

Appendix for 15.247

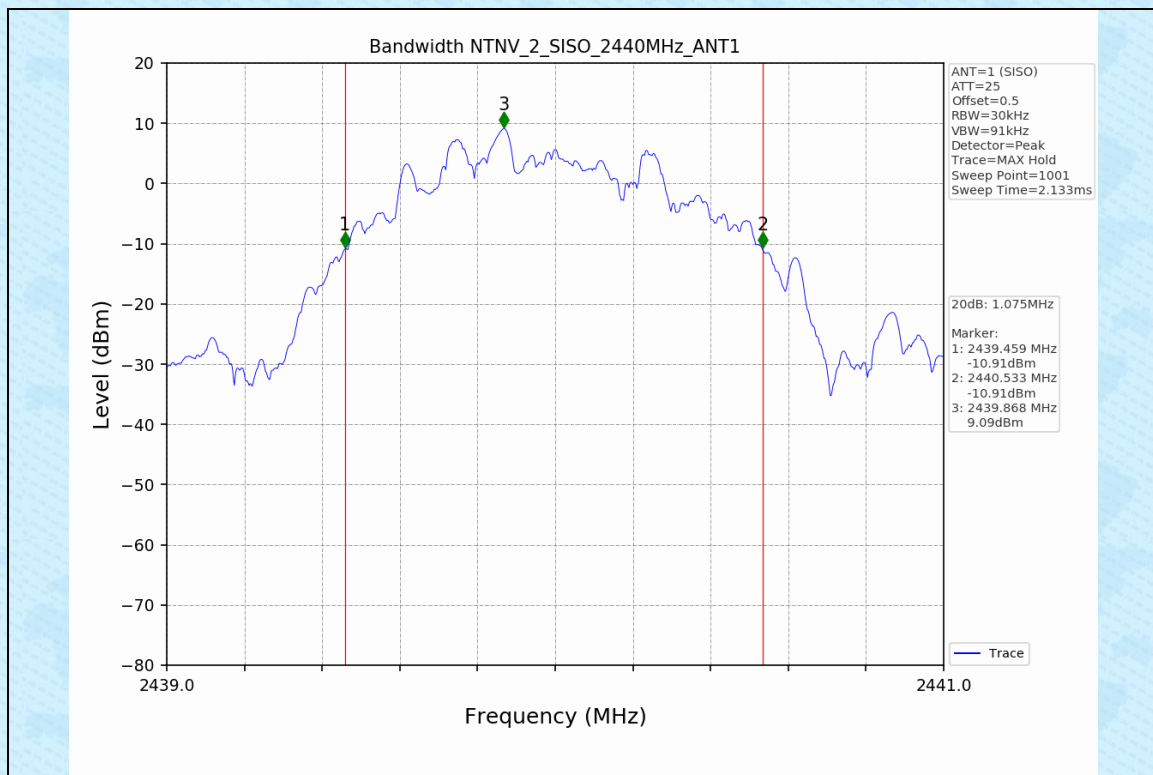
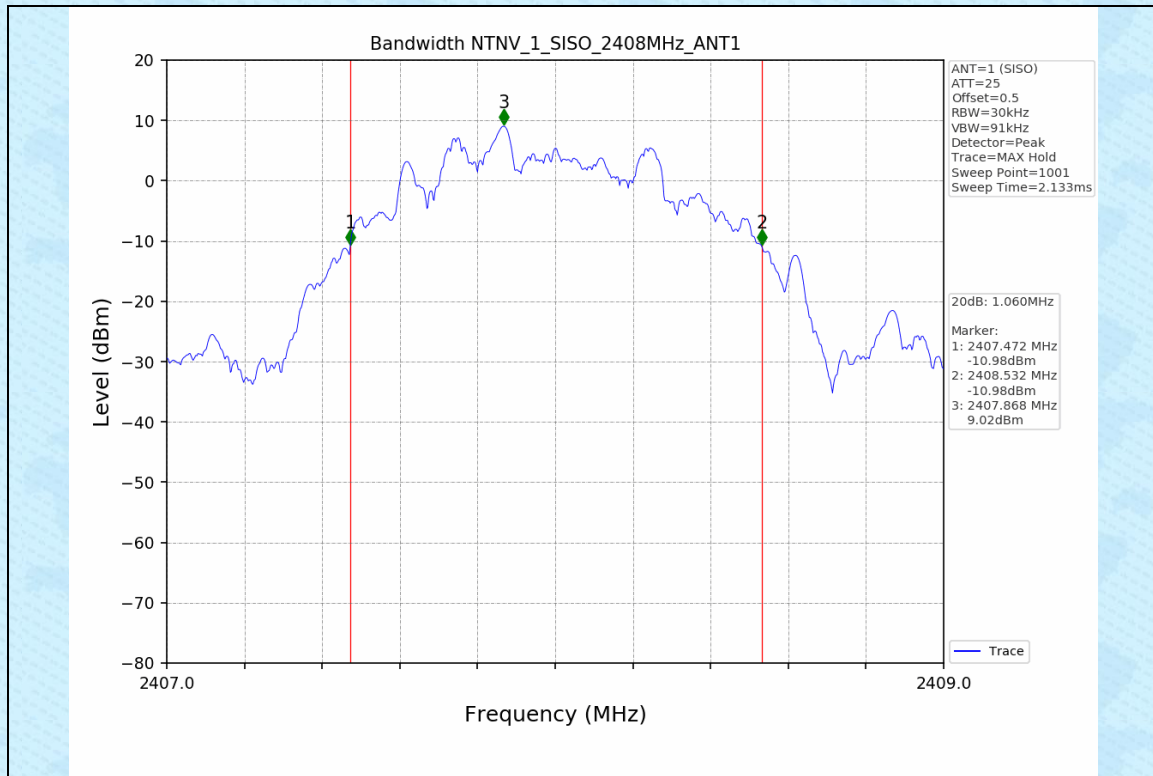
1. Bandwidth

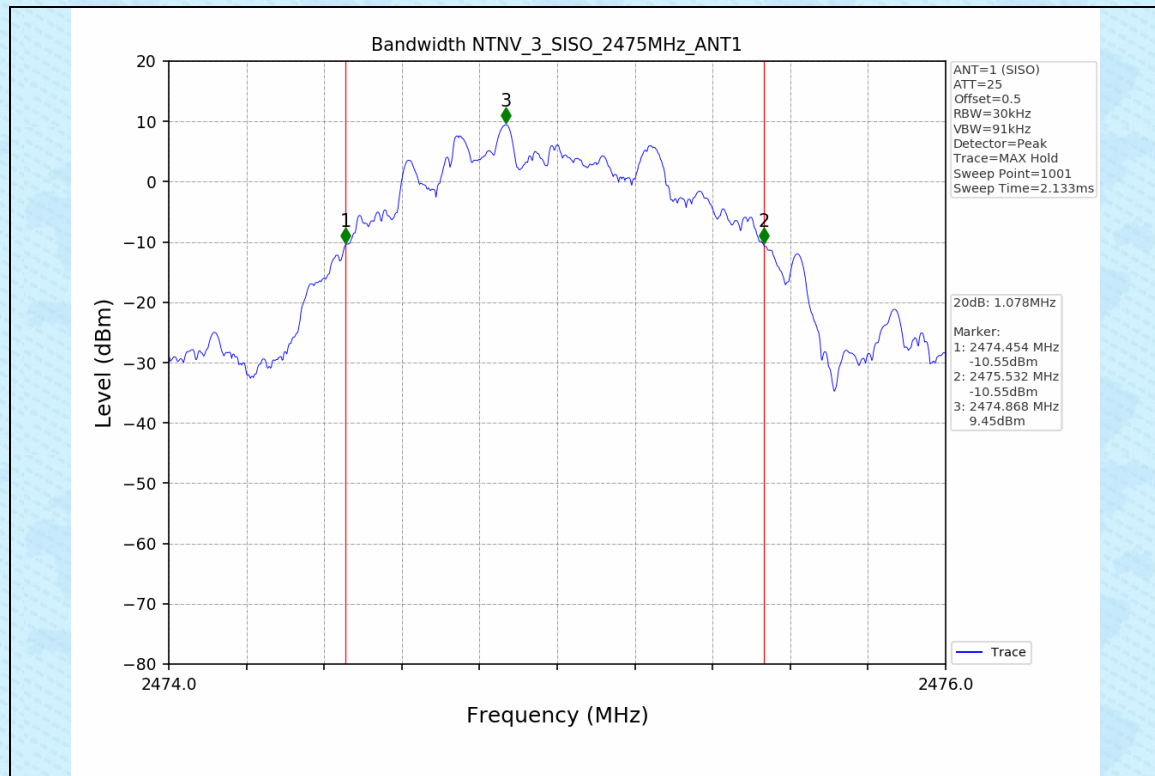
1.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2408	SISO	1	1.060	PASS
	2440	SISO	1	1.075	PASS
	2475	SISO	1	1.078	PASS

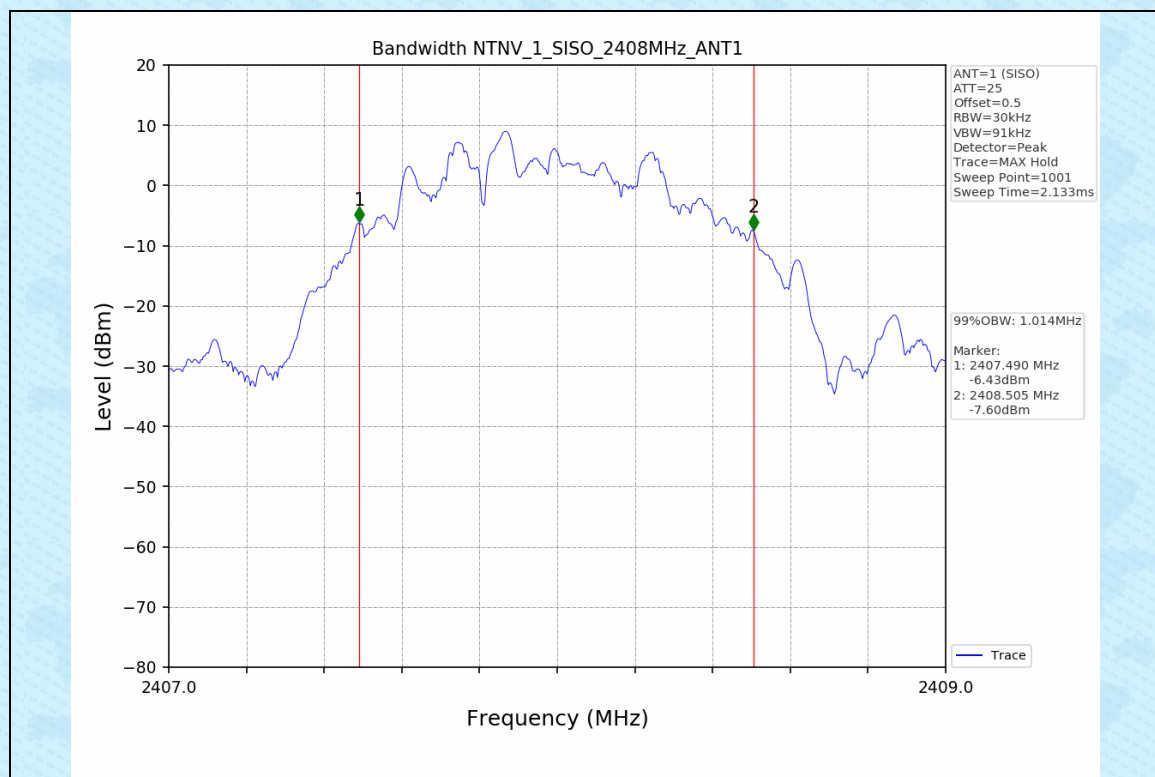
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2408	SISO	1	1.014	Only for Report Use
	2440	SISO	1	1.007	Only for Report Use
	2475	SISO	1	1.012	Only for Report Use

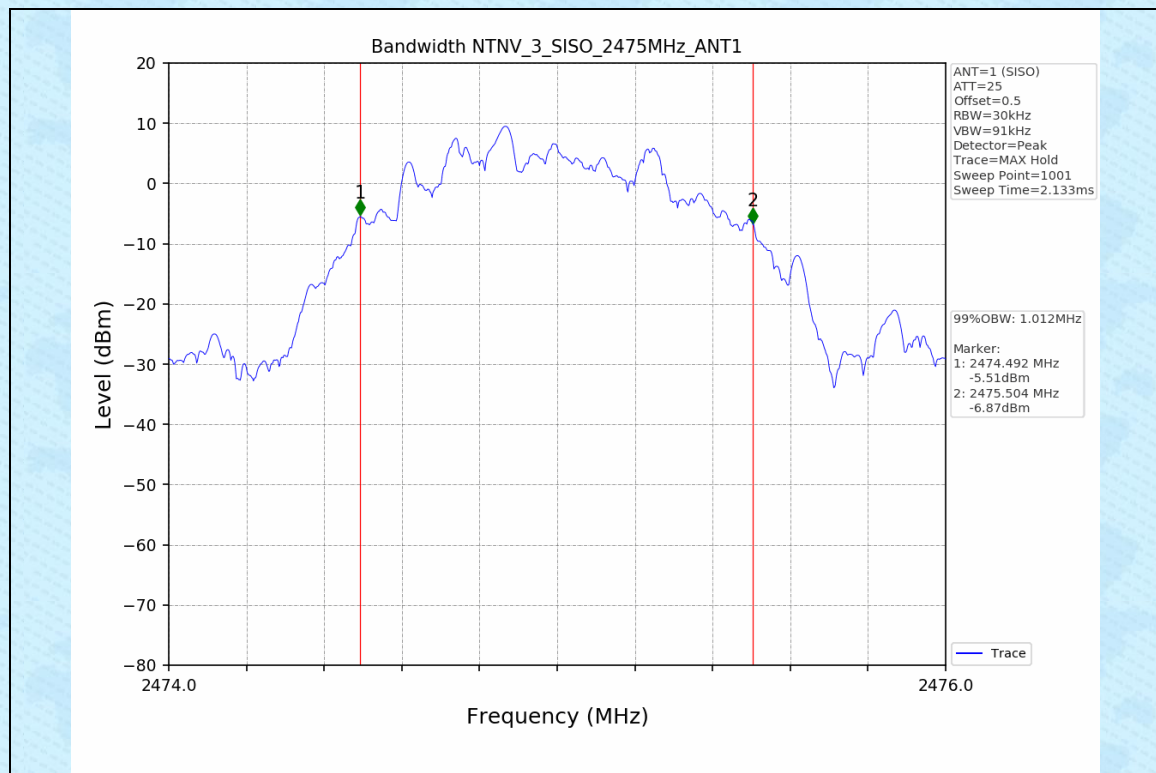
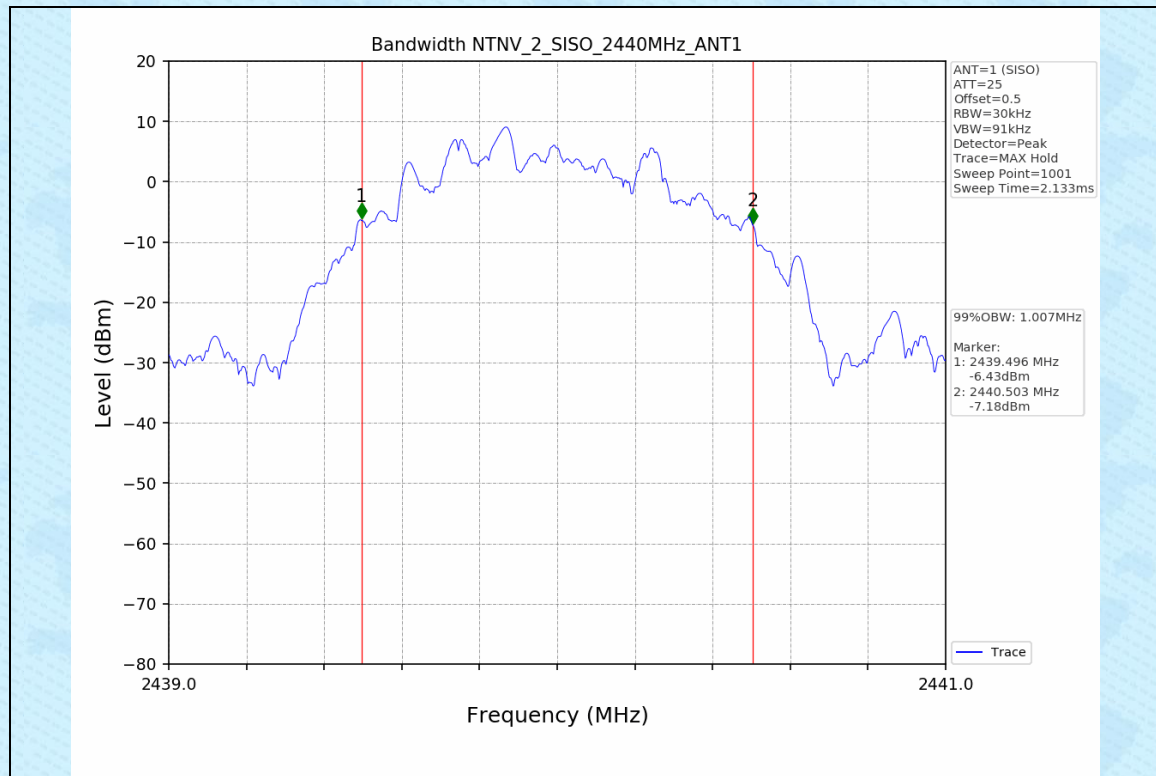
1.2 Test Graph - 20dB Bandwidth





1.3 Test Graph - 99% Occupied Bandwidth



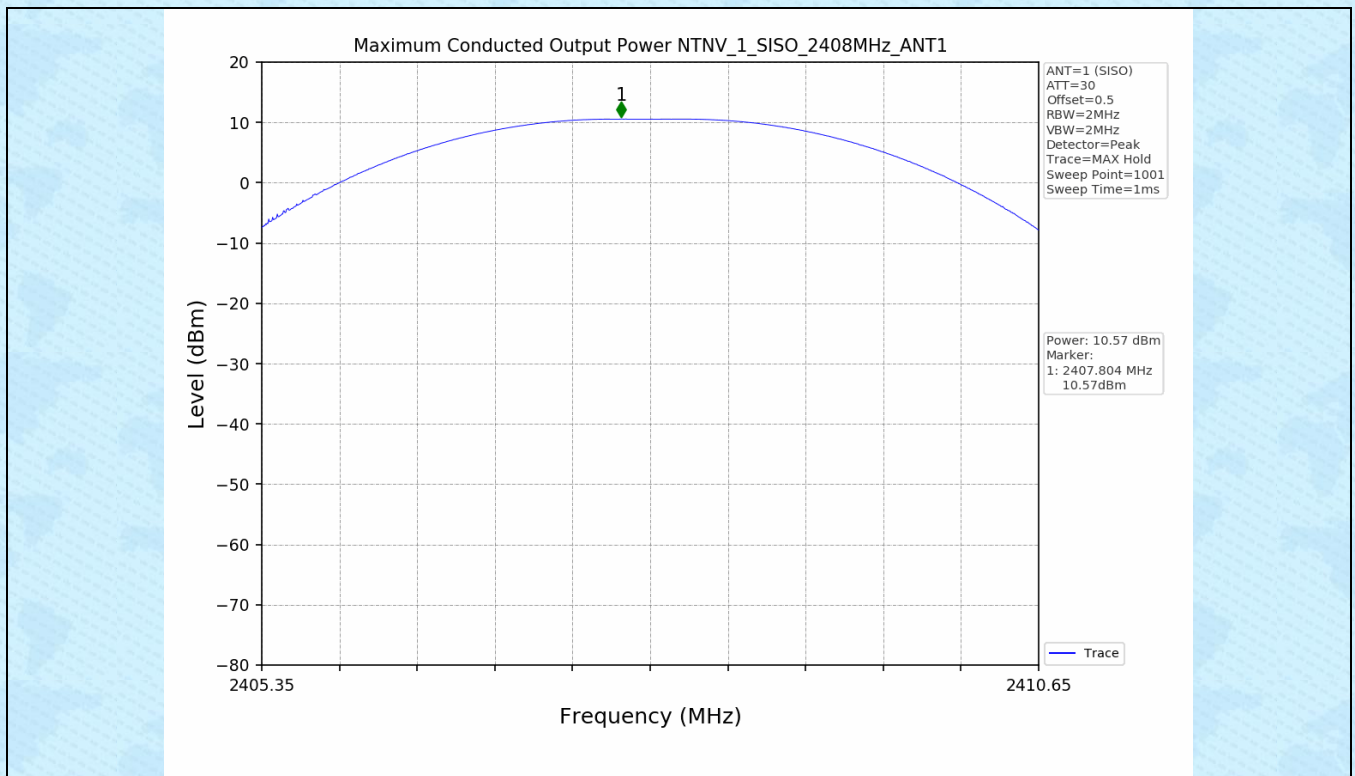


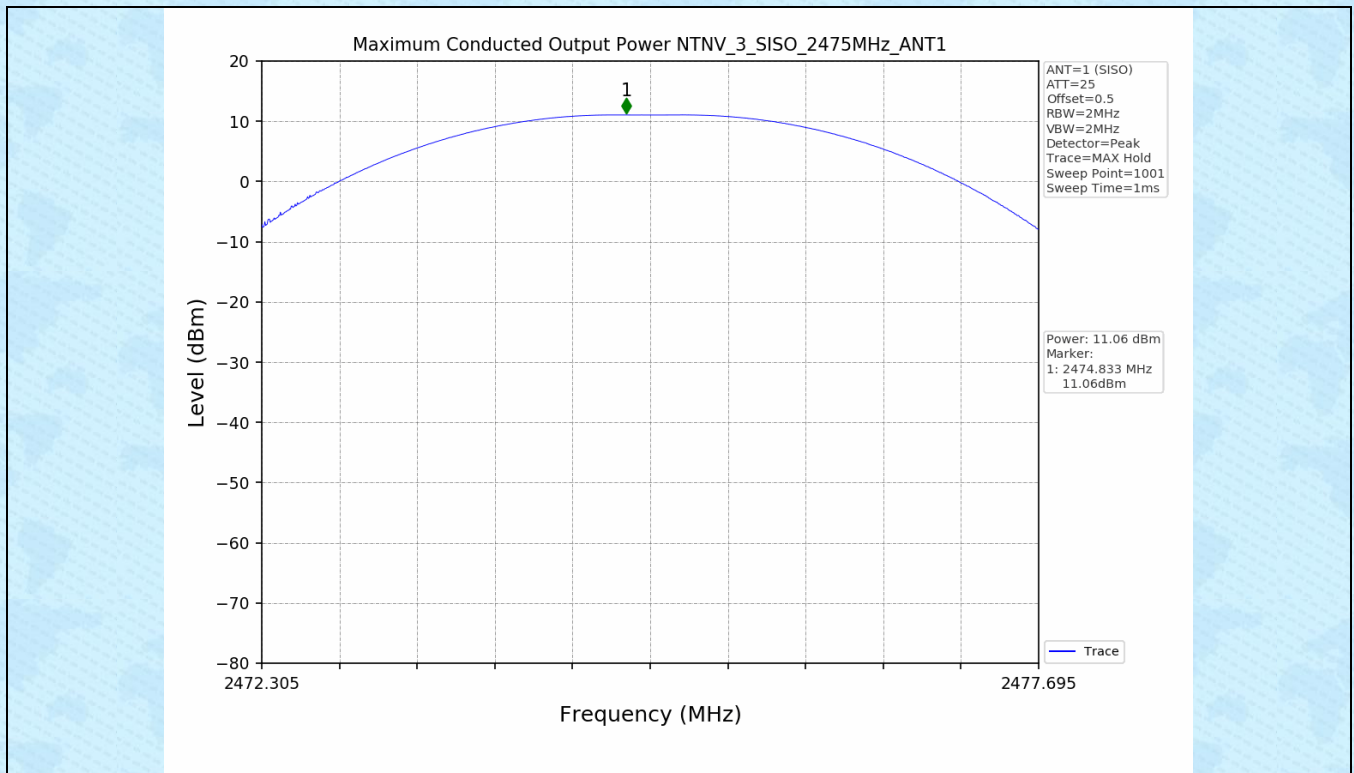
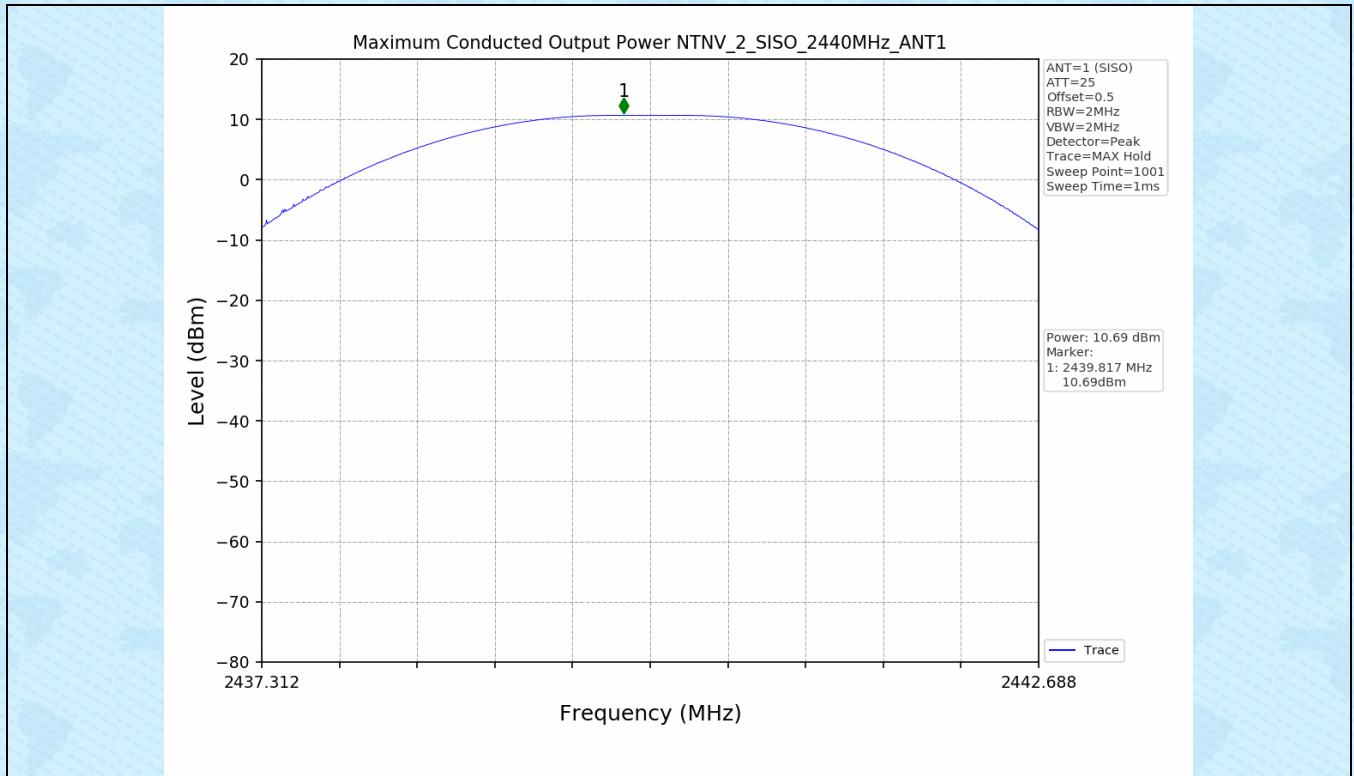
2. Maximum Conducted Output Power

2.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2408	SISO	10.57	20.97	PASS
	2440	SISO	10.69	20.97	PASS
	2475	SISO	11.06	20.97	PASS

2.2 Test Graph



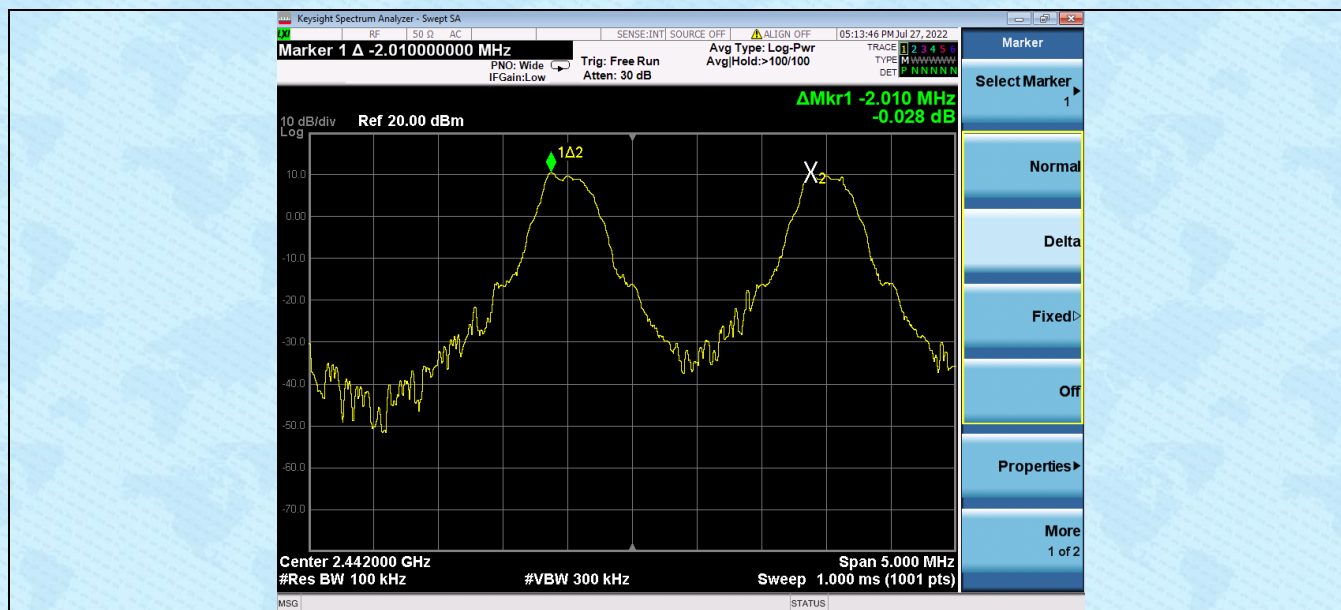
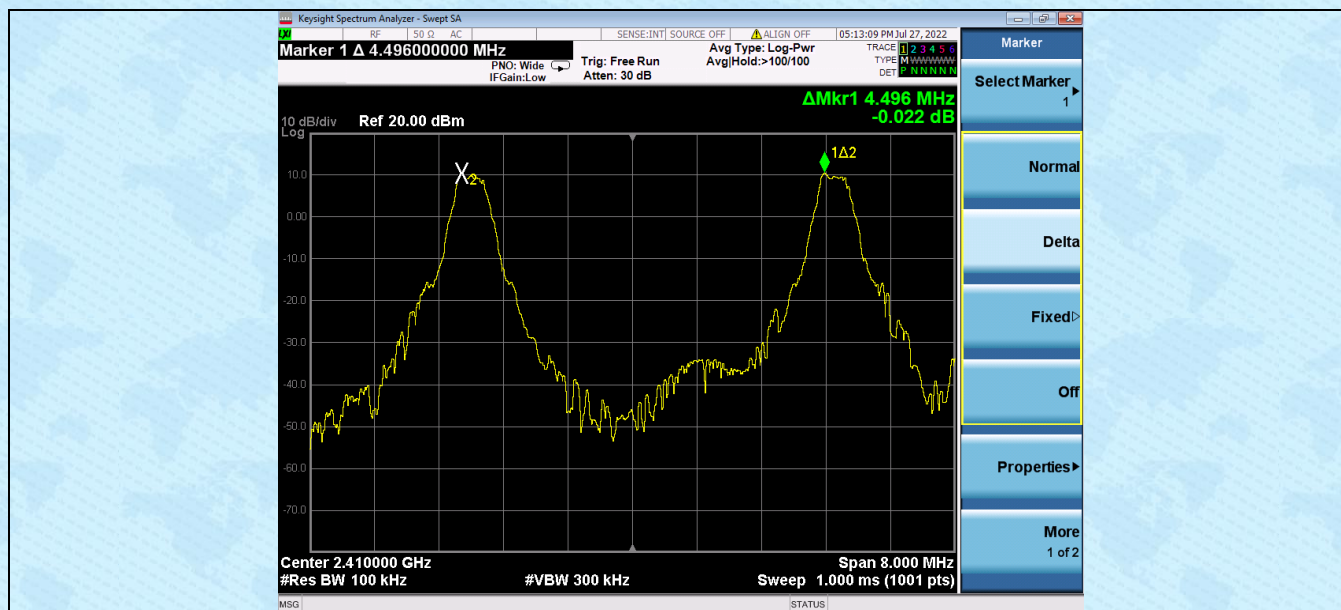


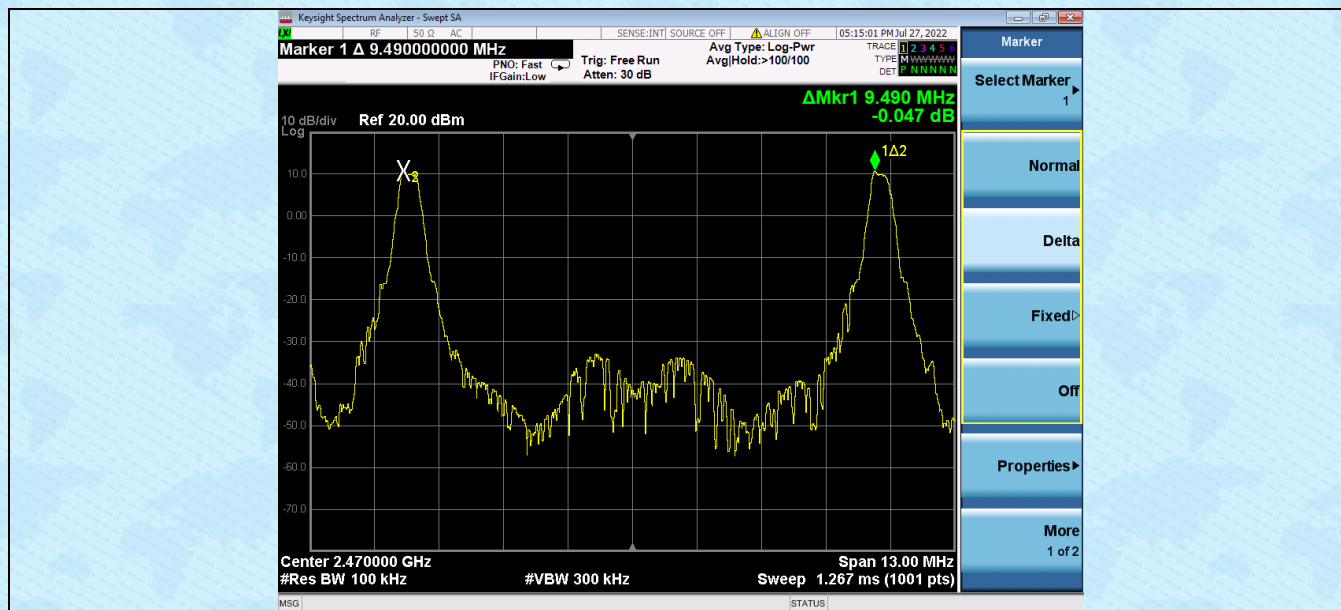
3. Carrier frequency separation

3.1 Test Result

ANT No.	Test channel	Carrier Frequencies Separation (kHz)	Limit (kHz)	Result
1	Lowest	4496	707	Pass
	Middle	2010	717	Pass
	Highest	9490	719	Pass

3.2 Test Graph



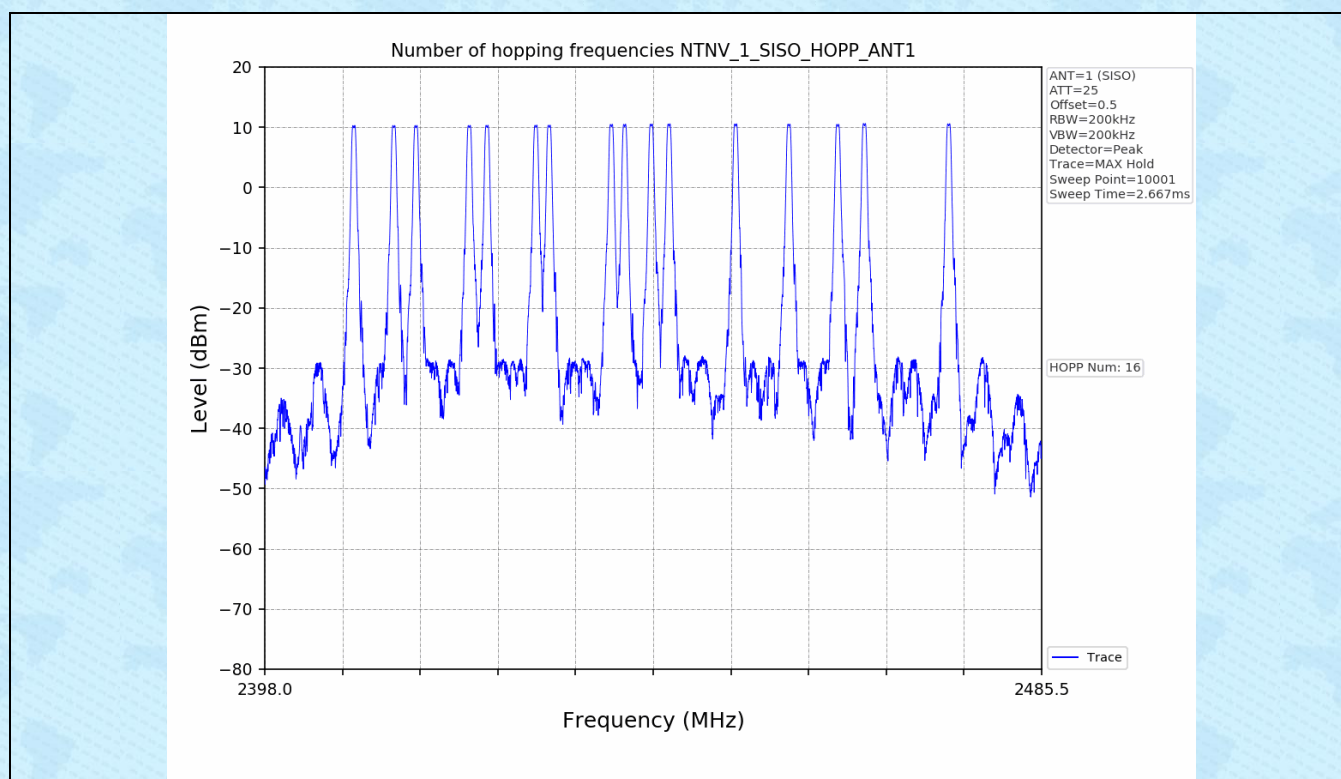


4. Number of hopping frequencies

4.1 Test Result

Test Mode	TX Type	ANT No.	Num of Hopping Frequencies	Limits	Verdict
1	SISO	1	16	≥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	0.78	99.84	400	Pass
	Middle	0.76	97.28	400	Pass
	Highest	0.78	99.84	400	Pass

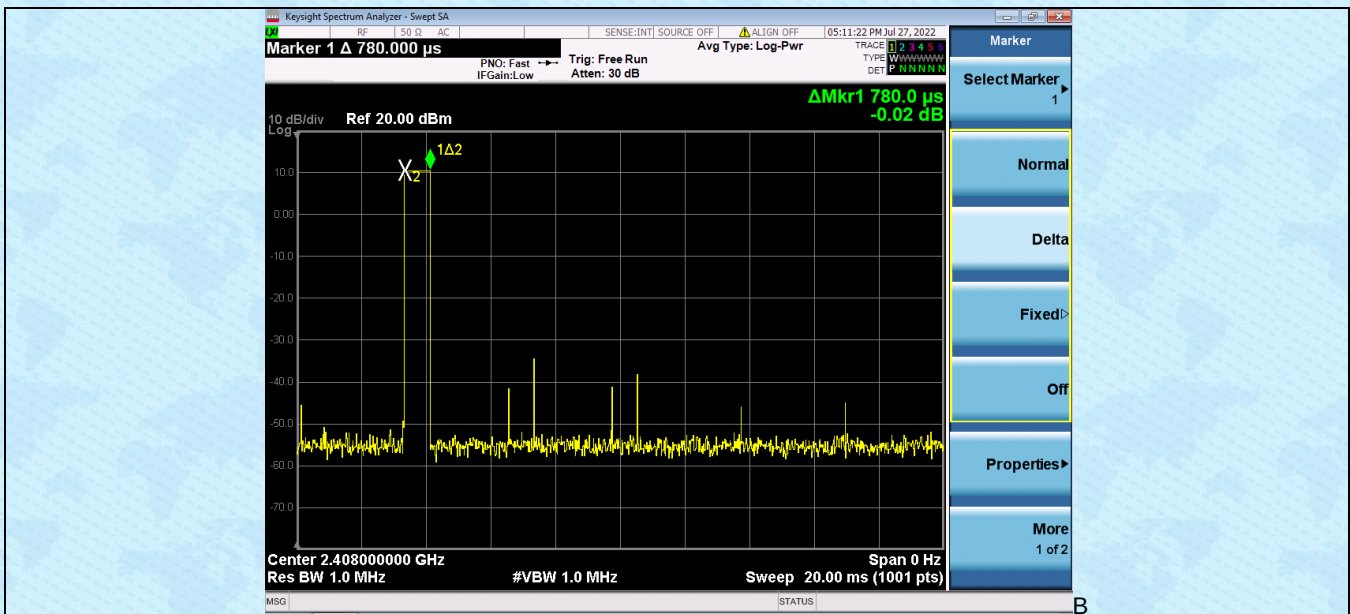
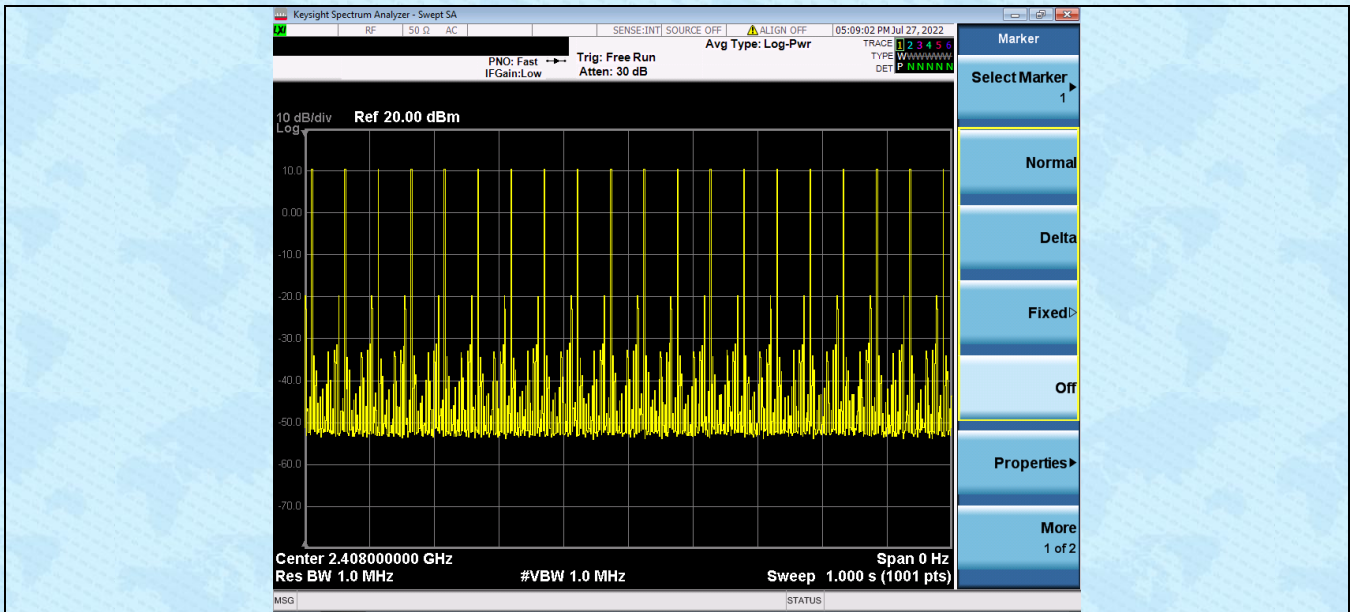
The formula as below:

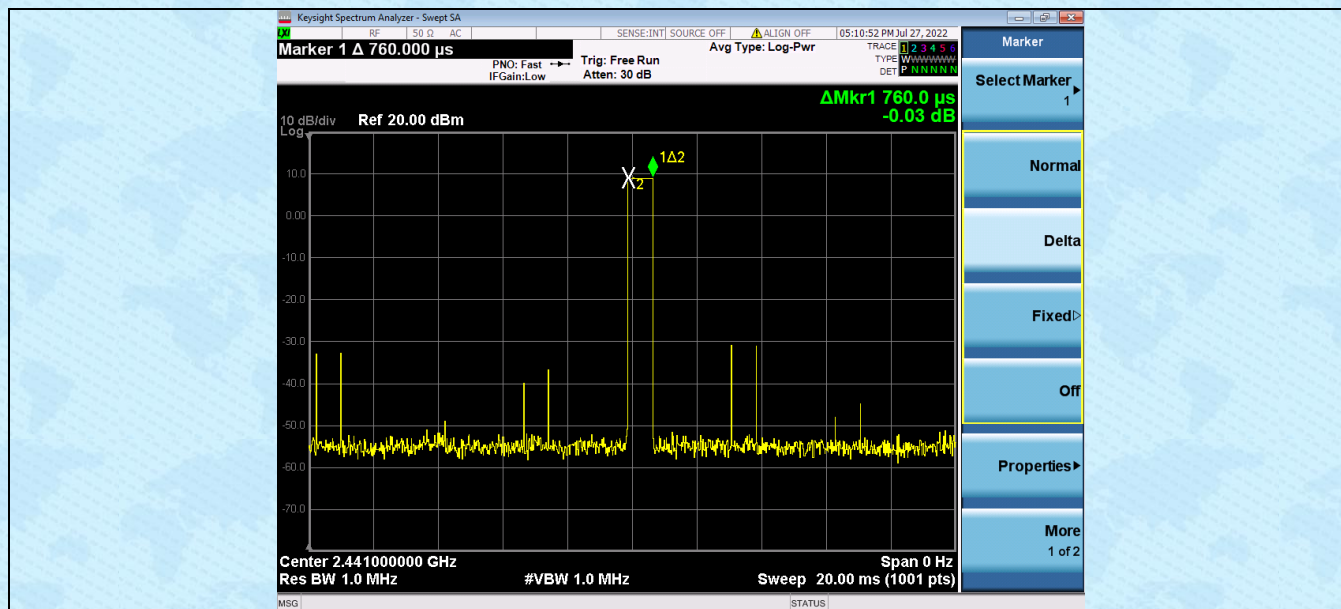
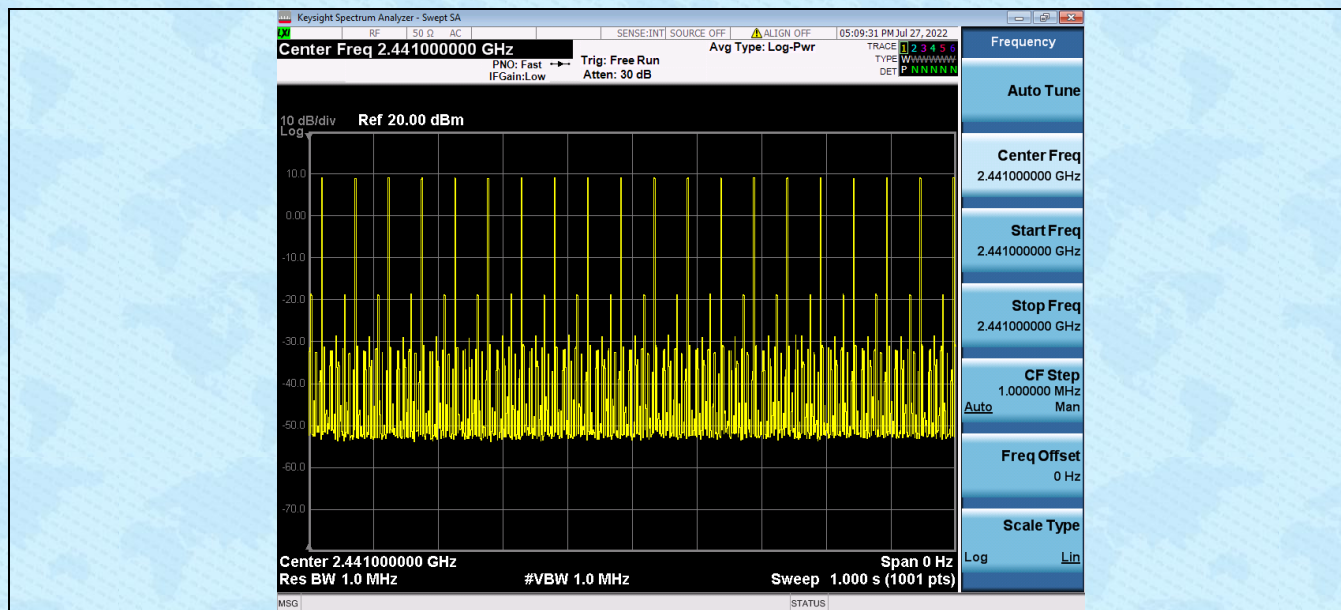
Lowest: Dwell time = Ton * Ton times in 1s * 0.4s * channel numbers=0.78ms*20*0.4*16=99.84ms

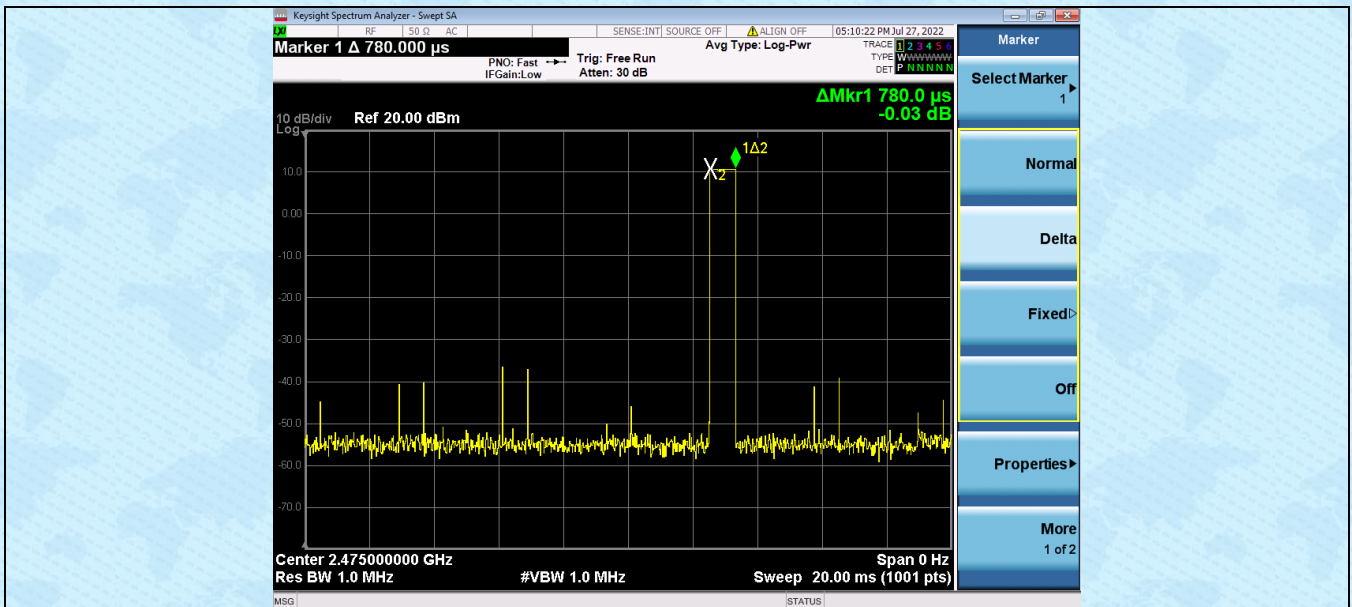
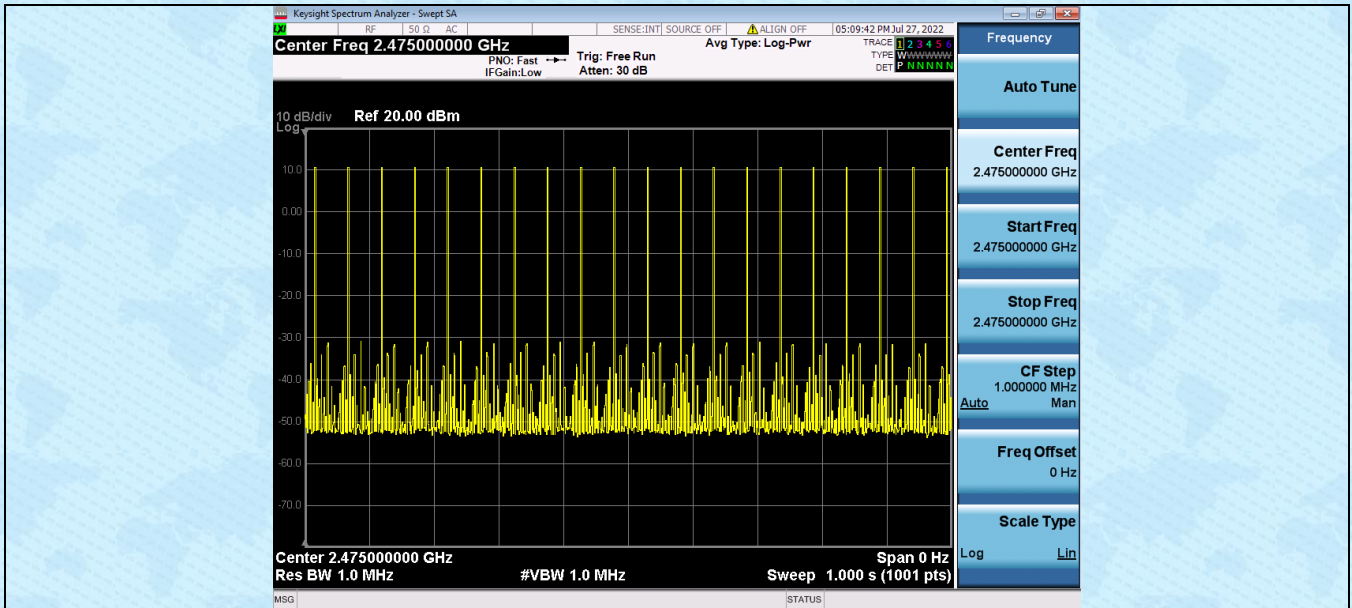
Middle: Dwell time = Ton * Ton times in 1s * 0.4s * channel numbers=0.76ms*20*0.4*16=97.28ms

Highest: Dwell time = Ton * Ton times in 1s * 0.4s * channel numbers=0.78ms*20*0.4*16=99.84ms

5.2 Test Graph





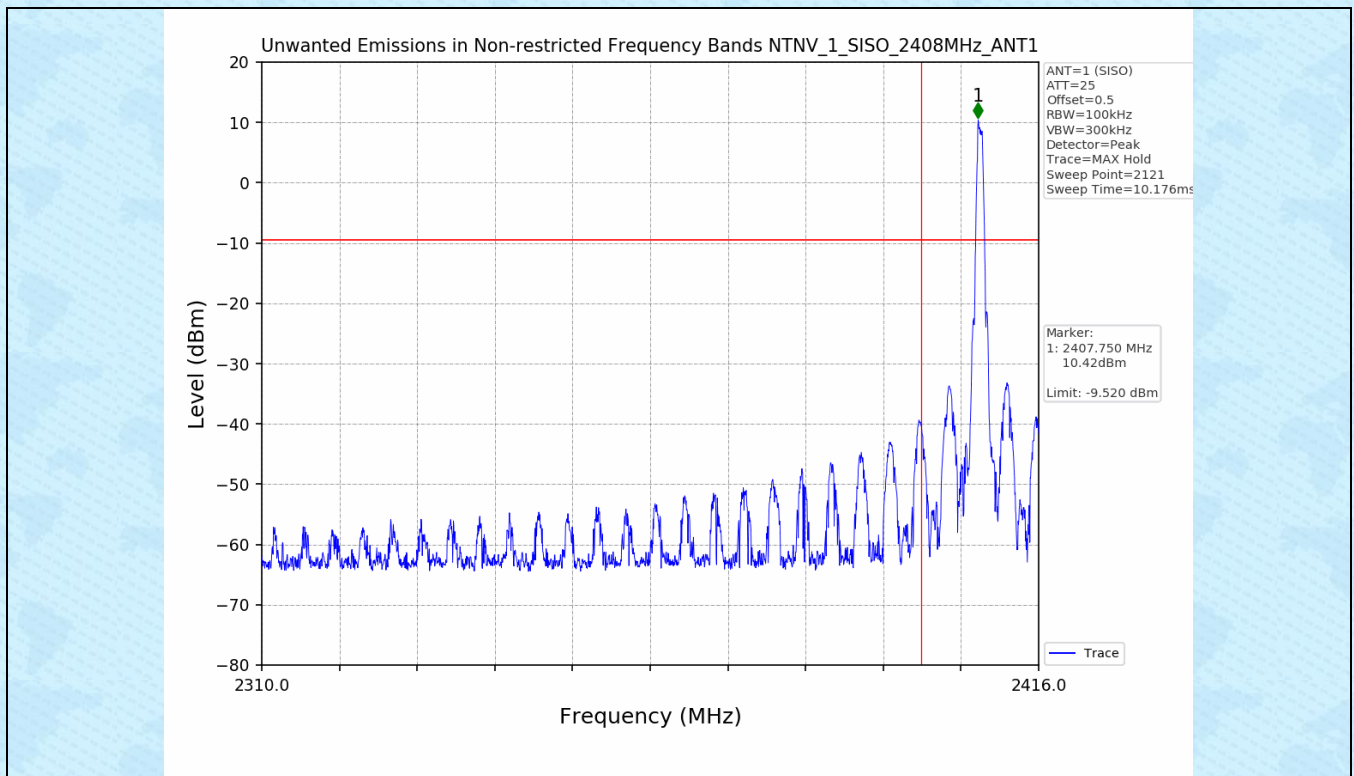


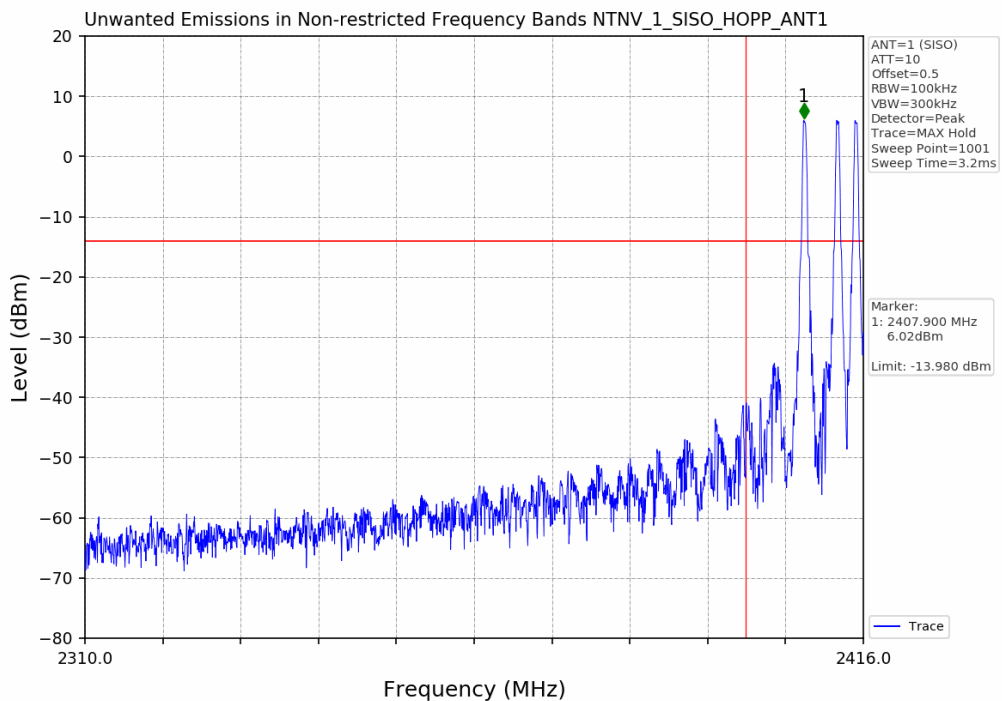
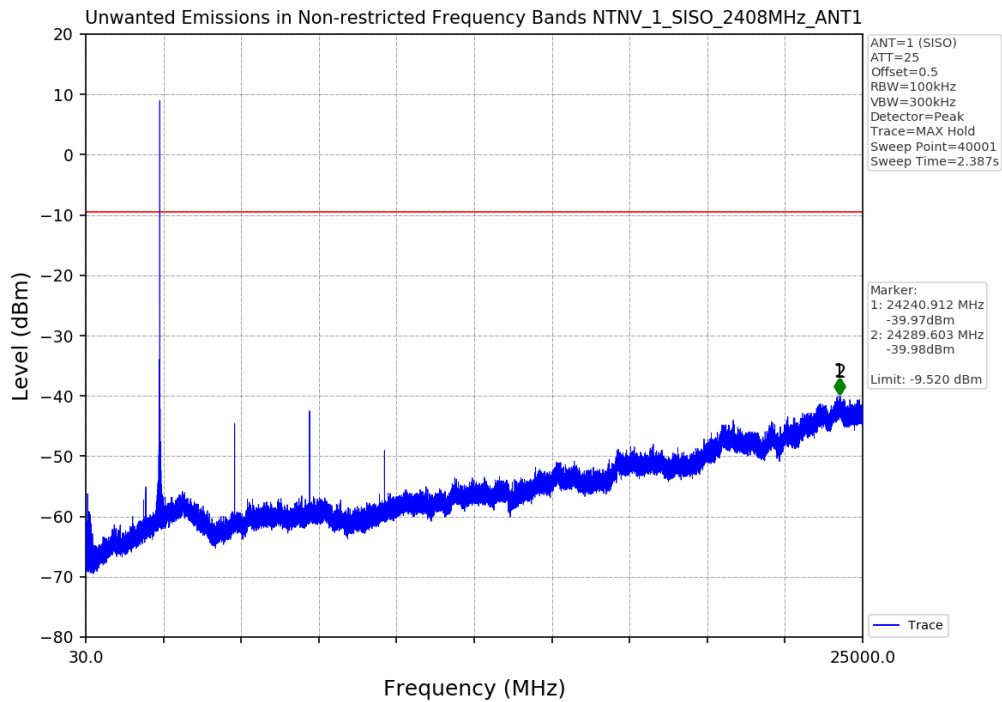
6. Unwanted Emissions in Non-restricted Frequency Bands

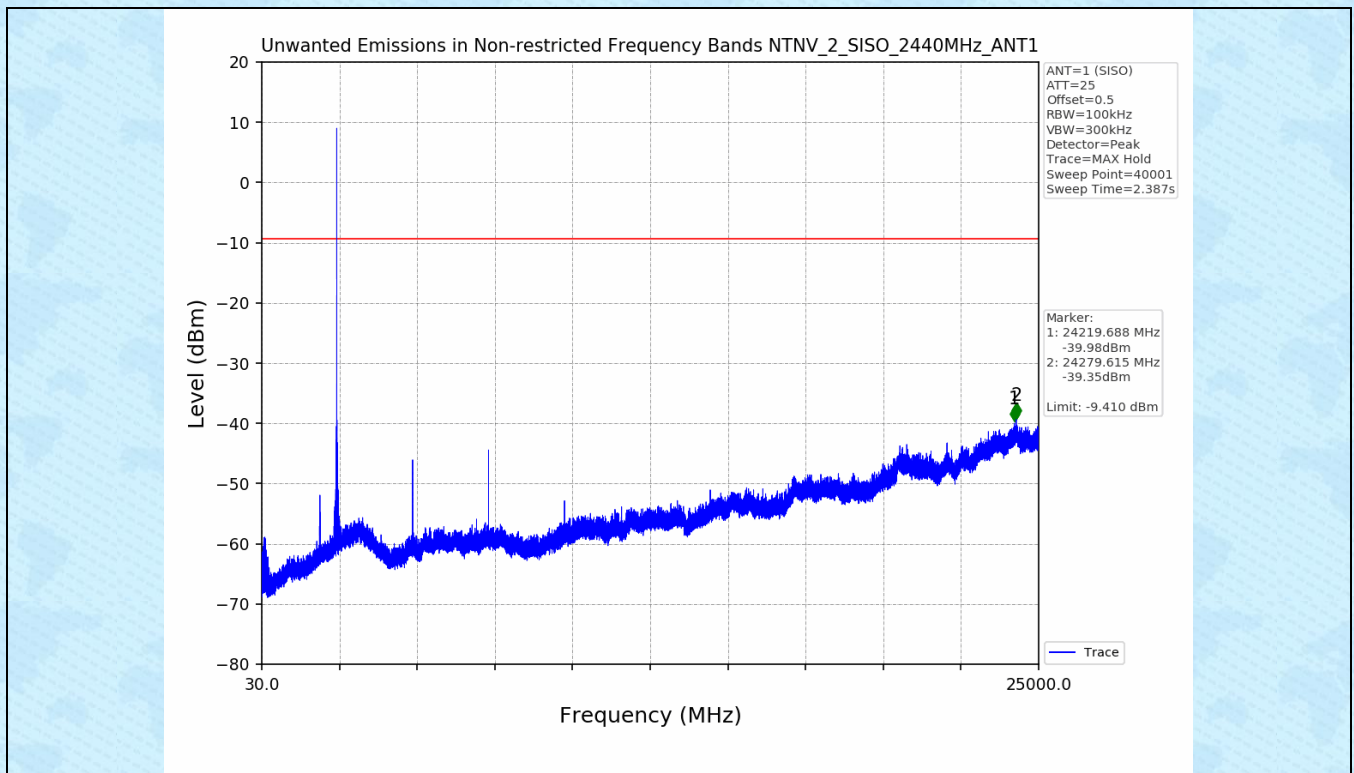
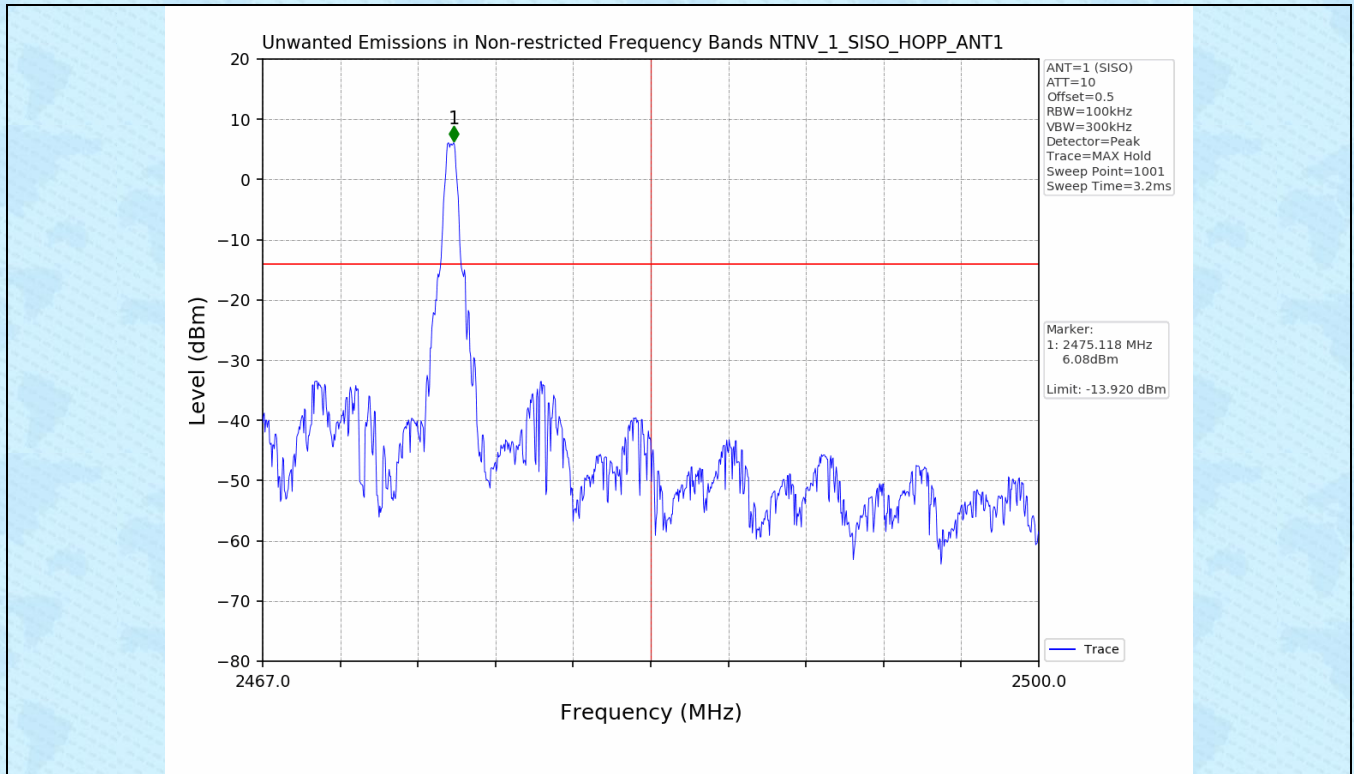
6.1 Test Result

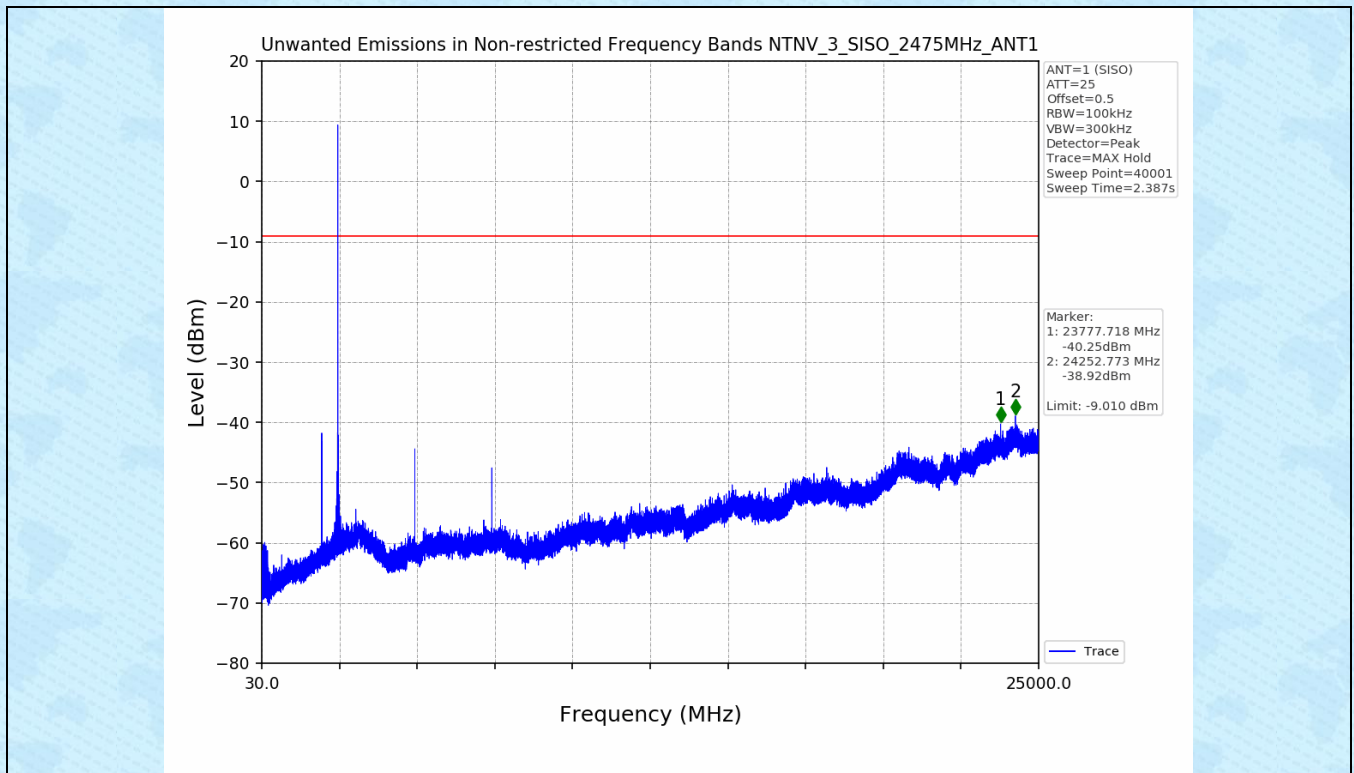
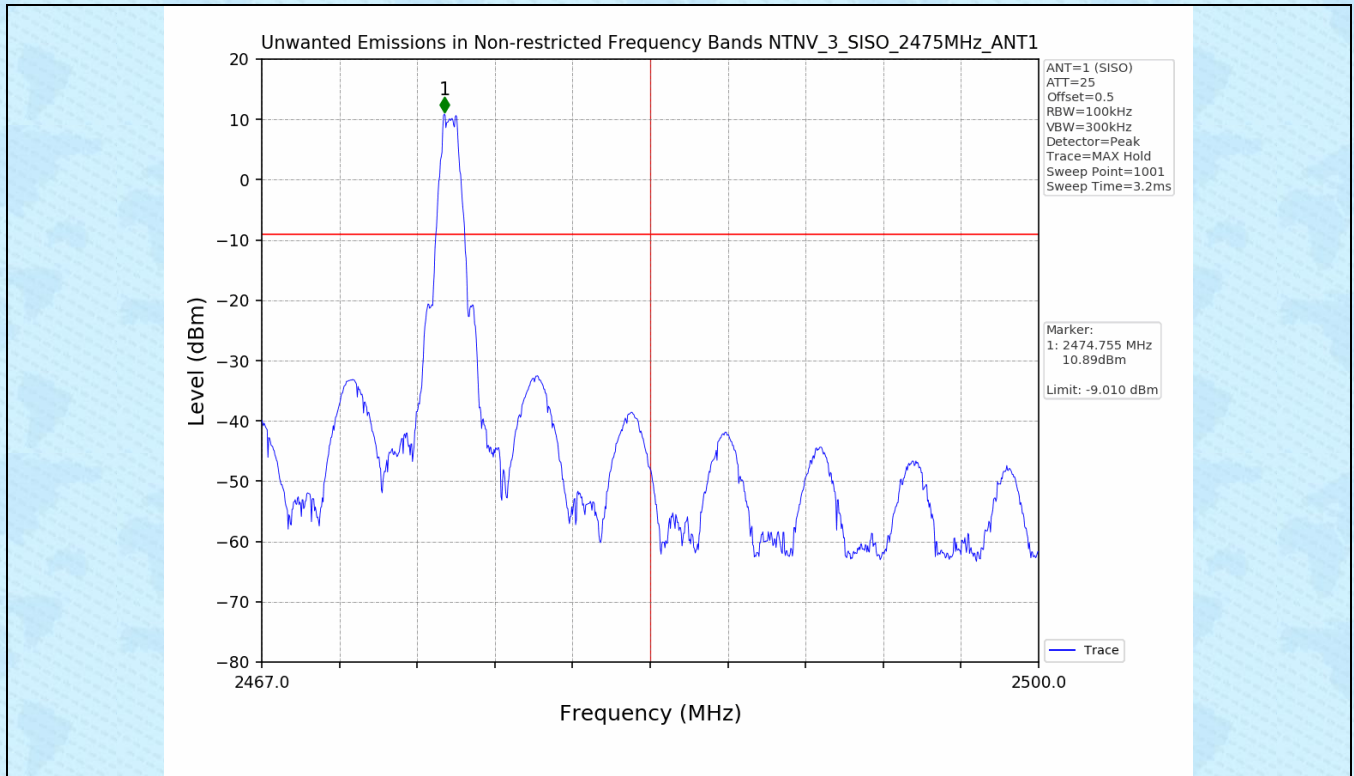
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
FHSS	2408	SISO	1	Refer to test graph	-9.52	PASS
	Hopping	SISO	1	Refer to test graph	-13.98	PASS
	2440	SISO	1	Refer to test graph	-9.41	PASS
	2475	SISO	1	Refer to test graph	-9.01	PASS

6.2 Test Graph









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