

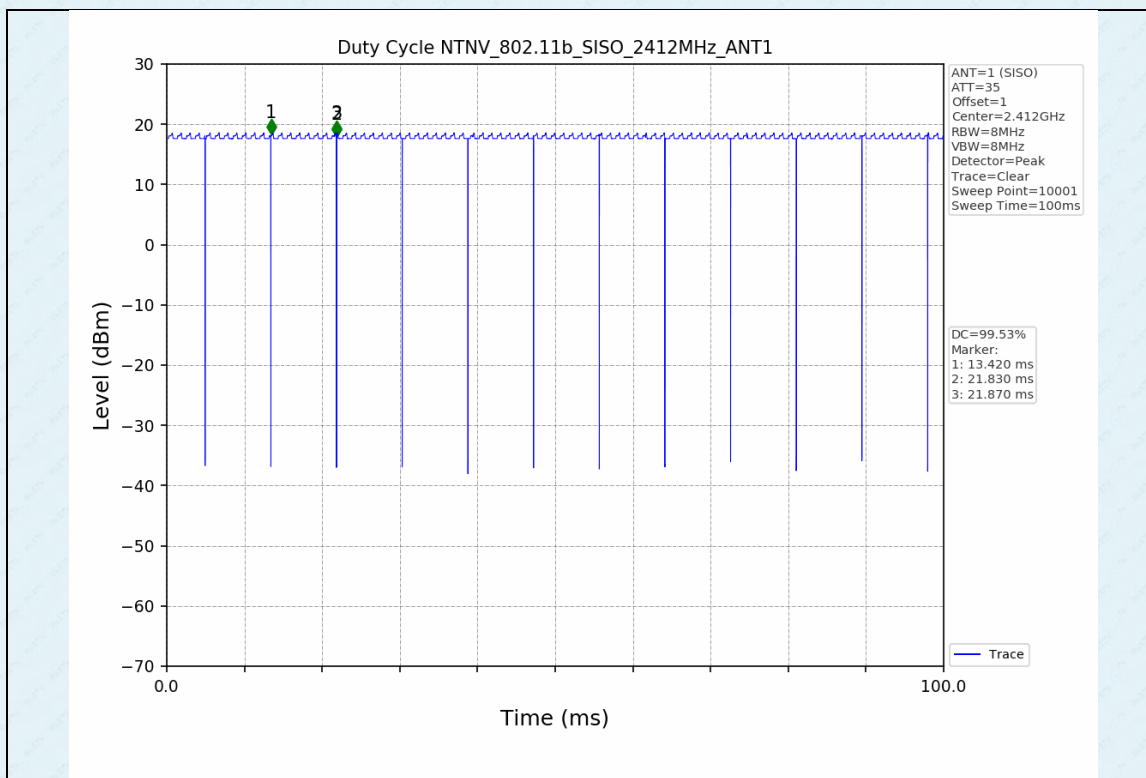
Appendix for 15.247

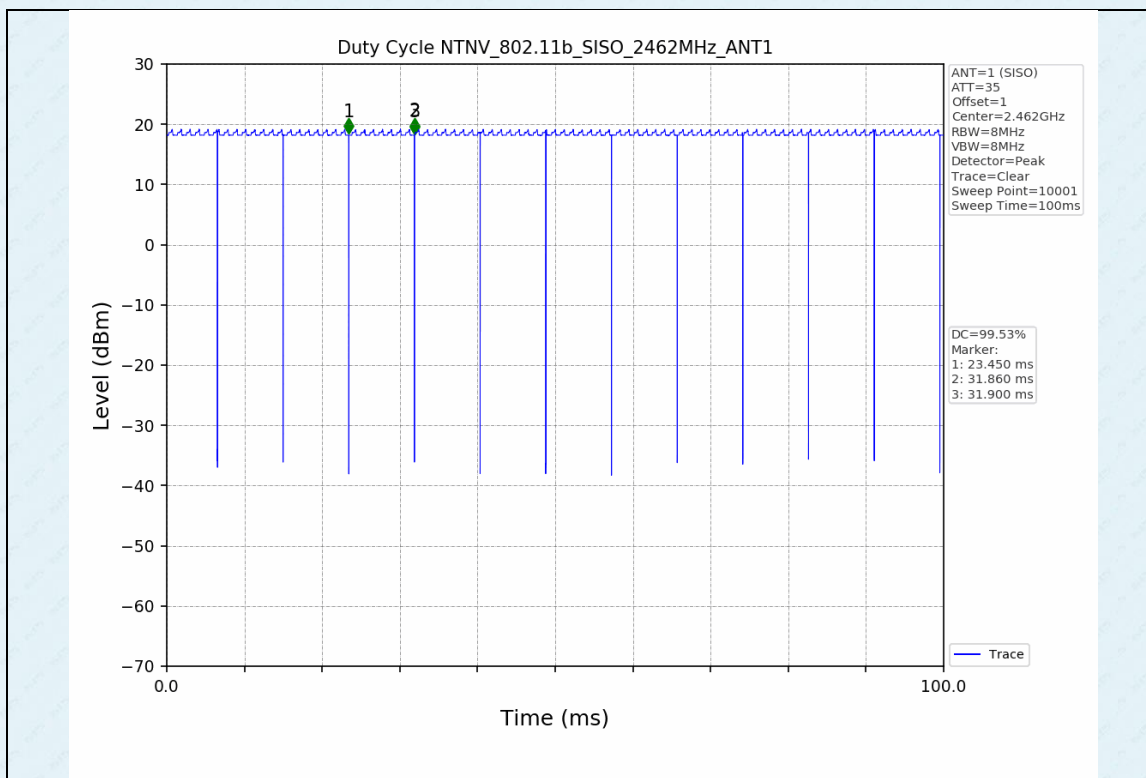
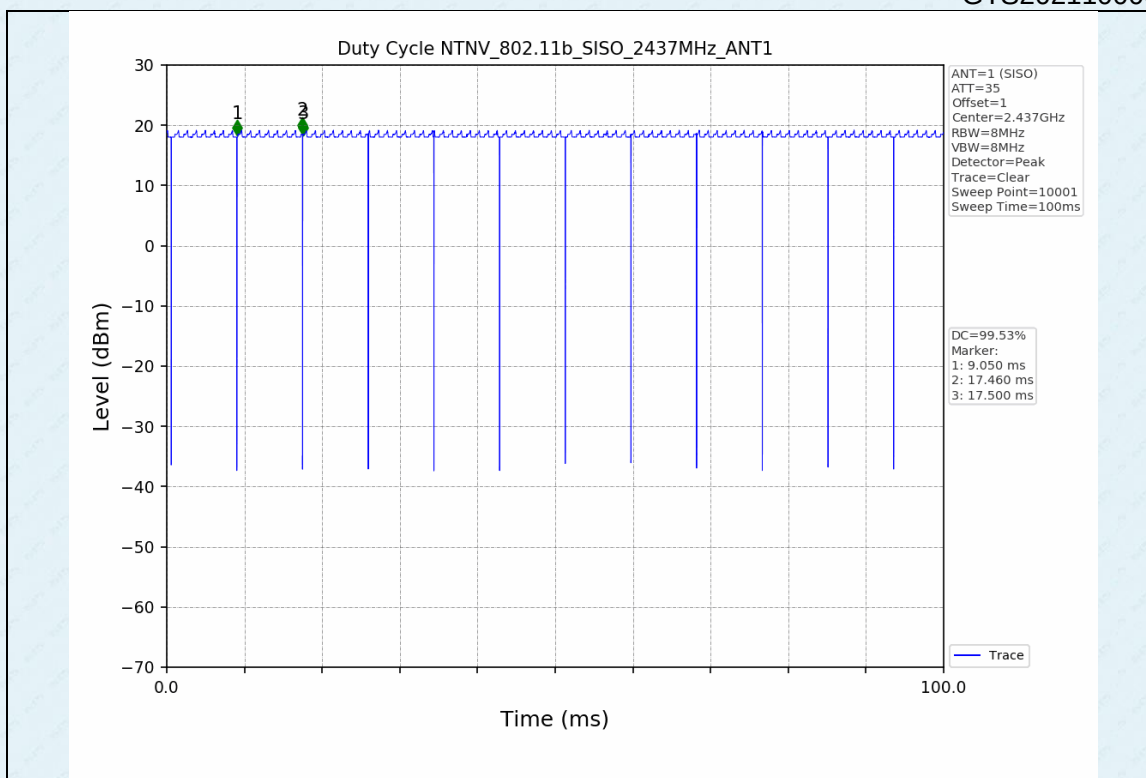
1. Duty Cycle

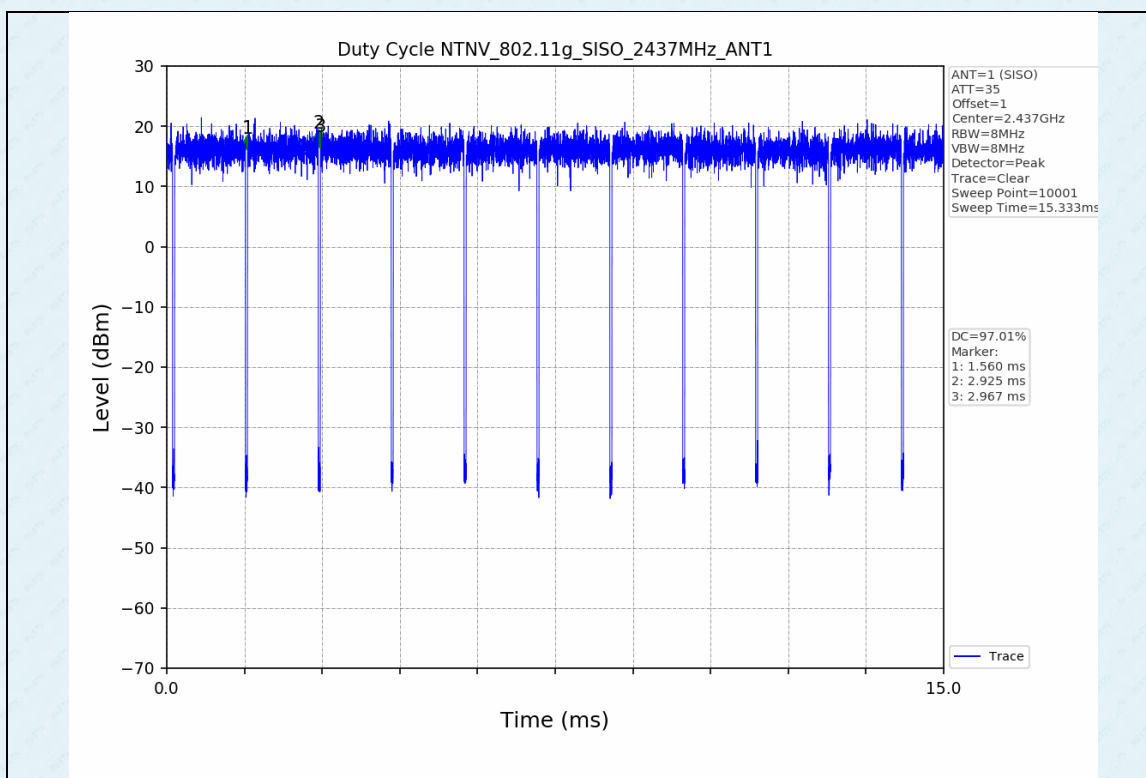
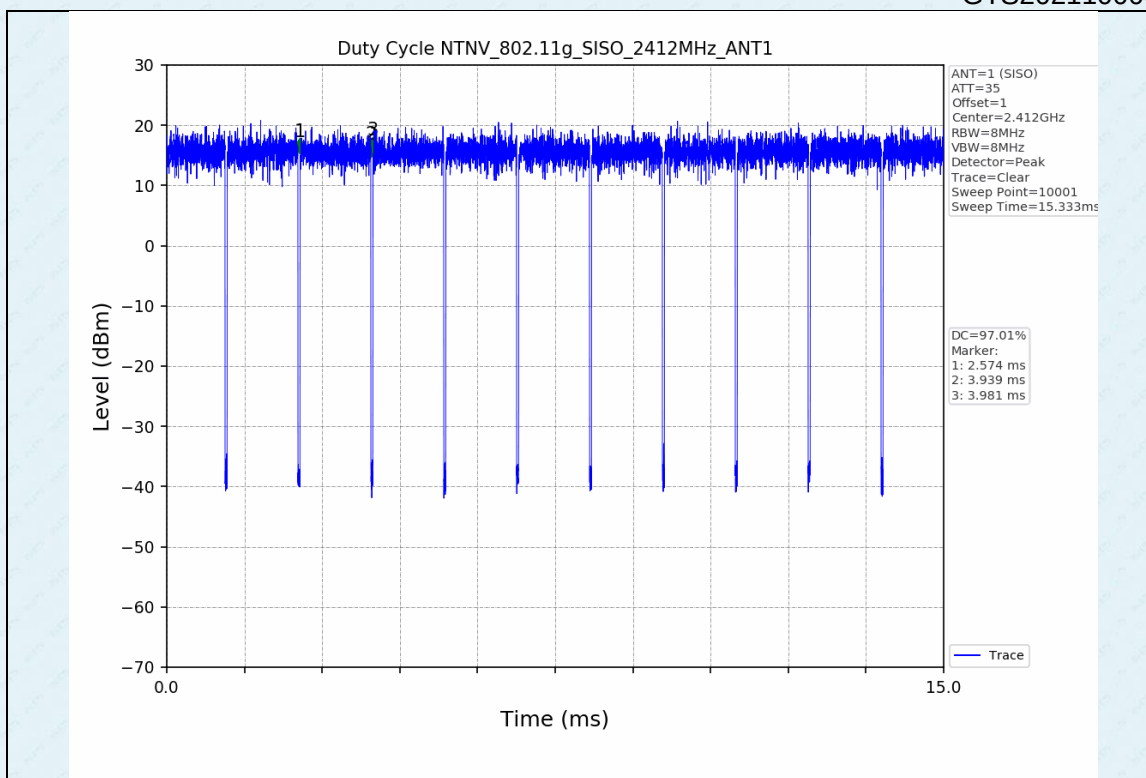
1.1 Test Result

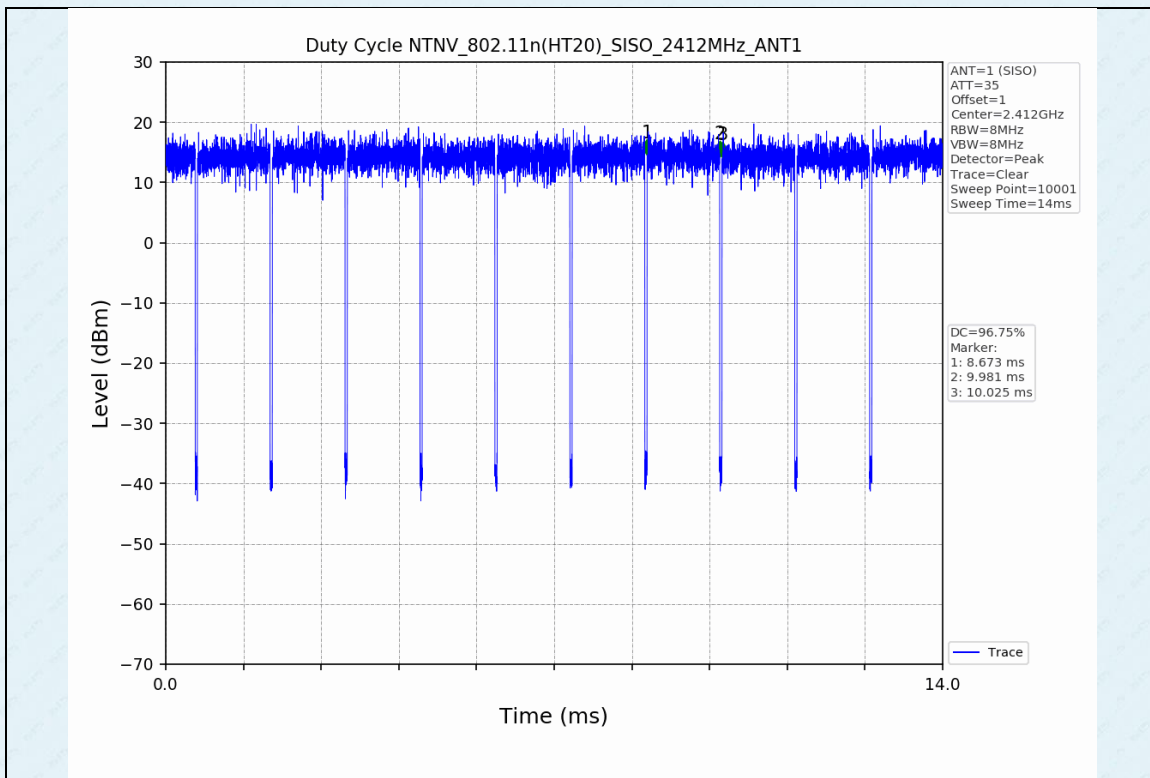
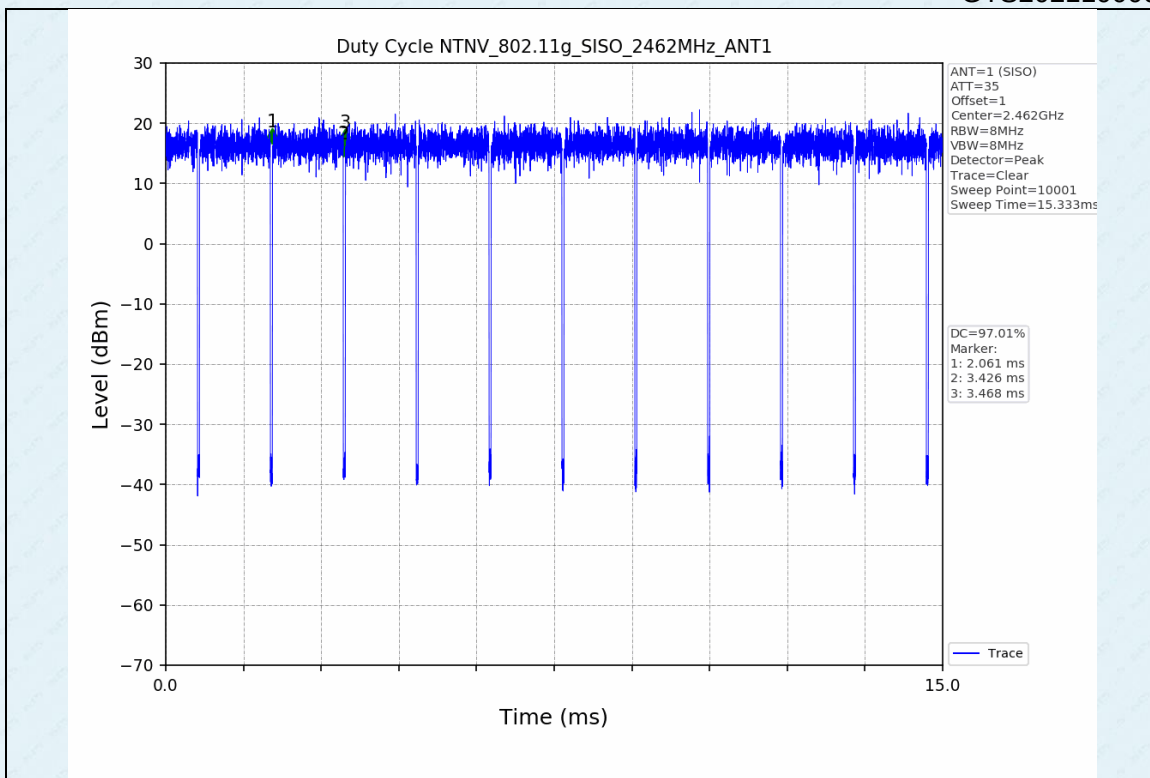
Test Mode	Channel Frequency(M Hz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	8.410	8.450	99.53	0.02
	2437	SISO	1	8.410	8.450	99.53	0.02
	2462	SISO	1	8.410	8.450	99.53	0.02
802.11g	2412	SISO	1	1.365	1.407	97.01	0.13
	2437	SISO	1	1.365	1.407	97.01	0.13
	2462	SISO	1	1.365	1.407	97.01	0.13
802.11n(HT20)	2412	SISO	1	1.308	1.352	96.75	0.14
	2437	SISO	1	1.307	1.351	96.74	0.14
	2462	SISO	1	1.307	1.351	96.74	0.14

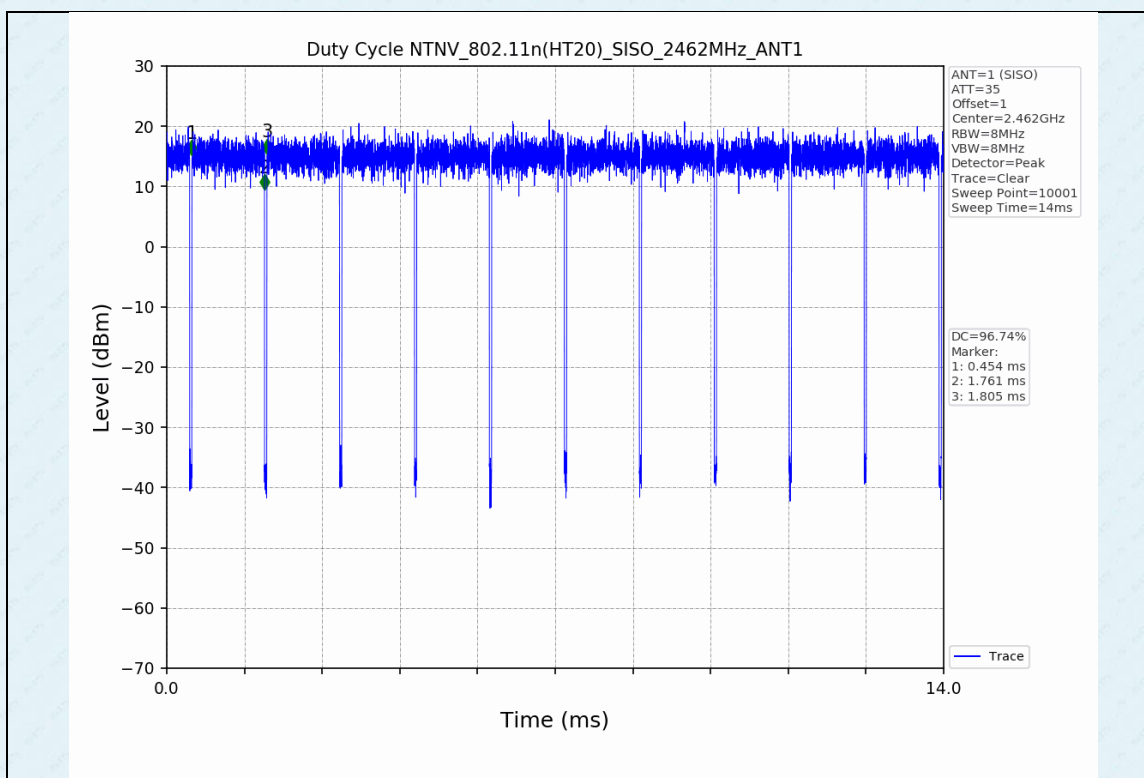
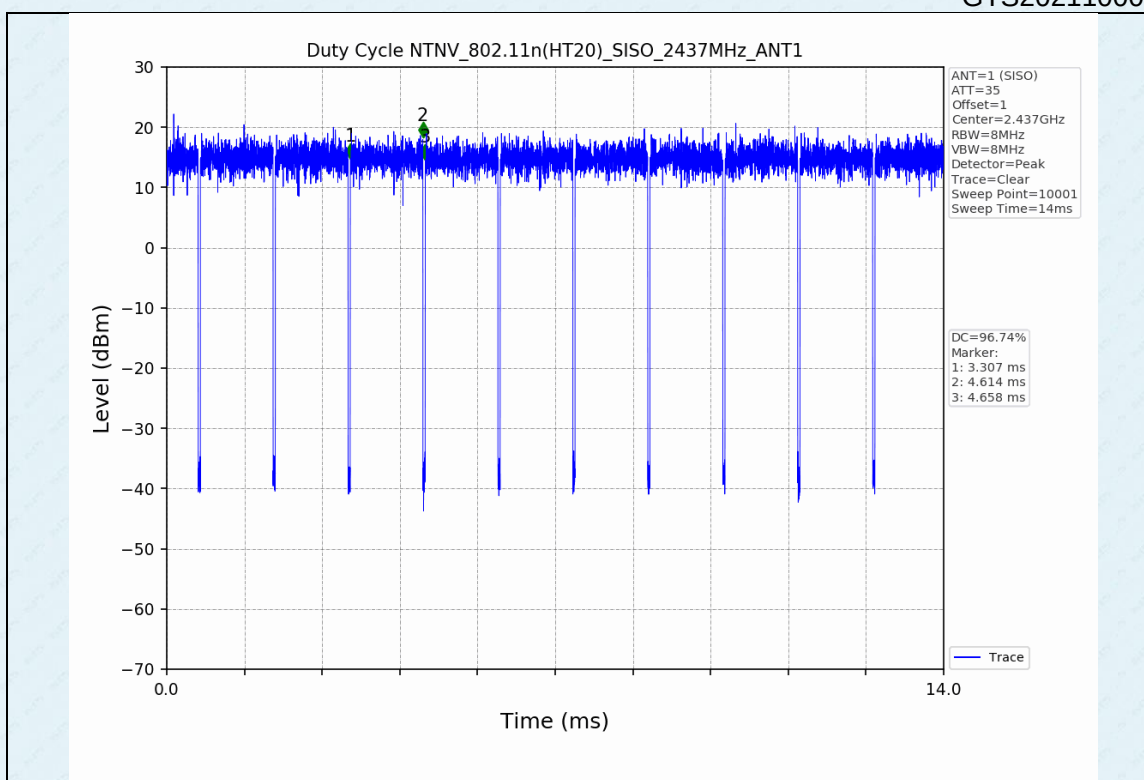
1.2 Test Graph











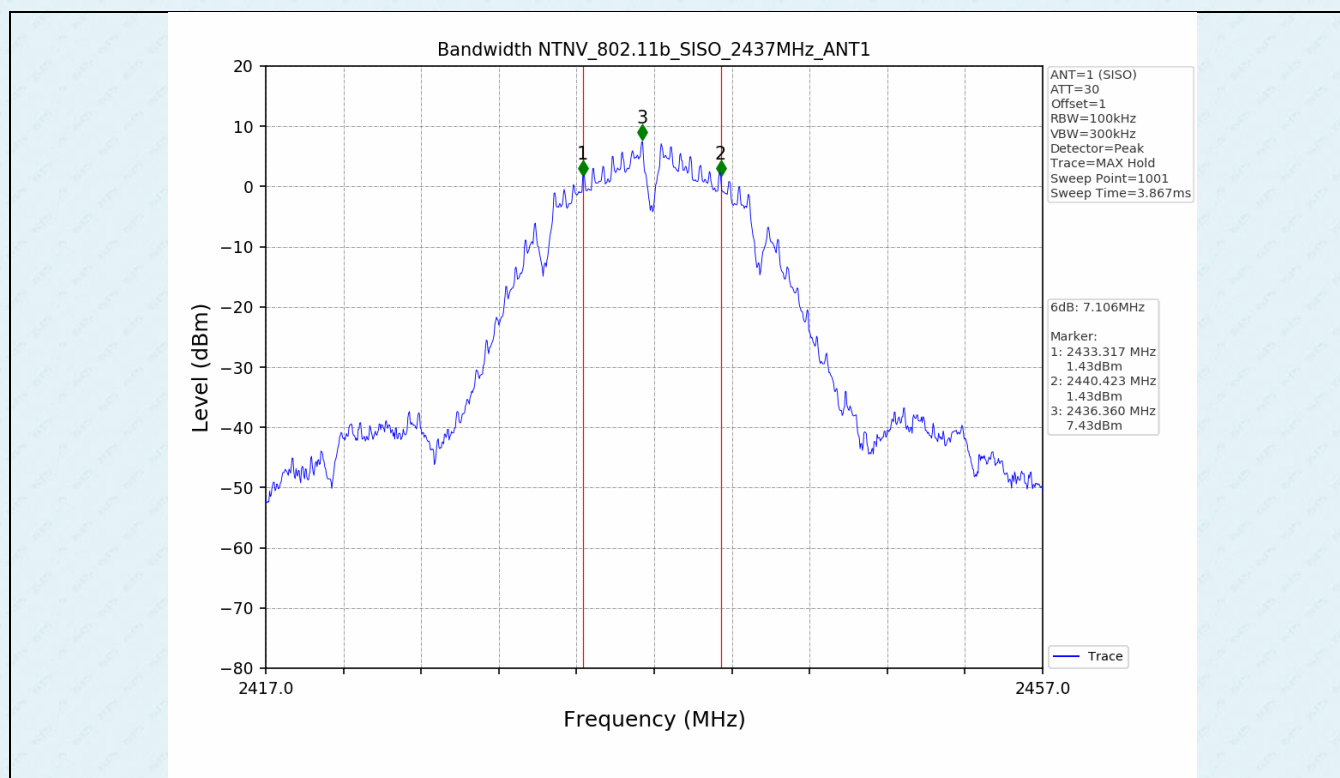
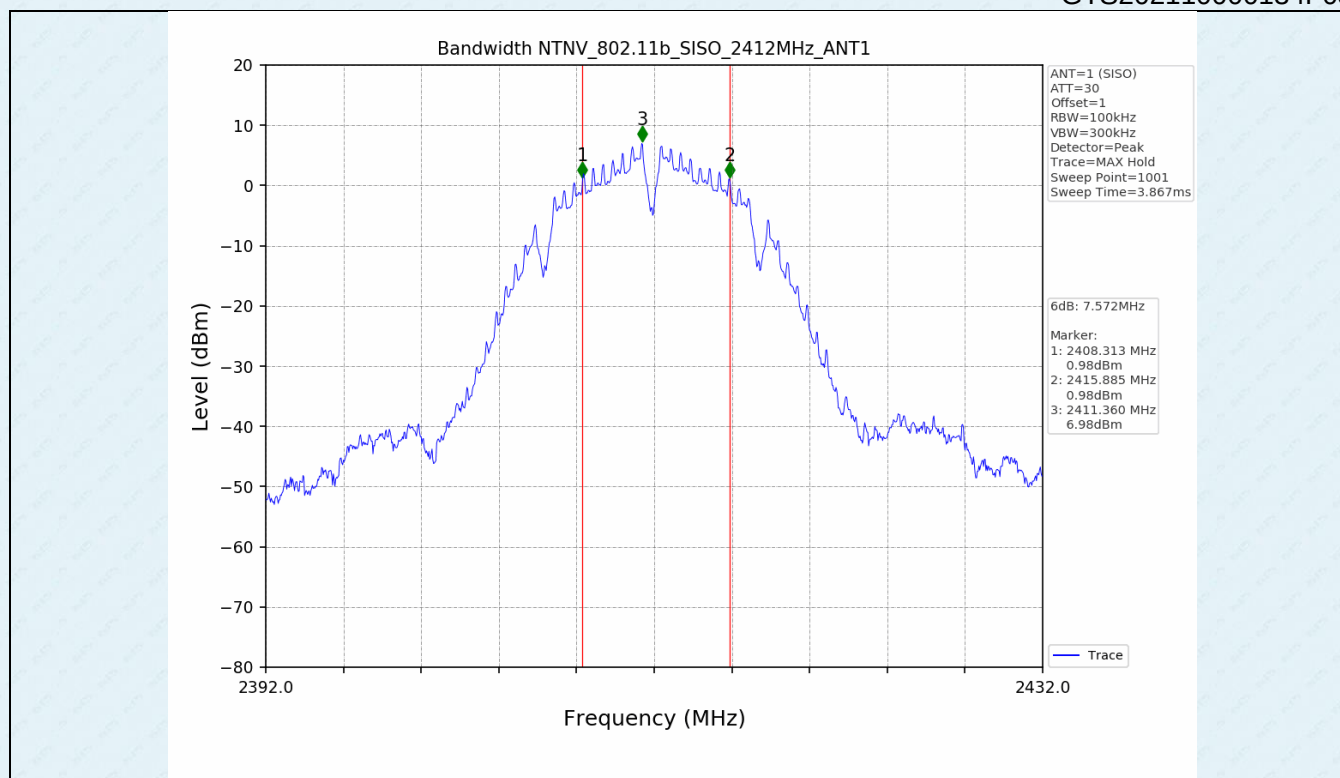
2. Bandwidth

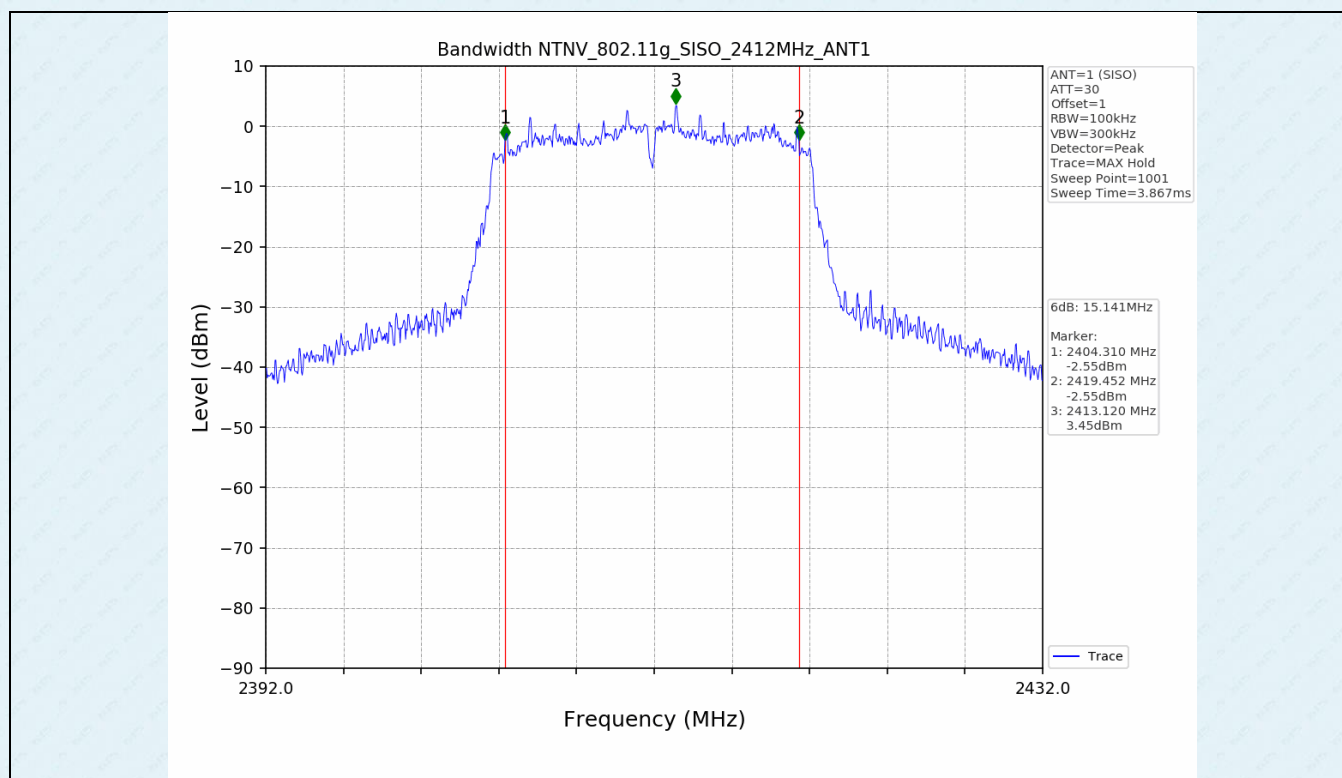
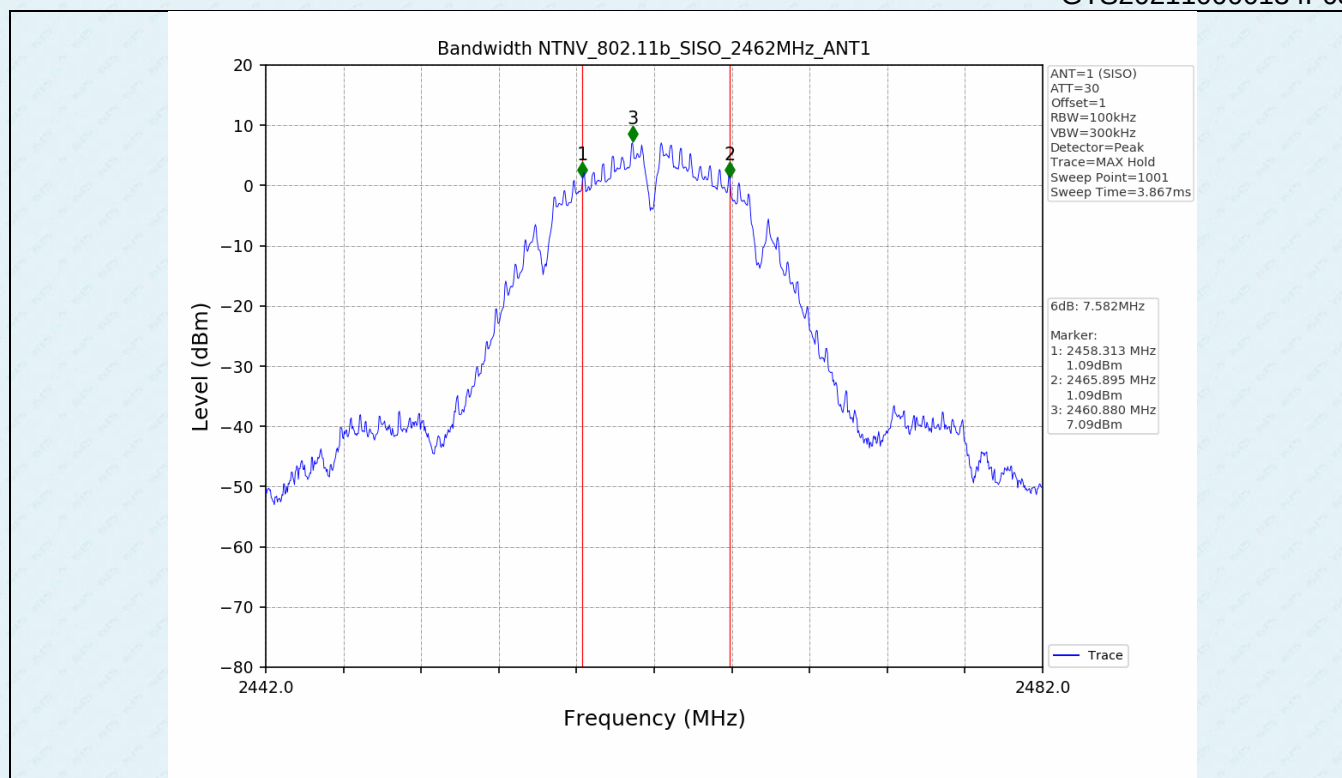
2.1 Test Result

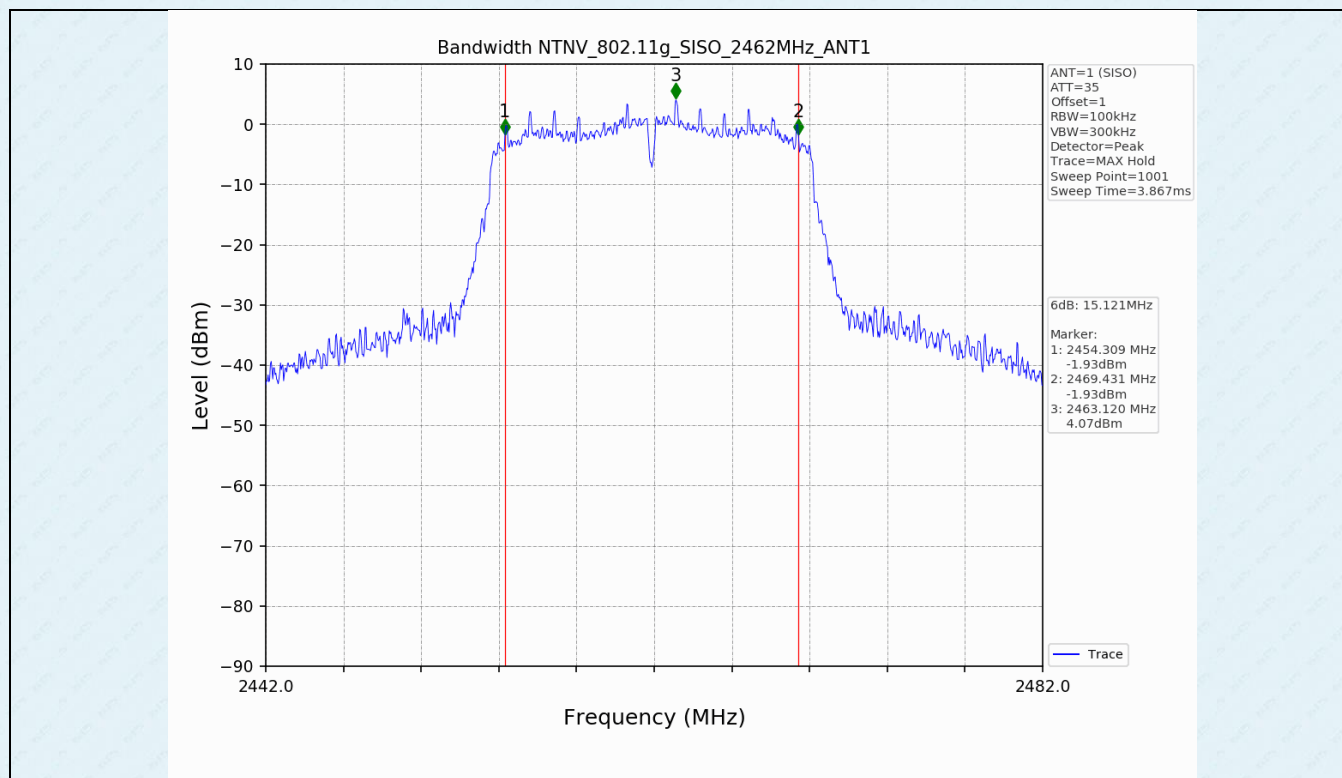
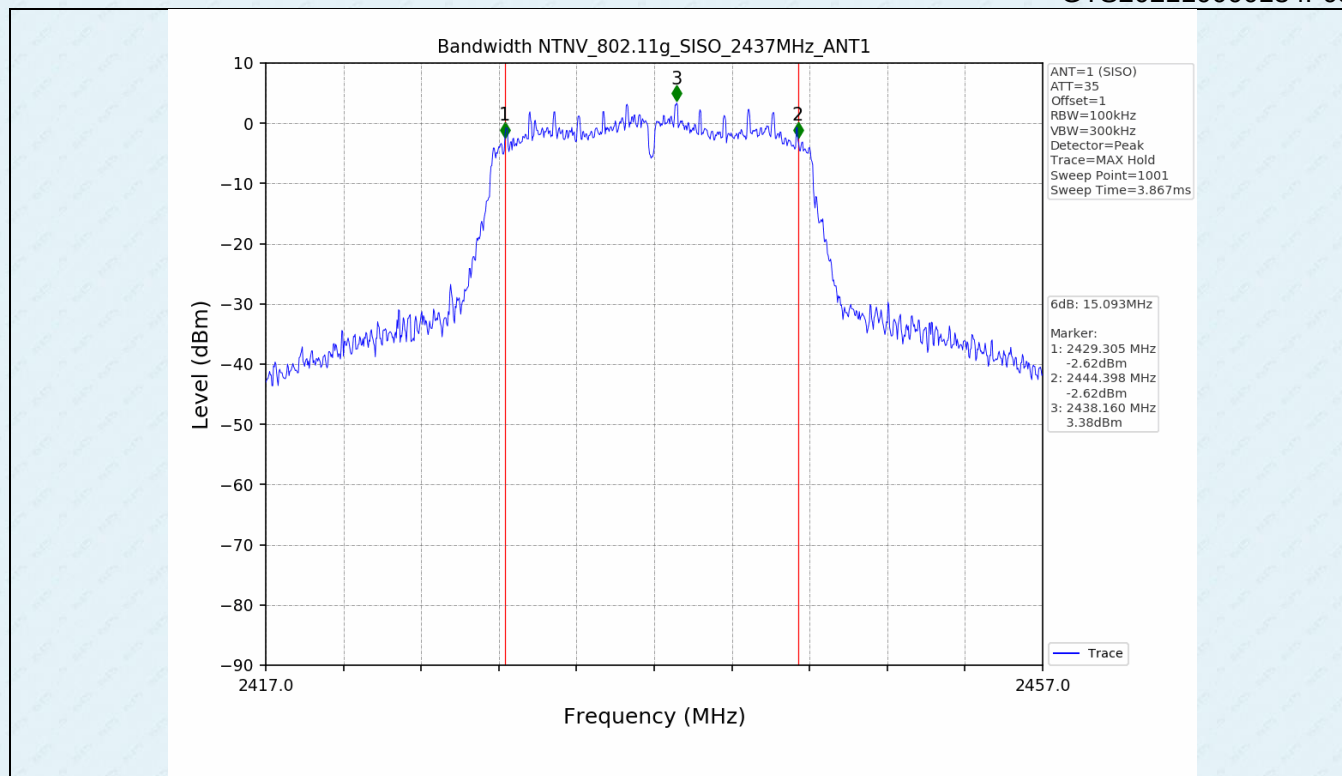
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	7.572	≥0.5	PASS
	2437	SISO	1	7.106	≥0.5	PASS
	2462	SISO	1	7.582	≥0.5	PASS
802.11g	2412	SISO	1	15.141	≥0.5	PASS
	2437	SISO	1	15.093	≥0.5	PASS
	2462	SISO	1	15.121	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	15.065	≥0.5	PASS
	2437	SISO	1	15.137	≥0.5	PASS
	2462	SISO	1	15.112	≥0.5	PASS

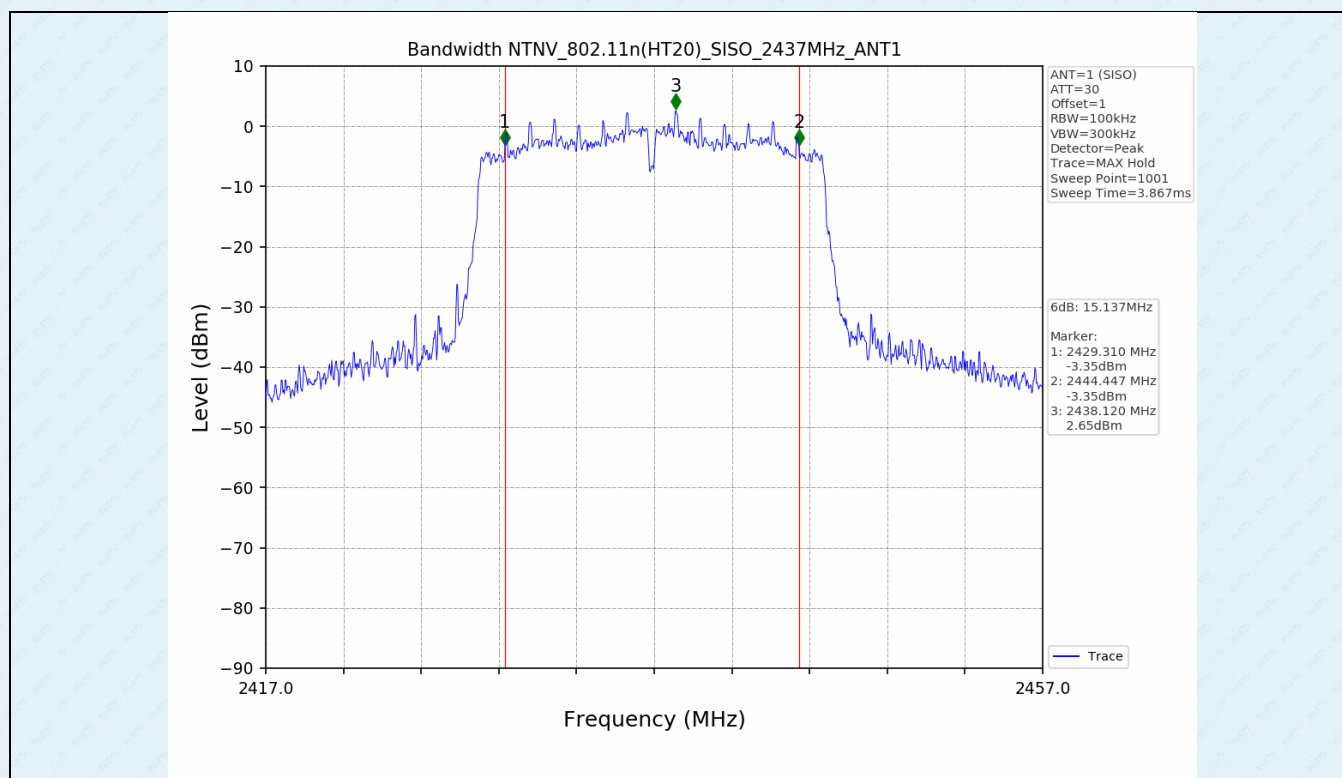
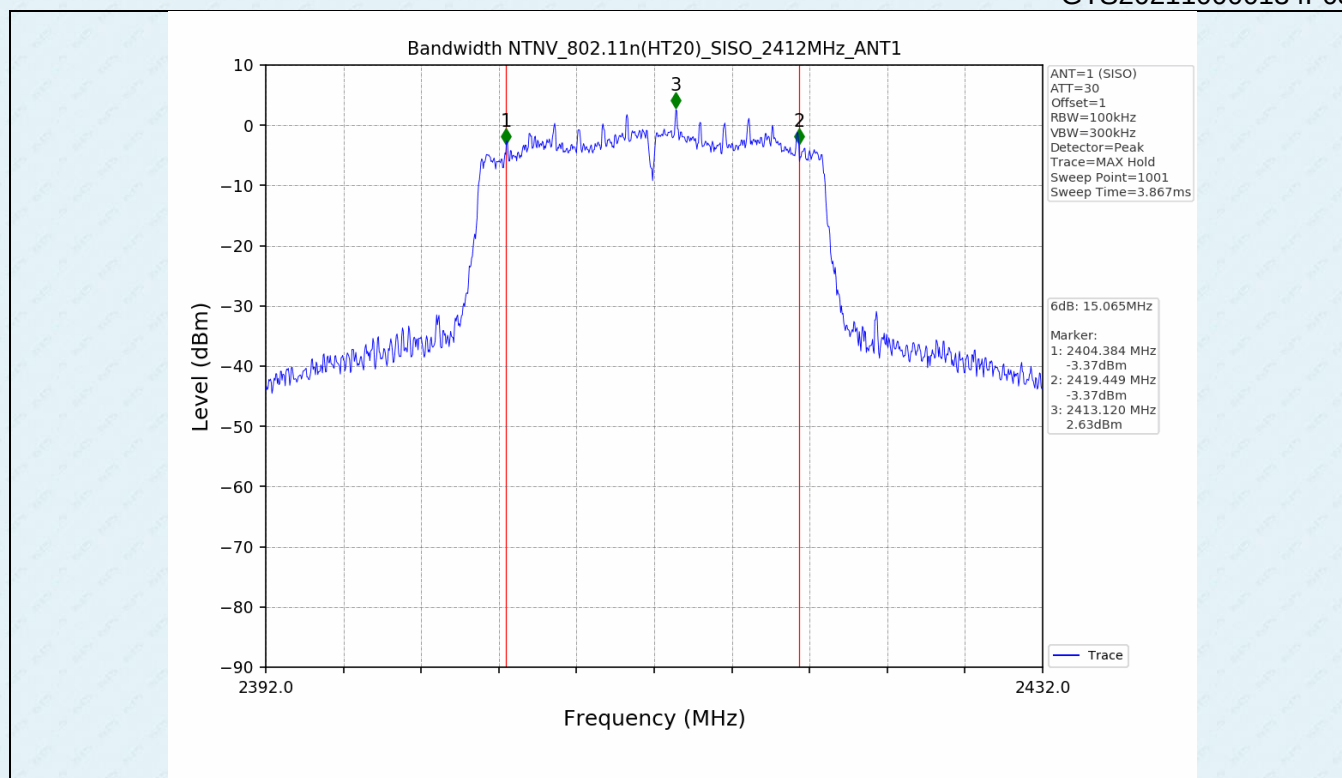
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	12.345	Only for Report Use
	2437	SISO	1	12.263	Only for Report Use
	2462	SISO	1	12.317	Only for Report Use
802.11g	2412	SISO	1	16.610	Only for Report Use
	2437	SISO	1	16.556	Only for Report Use
	2462	SISO	1	16.542	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.524	Only for Report Use
	2437	SISO	1	17.492	Only for Report Use
	2462	SISO	1	17.499	Only for Report Use

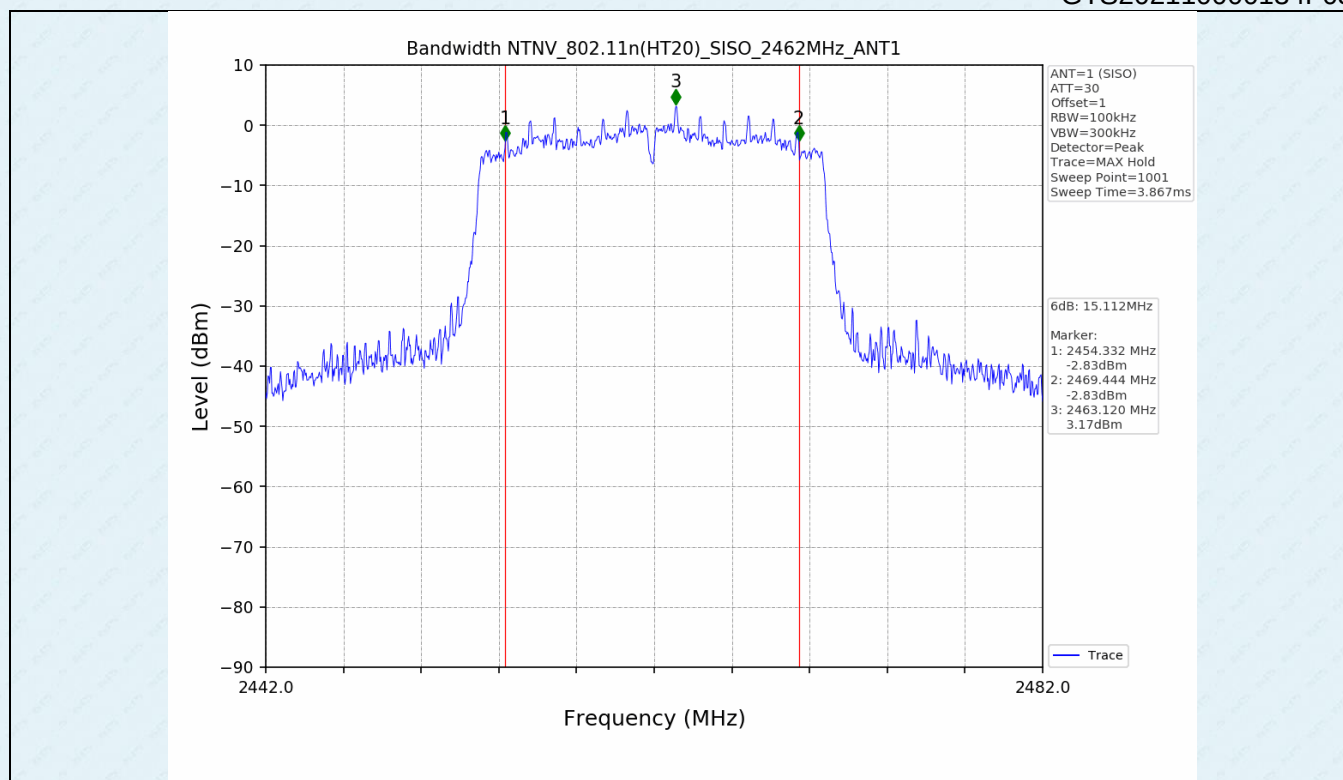
2.2 Test Graph - 6dB Bandwidth



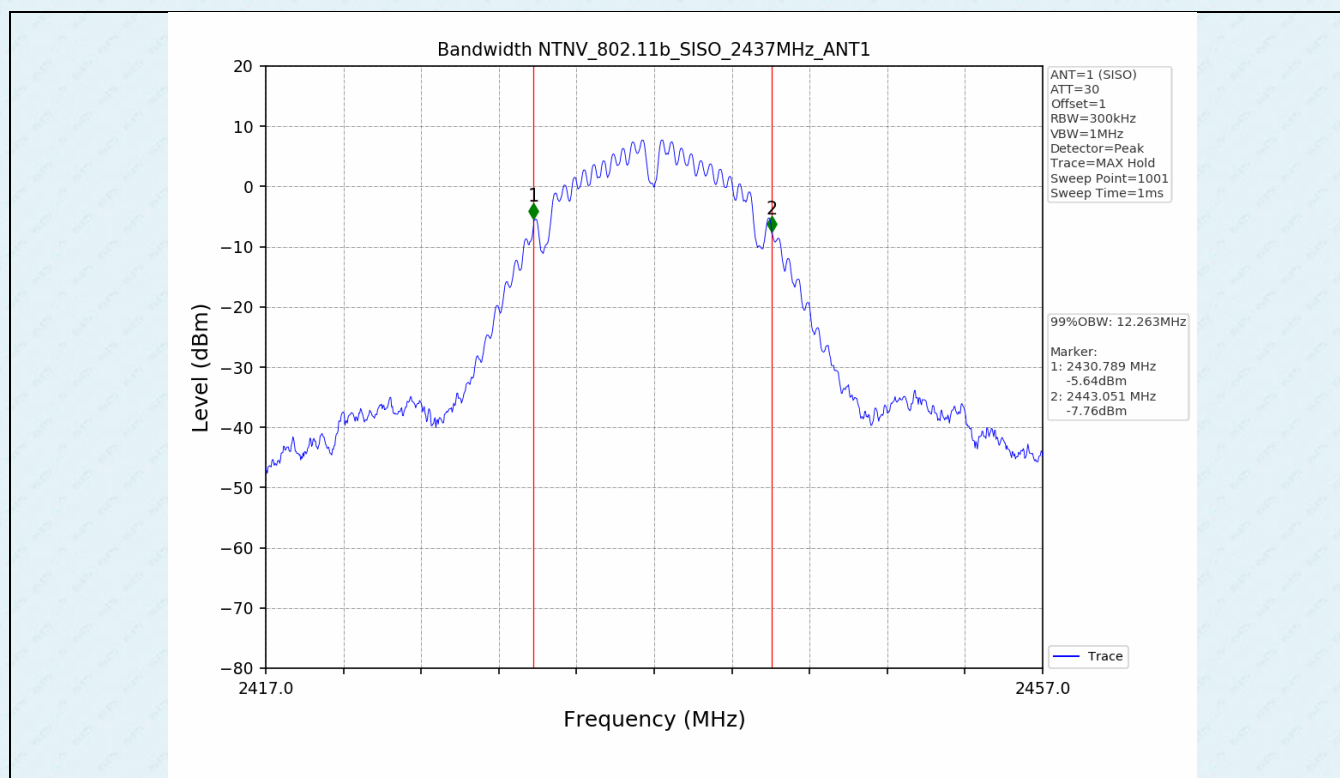
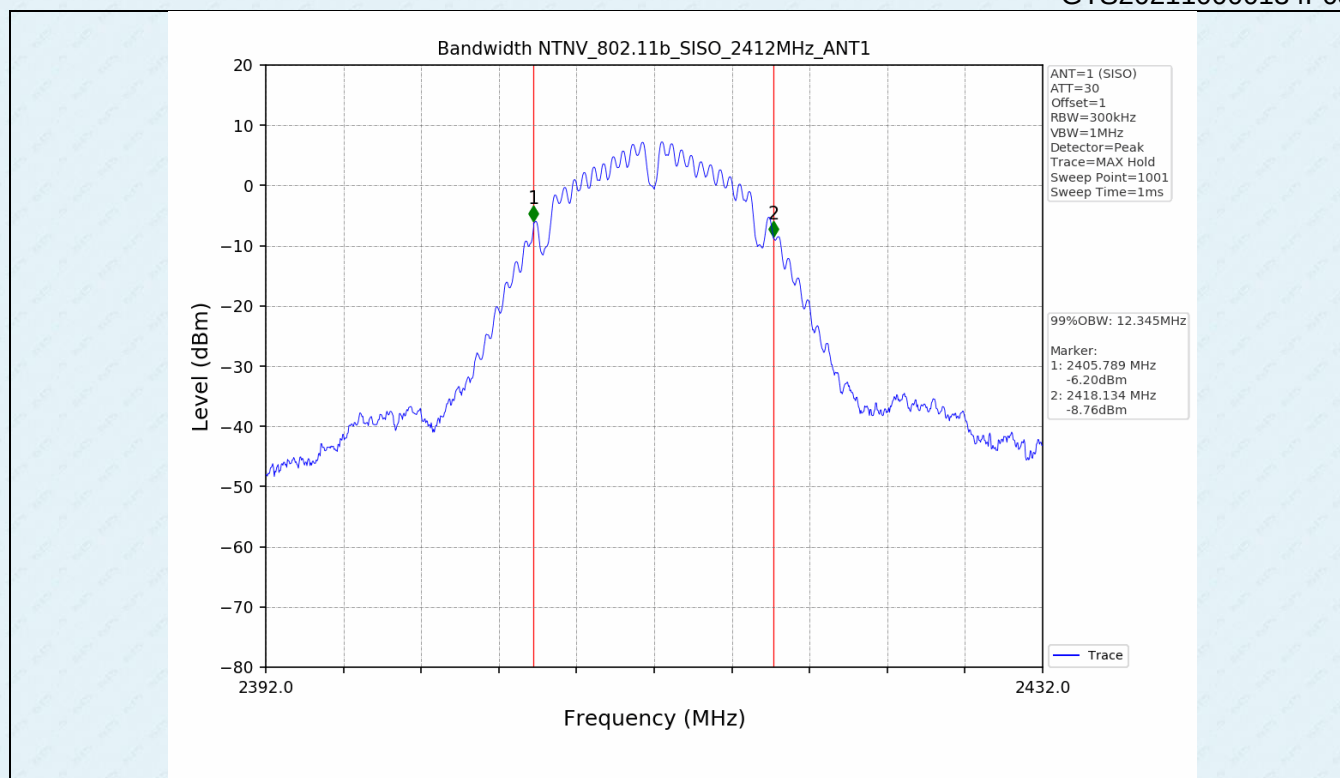


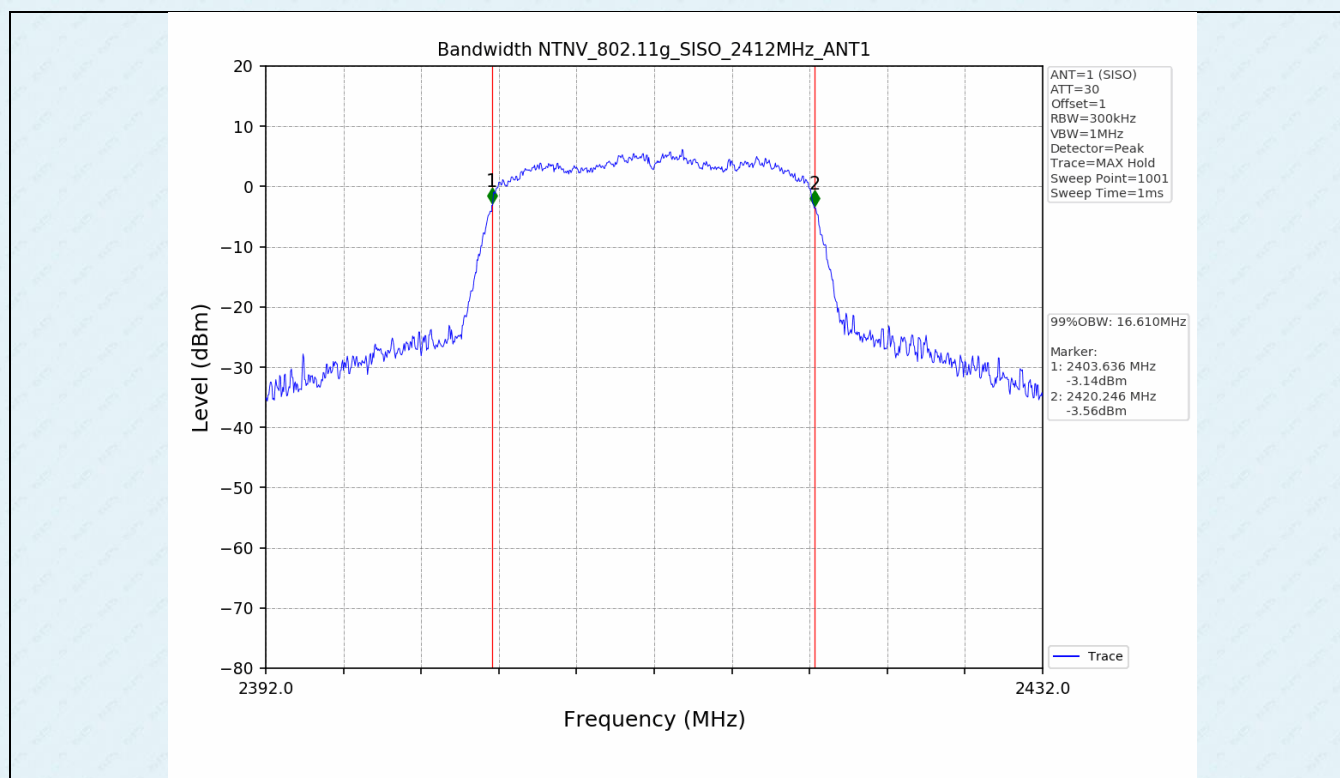
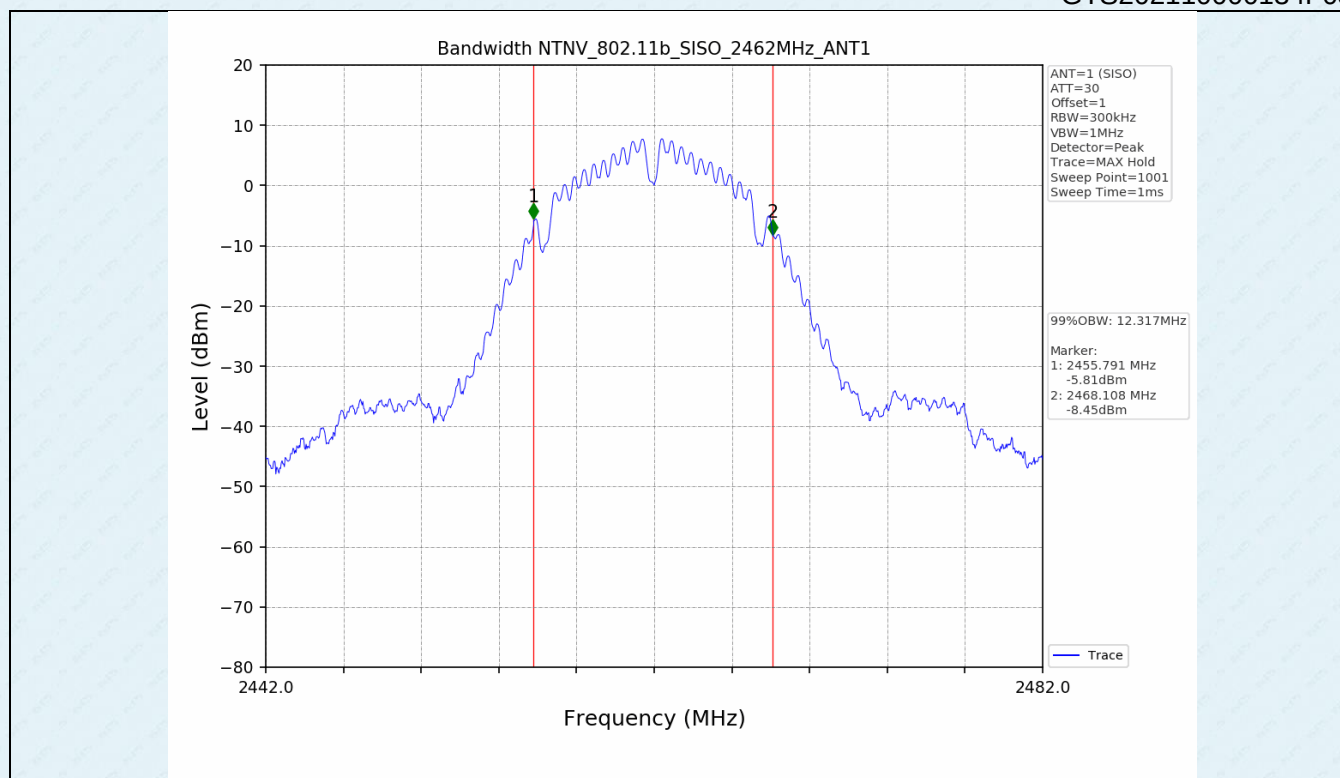


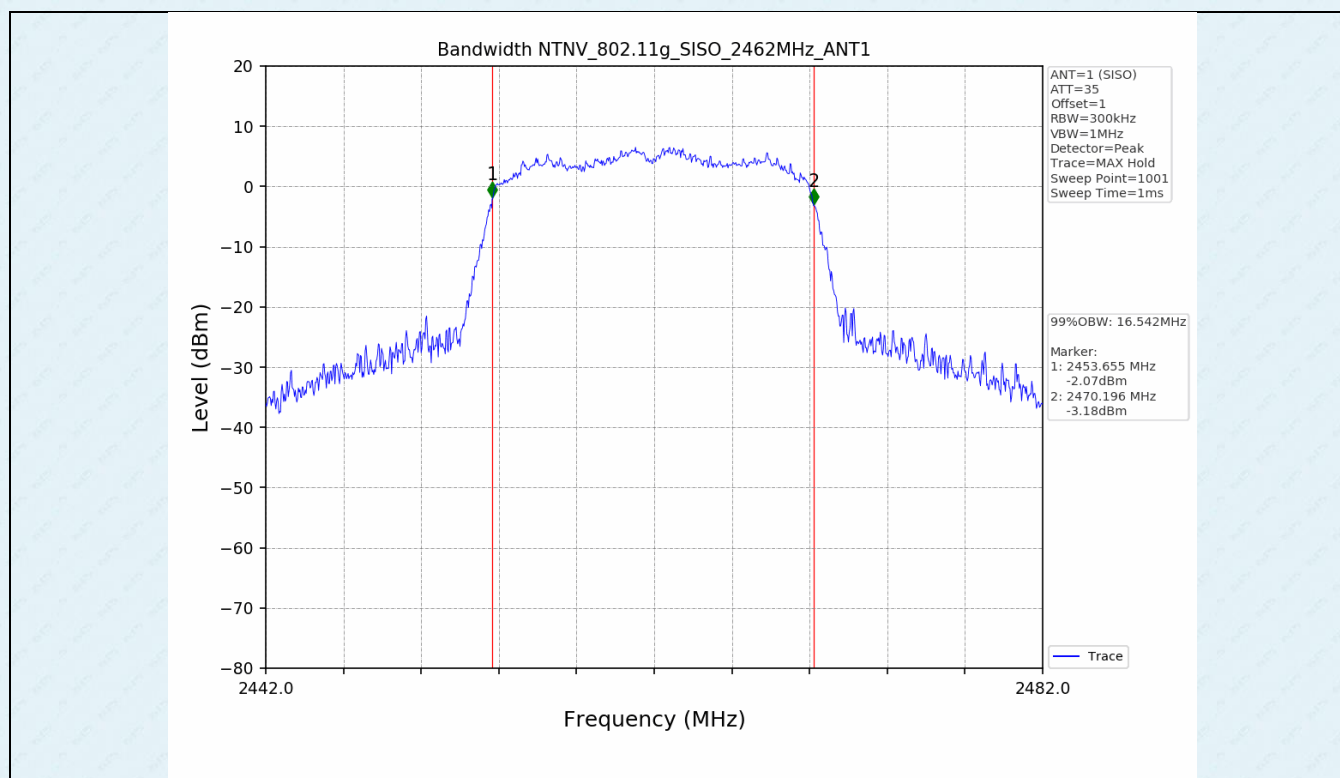
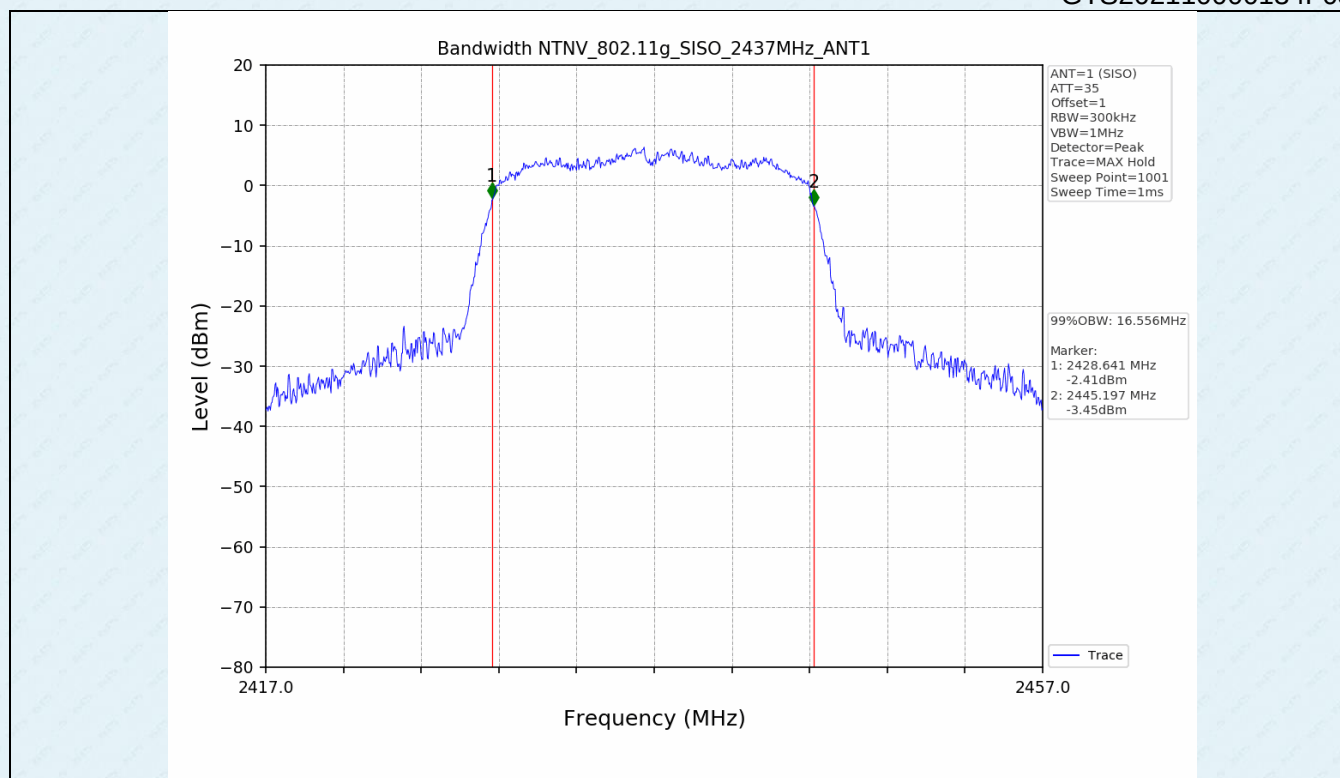


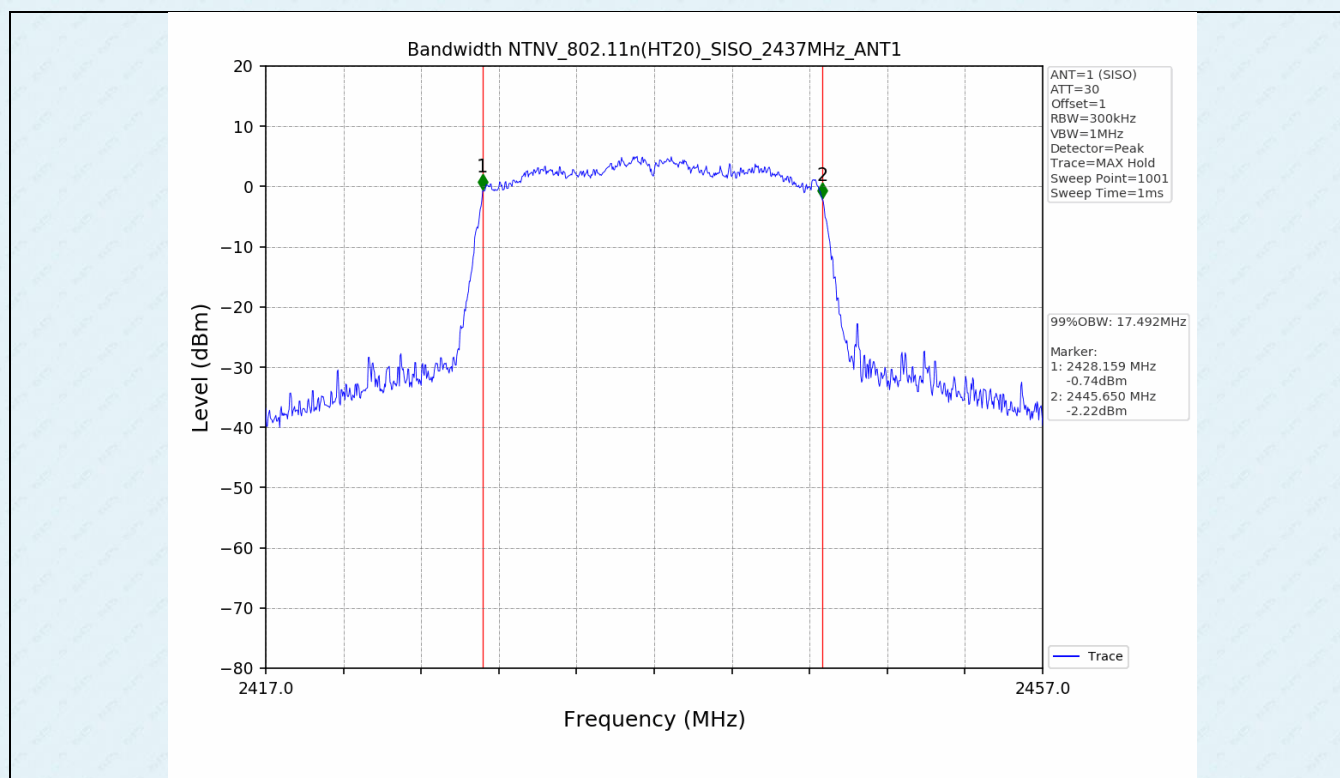
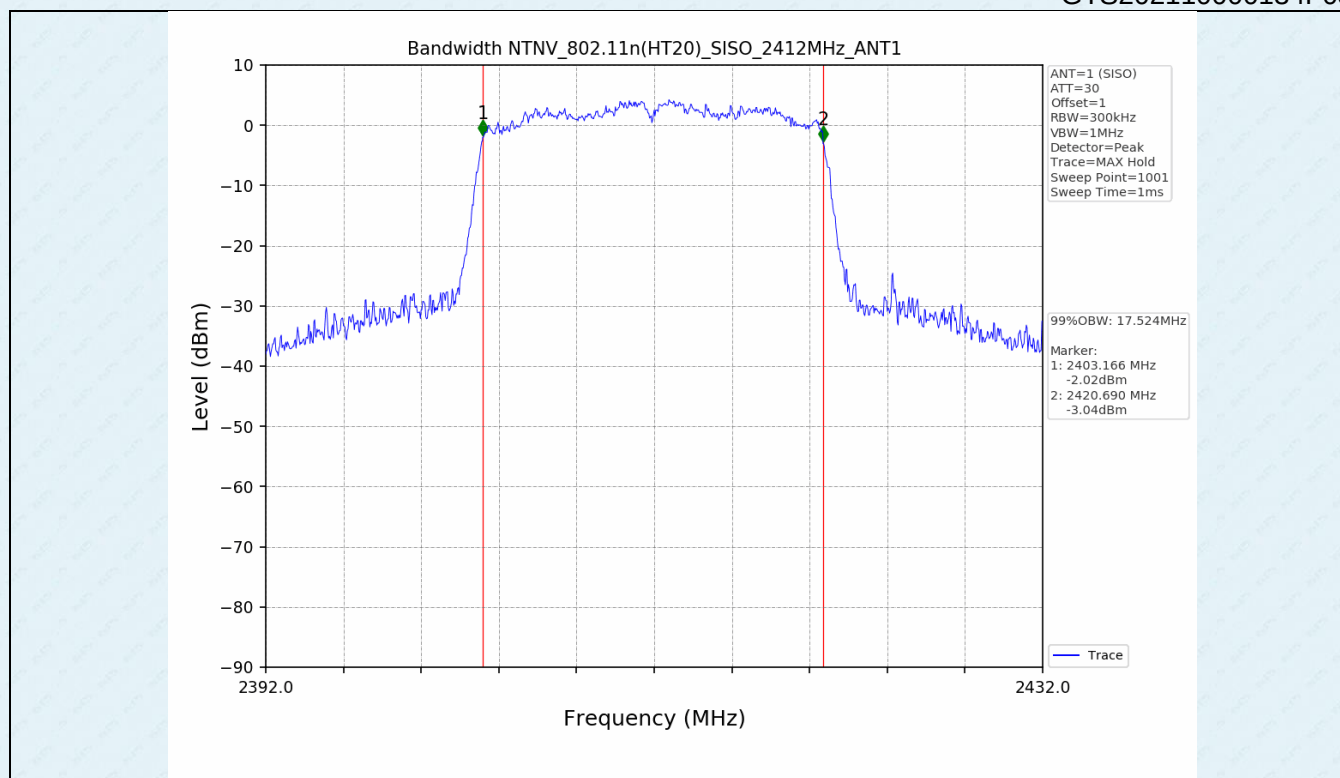


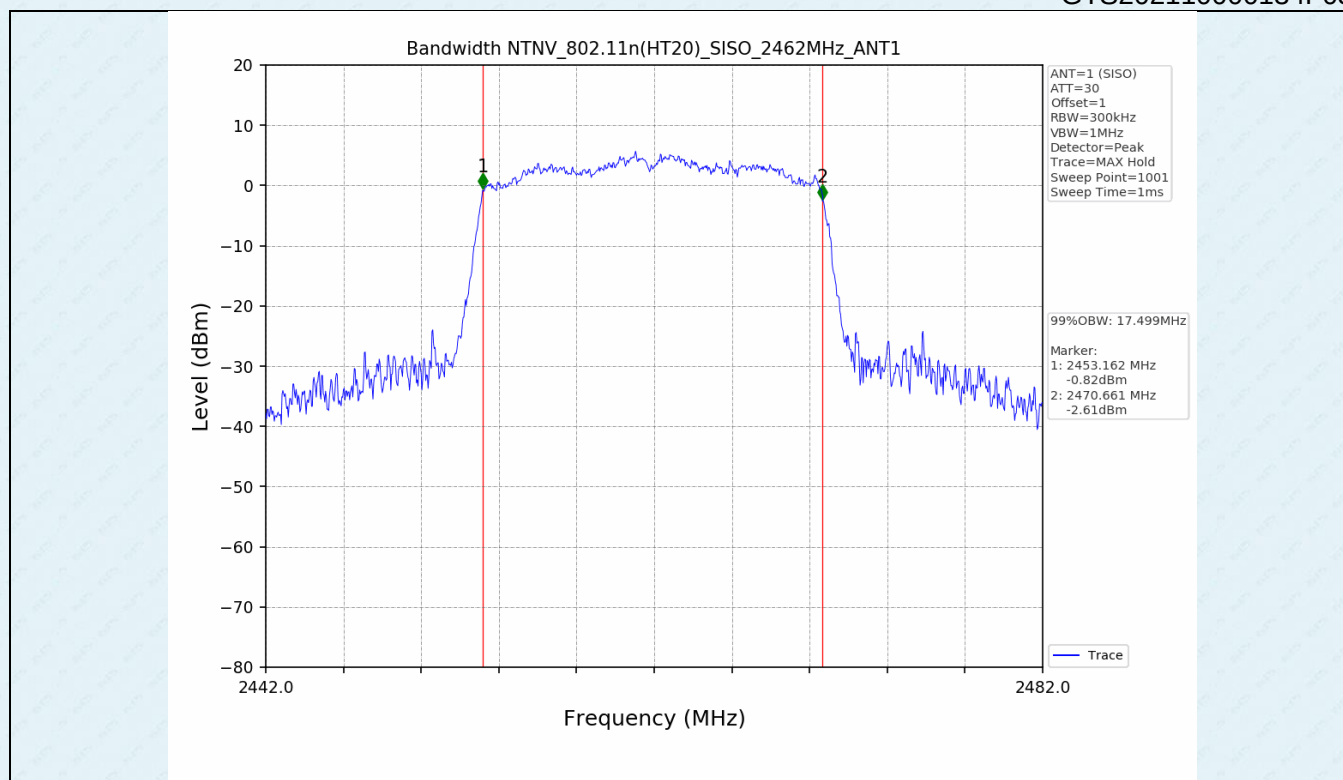
2.3 Test Graph - 99% Occupied Bandwidth











3. Maximum Conducted Output Power

3.1 Test Result

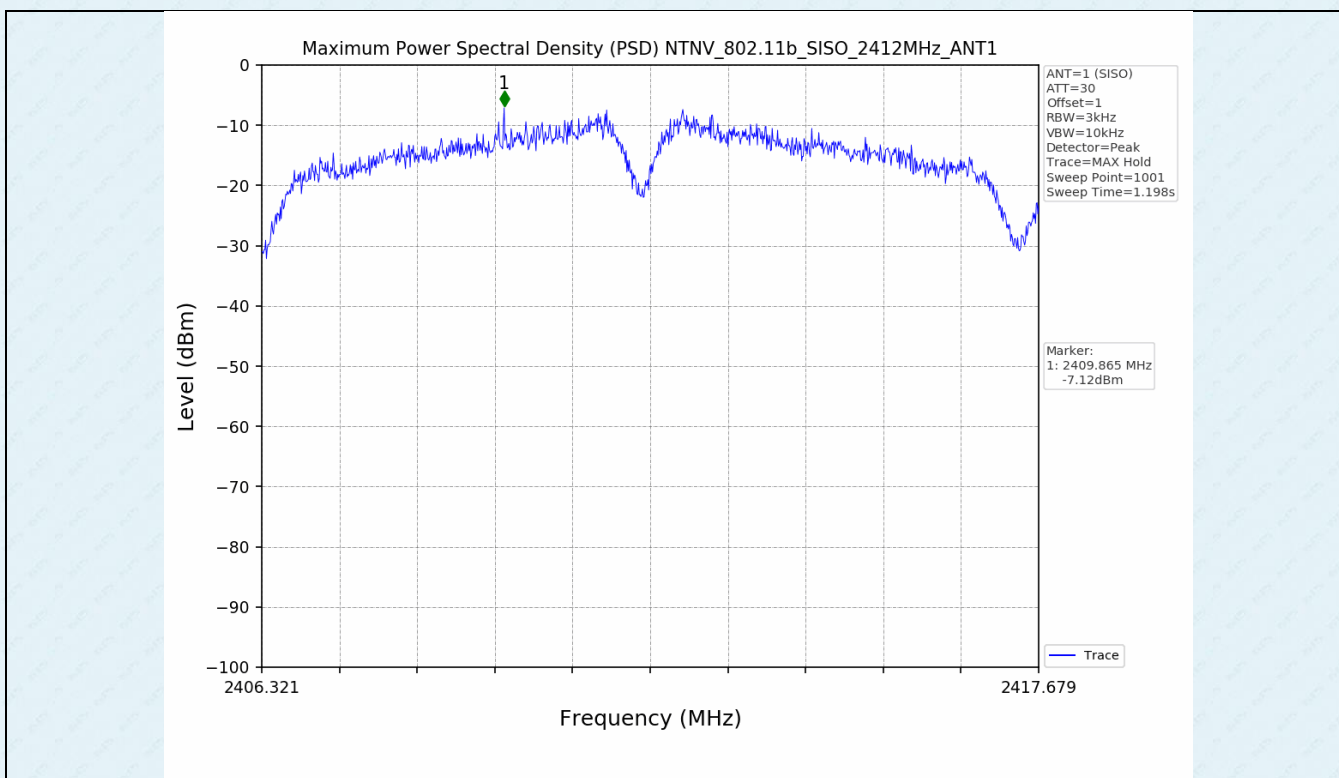
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	18.80	30	PASS
	2437	SISO	19.38	30	PASS
	2462	SISO	19.39	30	PASS
802.11g	2412	SISO	20.87	30	PASS
	2437	SISO	21.36	30	PASS
	2462	SISO	21.58	30	PASS
802.11n(HT20)	2412	SISO	19.73	30	PASS
	2437	SISO	20.20	30	PASS
	2462	SISO	20.37	30	PASS

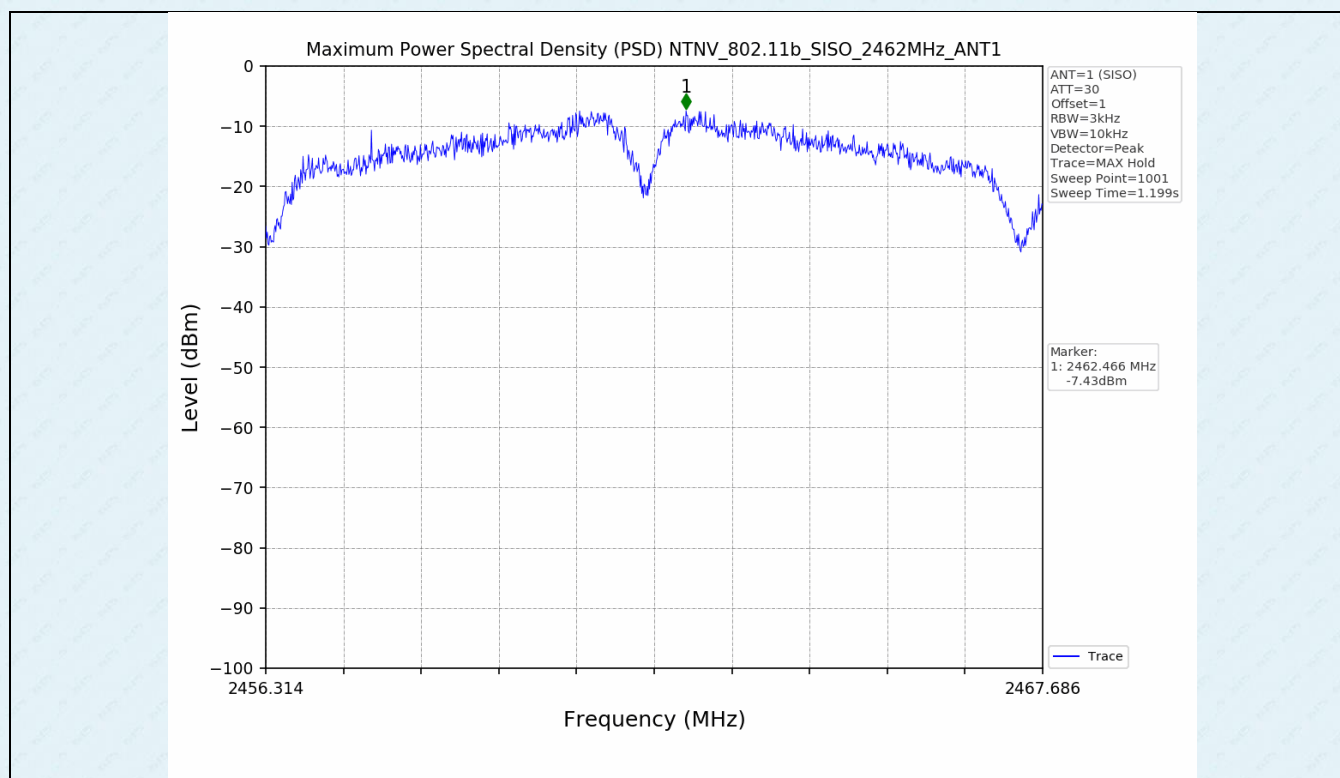
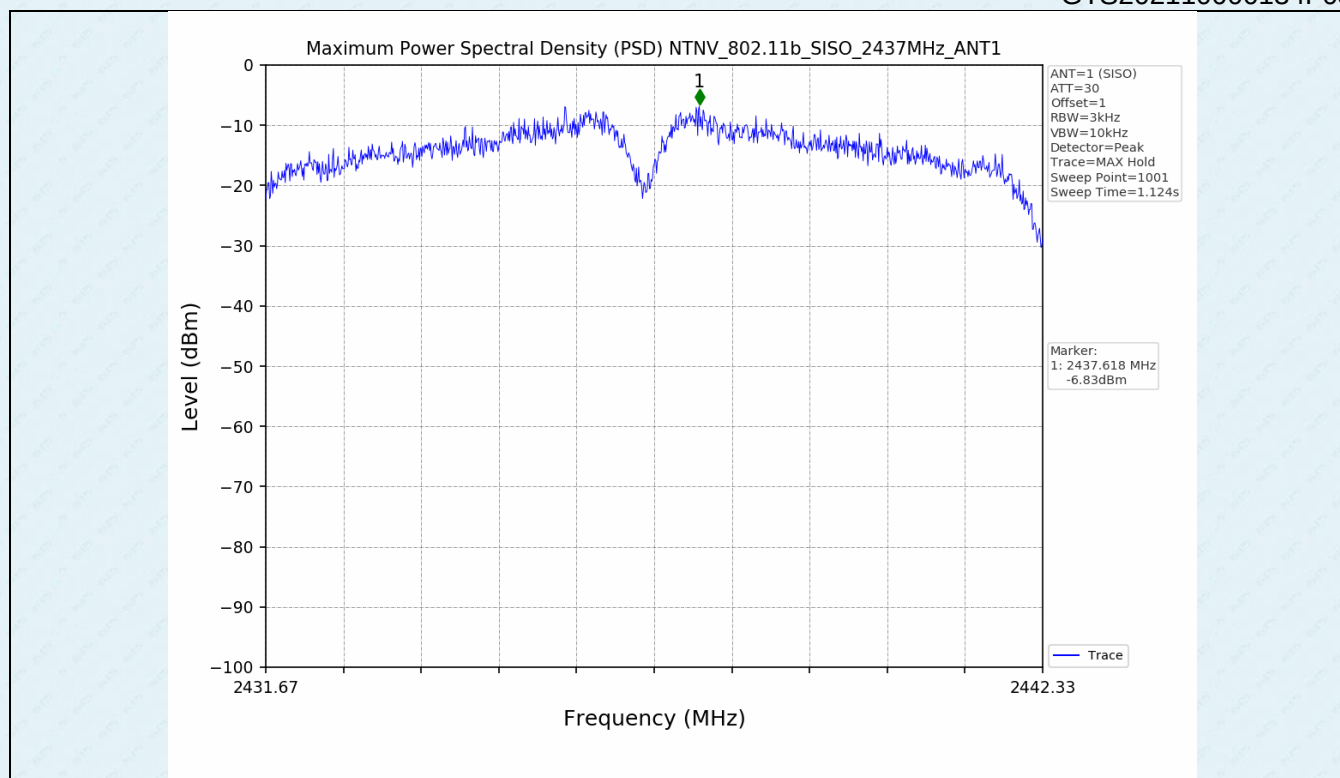
4. Maximum Power Spectral Density (PSD)

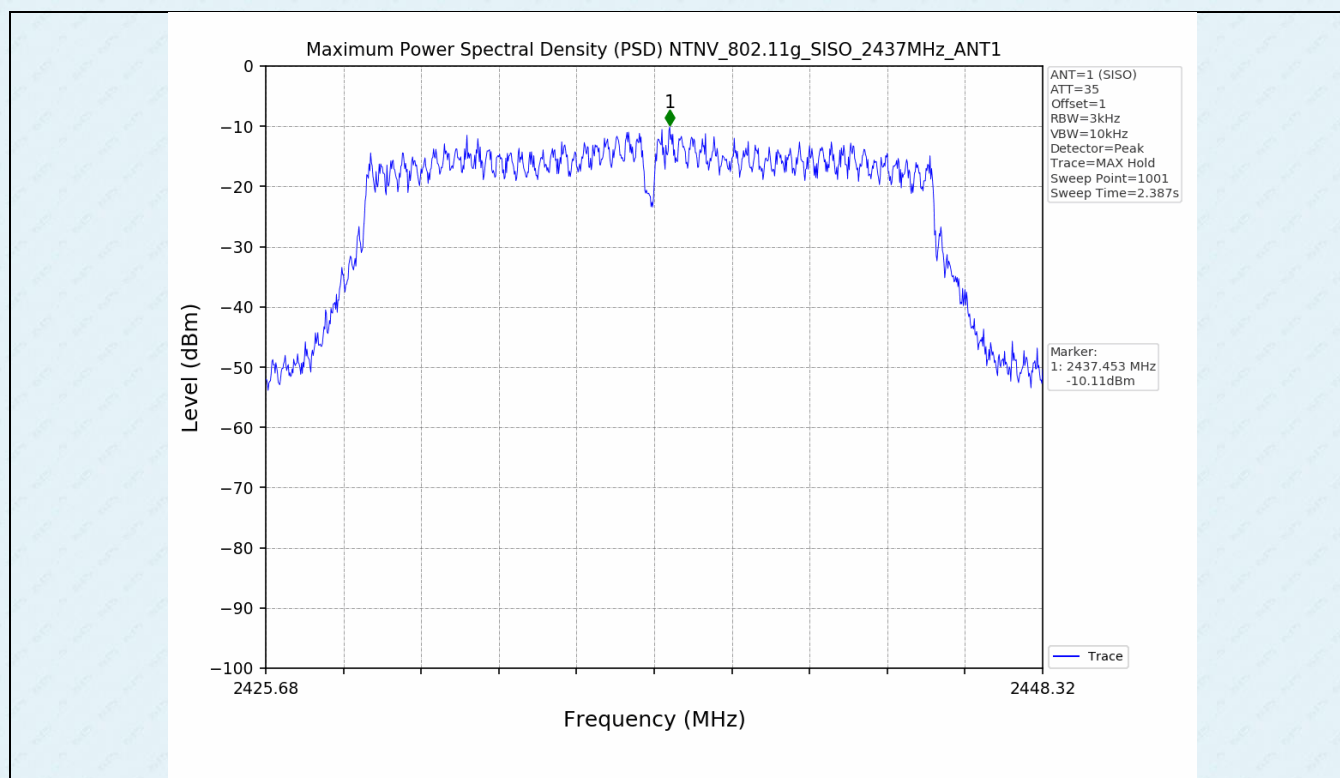
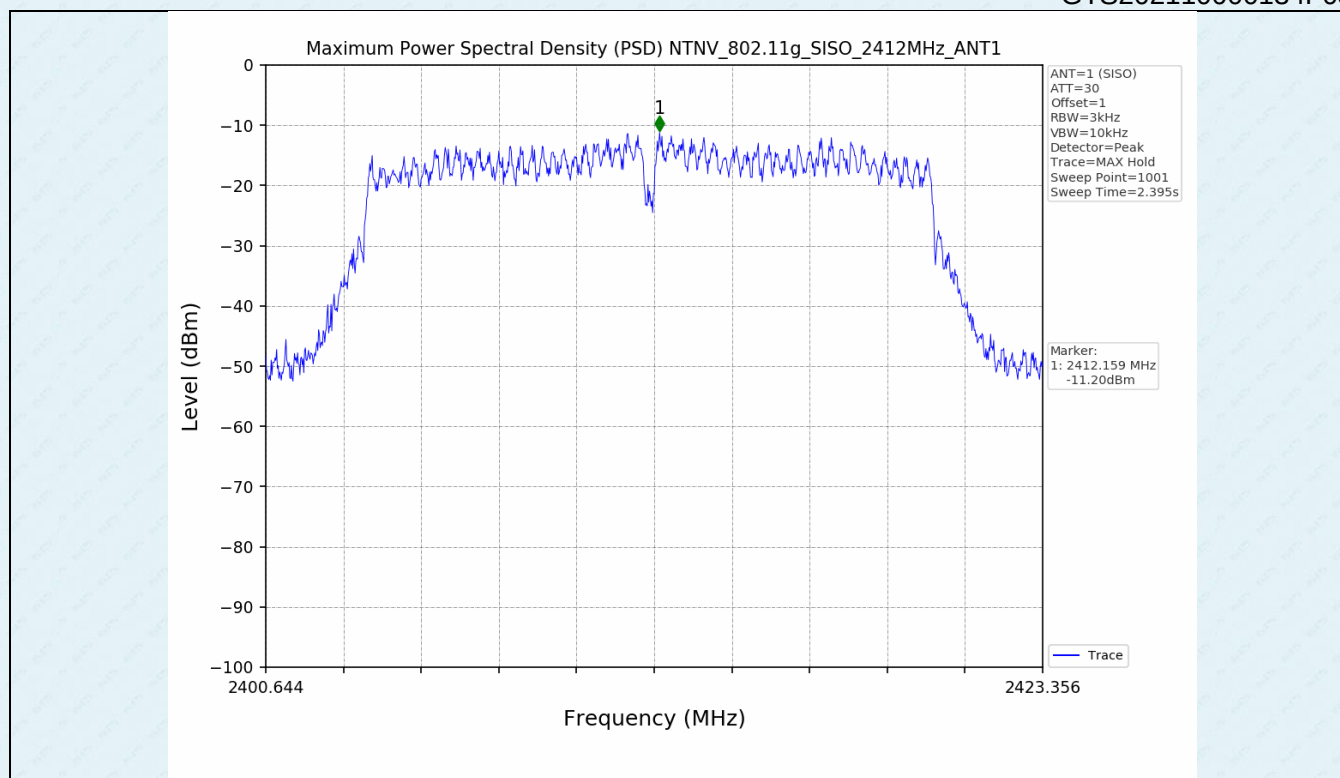
4.1 Test Result

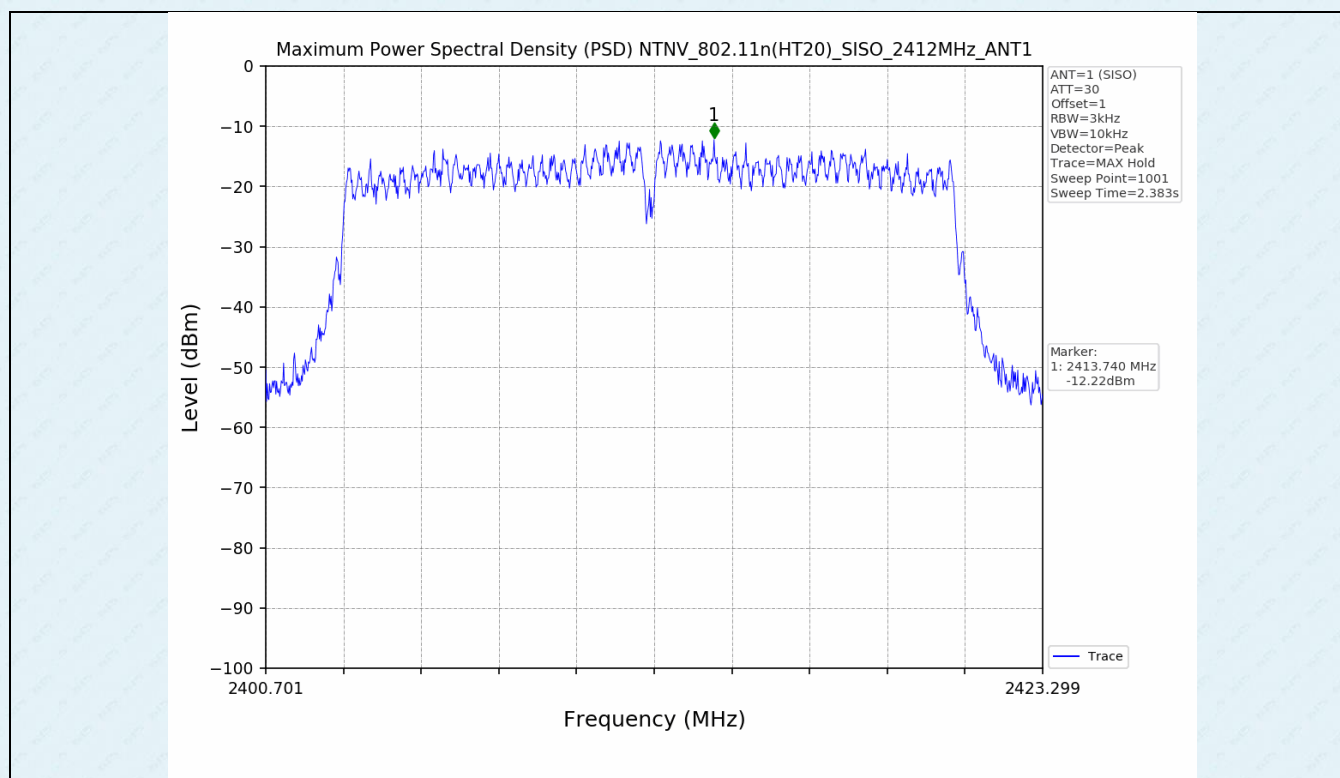
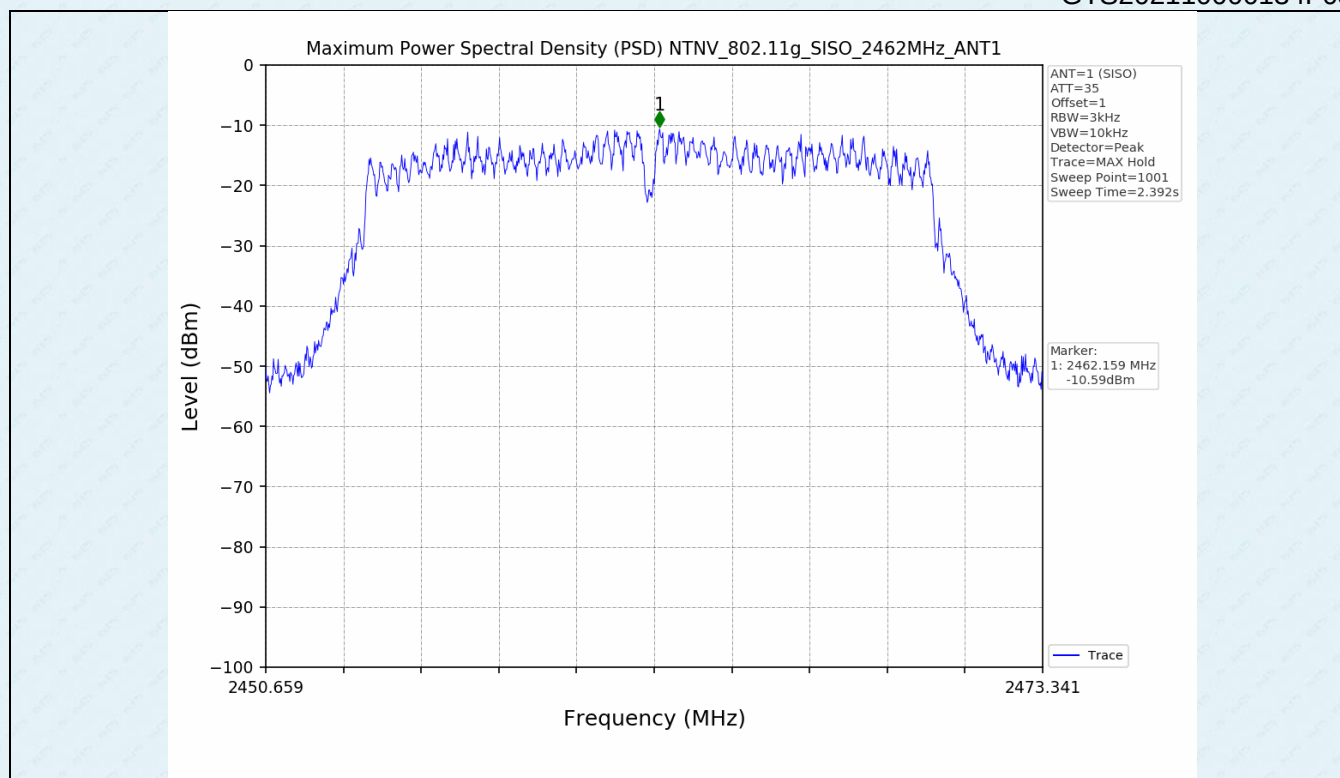
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3KHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-7.12	≤8	PASS
	2437	SISO	-6.83	≤8	PASS
	2462	SISO	-7.43	≤8	PASS
802.11g	2412	SISO	-11.20	≤8	PASS
	2437	SISO	-10.11	≤8	PASS
	2462	SISO	-10.59	≤8	PASS
802.11n(HT20)	2412	SISO	-12.22	≤8	PASS
	2437	SISO	-10.94	≤8	PASS
	2462	SISO	-10.57	≤8	PASS

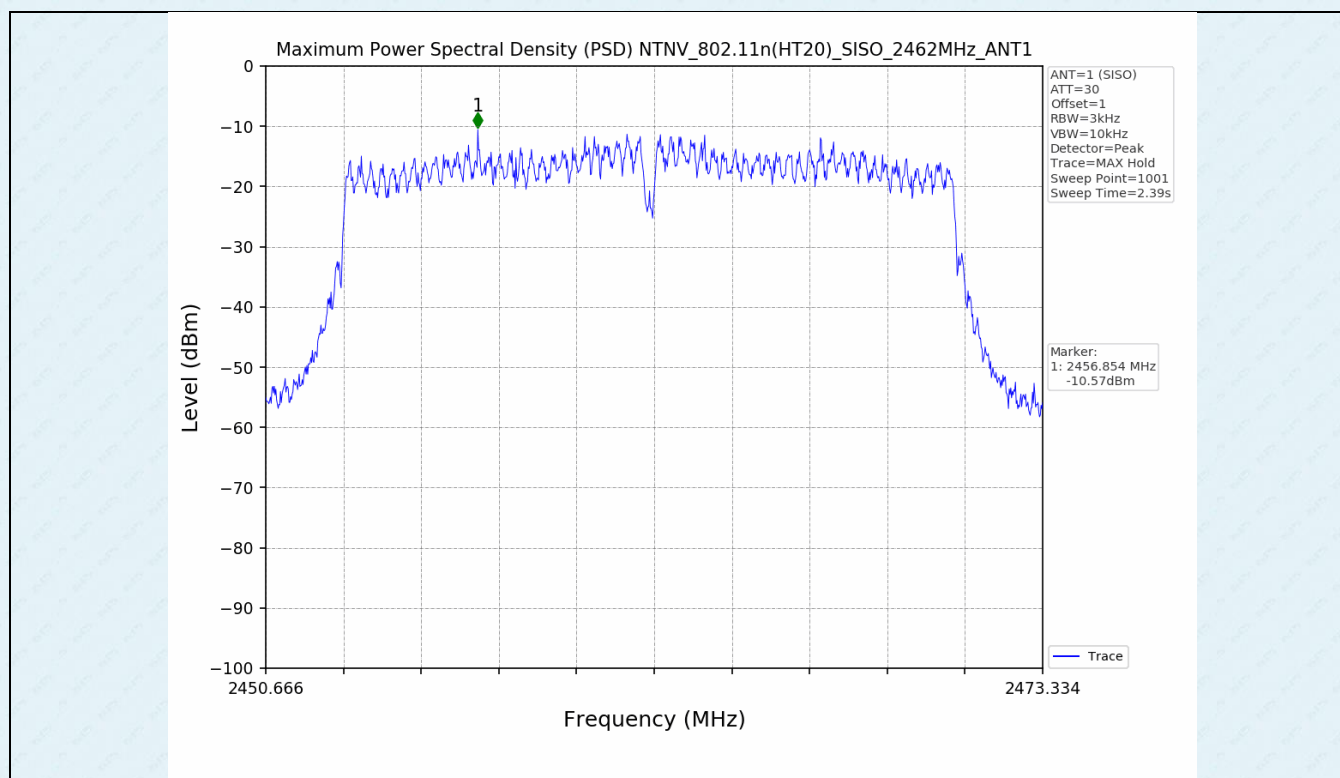
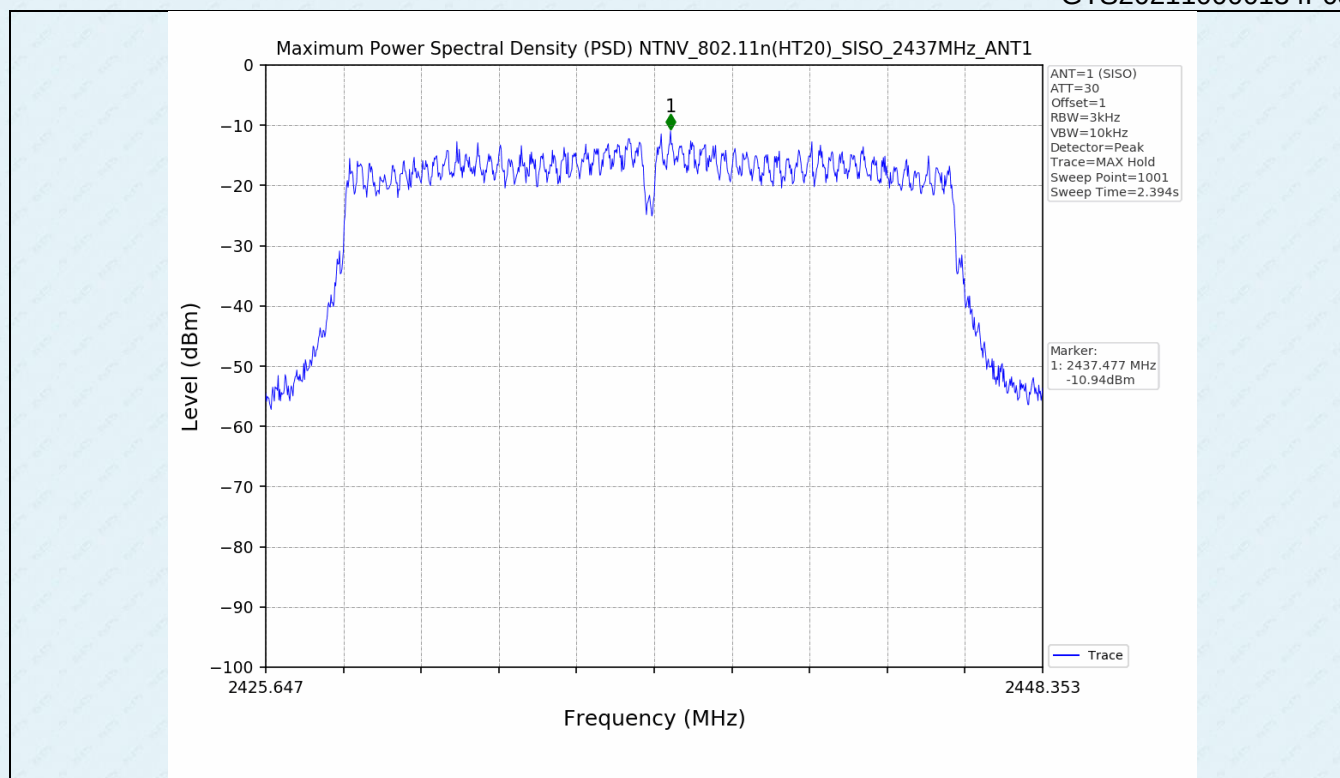
4.2 Test Graph









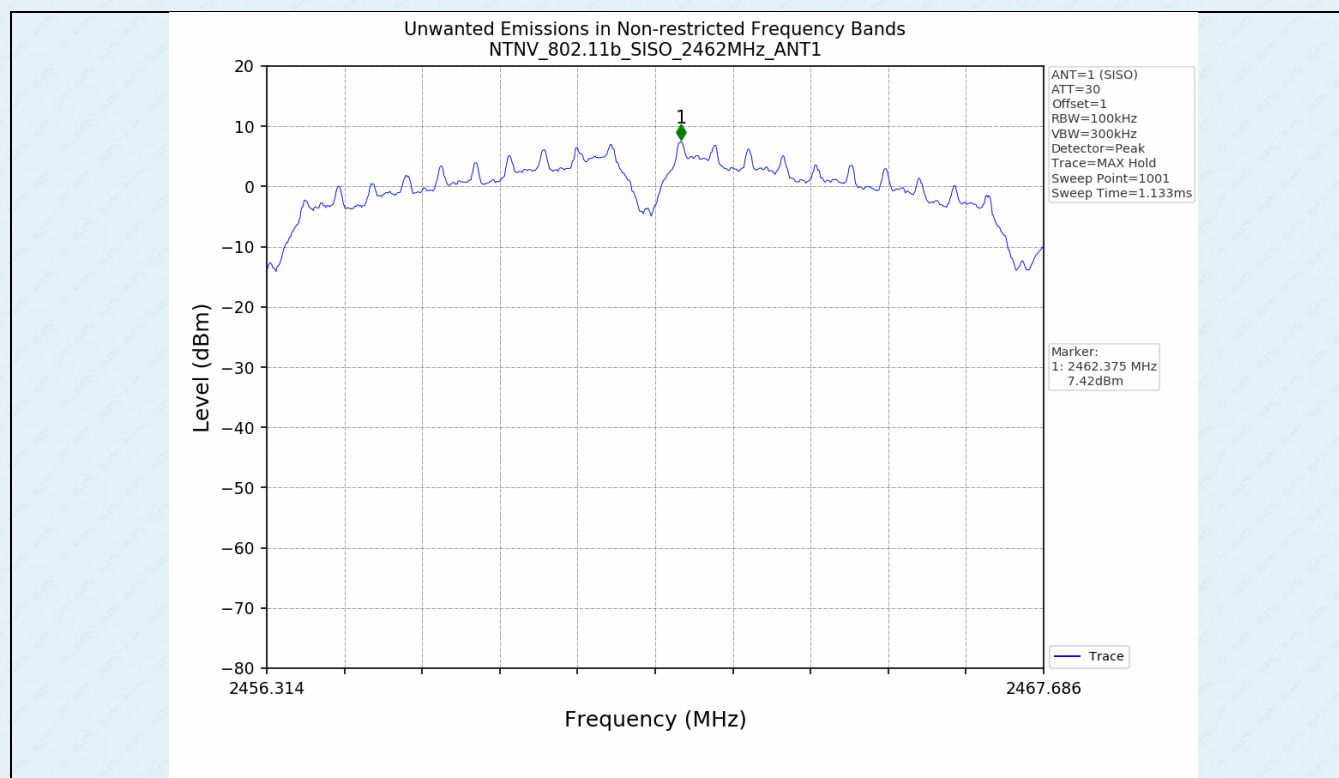


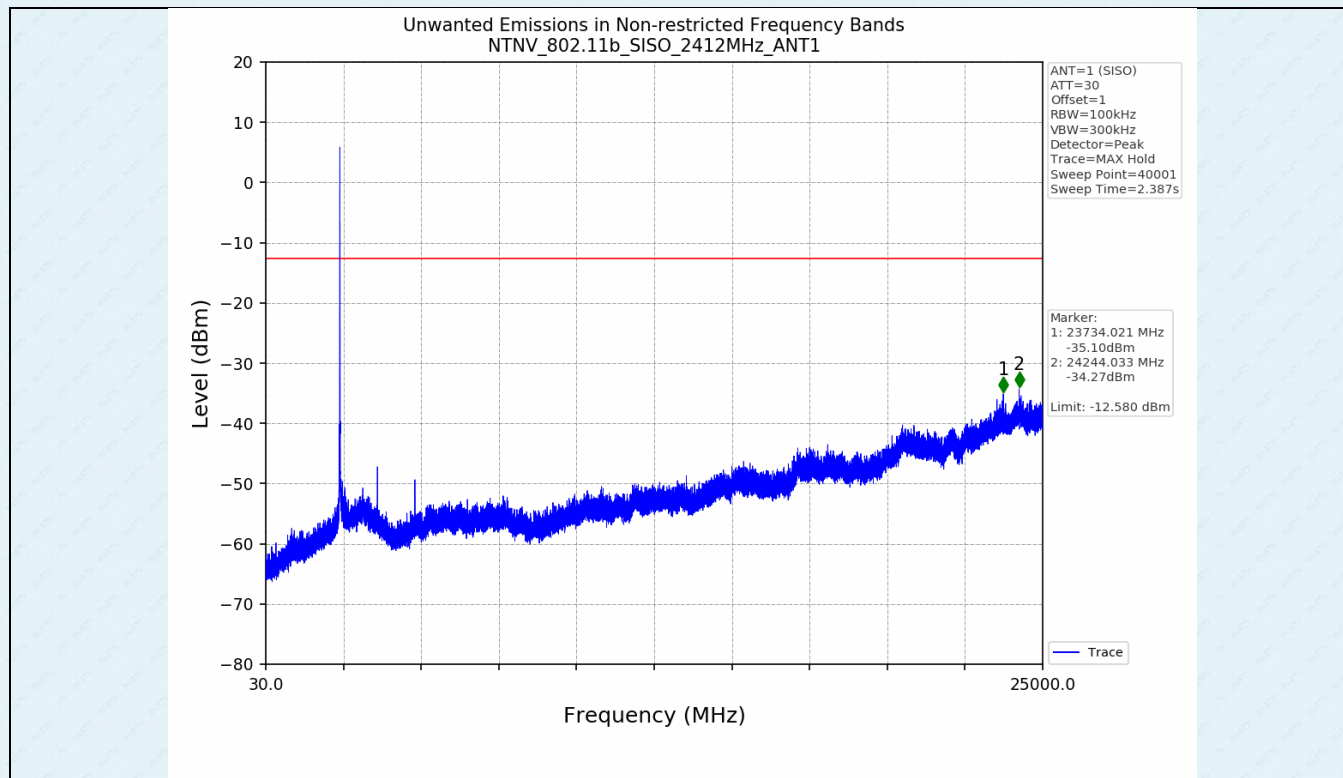
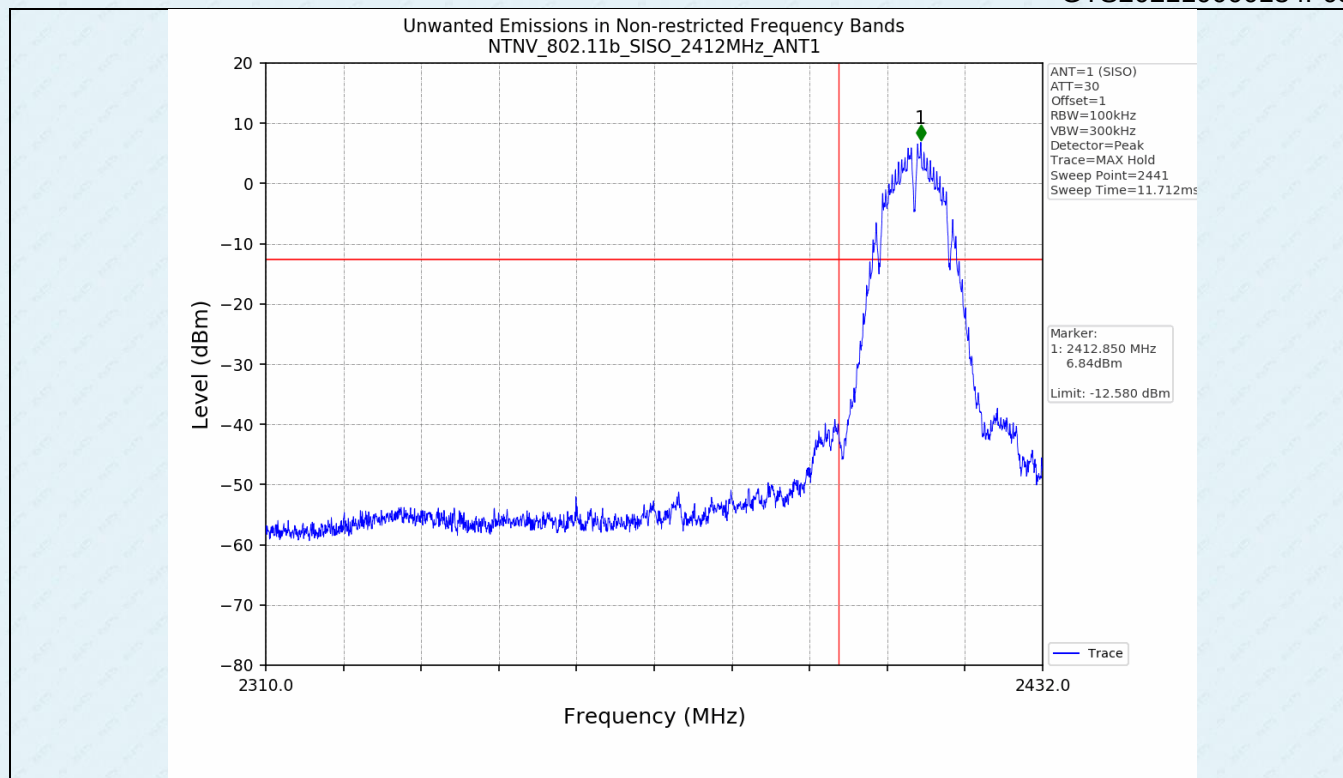
5. Unwanted Emissions in Non-restricted Frequency Bands

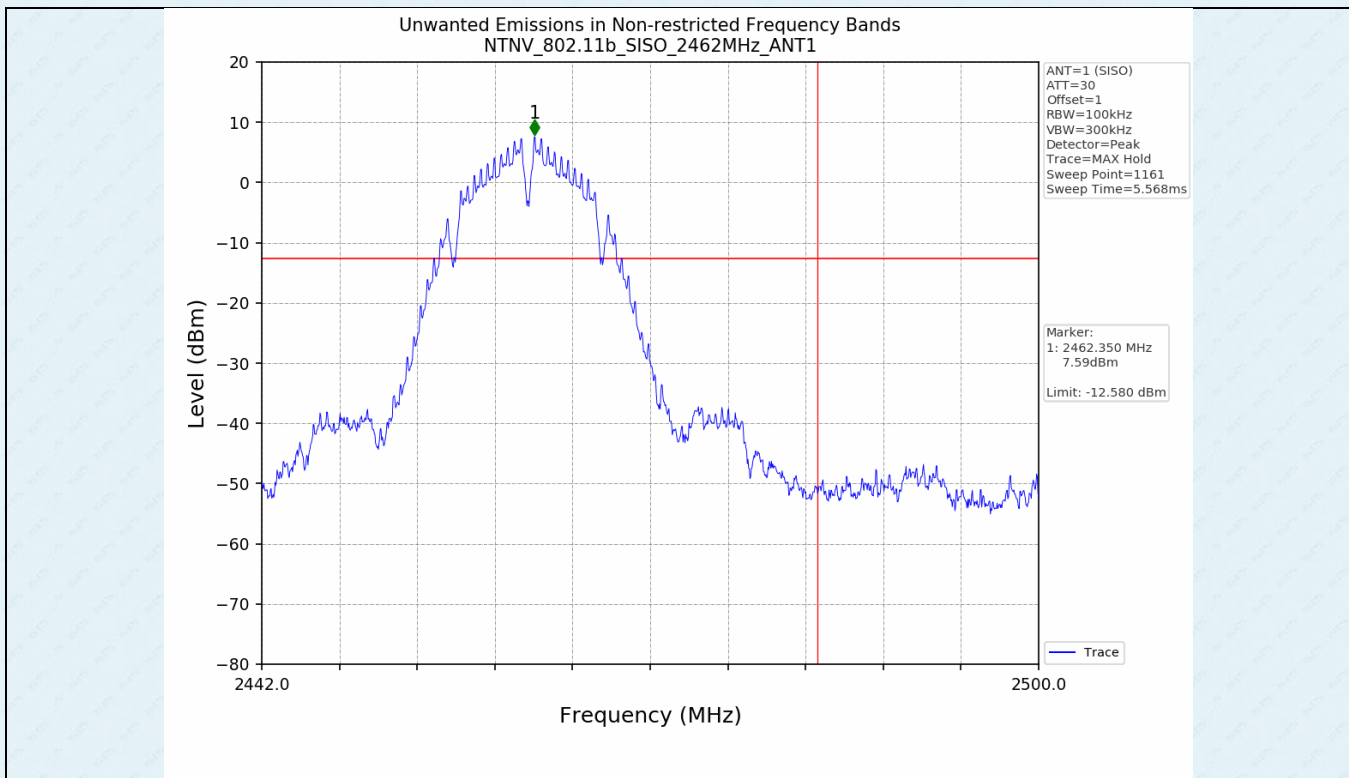
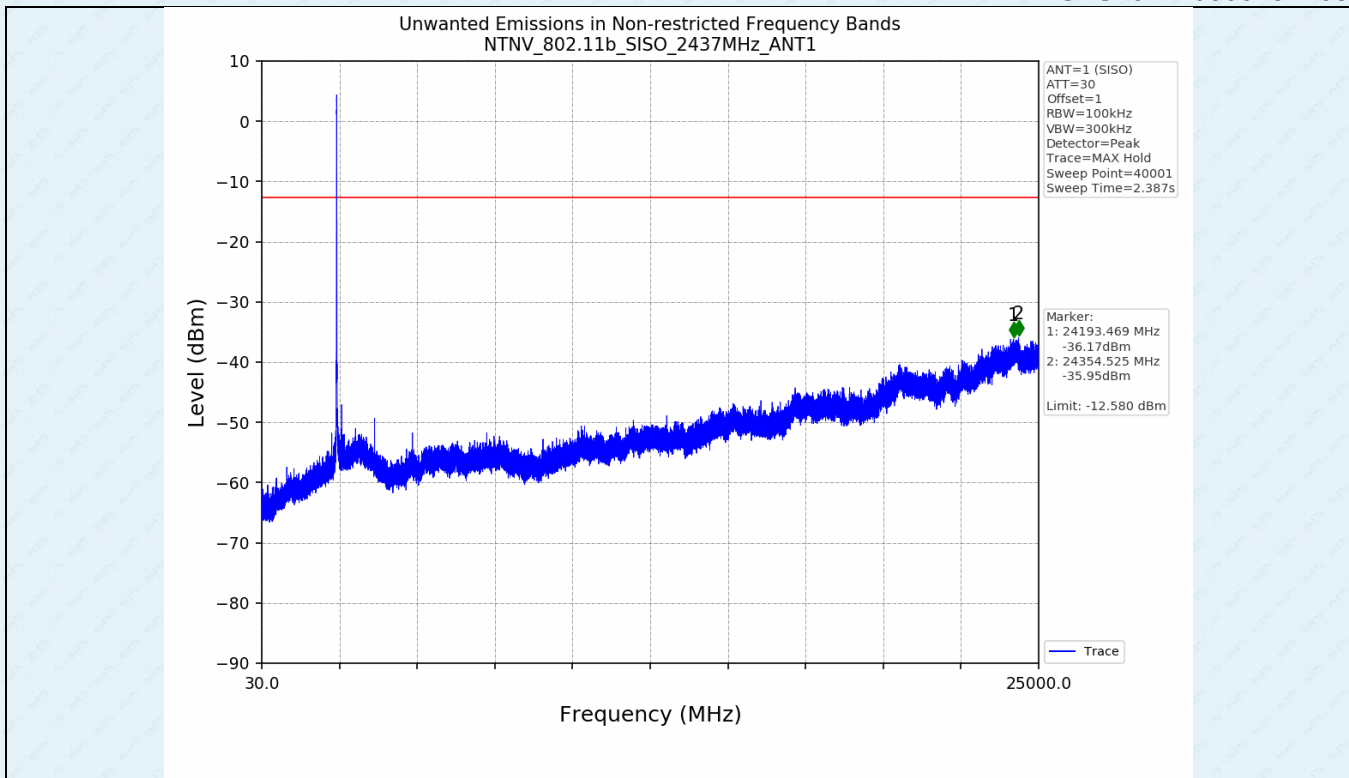
5.1 Test Result

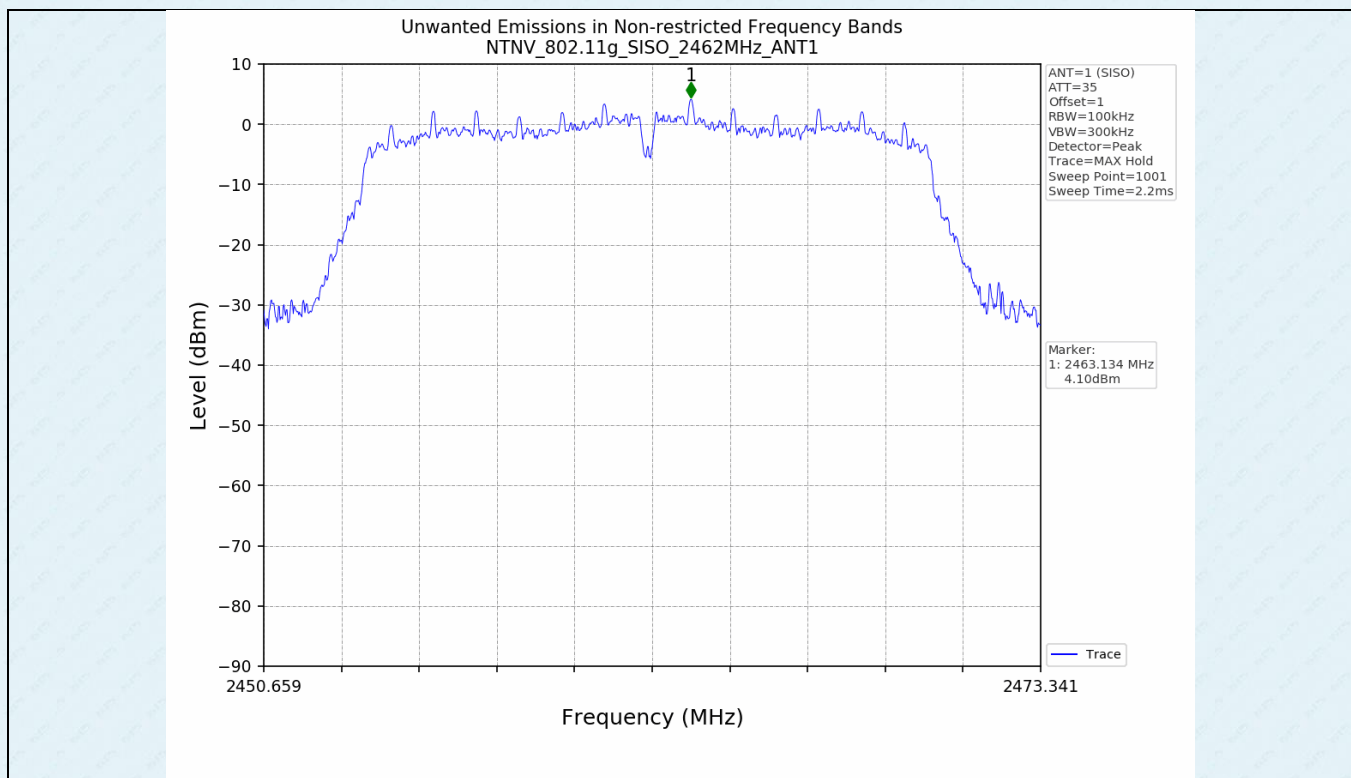
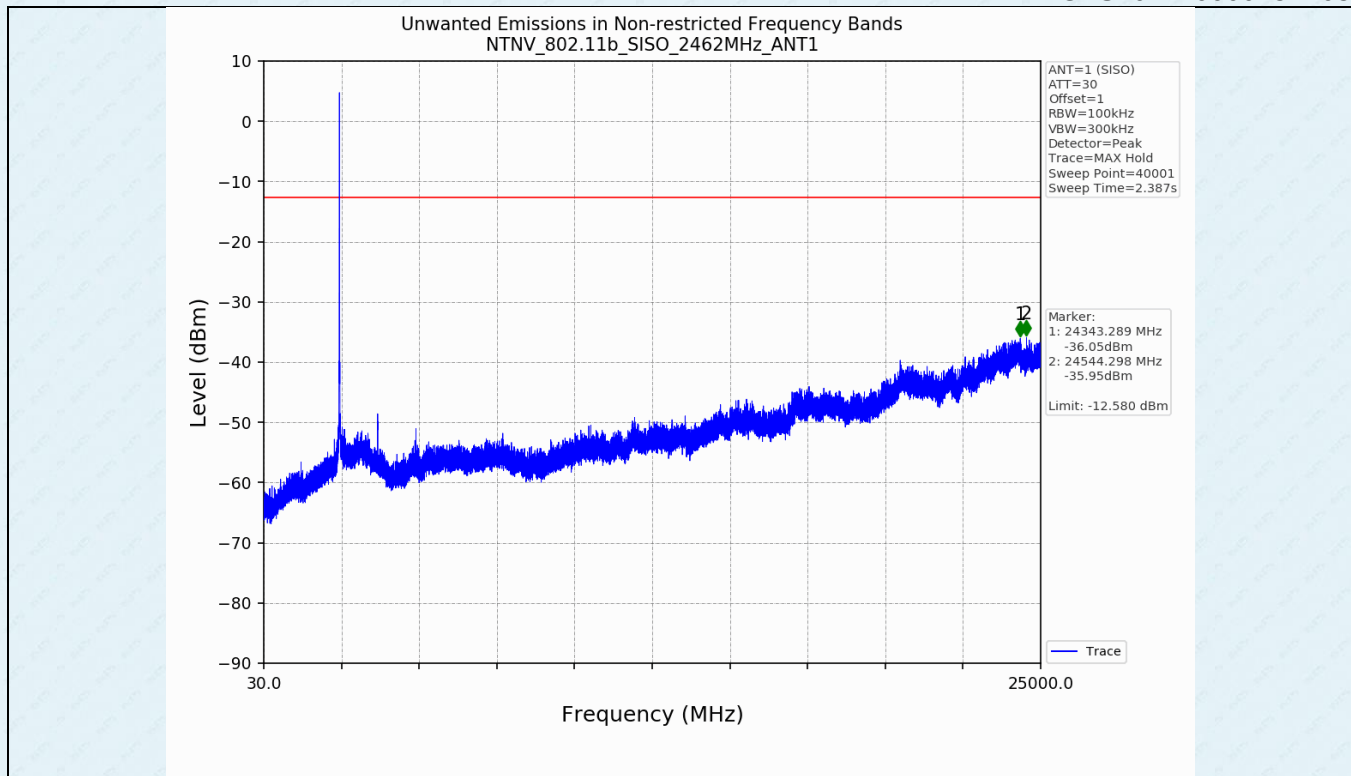
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-12.58	PASS
	2437	SISO	1	Refer to test graph	-12.58	PASS
	2462	SISO	1	Refer to test graph	-12.58	PASS
802.11g	2412	SISO	1	Refer to test graph	-15.90	PASS
	2437	SISO	1	Refer to test graph	-15.90	PASS
	2462	SISO	1	Refer to test graph	-15.90	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-16.82	PASS
	2437	SISO	1	Refer to test graph	-16.82	PASS
	2462	SISO	1	Refer to test graph	-16.82	PASS

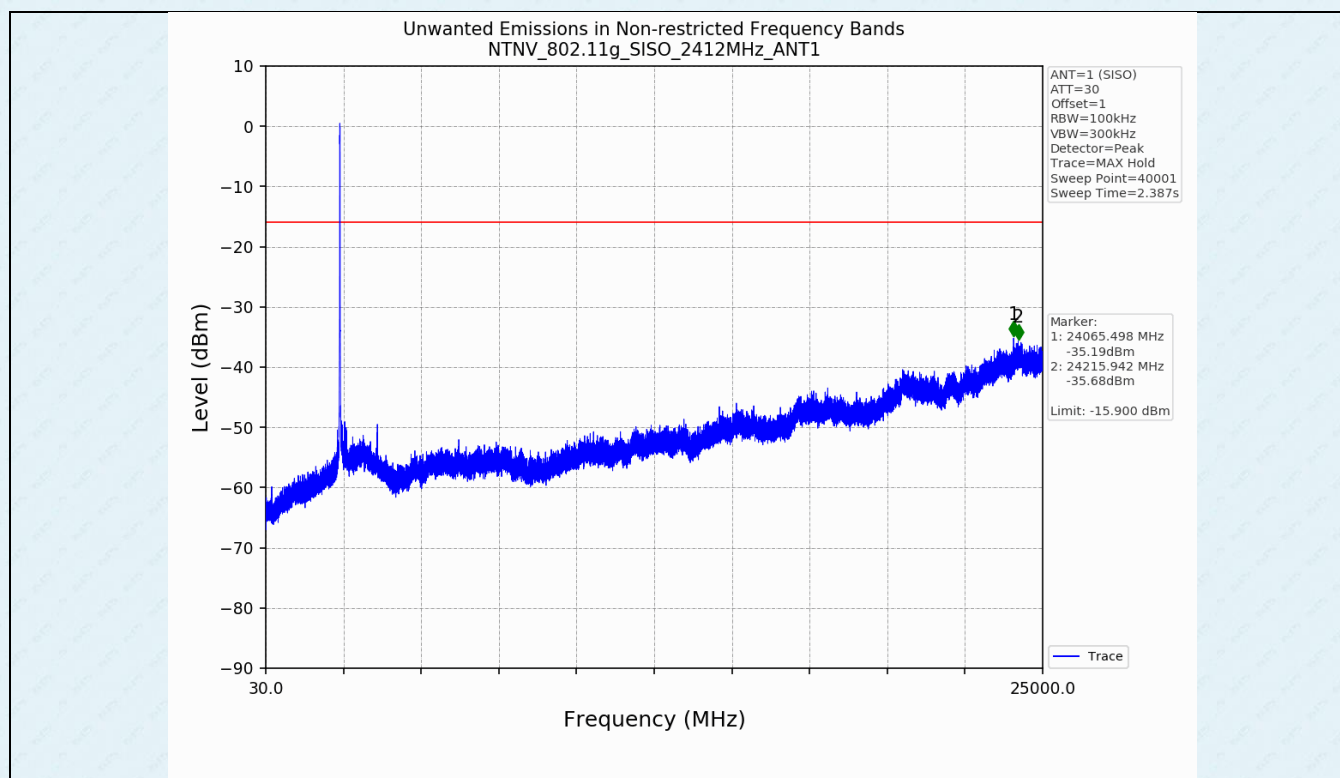
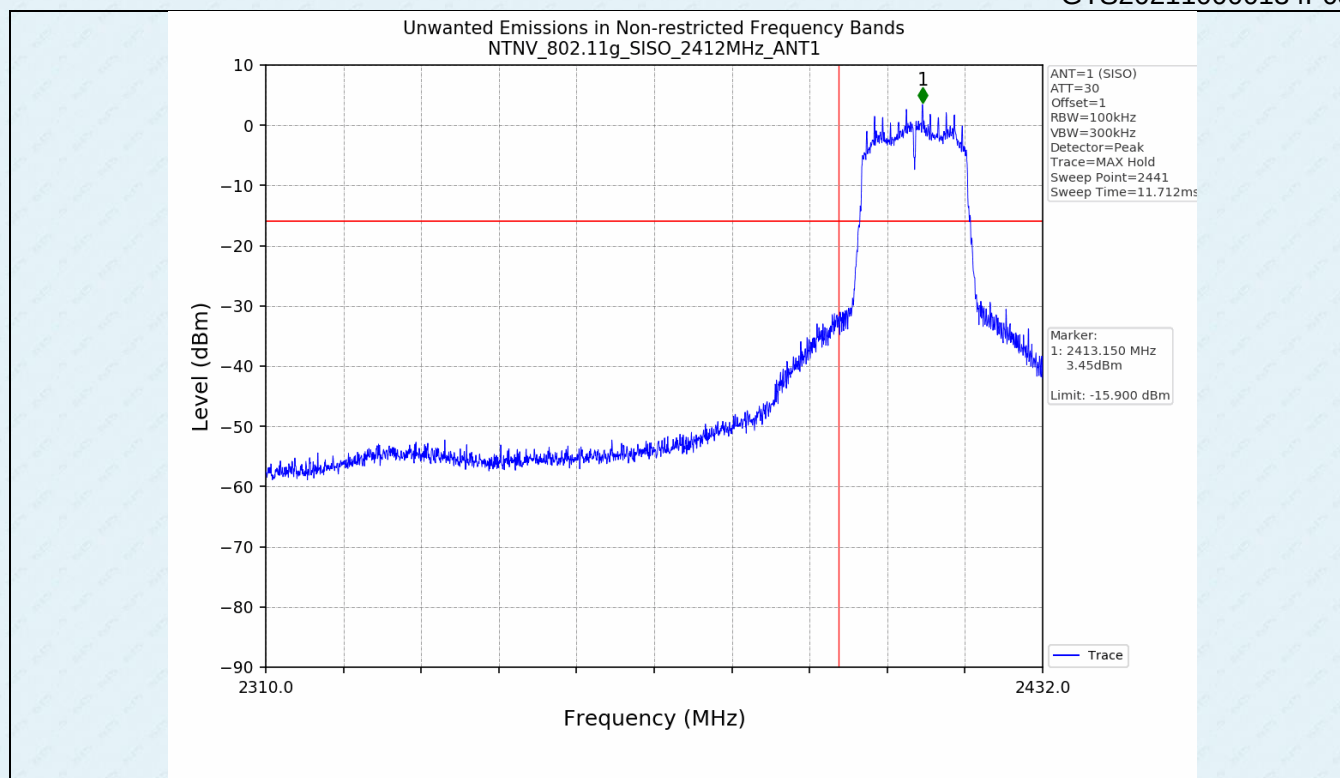
5.2 Test Graph

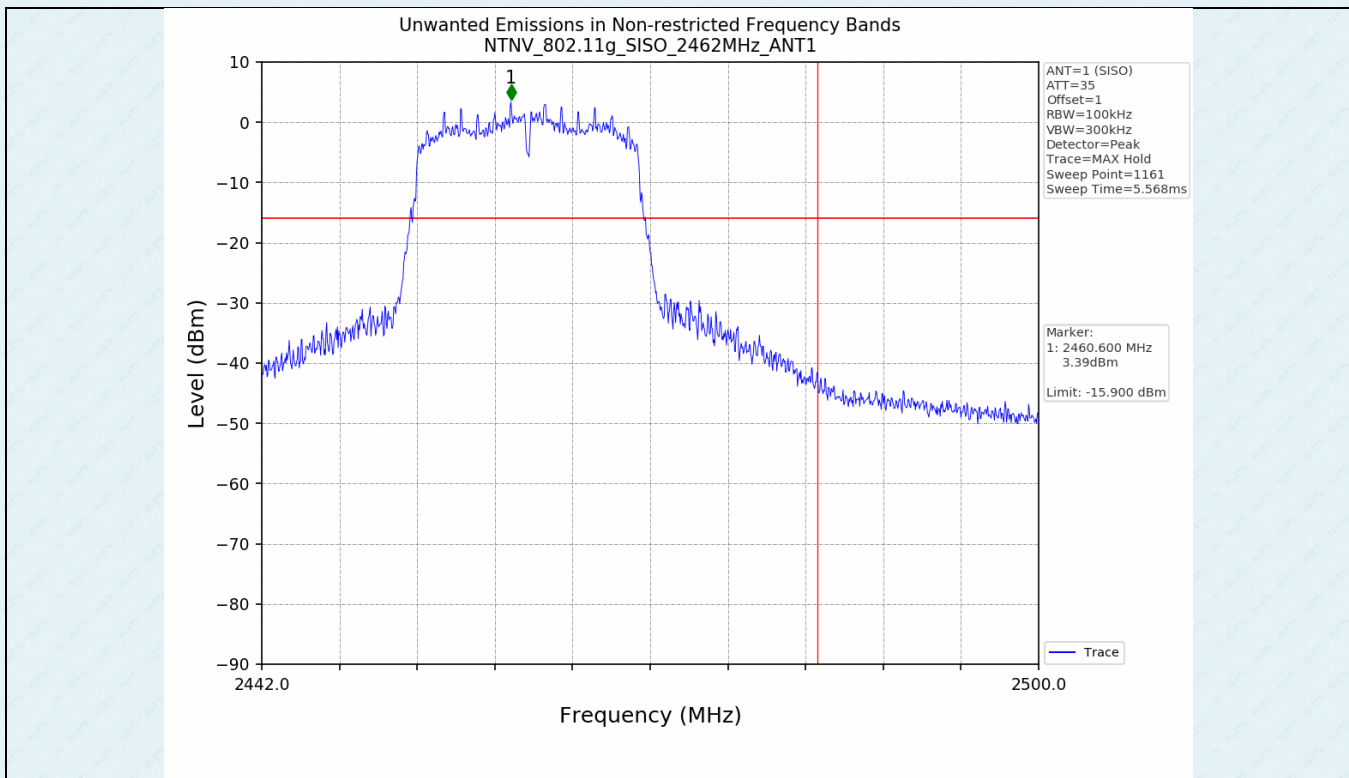
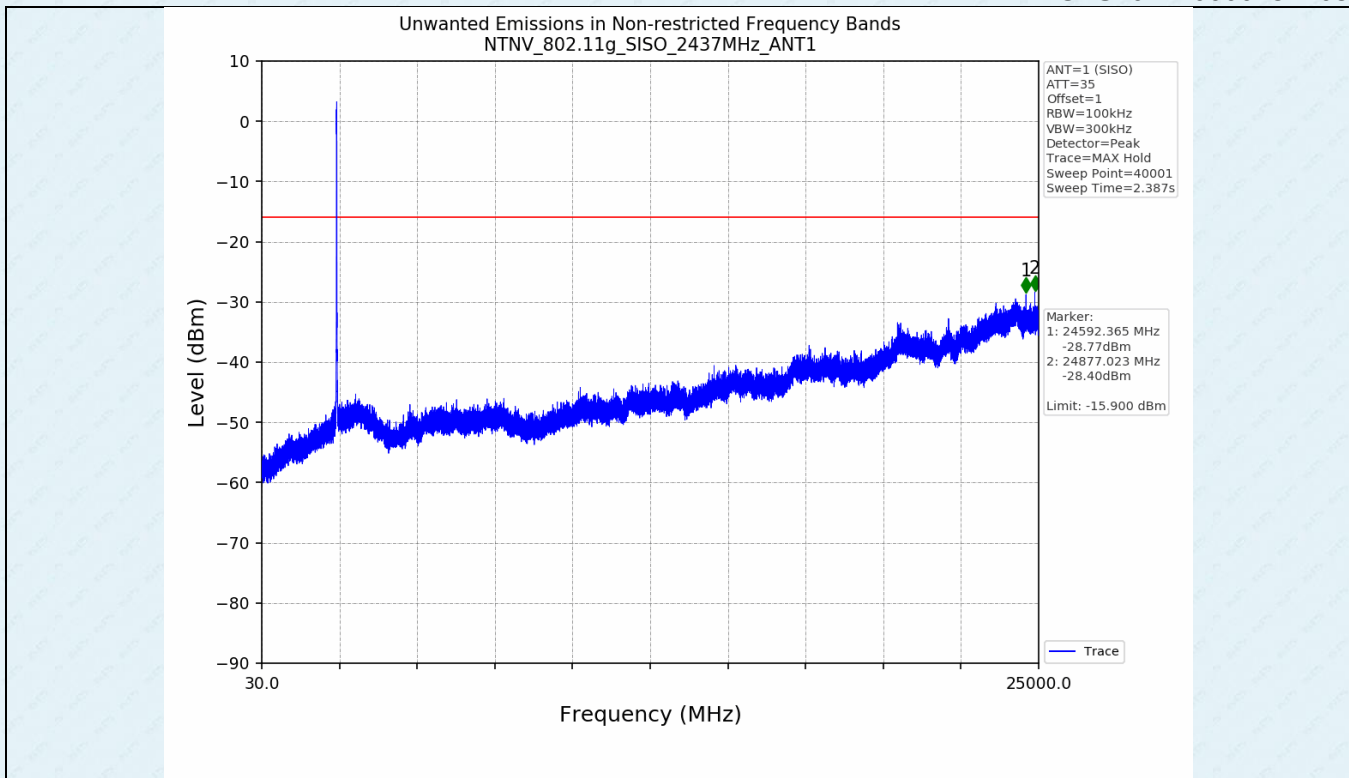


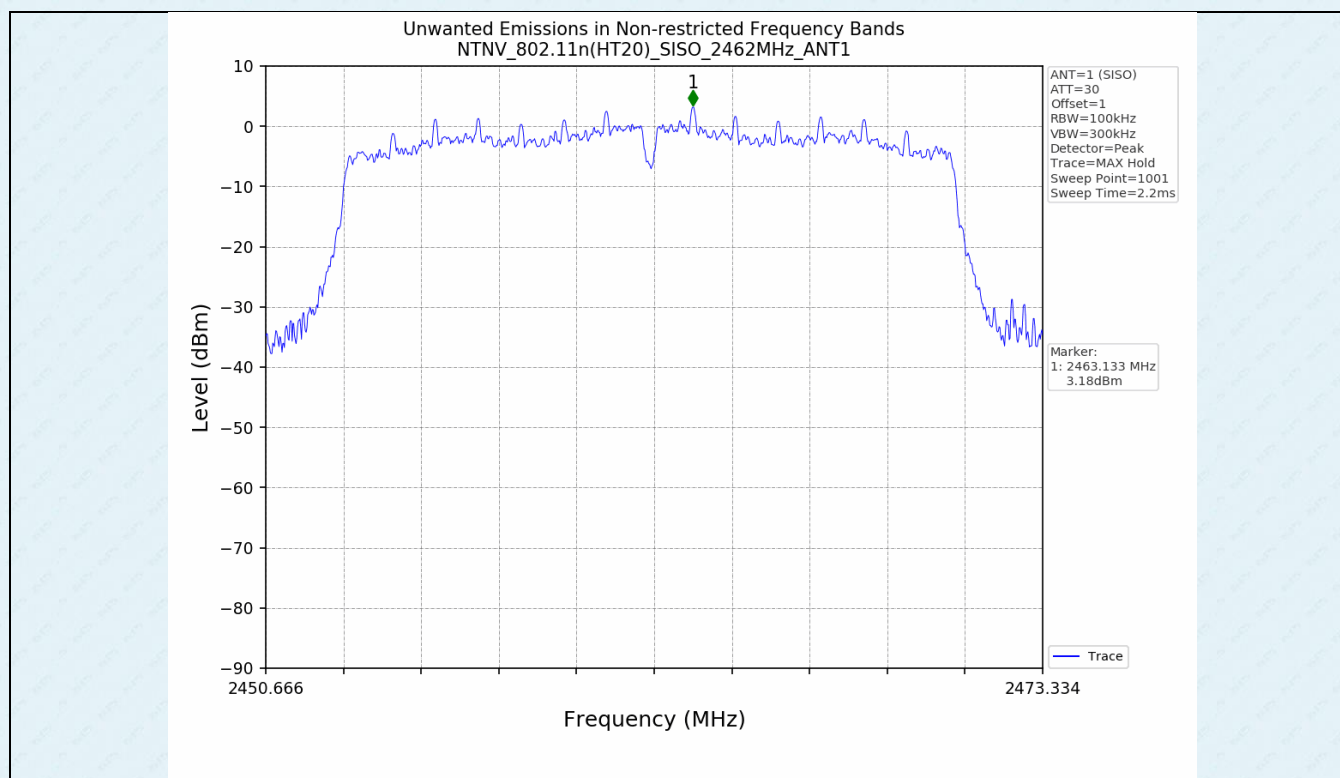
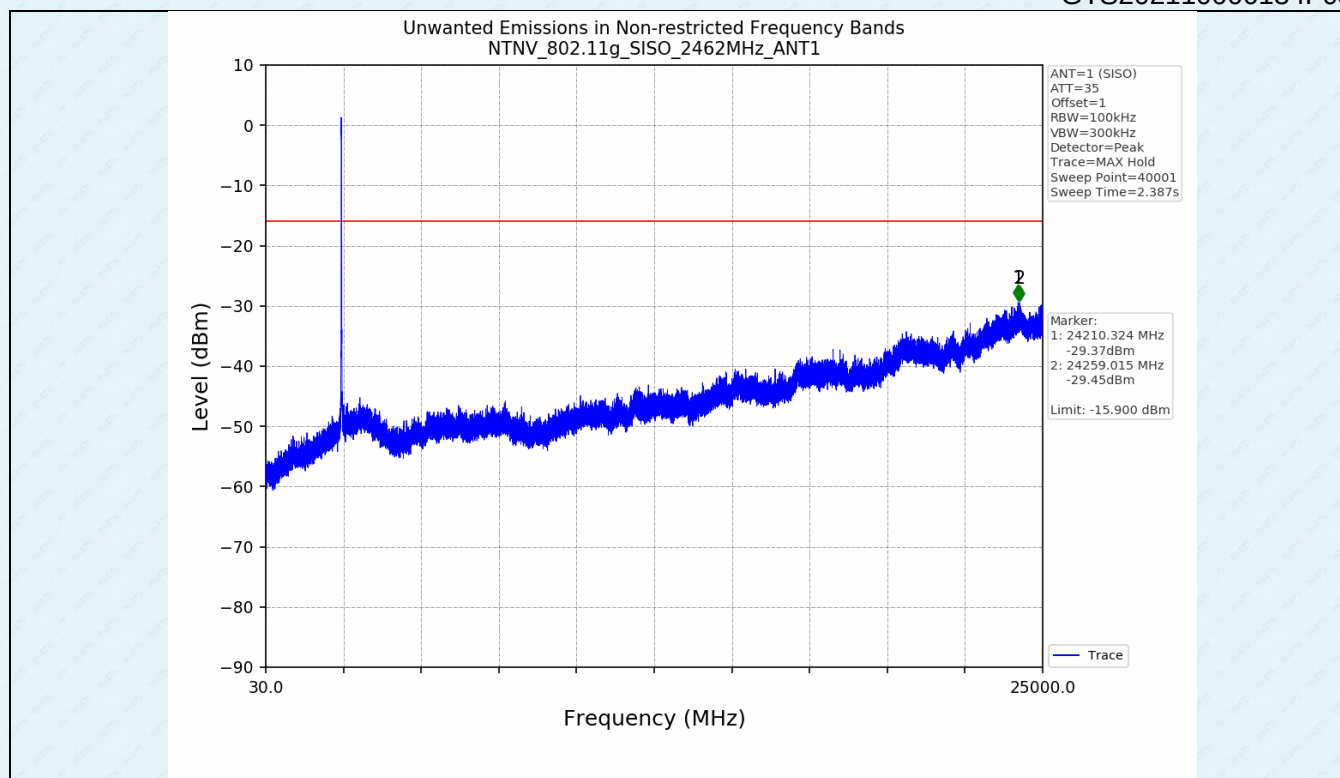


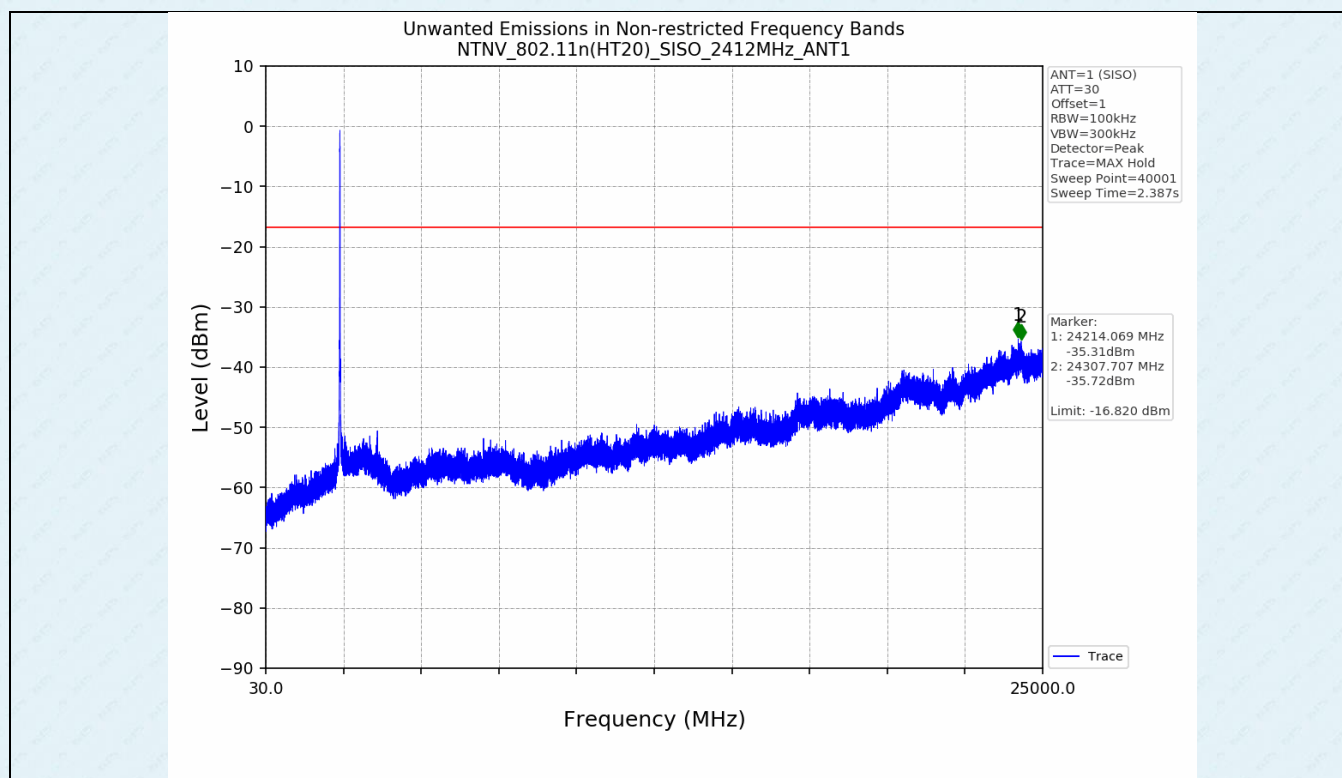
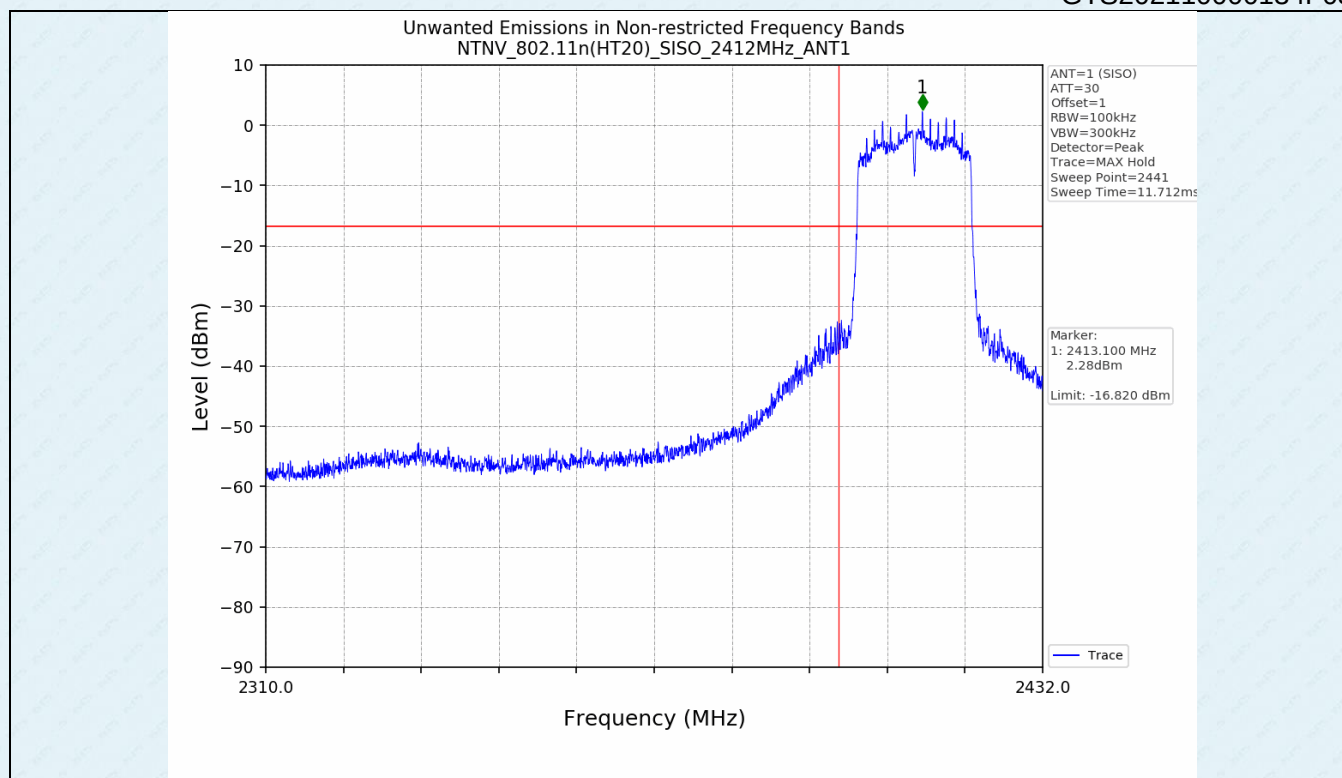


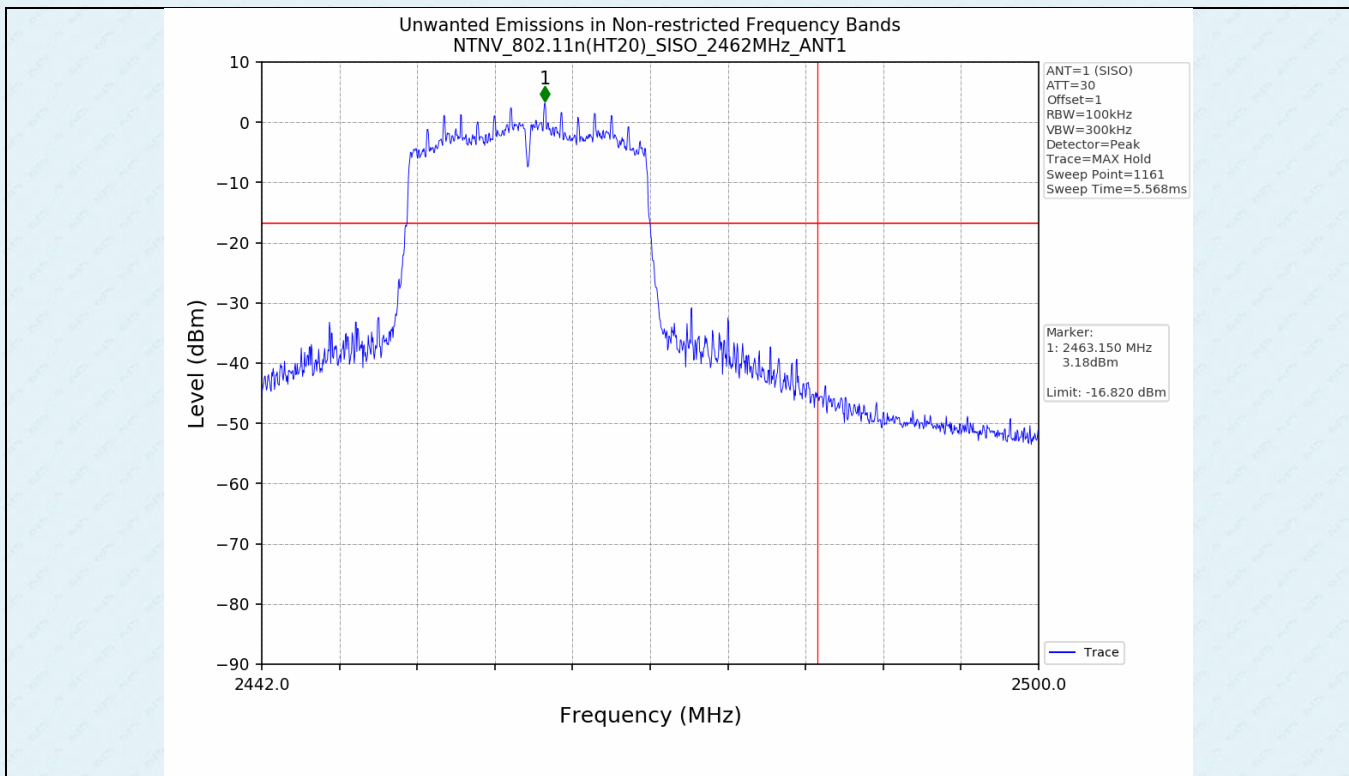
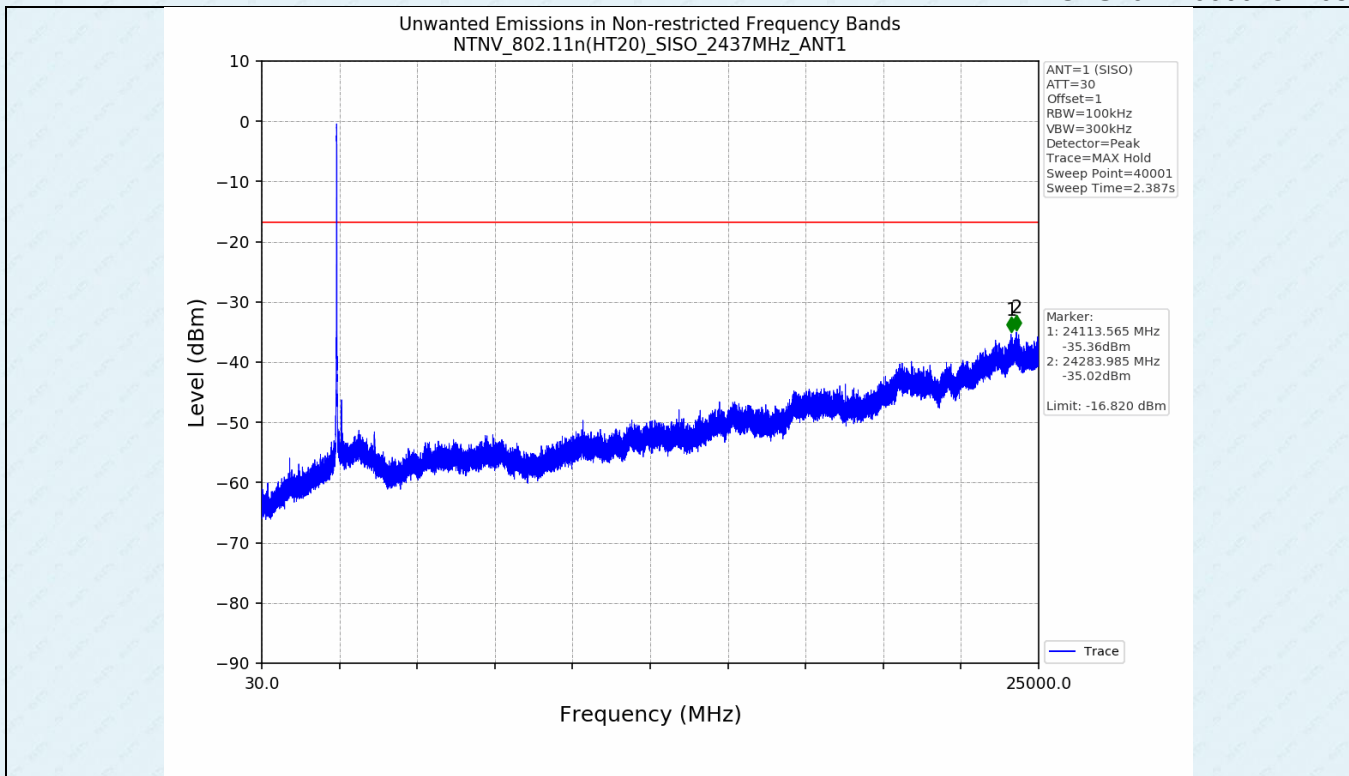


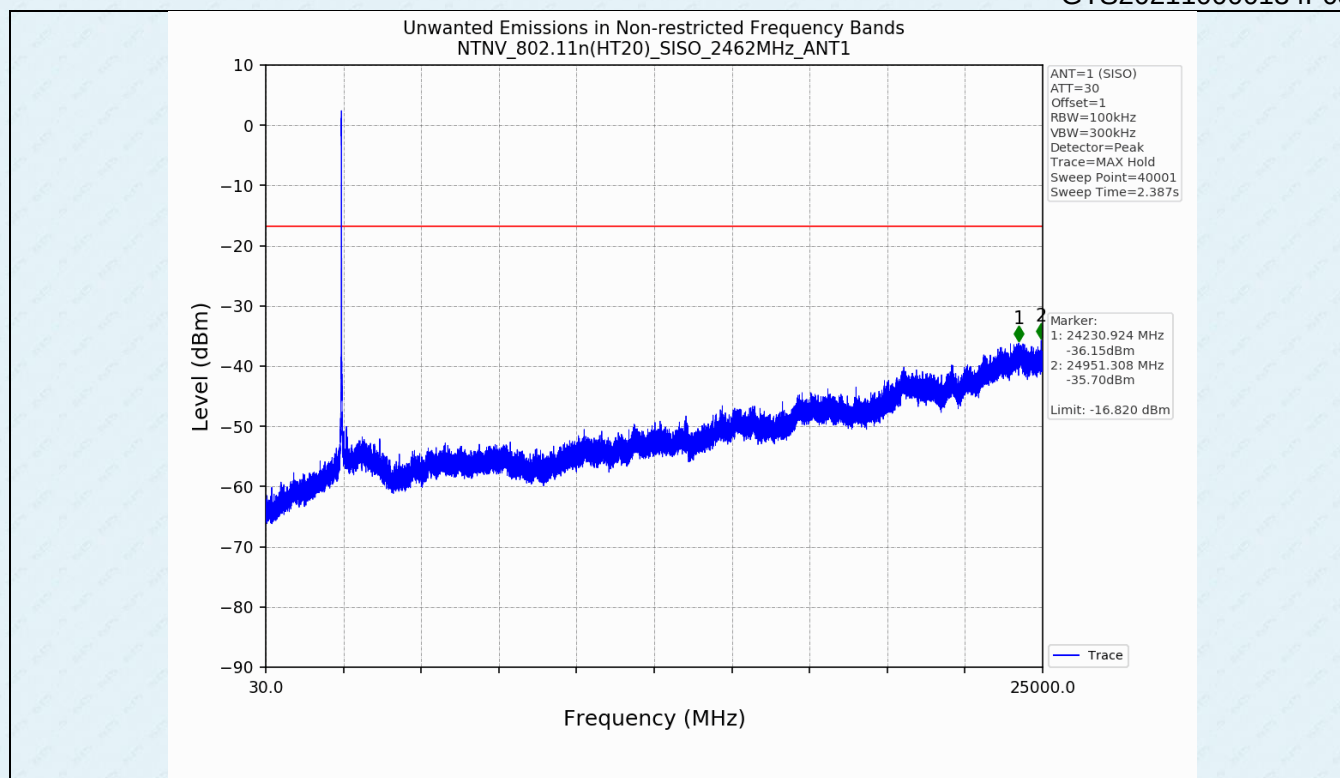










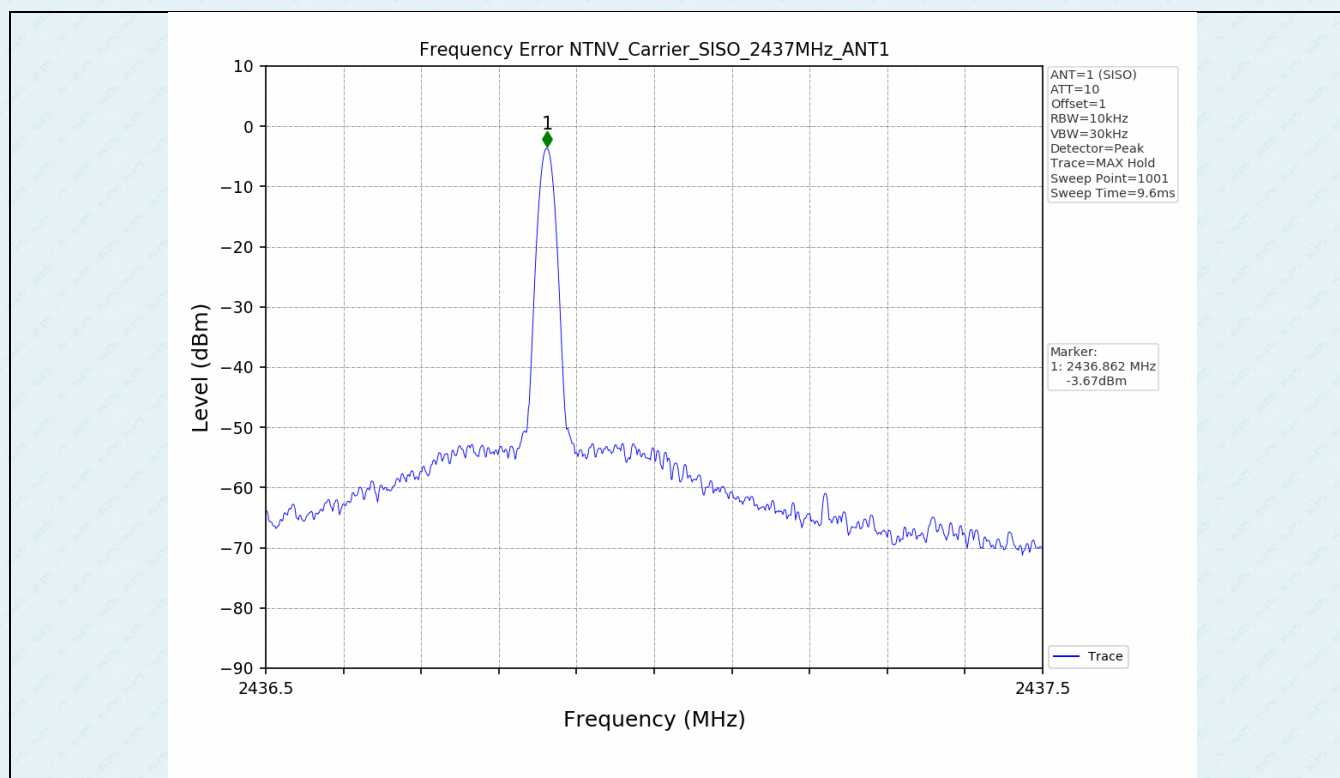
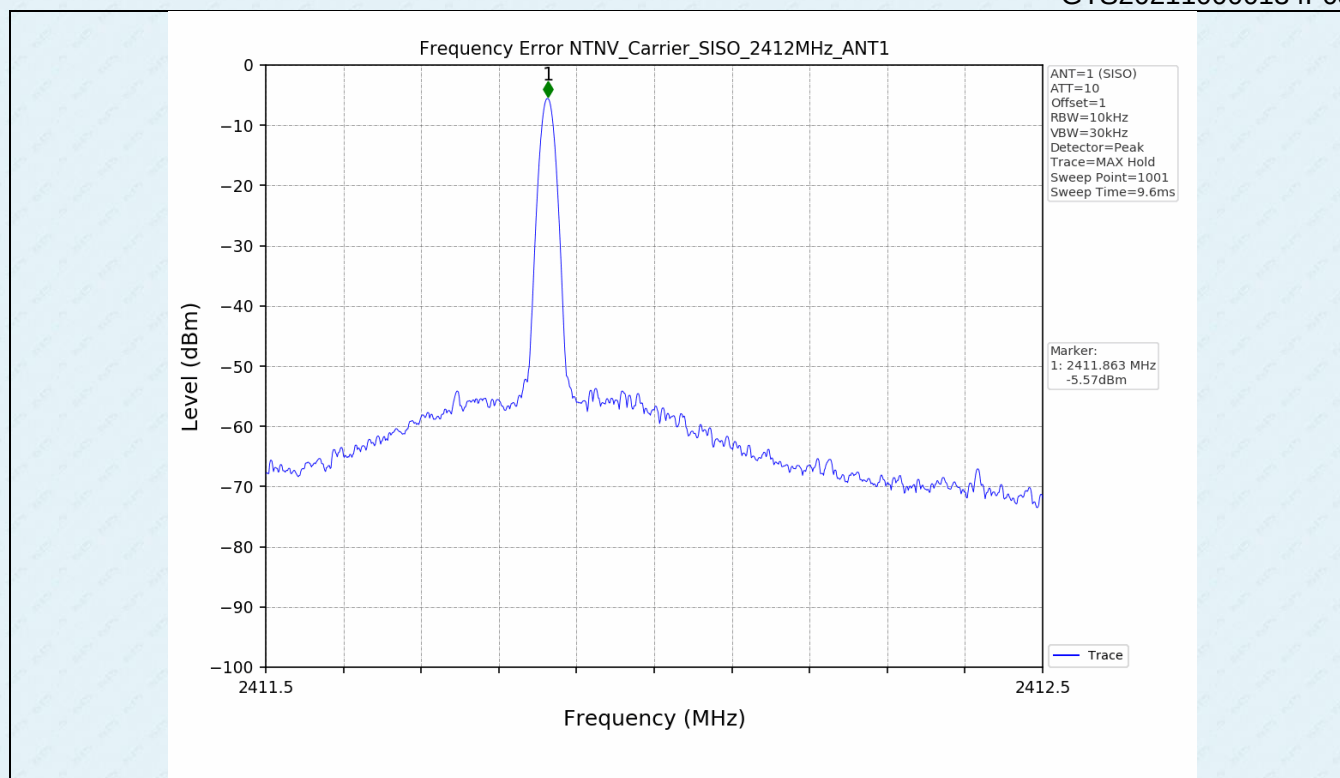


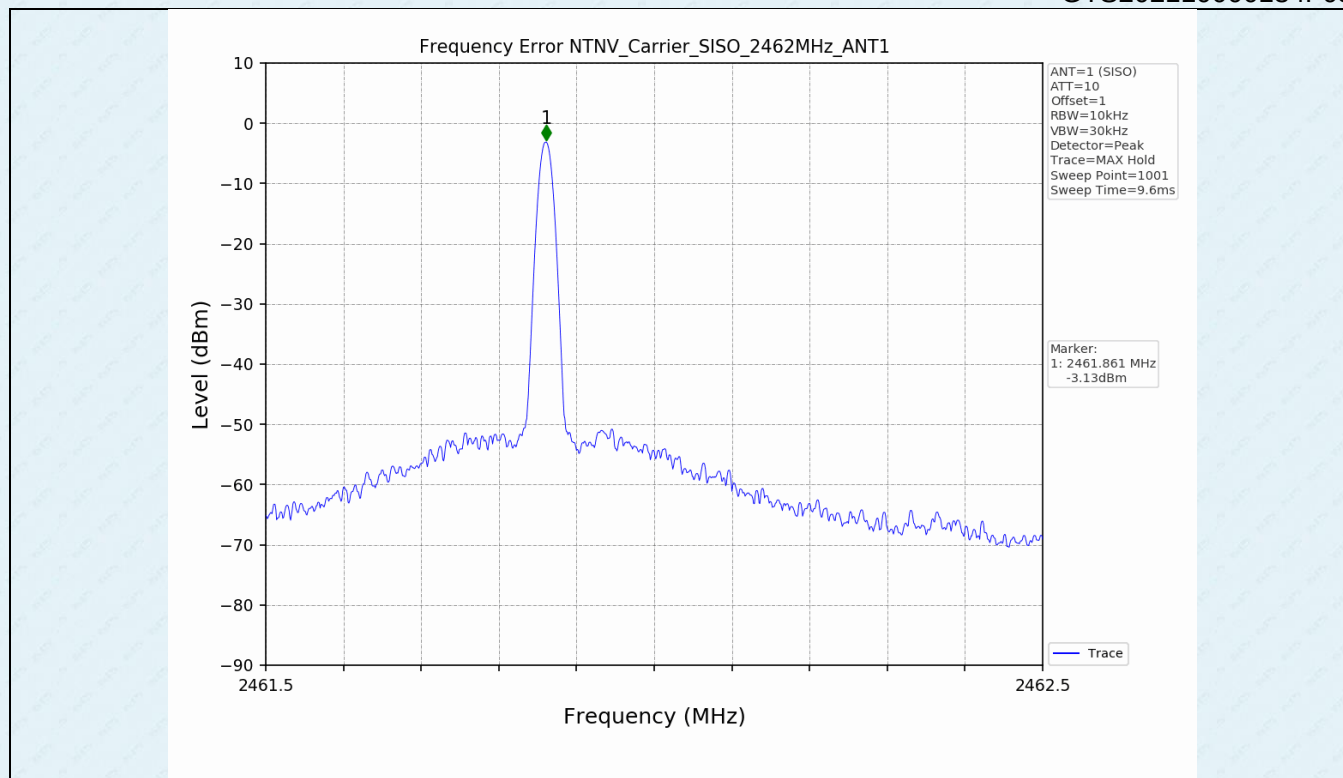
6. Frequency Error

6.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT	Measured Frequency (MHz)		Verdict
				Test Result	Limit	
Carrier	2412	SISO	1	2411.86	2400-2483.5	PASS
	2437	SISO	1	2436.86	2400-2483.5	PASS
	2462	SISO	1	2461.86	2400-2483.5	PASS

6.2 Test Graph





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