

Appendix for 15.247

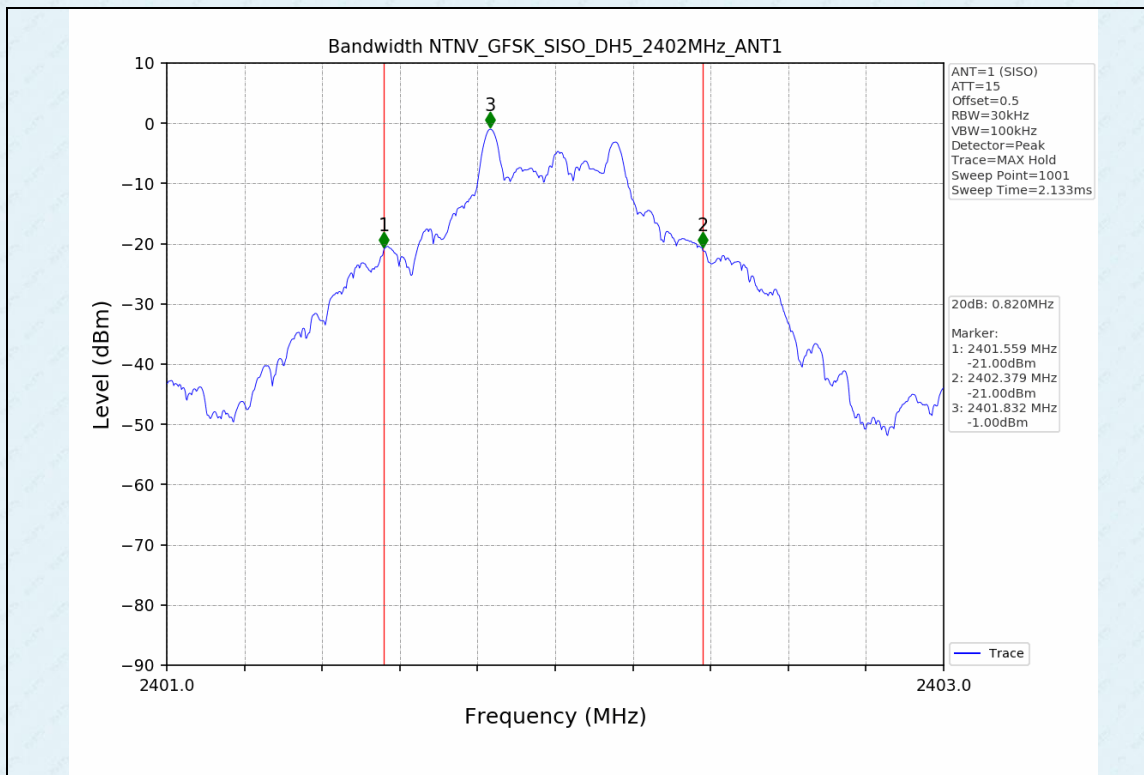
1. Bandwidth

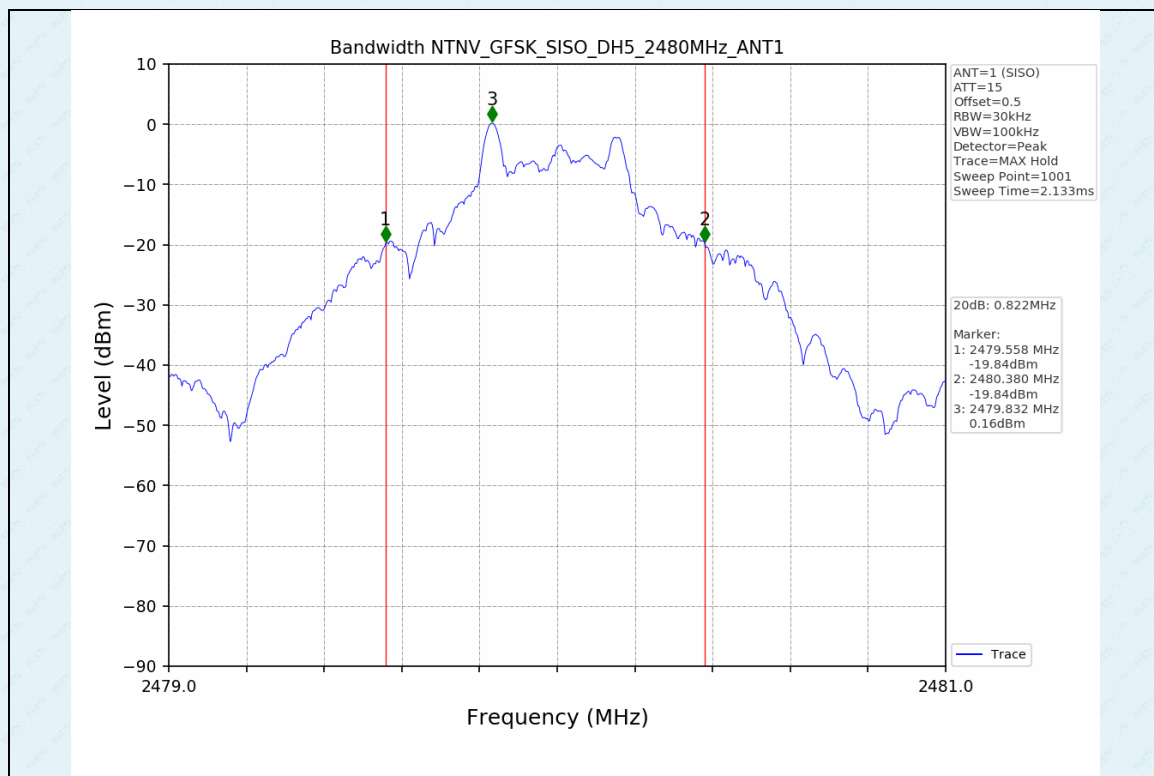
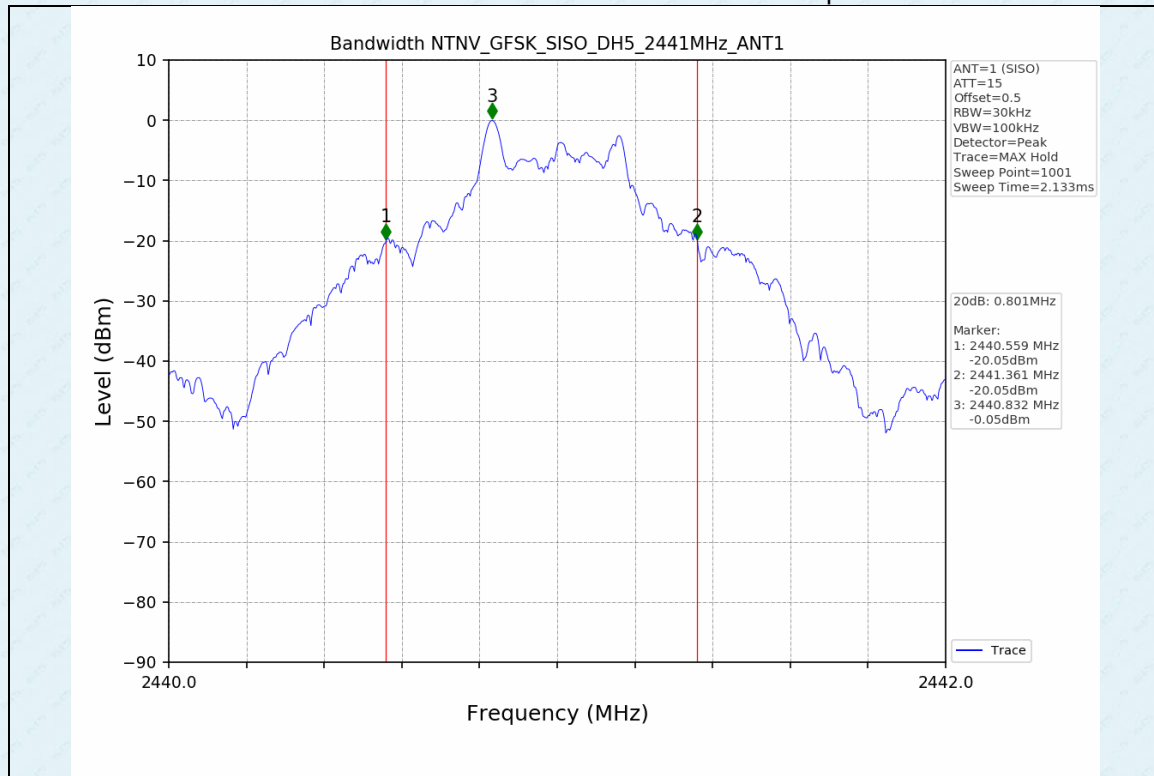
1.1 Test Result

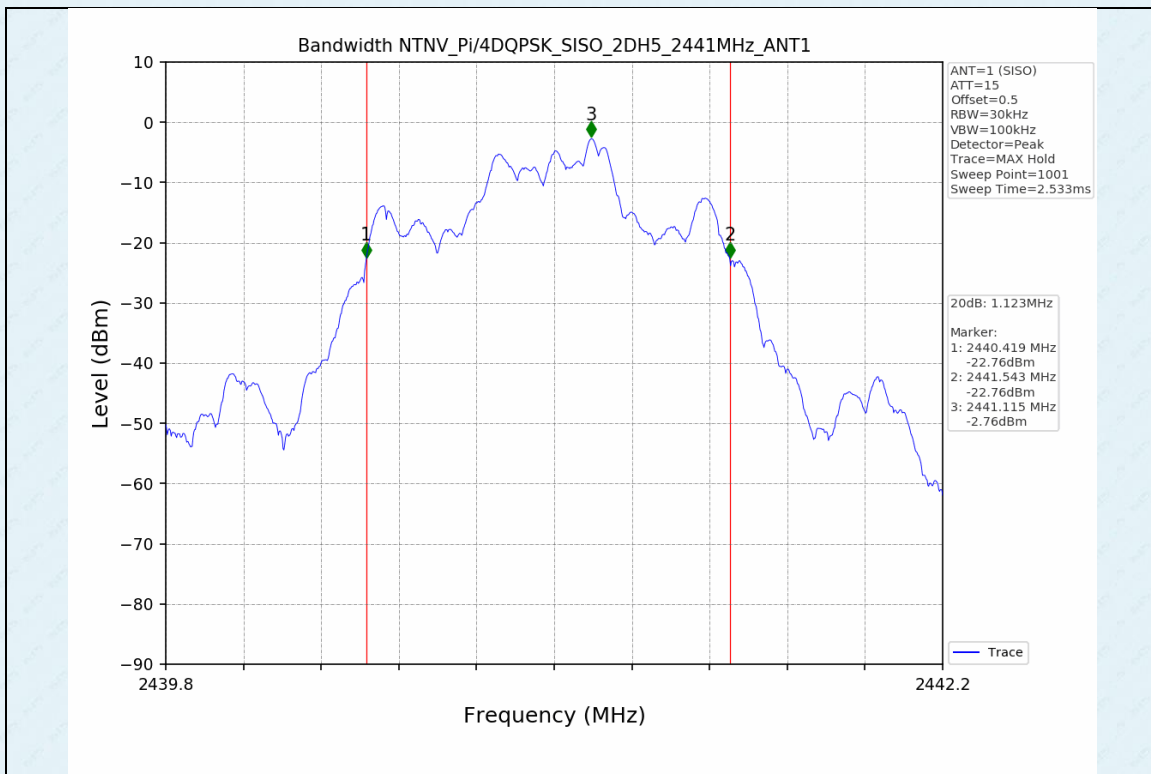
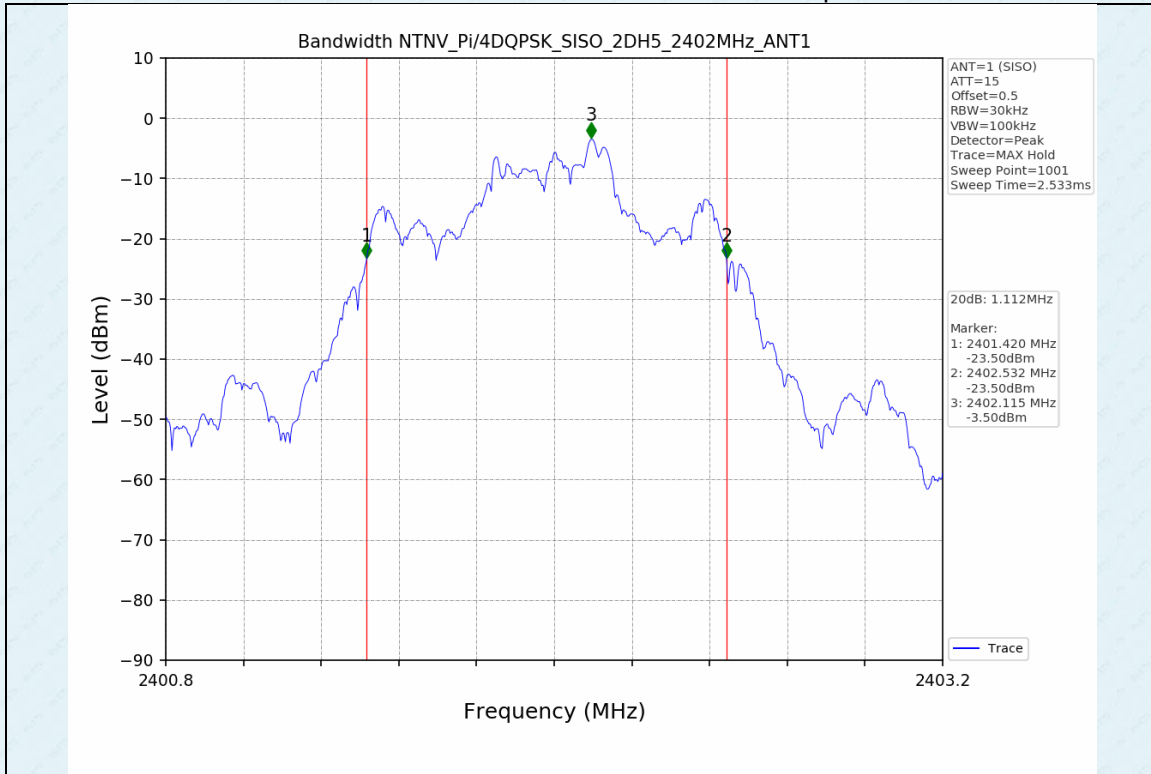
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.820	PASS
	2441	SISO	1	0.801	PASS
	2480	SISO	1	0.822	PASS
Pi/4DQPSK	2402	SISO	1	1.112	PASS
	2441	SISO	1	1.123	PASS
	2480	SISO	1	1.107	PASS

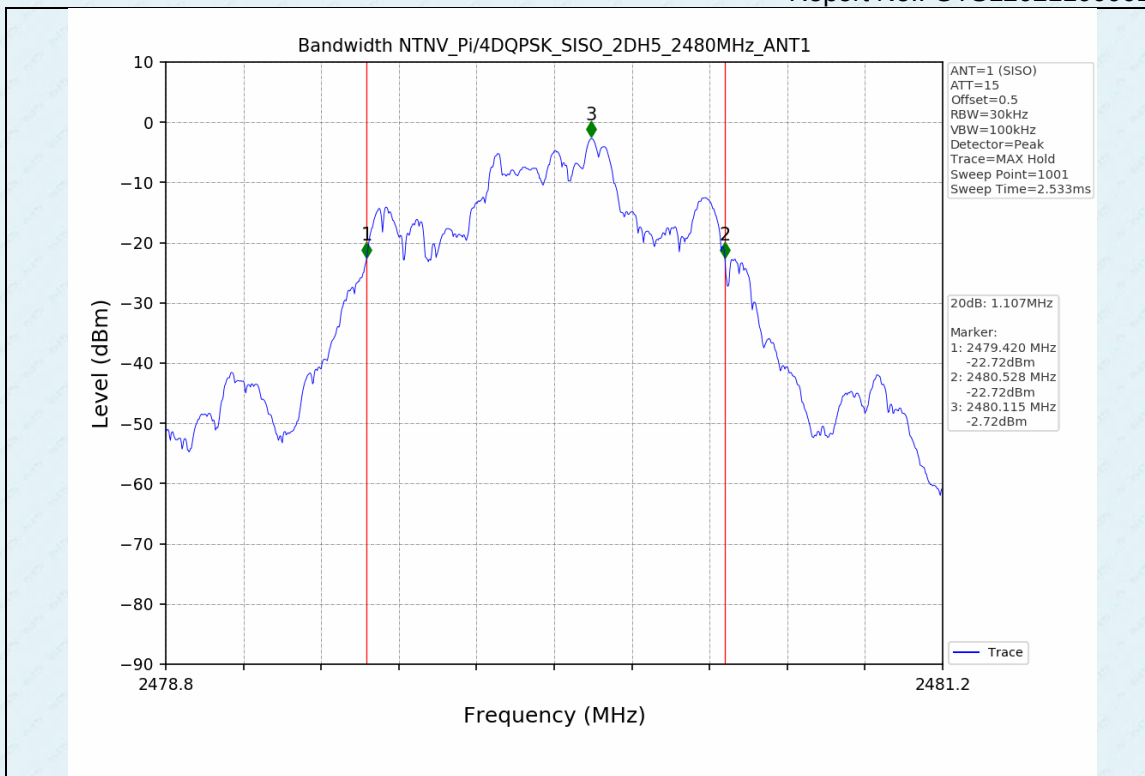
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.865	Only for Report Use
	2441	SISO	1	0.859	Only for Report Use
	2480	SISO	1	0.877	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.066	Only for Report Use
	2441	SISO	1	1.075	Only for Report Use
	2480	SISO	1	1.071	Only for Report Use

1.2 Test Graph - 20dB Bandwidth

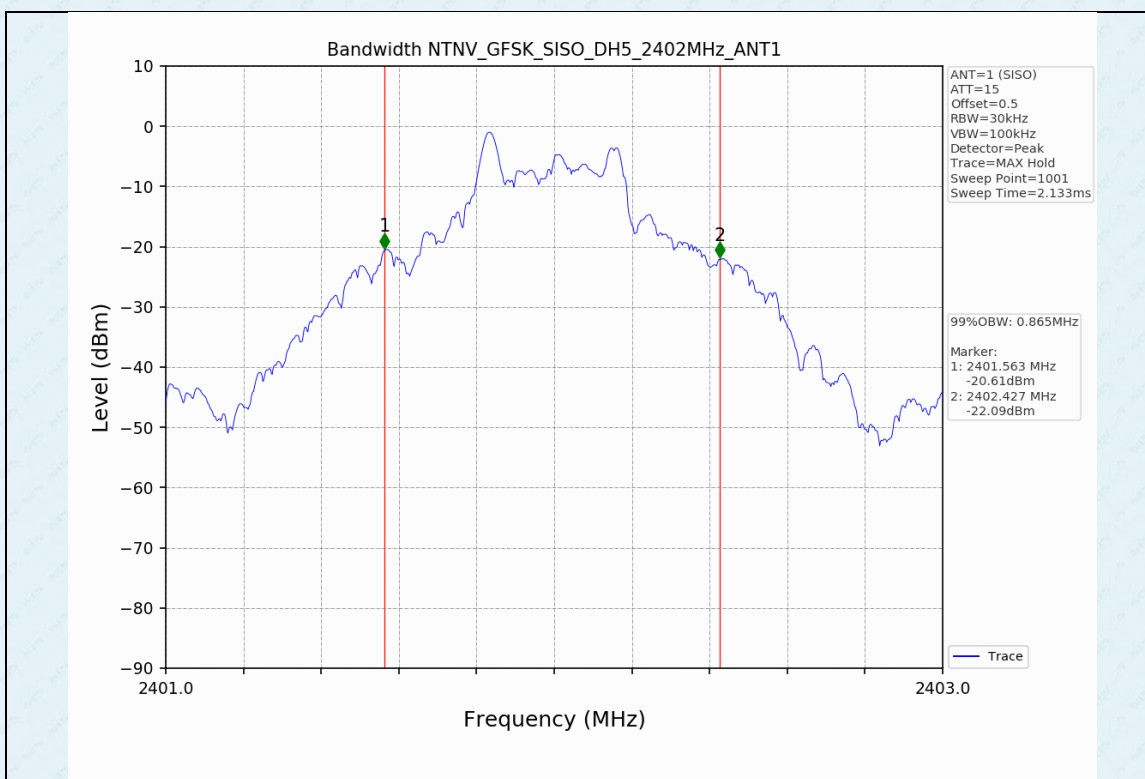


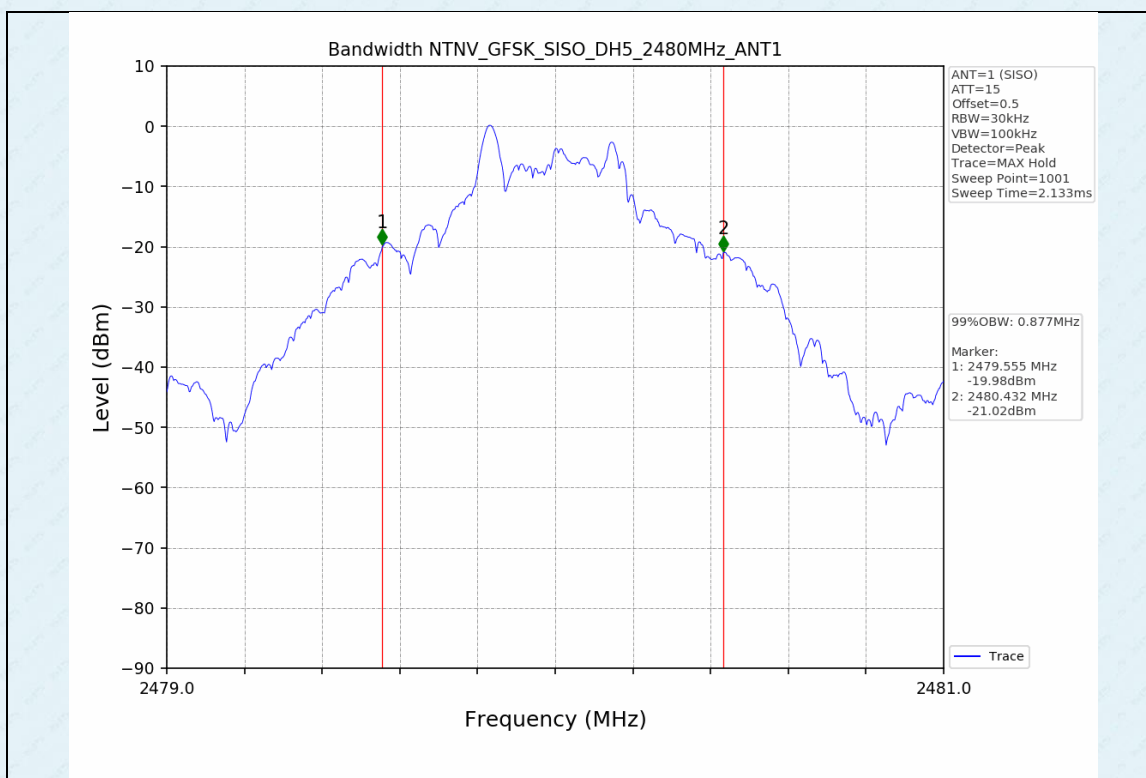
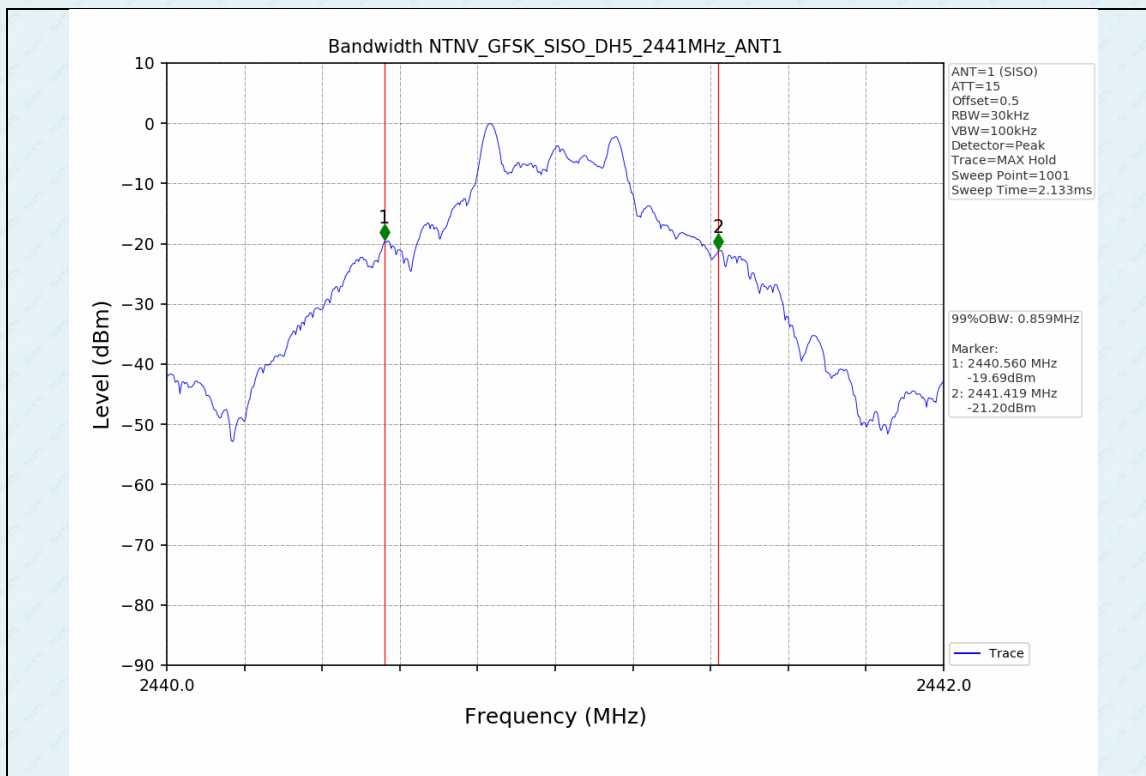


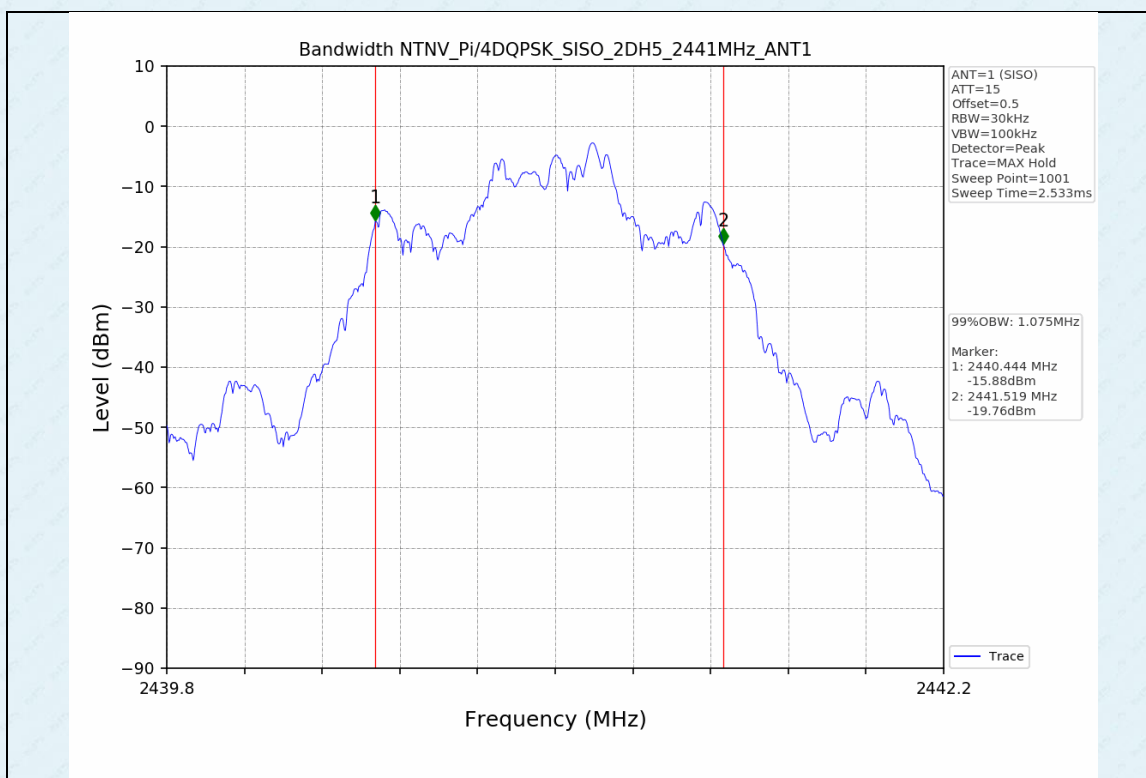
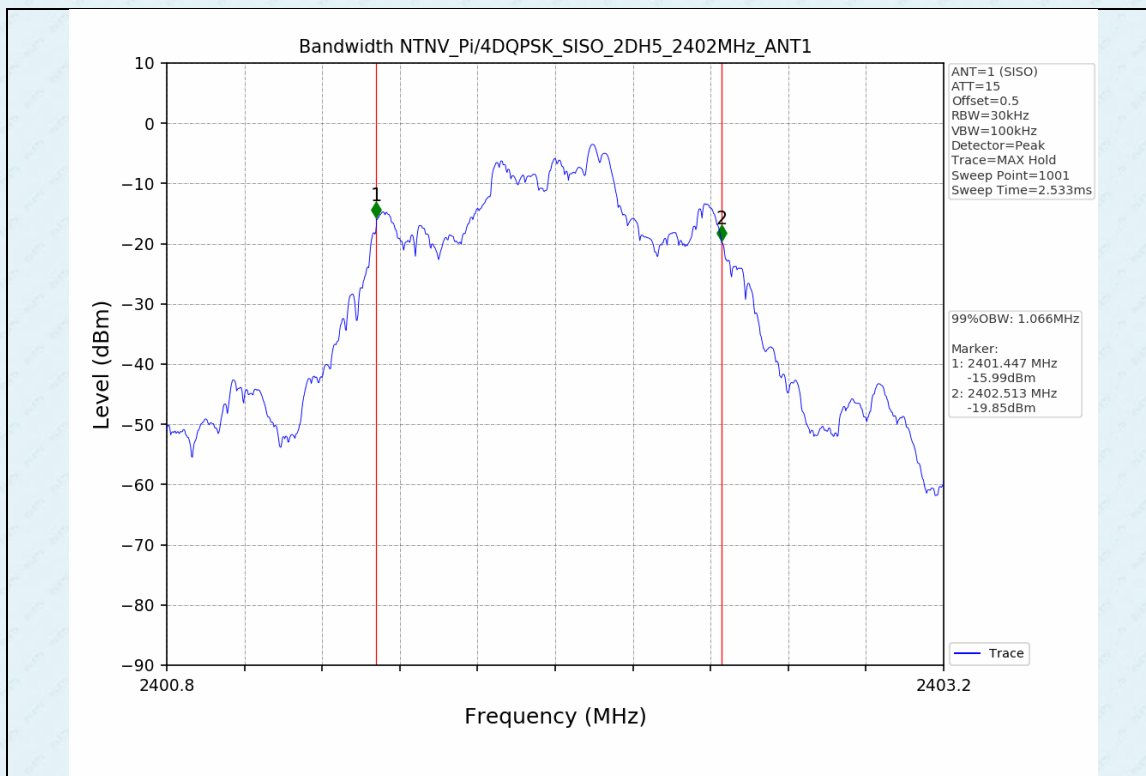


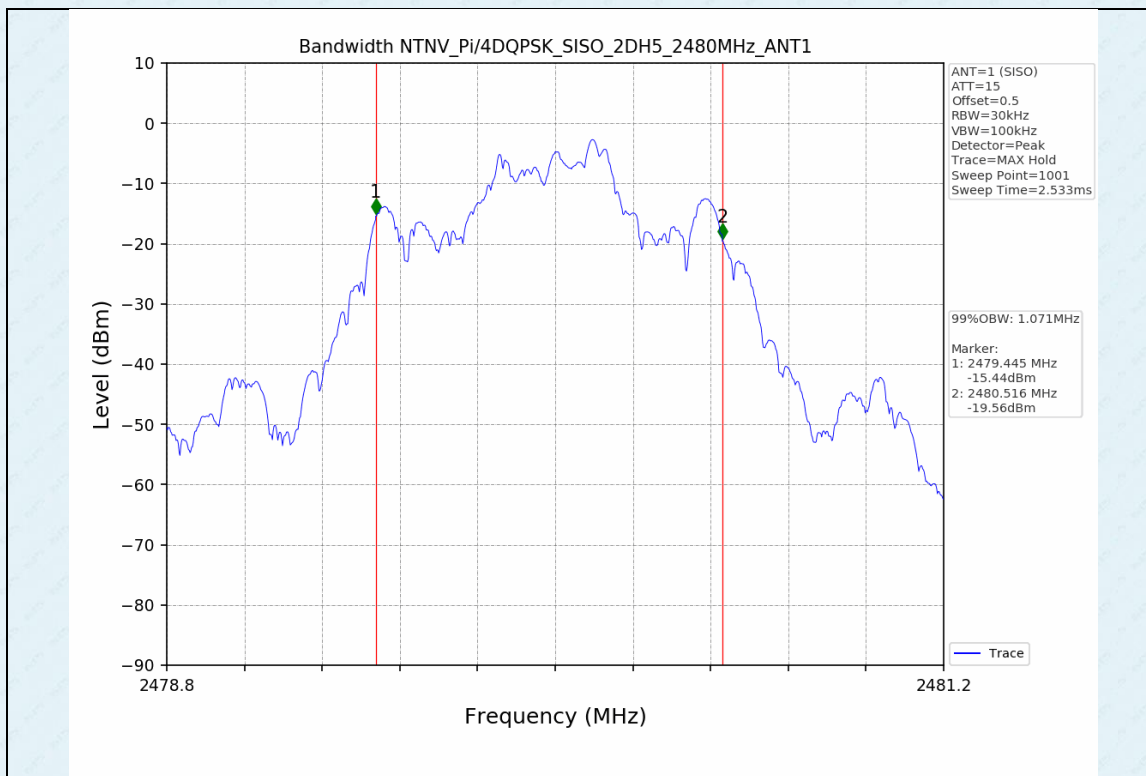


1.3 Test Graph - 99% Occupied Bandwidth









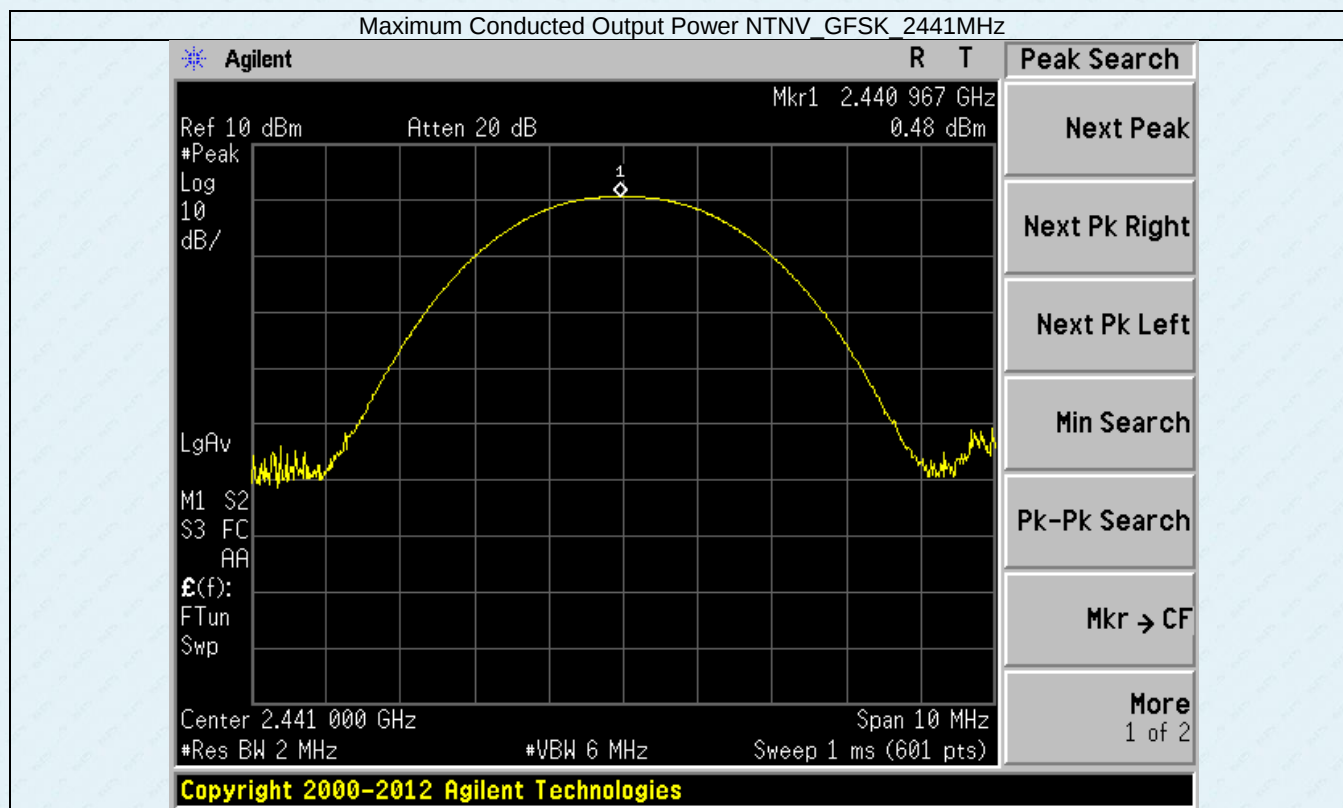
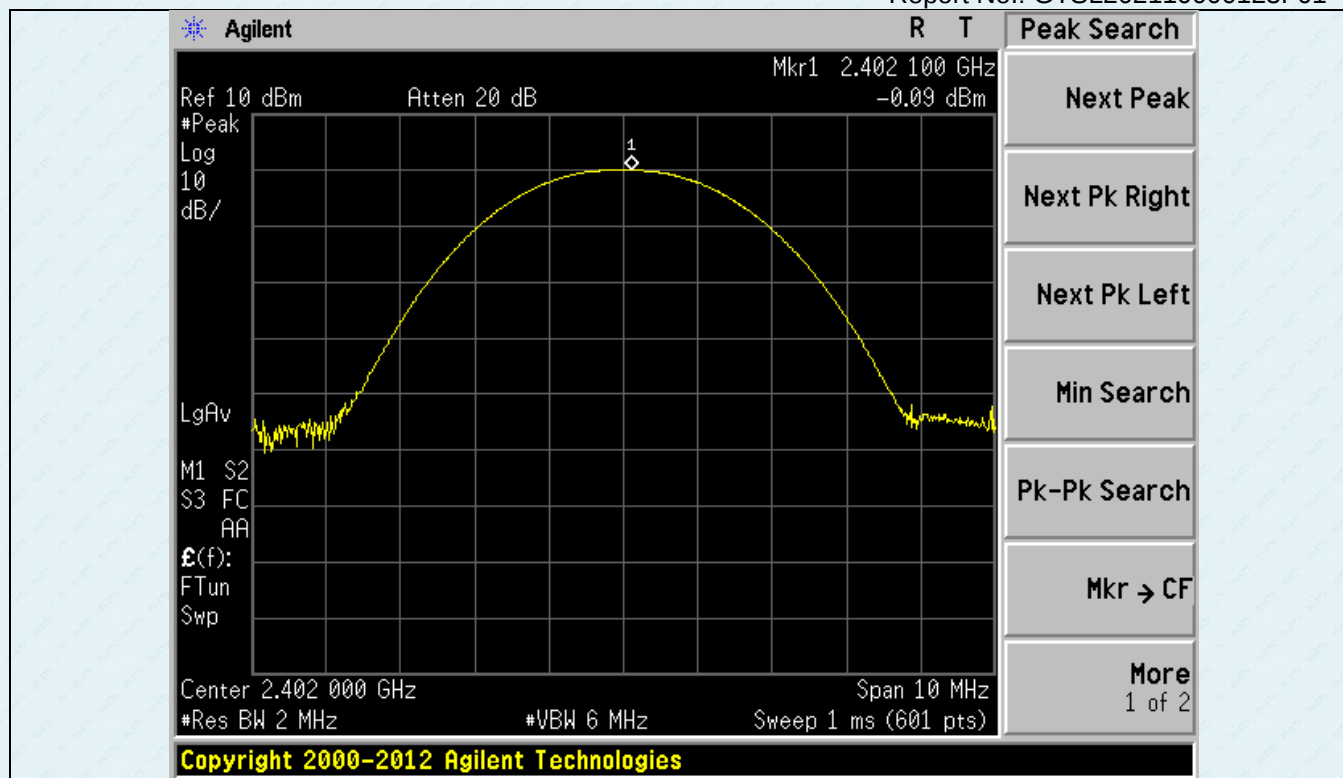
2. Maximum Conducted Output Power

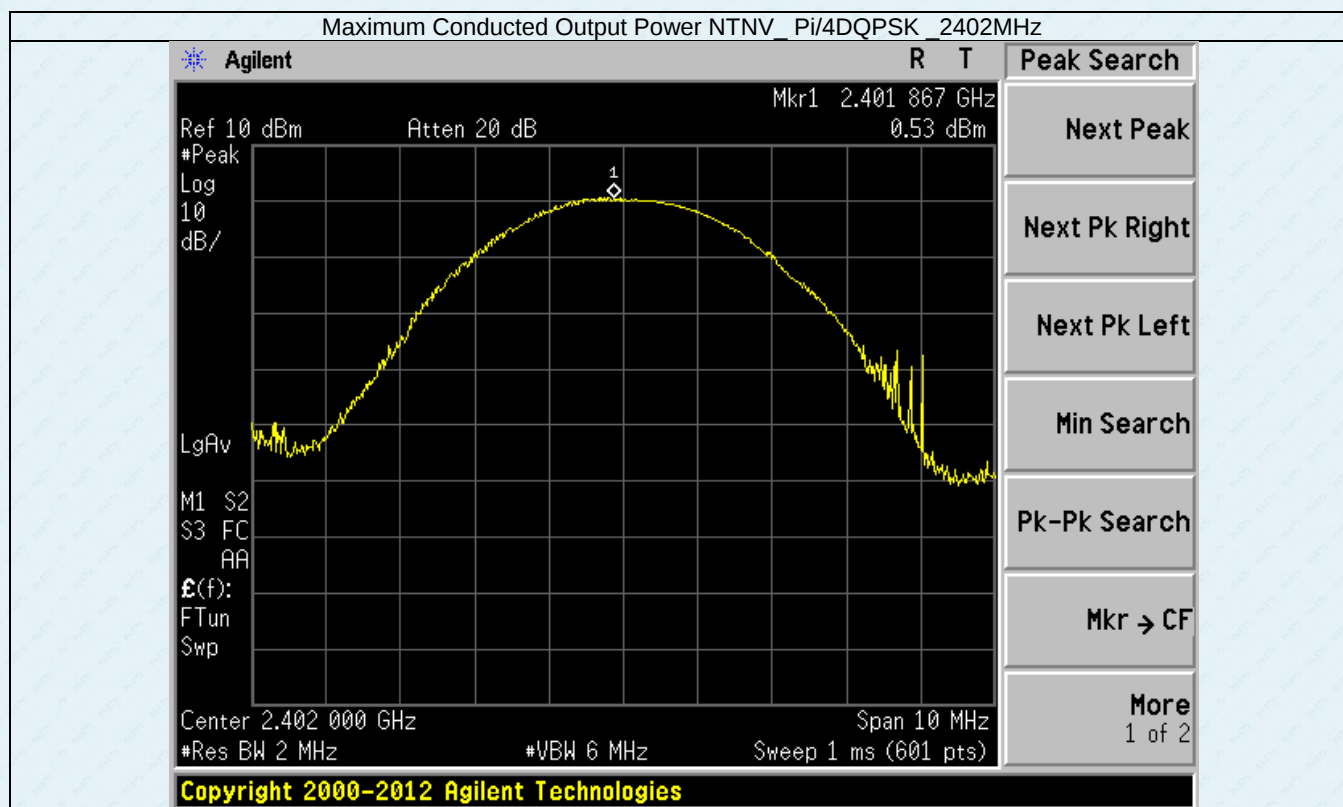
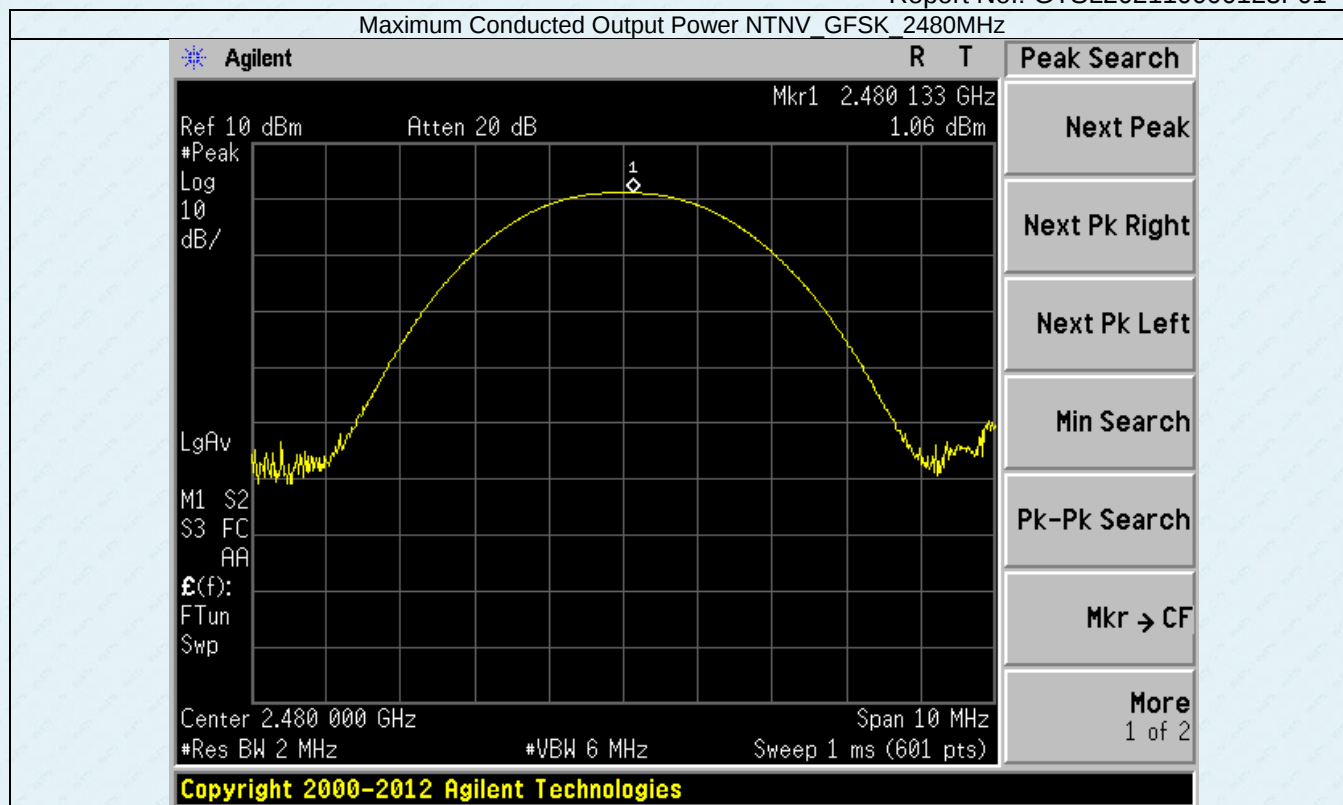
2.1 Test Result

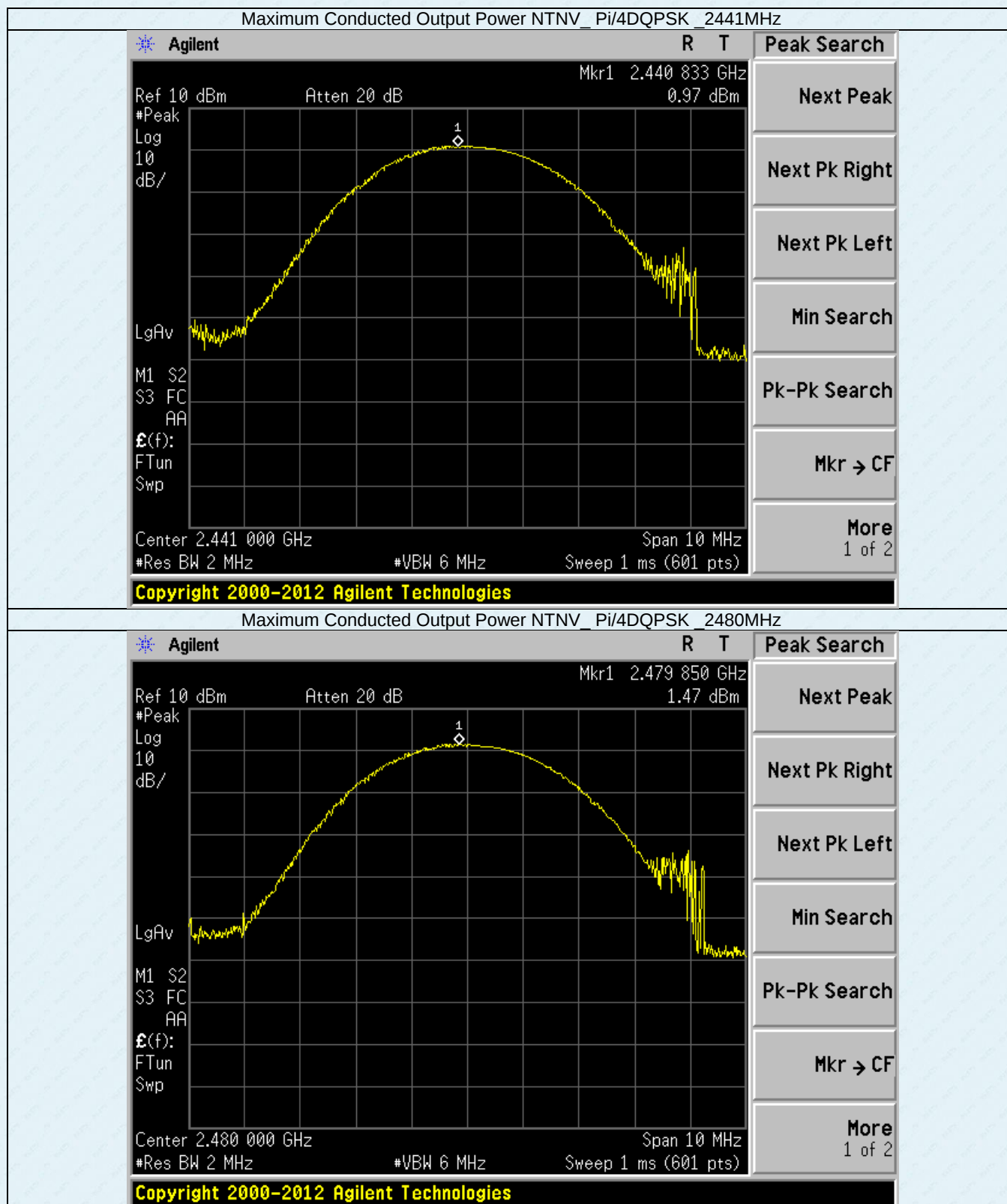
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-0.09	30	PASS
	2441	SISO	0.48	30	PASS
	2480	SISO	1.06	30	PASS
Pi/4DQPSK	2402	SISO	0.53	20.97	PASS
	2441	SISO	0.97	20.97	PASS
	2480	SISO	1.47	20.97	PASS

2.2 Test Graph

Maximum Conducted Output Power NTN_V_GFSK_2402MHz





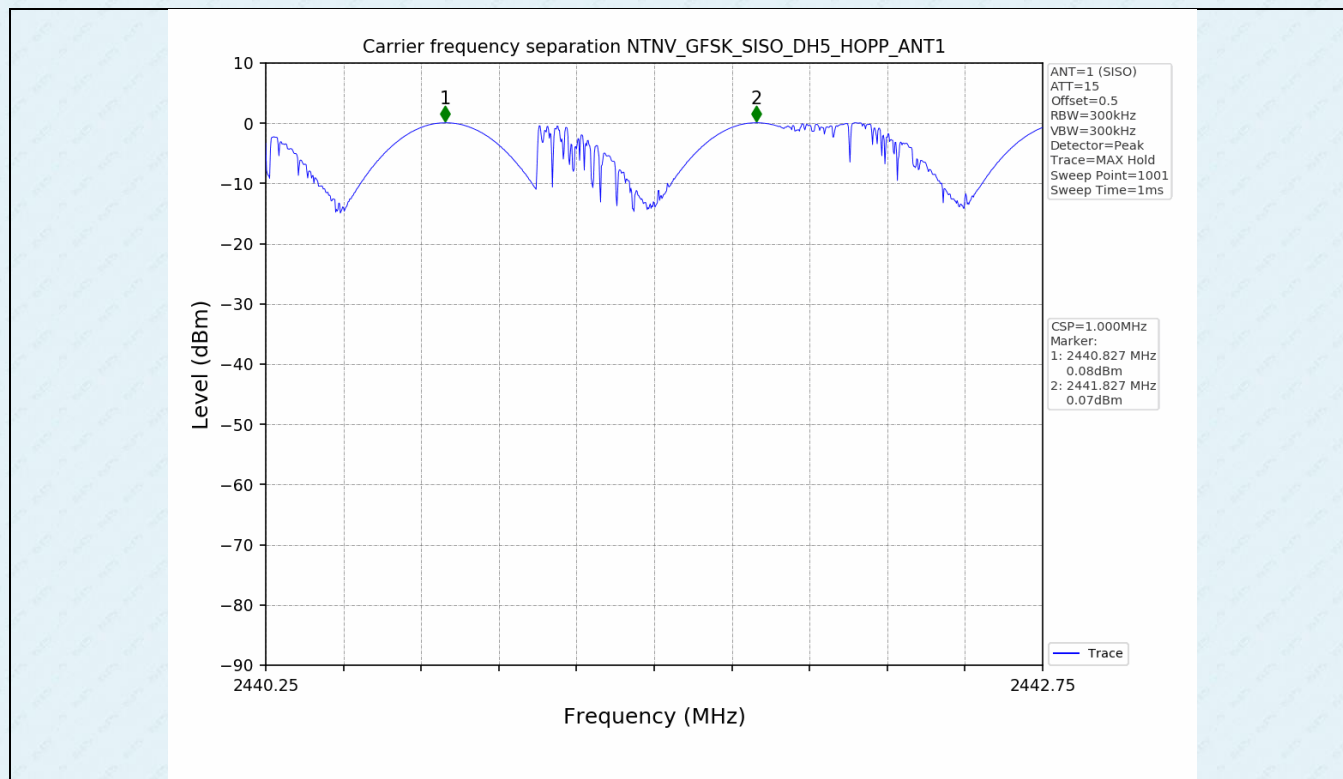


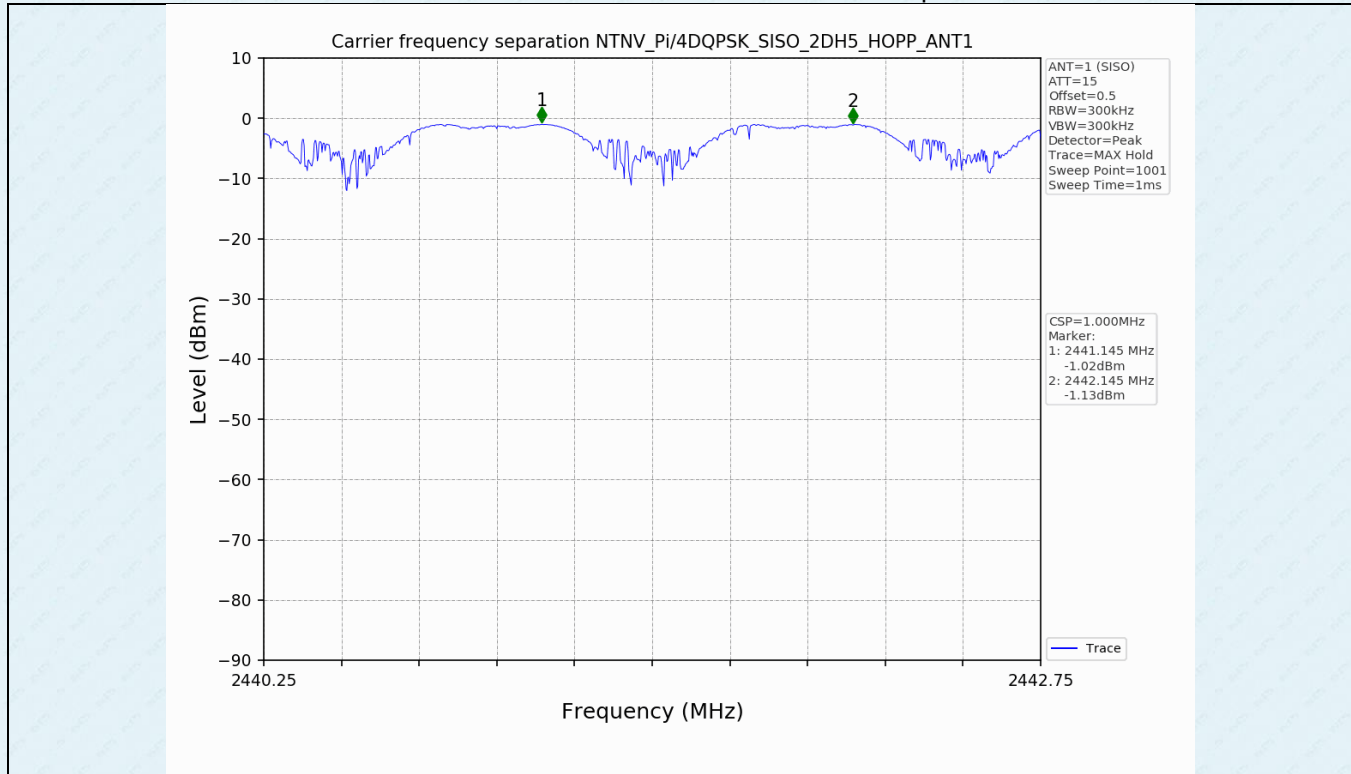
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	0.822	≥ 0.822	PASS
Pi/4DQPSK	SISO	1	1.000	1.123	≥ 0.749	PASS

3.2 Test Graph



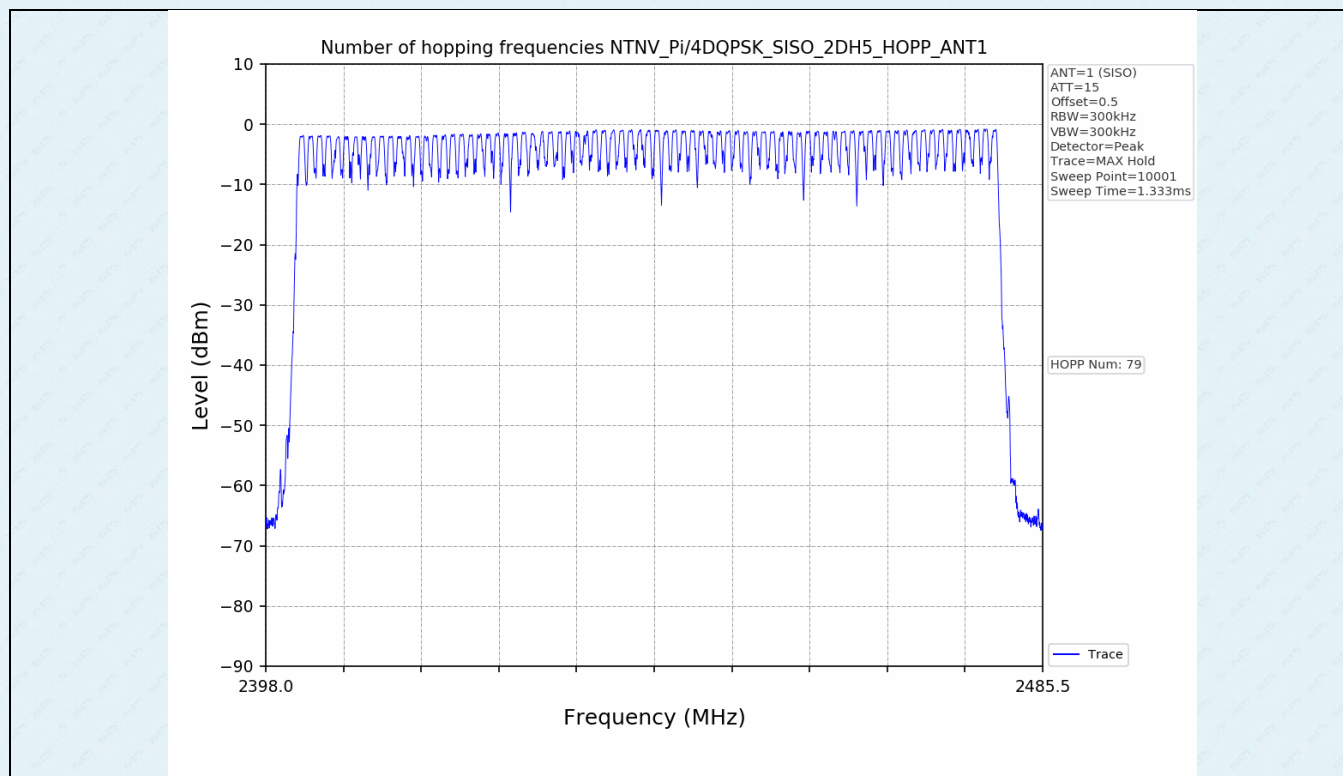
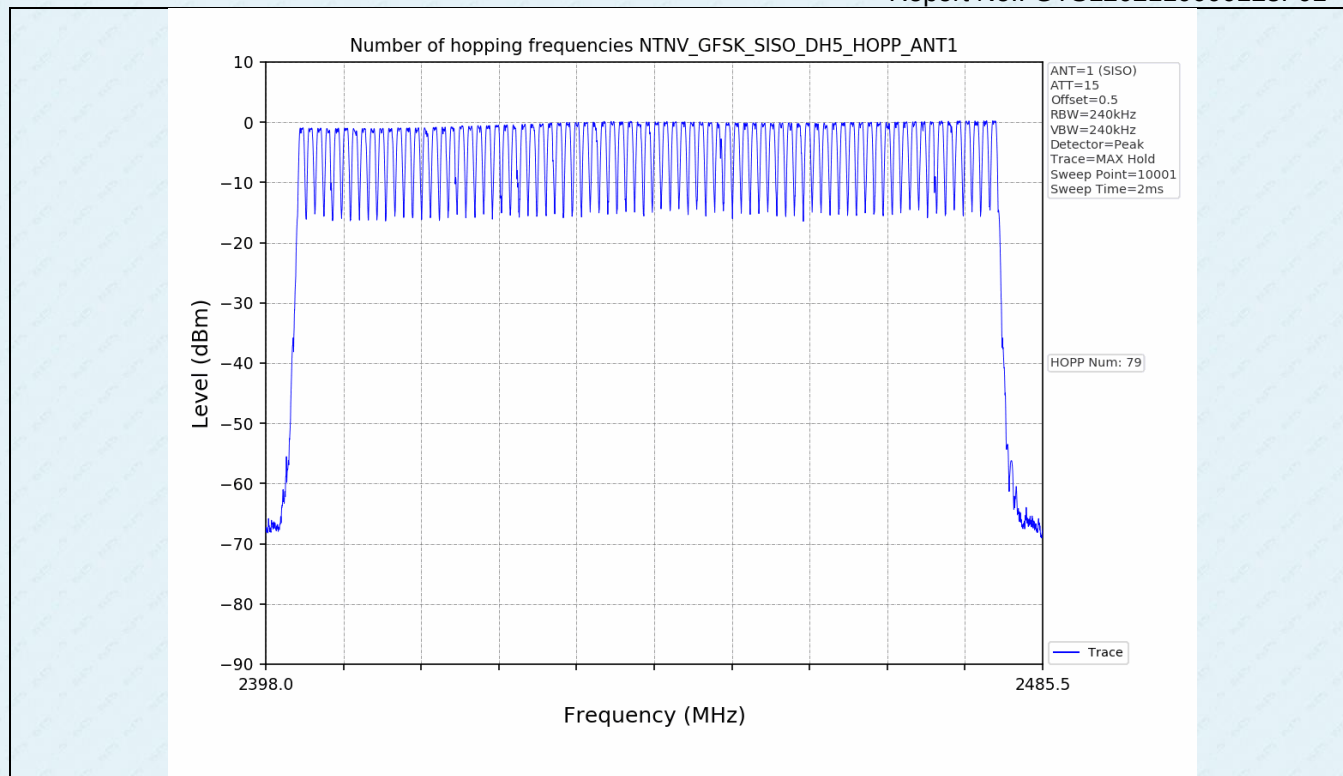


4. Number of hopping frequencies

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

4.2 Test Graph

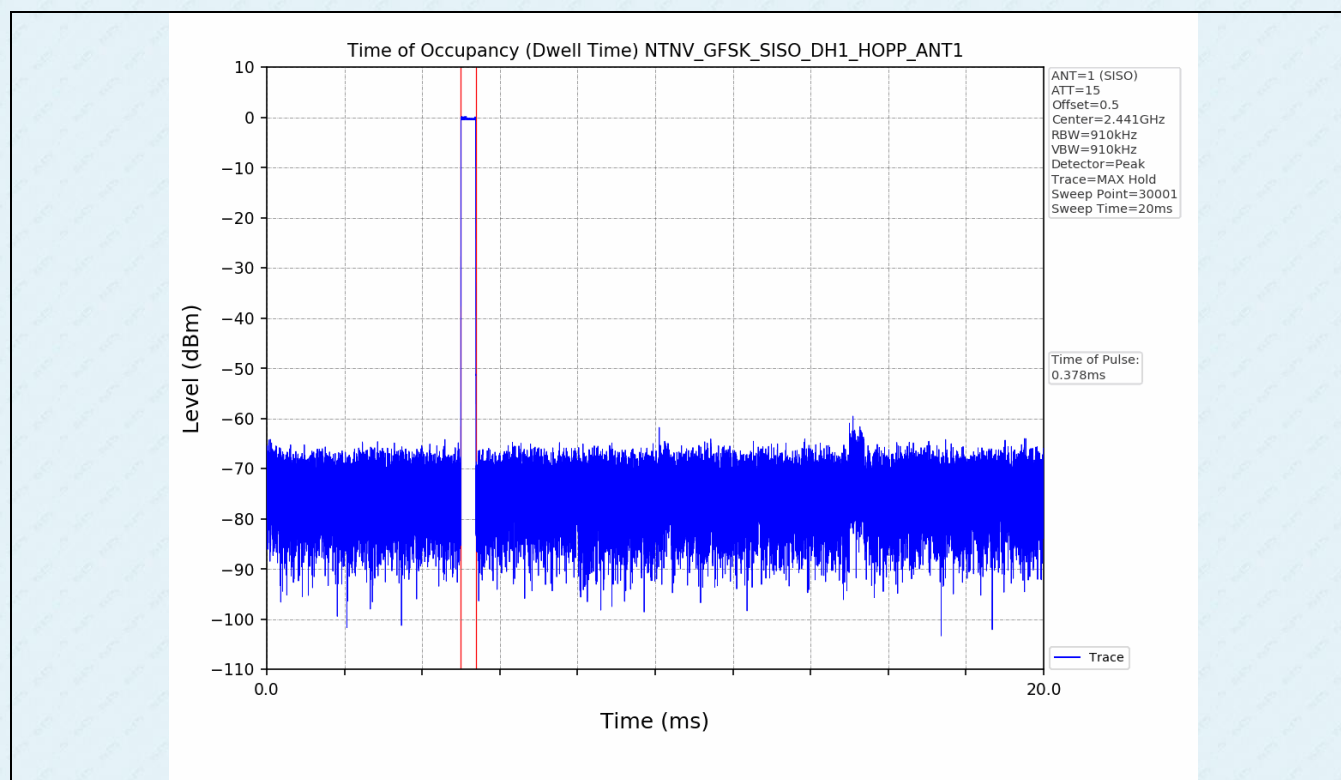


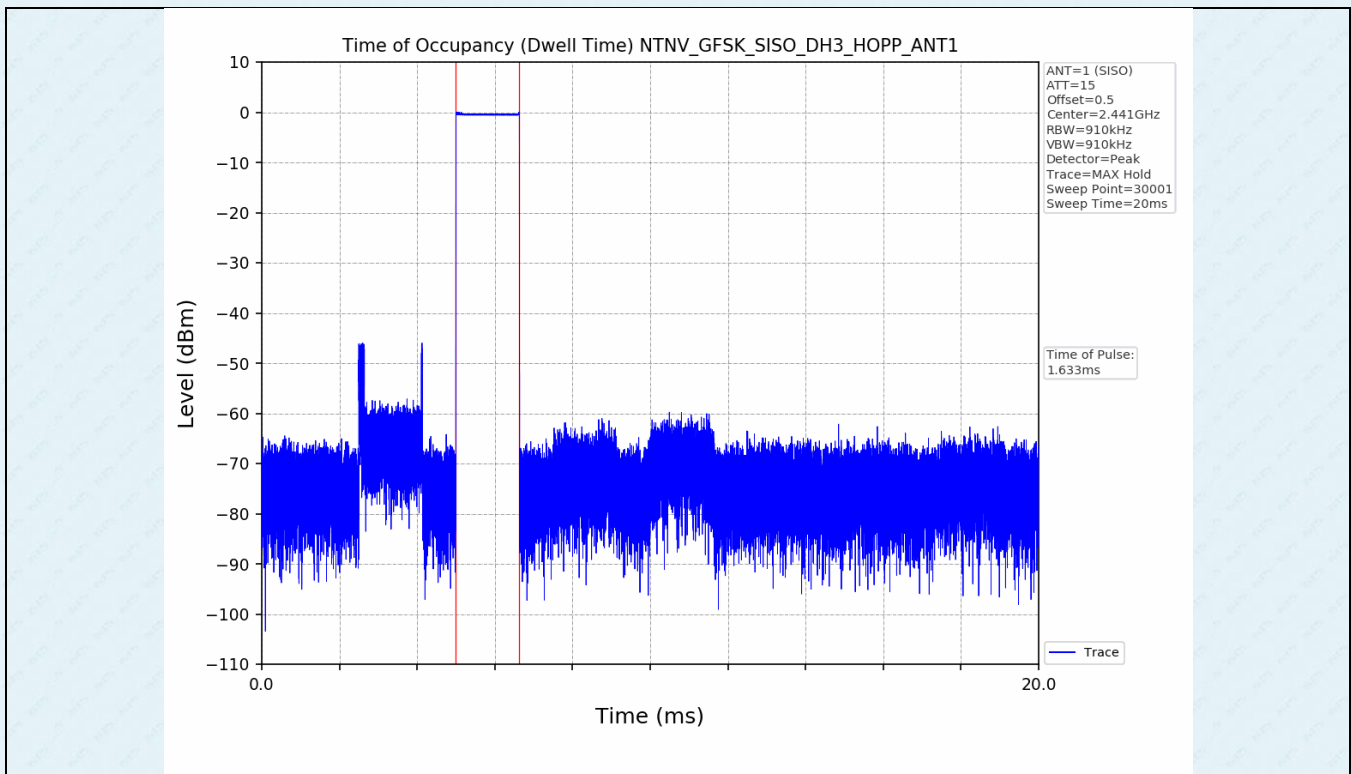
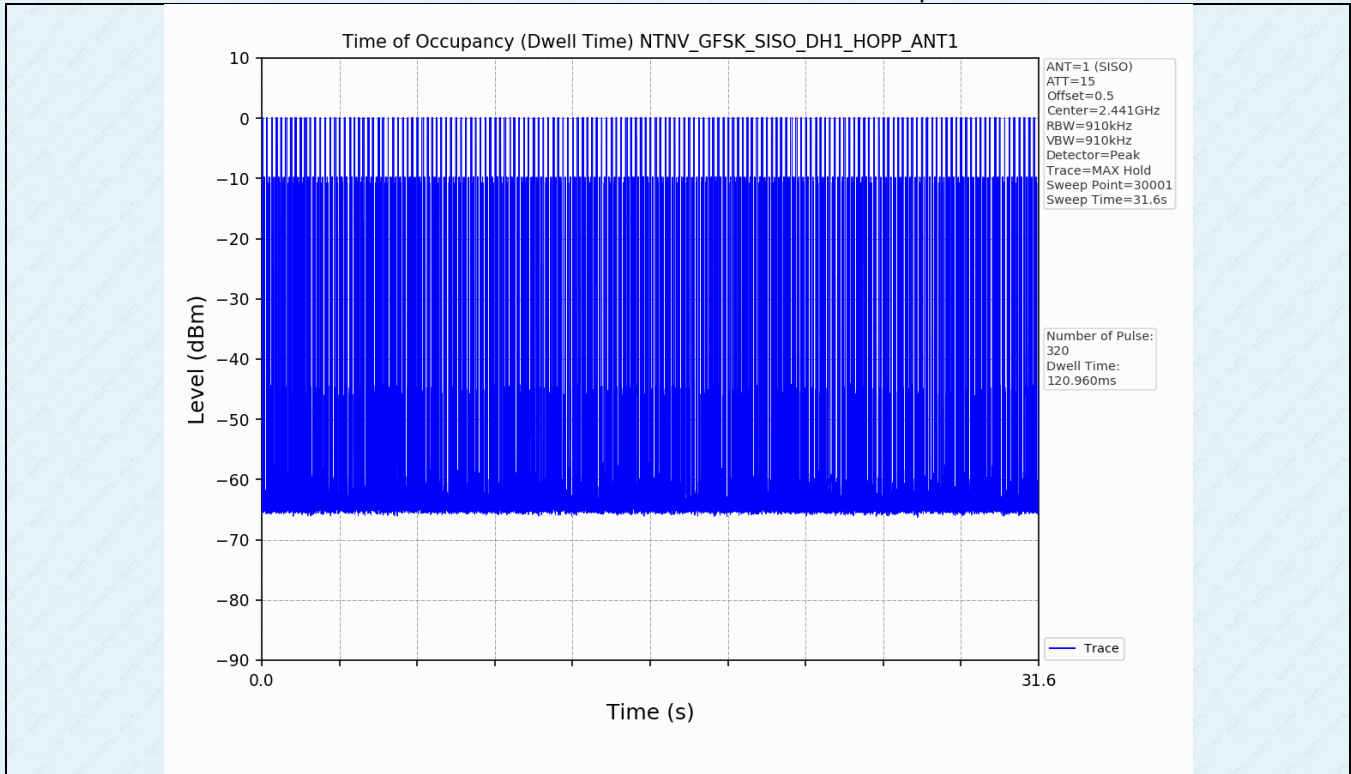
5. Time of Occupancy (Dwell Time)

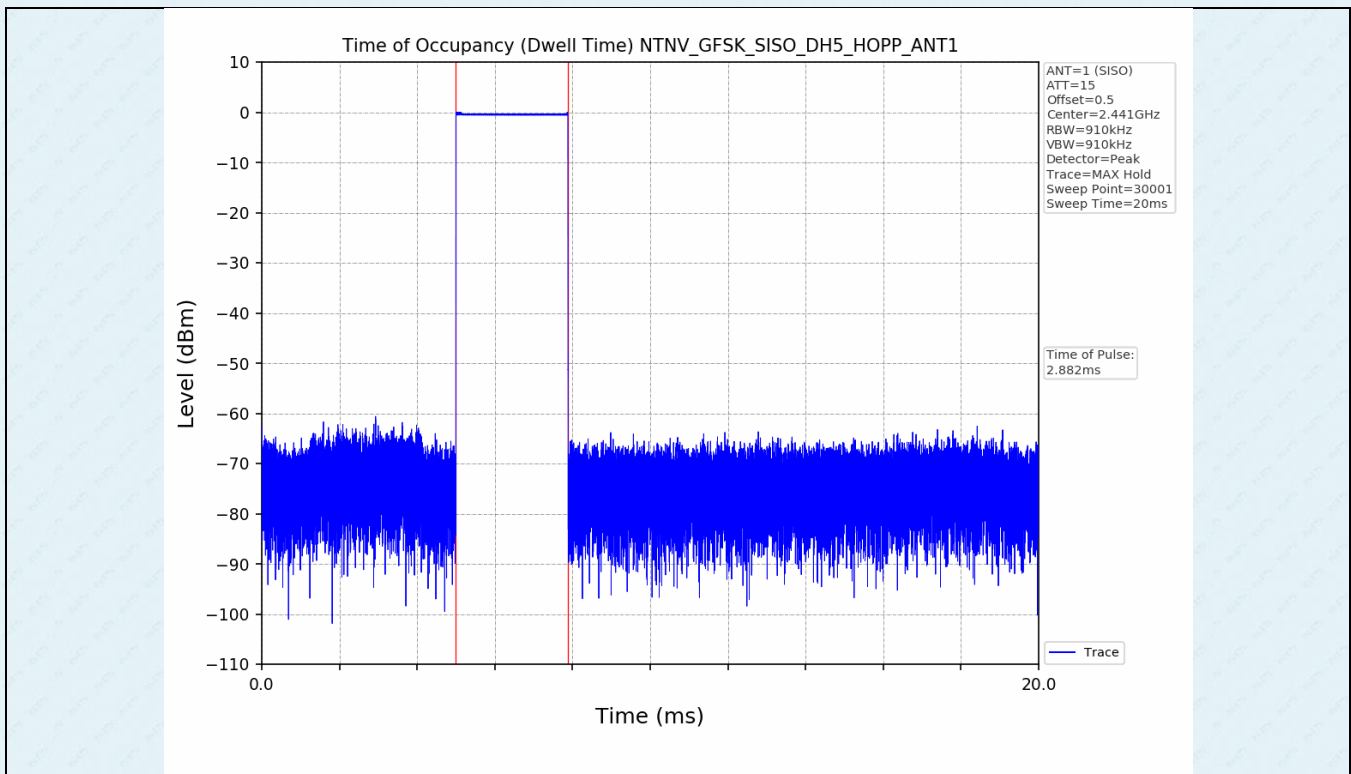
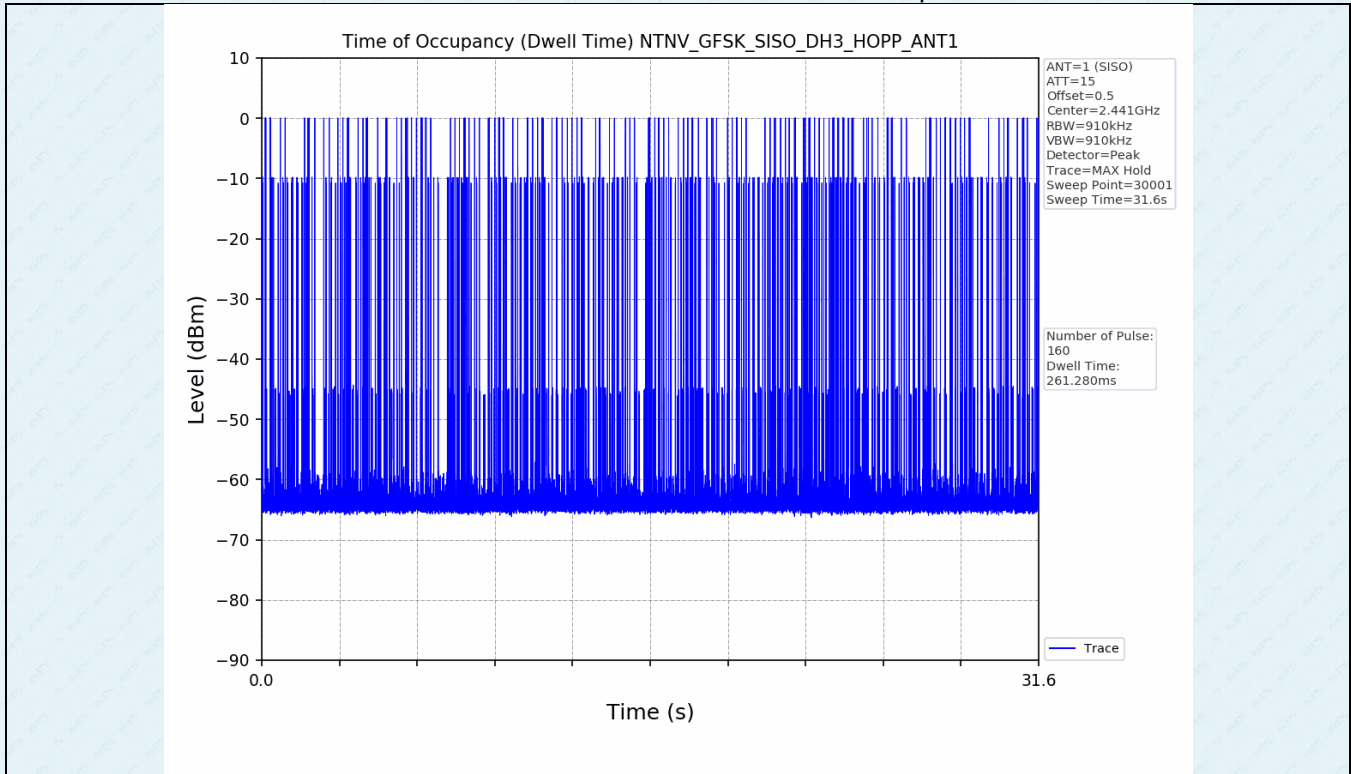
5.1 Test Result

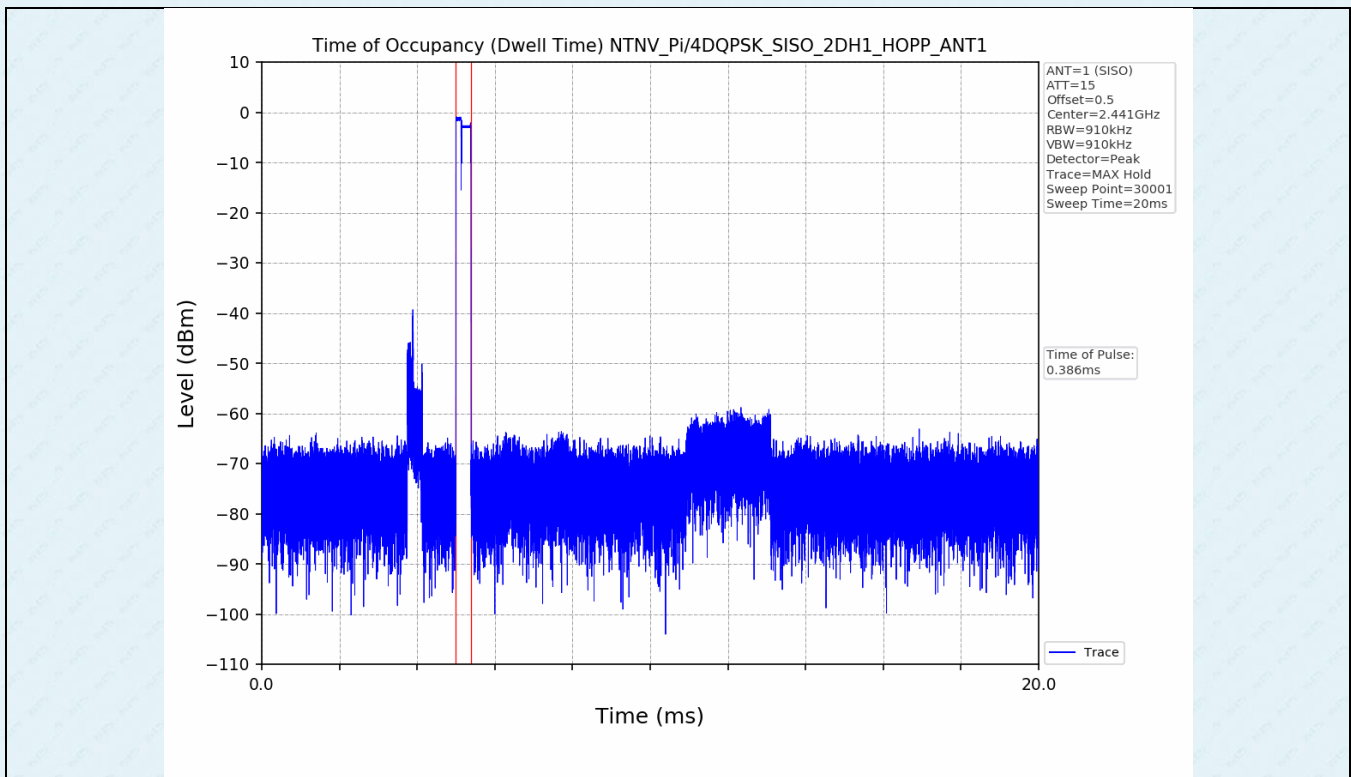
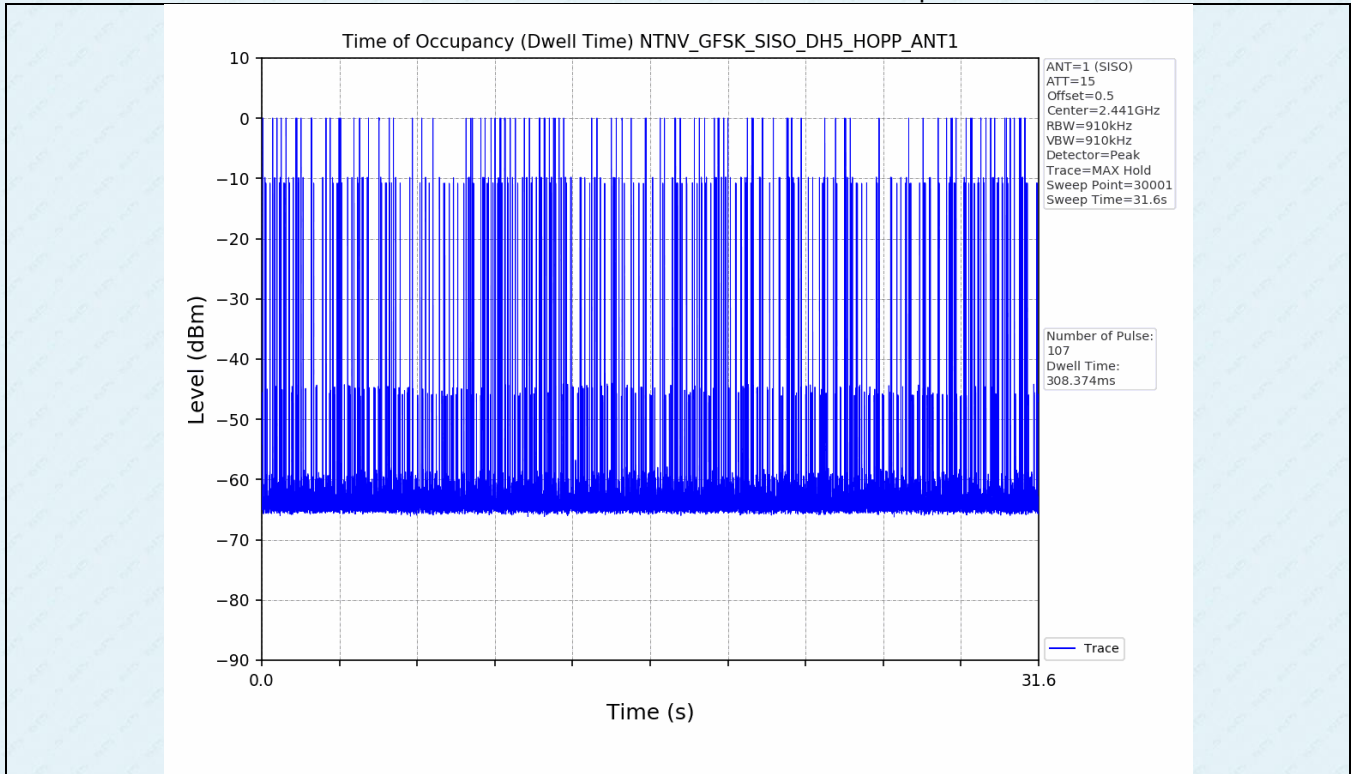
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.378	31.6	320	120.960	≤400	PASS
	DH3	SISO	1	1.633	31.6	160	261.280	≤400	PASS
	DH5	SISO	1	2.882	31.6	107	308.374	≤400	PASS
Pi/4DQ PSK	2DH1	SISO	1	0.386	31.6	319	123.134	≤400	PASS
	2DH3	SISO	1	1.639	31.6	158	258.962	≤400	PASS
	2DH5	SISO	1	2.886	31.6	111	320.346	≤400	PASS

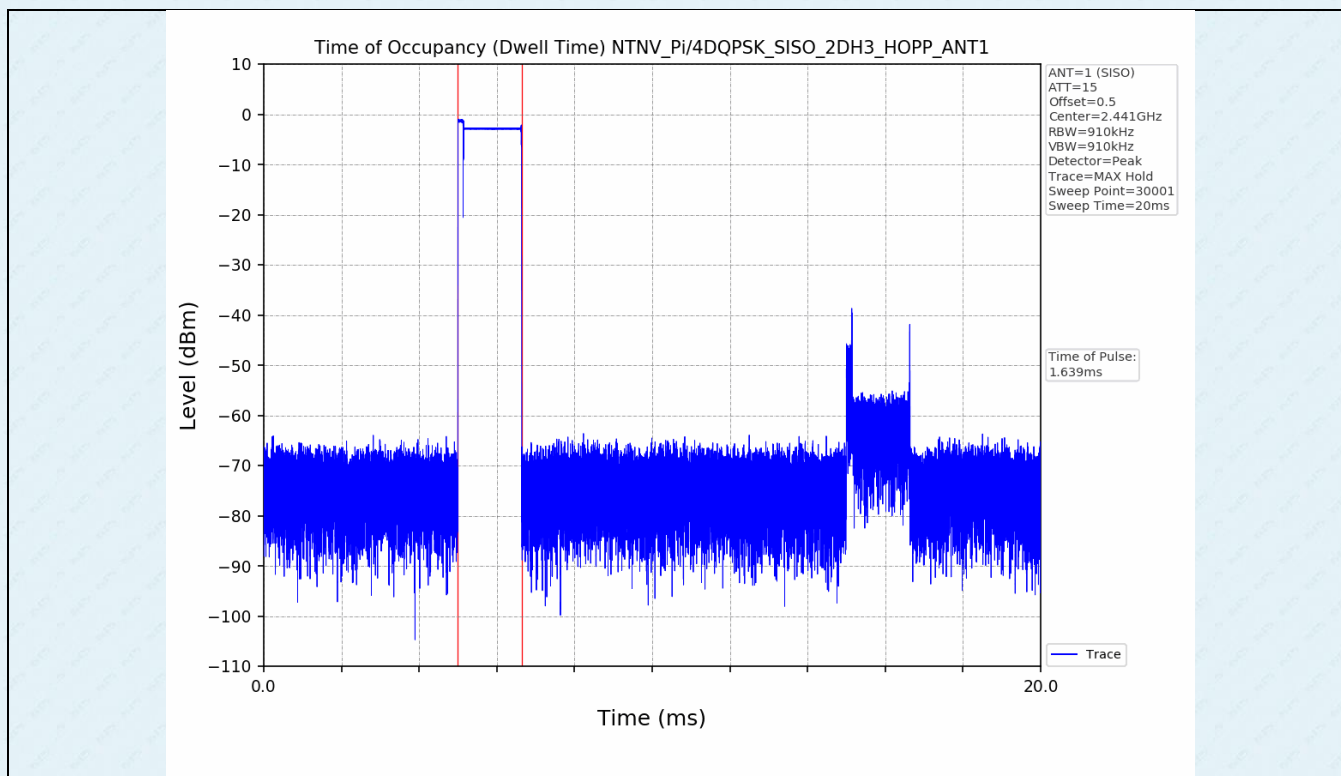
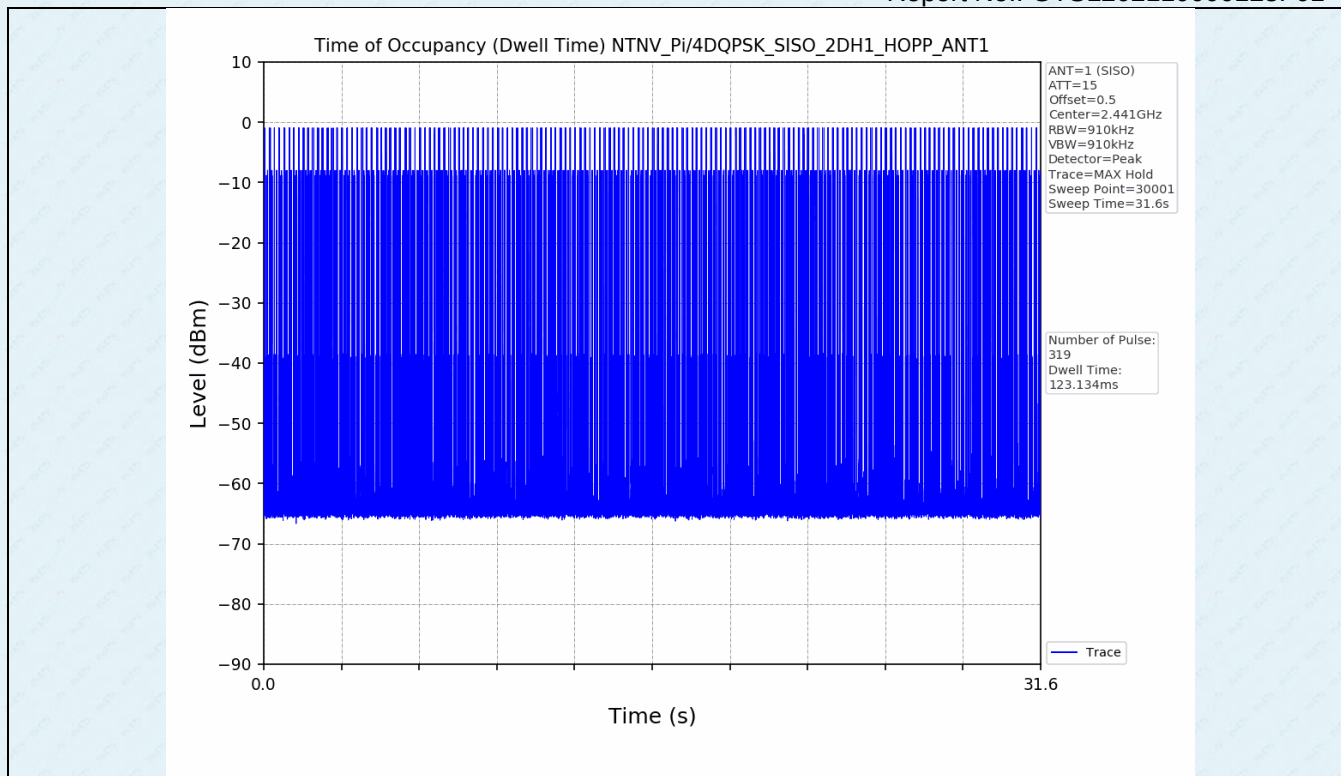
5.2 Test Graph

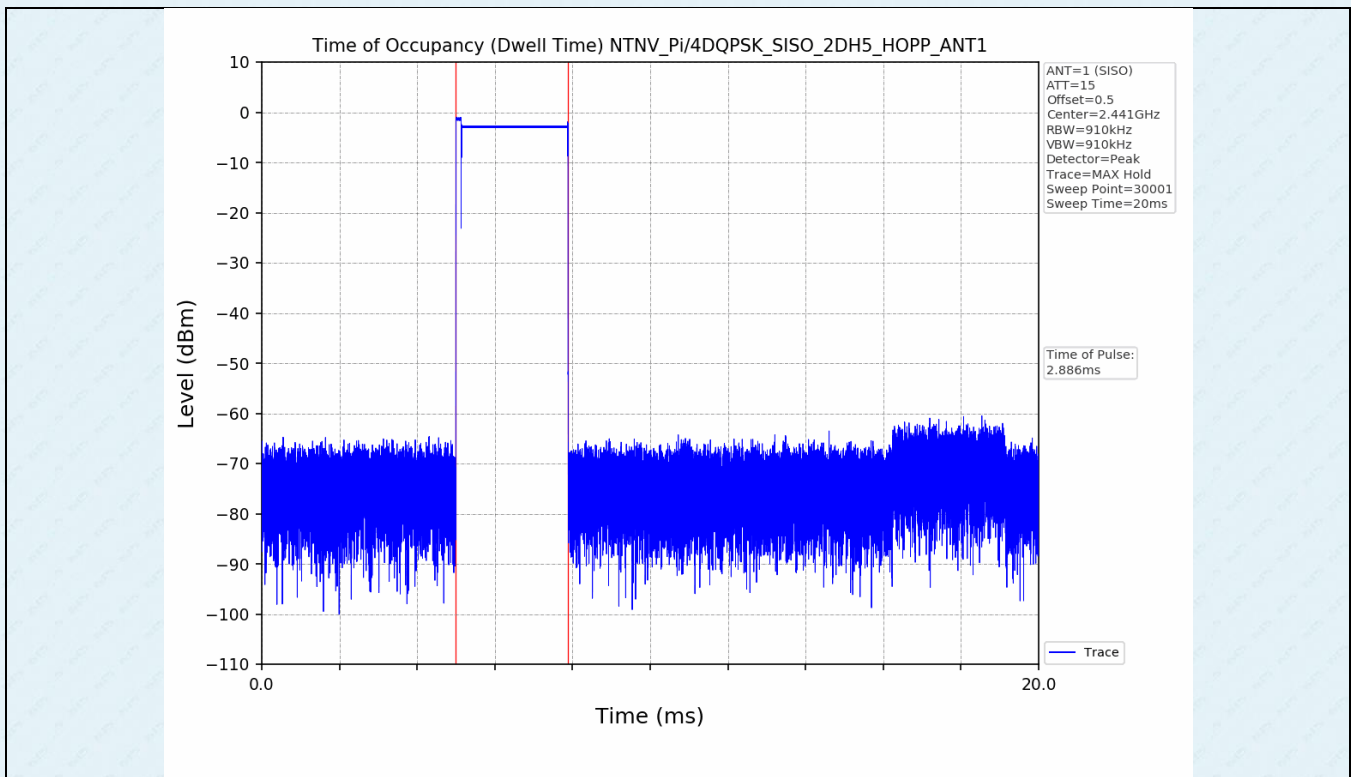
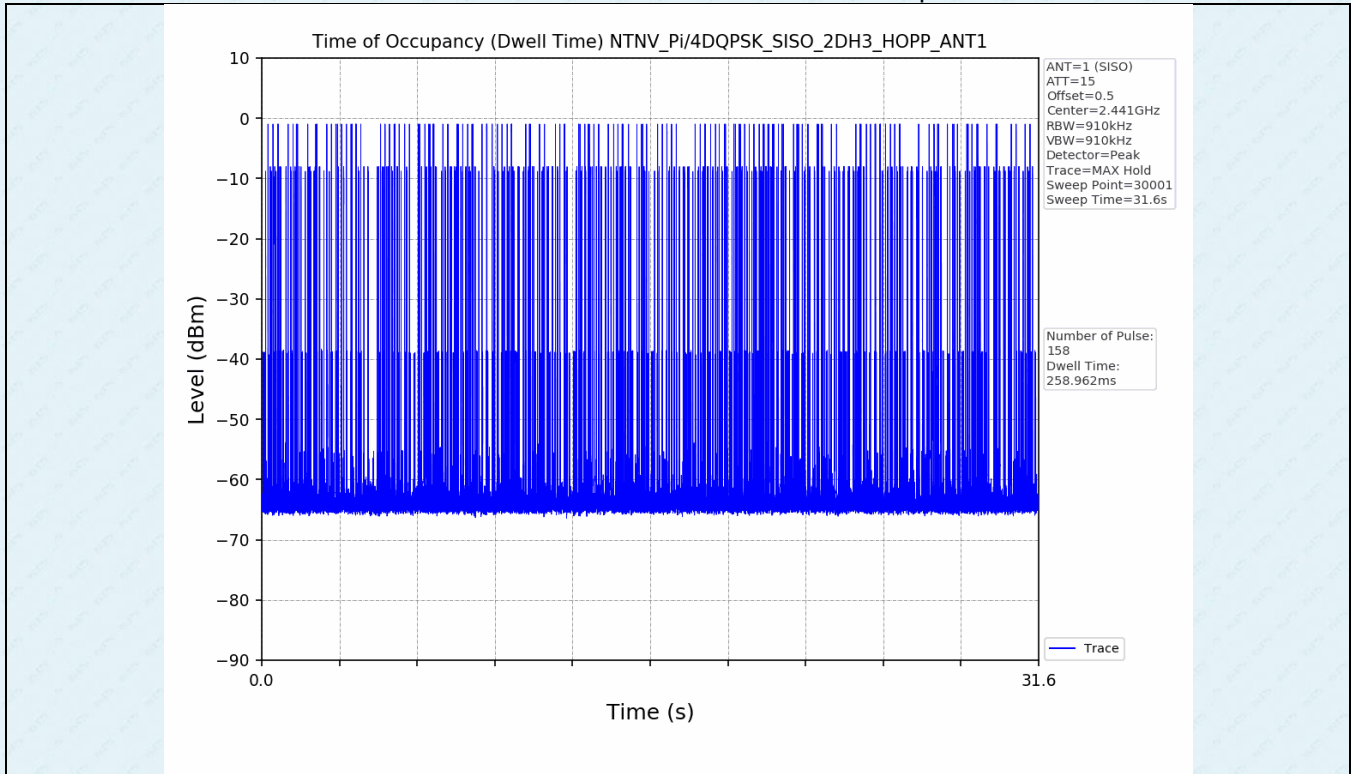


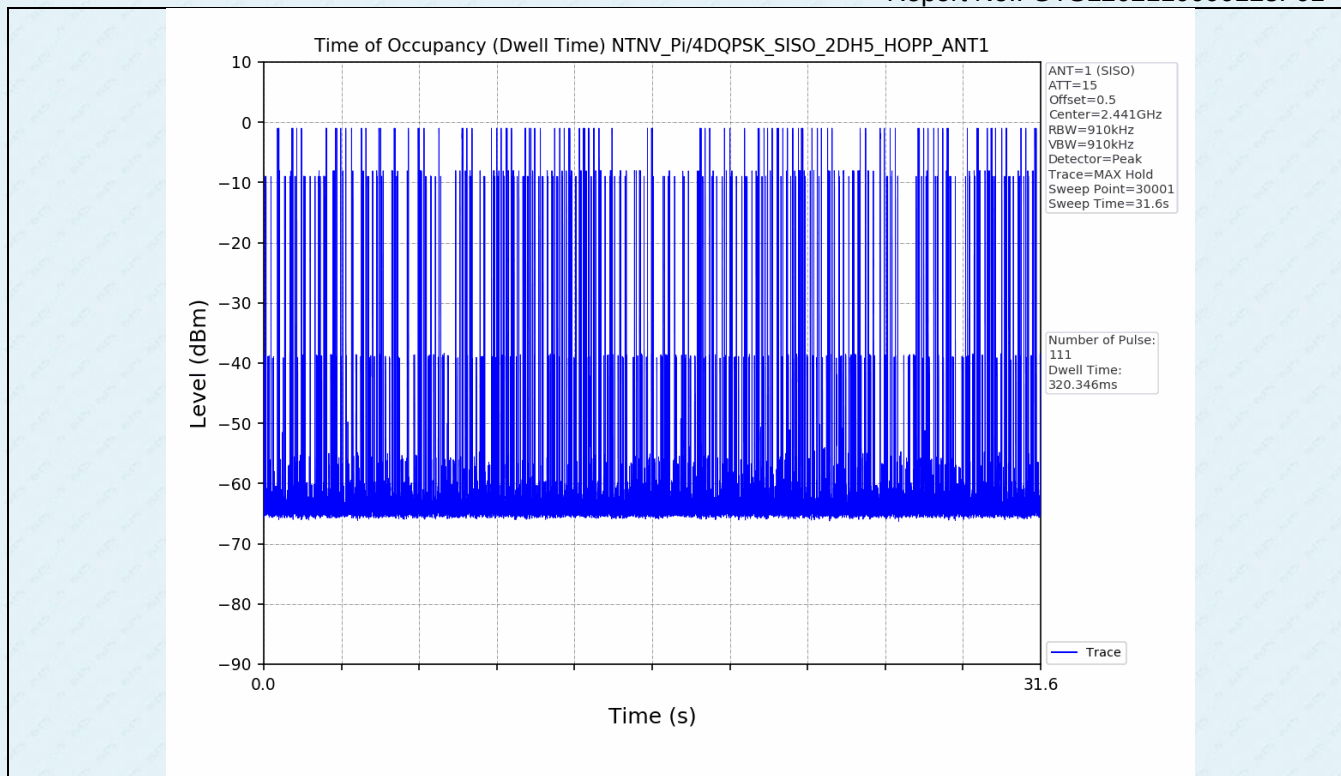










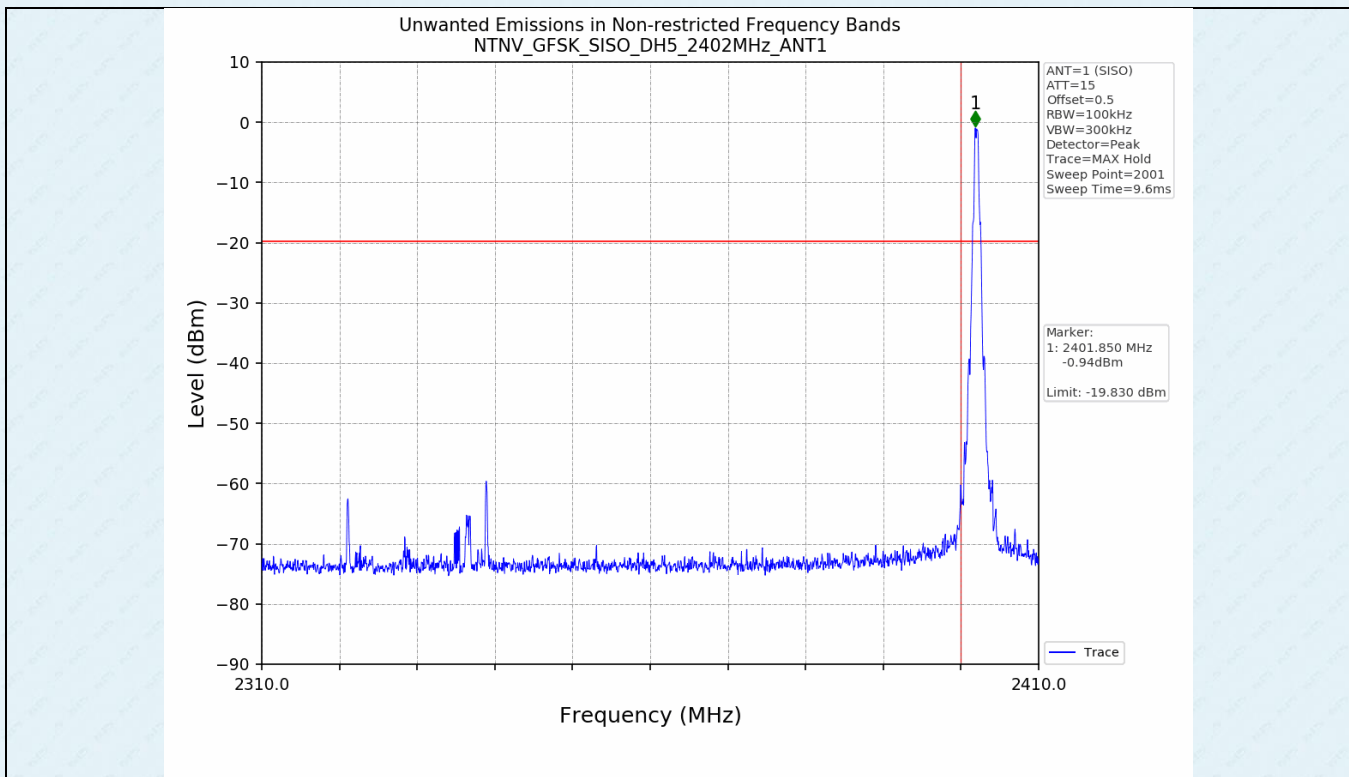
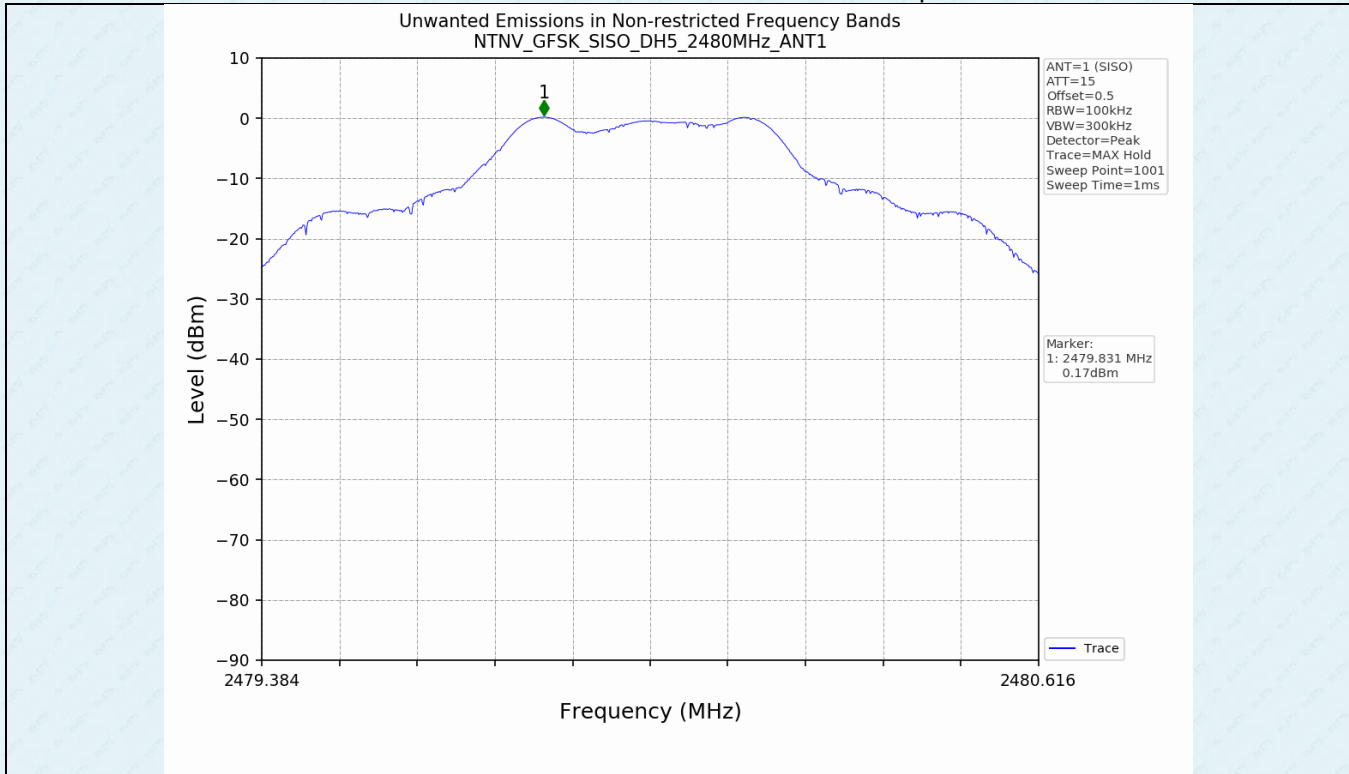


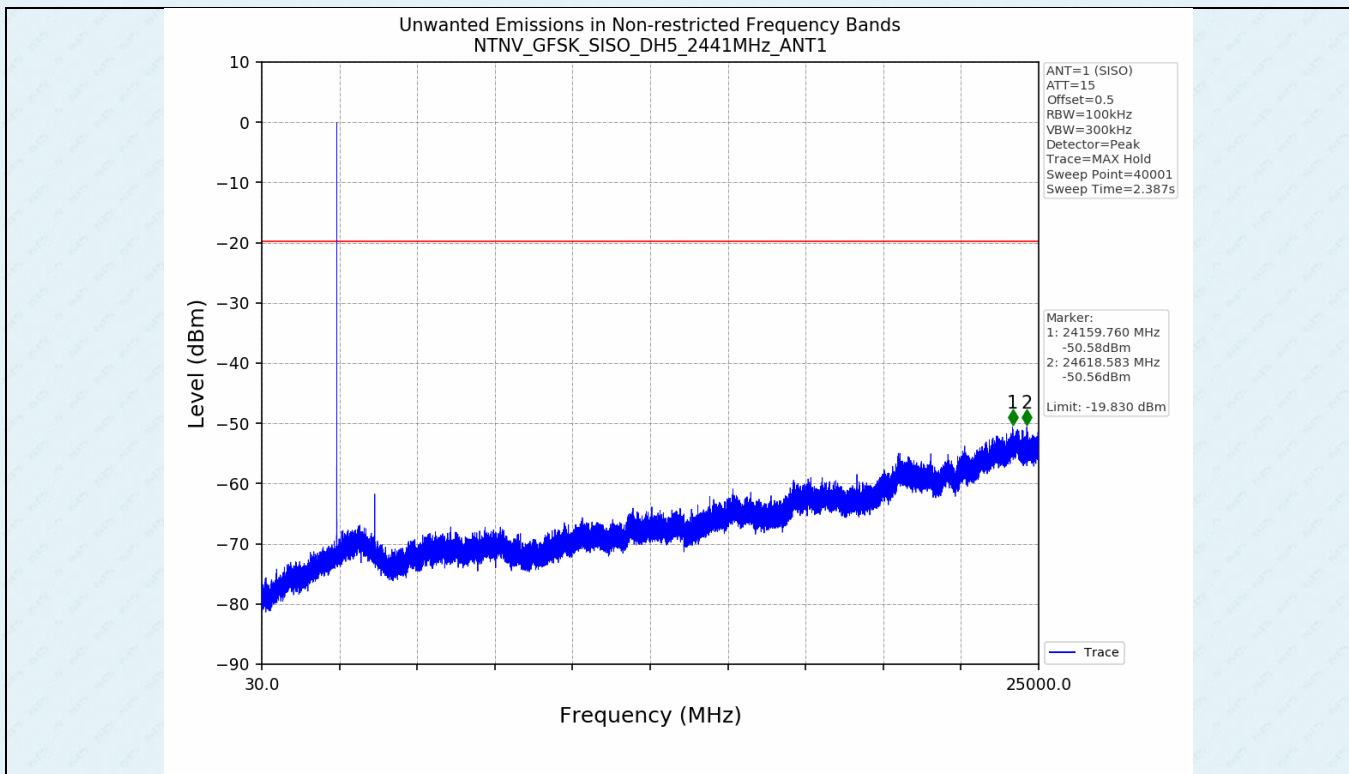
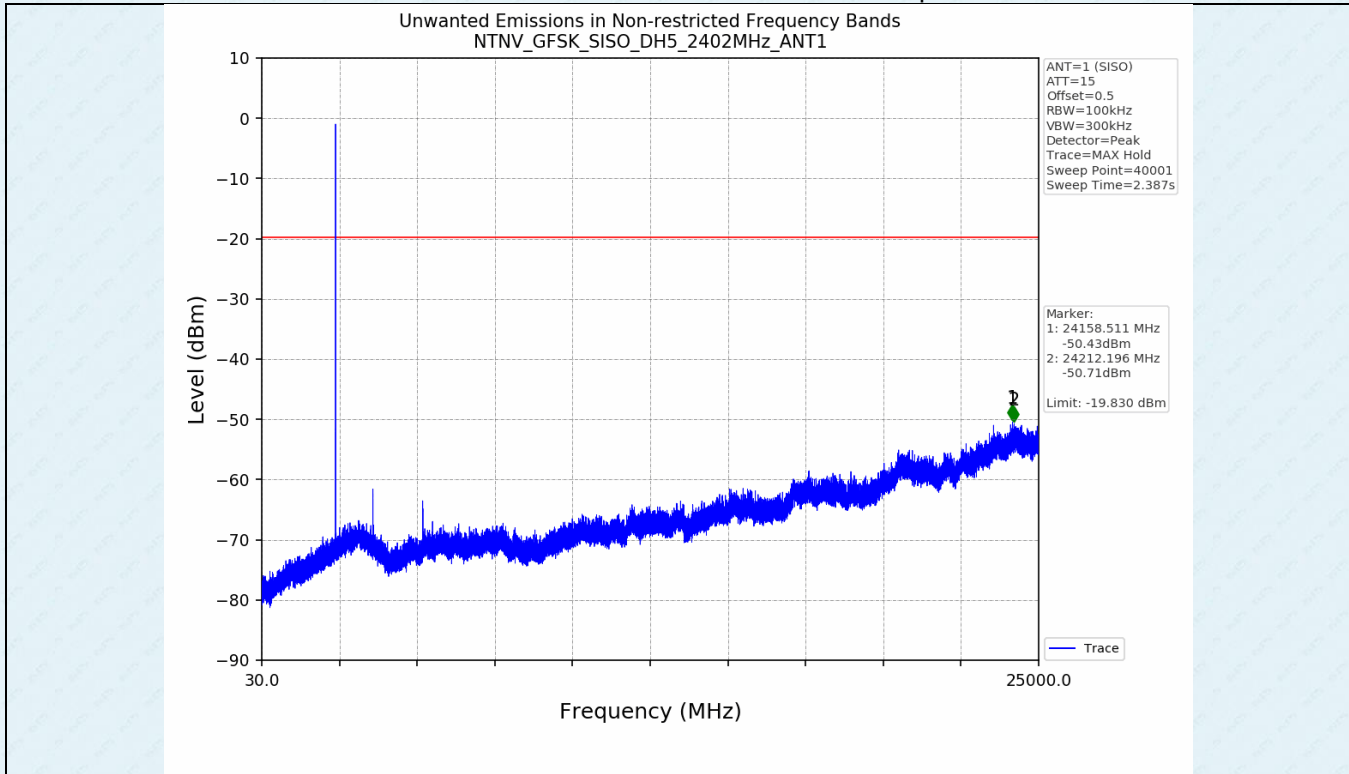
6. Unwanted Emissions in Non-restricted Frequency Bands

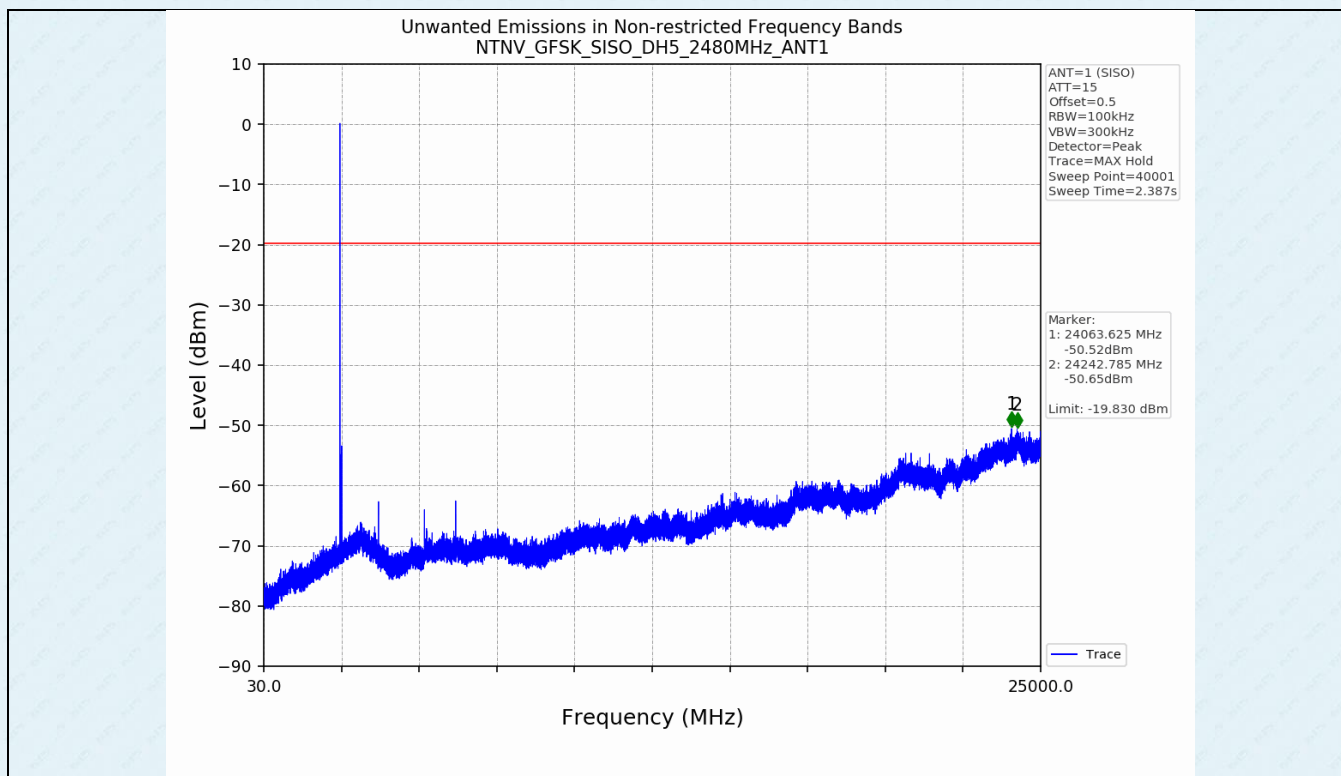
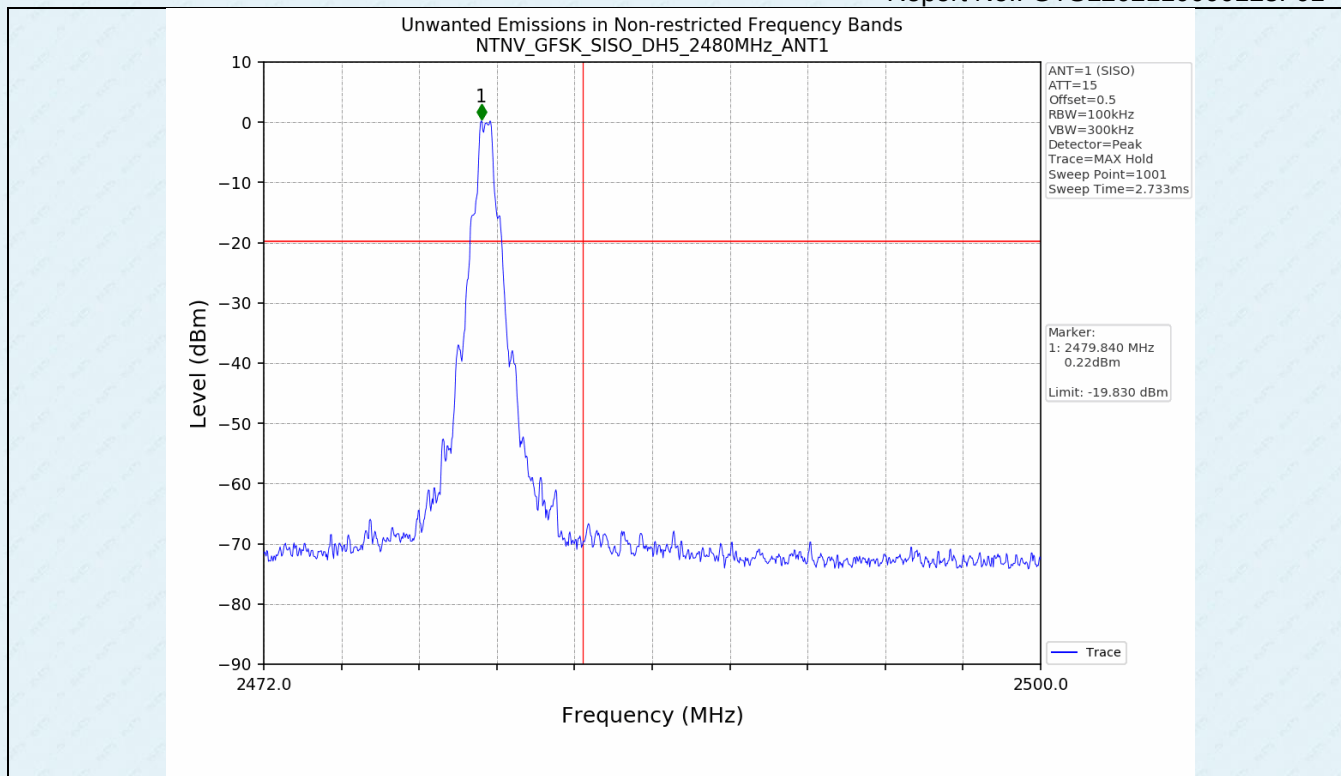
6.1 Test Result

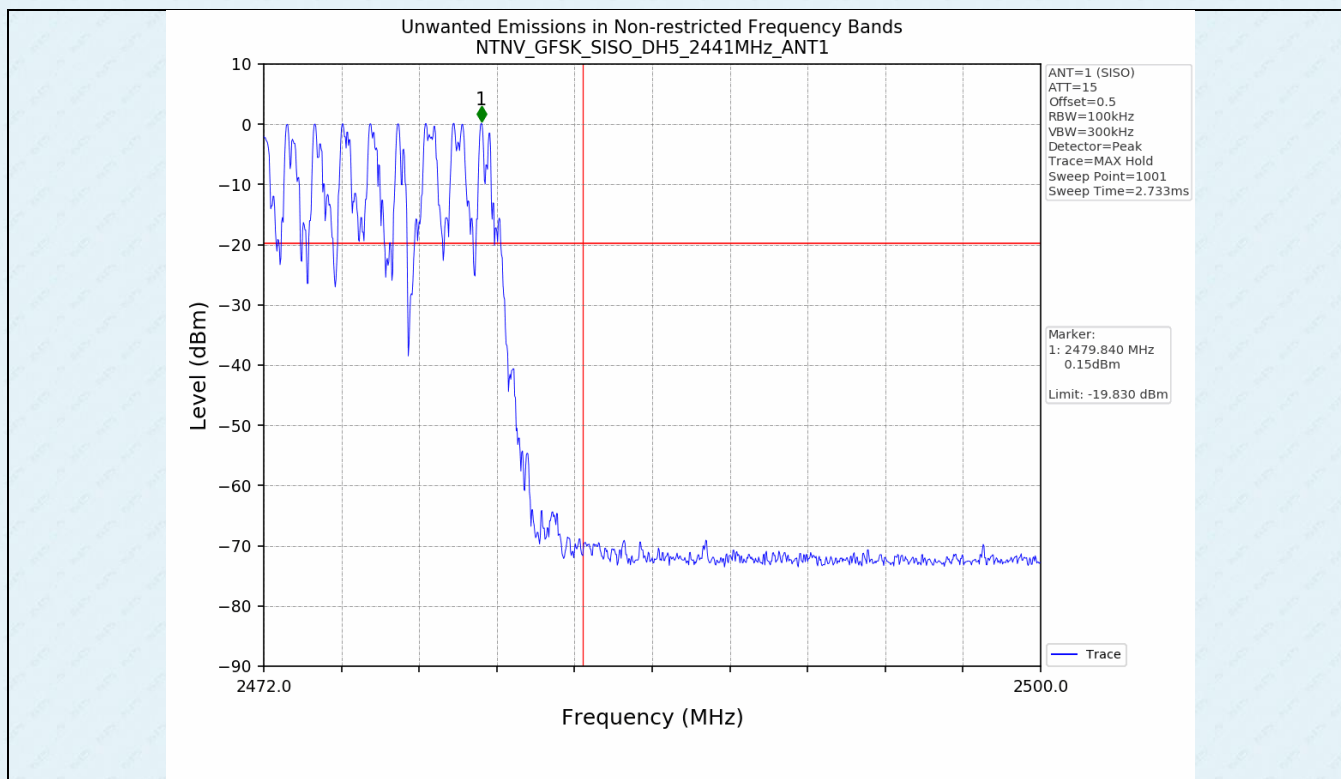
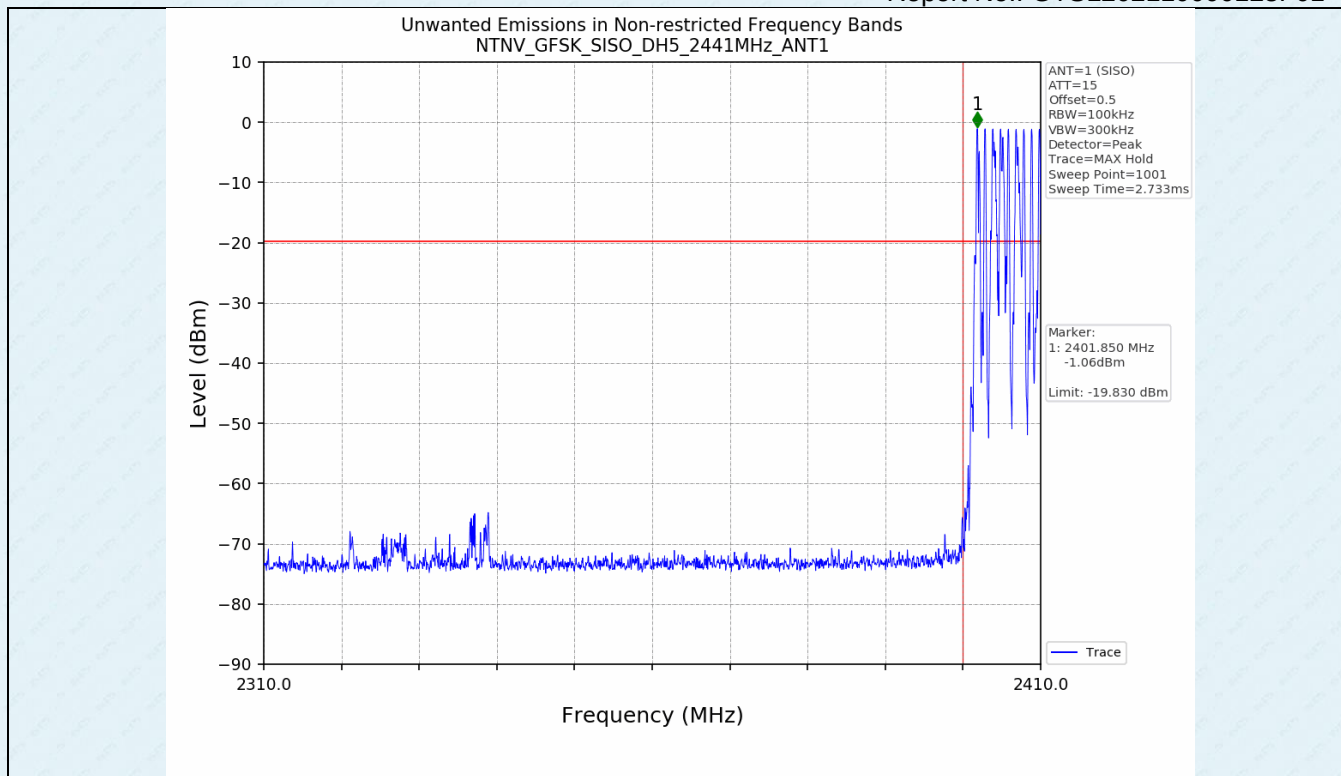
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-19.83	PASS
	2441	SISO	1	Refer to test graph	-19.83	PASS
	2480	SISO	1	Refer to test graph	-19.83	PASS
	Hopping	SISO	1	Refer to test graph	-19.83	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-21.13	PASS
	2441	SISO	1	Refer to test graph	-21.13	PASS
	2480	SISO	1	Refer to test graph	-21.13	PASS
	Hopping	SISO	1	Refer to test graph	-21.13	PASS

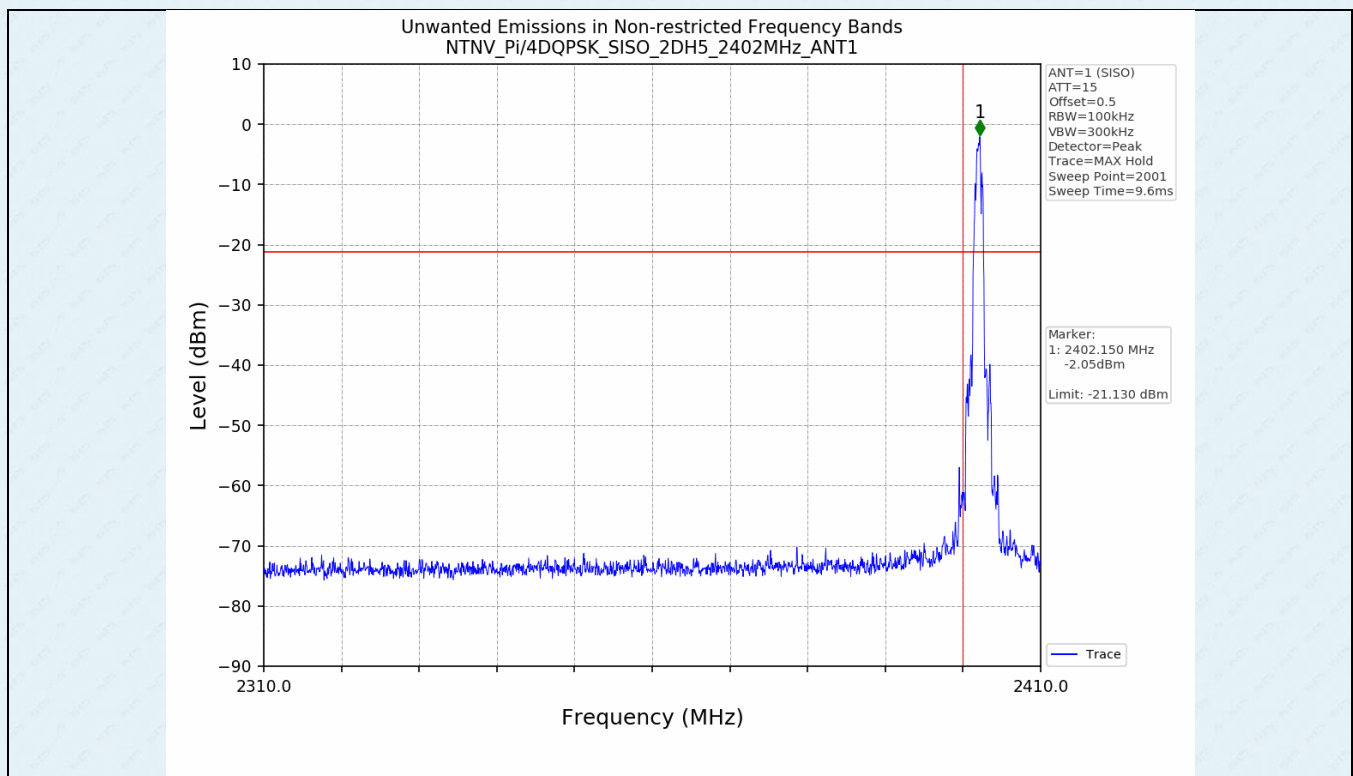
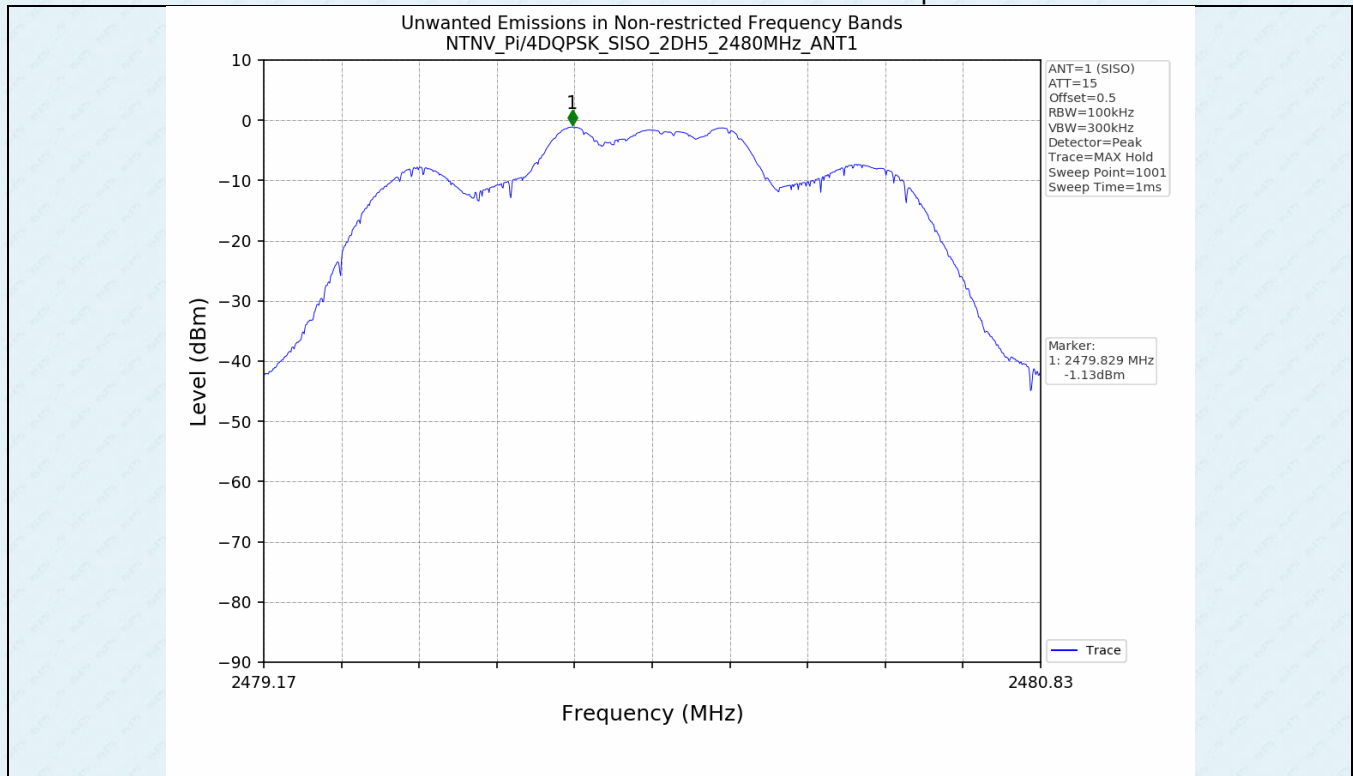
6.2 Test Graph

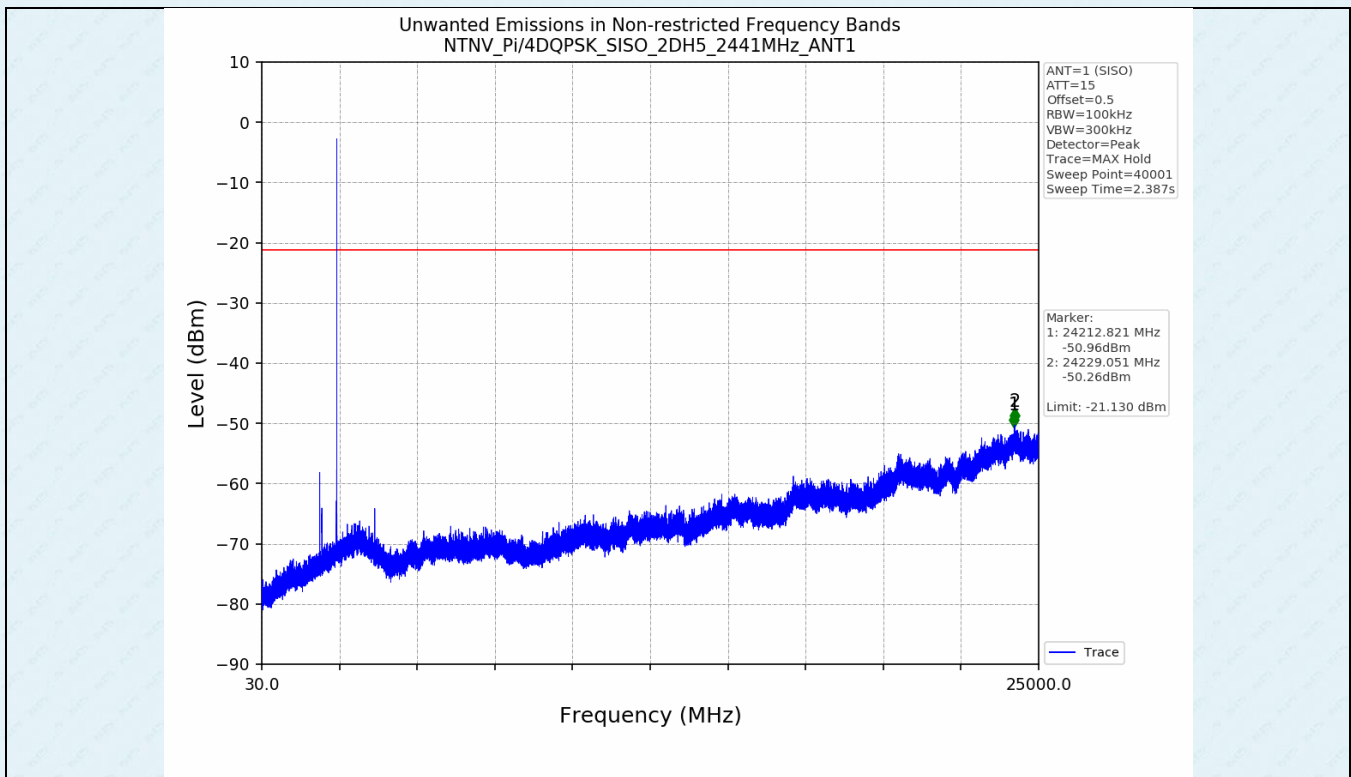
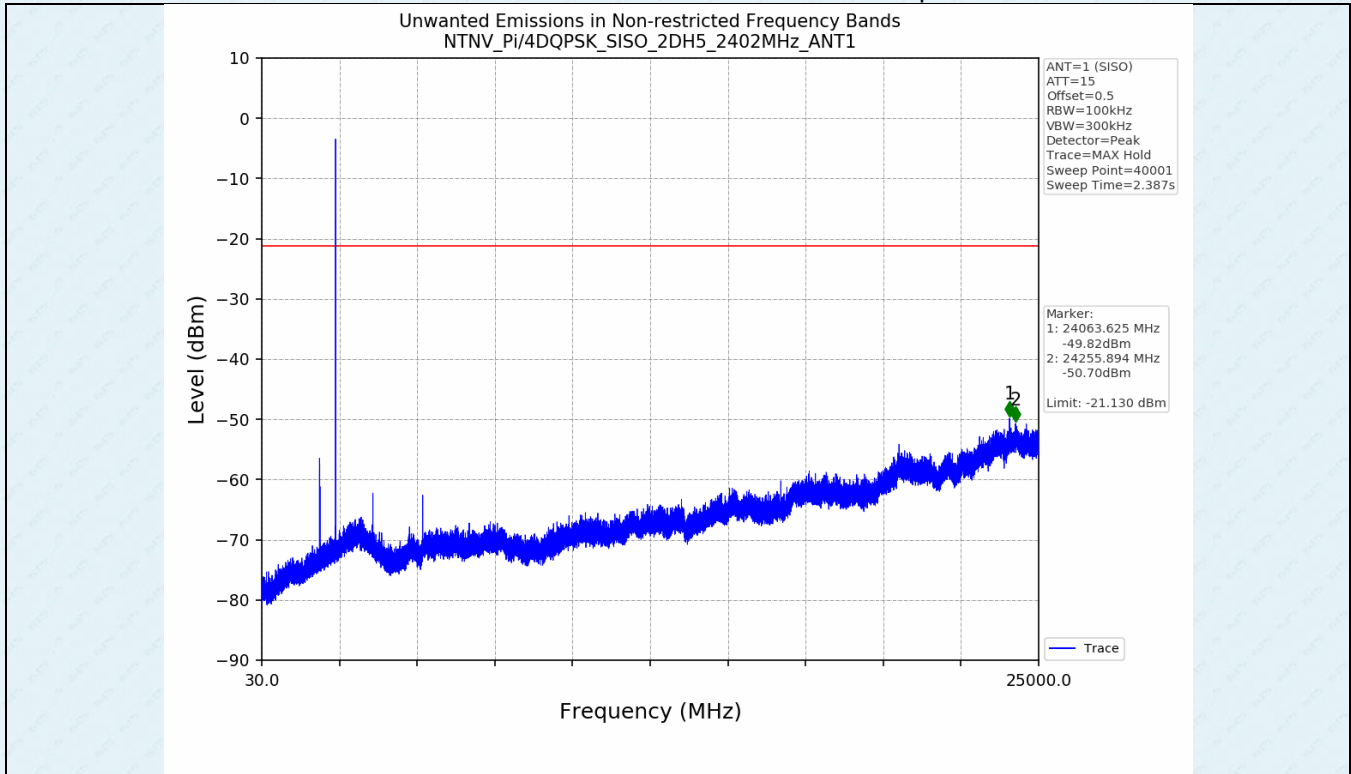


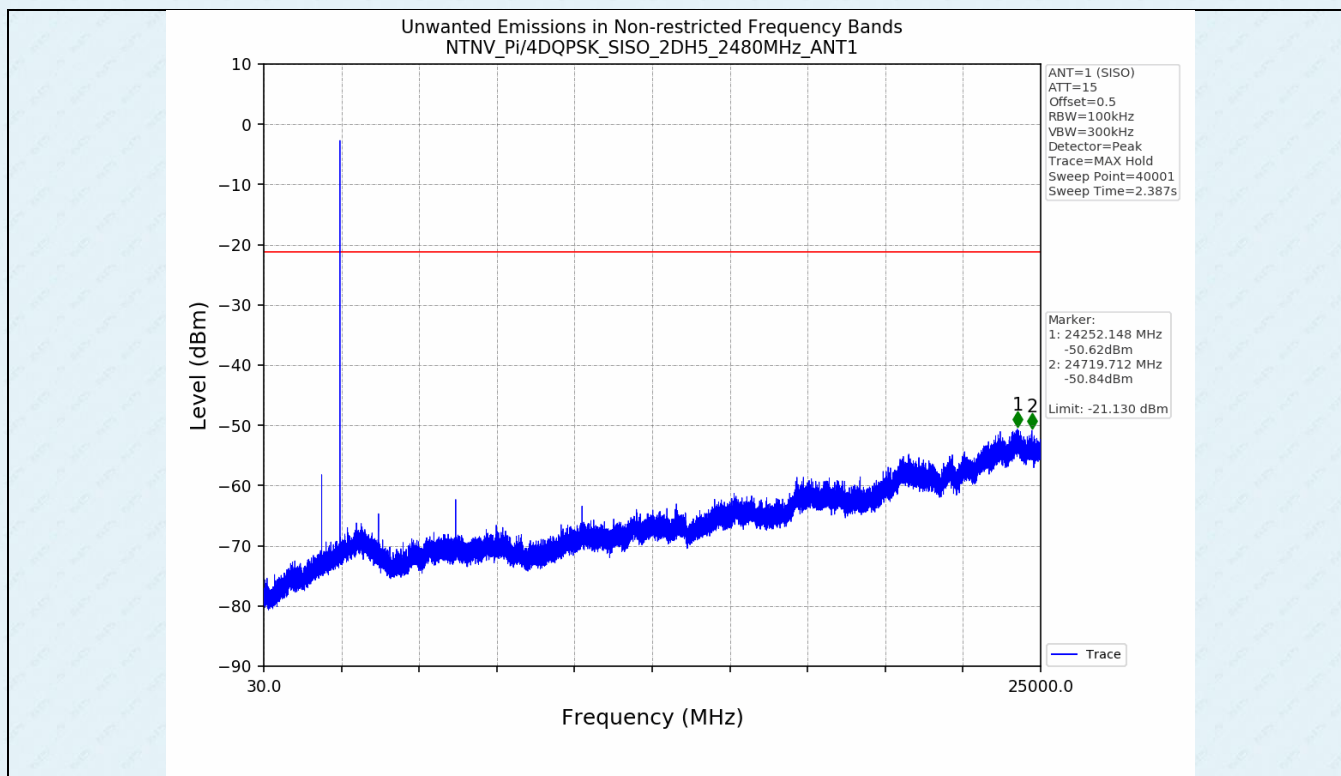
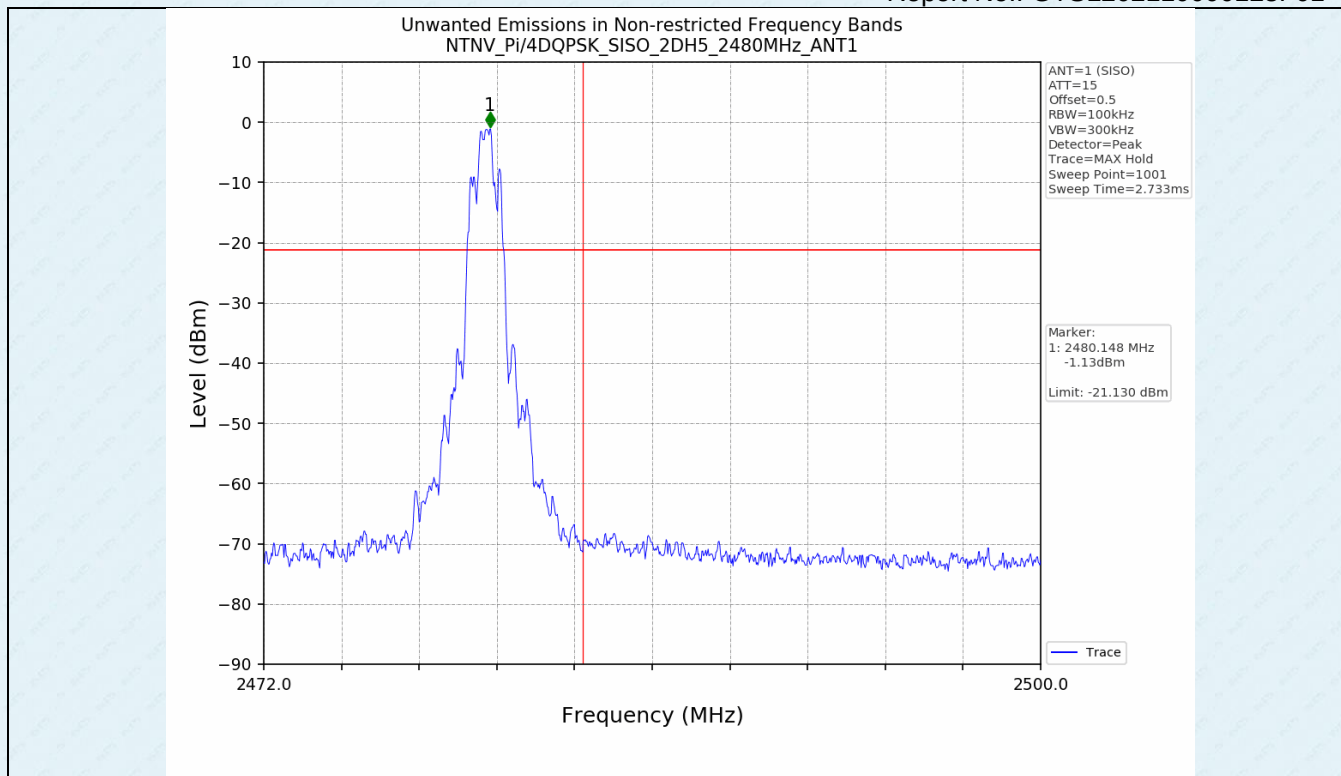


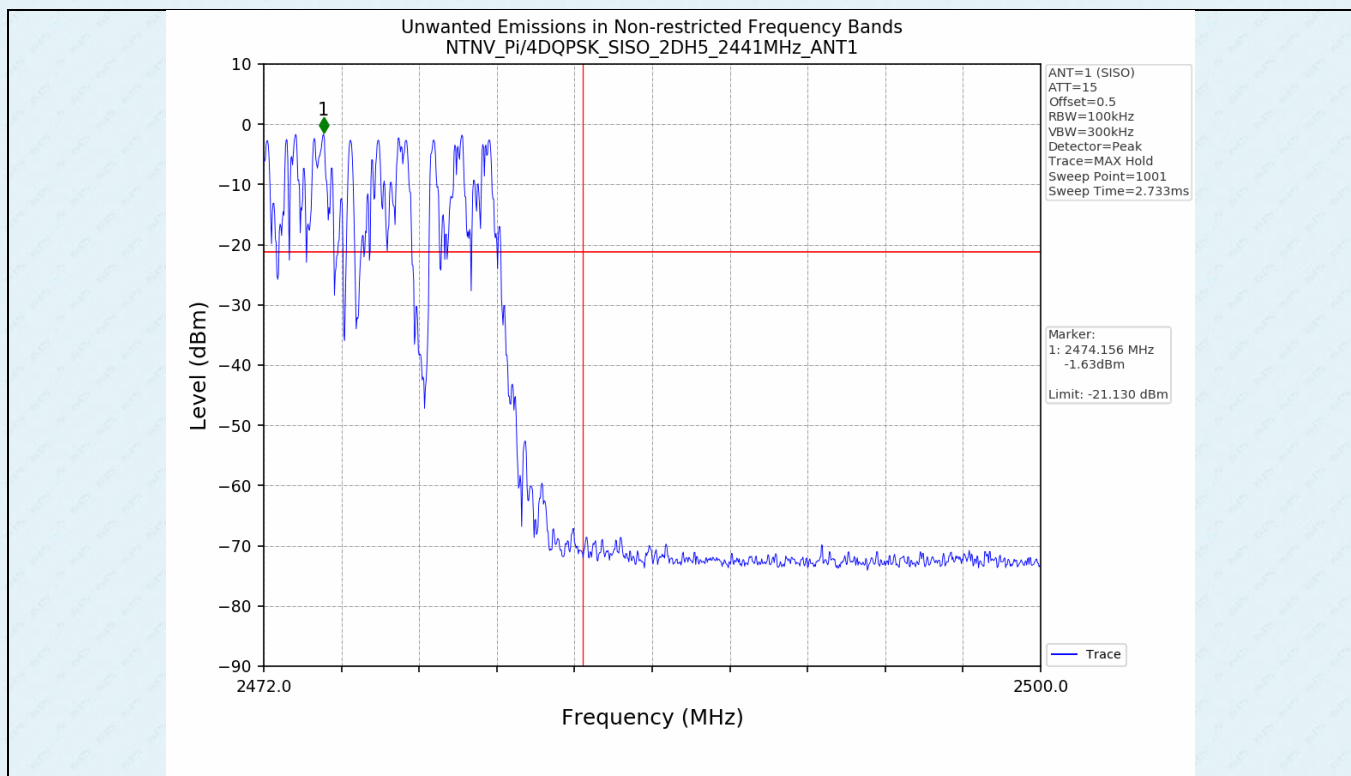
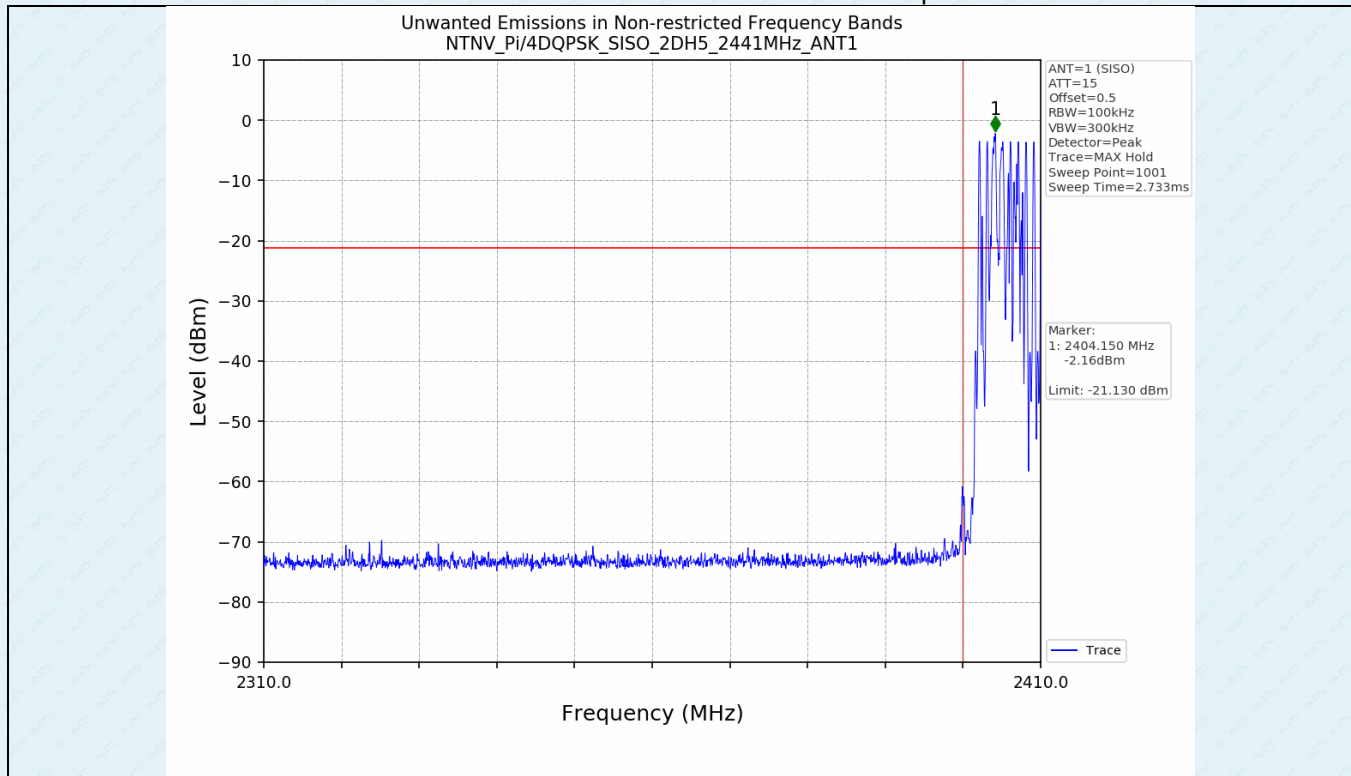










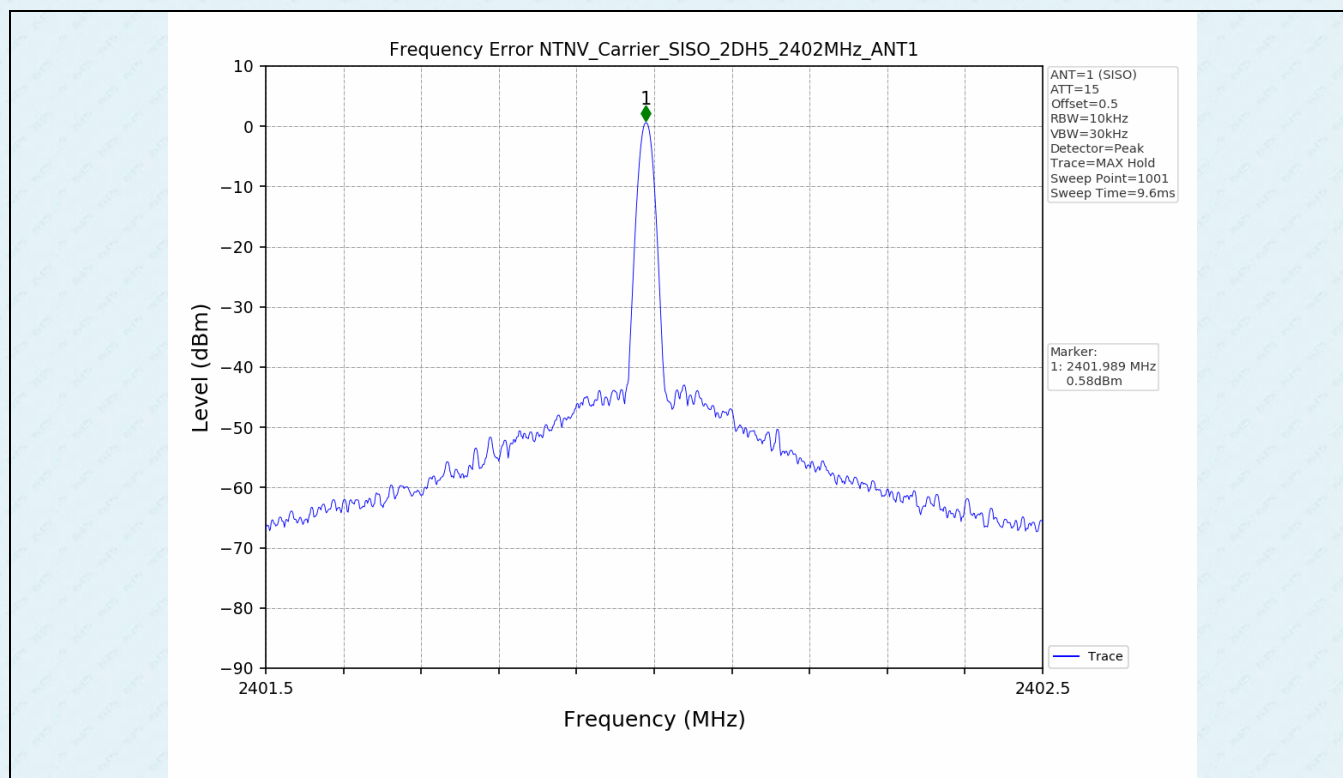


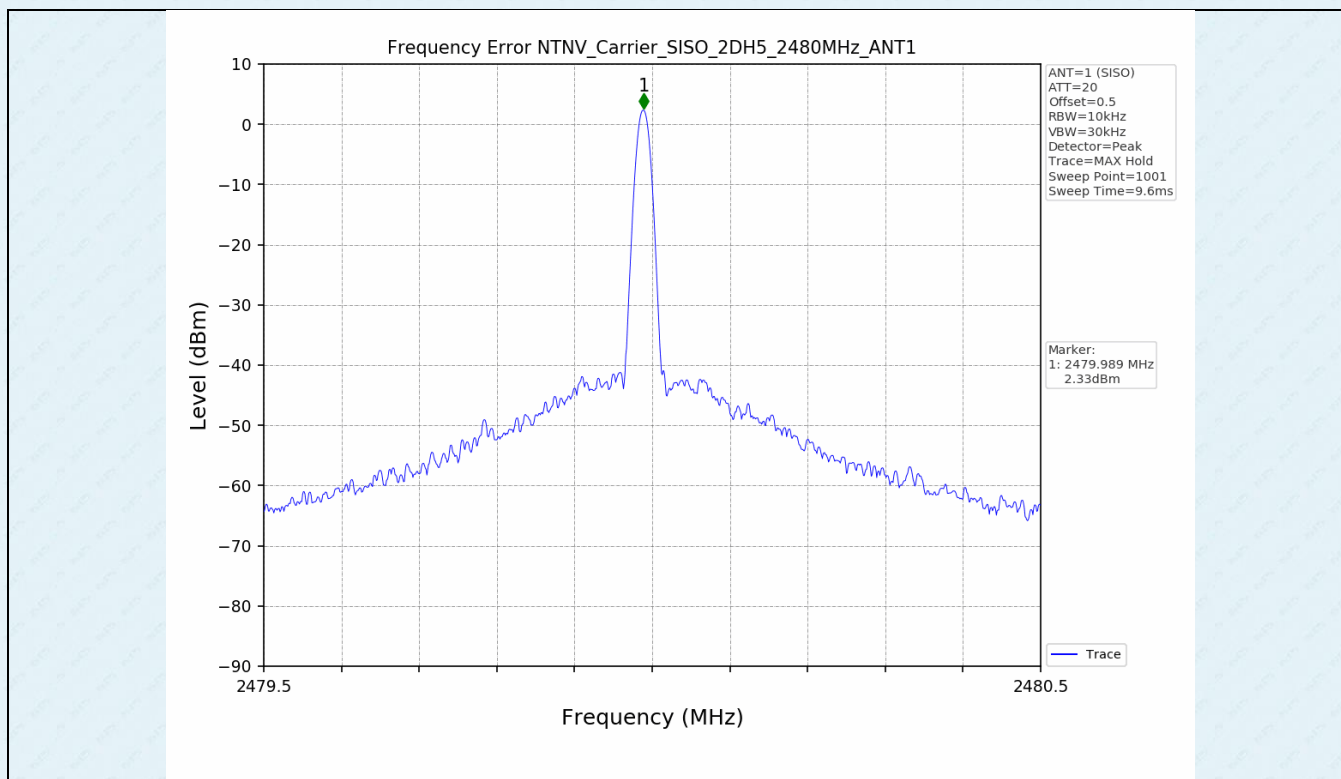
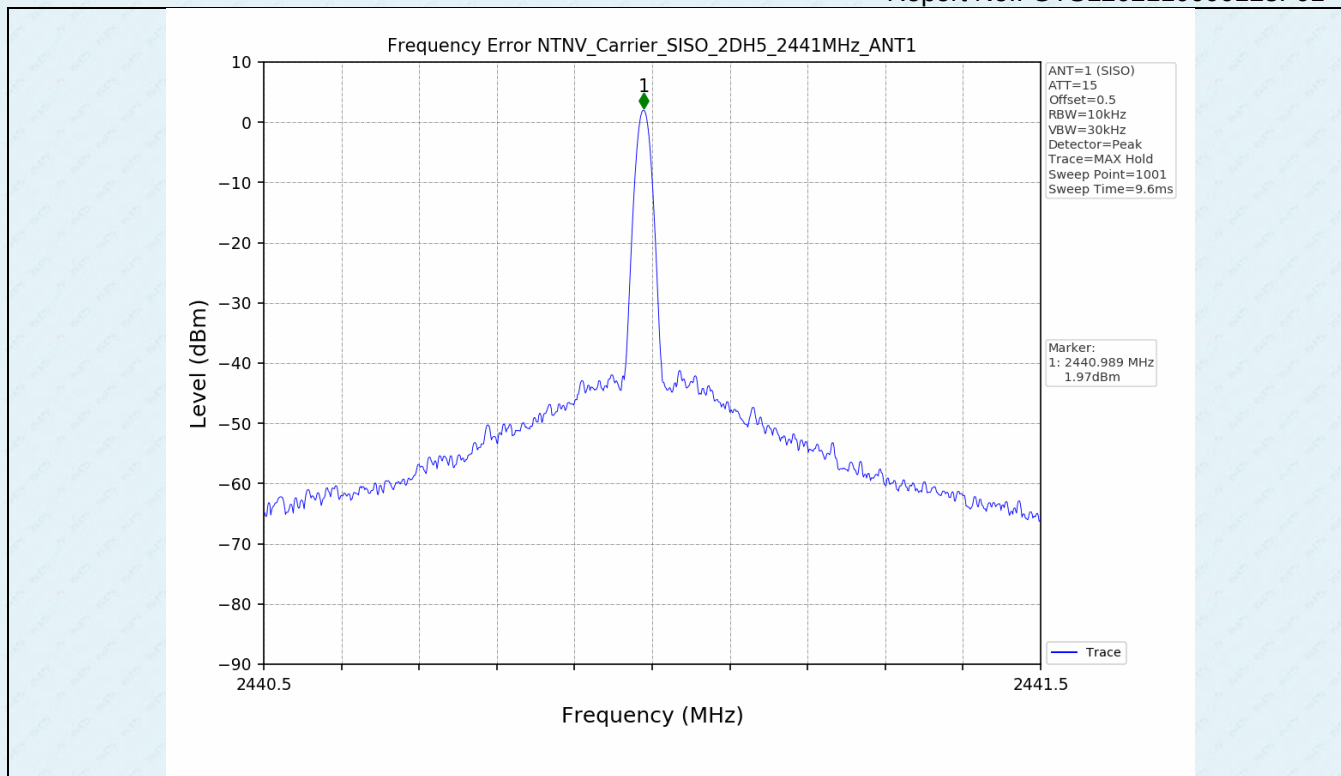
7. Frequency Error

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





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