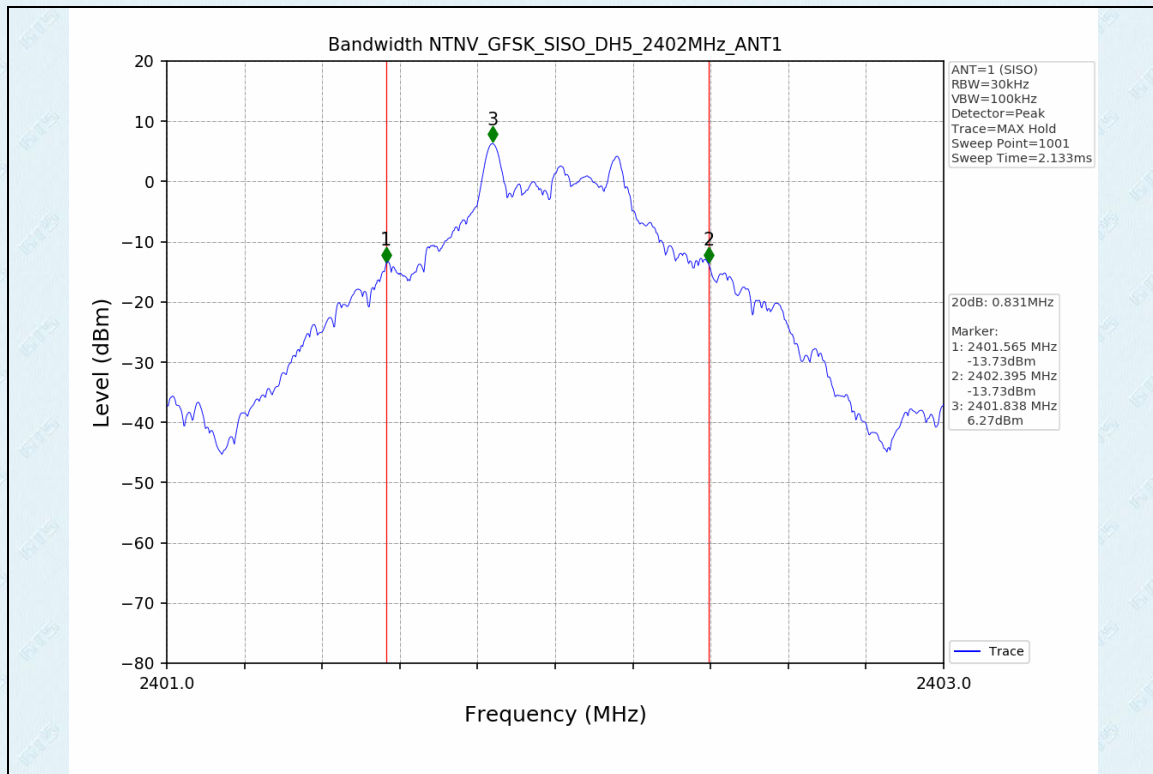
1. Bandwidth

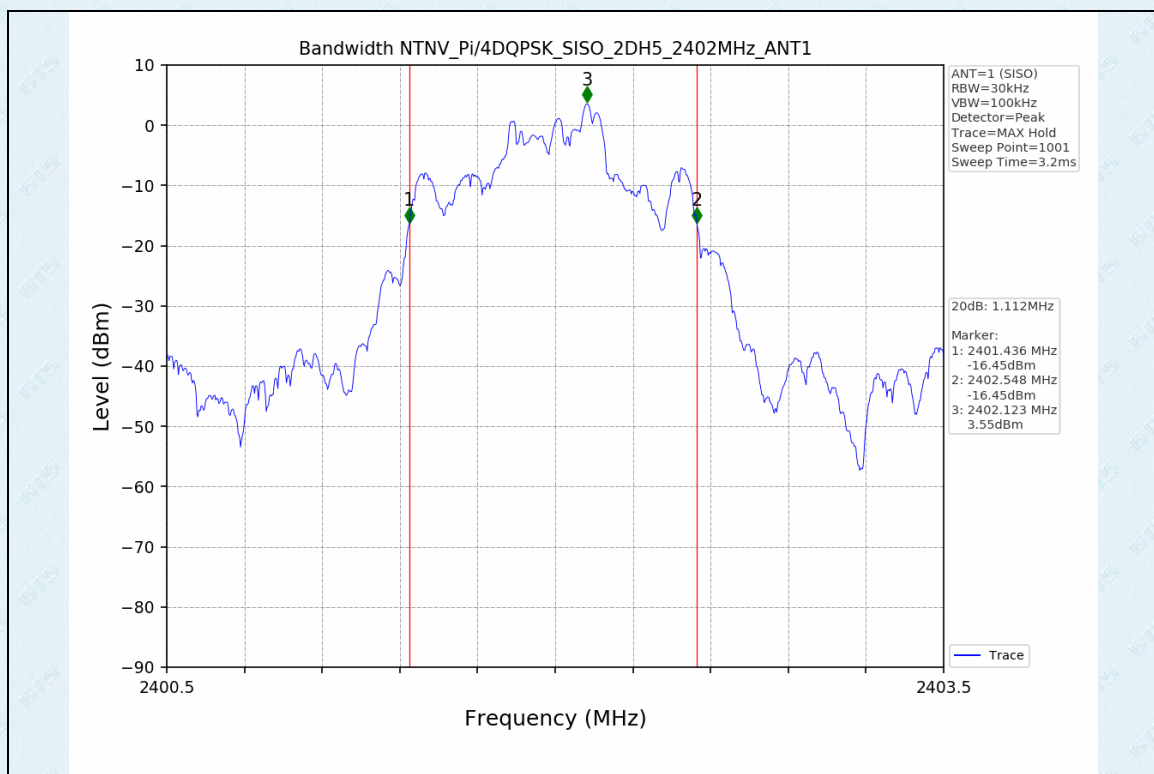
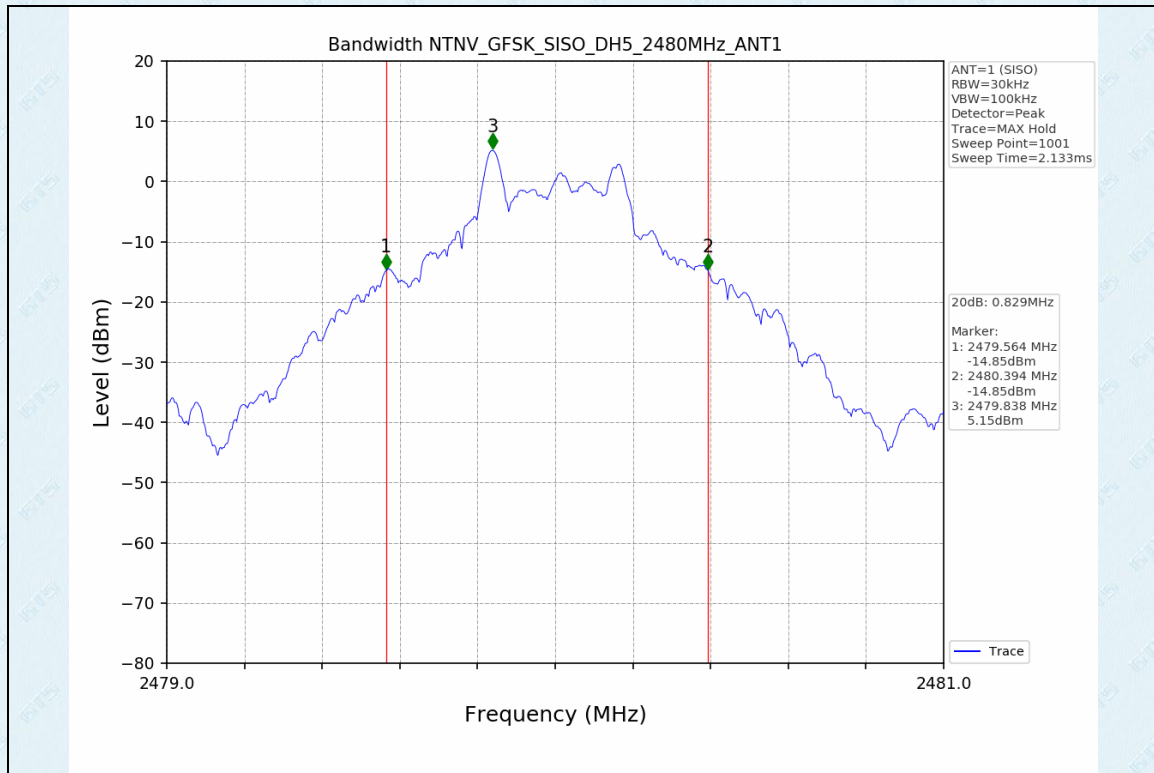
1.1 Test Result

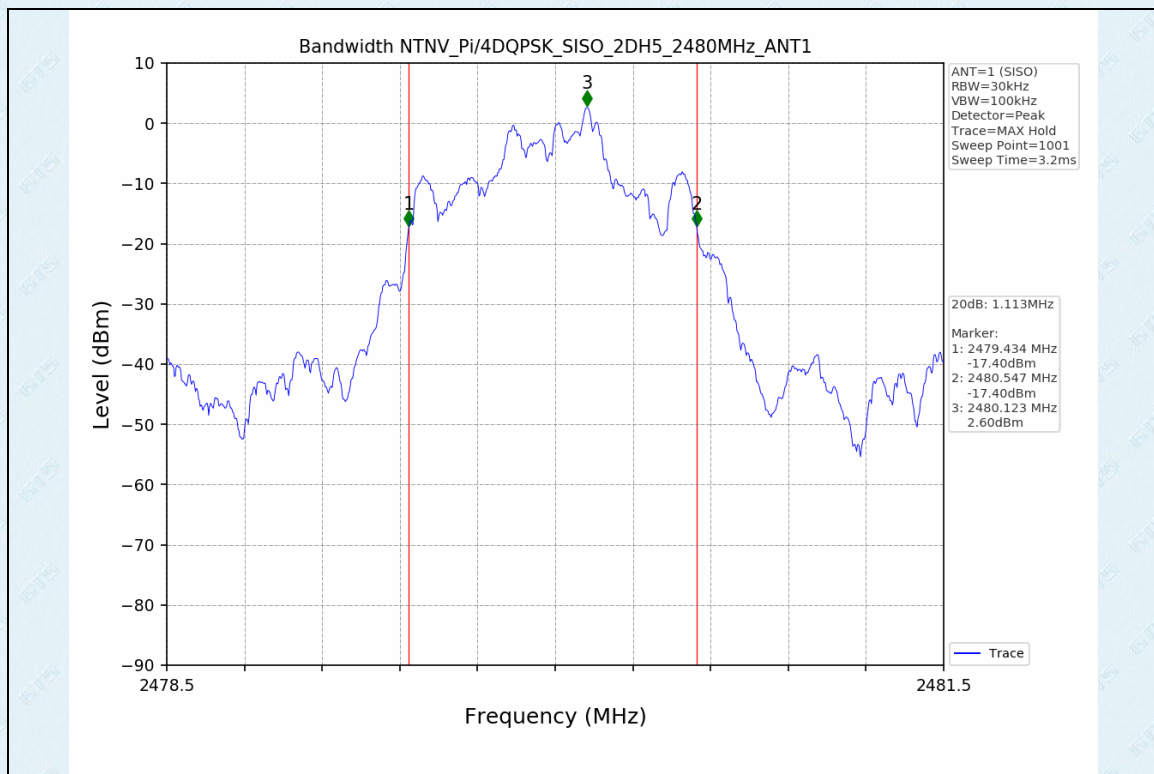
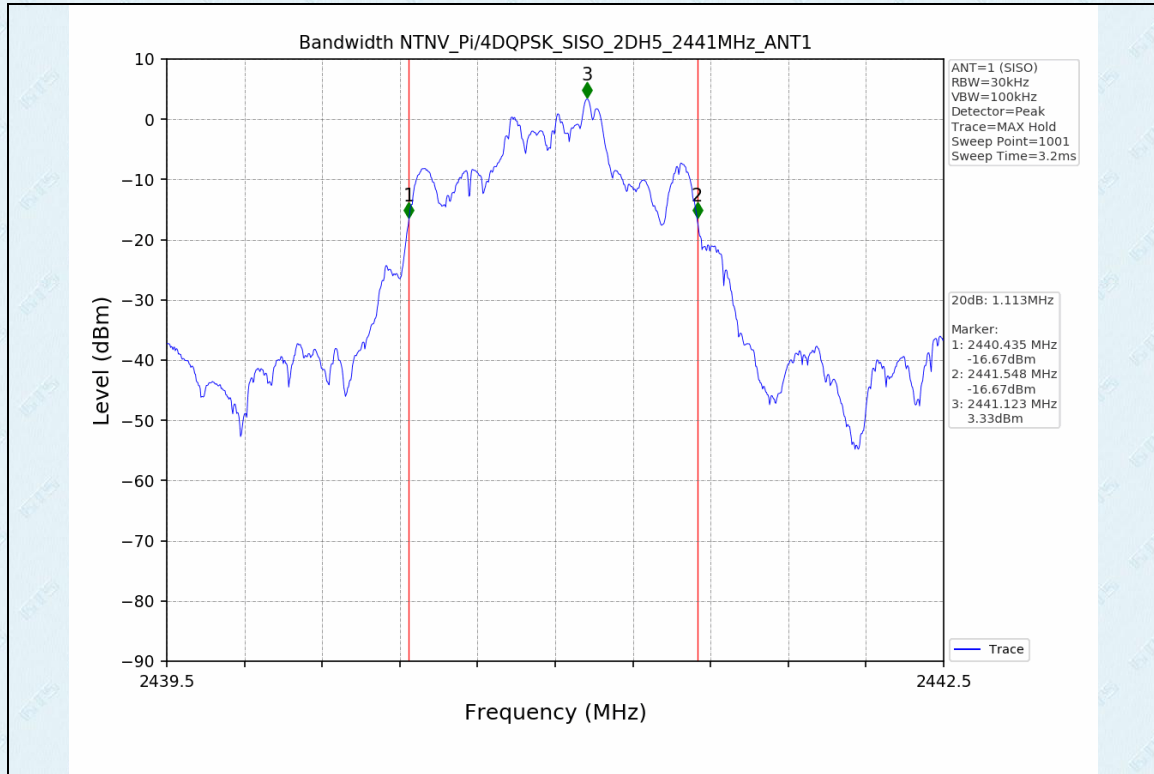
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.831	PASS
	2441	SISO	1	0.824	PASS
	2480	SISO	1	0.829	PASS
$\pi/4$ -DQPSK	2402	SISO	1	1.112	PASS
	2441	SISO	1	1.113	PASS
	2480	SISO	1	1.113	PASS
8-DPSK	2402	SISO	1	1.119	PASS
	2441	SISO	1	1.130	PASS
	2480	SISO	1	1.139	PASS

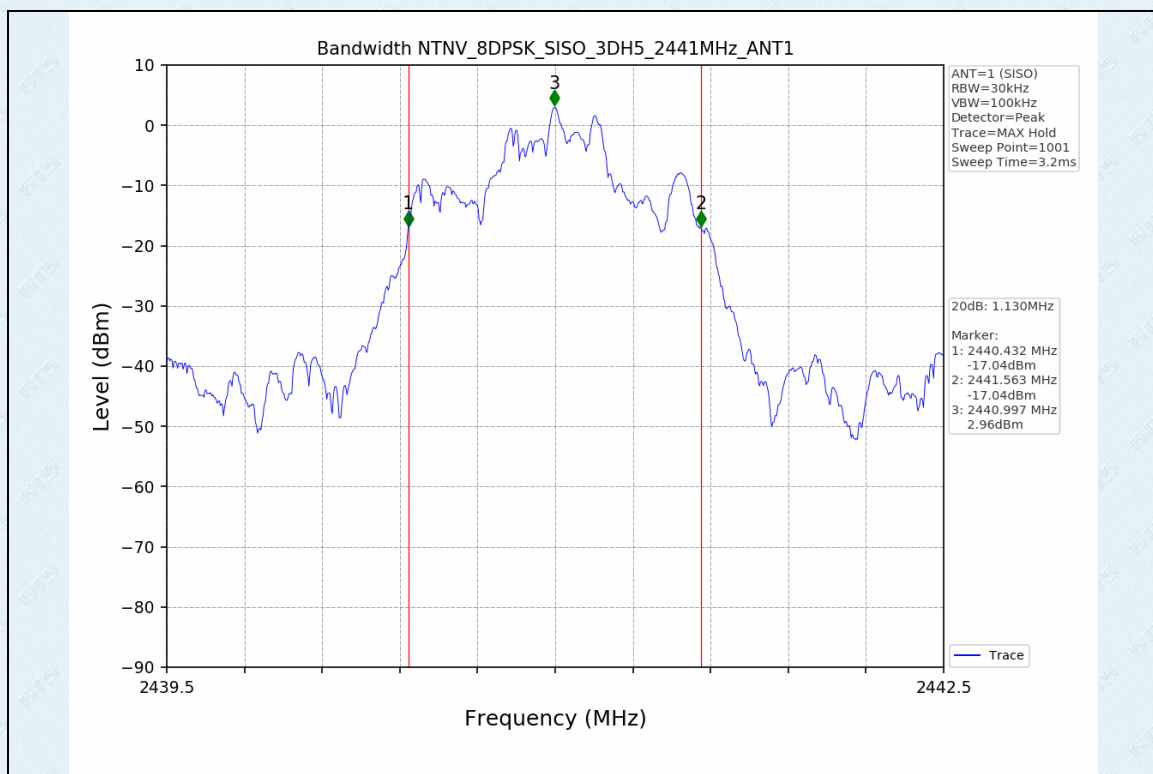
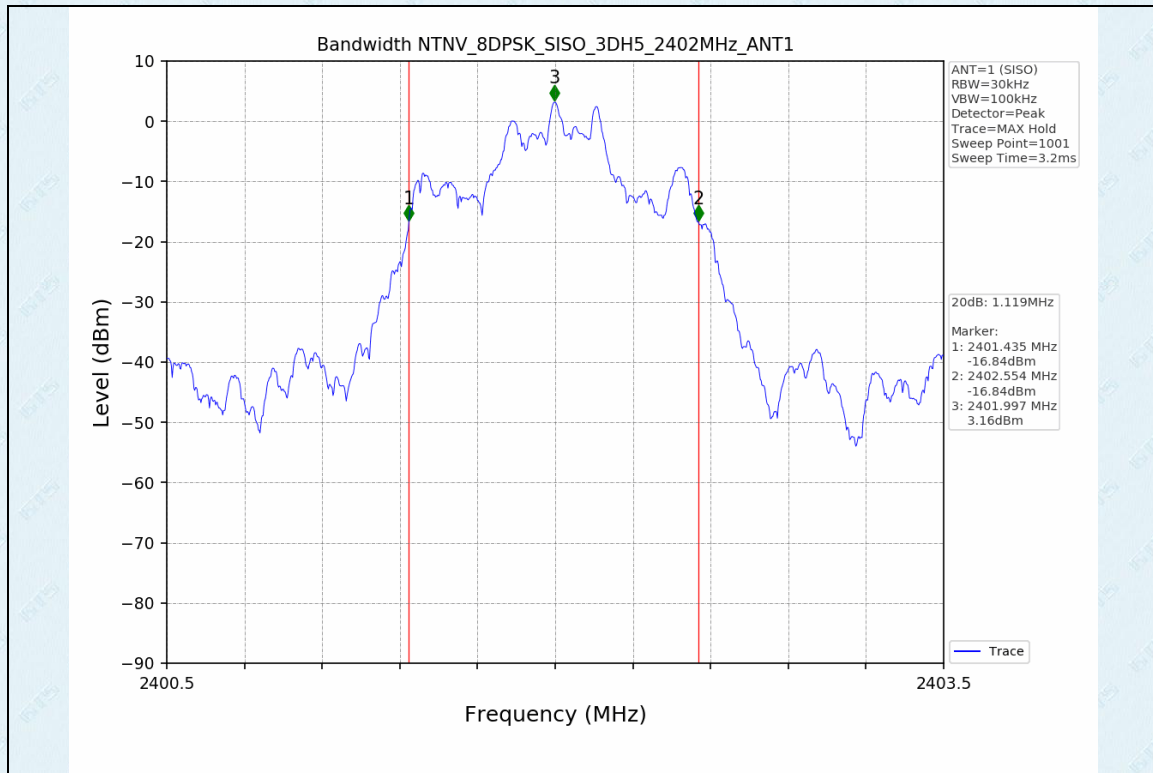
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.840	Only for Report Use
	2441	SISO	1	0.840	Only for Report Use
	2480	SISO	1	0.857	Only for Report Use
$\pi/4$ -DQPSK	2402	SISO	1	1.059	Only for Report Use
	2441	SISO	1	1.063	Only for Report Use
	2480	SISO	1	1.061	Only for Report Use
8-DPSK	2402	SISO	1	1.071	Only for Report Use
	2441	SISO	1	1.068	Only for Report Use
	2480	SISO	1	1.061	Only for Report Use

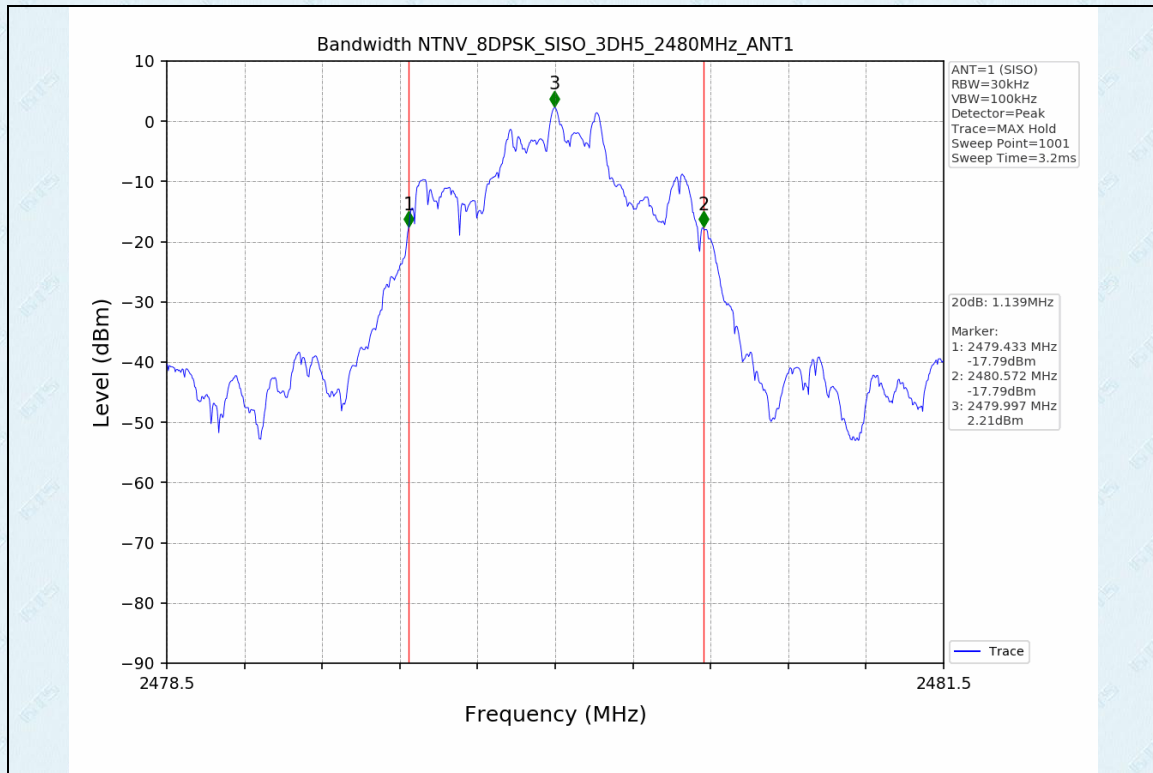
1.2 Test Graph - 20dB Bandwidth



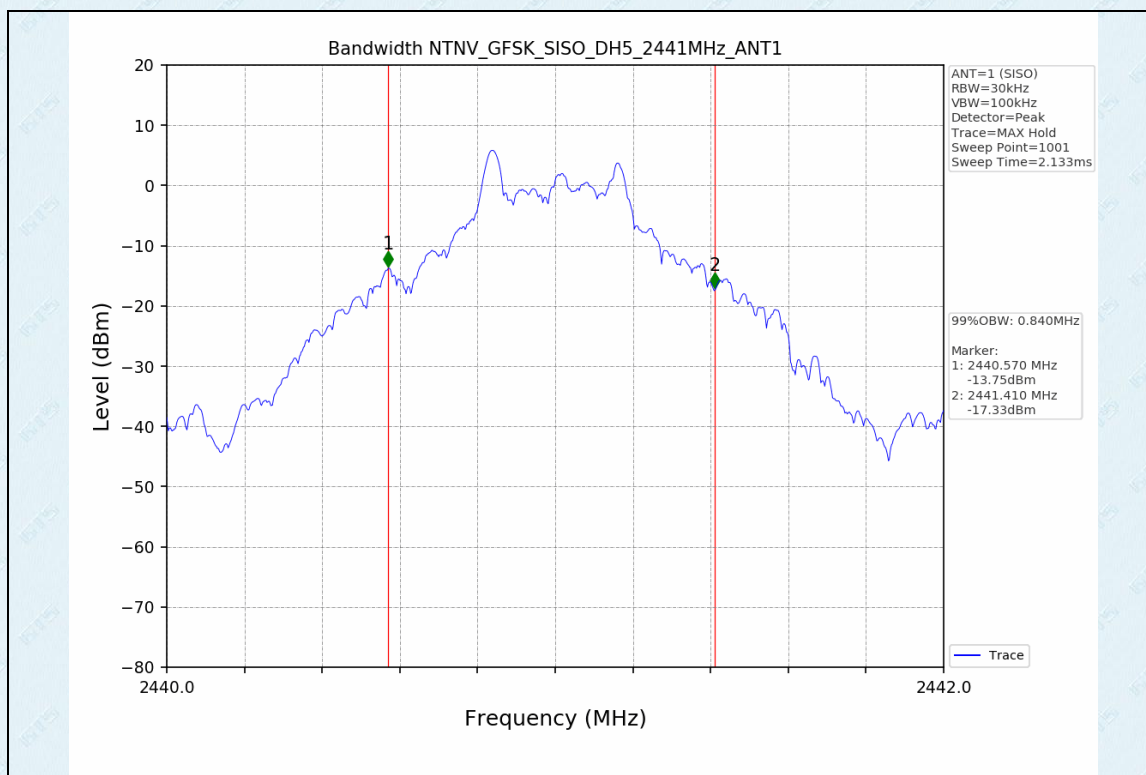
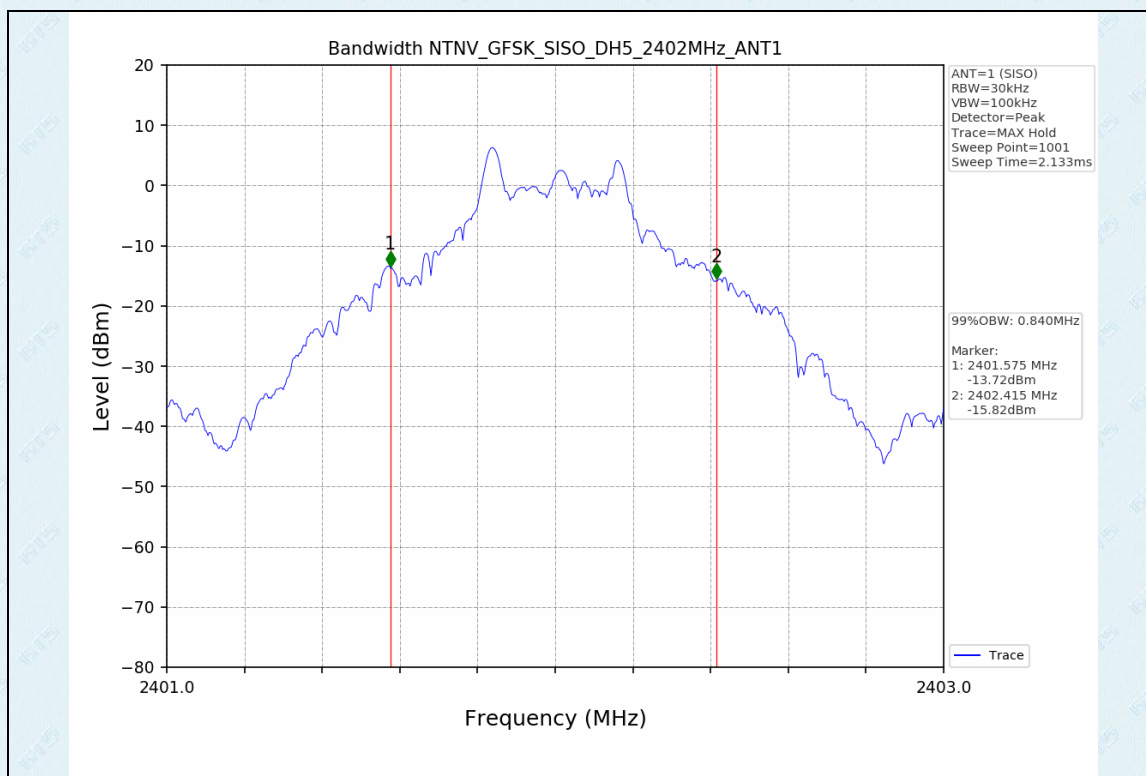


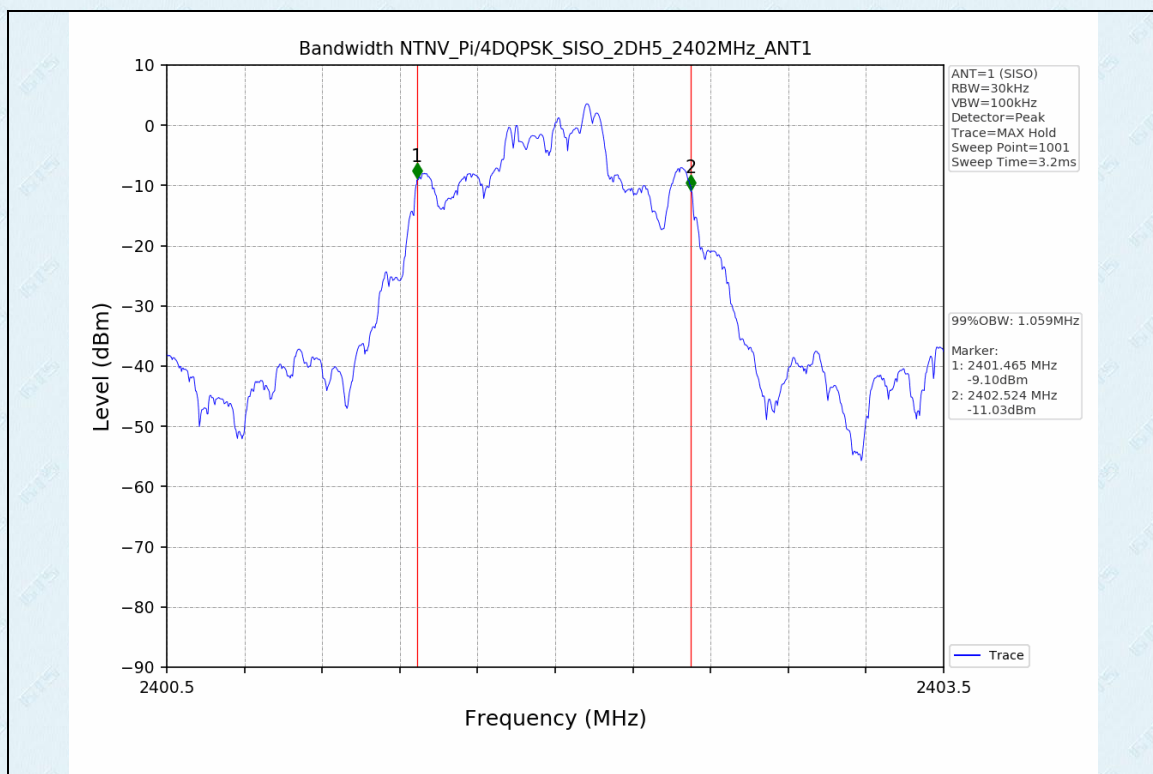
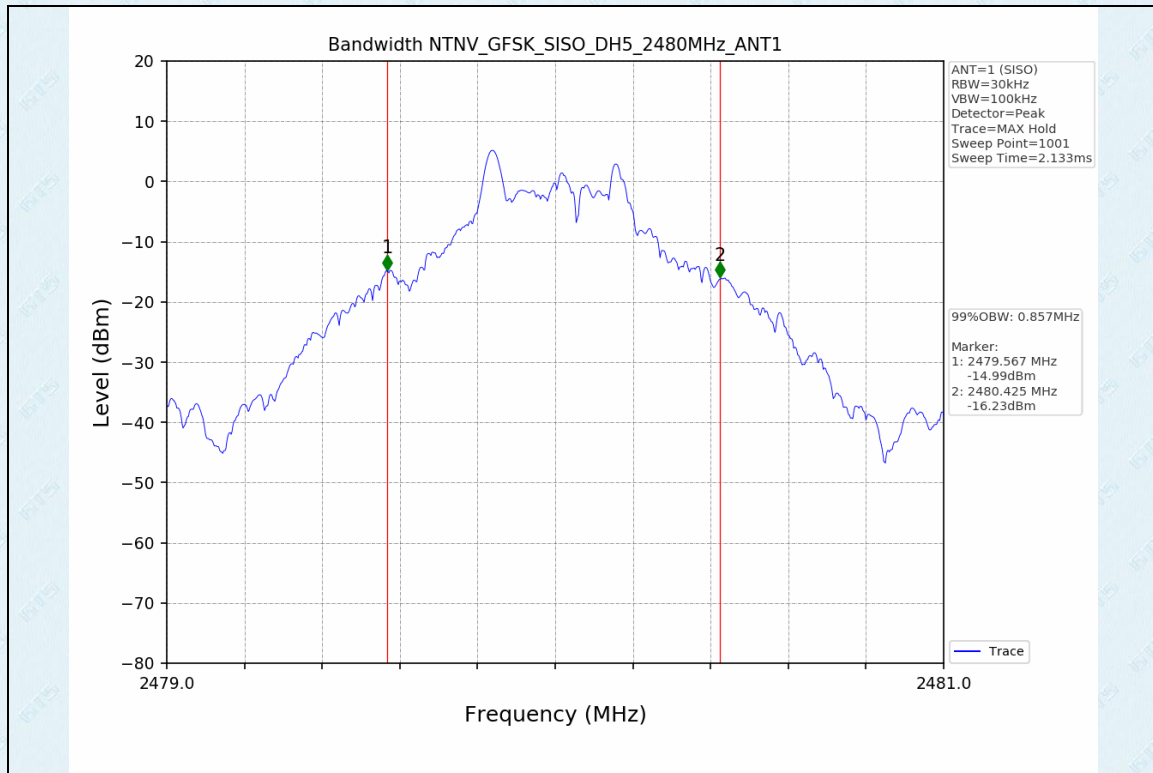


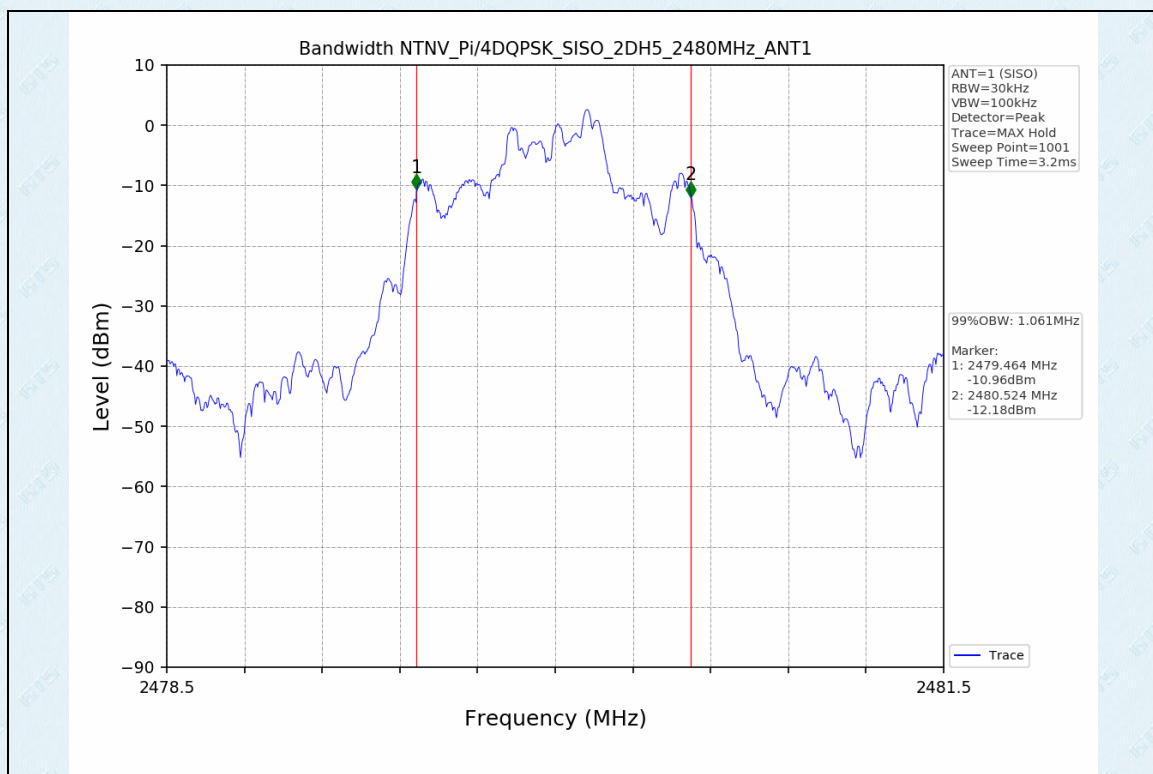
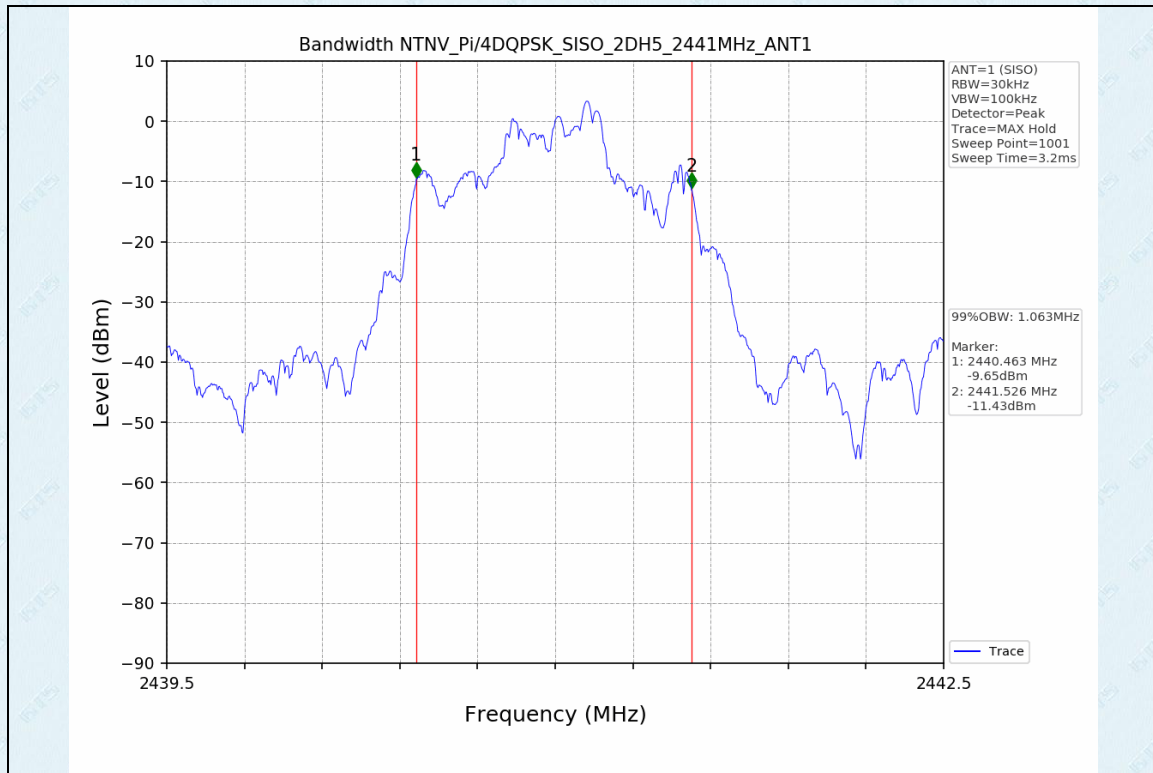


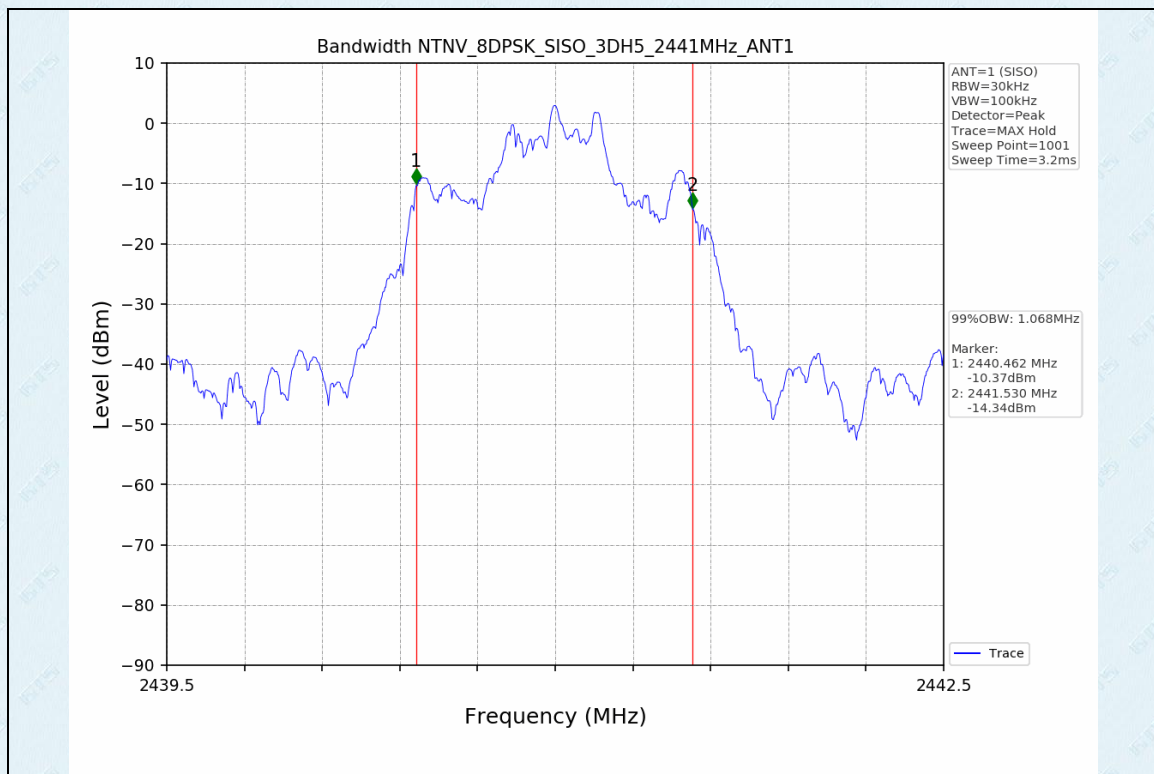
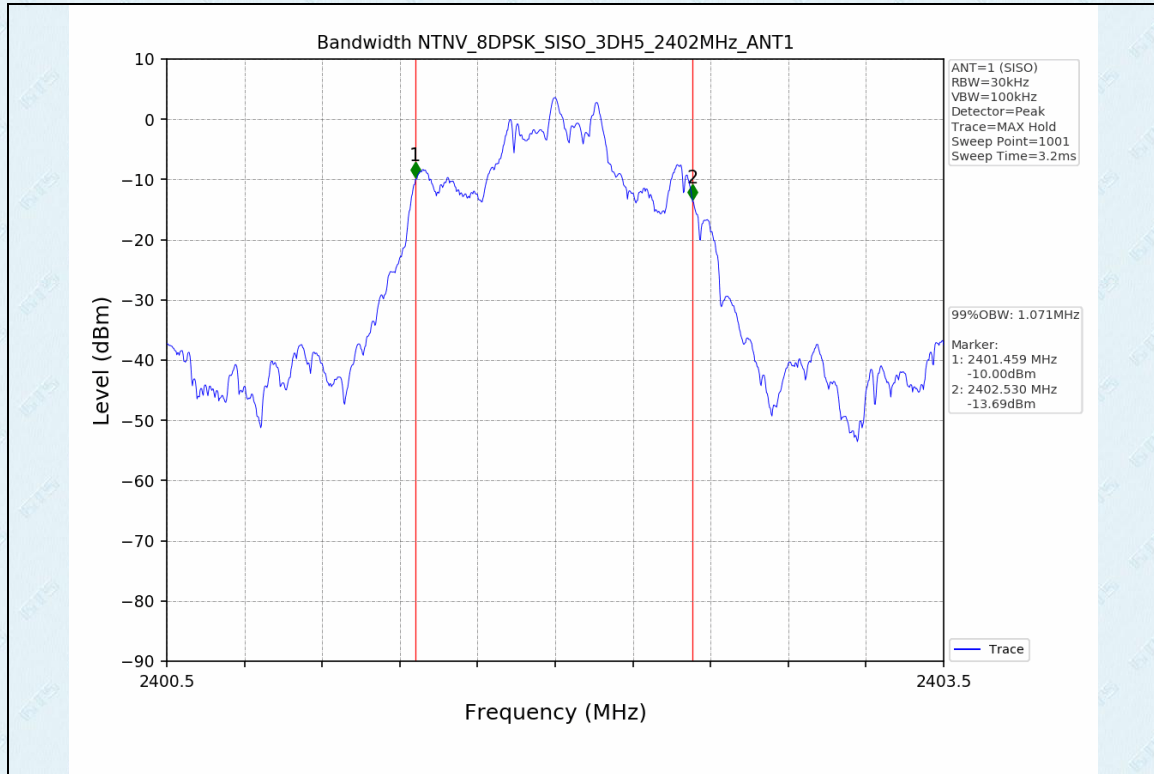


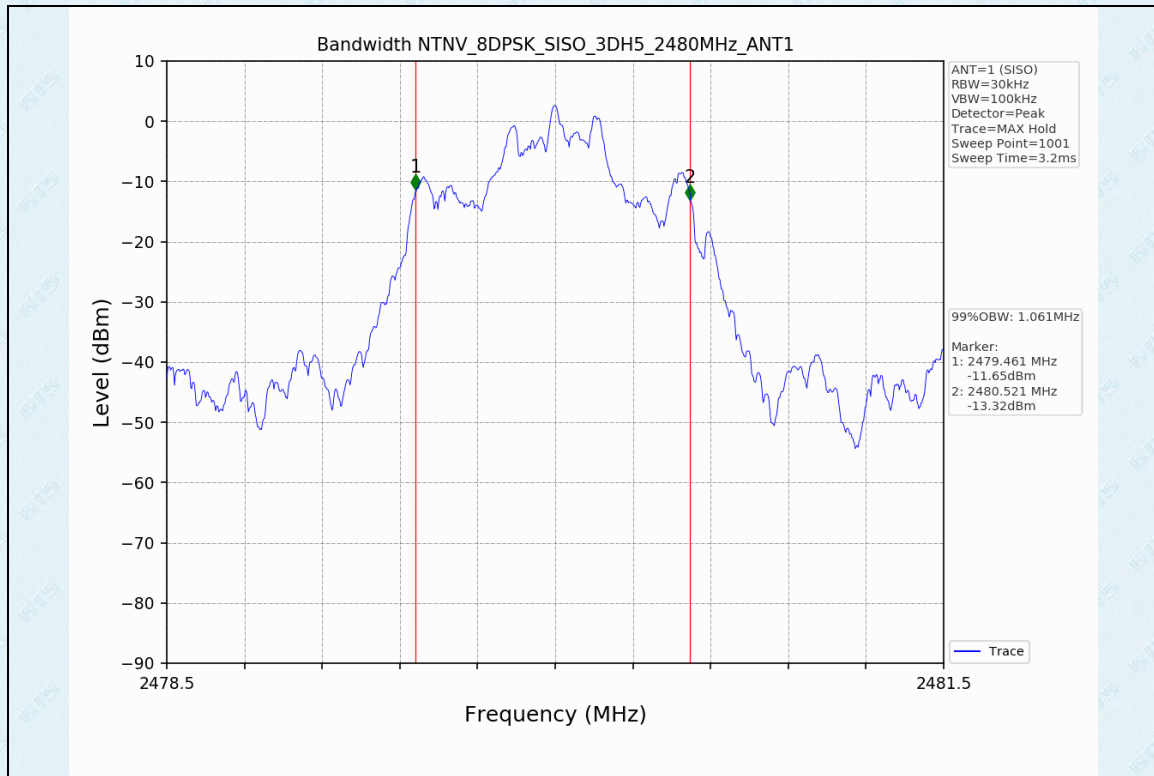
1.3 Test Graph - 99% Occupied Bandwidth









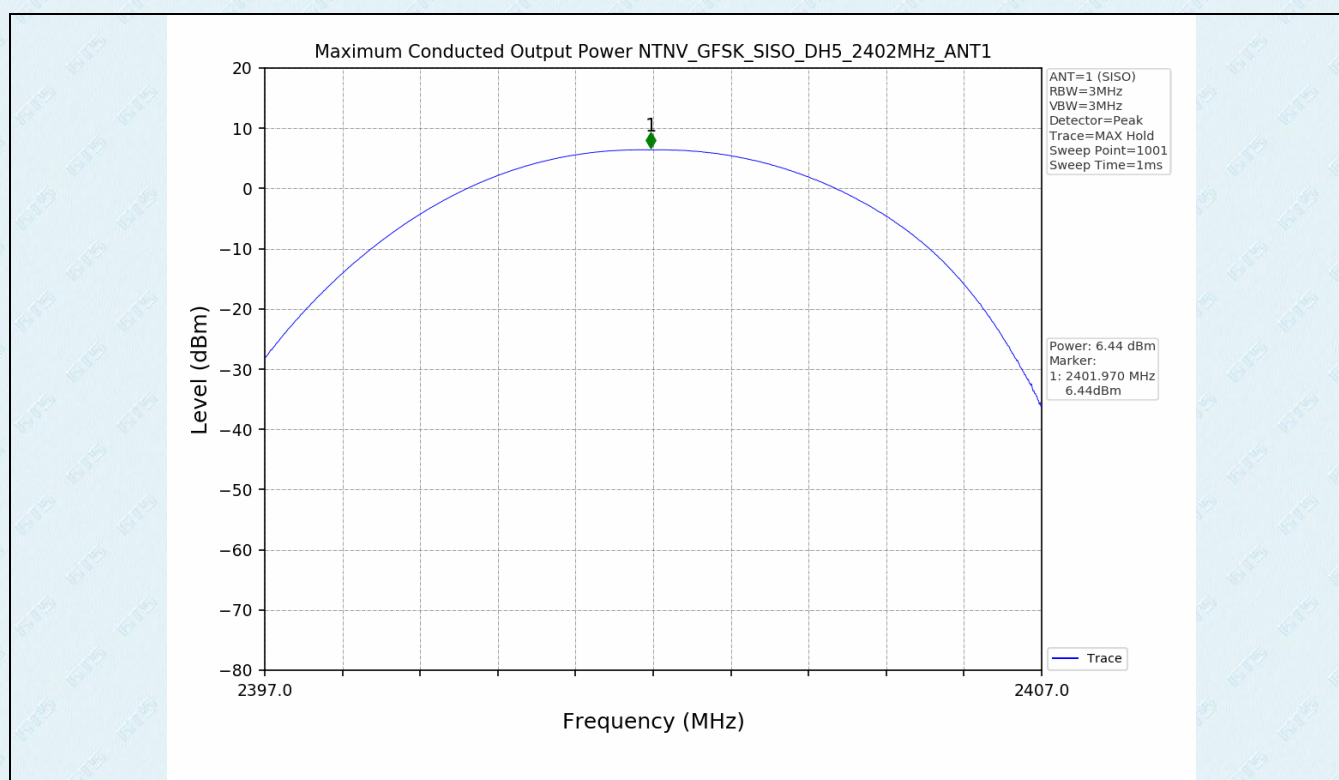


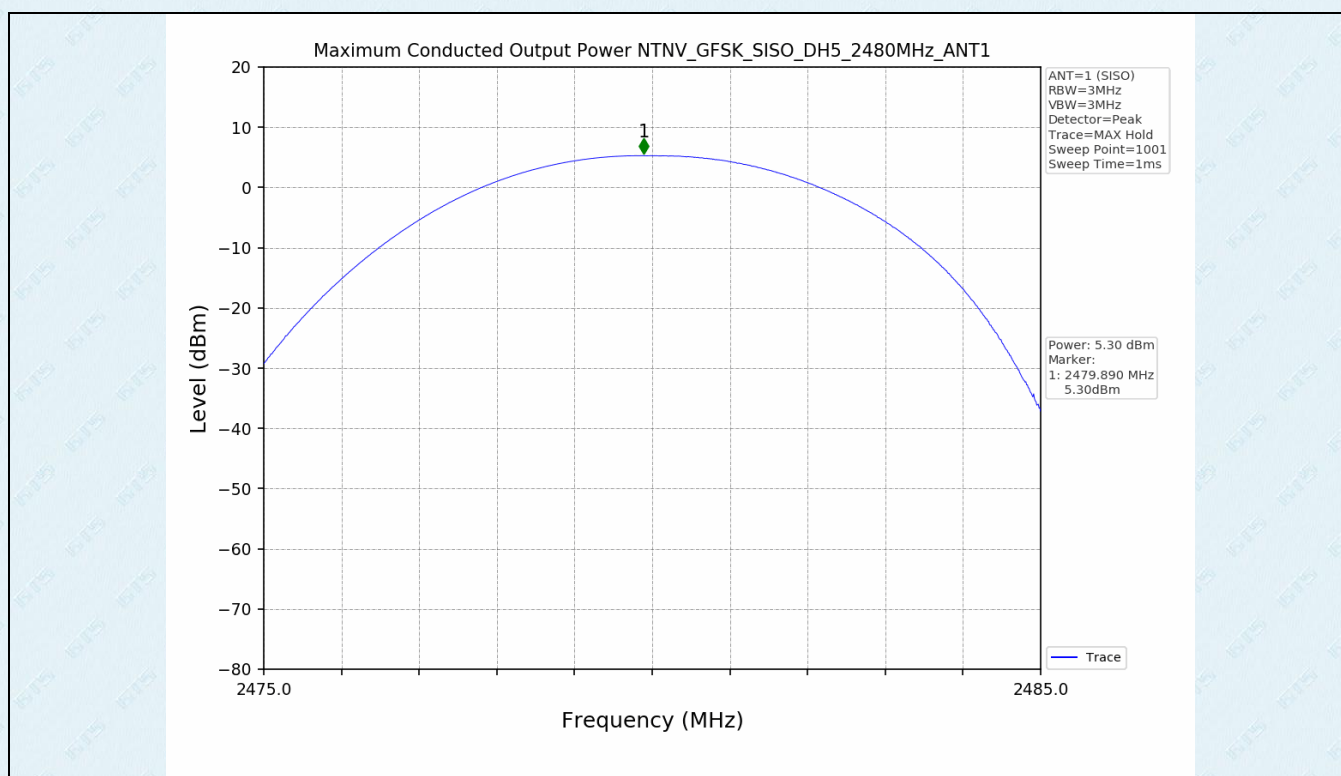
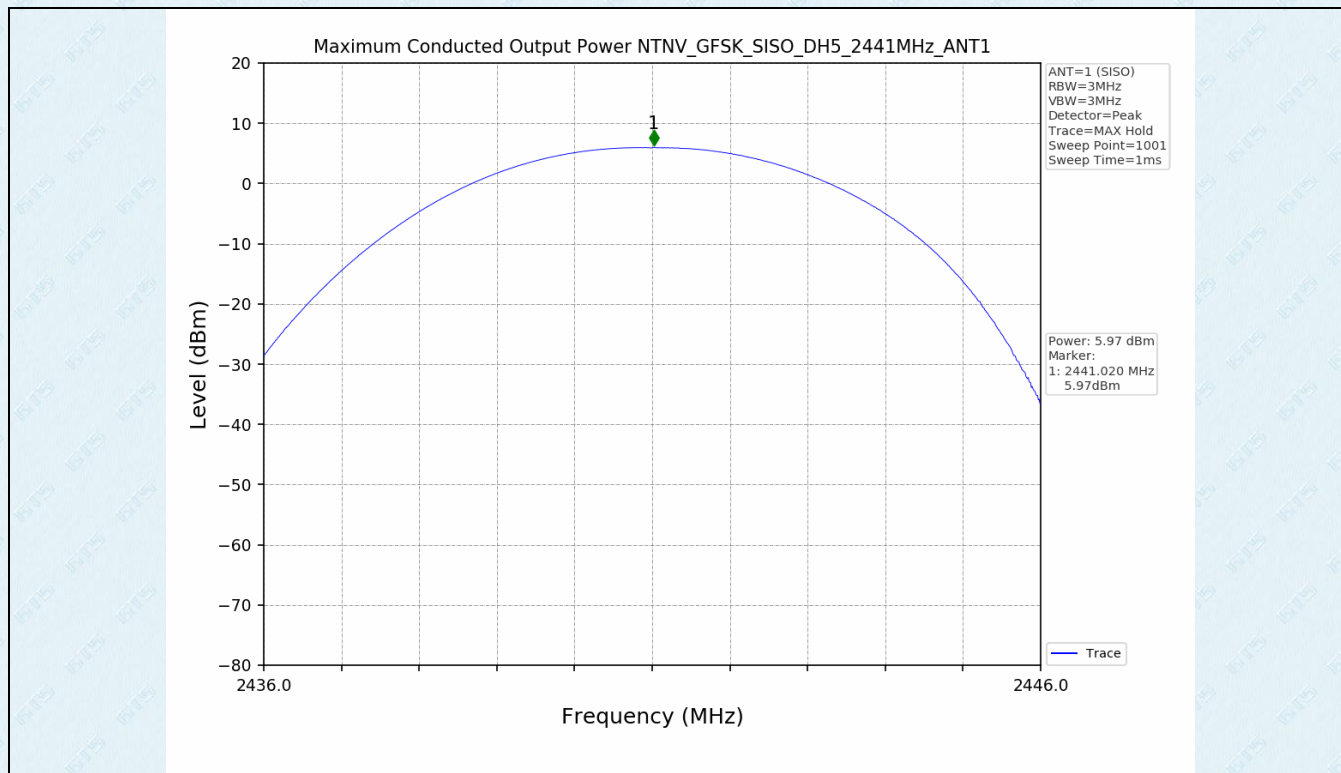
2. Maximum Conducted Output Power

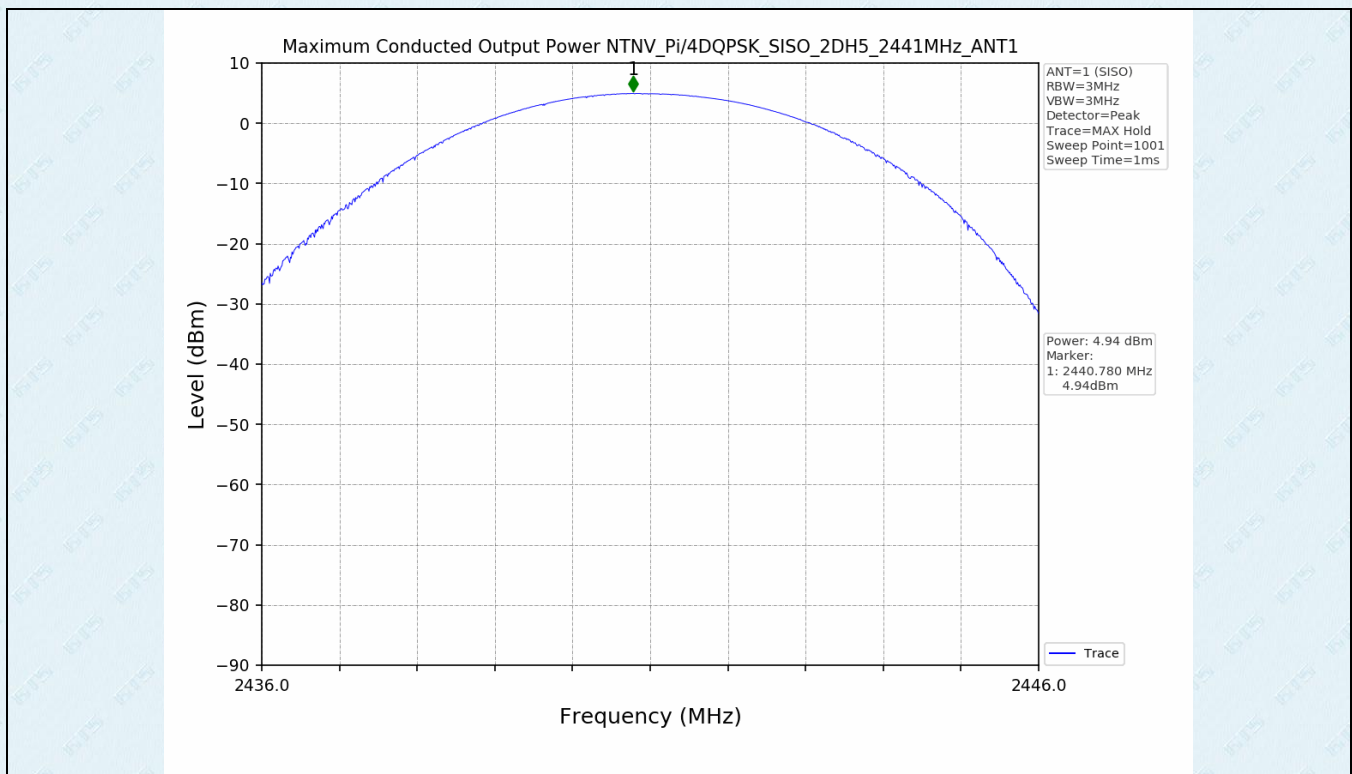
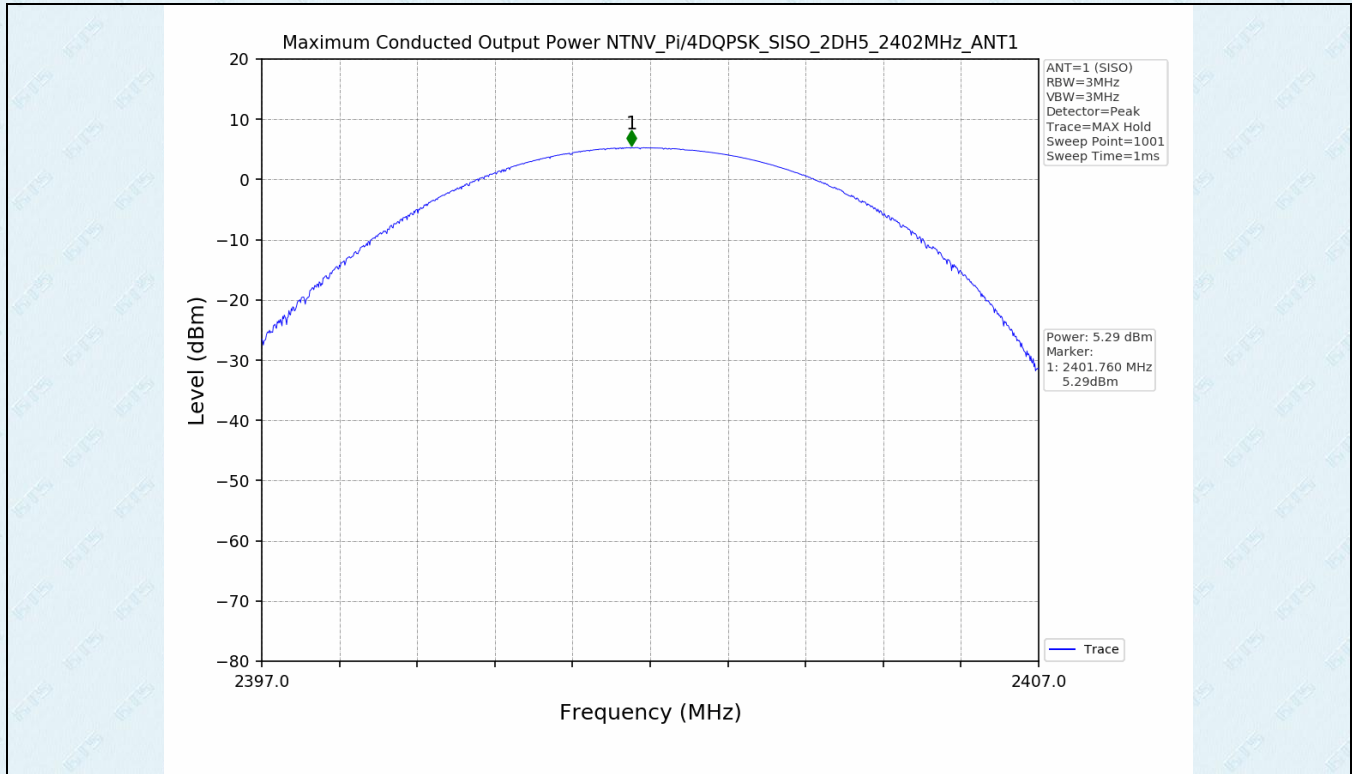
2.1 Test Result

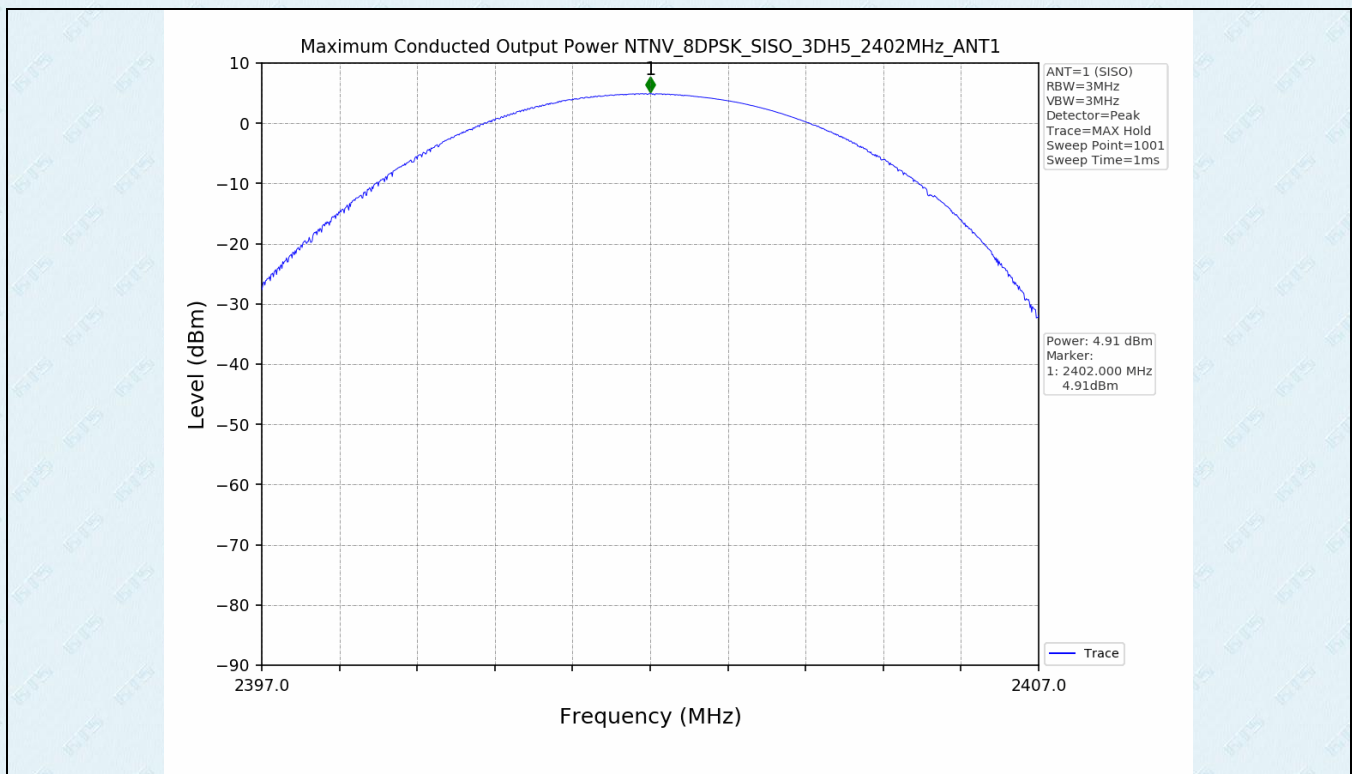
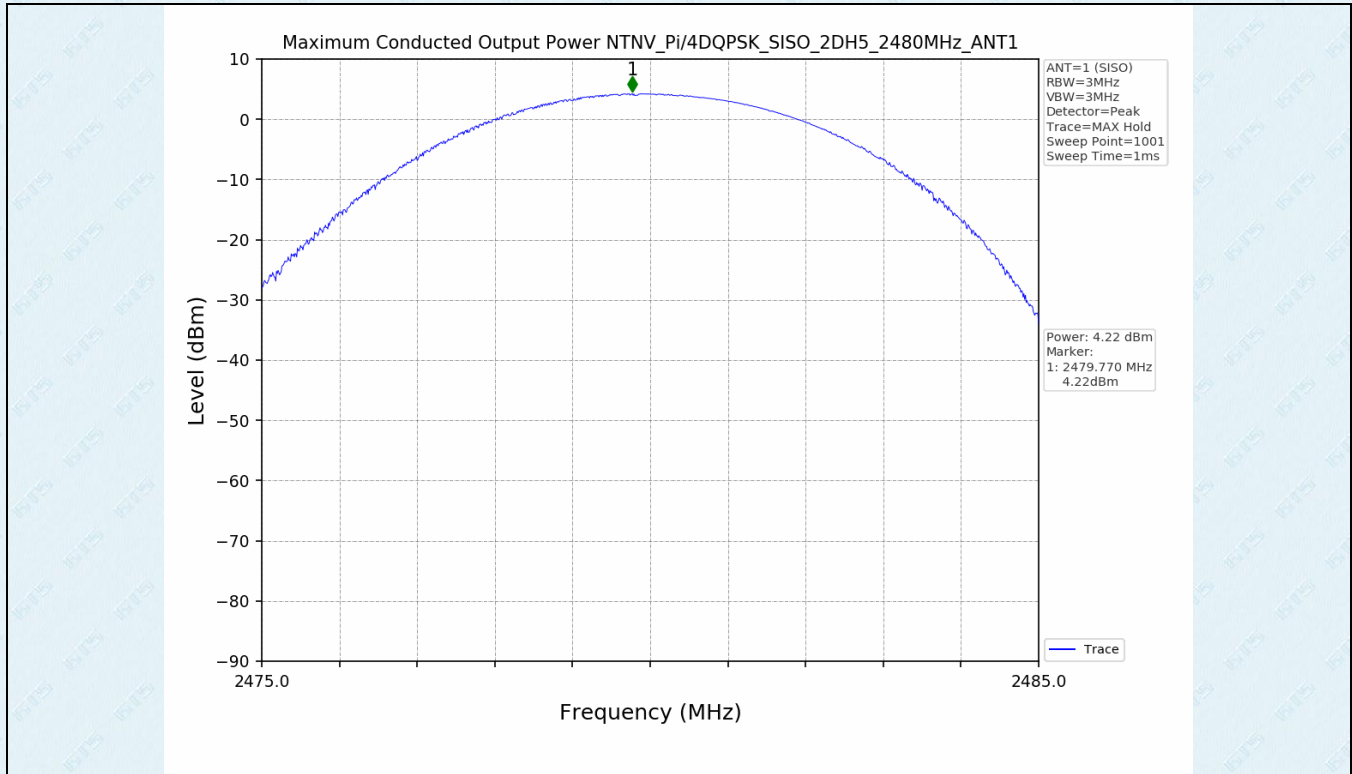
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	6.44	30	PASS
	2441	SISO	5.97	30	PASS
	2480	SISO	5.30	30	PASS
$\pi/4$ -DQPSK	2402	SISO	5.29	20.97	PASS
	2441	SISO	4.94	20.97	PASS
	2480	SISO	4.22	20.97	PASS
8-DPSK	2402	SISO	4.91	20.97	PASS
	2441	SISO	4.91	20.97	PASS
	2480	SISO	3.88	20.97	PASS

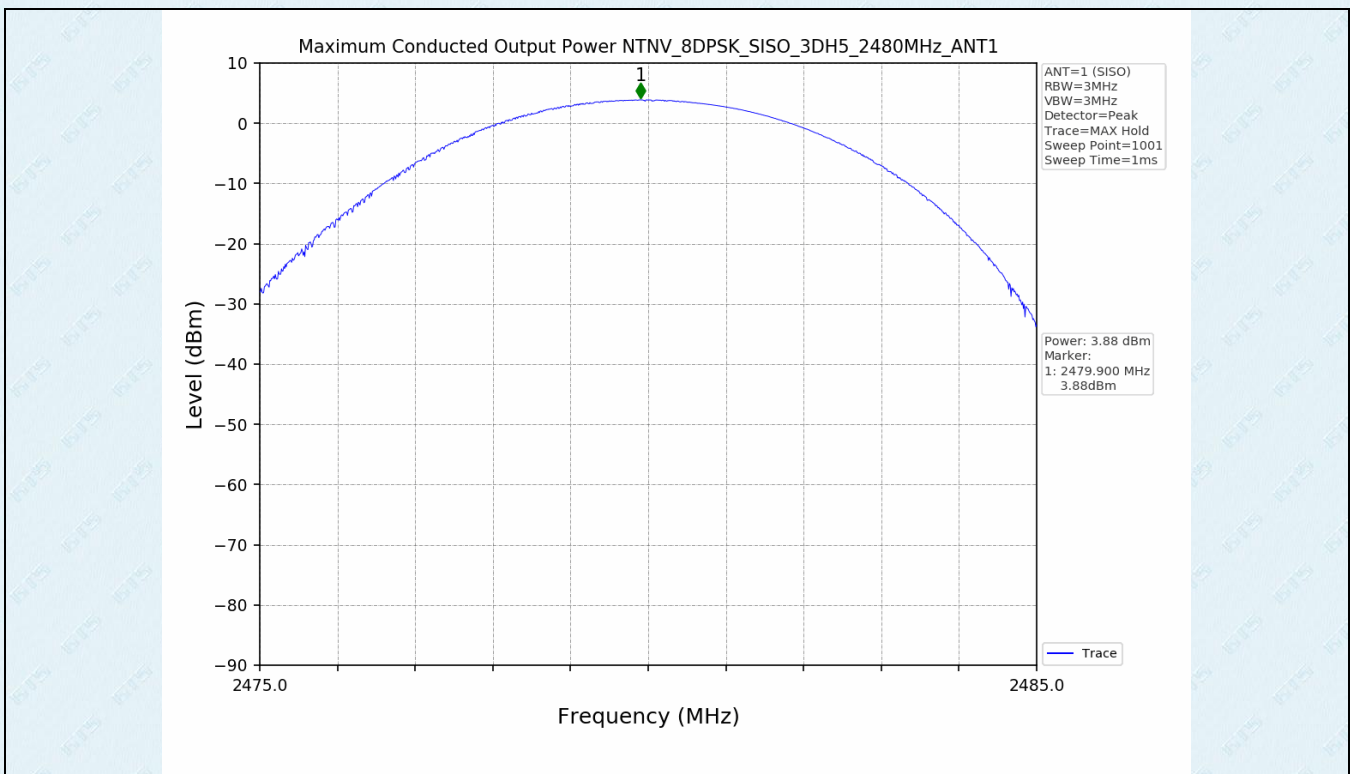
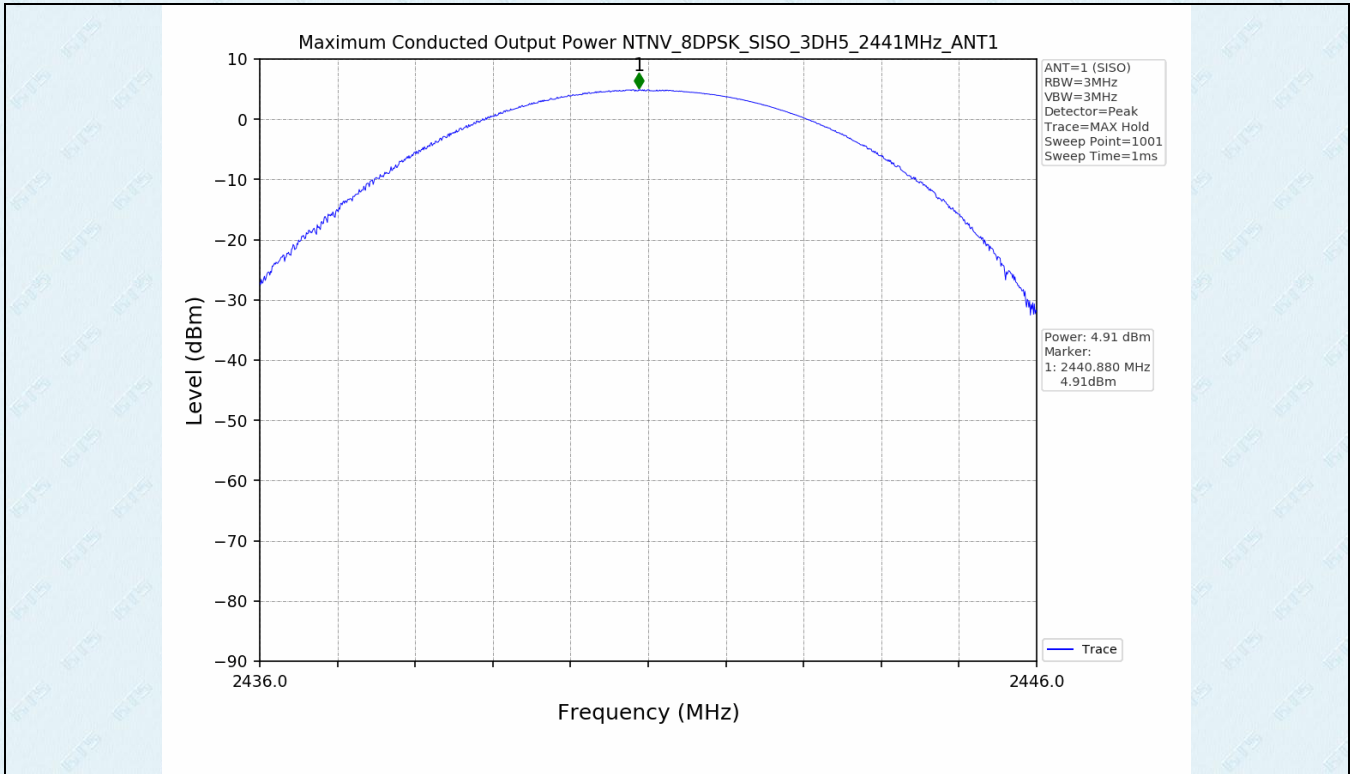
2.2 Test Graph









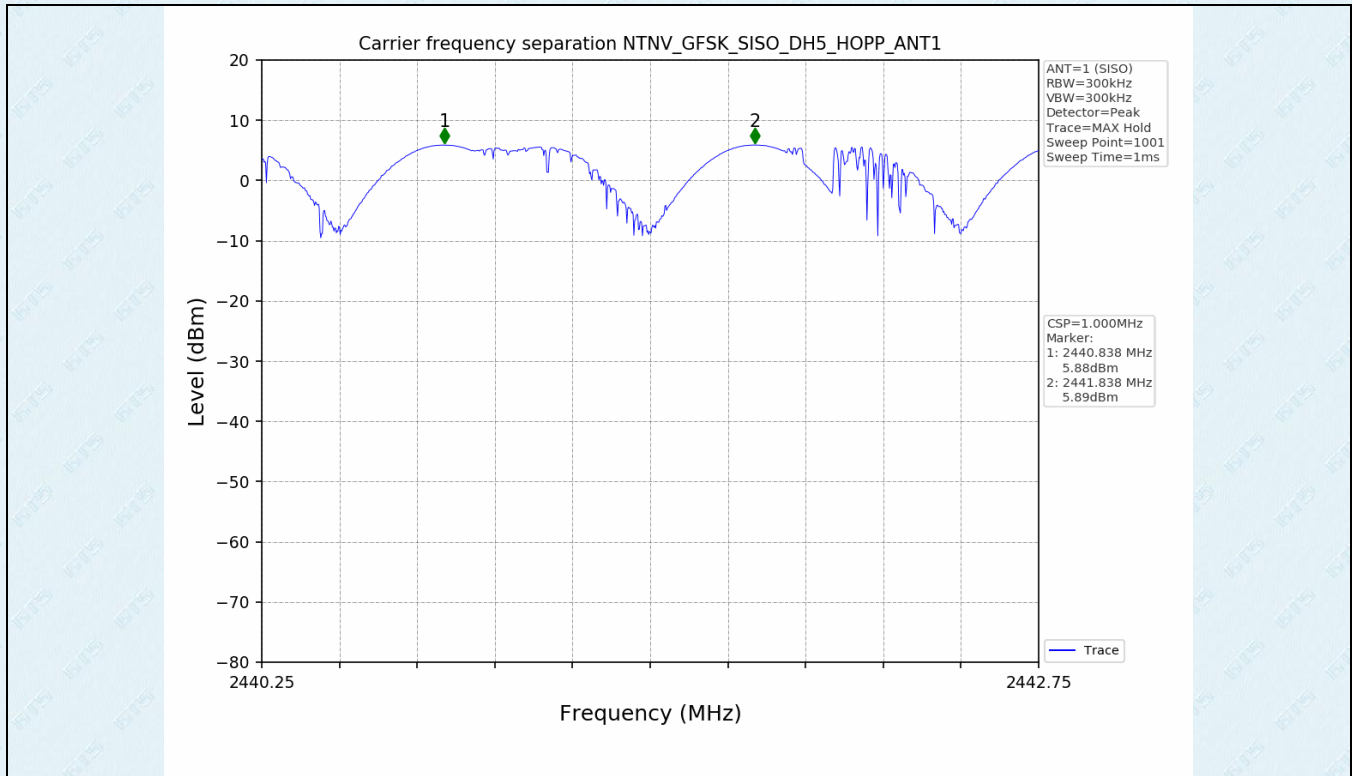


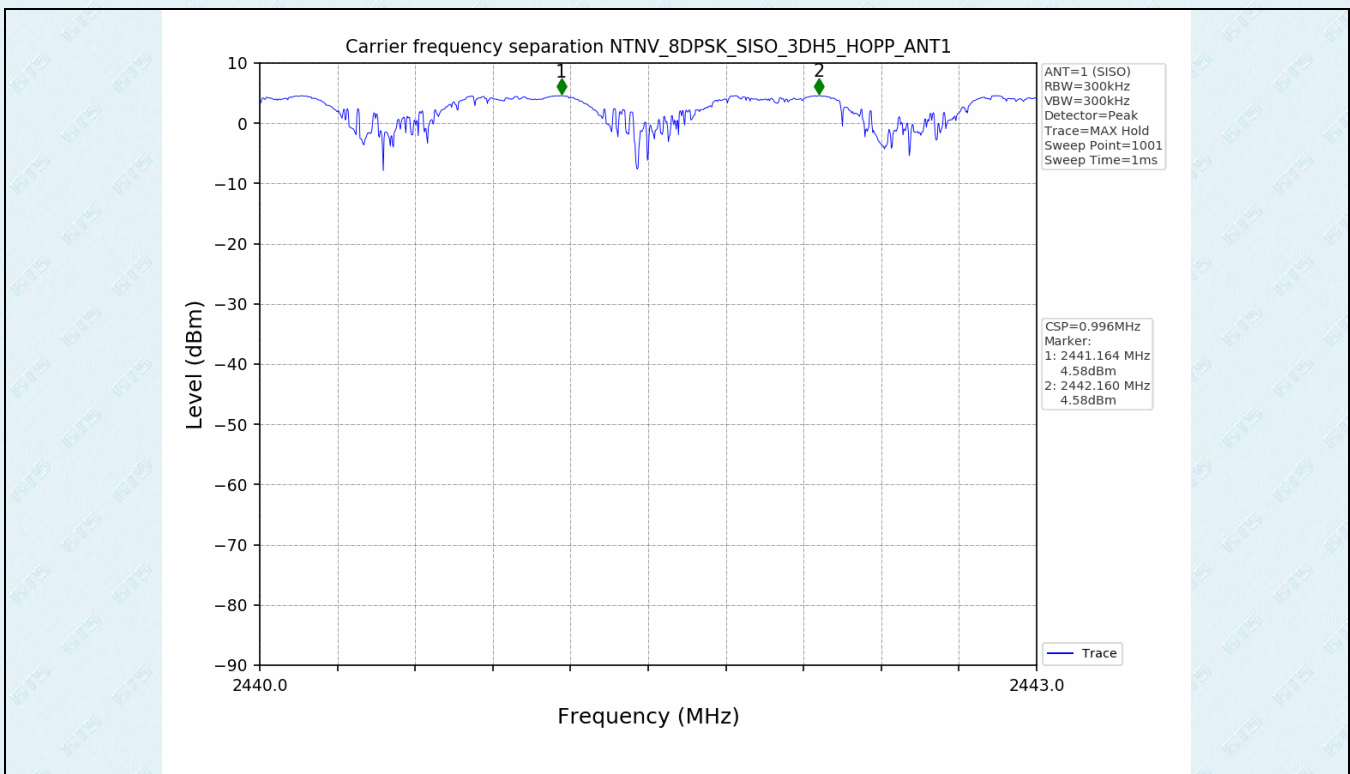
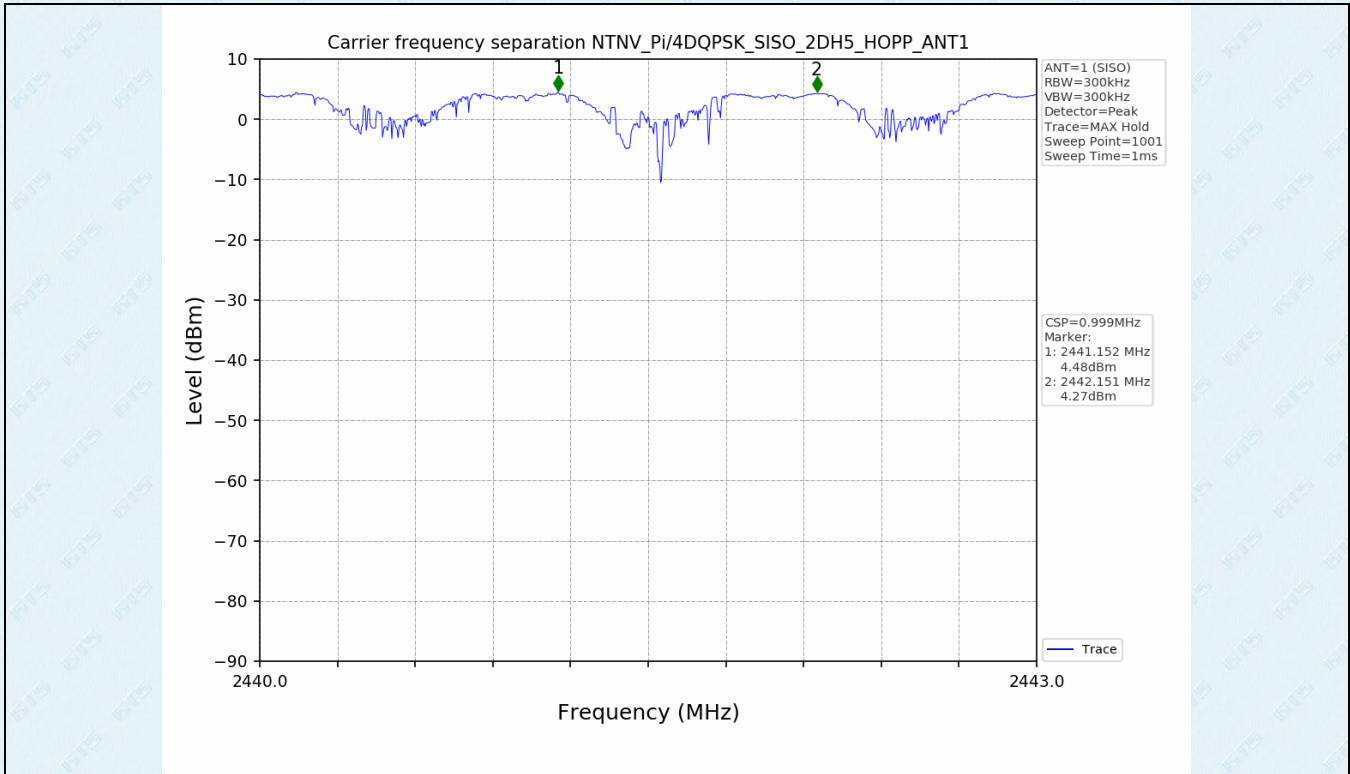
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	0.831	≥ 0.831	PASS
$\pi/4$ -DQPSK	SISO	1	0.999	1.113	≥ 0.742	PASS
8-DPSK	SISO	1	0.996	1.139	≥ 0.759	PASS

3.2 Test Graph



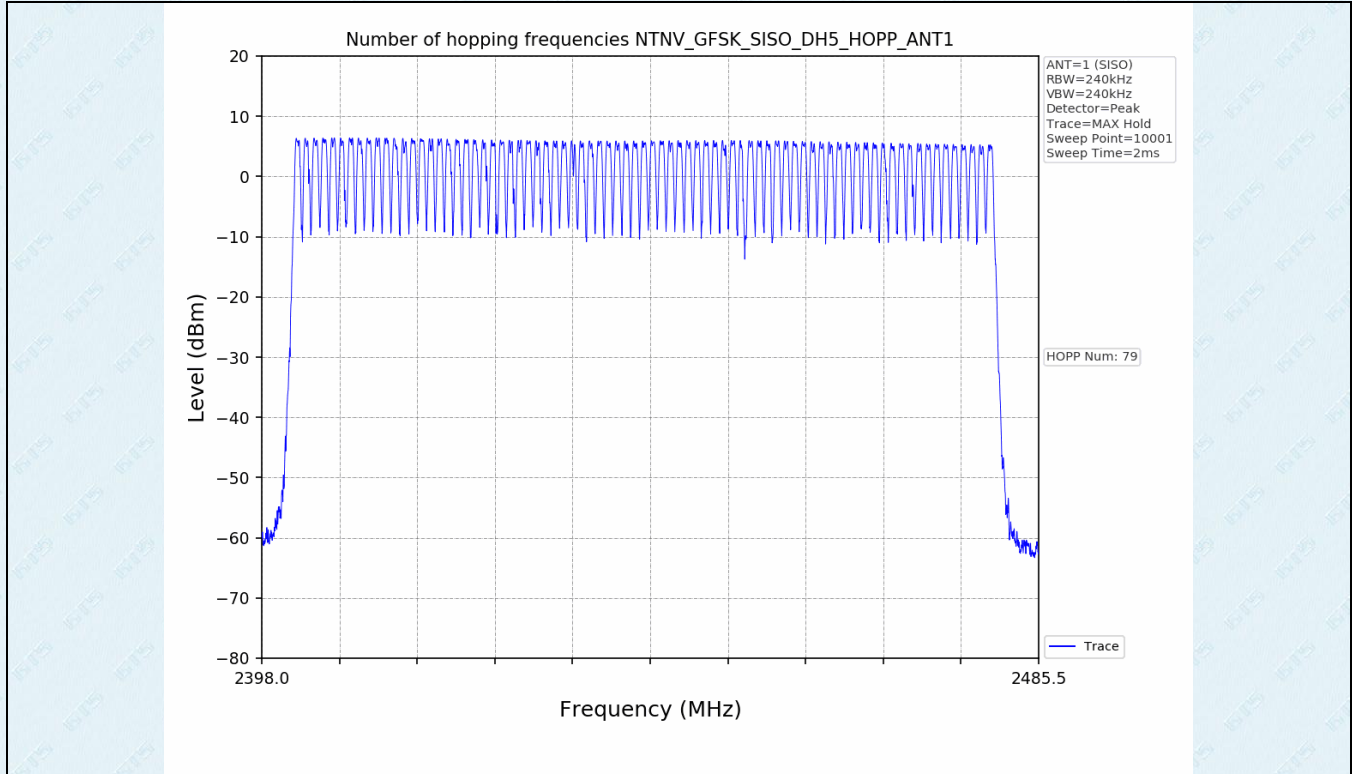


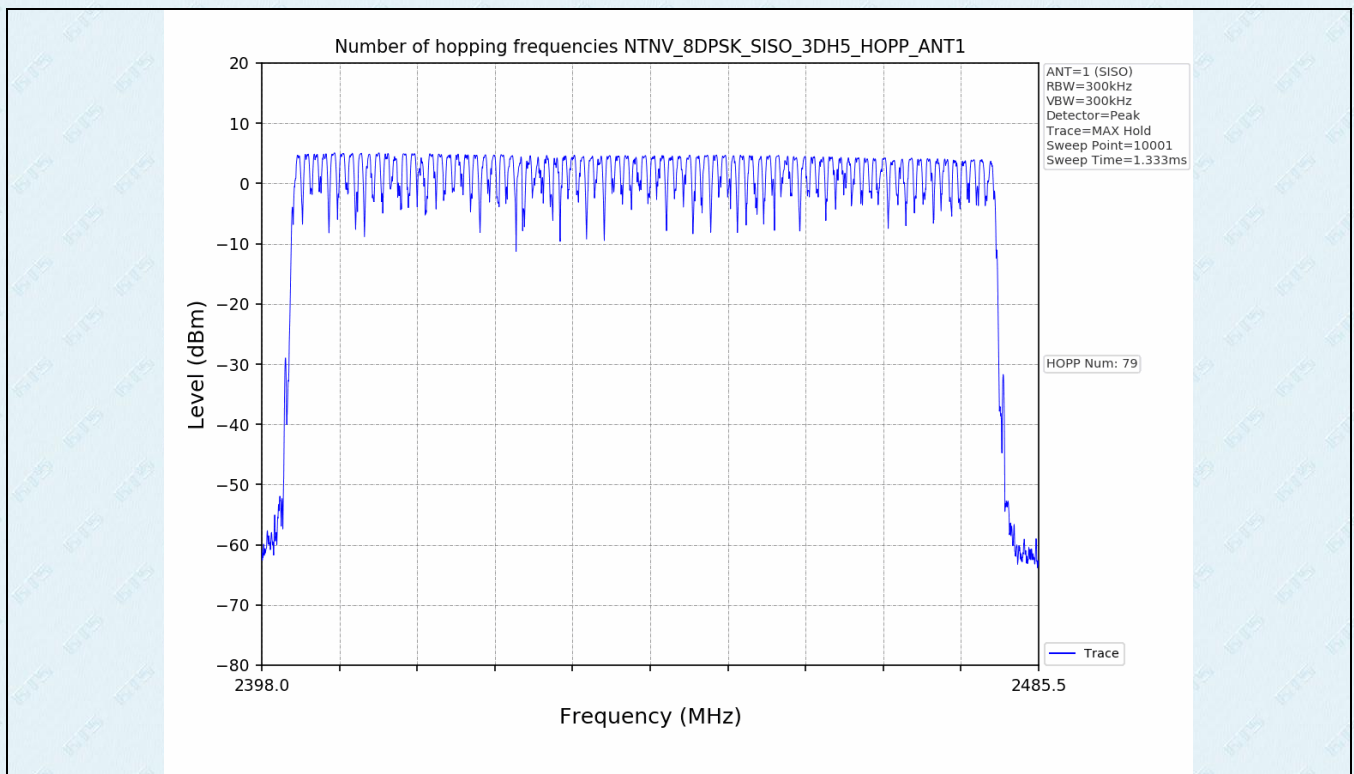
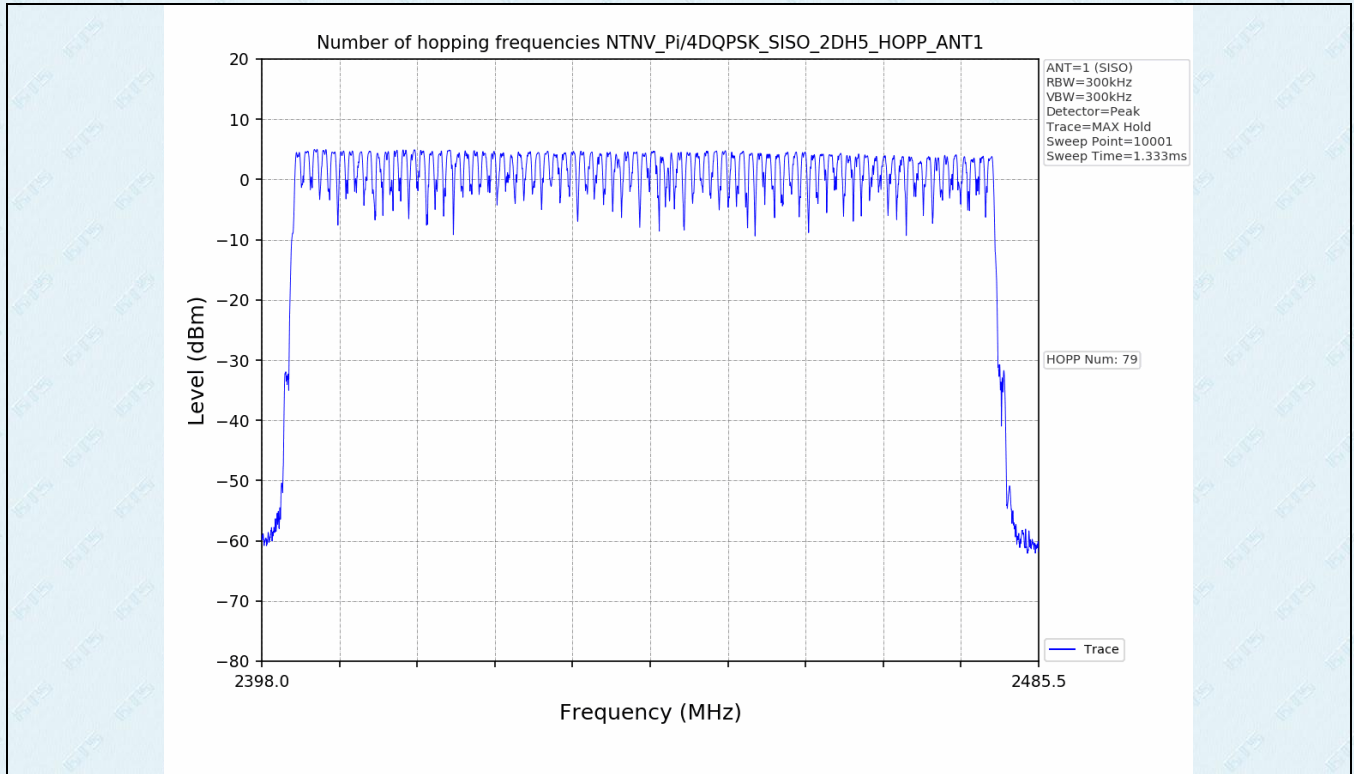
4. Number of hopping frequencies

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



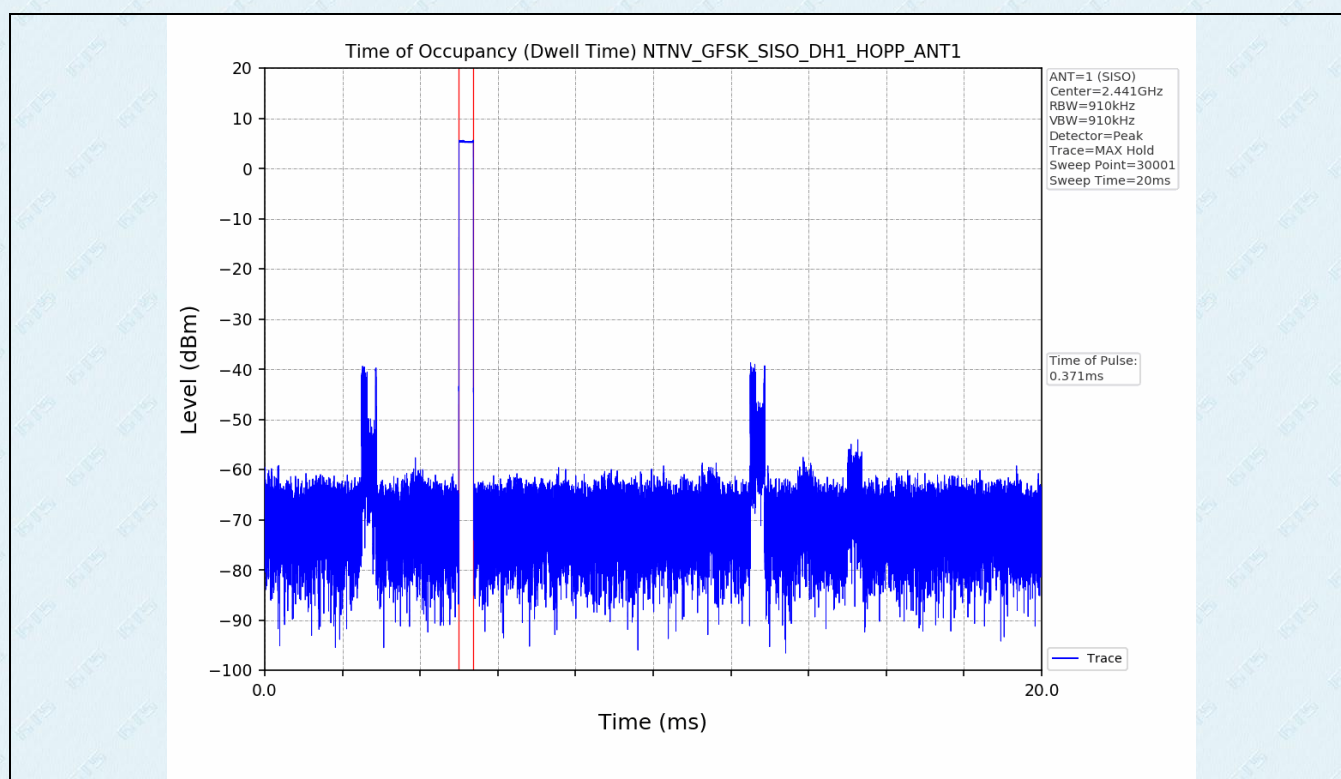


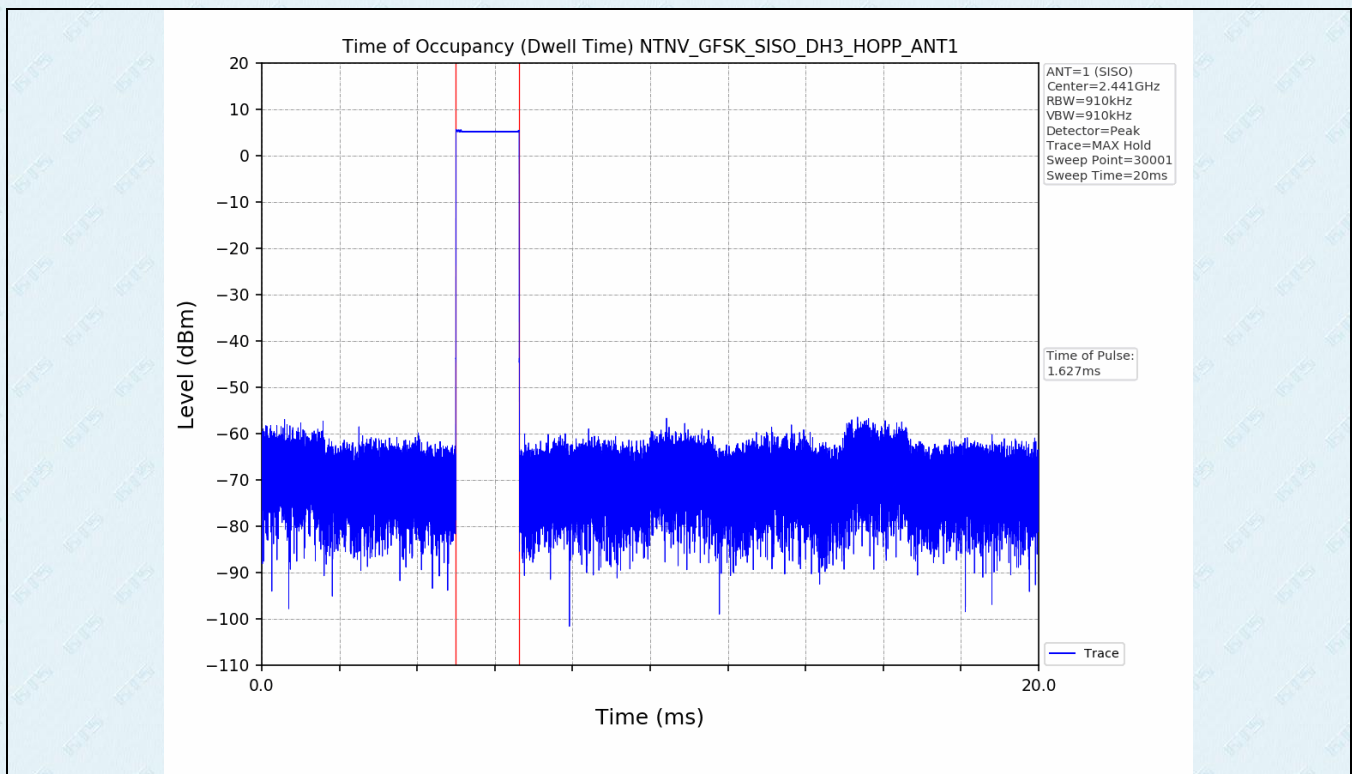
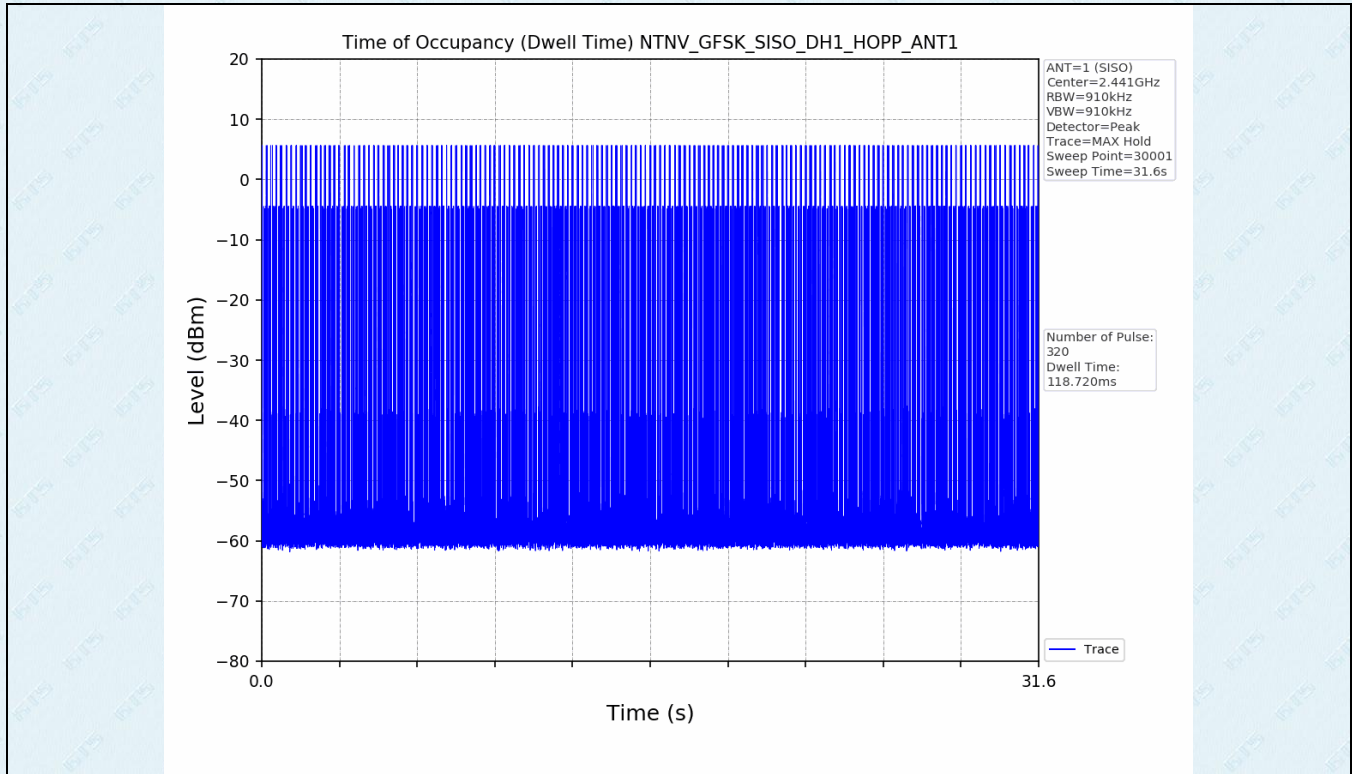
5. Time of Occupancy (Dwell Time)

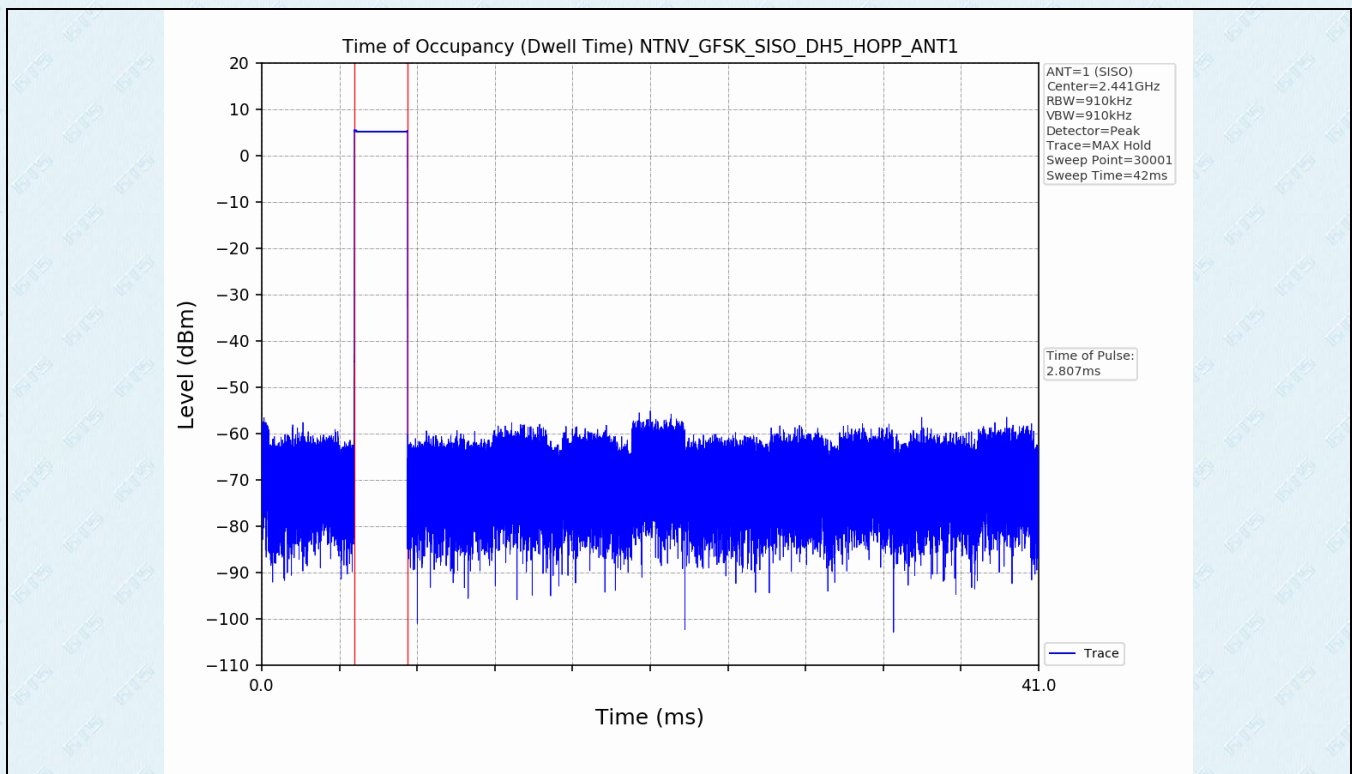
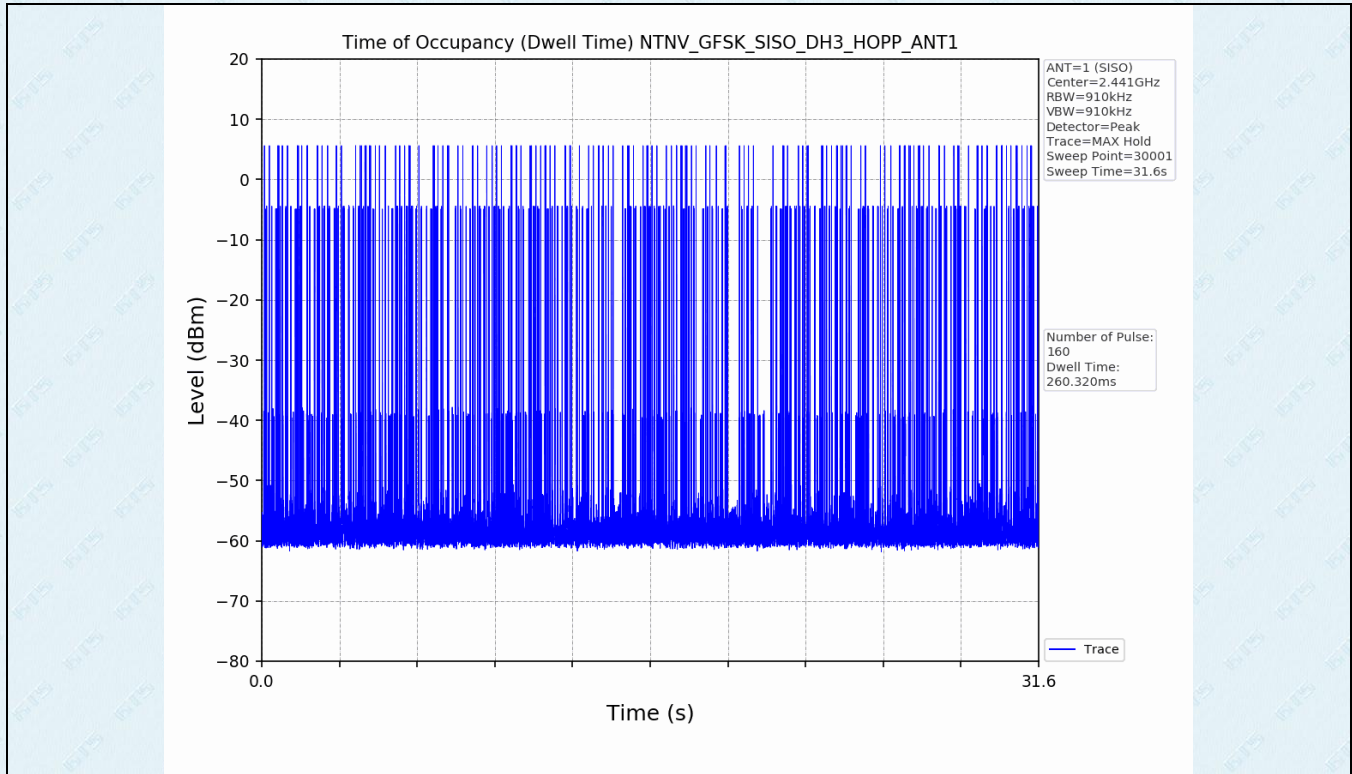
5.1 Test Result

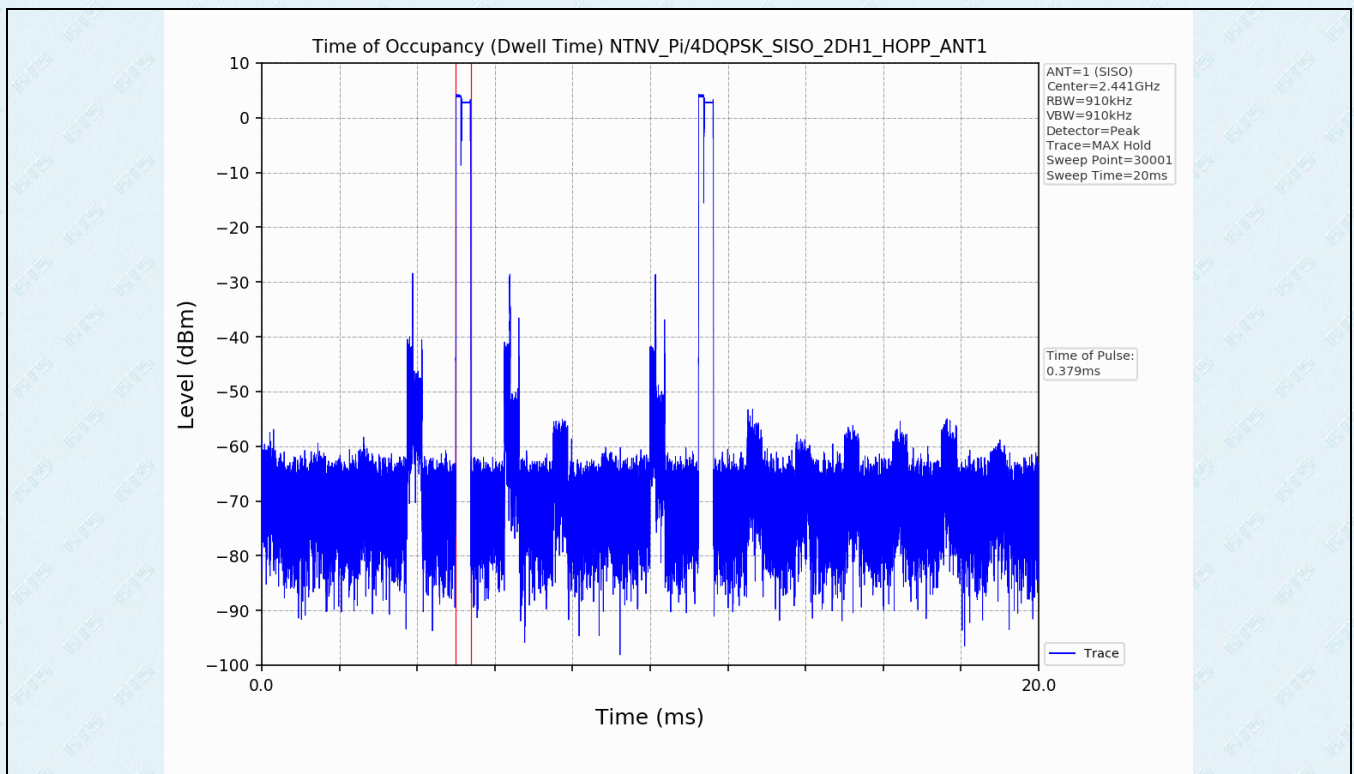
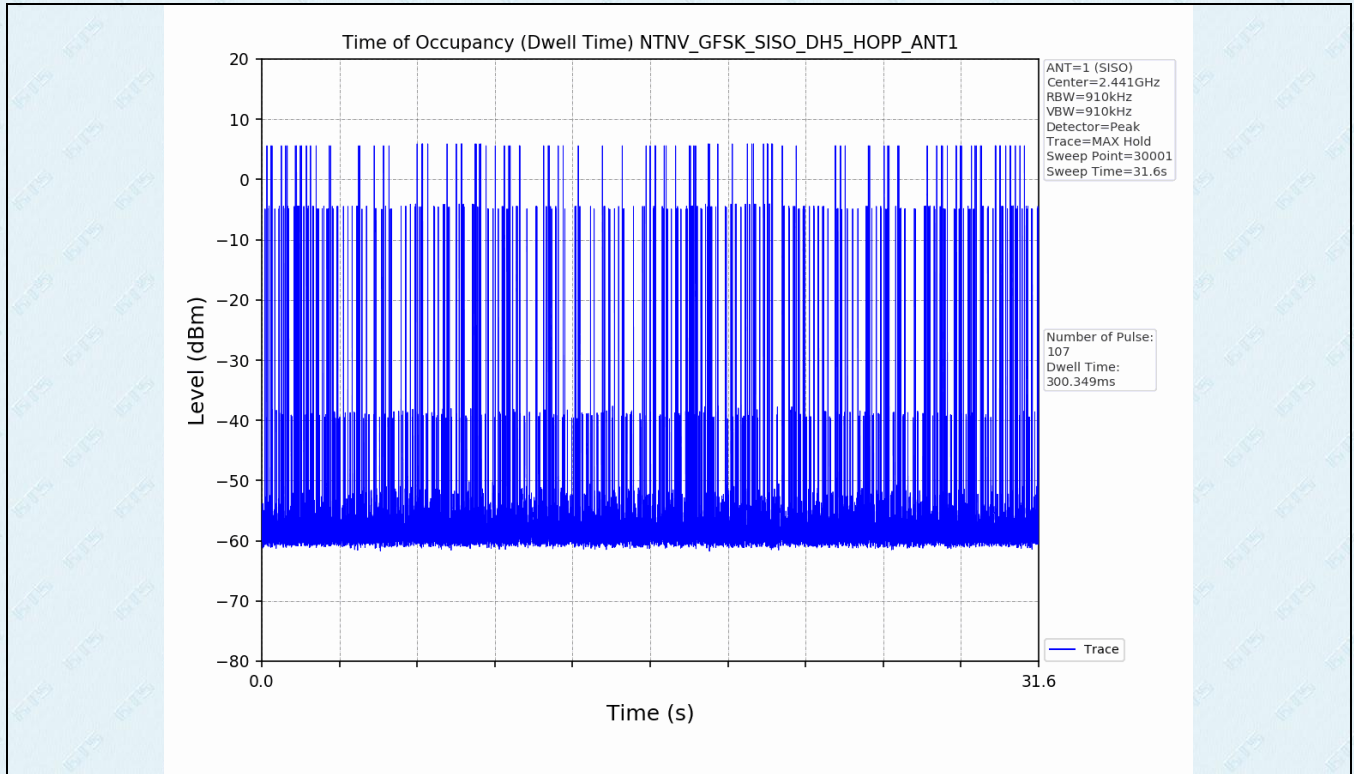
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Obeservation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.371	31.6	320	118.720	≤400	PASS
	DH3	SISO	1	1.627	31.6	160	260.320	≤400	PASS
	DH5	SISO	1	2.807	31.6	107	300.349	≤400	PASS
$\pi/4$ -DQPSK	2DH1	SISO	1	0.379	31.6	320	121.280	≤400	PASS
	2DH3	SISO	1	1.631	31.6	160	260.960	≤400	PASS
	2DH5	SISO	1	2.875	31.6	104	299.000	≤400	PASS
8-DPSK	3DH1	SISO	1	0.381	31.6	320	121.920	≤400	PASS
	3DH3	SISO	1	1.631	31.6	160	260.960	≤400	PASS
	3DH5	SISO	1	2.881	31.6	95	273.695	≤400	PASS

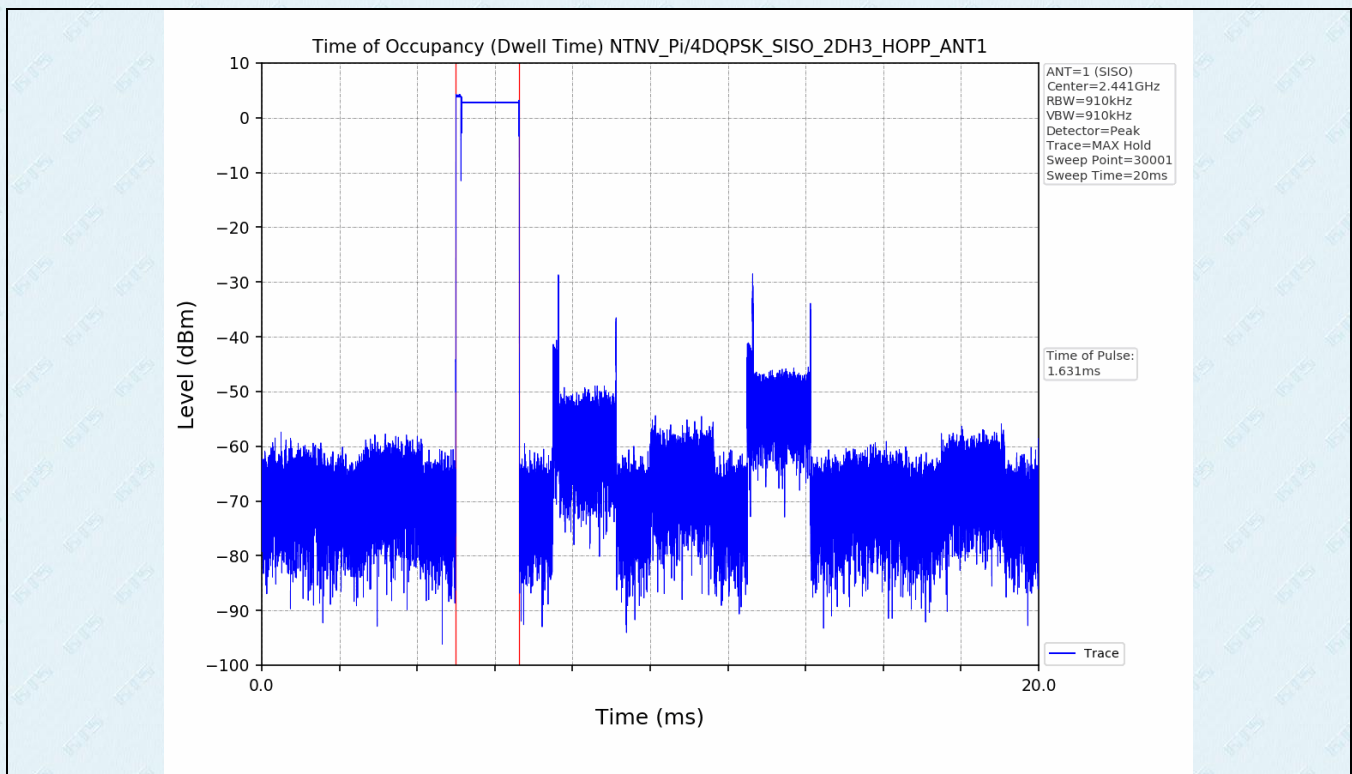
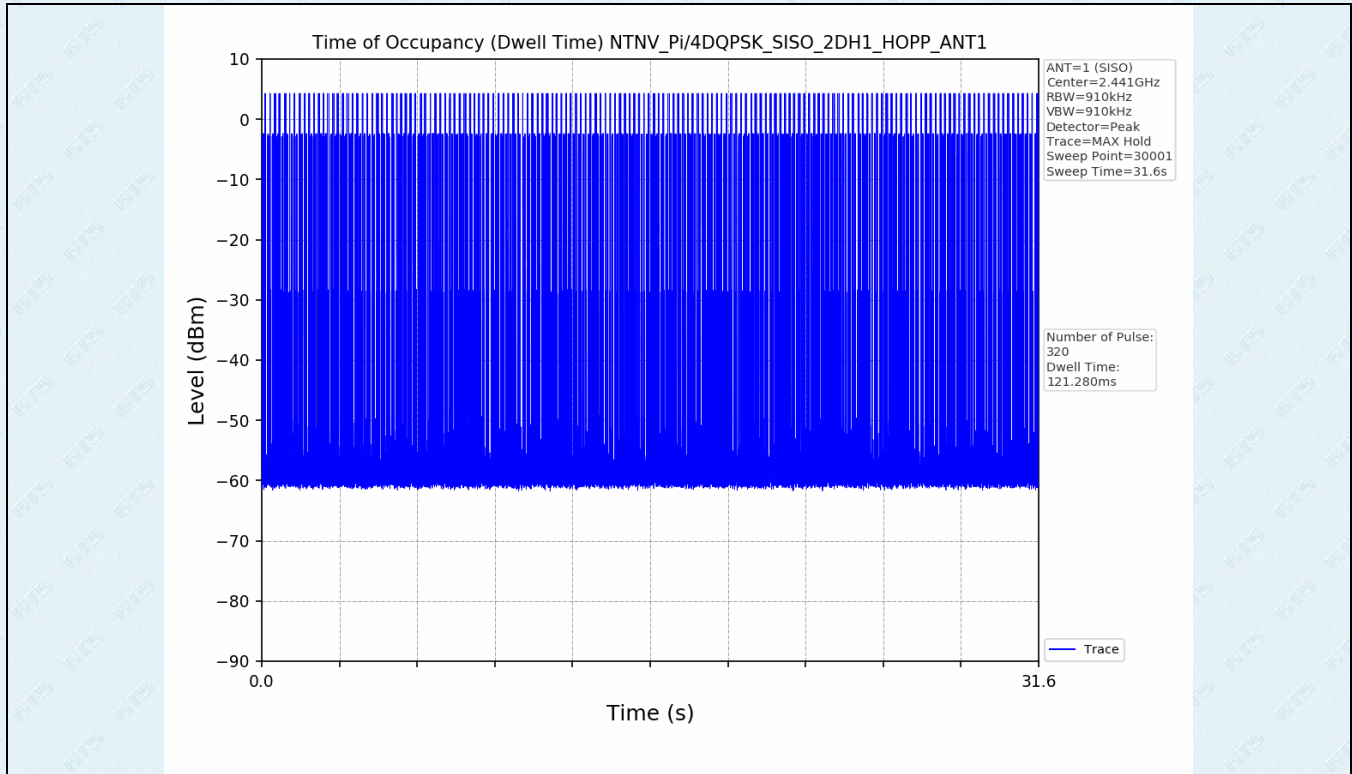
5.2 Test Graph

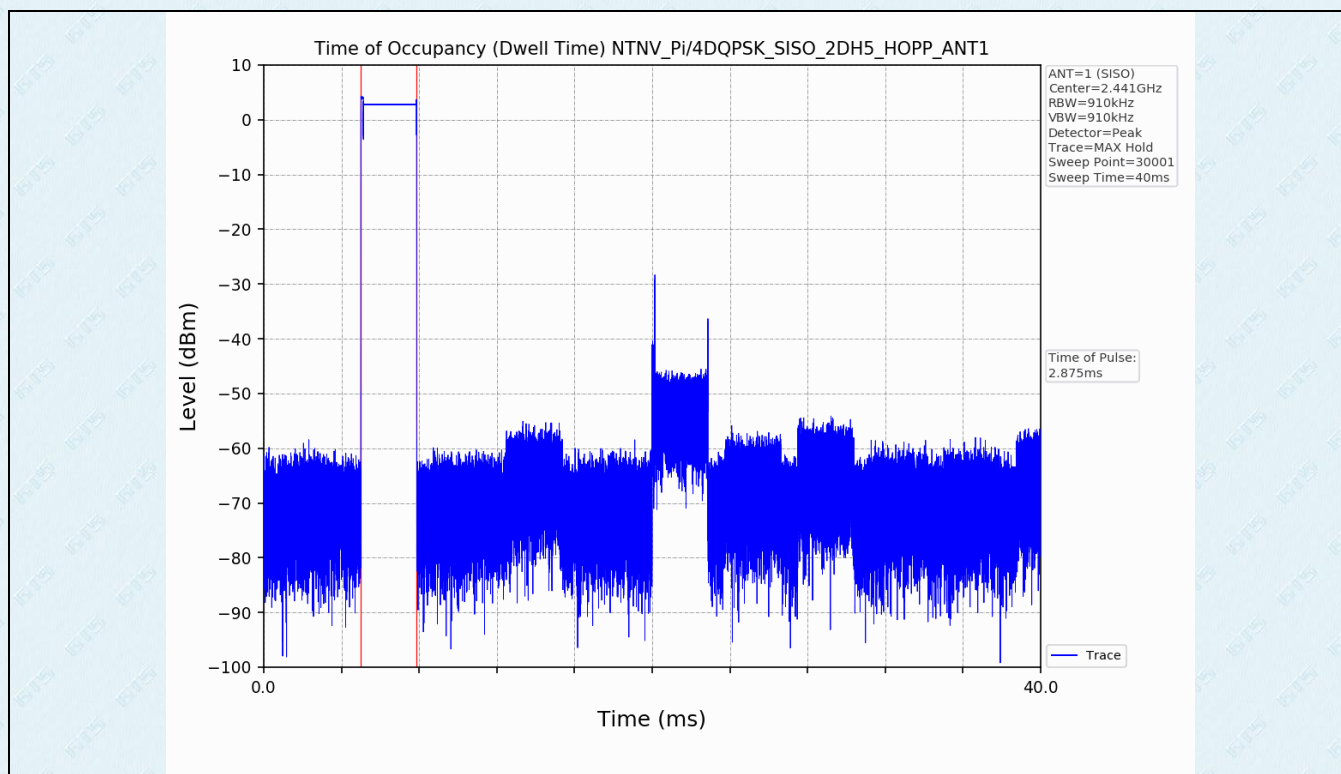
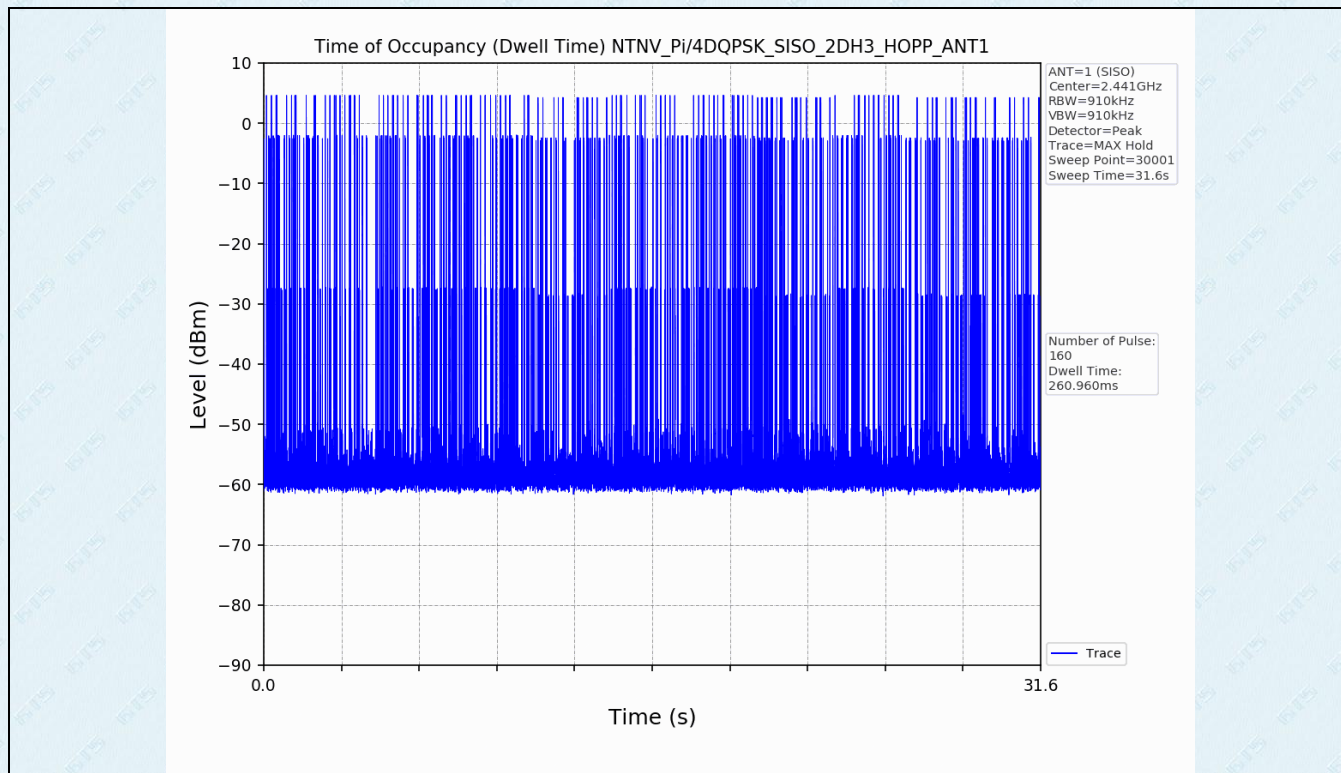


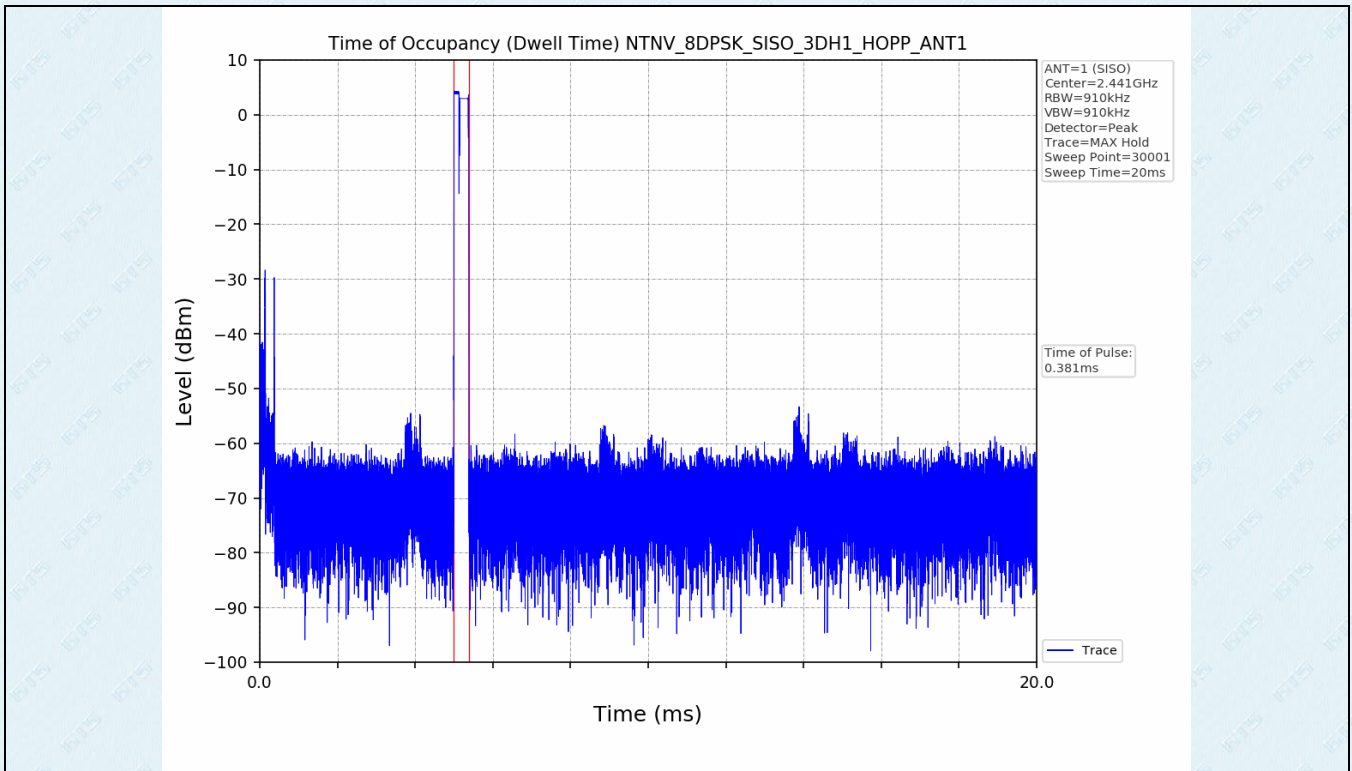
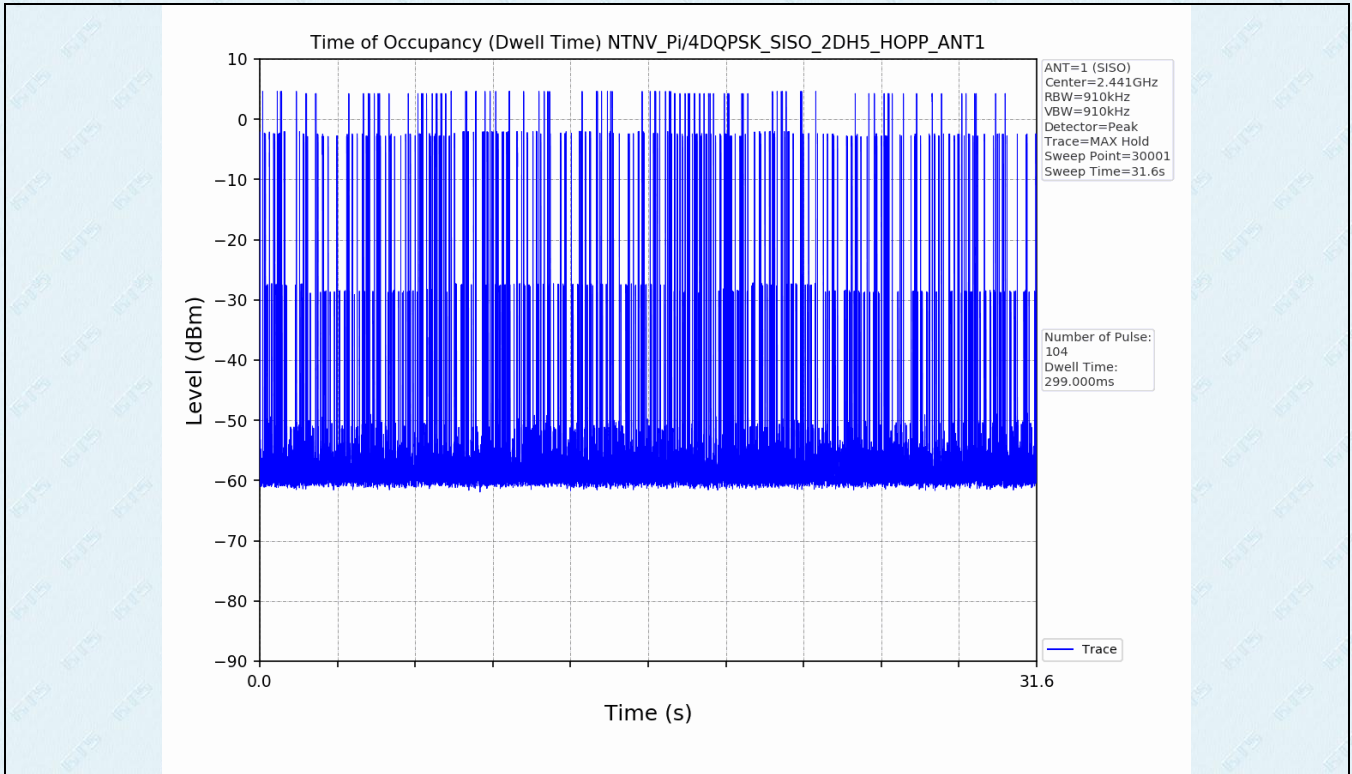


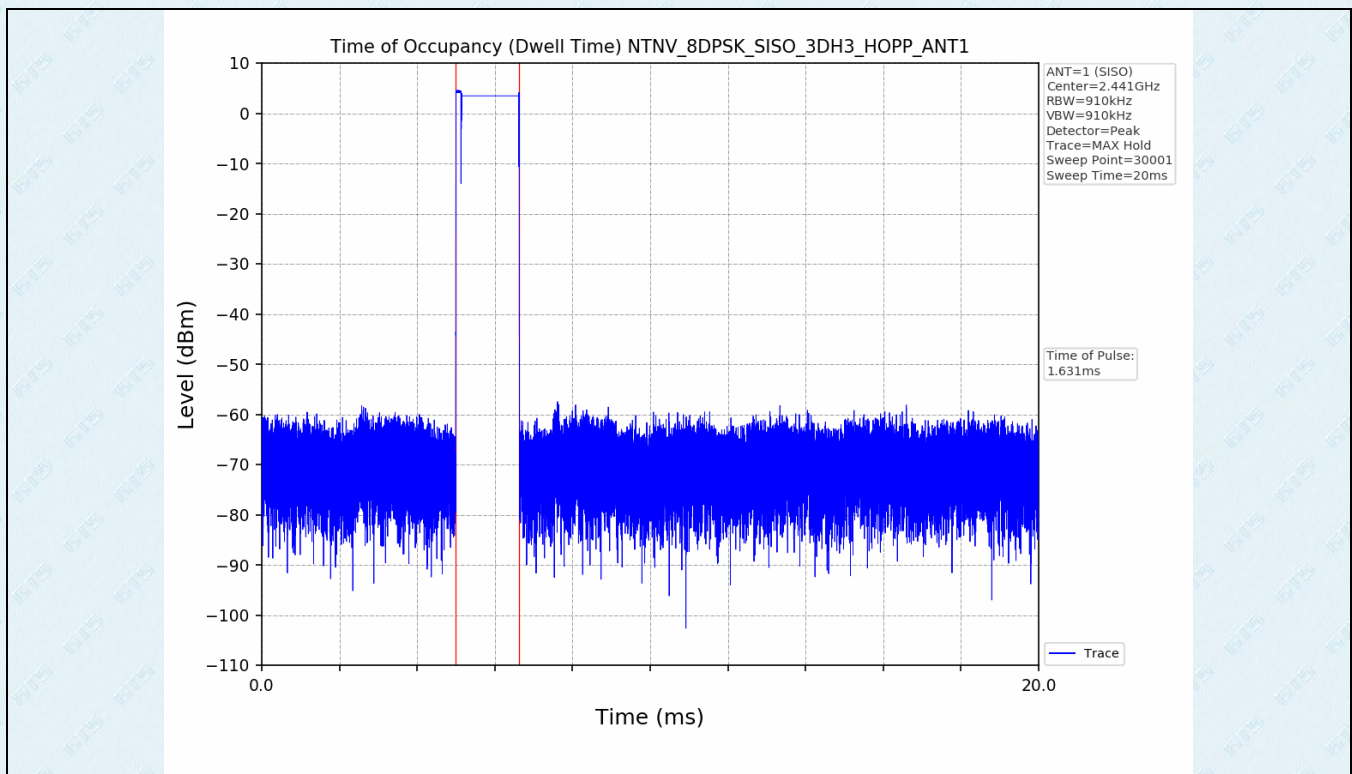
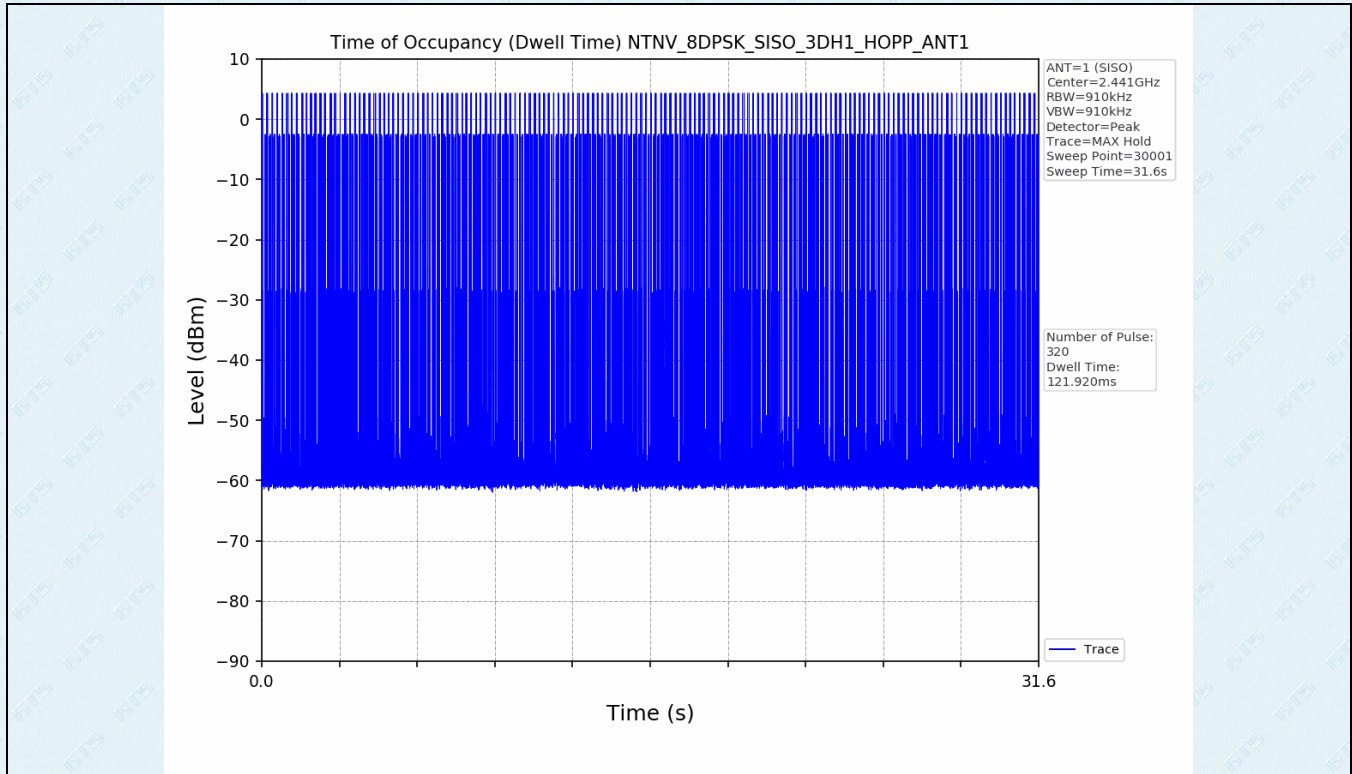


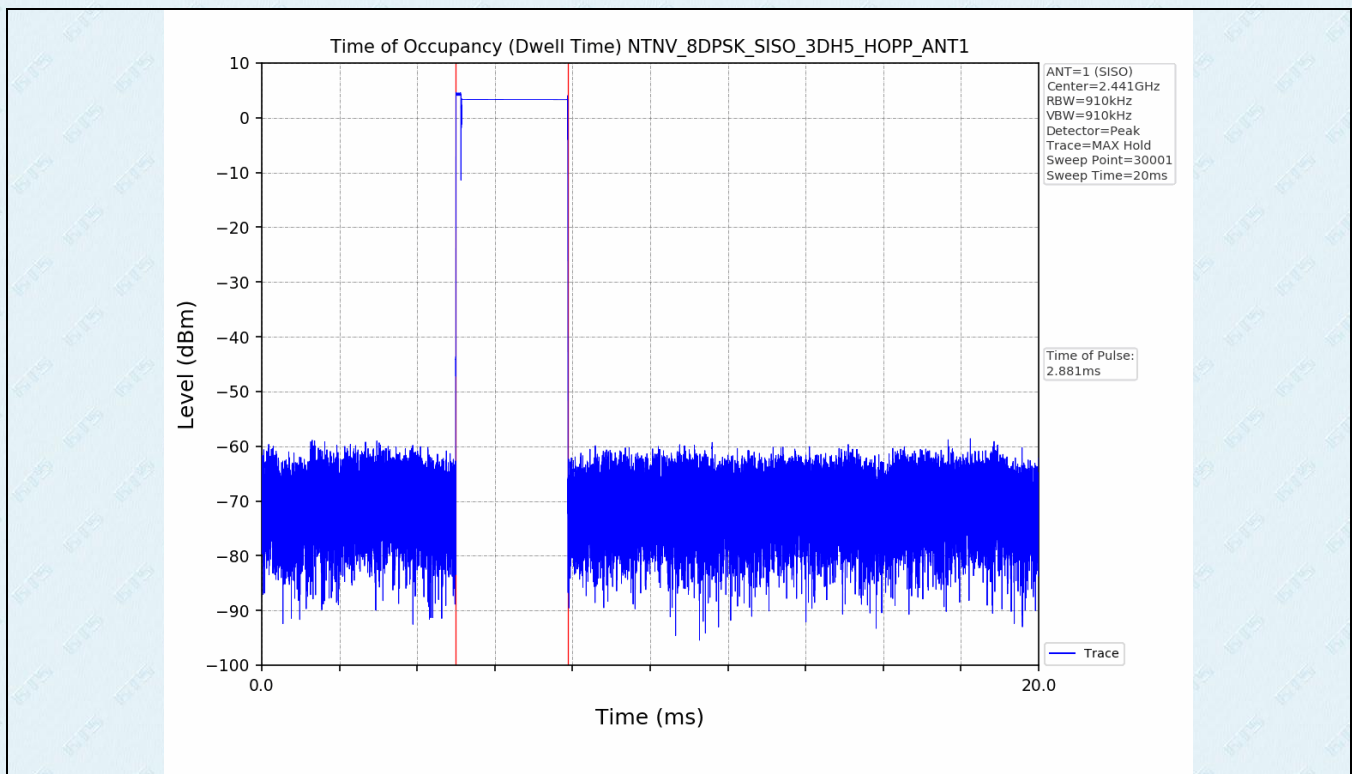
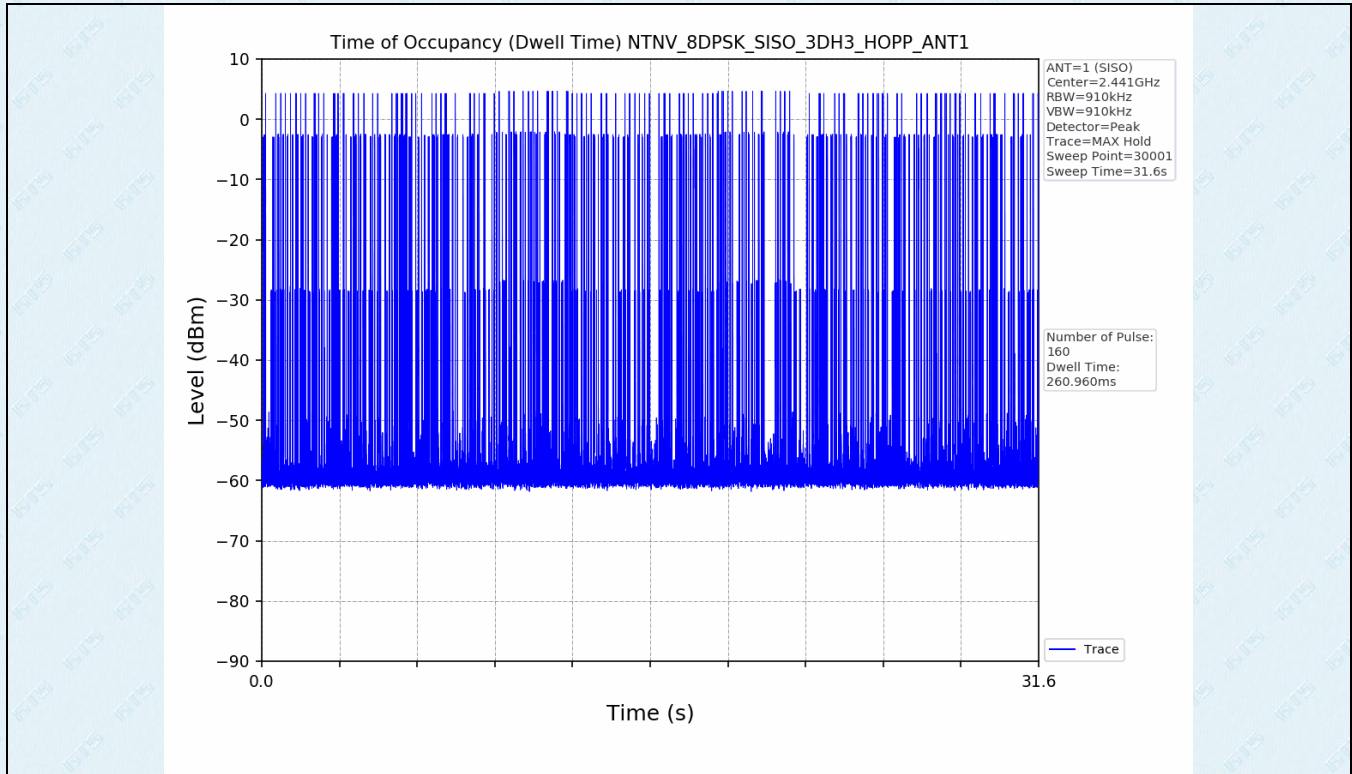


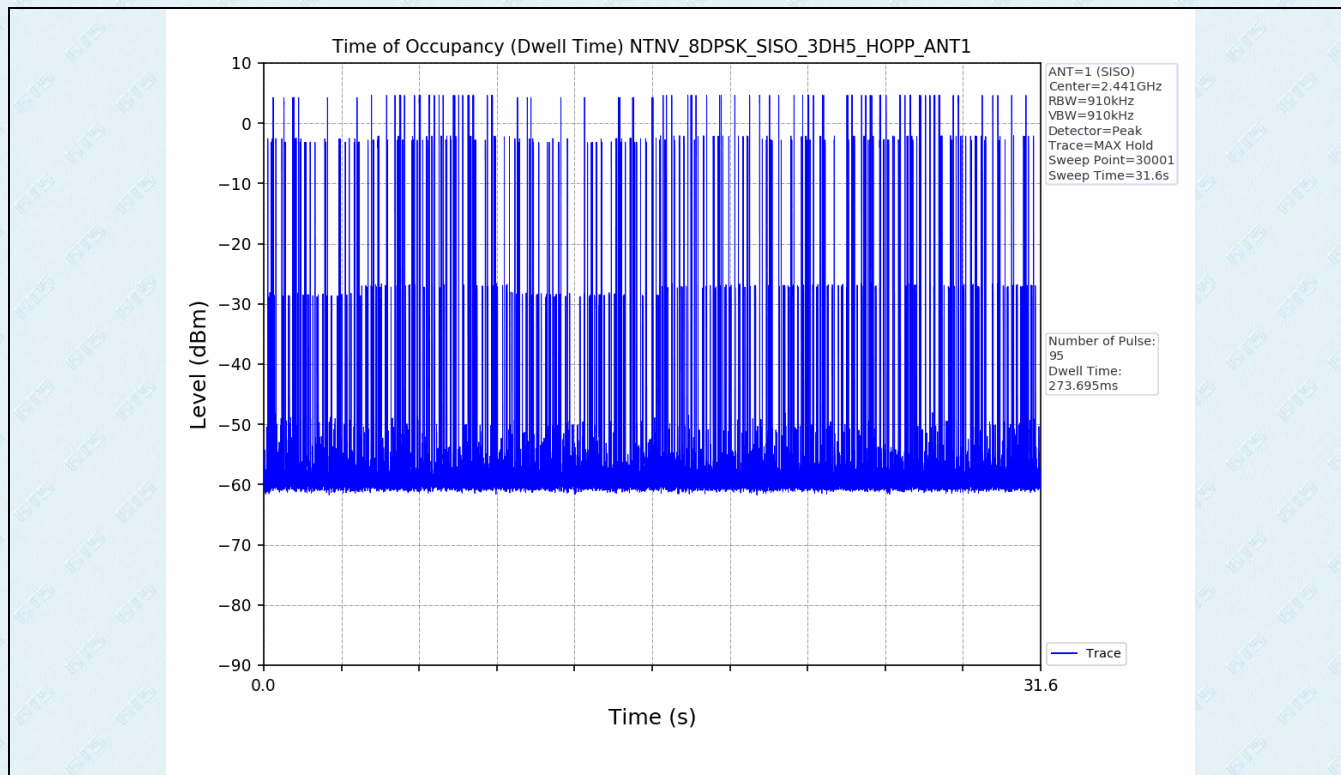










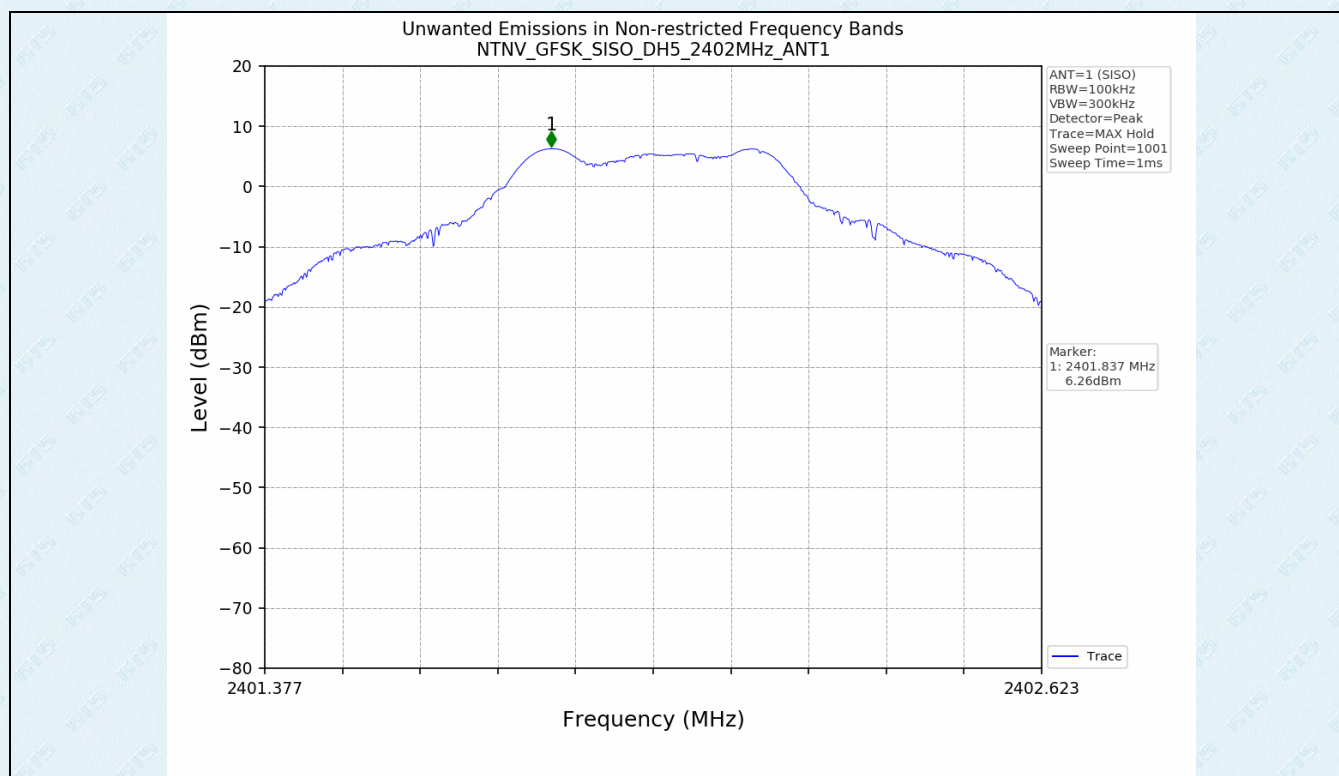


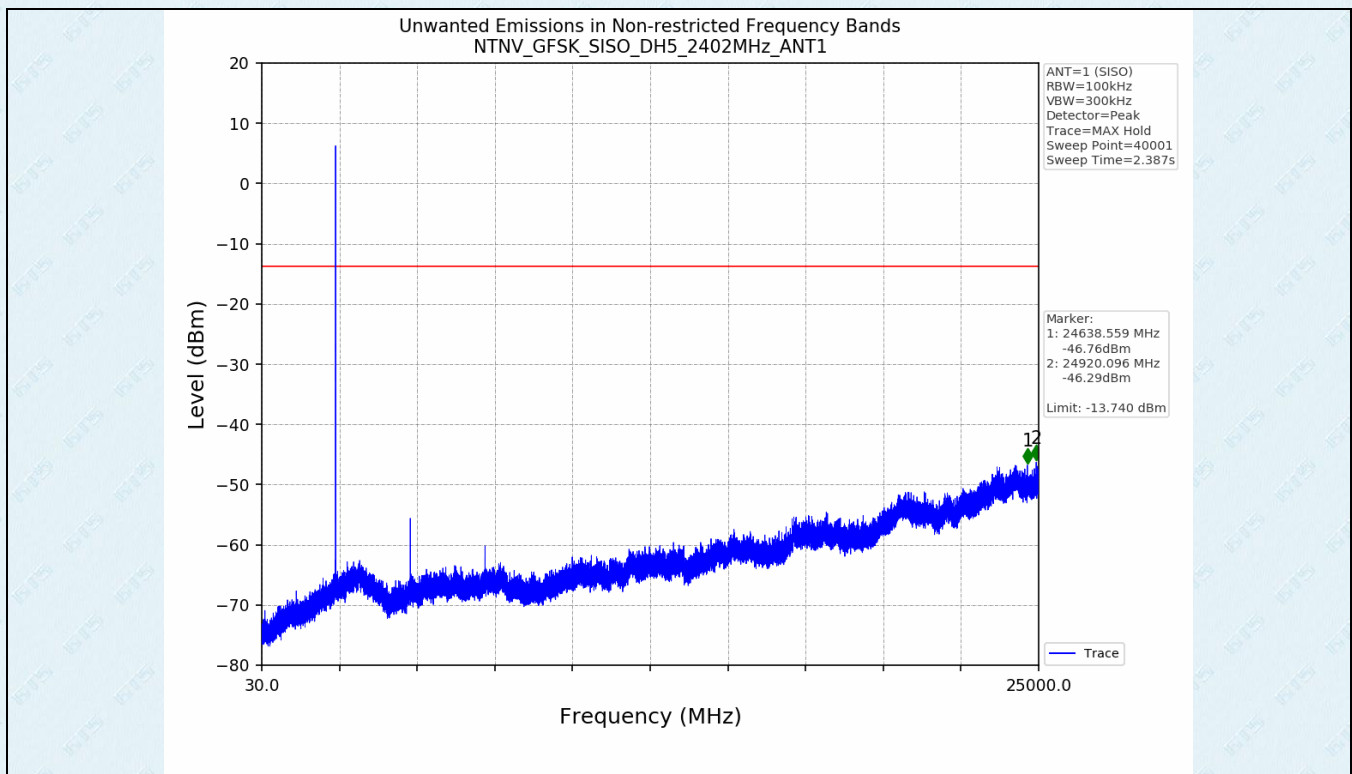
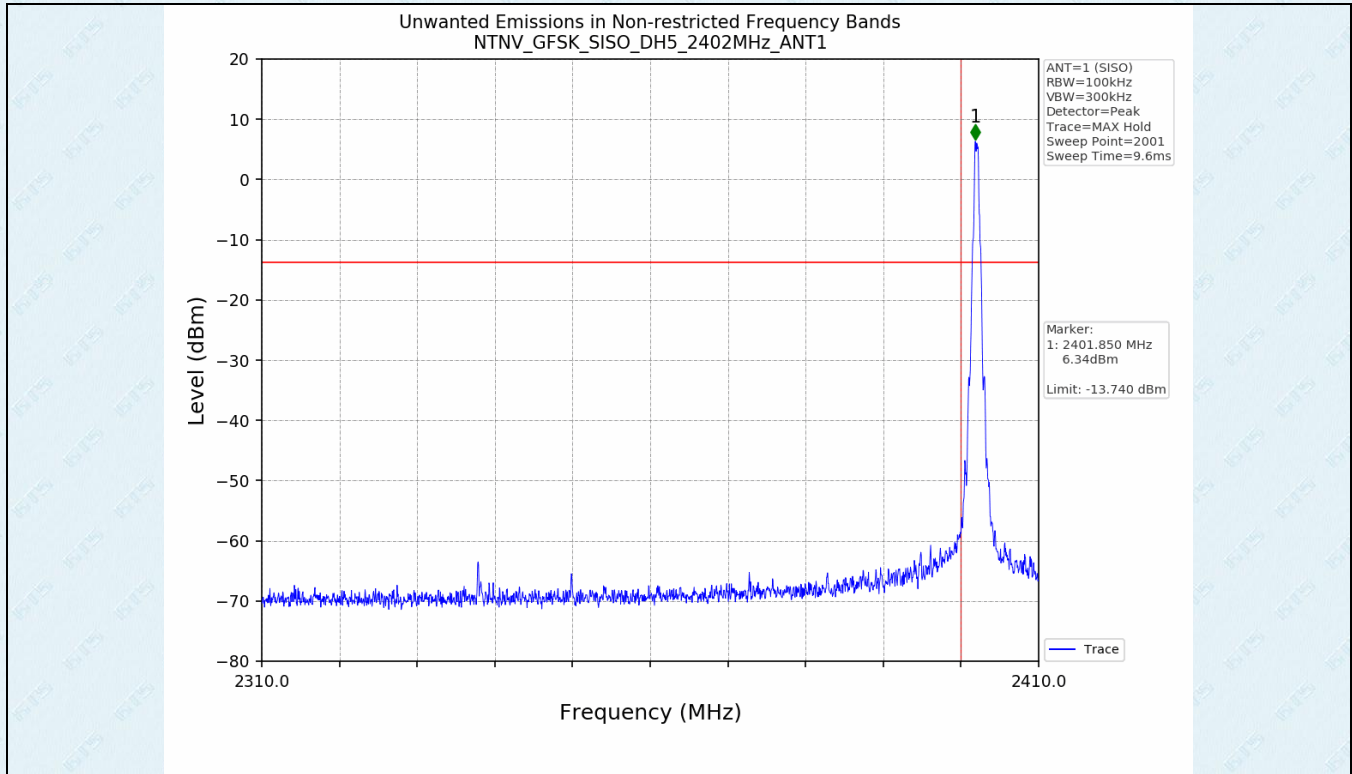
6. Unwanted Emissions in Non-restricted Frequency Bands

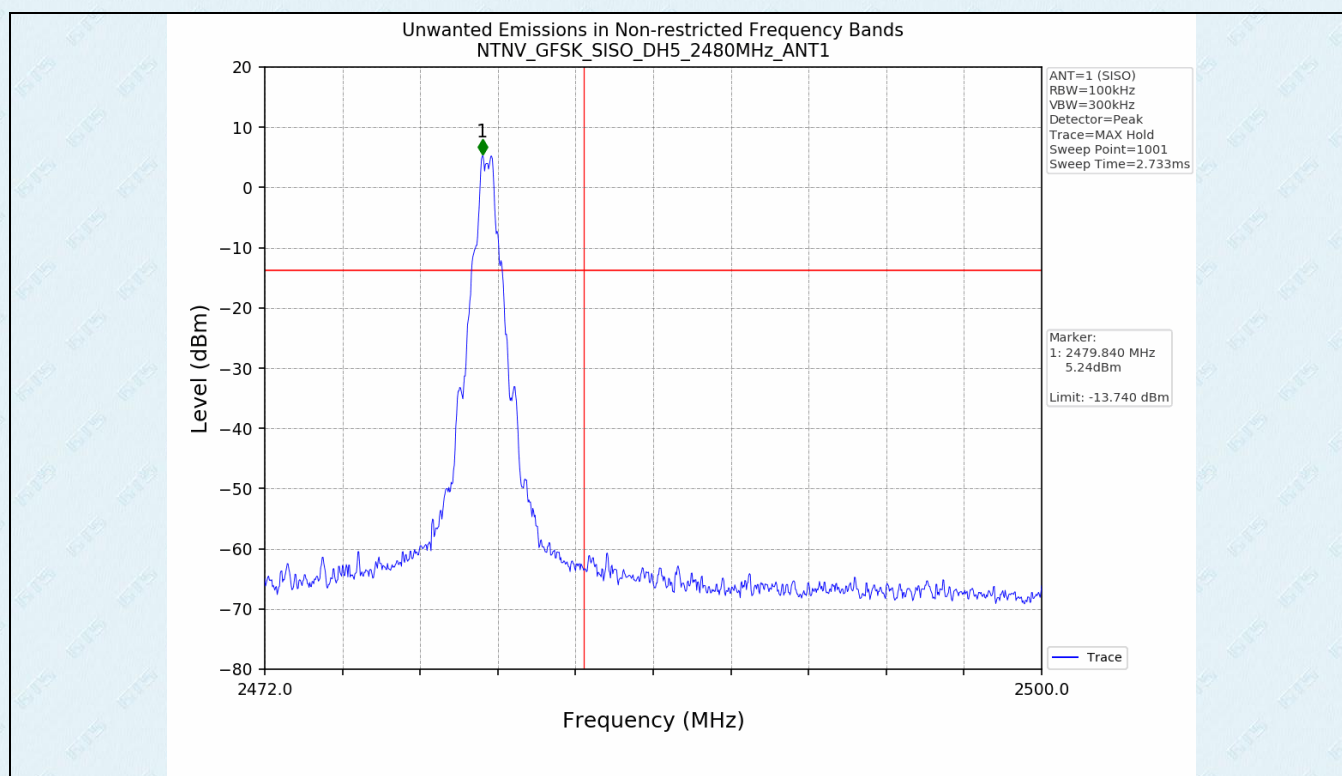
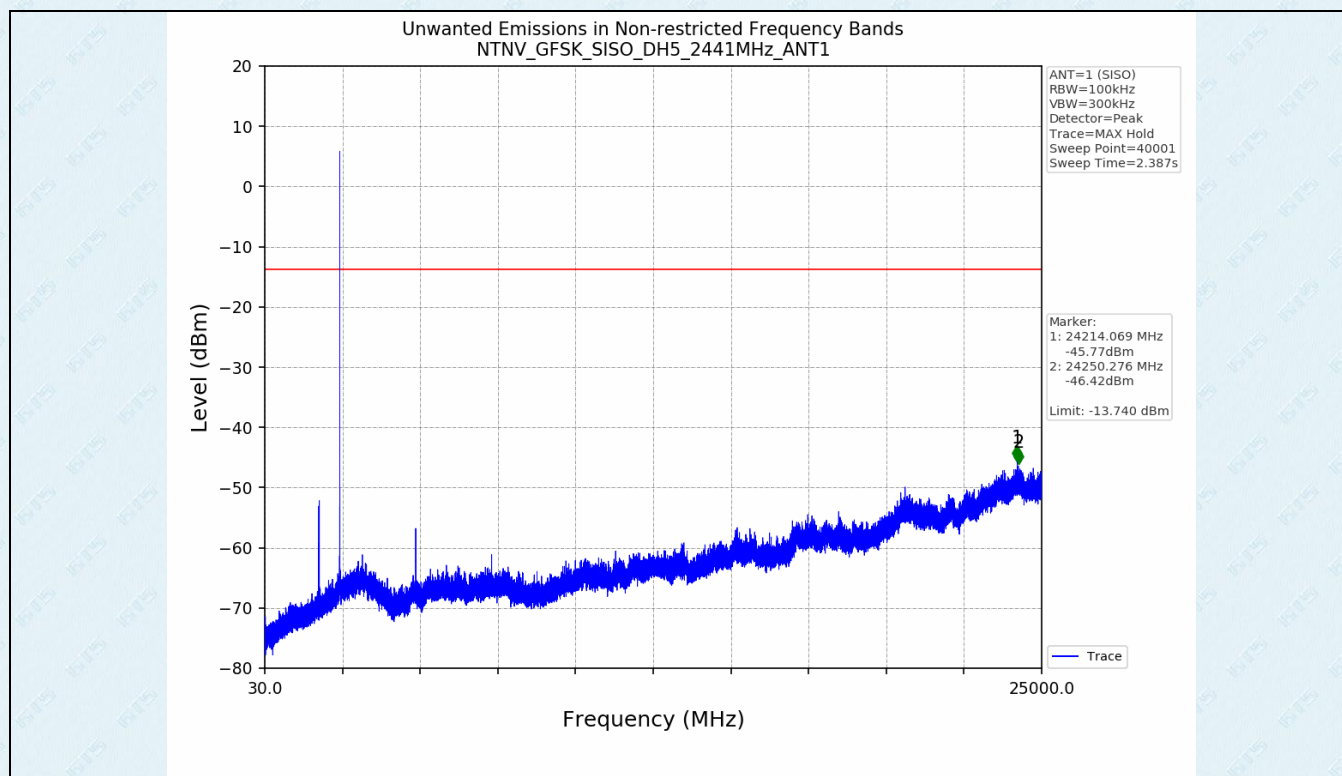
6.1 Test Result

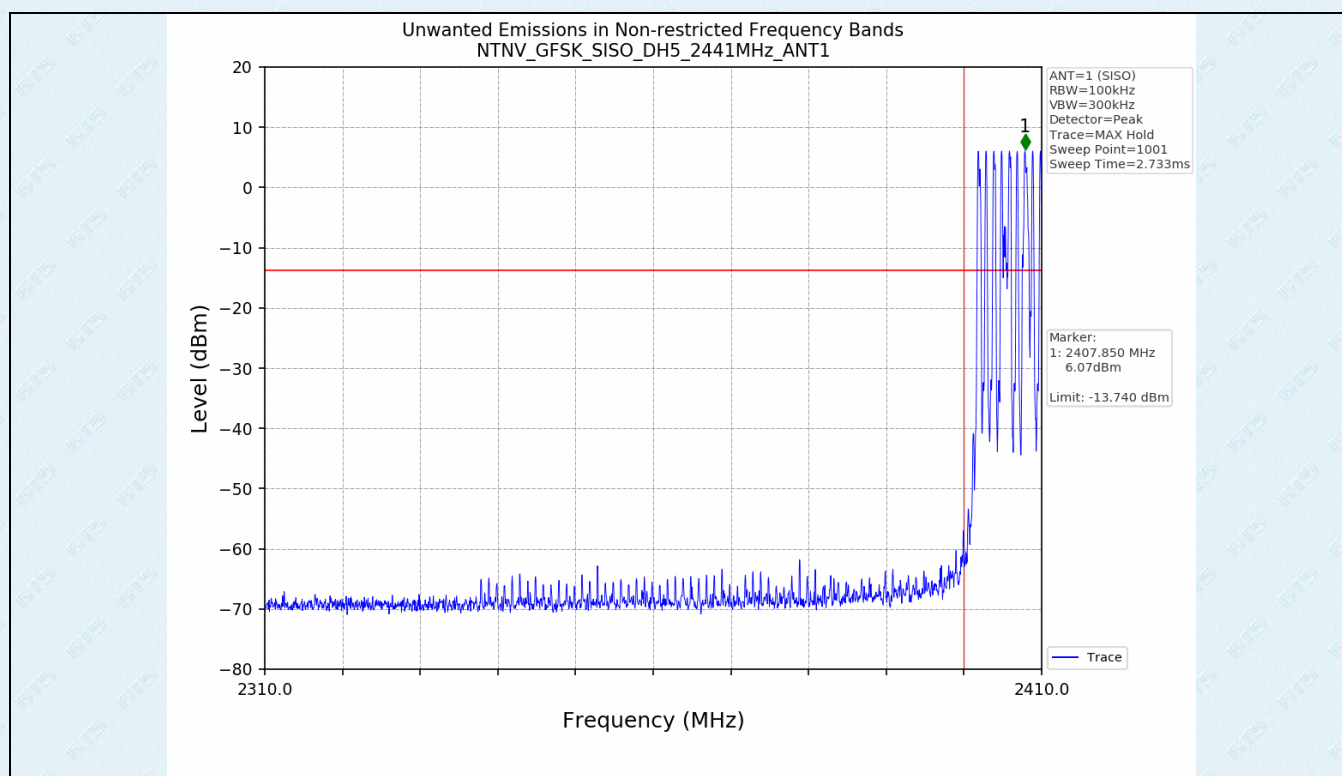
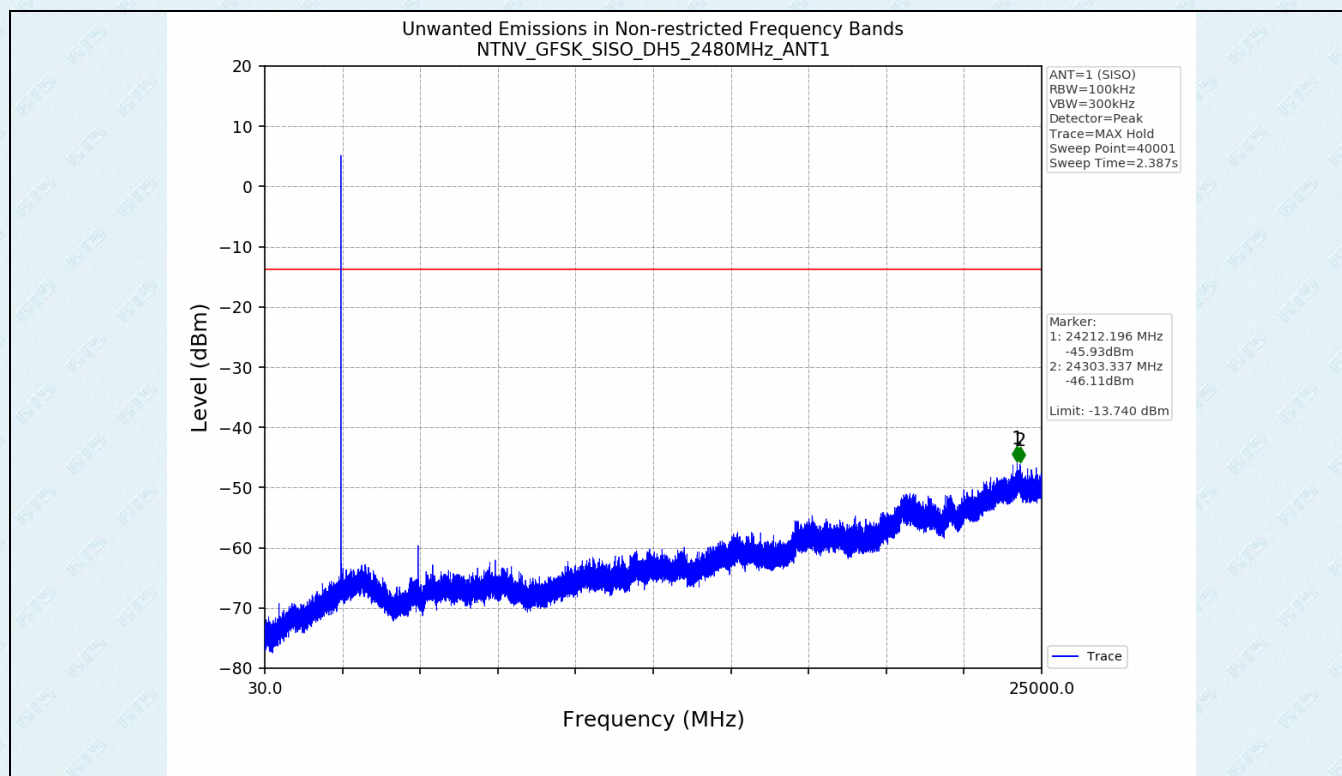
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-13.74	PASS
	2441	SISO	1	Refer to test graph	-13.74	PASS
	2480	SISO	1	Refer to test graph	-13.74	PASS
	Hopping	SISO	1	Refer to test graph	-13.74	PASS
$\pi/4$ -DQPSK	2402	SISO	1	Refer to test graph	-15.21	PASS
	2441	SISO	1	Refer to test graph	-15.21	PASS
	2480	SISO	1	Refer to test graph	-15.21	PASS
	Hopping	SISO	1	Refer to test graph	-15.21	PASS
8-DPSK	2402	SISO	1	Refer to test graph	-15.52	PASS
	2441	SISO	1	Refer to test graph	-15.52	PASS
	2480	SISO	1	Refer to test graph	-15.52	PASS
	Hopping	SISO	1	Refer to test graph	-15.52	PASS

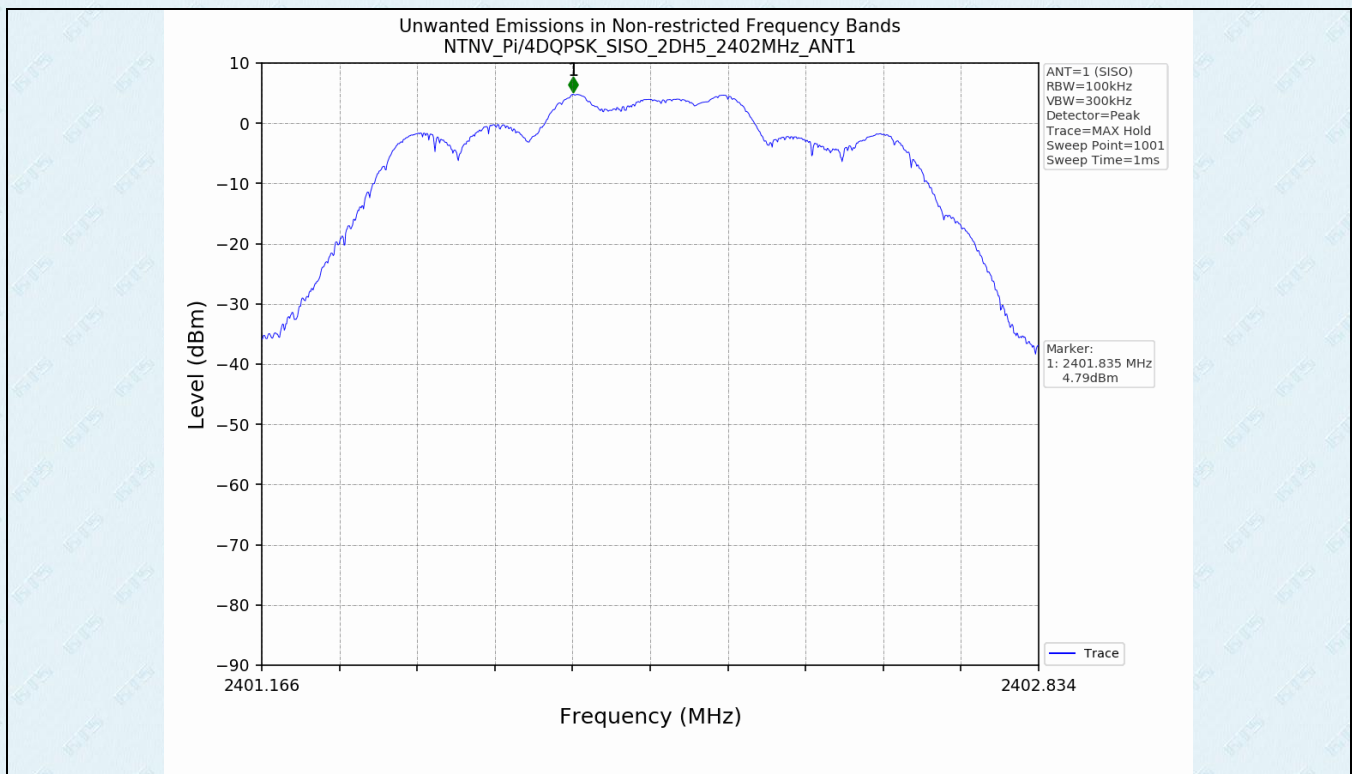
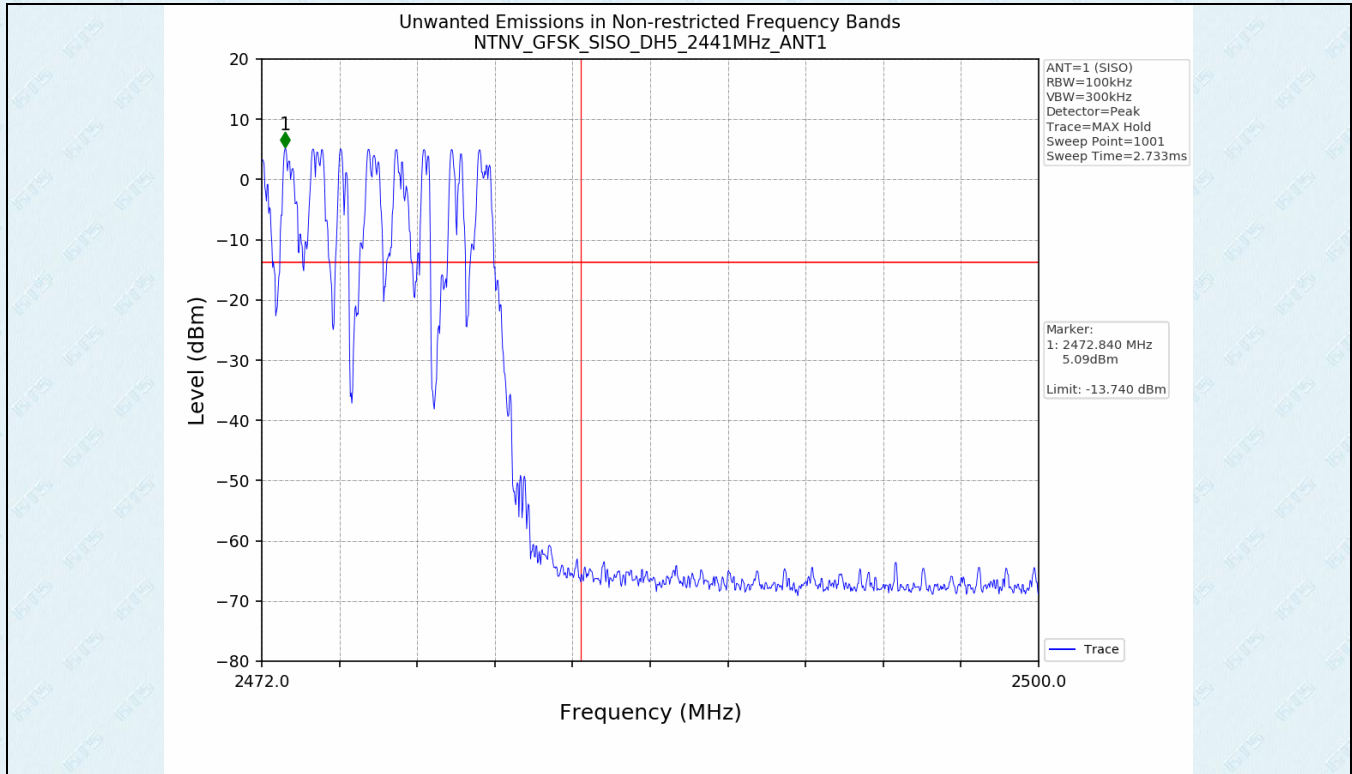
6.2 Test Graph

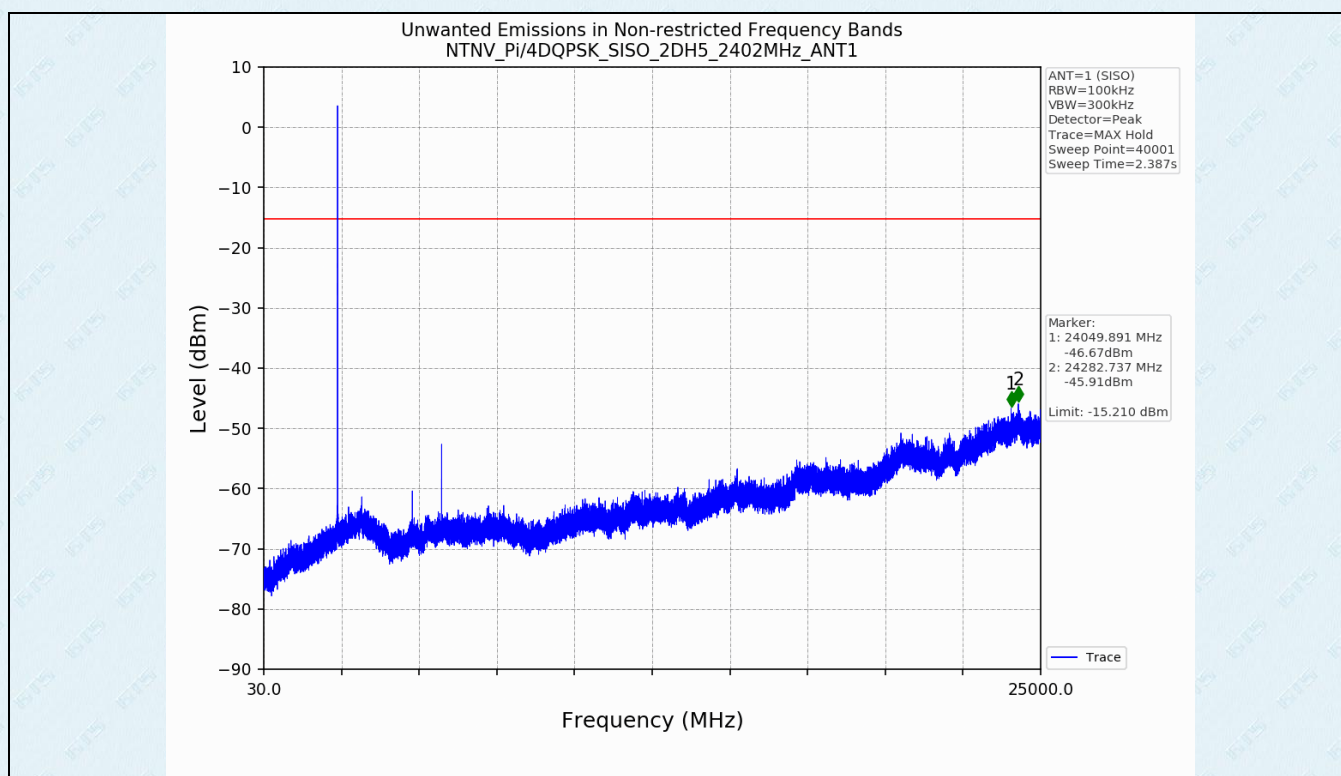
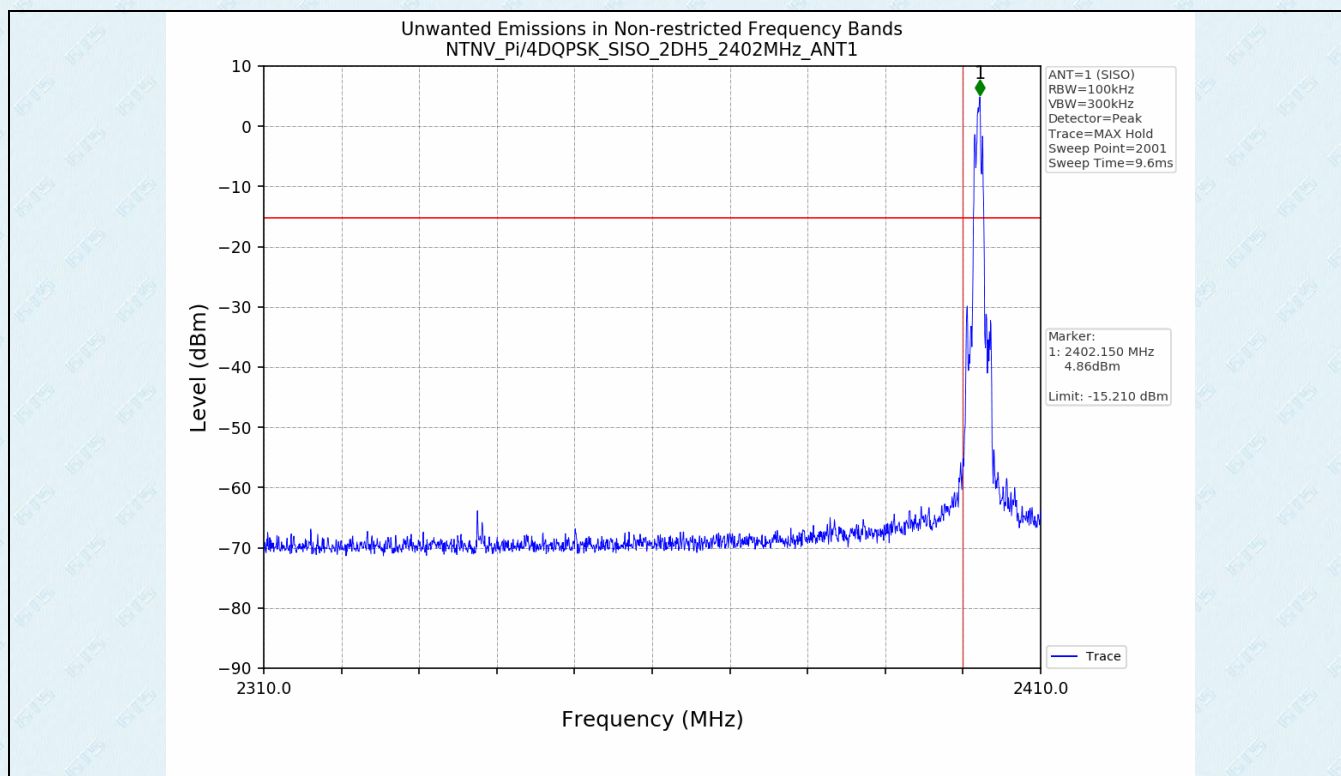


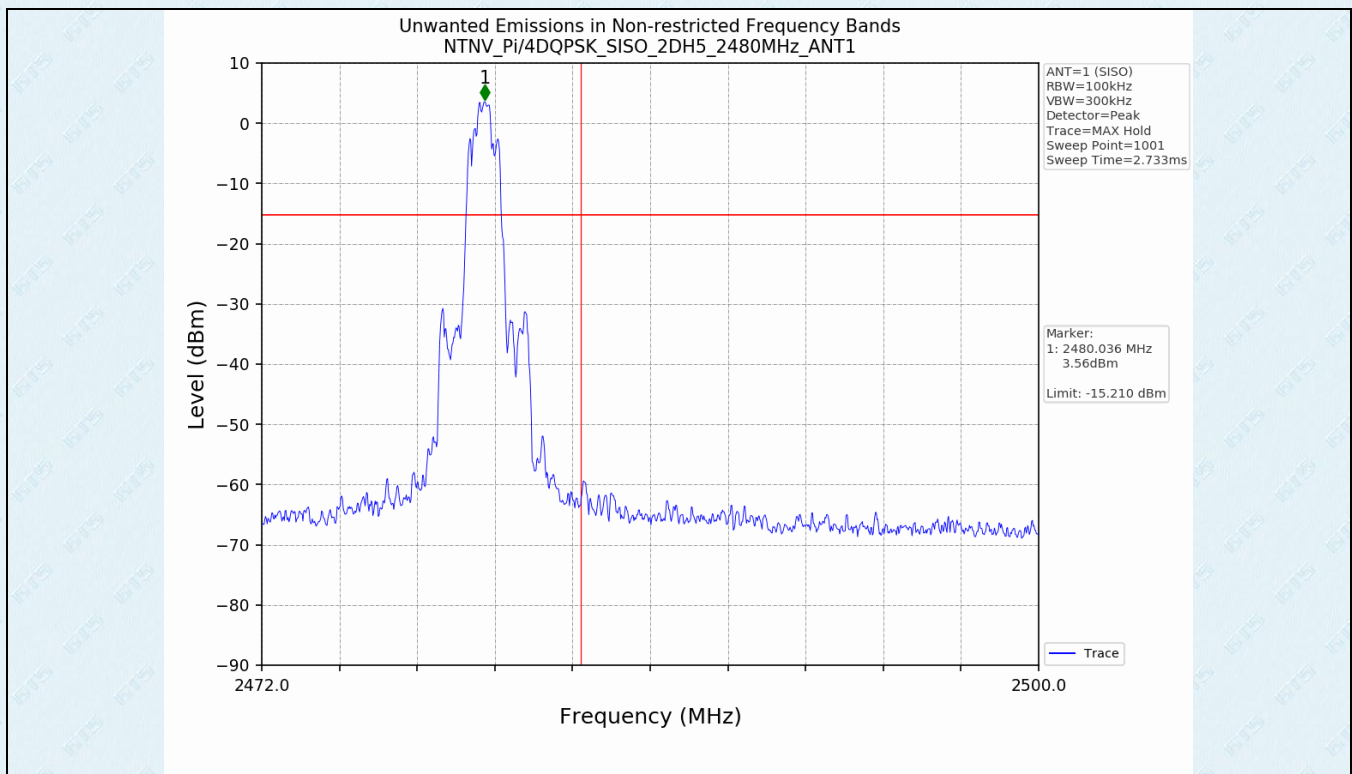
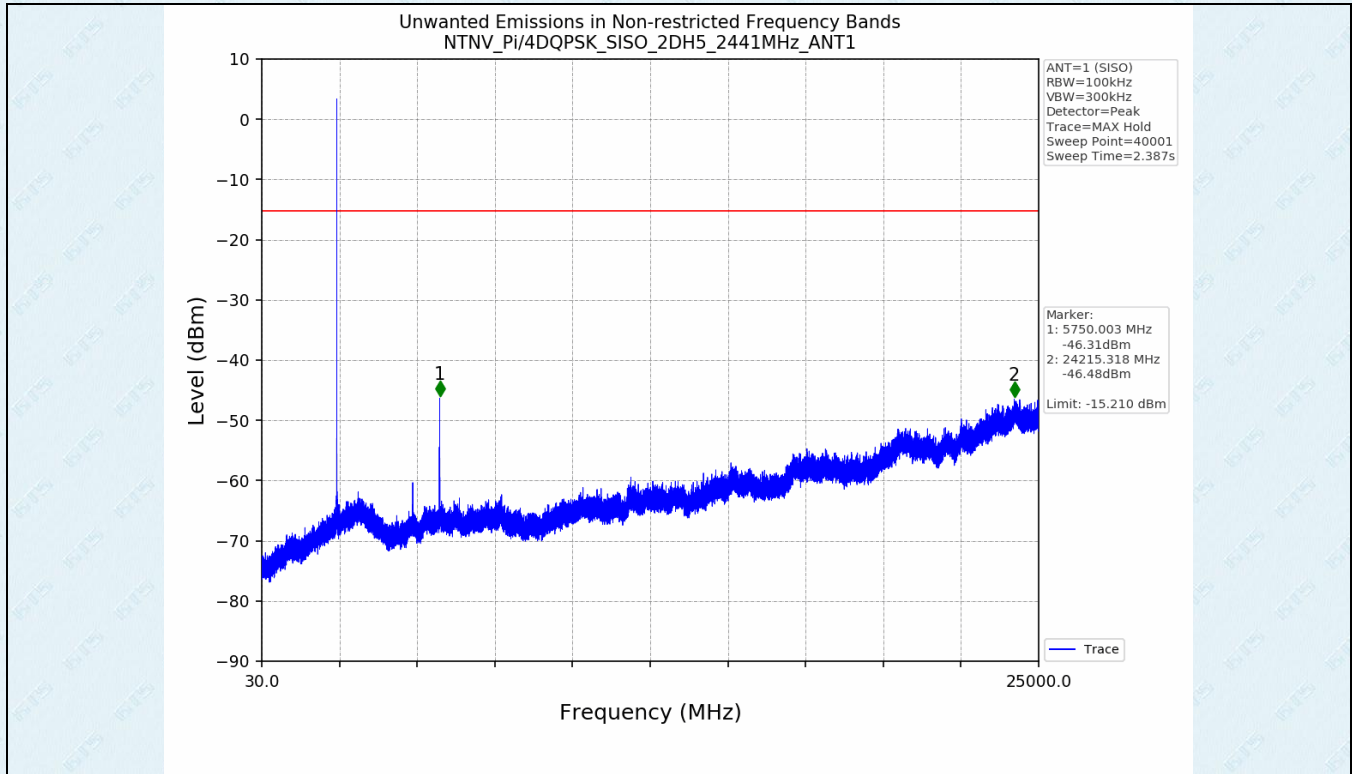


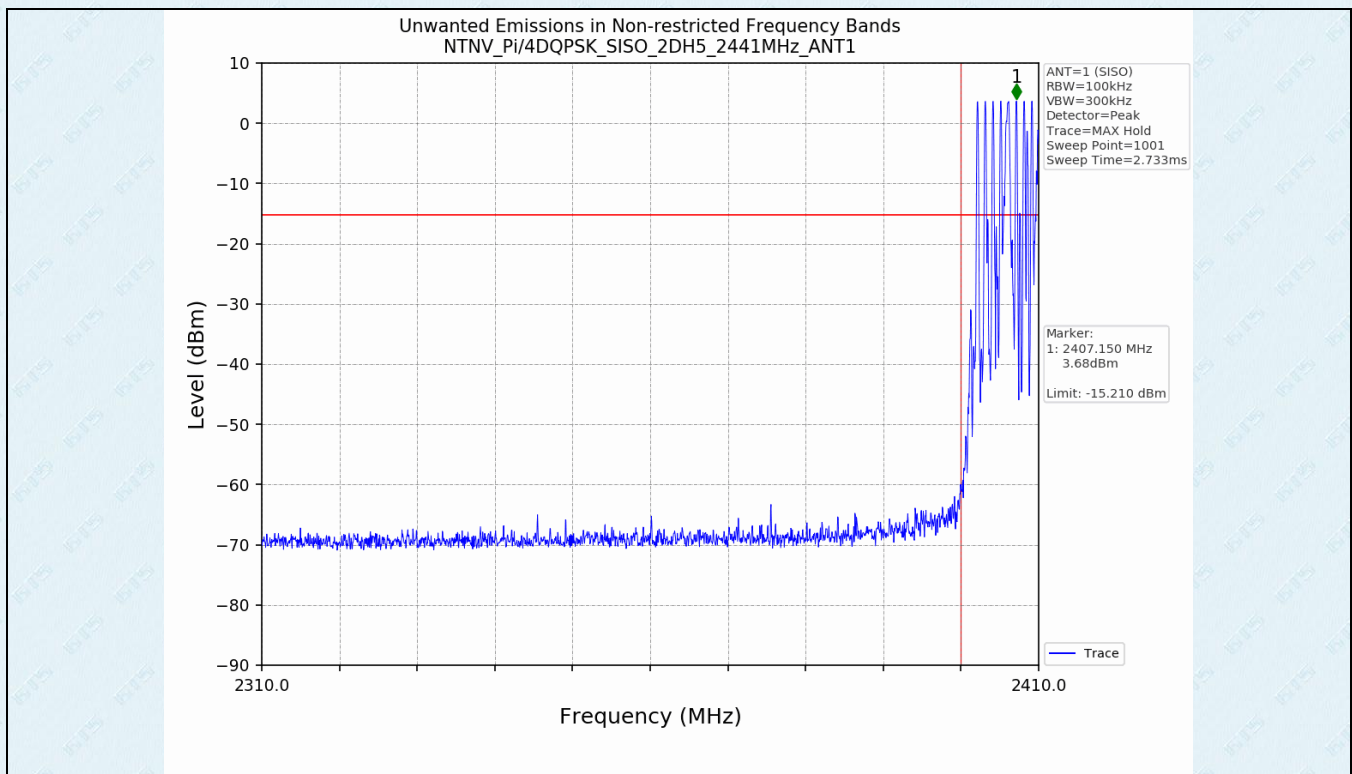
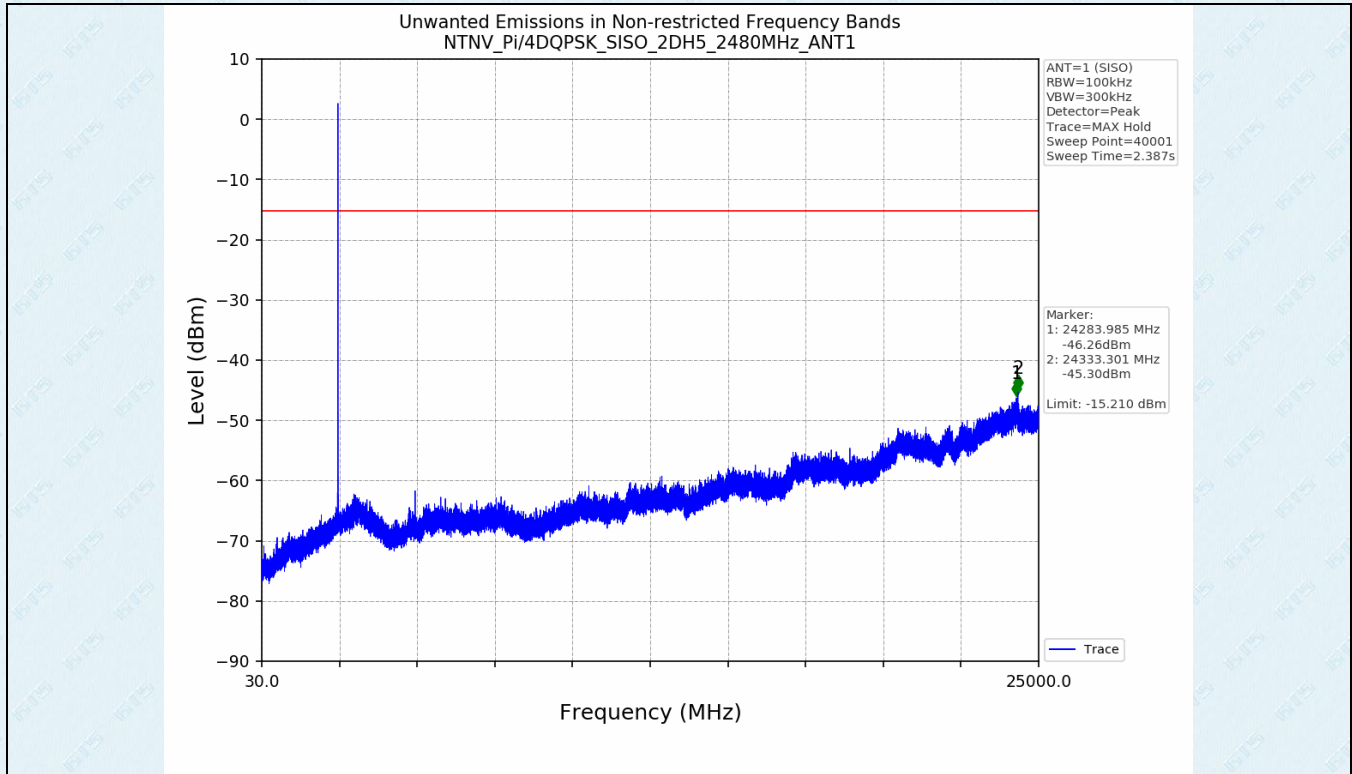


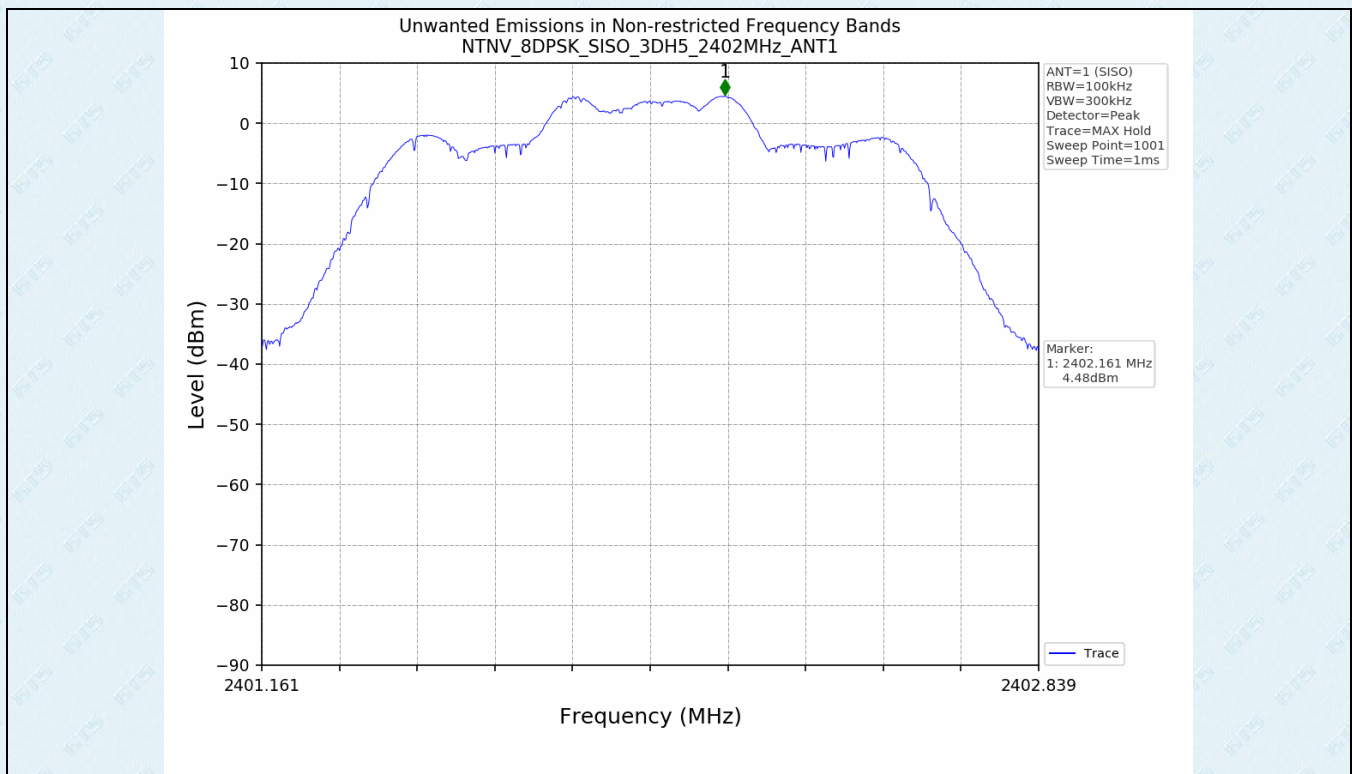
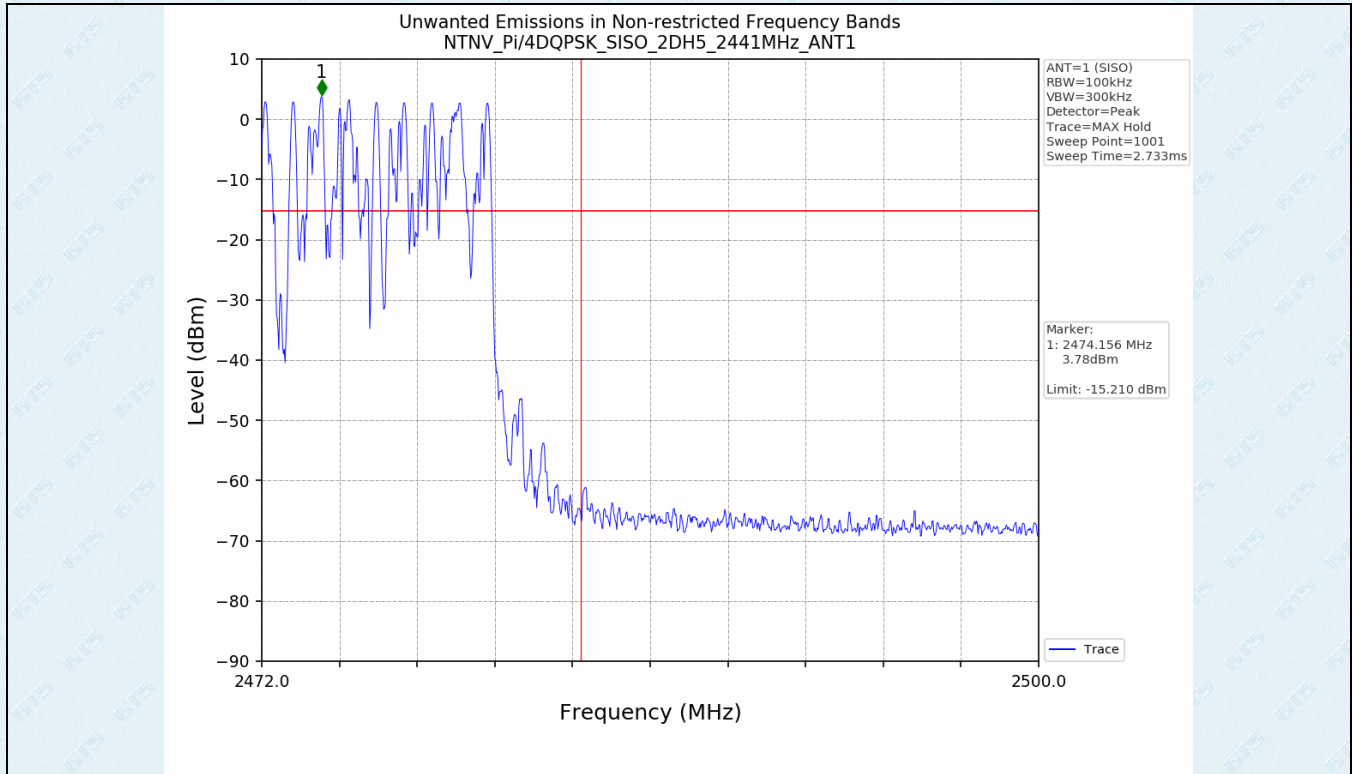


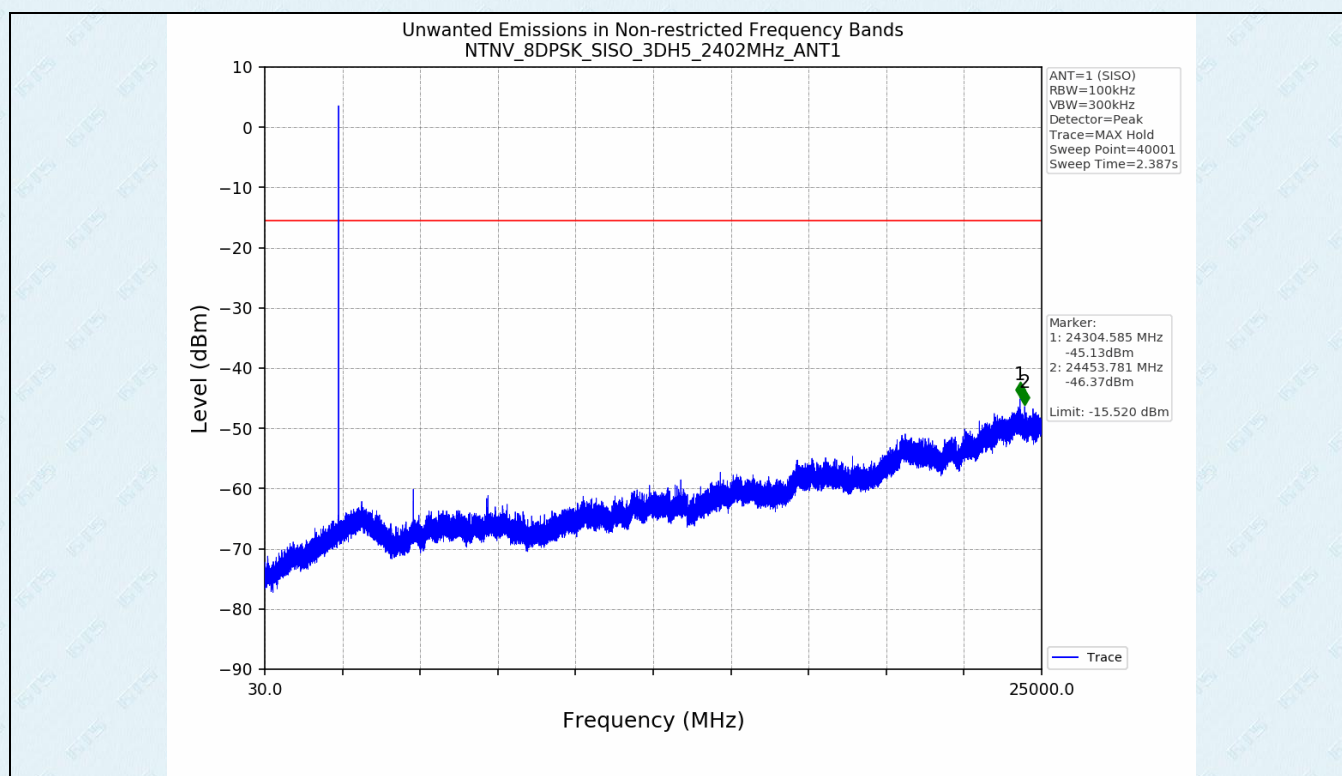
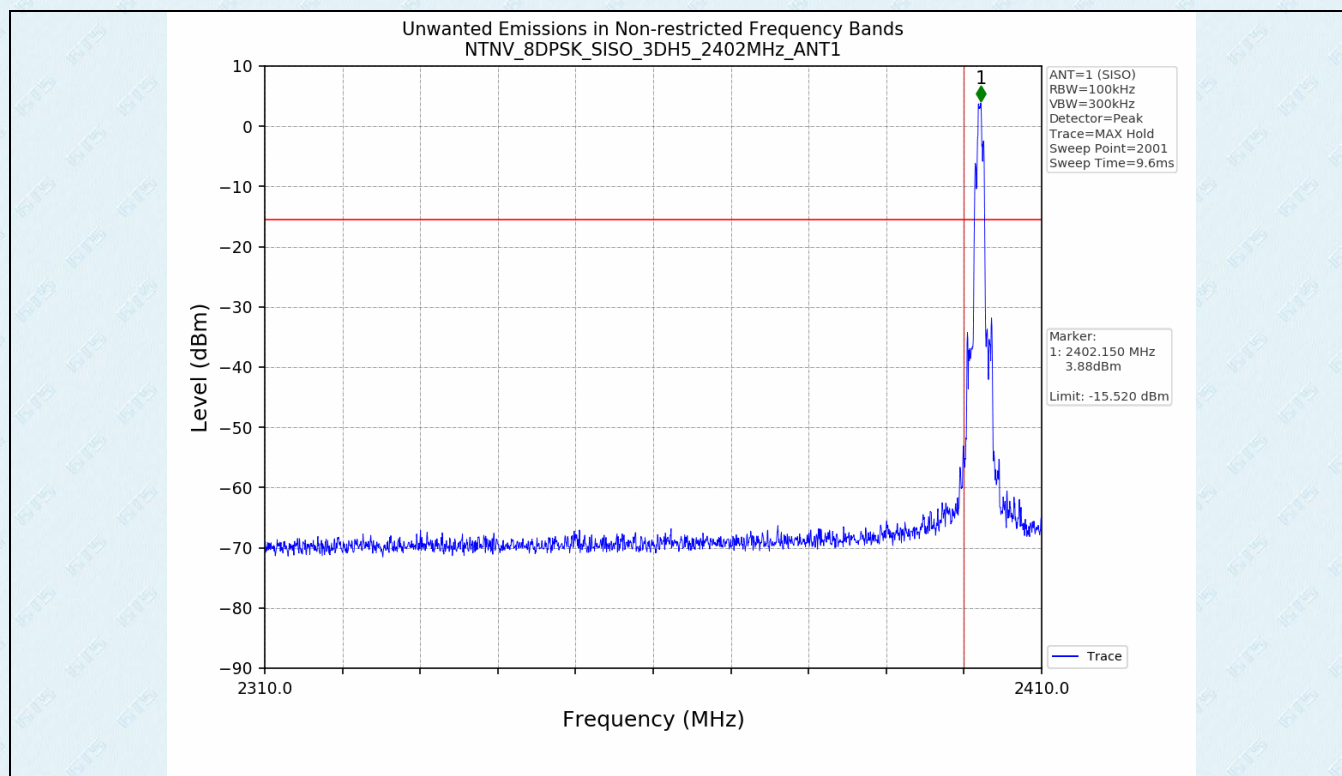


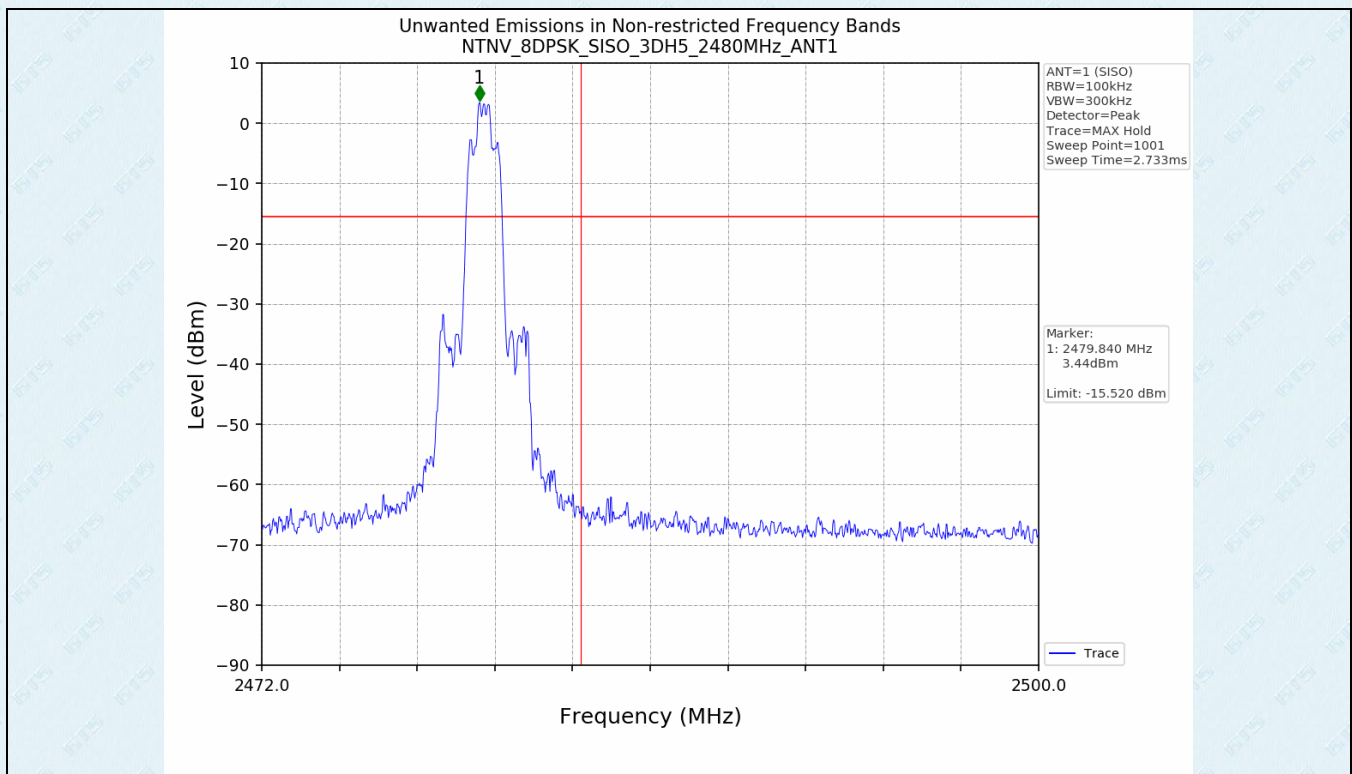
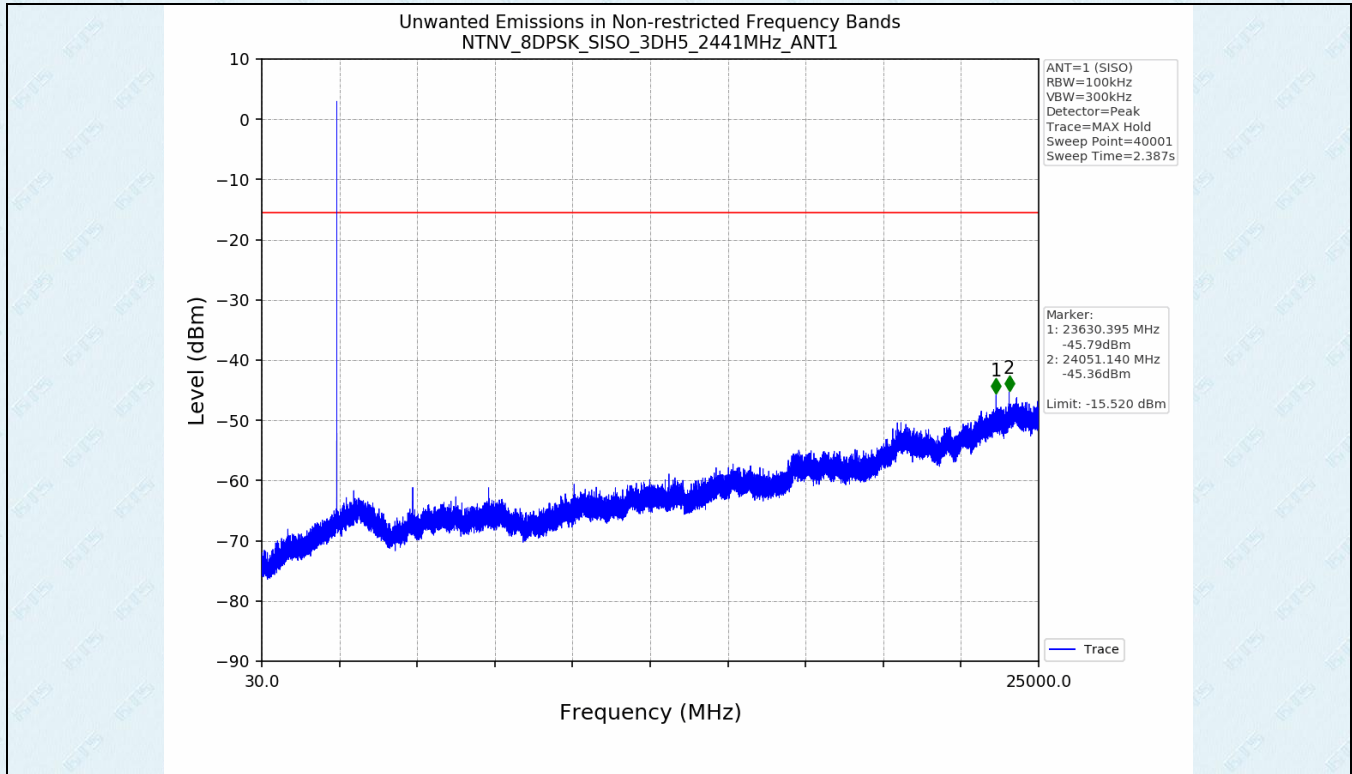


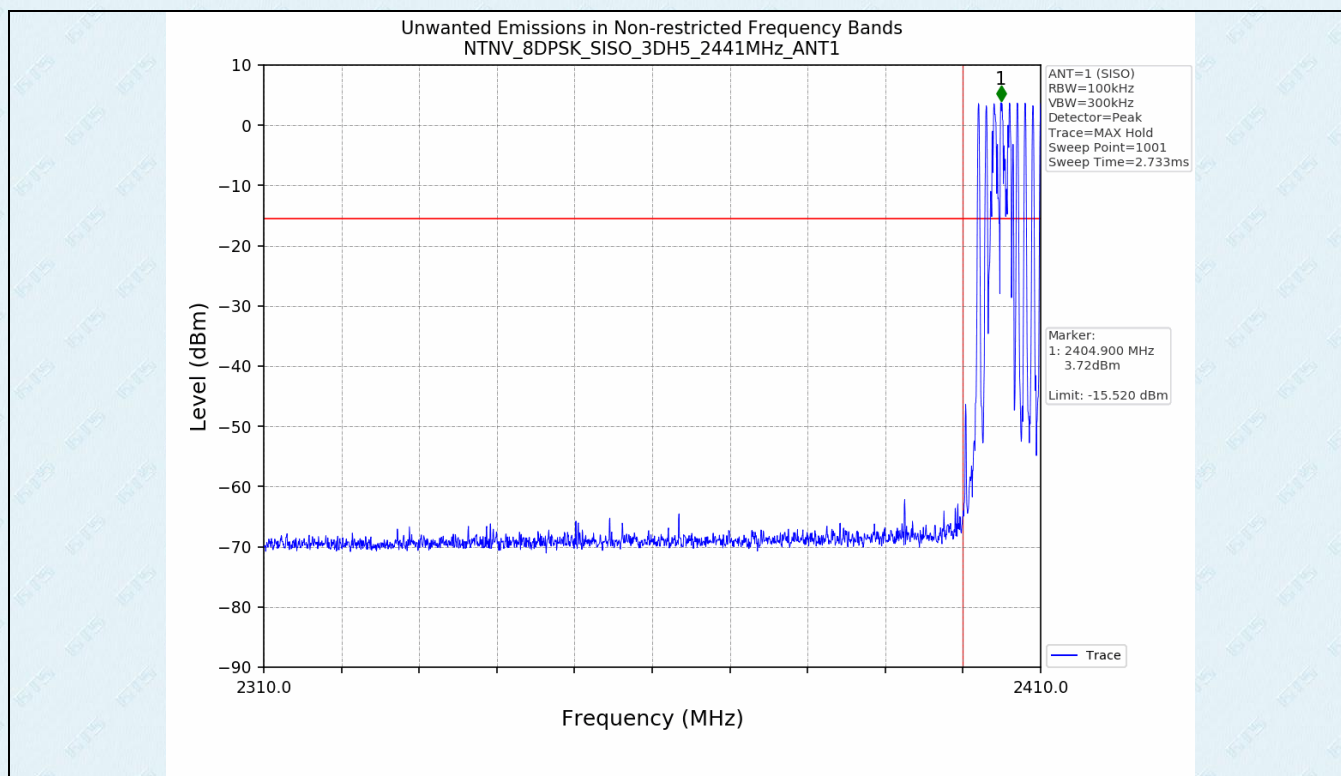
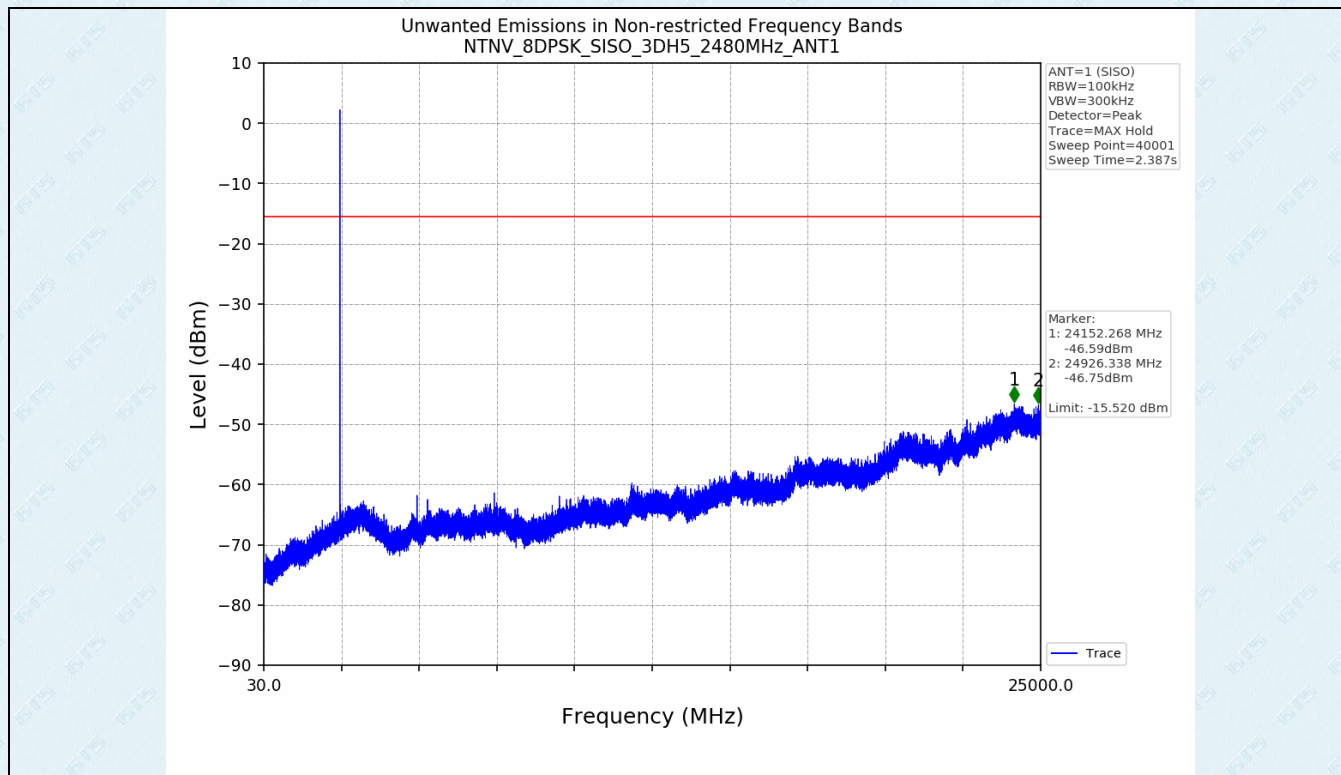


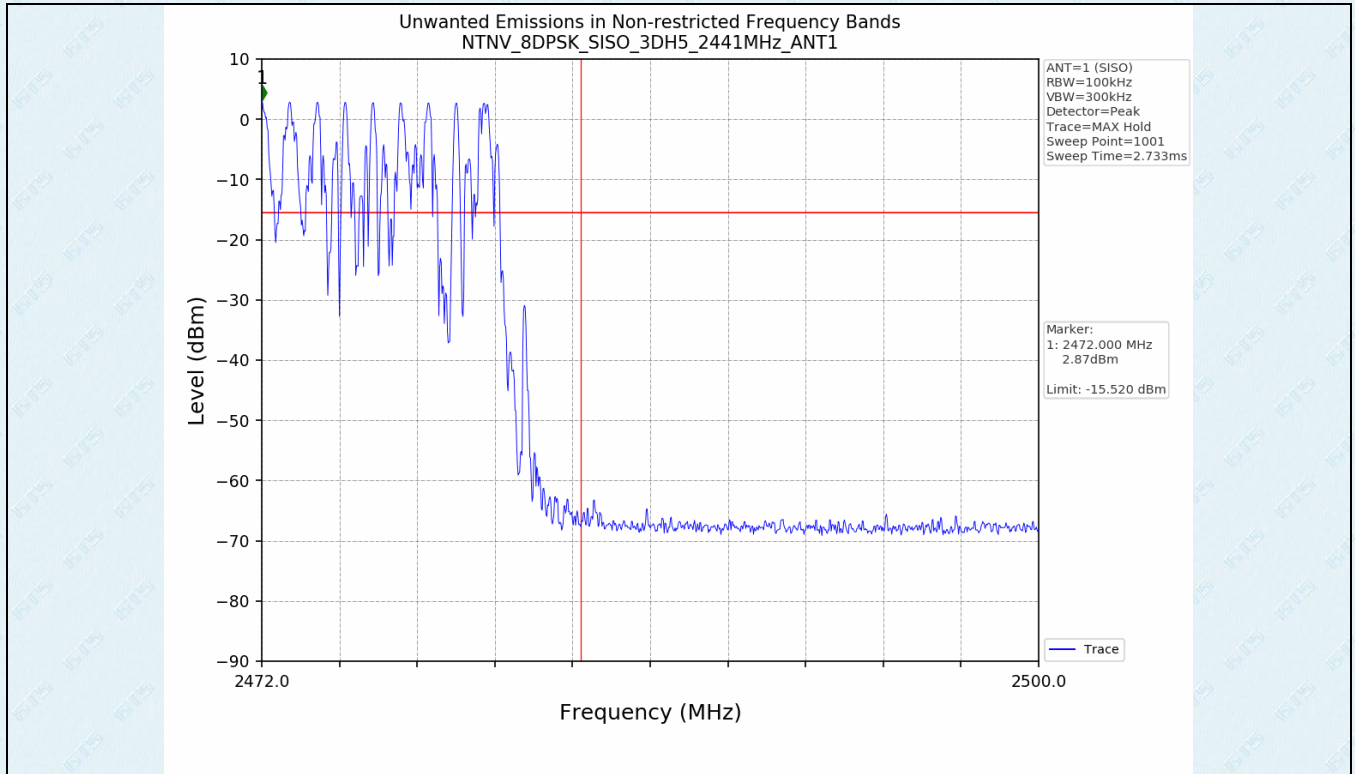












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