

Appendix for FCC and IC

Report No. CTL2011231091-WF and CTL2011231091-IC

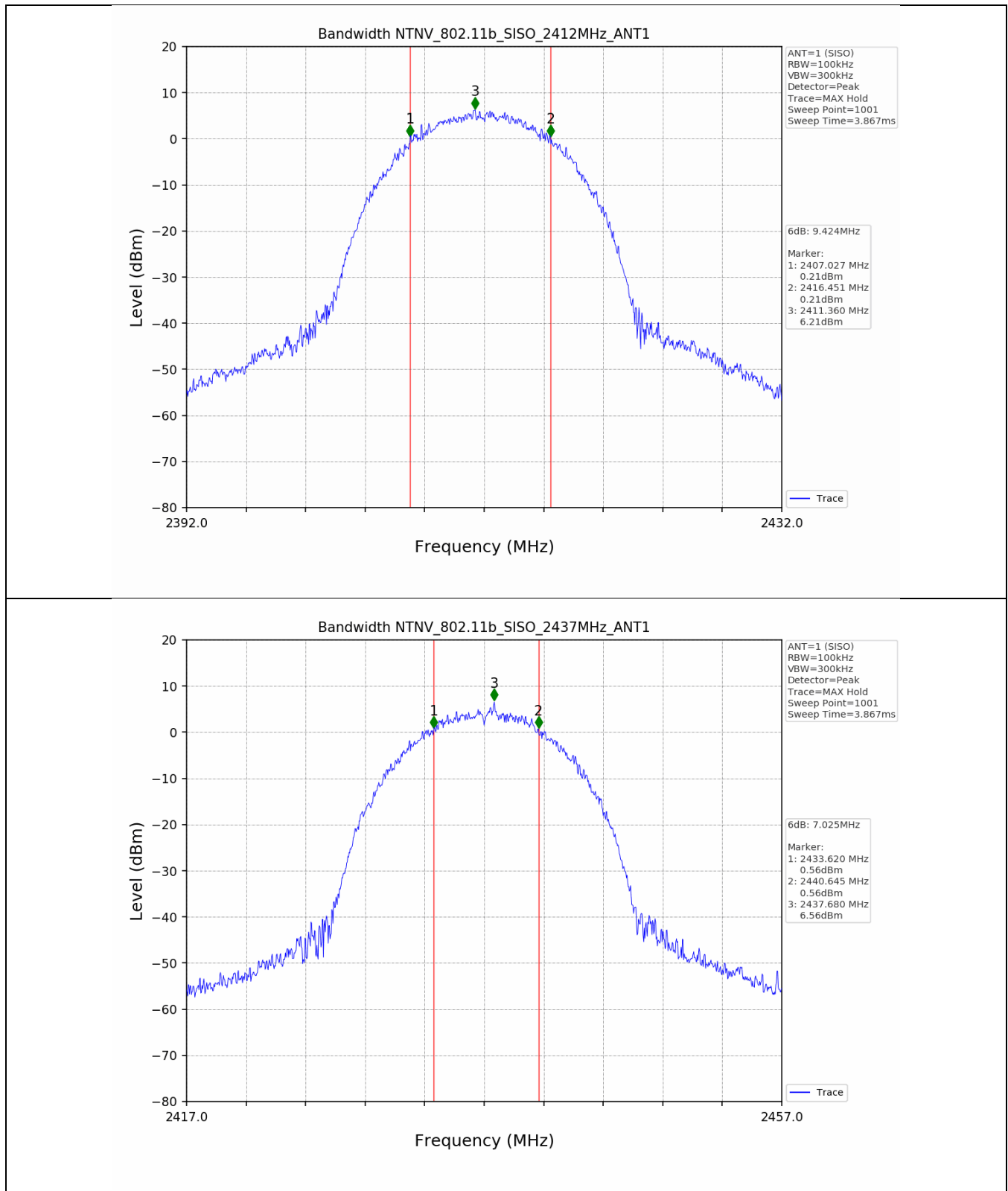
1. Bandwidth

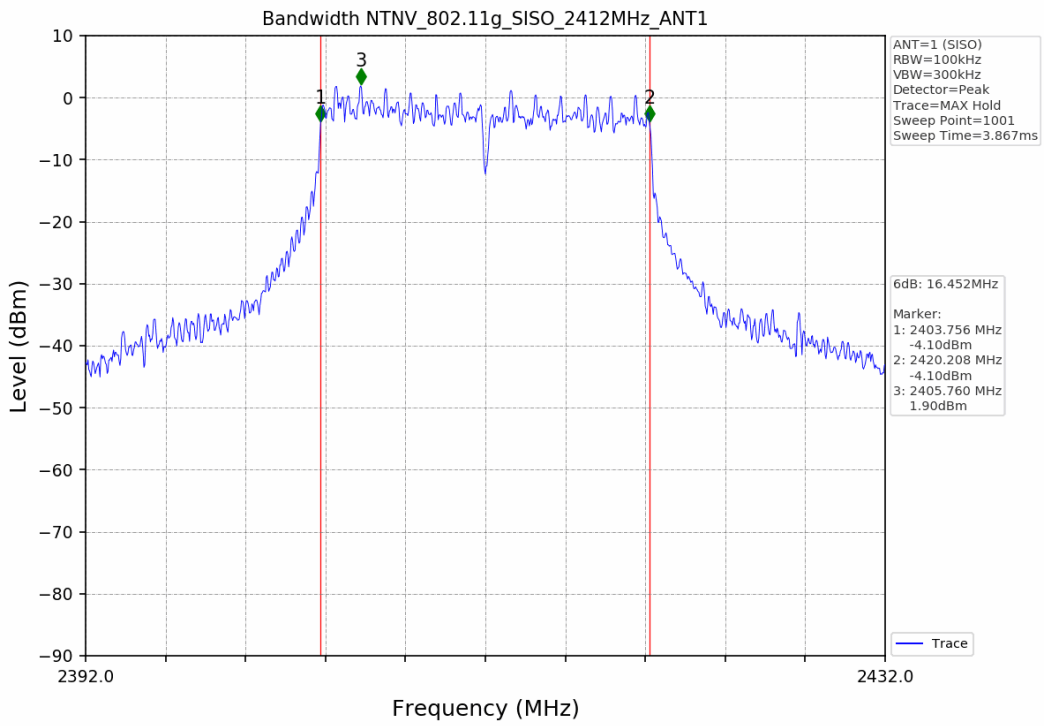
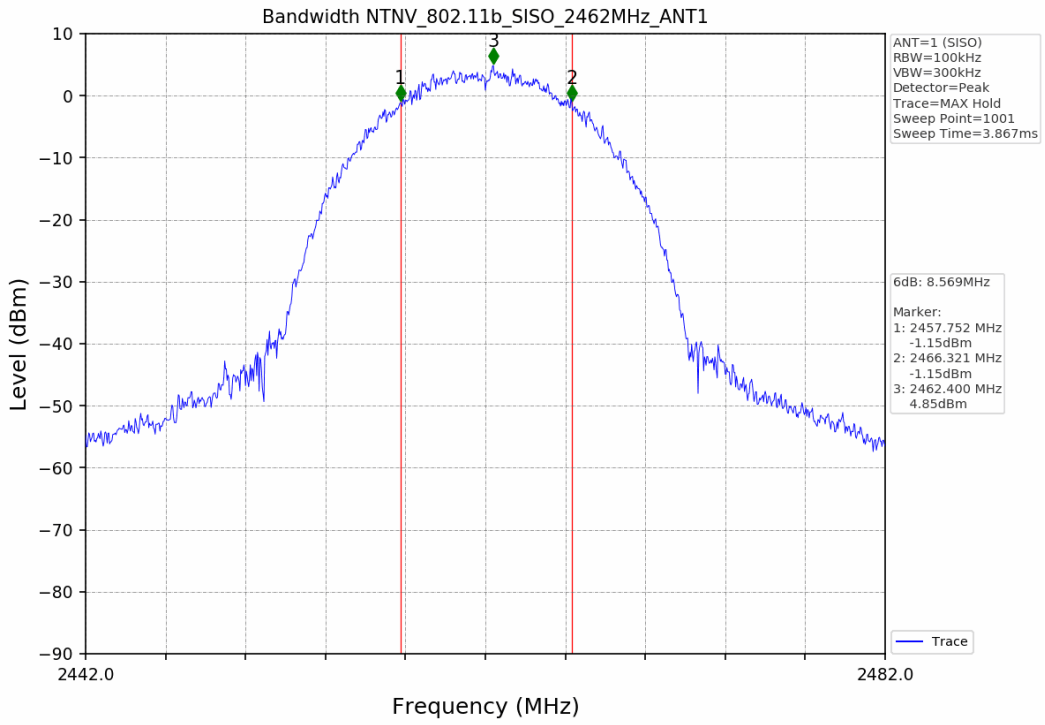
1.1 Test Result

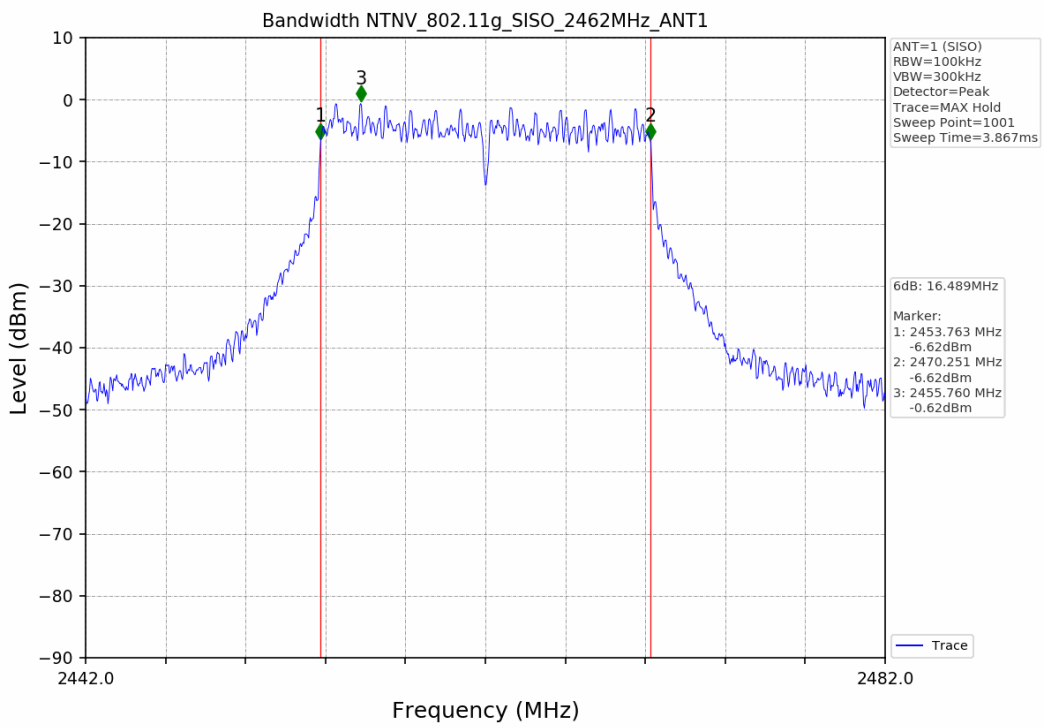
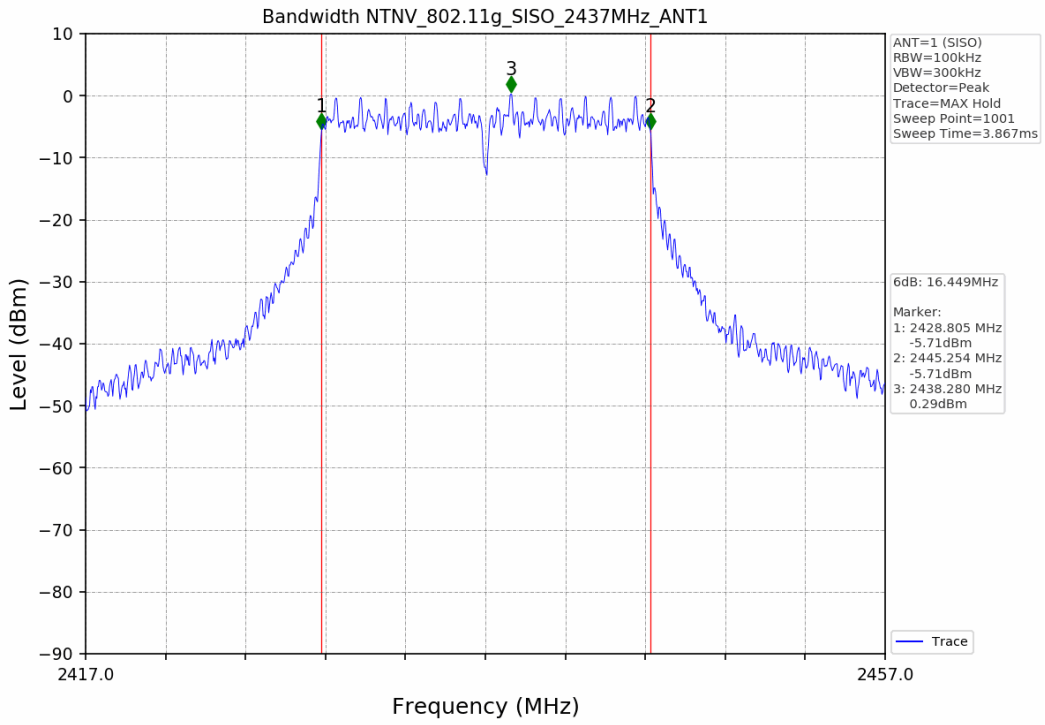
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	9.424	≥0.5	PASS
	2437	SISO	1	7.025	≥0.5	PASS
	2462	SISO	1	8.569	≥0.5	PASS
802.11g	2412	SISO	1	16.452	≥0.5	PASS
	2437	SISO	1	16.449	≥0.5	PASS
	2462	SISO	1	16.489	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.342	≥0.5	PASS
	2437	SISO	1	17.643	≥0.5	PASS
	2462	SISO	1	17.671	≥0.5	PASS

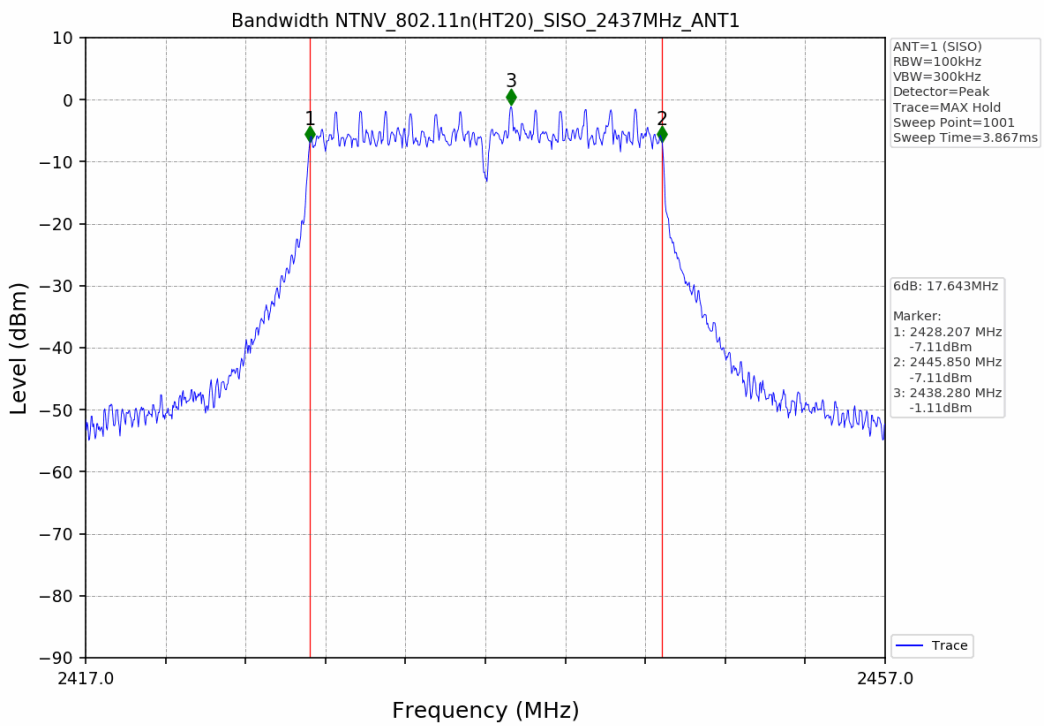
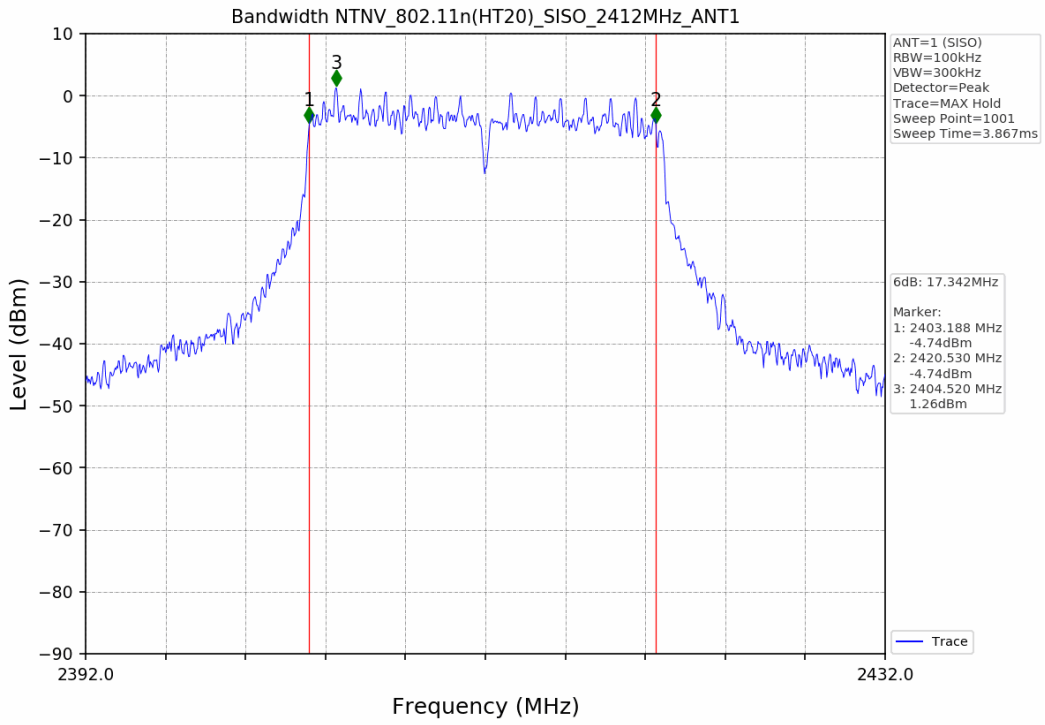
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	13.450	Only for Report Use
	2437	SISO	1	13.317	Only for Report Use
	2462	SISO	1	13.493	Only for Report Use
802.11g	2412	SISO	1	16.748	Only for Report Use
	2437	SISO	1	16.719	Only for Report Use
	2462	SISO	1	16.811	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.824	Only for Report Use
	2437	SISO	1	17.803	Only for Report Use
	2462	SISO	1	17.759	Only for Report Use

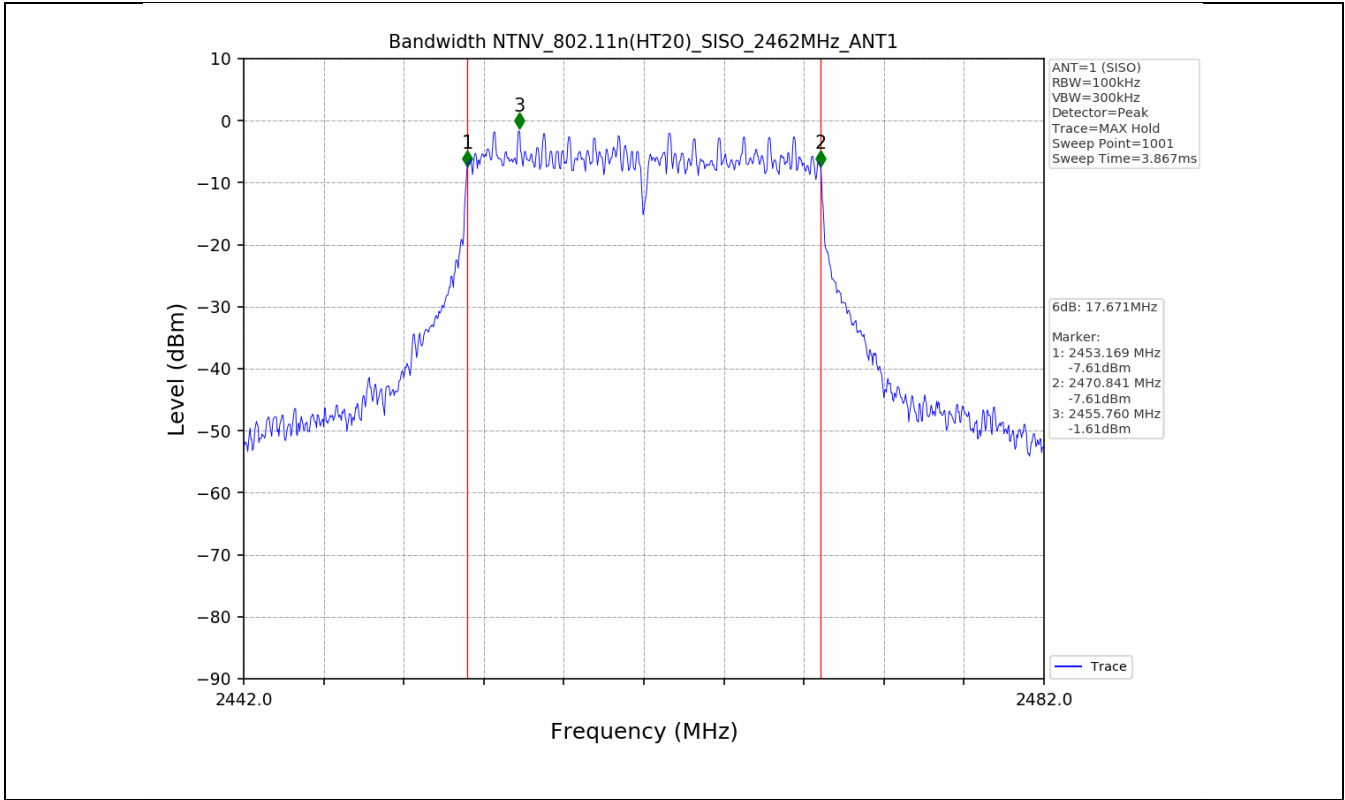
1.2 Test Graph - 6dB Bandwidth



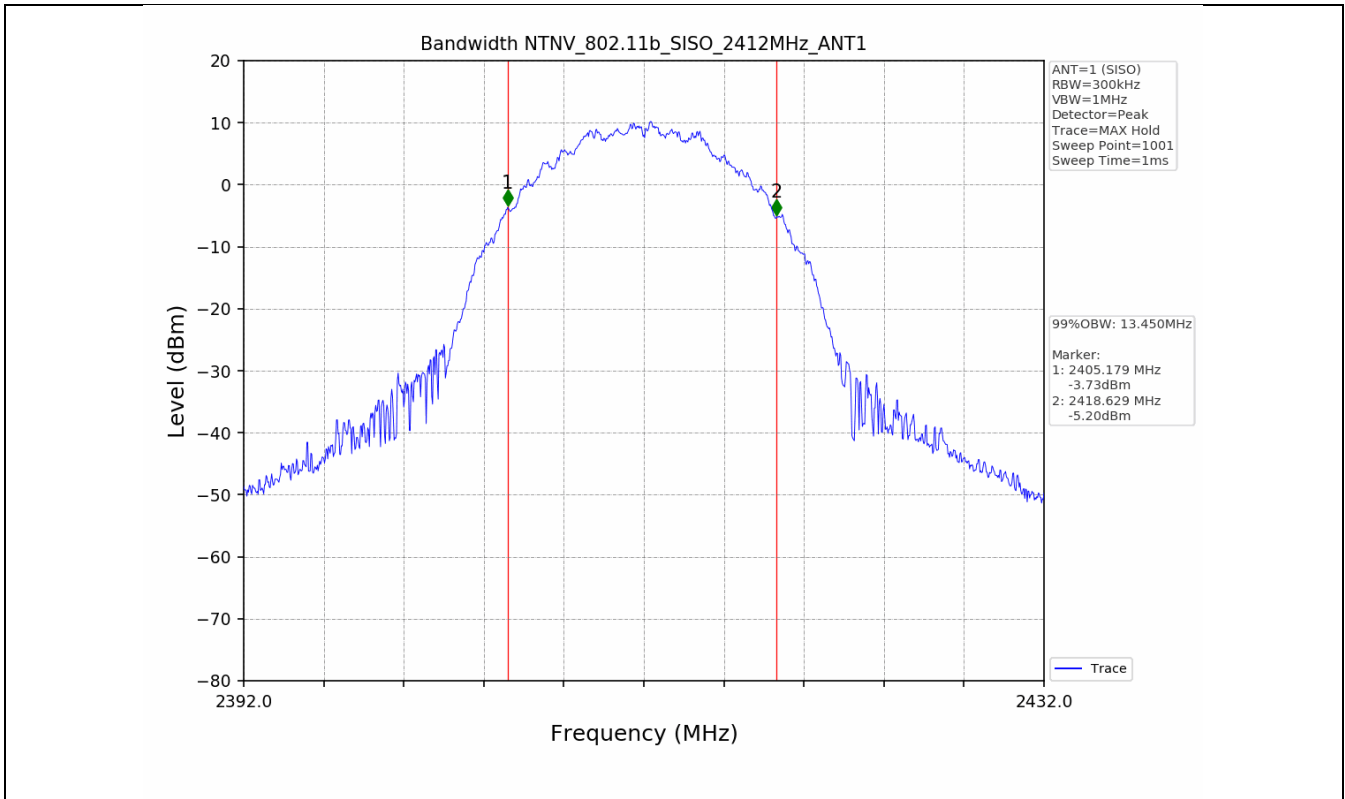


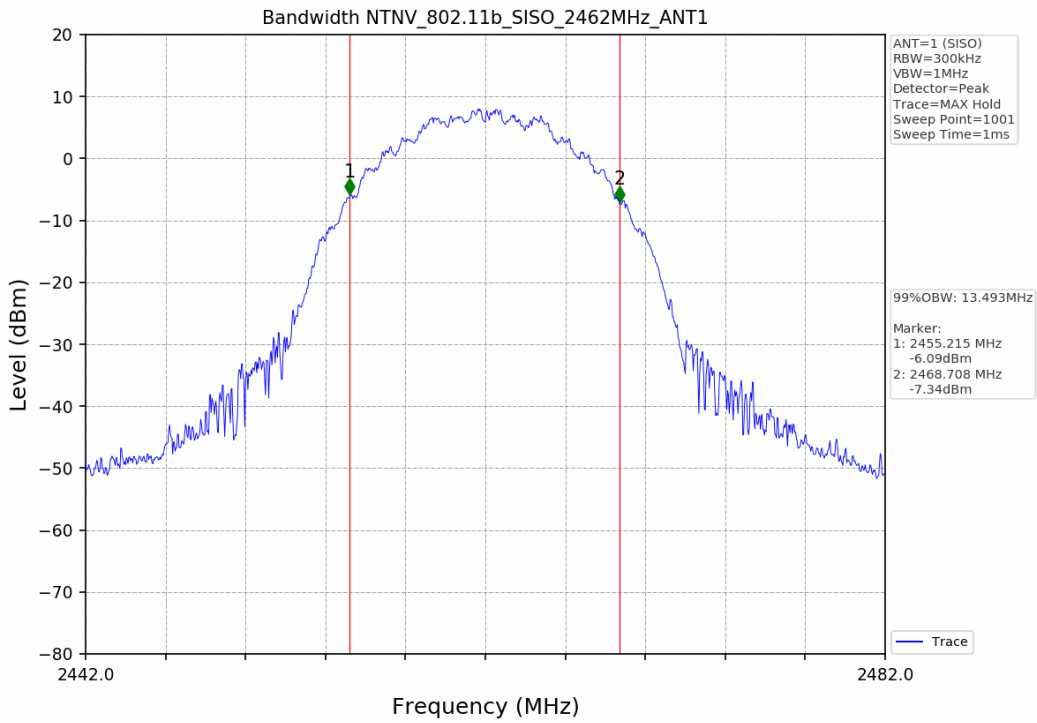
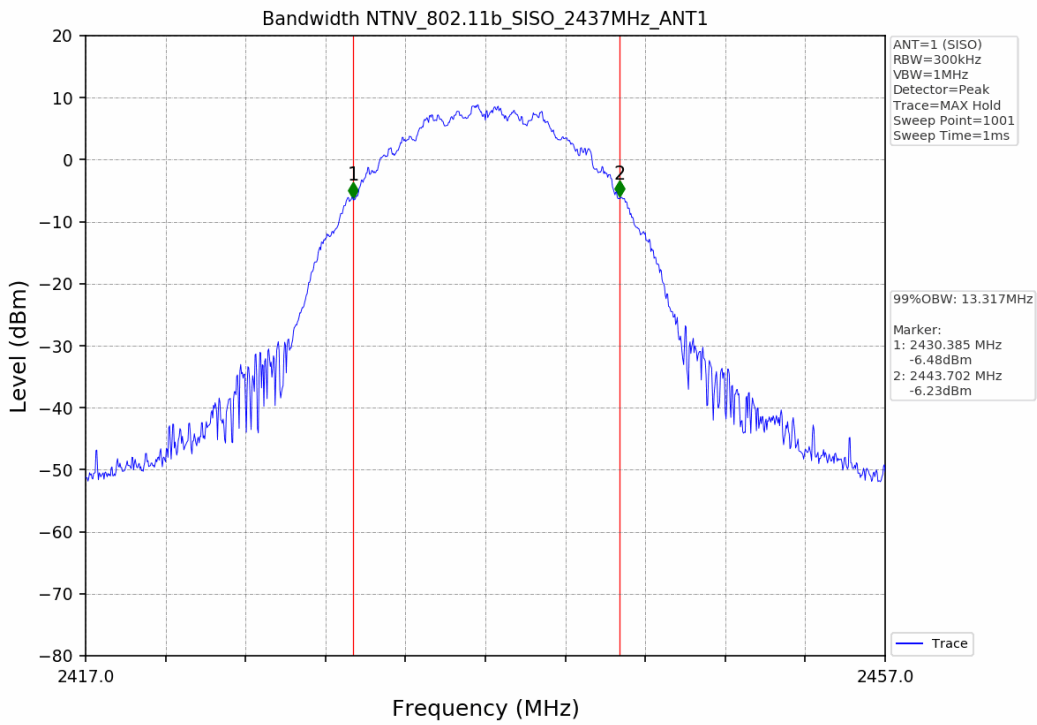


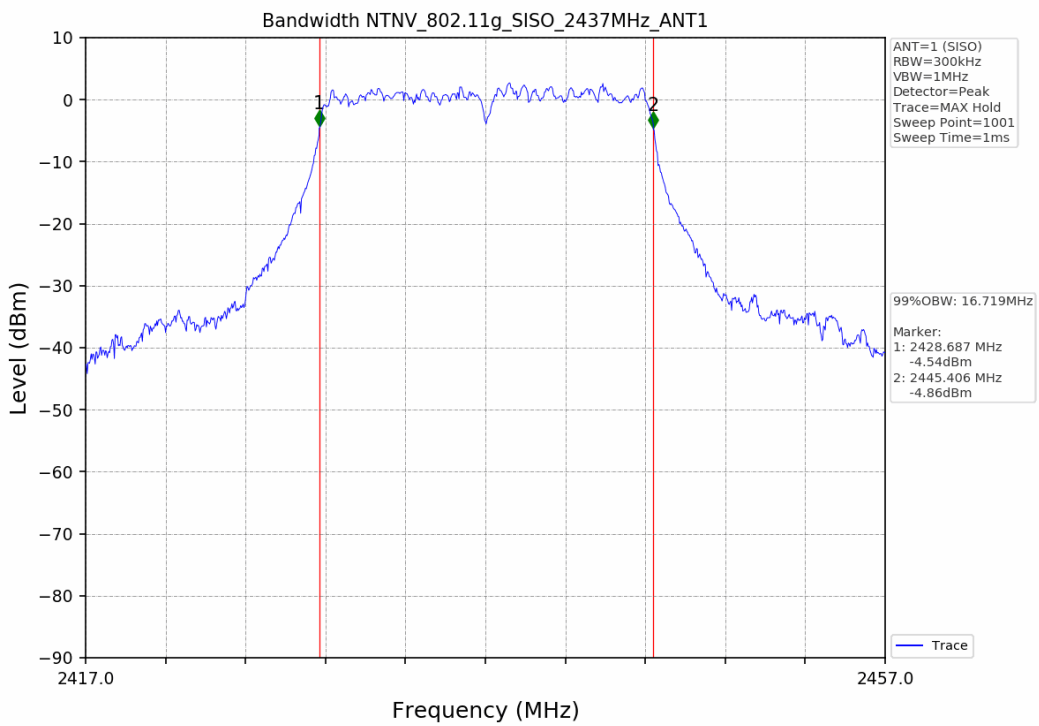
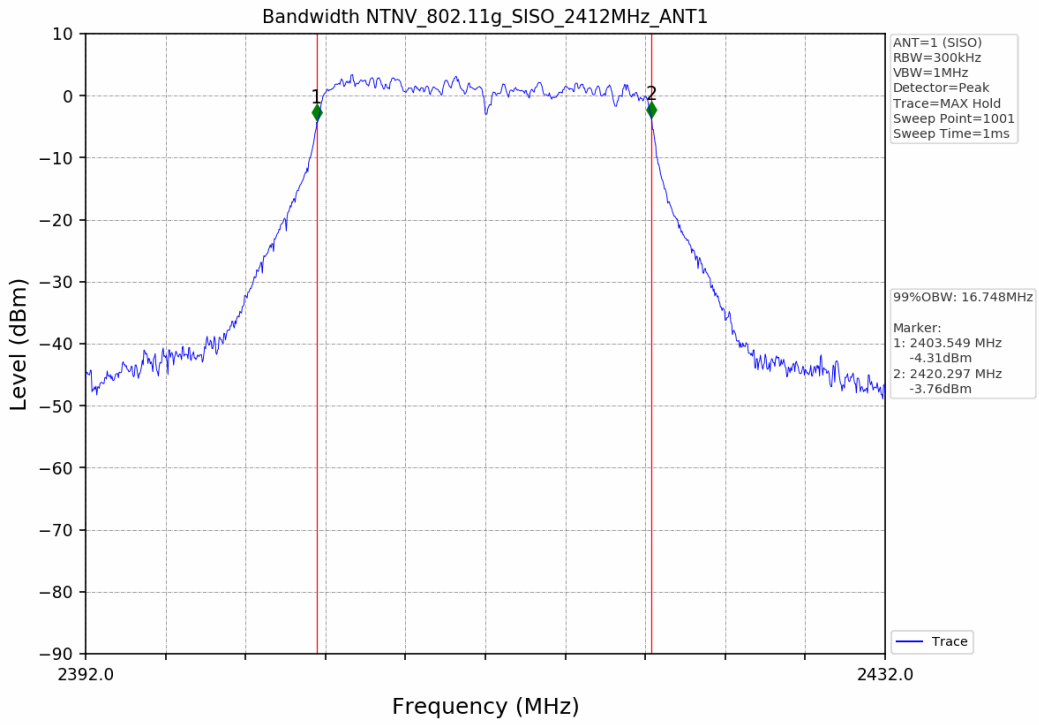


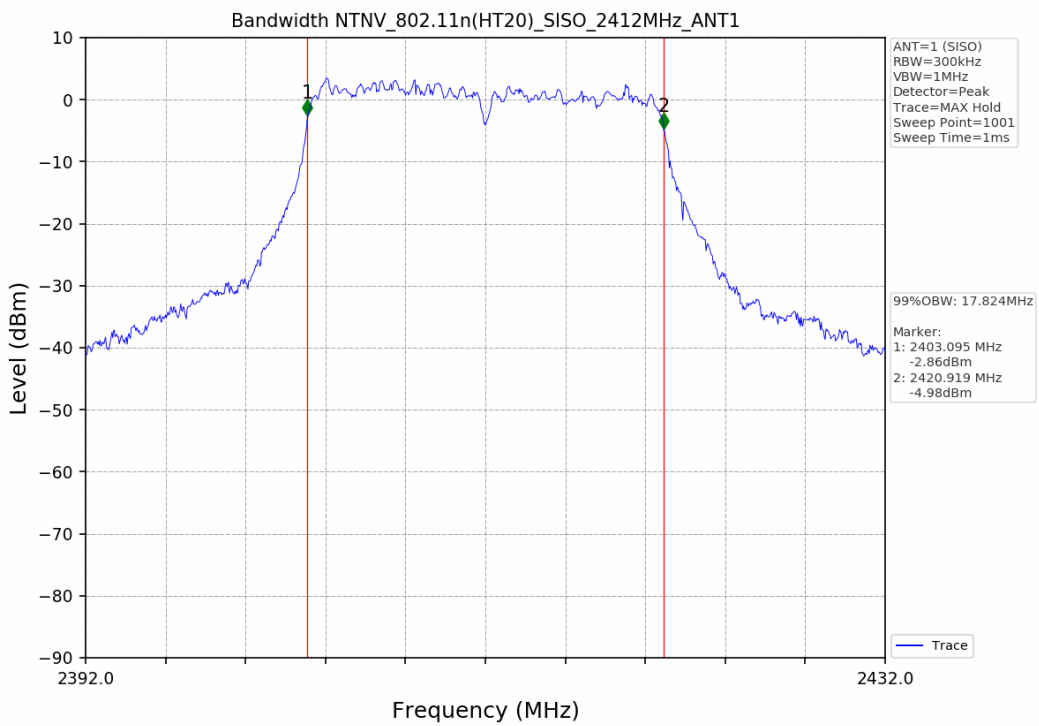
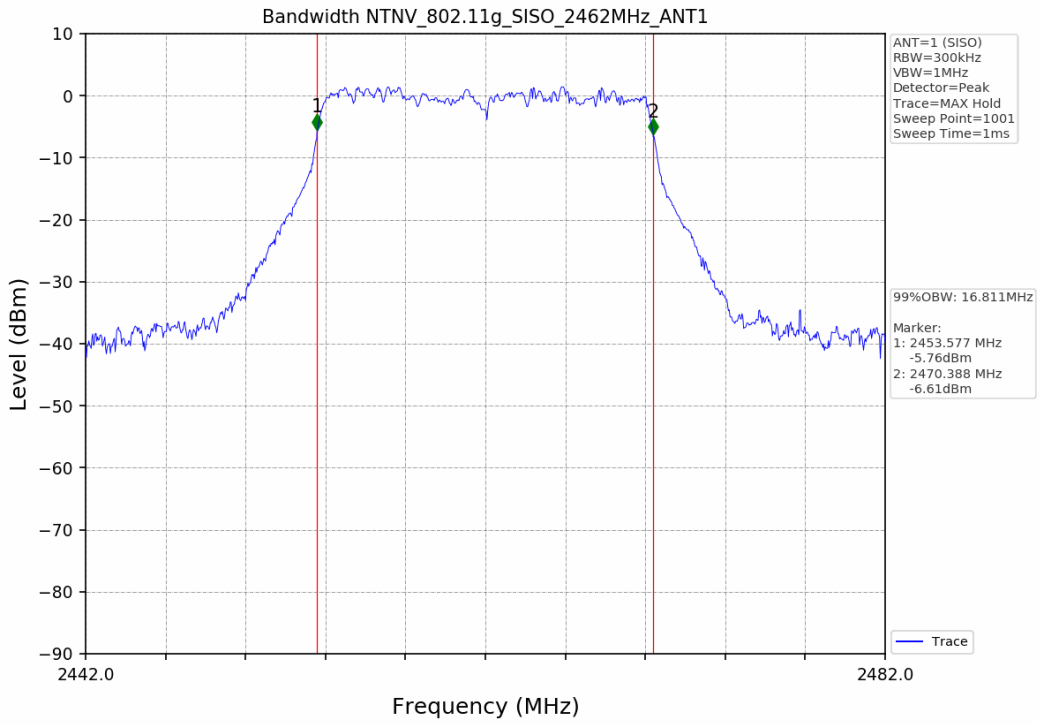


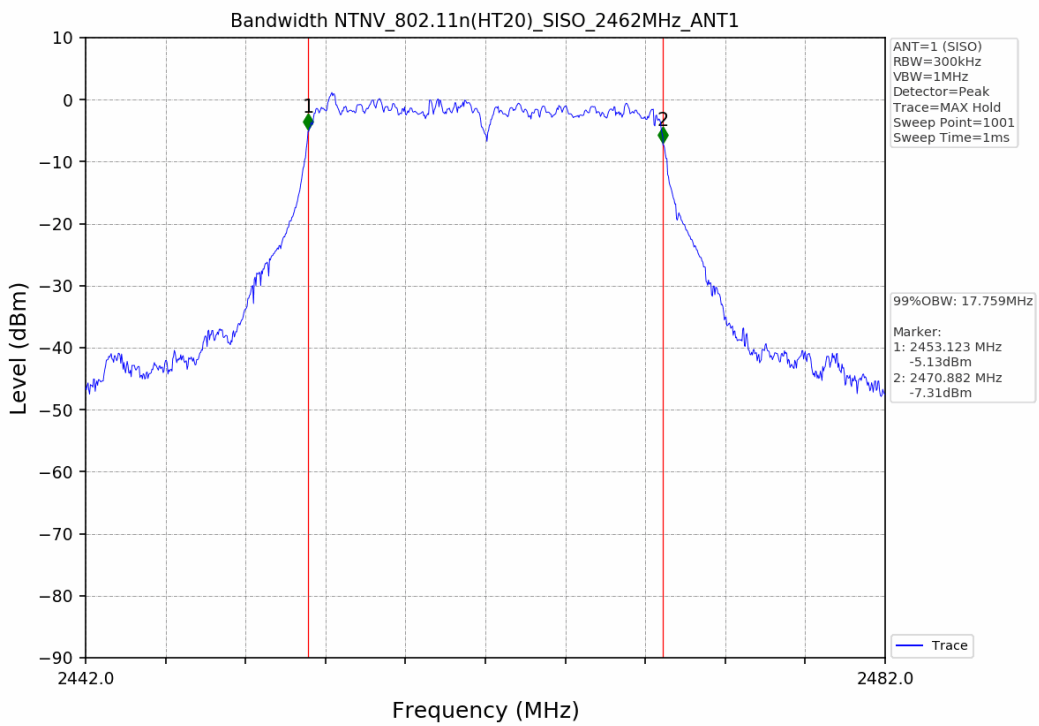
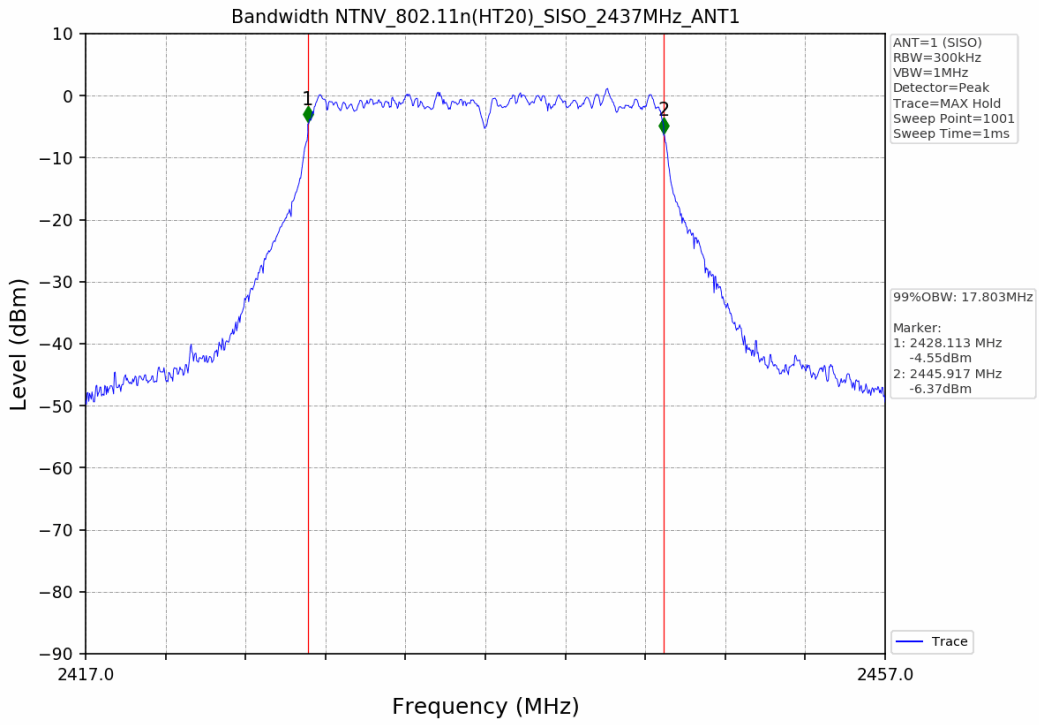
1.3 Test Graph - 99% Occupied Bandwidth









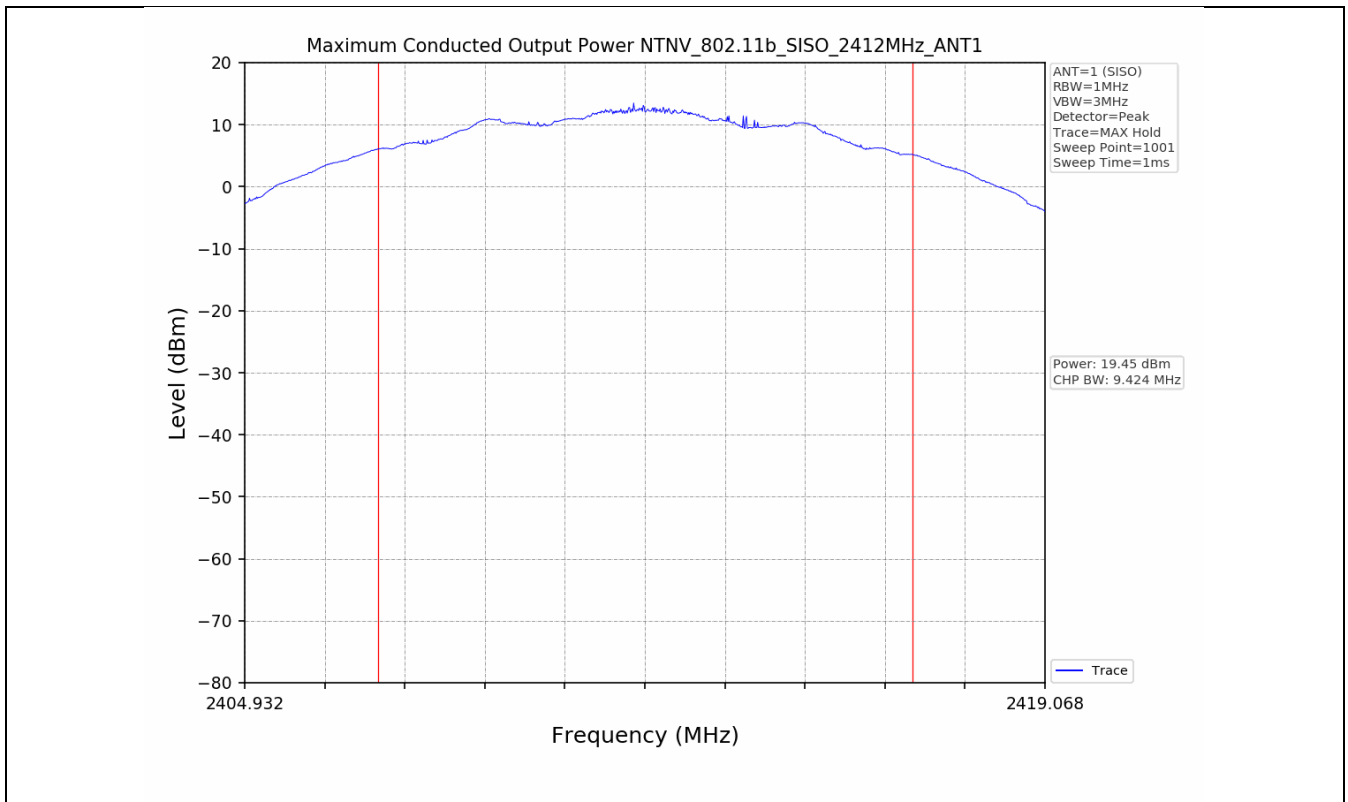


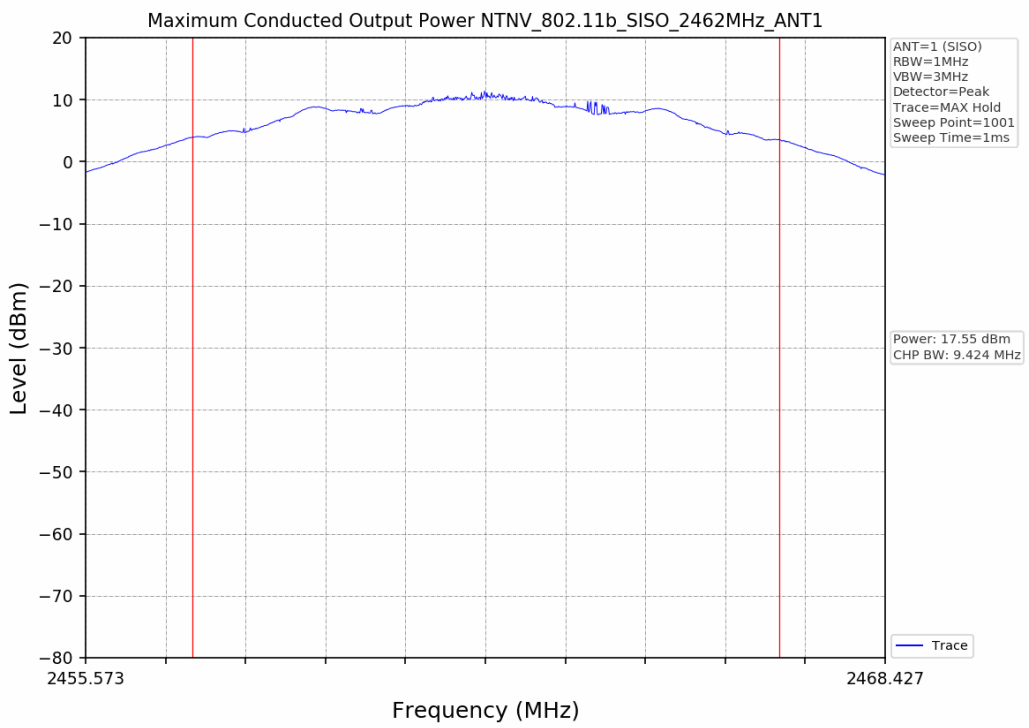
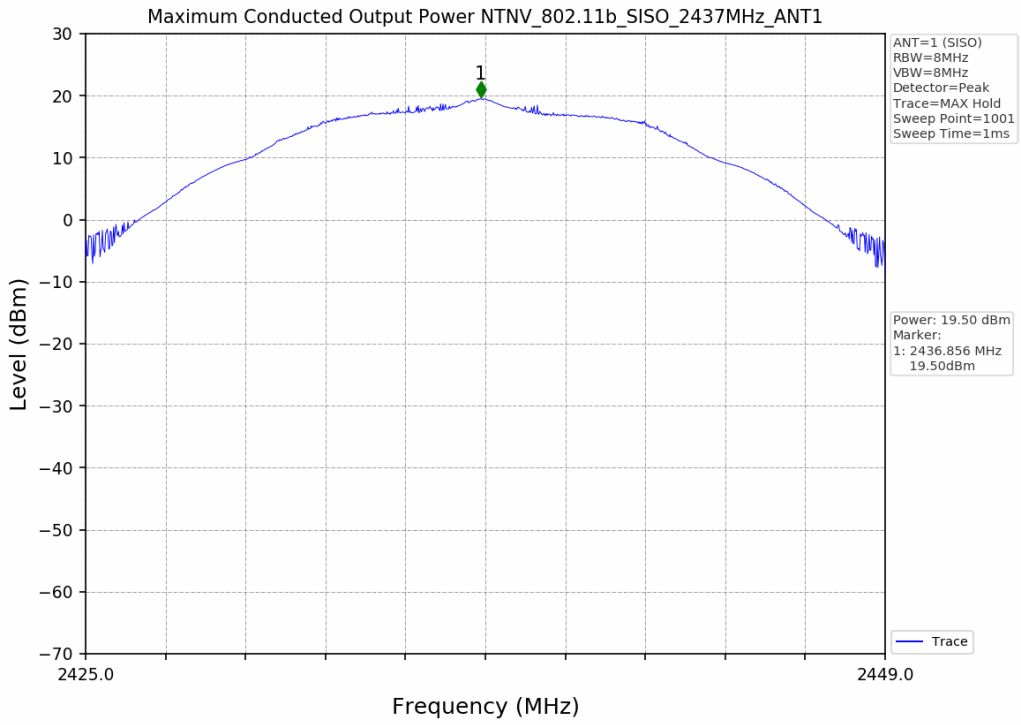
2. Maximum Conducted Output Power

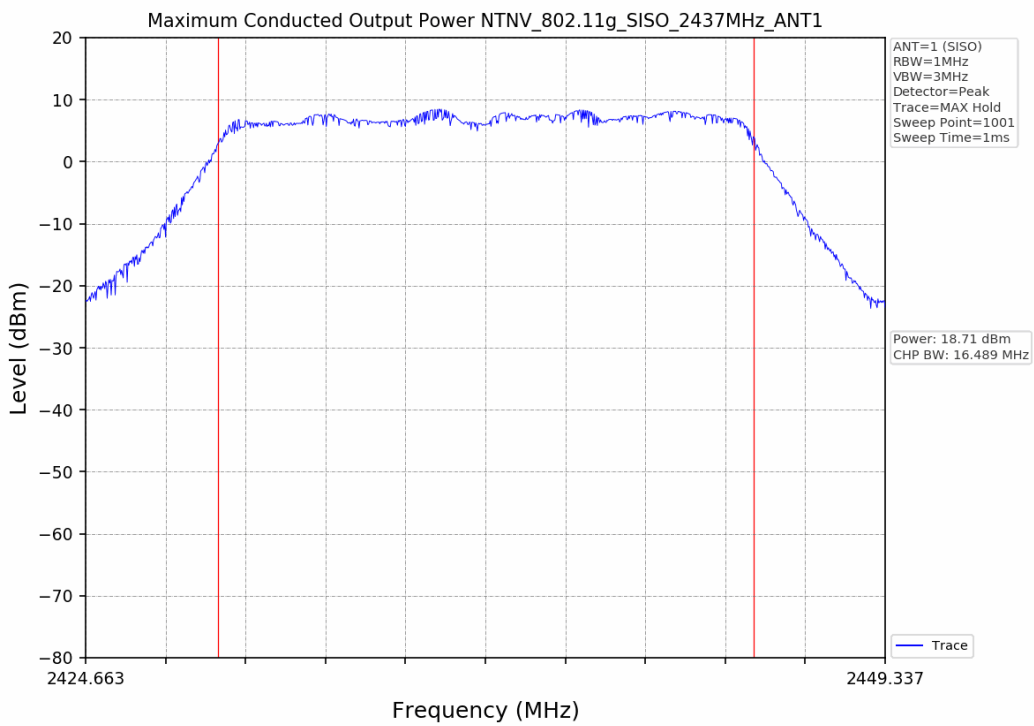
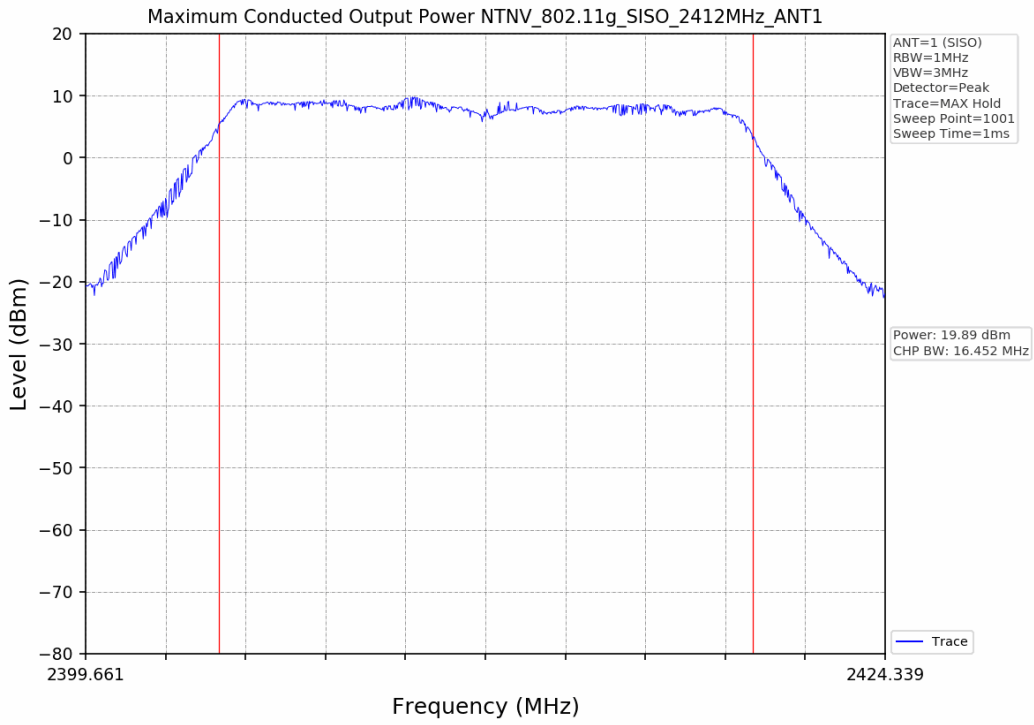
2.1 Test Result

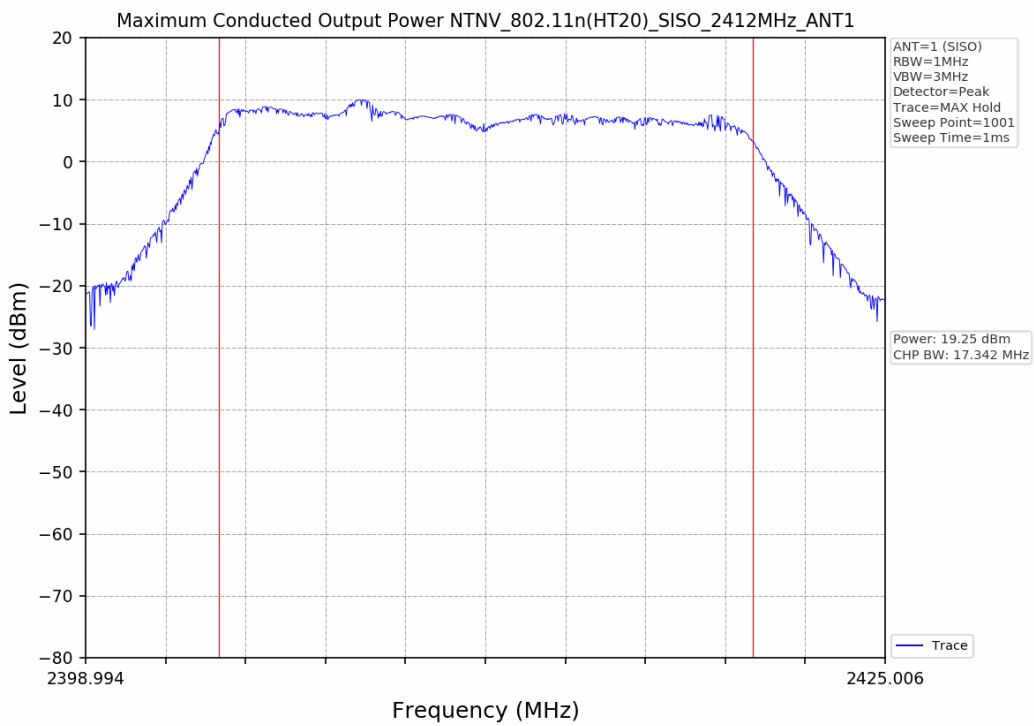
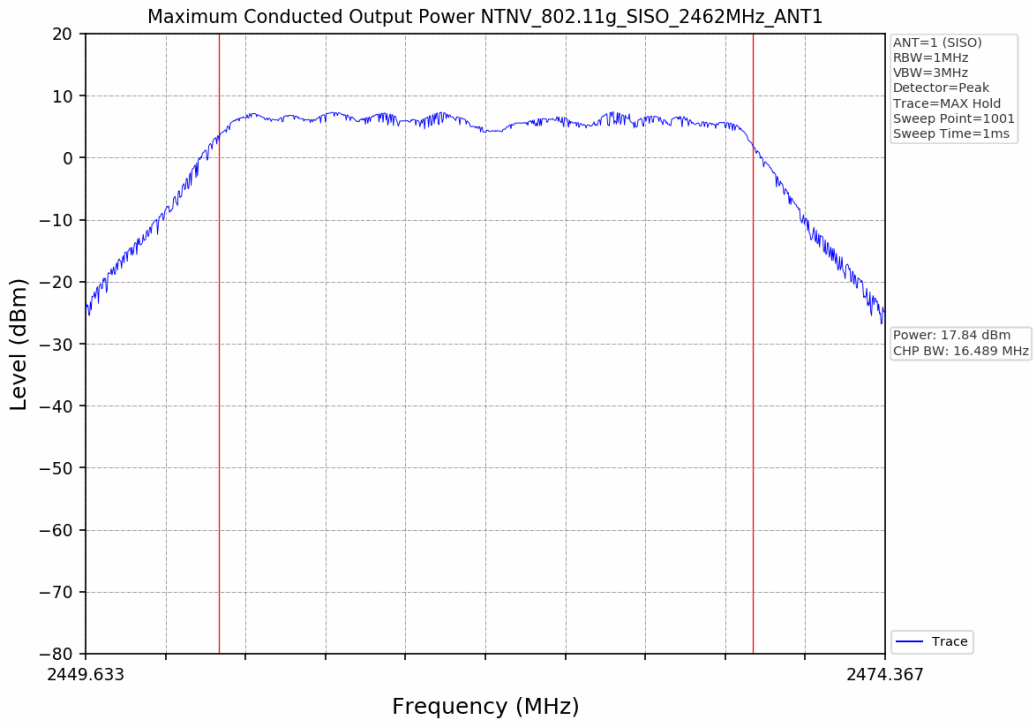
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	19.45	30	PASS
	2437	SISO	19.50	30	PASS
	2462	SISO	17.55	30	PASS
802.11g	2412	SISO	19.89	30	PASS
	2437	SISO	18.71	30	PASS
	2462	SISO	17.84	30	PASS
802.11n(HT20)	2412	SISO	19.25	30	PASS
	2437	SISO	17.28	30	PASS
	2462	SISO	16.63	30	PASS

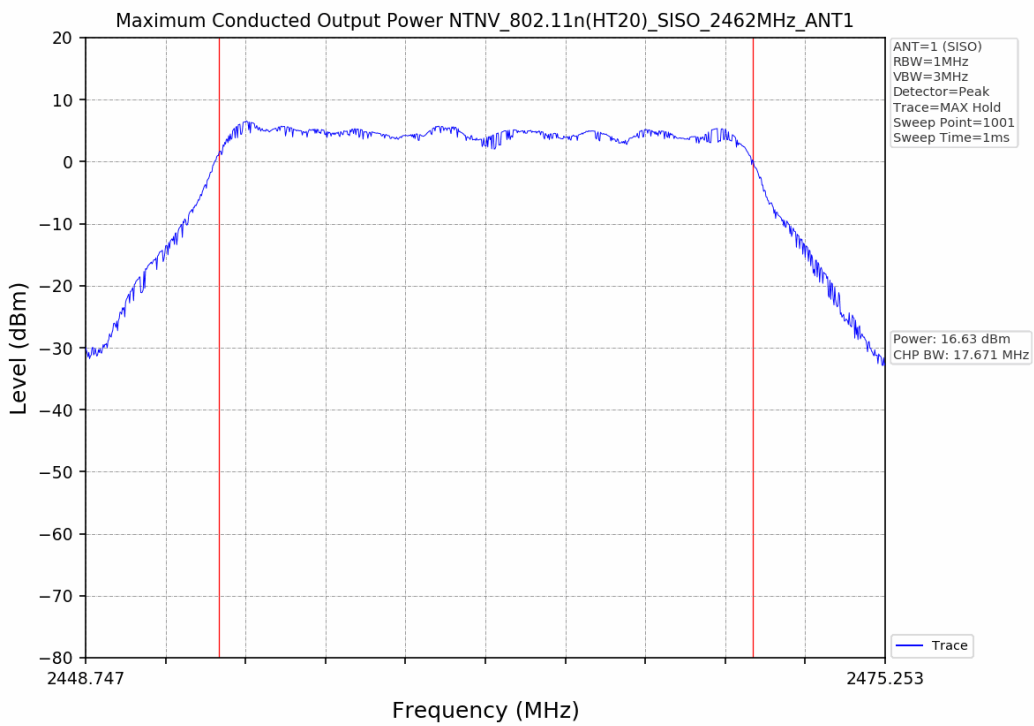
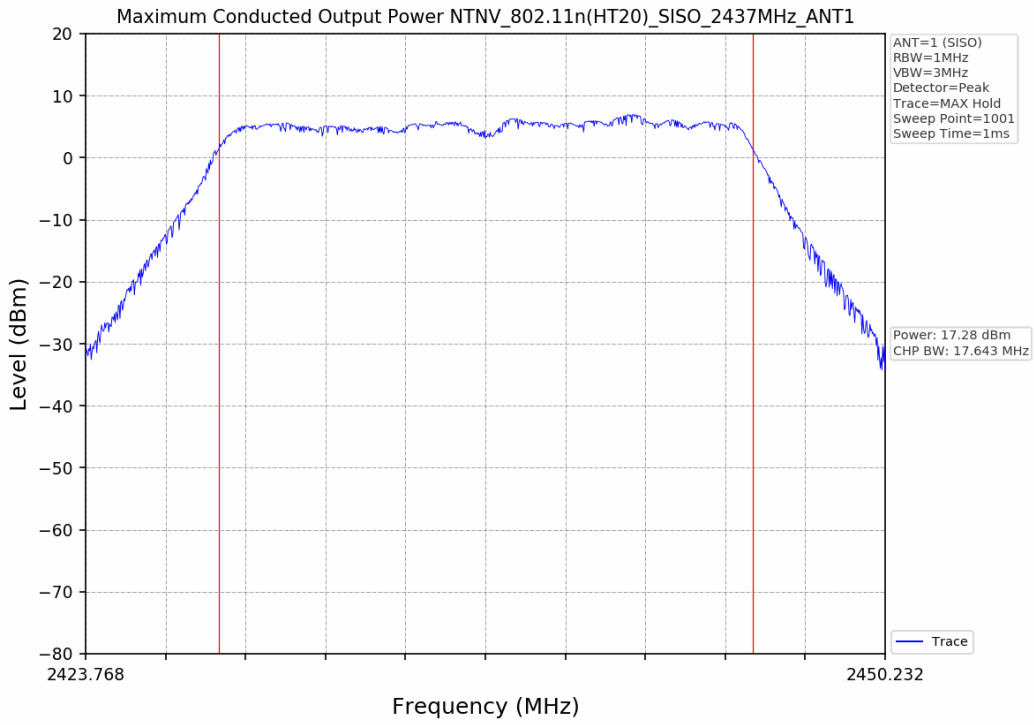
2.2 Test Graph









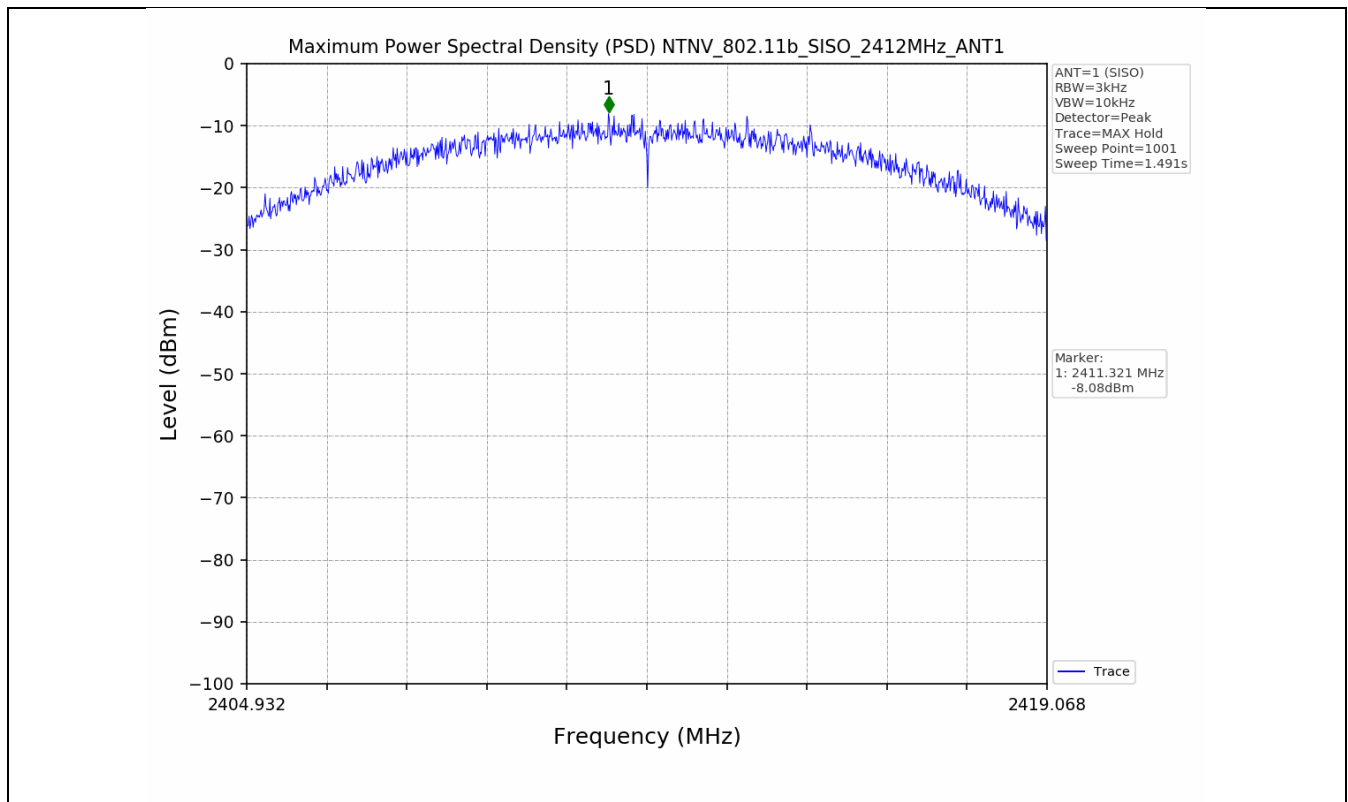


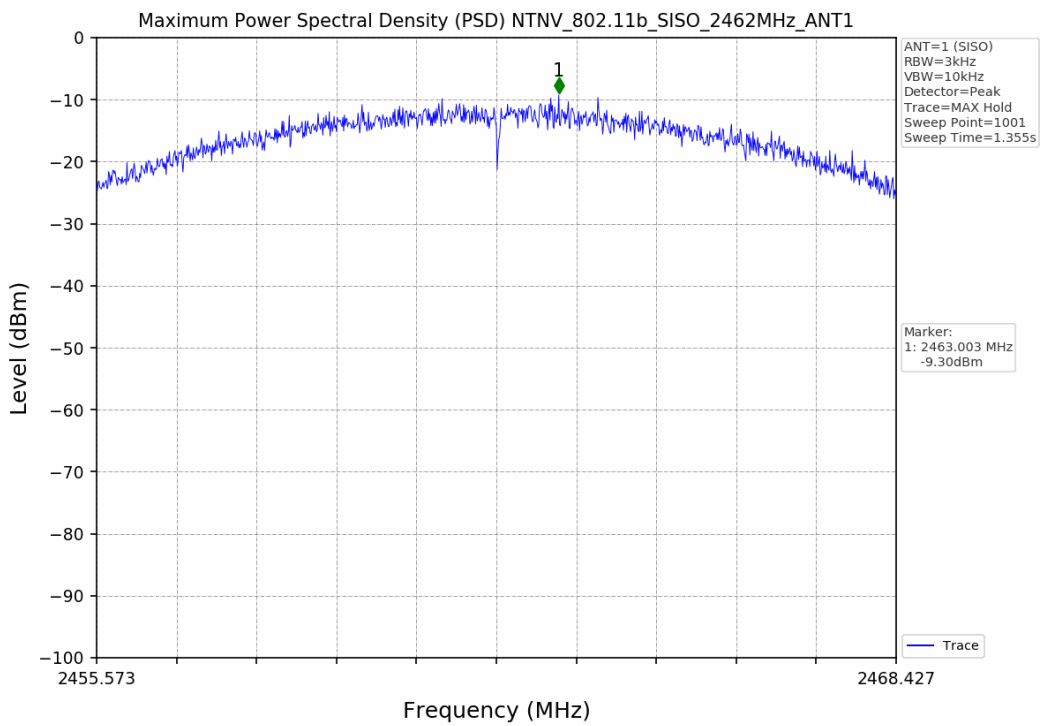
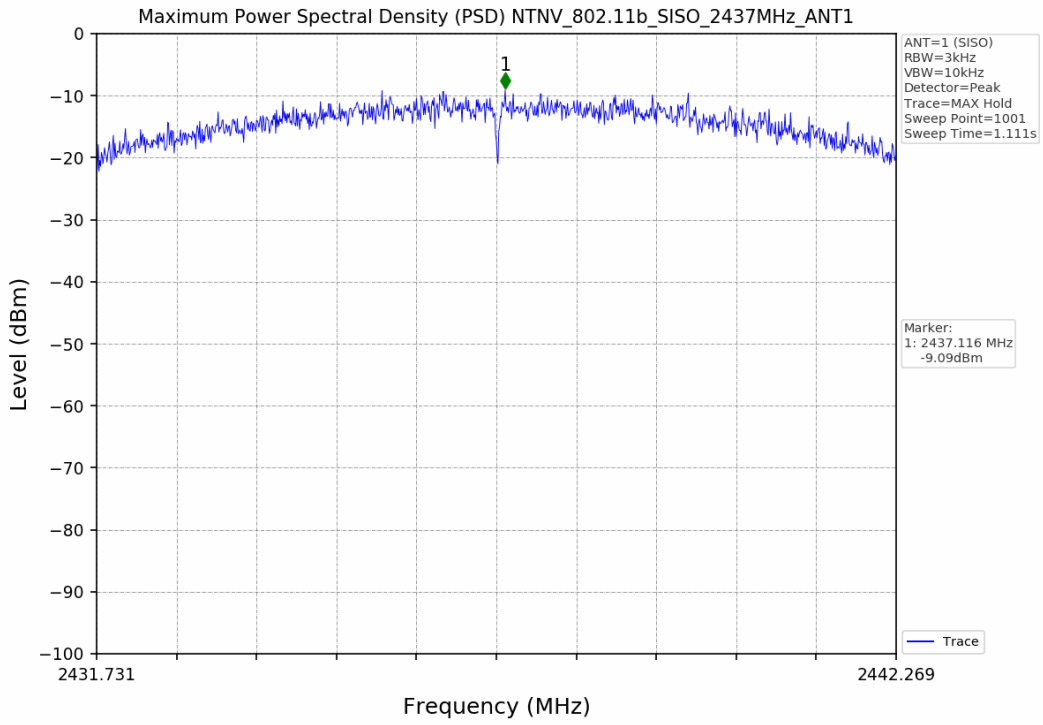
3. Maximum Power Spectral Density (PSD)

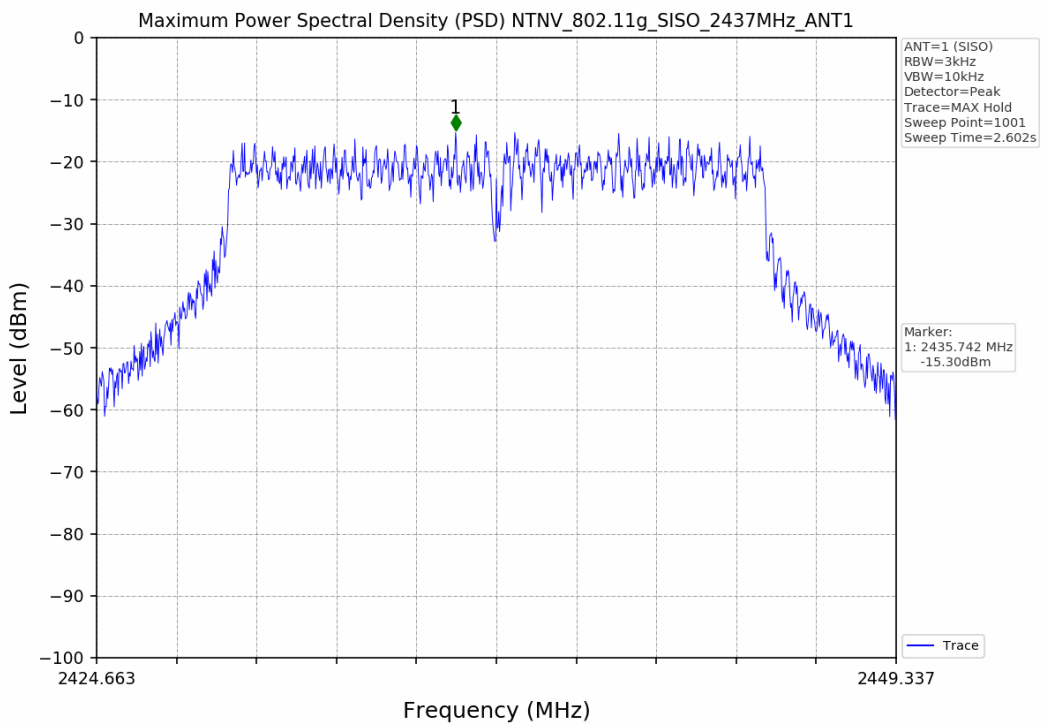
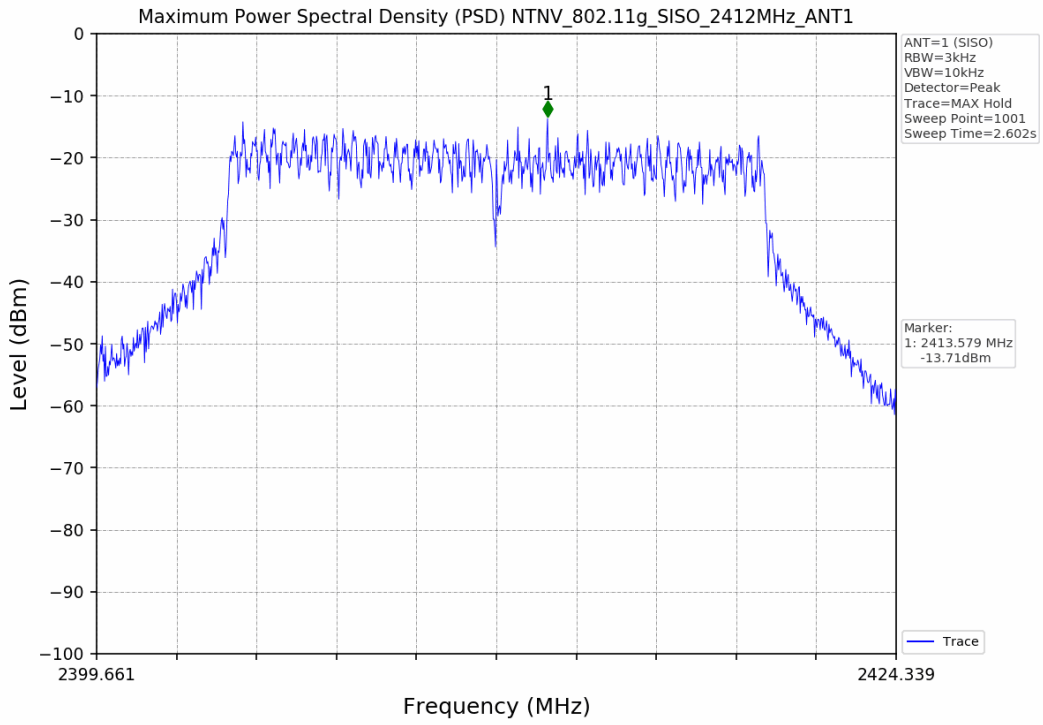
3.1 Test Result

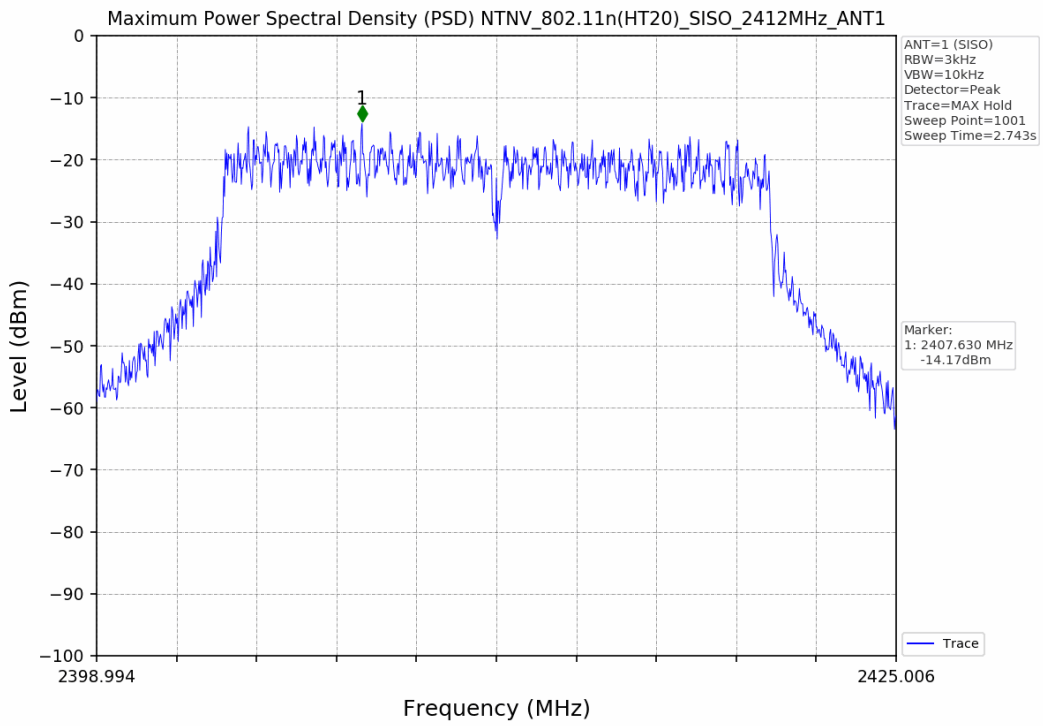
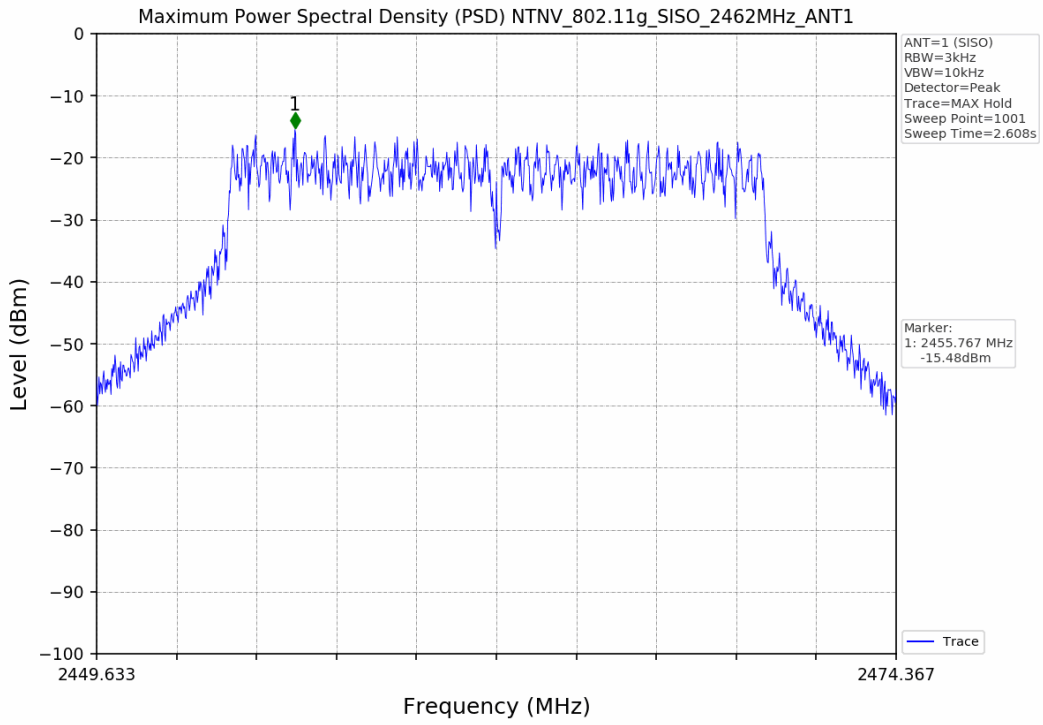
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3KHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-8.08	≤ 8	PASS
	2437	SISO	-9.09	≤ 8	PASS
	2462	SISO	-9.30	≤ 8	PASS
802.11g	2412	SISO	-13.71	≤ 8	PASS
	2437	SISO	-15.30	≤ 8	PASS
	2462	SISO	-15.48	≤ 8	PASS
802.11n(HT20)	2412	SISO	-14.17	≤ 8	PASS
	2437	SISO	-16.58	≤ 8	PASS
	2462	SISO	-16.31	≤ 8	PASS

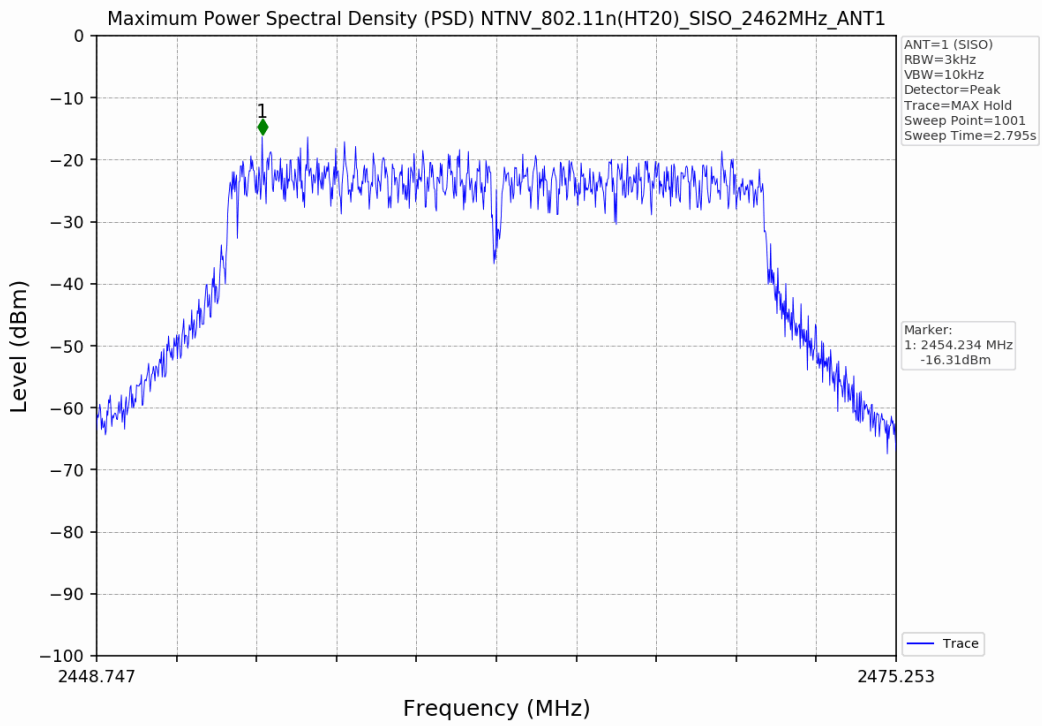
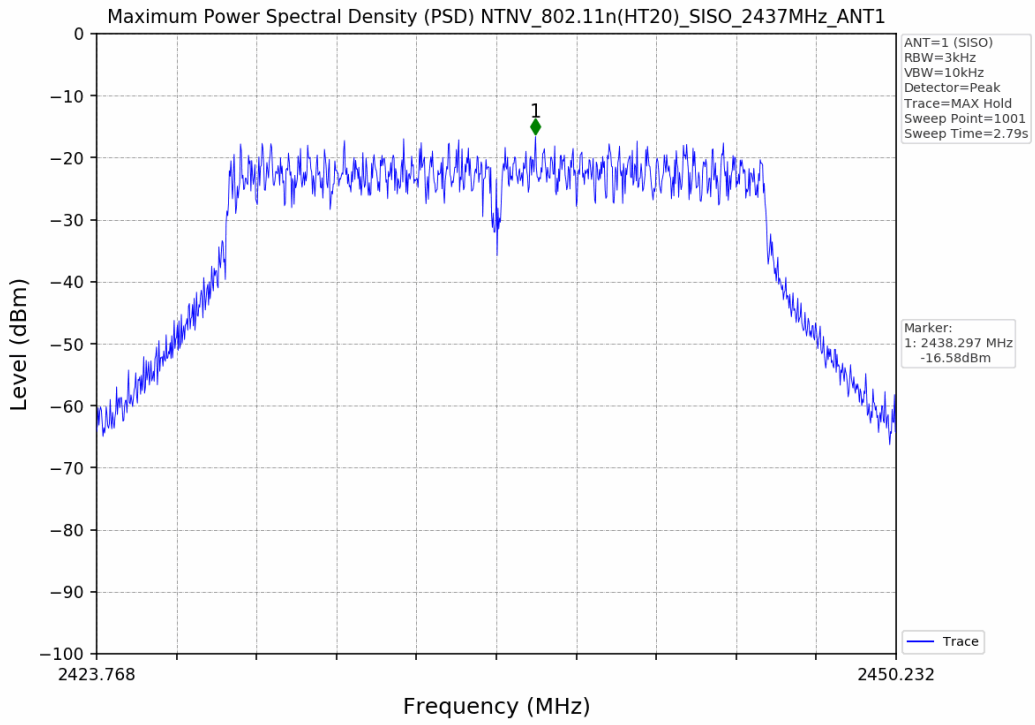
3.2 Test Graph









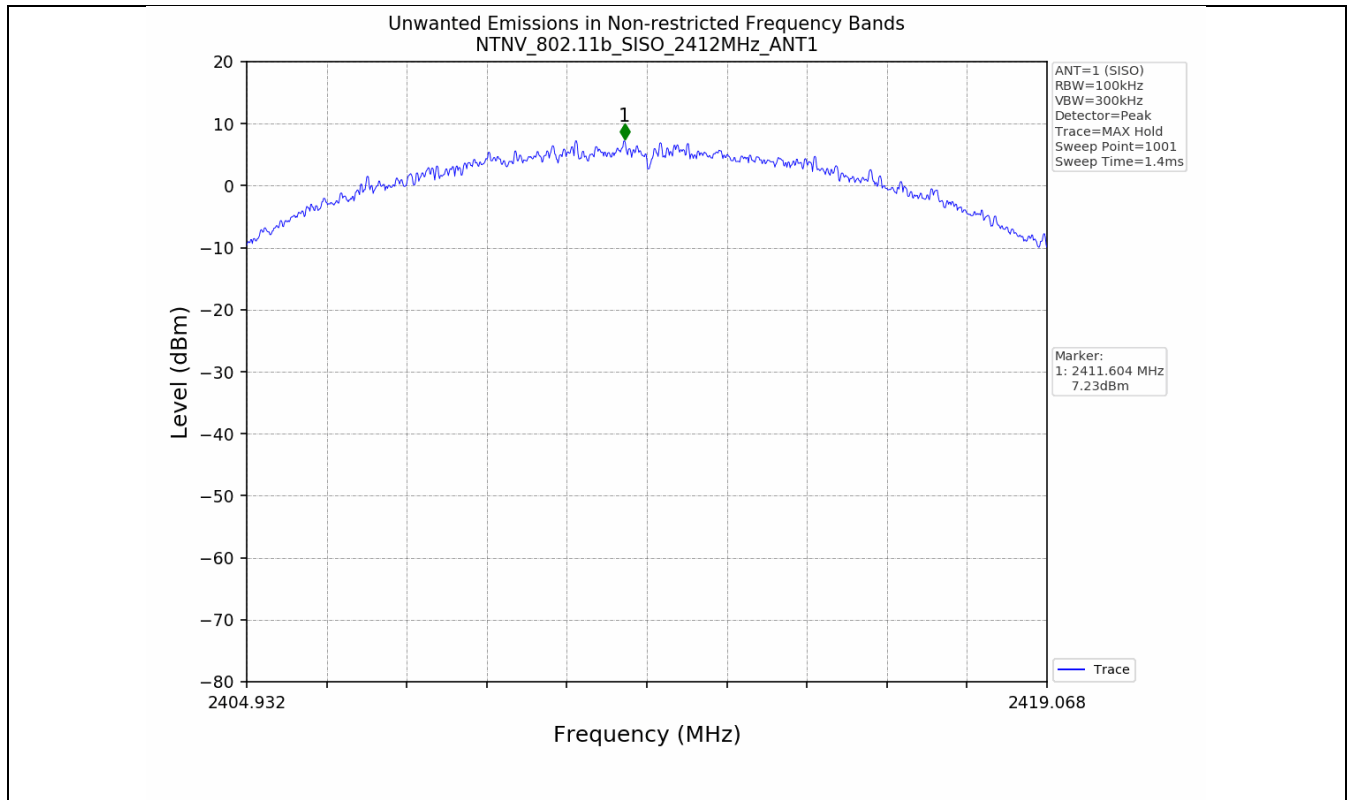


4. Unwanted Emissions in Non-restricted Frequency Bands

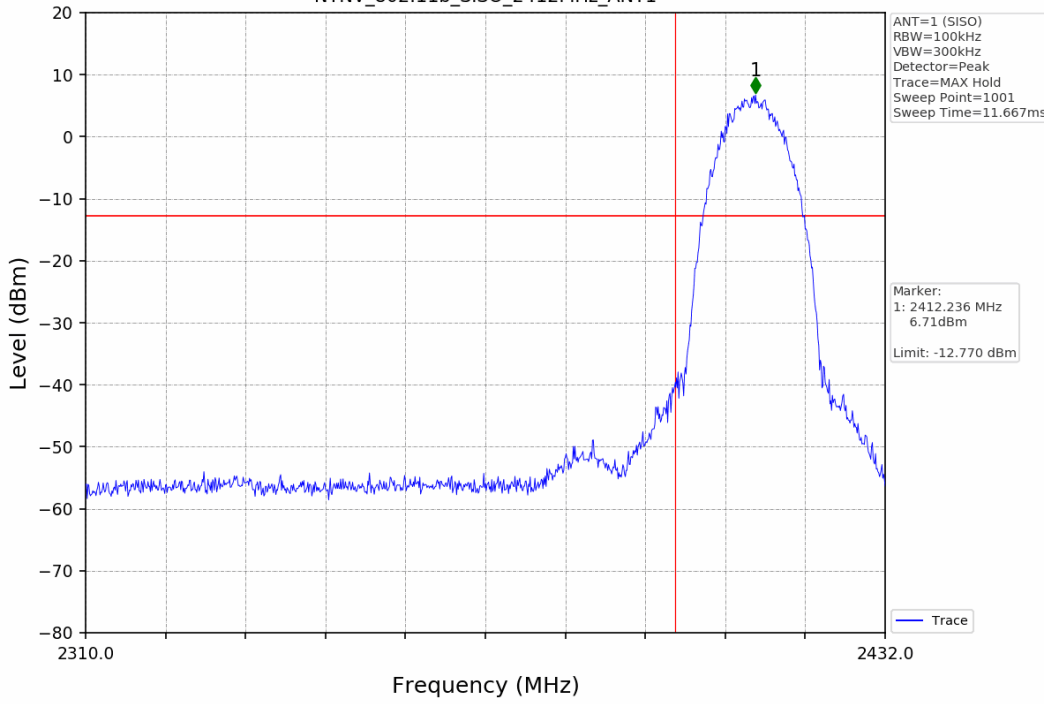
4.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-12.77	PASS
	2437	SISO	1	Refer to test graph	-12.77	PASS
	2462	SISO	1	Refer to test graph	-12.77	PASS
802.11g	2412	SISO	1	Refer to test graph	-18.95	PASS
	2437	SISO	1	Refer to test graph	-18.95	PASS
	2462	SISO	1	Refer to test graph	-18.95	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-18.85	PASS
	2437	SISO	1	Refer to test graph	-18.85	PASS
	2462	SISO	1	Refer to test graph	-18.85	PASS

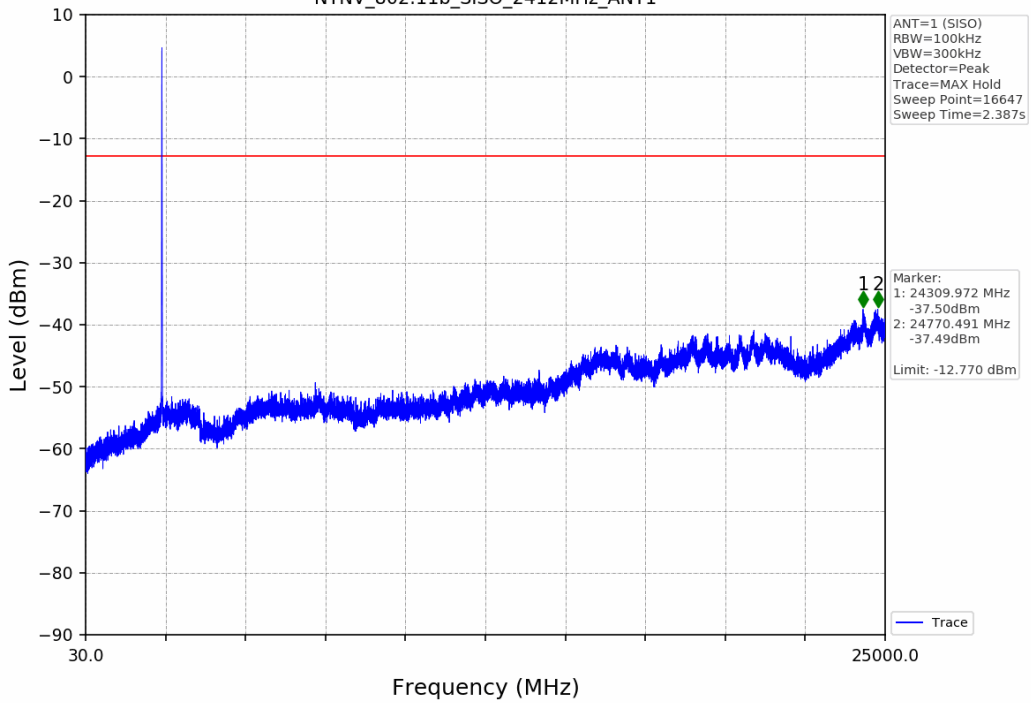
4.2 Test Graph



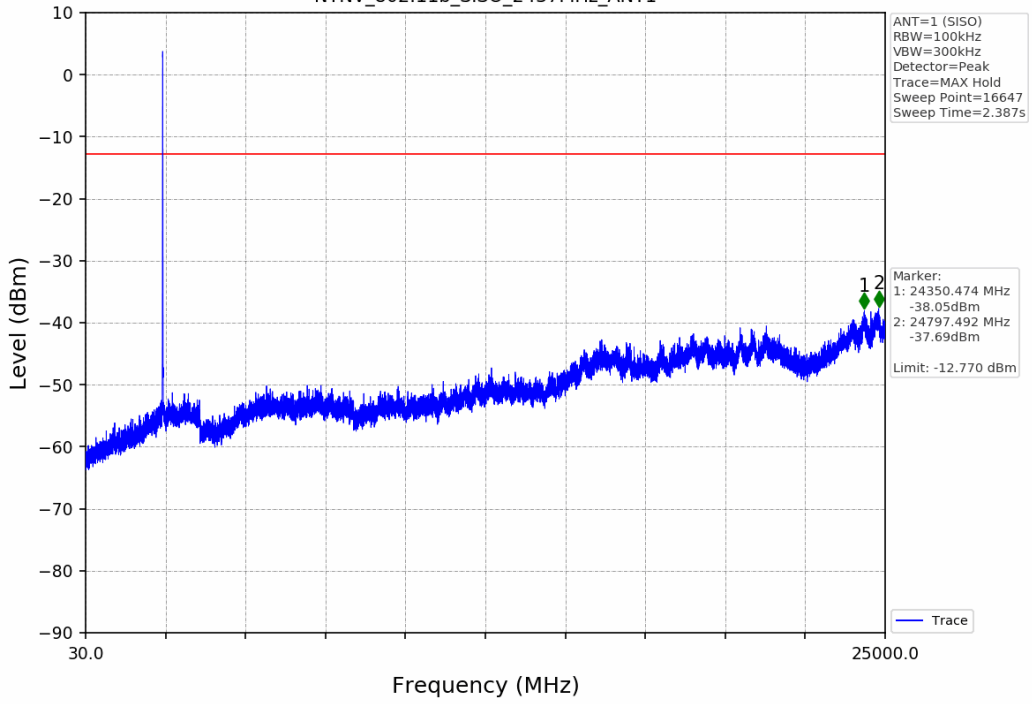
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2412MHz_ANT1



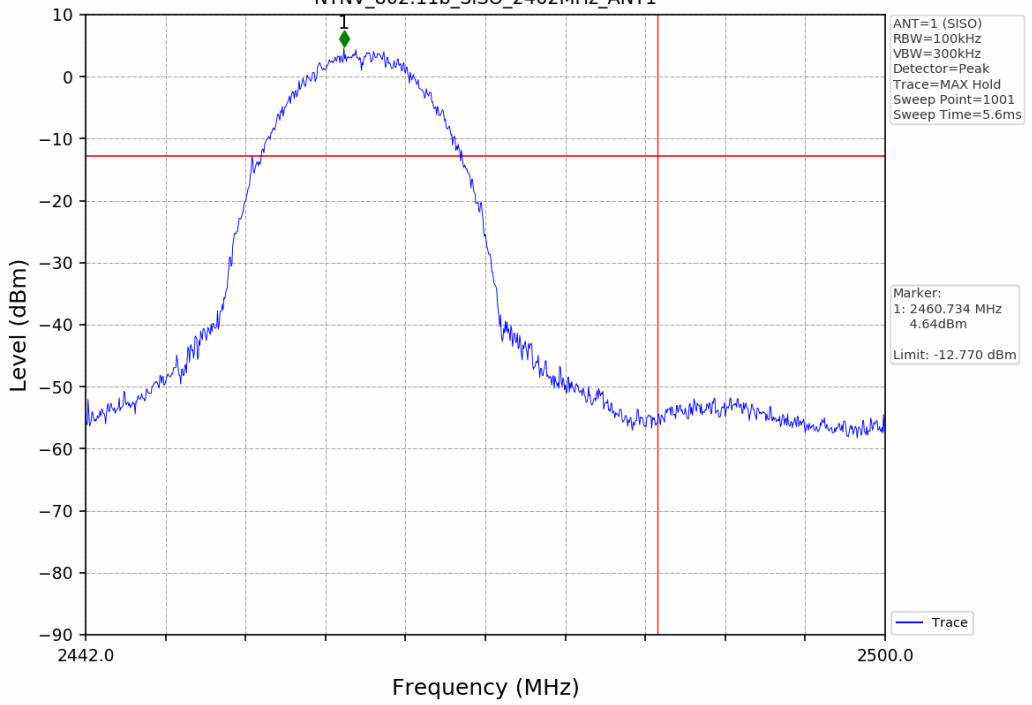
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2412MHz_ANT1



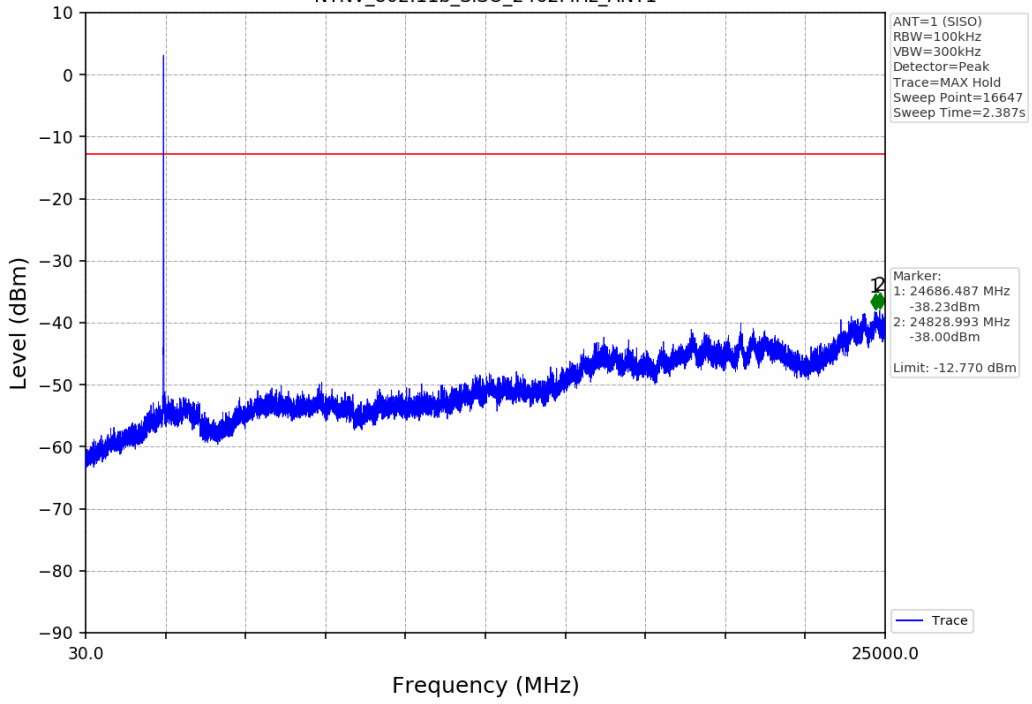
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2437MHz_ANT1



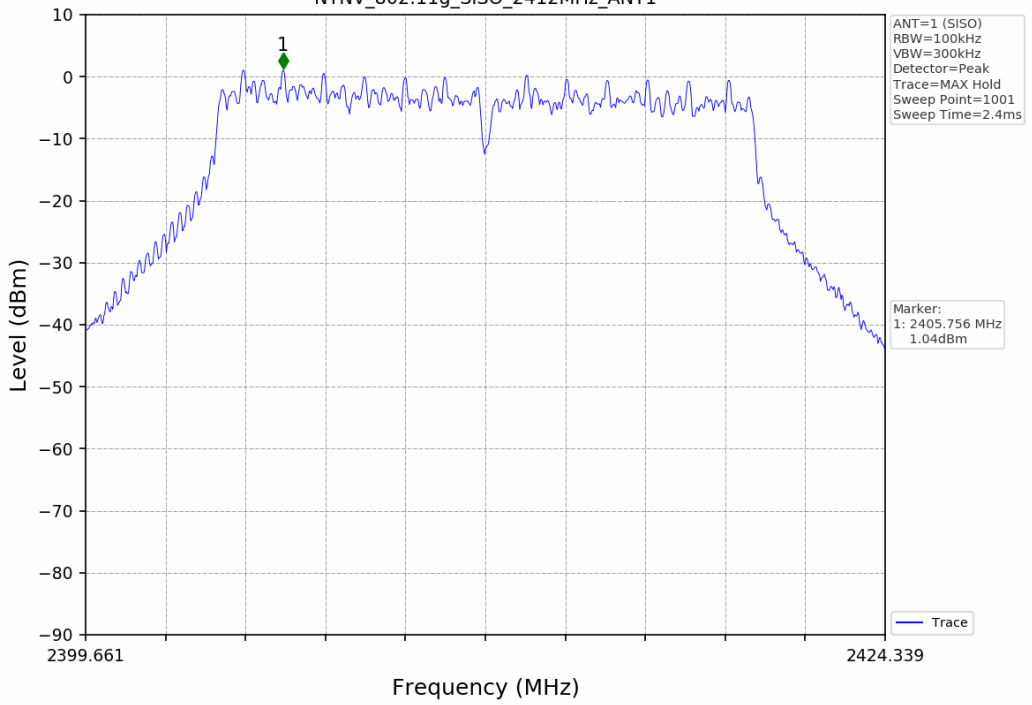
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2462MHz_ANT1



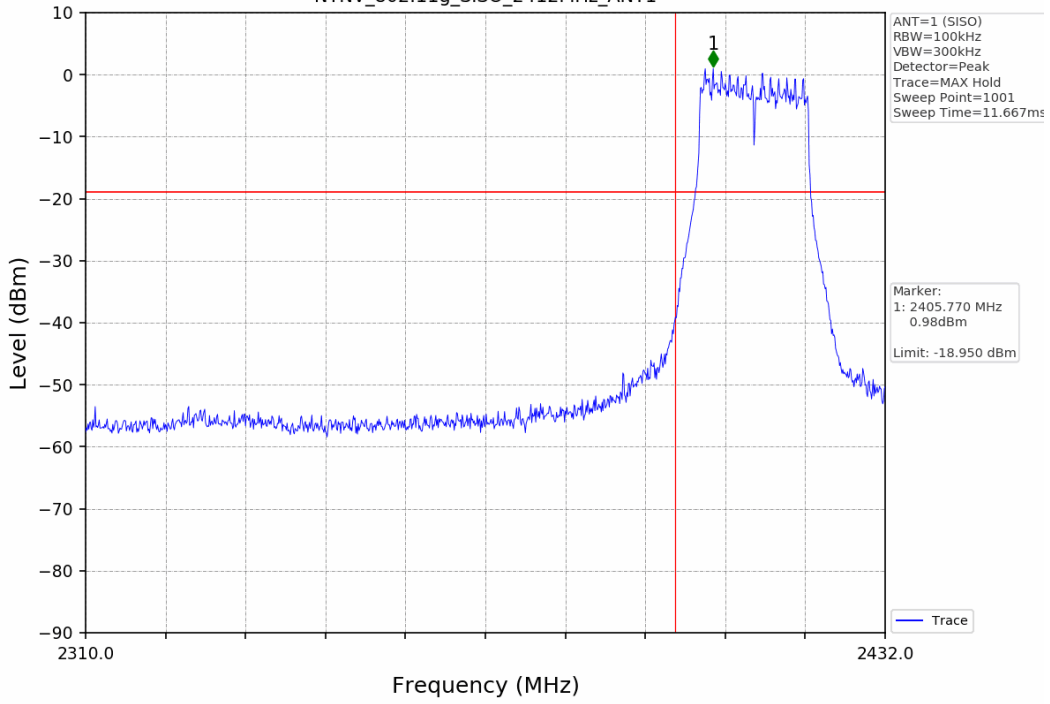
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2462MHz_ANT1



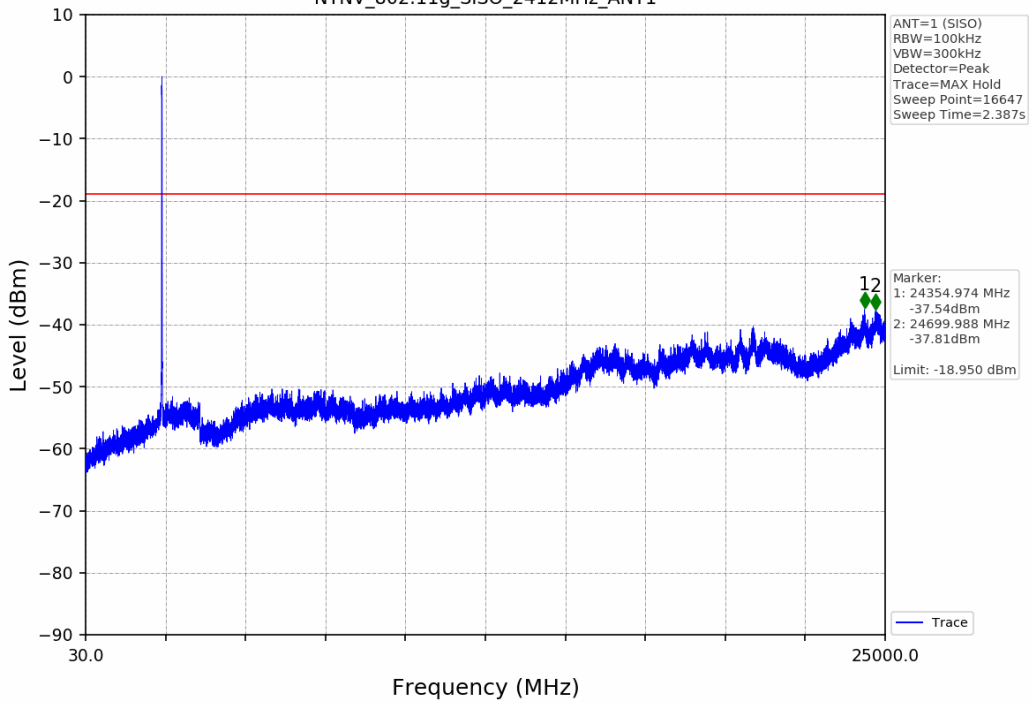
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2412MHz_ANT1



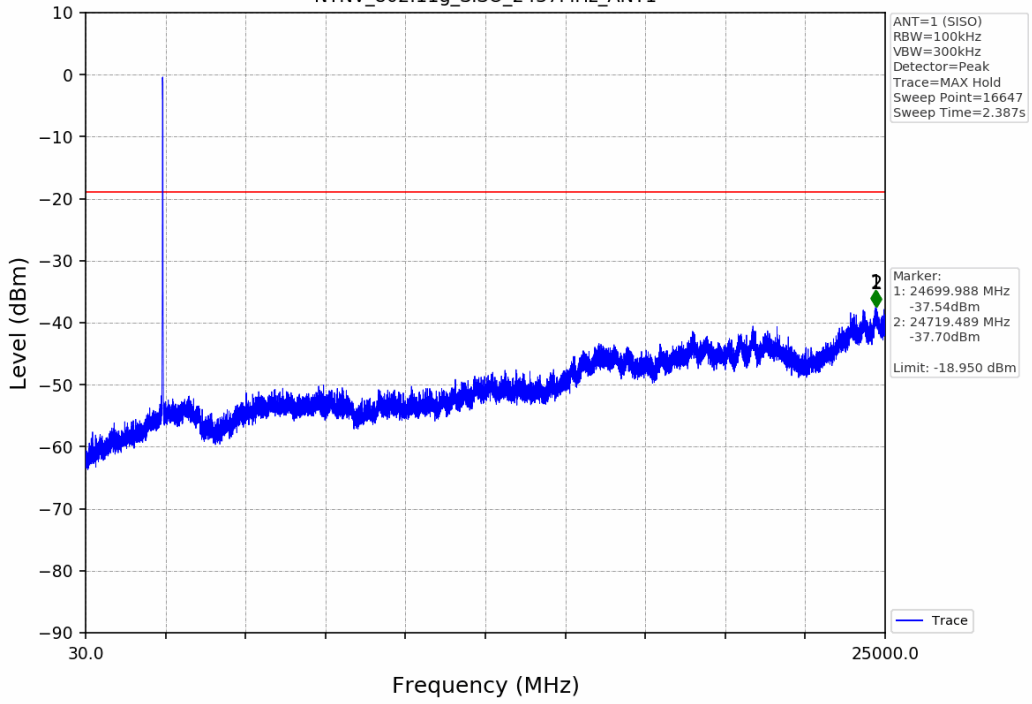
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2412MHz_ANT1



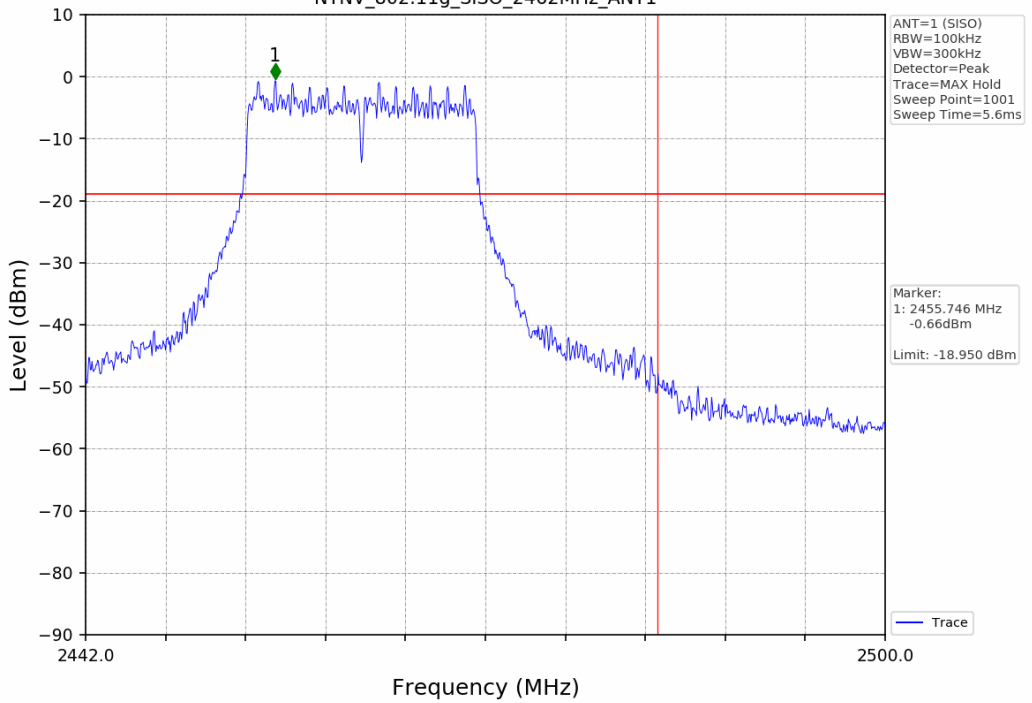
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2412MHz_ANT1



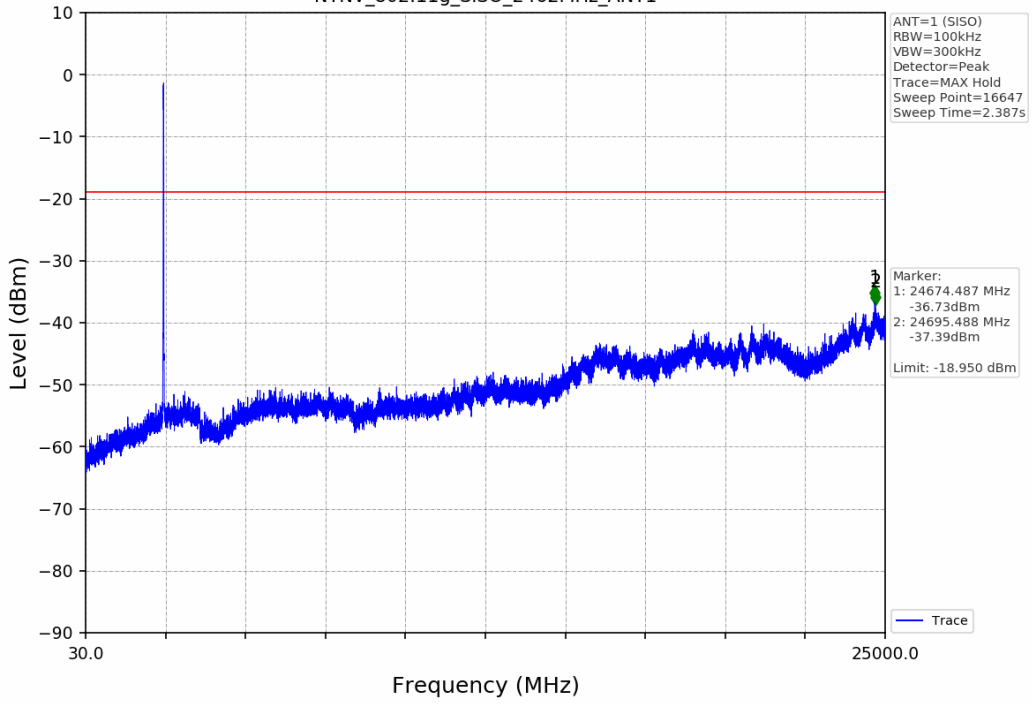
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2437MHz_ANT1



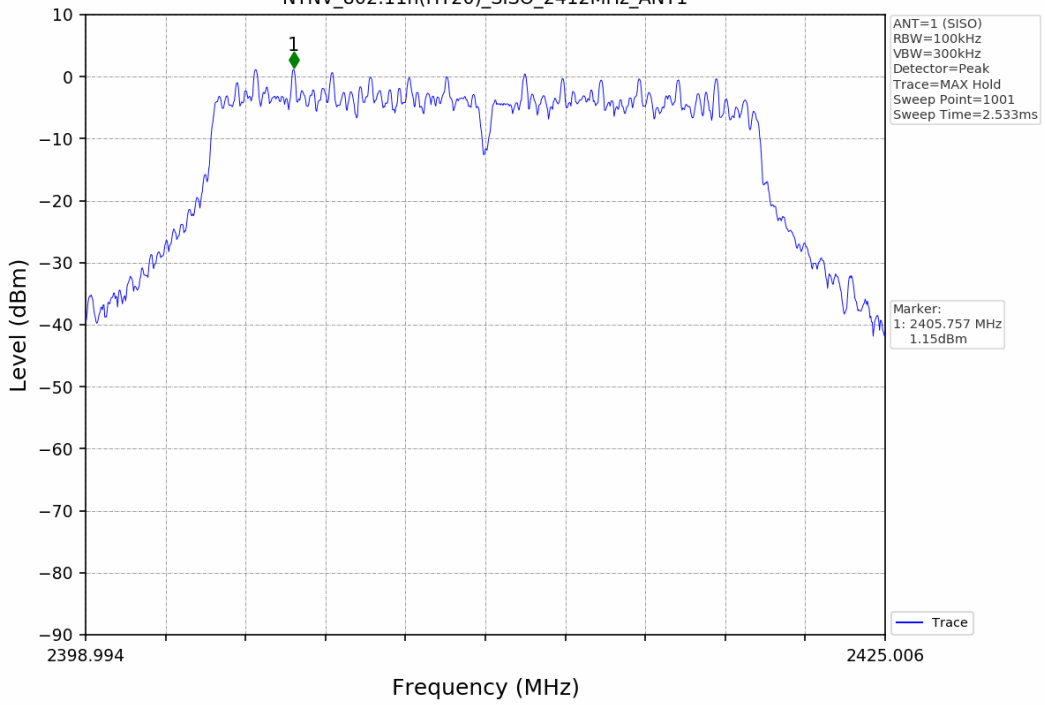
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2462MHz_ANT1



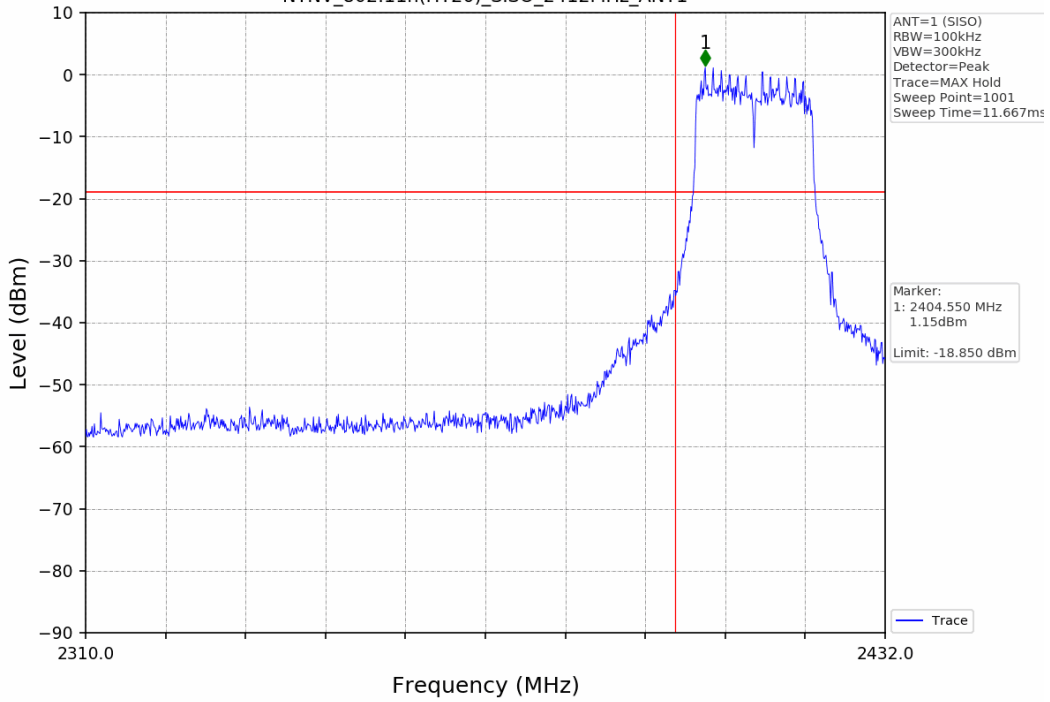
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2462MHz_ANT1



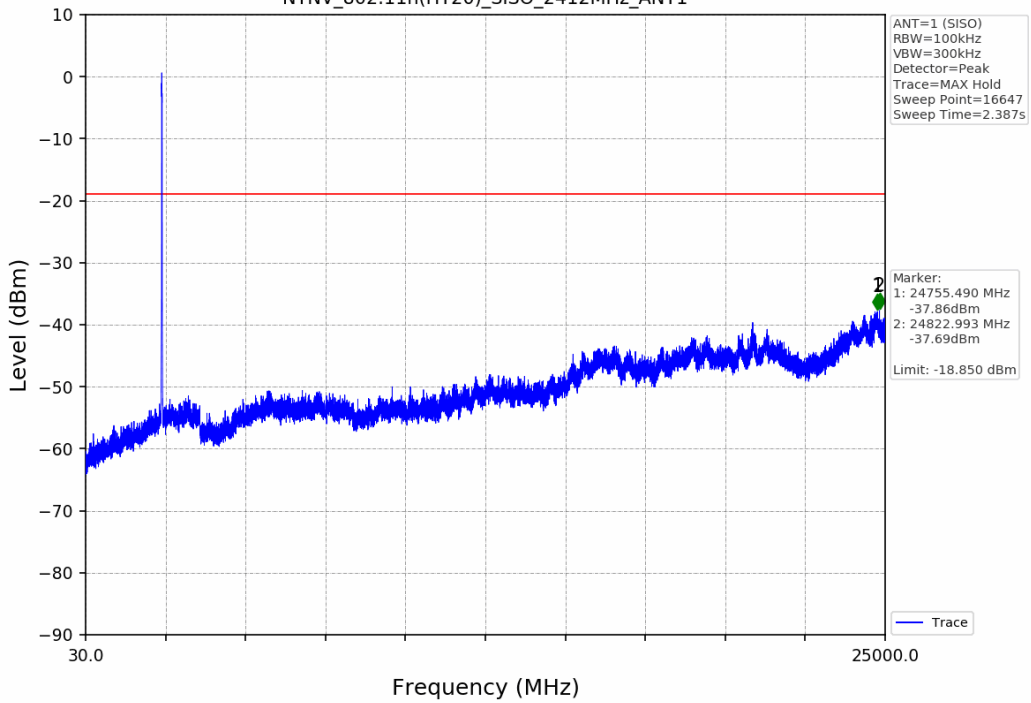
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_SISO_2412MHz_ANT1



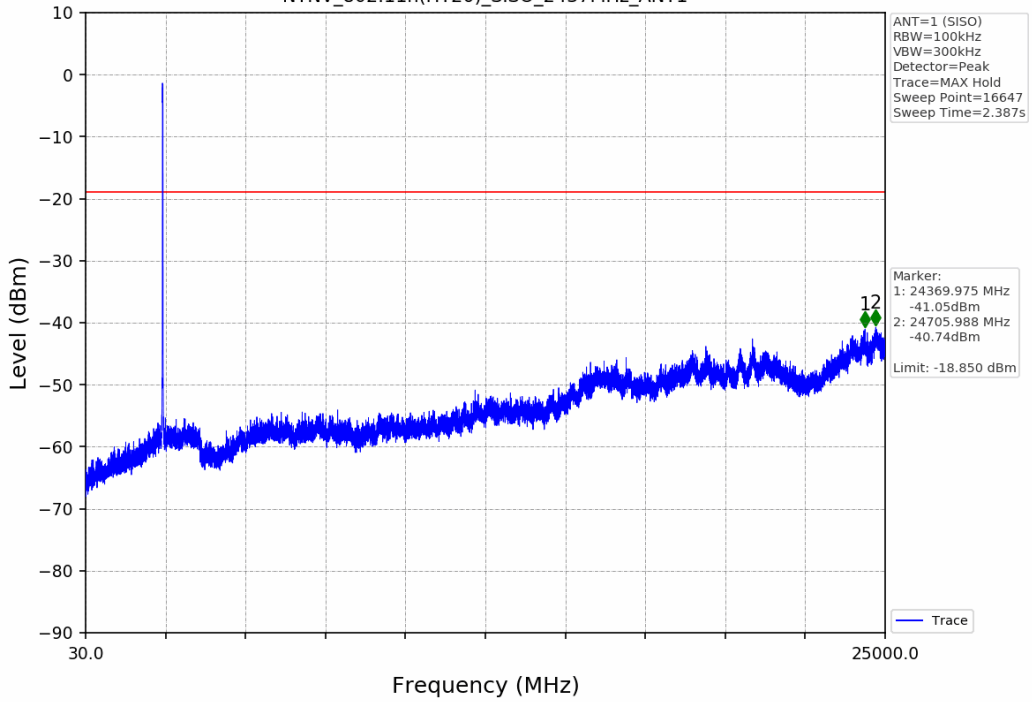
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_SISO_2412MHz_ANT1



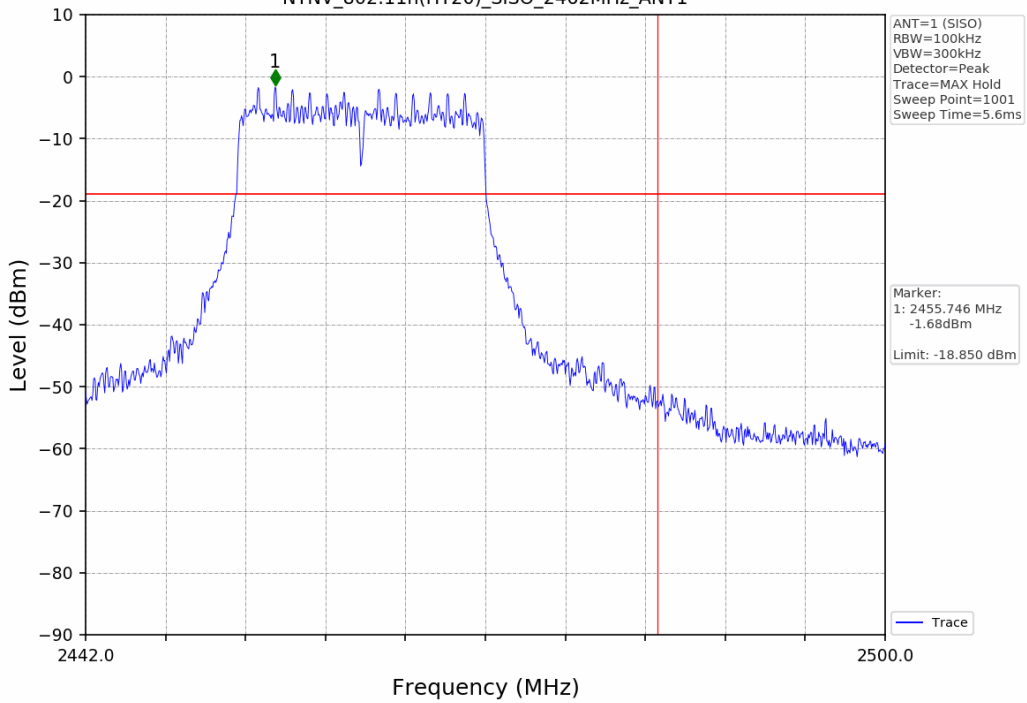
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_SISO_2412MHz_ANT1



Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_SISO_2437MHz_ANT1



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



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

