

Appendix for 15.247

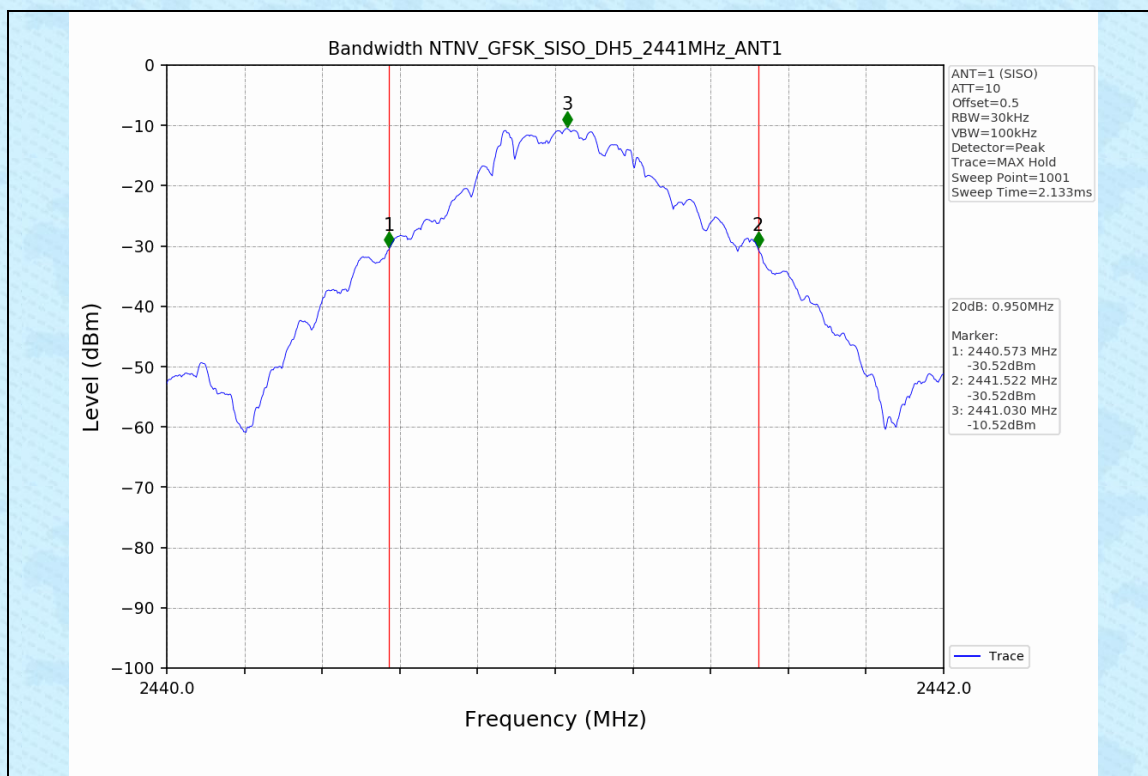
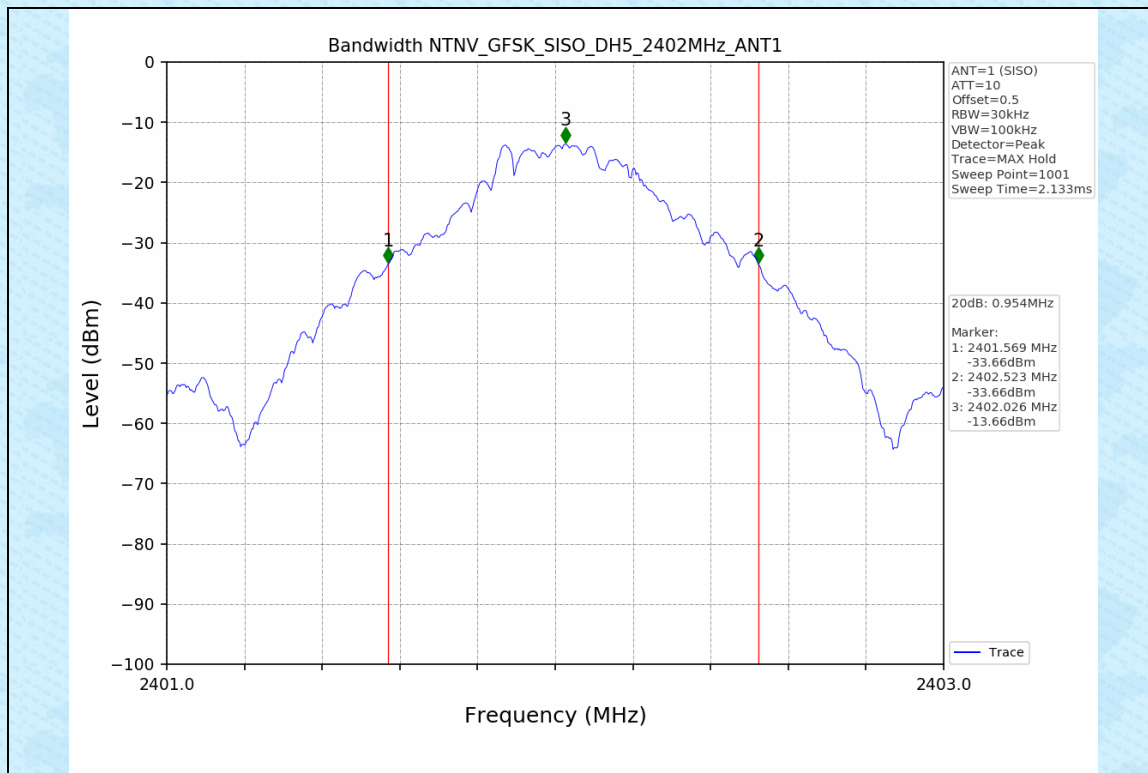
1. Bandwidth

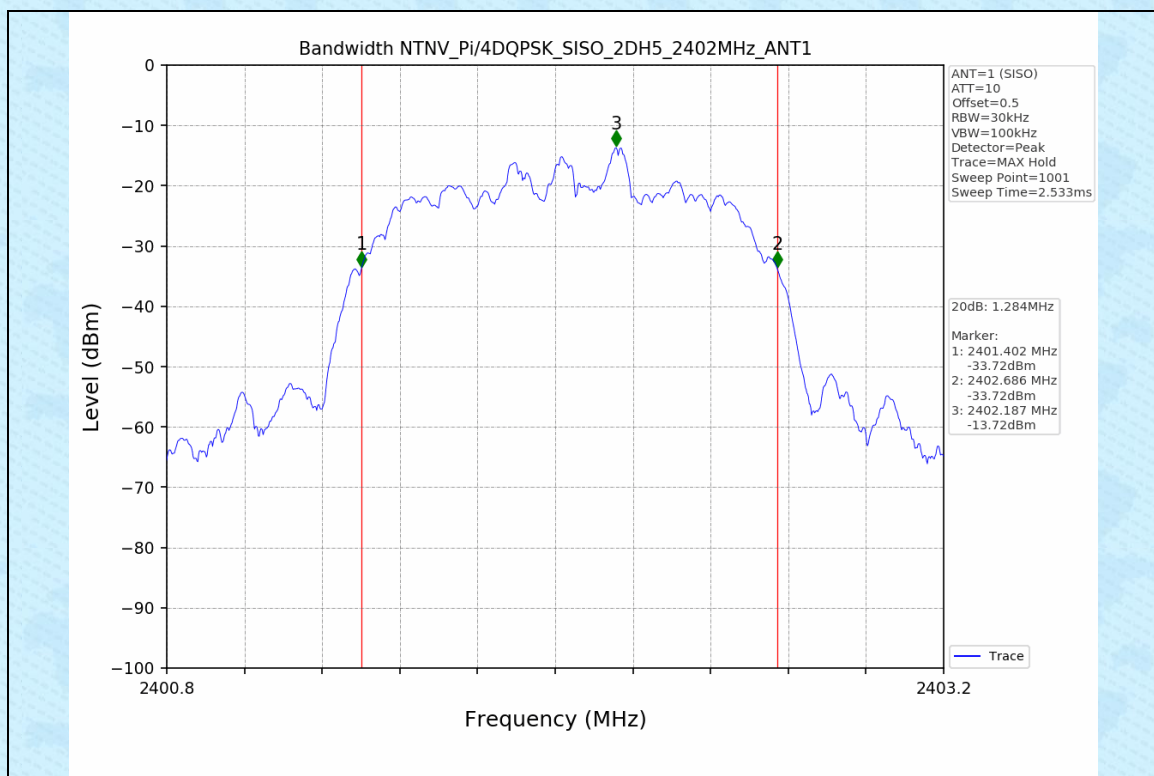
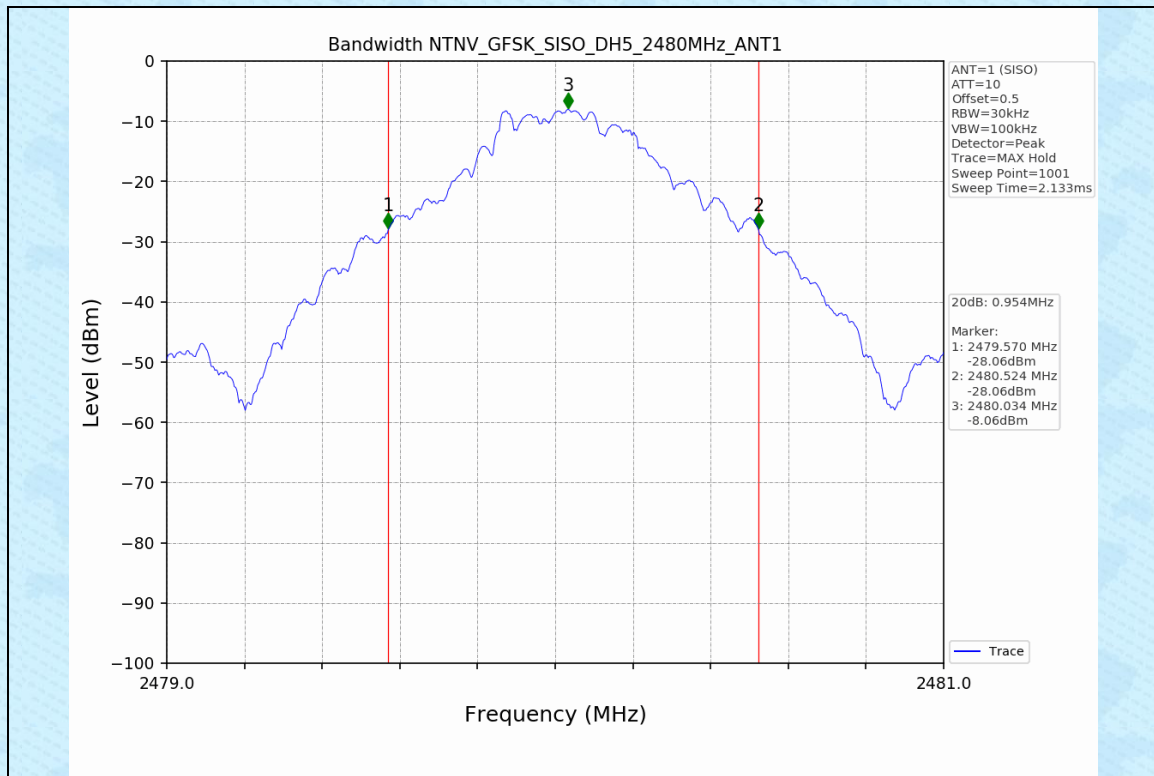
1.1 Test Result

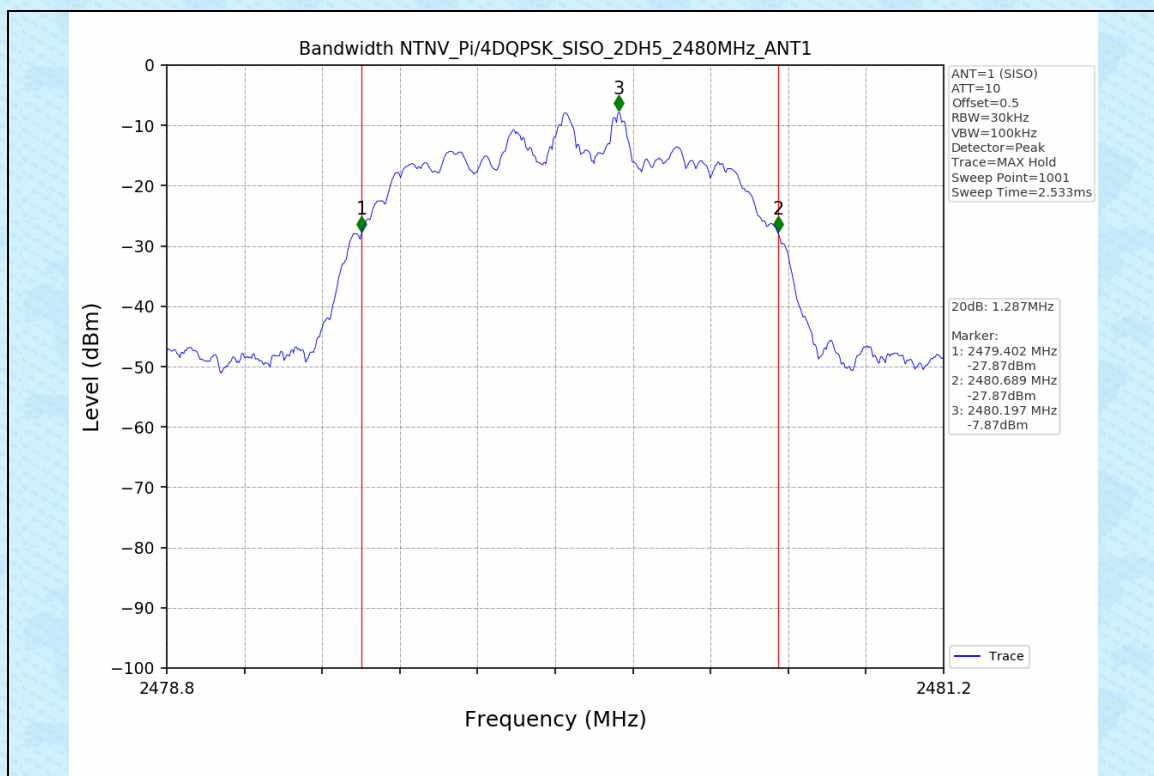
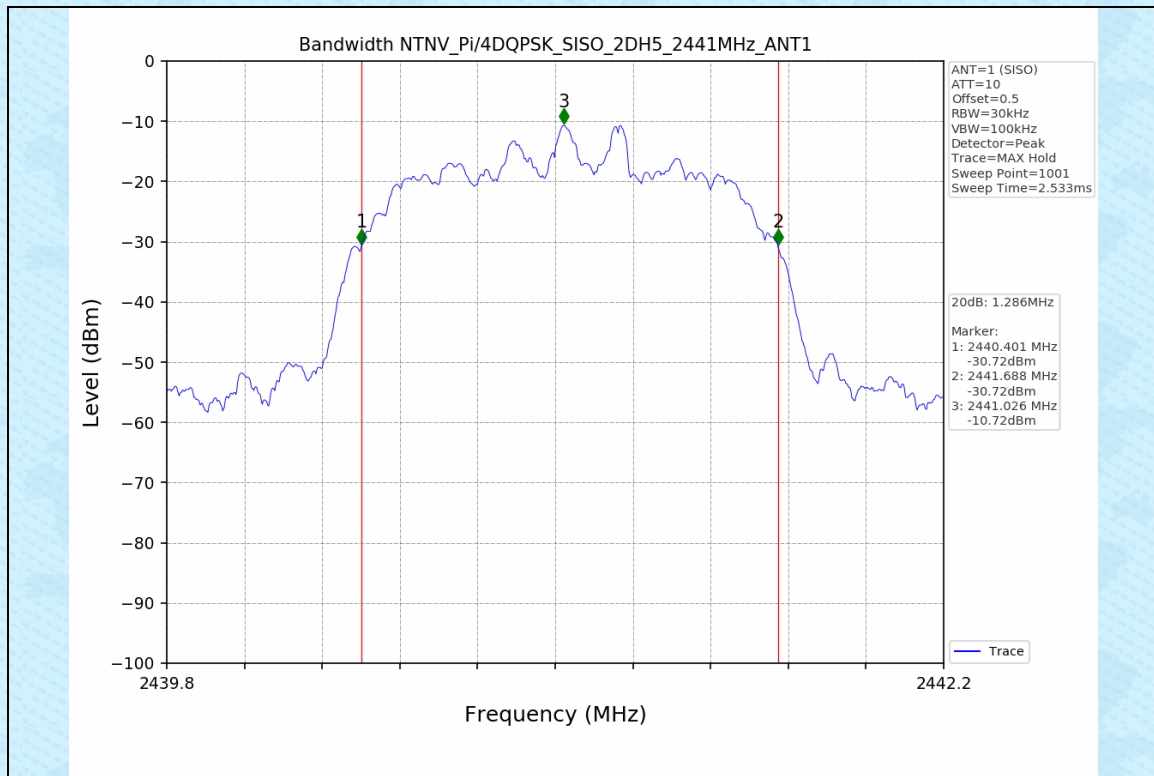
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.954	PASS
	2441	SISO	1	0.950	PASS
	2480	SISO	1	0.954	PASS
$\pi/4$ -DQPSK	2402	SISO	1	1.284	PASS
	2441	SISO	1	1.286	PASS
	2480	SISO	1	1.287	PASS
8-DPSK	2402	SISO	1	1.296	PASS
	2441	SISO	1	1.299	PASS
	2480	SISO	1	1.306	PASS

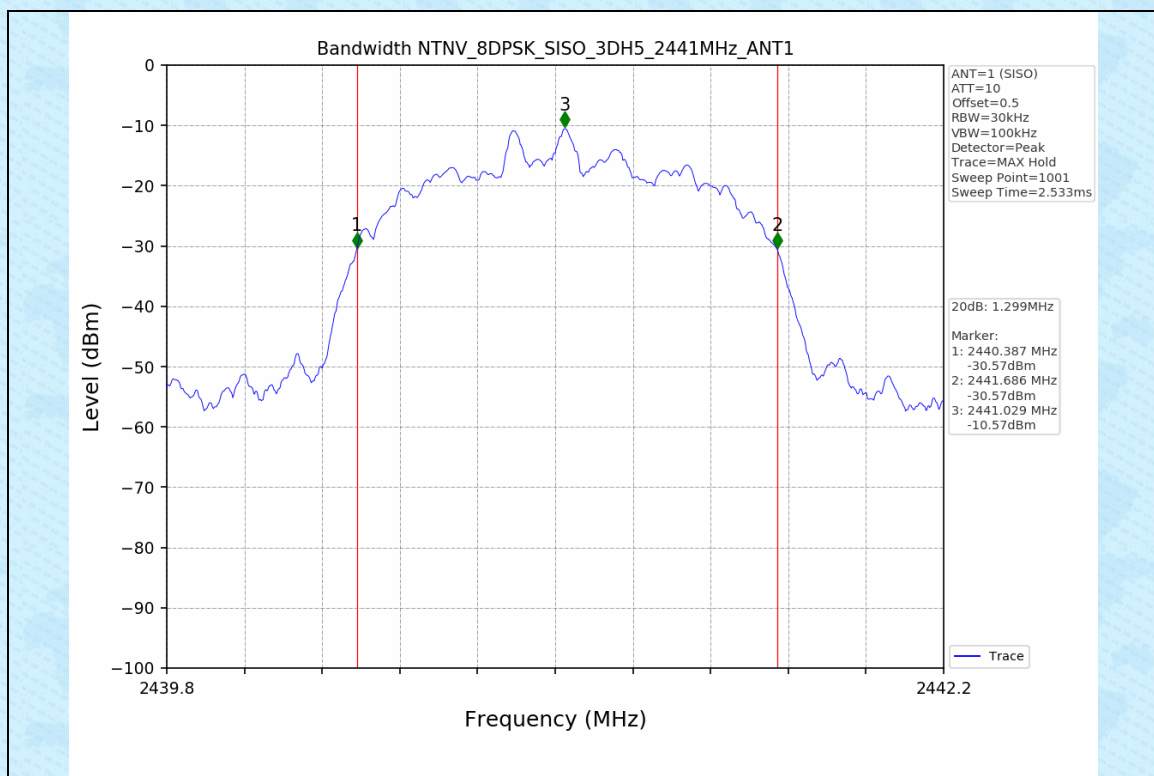
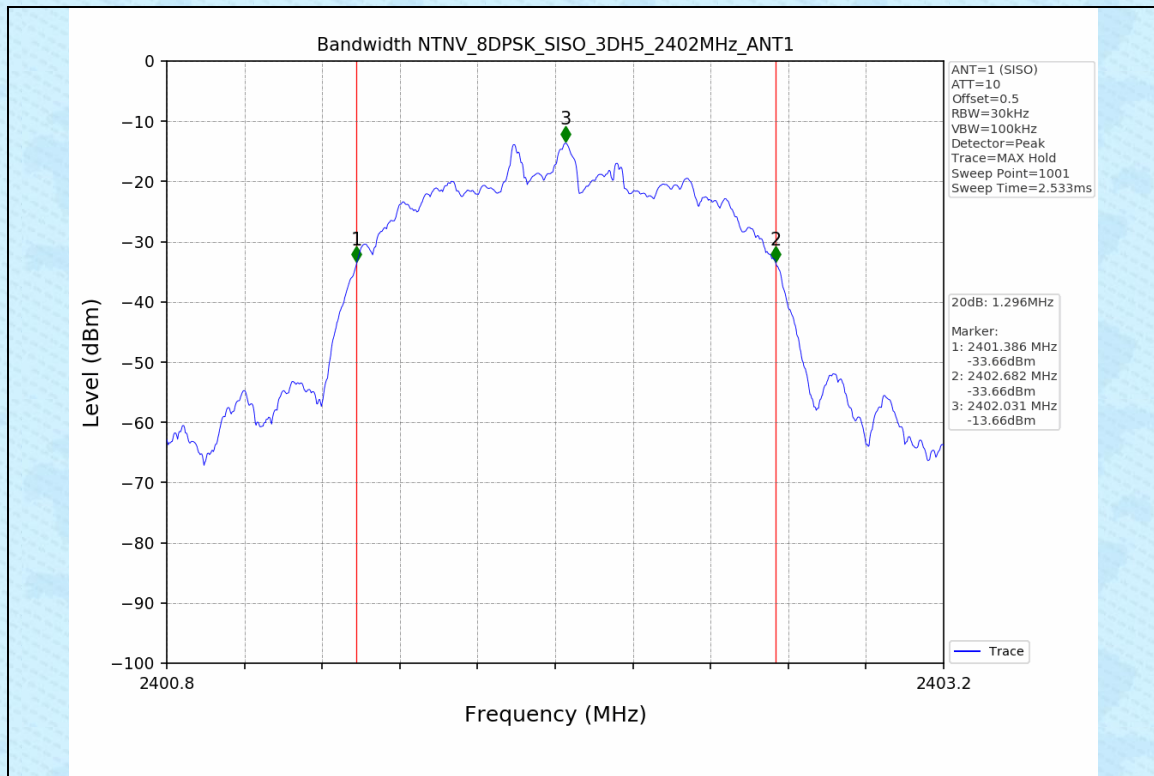
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.852	Only for Report Use
	2441	SISO	1	0.851	Only for Report Use
	2480	SISO	1	0.852	Only for Report Use
$\pi/4$ -DQPSK	2402	SISO	1	1.170	Only for Report Use
	2441	SISO	1	1.174	Only for Report Use
	2480	SISO	1	1.180	Only for Report Use
8-DPSK	2402	SISO	1	1.177	Only for Report Use
	2441	SISO	1	1.184	Only for Report Use
	2480	SISO	1	1.192	Only for Report Use

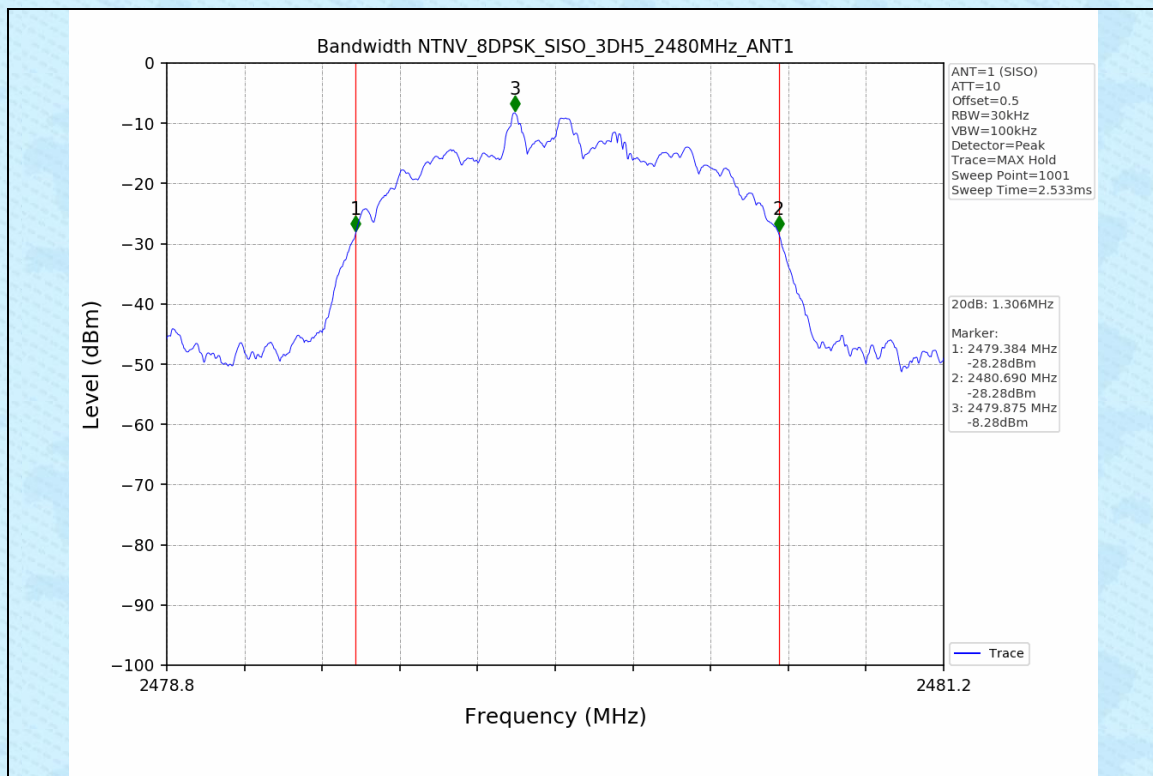
1.2 Test Graph - 20dB Bandwidth



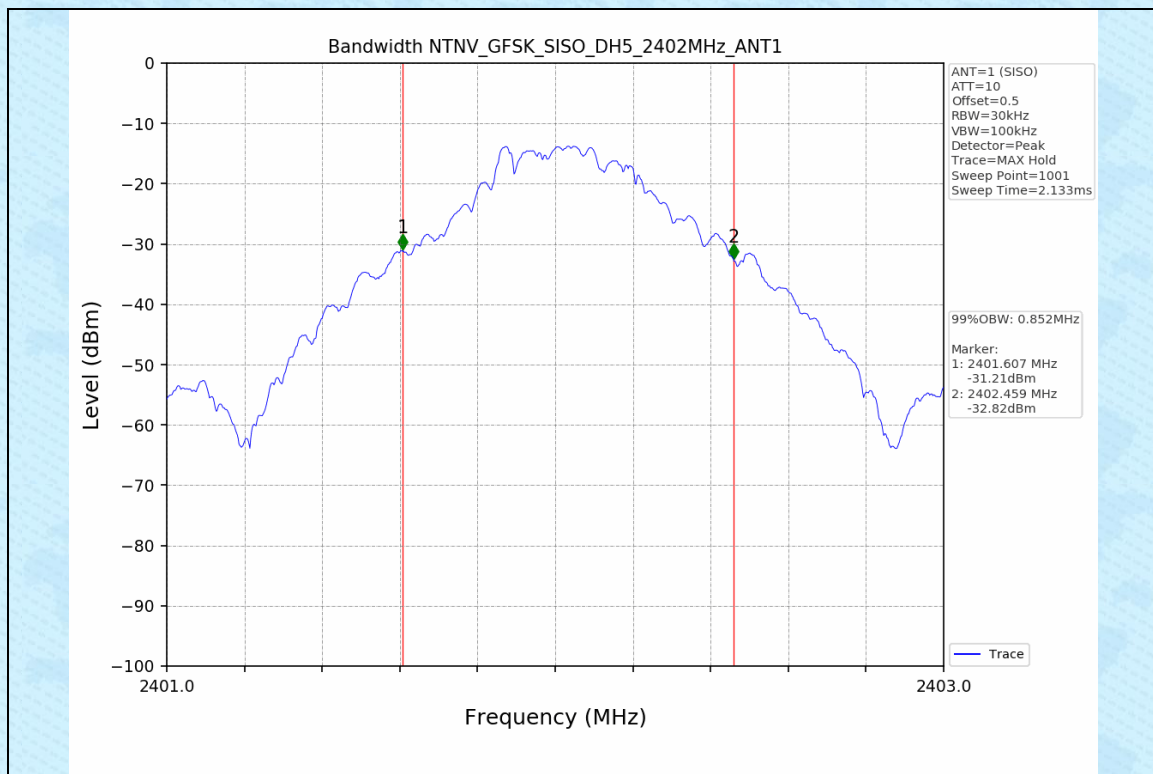


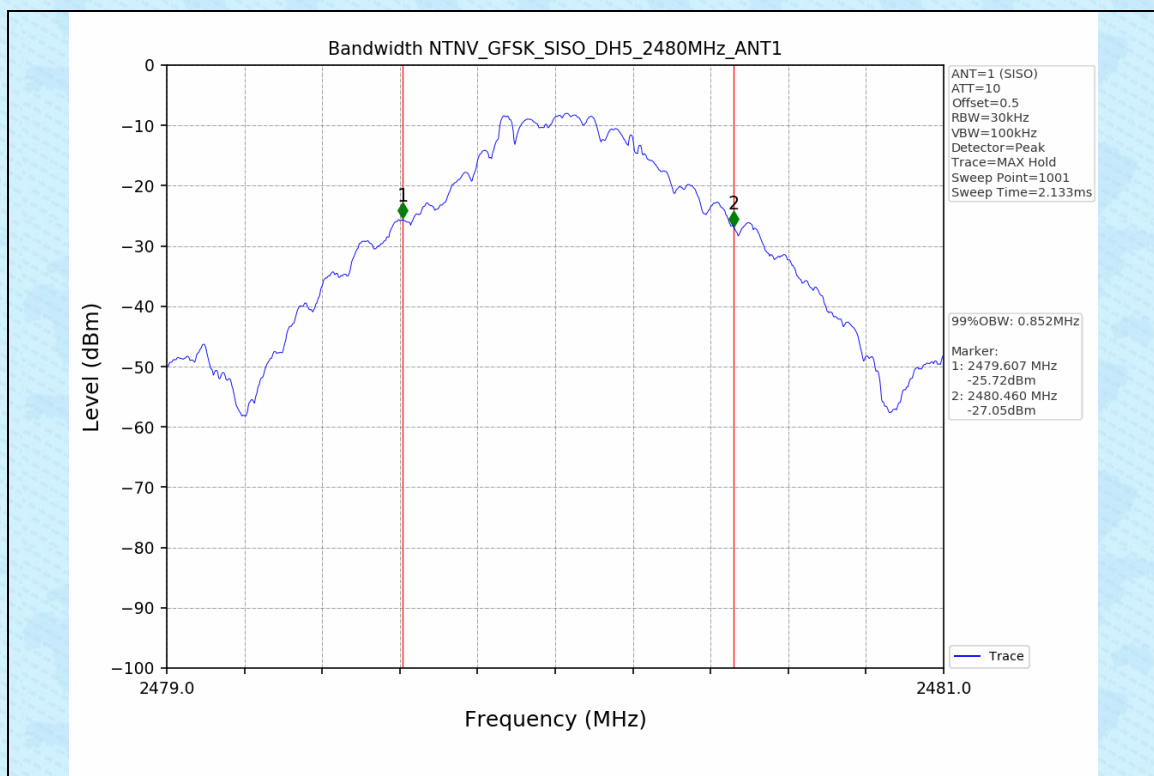
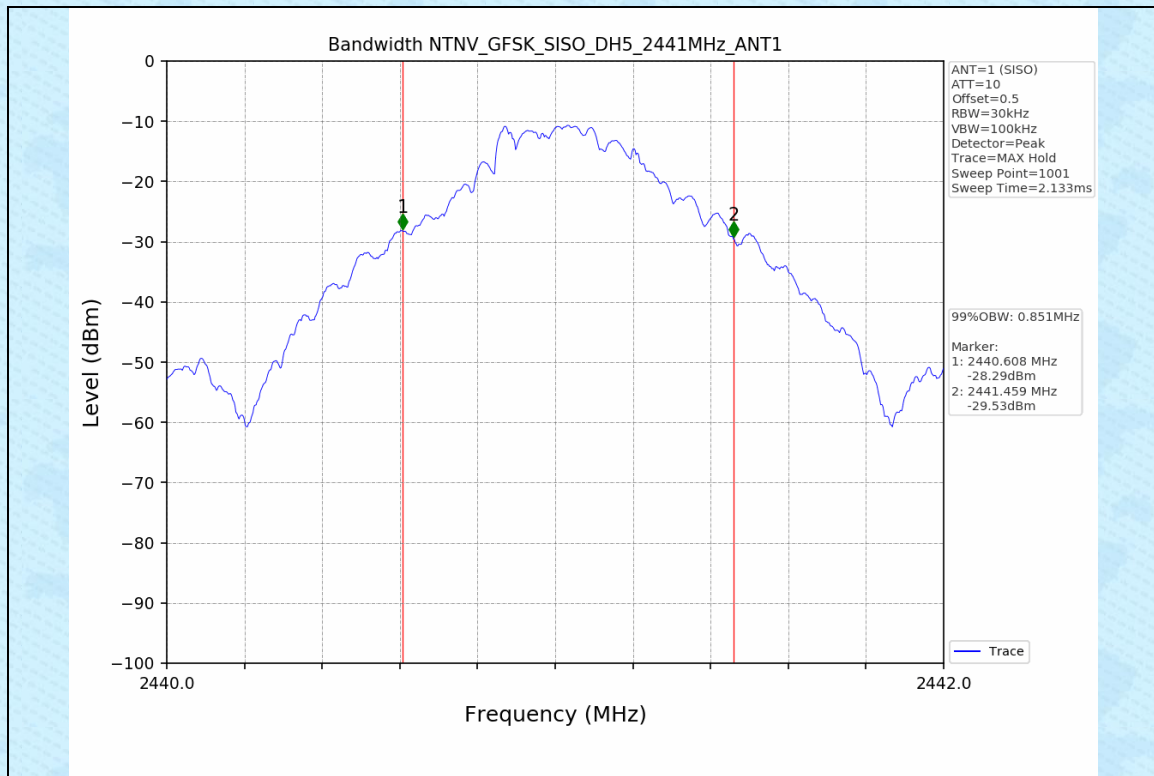


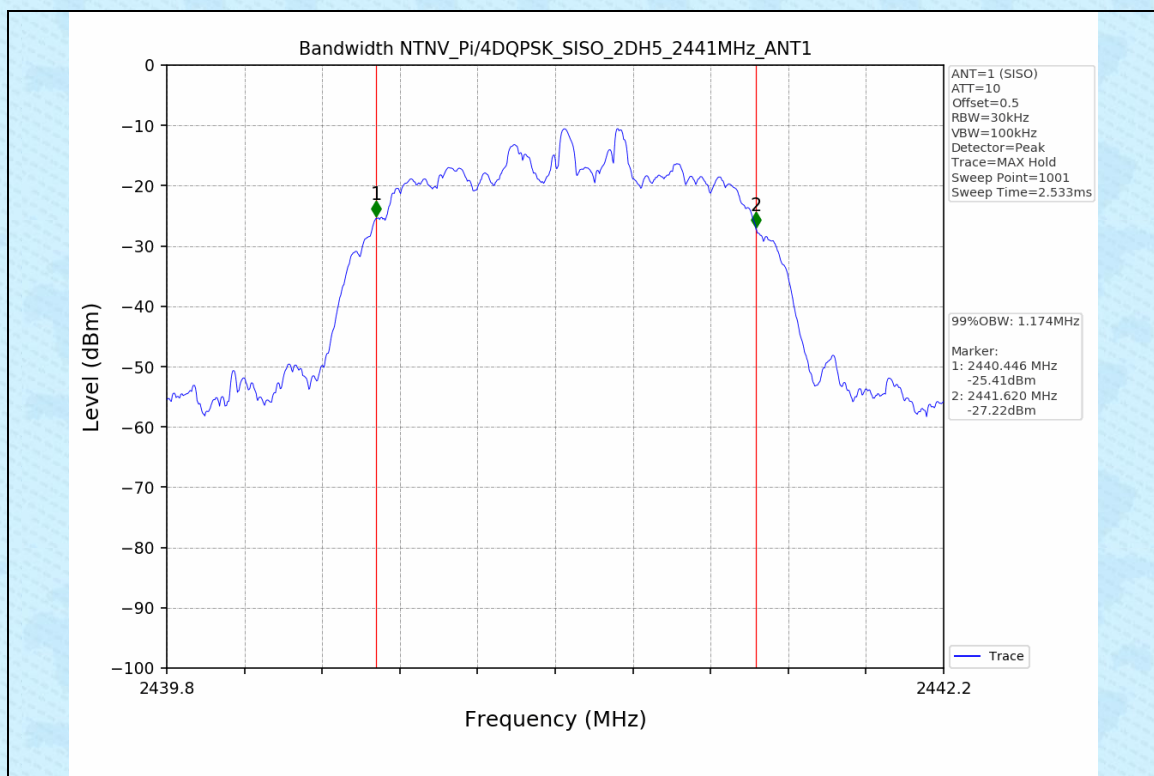
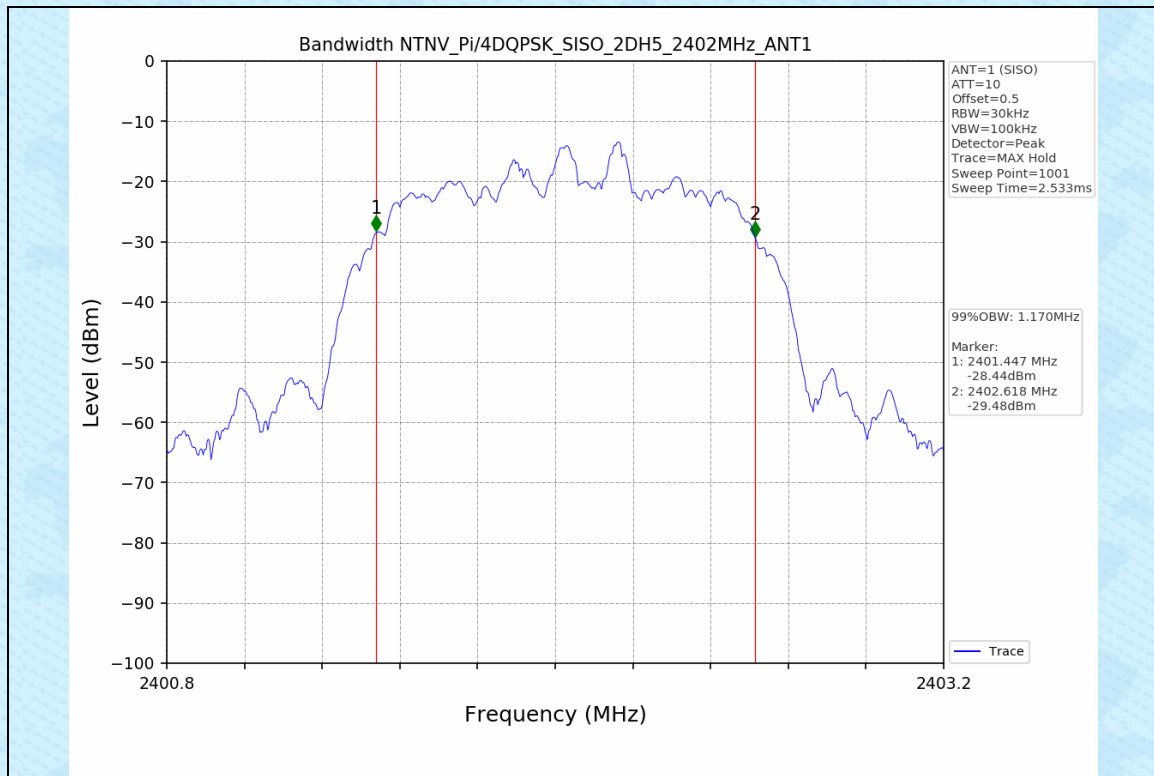


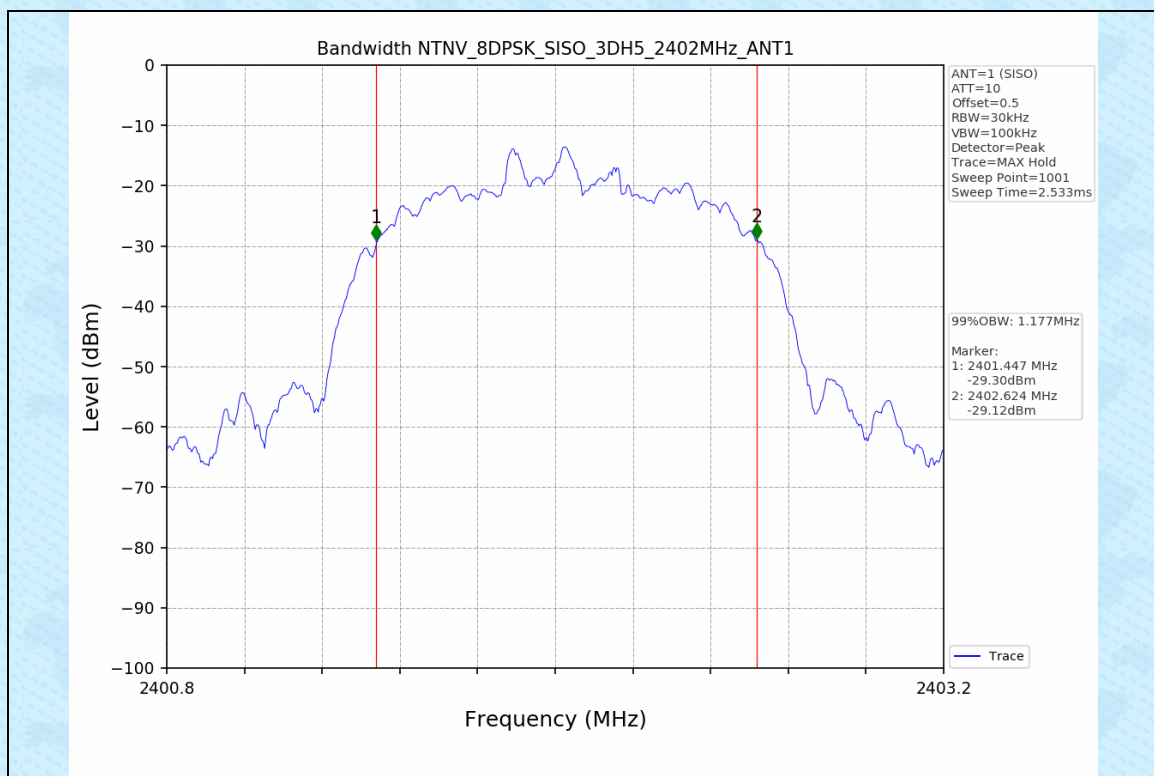
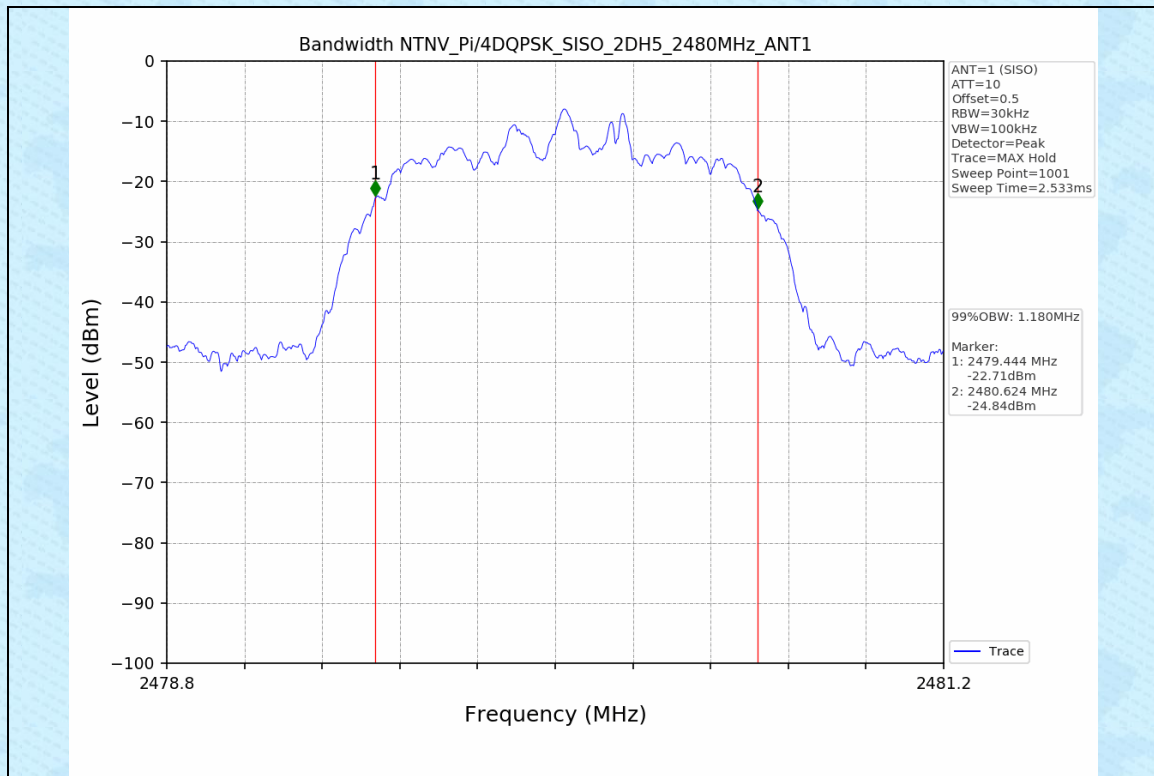


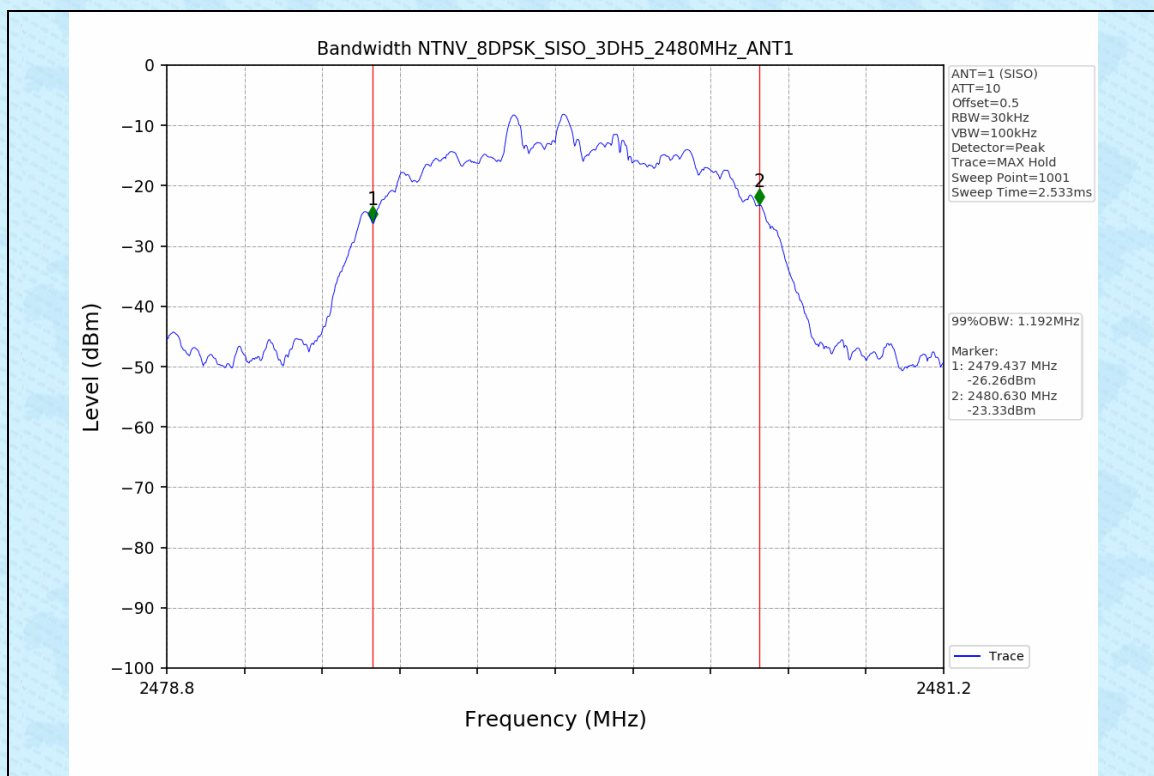
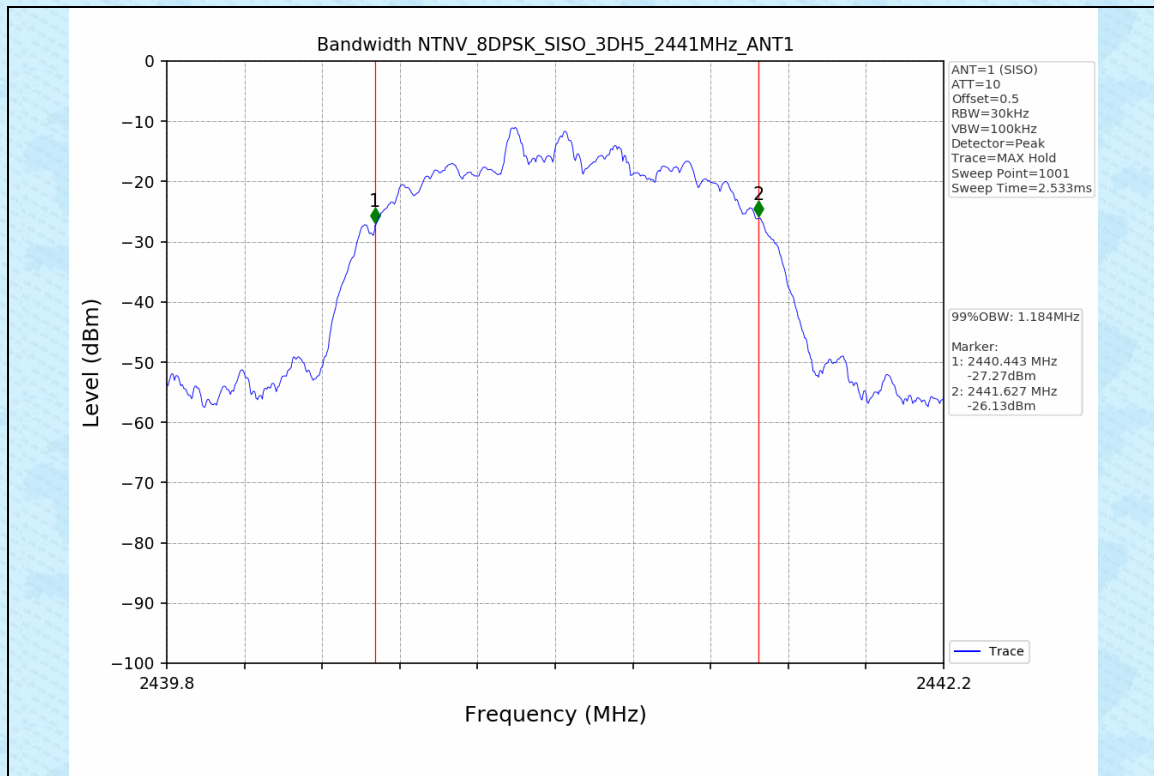
1.3 Test Graph - 99% Occupied Bandwidth









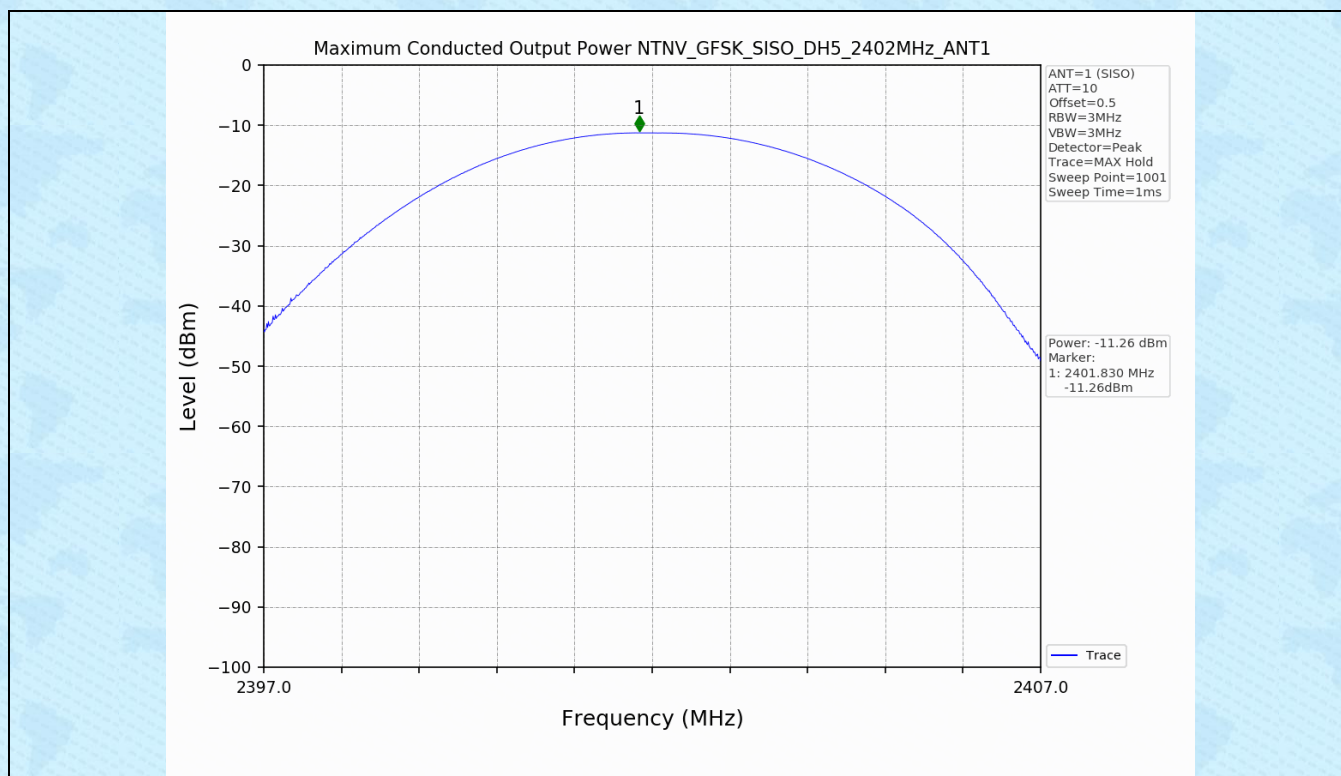


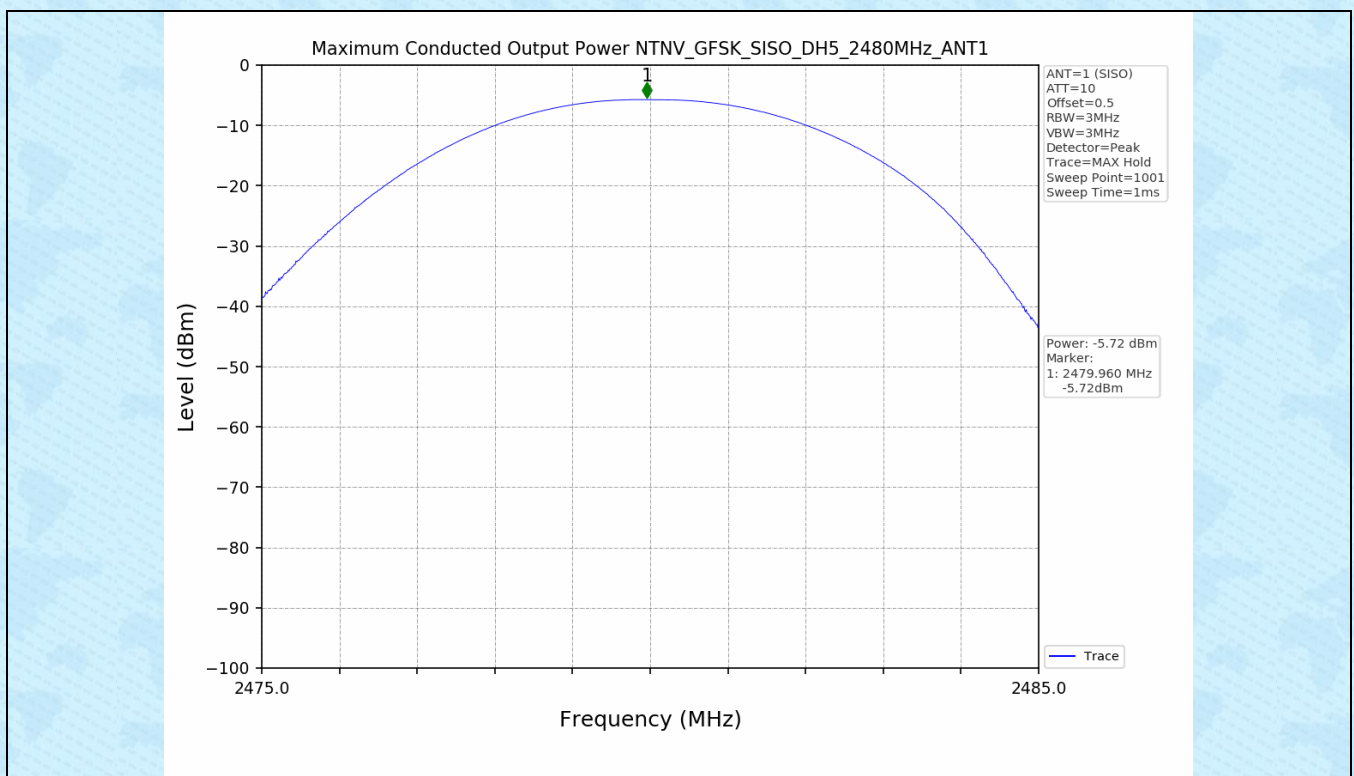
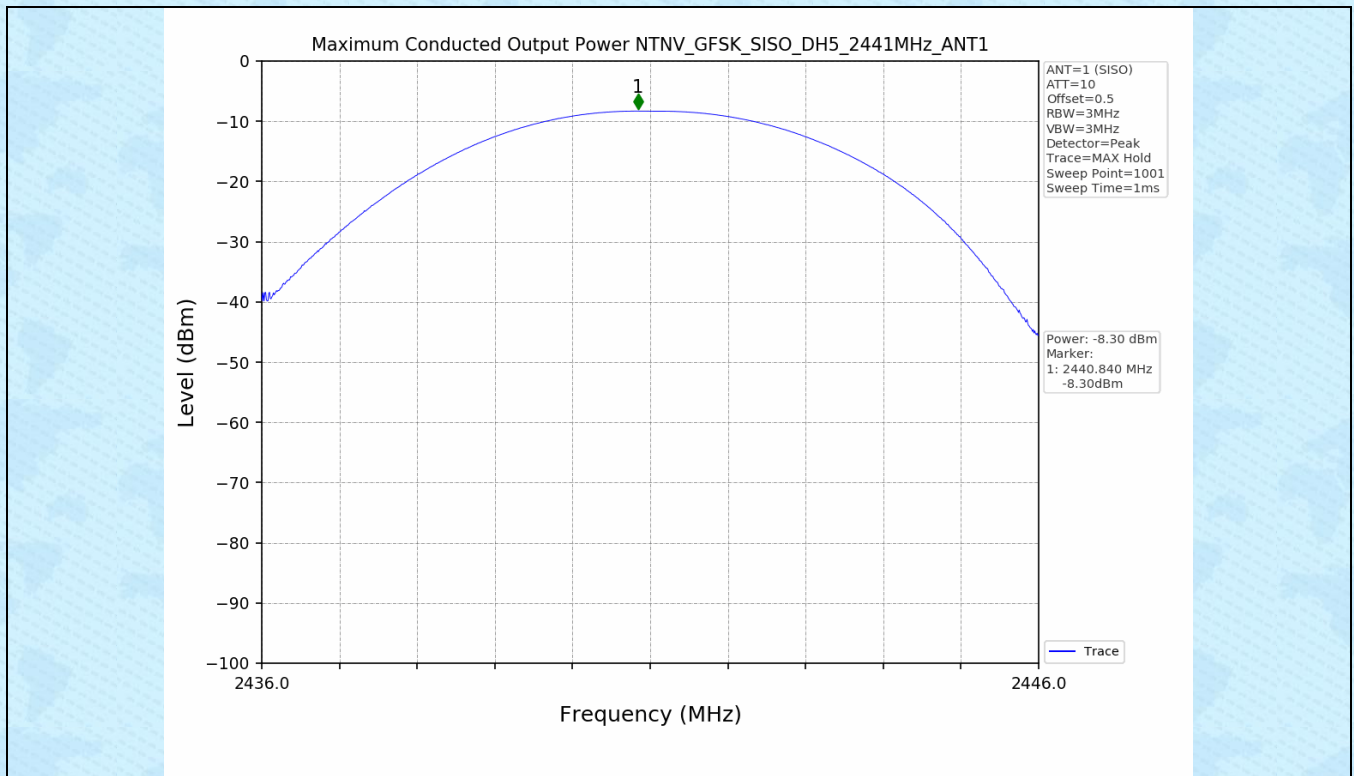
2. Maximum Conducted Output Power

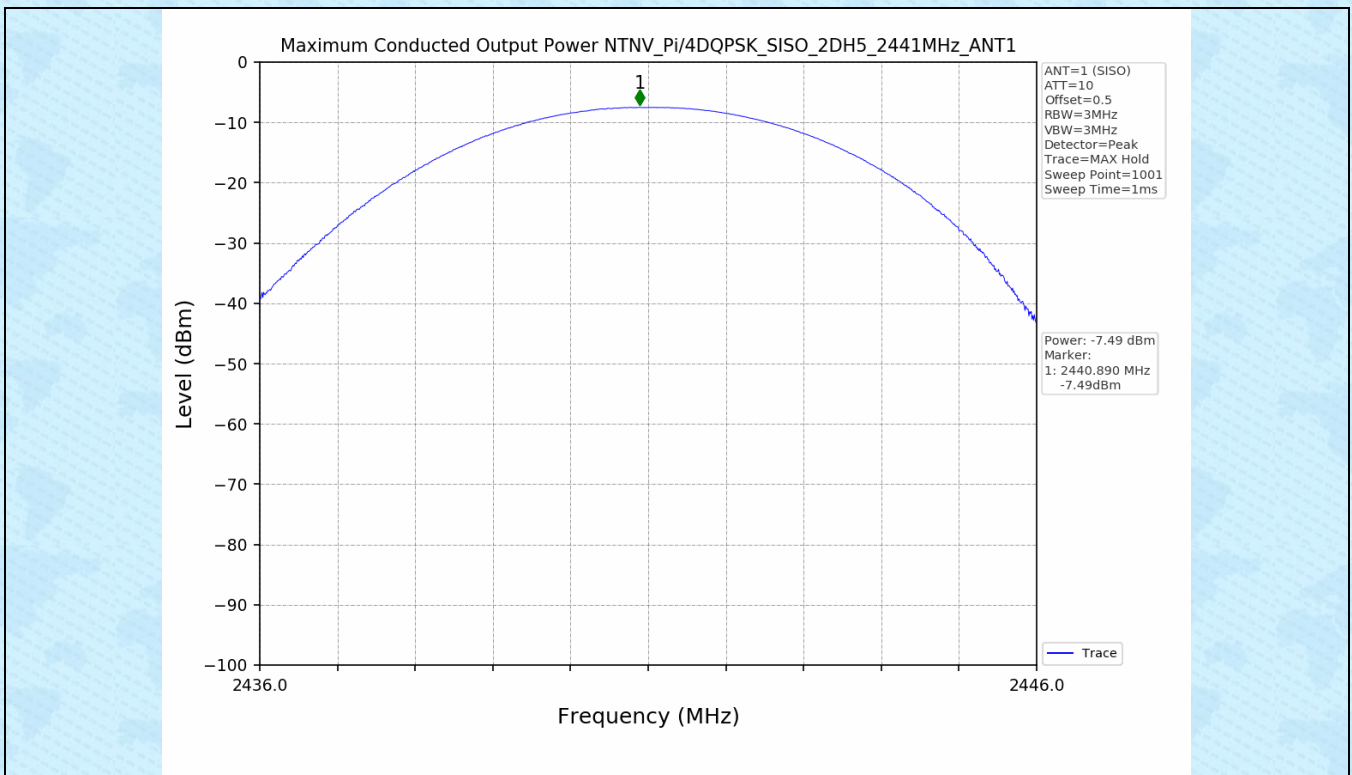
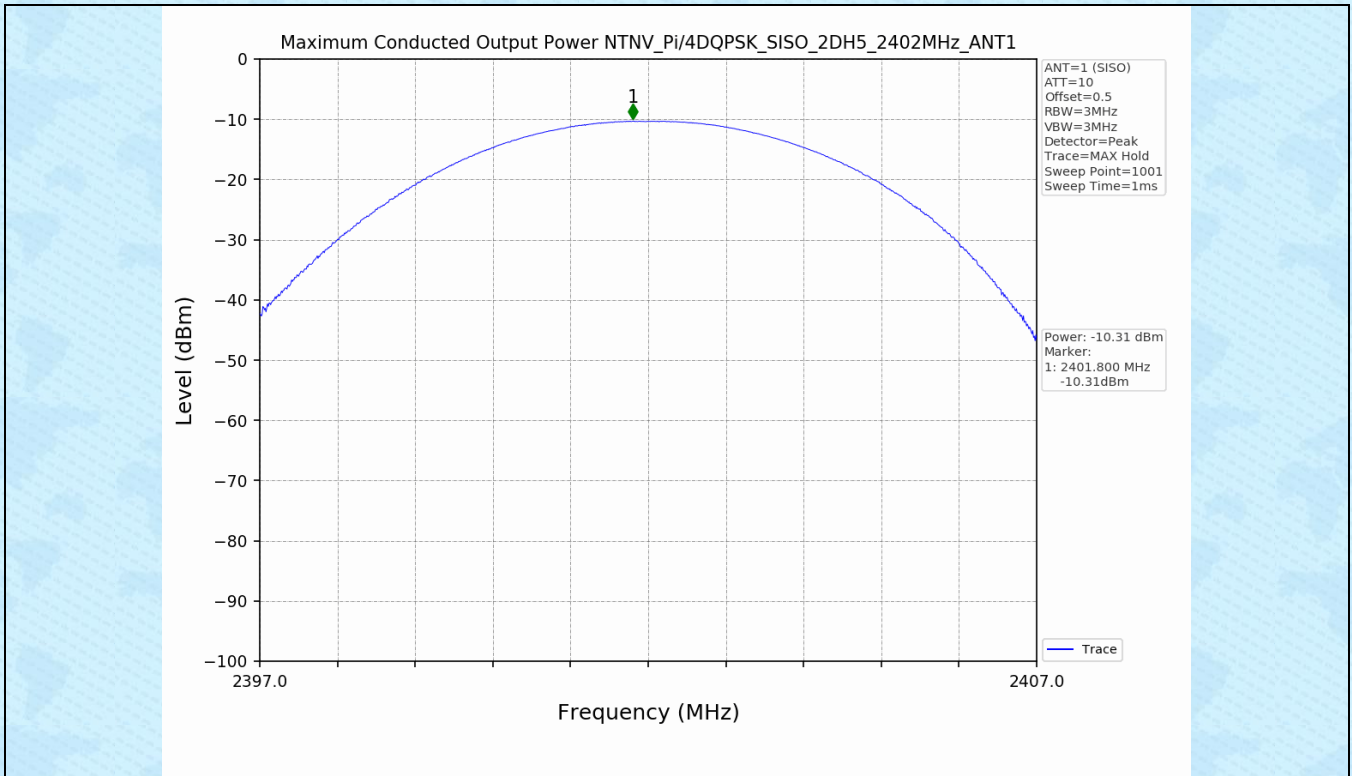
2.1 Test Result

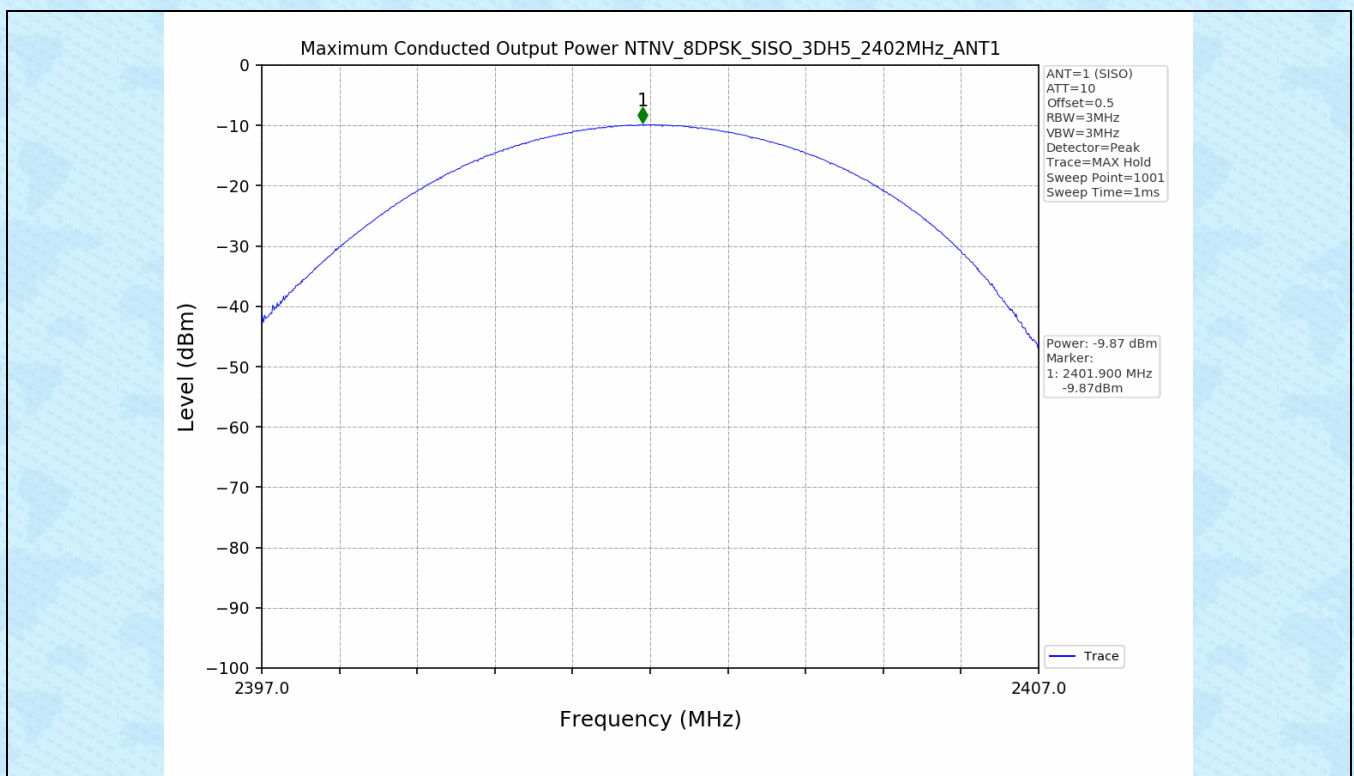
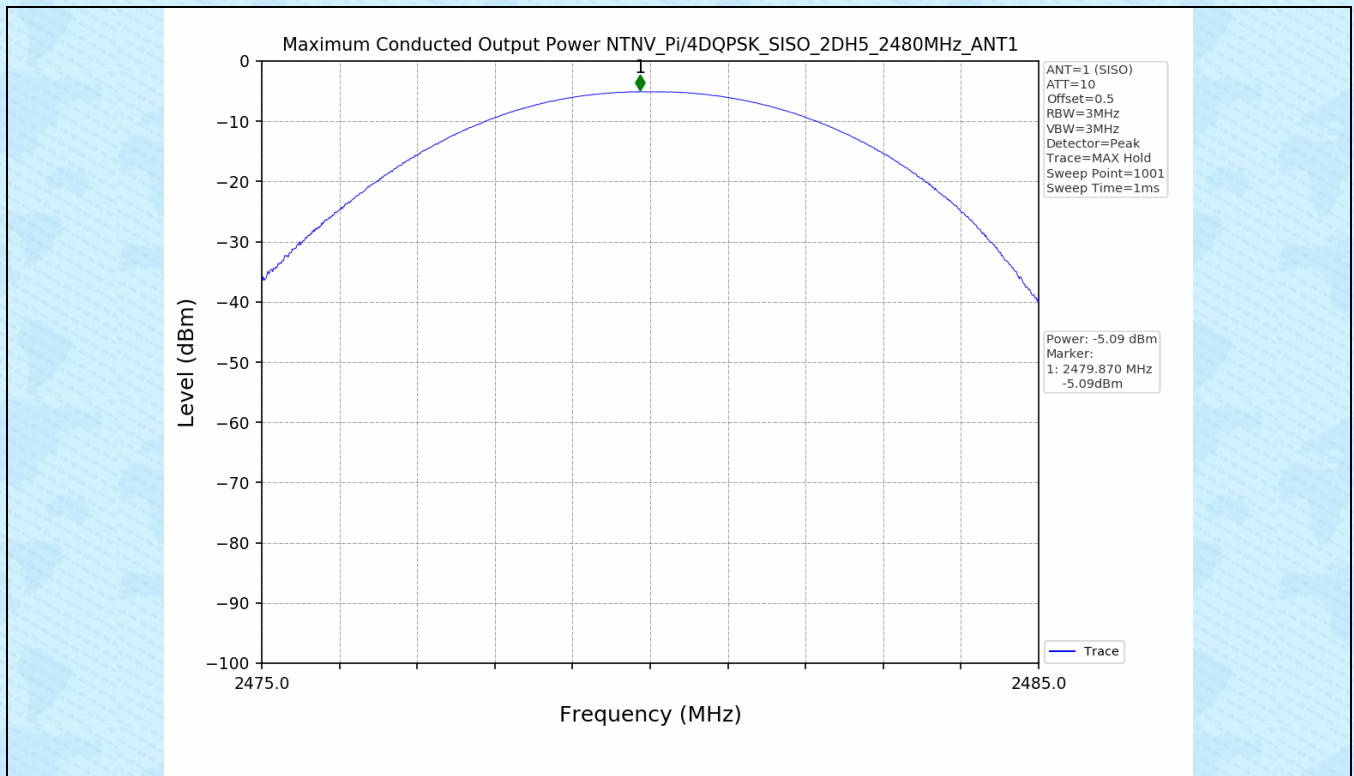
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-11.26	30	PASS
	2441	SISO	-8.30	30	PASS
	2480	SISO	-5.72	30	PASS
$\pi/4$ -DQPSK	2402	SISO	-10.31	20.97	PASS
	2441	SISO	-7.49	20.97	PASS
	2480	SISO	-5.09	20.97	PASS
8-DPSK	2402	SISO	-9.87	20.97	PASS
	2441	SISO	-7.14	20.97	PASS
	2480	SISO	-4.83	20.97	PASS

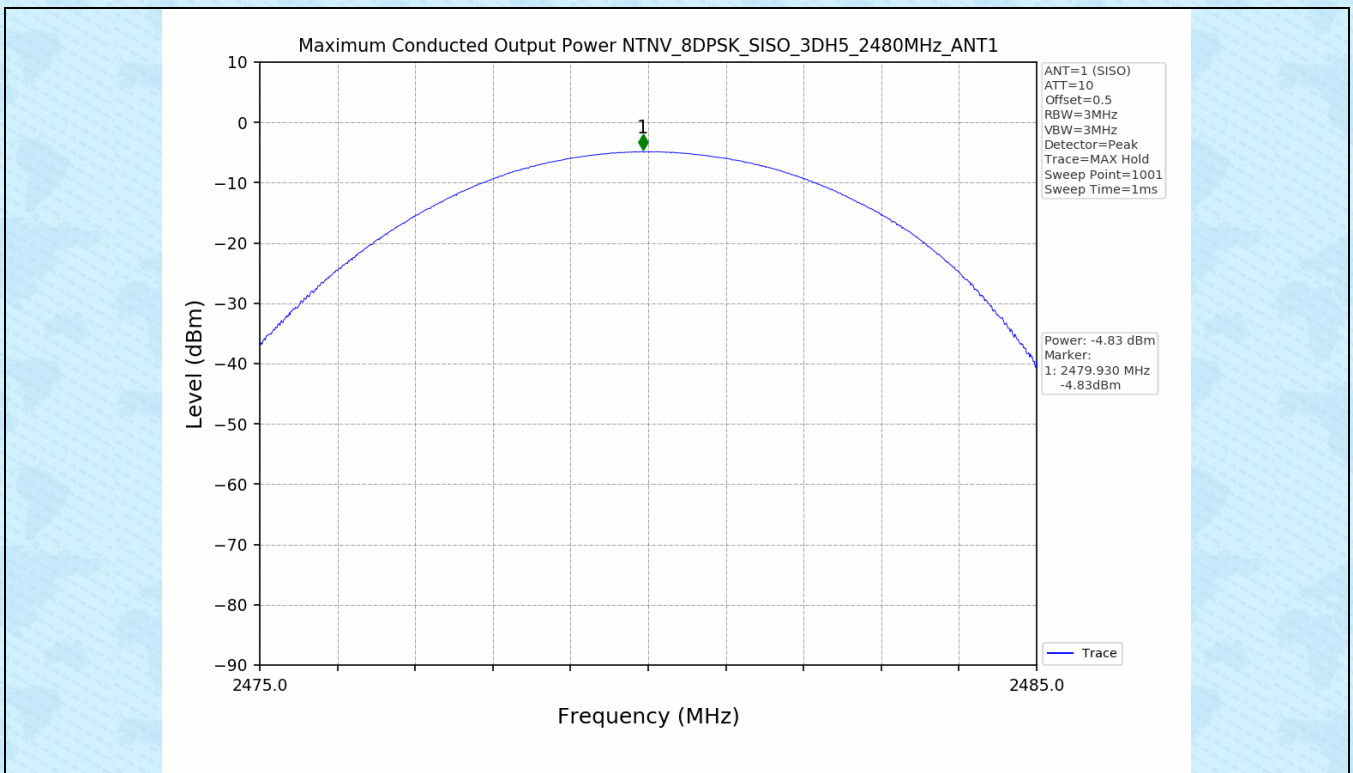
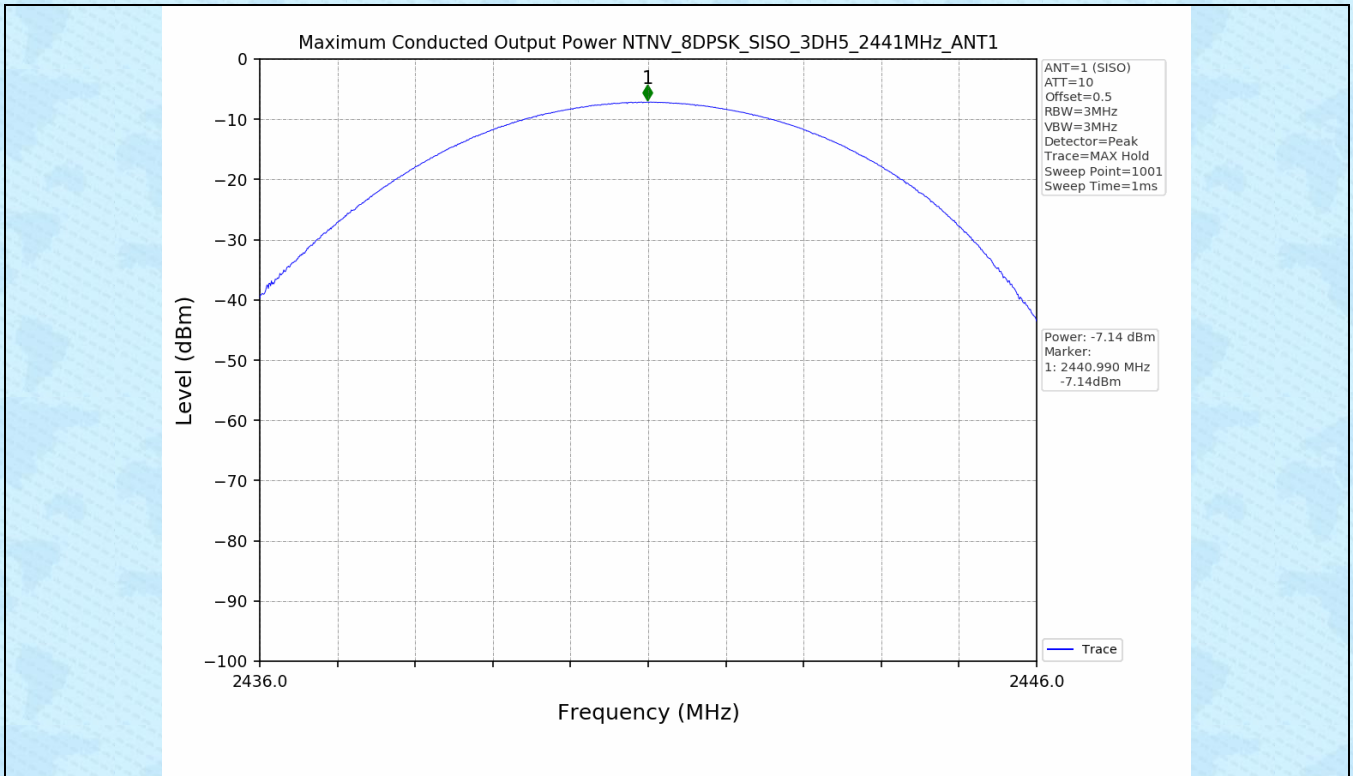
2.2 Test Graph









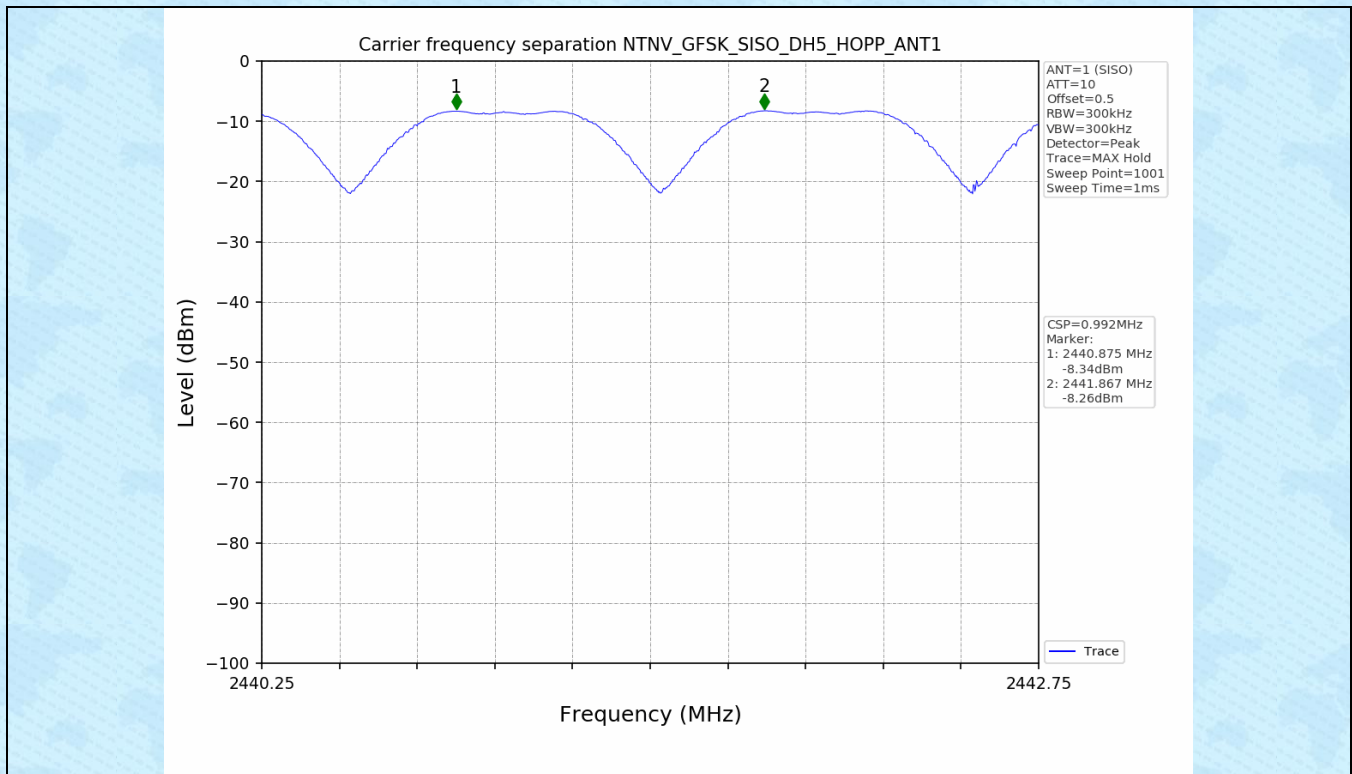


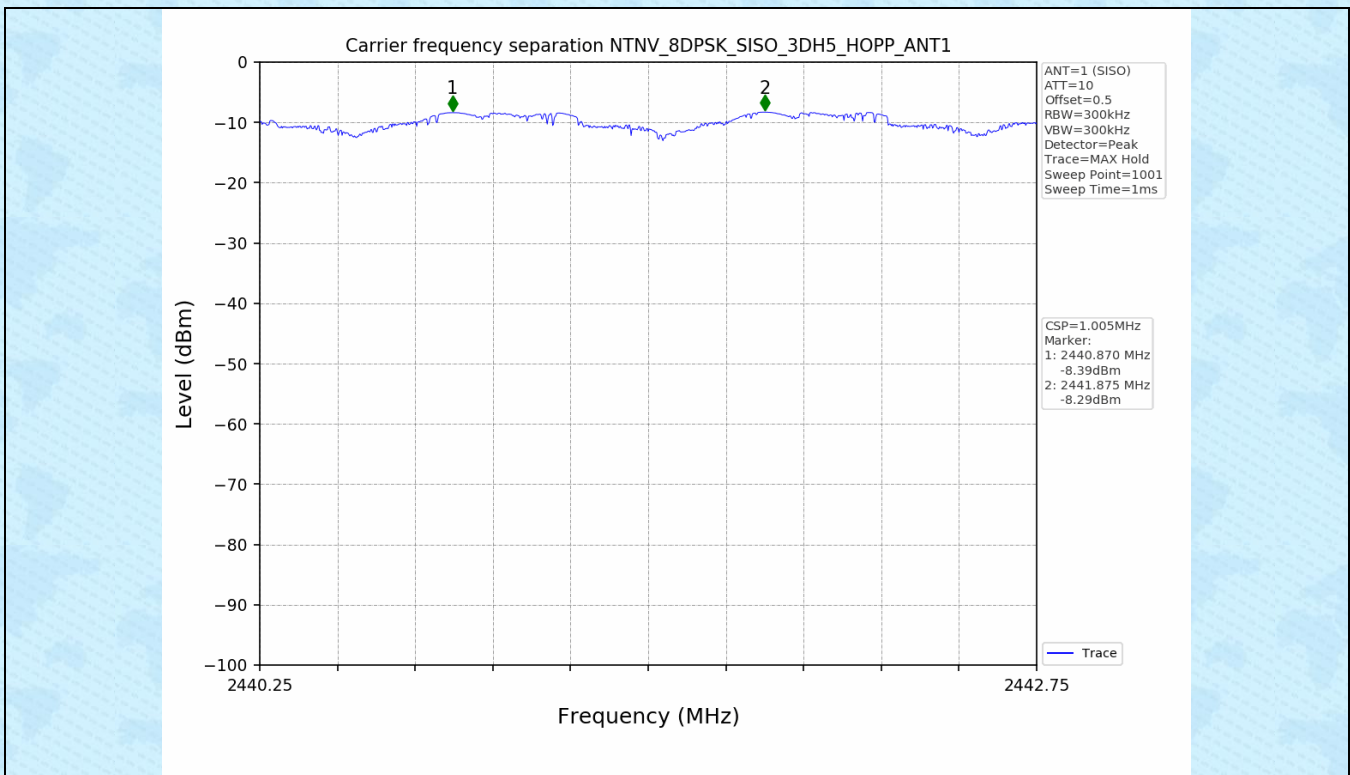
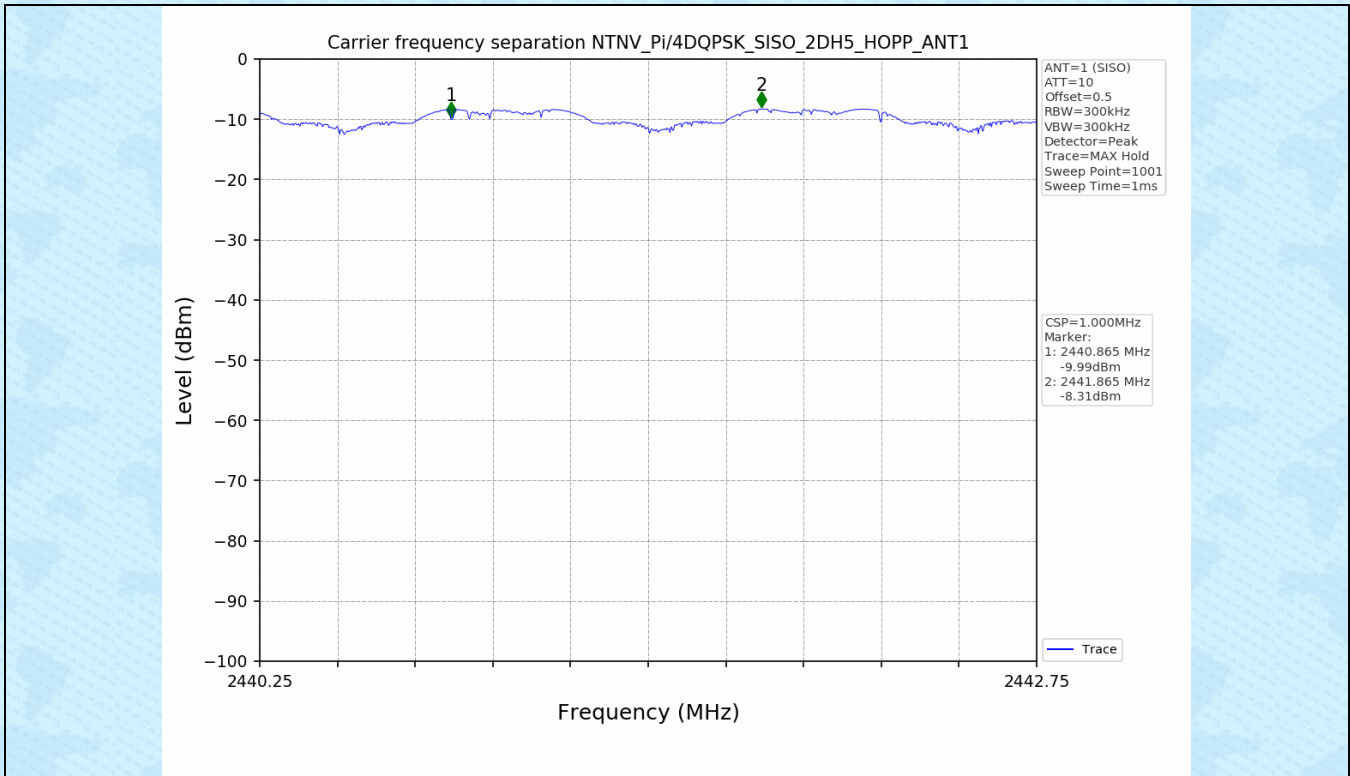
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	0.992	1.000	≥ 0.667	PASS
$\pi/4$ -DQPSK	SISO	1	1.000	1.200	≥ 0.800	PASS
8-DPSK	SISO	1	1.005	1.200	≥ 0.800	PASS

3.2 Test Graph



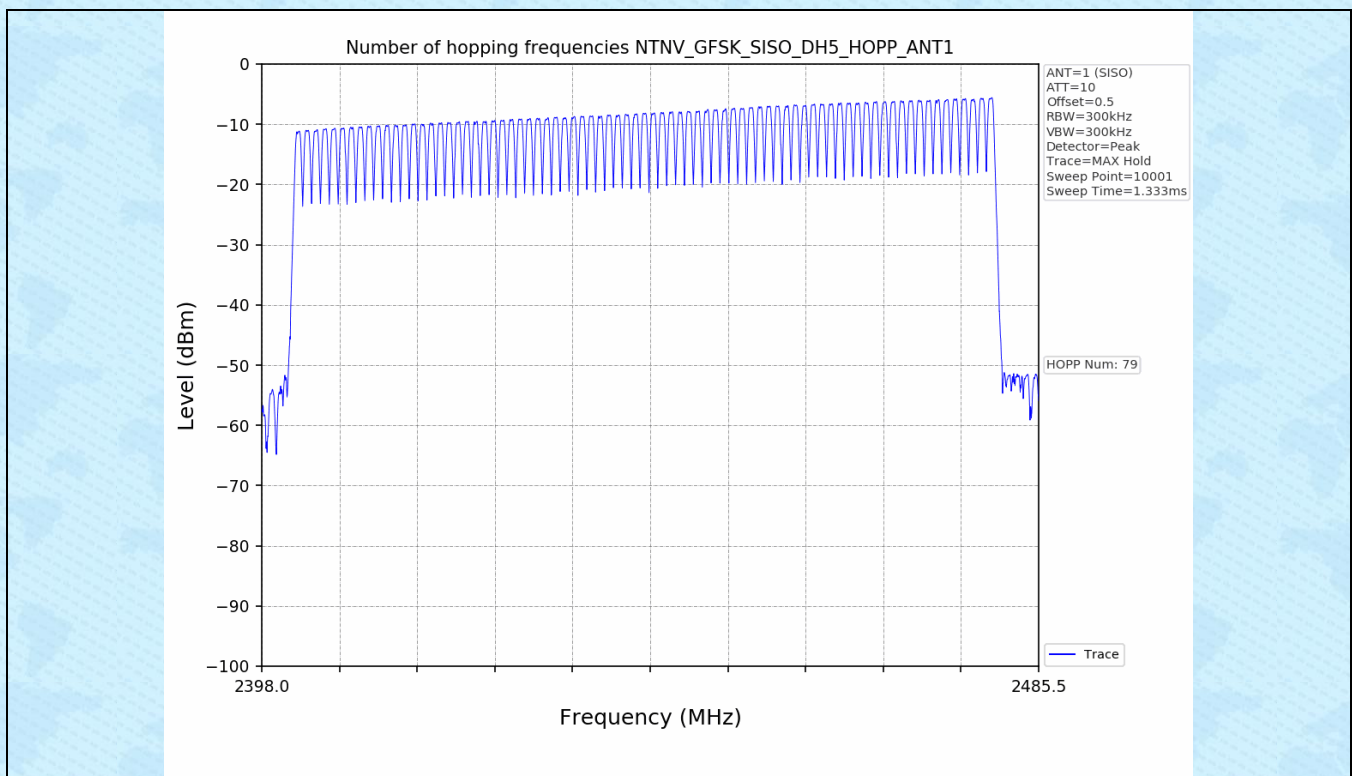


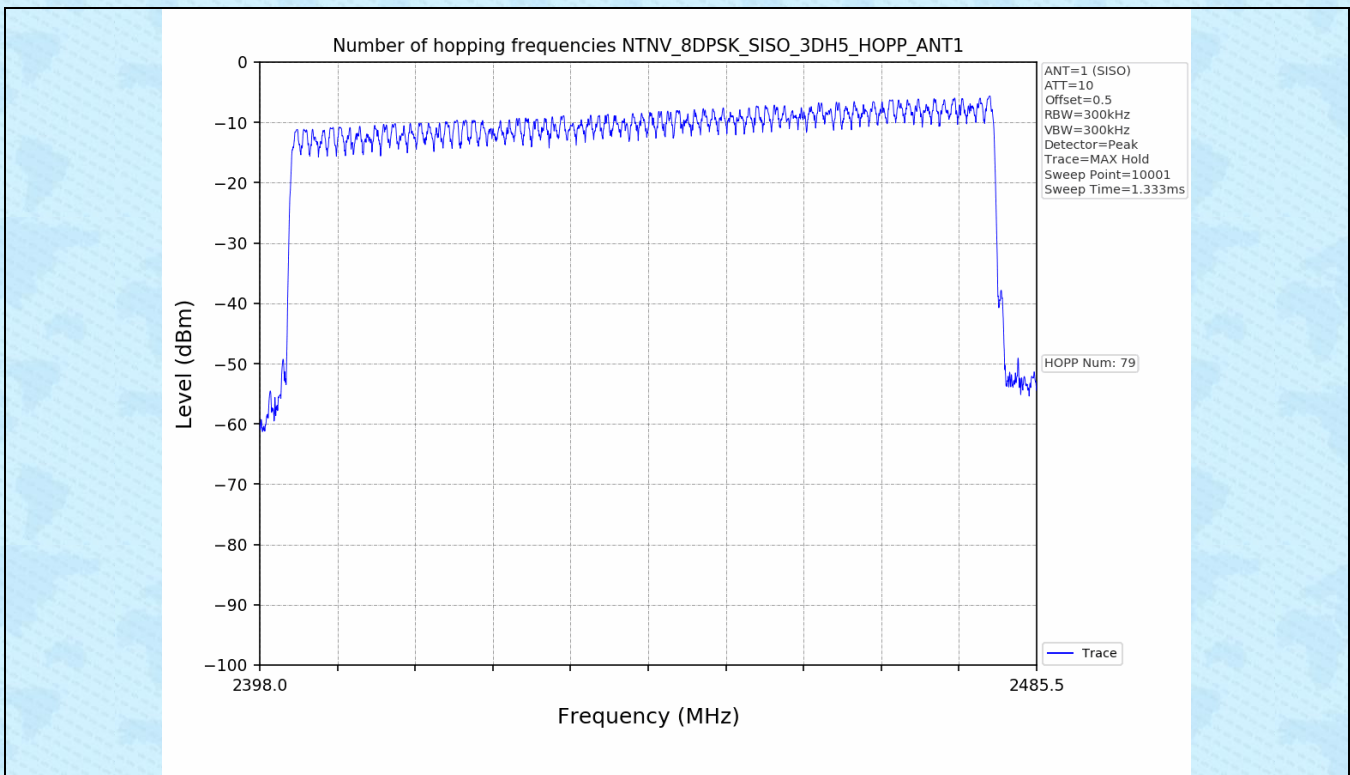
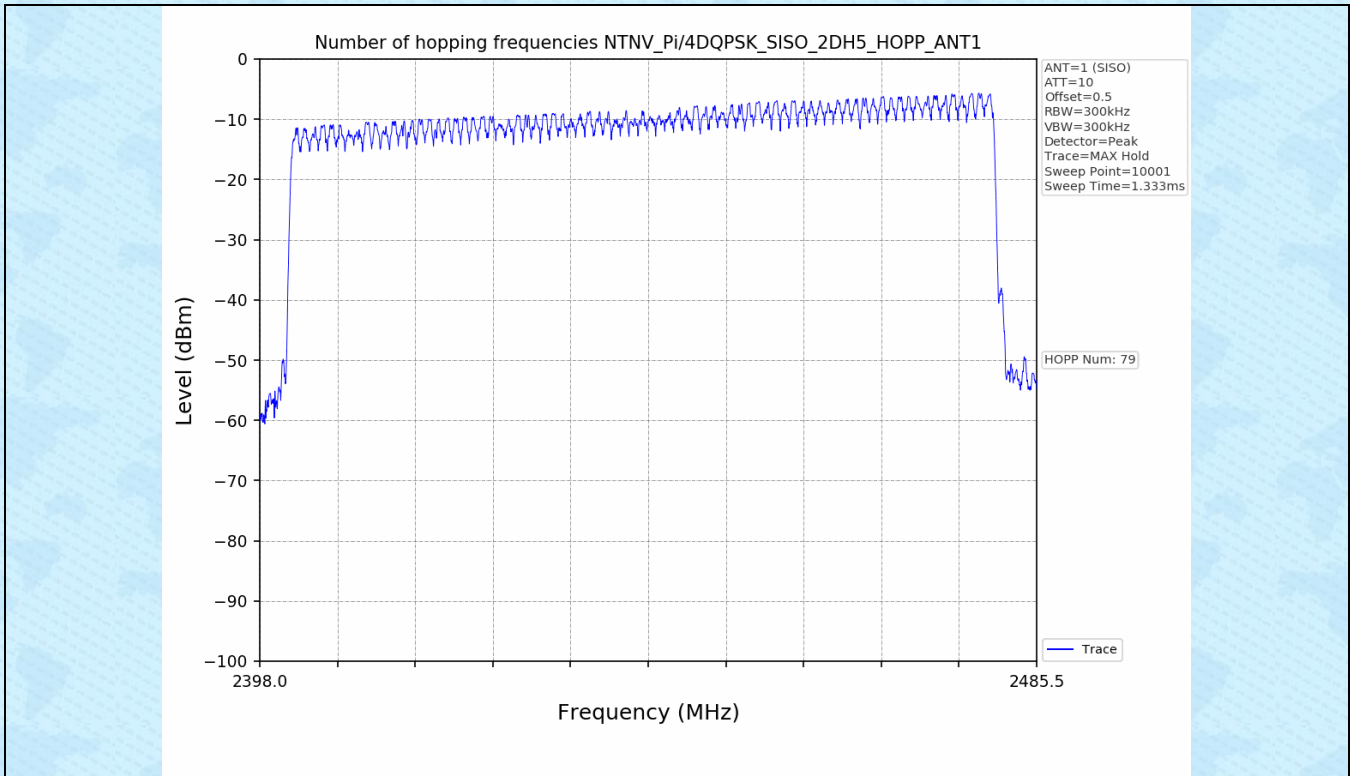
4. Number of hopping frequencies

4.1 Test Result

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

4.2 Test Graph



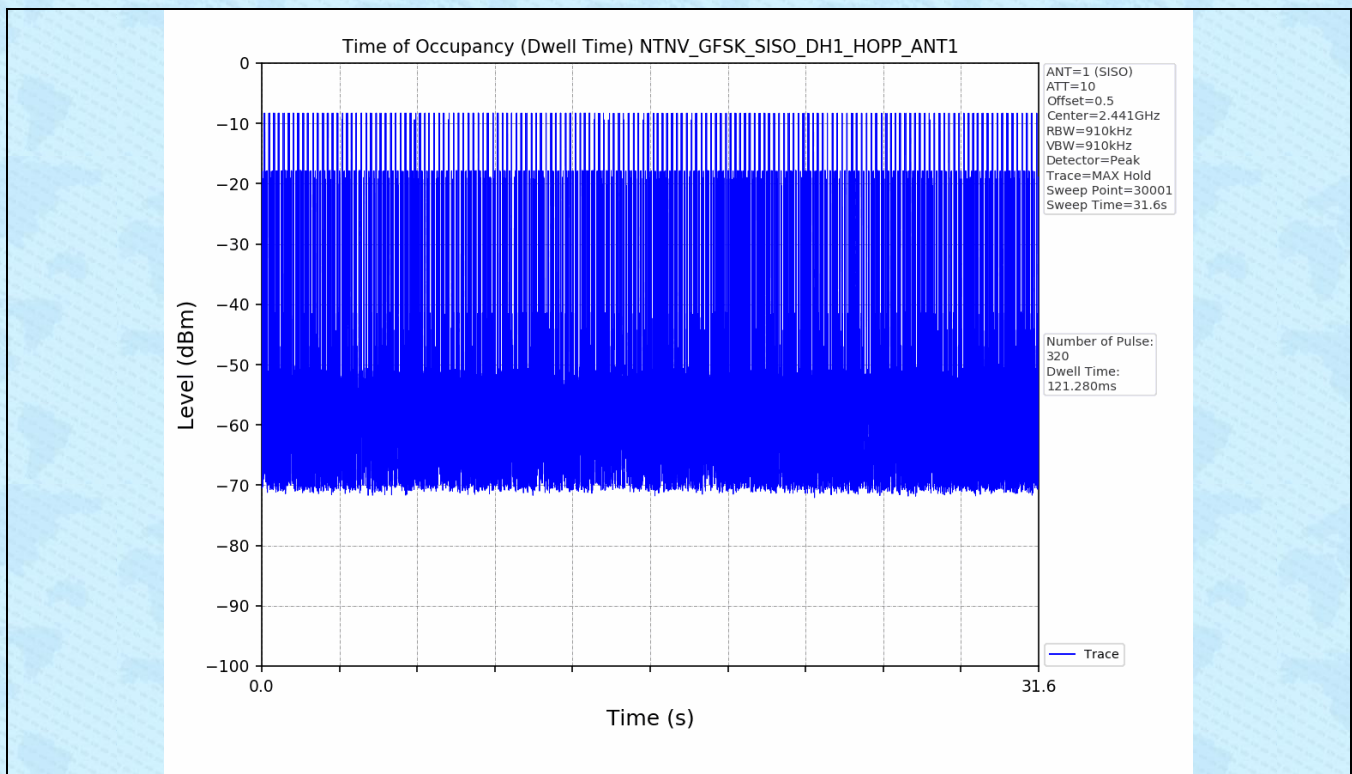
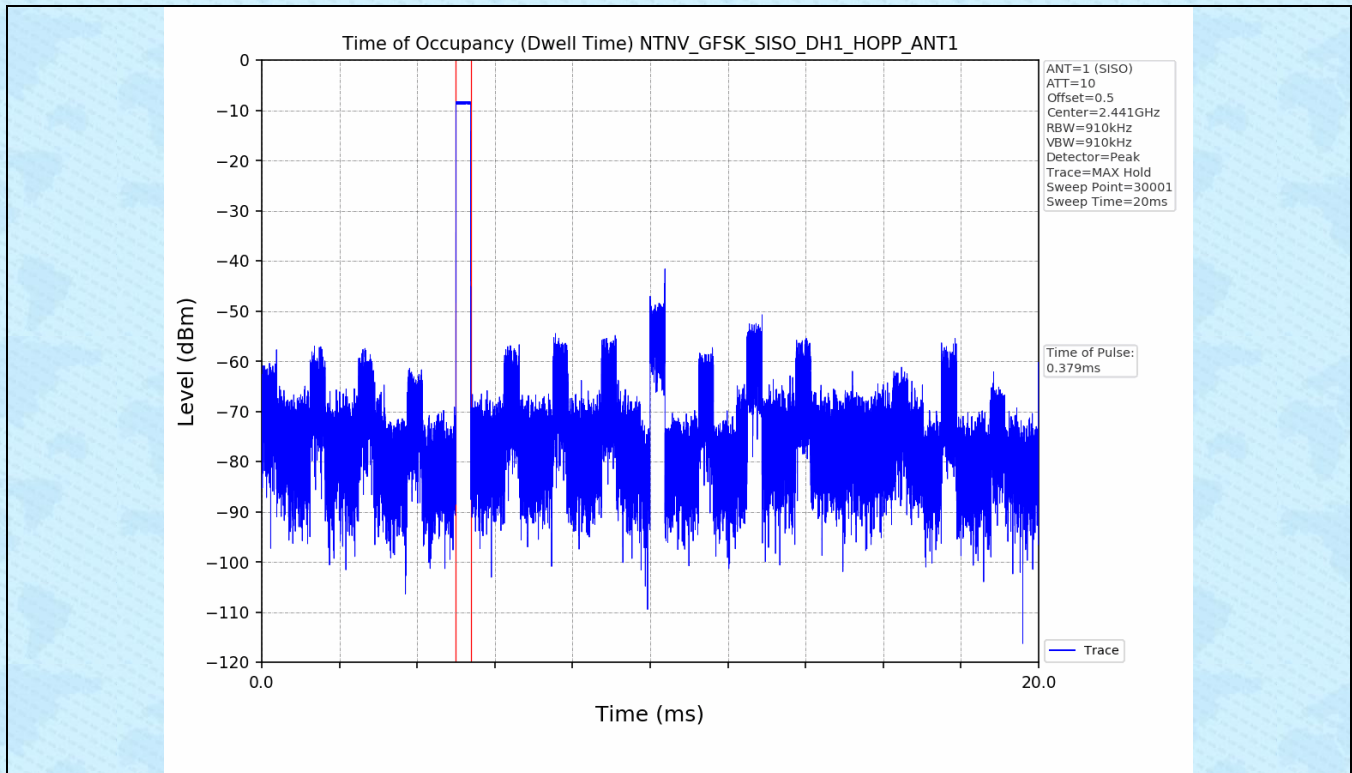


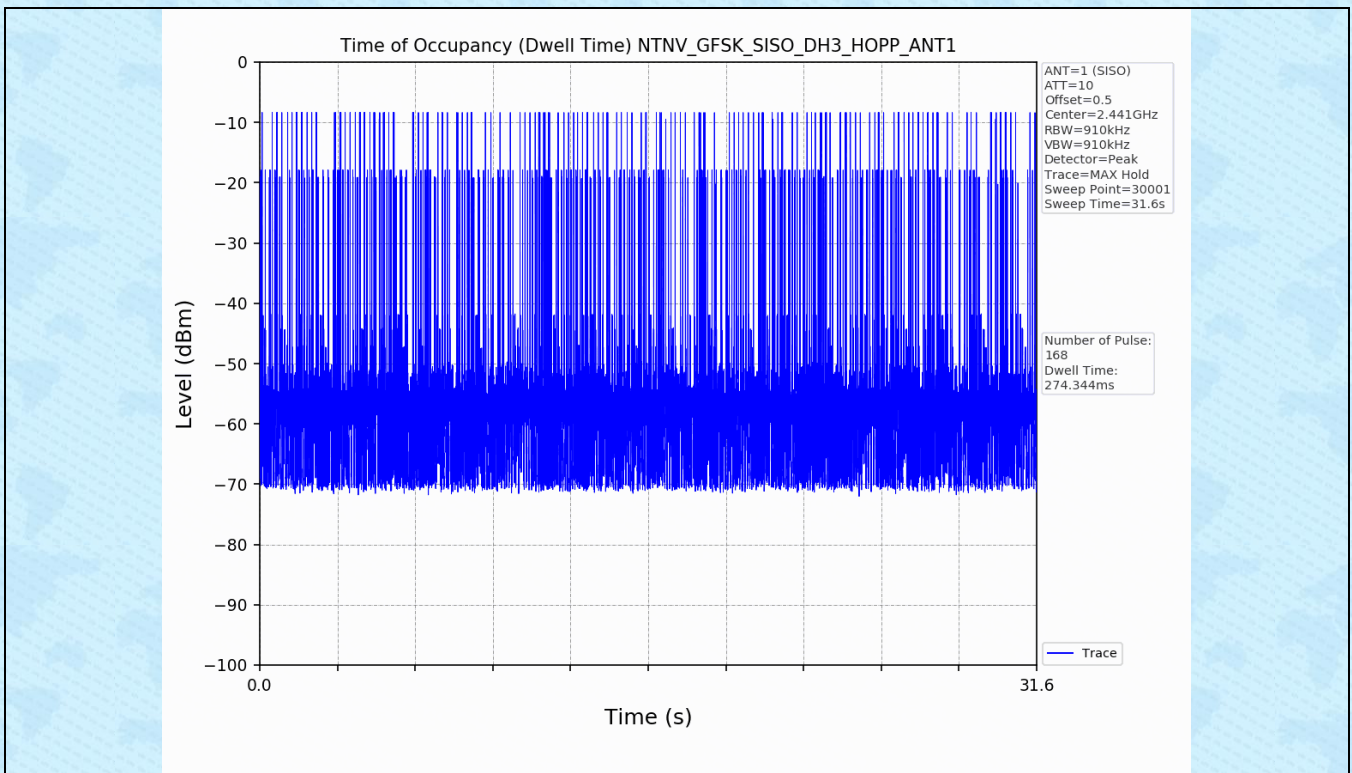
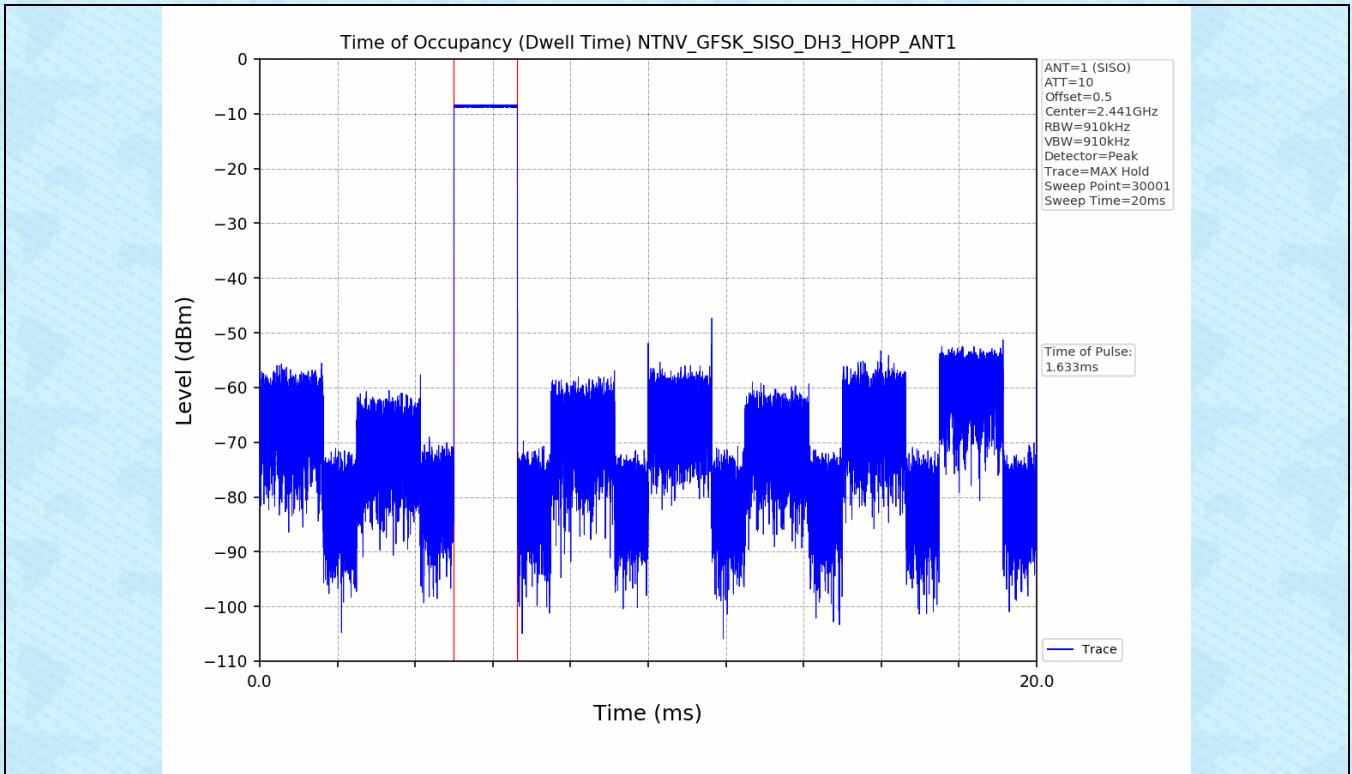
5. Time of Occupancy (Dwell Time)

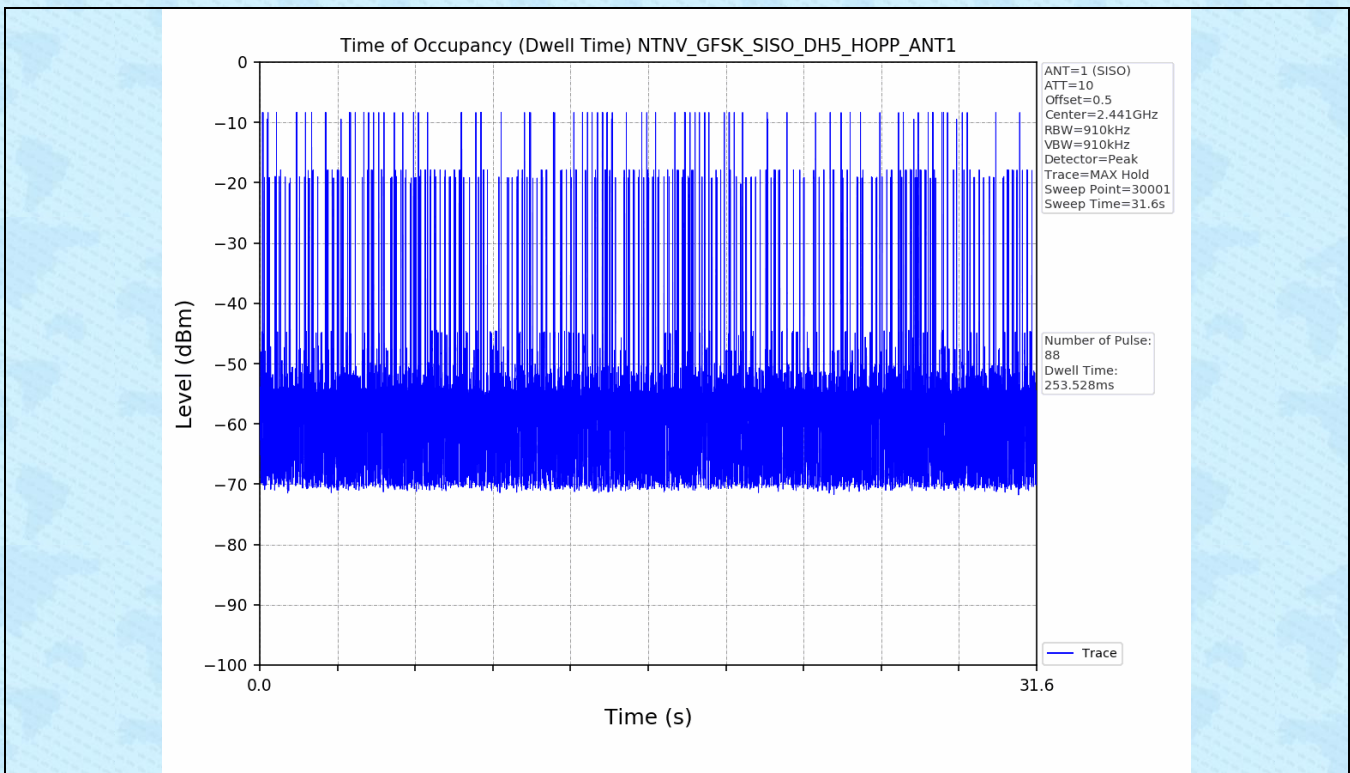
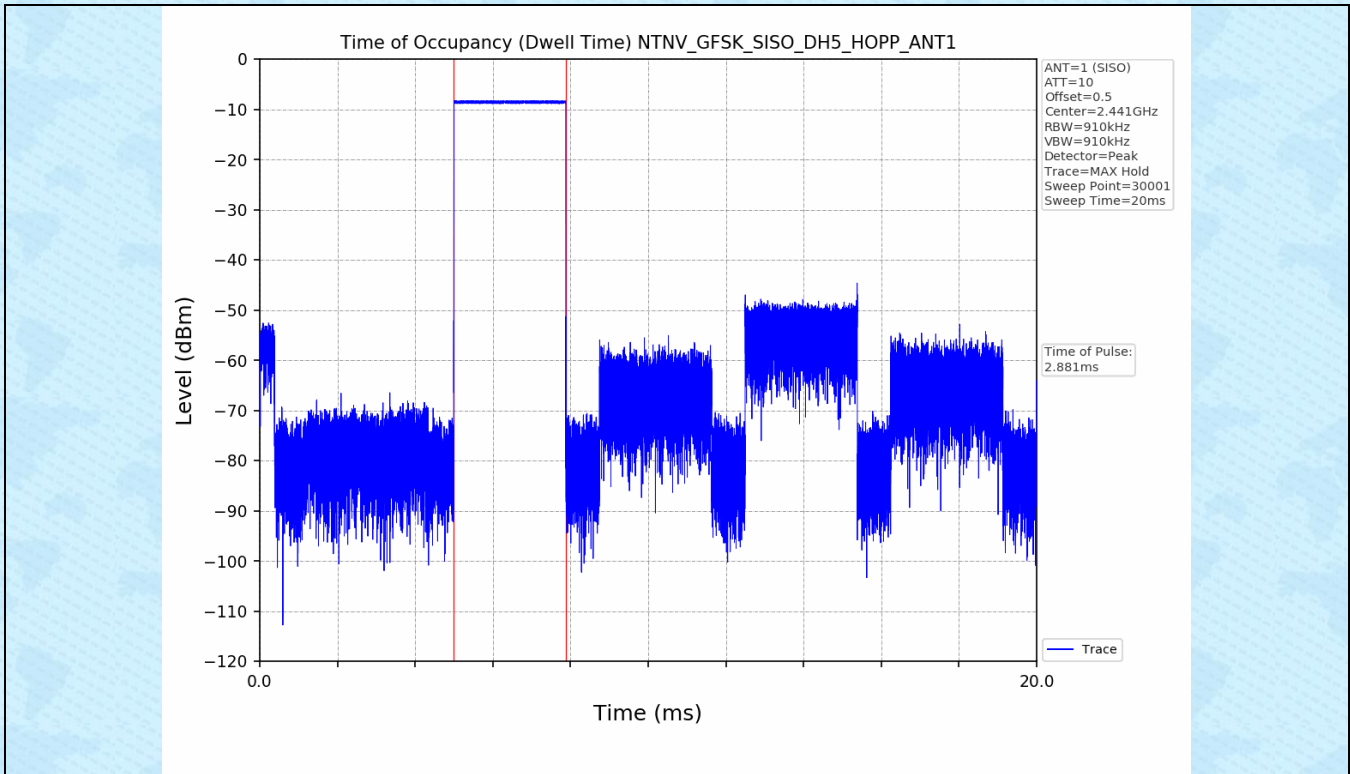
5.1 Test Result

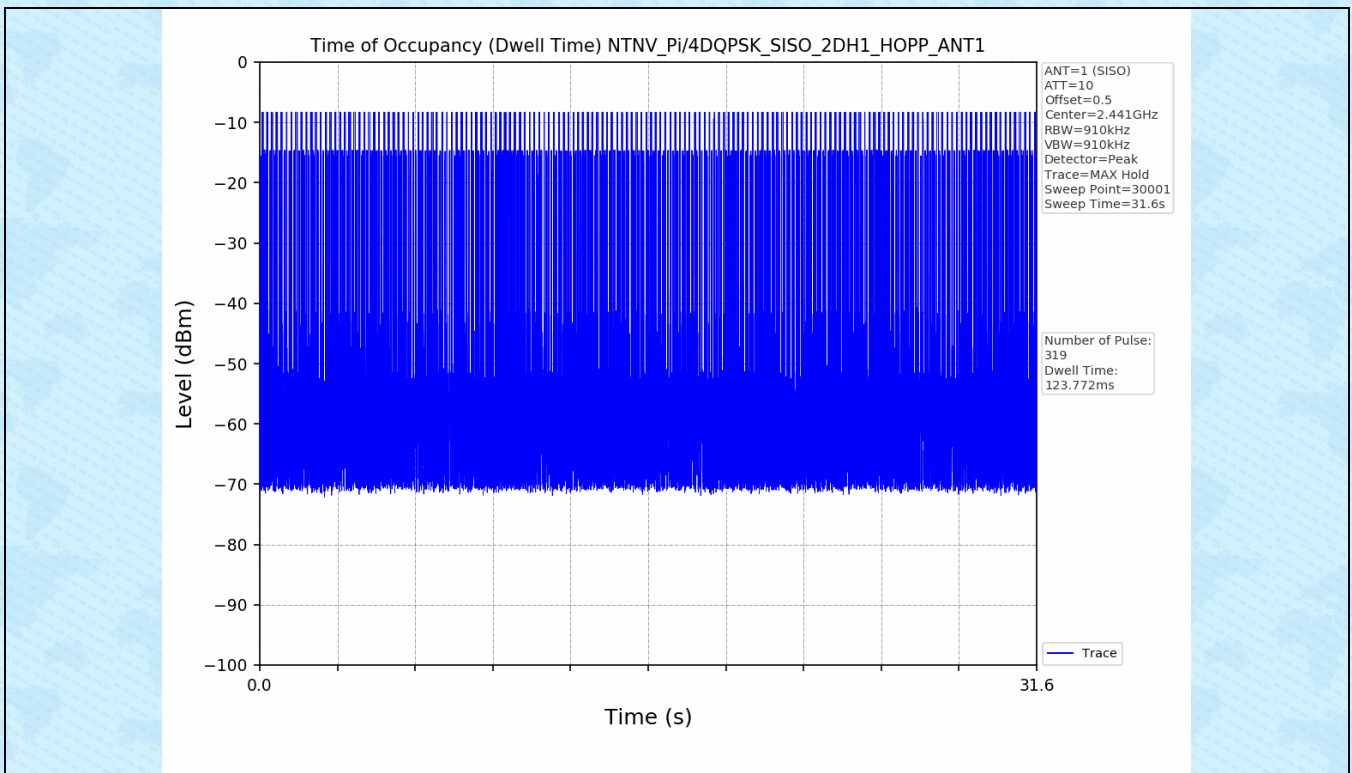
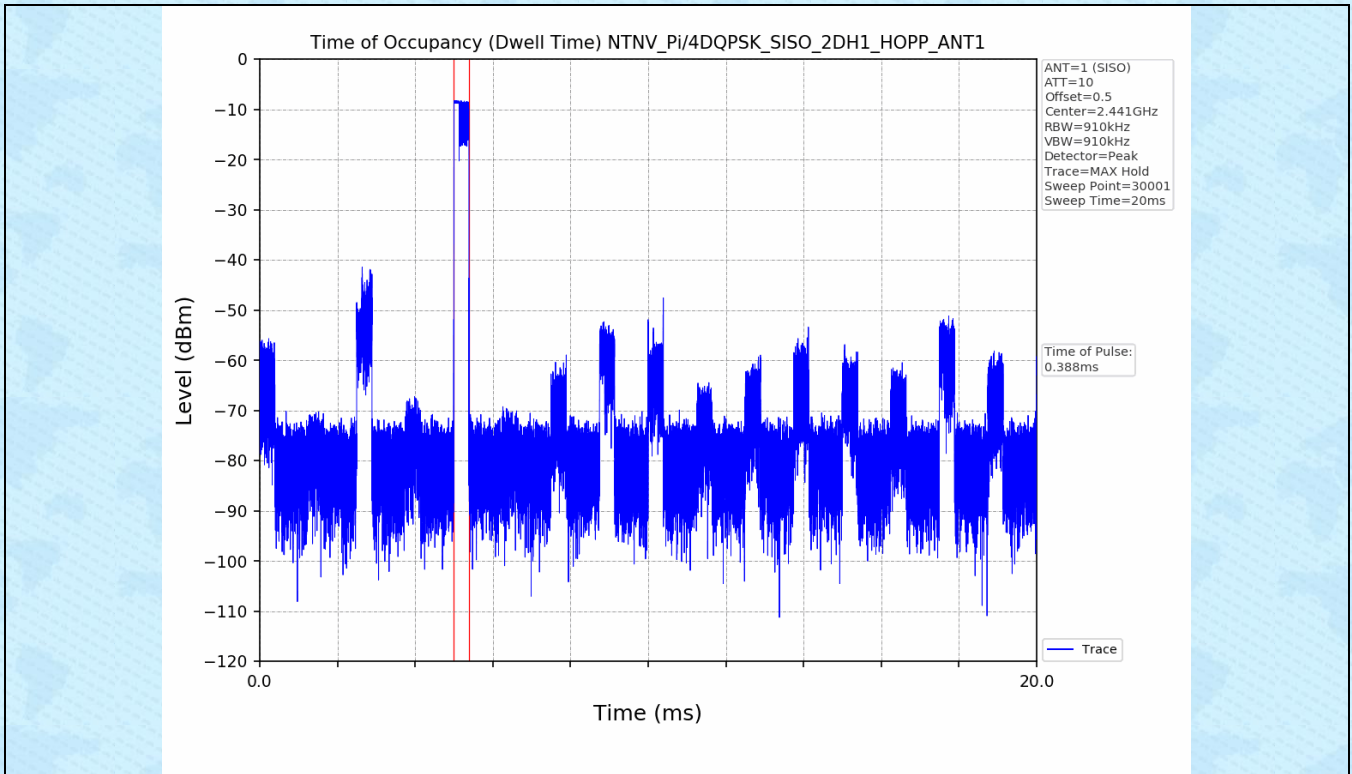
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.379	31.6	320	121.280	≤400	PASS
	DH3	SISO	1	1.633	31.6	168	274.344	≤400	PASS
	DH5	SISO	1	2.881	31.6	88	253.528	≤400	PASS
π/4-DQPSK	2DH1	SISO	1	0.388	31.6	319	123.772	≤400	PASS
	2DH3	SISO	1	1.565	31.6	161	251.965	≤400	PASS
	2DH5	SISO	1	2.888	31.6	108	311.904	≤400	PASS
8-DPSK	3DH1	SISO	1	0.389	31.6	316	122.924	≤400	PASS
	3DH3	SISO	1	1.638	31.6	153	250.614	≤400	PASS
	3DH5	SISO	1	2.889	31.6	124	358.236	≤400	PASS

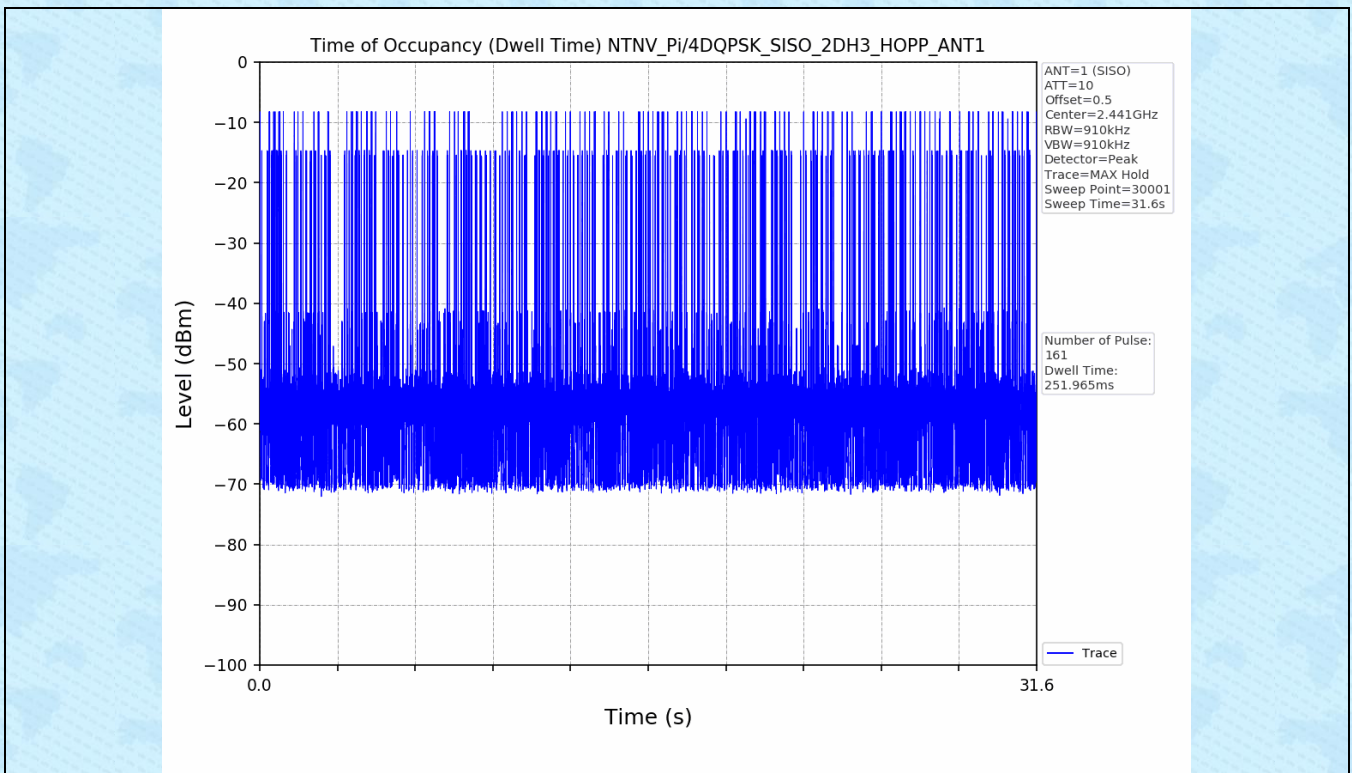
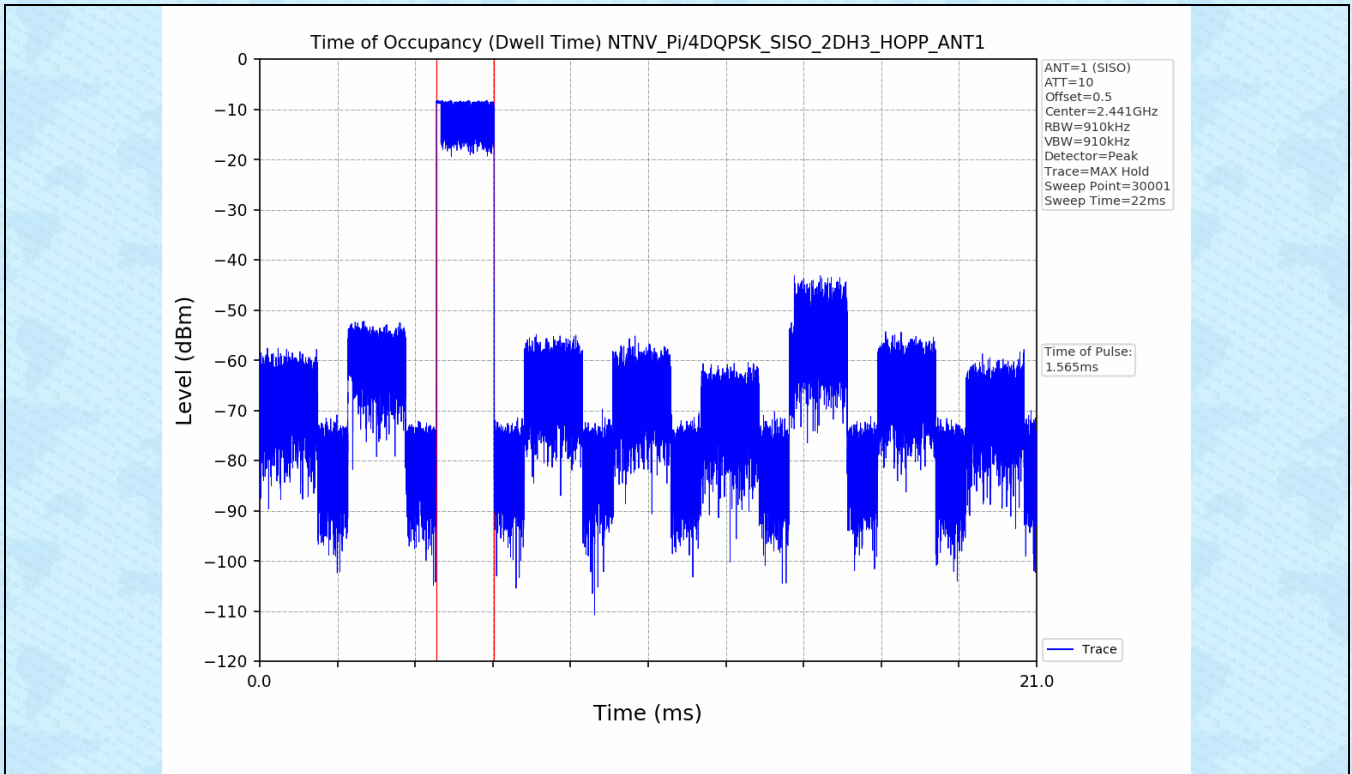
5.2 Test Graph

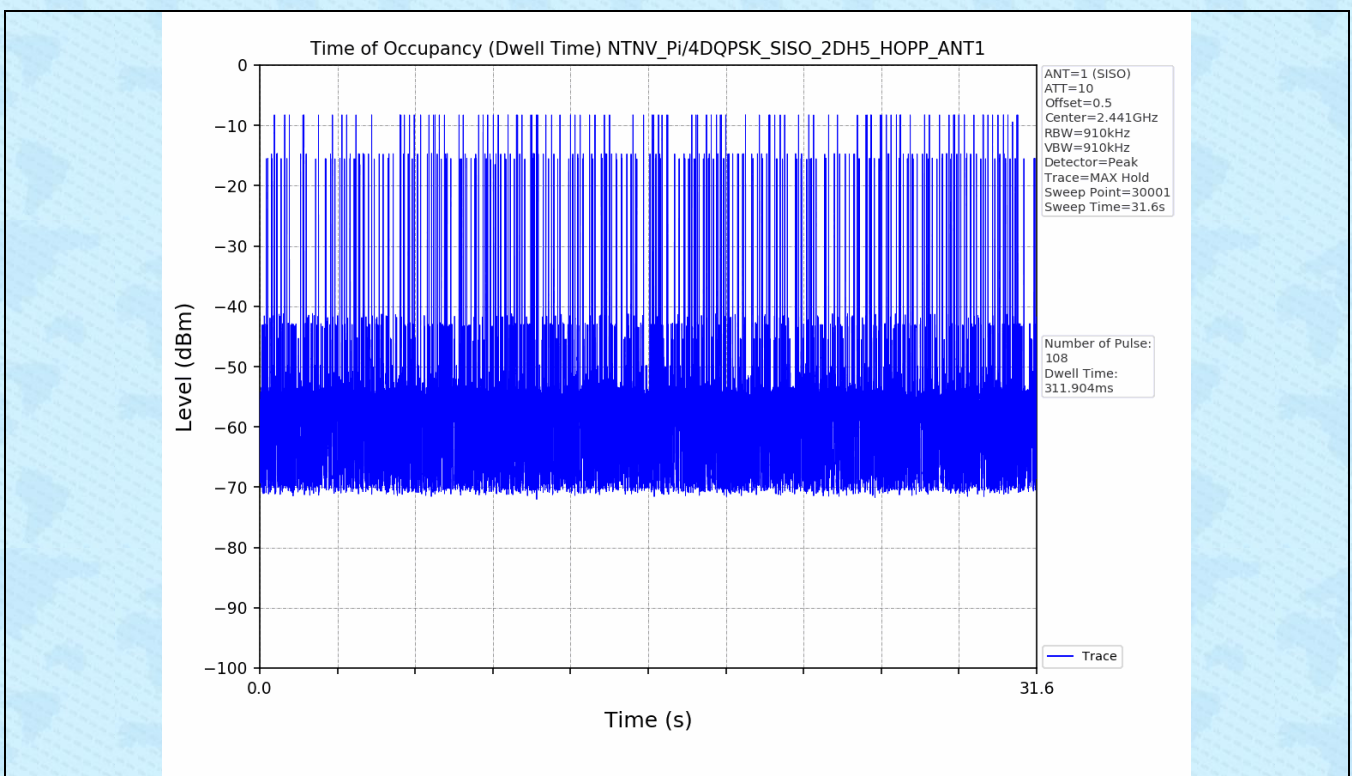
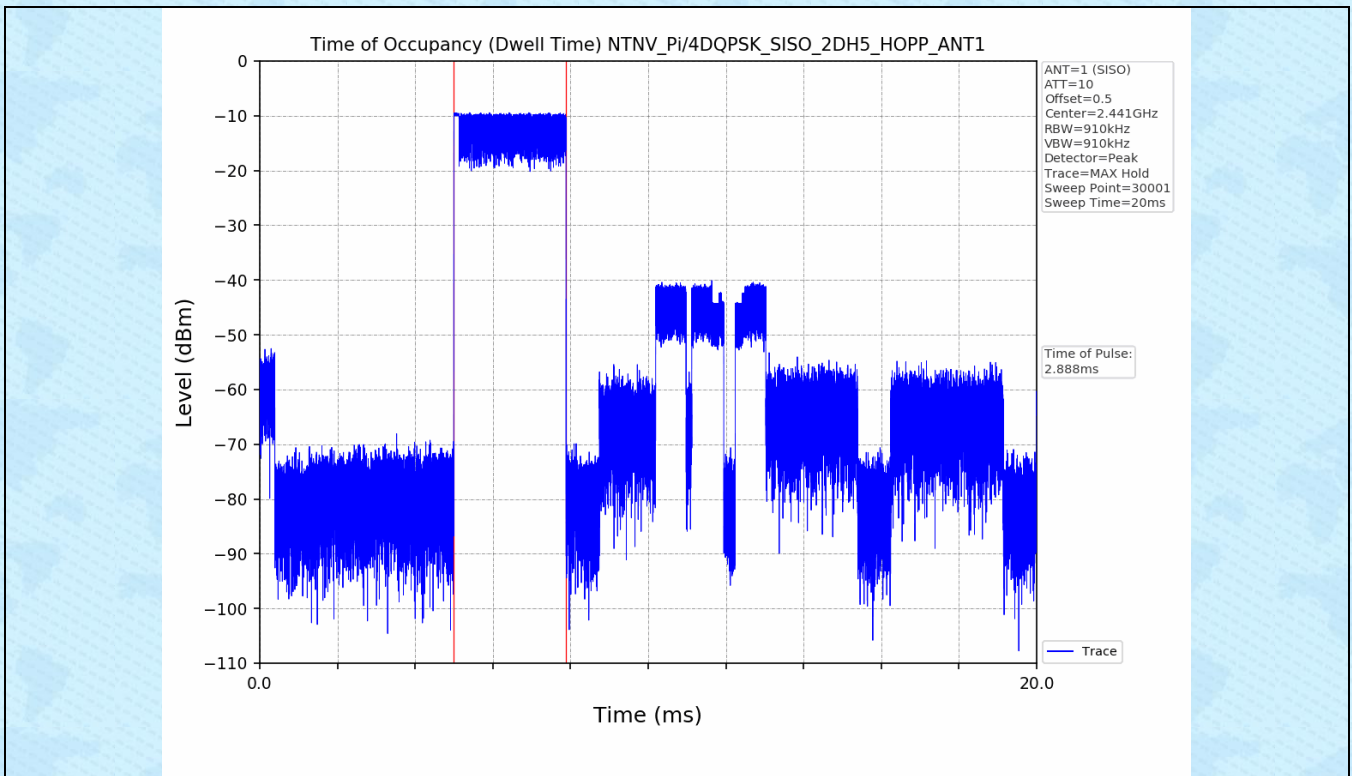


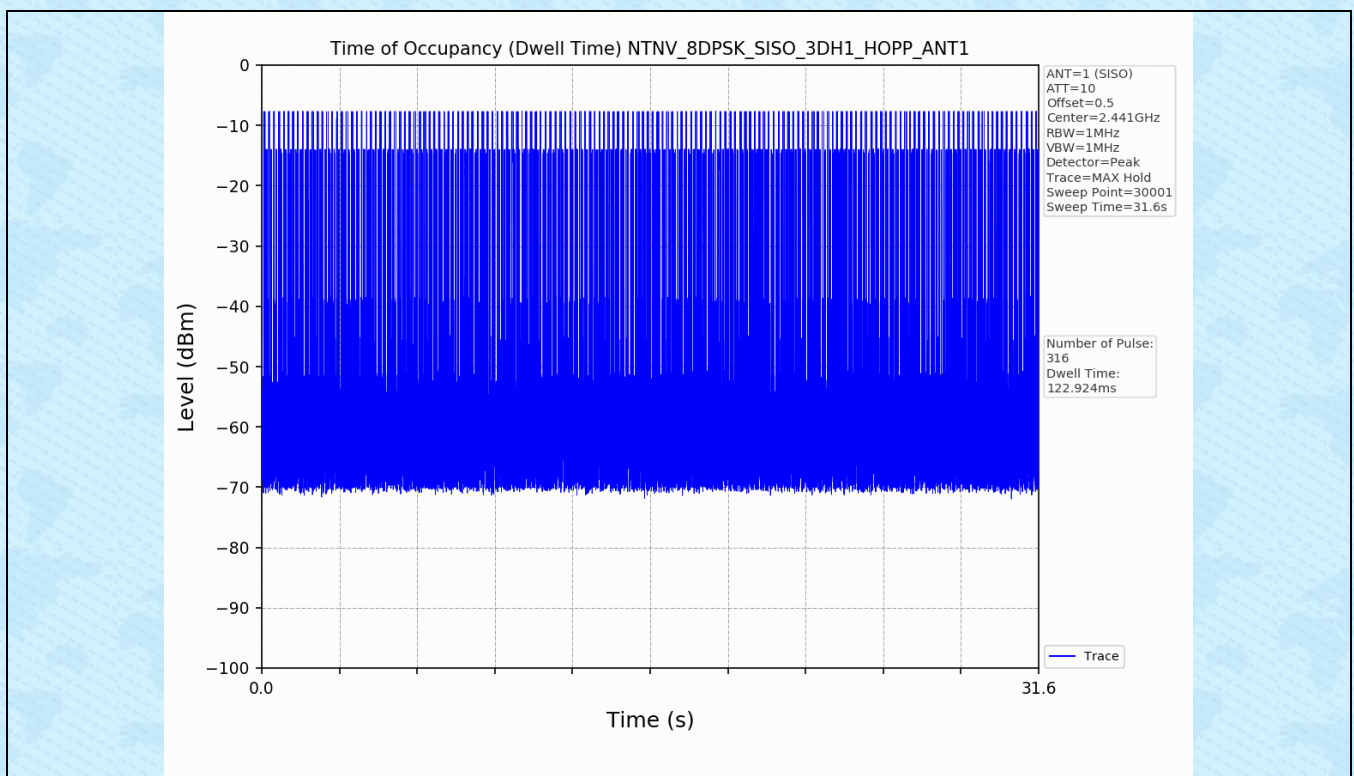
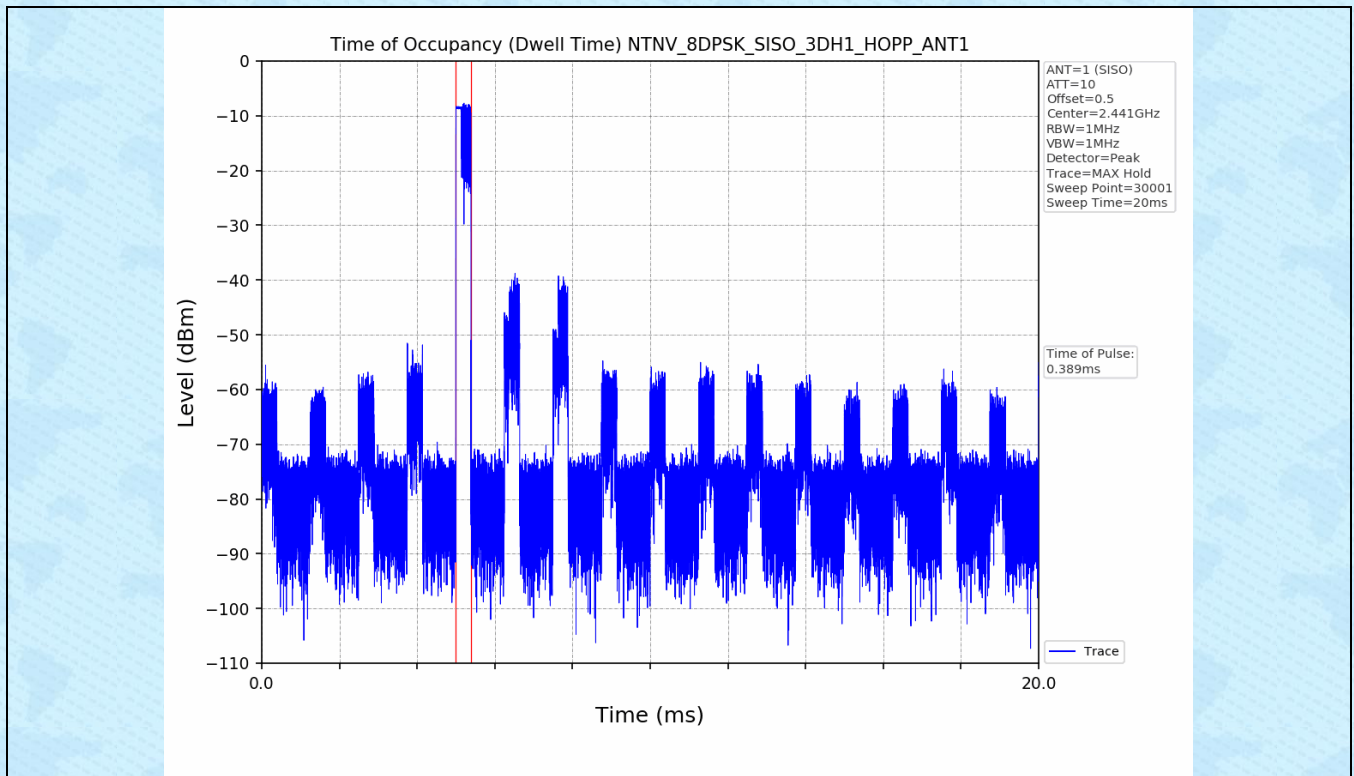


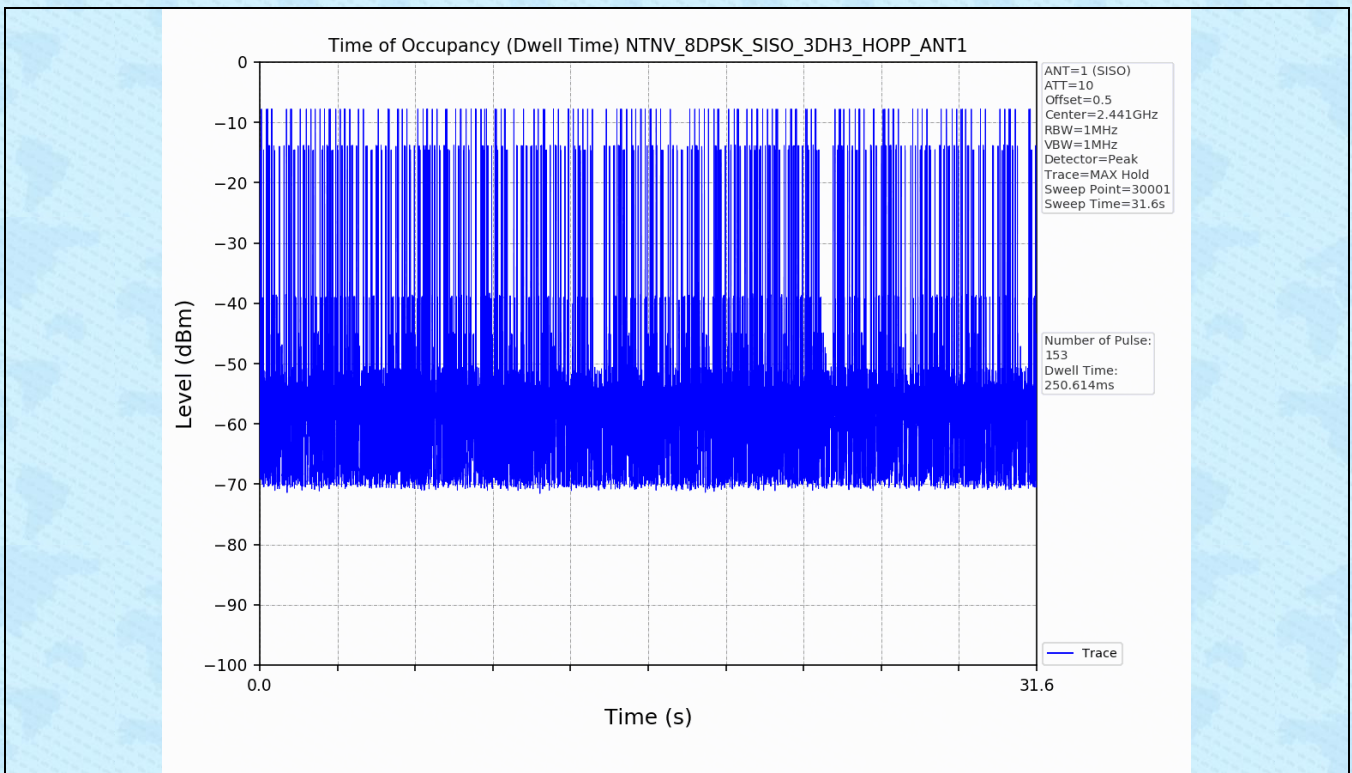
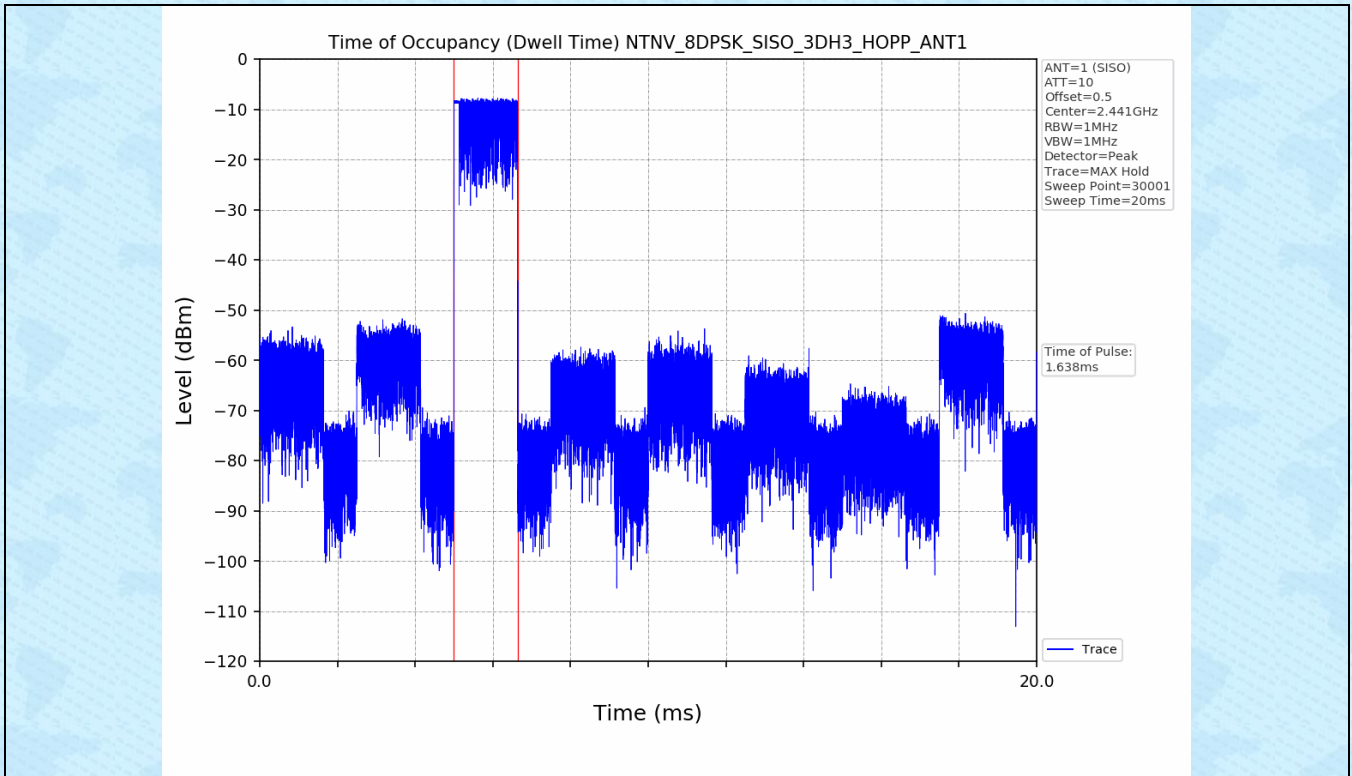


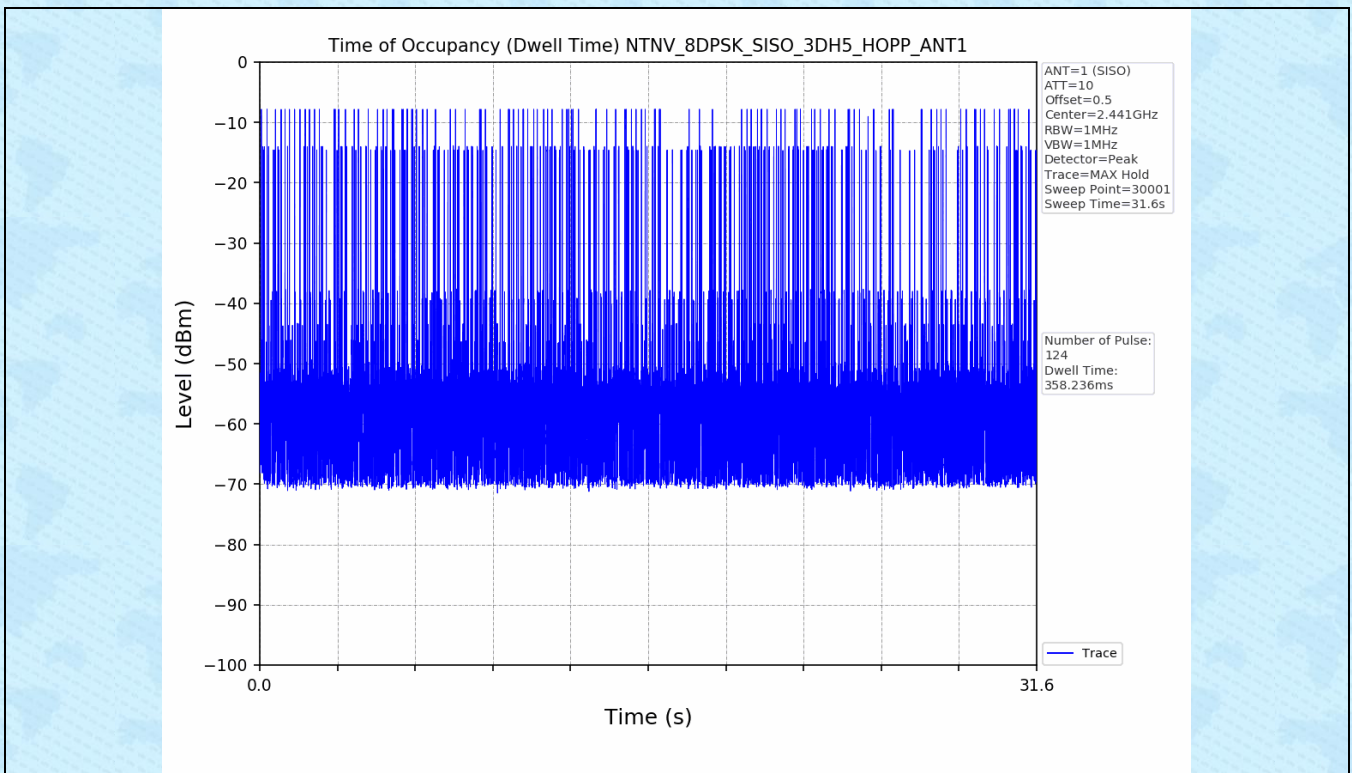
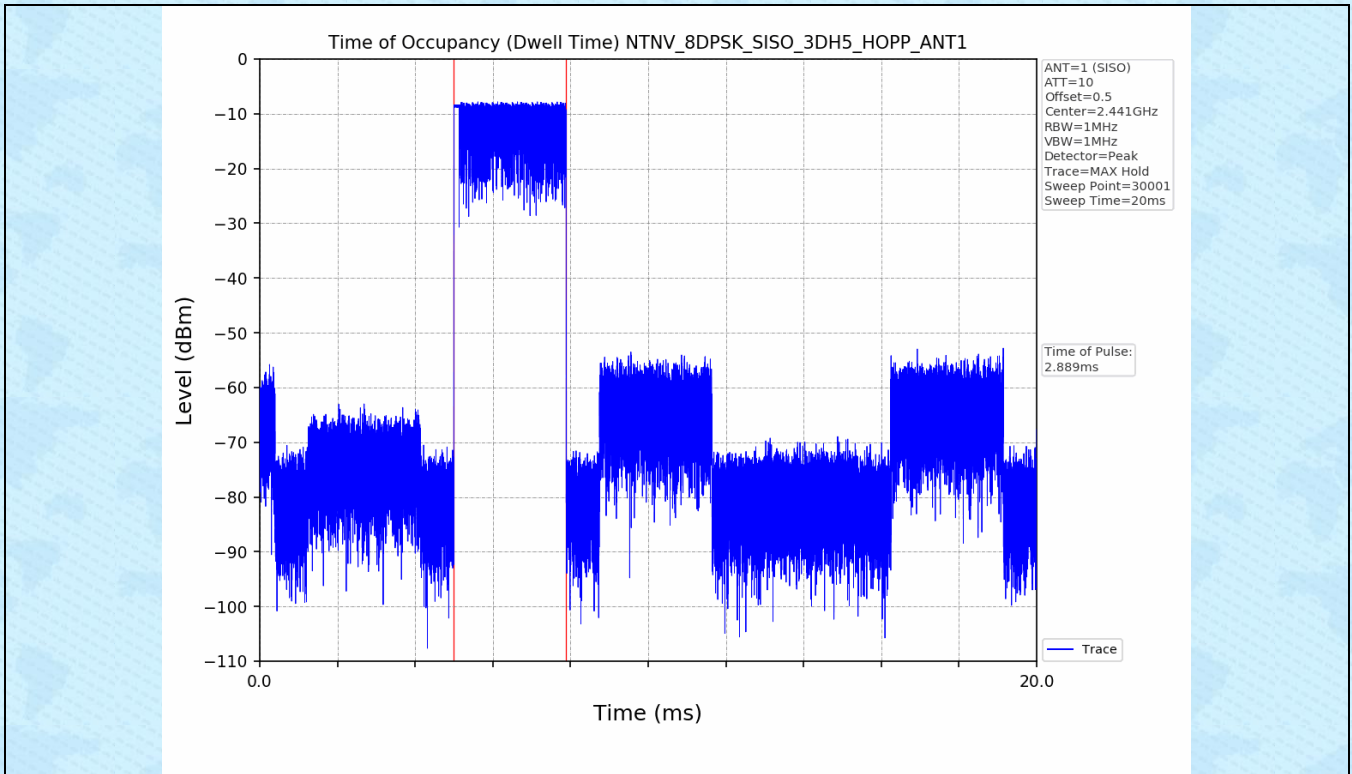










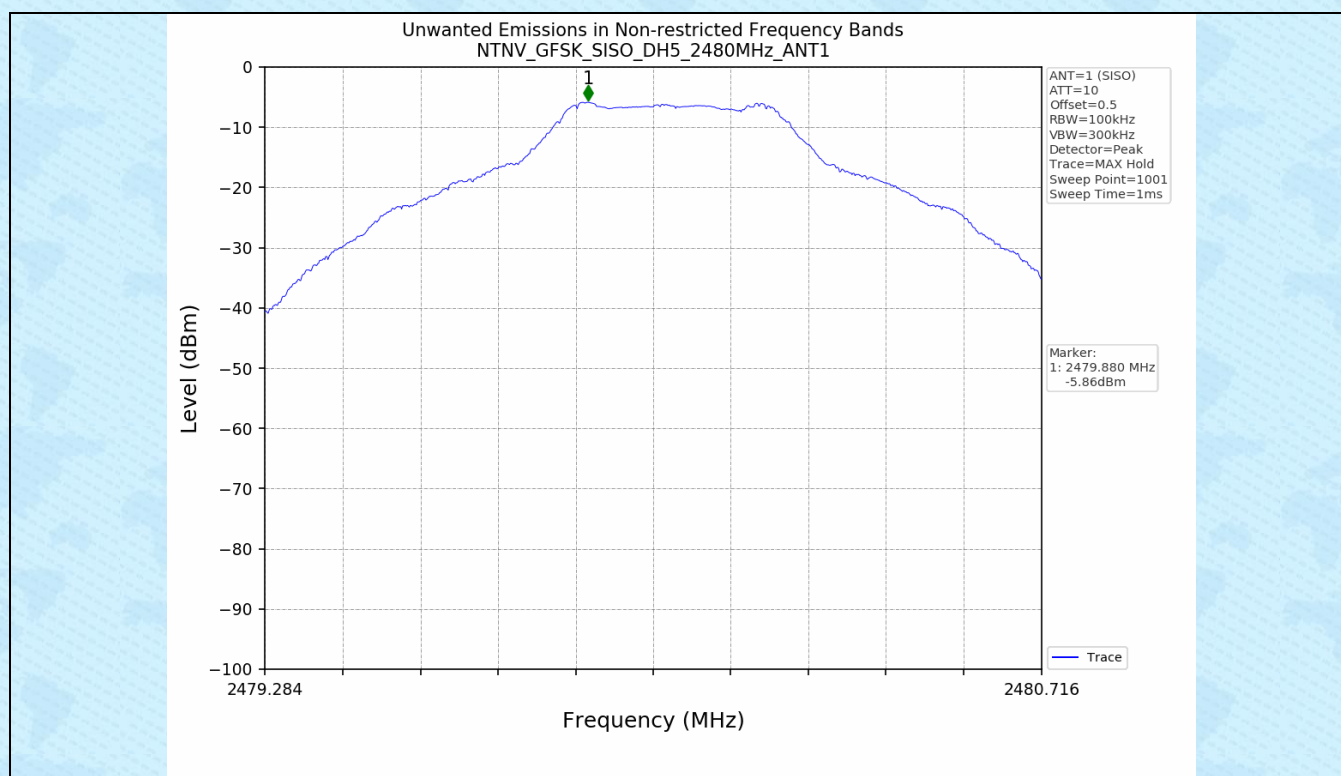


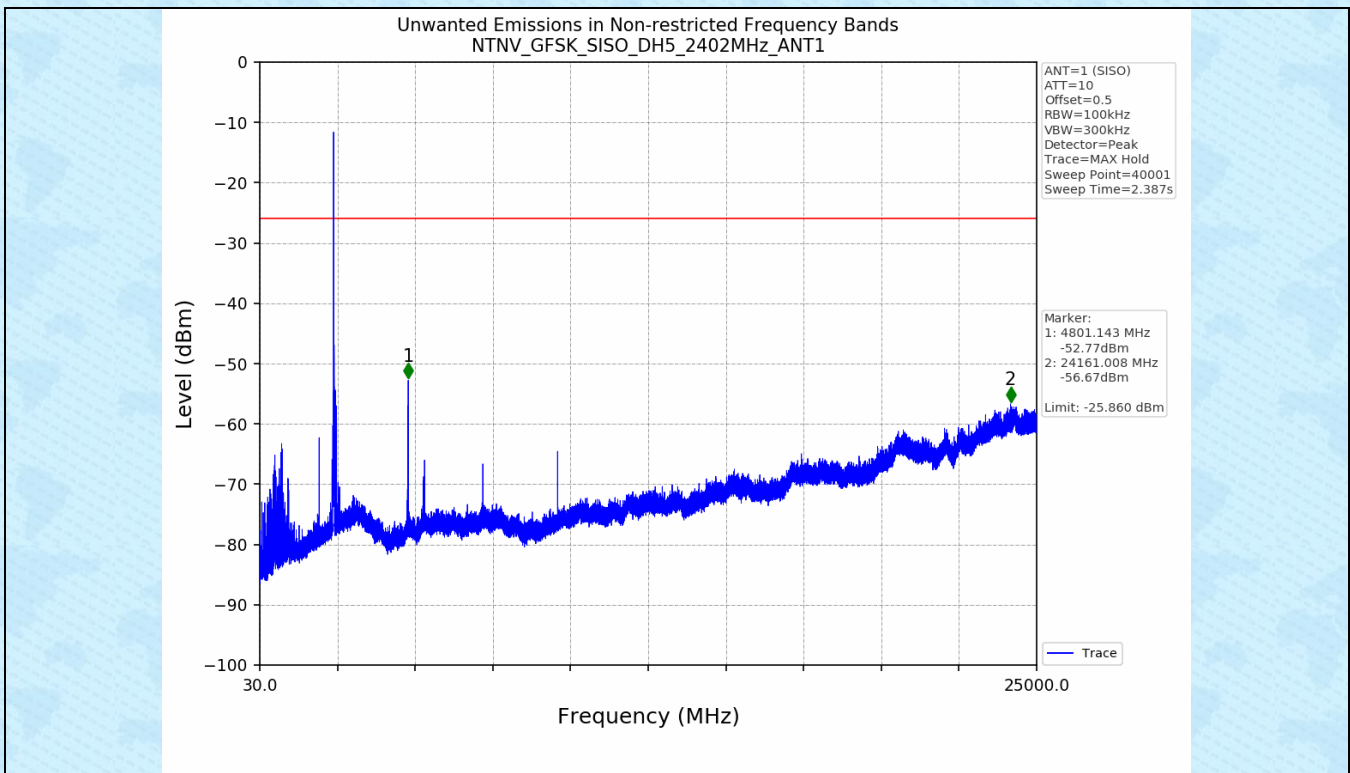
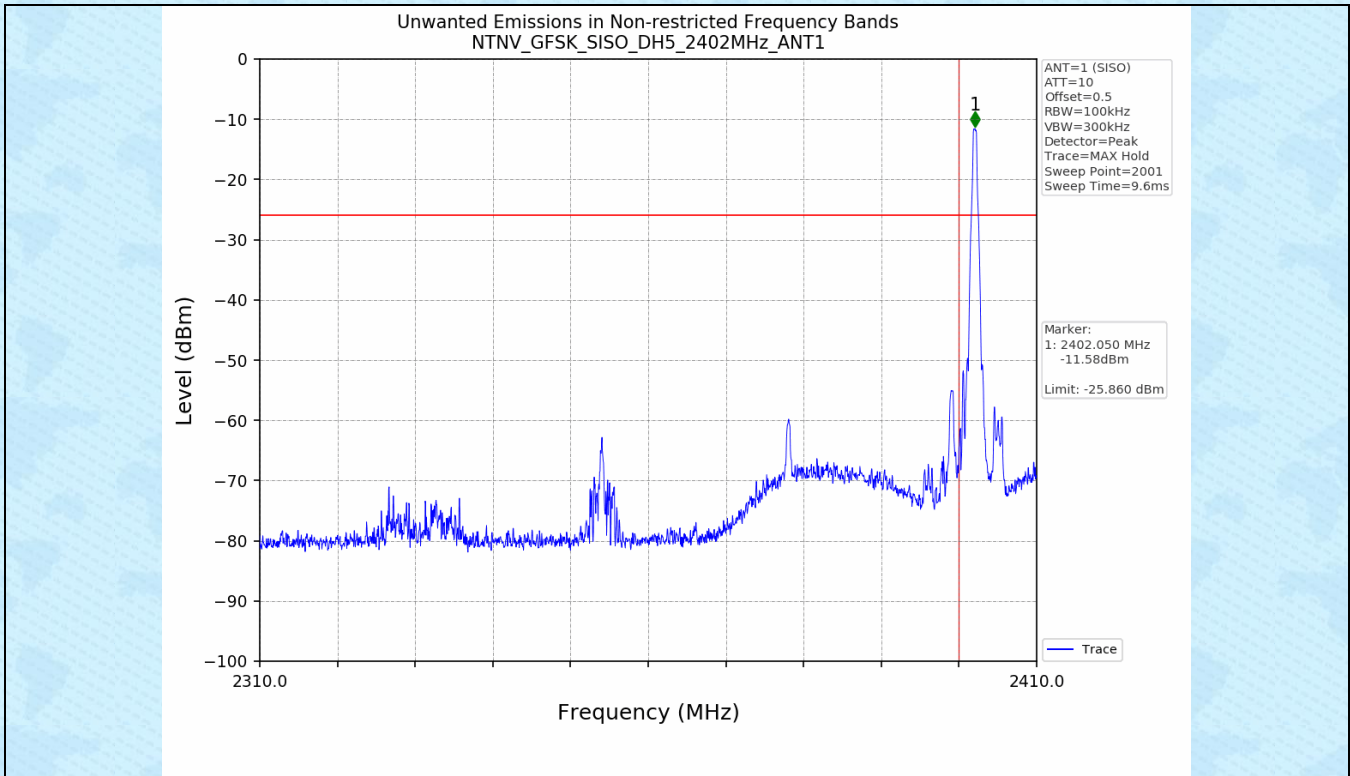
6. Unwanted Emissions in Non-restricted Frequency Bands

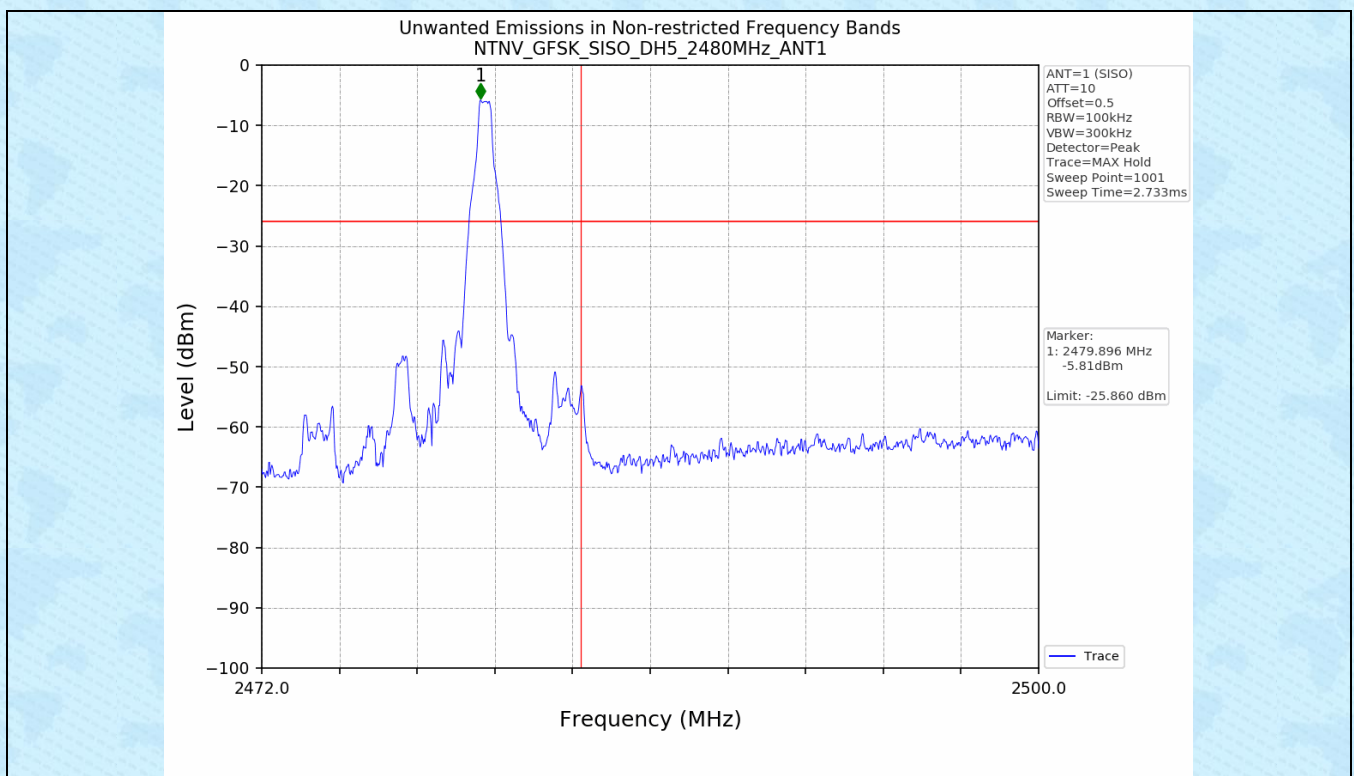
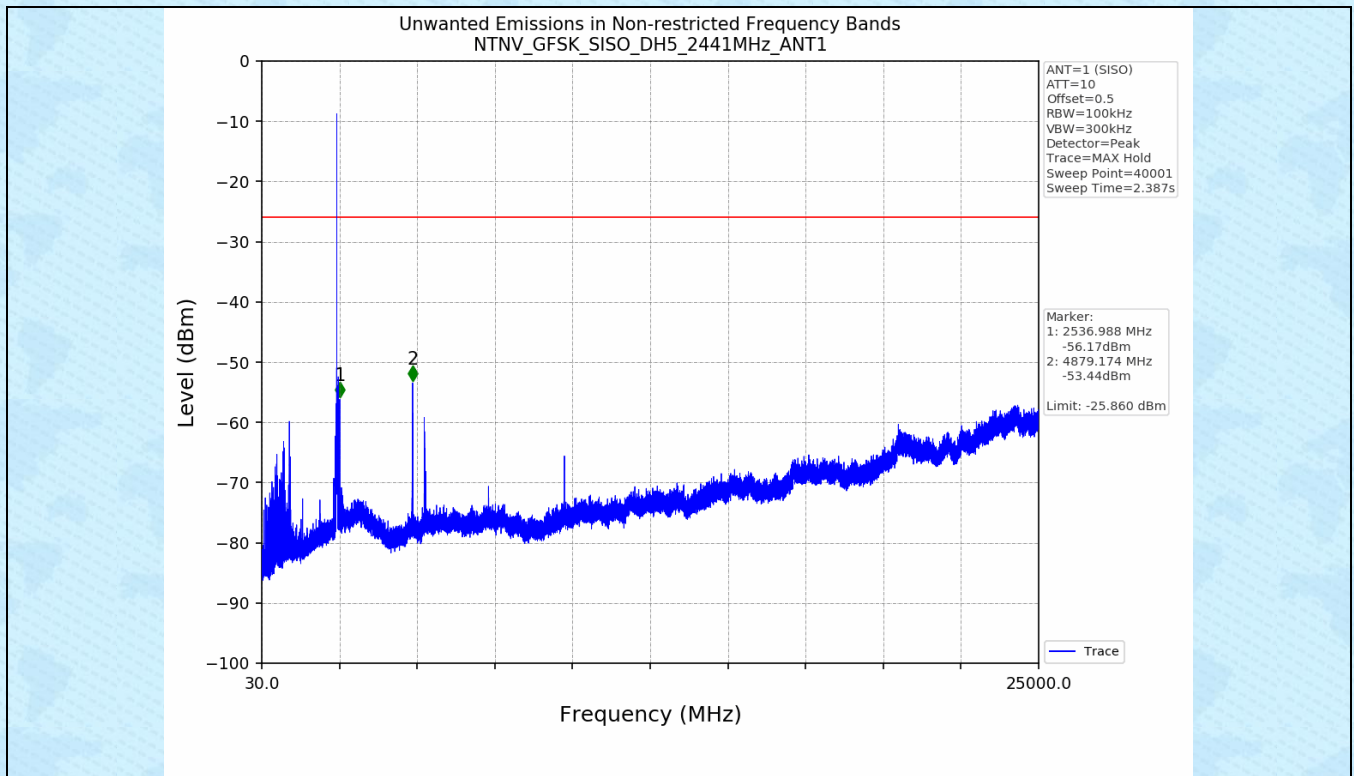
6.1 Test Result

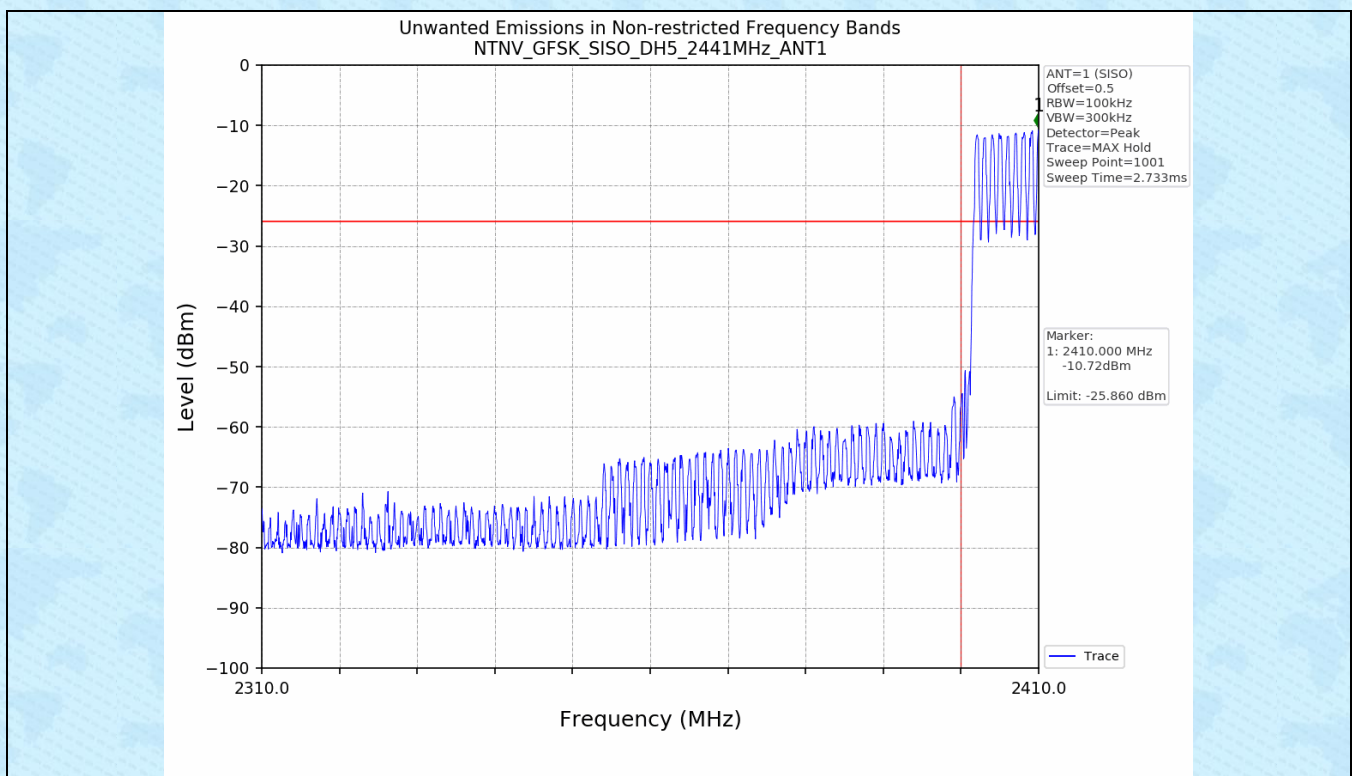
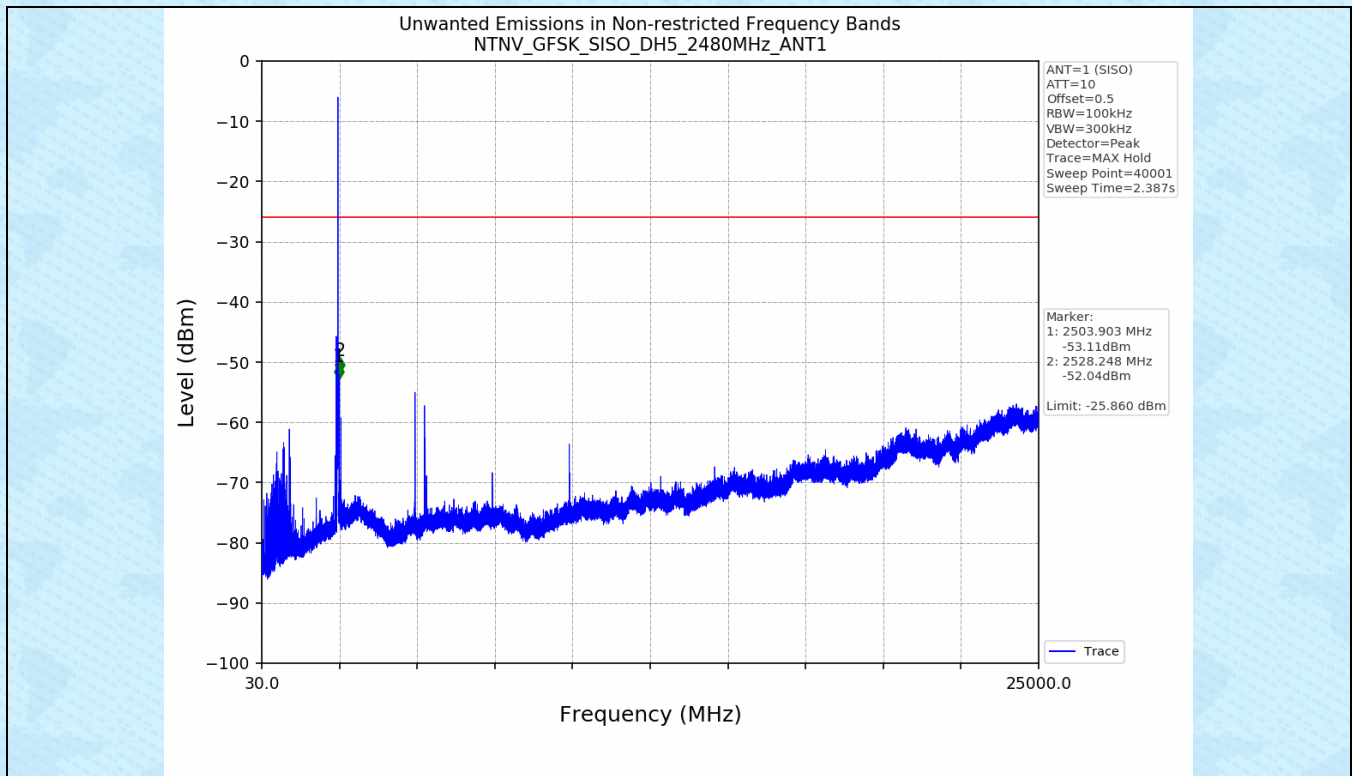
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-25.86	PASS
	2441	SISO	1	Refer to test graph	-25.86	PASS
	2480	SISO	1	Refer to test graph	-25.86	PASS
	Hopping	SISO	1	Refer to test graph	-25.86	PASS
$\pi/4$ -DQPSK	2402	SISO	1	Refer to test graph	-25.86	PASS
	2441	SISO	1	Refer to test graph	-25.86	PASS
	2480	SISO	1	Refer to test graph	-25.86	PASS
	Hopping	SISO	1	Refer to test graph	-25.86	PASS
8-DPSK	2402	SISO	1	Refer to test graph	-25.85	PASS
	2480	SISO	1	Refer to test graph	-25.85	PASS
	Hopping	SISO	1	Refer to test graph	-25.85	PASS

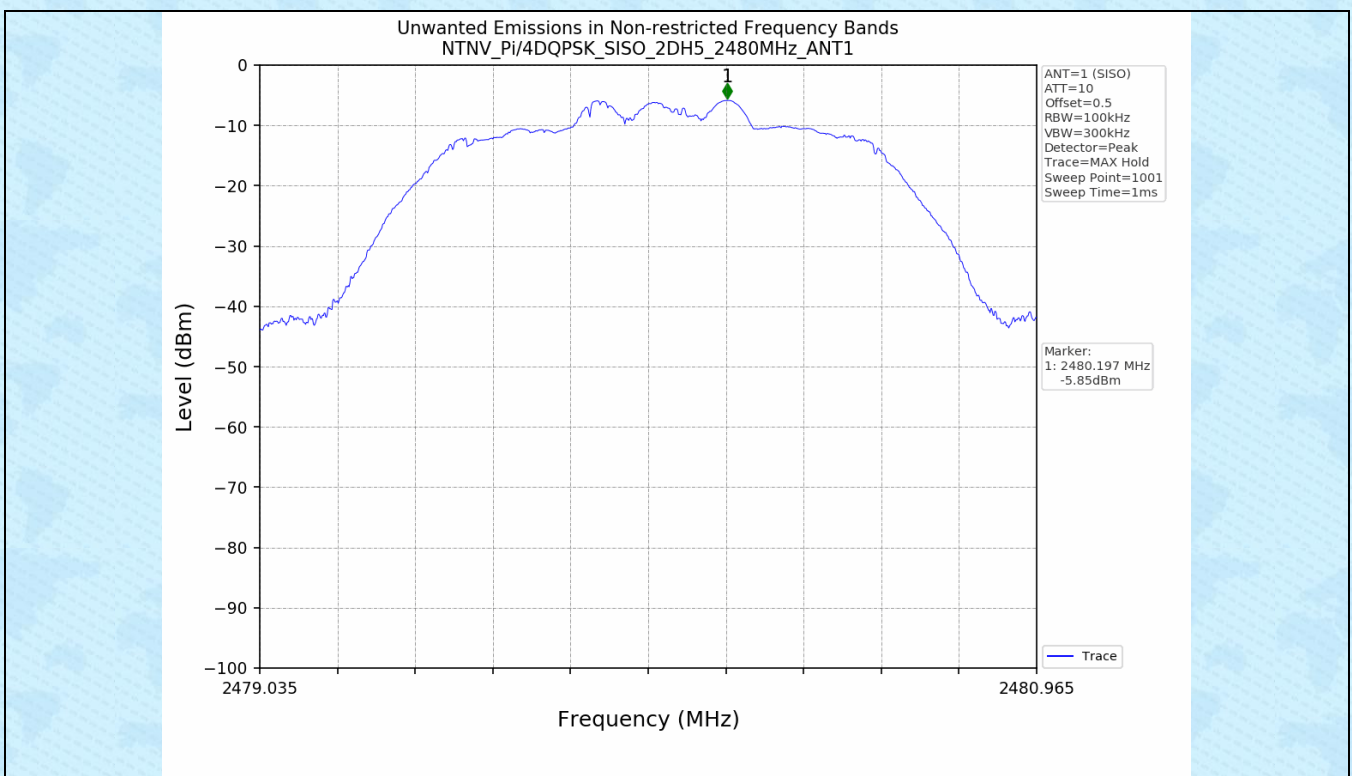
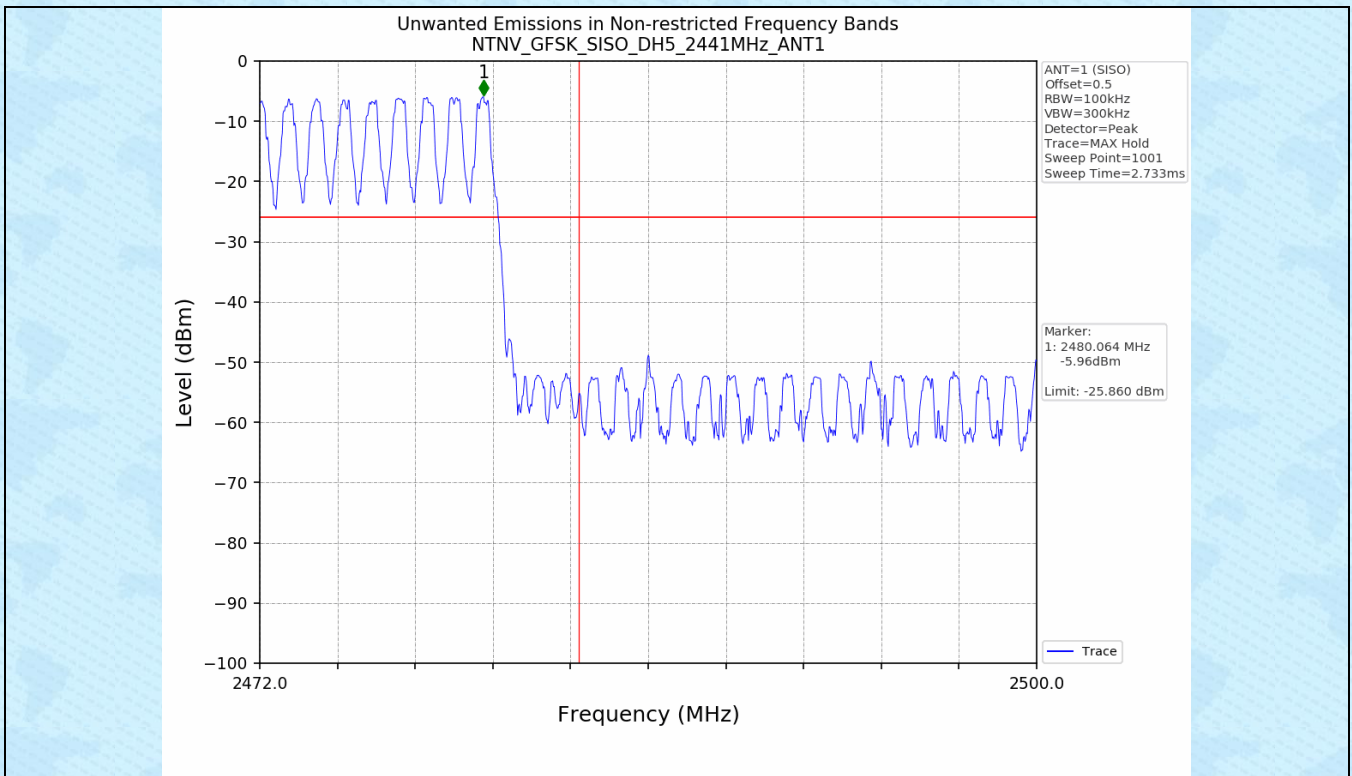
6.2 Test Graph

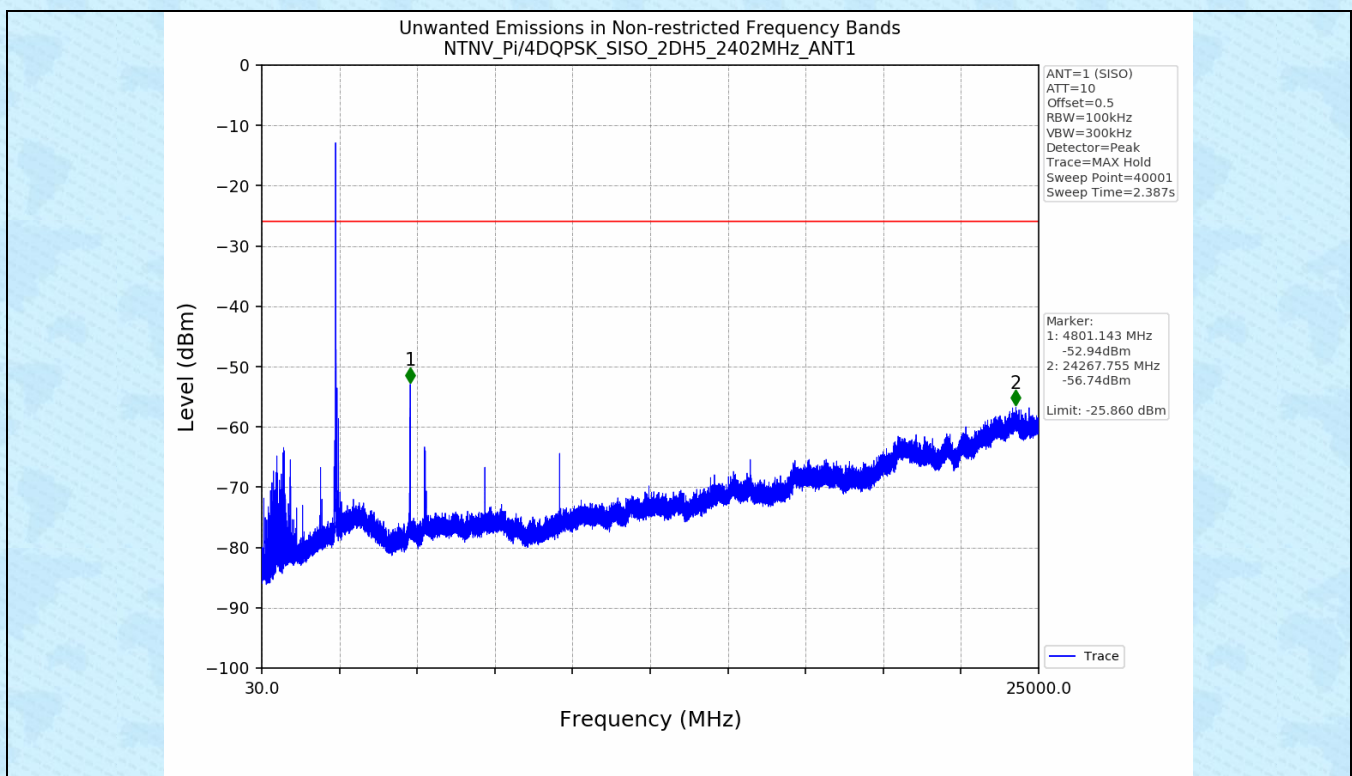
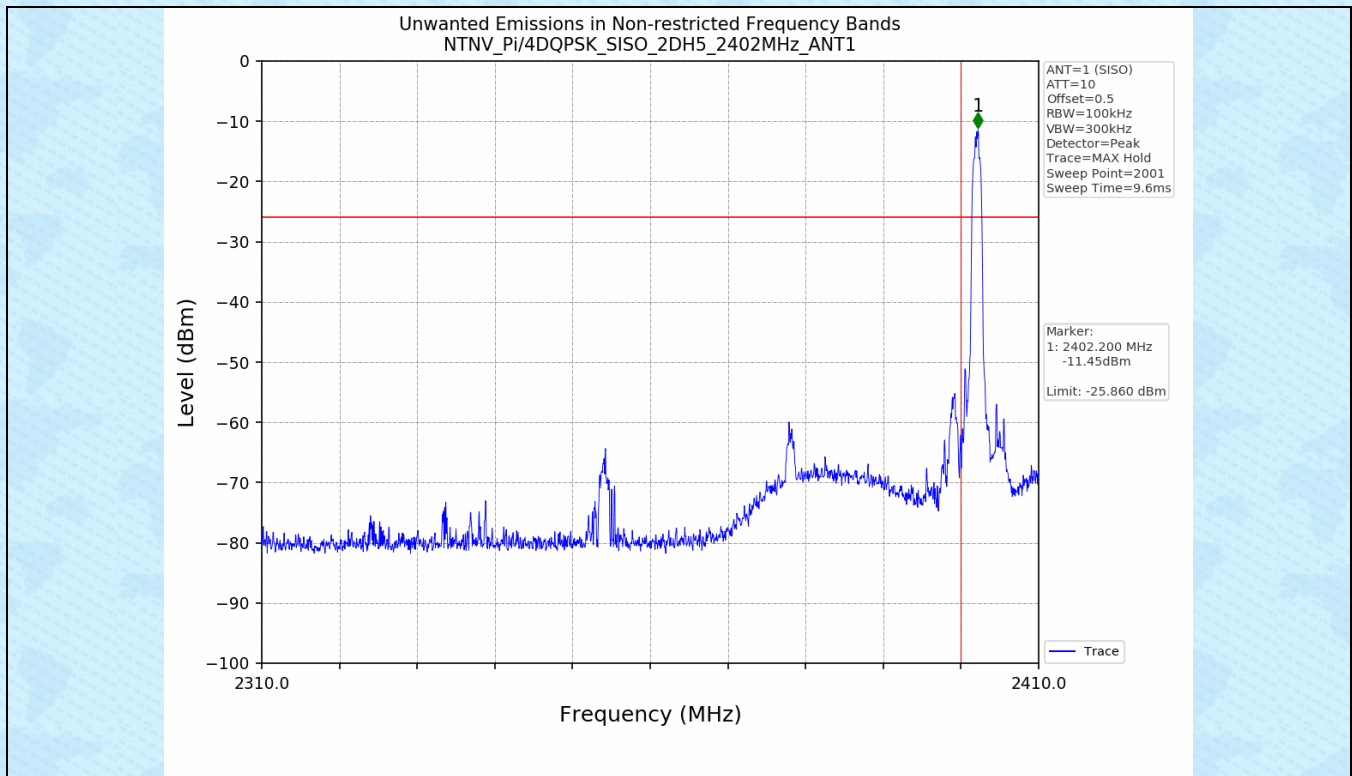


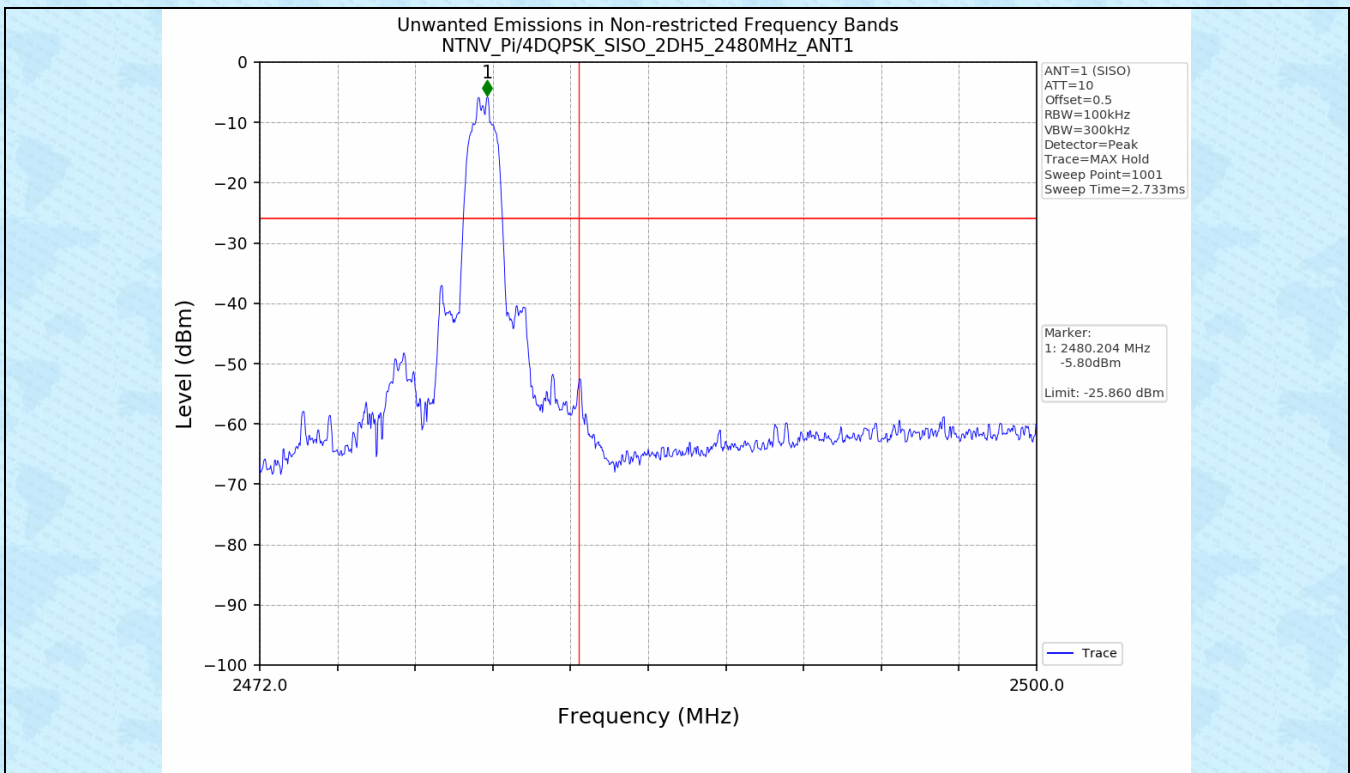
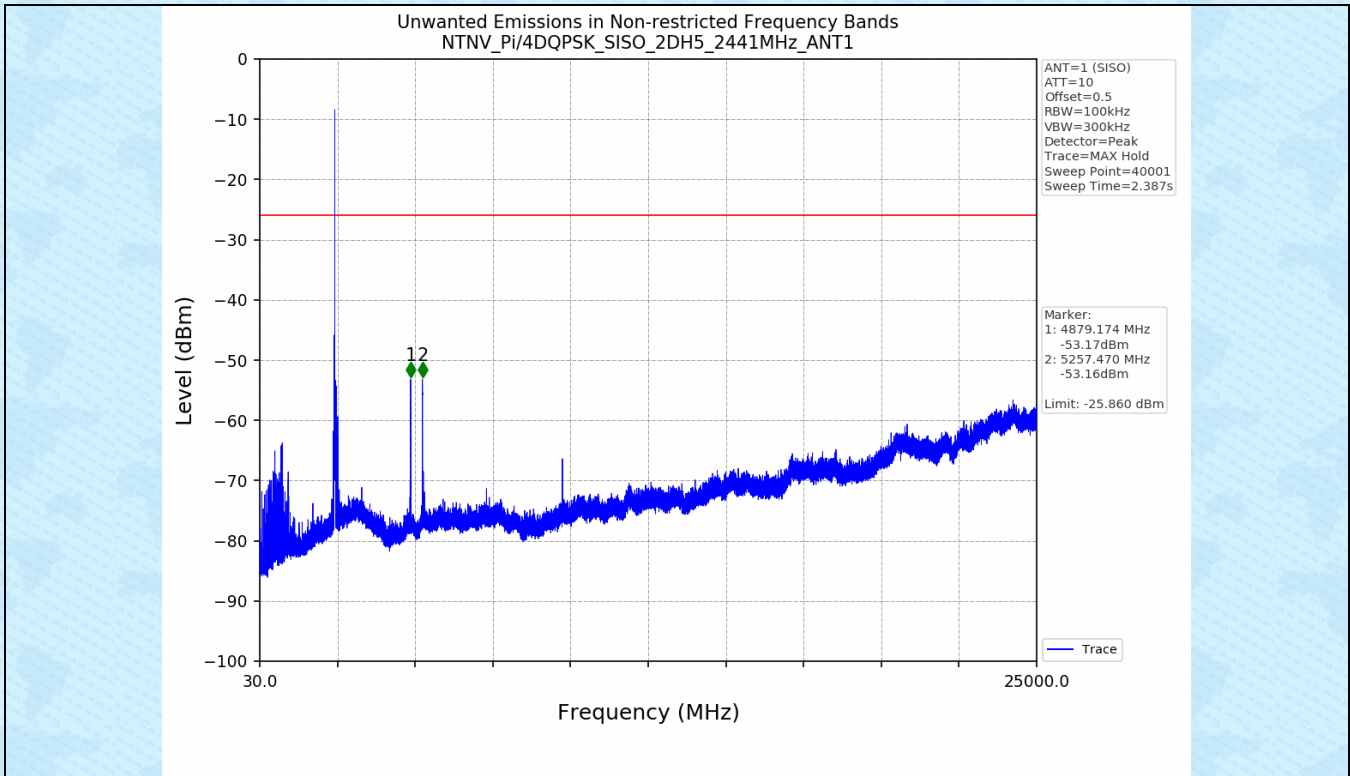


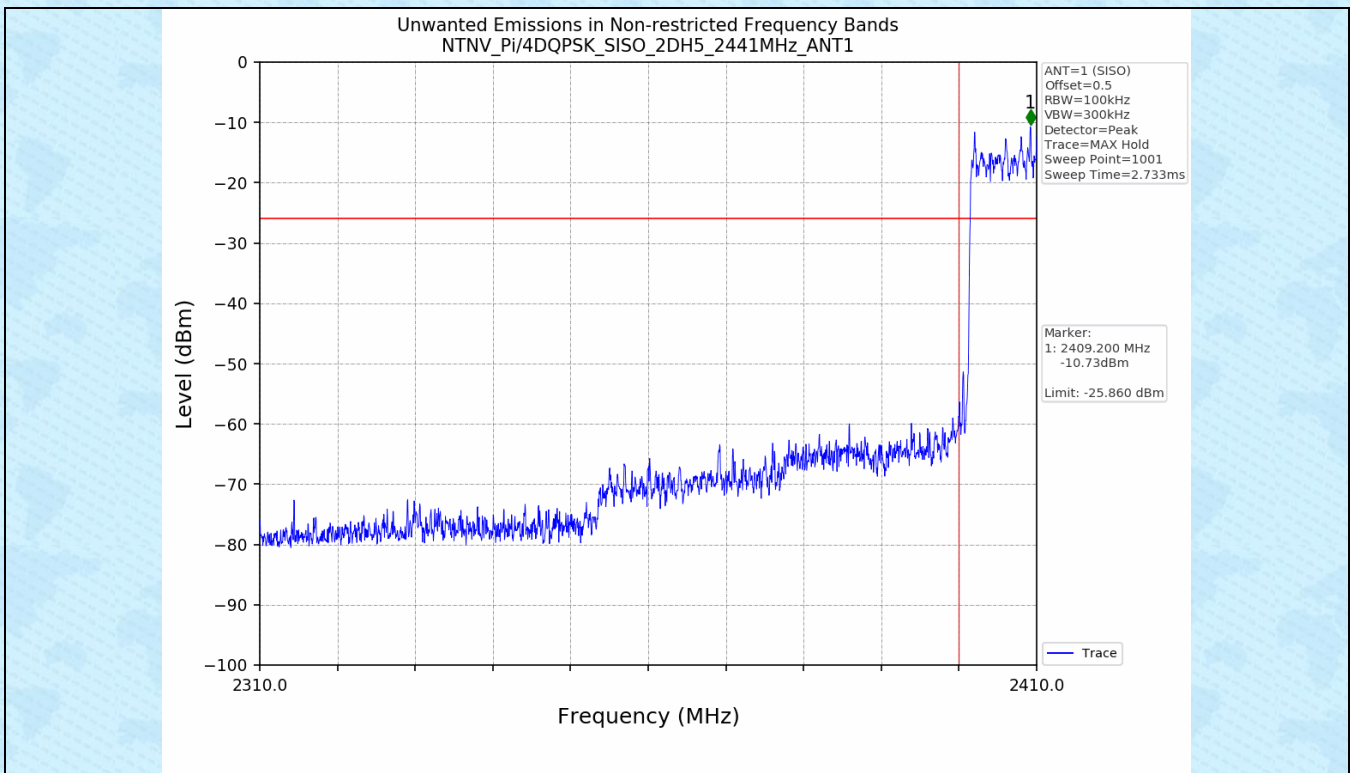
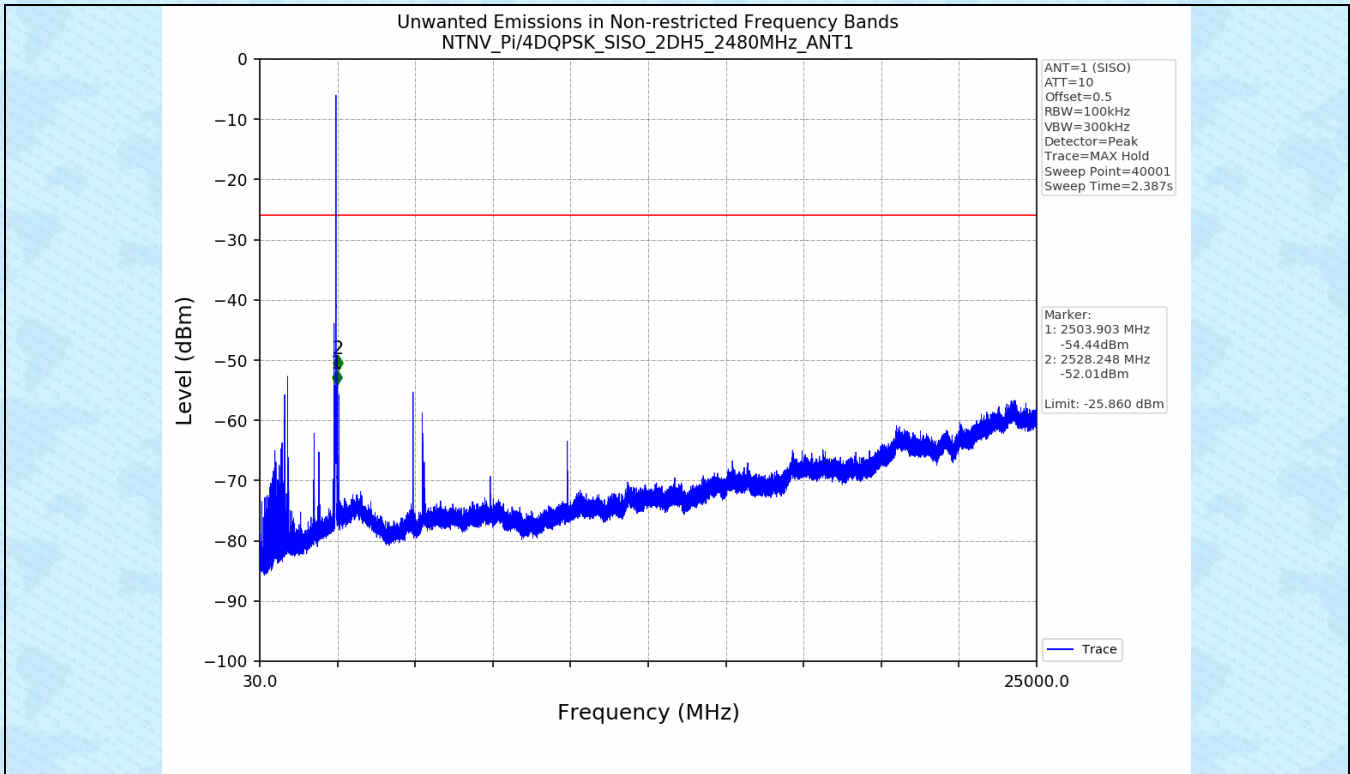


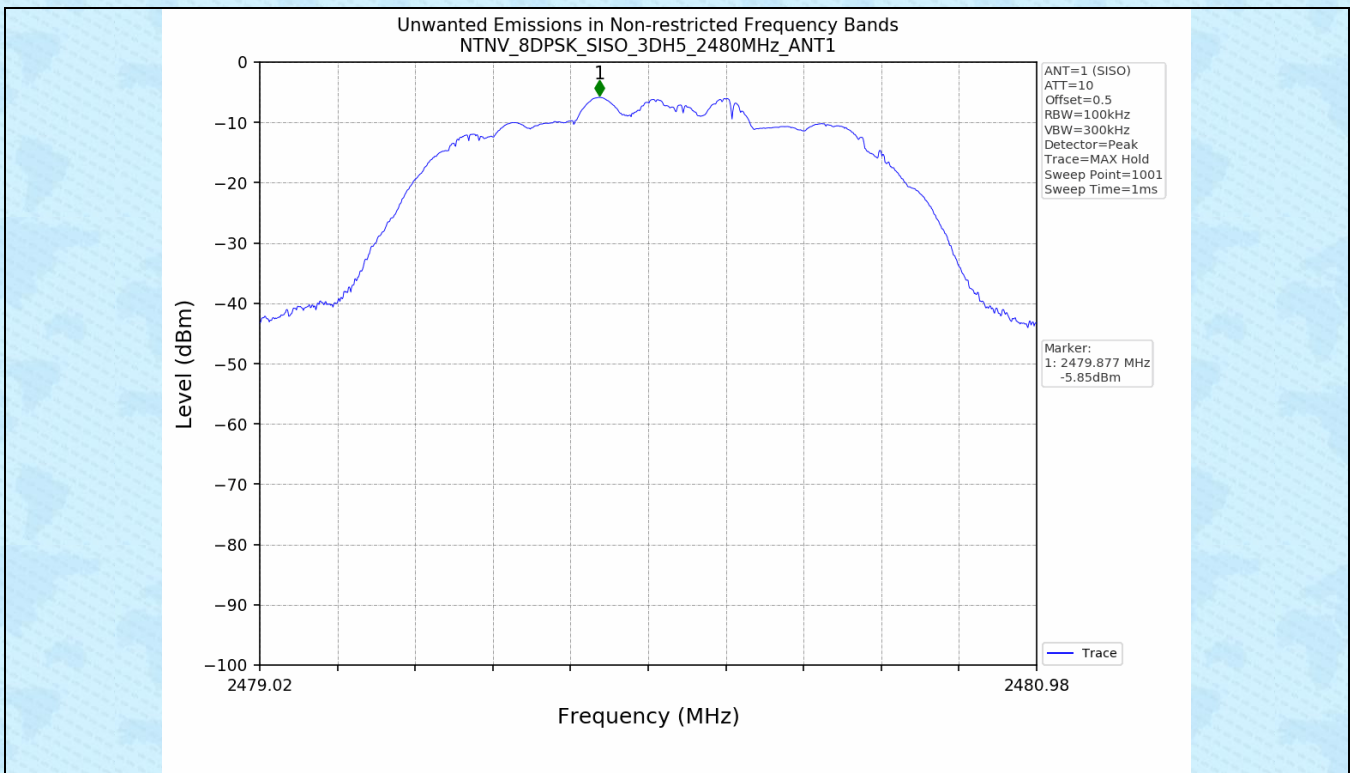
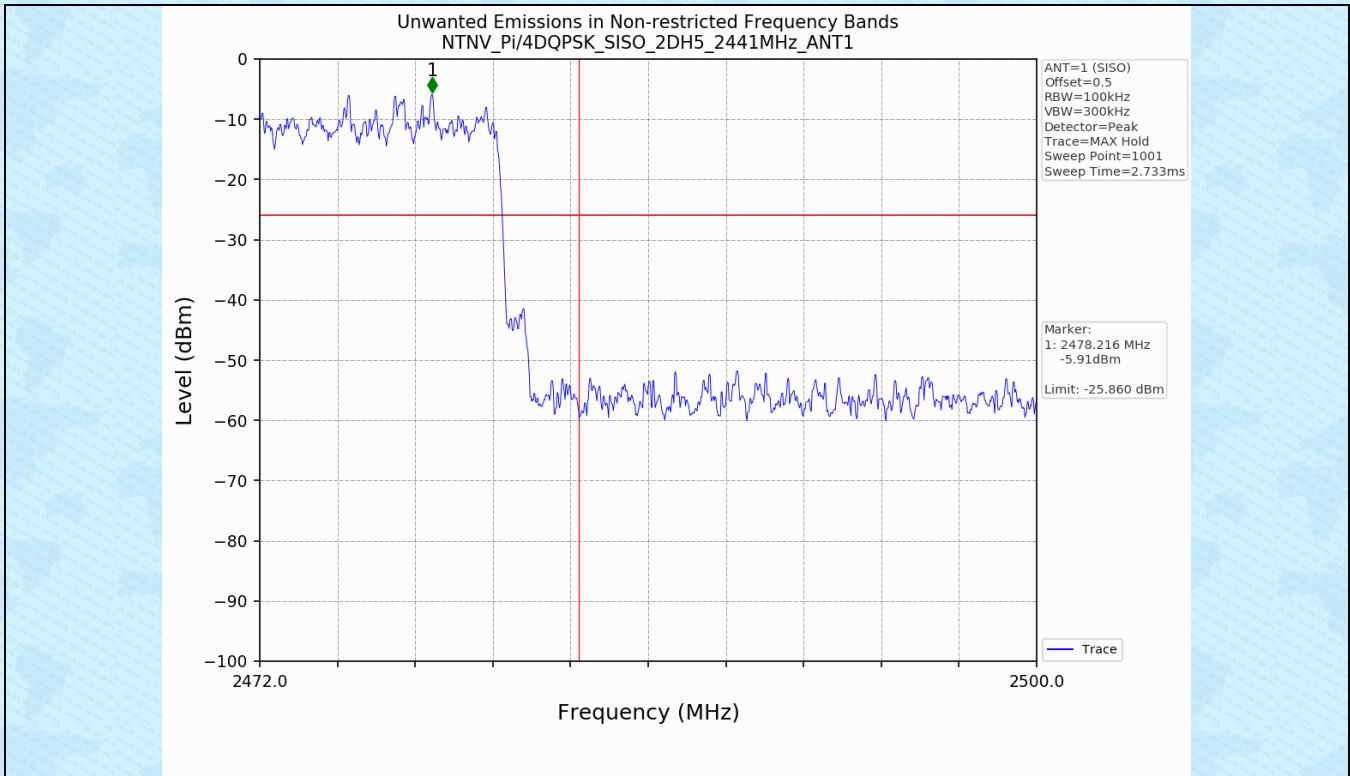


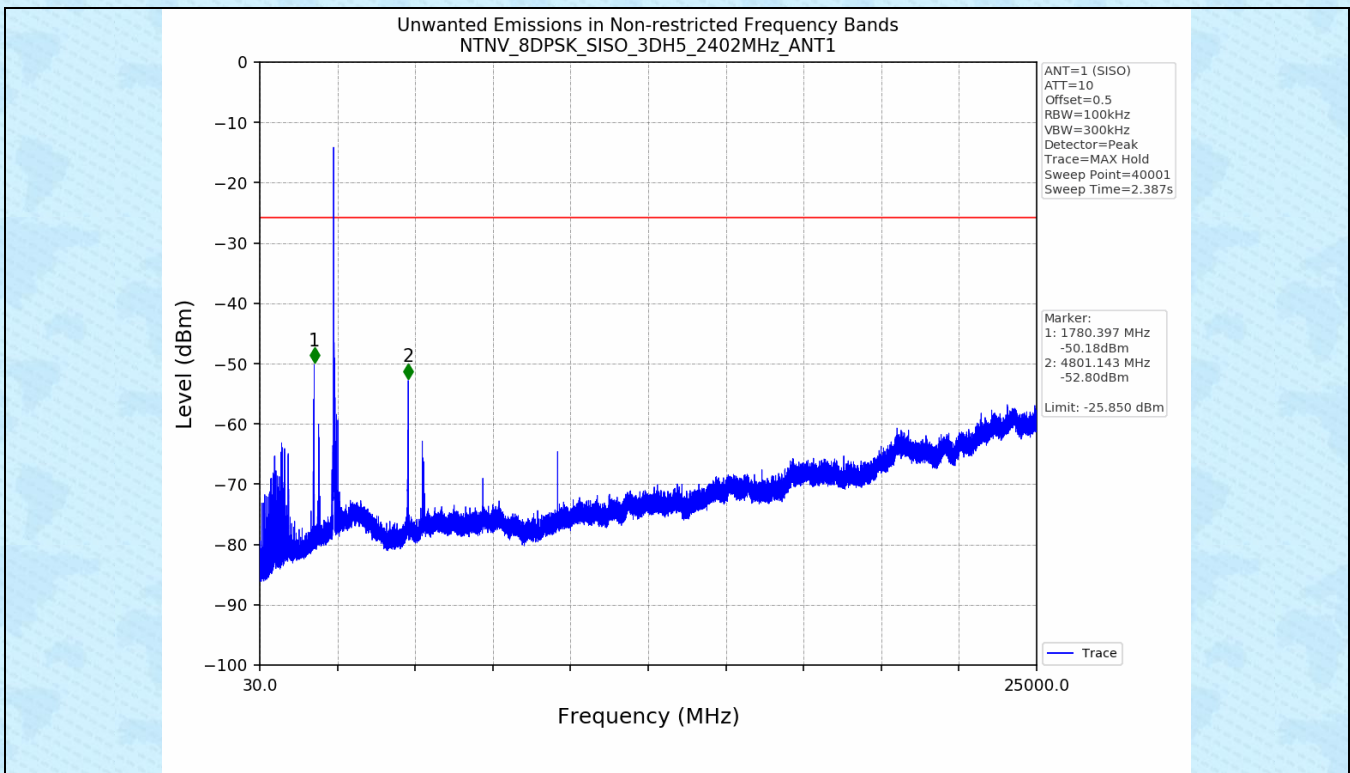
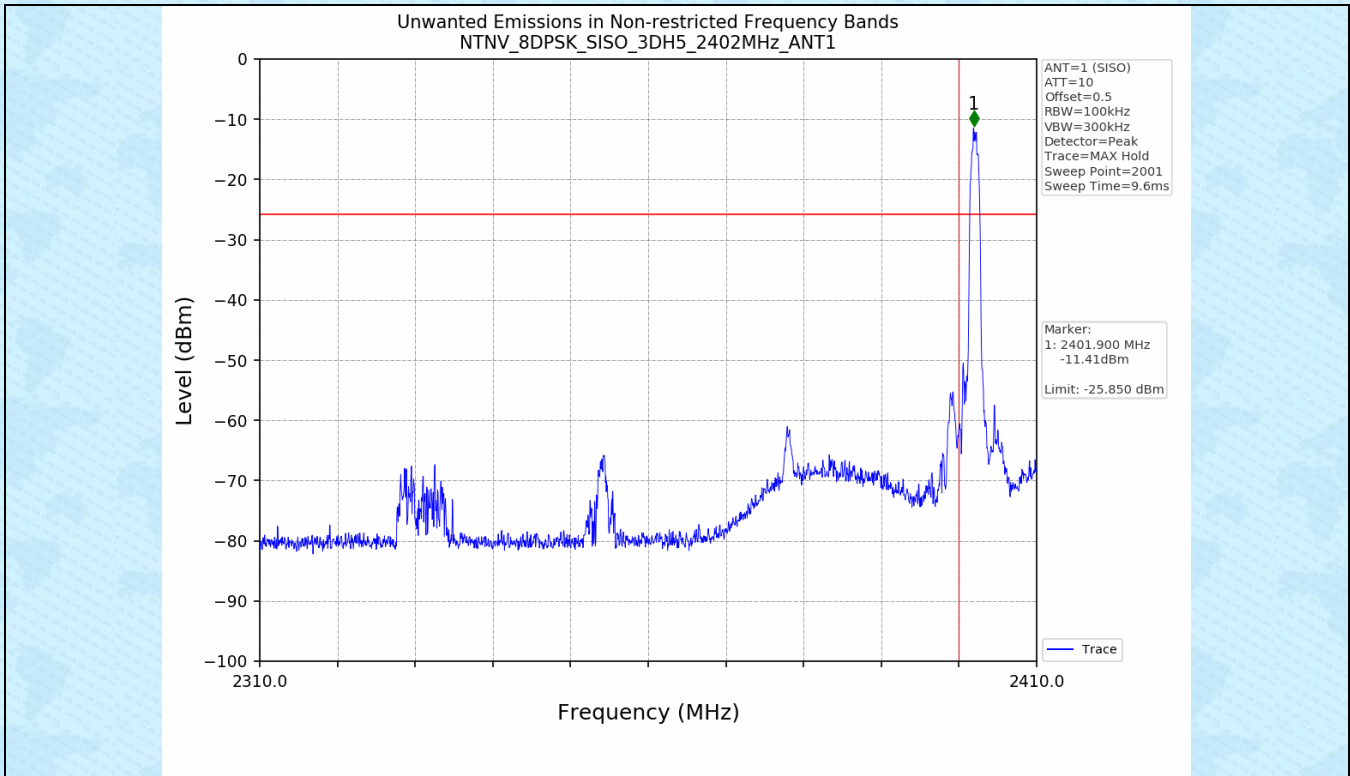


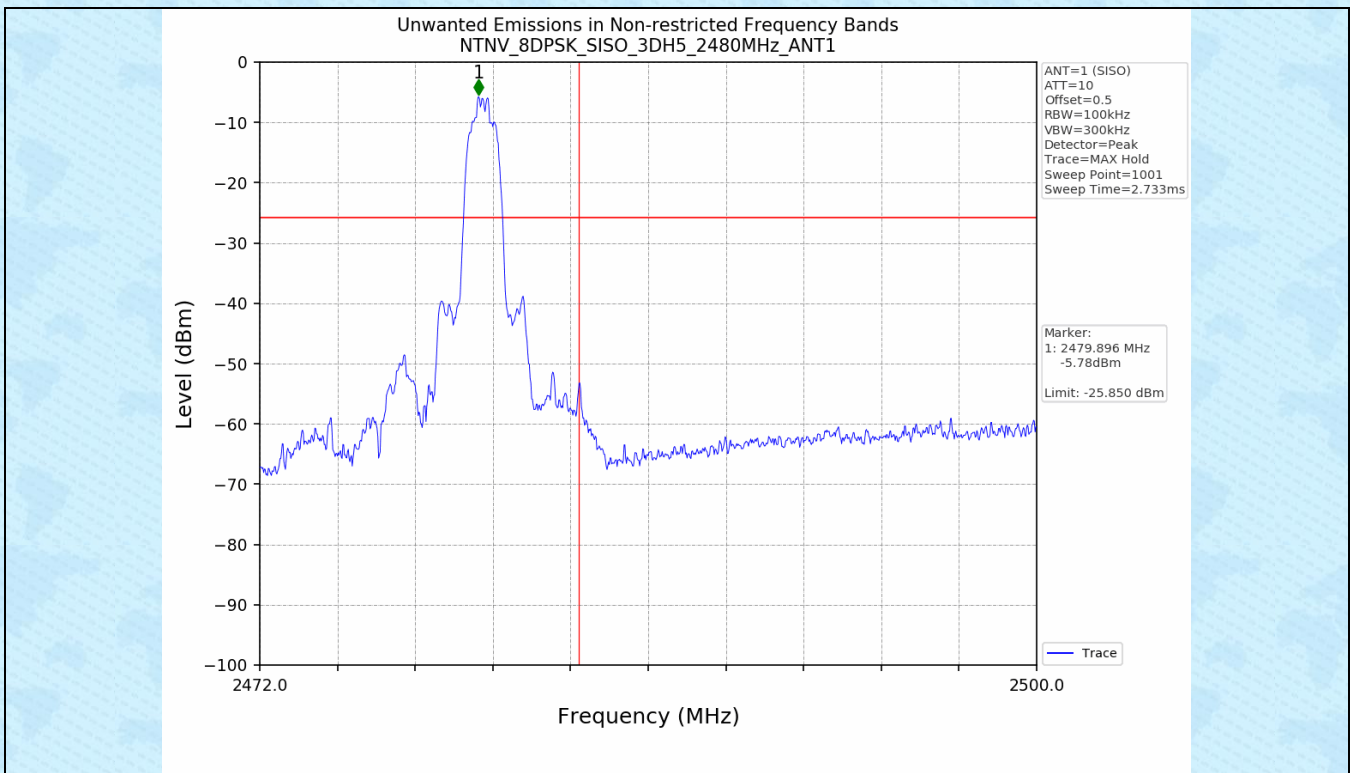
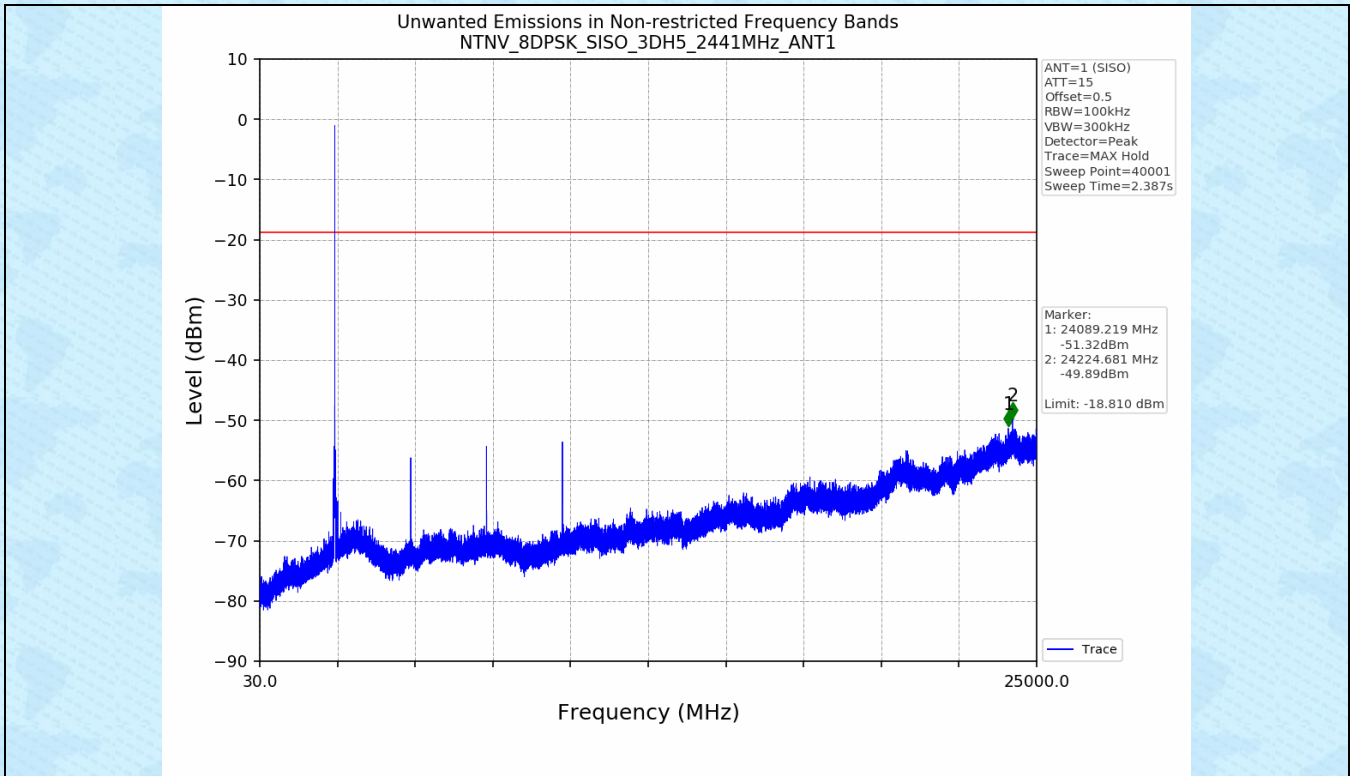


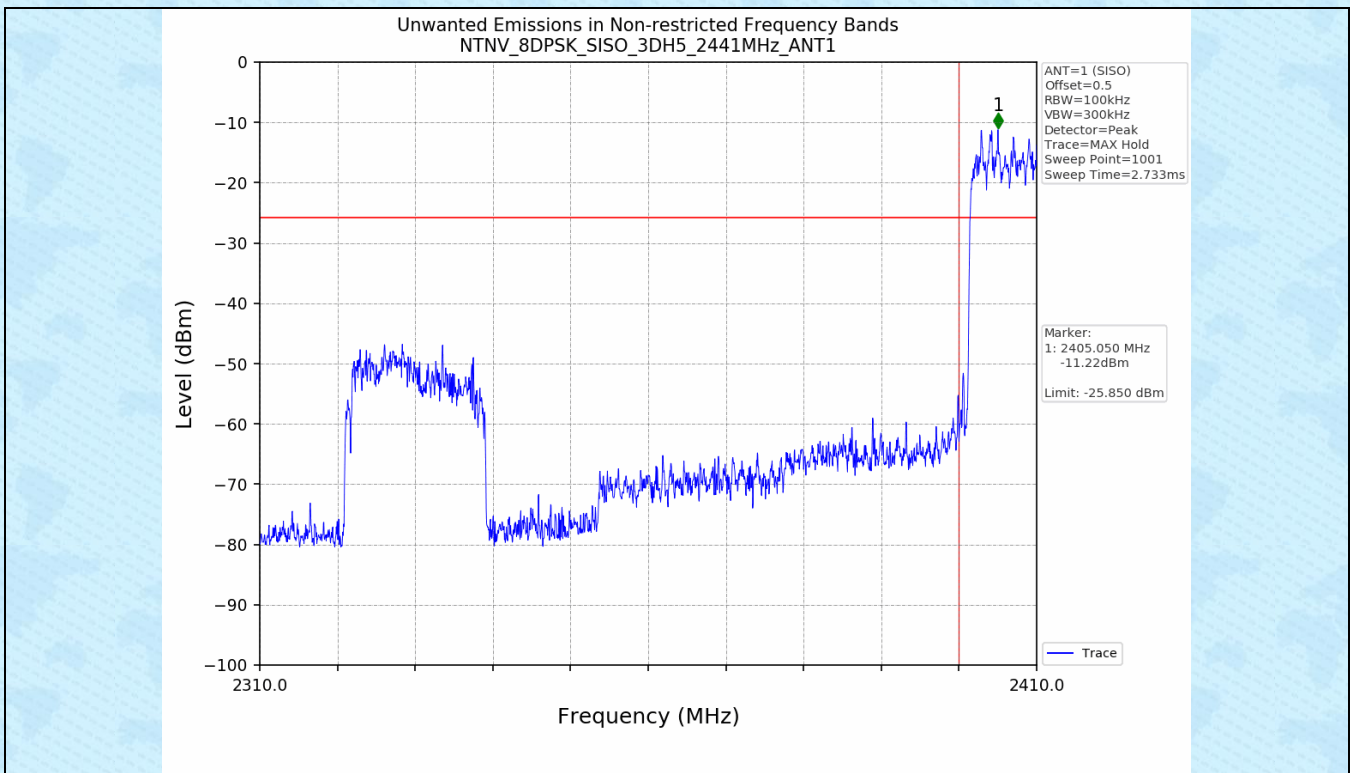
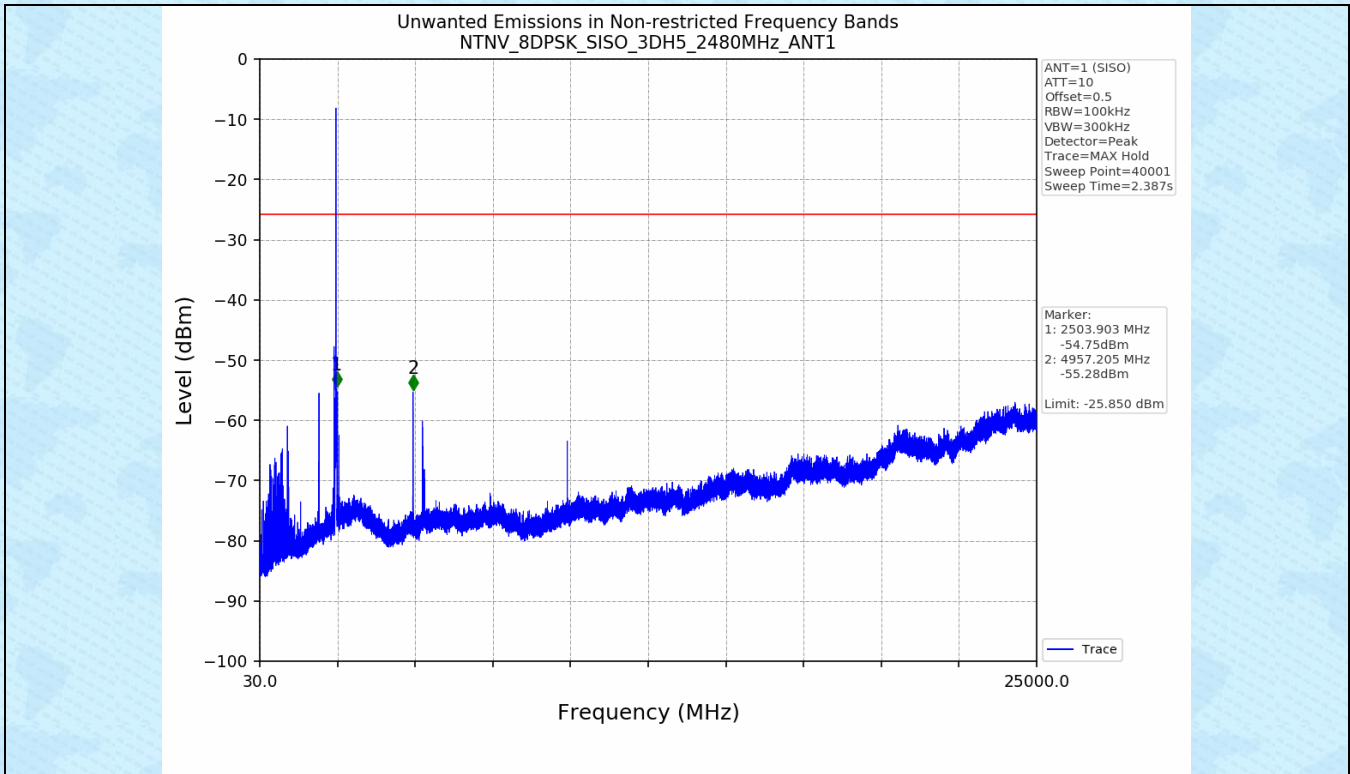


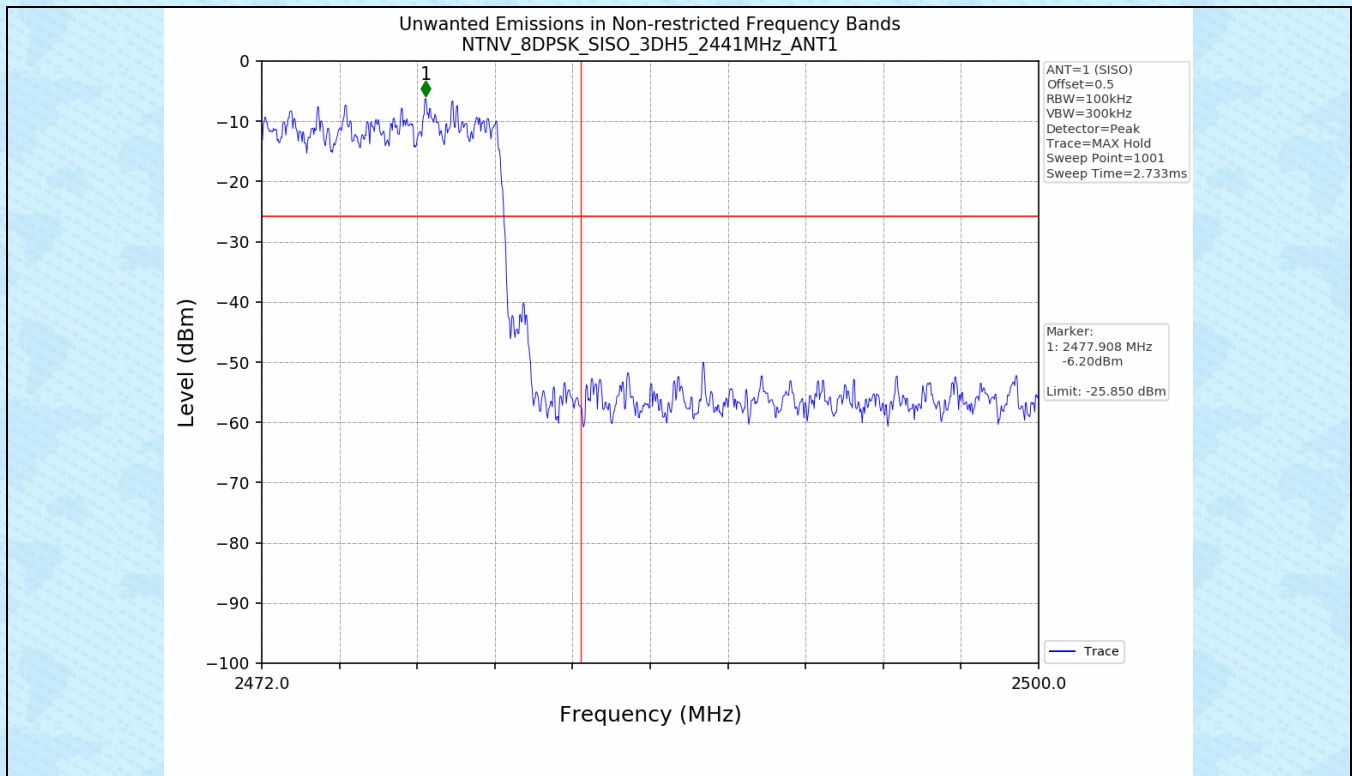












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