

Appendix for 15.247

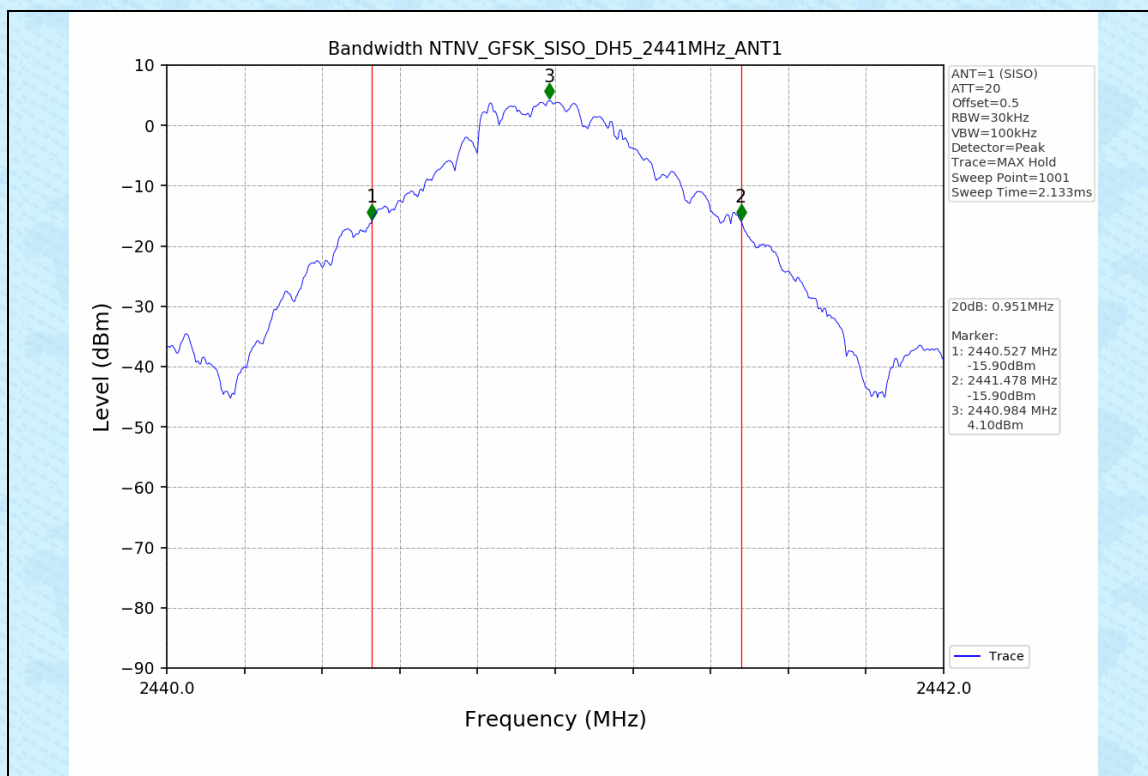
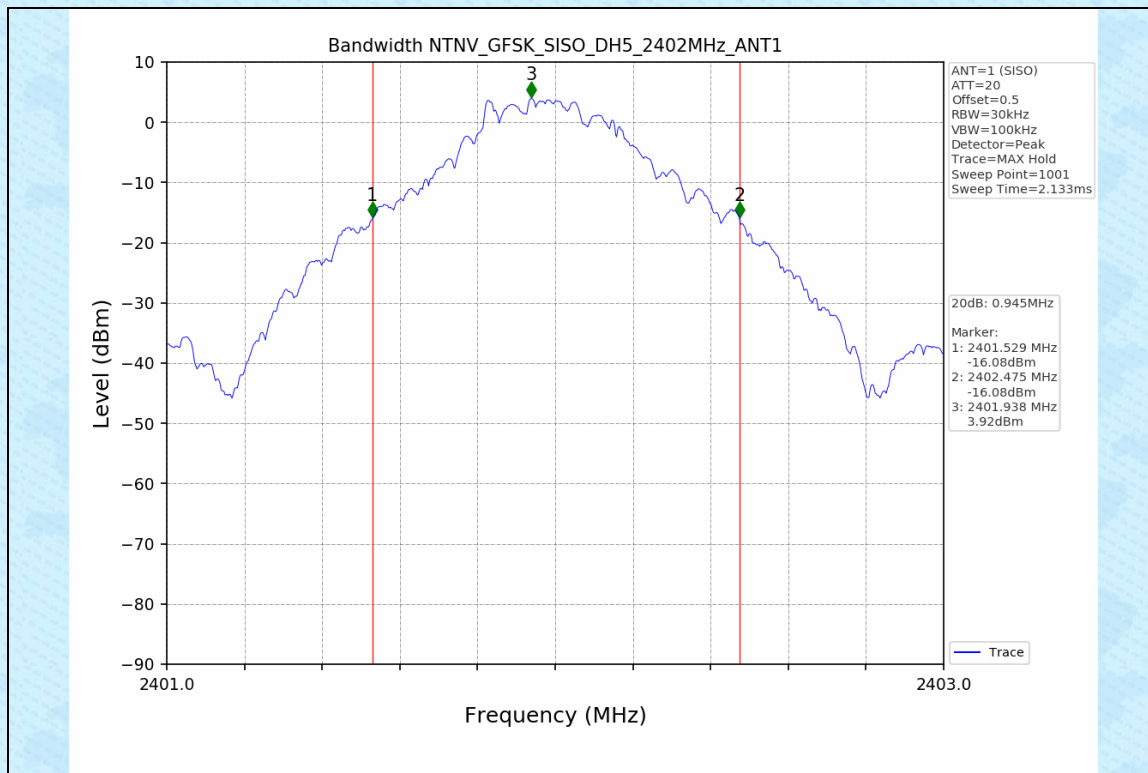
1. Bandwidth

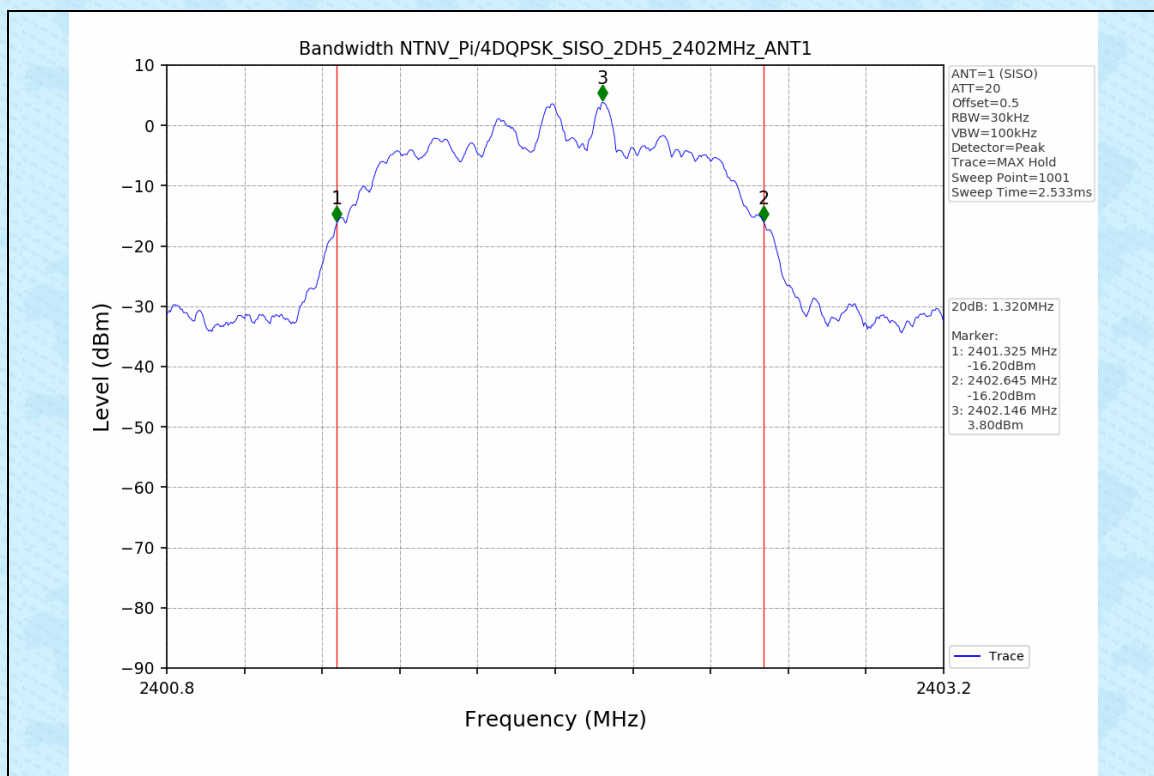
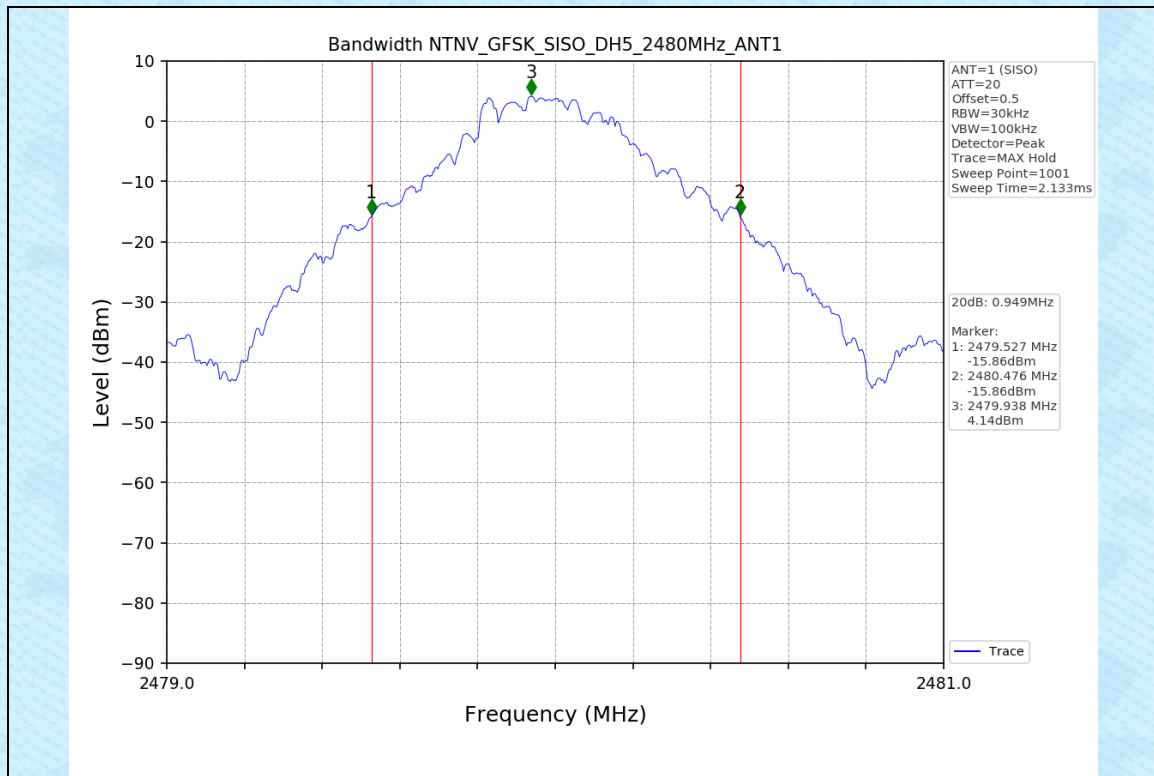
1.1 Test Result

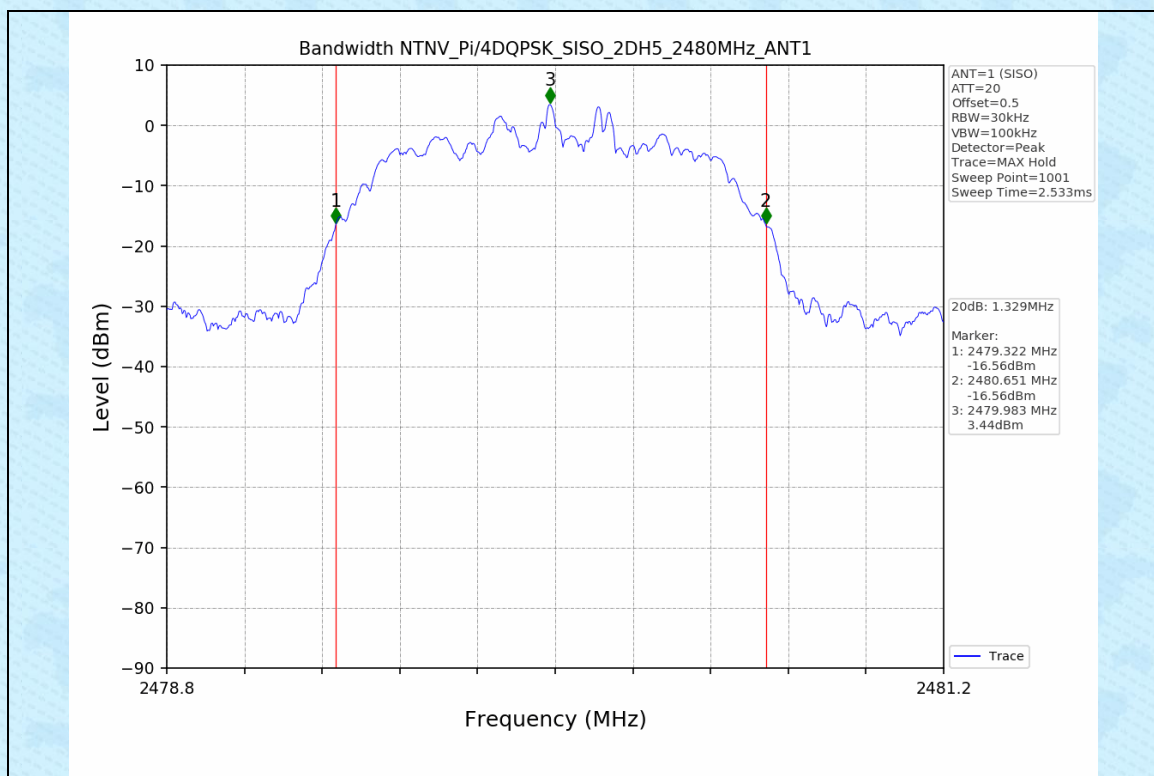
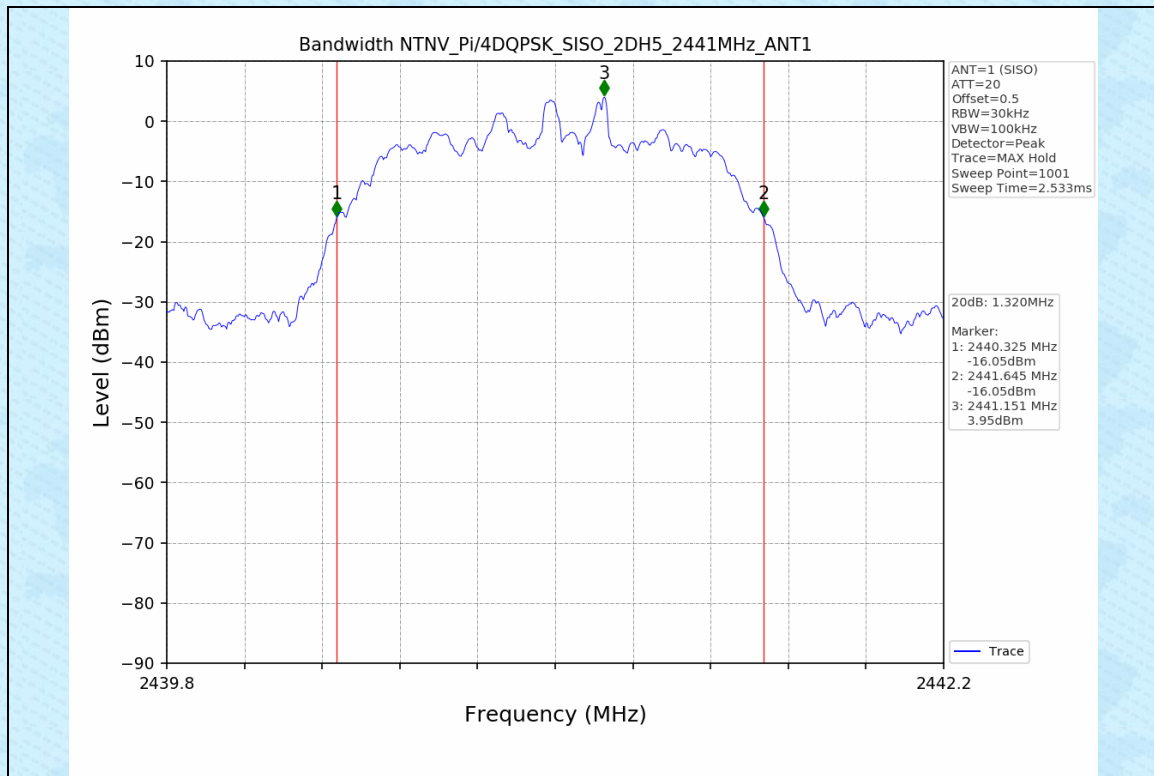
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.945	PASS
	2441	SISO	1	0.951	PASS
	2480	SISO	1	0.949	PASS
$\pi/4$ -DQPSK	2402	SISO	1	1.320	PASS
	2441	SISO	1	1.320	PASS
	2480	SISO	1	1.329	PASS

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	0.840	Only for Report Use
	2480	SISO	1	0.842	Only for Report Use
$\pi/4$ -DQPSK	2402	SISO	1	1.192	Only for Report Use
	2441	SISO	1	1.191	Only for Report Use
	2480	SISO	1	1.192	Only for Report Use

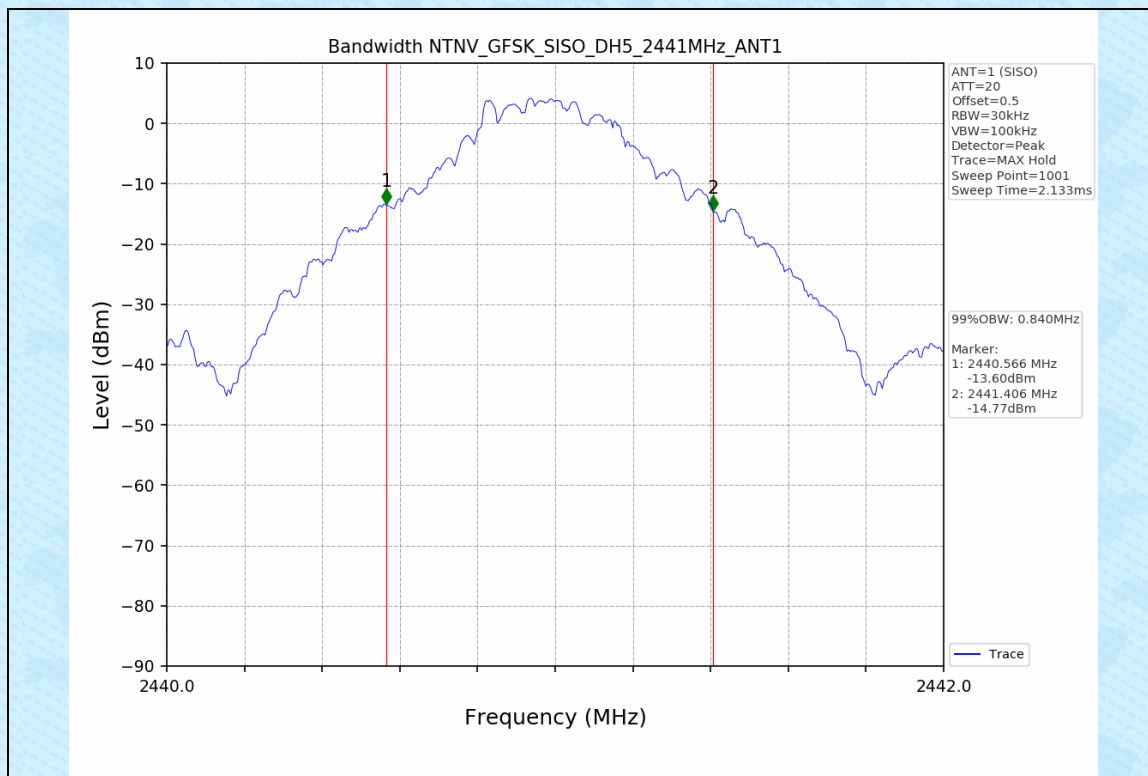
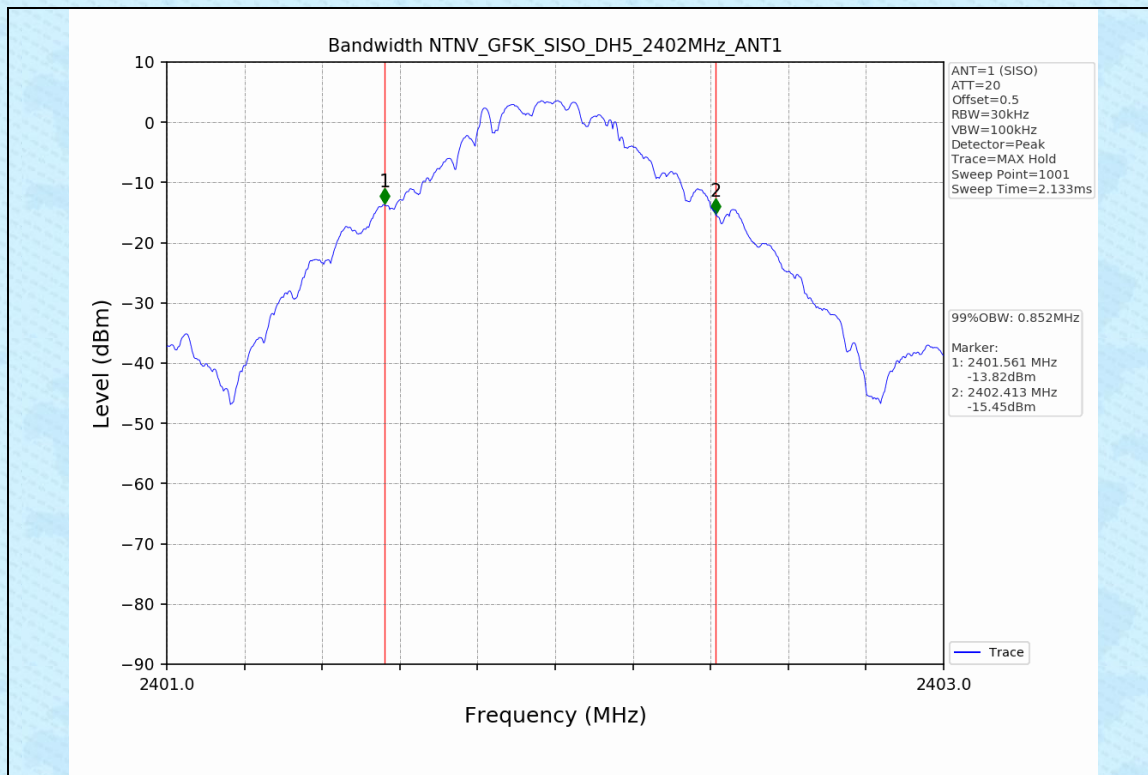
1.2 Test Graph - 20dB Bandwidth

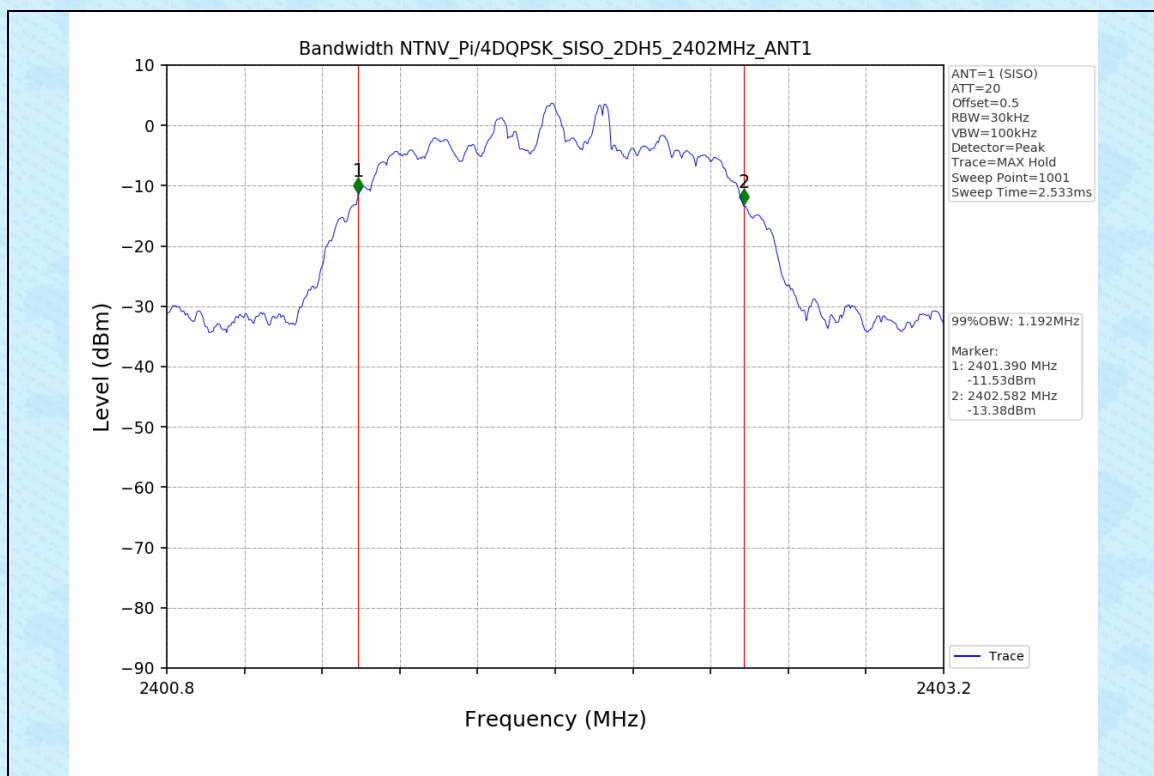
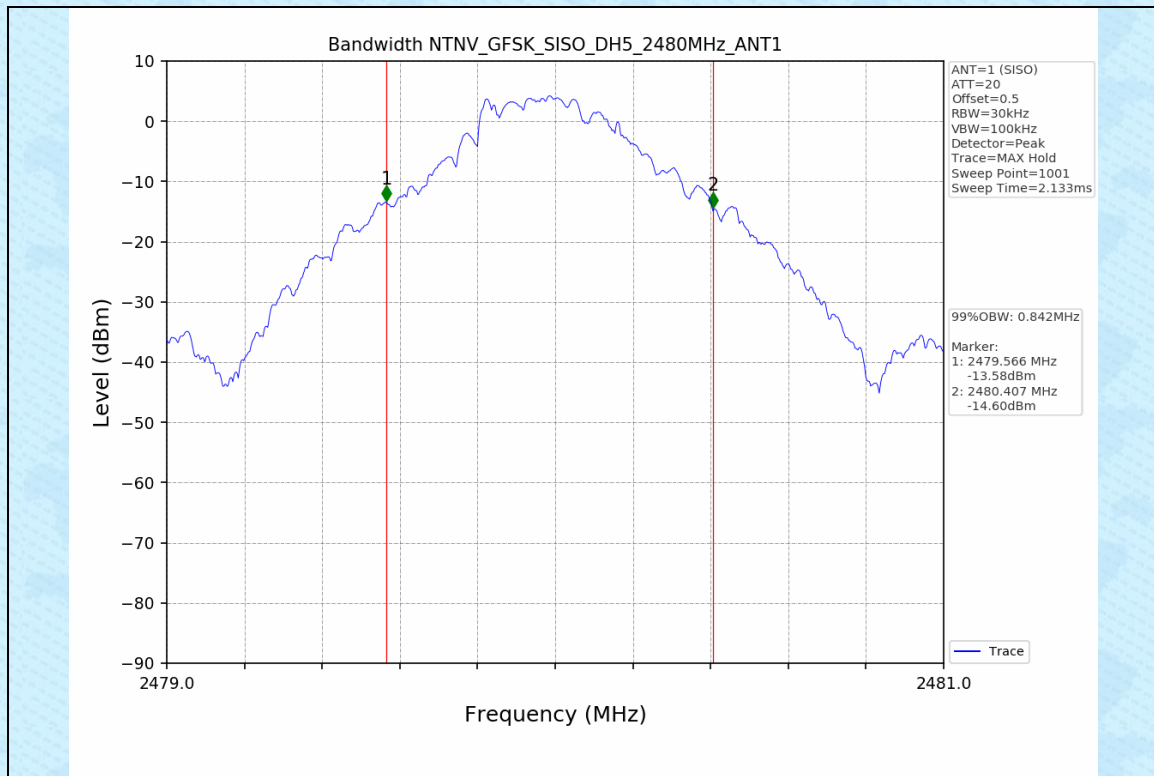


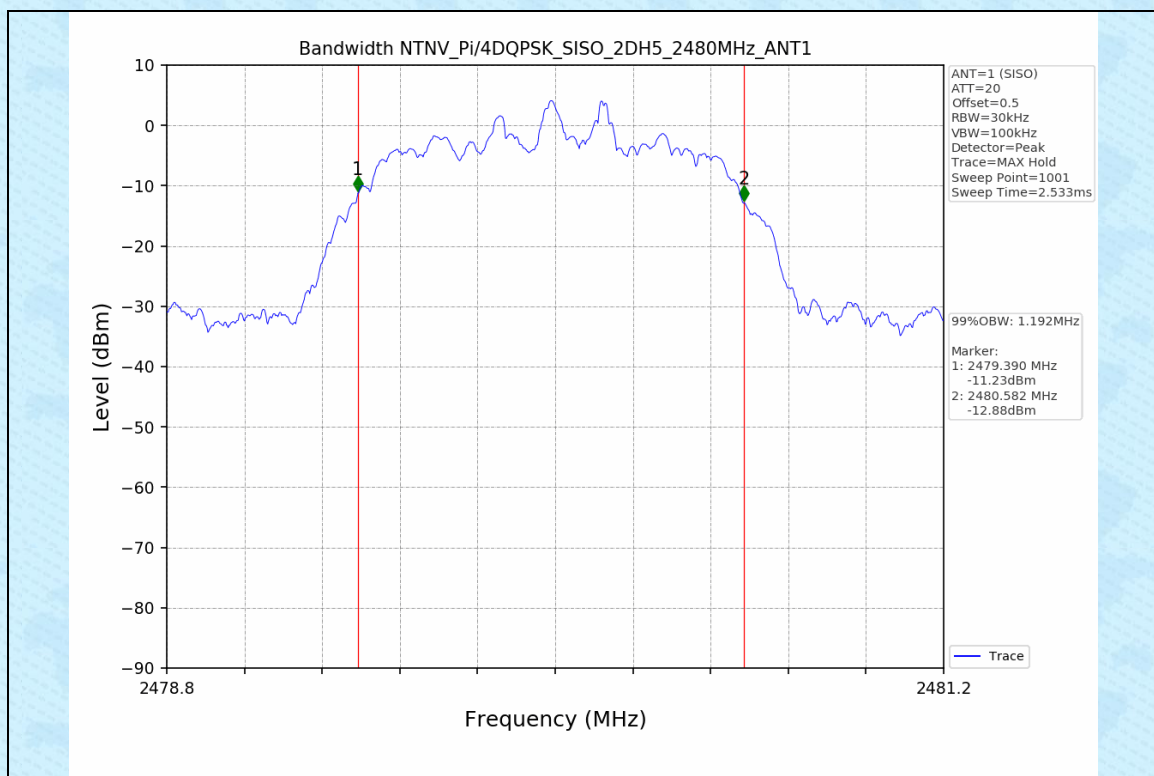
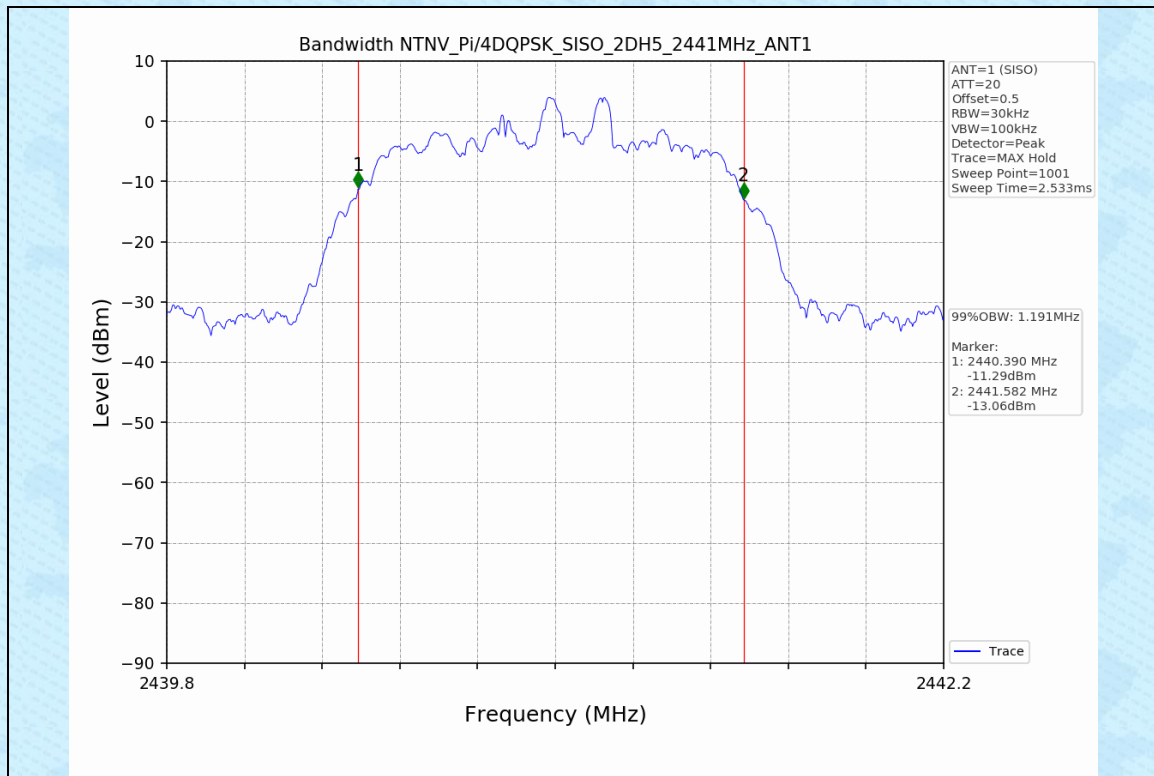




1.3 Test Graph - 99% Occupied Bandwidth





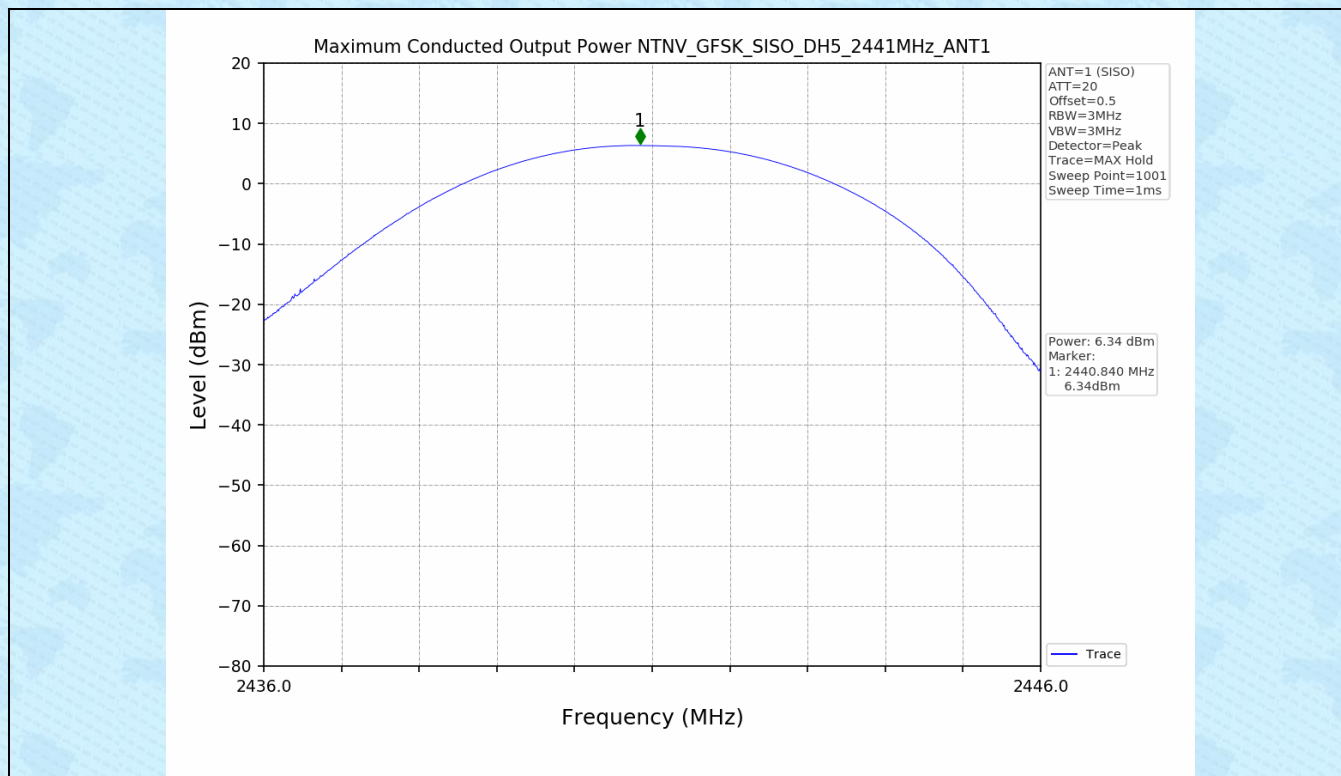
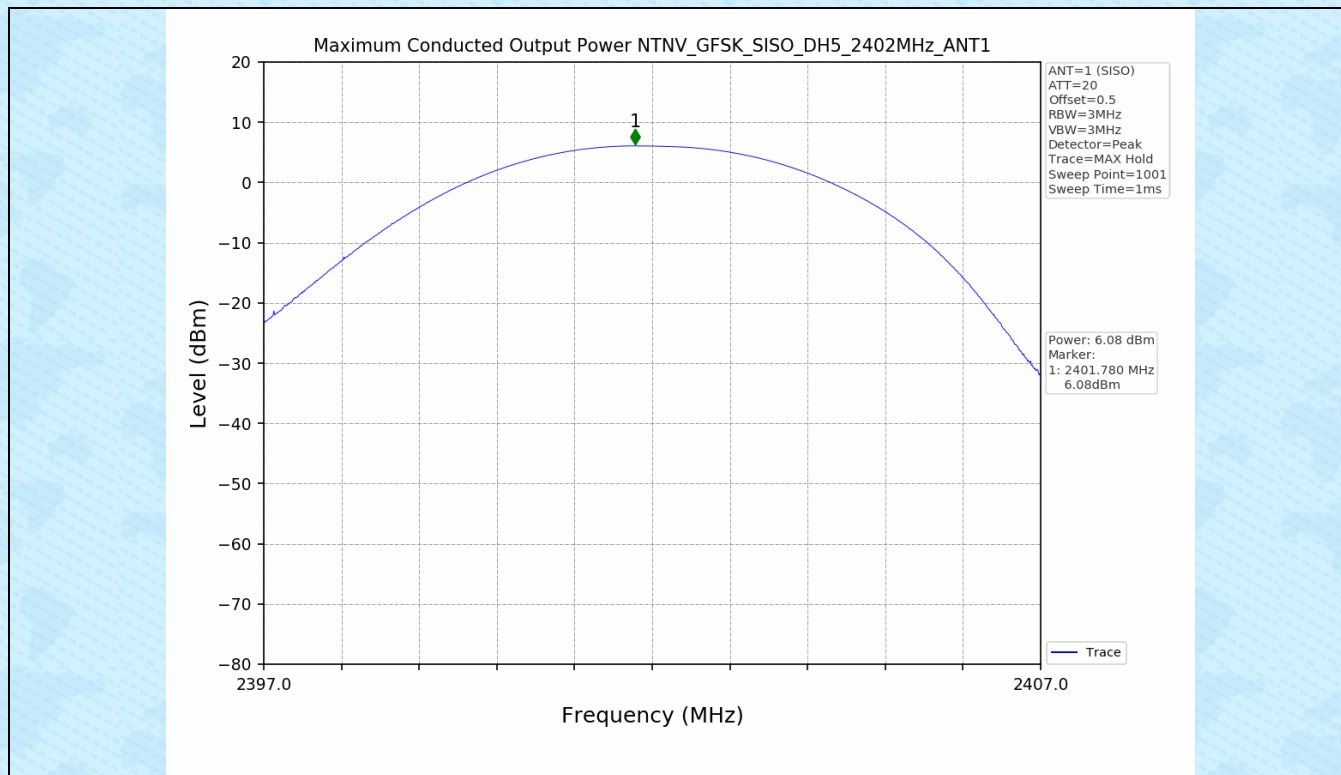


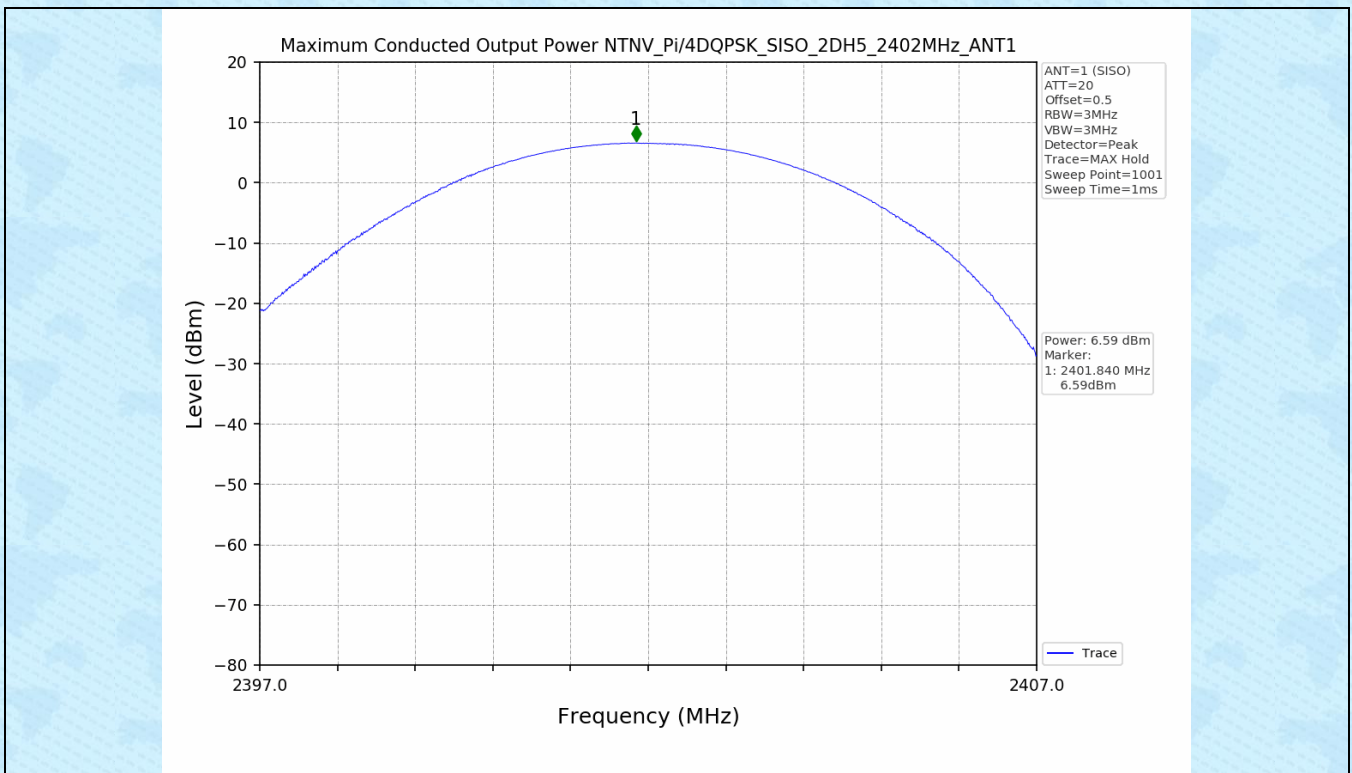
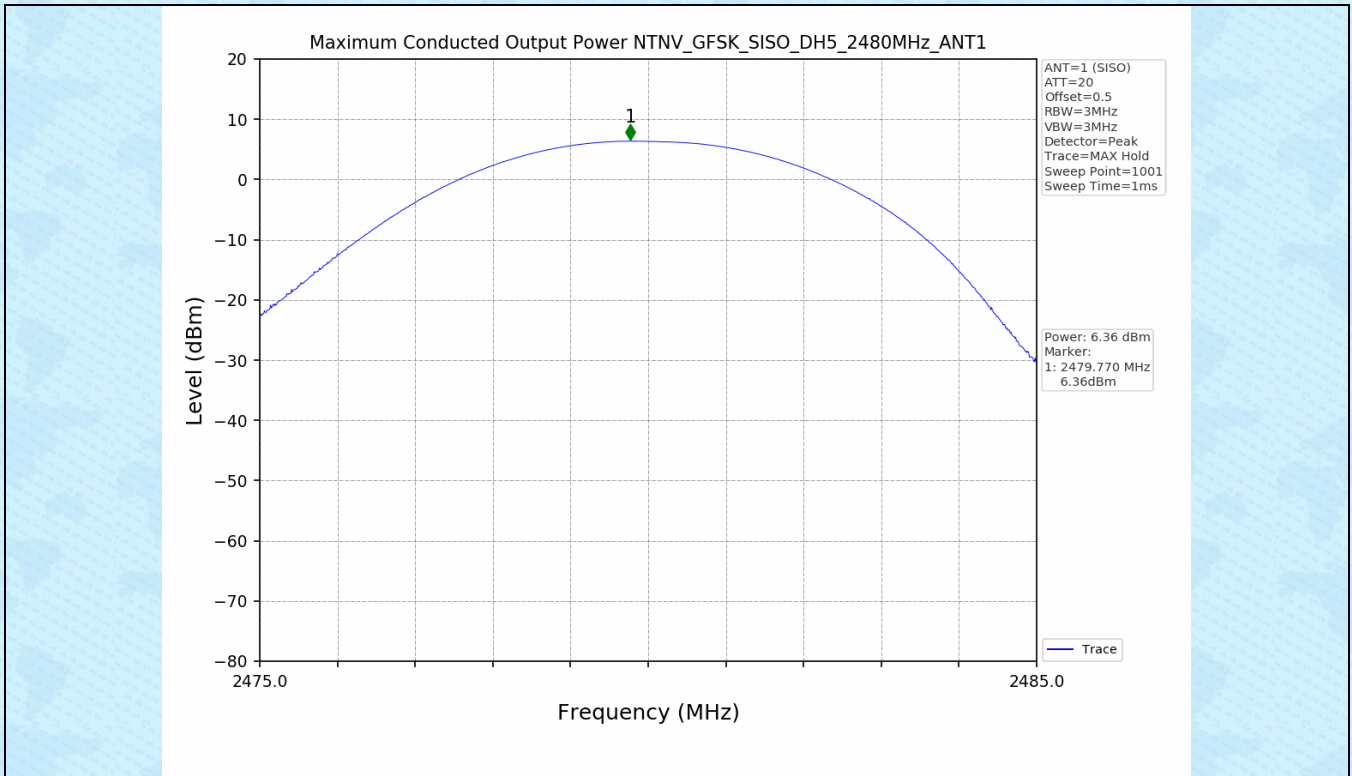
2. Maximum Conducted Output Power

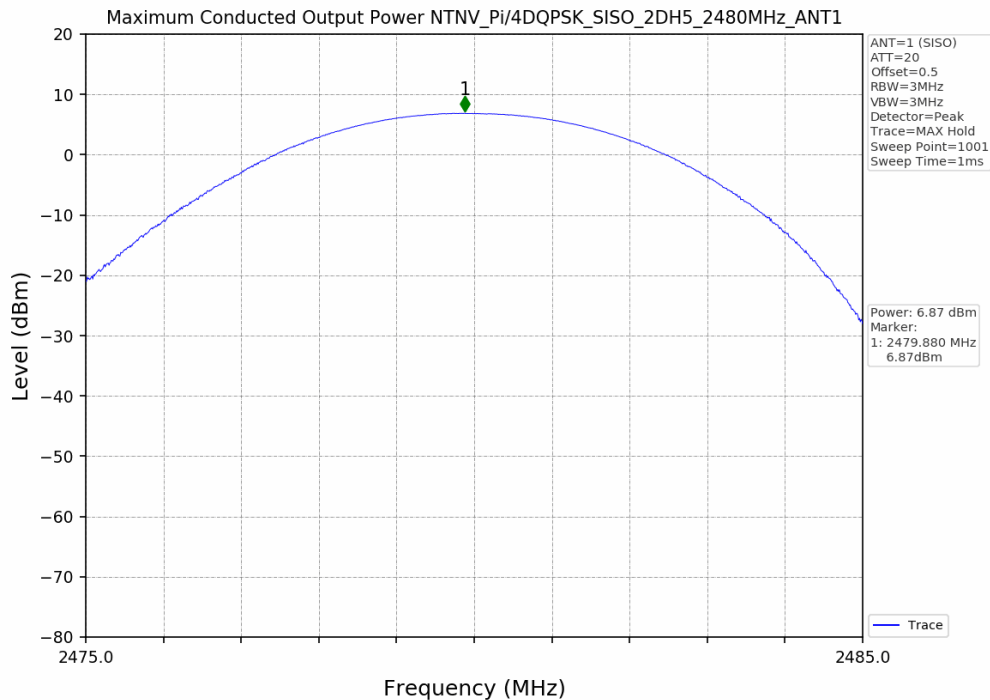
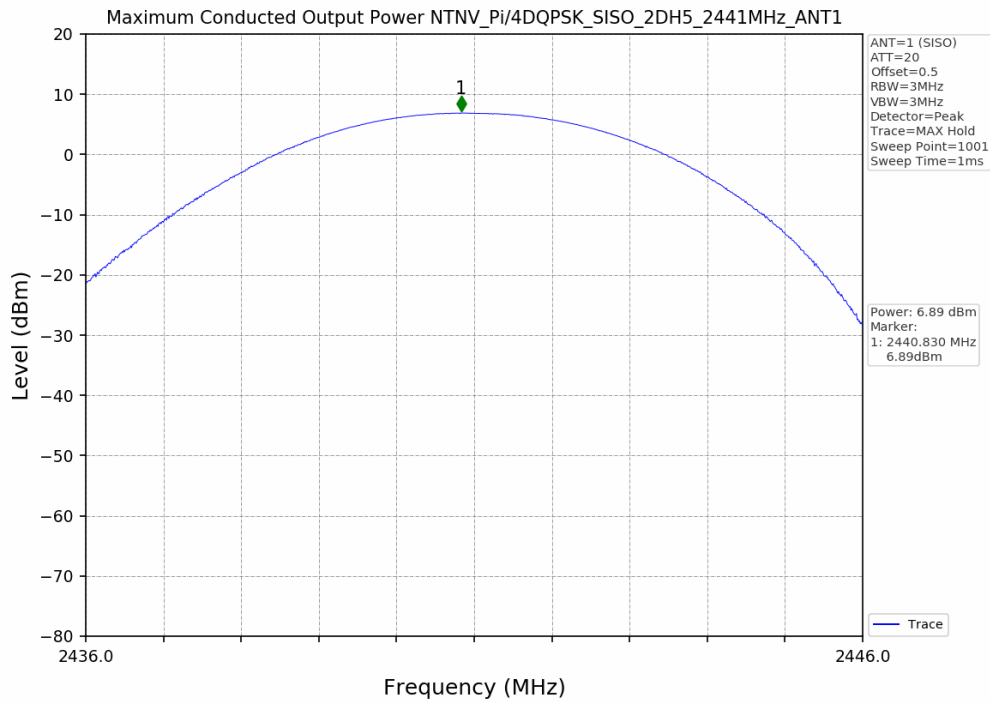
2.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	6.08	30	PASS
	2441	SISO	6.34	30	PASS
	2480	SISO	6.36	30	PASS
$\pi/4$ -DQPSK	2402	SISO	6.59	20.97	PASS
	2441	SISO	6.89	20.97	PASS
	2480	SISO	6.87	20.97	PASS

2.2 Test Graph





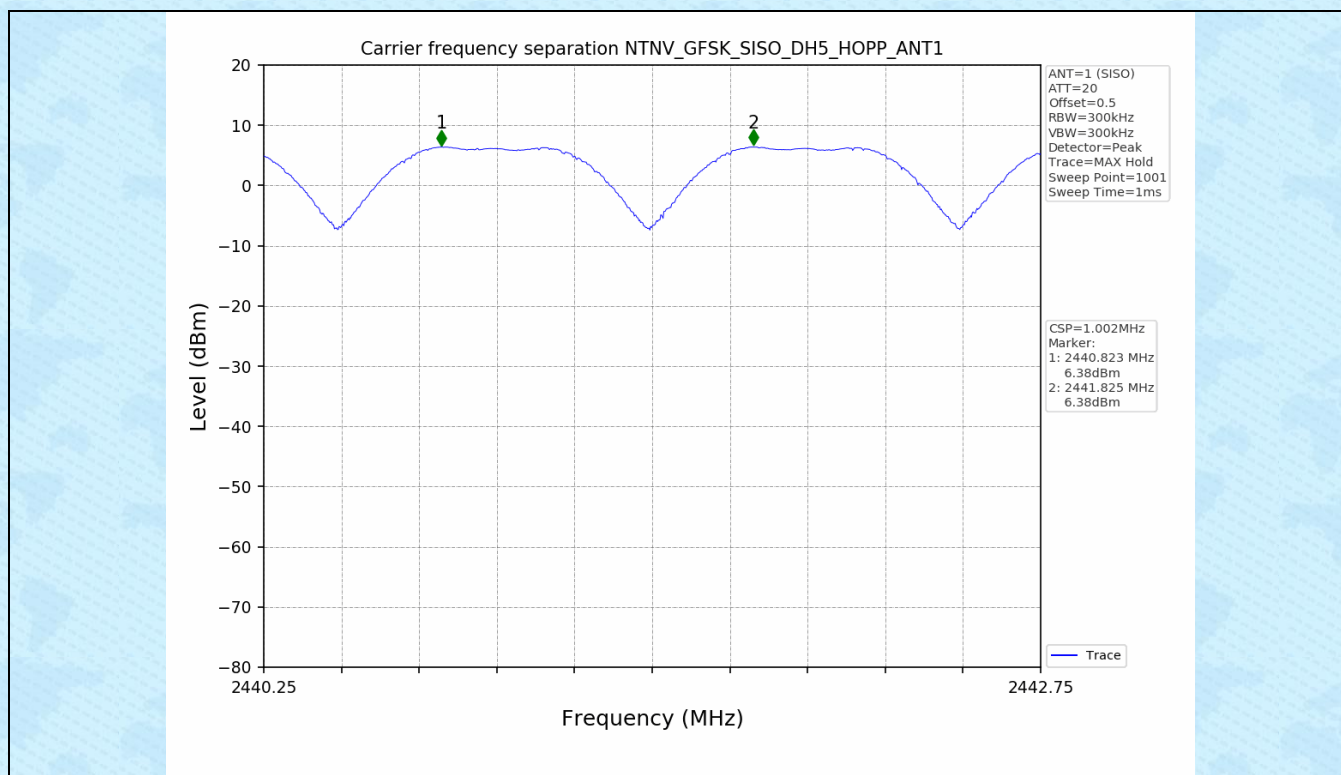


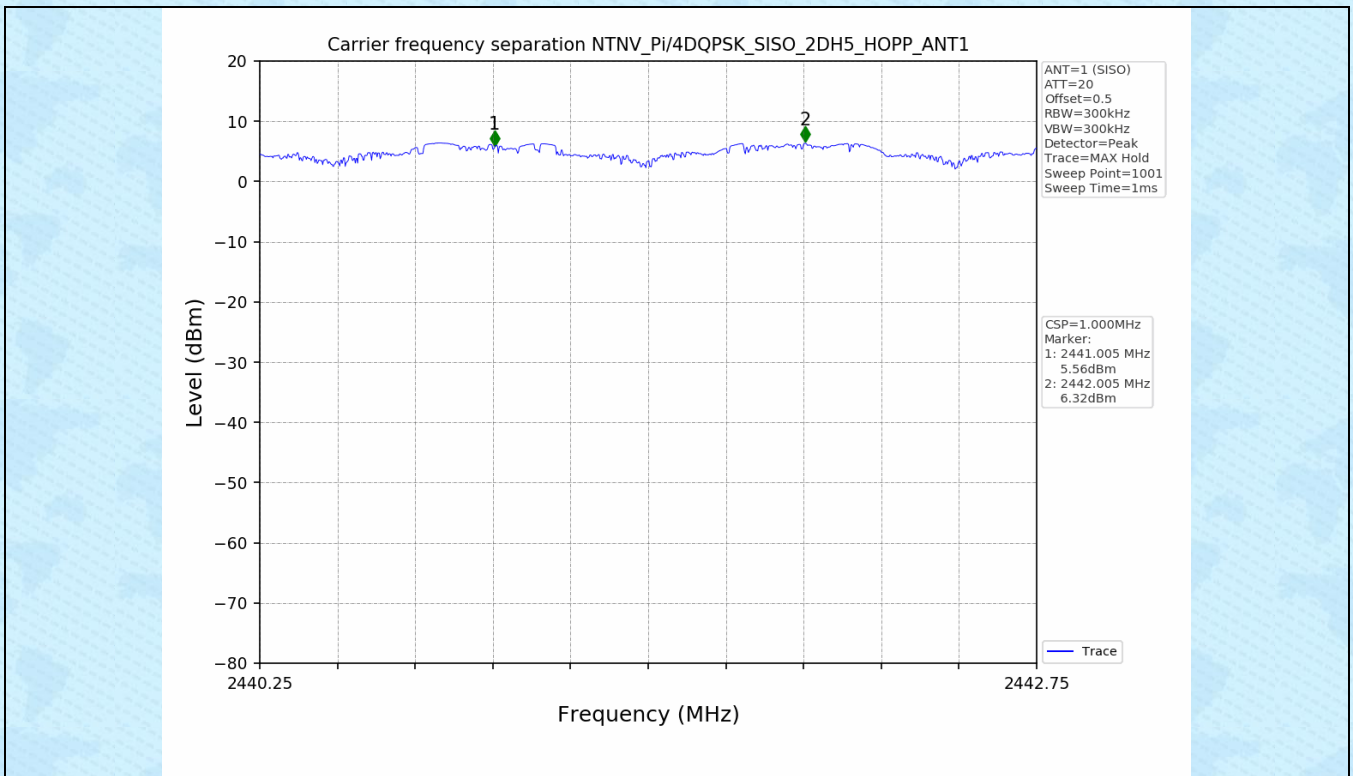
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.002	0.951	≥ 0.951	PASS
$\pi/4$ -DQPSK	SISO	1	1.000	1.200	≥ 0.800	PASS

3.2 Test Graph



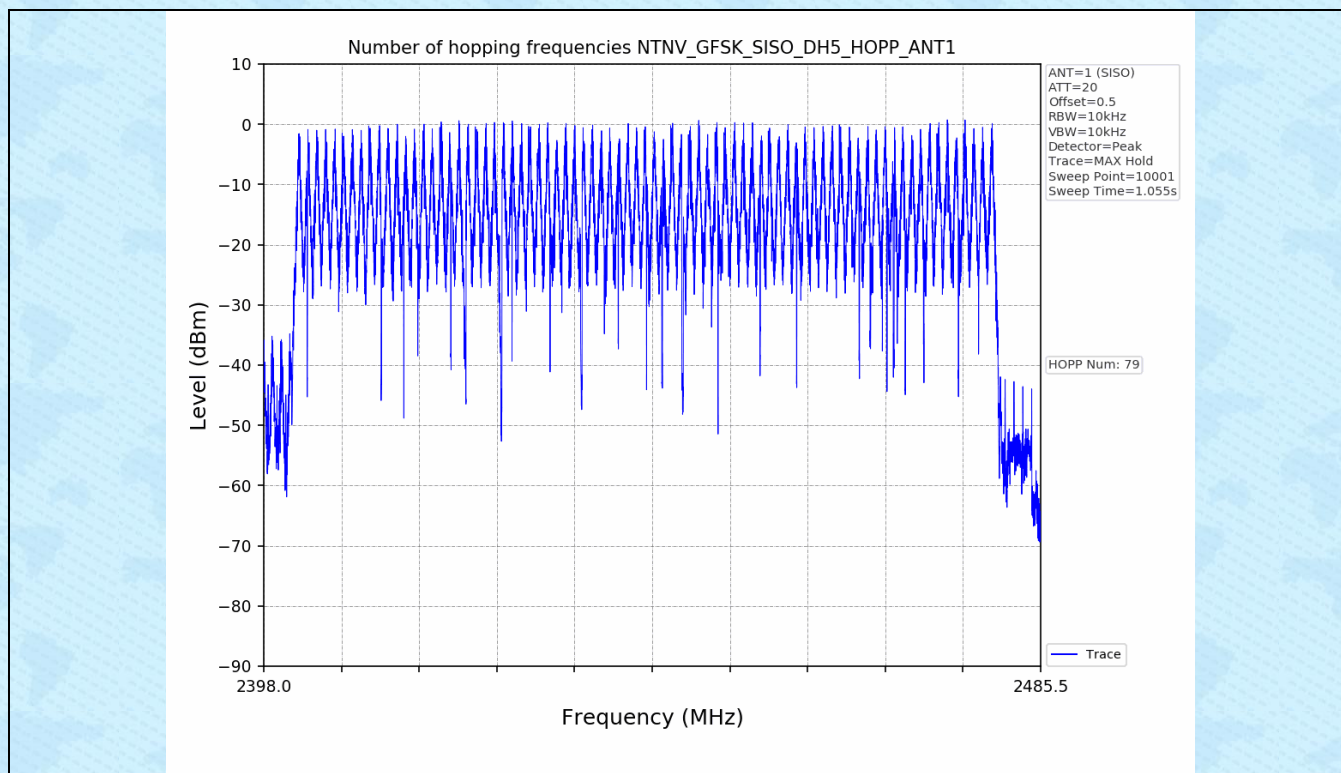


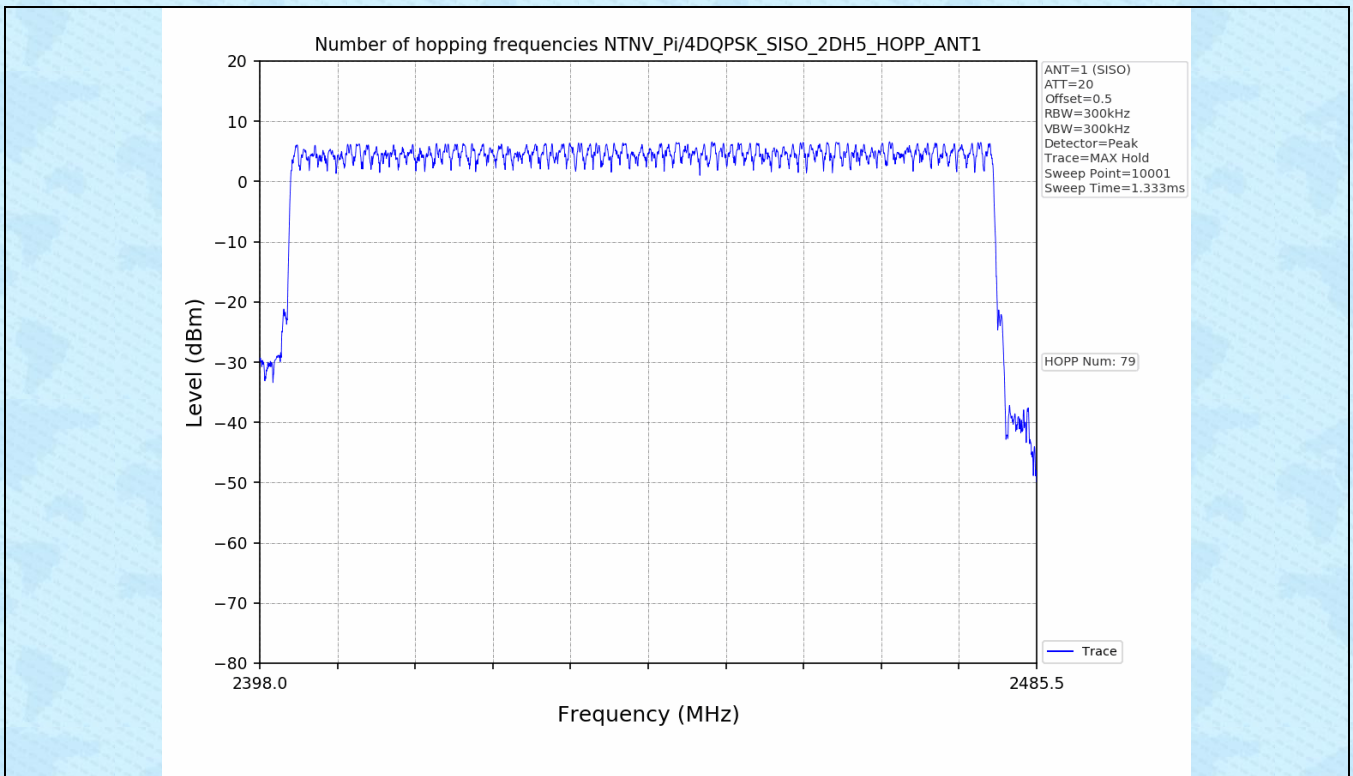
4. Number of hopping frequencies

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

4.2 Test Graph



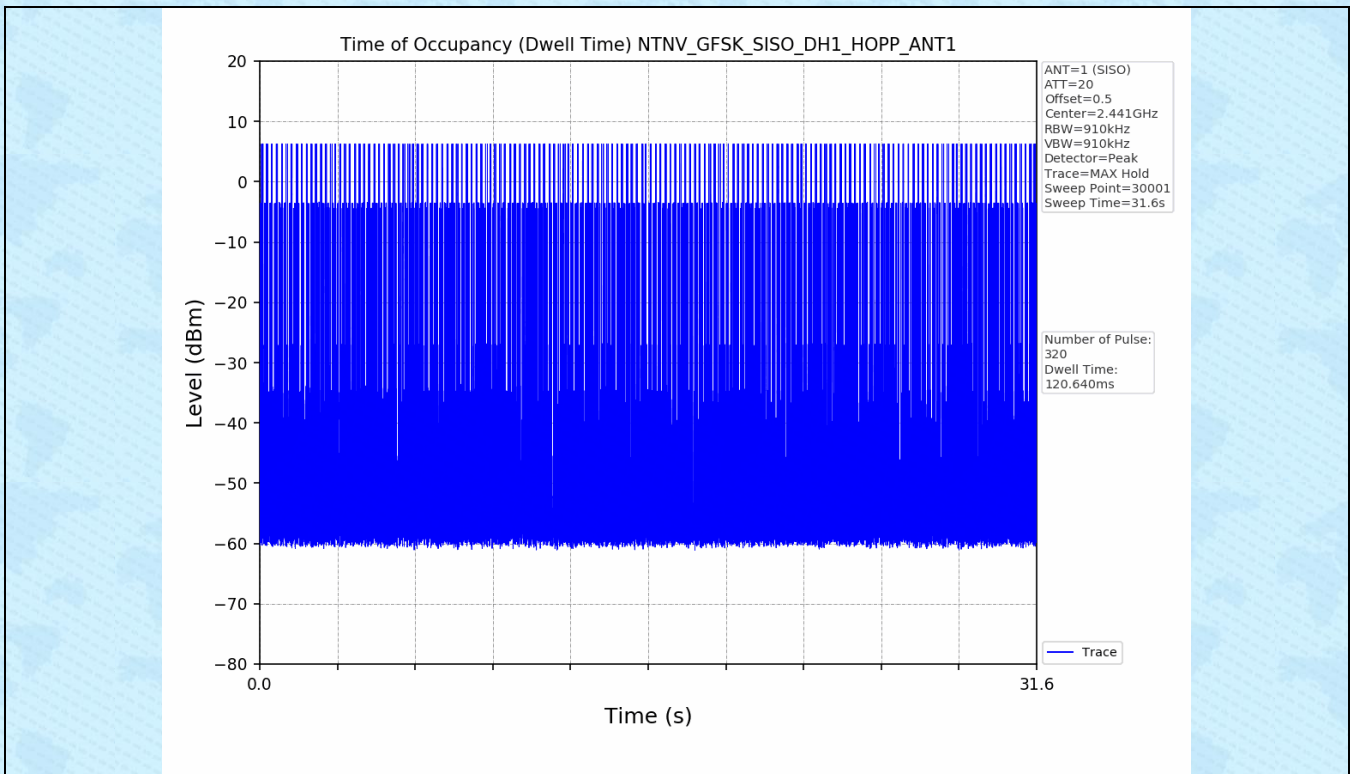
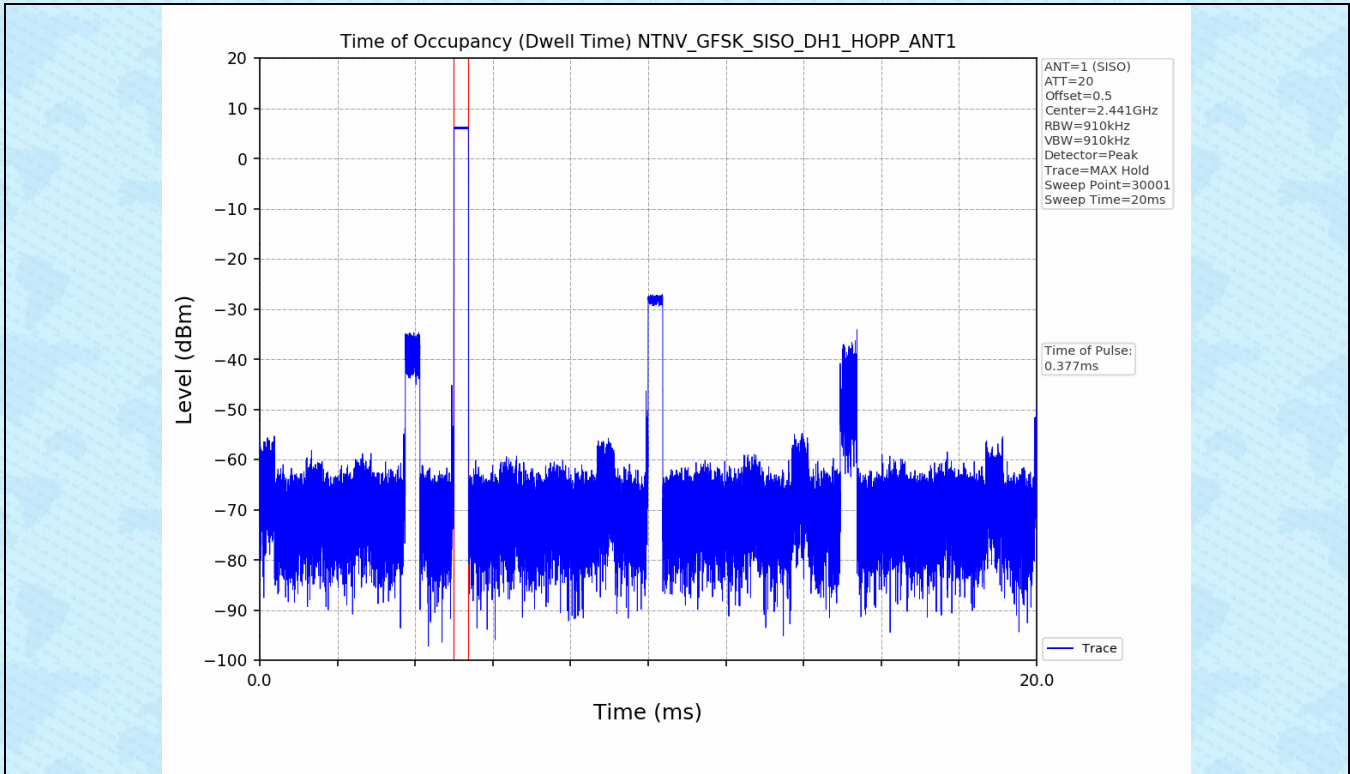


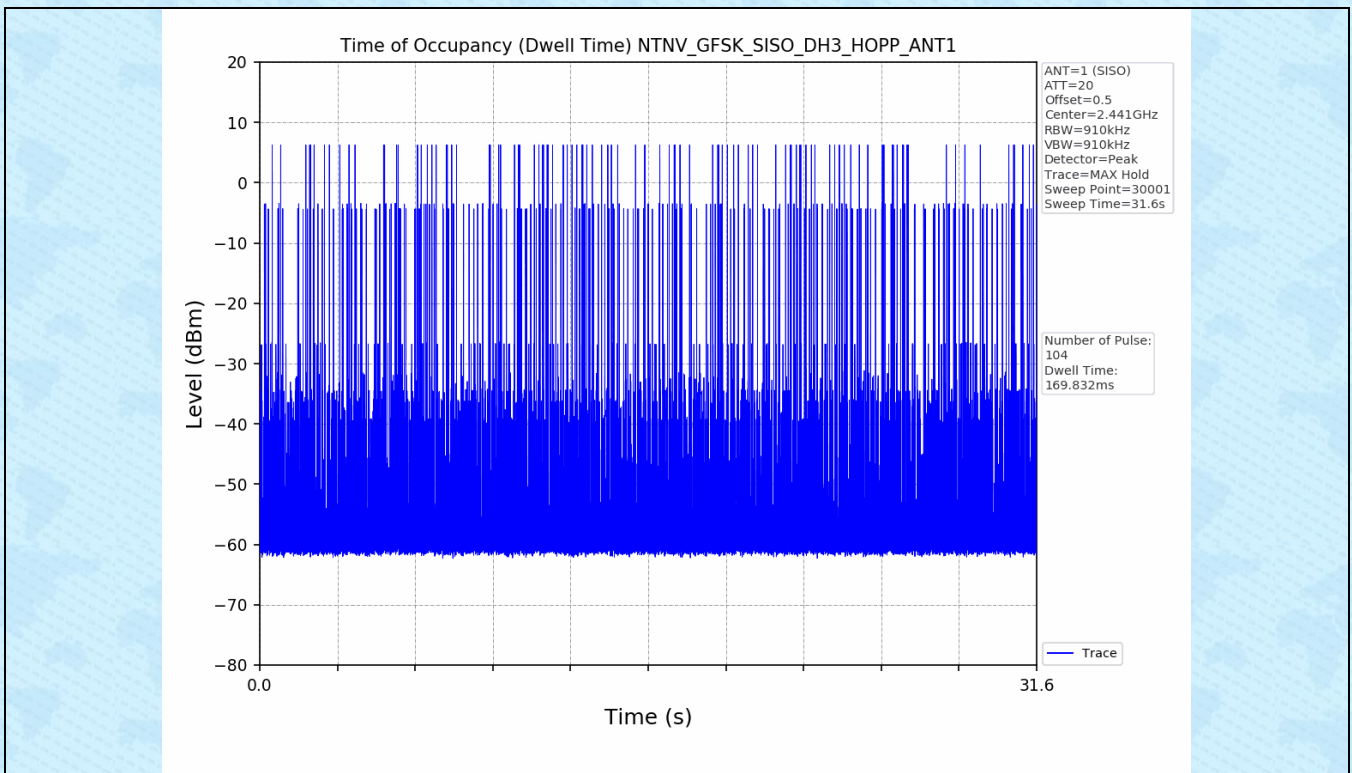
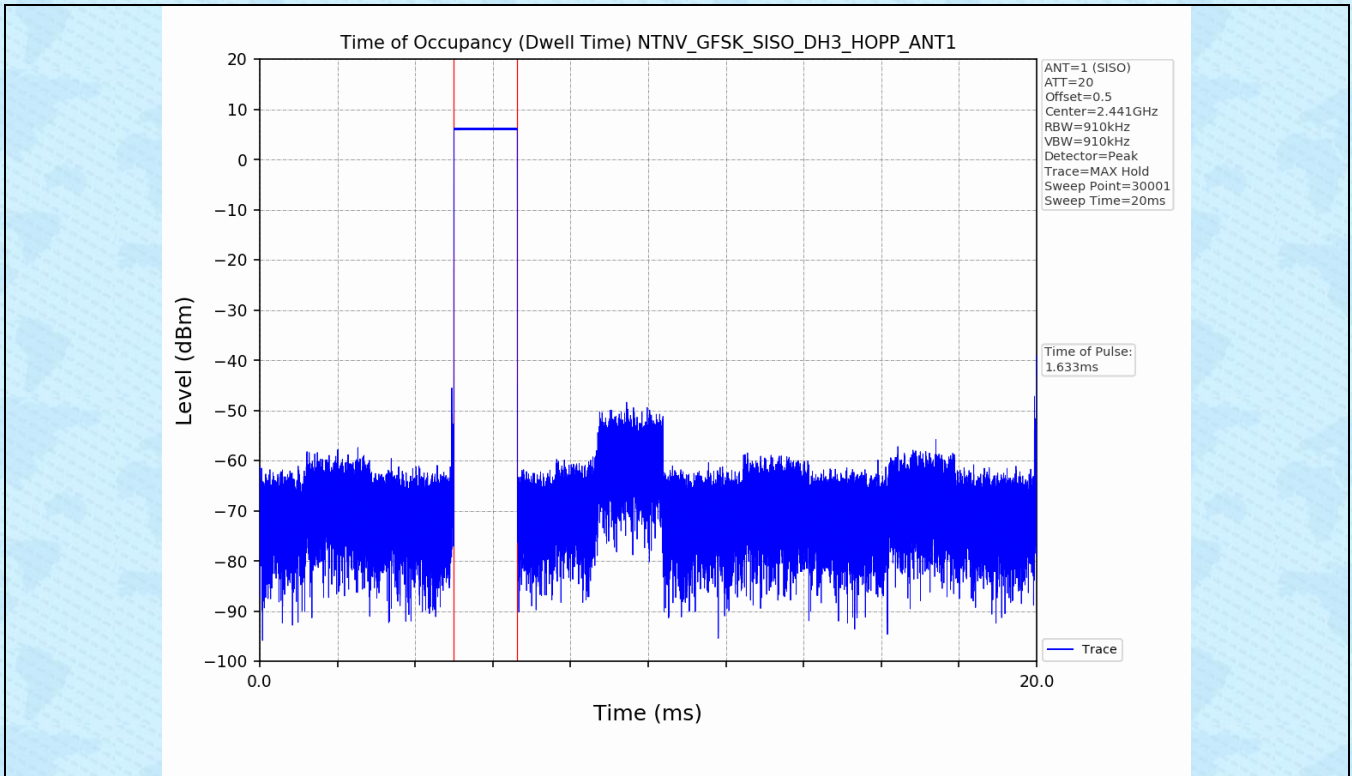
5. Time of Occupancy (Dwell Time)

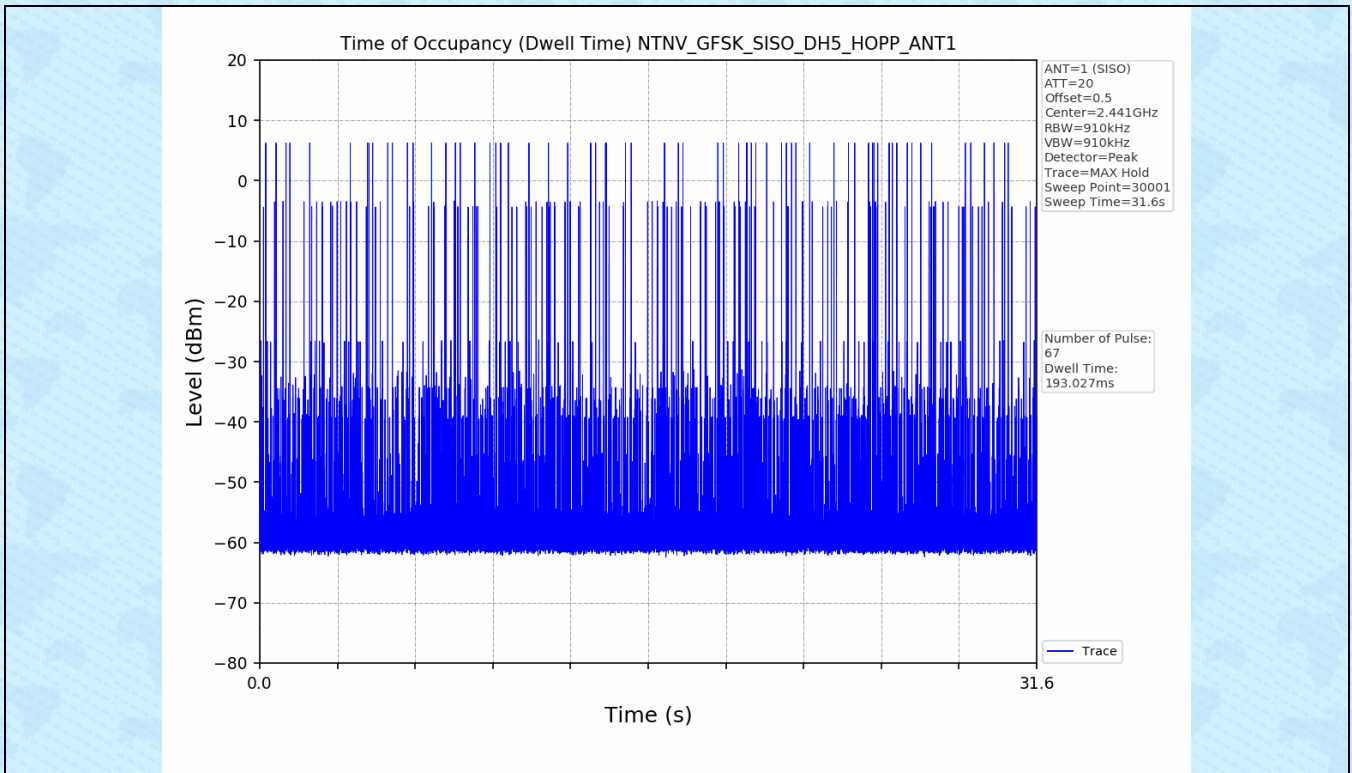
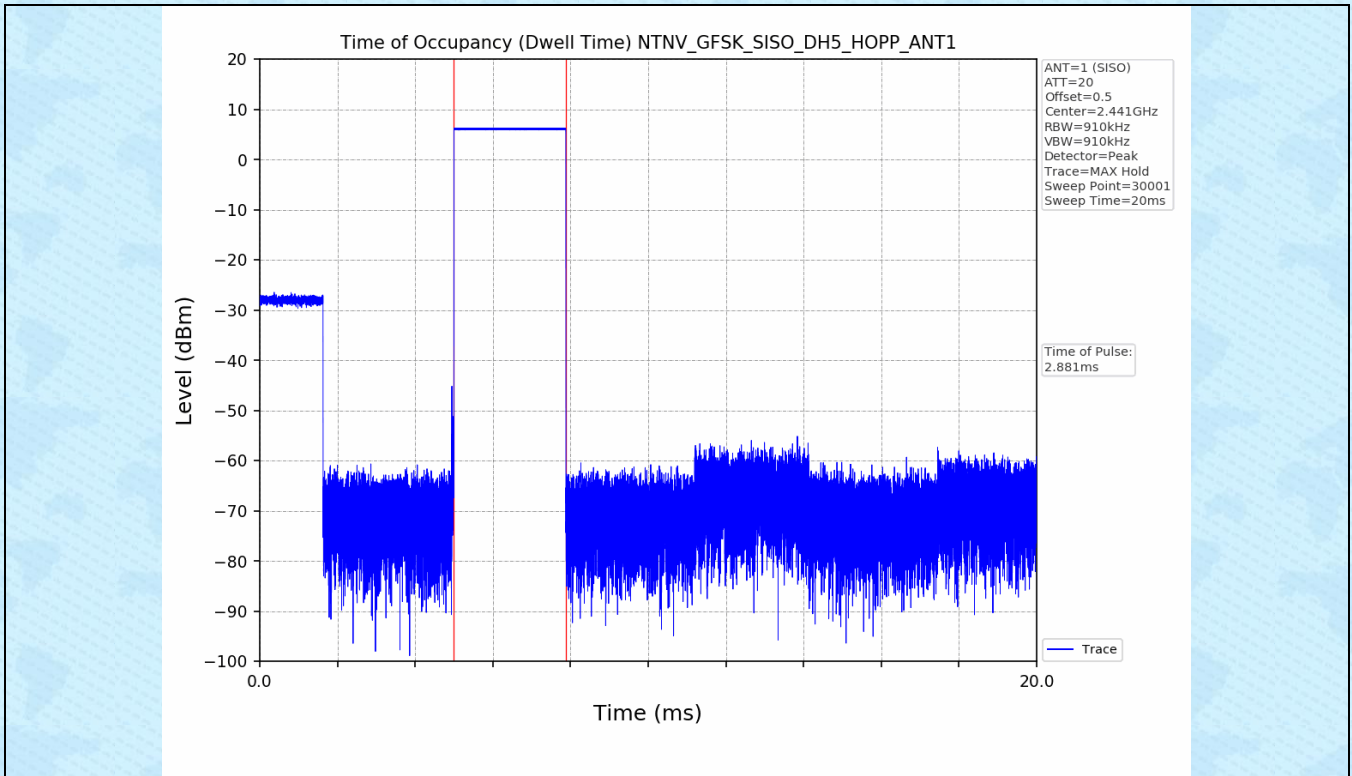
5.1 Test Result

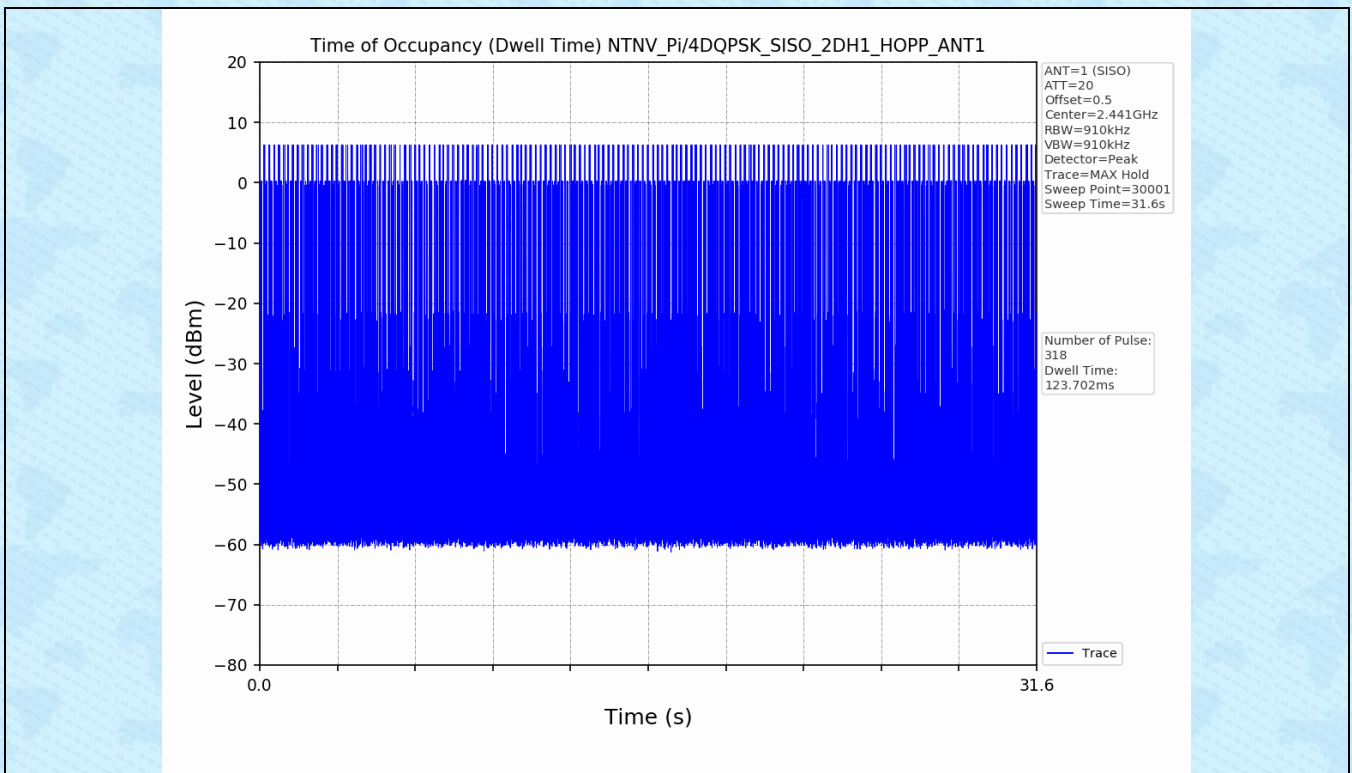
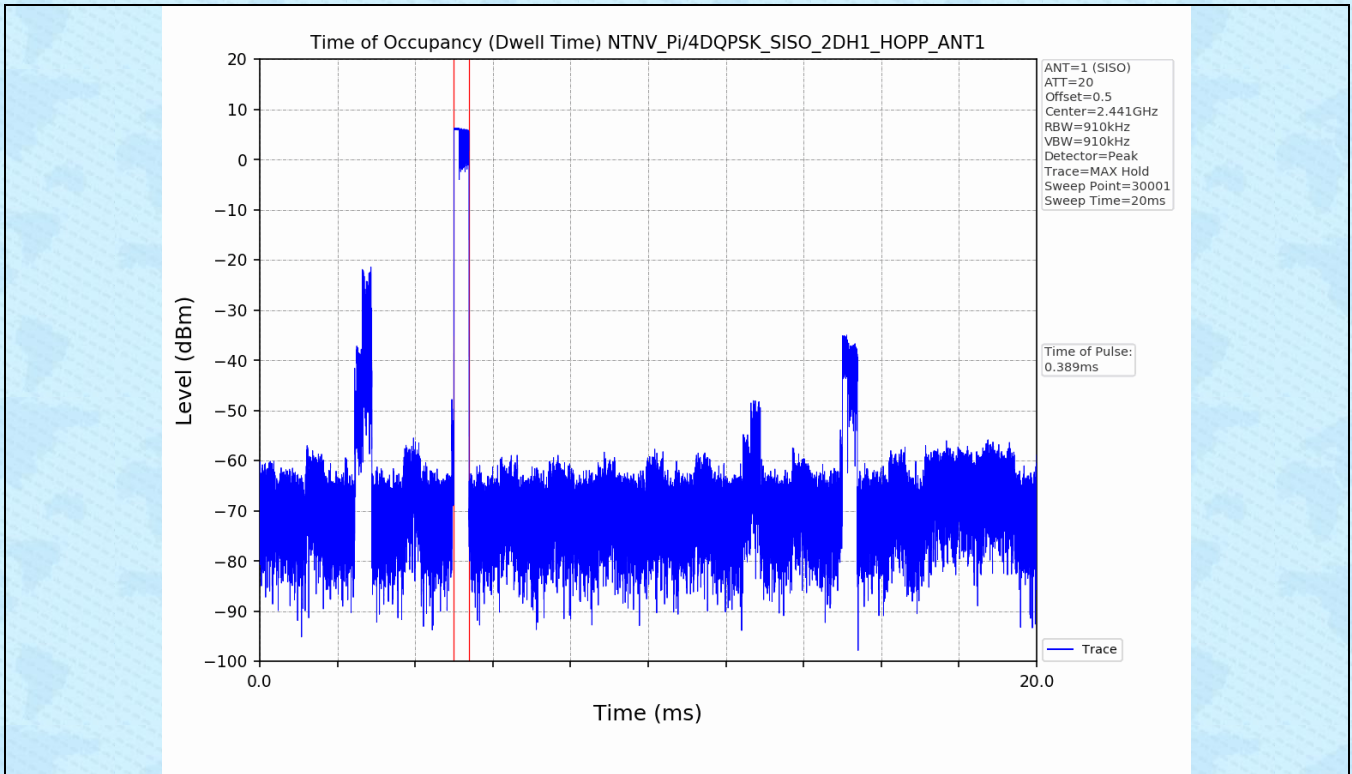
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Obeservation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.377	31.6	320	120.640	≤400	PASS
	DH3	SISO	1	1.633	31.6	104	169.832	≤400	PASS
	DH5	SISO	1	2.881	31.6	67	193.027	≤400	PASS
π/4-DQPSK	2DH1	SISO	1	0.389	31.6	318	123.702	≤400	PASS
	2DH3	SISO	1	1.639	31.6	111	181.929	≤400	PASS
	2DH5	SISO	1	2.889	31.6	66	190.674	≤400	PASS

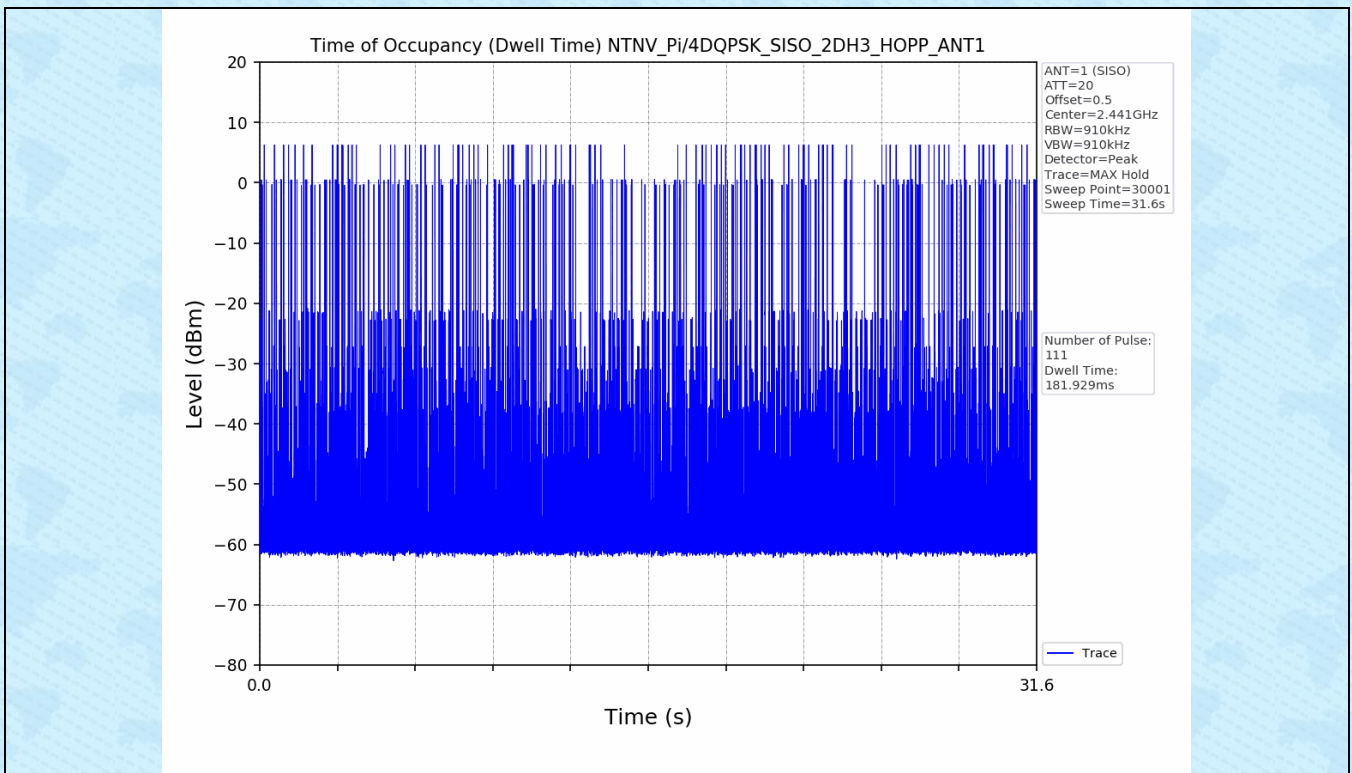
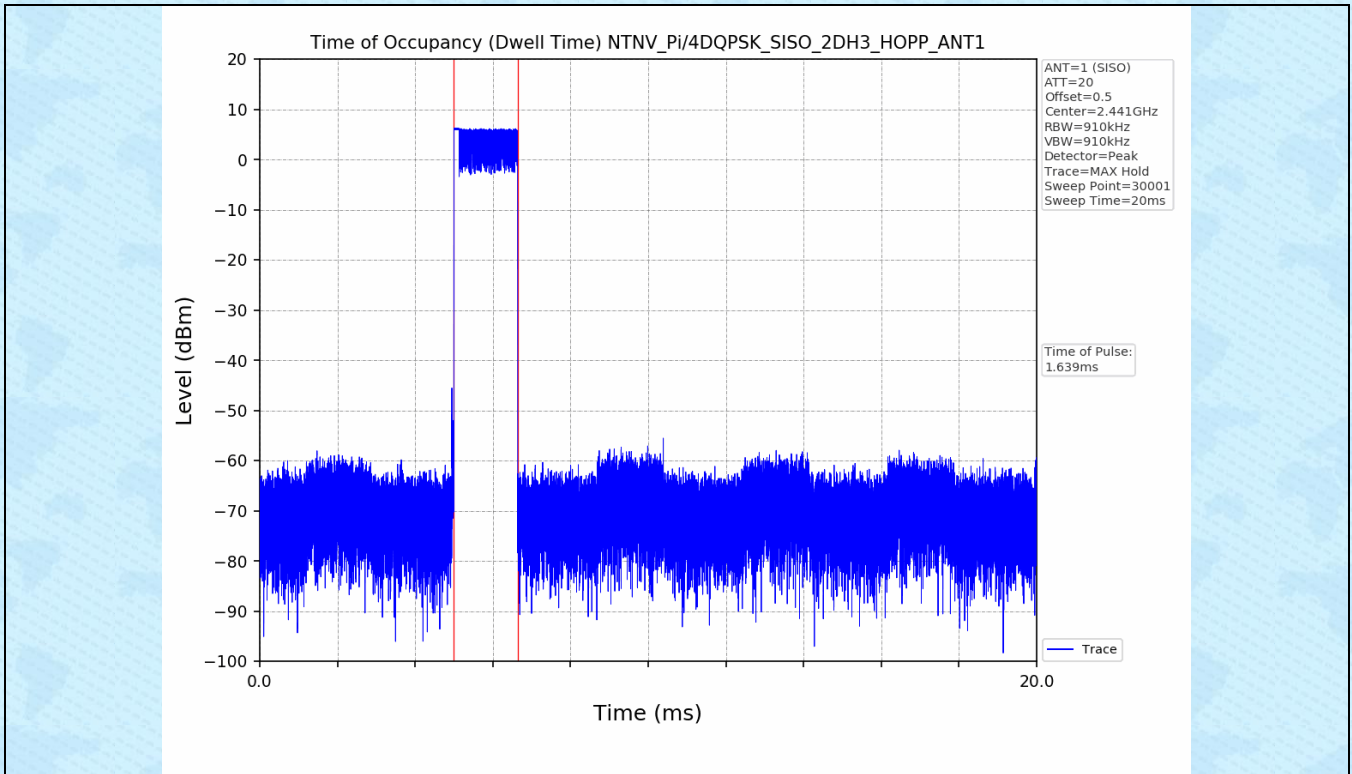
5.2 Test Graph

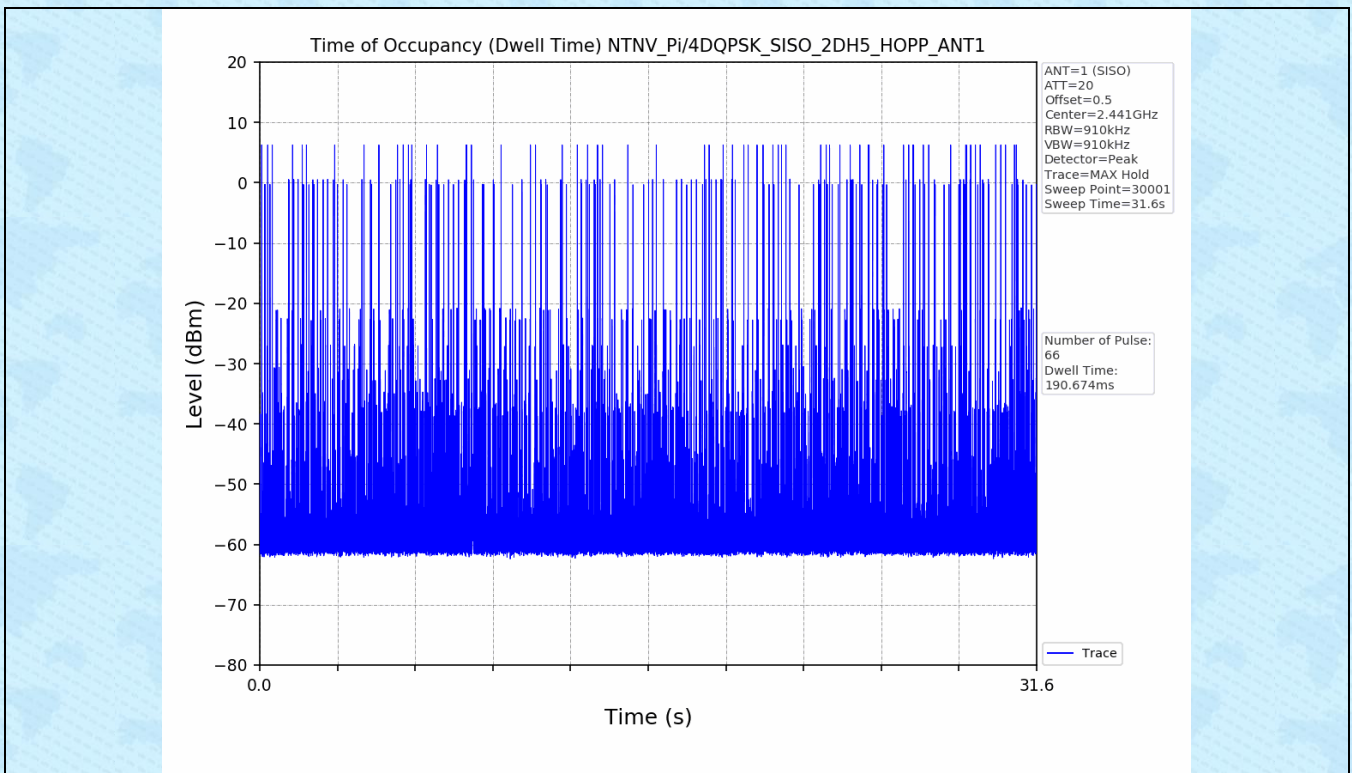
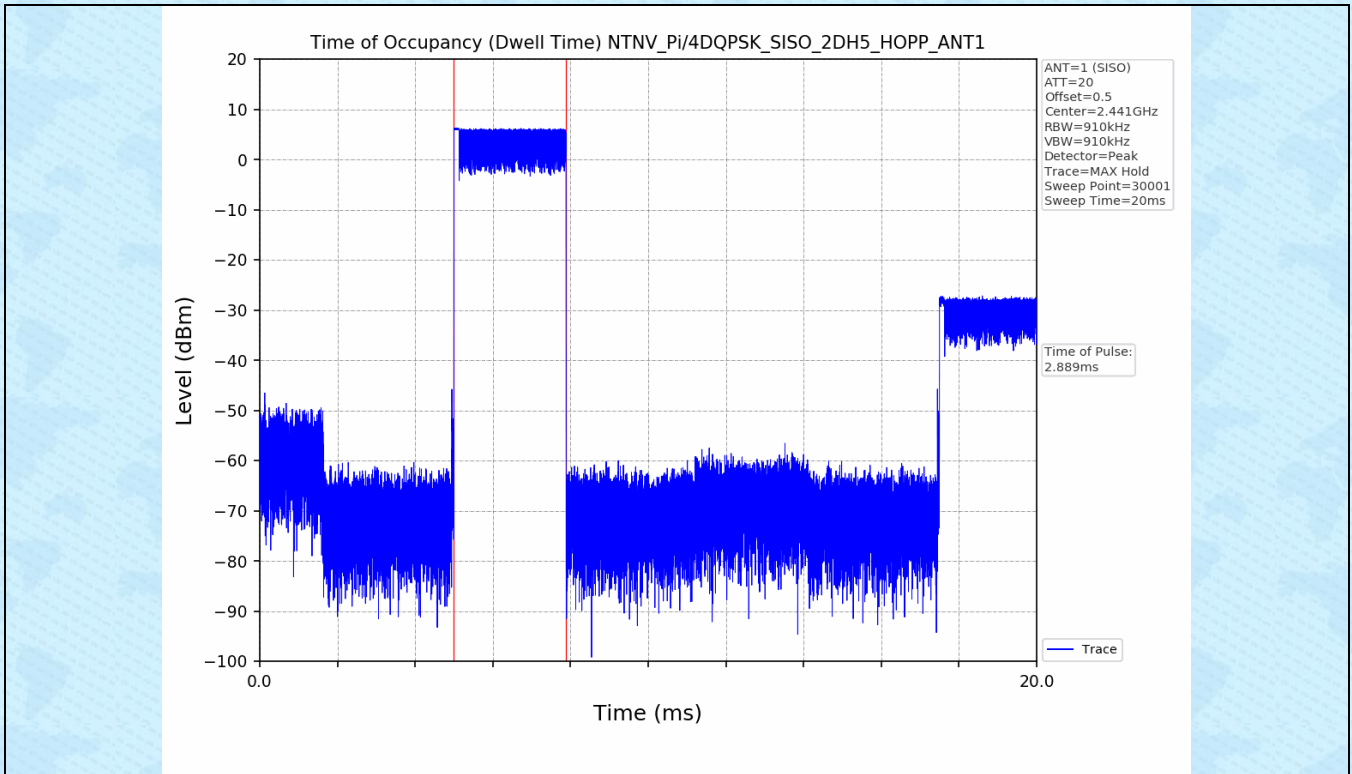










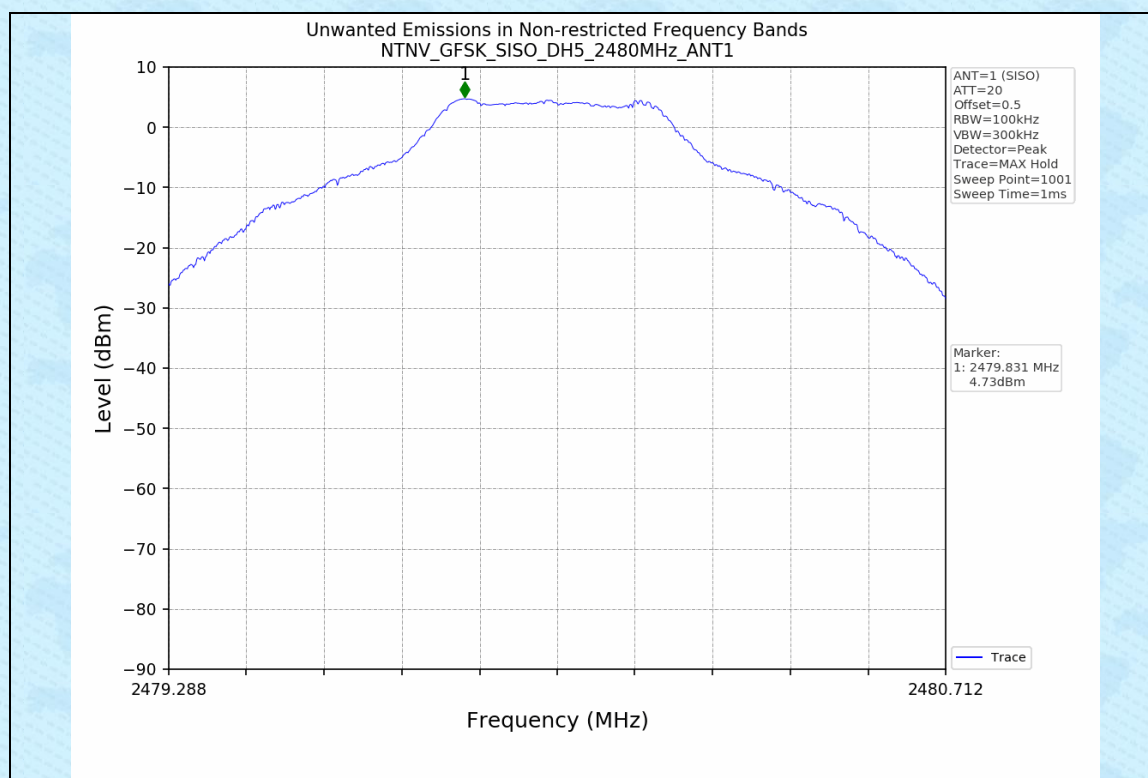


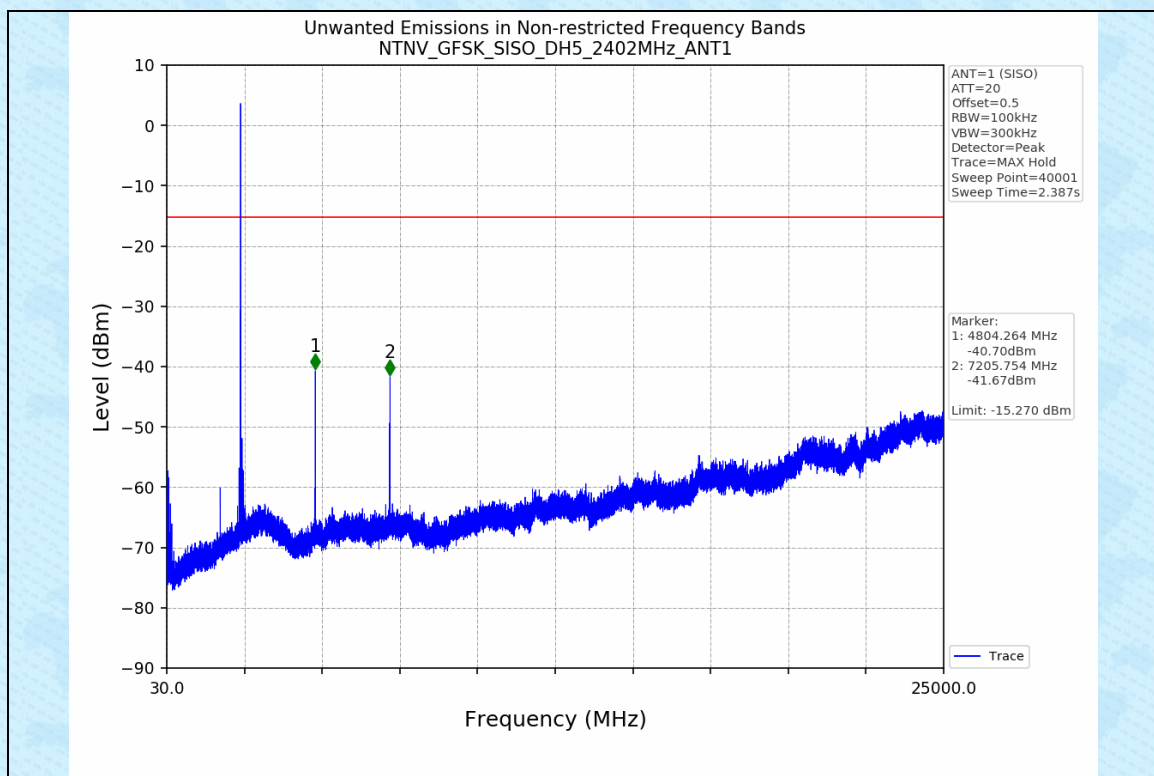
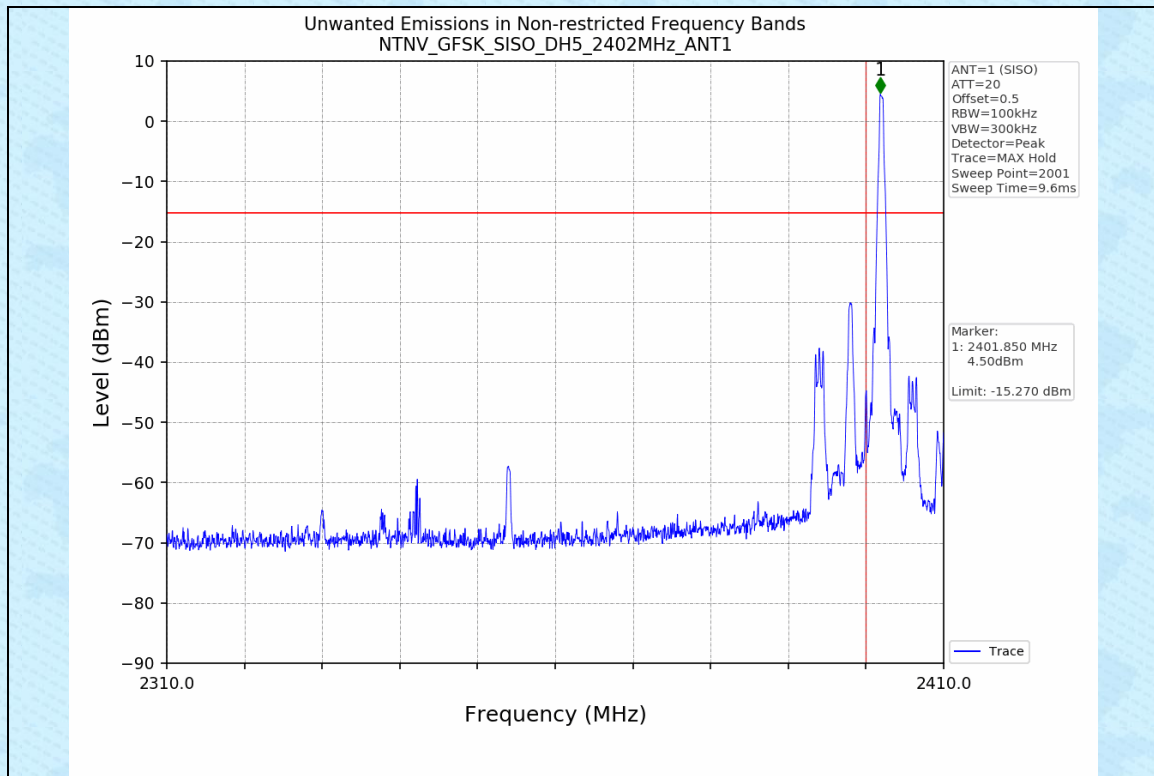
6. Unwanted Emissions in Non-restricted Frequency Bands

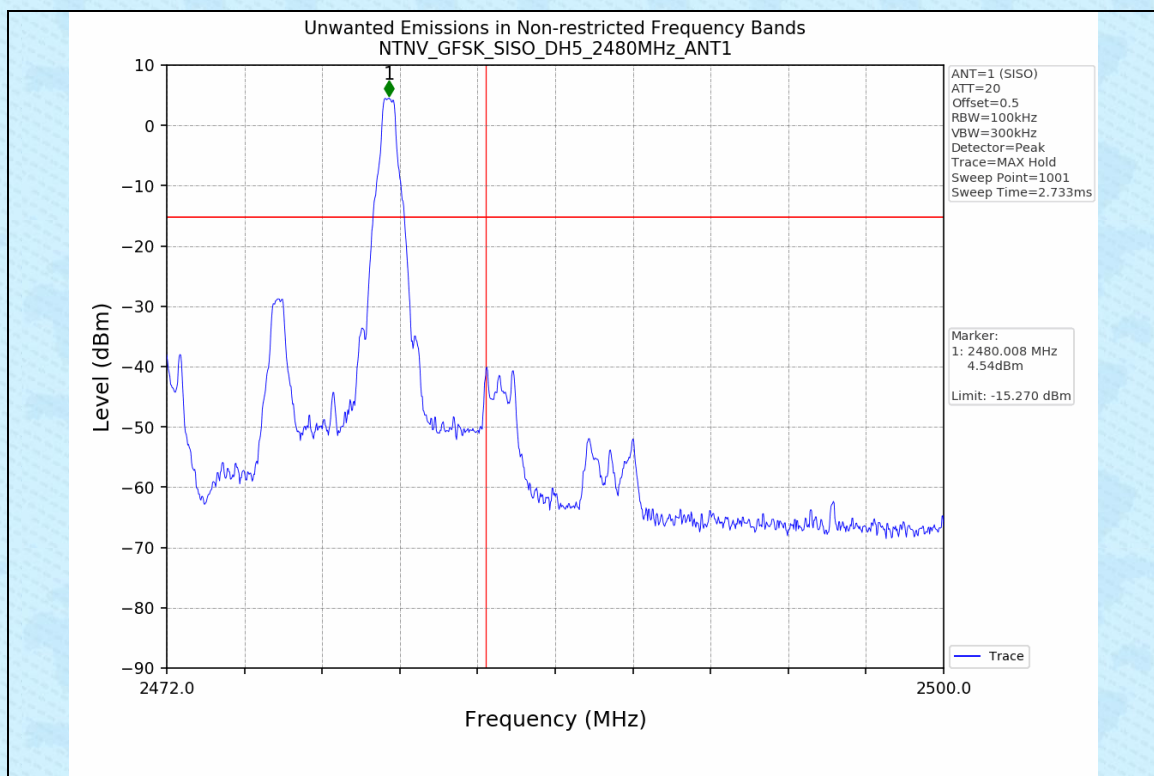
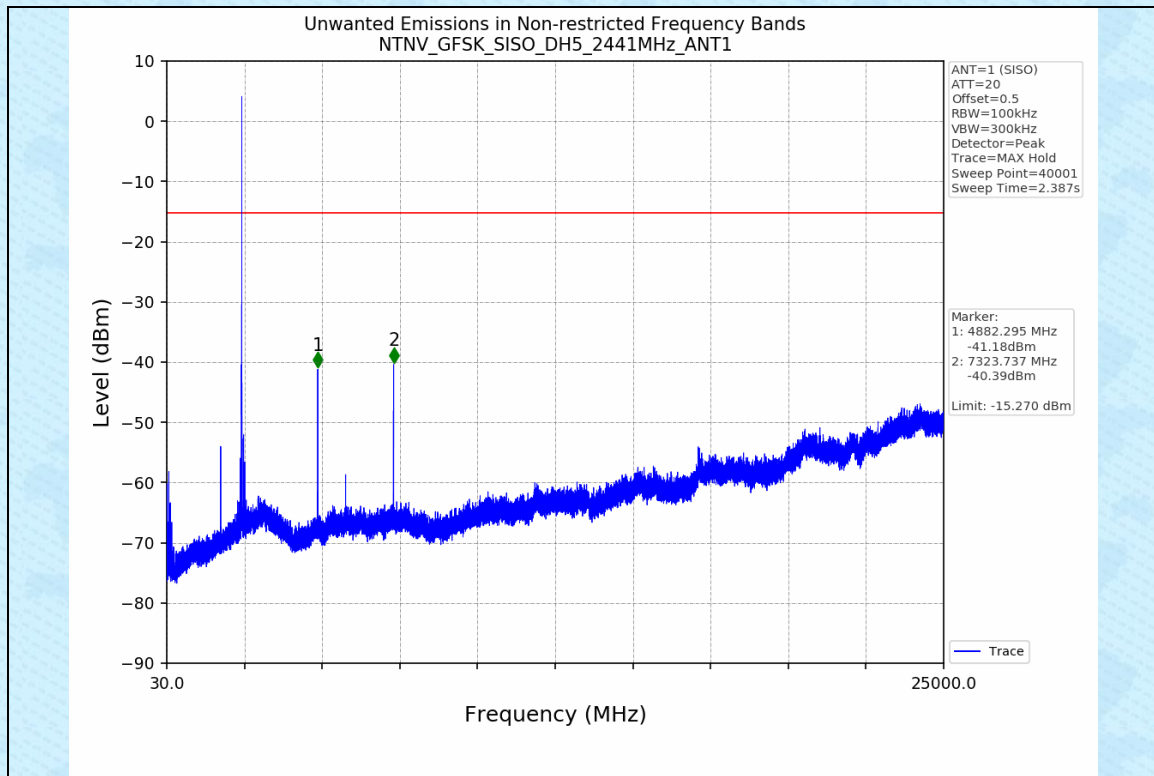
6.1 Test Result

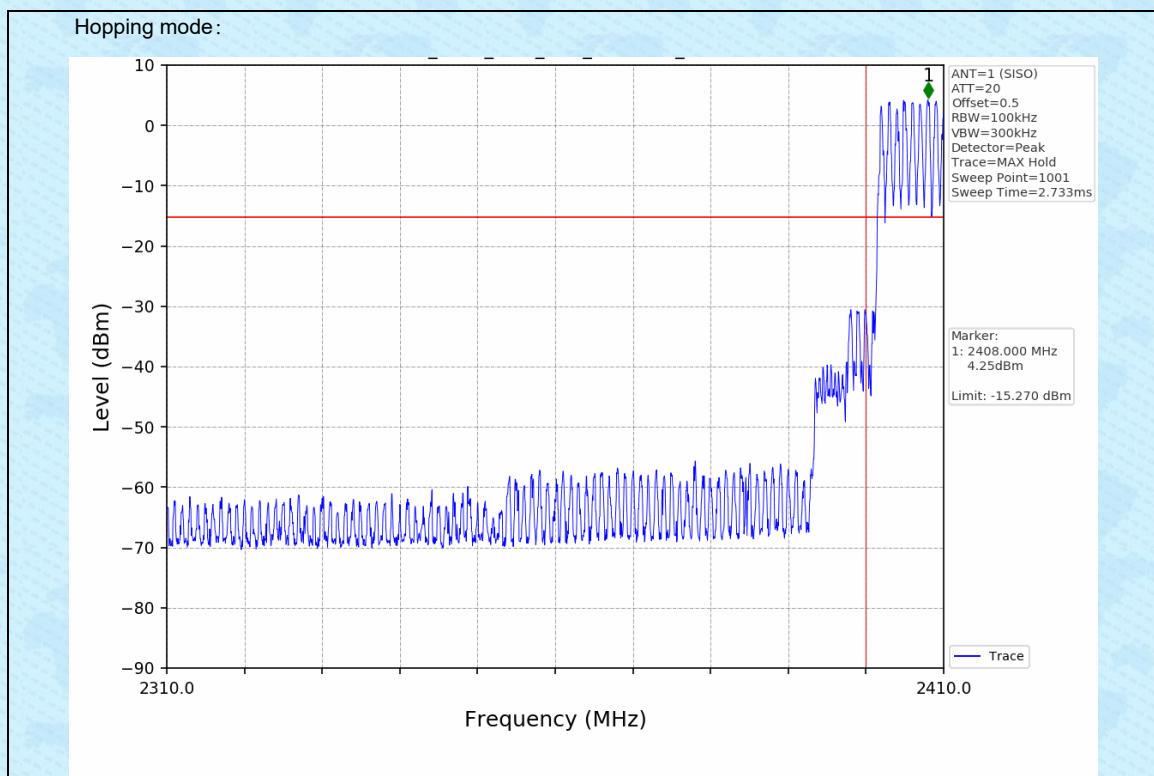
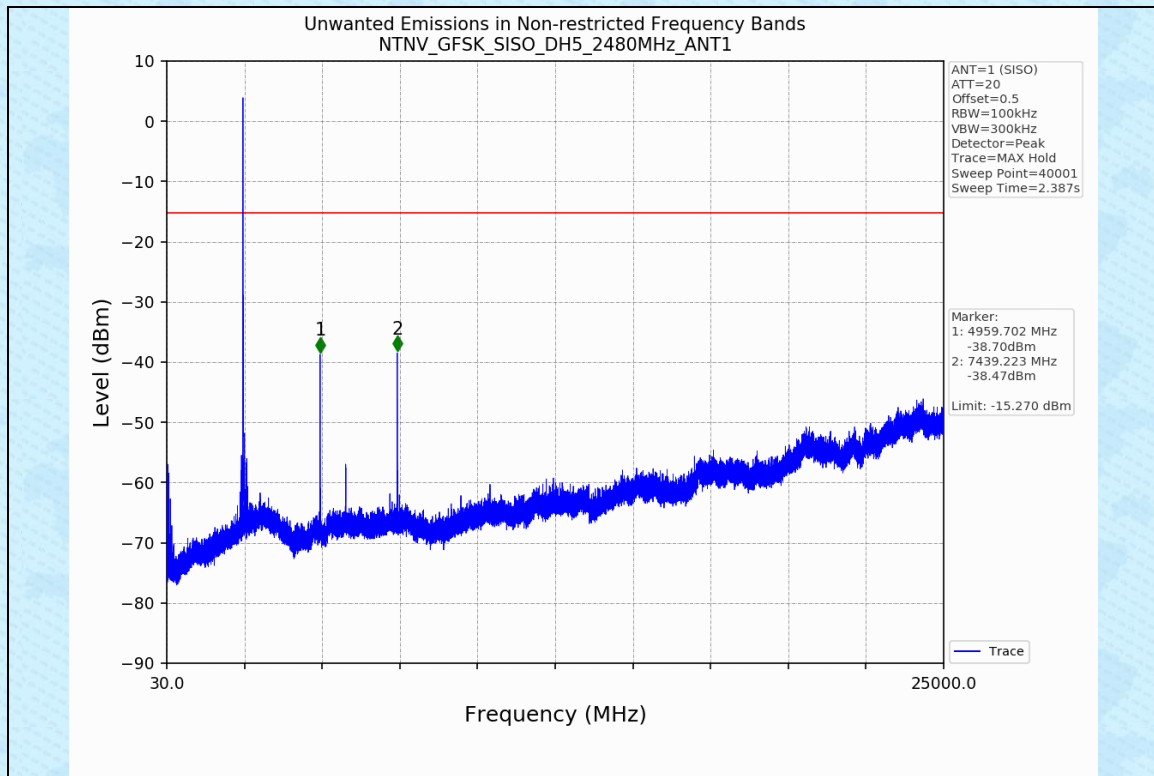
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-15.27	PASS
	2441	SISO	1	Refer to test graph	-15.27	PASS
	2480	SISO	1	Refer to test graph	-15.27	PASS
	Hopping	SISO	1	Refer to test graph	-15.27	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-15.35	PASS
	2441	SISO	1	Refer to test graph	-15.35	PASS
	2480	SISO	1	Refer to test graph	-15.35	PASS
	Hopping	SISO	1	Refer to test graph	-15.35	PASS

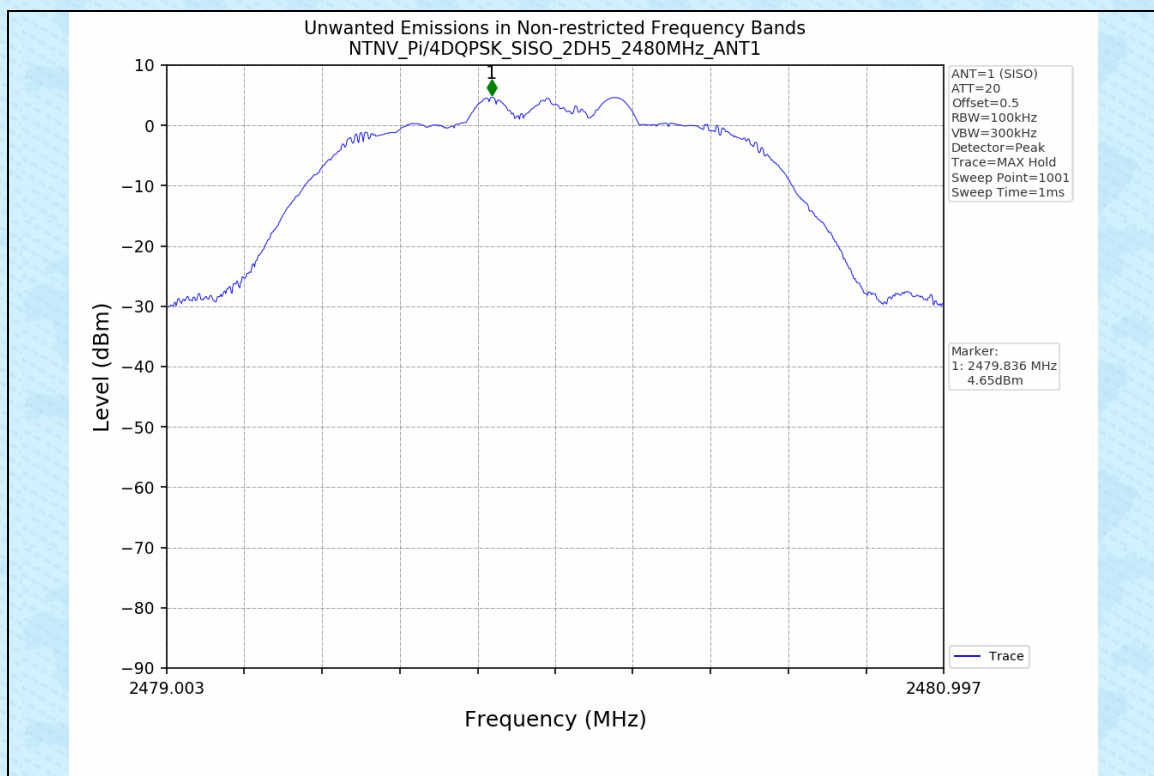
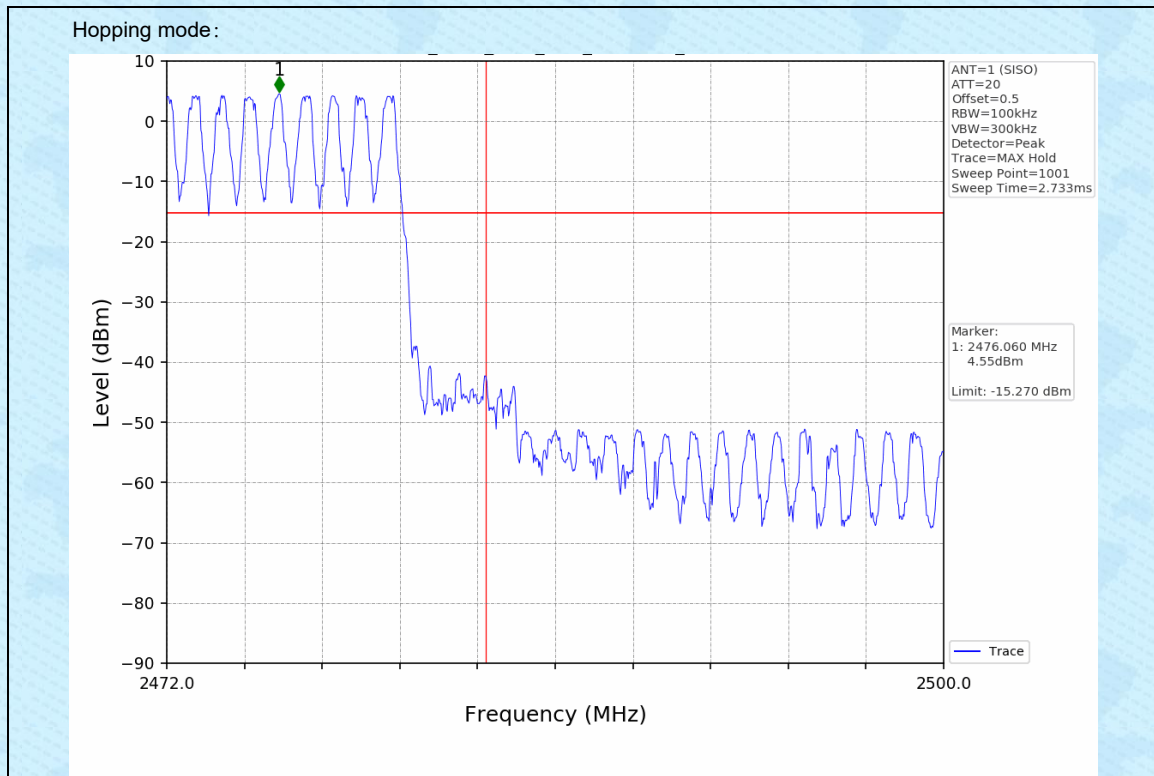
1.2 Test Graph

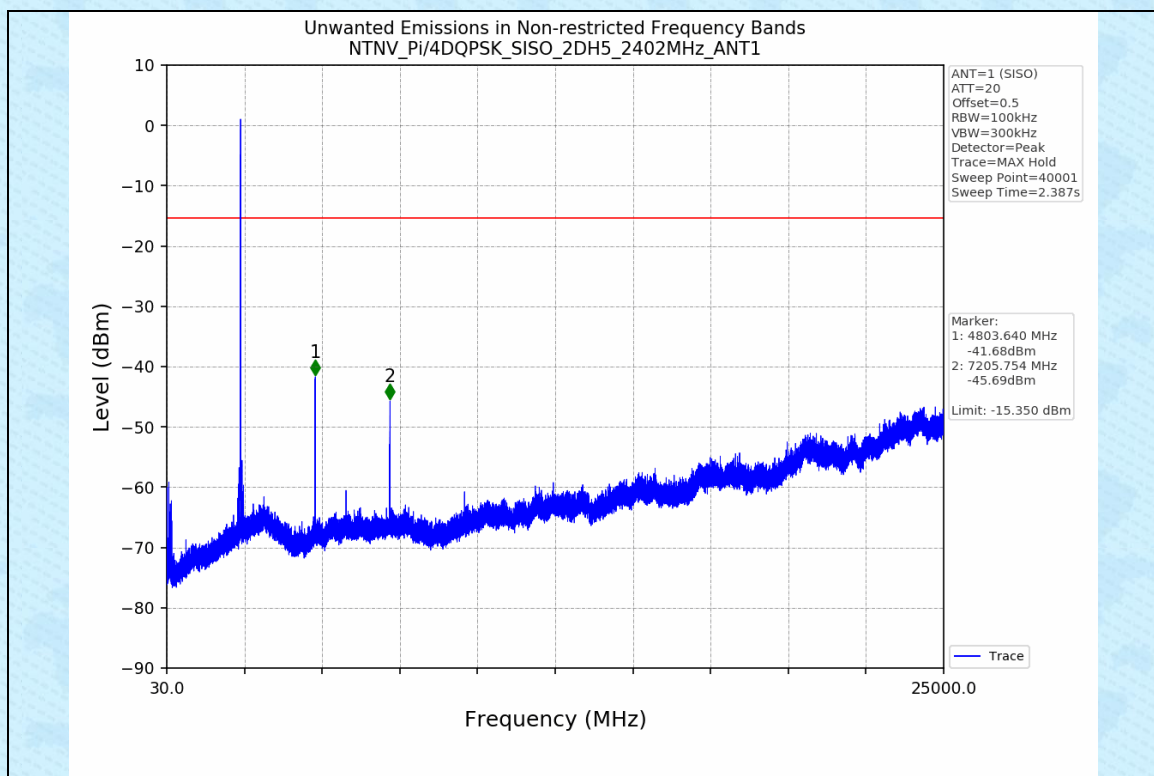
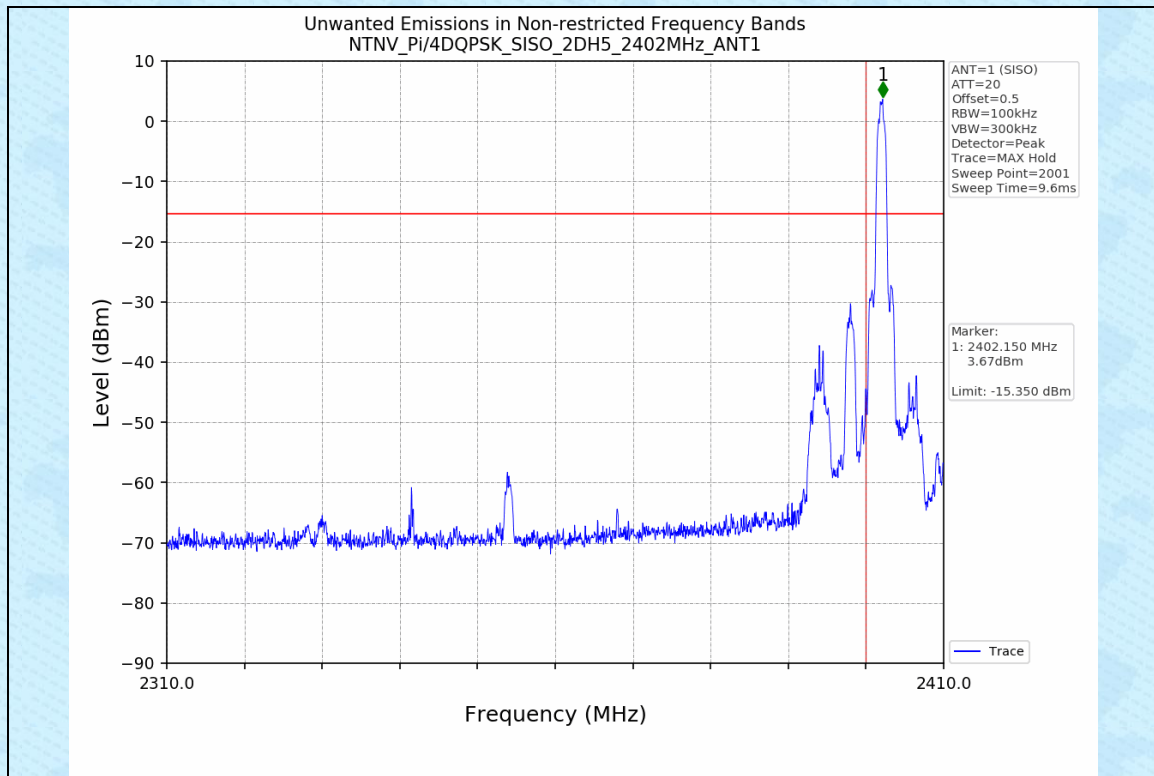


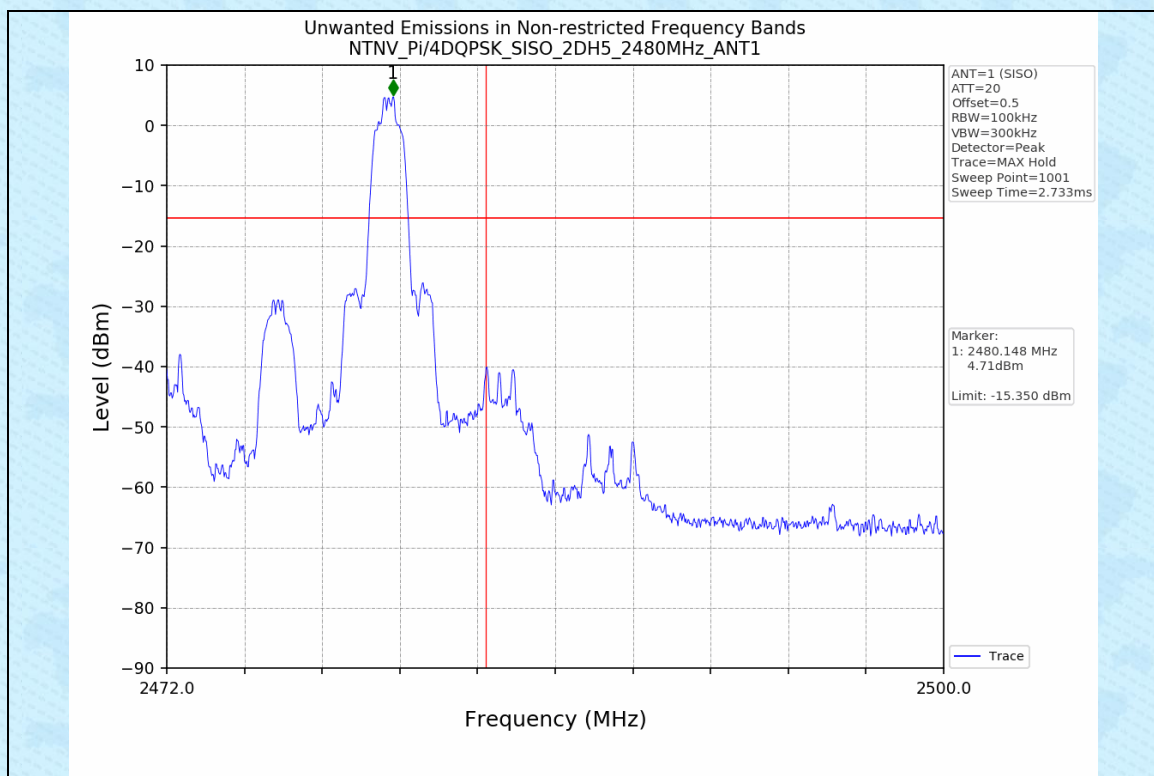
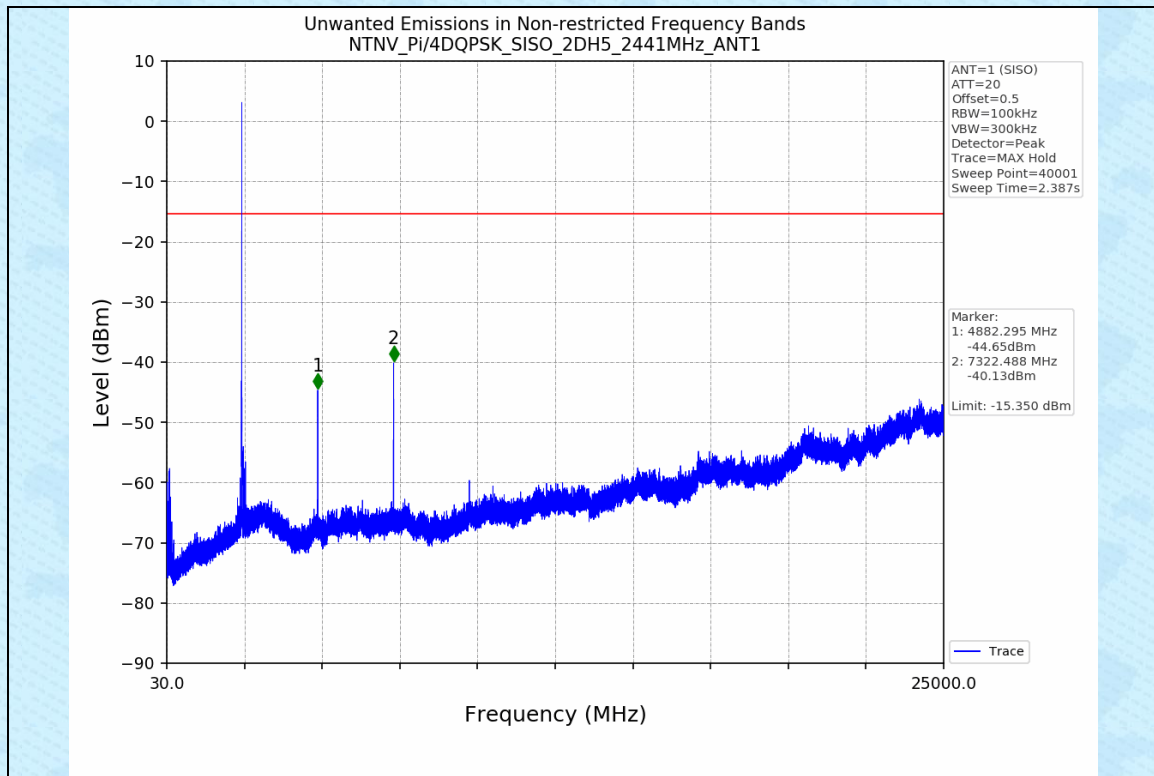


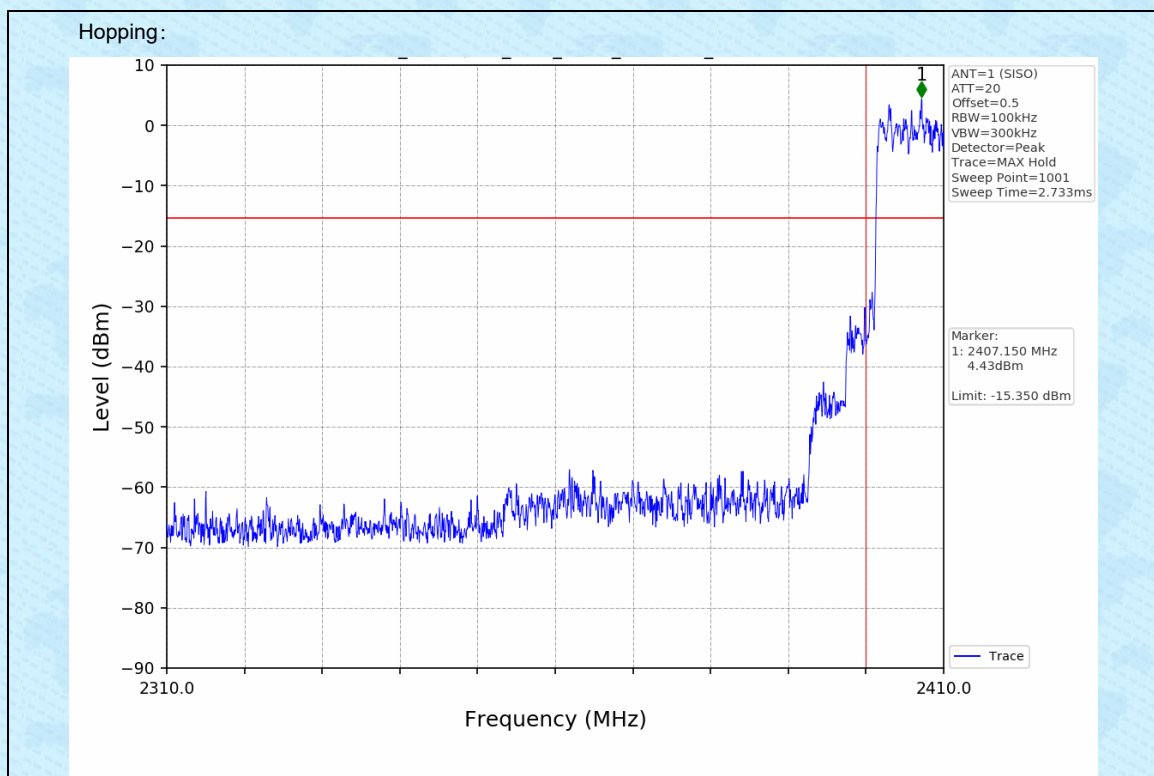
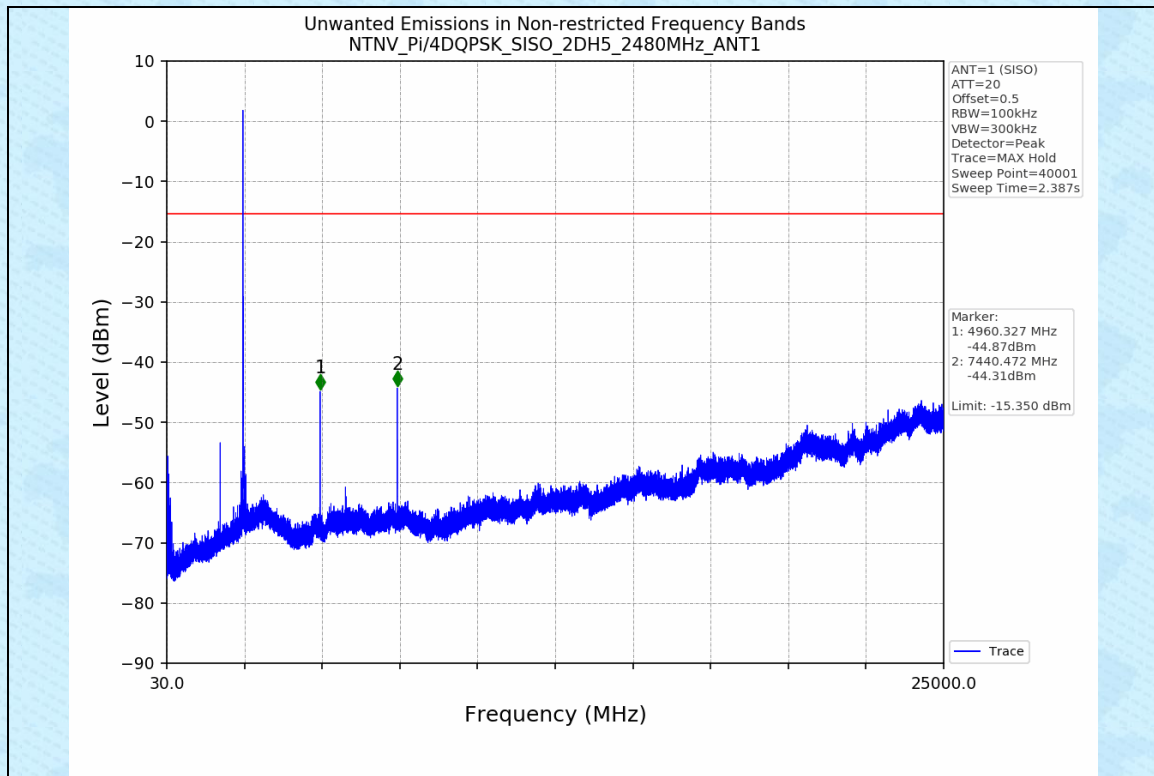


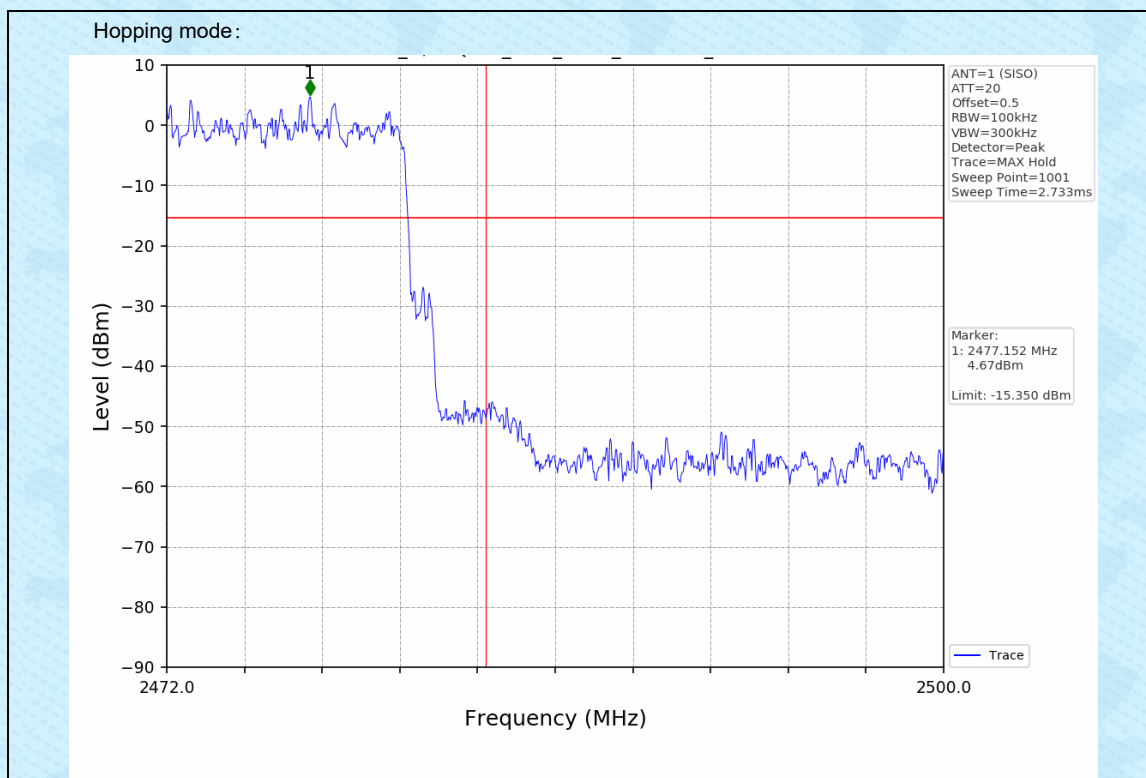












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