

Report No.: CTL2007173013-WF

Appendix for 15.247

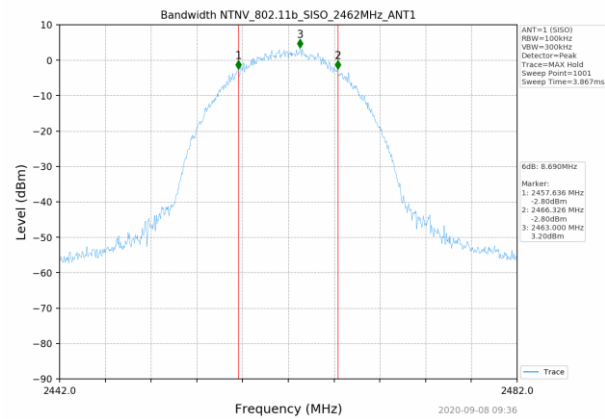
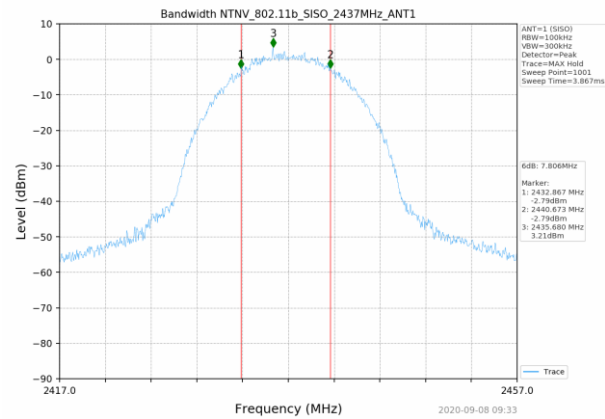
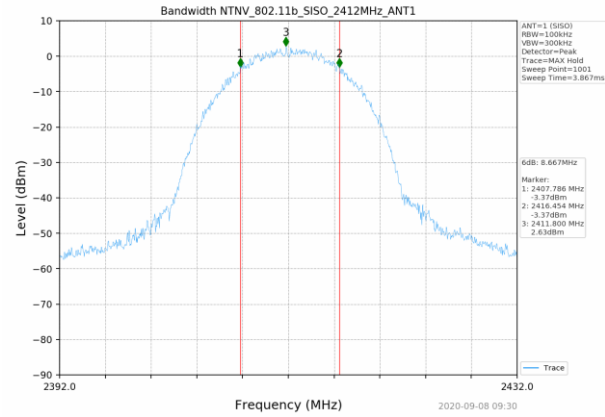
1. Bandwidth

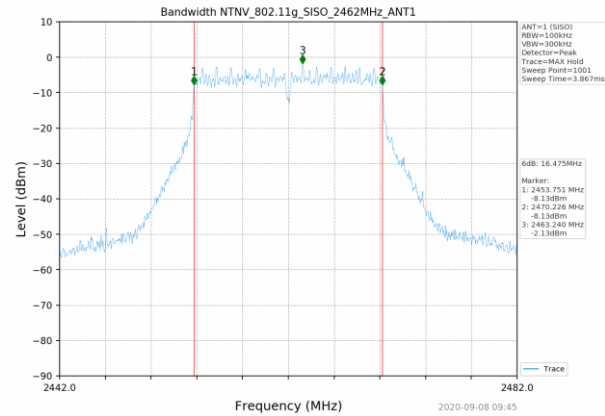
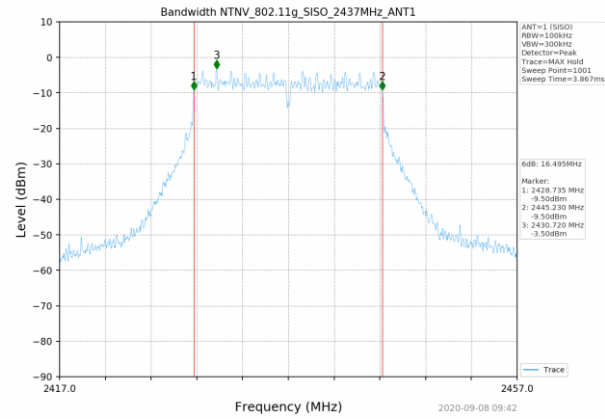
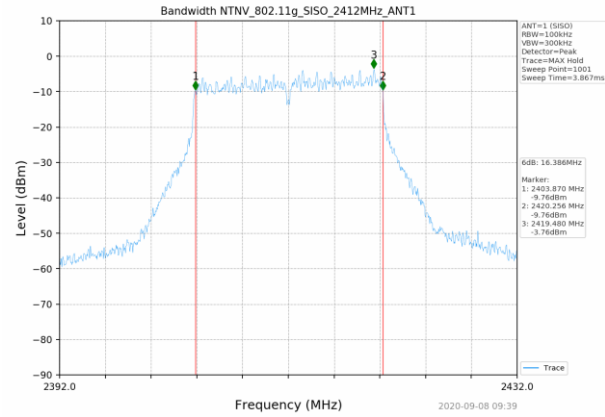
1.1 Test Result

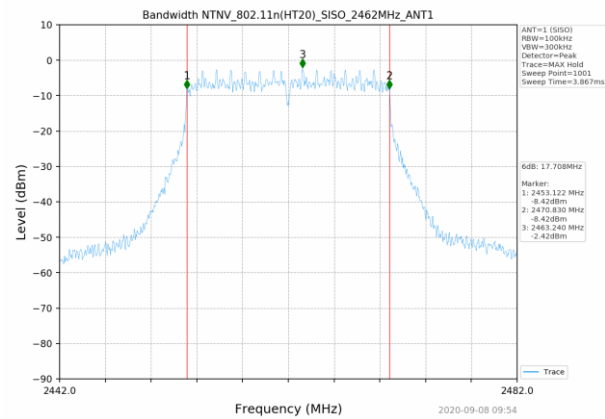
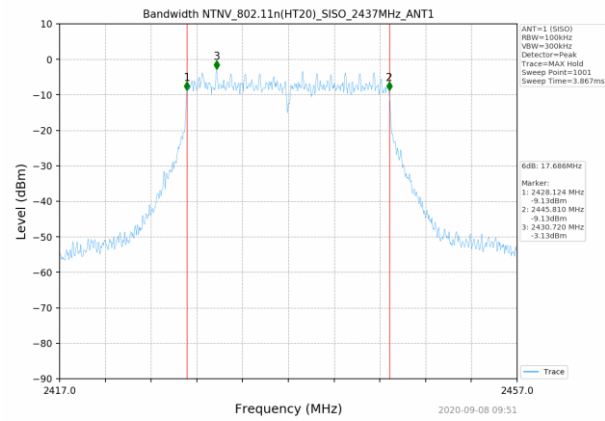
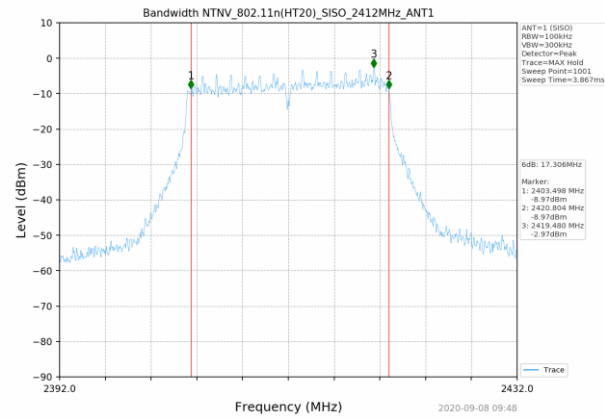
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	8.667	≥0.5	PASS
	2437	SISO	1	7.806	≥0.5	PASS
	2462	SISO	1	8.690	≥0.5	PASS
802.11g	2412	SISO	1	16.386	≥0.5	PASS
	2437	SISO	1	16.495	≥0.5	PASS
	2462	SISO	1	16.475	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.306	≥0.5	PASS
	2437	SISO	1	17.686	≥0.5	PASS
	2462	SISO	1	17.708	≥0.5	PASS
802.11n(HT40)	2422	SISO	1	35.983	≥0.5	PASS
	2437	SISO	1	36.108	≥0.5	PASS
	2452	SISO	1	35.677	≥0.5	PASS

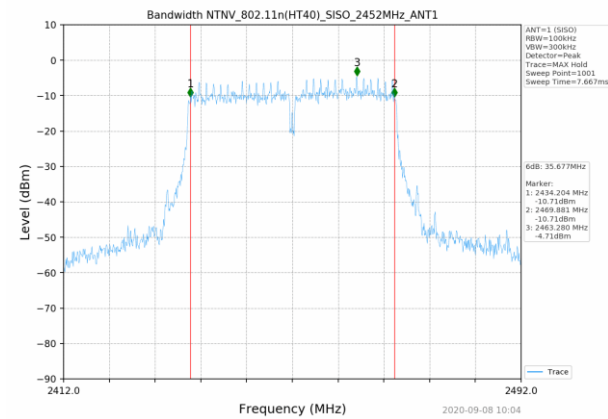
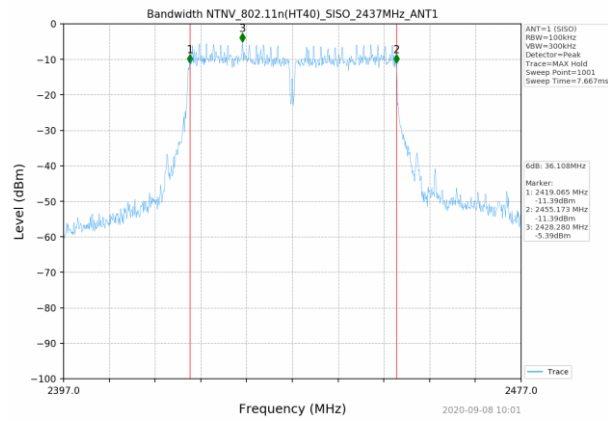
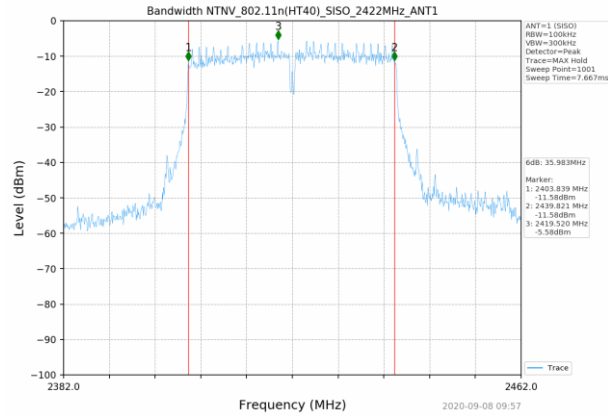
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	13.342	Only for Report Use
	2437	SISO	1	13.449	Only for Report Use
	2462	SISO	1	13.281	Only for Report Use
802.11g	2412	SISO	1	16.745	Only for Report Use
	2437	SISO	1	16.721	Only for Report Use
	2462	SISO	1	16.679	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.830	Only for Report Use
	2437	SISO	1	17.807	Only for Report Use
	2462	SISO	1	17.765	Only for Report Use
802.11n(HT40)	2422	SISO	1	36.357	Only for Report Use
	2437	SISO	1	36.733	Only for Report Use
	2452	SISO	1	36.599	Only for Report Use

1.2 Test Graph - 6dB Bandwidth

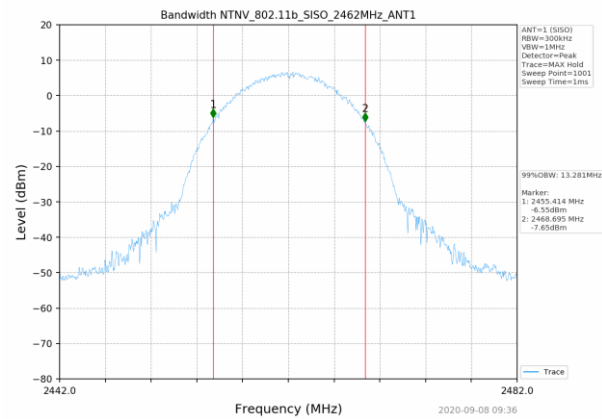
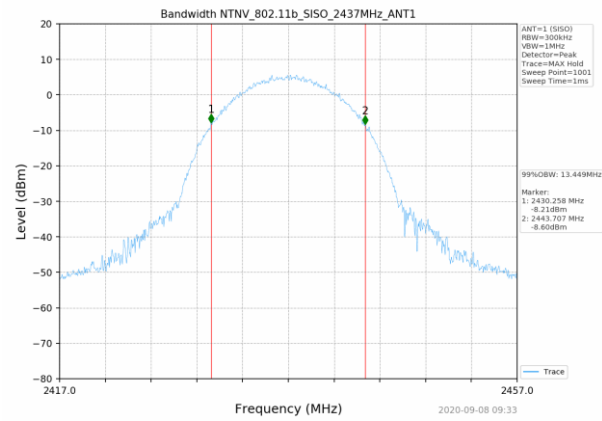
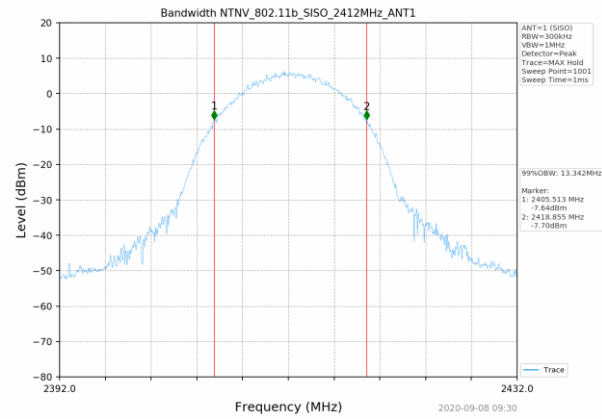


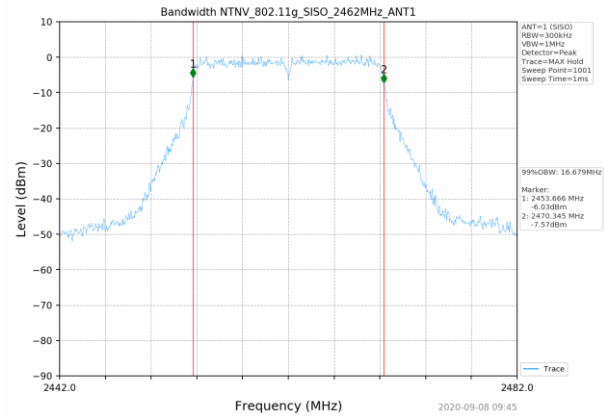
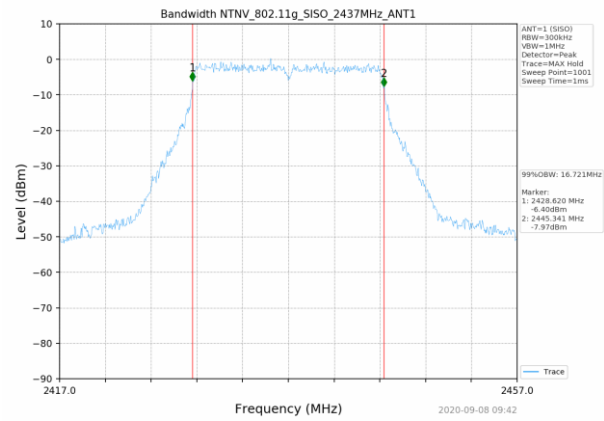
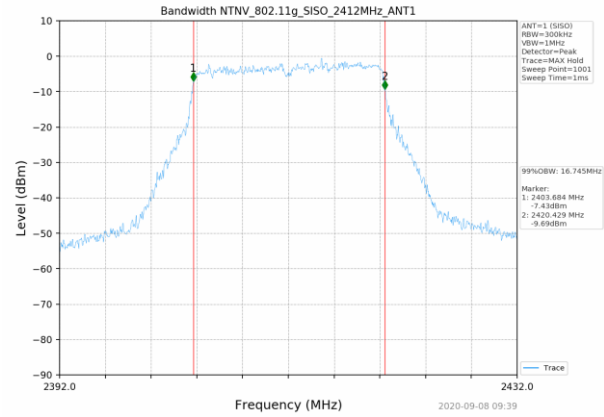


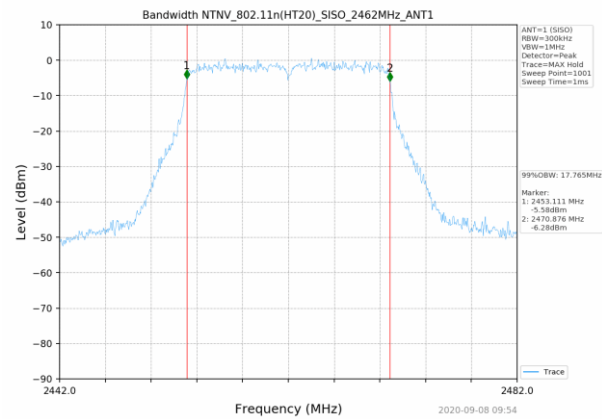
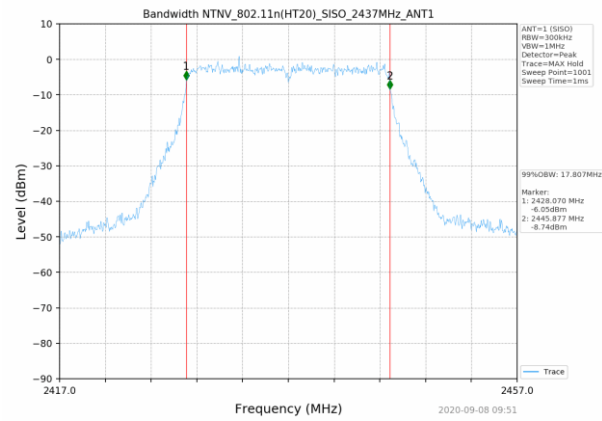
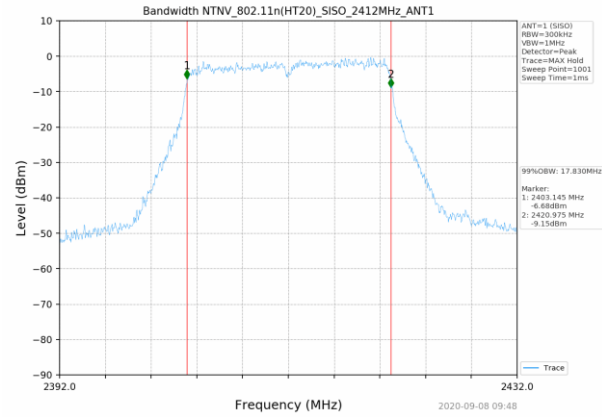


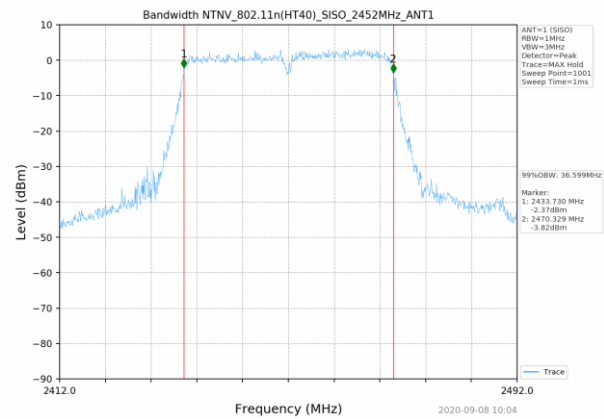
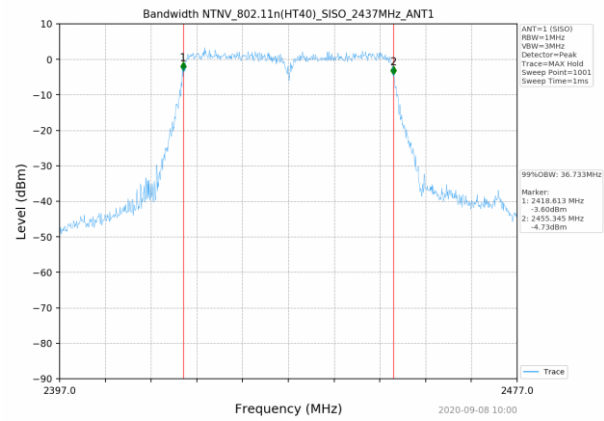
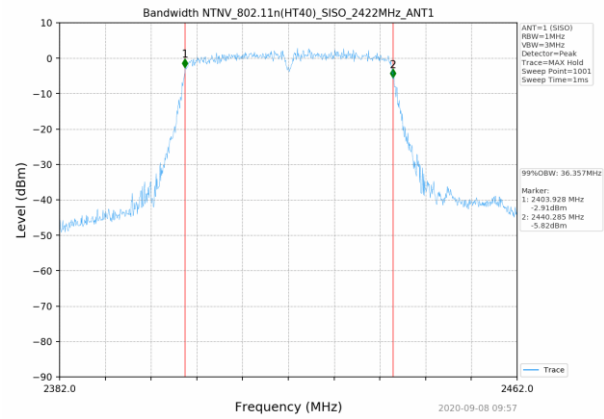


1.3 Test Graph - 99% Occupied Bandwidth







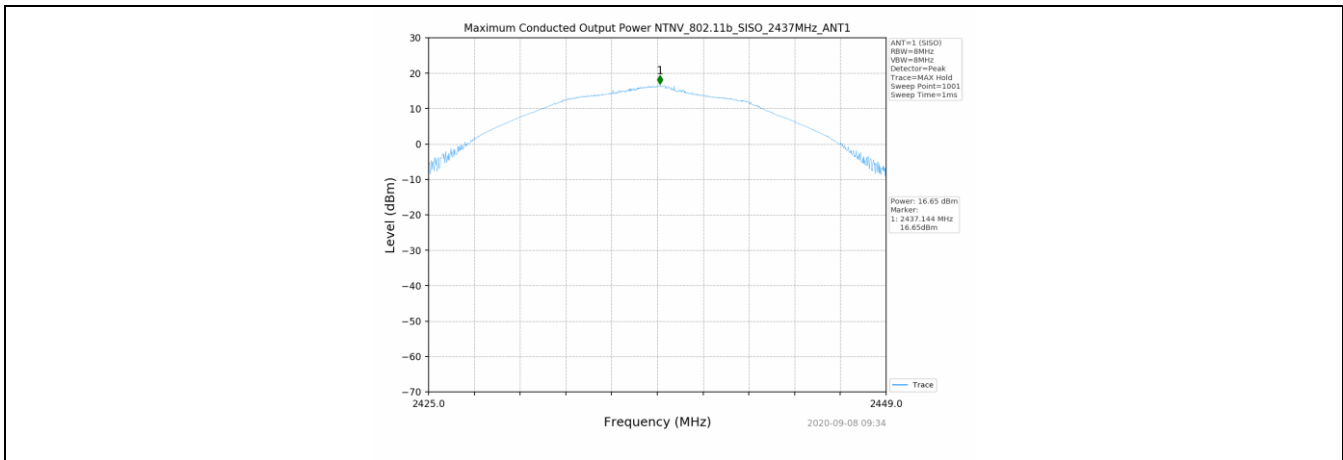
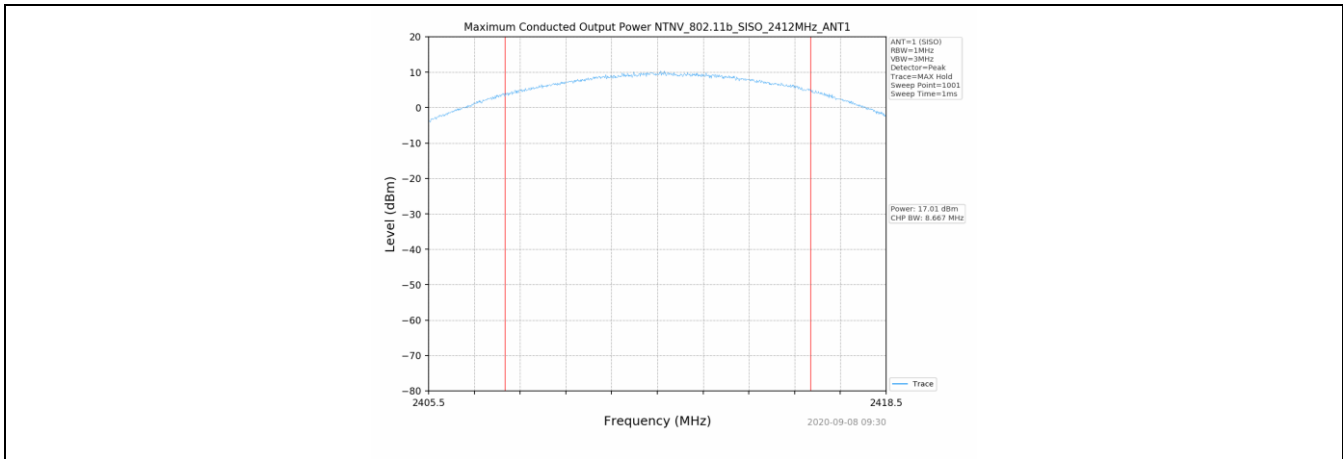


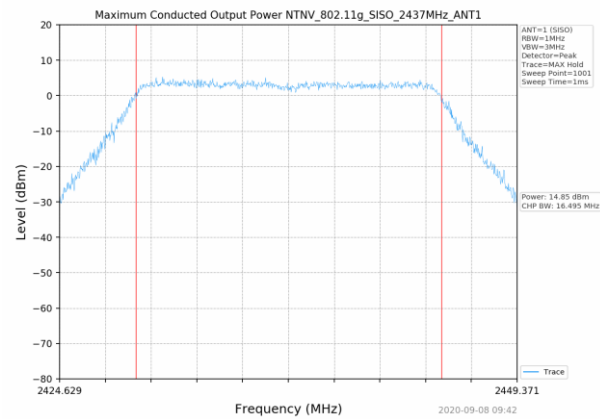
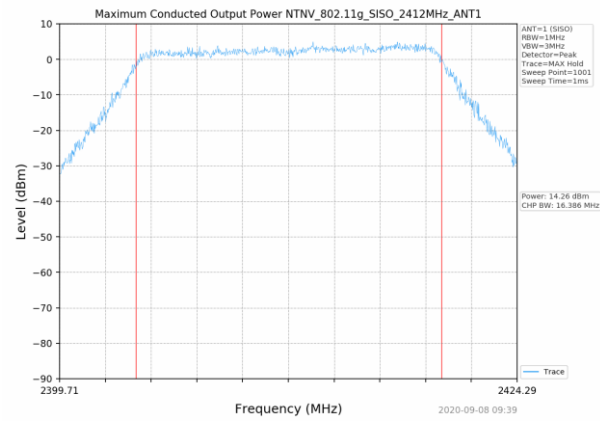
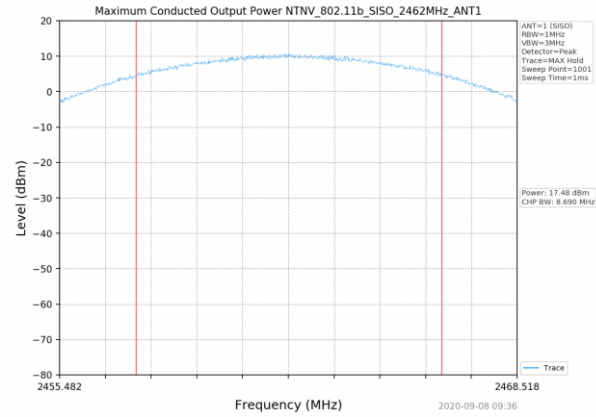
2. Maximum Conducted Output Power

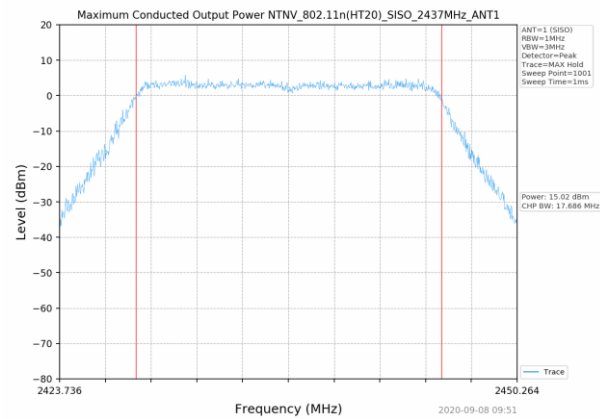
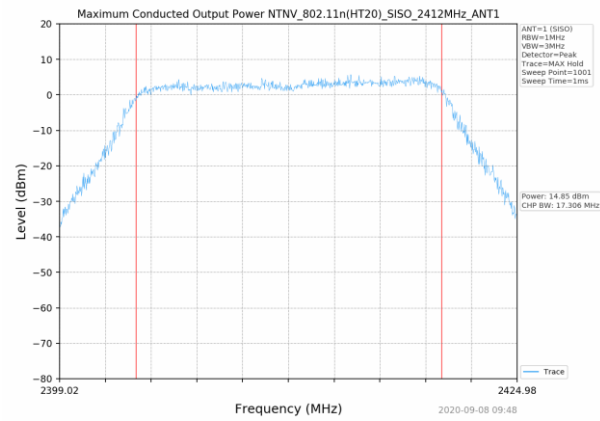
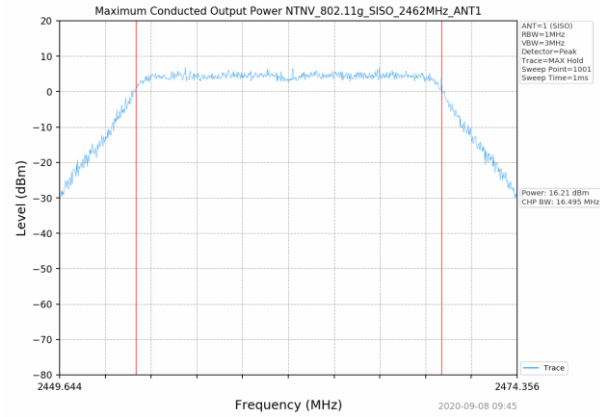
2.1 Test Result

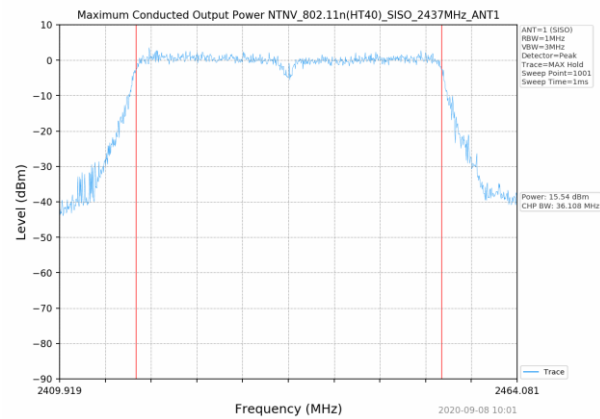
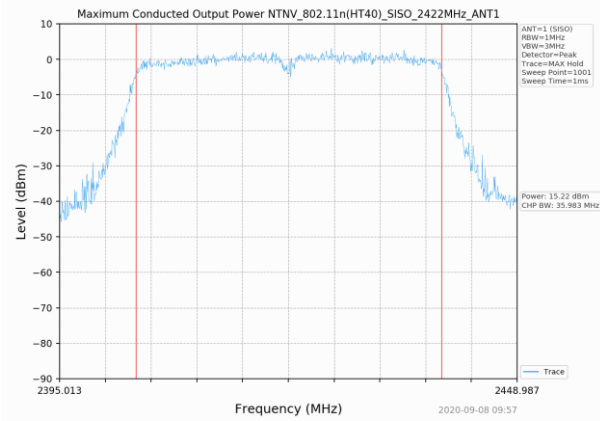
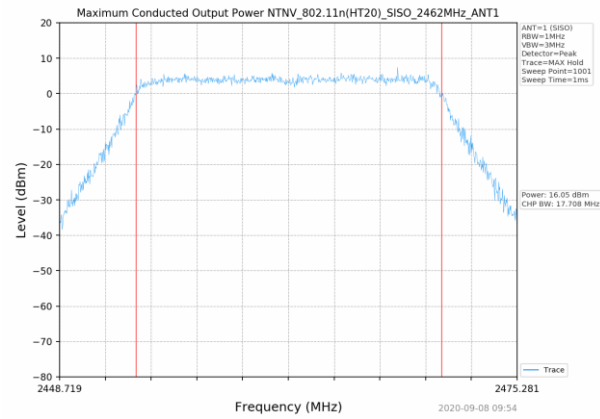
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	17.01	30	PASS
	2437	SISO	16.65	30	PASS
	2462	SISO	17.48	30	PASS
802.11g	2412	SISO	14.26	30	PASS
	2437	SISO	14.85	30	PASS
	2462	SISO	16.21	30	PASS
802.11n(HT20)	2412	SISO	14.85	30	PASS
	2437	SISO	15.02	30	PASS
	2462	SISO	16.05	30	PASS
802.11n(HT40)	2422	SISO	15.22	30	PASS
	2437	SISO	15.54	30	PASS
	2452	SISO	15.82	30	PASS

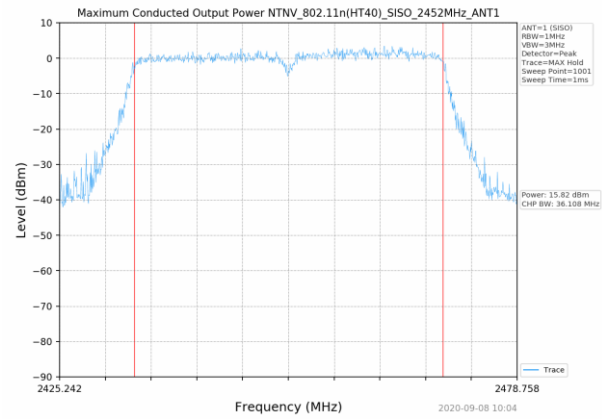
2.2 Test Graph









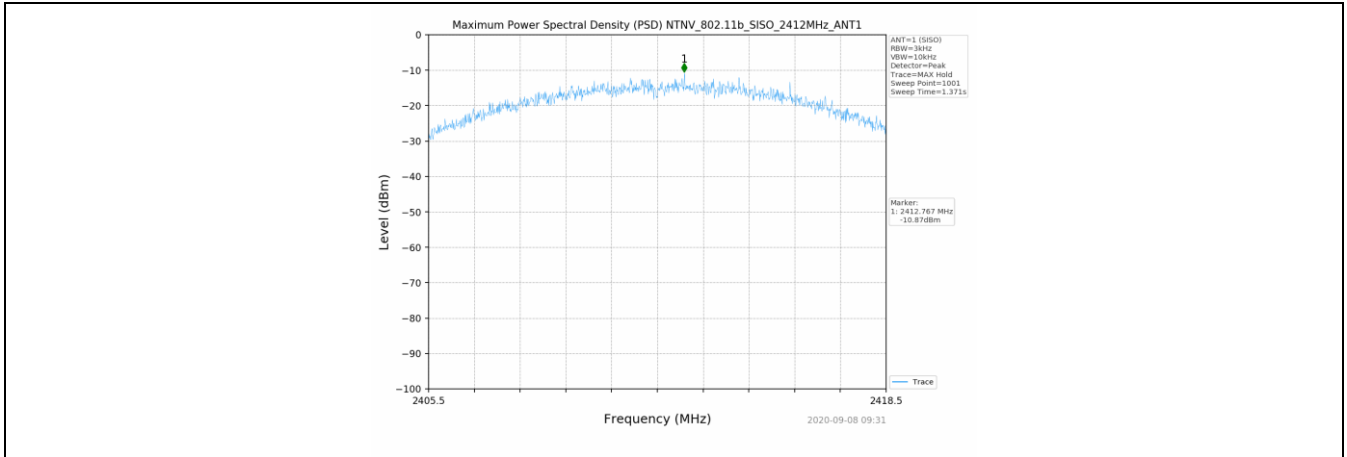


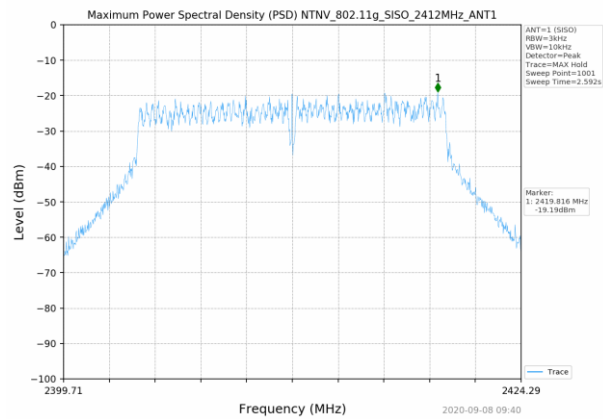
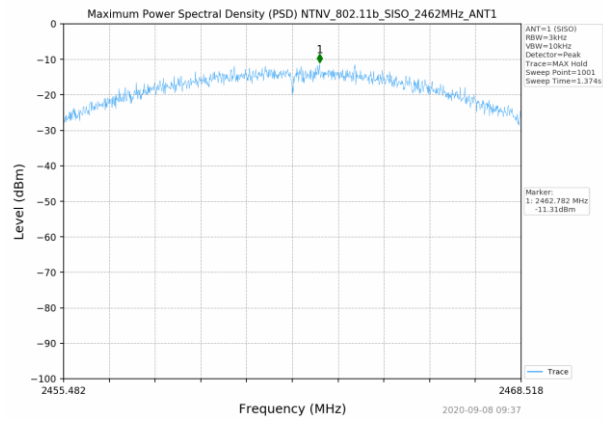
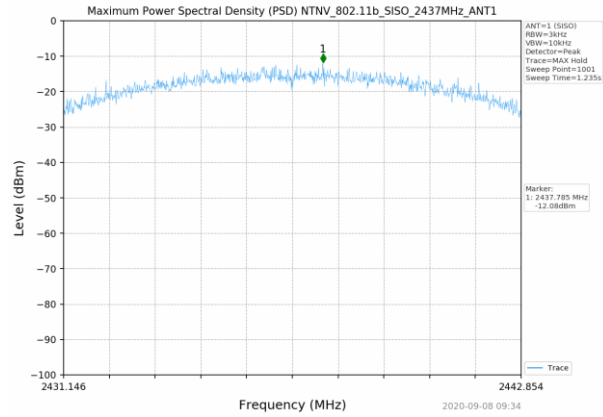
3. Maximum Power Spectral Density (PSD)

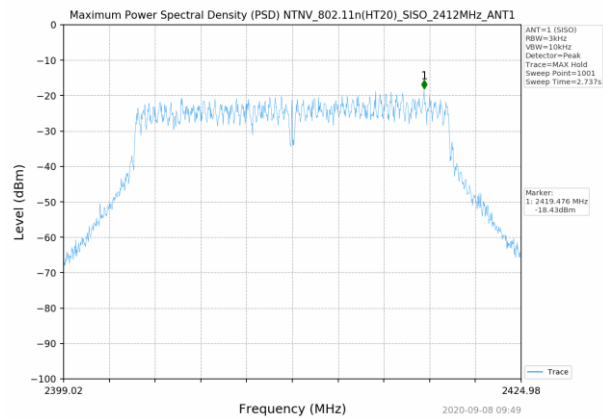
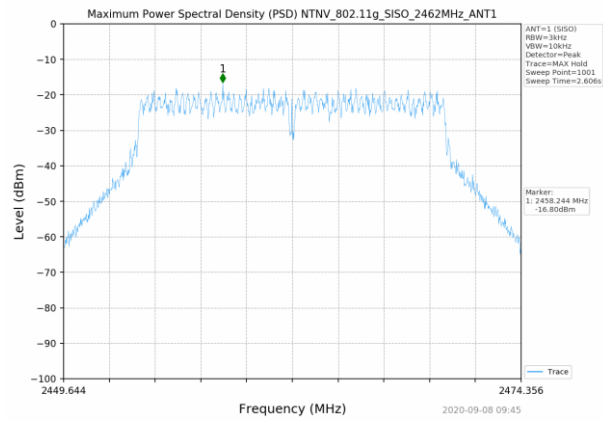
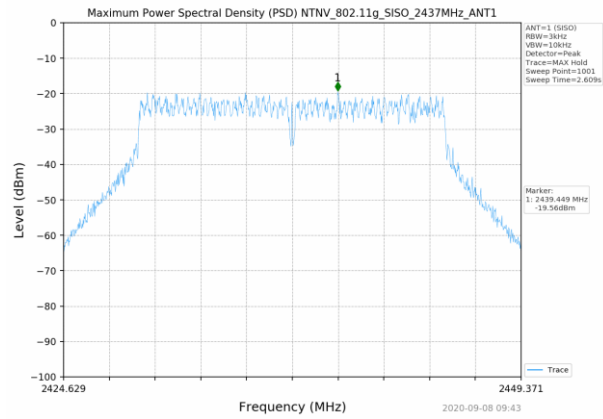
3.1 Test Result

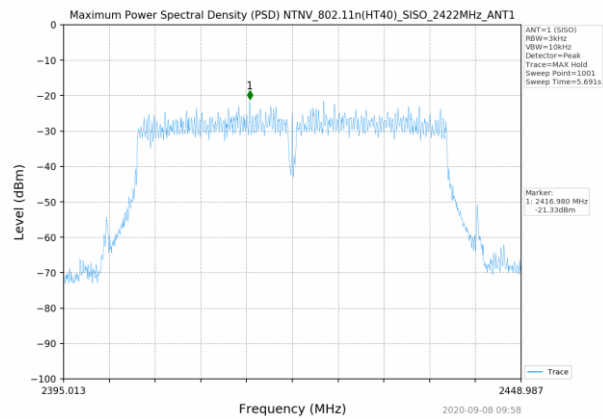
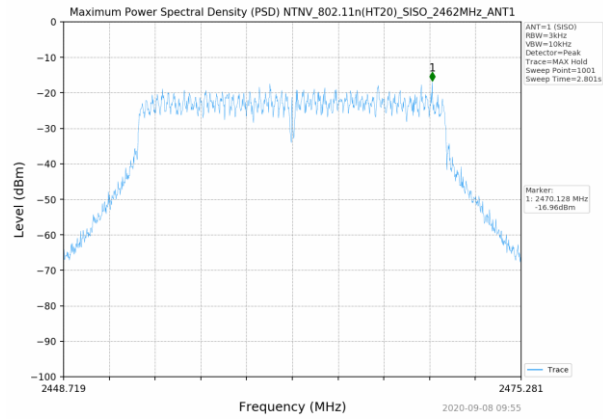
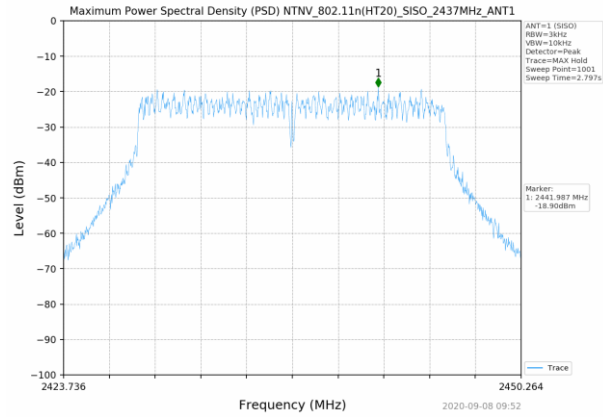
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-10.87	≤8	PASS
	2437	SISO	-12.08	≤8	PASS
	2462	SISO	-11.31	≤8	PASS
802.11g	2412	SISO	-19.19	≤8	PASS
	2437	SISO	-19.56	≤8	PASS
	2462	SISO	-16.80	≤8	PASS
802.11n(HT20)	2412	SISO	-18.43	≤8	PASS
	2437	SISO	-18.90	≤8	PASS
	2462	SISO	-16.96	≤8	PASS
802.11n(HT40)	2422	SISO	-21.33	≤8	PASS
	2437	SISO	-22.34	≤8	PASS
	2452	SISO	-21.77	≤8	PASS

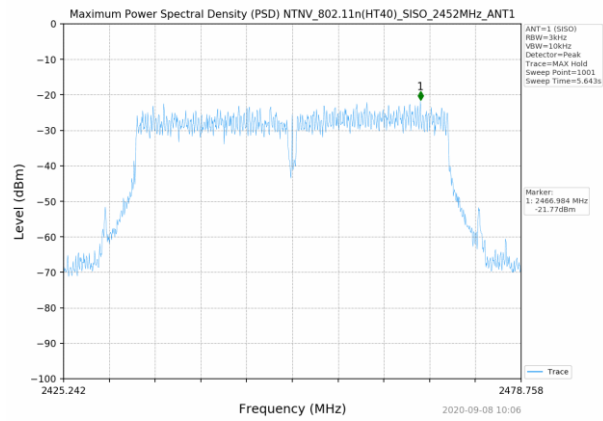
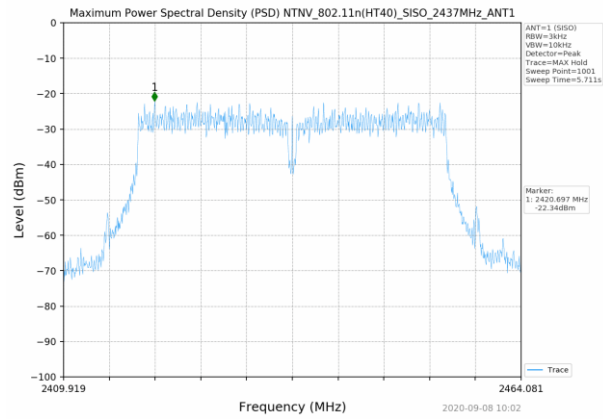
3.2 Test Graph











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	-15.99	PASS
	2437	SISO	1	Refer to test graph	-15.99	PASS
	2462	SISO	1	Refer to test graph	-15.99	PASS
802.11g	2412	SISO	1	Refer to test graph	-22.13	PASS
	2437	SISO	1	Refer to test graph	-22.13	PASS
	2462	SISO	1	Refer to test graph	-22.13	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-22.19	PASS
	2437	SISO	1	Refer to test graph	-22.19	PASS
	2462	SISO	1	Refer to test graph	-22.19	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-24.76	PASS
	2437	SISO	1	Refer to test graph	-24.76	PASS
	2452	SISO	1	Refer to test graph	-24.76	PASS

4.2 Test Graph

