

Appendix for 15.247

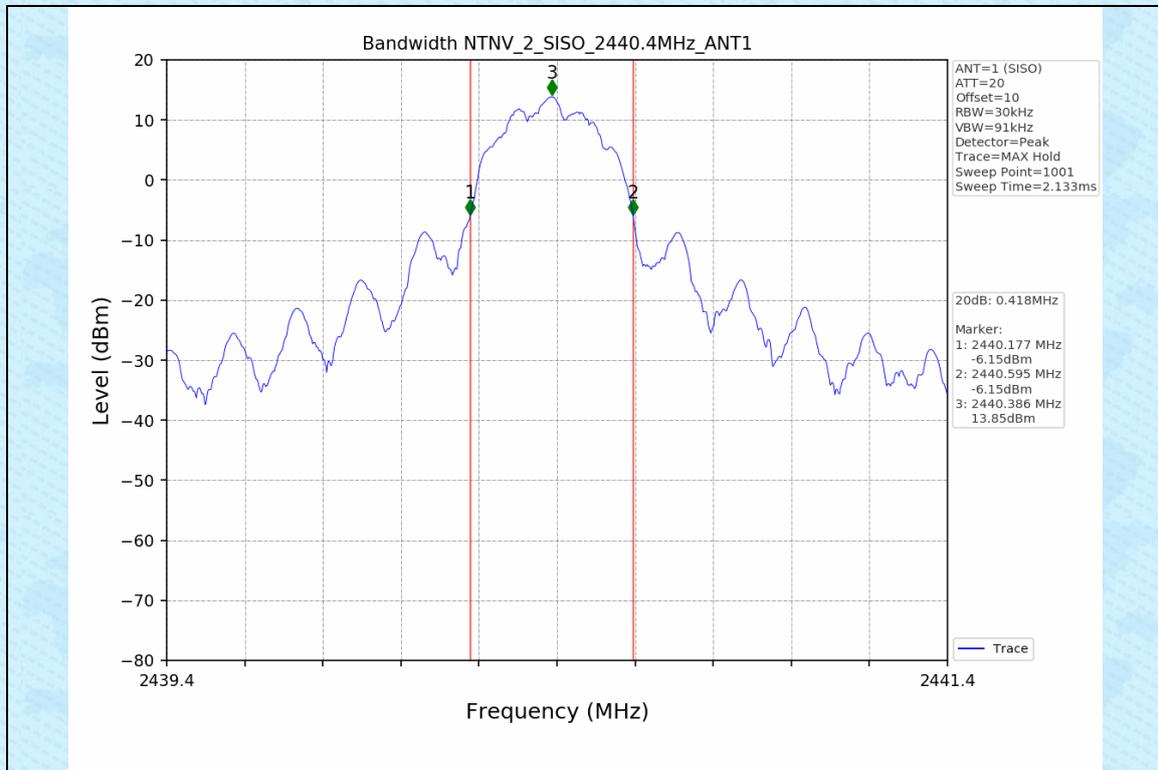
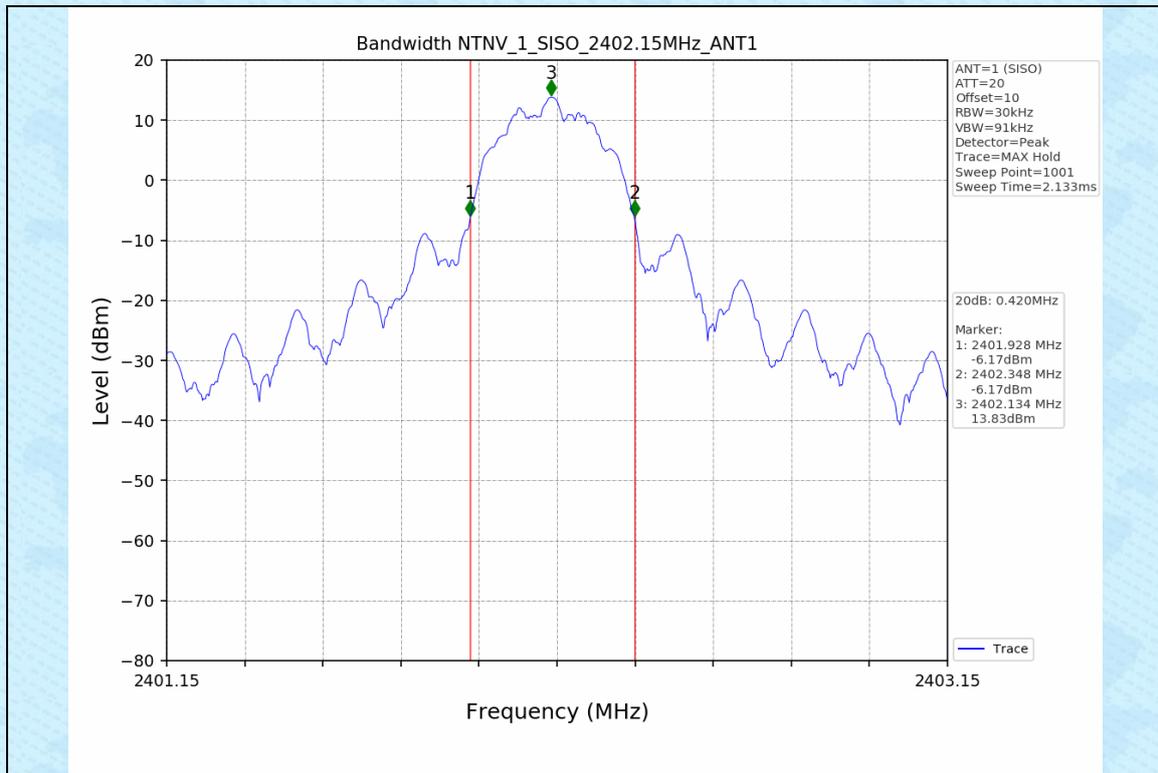
1. Bandwidth

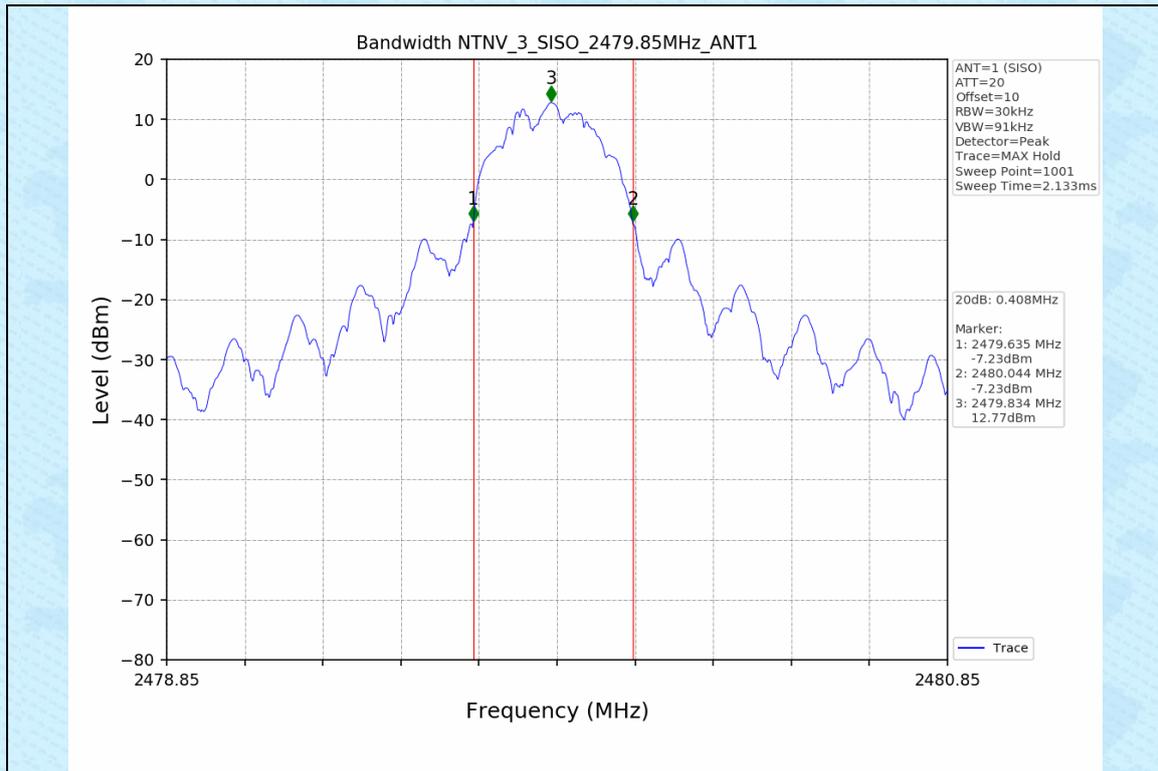
1.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GMSK	2402.15	SISO	1	0.420	PASS
	2440.4	SISO	1	0.418	PASS
	2479.85	SISO	1	0.408	PASS

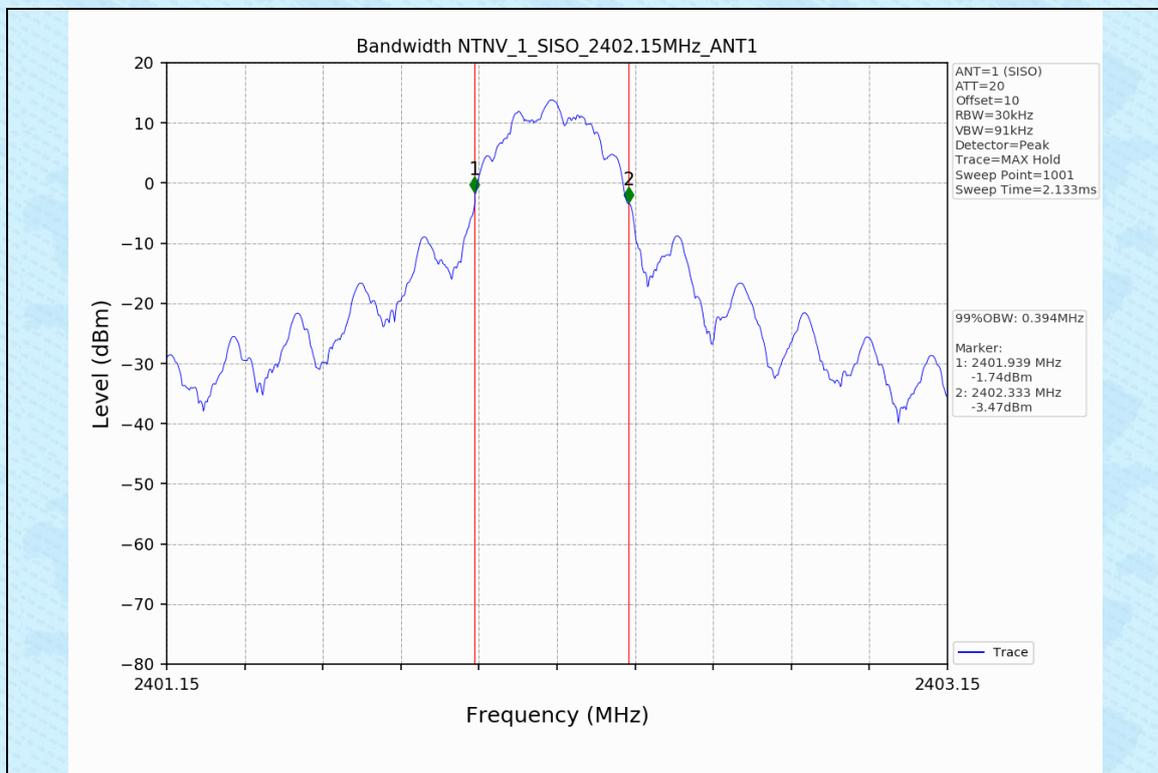
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GMSK	2402.15	SISO	1	0.394	Only for Report Use
	2440.4	SISO	1	0.398	Only for Report Use
	2479.85	SISO	1	0.391	Only for Report Use

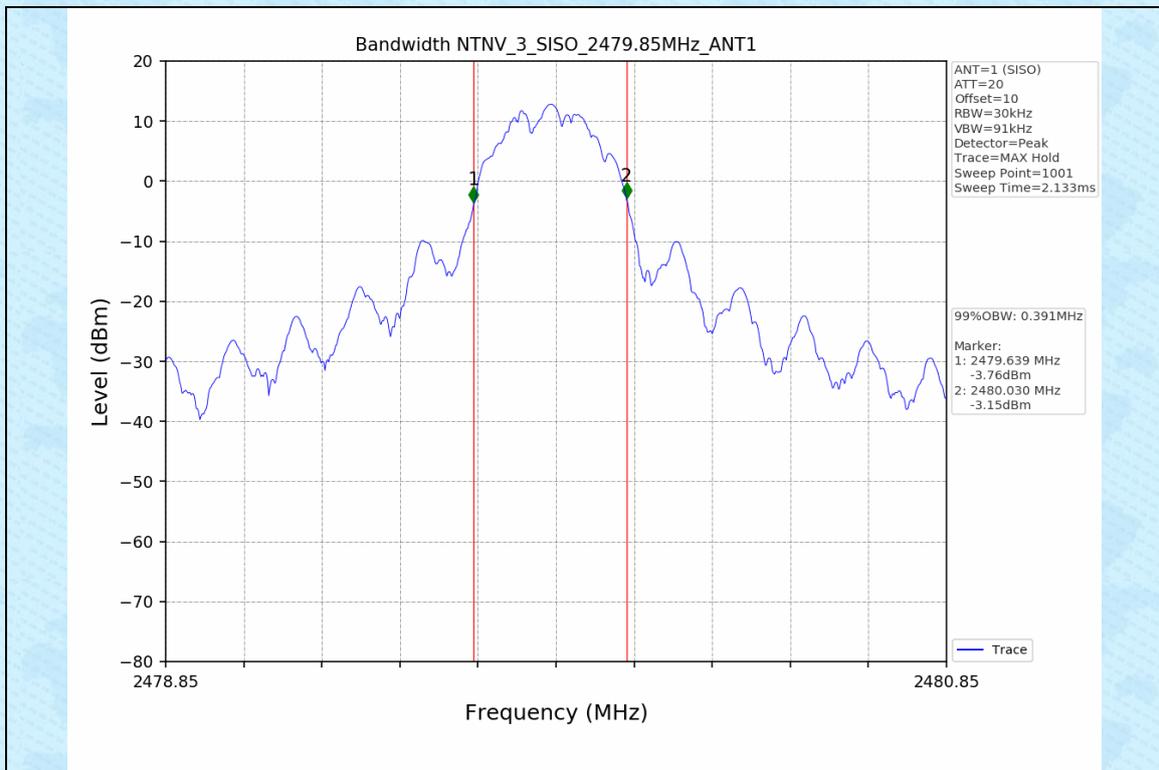
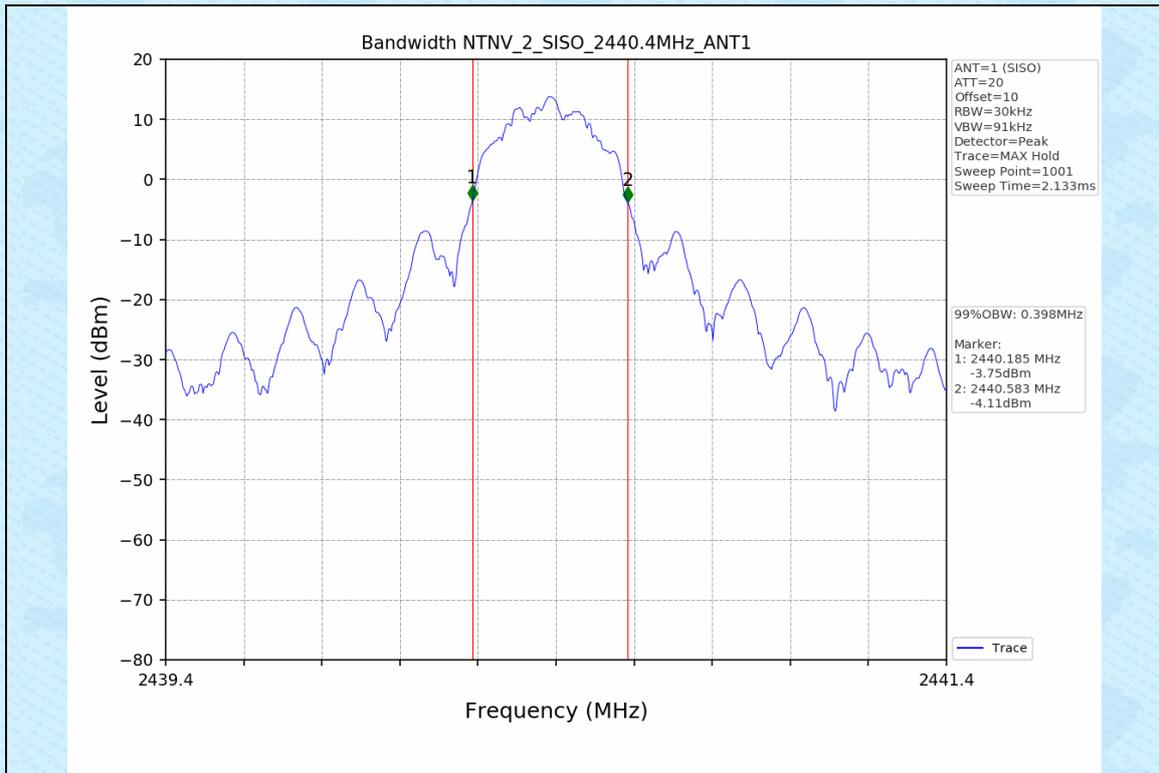
1.2 Test Graph - 20dB Bandwidth





1.3 Test Graph - 99% Occupied Bandwidth





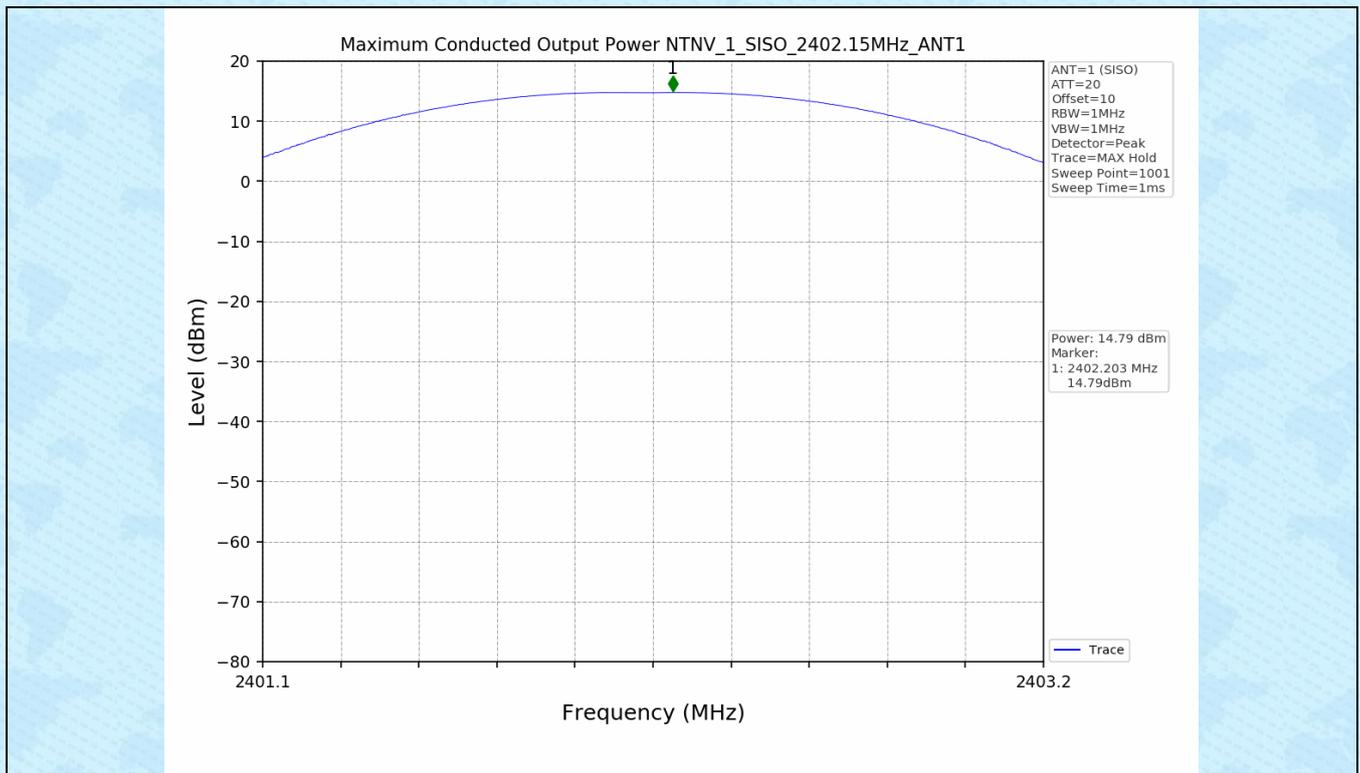
2. Maximum Conducted Output Power

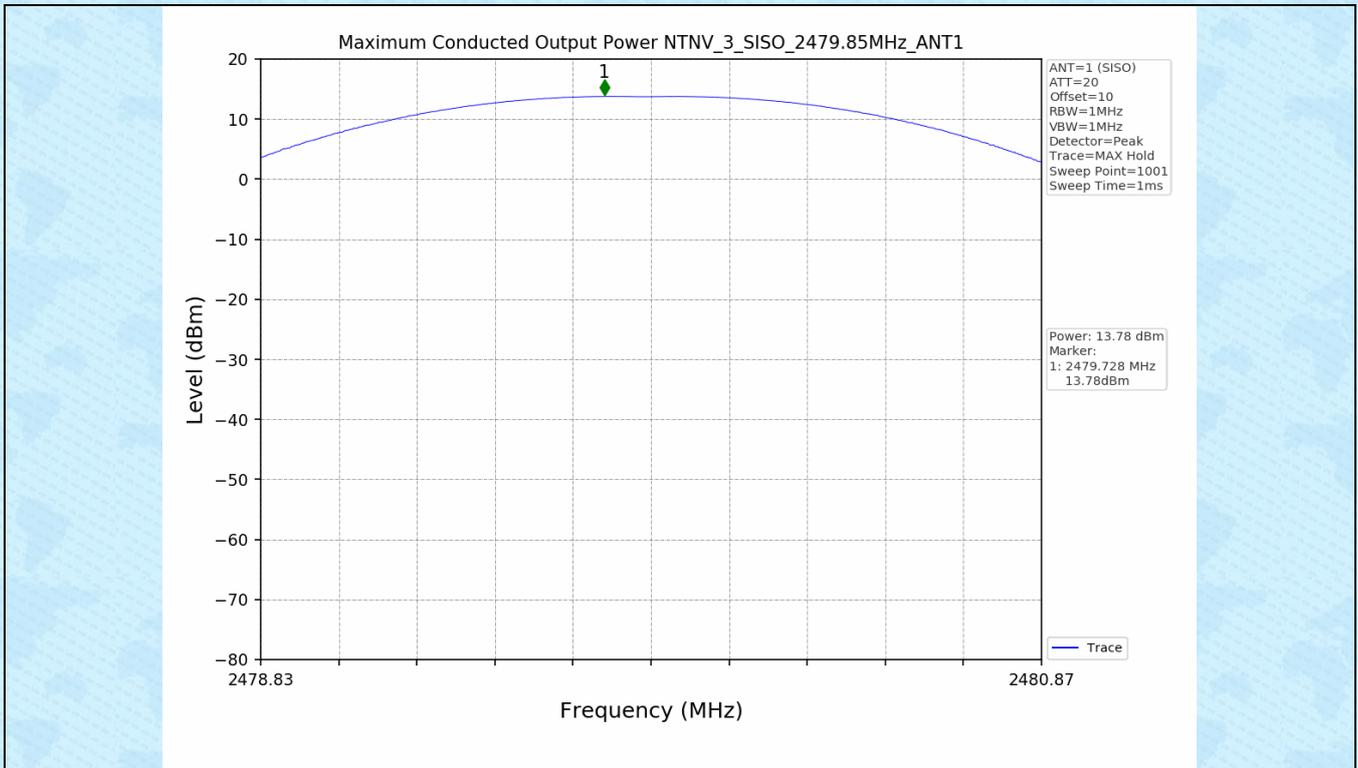
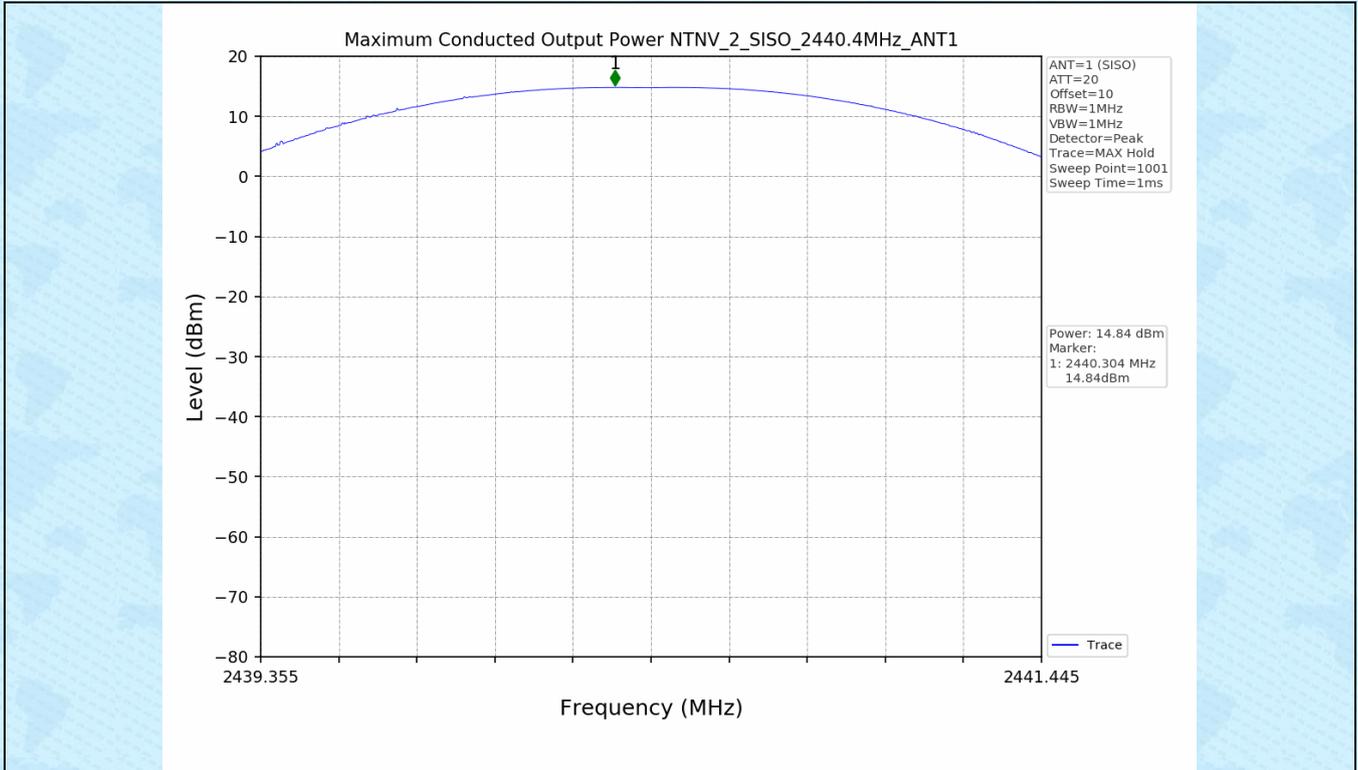
2.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GMSK	2402.15	SISO	14.79	18.95	PASS
	2440.4	SISO	14.84	18.95	PASS
	2479.85	SISO	13.78	18.95	PASS

Antenna gain: 8.02dBi

2.2 Test Graph



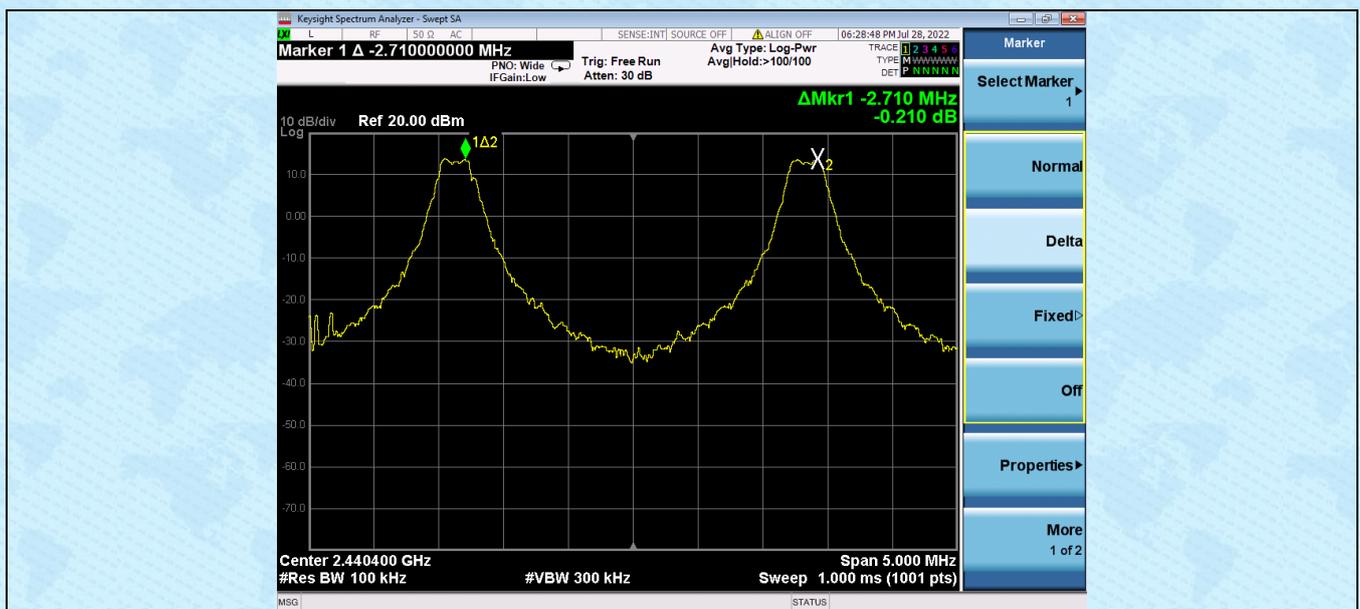
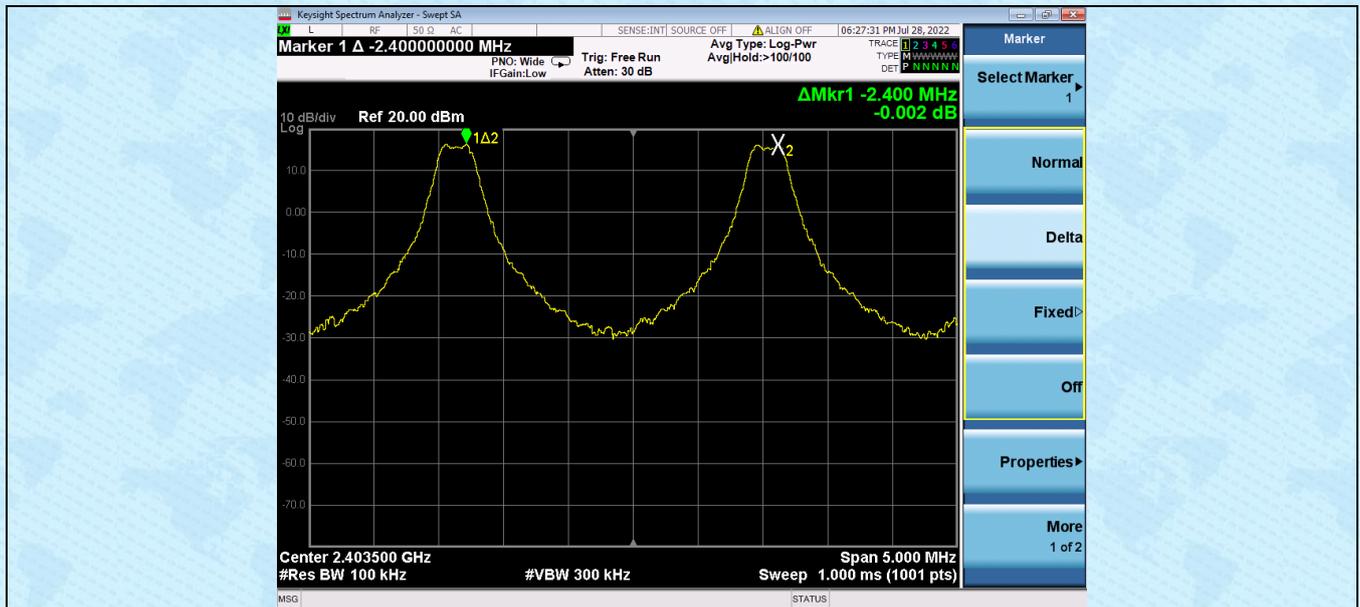


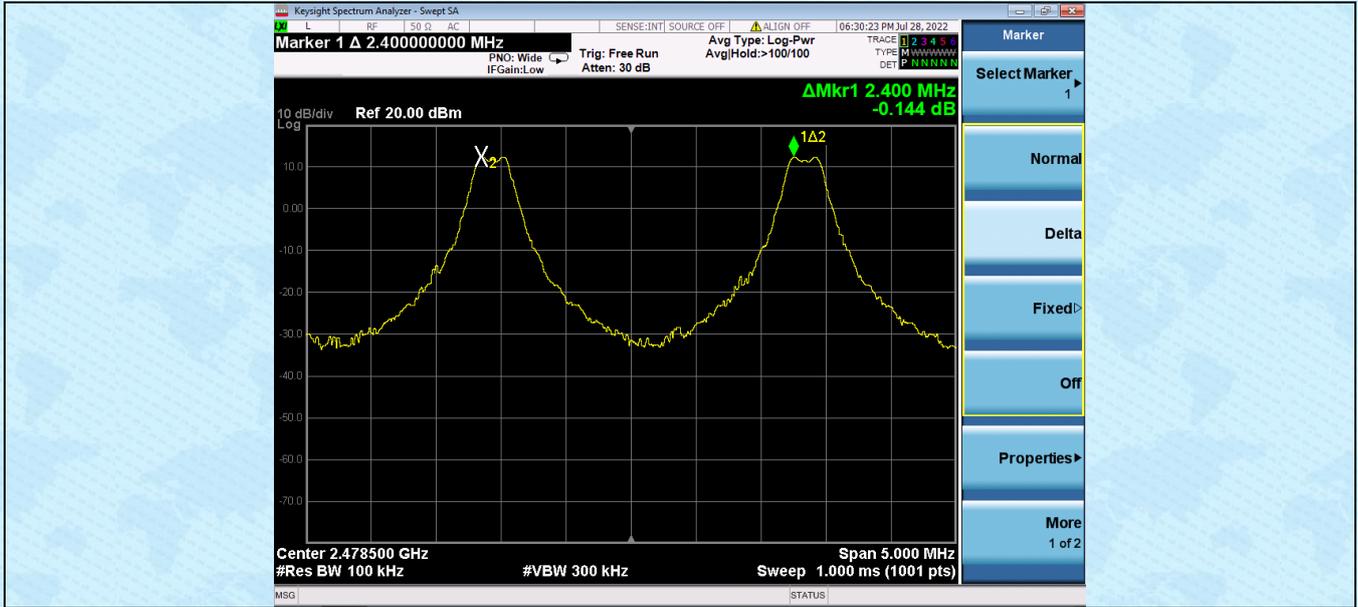
3. Carrier frequency separation

3.1 Test Result

ANT No.	Test channel	Carrier Frequencies Separation (kHz)	Limit (kHz)	Result
1	Lowest	2400	280	Pass
	Middle	2710	279	Pass
	Highest	2400	272	Pass

3.2 Test Graph



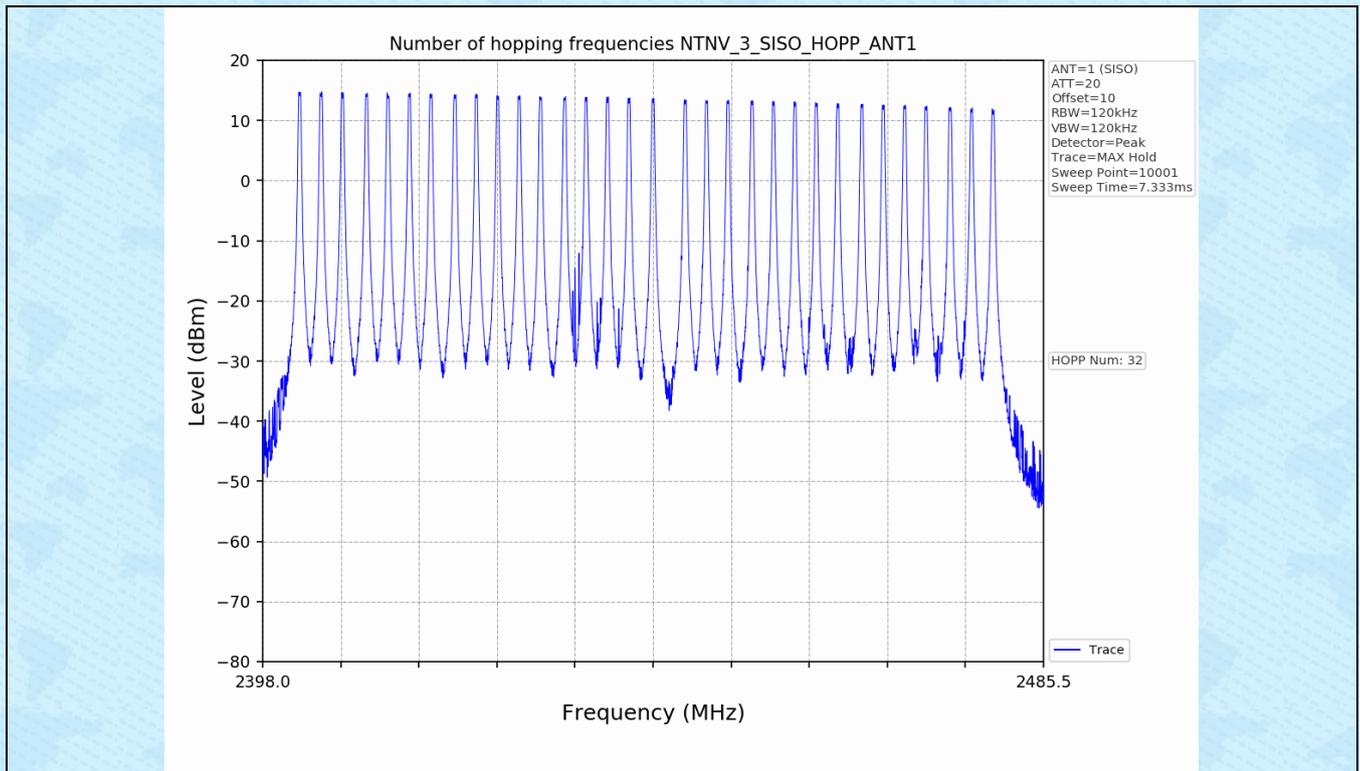


4. Number of hopping frequencies

4.1 Test Result

Test Mode	TX Type	ANT No.	Num of Hopping Frequencies	Limits	Verdict
FHSS	SISO	1	32	≥15	PASS

4.2 Test Graph



5. Time of occupancy (dwell time)

5.1 Test Result

ANT No.	Test channel	Ton (ms)	Dwell time(ms)	Limit(ms)	Result
1	Lowest	2.48	222.21	400	Pass
	Middle	2.50	224.00	400	Pass
	Highest	2.48	222.21	400	Pass

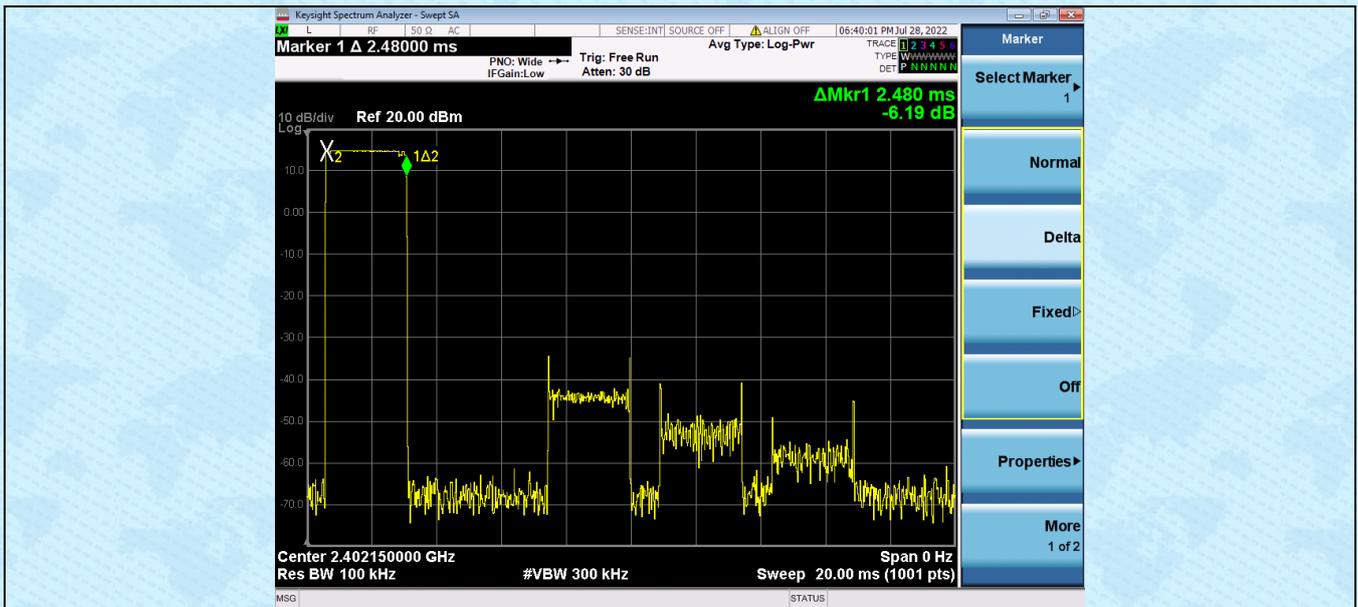
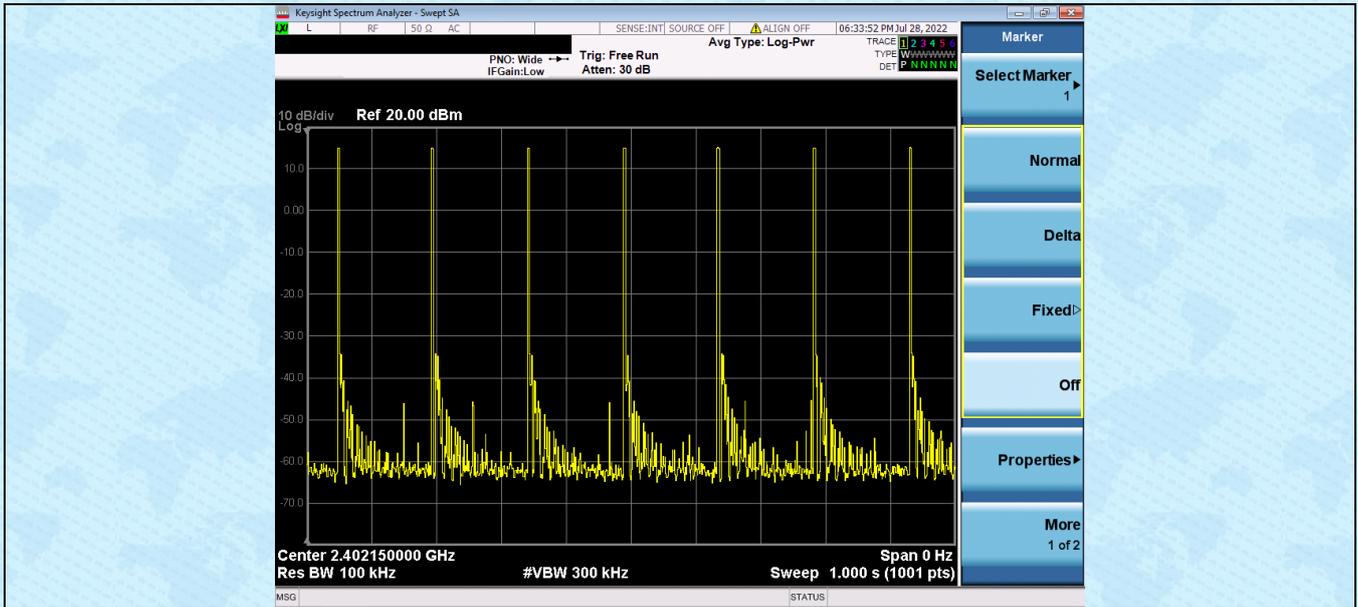
The formula as below:

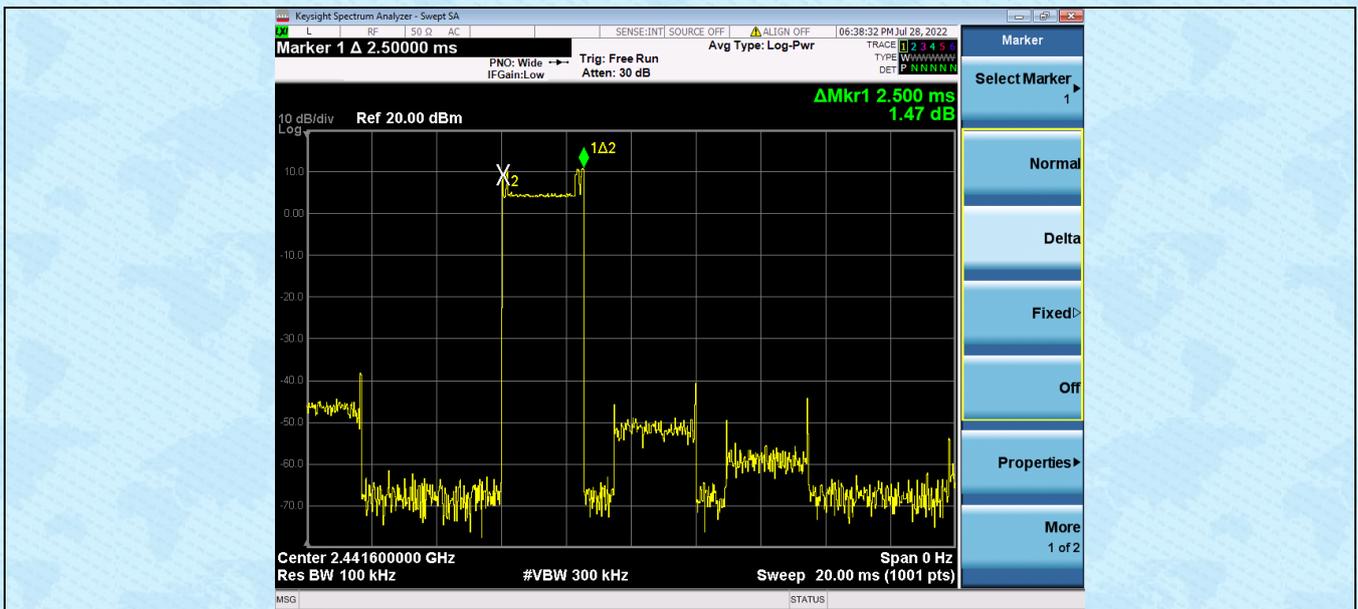
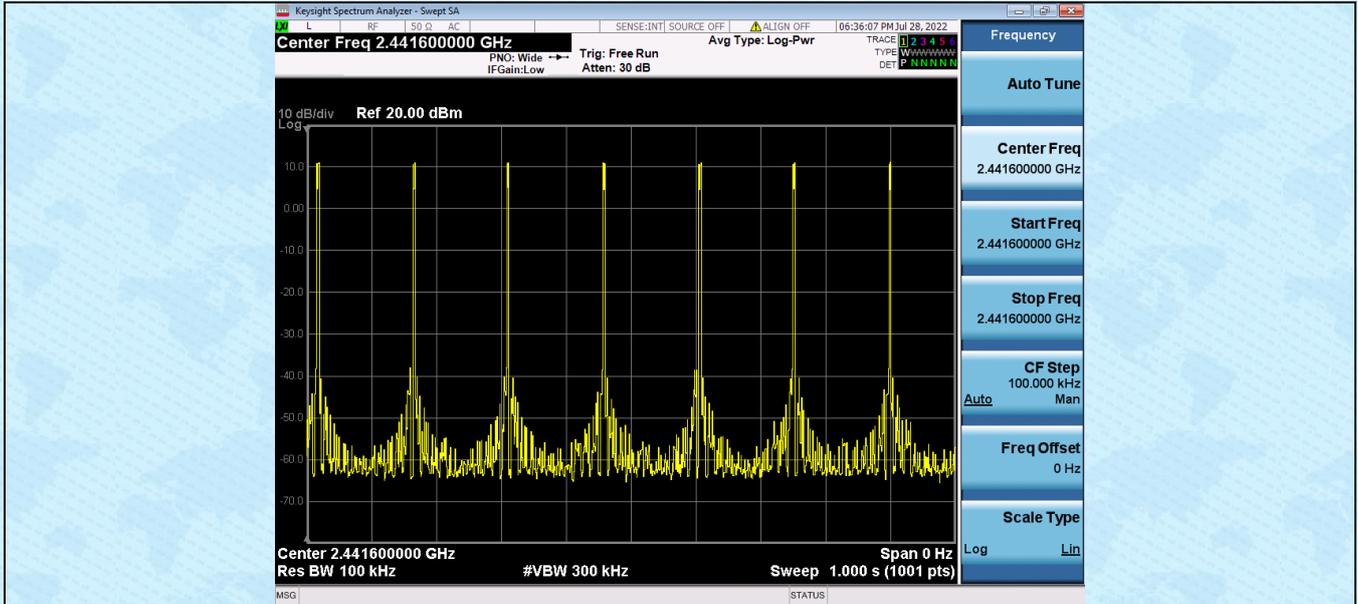
Lowest: Dwell time = Ton * Ton times in 1s * 0.4s * channel numbers=2.48ms*7*0.4*32=222.21ms

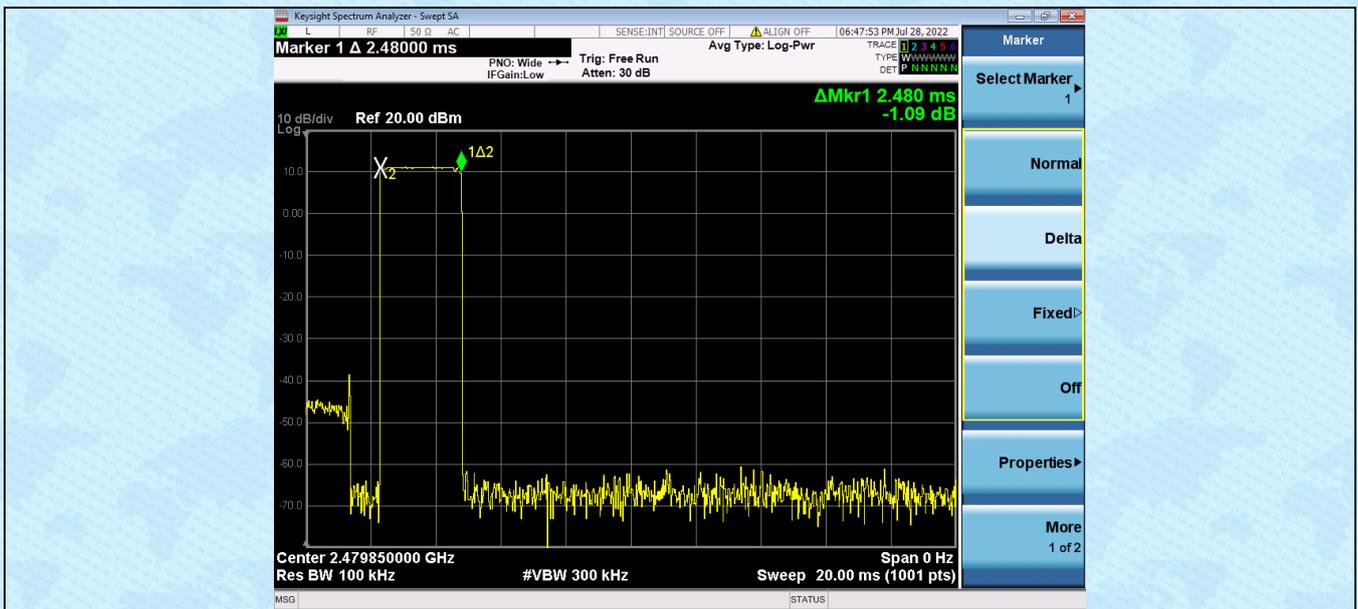
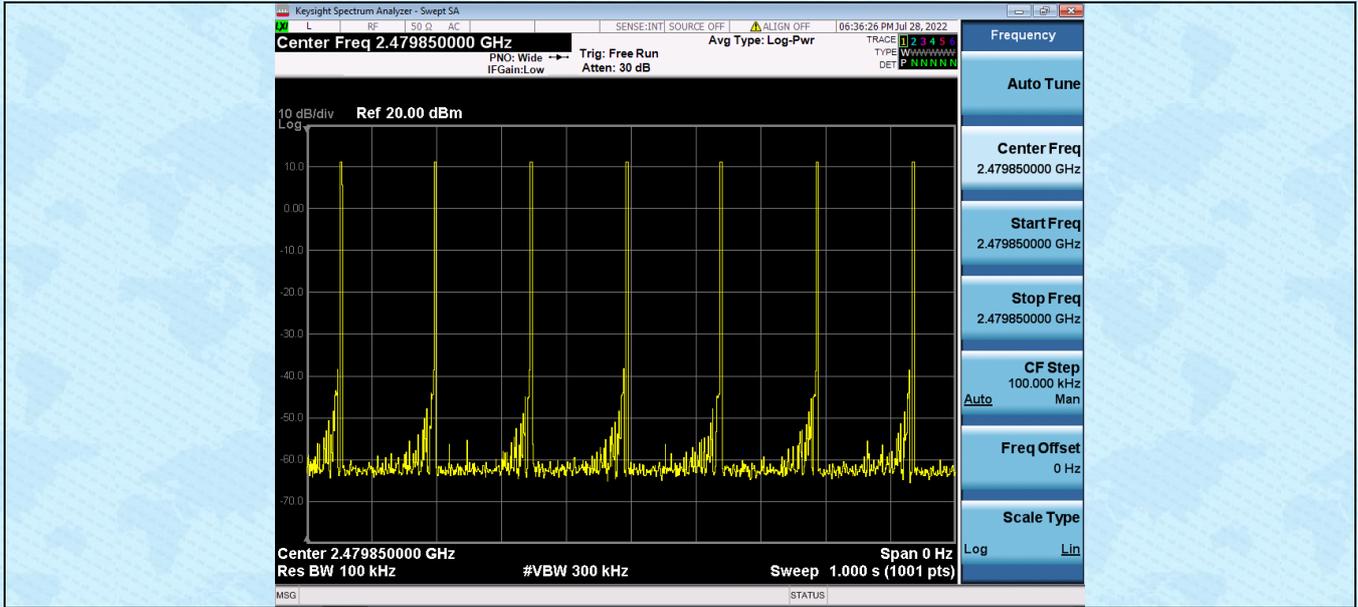
Middle: Dwell time = Ton * Ton times in 1s * 0.4s * channel numbers=2.50ms*7*0.4*32=224.00ms

Highest: Dwell time = Ton * Ton times in 1s * 0.4s * channel numbers=2.48ms*7*0.4*32=222.21ms

5.2 Test Graph





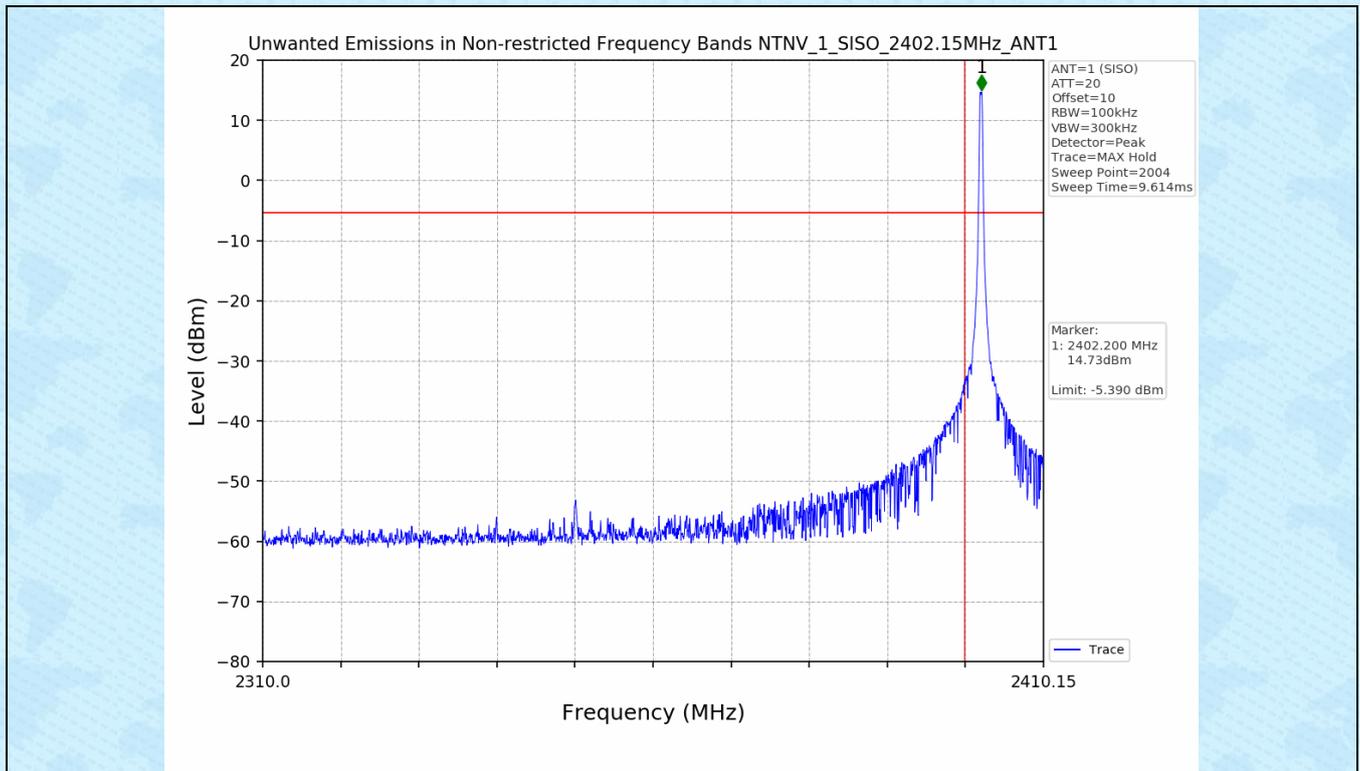


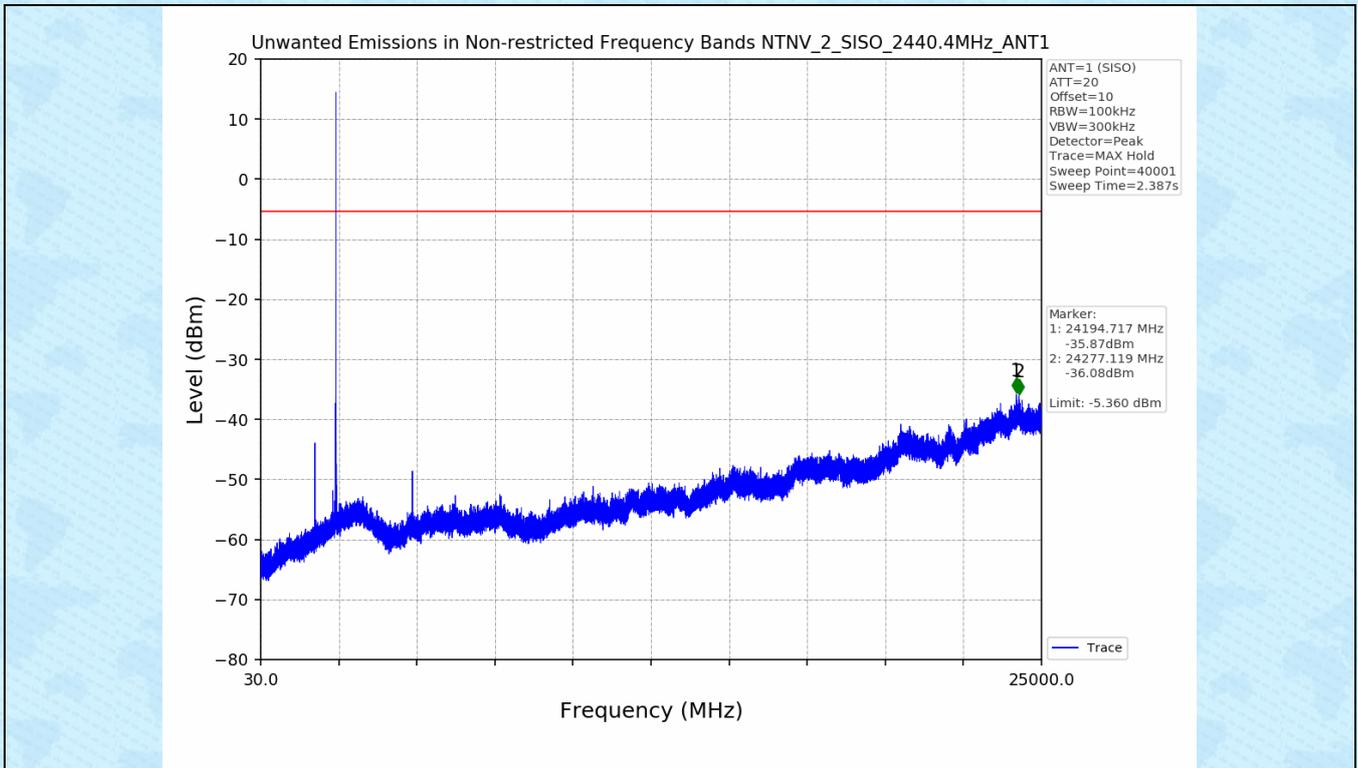
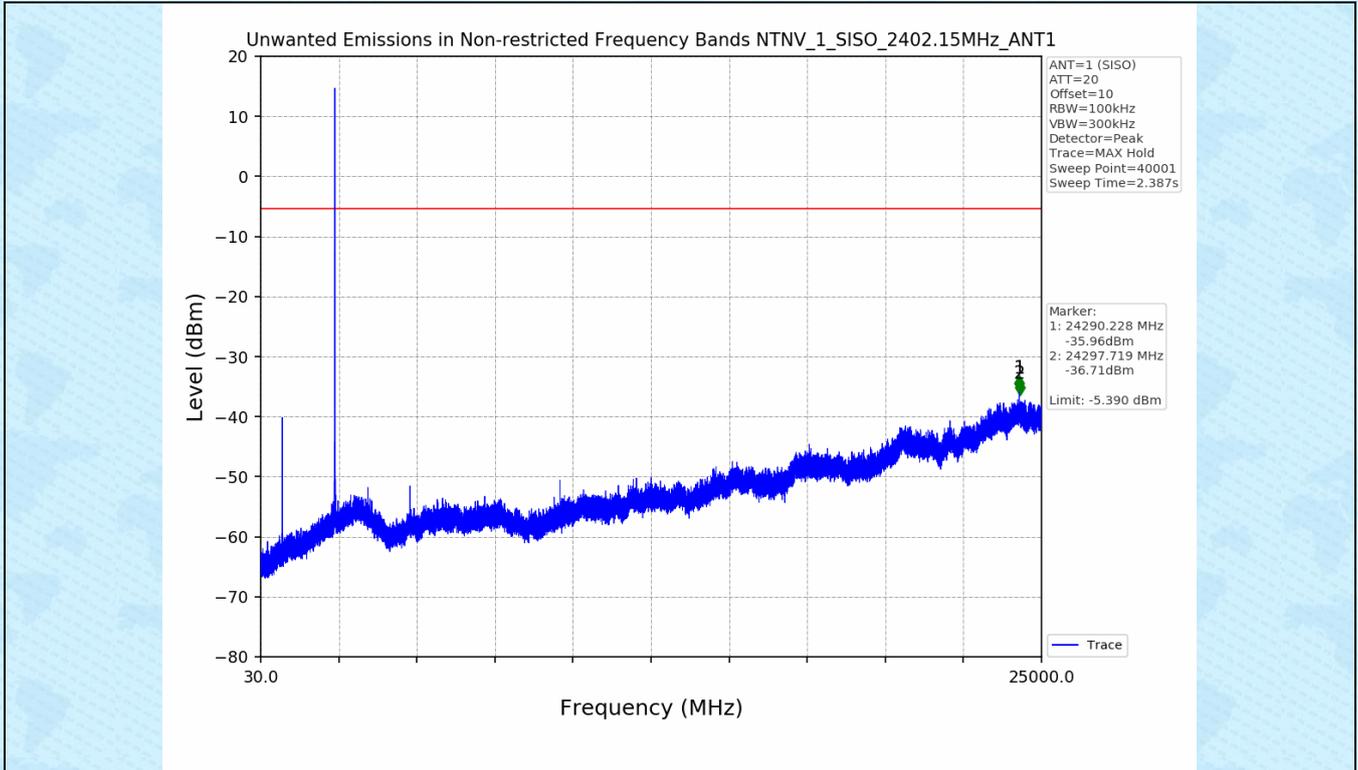
6. Unwanted Emissions in Non-restricted Frequency Bands

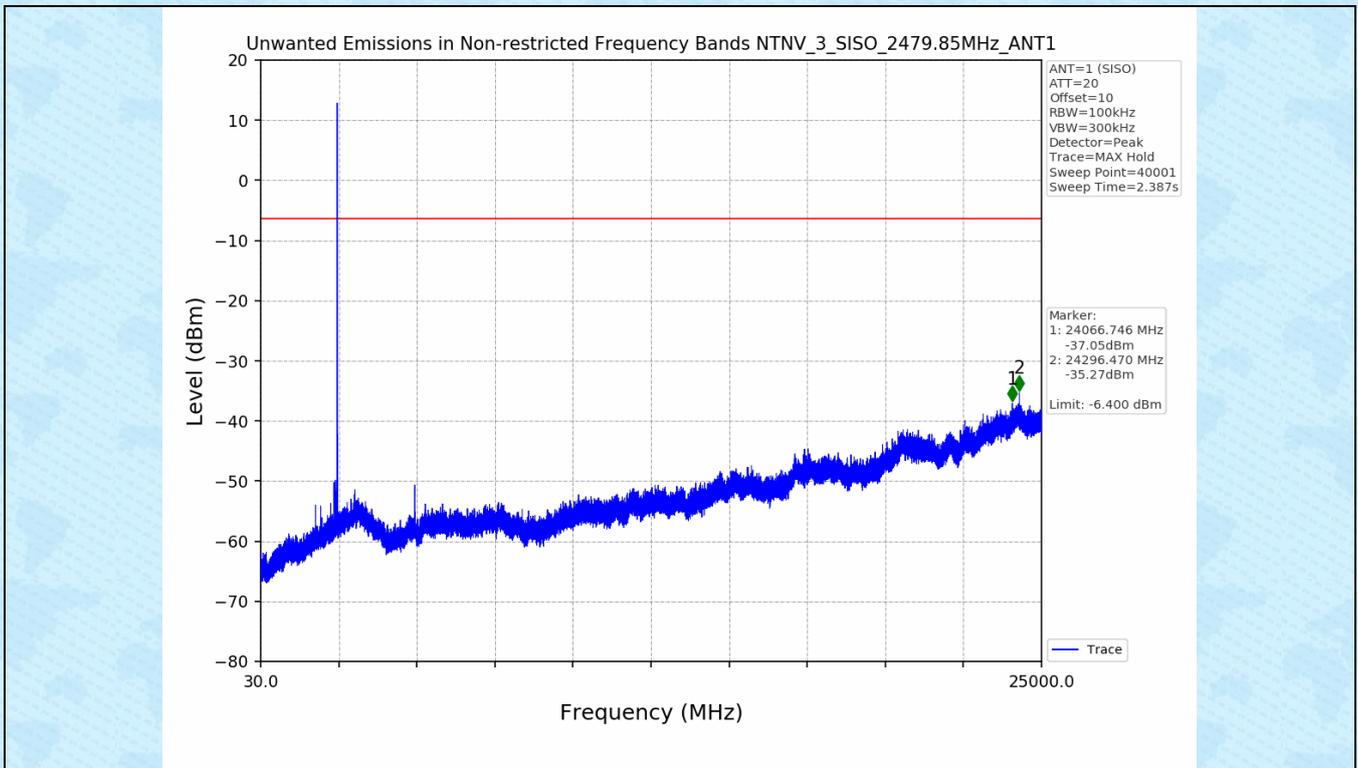
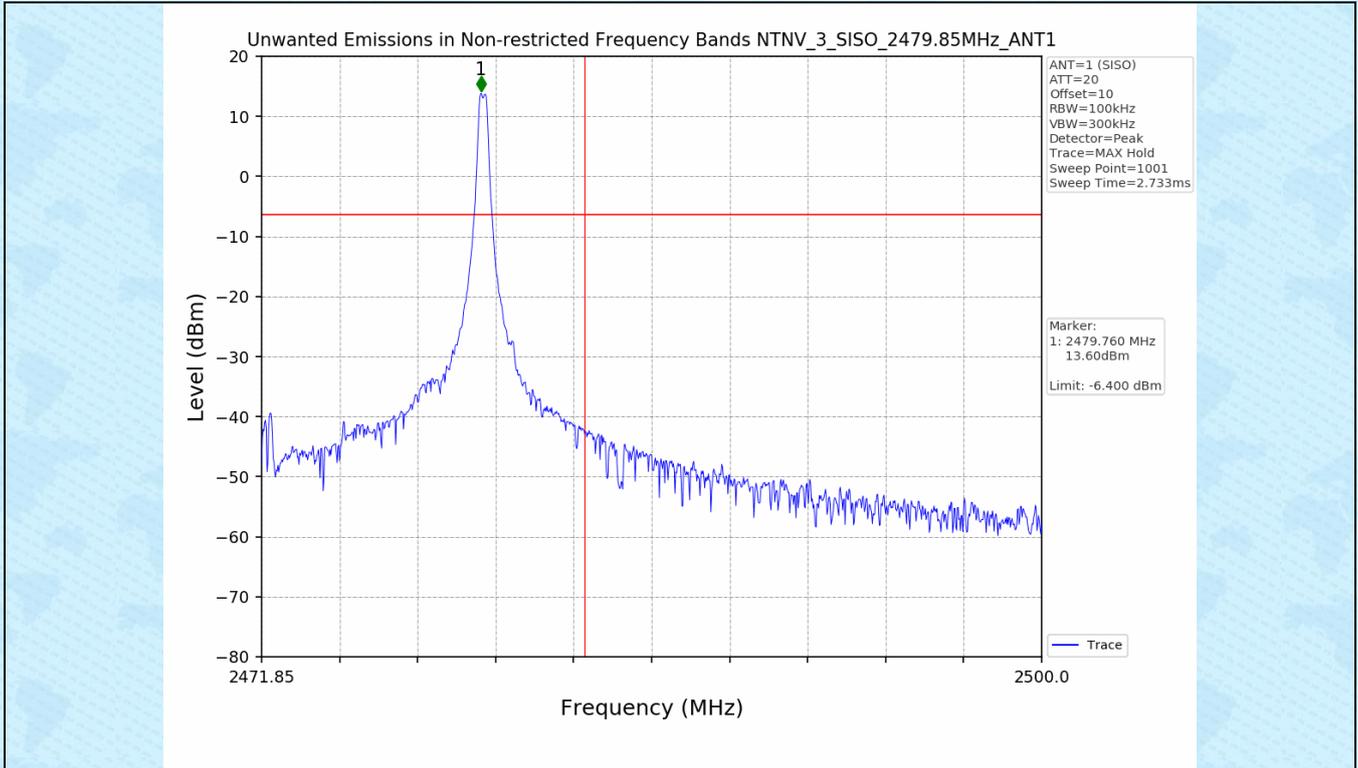
6.1 Test Result

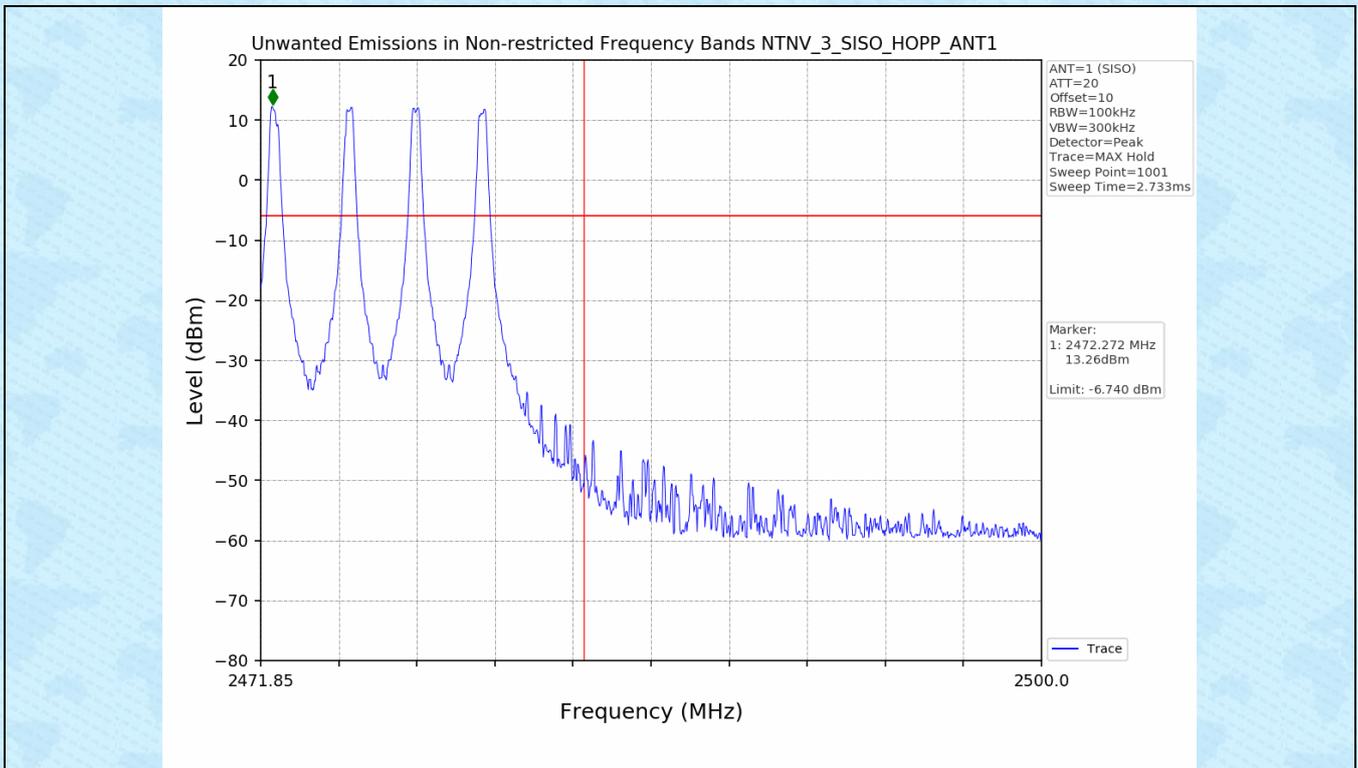
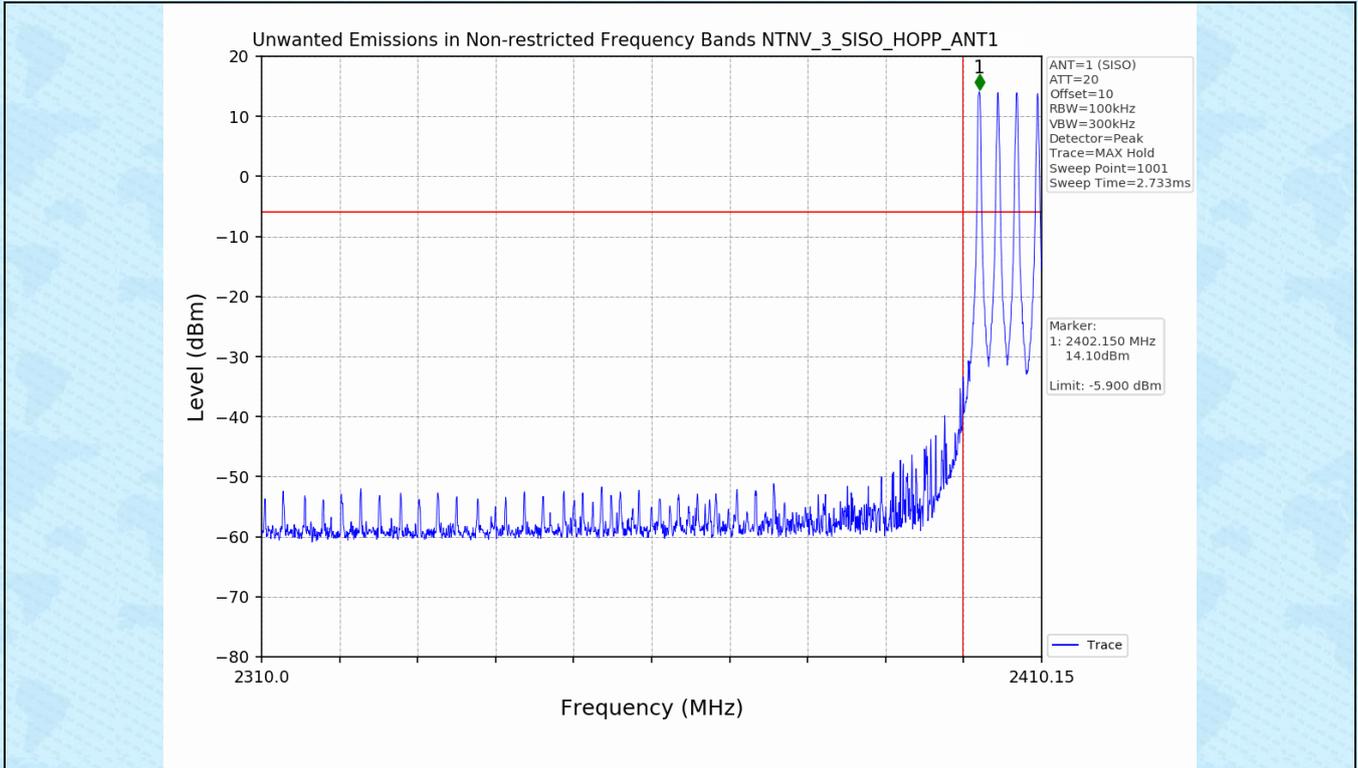
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
FHSS	2402.15	SISO	1	Refer to test graph	-5.39	PASS
	2440.4	SISO	1	Refer to test graph	-5.36	PASS
	2479.85	SISO	1	Refer to test graph	-6.40	PASS
	Hopping	SISO	1	Refer to test graph	-5.90	PASS

6.2 Test Graph









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