

Appendix for 15.247

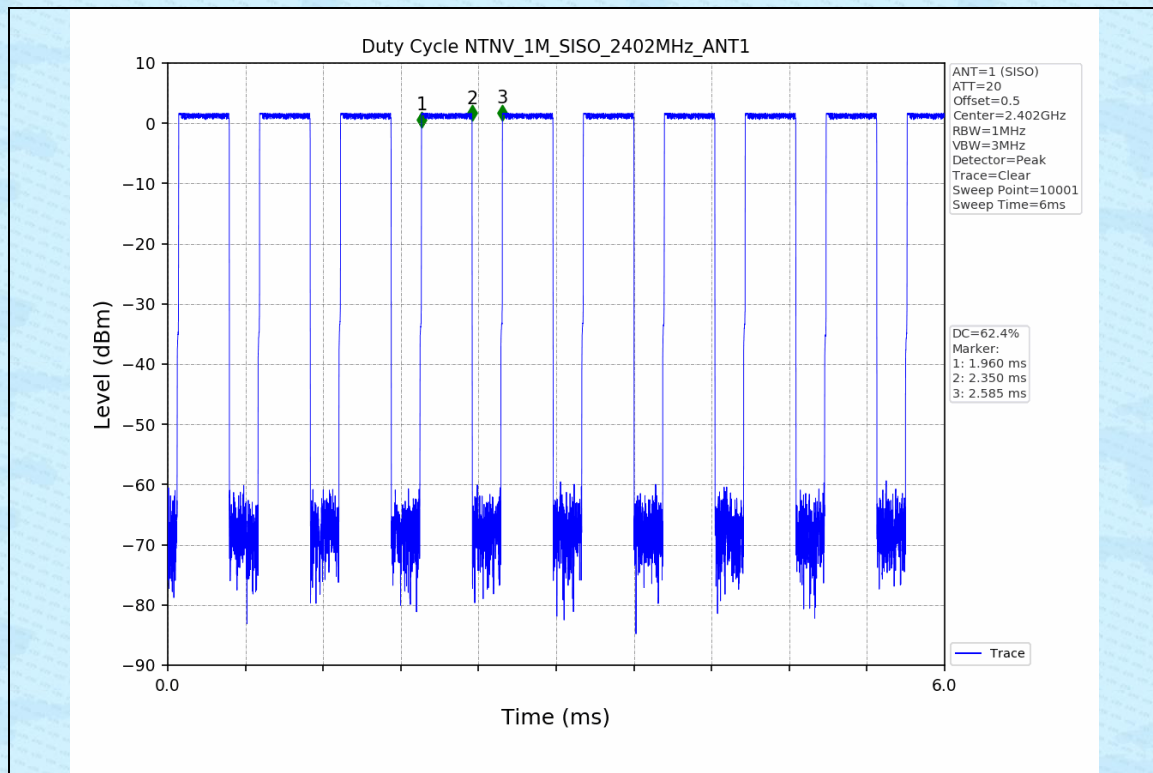
1. Duty Cycle

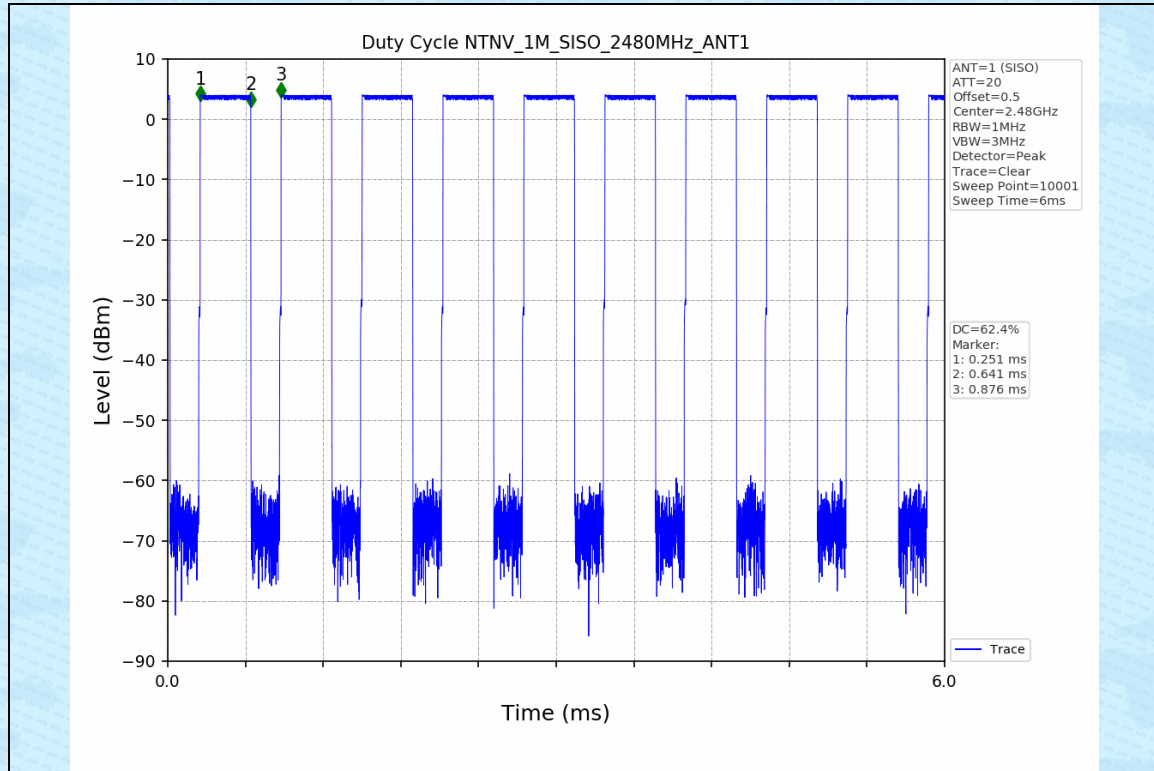
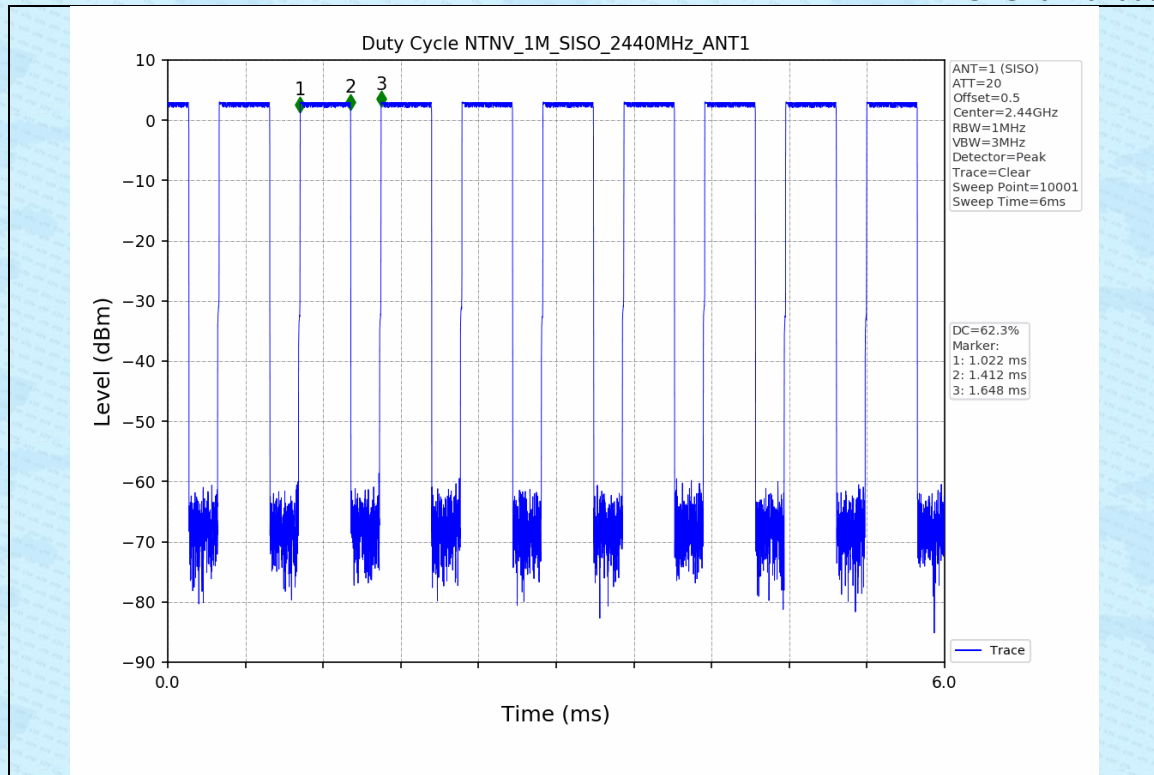
1.1 Test Result

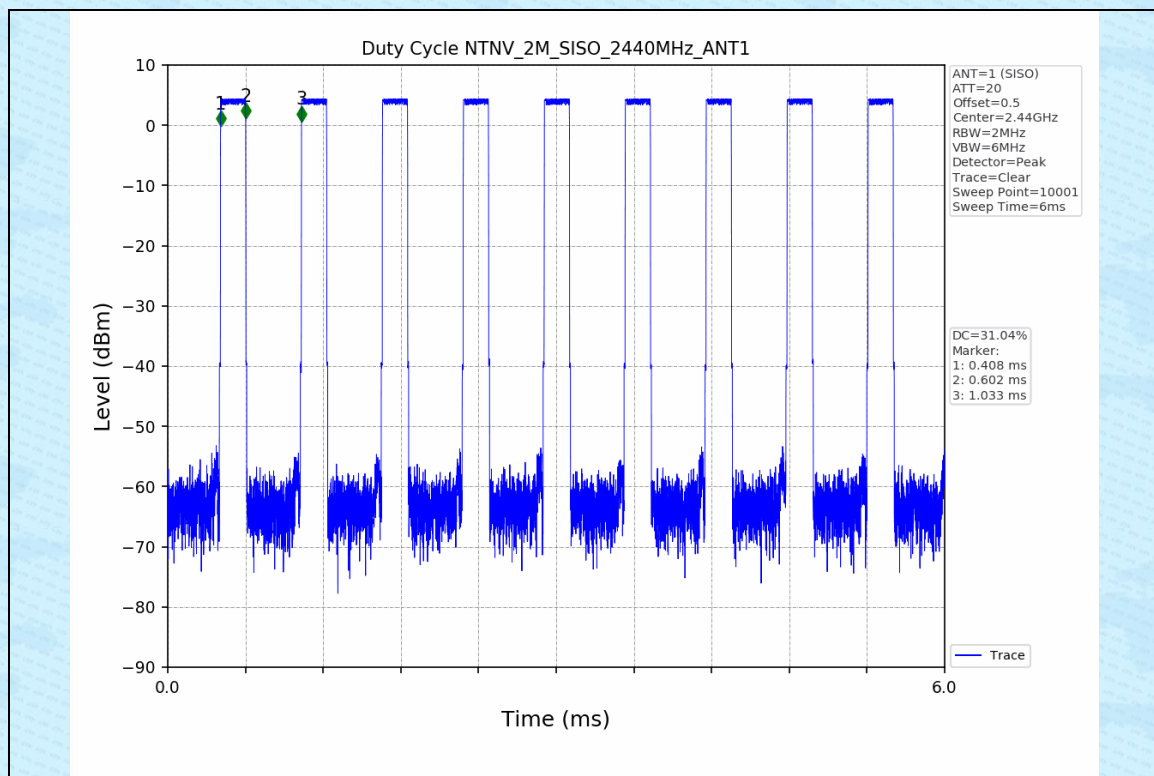
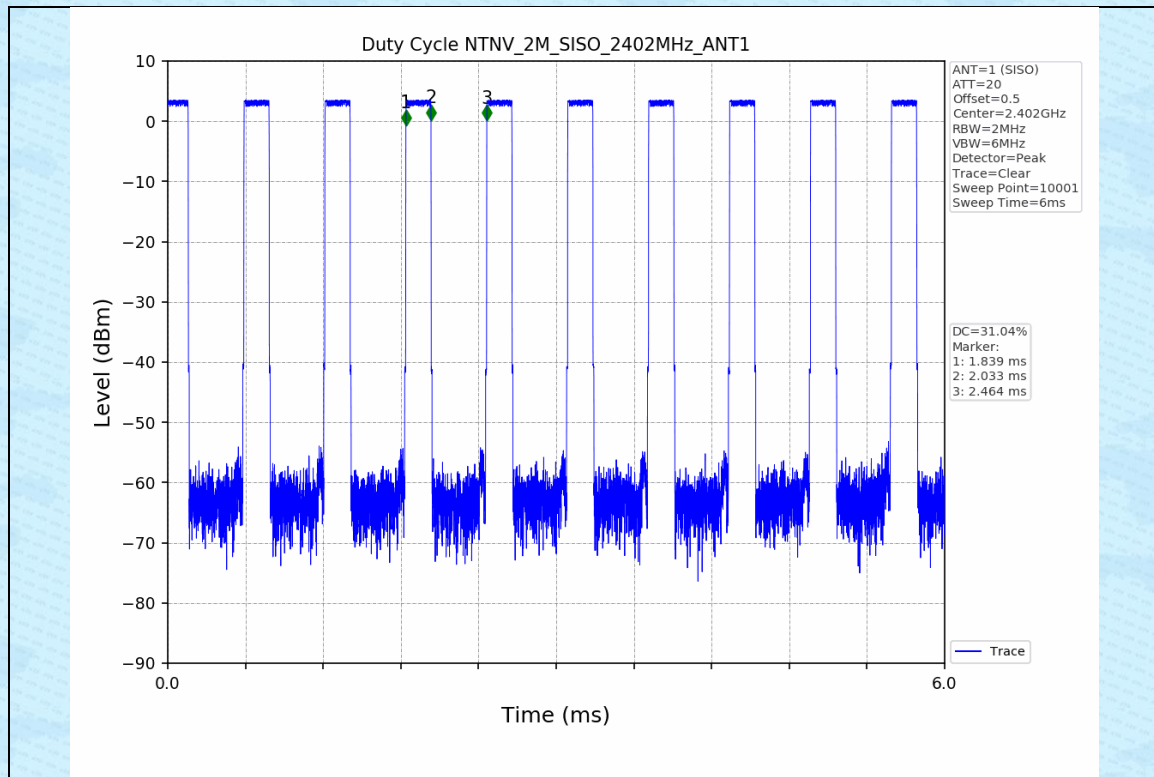
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
GFSK/1M	2402	SISO	1	0.390	0.625	62.40	2.05
	2440	SISO	1	0.390	0.626	62.30	2.06
	2480	SISO	1	0.390	0.625	62.40	2.05

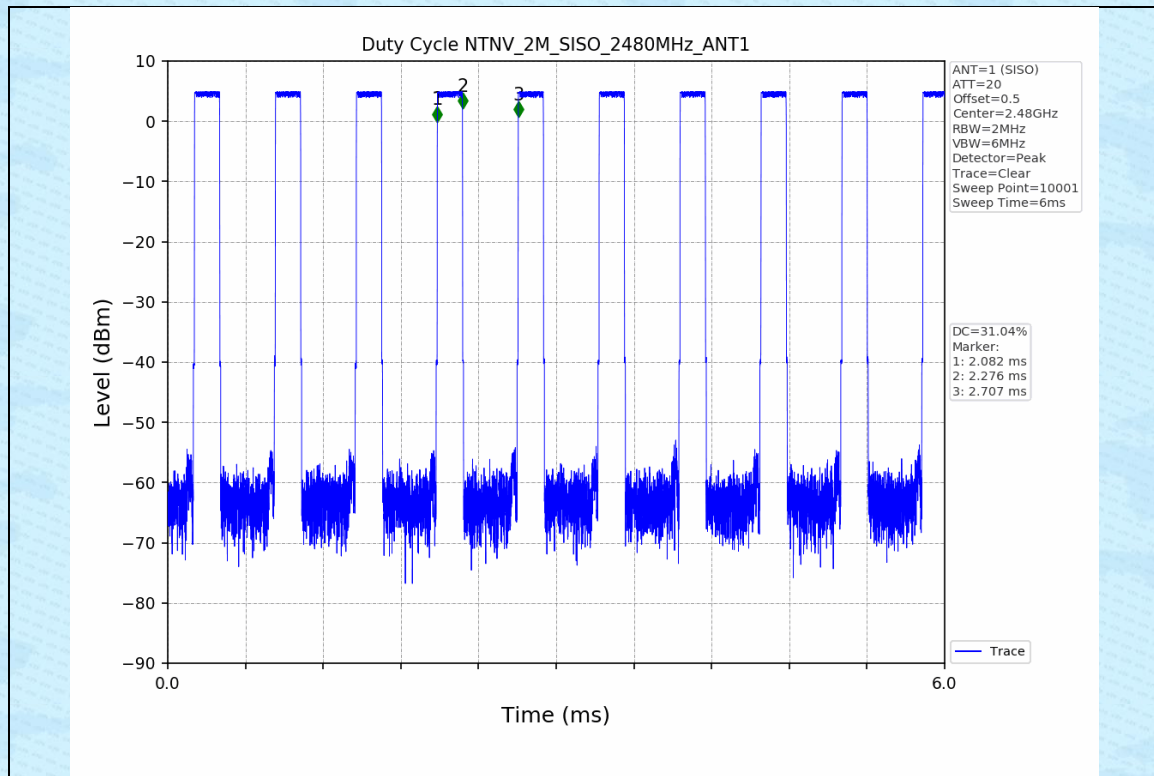
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
GFSK/2M	2402	SISO	1	0.194	0.625	31.04	5.08
	2440	SISO	1	0.194	0.625	31.04	5.08
	2480	SISO	1	0.194	0.625	31.04	5.08

1.2 Test Graph









2. Bandwidth

2.1 Test Result

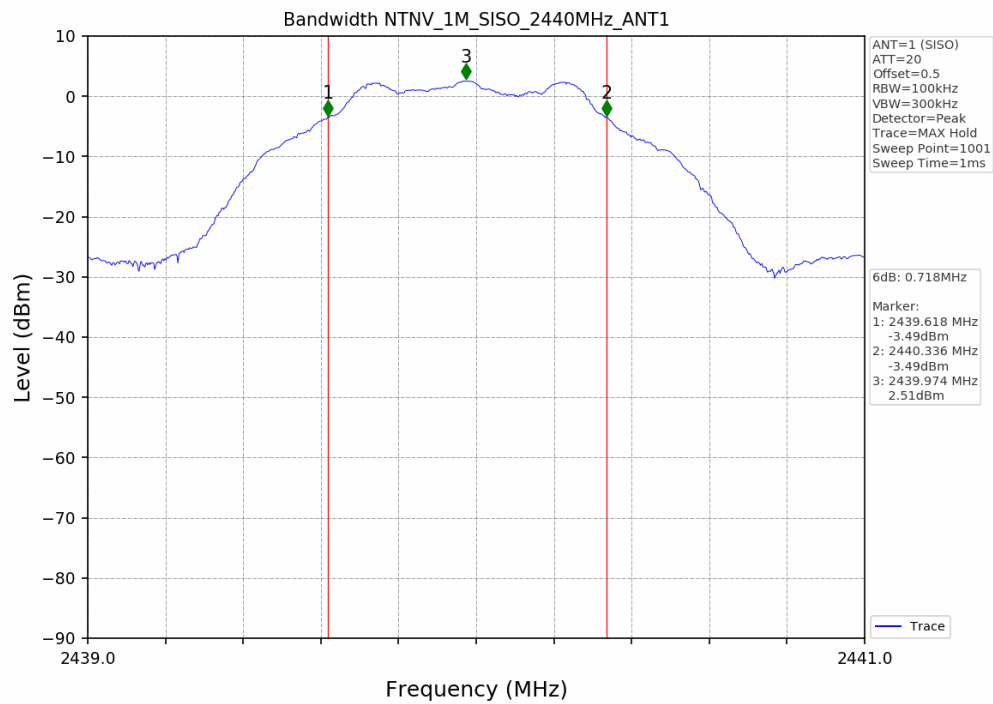
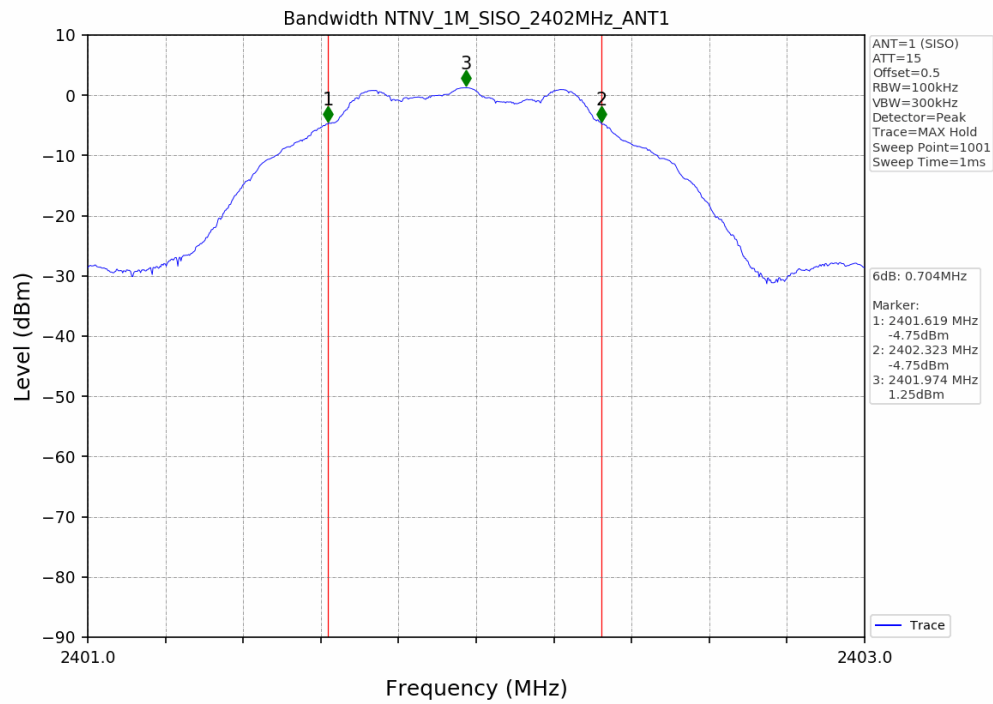
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
GFSK/1M	2402	SISO	1	0.704	≥0.5	PASS
	2440	SISO	1	0.718	≥0.5	PASS
	2480	SISO	1	0.713	≥0.5	PASS

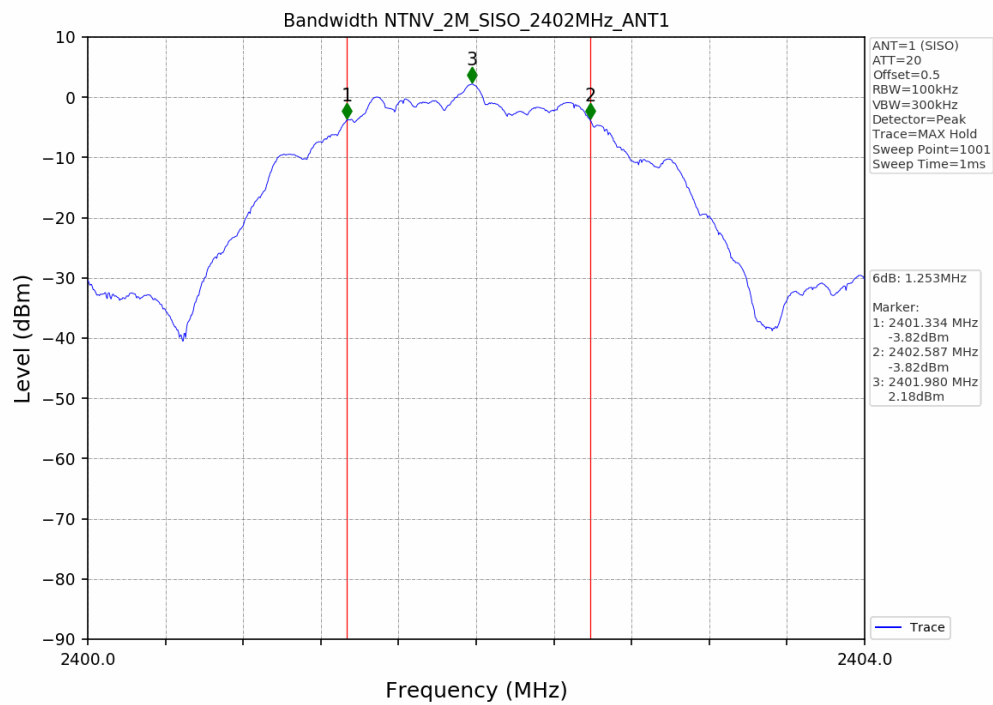
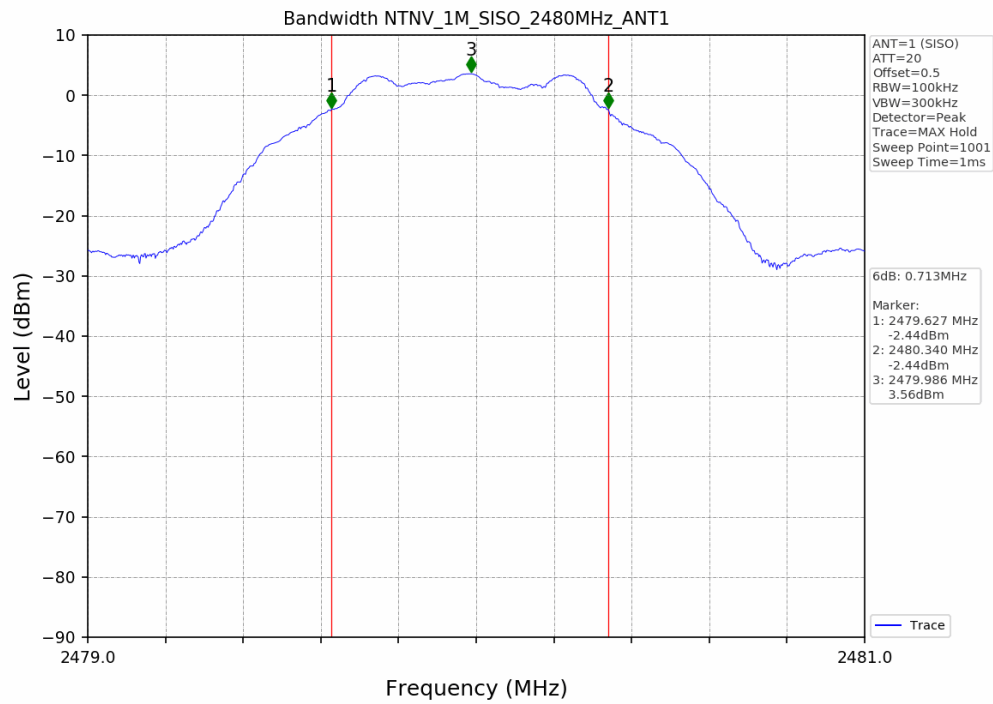
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK/1M	2402	SISO	1	1.058	Only for Report Use
	2440	SISO	1	1.058	Only for Report Use
	2480	SISO	1	1.058	Only for Report Use

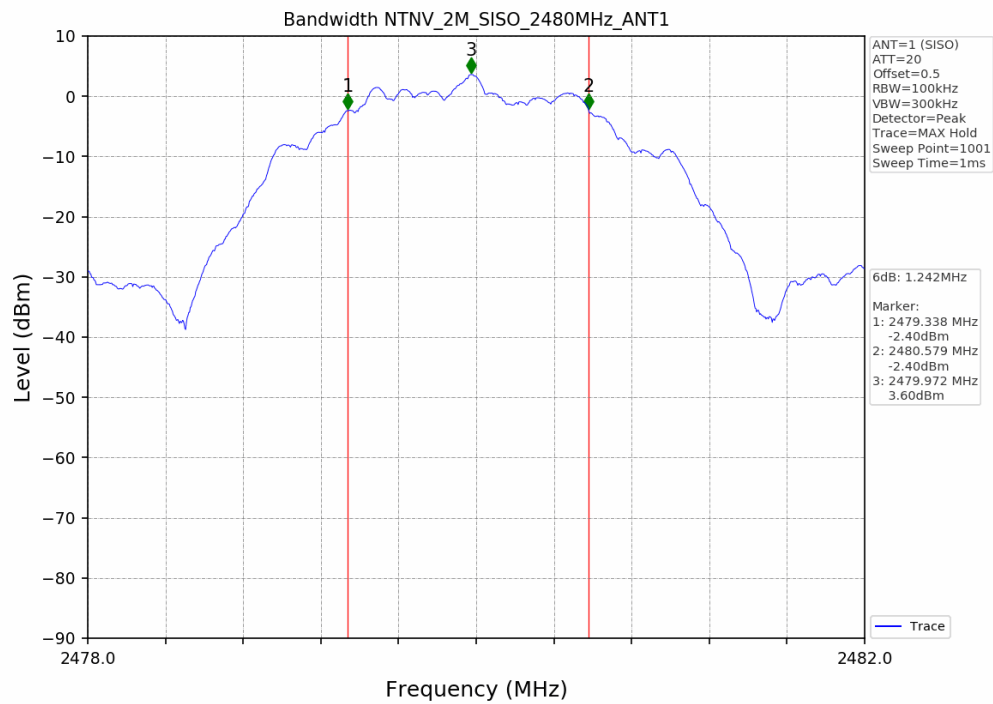
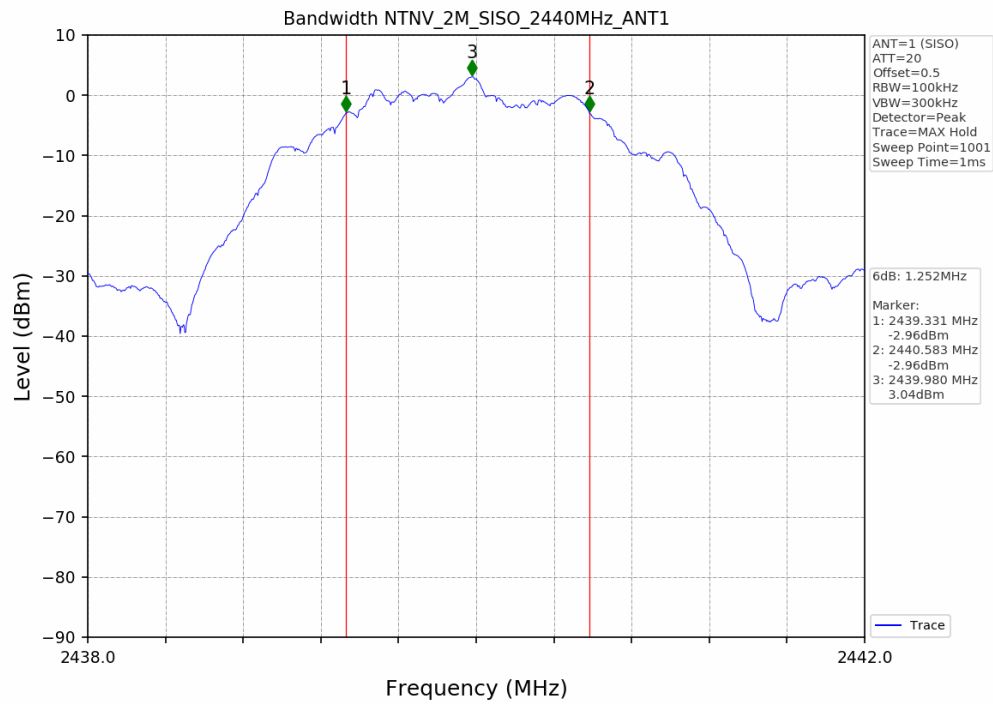
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK/2M	2402	SISO	1	1.253	PASS
	2440	SISO	1	1.252	PASS
	2480	SISO	1	1.242	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK/2M	2402	SISO	1	2.064	Only for Report Use
	2440	SISO	1	2.064	Only for Report Use
	2480	SISO	1	2.064	Only for Report Use

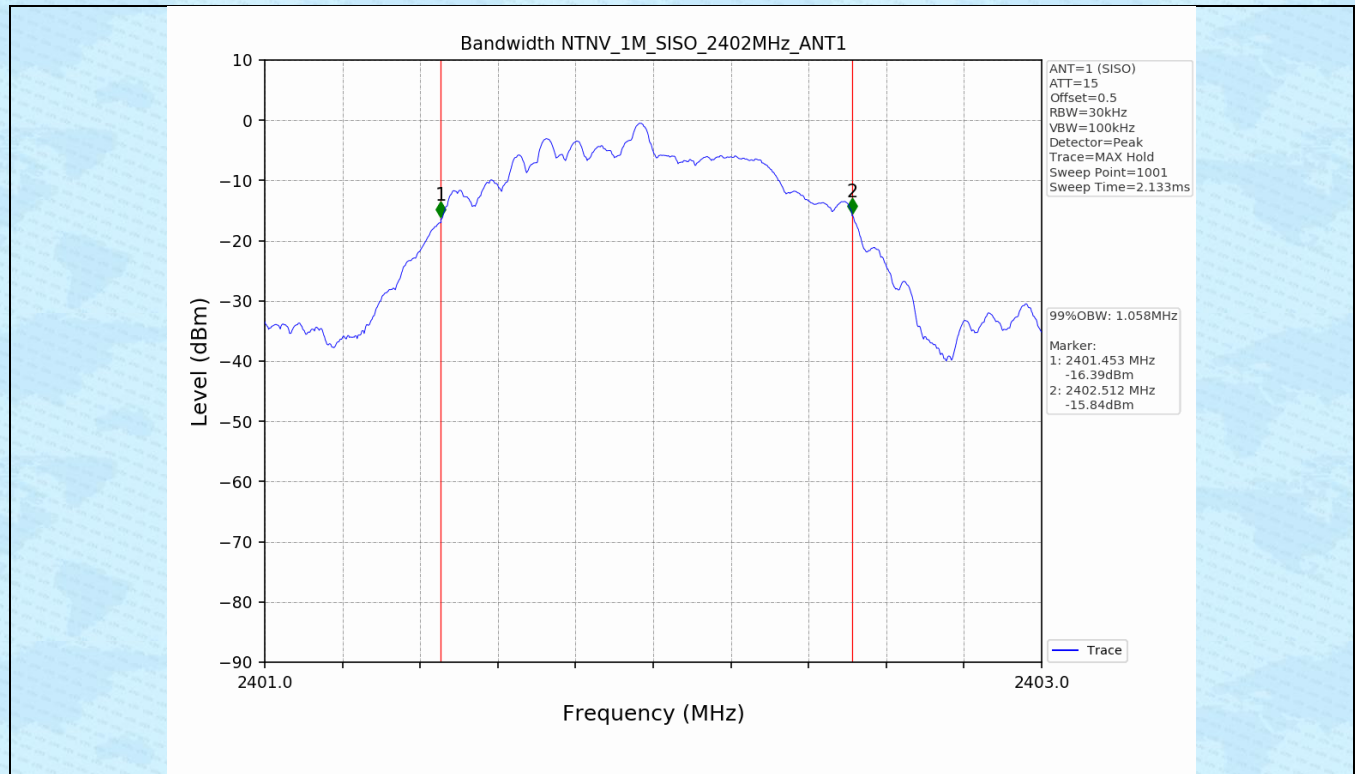
2.2 Test Graph - 6dB Bandwidth

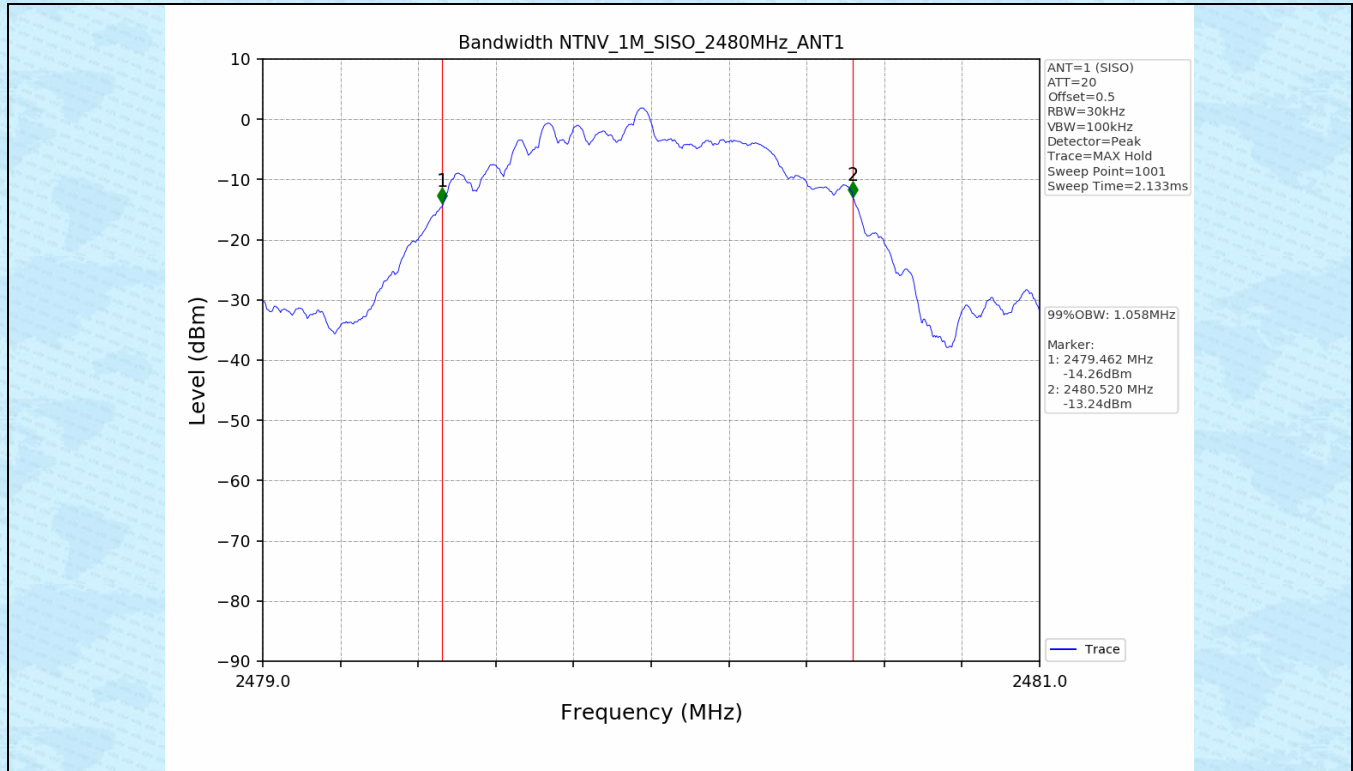
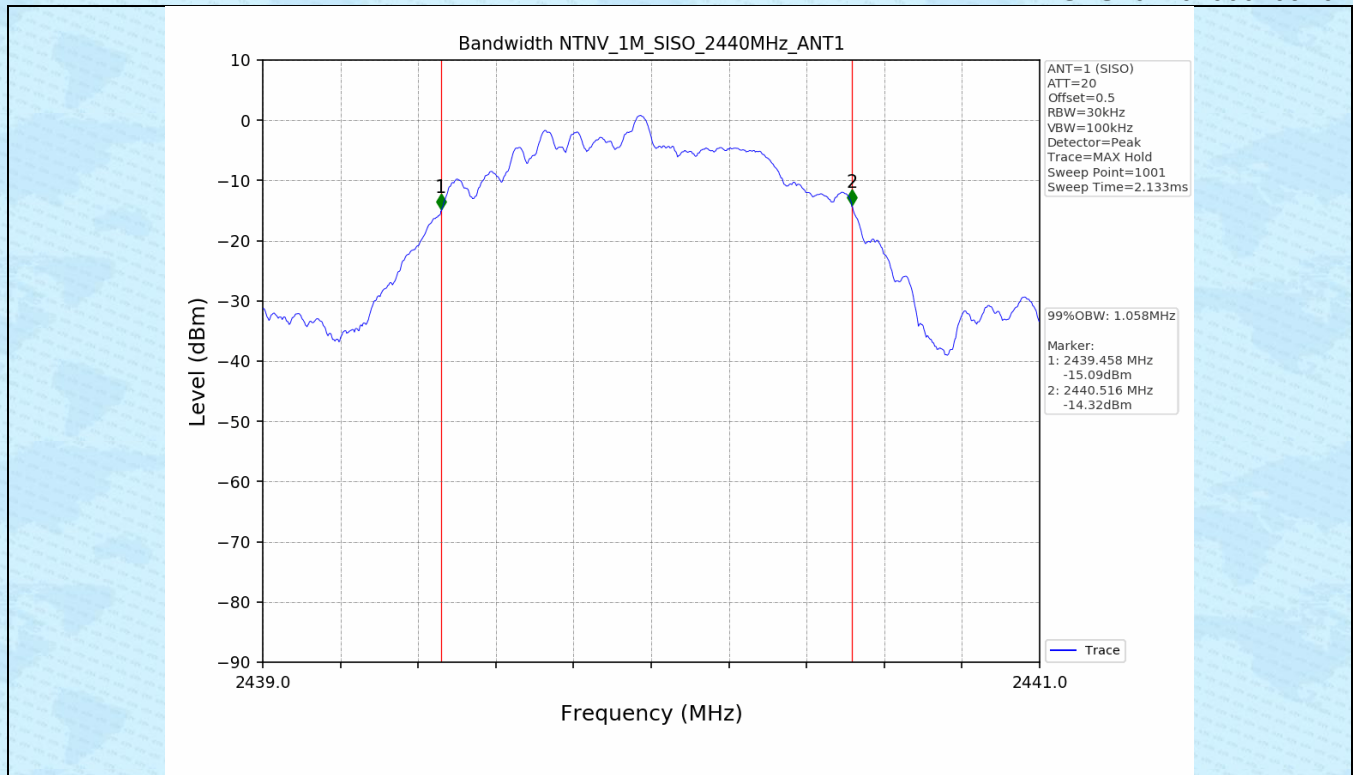


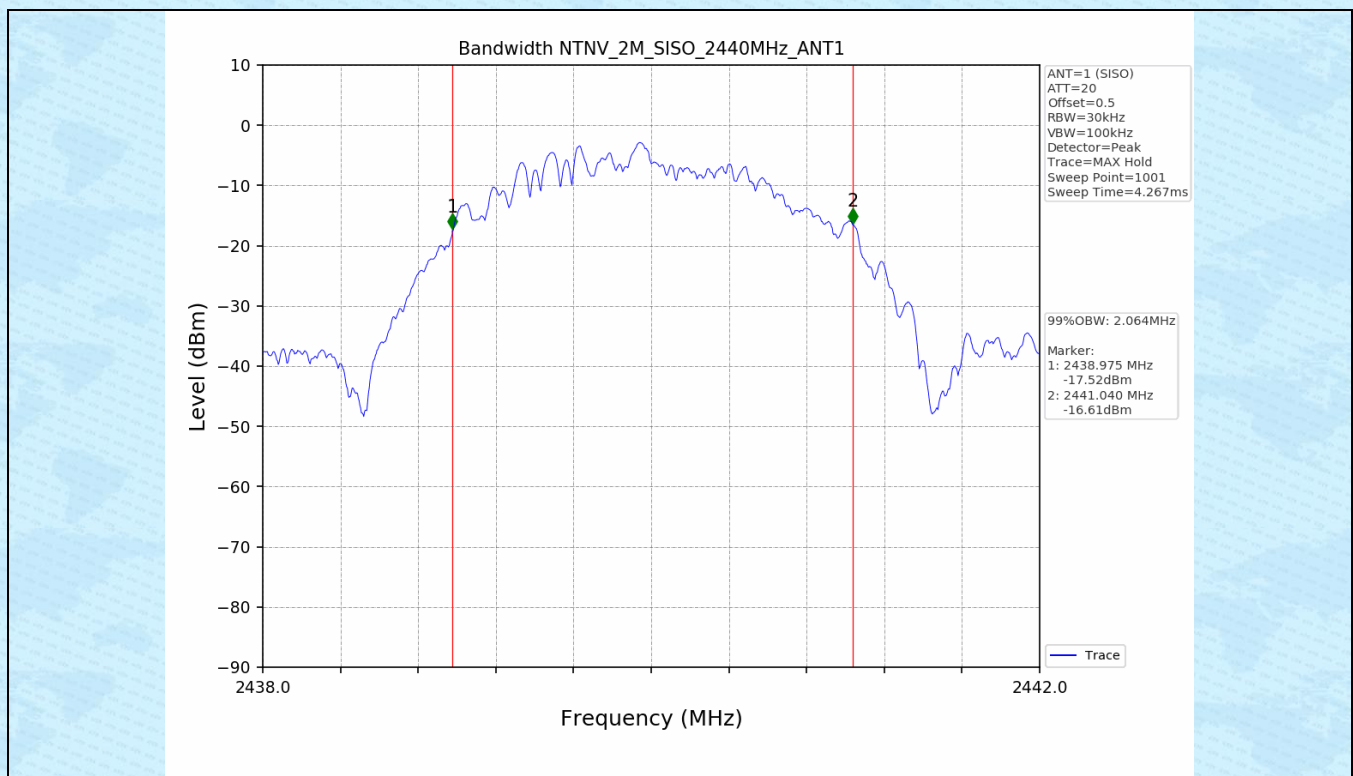
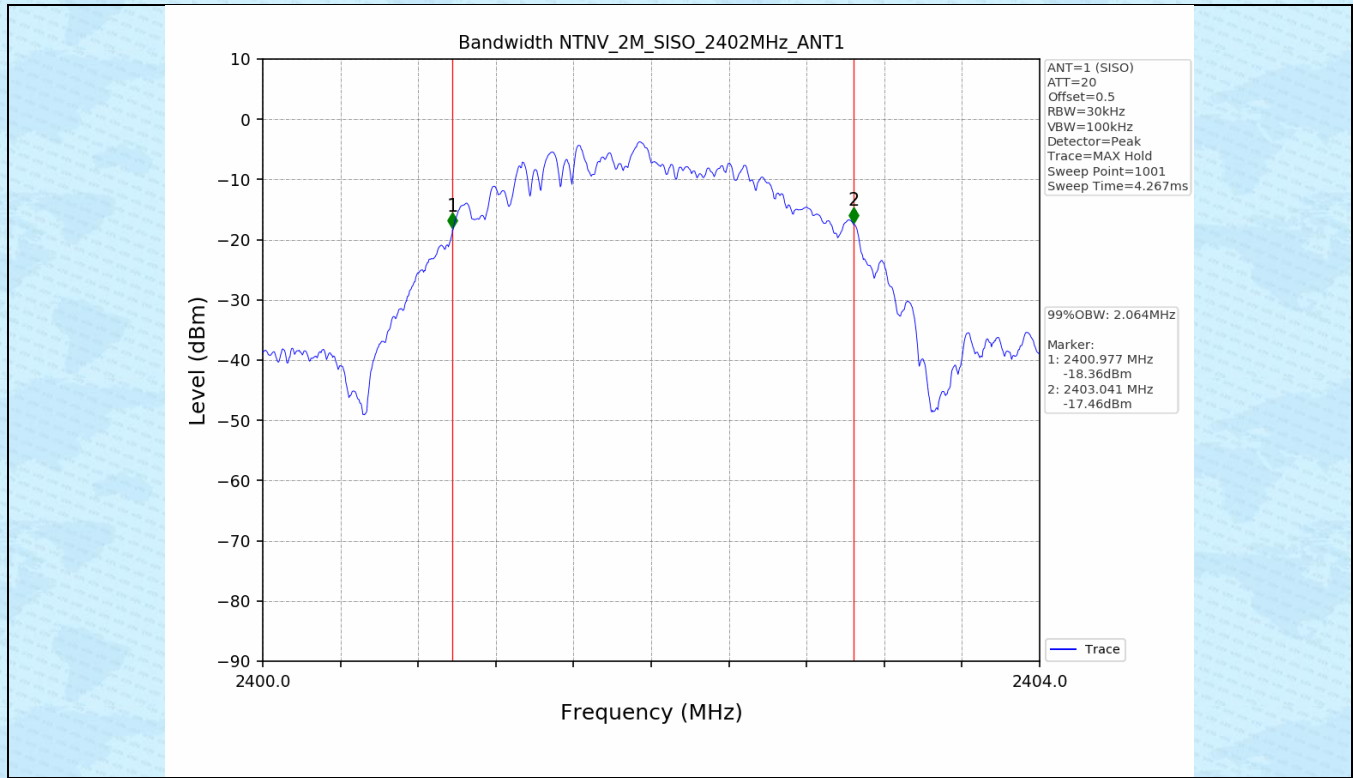


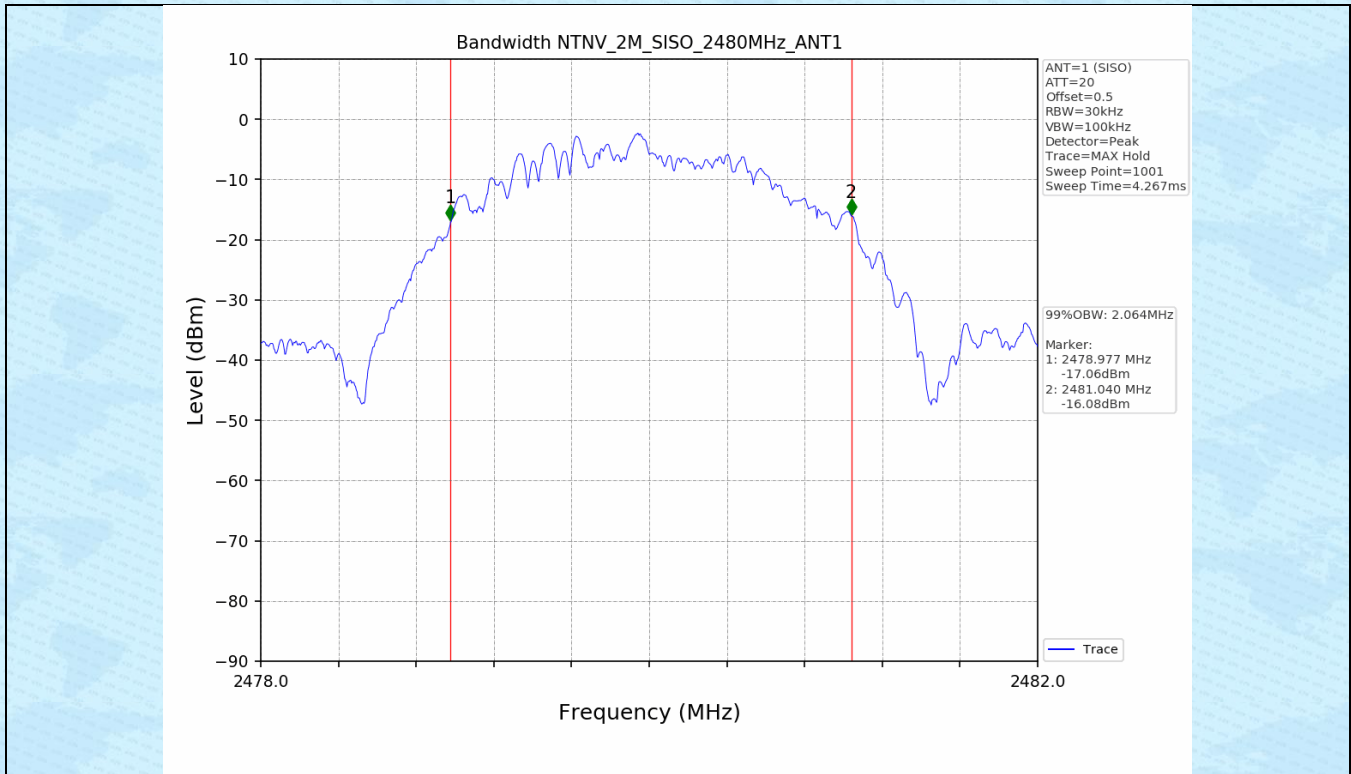


2.3 Test Graph - 99% Occupied Bandwidth









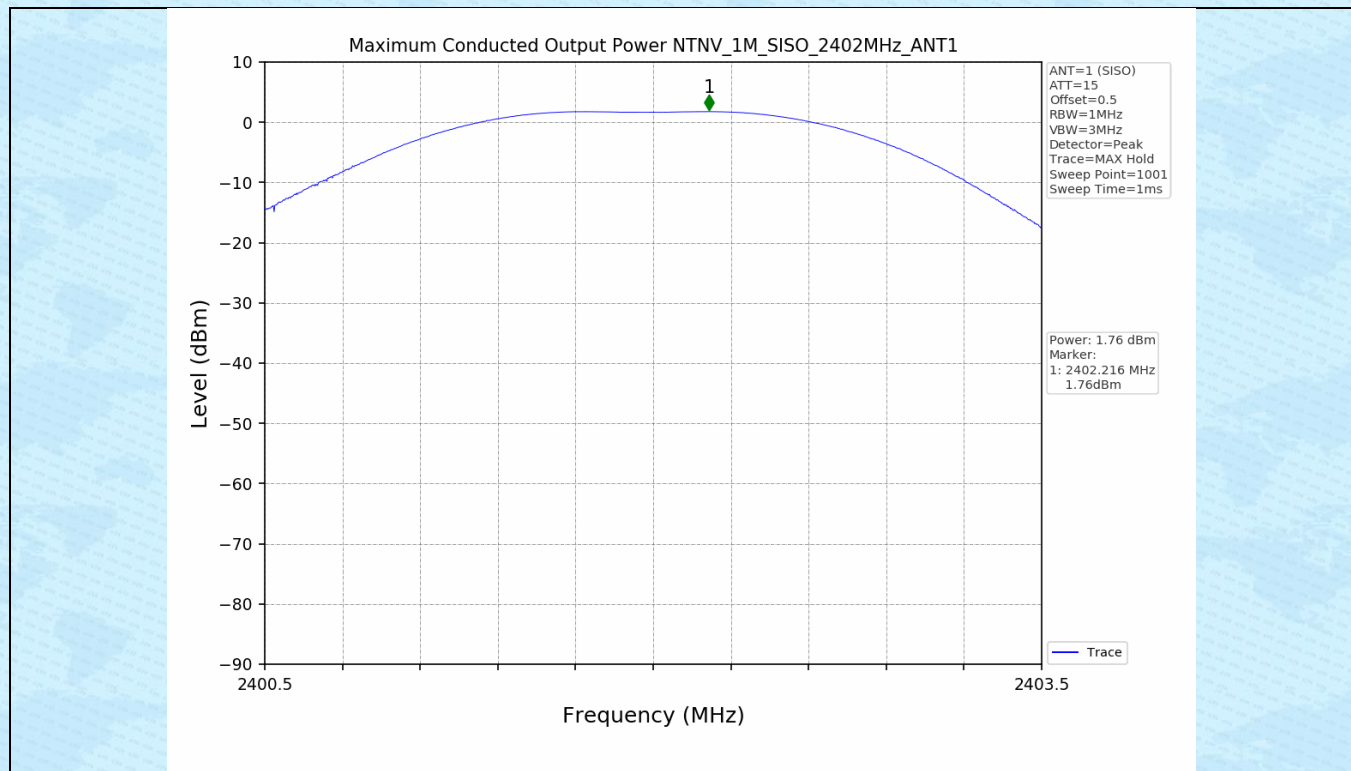
3. Maximum Conducted Output Power

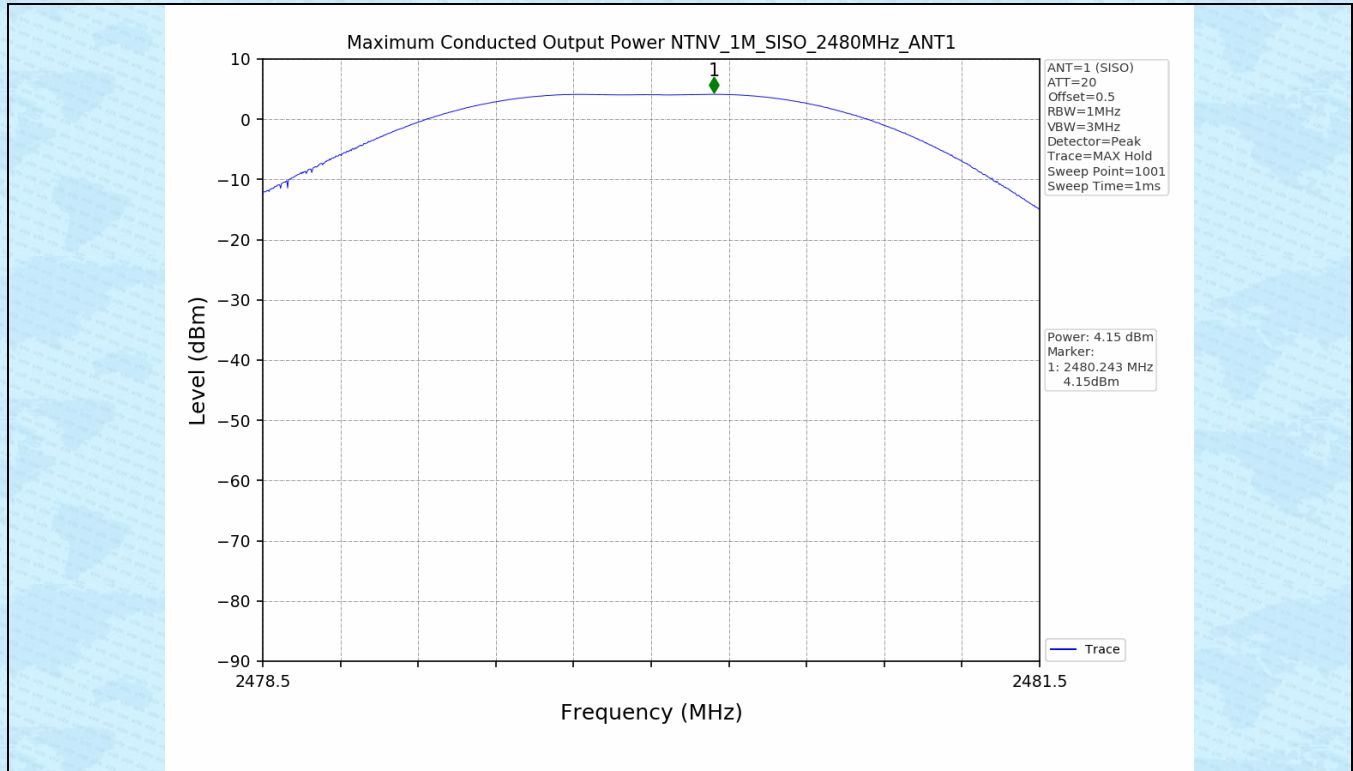
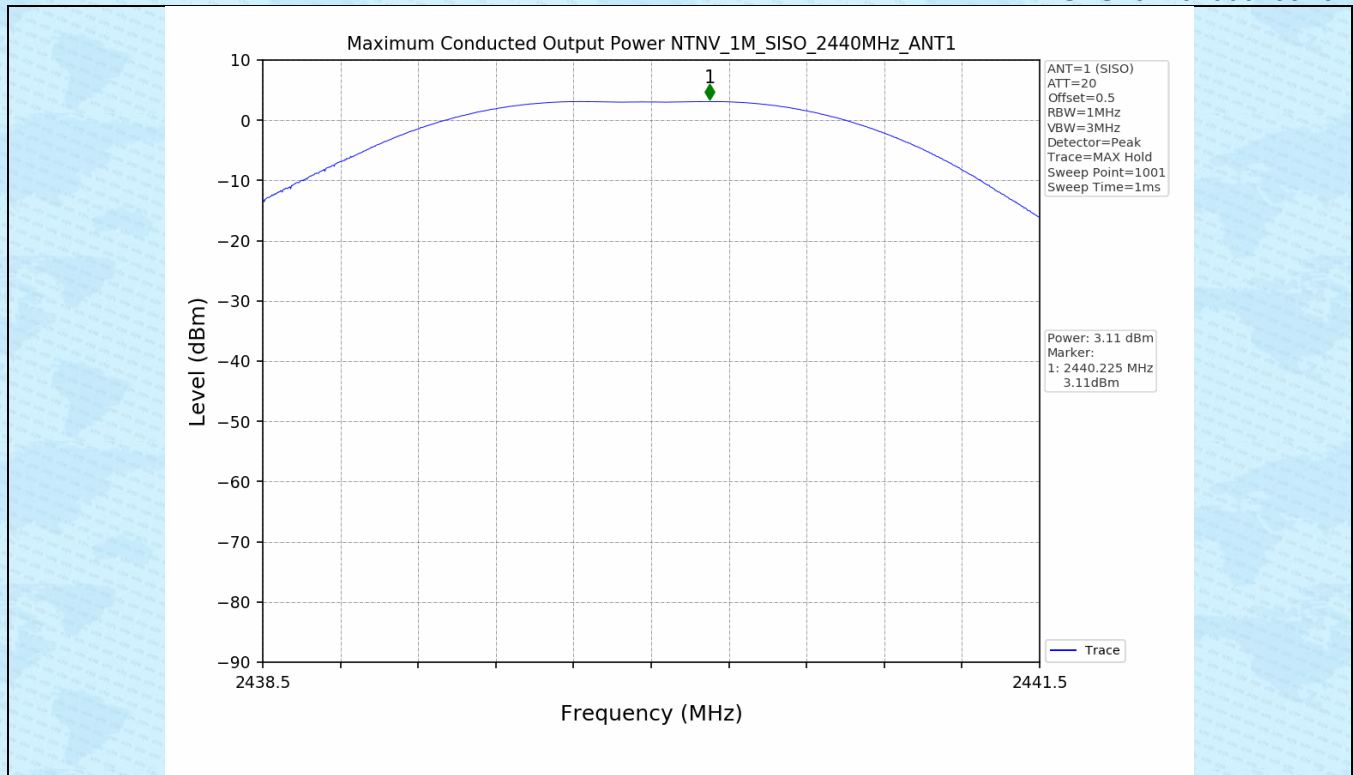
3.1 Test Result

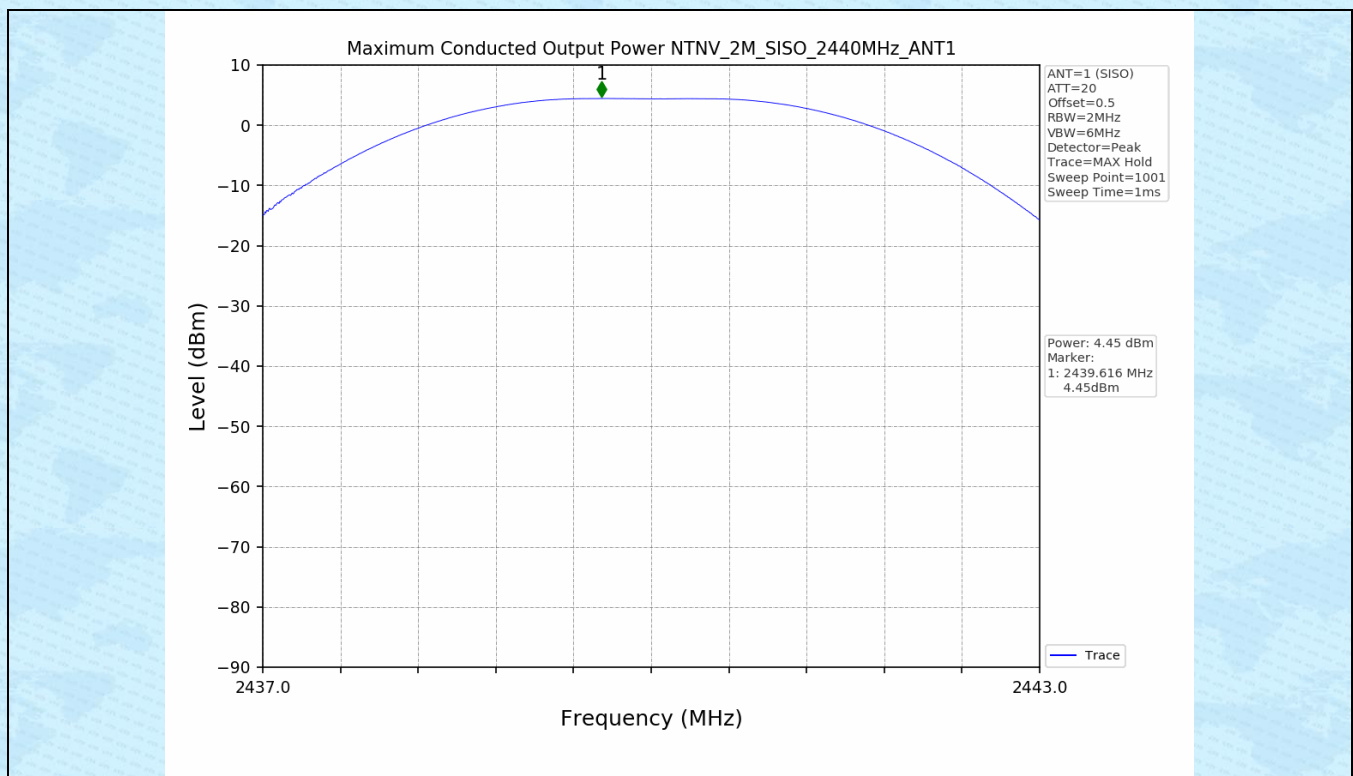
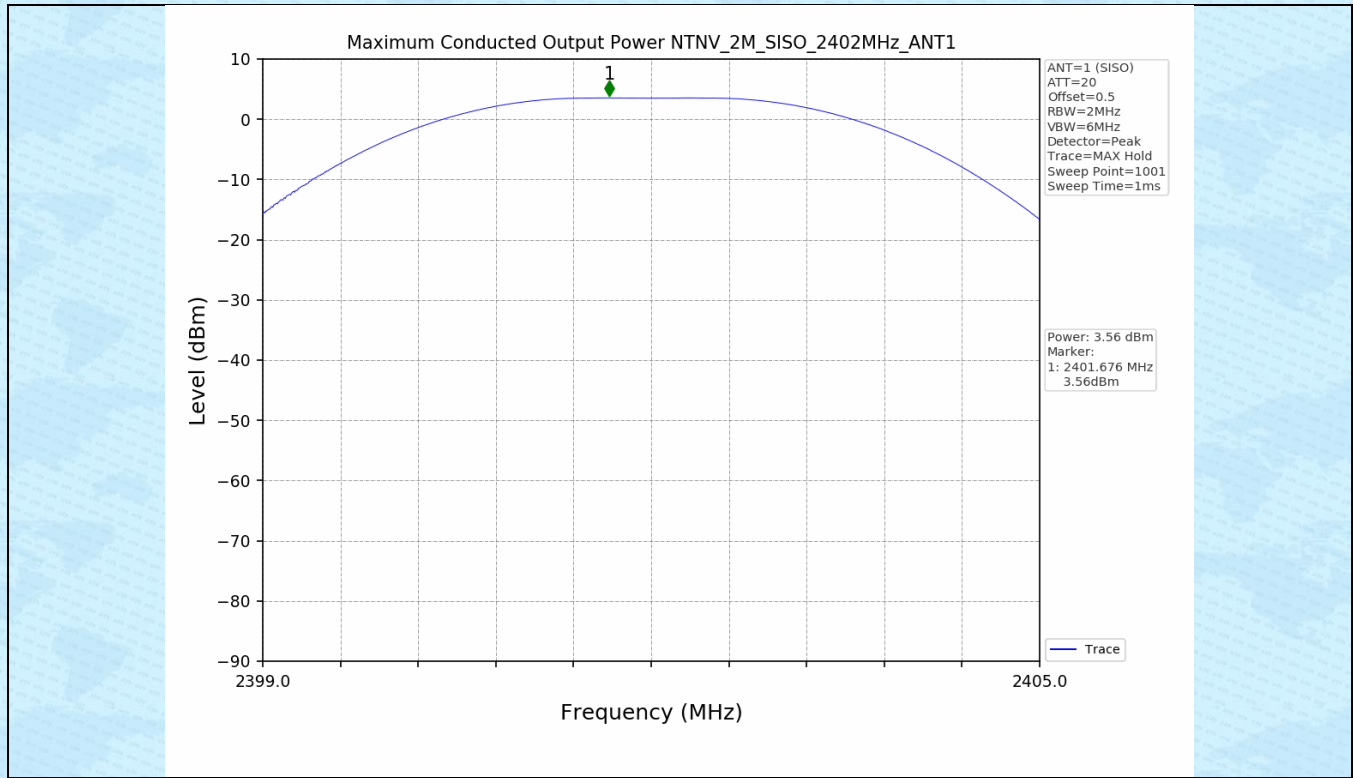
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
GFSK/1M	2402	SISO	1.76	30	PASS
	2440	SISO	3.11	30	PASS
	2480	SISO	4.15	30	PASS

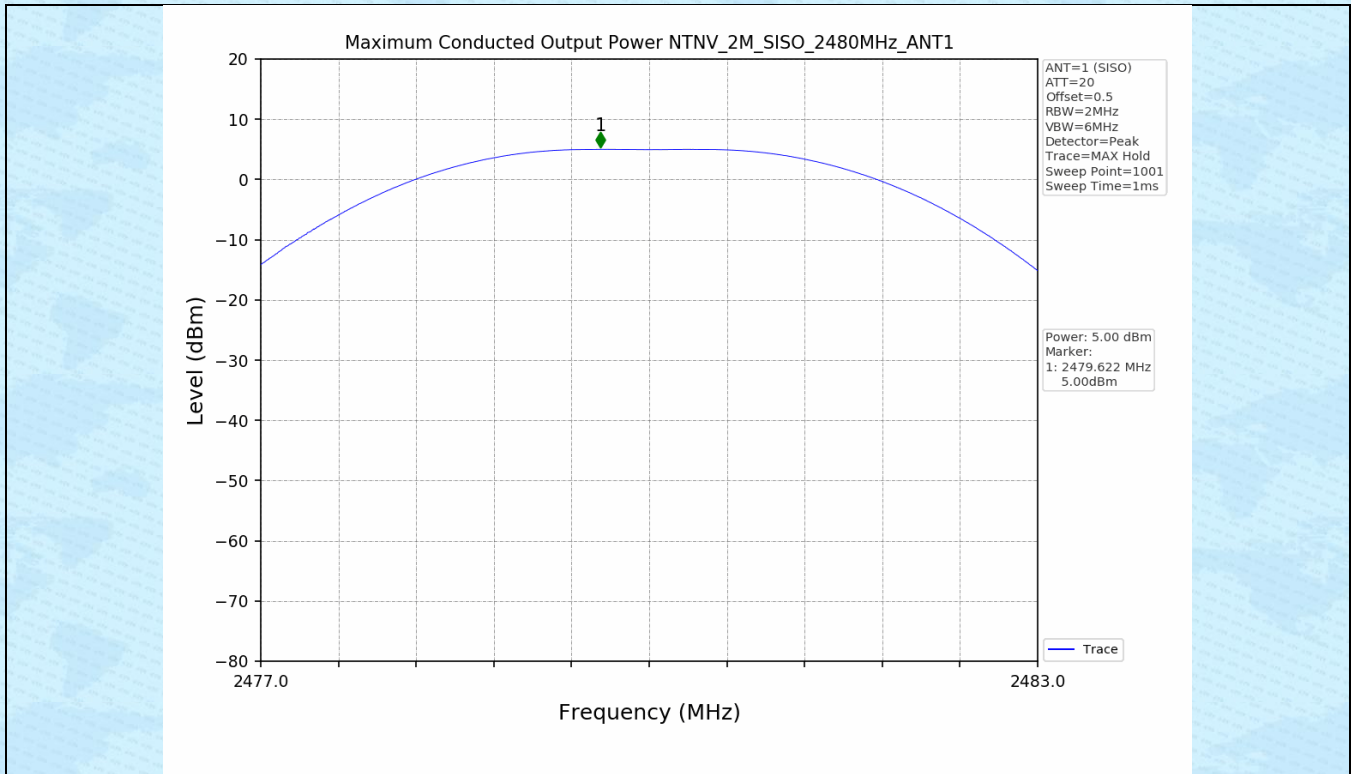
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
GFSK/2M	2402	SISO	3.56	30	PASS
	2440	SISO	4.45	30	PASS
	2480	SISO	5.00	30	PASS

3.2 Test Graph









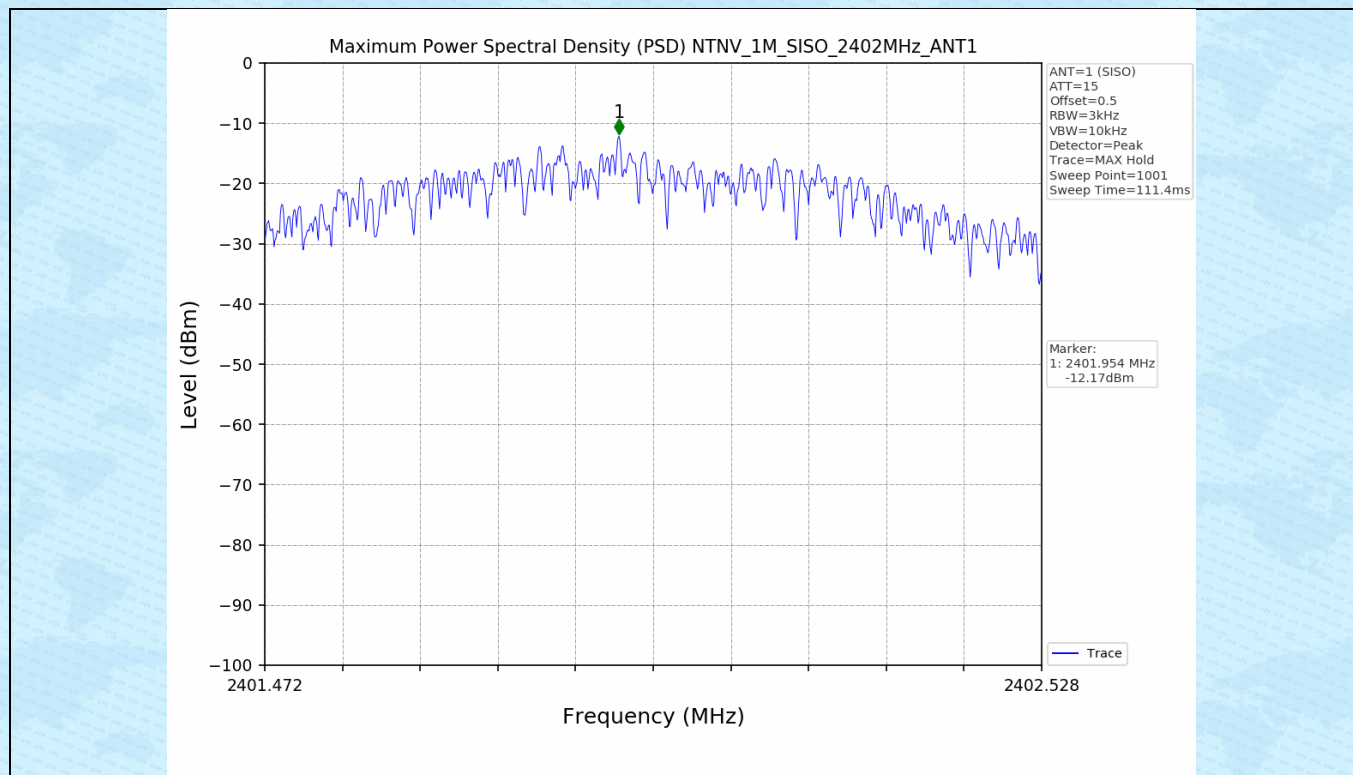
4. Maximum Power Spectral Density (PSD)

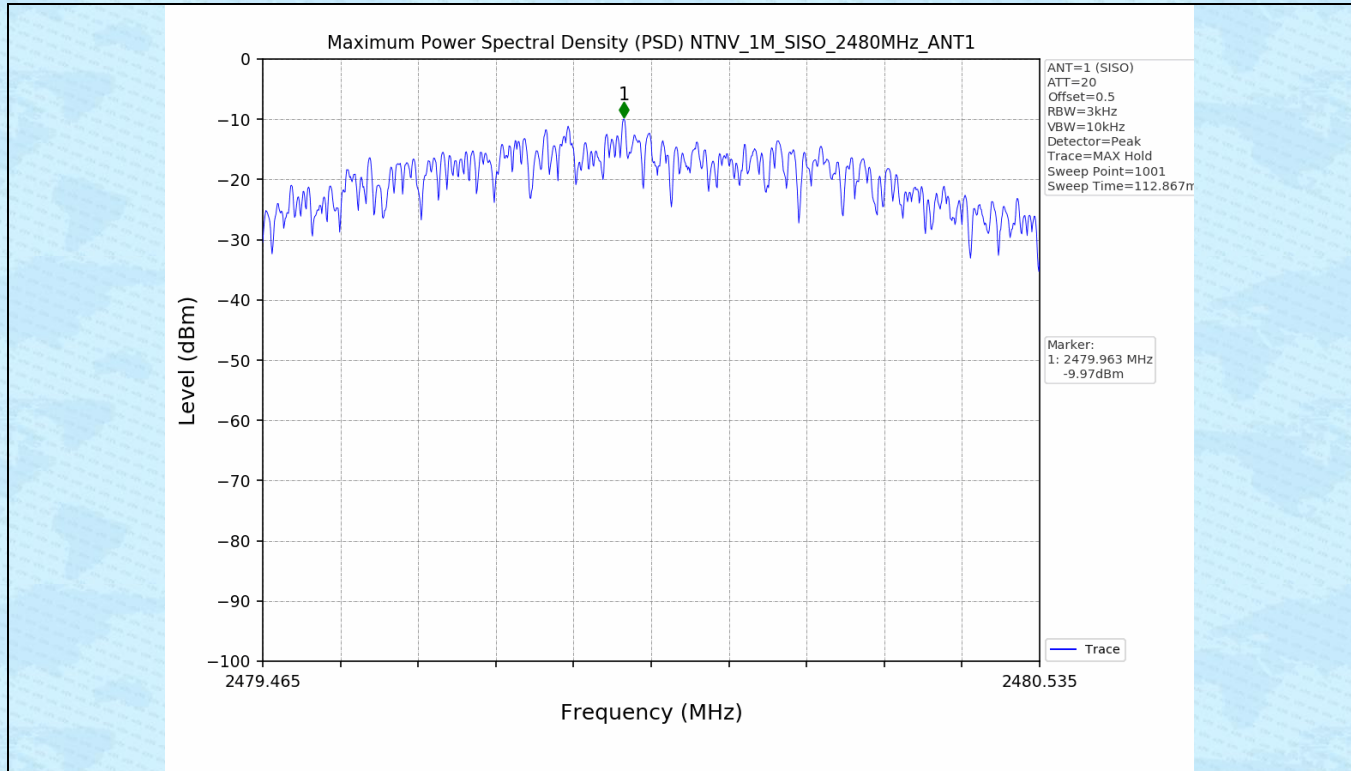
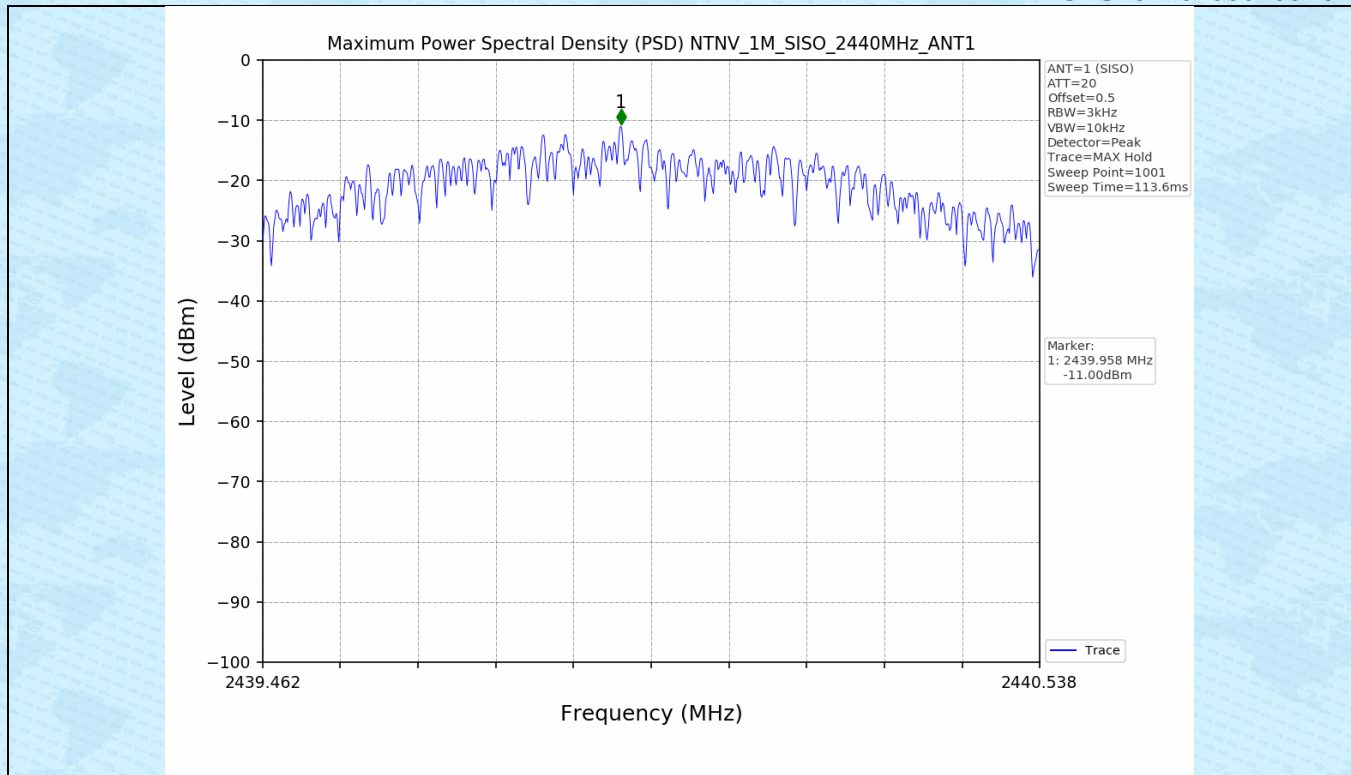
4.1 Test Result

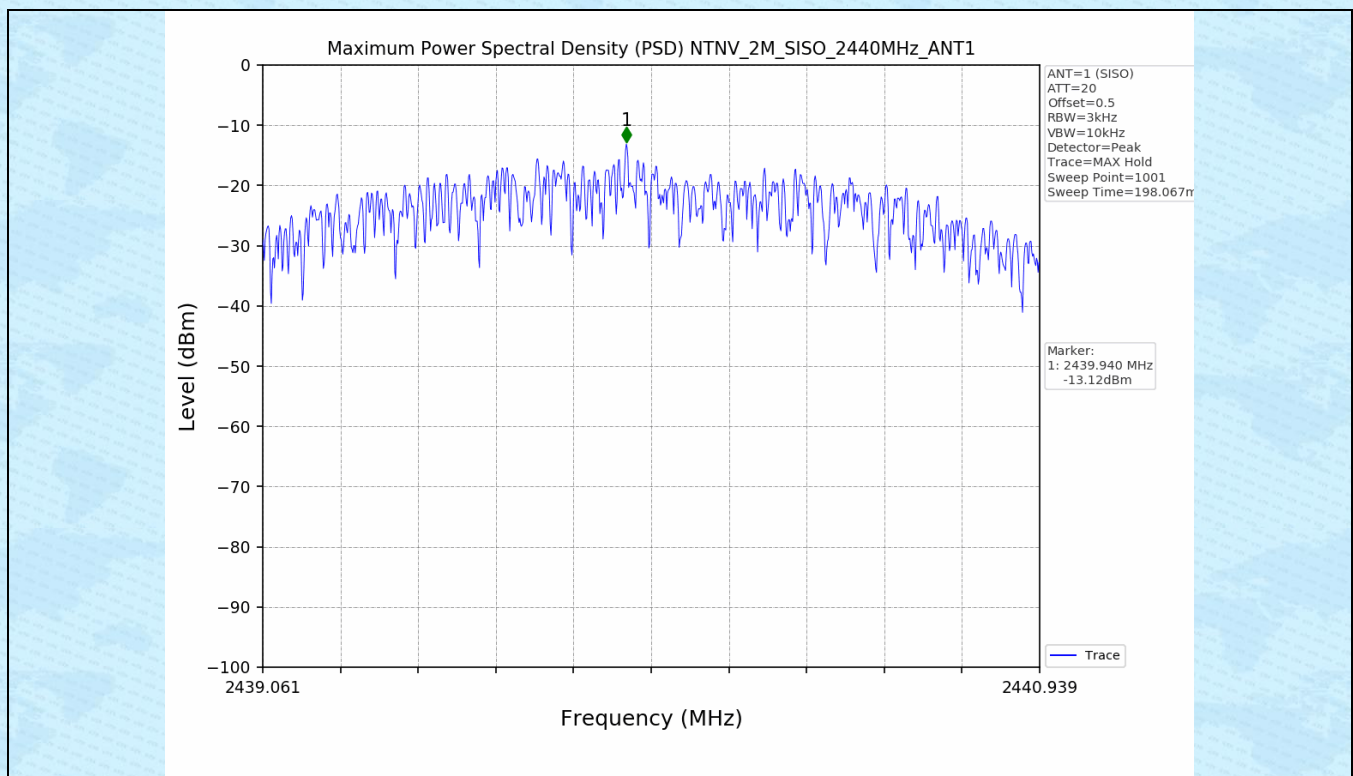
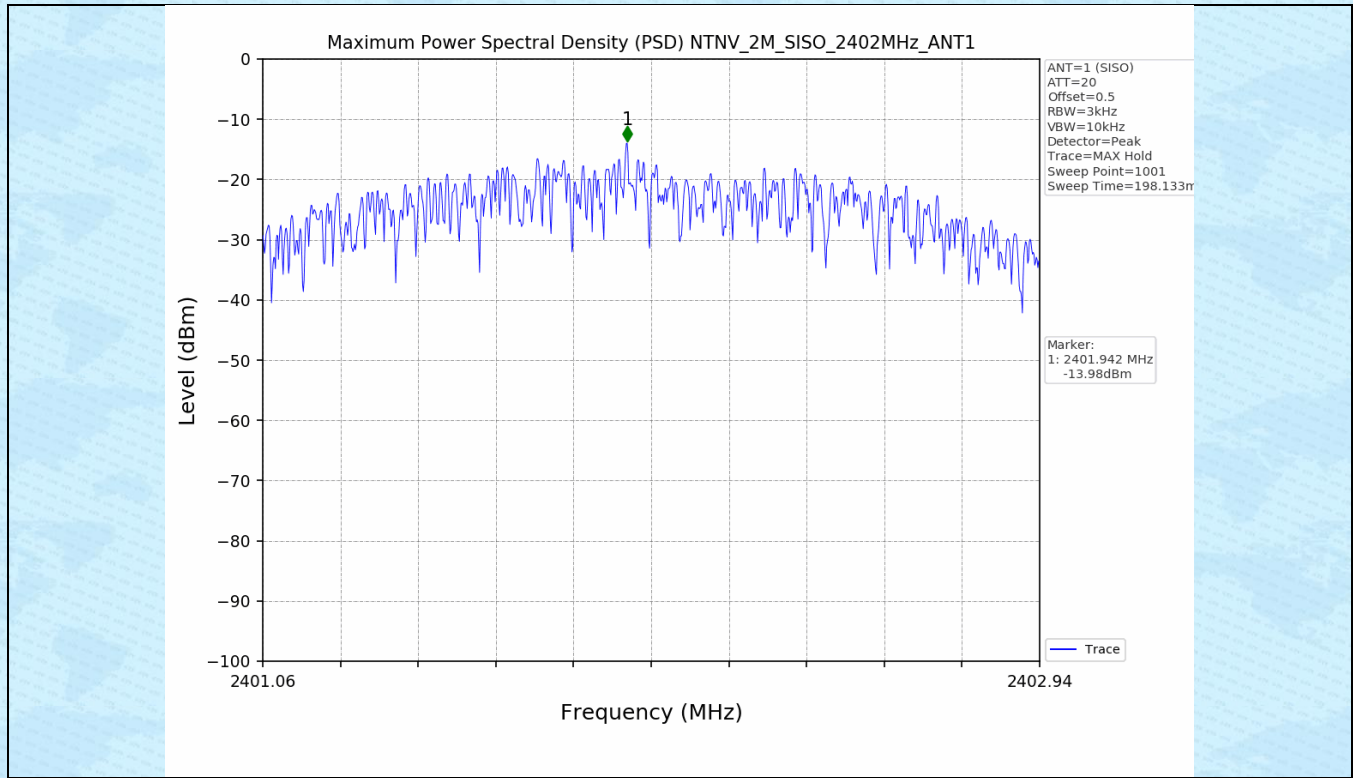
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
GFSK/1M	2402	SISO	-12.17	≤8	PASS
	2440	SISO	-11.00	≤8	PASS
	2480	SISO	-9.97	≤8	PASS

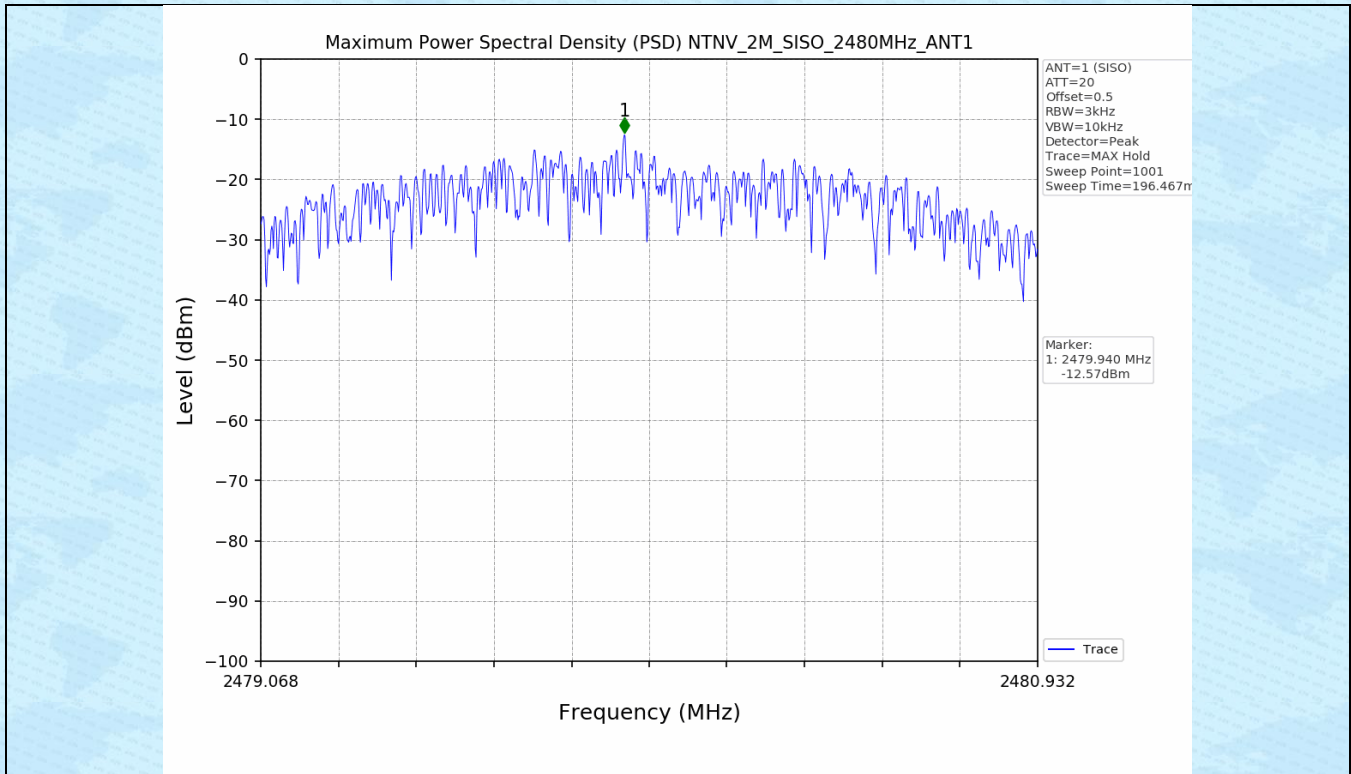
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
GFSK/2M	2402	SISO	-13.98	≤8	PASS
	2440	SISO	-13.12	≤8	PASS
	2480	SISO	-12.57	≤8	PASS

4.2 Test Graph









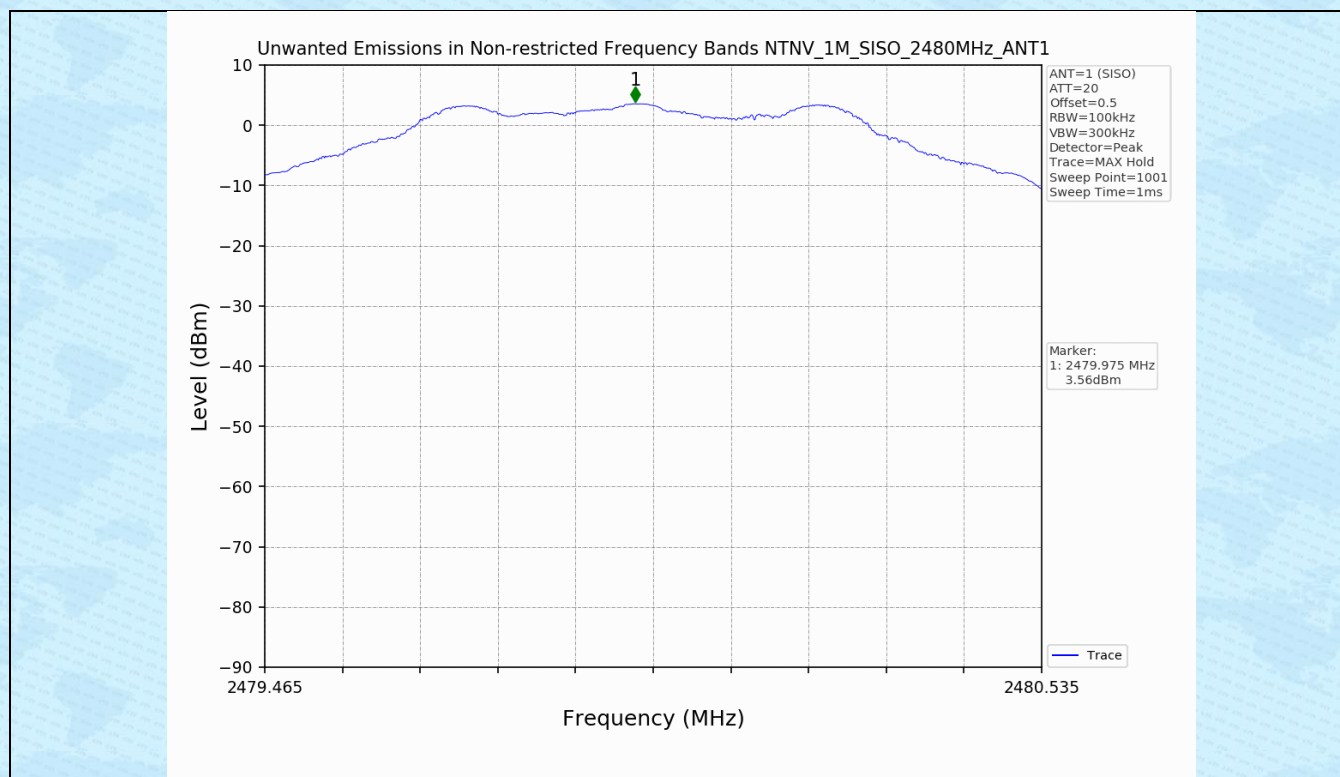
5. Unwanted Emissions in Non-restricted Frequency Bands

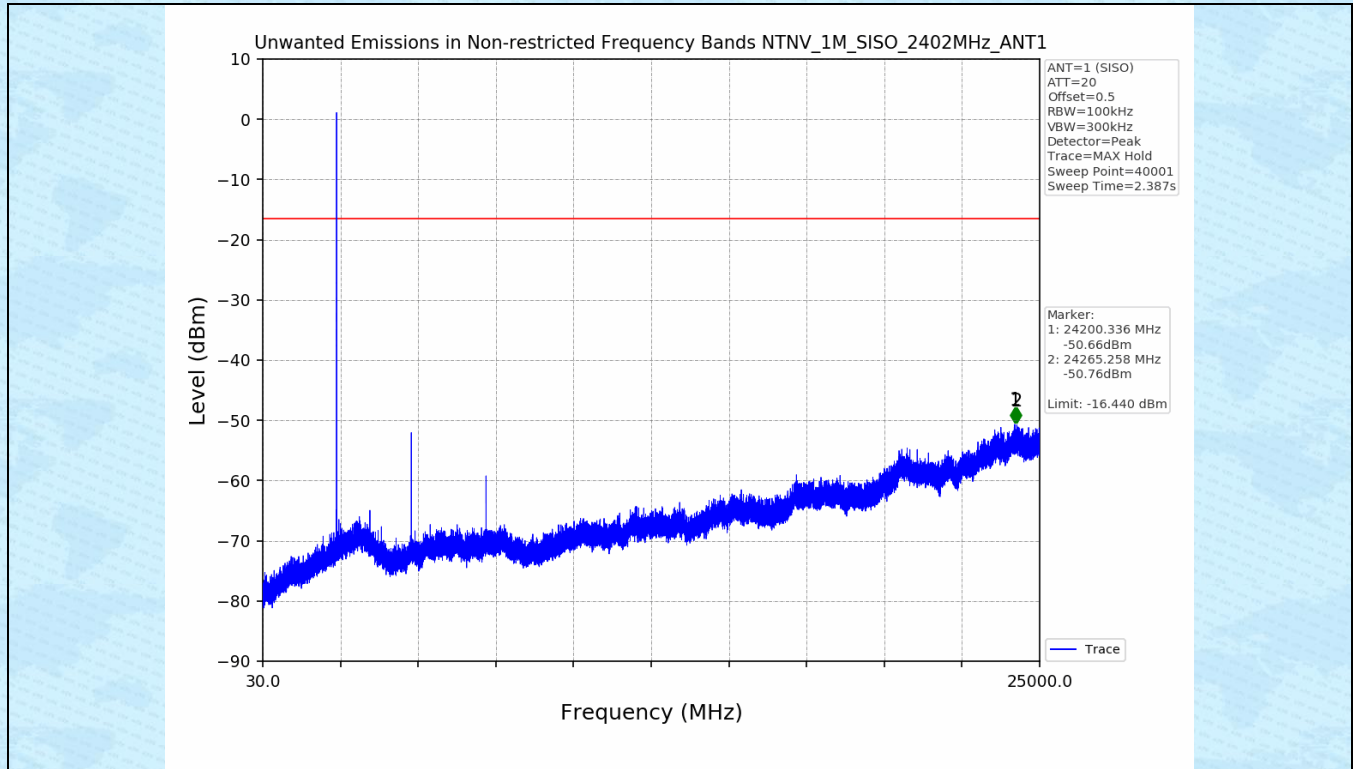
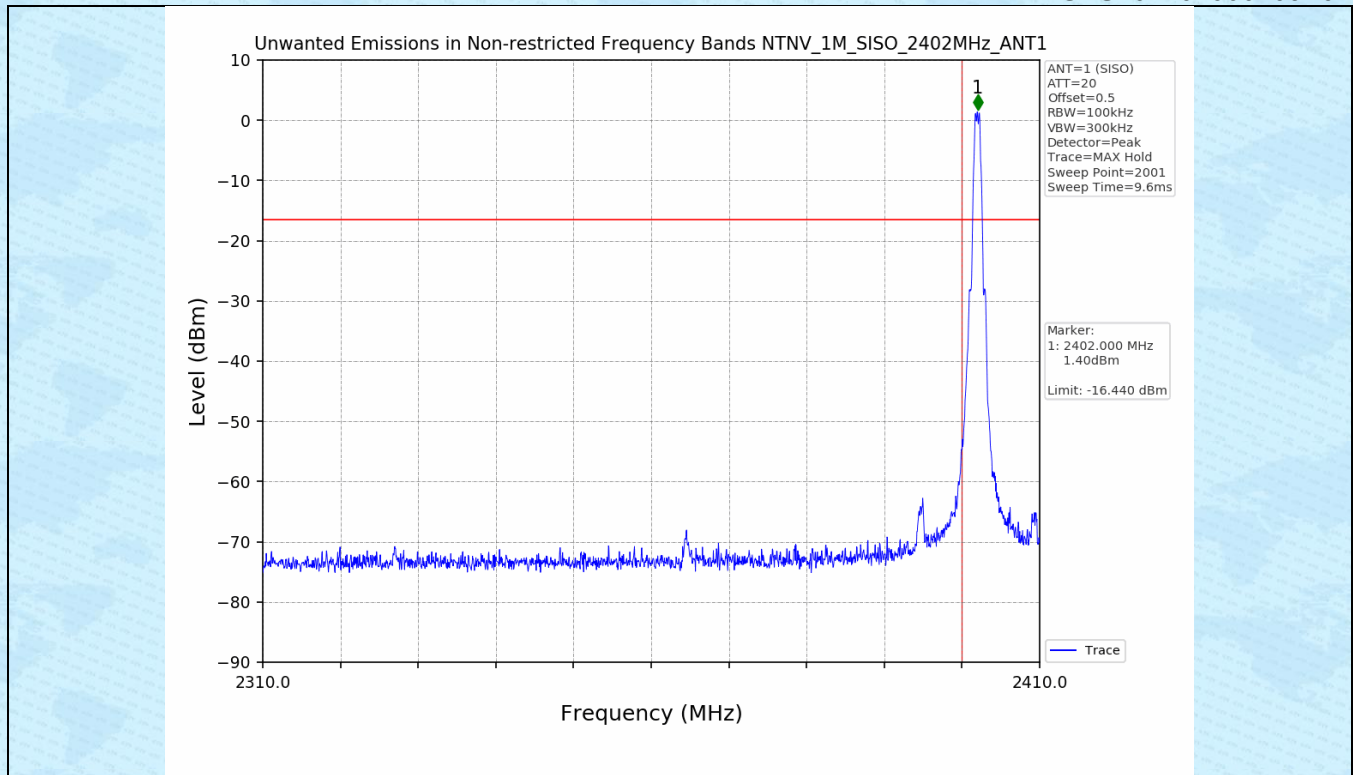
5.1 Test Result

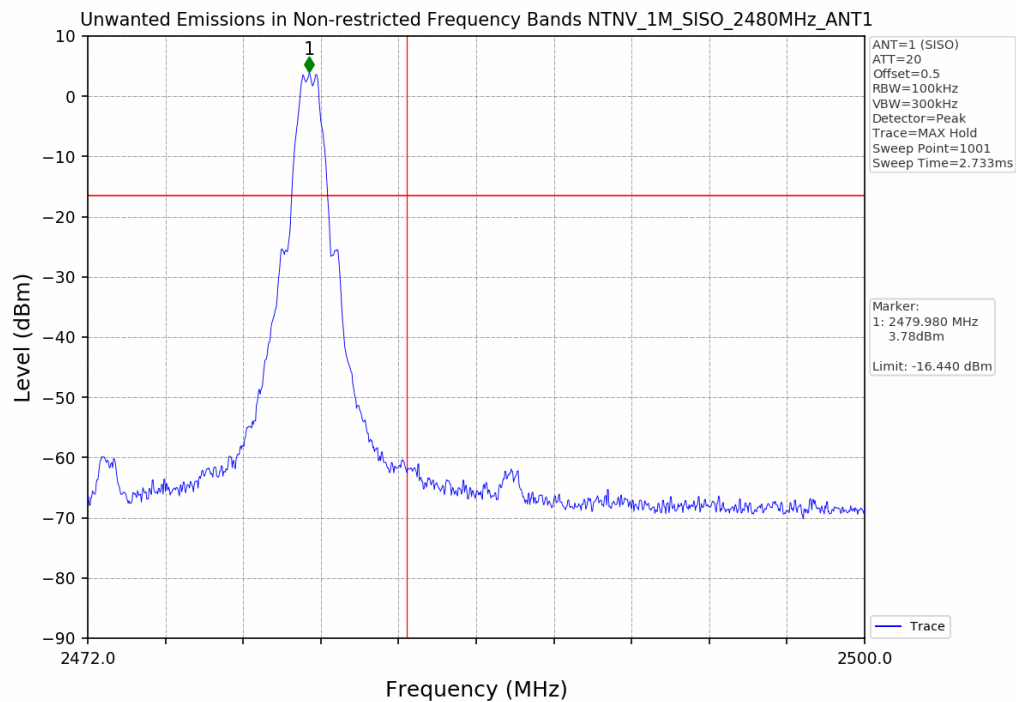
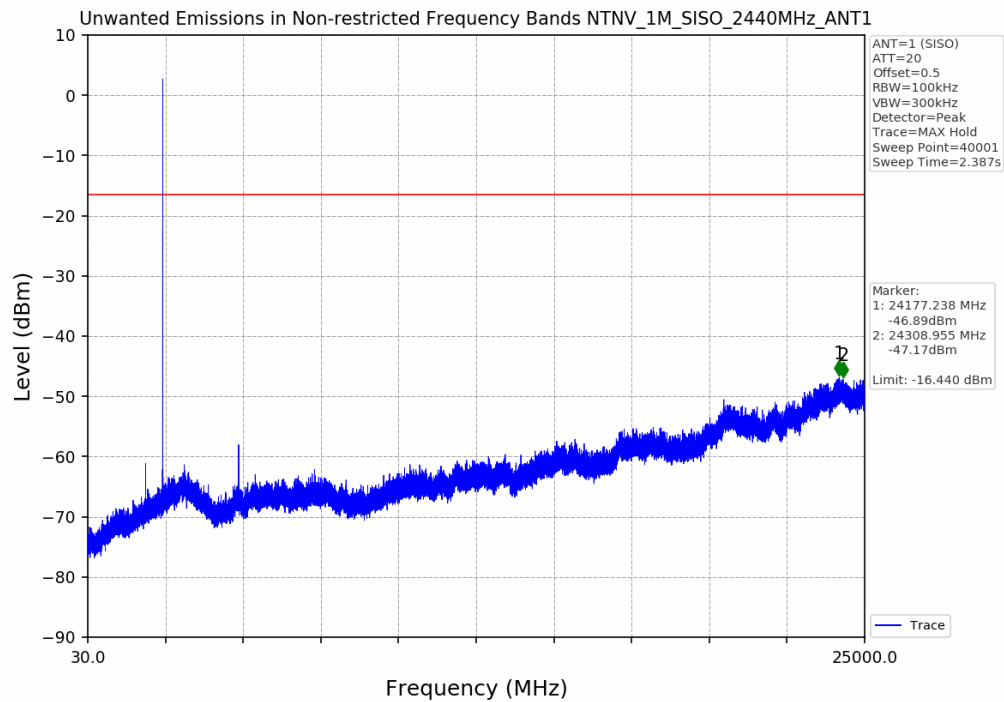
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK/1M	2402	SISO	1	Refer to test graph	-16.44	PASS
	2440	SISO	1	Refer to test graph	-16.44	PASS
	2480	SISO	1	Refer to test graph	-16.44	PASS

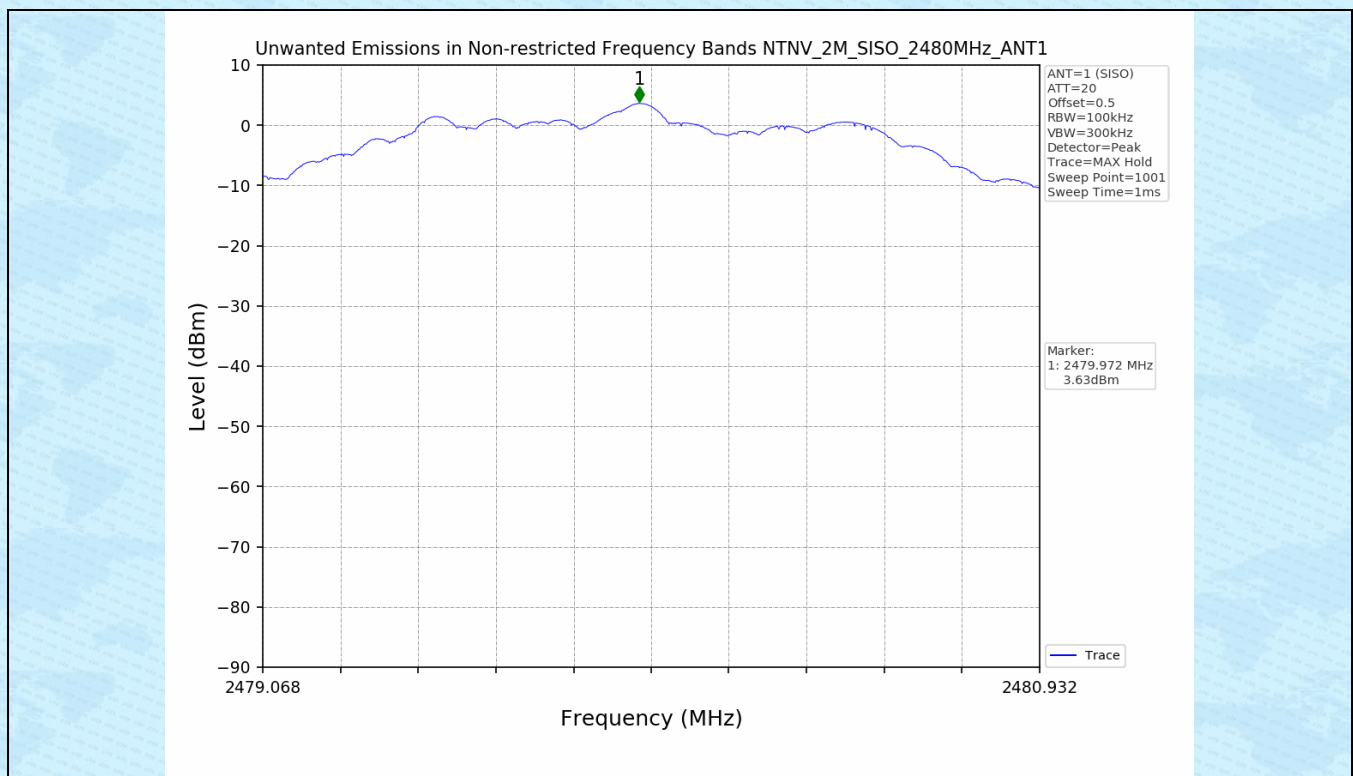
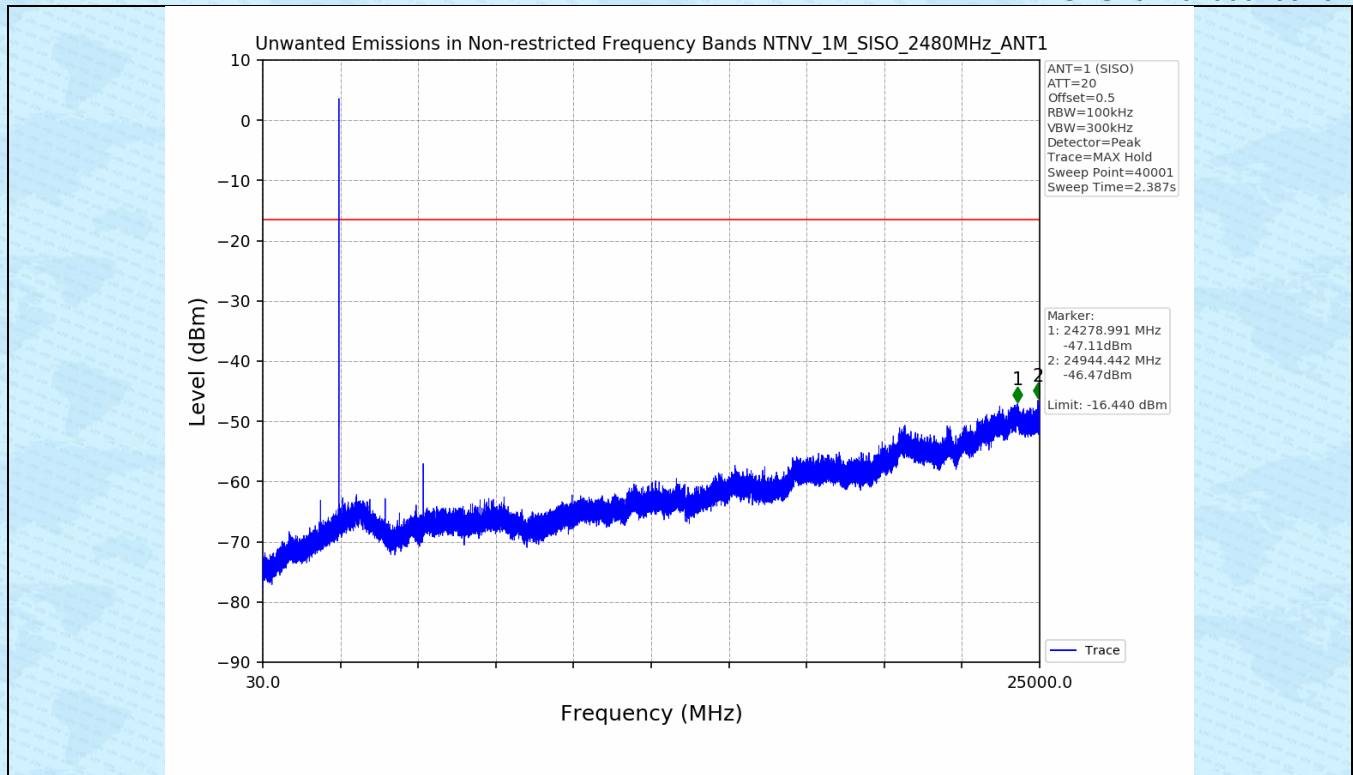
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK/2M	2402	SISO	1	Refer to test graph	-16.37	PASS
	2440	SISO	1	Refer to test graph	-16.37	PASS
	2480	SISO	1	Refer to test graph	-16.37	PASS

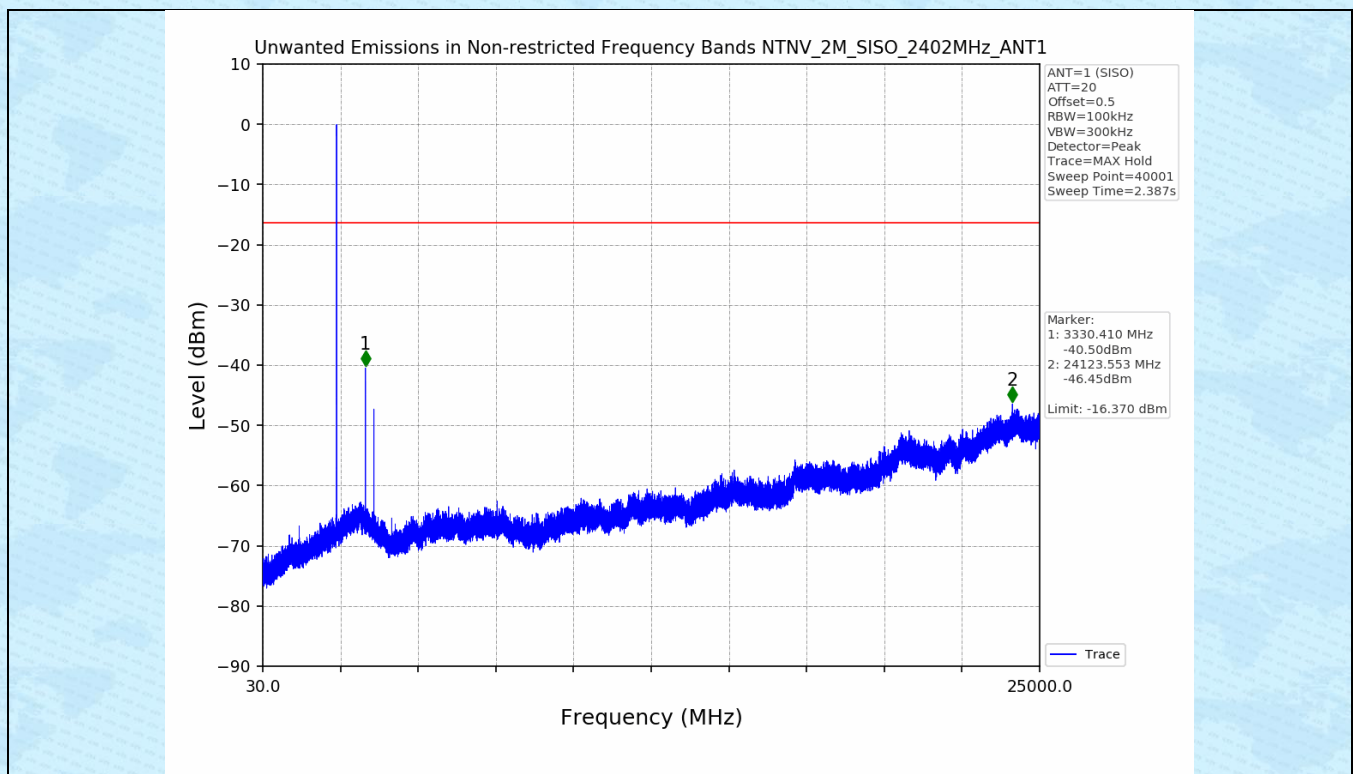
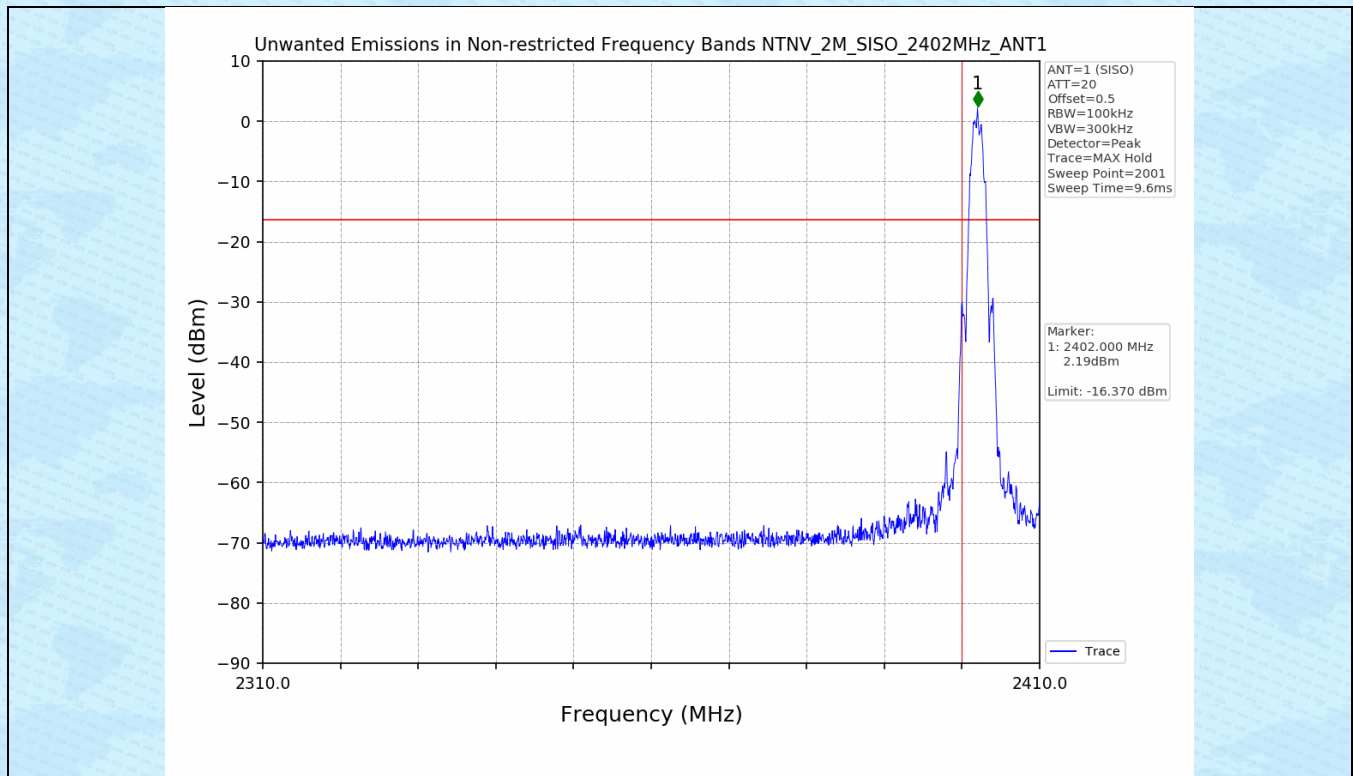
5.2 Test Graph

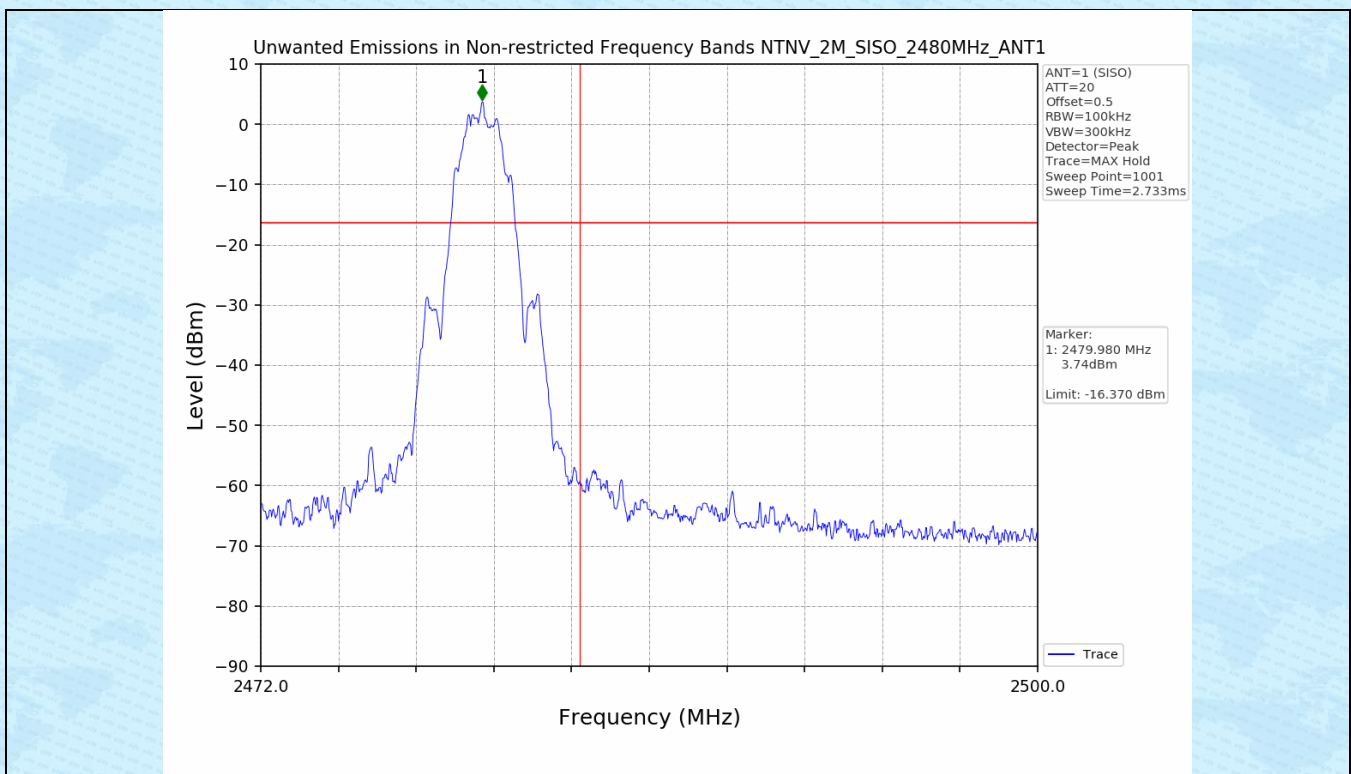
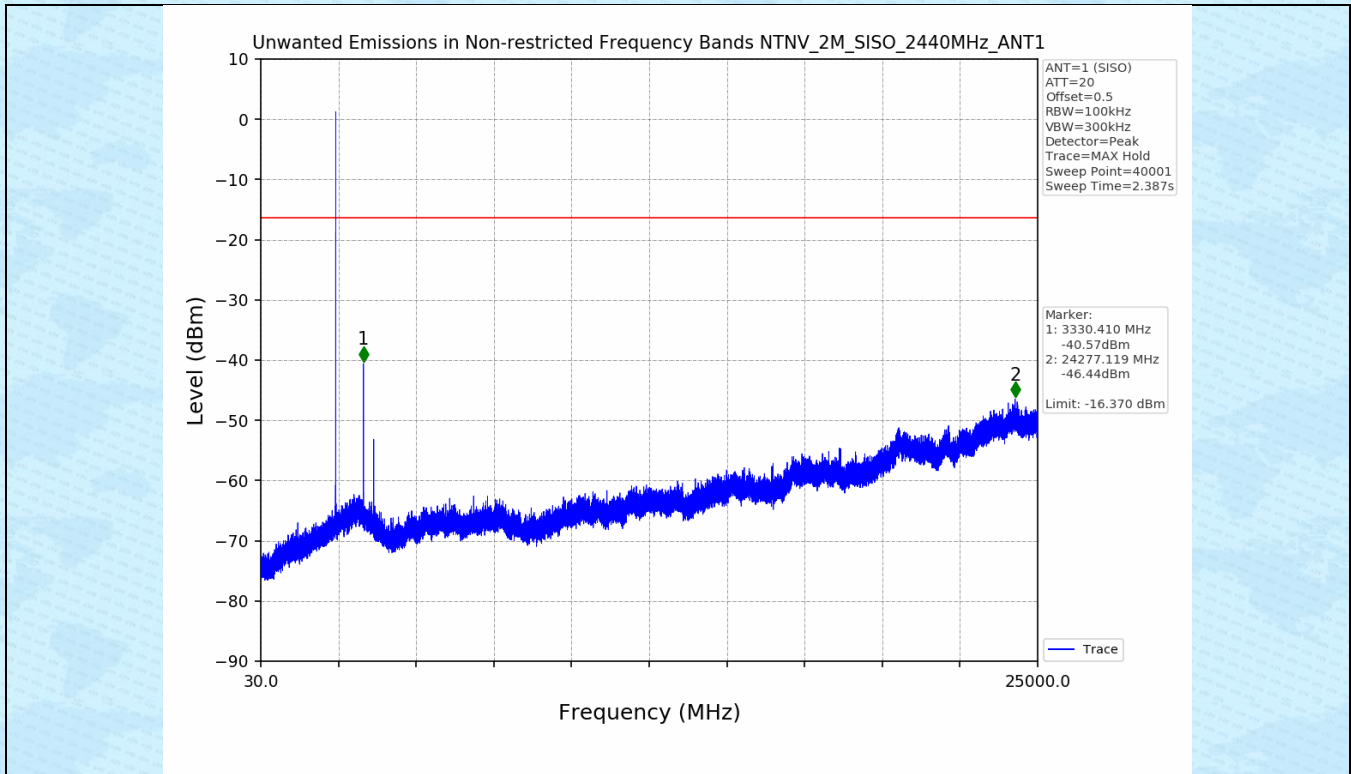


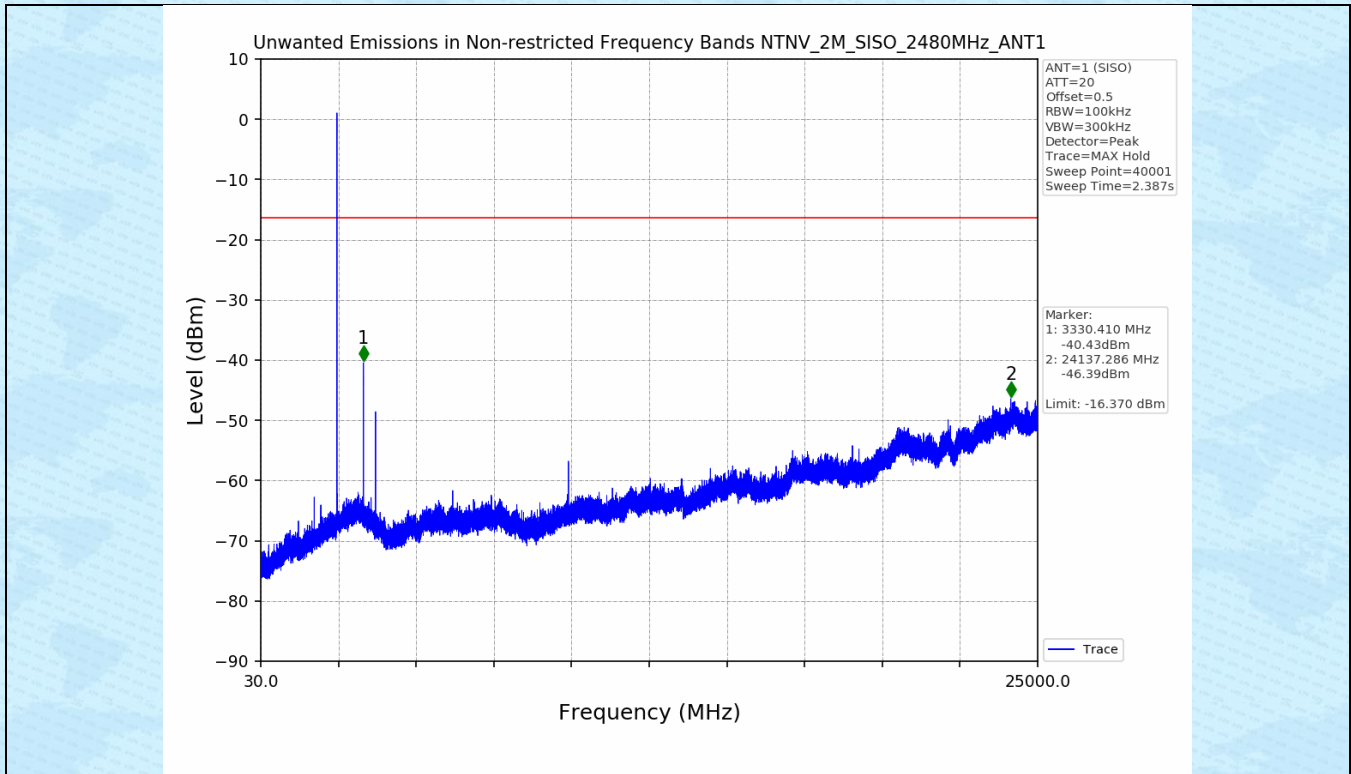












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