

## Appendix for 15.247

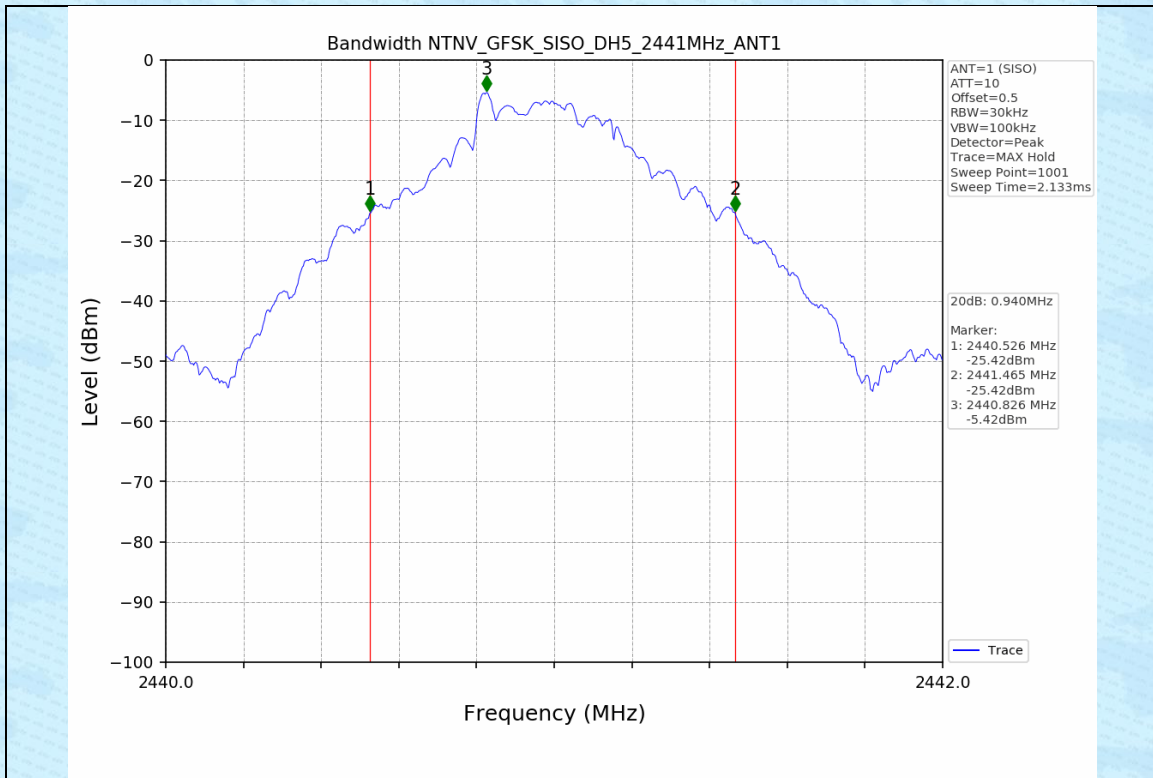
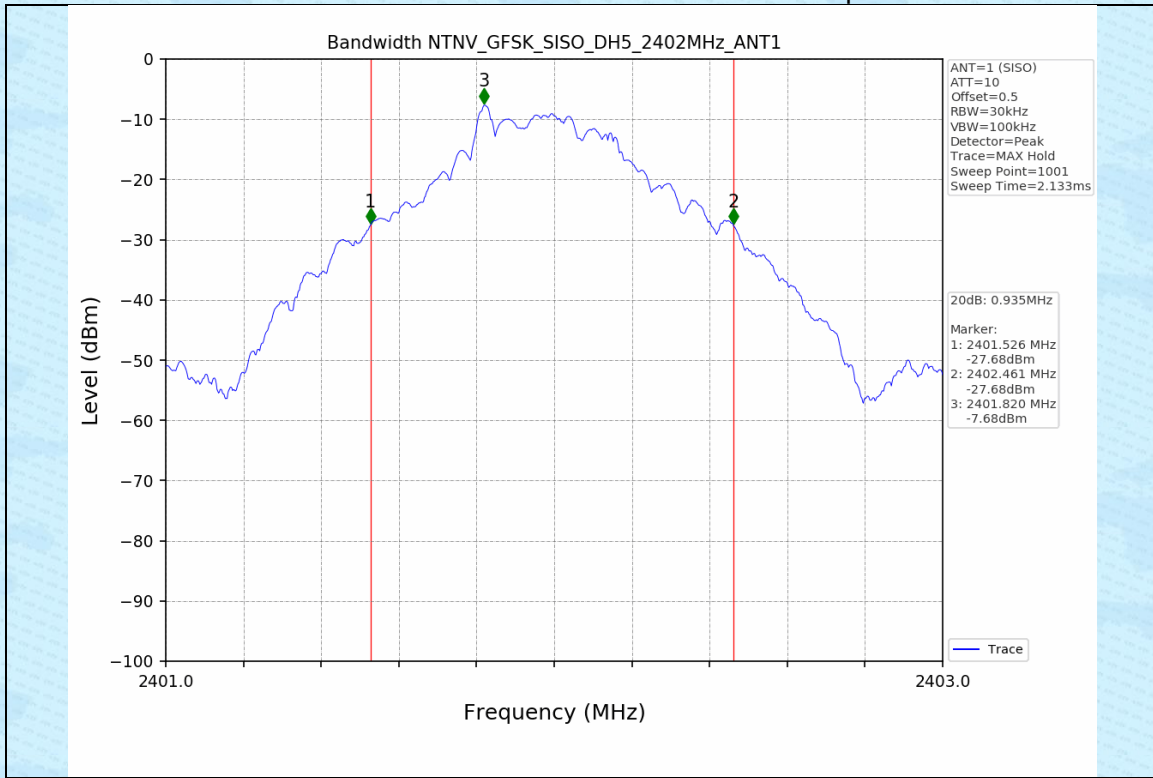
### 1. Bandwidth

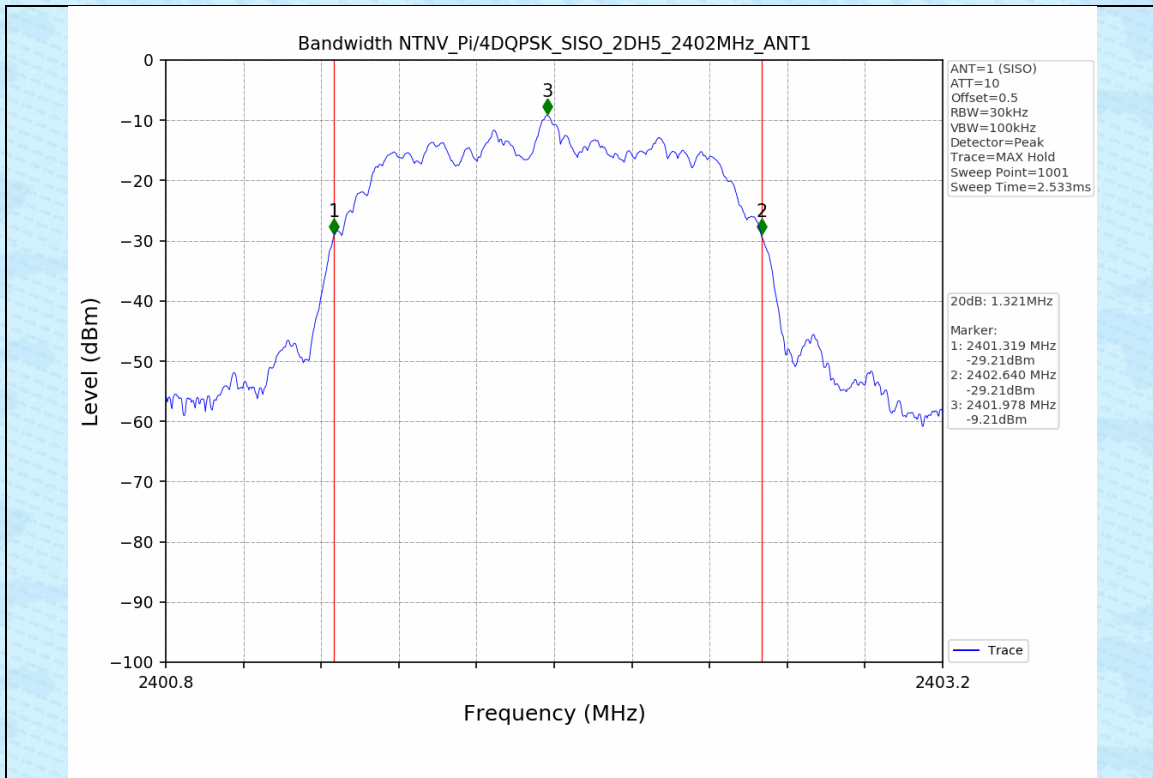
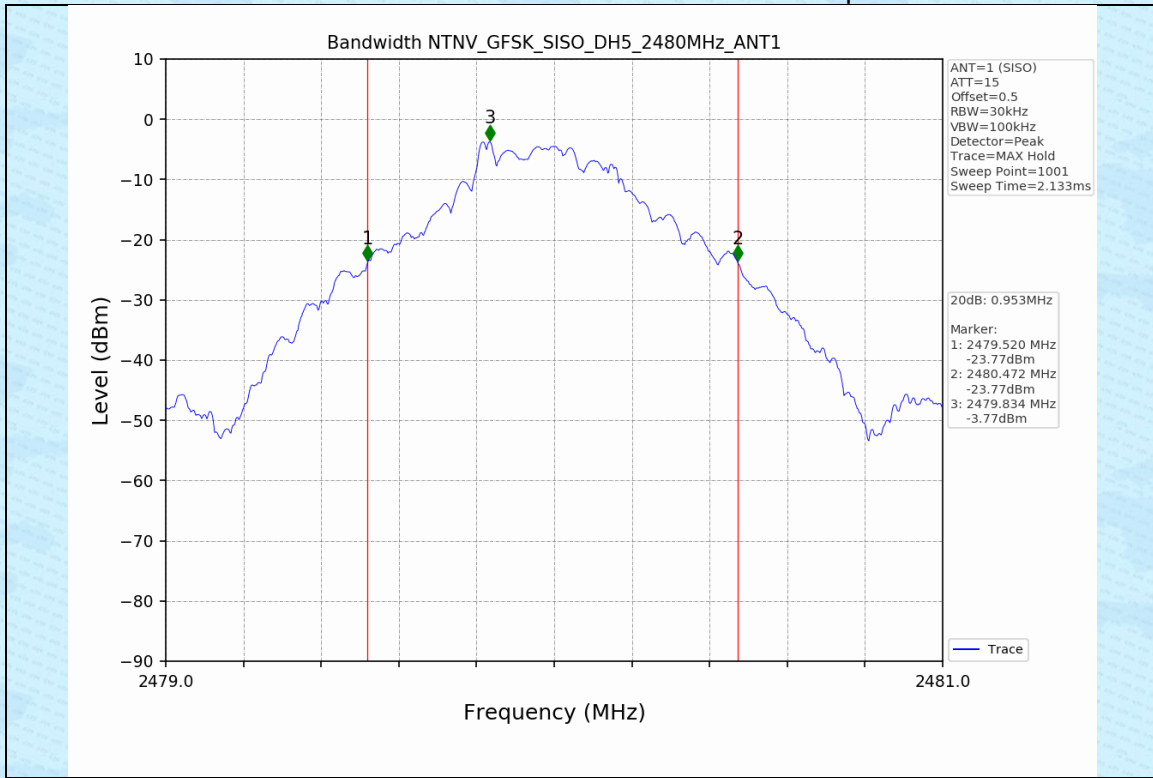
#### 1.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.935	PASS
	2441	SISO	1	0.940	PASS
	2480	SISO	1	0.953	PASS
Pi/4DQPSK	2402	SISO	1	1.321	PASS
	2441	SISO	1	1.319	PASS
	2480	SISO	1	1.321	PASS
8DPSK	2402	SISO	1	1.294	PASS
	2441	SISO	1	1.294	PASS
	2480	SISO	1	1.292	PASS

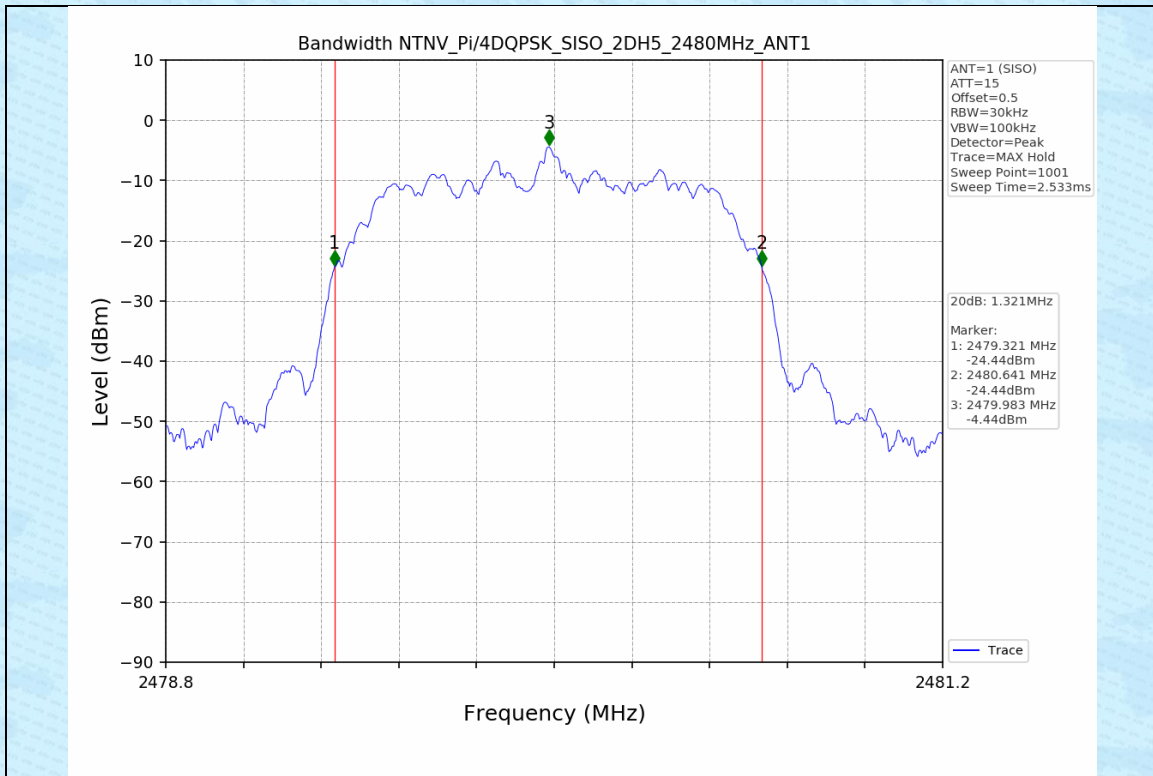
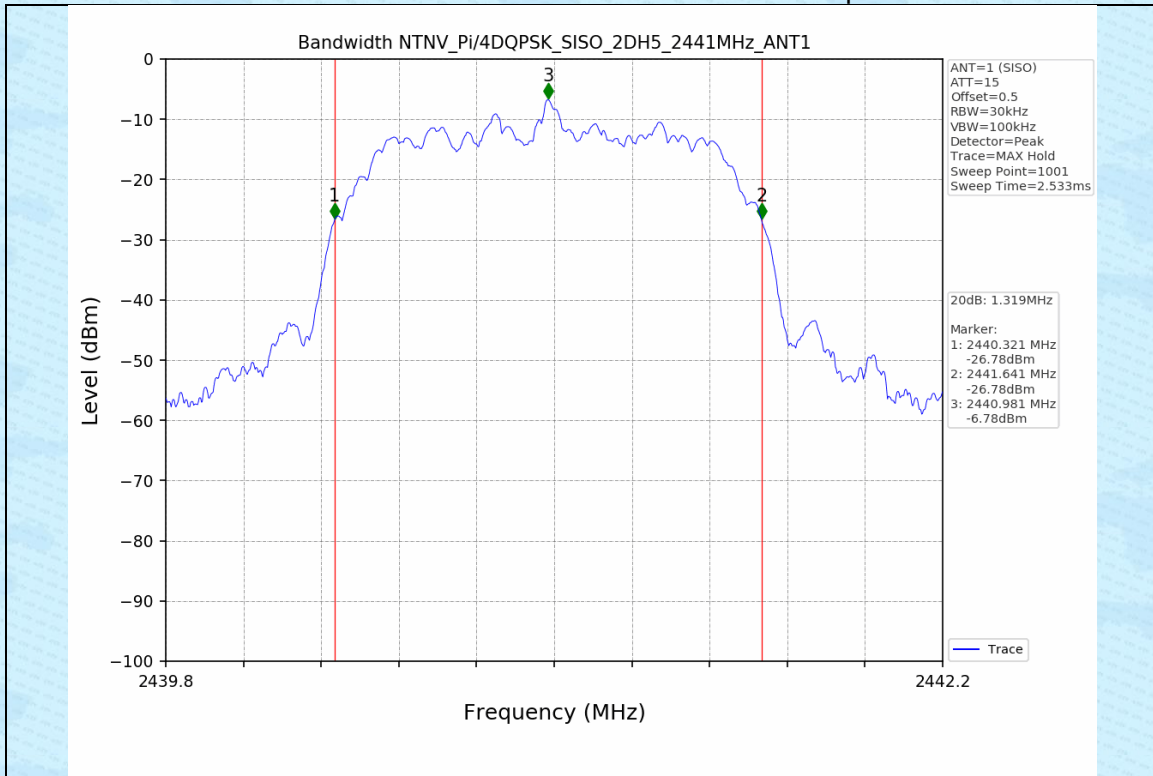
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.856	Only for Report Use
	2441	SISO	1	0.856	Only for Report Use
	2480	SISO	1	0.866	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.184	Only for Report Use
	2441	SISO	1	1.184	Only for Report Use
	2480	SISO	1	1.186	Only for Report Use
8DPSK	2402	SISO	1	1.180	Only for Report Use
	2441	SISO	1	1.182	Only for Report Use
	2480	SISO	1	1.180	Only for Report Use

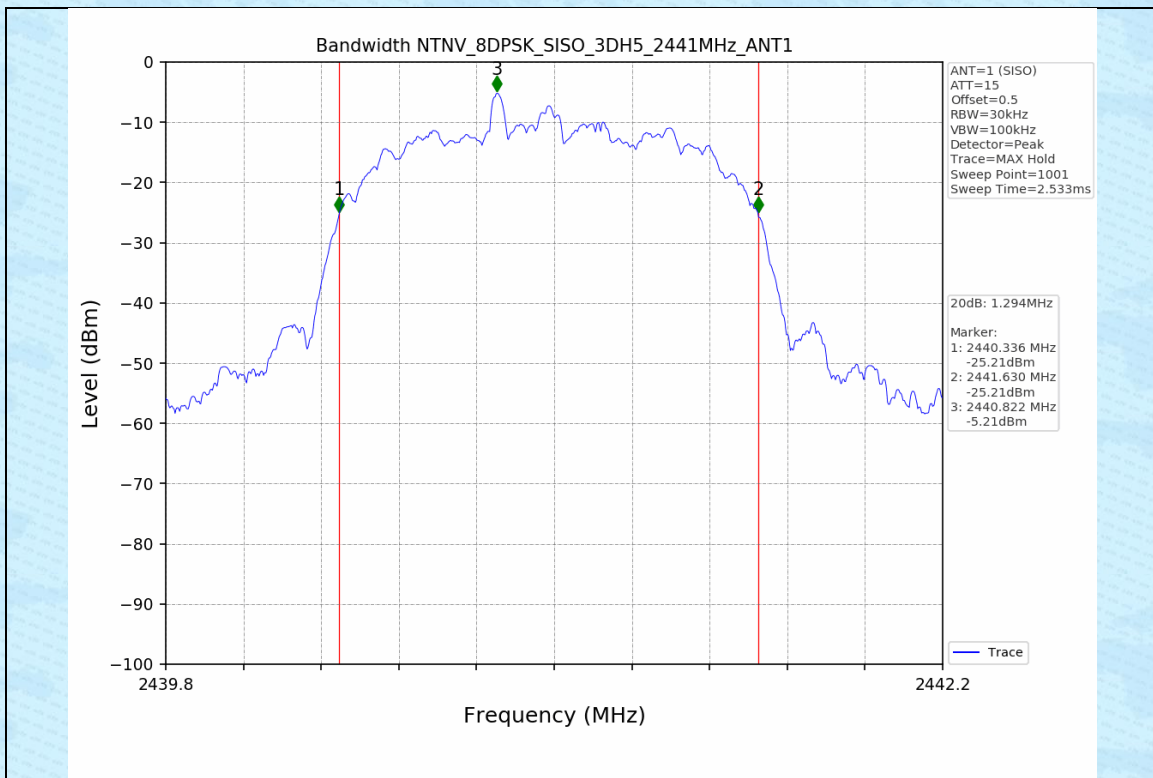
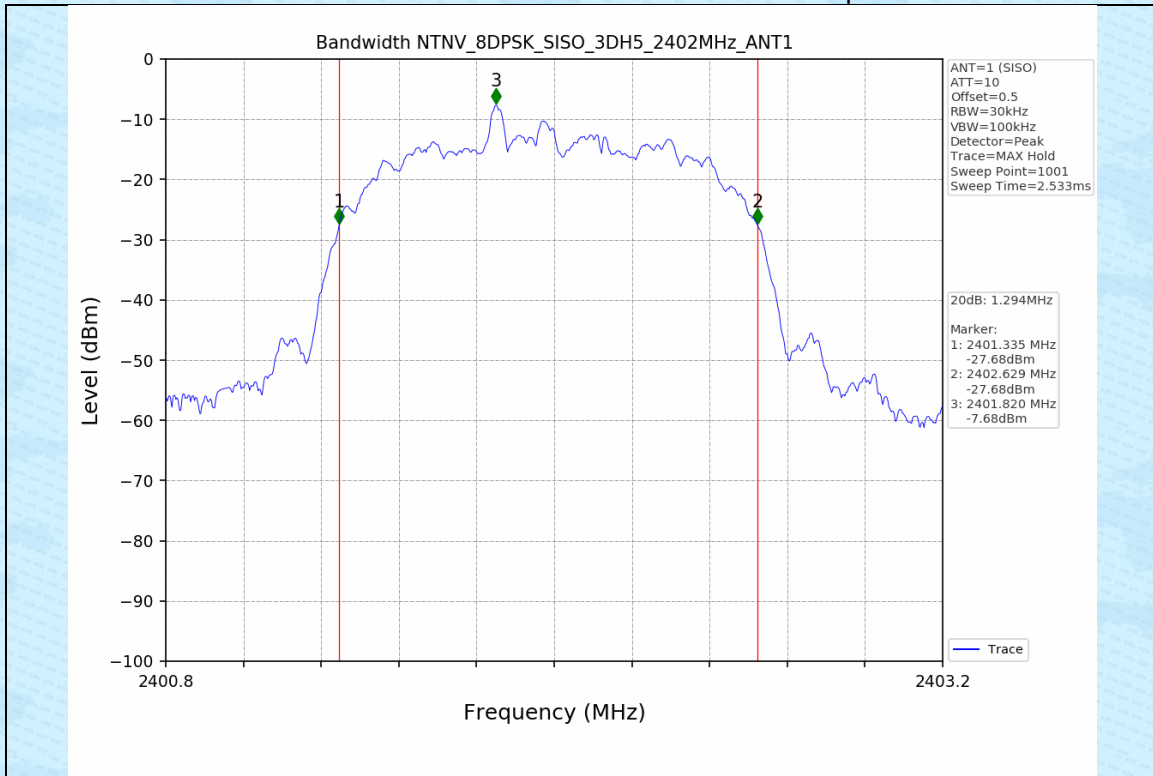
#### 1.2 Test Graph - 20dB Bandwidth

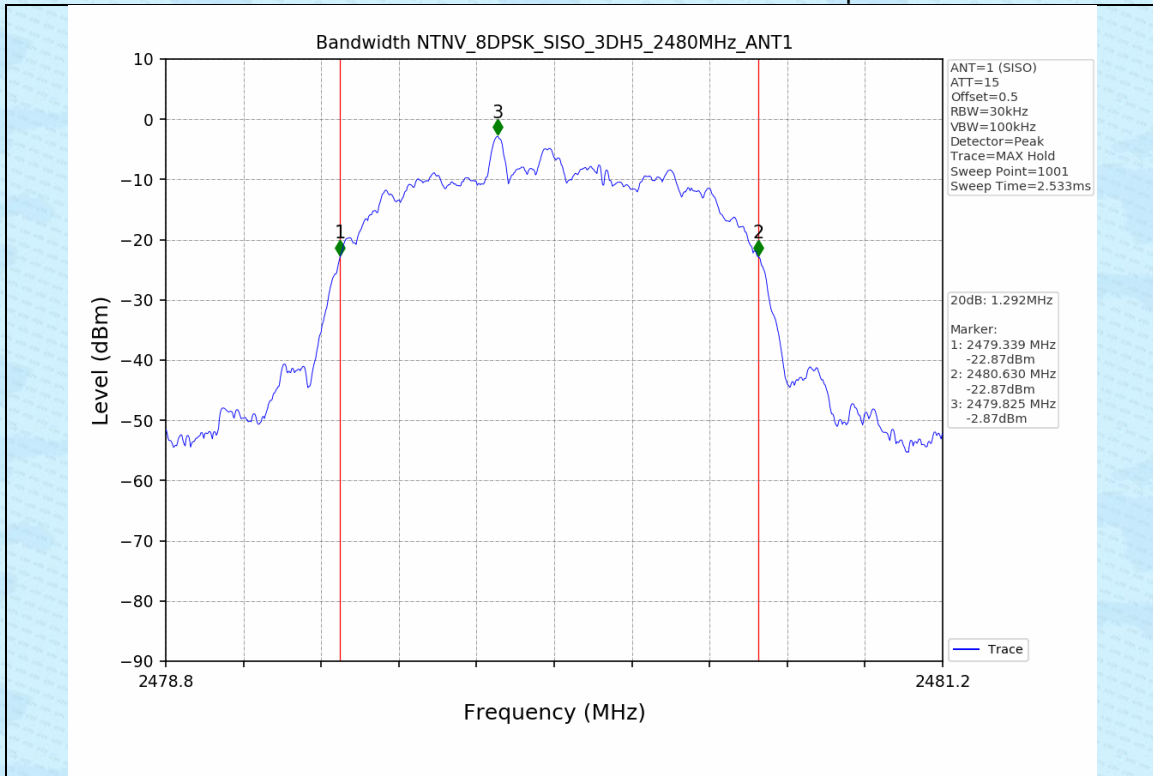




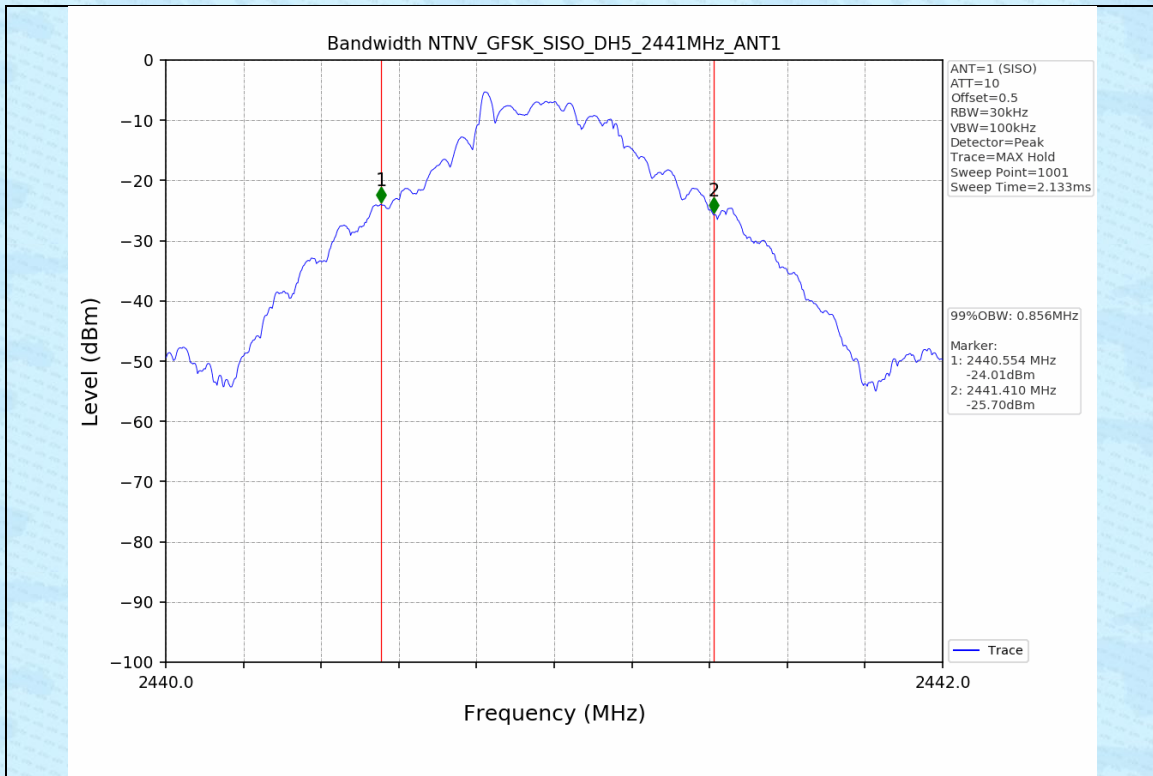
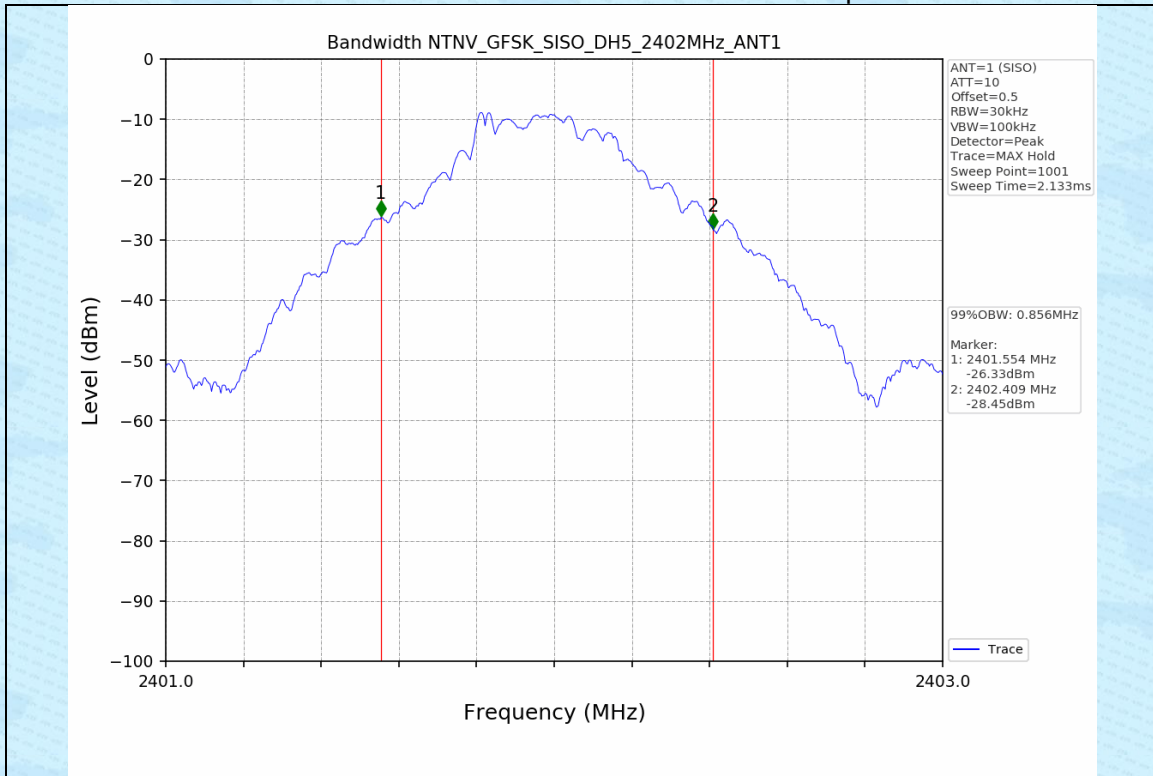




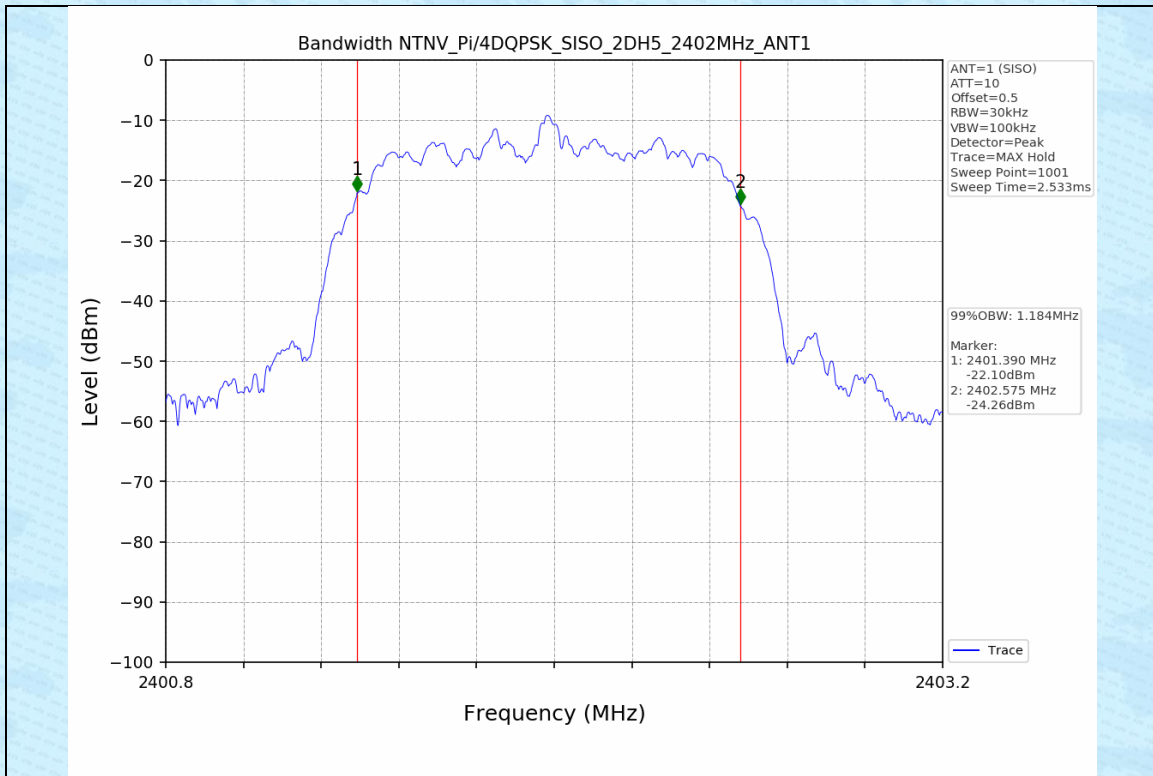
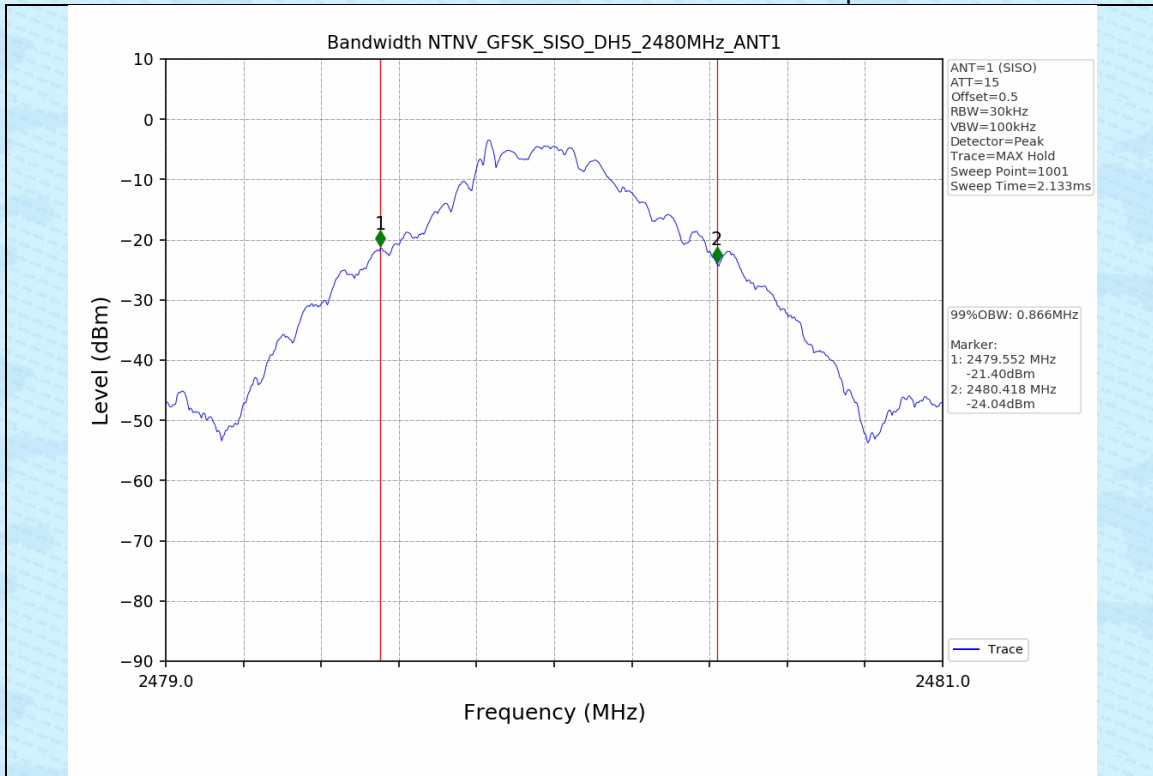




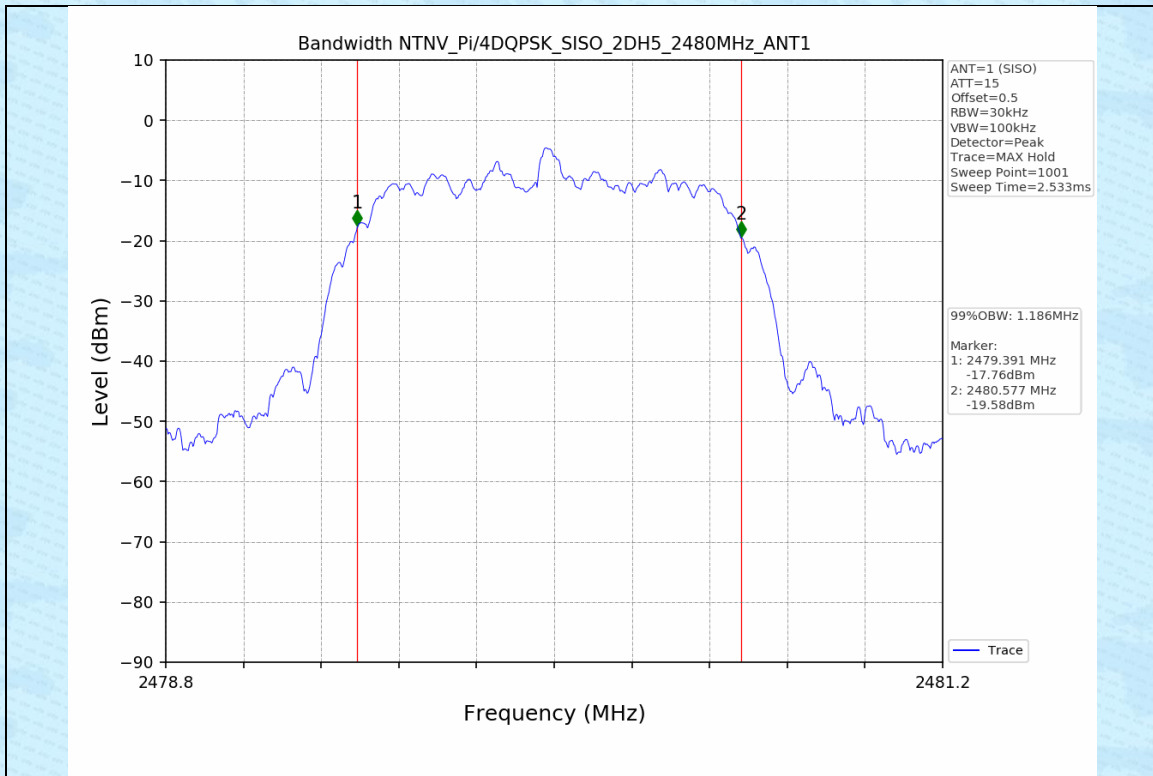
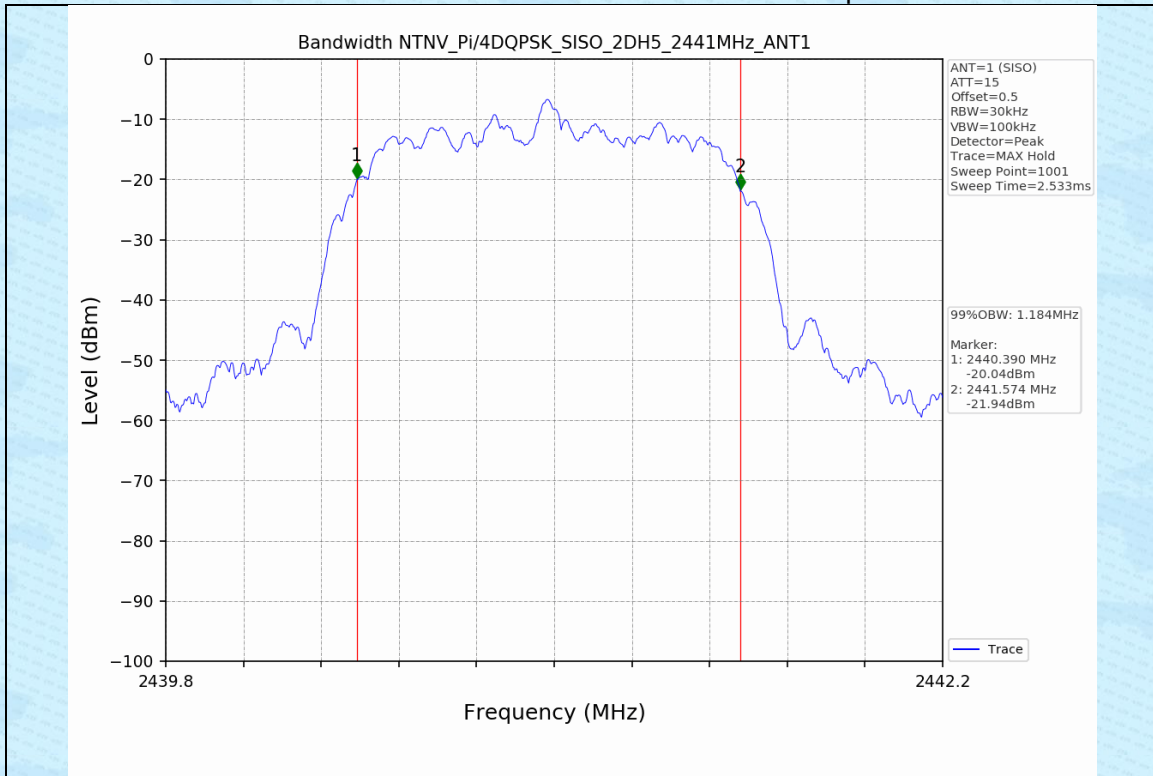
### 1.3 Test Graph - 99% Occupied Bandwidth

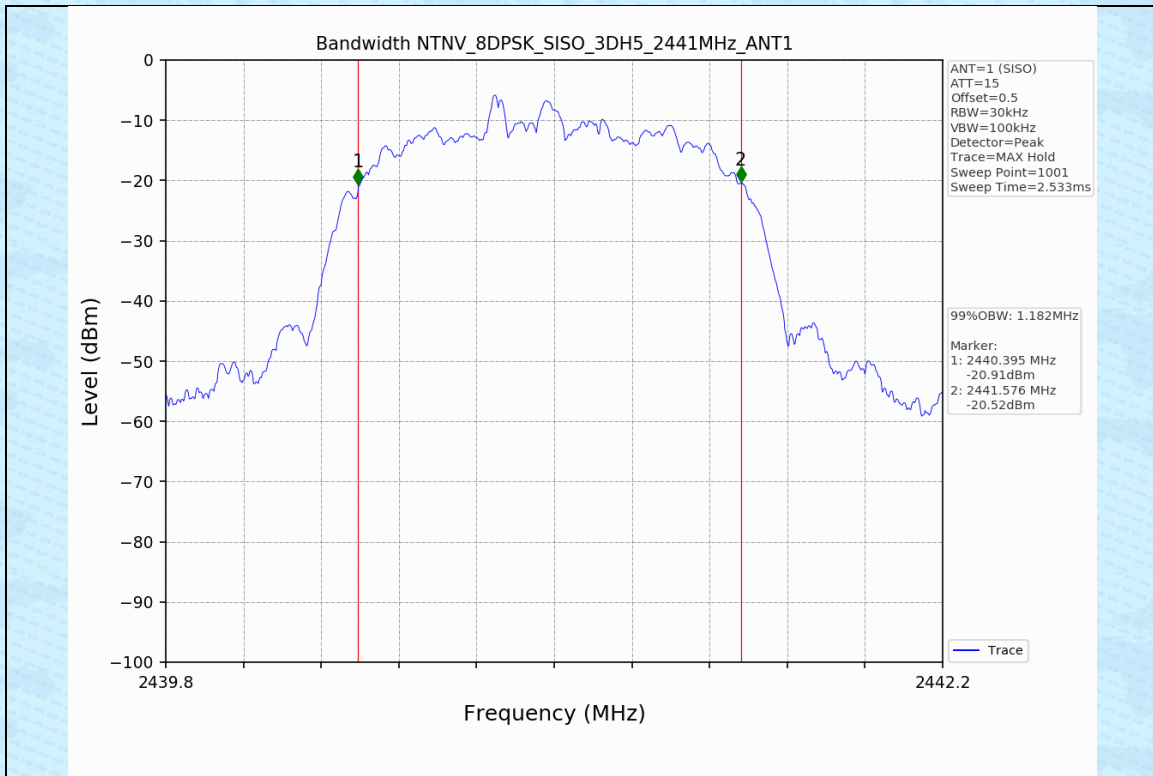
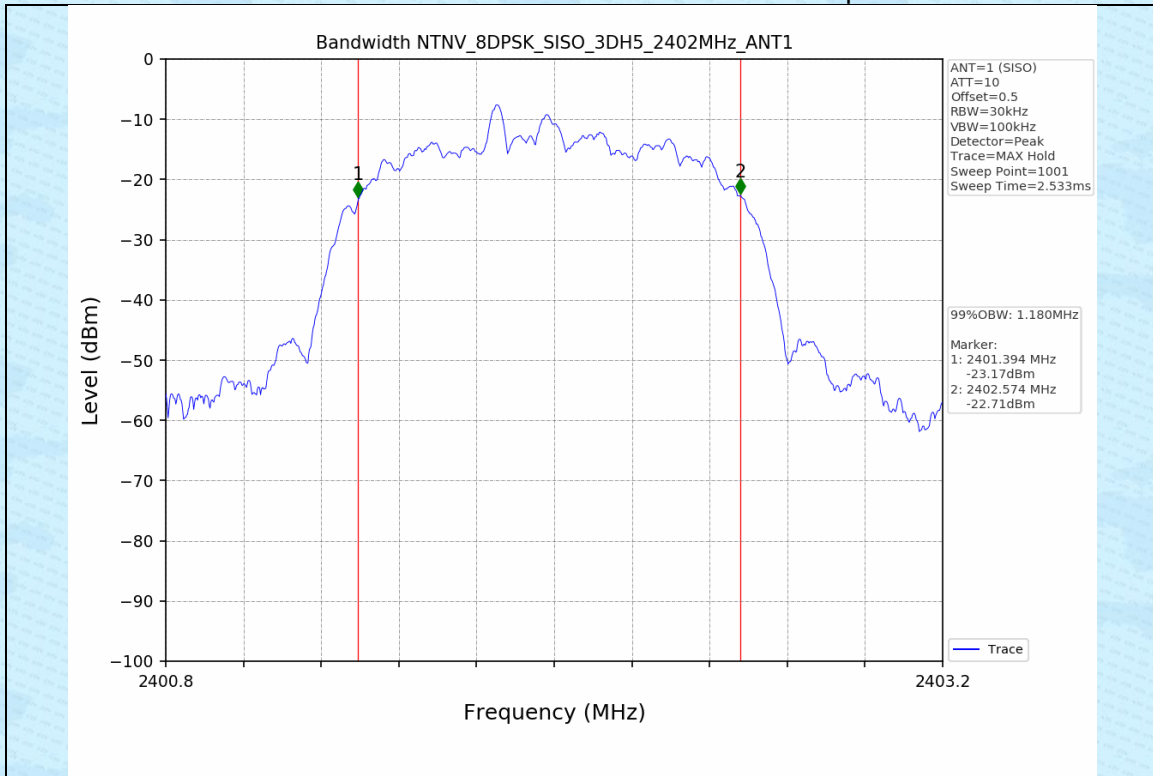


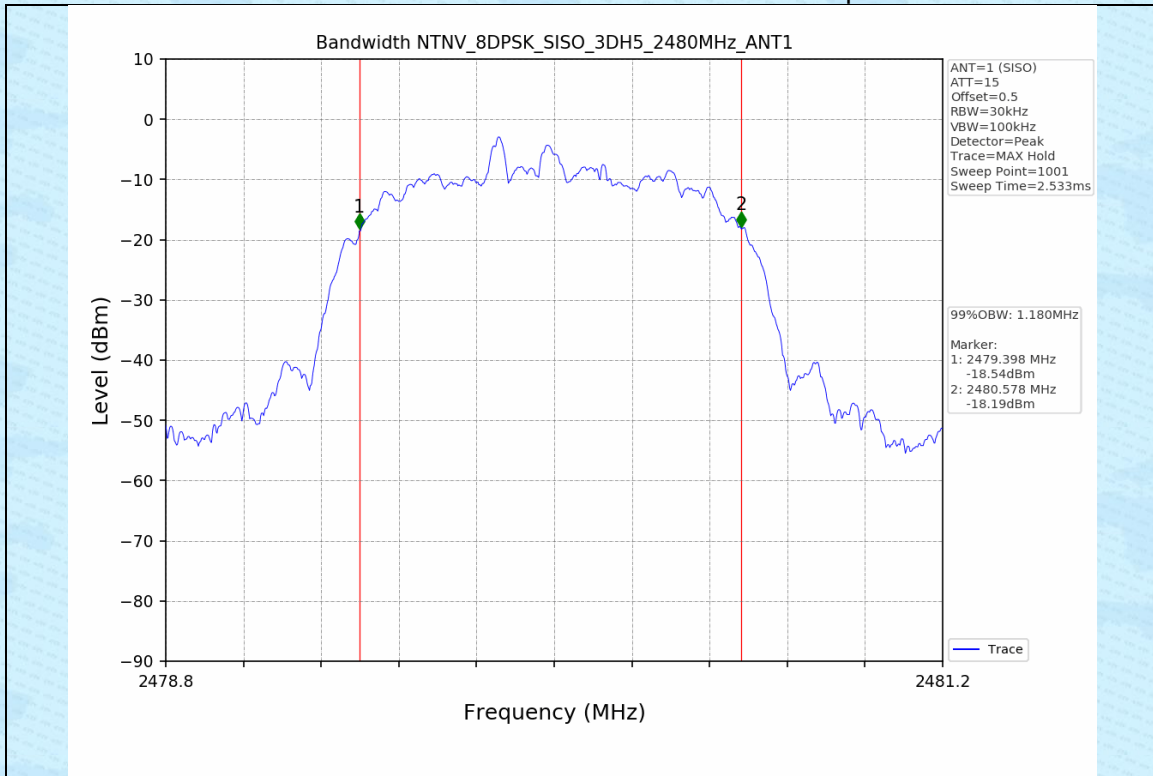












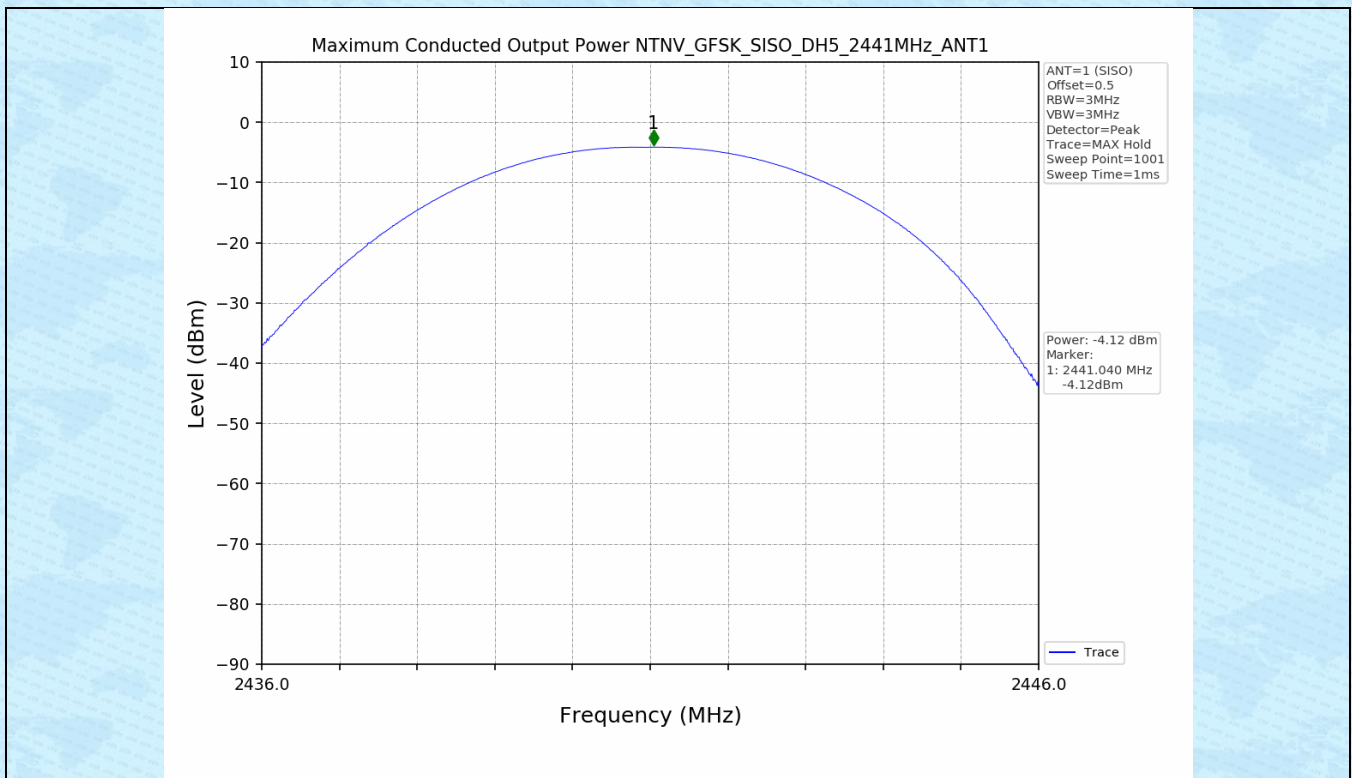
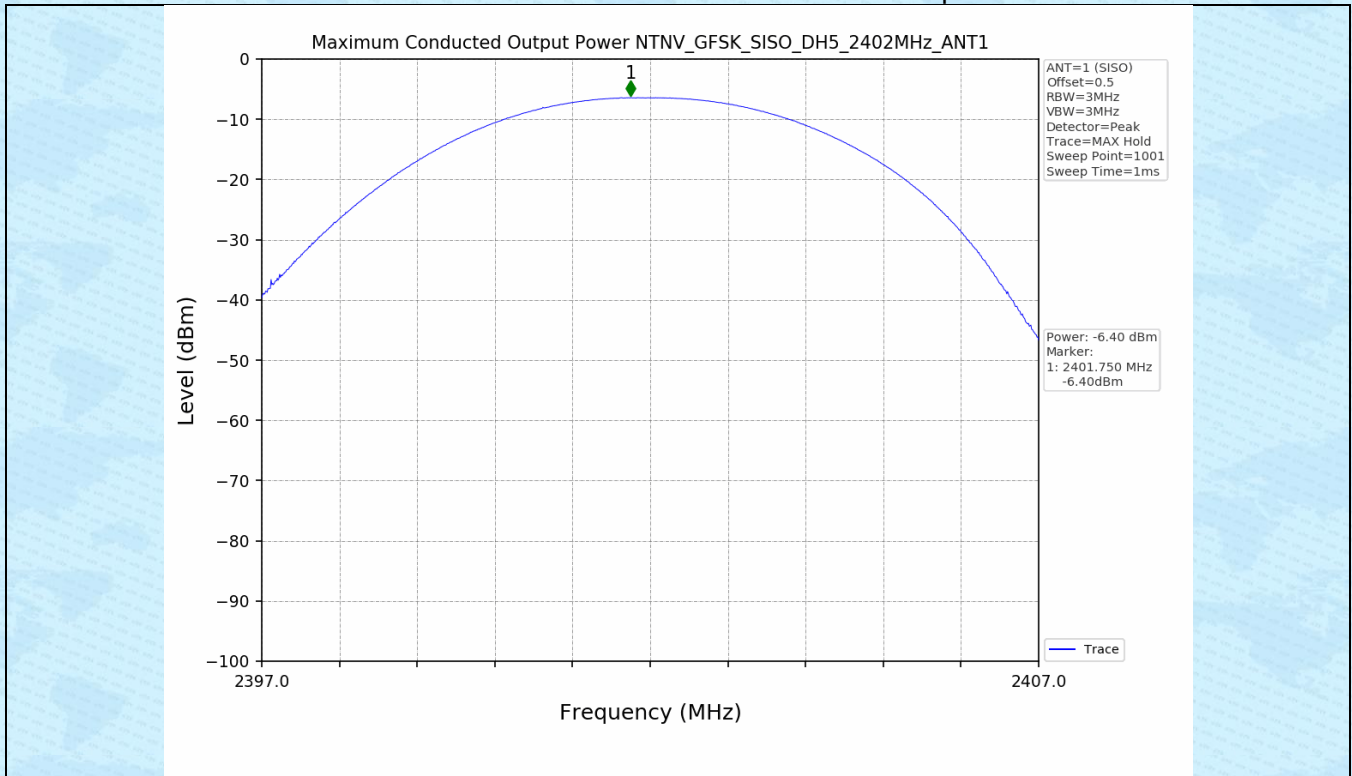
## 2. Maximum Conducted Output Power

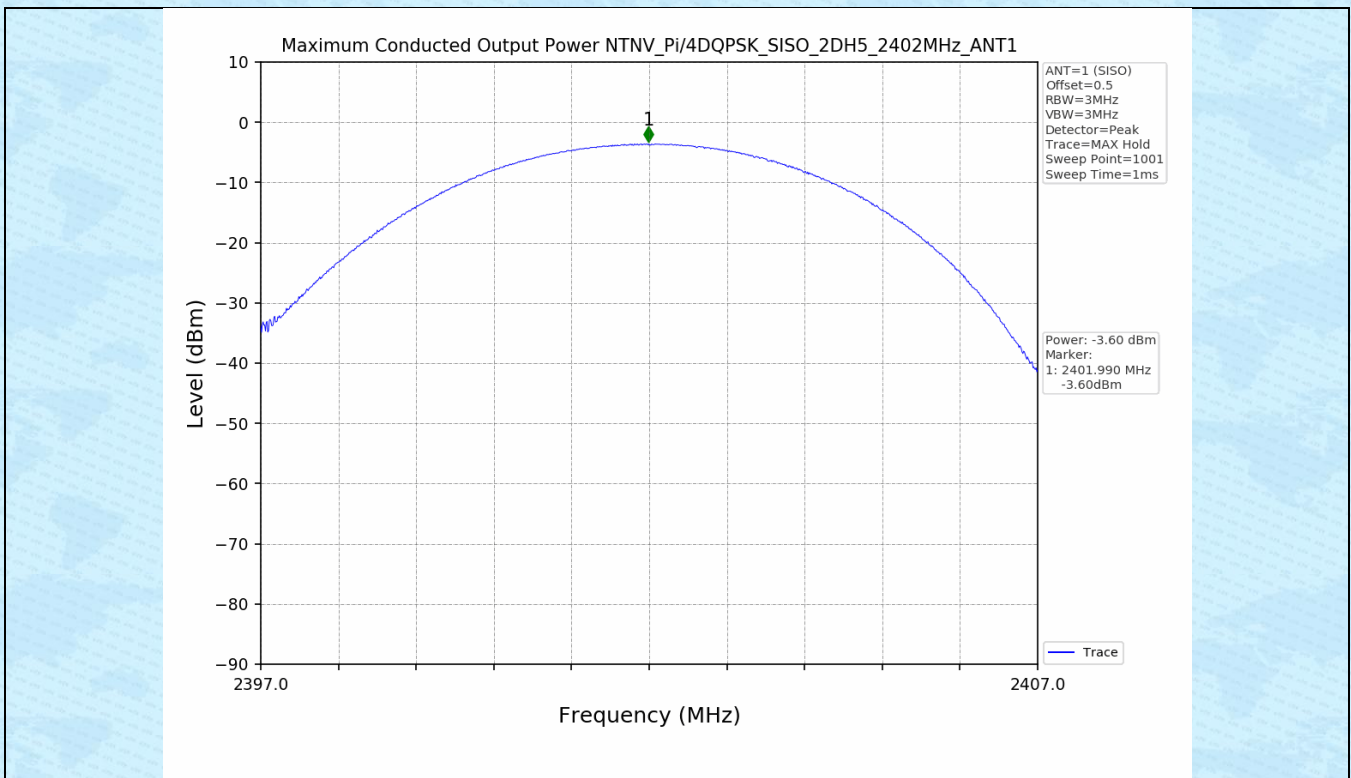
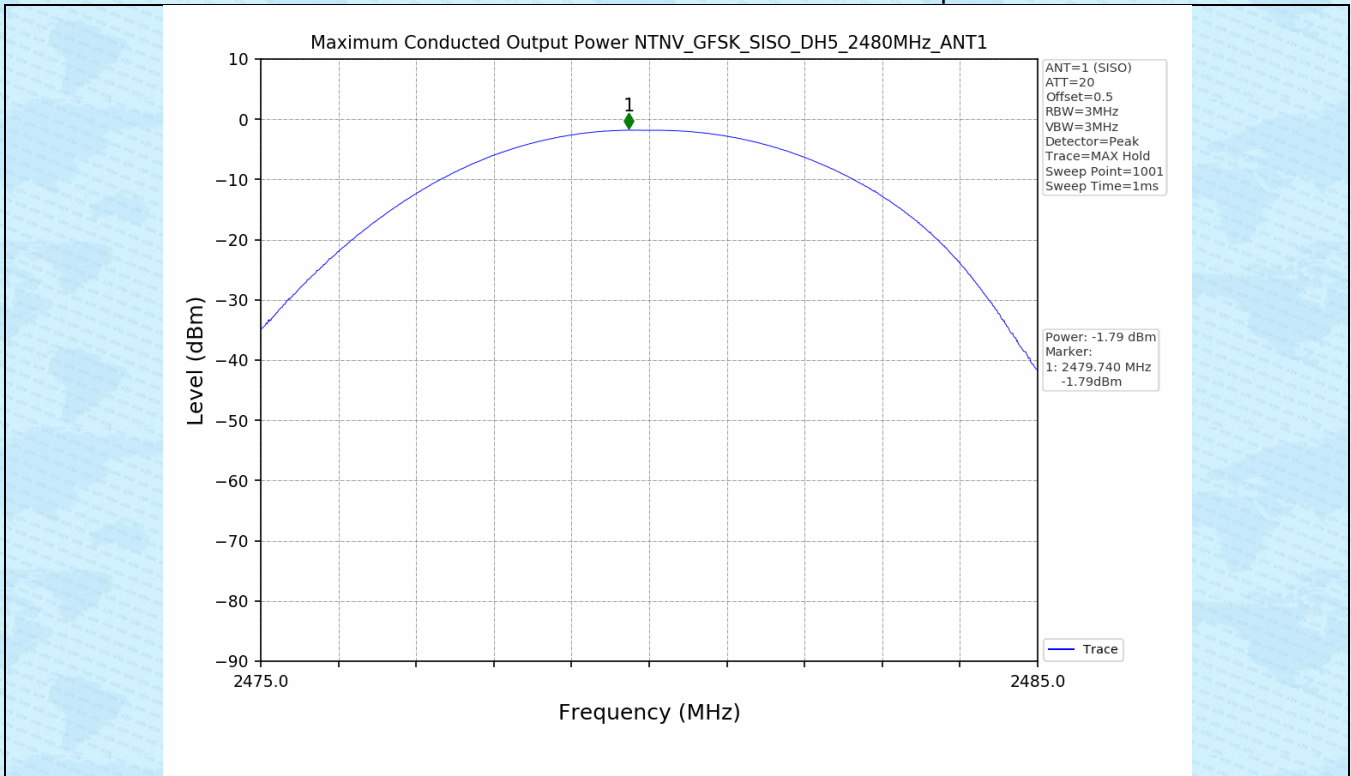
### 2.1 Test Result

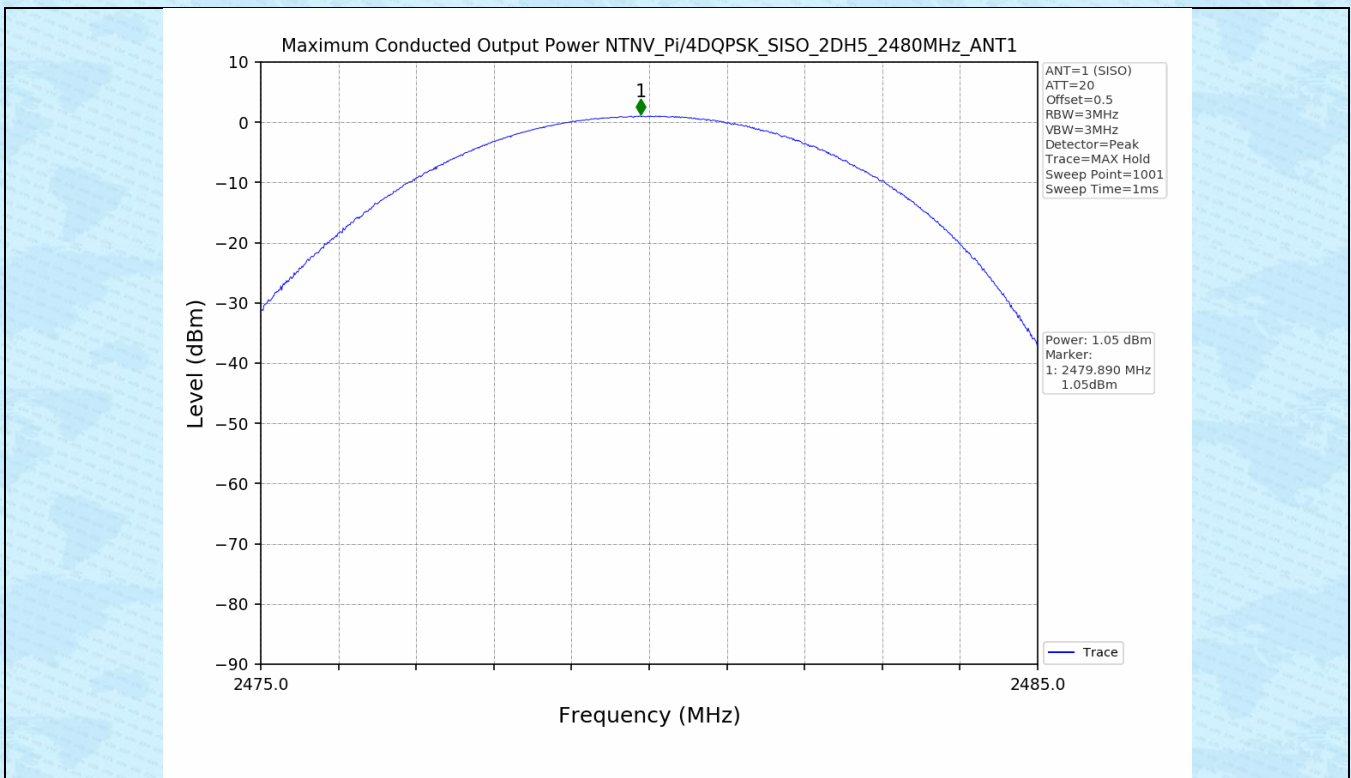
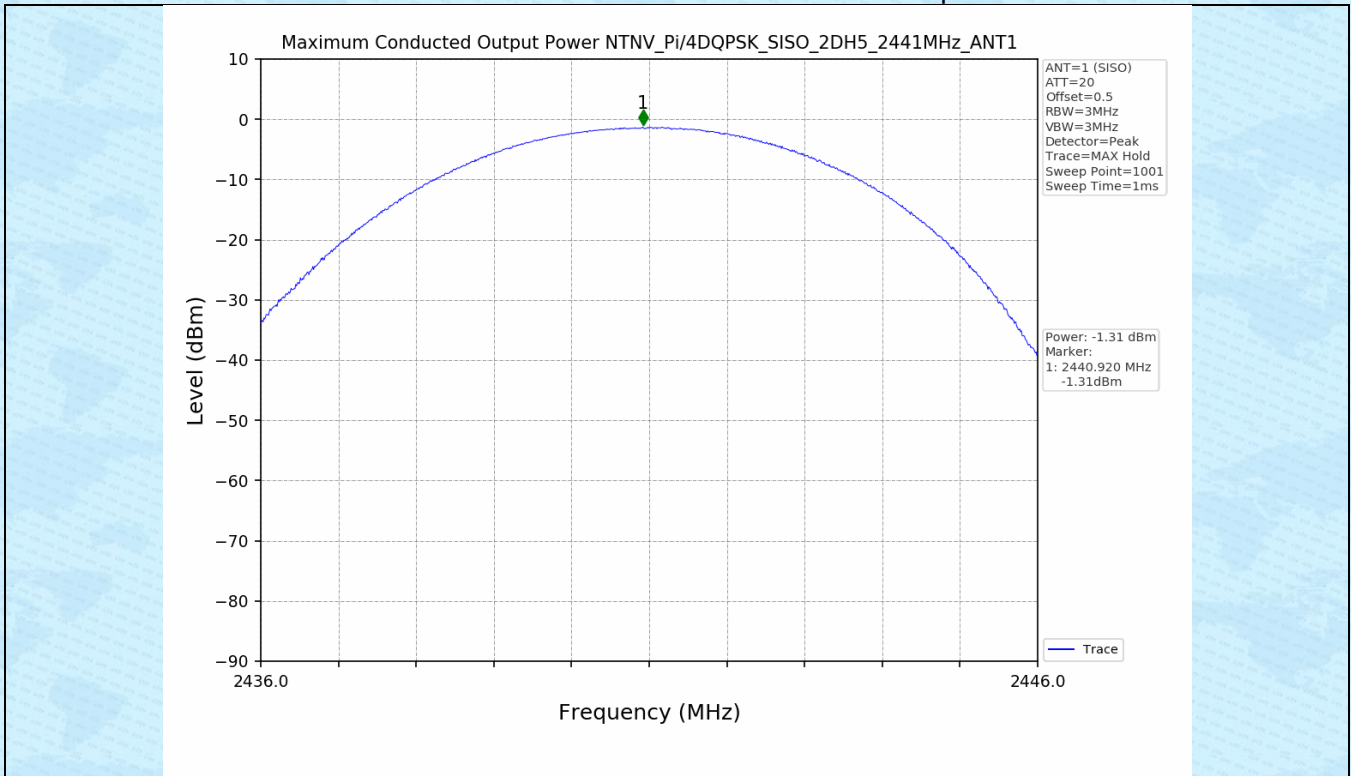
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-6.40	30	PASS
	2441	SISO	-4.12	30	PASS
	2480	SISO	-1.79	30	PASS
Pi/4DQPSK	2402	SISO	-3.60	20.97	PASS
	2441	SISO	-1.31	20.97	PASS
	2480	SISO	1.05	20.97	PASS
8DPSK	2402	SISO	-3.20	20.97	PASS
	2441	SISO	-0.74	20.97	PASS
	2480	SISO	1.73	20.97	PASS

### 2.2 Test Graph

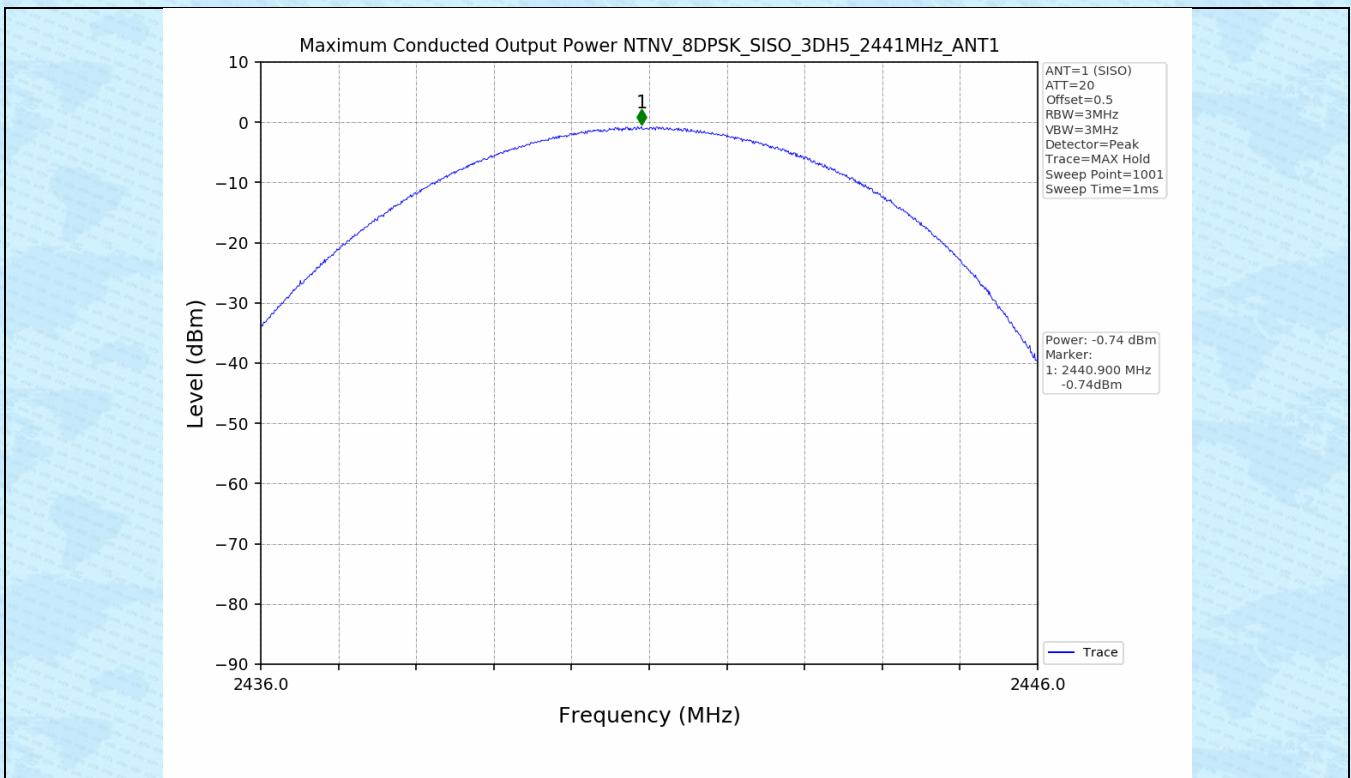
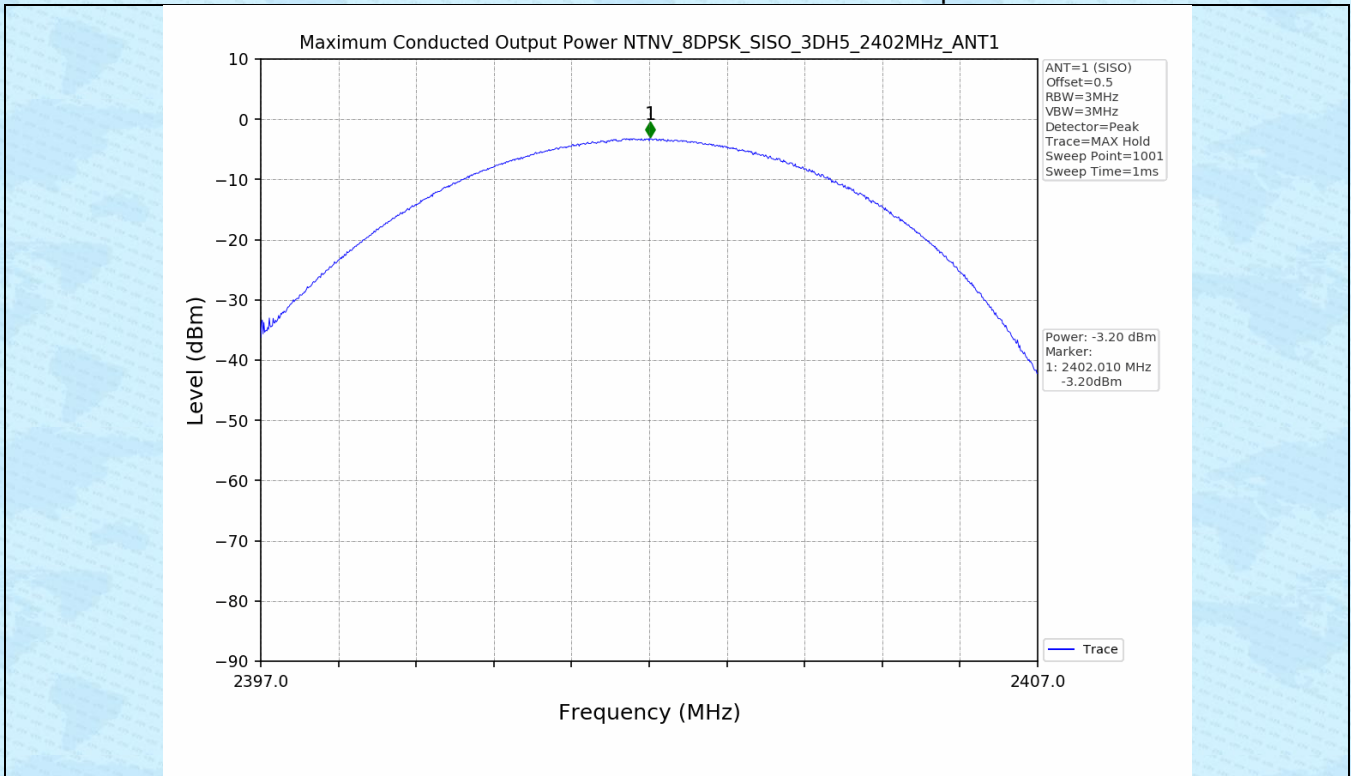


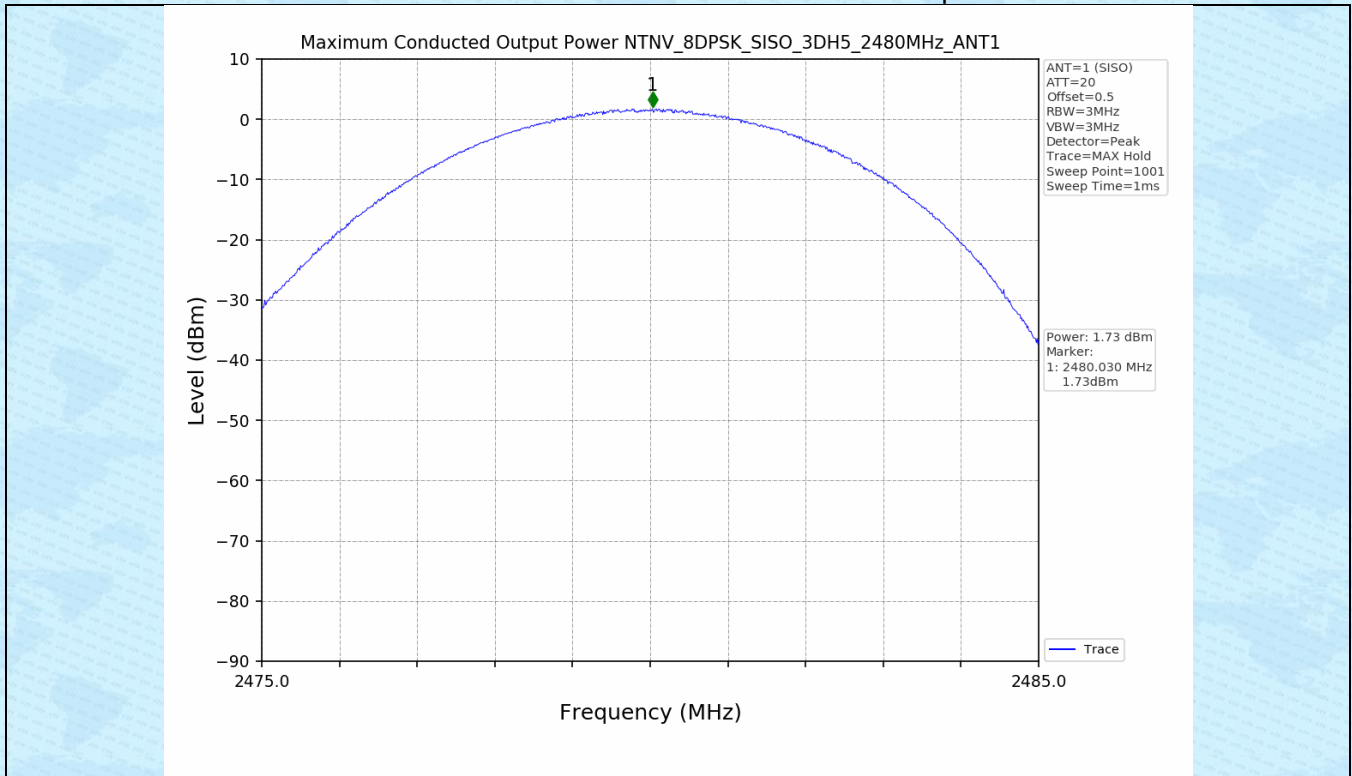










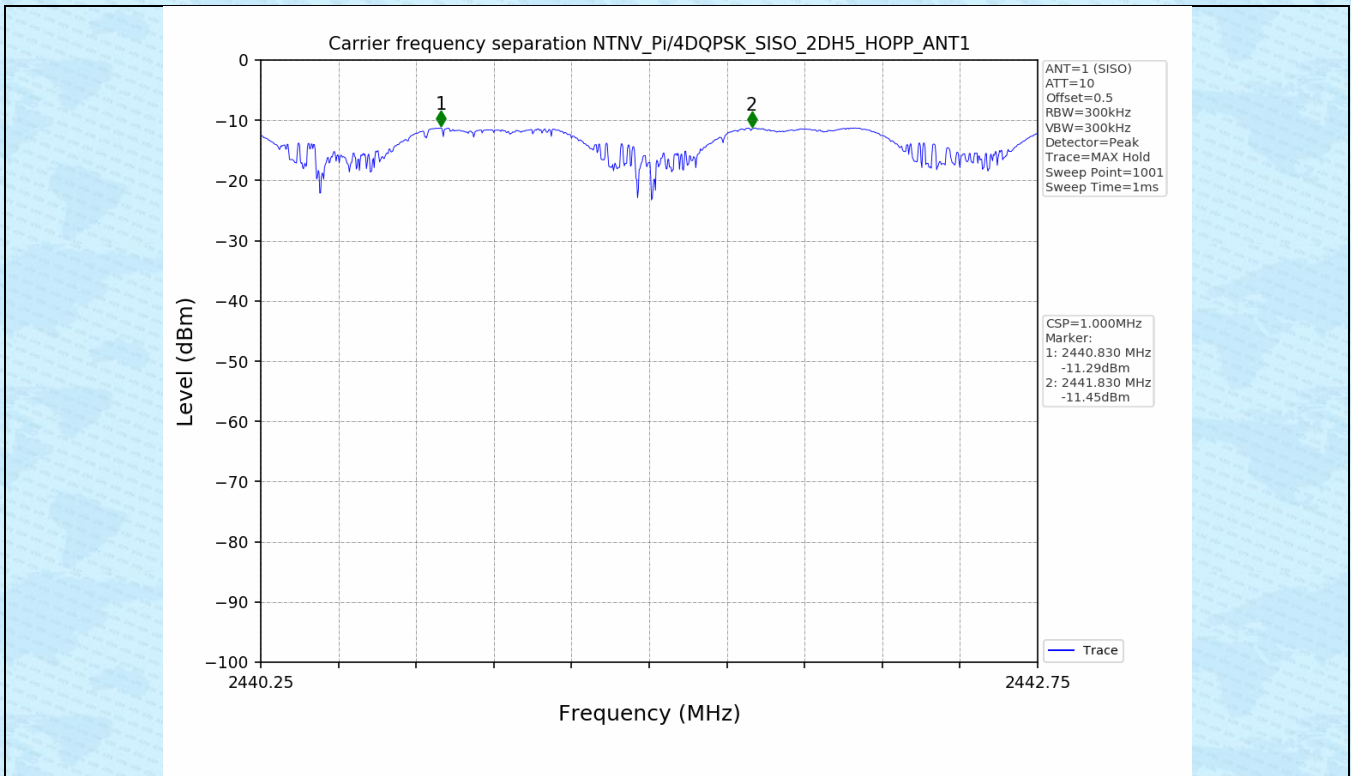
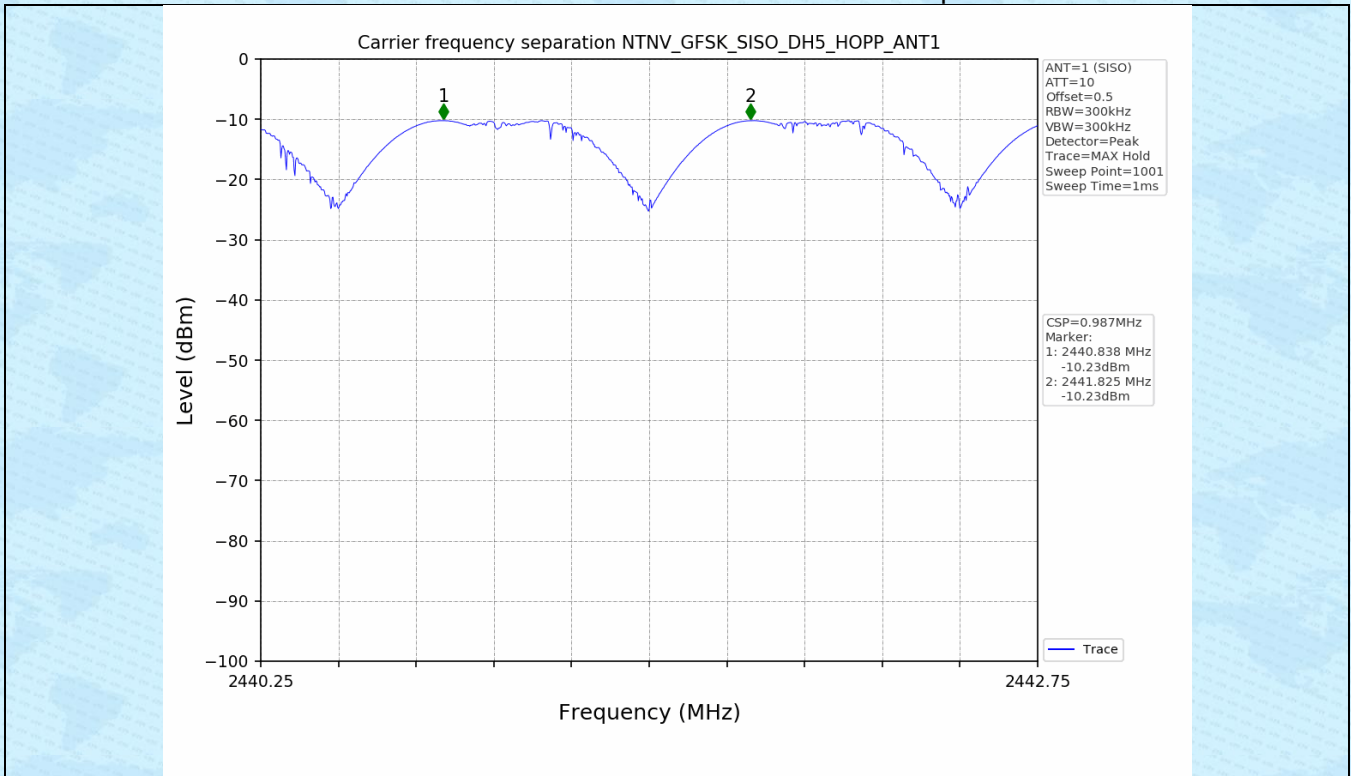


### 3. Carrier frequency separation

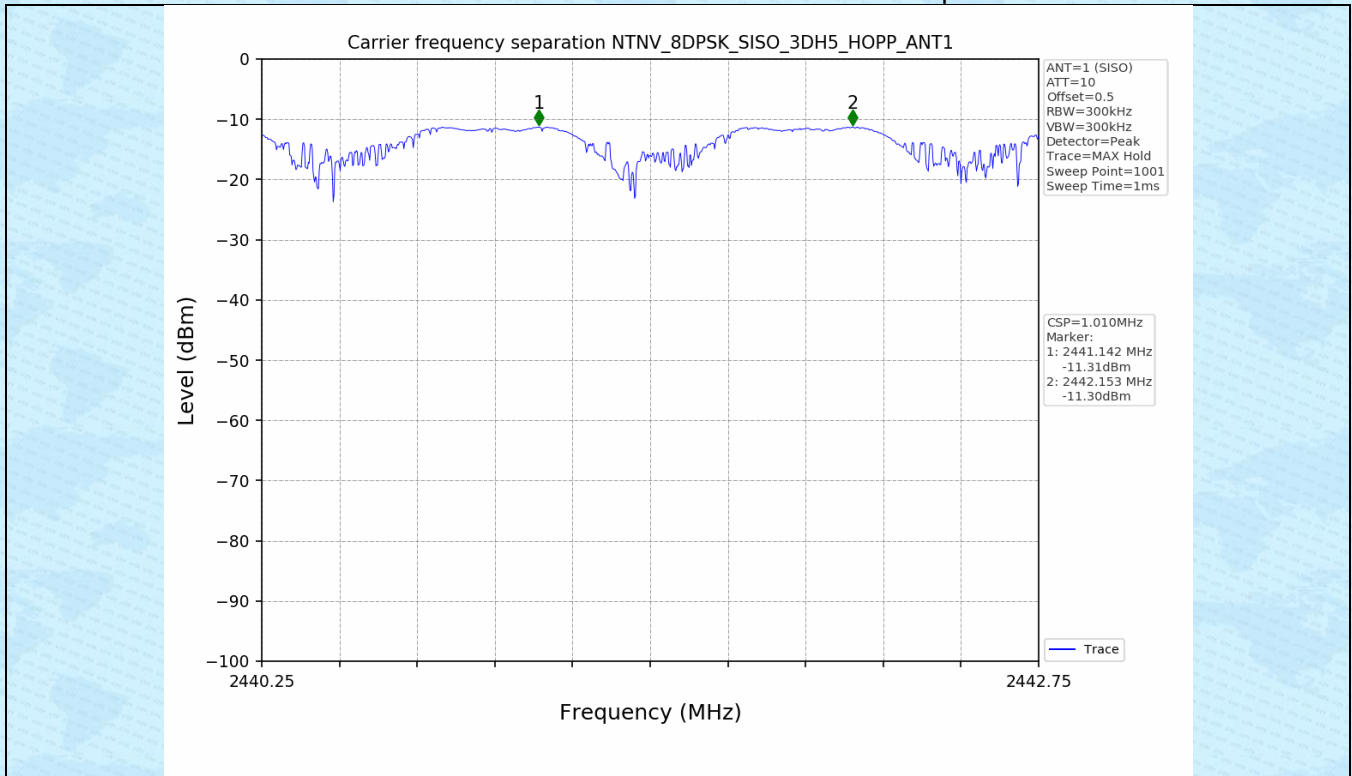
#### 3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	0.987	0.953	$\geq 0.953$	PASS
Pi/4DQPSK	SISO	1	1.000	1.321	$\geq 0.881$	PASS
8DPSK	SISO	1	1.010	1.294	$\geq 0.863$	PASS

#### 3.2 Test Graph





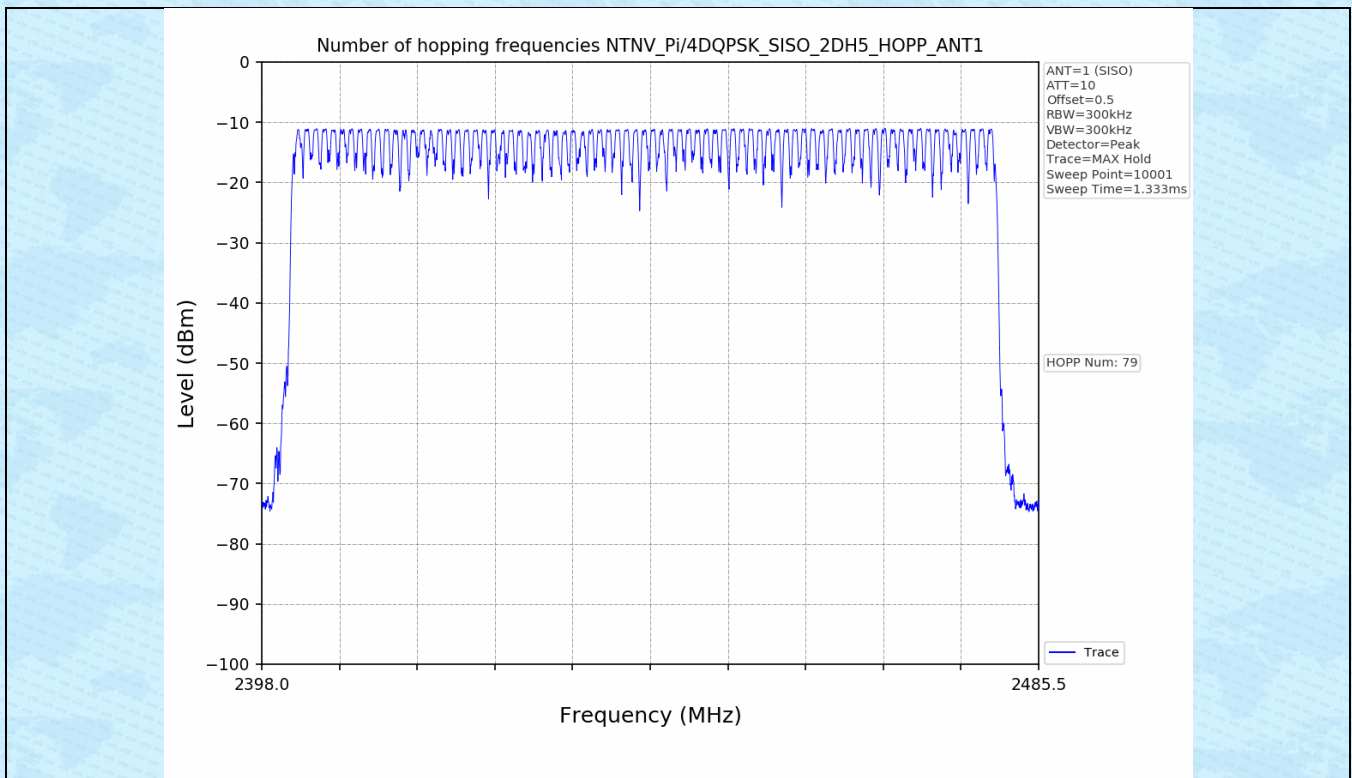
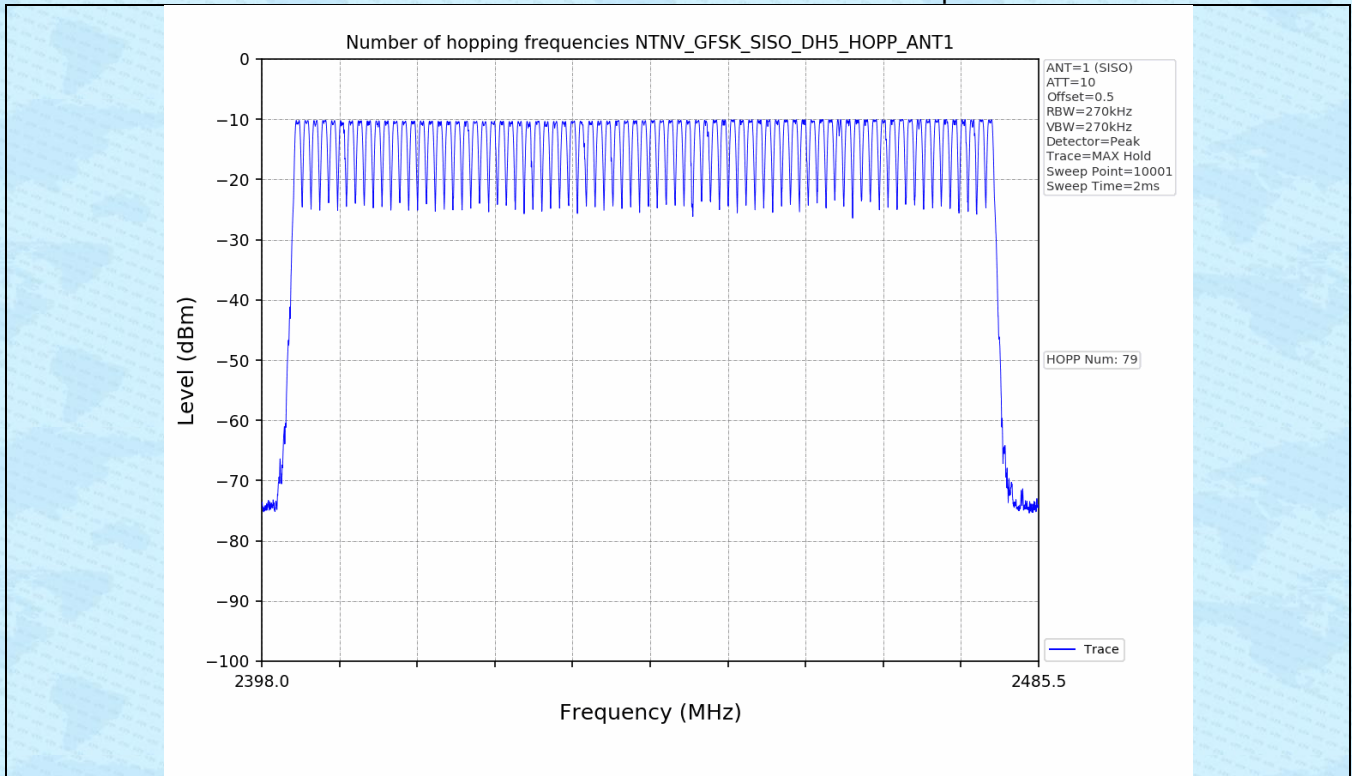


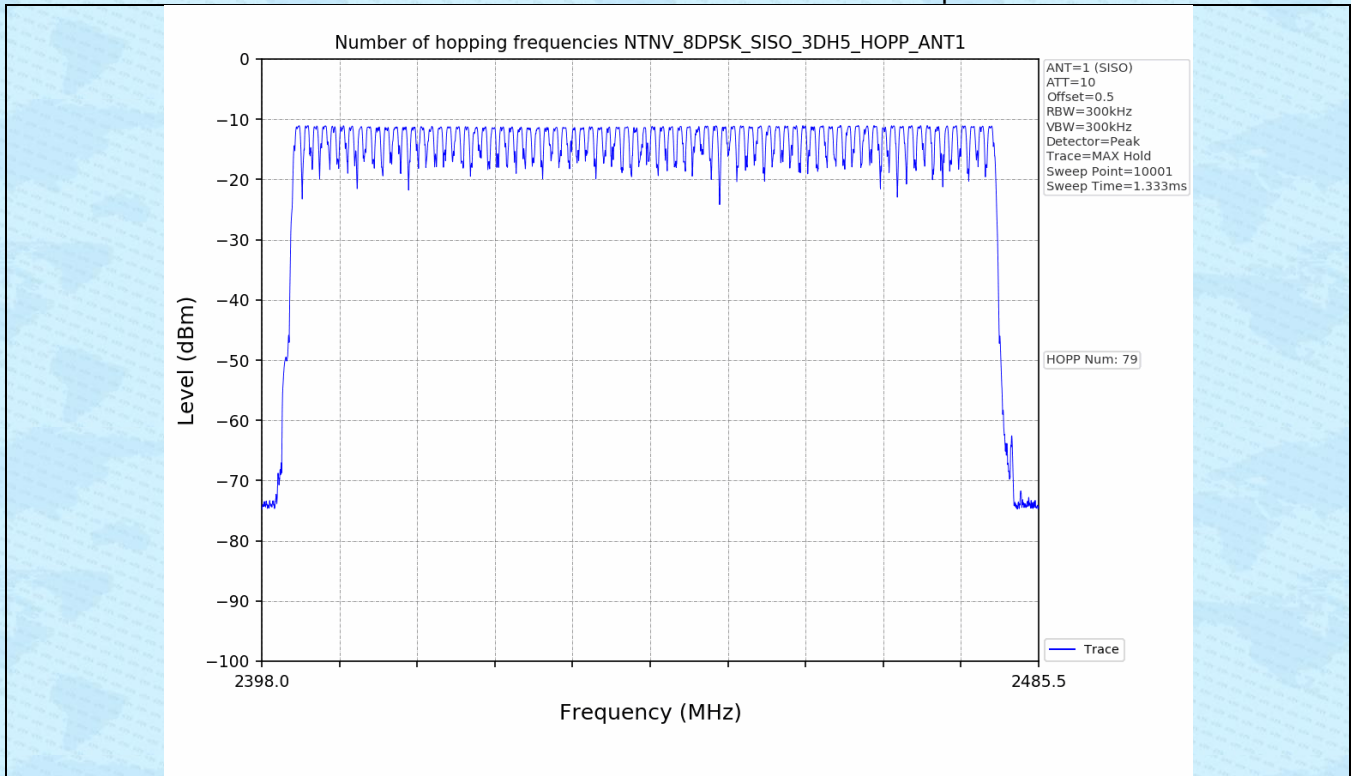
## 4. Number of hopping frequencies

### 4.1 Test Result

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

### 4.2 Test Graph





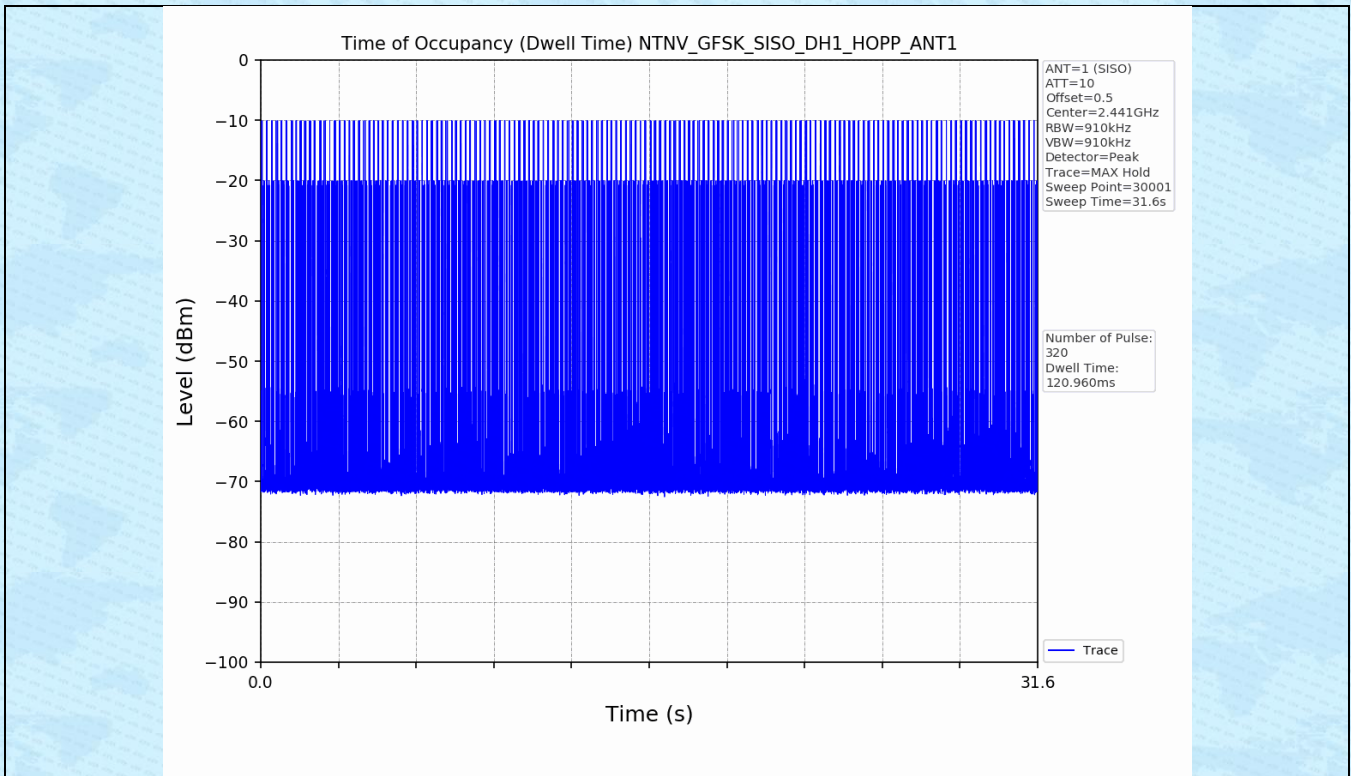
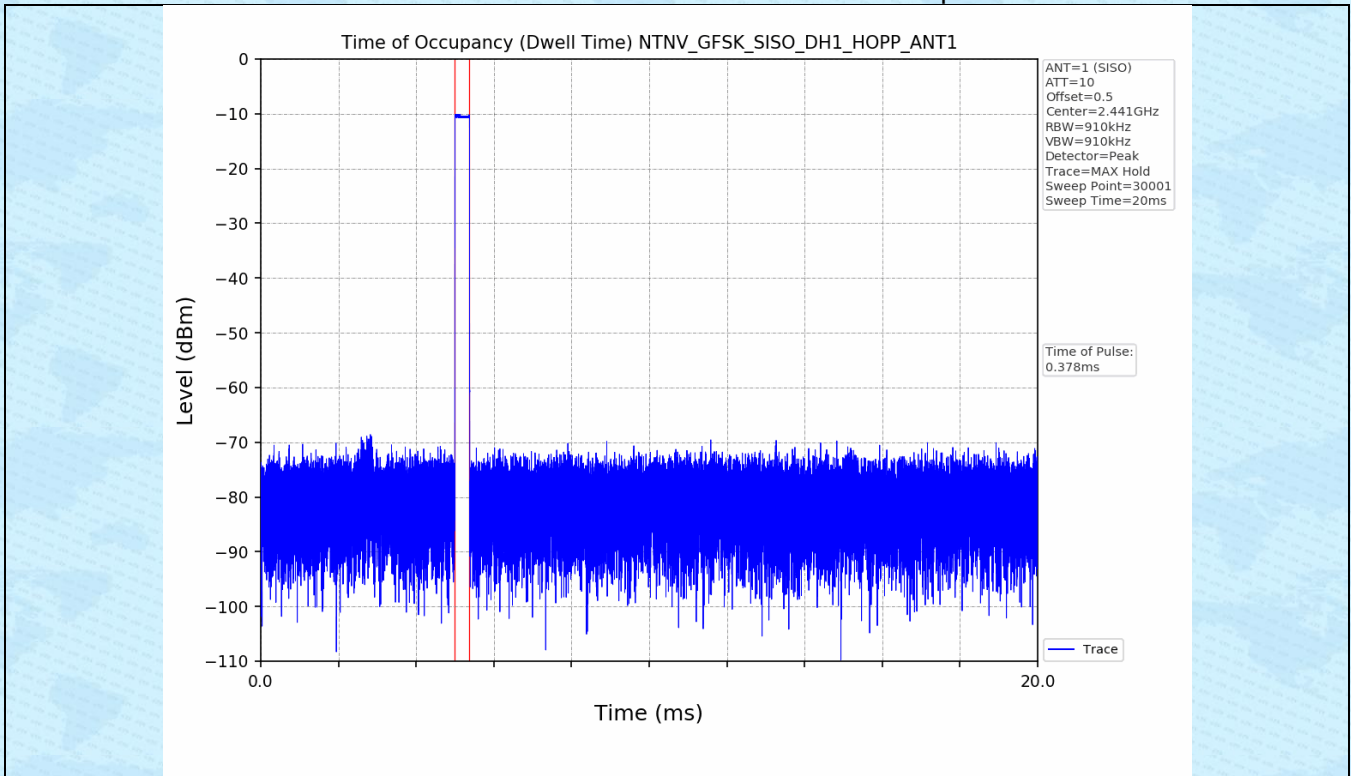
## 5. Time of Occupancy (Dwell Time)

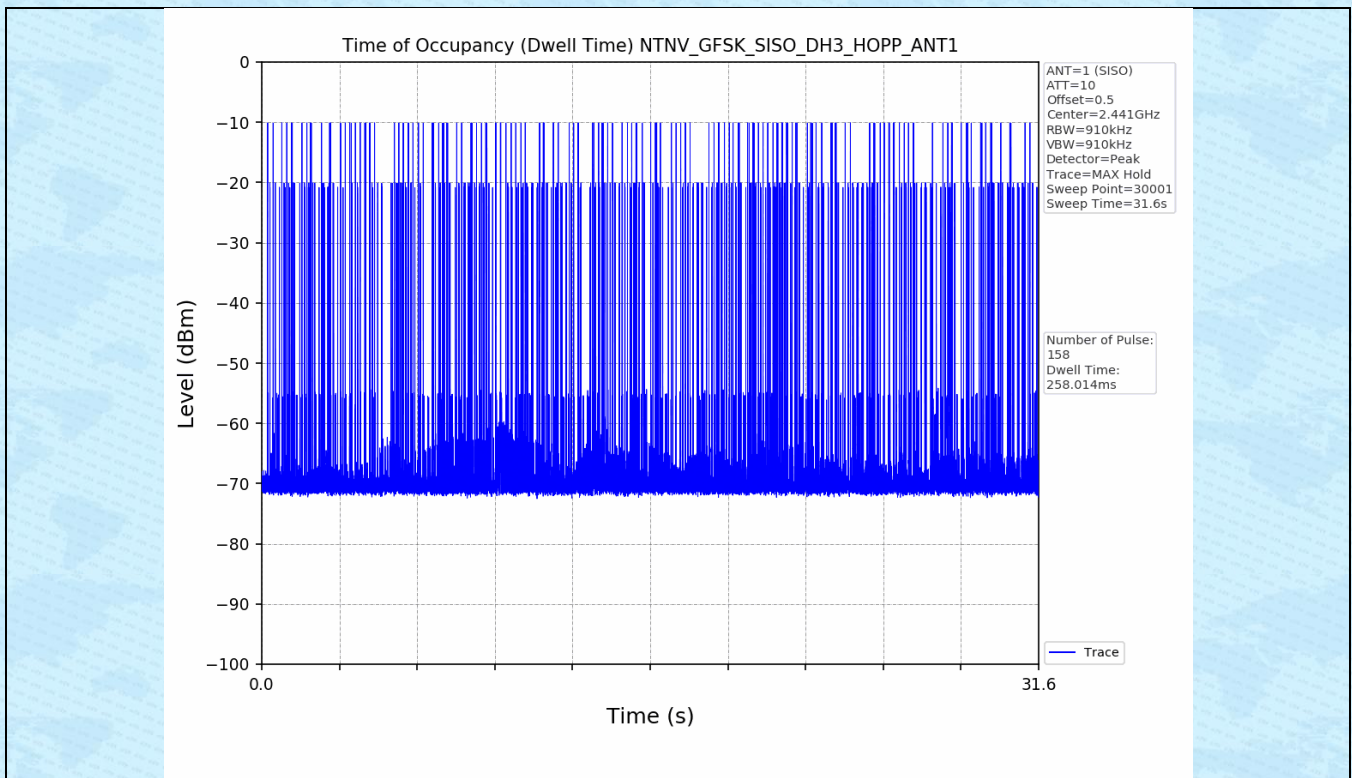
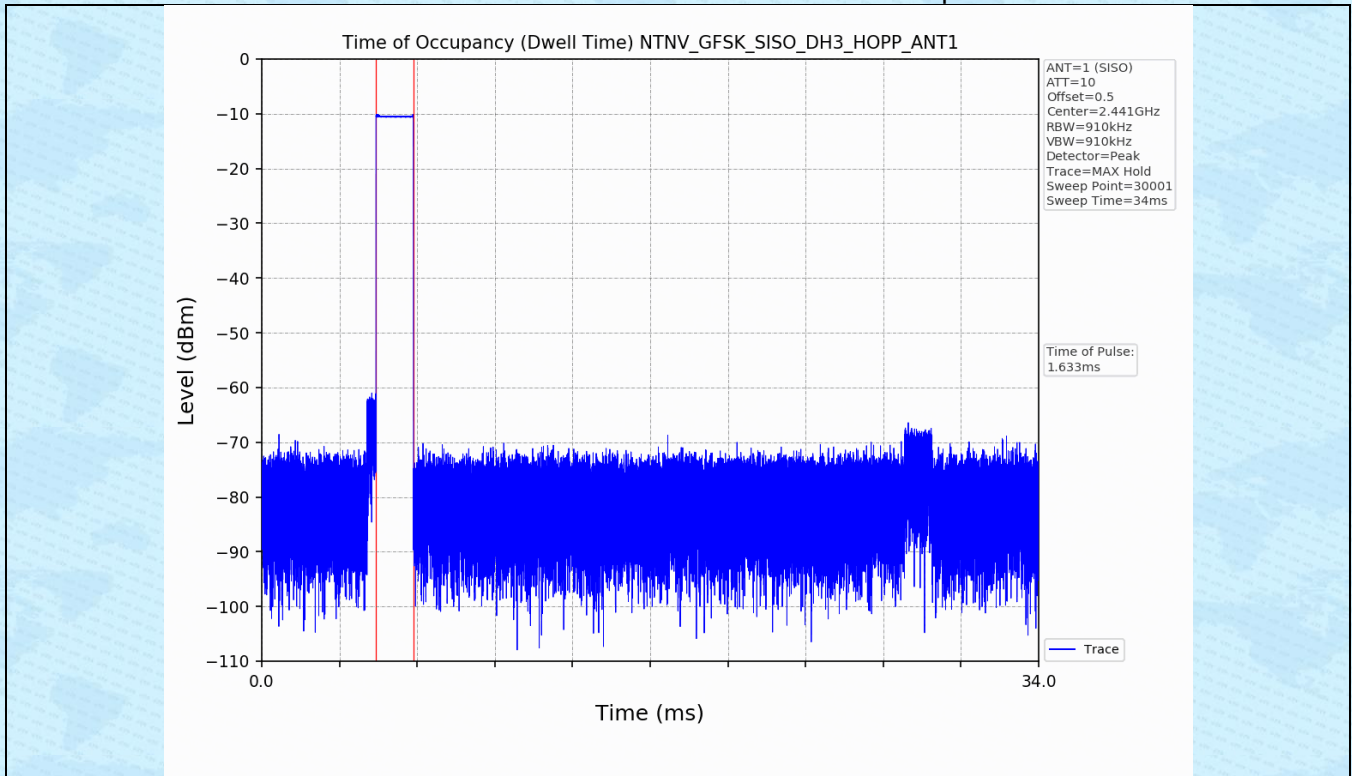
### 5.1 Test Result

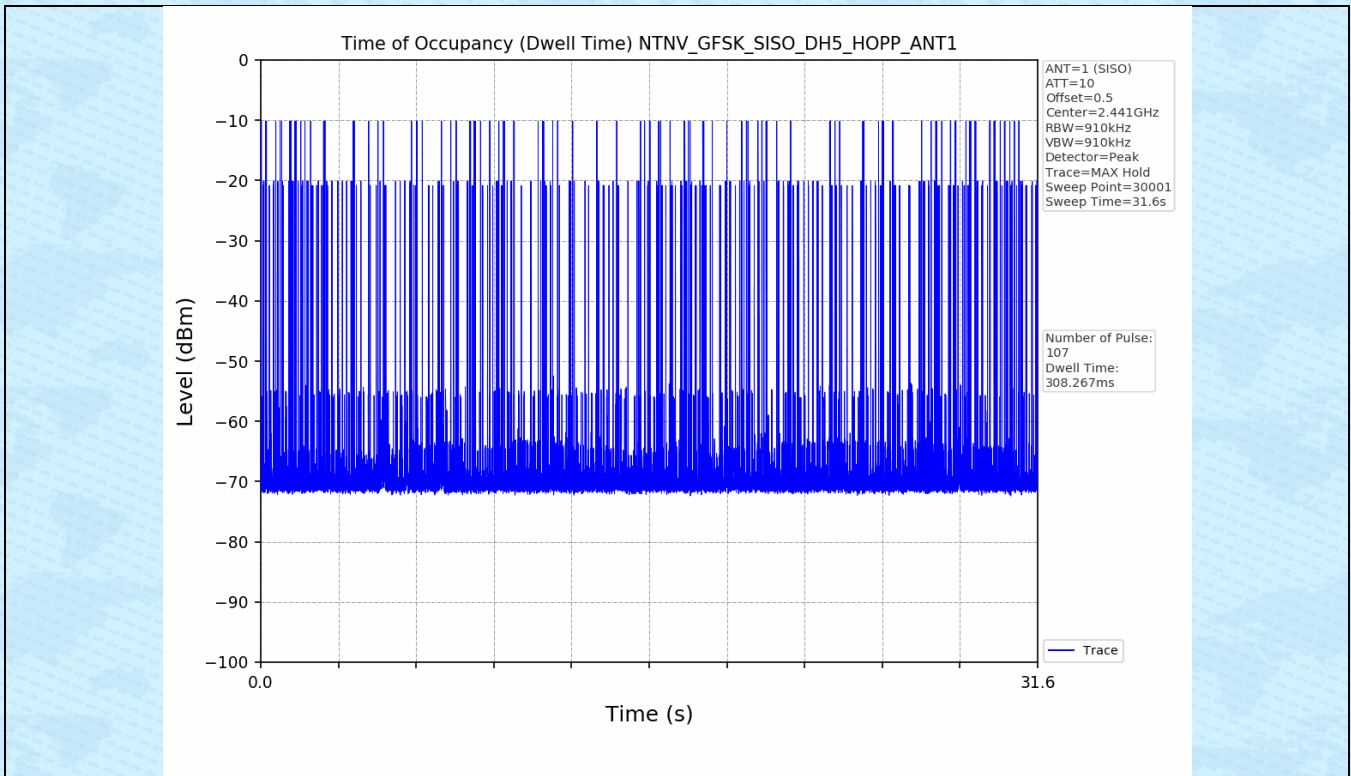
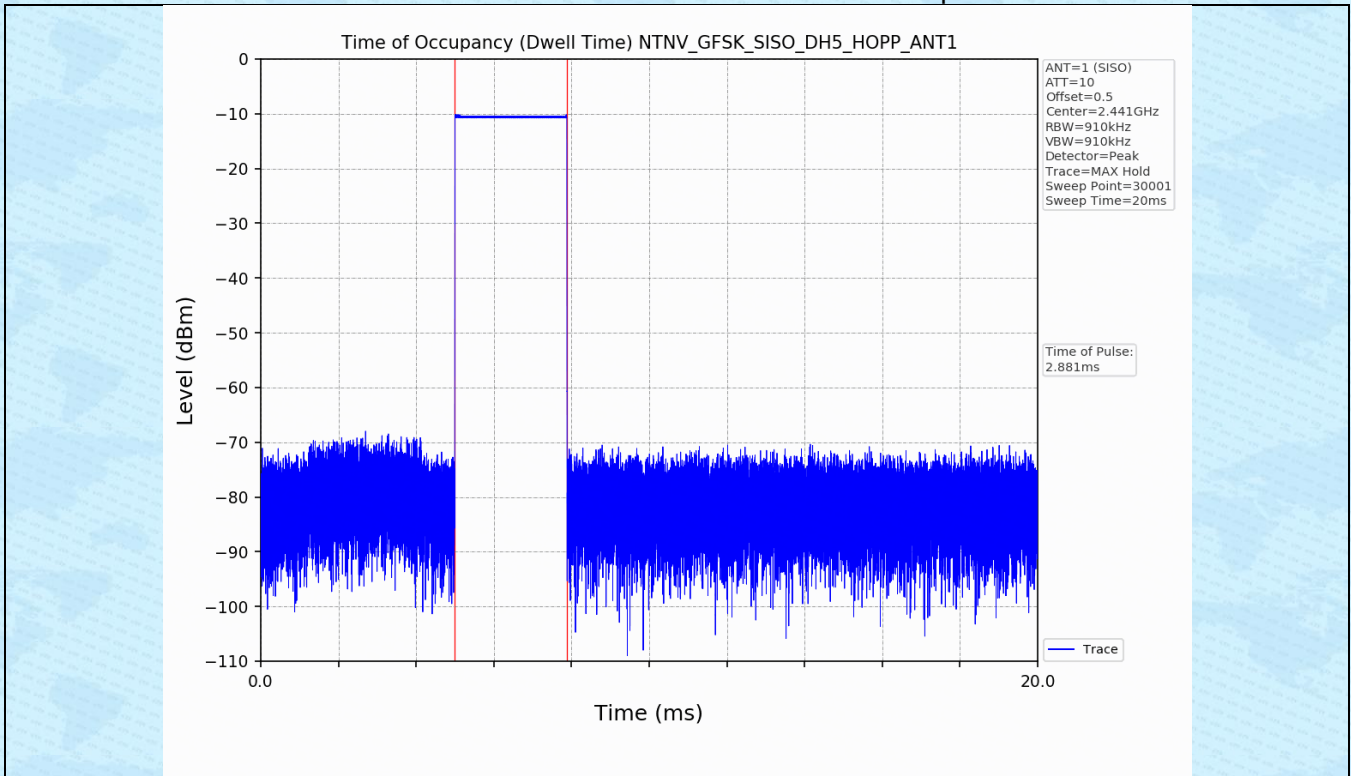
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.378	31.6	320	120.960	≤400	PASS
	DH3	SISO	1	1.633	31.6	158	258.014	≤400	PASS
	DH5	SISO	1	2.881	31.6	107	308.267	≤400	PASS
Pi/4DQ PSK	2DH1	SISO	1	0.386	31.6	320	123.520	≤400	PASS
	2DH3	SISO	1	1.639	31.6	159	260.601	≤400	PASS
	2DH5	SISO	1	2.818	31.6	105	295.890	≤400	PASS
8DPSK	3DH1	SISO	1	0.387	31.6	320	123.840	≤400	PASS
	3DH3	SISO	1	1.638	31.6	159	260.442	≤400	PASS
	3DH5	SISO	1	2.888	31.6	102	294.576	≤400	PASS

### 5.2 Test Graph

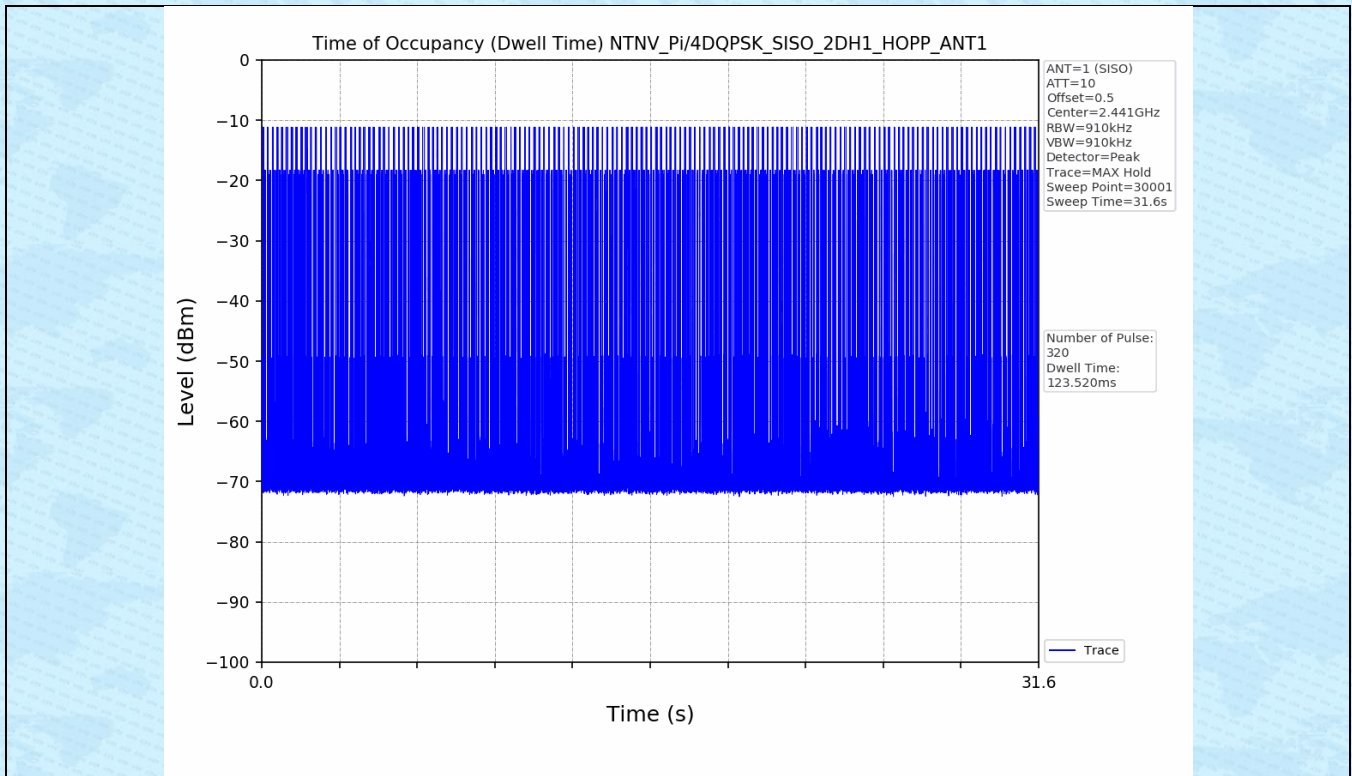
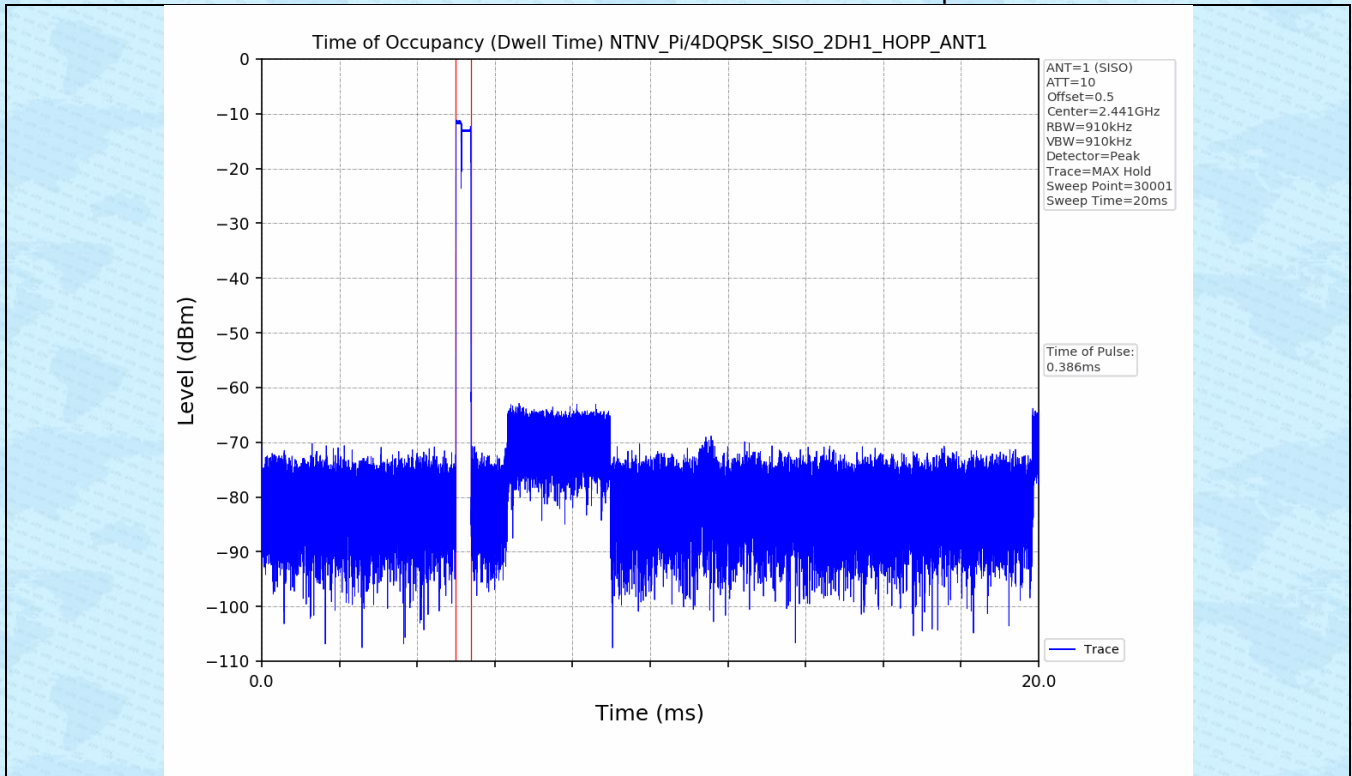


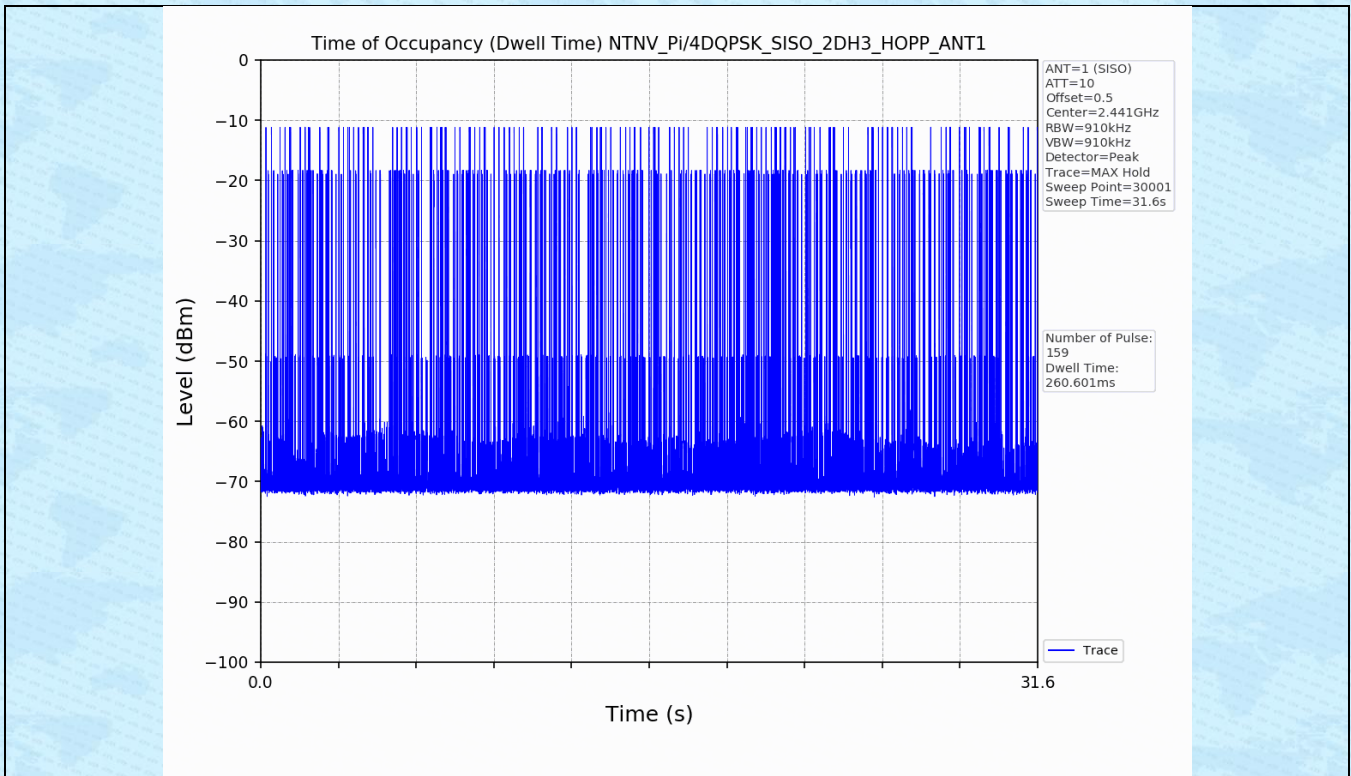
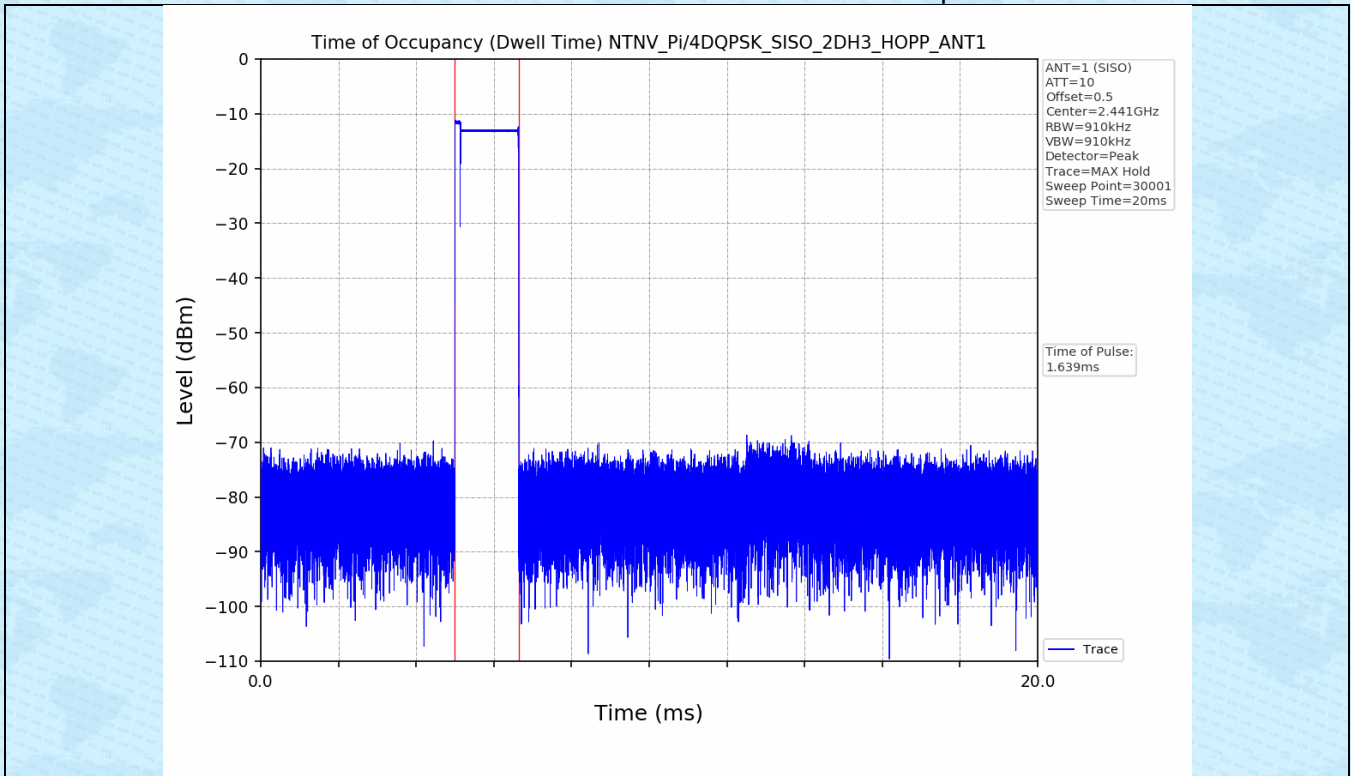


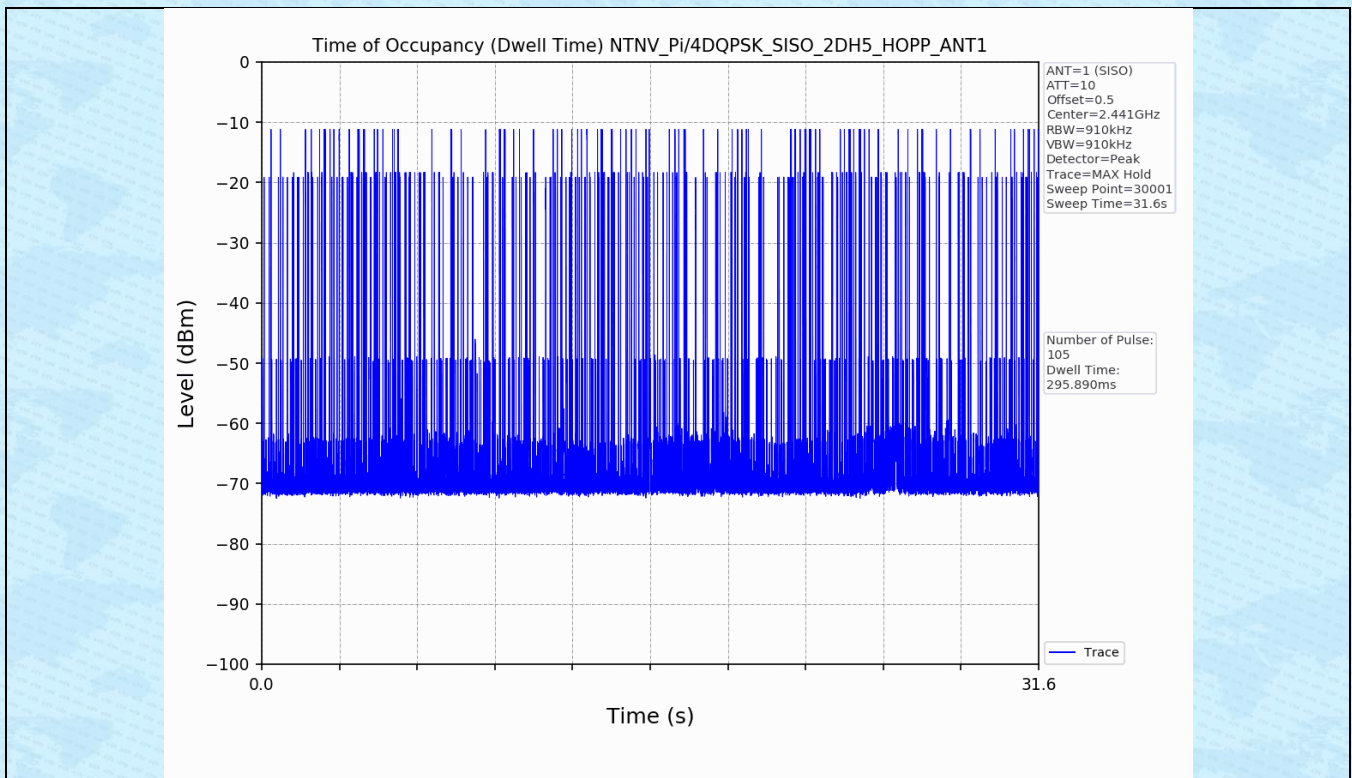
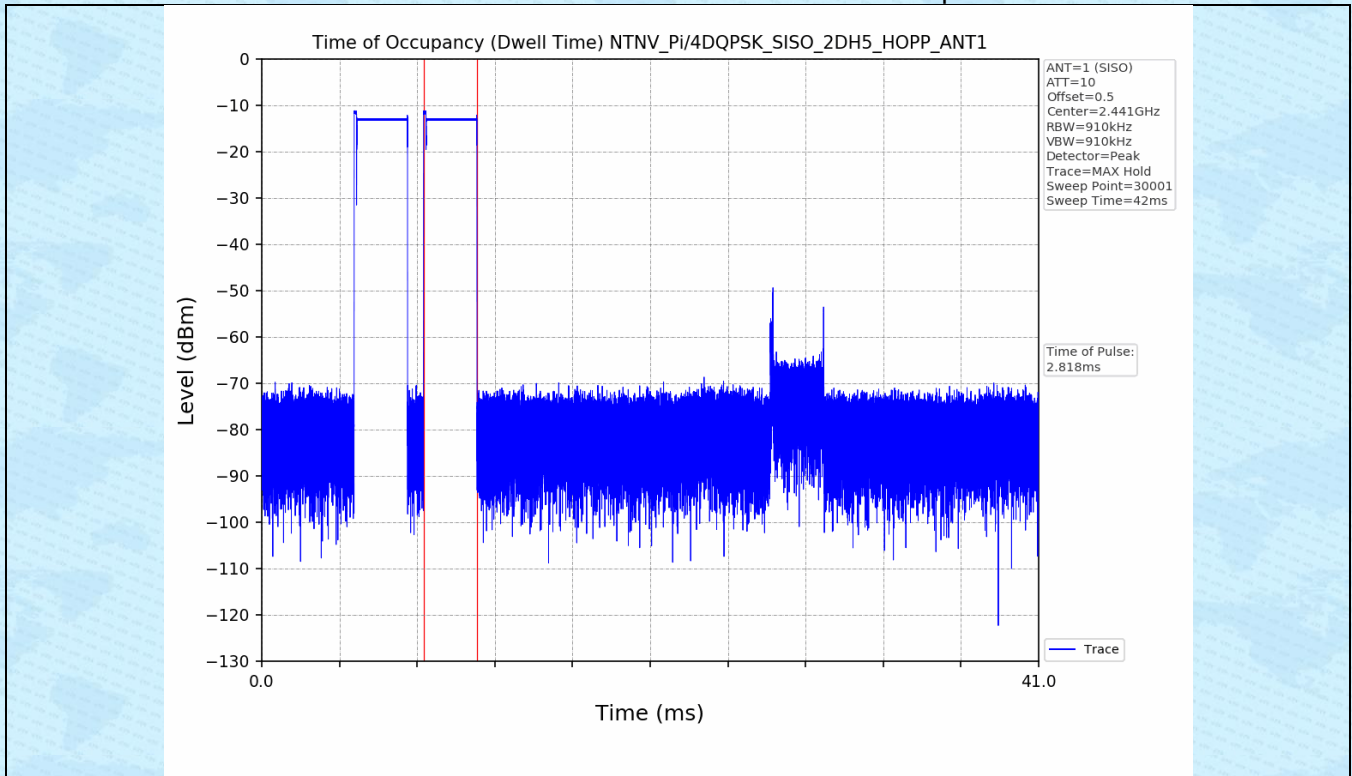




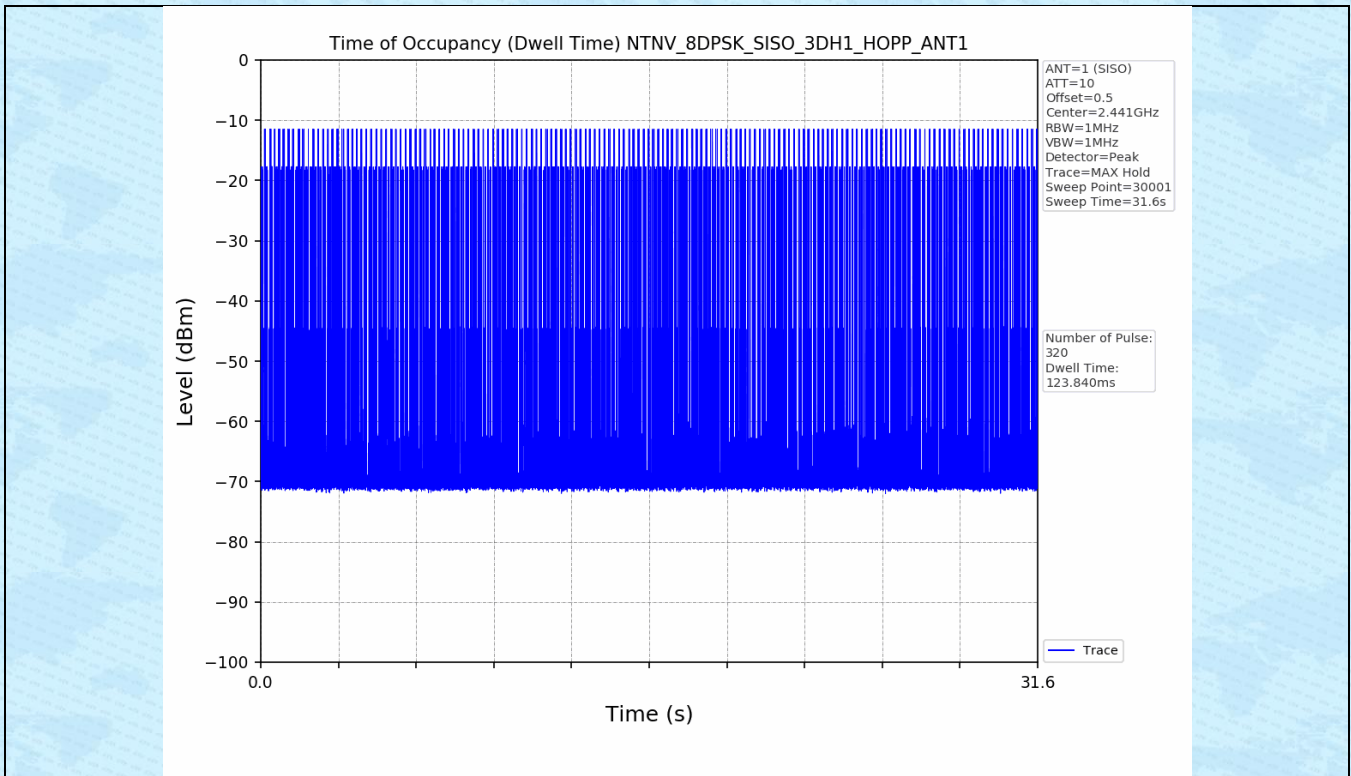
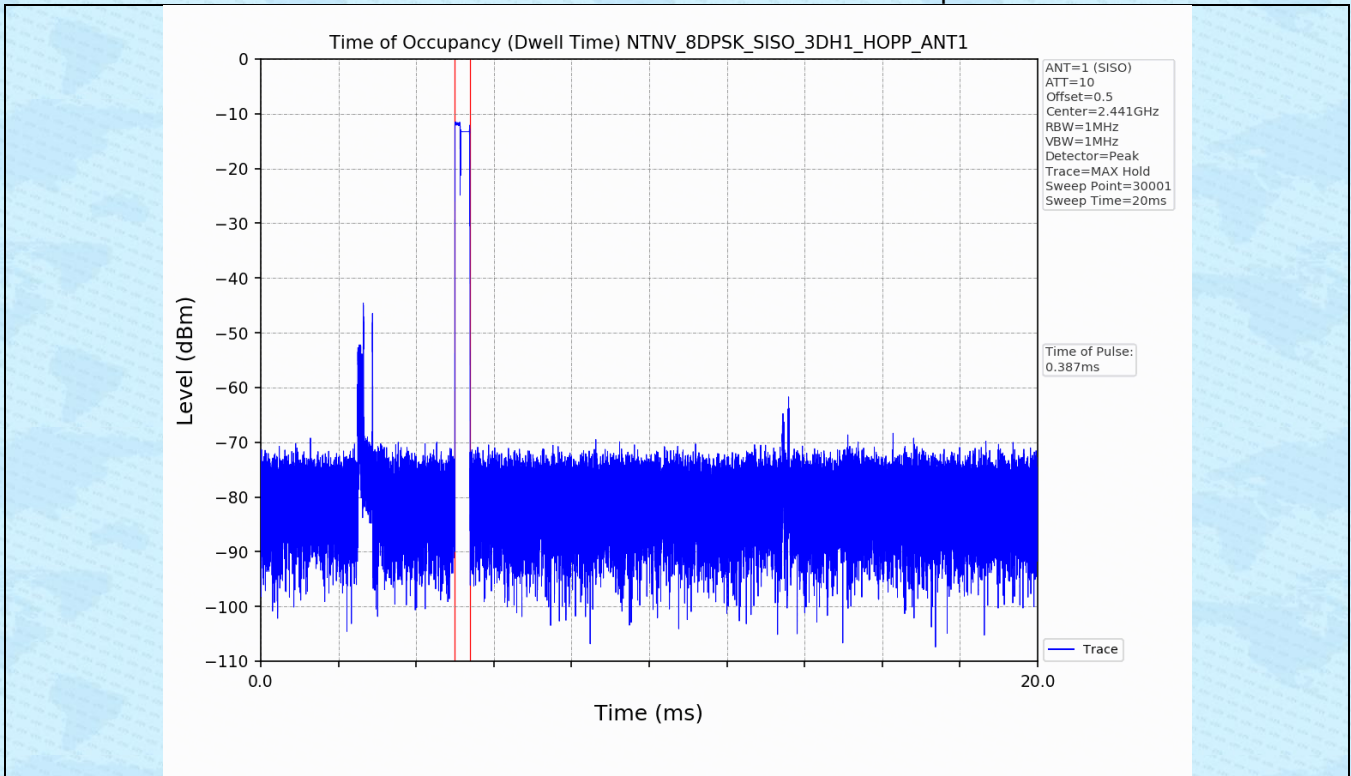


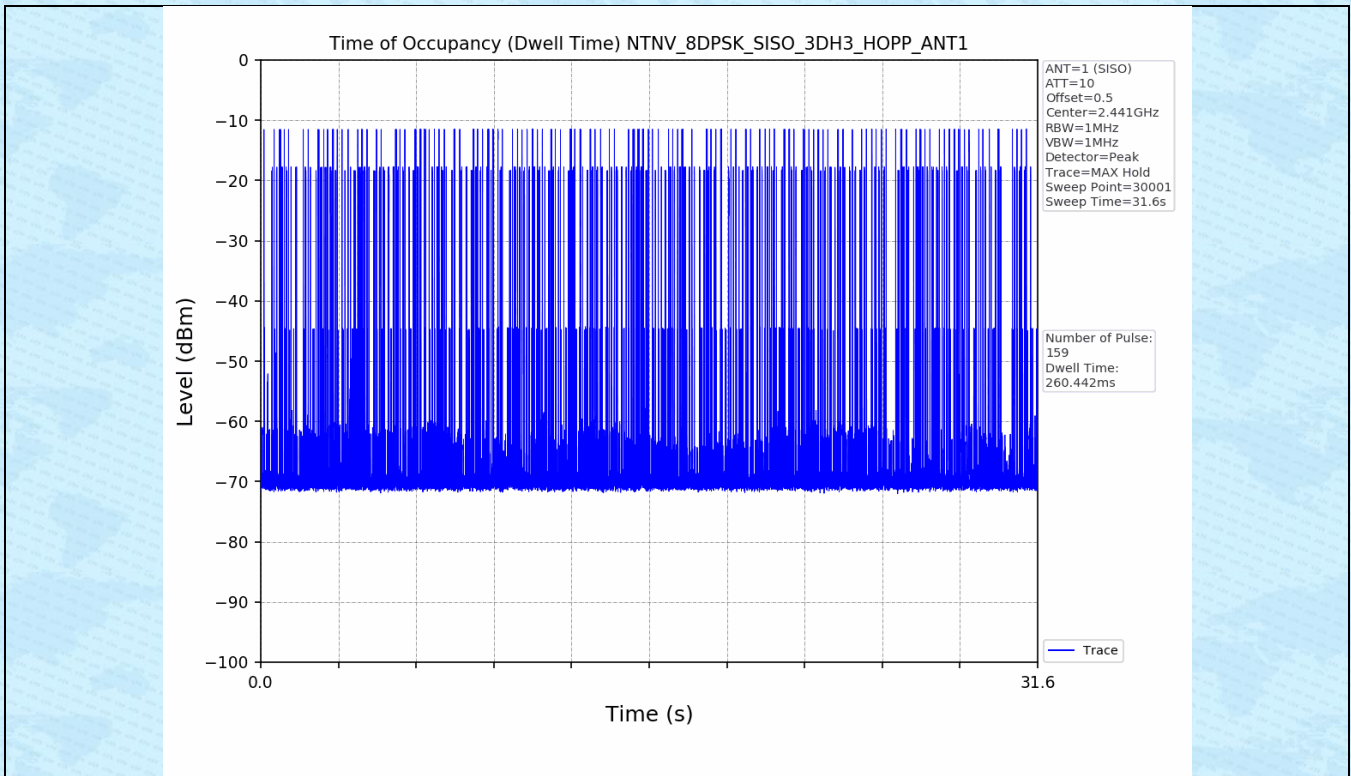
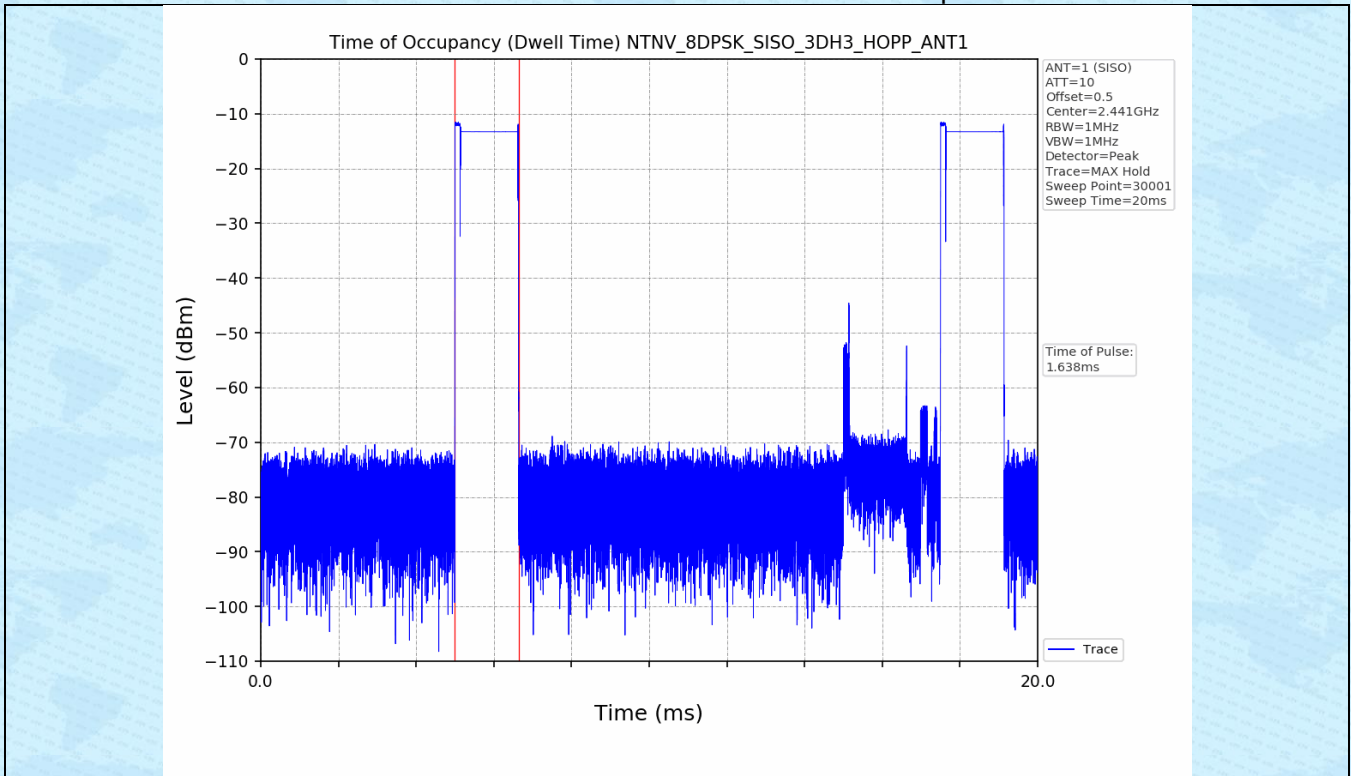


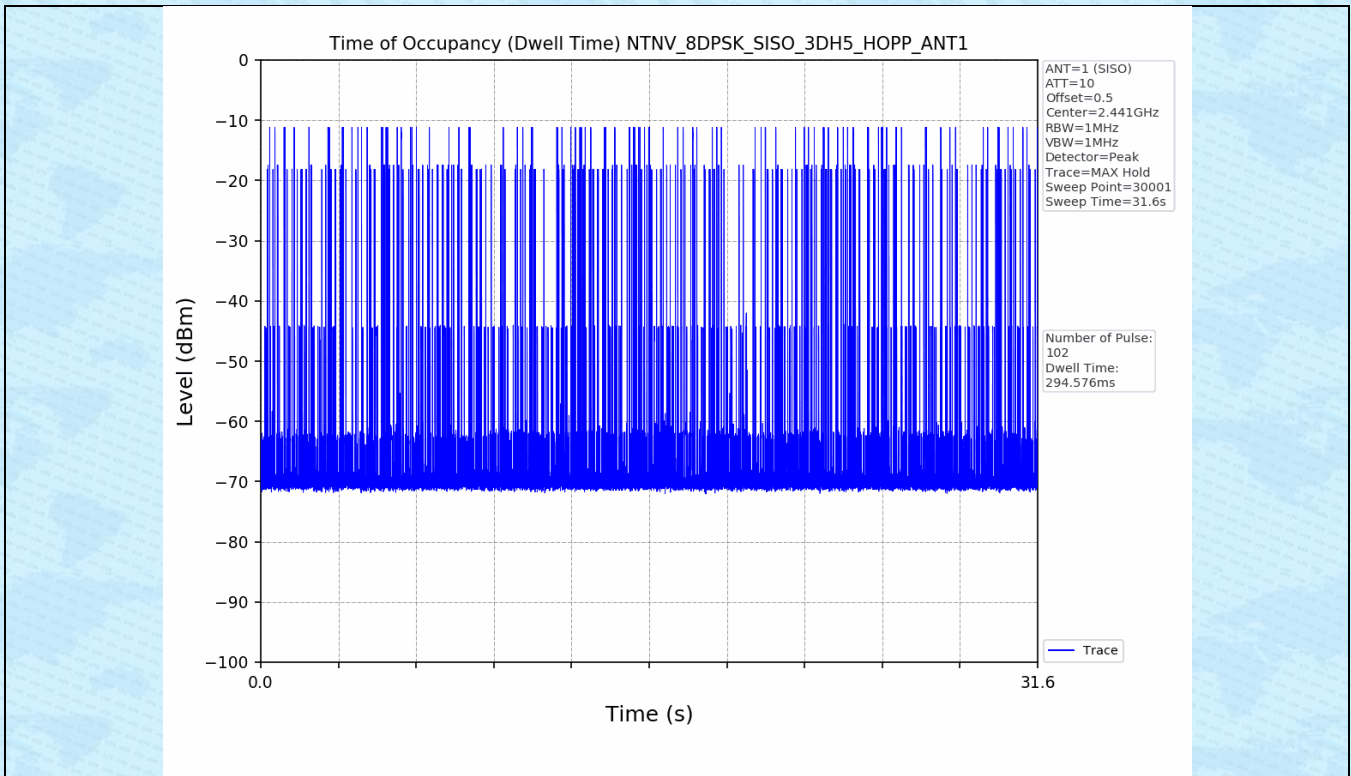
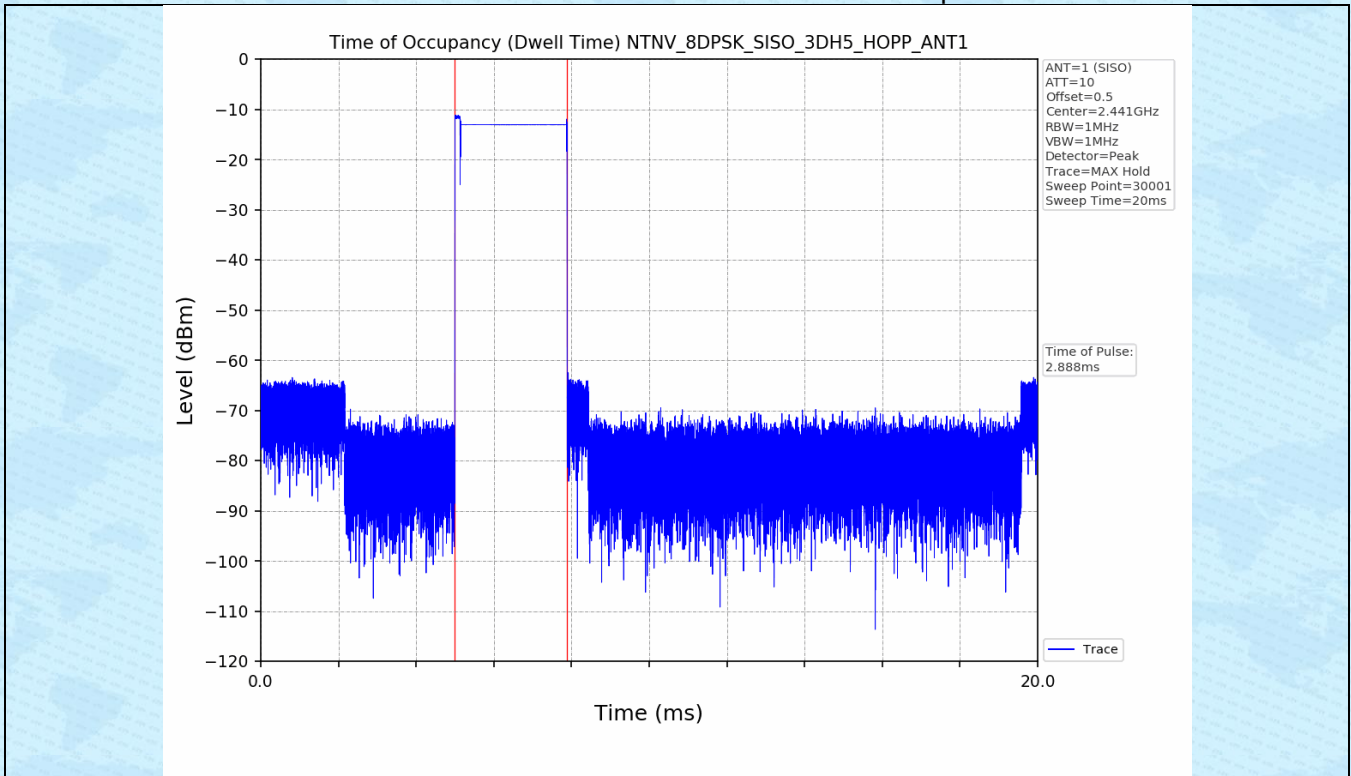












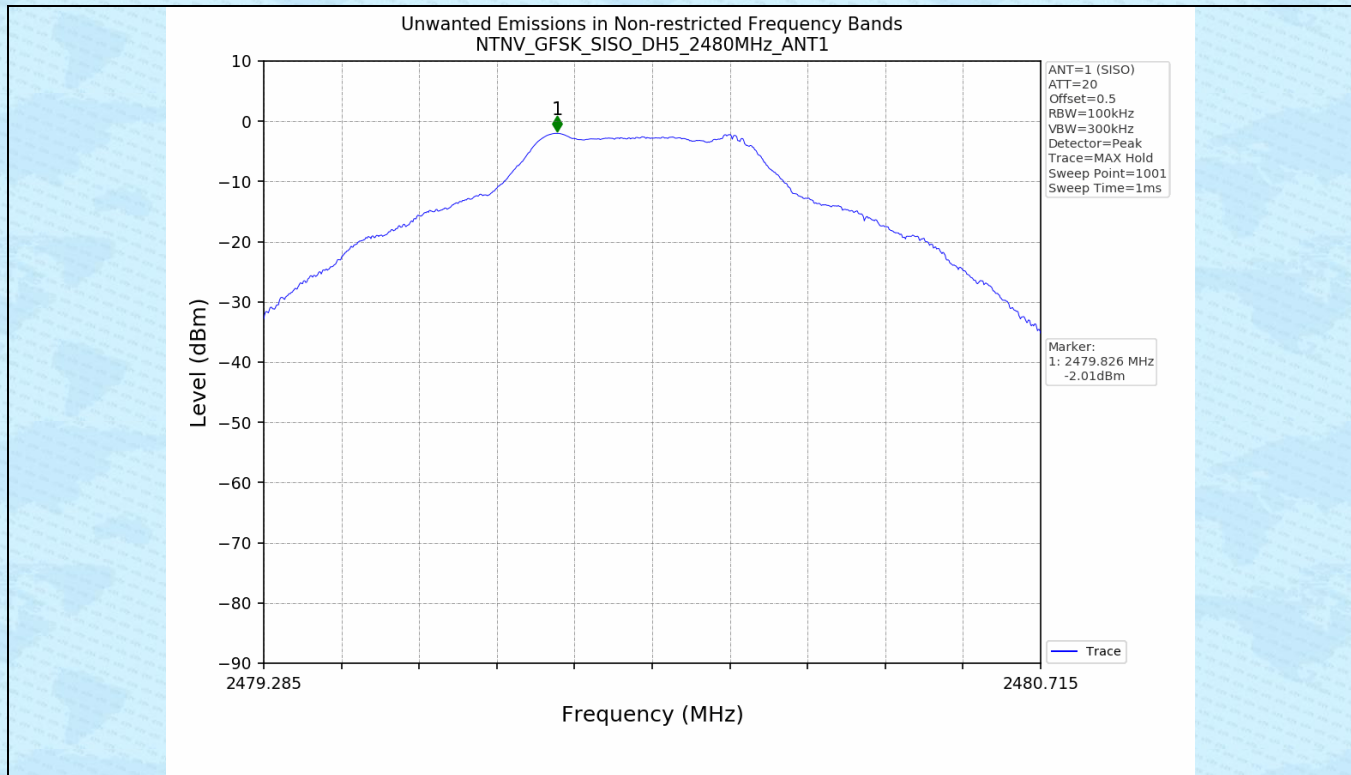


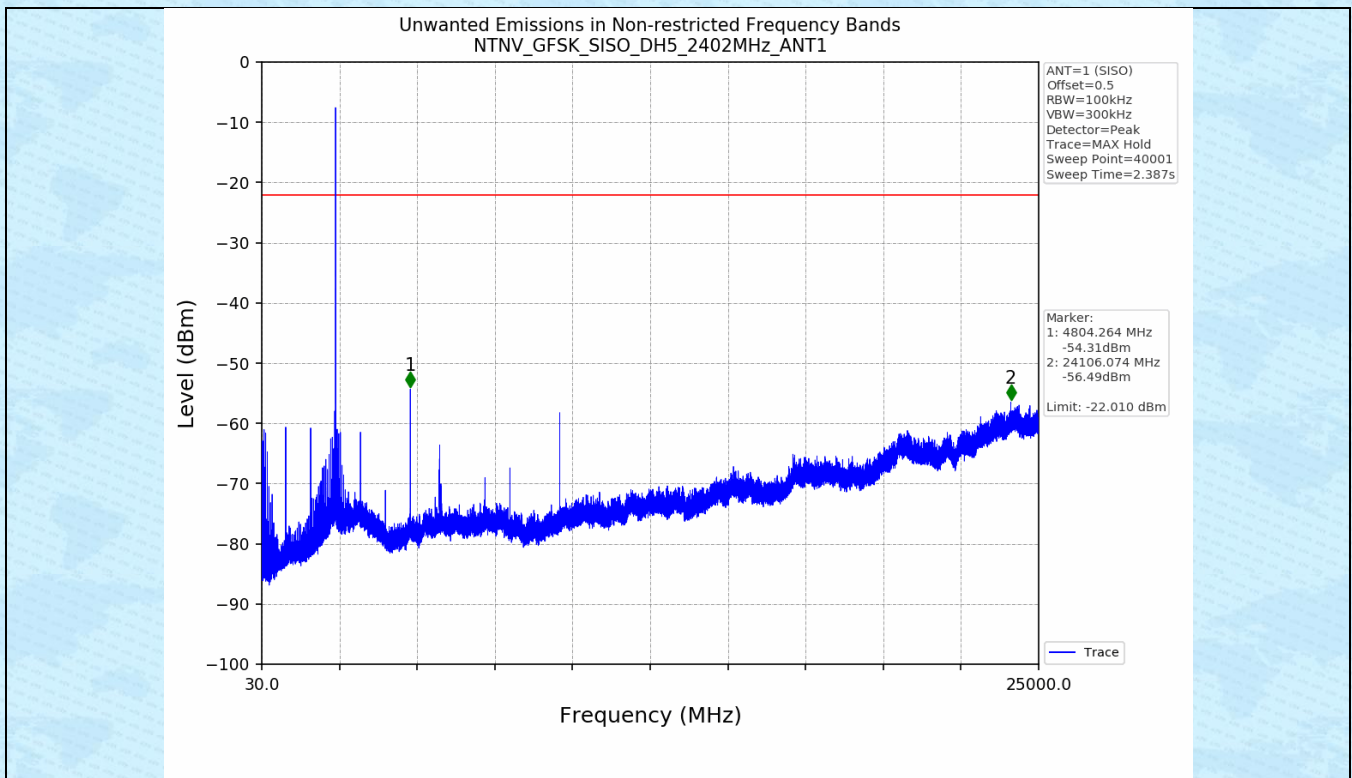
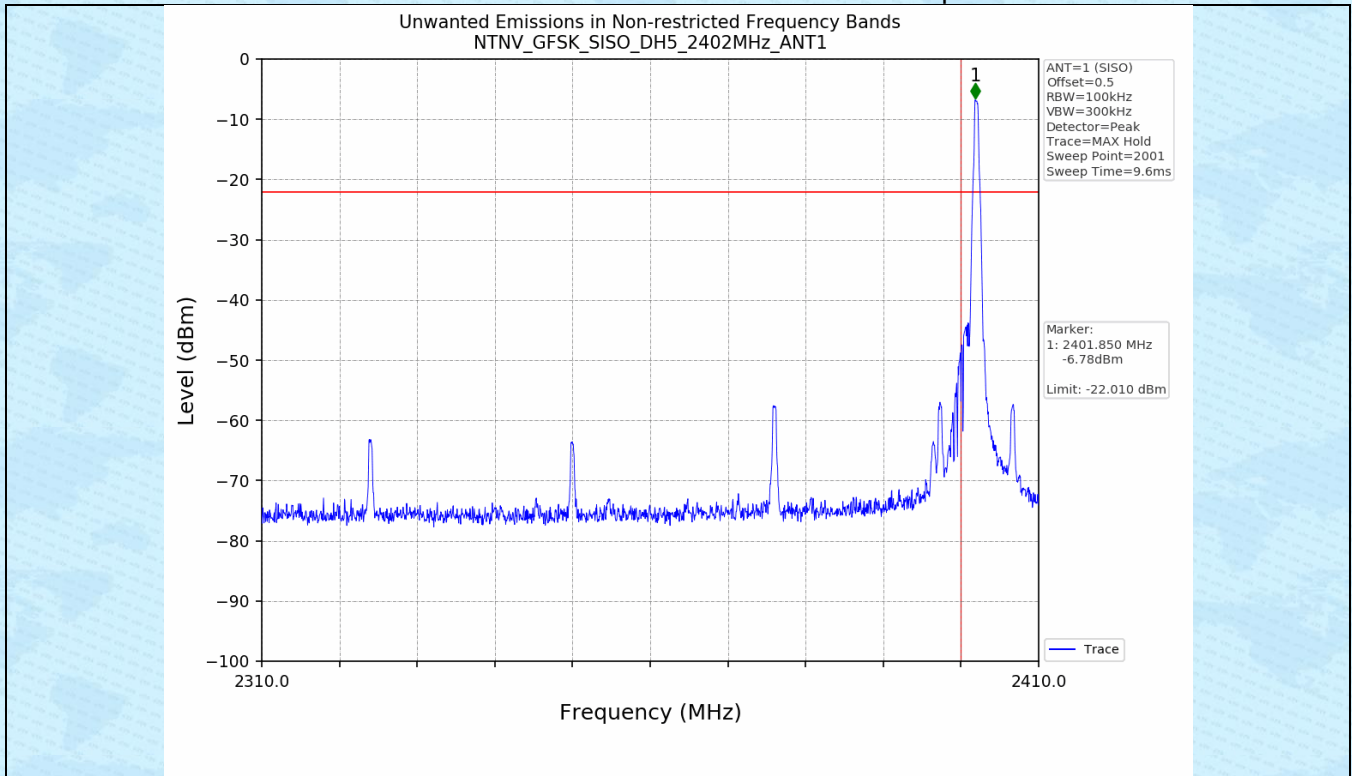
## 6. Unwanted Emissions in Non-restricted Frequency Bands

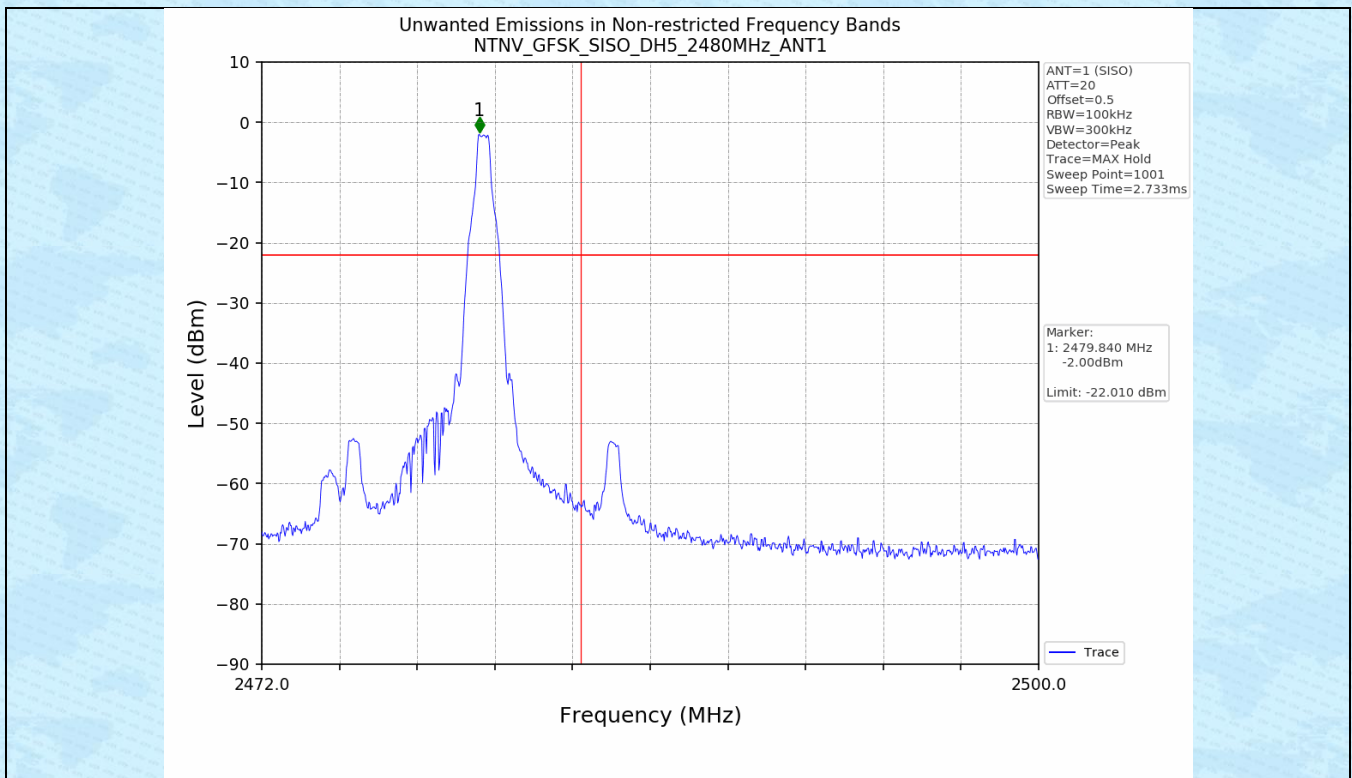
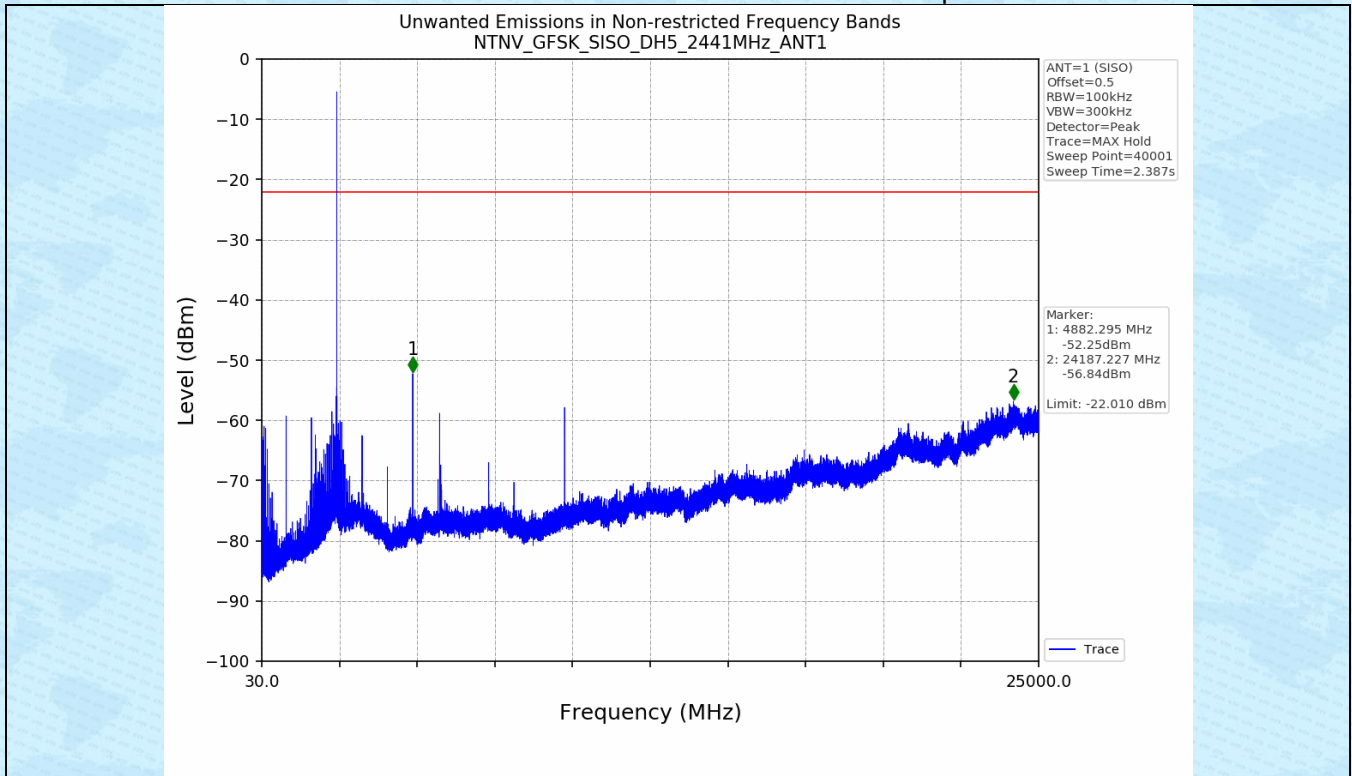
### 6.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-22.01	PASS
	2441	SISO	1	Refer to test graph	-22.01	PASS
	2480	SISO	1	Refer to test graph	-22.01	PASS
	Hopping	SISO	1	Refer to test graph	-22.01	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-22.20	PASS
	2441	SISO	1	Refer to test graph	-22.20	PASS
	2480	SISO	1	Refer to test graph	-22.20	PASS
	Hopping	SISO	1	Refer to test graph	-22.20	PASS
8DPSK	2402	SISO	1	Refer to test graph	-22.01	PASS
	2441	SISO	1	Refer to test graph	-22.01	PASS
	2480	SISO	1	Refer to test graph	-22.01	PASS
	Hopping	SISO	1	Refer to test graph	-22.01	PASS

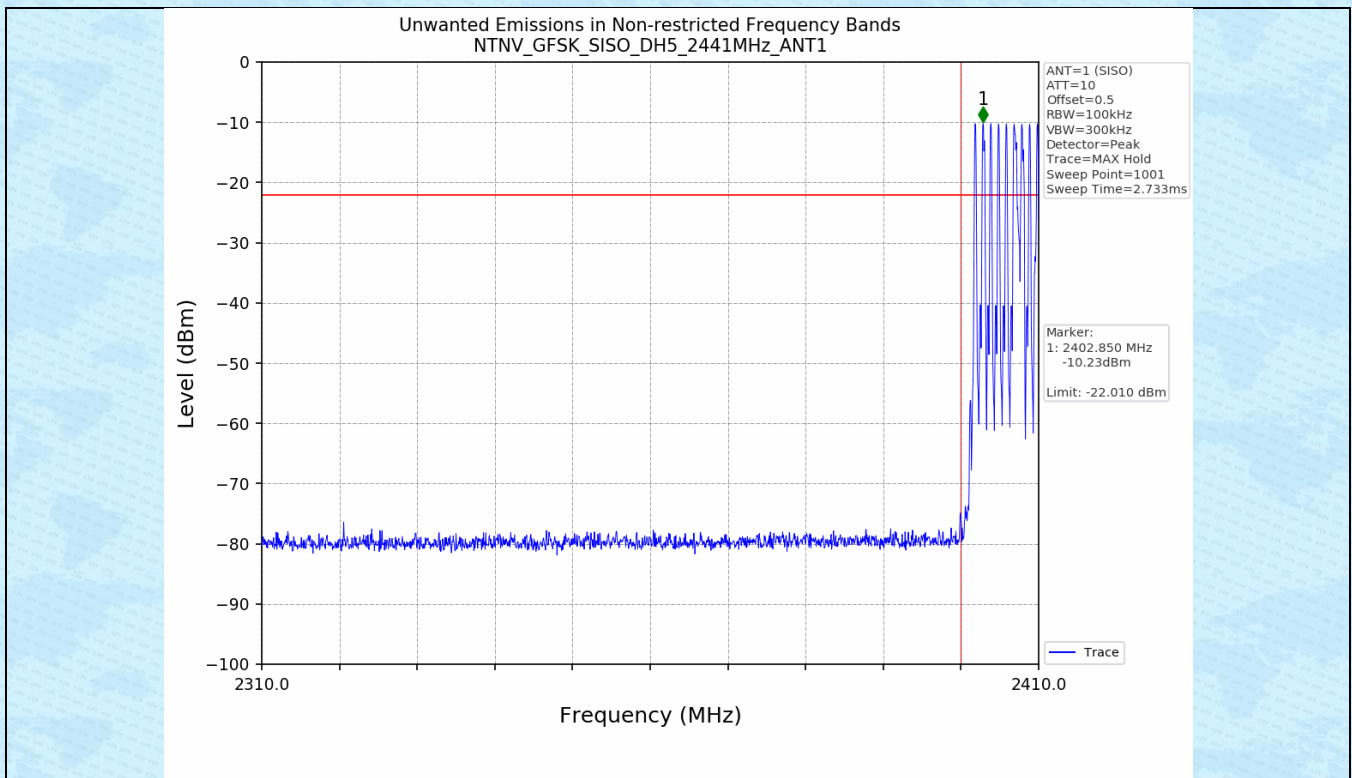
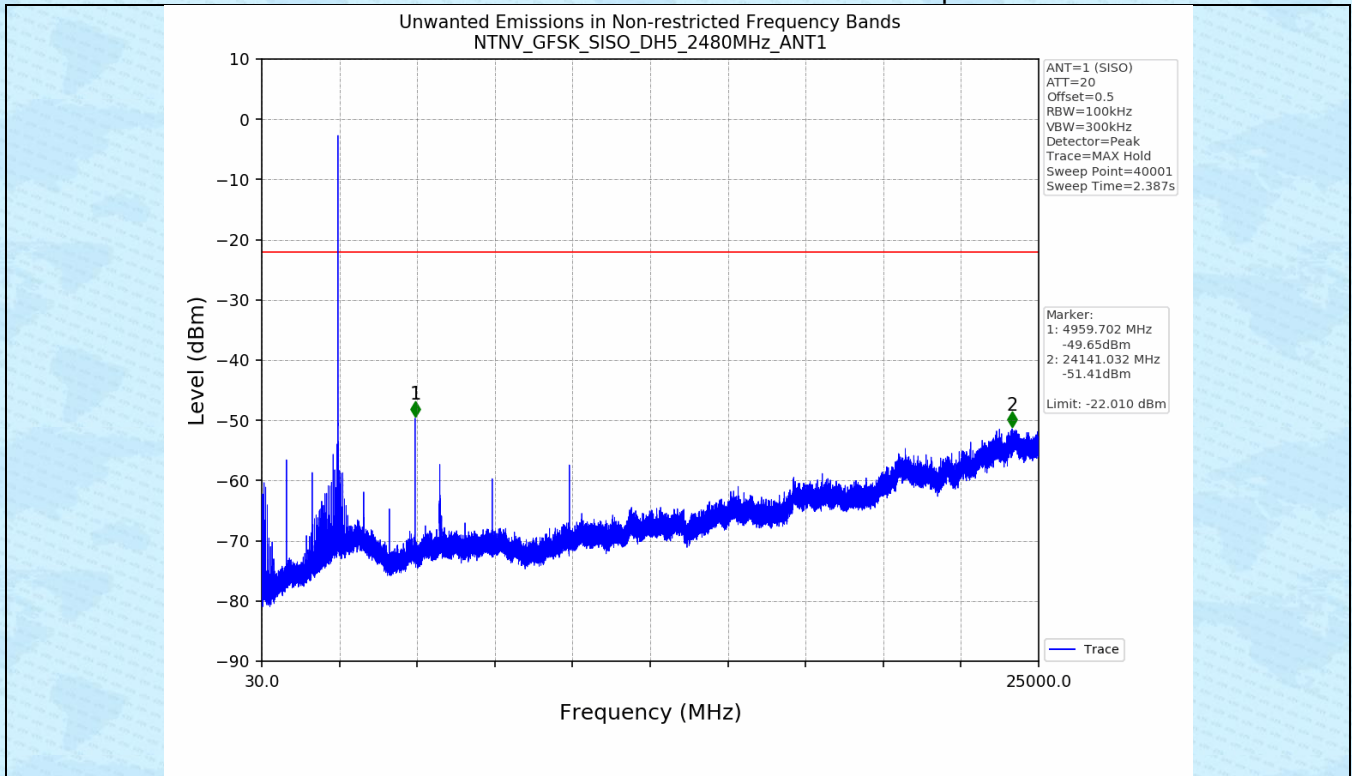
### 6.2 Test Graph

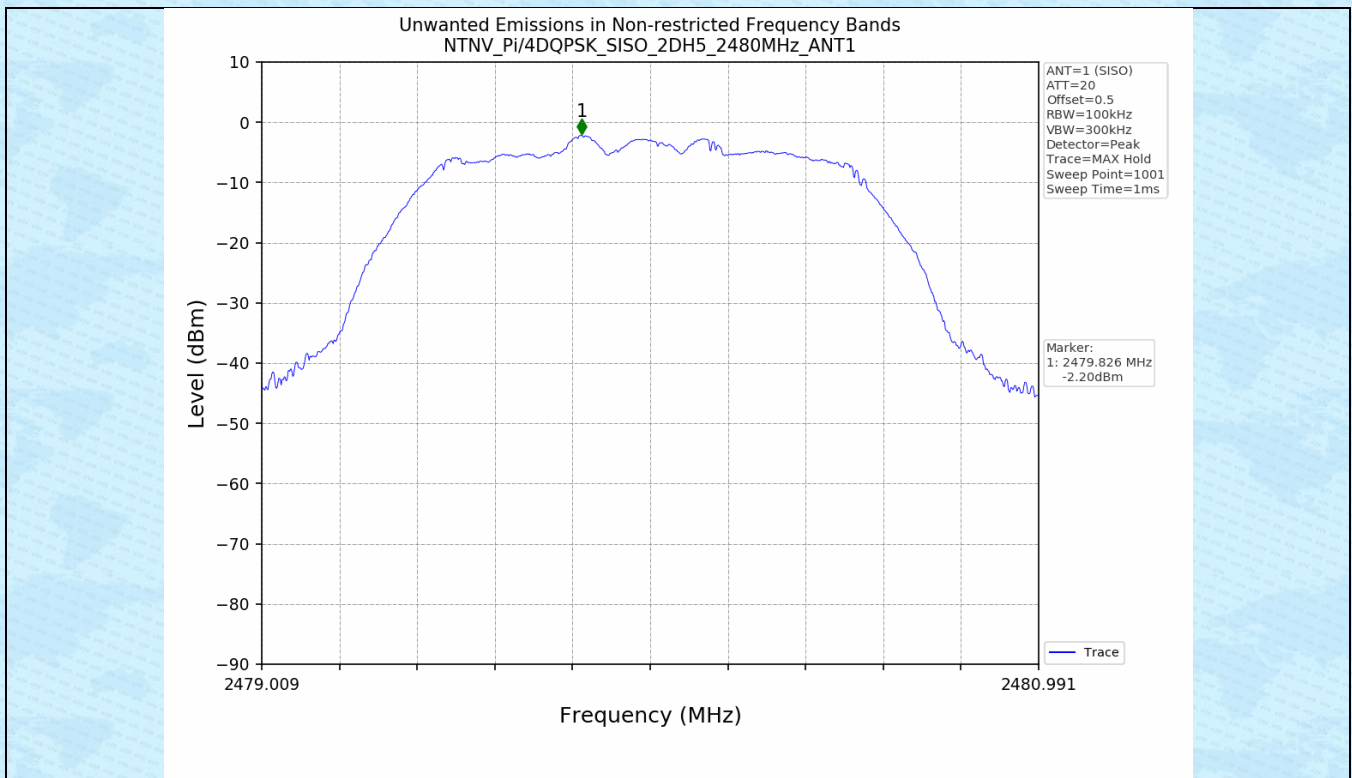
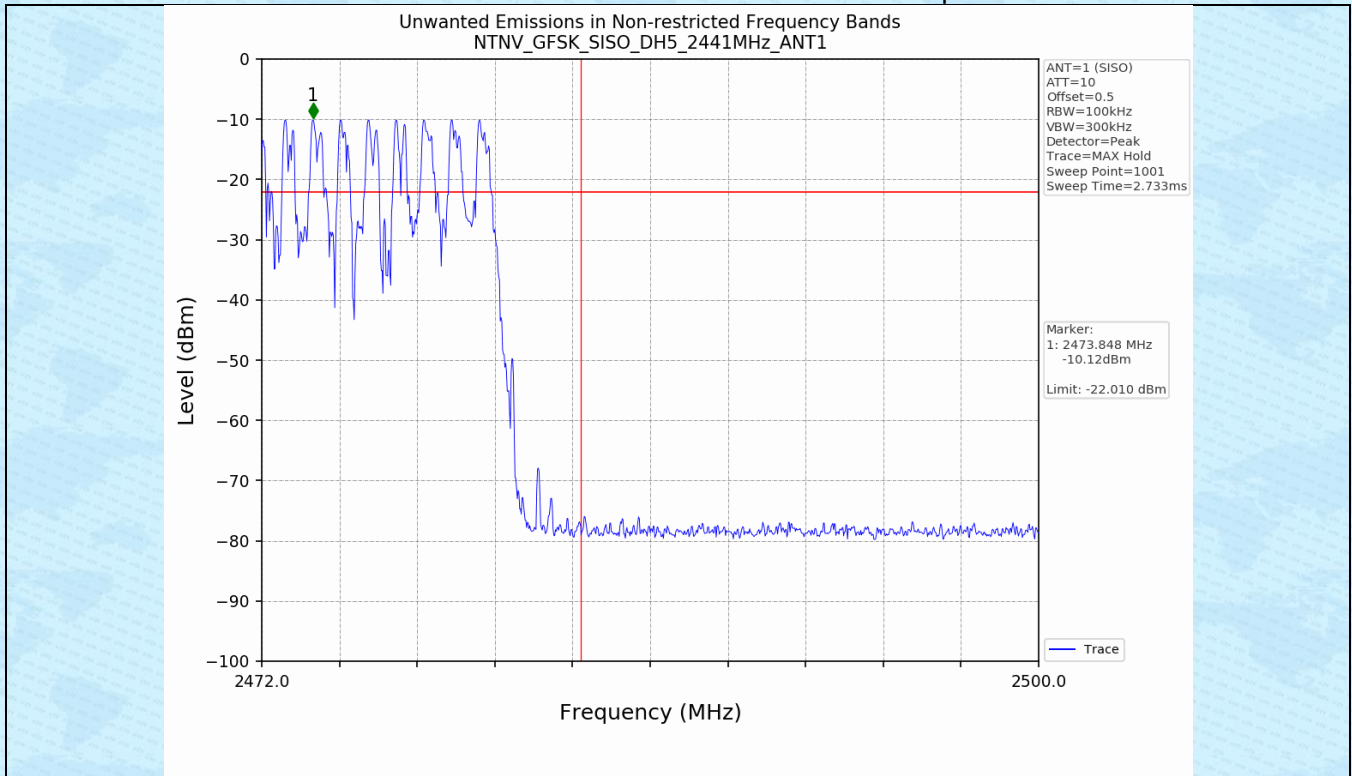


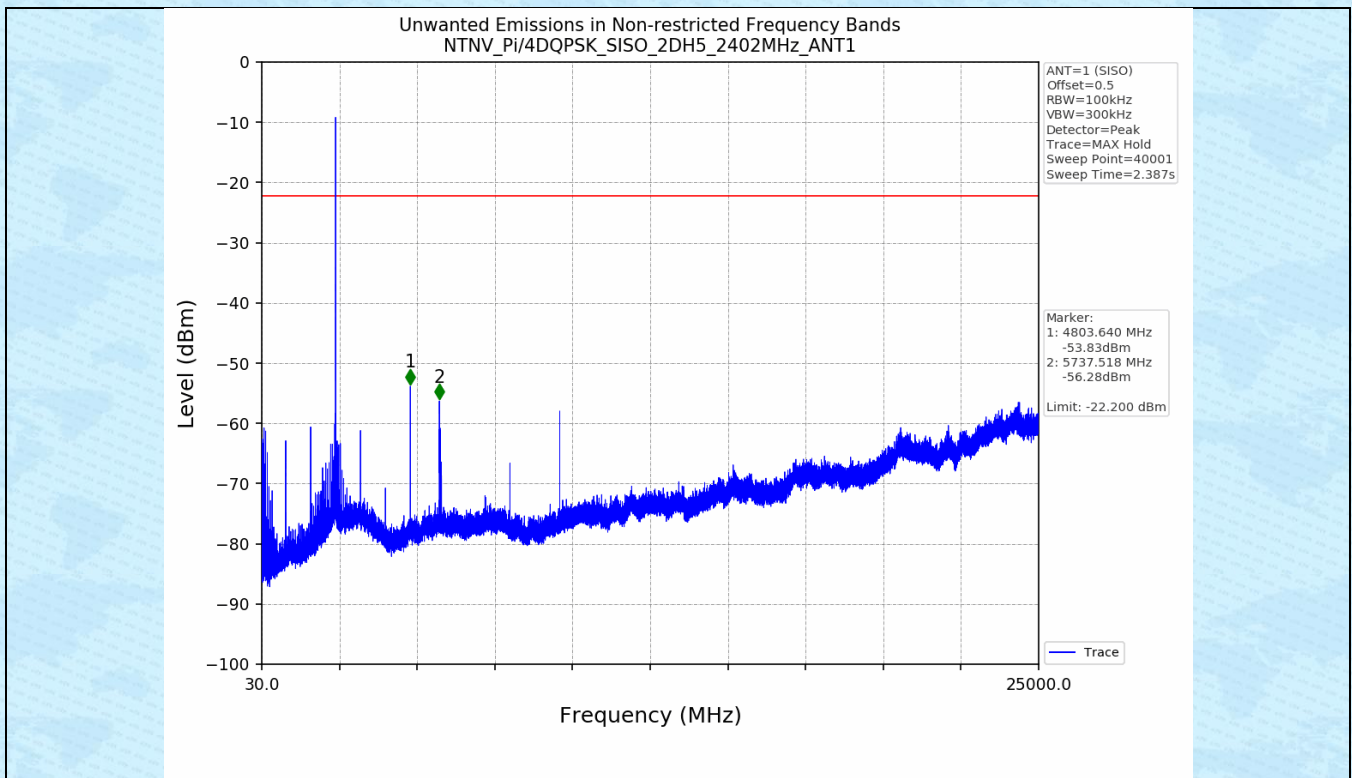
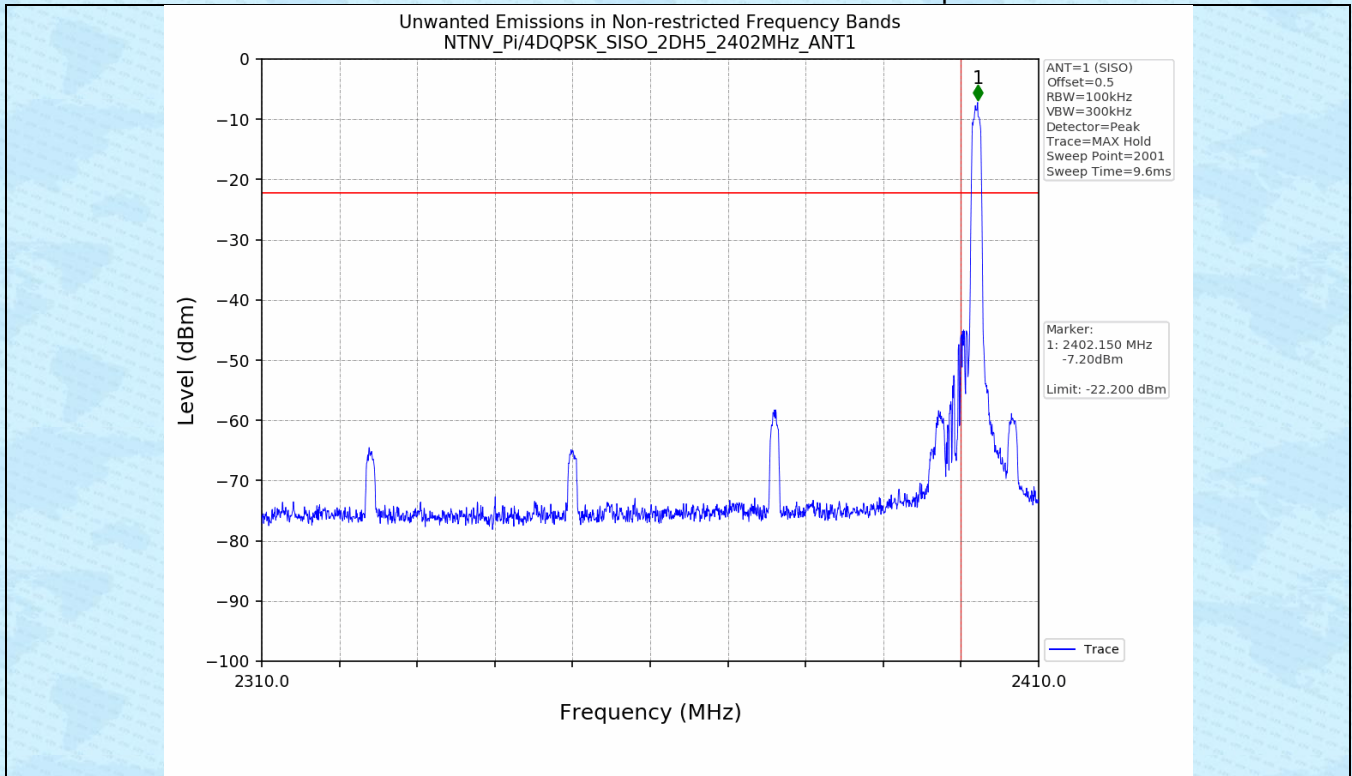




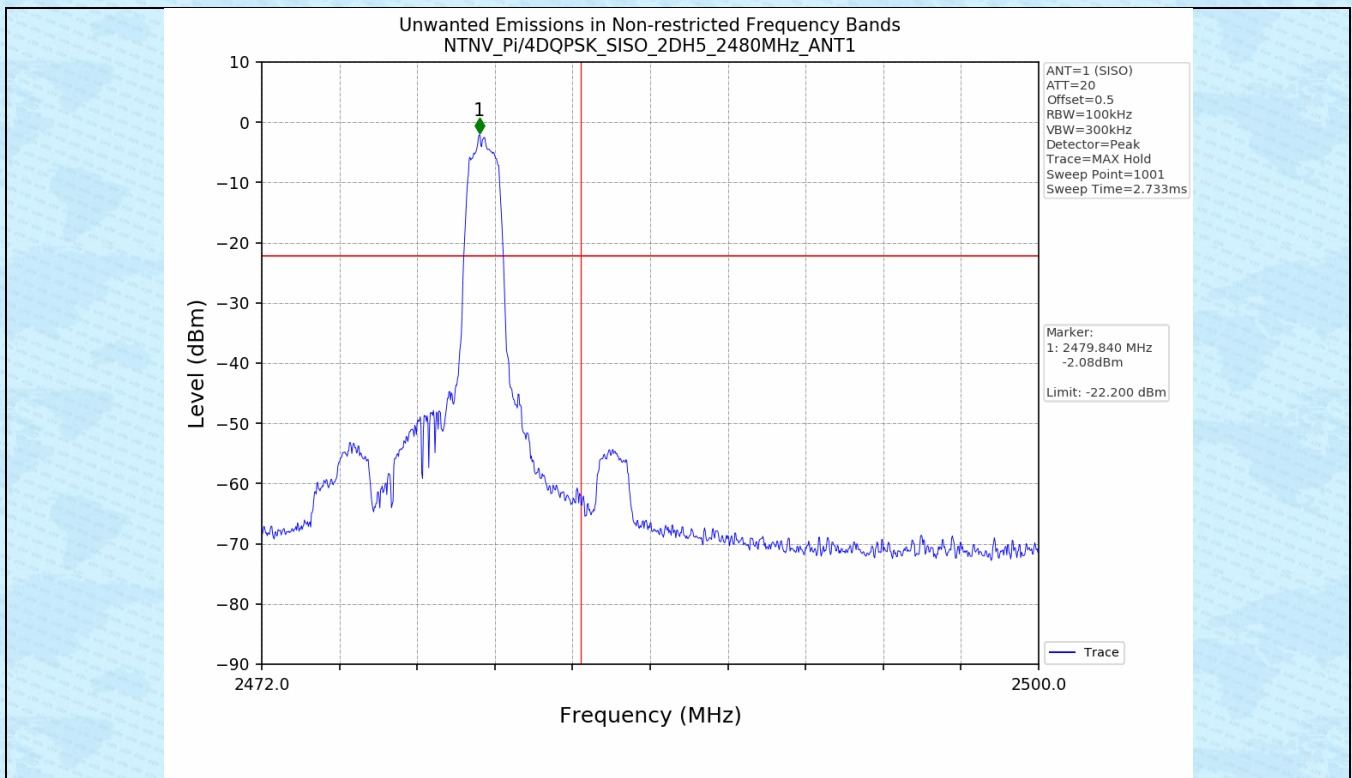
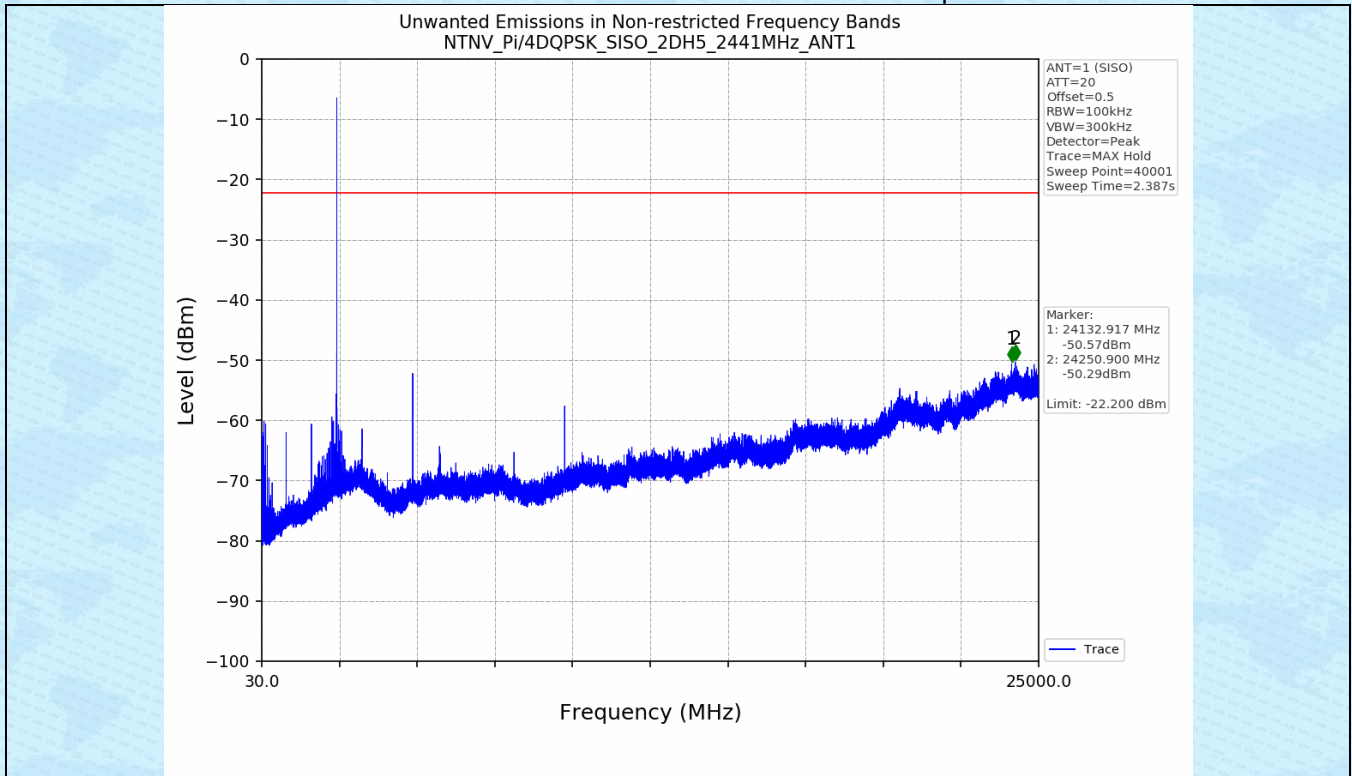


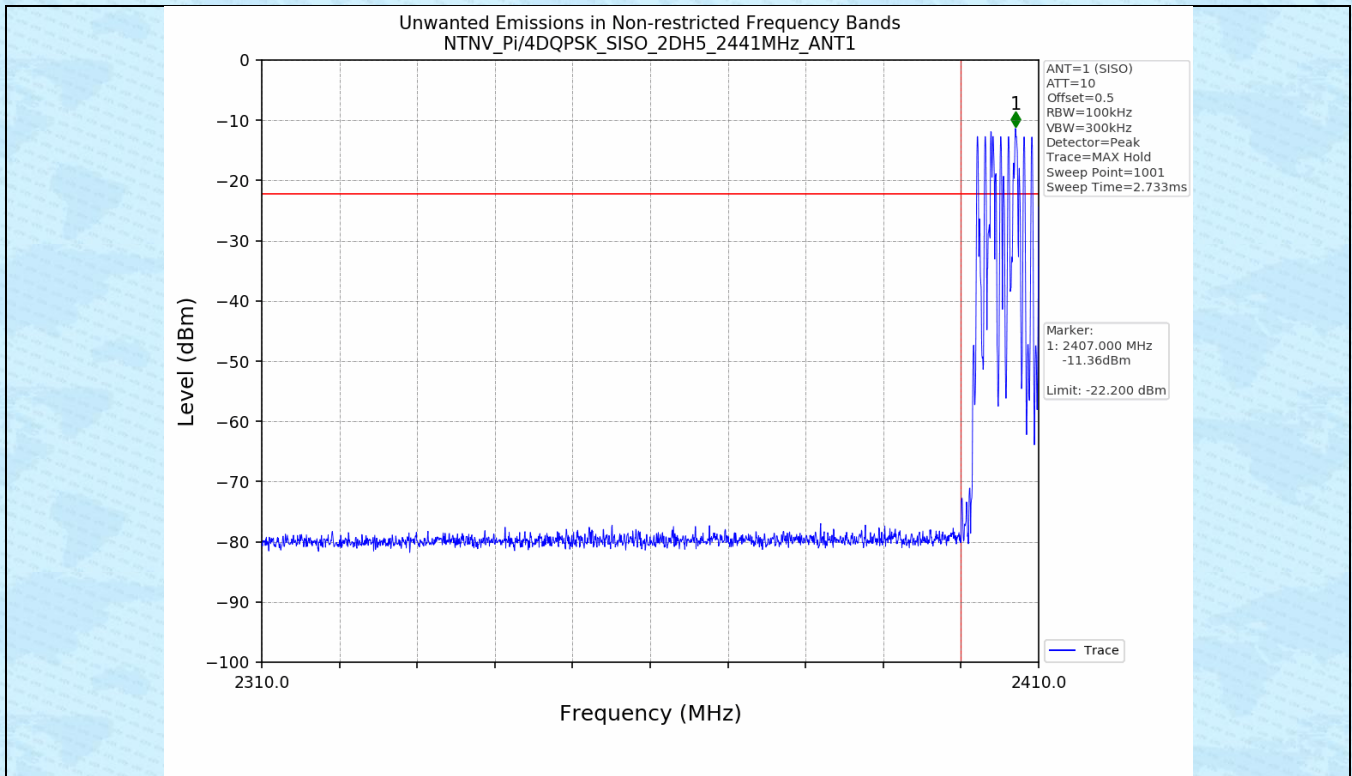
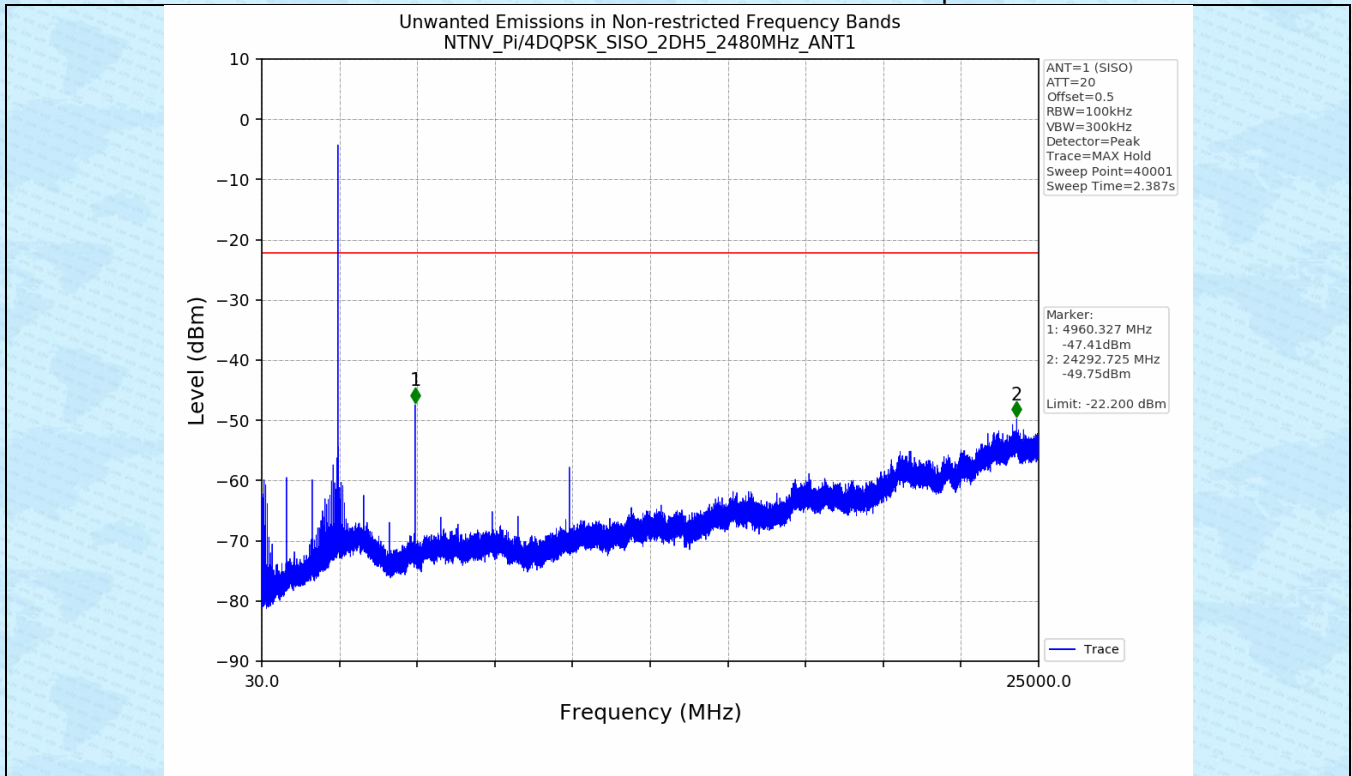


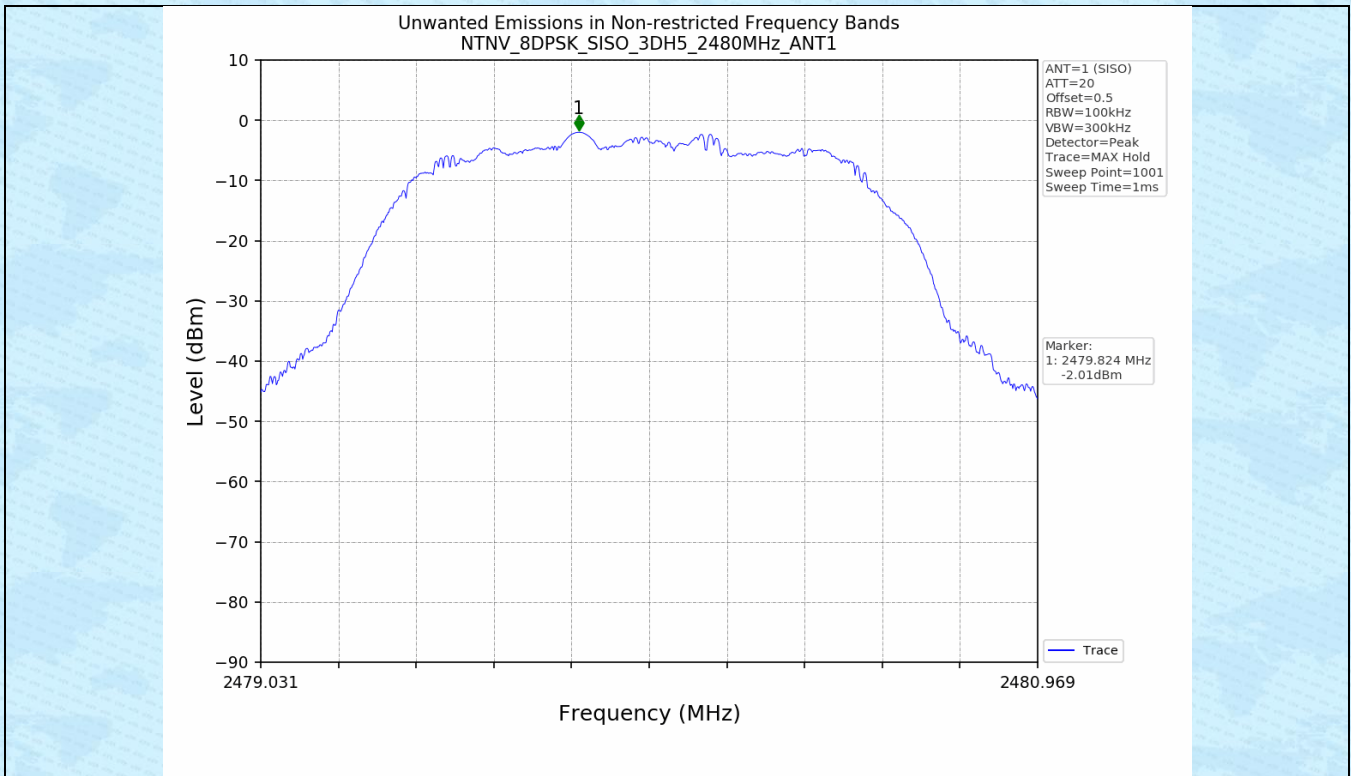
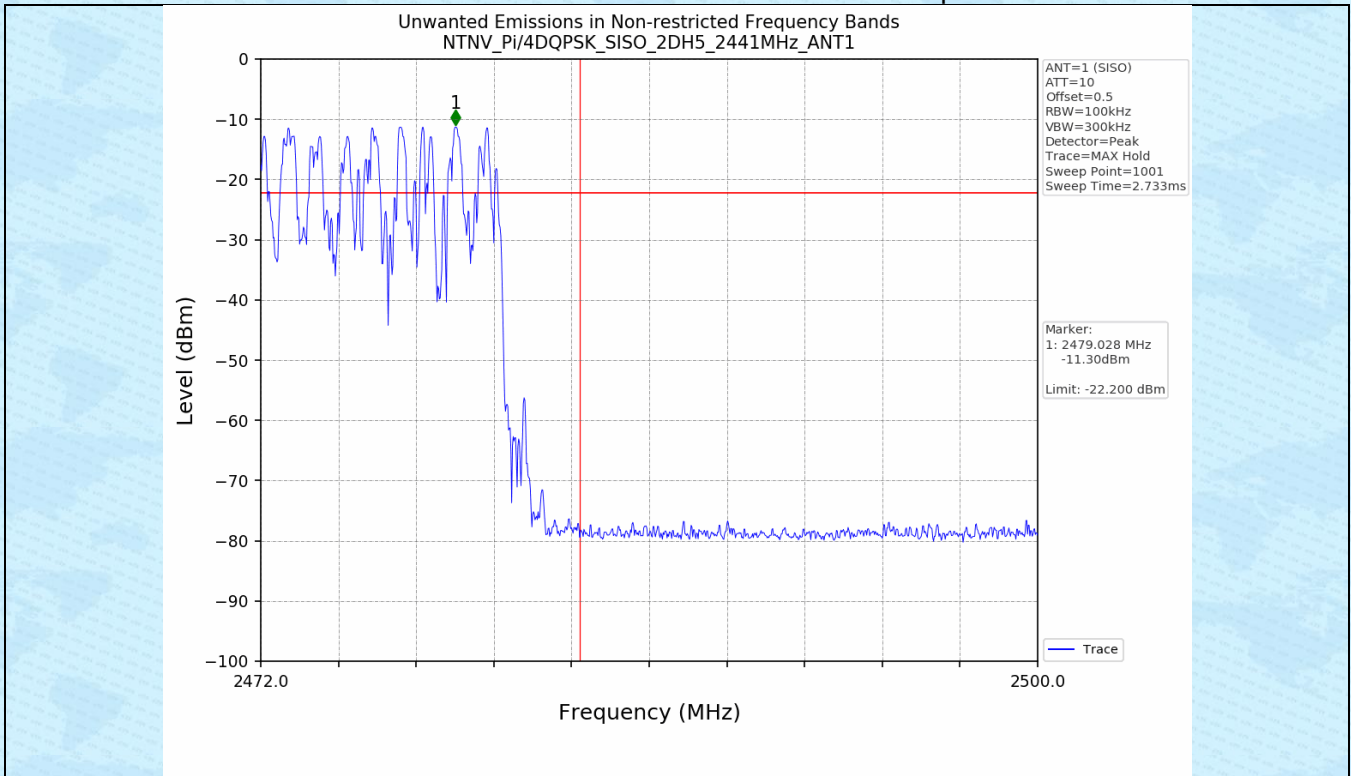




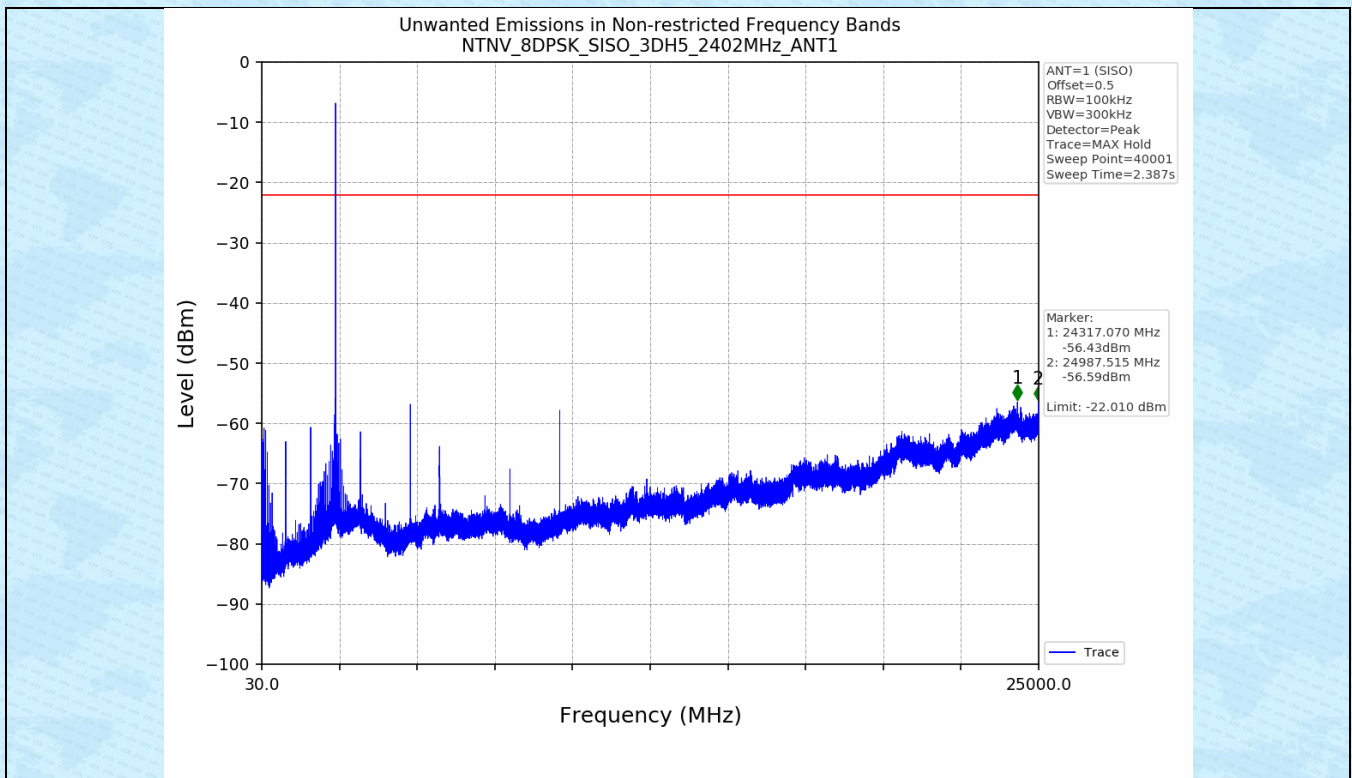
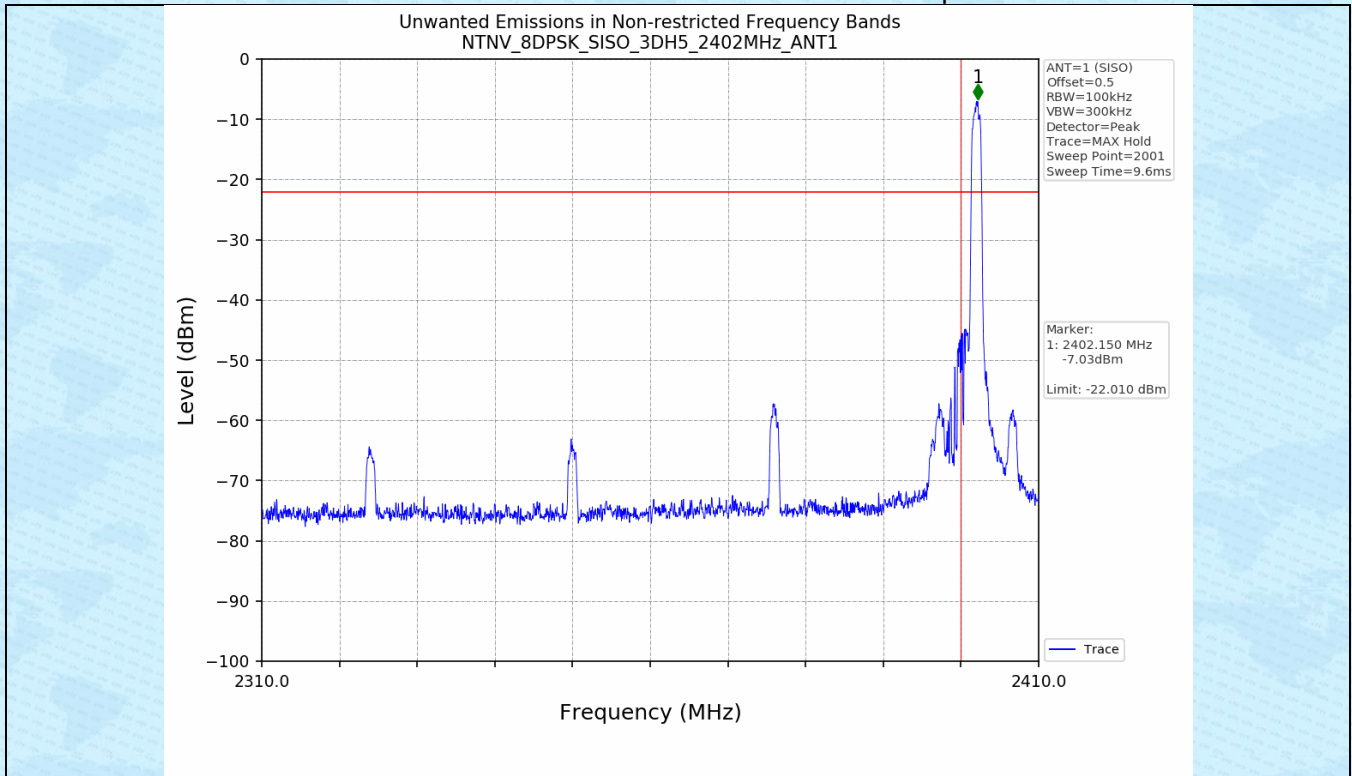


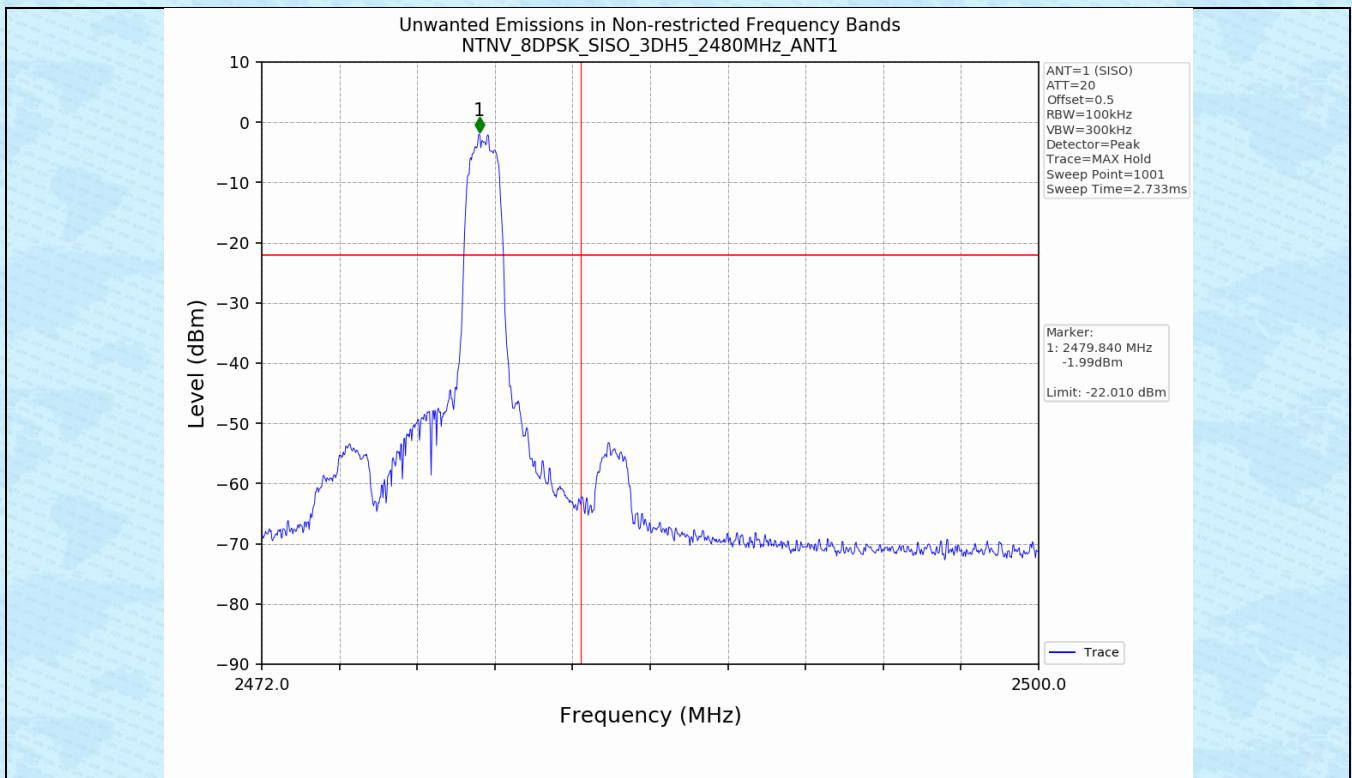
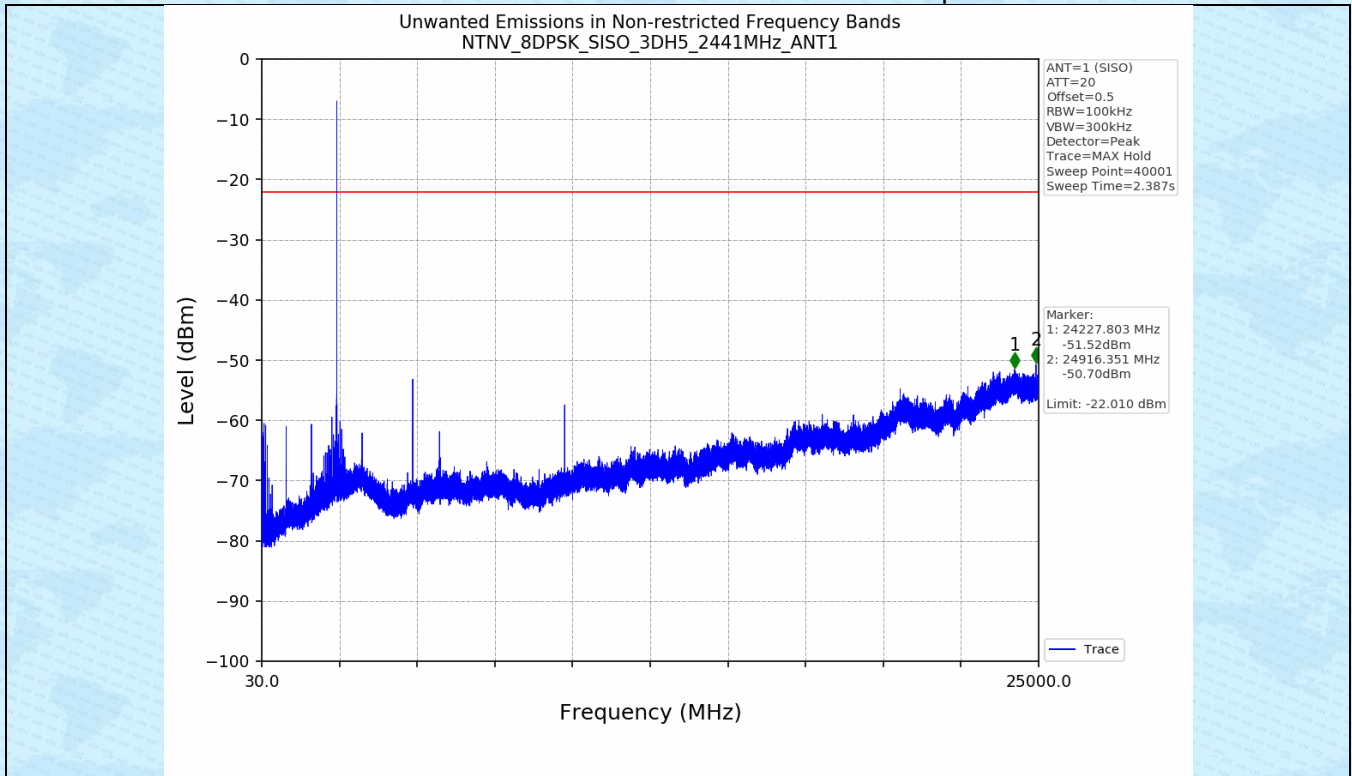


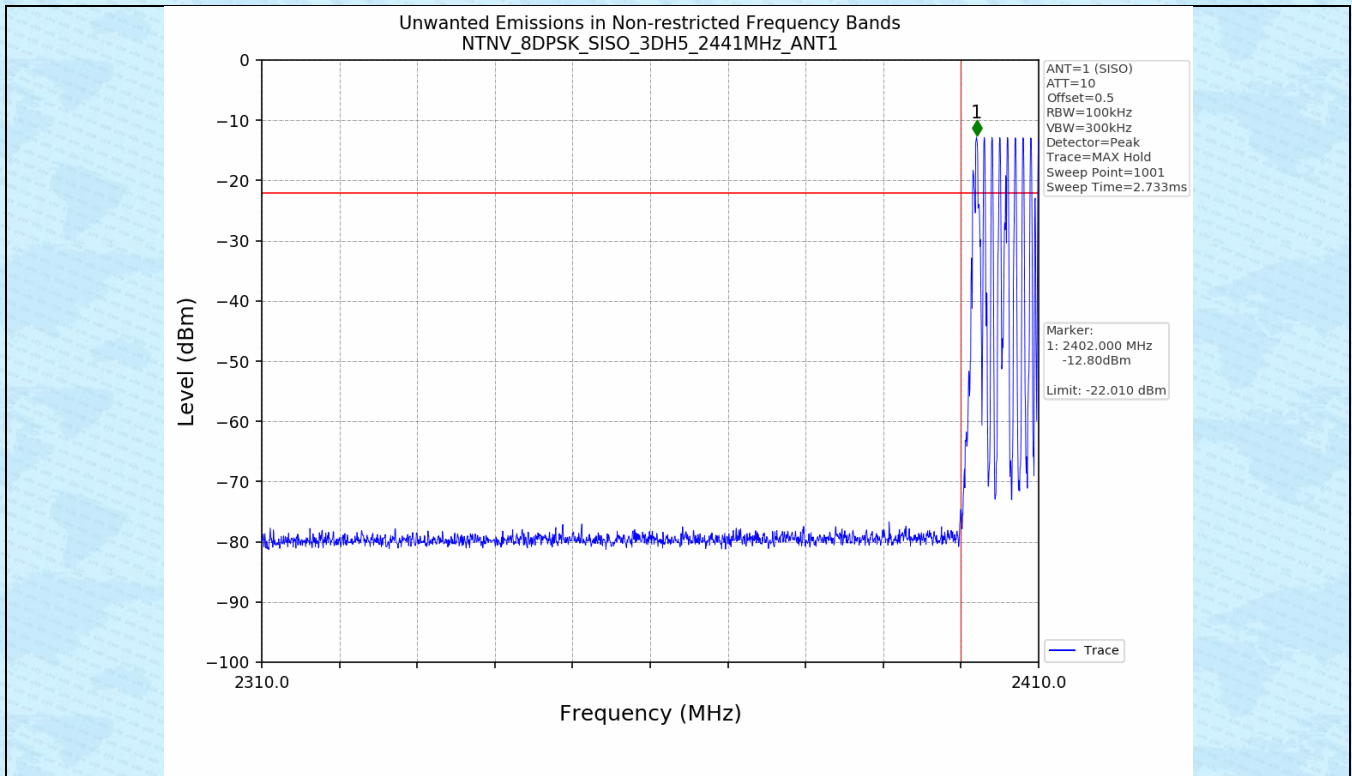
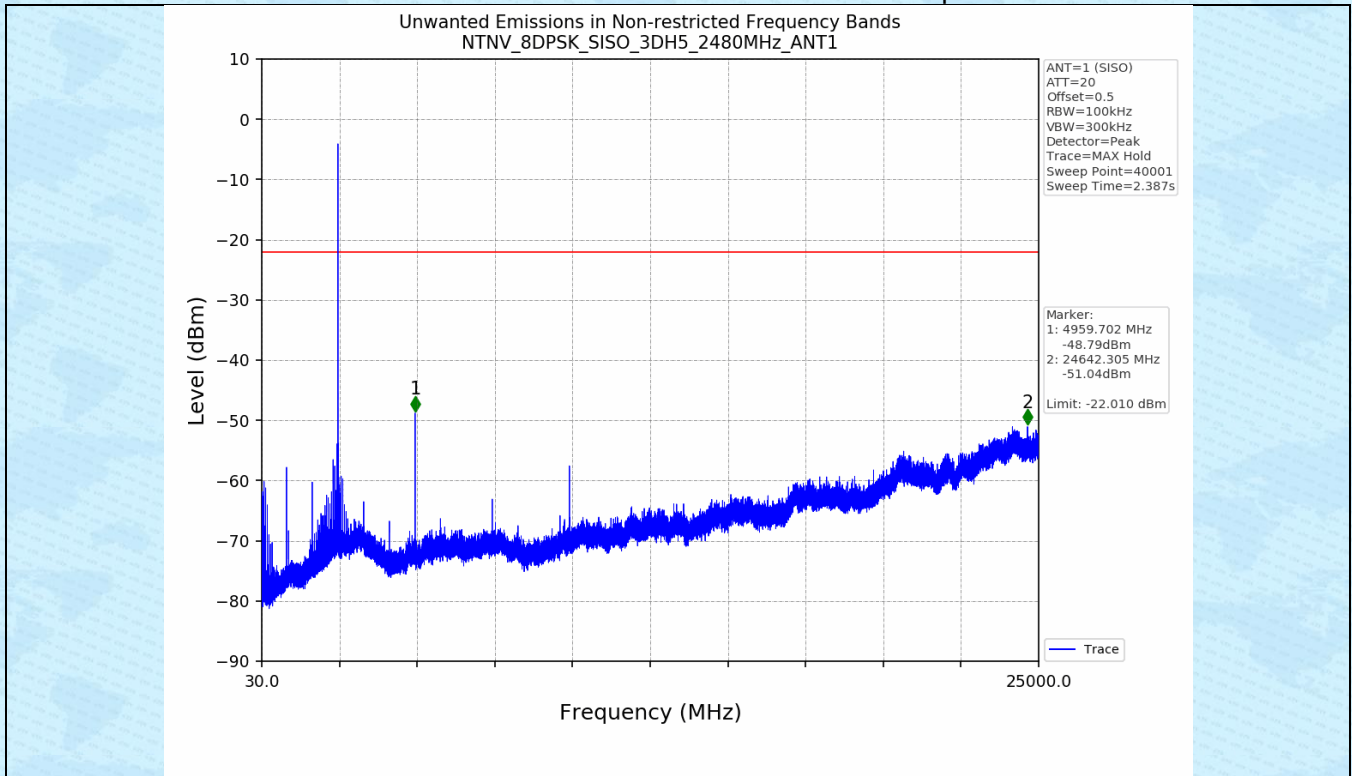




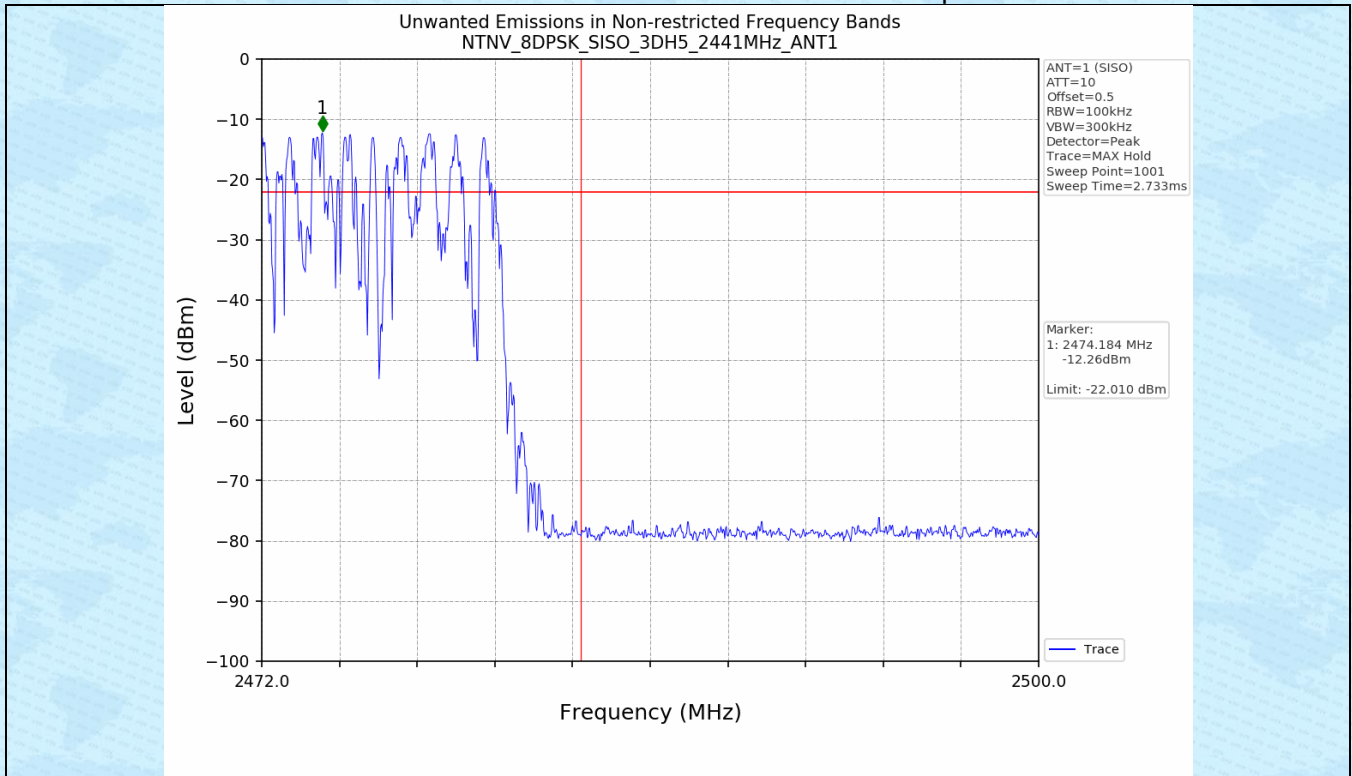












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