

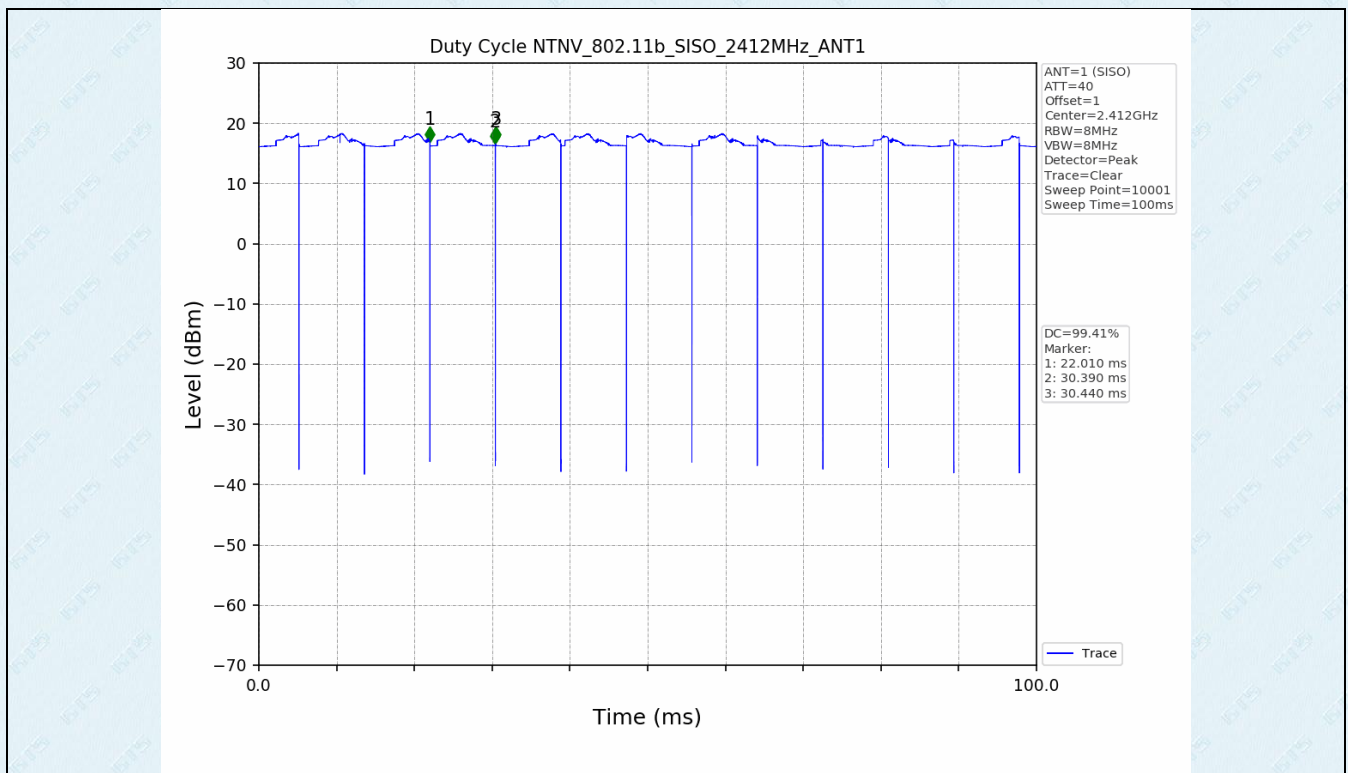
Appendix for 15.247

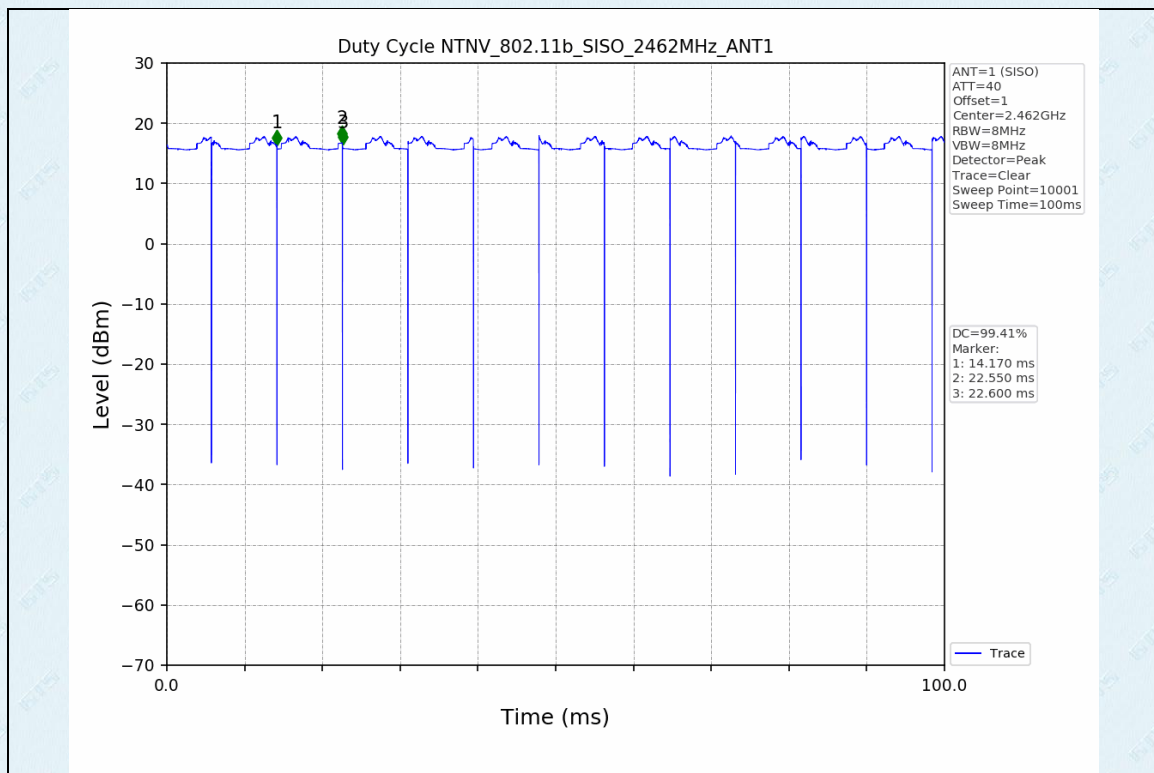
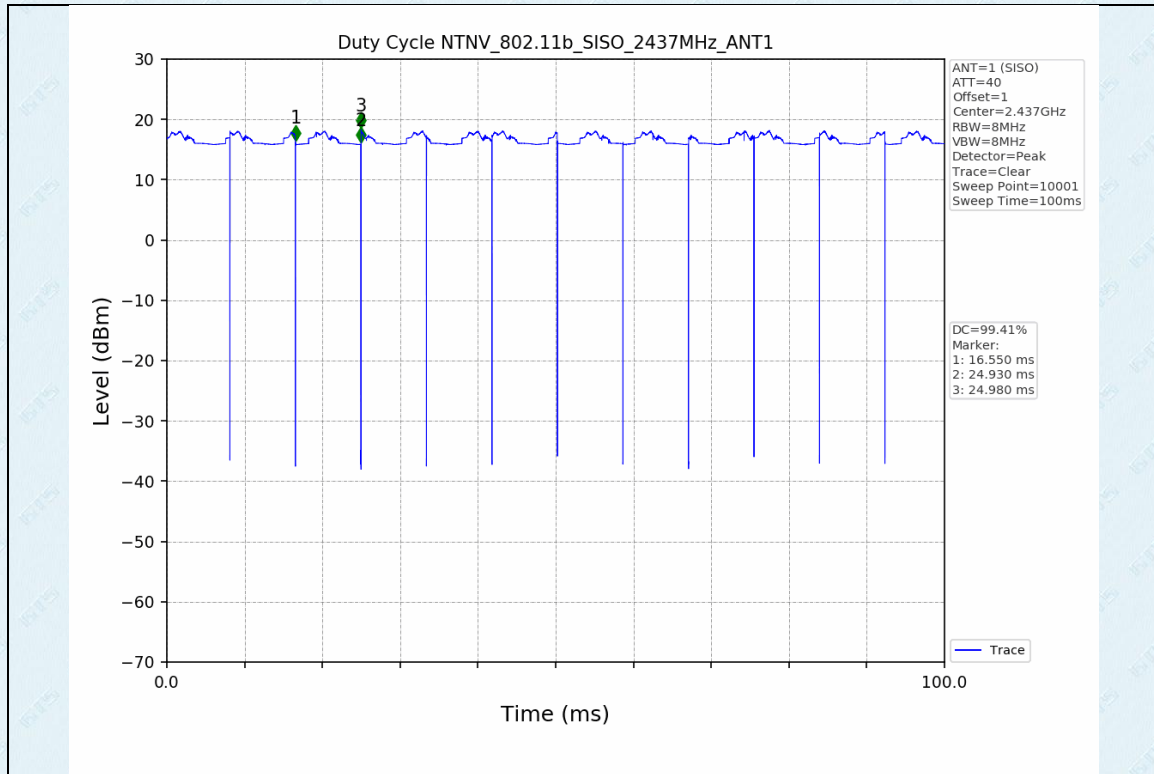
1. Duty Cycle

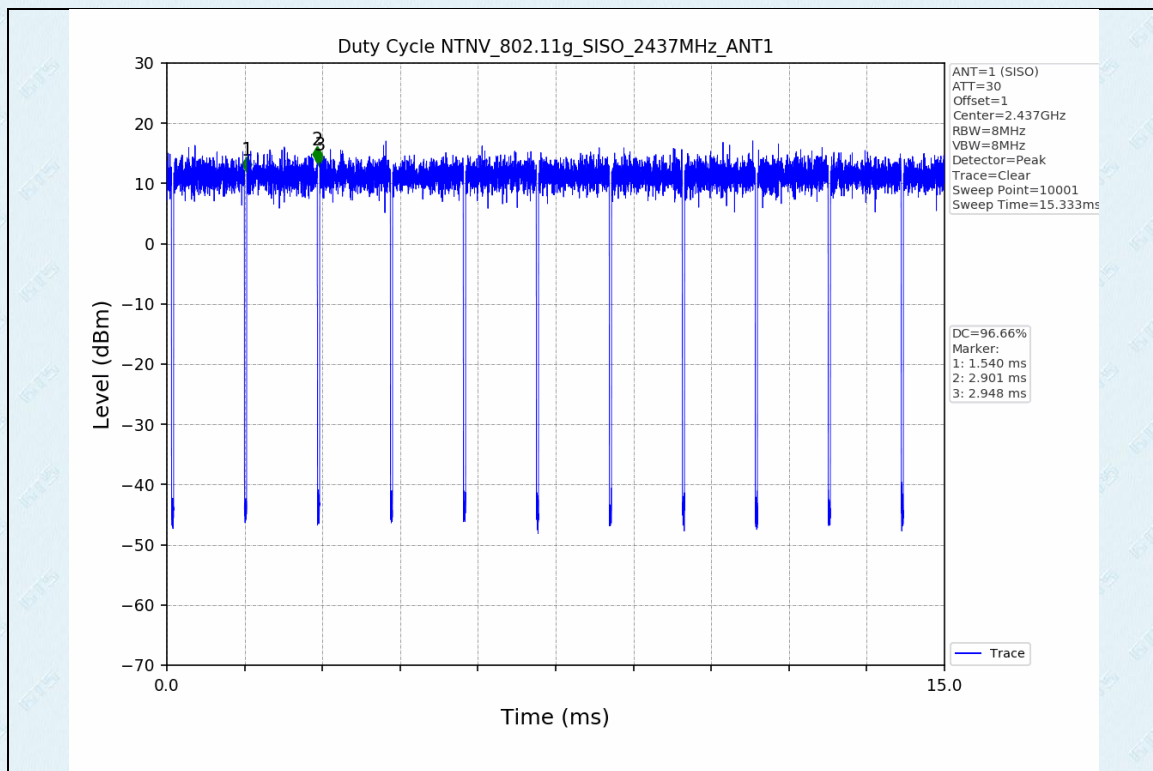
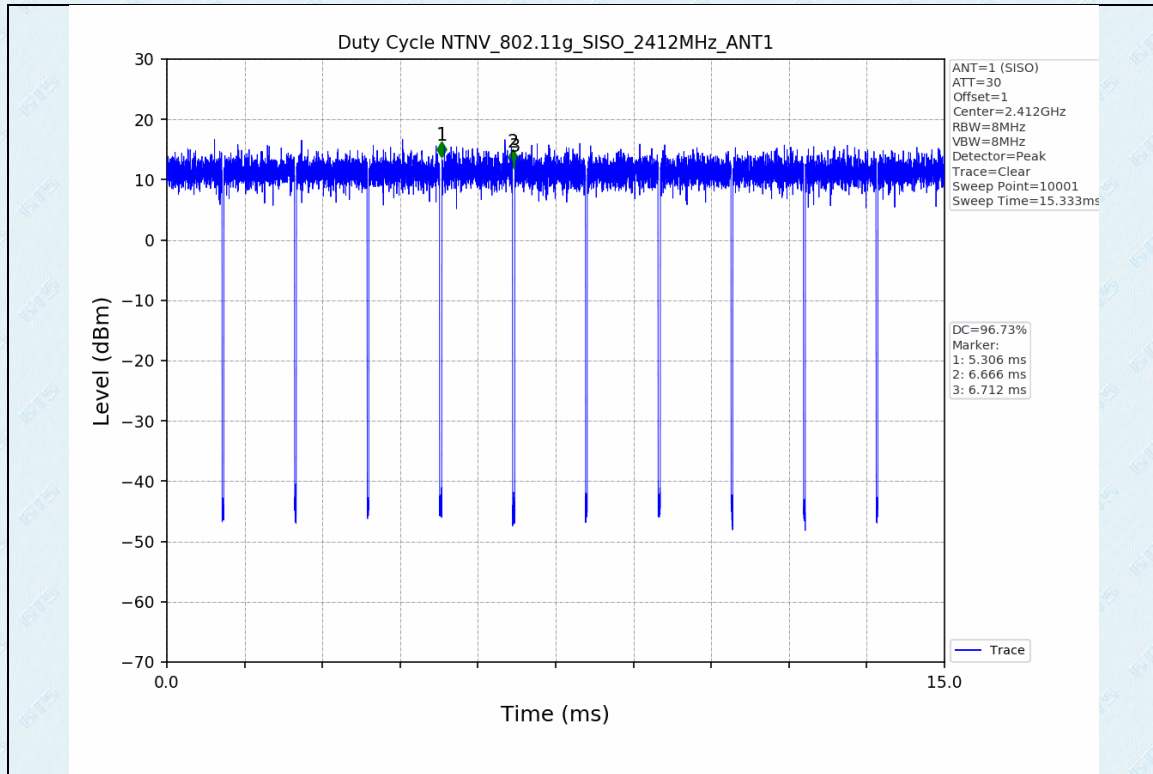
1.1 Test Result

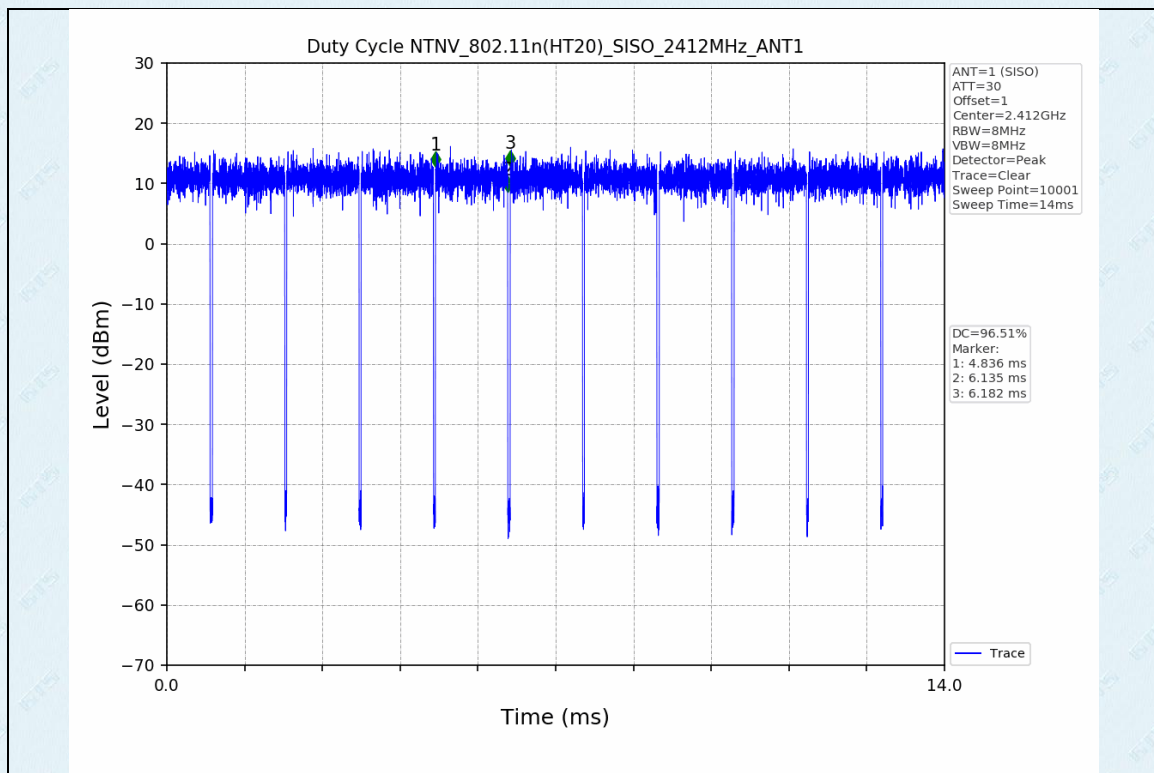
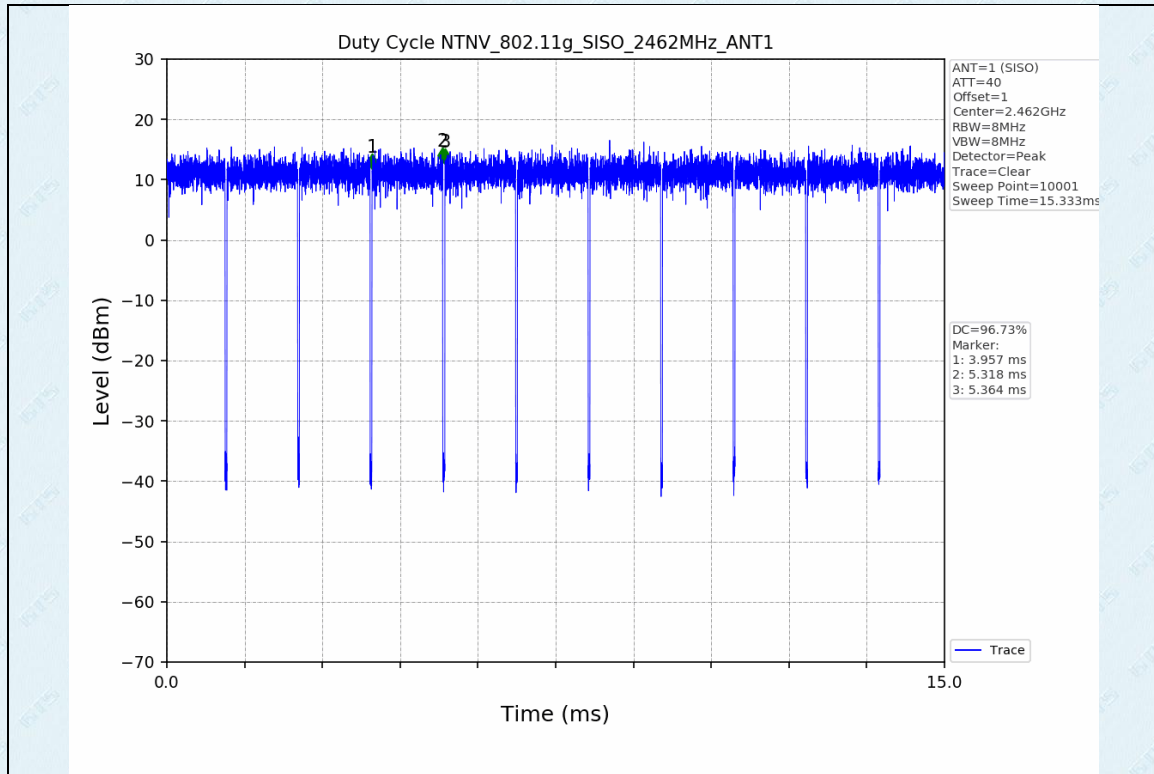
Test Mode	Channel Frequency(M Hz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	8.380	8.430	99.41	0.03
	2437	SISO	1	8.380	8.430	99.41	0.03
	2462	SISO	1	8.380	8.430	99.41	0.03
802.11g	2412	SISO	1	1.360	1.406	96.73	0.14
	2437	SISO	1	1.361	1.408	96.66	0.15
	2462	SISO	1	1.361	1.407	96.73	0.14
802.11n(HT20)	2412	SISO	1	1.299	1.346	96.51	0.15
	2437	SISO	1	1.299	1.347	96.44	0.16
	2462	SISO	1	1.300	1.347	96.51	0.15

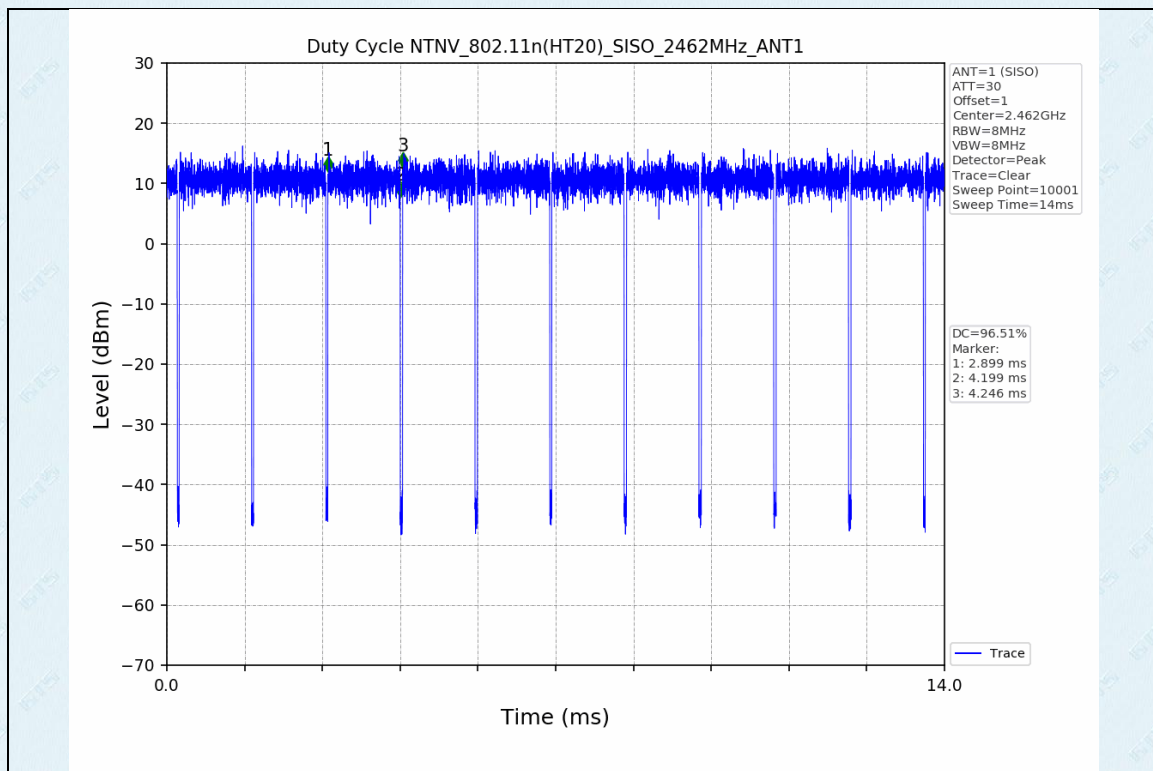
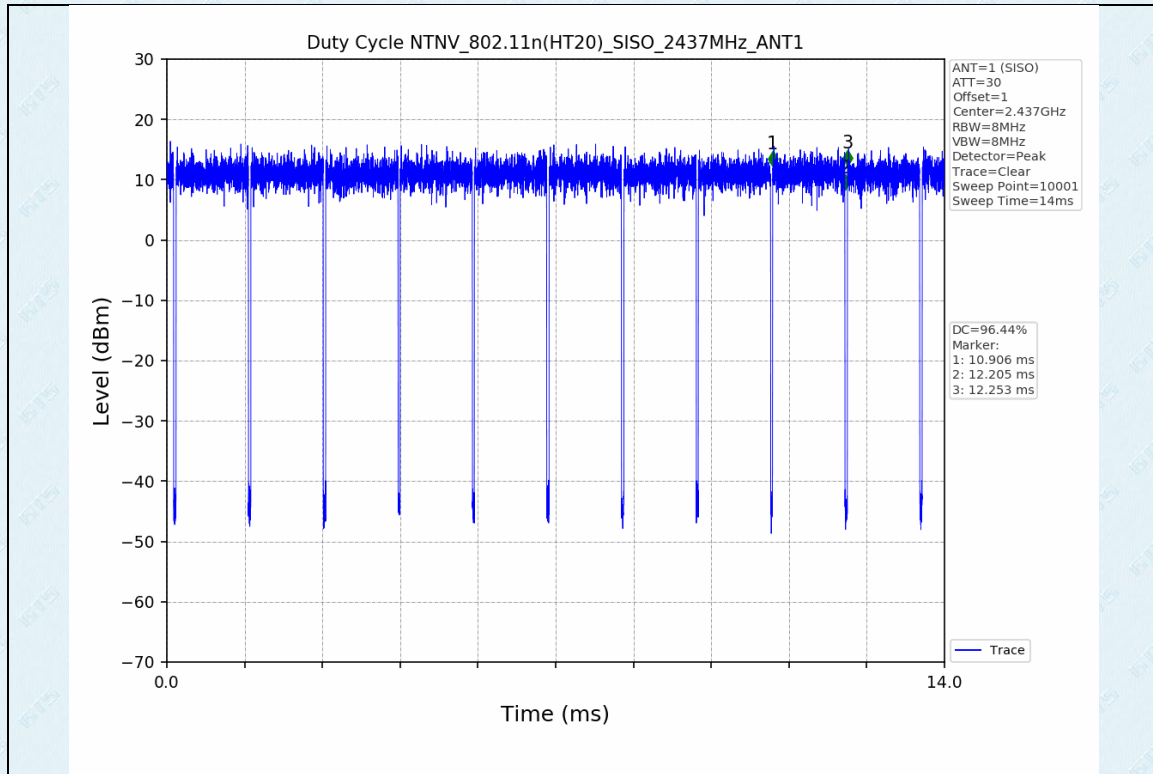
1.2 Test Graph











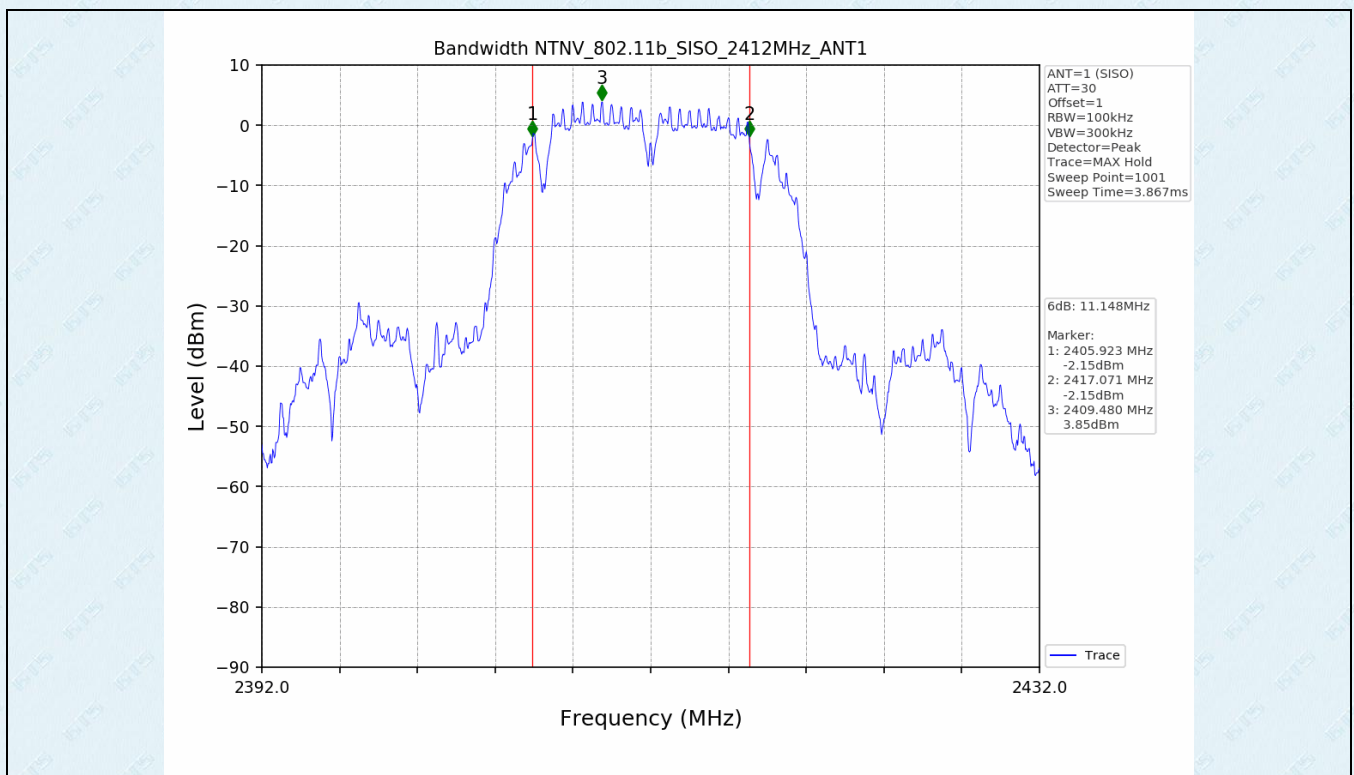
2. Bandwidth

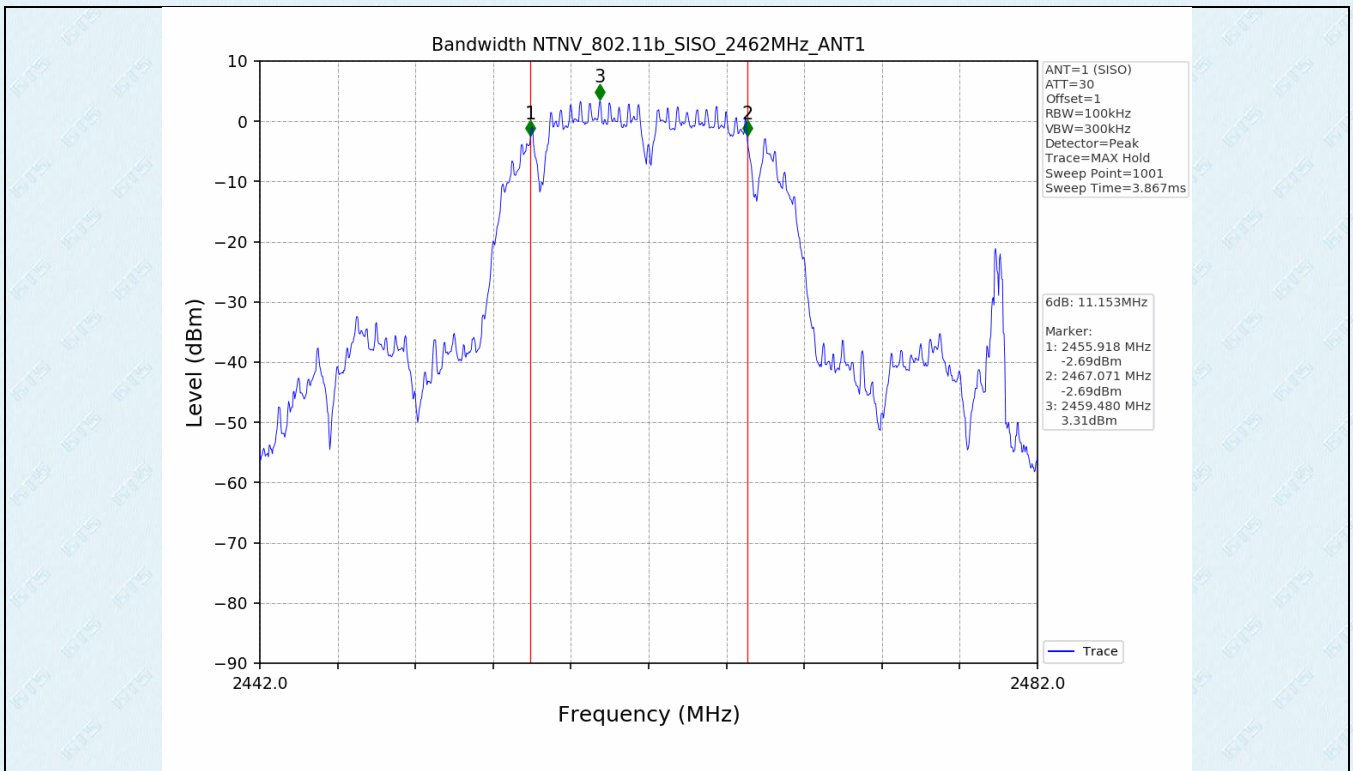
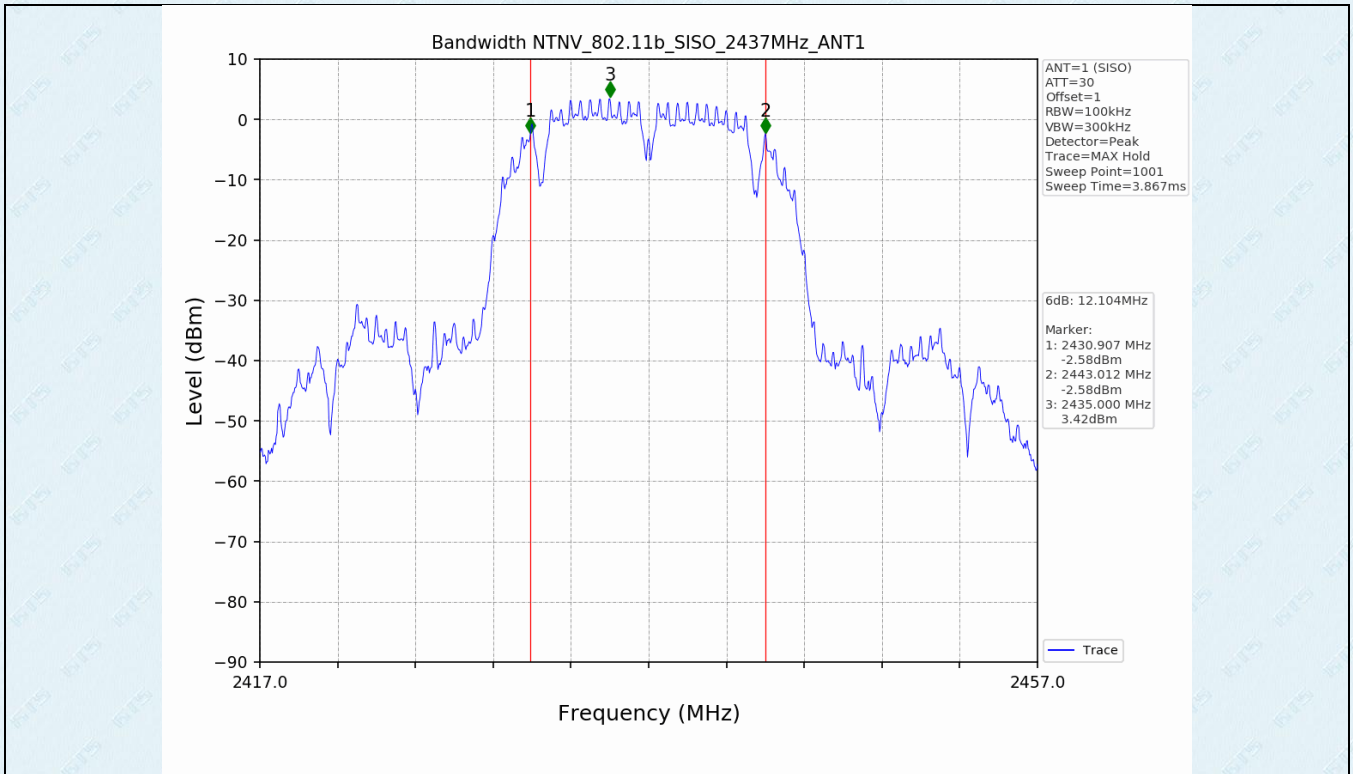
2.1 Test Result

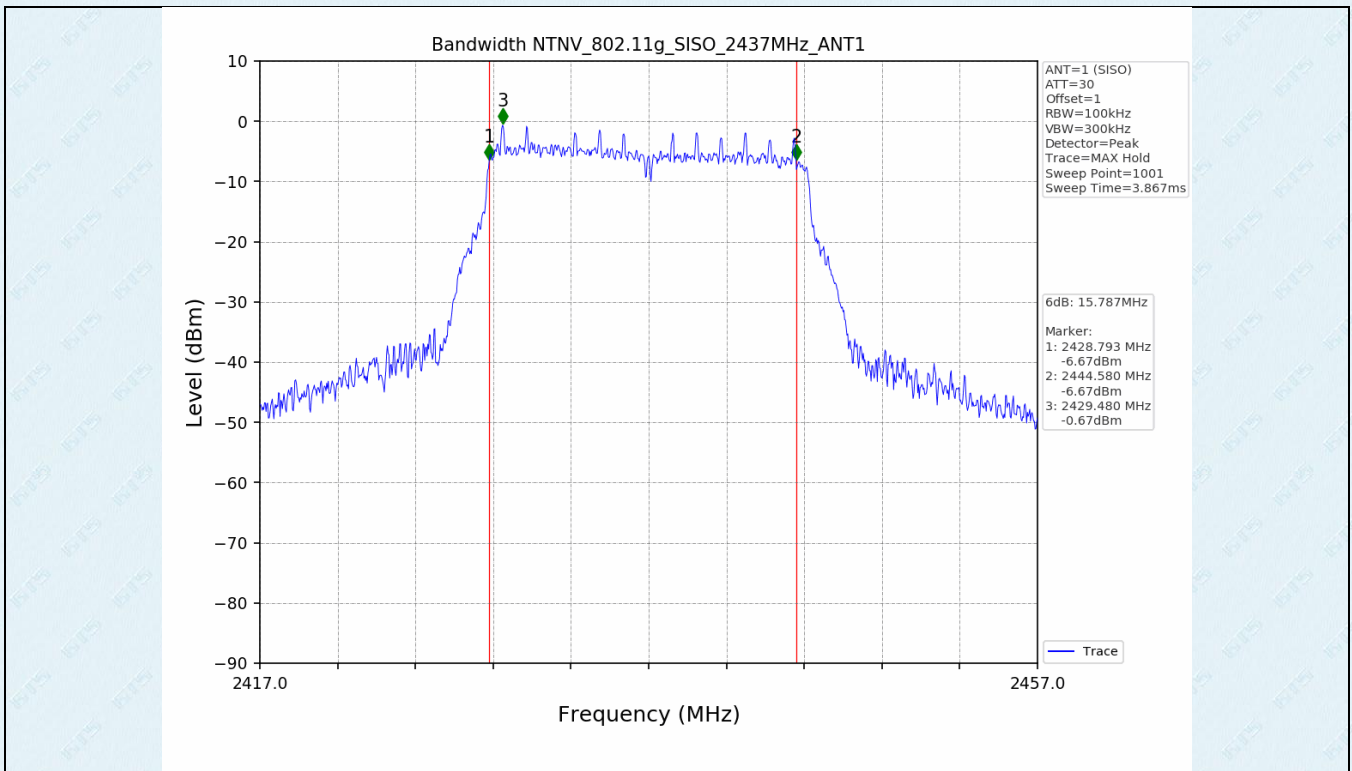
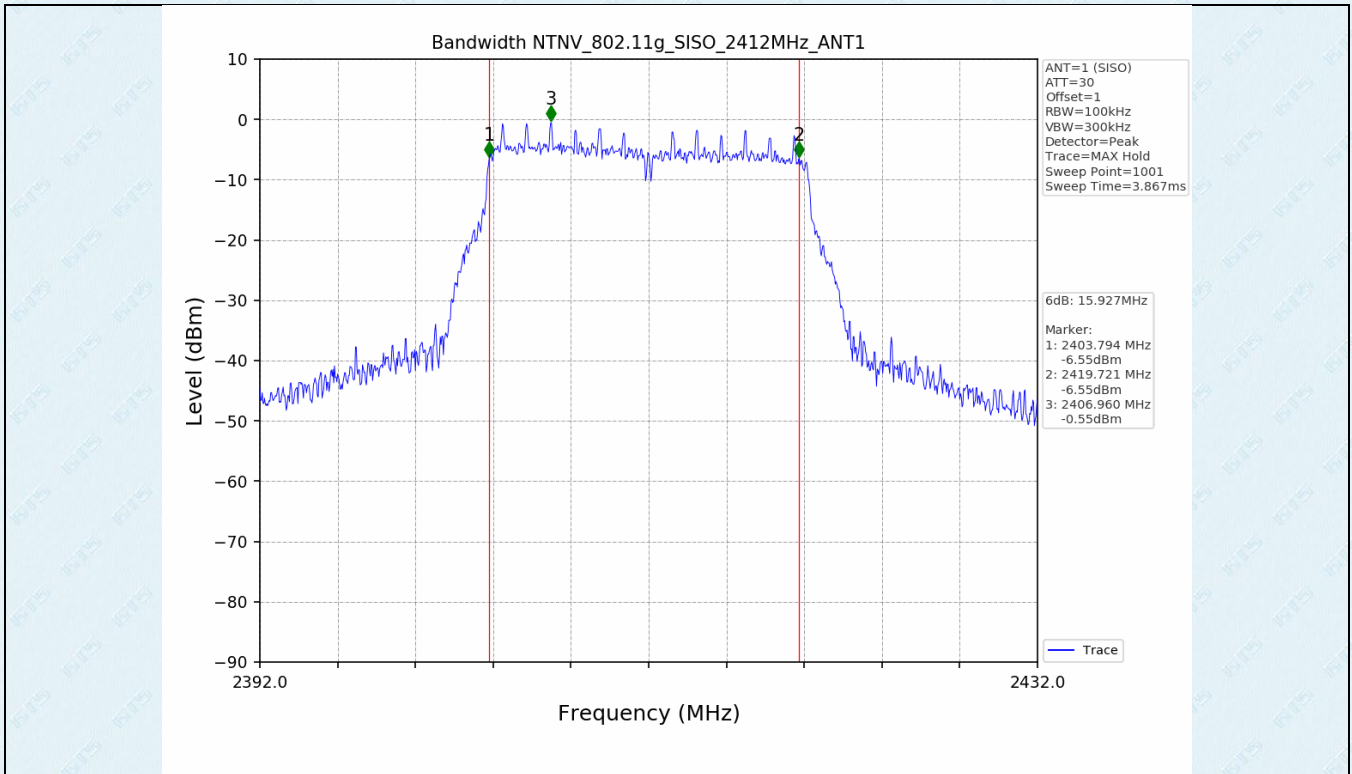
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	11.148	≥0.5	PASS
	2437	SISO	1	12.104	≥0.5	PASS
	2462	SISO	1	11.153	≥0.5	PASS
802.11g	2412	SISO	1	15.927	≥0.5	PASS
	2437	SISO	1	15.787	≥0.5	PASS
	2462	SISO	1	15.965	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	16.616	≥0.5	PASS
	2437	SISO	1	16.573	≥0.5	PASS
	2462	SISO	1	16.722	≥0.5	PASS

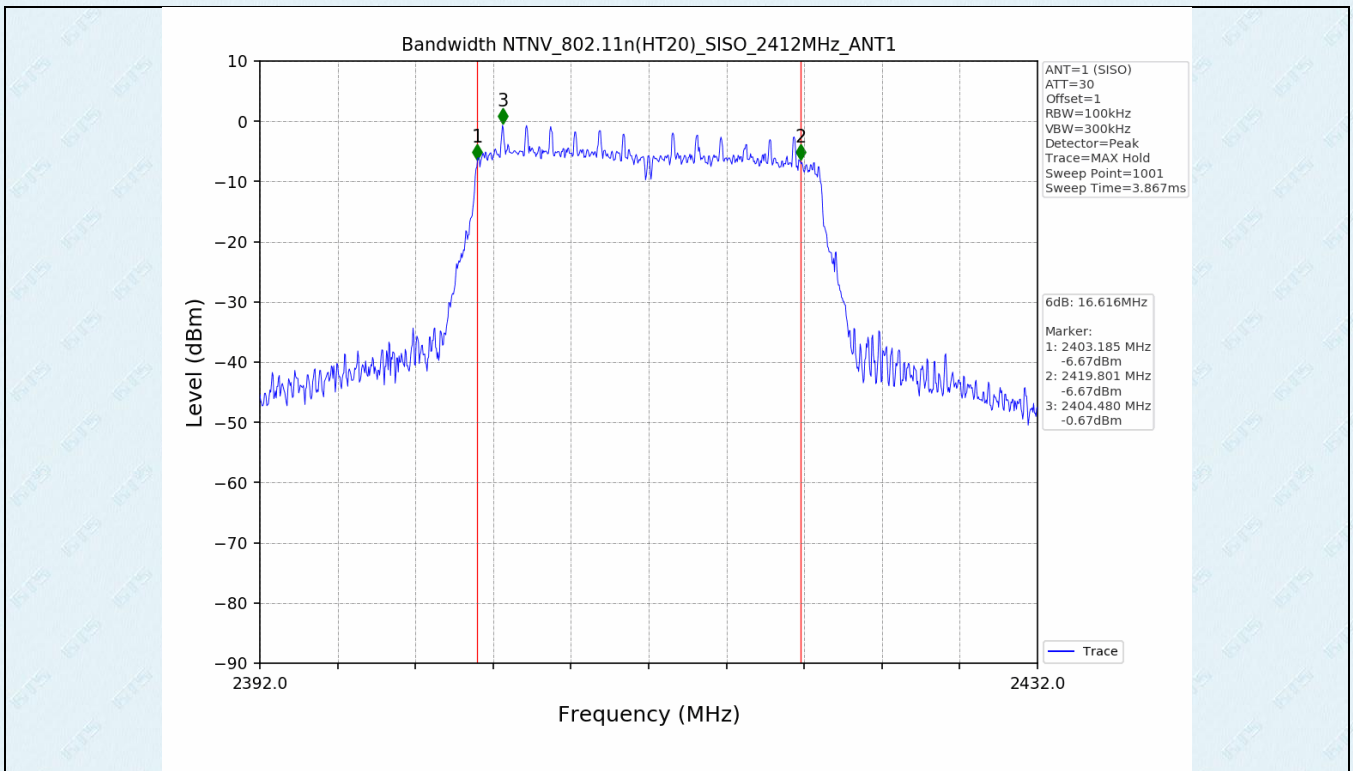
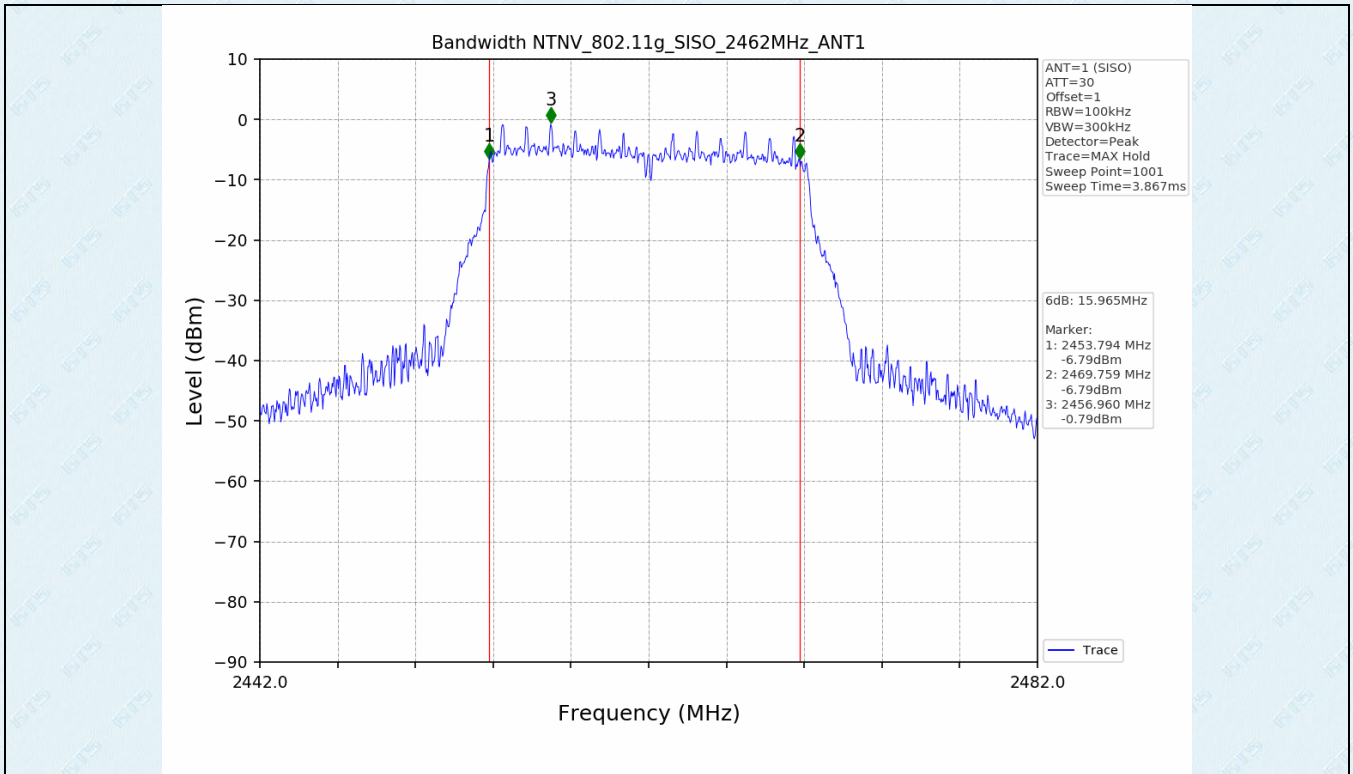
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	13.992	Only for Report Use
	2437	SISO	1	13.969	Only for Report Use
	2462	SISO	1	13.971	Only for Report Use
802.11g	2412	SISO	1	16.998	Only for Report Use
	2437	SISO	1	16.928	Only for Report Use
	2462	SISO	1	16.948	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.918	Only for Report Use
	2437	SISO	1	17.904	Only for Report Use
	2462	SISO	1	17.920	Only for Report Use

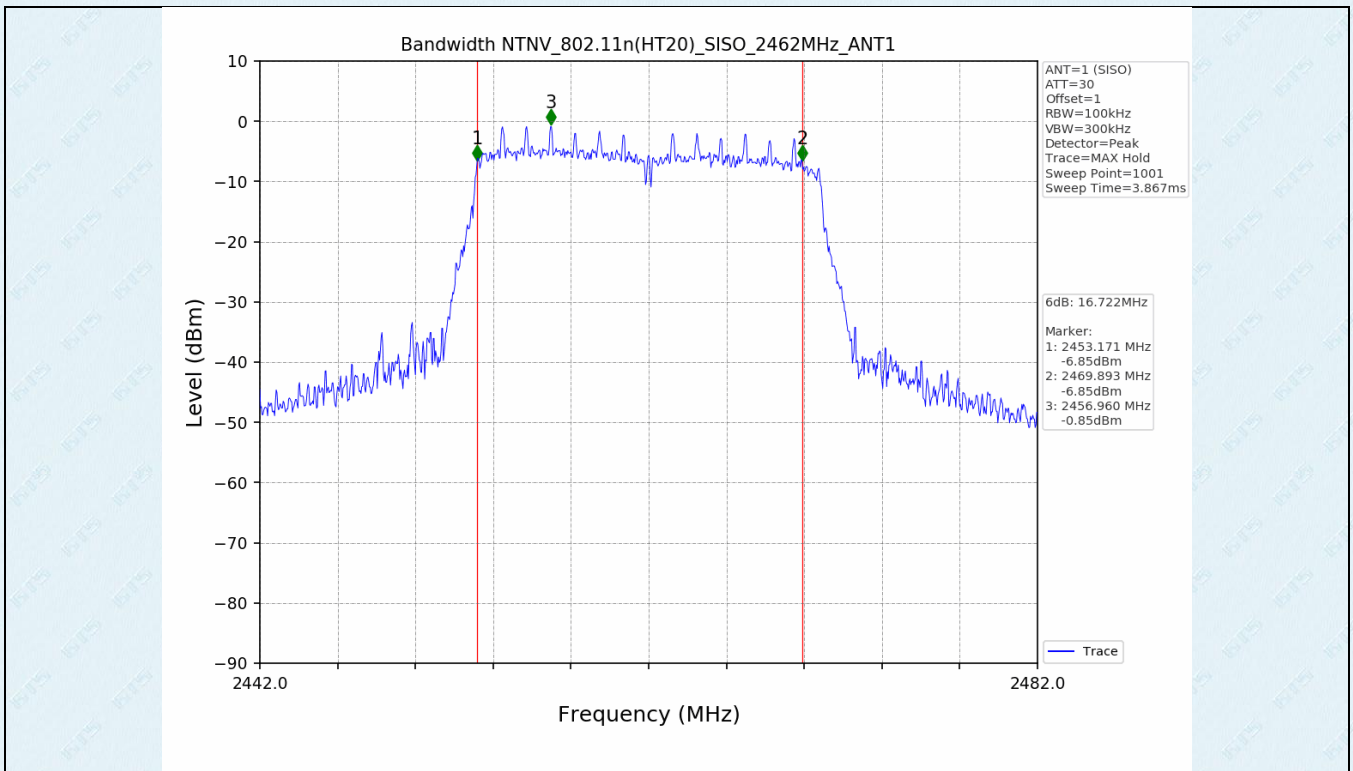
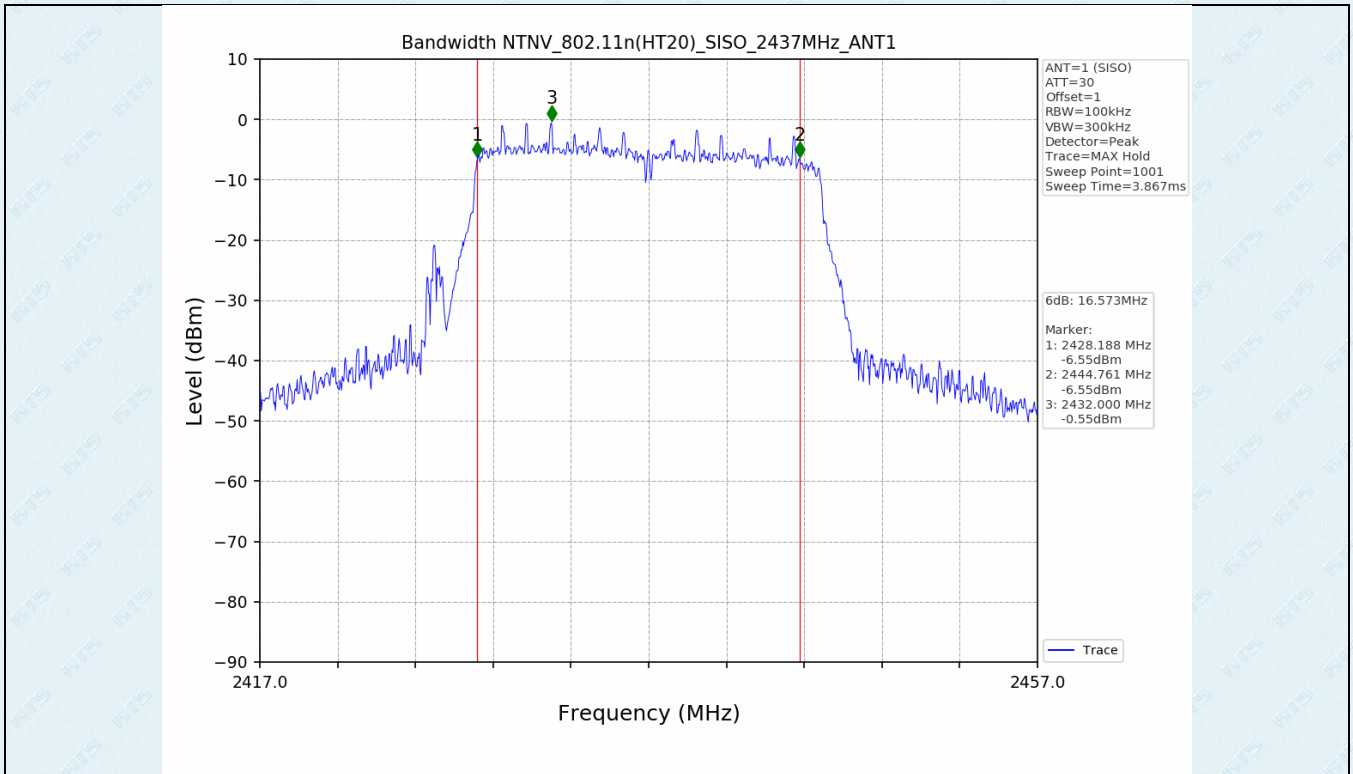
2.2 Test Graph - 6dB Bandwidth



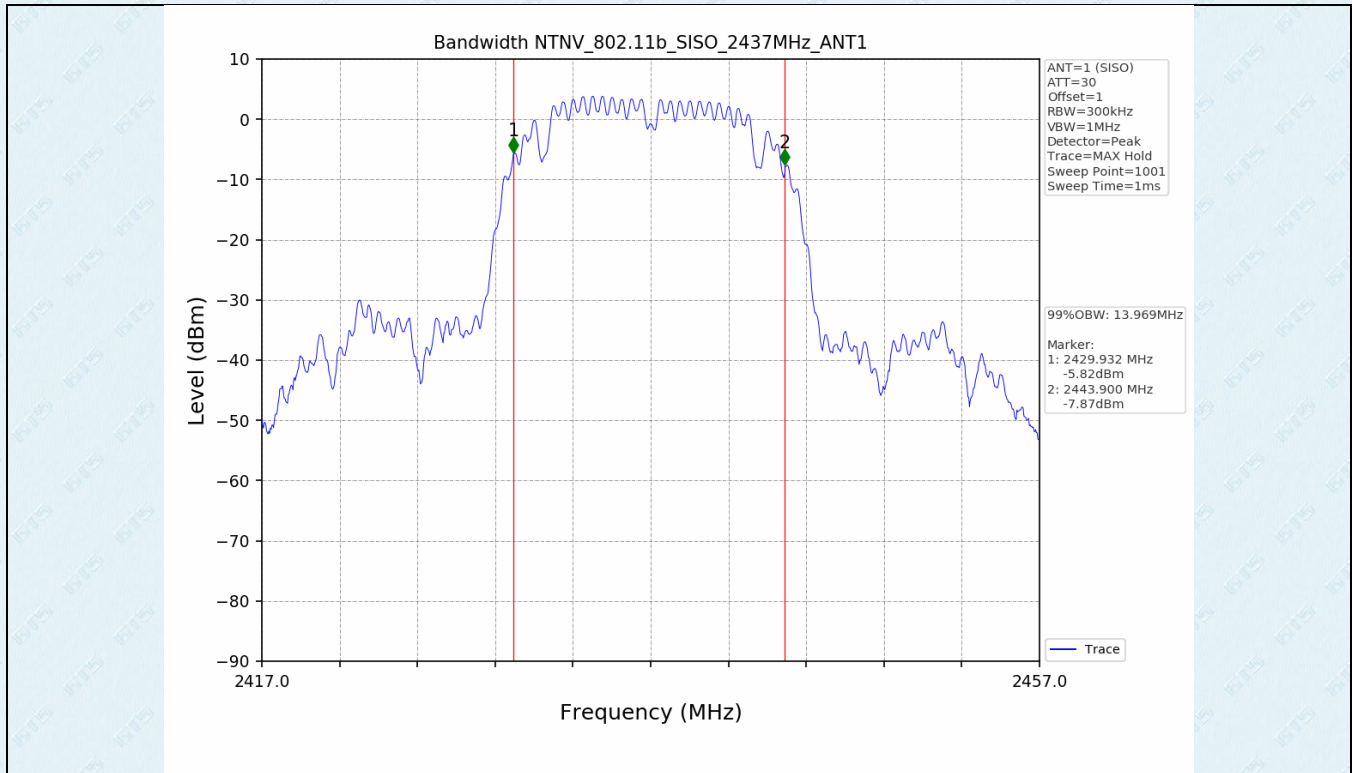
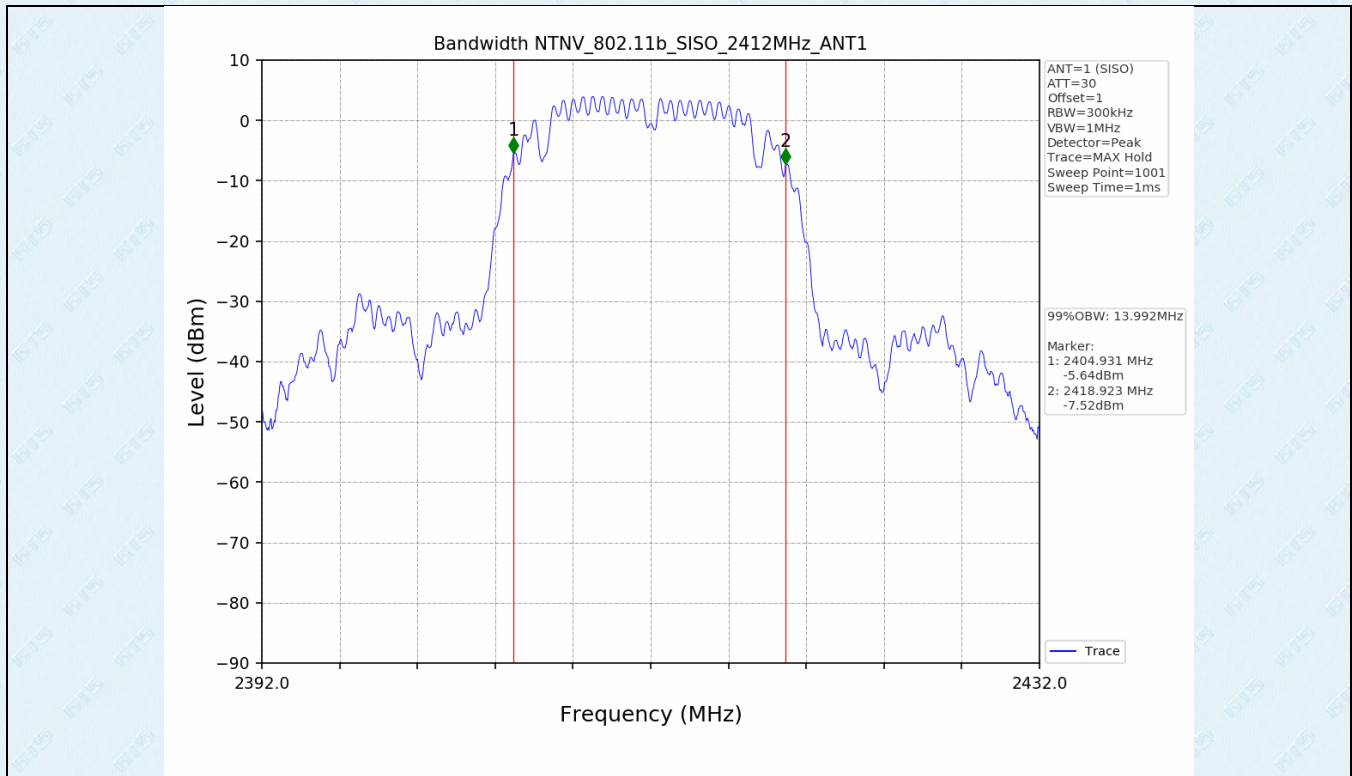


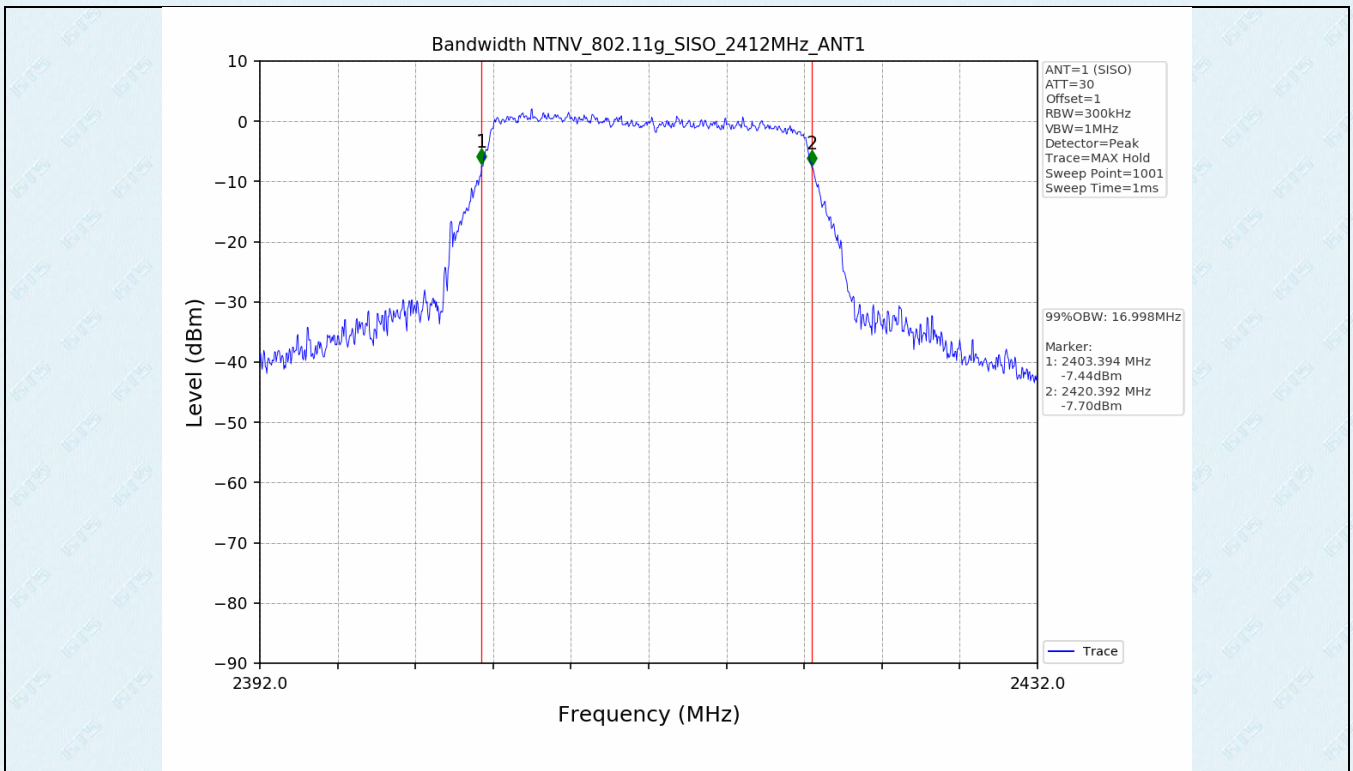
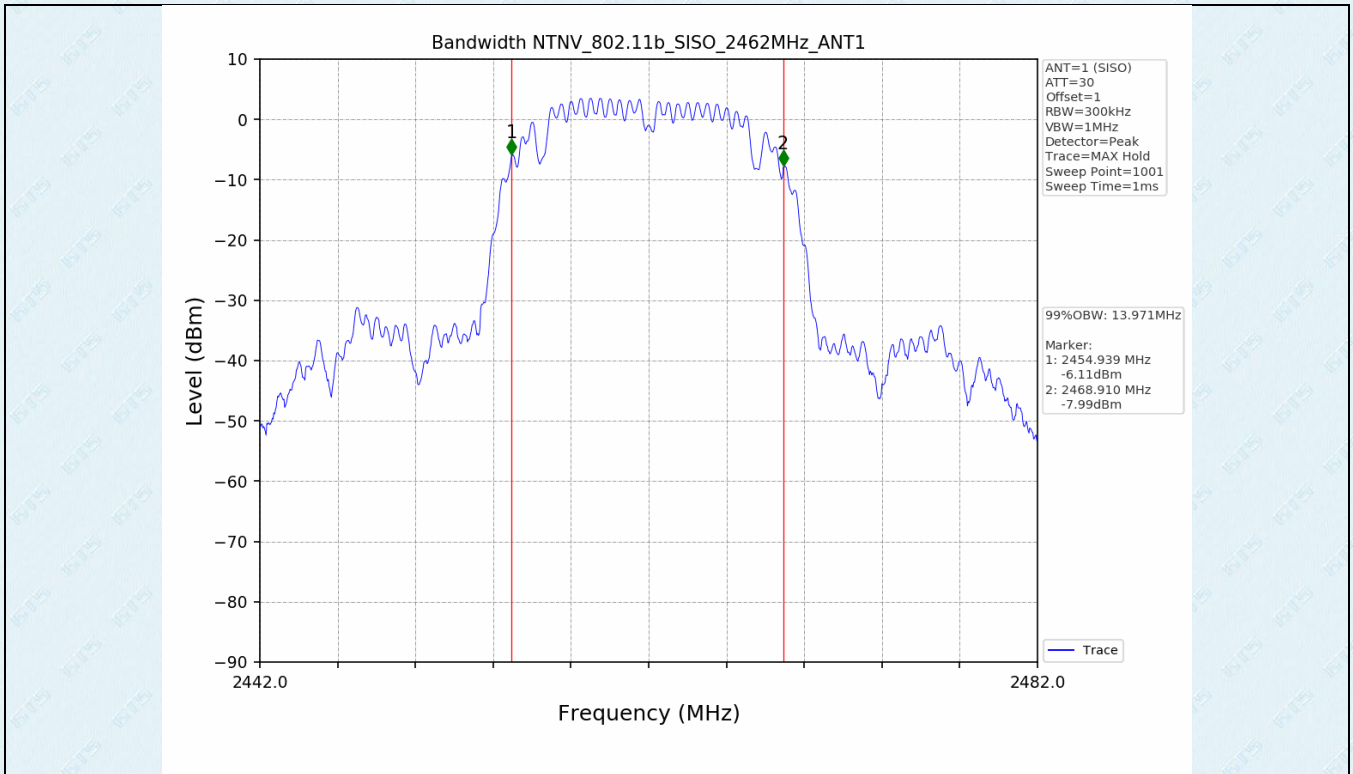


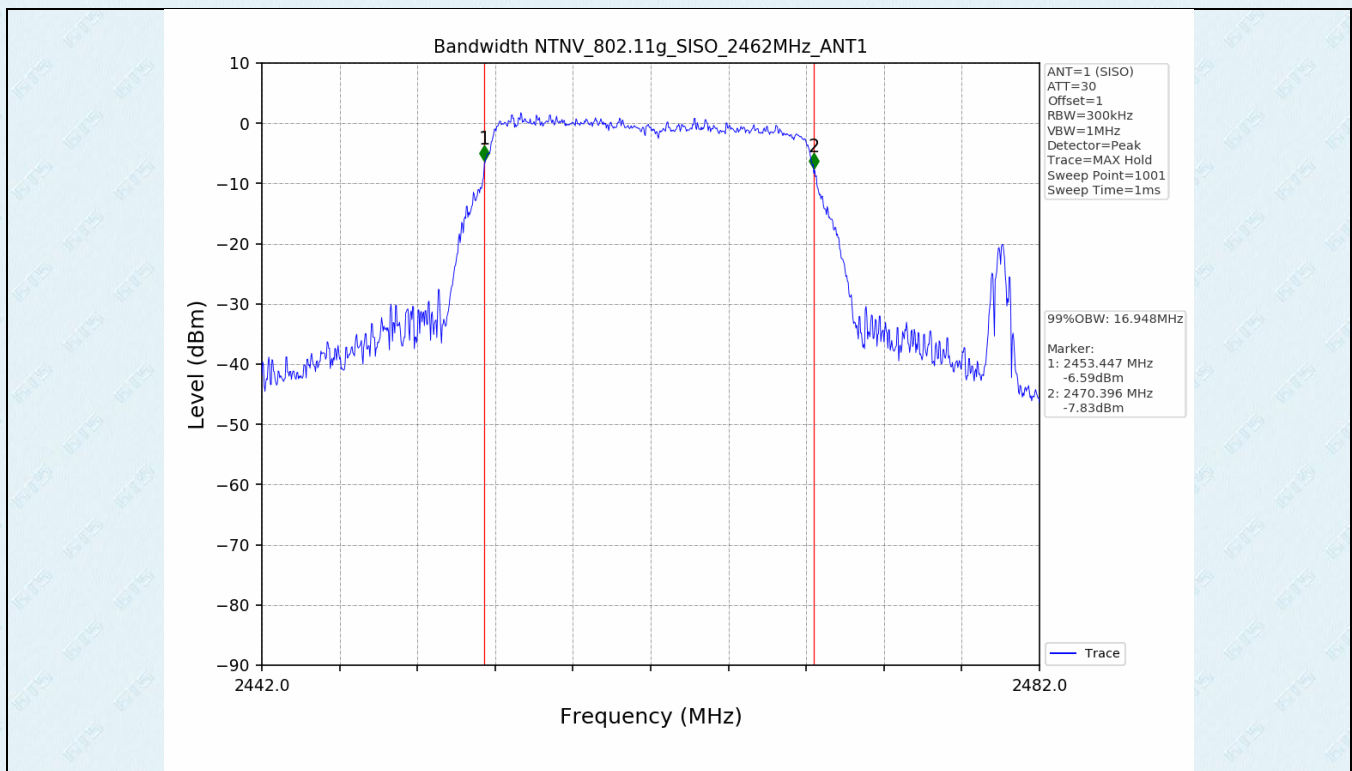
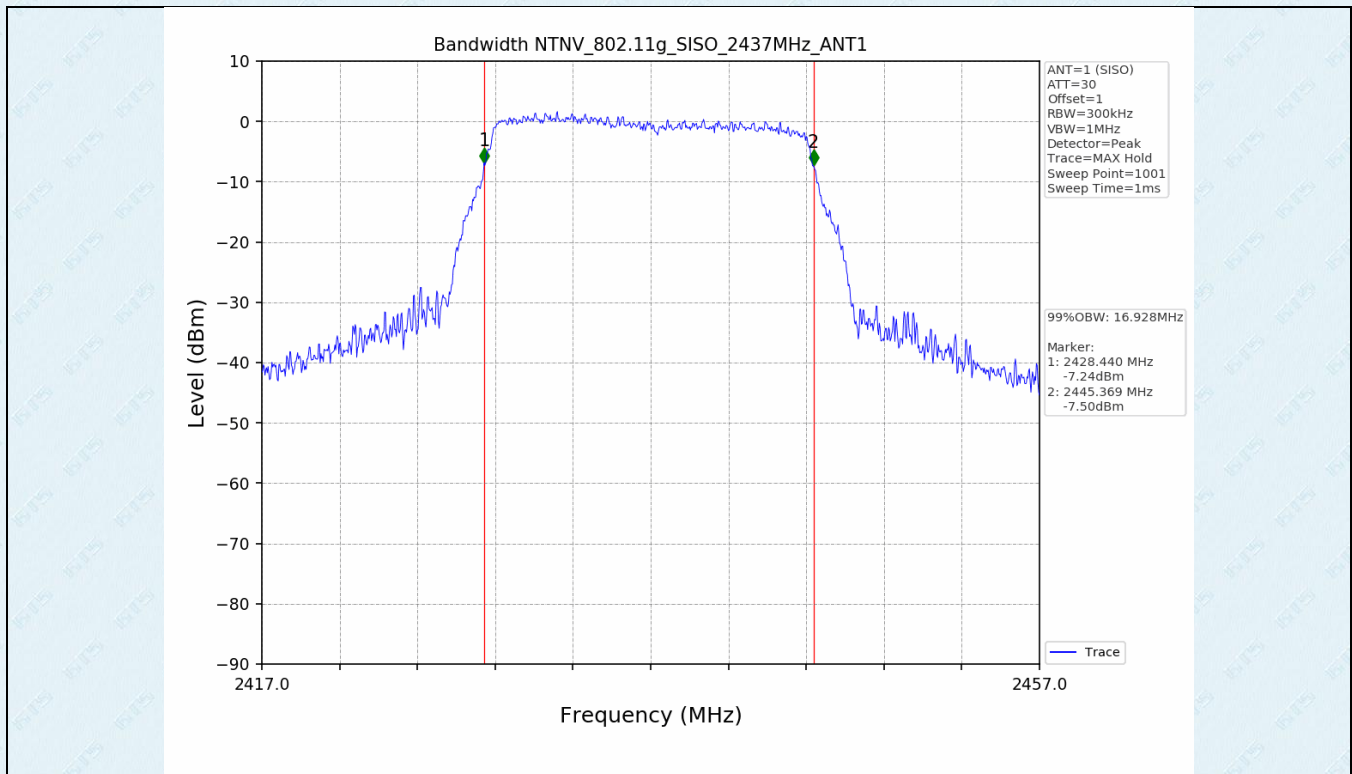


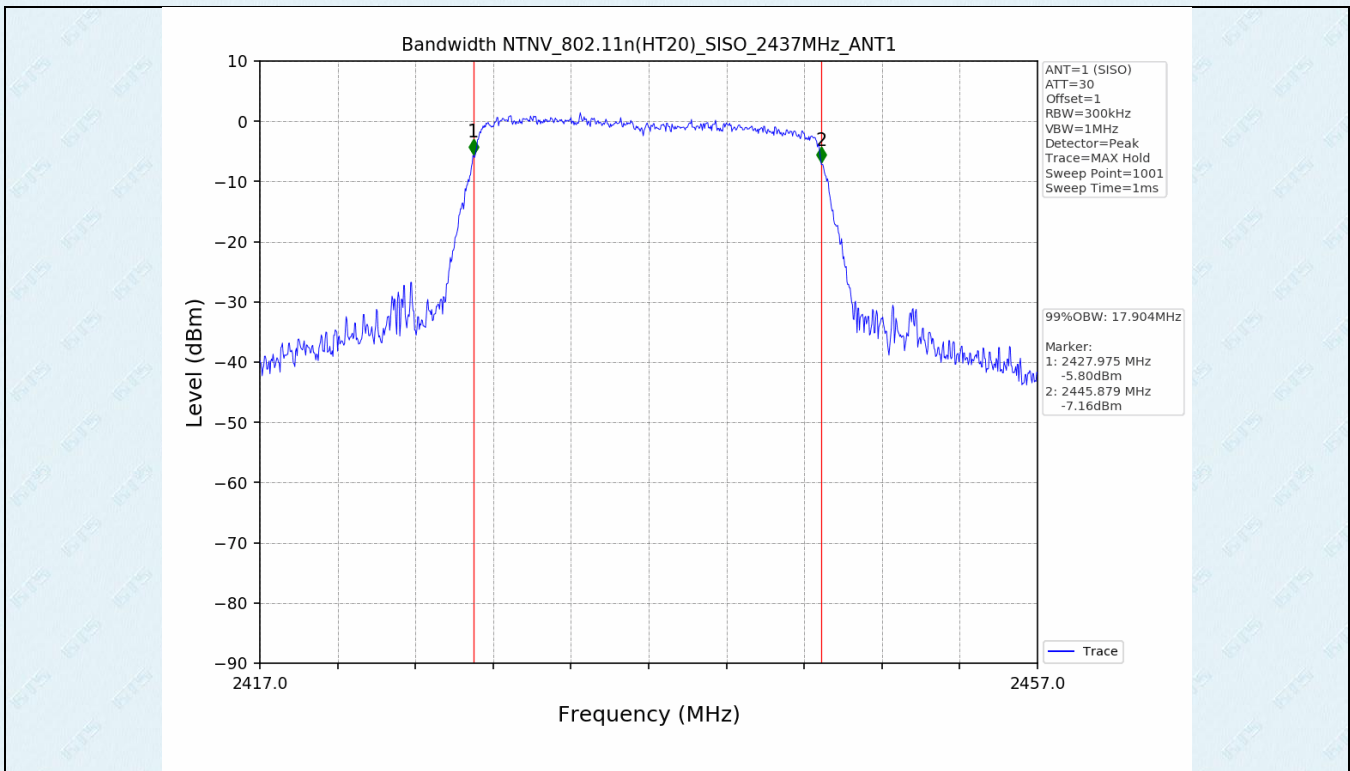
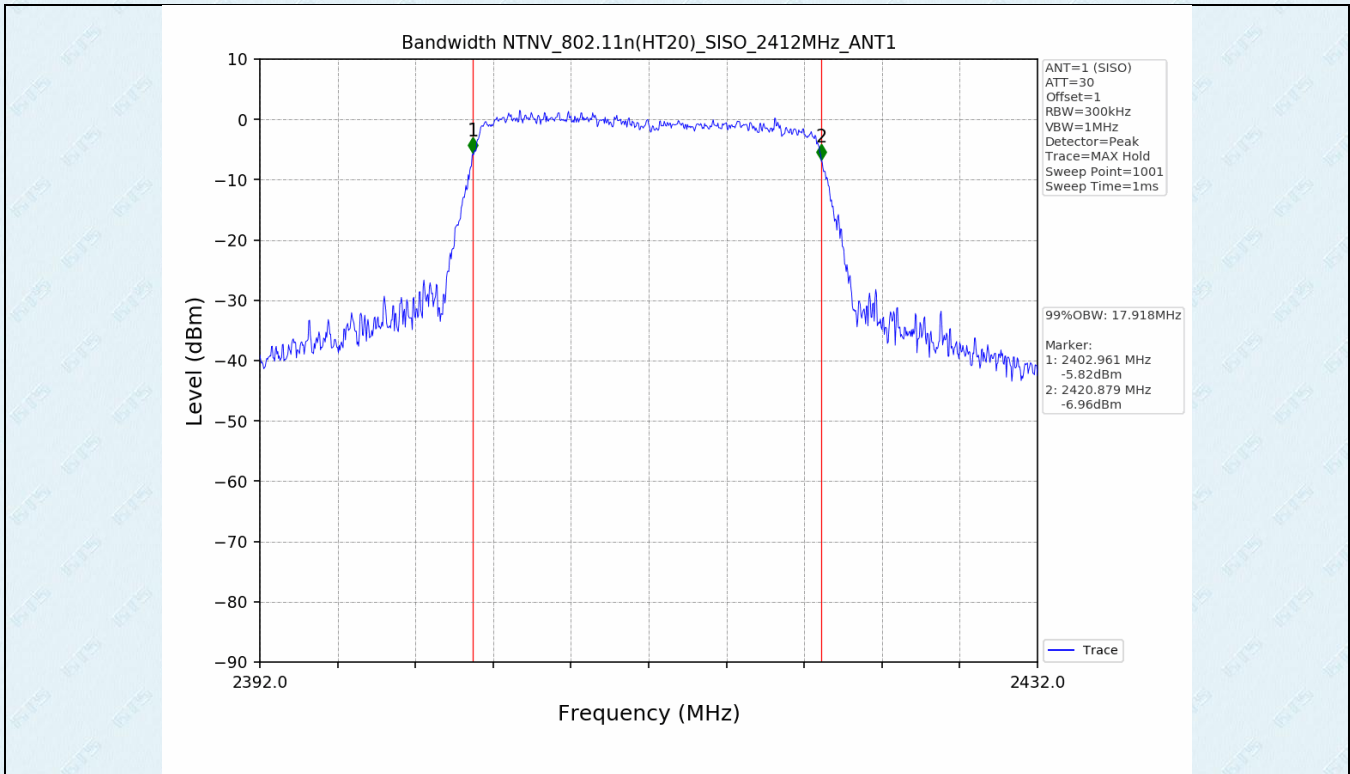


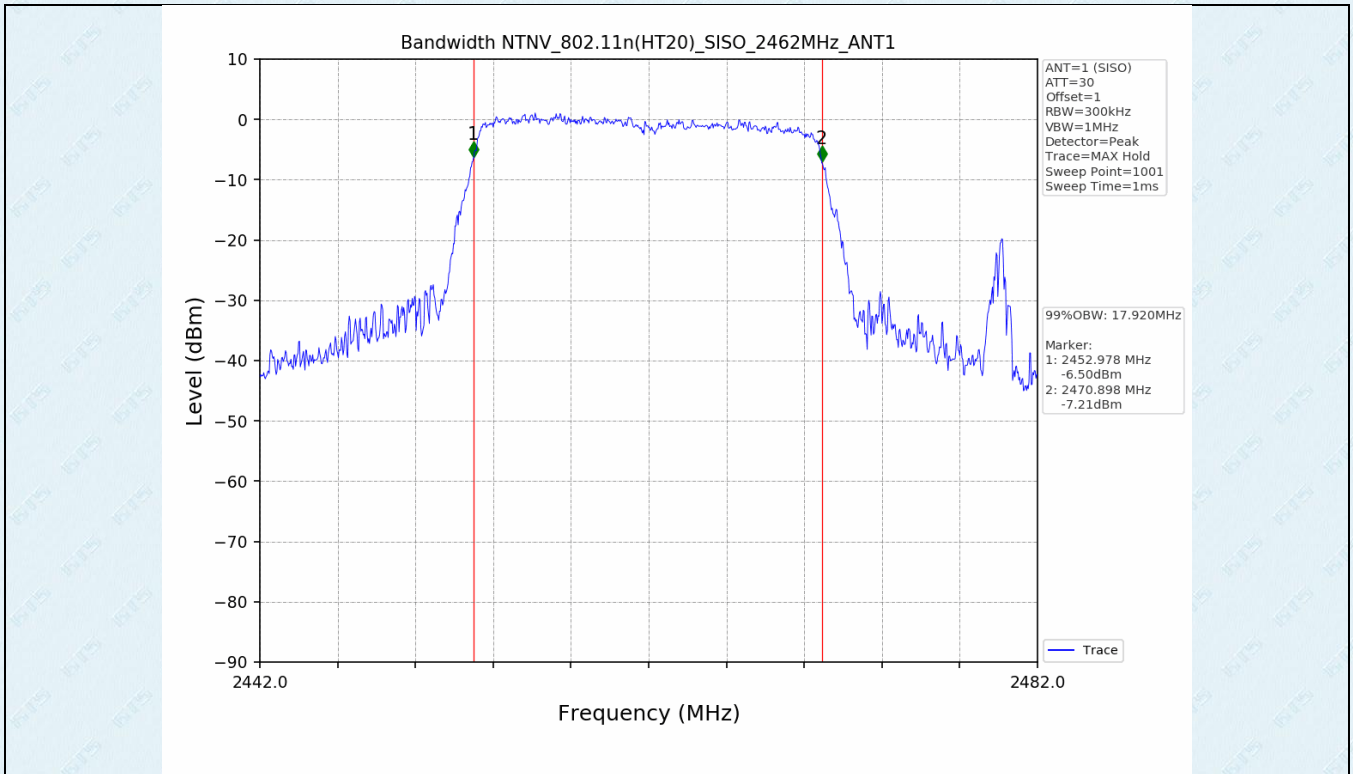
2.3 Test Graph - 99% Occupied Bandwidth











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	16.13	30	PASS
	2437	SISO	16.12	30	PASS
	2462	SISO	15.72	30	PASS
802.11g	2412	SISO	17.22	30	PASS
	2437	SISO	17.23	30	PASS
	2462	SISO	17.07	30	PASS
802.11n(HT20)	2412	SISO	17.09	30	PASS
	2437	SISO	17.19	30	PASS
	2462	SISO	16.97	30	PASS

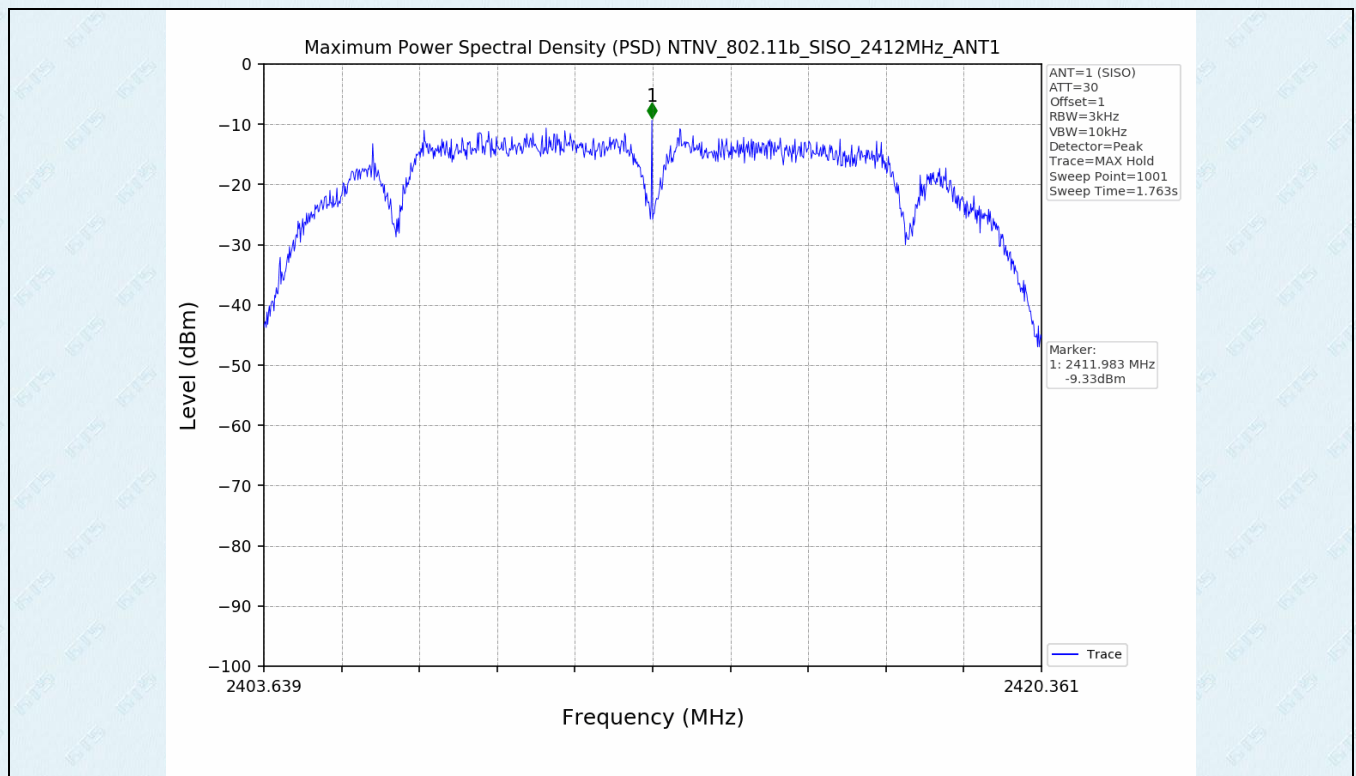
Test Mode	Frequency (MHz)	Tx Type	e.i.r.p (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	18.53	36	PASS
	2437	SISO	18.52	36	PASS
	2462	SISO	18.12	36	PASS
802.11g	2412	SISO	19.62	36	PASS
	2437	SISO	19.63	36	PASS
	2462	SISO	19.47	36	PASS
802.11n(HT20)	2412	SISO	19.49	36	PASS
	2437	SISO	19.59	36	PASS
	2462	SISO	19.37	36	PASS

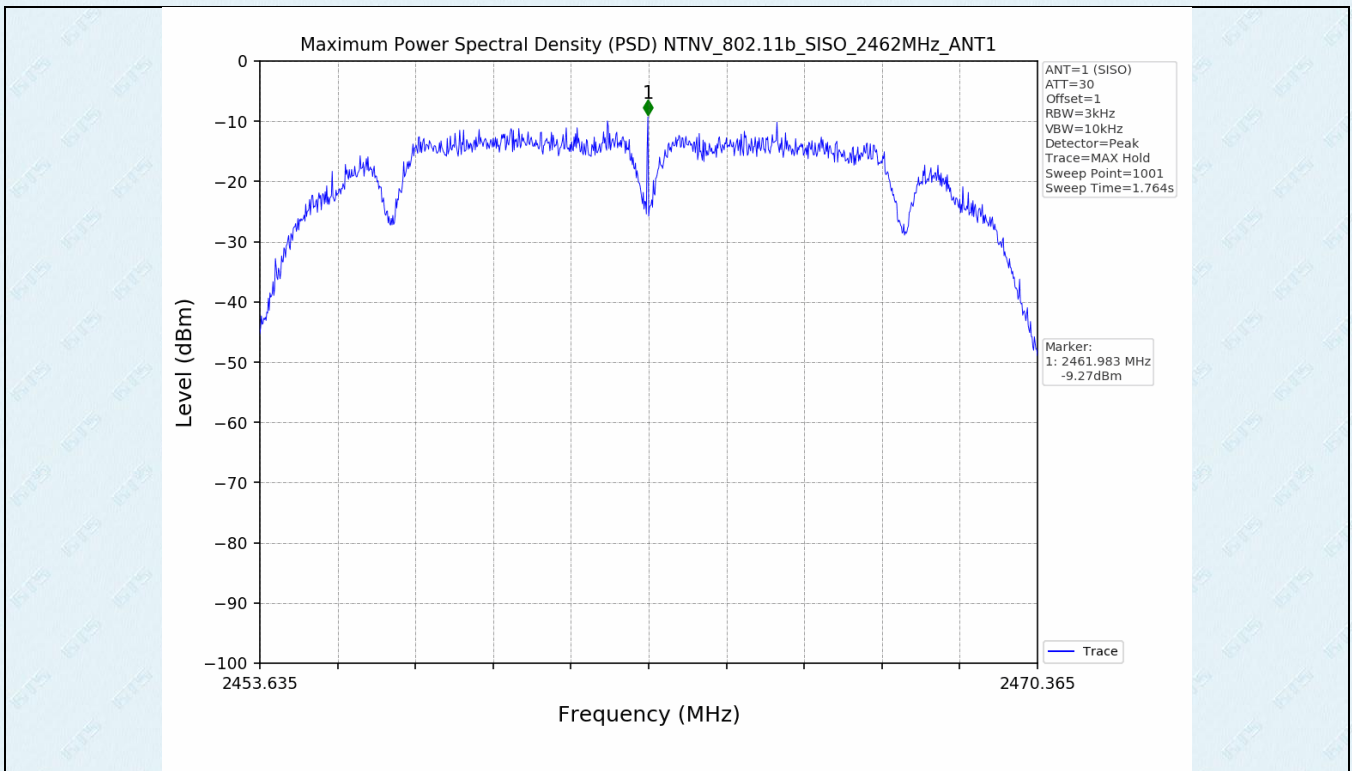
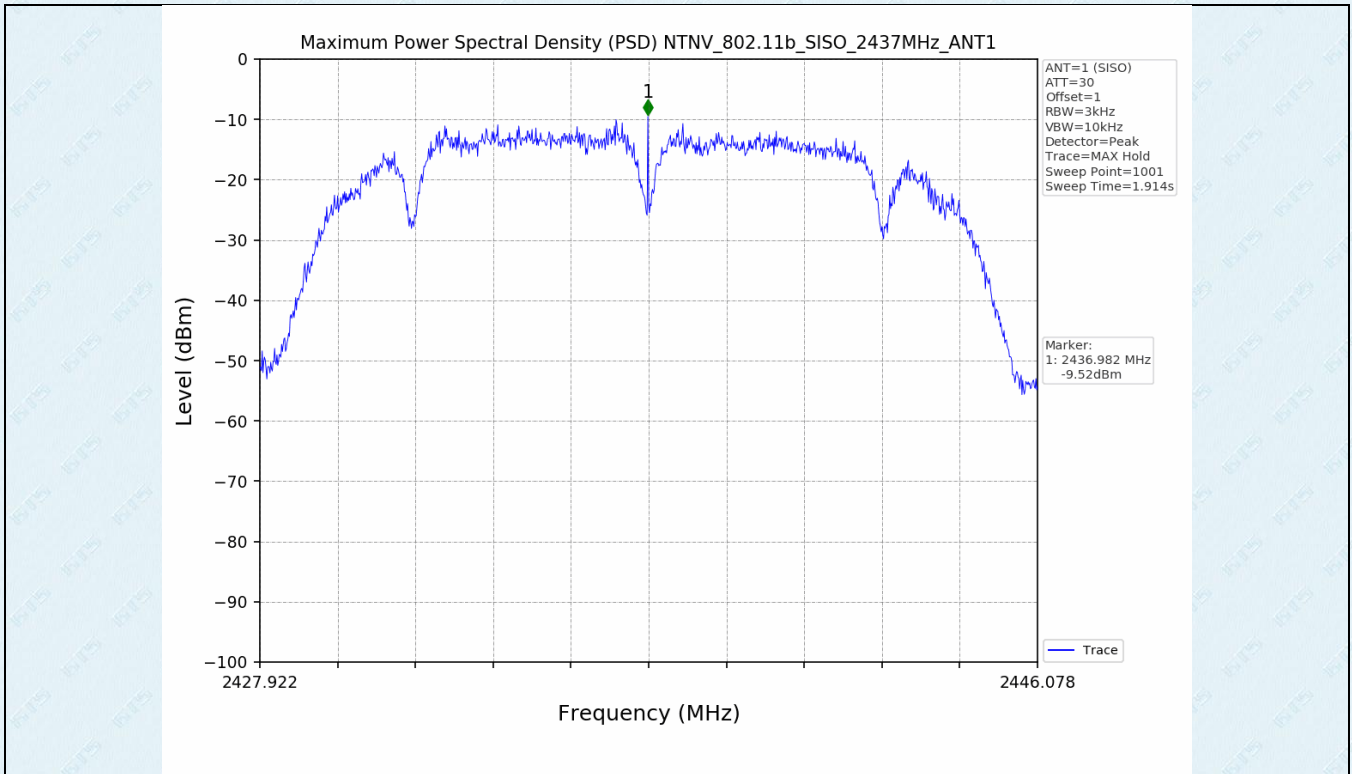
4. Maximum Power Spectral Density (PSD)

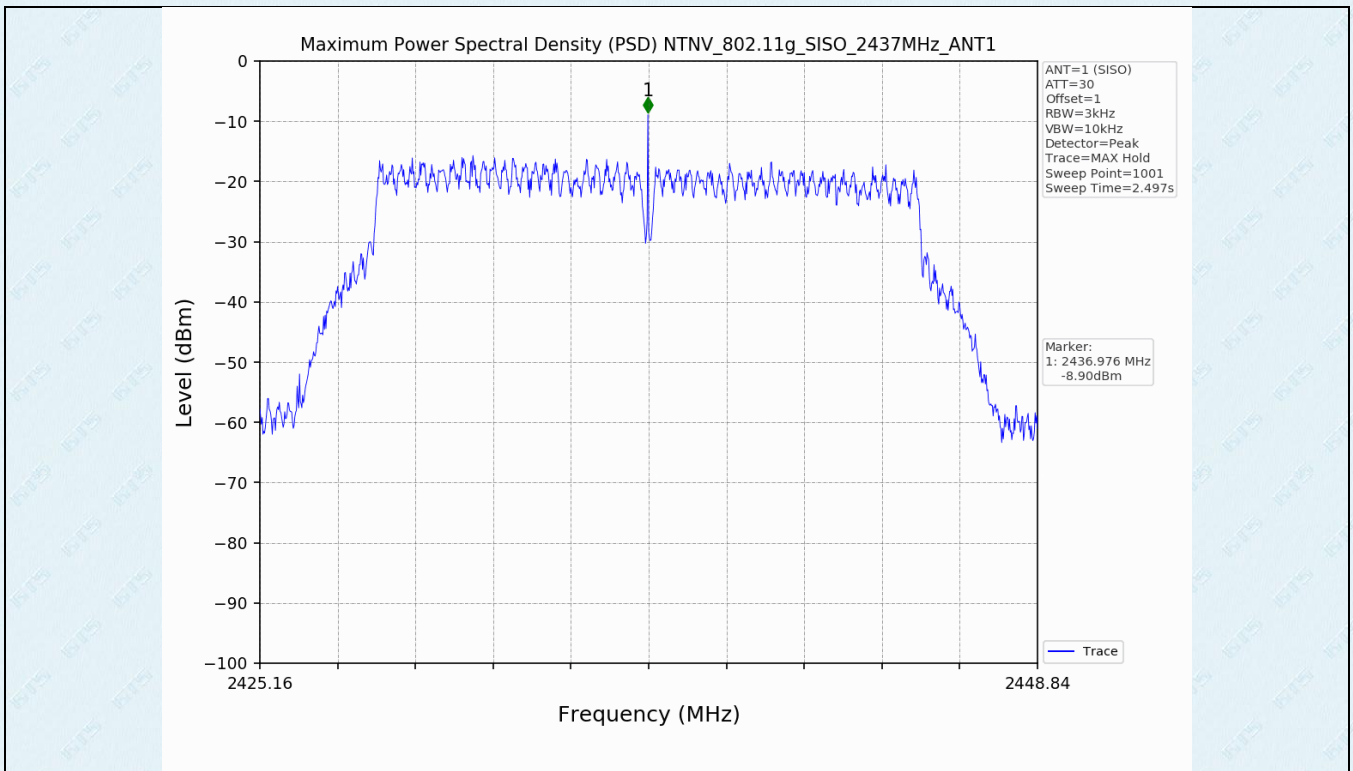
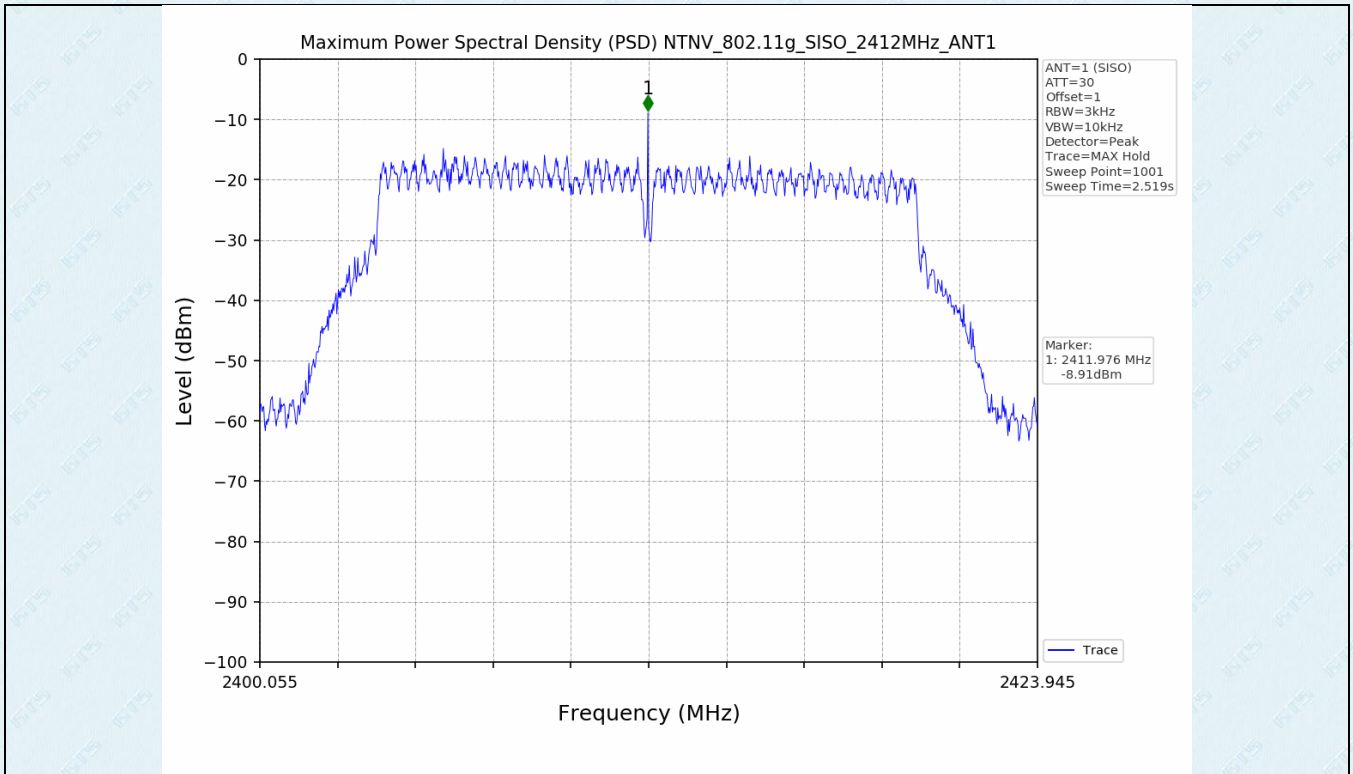
4.1 Test Result

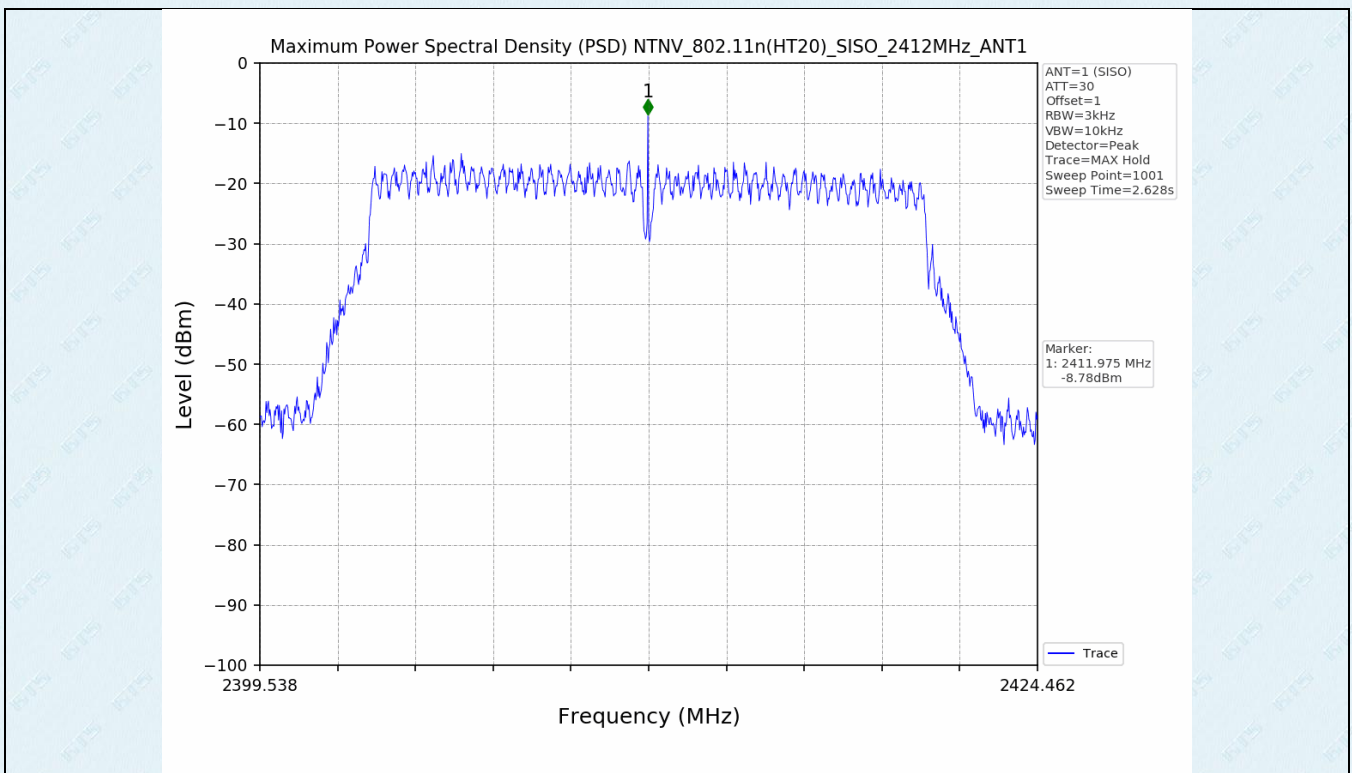
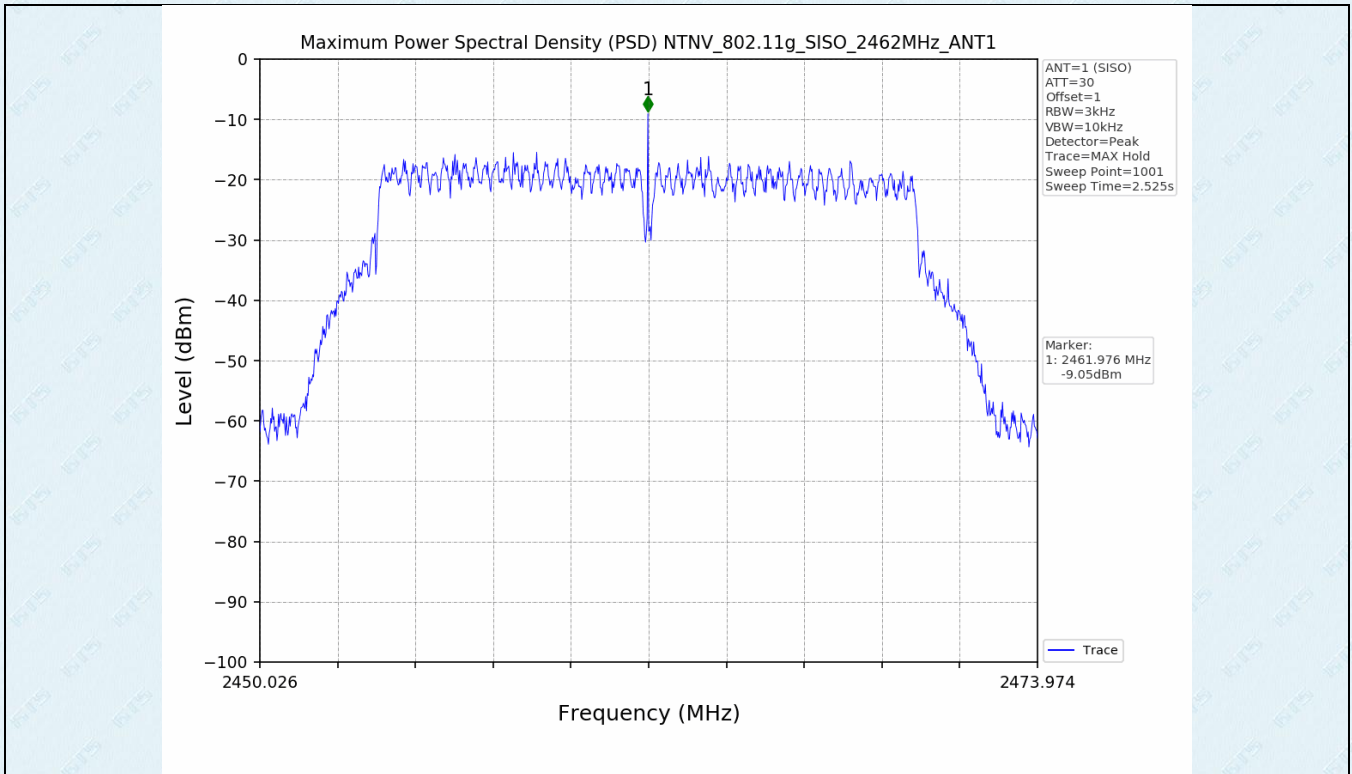
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-9.33	≤8	PASS
	2437	SISO	-9.52	≤8	PASS
	2462	SISO	-9.27	≤8	PASS
802.11g	2412	SISO	-8.91	≤8	PASS
	2437	SISO	-8.90	≤8	PASS
	2462	SISO	-9.05	≤8	PASS
802.11n(HT20)	2412	SISO	-8.78	≤8	PASS
	2437	SISO	-8.90	≤8	PASS
	2462	SISO	-9.37	≤8	PASS

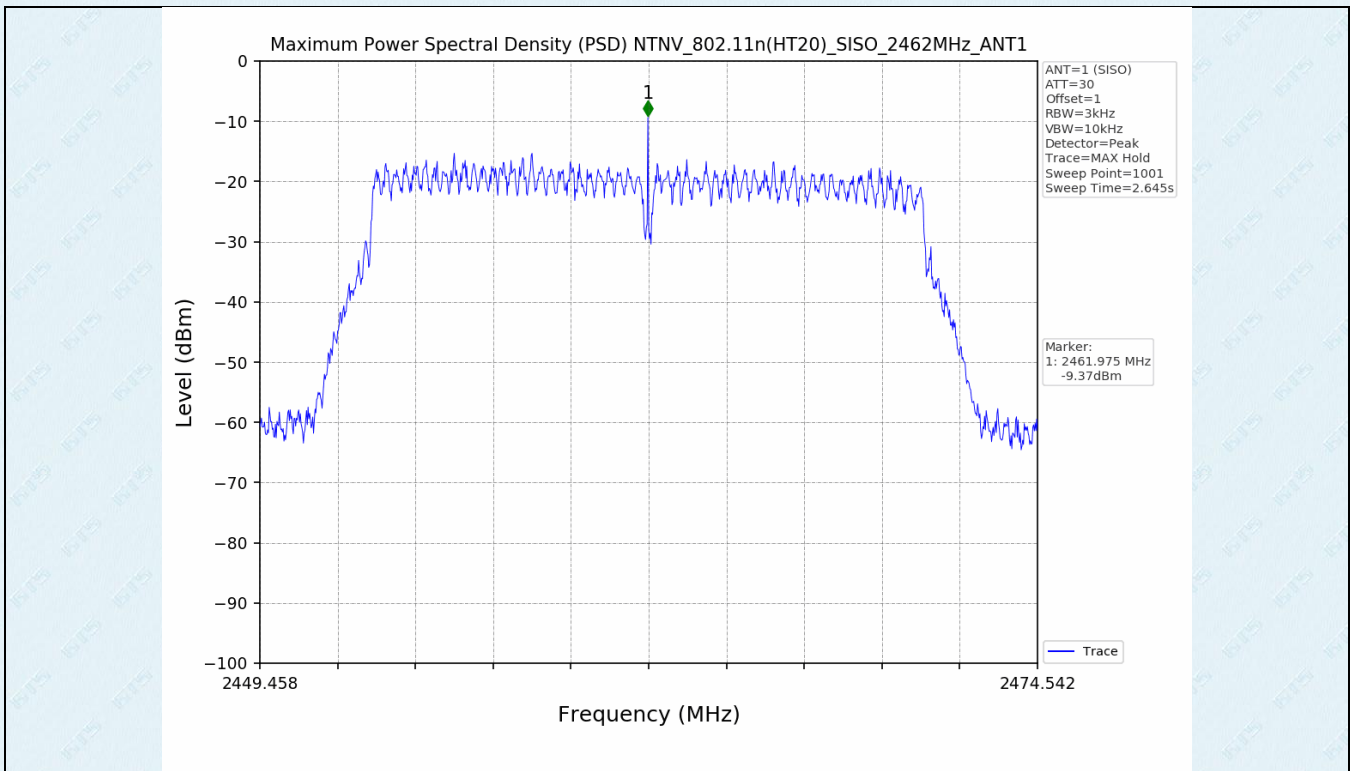
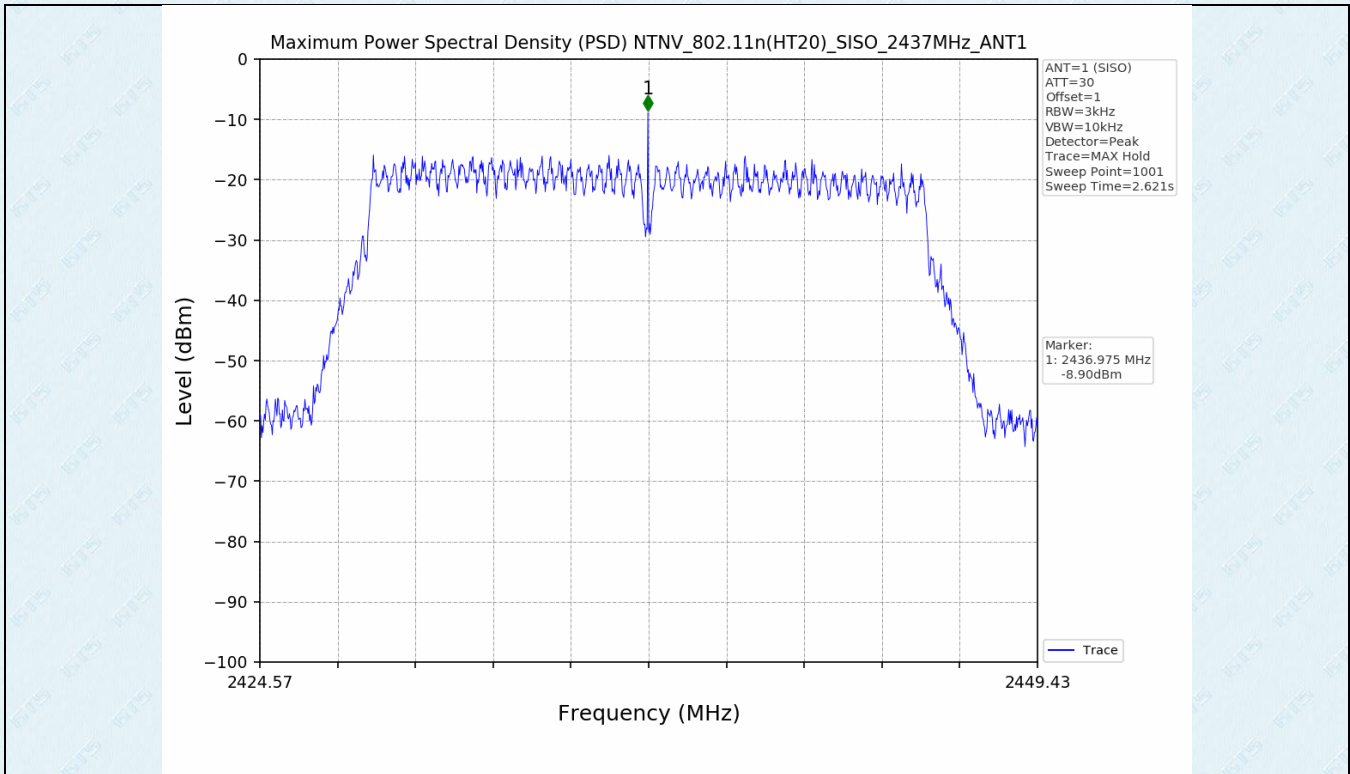
4.2 Test Graph









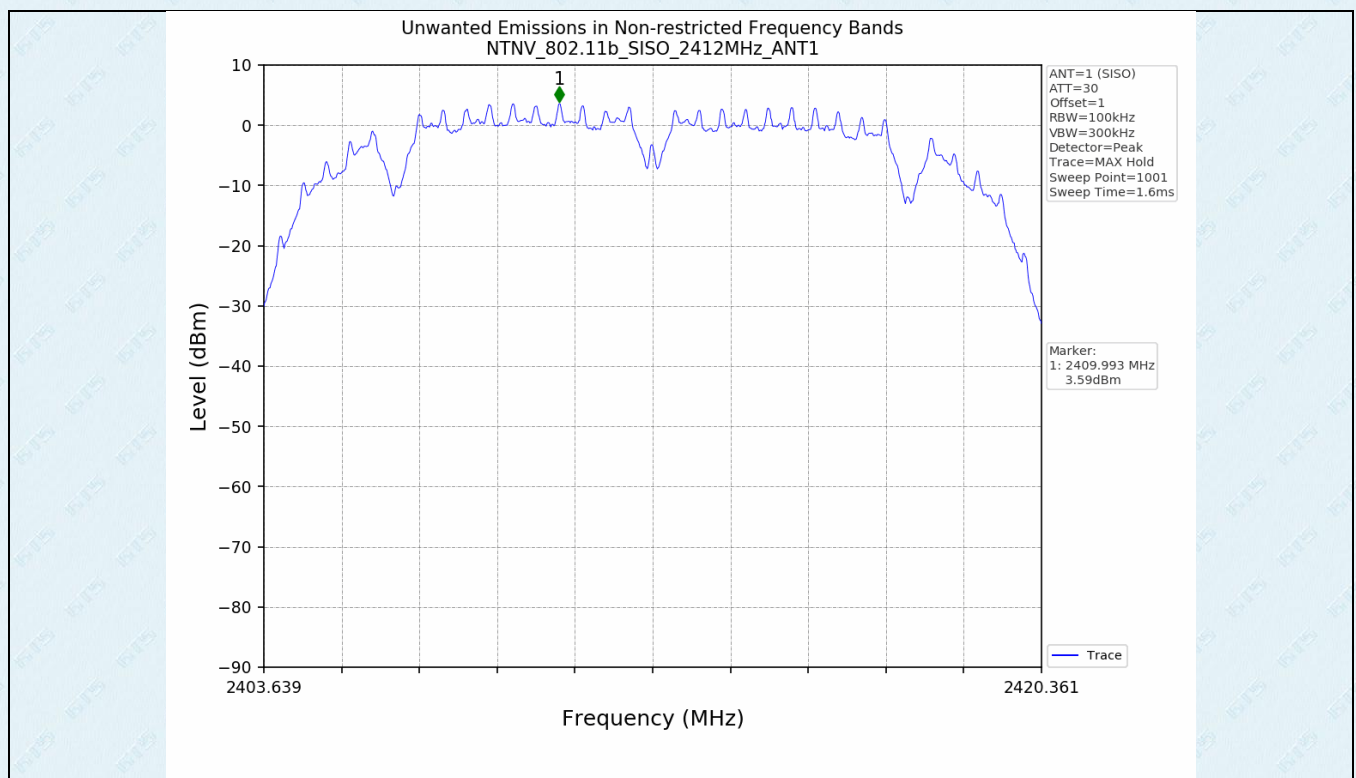


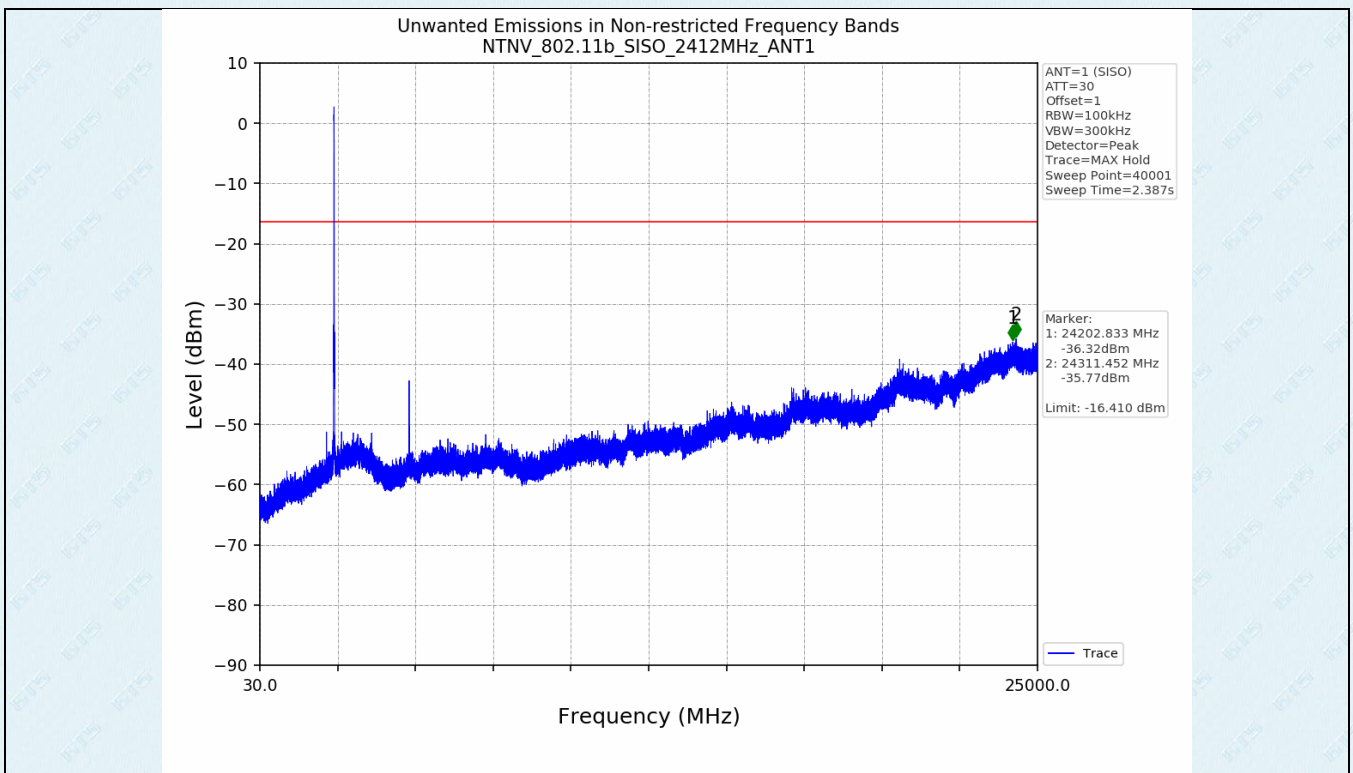
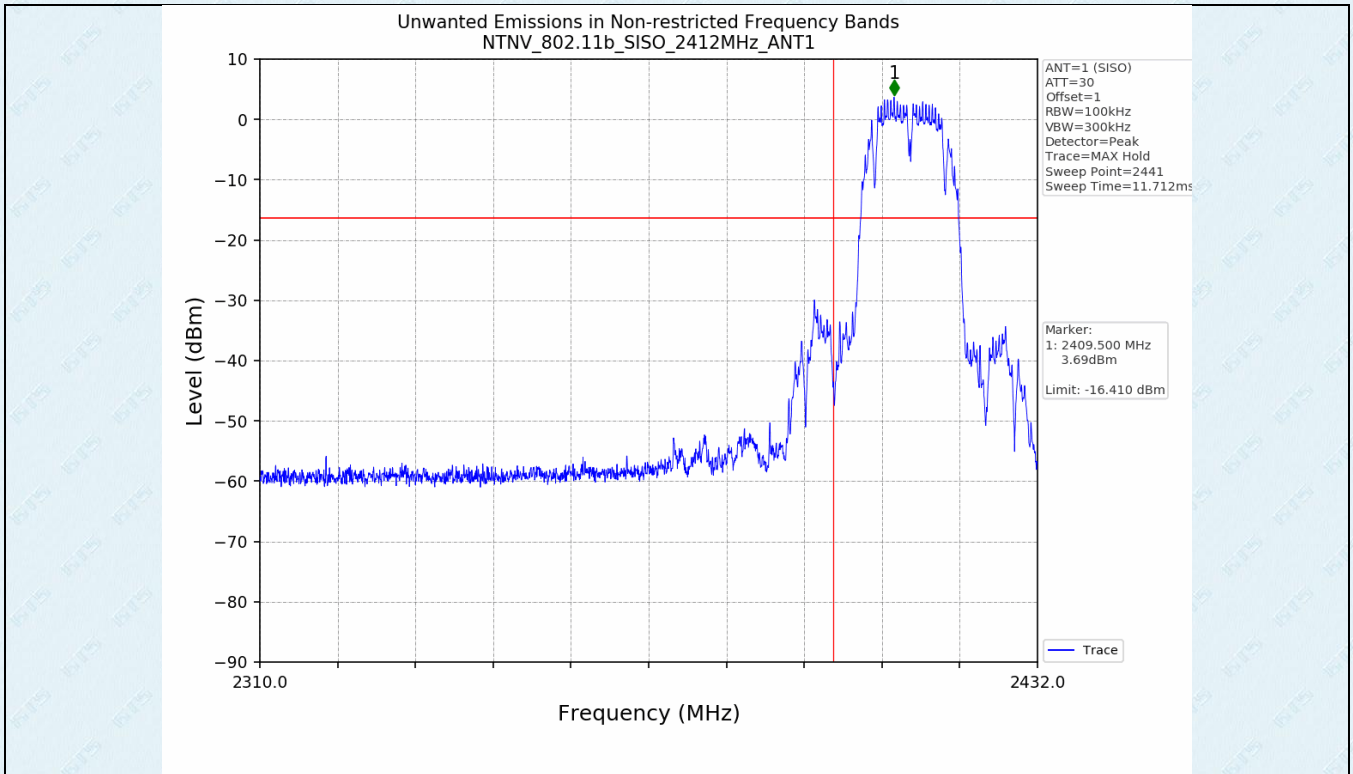
5. Unwanted Emissions in Non-restricted Frequency Bands

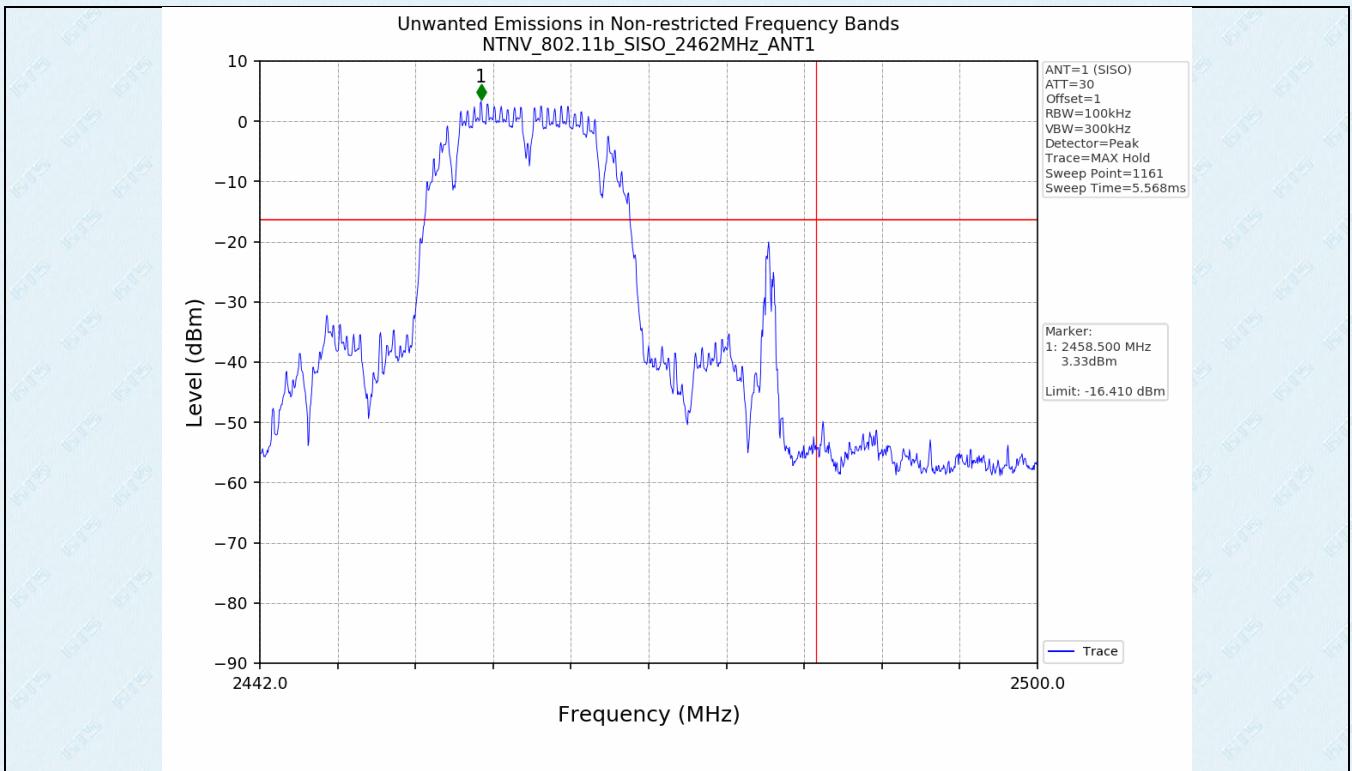
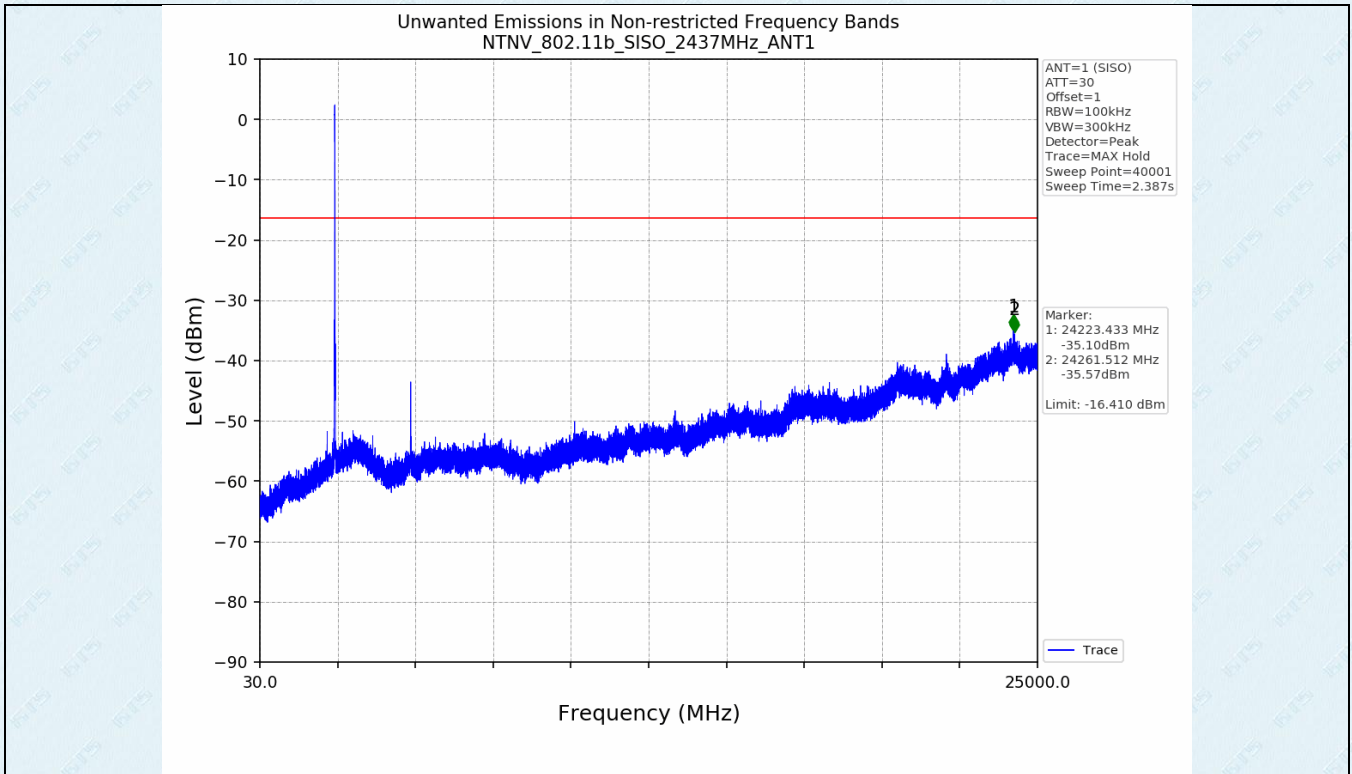
5.1 Test Result

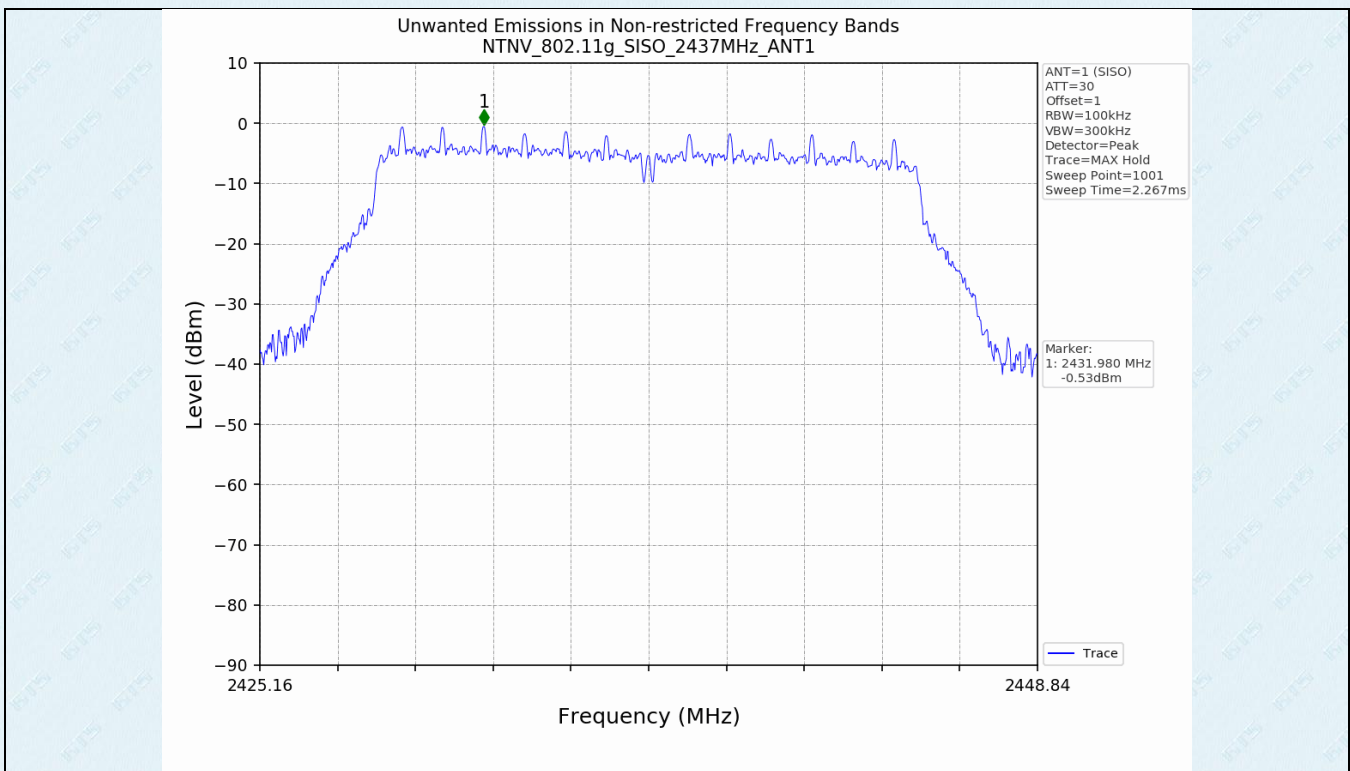
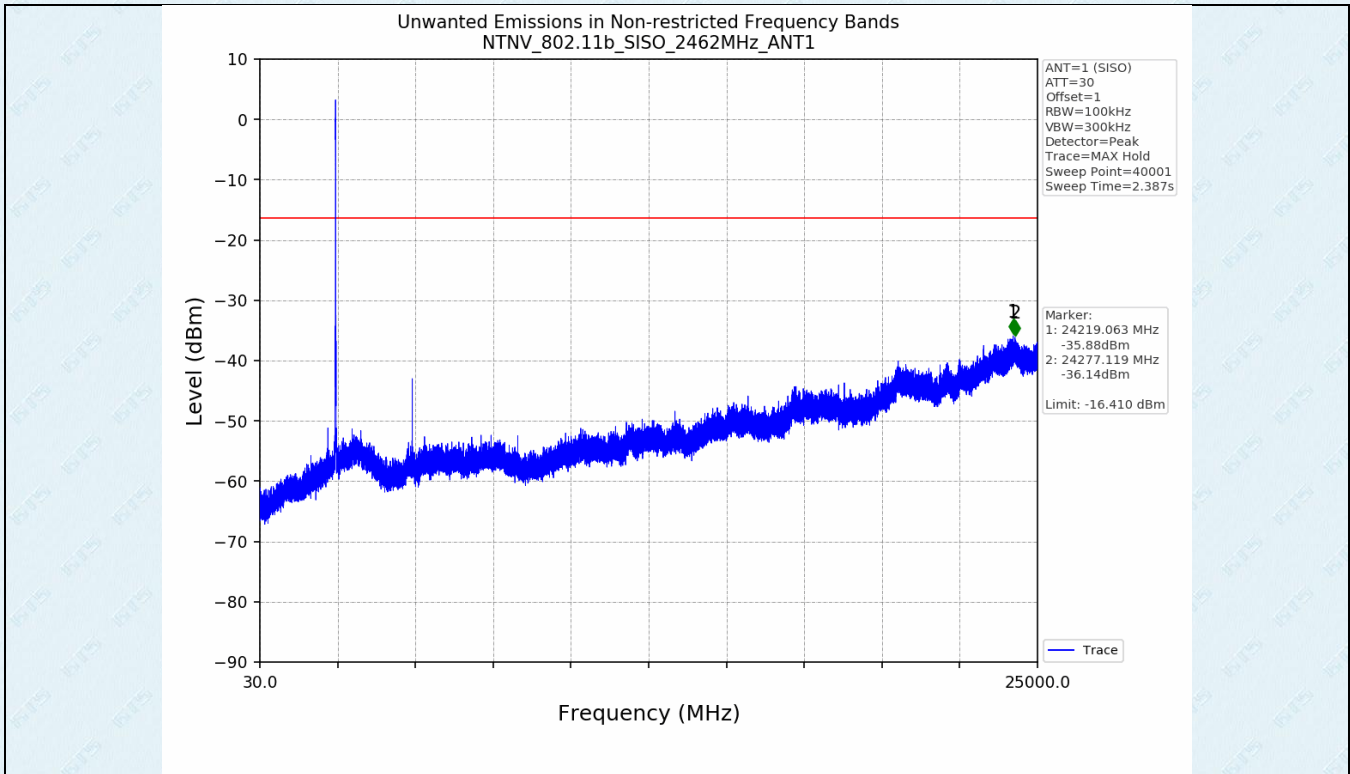
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-16.41	PASS
	2437	SISO	1	Refer to test graph	-16.41	PASS
	2462	SISO	1	Refer to test graph	-16.41	PASS
802.11g	2412	SISO	1	Refer to test graph	-20.53	PASS
	2437	SISO	1	Refer to test graph	-20.53	PASS
	2462	SISO	1	Refer to test graph	-20.53	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-20.49	PASS
	2437	SISO	1	Refer to test graph	-20.49	PASS
	2462	SISO	1	Refer to test graph	-20.49	PASS

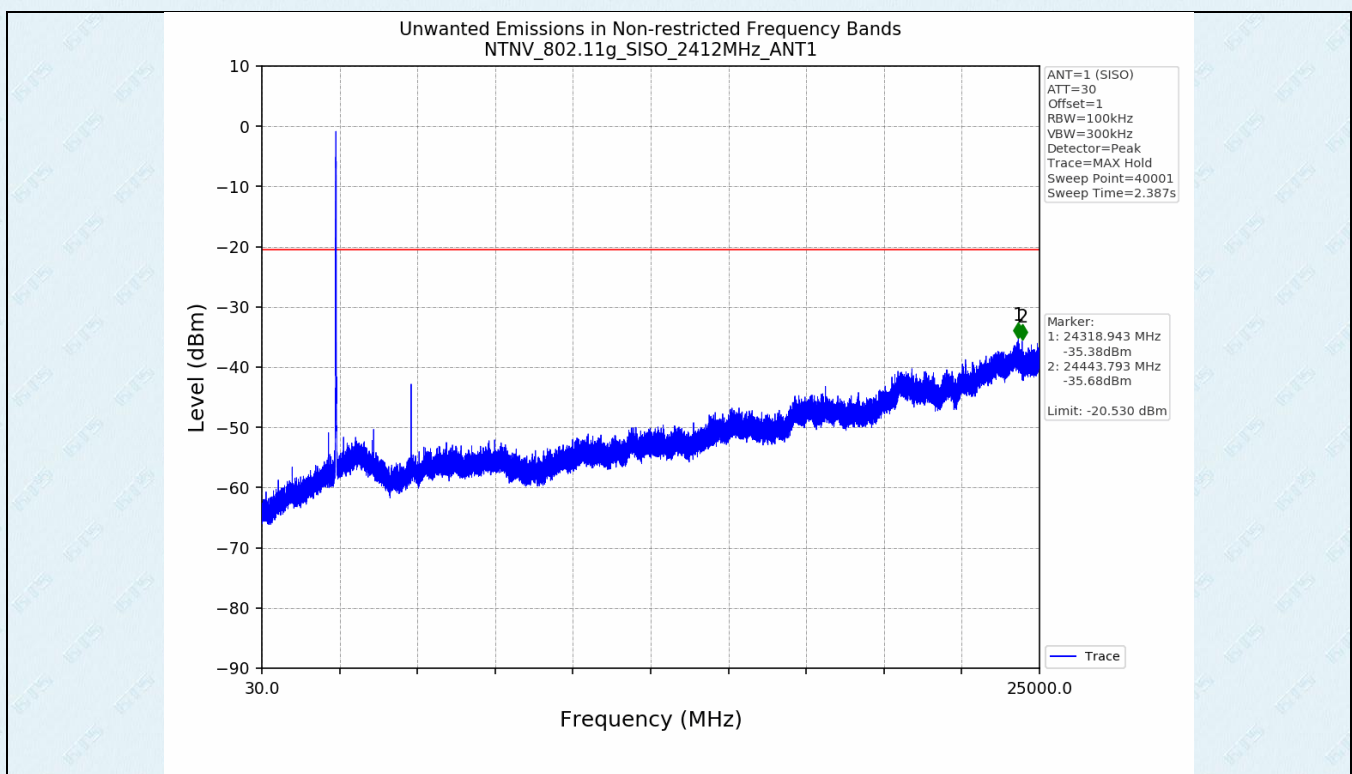
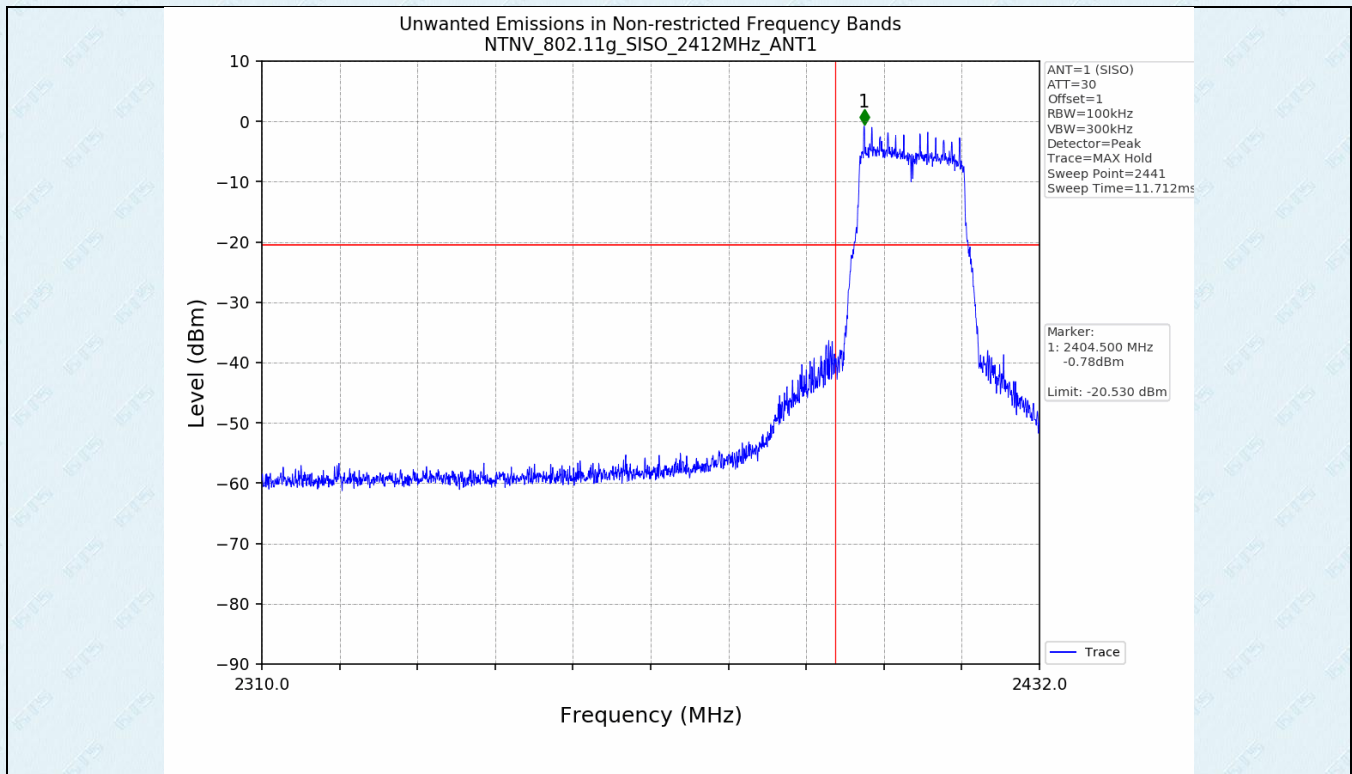
5.2 Test Graph

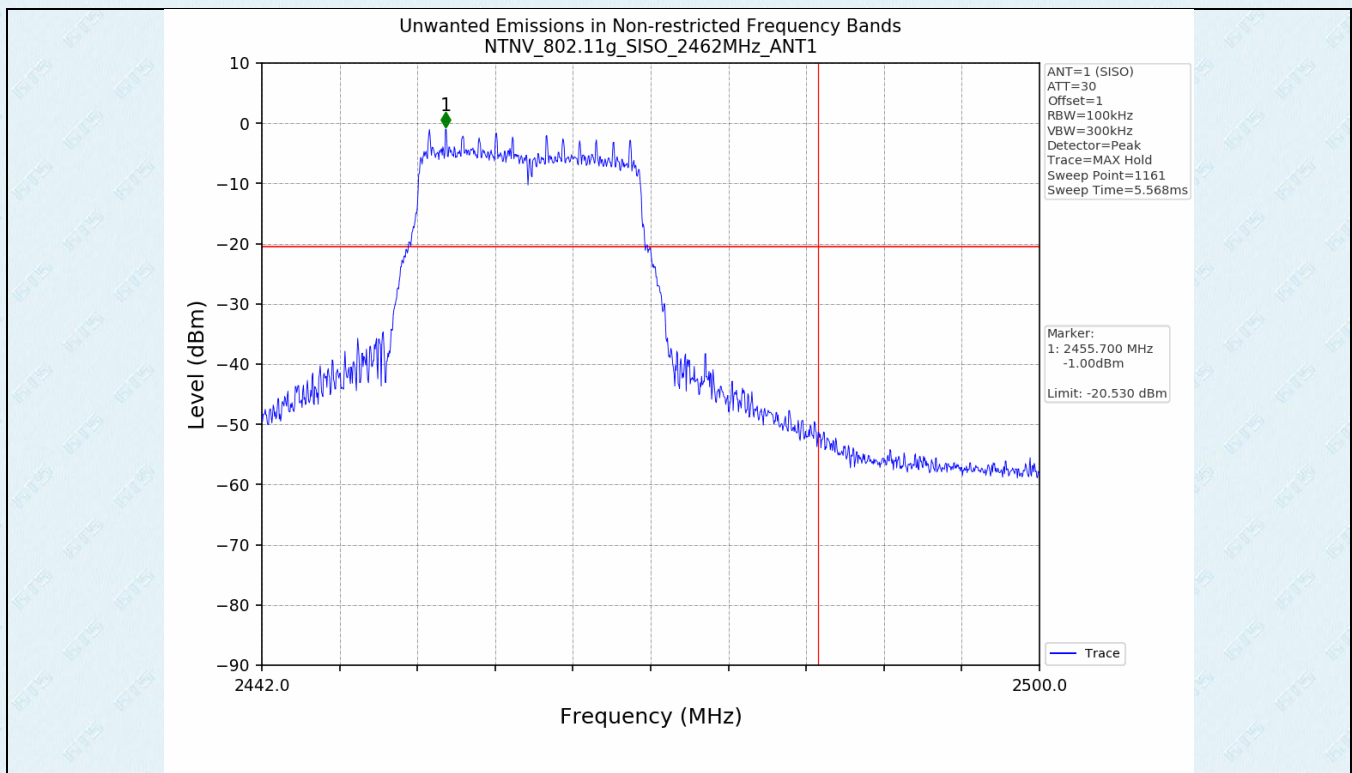
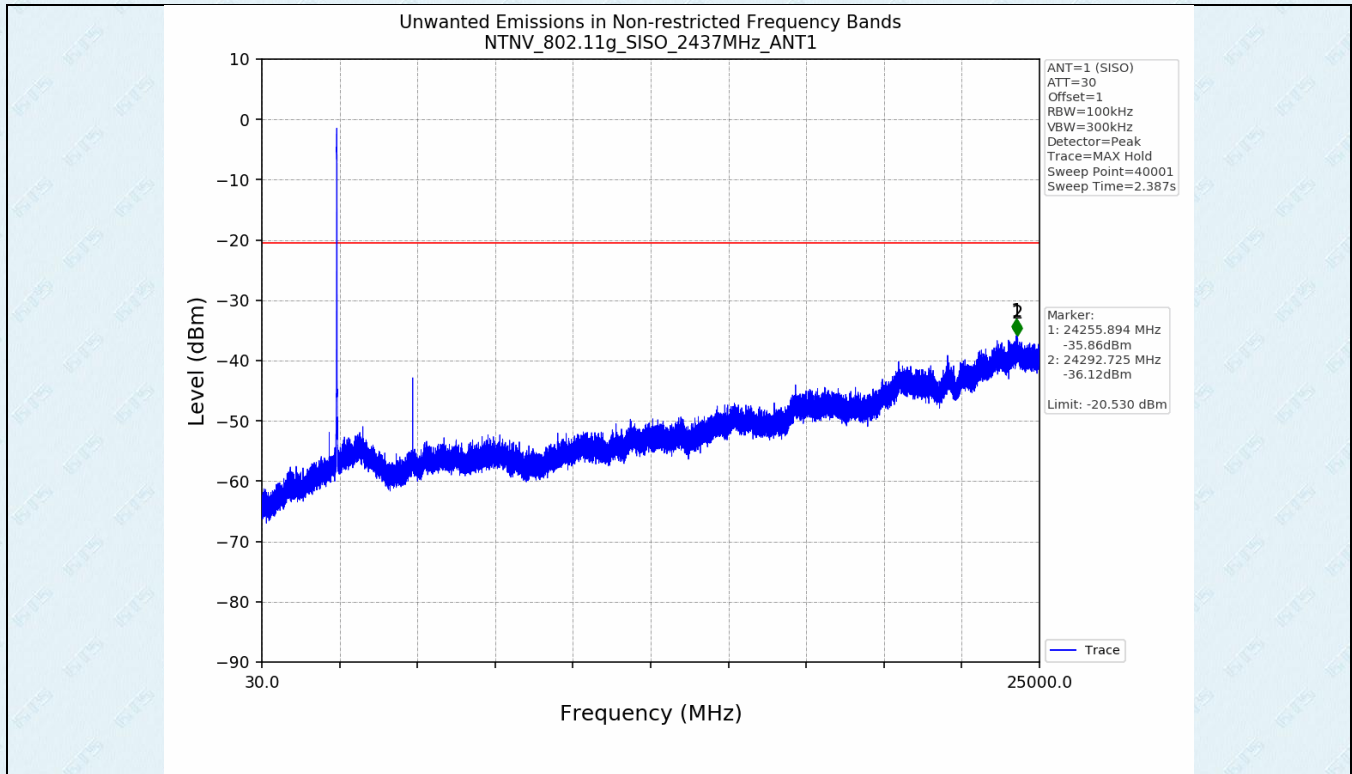


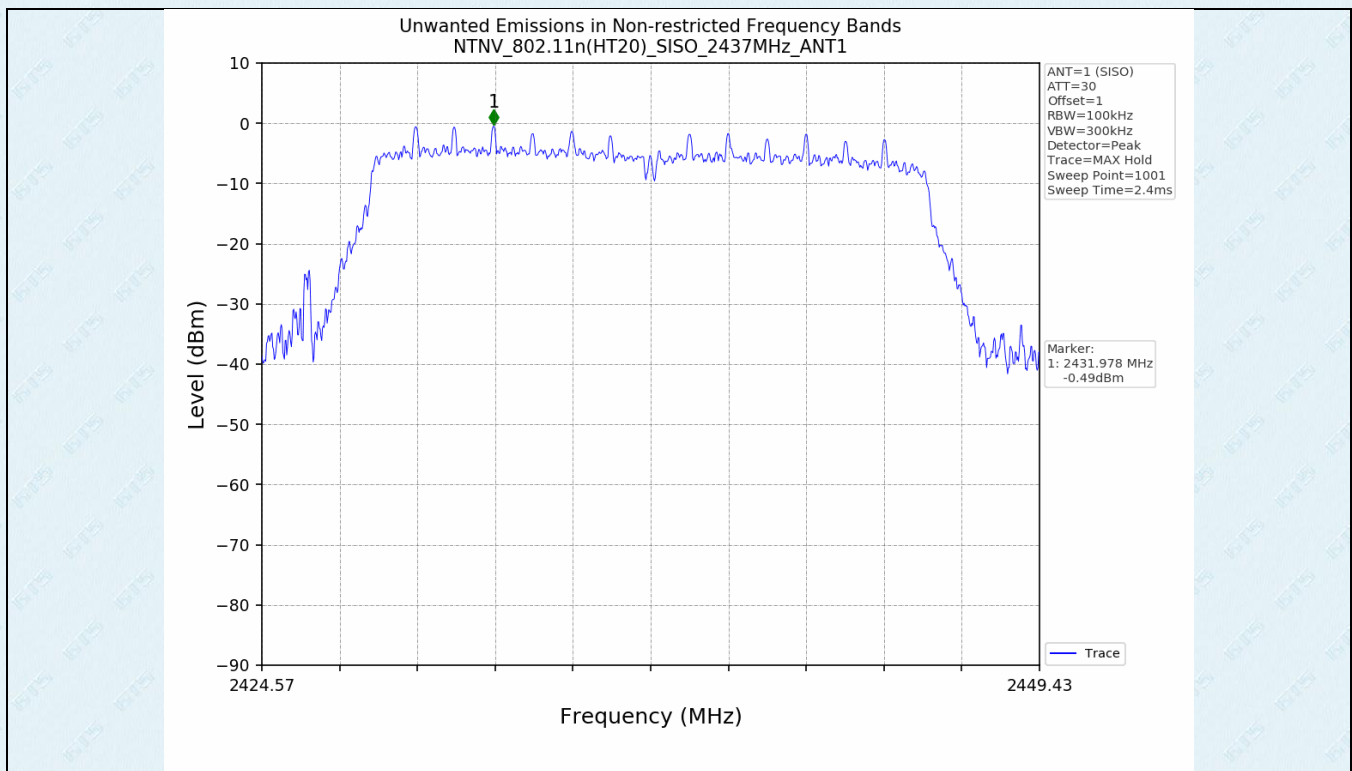
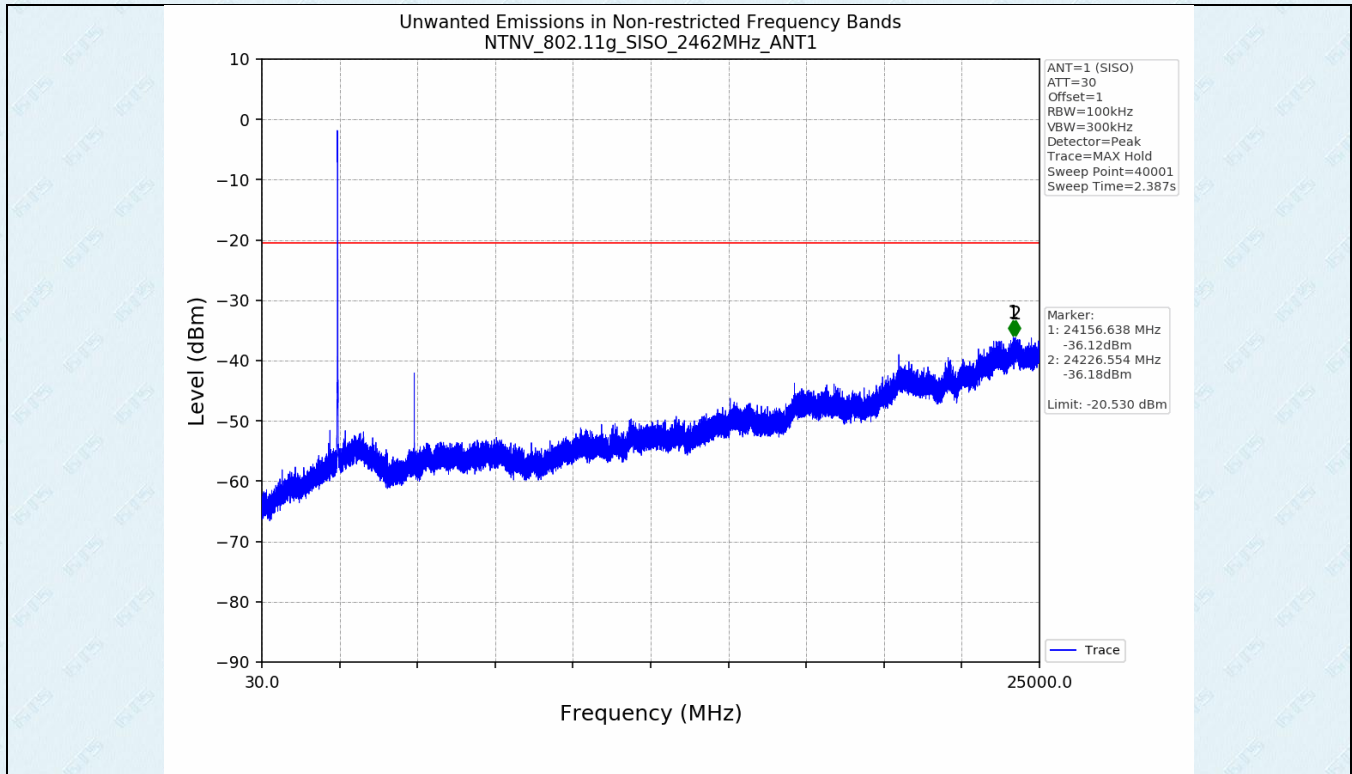


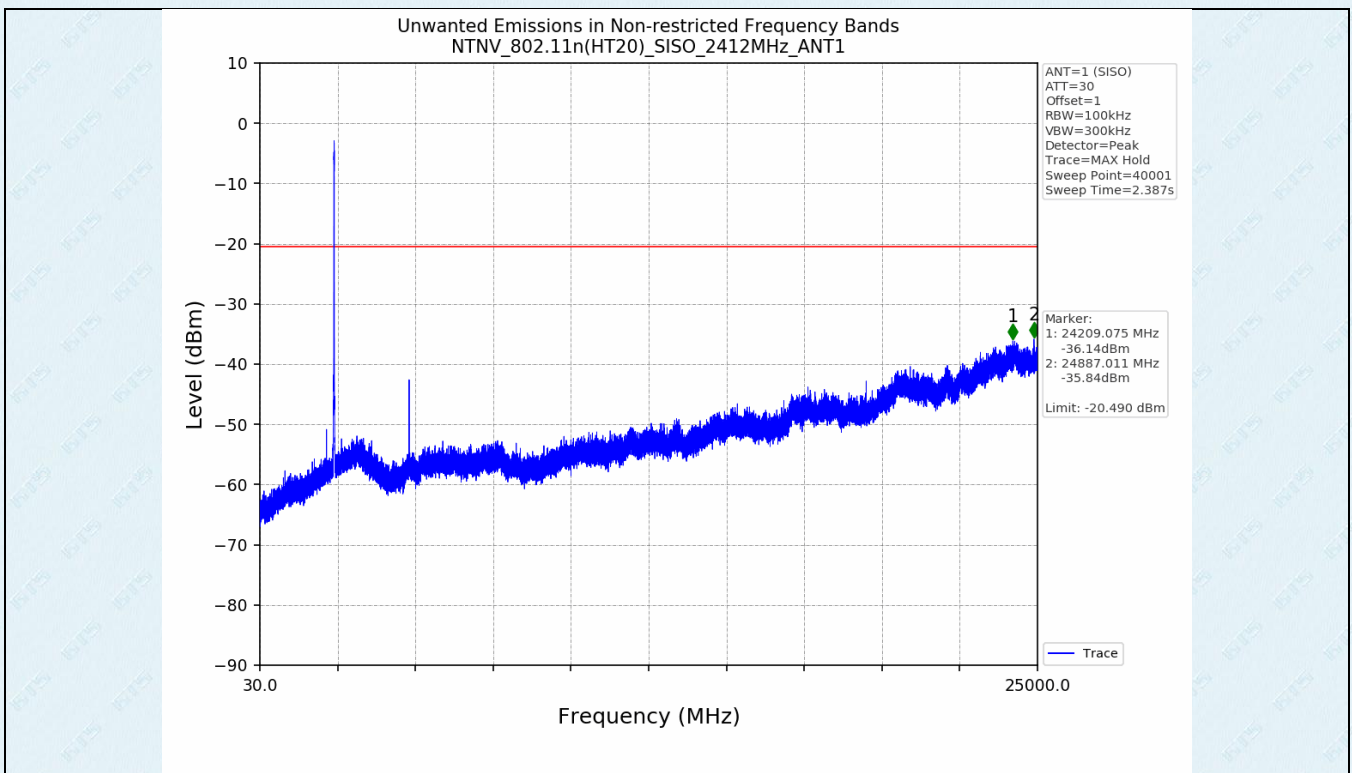
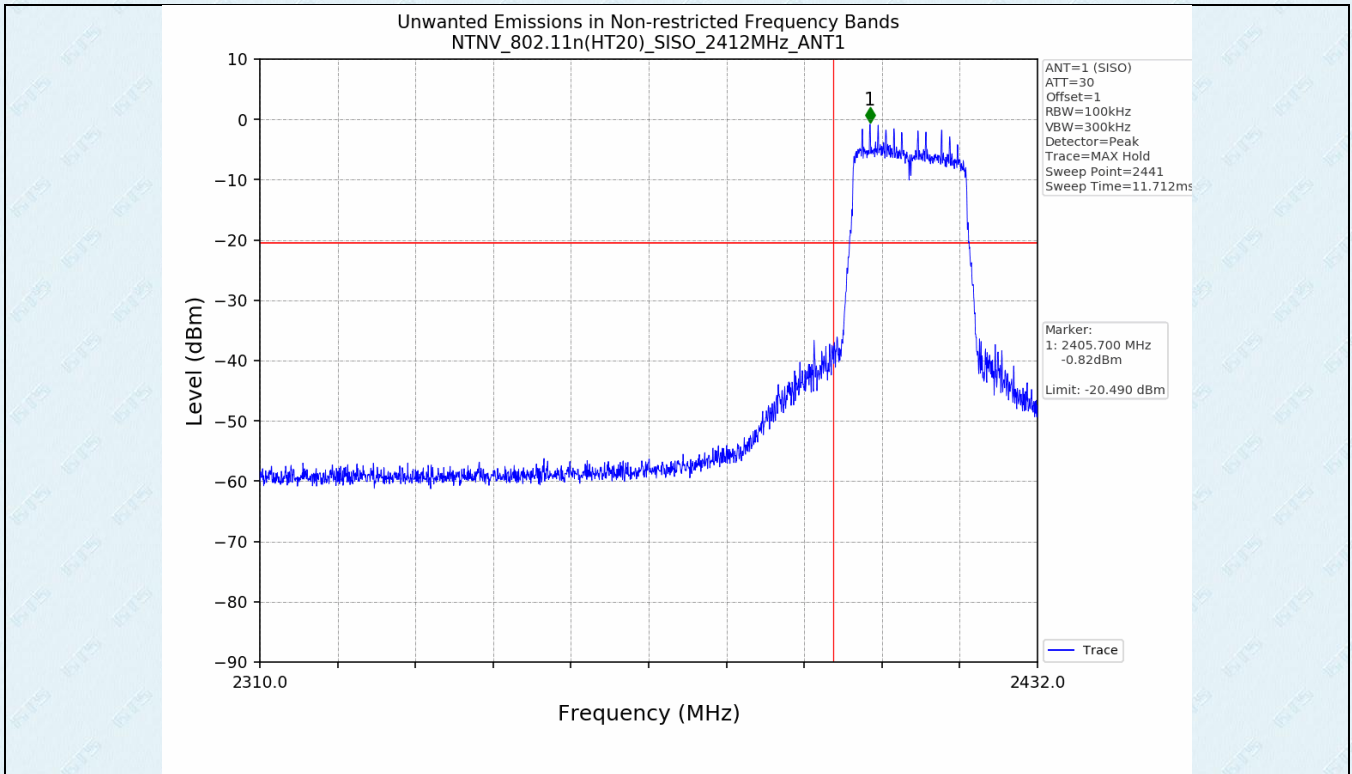


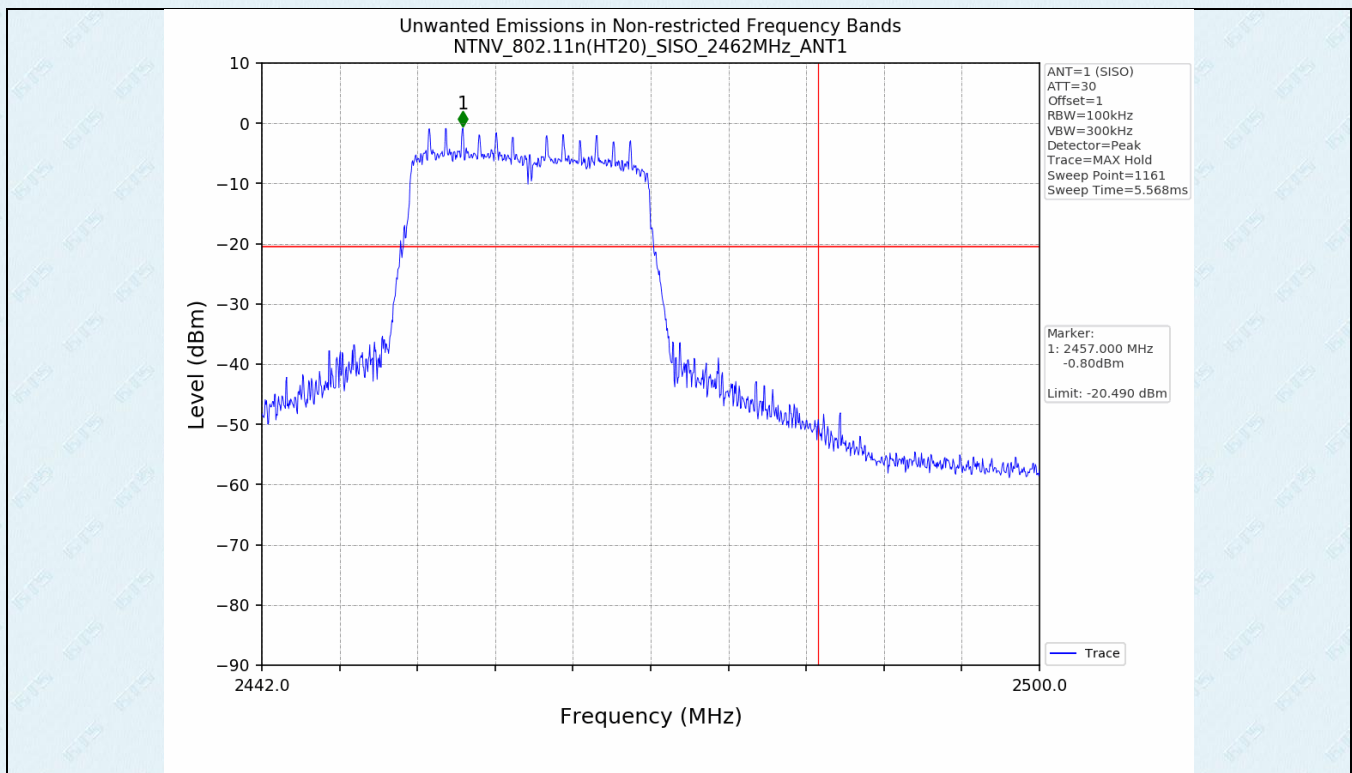
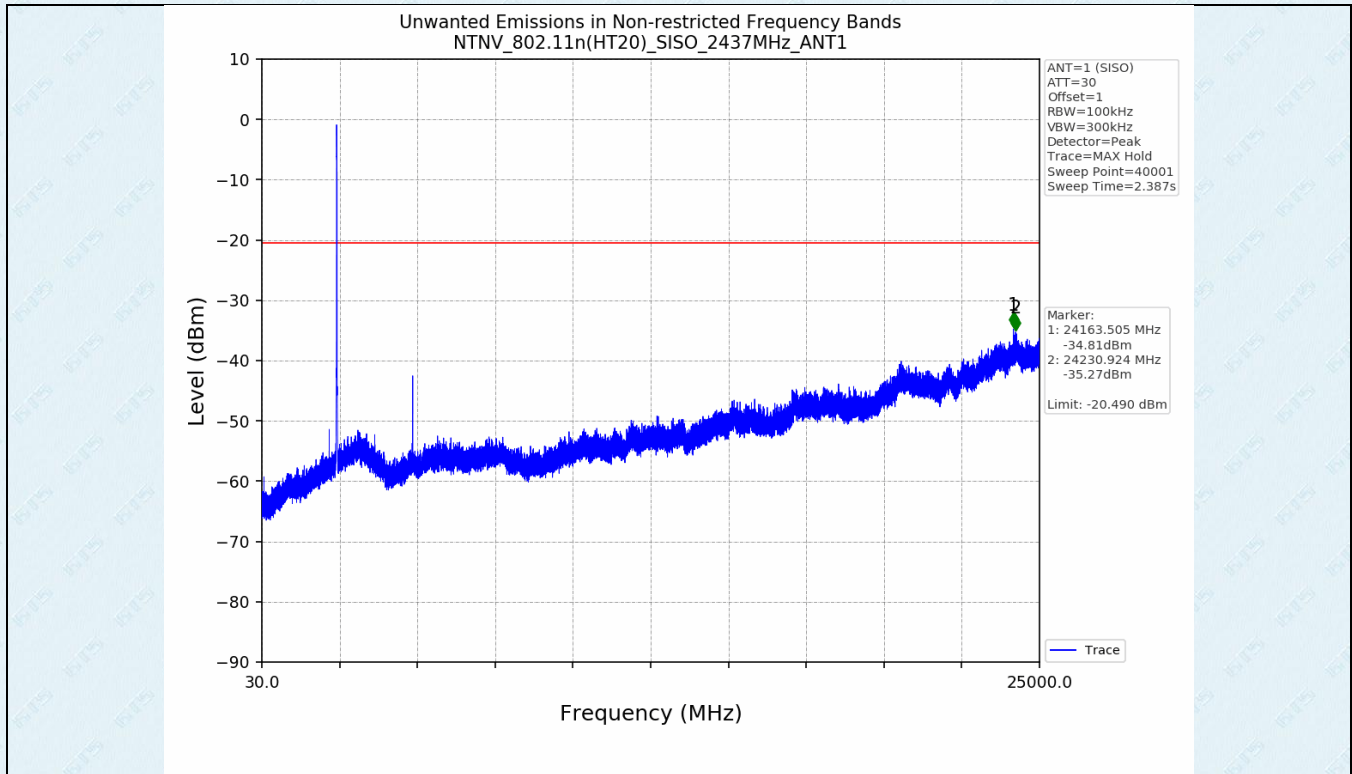


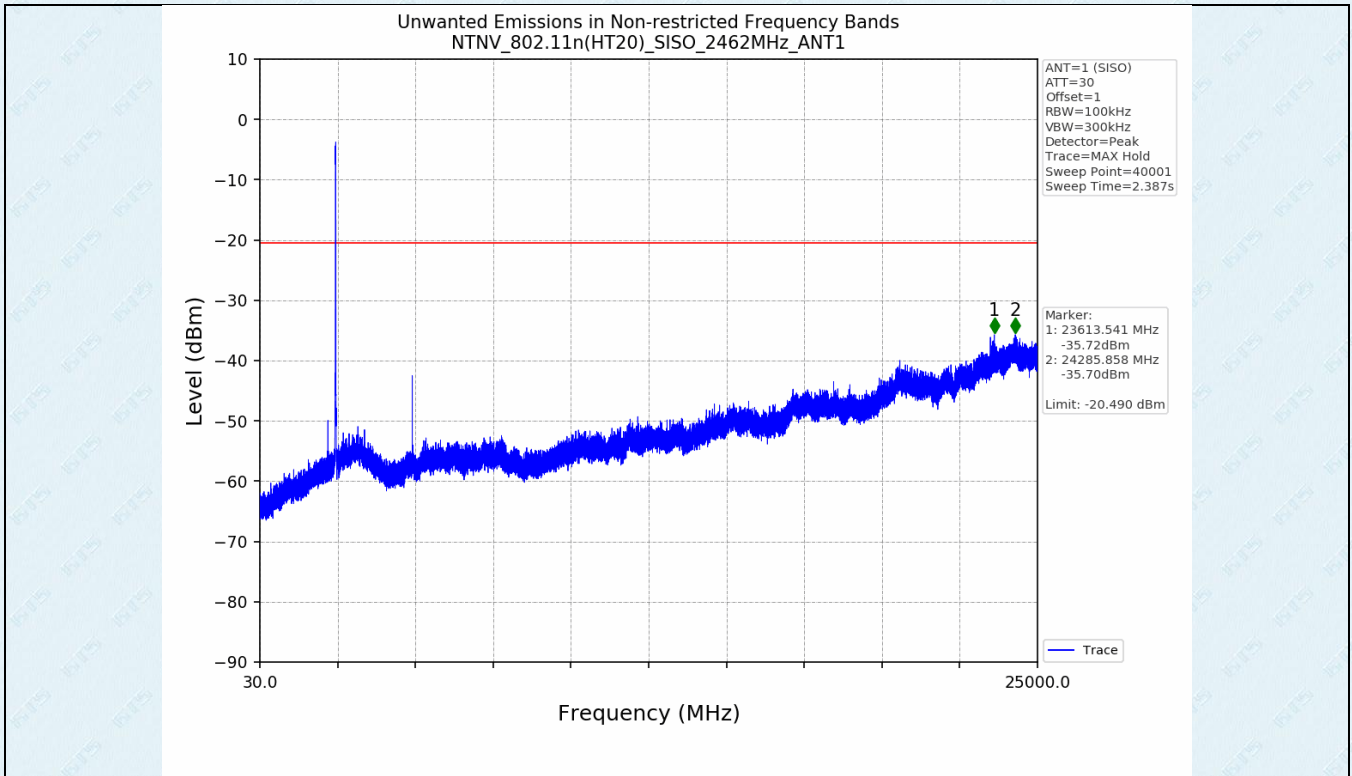












6. Frequency Error

6.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT	Measured Frequency (MHz)		Verdict
				Test Result	Limit	
Carrier	2412	SISO	1	2411.98	2400-2483.5	PASS
	2437	SISO	1	2436.98	2400-2483.5	PASS
	2462	SISO	1	2461.98	2400-2483.5	PASS

-----End-----