



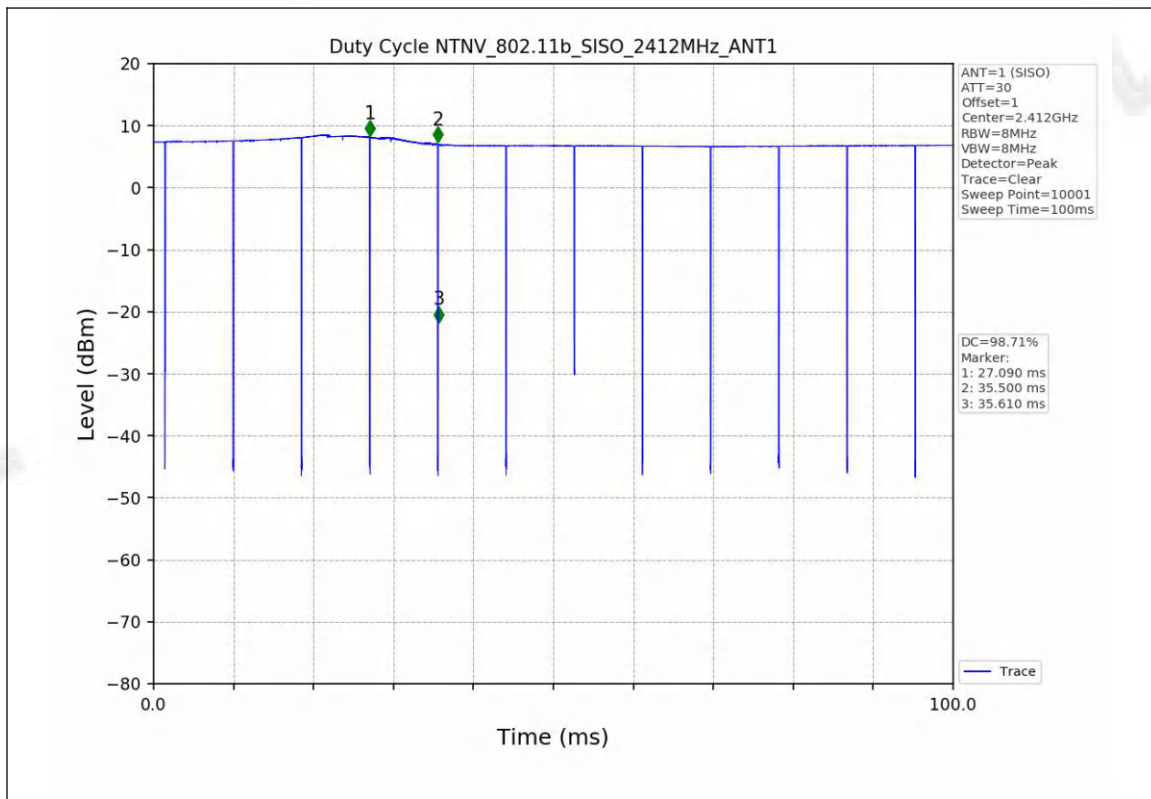
Appendix for 15.247

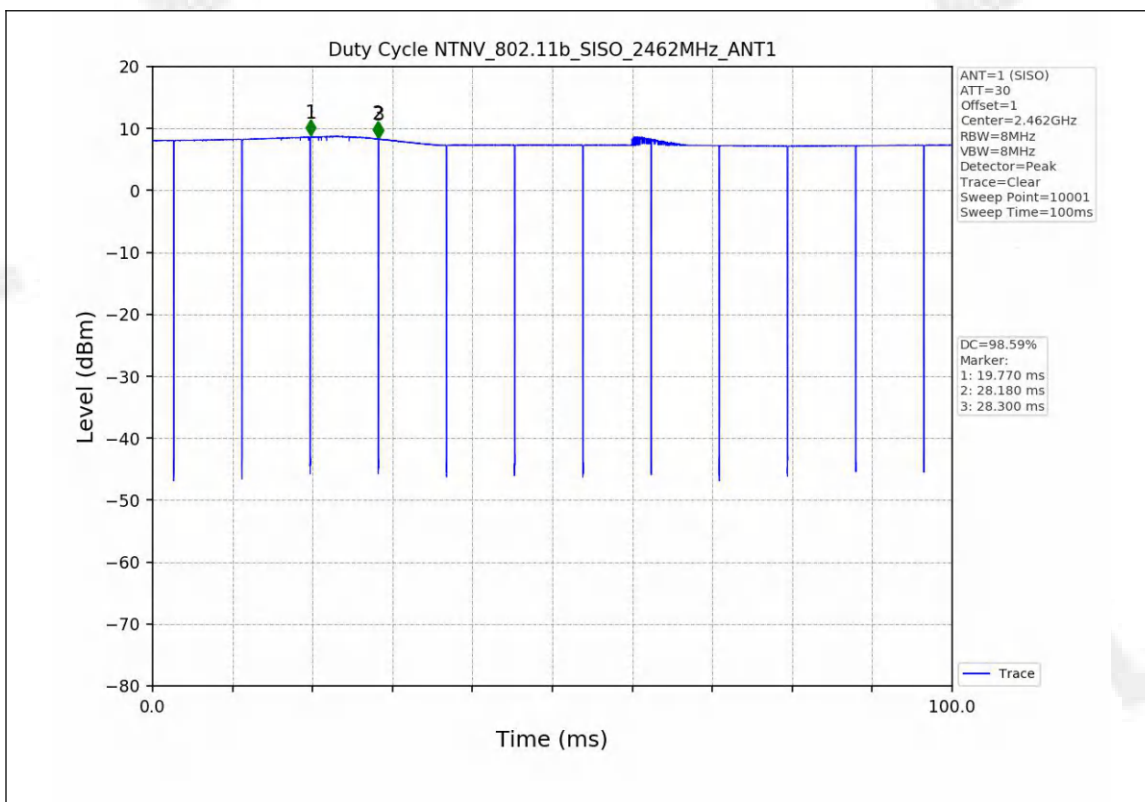
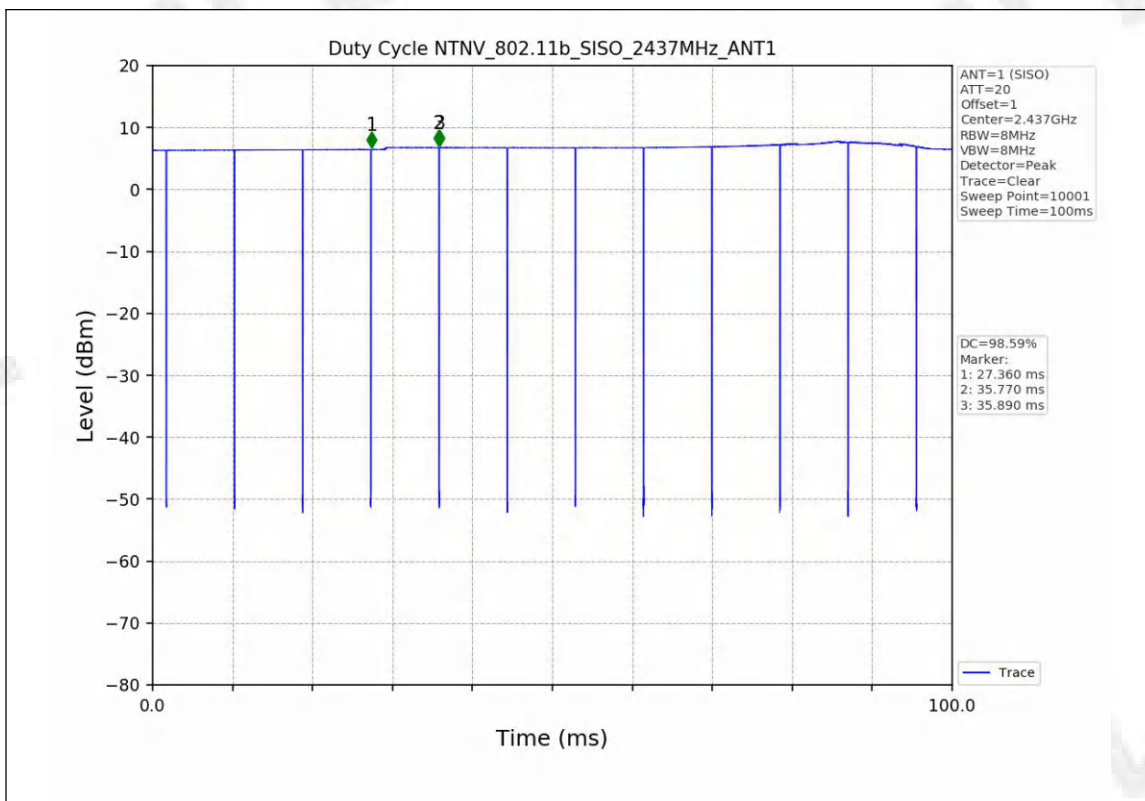
1. Duty Cycle

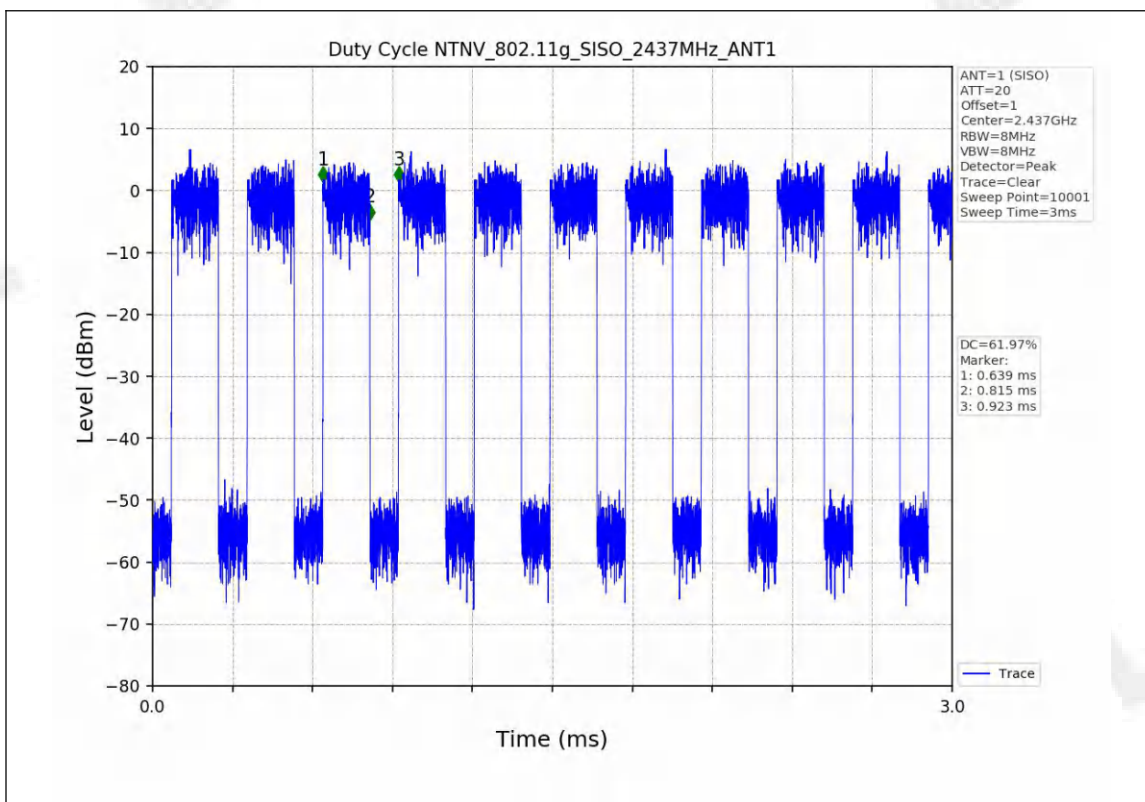
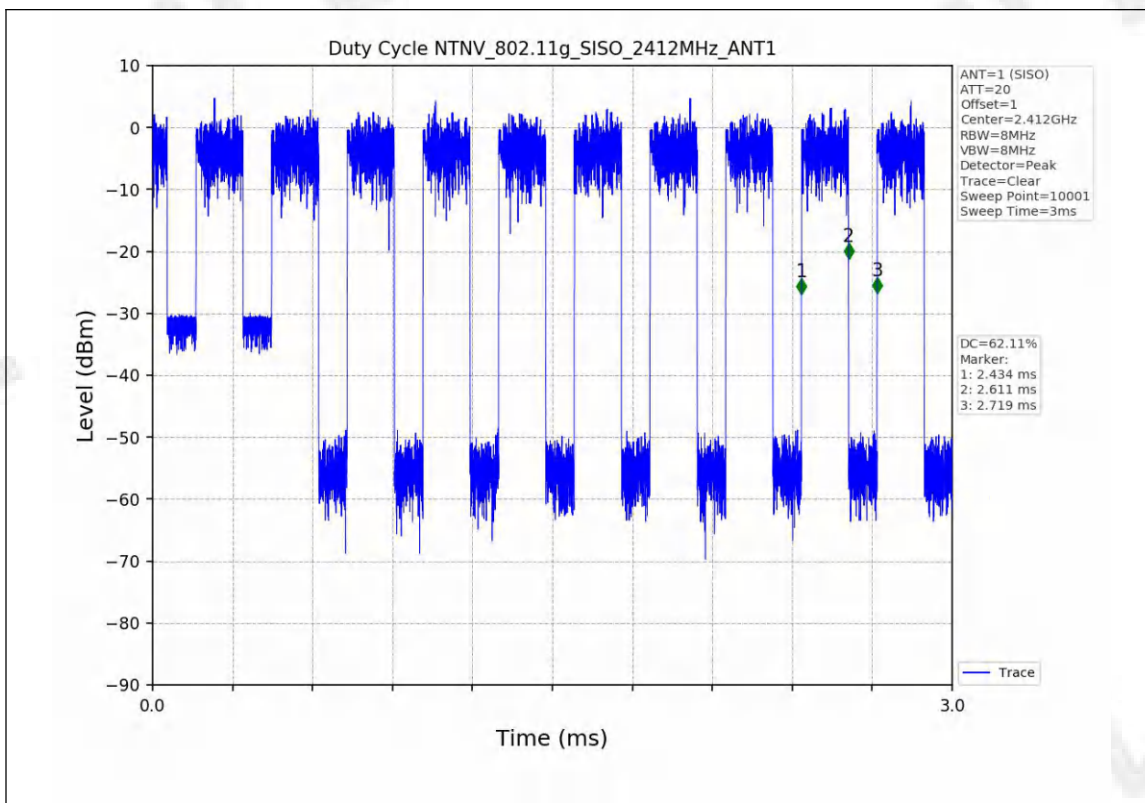
1.1 Test Result

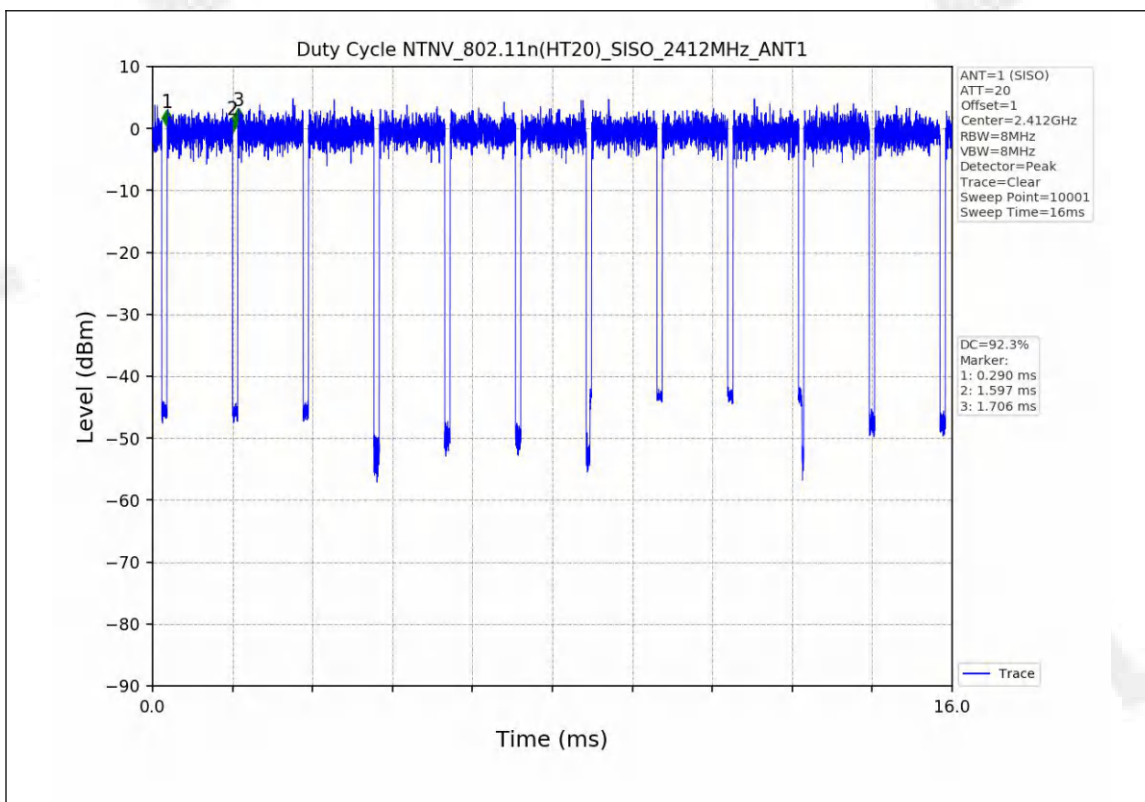
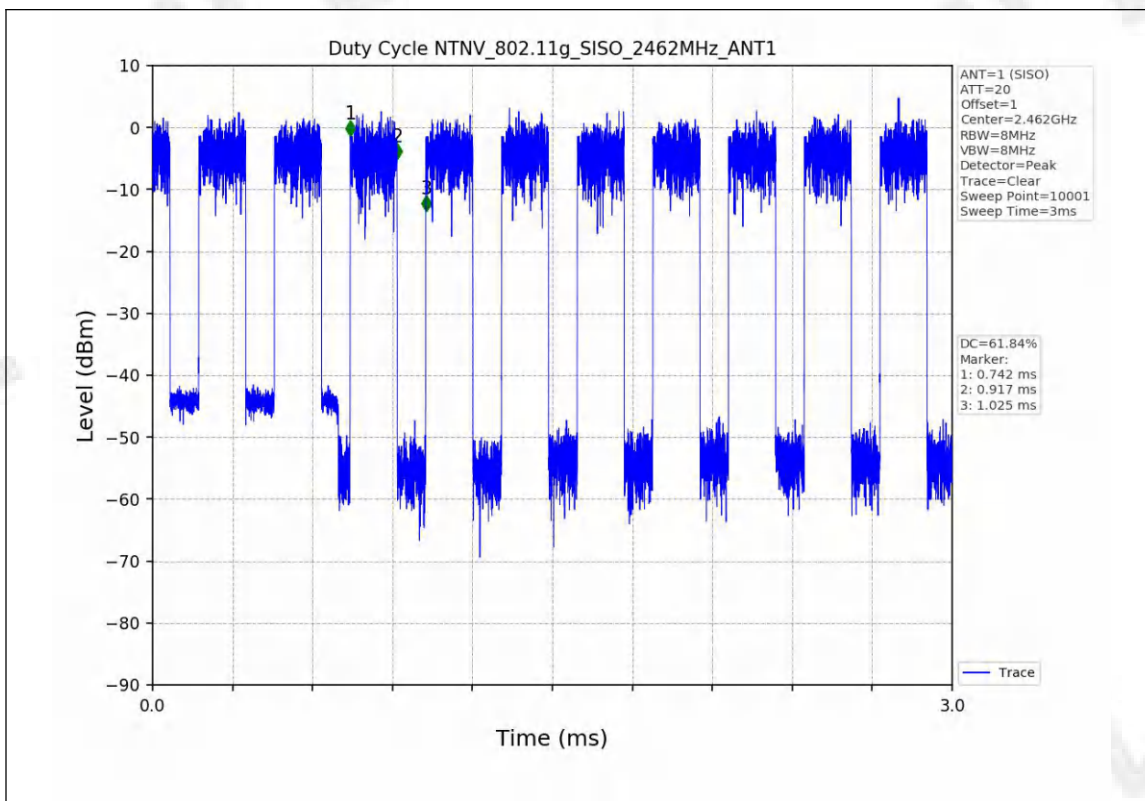
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	8.410	8.520	98.71	0.06
	2437	SISO	1	8.410	8.530	98.59	0.06
	2462	SISO	1	8.410	8.530	98.59	0.06
802.11g	2412	SISO	1	0.177	0.285	62.11	2.07
	2437	SISO	1	0.176	0.284	61.97	2.08
	2462	SISO	1	0.175	0.283	61.84	2.09
802.11n(HT20)	2412	SISO	1	1.307	1.416	92.30	0.35
	2437	SISO	1	1.281	1.389	92.22	0.35
	2462	SISO	1	1.278	1.385	92.27	0.35

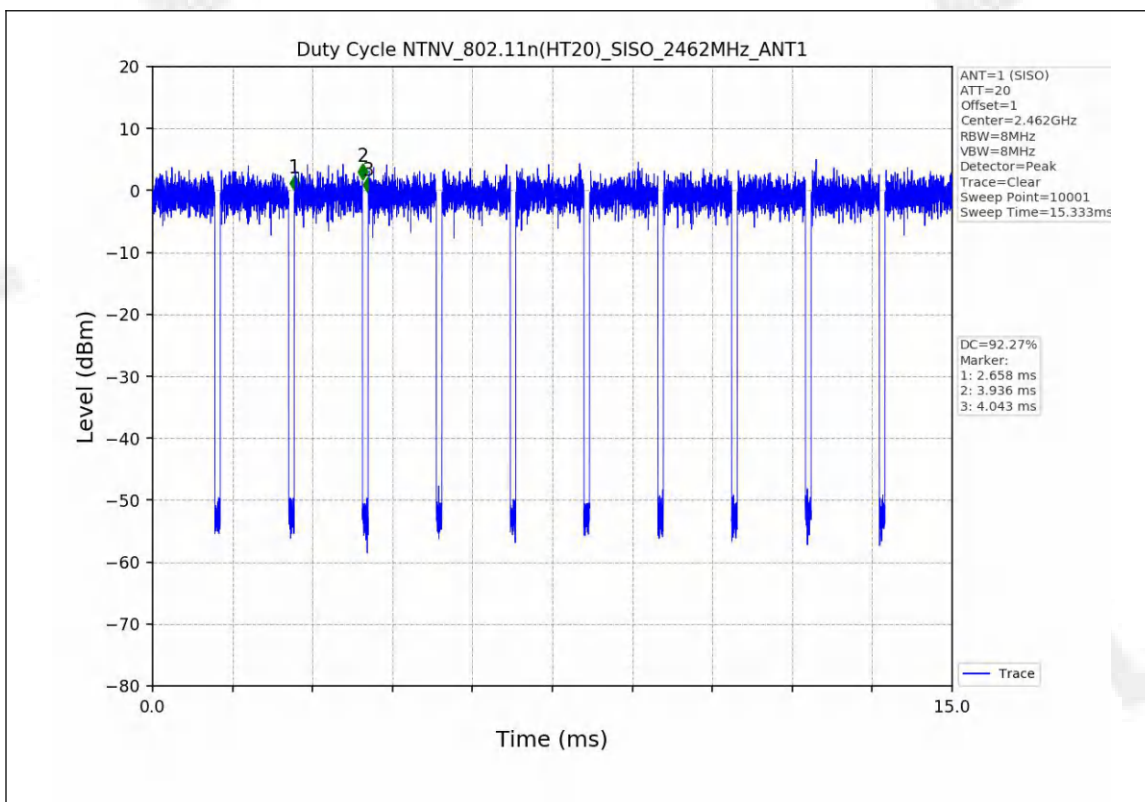
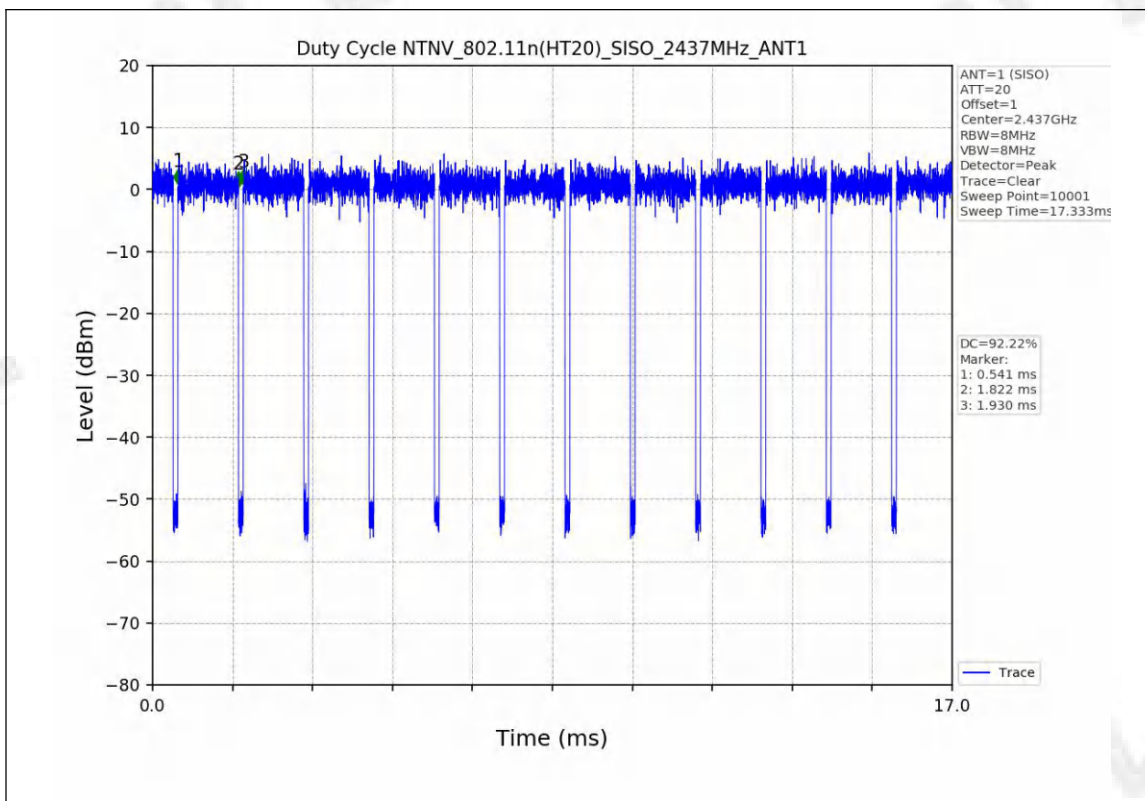
1.2 Test Graph











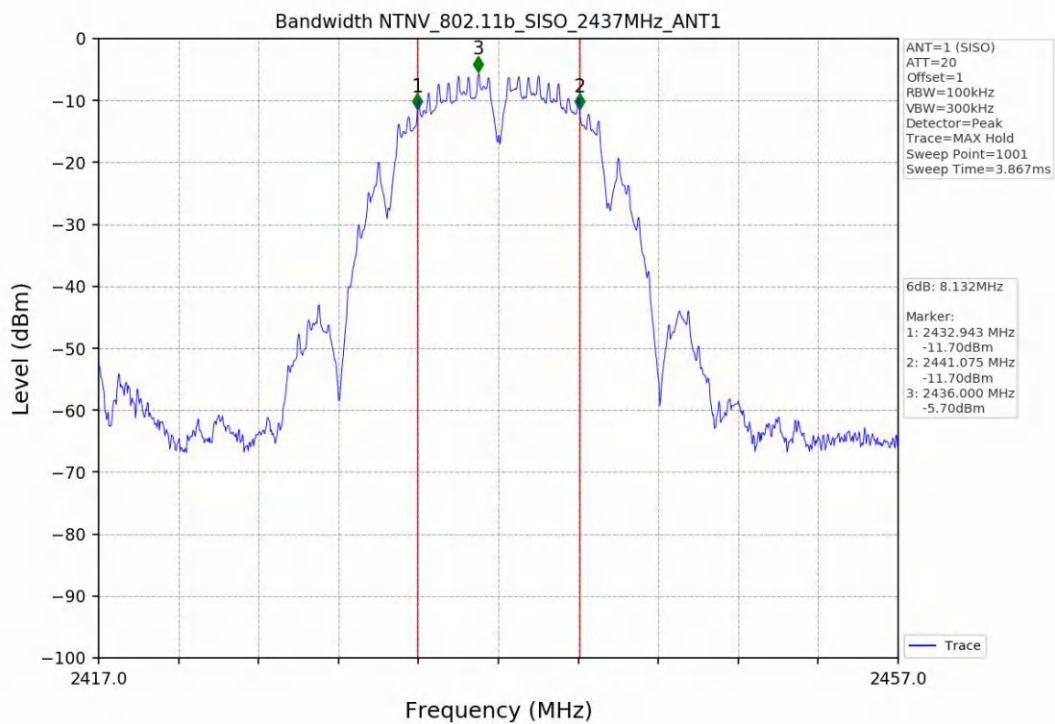
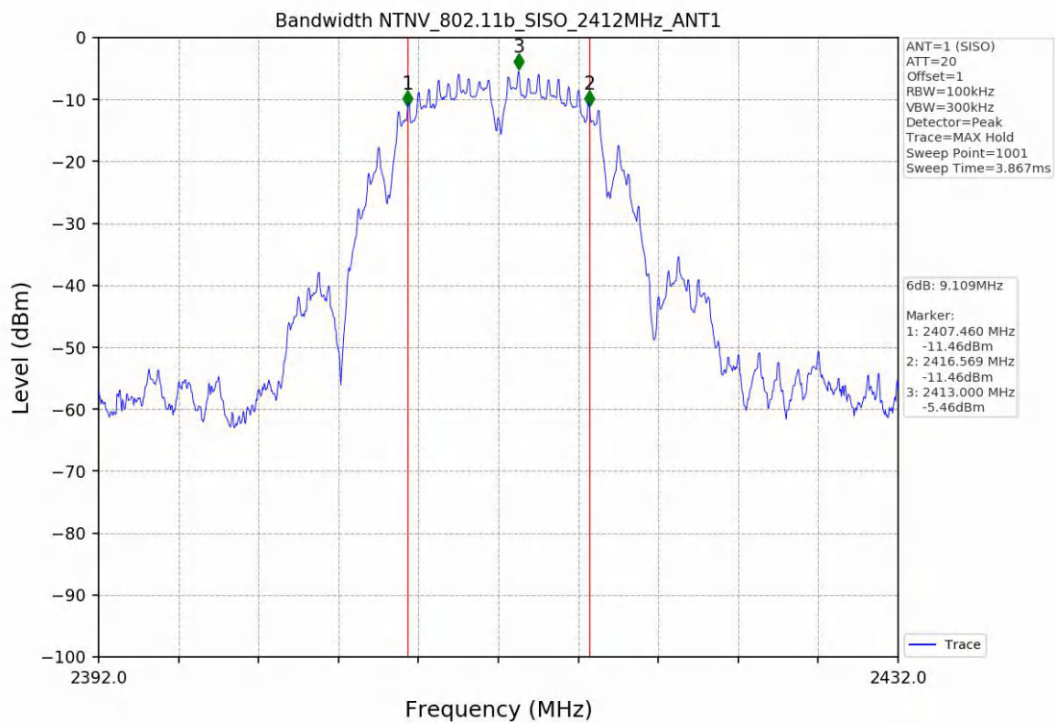
2. Bandwidth

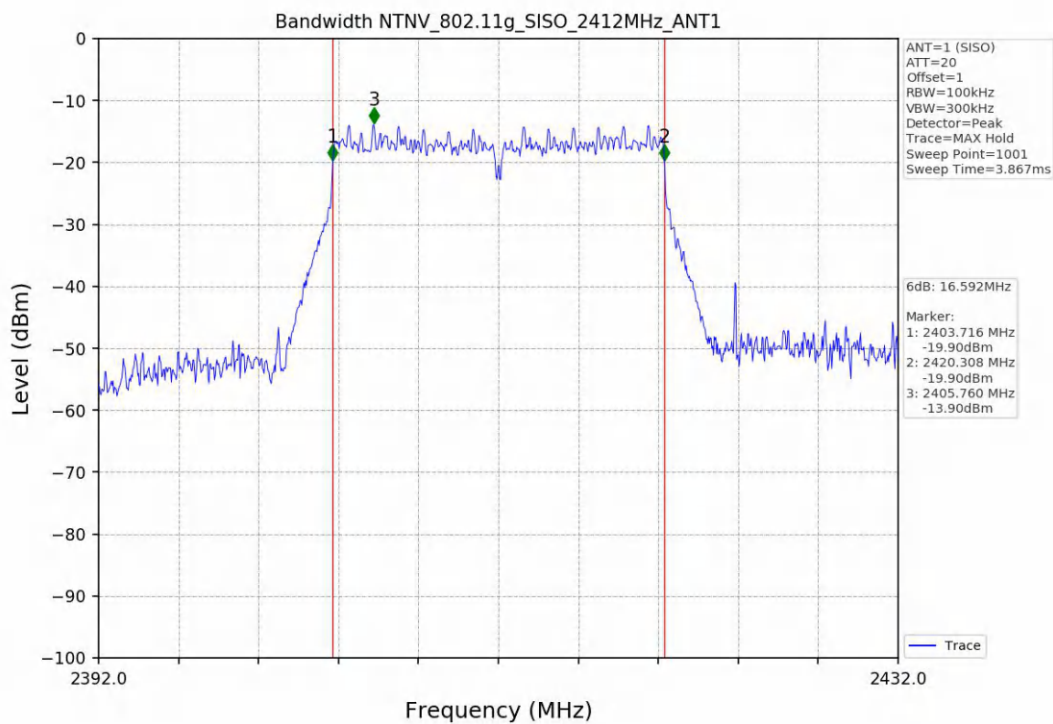
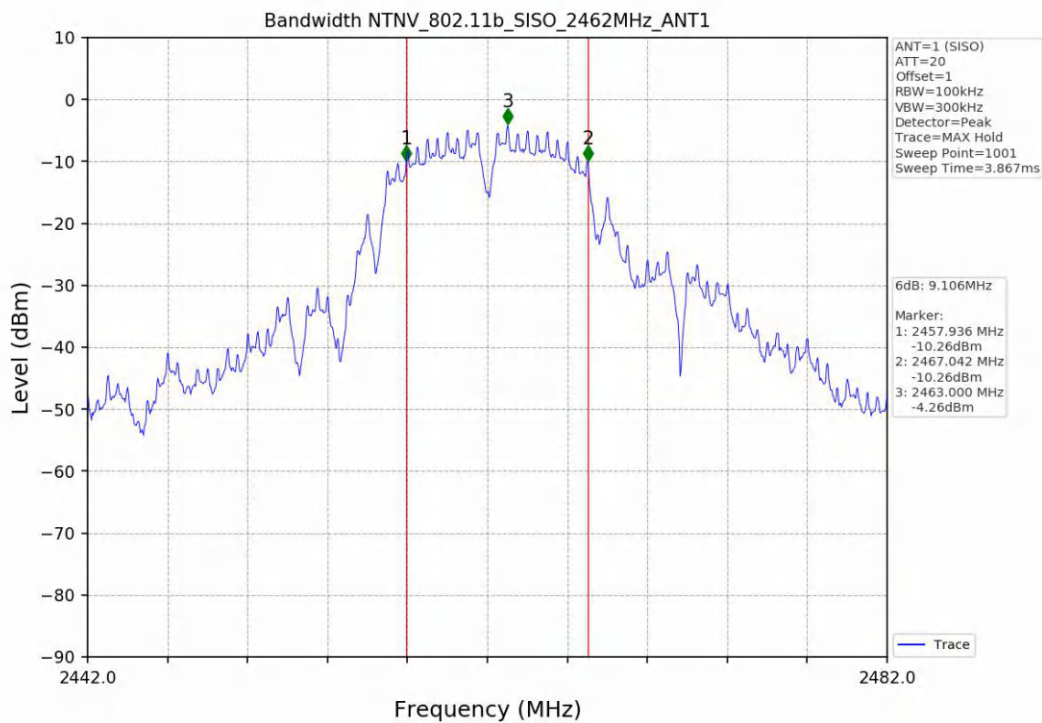
2.1 Test Result

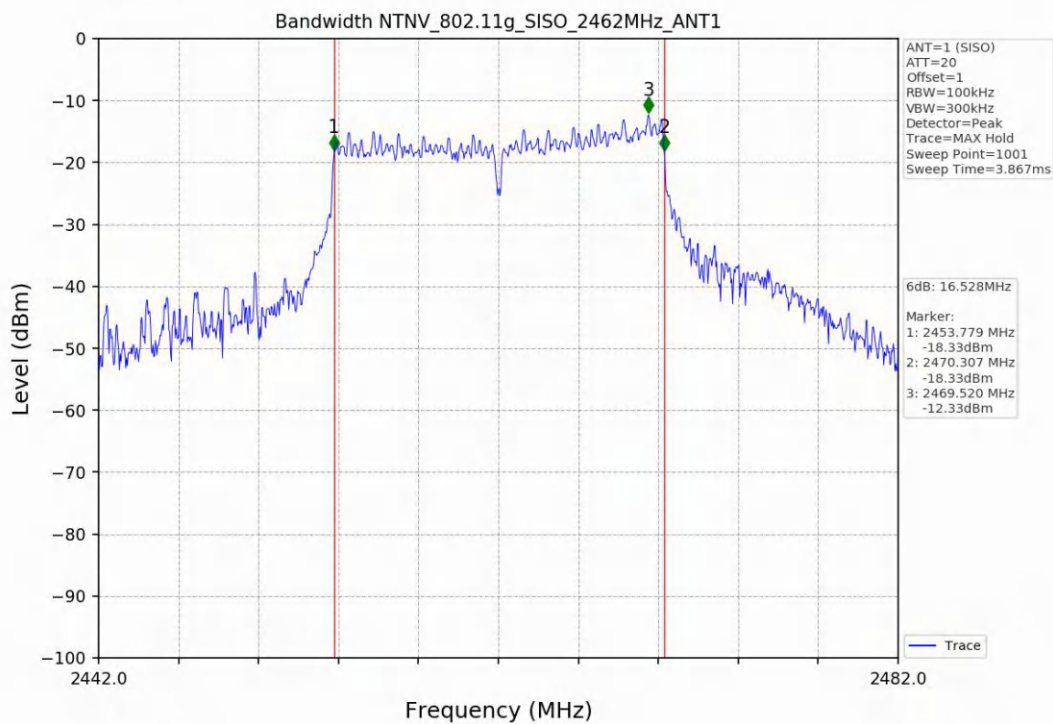
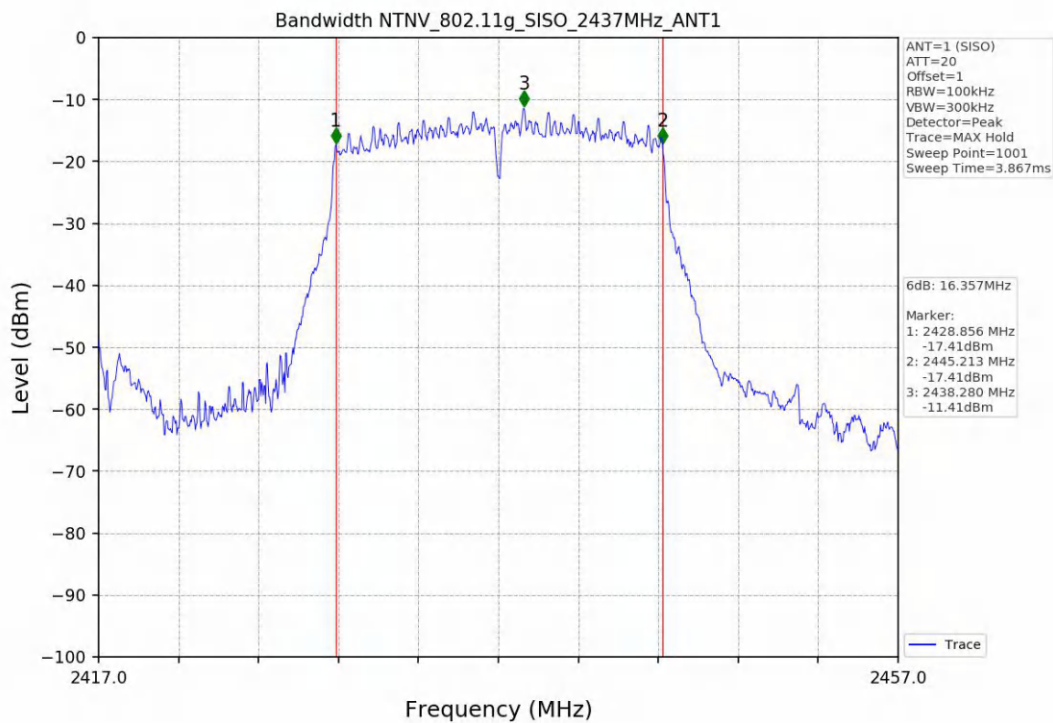
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth	Verdict
				Test Result (MHz)	
802.11b	2412	SISO	1	9.109	PASS
	2437	SISO	1	8.132	PASS
	2462	SISO	1	9.106	PASS
802.11g	2412	SISO	1	16.592	PASS
	2437	SISO	1	16.357	PASS
	2462	SISO	1	16.528	PASS
802.11n(HT20)	2412	SISO	1	17.686	PASS
	2437	SISO	1	15.737	PASS
	2462	SISO	1	17.685	PASS

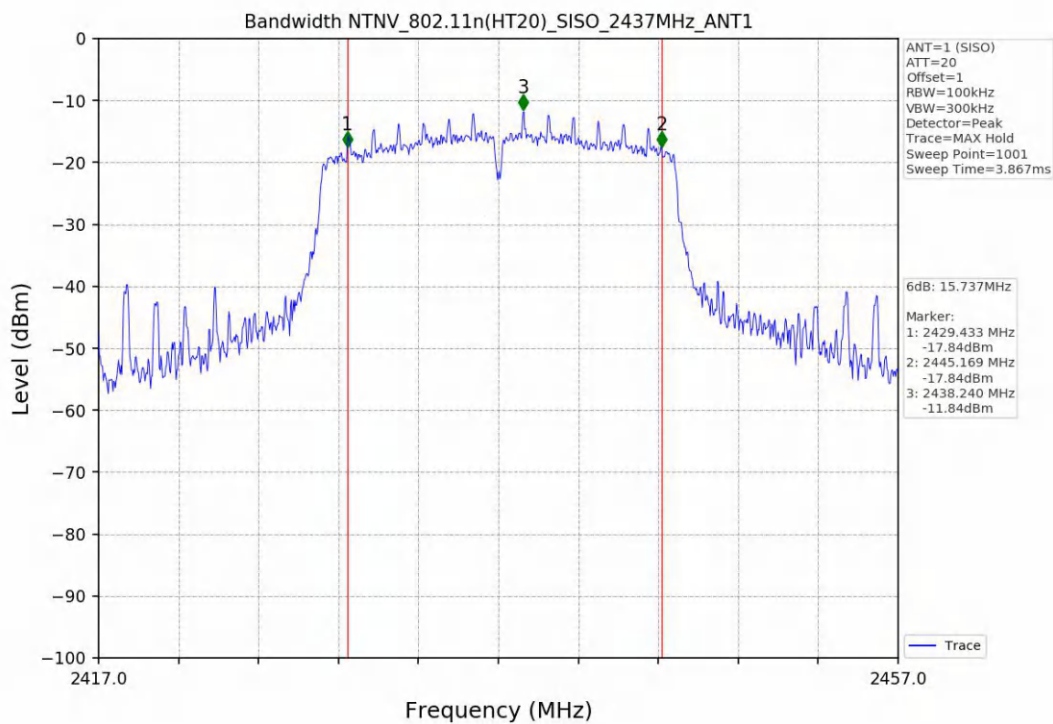
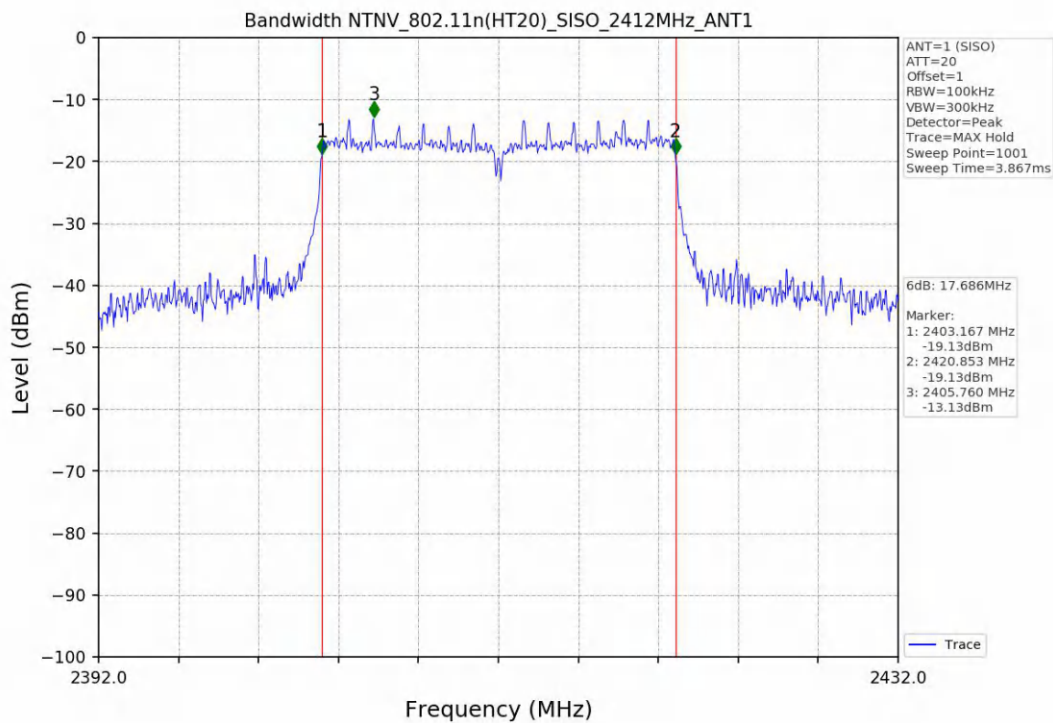
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	11.941	Only for Report Use
	2437	SISO	1	11.104	Only for Report Use
	2462	SISO	1	12.743	Only for Report Use
802.11g	2412	SISO	1	16.959	Only for Report Use
	2437	SISO	1	16.474	Only for Report Use
	2462	SISO	1	19.123	Only for Report Use
802.11n(HT20)	2412	SISO	1	18.521	Only for Report Use
	2437	SISO	1	17.641	Only for Report Use
	2462	SISO	1	19.530	Only for Report Use

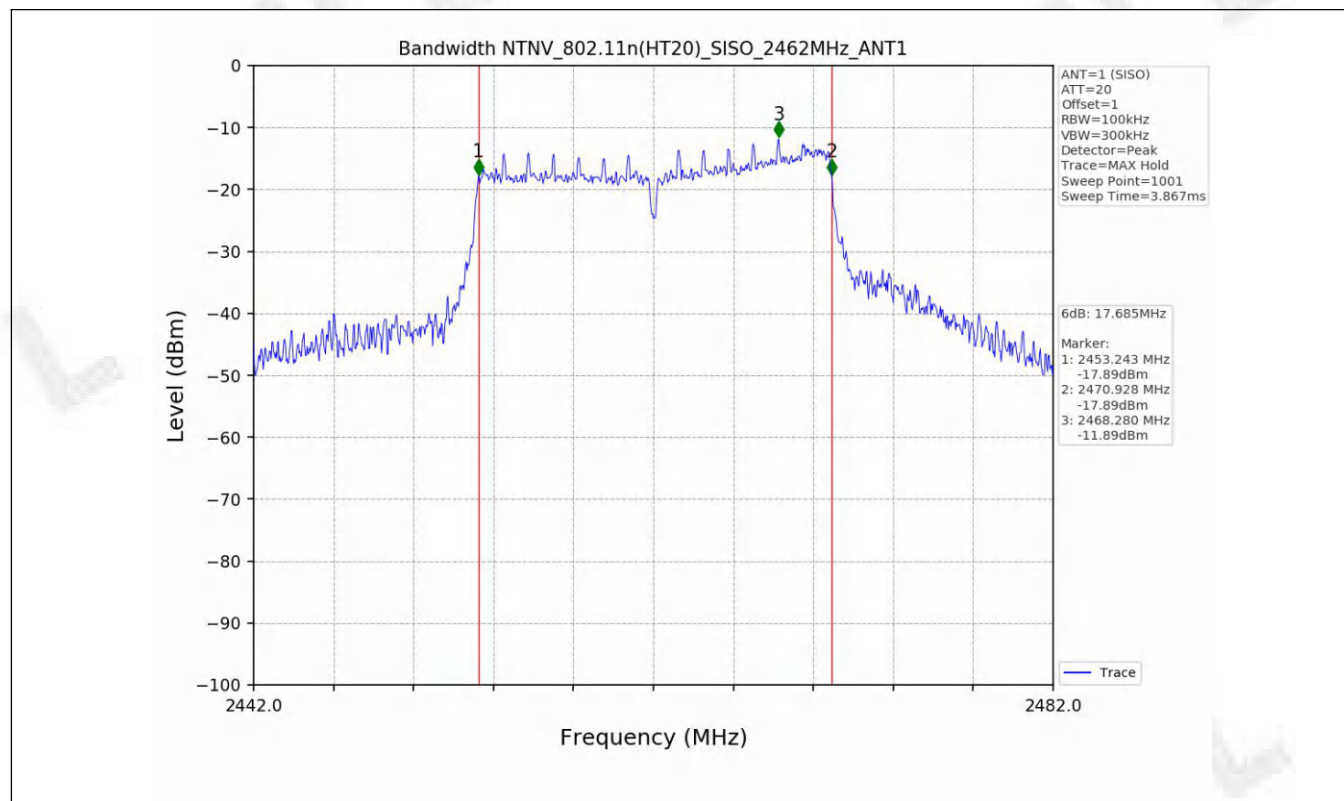
2.2 Test Graph - 6dB Bandwidth



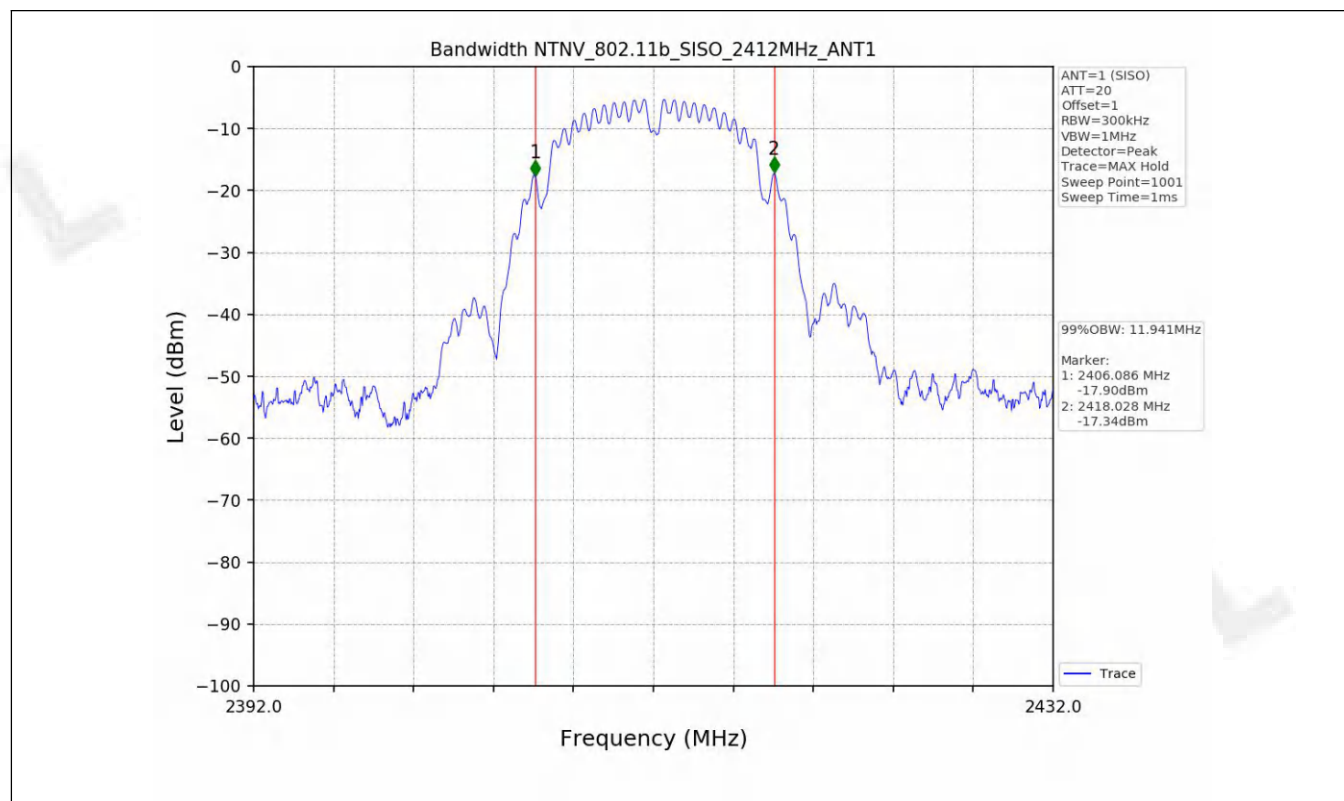


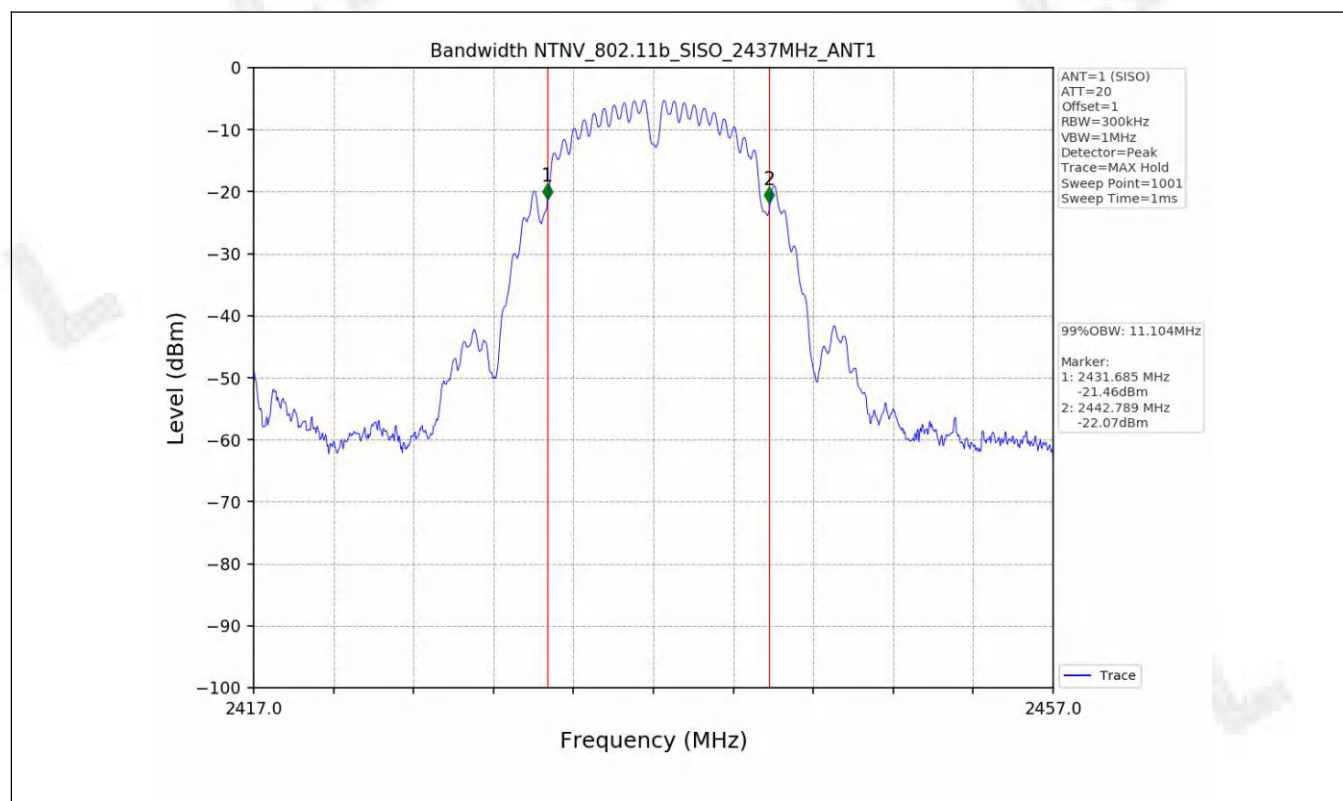


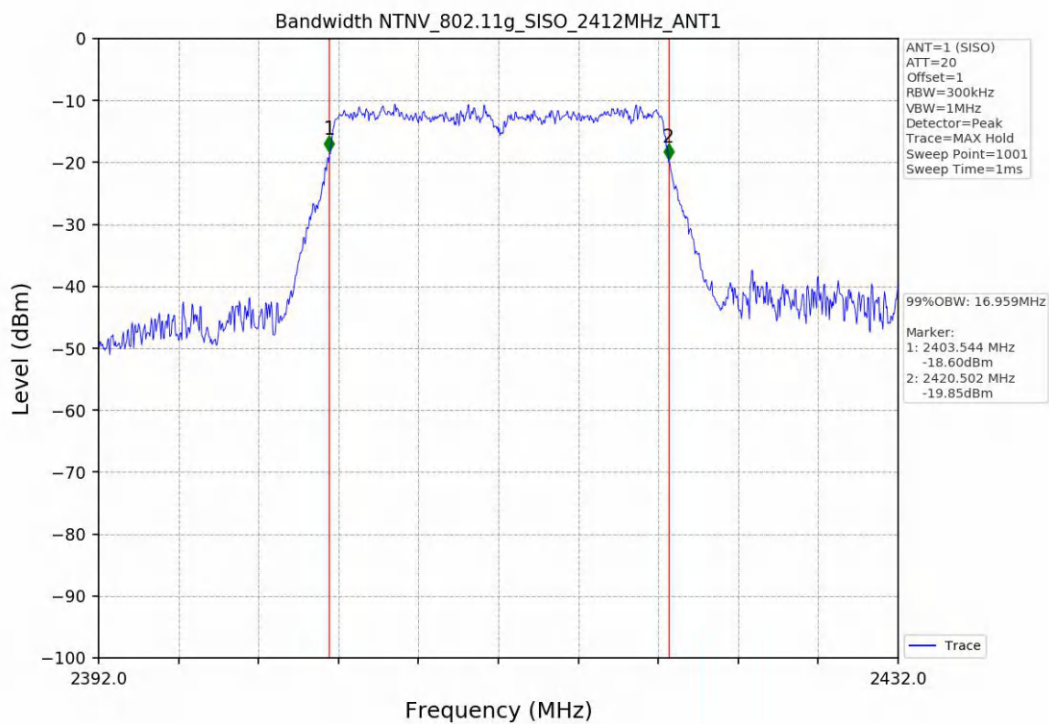
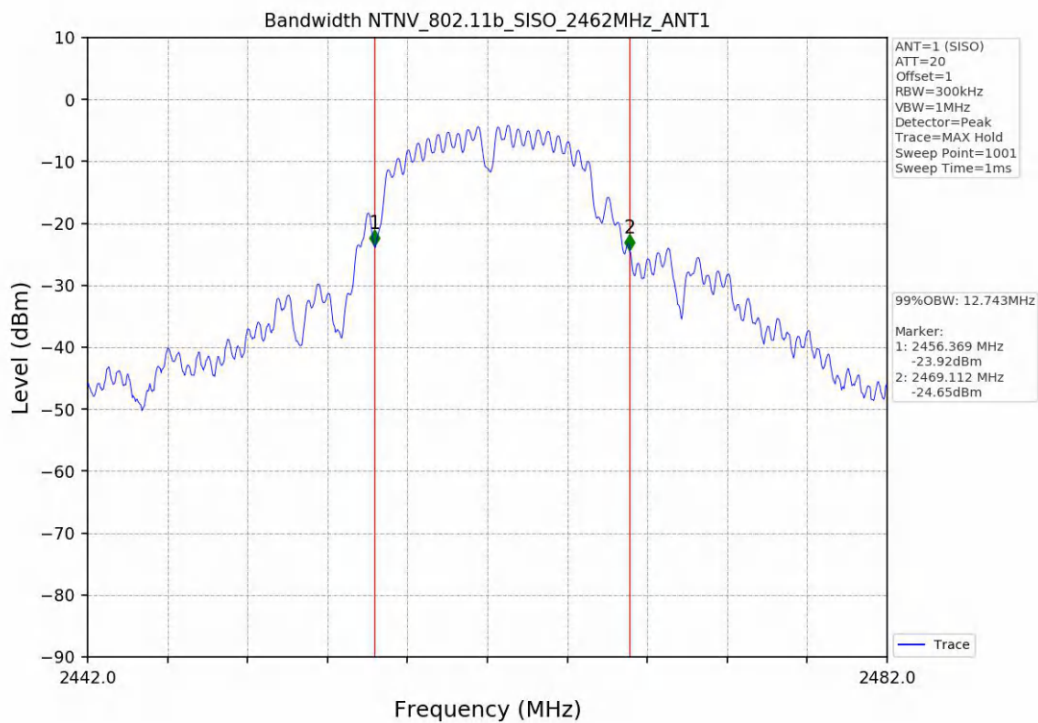


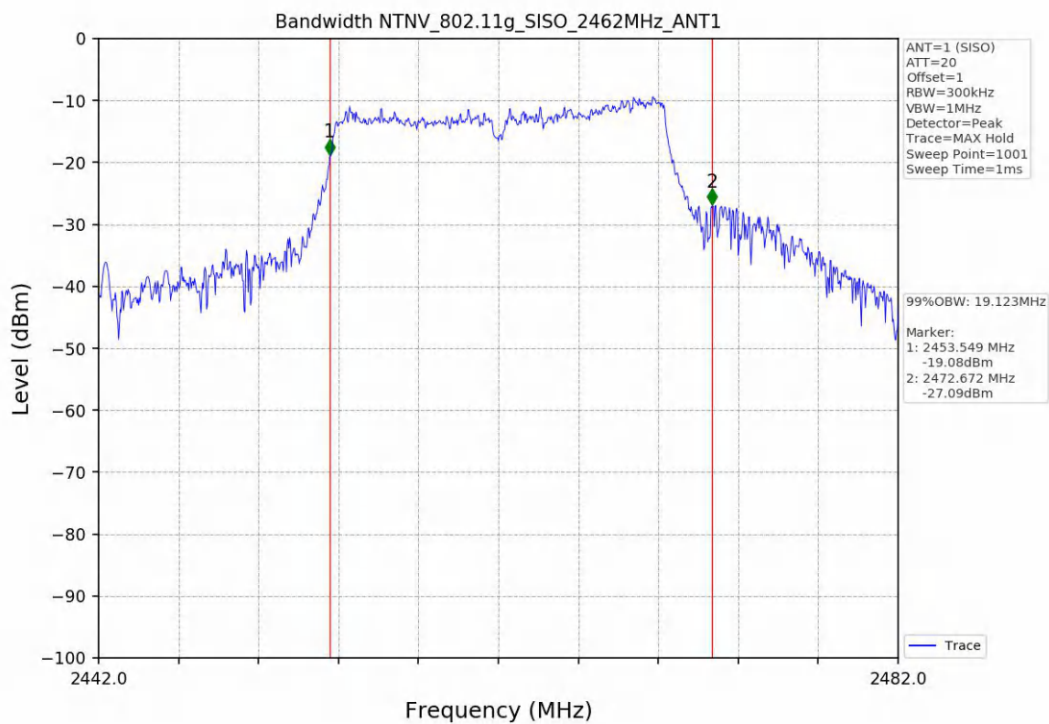
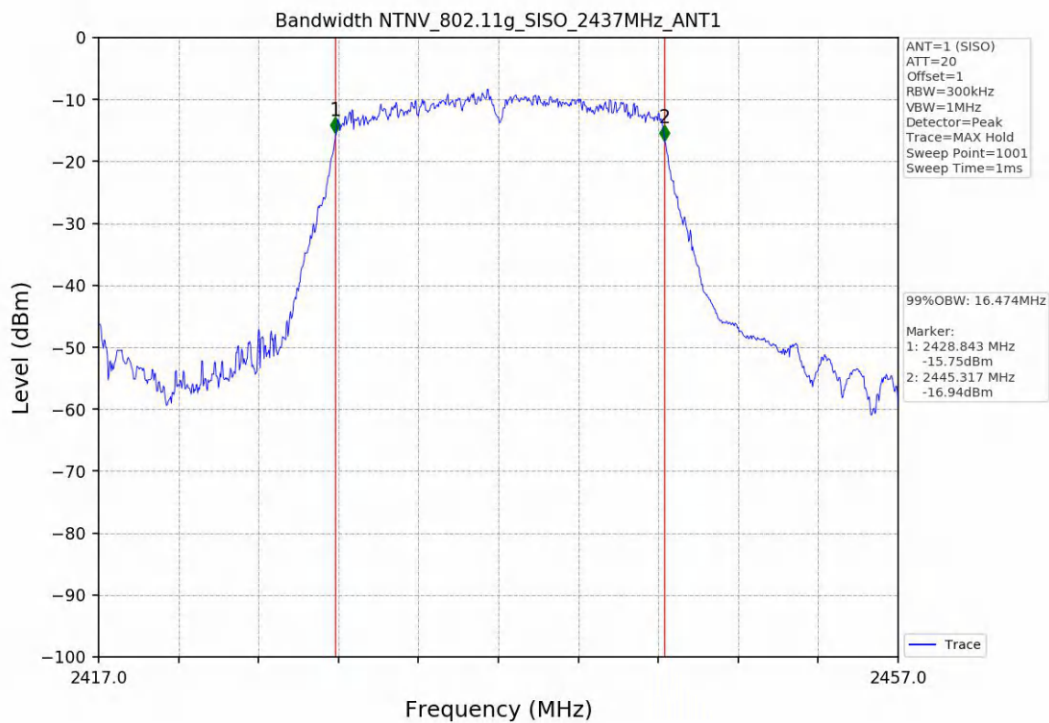


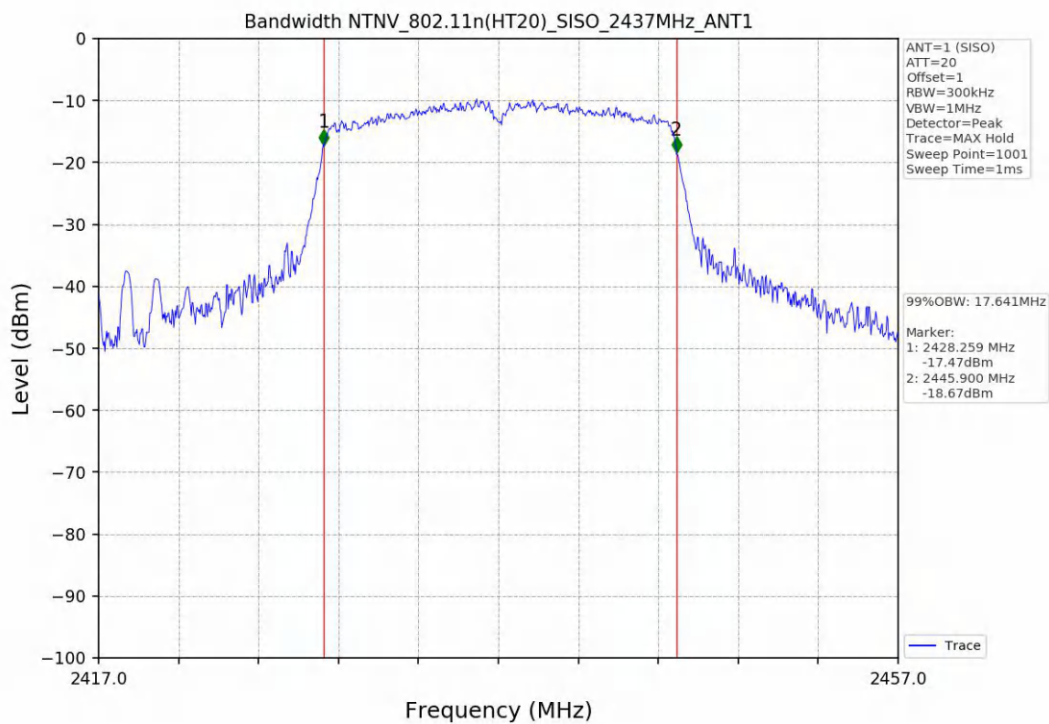
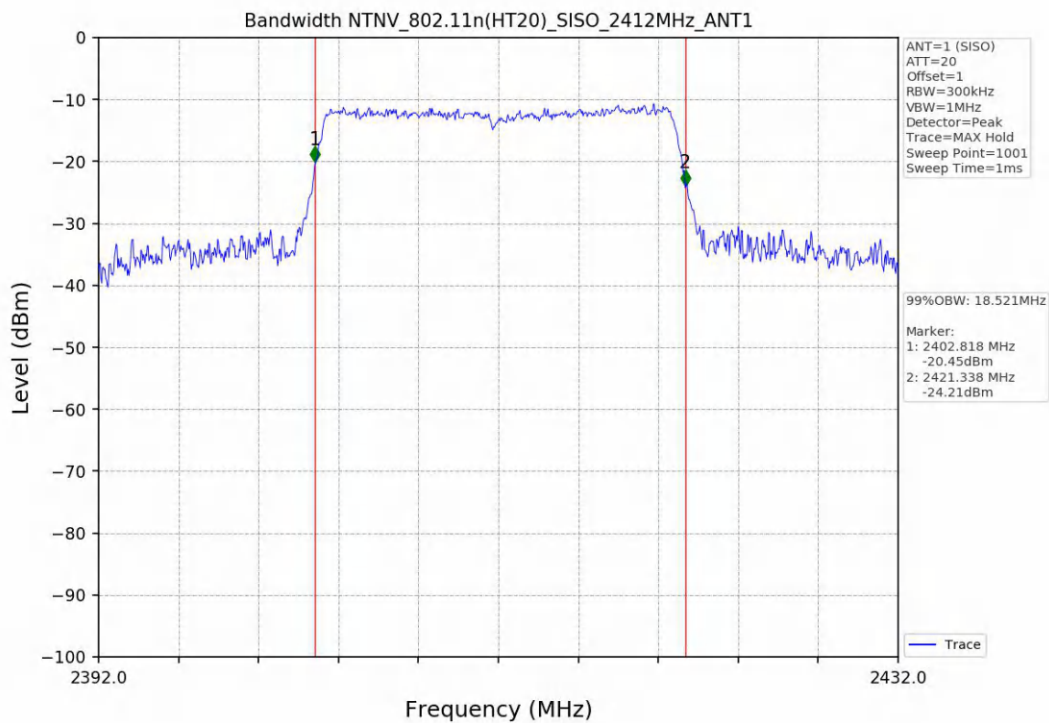
2.3 Test Graph - 99% Occupied Bandwidth

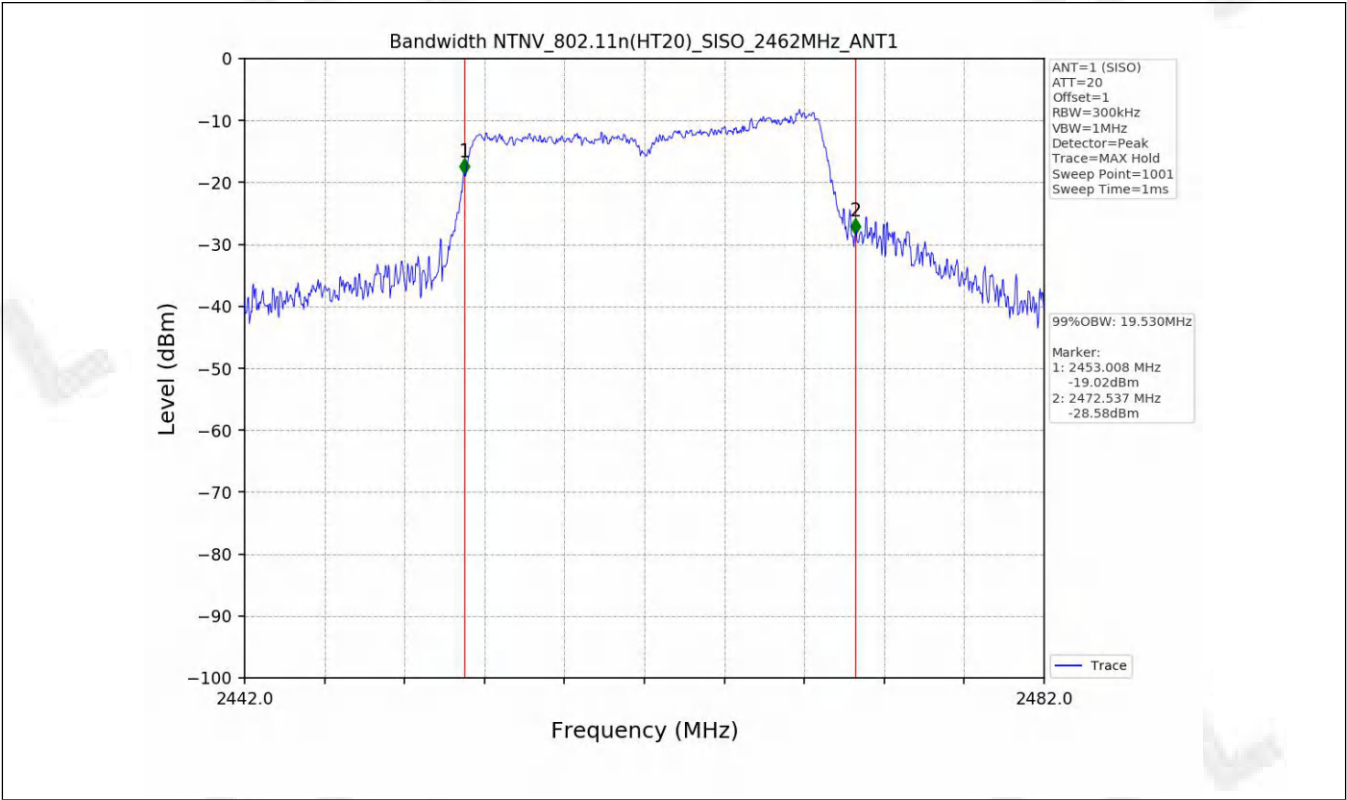










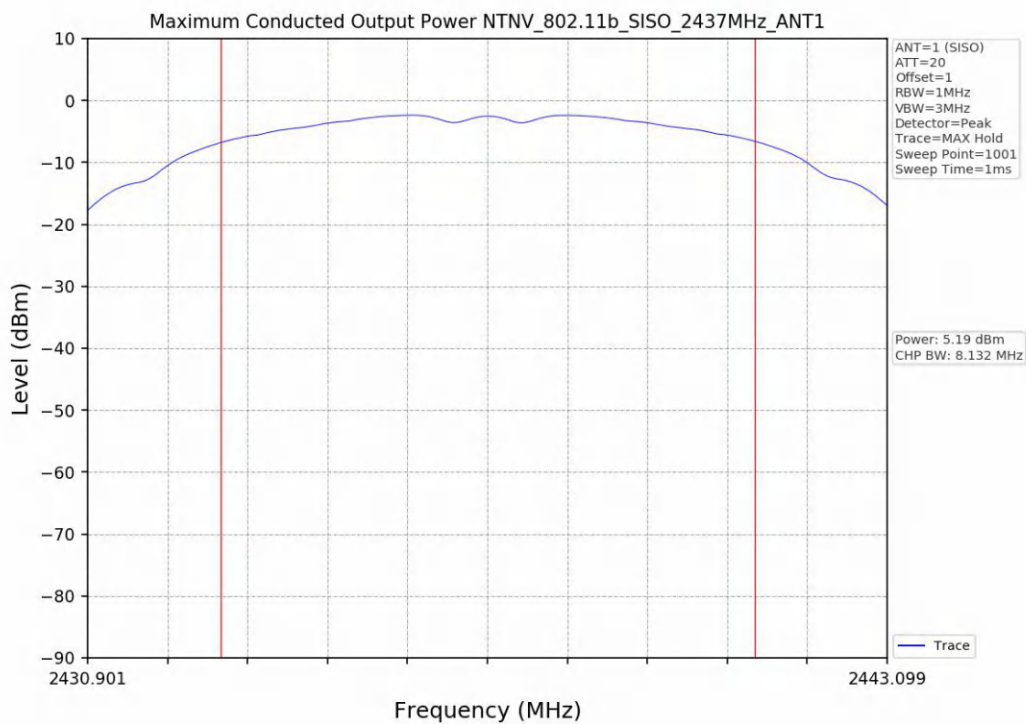
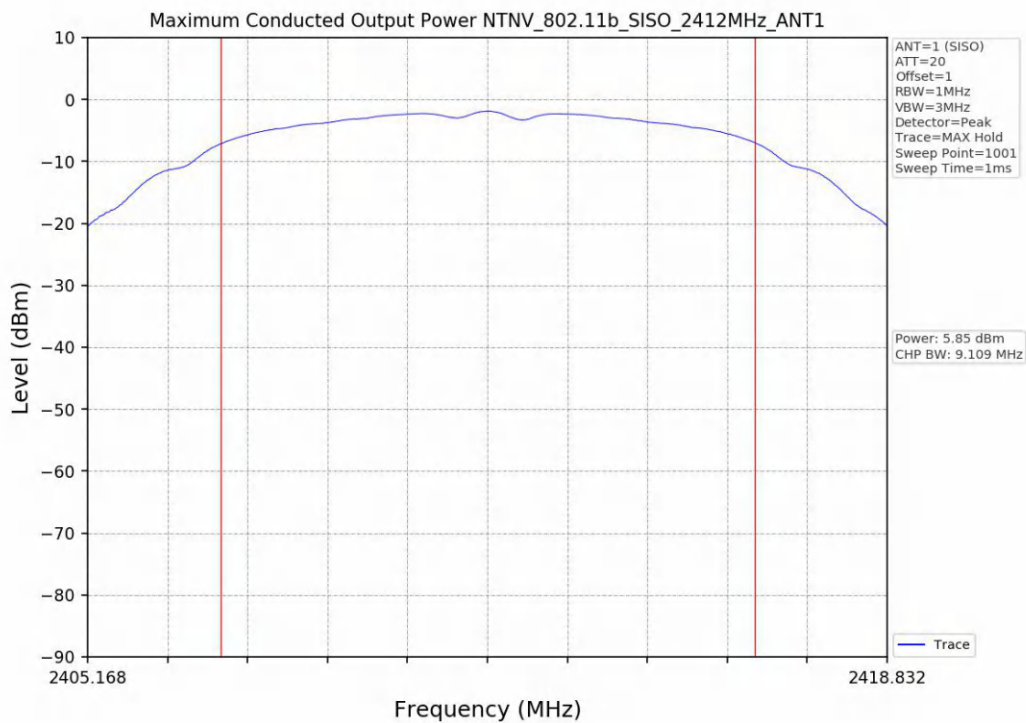


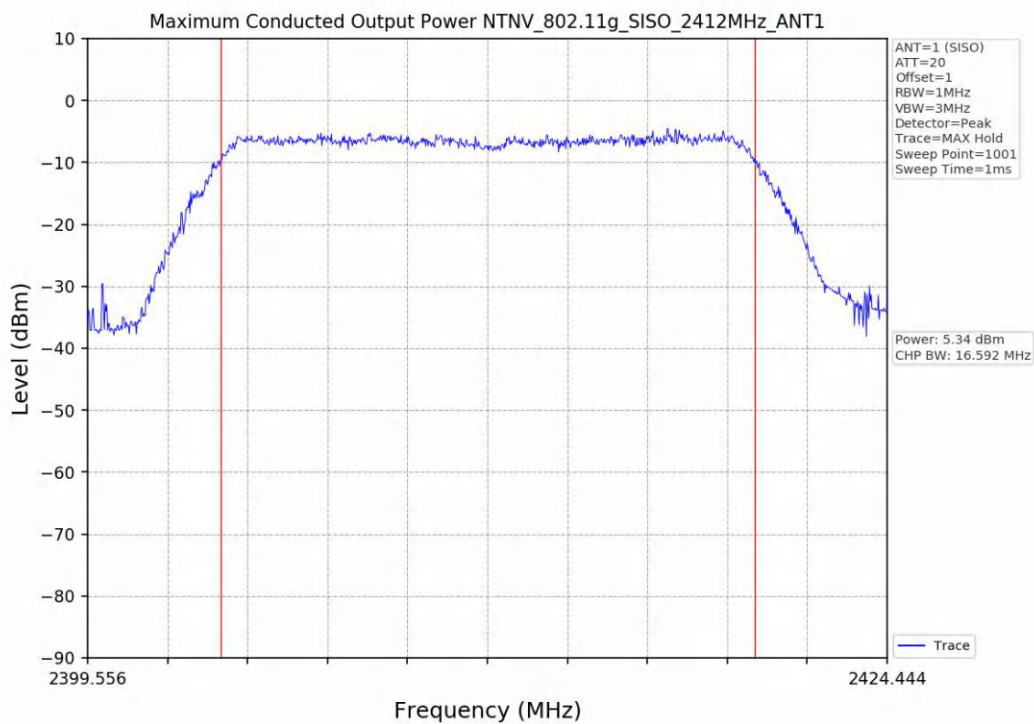
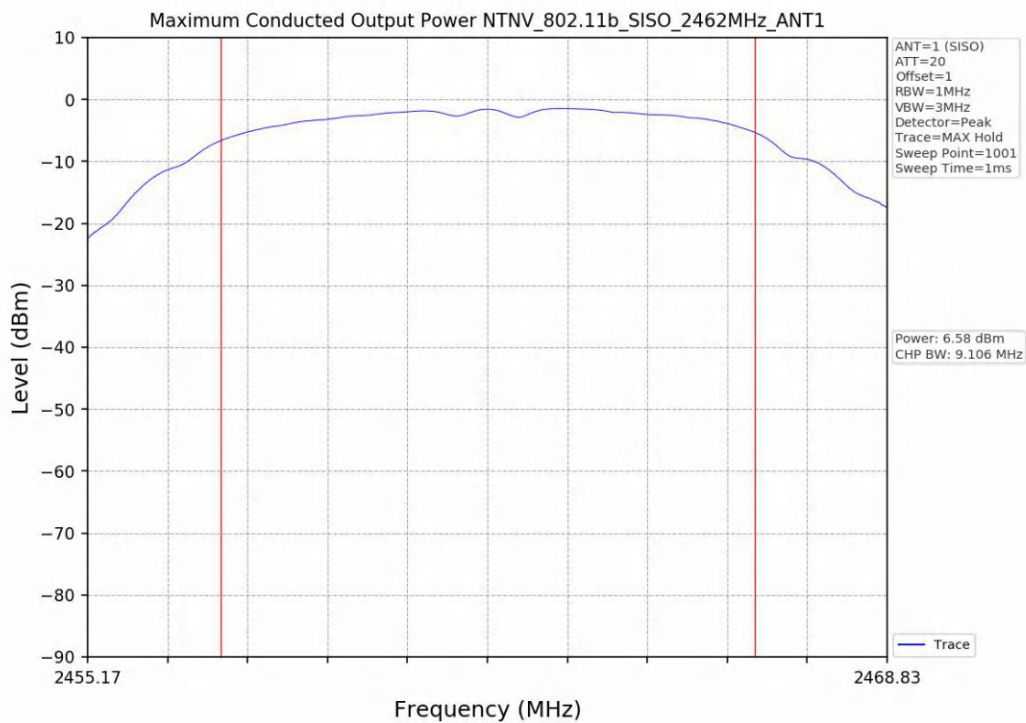
3. Maximum Conducted Output Power

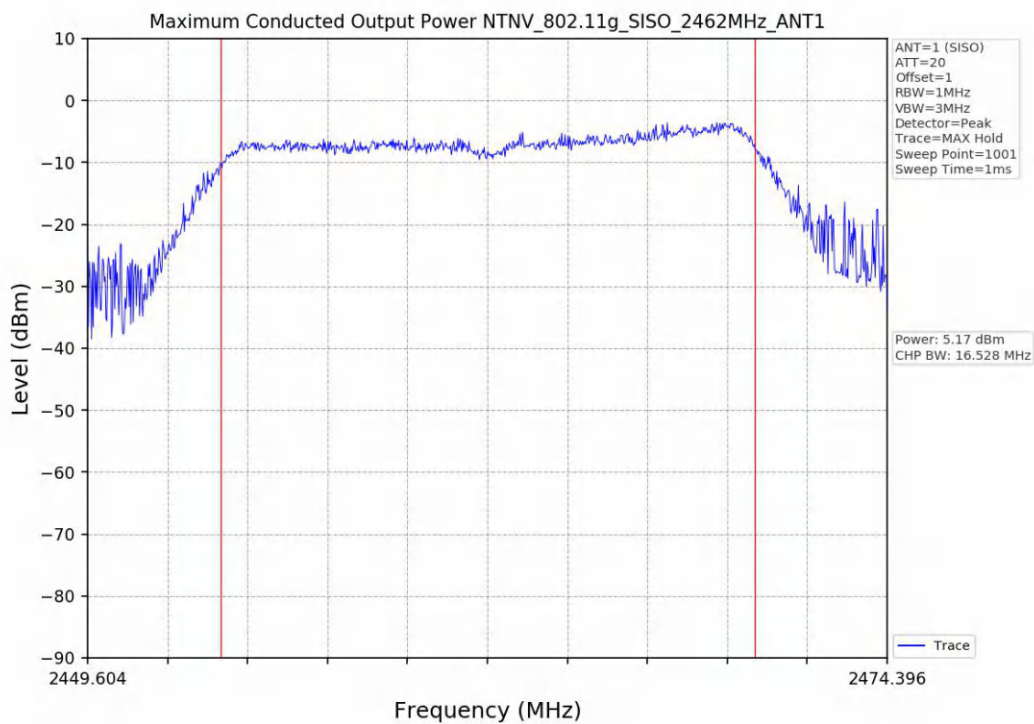
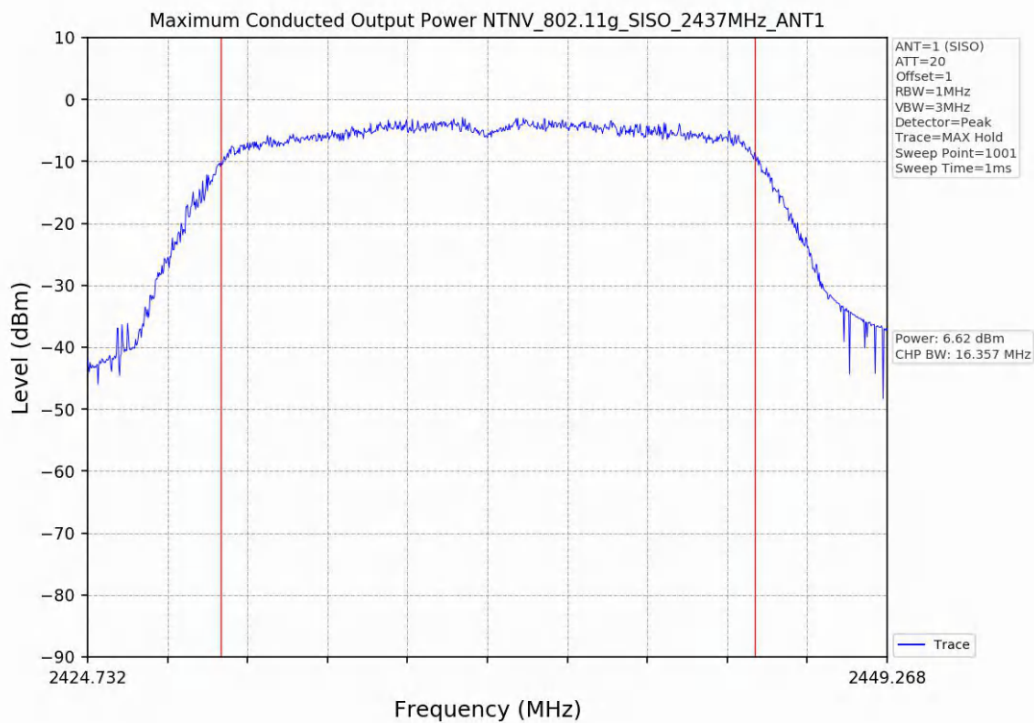
3.1 Test Result

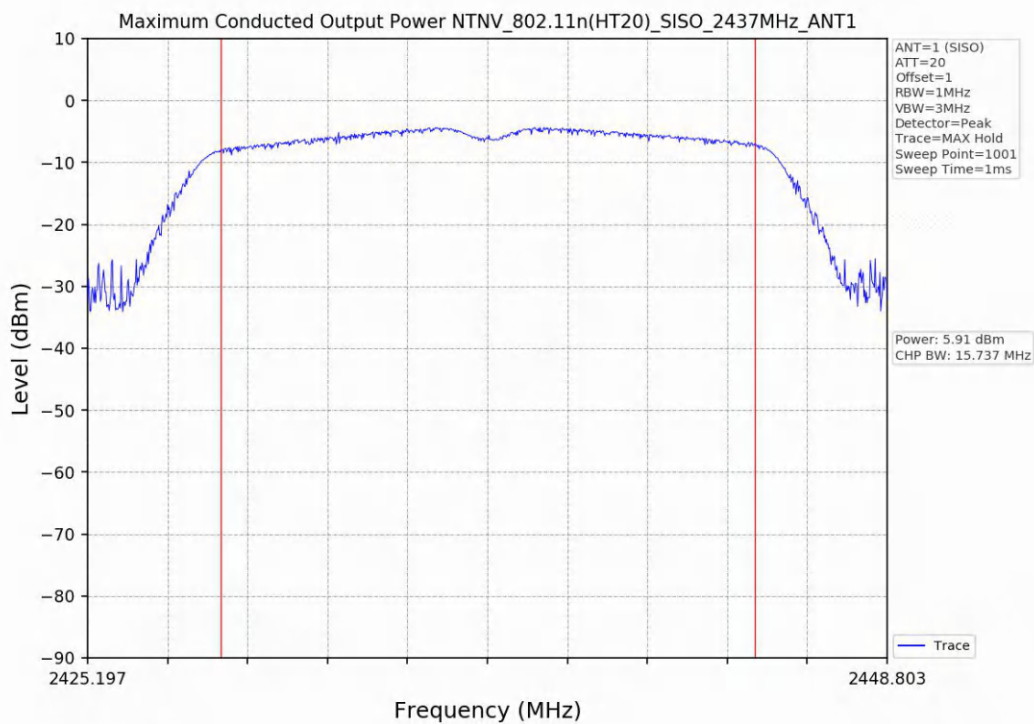
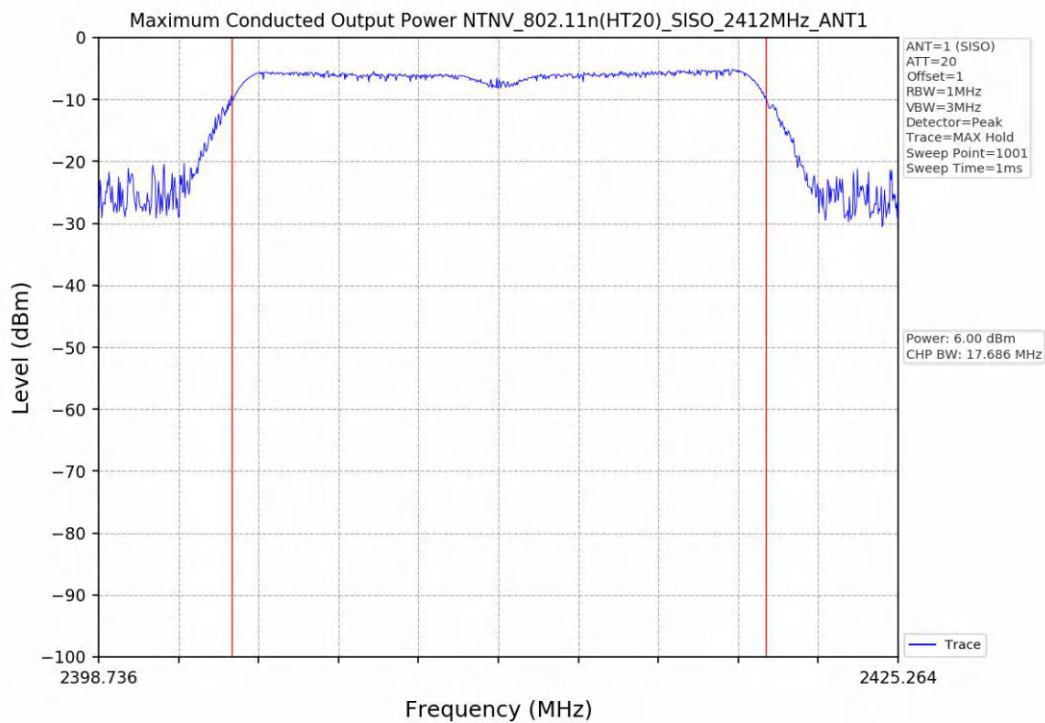
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	5.85	30	PASS
	2437	SISO	5.19	30	PASS
	2462	SISO	6.58	30	PASS
802.11g	2412	SISO	5.34	30	PASS
	2437	SISO	6.62	30	PASS
	2462	SISO	5.17	30	PASS
802.11n(HT20)	2412	SISO	6.00	30	PASS
	2437	SISO	5.91	30	PASS
	2462	SISO	6.37	30	PASS

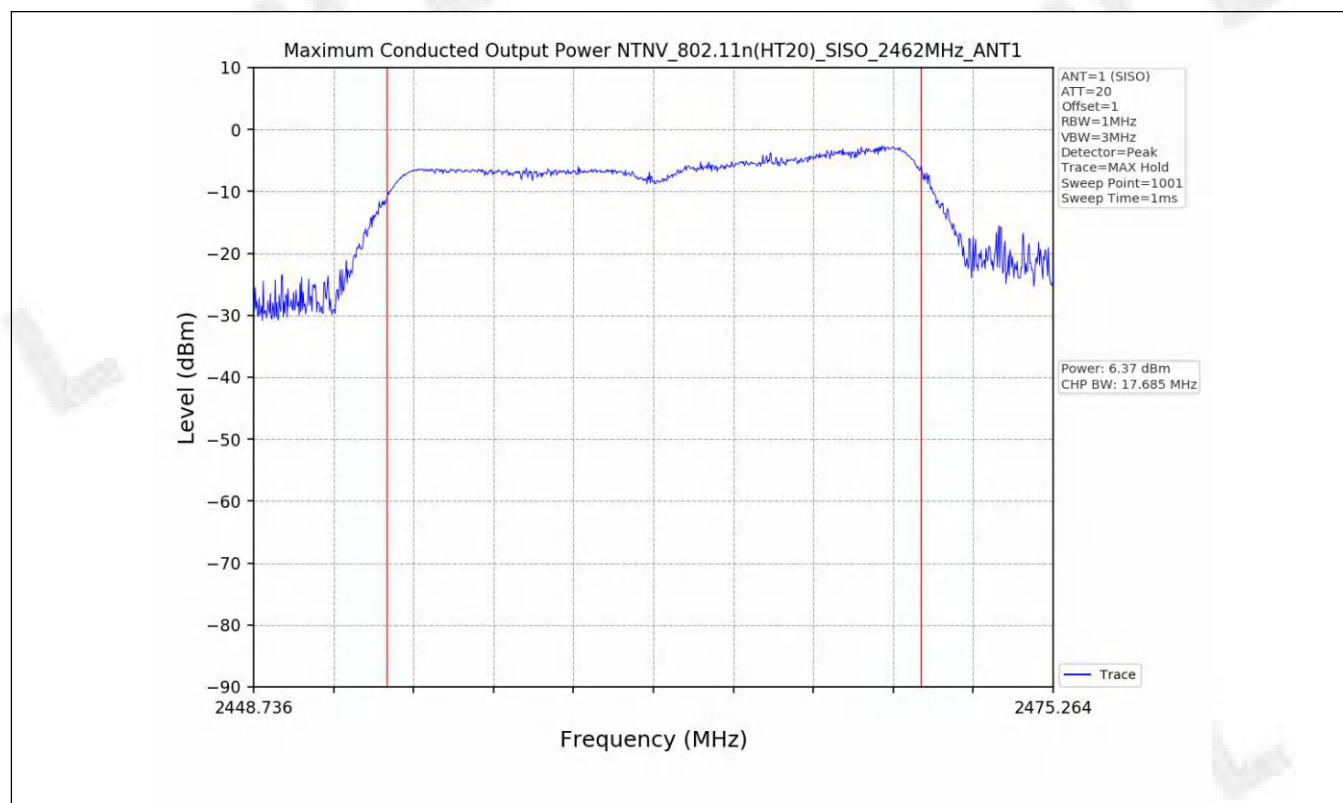
3.2 Test Graph









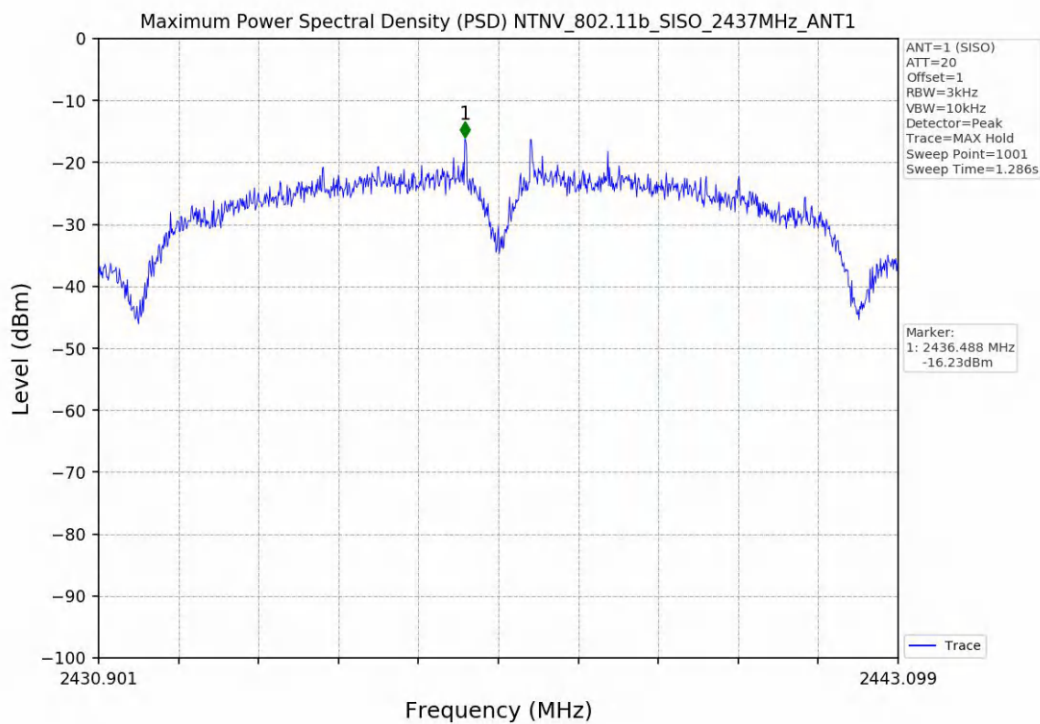
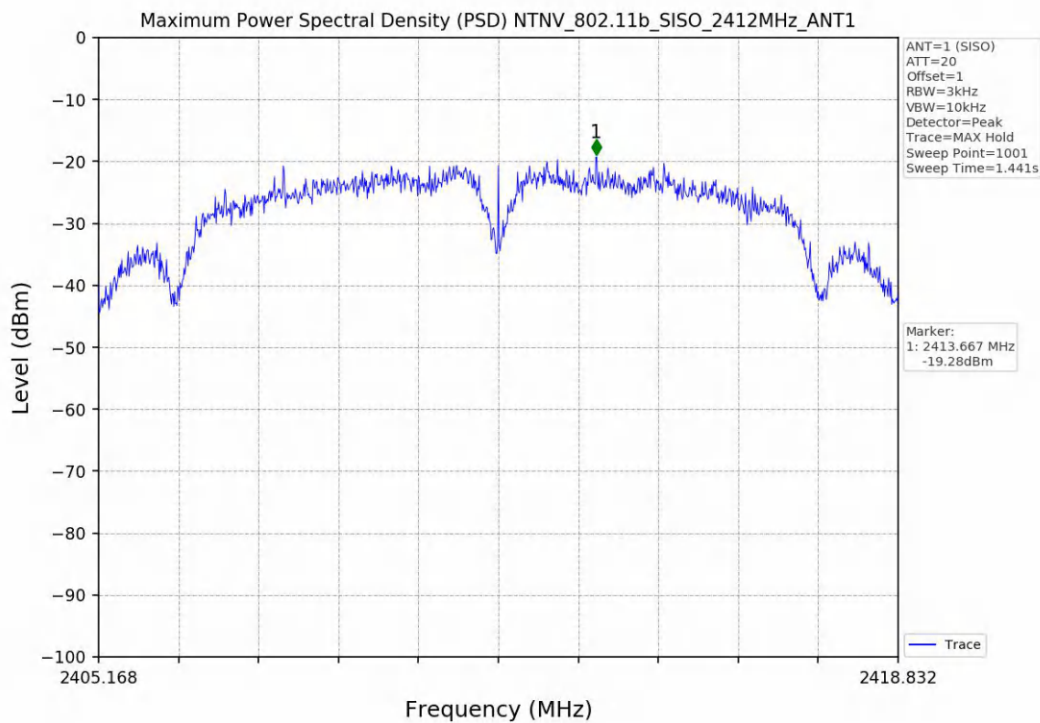


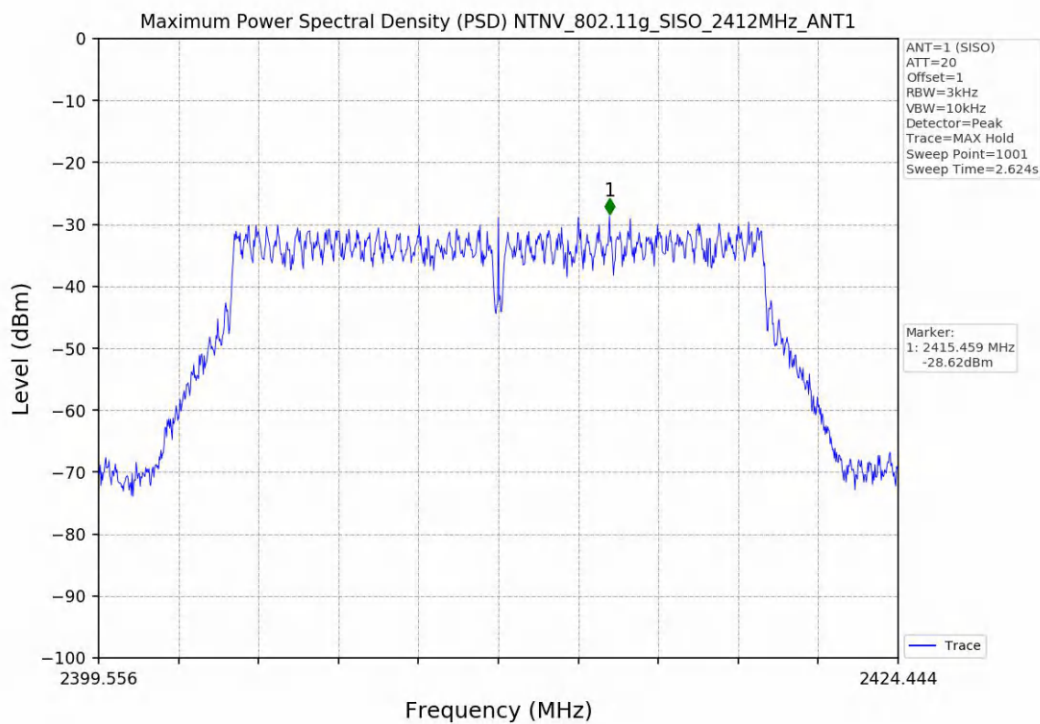
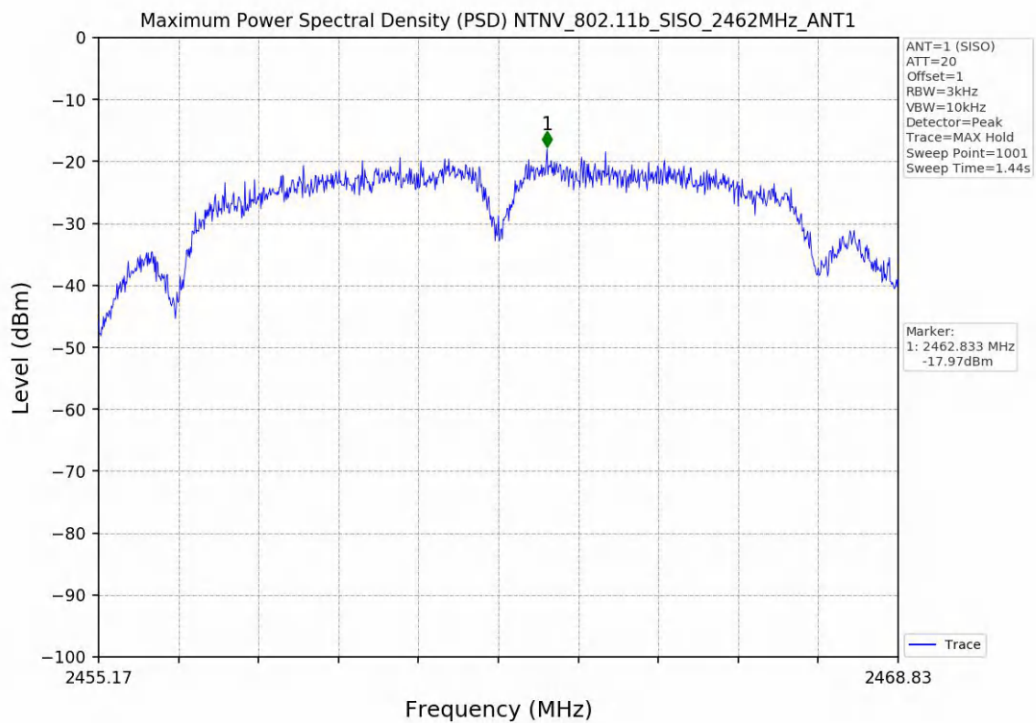
4. Maximum Power Spectral Density (PSD)

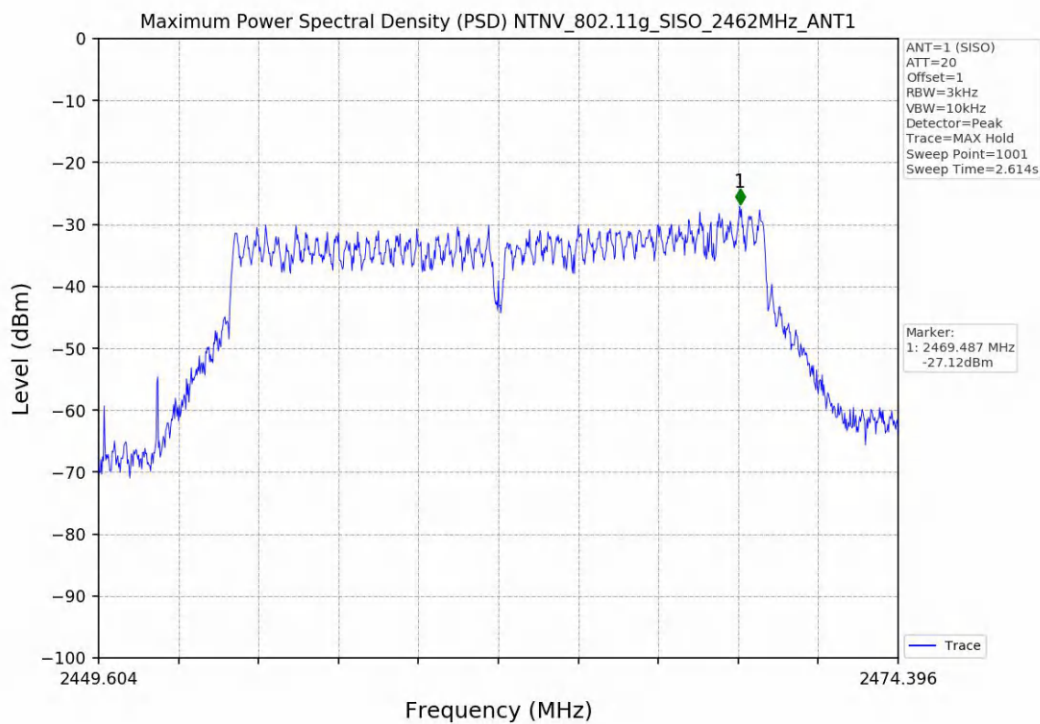
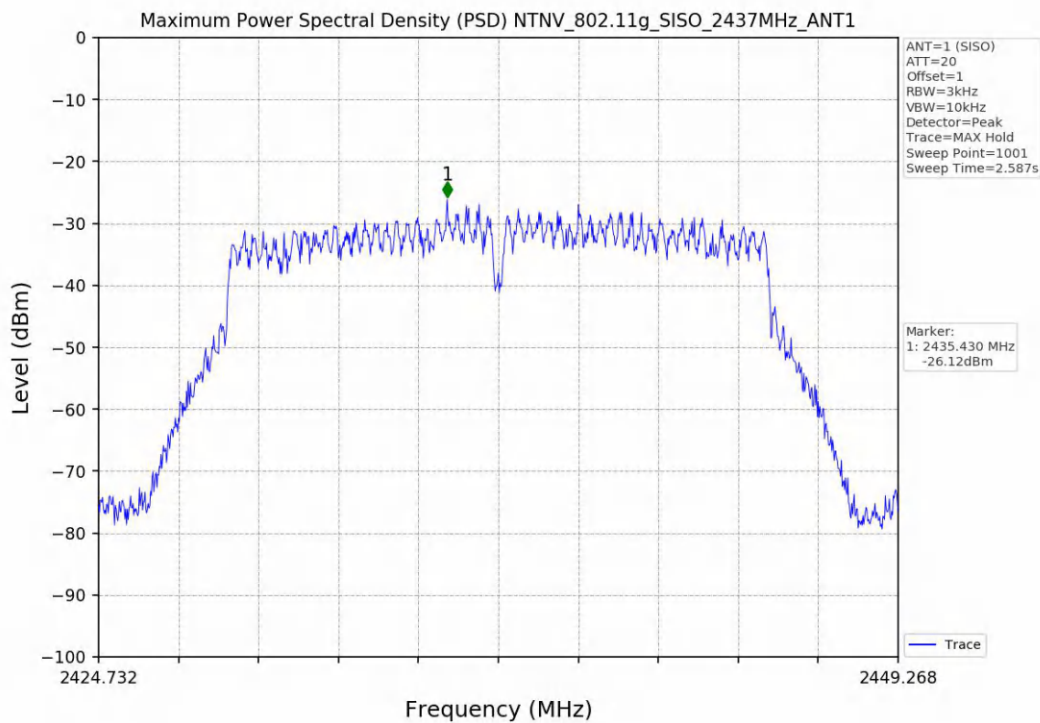
4.1 Test Result

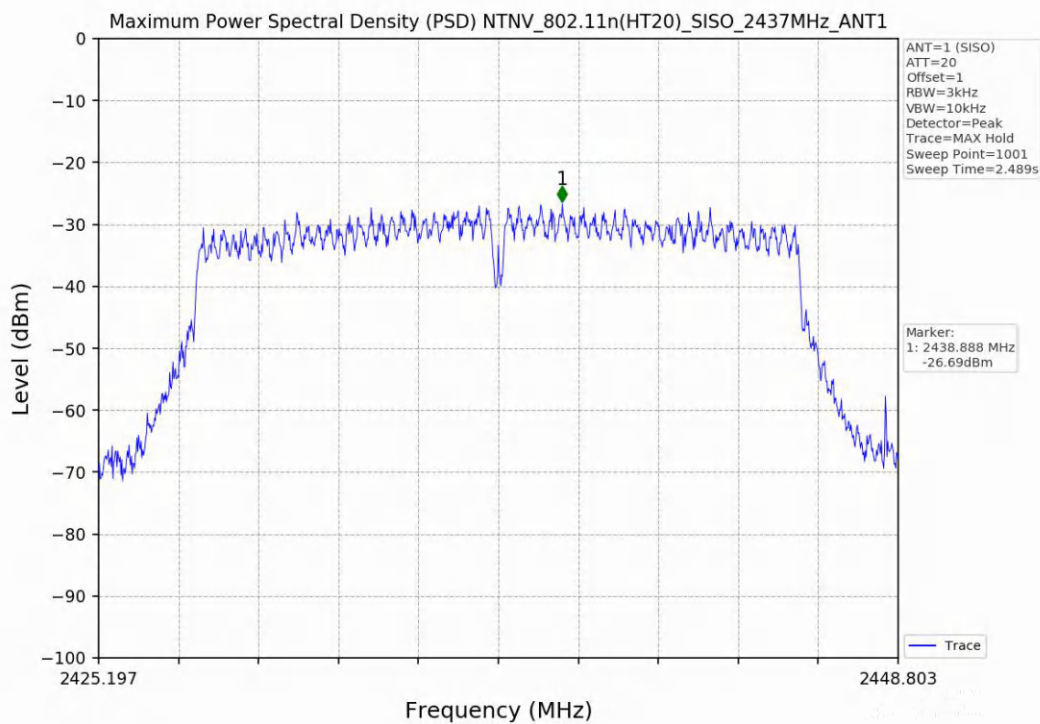
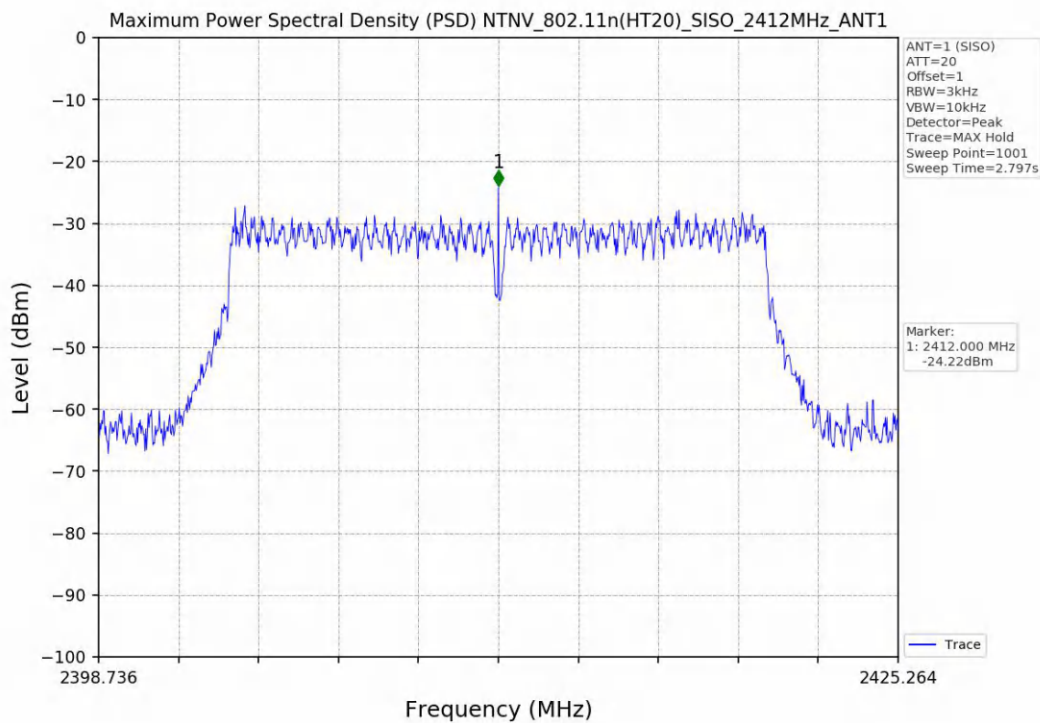
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-19.28	≤8	PASS
	2437	SISO	-16.23	≤8	PASS
	2462	SISO	-17.97	≤8	PASS
802.11g	2412	SISO	-28.62	≤8	PASS
	2437	SISO	-26.12	≤8	PASS
	2462	SISO	-27.12	≤8	PASS
802.11n(HT20)	2412	SISO	-24.22	≤8	PASS
	2437	SISO	-26.69	≤8	PASS
	2462	SISO	-24.48	≤8	PASS

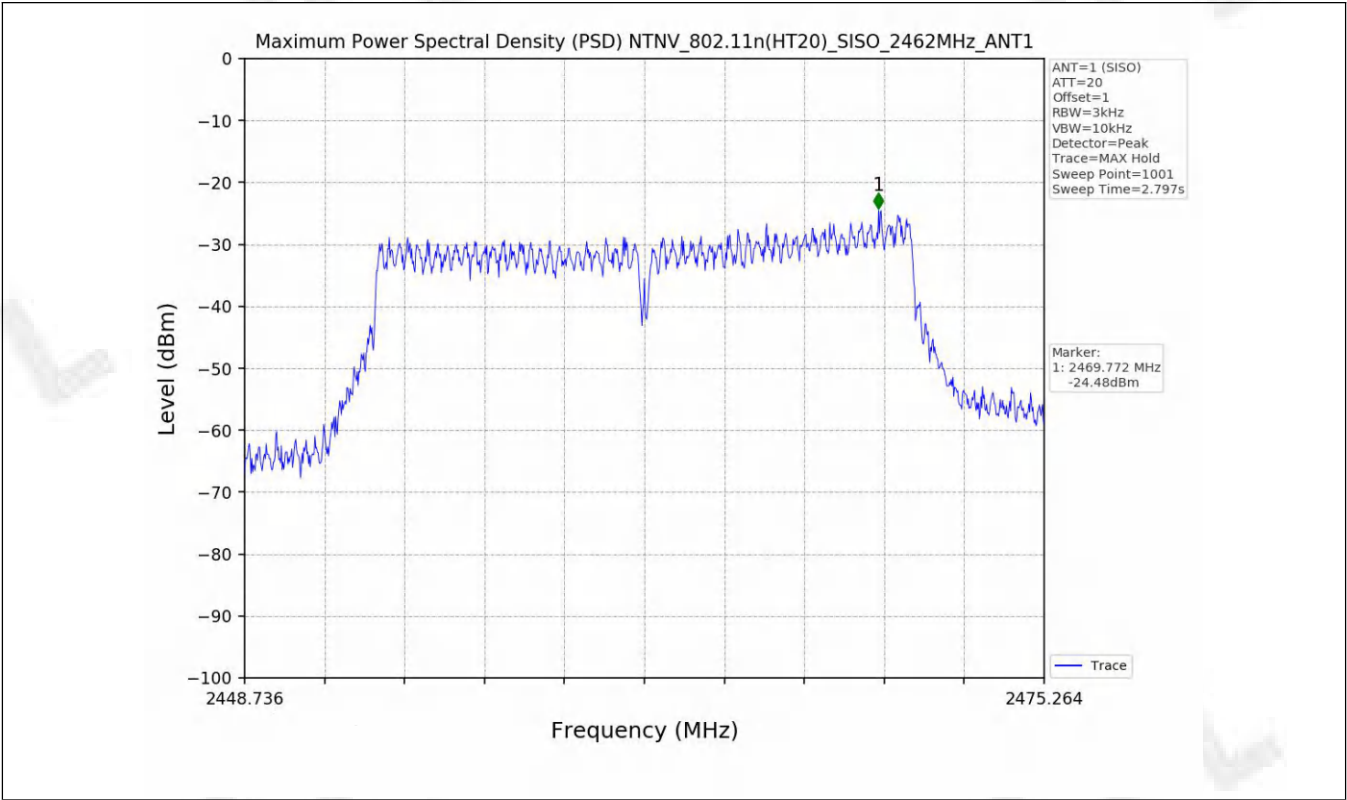
4.2 Test Graph









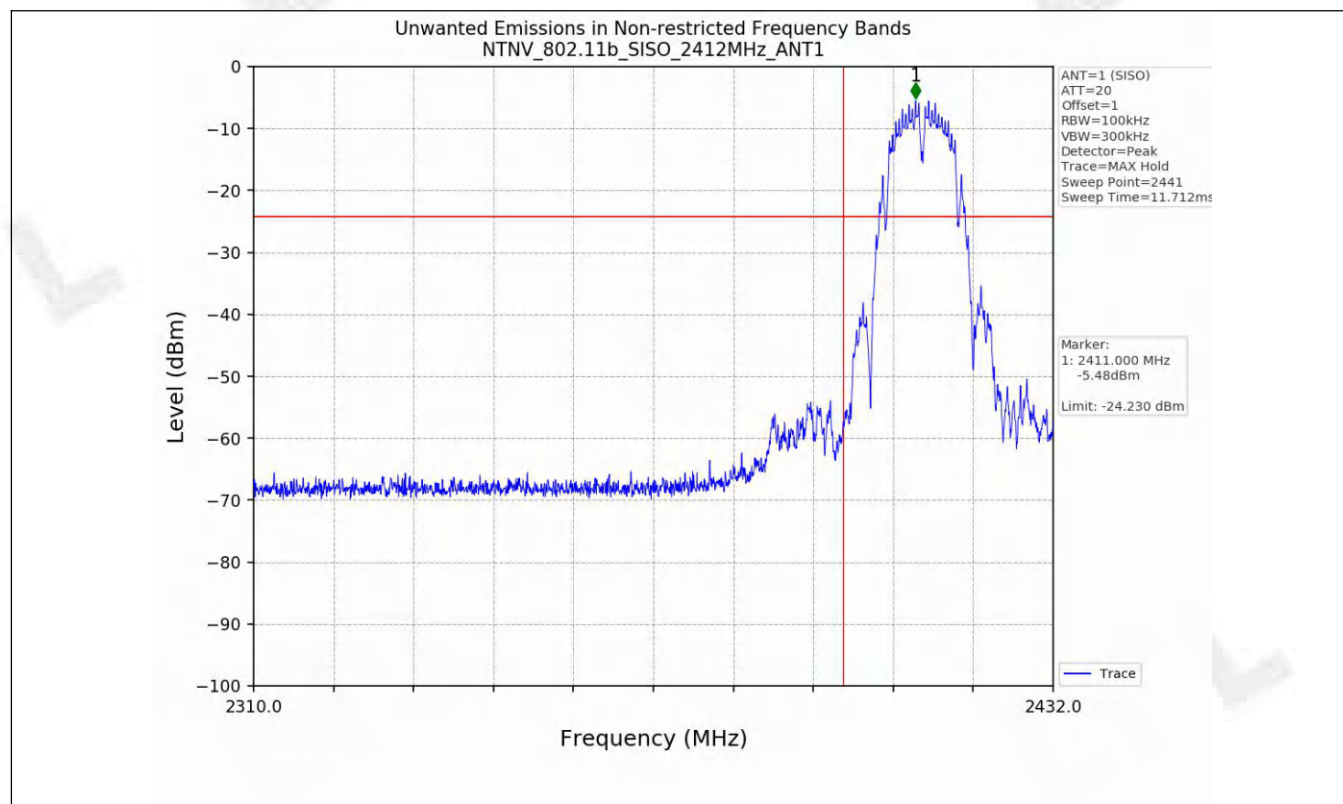
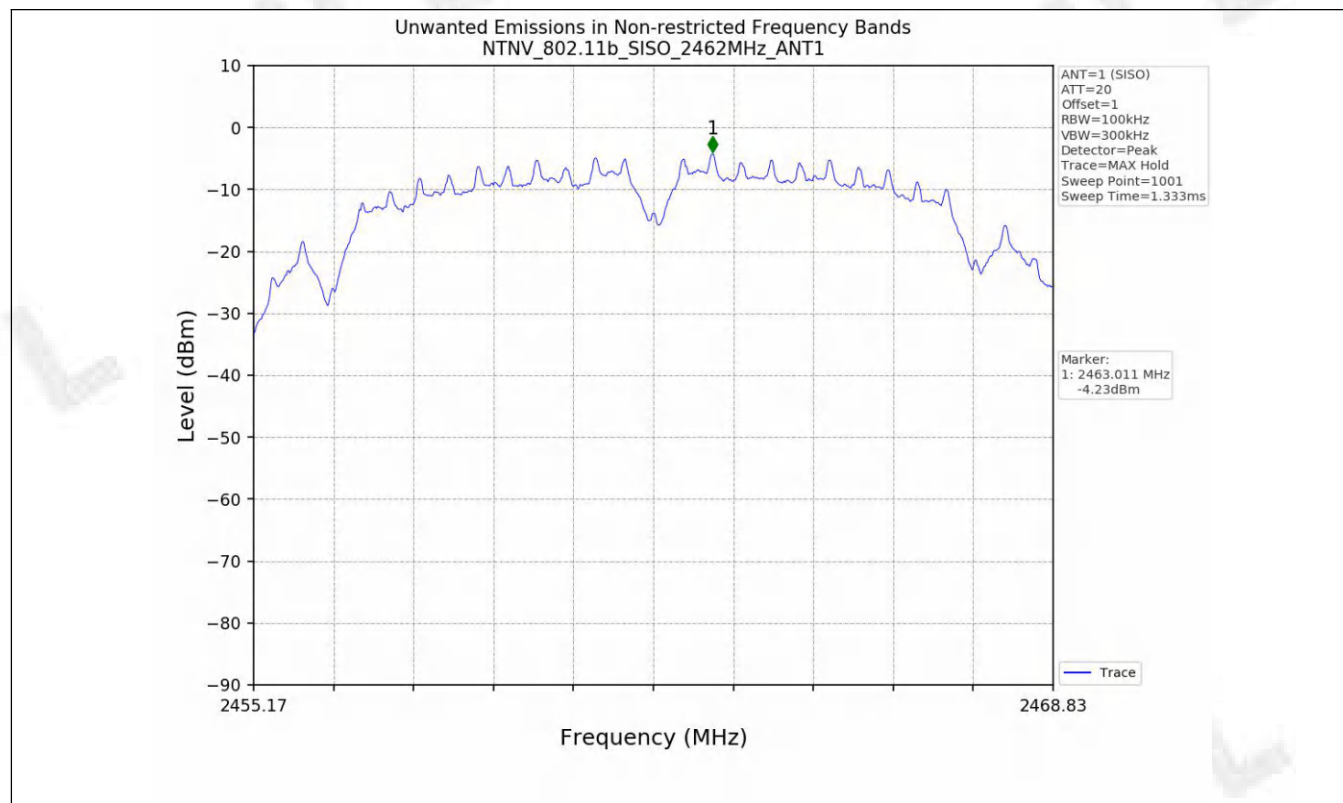


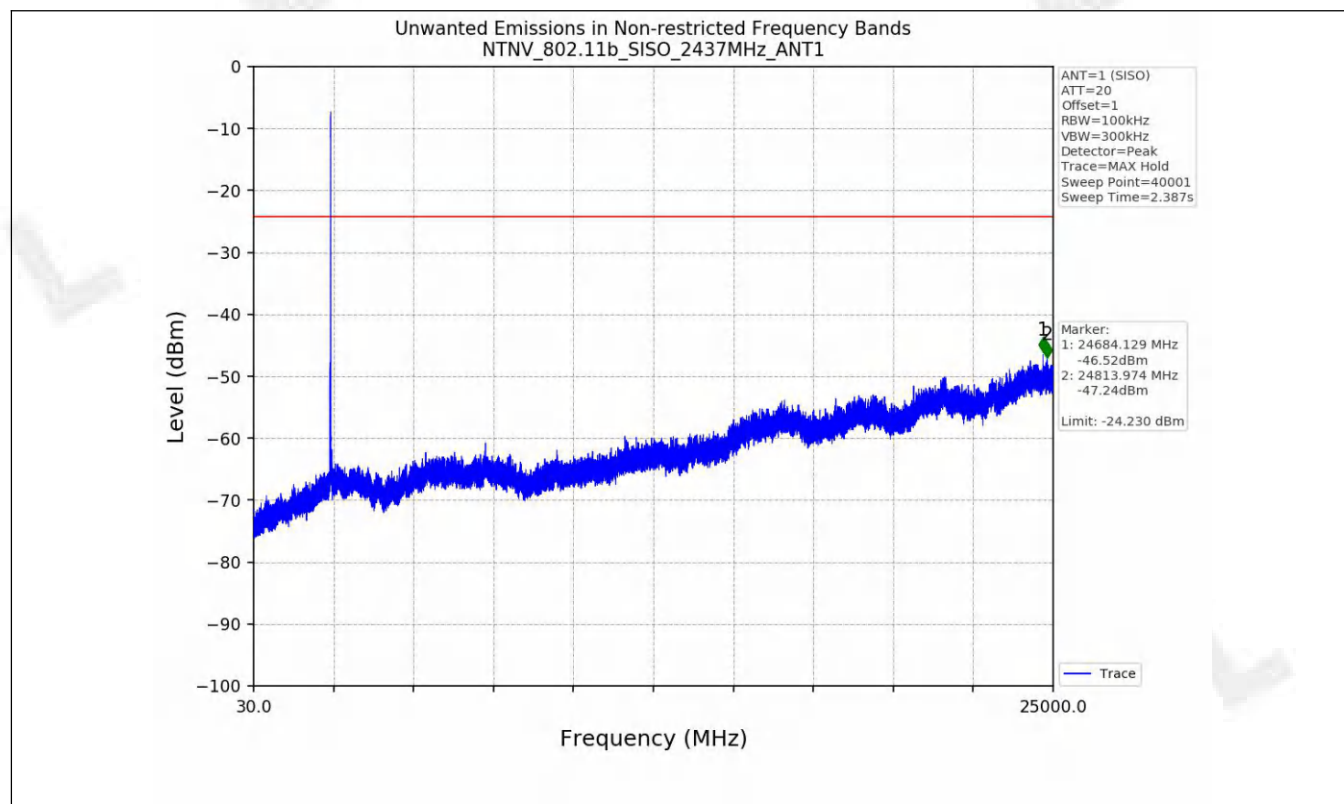
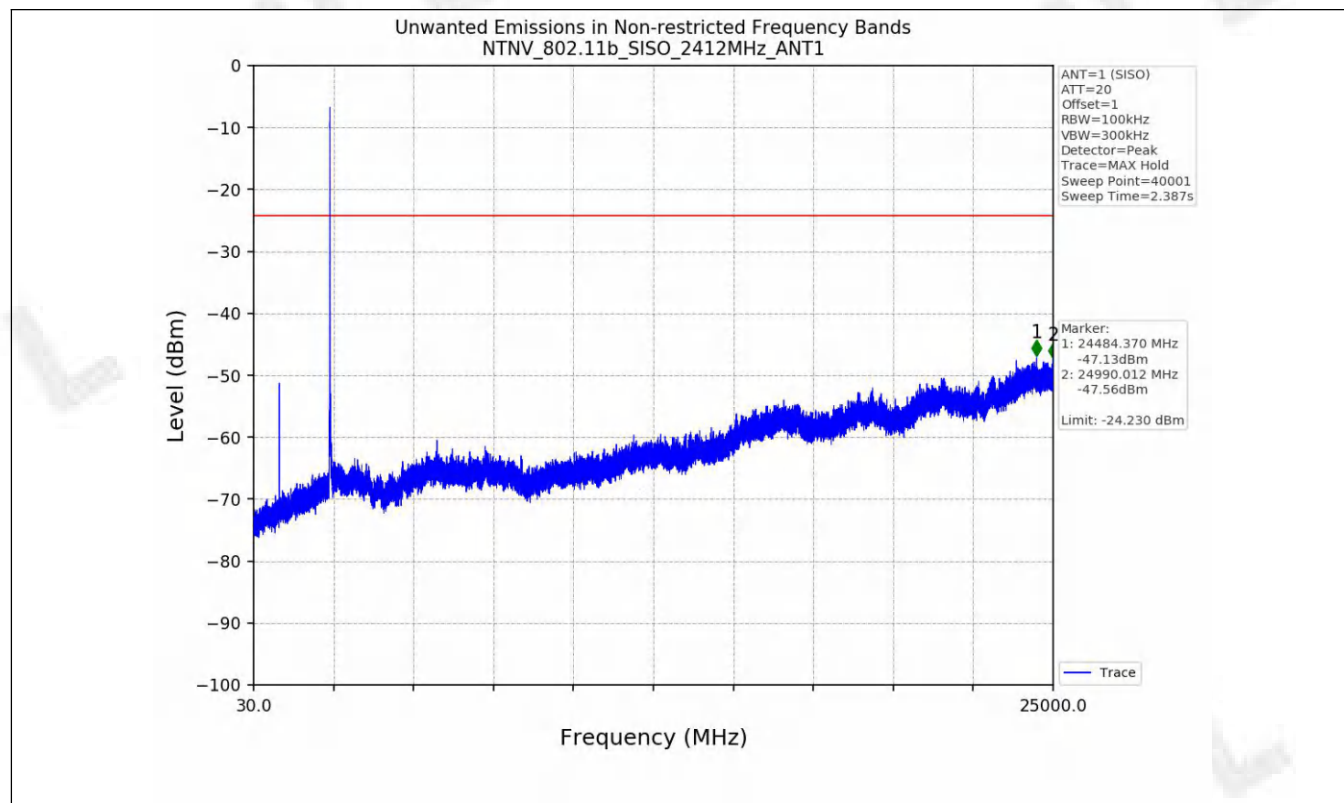
5. Unwanted Emissions in Non-restricted Frequency Bands

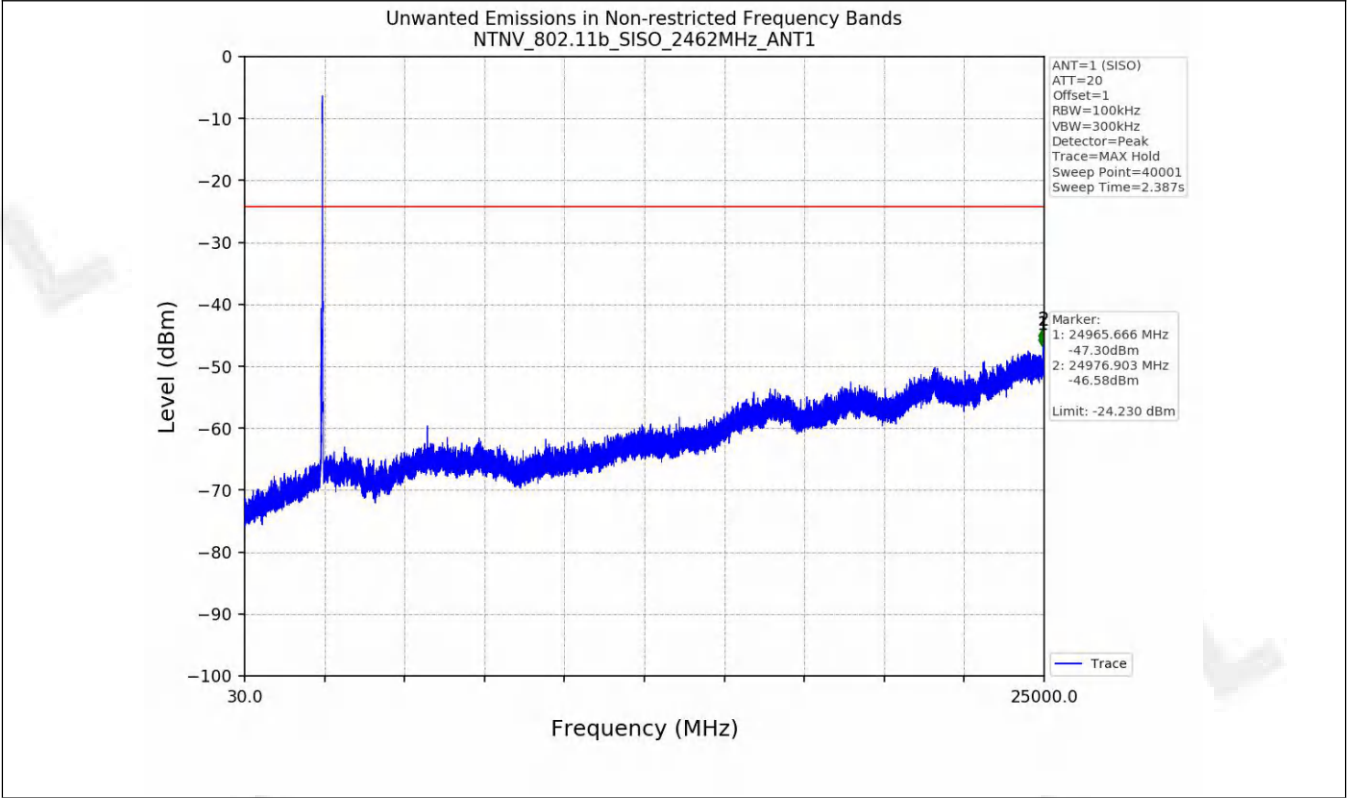
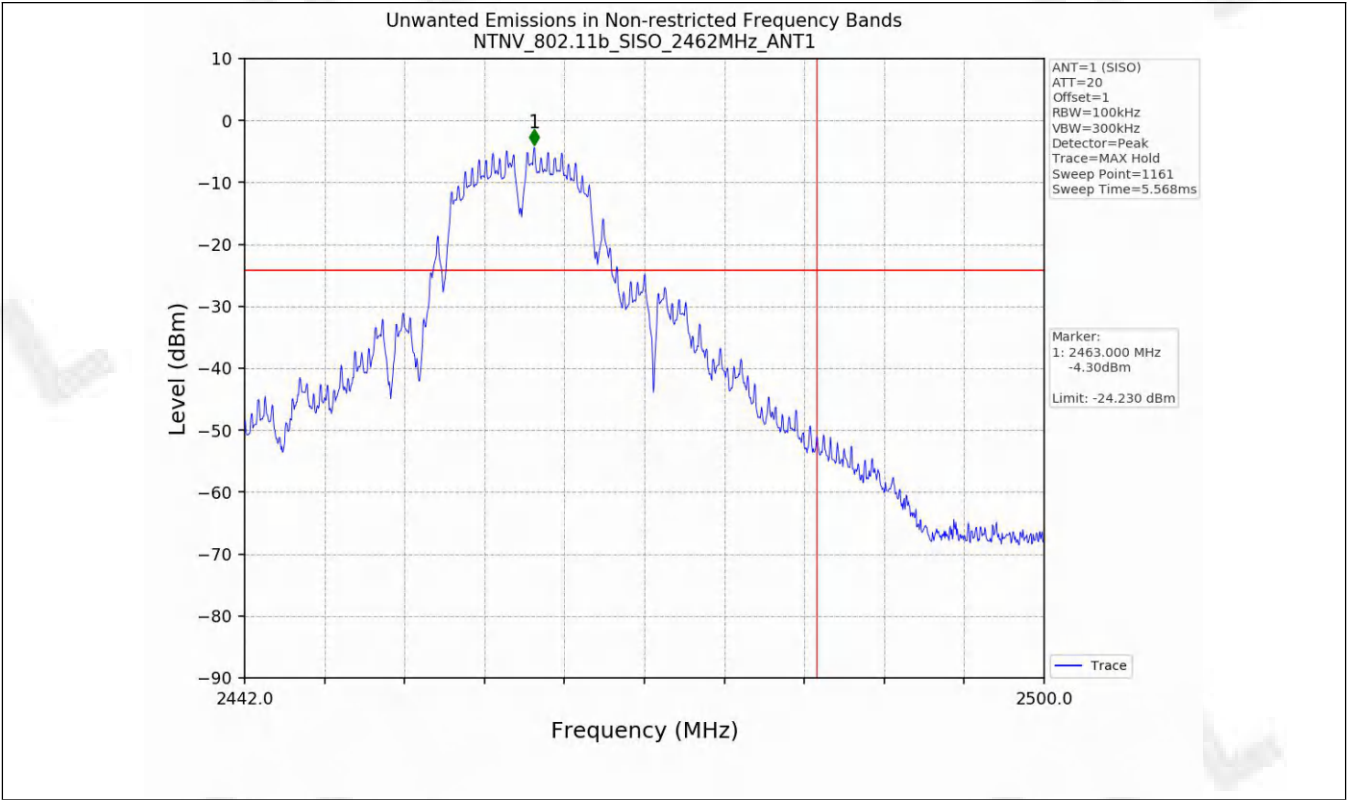
5.1 Test Result

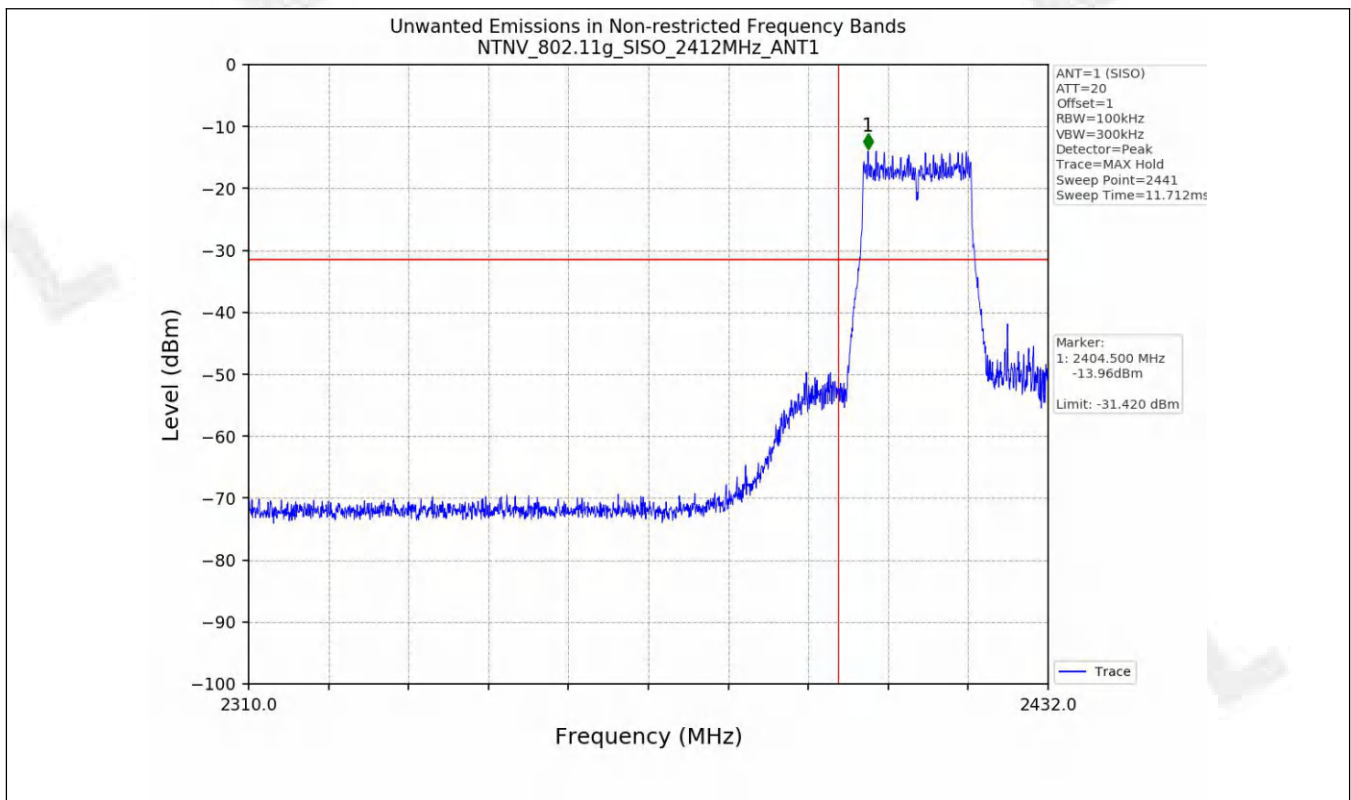
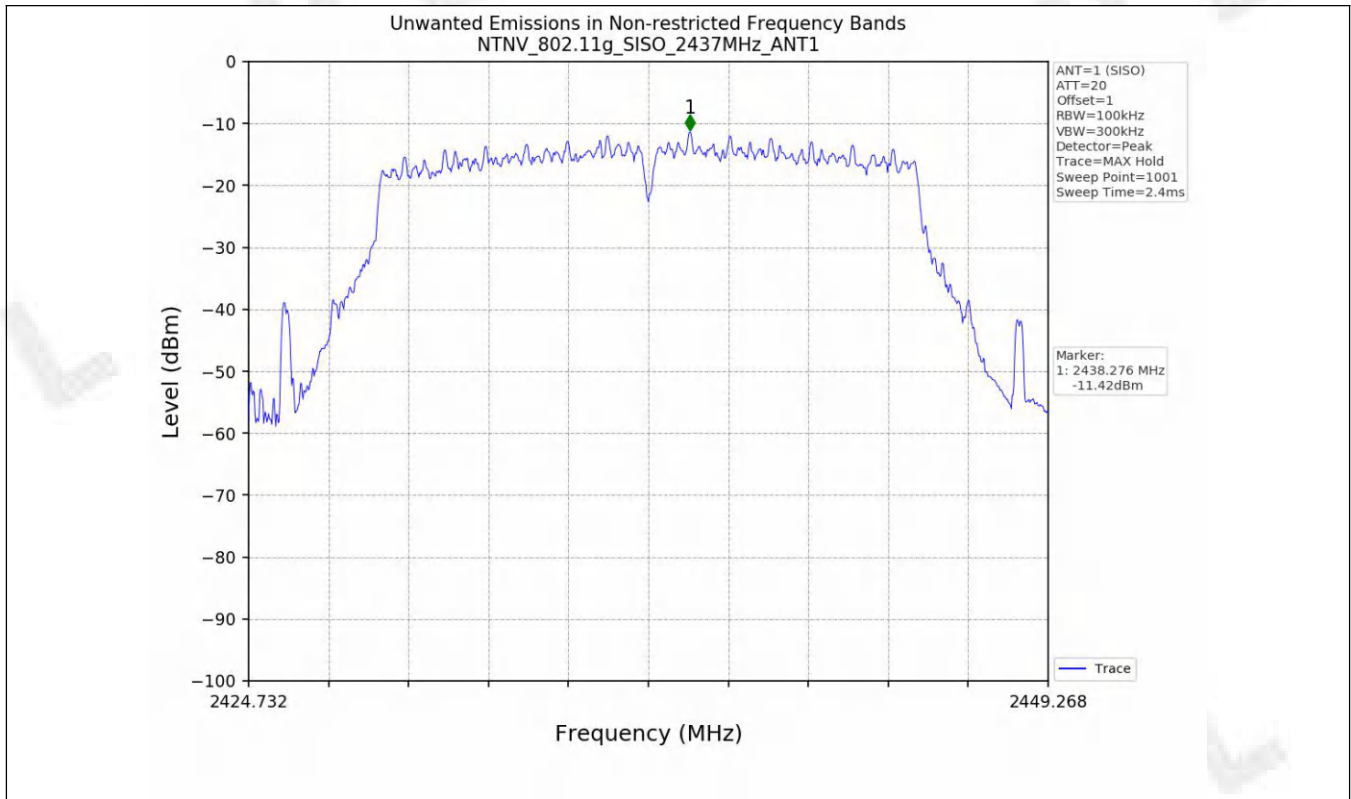
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-24.23	PASS
	2437	SISO	1	Refer to test graph	-24.23	PASS
	2462	SISO	1	Refer to test graph	-24.23	PASS
802.11g	2412	SISO	1	Refer to test graph	-31.42	PASS
	2437	SISO	1	Refer to test graph	-31.42	PASS
	2462	SISO	1	Refer to test graph	-31.42	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-31.08	PASS
	2437	SISO	1	Refer to test graph	-31.08	PASS
	2462	SISO	1	Refer to test graph	-31.08	PASS

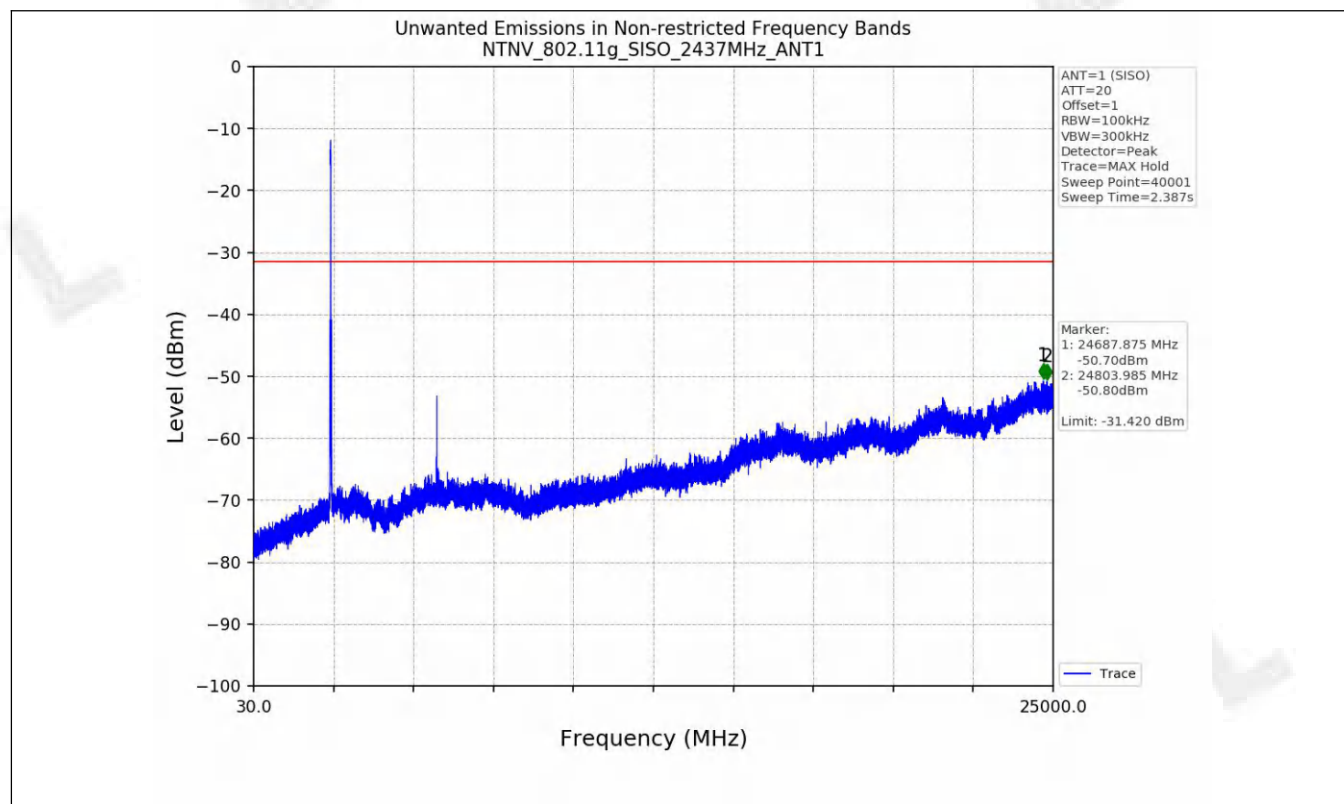
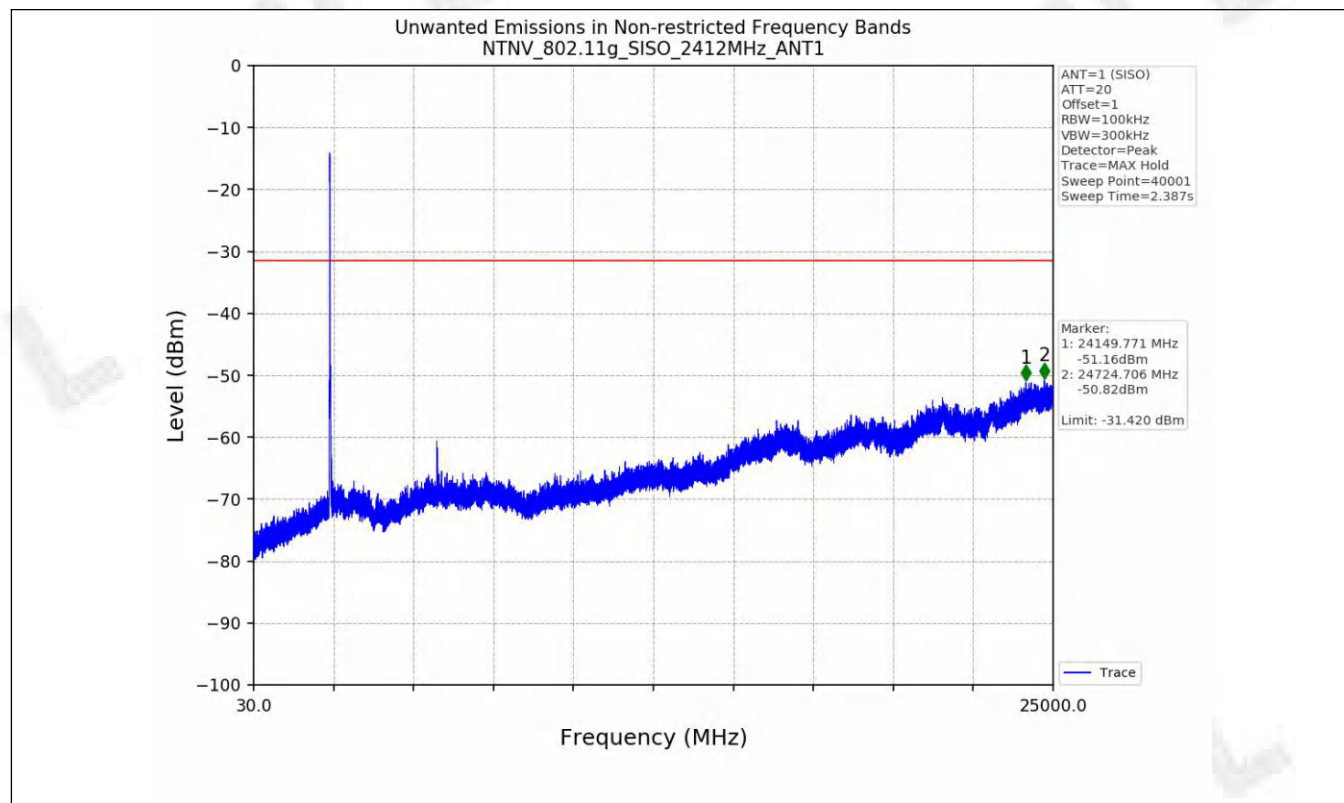
5.2 Test Graph

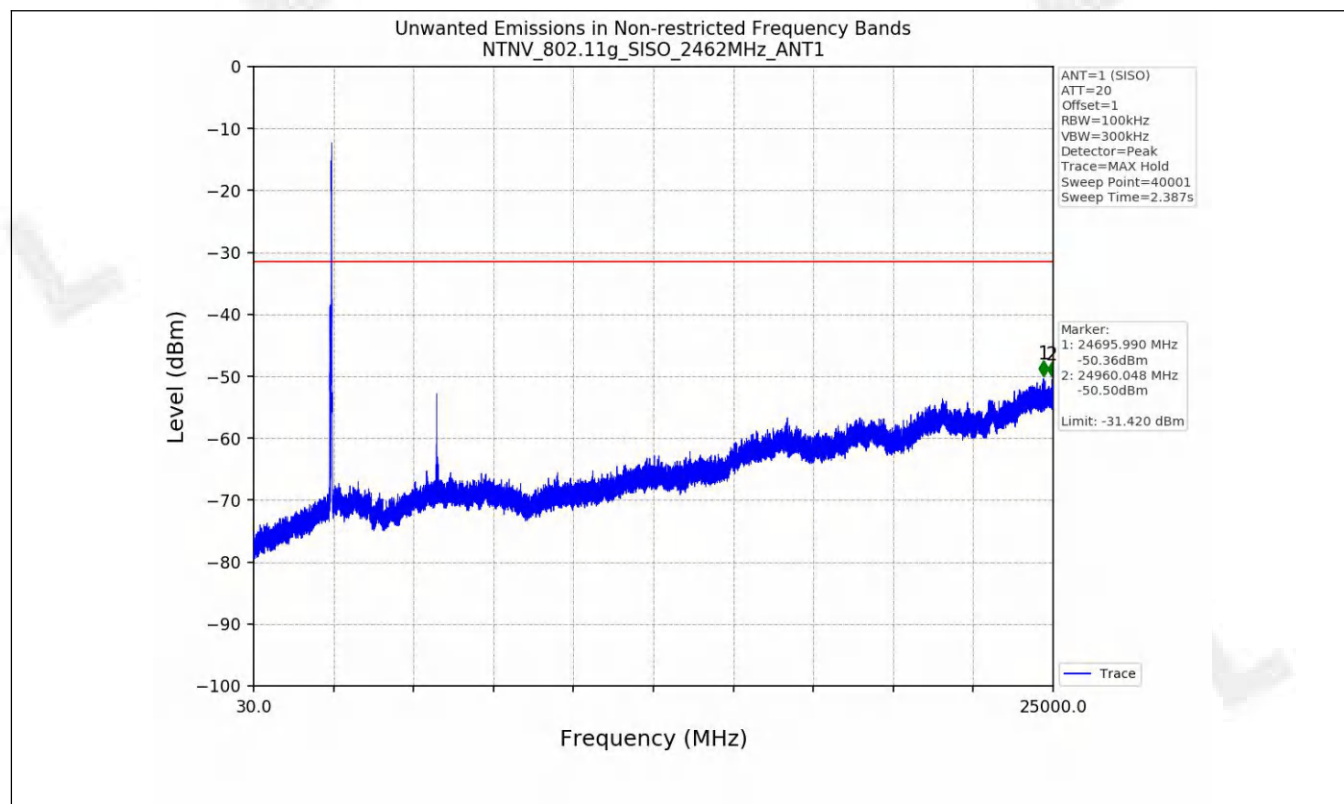
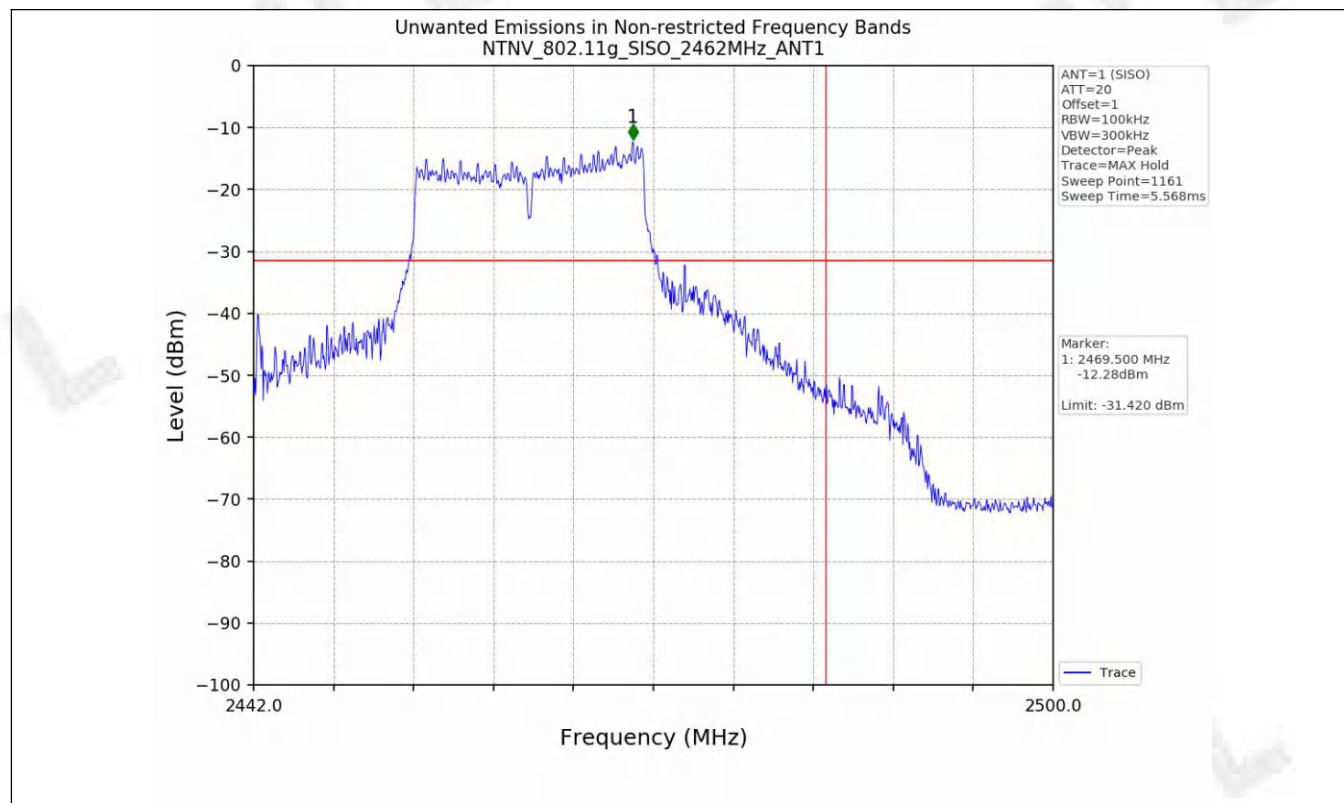


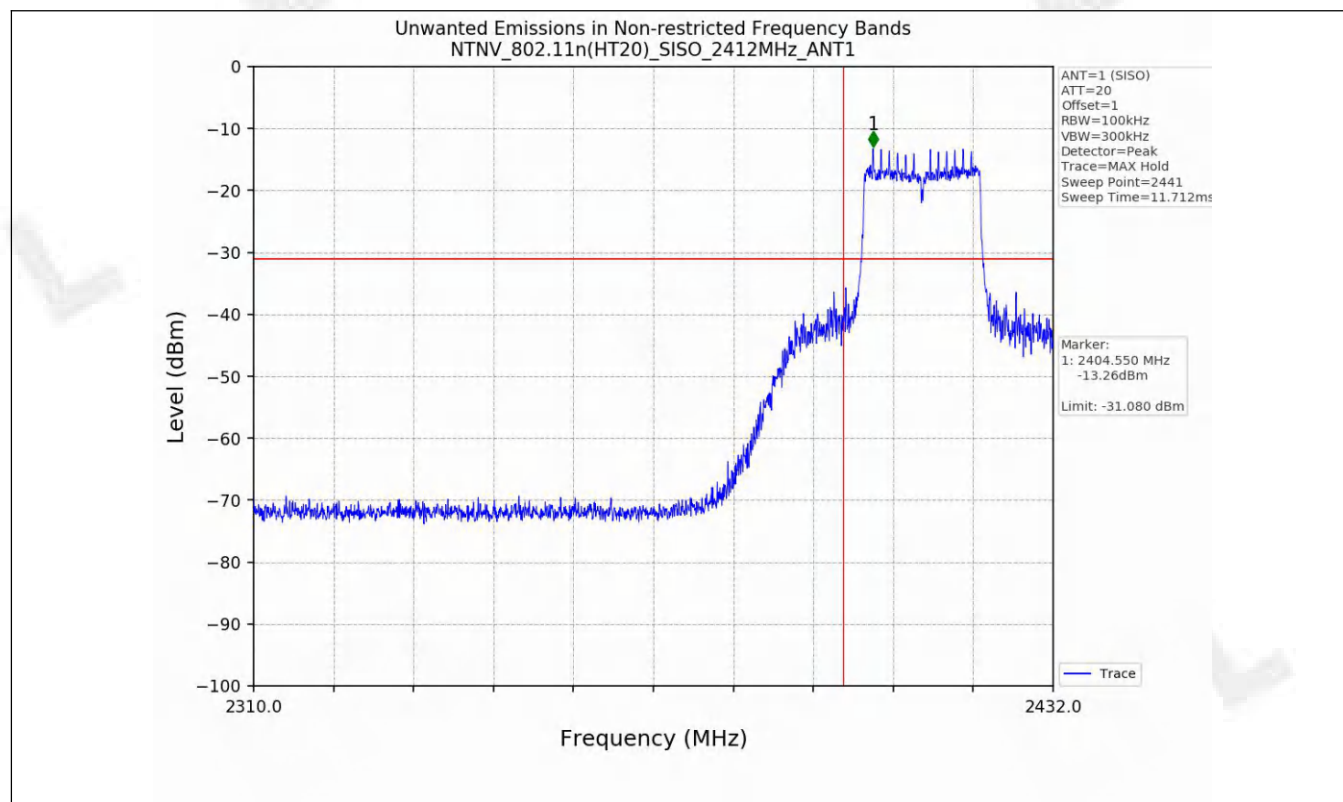
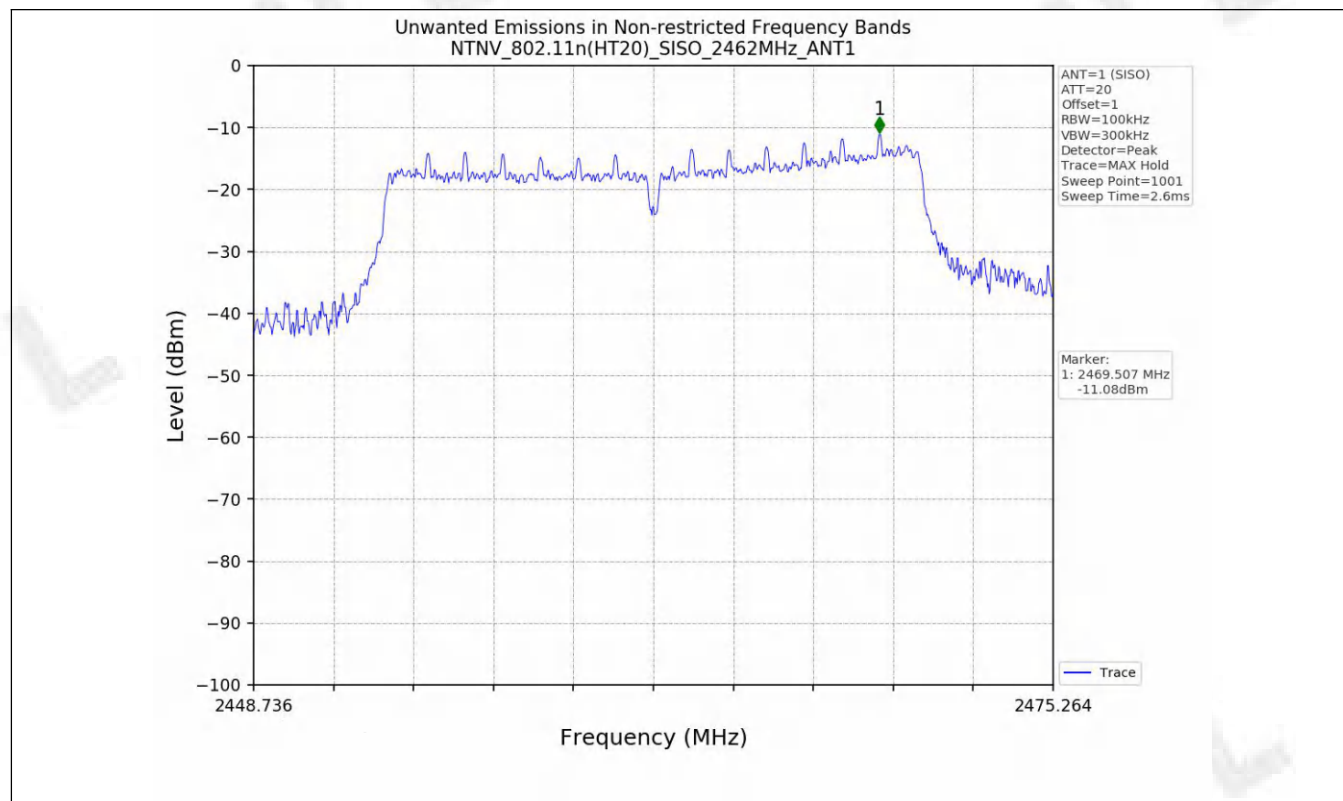


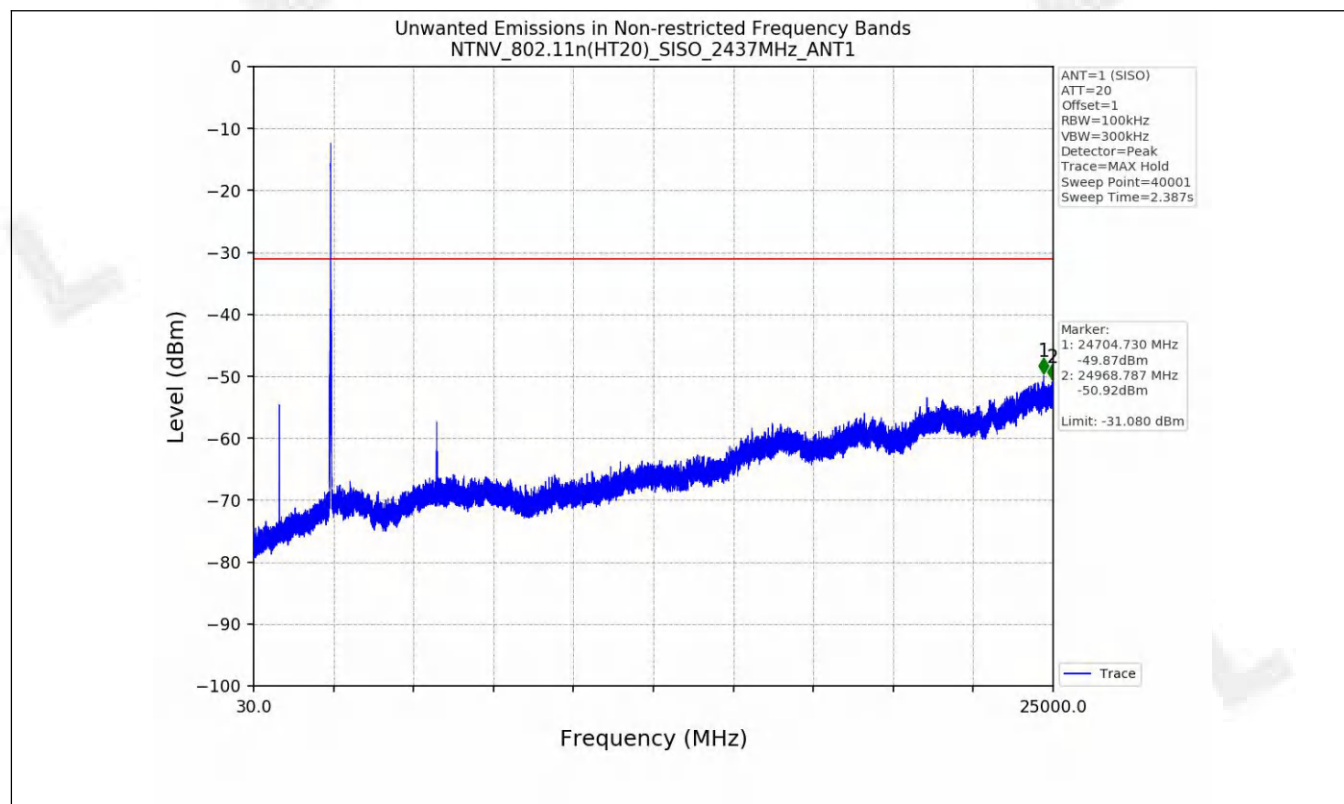
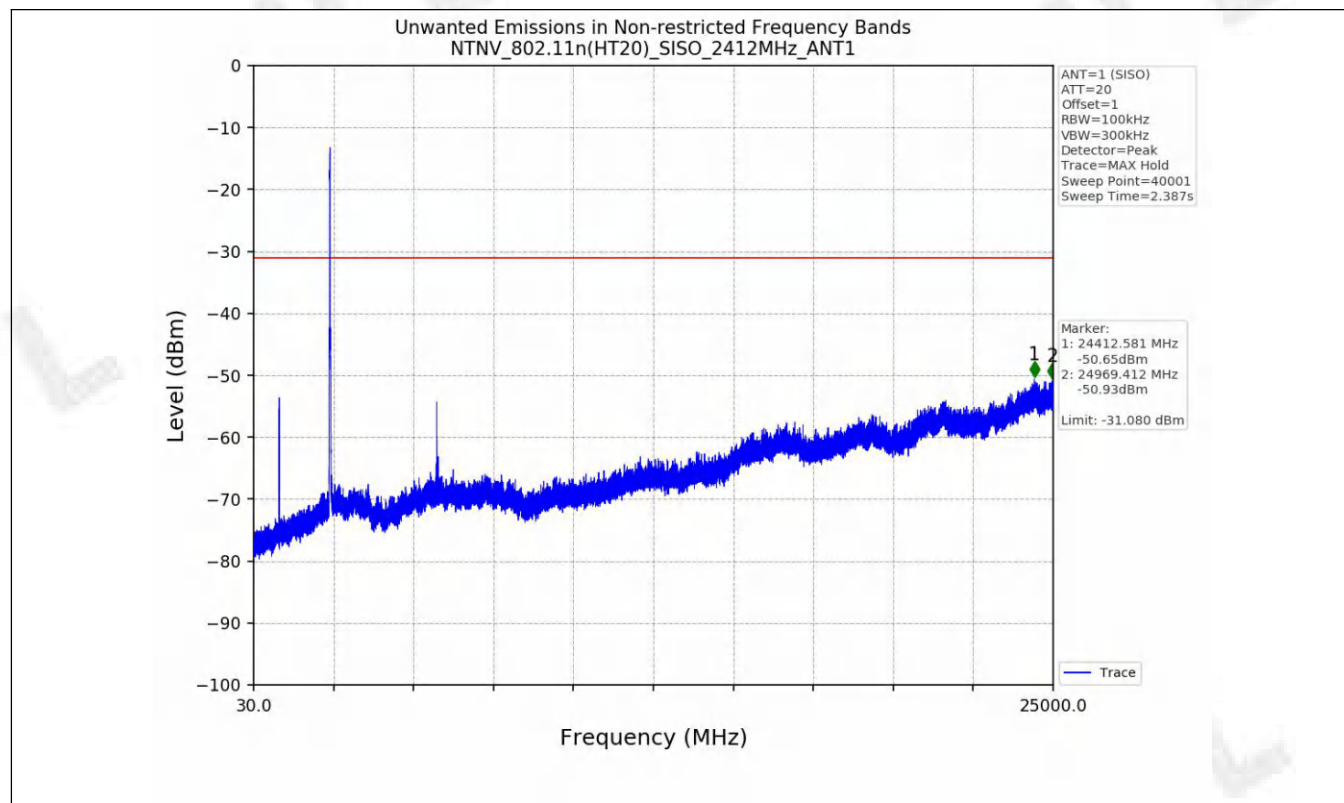


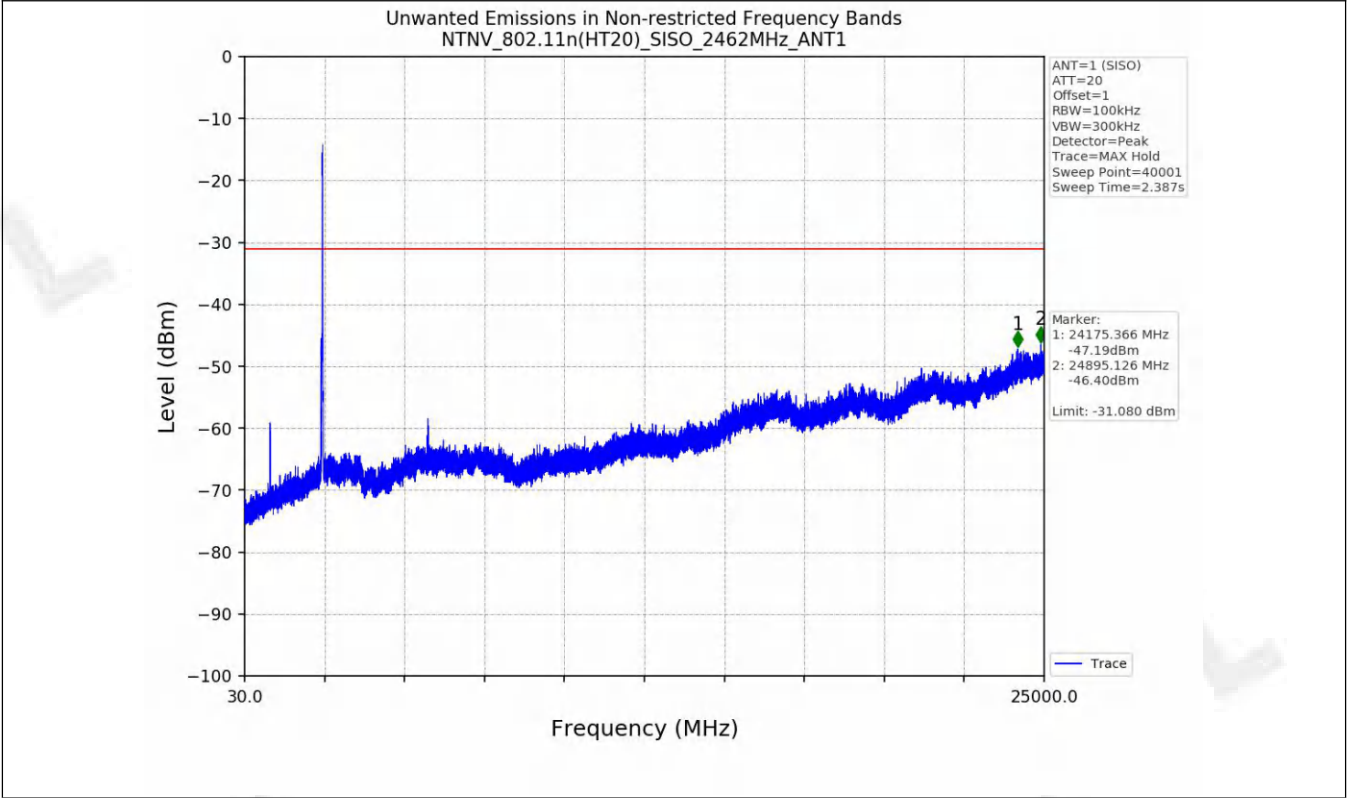
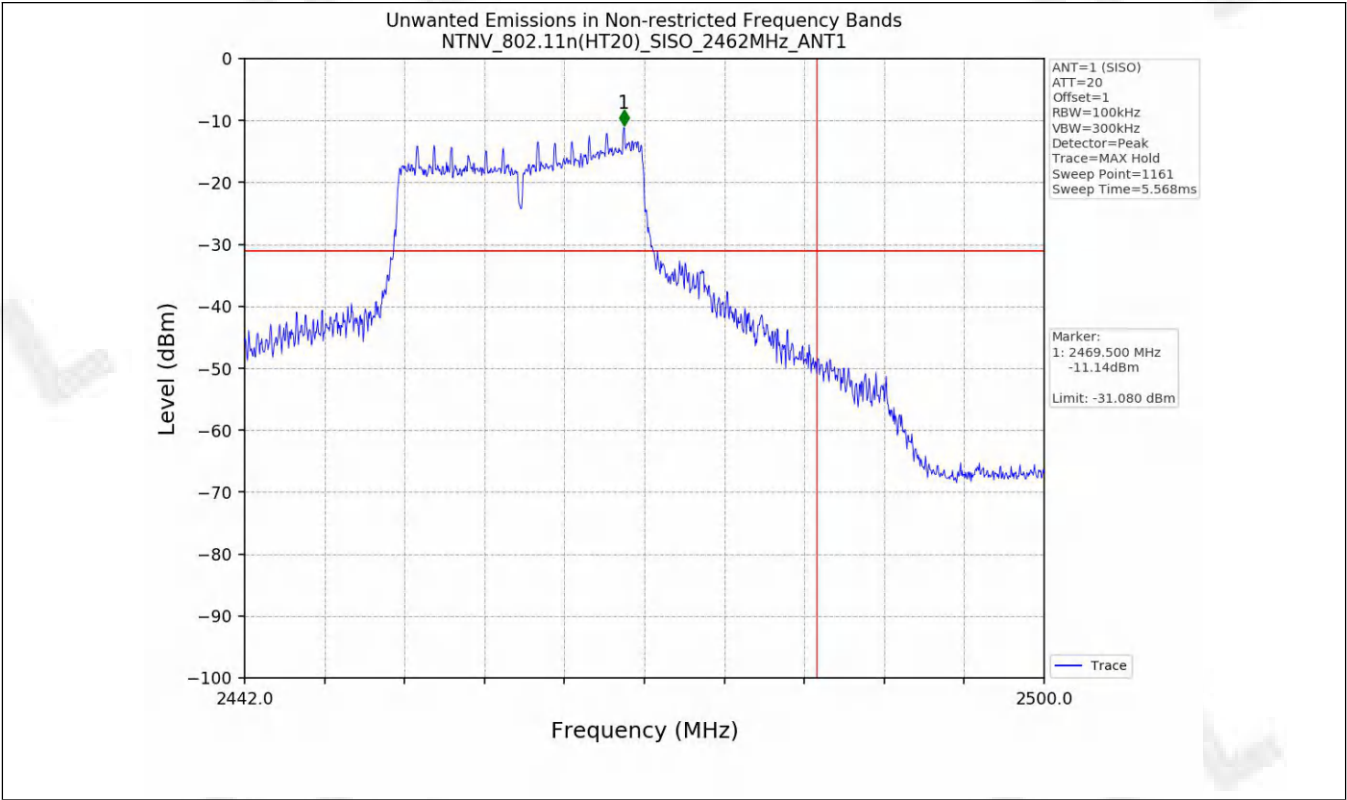












6. Frequency Error

6.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT	Measured Frequency (MHz)		Verdict
				Test Result	Limit	
802.11b	2412	SISO	1	2412.02	2400-2483.5	PASS
	2437	SISO	1	2437.00	2400-2483.5	PASS
	2462	SISO	1	2462.04	2400-2483.5	PASS

6.2 Test Graph

