

Annex for 2.4G WIFI

Test Report No : CTL2009212012-WF

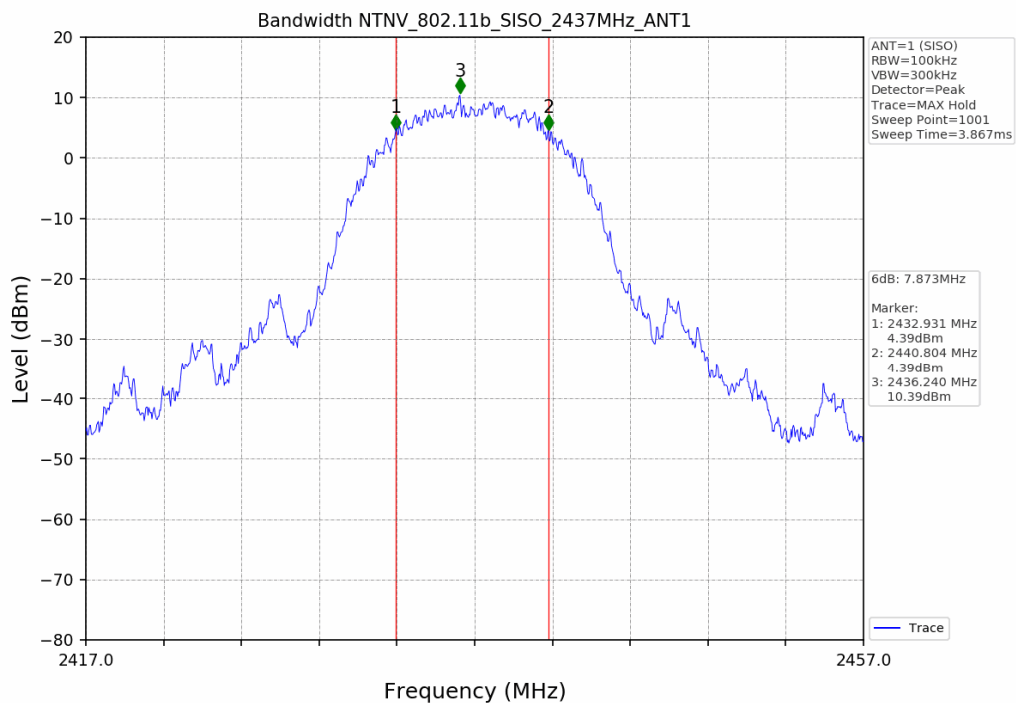
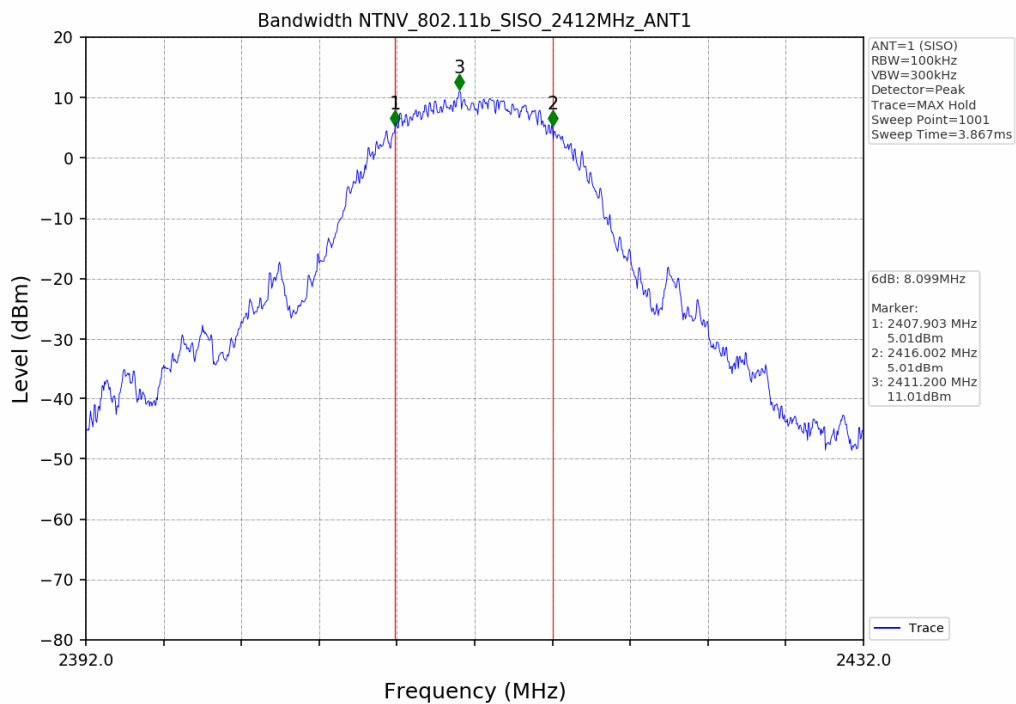
1. Bandwidth

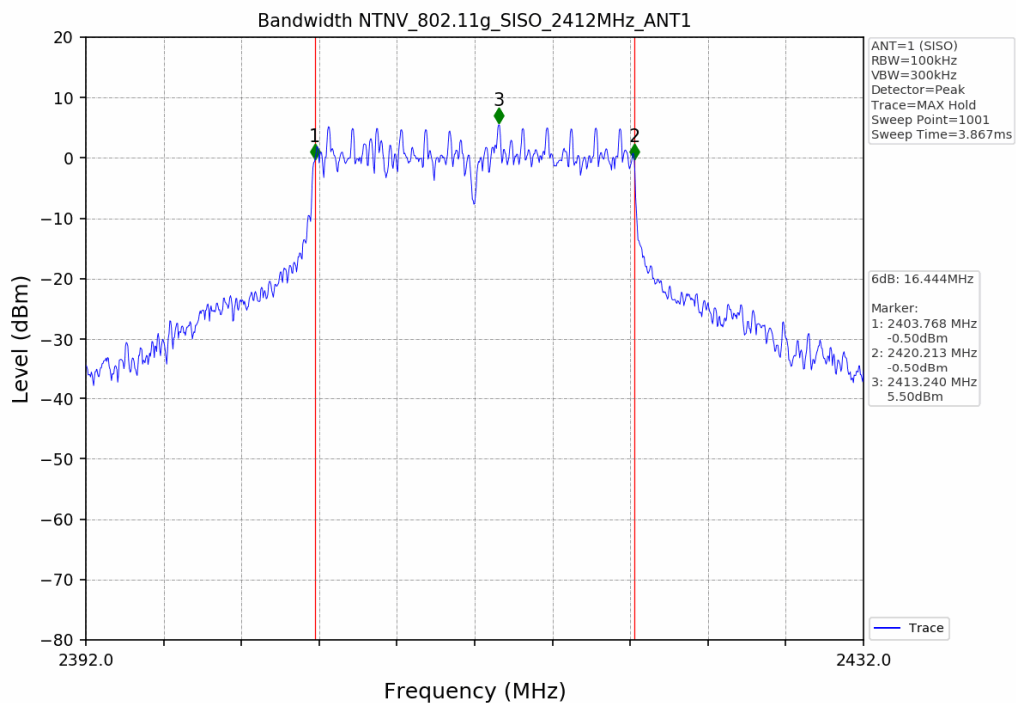
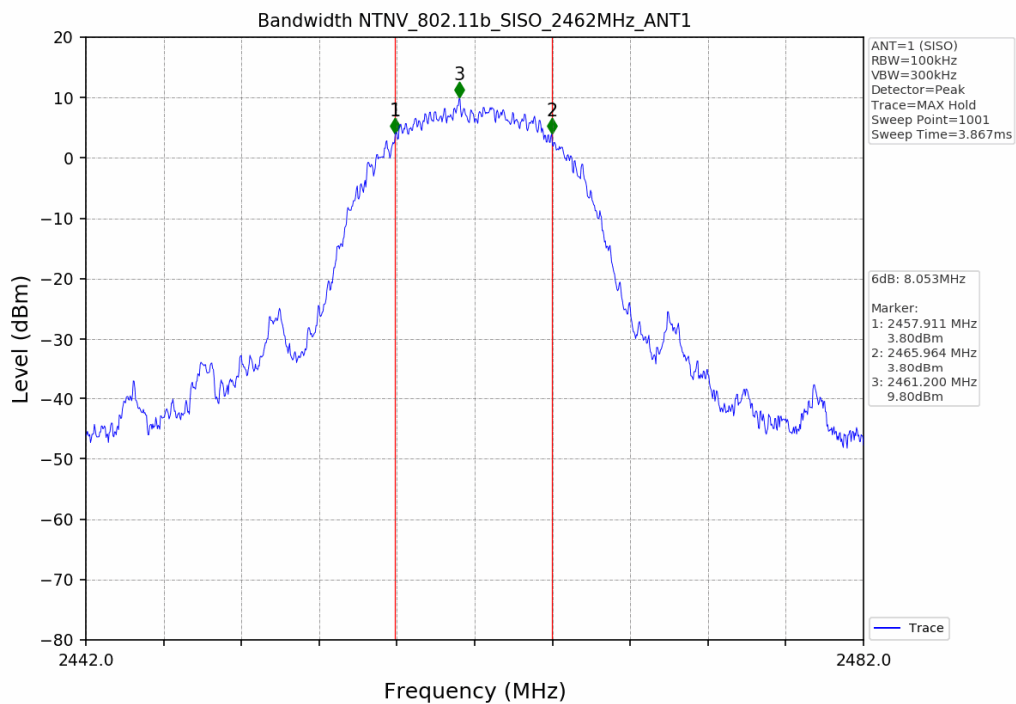
1.1 Test Result

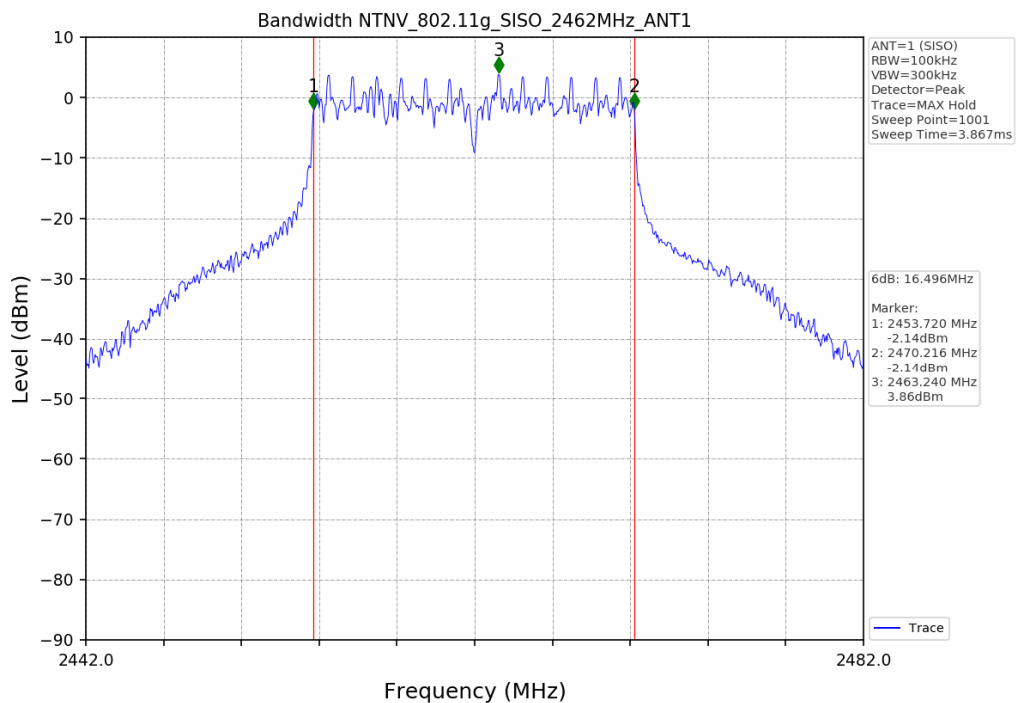
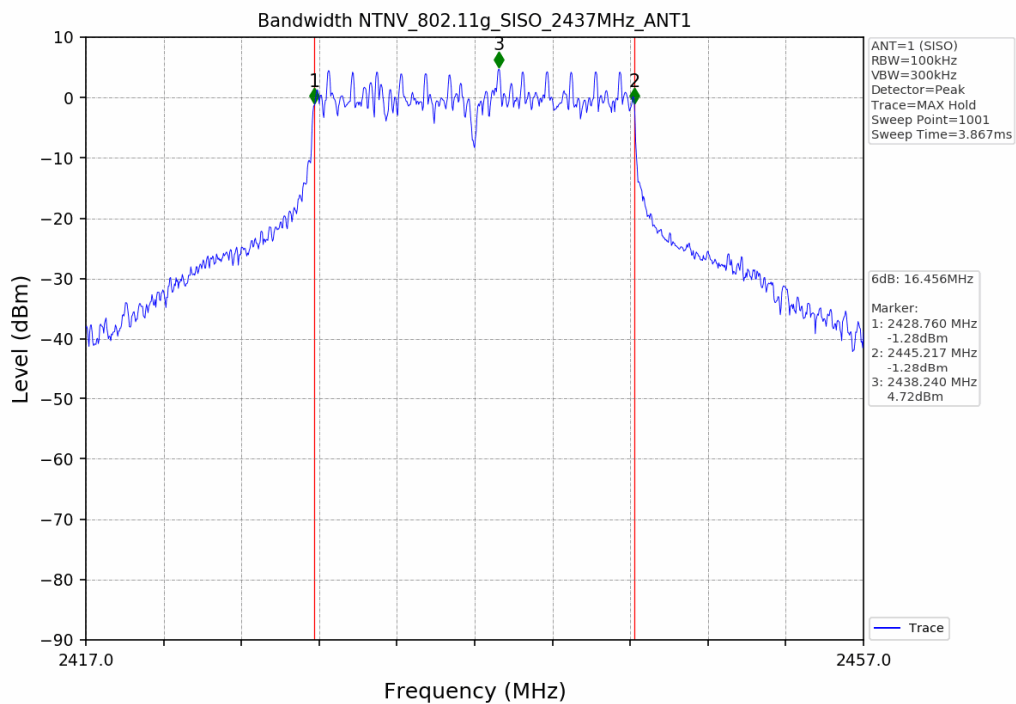
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	8.099	≥0.5	PASS
	2437	SISO	1	7.873	≥0.5	PASS
	2462	SISO	1	8.053	≥0.5	PASS
802.11g	2412	SISO	1	16.444	≥0.5	PASS
	2437	SISO	1	16.456	≥0.5	PASS
	2462	SISO	1	16.496	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.612	≥0.5	PASS
	2437	SISO	1	17.623	≥0.5	PASS
	2462	SISO	1	17.626	≥0.5	PASS

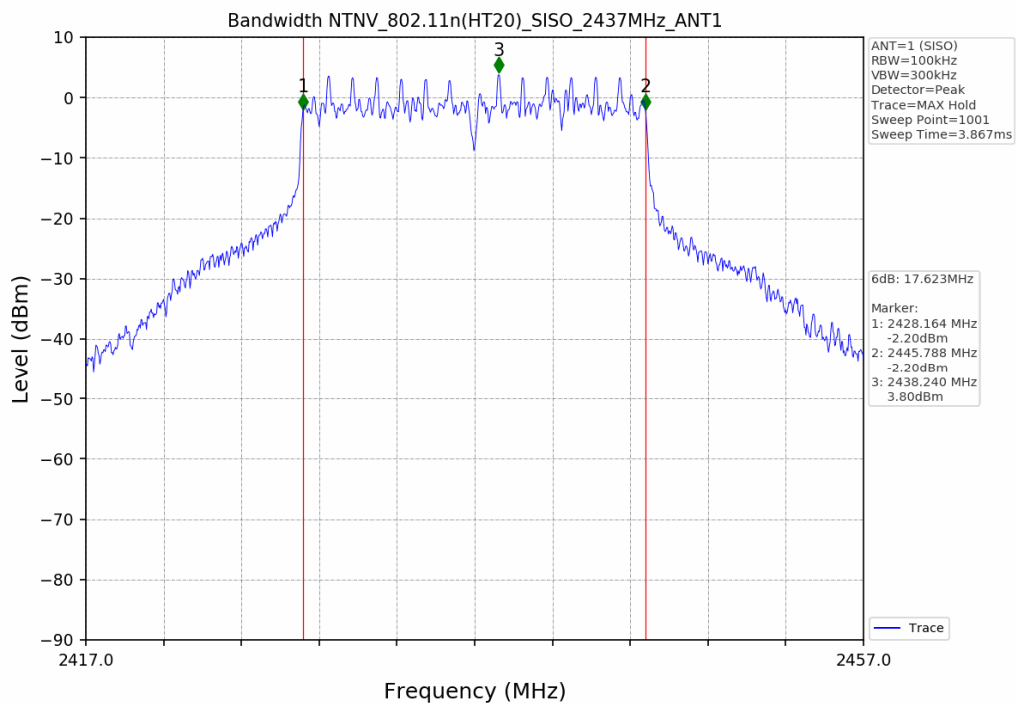
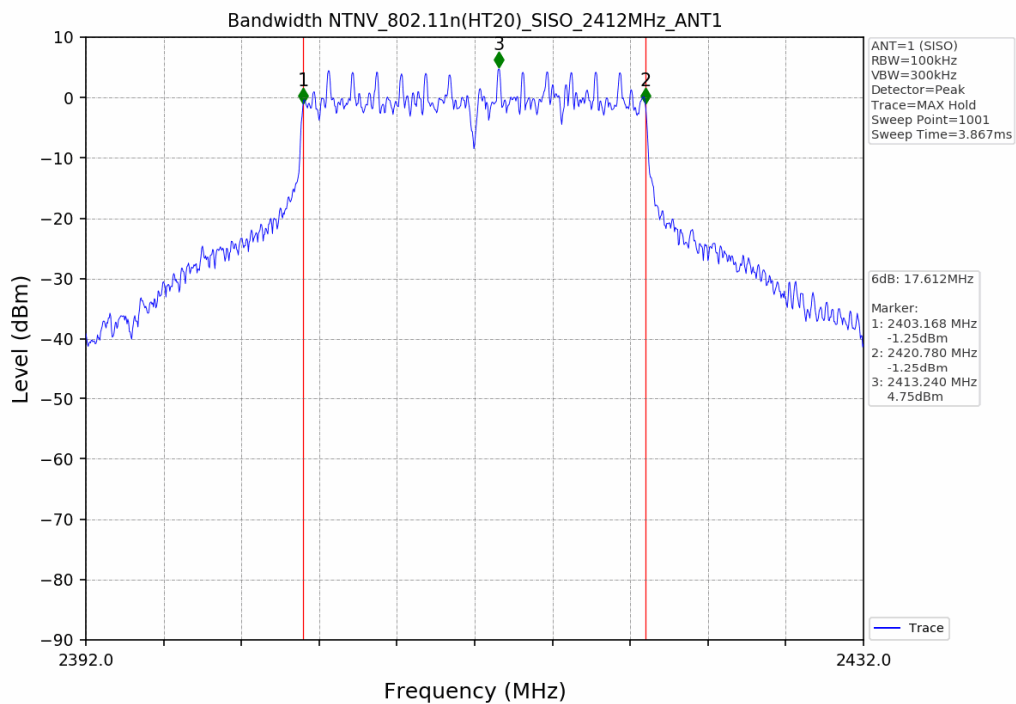
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	11.822	Only for Report Use
	2437	SISO	1	11.511	Only for Report Use
	2462	SISO	1	11.437	Only for Report Use
802.11g	2412	SISO	1	17.038	Only for Report Use
	2437	SISO	1	16.985	Only for Report Use
	2462	SISO	1	16.971	Only for Report Use
802.11n(HT20)	2412	SISO	1	18.053	Only for Report Use
	2437	SISO	1	18.048	Only for Report Use
	2462	SISO	1	18.049	Only for Report Use

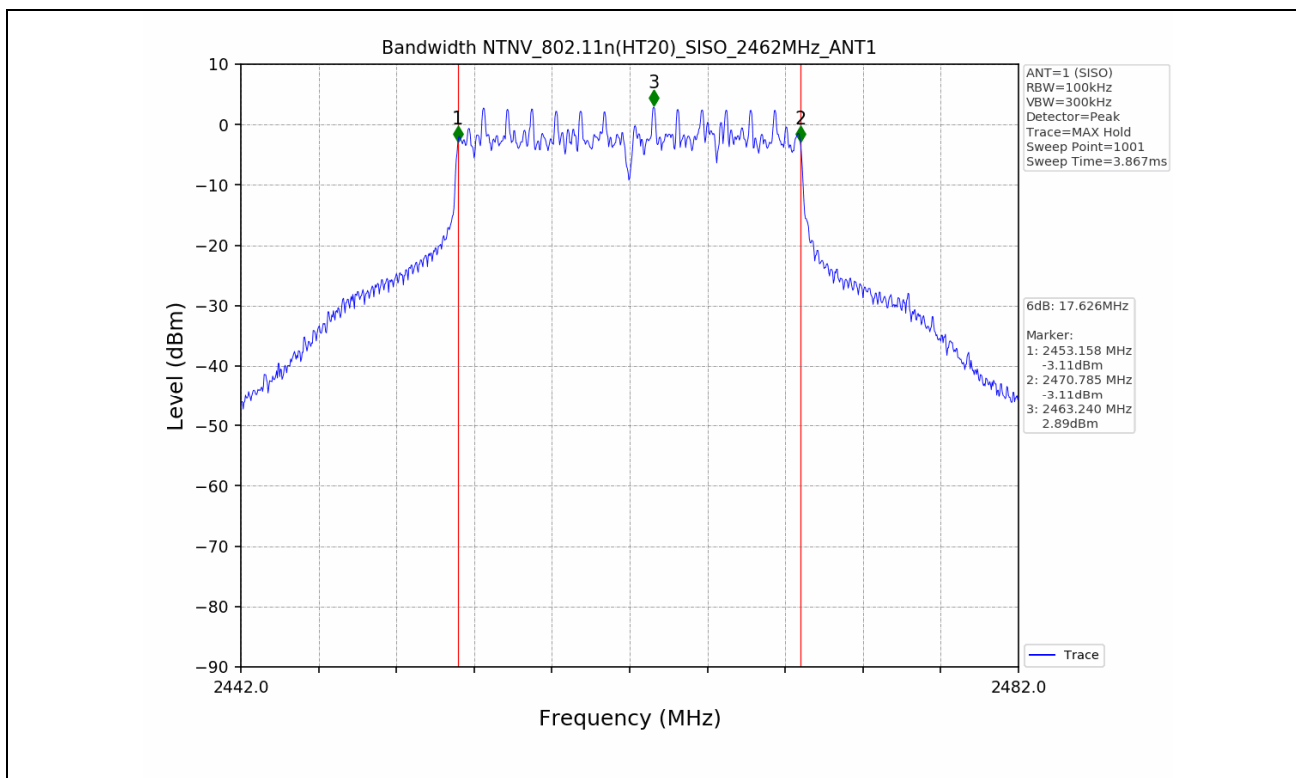
1.2 Test Graph - 6dB Bandwidth



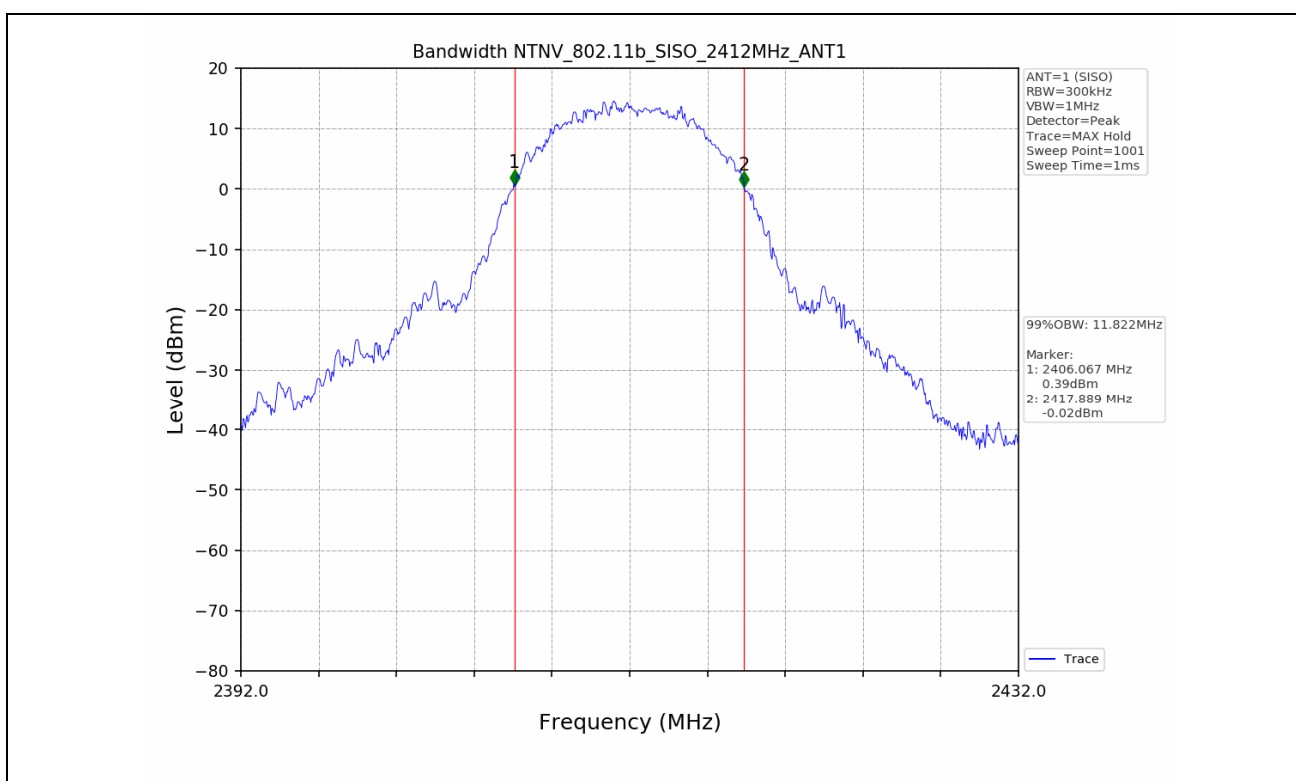


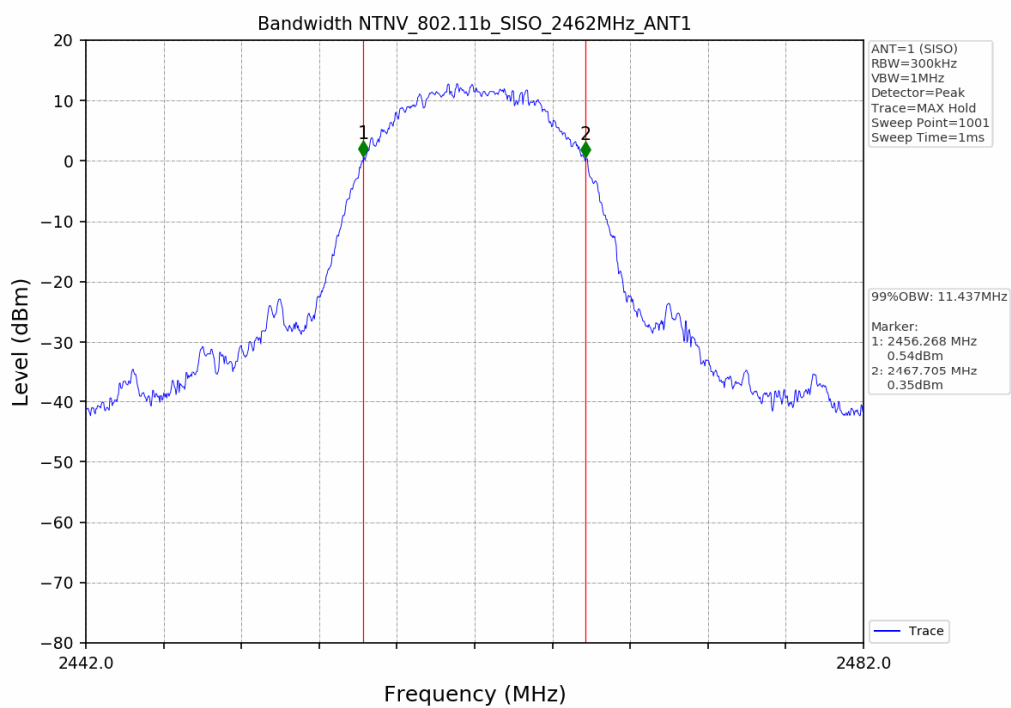
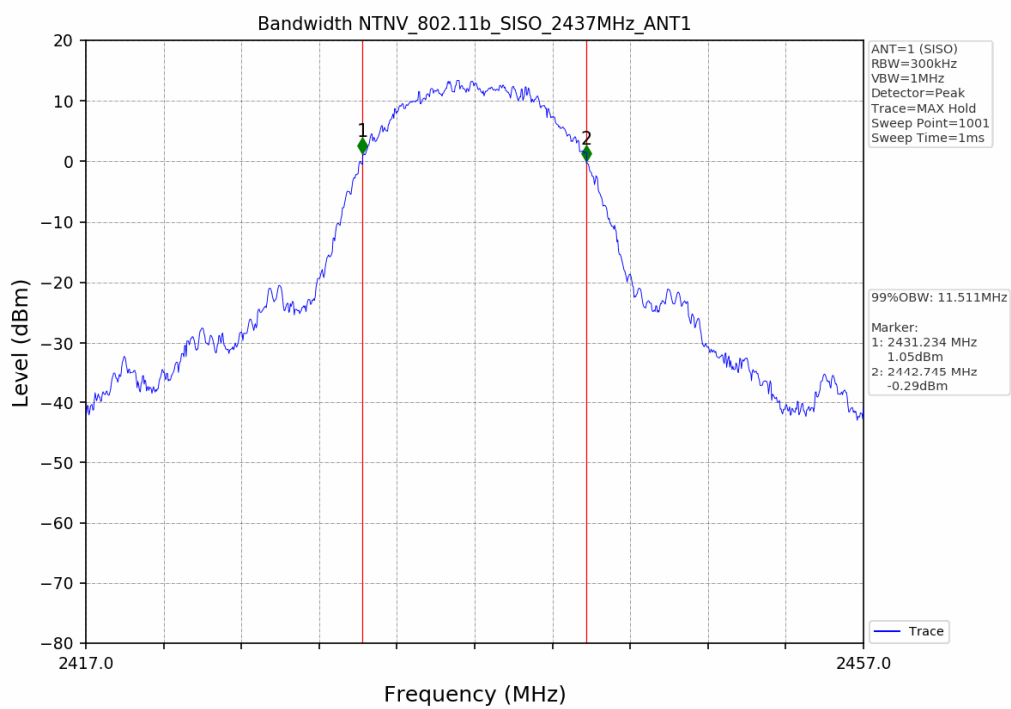


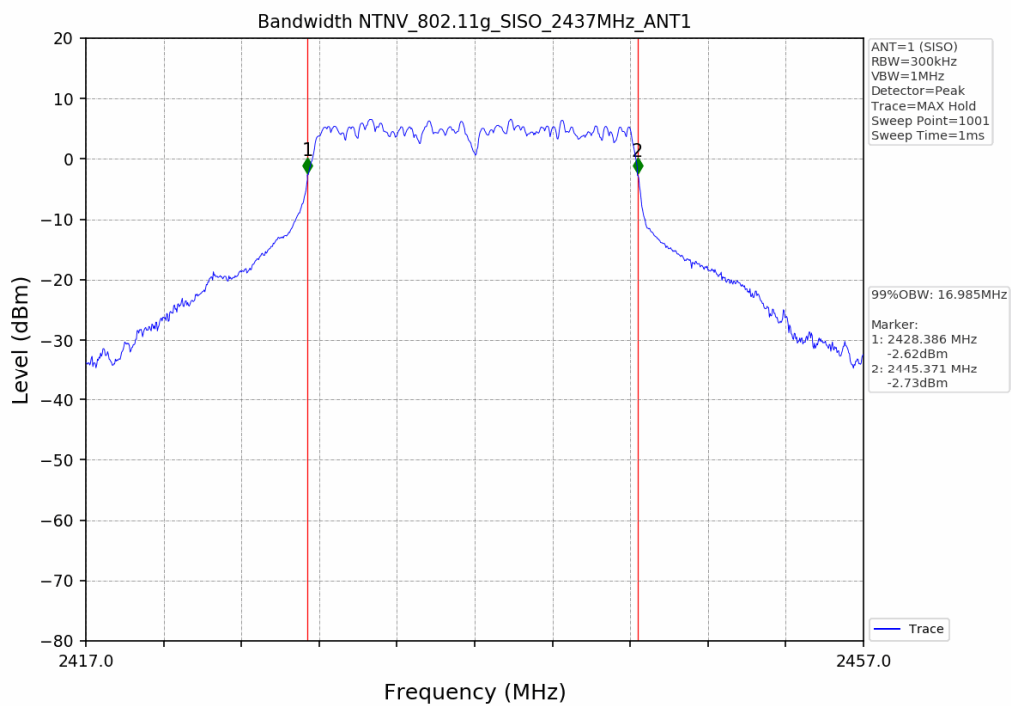
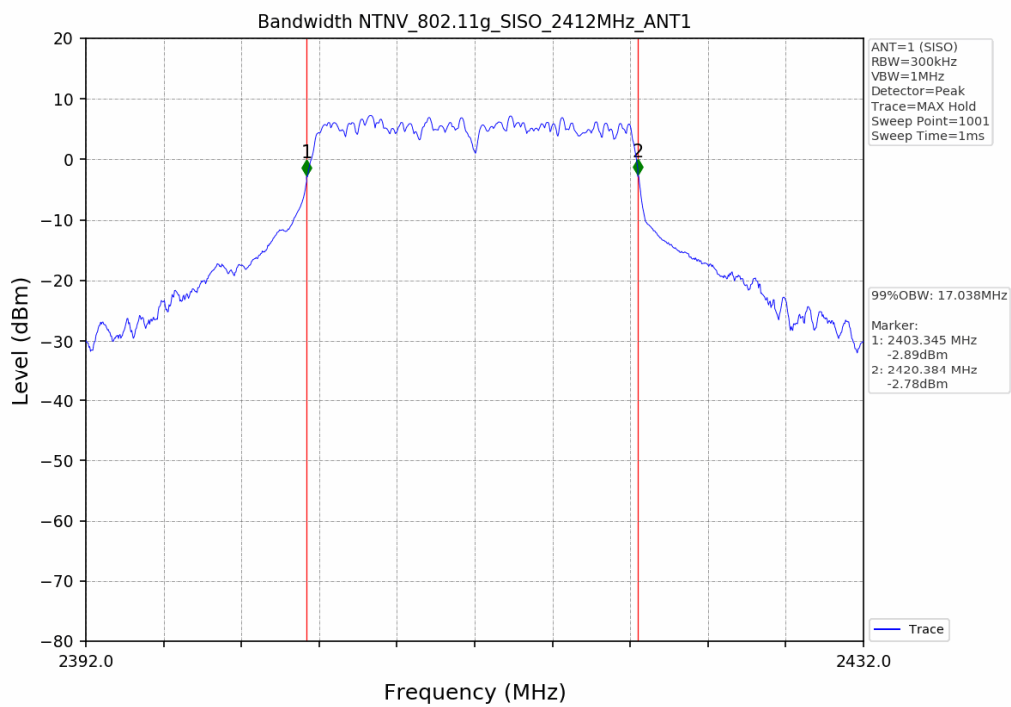


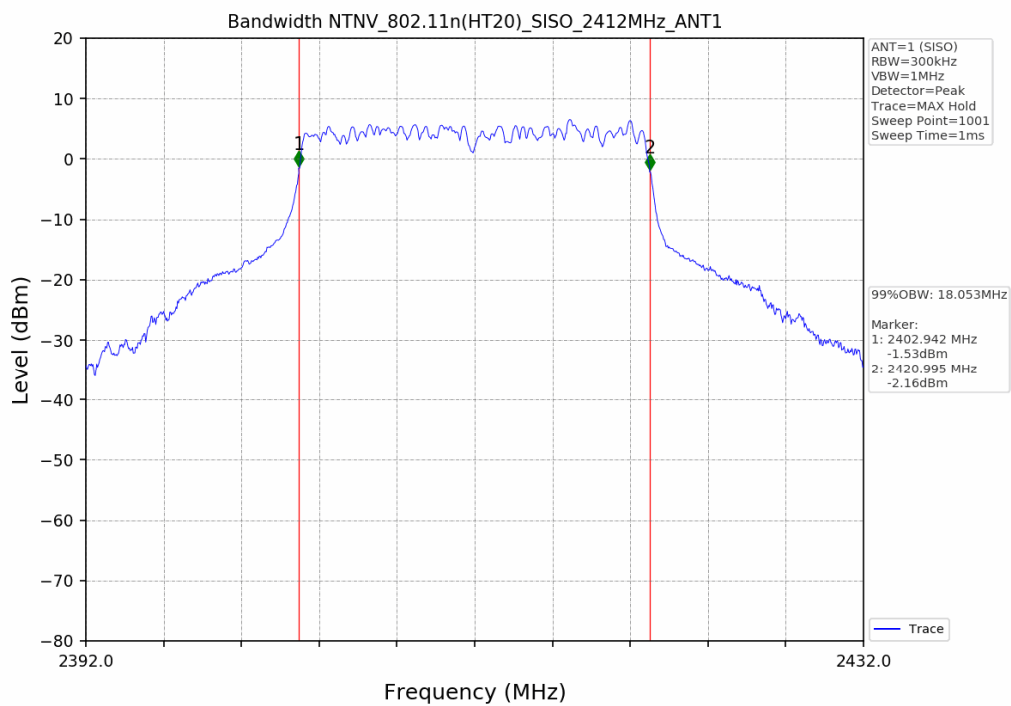
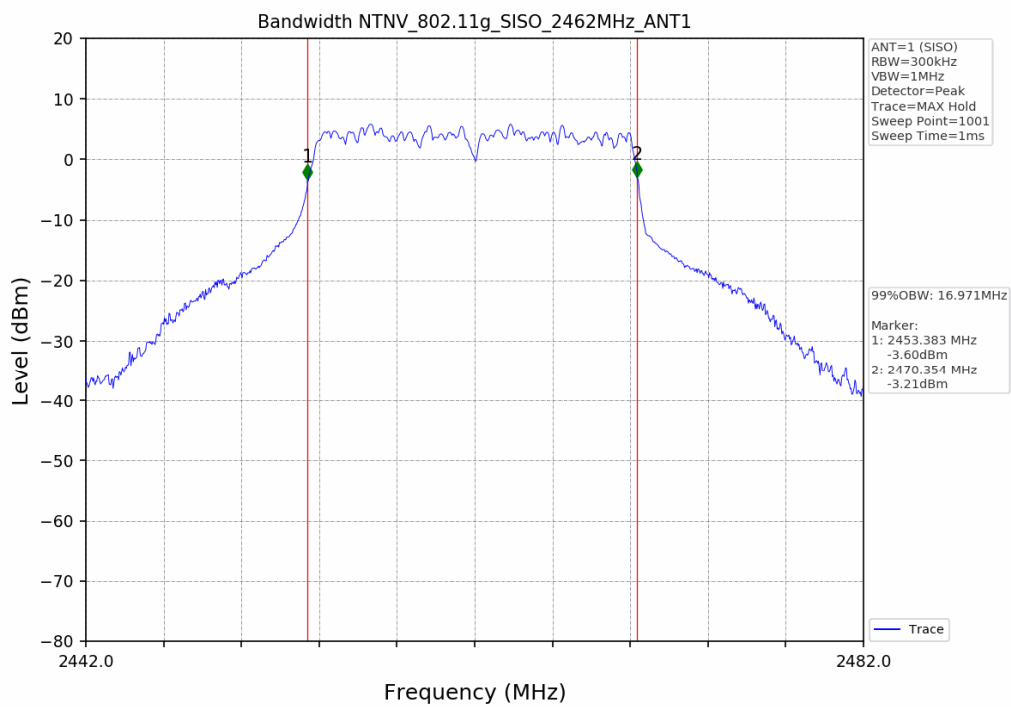


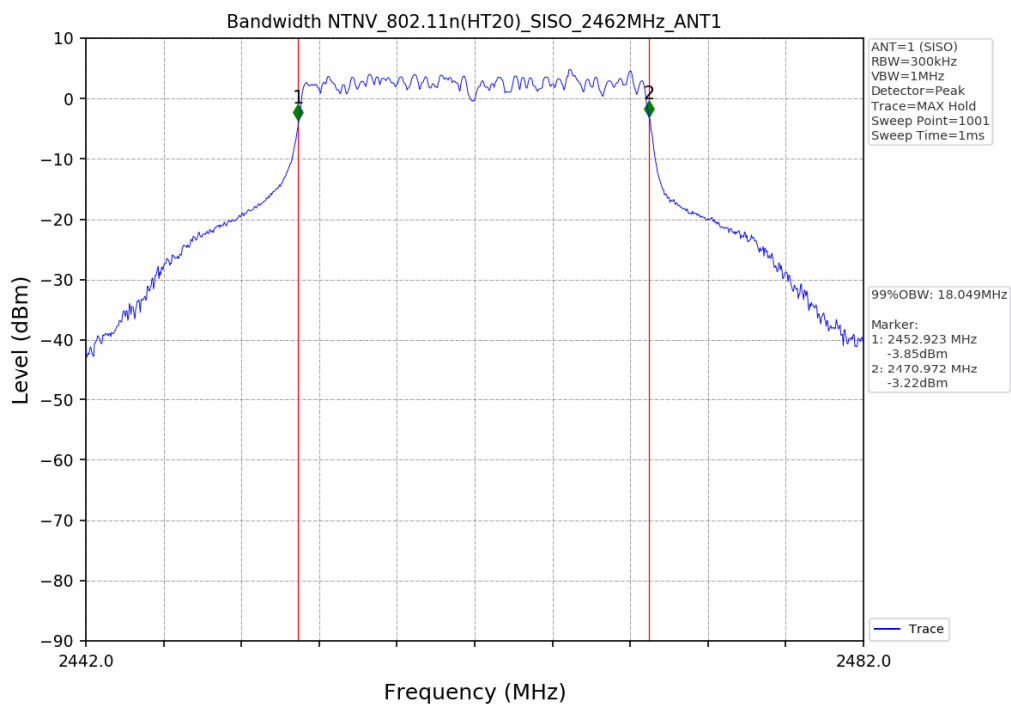
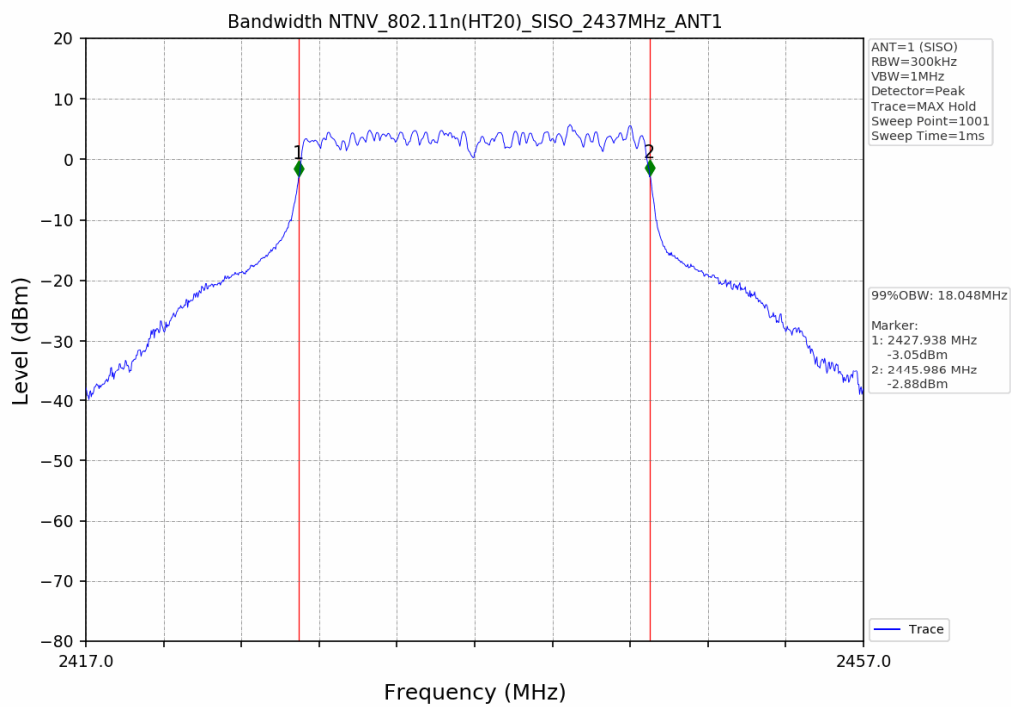
1.3 Test Graph - 99% Occupied Bandwidth











2. Maximum Conducted Output Power

2.1 Test Result

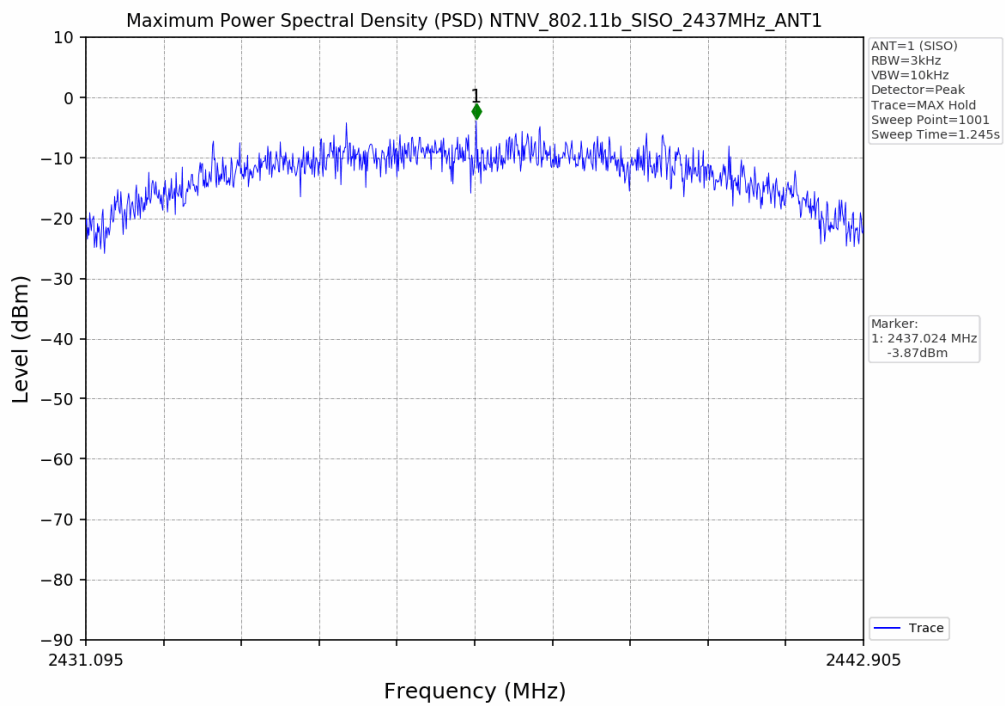
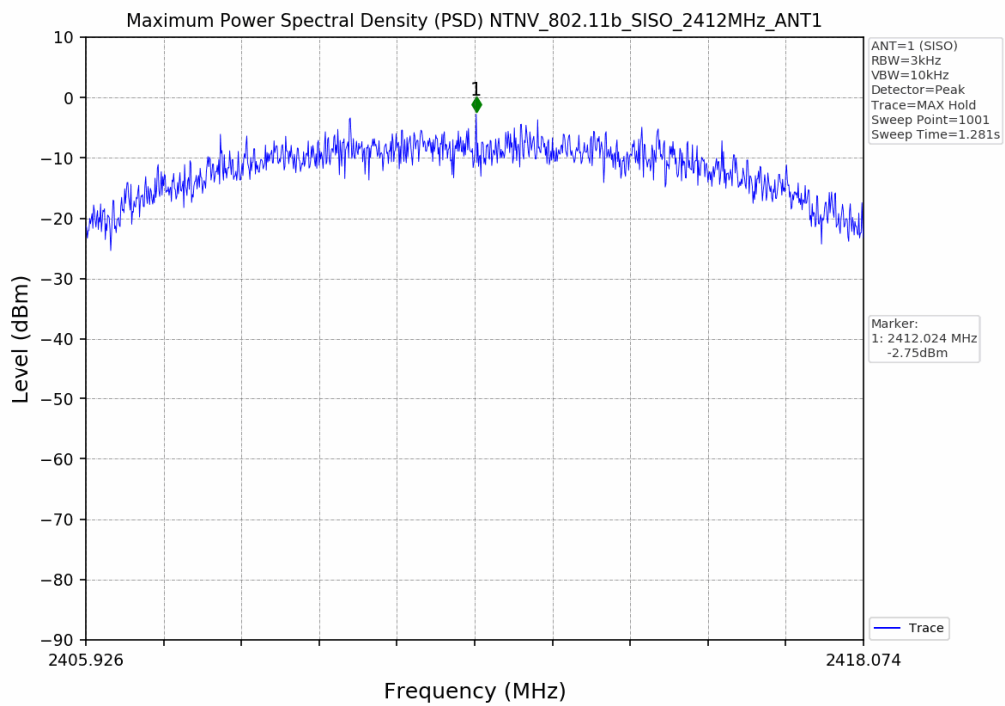
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	15.17	30	PASS
	2437	SISO	14.17	30	PASS
	2462	SISO	14.55	30	PASS
802.11g	2412	SISO	14.19	30	PASS
	2437	SISO	13.62	30	PASS
	2462	SISO	13.87	30	PASS
802.11n(HT20)	2412	SISO	14.53	30	PASS
	2437	SISO	13.75	30	PASS
	2462	SISO	13.92	30	PASS

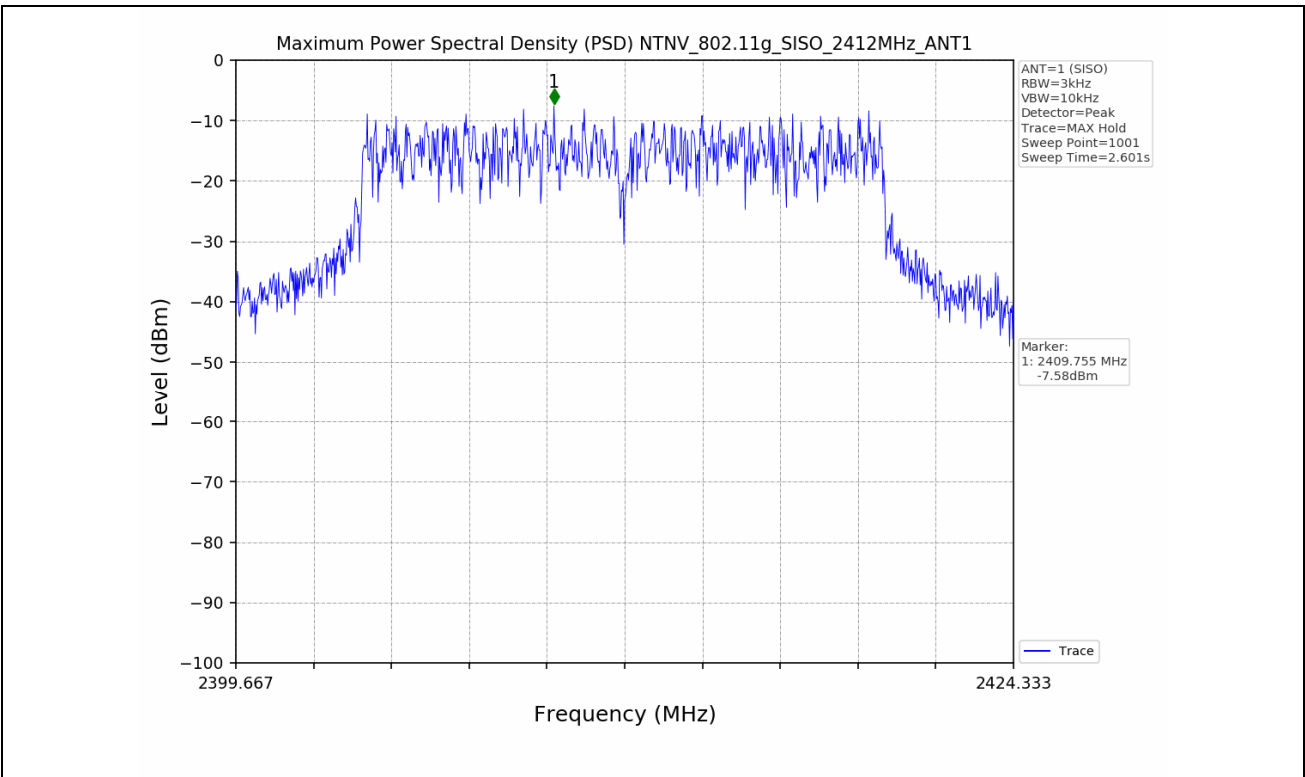
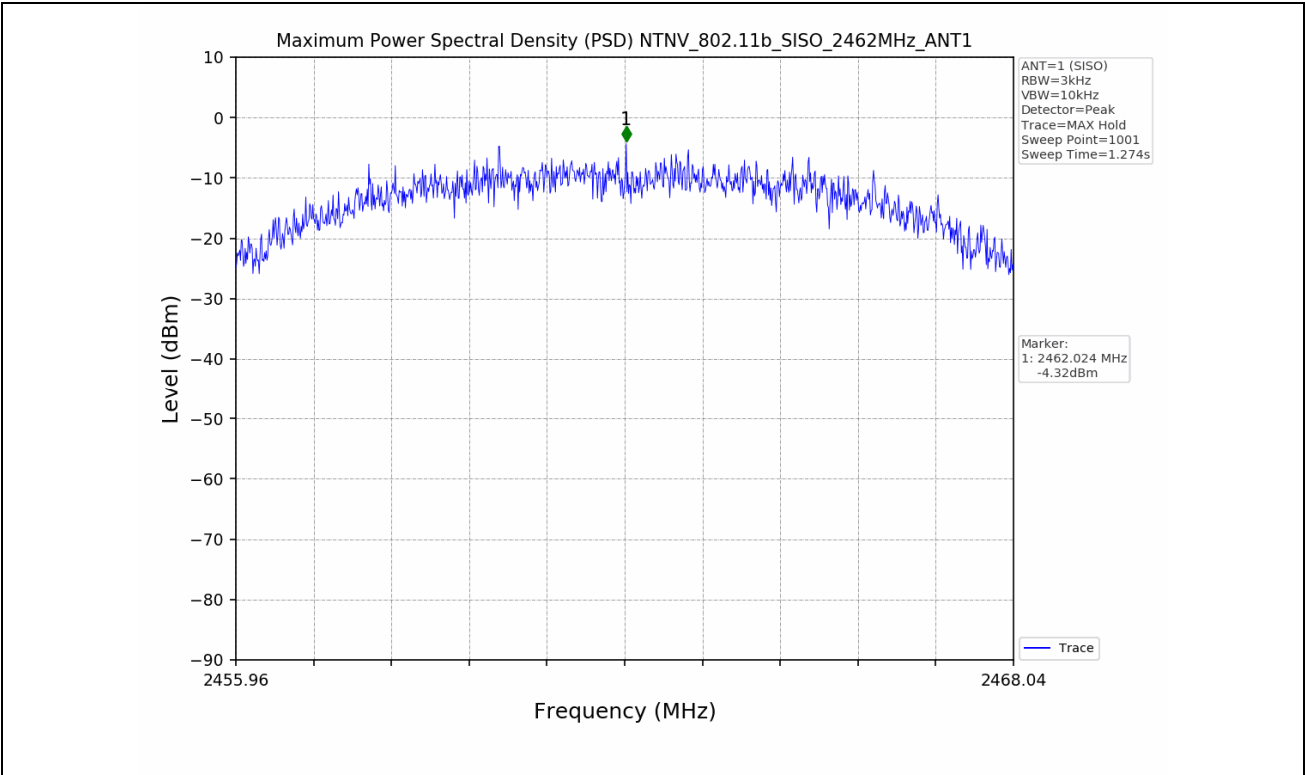
3. Maximum Power Spectral Density (PSD)

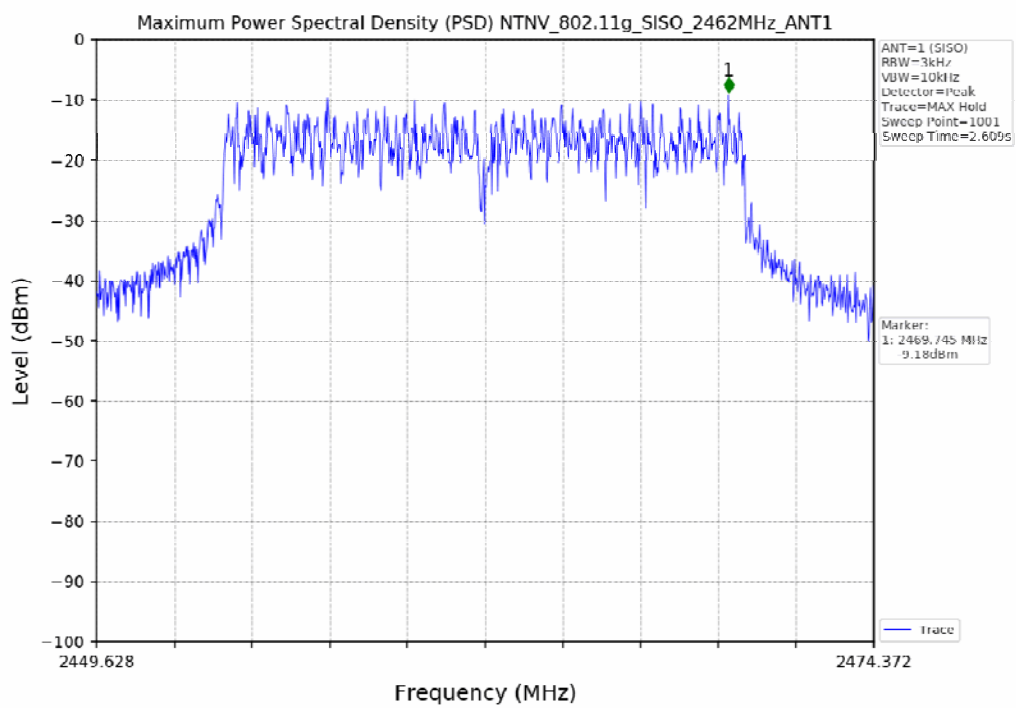
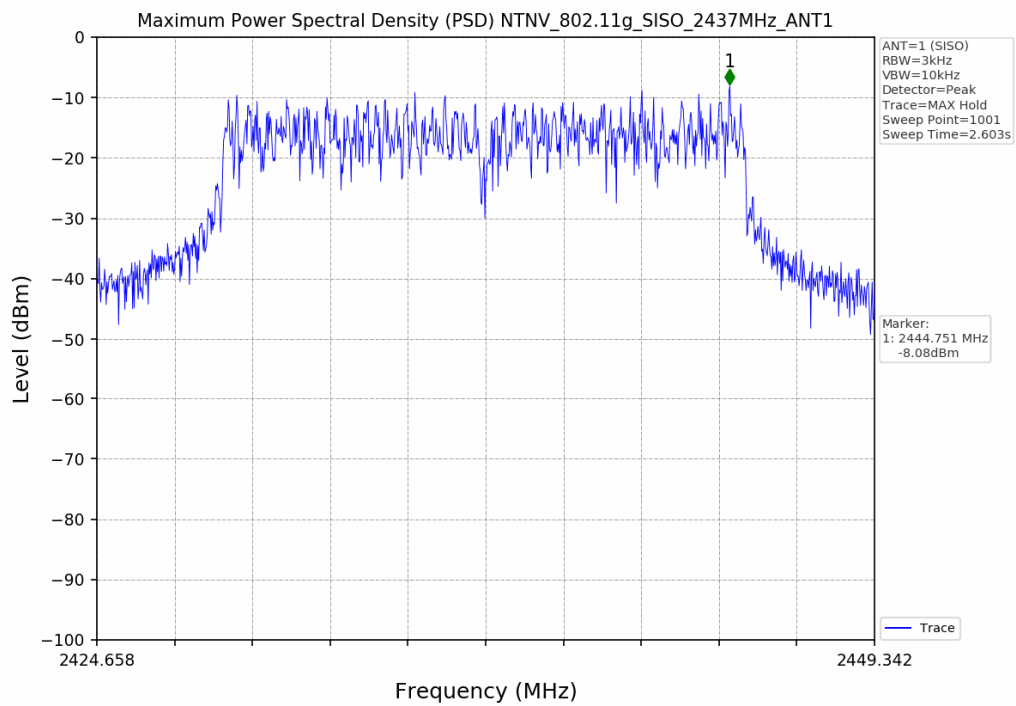
3.1 Test Result

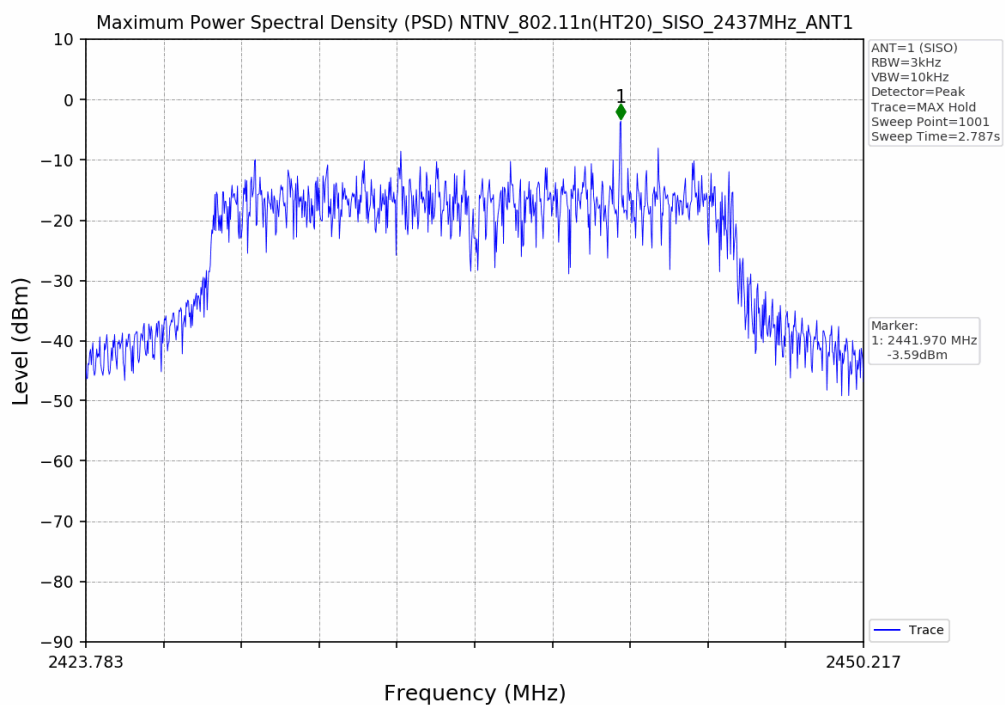
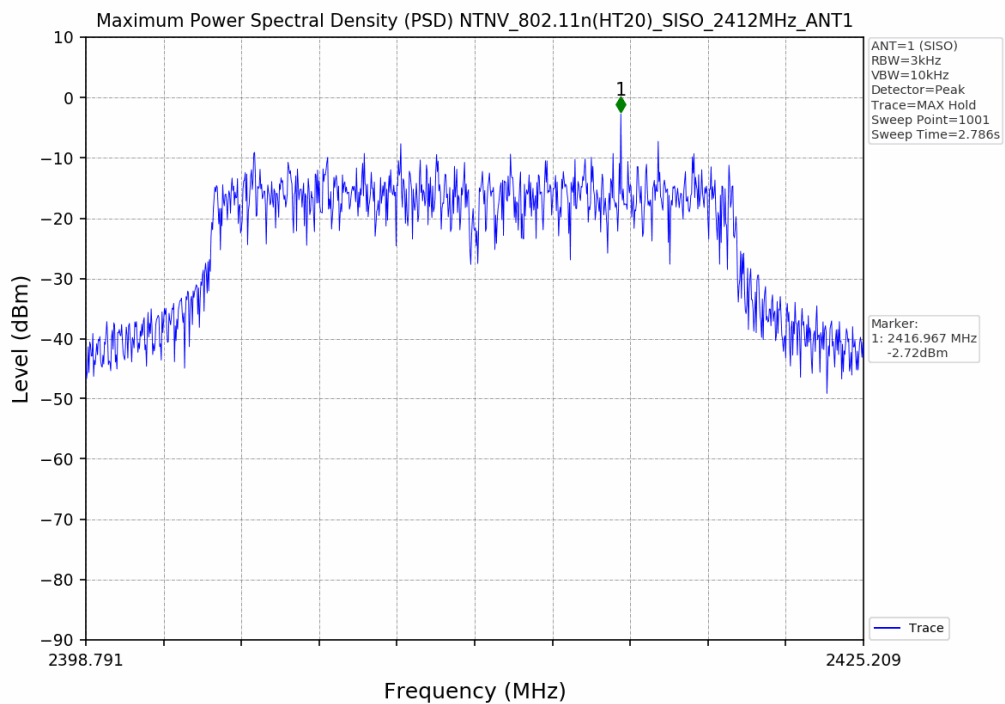
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-2.75	≤8	PASS
	2437	SISO	-3.87	≤8	PASS
	2462	SISO	-4.32	≤8	PASS
802.11g	2412	SISO	-7.58	≤8	PASS
	2437	SISO	-8.08	≤8	PASS
	2462	SISO	-9.18	≤8	PASS
802.11n(HT20)	2412	SISO	-2.72	≤8	PASS
	2437	SISO	-3.59	≤8	PASS
	2462	SISO	-4.55	≤8	PASS

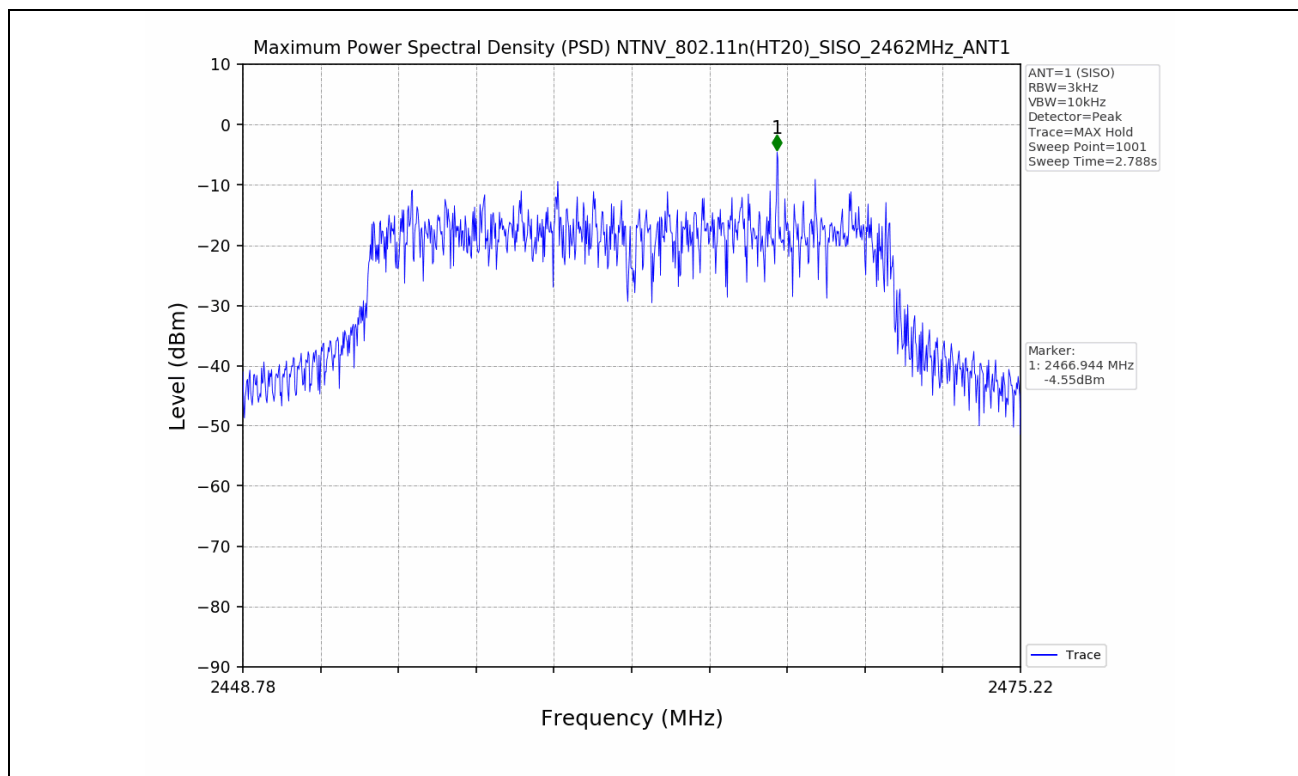
3.2 Test Graph











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	-8.84	PASS
	2437	SISO	1	Refer to test graph	-8.84	PASS
	2462	SISO	1	Refer to test graph	-8.84	PASS
802.11g	2412	SISO	1	Refer to test graph	-14.46	PASS
	2437	SISO	1	Refer to test graph	-14.46	PASS
	2462	SISO	1	Refer to test graph	-14.46	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-15.34	PASS
	2437	SISO	1	Refer to test graph	-15.34	PASS
	2462	SISO	1	Refer to test graph	-15.34	PASS

4.2 Test Graph

