

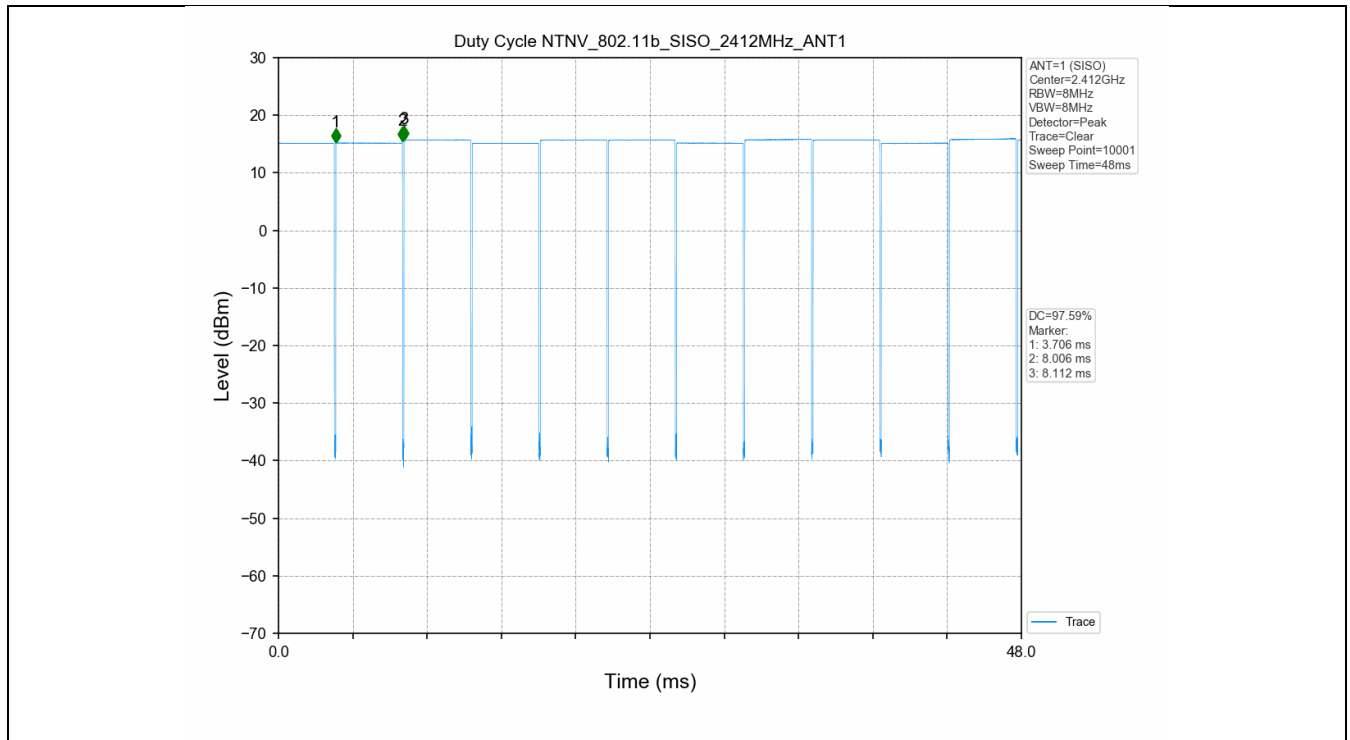
Appendix A for SHEM200900783301

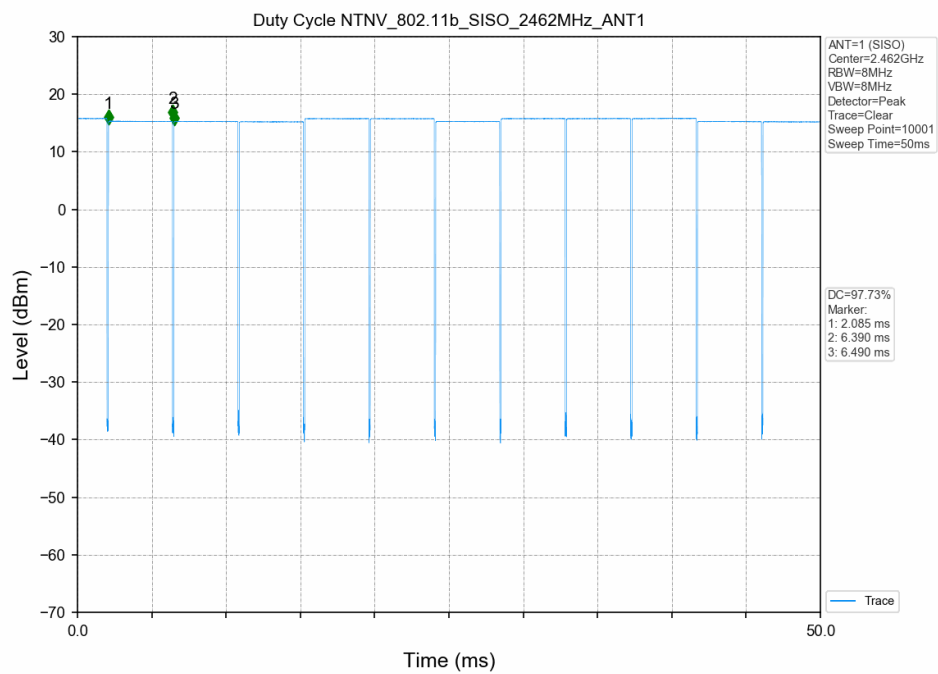
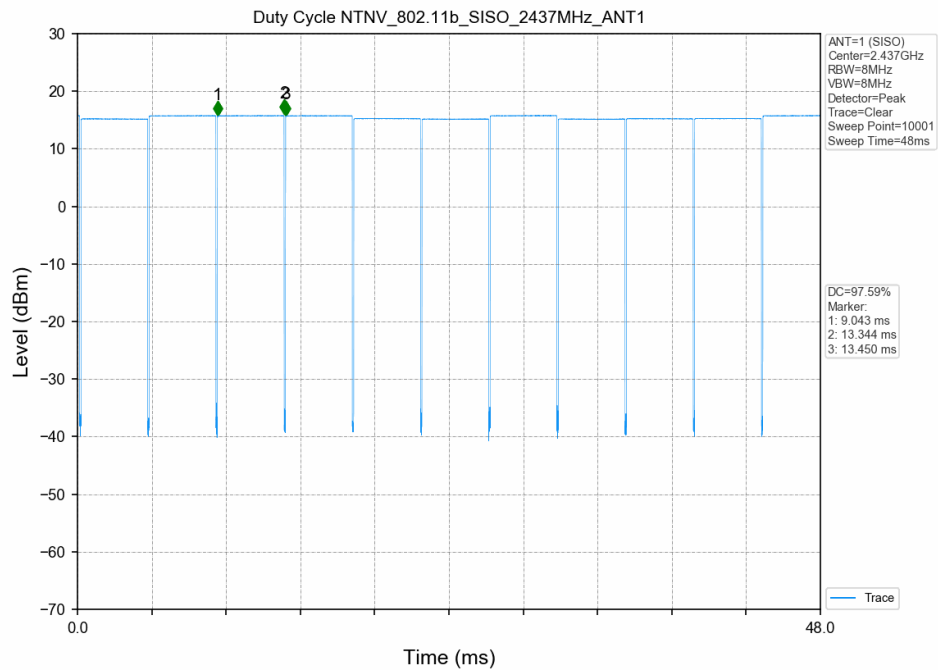
1. Duty Cycle

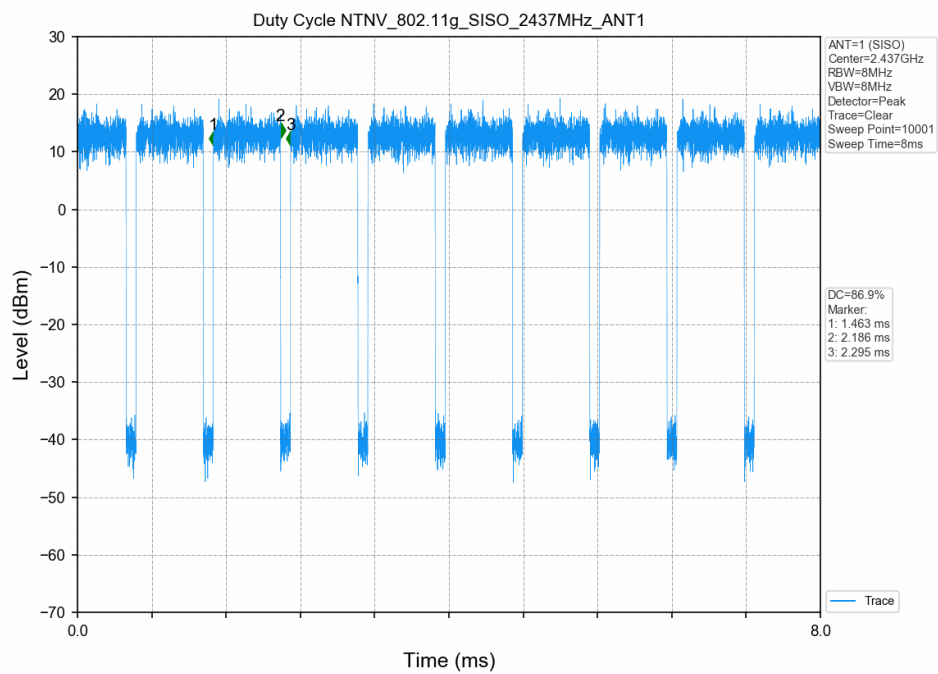
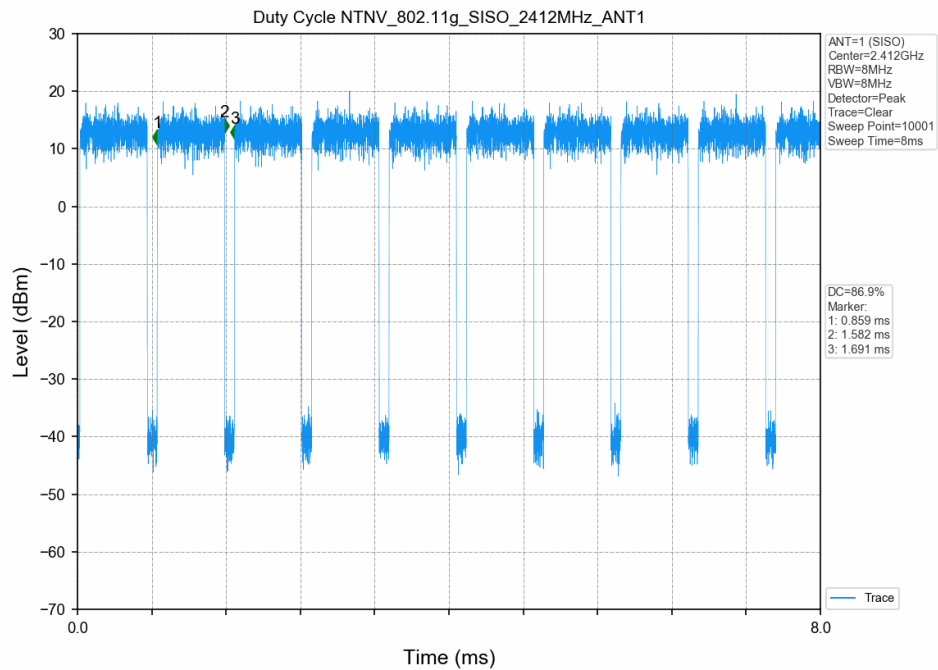
1.1 Test Result

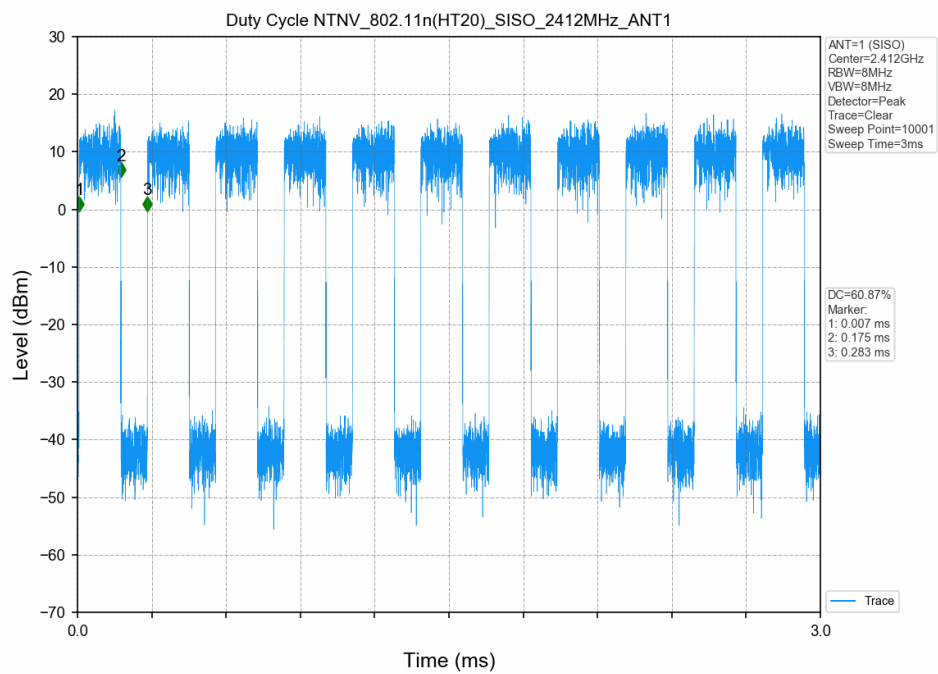
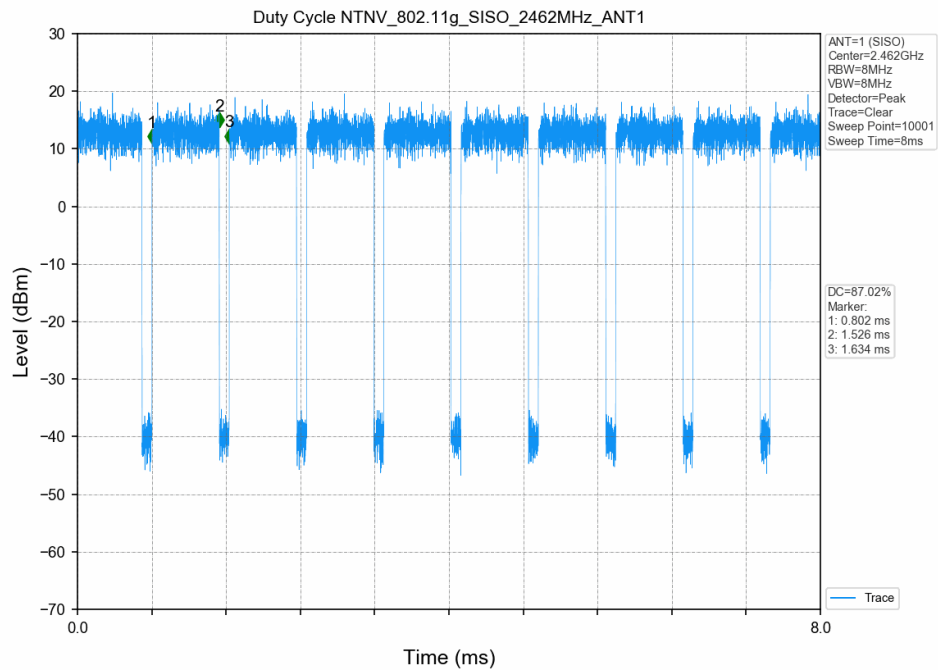
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	4.300	4.406	97.59	0.11
	2437	SISO	1	4.301	4.407	97.59	0.11
	2462	SISO	1	4.305	4.405	97.73	0.10
802.11g	2412	SISO	1	0.723	0.832	86.90	0.61
	2437	SISO	1	0.723	0.832	86.90	0.61
	2462	SISO	1	0.724	0.832	87.02	0.60
802.11n(HT20)	2412	SISO	1	0.168	0.276	60.87	2.16
	2437	SISO	1	0.168	0.276	60.87	2.16
	2462	SISO	1	0.168	0.276	60.87	2.16

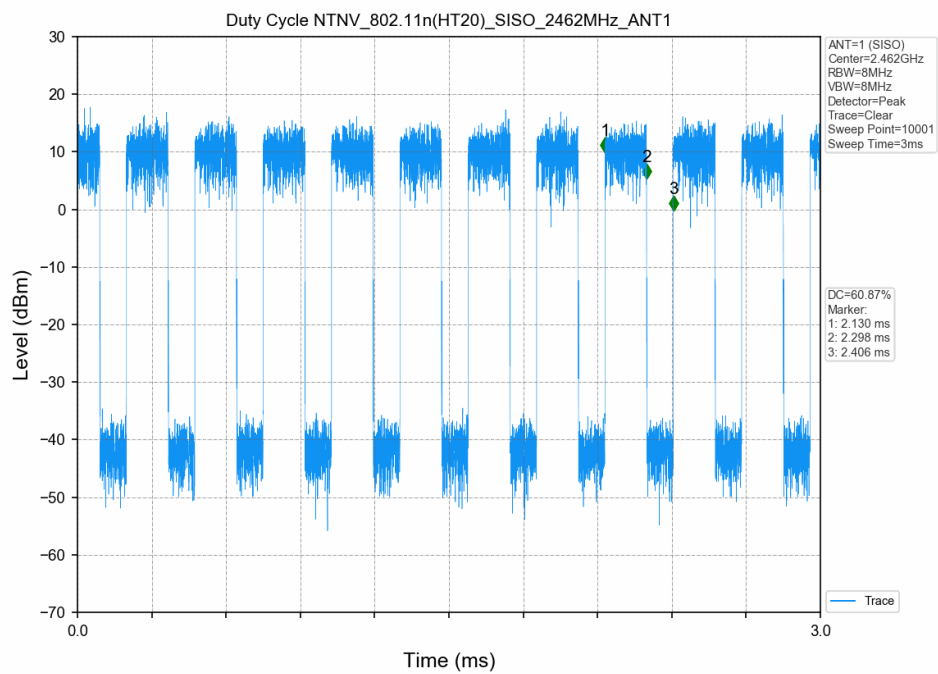
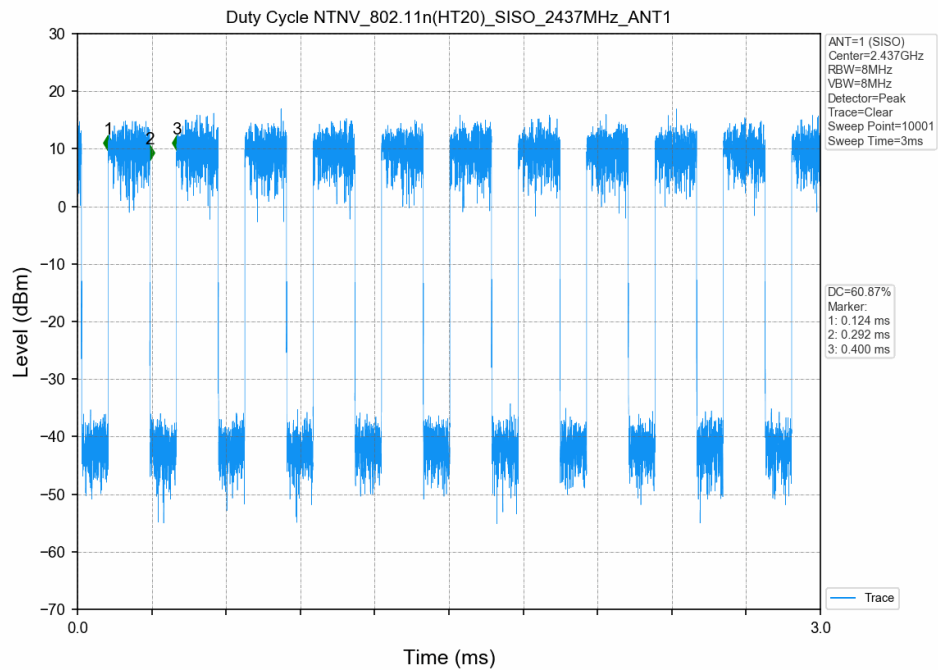
1.2 Test Graph











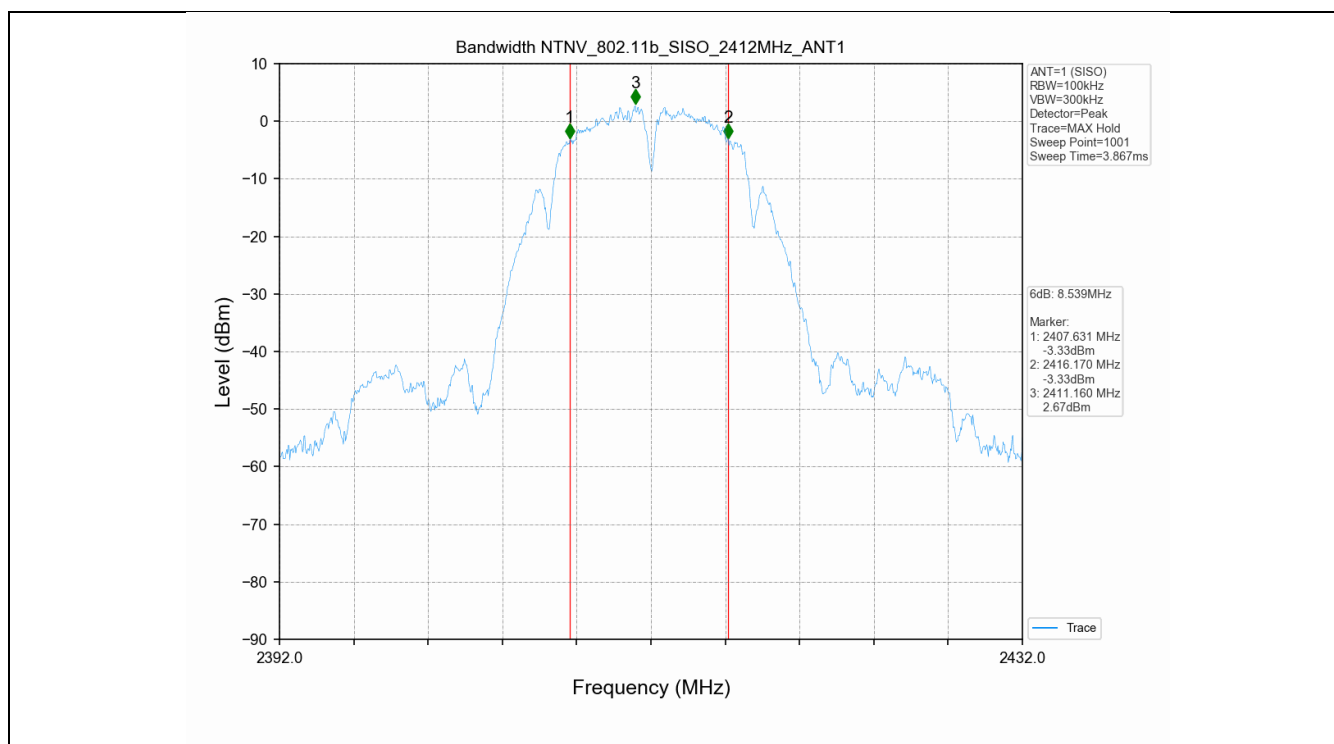
2. Bandwidth

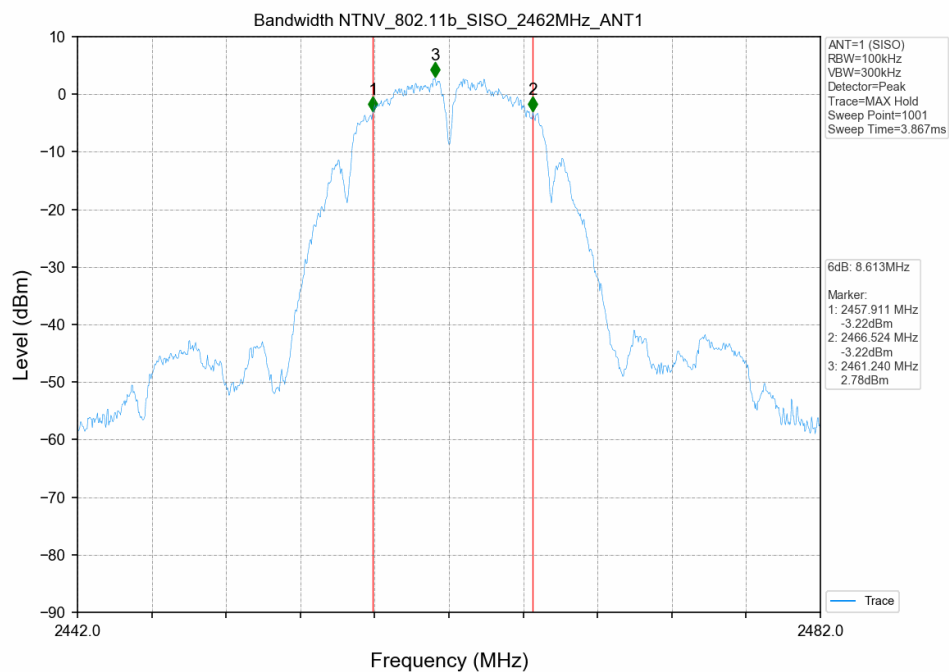
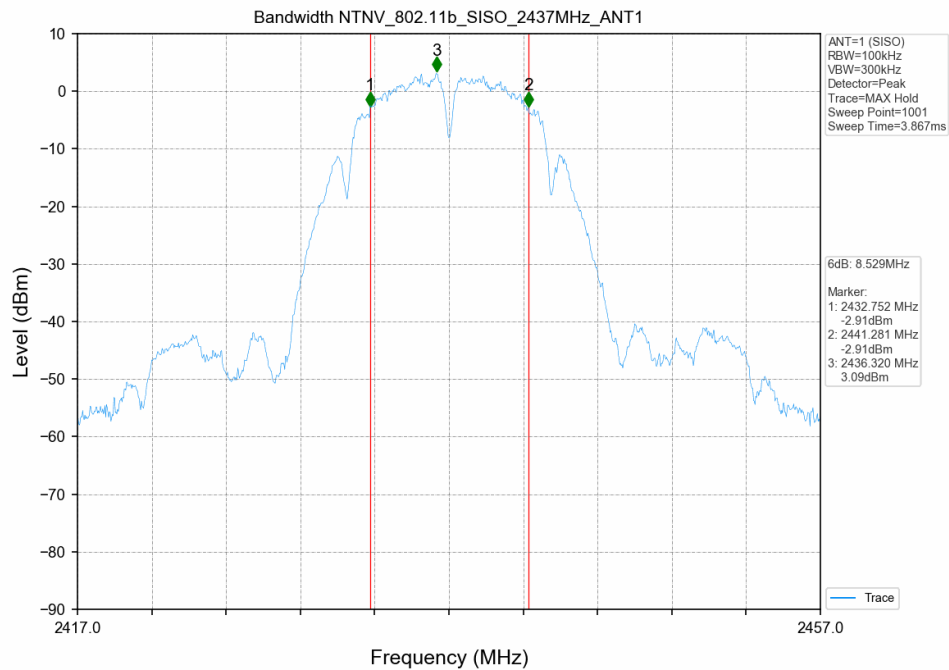
2.1 Test Result

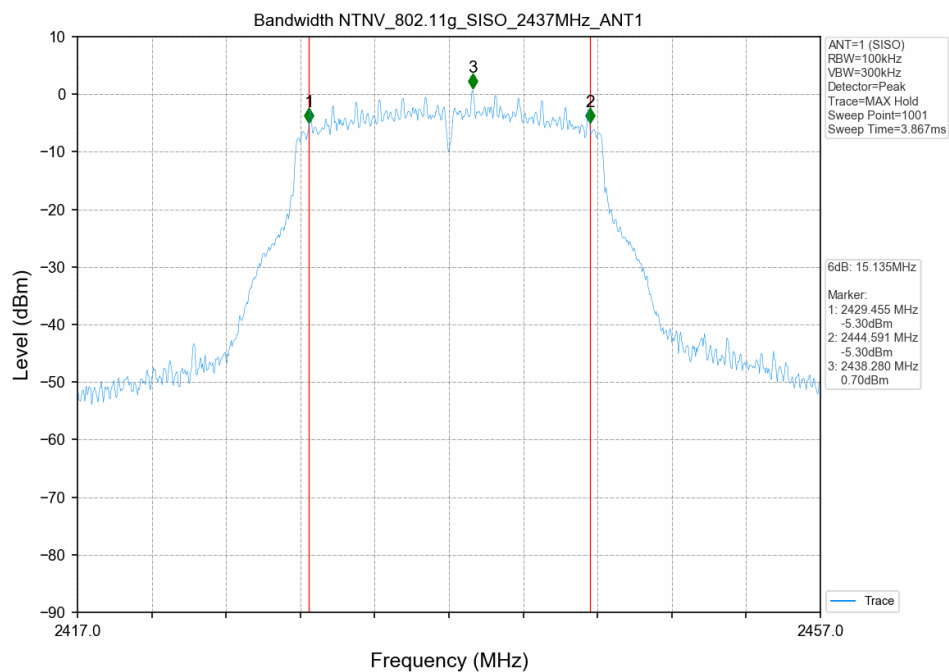
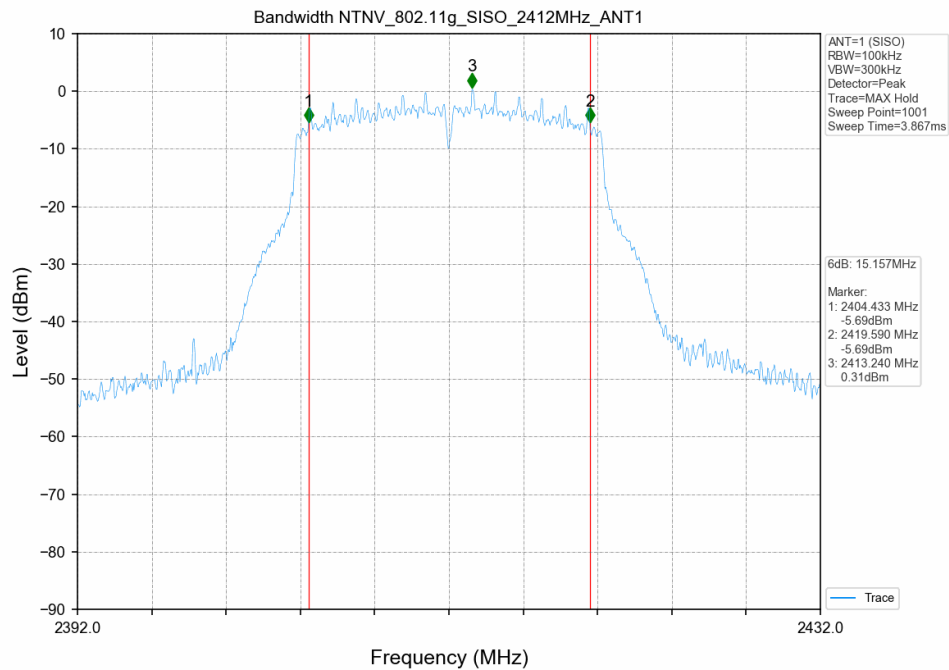
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth	Verdict
				Test Result (MHz)	
802.11b	2412	SISO	1	8.539	PASS
	2437	SISO	1	8.529	PASS
	2462	SISO	1	8.613	PASS
802.11g	2412	SISO	1	15.157	PASS
	2437	SISO	1	15.135	PASS
	2462	SISO	1	15.152	PASS
802.11n(HT20)	2412	SISO	1	17.005	PASS
	2437	SISO	1	16.969	PASS
	2462	SISO	1	16.371	PASS

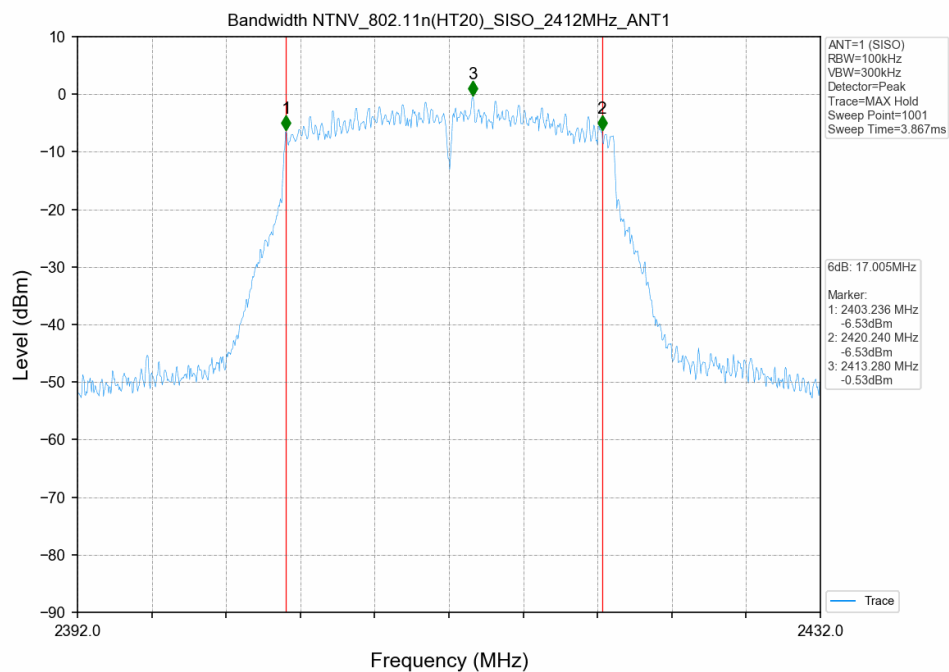
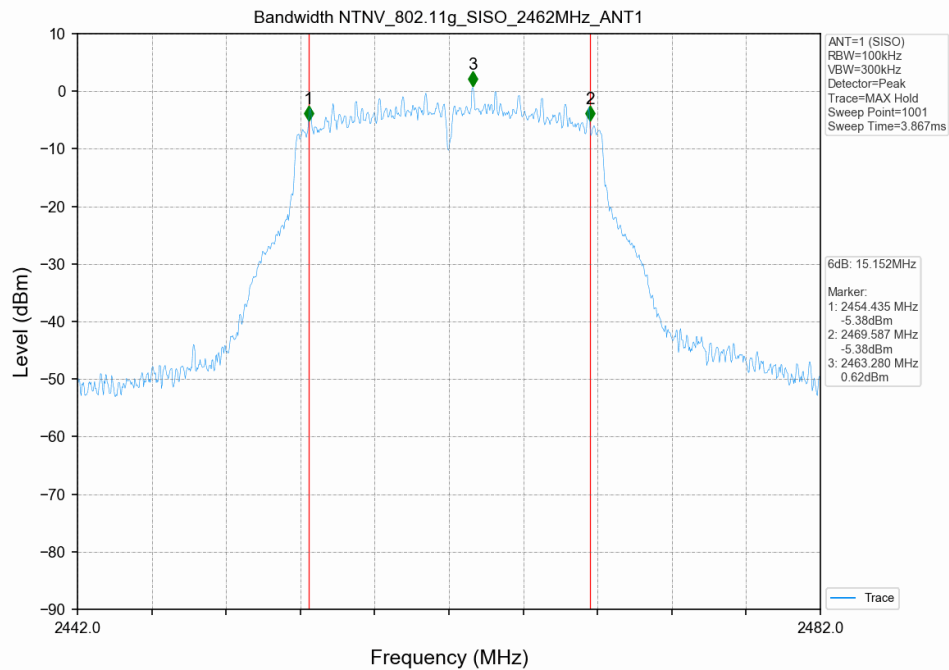
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	11.552	Only for Report Use
	2437	SISO	1	11.544	Only for Report Use
	2462	SISO	1	11.499	Only for Report Use
802.11g	2412	SISO	1	16.538	Only for Report Use
	2437	SISO	1	16.544	Only for Report Use
	2462	SISO	1	16.515	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.696	Only for Report Use
	2437	SISO	1	17.689	Only for Report Use
	2462	SISO	1	17.682	Only for Report Use

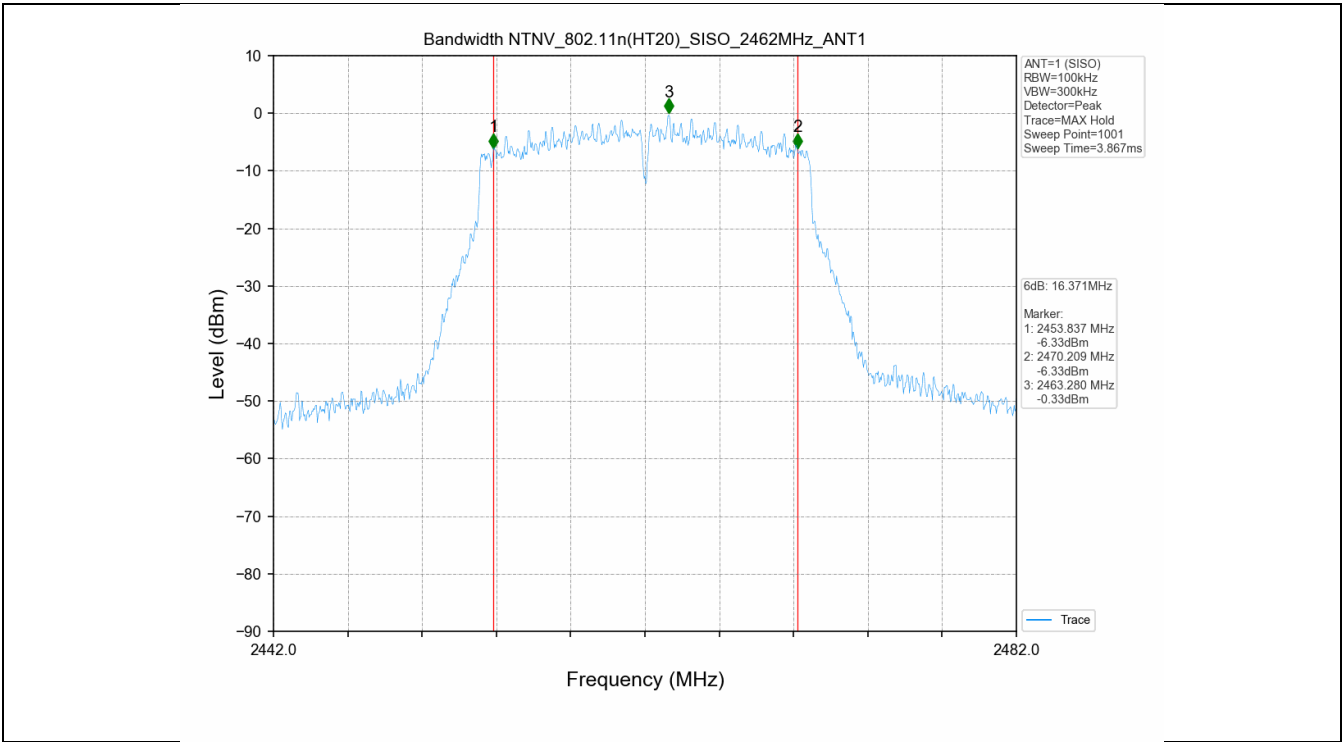
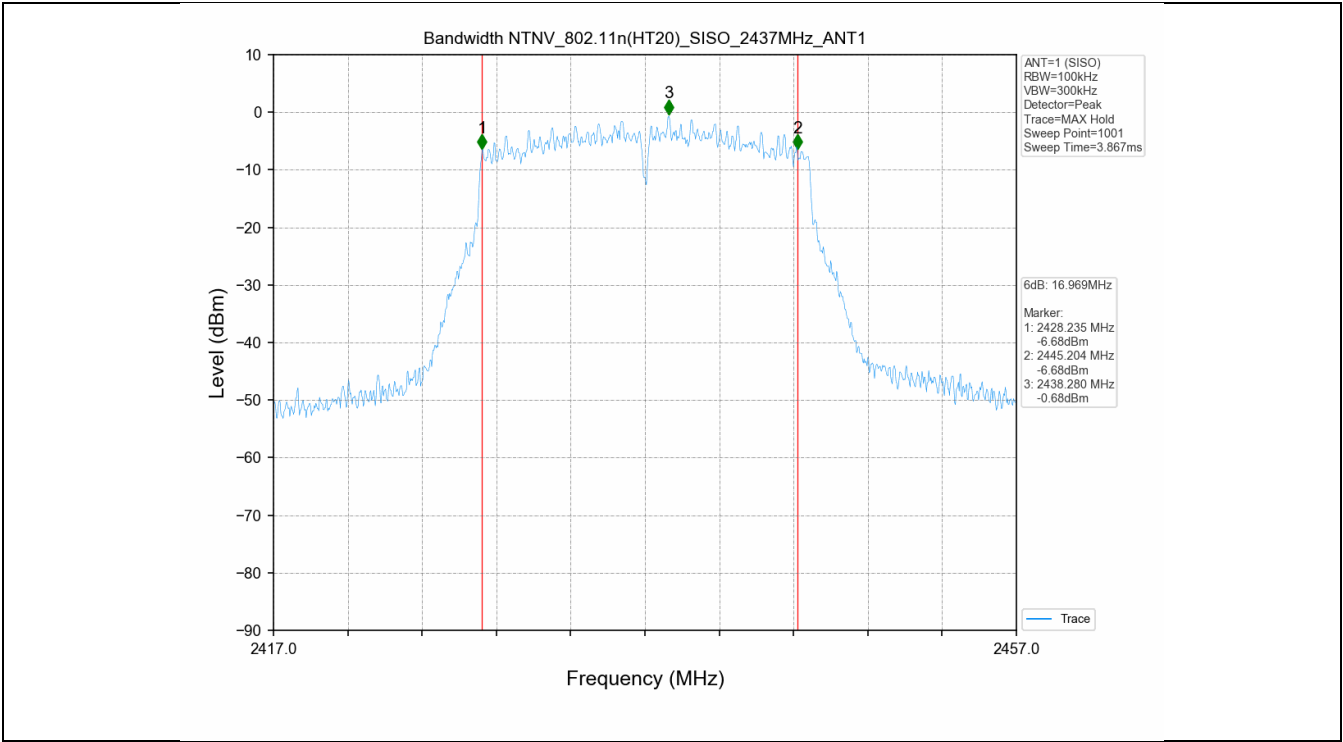
2.2 Test Graph - 6dB Bandwidth



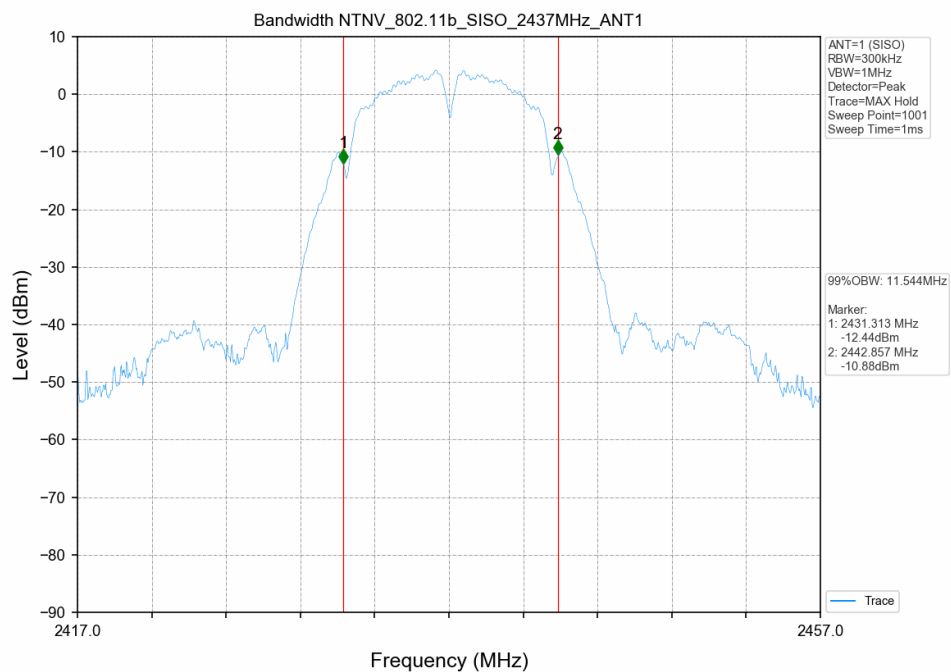
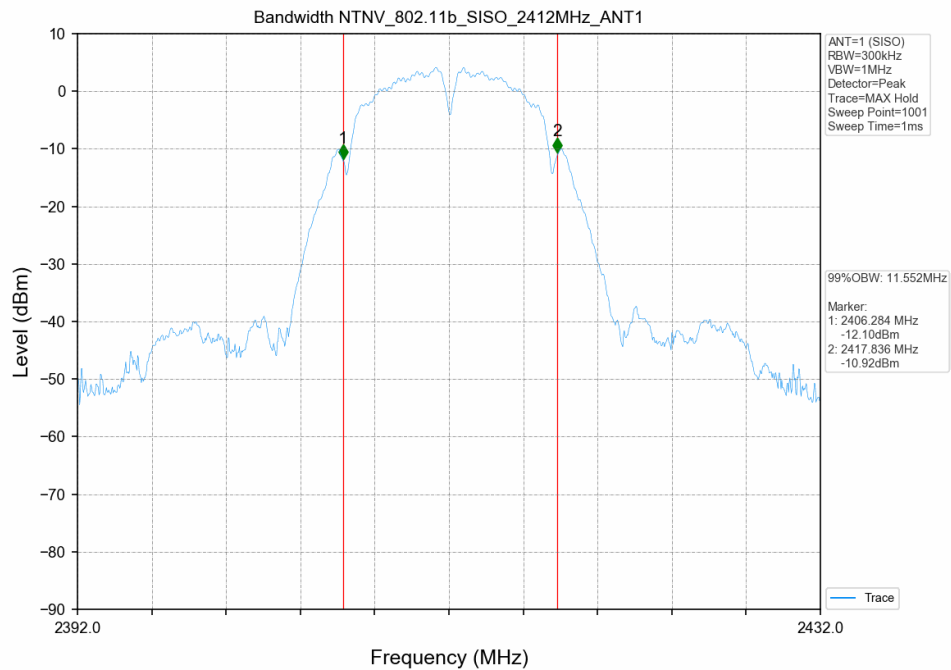


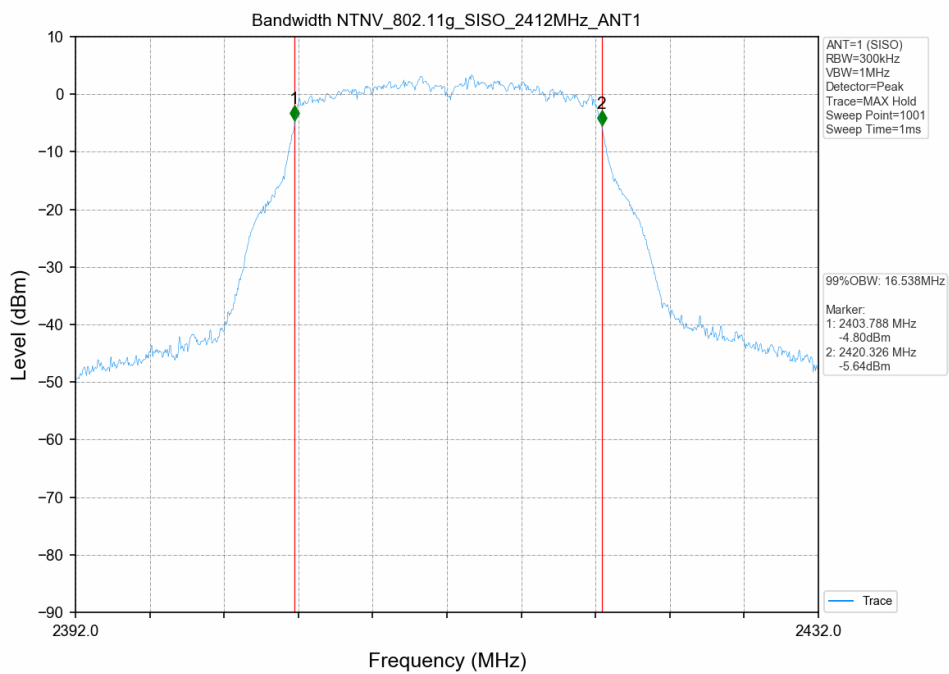
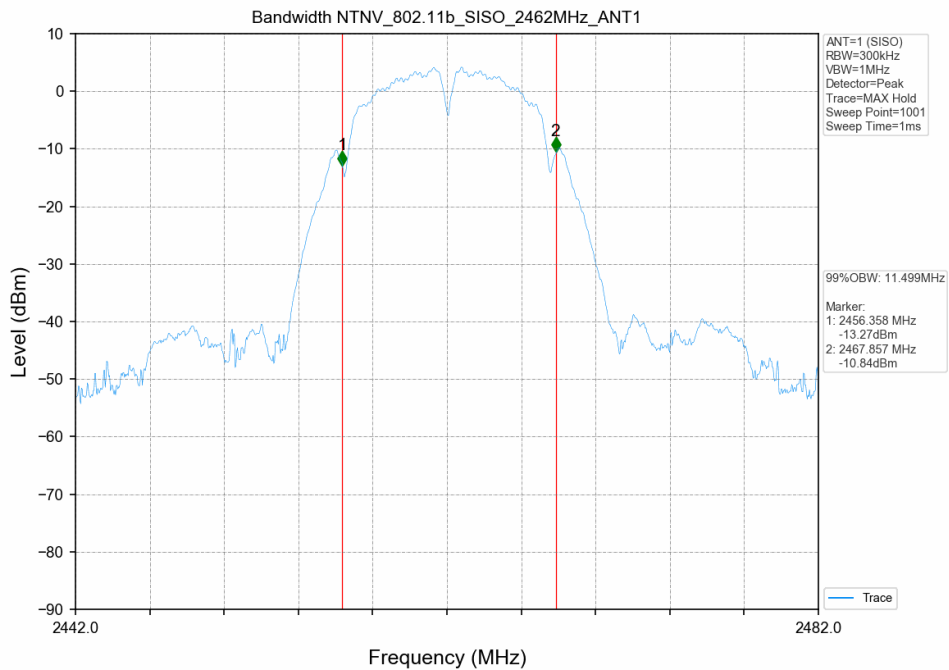


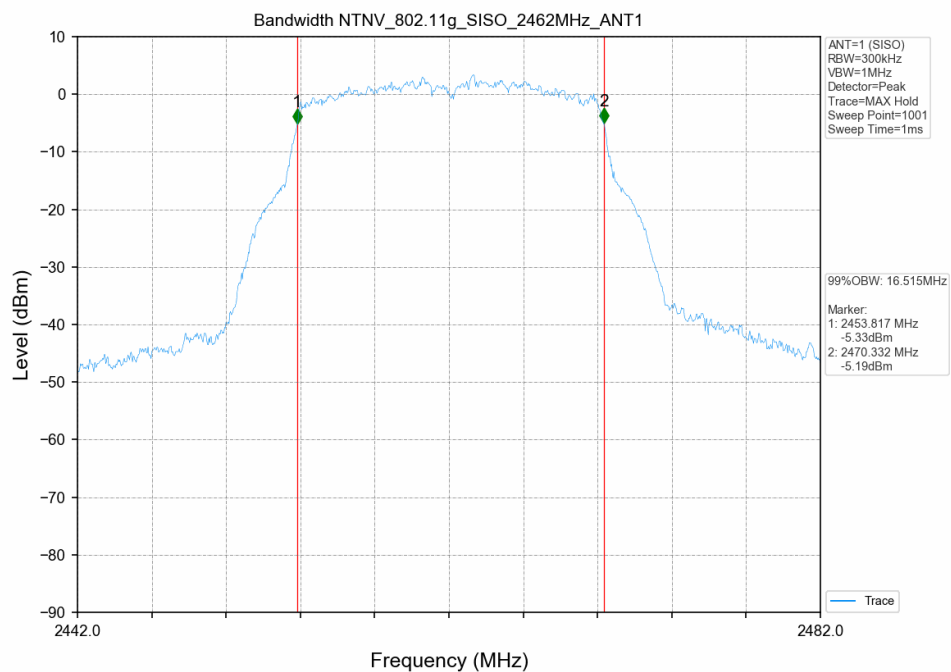
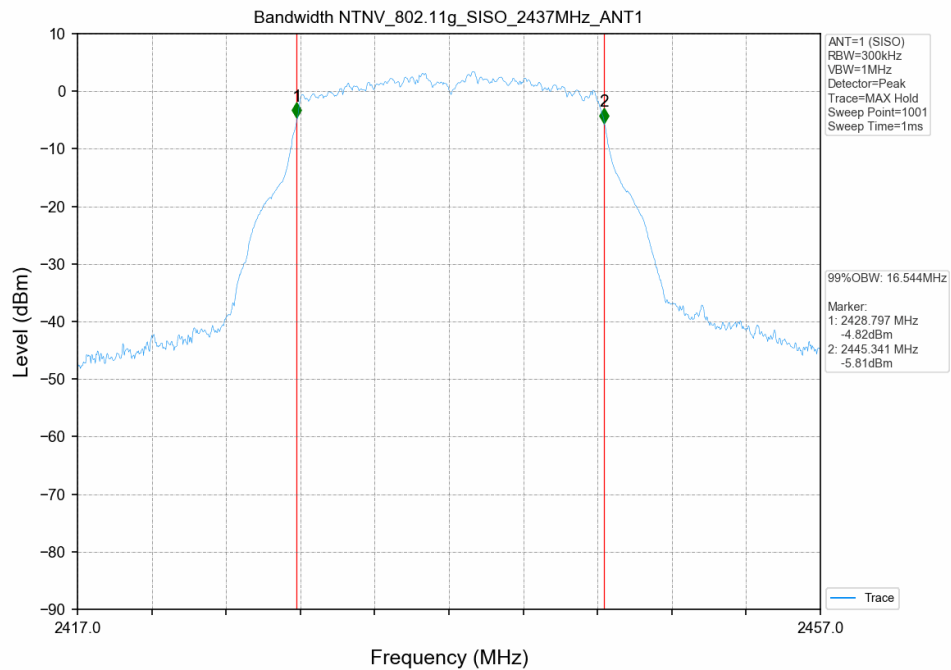


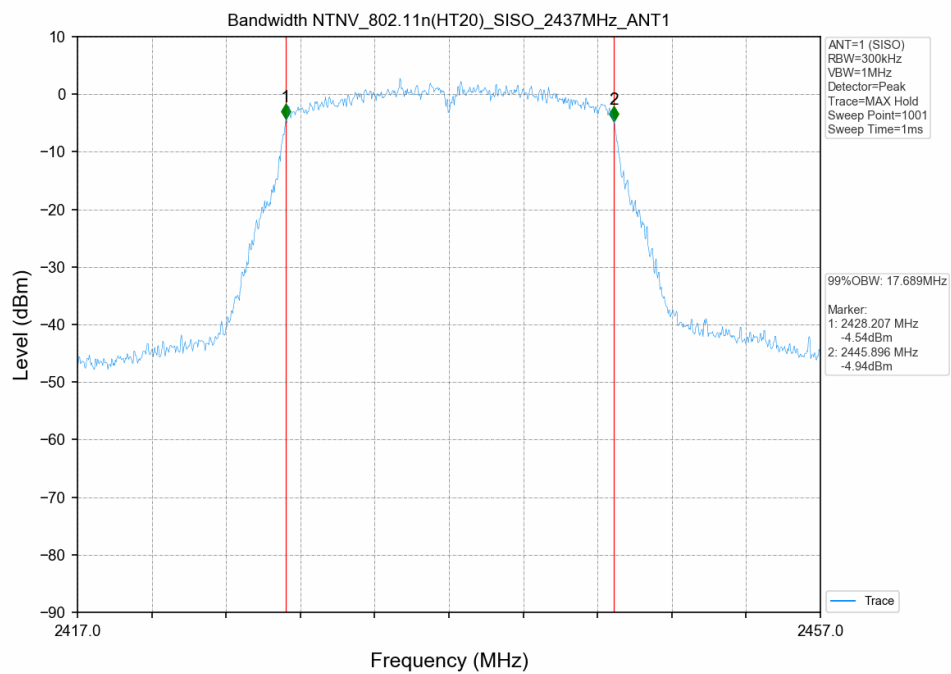
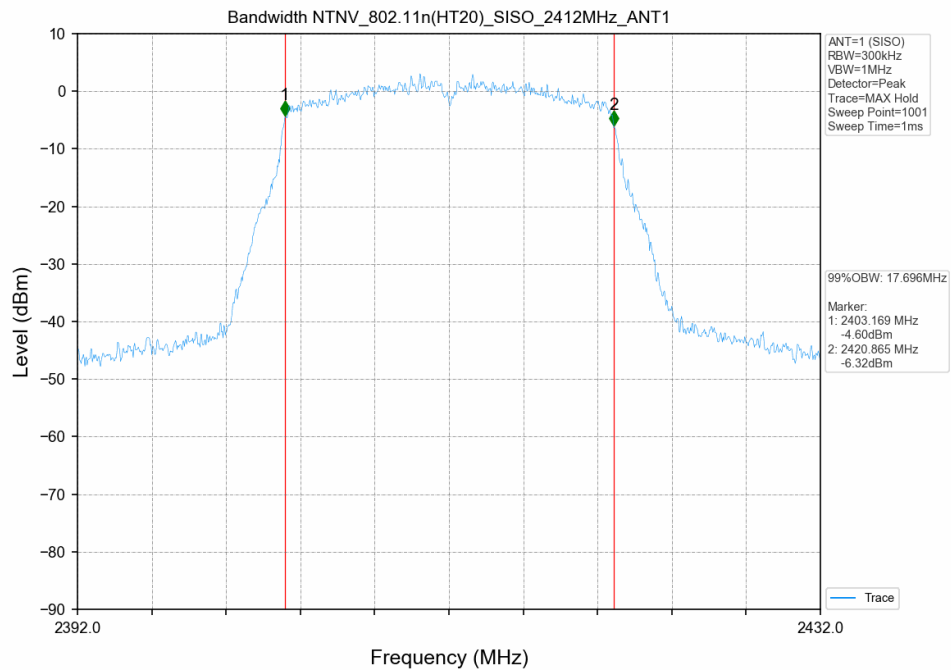


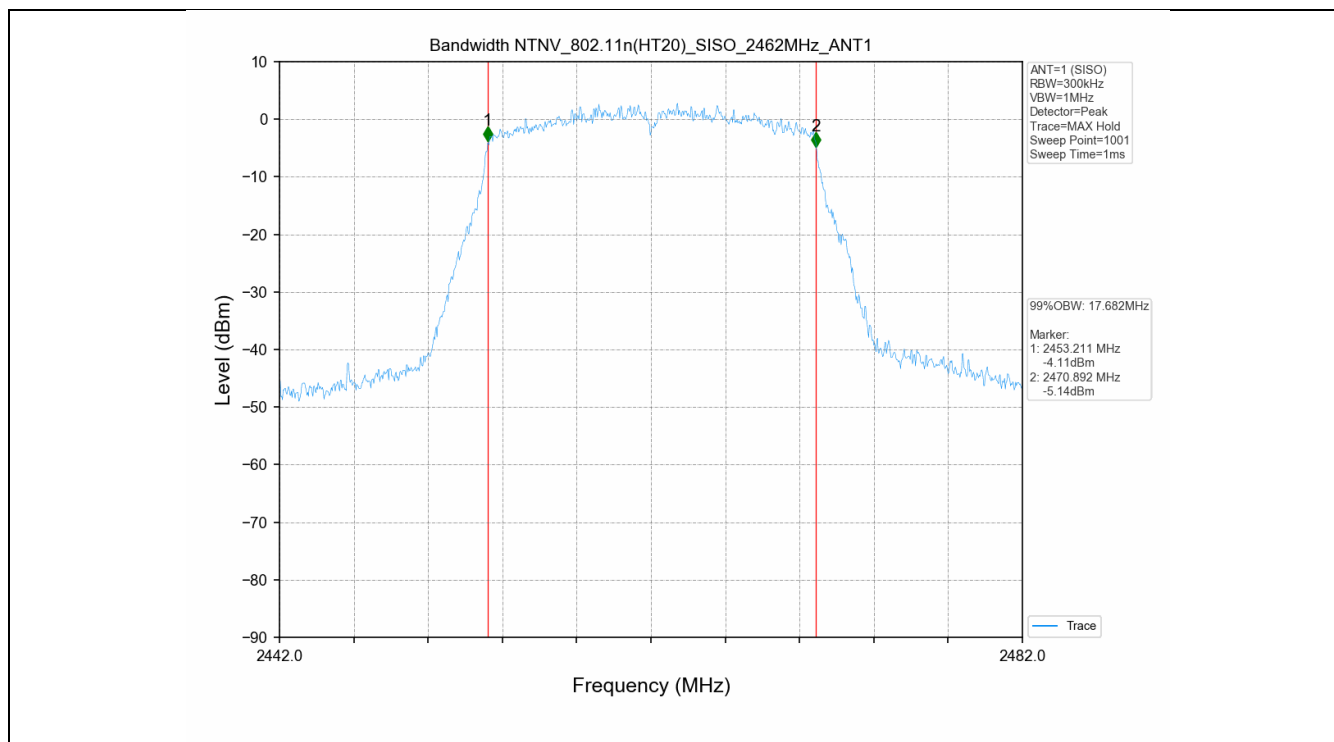
2.3 Test Graph - 99% Occupied Bandwidth









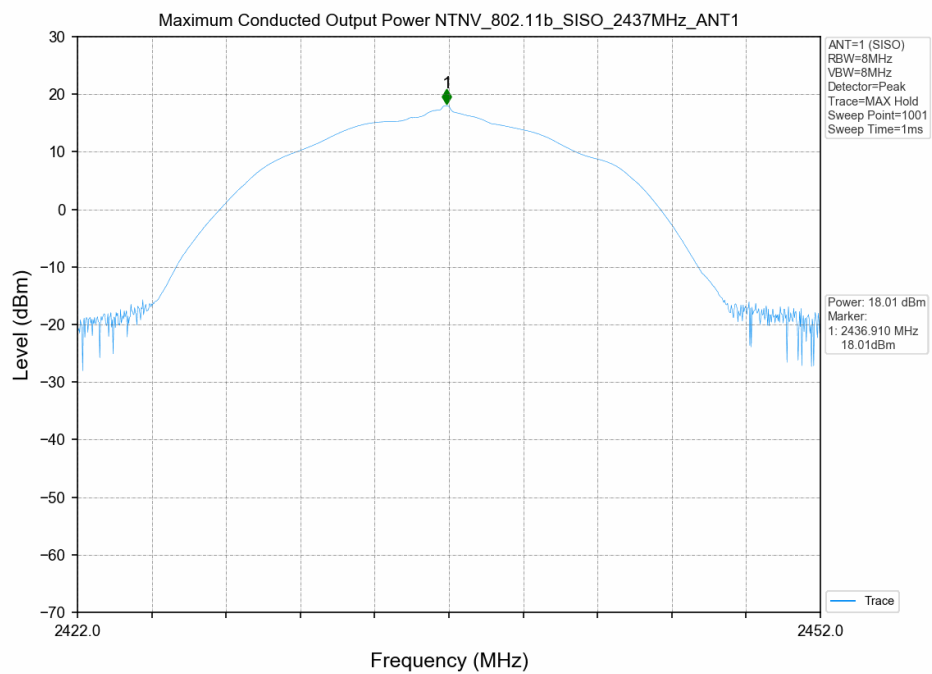
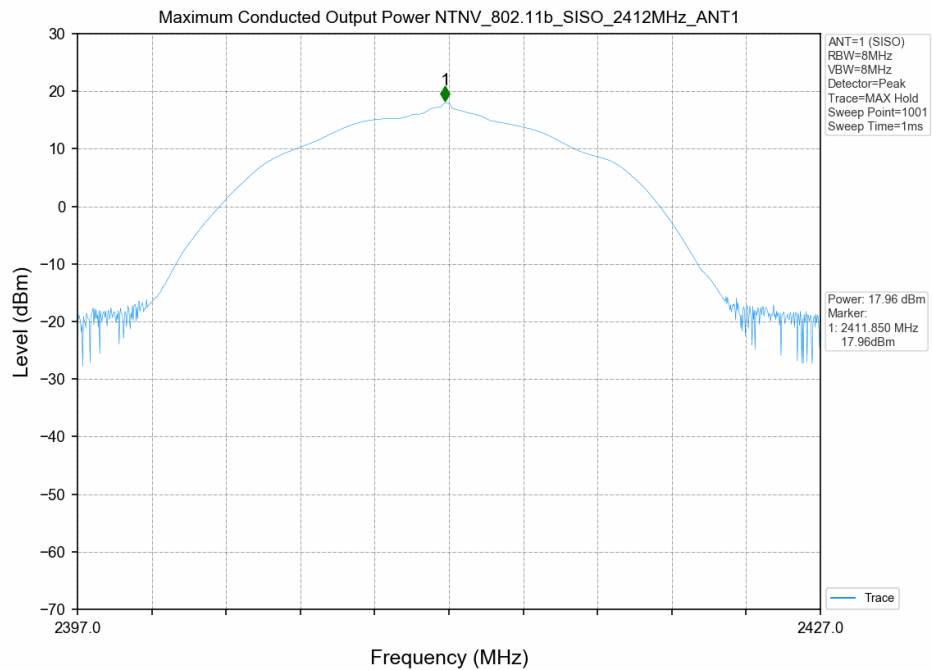


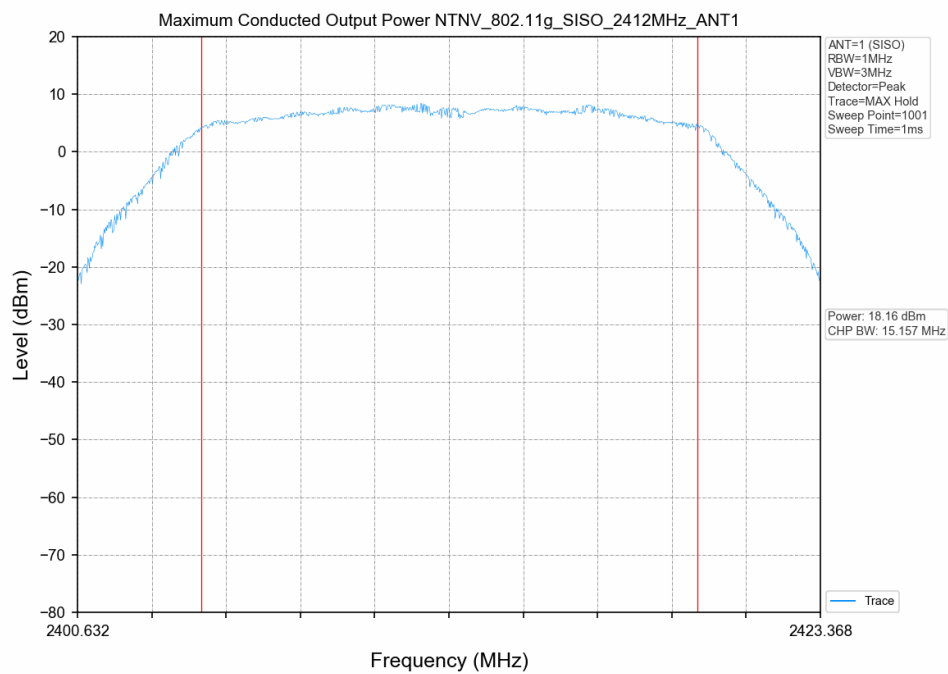
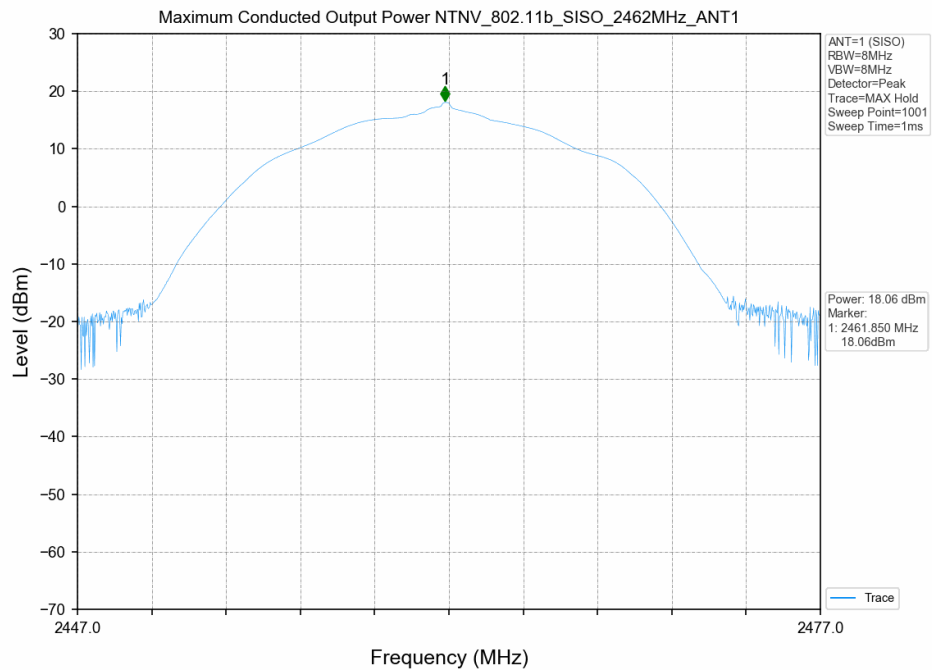
3. Maximum Conducted Output Power

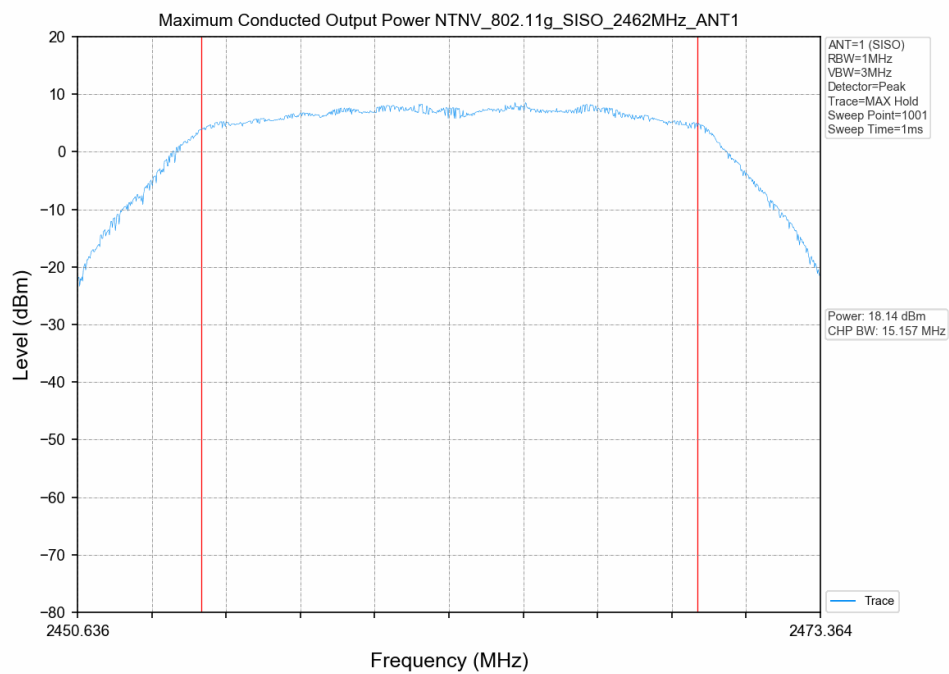
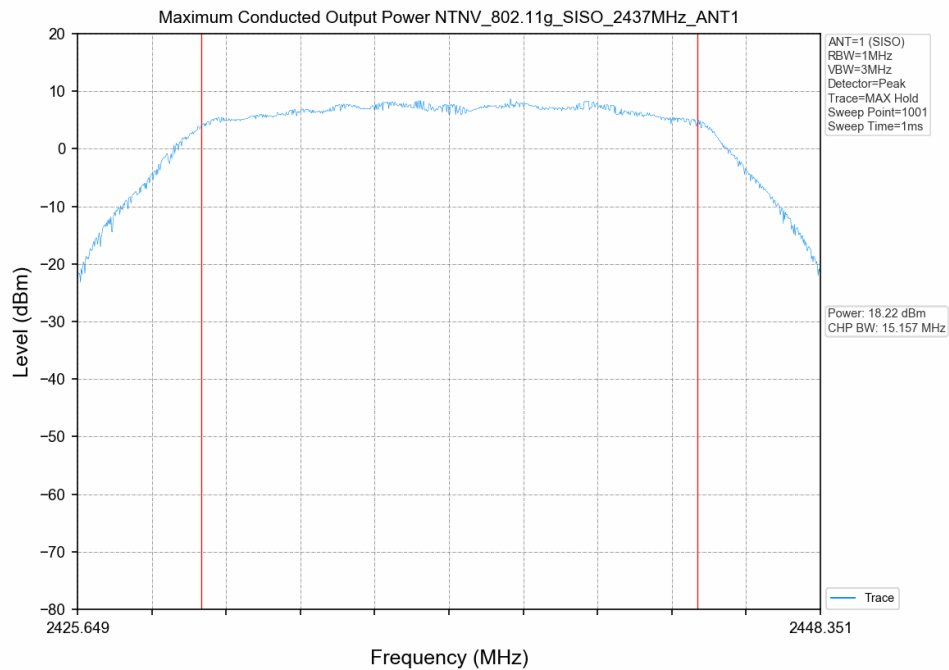
3.1 Test Result

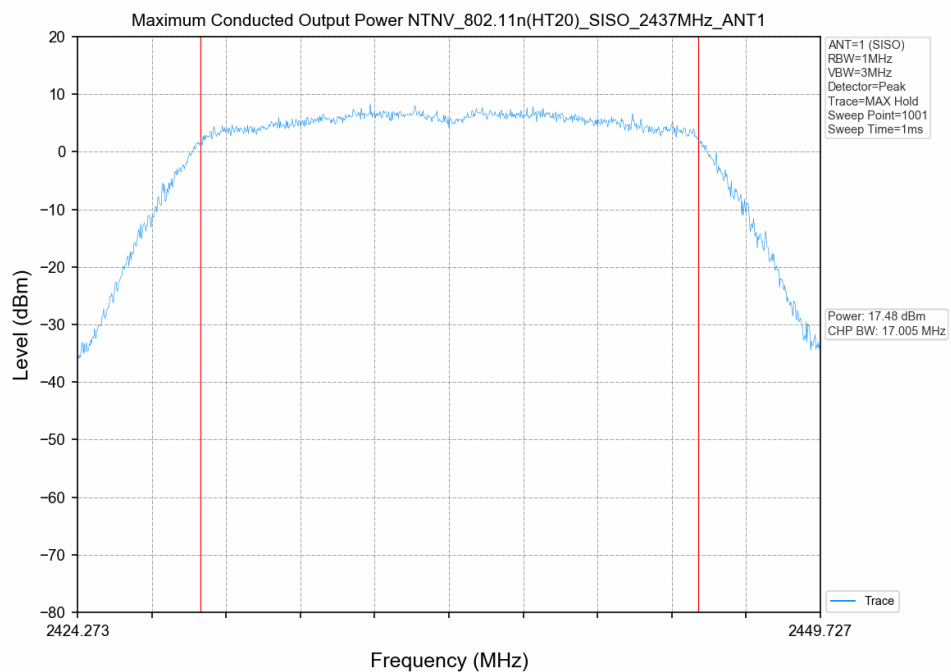
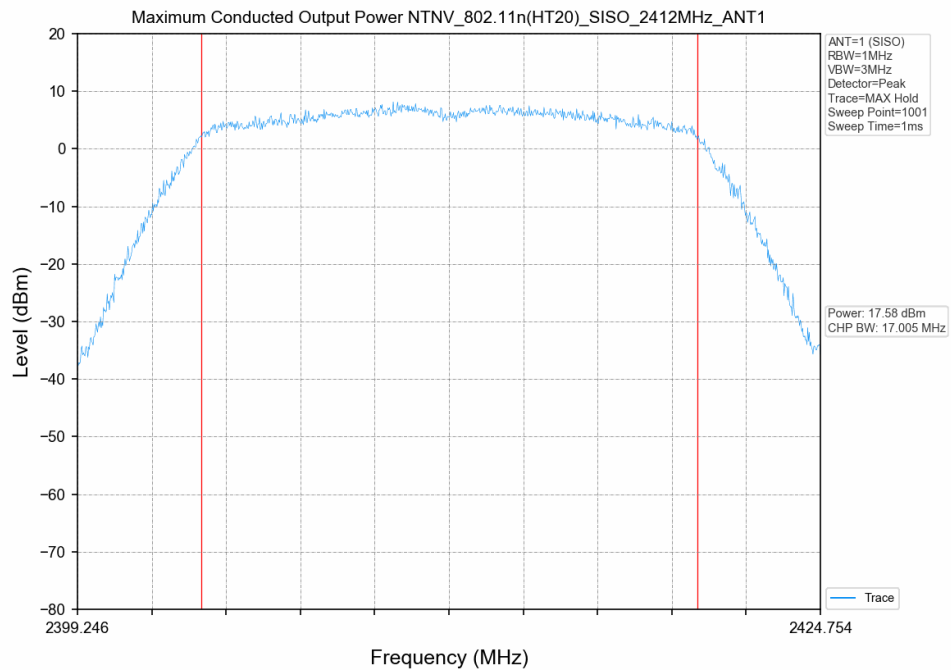
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	17.96	30	PASS
	2437	SISO	18.01	30	PASS
	2462	SISO	18.06	30	PASS
802.11g	2412	SISO	18.16	30	PASS
	2437	SISO	18.22	30	PASS
	2462	SISO	18.14	30	PASS
802.11n(HT20)	2412	SISO	17.58	30	PASS
	2437	SISO	17.48	30	PASS
	2462	SISO	17.73	30	PASS

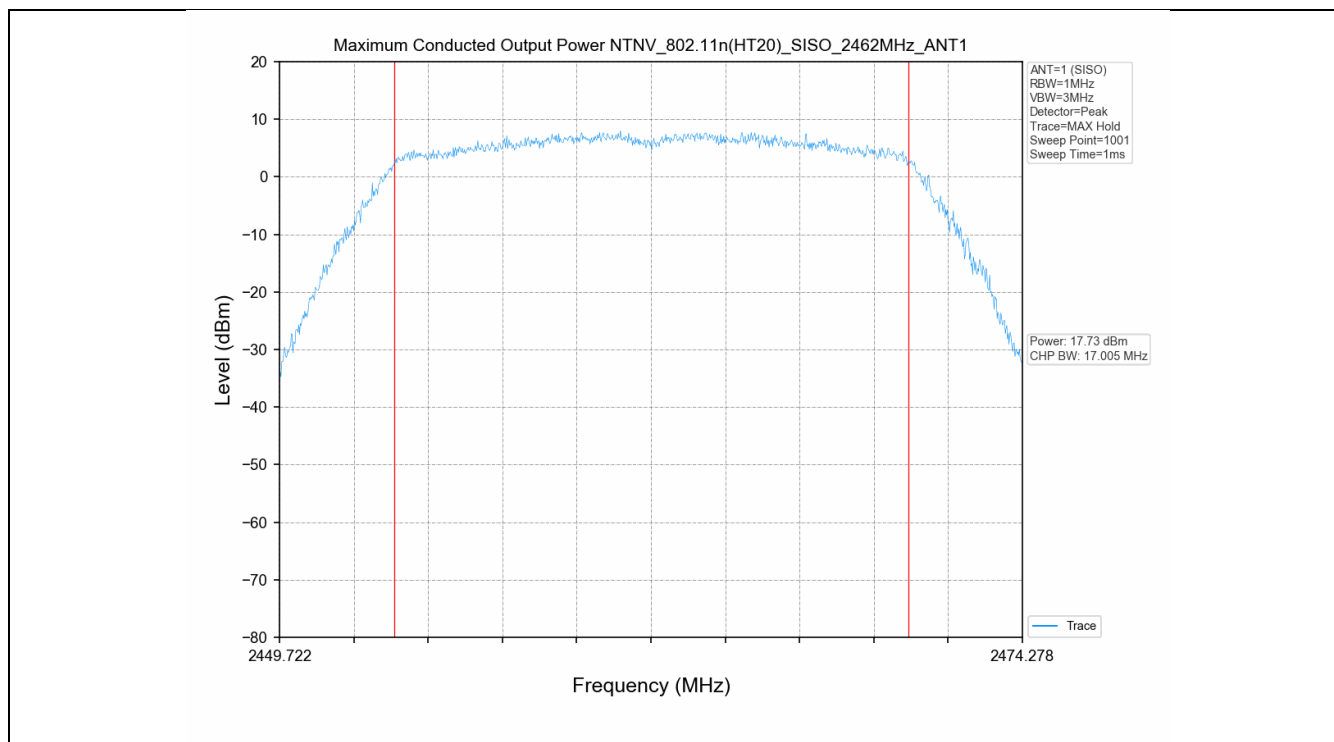
3.2 Test Graph









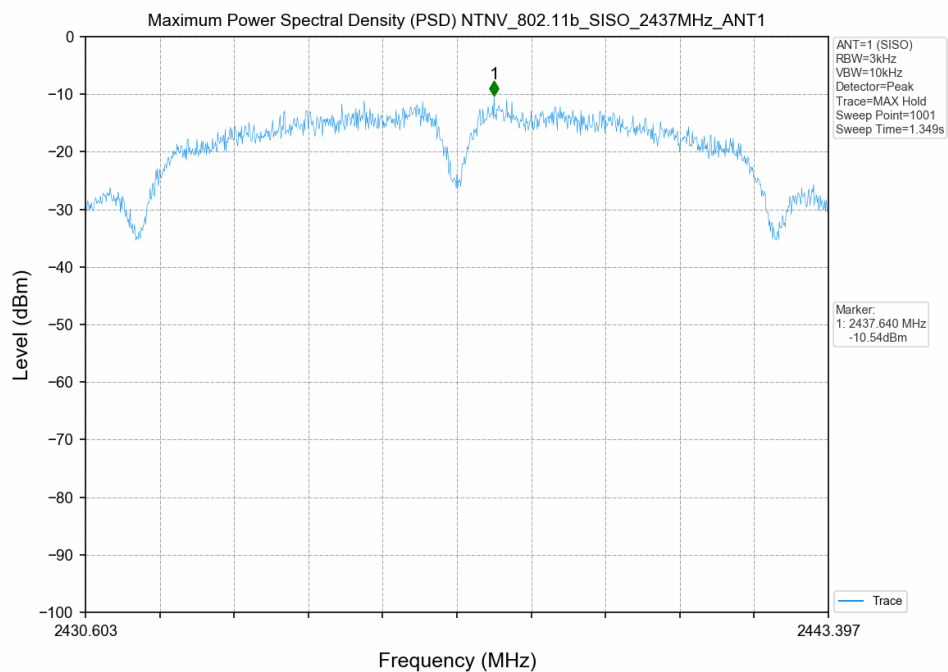
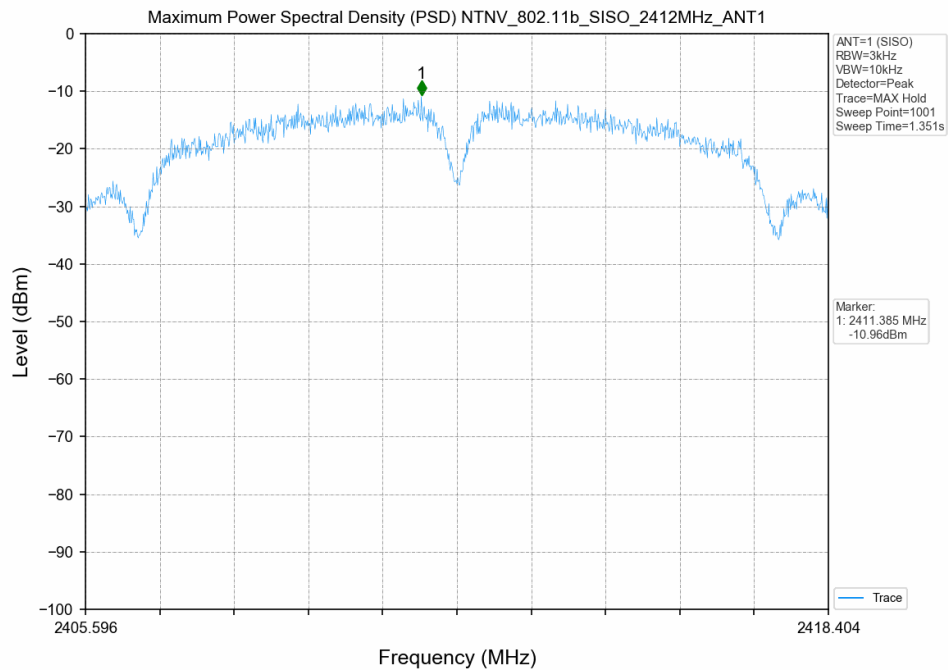


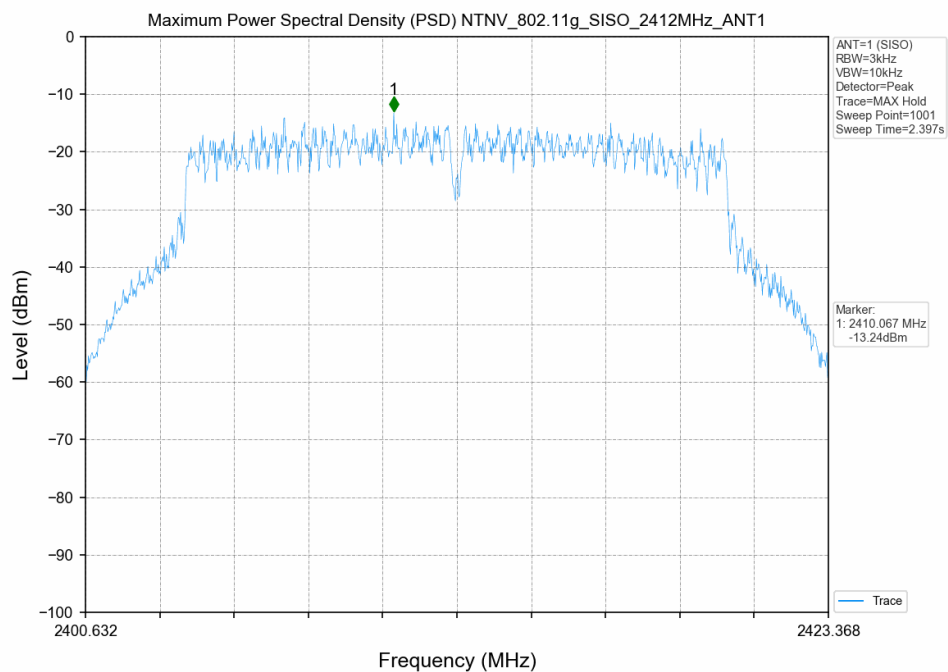
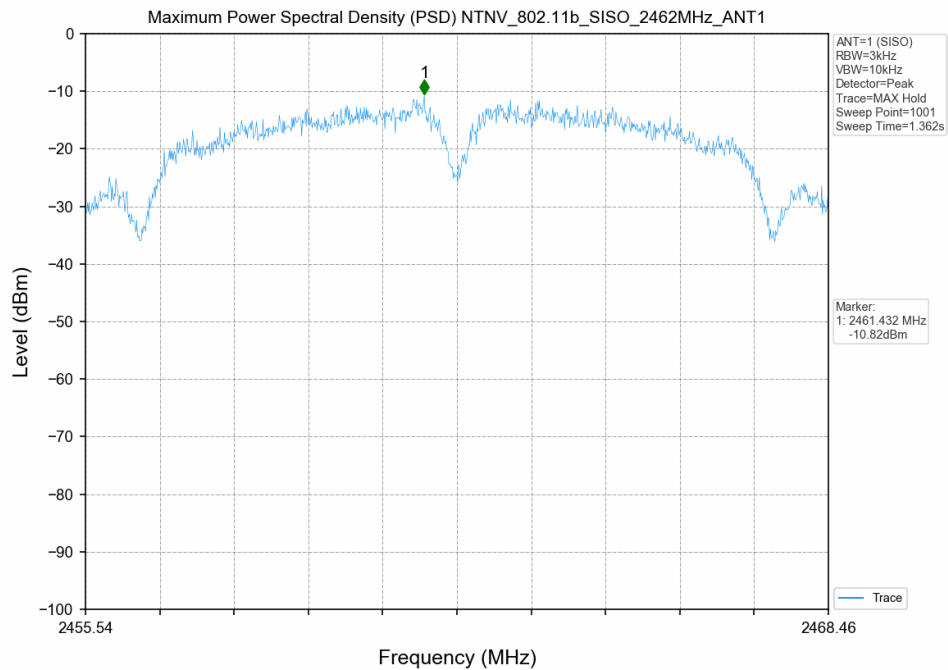
4. Maximum Power Spectral Density (PSD)

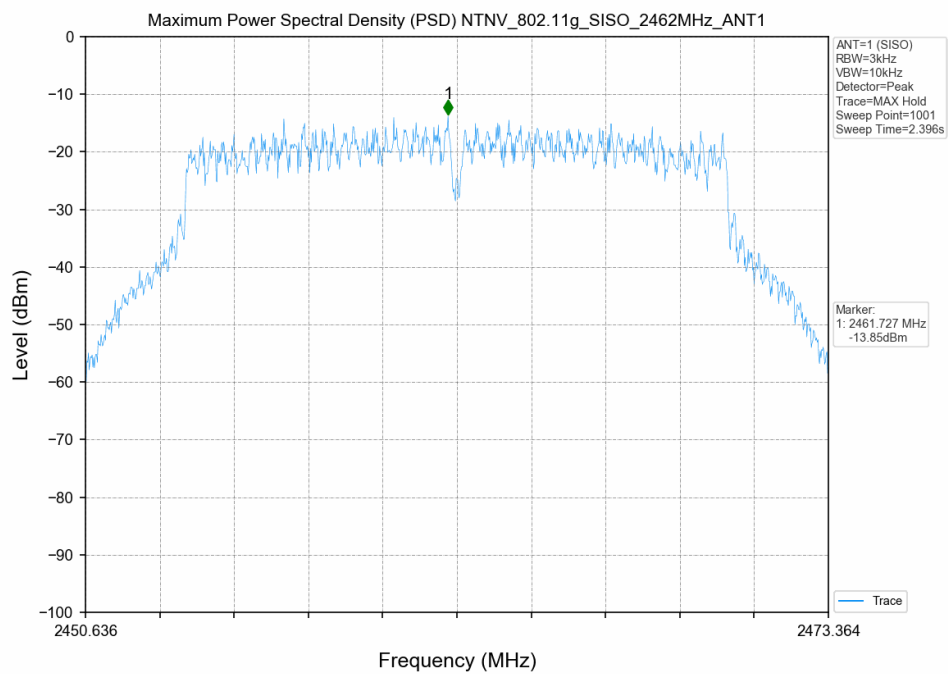
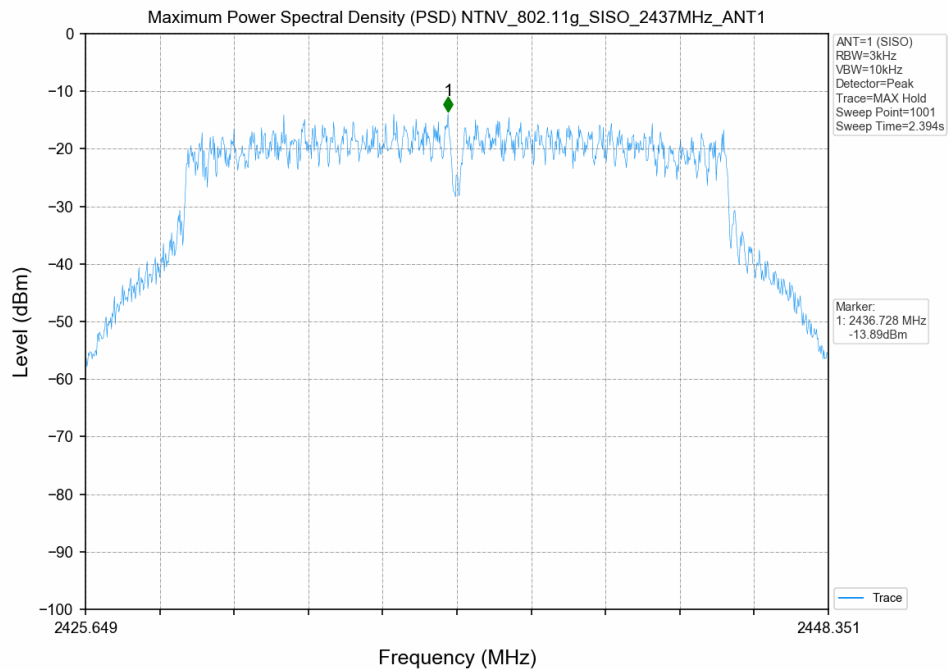
4.1 Test Result

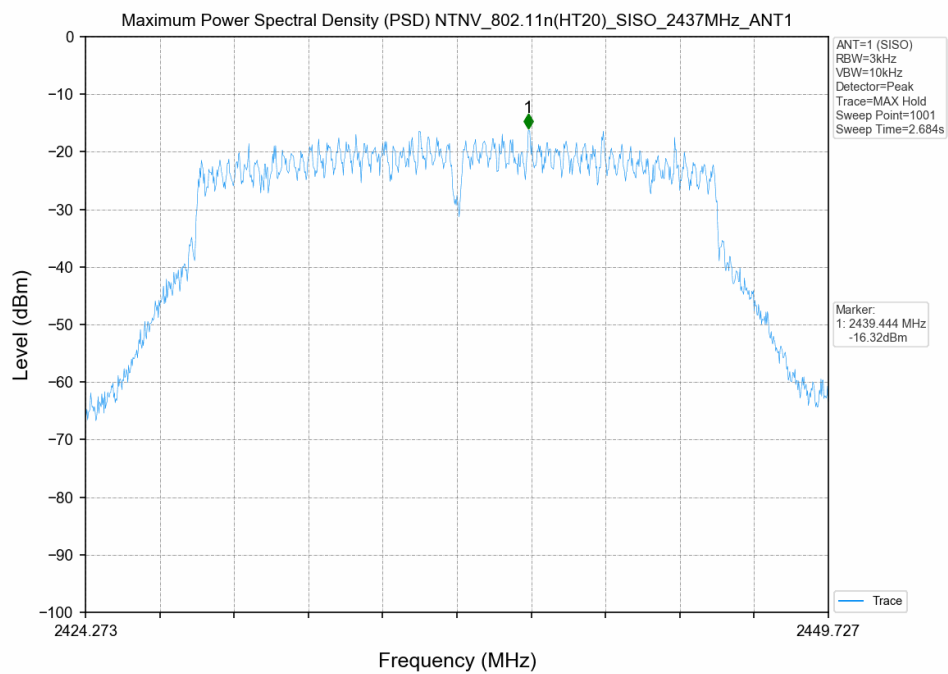
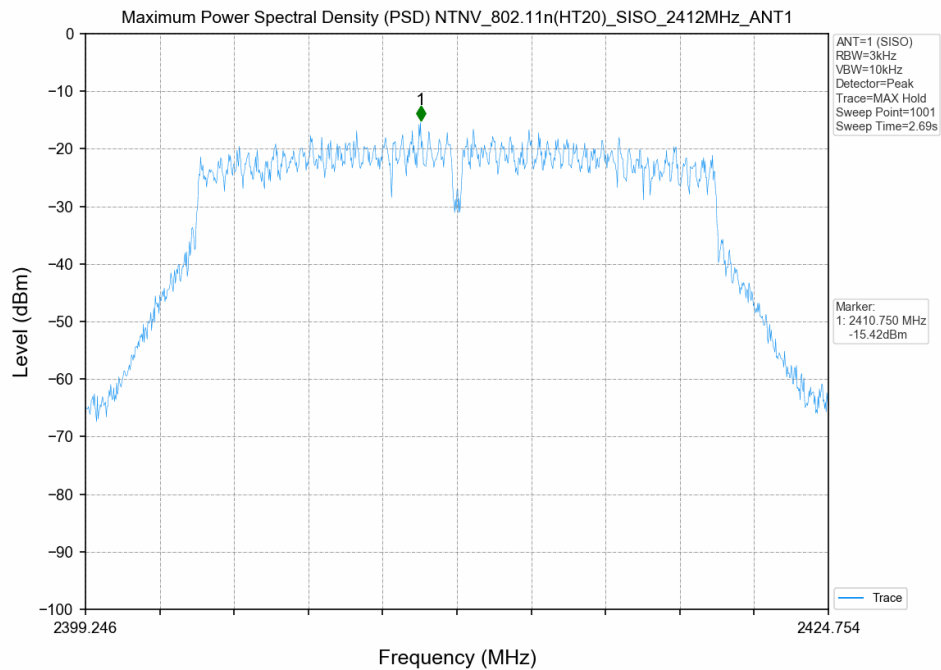
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-10.96	≤8	PASS
	2437	SISO	-10.54	≤8	PASS
	2462	SISO	-10.82	≤8	PASS
802.11g	2412	SISO	-13.24	≤8	PASS
	2437	SISO	-13.89	≤8	PASS
	2462	SISO	-13.85	≤8	PASS
802.11n(HT20)	2412	SISO	-15.42	≤8	PASS
	2437	SISO	-16.32	≤8	PASS
	2462	SISO	-15.98	≤8	PASS

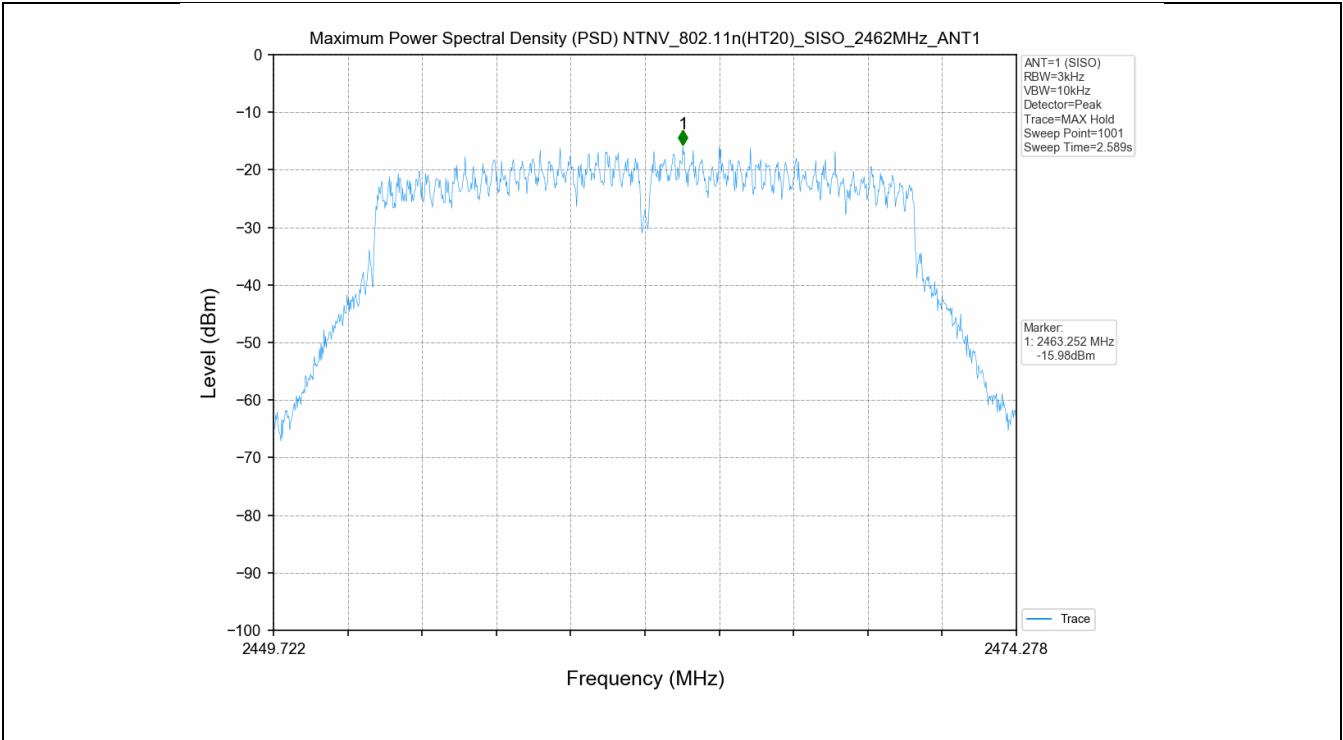
4.2 Test Graph









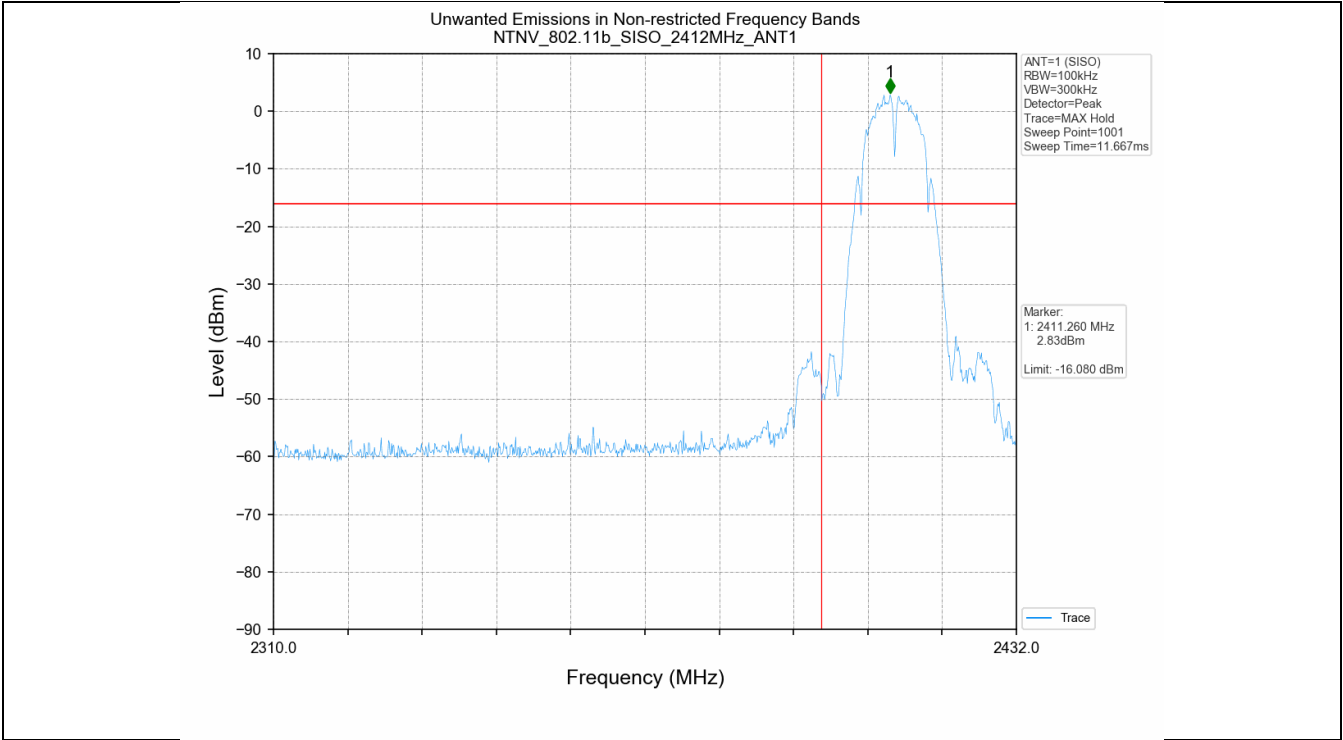
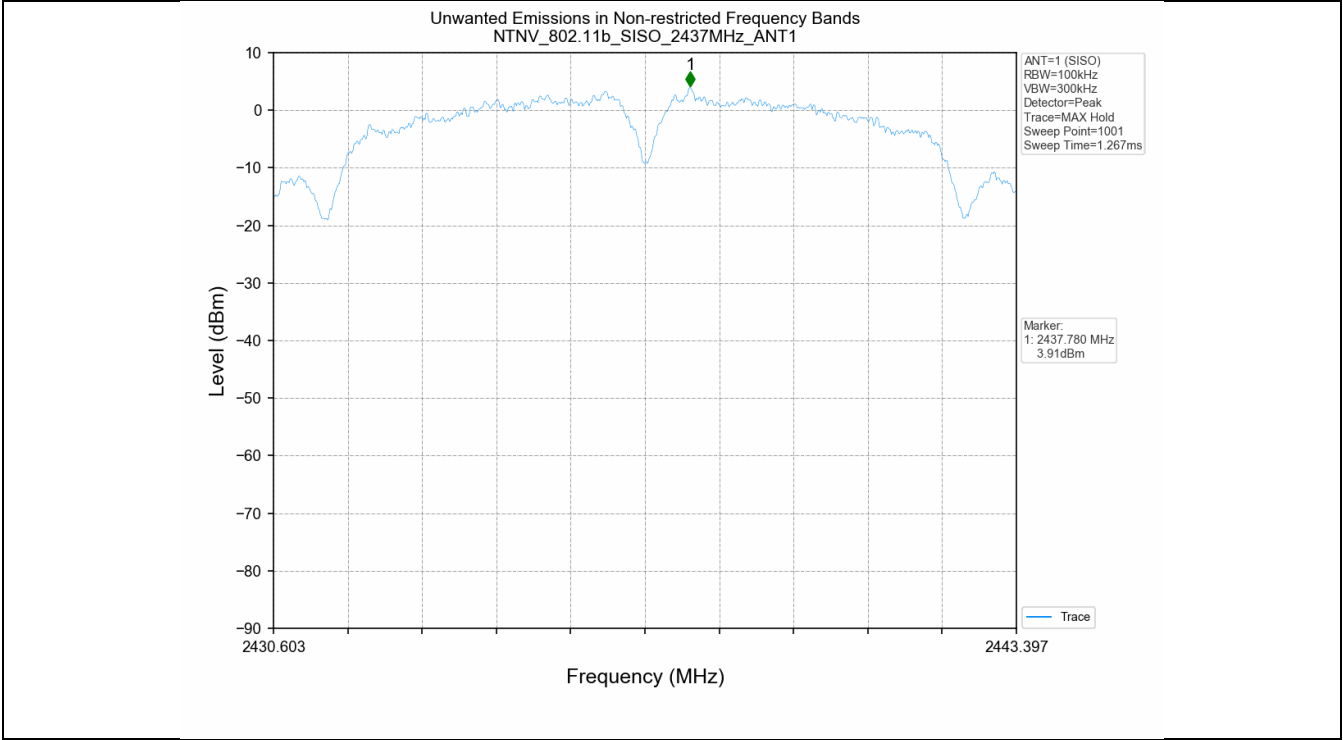


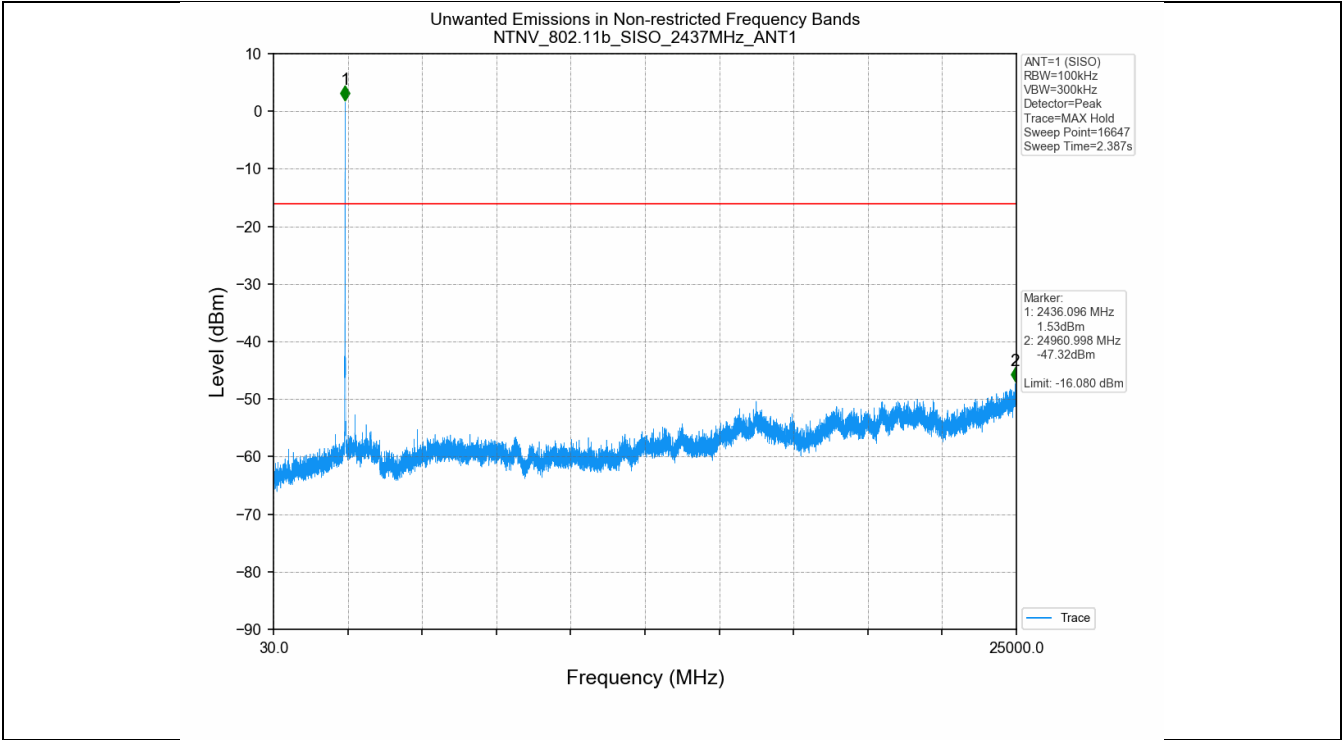
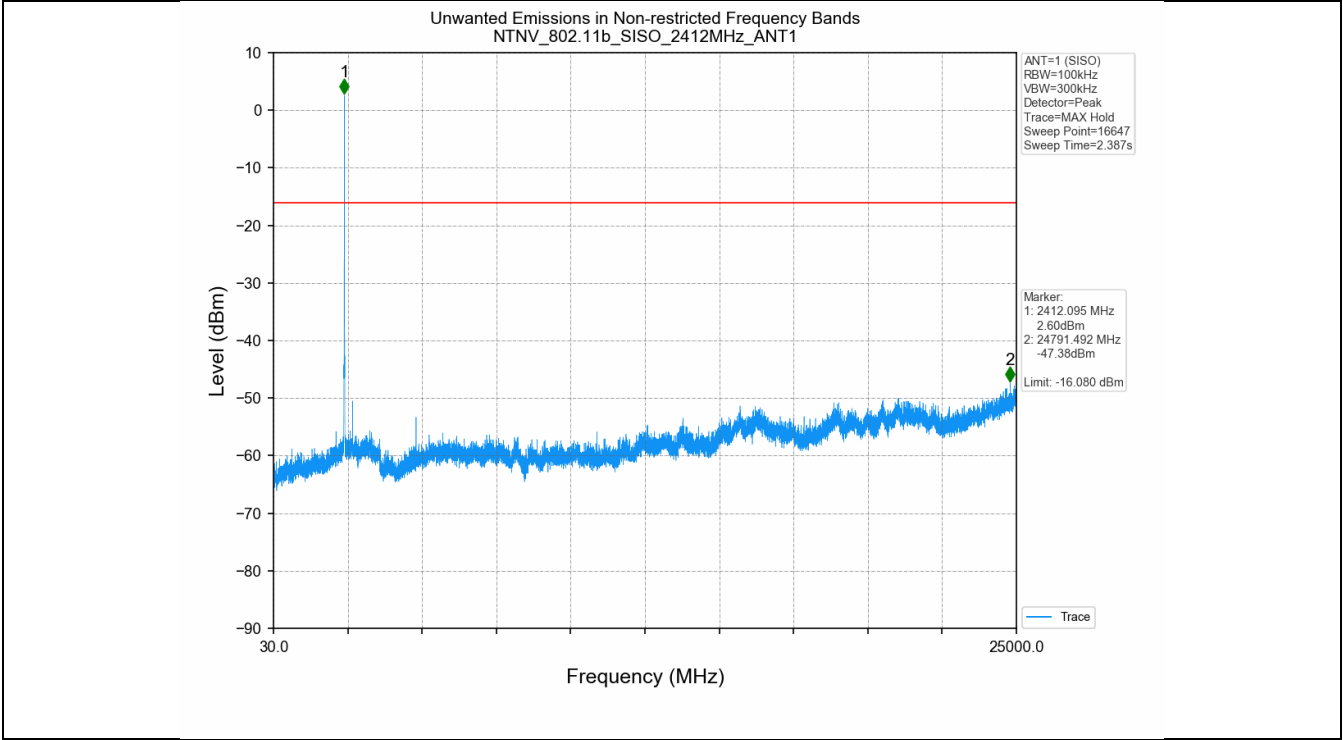
5. Unwanted Emissions in Non-restricted Frequency Bands

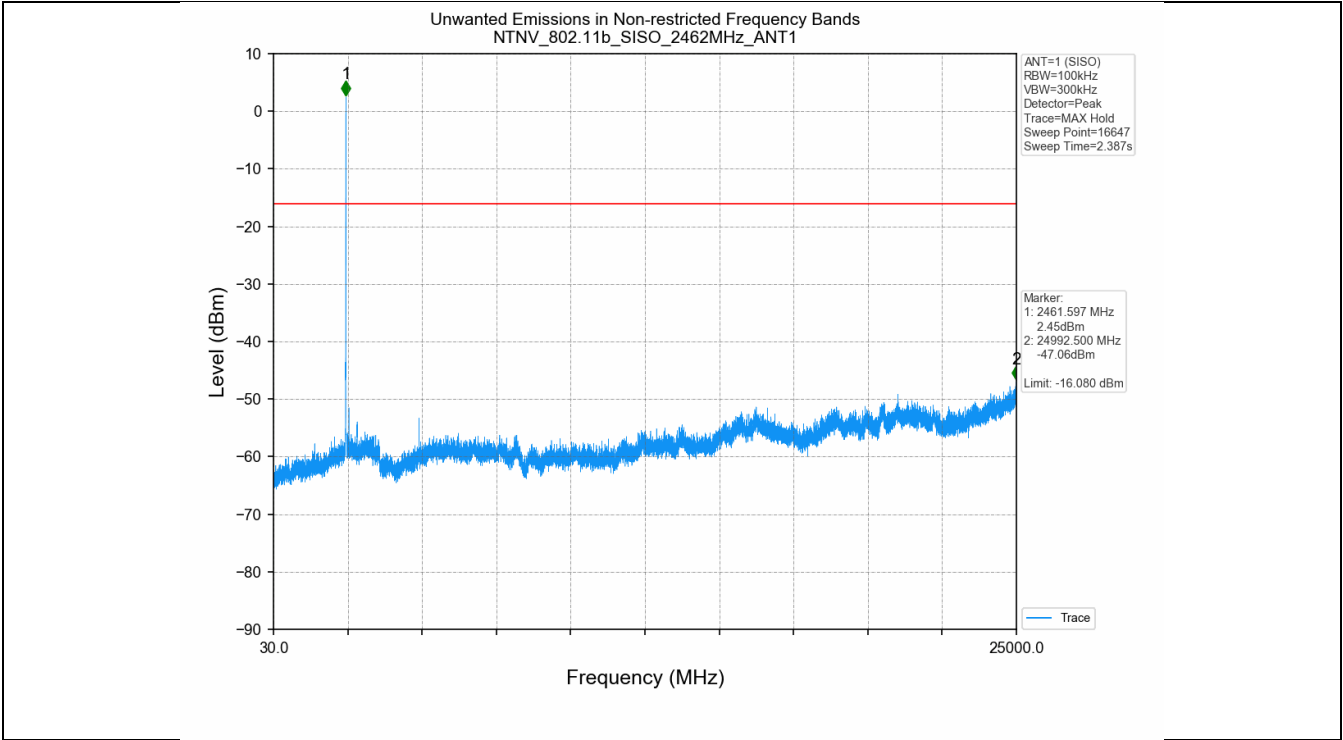
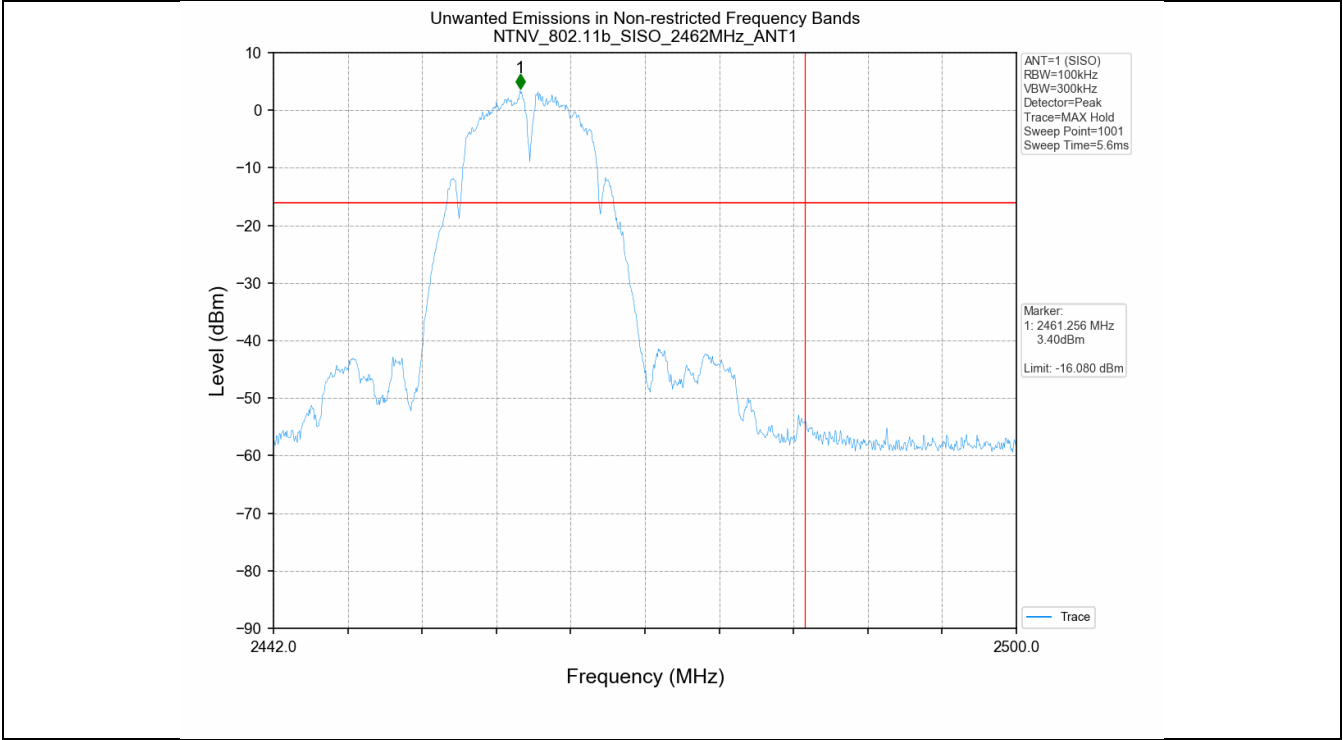
5.1 Test Result

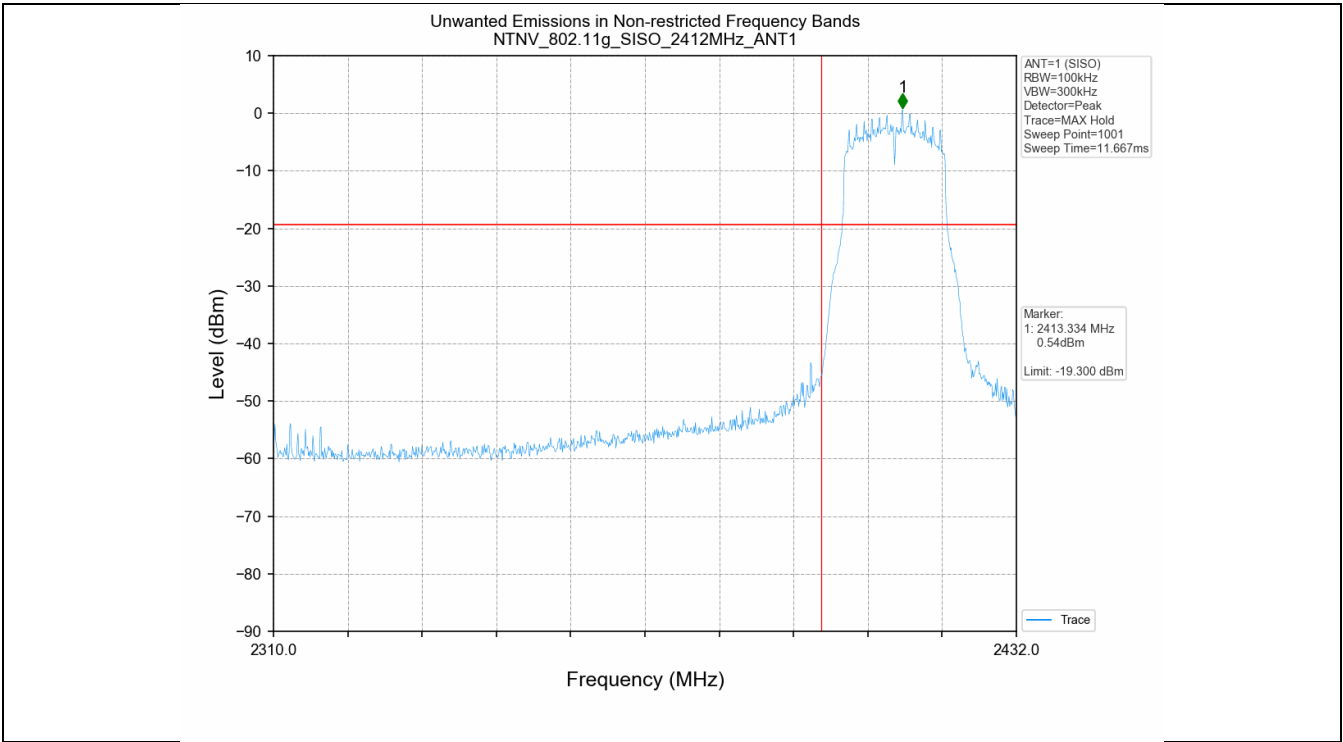
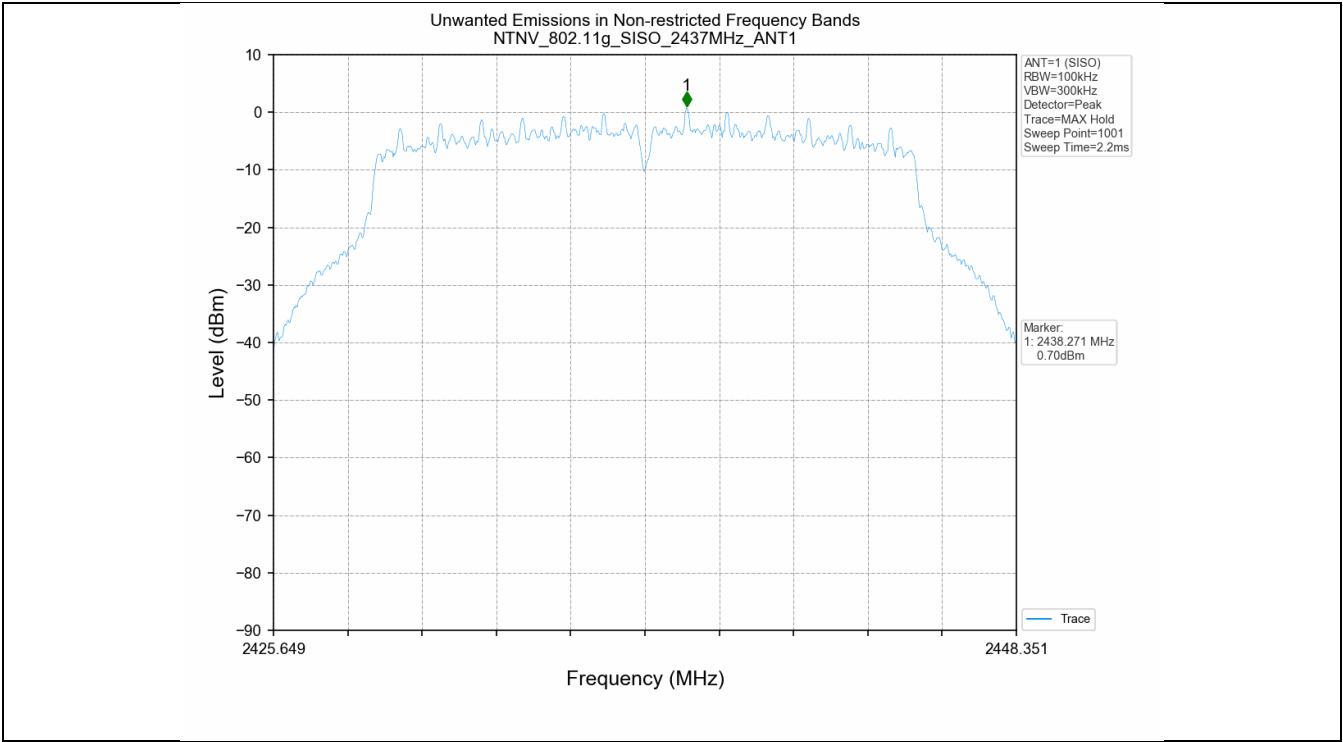
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-16.08	PASS
	2437	SISO	1	Refer to test graph	-16.08	PASS
	2462	SISO	1	Refer to test graph	-16.08	PASS
802.11g	2412	SISO	1	Refer to test graph	-19.30	PASS
	2437	SISO	1	Refer to test graph	-19.30	PASS
	2462	SISO	1	Refer to test graph	-19.30	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-20.30	PASS
	2437	SISO	1	Refer to test graph	-20.30	PASS
	2462	SISO	1	Refer to test graph	-20.30	PASS

5.2 Test Graph

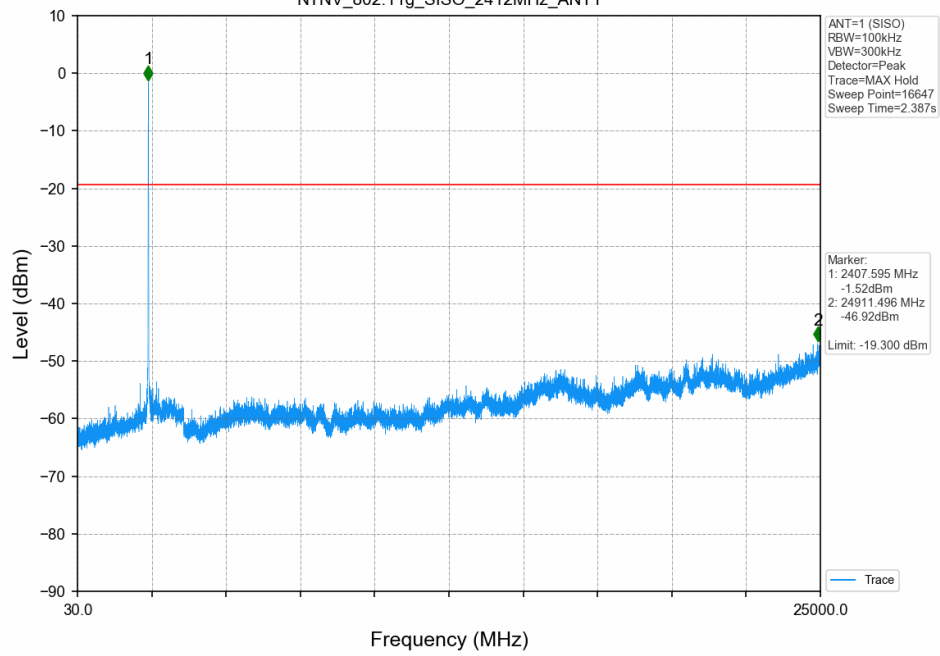








Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2412MHz_ANT1



Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2437MHz_ANT1

