



Shenzhen CTL Testing Technology Co., Ltd.

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

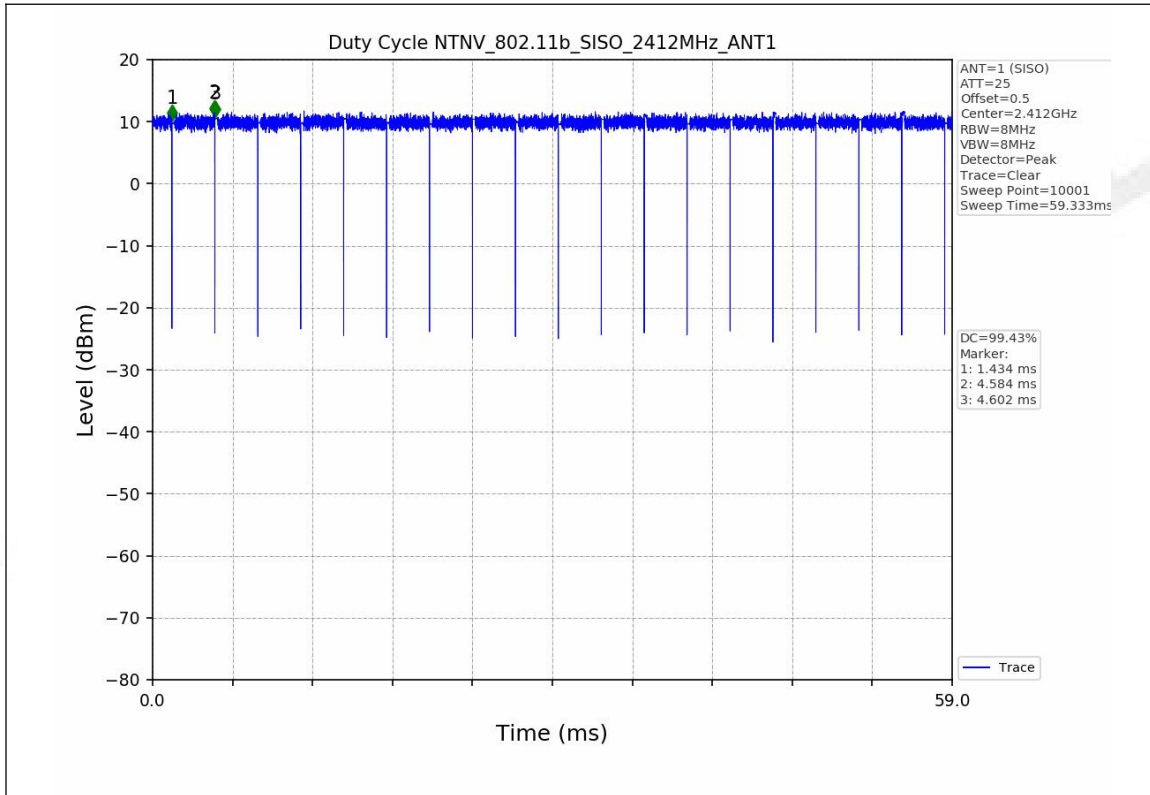
Appendix for 15.247

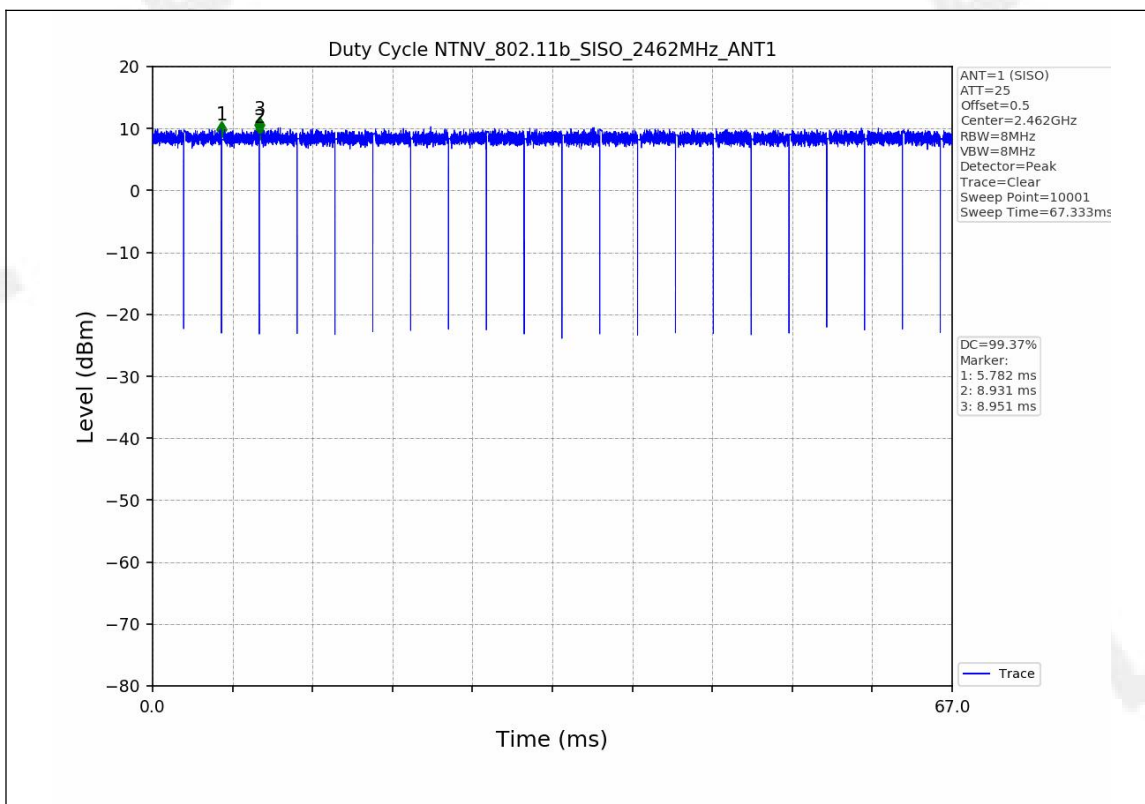
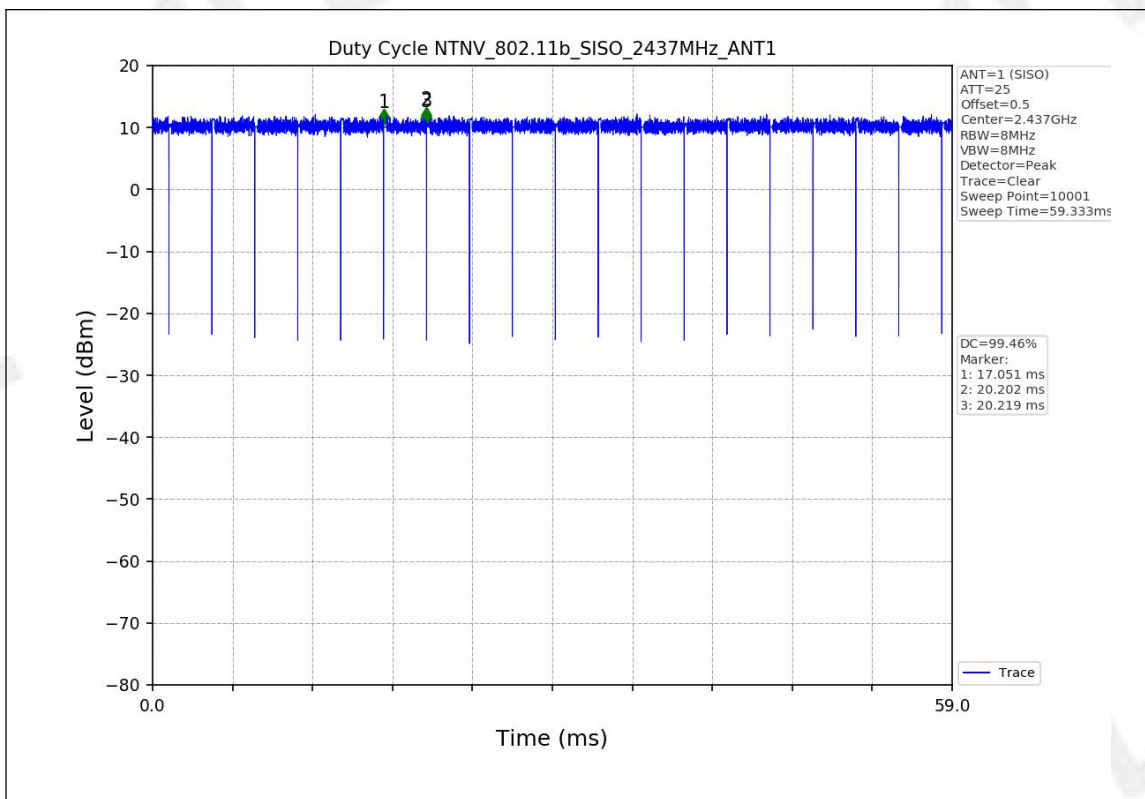
1. Duty Cycle

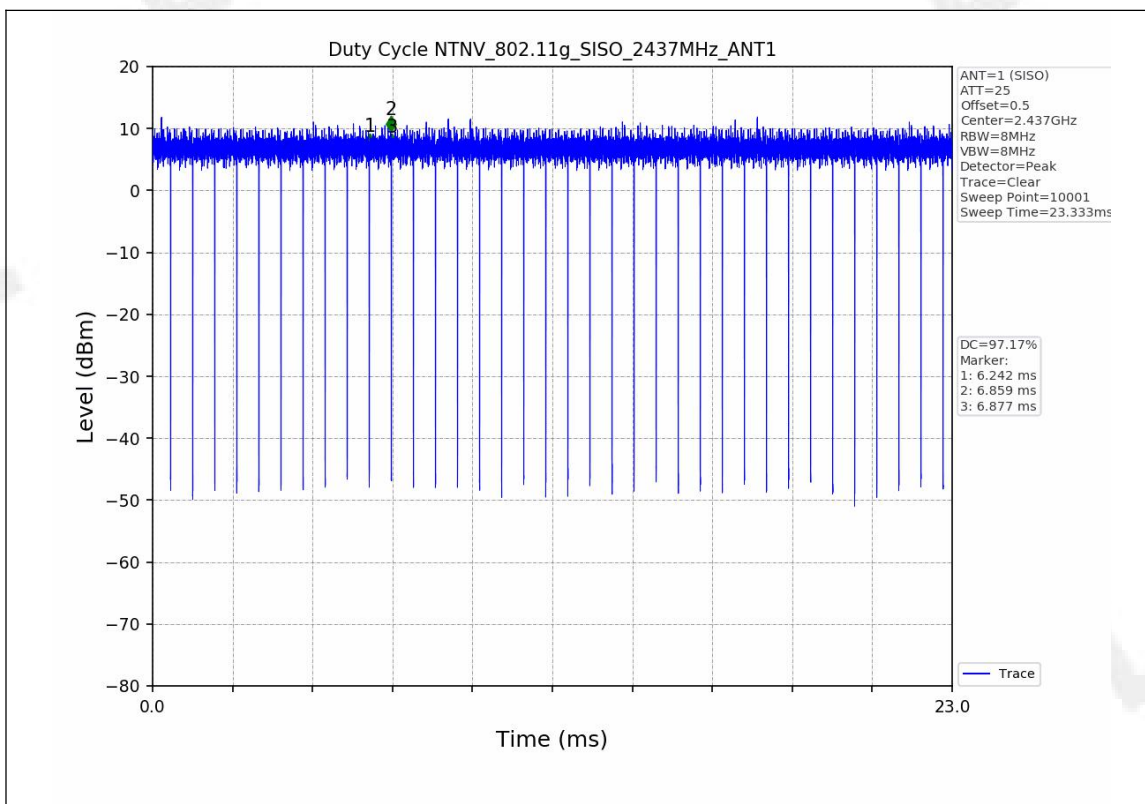
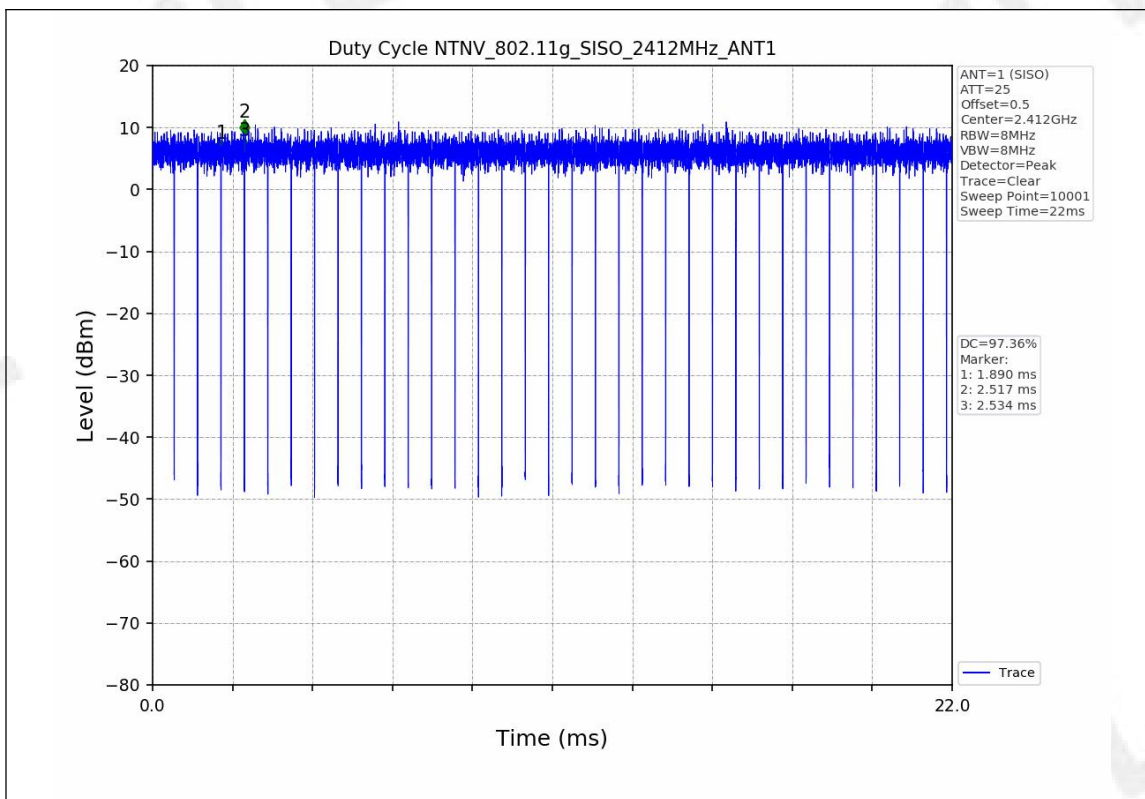
1.1 Test Result

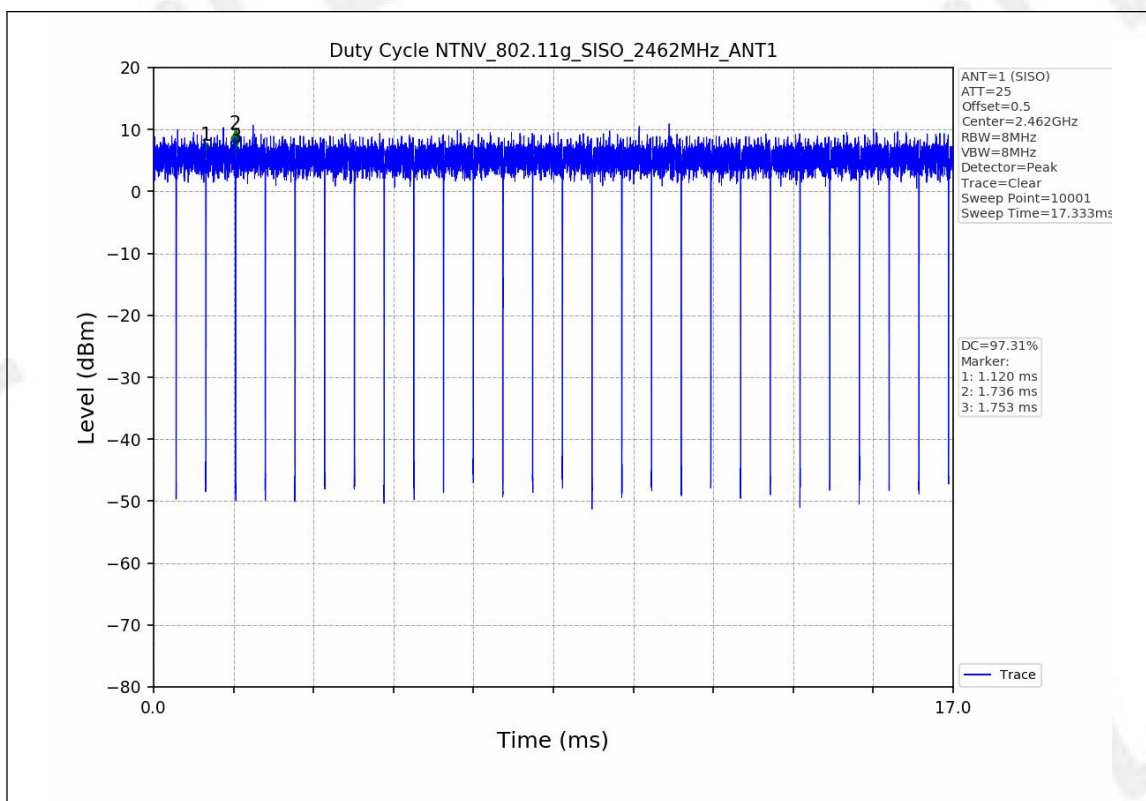
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	3.150	3.168	99.43	0.02
	2437	SISO	1	3.151	3.168	99.46	0.02
	2462	SISO	1	3.149	3.169	99.37	0.03
802.11g	2412	SISO	1	0.627	0.644	97.36	0.12
	2437	SISO	1	0.617	0.635	97.17	0.12
	2462	SISO	1	0.616	0.633	97.31	0.12

1.2 Test Graph









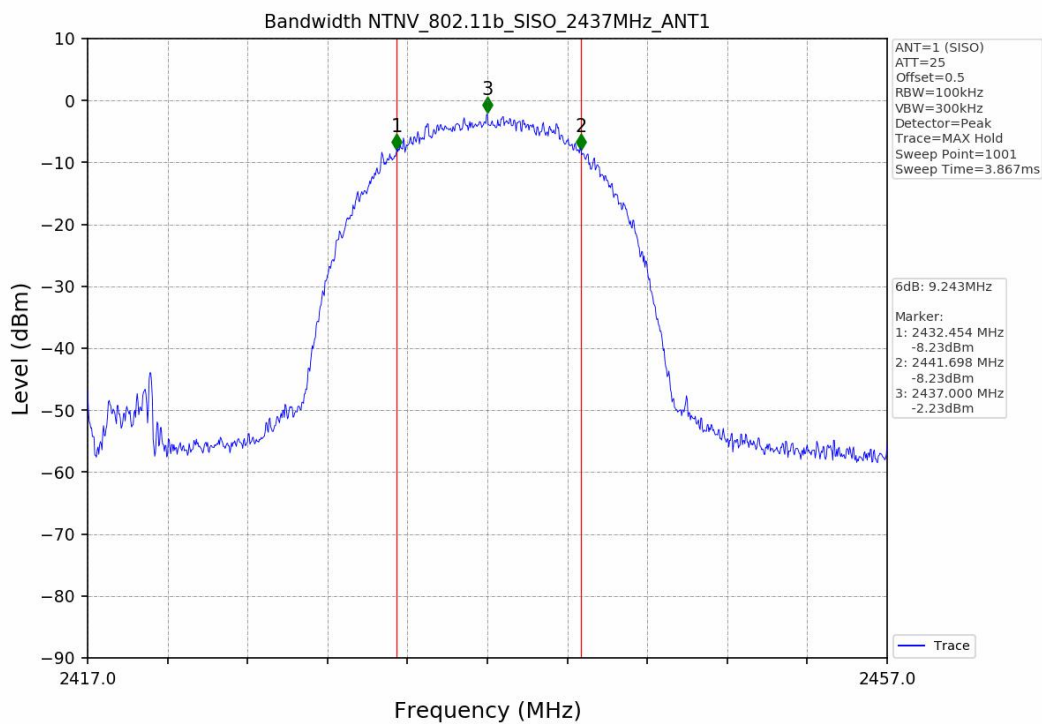
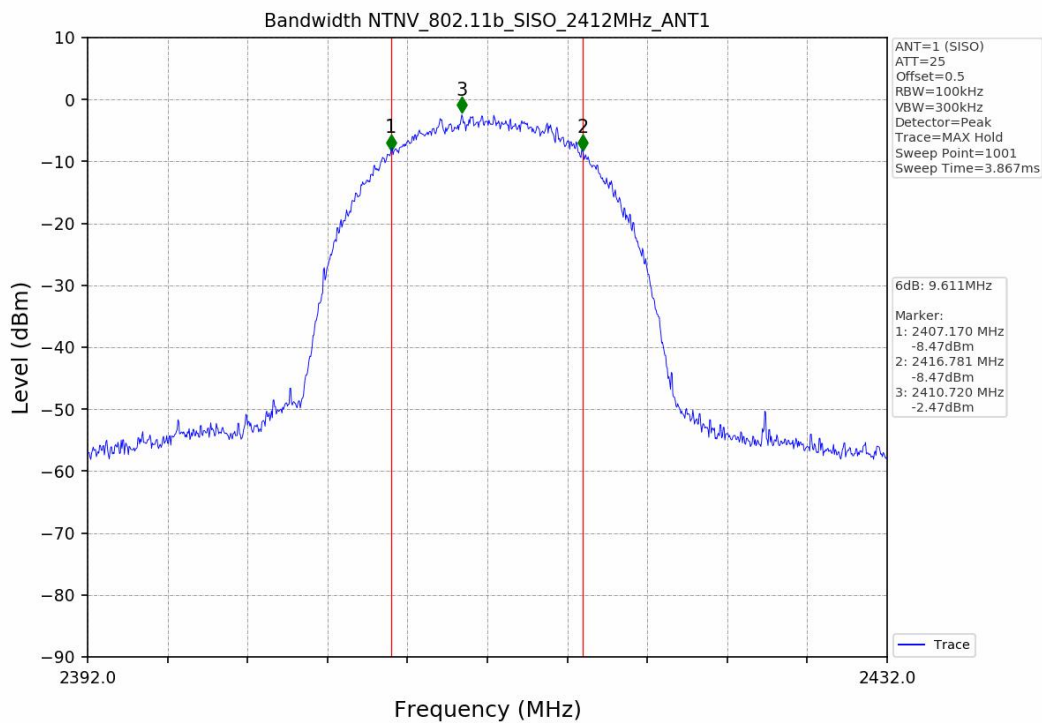
2. Bandwidth

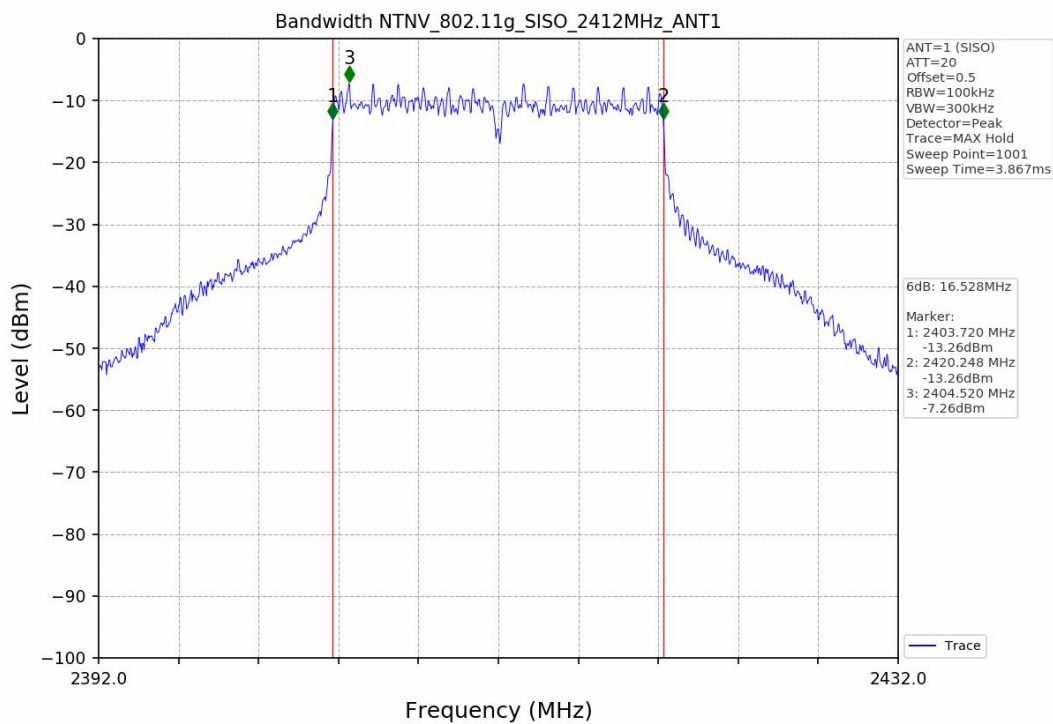
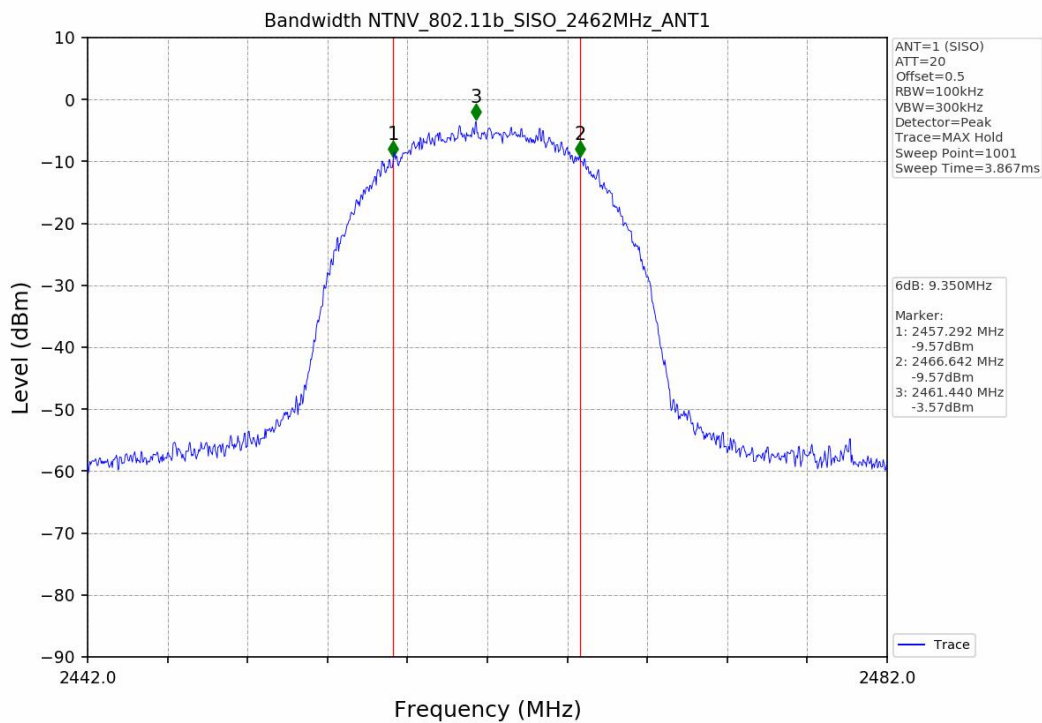
2.1 Test Result

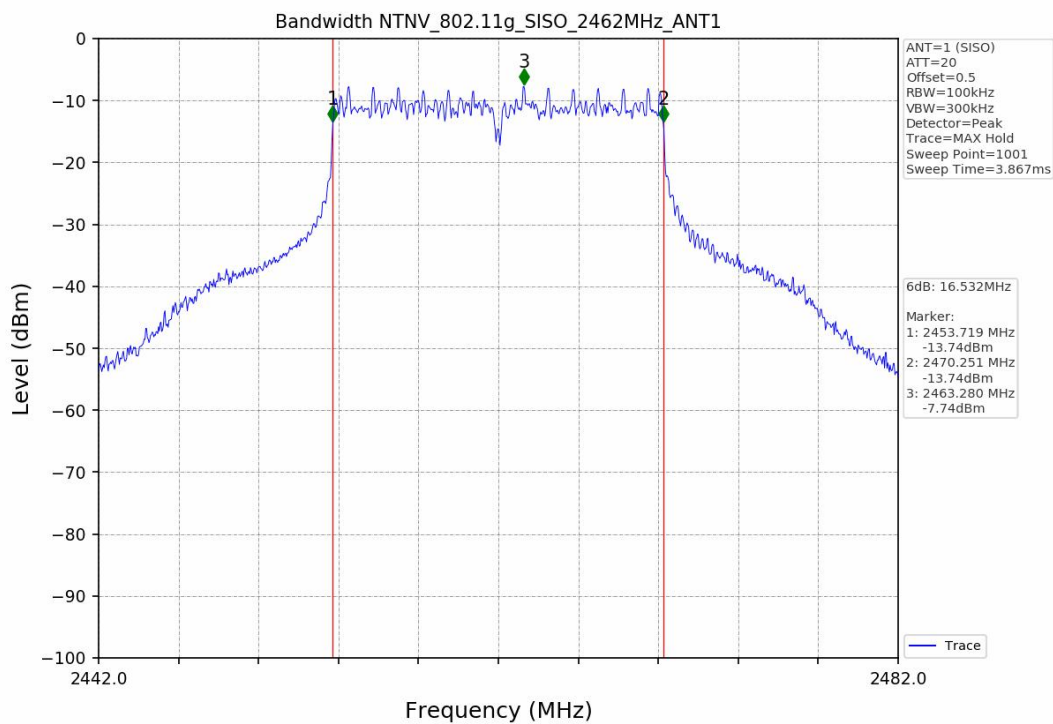
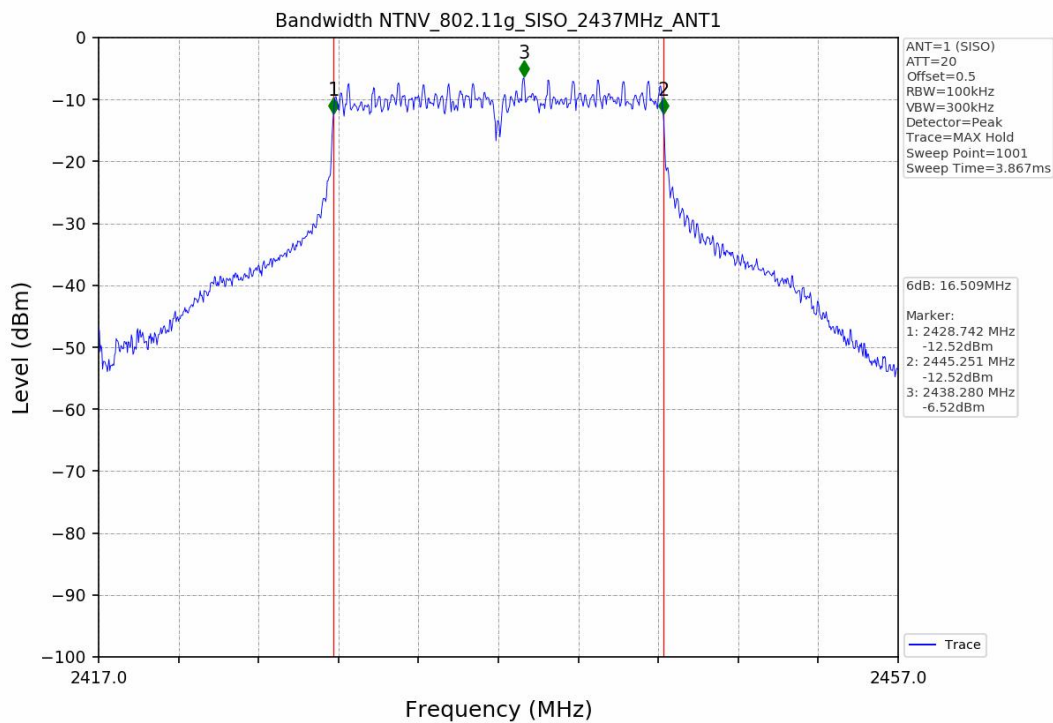
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	9.611	≥0.5	PASS
	2437	SISO	1	9.243	≥0.5	PASS
	2462	SISO	1	9.350	≥0.5	PASS
802.11g	2412	SISO	1	16.528	≥0.5	PASS
	2437	SISO	1	16.509	≥0.5	PASS
	2462	SISO	1	16.532	≥0.5	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	13.008	Only for Report Use
	2437	SISO	1	12.916	Only for Report Use
	2462	SISO	1	13.016	Only for Report Use
802.11g	2412	SISO	1	17.135	Only for Report Use
	2437	SISO	1	17.040	Only for Report Use
	2462	SISO	1	17.130	Only for Report Use

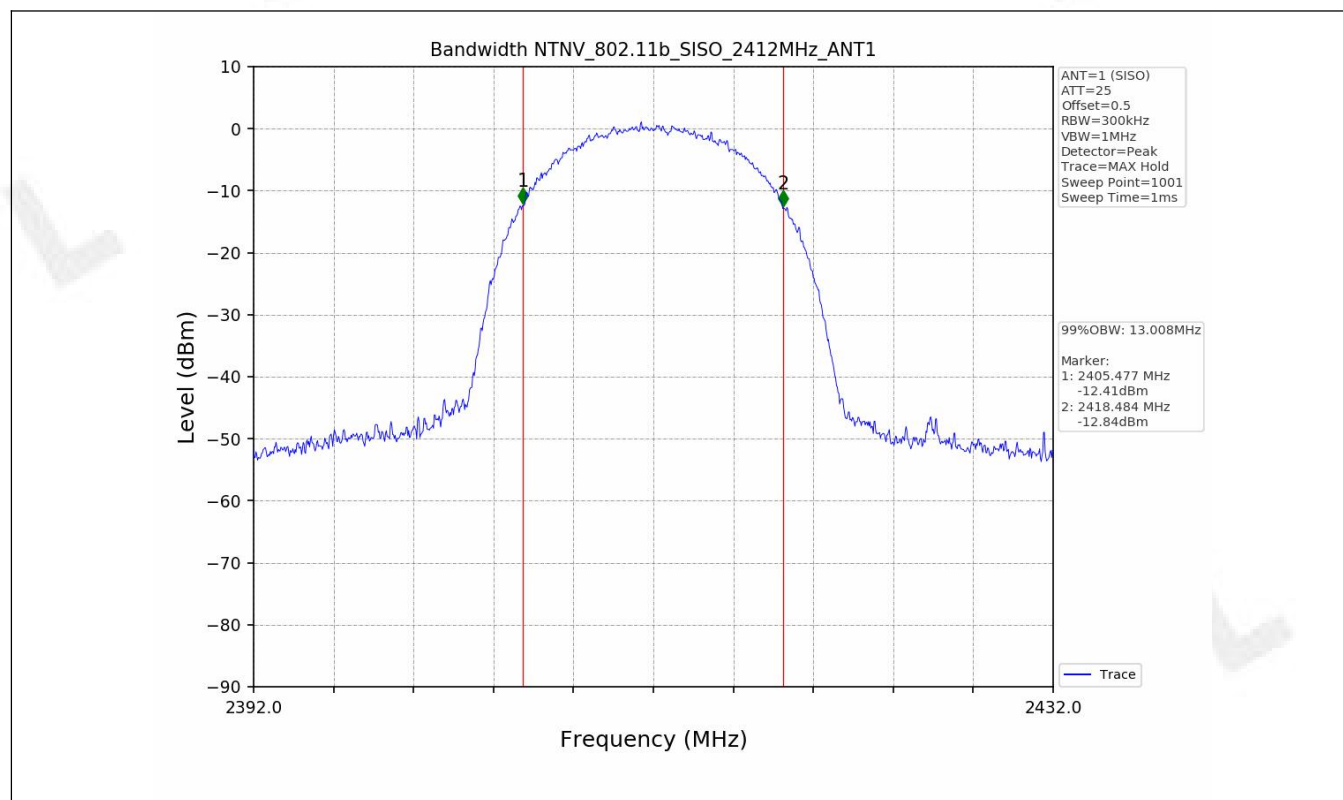
2.2 Test Graph - 6dB Bandwidth

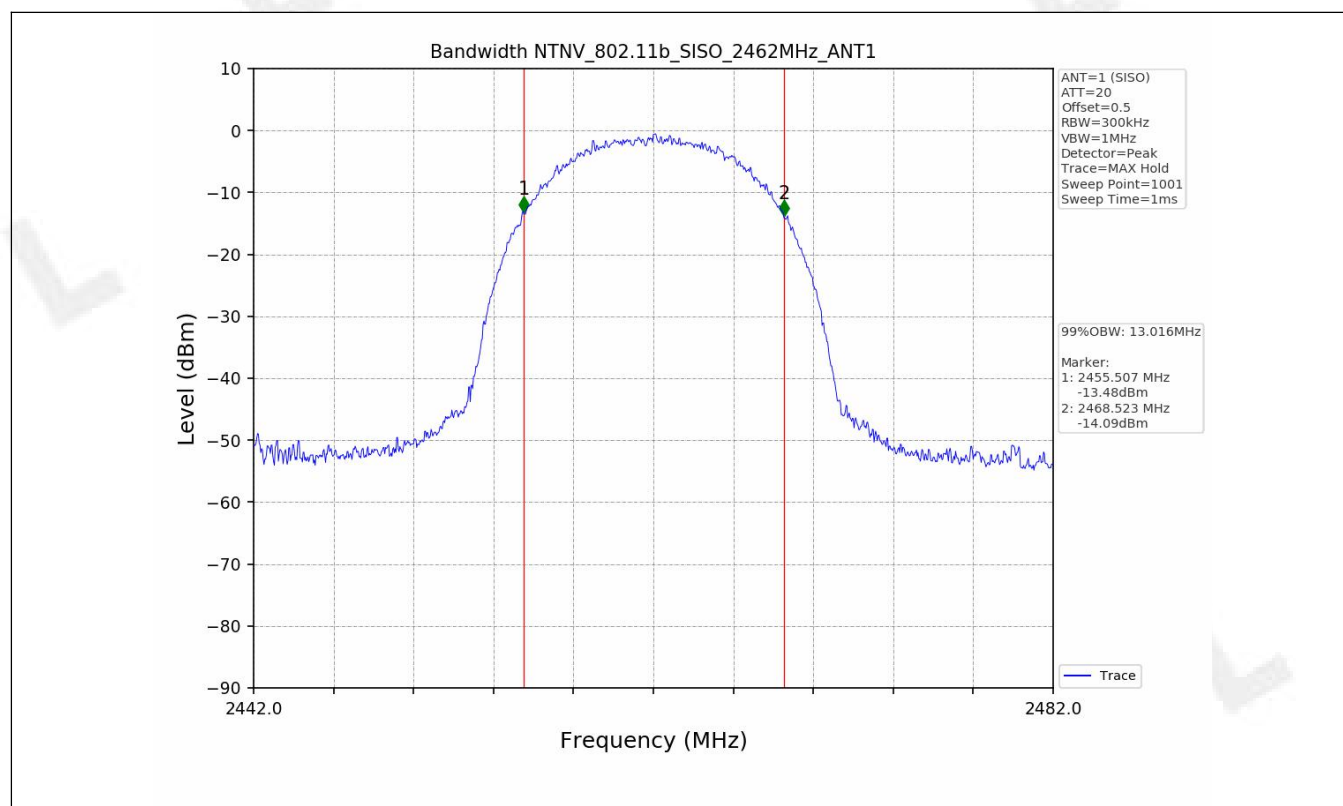
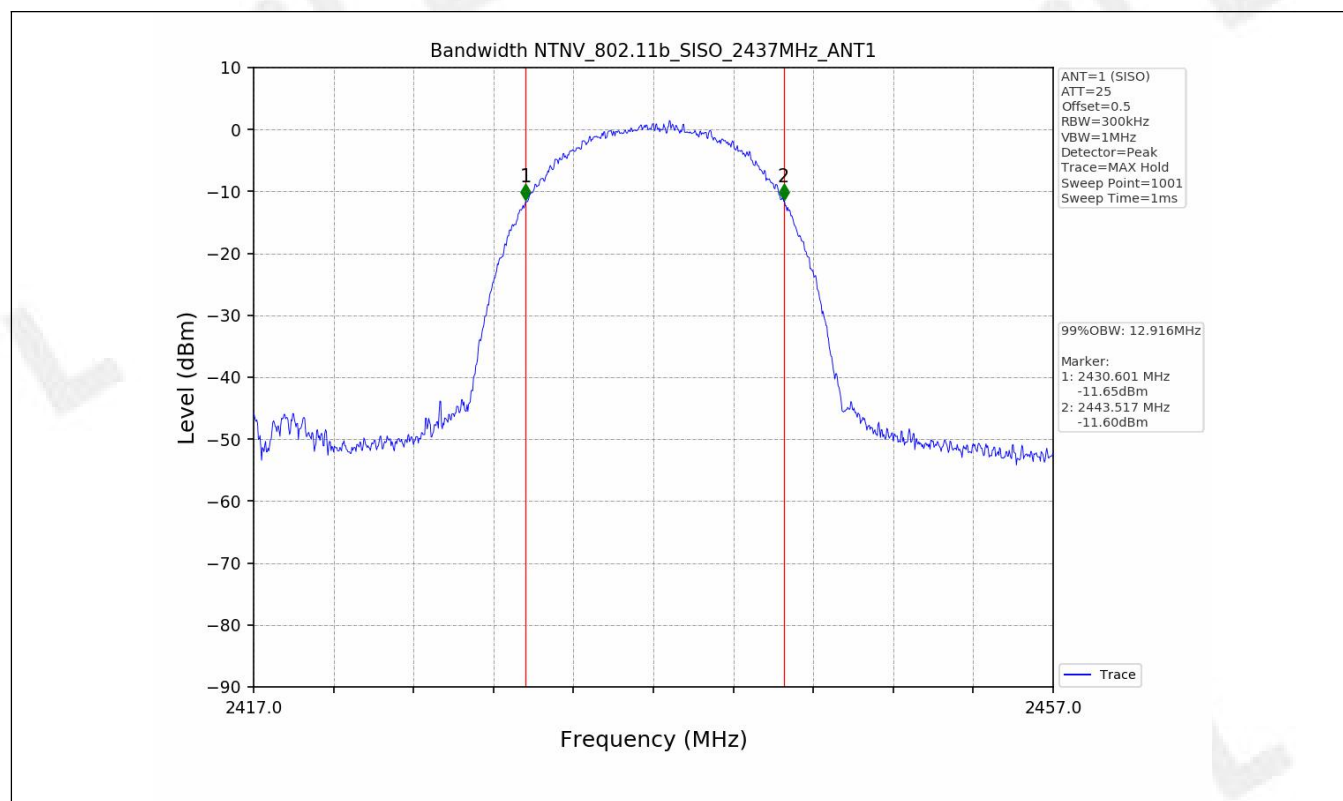


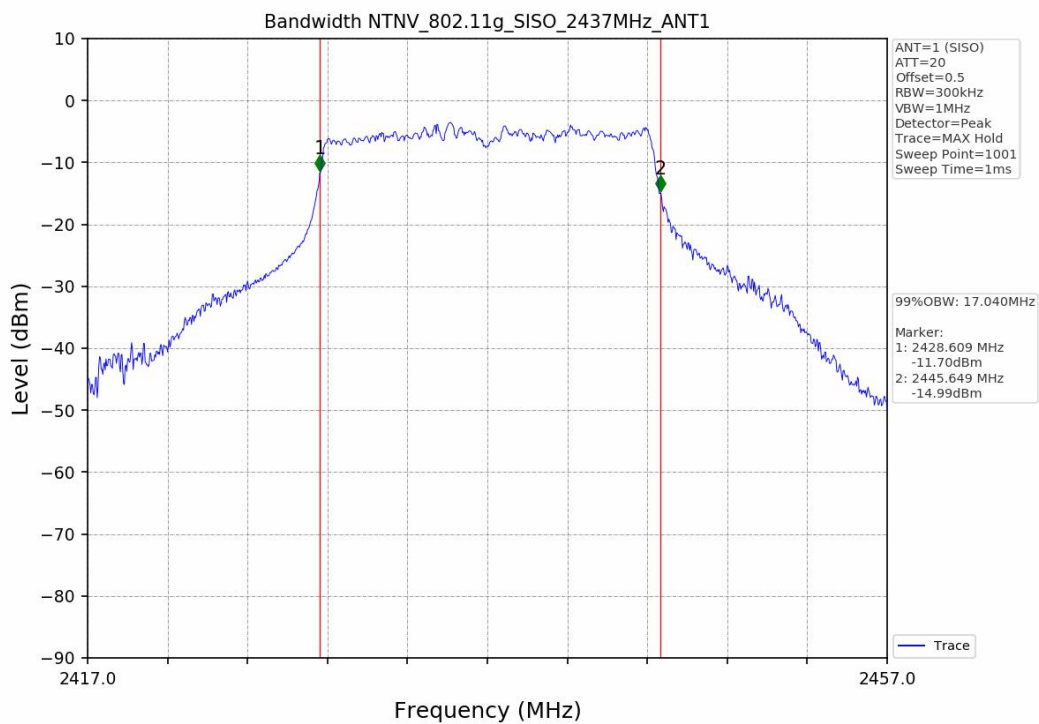
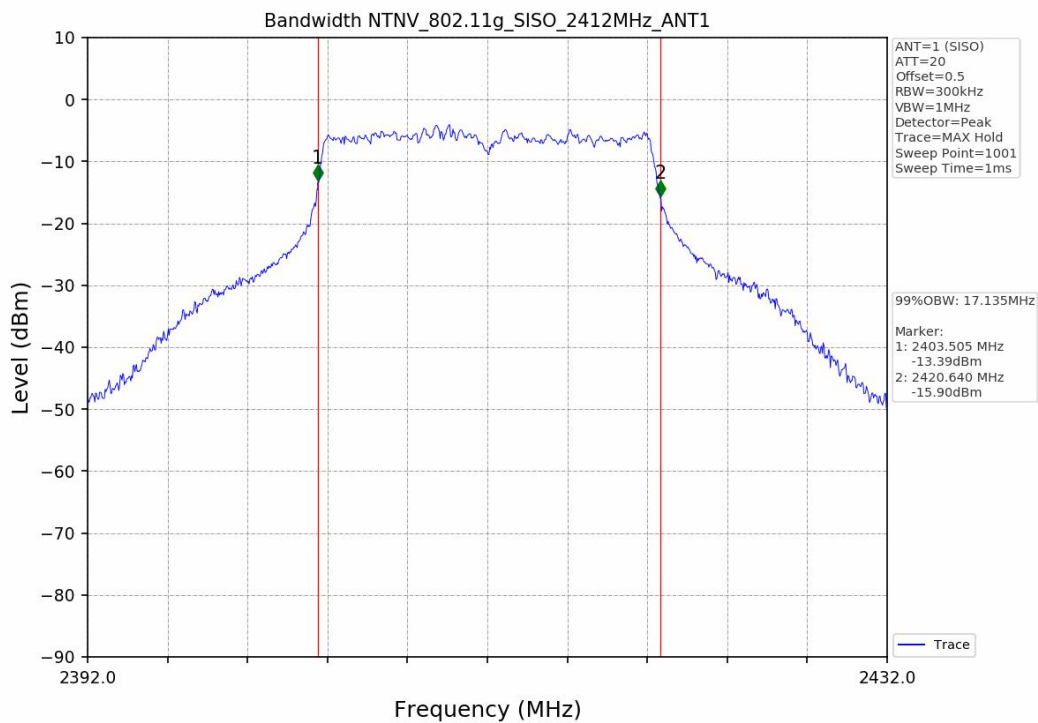


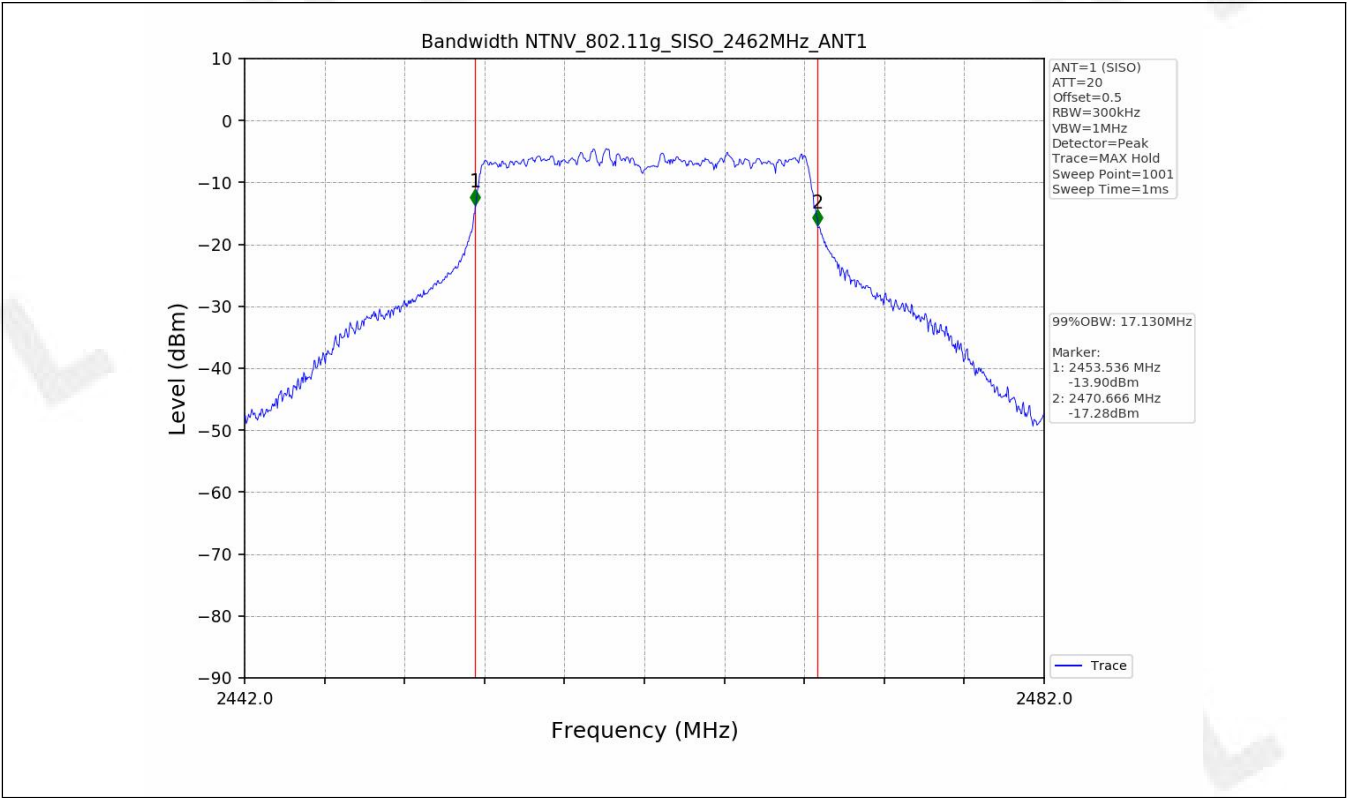


2.3 Test Graph - 99% Occupied Bandwidth







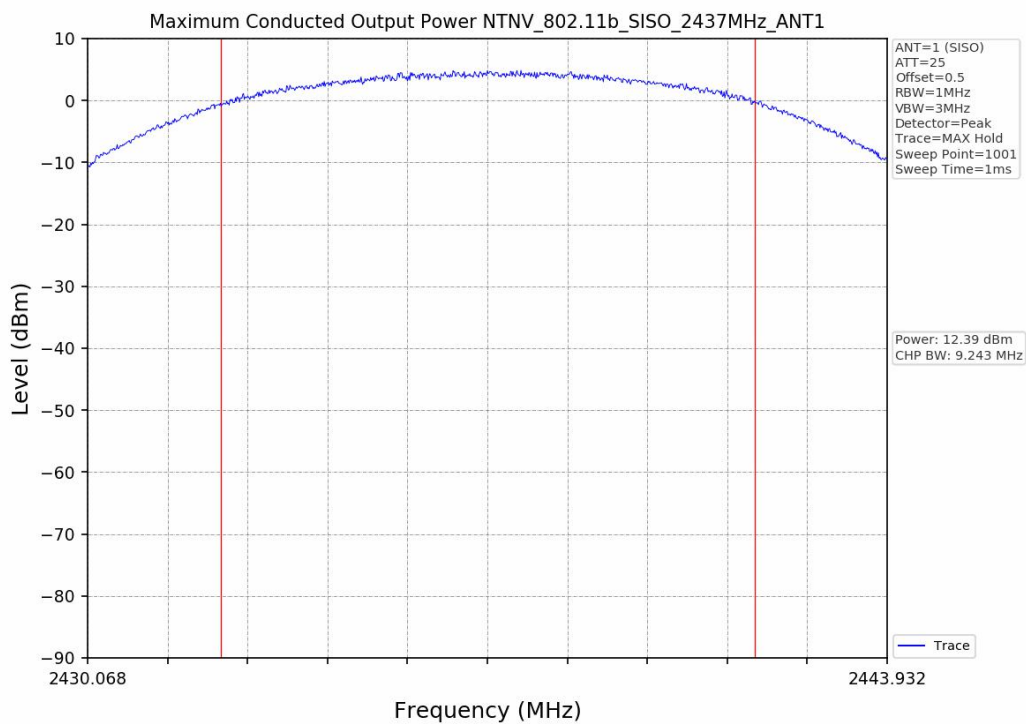
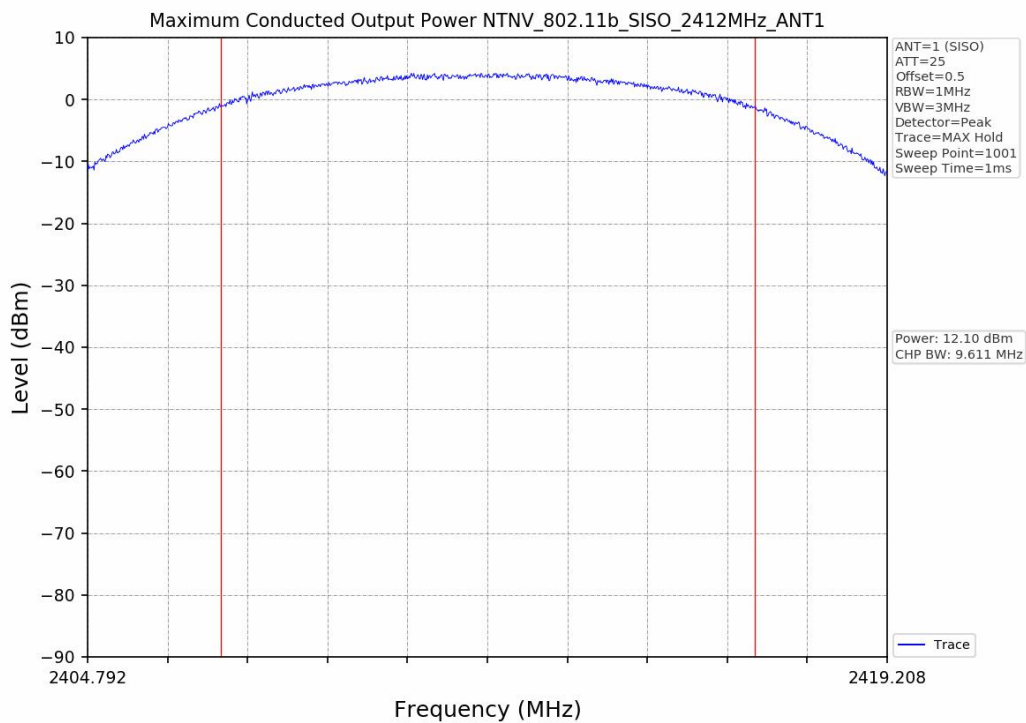


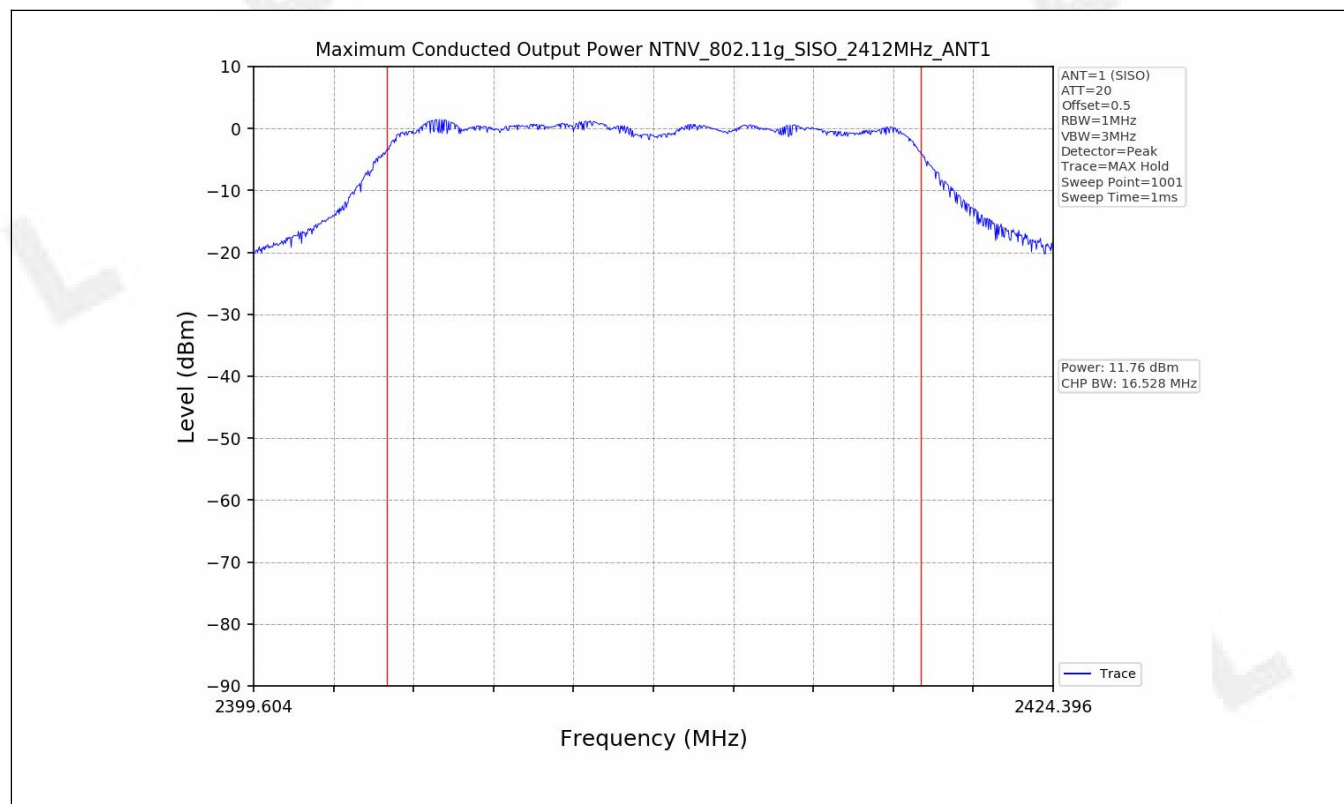
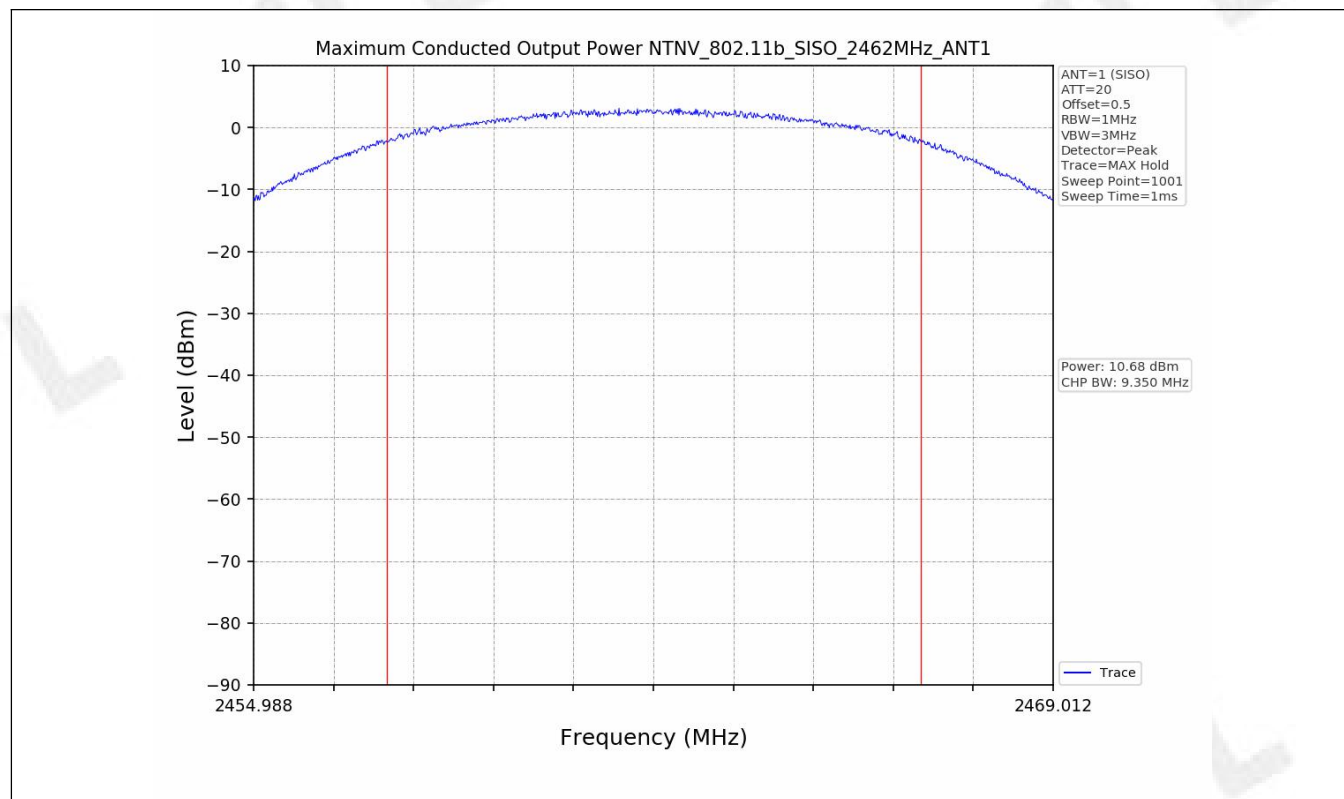
3. Maximum Conducted Output Power

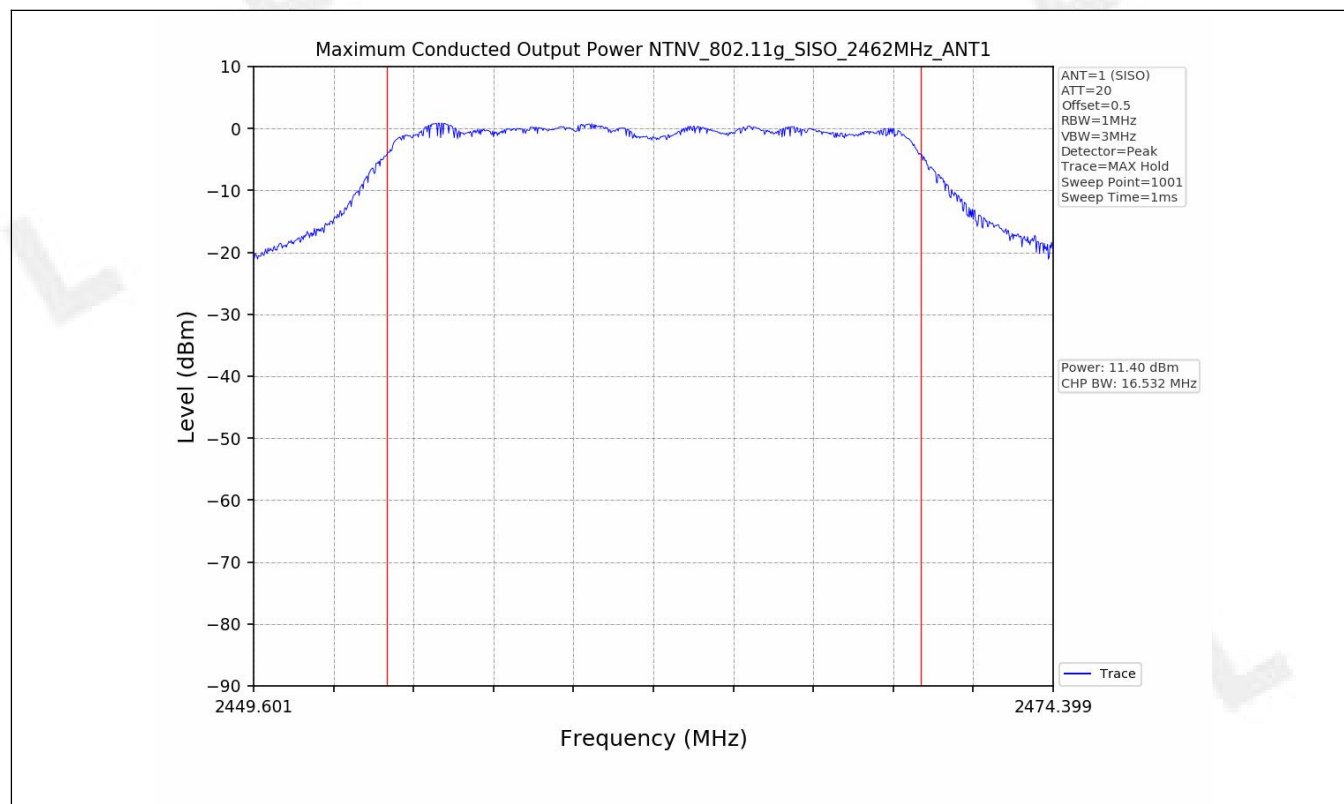
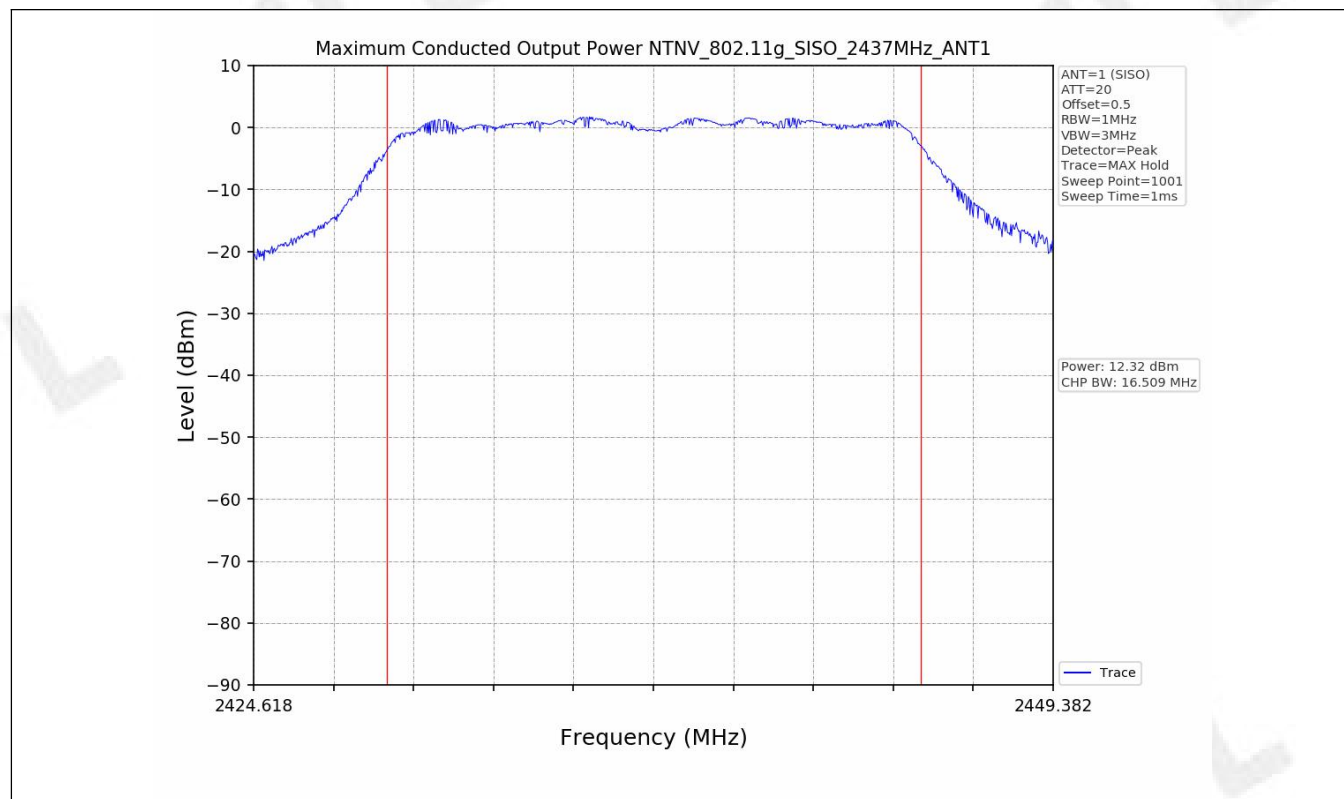
3.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	12.10	30	PASS
	2437	SISO	12.39	30	PASS
	2462	SISO	10.68	30	PASS
802.11g	2412	SISO	11.76	30	PASS
	2437	SISO	12.32	30	PASS
	2462	SISO	11.40	30	PASS

3.2 Test Graph





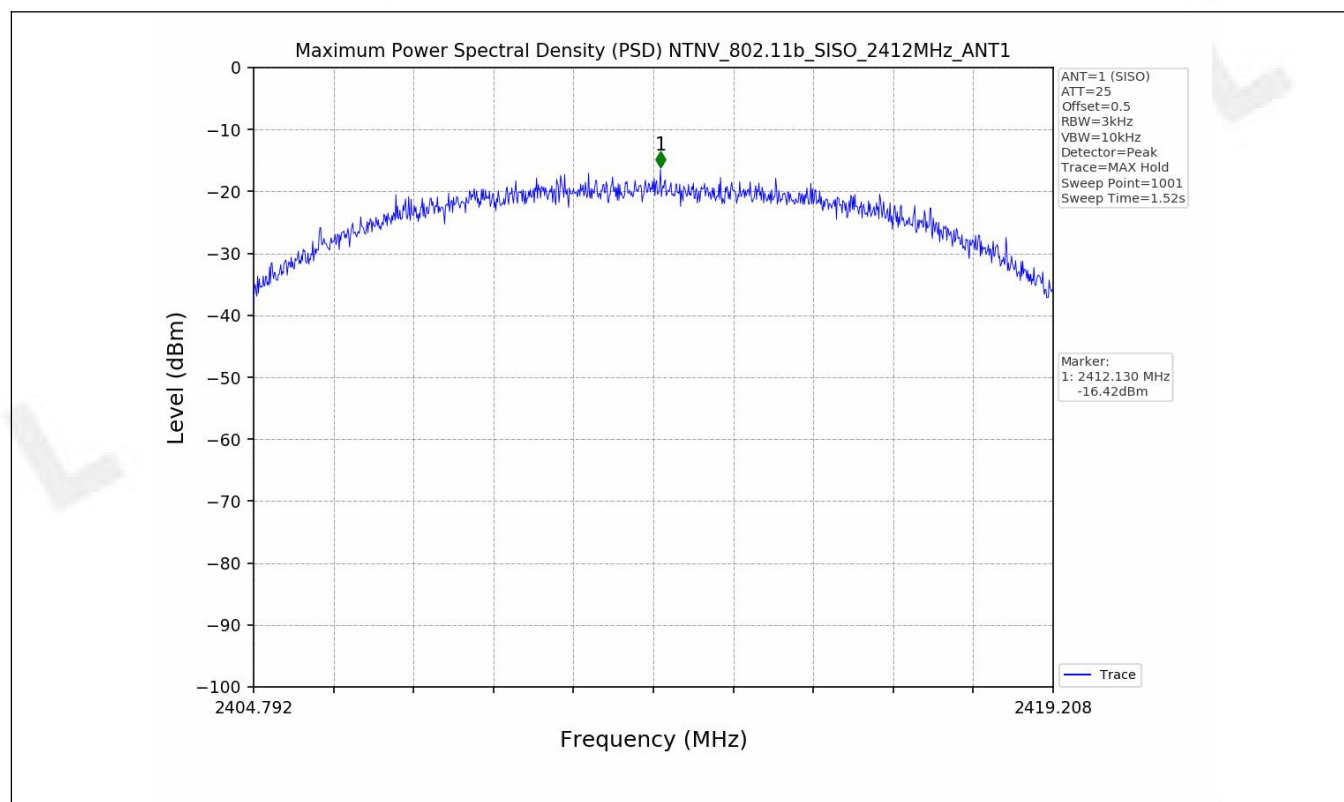


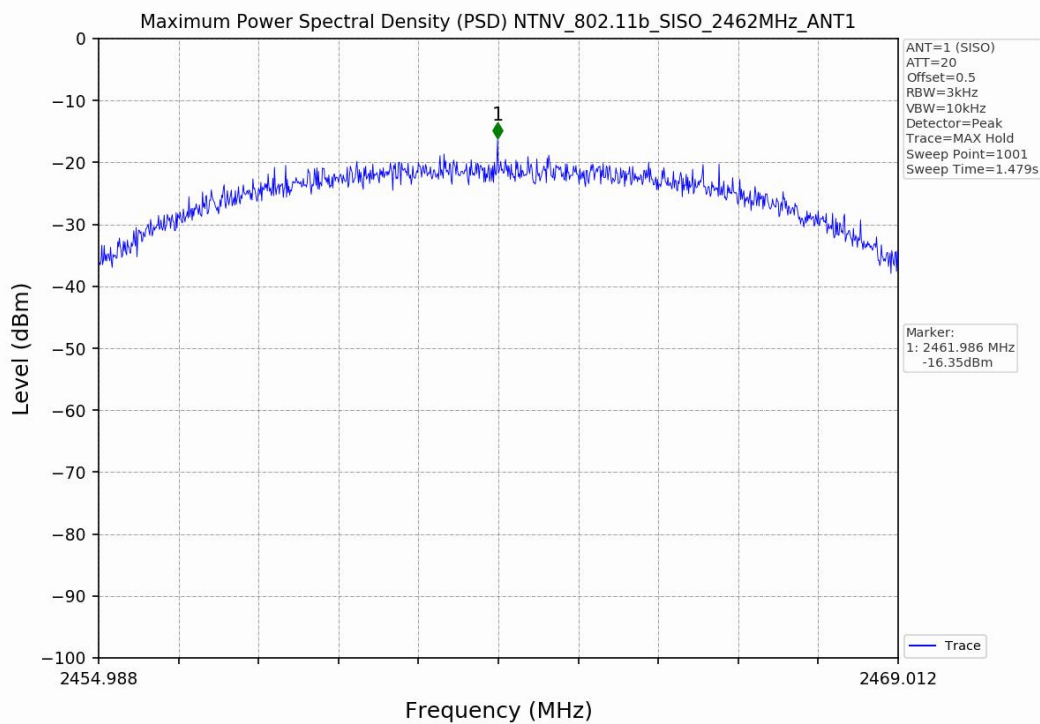
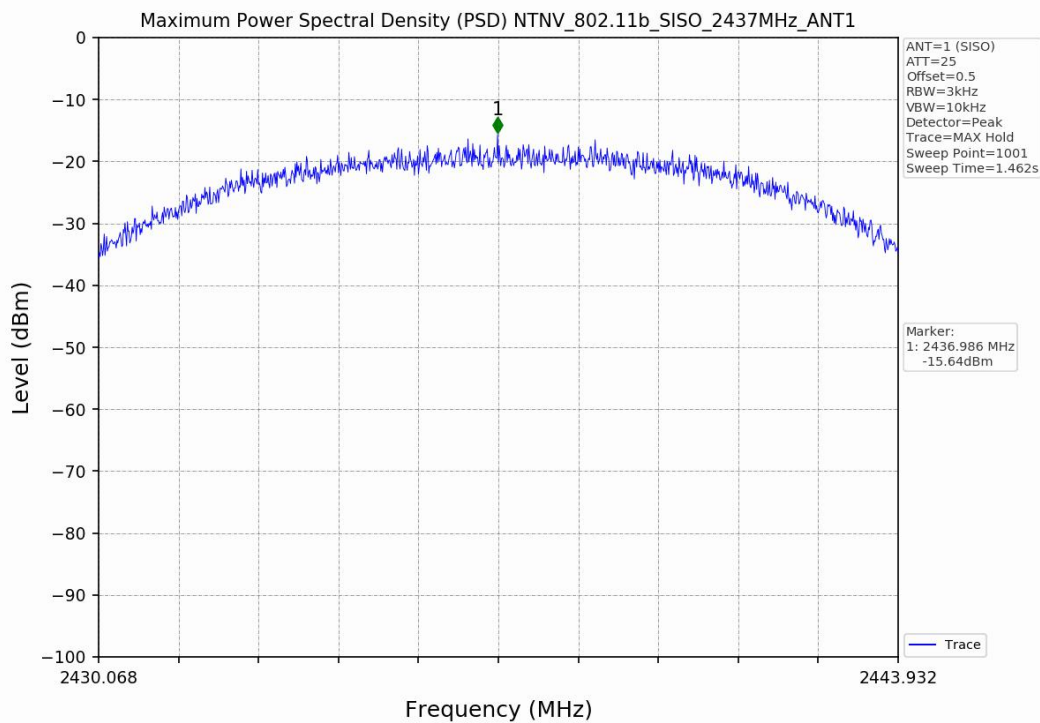
4. Maximum Power Spectral Density (PSD)

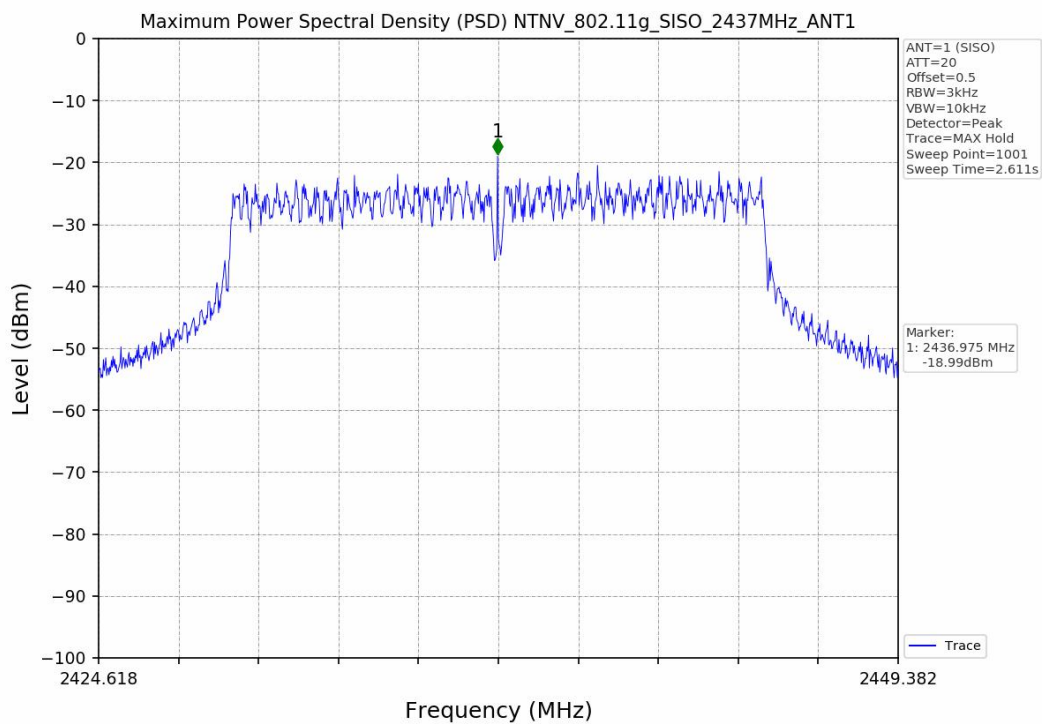
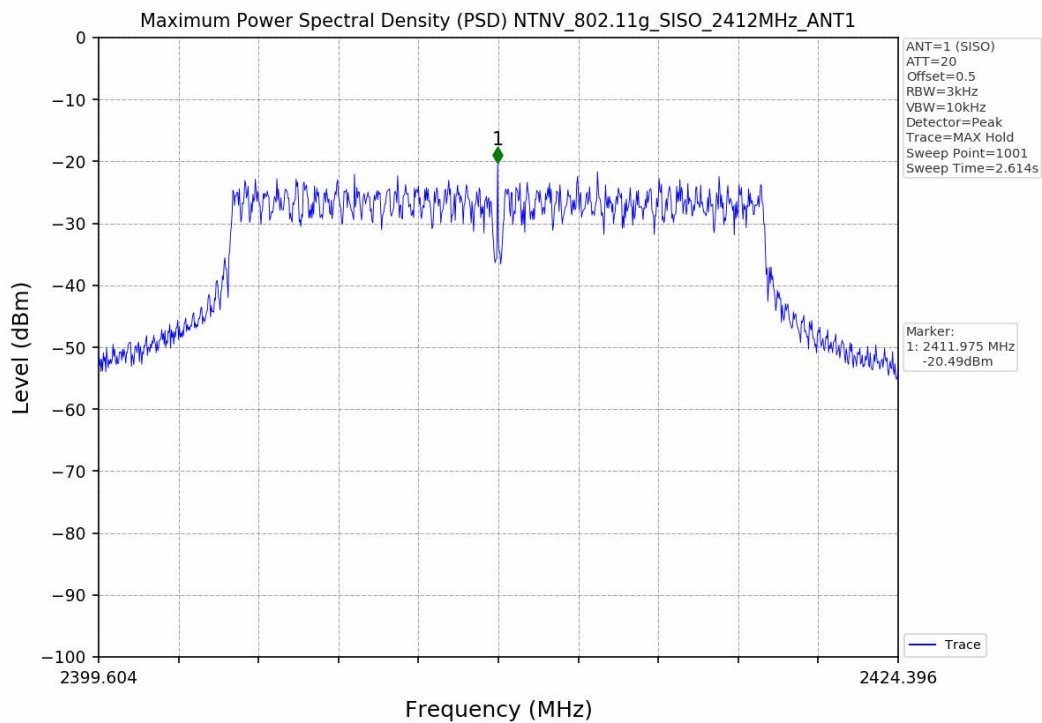
4.1 Test Result

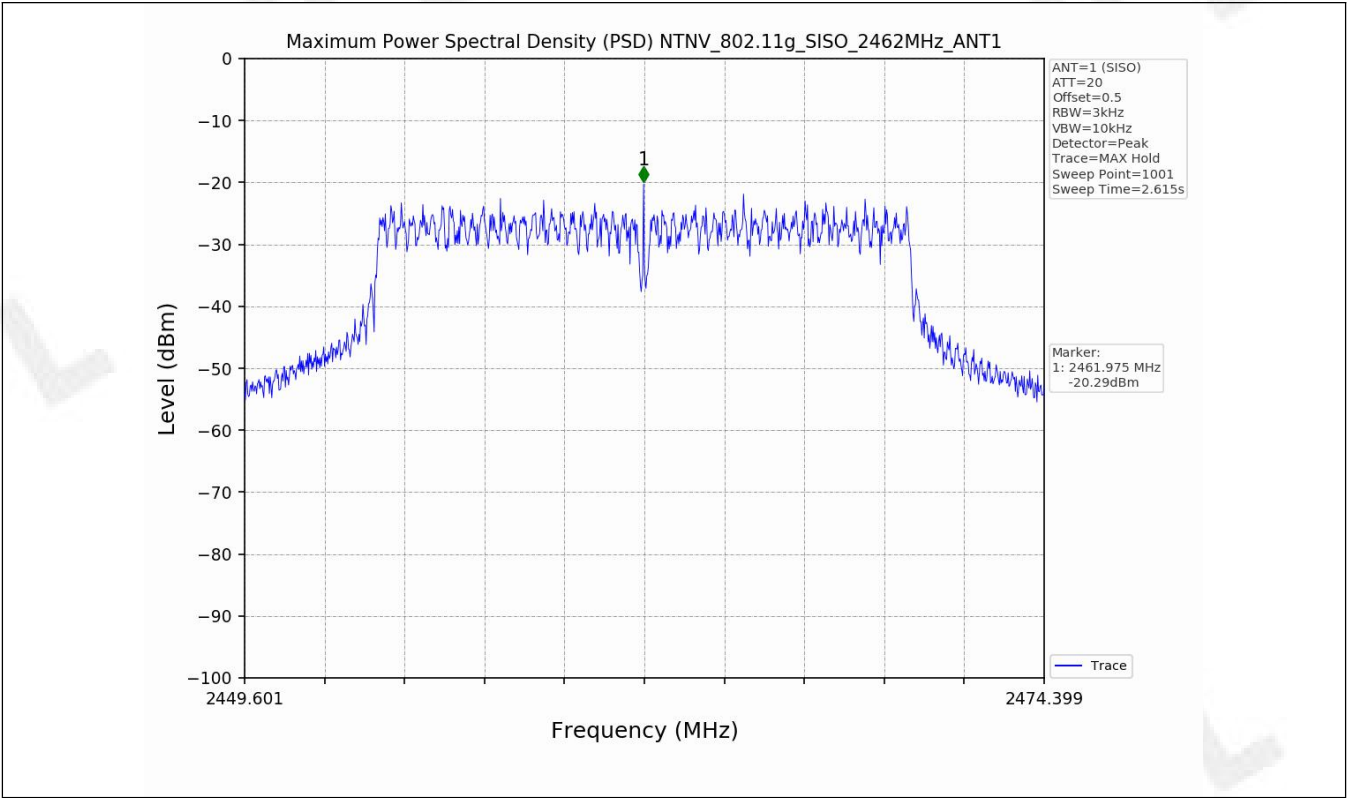
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-16.42	≤8	PASS
	2437	SISO	-15.64	≤8	PASS
	2462	SISO	-16.35	≤8	PASS
802.11g	2412	SISO	-20.49	≤8	PASS
	2437	SISO	-18.99	≤8	PASS
	2462	SISO	-20.29	≤8	PASS

4.2 Test Graph









5. Unwanted Emissions in Non-restricted Frequency Bands

5.1 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	-22.04	PASS
	2437	SISO	1	Refer to test graph	-22.04	PASS
	2462	SISO	1	Refer to test graph	-22.04	PASS
802.11g	2412	SISO	1	Refer to test graph	-26.49	PASS
	2437	SISO	1	Refer to test graph	-26.49	PASS
	2462	SISO	1	Refer to test graph	-26.49	PASS

5.2 Test Graph

