



Shenzhen CTL Testing Technology Co., Ltd.

Tel: +86-755-89486194 E-mail: ctl@ctl-lab.com

Appendix for 15.247

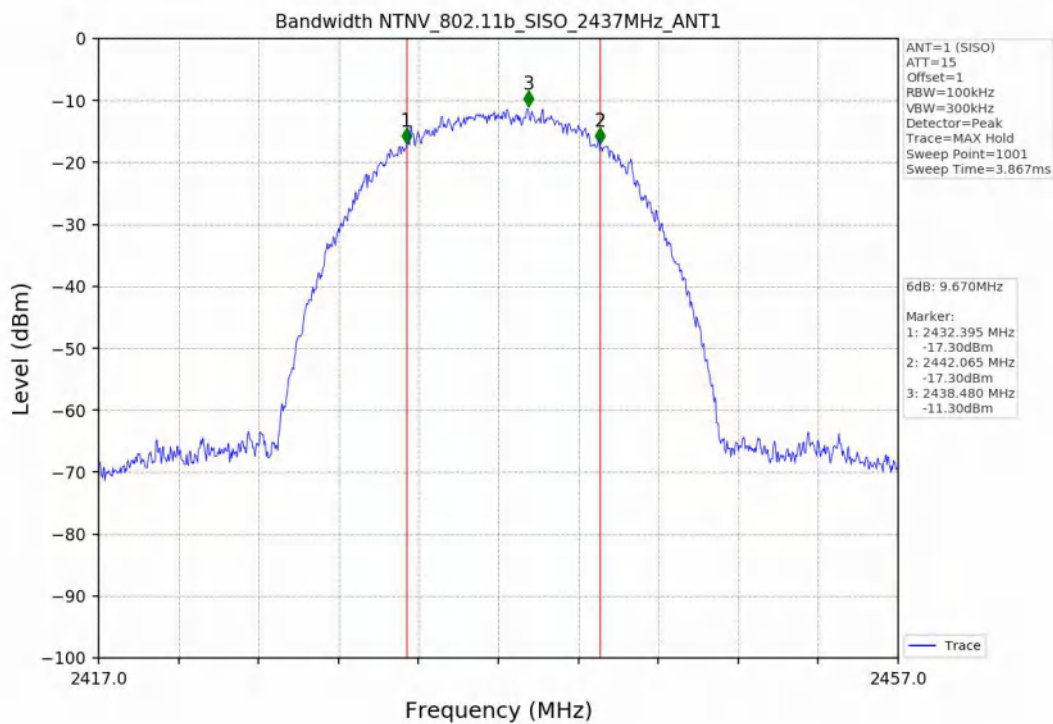
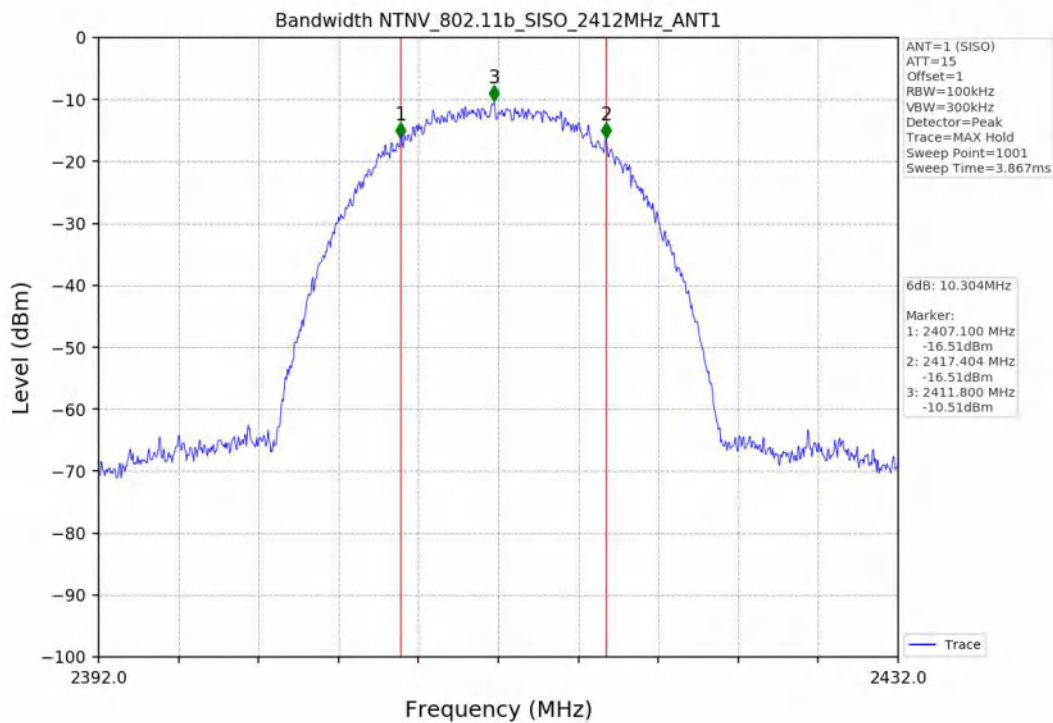
1. Bandwidth

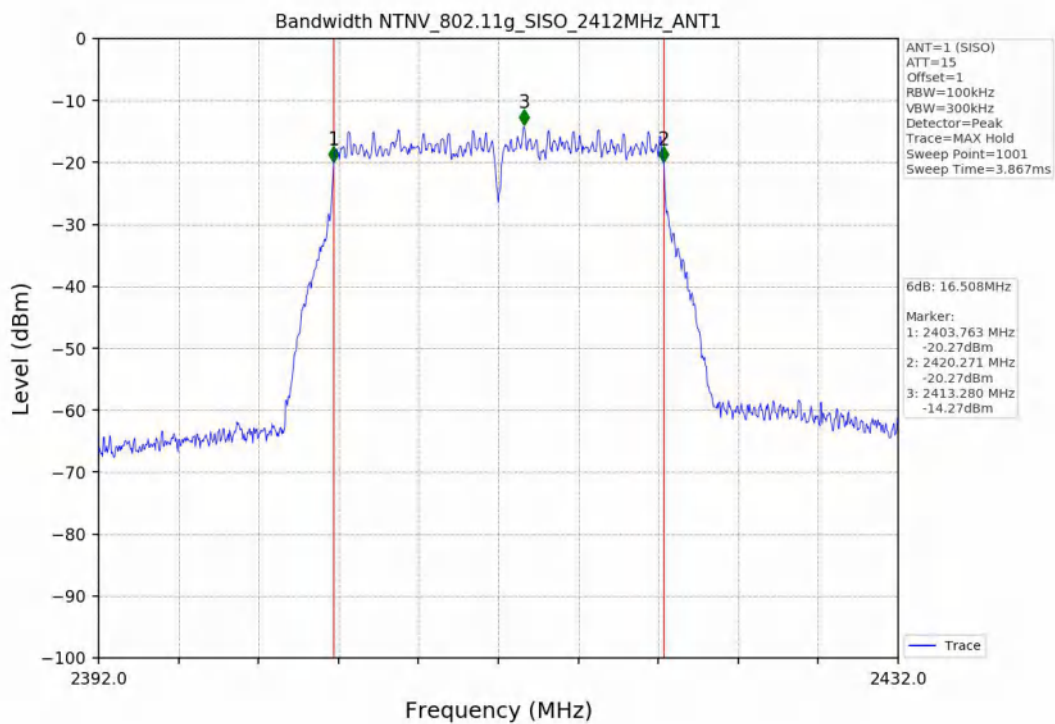
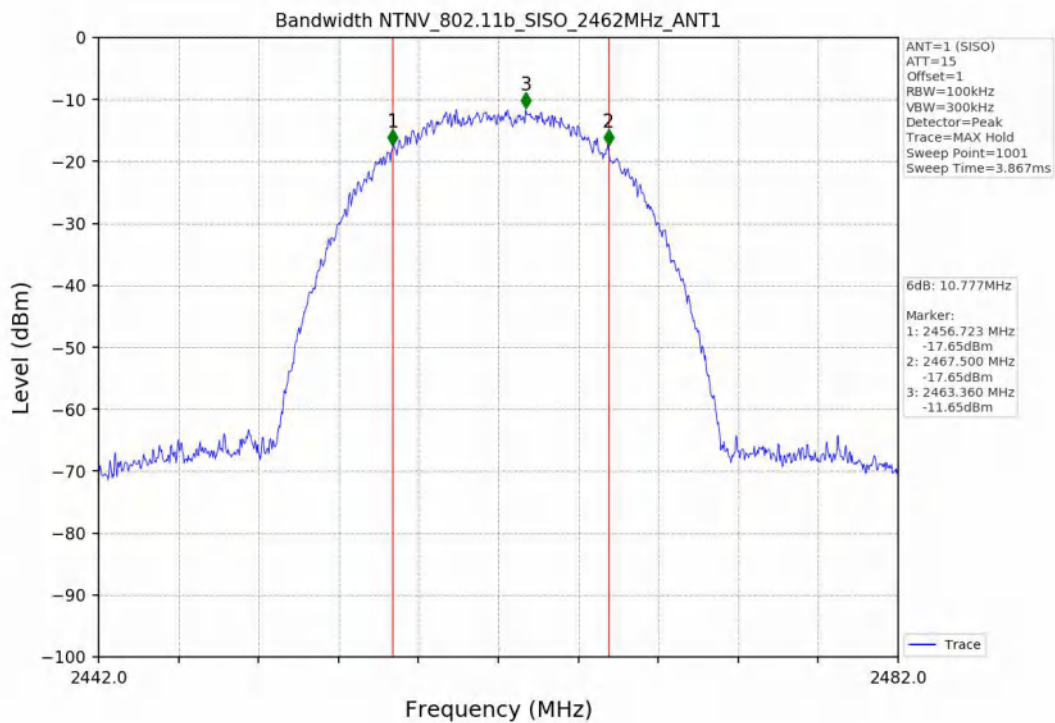
1.1 Test Result

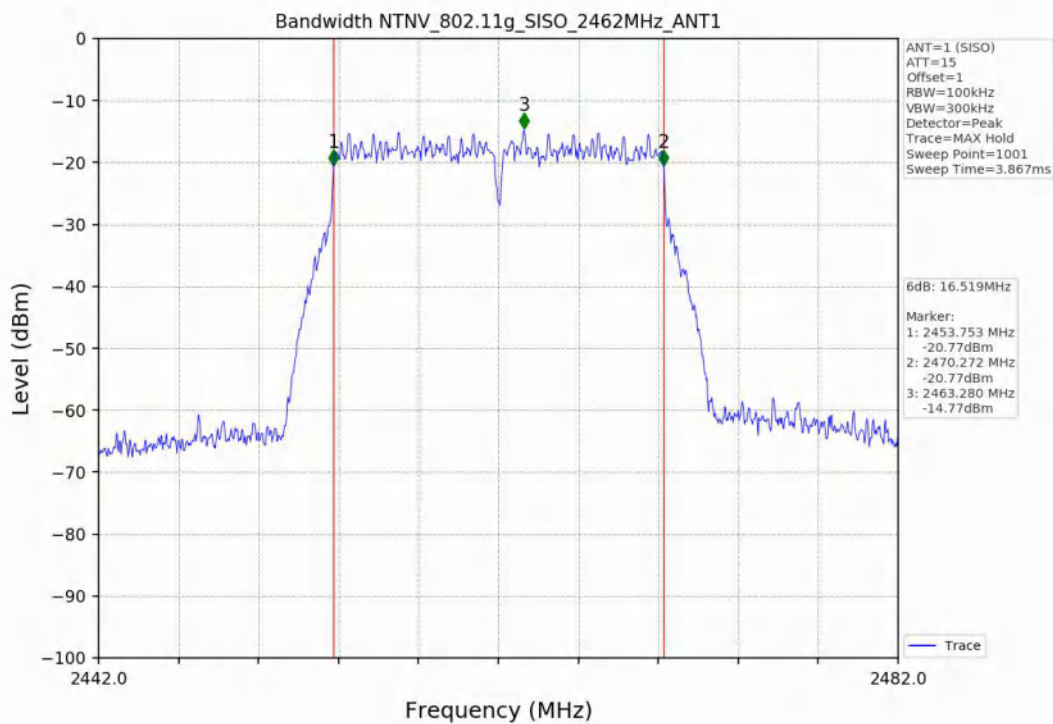
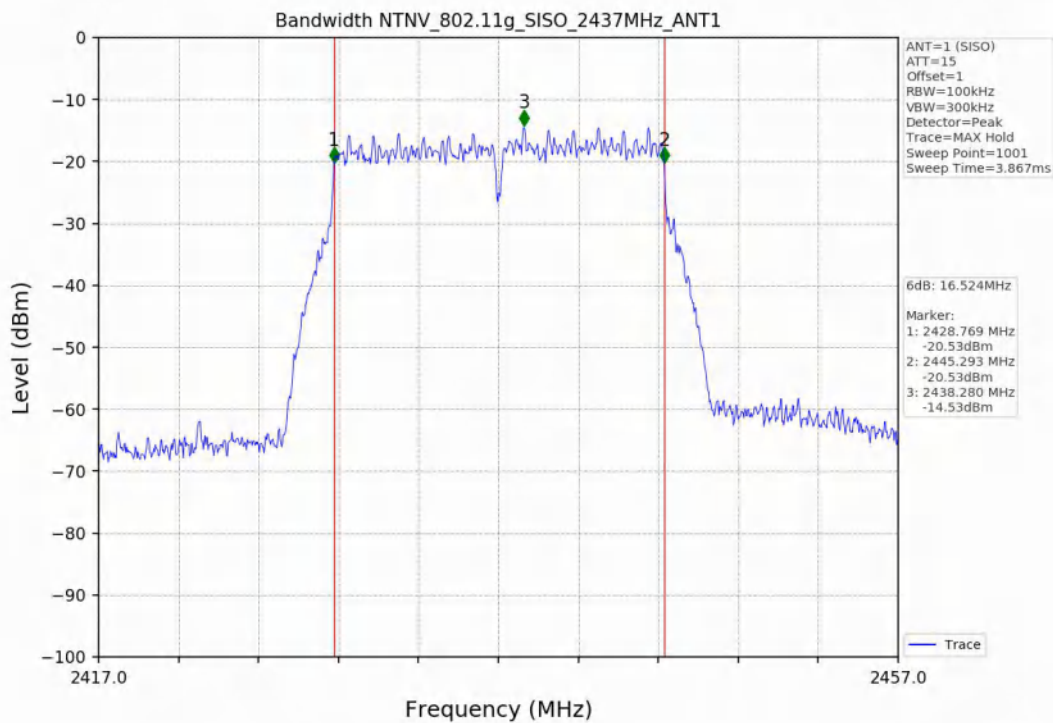
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	10.304	≥0.5	PASS
	2437	SISO	1	9.670	≥0.5	PASS
	2462	SISO	1	10.777	≥0.5	PASS
802.11g	2412	SISO	1	16.508	≥0.5	PASS
	2437	SISO	1	16.524	≥0.5	PASS
	2462	SISO	1	16.519	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.639	≥0.5	PASS
	2437	SISO	1	17.630	≥0.5	PASS
	2462	SISO	1	17.647	≥0.5	PASS
802.11n(HT40)	2422	SISO	1	36.171	≥0.5	PASS
	2437	SISO	1	35.791	≥0.5	PASS
	2452	SISO	1	36.134	≥0.5	PASS

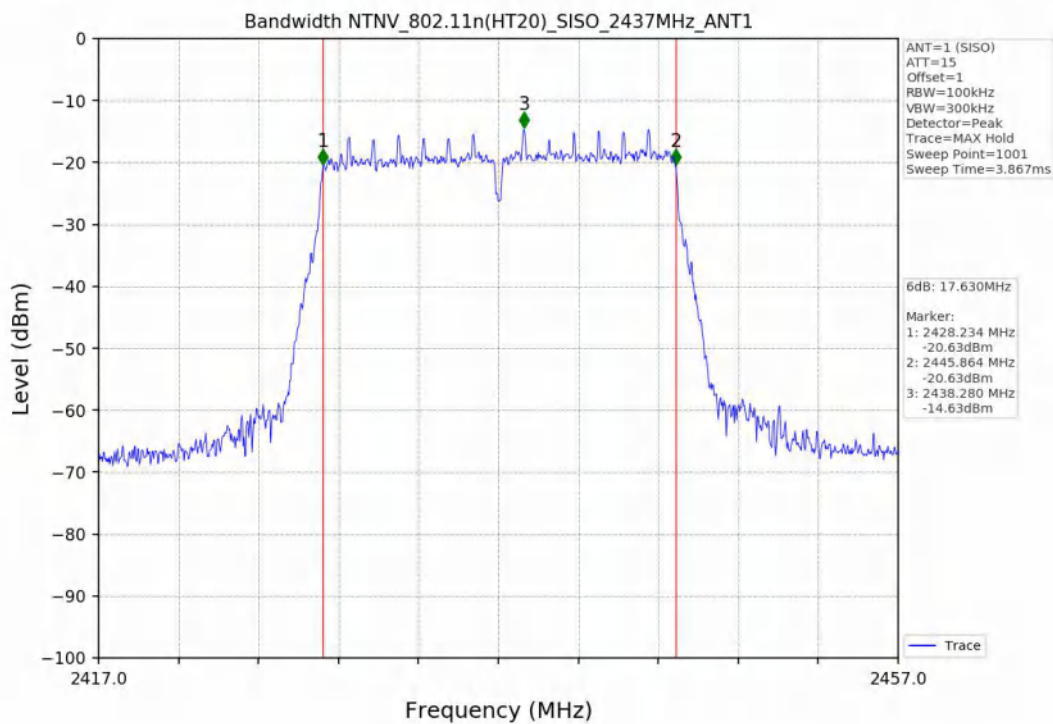
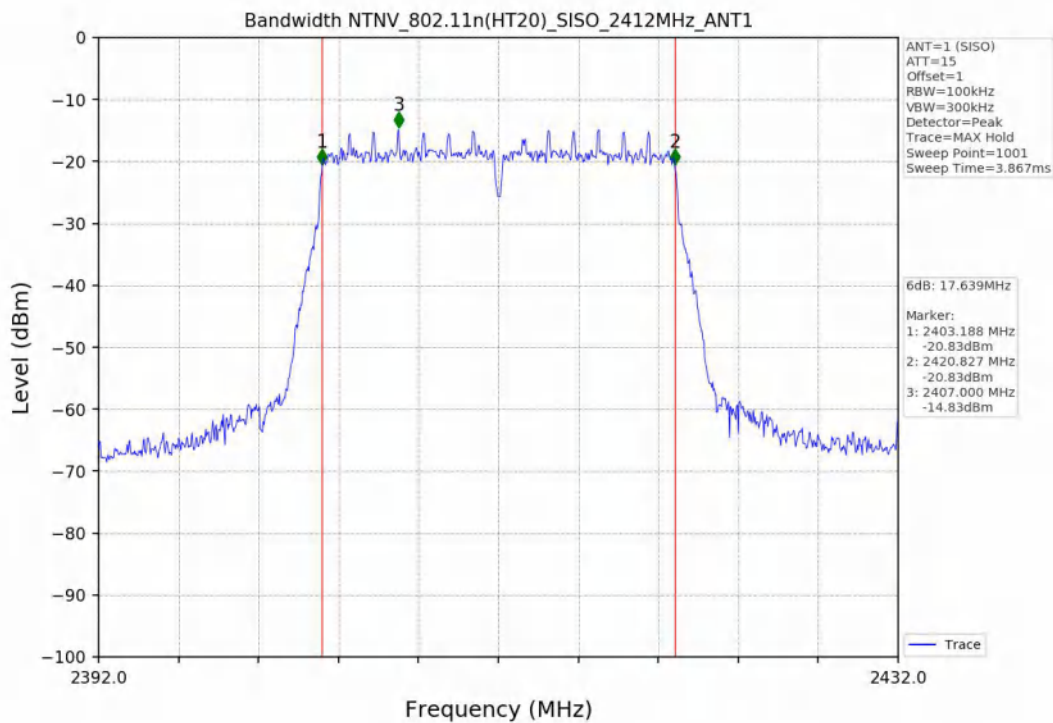
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	14.106	Only for Report Use
	2437	SISO	1	14.151	Only for Report Use
	2462	SISO	1	14.127	Only for Report Use
802.11g	2412	SISO	1	16.723	Only for Report Use
	2437	SISO	1	16.755	Only for Report Use
	2462	SISO	1	16.808	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.850	Only for Report Use
	2437	SISO	1	17.877	Only for Report Use
	2462	SISO	1	17.877	Only for Report Use
802.11n(HT40)	2422	SISO	1	36.739	Only for Report Use
	2437	SISO	1	36.621	Only for Report Use
	2452	SISO	1	36.645	Only for Report Use

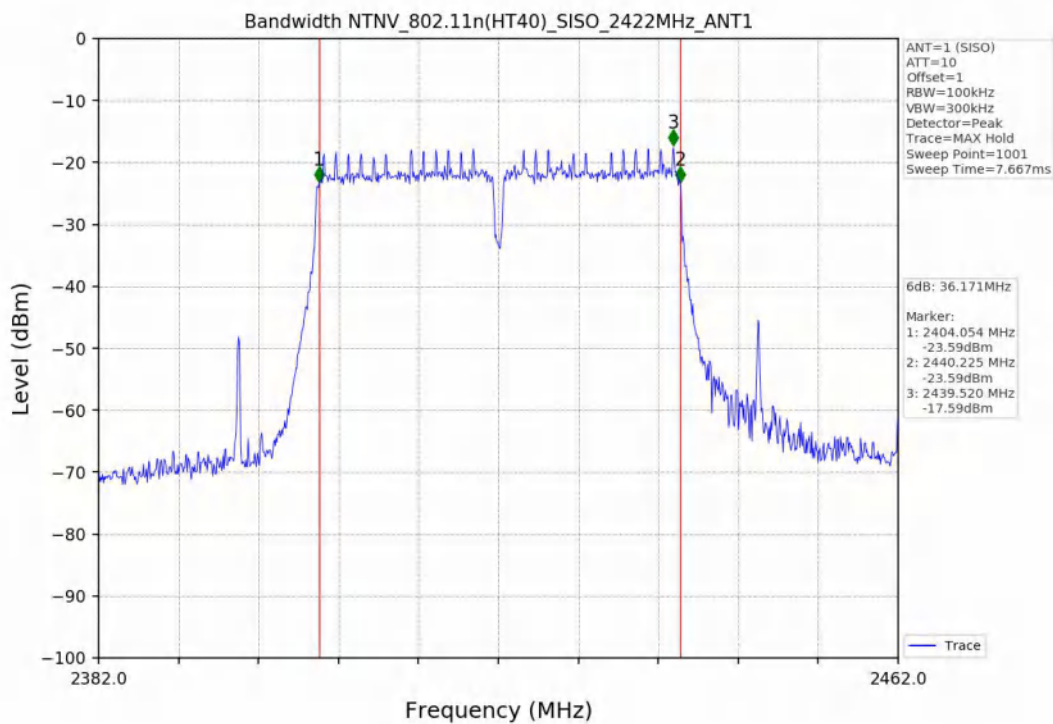
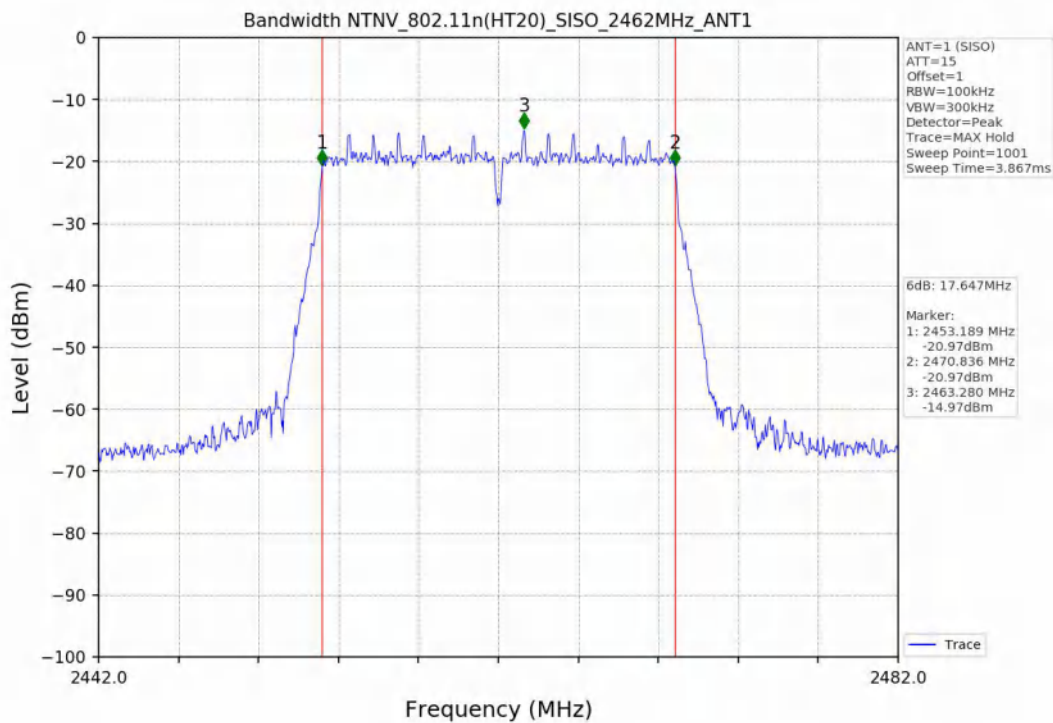
1.2 Test Graph - 6dB Bandwidth

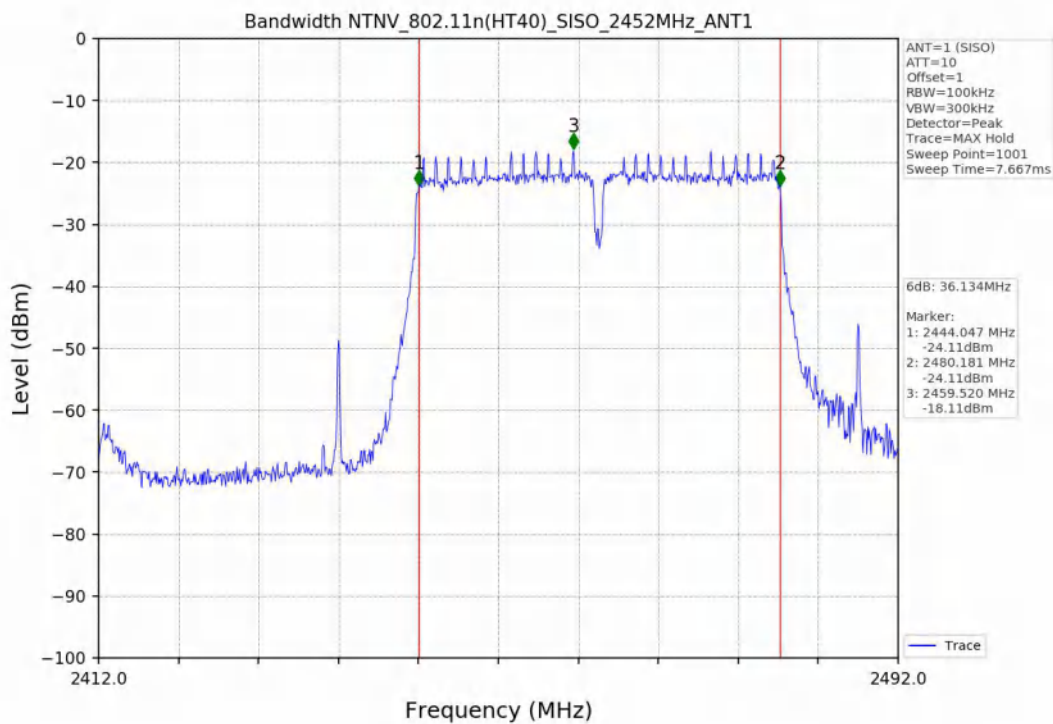
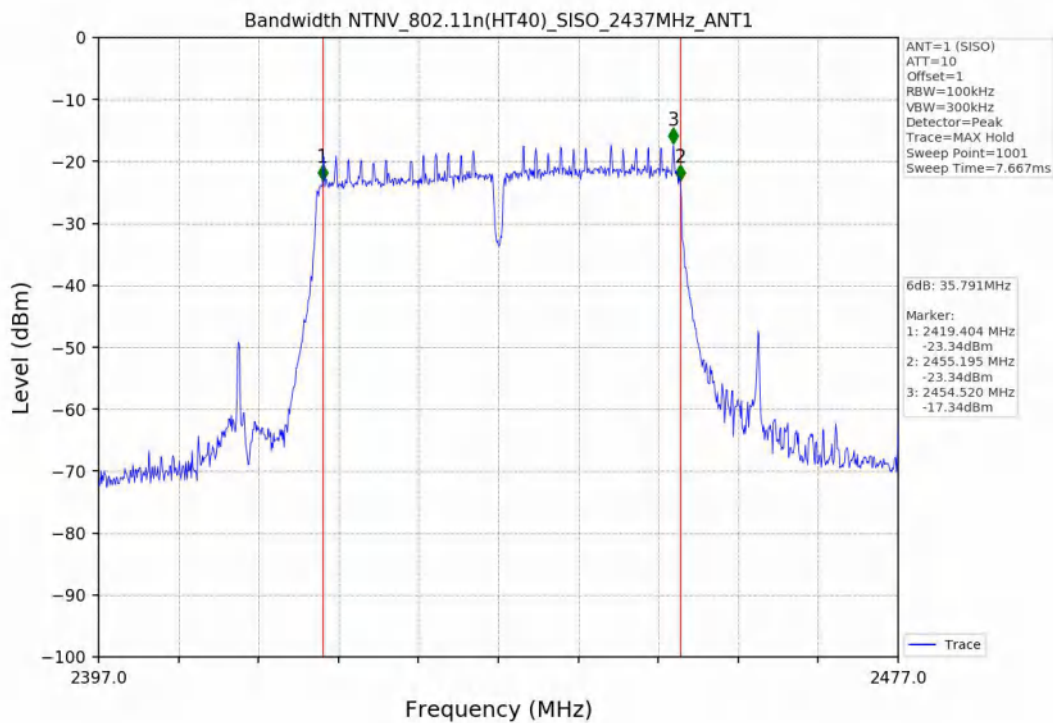




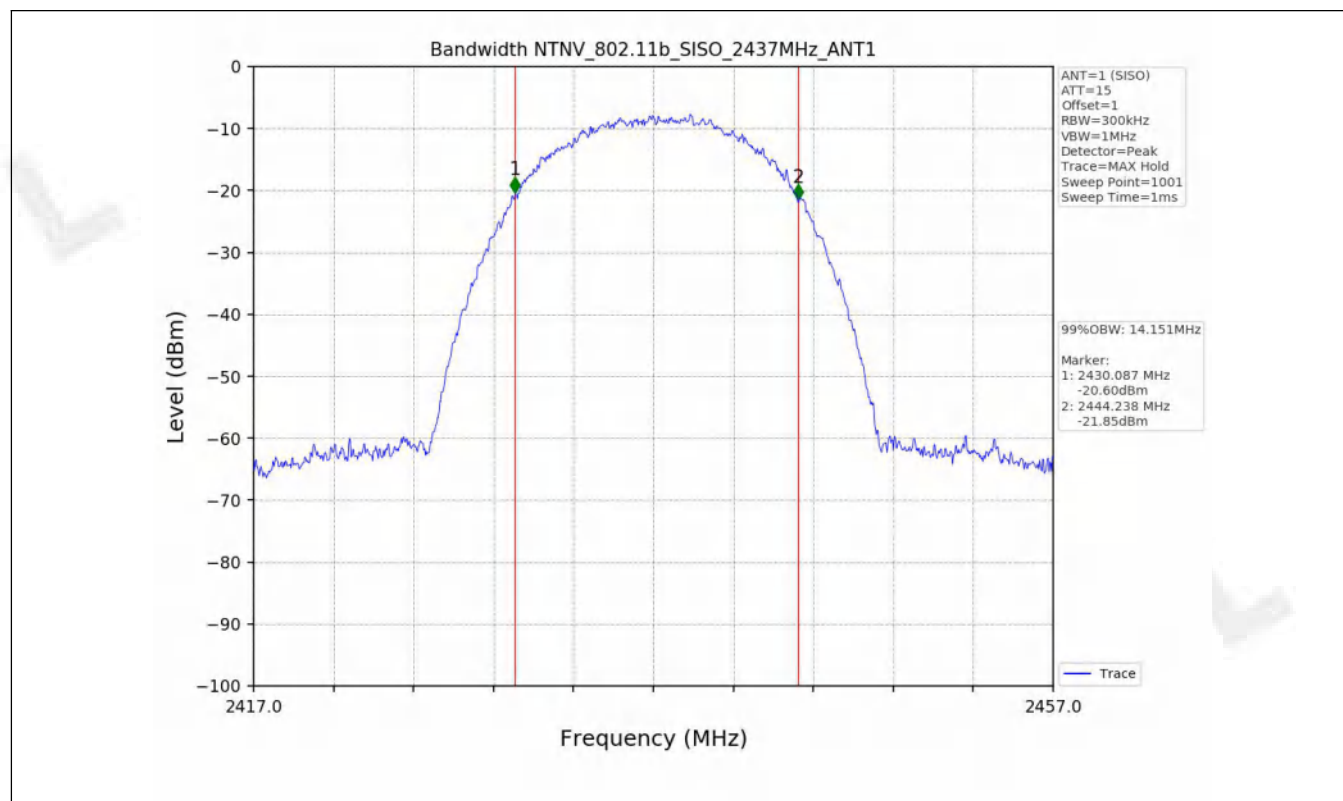
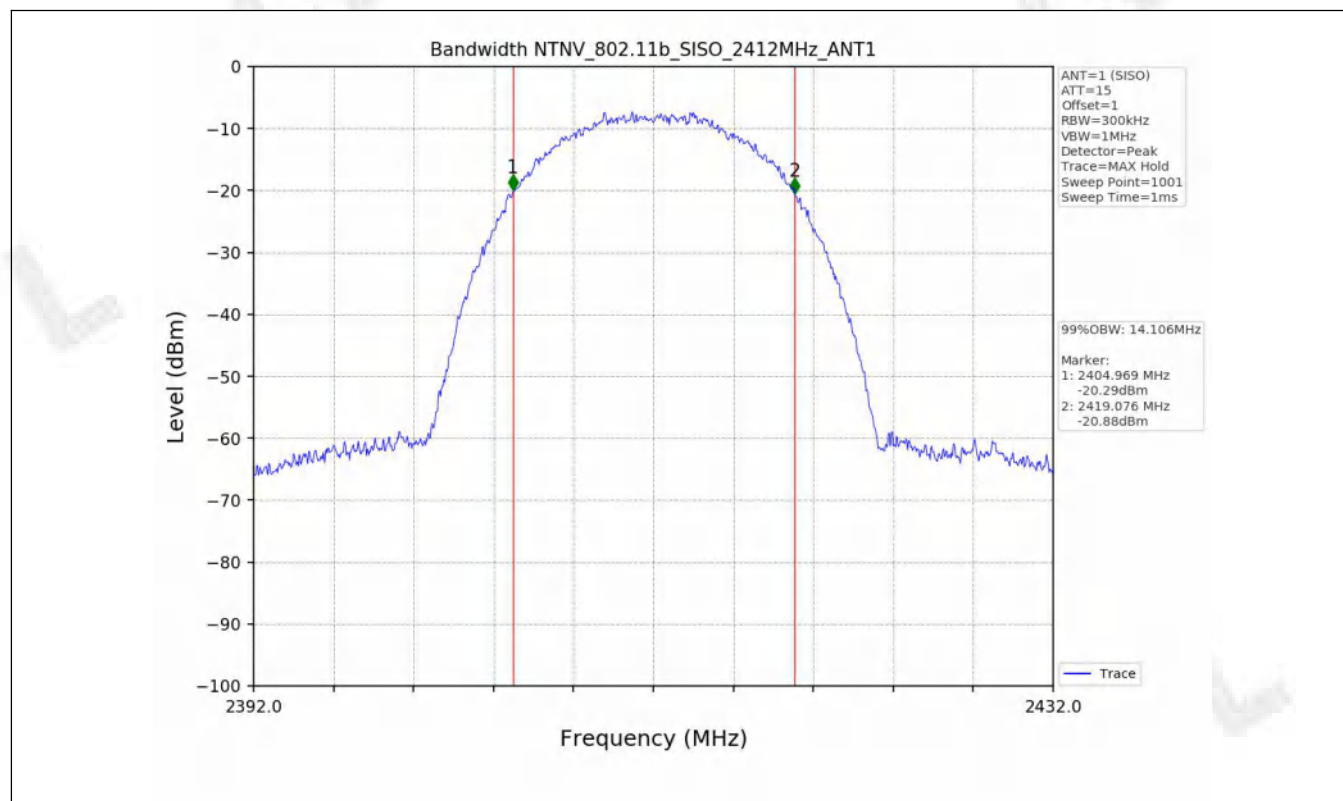


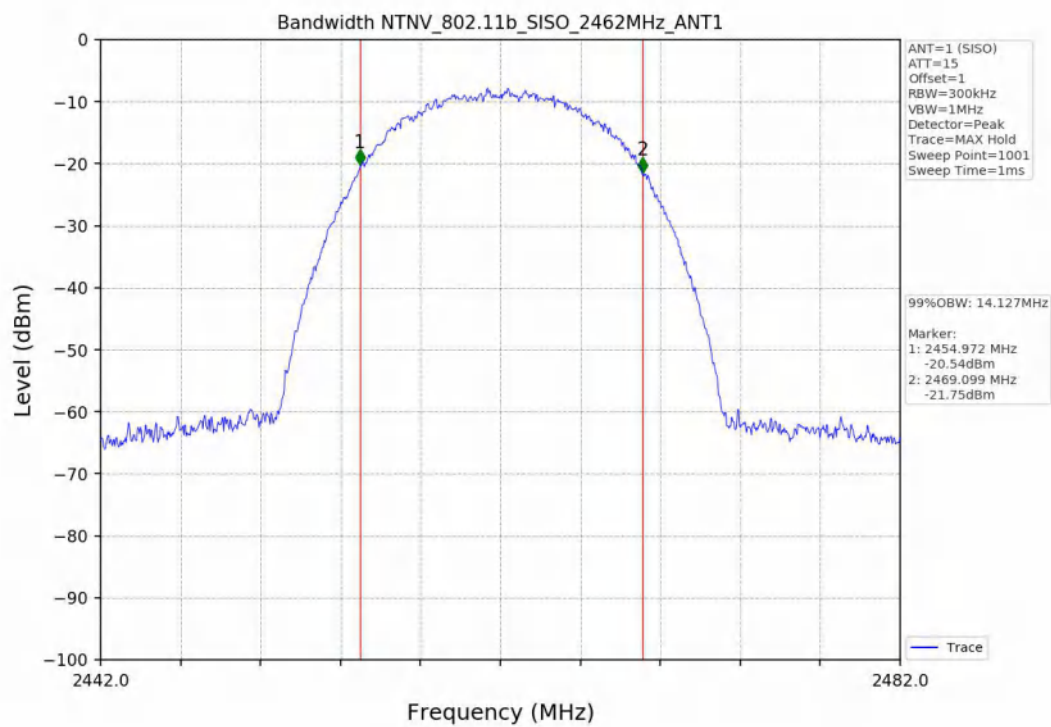


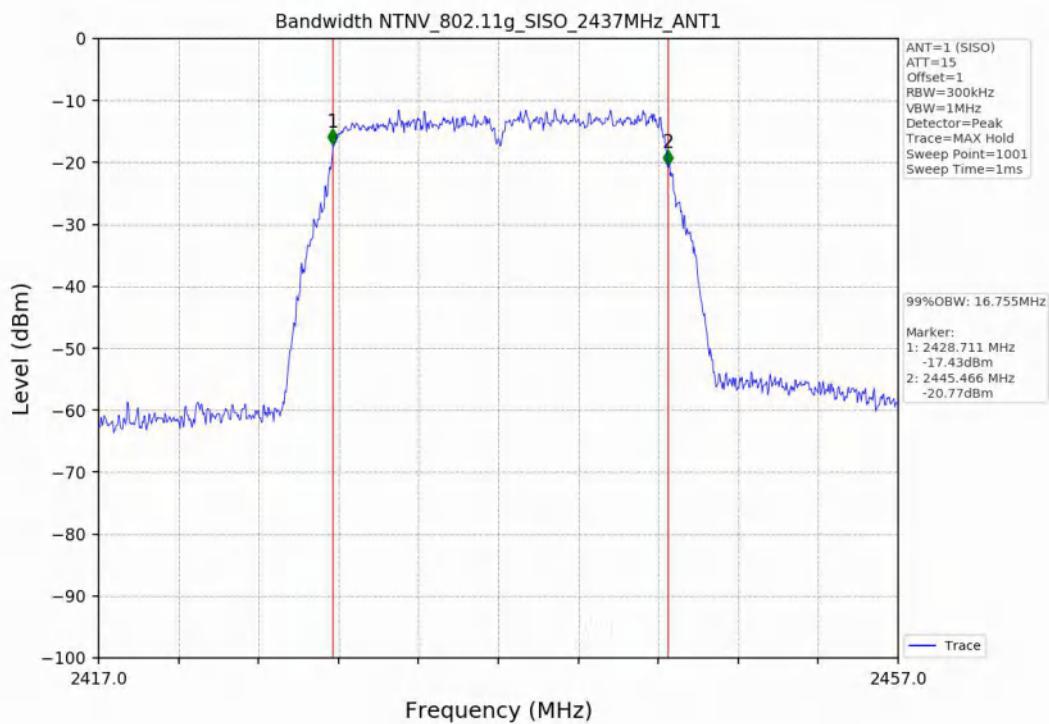
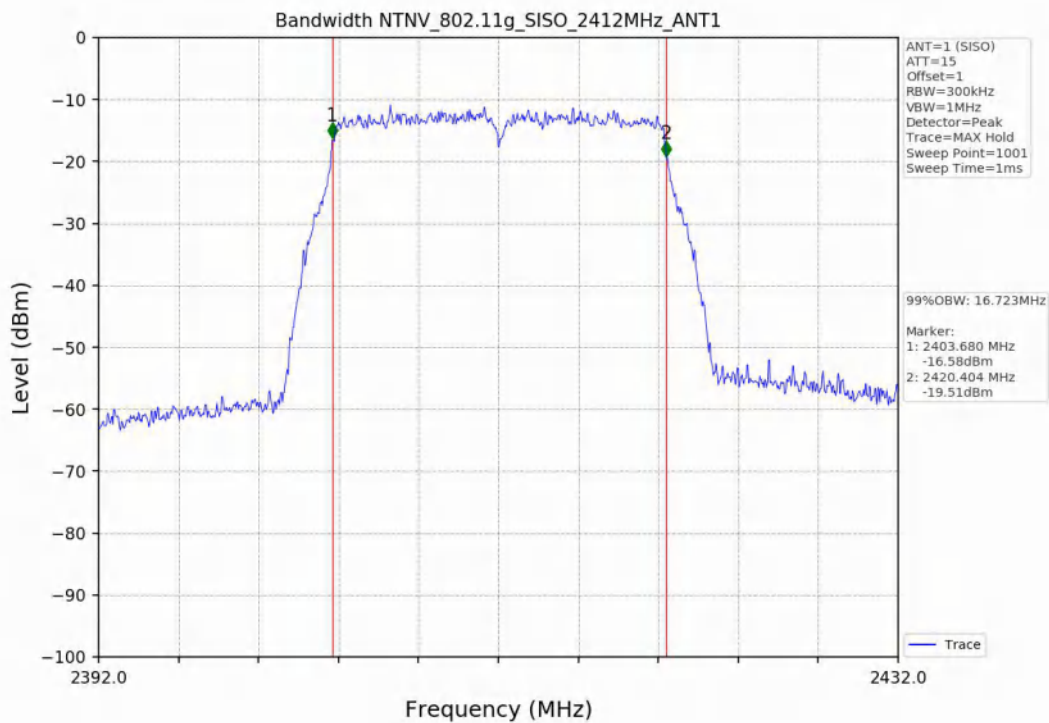


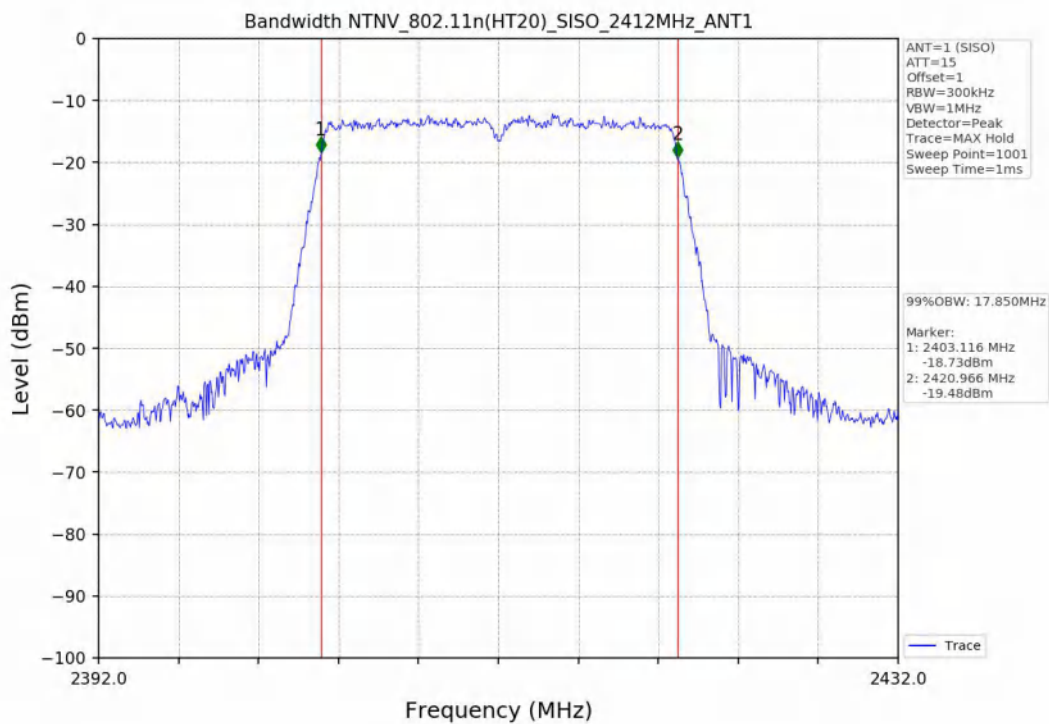
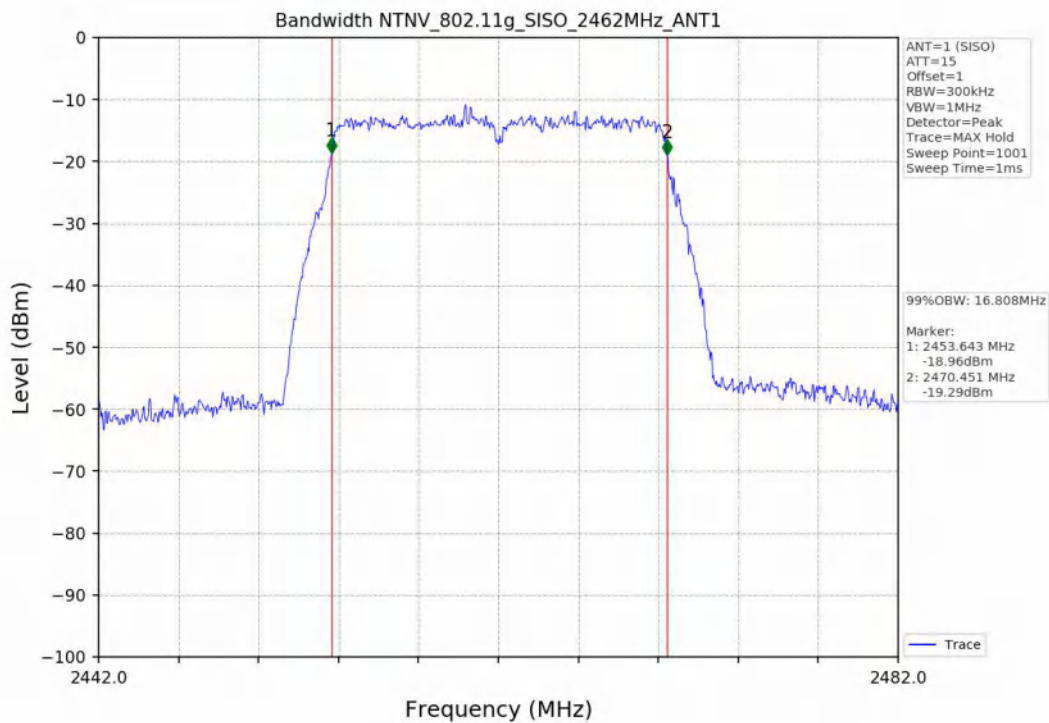


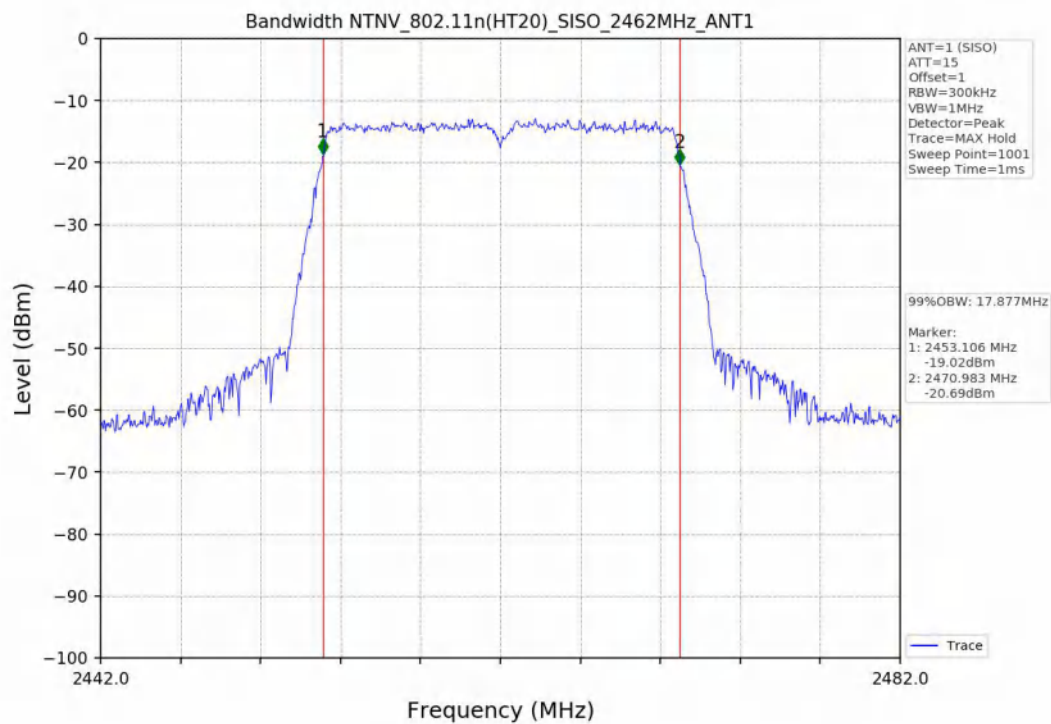
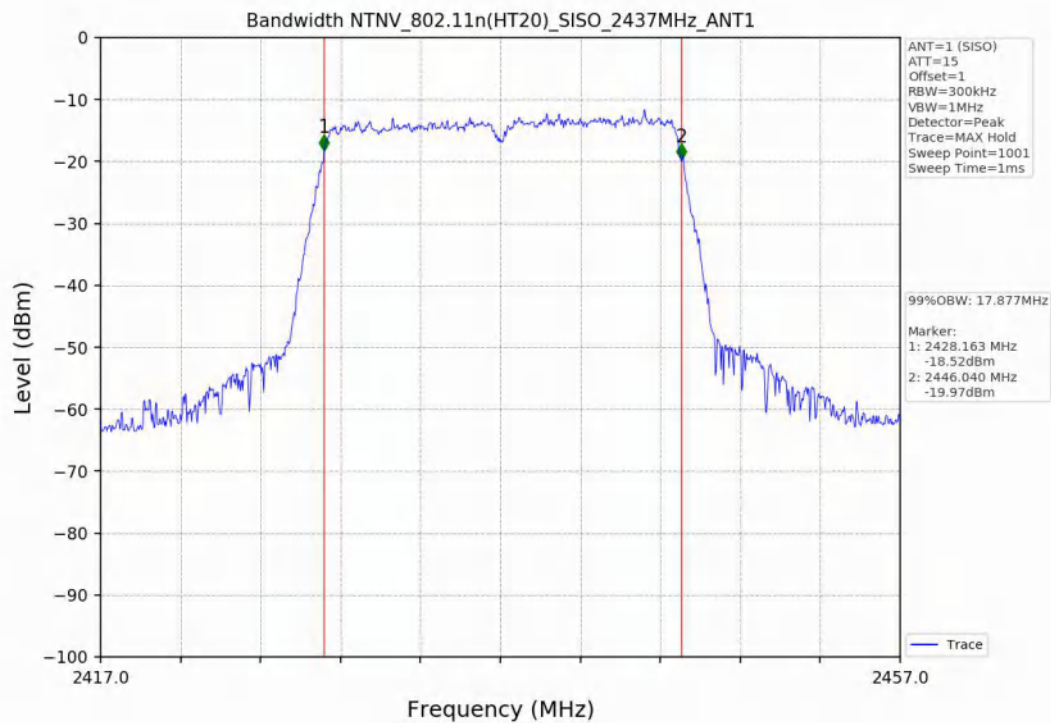
1.3 Test Graph - 99% Occupied Bandwidth

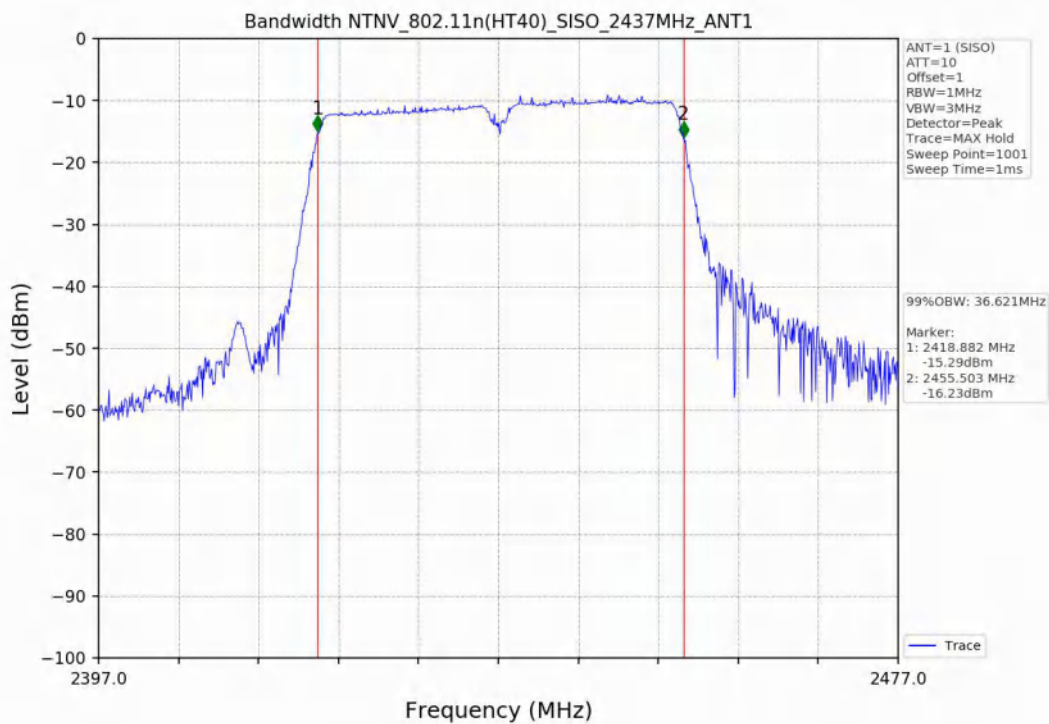
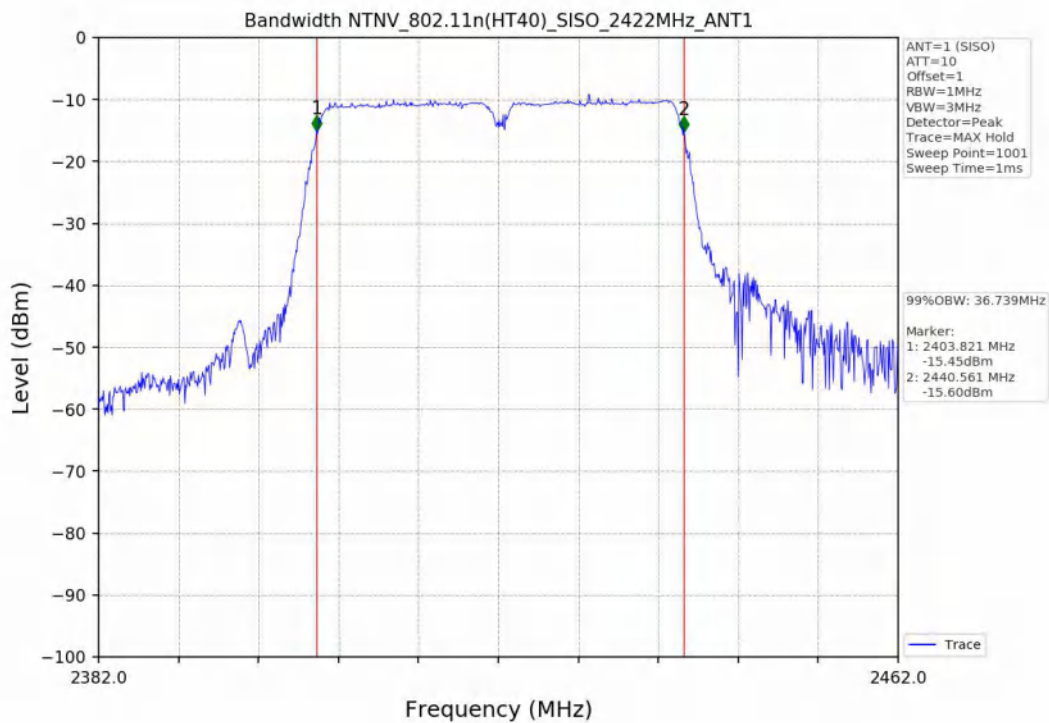


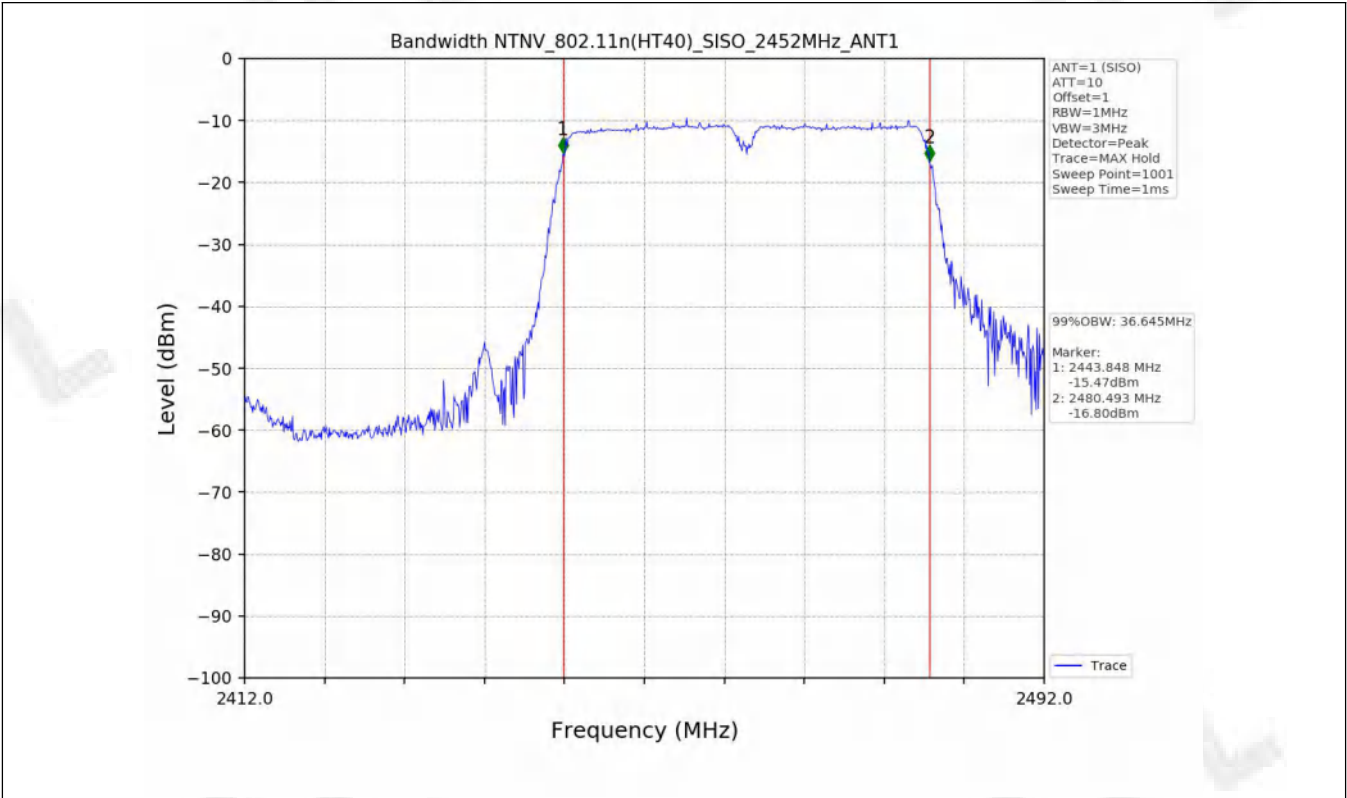










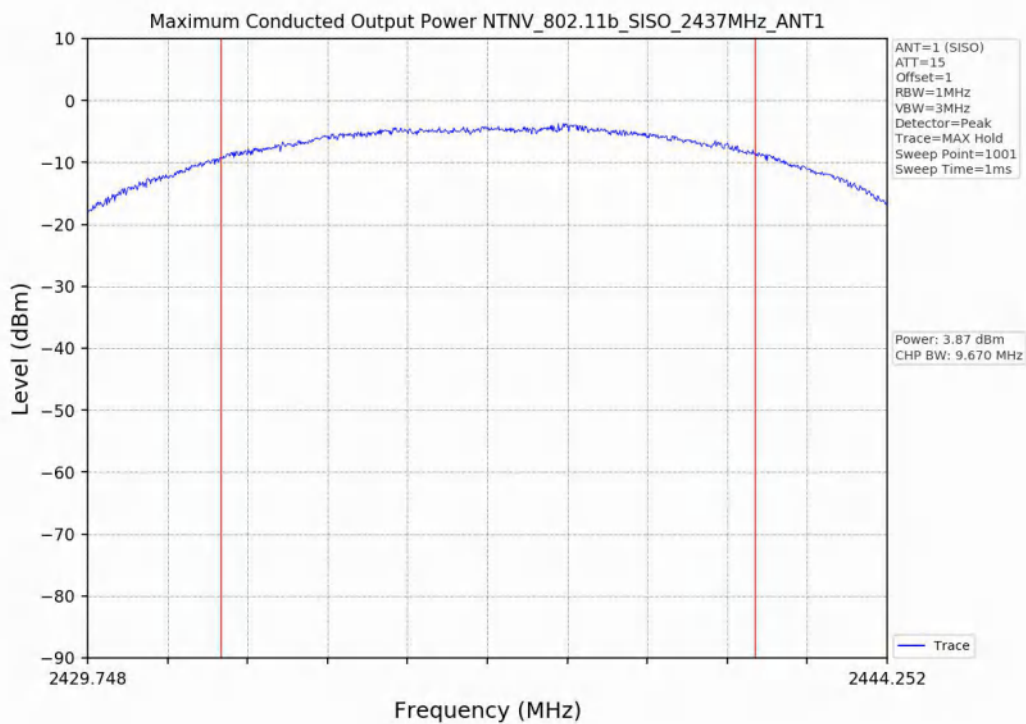
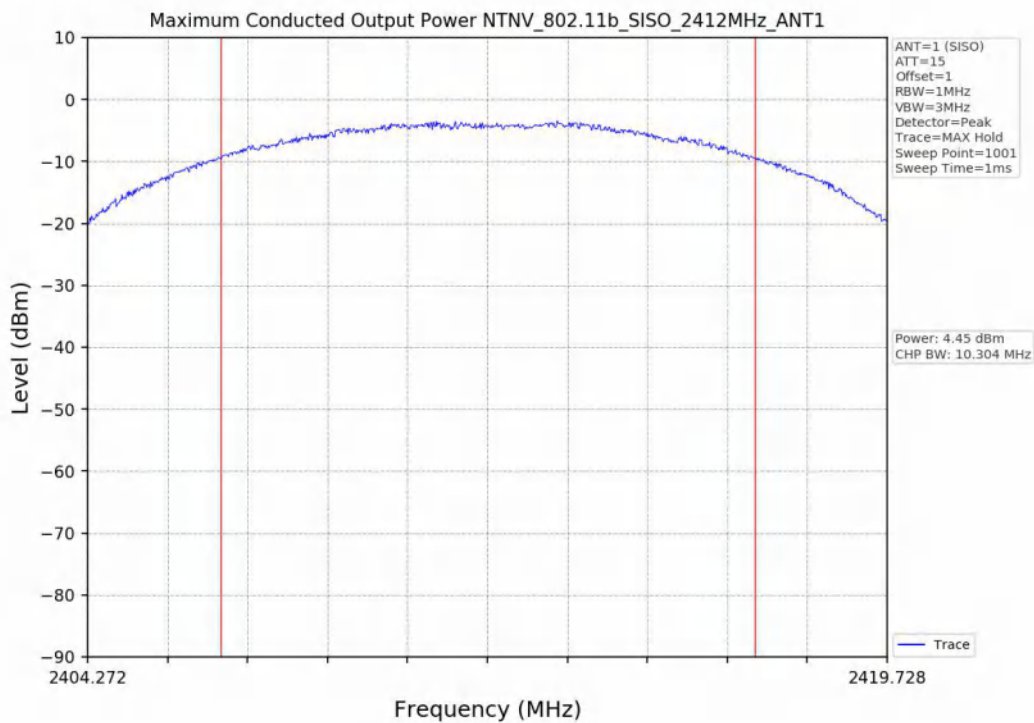


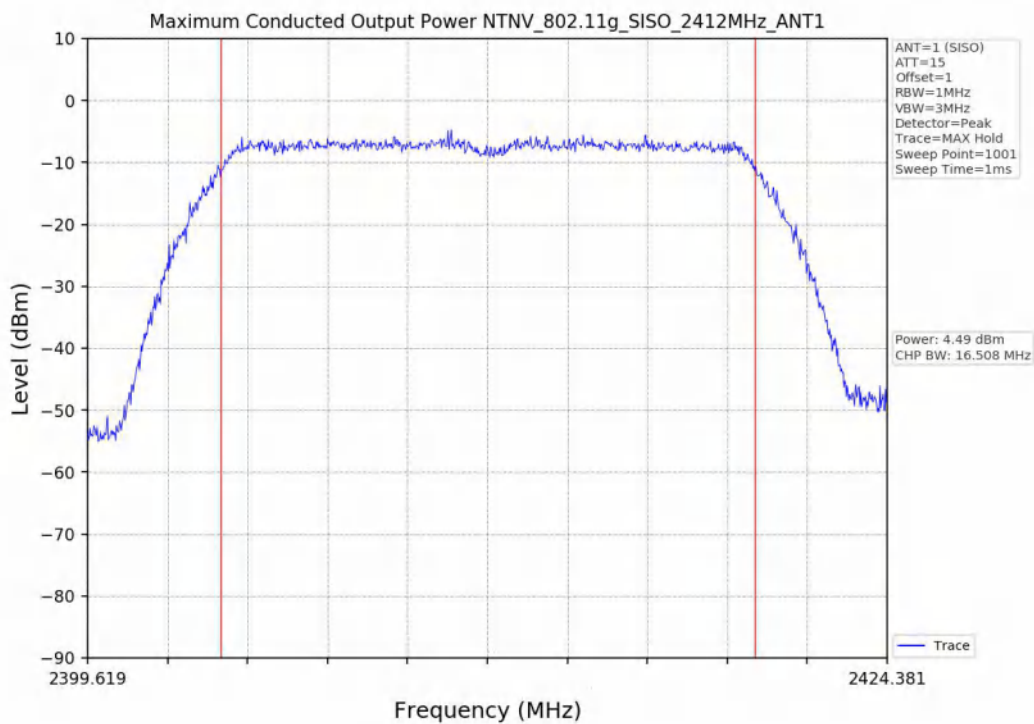
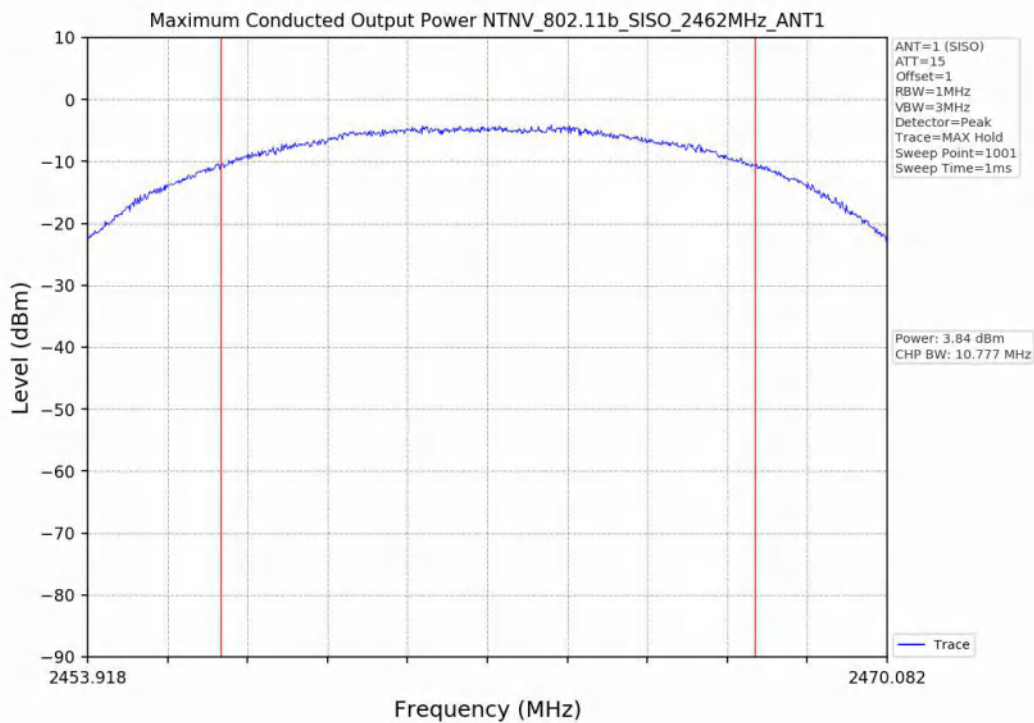
2. Maximum Conducted Output Power

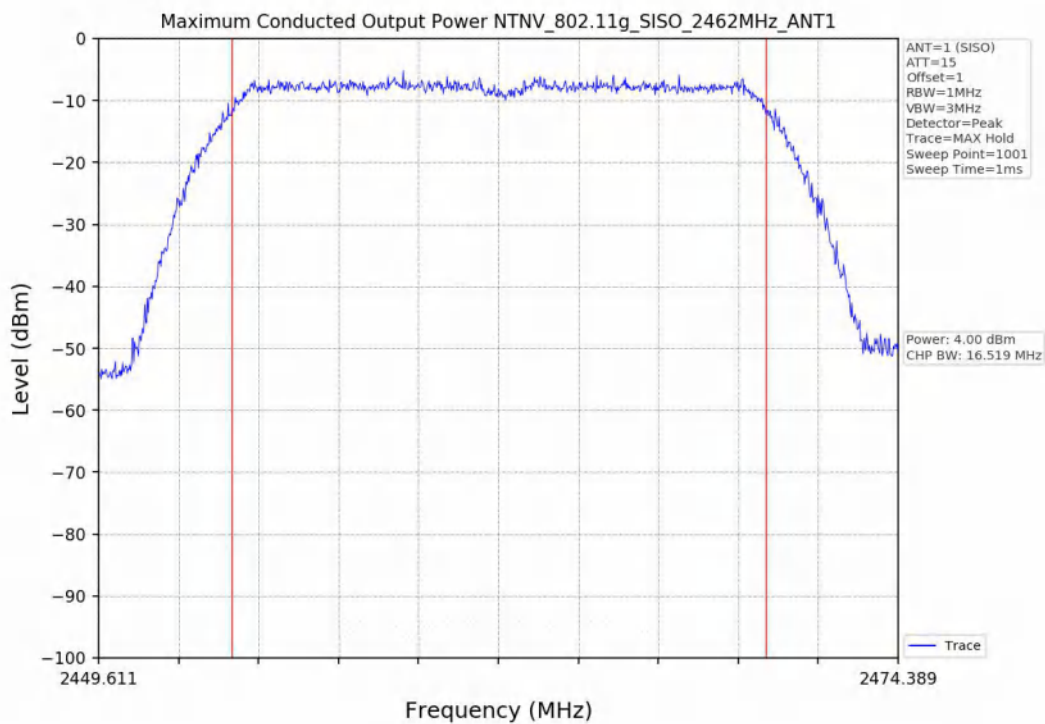
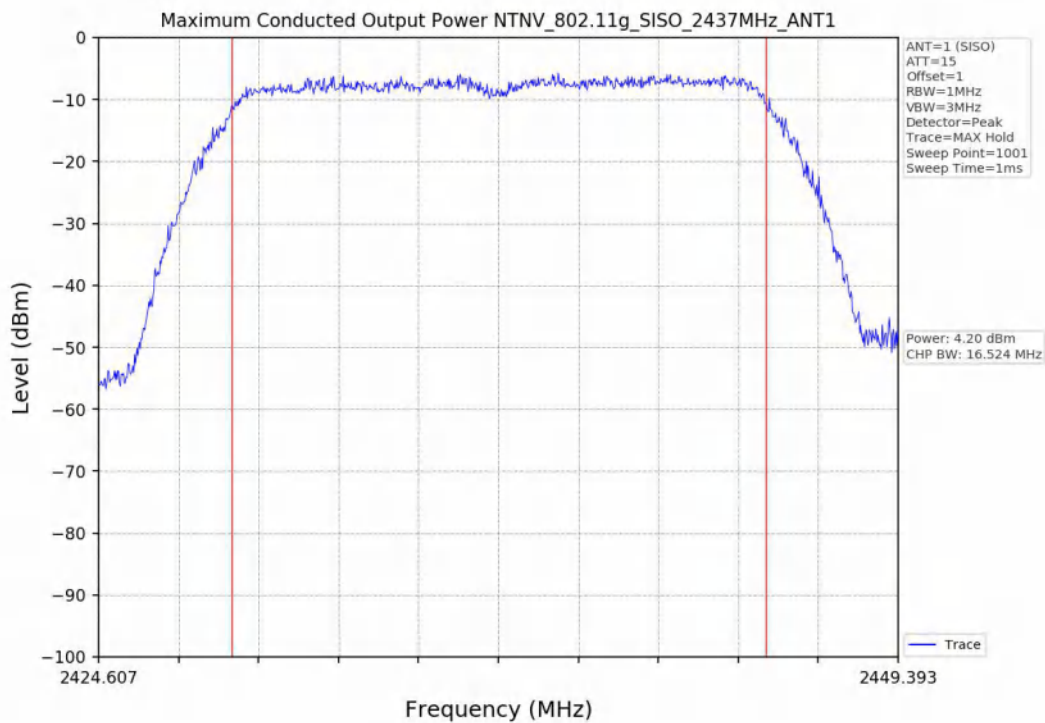
2.1 Test Result

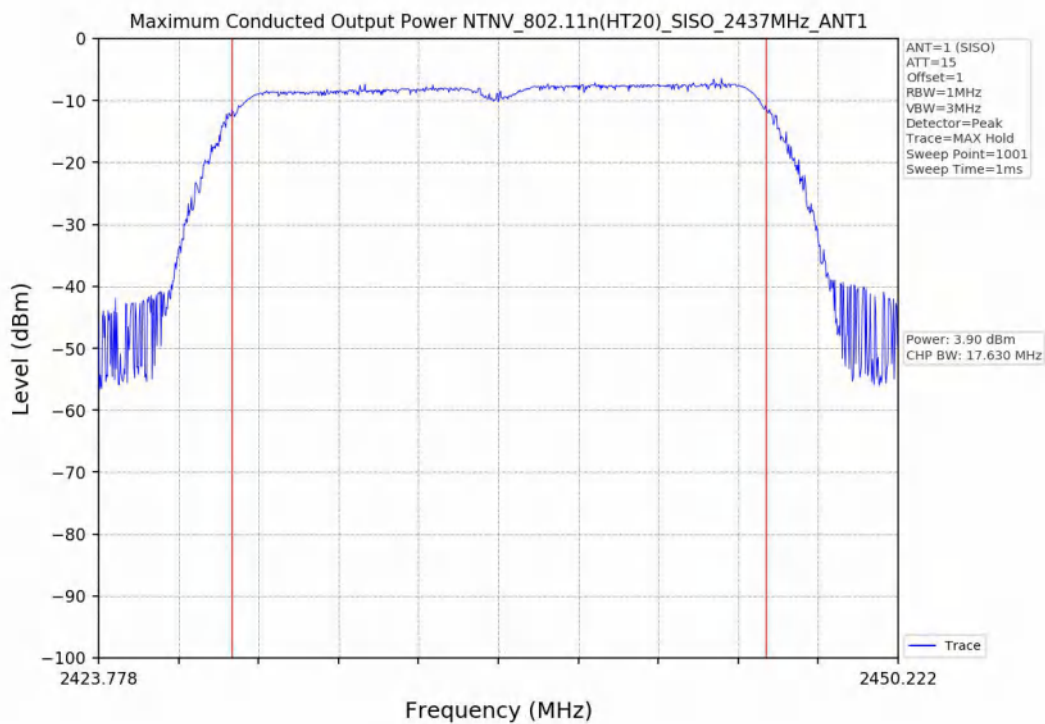
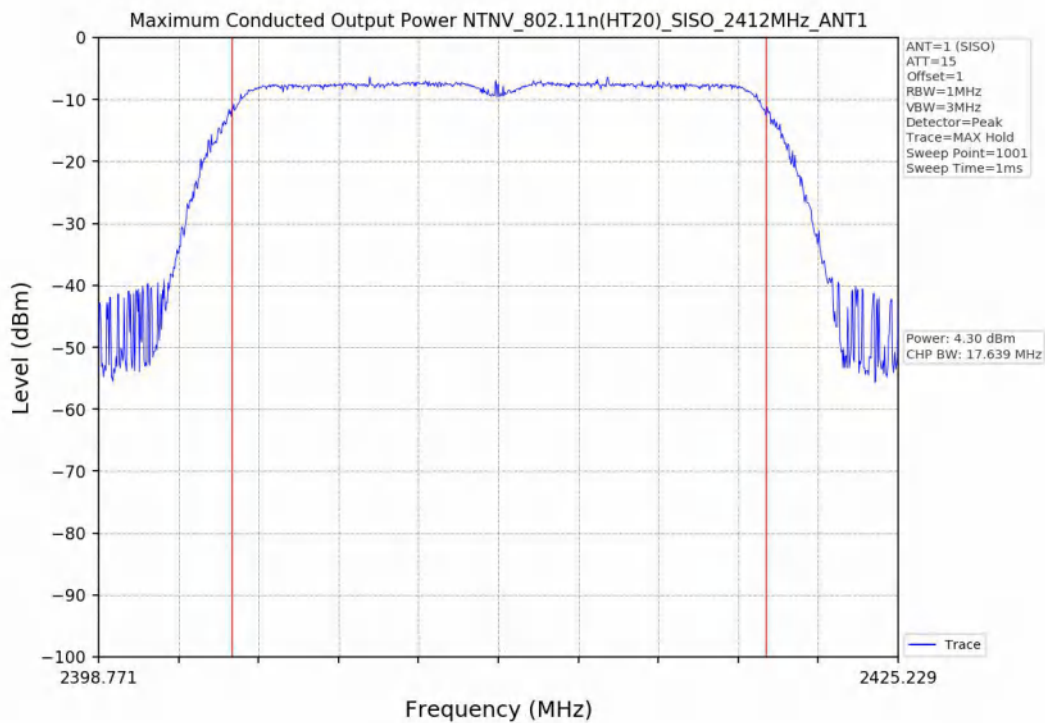
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	4.45	30	PASS
	2437	SISO	3.87	30	PASS
	2462	SISO	3.84	30	PASS
802.11g	2412	SISO	4.49	30	PASS
	2437	SISO	4.20	30	PASS
	2462	SISO	4.00	30	PASS
802.11n(HT20)	2412	SISO	4.30	30	PASS
	2437	SISO	3.90	30	PASS
	2462	SISO	3.77	30	PASS
802.11n(HT40)	2422	SISO	4.14	30	PASS
	2437	SISO	3.94	30	PASS
	2452	SISO	2.29	30	PASS

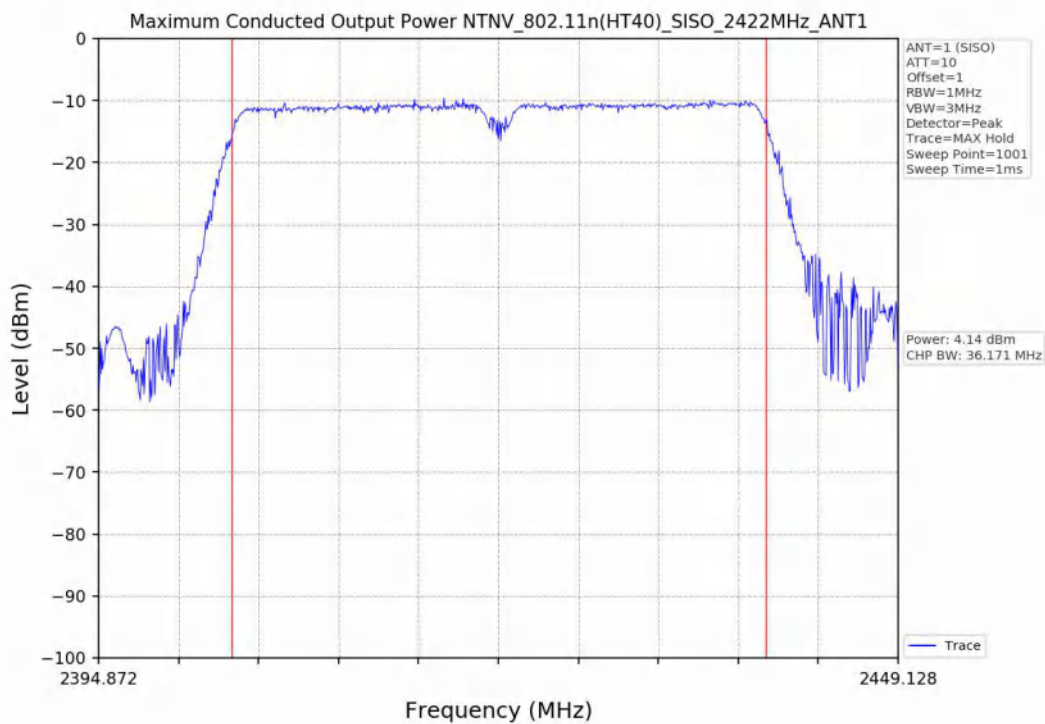
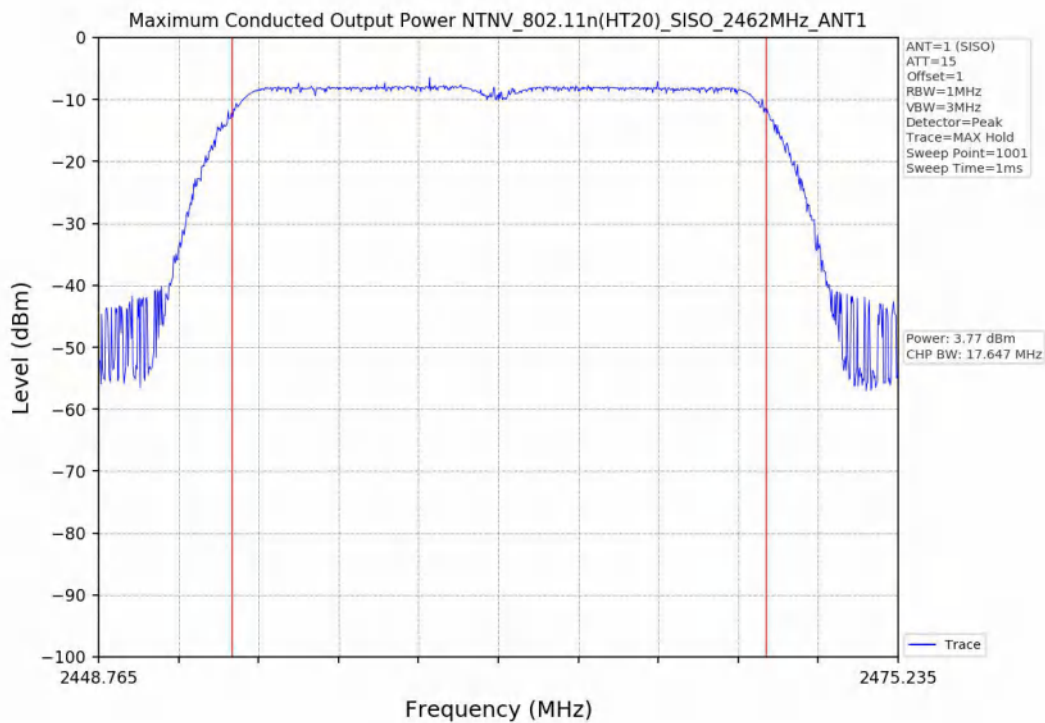
2.2 Test Graph

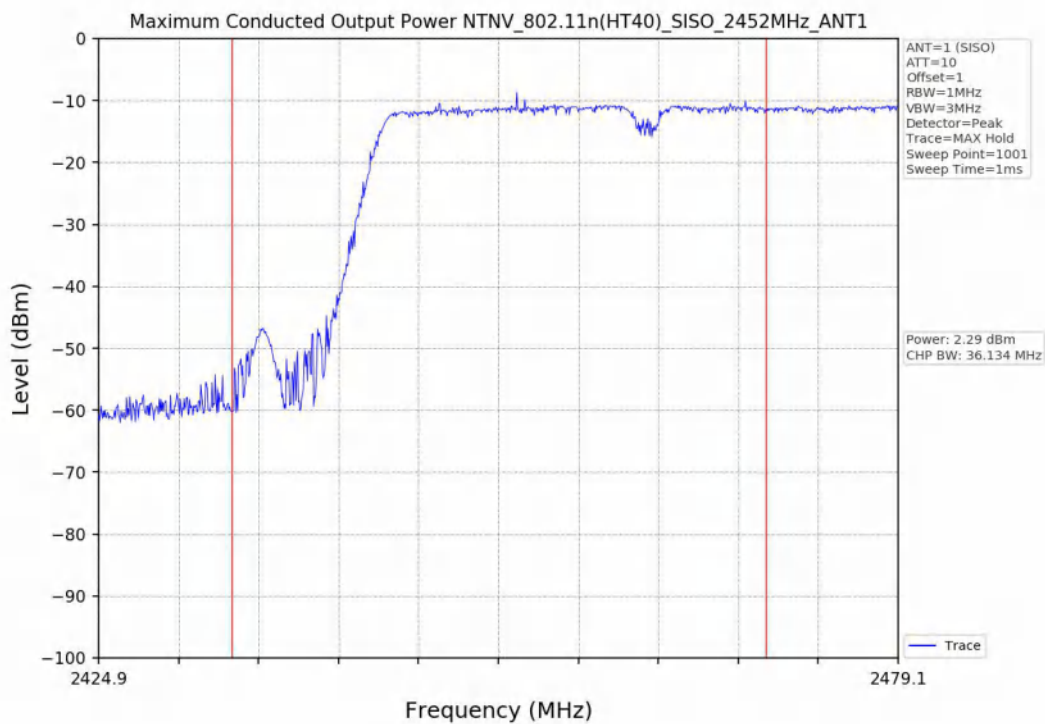
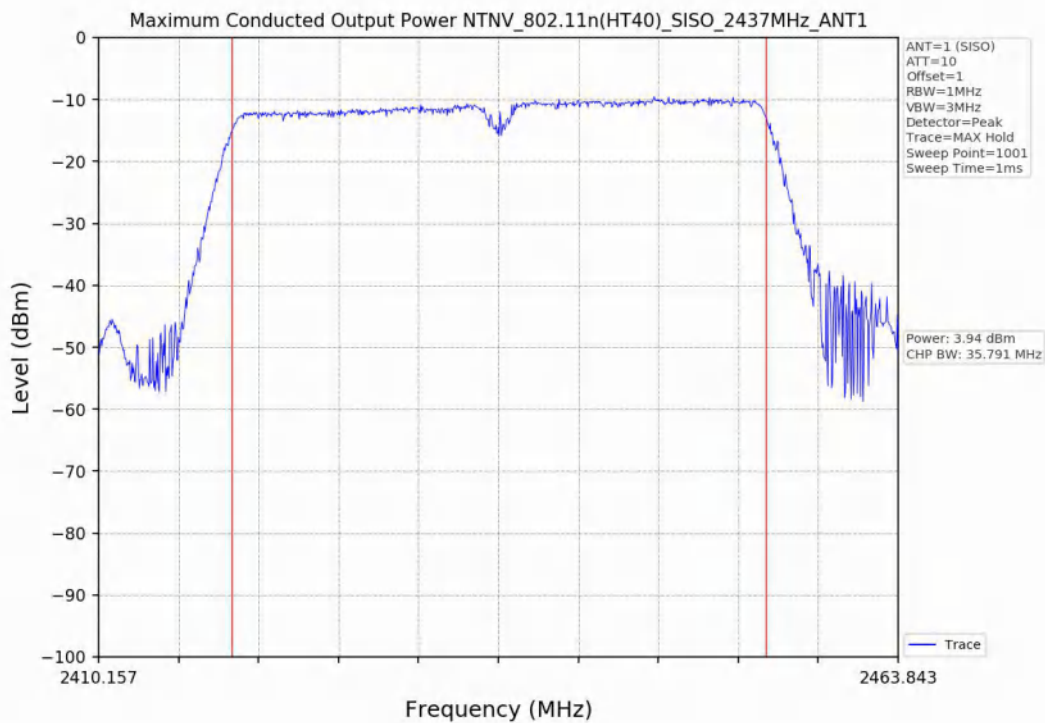










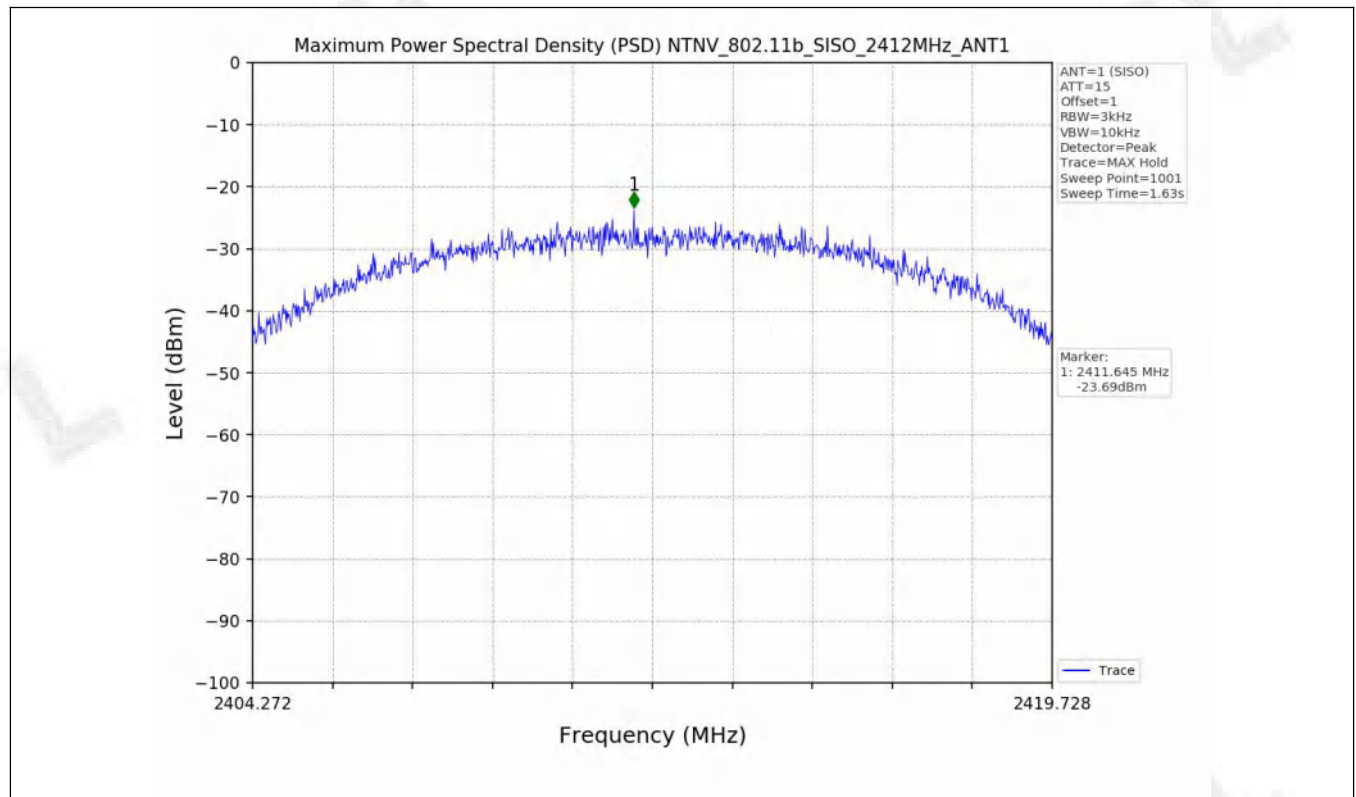


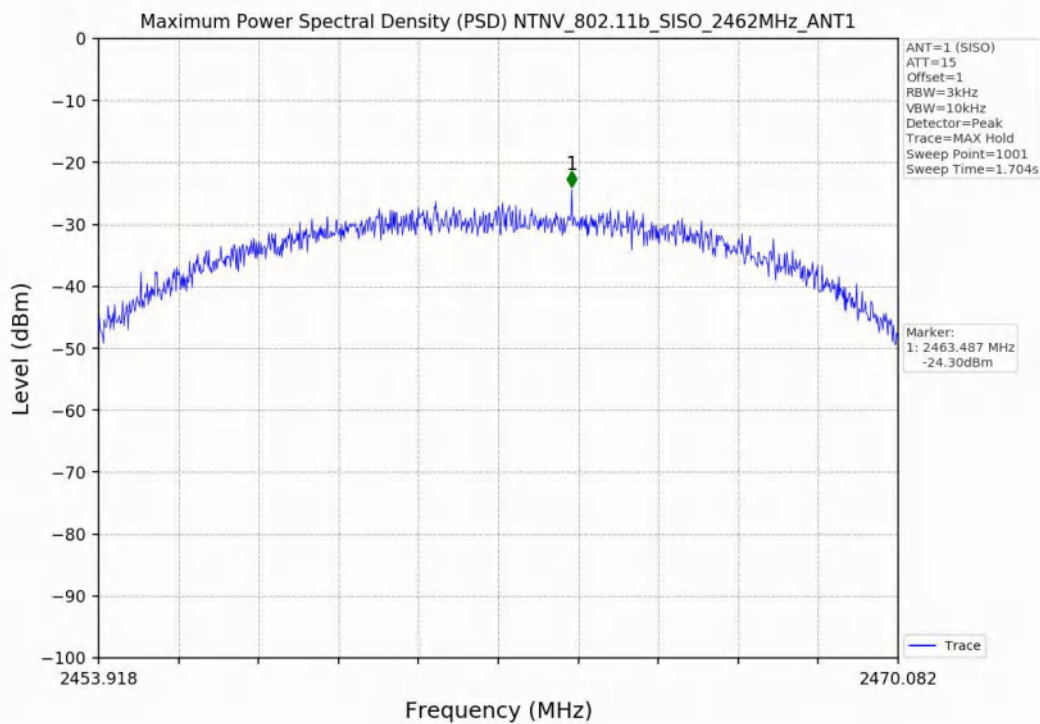
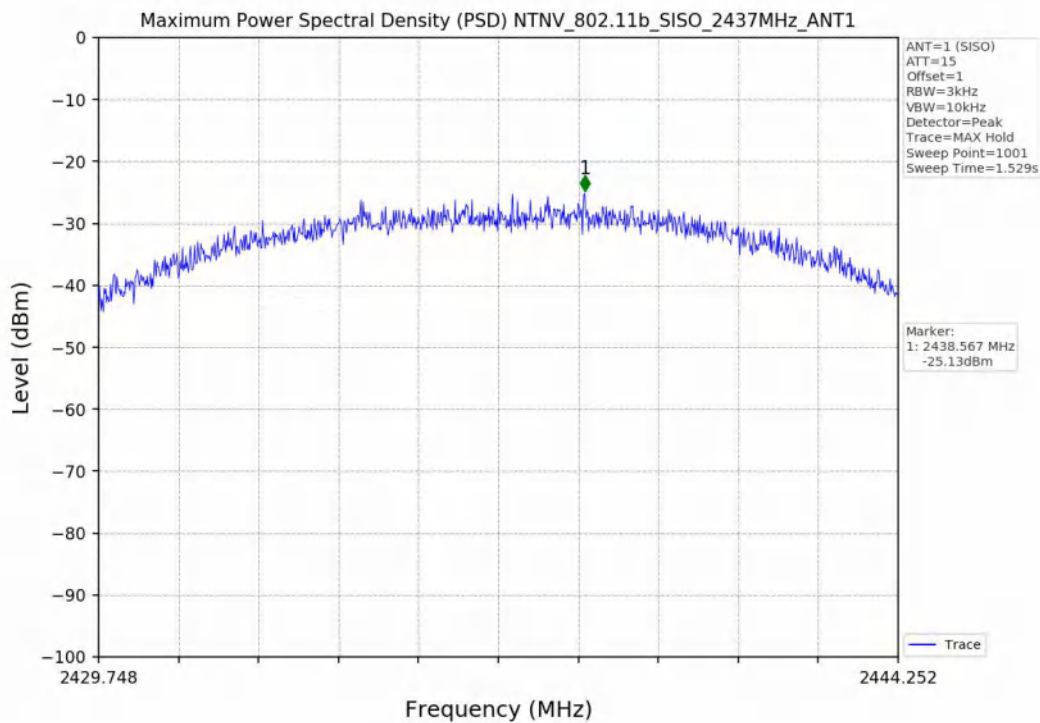
3. Maximum Power Spectral Density (PSD)

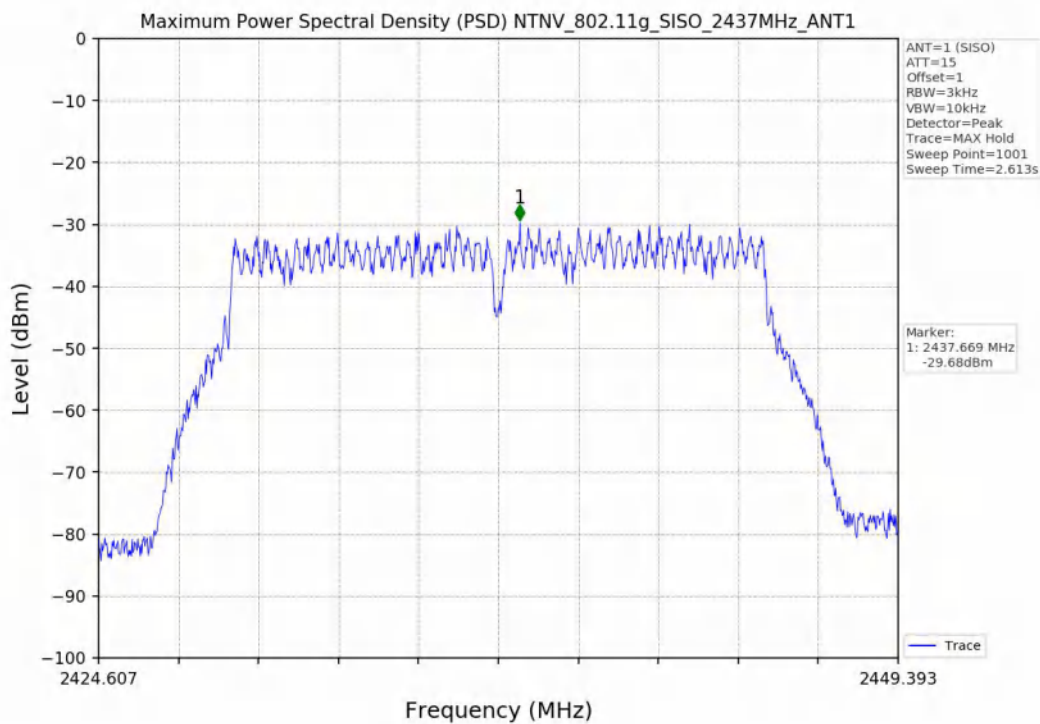
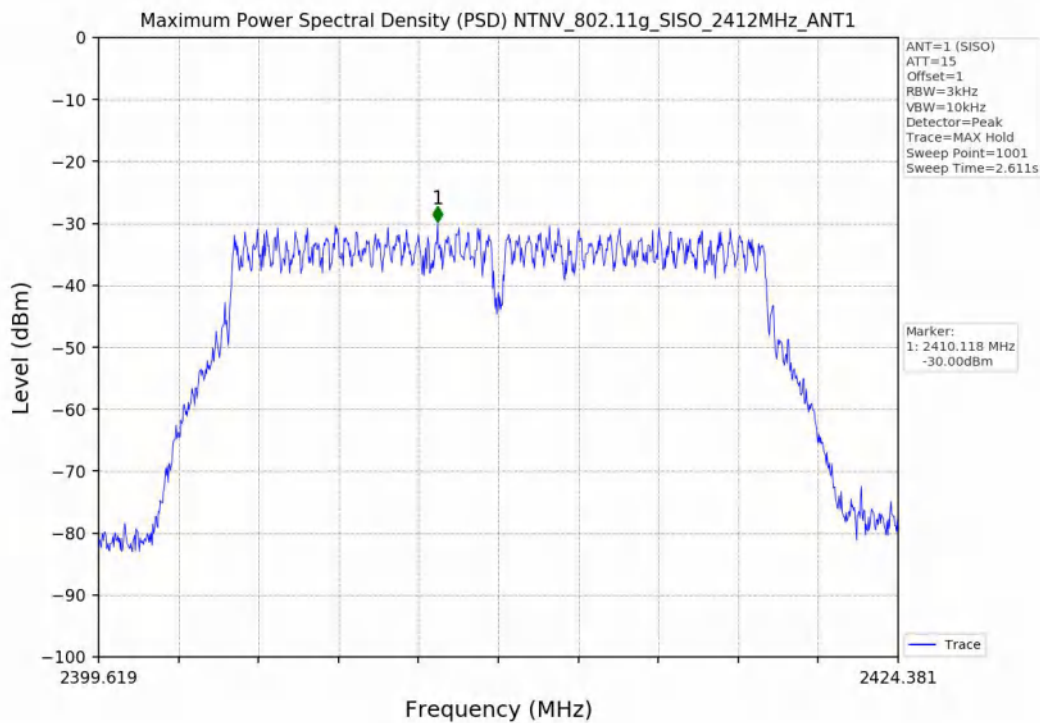
3.1 Test Result

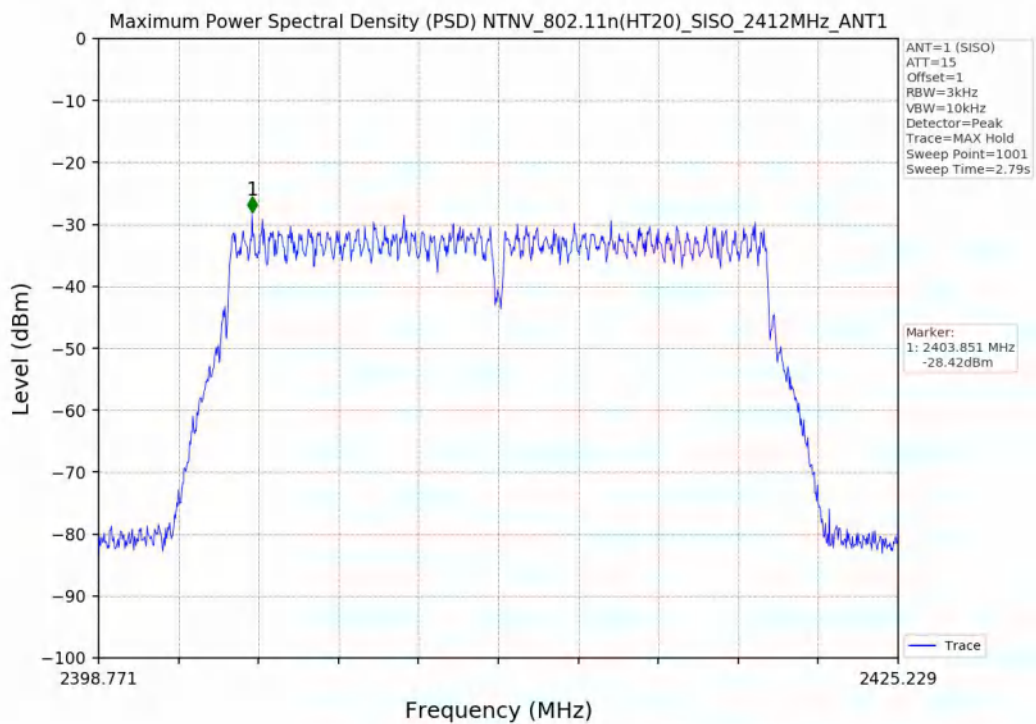
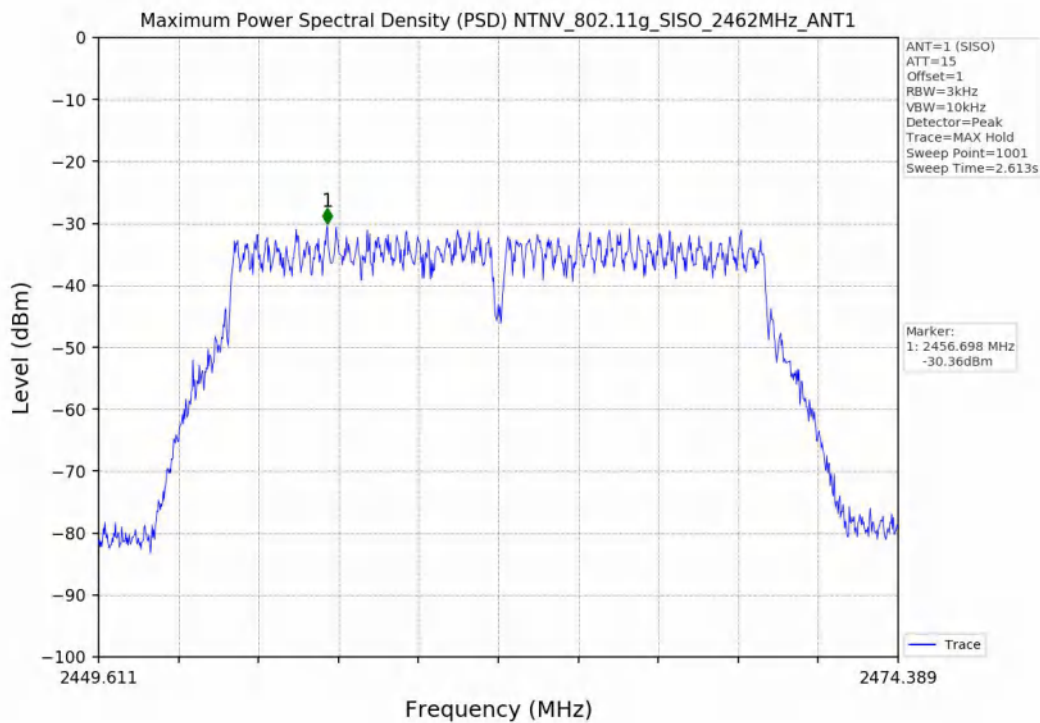
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-23.69	≤8	PASS
	2437	SISO	-25.13	≤8	PASS
	2462	SISO	-24.30	≤8	PASS
802.11g	2412	SISO	-30.00	≤8	PASS
	2437	SISO	-29.68	≤8	PASS
	2462	SISO	-30.36	≤8	PASS
802.11n(HT20)	2412	SISO	-28.42	≤8	PASS
	2437	SISO	-28.76	≤8	PASS
	2462	SISO	-29.40	≤8	PASS
802.11n(HT40)	2422	SISO	-32.15	≤8	PASS
	2437	SISO	-31.75	≤8	PASS
	2452	SISO	-32.02	≤8	PASS

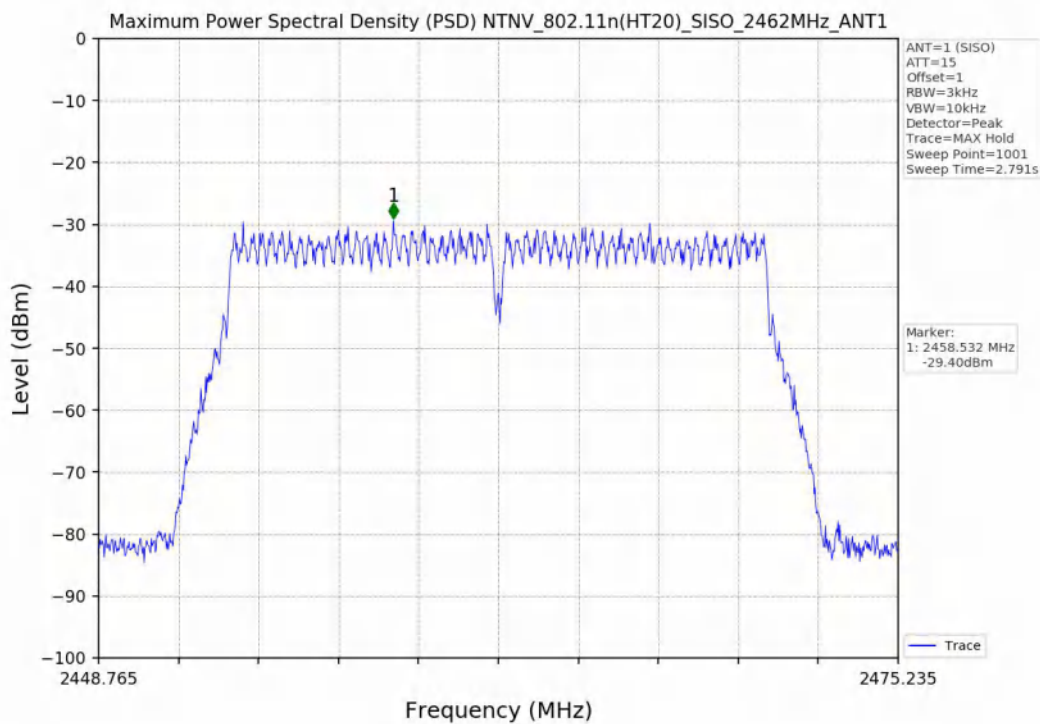
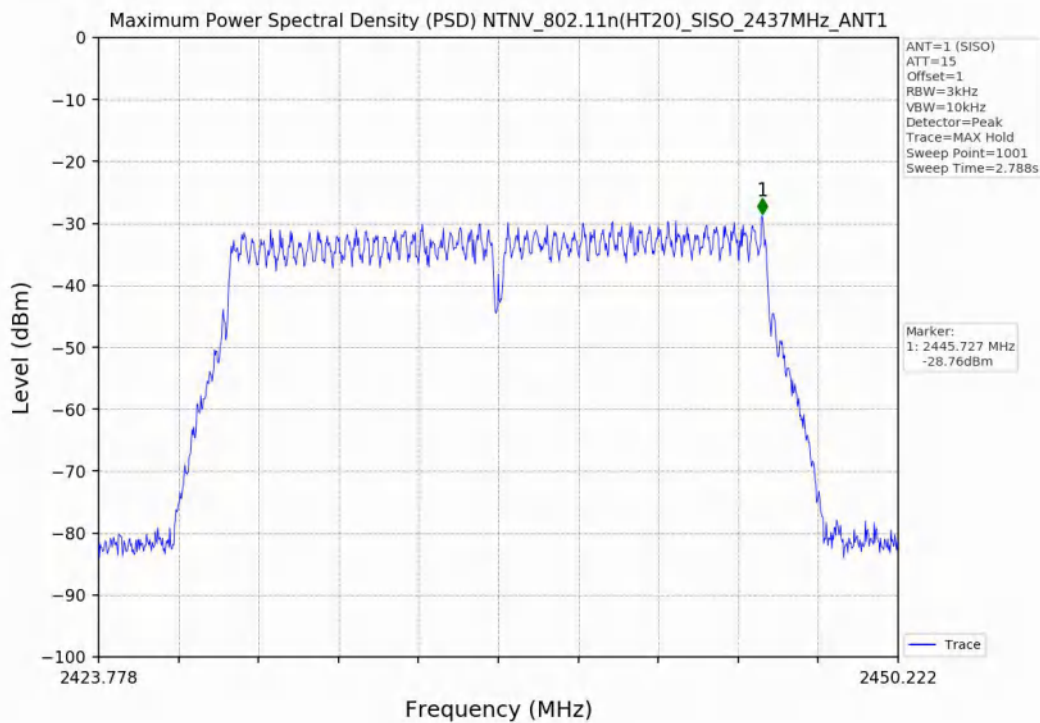
3.2 Test Graph

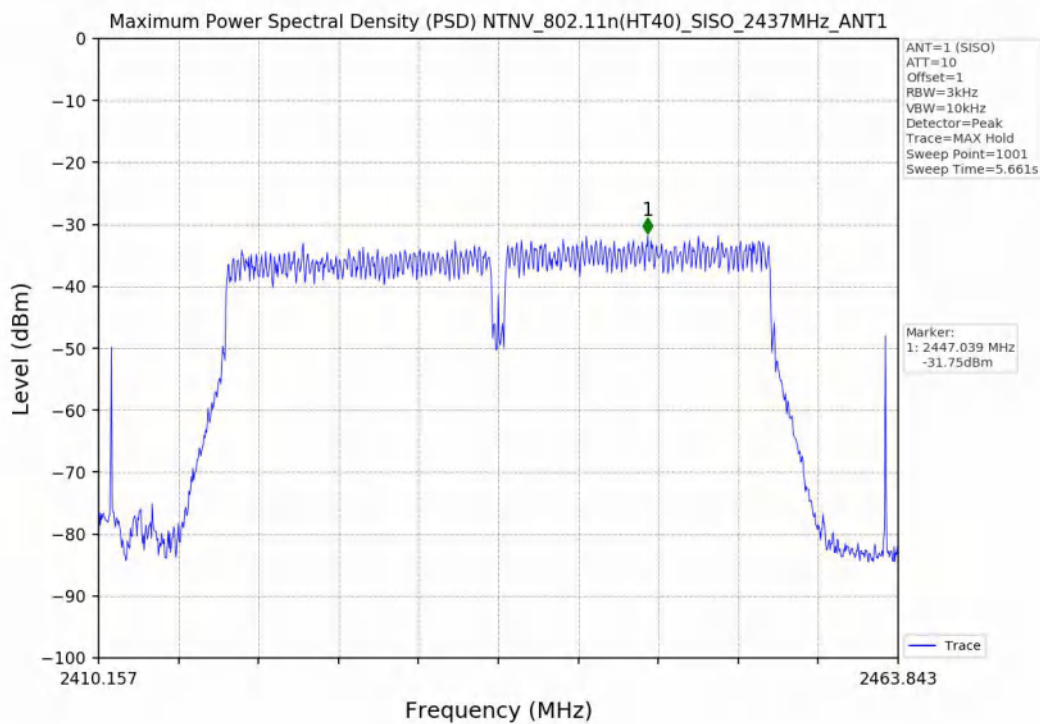
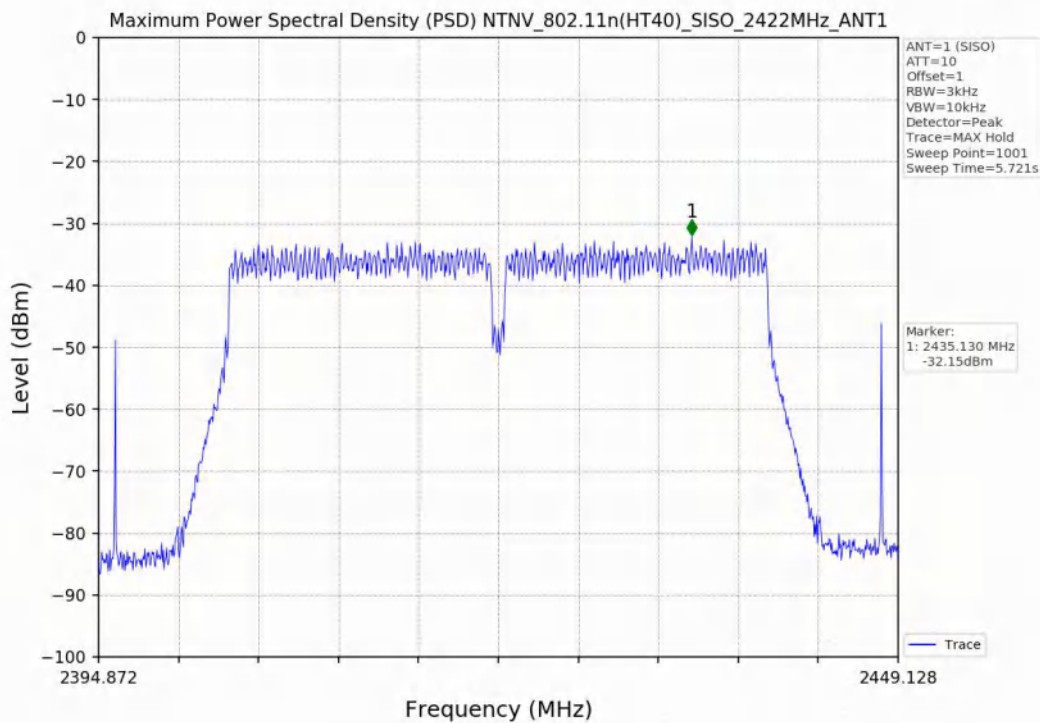


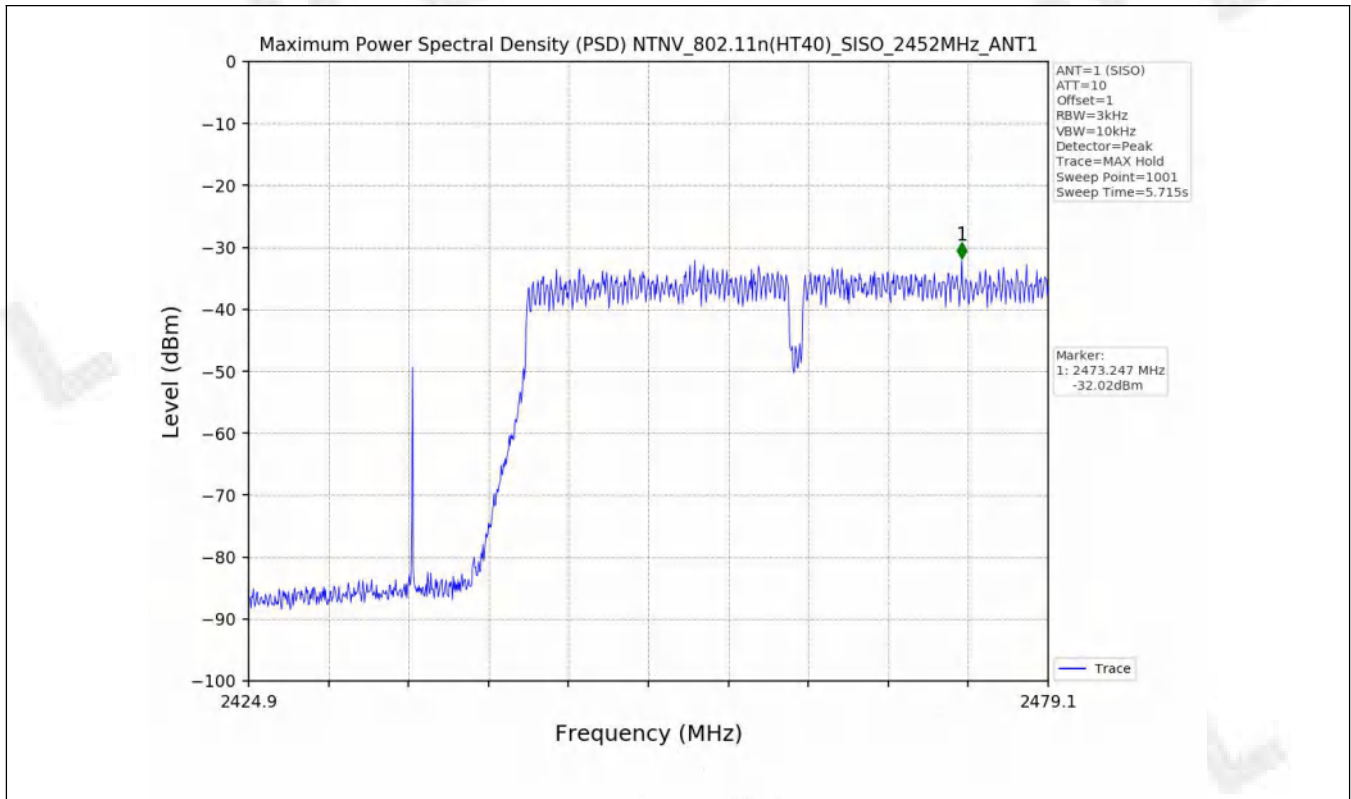












4. Unwanted Emissions in Non-restricted Frequency Bands

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	-29.77	PASS
	2437	SISO	1	Refer to test graph	-29.77	PASS
	2462	SISO	1	Refer to test graph	-29.77	PASS
802.11g	2412	SISO	1	Refer to test graph	-34.23	PASS
	2437	SISO	1	Refer to test graph	-34.23	PASS
	2462	SISO	1	Refer to test graph	-34.23	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-34.13	PASS
	2437	SISO	1	Refer to test graph	-34.13	PASS
	2462	SISO	1	Refer to test graph	-34.13	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-37.10	PASS
	2437	SISO	1	Refer to test graph	-37.10	PASS

	2452	SISO	1	Refer to test graph	-37.10	PASS
--	------	------	---	---------------------	--------	------

4.2 Test Graph

