

Appendix for 15.247

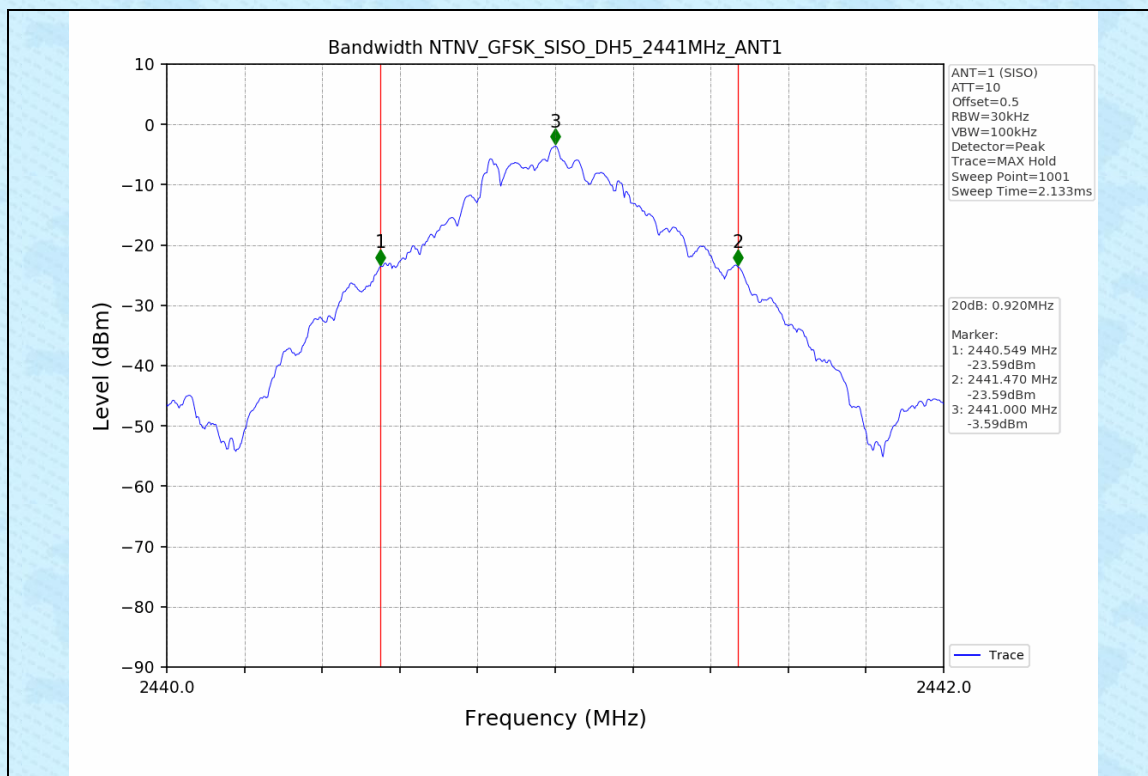
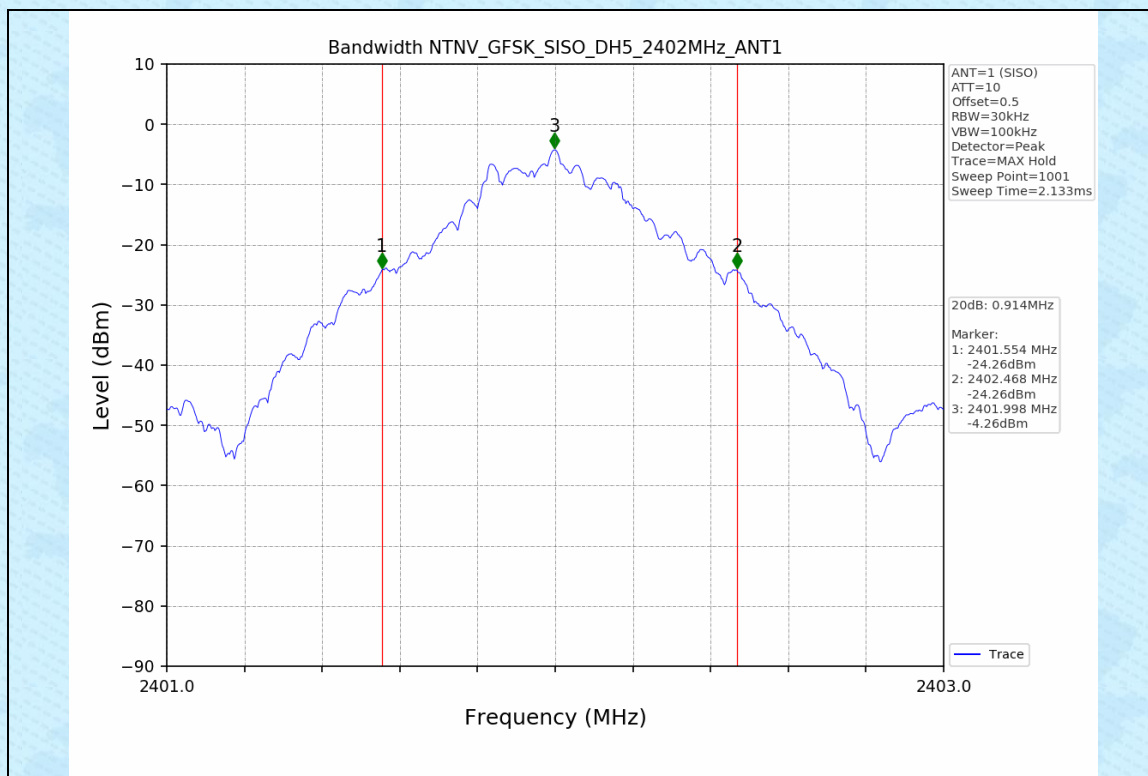
1. Bandwidth

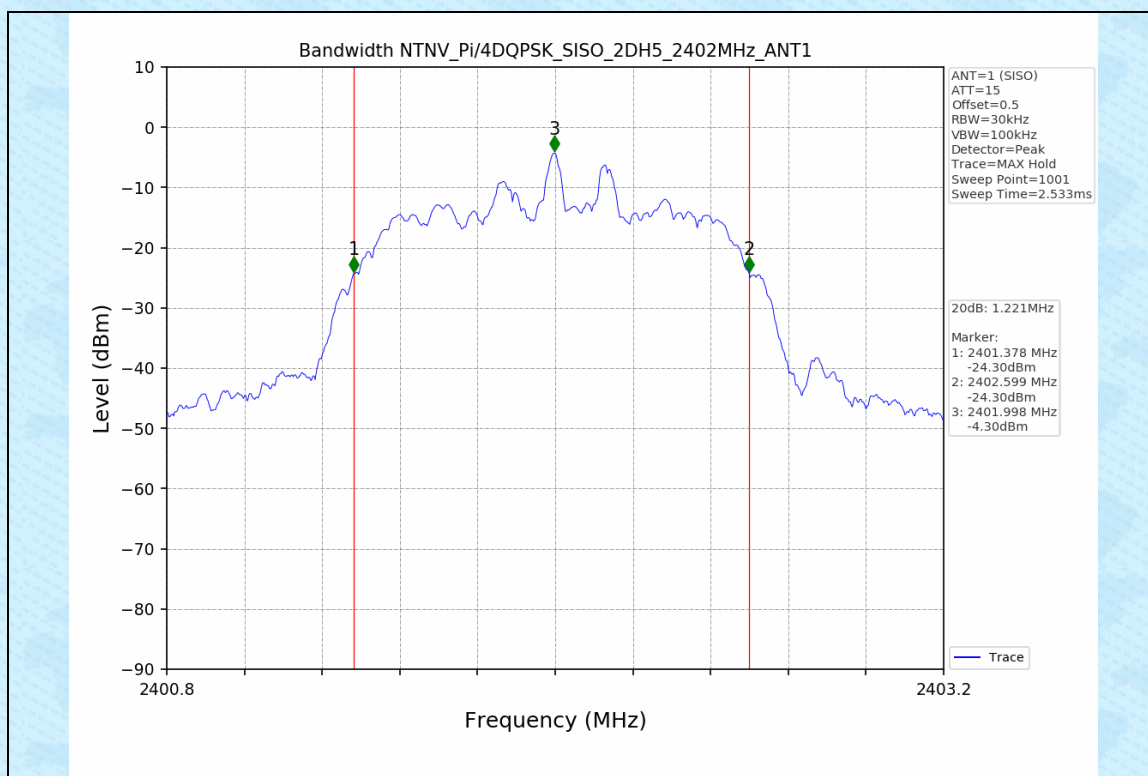
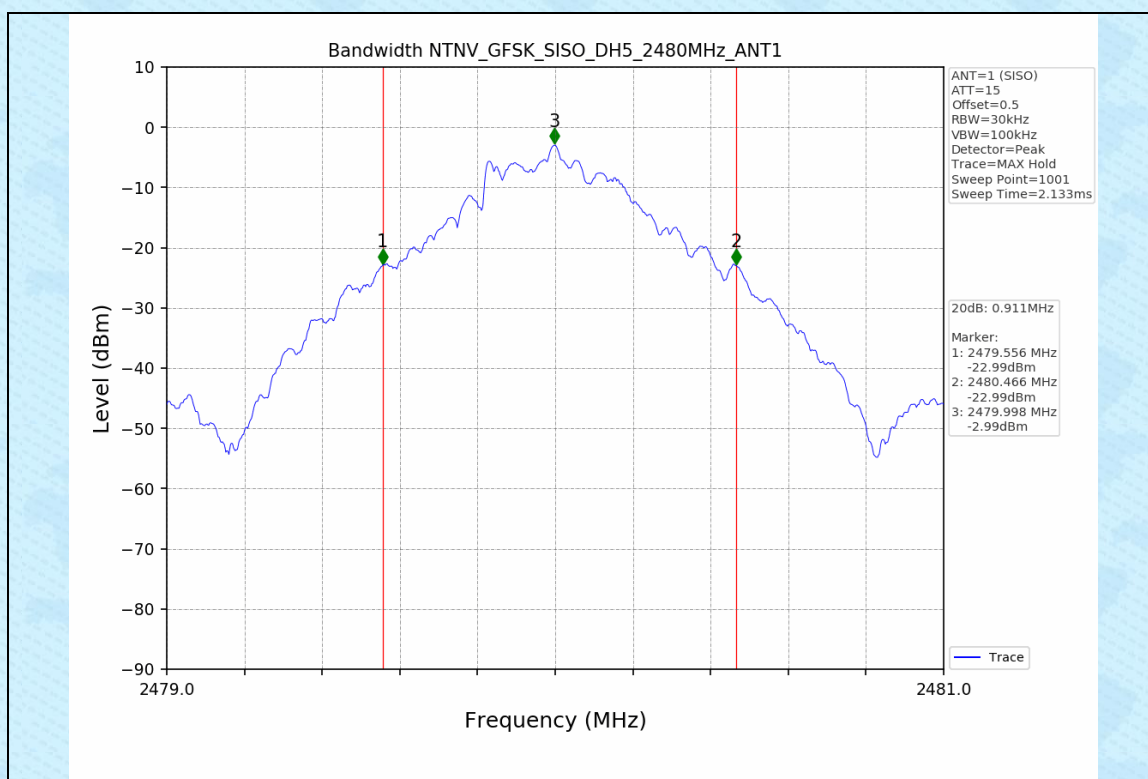
1.1 Test Result

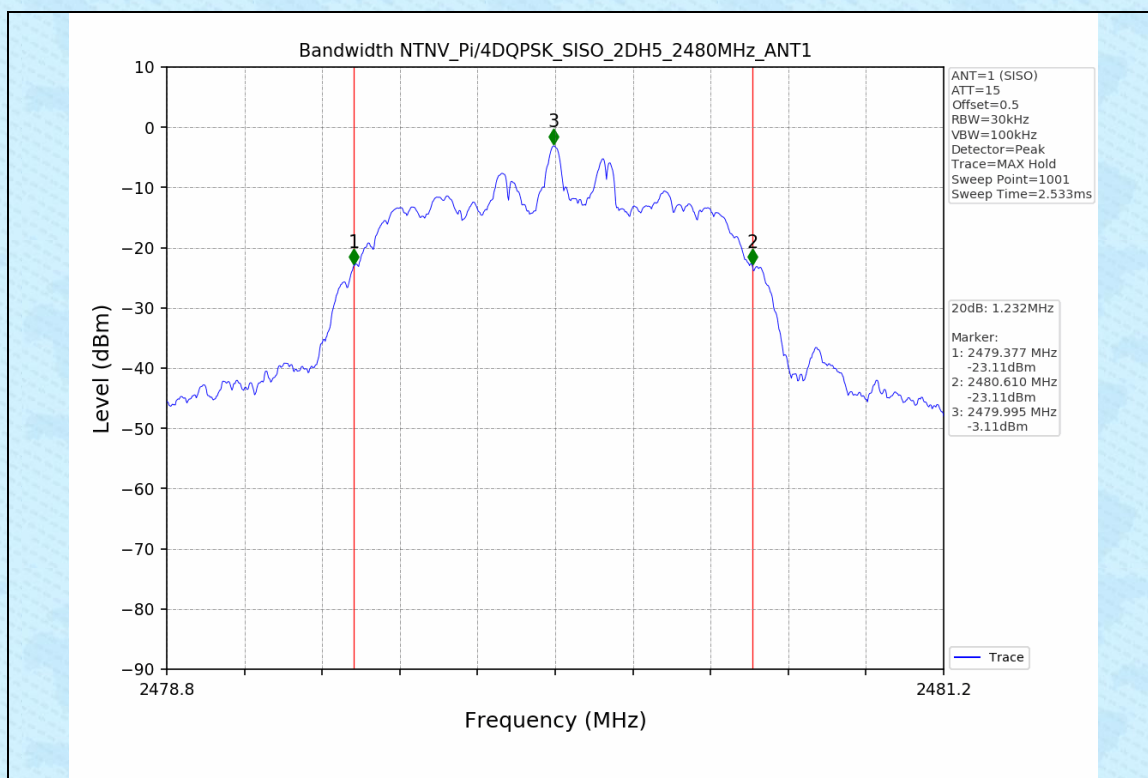
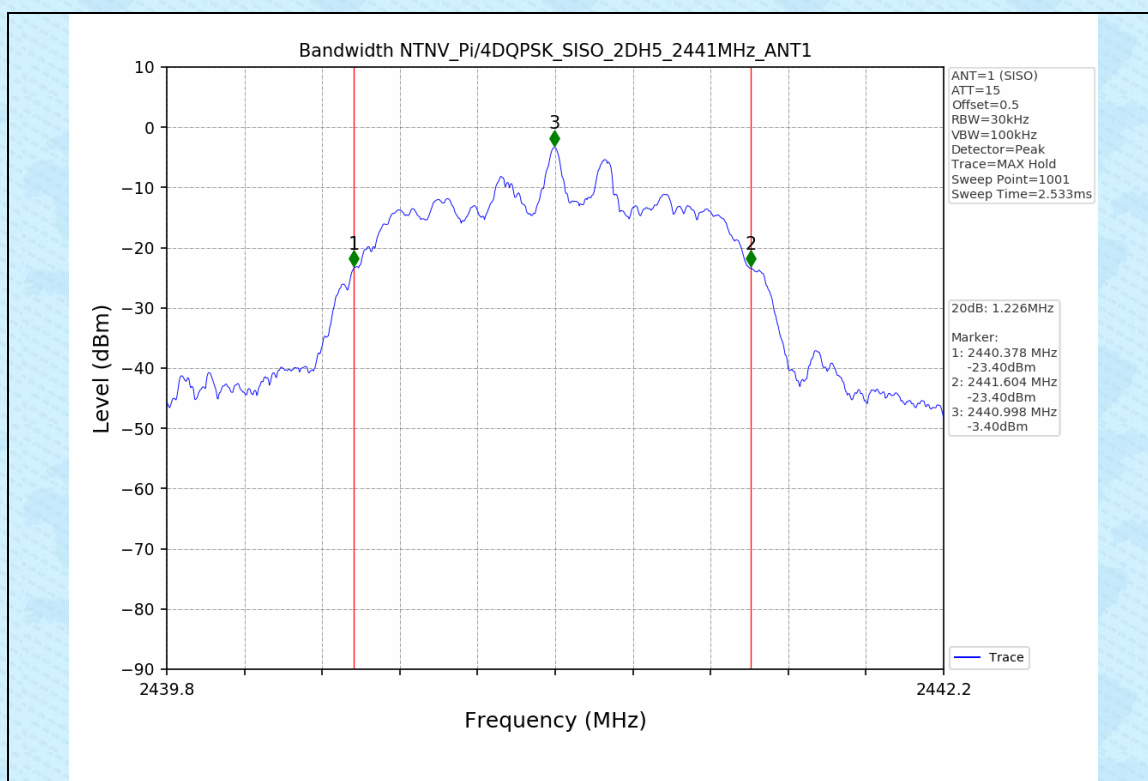
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.914	PASS
	2441	SISO	1	0.920	PASS
	2480	SISO	1	0.911	PASS
$\pi/4$ -DQPSK	2402	SISO	1	1.221	PASS
	2441	SISO	1	1.226	PASS
	2480	SISO	1	1.232	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.846	Only for Report Use
	2441	SISO	1	0.841	Only for Report Use
	2480	SISO	1	0.839	Only for Report Use
$\pi/4$ -DQPSK	2402	SISO	1	1.166	Only for Report Use
	2441	SISO	1	1.167	Only for Report Use
	2480	SISO	1	1.178	Only for Report Use

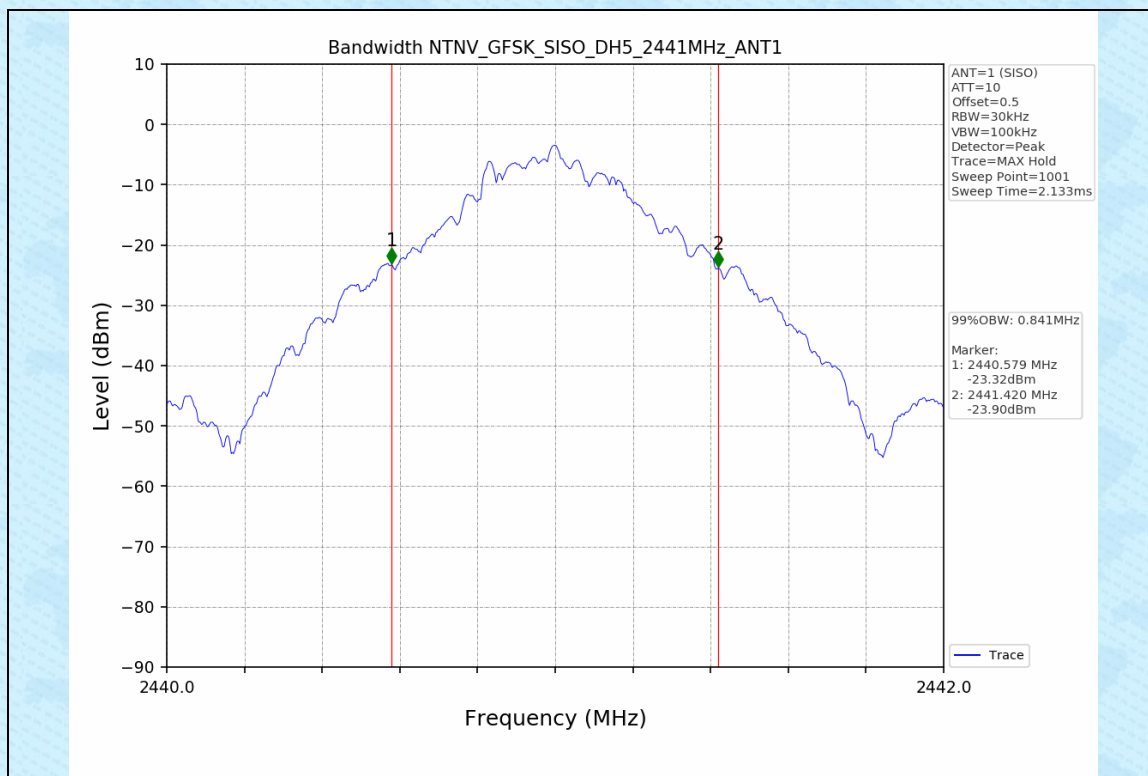
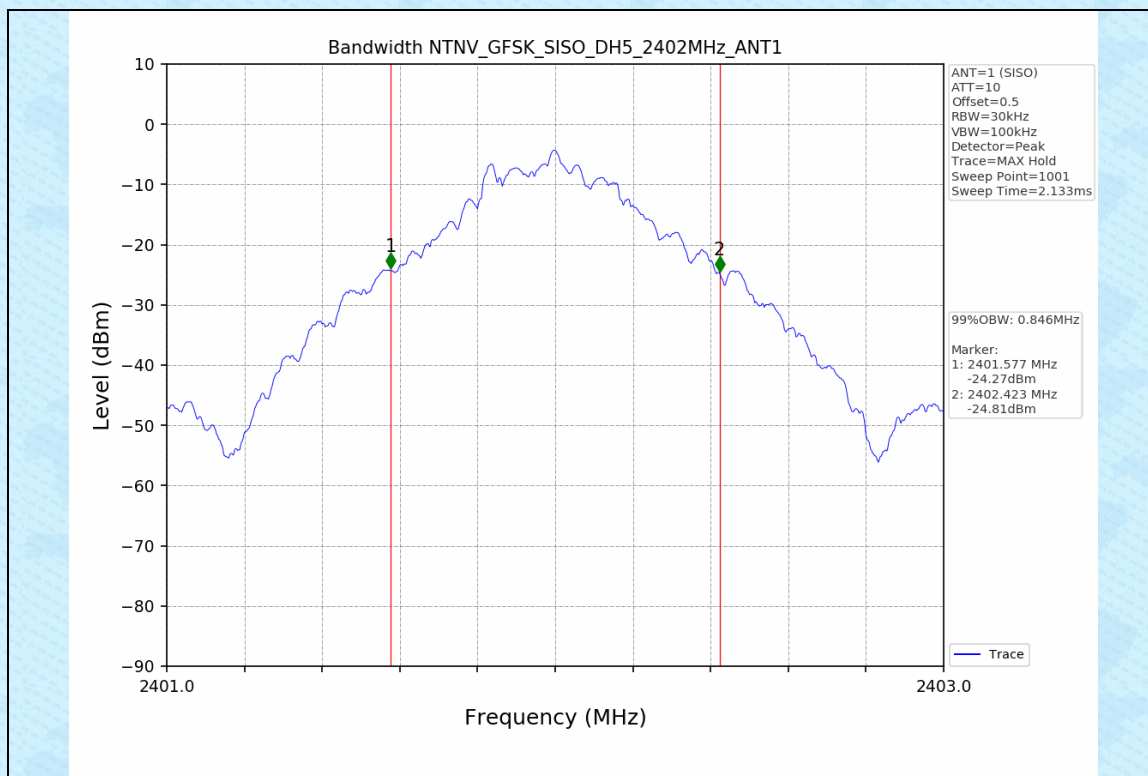
1.2 Test Graph - 20dB Bandwidth

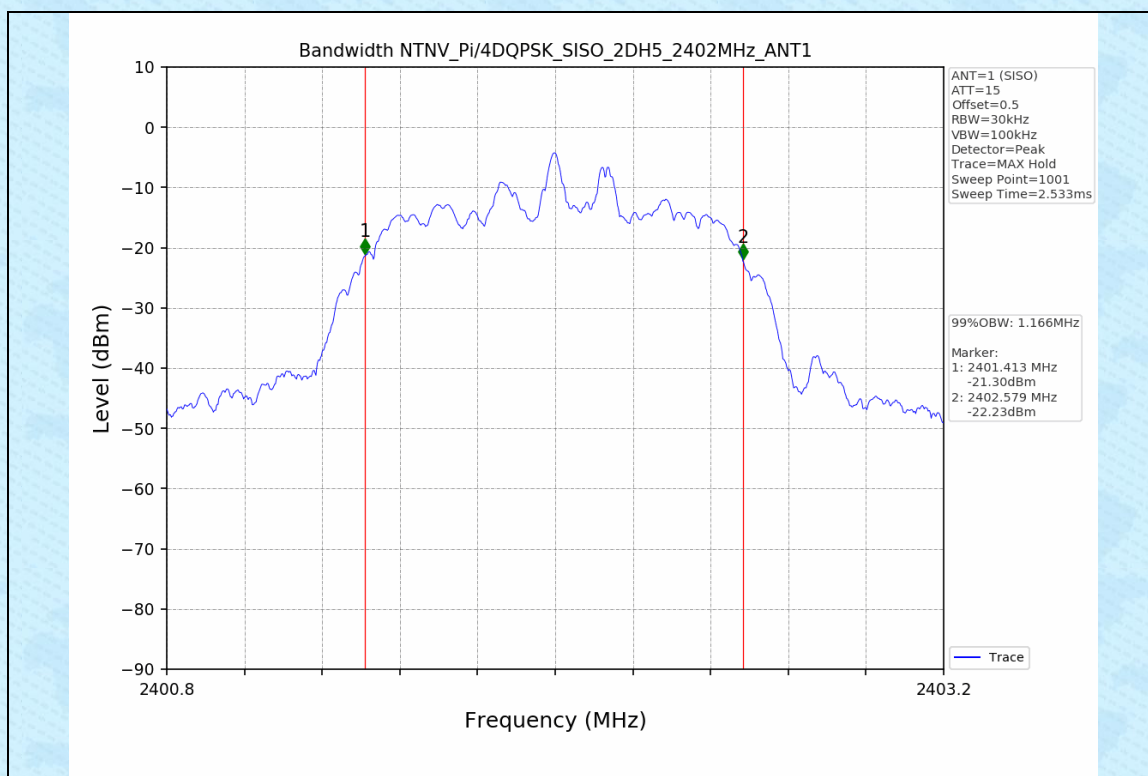
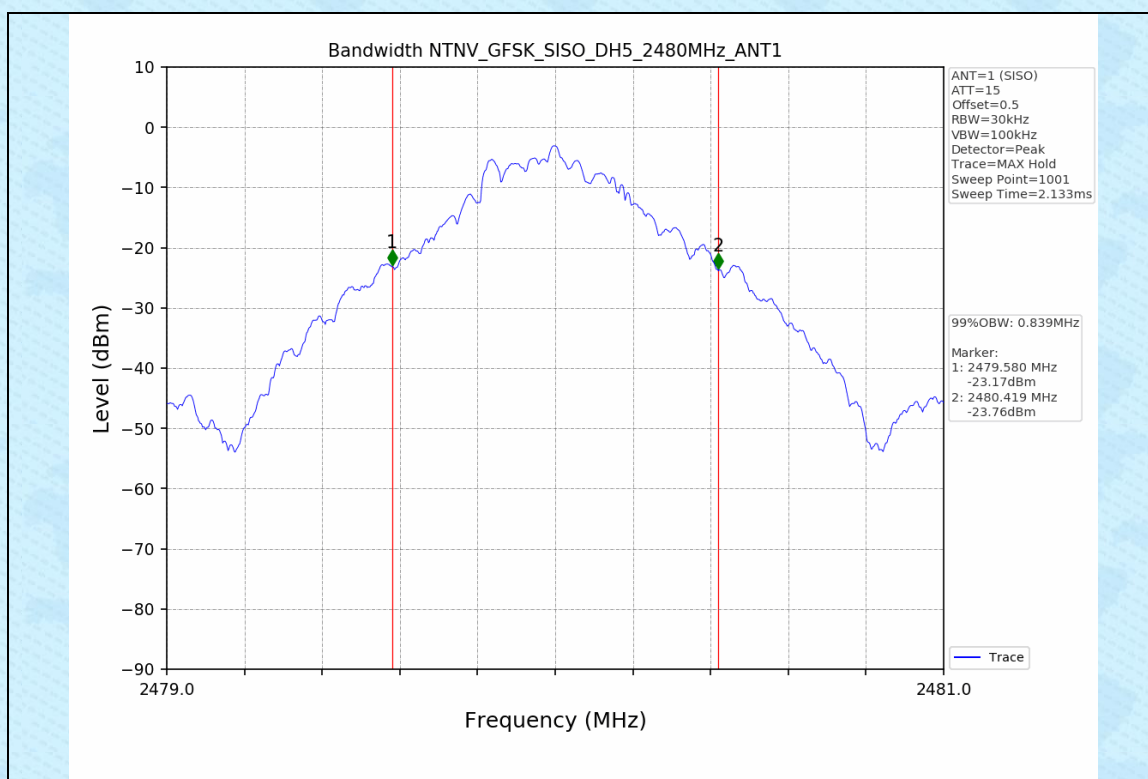


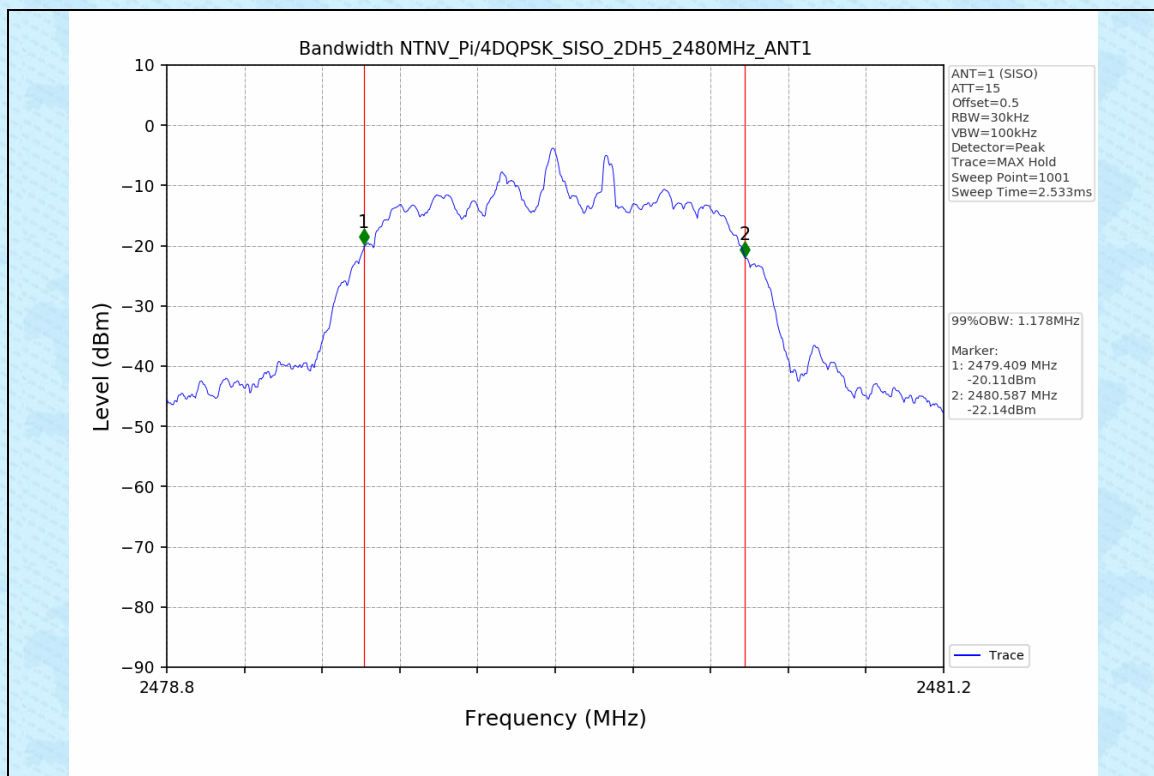
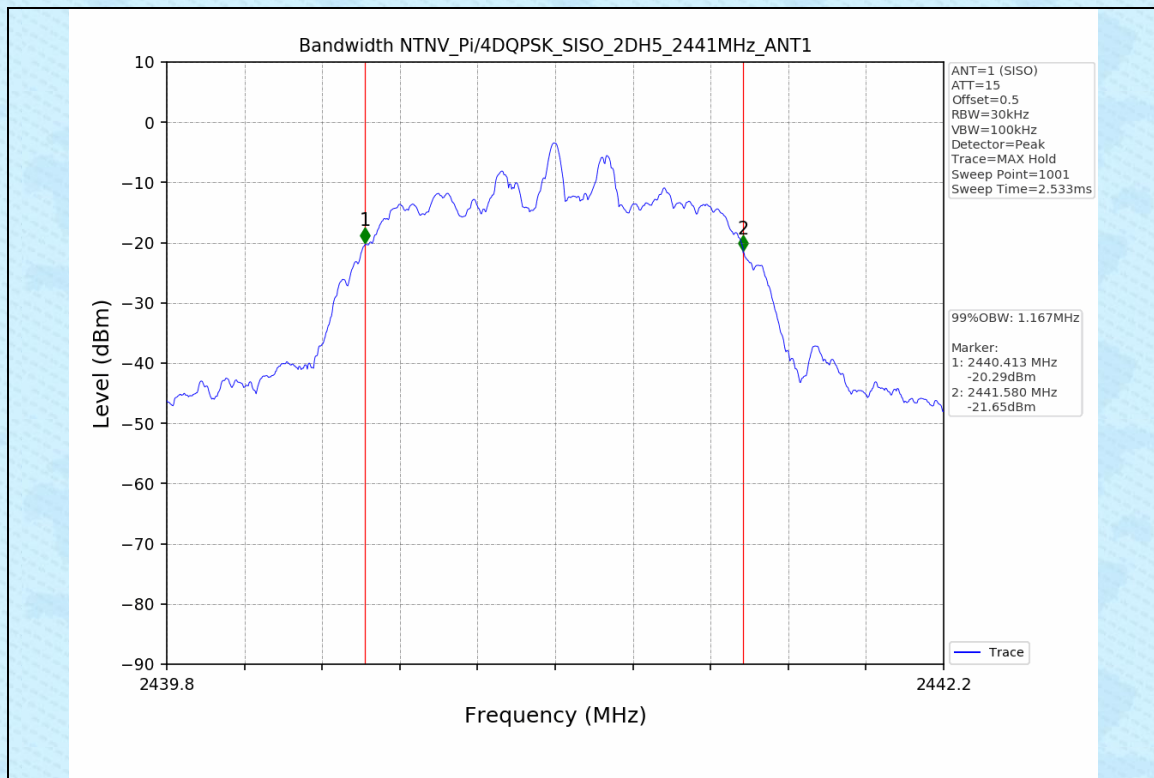




1.3 Test Graph - 99% Occupied Bandwidth





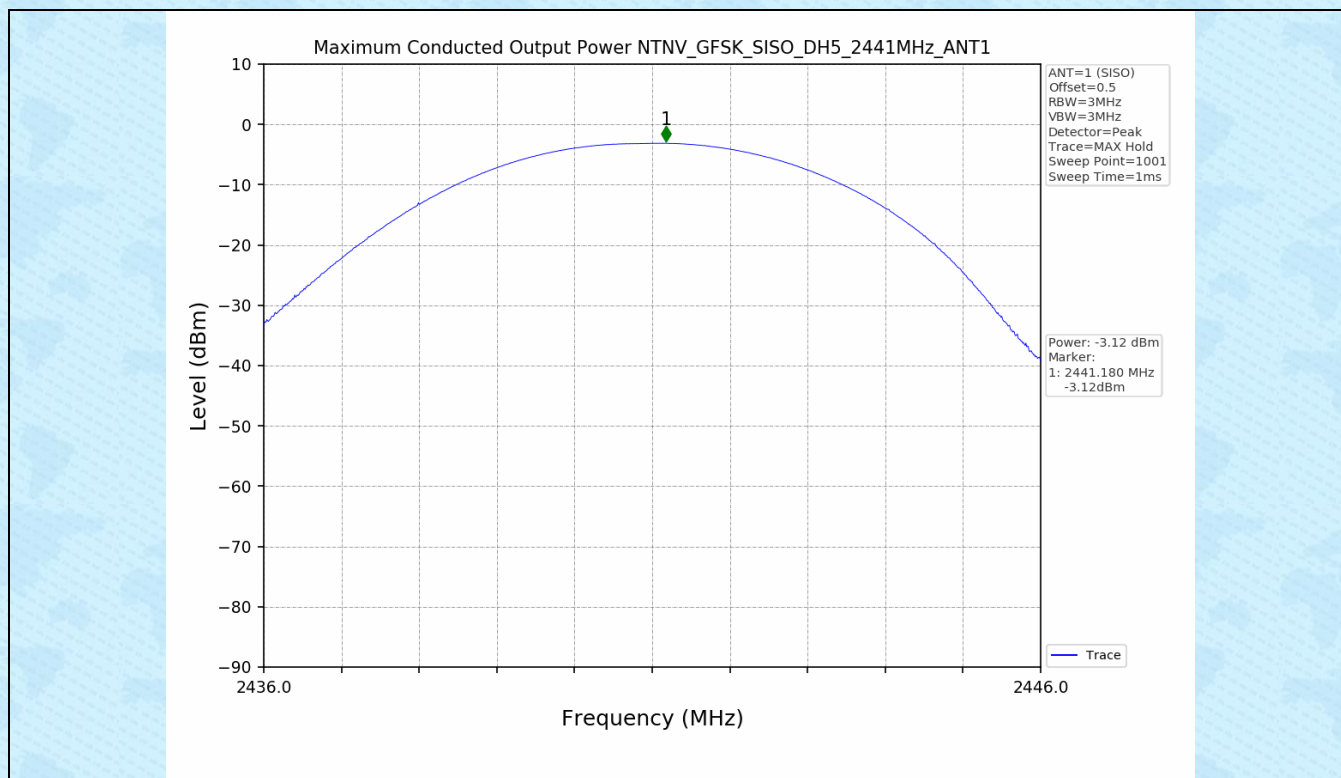
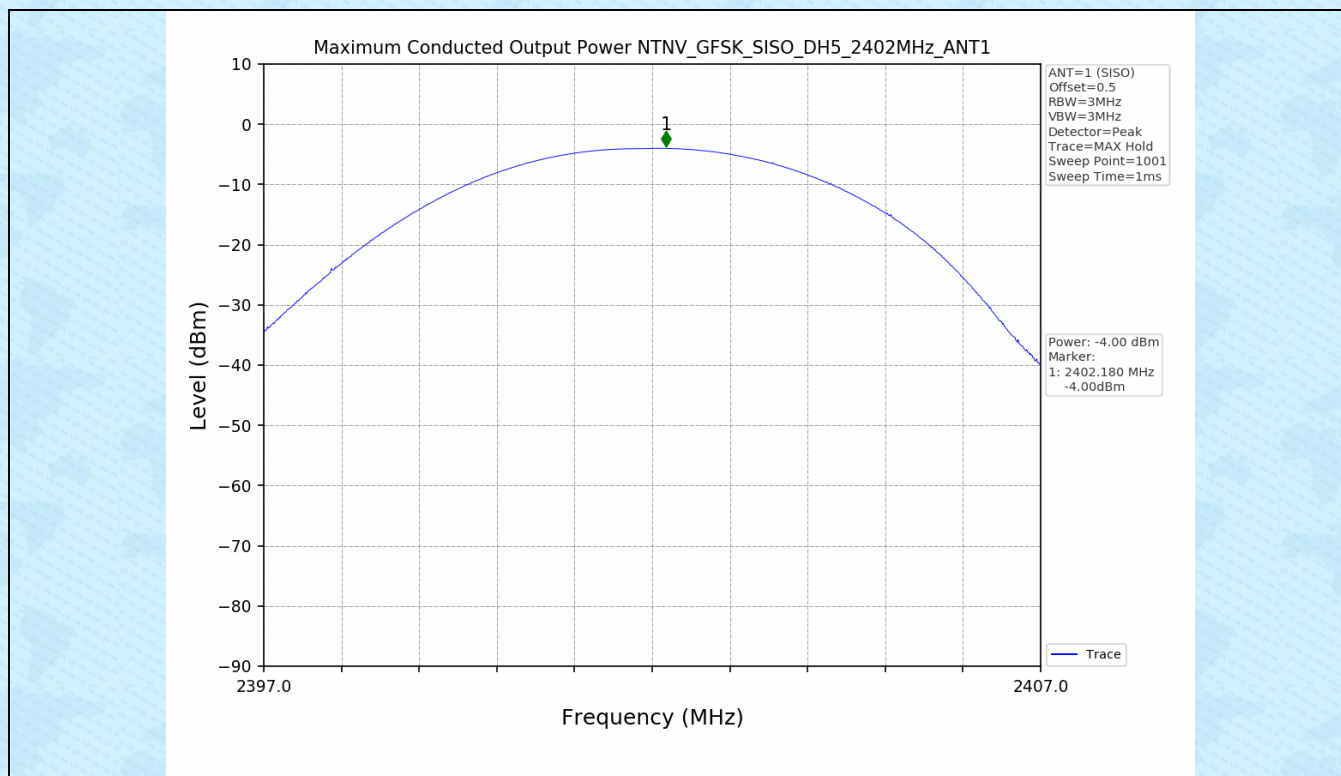


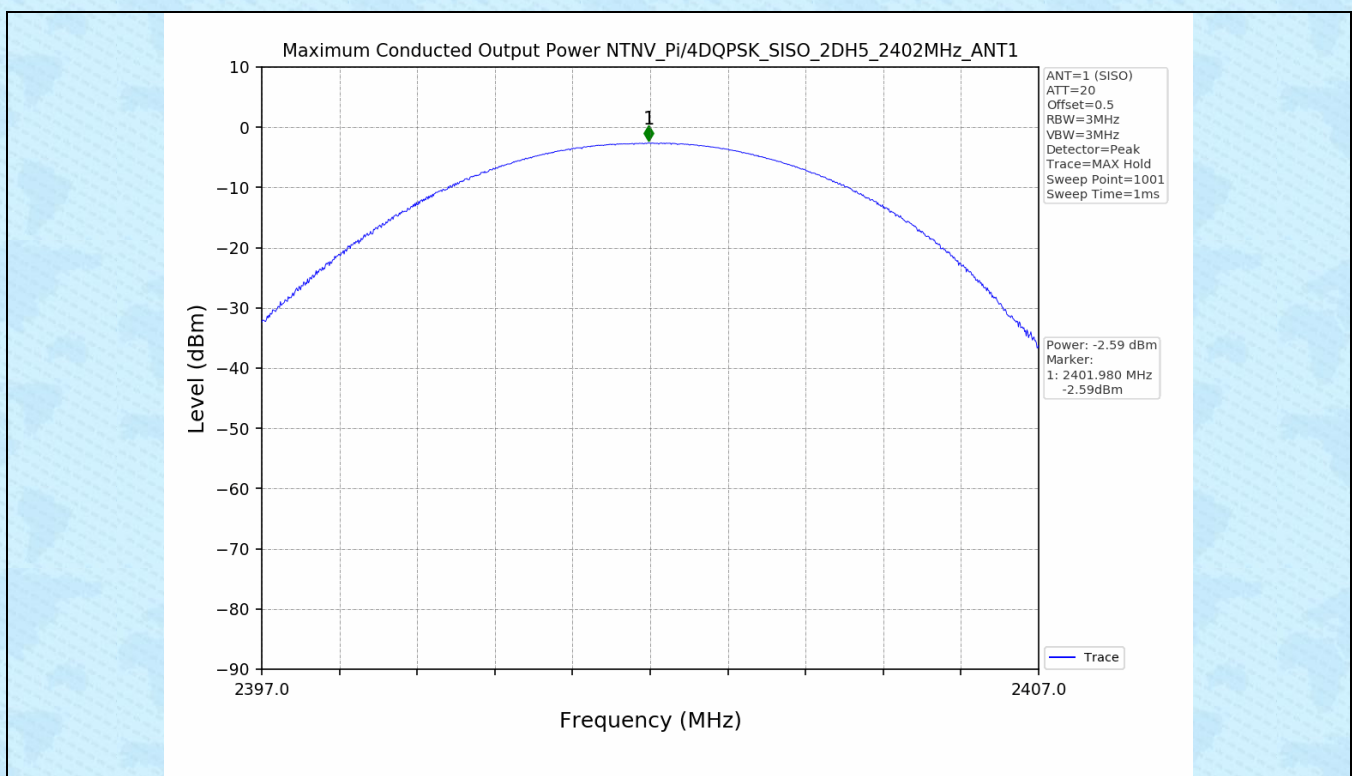
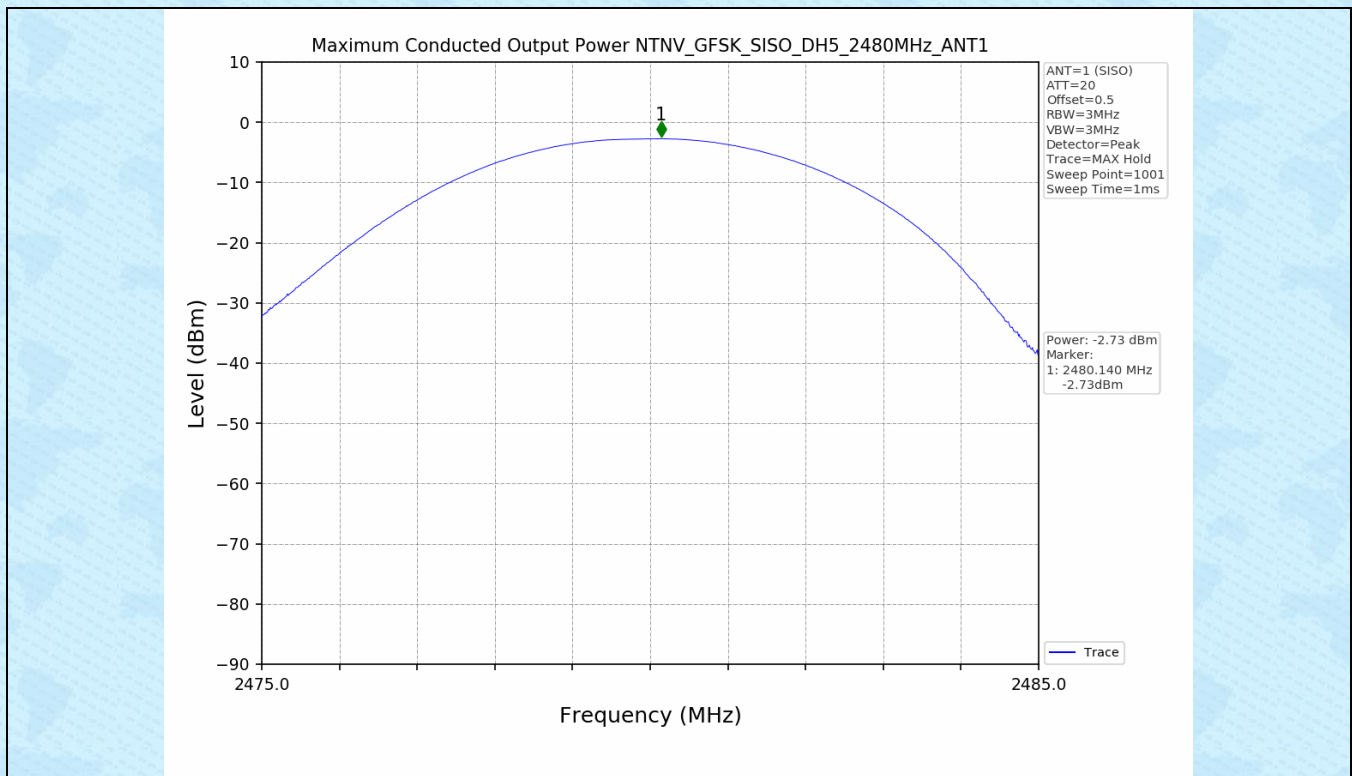
2. Maximum Conducted Output Power

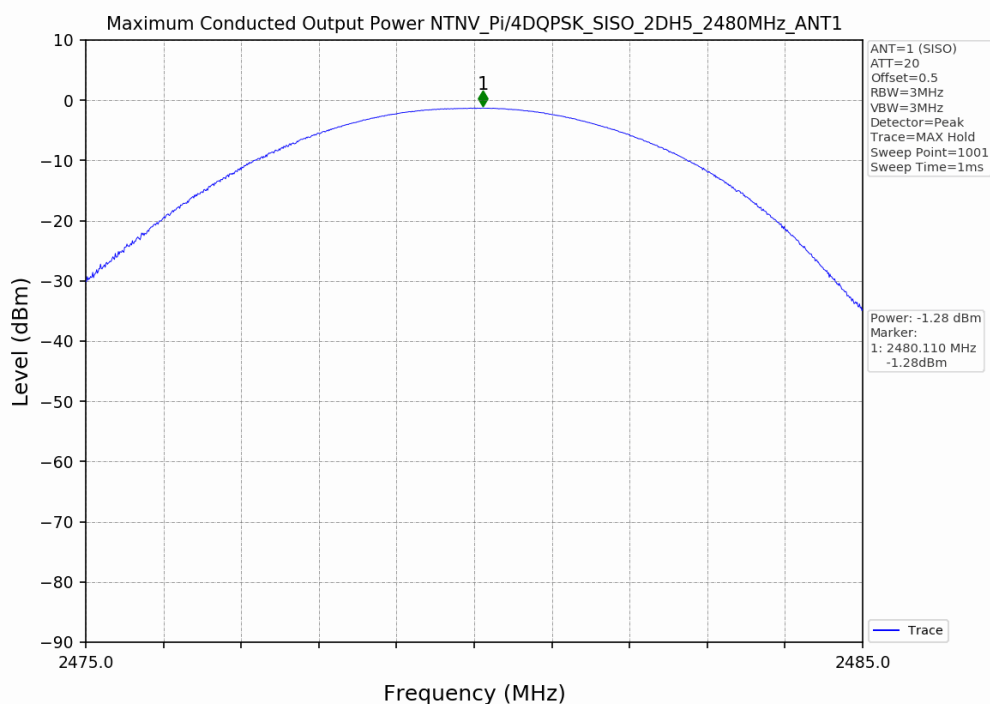
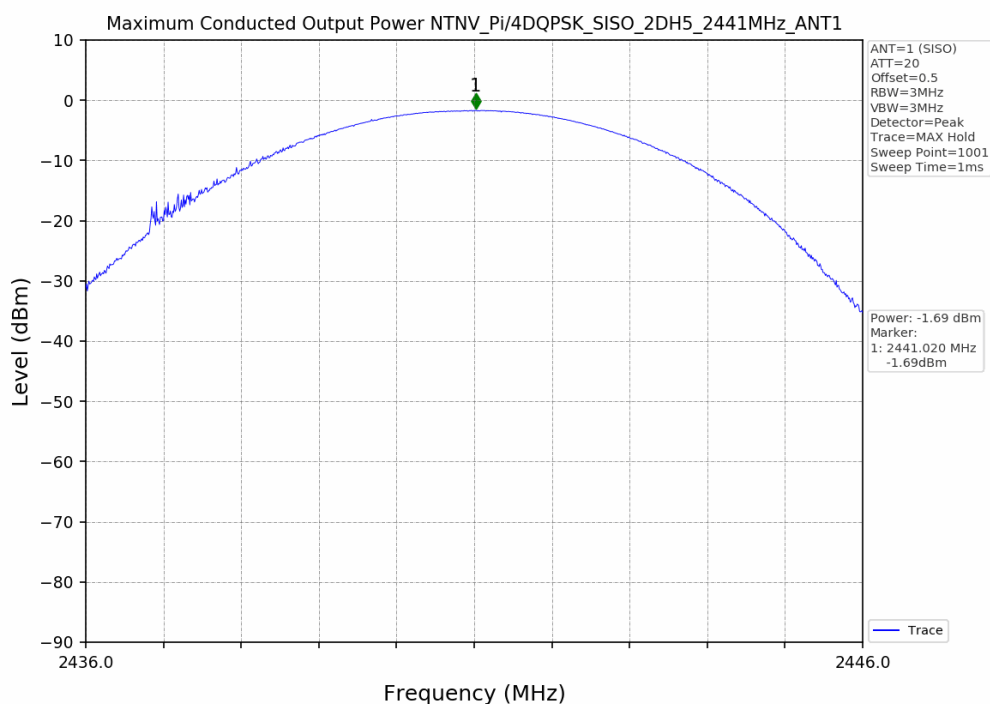
2.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-4.00	30	PASS
	2441	SISO	-3.12	30	PASS
	2480	SISO	-2.73	30	PASS
$\pi/4$ -DQPSK	2402	SISO	-2.59	20.97	PASS
	2441	SISO	-1.69	20.97	PASS
	2480	SISO	-1.28	20.97	PASS

2.2 Test Graph





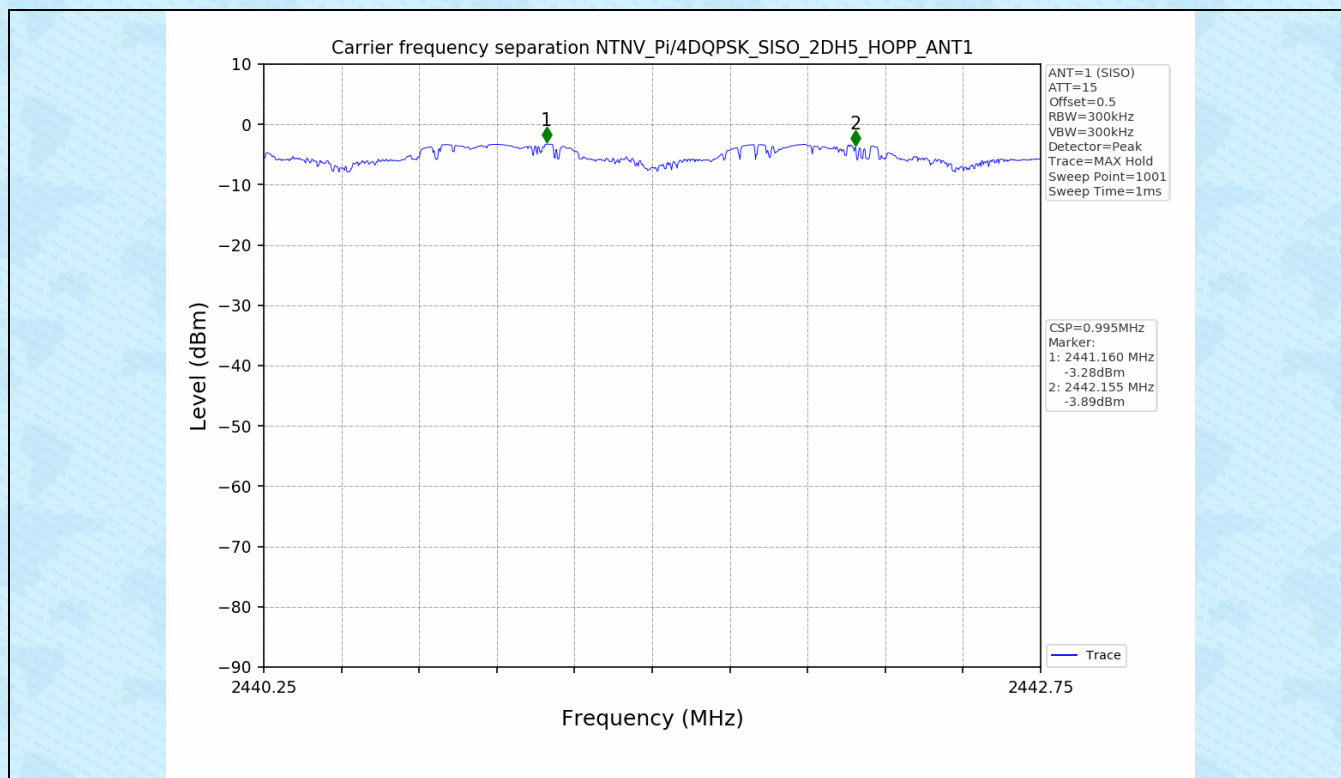
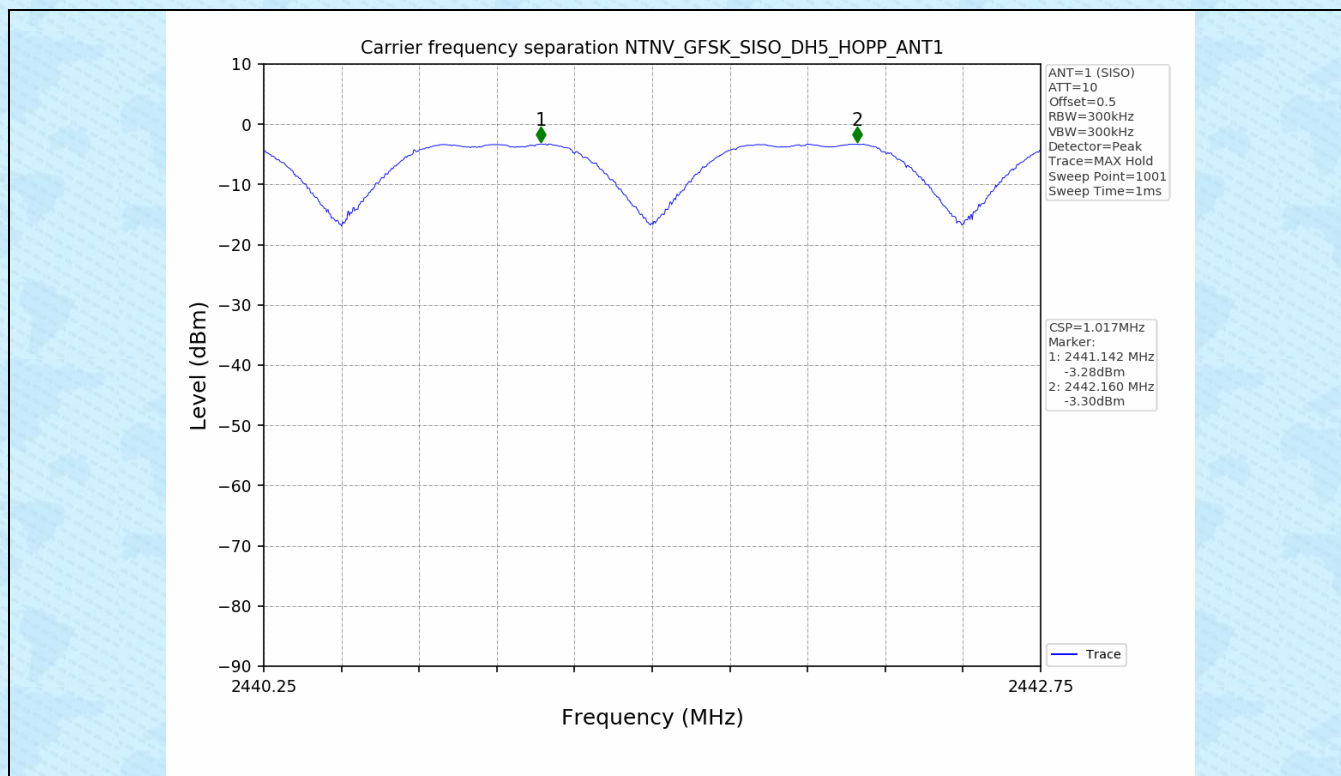


3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.017	0.920	≥ 0.920	PASS
$\pi/4$ -DQPSK	SISO	1	0.995	1.232	≥ 0.821	PASS

3.2 Test Graph

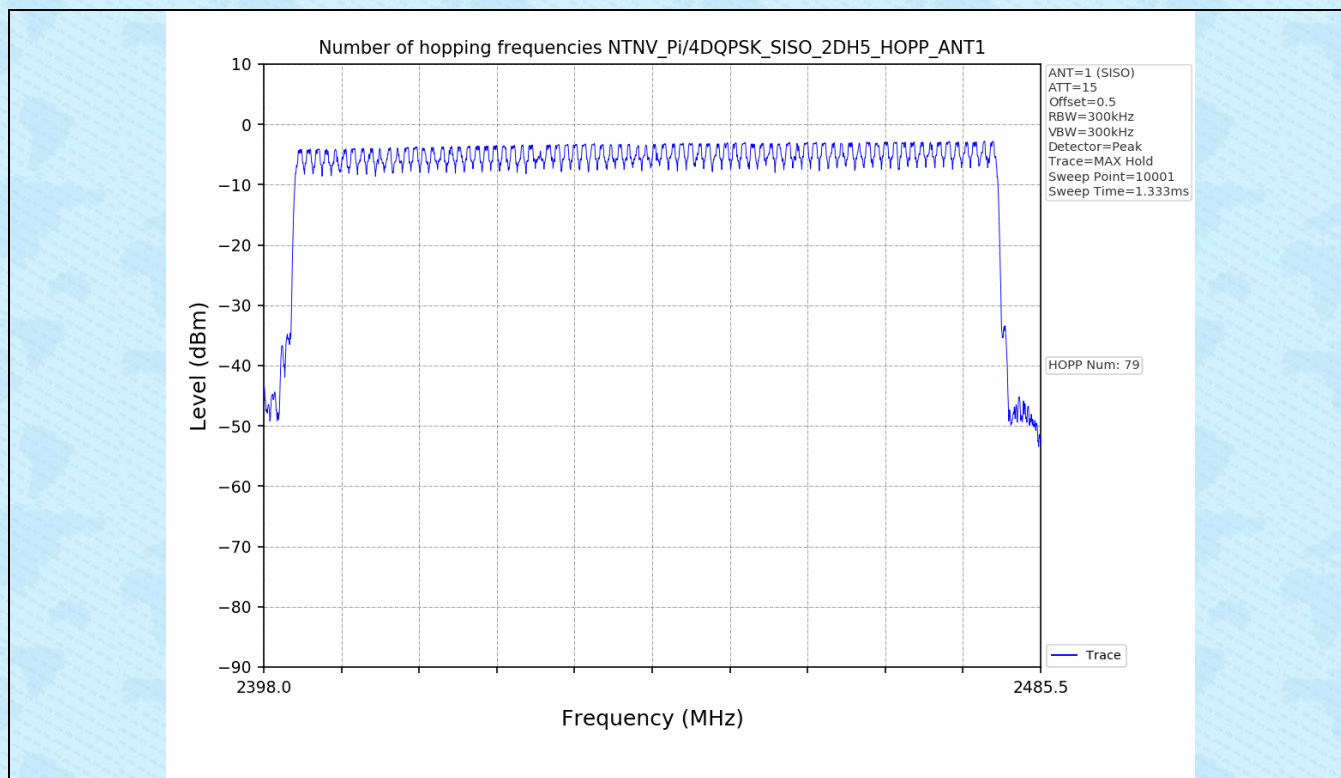
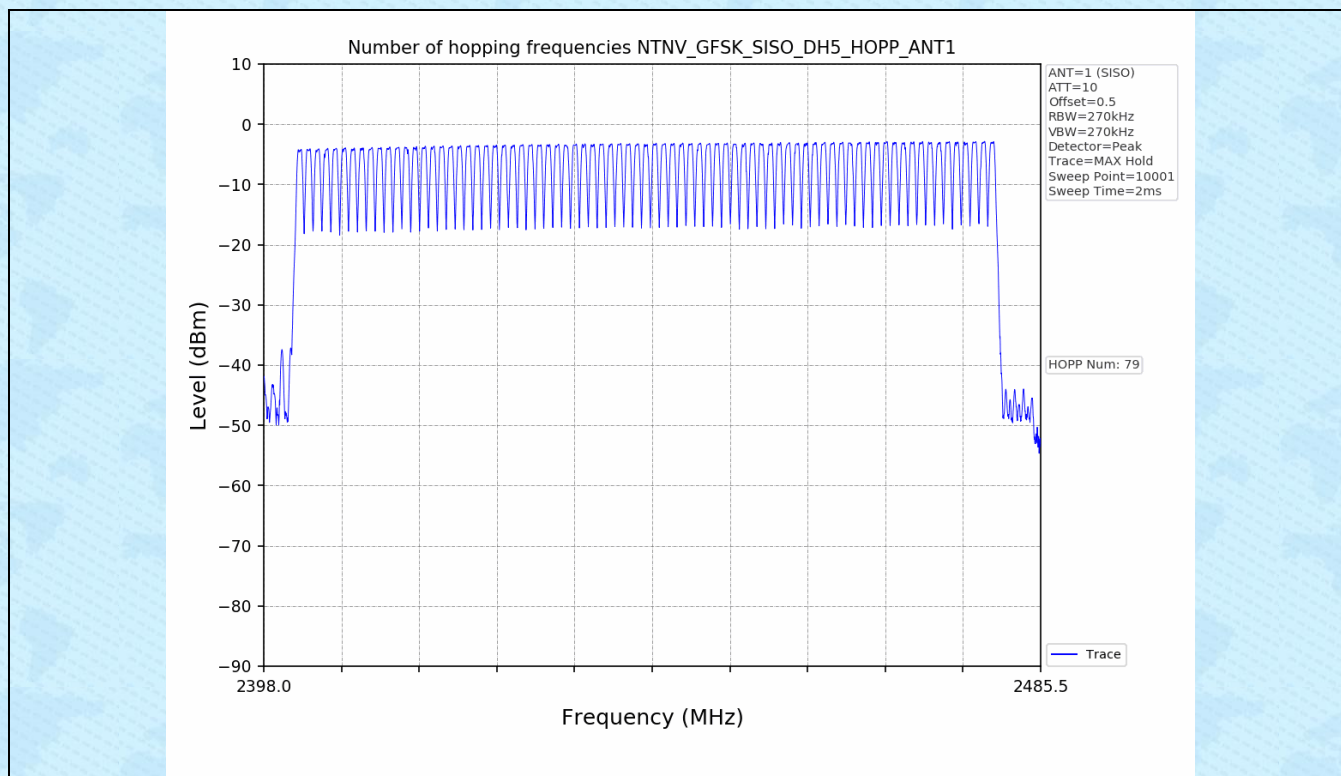


4. Number of hopping frequencies

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

4.2 Test Graph

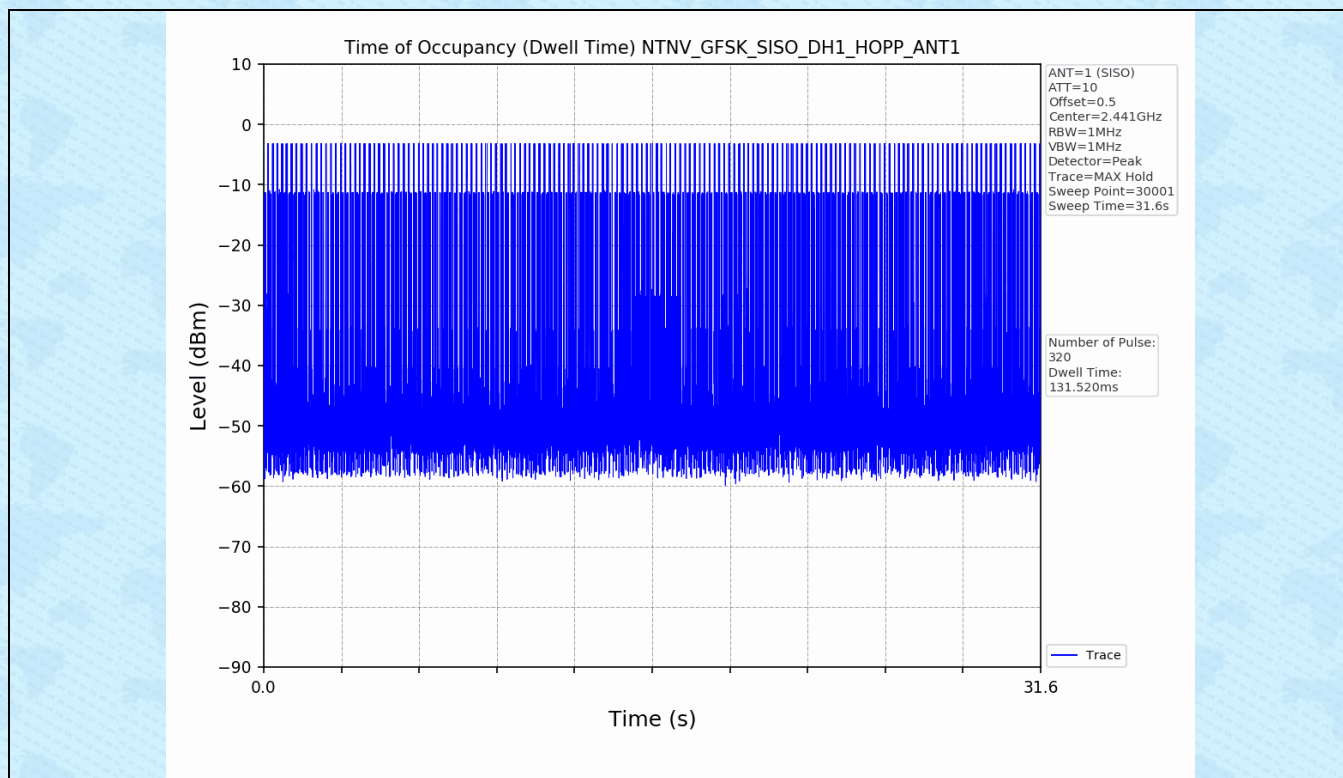
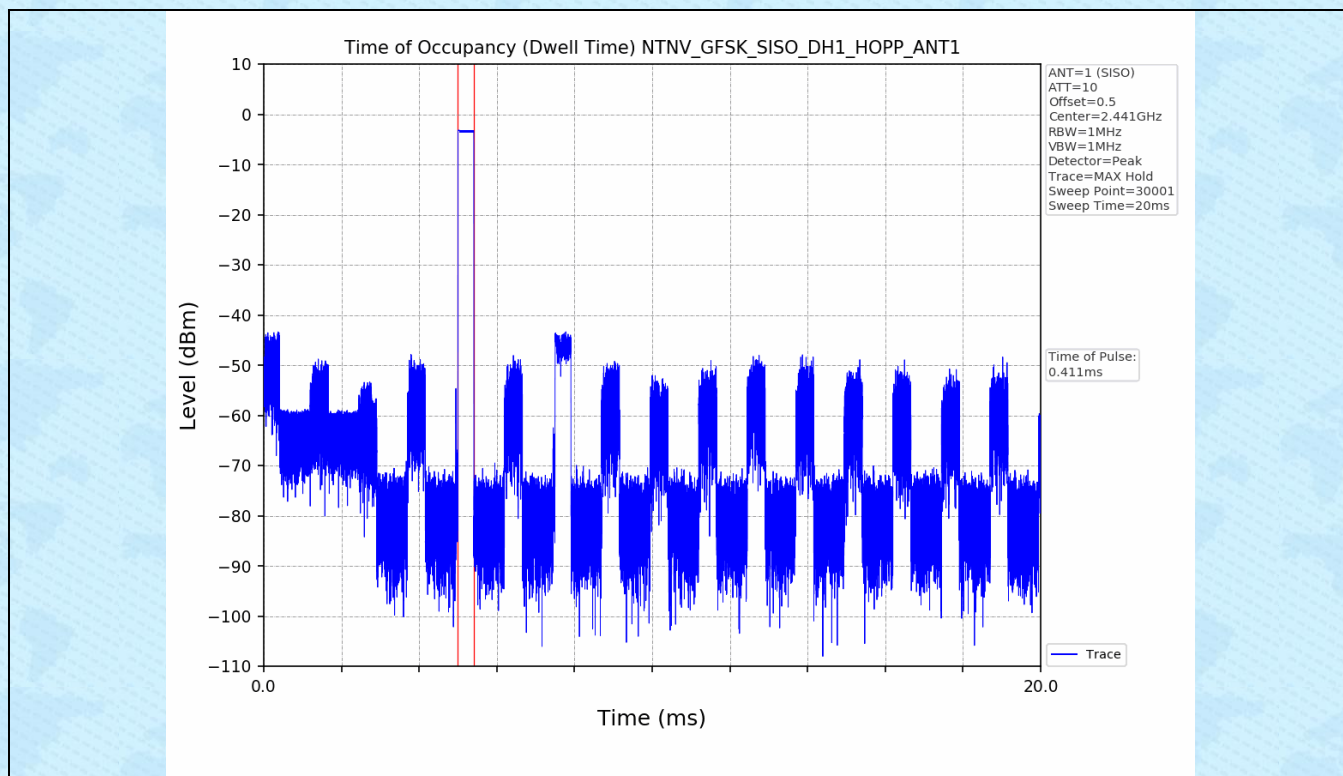


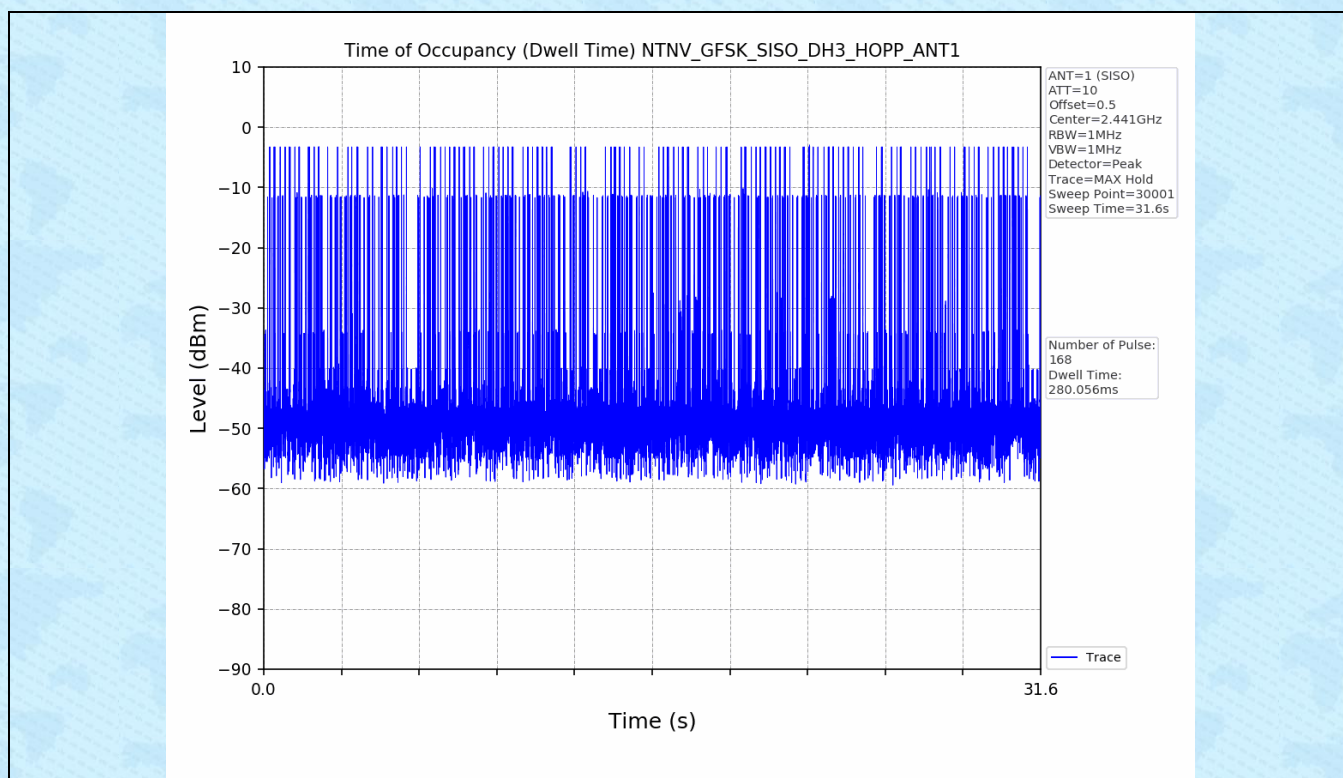
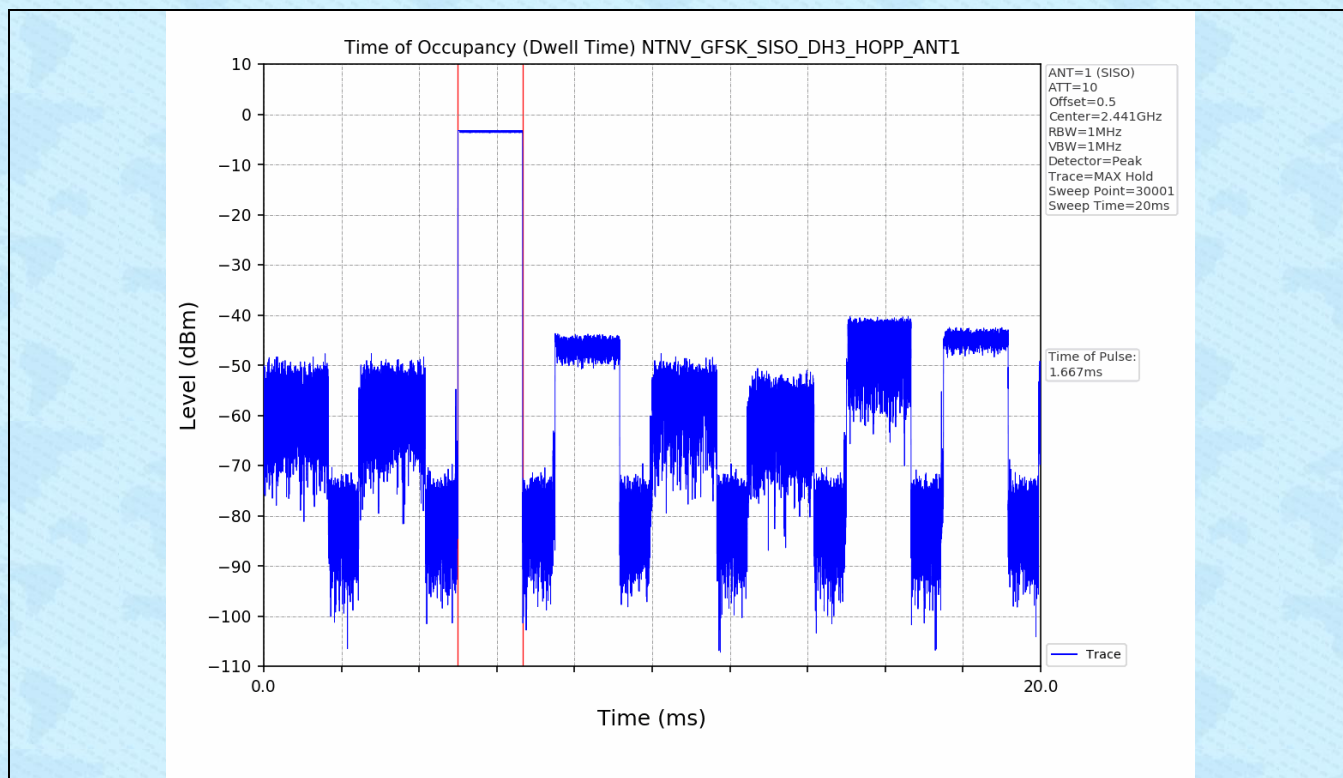
5. Time of Occupancy (Dwell Time)

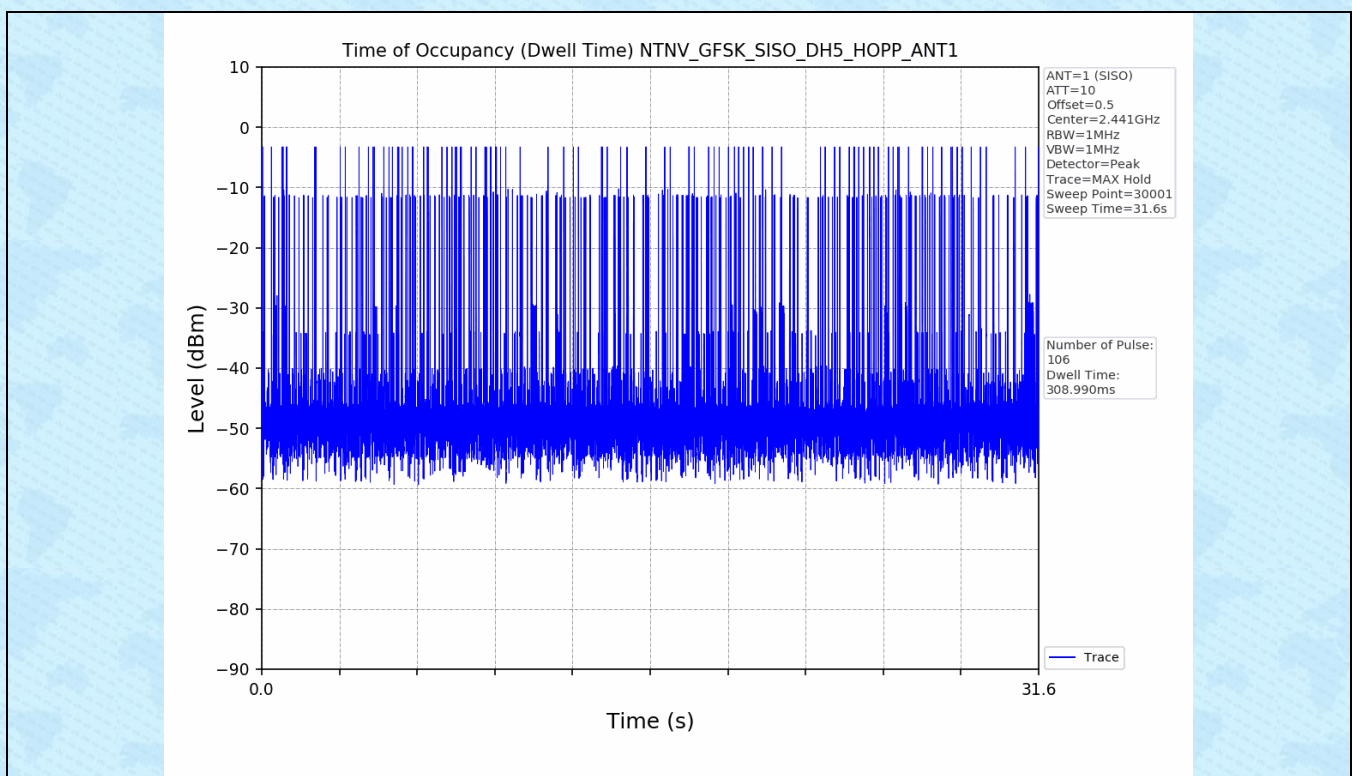
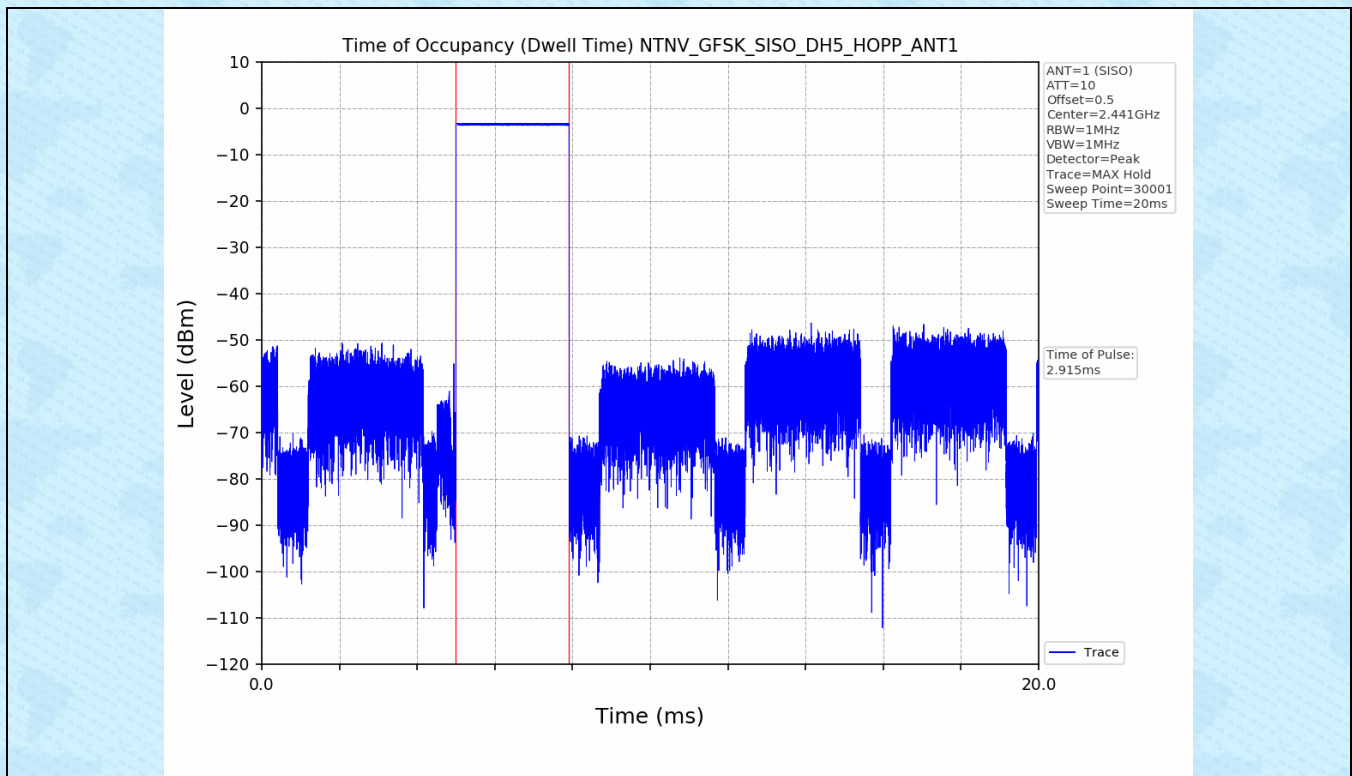
5.1 Test Result

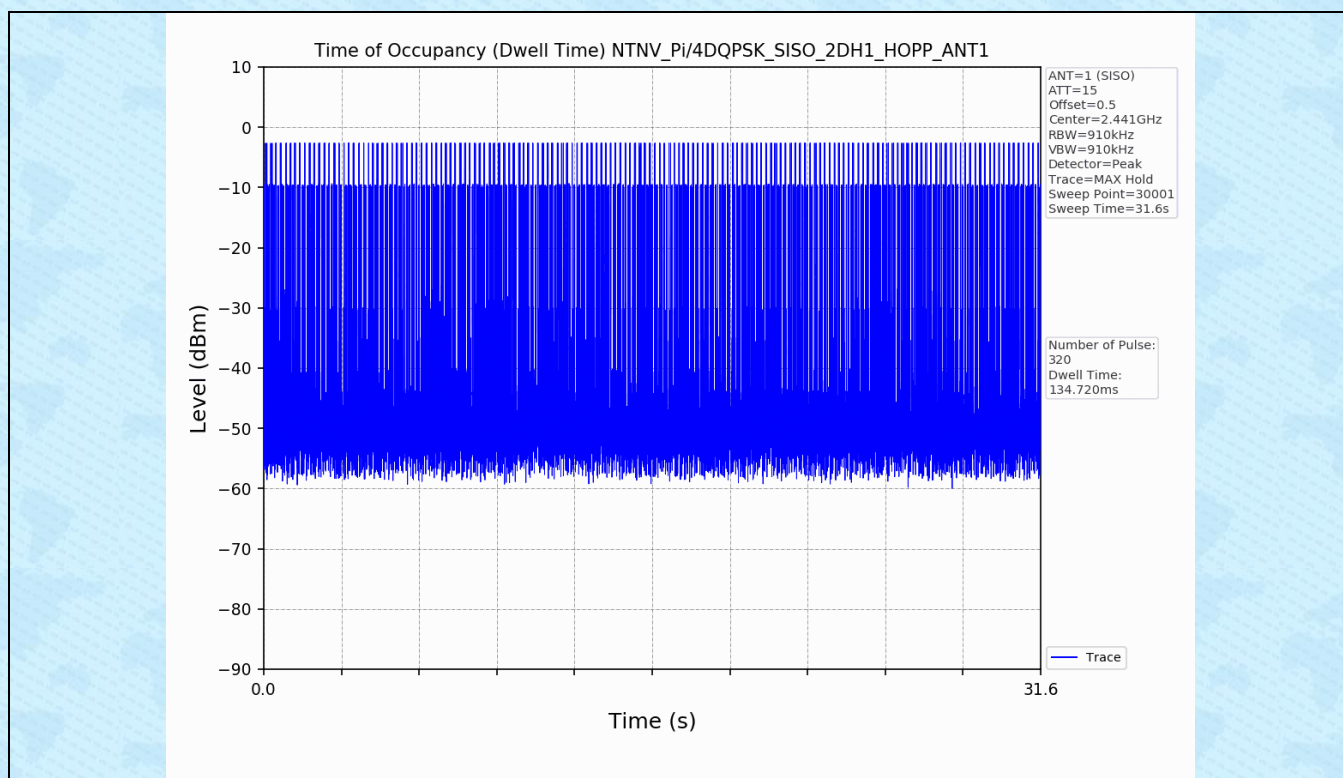
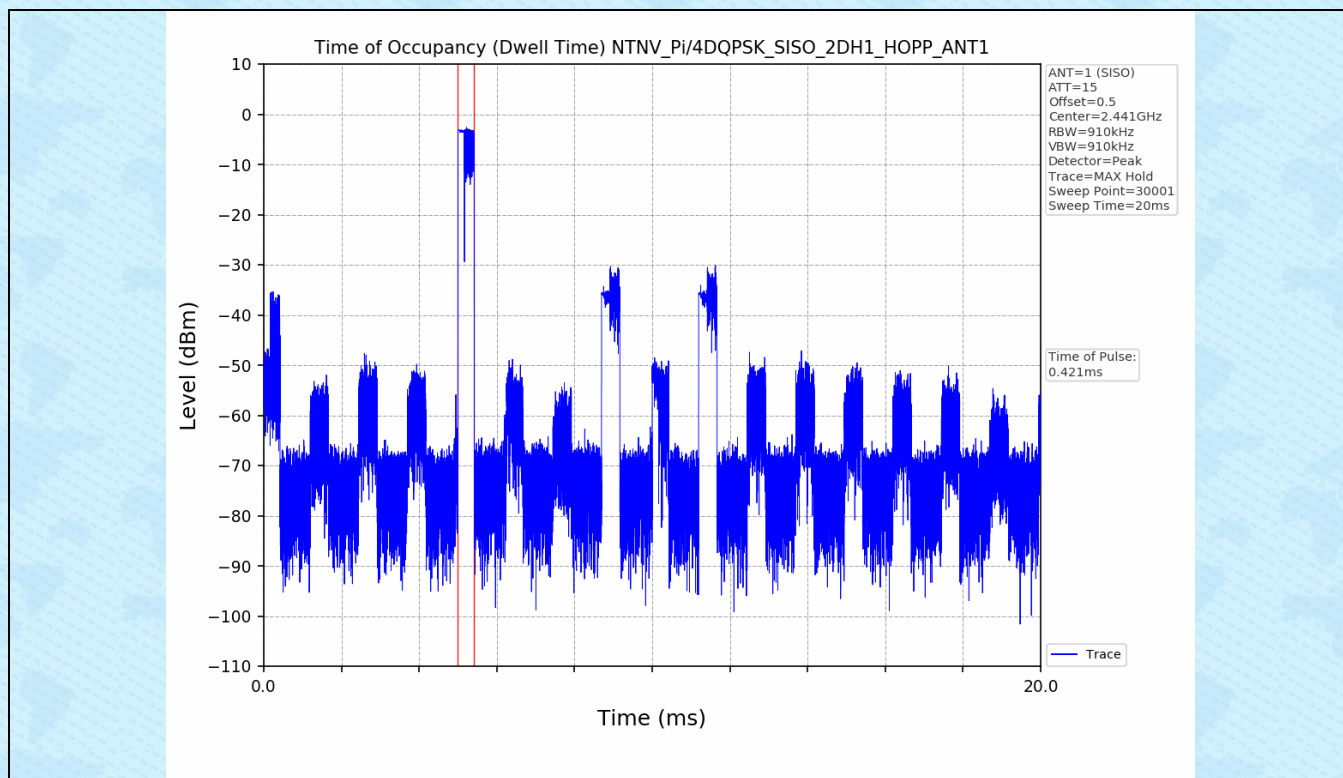
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.411	31.6	320	131.520	≤400	PASS
	DH3	SISO	1	1.667	31.6	168	280.056	≤400	PASS
	DH5	SISO	1	2.915	31.6	106	308.990	≤400	PASS
π/4-DQPSK	2DH1	SISO	1	0.421	31.6	320	134.720	≤400	PASS
	2DH3	SISO	1	1.673	31.6	157	262.661	≤400	PASS
	2DH5	SISO	1	2.921	31.6	88	257.048	≤400	PASS

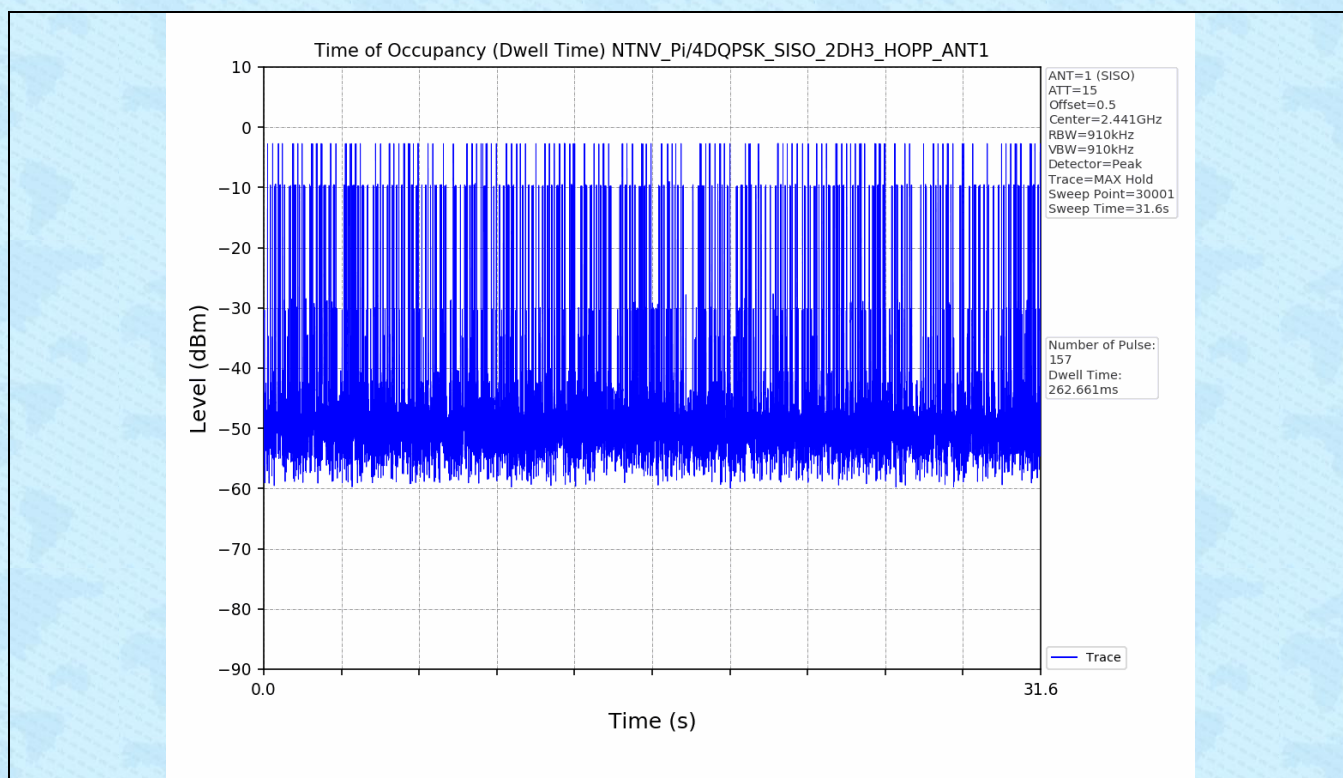
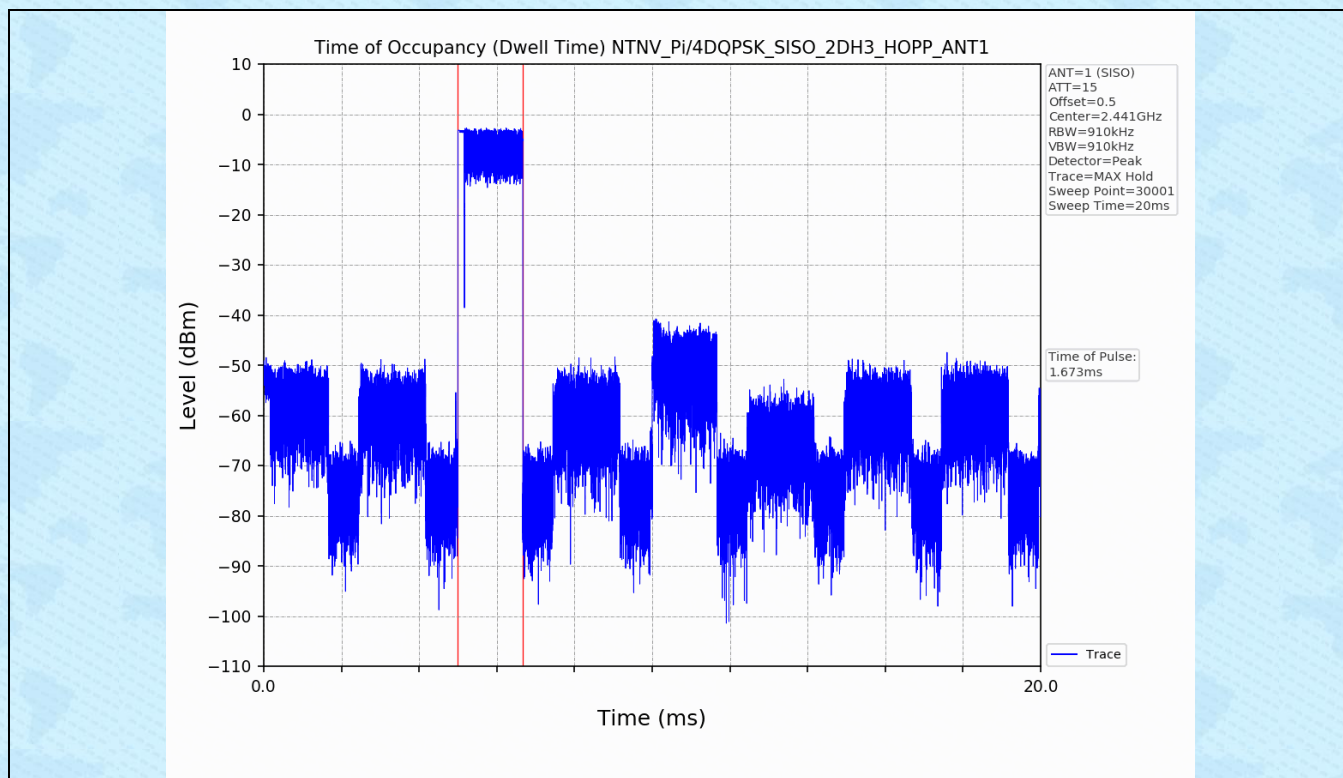
5.2 Test Graph

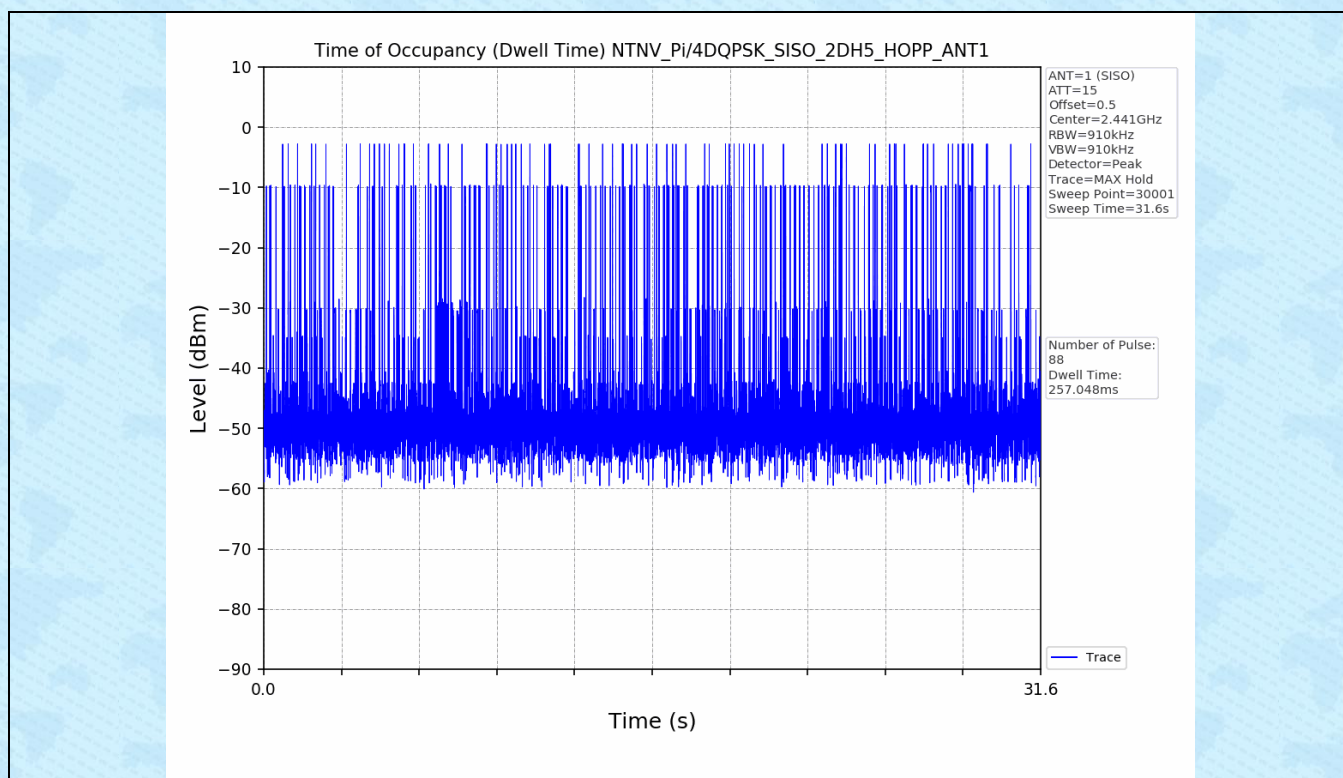
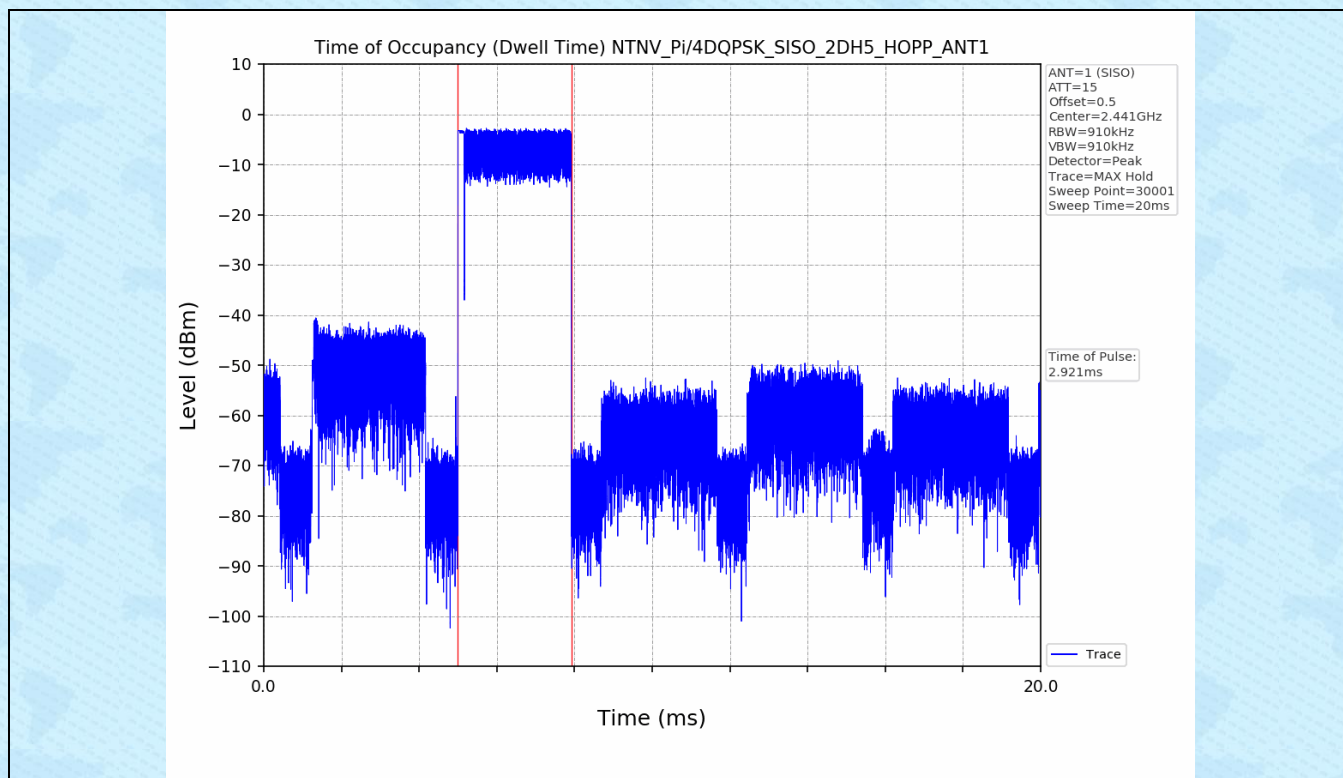










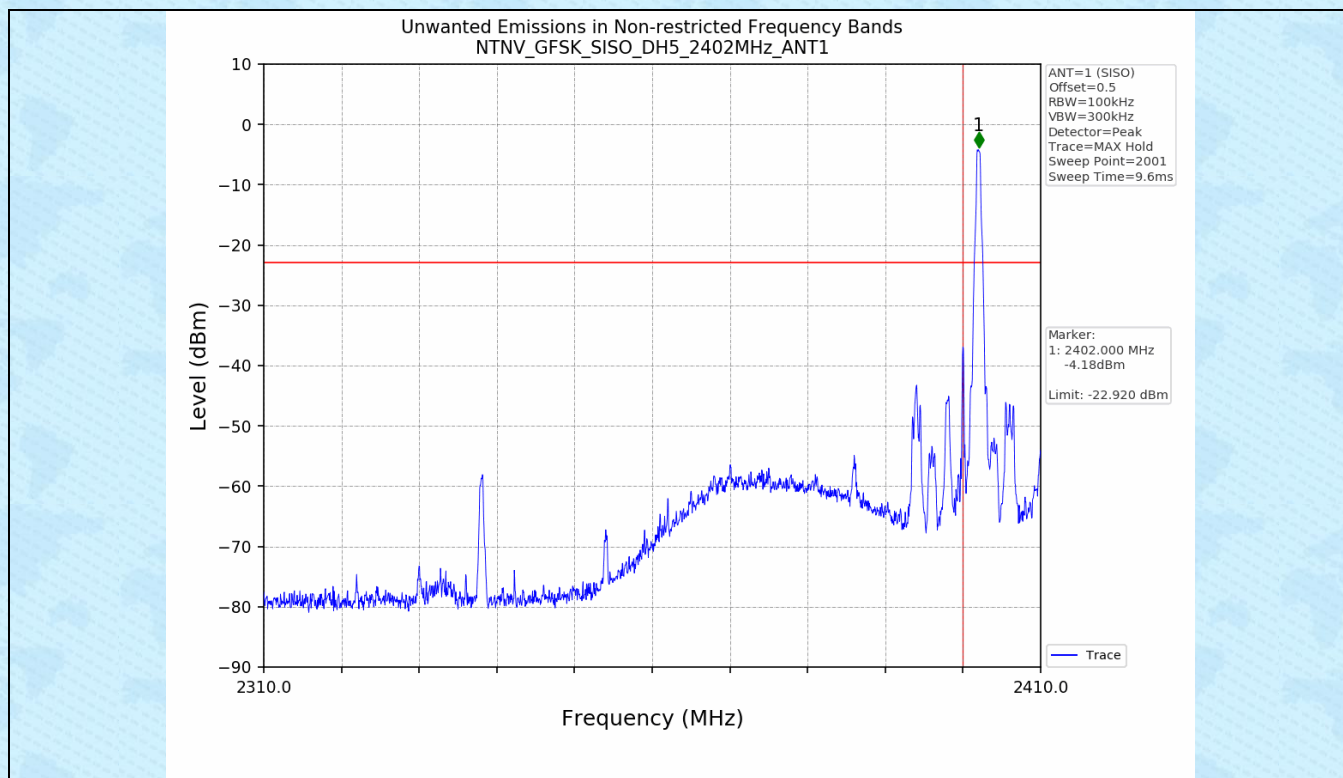
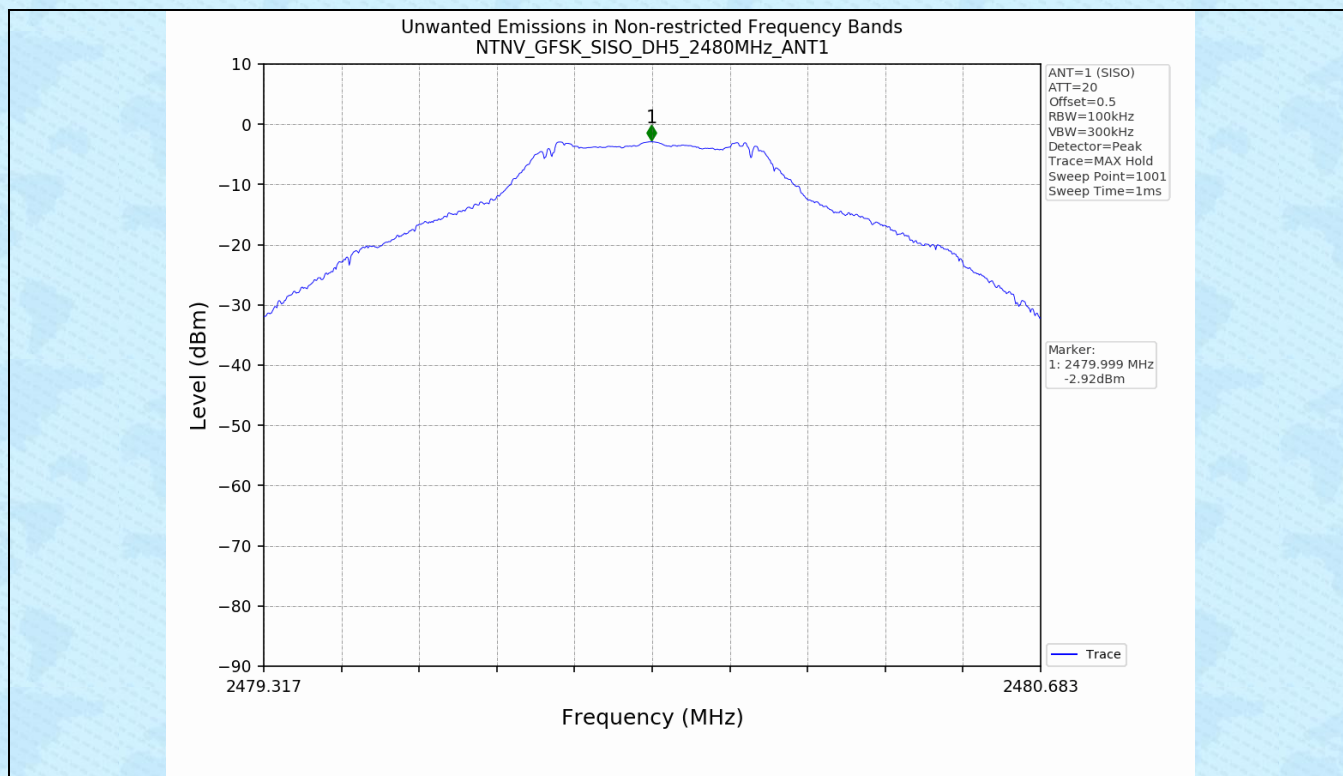


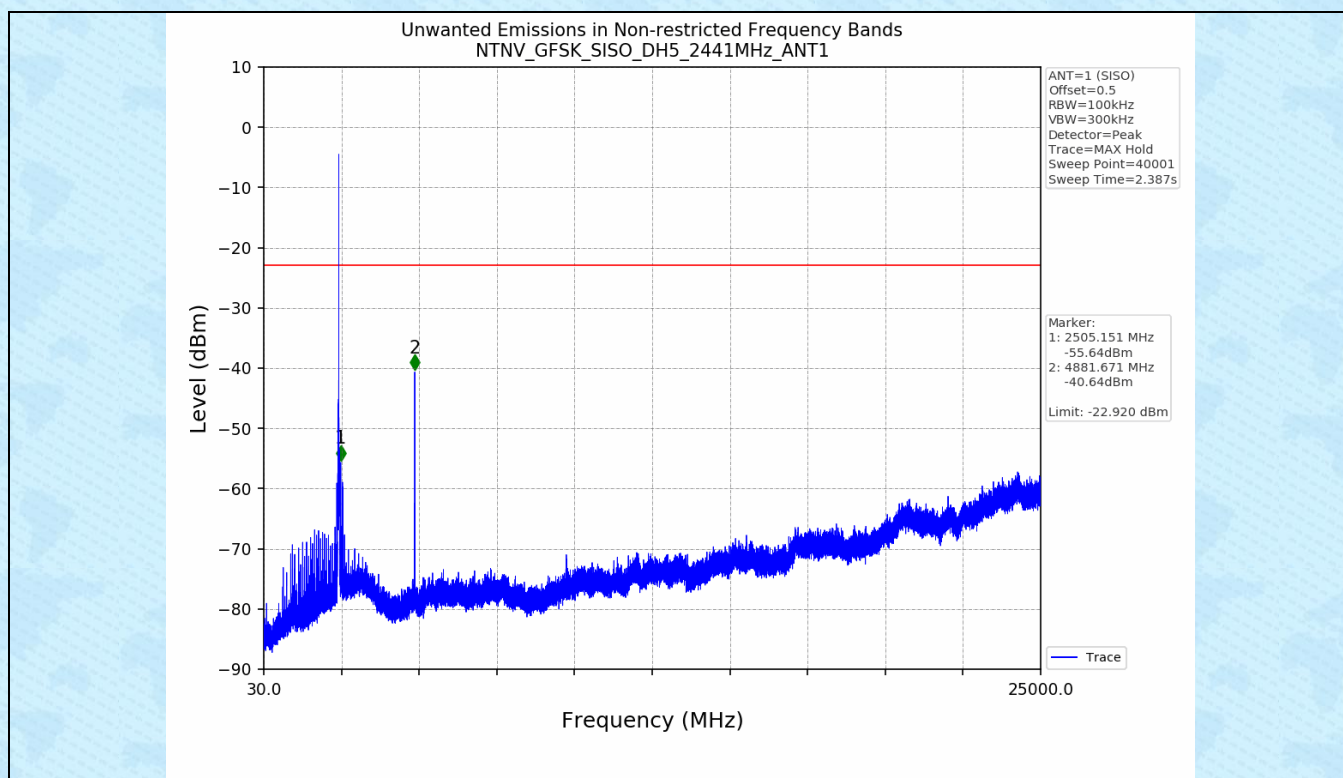
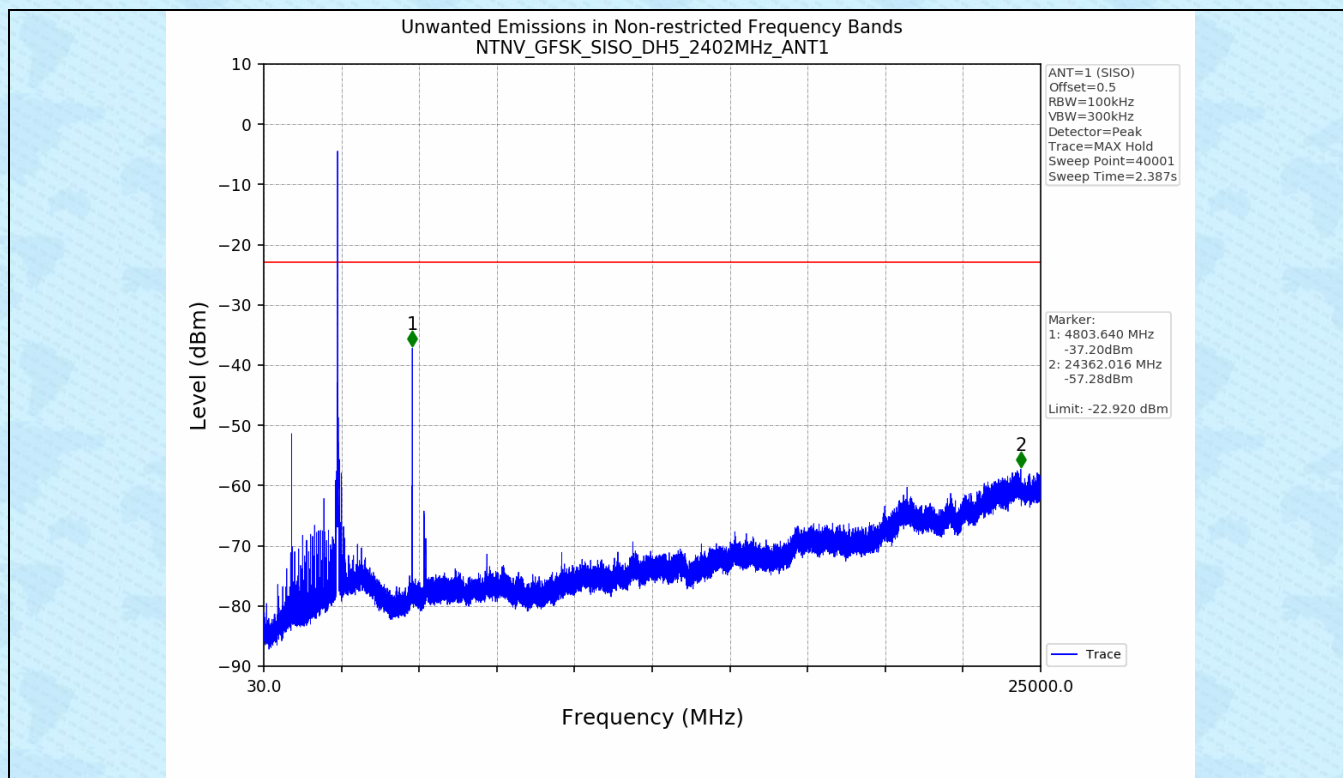
6. Unwanted Emissions in Non-restricted Frequency Bands

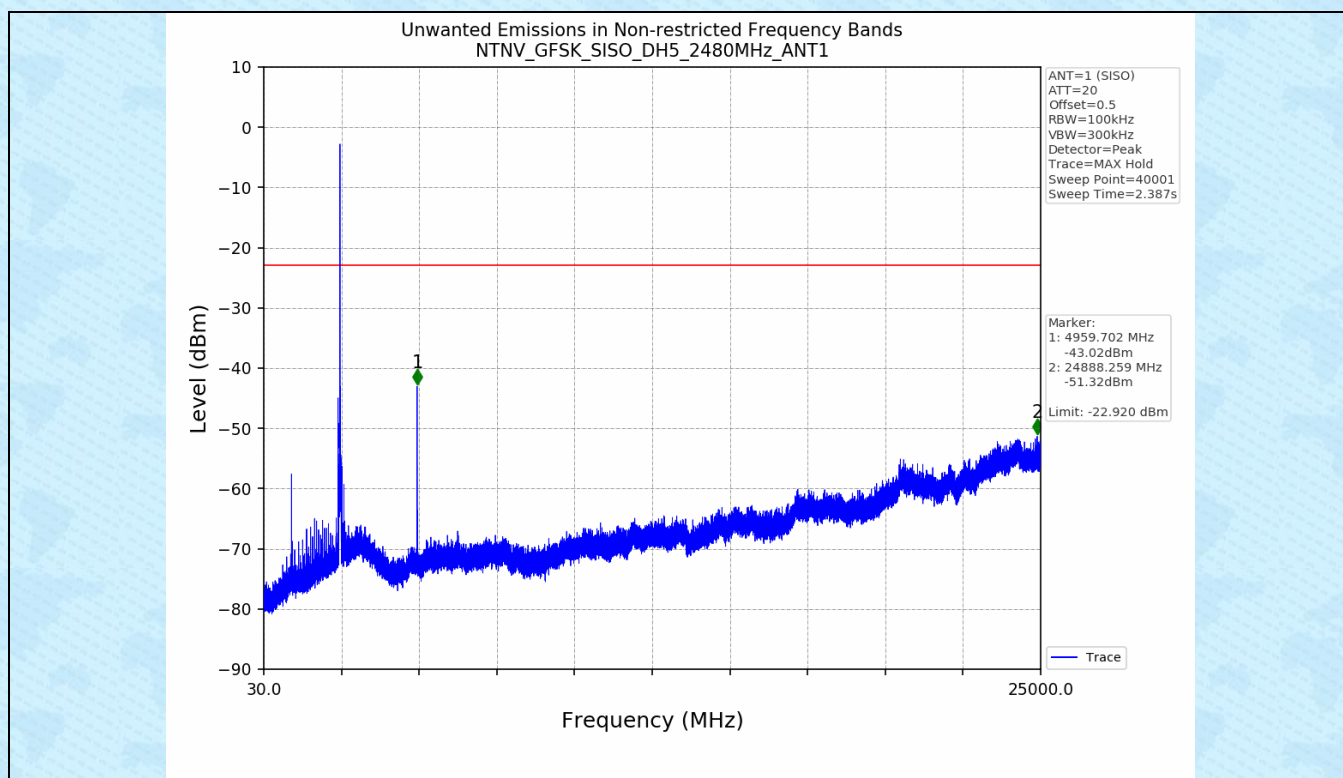
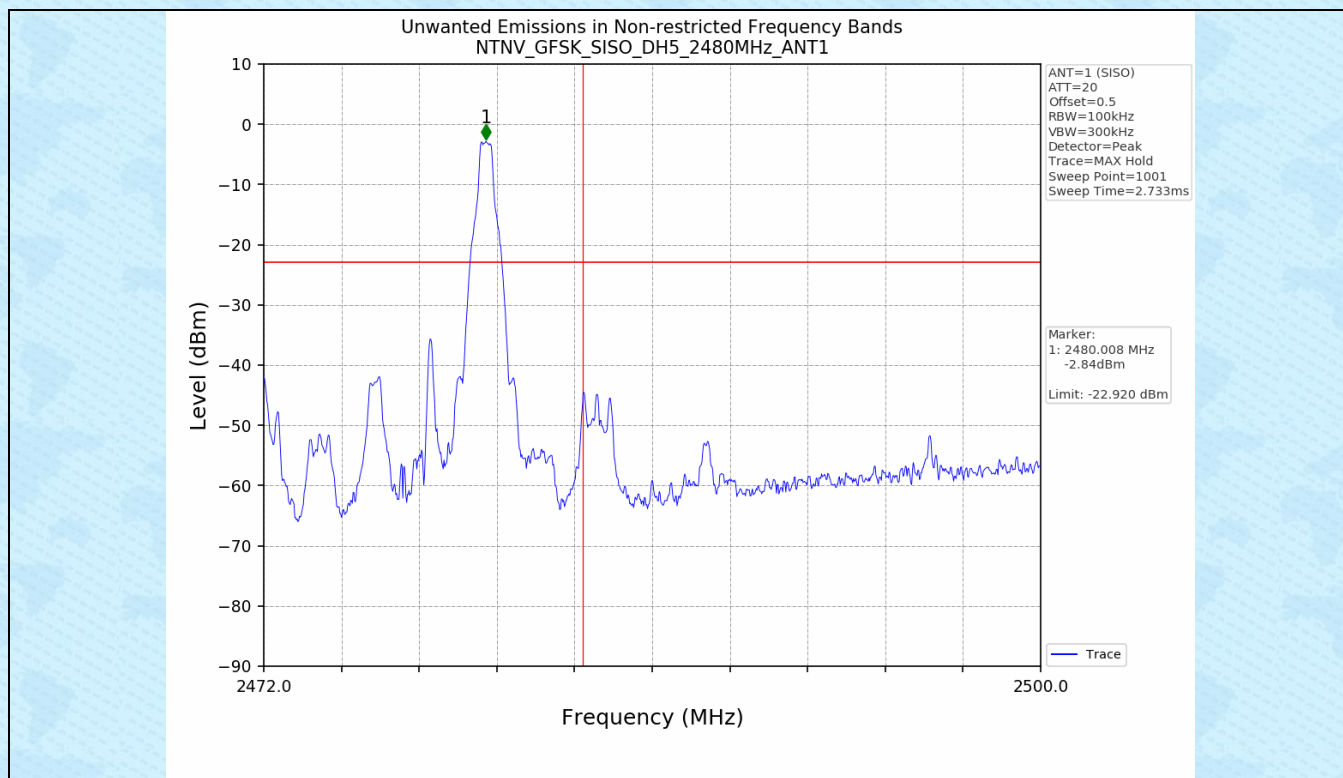
6.1 Test Result

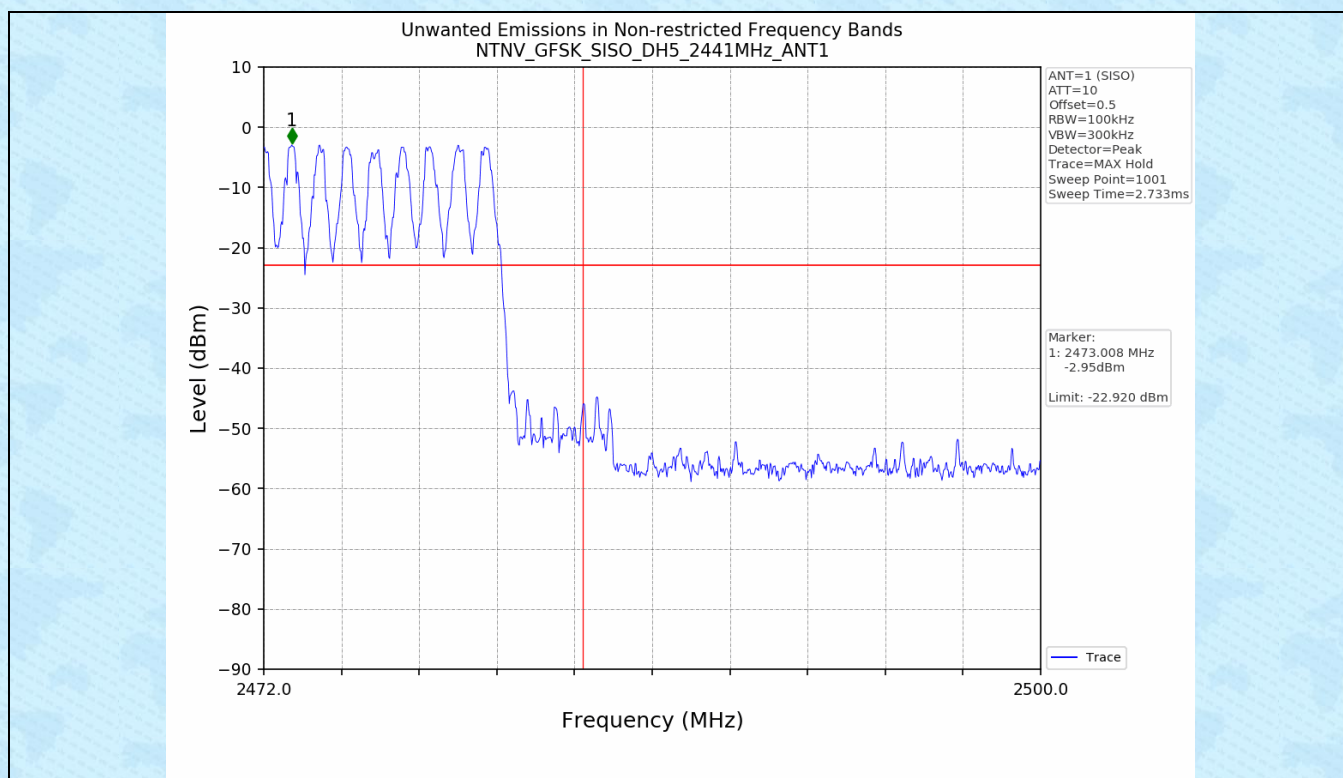
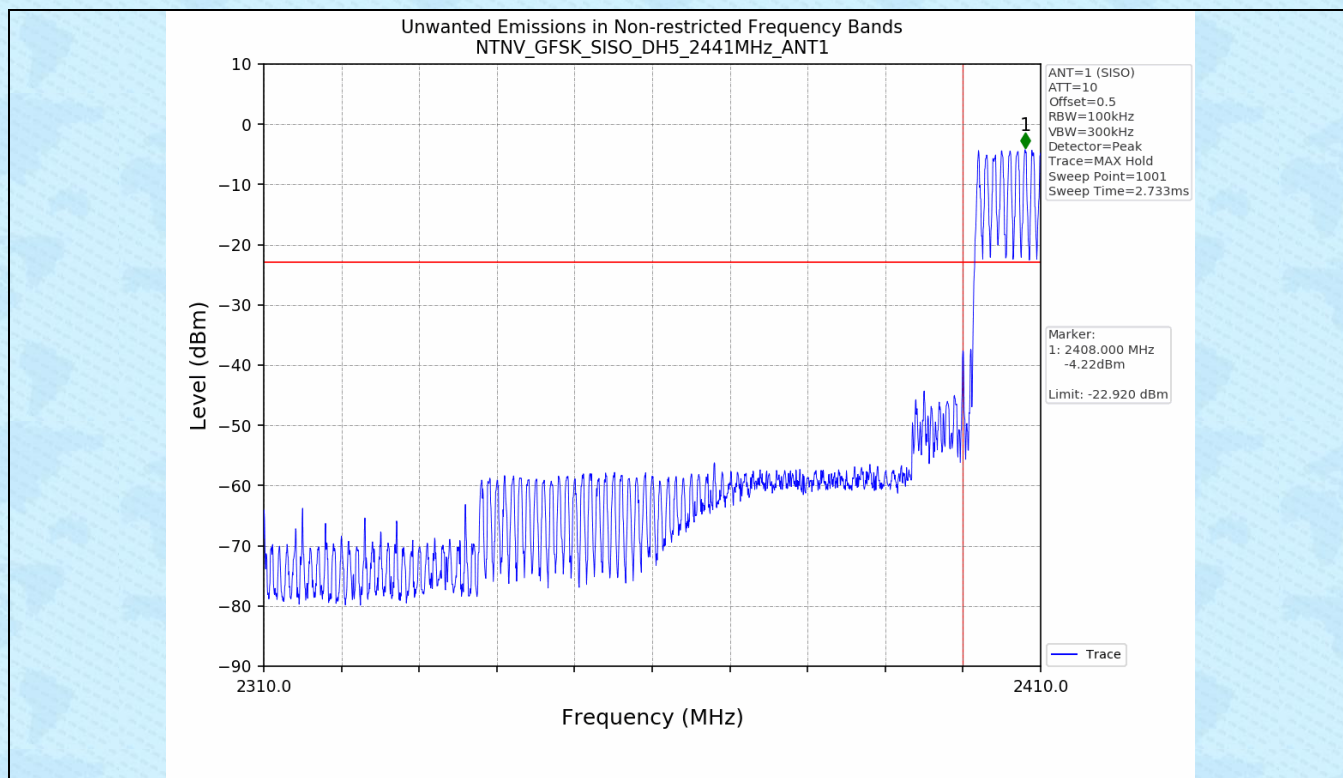
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-22.92	PASS
	2441	SISO	1	Refer to test graph	-22.92	PASS
	2480	SISO	1	Refer to test graph	-22.92	PASS
	Hopping	SISO	1	Refer to test graph	-22.92	PASS
$\pi/4$ -DQPSK	2402	SISO	1	Refer to test graph	-22.87	PASS
	2441	SISO	1	Refer to test graph	-22.87	PASS
	2480	SISO	1	Refer to test graph	-22.87	PASS
	Hopping	SISO	1	Refer to test graph	-22.87	PASS

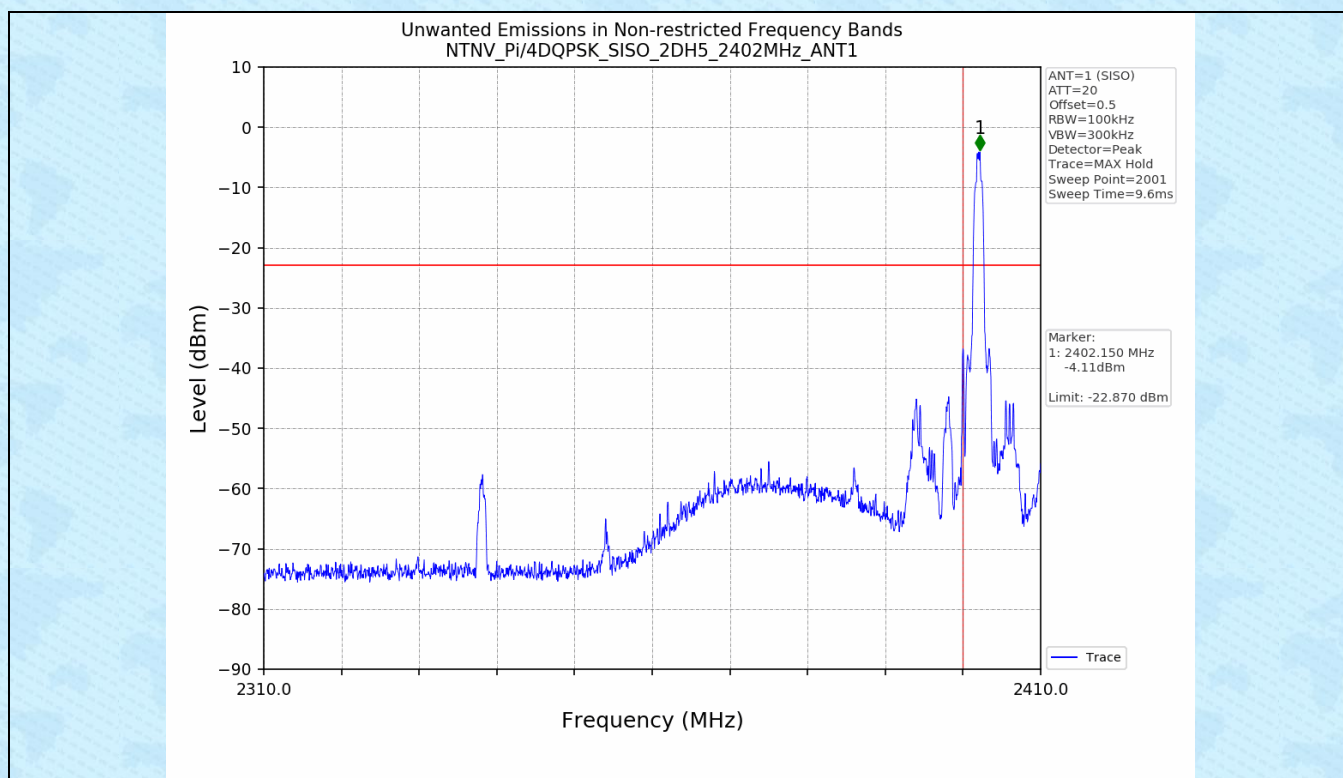
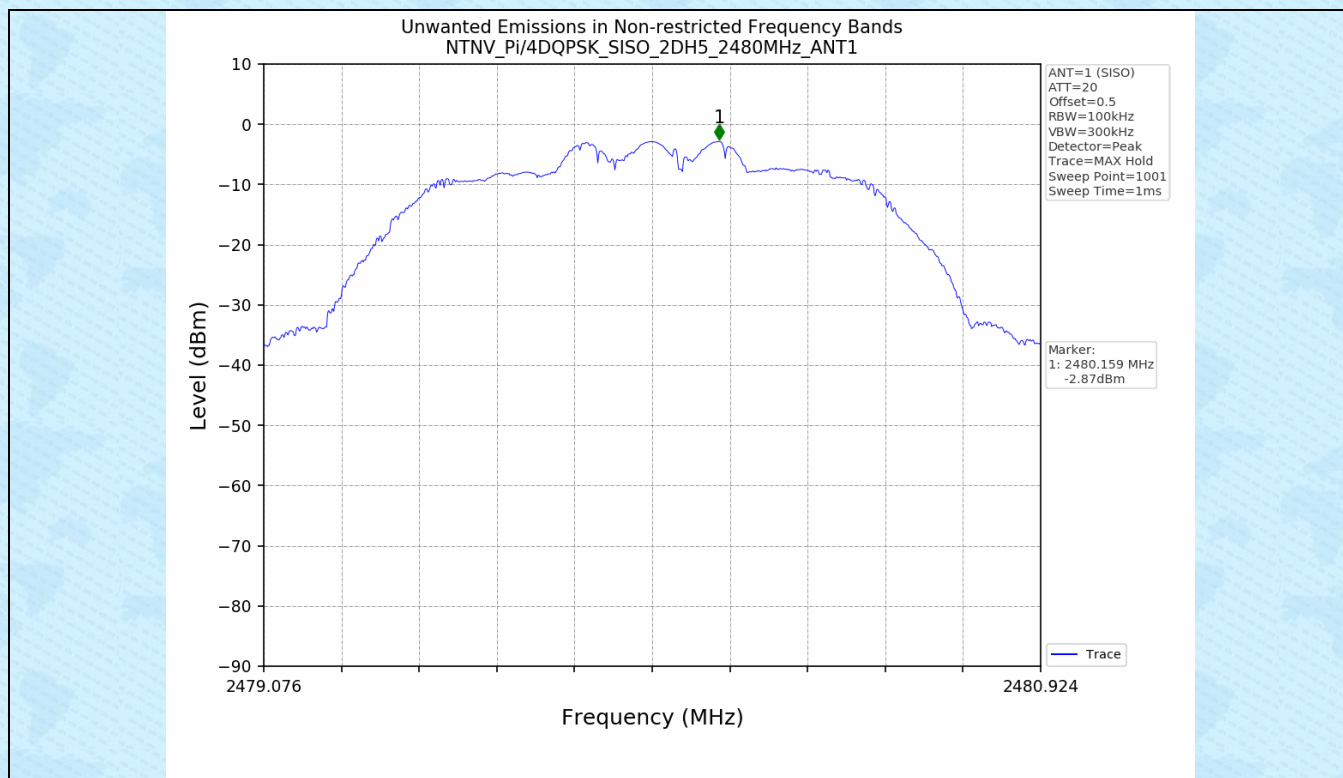
6.2 Test Graph

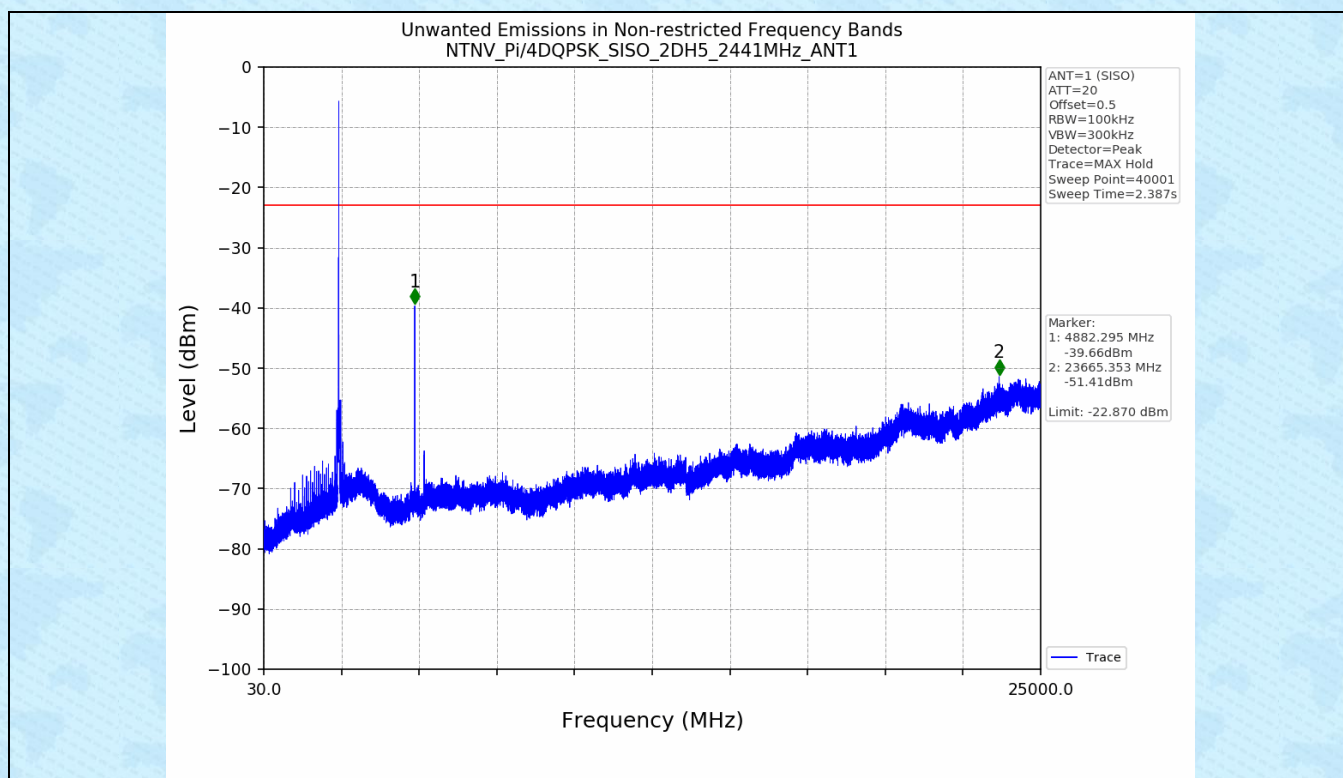
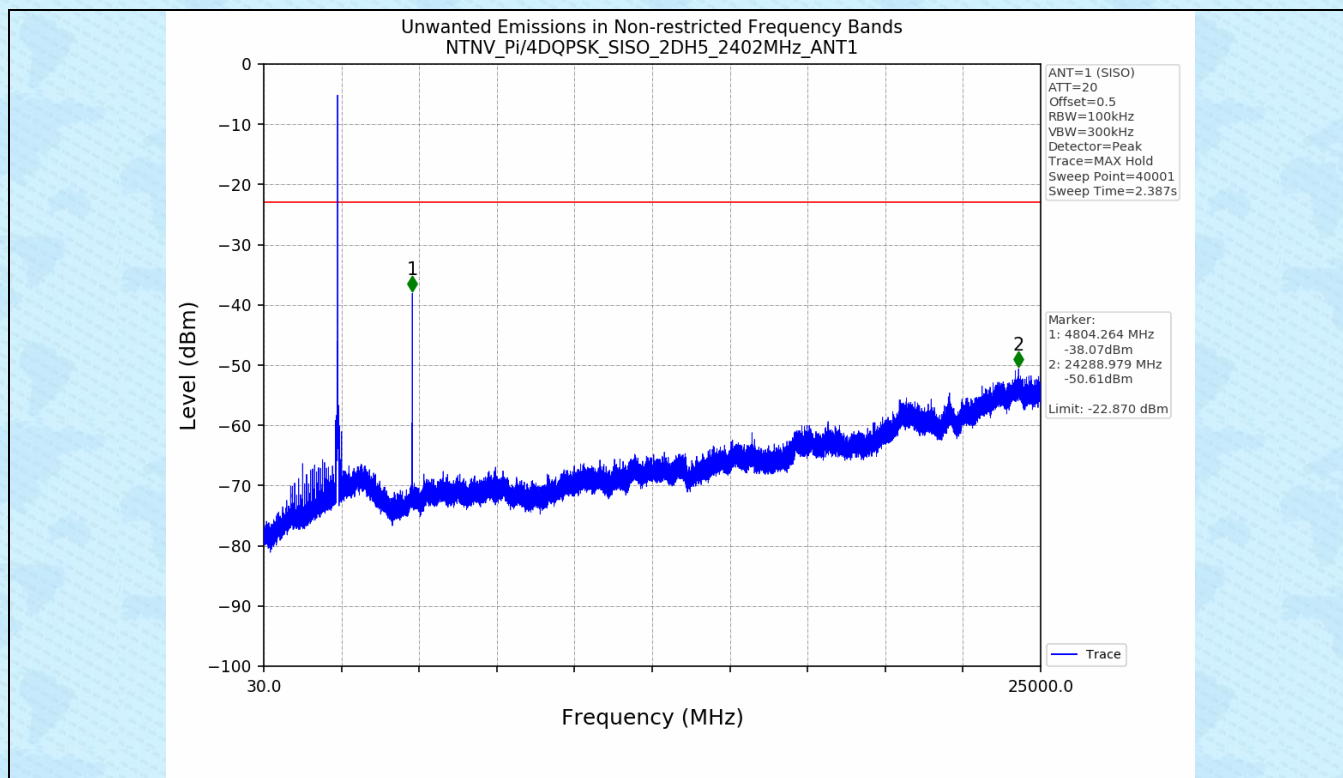


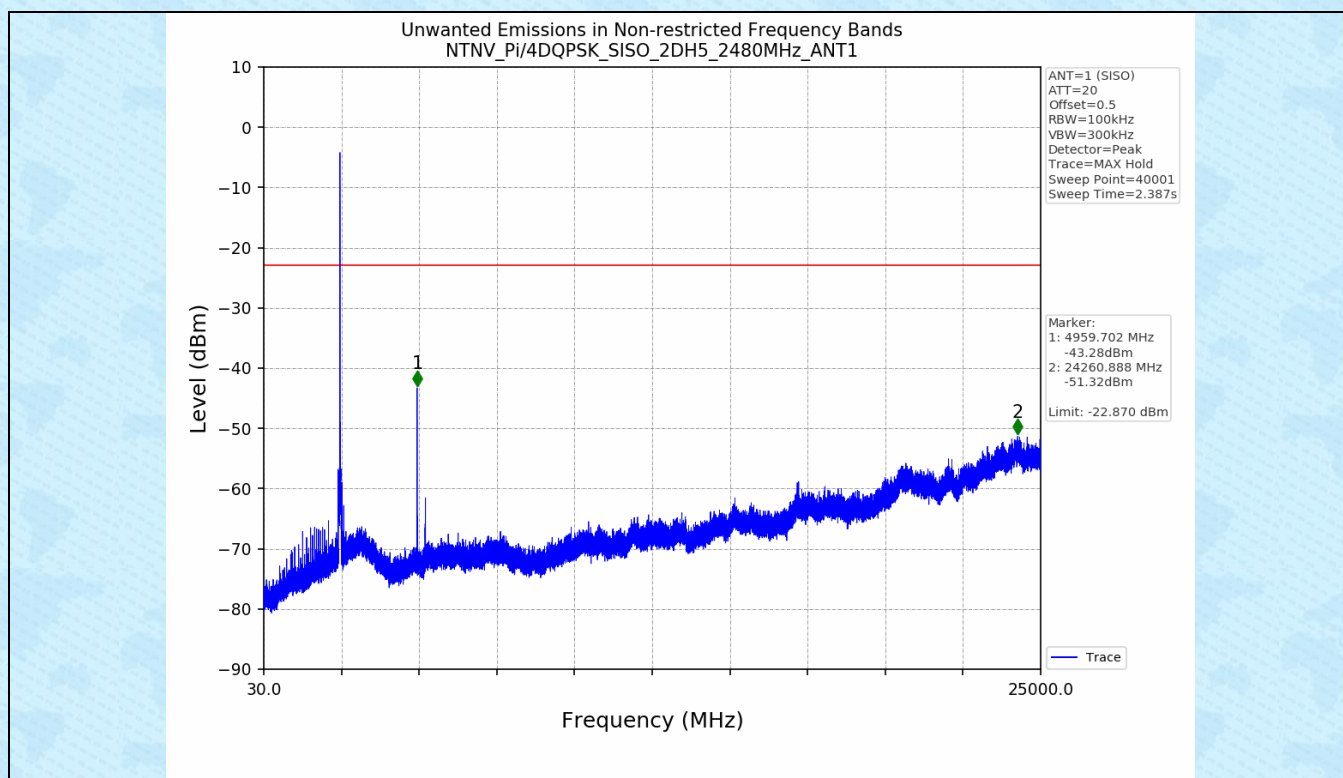
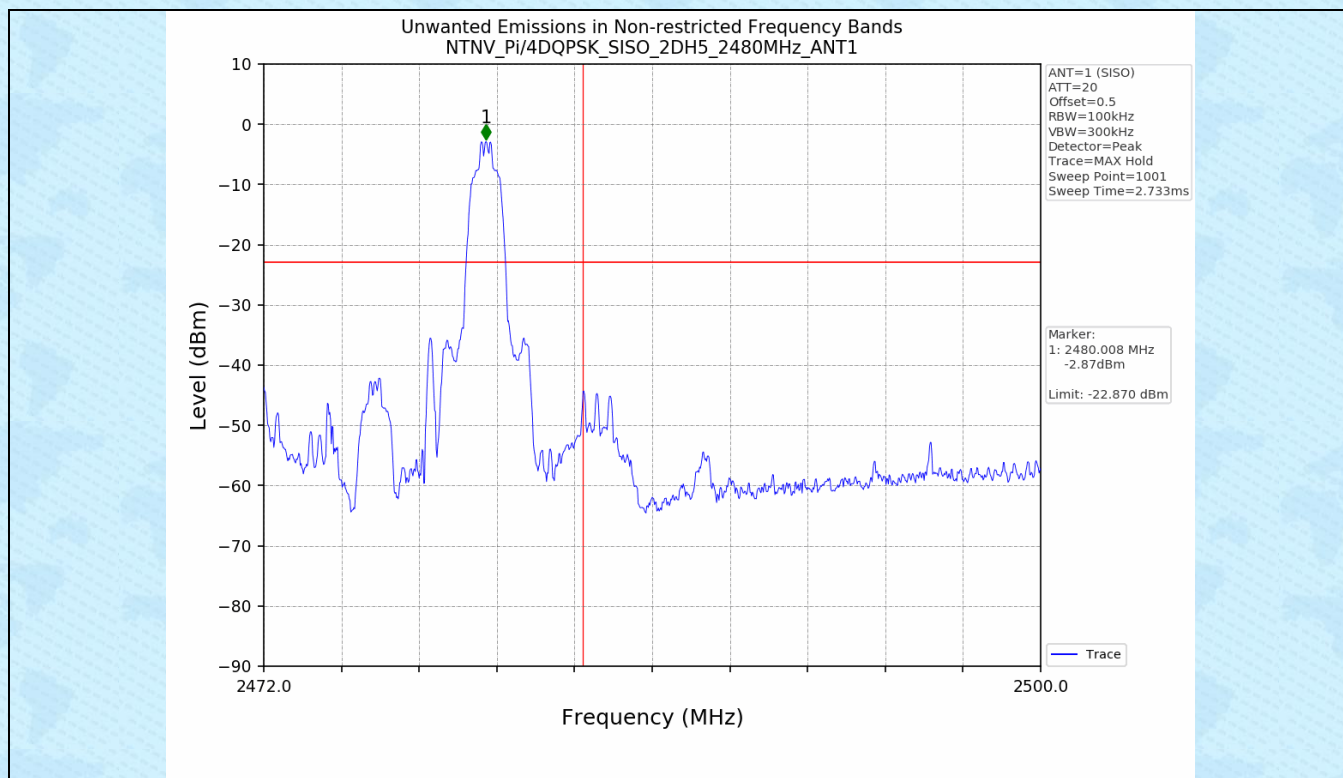


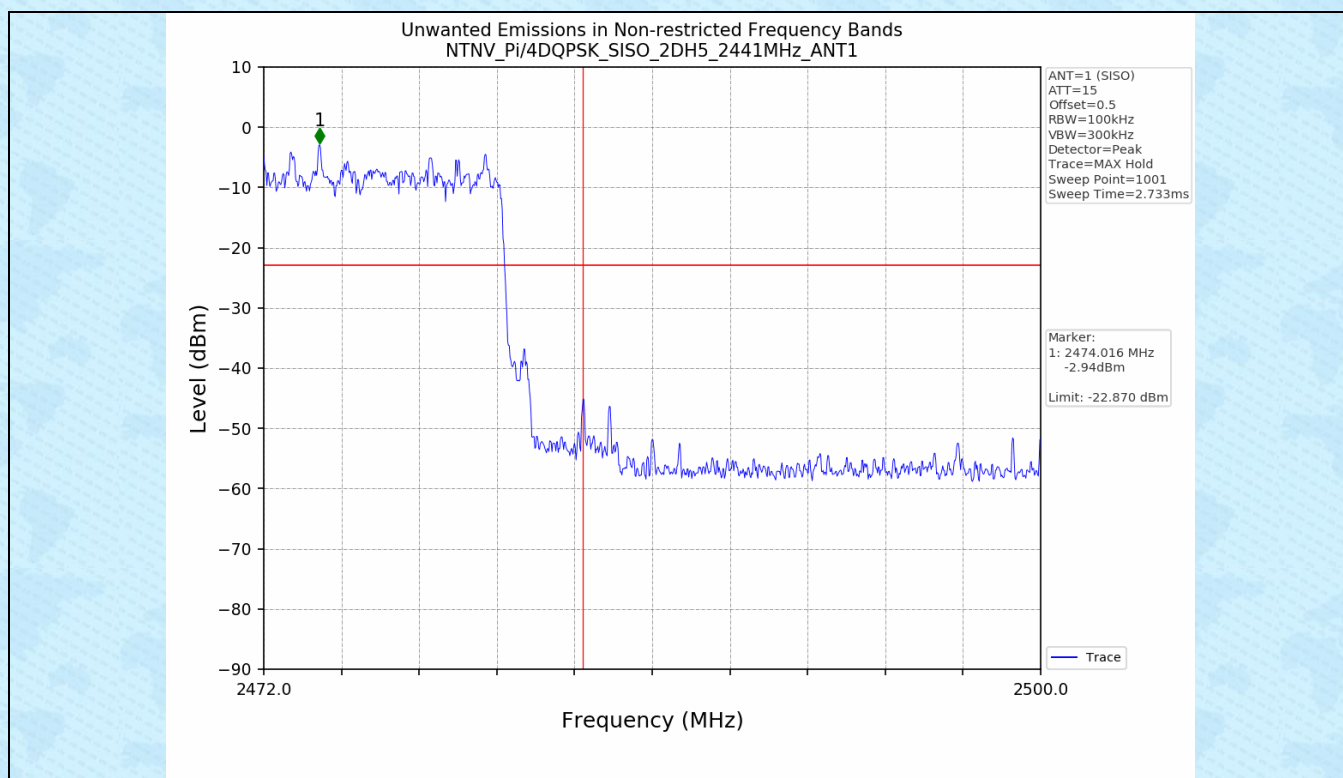
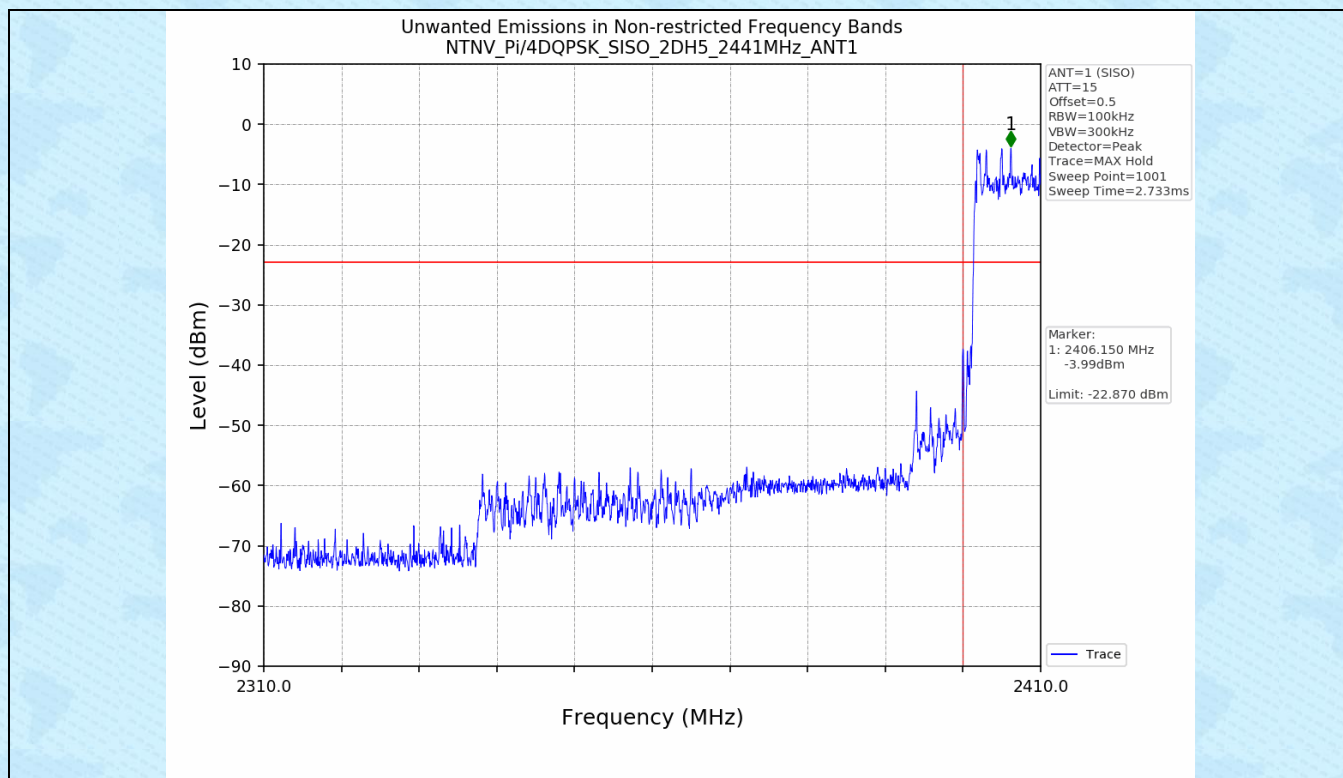












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