

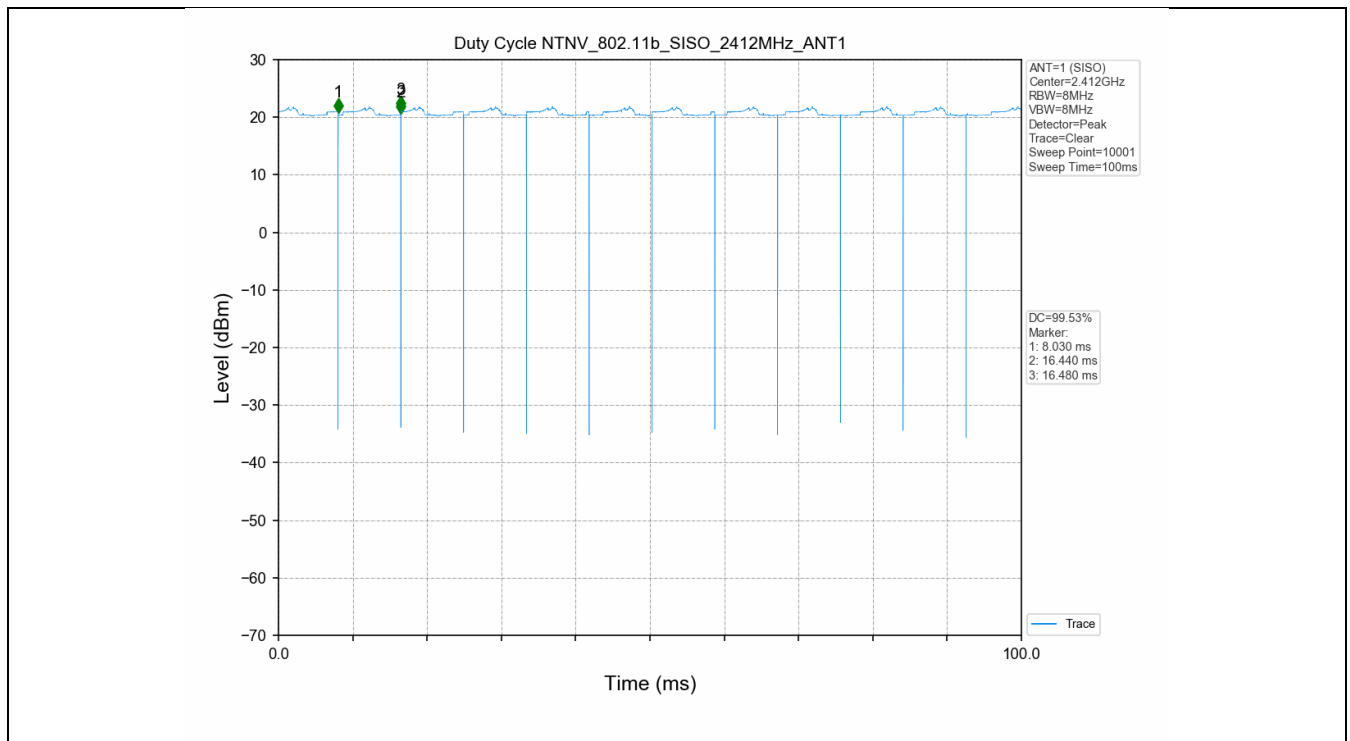
Appendix A for KSEM200800092901

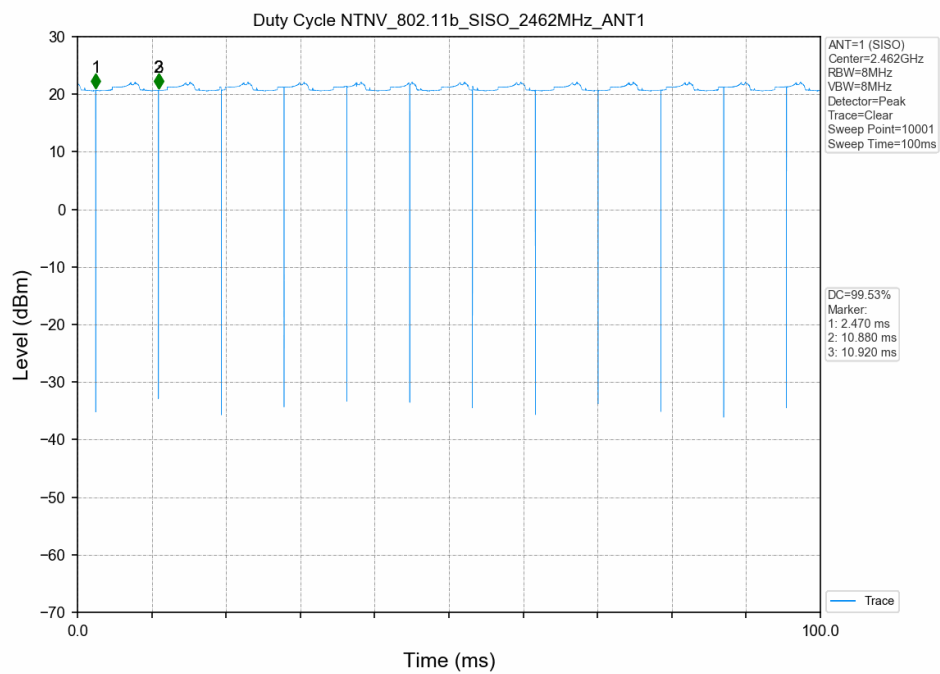
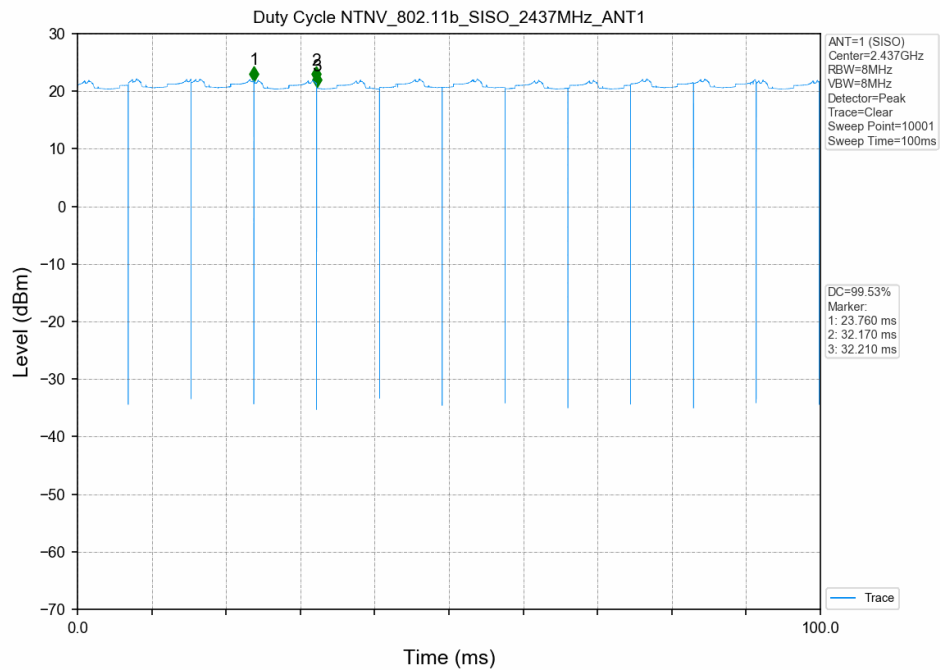
1. Duty Cycle

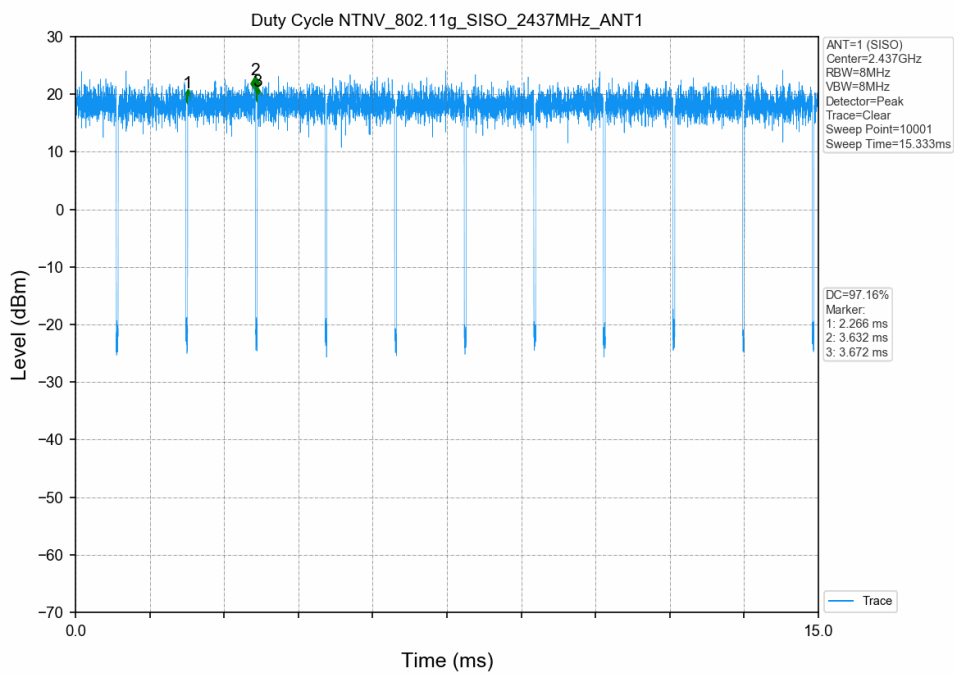
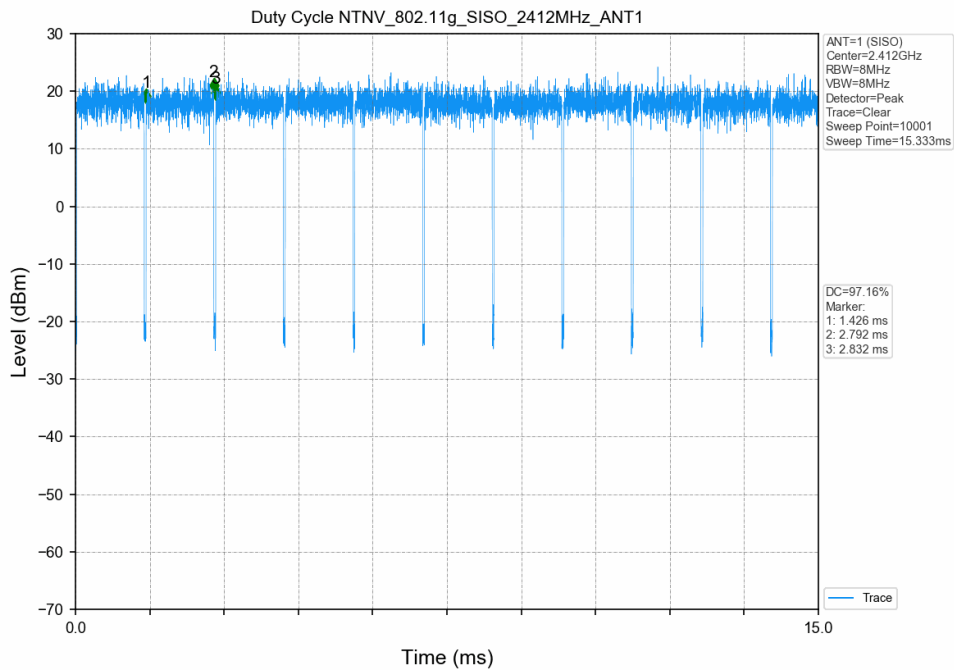
1.1 Test Result

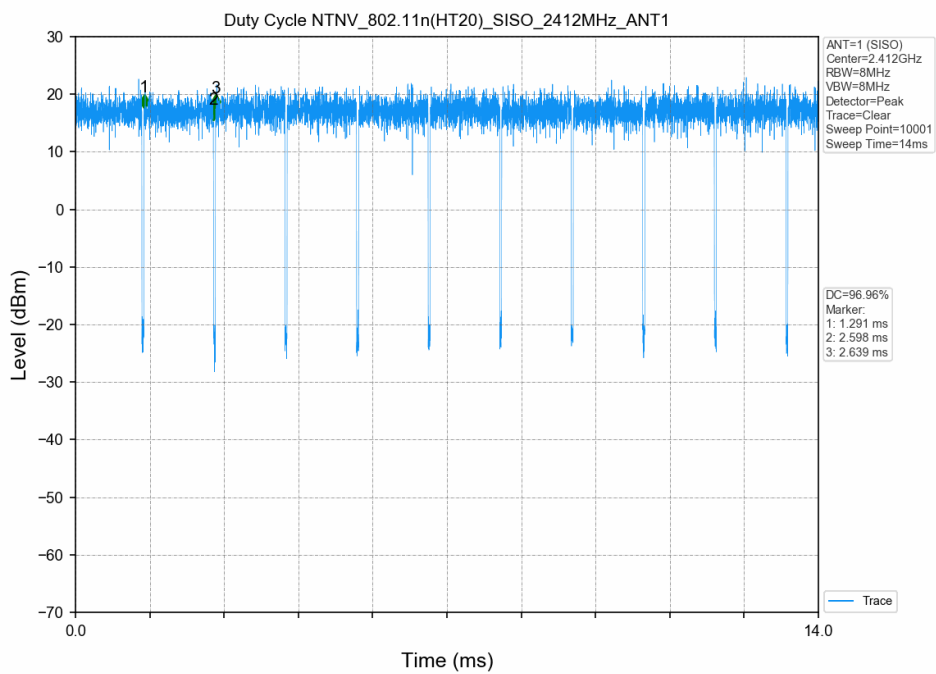
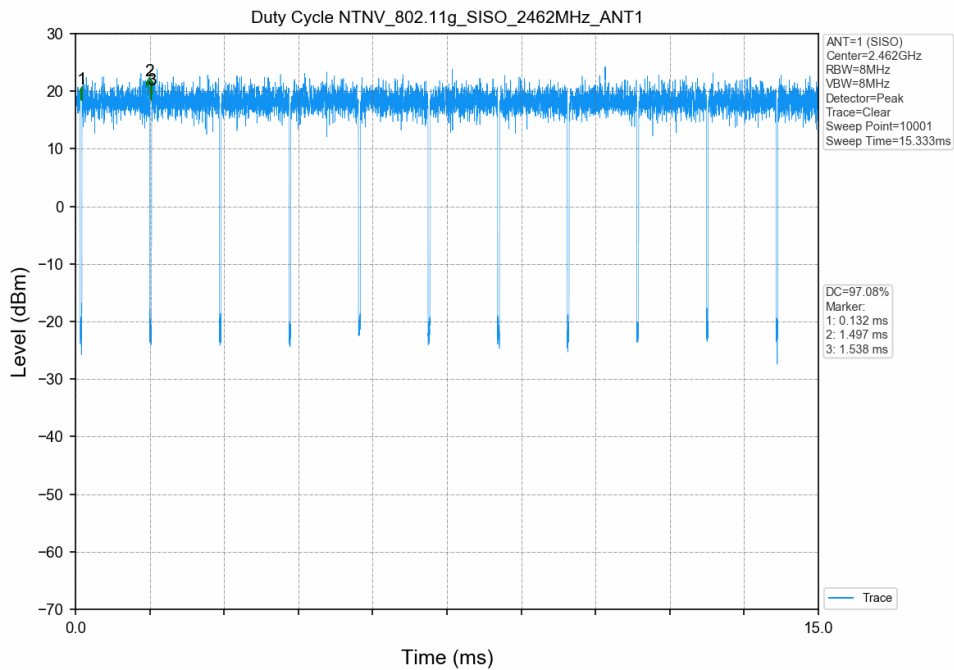
Test Mode	Channel Frequency(M Hz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	8.410	8.450	99.53	0.02
	2437	SISO	1	8.410	8.450	99.53	0.02
	2462	SISO	1	8.410	8.450	99.53	0.02
802.11g	2412	SISO	1	1.366	1.406	97.16	0.13
	2437	SISO	1	1.366	1.406	97.16	0.13
	2462	SISO	1	1.365	1.406	97.08	0.13
802.11n(HT20)	2412	SISO	1	1.307	1.348	96.96	0.13
	2437	SISO	1	1.308	1.349	96.96	0.13
	2462	SISO	1	1.307	1.348	96.96	0.13

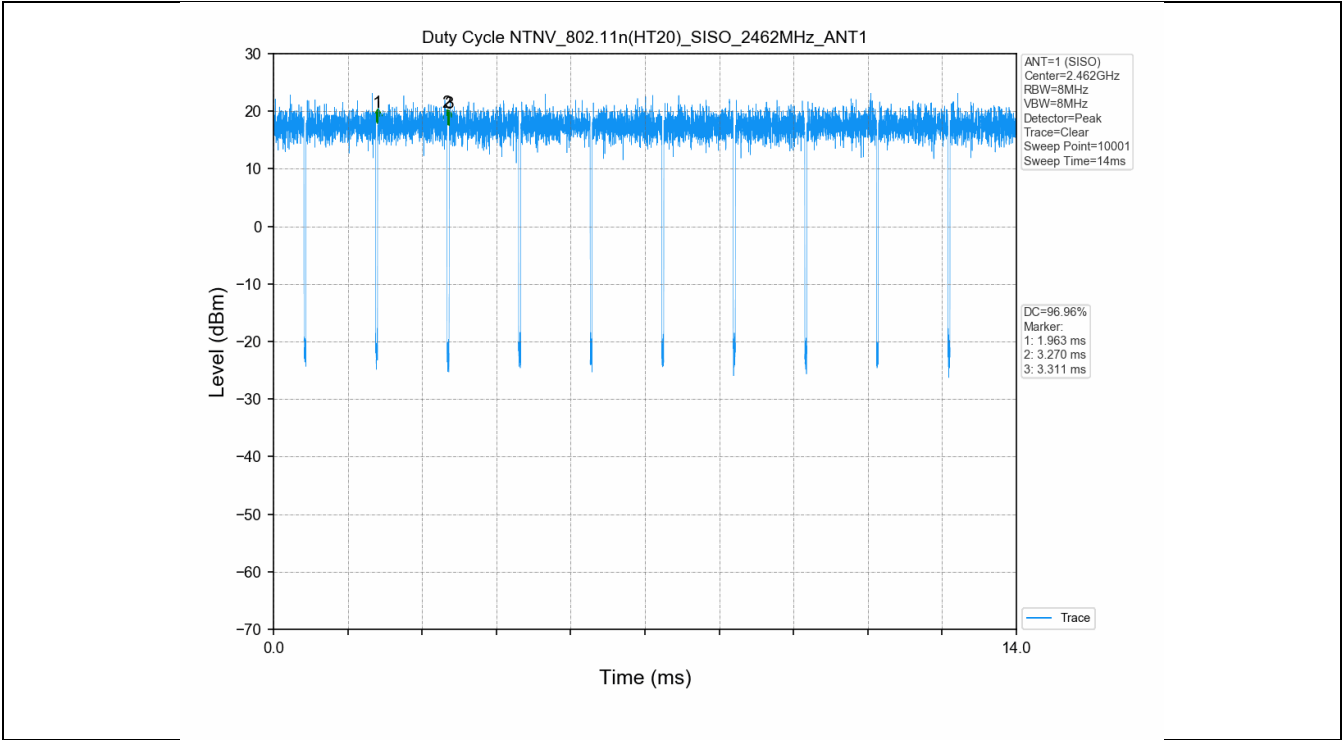
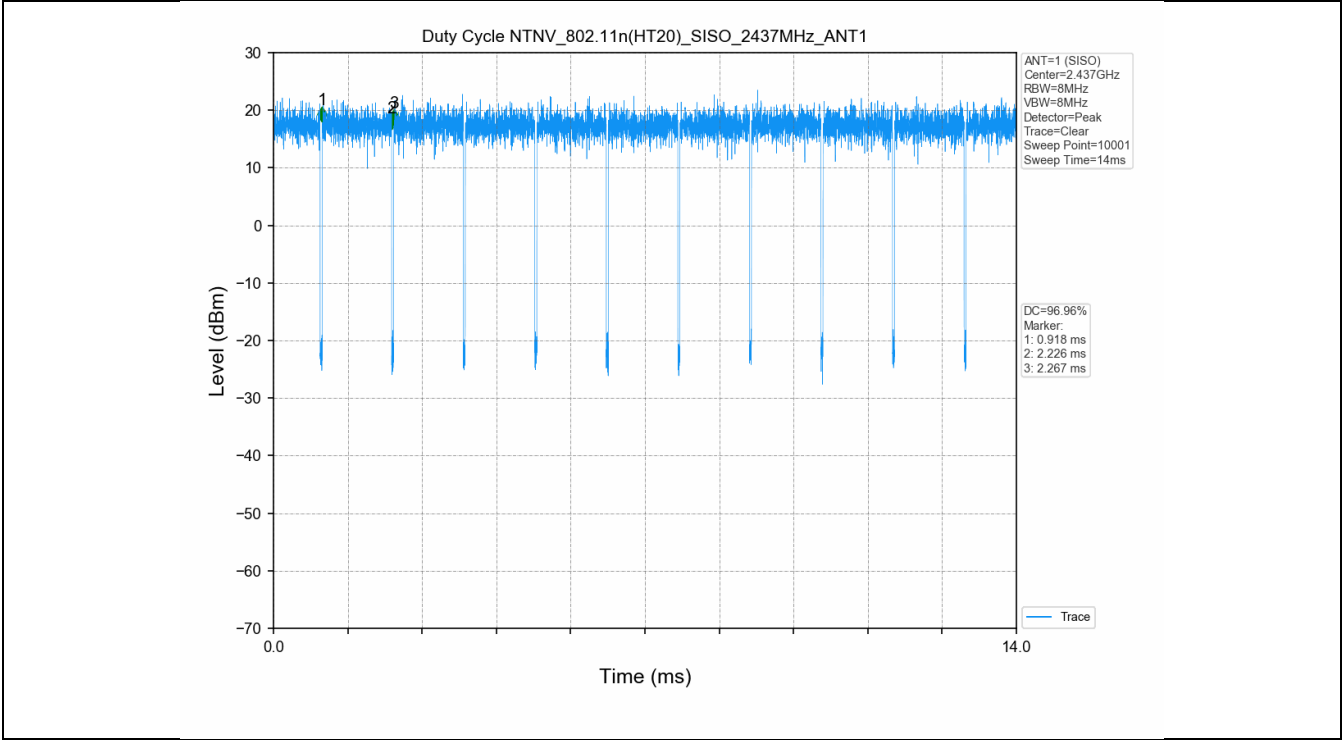
1.2 Test Graph











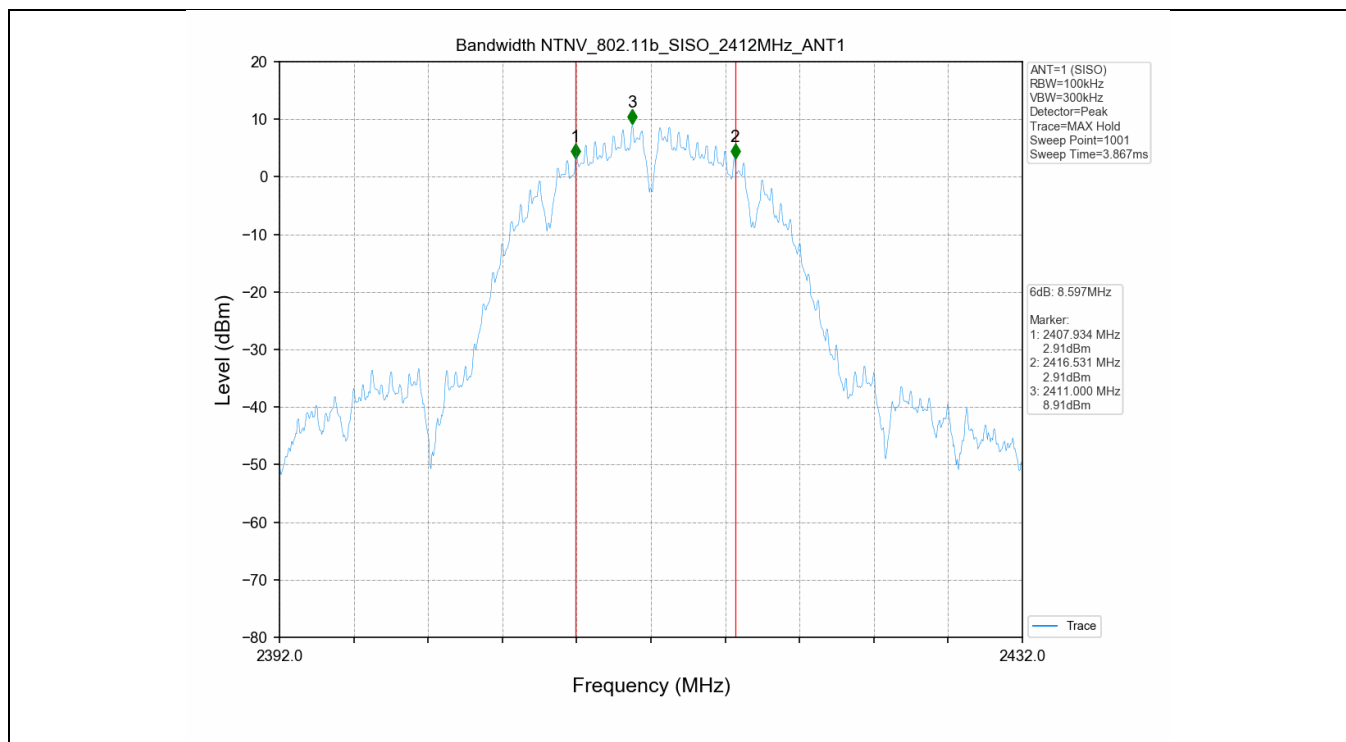
2. Bandwidth

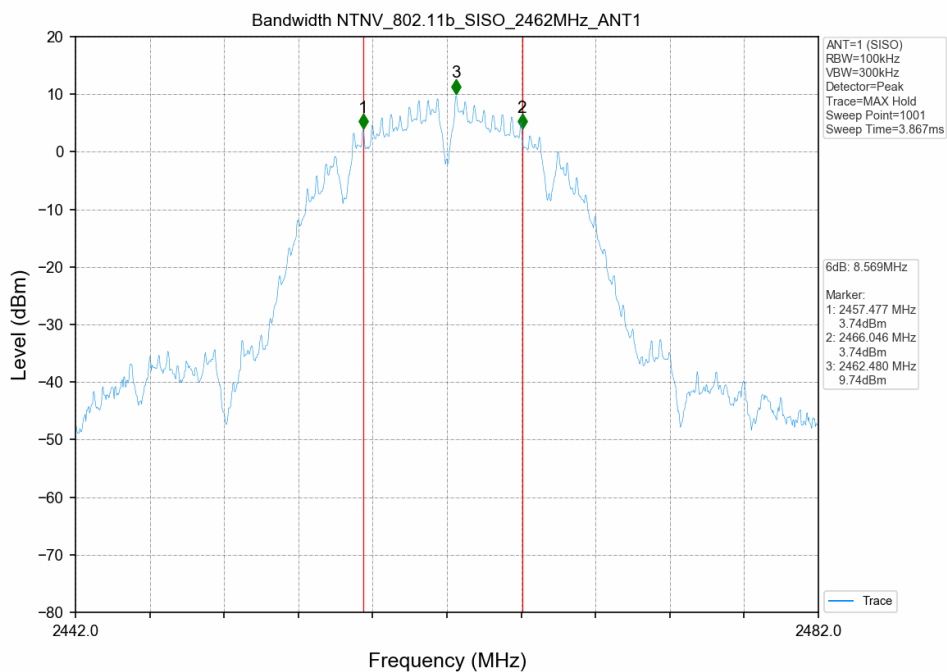
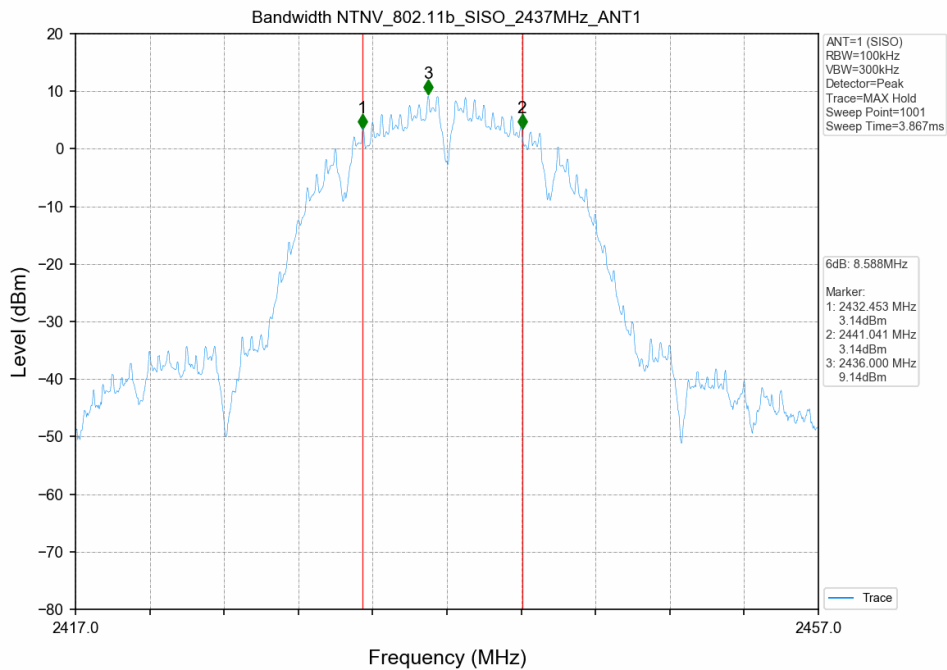
2.1 Test Result

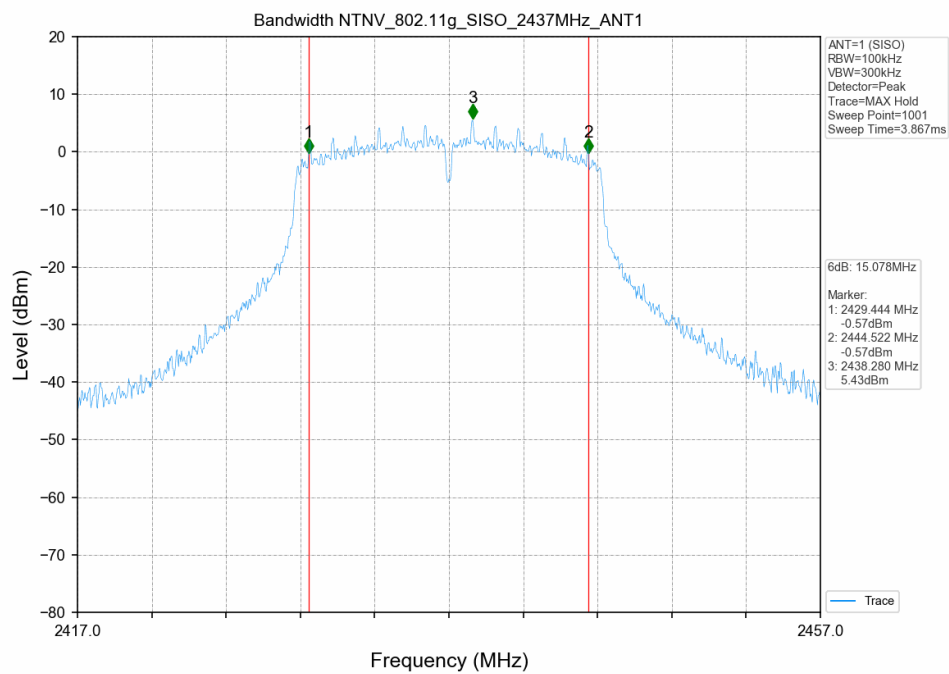
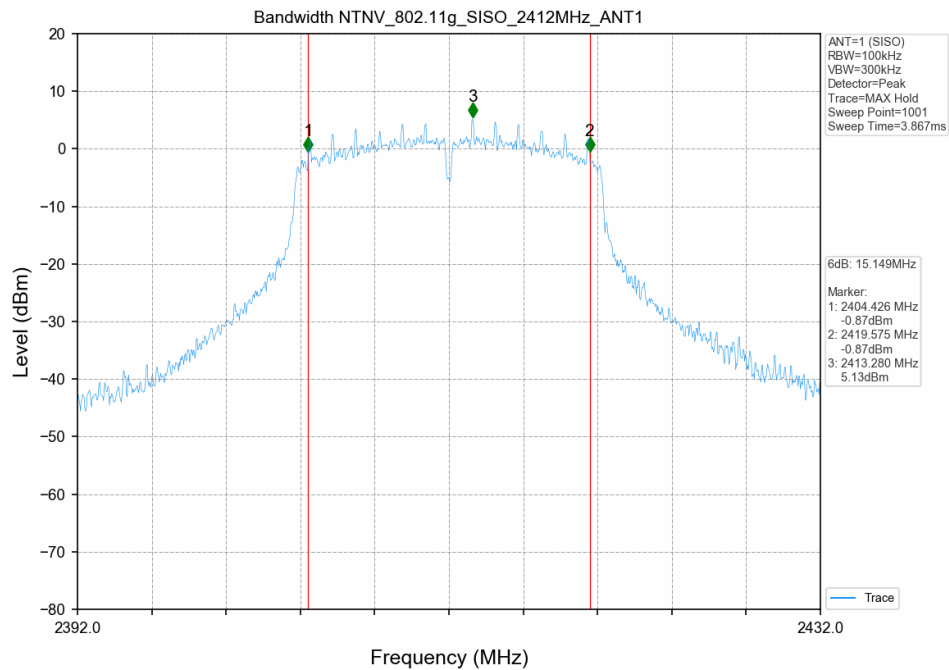
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	8.597	≥ 0.5	PASS
	2437	SISO	1	8.588	≥ 0.5	PASS
	2462	SISO	1	8.569	≥ 0.5	PASS
802.11g	2412	SISO	1	15.149	≥ 0.5	PASS
	2437	SISO	1	15.078	≥ 0.5	PASS
	2462	SISO	1	14.758	≥ 0.5	PASS
802.11n(HT20)	2412	SISO	1	15.098	≥ 0.5	PASS
	2437	SISO	1	15.147	≥ 0.5	PASS
	2462	SISO	1	15.151	≥ 0.5	PASS

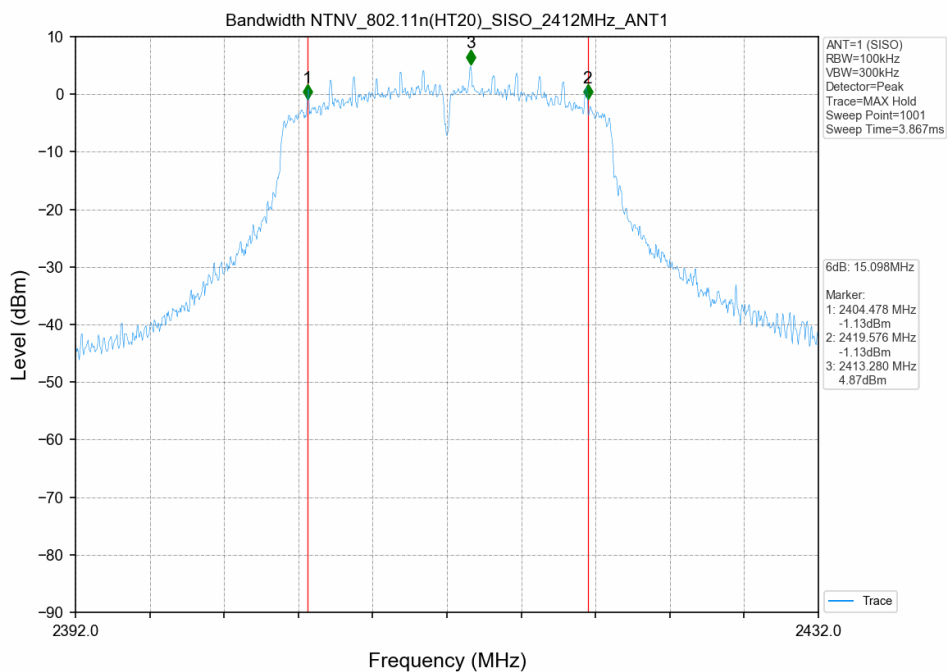
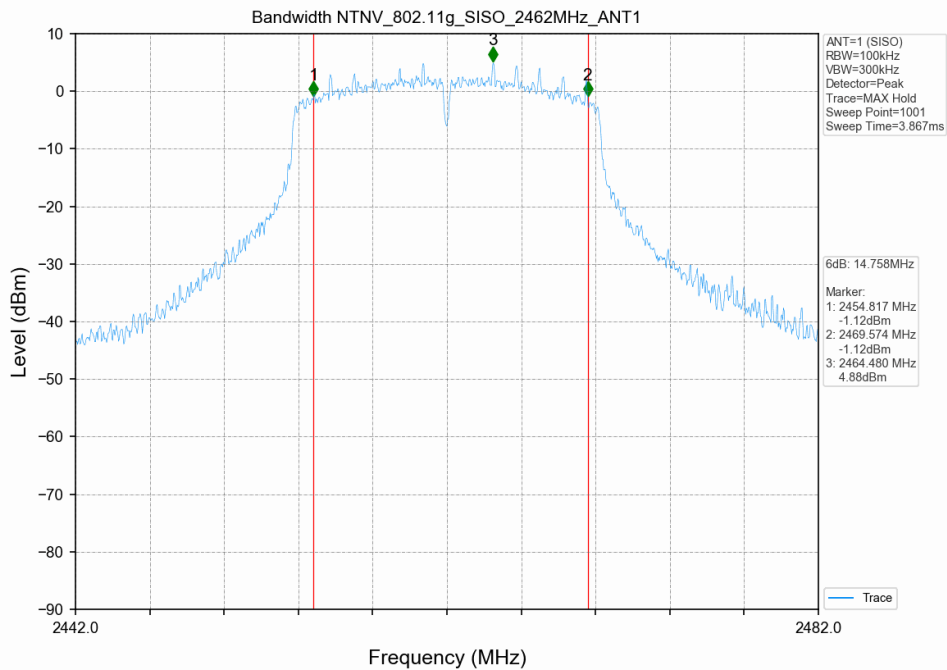
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	13.976	Only for Report Use
	2437	SISO	1	13.980	Only for Report Use
	2462	SISO	1	13.960	Only for Report Use
802.11g	2412	SISO	1	16.476	Only for Report Use
	2437	SISO	1	16.507	Only for Report Use
	2462	SISO	1	16.472	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.543	Only for Report Use
	2437	SISO	1	17.585	Only for Report Use
	2462	SISO	1	17.564	Only for Report Use

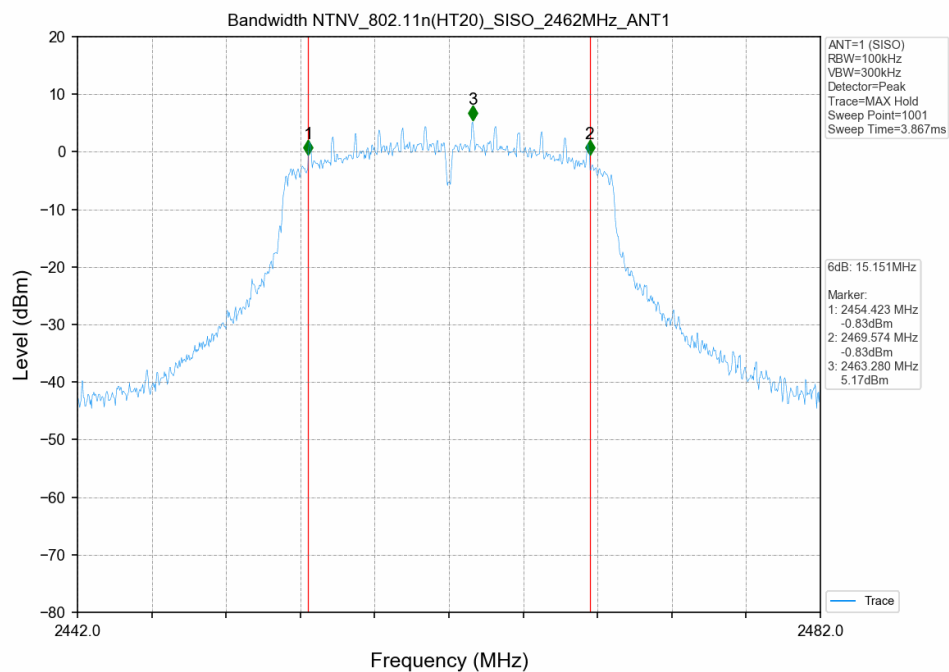
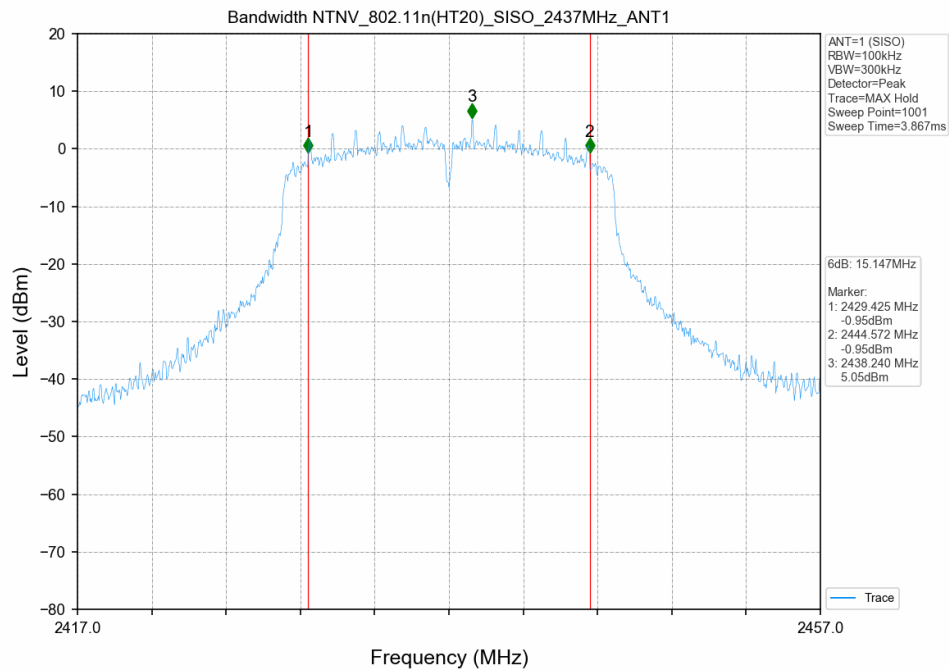
2.2 Test Graph - 6dB Bandwidth



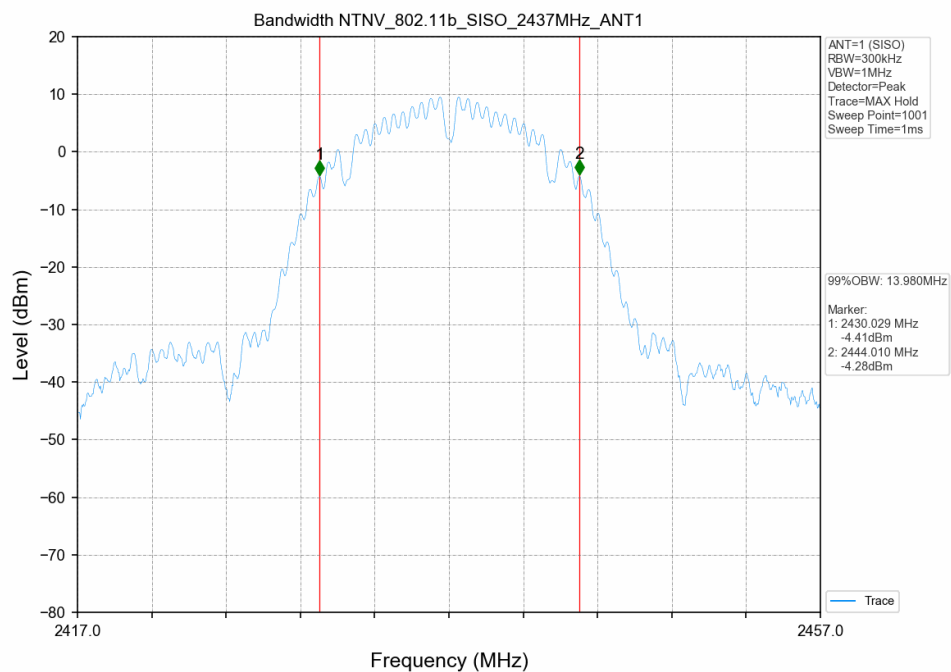
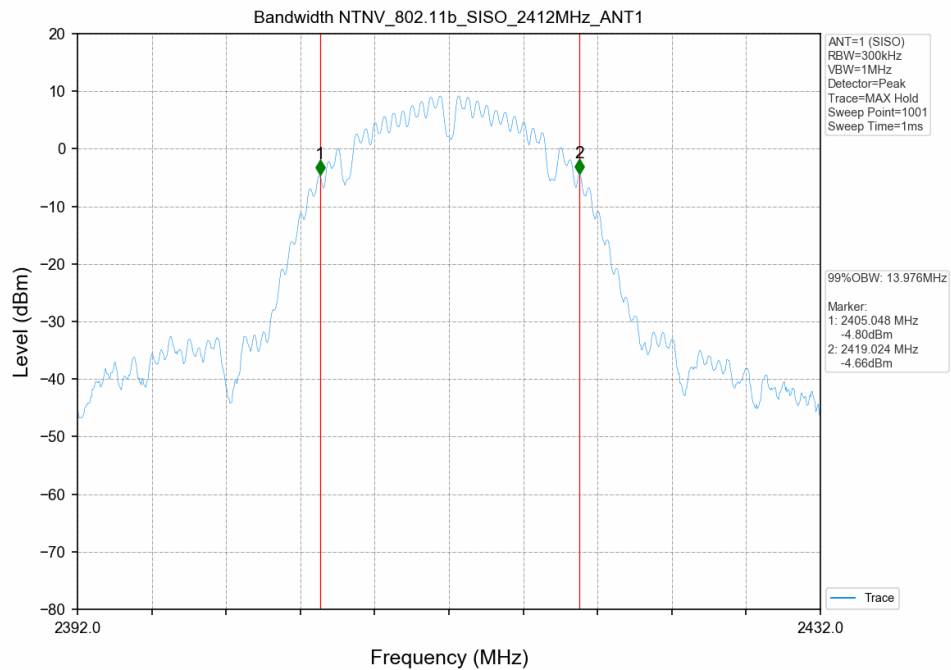


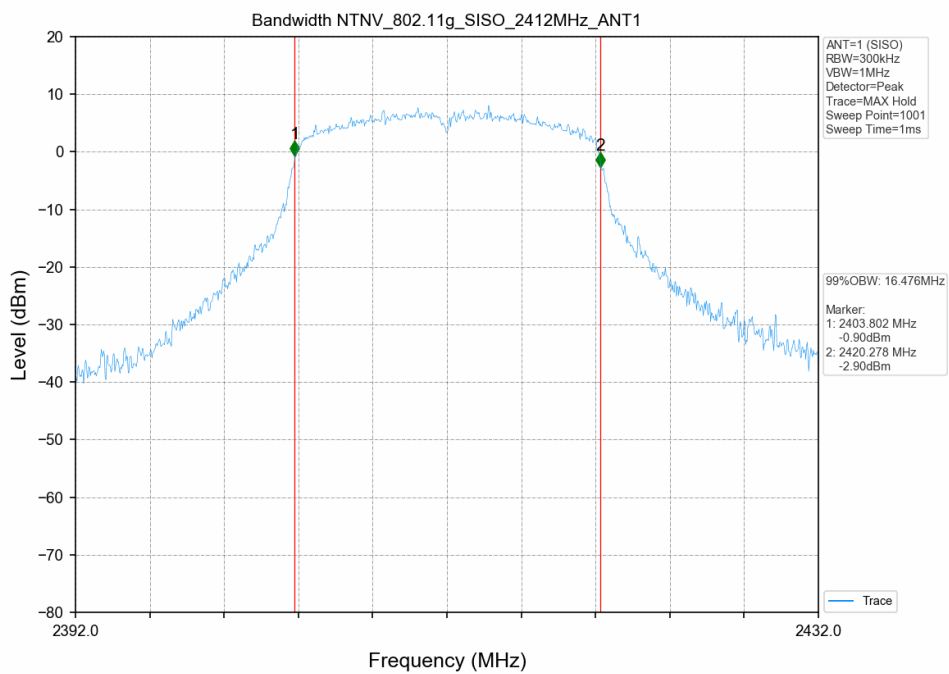
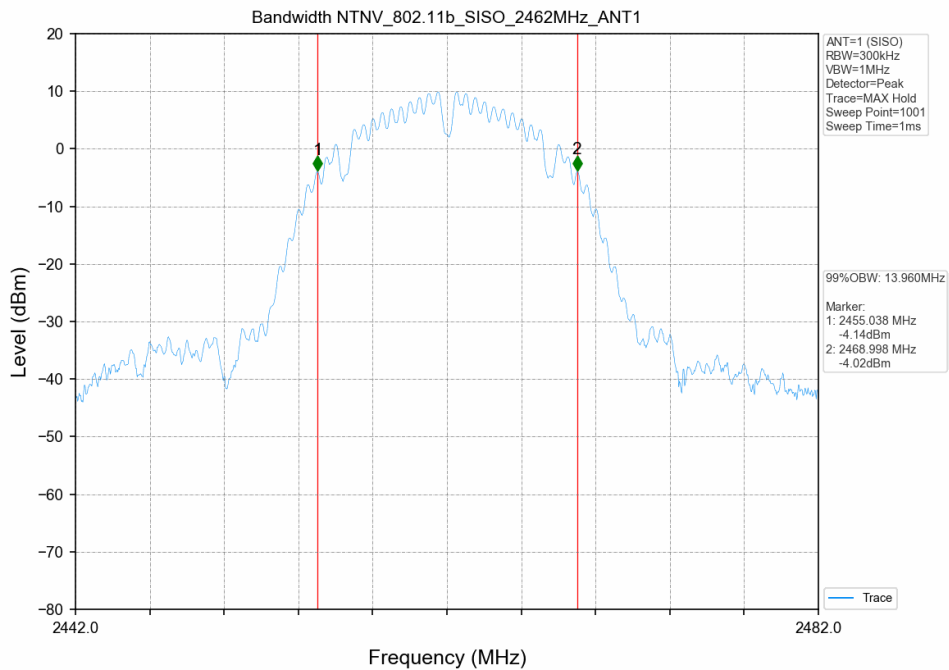


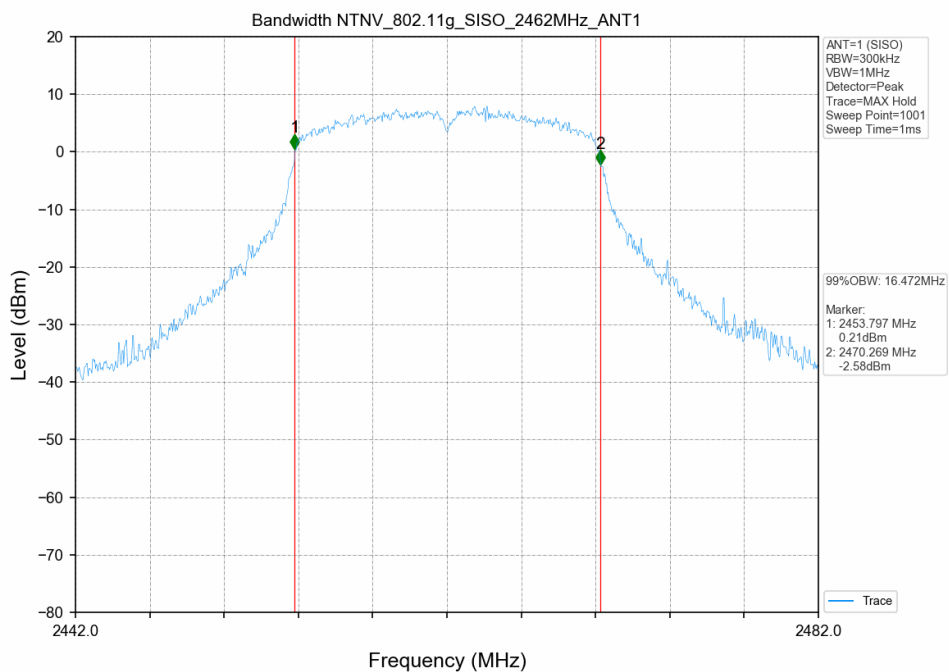
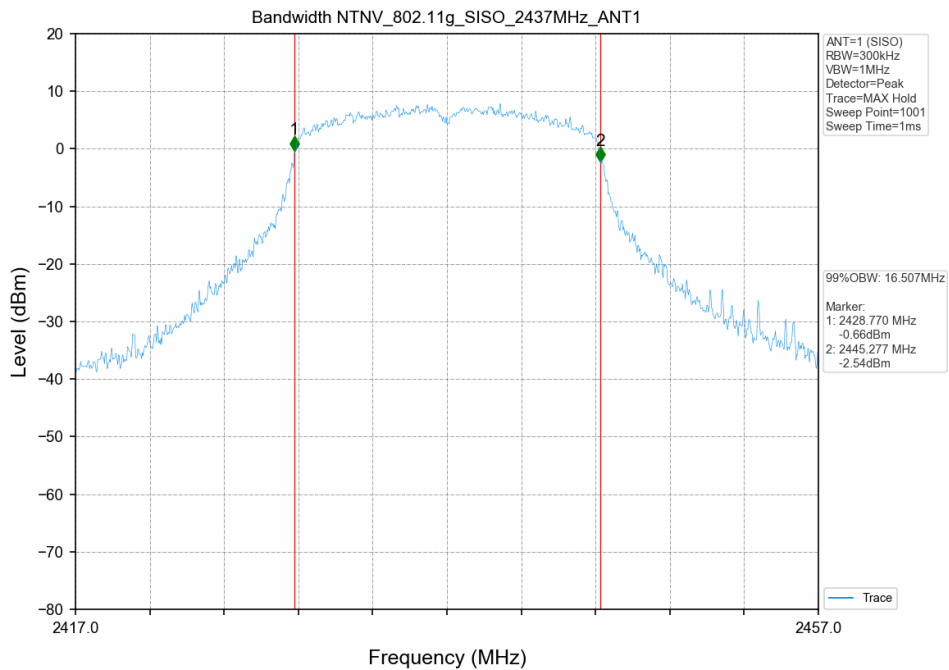


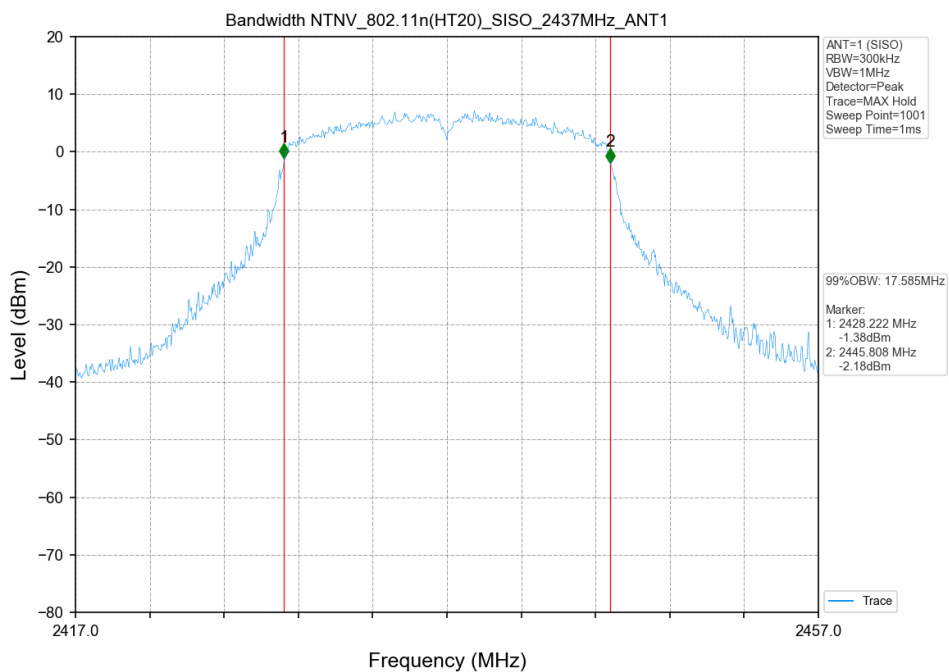
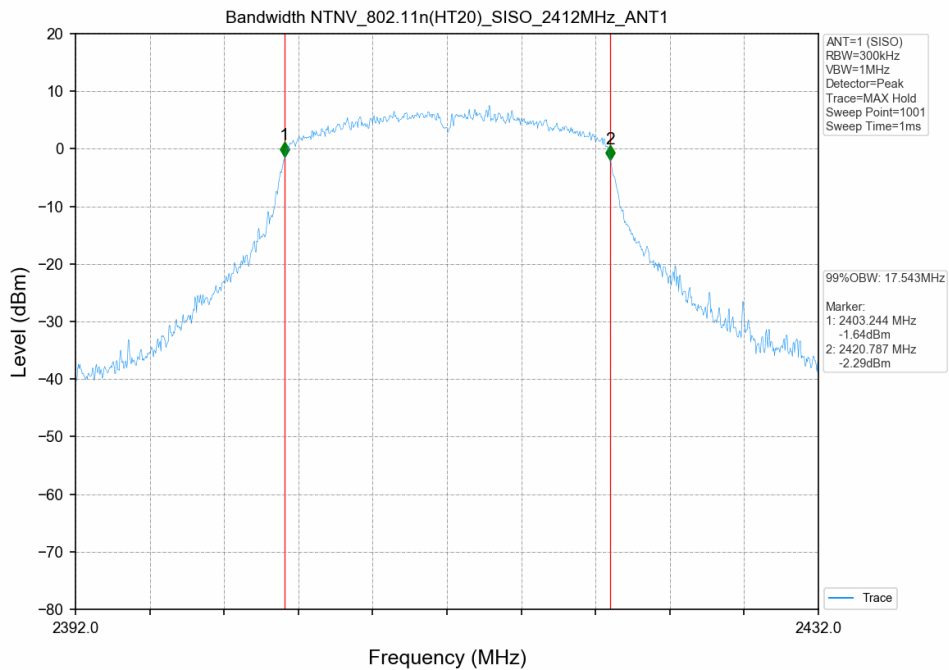


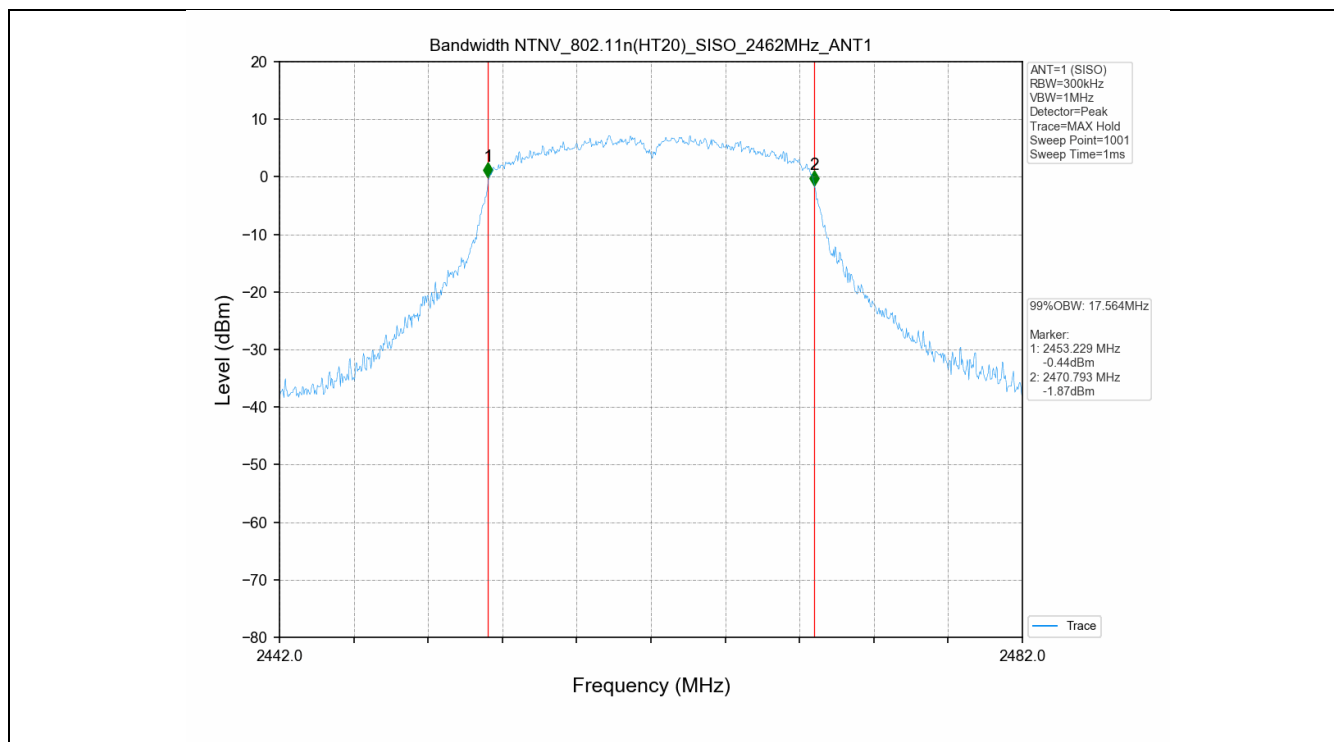
2.3 Test Graph - 99% Occupied Bandwidth









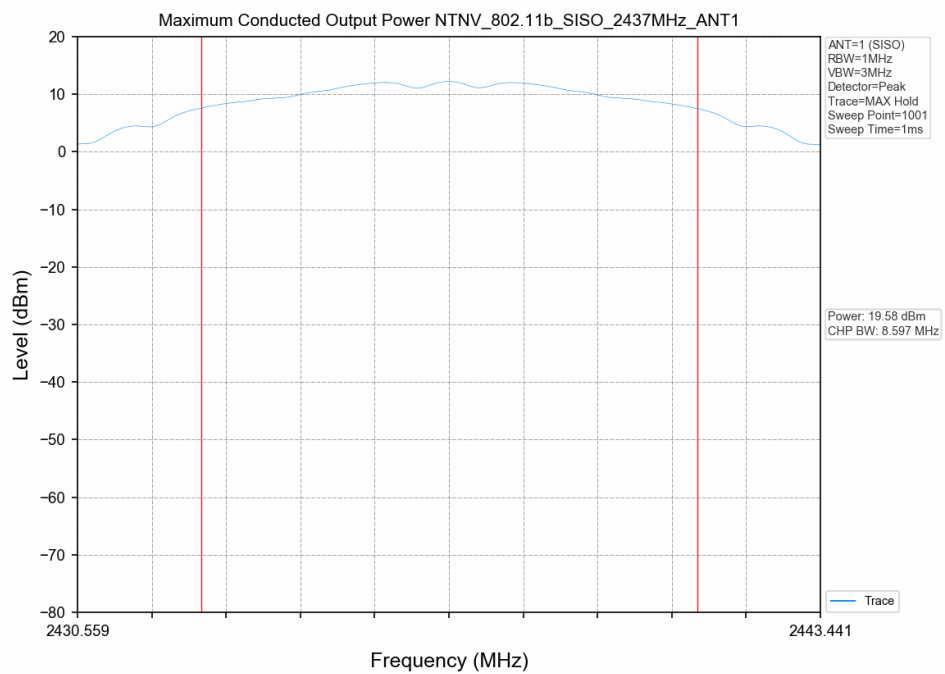
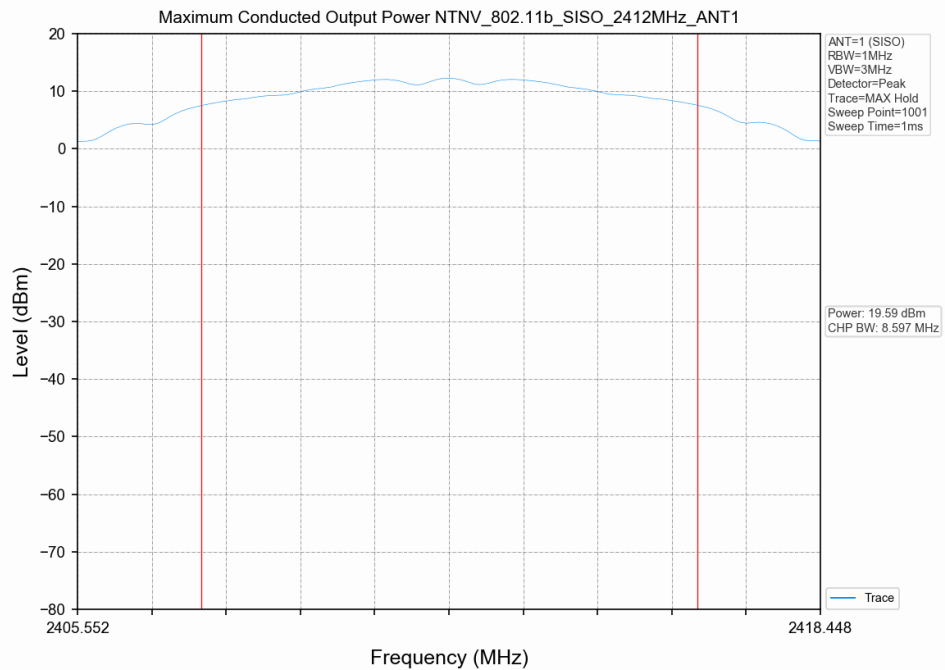


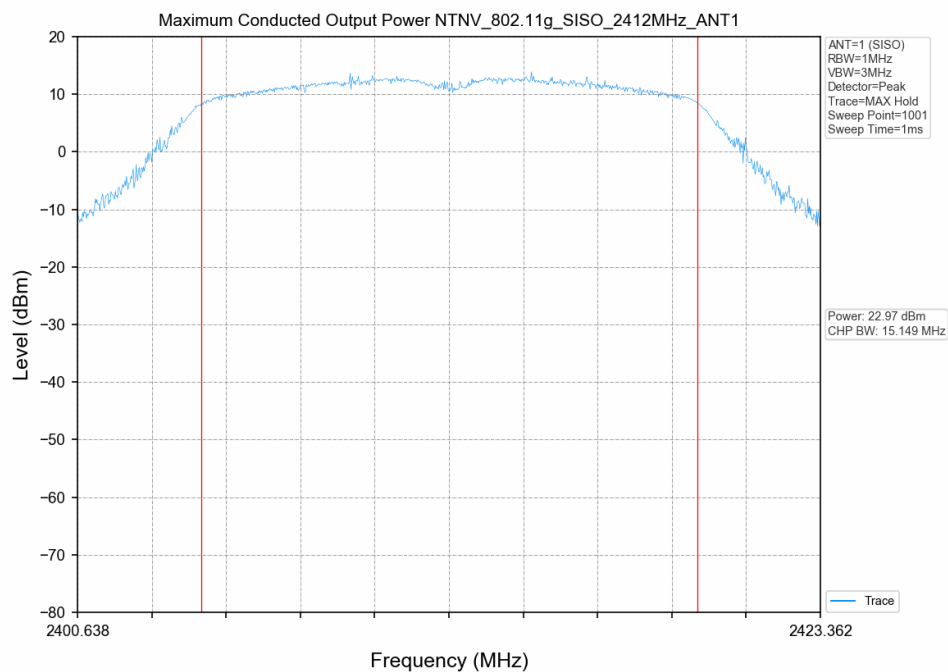
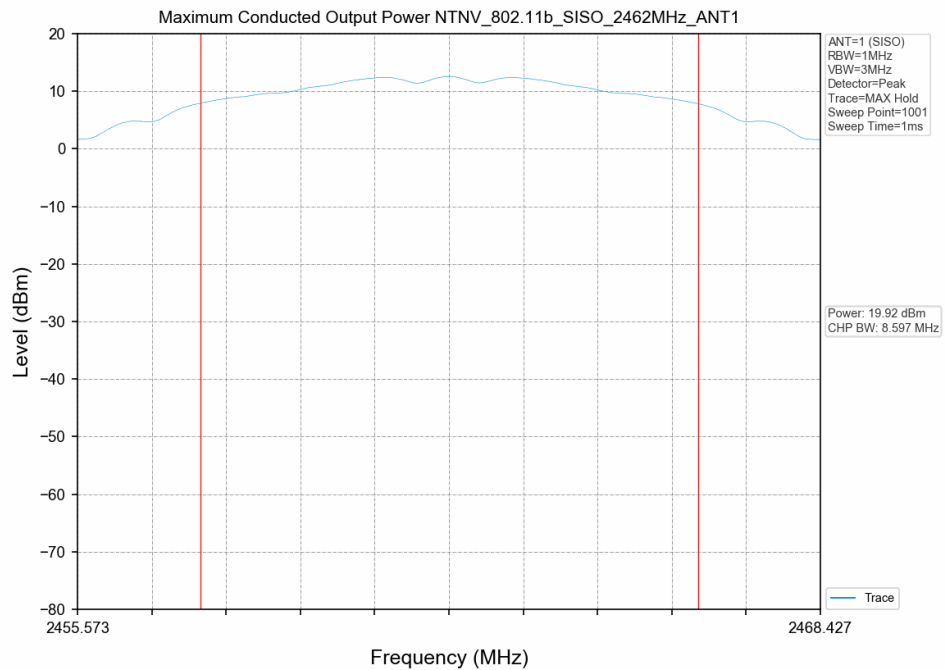
3. Maximum Conducted Output Power

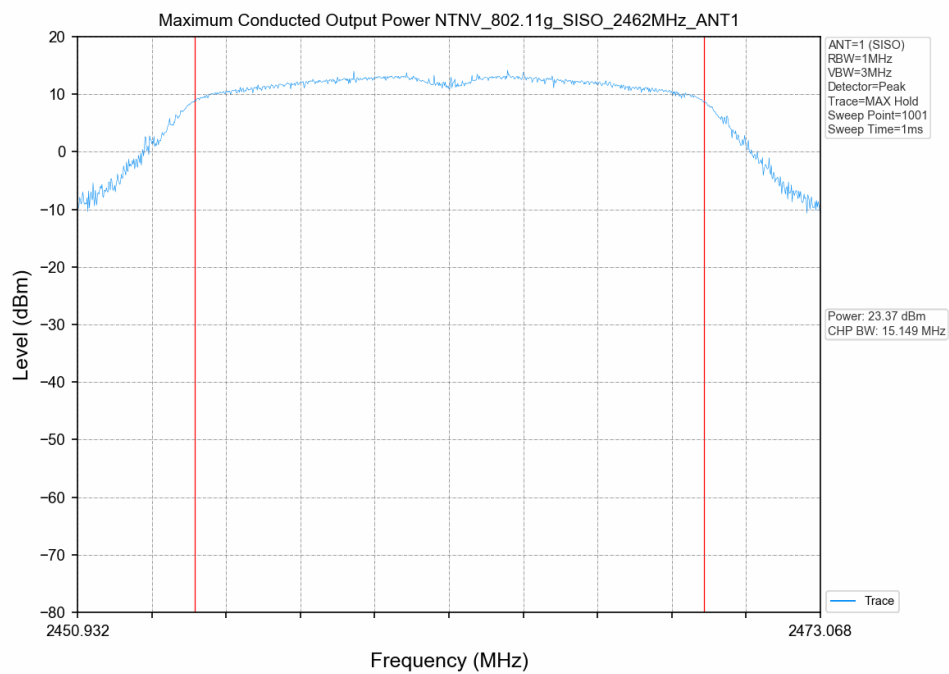
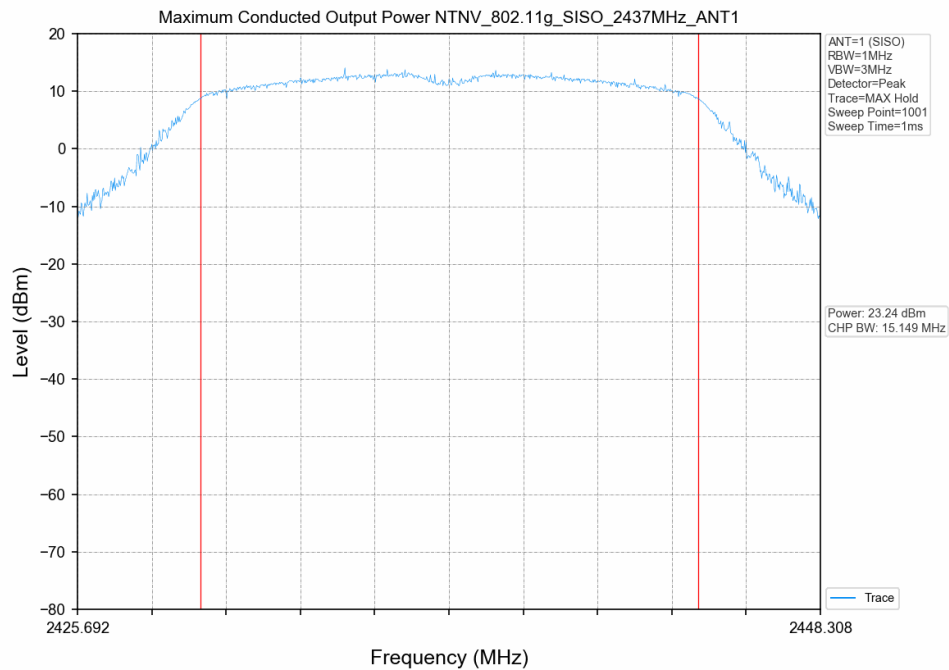
3.1 Test Result

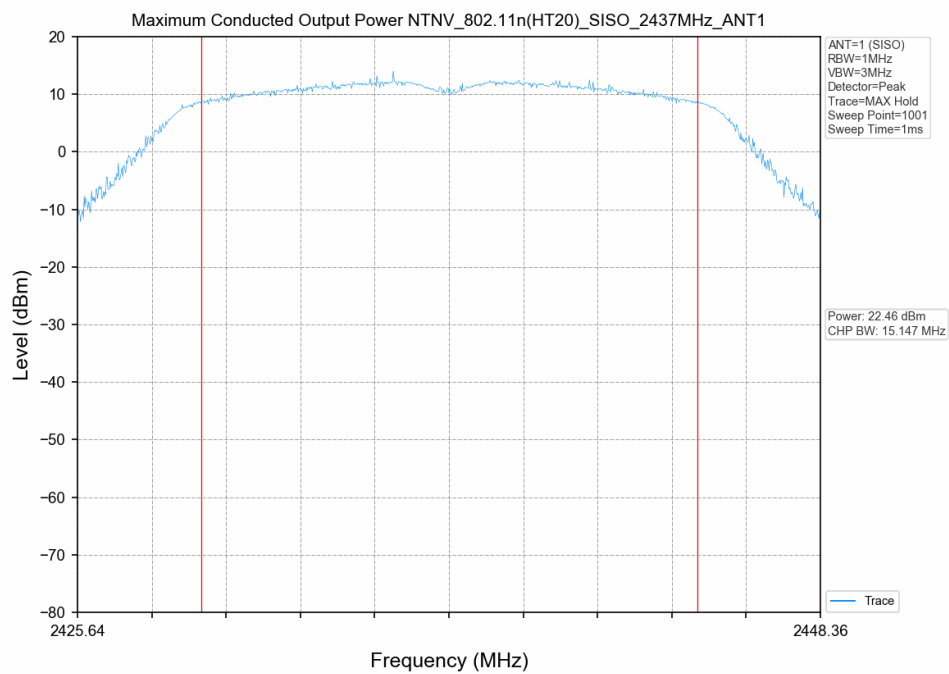
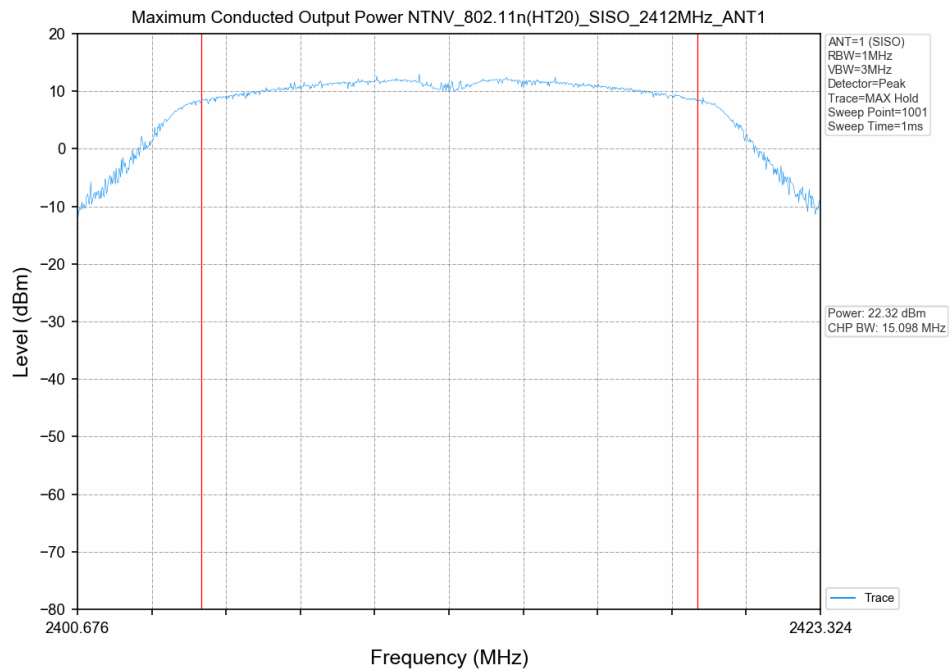
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	19.59	30	PASS
	2437	SISO	19.58	30	PASS
	2462	SISO	19.92	30	PASS
802.11g	2412	SISO	22.97	30	PASS
	2437	SISO	23.24	30	PASS
	2462	SISO	23.37	30	PASS
802.11n(HT20)	2412	SISO	22.32	30	PASS
	2437	SISO	22.46	30	PASS
	2462	SISO	22.66	30	PASS

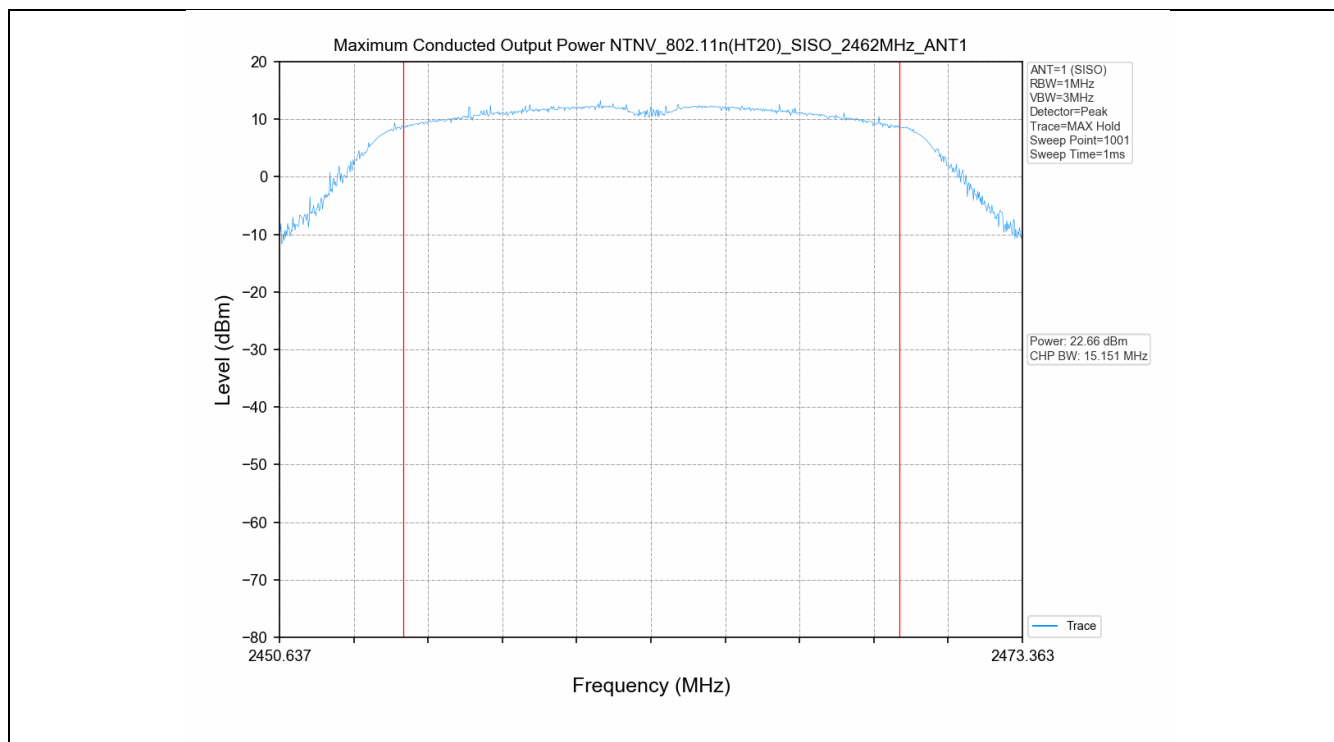
3.2 Test Graph









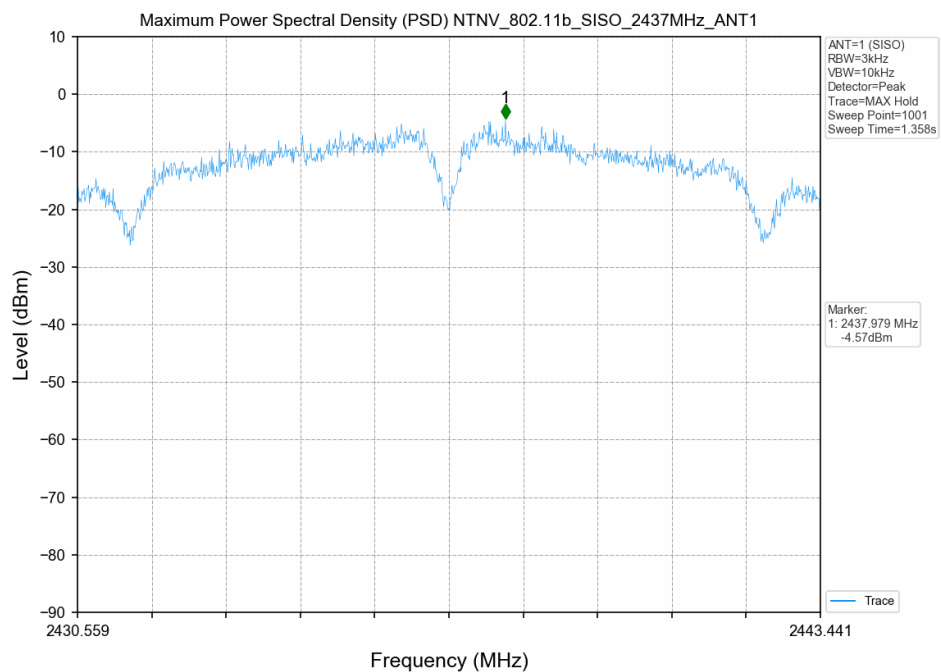
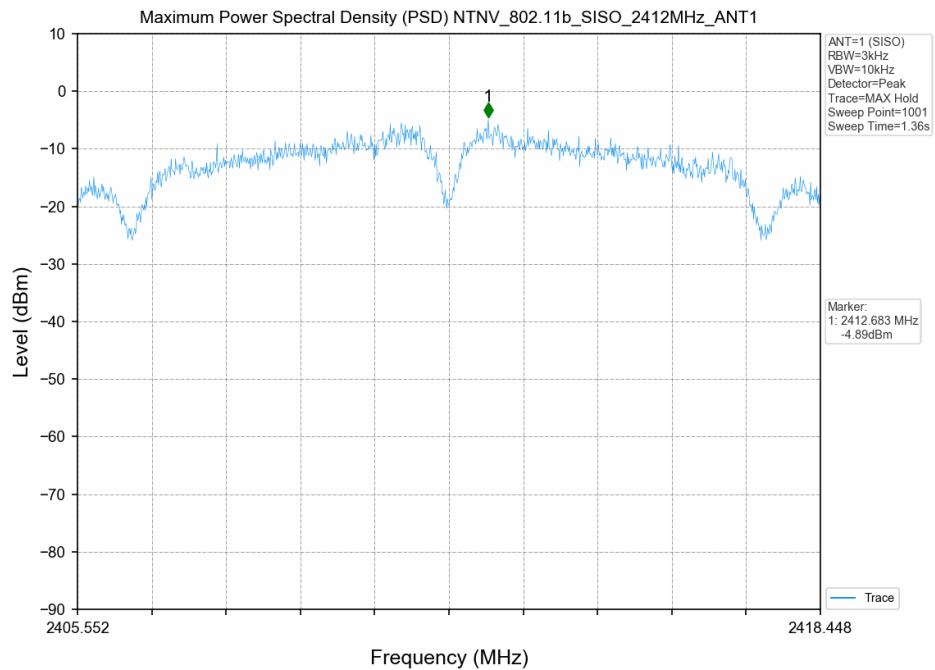


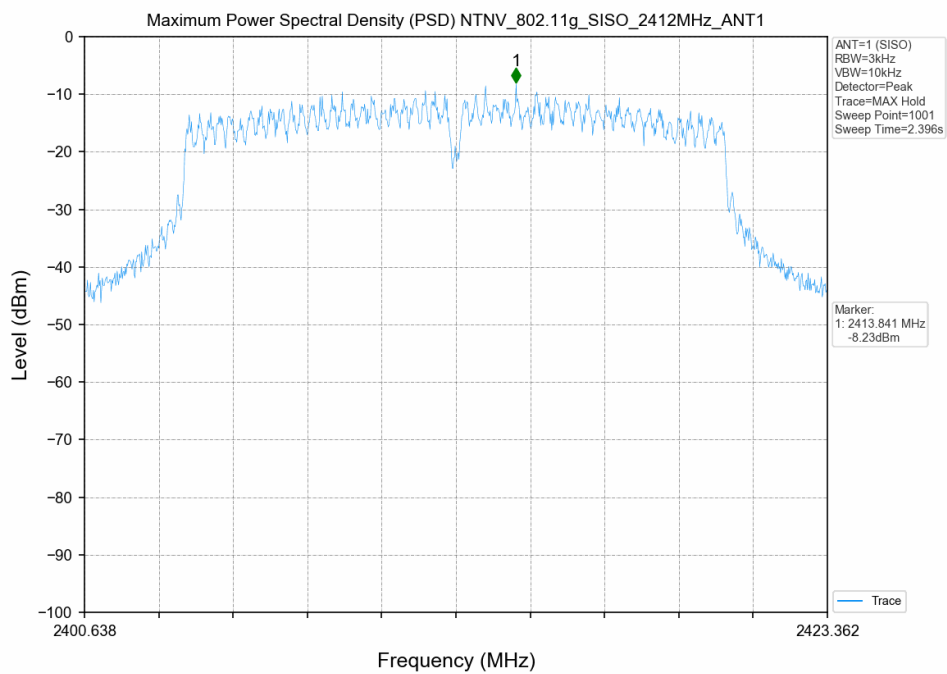
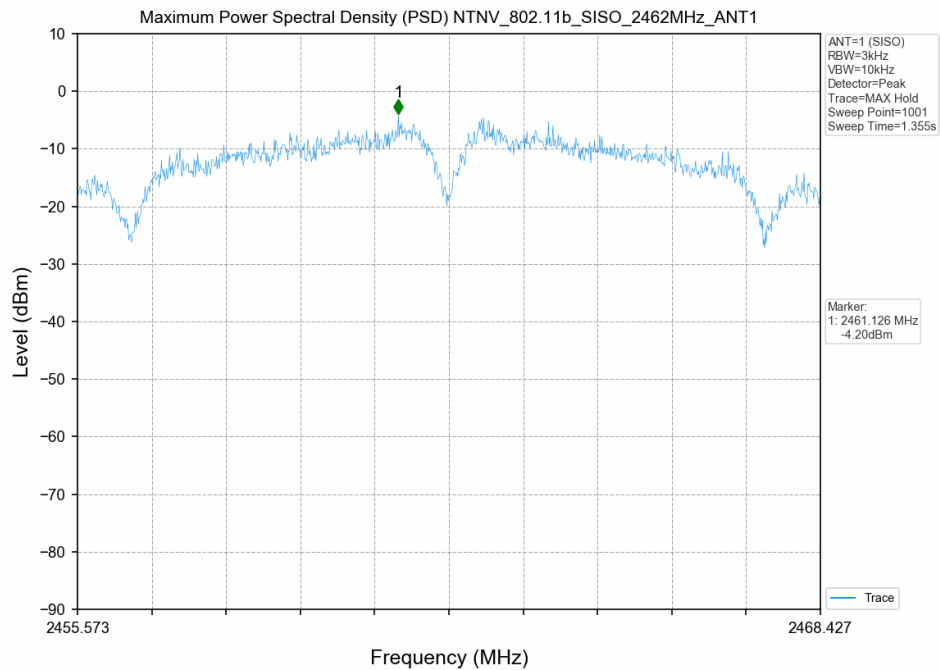
4. Maximum Power Spectral Density (PSD)

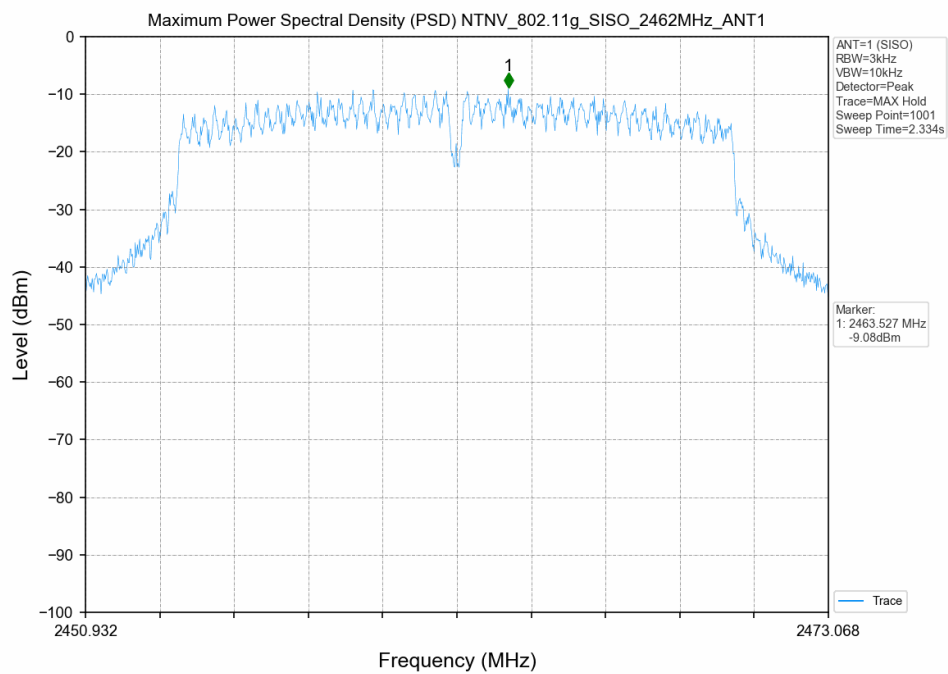
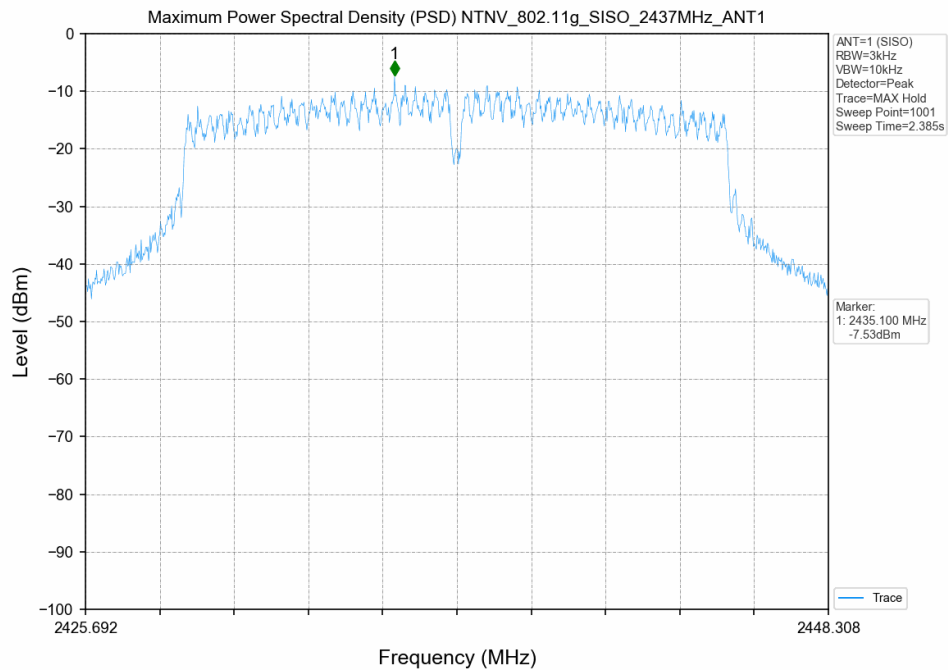
4.1 Test Result

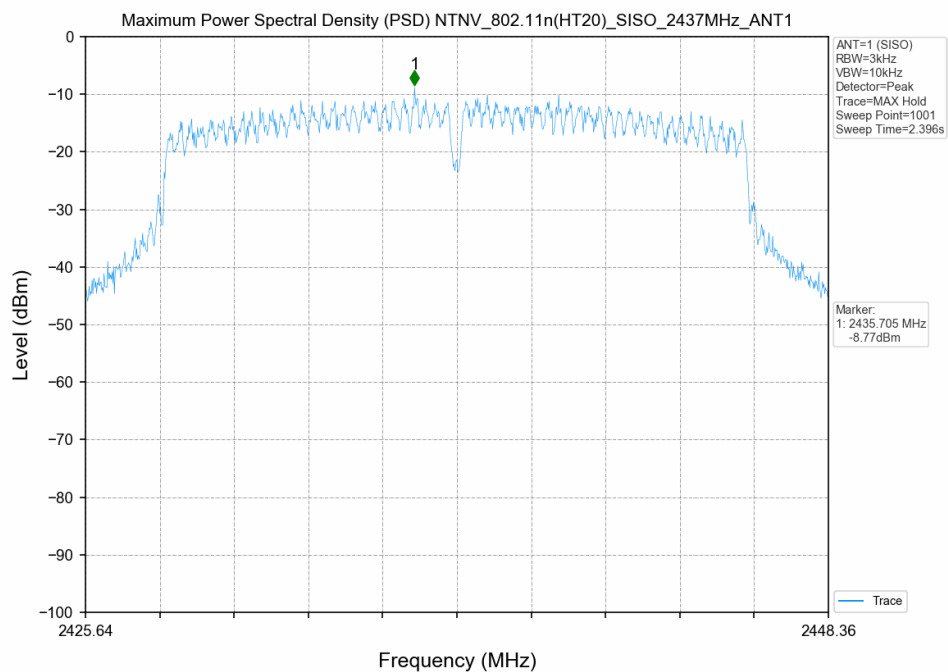
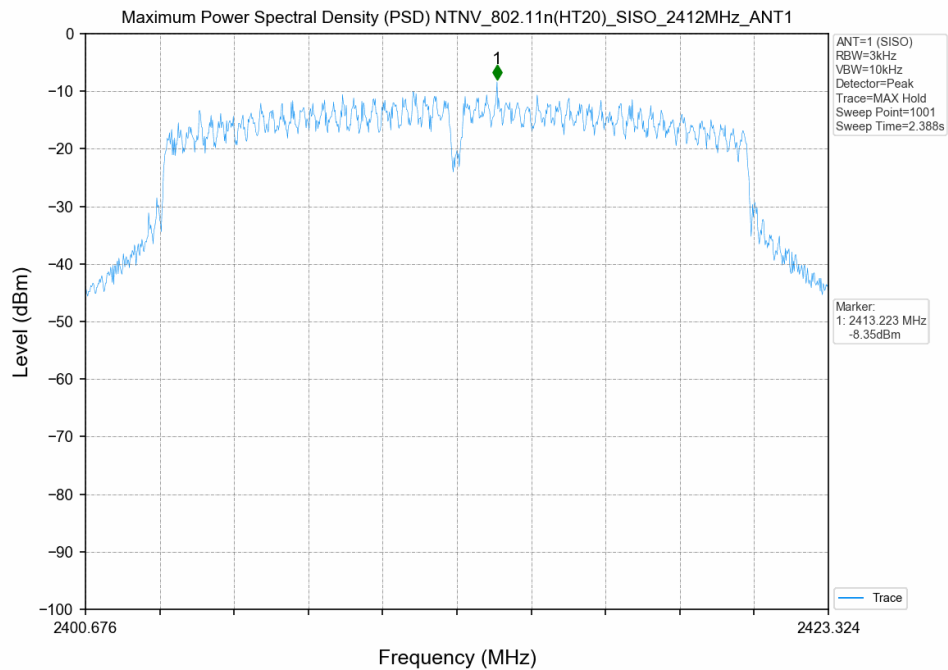
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-4.89	≤8	PASS
	2437	SISO	-4.57	≤8	PASS
	2462	SISO	-4.20	≤8	PASS
802.11g	2412	SISO	-8.23	≤8	PASS
	2437	SISO	-7.53	≤8	PASS
	2462	SISO	-9.08	≤8	PASS
802.11n(HT20)	2412	SISO	-8.35	≤8	PASS
	2437	SISO	-8.77	≤8	PASS
	2462	SISO	-9.25	≤8	PASS

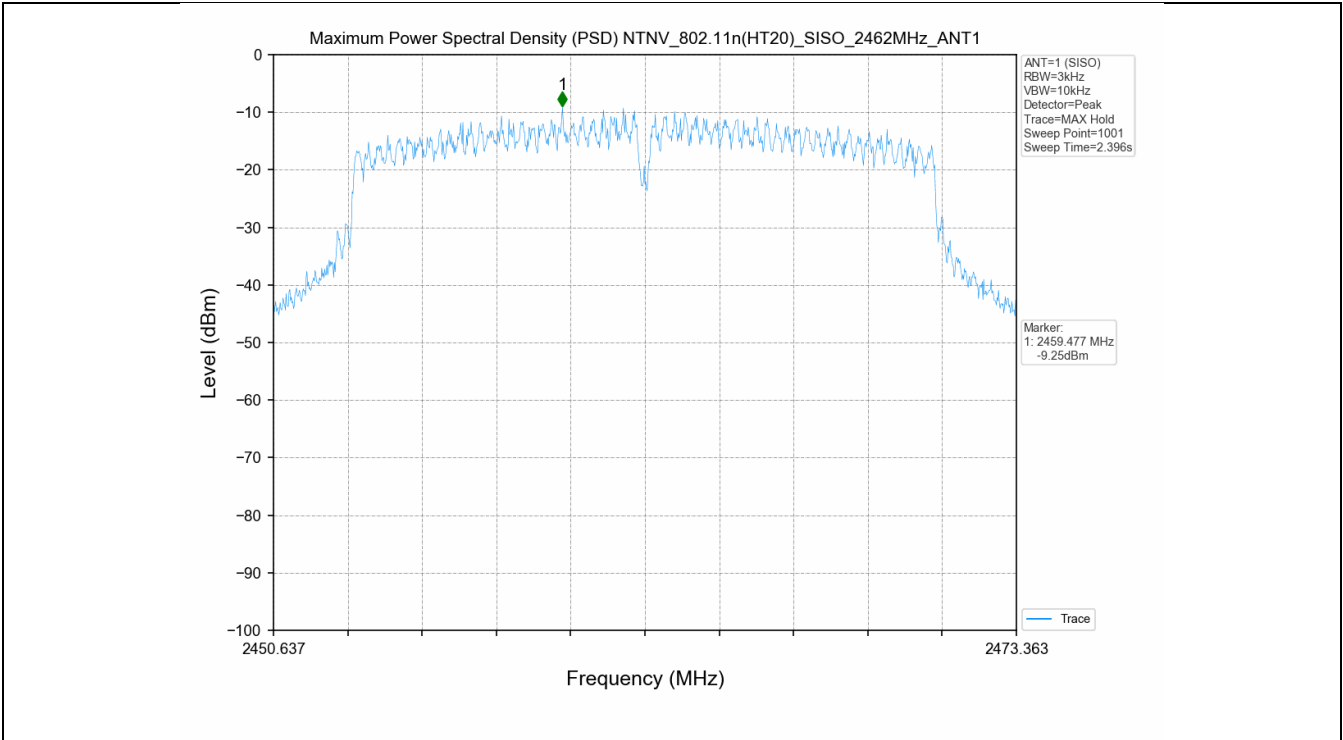
4.2 Test Graph









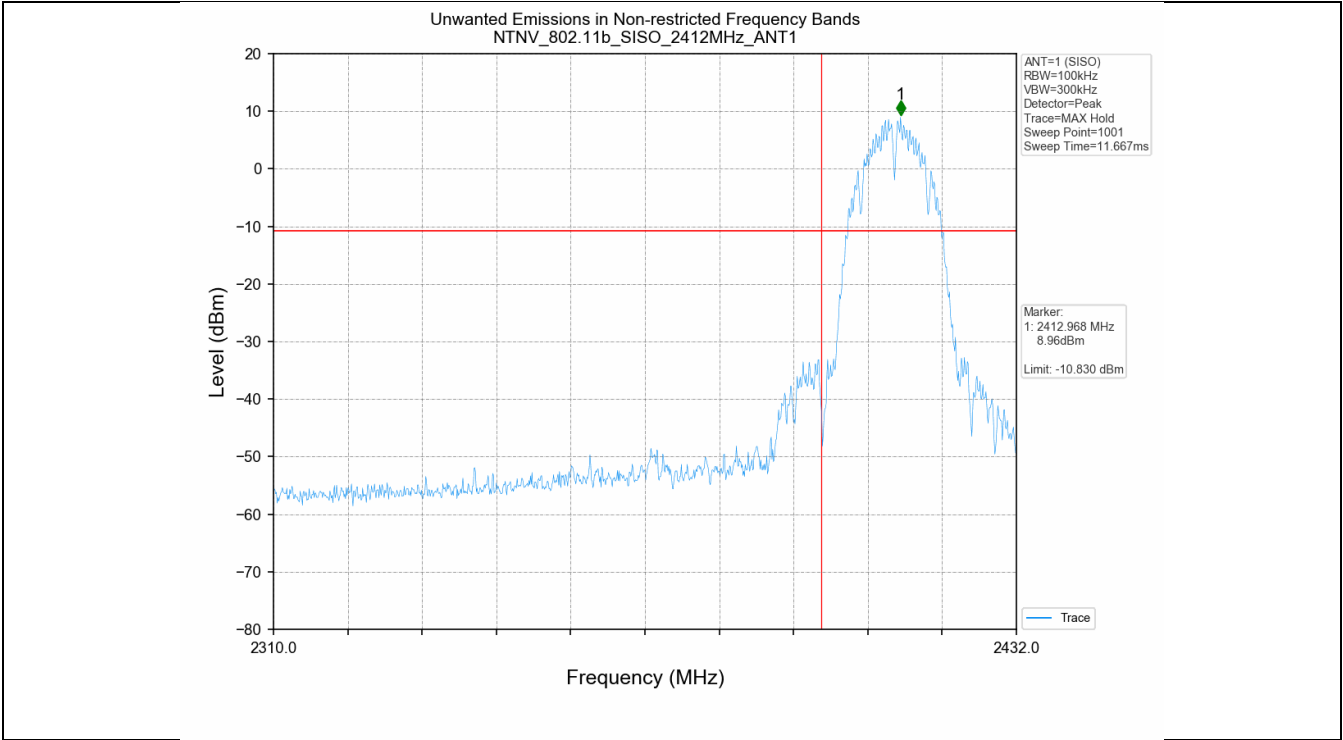
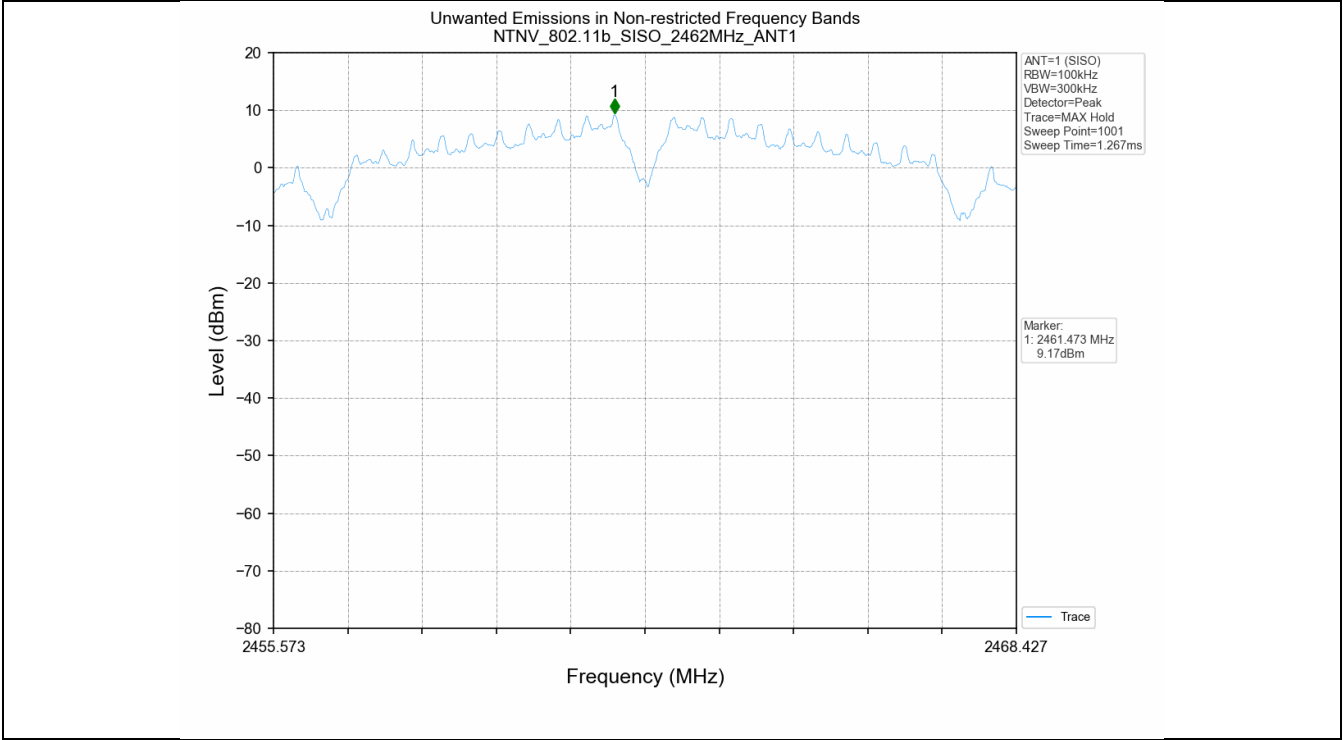


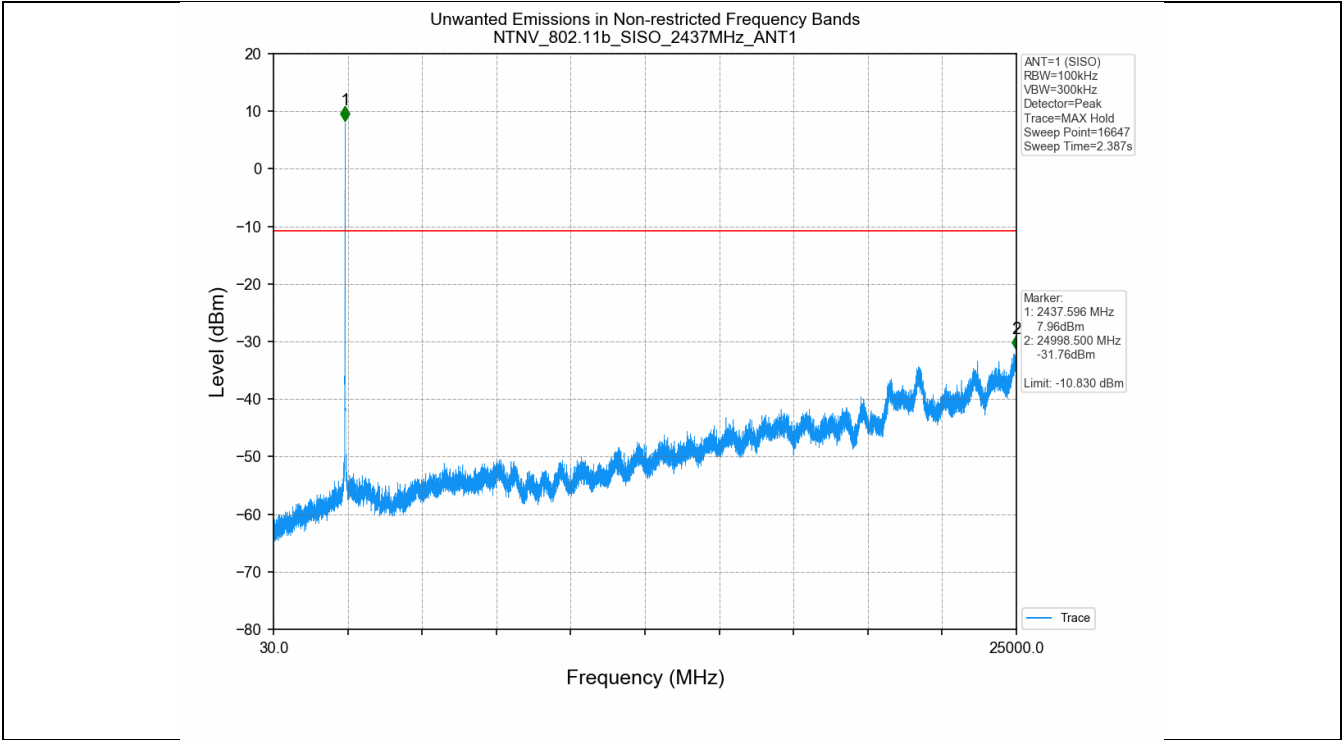
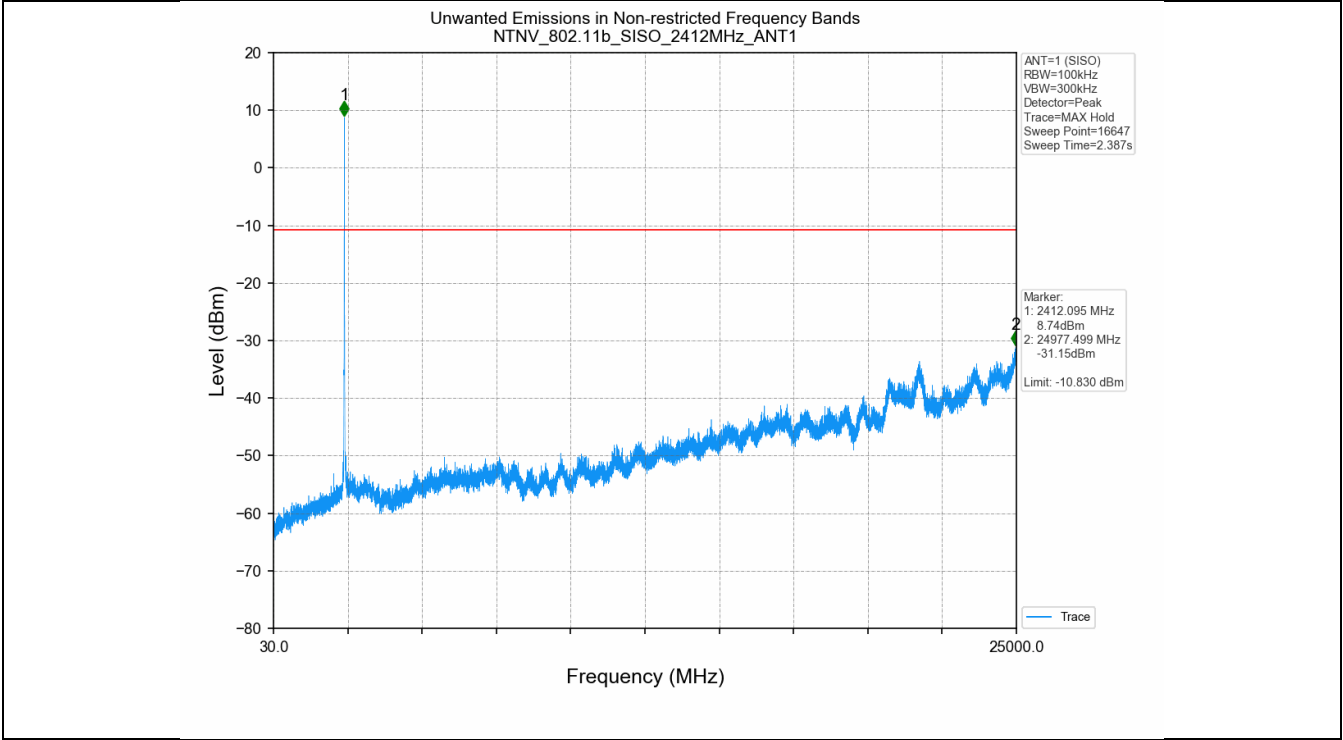
5. Unwanted Emissions in Non-restricted Frequency Bands

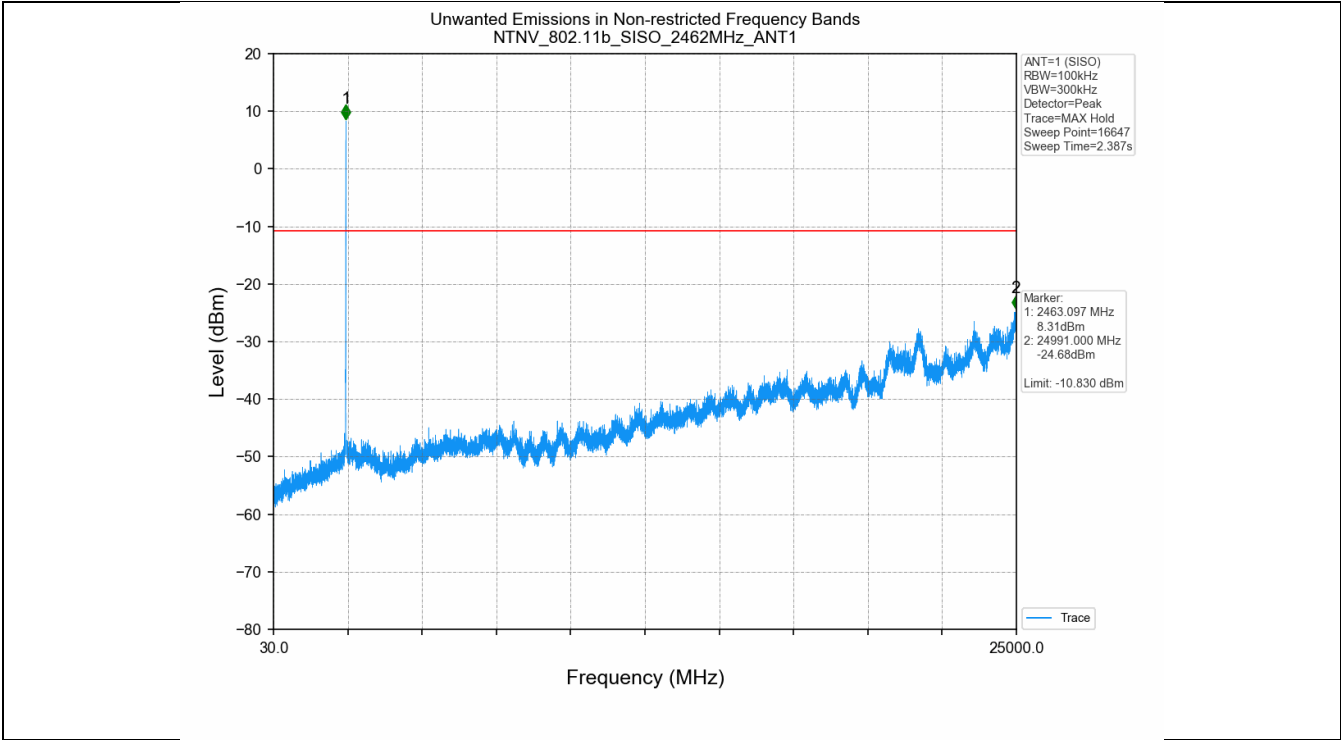
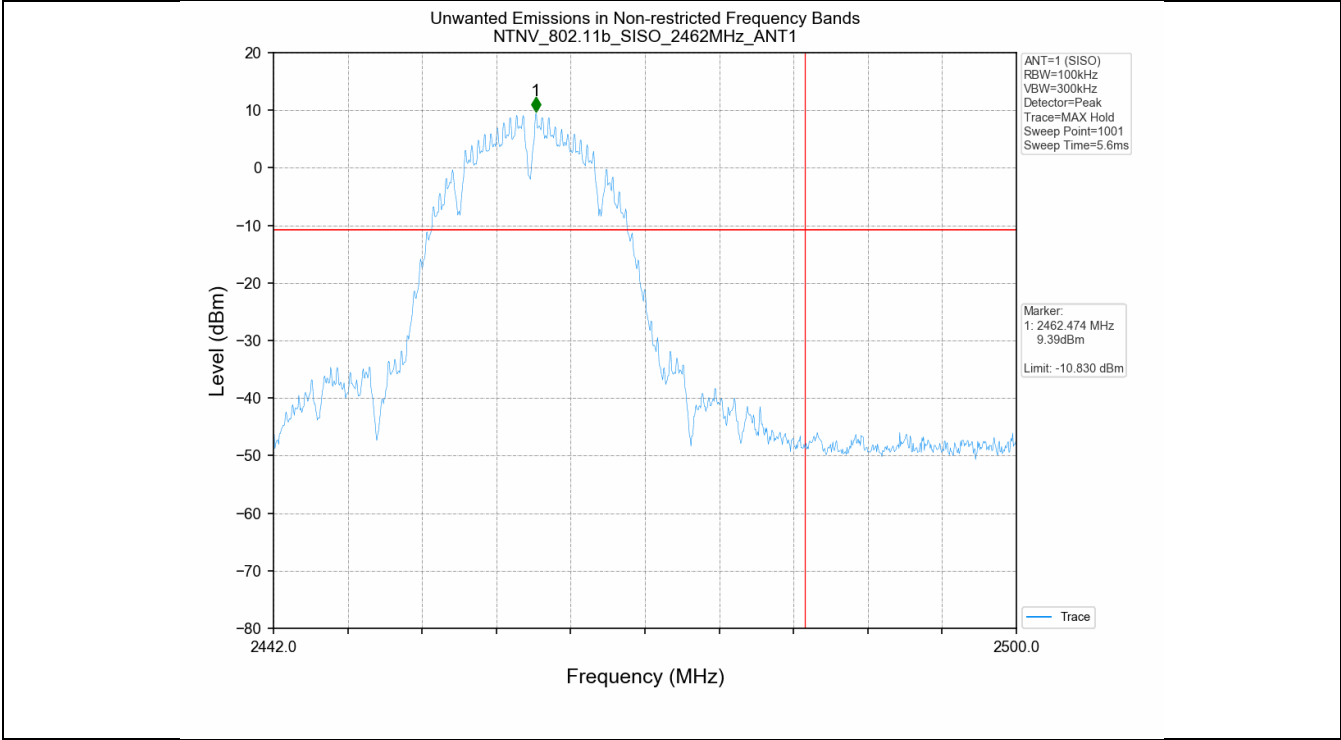
5.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-10.83	PASS
	2437	SISO	1	Refer to test graph	-10.83	PASS
	2462	SISO	1	Refer to test graph	-10.83	PASS
802.11g	2412	SISO	1	Refer to test graph	-14.39	PASS
	2437	SISO	1	Refer to test graph	-14.39	PASS
	2462	SISO	1	Refer to test graph	-14.39	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-14.96	PASS
	2437	SISO	1	Refer to test graph	-14.96	PASS
	2462	SISO	1	Refer to test graph	-14.96	PASS

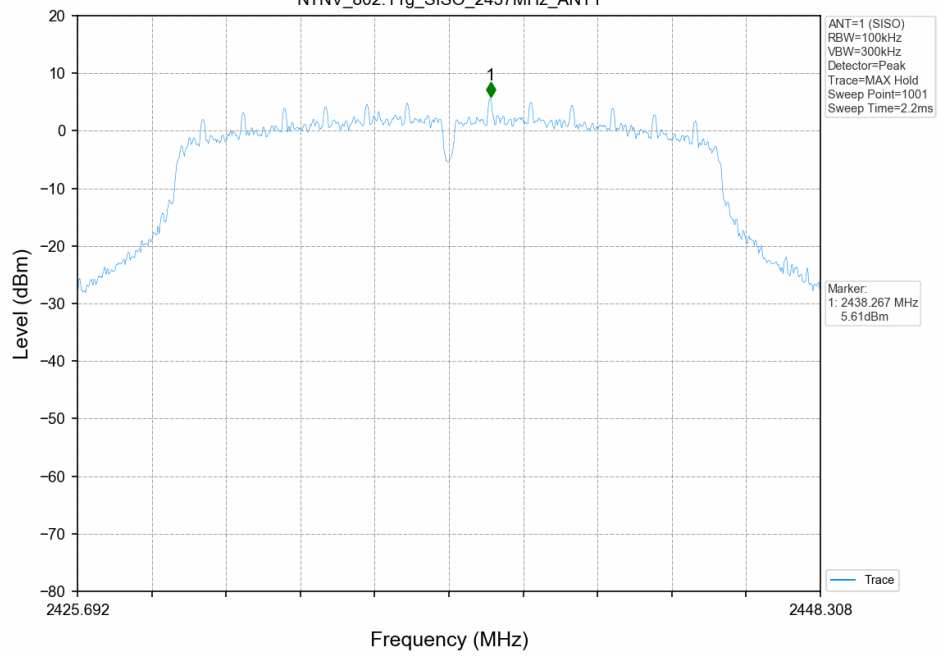
5.2 Test Graph







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



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

