



Shenzhen CTL Testing Technology Co., Ltd.

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

Appendix for 15.247

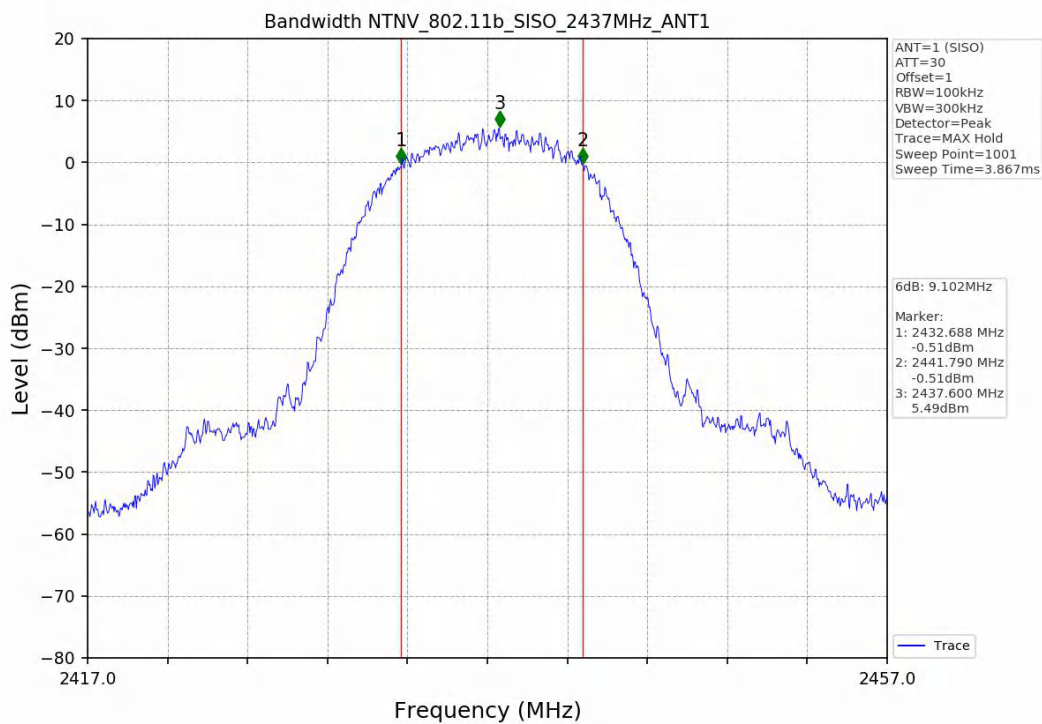
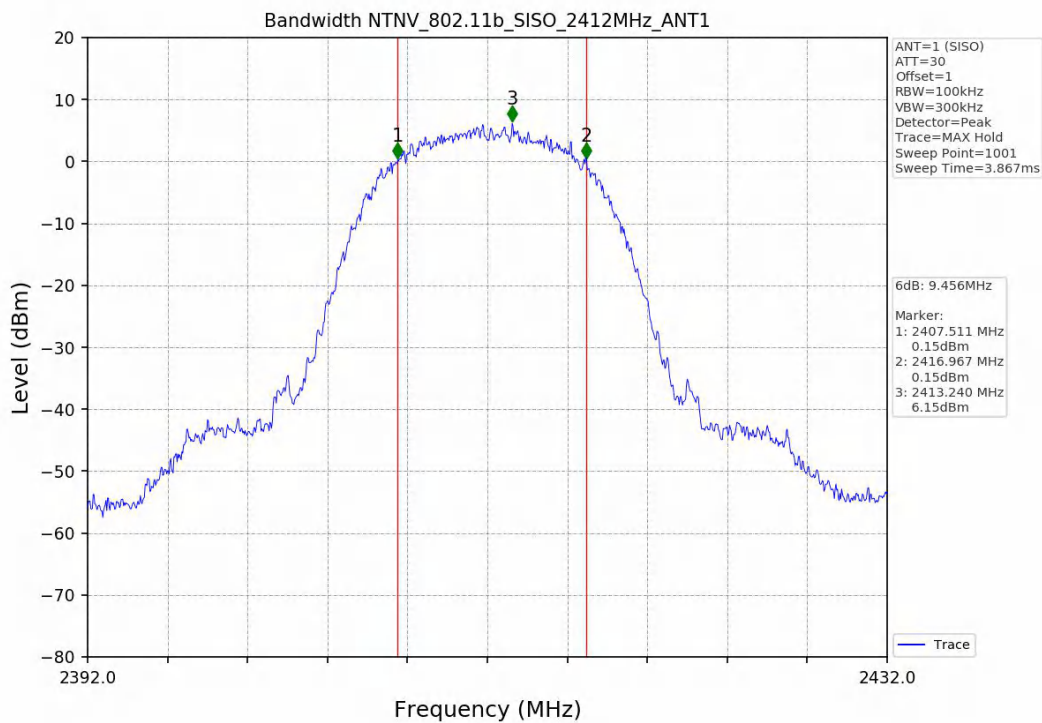
1. Bandwidth

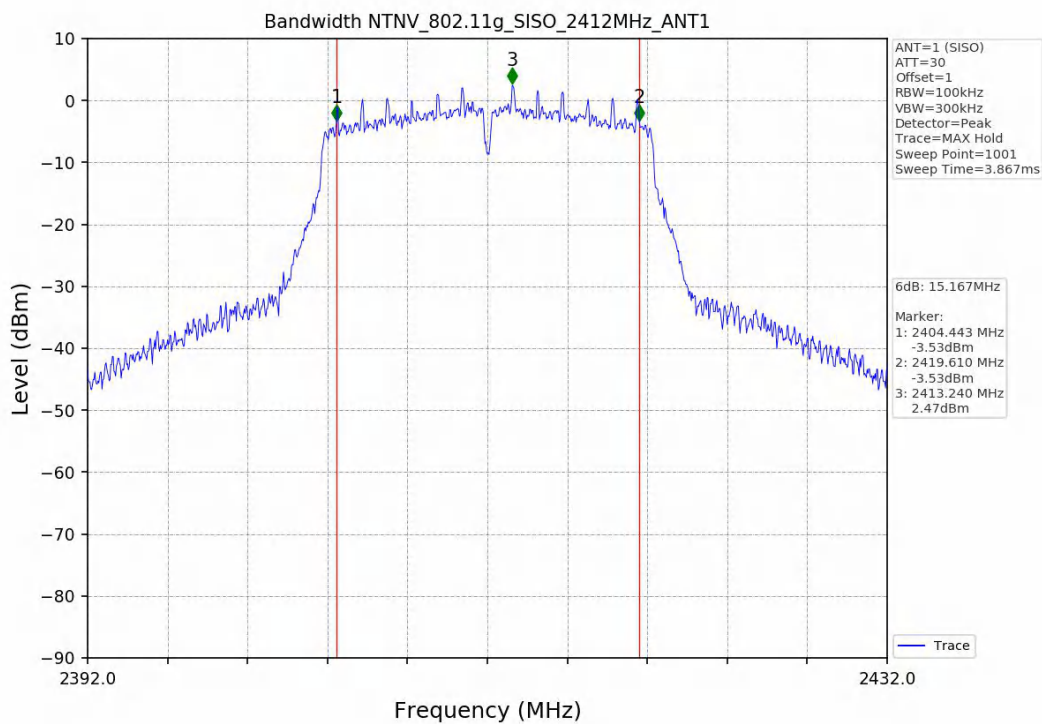
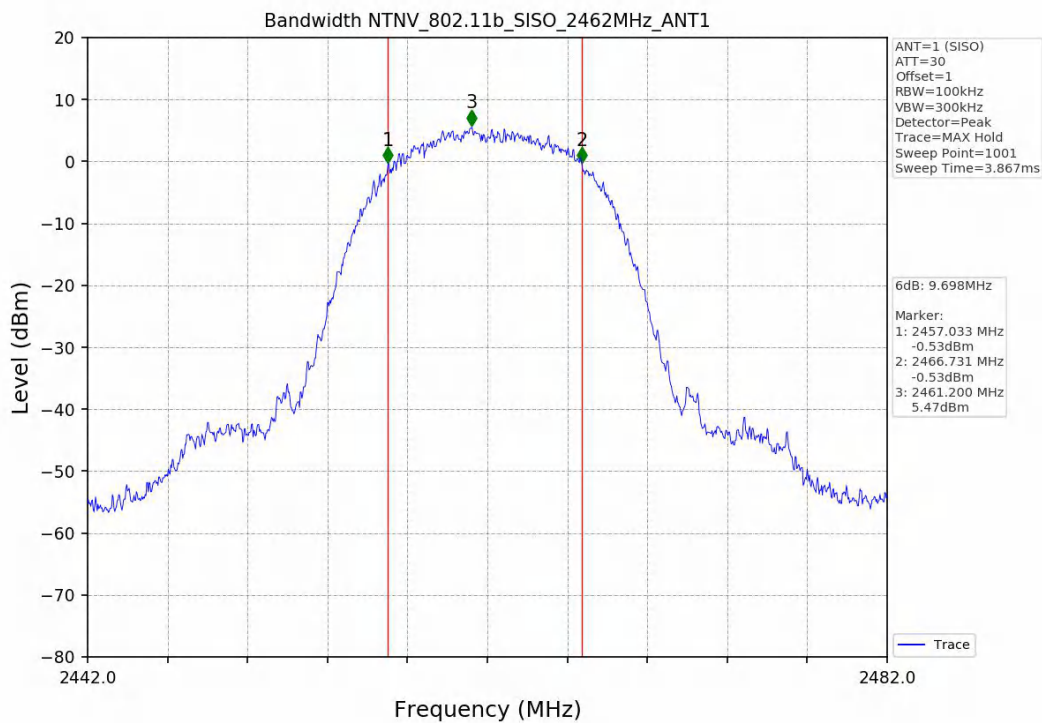
1.1 Test Result

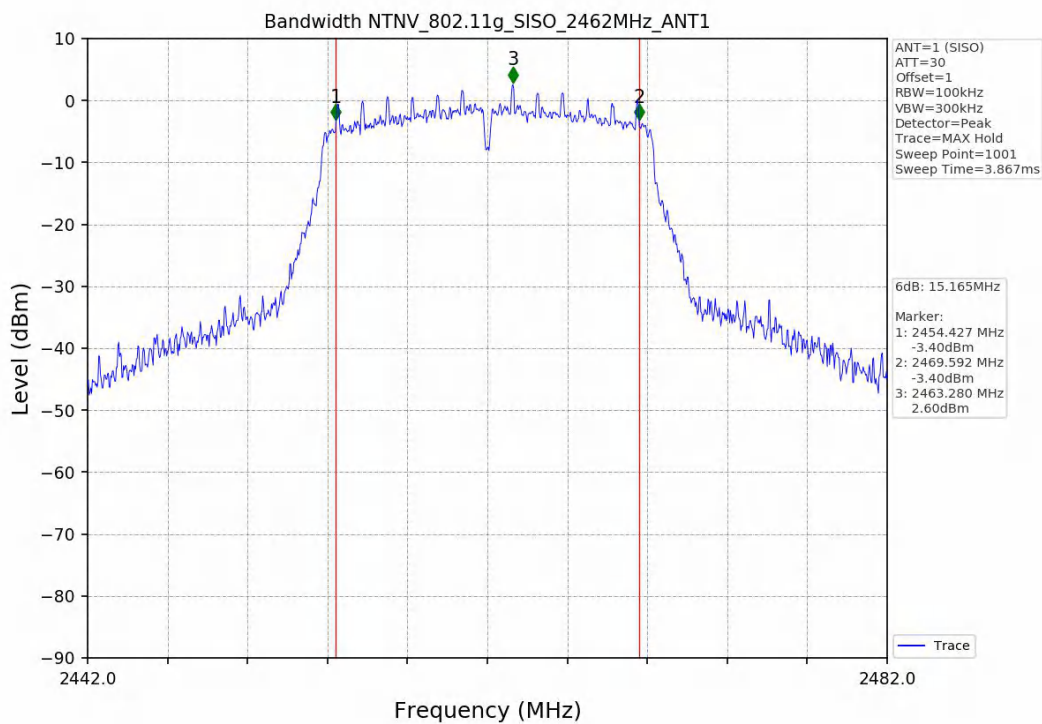
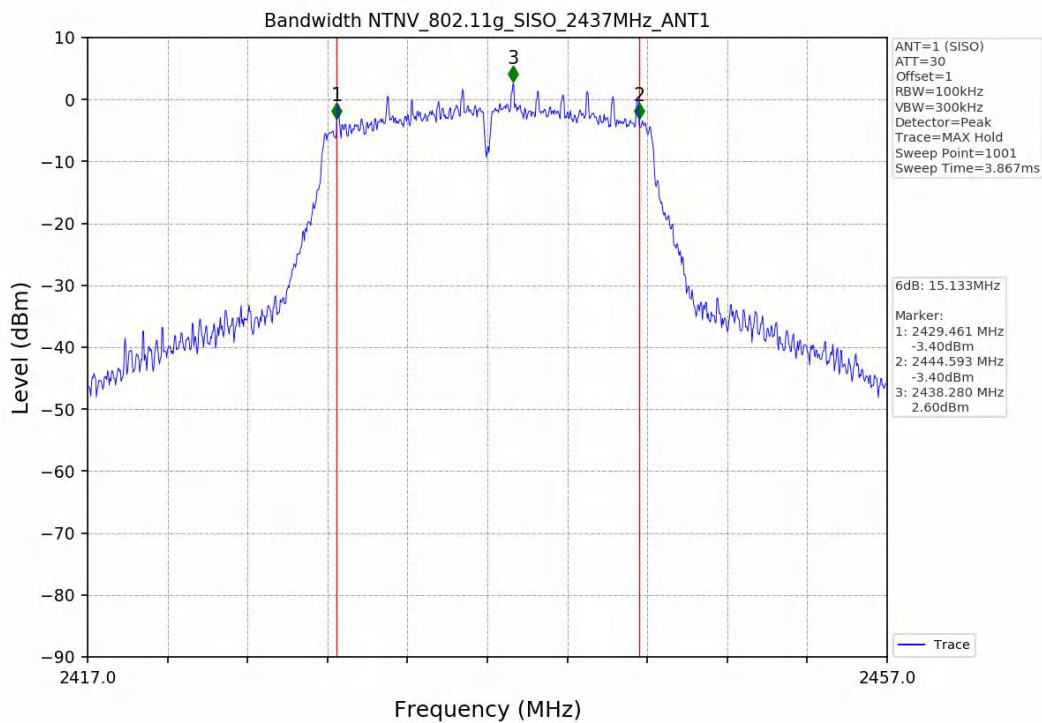
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth	Verdict
				Test Result (MHz)	
802.11b	2412	SISO	1	9.456	PASS
	2437	SISO	1	9.102	PASS
	2462	SISO	1	9.698	PASS
802.11g	2412	SISO	1	15.167	PASS
	2437	SISO	1	15.133	PASS
	2462	SISO	1	15.165	PASS
802.11n(HT20)	2412	SISO	1	15.197	PASS
	2437	SISO	1	15.182	PASS
	2462	SISO	1	15.988	PASS
802.11n(HT40)	2422	SISO	1	35.268	PASS
	2437	SISO	1	35.228	PASS
	2452	SISO	1	35.228	PASS

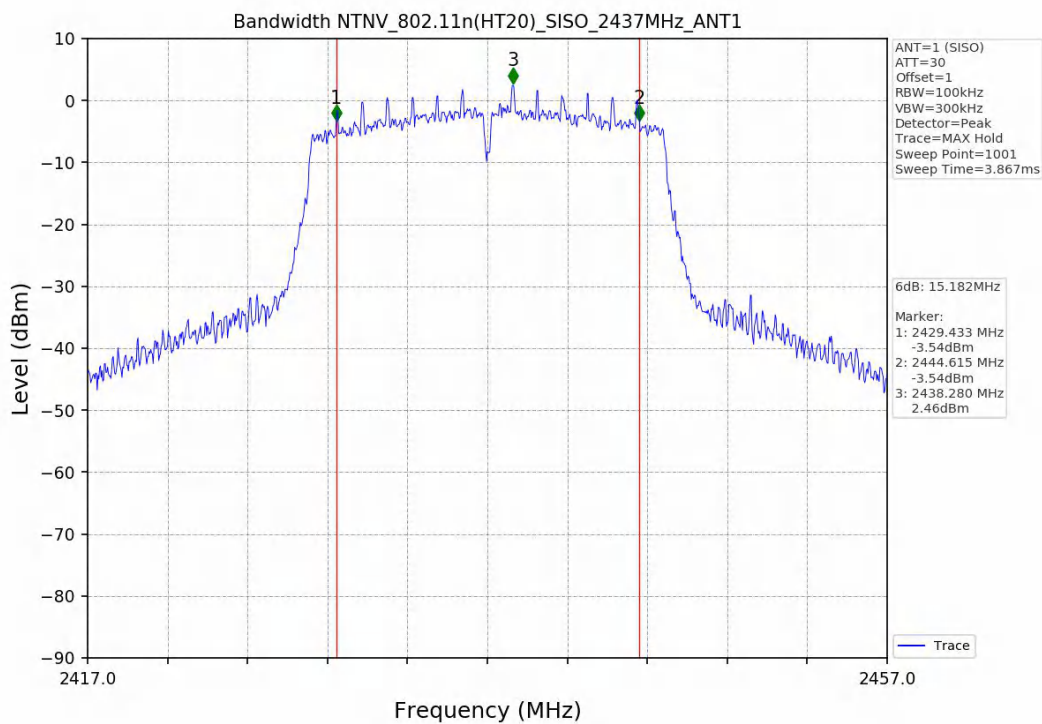
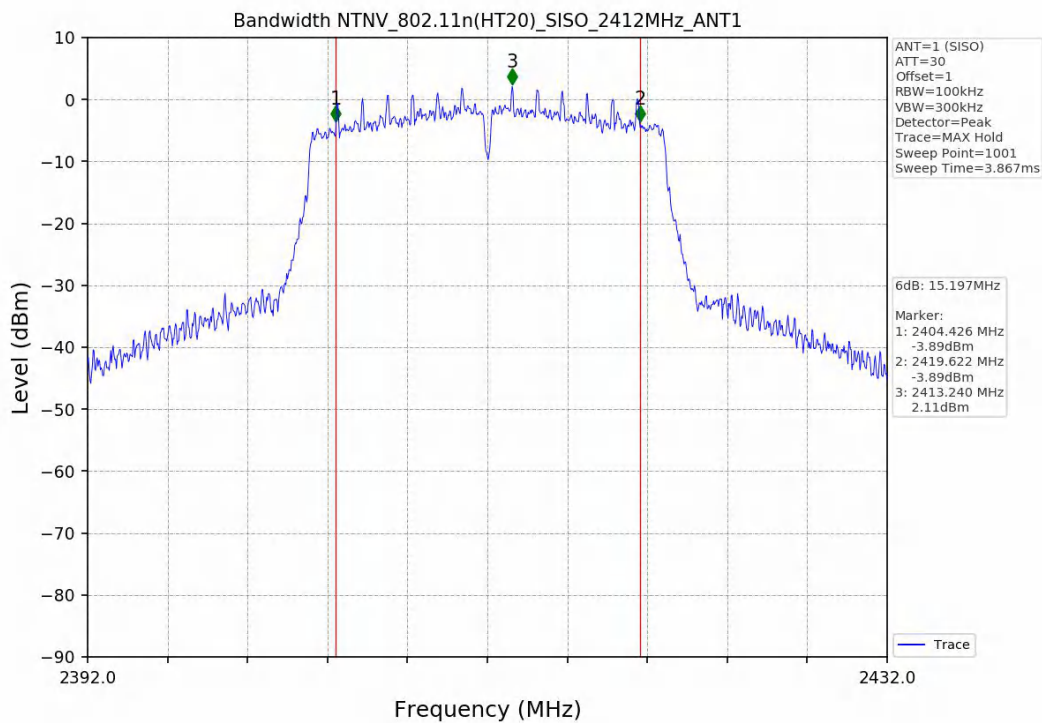
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	12.378	Only for Report Use
	2437	SISO	1	12.420	Only for Report Use
	2462	SISO	1	12.316	Only for Report Use
802.11g	2412	SISO	1	16.701	Only for Report Use
	2437	SISO	1	16.764	Only for Report Use
	2462	SISO	1	16.773	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.666	Only for Report Use
	2437	SISO	1	17.654	Only for Report Use
	2462	SISO	1	17.702	Only for Report Use
802.11n(HT40)	2422	SISO	1	36.419	Only for Report Use
	2437	SISO	1	36.421	Only for Report Use
	2452	SISO	1	36.374	Only for Report Use

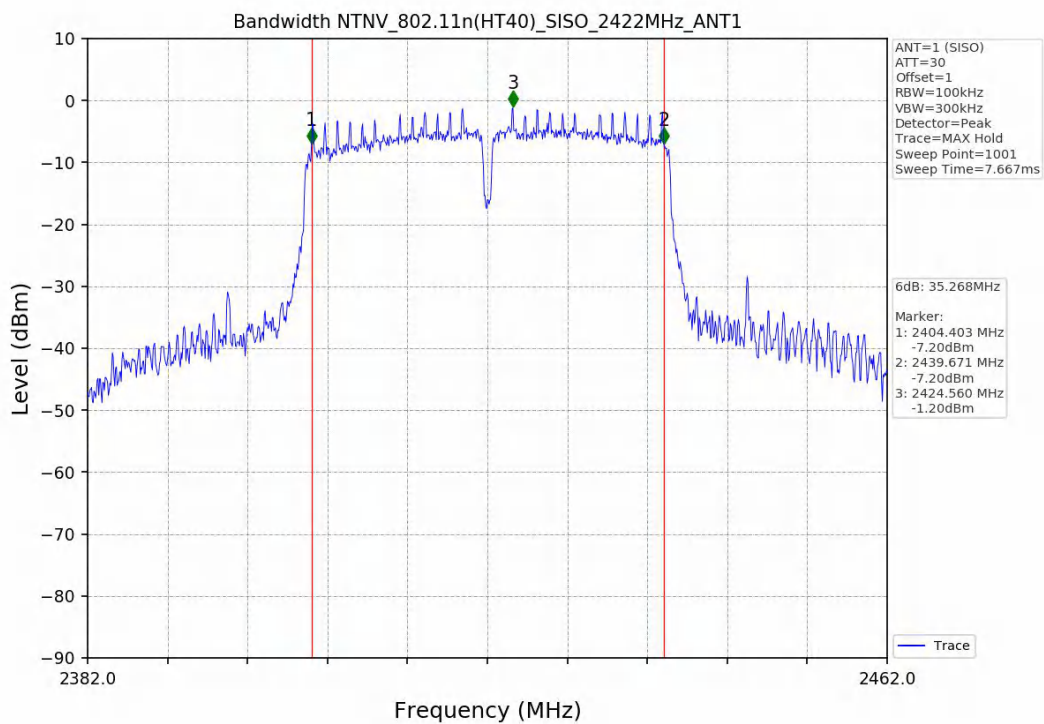
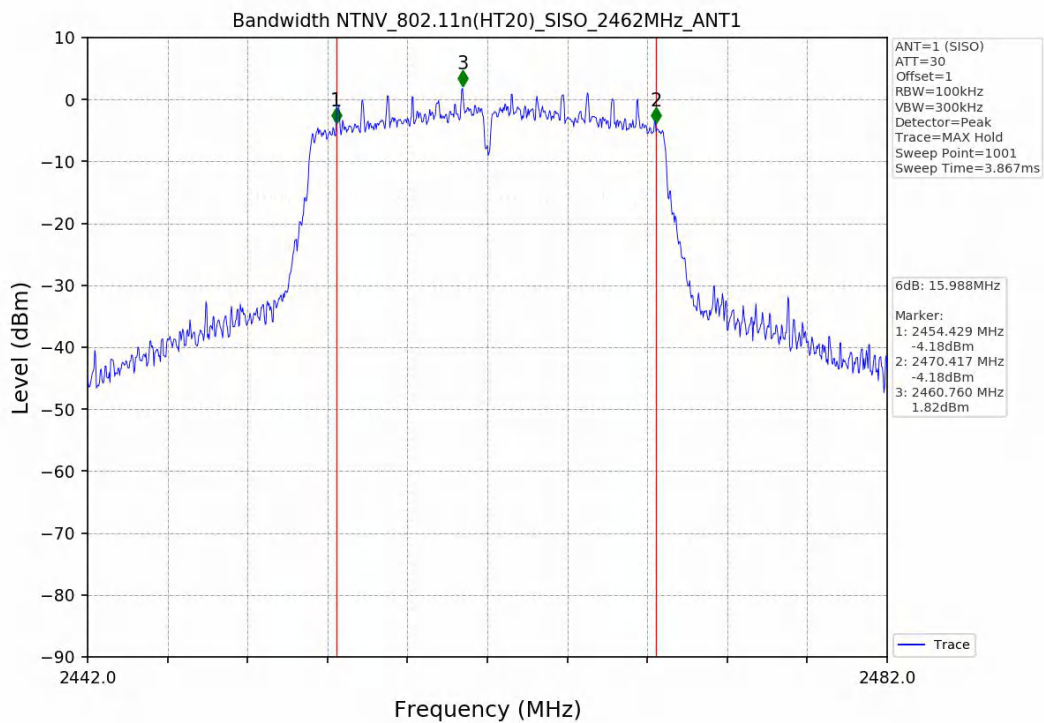
1.2 Test Graph - 6dB Bandwidth

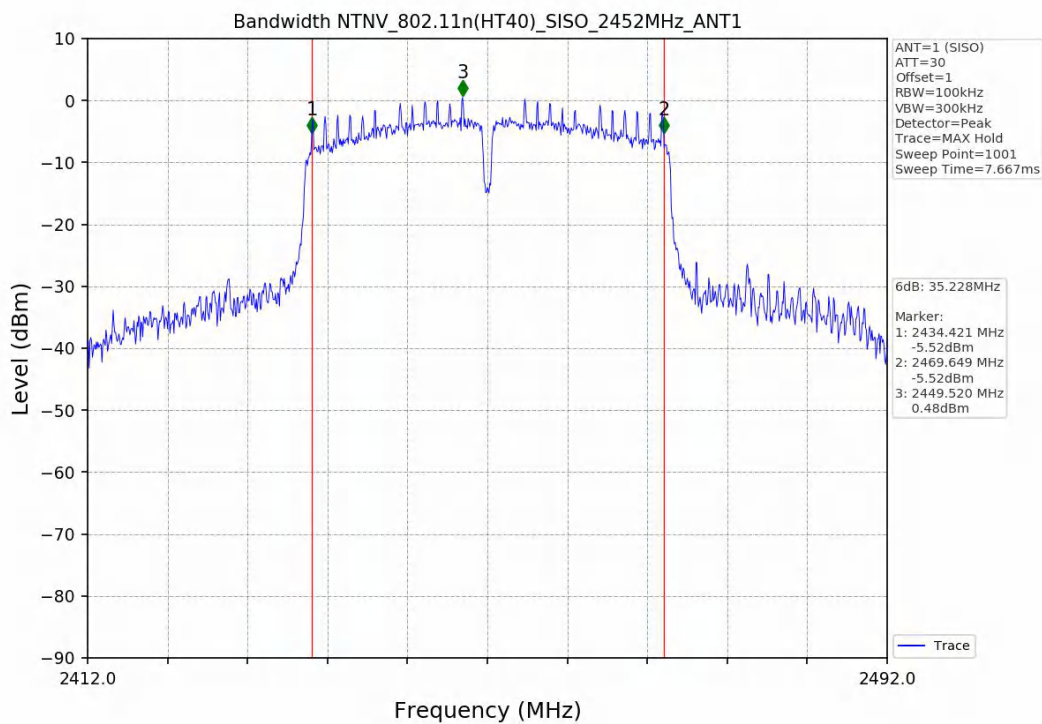
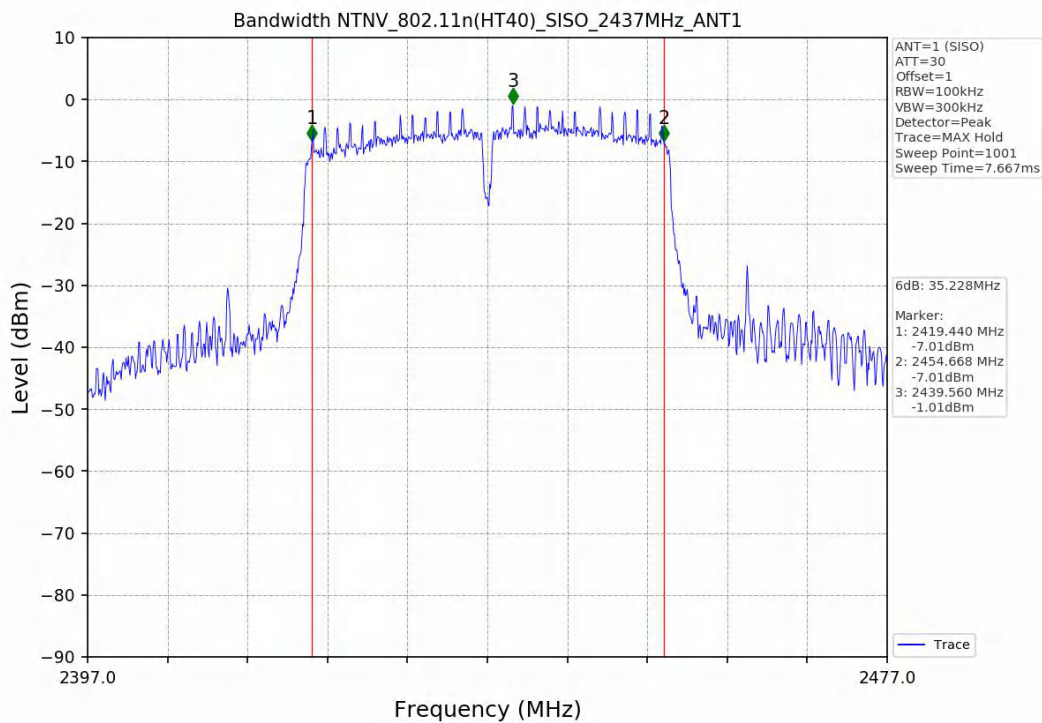




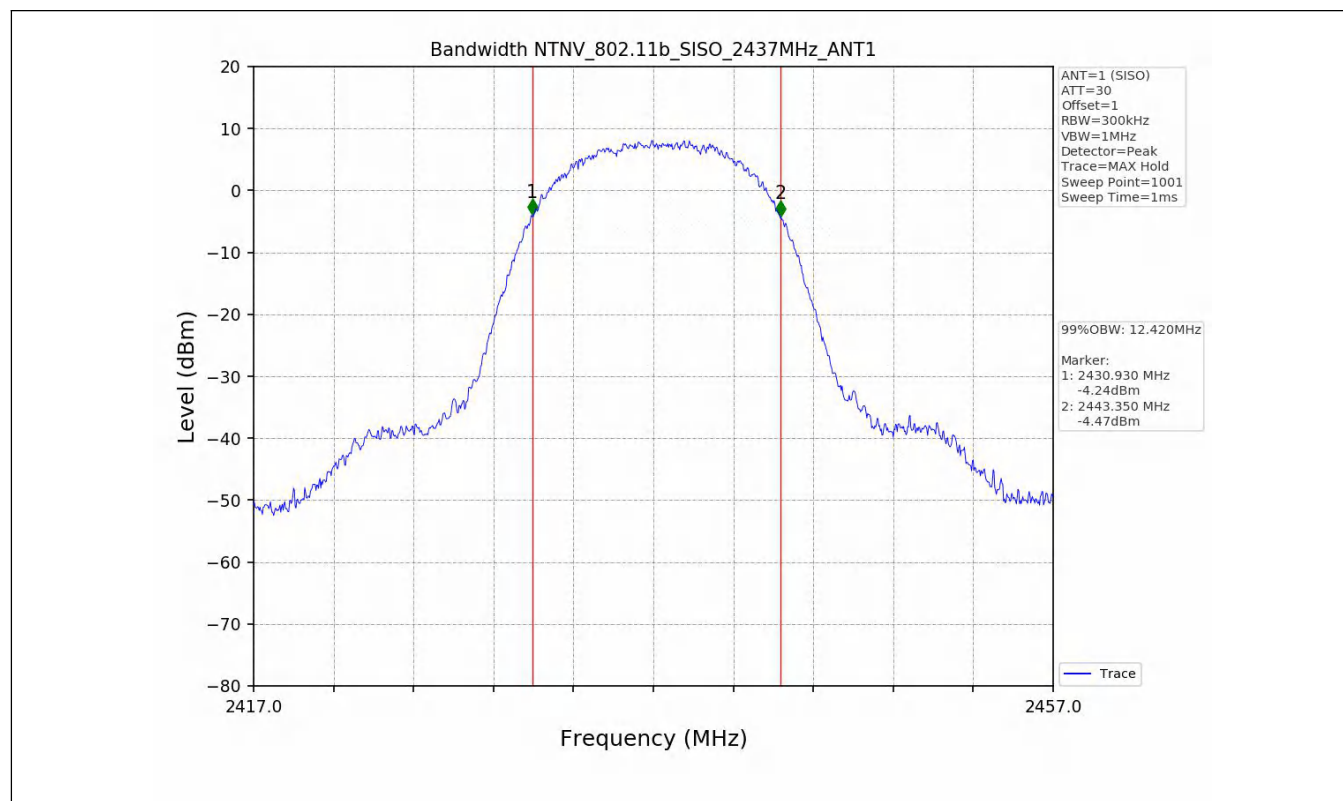
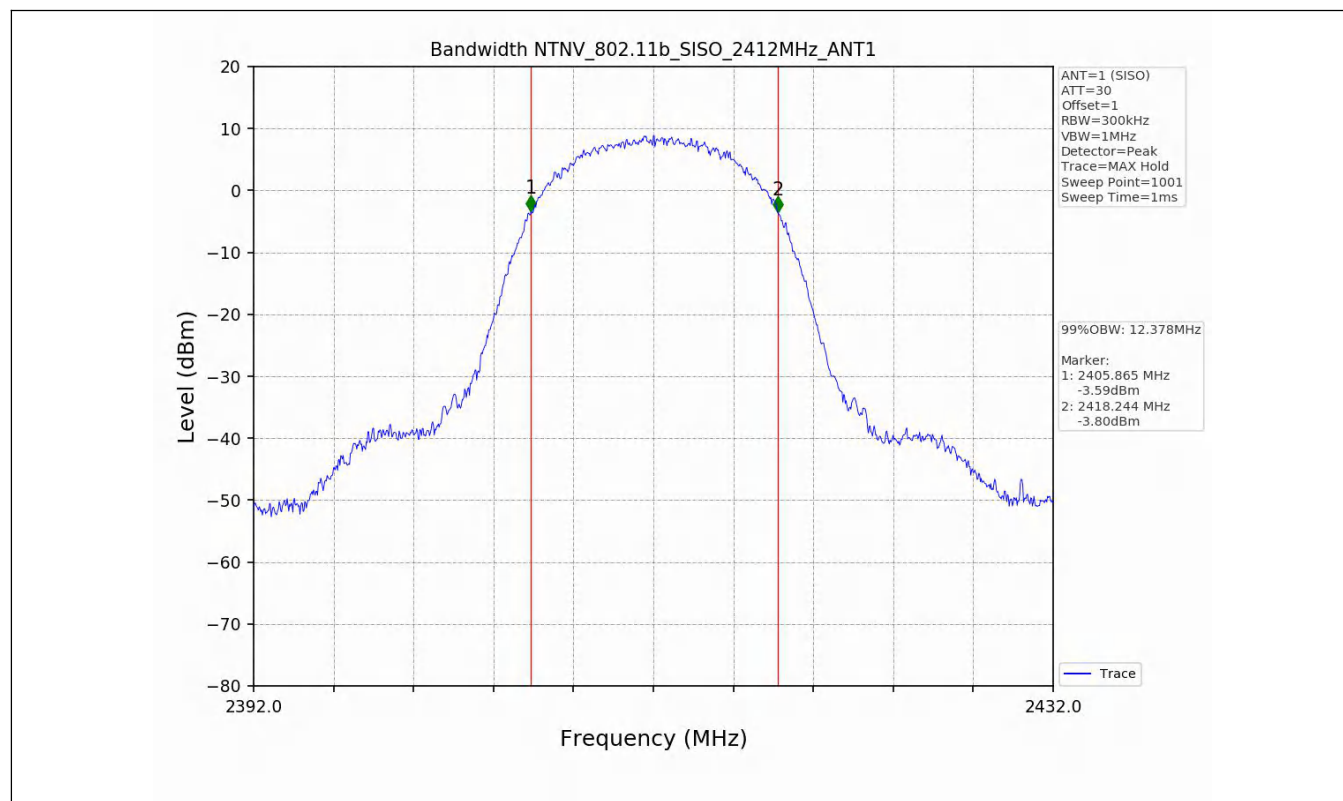


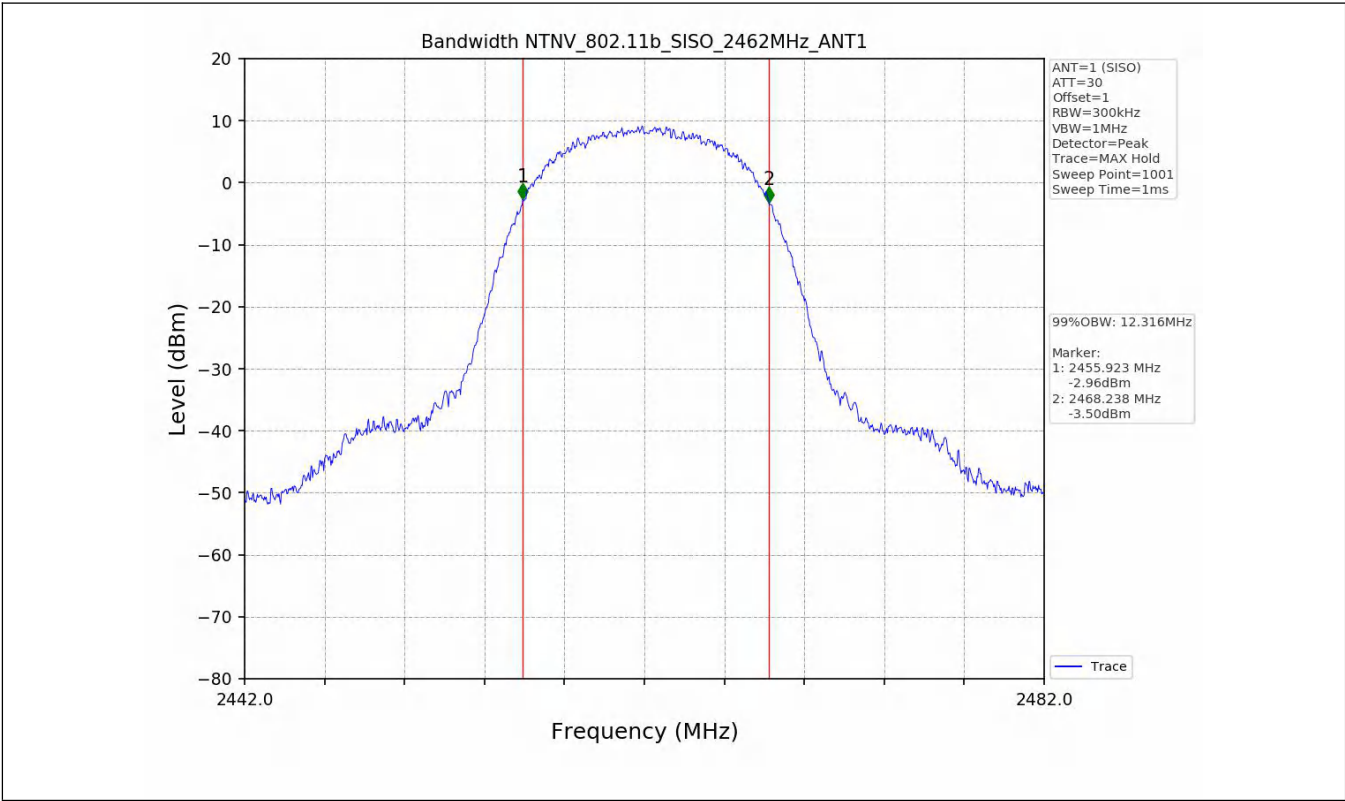


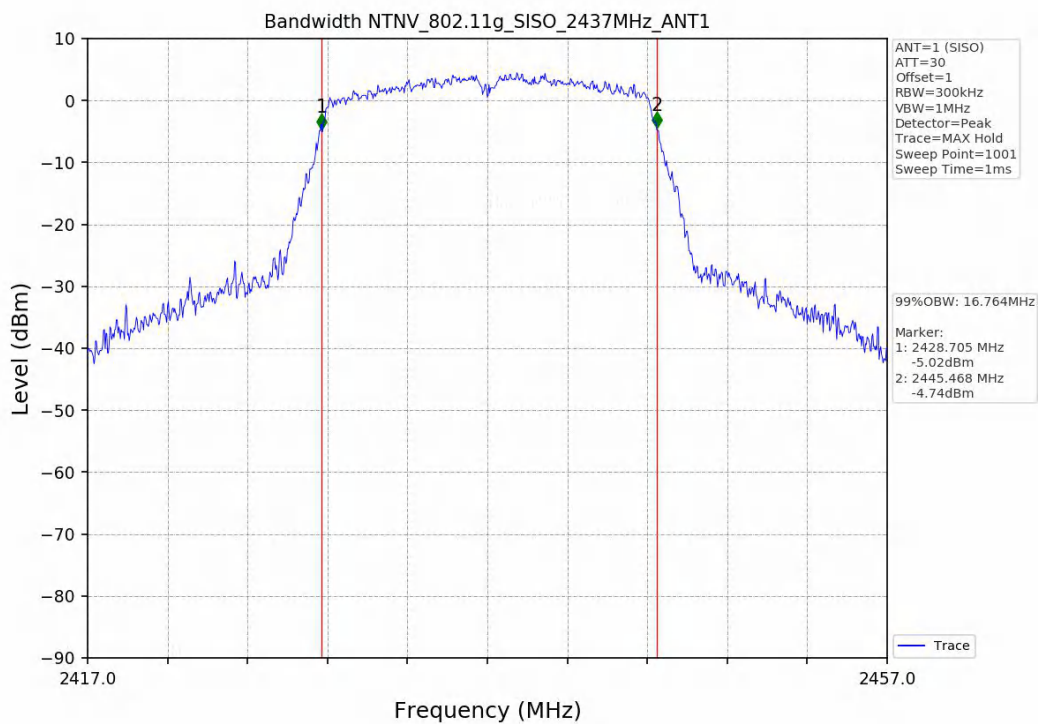
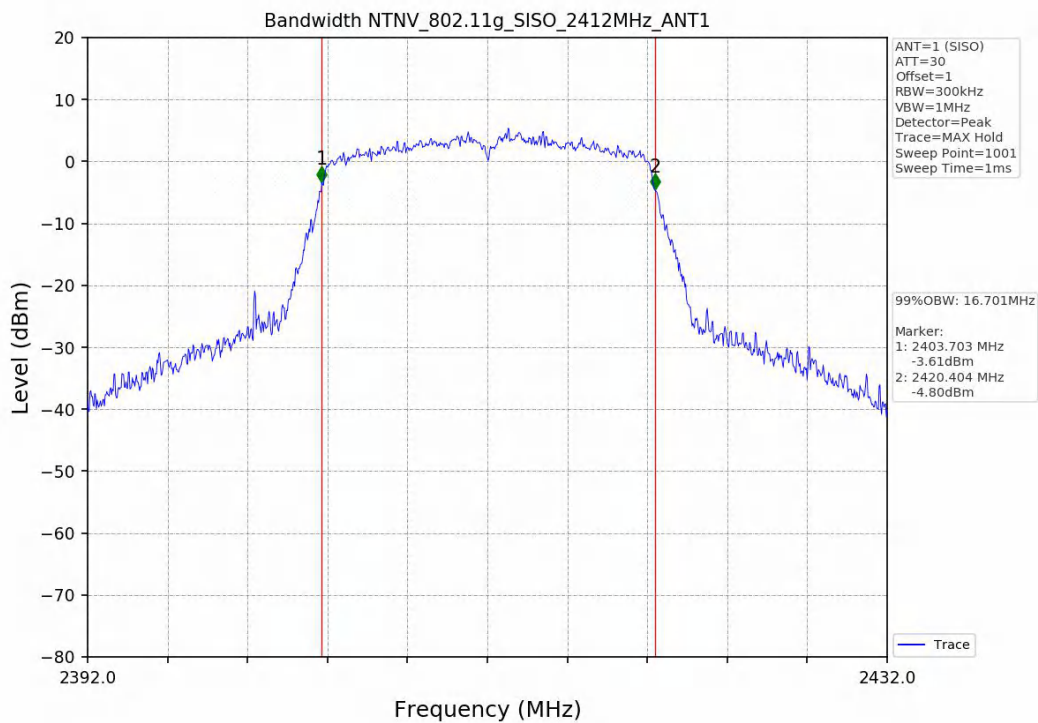


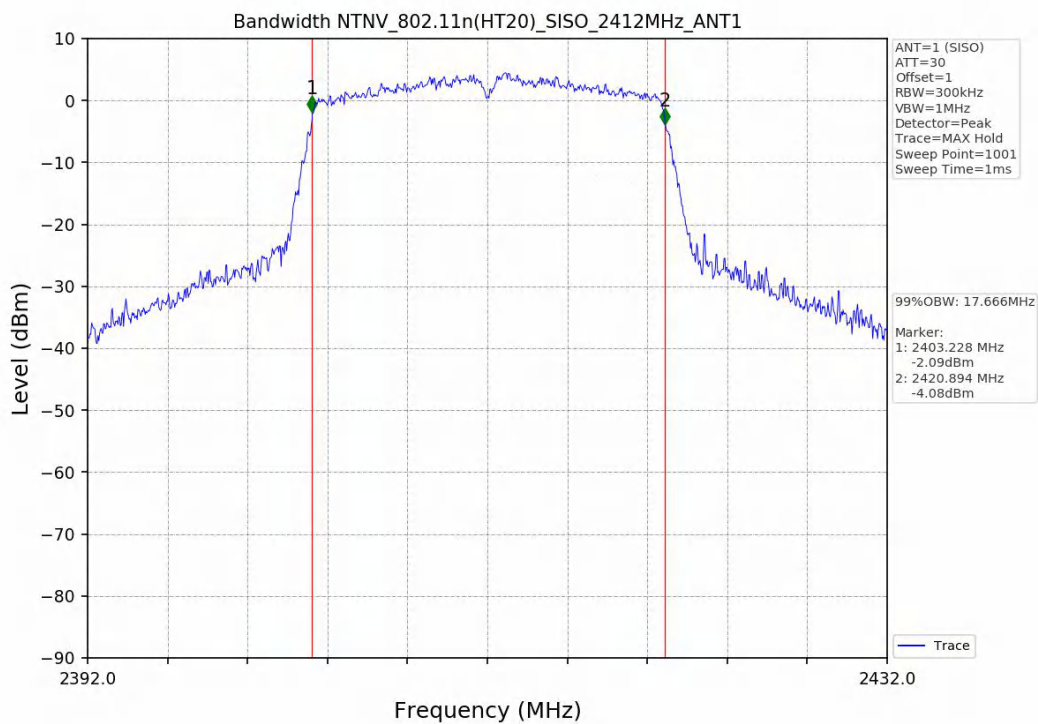
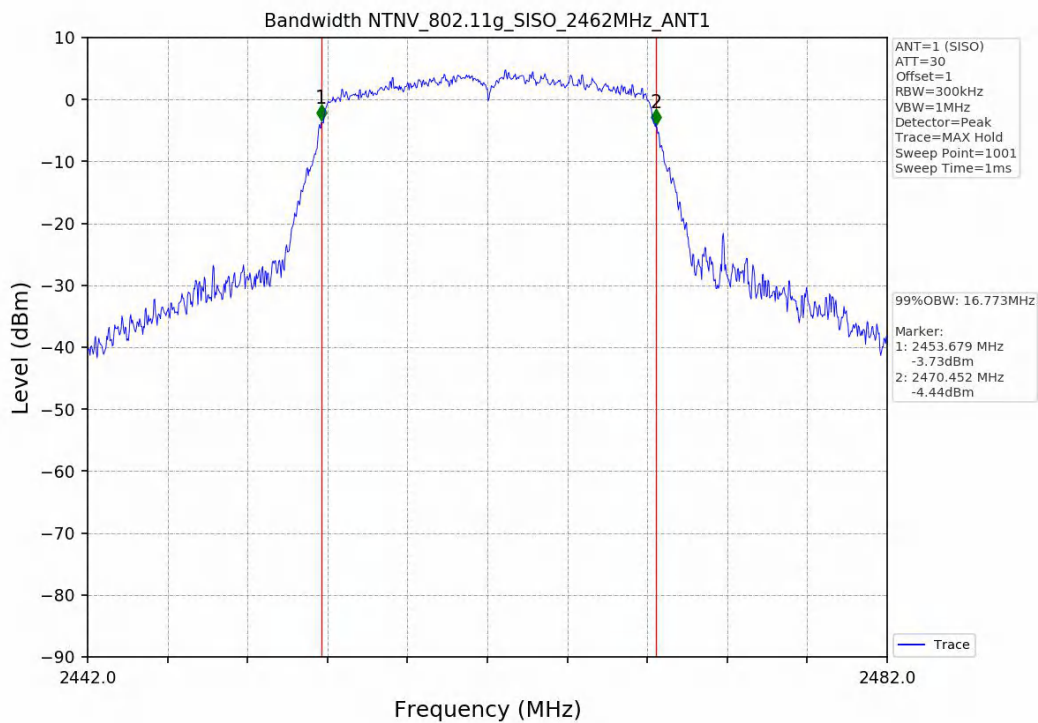


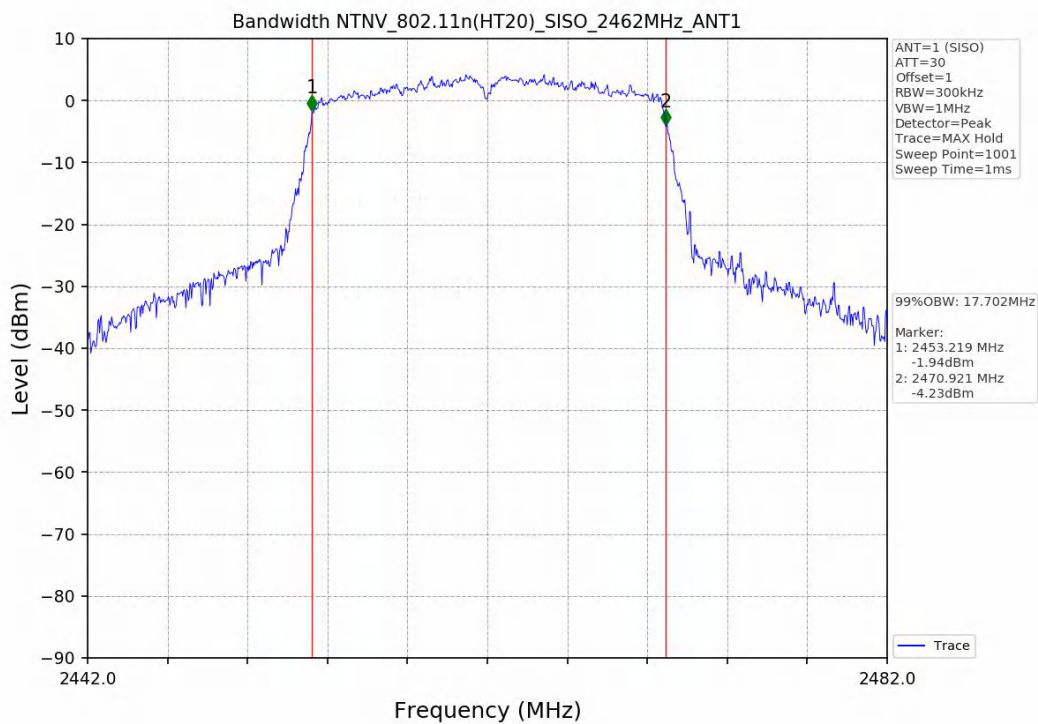
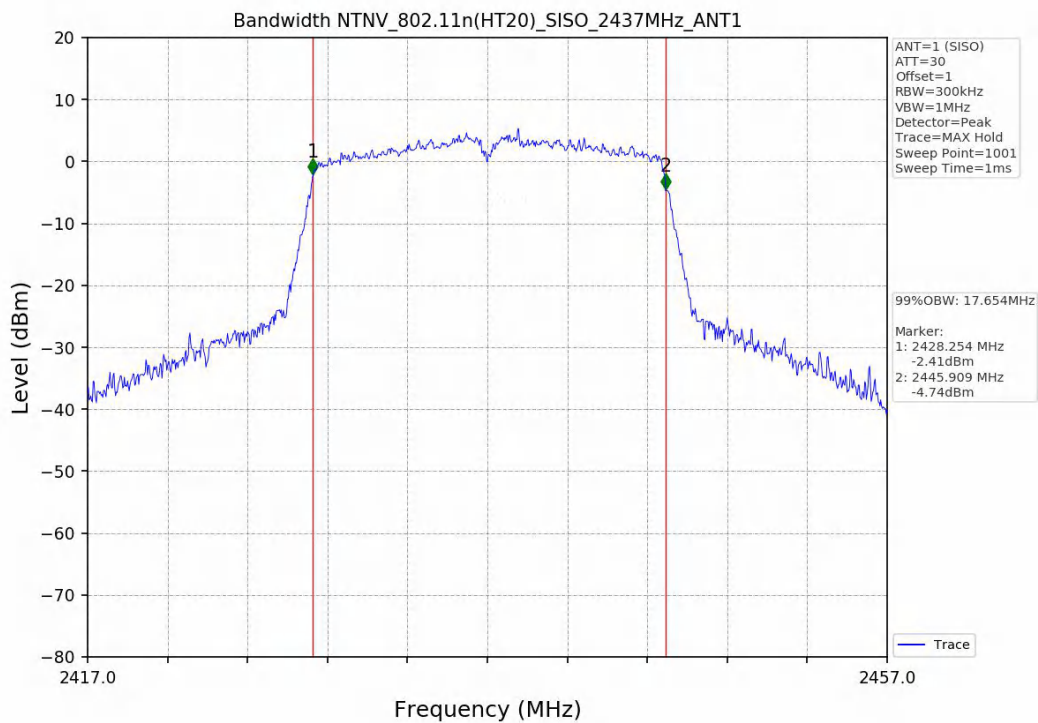
1.3 Test Graph - 99% Occupied Bandwidth

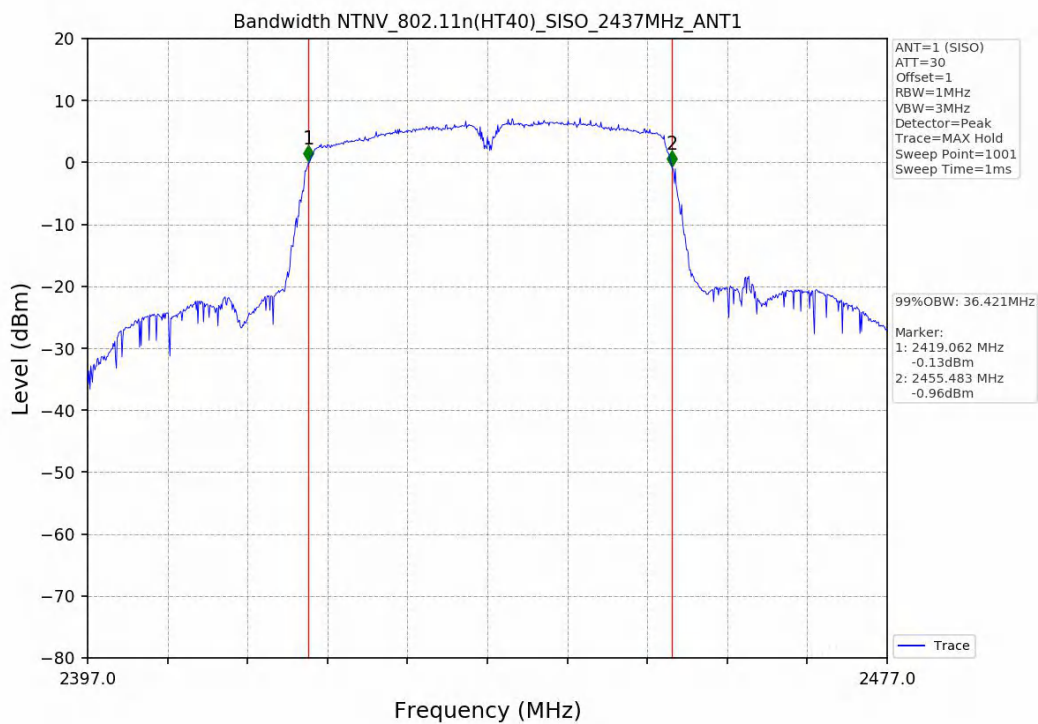
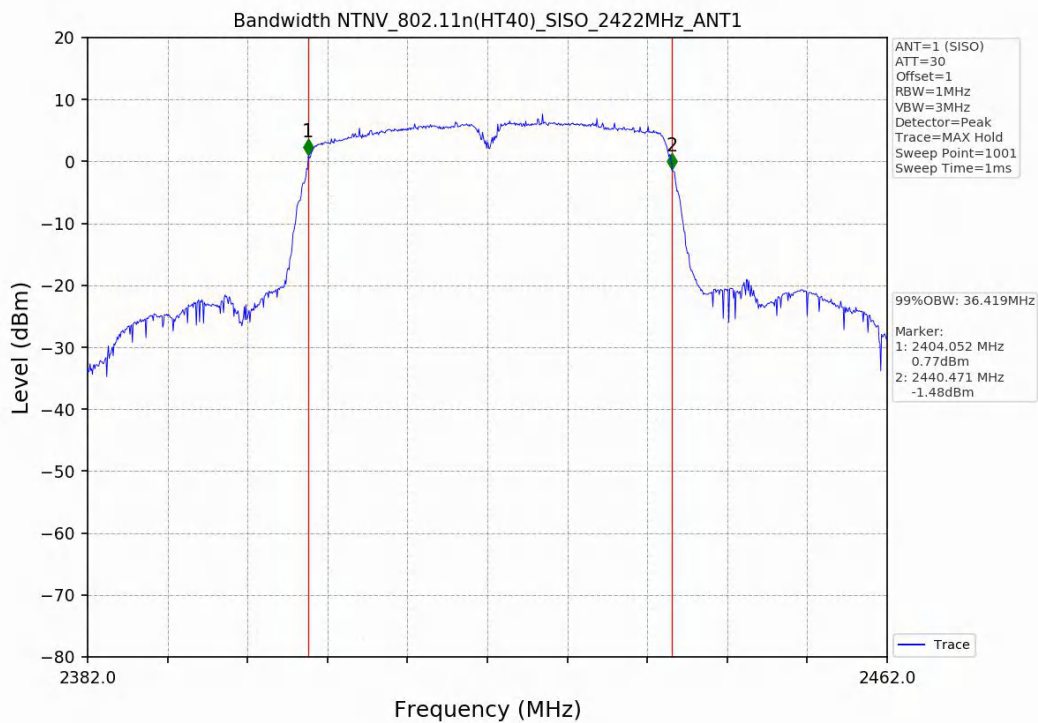


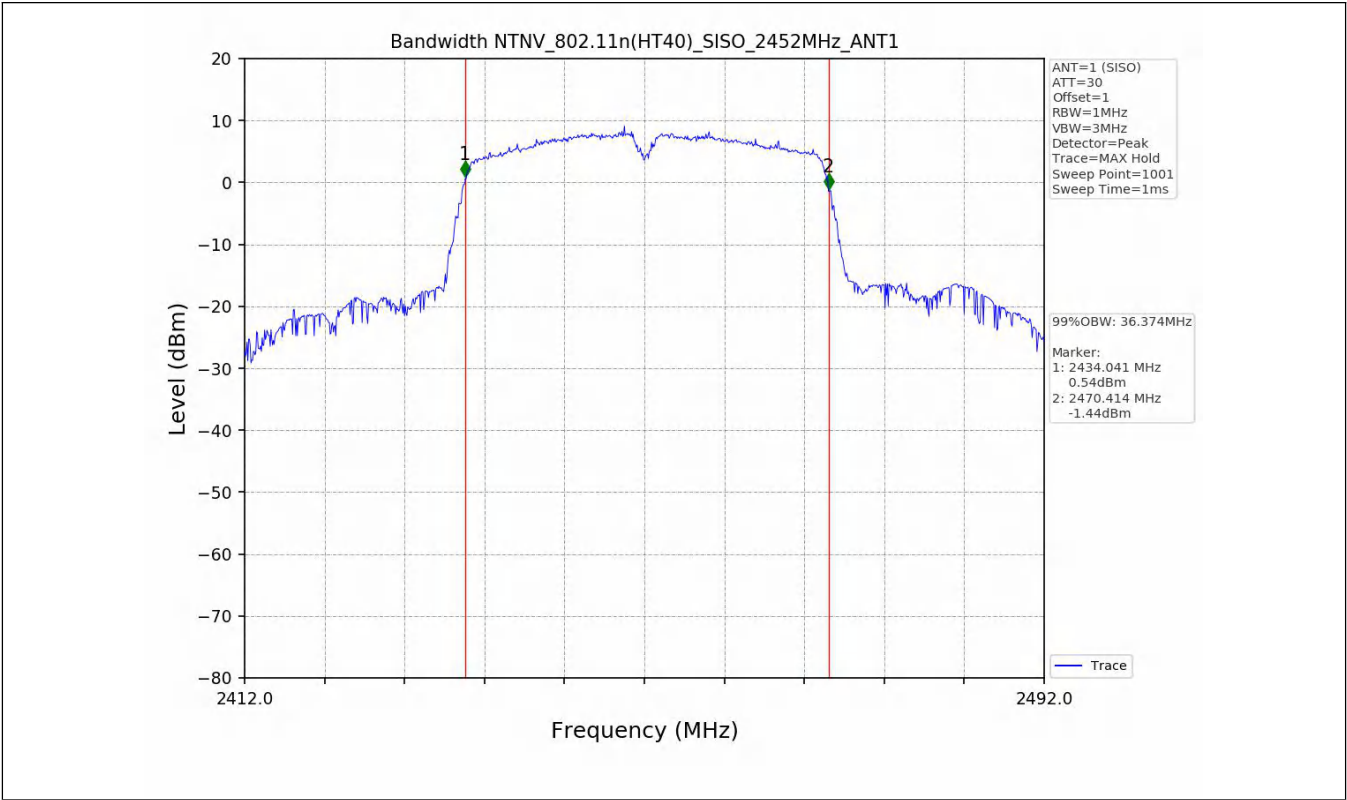










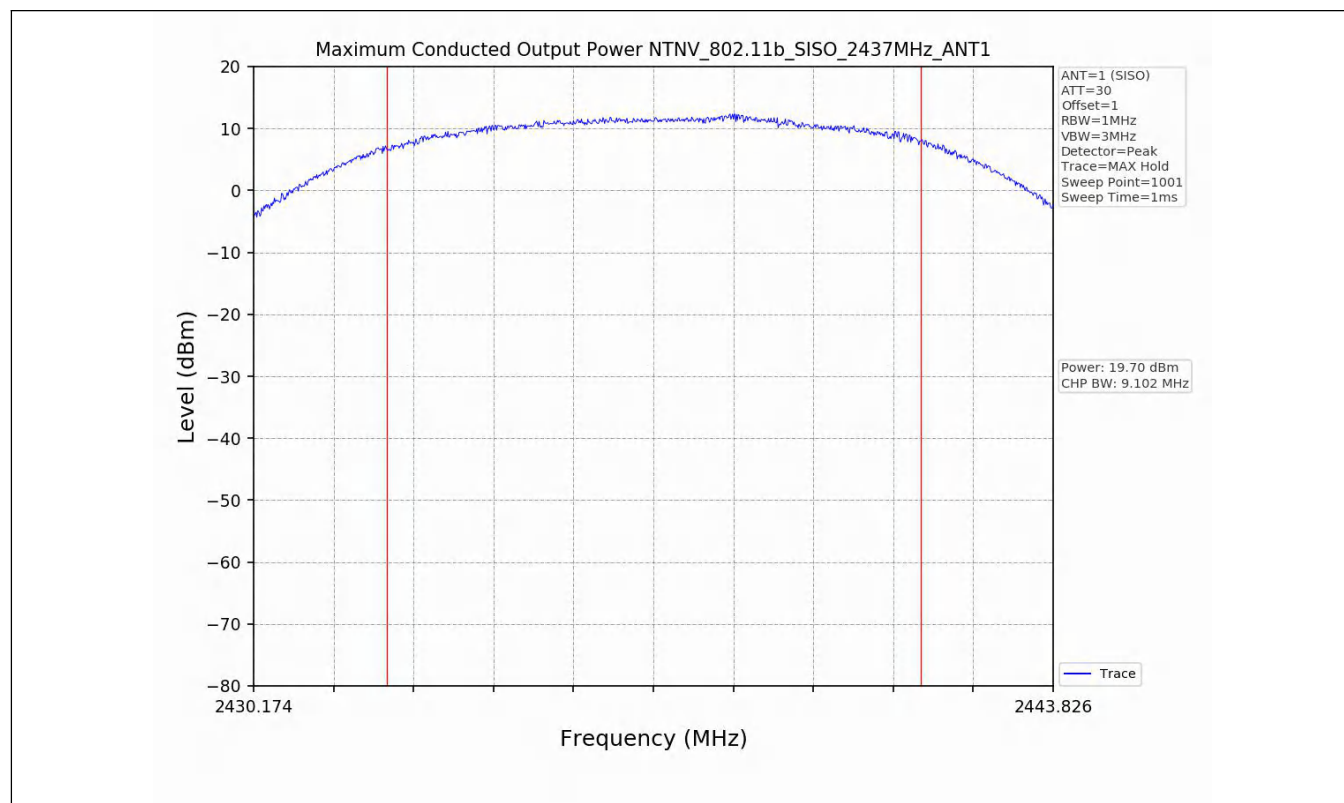
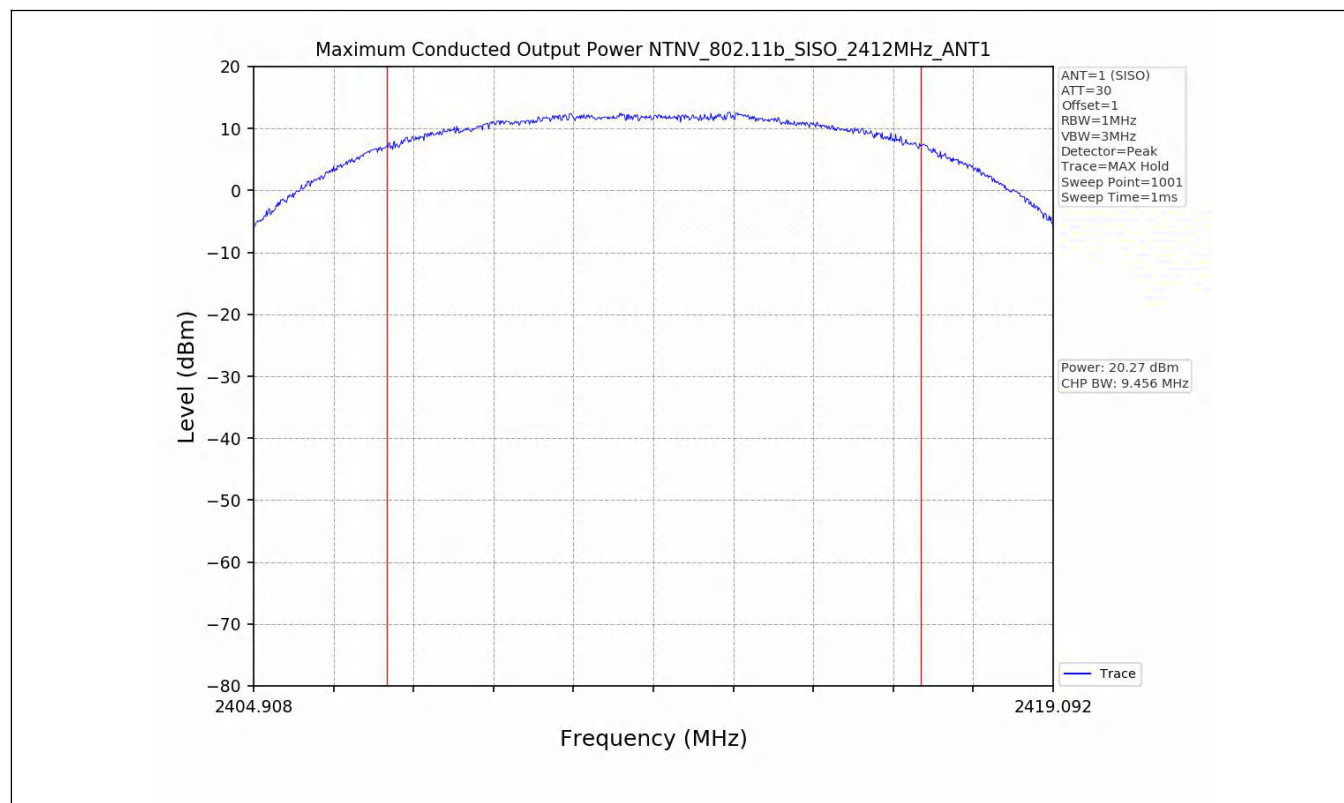


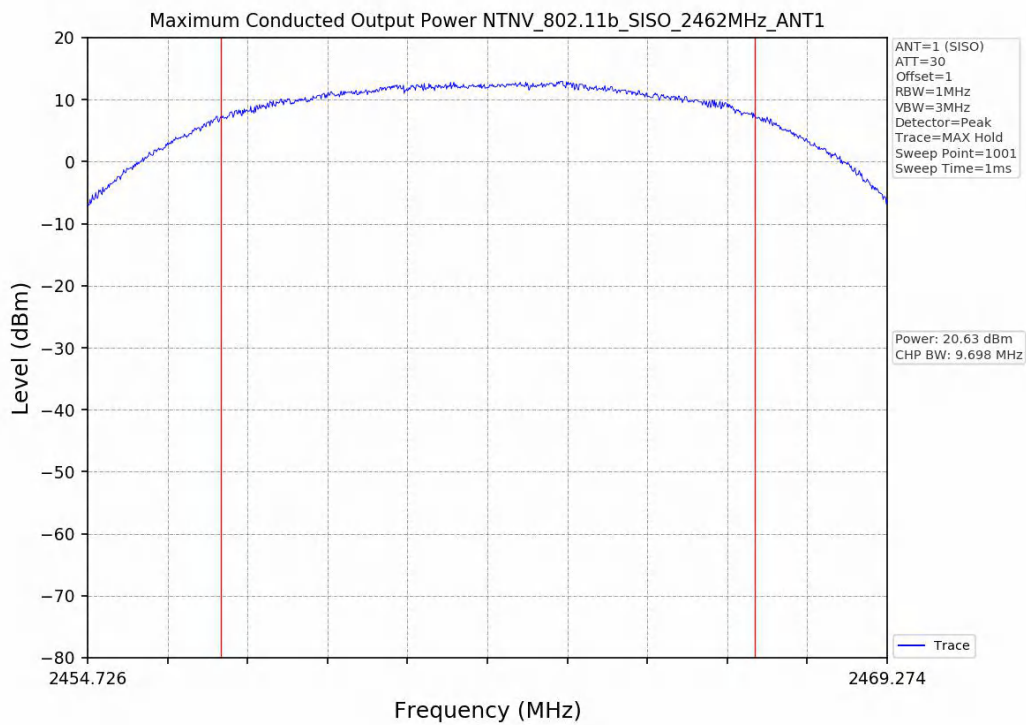
2. Maximum Conducted Output Power

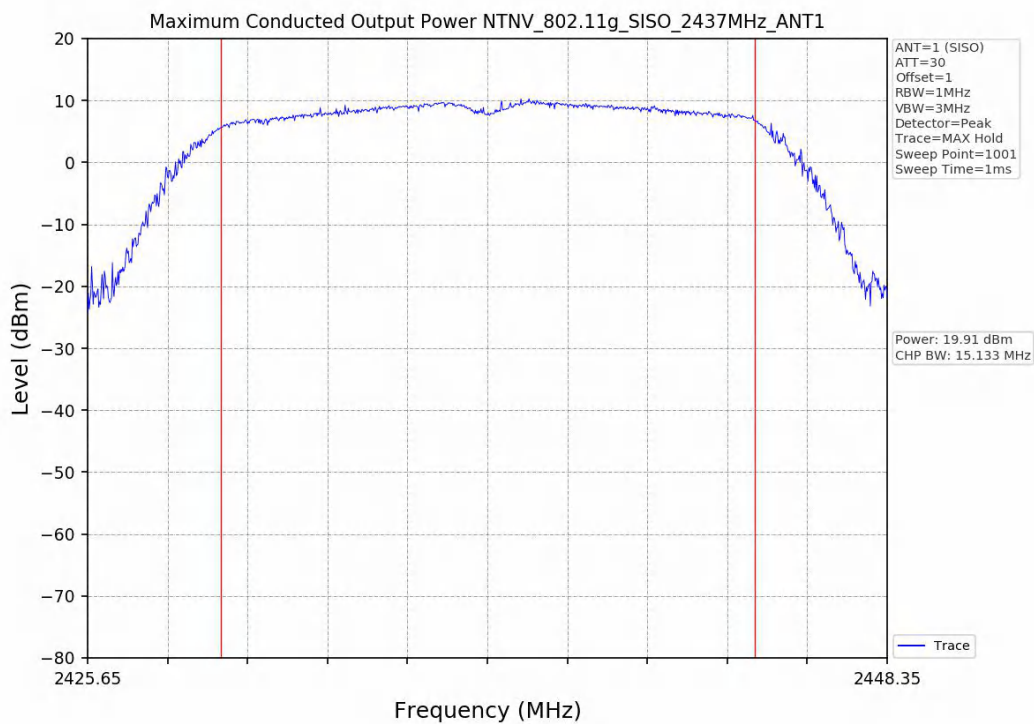
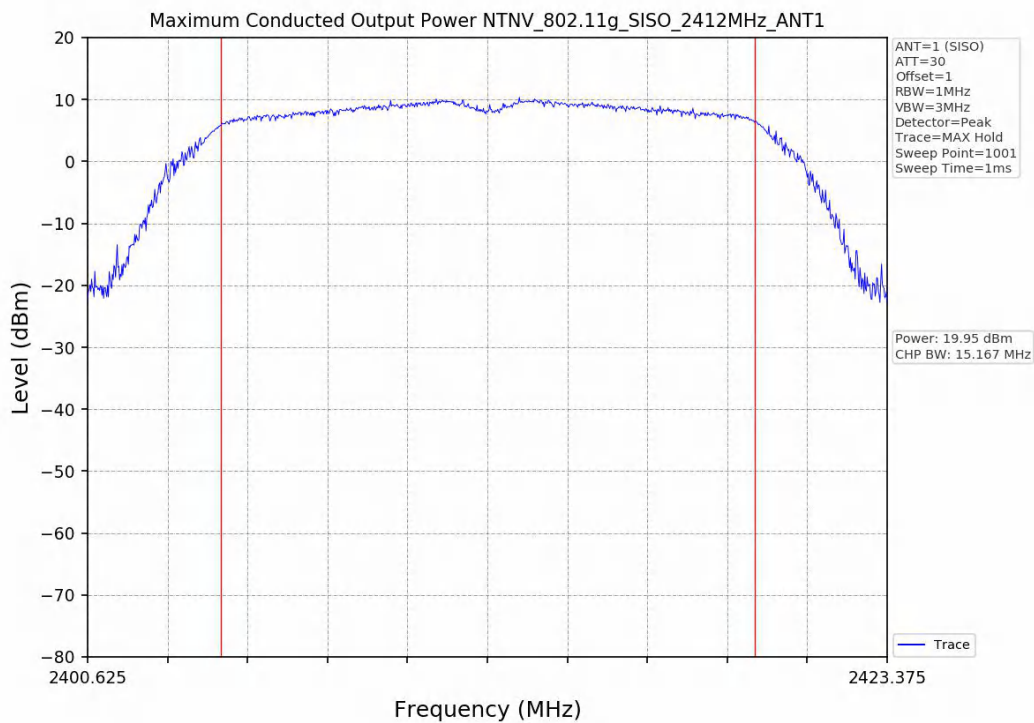
2.1 Test Result

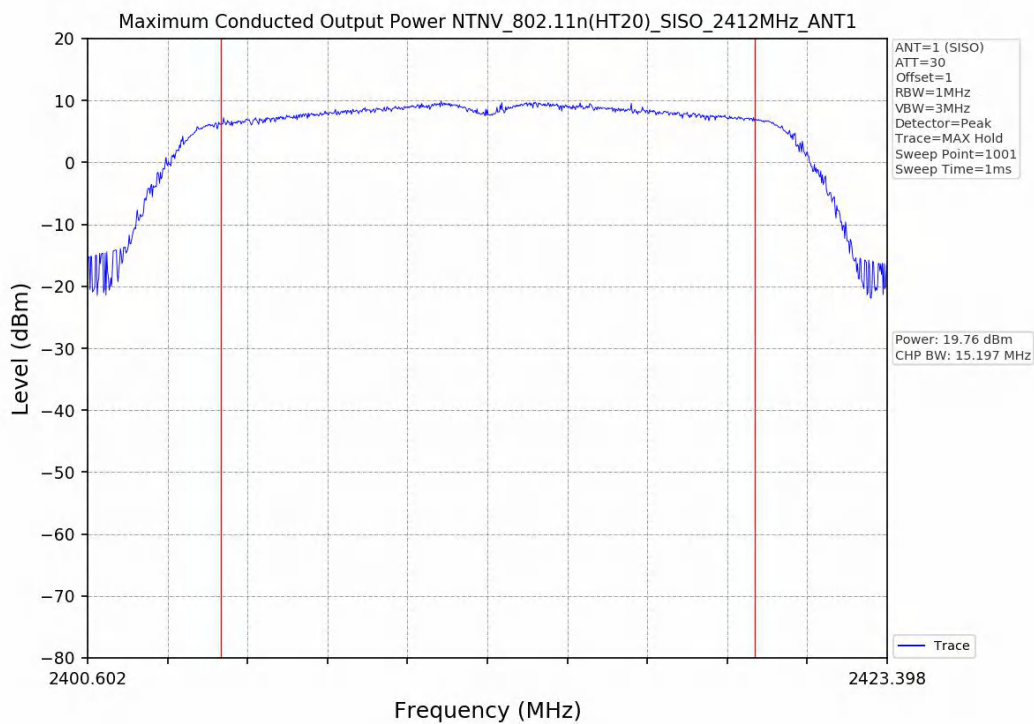
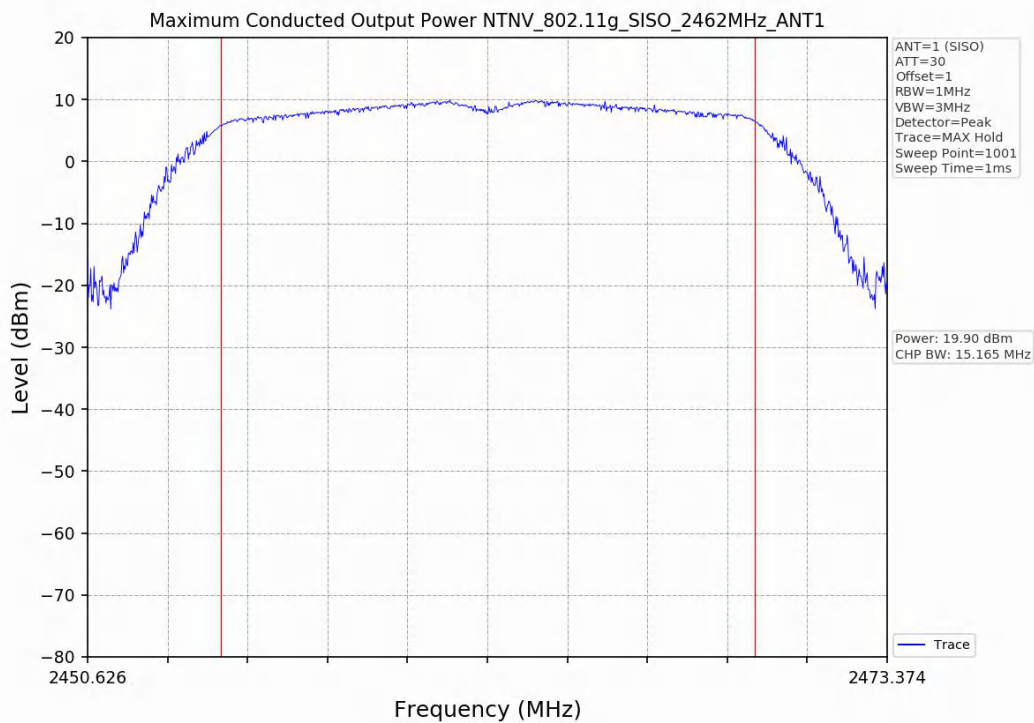
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	20.27	30	PASS
	2437	SISO	19.70	30	PASS
	2462	SISO	20.63	30	PASS
802.11g	2412	SISO	19.95	30	PASS
	2437	SISO	19.91	30	PASS
	2462	SISO	19.90	30	PASS
802.11n(HT20)	2412	SISO	19.76	30	PASS
	2437	SISO	19.73	30	PASS
	2462	SISO	19.86	30	PASS
802.11n(HT40)	2422	SISO	20.14	30	PASS
	2437	SISO	20.12	30	PASS
	2452	SISO	21.32	30	PASS

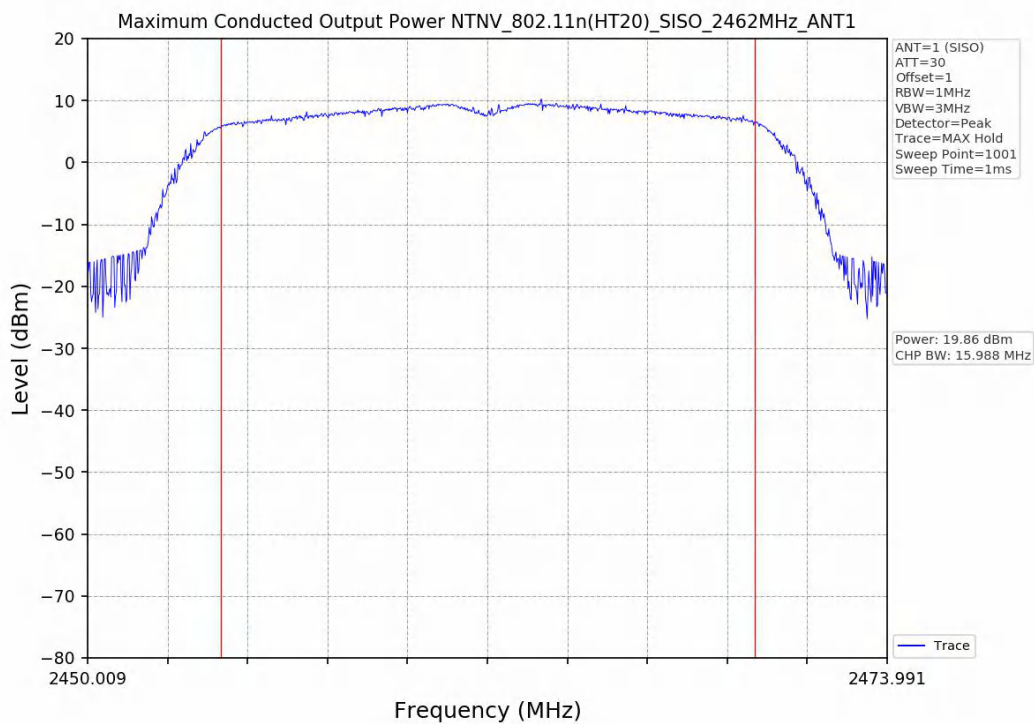
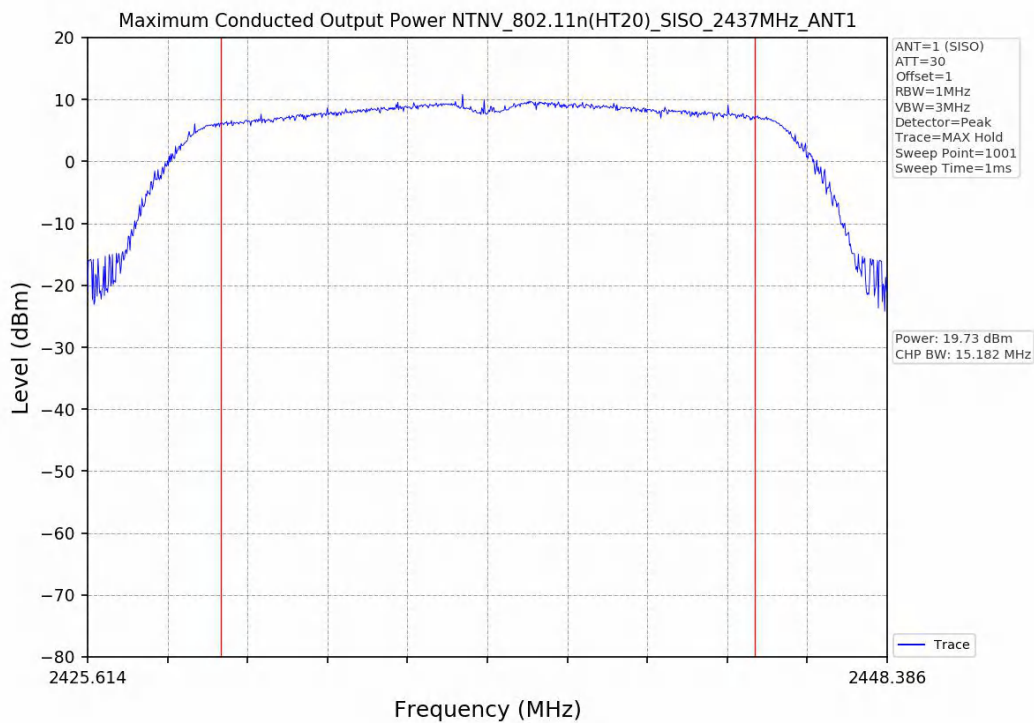
2.2 Test Graph

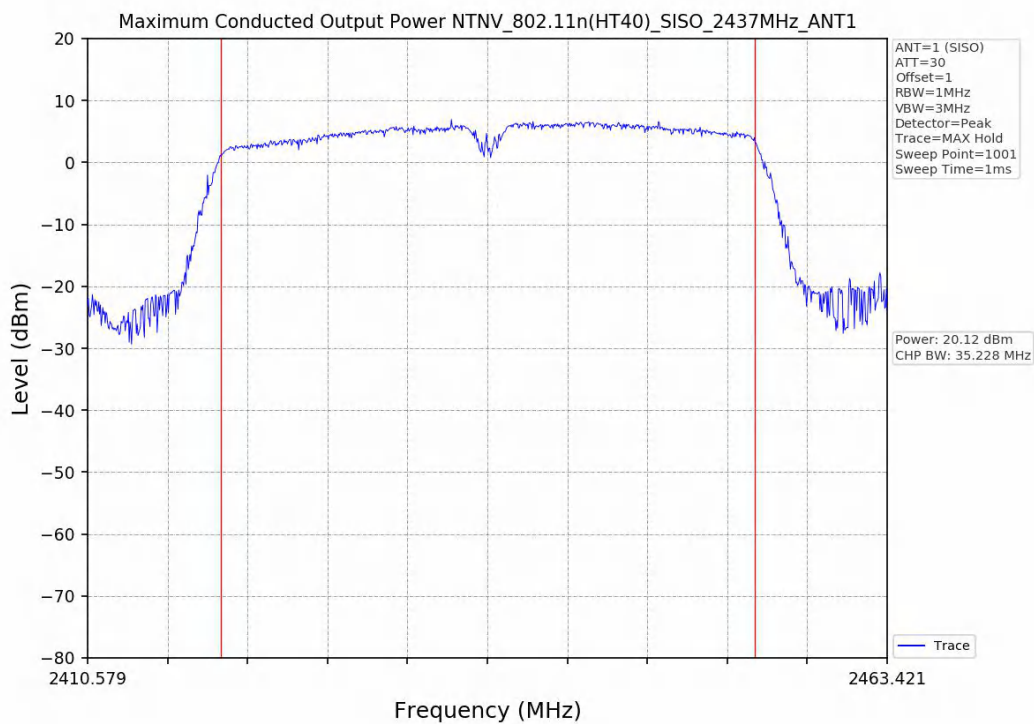
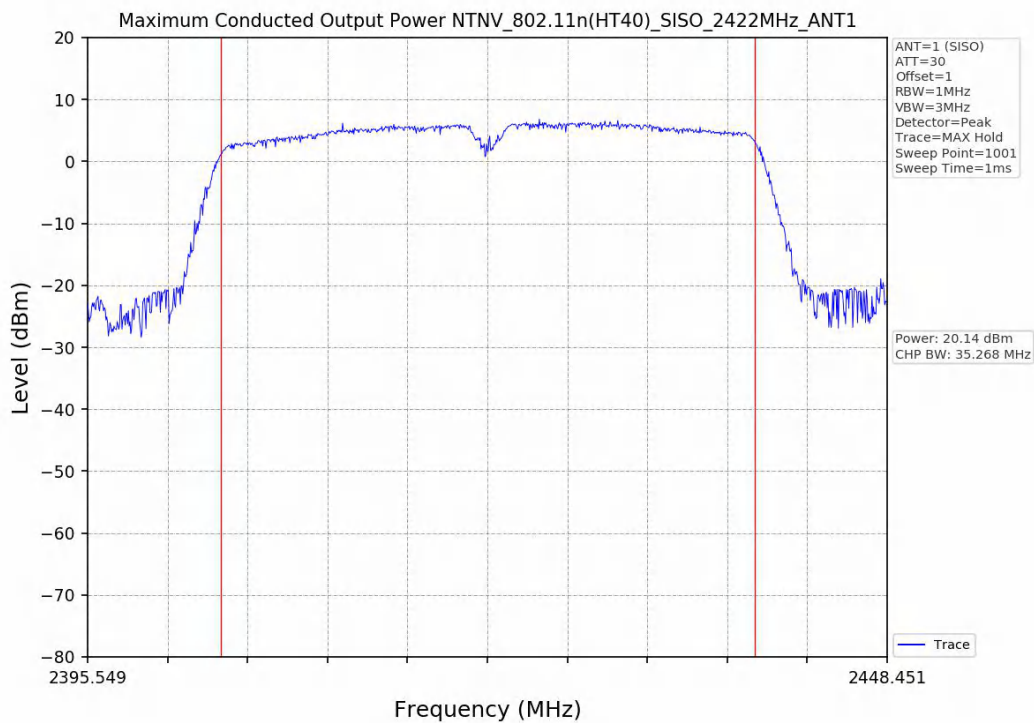


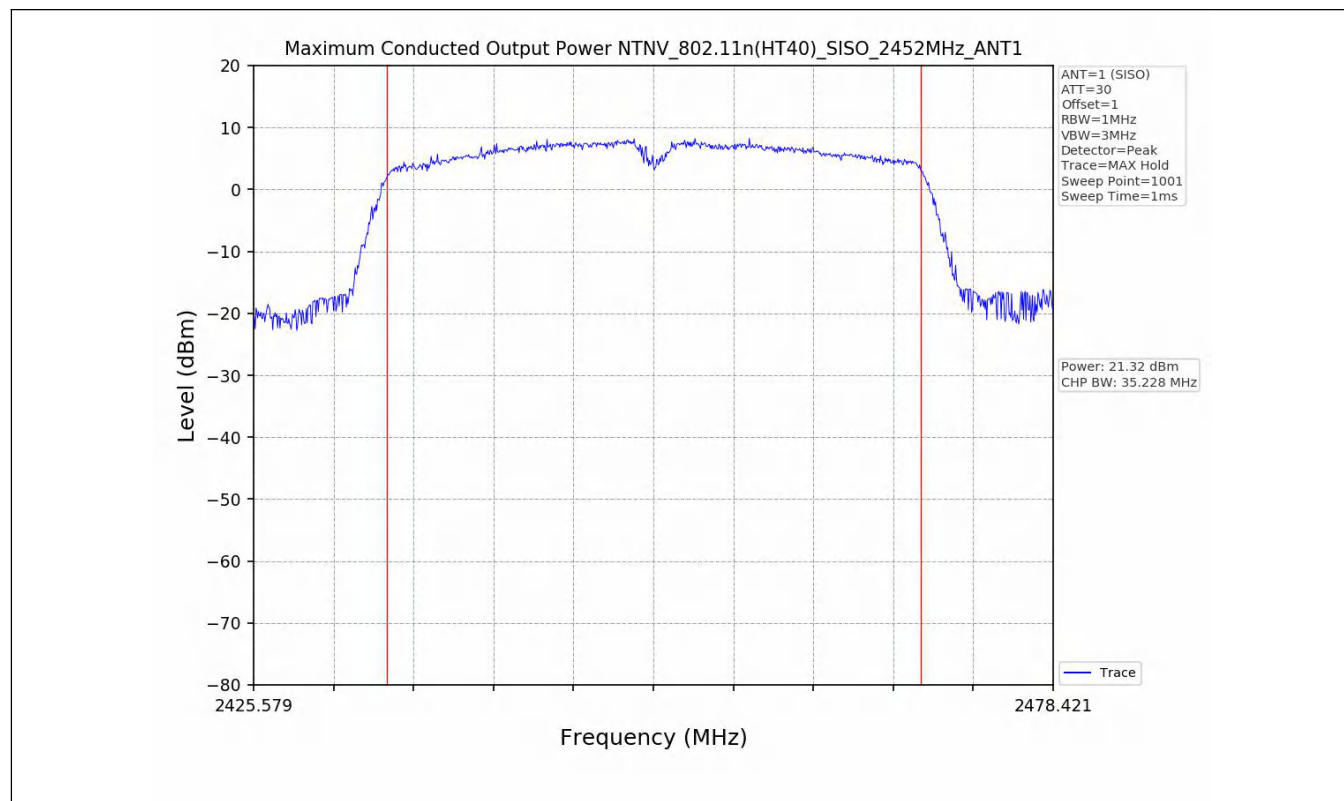










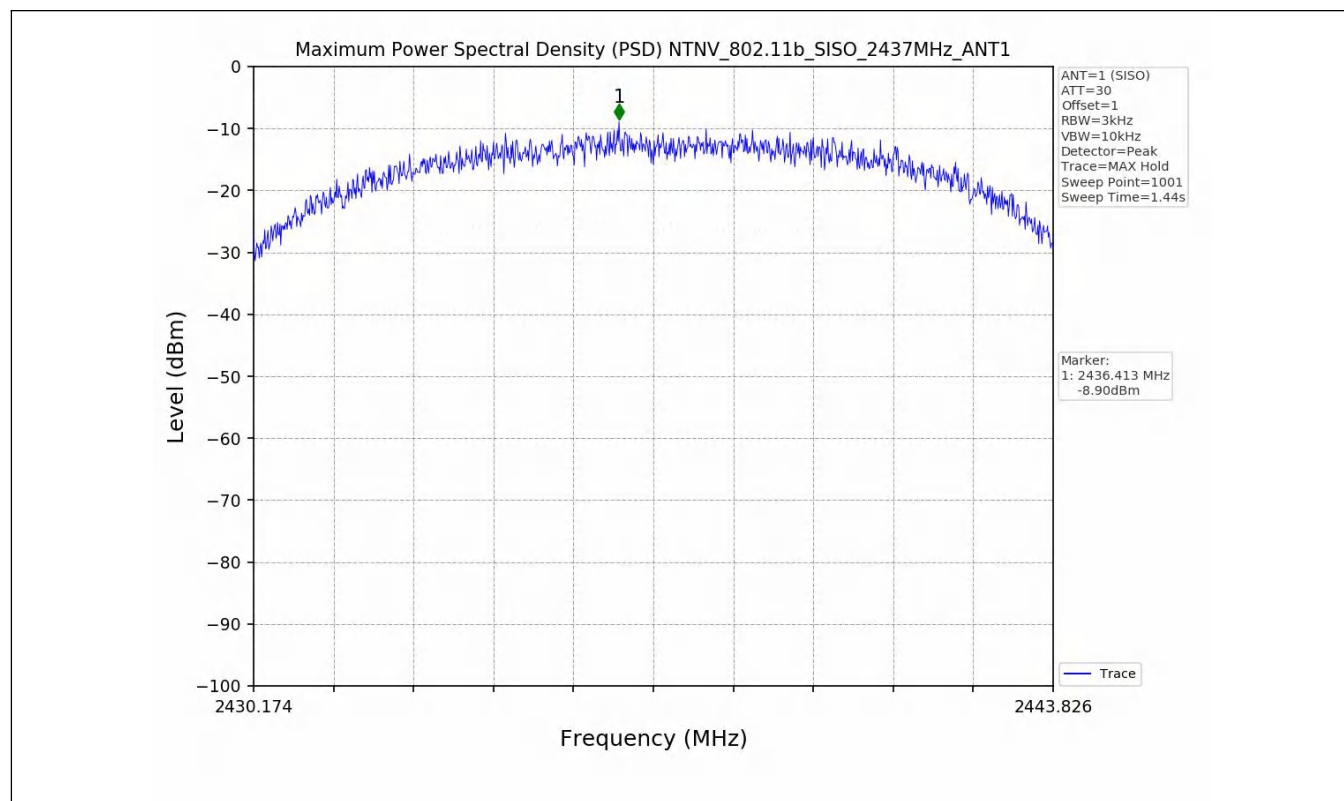
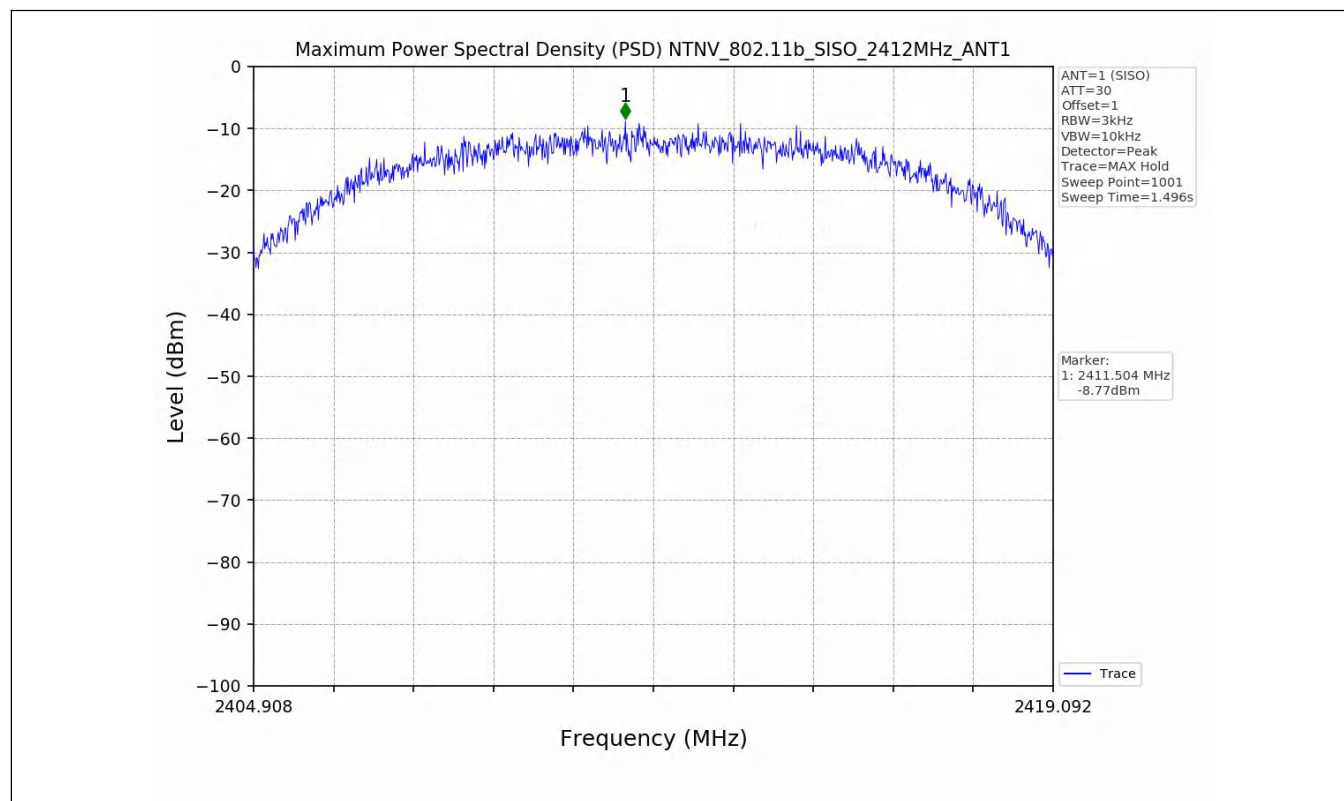


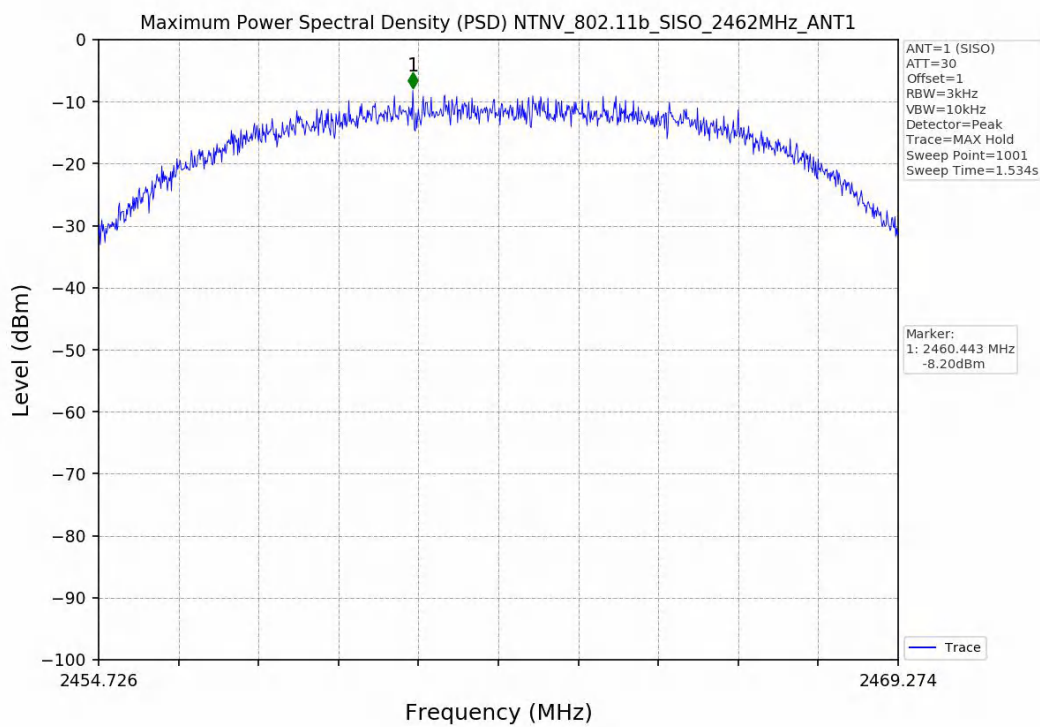
3. Maximum Power Spectral Density (PSD)

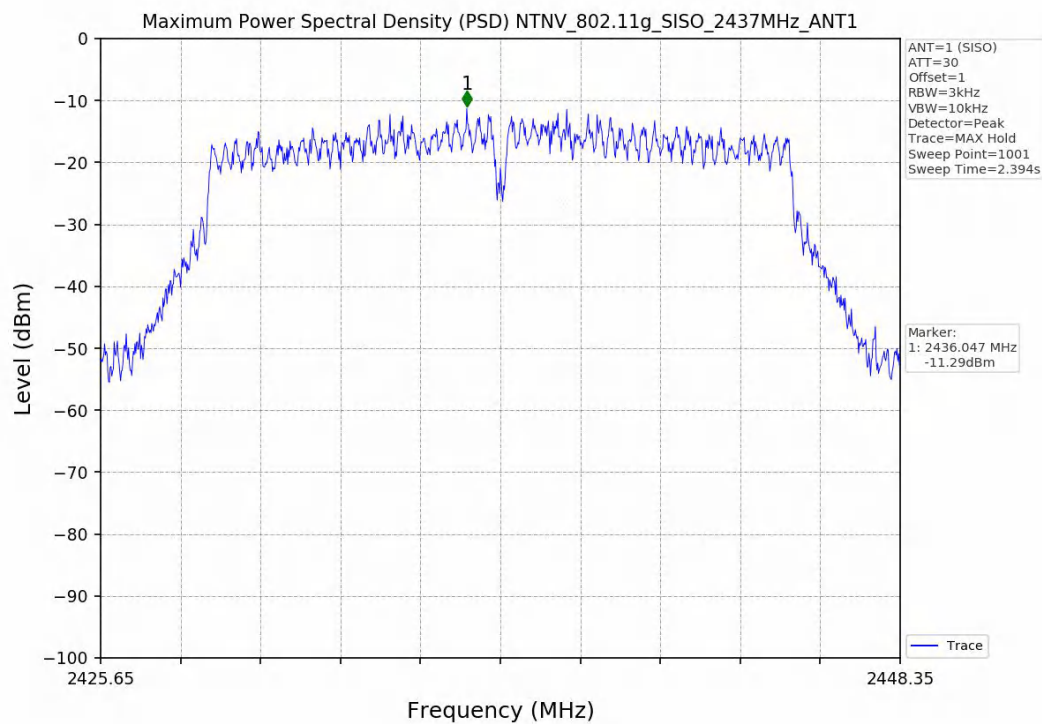
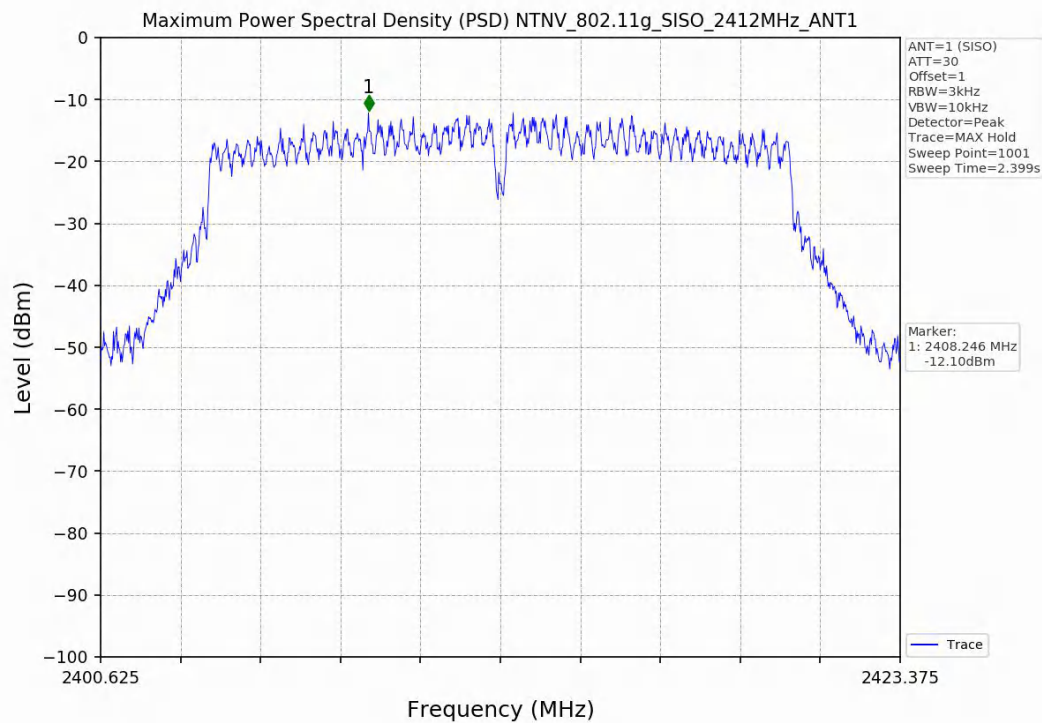
3.1 Test Result

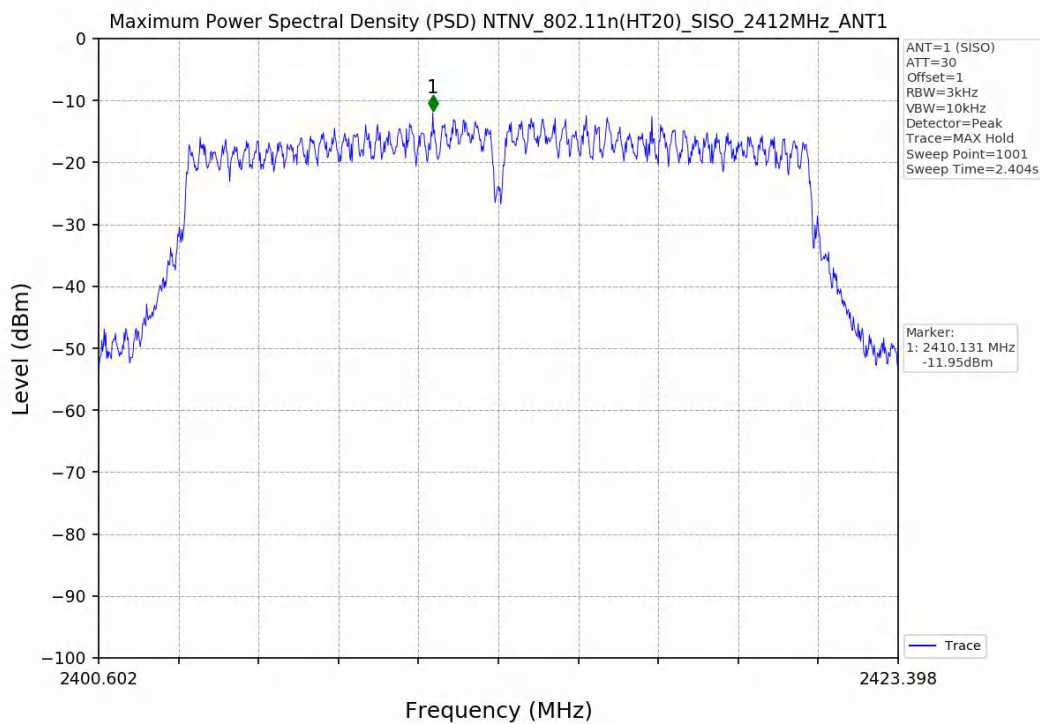
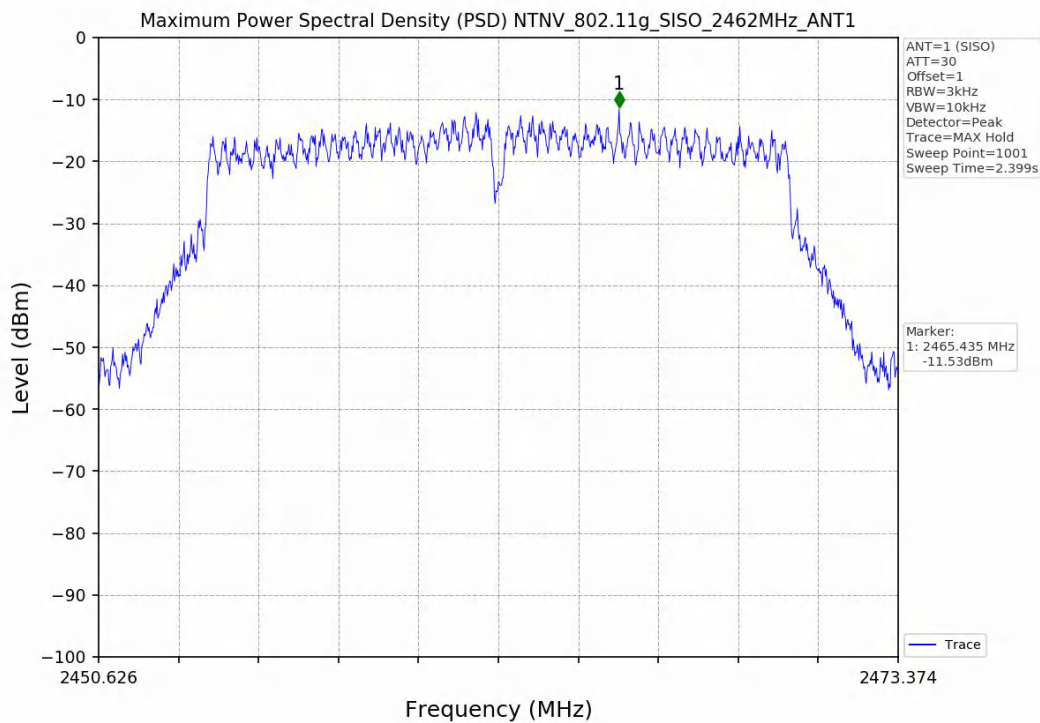
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-8.77	≤8	PASS
	2437	SISO	-8.90	≤8	PASS
	2462	SISO	-8.20	≤8	PASS
802.11g	2412	SISO	-12.10	≤8	PASS
	2437	SISO	-11.29	≤8	PASS
	2462	SISO	-11.53	≤8	PASS
802.11n(HT20)	2412	SISO	-11.95	≤8	PASS
	2437	SISO	-12.04	≤8	PASS
	2462	SISO	-11.91	≤8	PASS
802.11n(HT40)	2422	SISO	-15.55	≤8	PASS
	2437	SISO	-15.16	≤8	PASS
	2452	SISO	-12.36	≤8	PASS

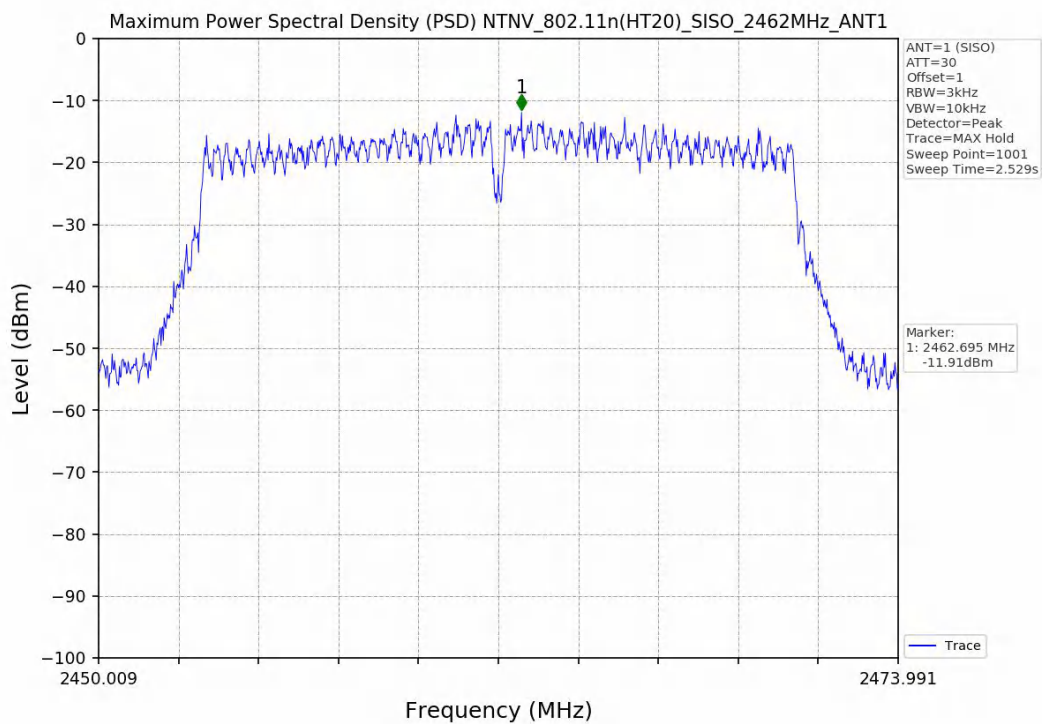
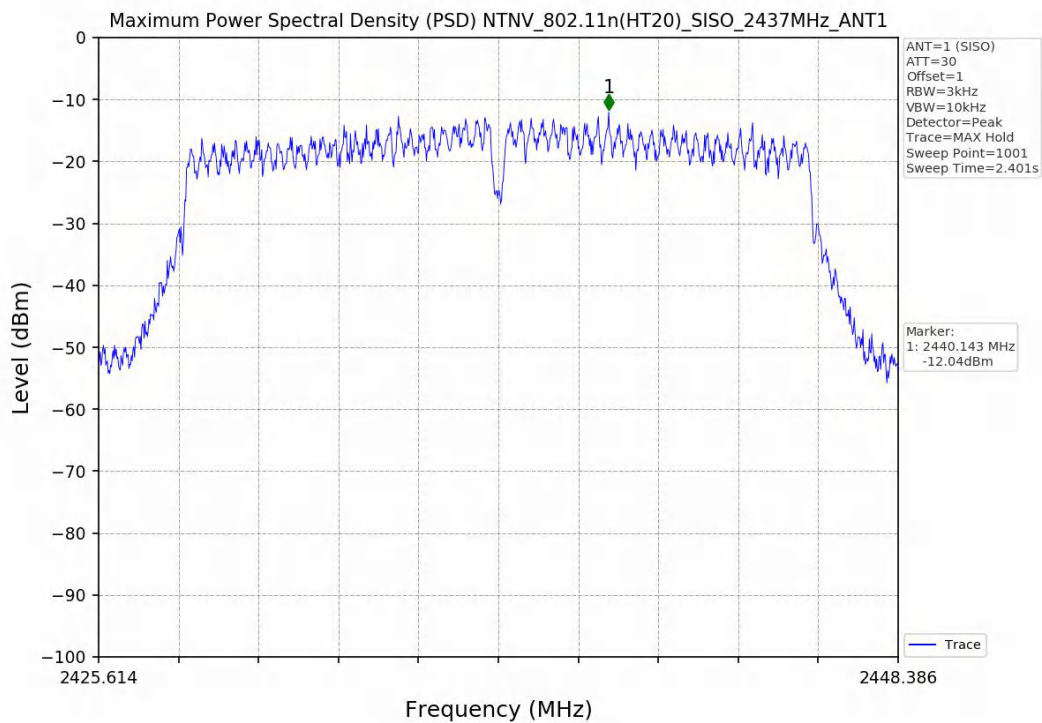
3.2 Test Graph

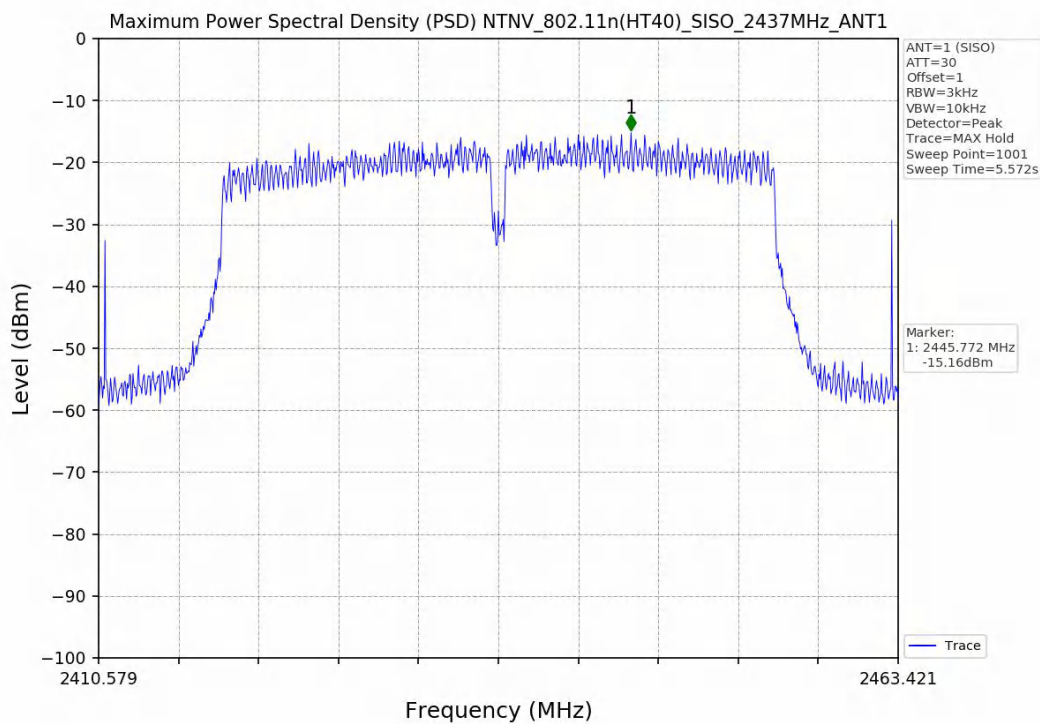
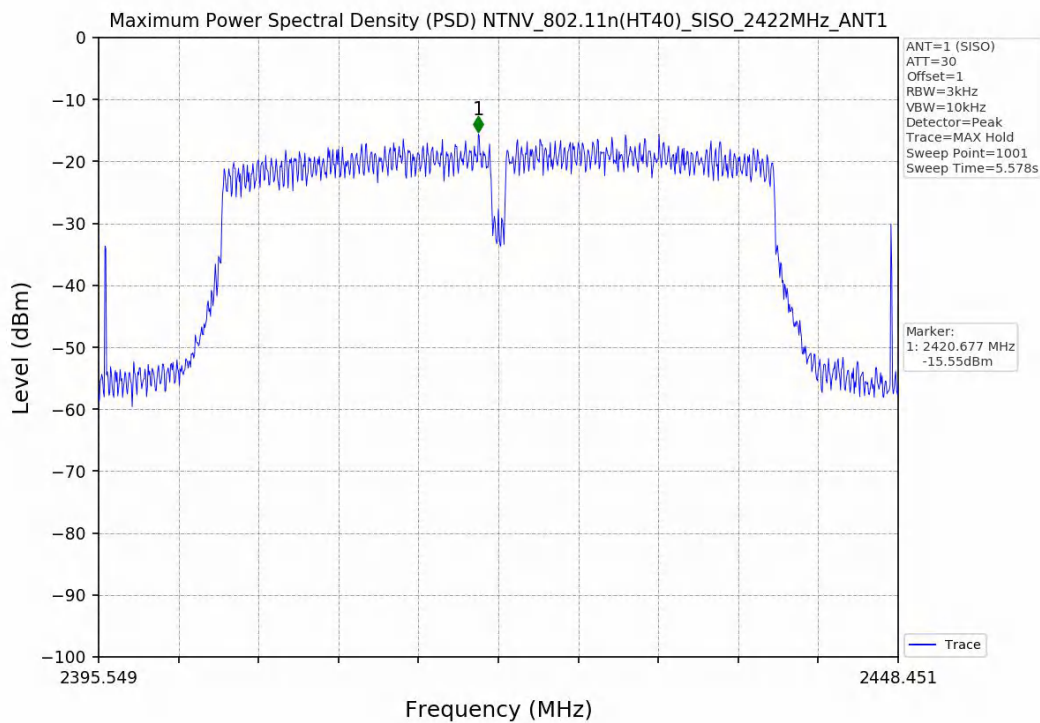


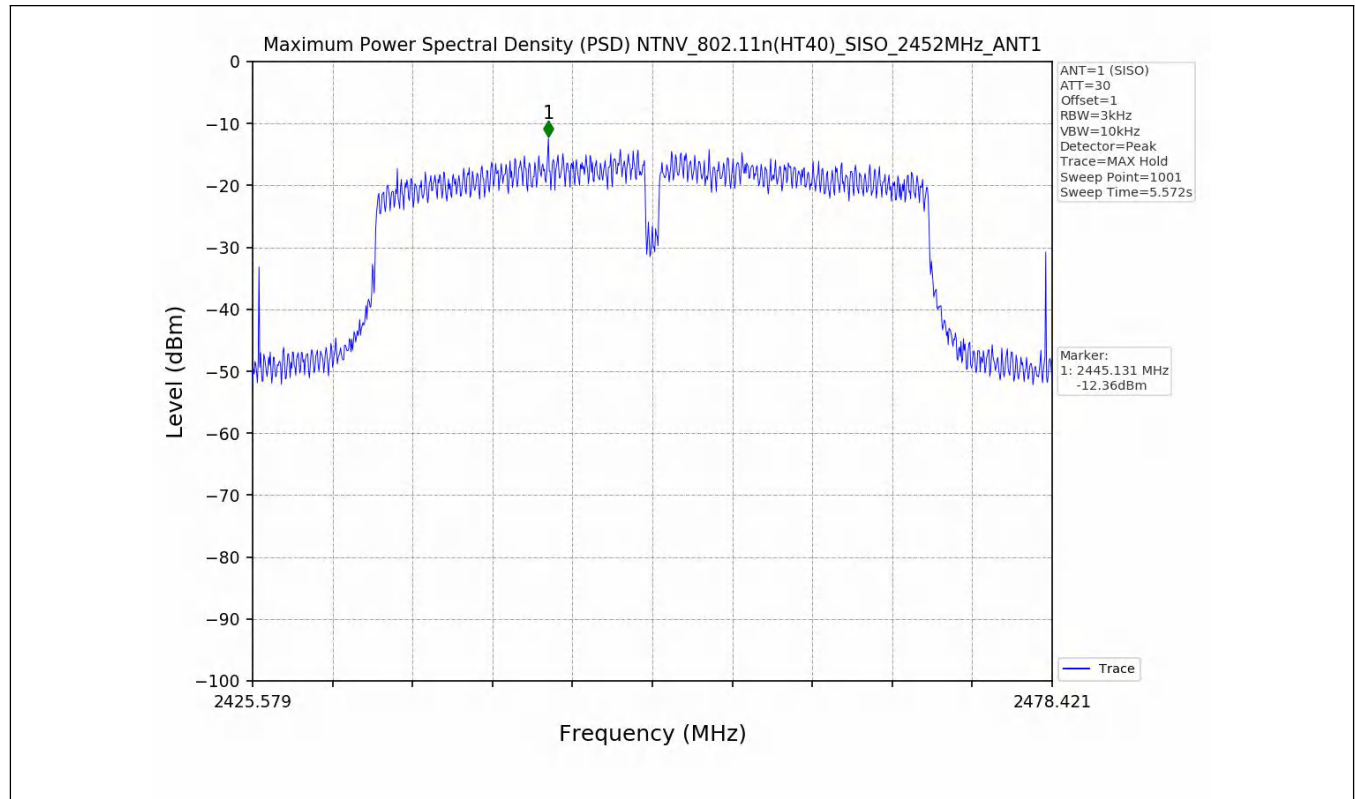












4. Unwanted Emissions in Non-restricted Frequency Bands

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	-13.73	PASS
	2437	SISO	1	Refer to test graph	-13.73	PASS
	2462	SISO	1	Refer to test graph	-13.73	PASS
802.11g	2412	SISO	1	Refer to test graph	-17.30	PASS
	2437	SISO	1	Refer to test graph	-17.30	PASS
	2462	SISO	1	Refer to test graph	-17.30	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-17.24	PASS
	2437	SISO	1	Refer to test graph	-17.24	PASS
	2462	SISO	1	Refer to test graph	-17.24	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-19.45	PASS
	2437	SISO	1	Refer to test graph	-19.45	PASS

	2452	SISO	1	Refer to test graph	-19.45	PASS
--	------	------	---	---------------------	--------	------

4.2 Test Graph

