

Appendix for 15.247

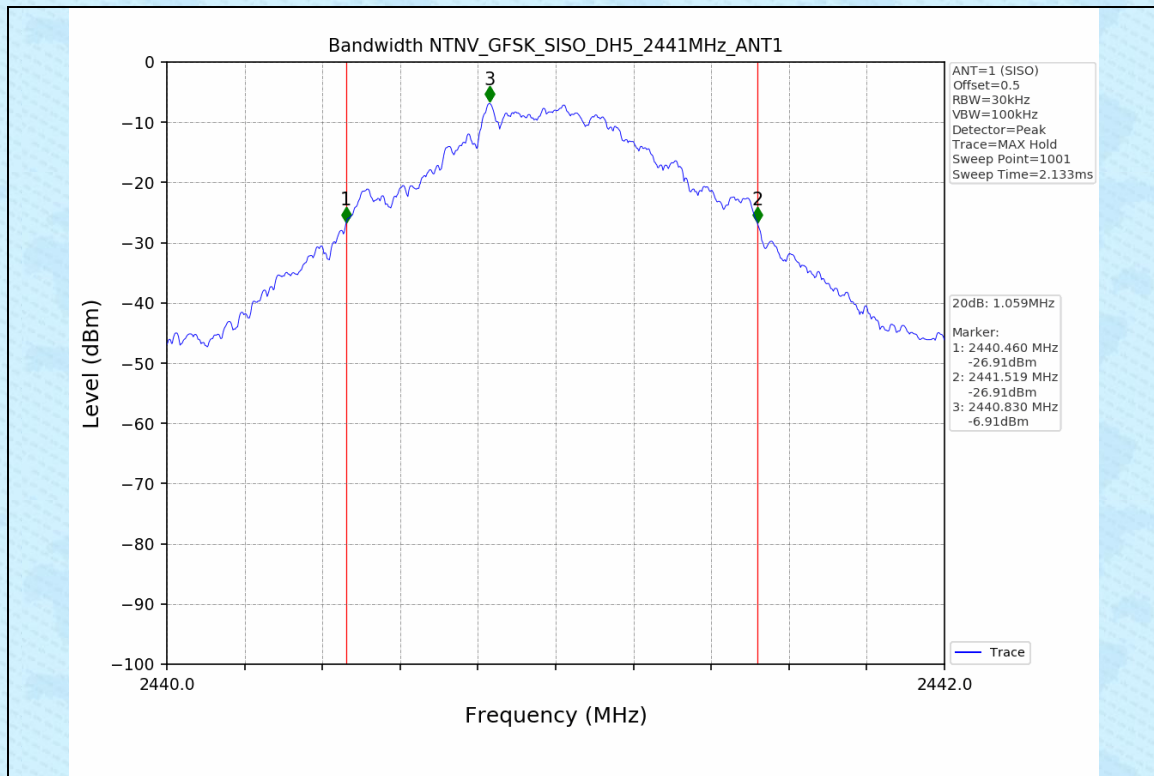
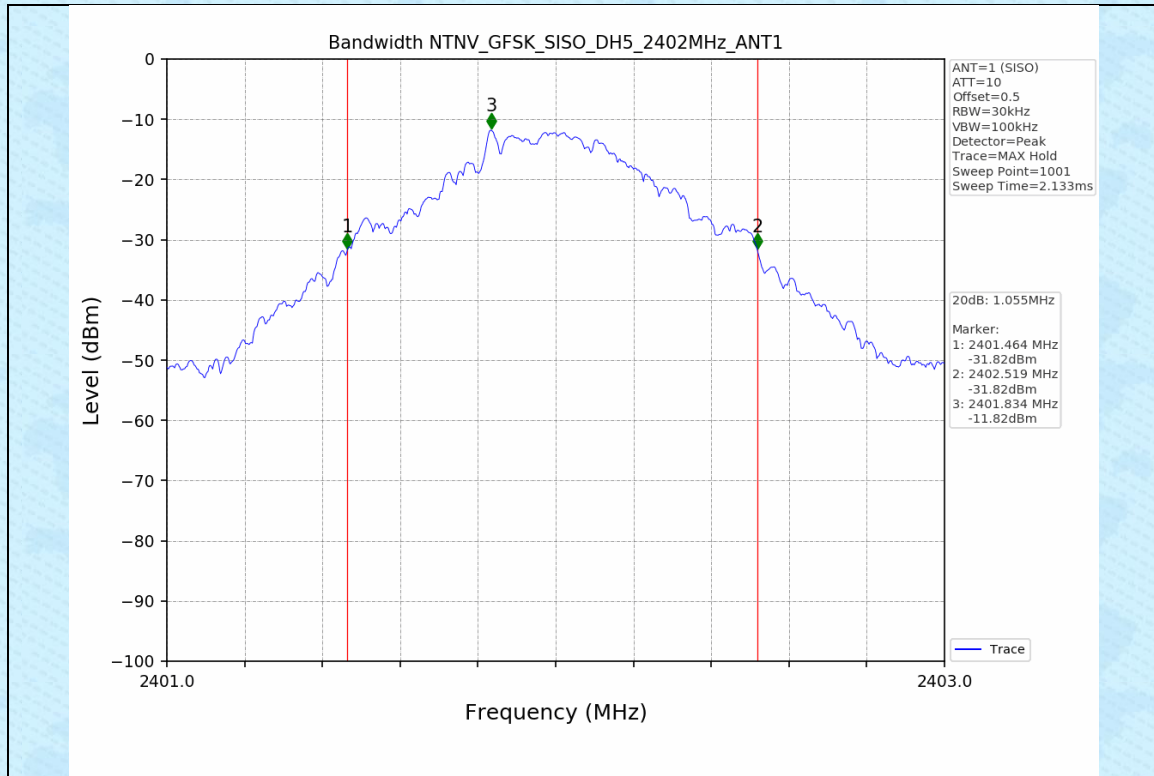
1. Bandwidth

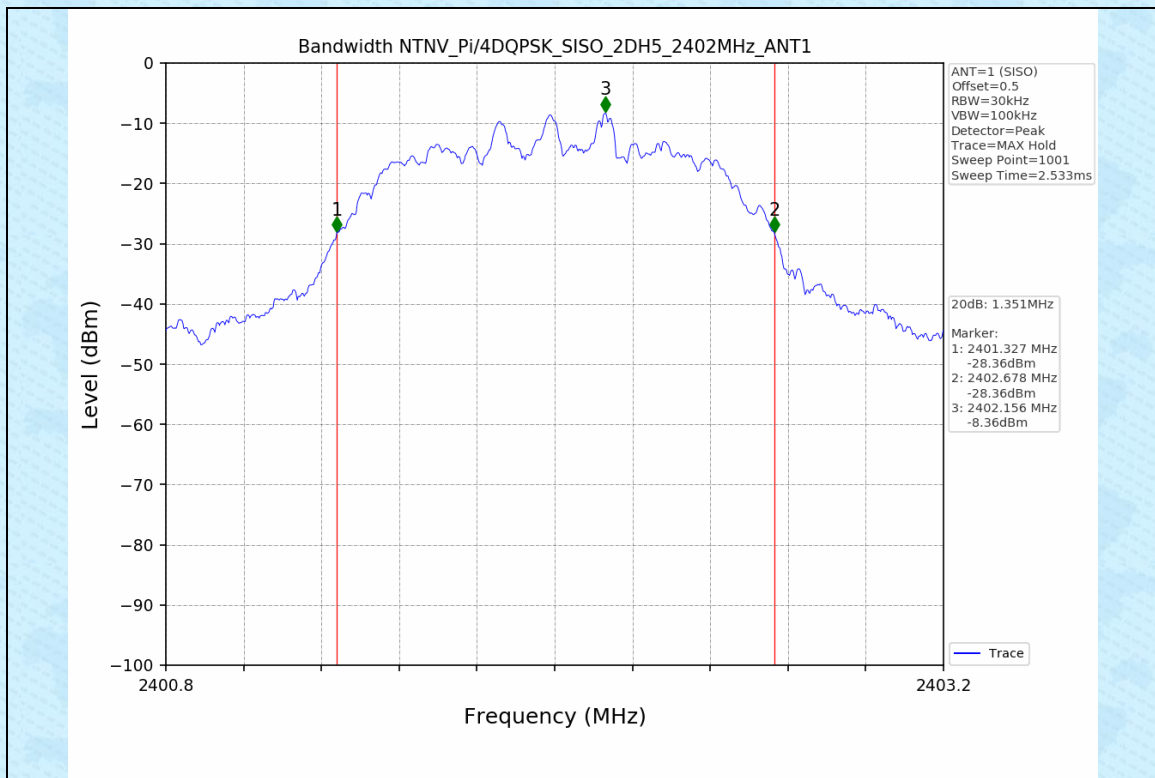
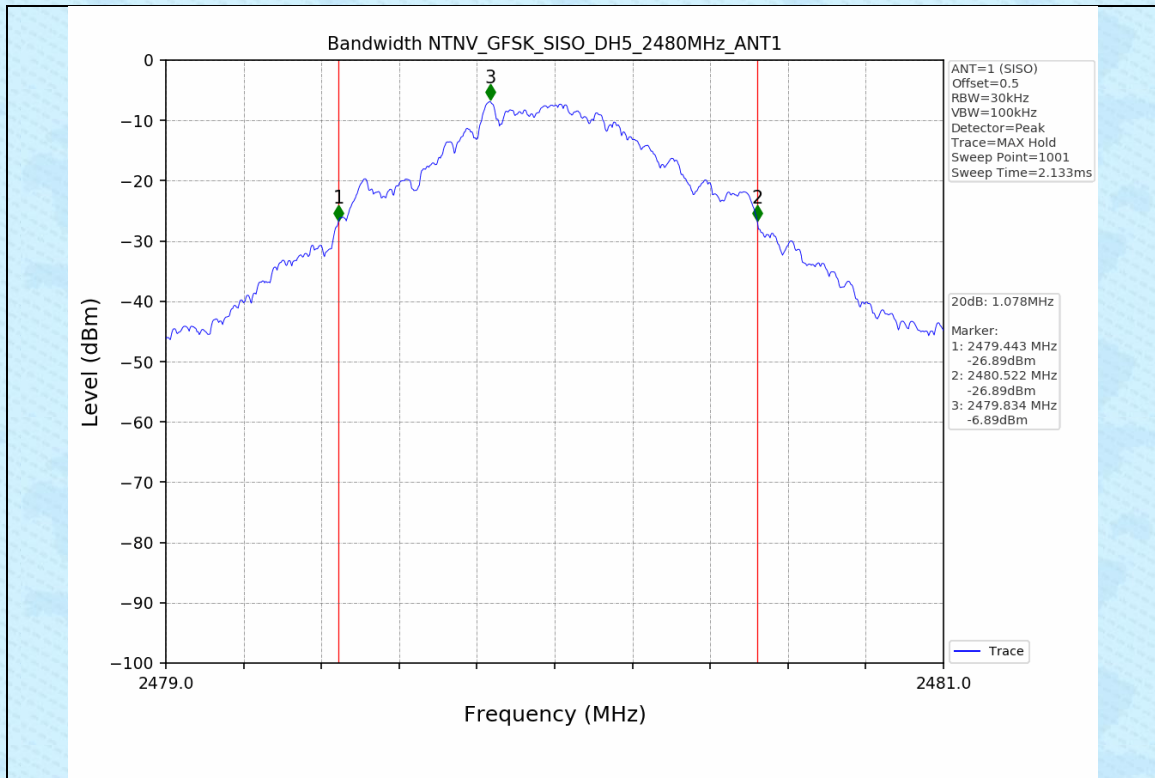
1.1 Test Result

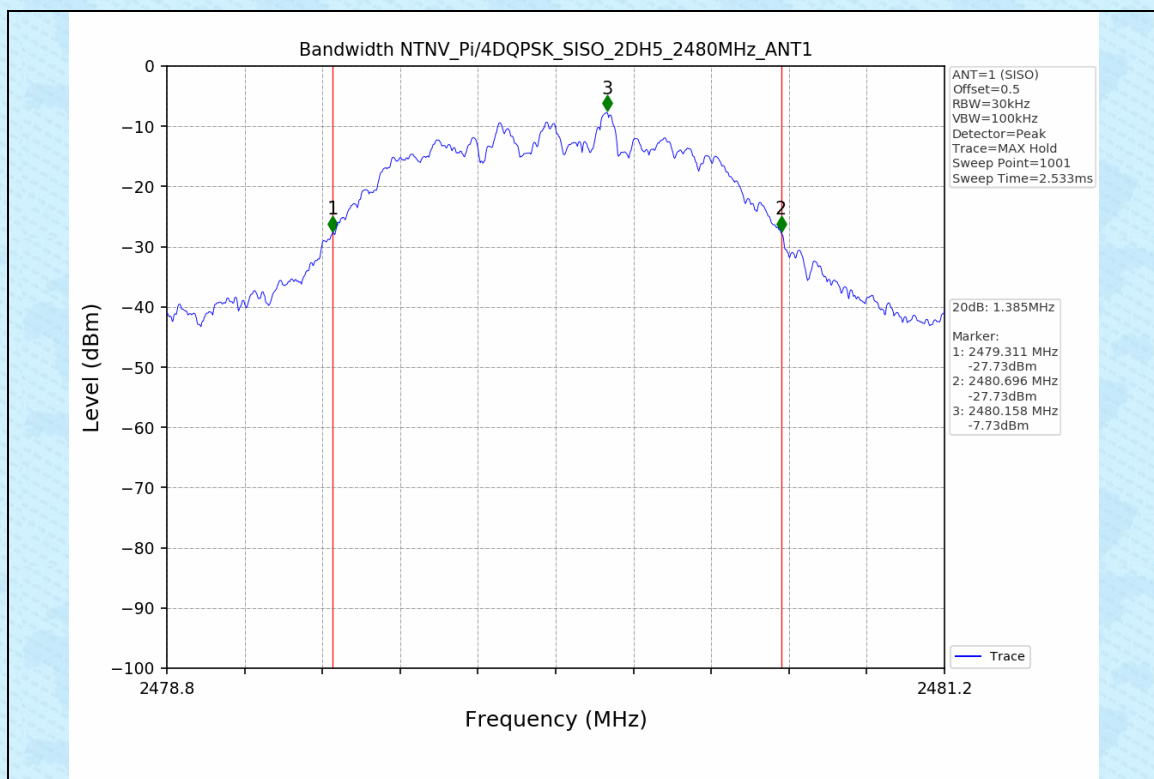
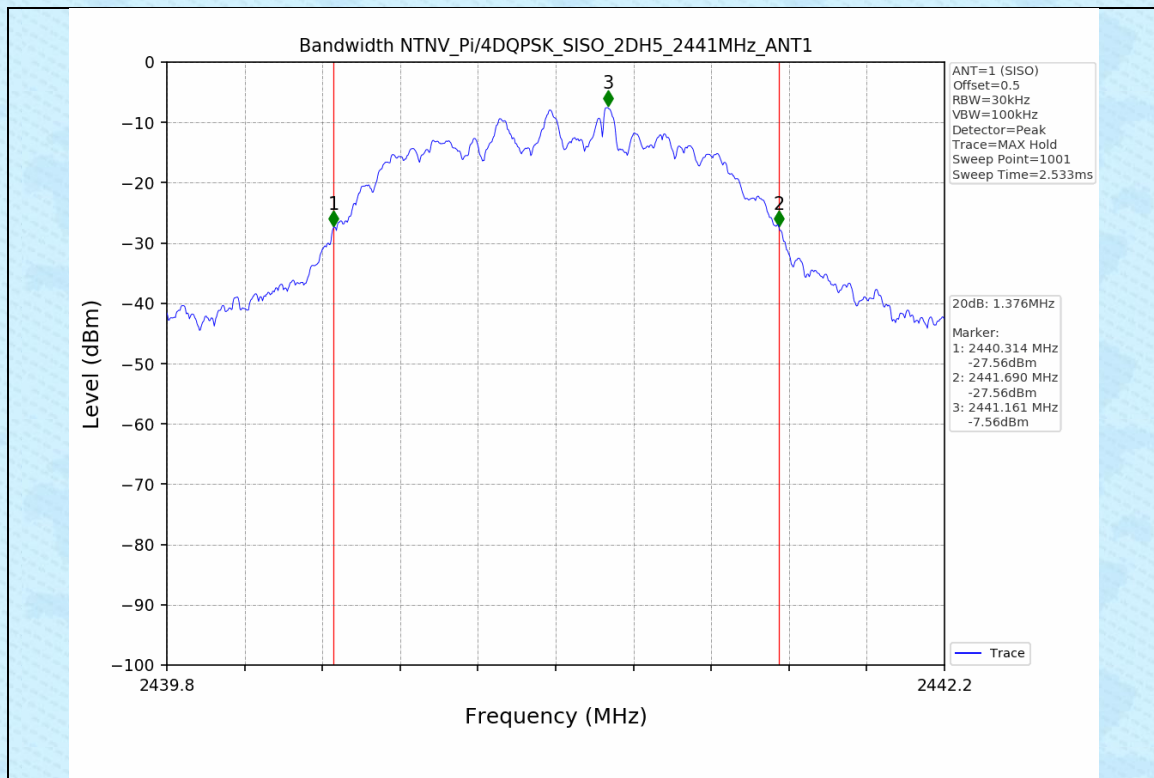
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	1.055	PASS
	2441	SISO	1	1.059	PASS
	2480	SISO	1	1.078	PASS
$\pi/4$ -DQPSK	2402	SISO	1	1.351	PASS
	2441	SISO	1	1.376	PASS
	2480	SISO	1	1.385	PASS
8-DPSK	2402	SISO	1	1.304	PASS
	2441	SISO	1	1.316	PASS
	2480	SISO	1	1.297	PASS

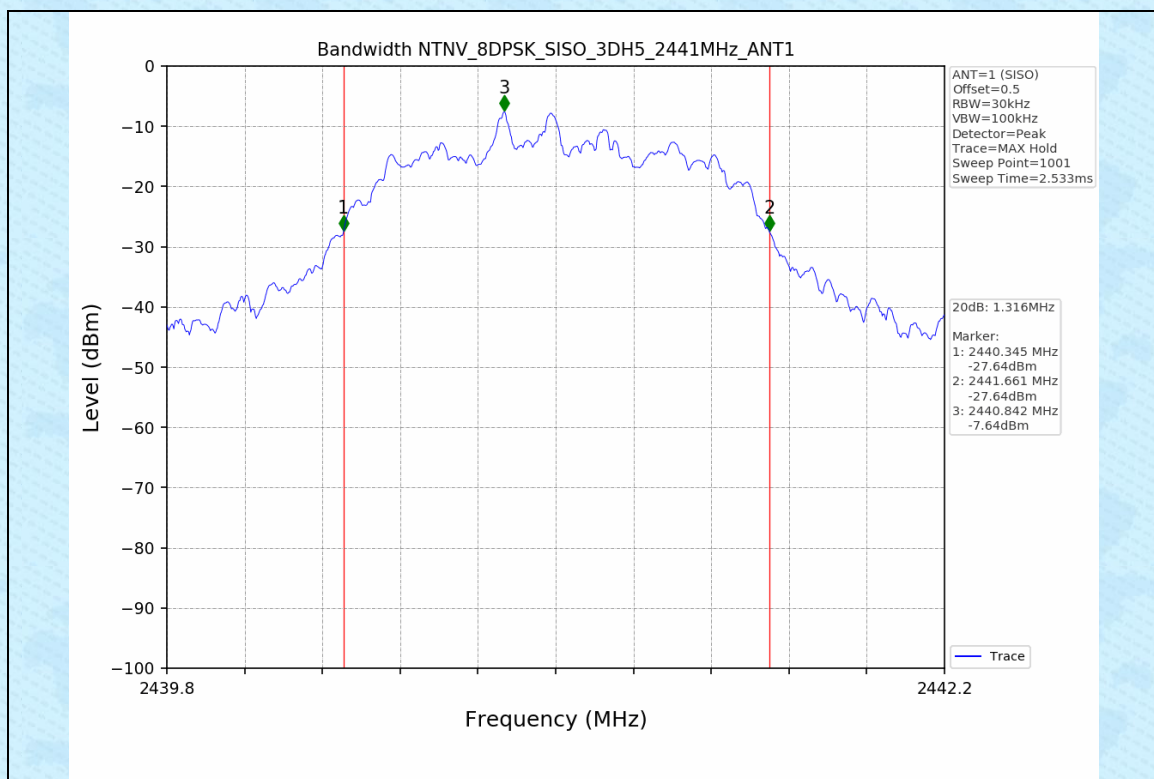
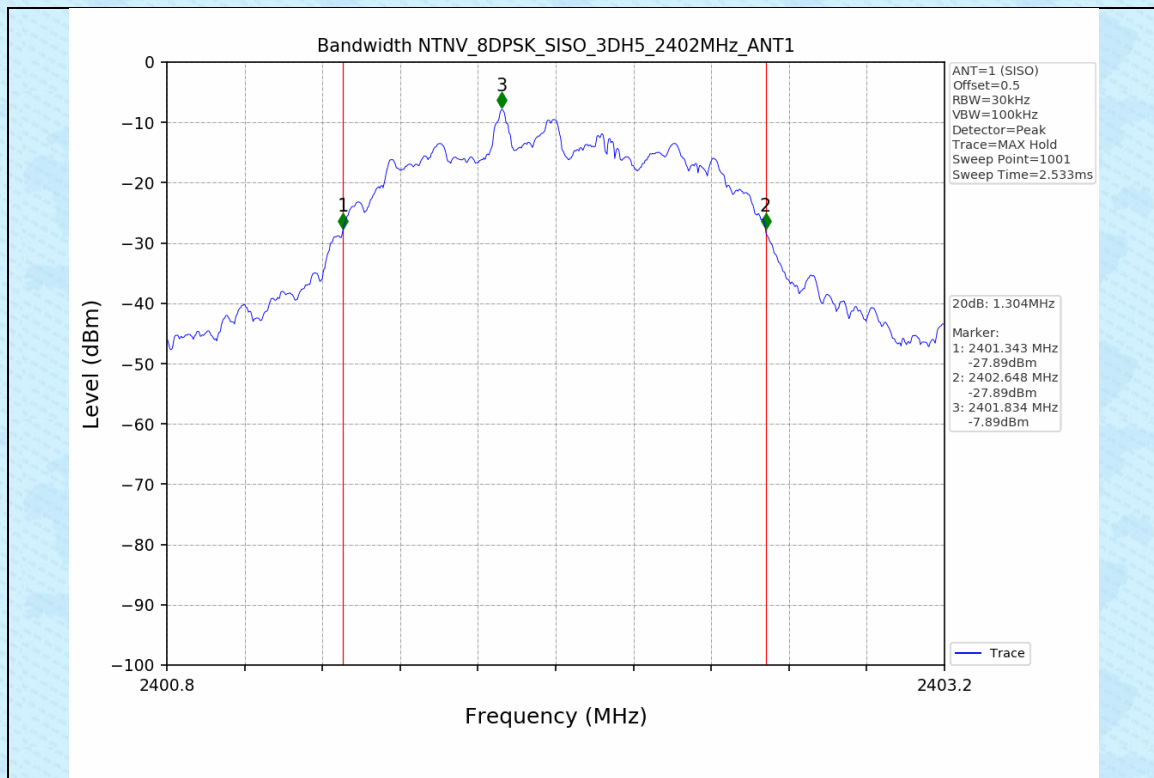
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.968	Only for Report Use
	2441	SISO	1	0.979	Only for Report Use
	2480	SISO	1	0.993	Only for Report Use
$\pi/4$ -DQPSK	2402	SISO	1	1.236	Only for Report Use
	2441	SISO	1	1.259	Only for Report Use
	2480	SISO	1	1.277	Only for Report Use
8-DPSK	2402	SISO	1	1.229	Only for Report Use
	2441	SISO	1	1.236	Only for Report Use
	2480	SISO	1	1.242	Only for Report Use

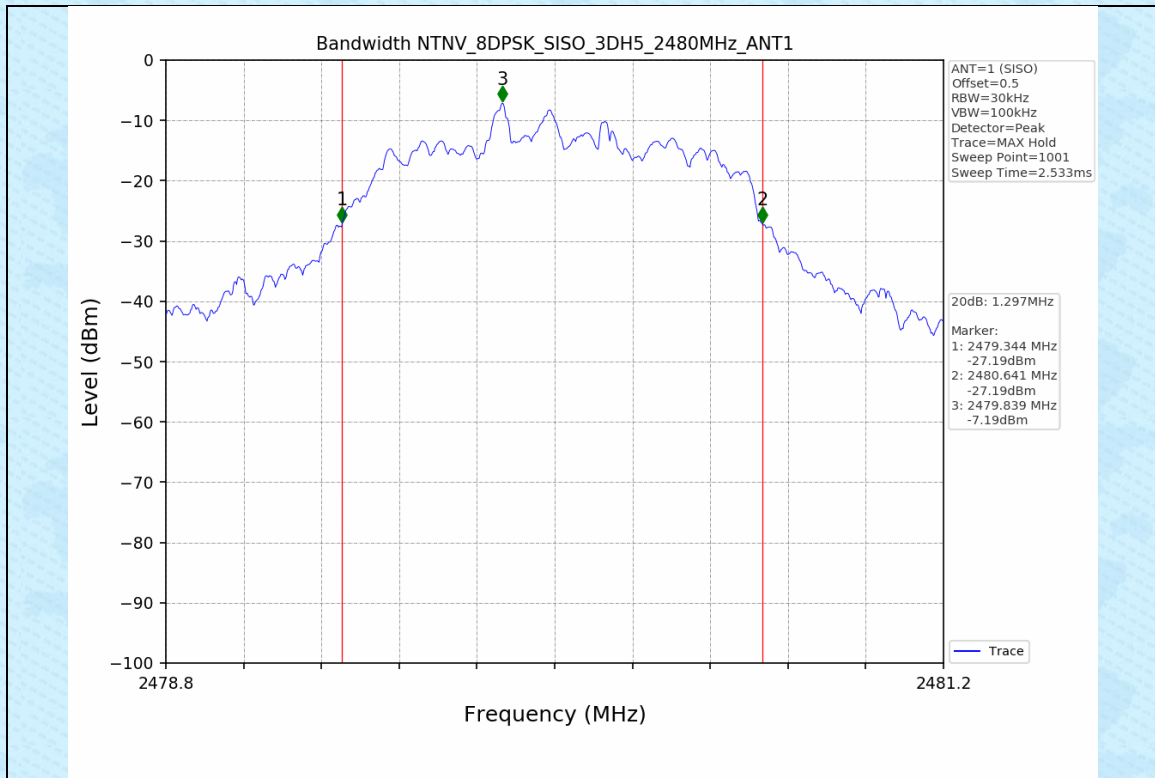
1.2 Test Graph - 20dB Bandwidth



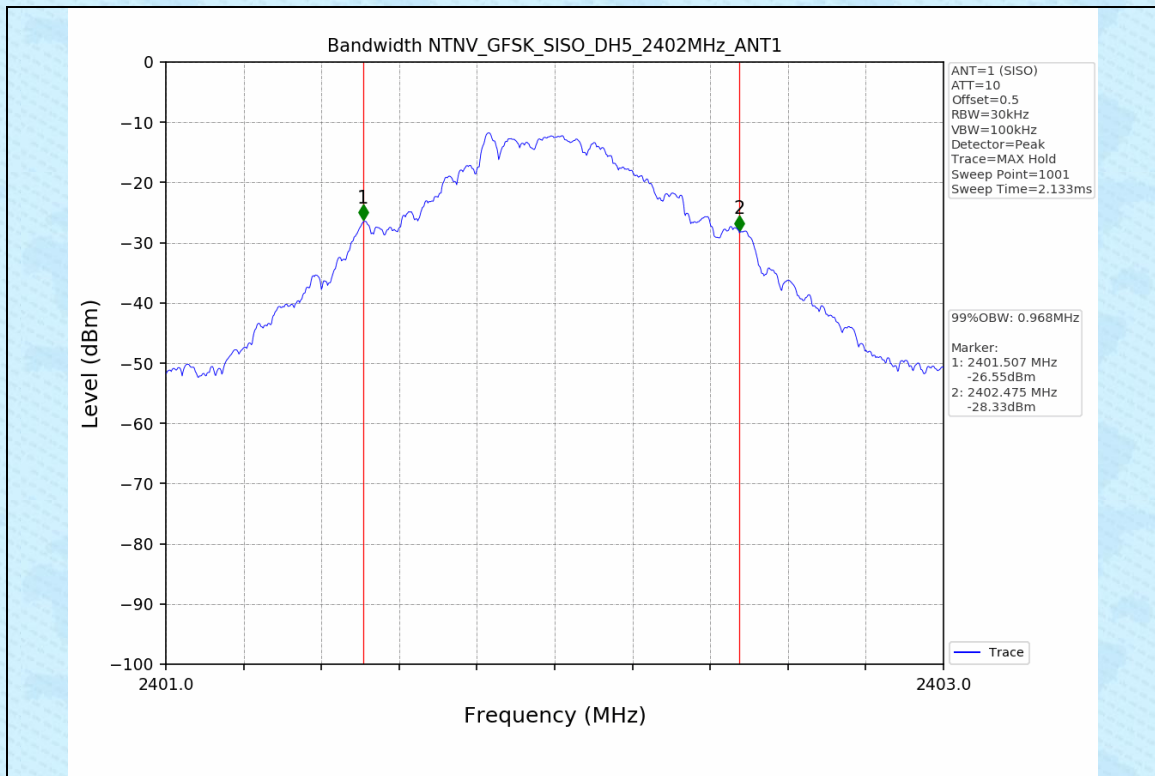


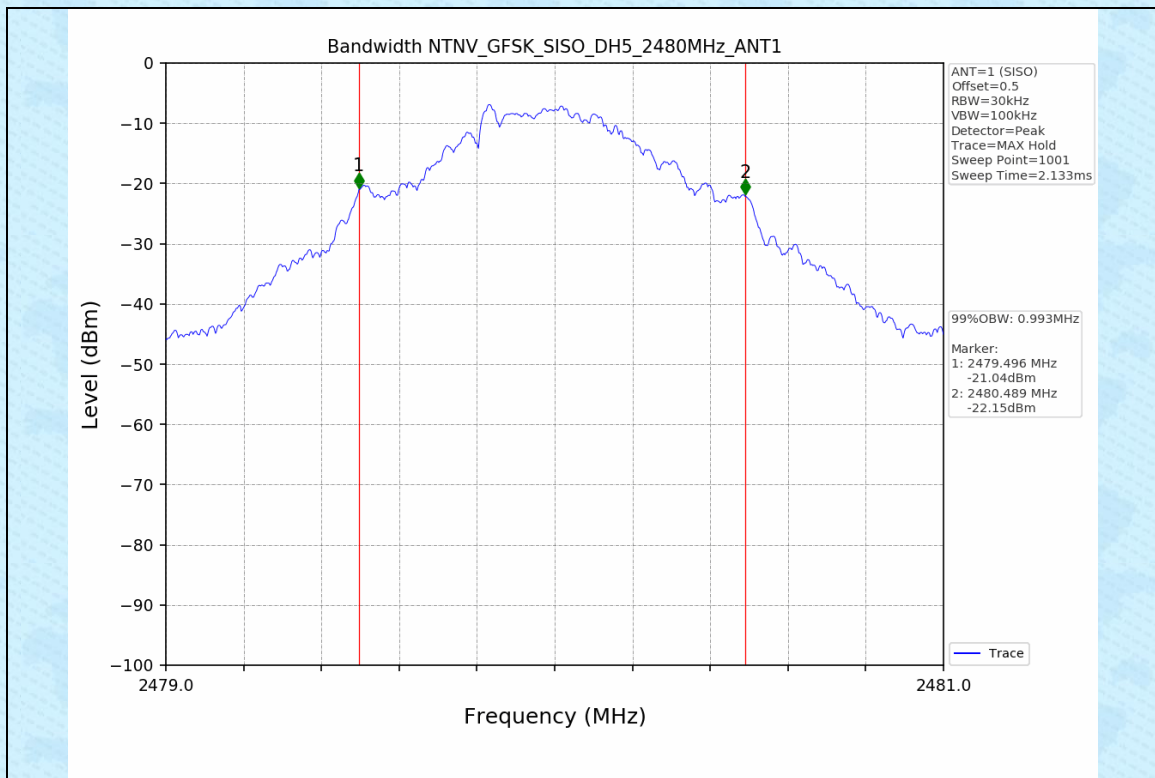
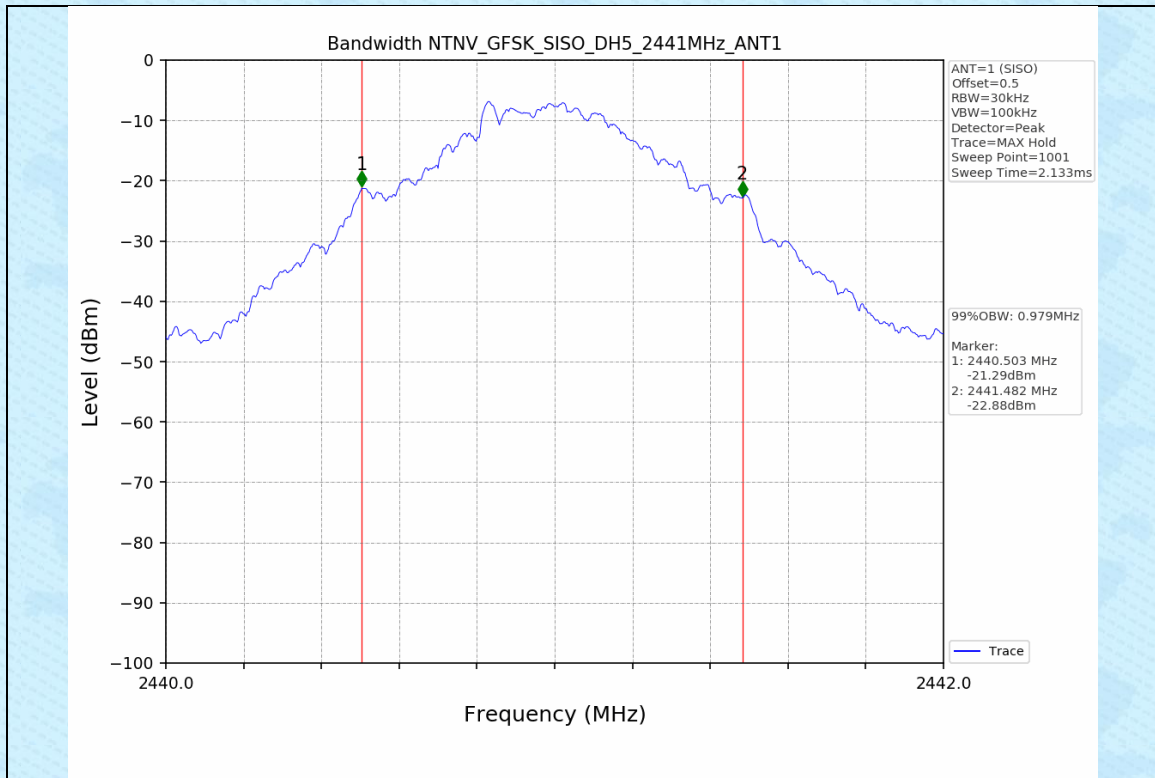


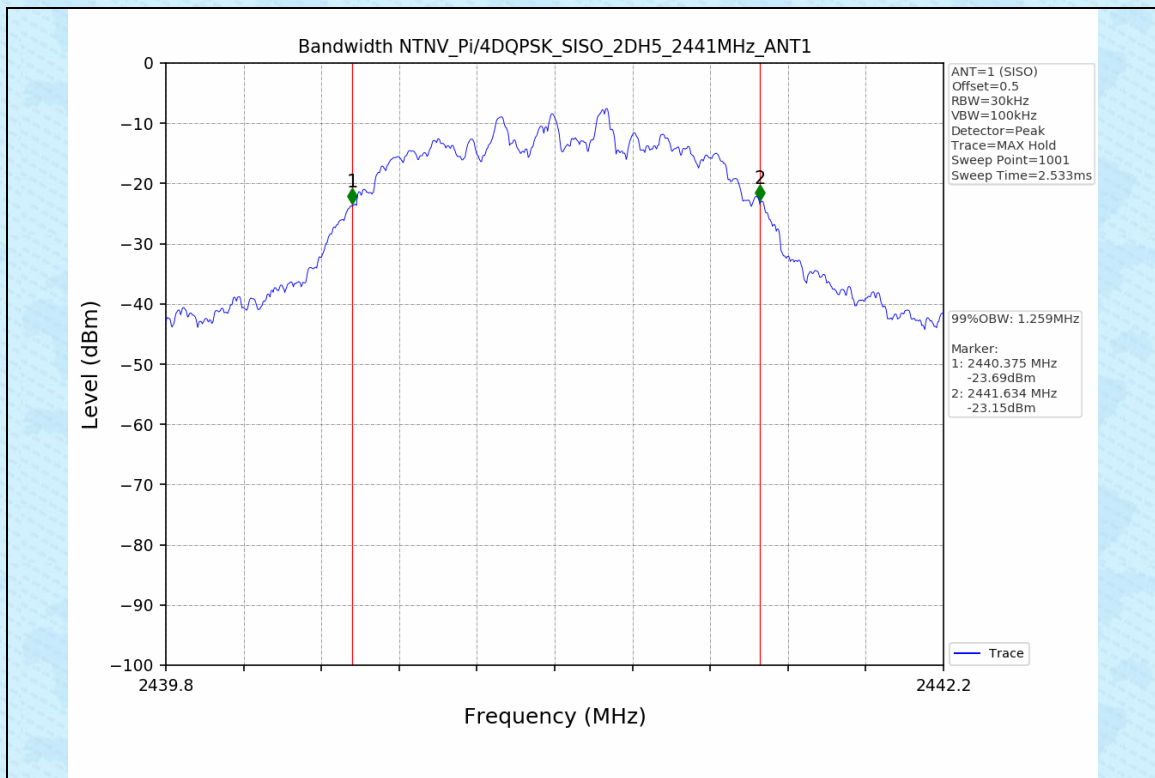
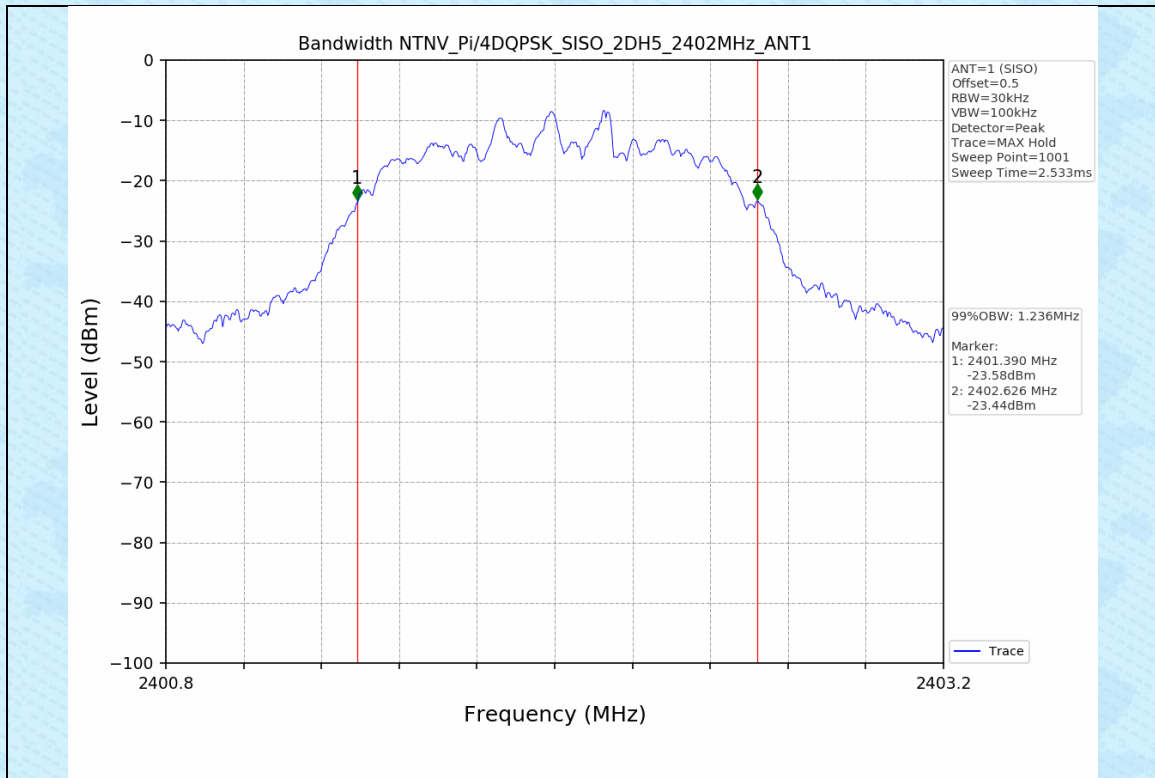


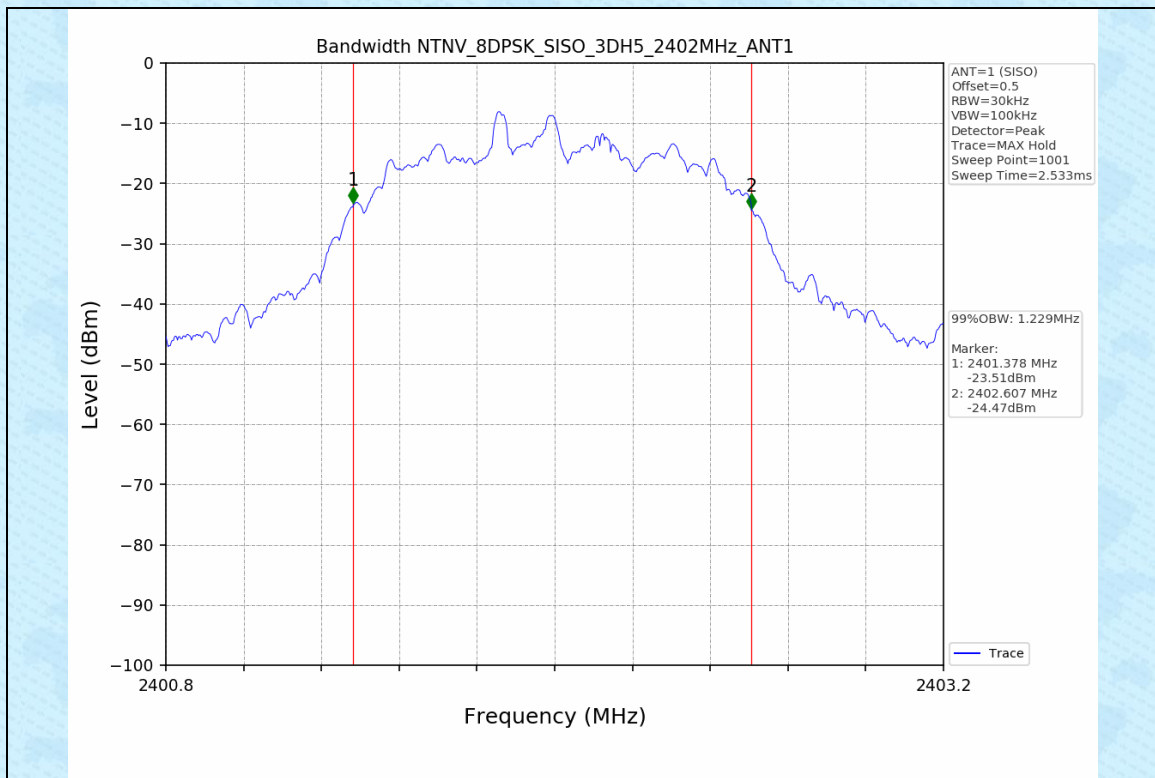
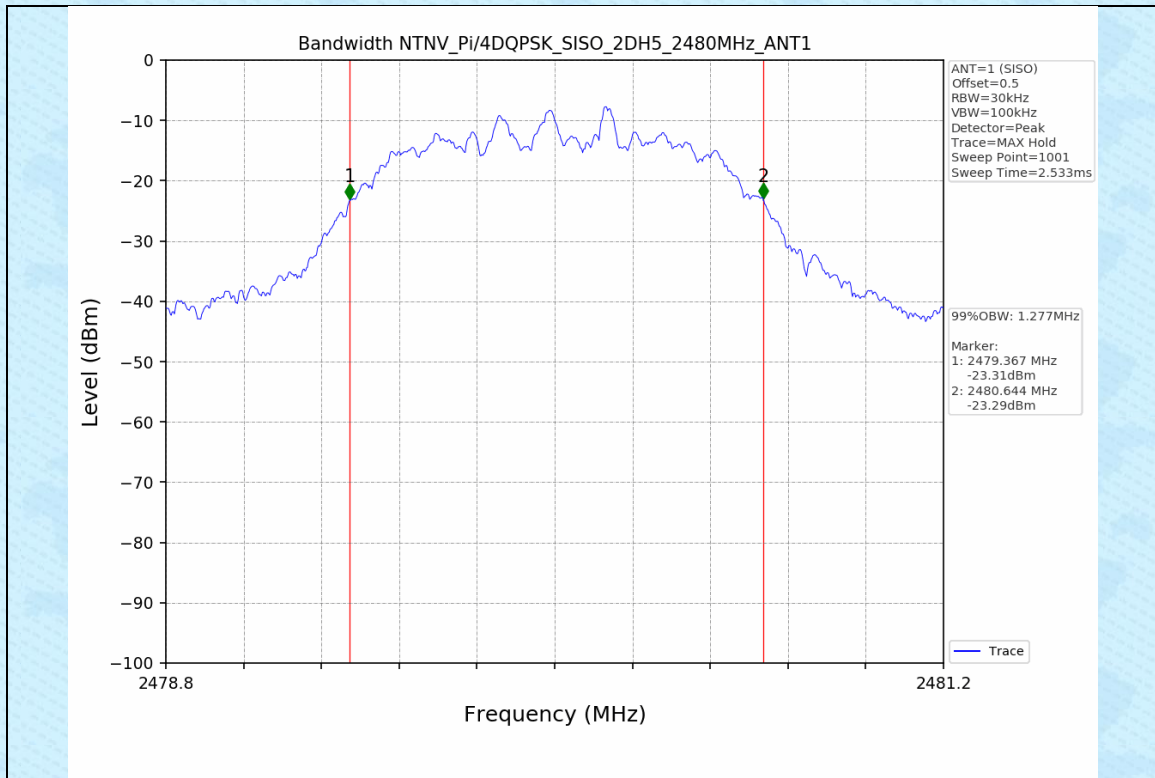


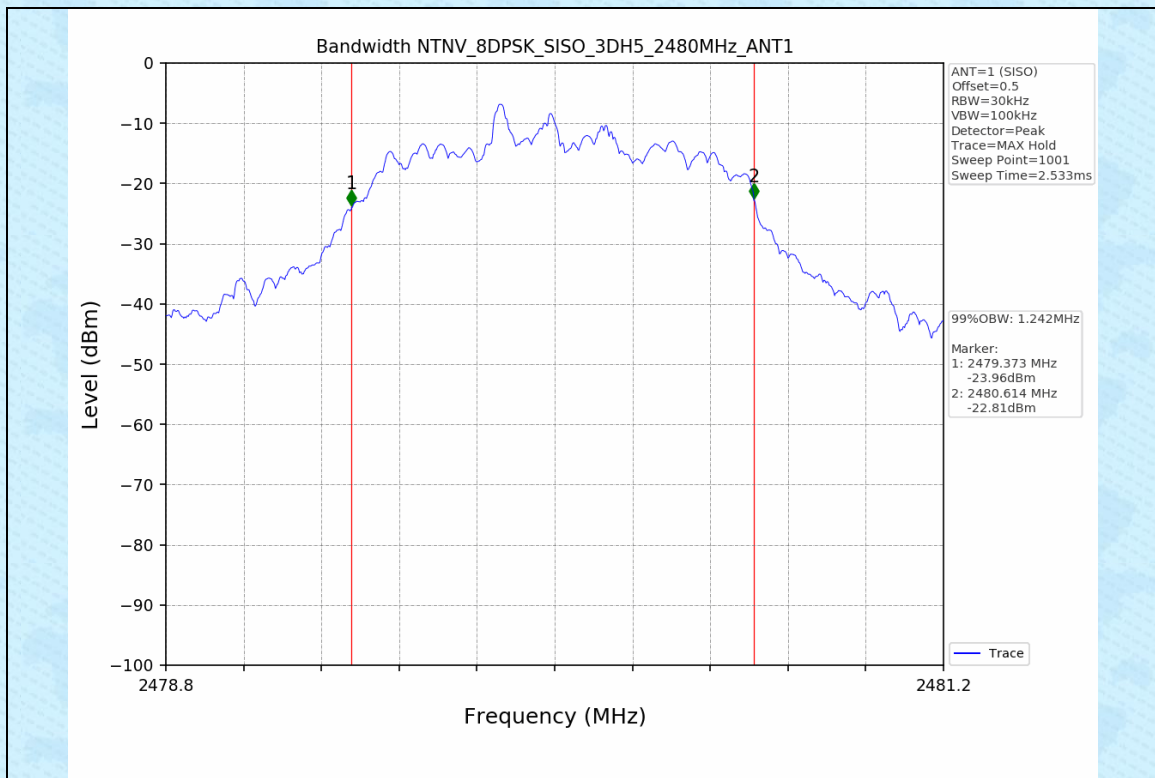
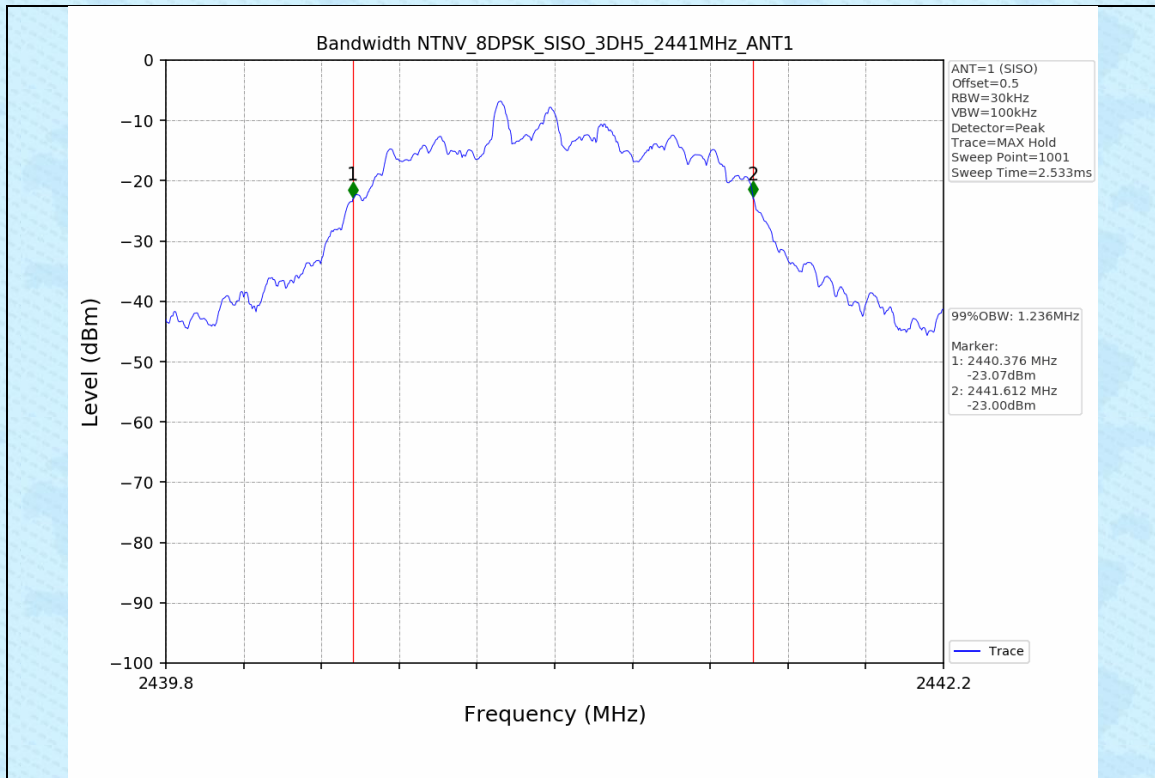
1.3 Test Graph - 99% Occupied Bandwidth









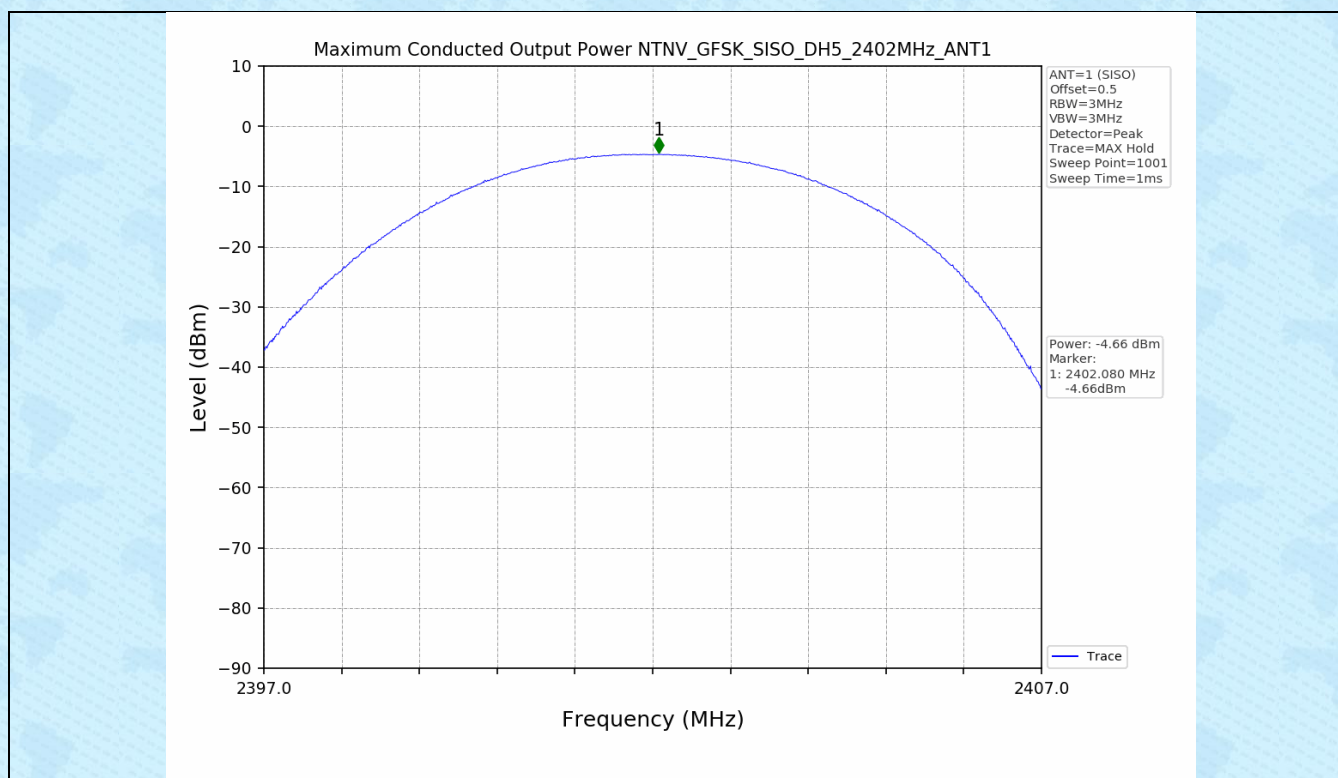


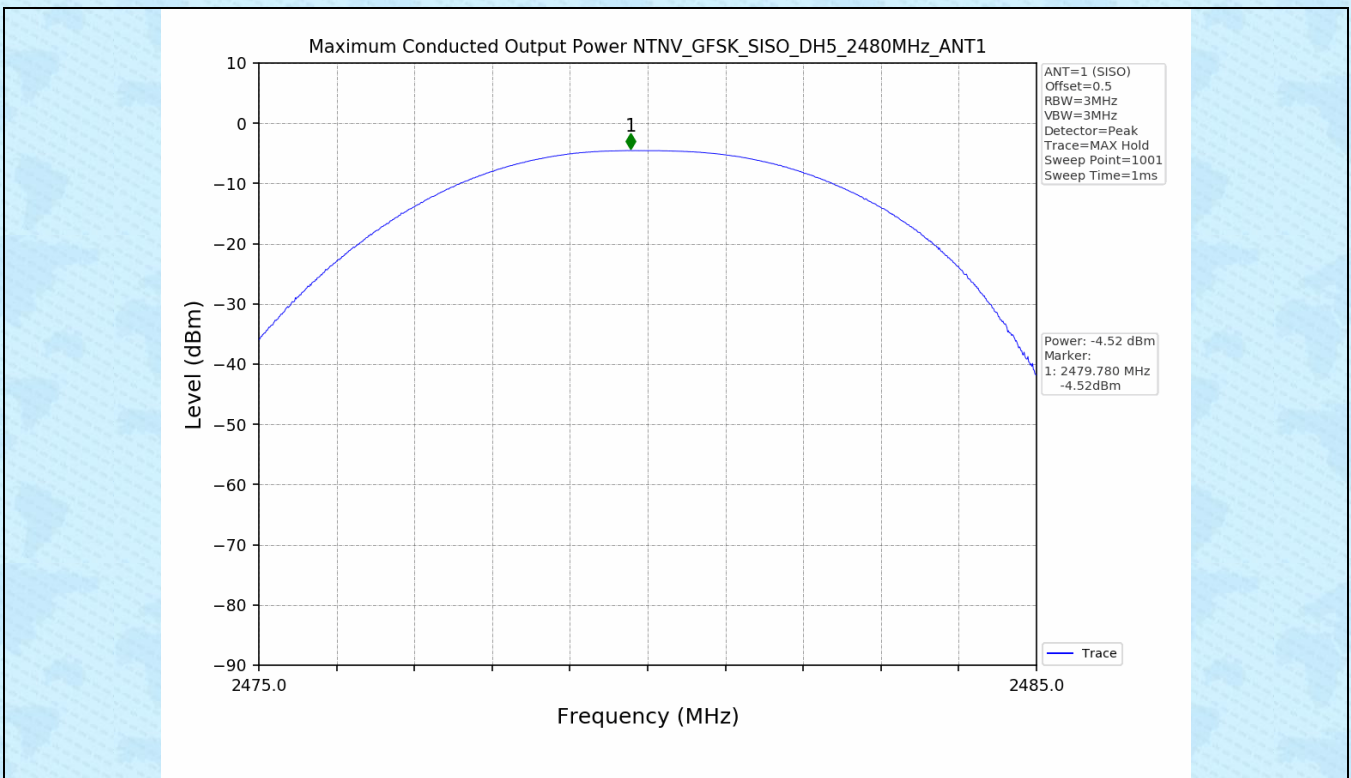
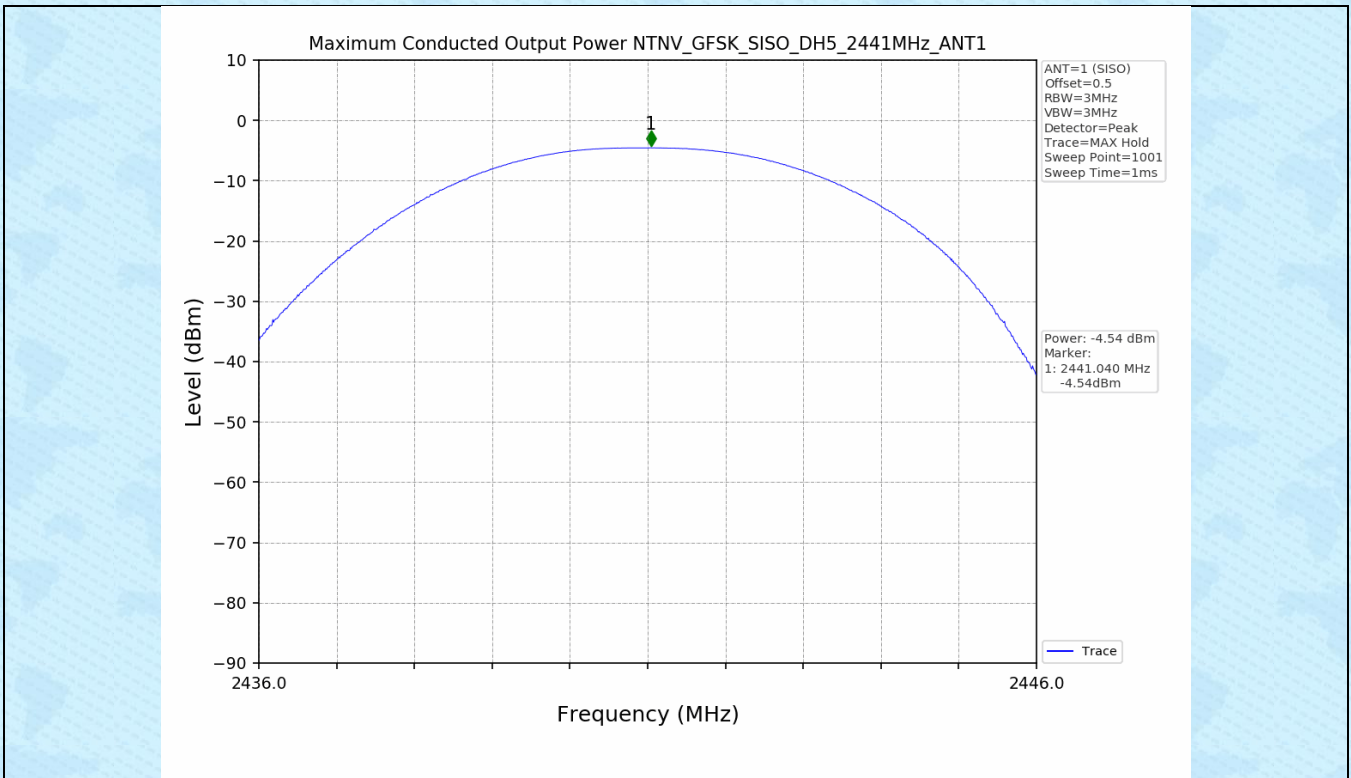
2. Maximum Conducted Output Power

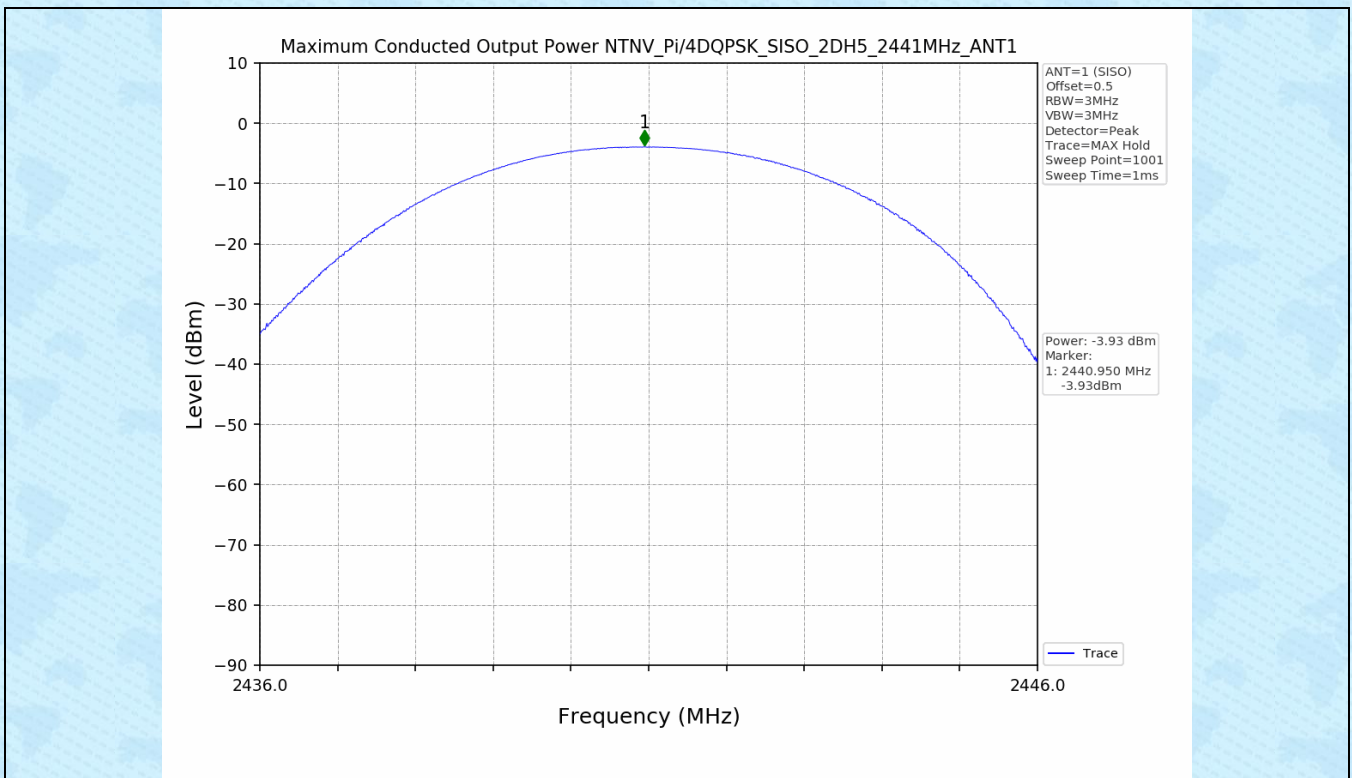
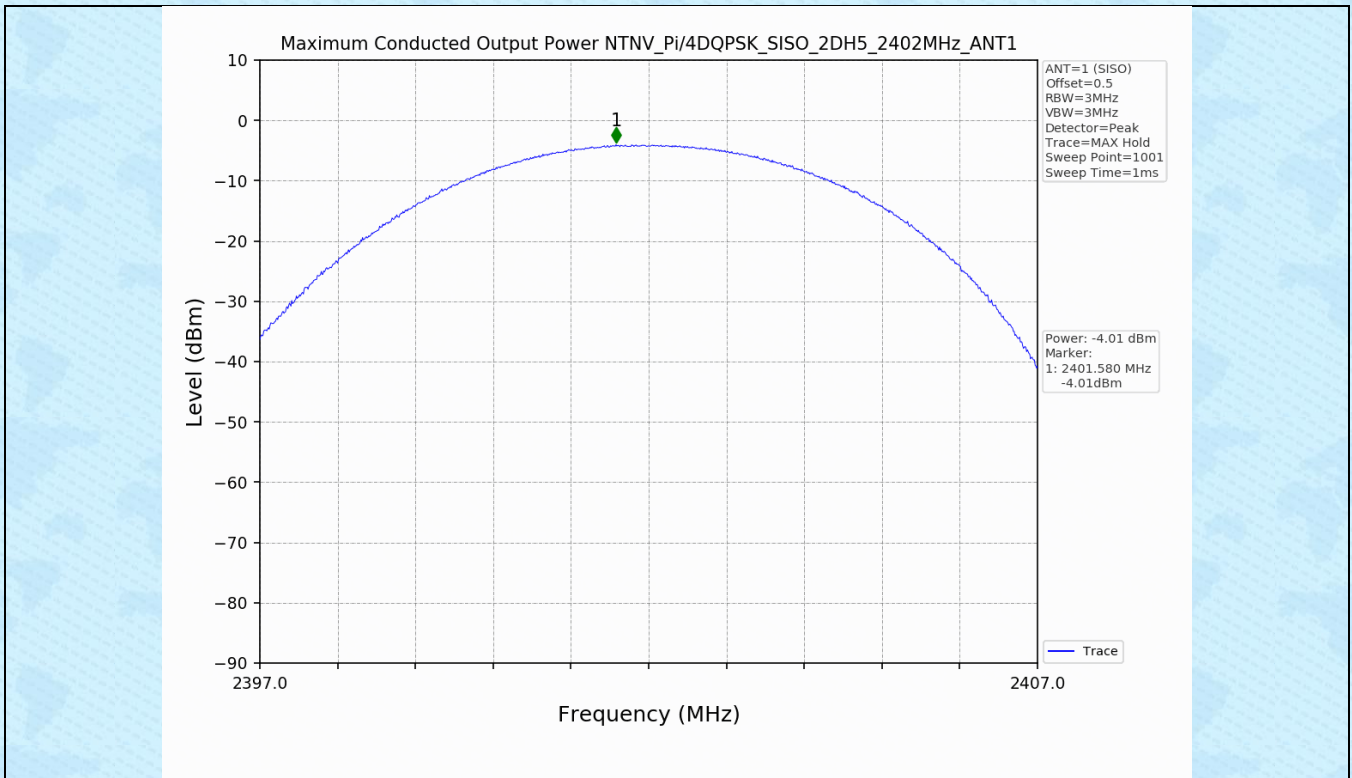
2.1 Test Result

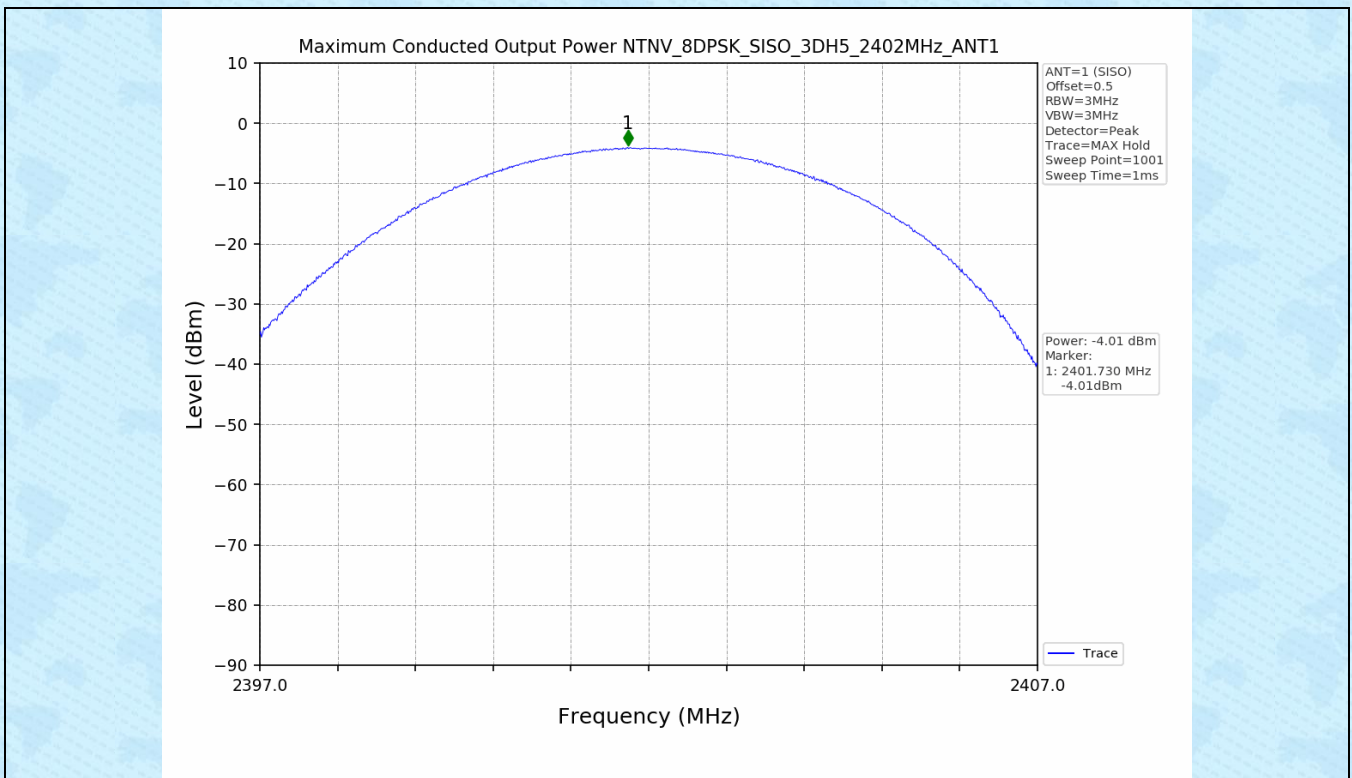
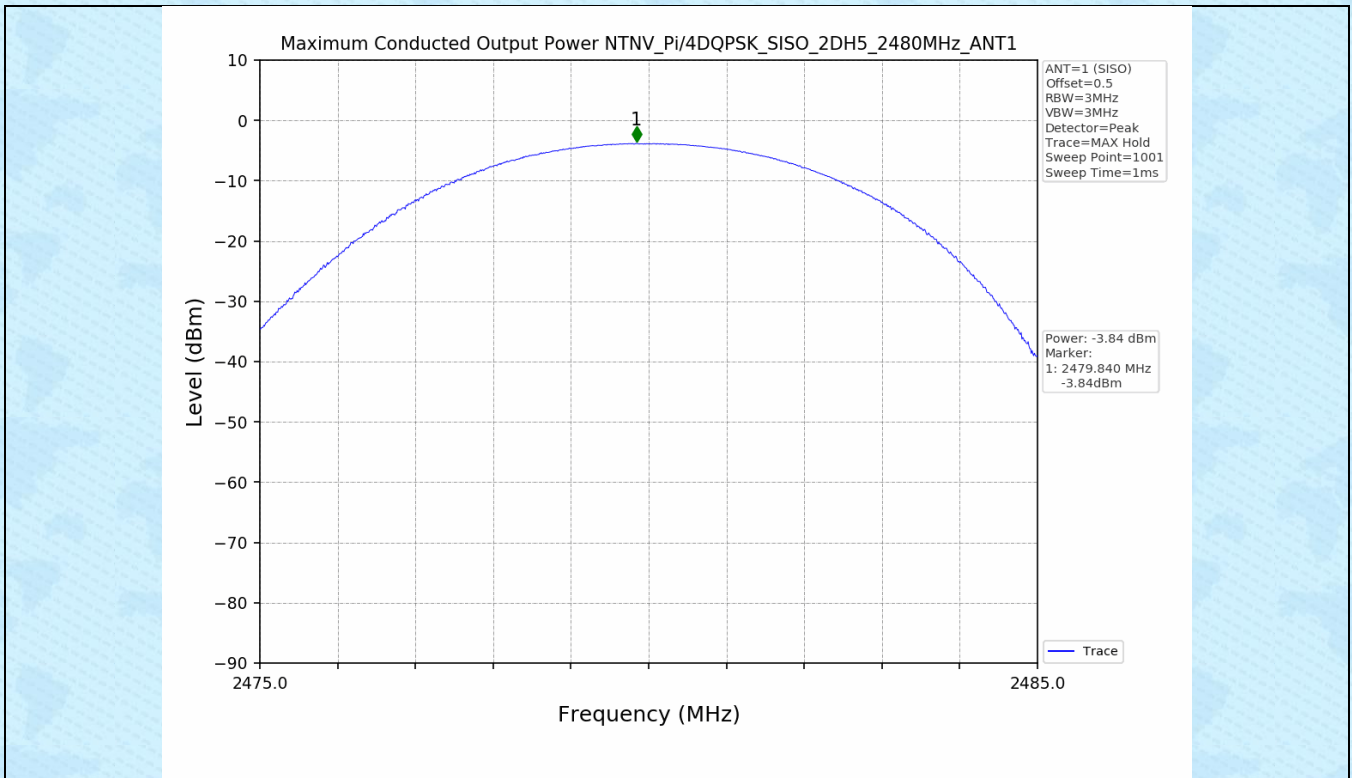
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-4.66	20.97	PASS
	2441	SISO	-4.54	20.97	PASS
	2480	SISO	-4.52	20.97	PASS
π/4-DQPSK	2402	SISO	-4.01	20.97	PASS
	2441	SISO	-3.93	20.97	PASS
	2480	SISO	-3.84	20.97	PASS
8-DPSK	2402	SISO	-4.01	20.97	PASS
	2441	SISO	-3.63	20.97	PASS
	2480	SISO	-3.57	20.97	PASS

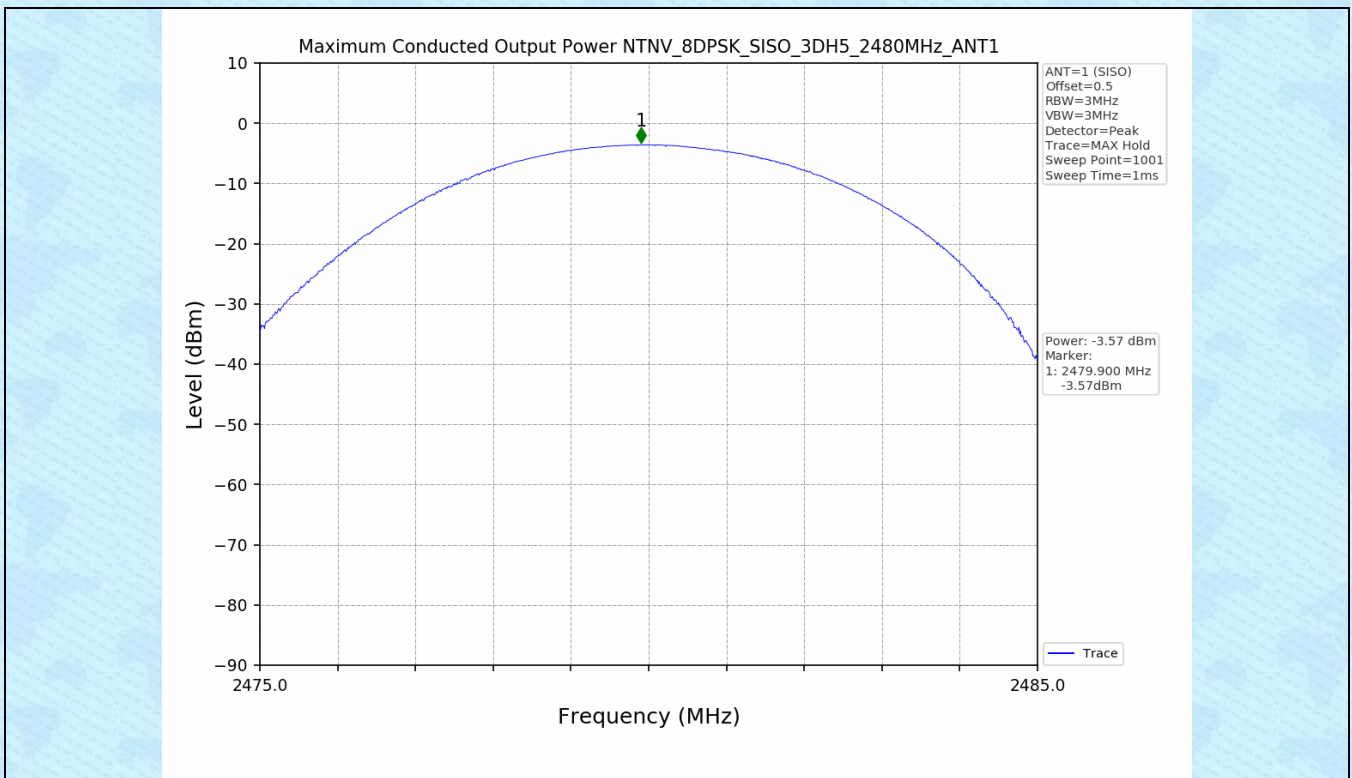
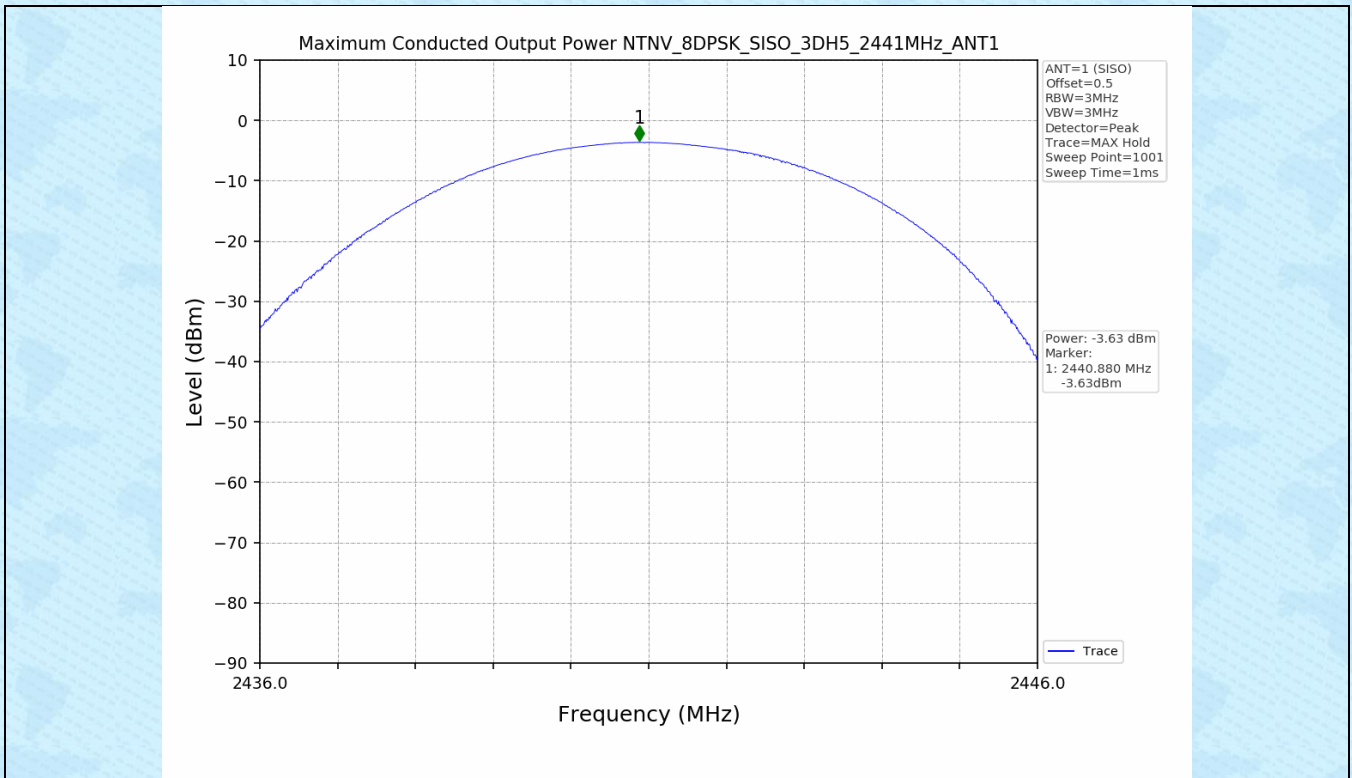
2.2 Test Graph









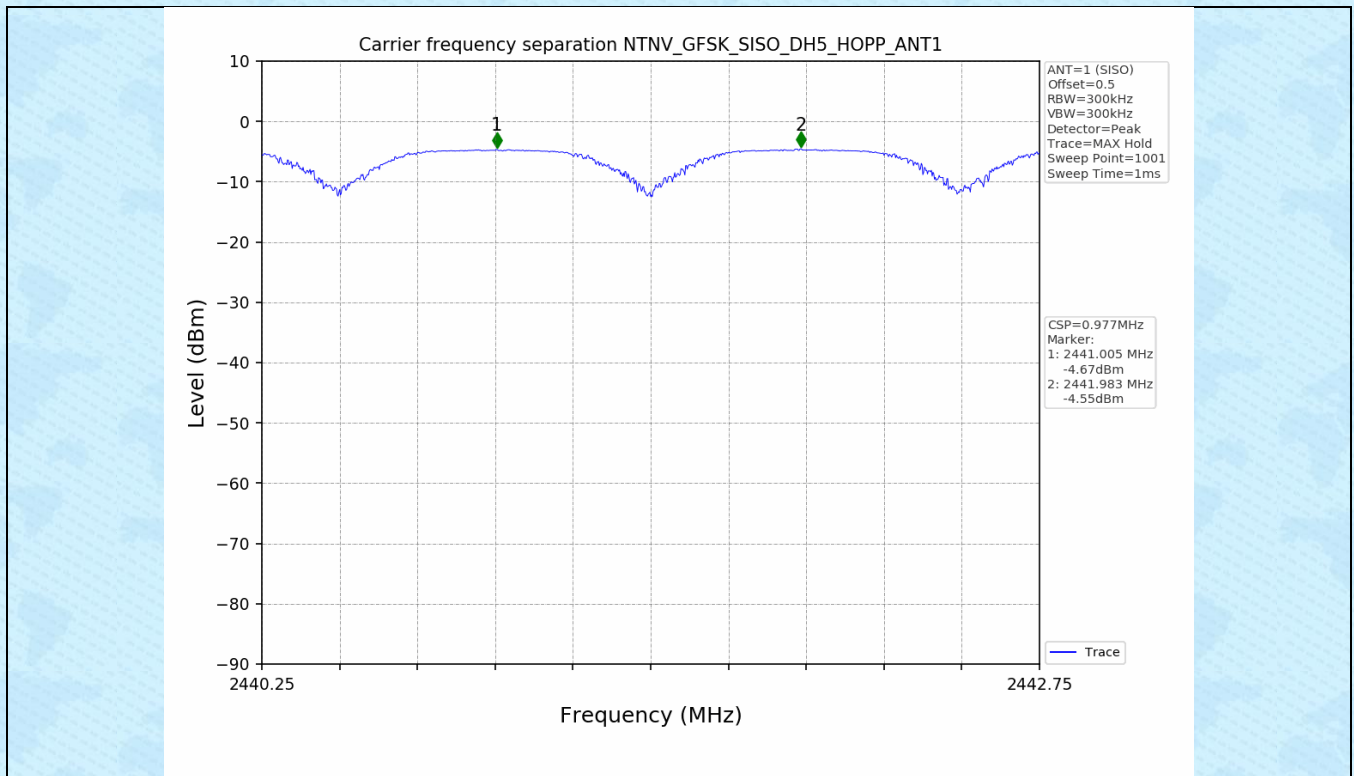


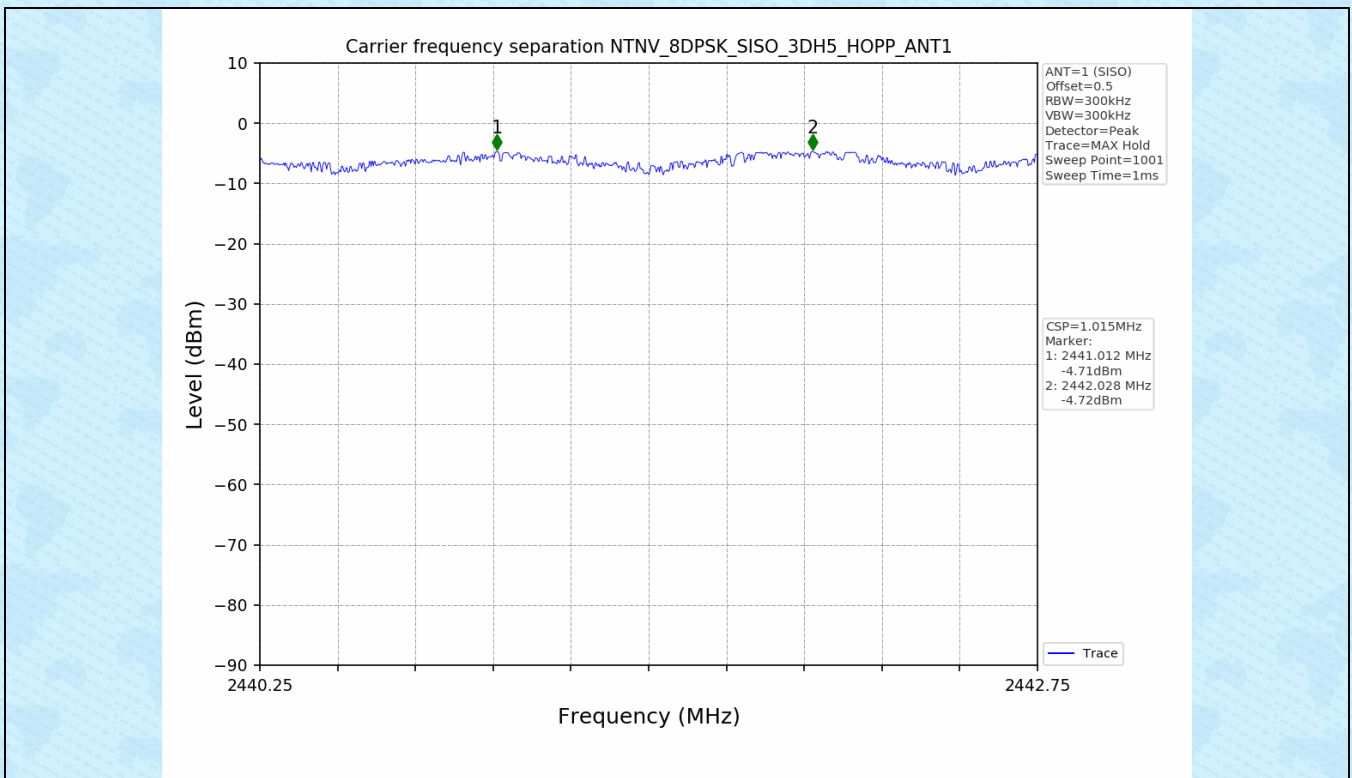
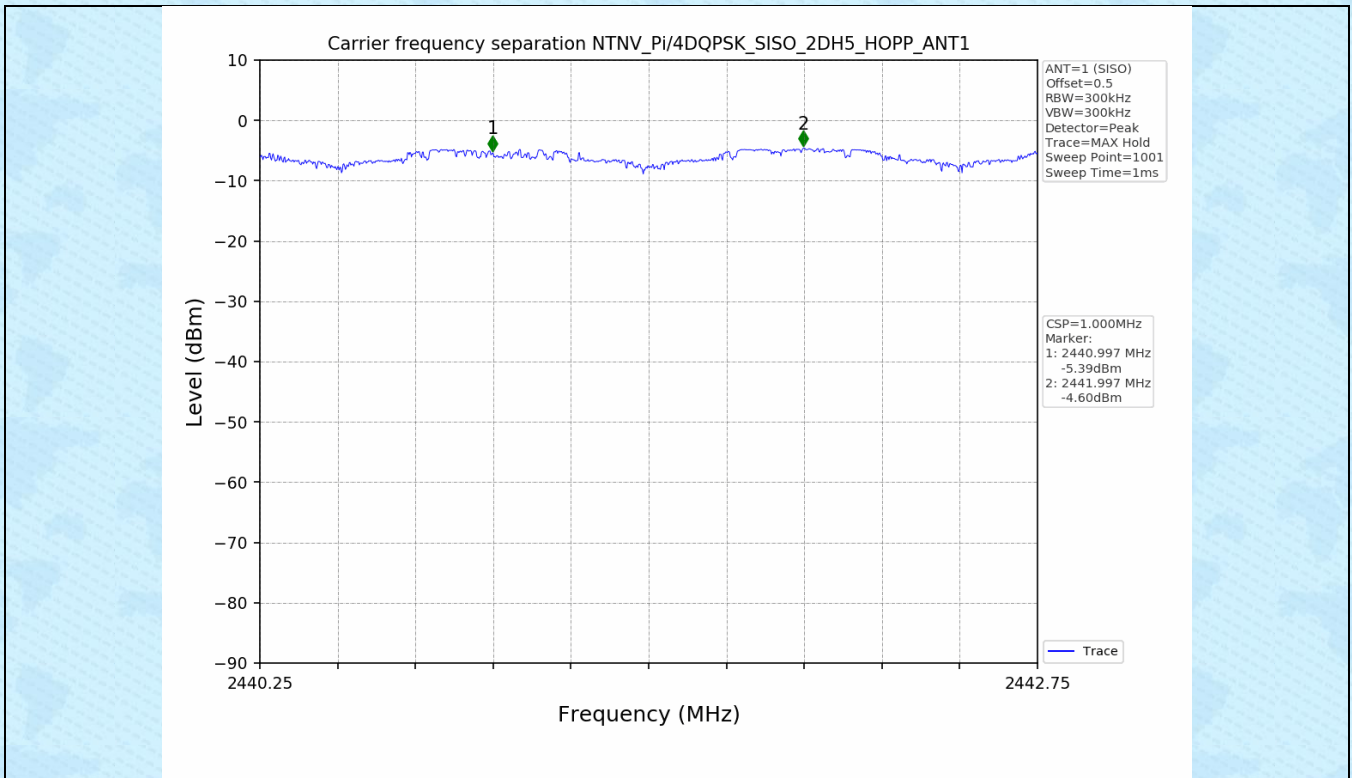
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	0.977	1.078	≥0.719	PASS
$\pi/4$ -DQPSK	SISO	1	1.000	1.385	≥0.923	PASS
8-DPSK	SISO	1	1.015	1.316	≥0.877	PASS

3.2 Test Graph



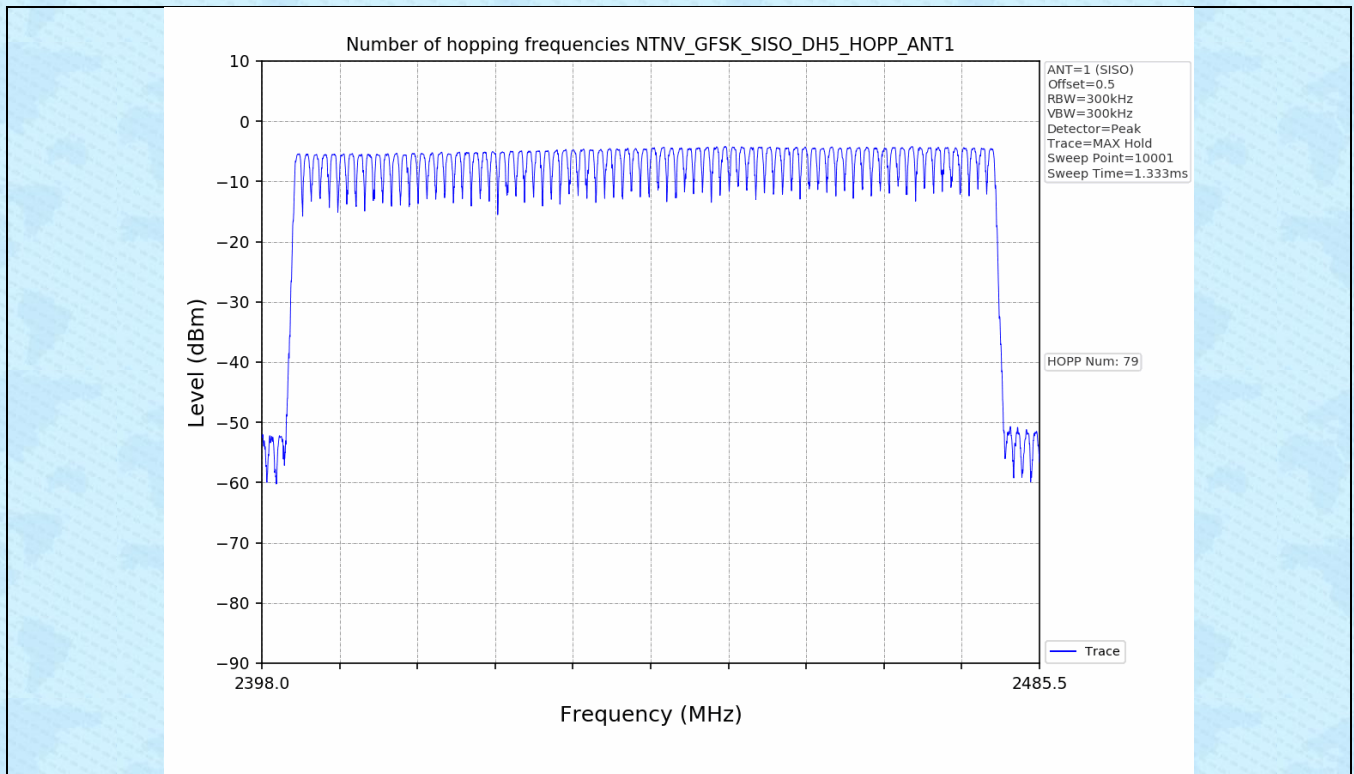


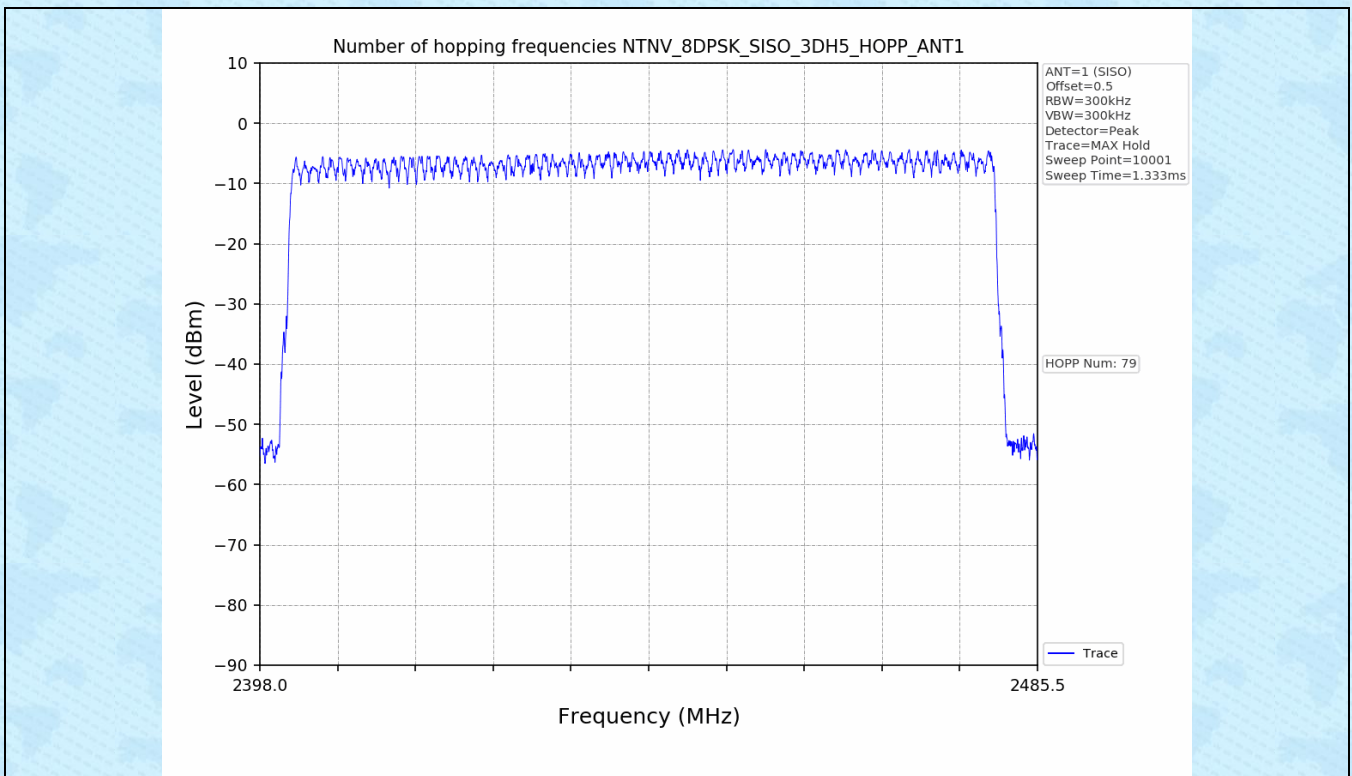
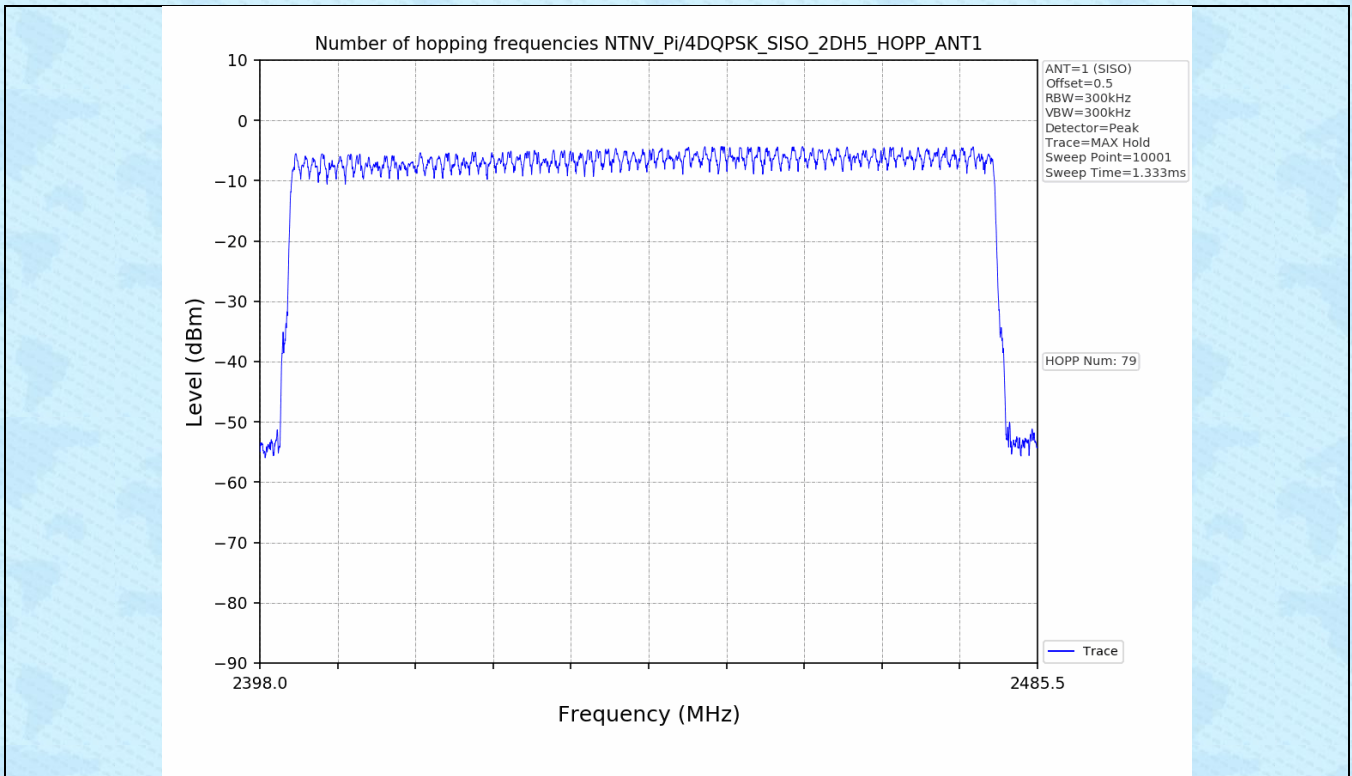
4. Number of hopping frequencies

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



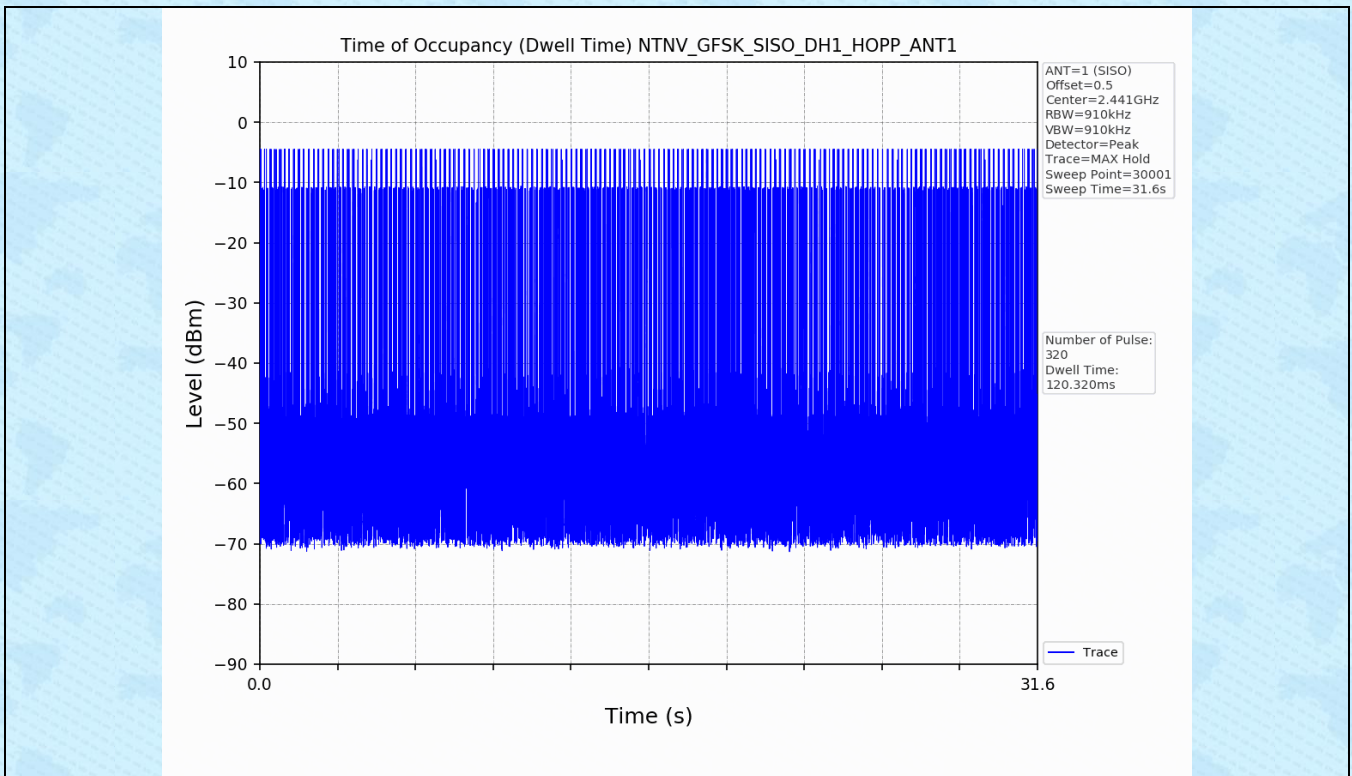
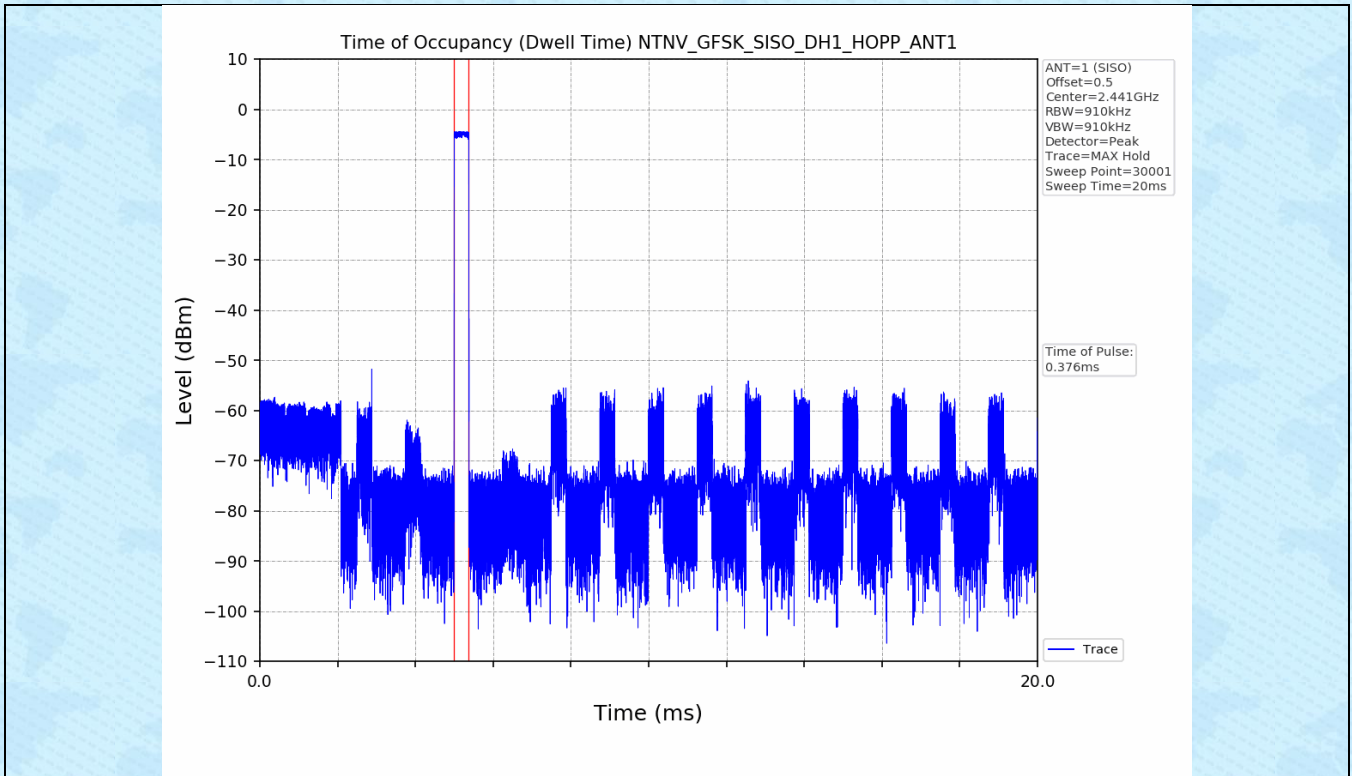


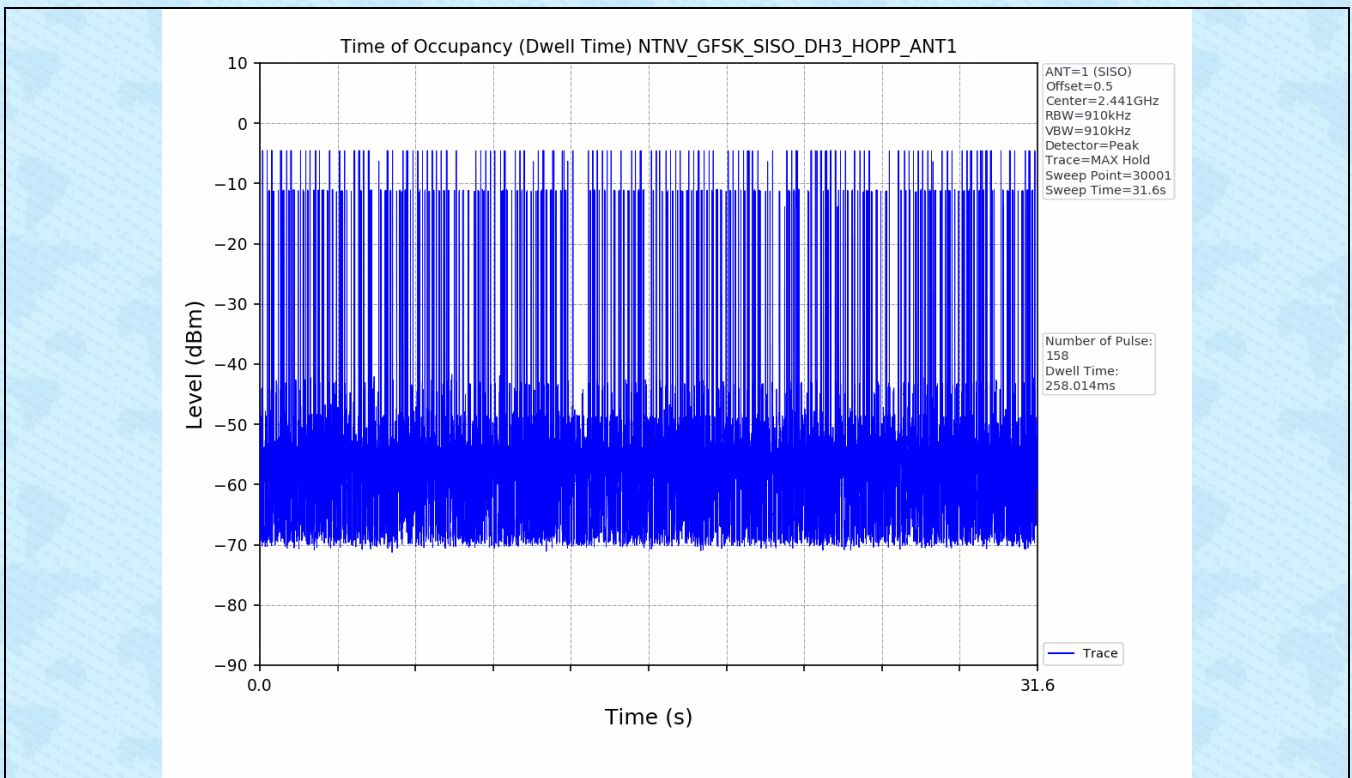
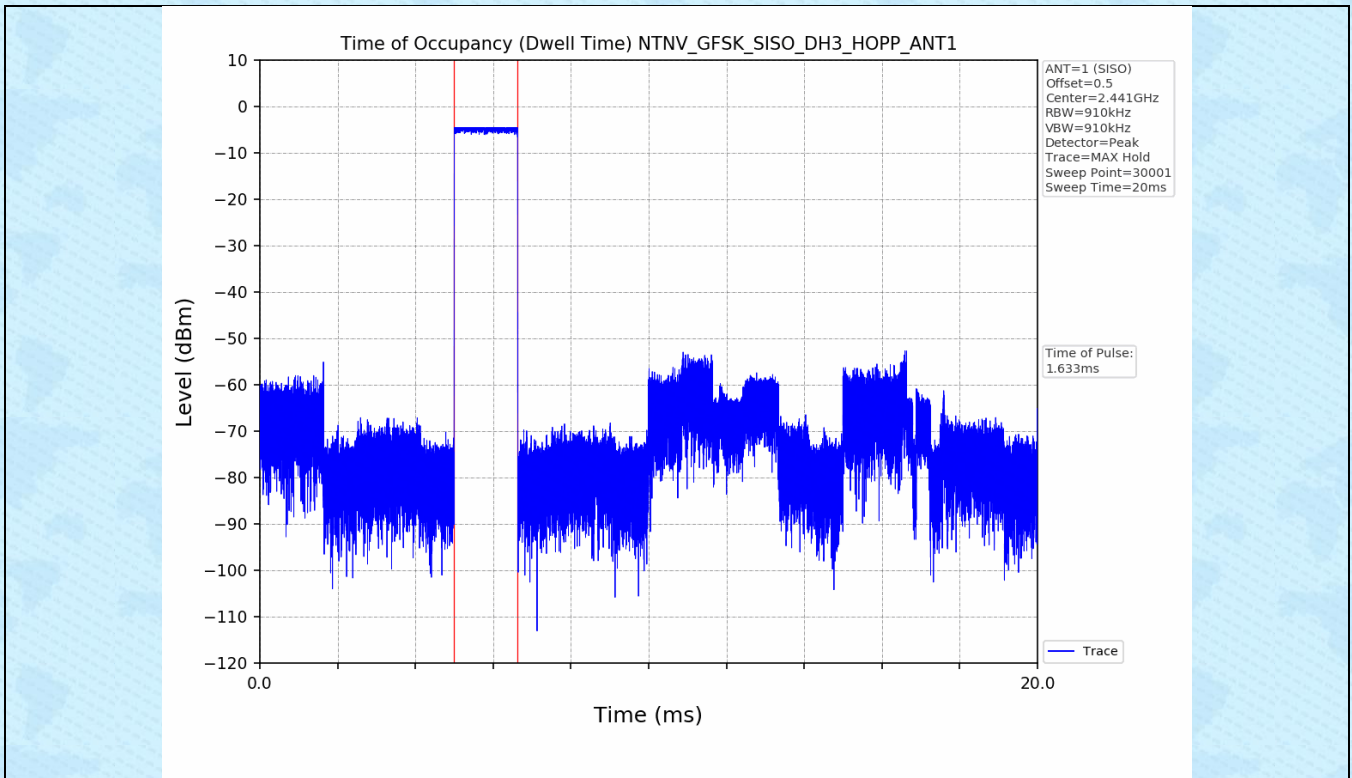
5. Time of Occupancy (Dwell Time)

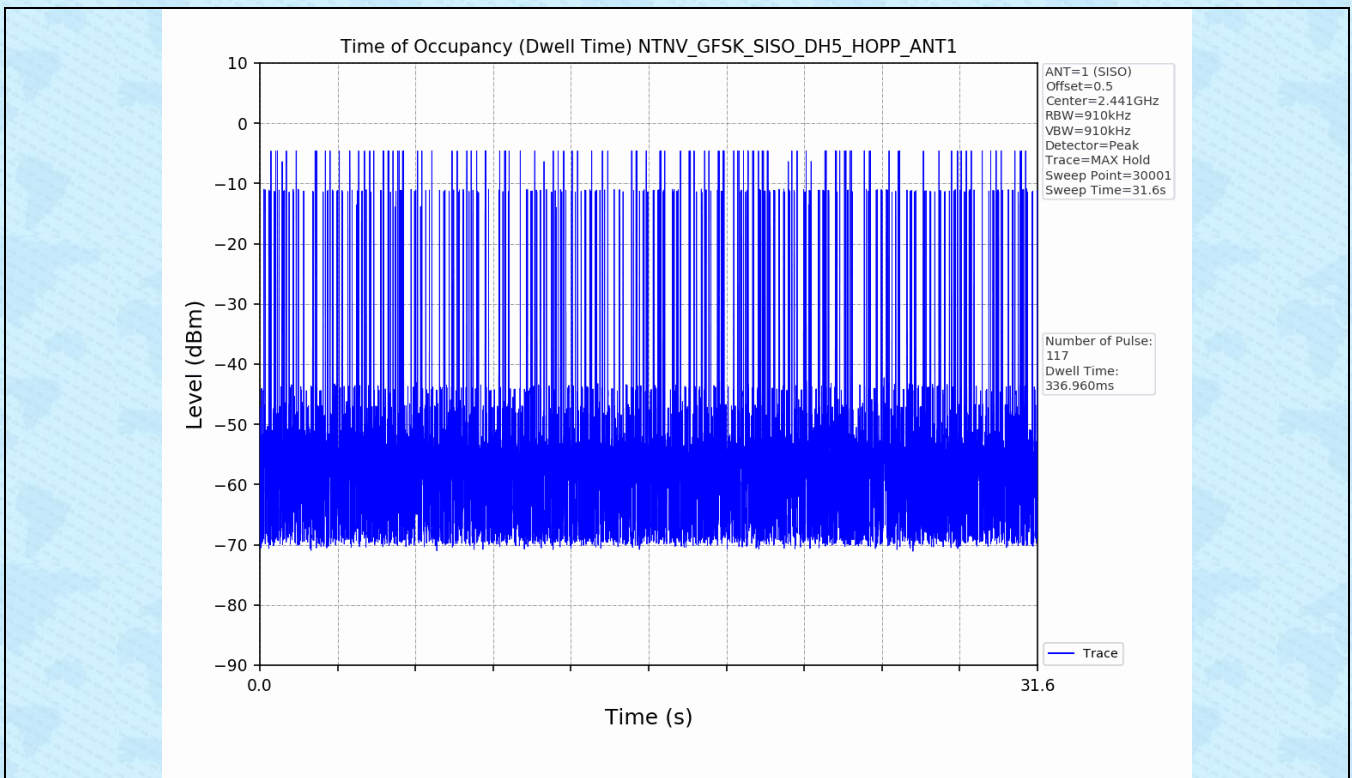
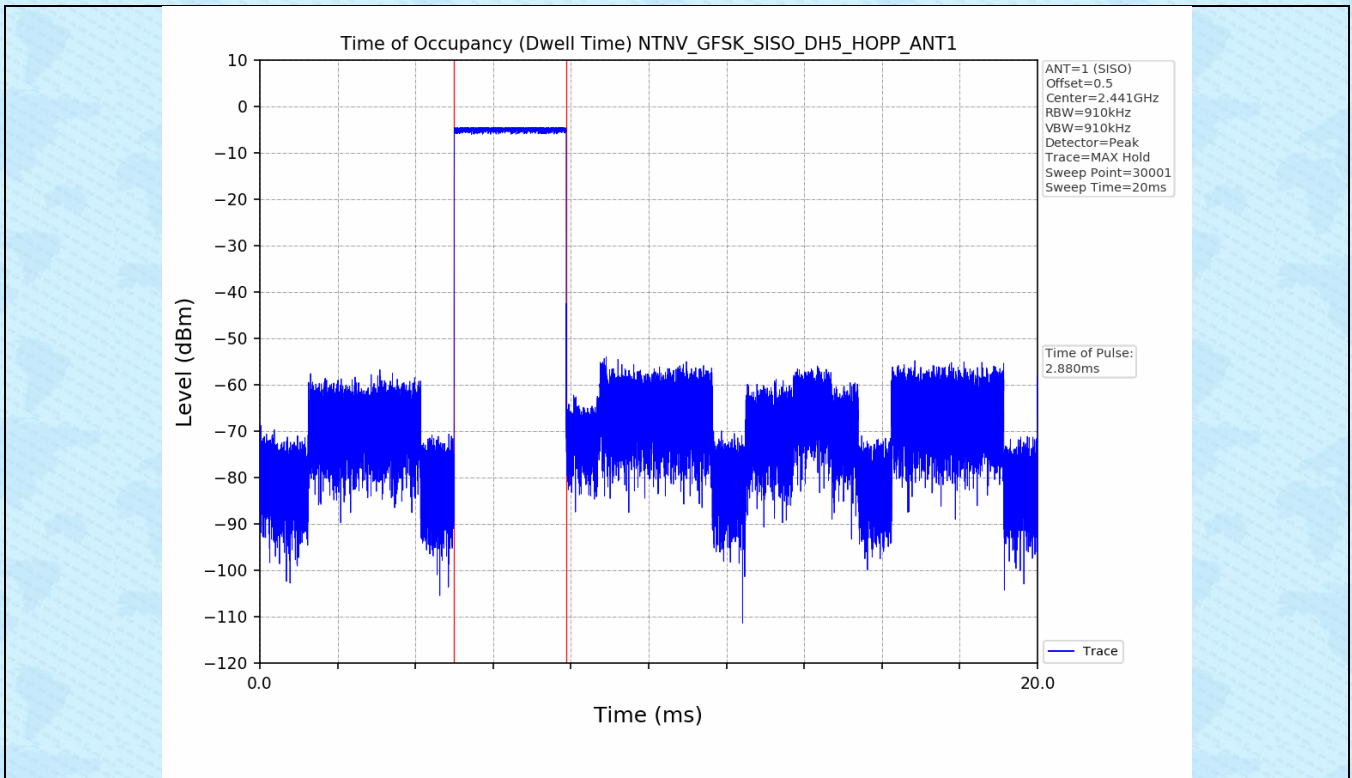
5.1 Test Result

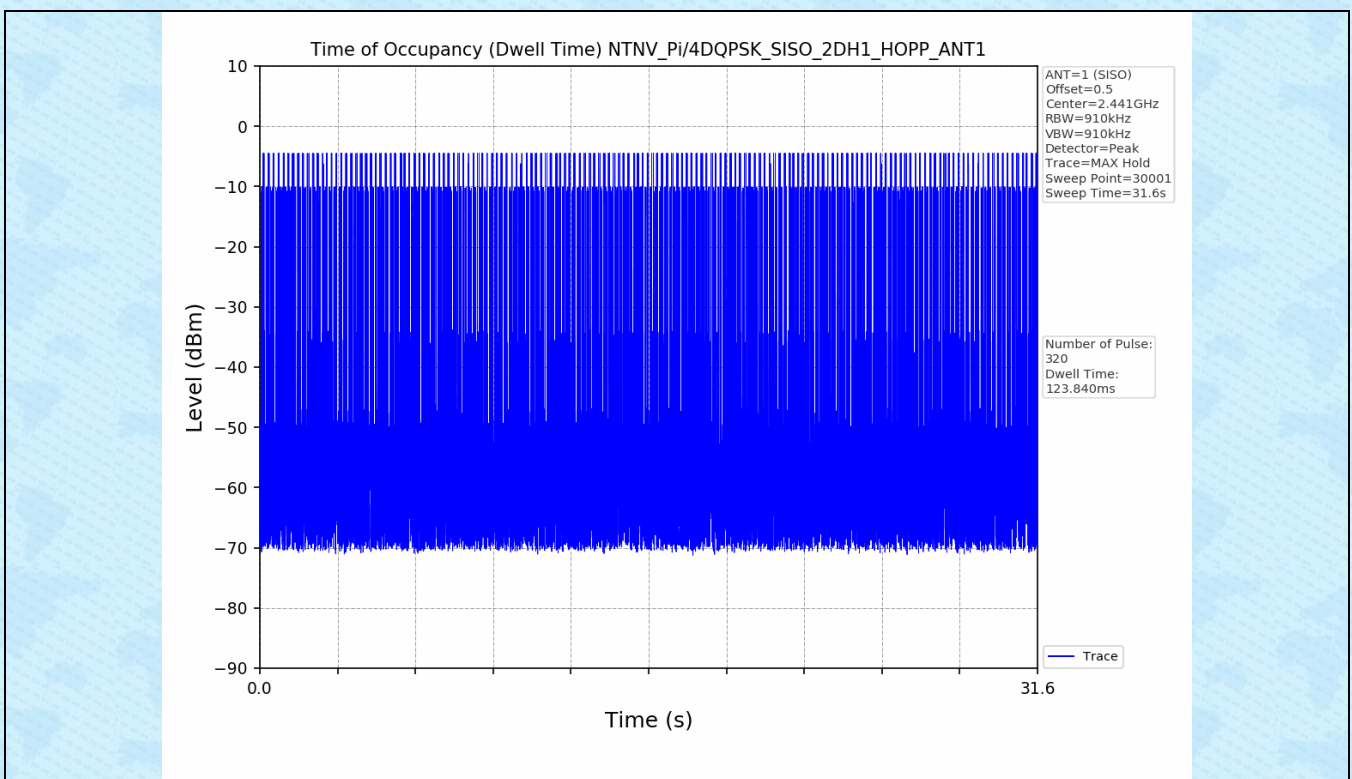
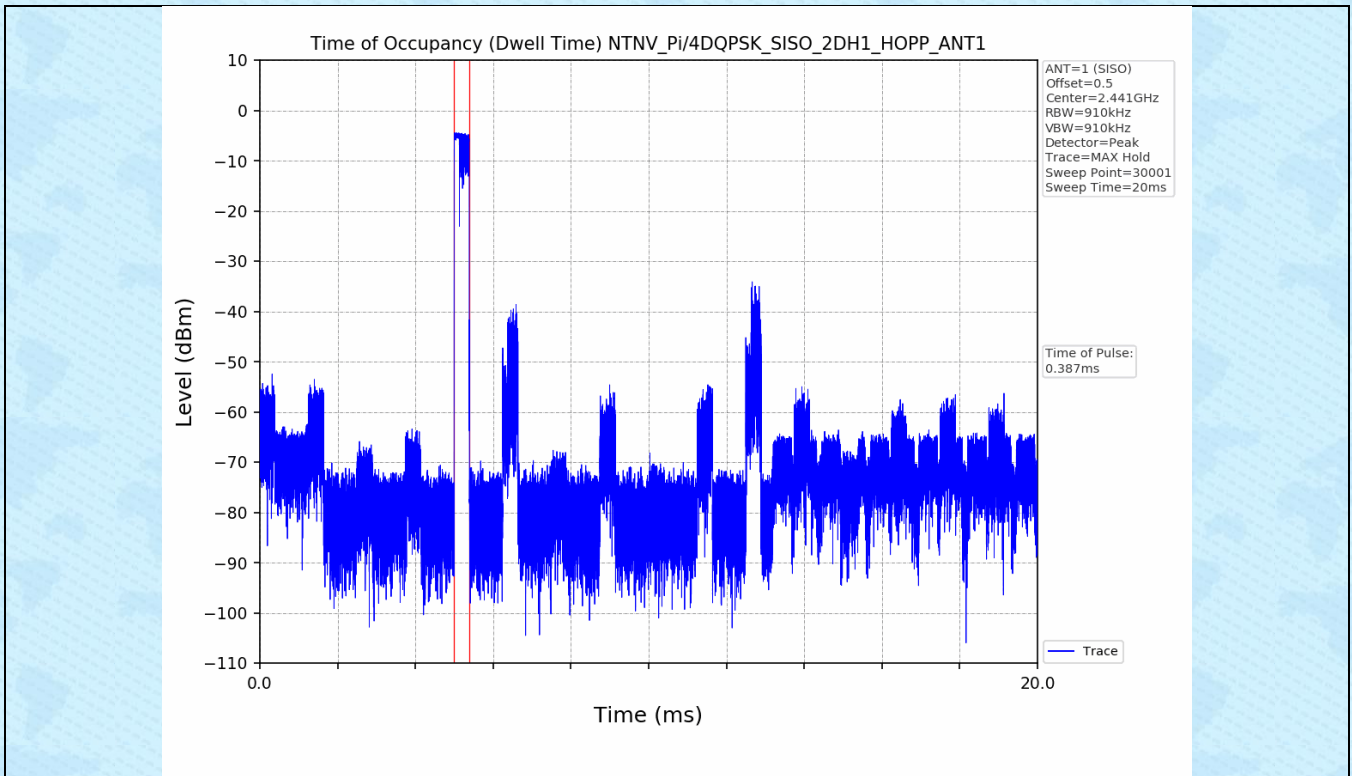
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.376	31.6	320	120.320	≤400	PASS
	DH3	SISO	1	1.633	31.6	158	258.014	≤400	PASS
	DH5	SISO	1	2.880	31.6	117	336.960	≤400	PASS
π/4-DQPSK	2DH1	SISO	1	0.387	31.6	320	123.840	≤400	PASS
	2DH3	SISO	1	1.639	31.6	156	255.684	≤400	PASS
	2DH5	SISO	1	2.887	31.6	115	332.005	≤400	PASS
8-DPSK	3DH1	SISO	1	0.389	31.6	320	124.480	≤400	PASS
	3DH3	SISO	1	1.638	31.6	162	265.356	≤400	PASS
	3DH5	SISO	1	2.889	31.6	109	314.901	≤400	PASS

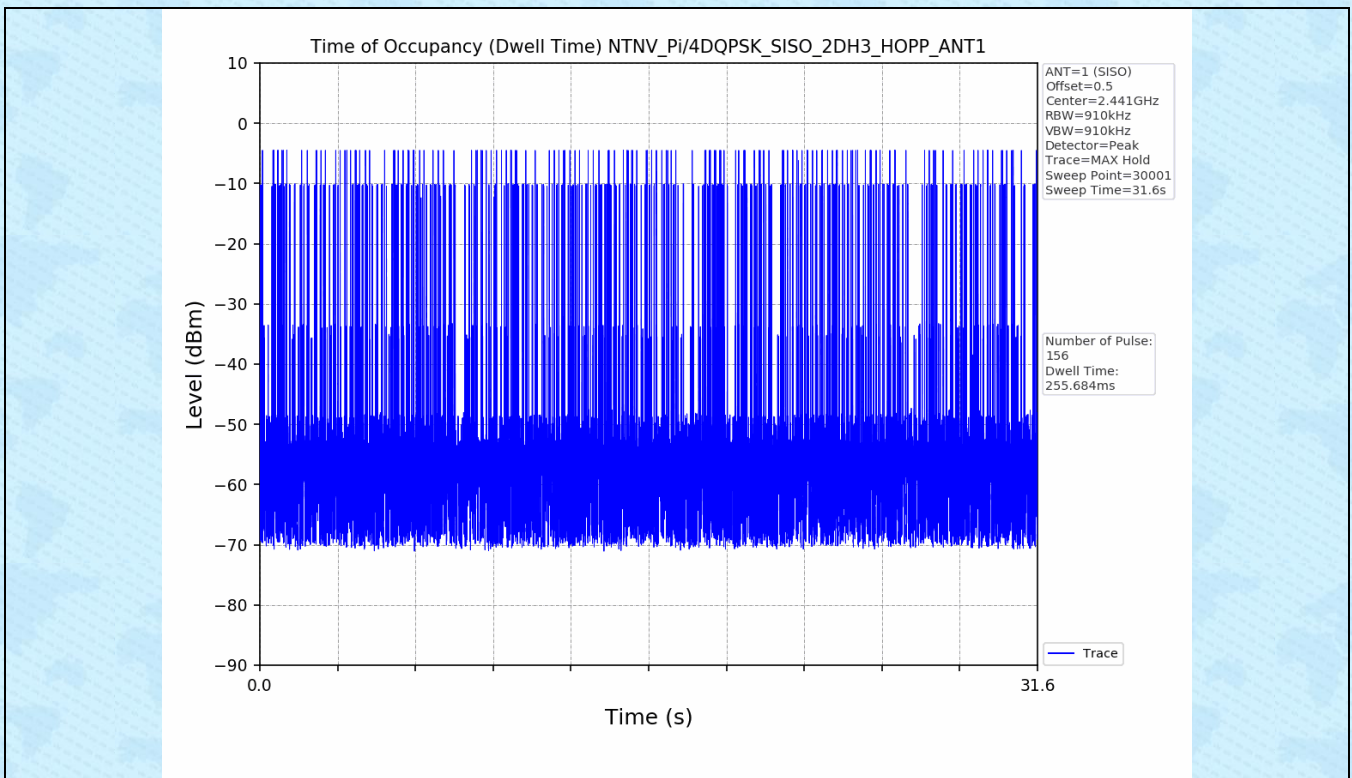
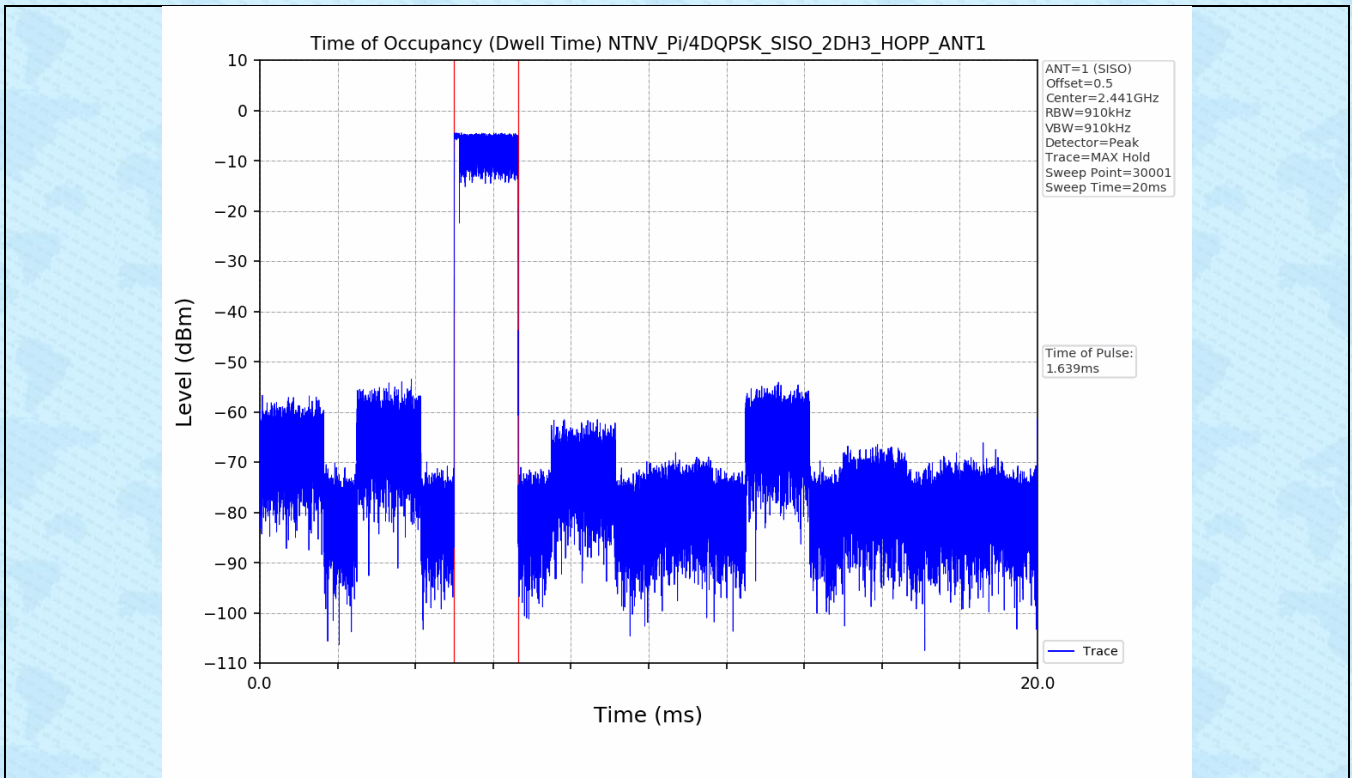
5.2 Test Graph

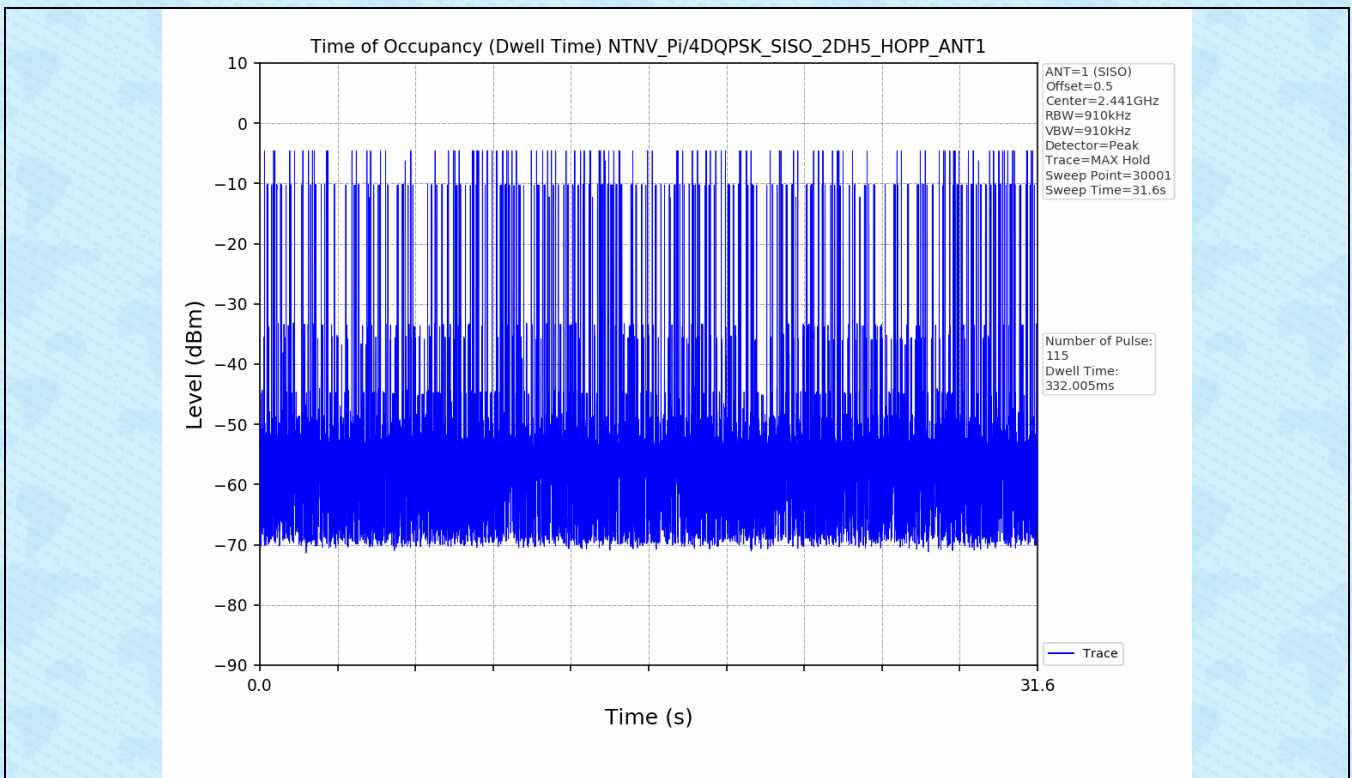
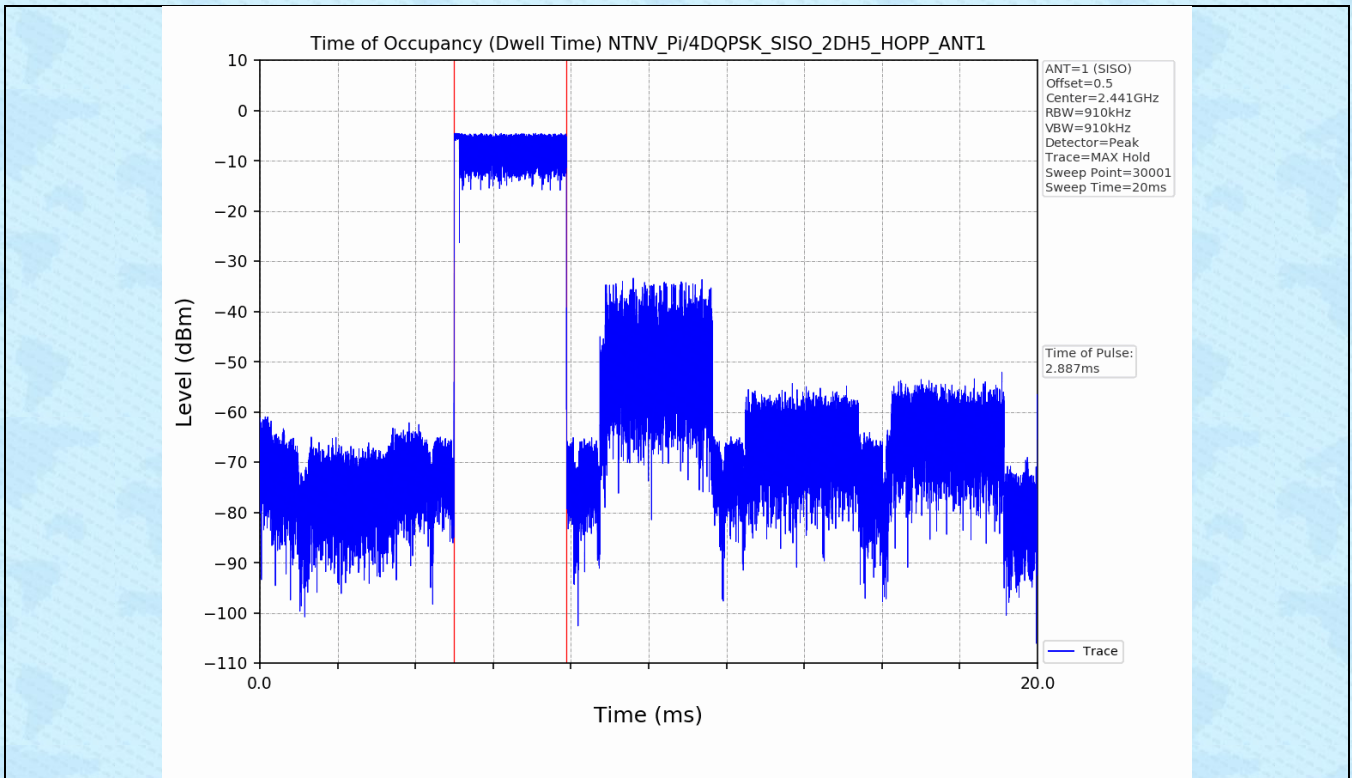


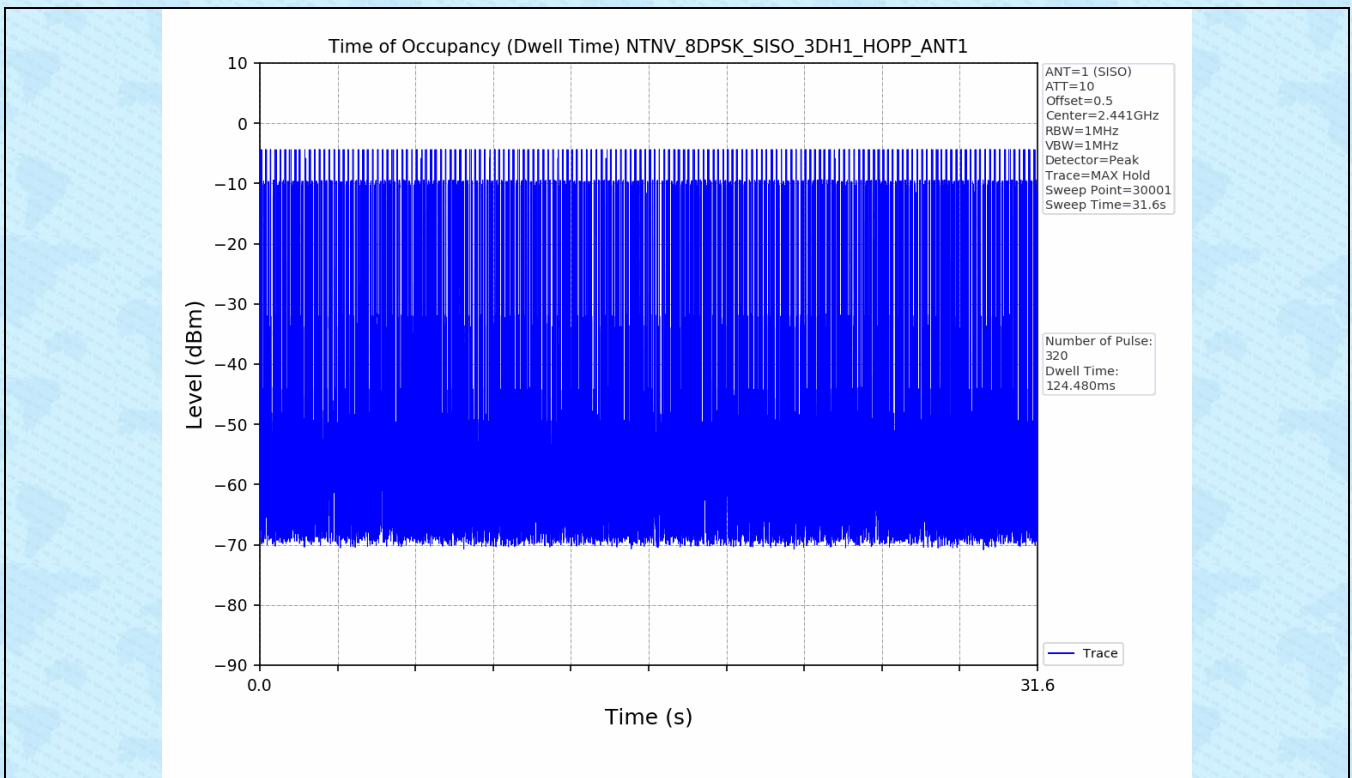
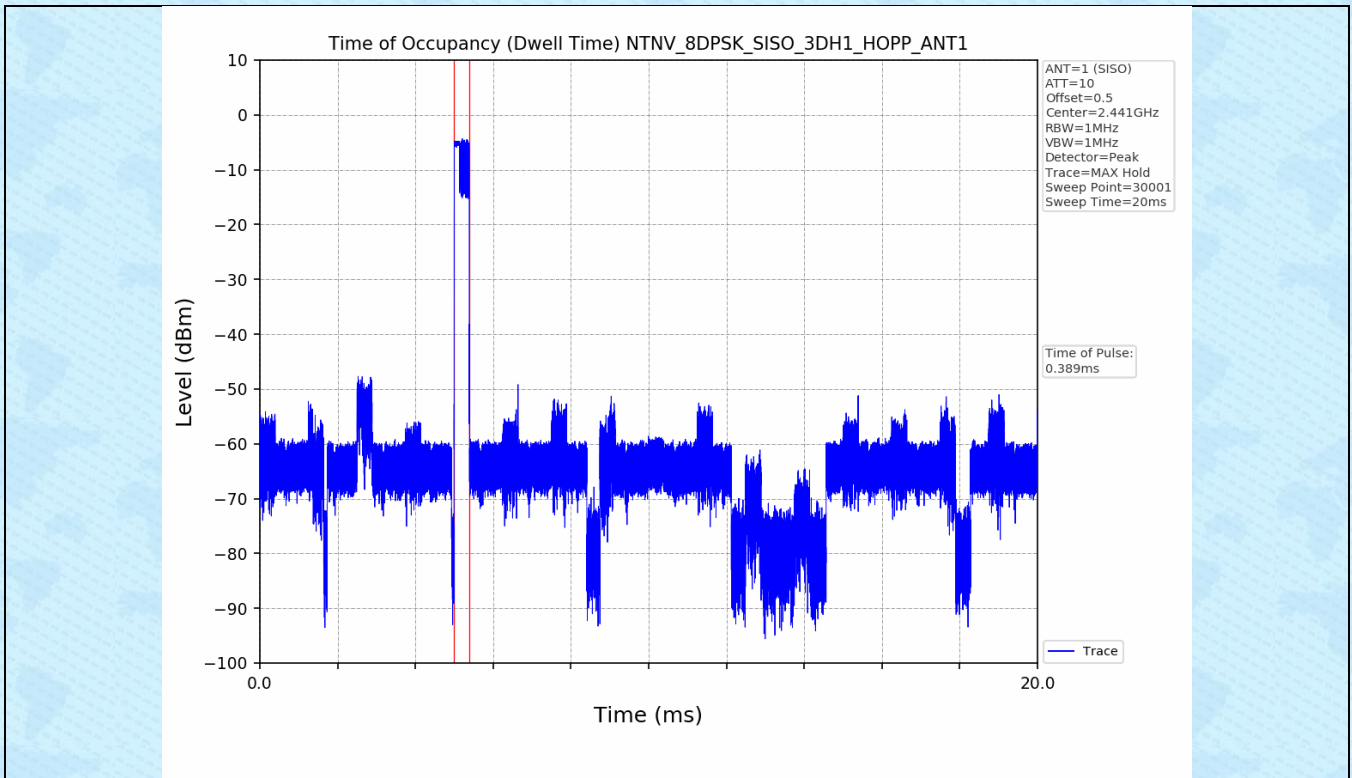


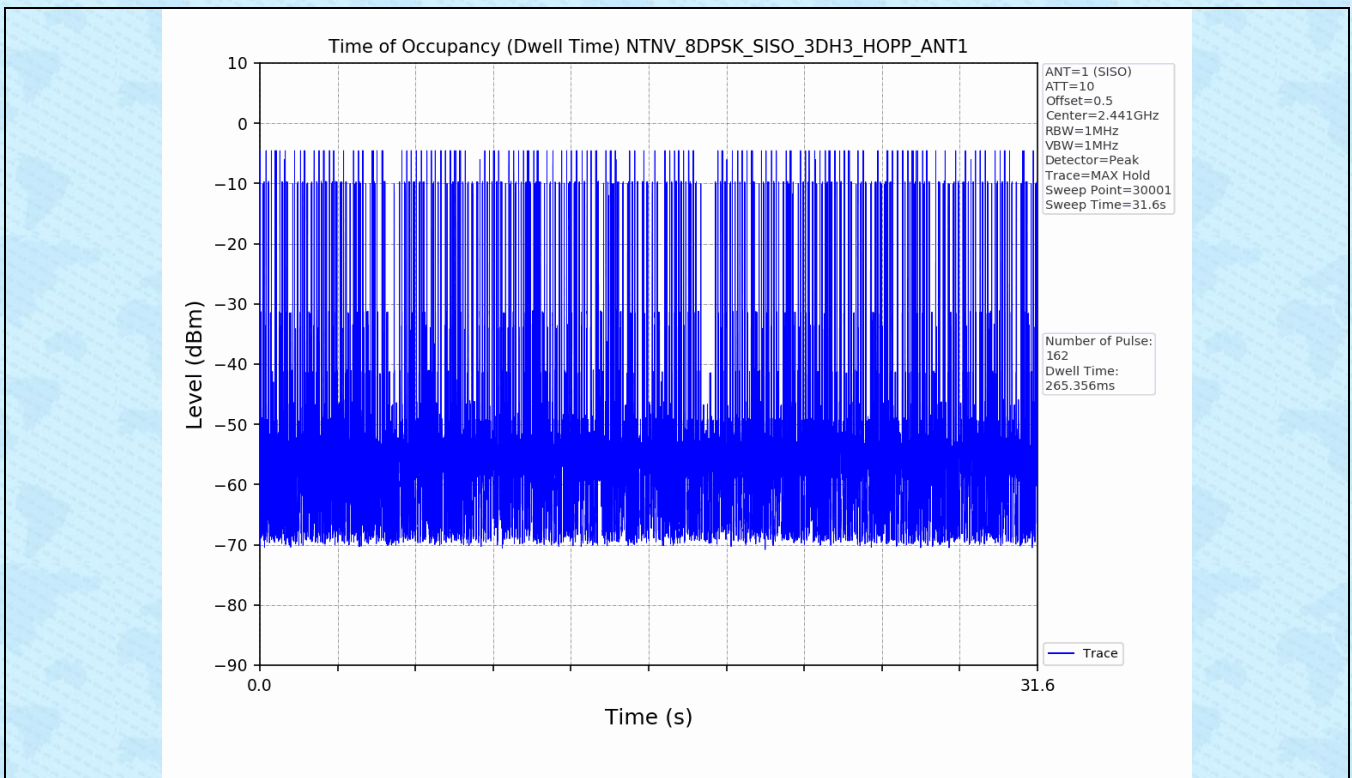
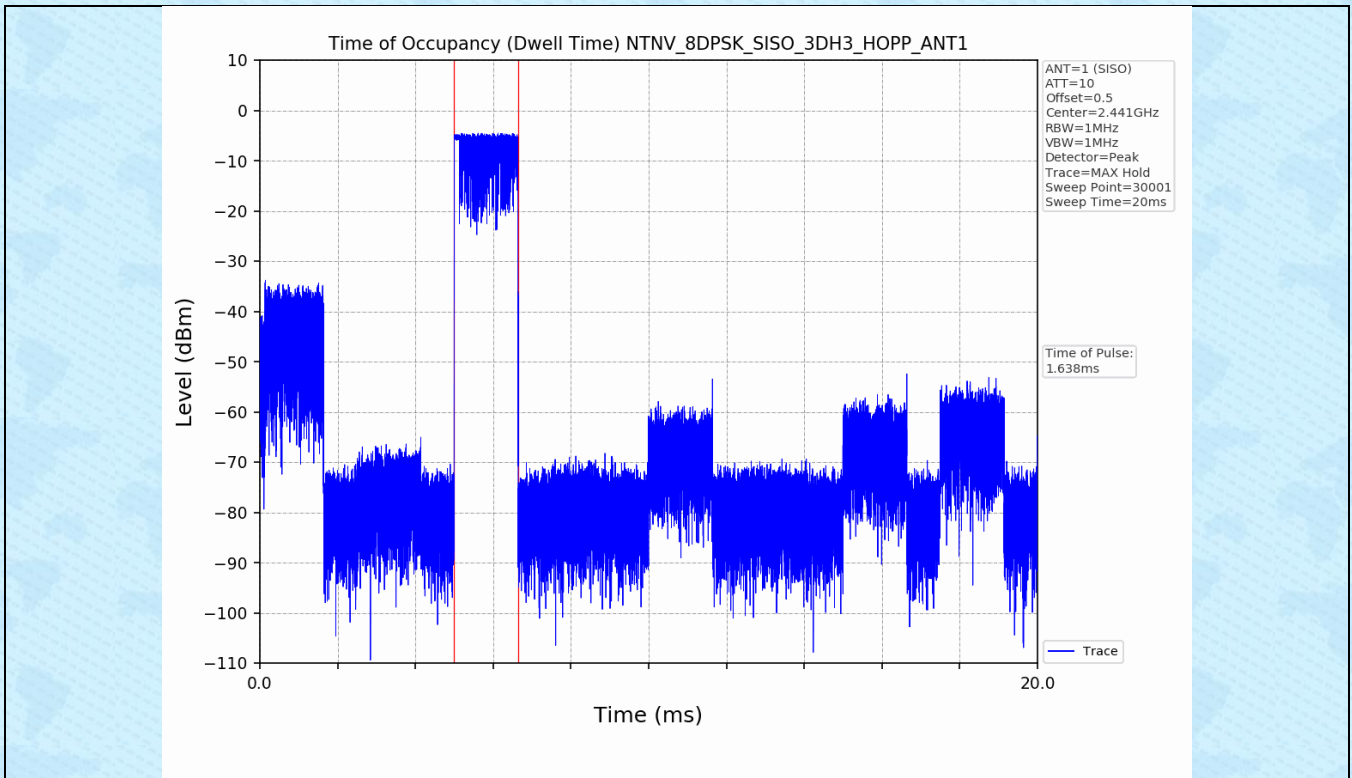


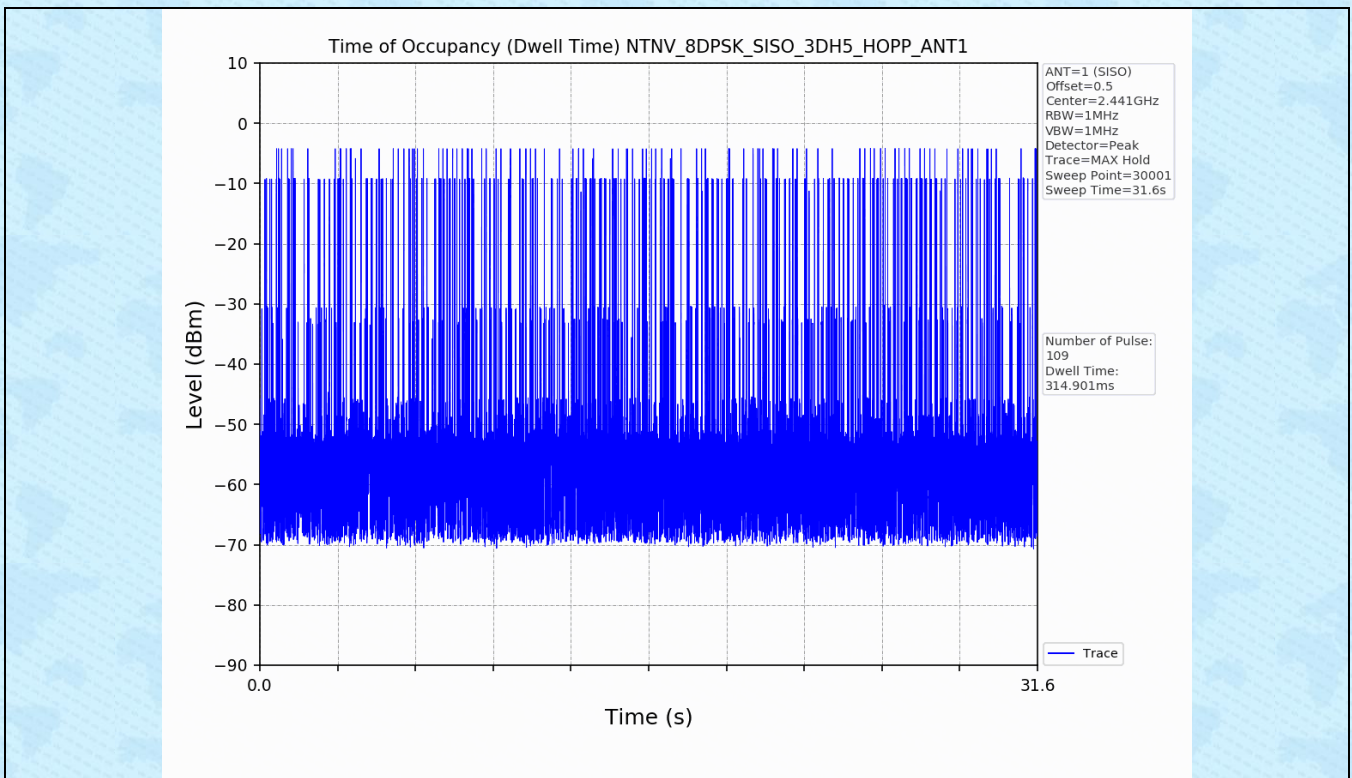
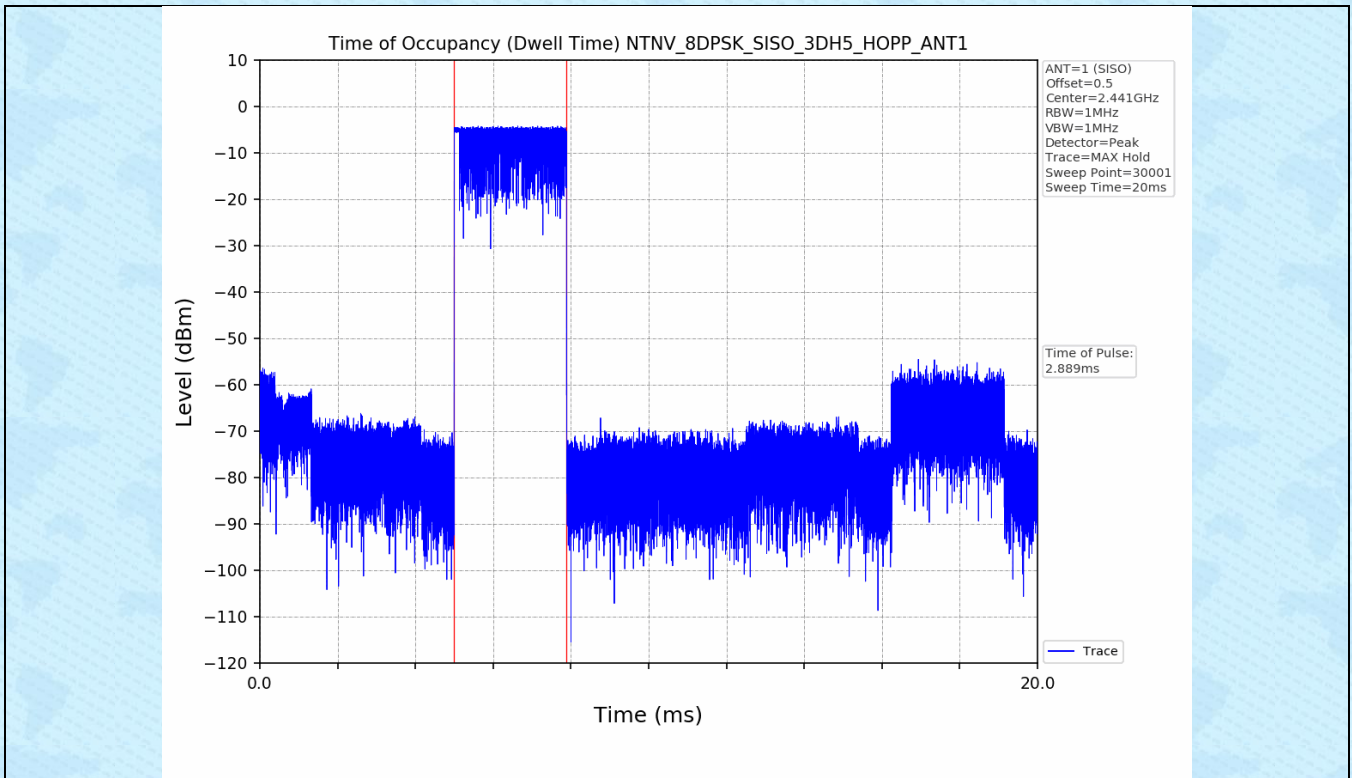










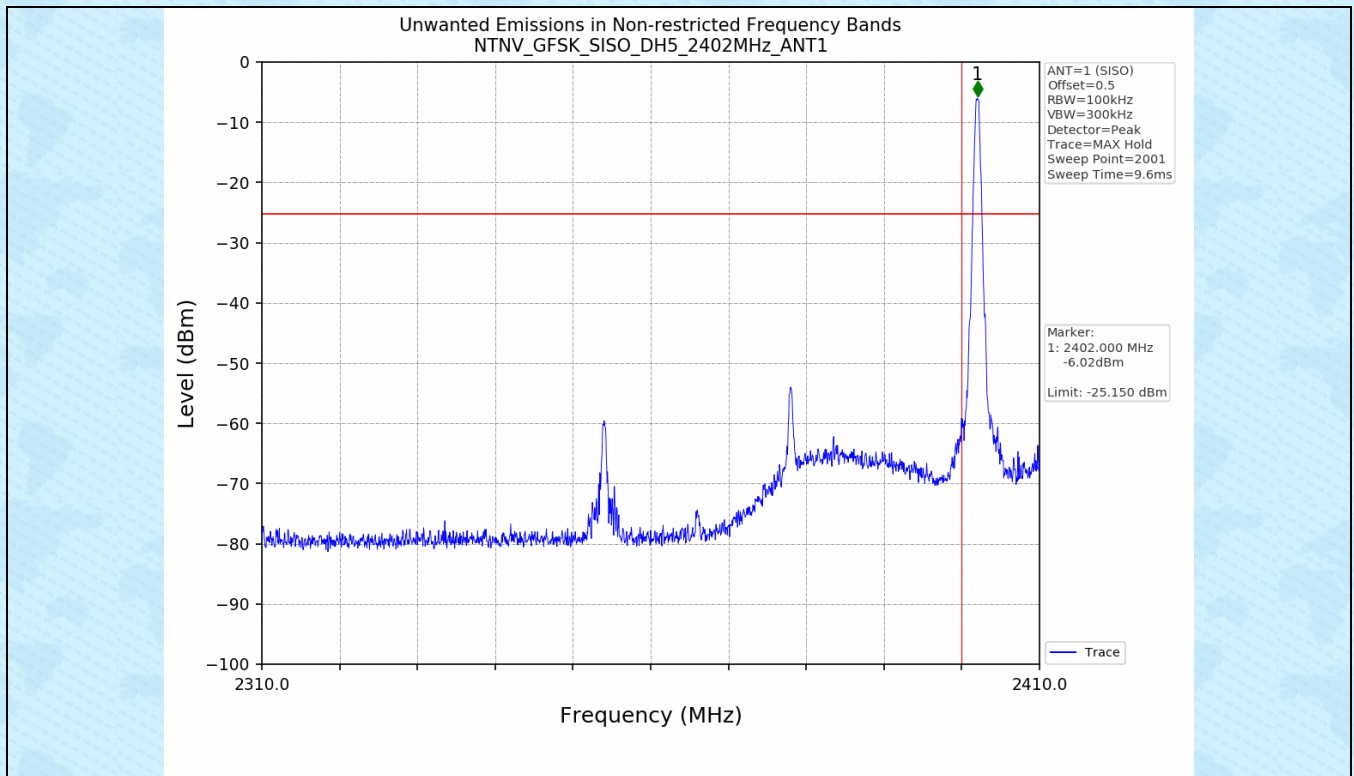
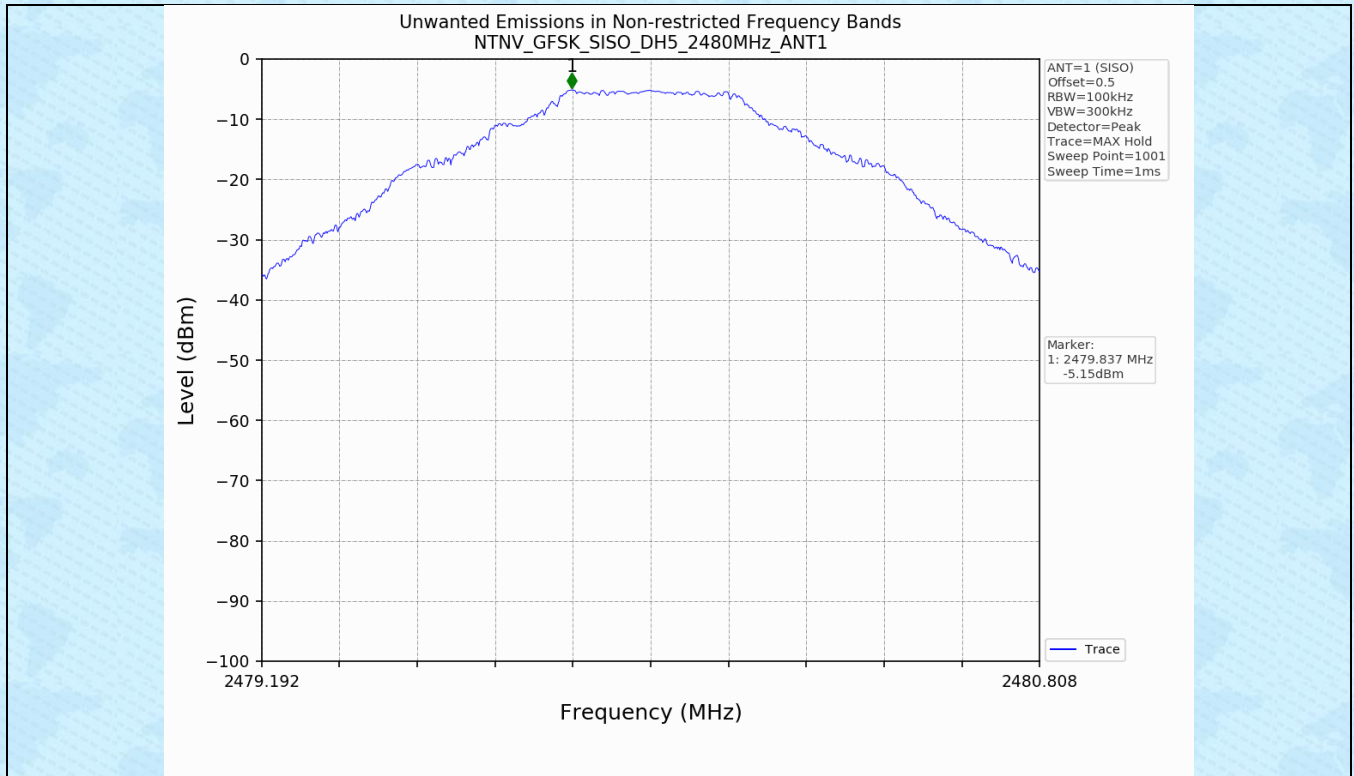


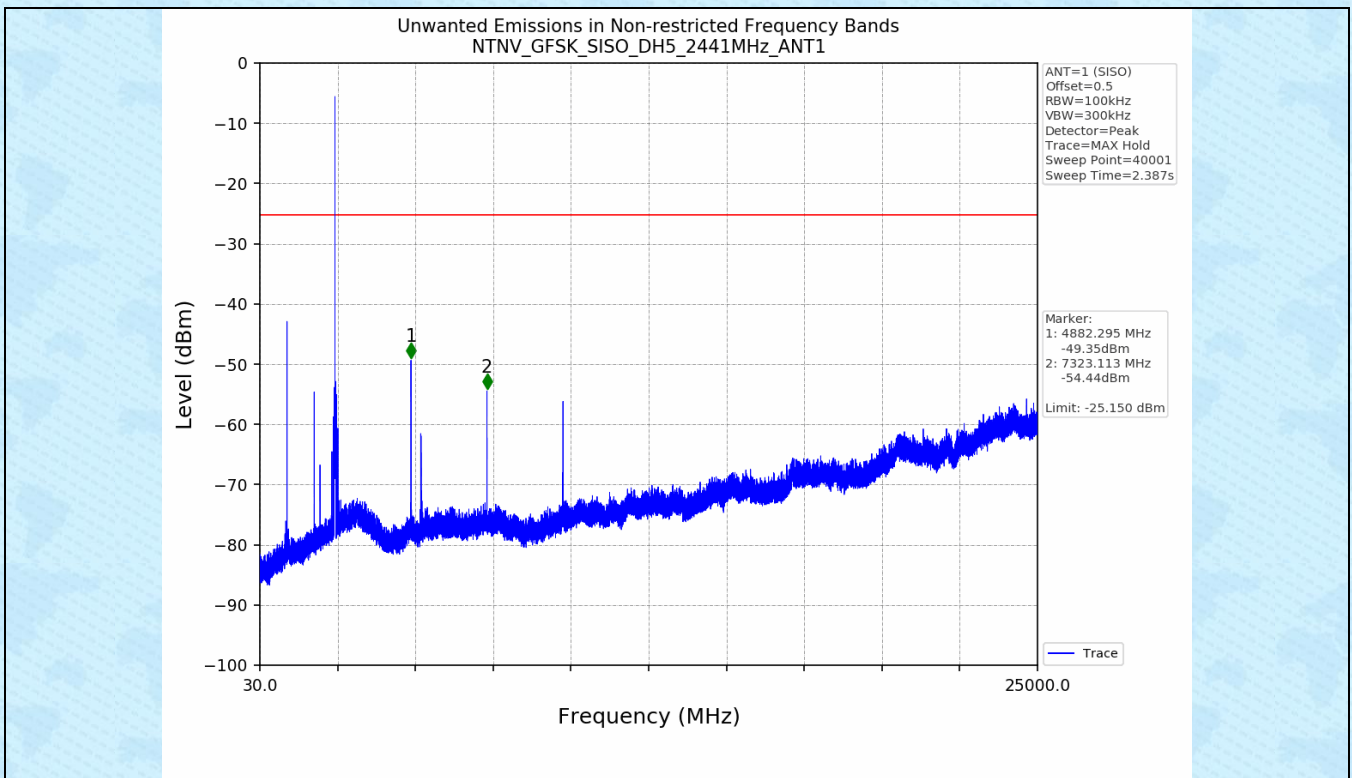
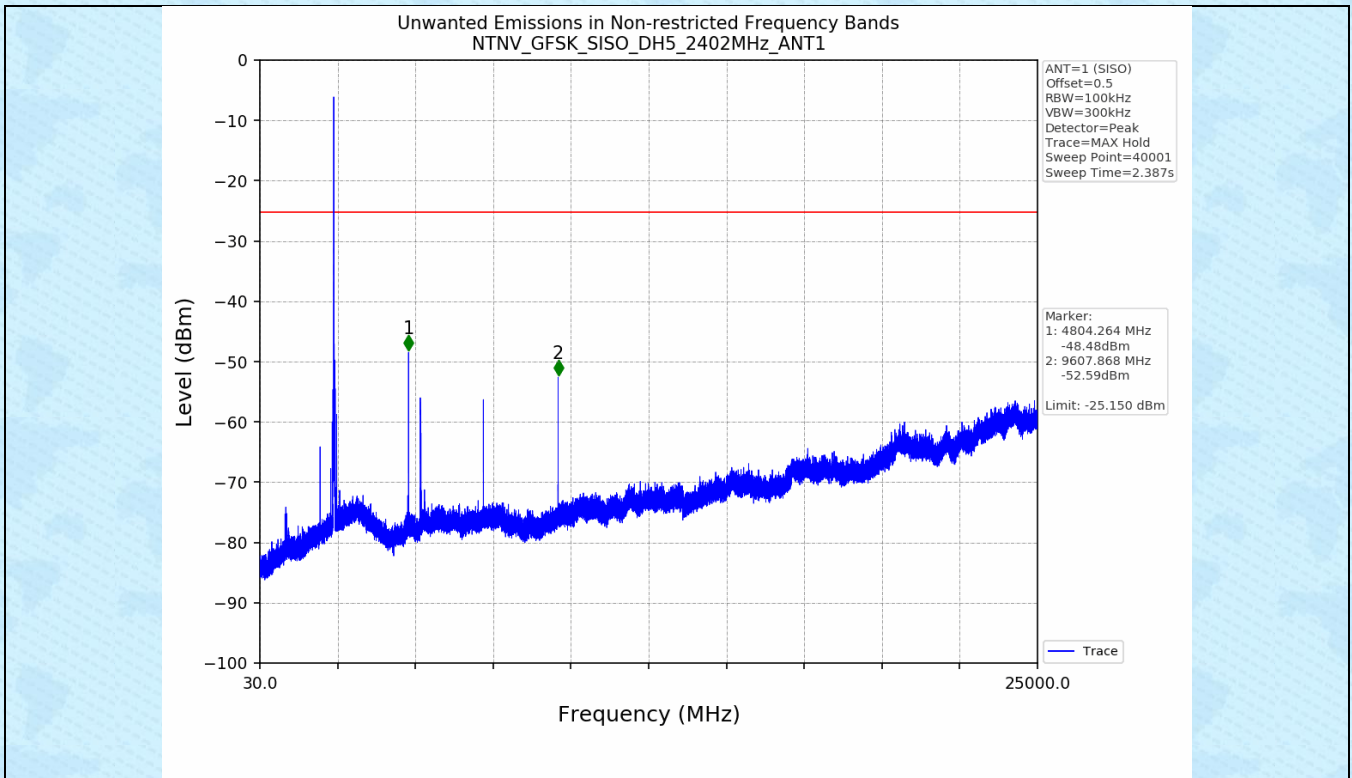
6. Unwanted Emissions in Non-restricted Frequency Bands

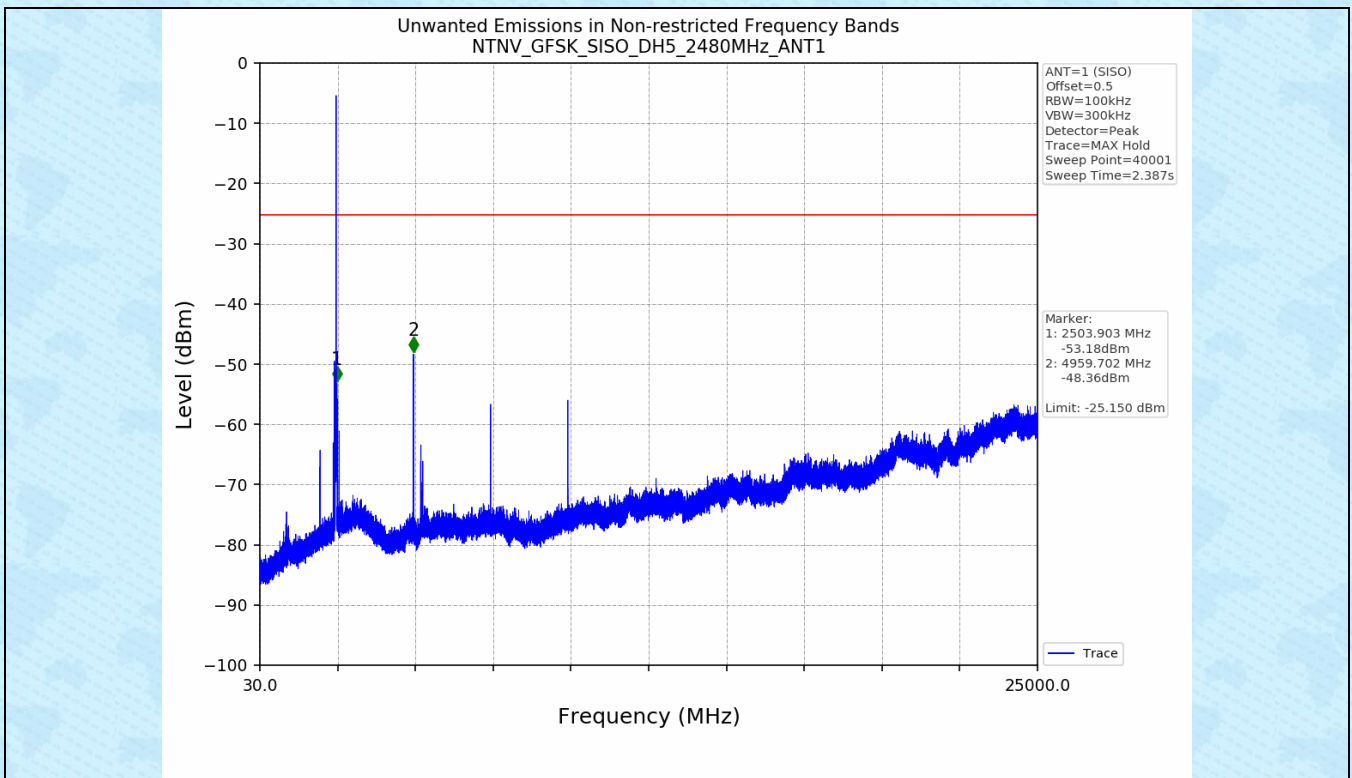
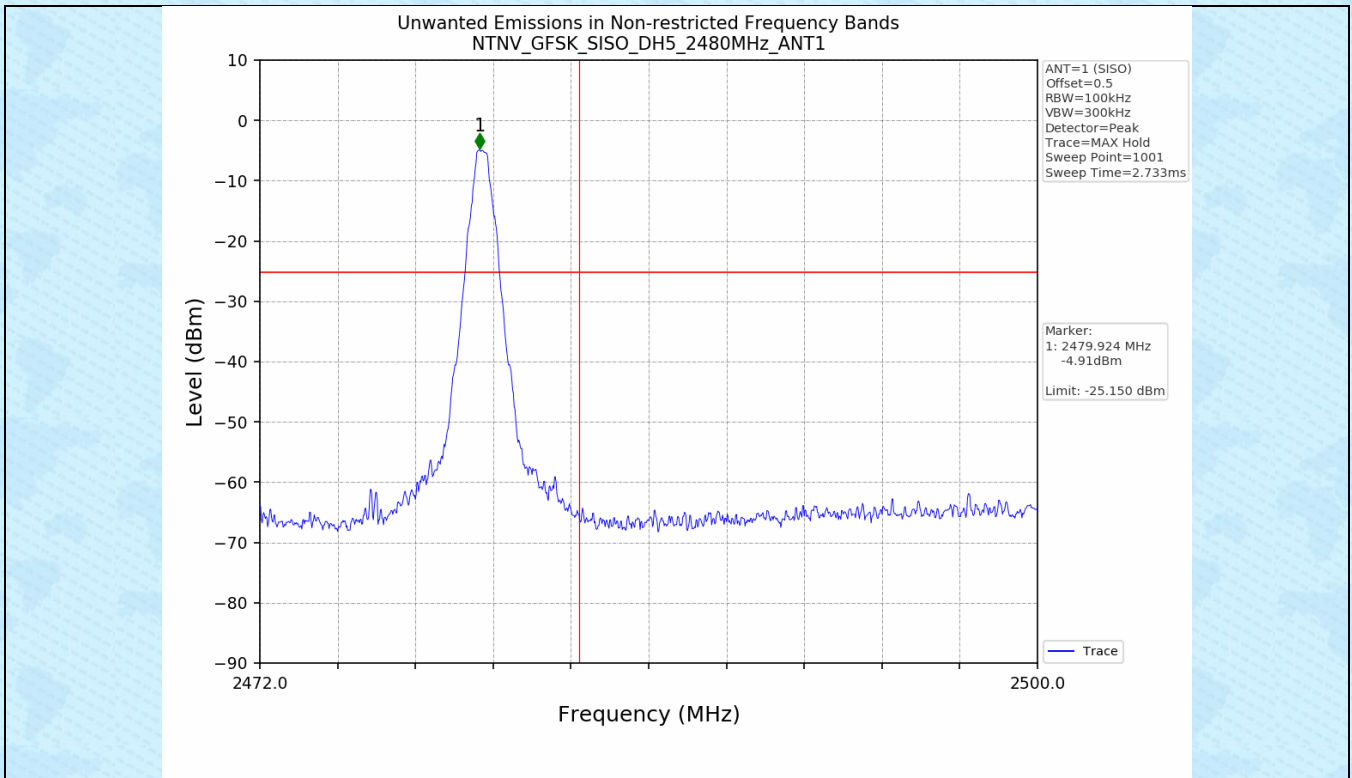
6.1 Test Result

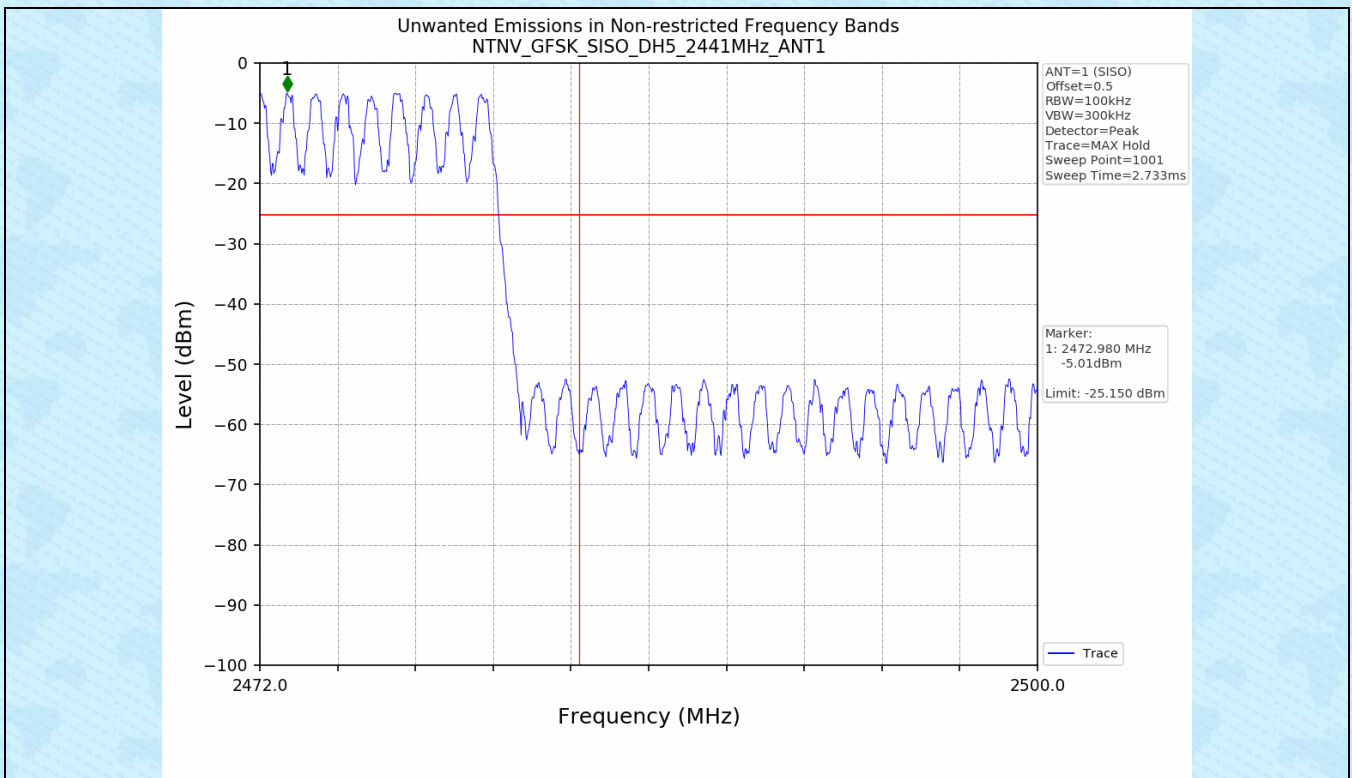
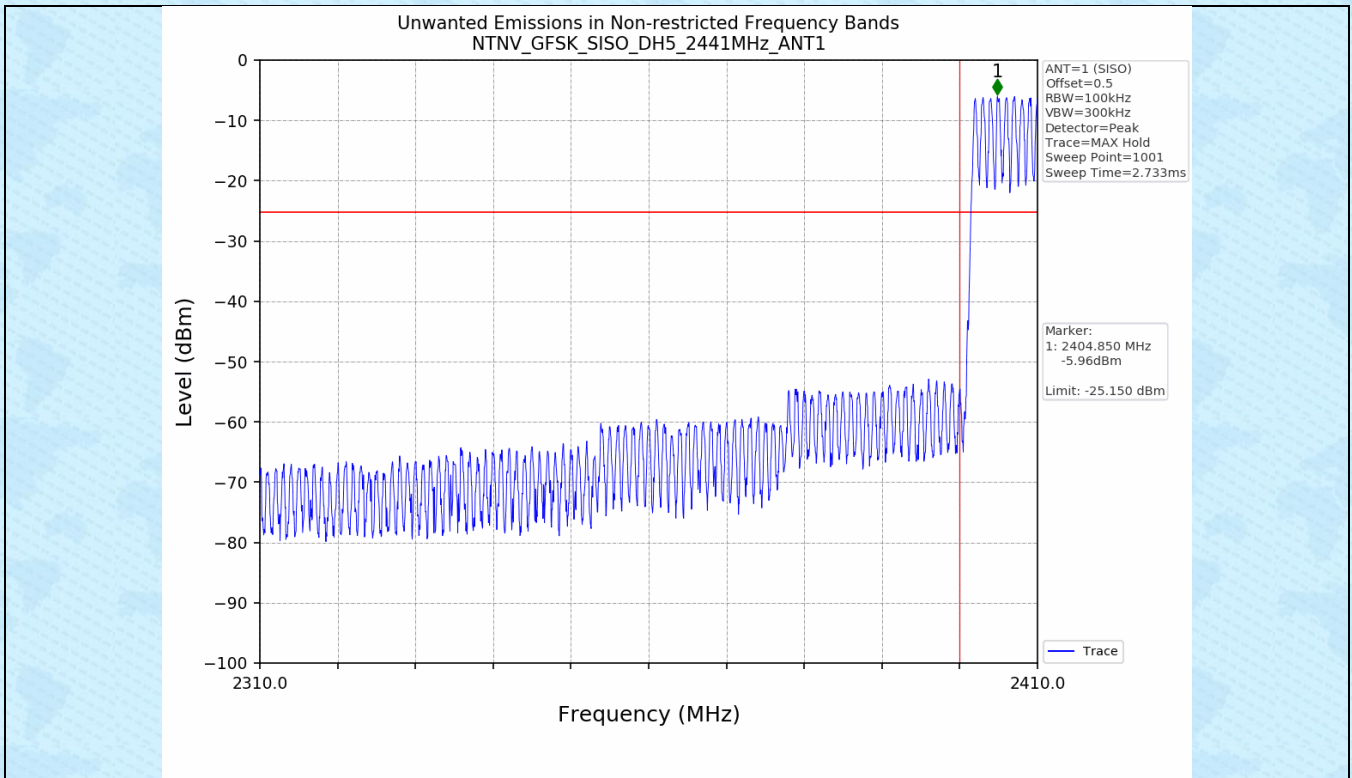
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-25.15	PASS
	2441	SISO	1	Refer to test graph	-25.15	PASS
	2480	SISO	1	Refer to test graph	-25.15	PASS
	Hopping	SISO	1	Refer to test graph	-25.15	PASS
$\pi/4$ -DQPSK	2402	SISO	1	Refer to test graph	-25.15	PASS
	2441	SISO	1	Refer to test graph	-25.15	PASS
	2480	SISO	1	Refer to test graph	-25.15	PASS
	Hopping	SISO	1	Refer to test graph	-25.15	PASS
8-DPSK	2402	SISO	1	Refer to test graph	-25.03	PASS
	2441	SISO	1	Refer to test graph	-25.03	PASS
	2480	SISO	1	Refer to test graph	-25.03	PASS
	Hopping	SISO	1	Refer to test graph	-25.03	PASS

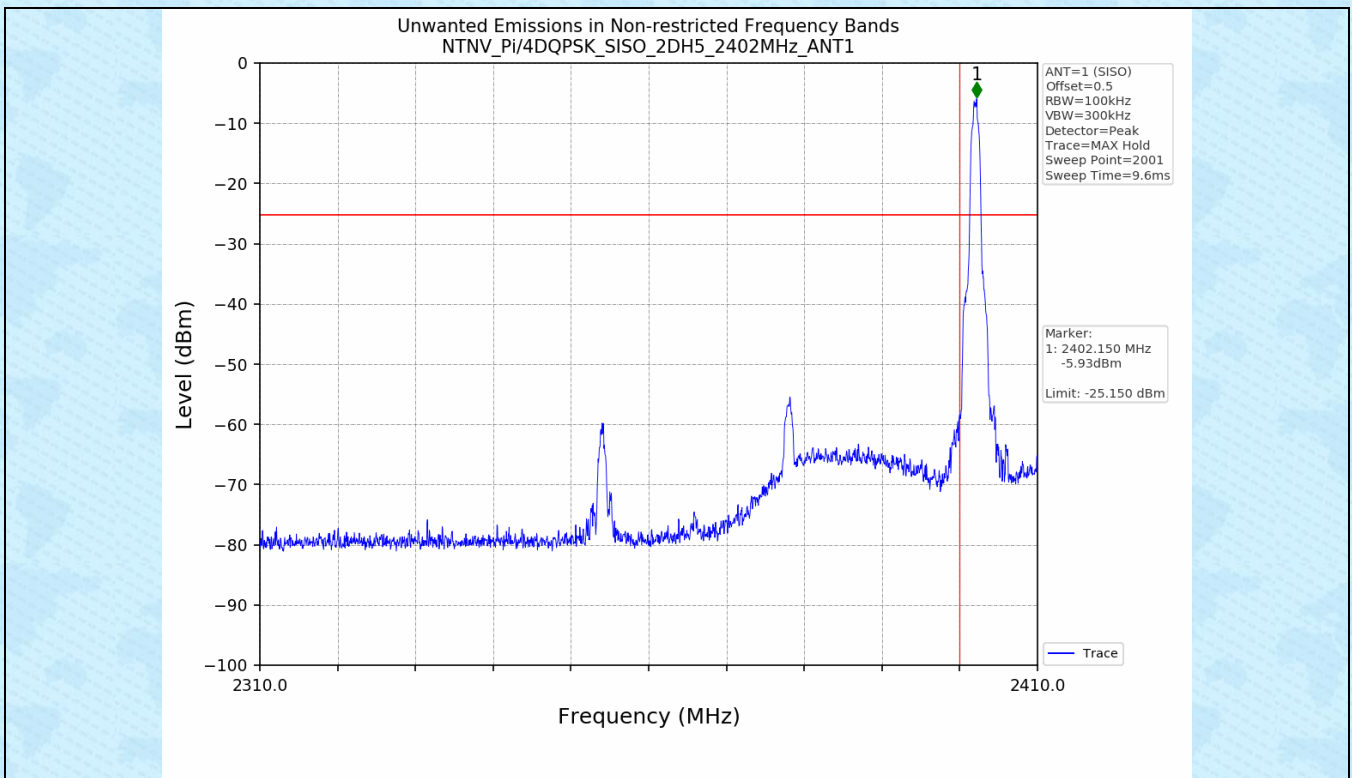
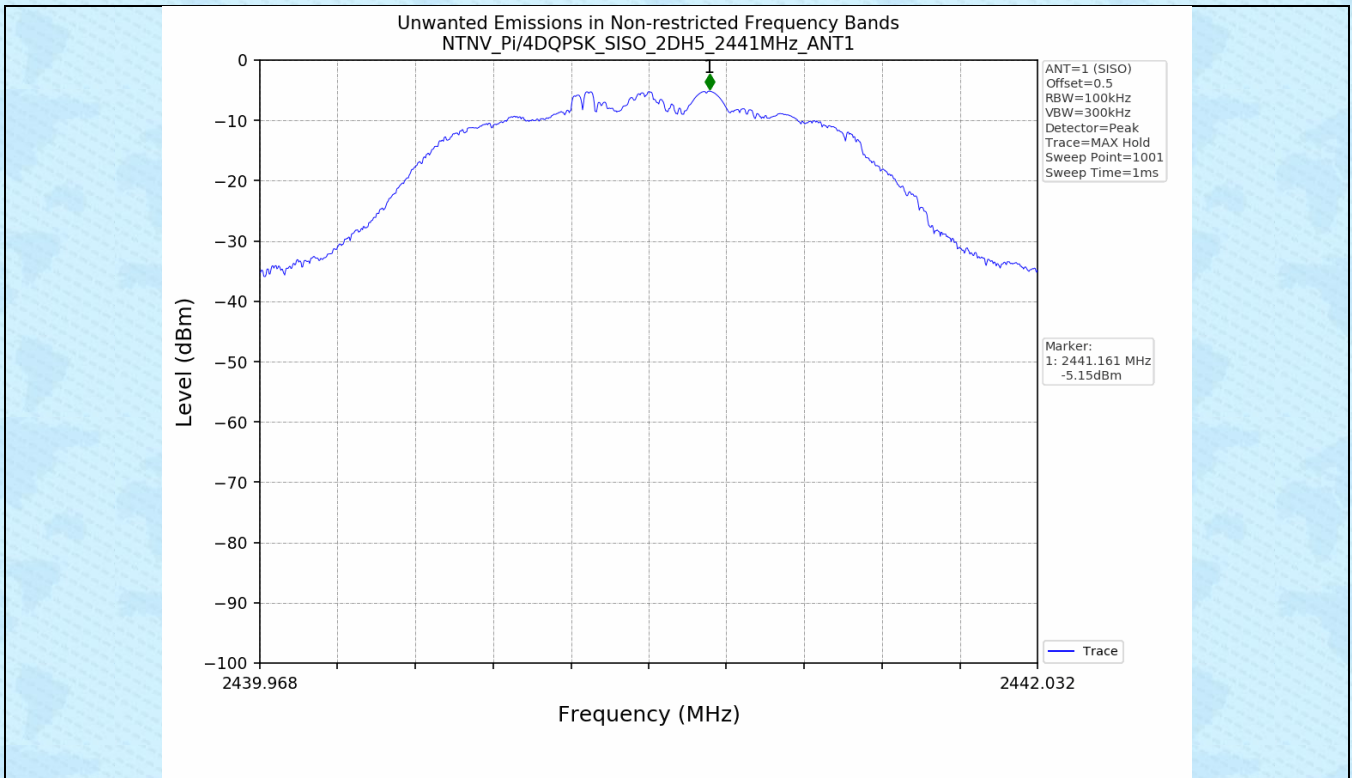
6.2 Test Graph

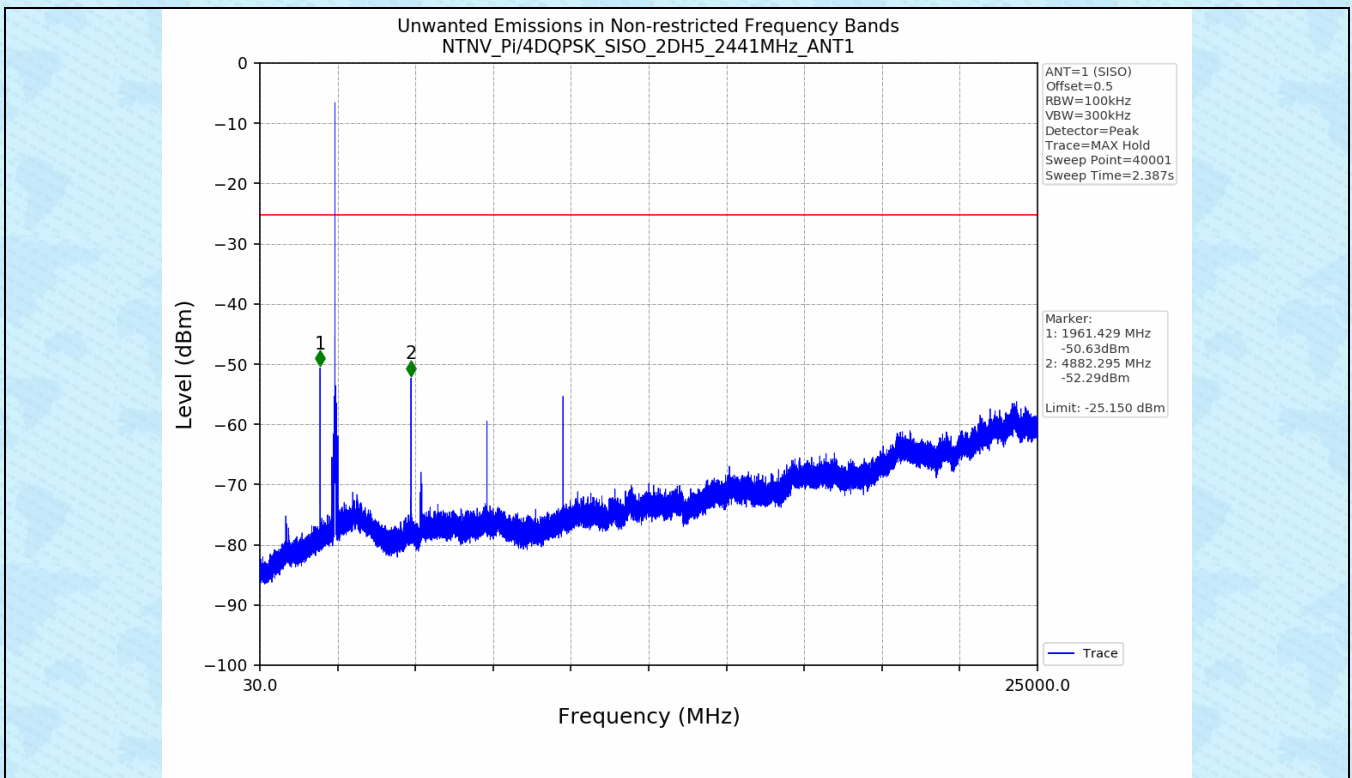
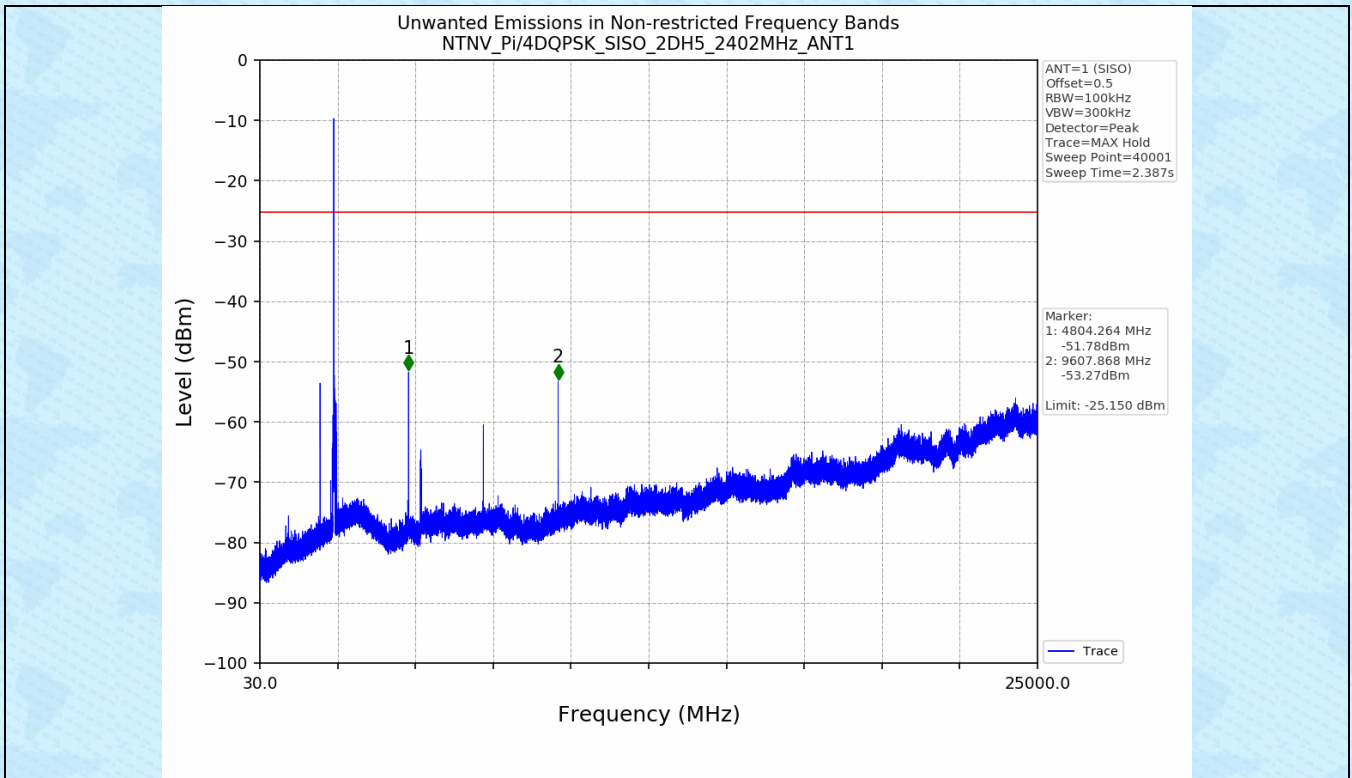


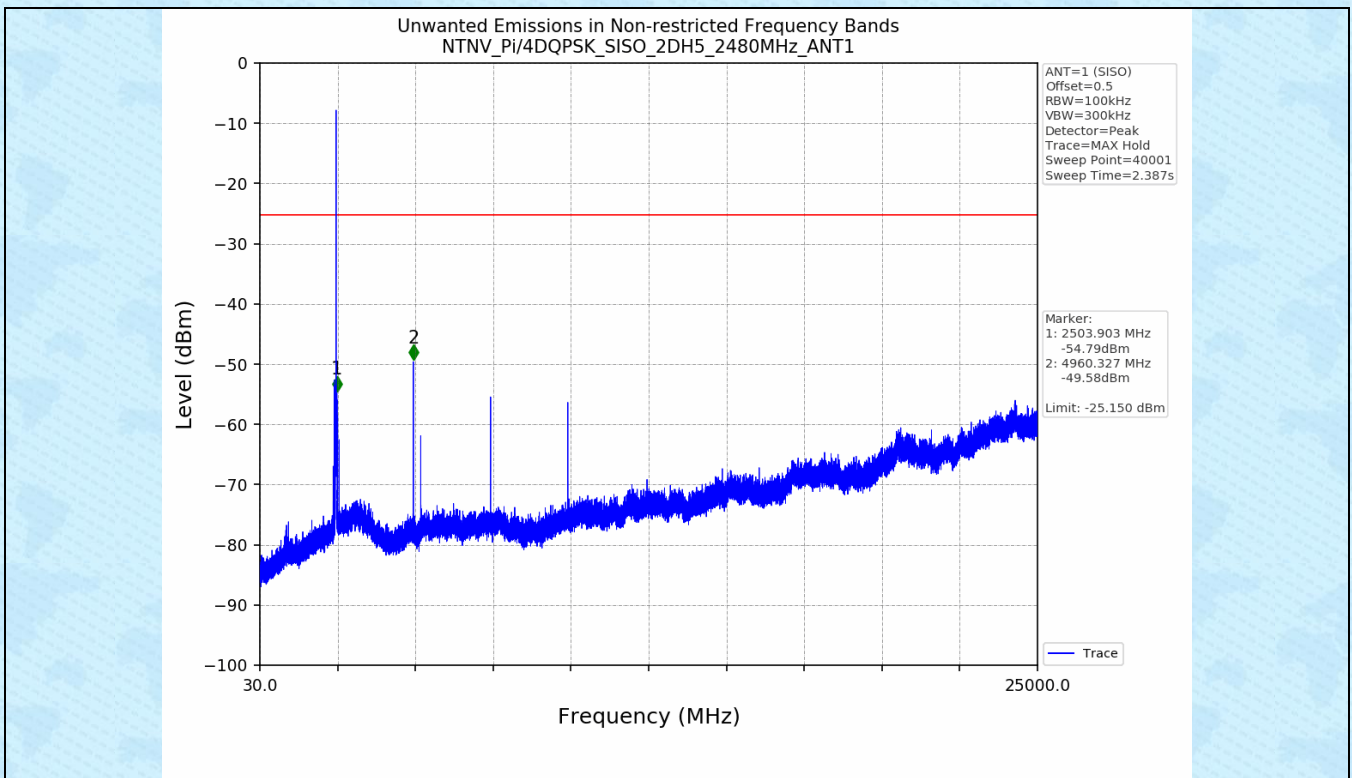
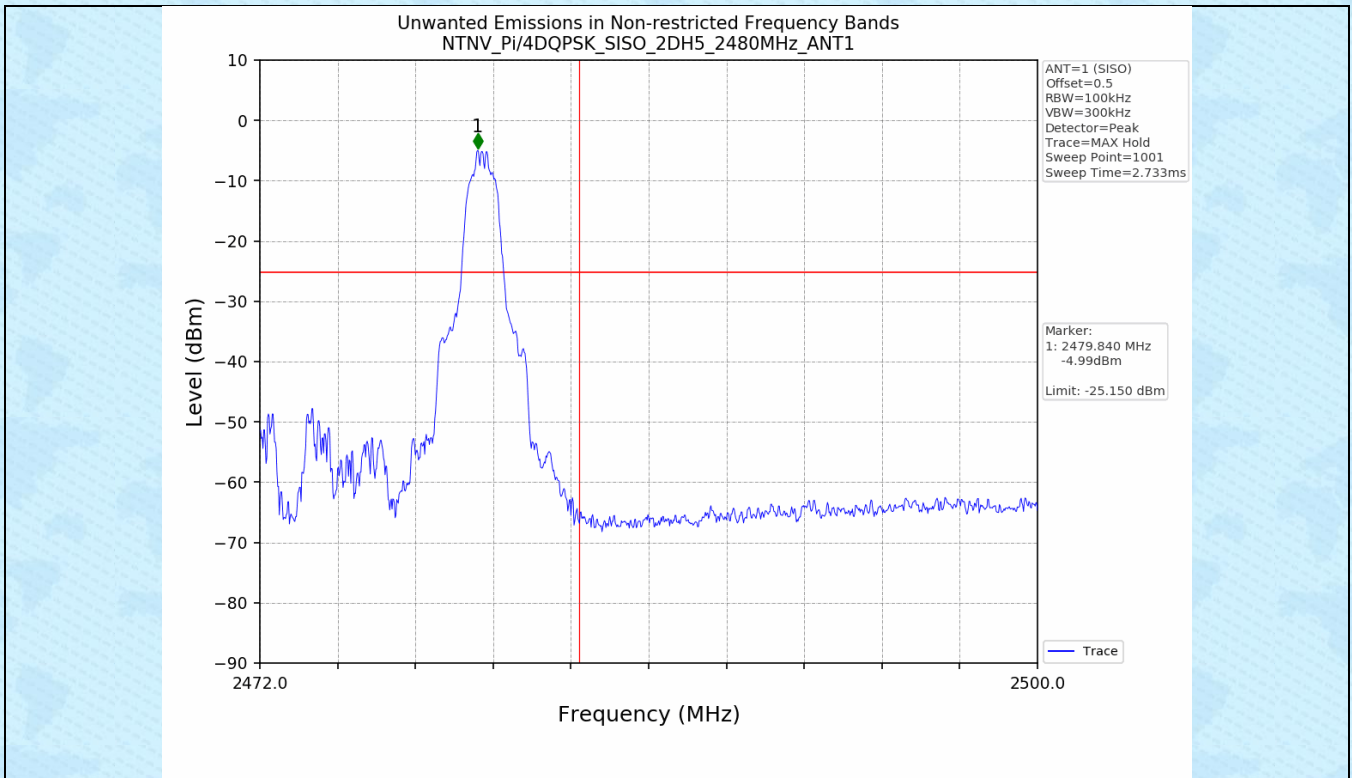


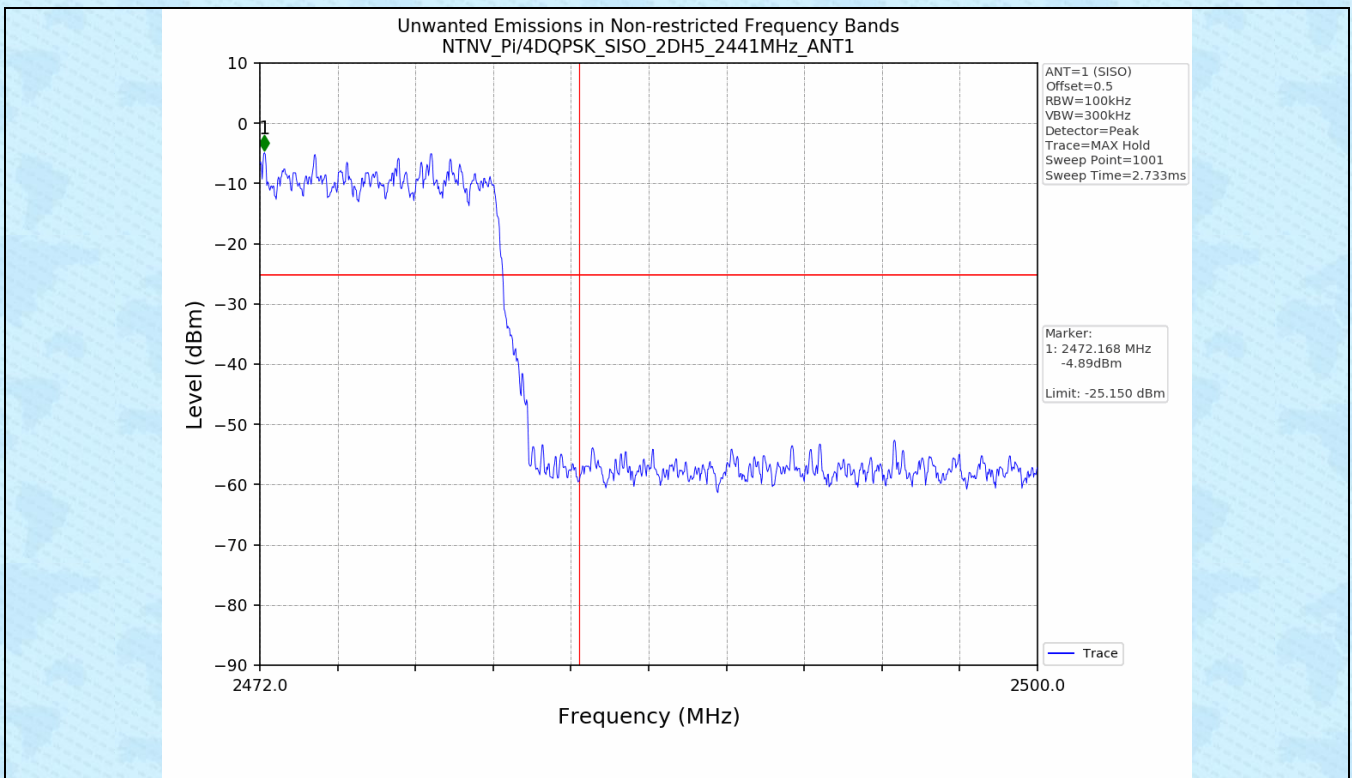
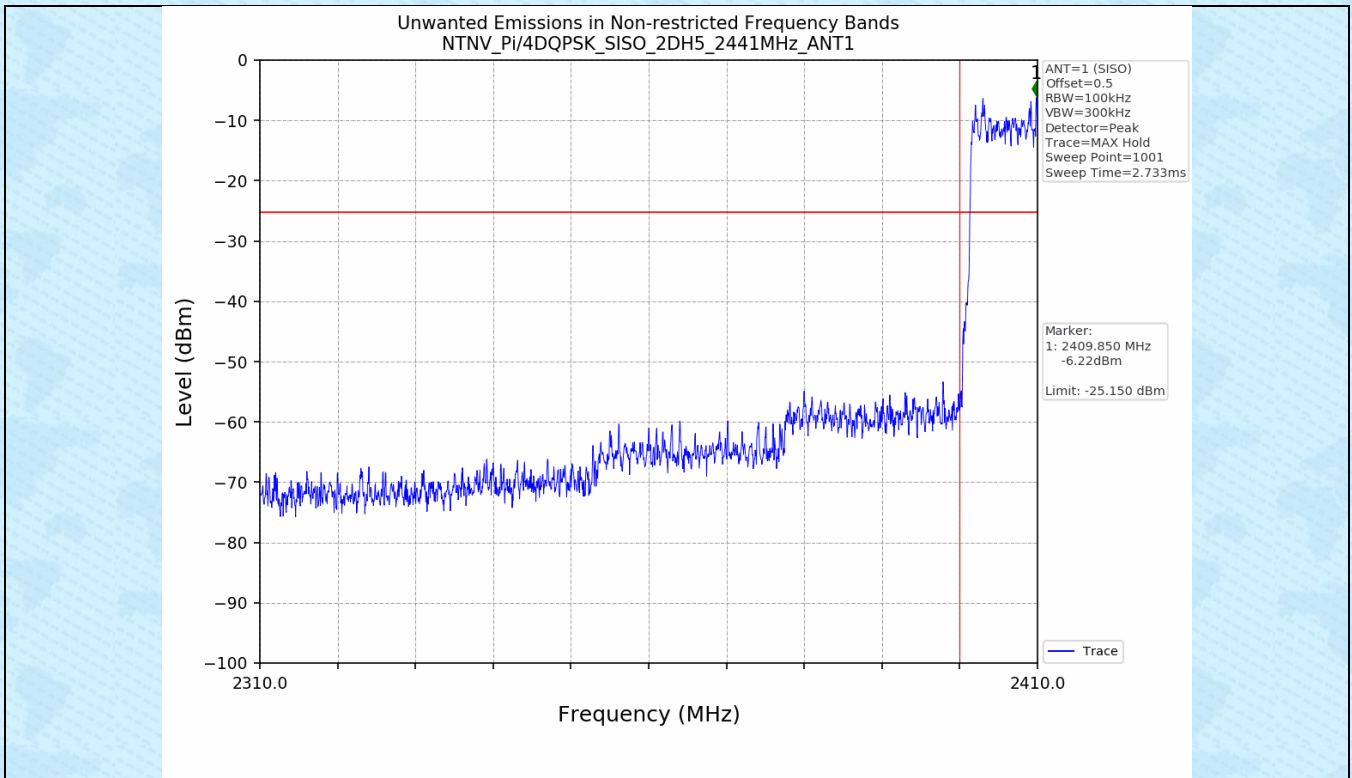


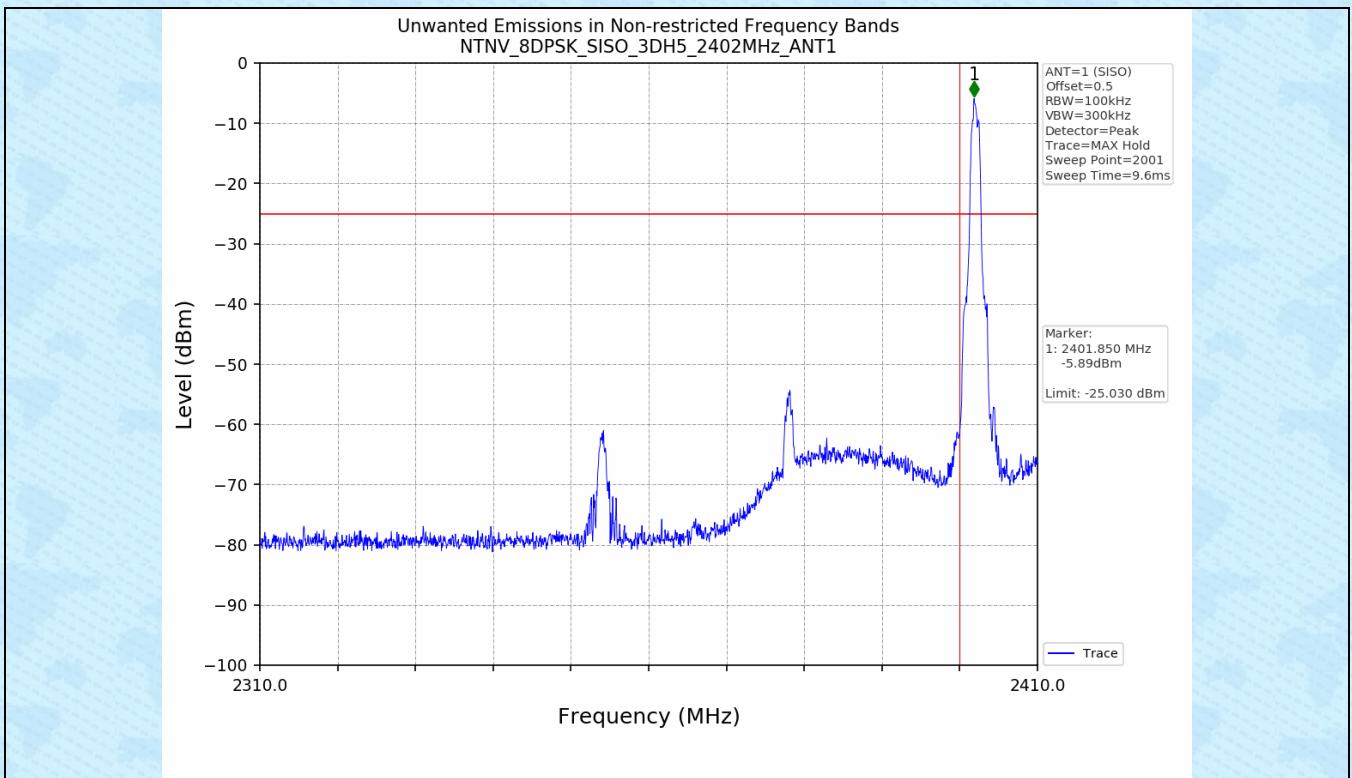
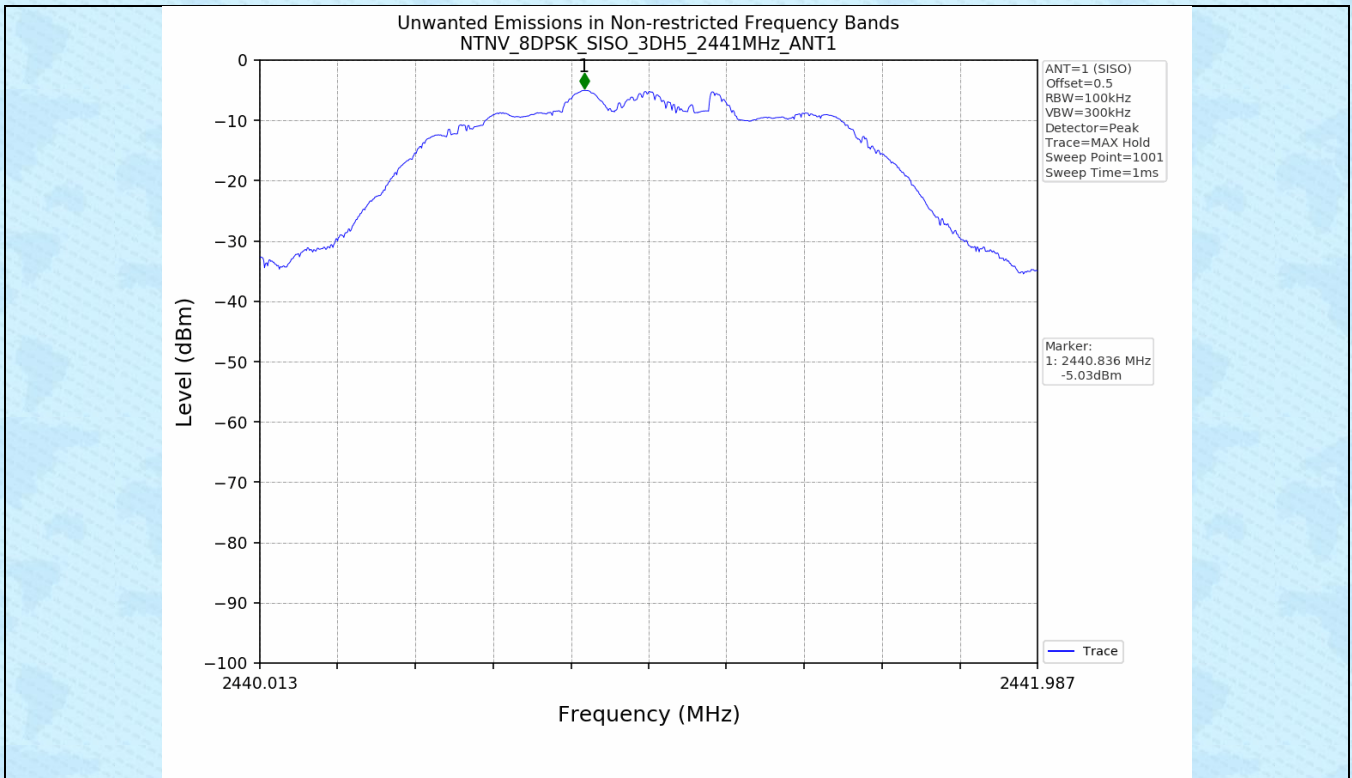


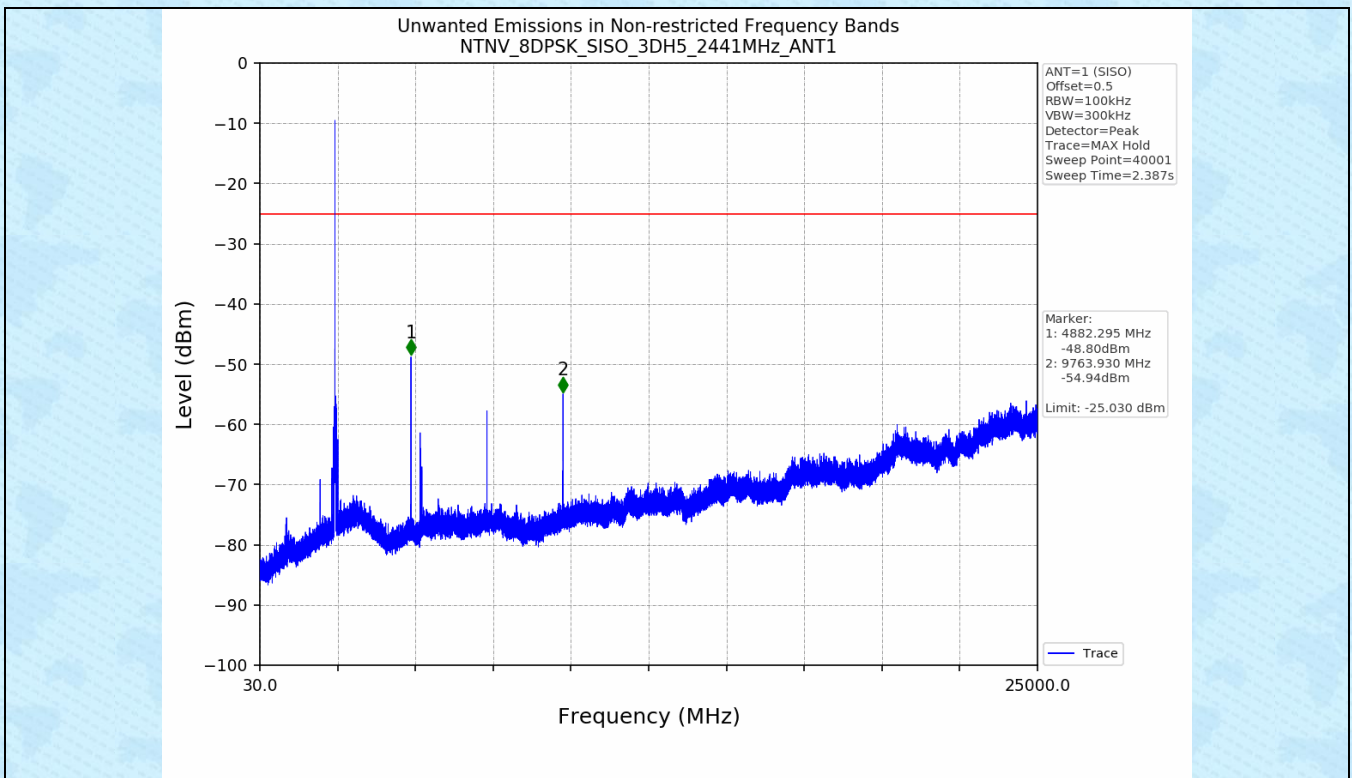
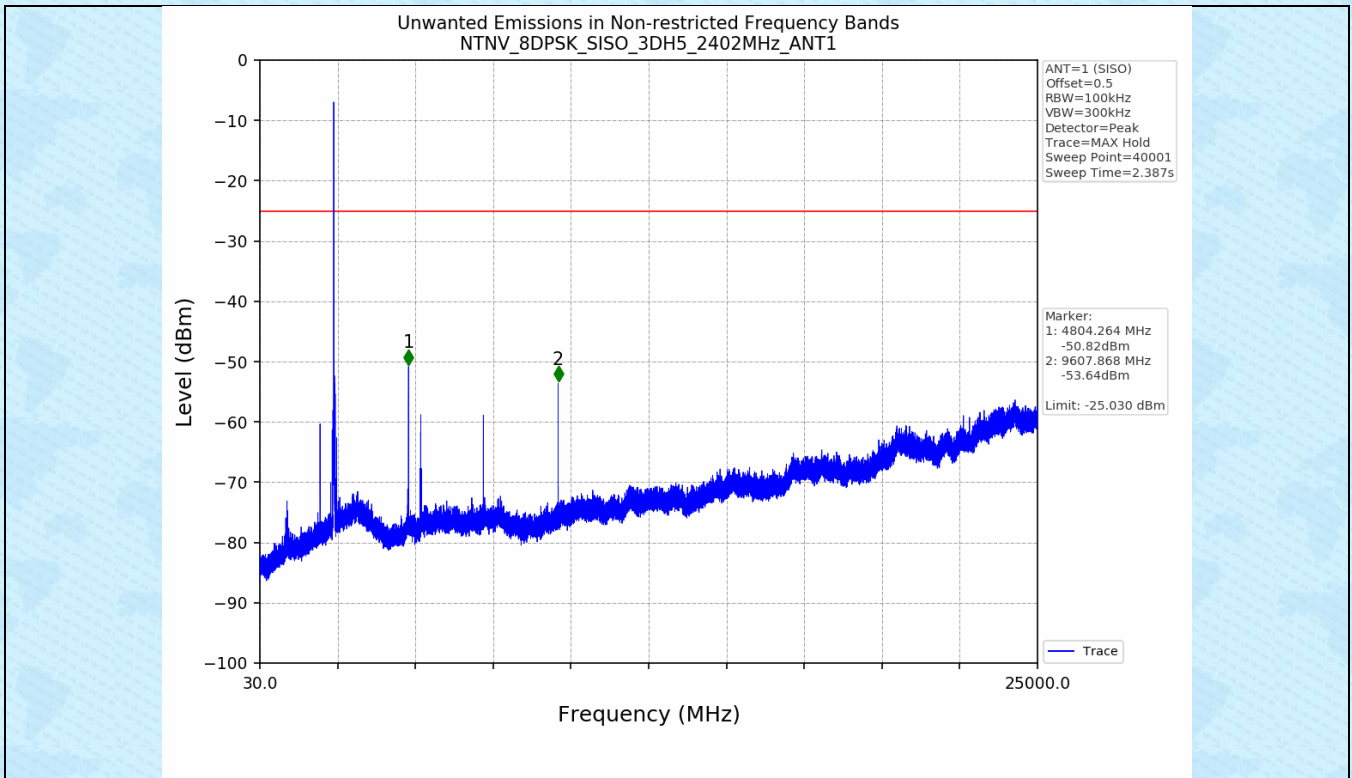


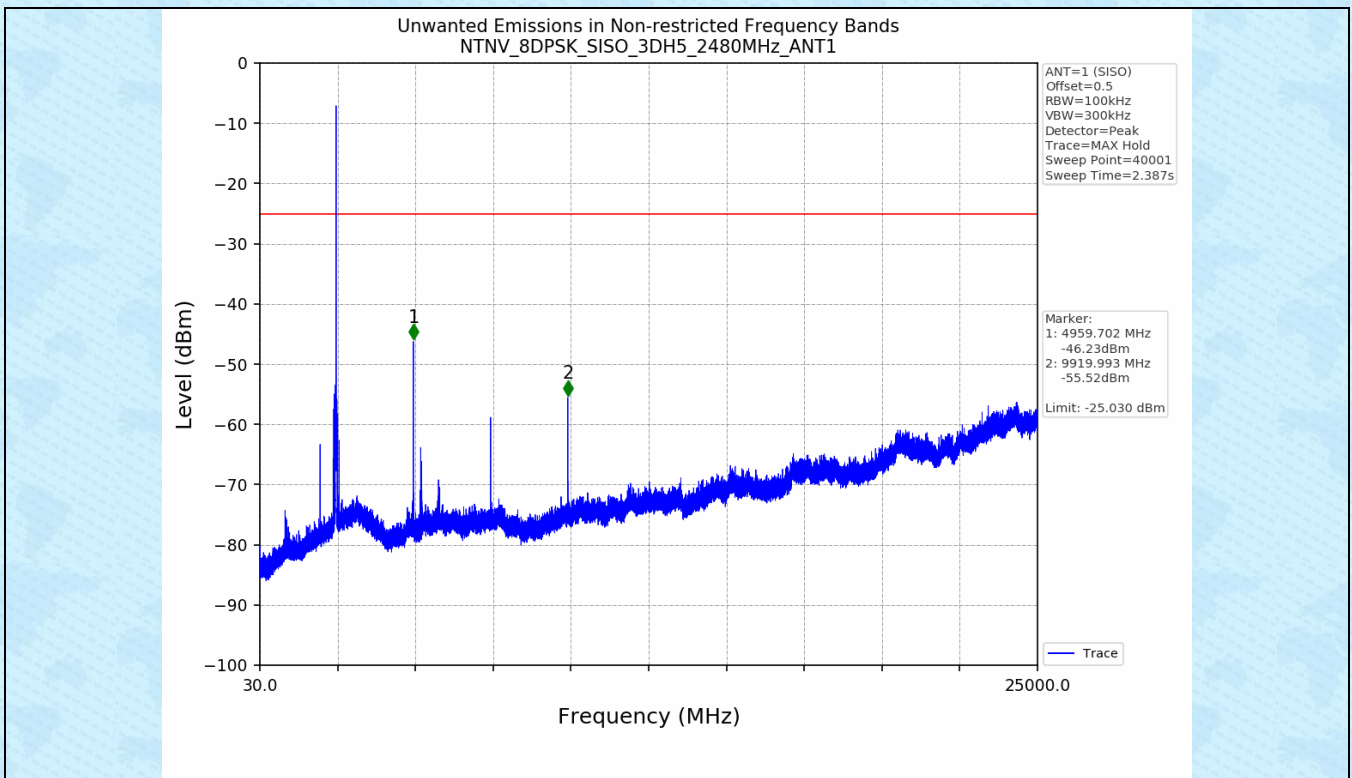
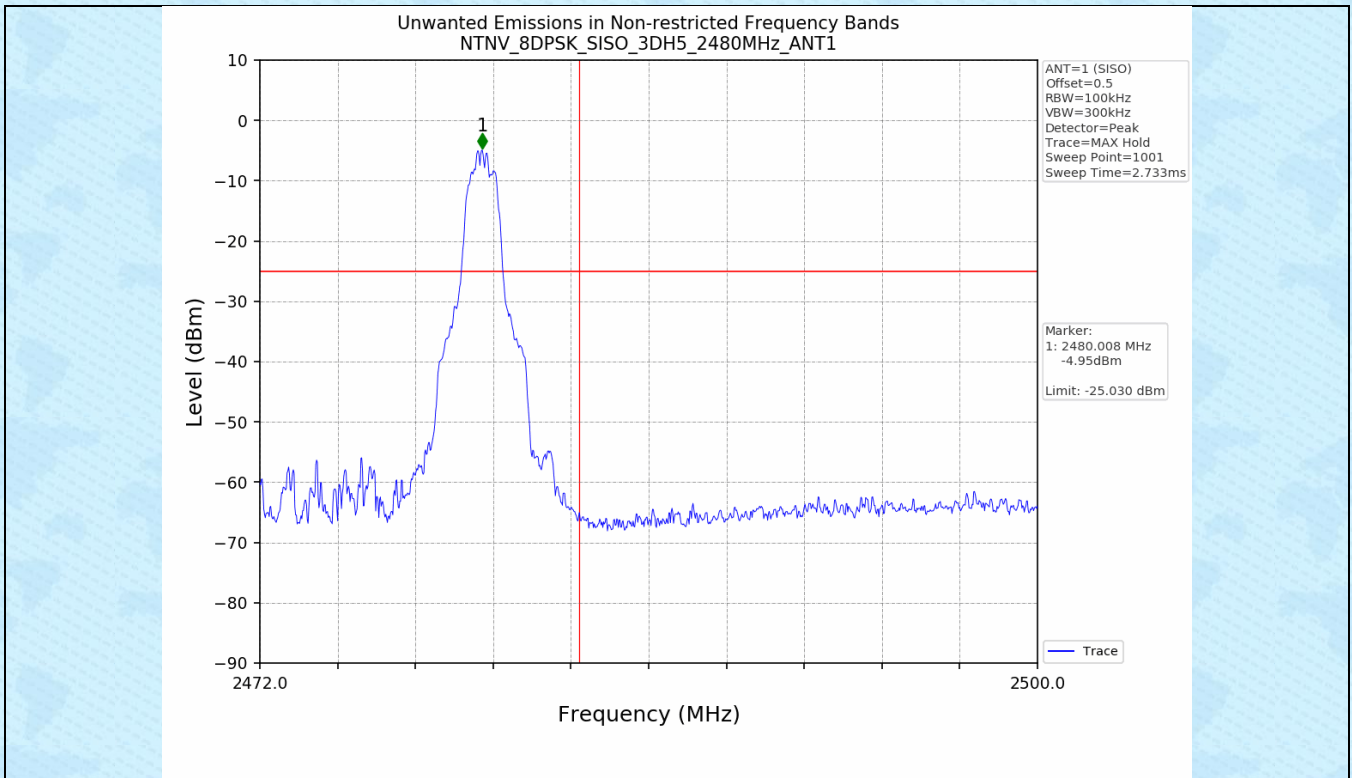


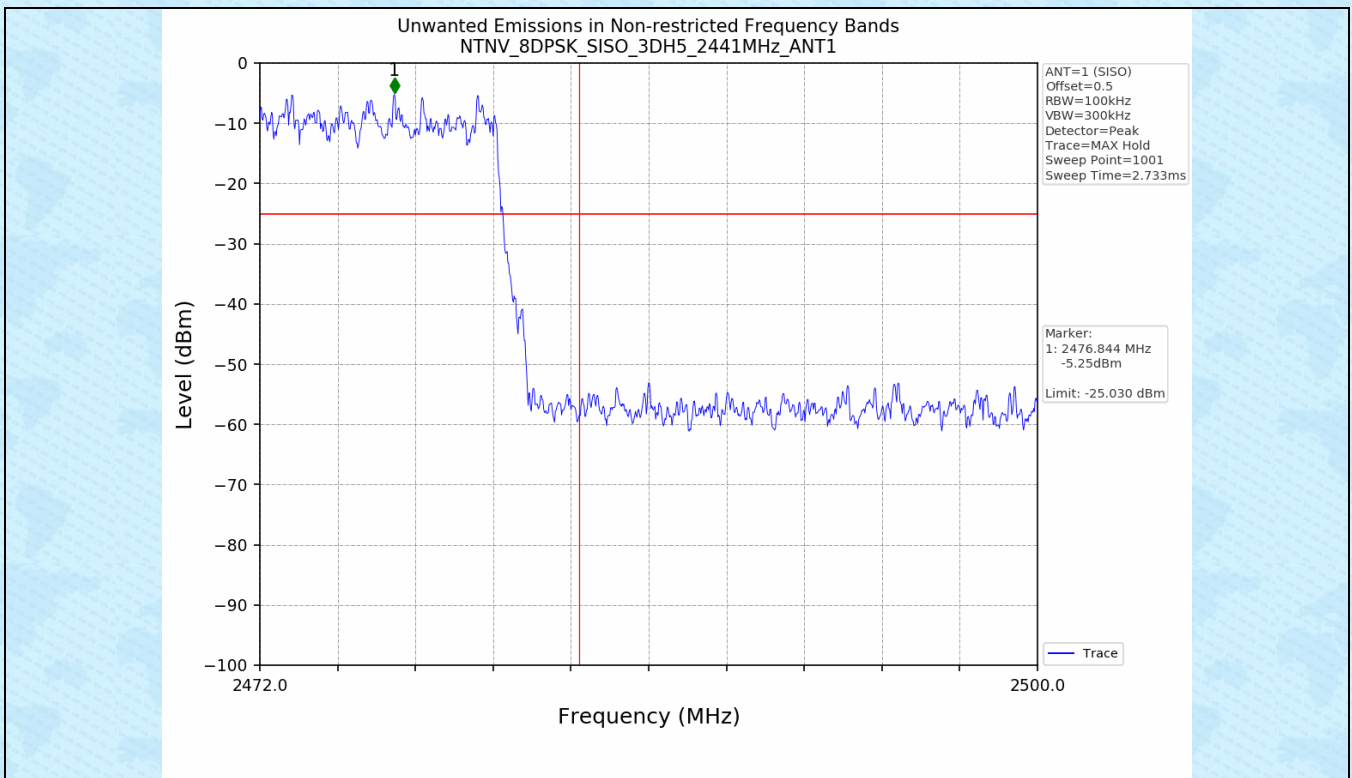
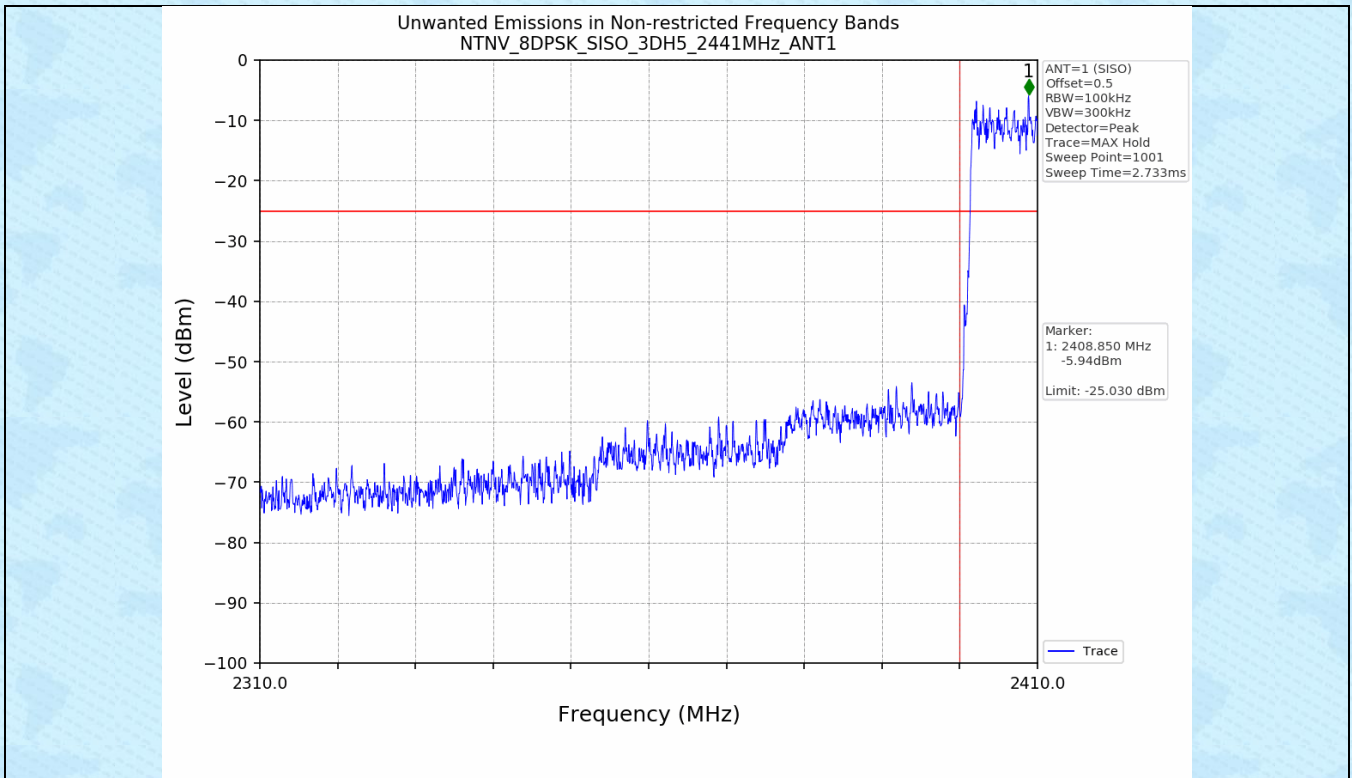












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