

Appendix for 15.247

Report No.: CTL2009212011-WF

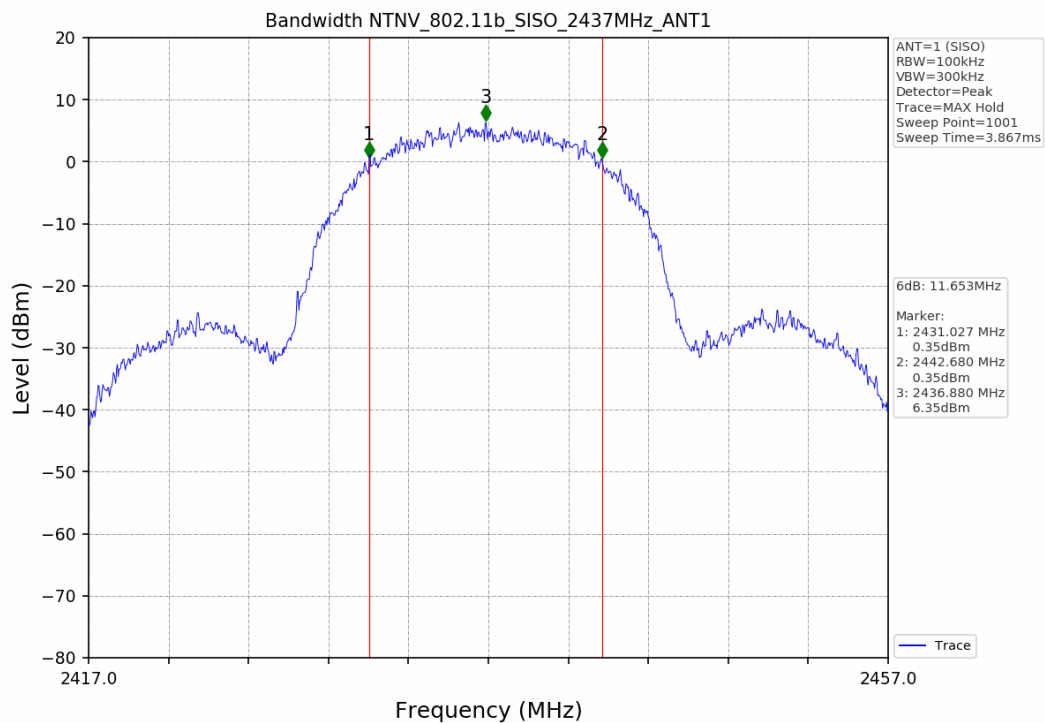
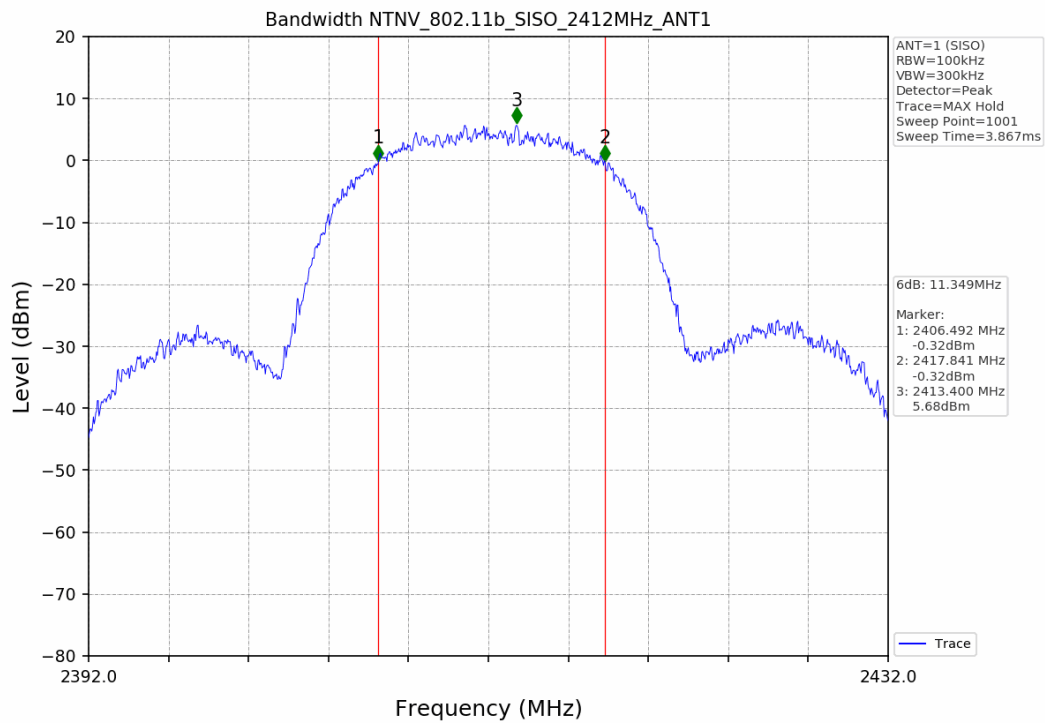
1. Bandwidth

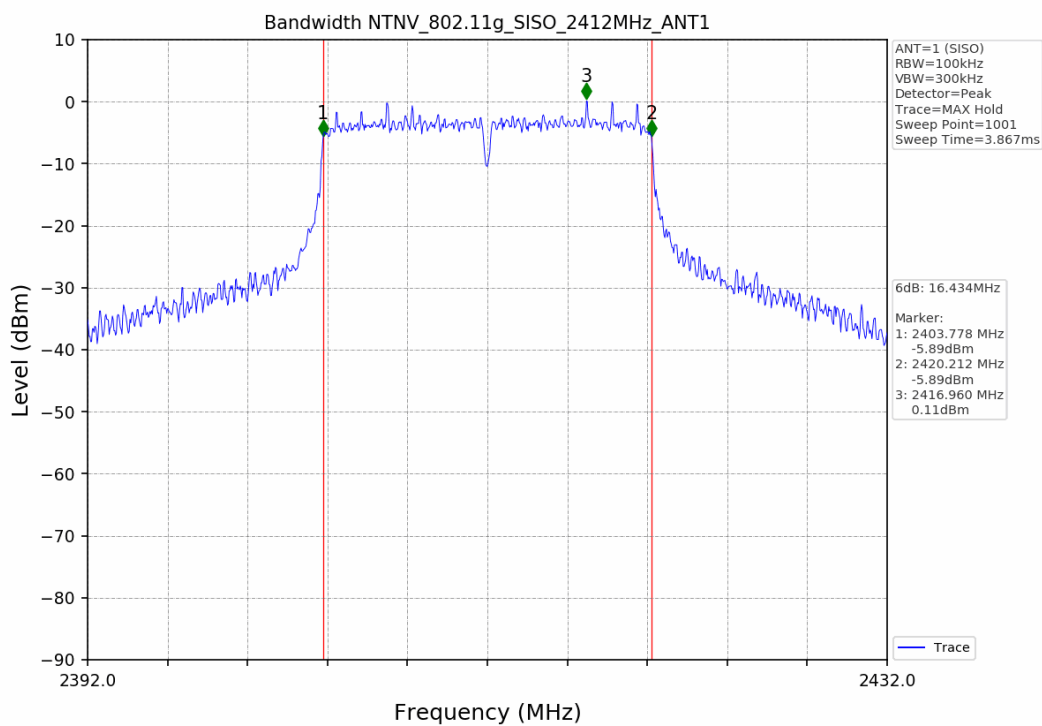
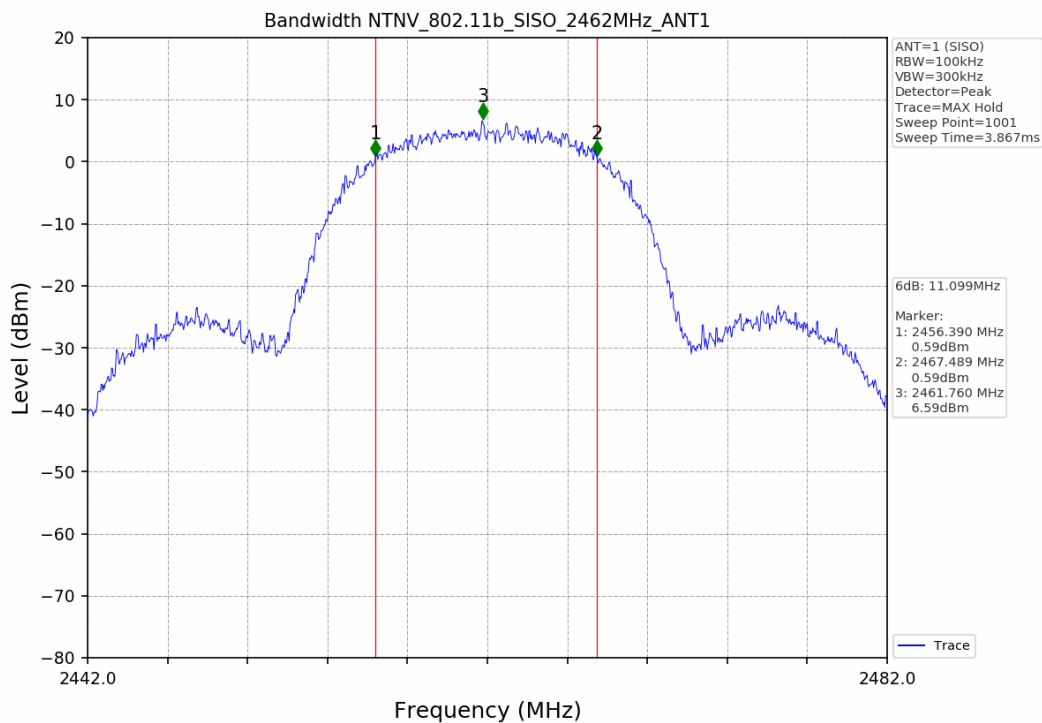
1.1 Test Result

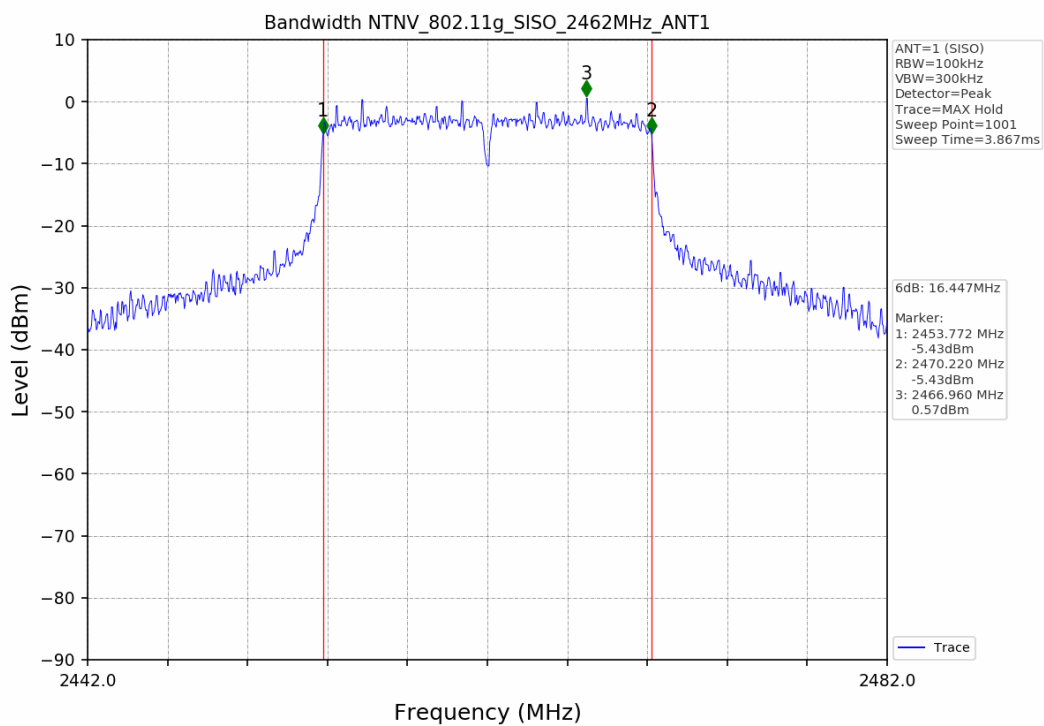
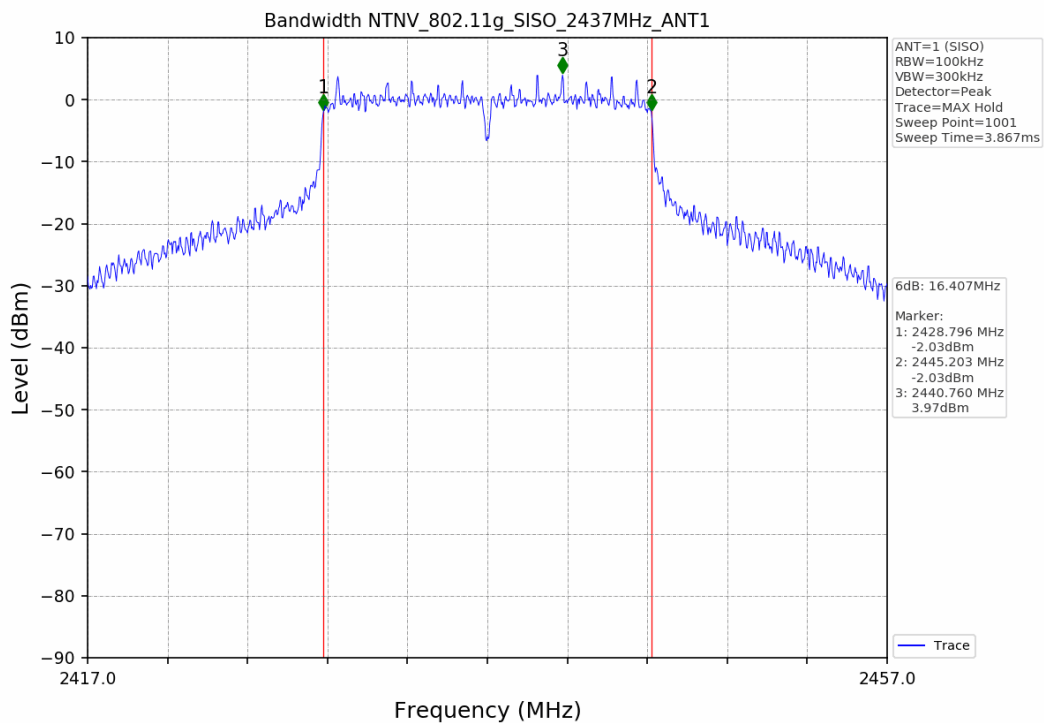
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	11.349	≥0.5	PASS
	2437	SISO	1	11.653	≥0.5	PASS
	2462	SISO	1	11.099	≥0.5	PASS
802.11g	2412	SISO	1	16.434	≥0.5	PASS
	2437	SISO	1	16.407	≥0.5	PASS
	2462	SISO	1	16.447	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.001	≥0.5	PASS
	2437	SISO	1	16.996	≥0.5	PASS
	2462	SISO	1	17.016	≥0.5	PASS

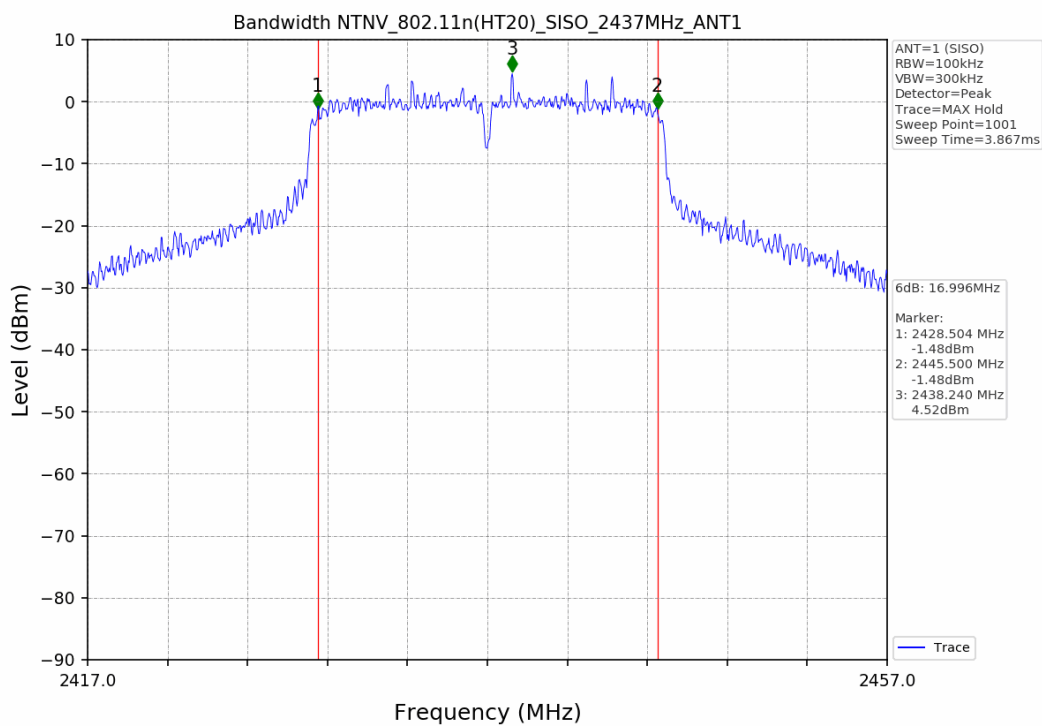
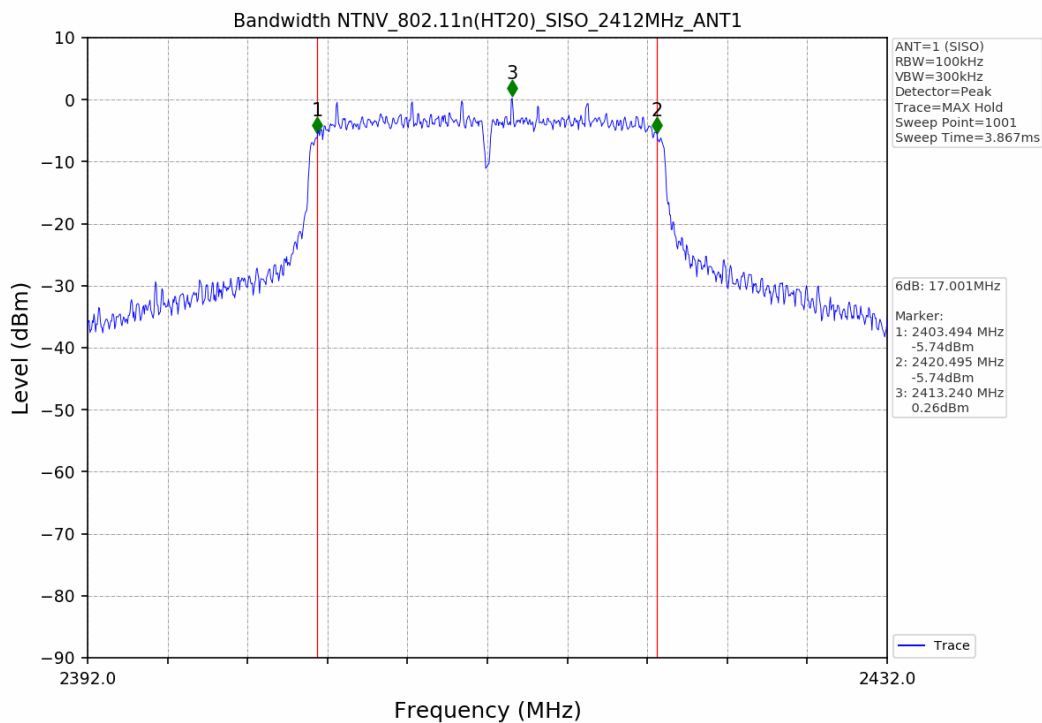
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	15.194	Only for Report Use
	2437	SISO	1	15.135	Only for Report Use
	2462	SISO	1	15.182	Only for Report Use
802.11g	2412	SISO	1	16.715	Only for Report Use
	2437	SISO	1	18.155	Only for Report Use
	2462	SISO	1	16.762	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.683	Only for Report Use
	2437	SISO	1	18.448	Only for Report Use
	2462	SISO	1	17.728	Only for Report Use

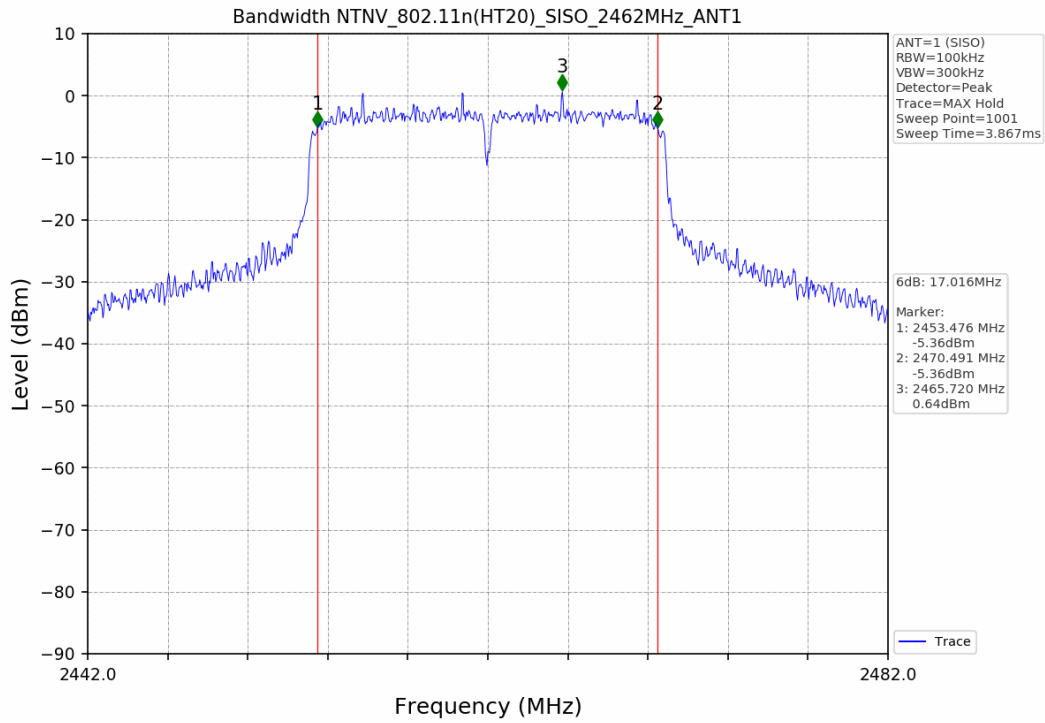
1.2 Test Graph - 6dB Bandwidth



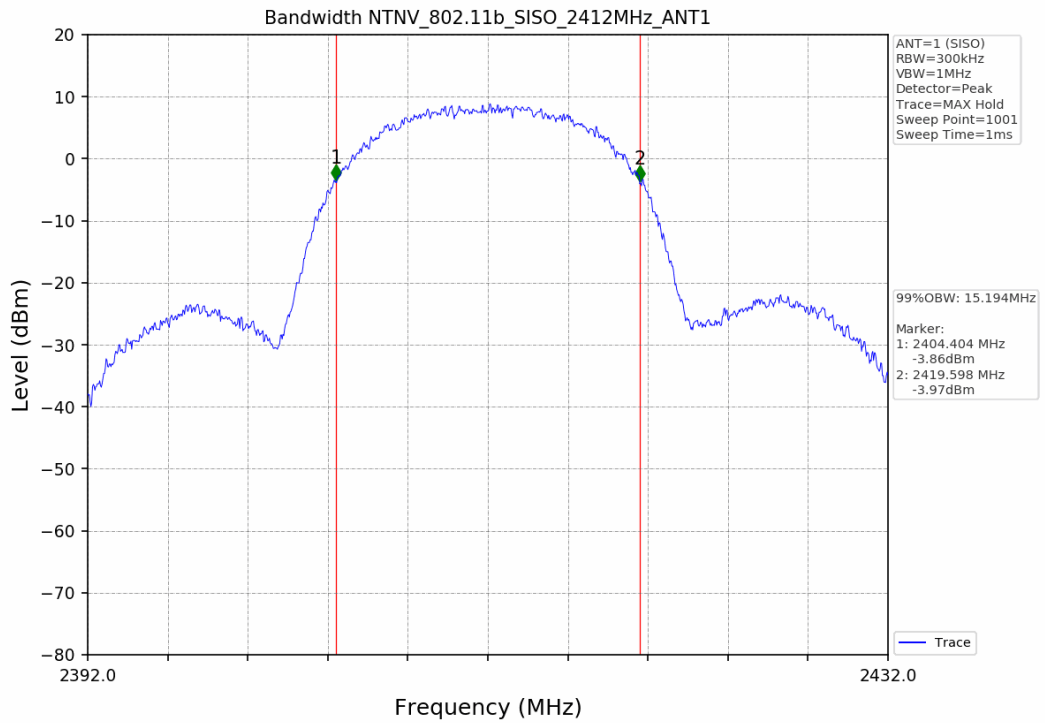


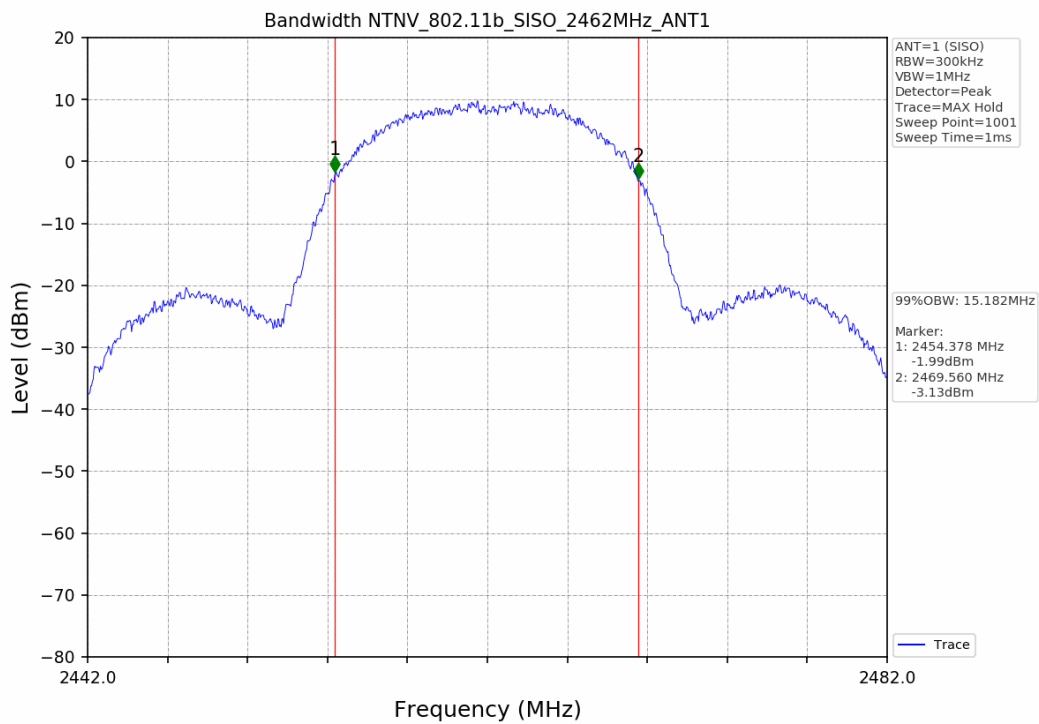
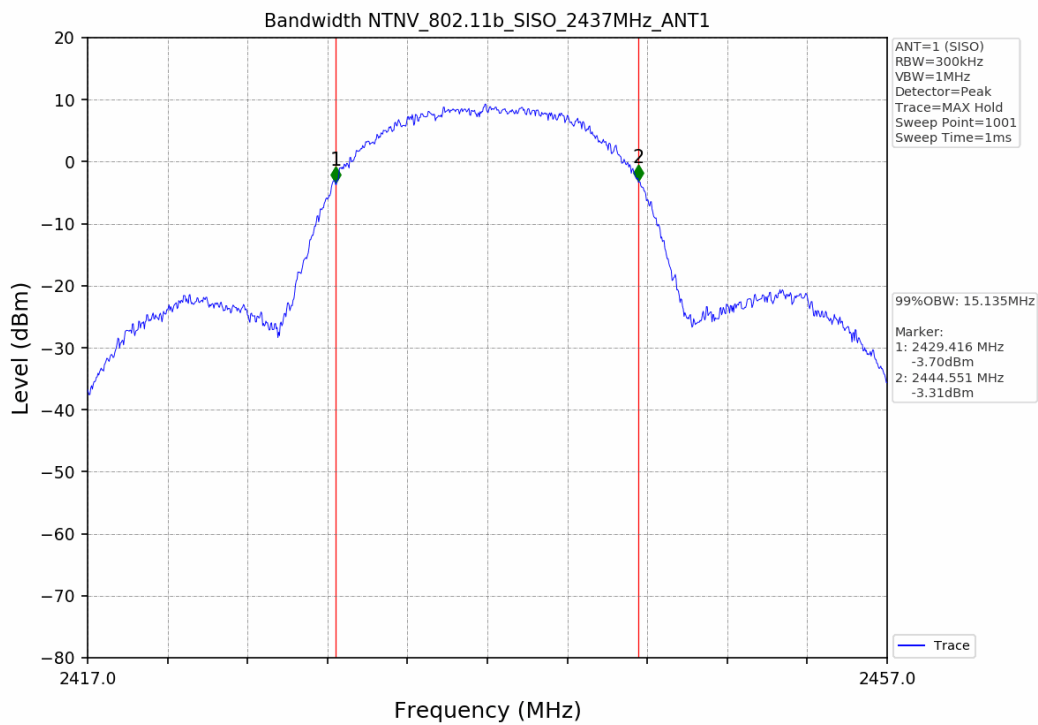


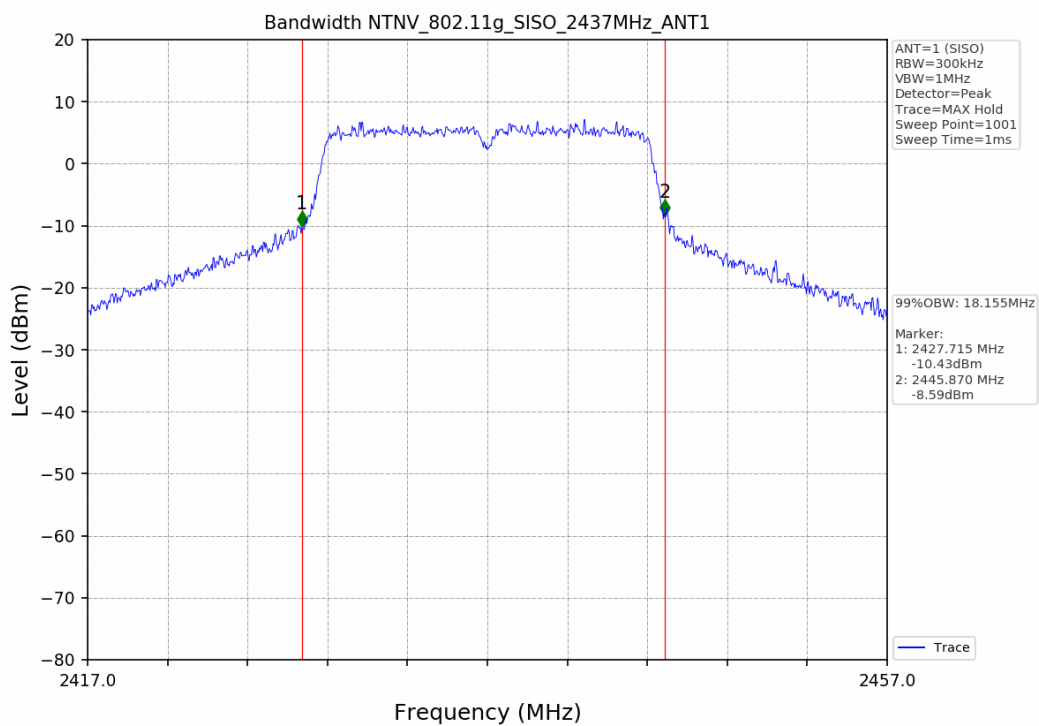
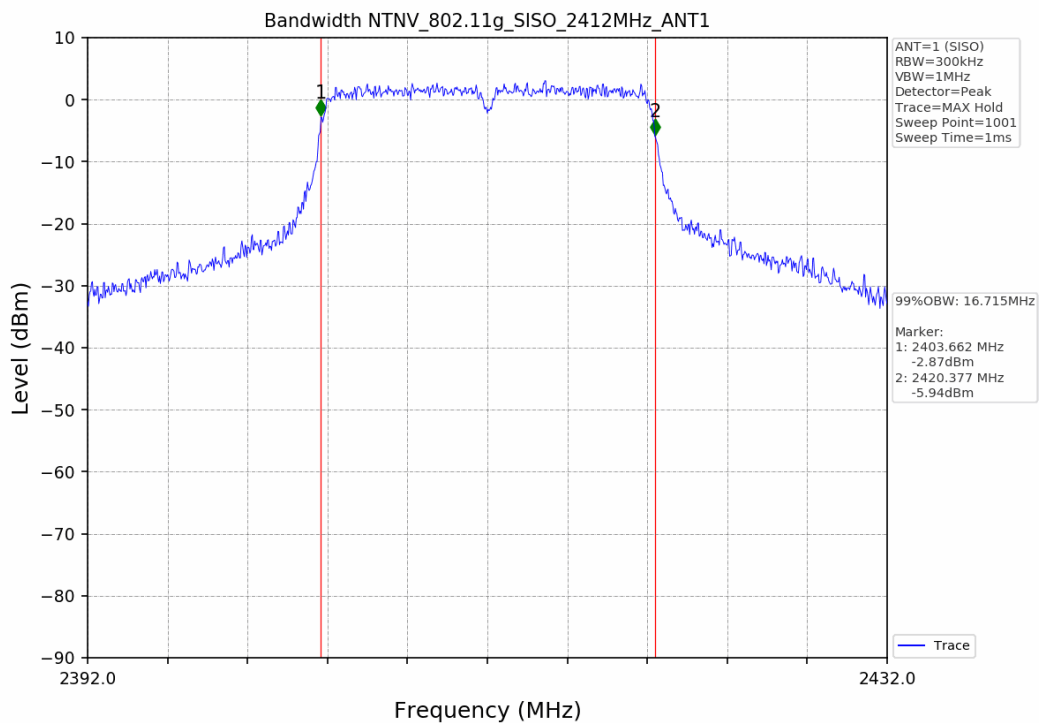


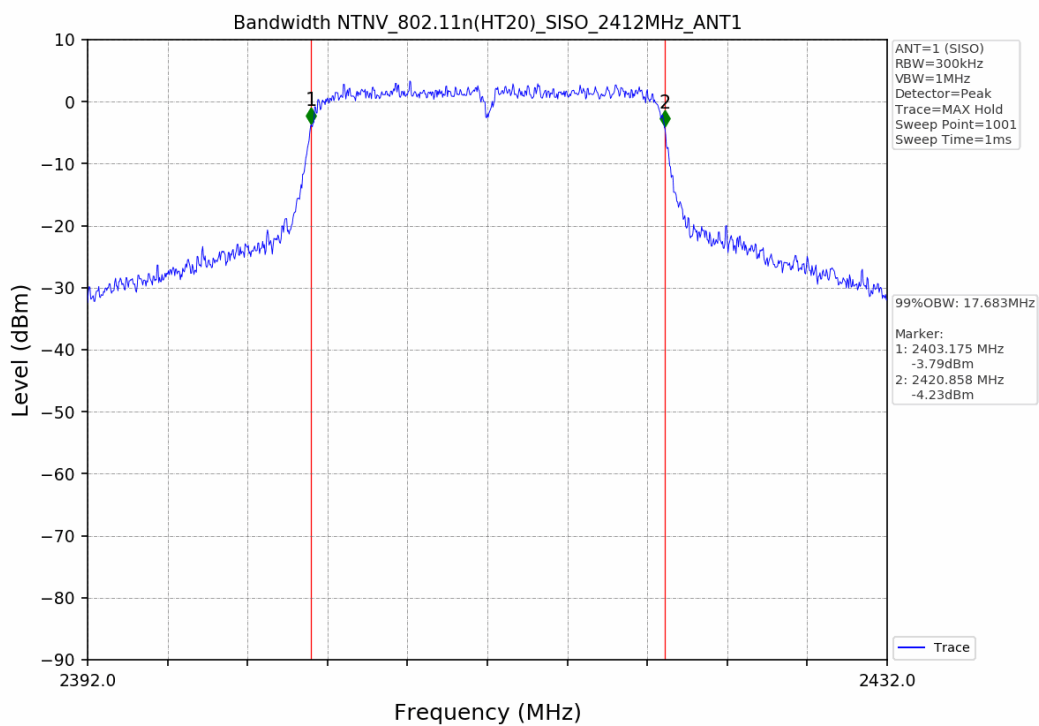
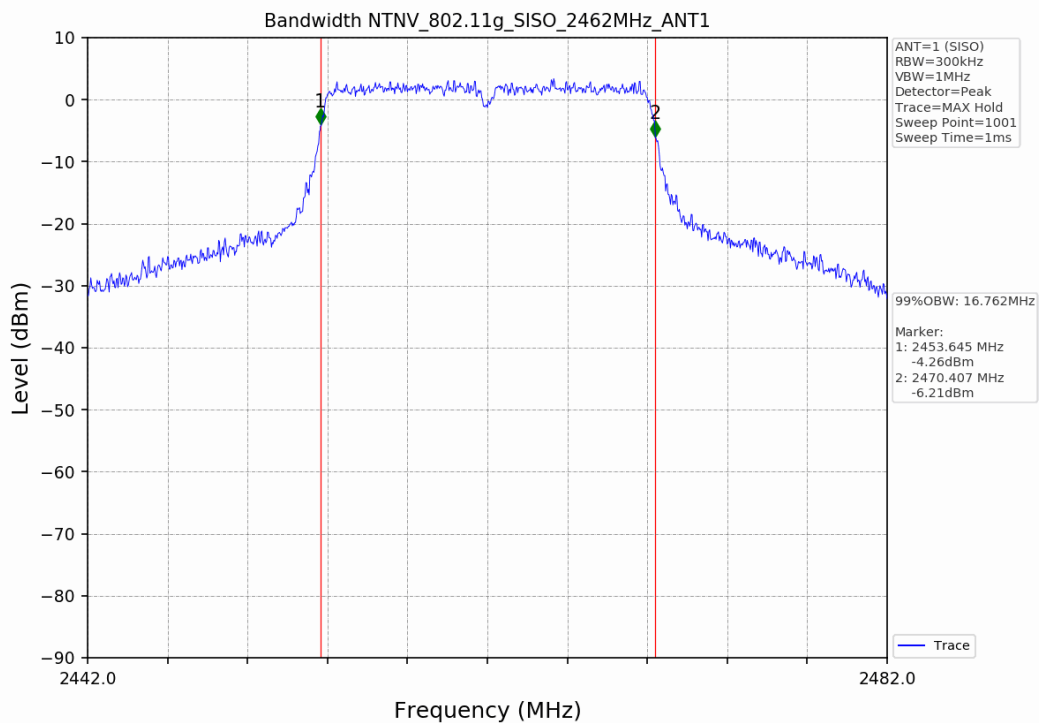


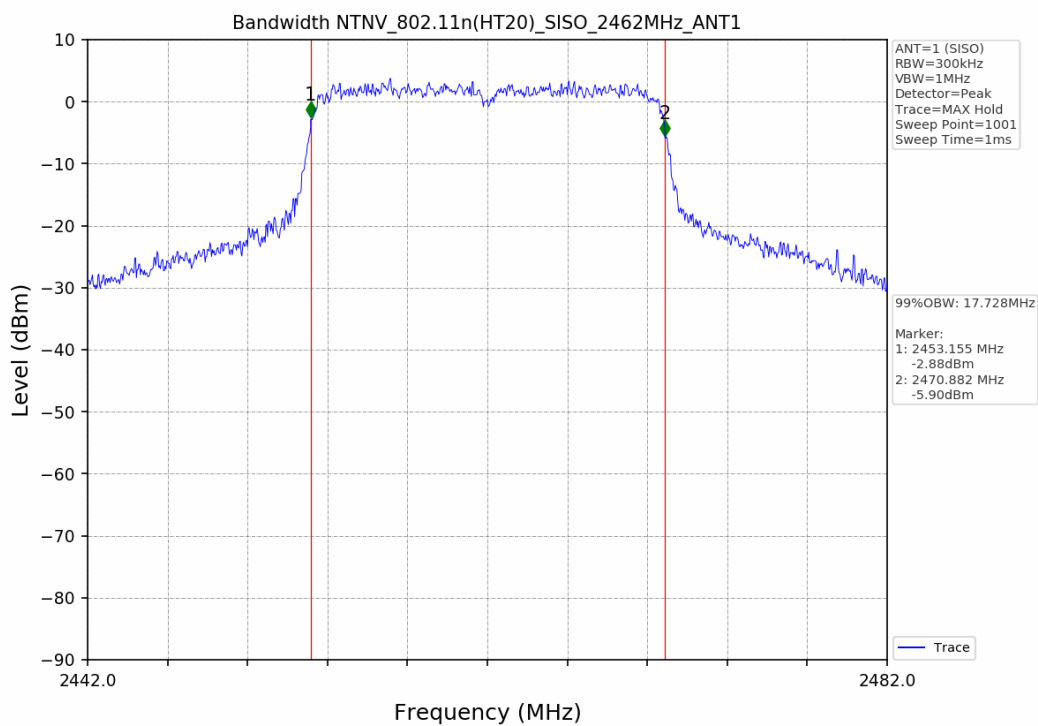
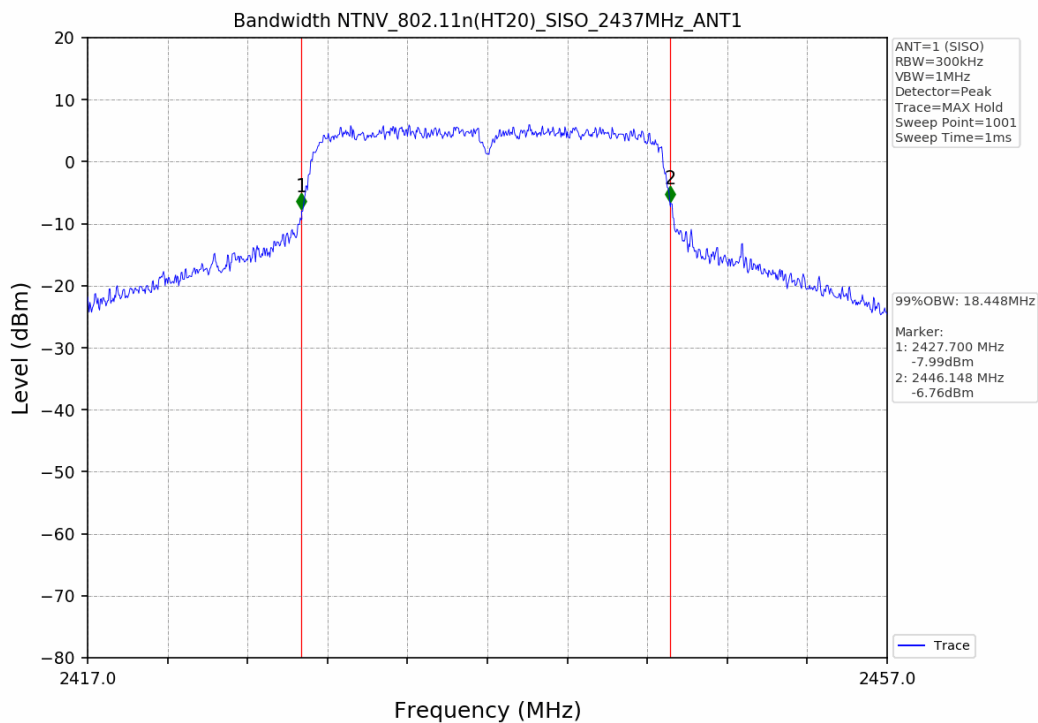
1.3 Test Graph - 99% Occupied Bandwidth









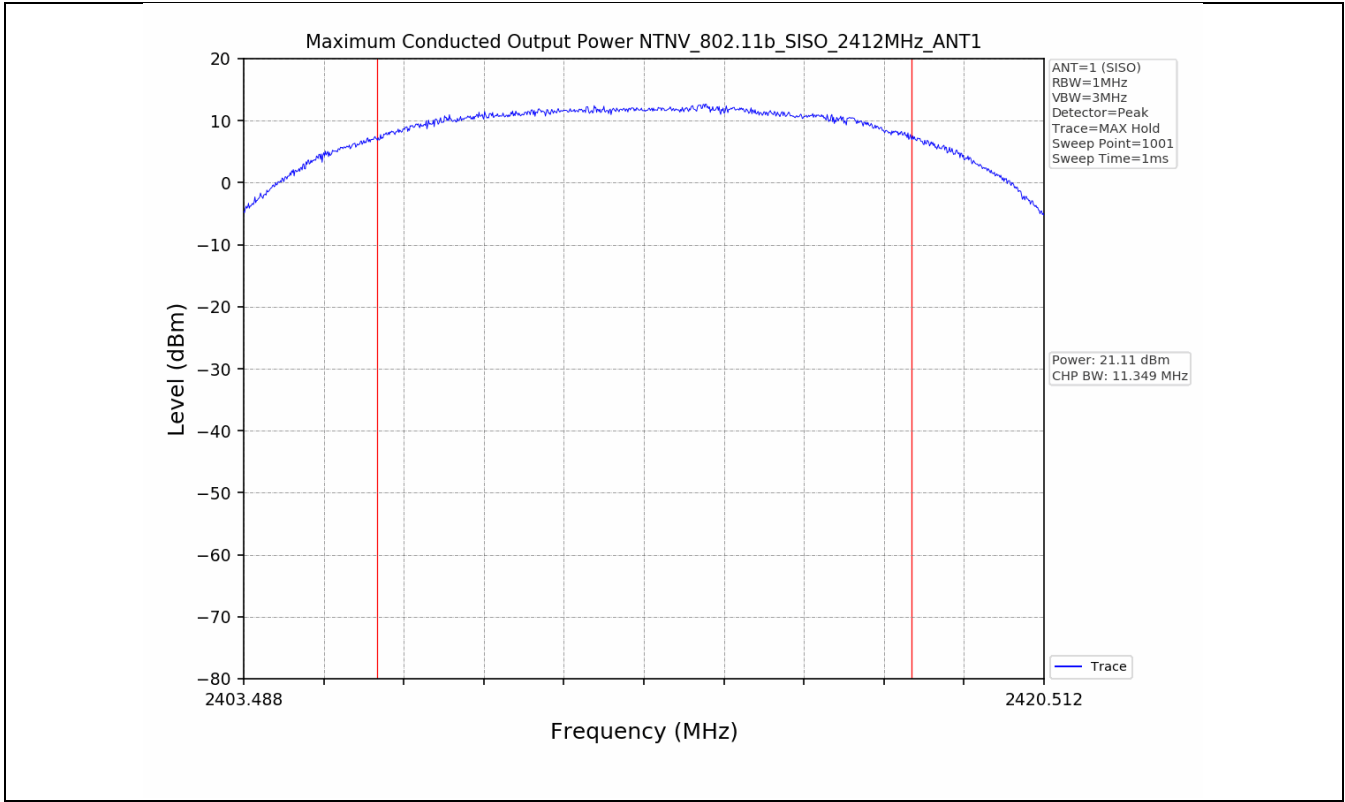


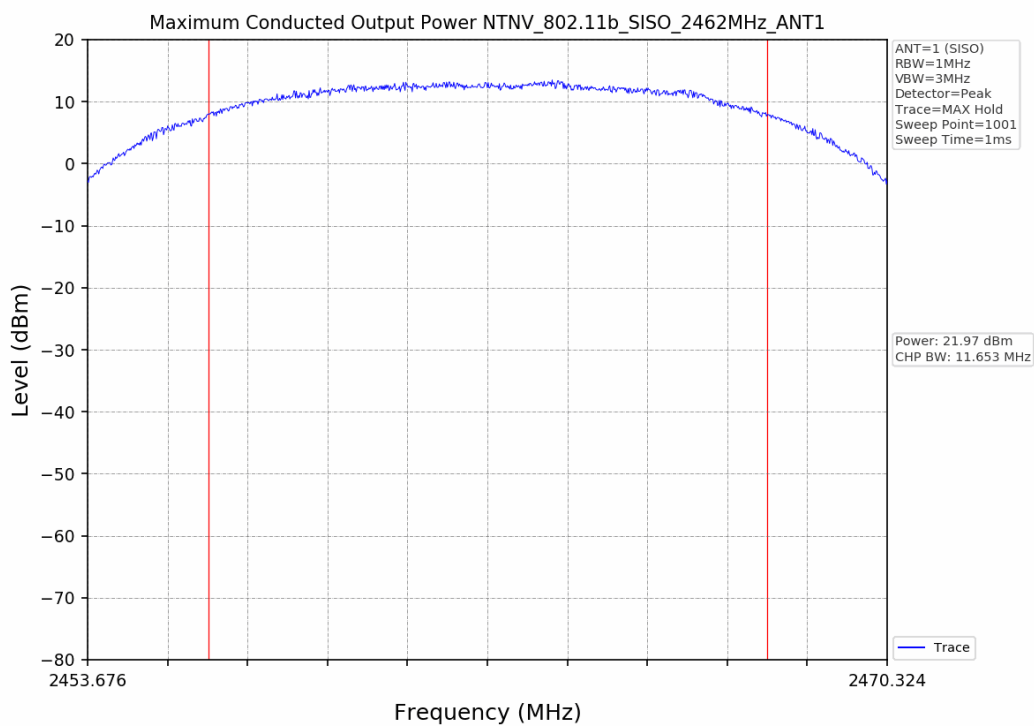
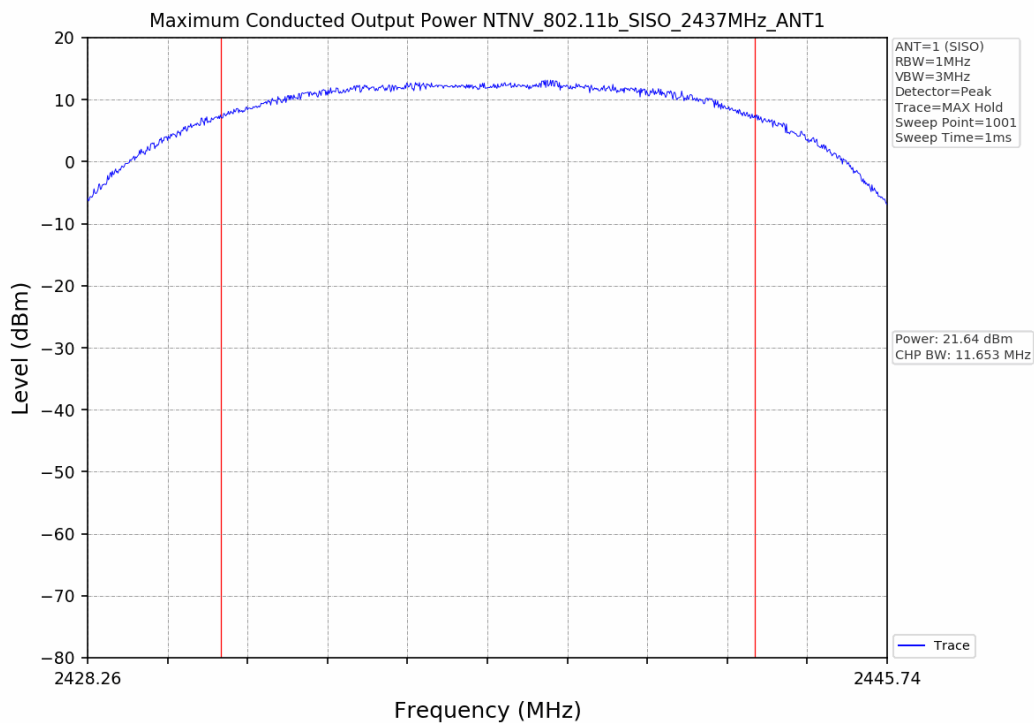
2. Maximum Conducted Output Power

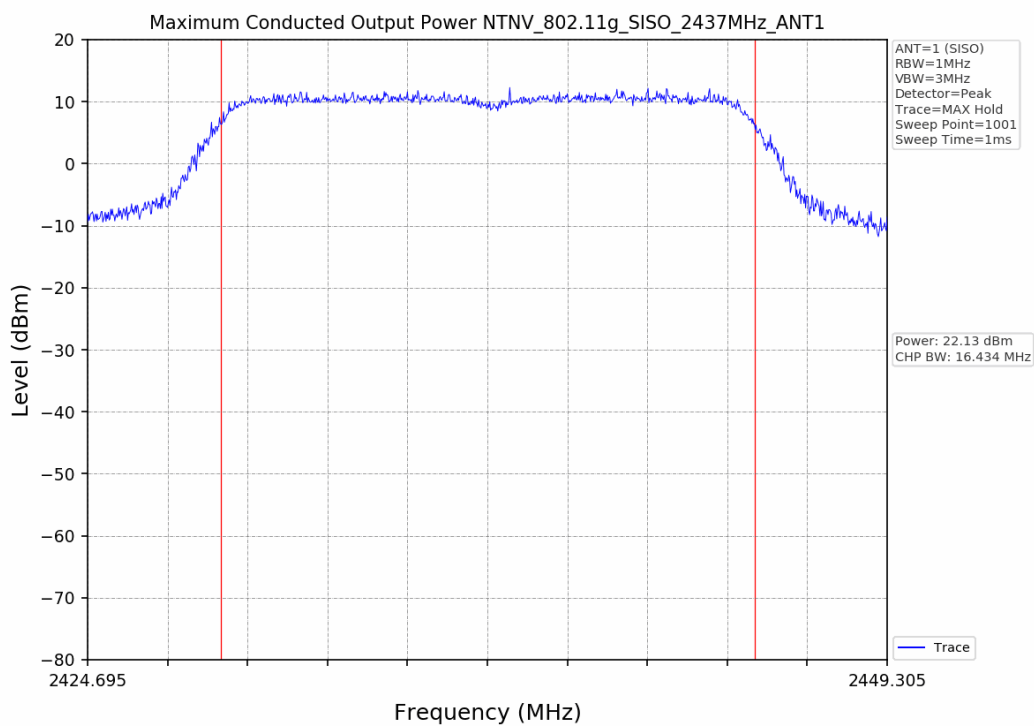
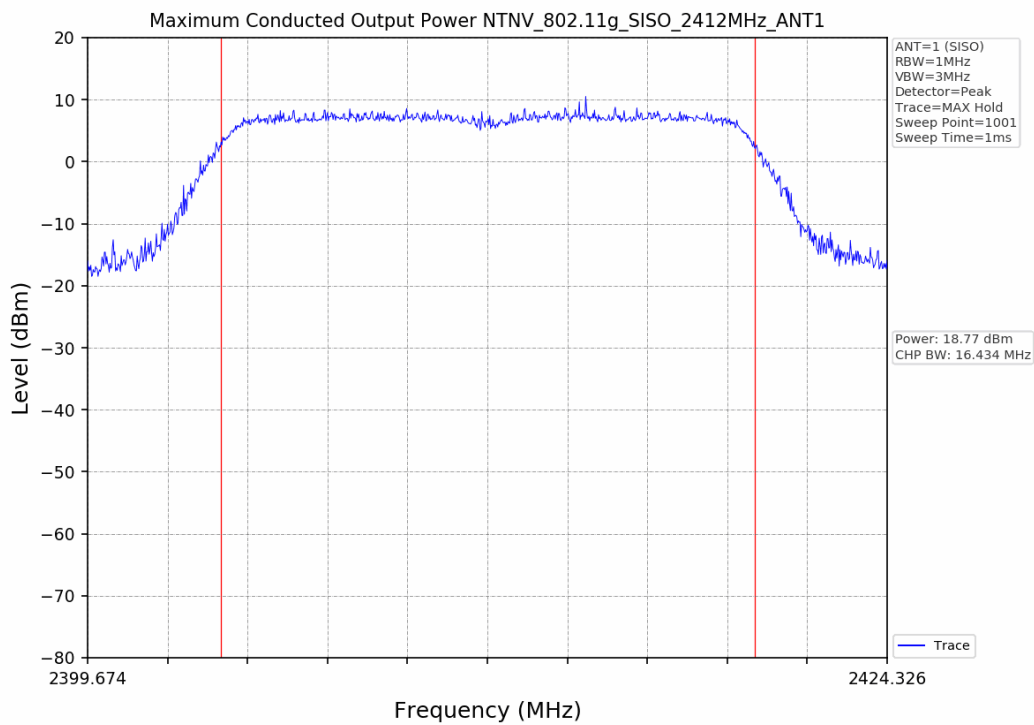
2.1 Test Result

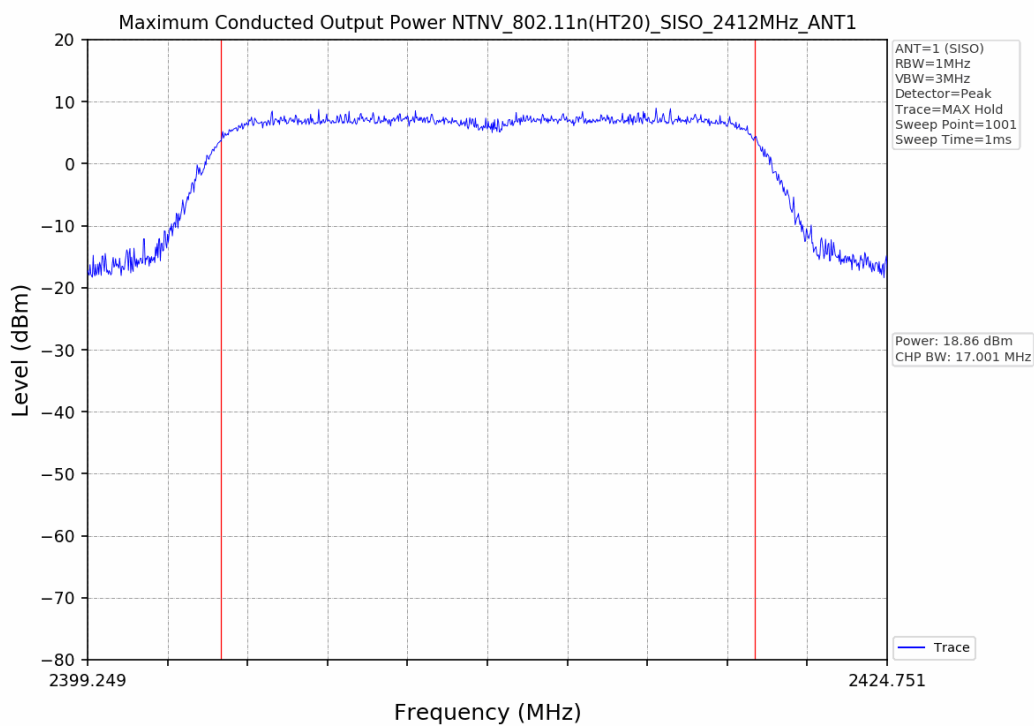
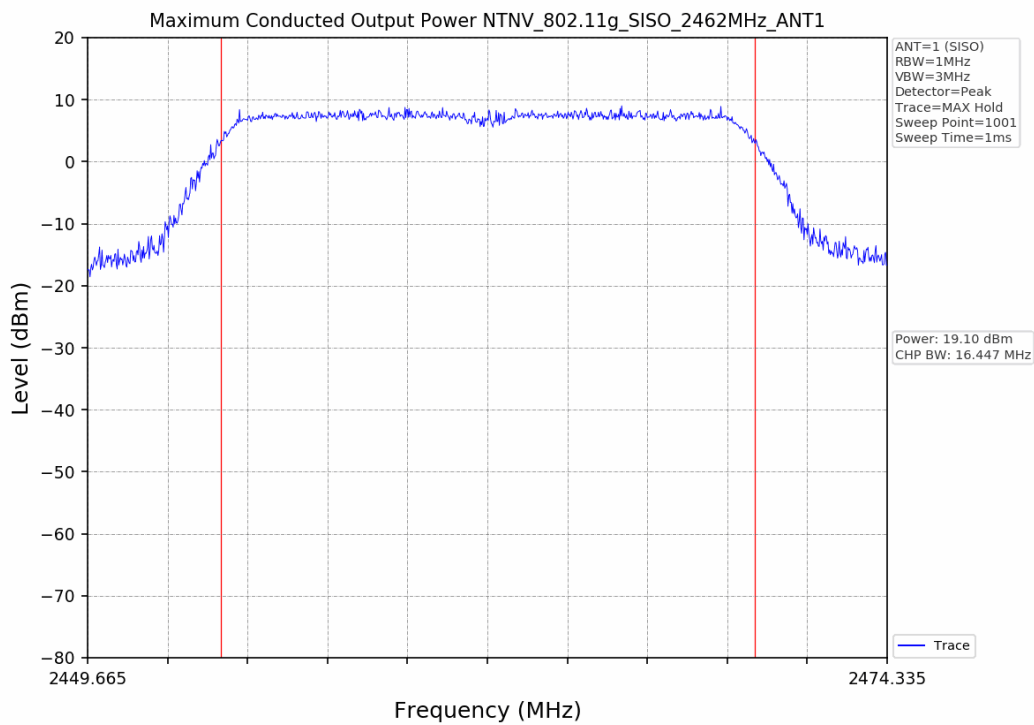
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	21.11	30	PASS
	2437	SISO	21.64	30	PASS
	2462	SISO	21.97	30	PASS
802.11g	2412	SISO	18.77	30	PASS
	2437	SISO	22.13	30	PASS
	2462	SISO	19.10	30	PASS
802.11n(HT20)	2412	SISO	18.86	30	PASS
	2437	SISO	22.06	30	PASS
	2462	SISO	19.30	30	PASS

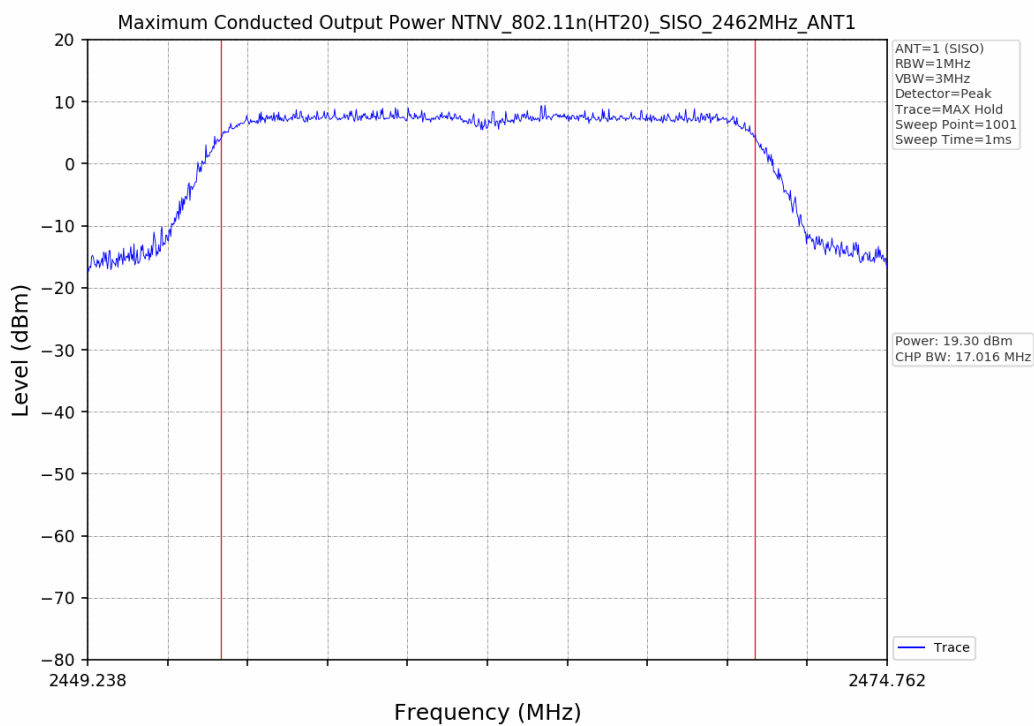
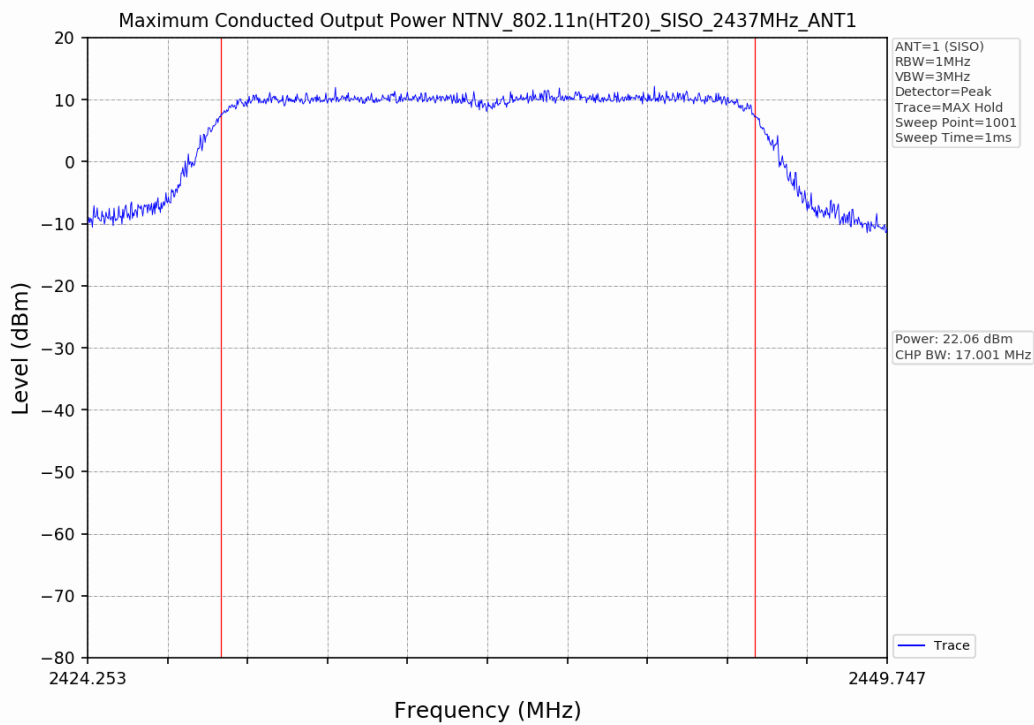
2.2 Test Graph









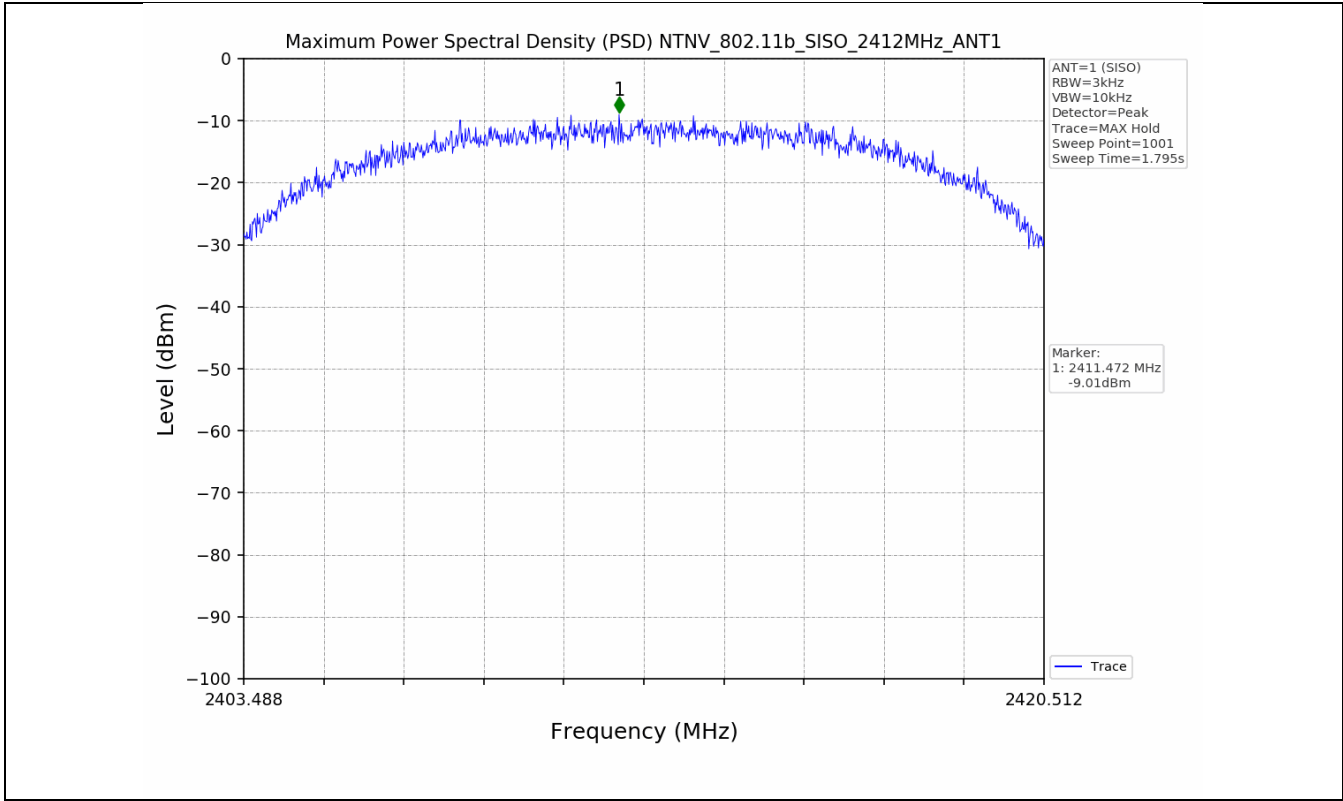


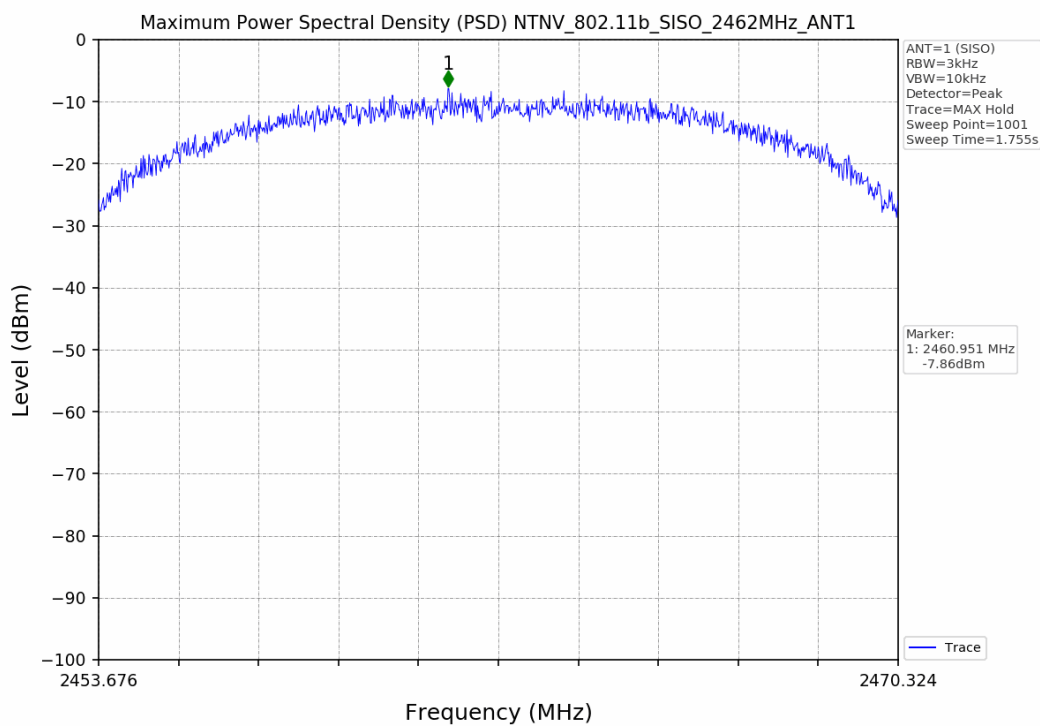
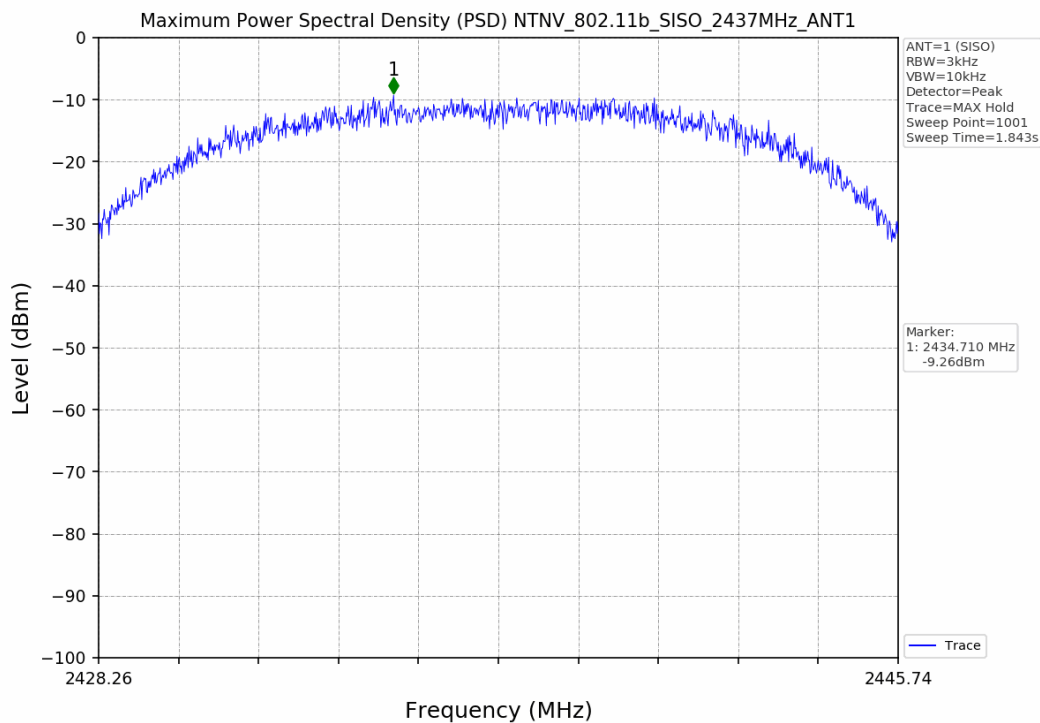
3. Maximum Power Spectral Density (PSD)

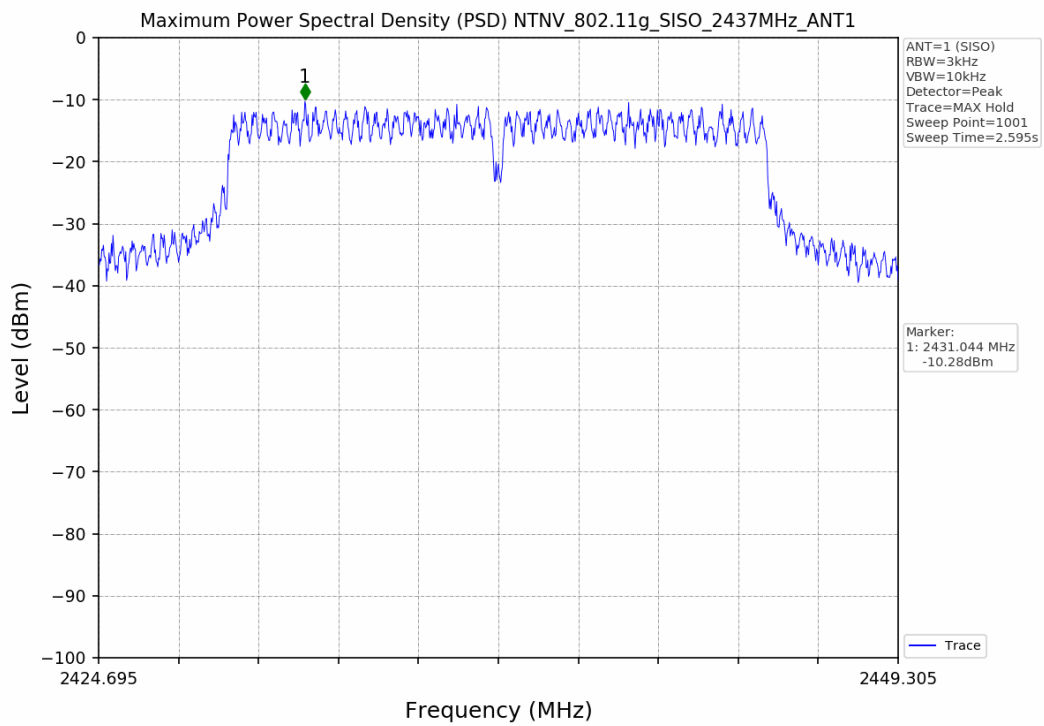
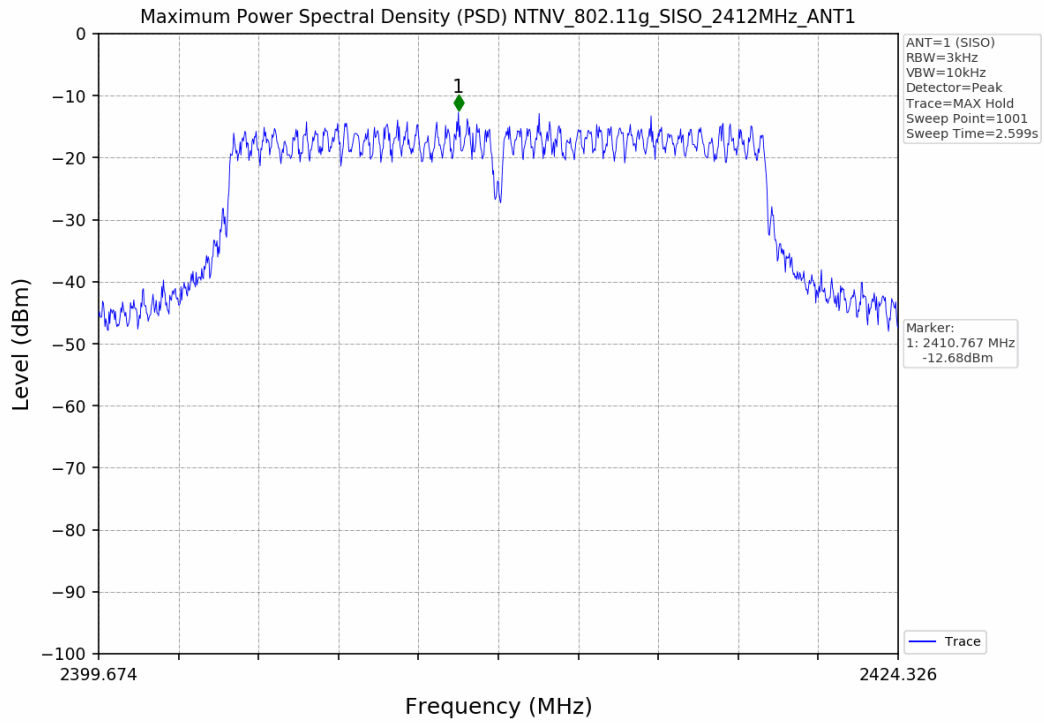
3.1 Test Result

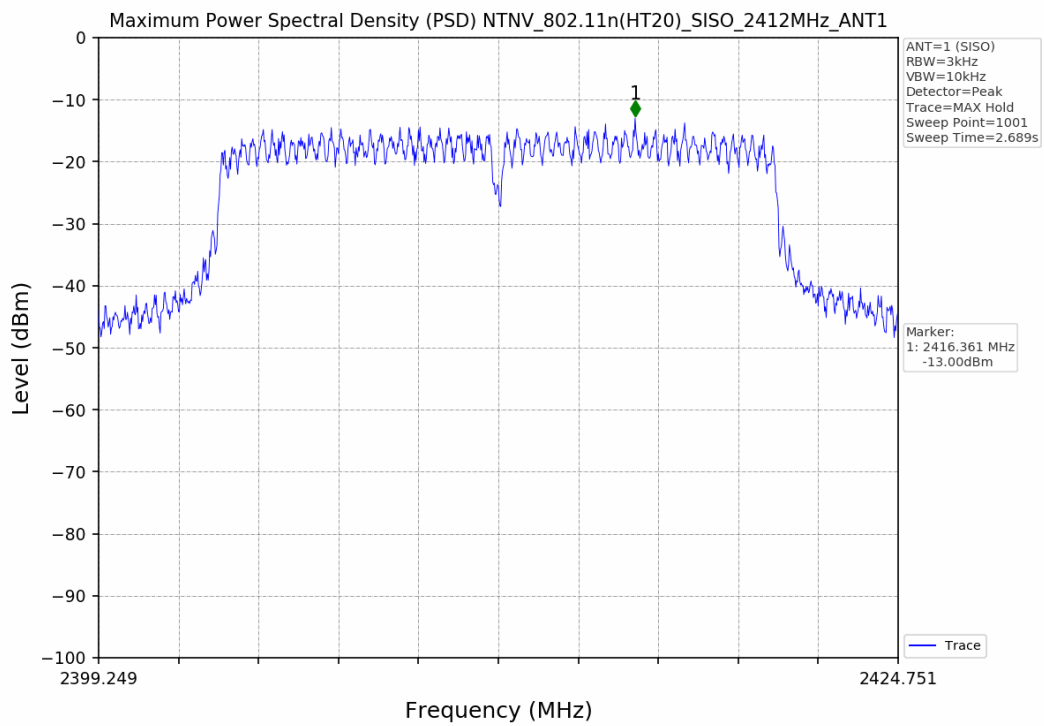
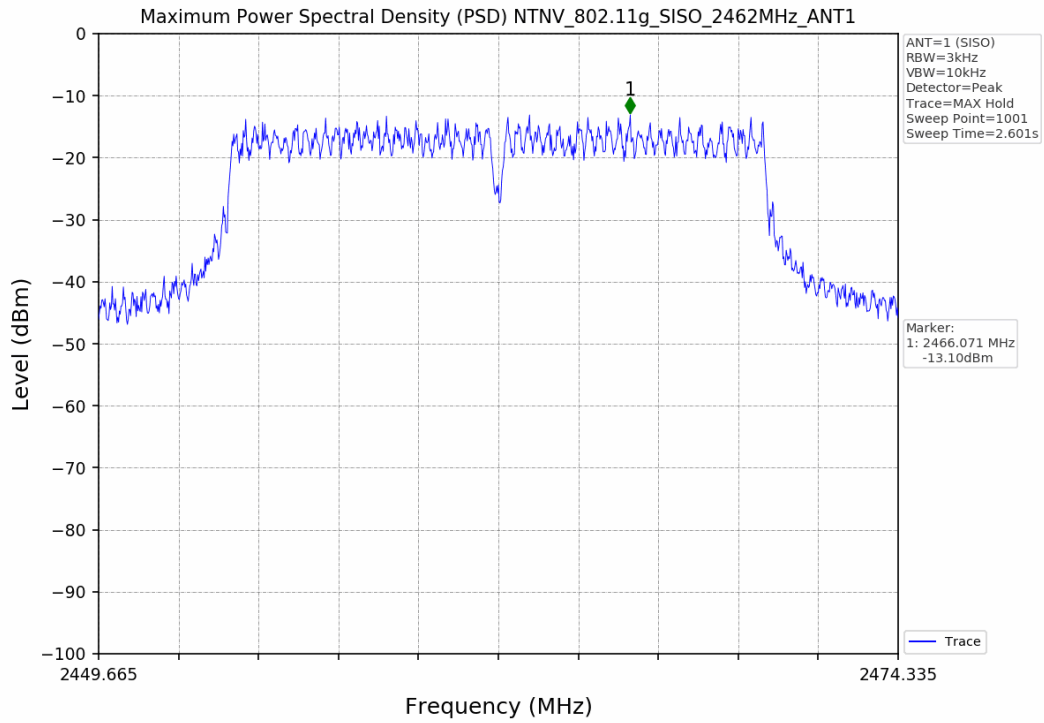
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-9.01	≤8	PASS
	2437	SISO	-9.26	≤8	PASS
	2462	SISO	-7.86	≤8	PASS
802.11g	2412	SISO	-12.68	≤8	PASS
	2437	SISO	-10.28	≤8	PASS
	2462	SISO	-13.10	≤8	PASS
802.11n(HT20)	2412	SISO	-13.00	≤8	PASS
	2437	SISO	-10.06	≤8	PASS
	2462	SISO	-12.96	≤8	PASS

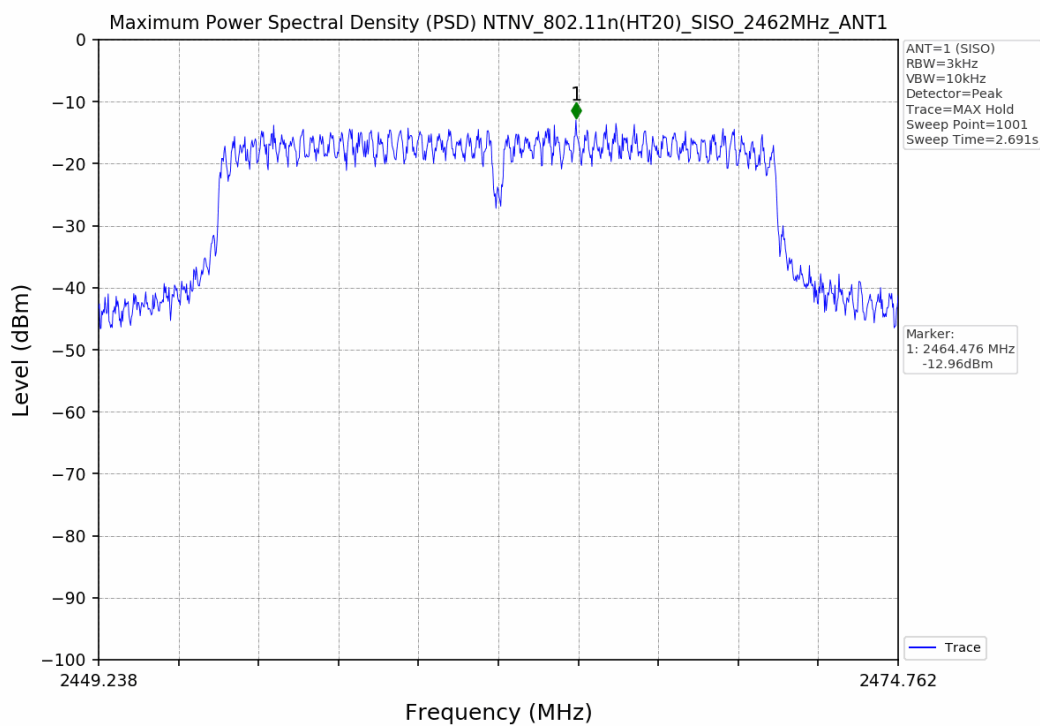
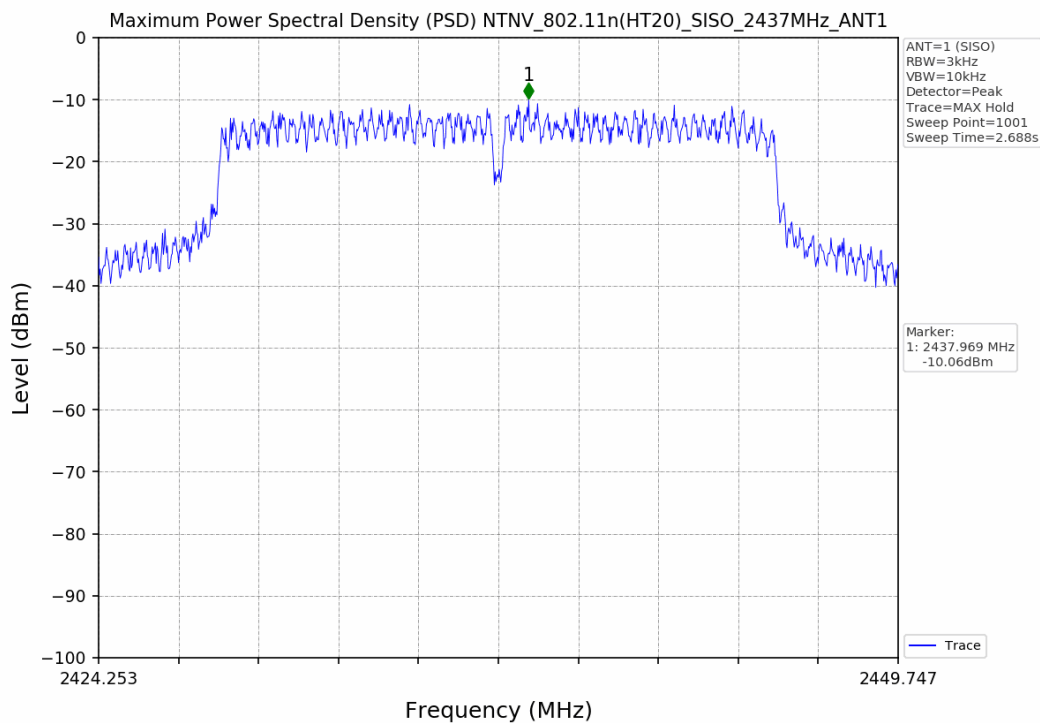
3.2 Test Graph









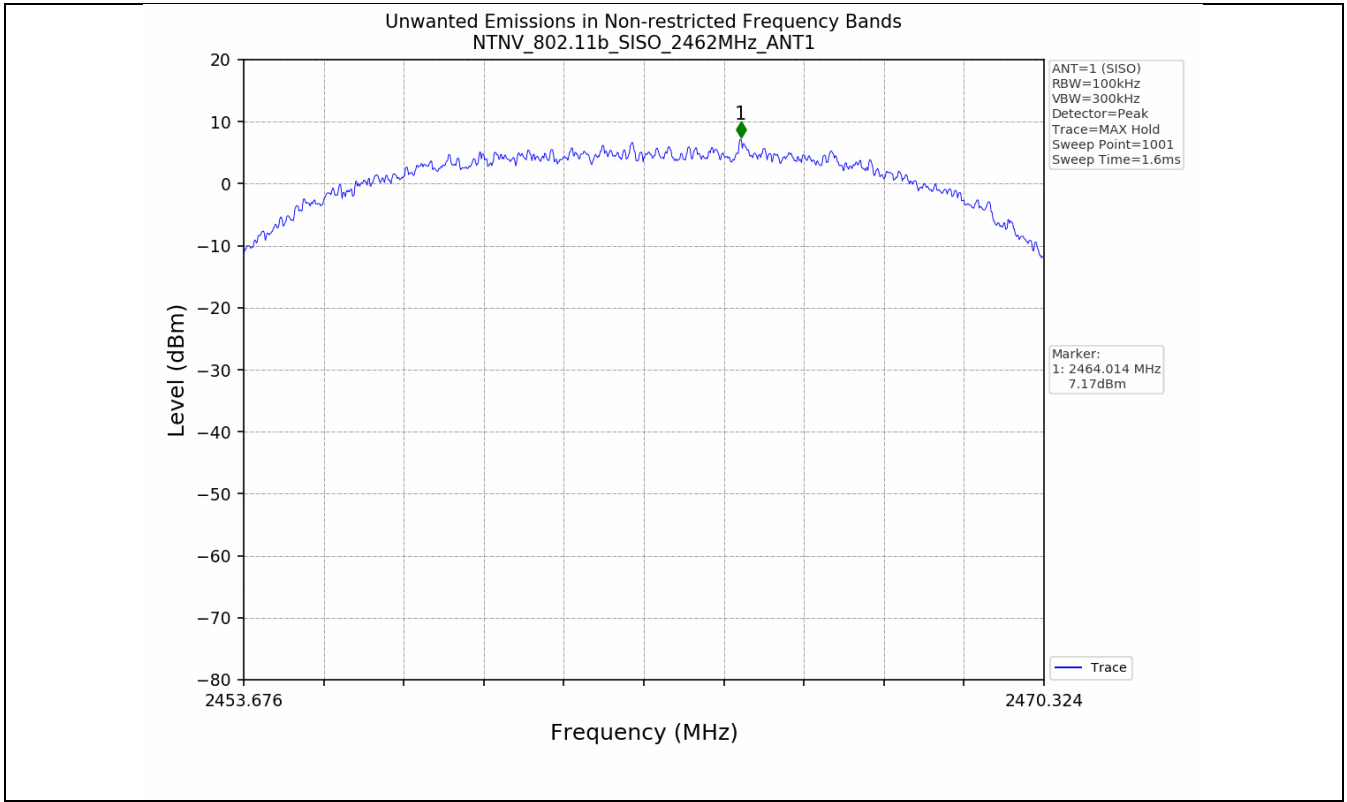


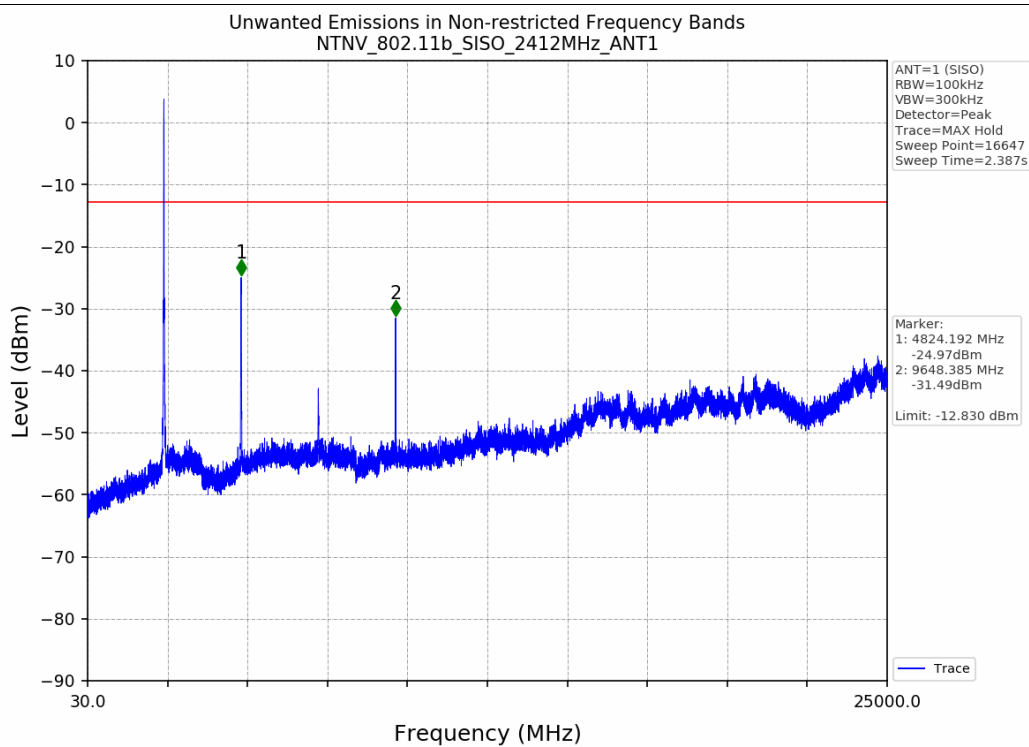
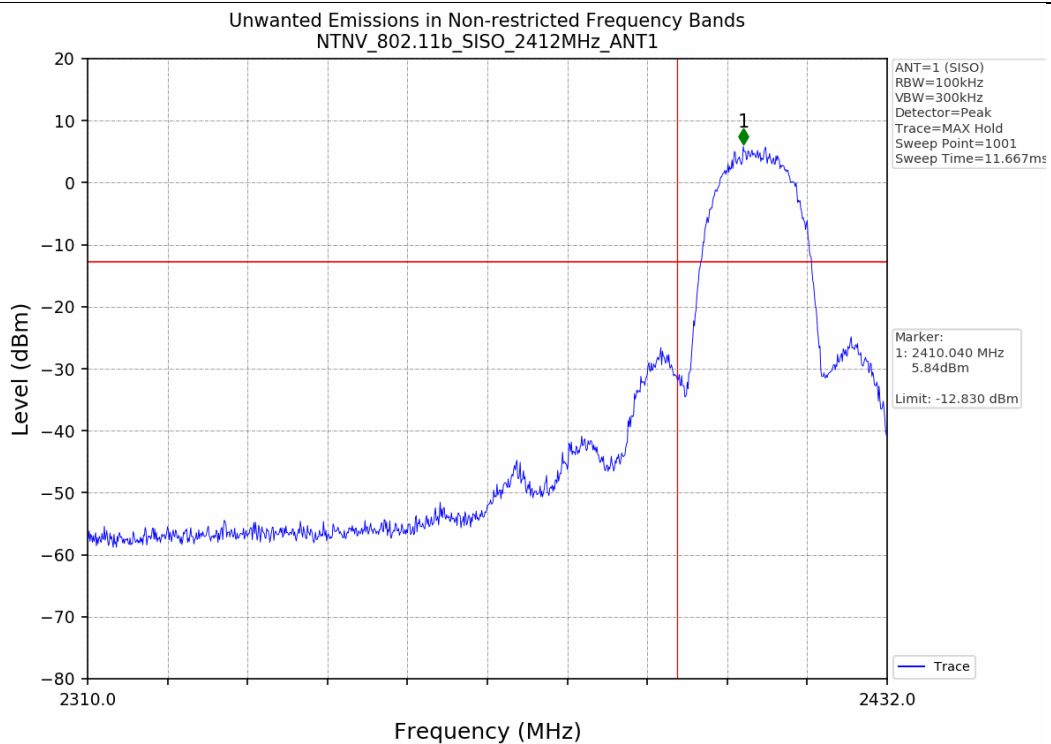
4. Unwanted Emissions in Non-restricted Frequency Bands

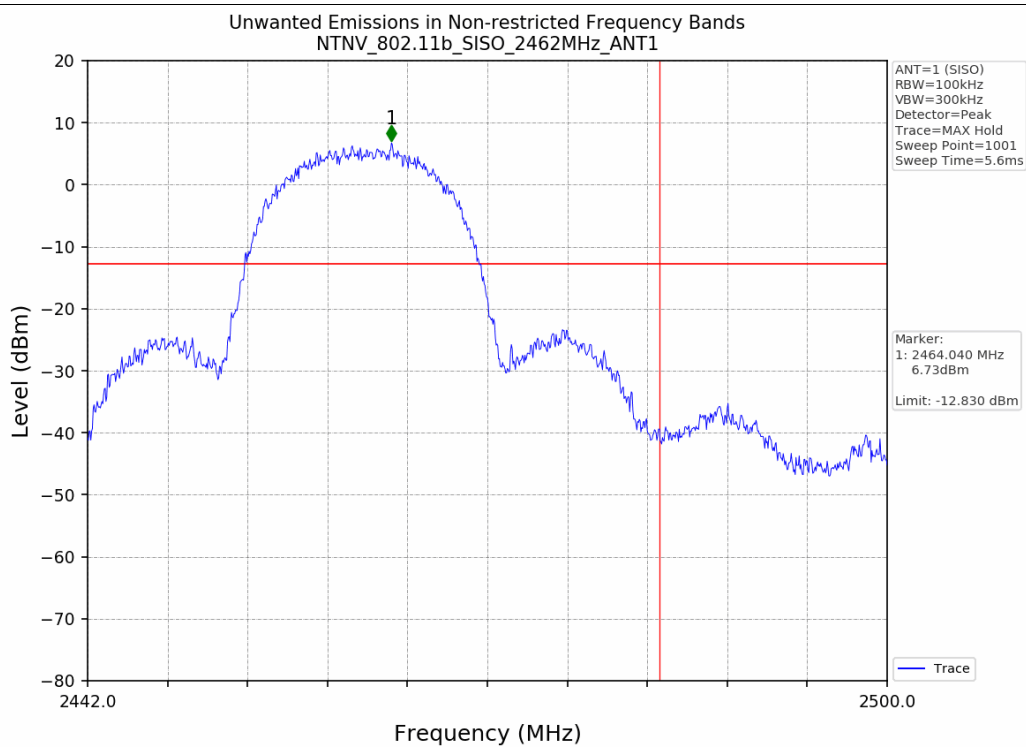
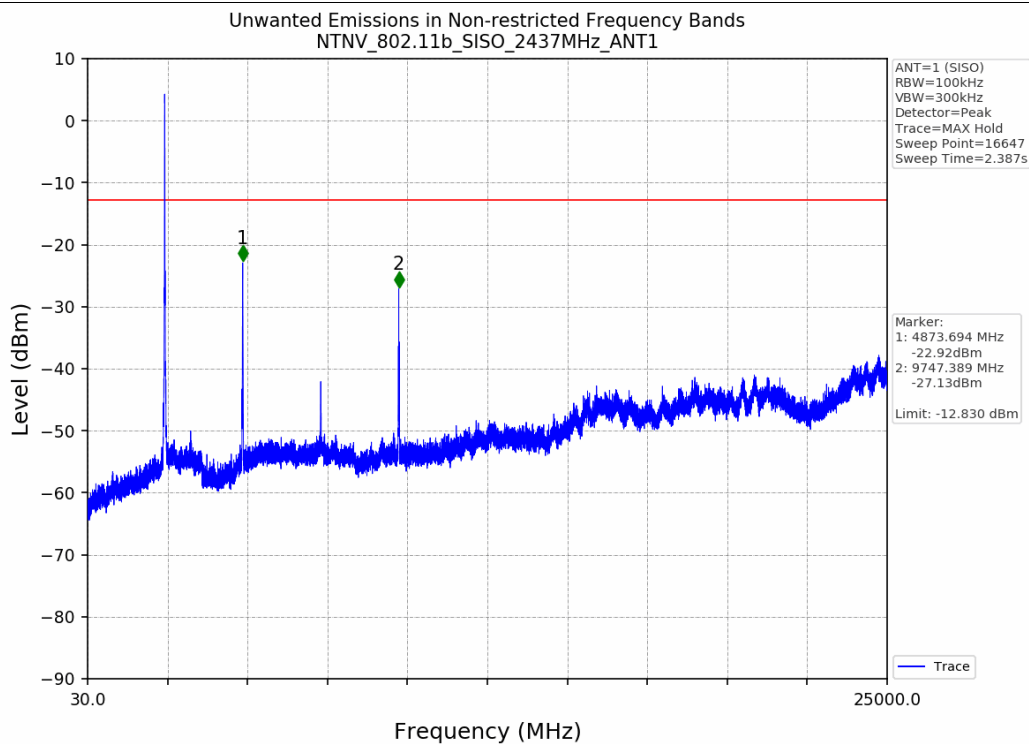
4.1 Test Result

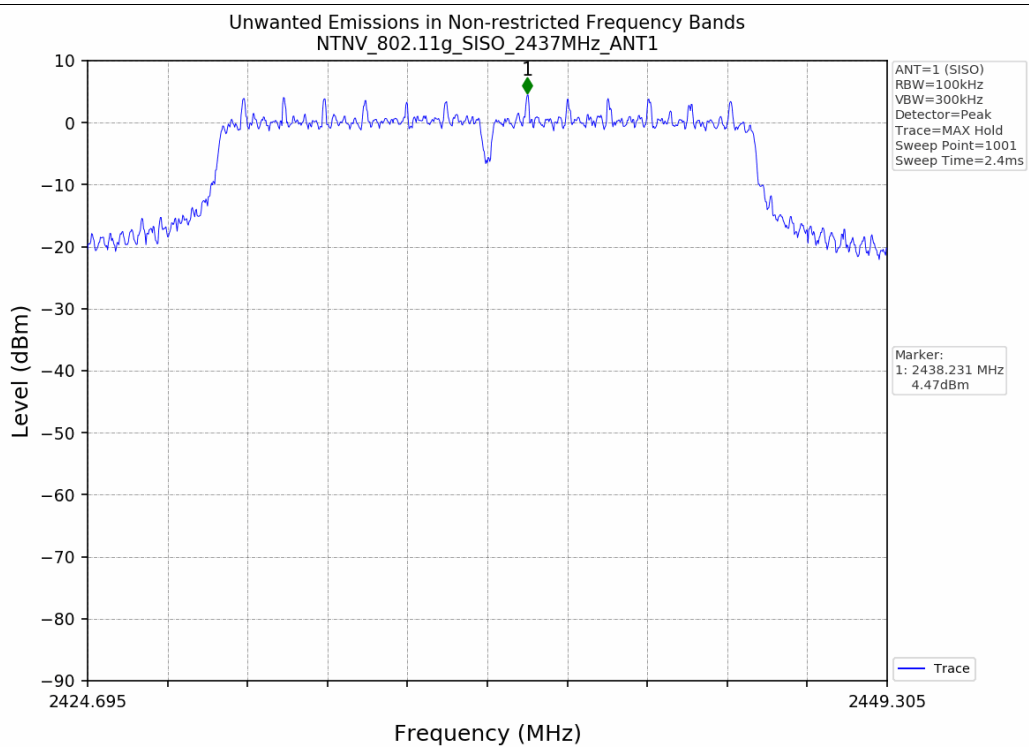
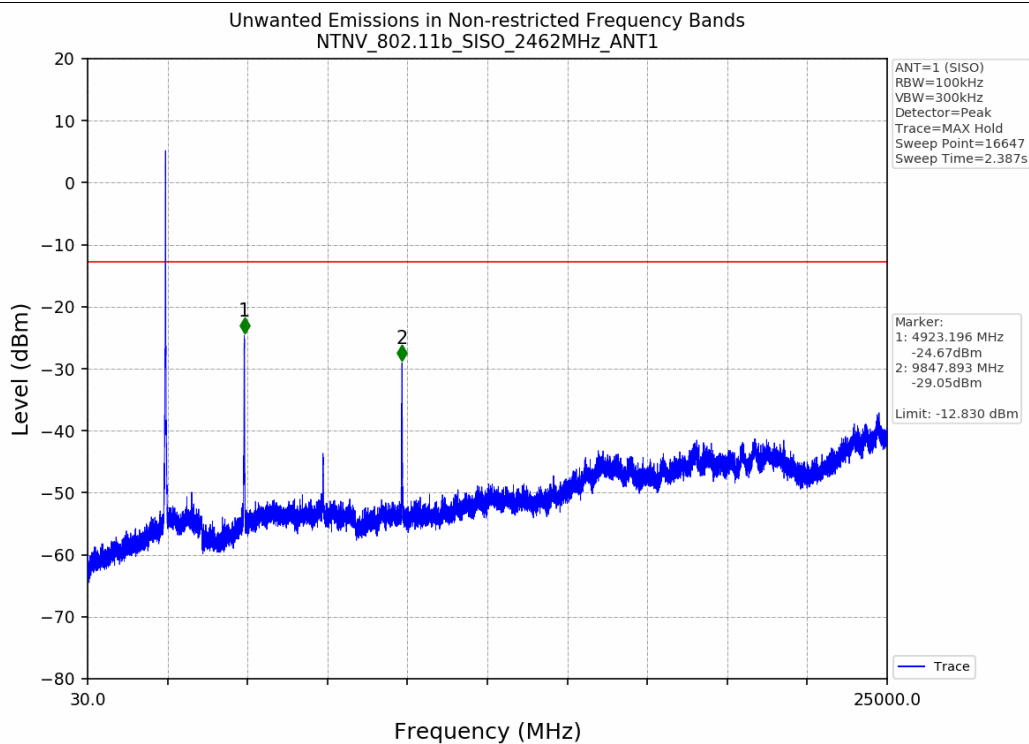
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-12.83	PASS
	2437	SISO	1	Refer to test graph	-12.83	PASS
	2462	SISO	1	Refer to test graph	-12.83	PASS
802.11g	2412	SISO	1	Refer to test graph	-15.53	PASS
	2437	SISO	1	Refer to test graph	-15.53	PASS
	2462	SISO	1	Refer to test graph	-15.53	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-15.72	PASS
	2437	SISO	1	Refer to test graph	-15.72	PASS
	2462	SISO	1	Refer to test graph	-15.72	PASS

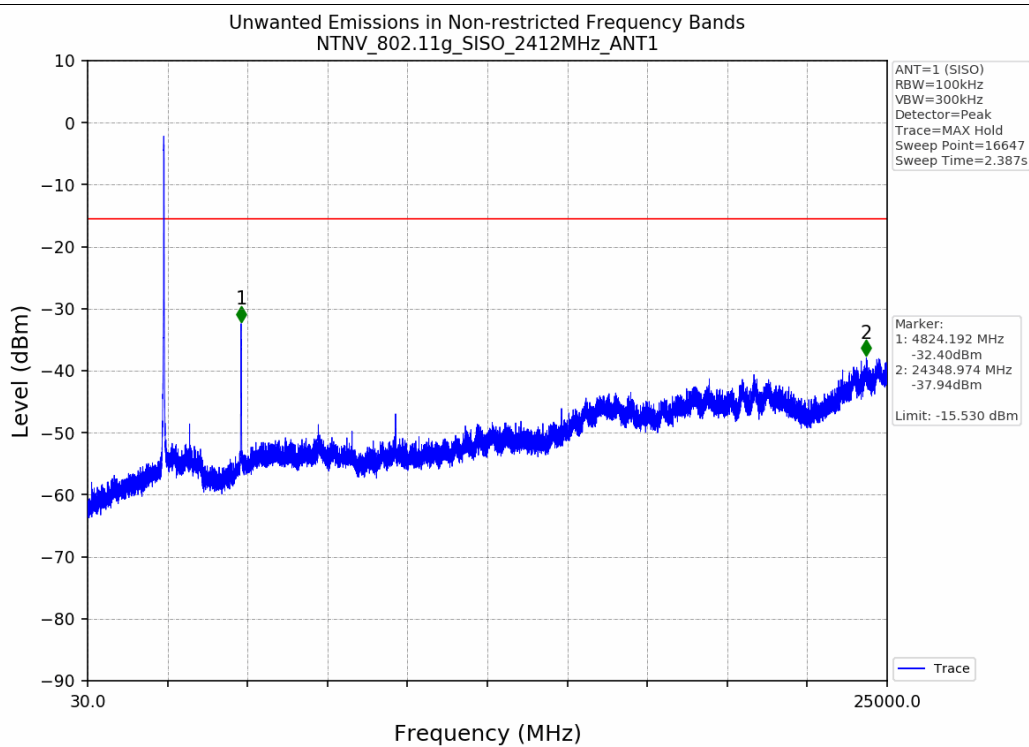
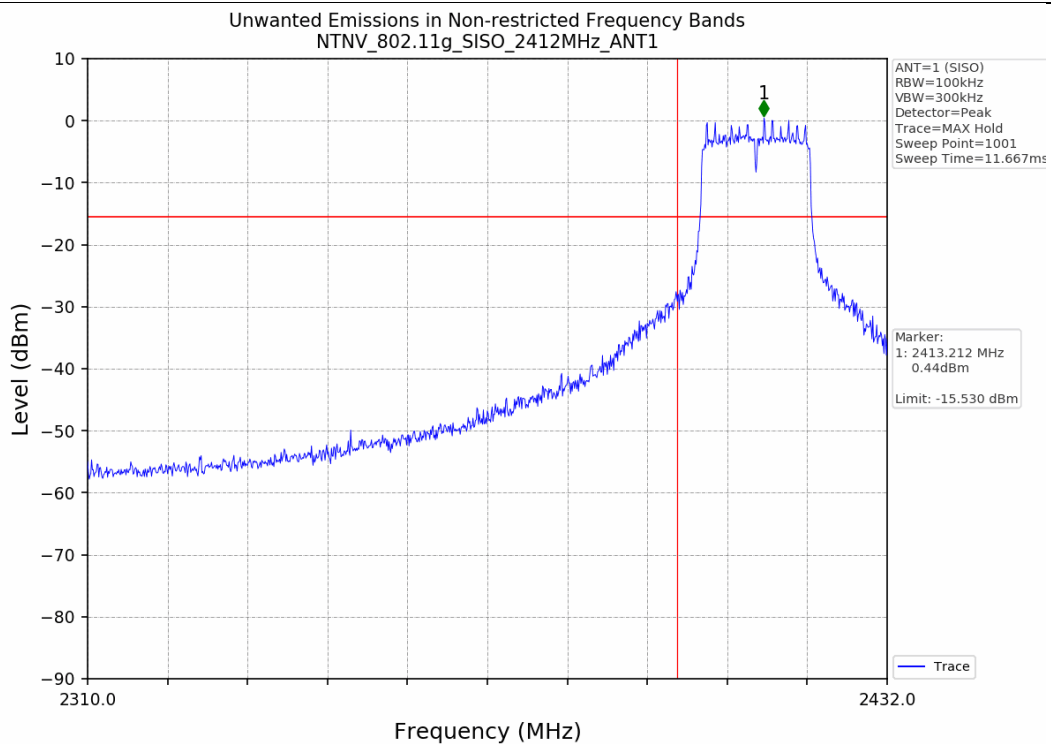
4.2 Test Graph

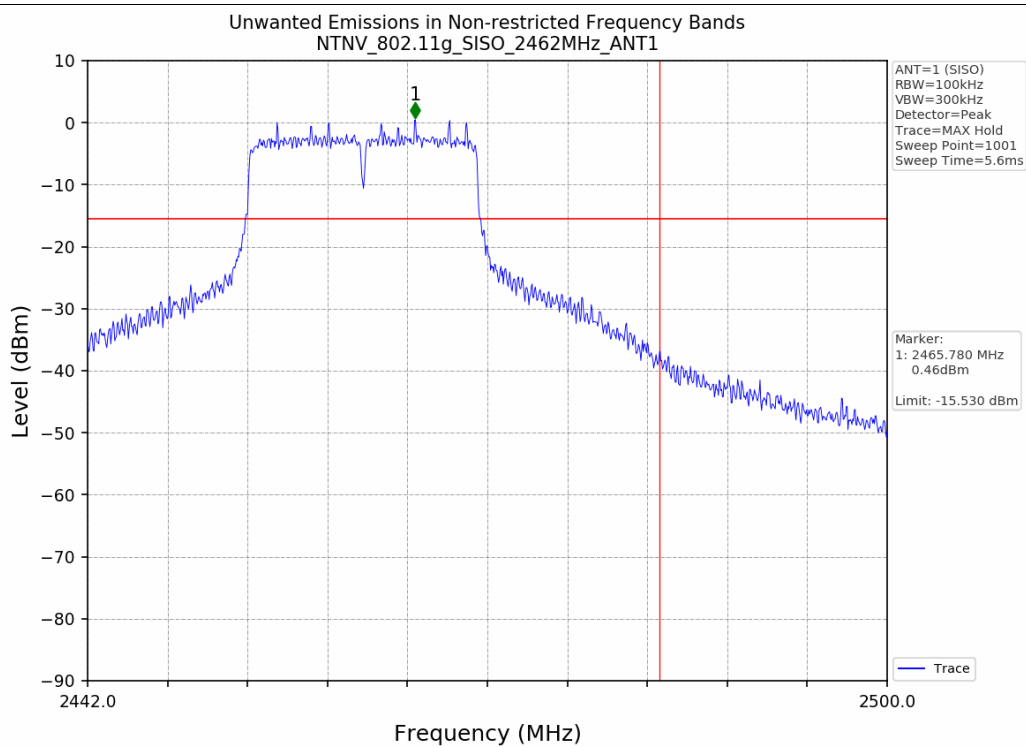
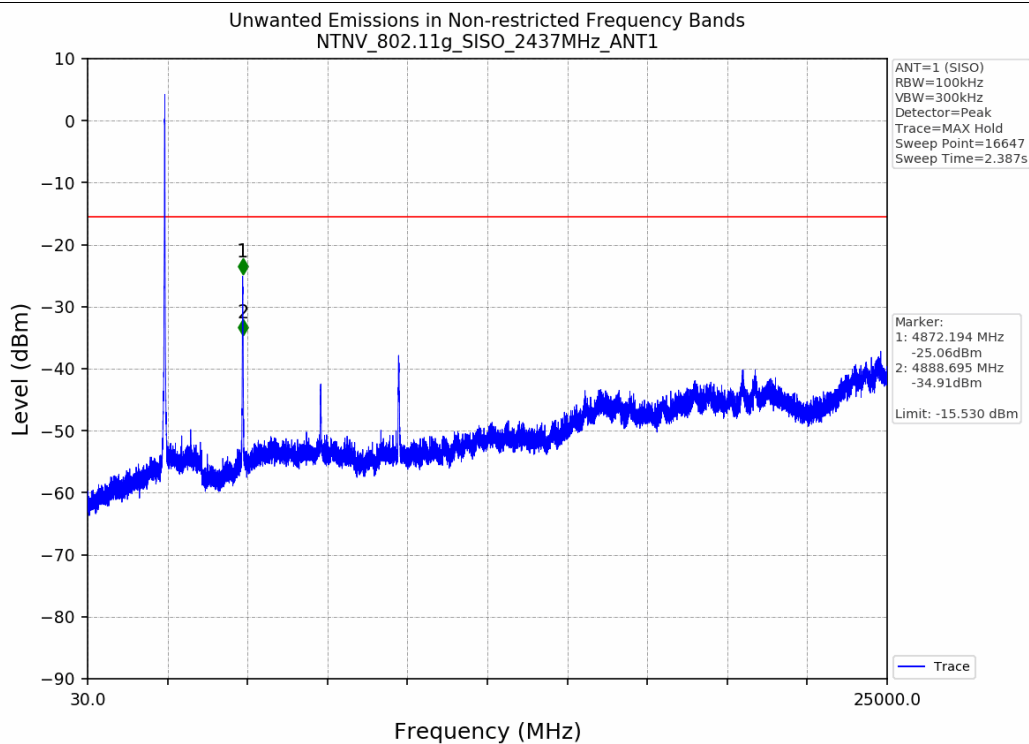


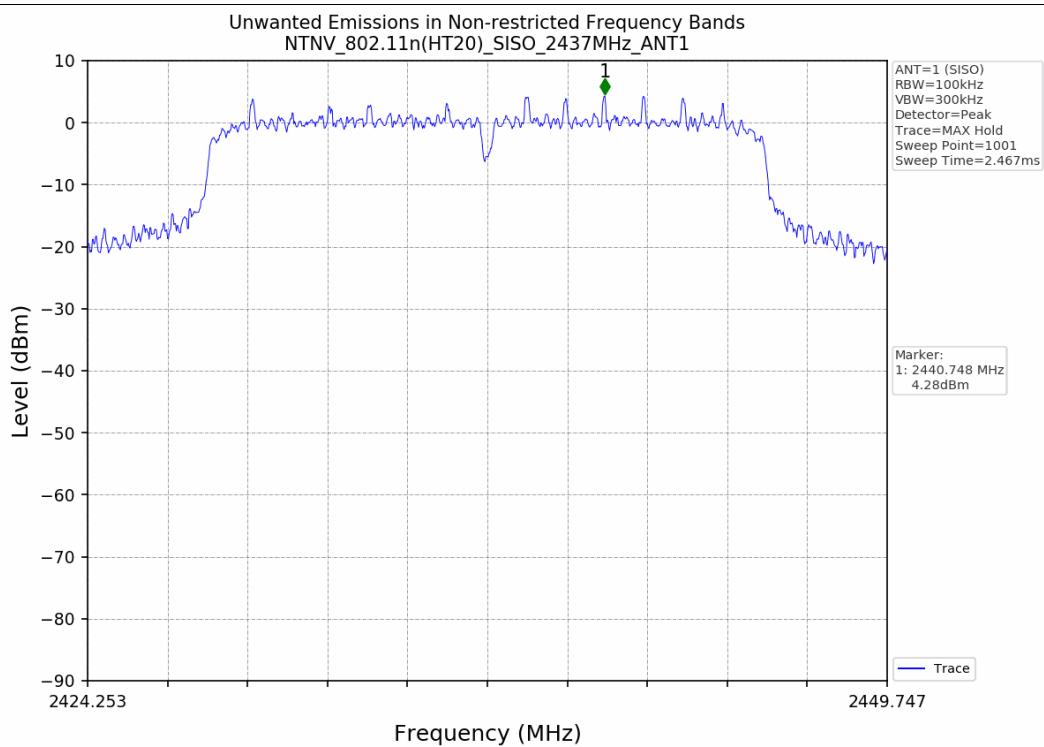
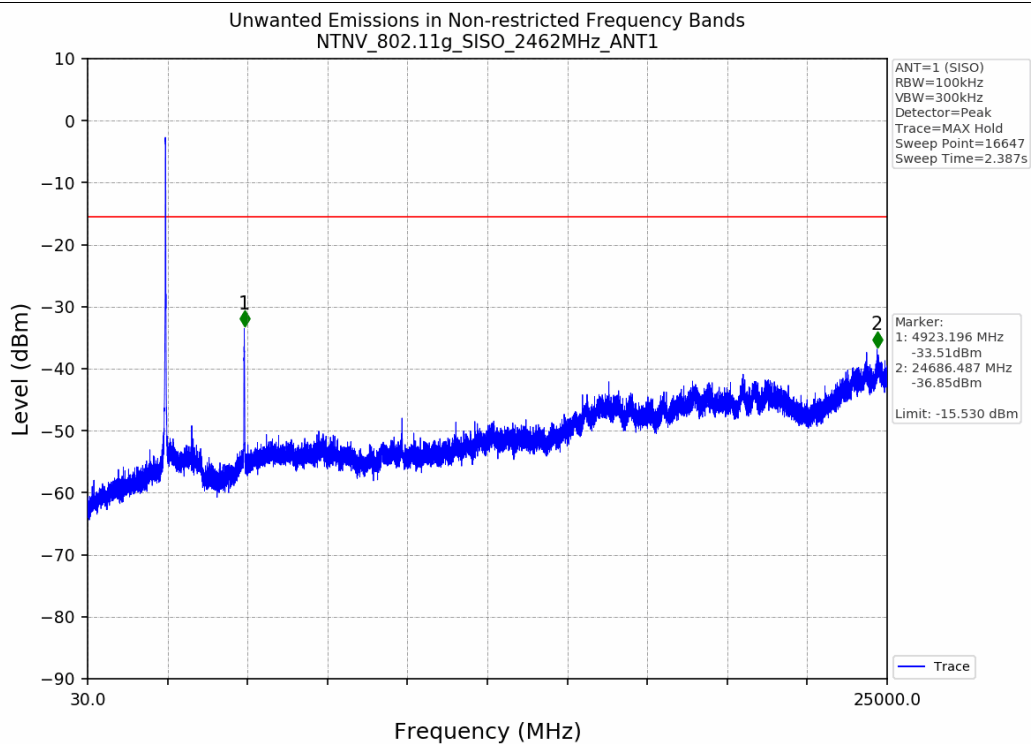


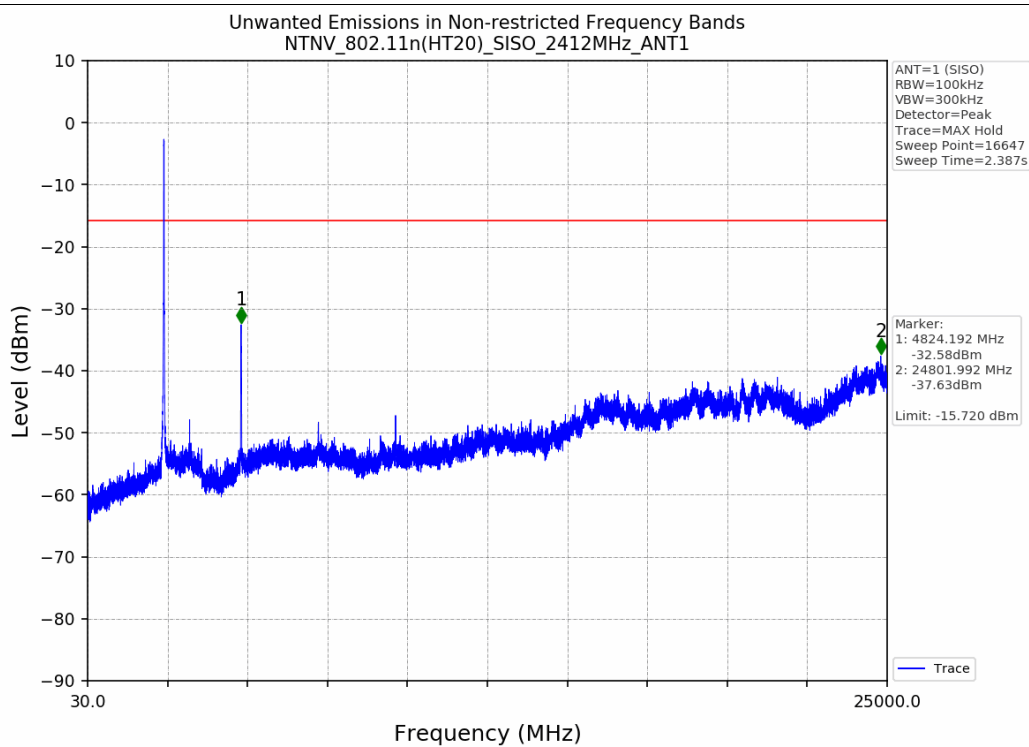
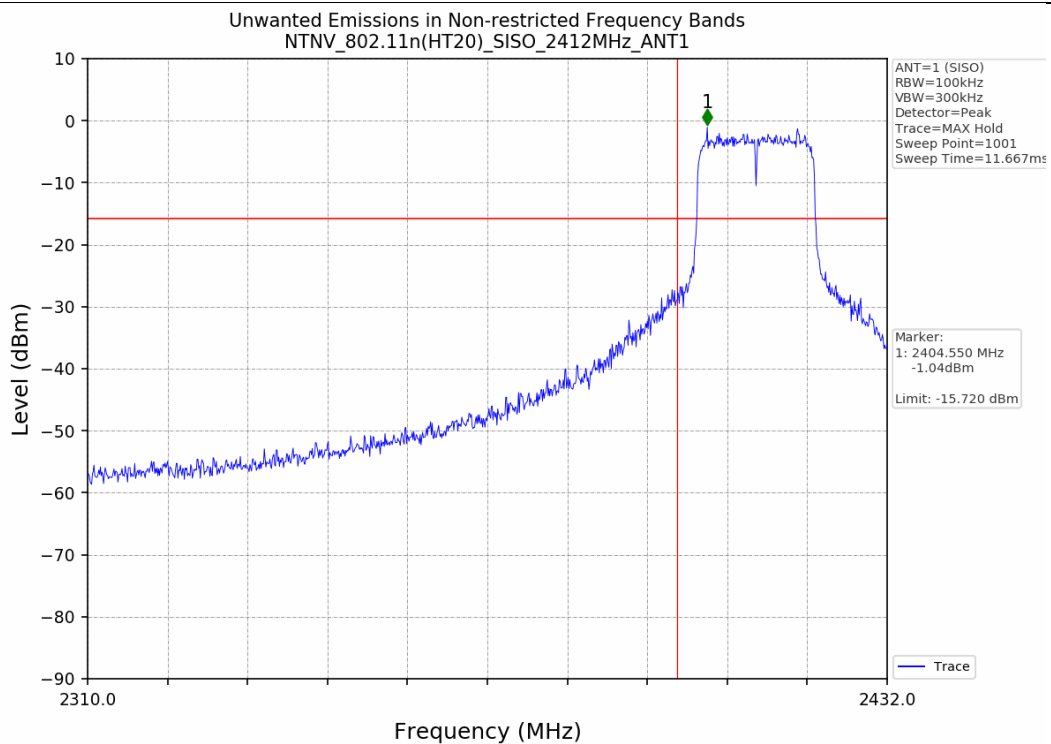


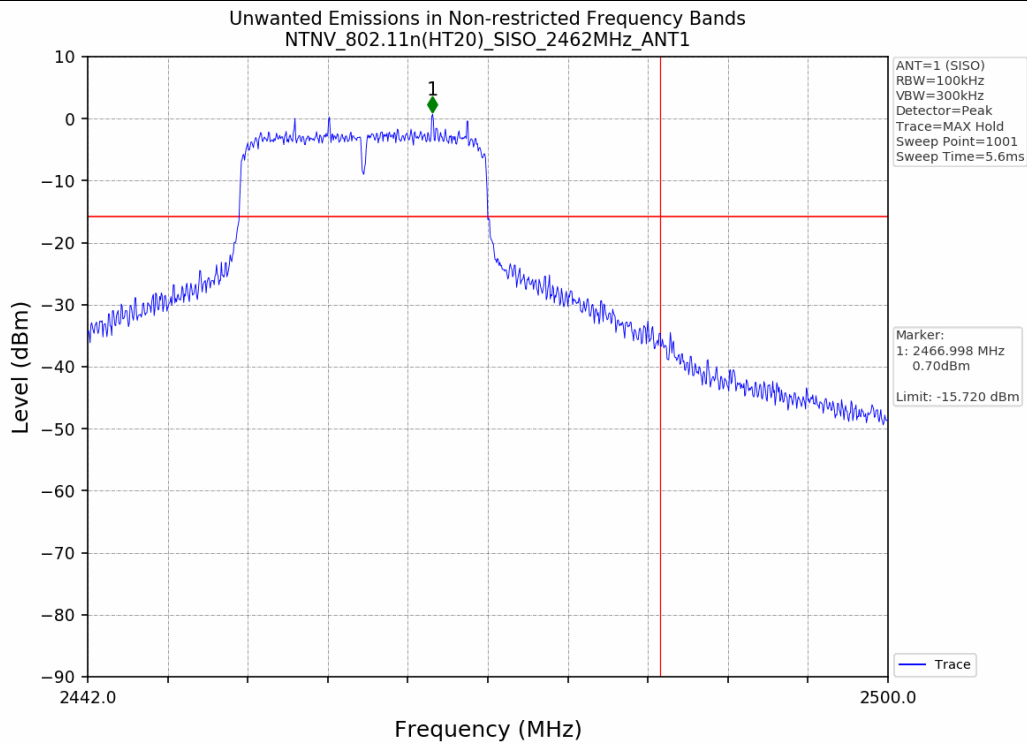
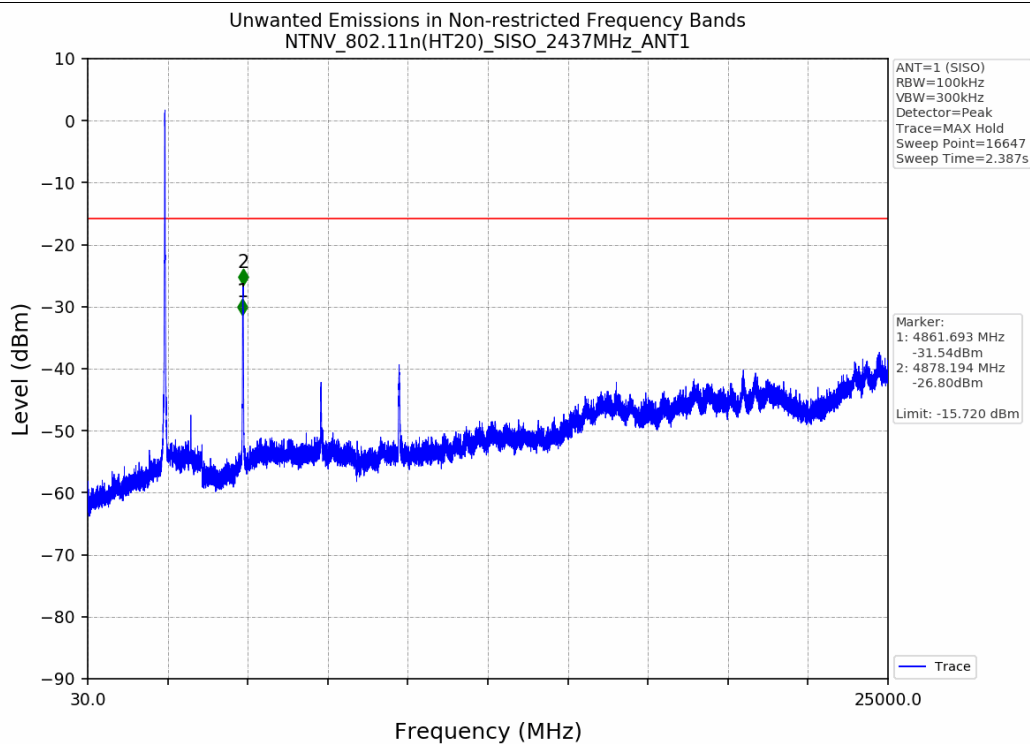












Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_SISO_2462MHz_ANT1

