

Appendix for 15.247

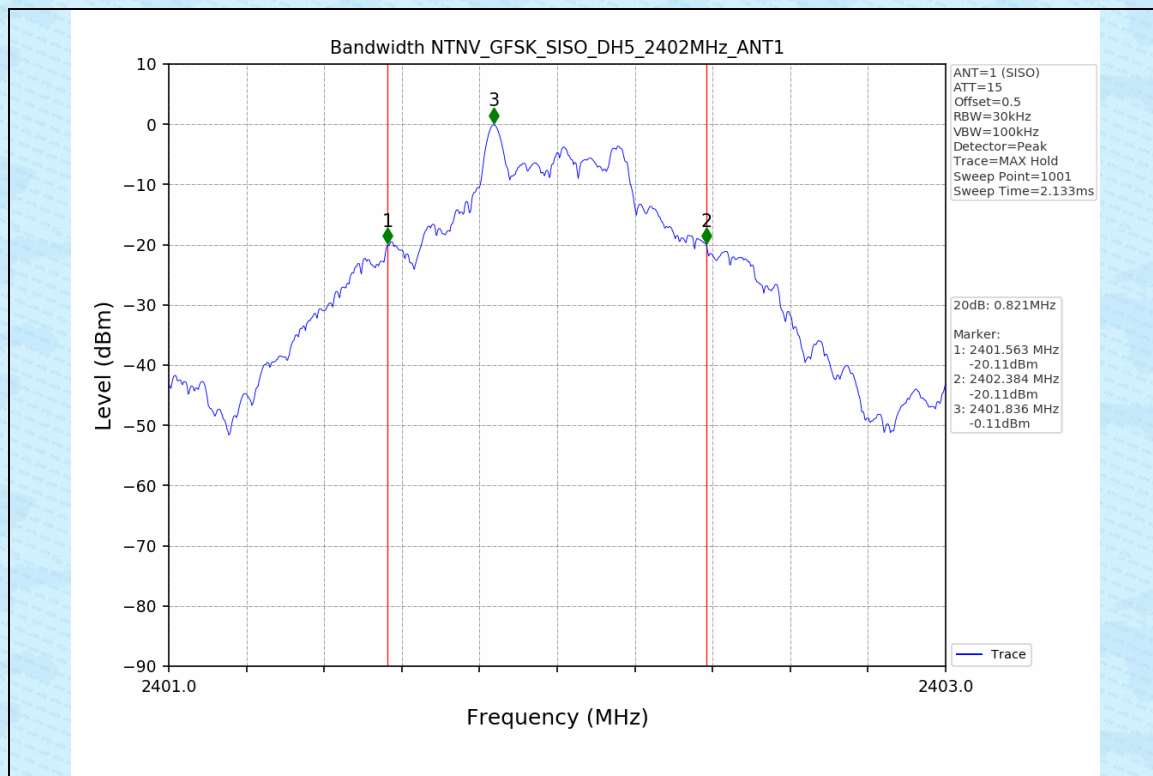
1. Bandwidth

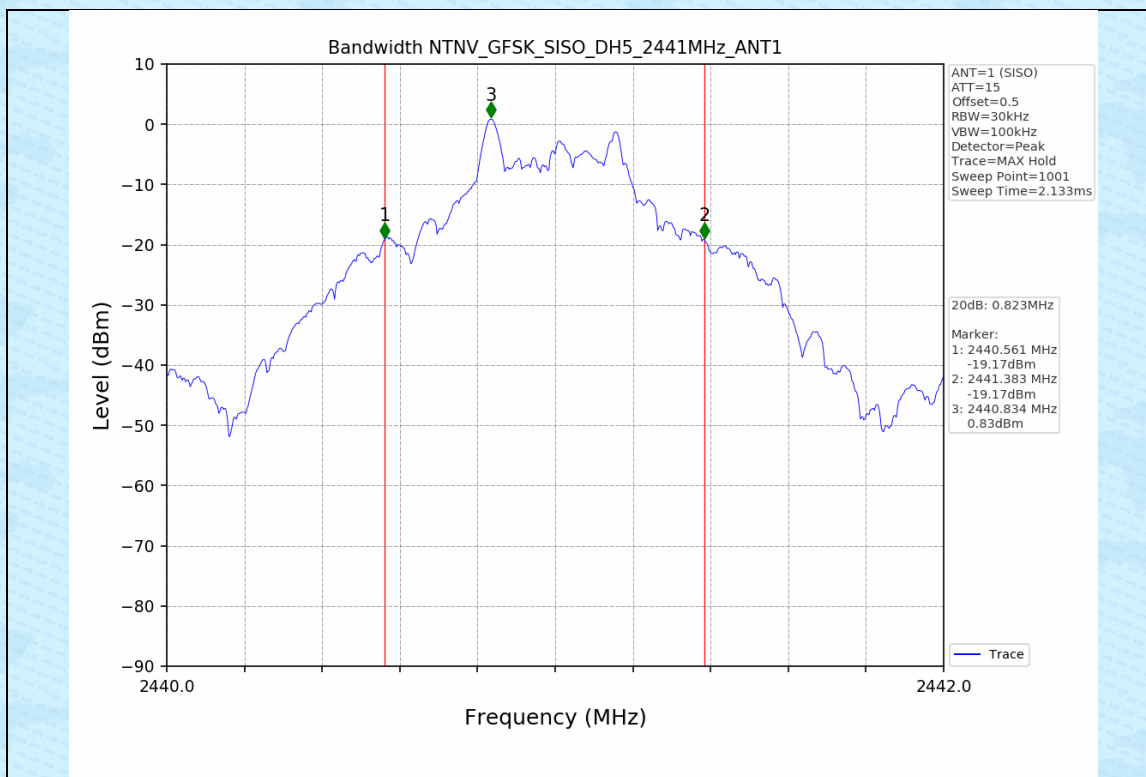
1.1 Test Result

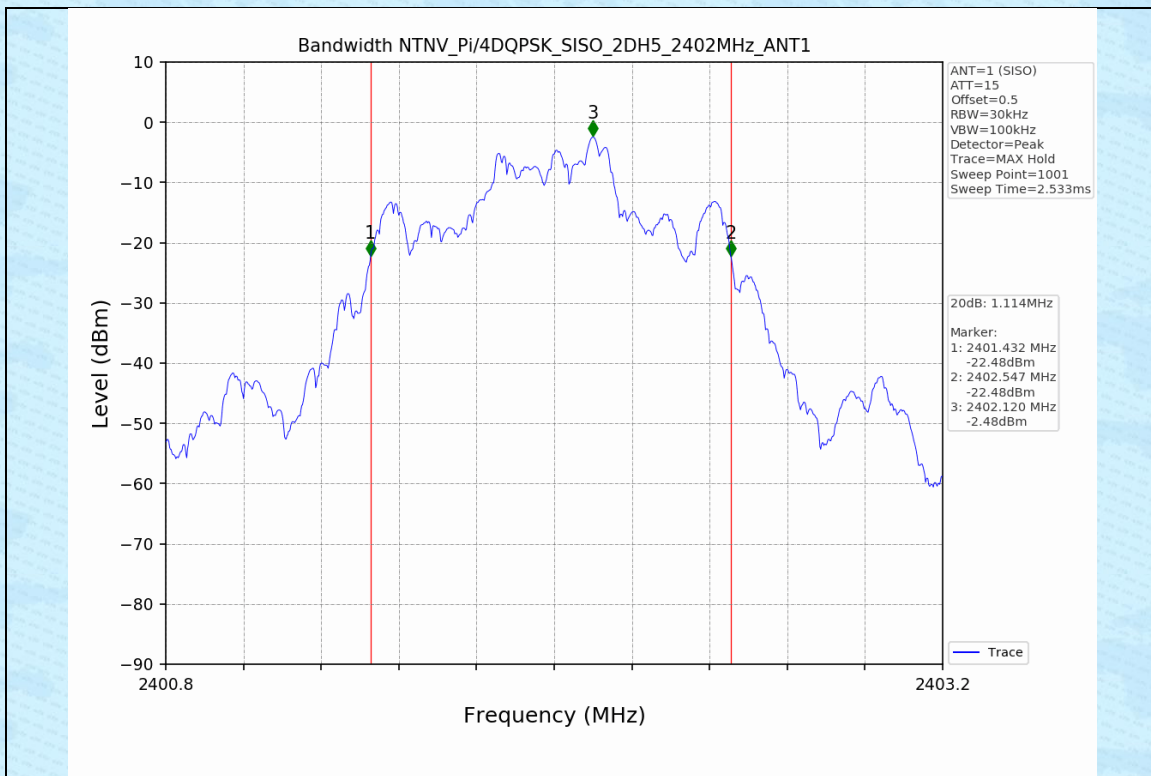
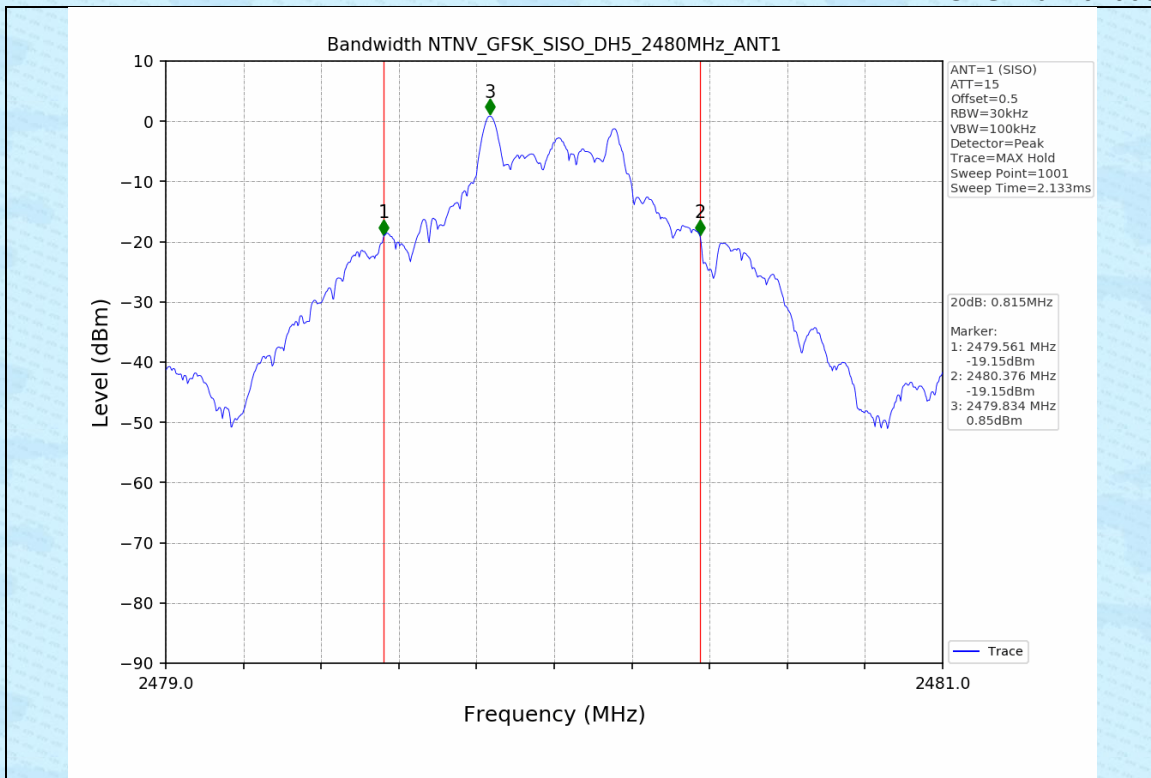
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.821	PASS
	2441	SISO	1	0.823	PASS
	2480	SISO	1	0.815	PASS
$\pi/4$ -DQPSK	2402	SISO	1	1.114	PASS
	2441	SISO	1	1.127	PASS
	2480	SISO	1	1.126	PASS

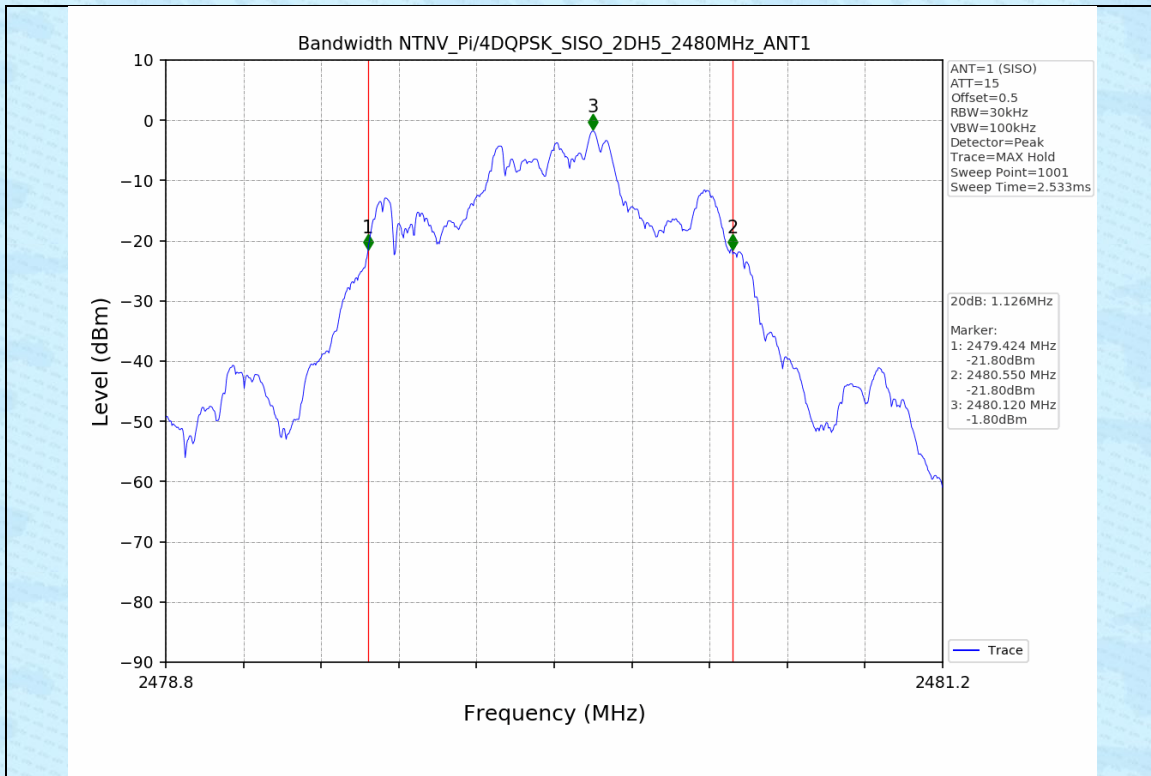
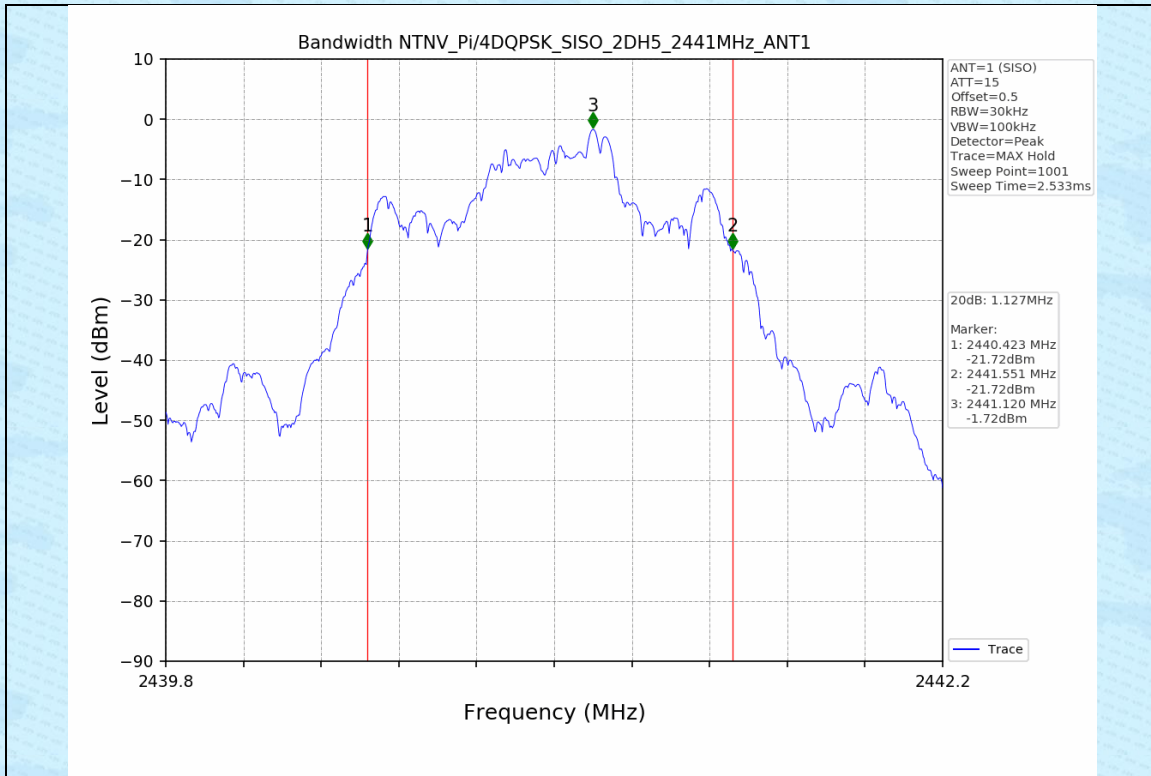
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.873	Only for Report Use
	2441	SISO	1	0.865	Only for Report Use
	2480	SISO	1	0.866	Only for Report Use
$\pi/4$ -DQPSK	2402	SISO	1	1.058	Only for Report Use
	2441	SISO	1	1.062	Only for Report Use
	2480	SISO	1	1.072	Only for Report Use

1.2 Test Graph - 20dB Bandwidth

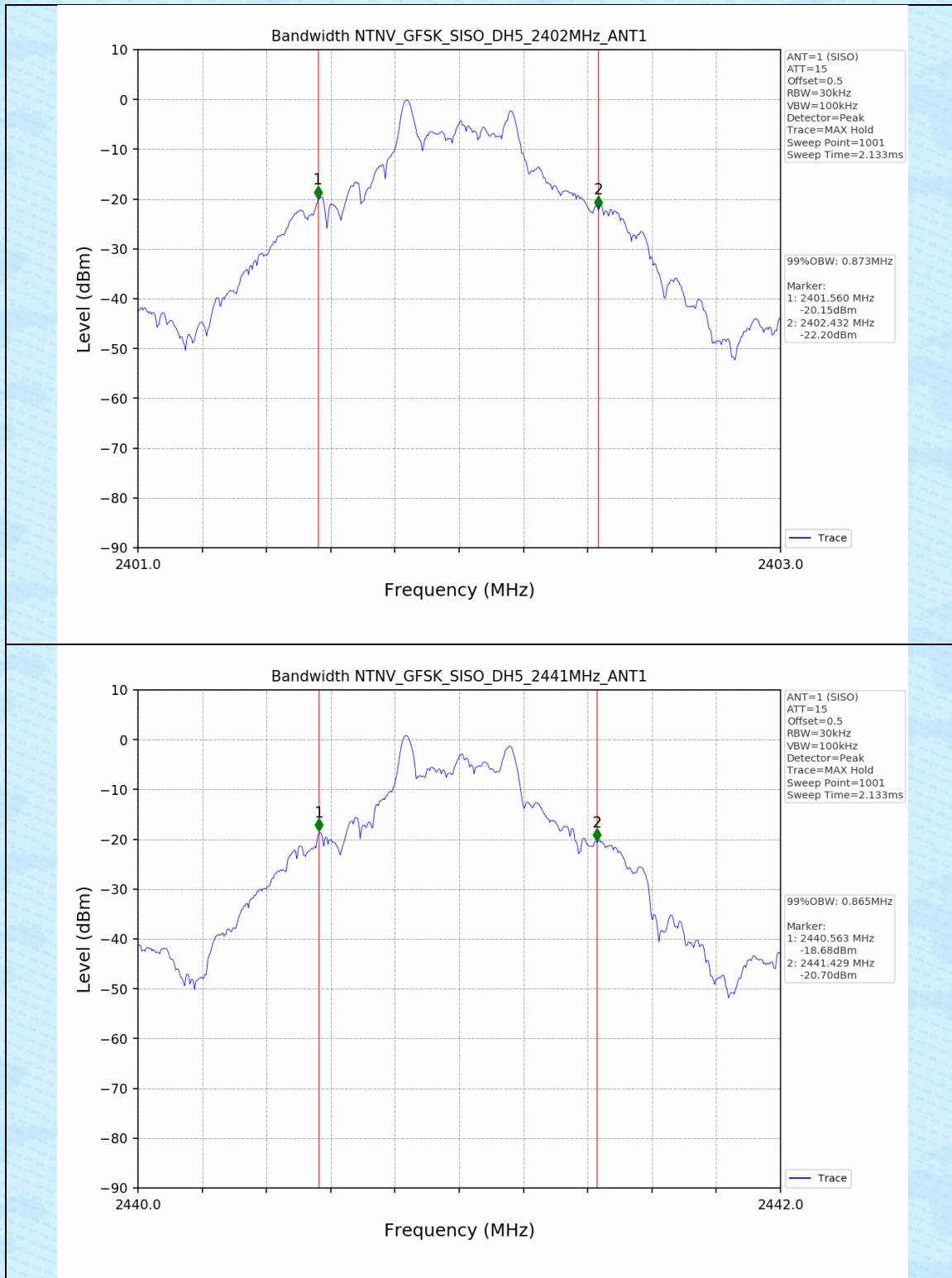


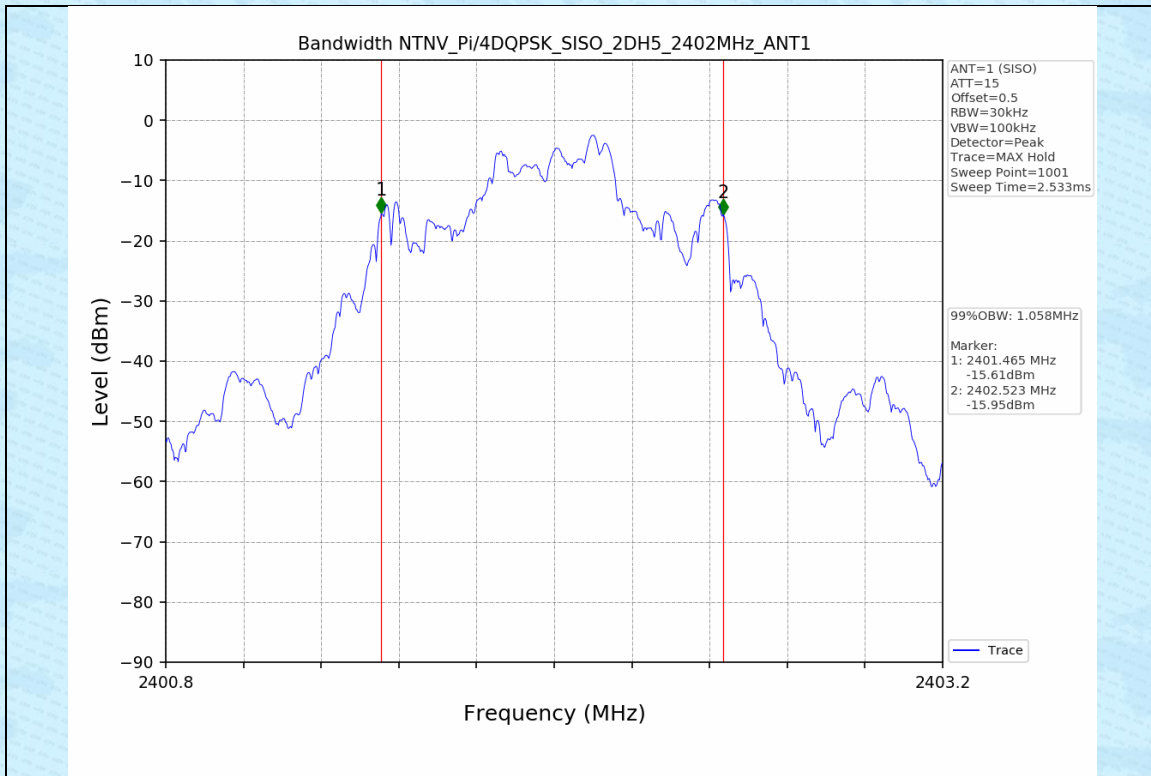
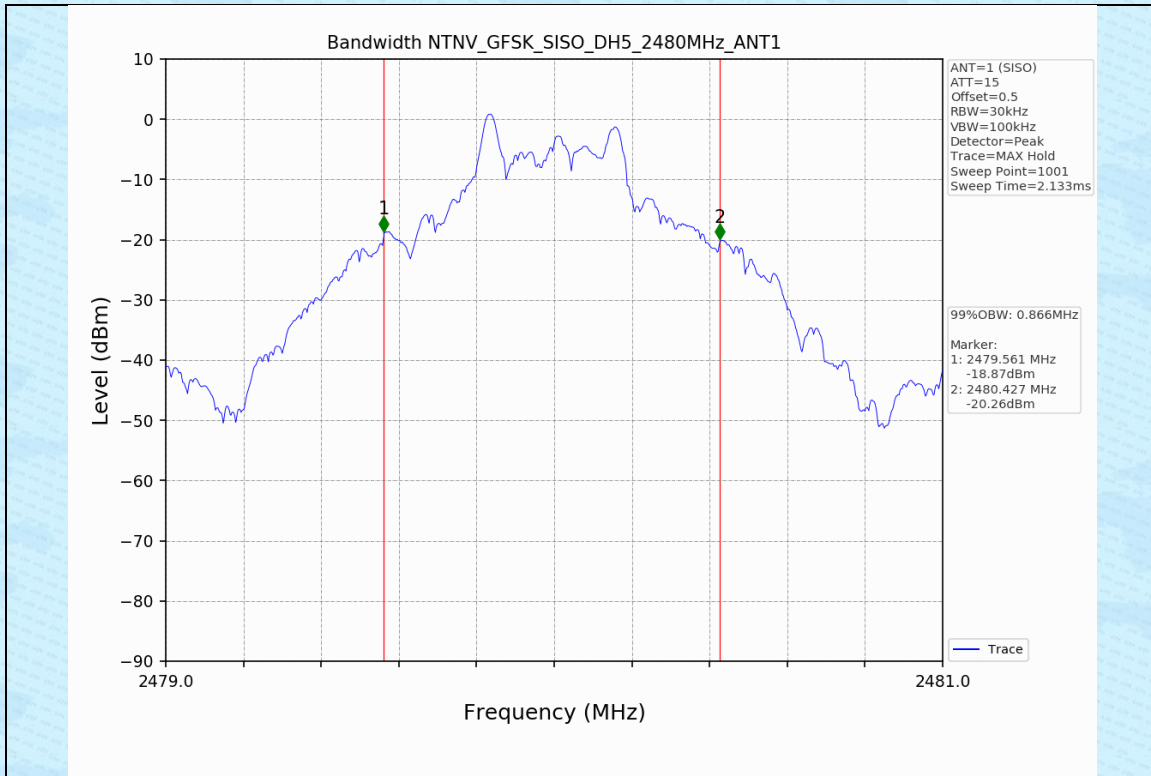


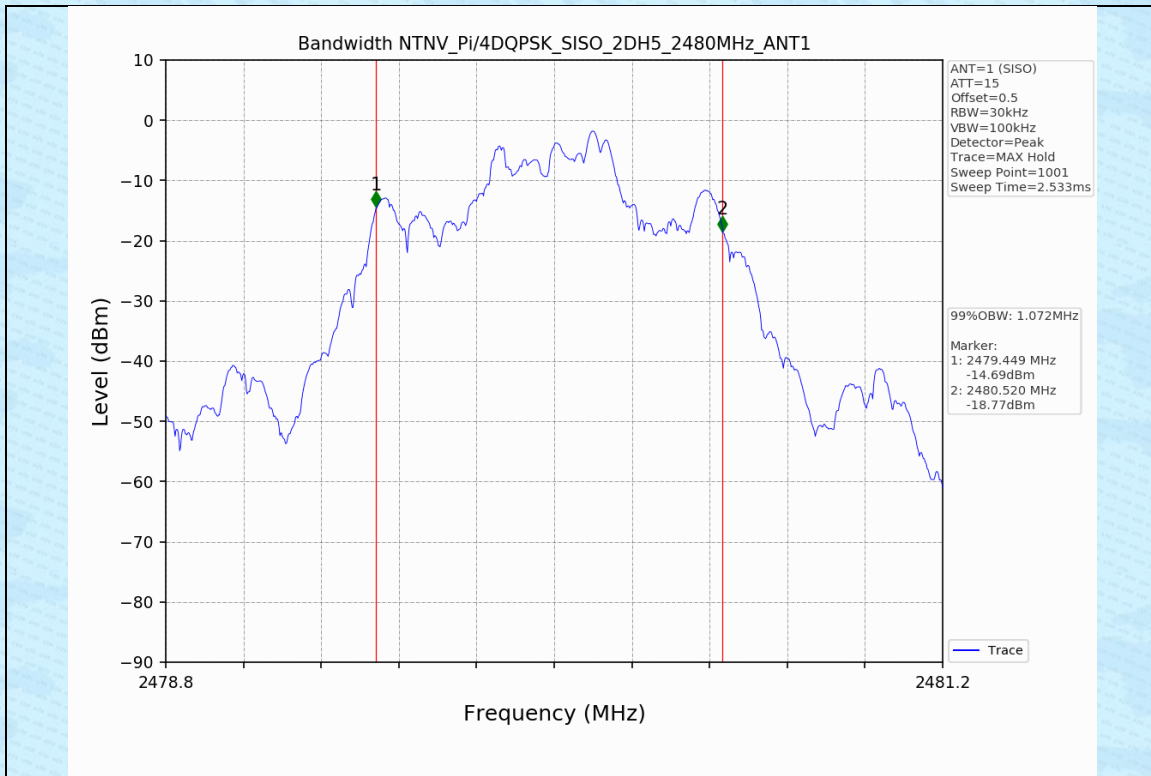
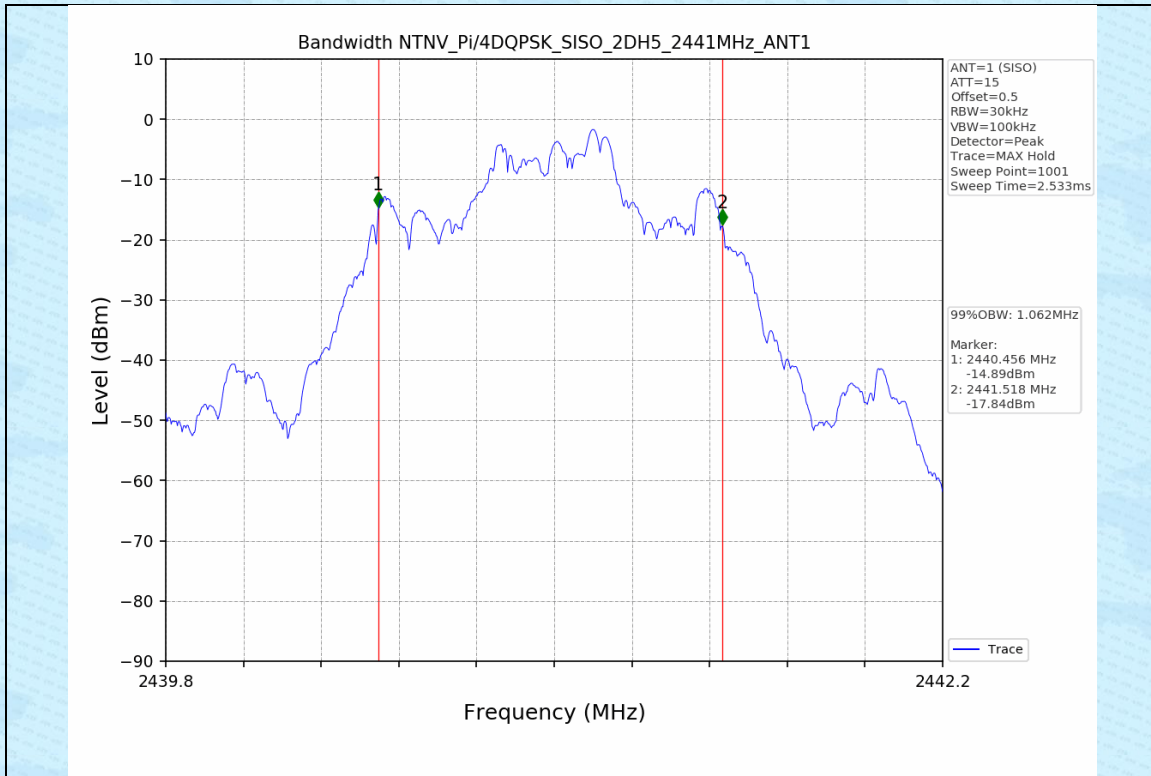




1.3 Test Graph - 99% Occupied Bandwidth





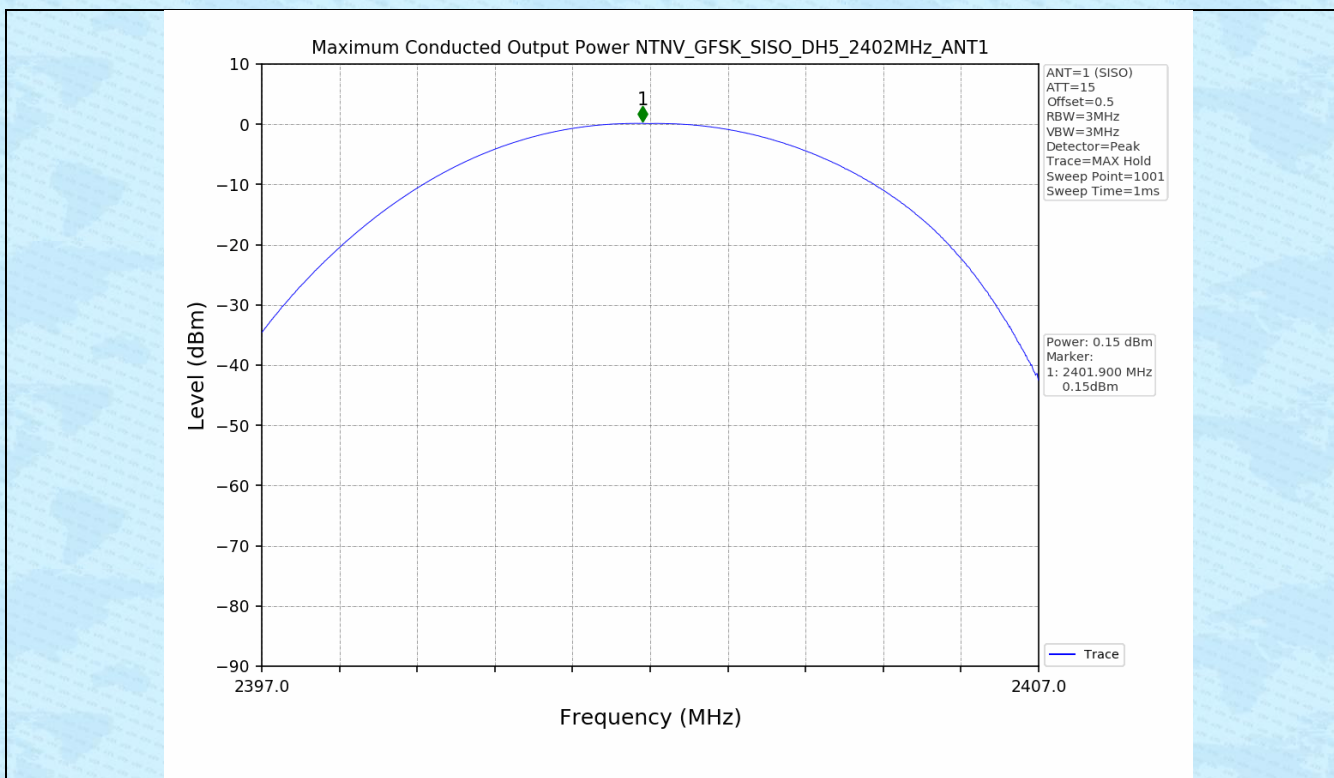


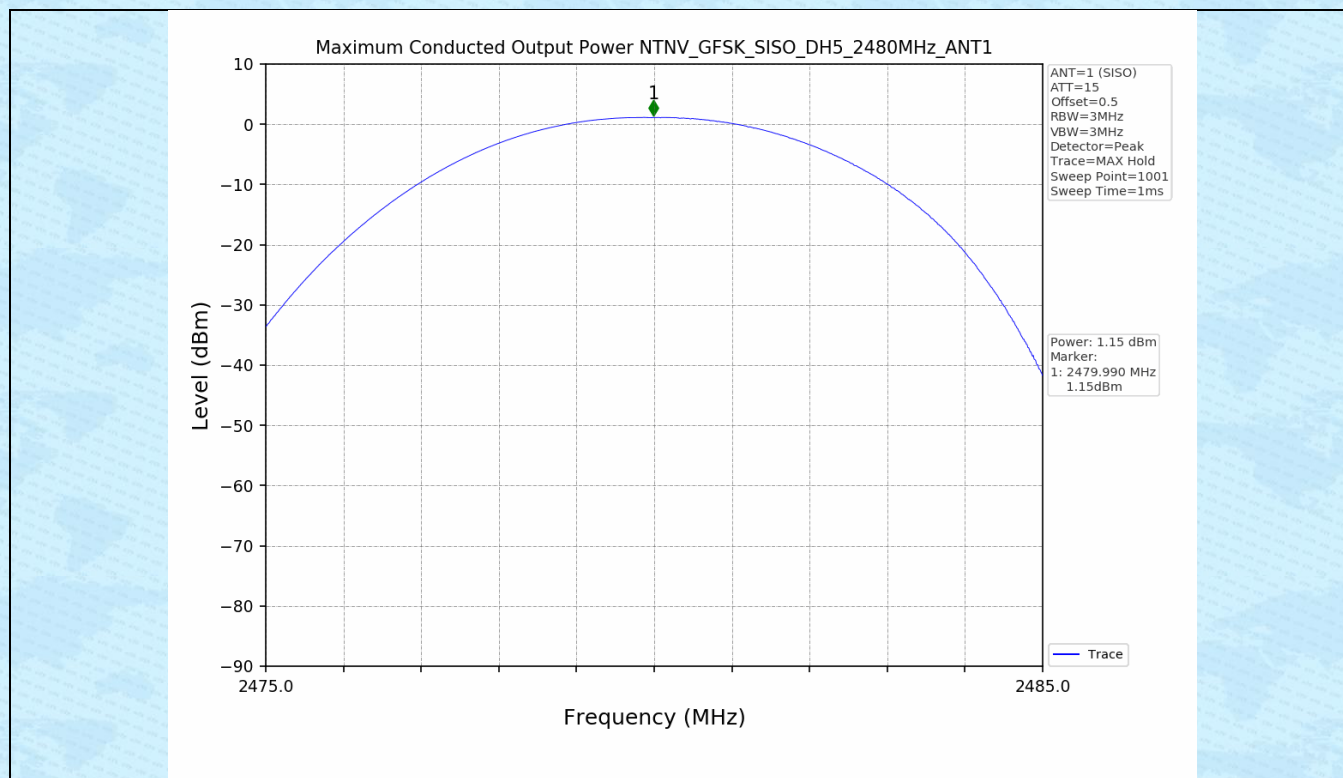
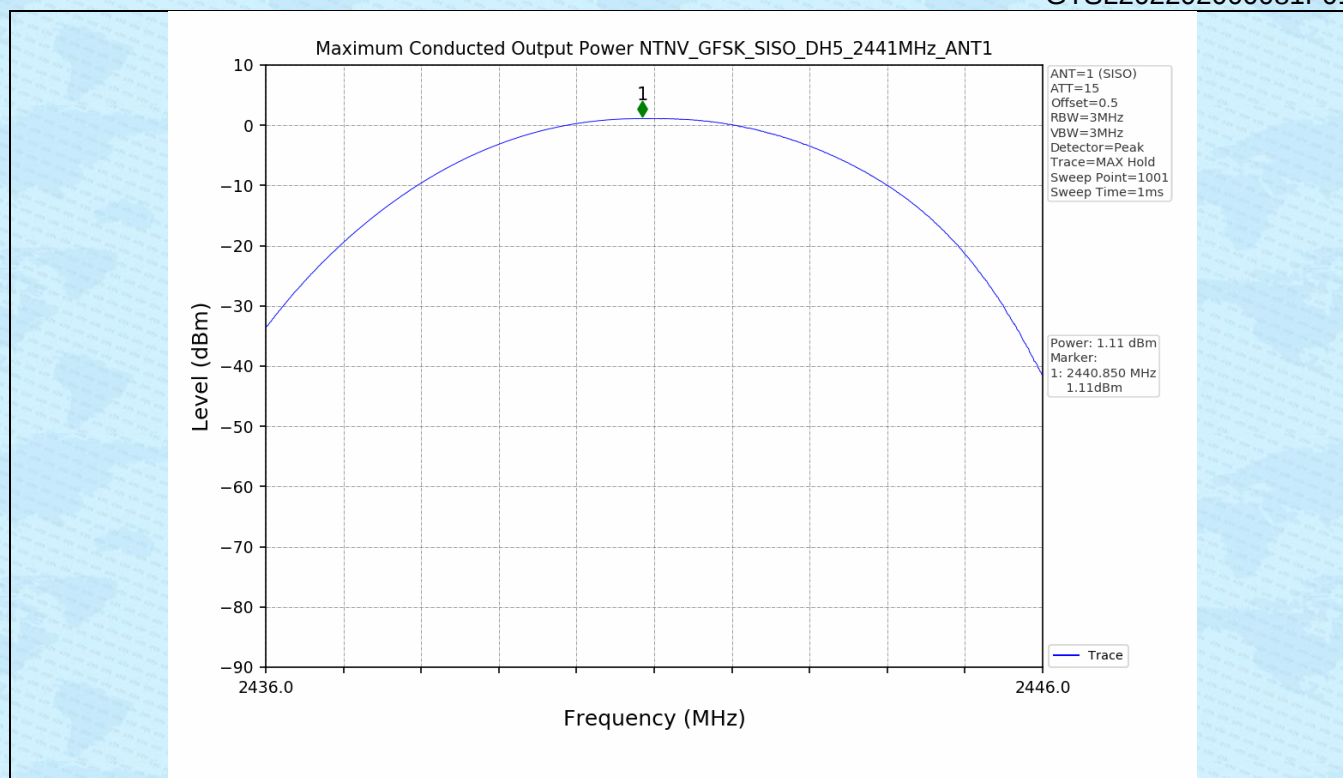
2. Maximum Conducted Output Power

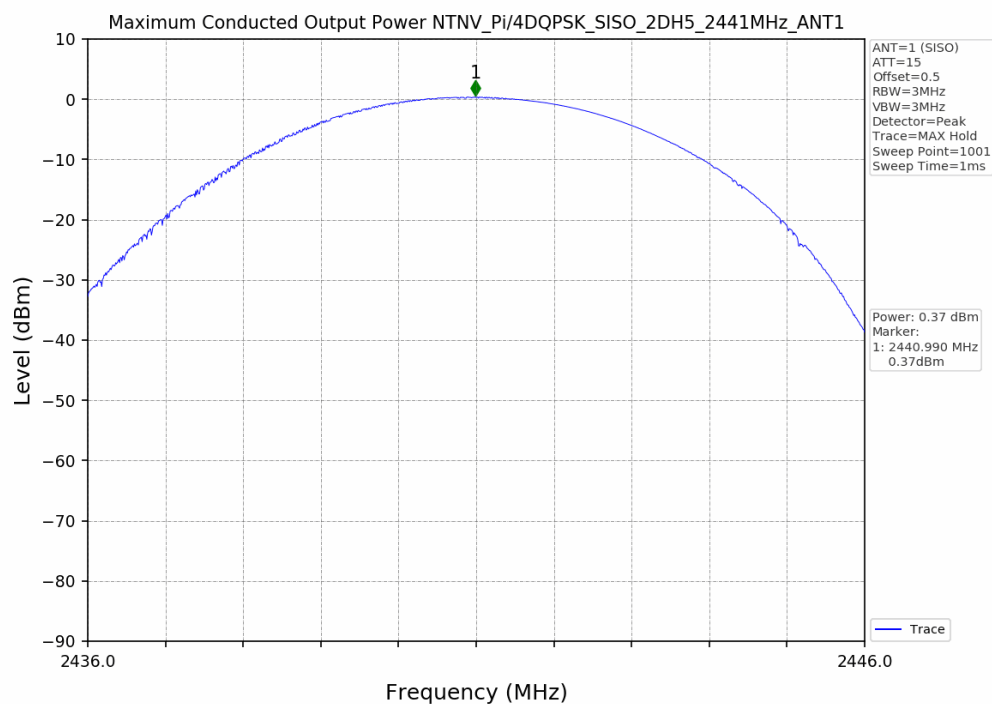
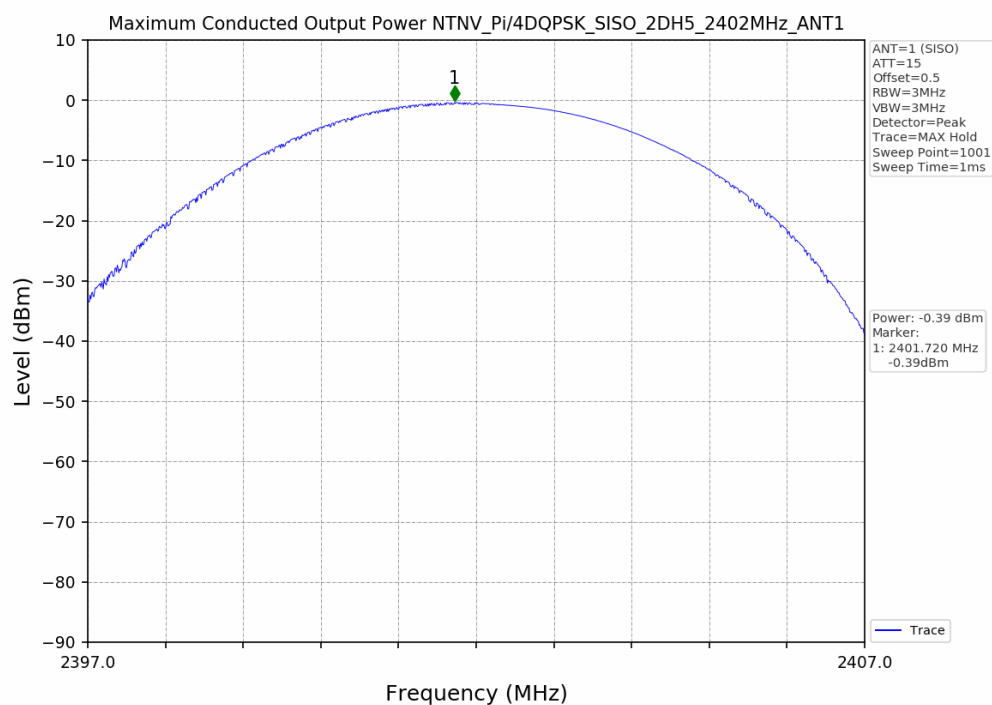
2.1 Test Result

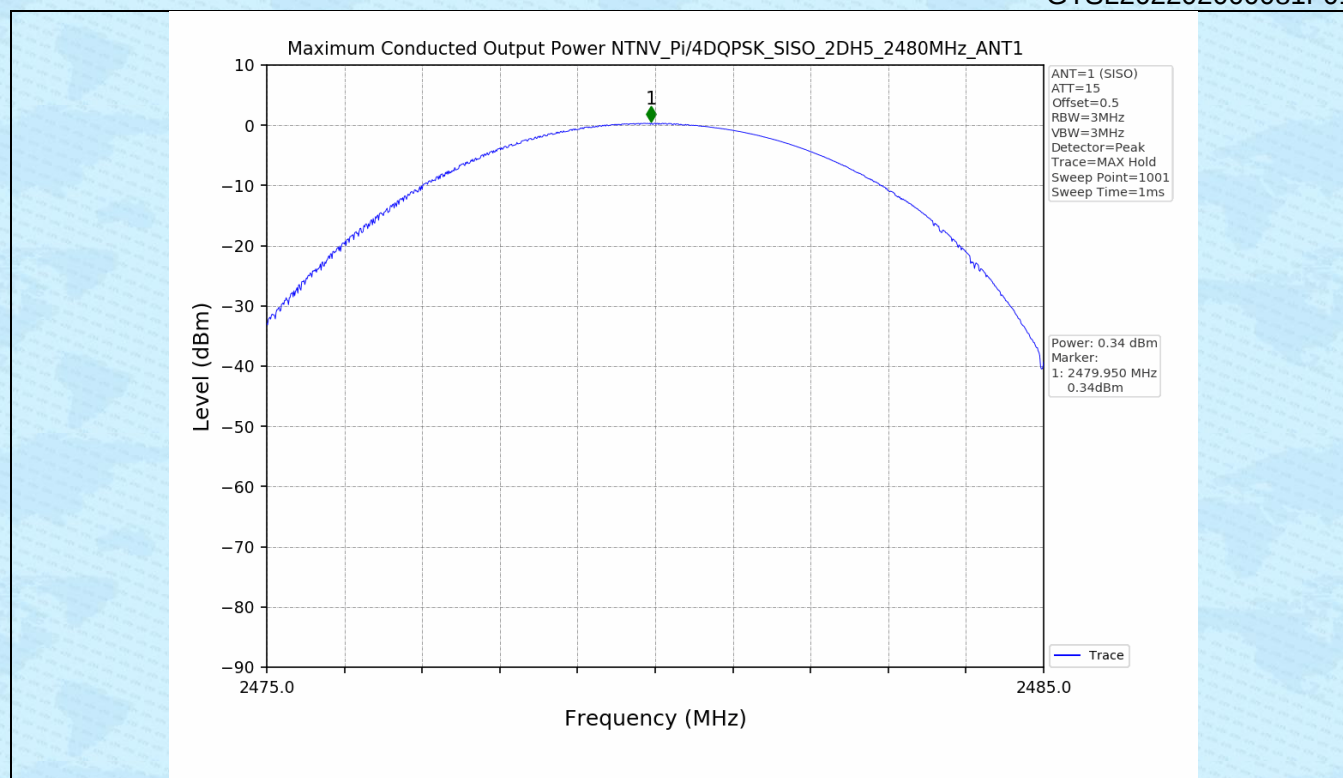
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	0.15	30	PASS
	2441	SISO	1.11	30	PASS
	2480	SISO	1.15	30	PASS
$\pi/4$ -DQPSK	2402	SISO	-0.39	20.97	PASS
	2441	SISO	0.37	20.97	PASS
	2480	SISO	0.34	20.97	PASS

2.2 Test Graph







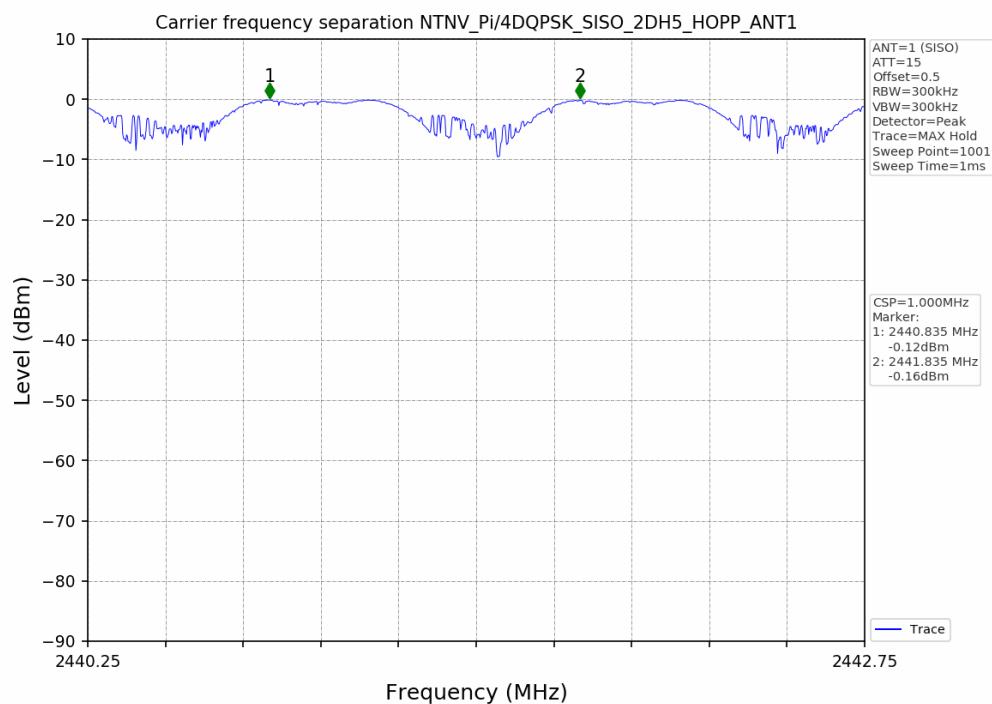
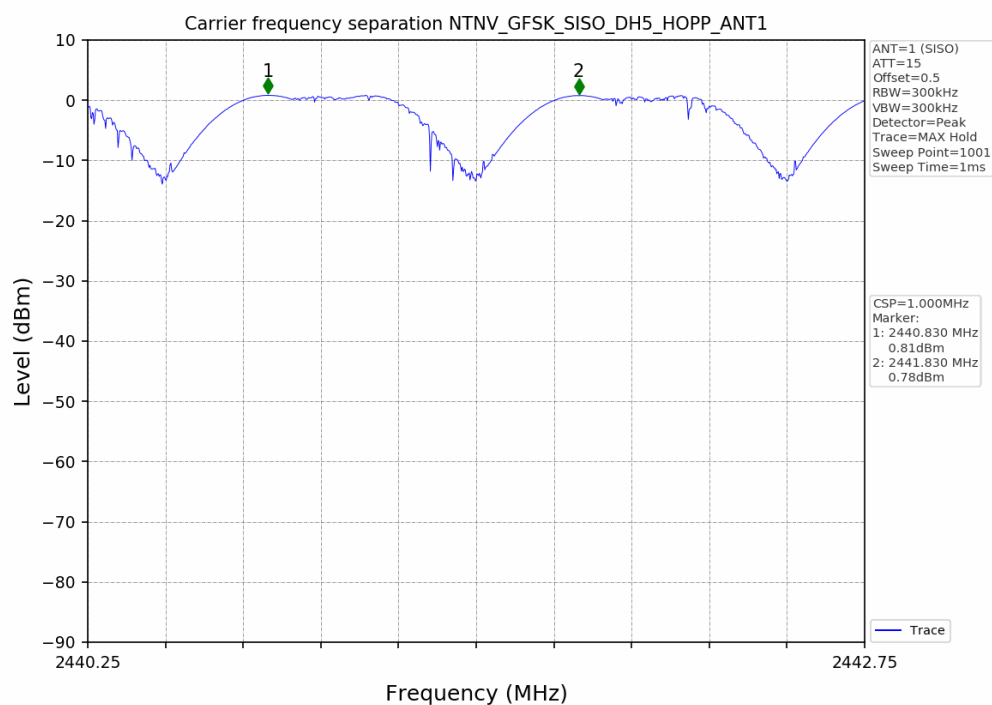


3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	0.823	≥ 0.823	PASS
$\pi/4$ -DQPSK	SISO	1	1.000	1.127	≥ 0.751	PASS

3.2 Test Graph

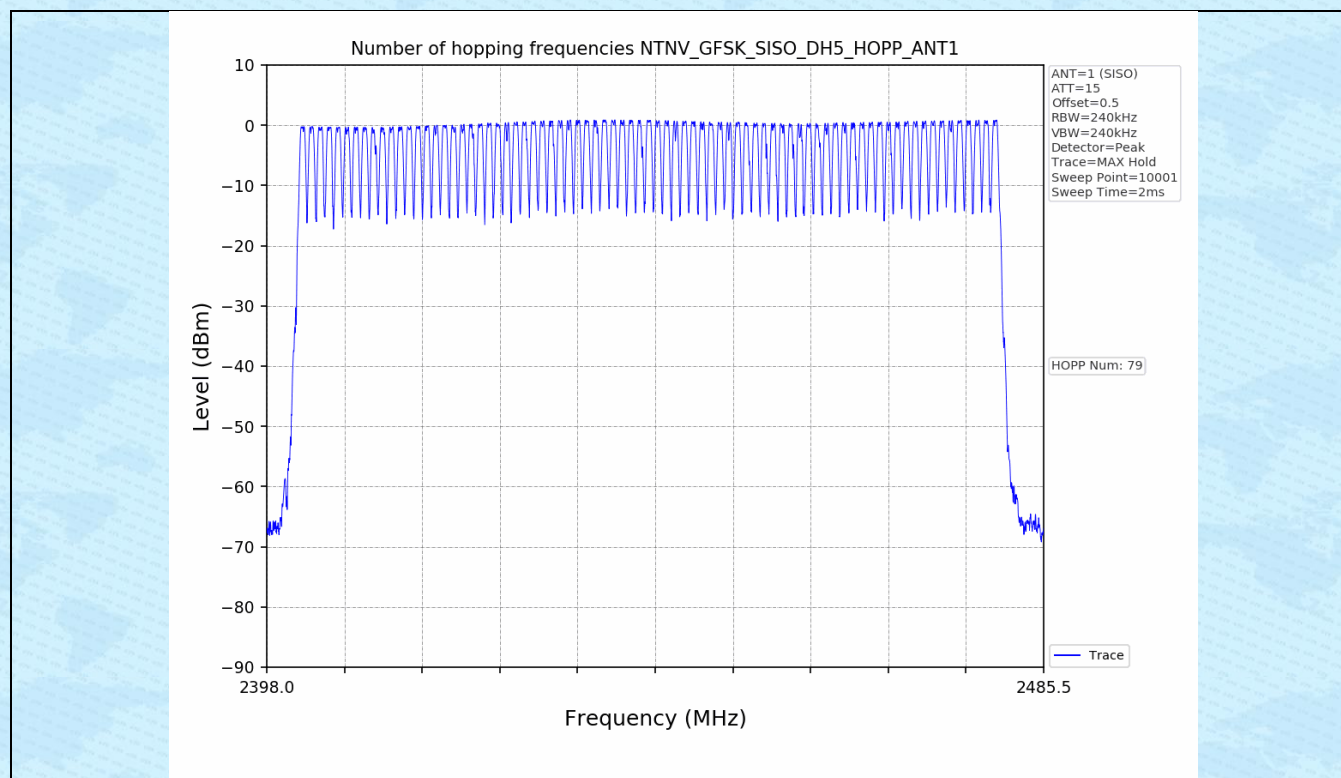


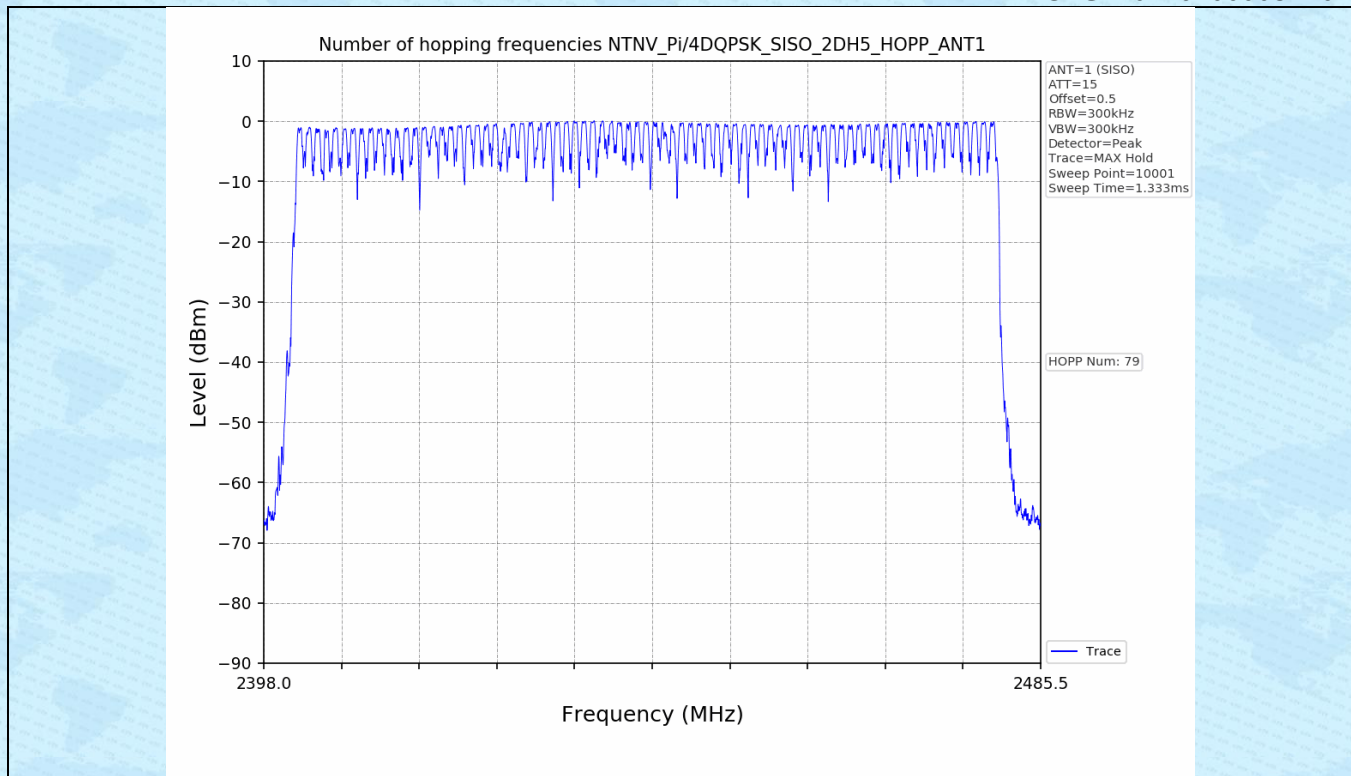
4. Number of hopping frequencies

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



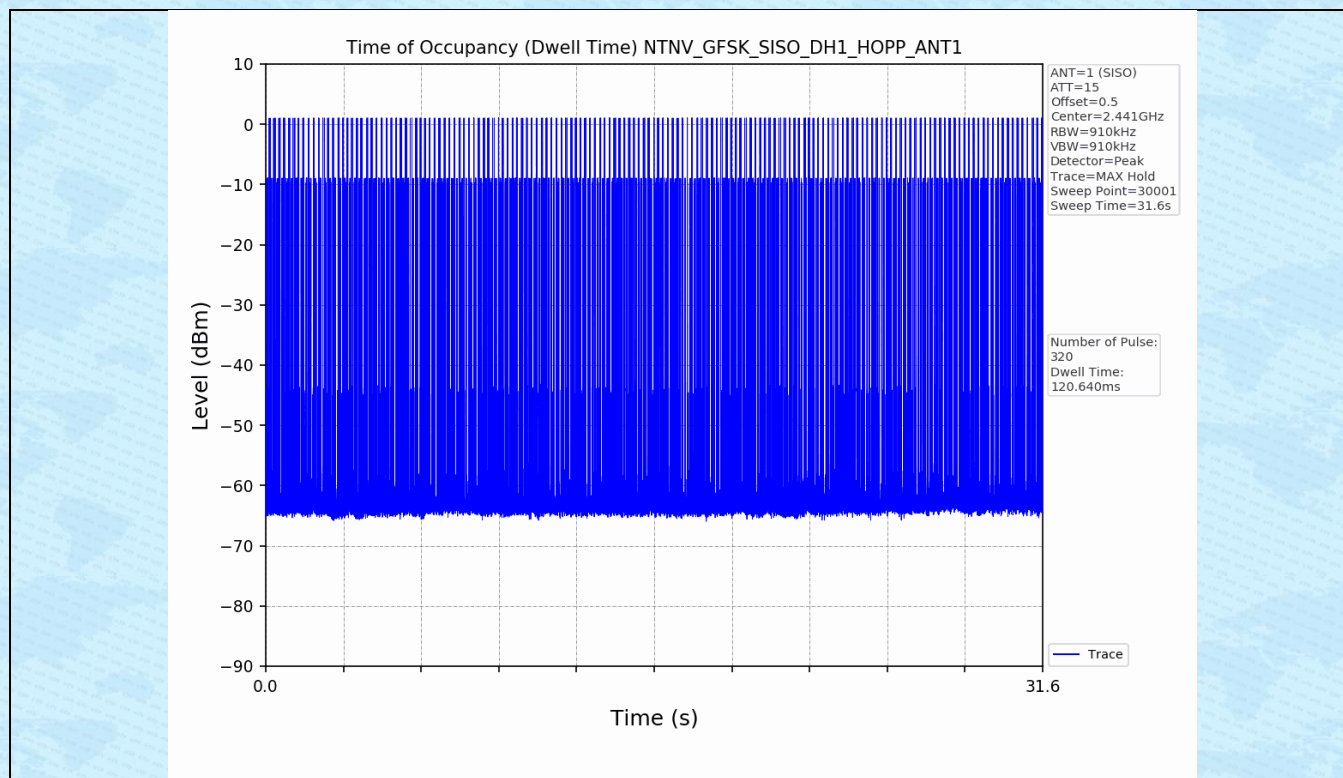
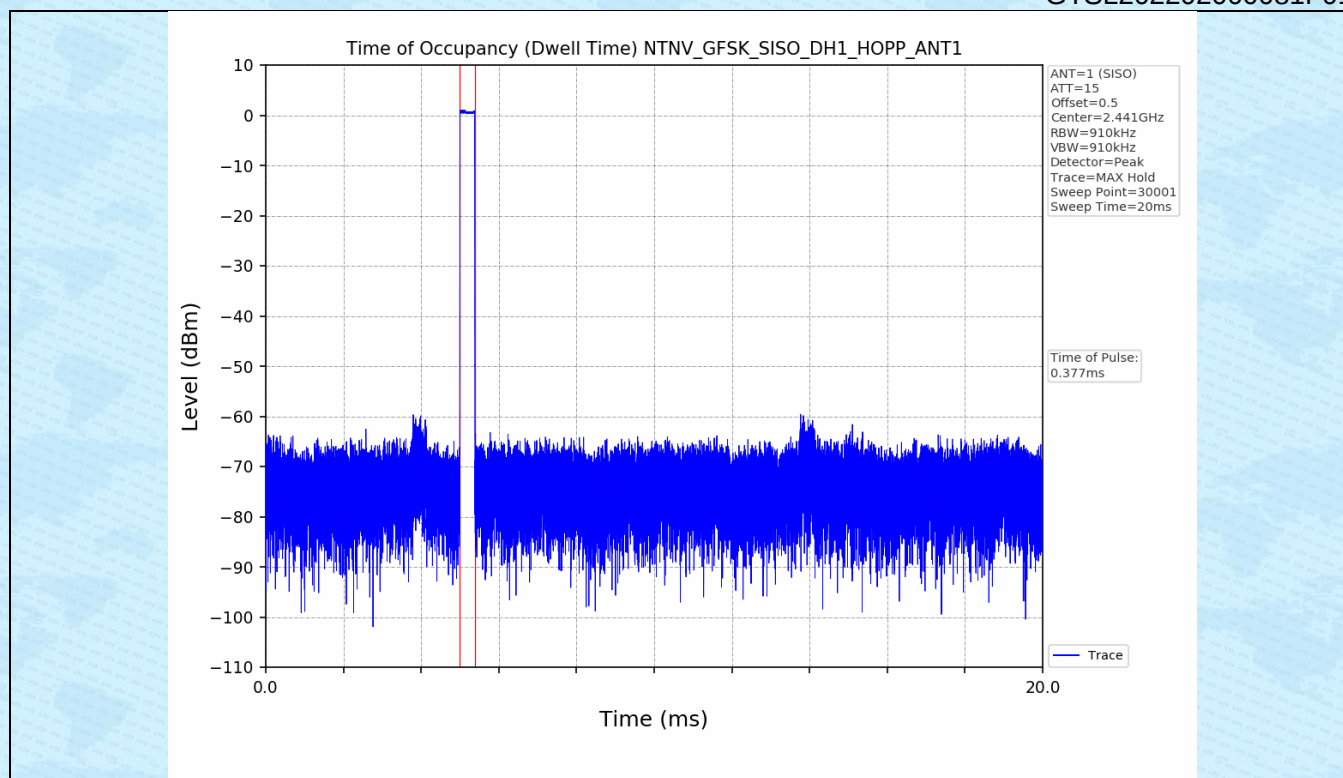


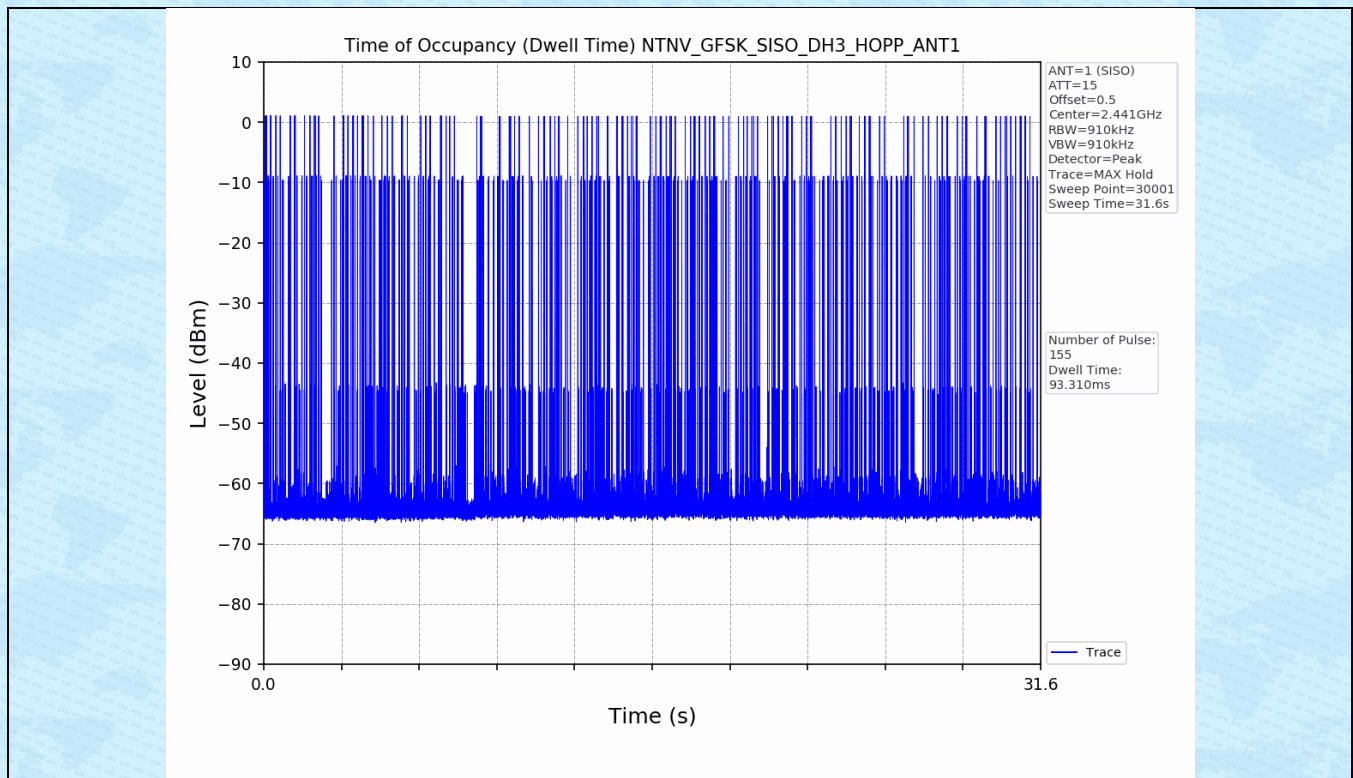
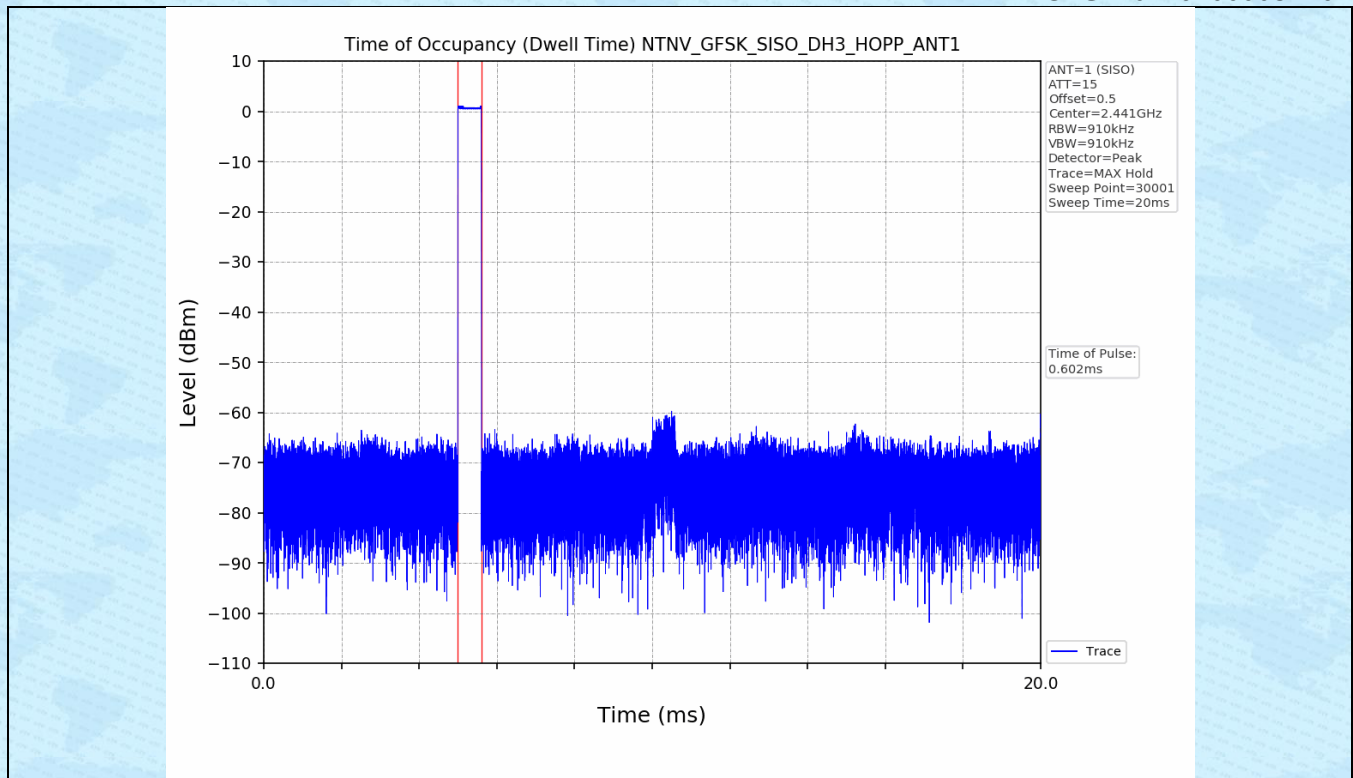
5. Time of Occupancy (Dwell Time)

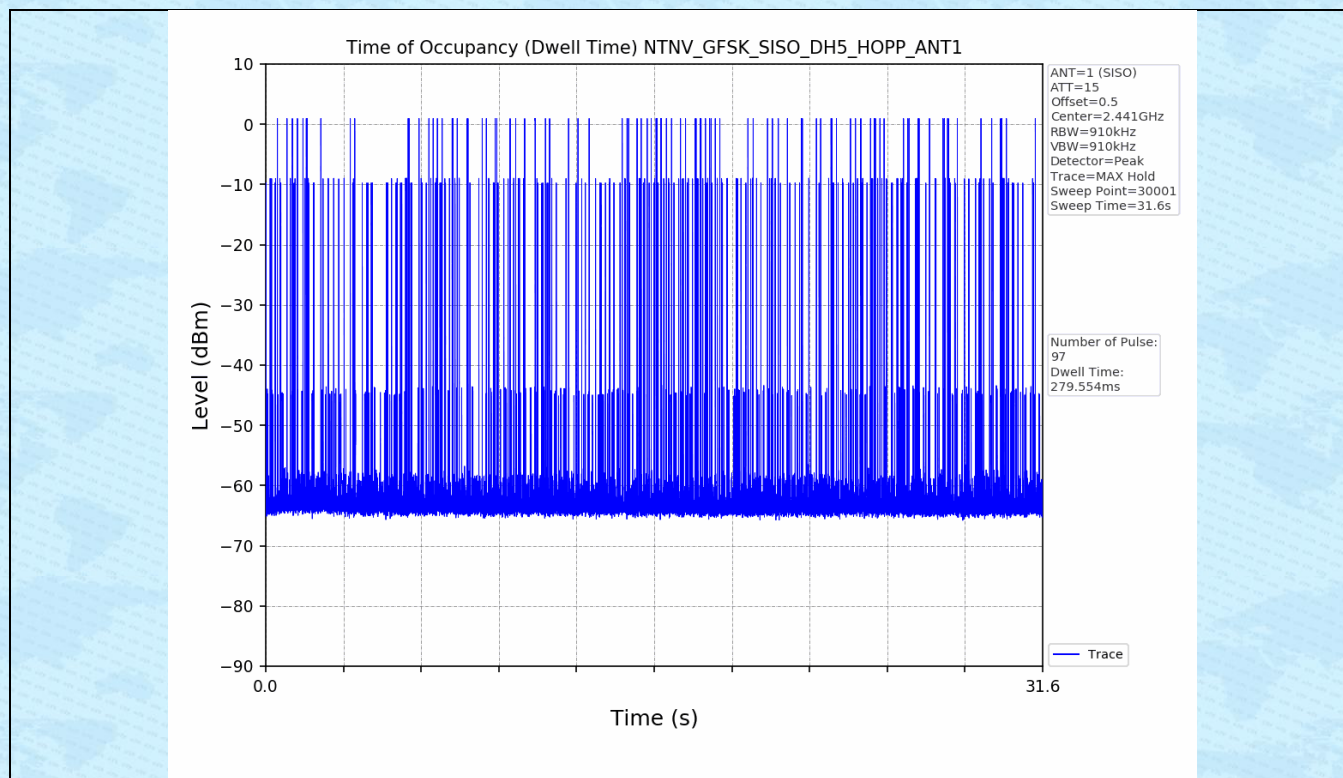
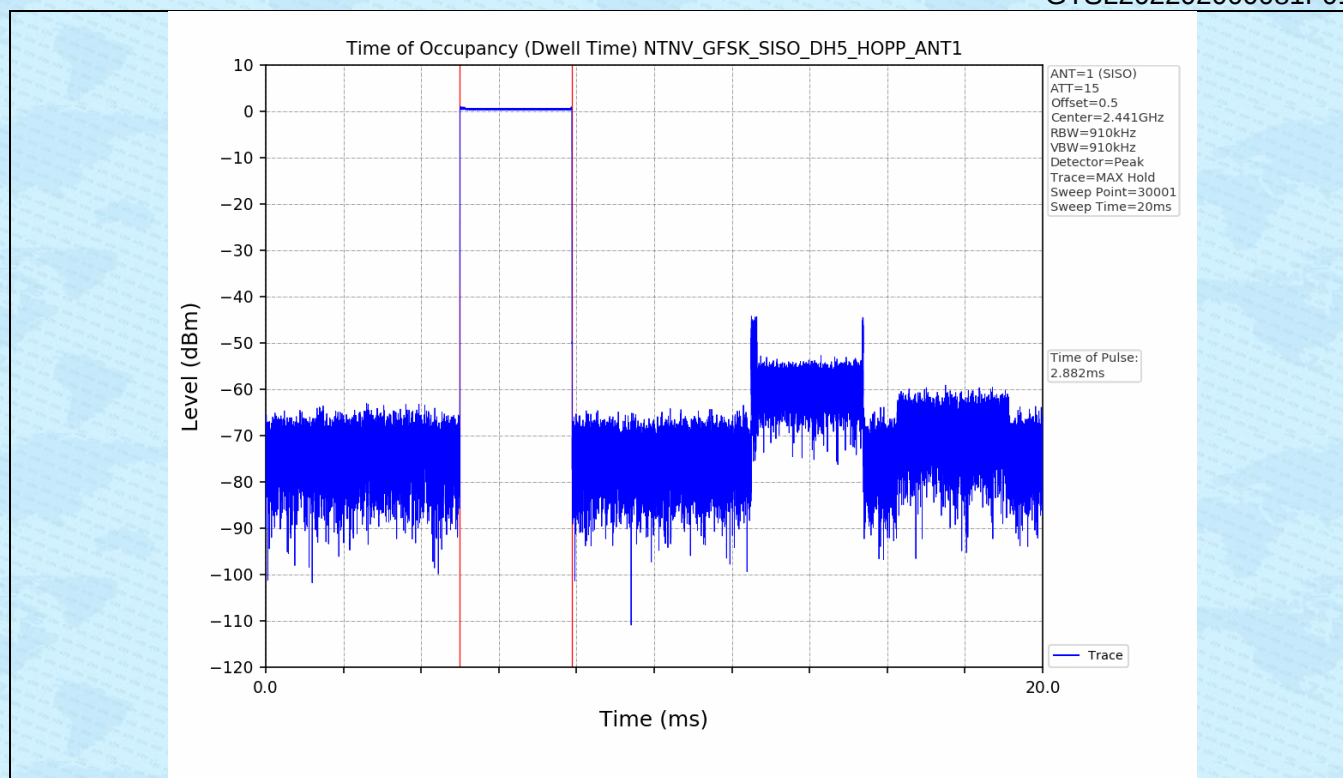
5.1 Test Result

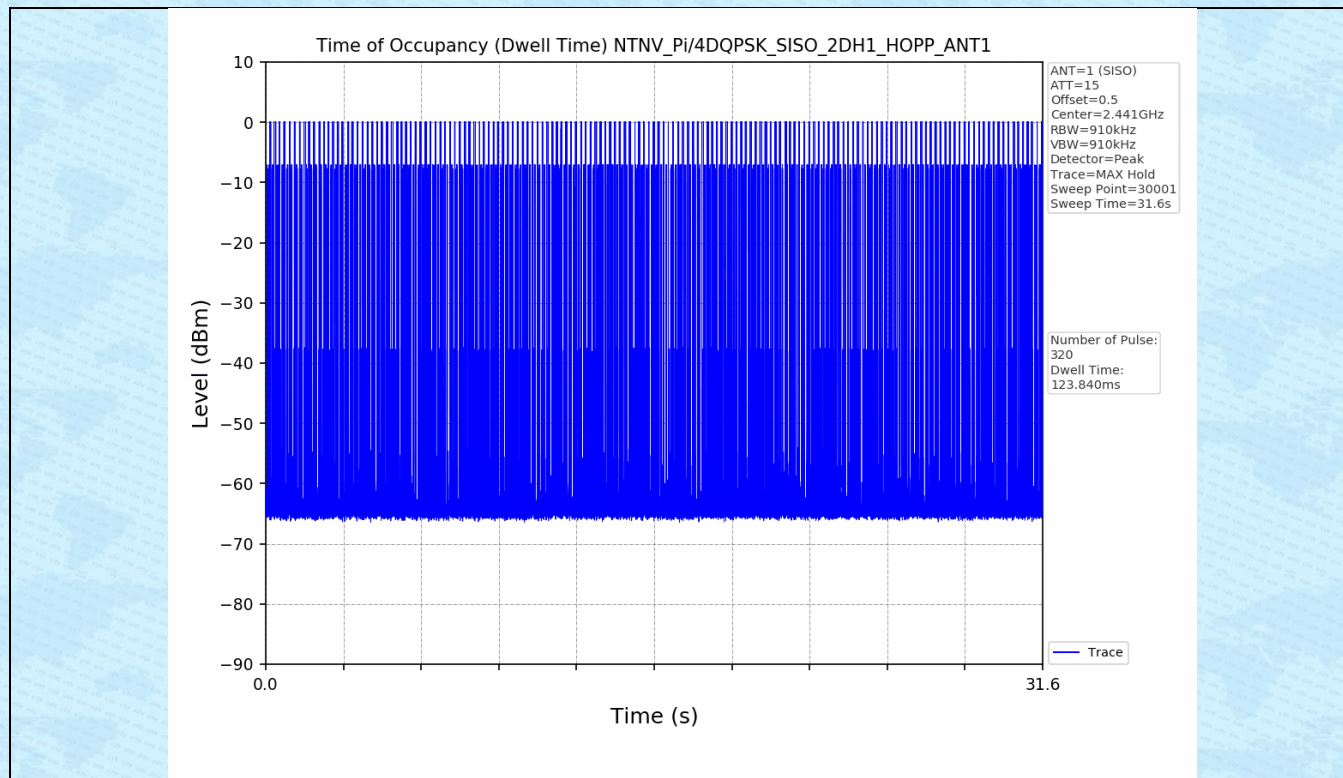
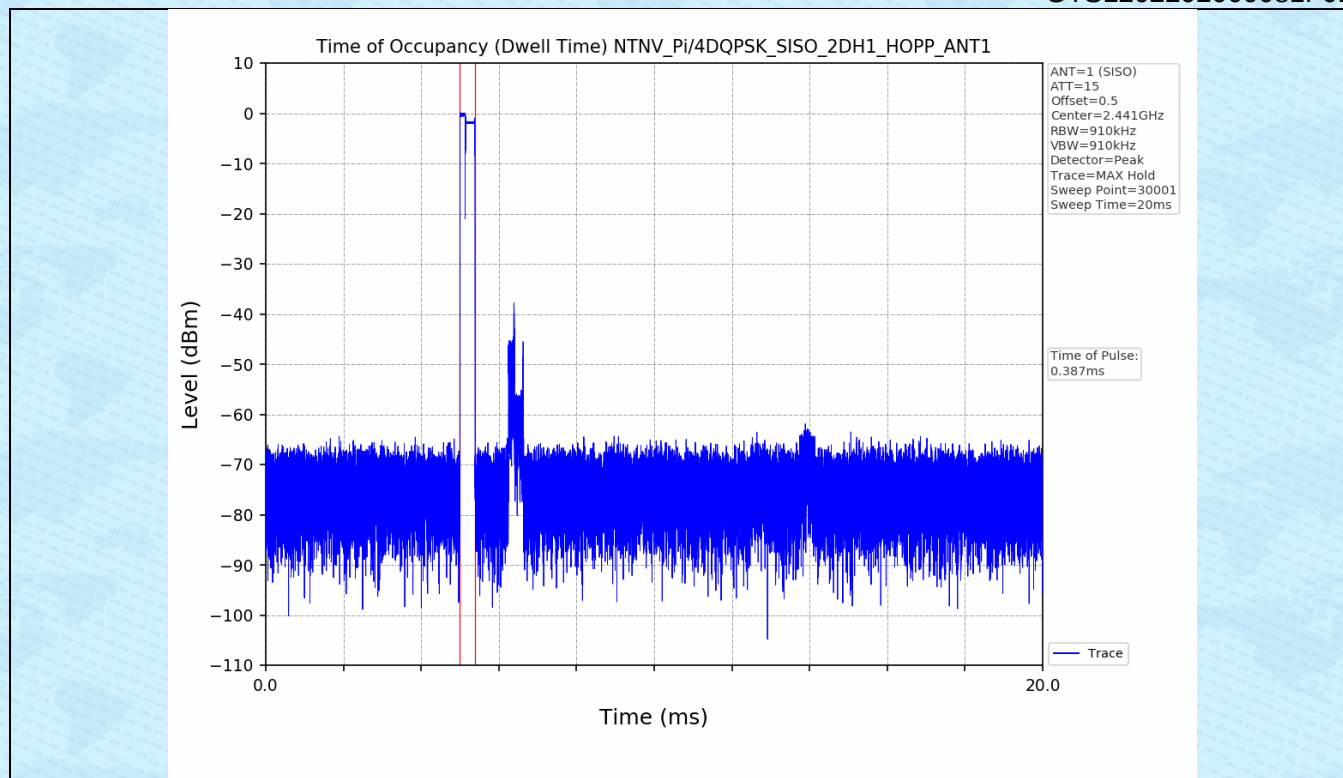
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.377	31.6	320	120.640	≤400	PASS
	DH3	SISO	1	0.602	31.6	155	93.310	≤400	PASS
	DH5	SISO	1	2.882	31.6	97	279.554	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.387	31.6	320	123.840	≤400	PASS
	2DH3	SISO	1	1.638	31.6	159	260.442	≤400	PASS
	2DH5	SISO	1	2.887	31.6	103	297.361	≤400	PASS

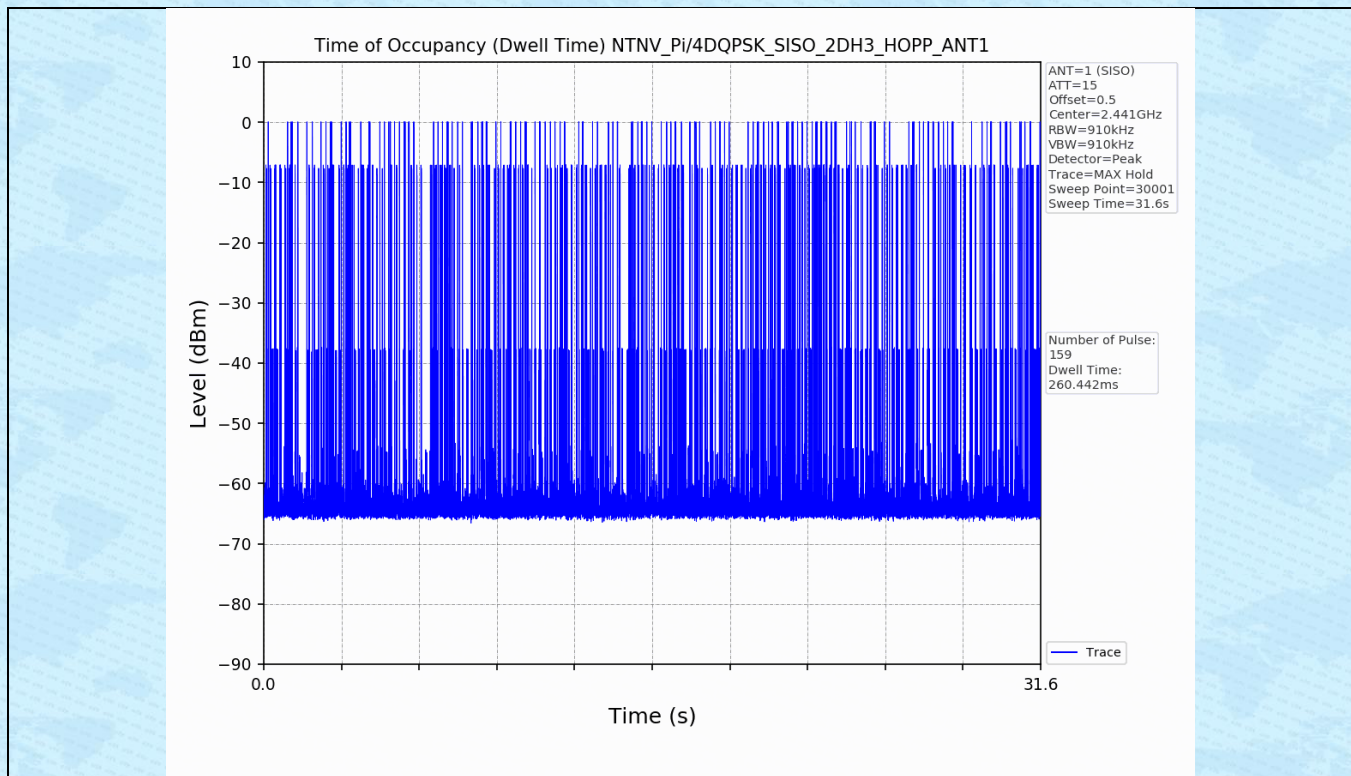
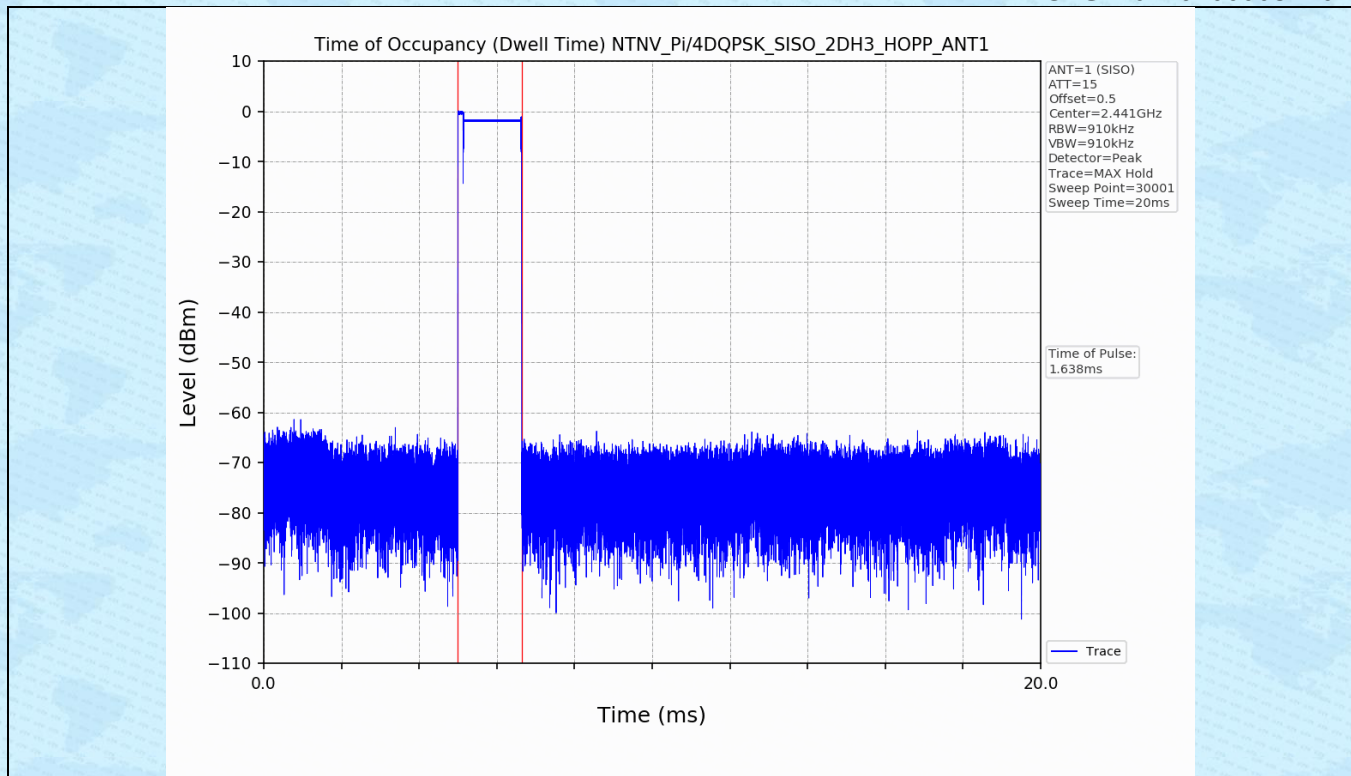
5.2 Test Graph

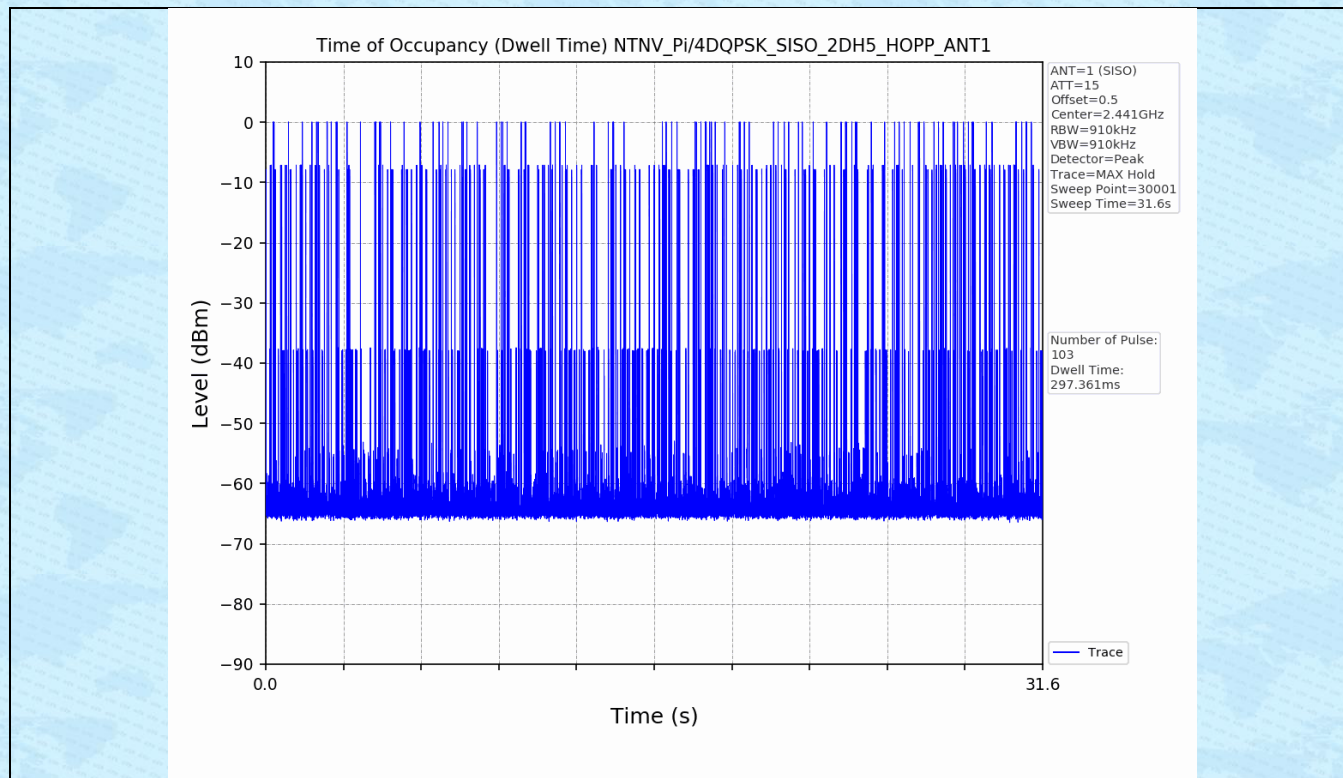
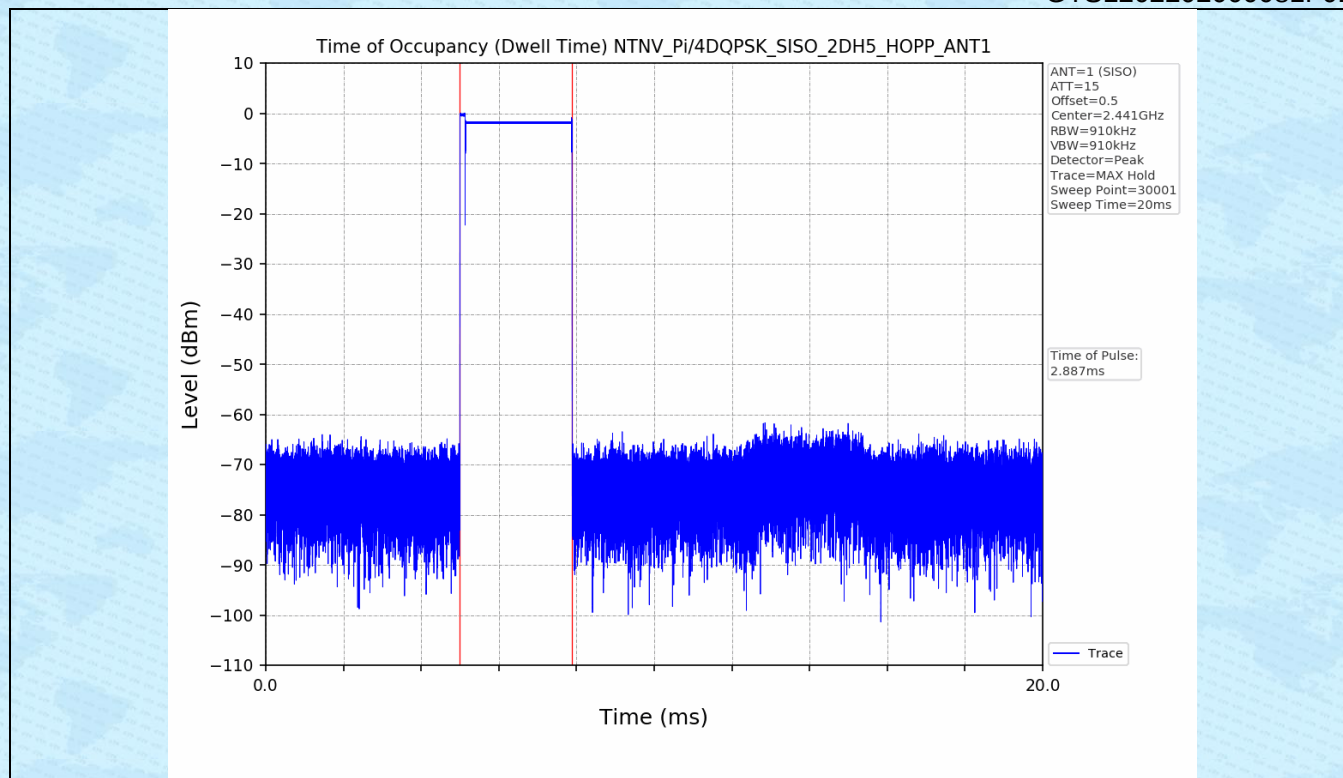










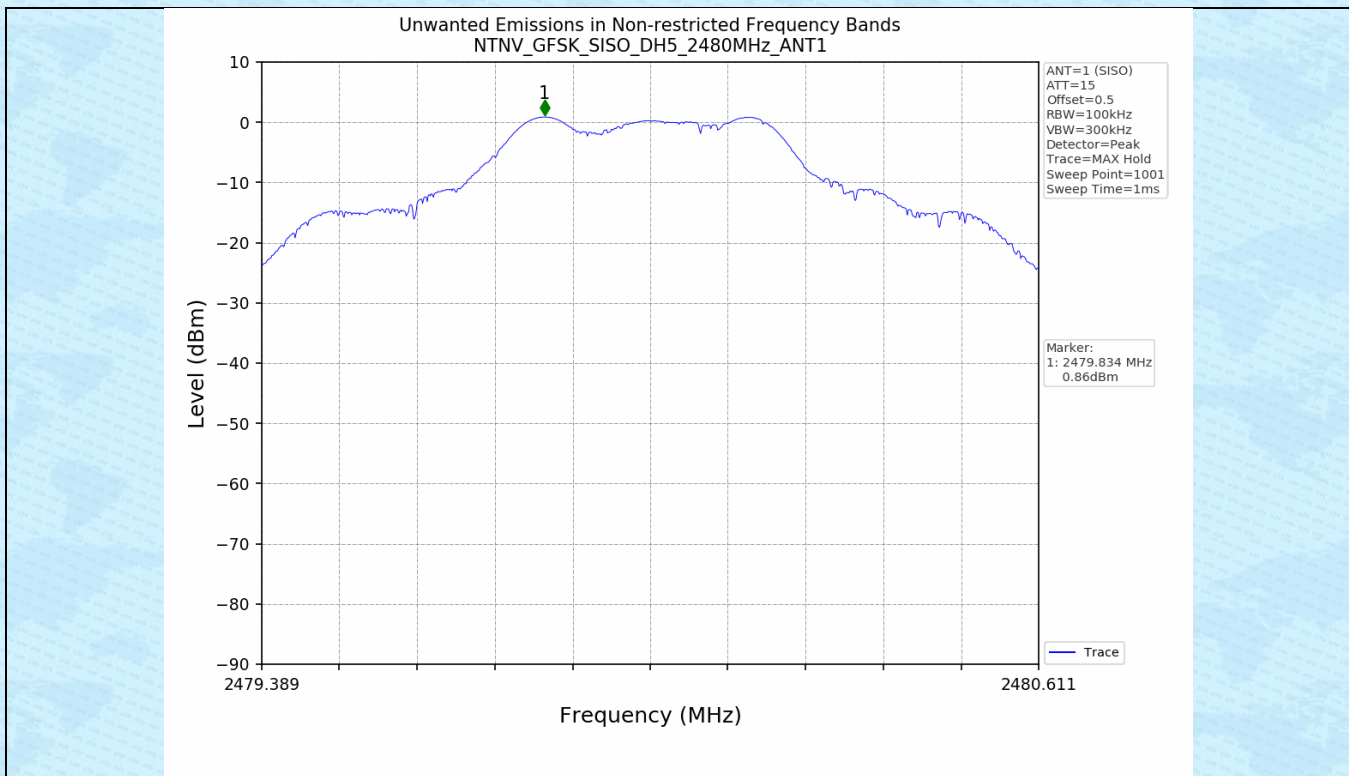


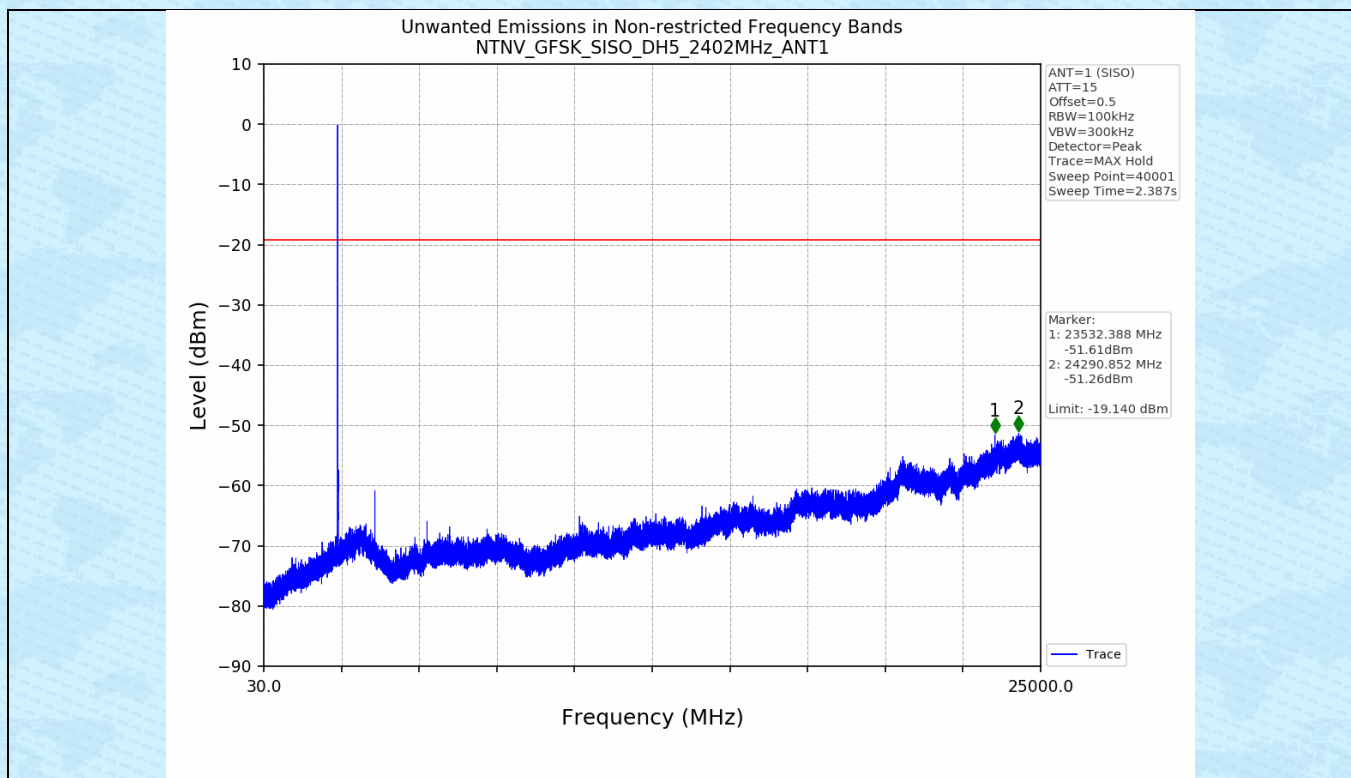
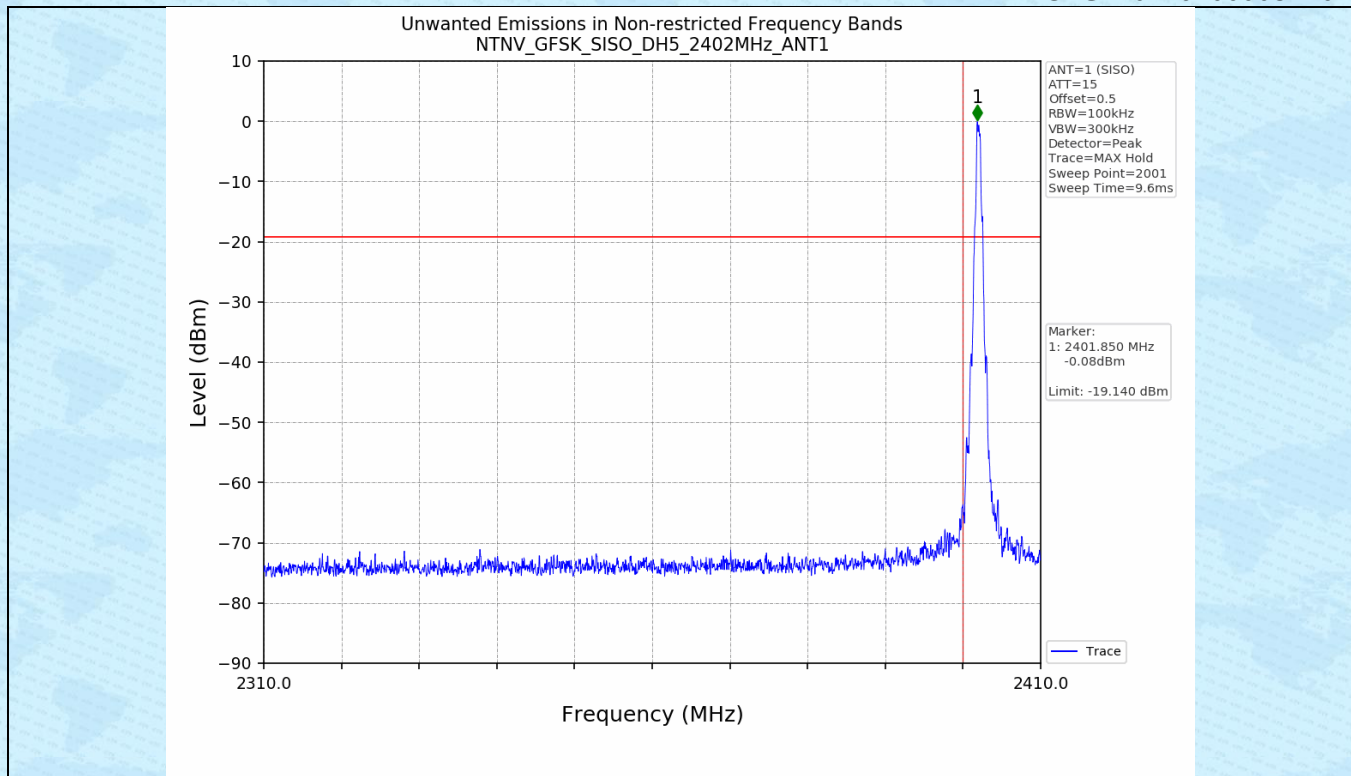
6. Unwanted Emissions in Non-restricted Frequency Bands

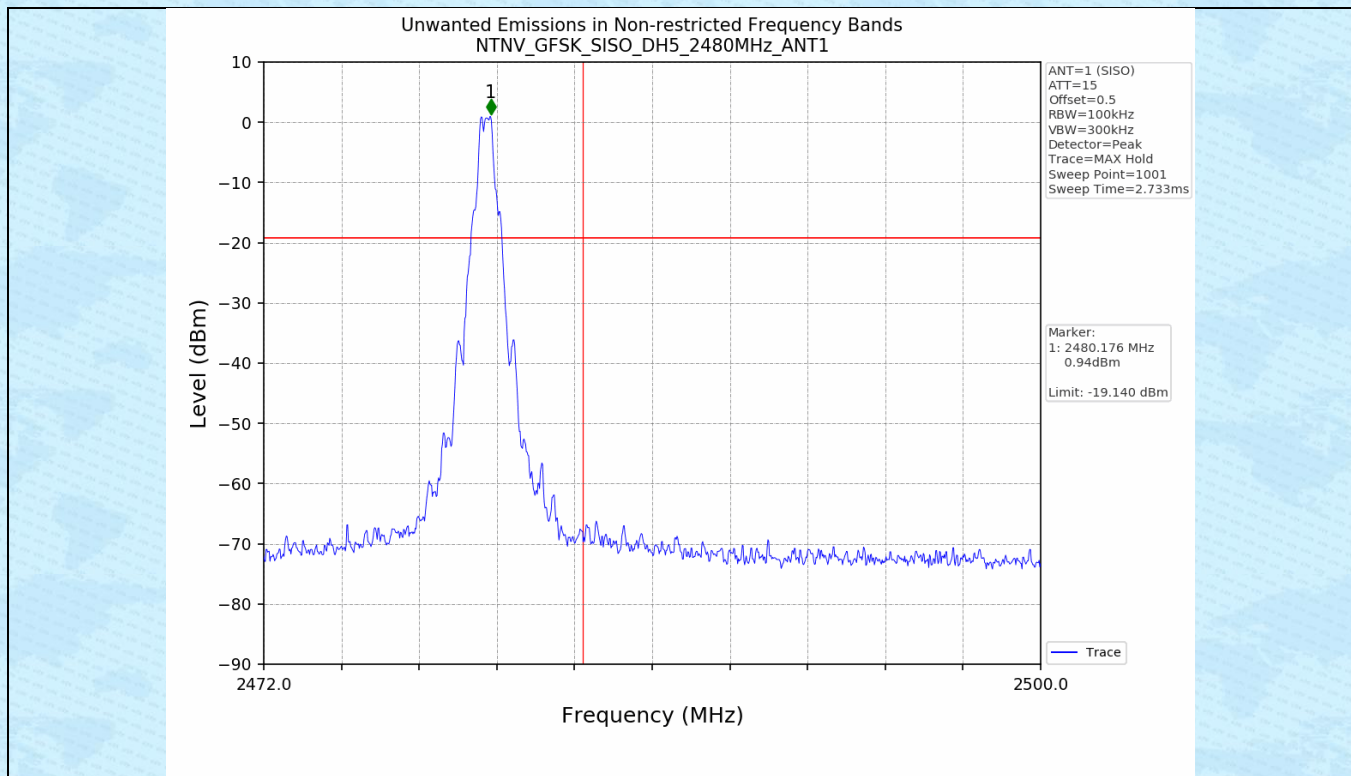
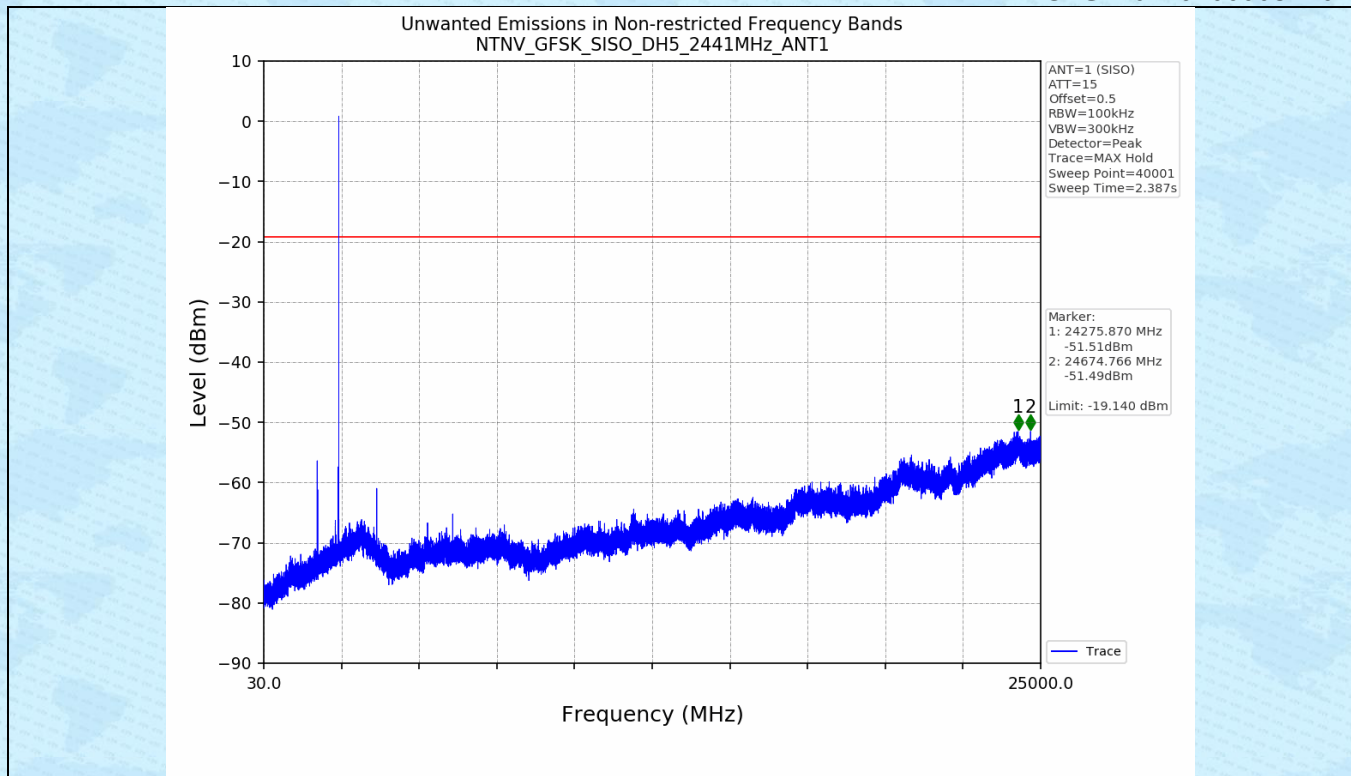
6.1 Test Result

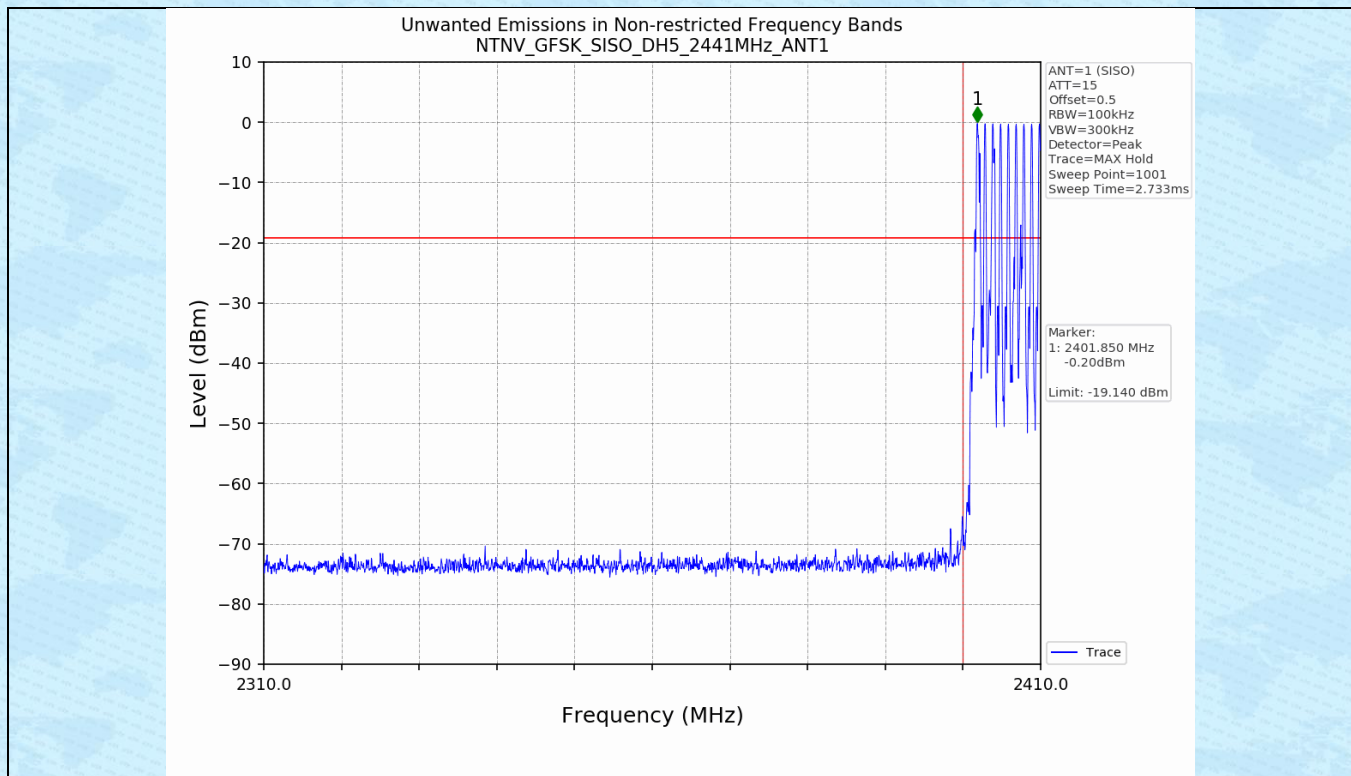
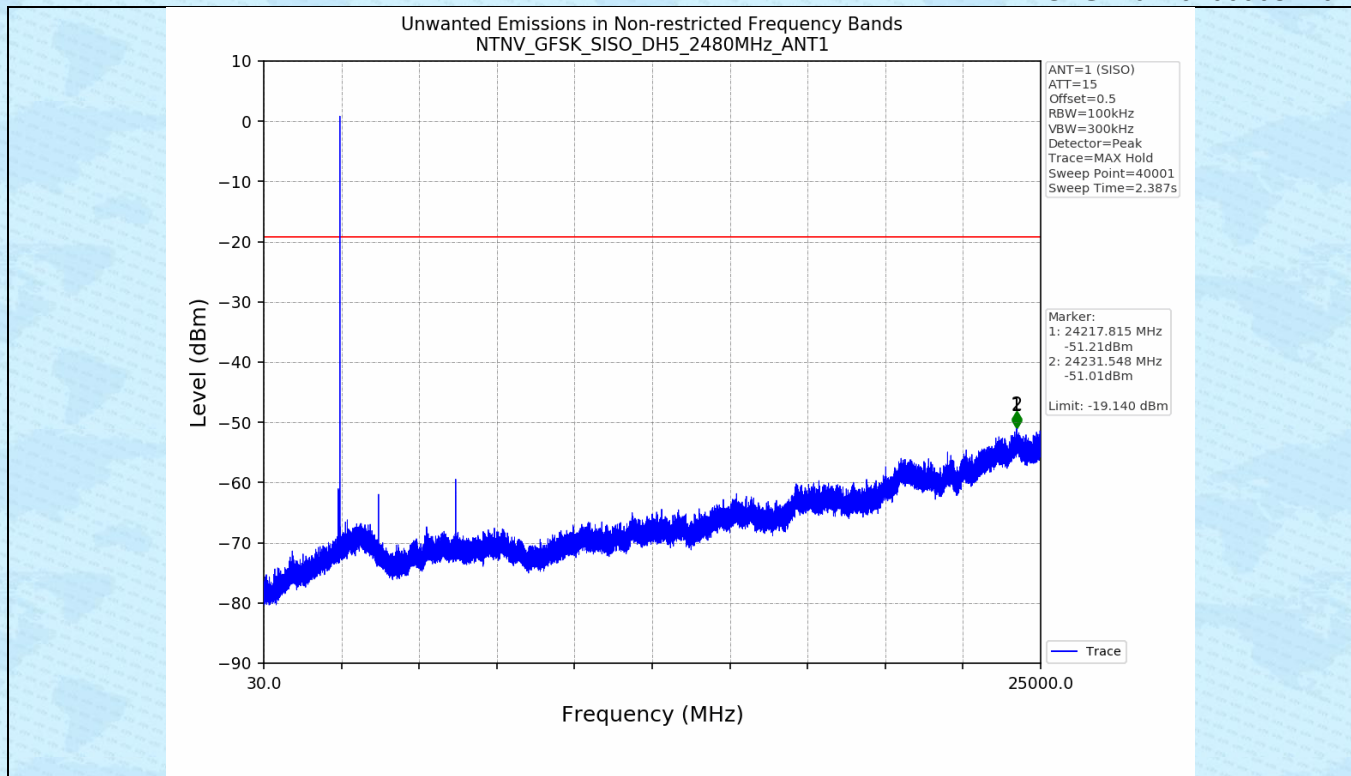
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-19.14	PASS
	2441	SISO	1	Refer to test graph	-19.14	PASS
	2480	SISO	1	Refer to test graph	-19.14	PASS
	Hopping	SISO	1	Refer to test graph	-19.14	PASS
$\pi/4$ -DQPSK	2402	SISO	1	Refer to test graph	-20.16	PASS
	2441	SISO	1	Refer to test graph	-20.16	PASS
	2480	SISO	1	Refer to test graph	-20.16	PASS
	Hopping	SISO	1	Refer to test graph	-20.16	PASS

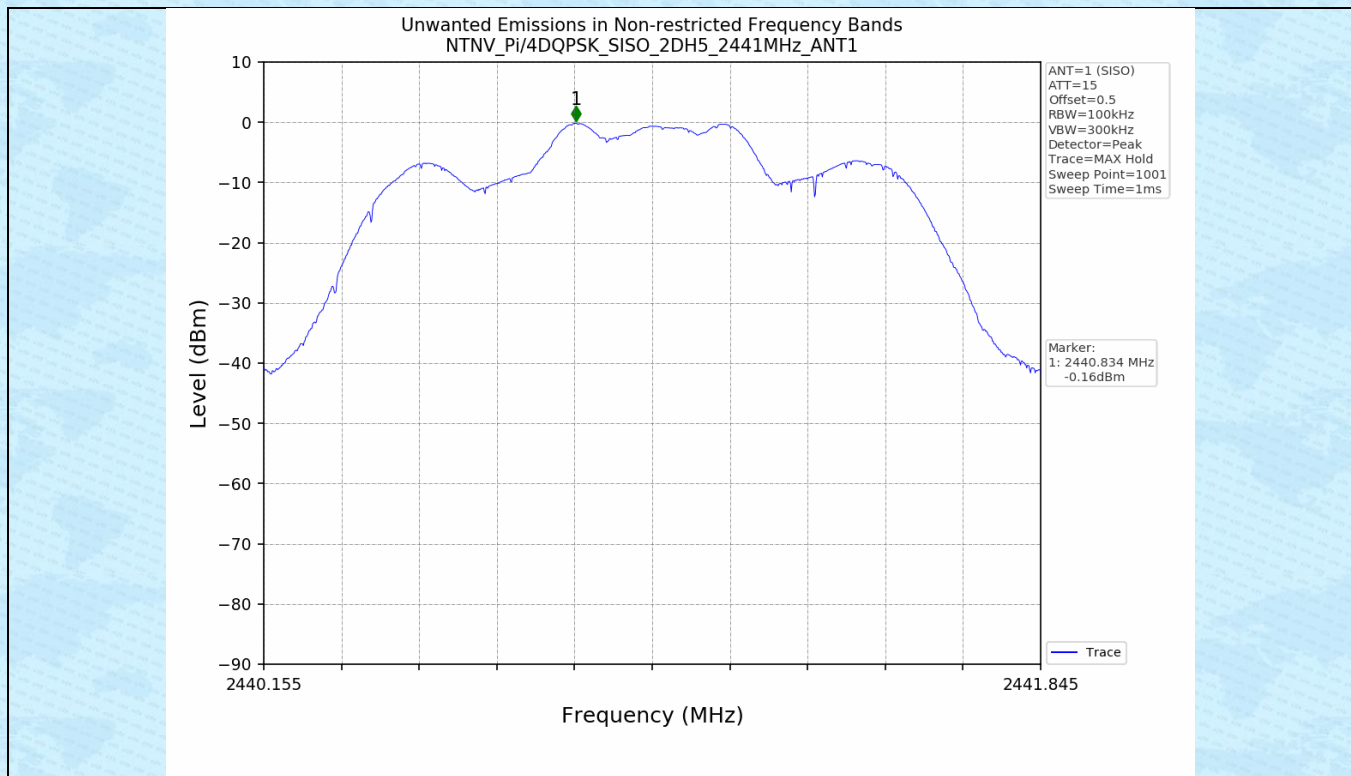
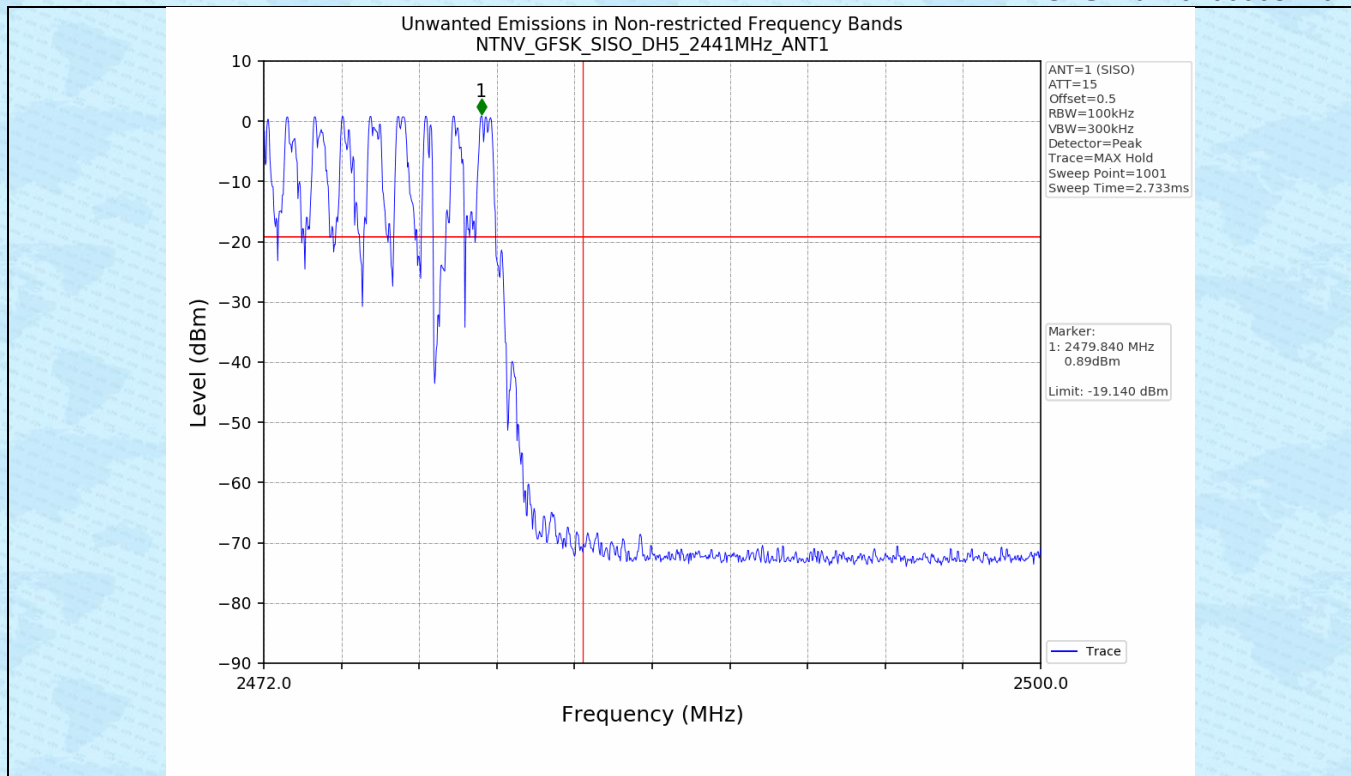
6.2 Test Graph

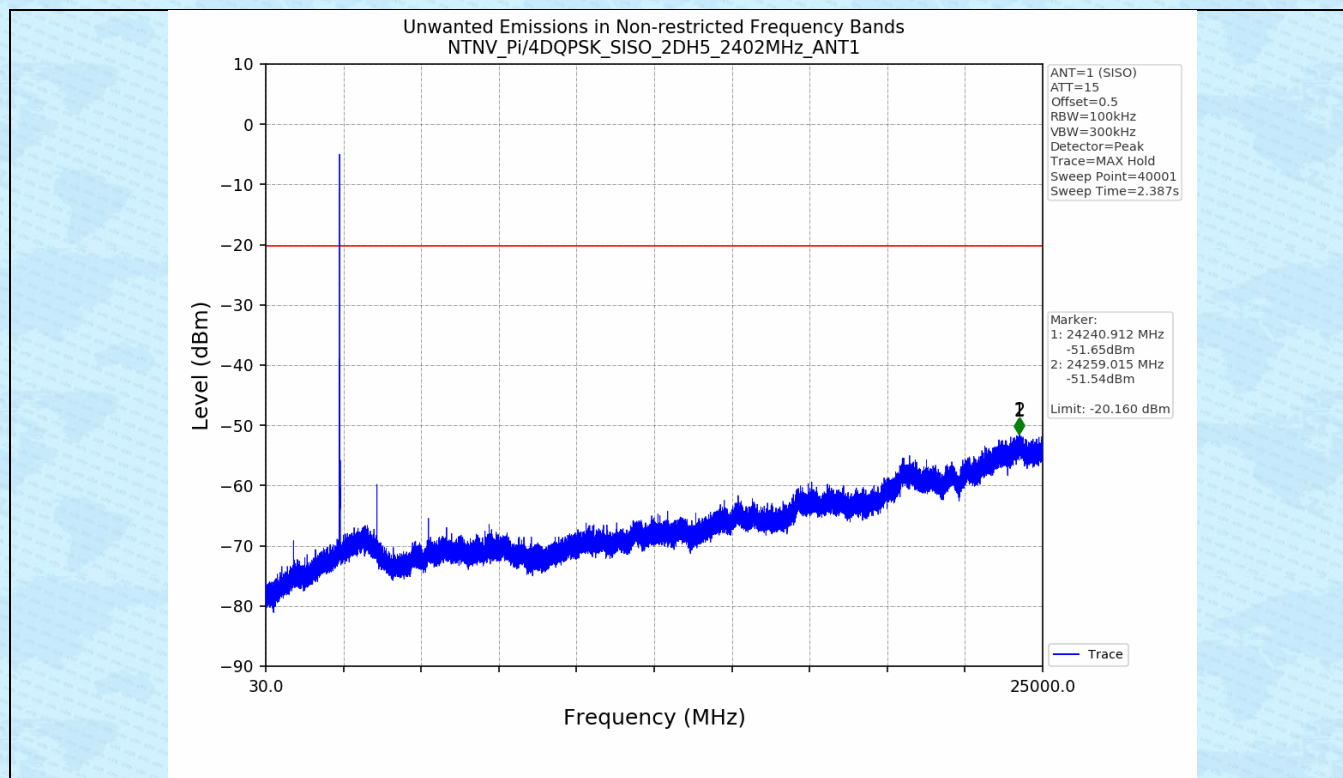
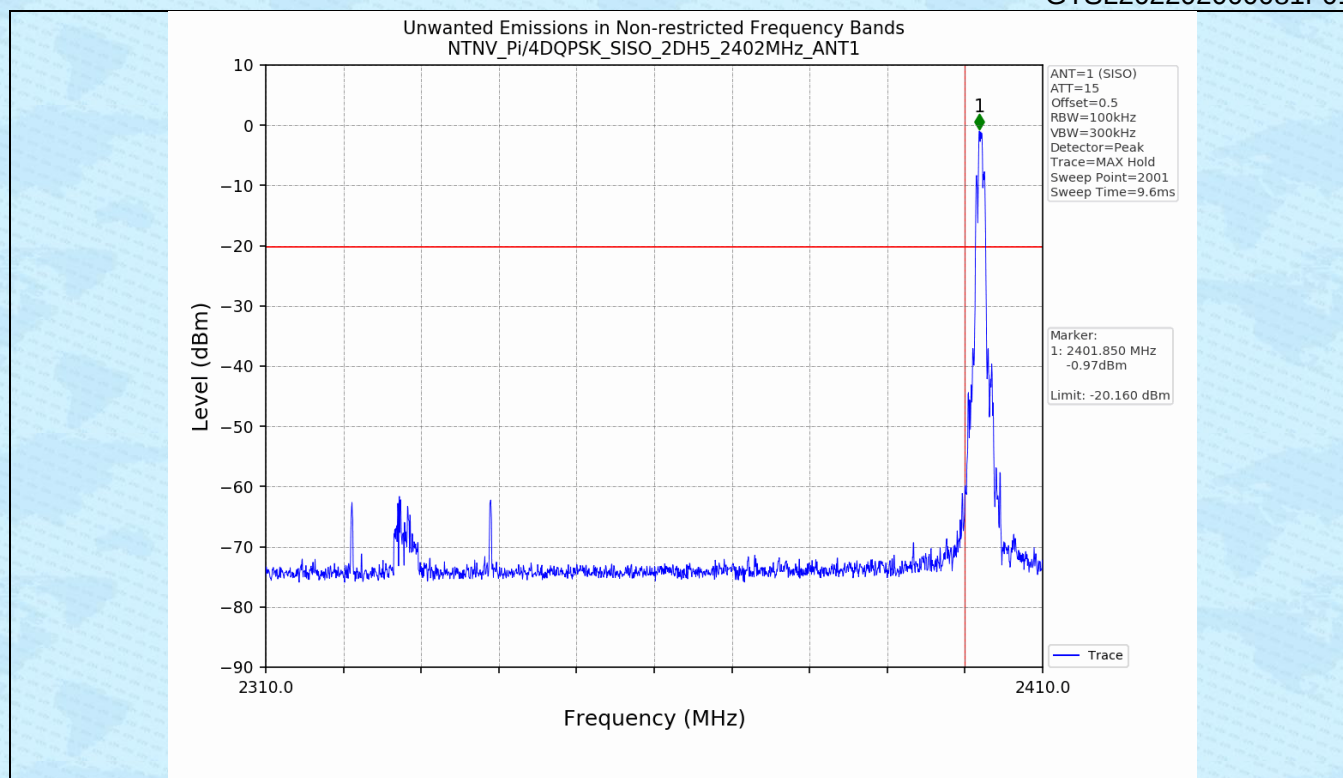


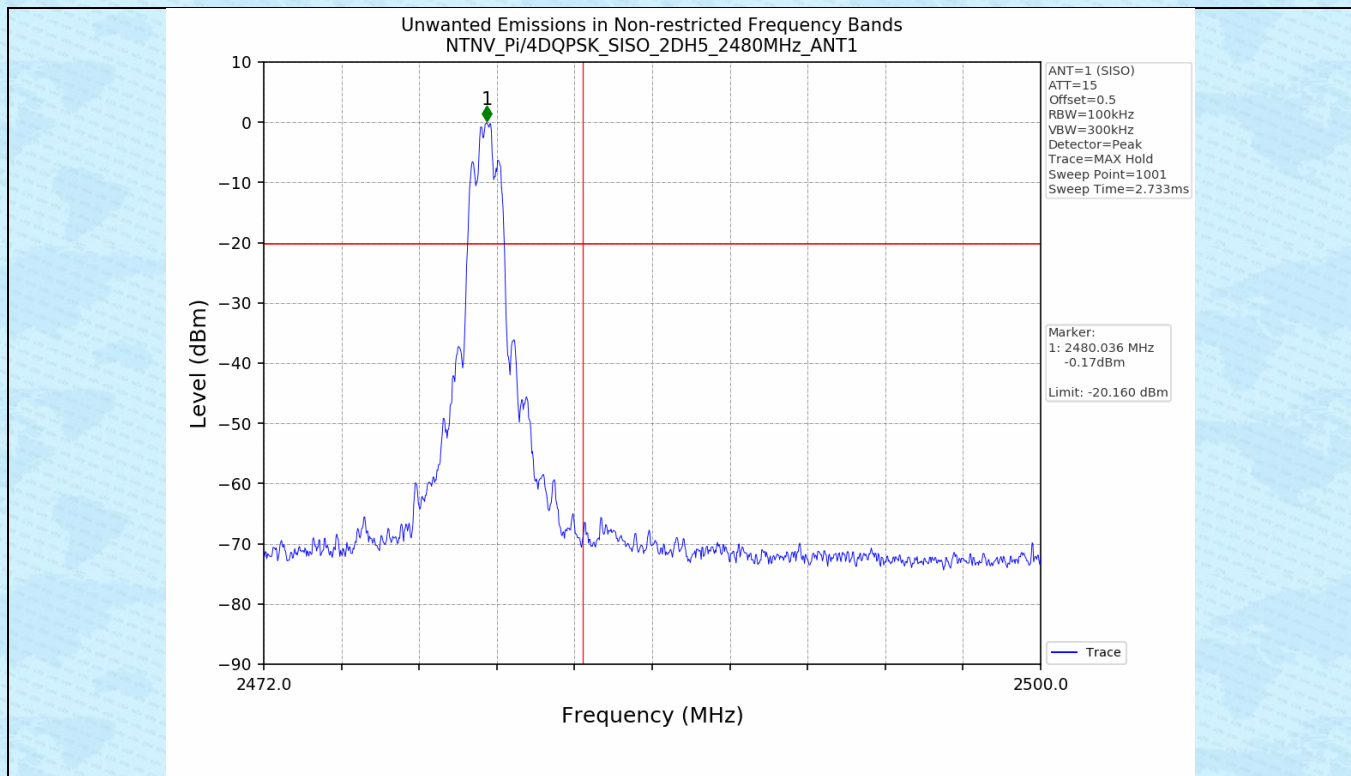
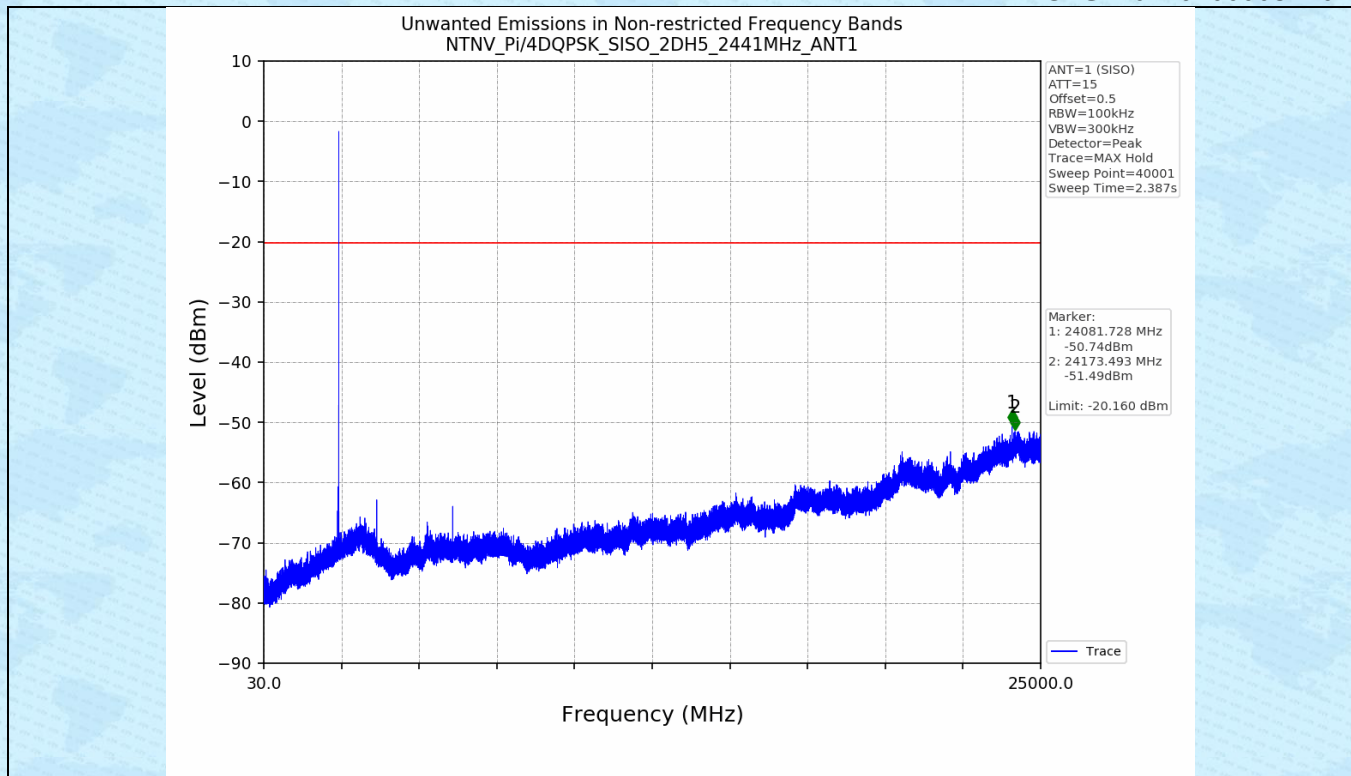


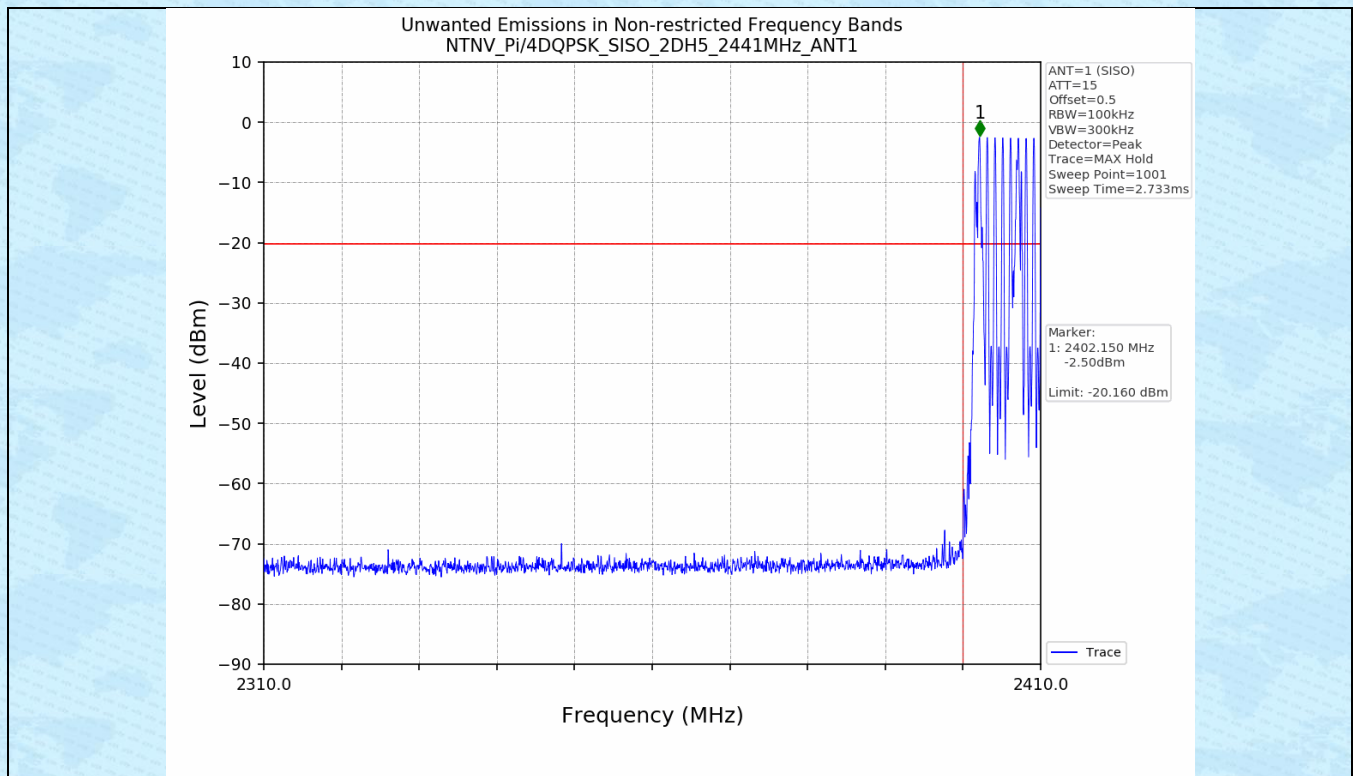
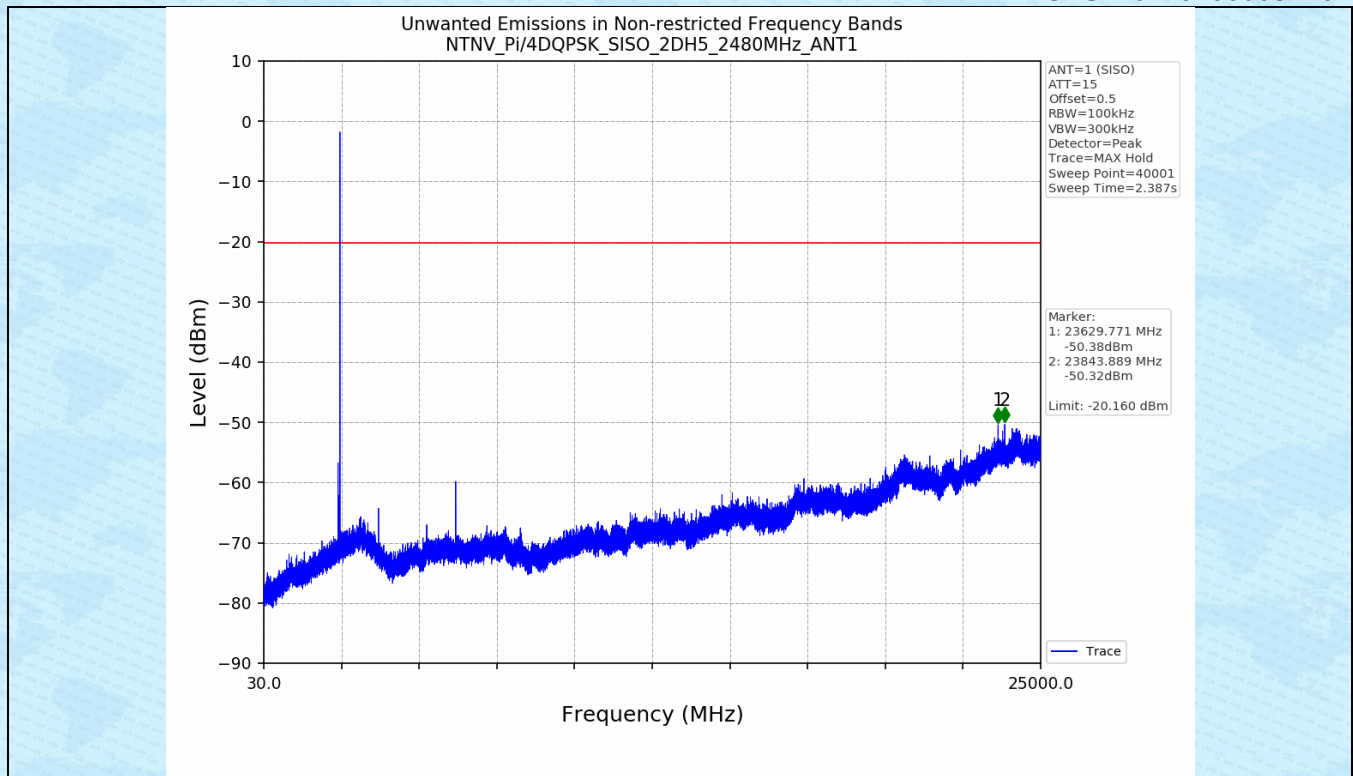


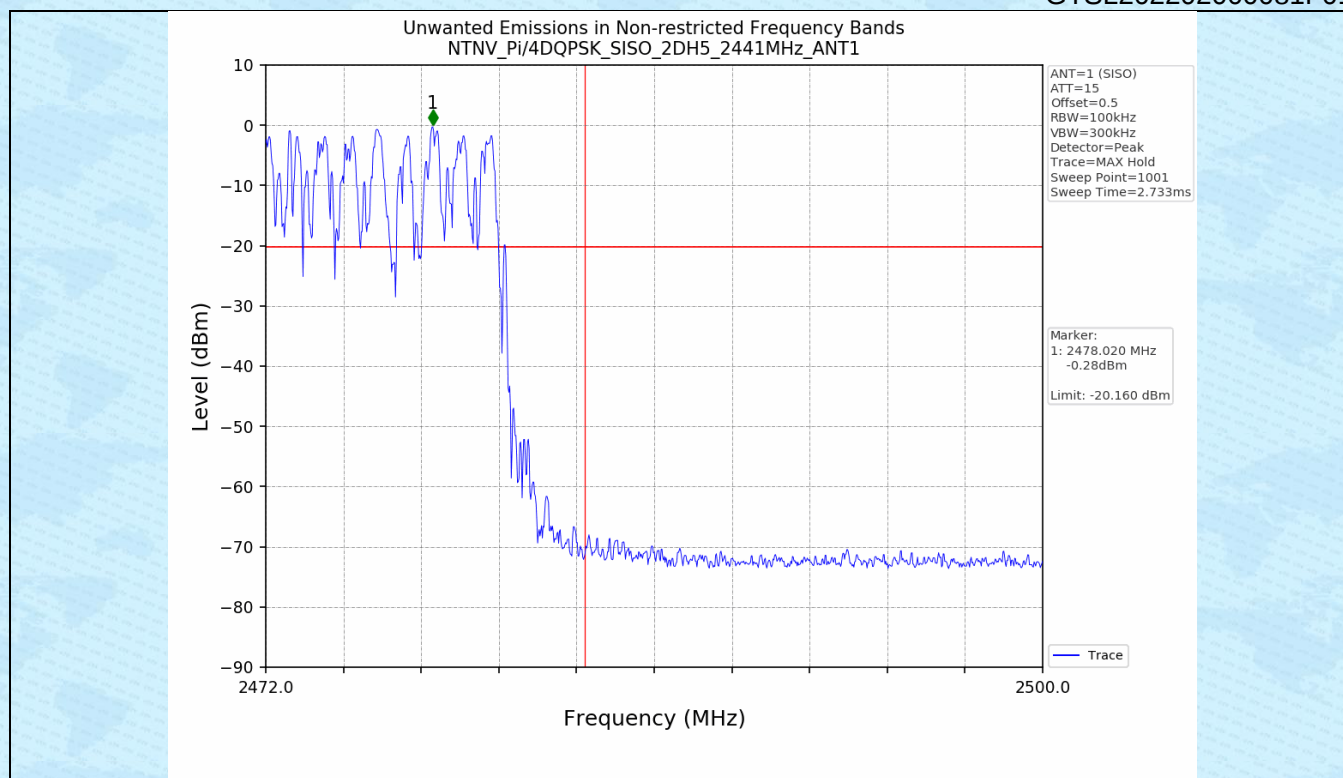










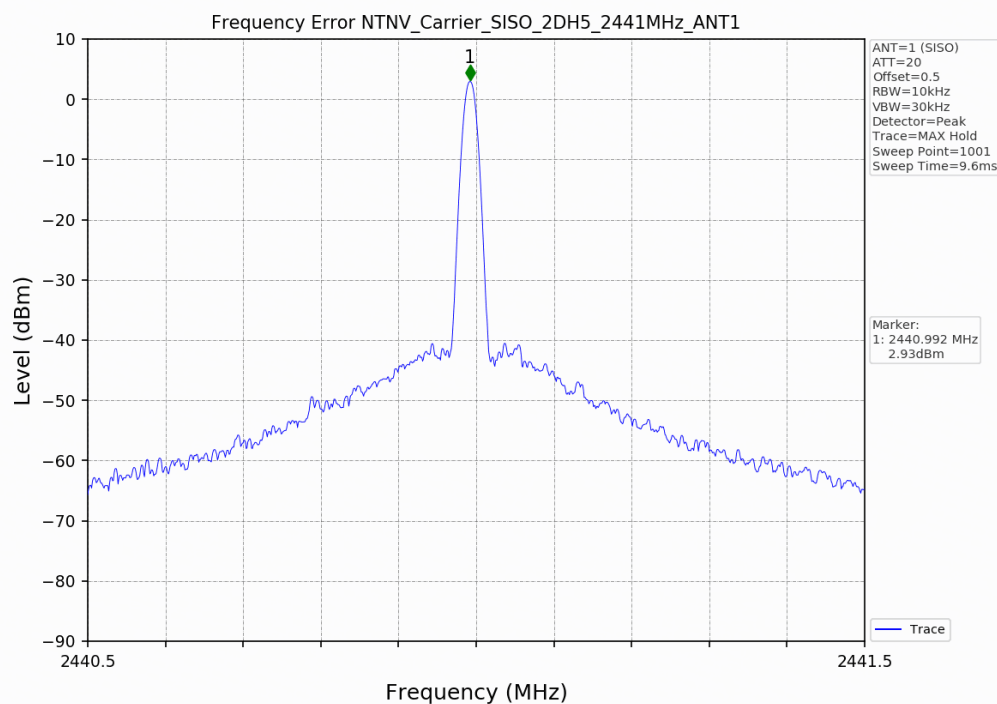
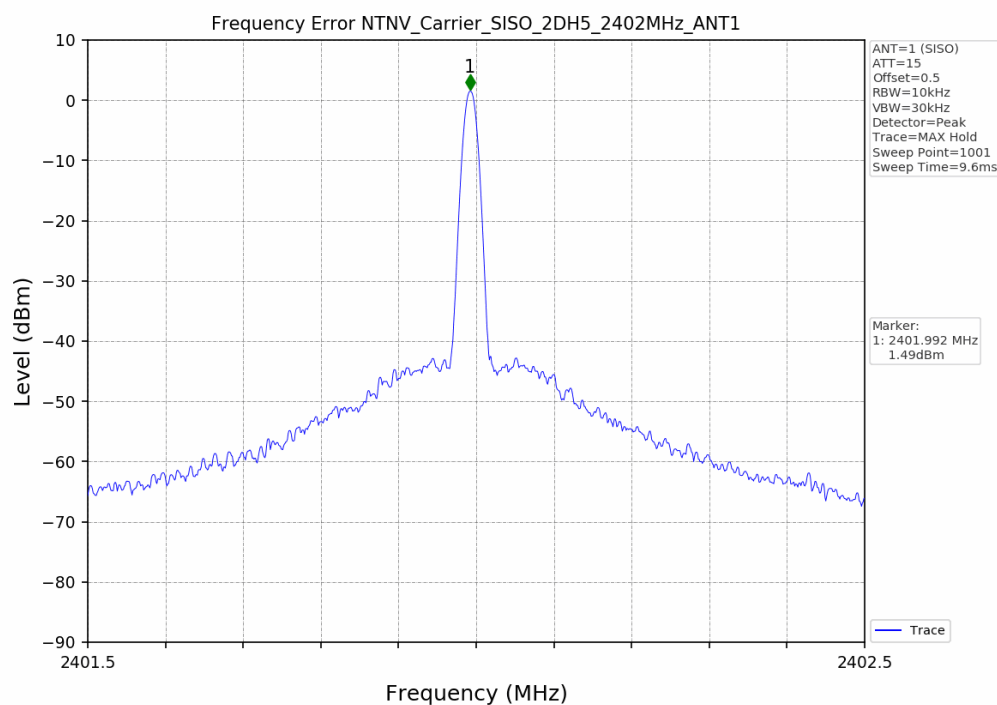


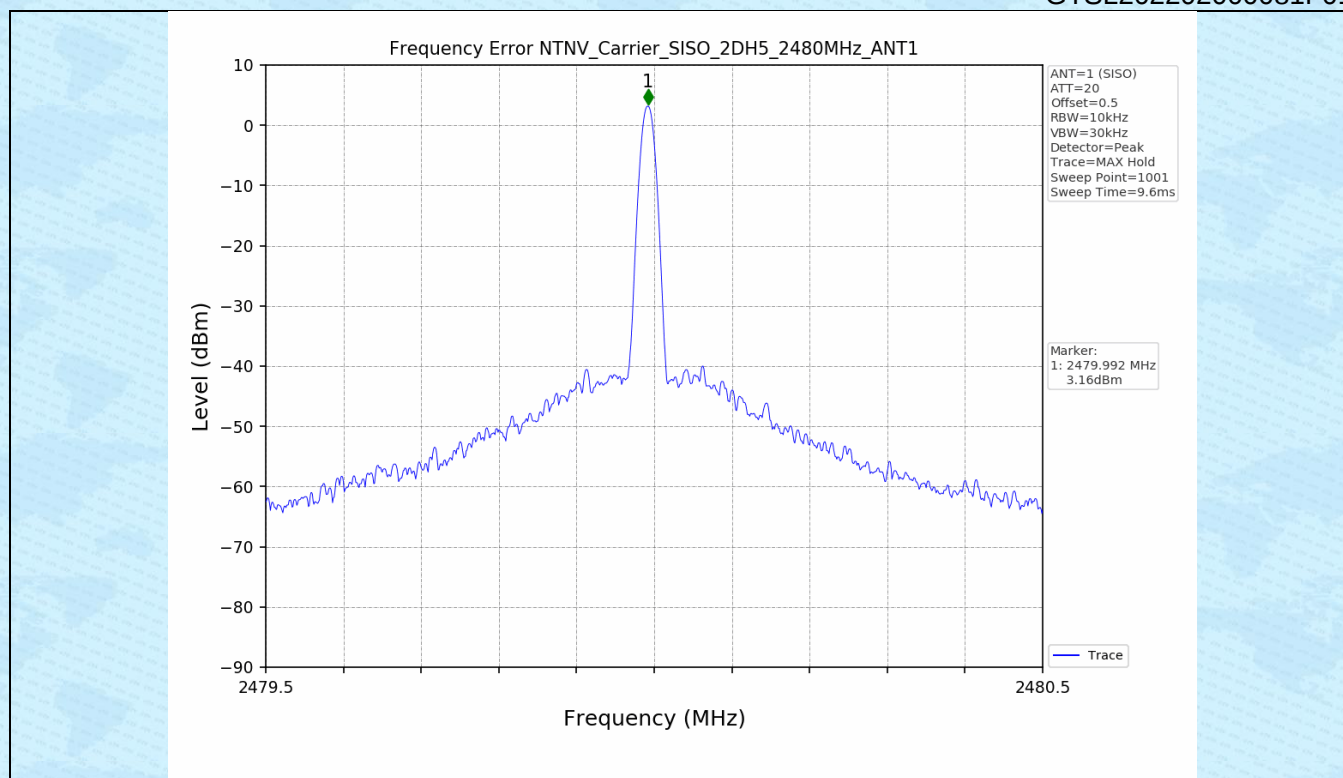
7. Frequency Error

7.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT	Measured Frequency (MHz)		Verdict
				Test Result	Limit	
Carrier	2402	SISO	1	2401.99	2400-2483.5	PASS
	2441	SISO	1	2440.99	2400-2483.5	PASS
	2480	SISO	1	2479.99	2400-2483.5	PASS

7.2 Test Graph





-----End-----