

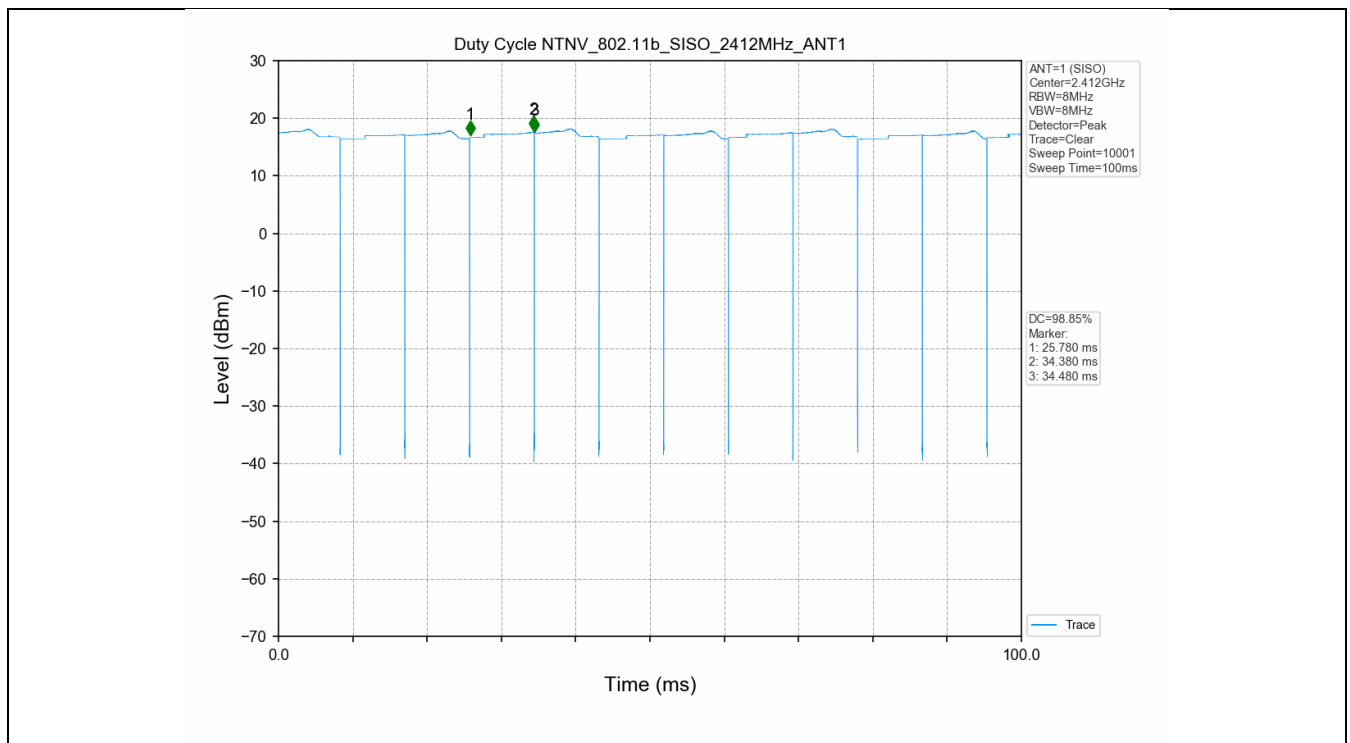
Appendix A for SHEM200900789501

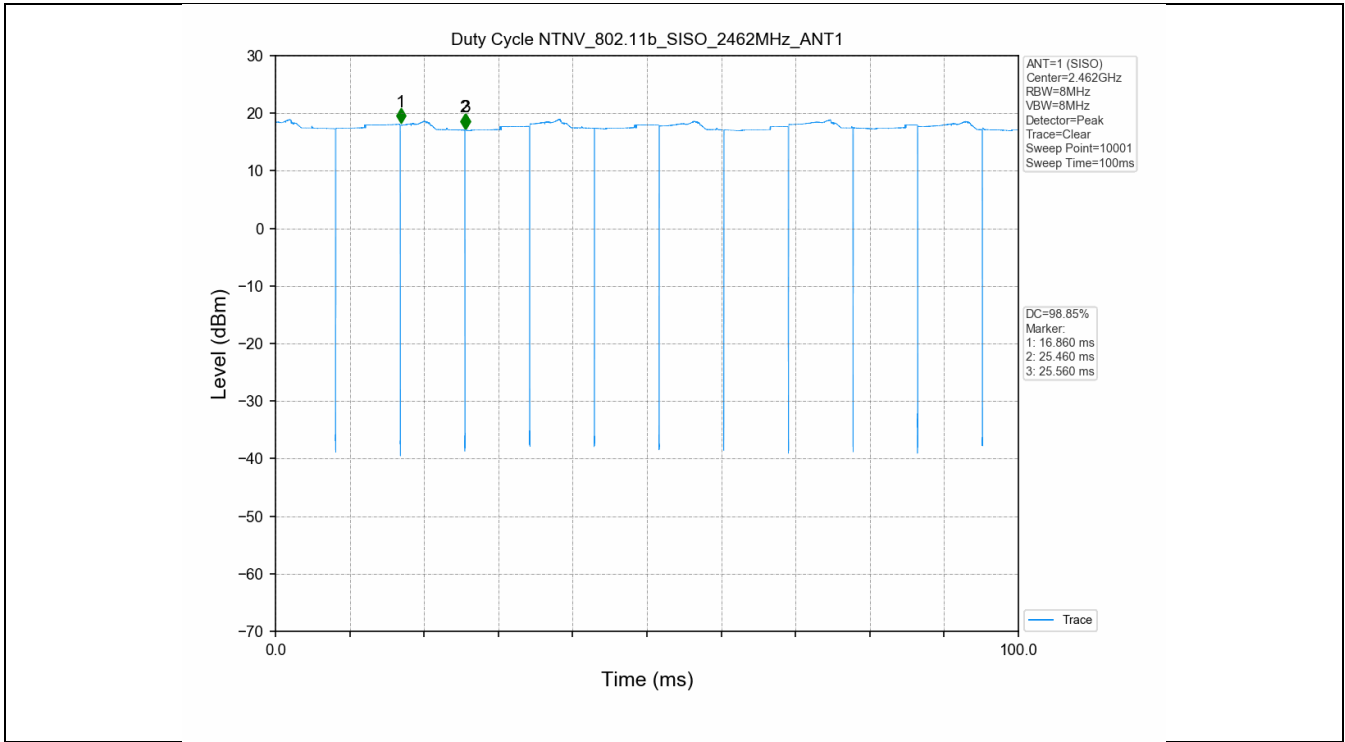
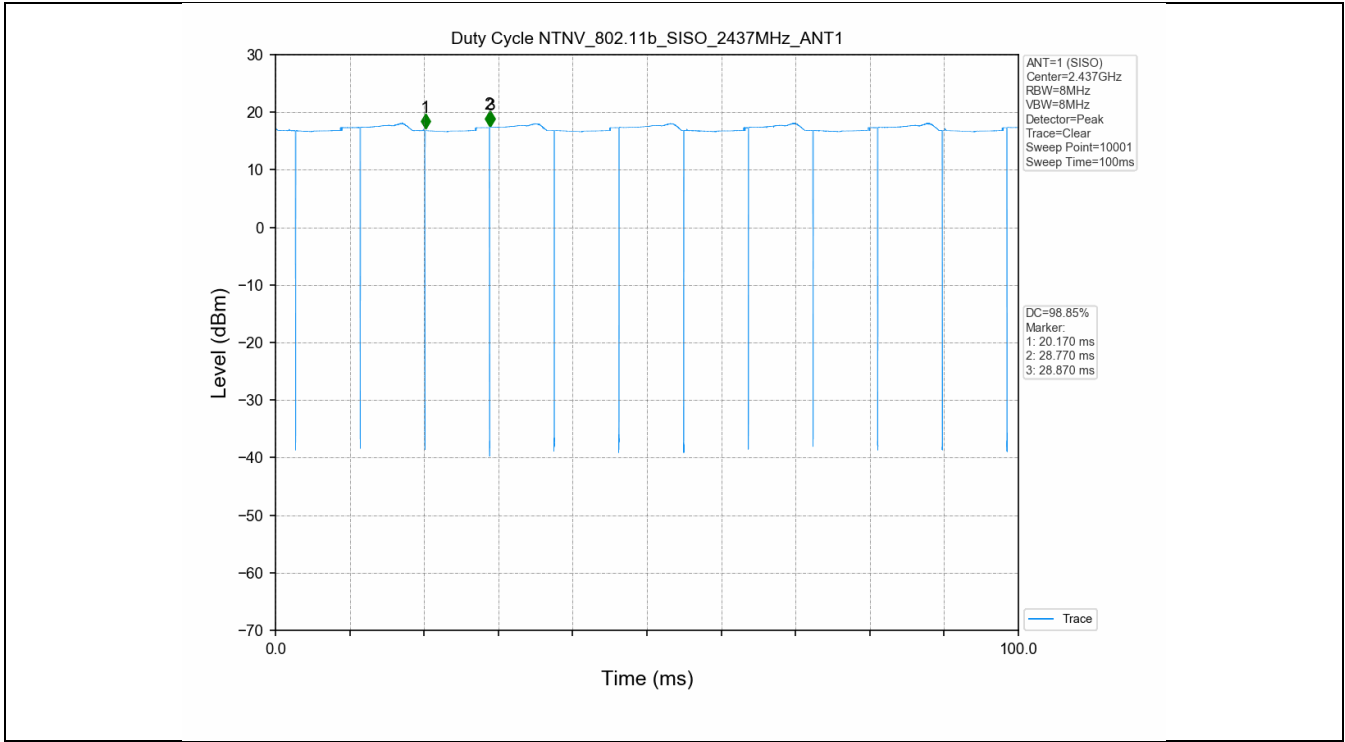
1. Duty Cycle

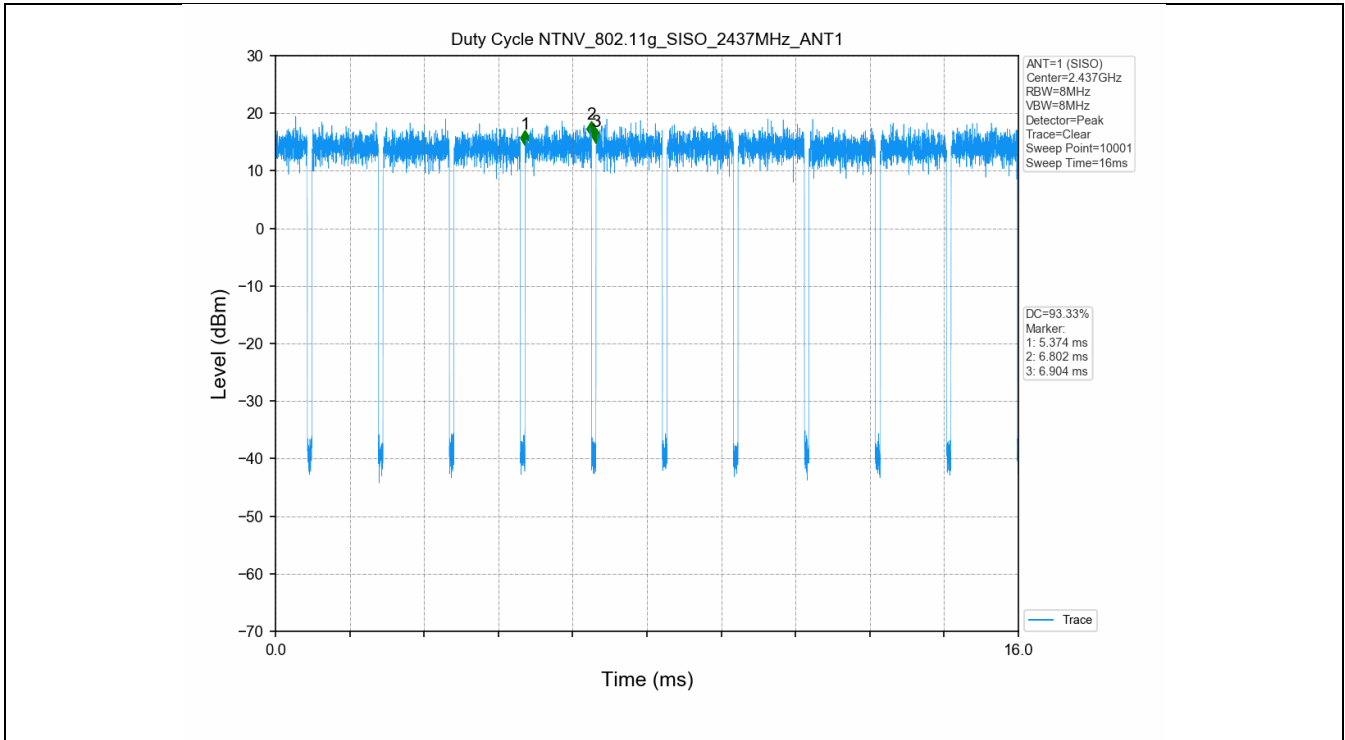
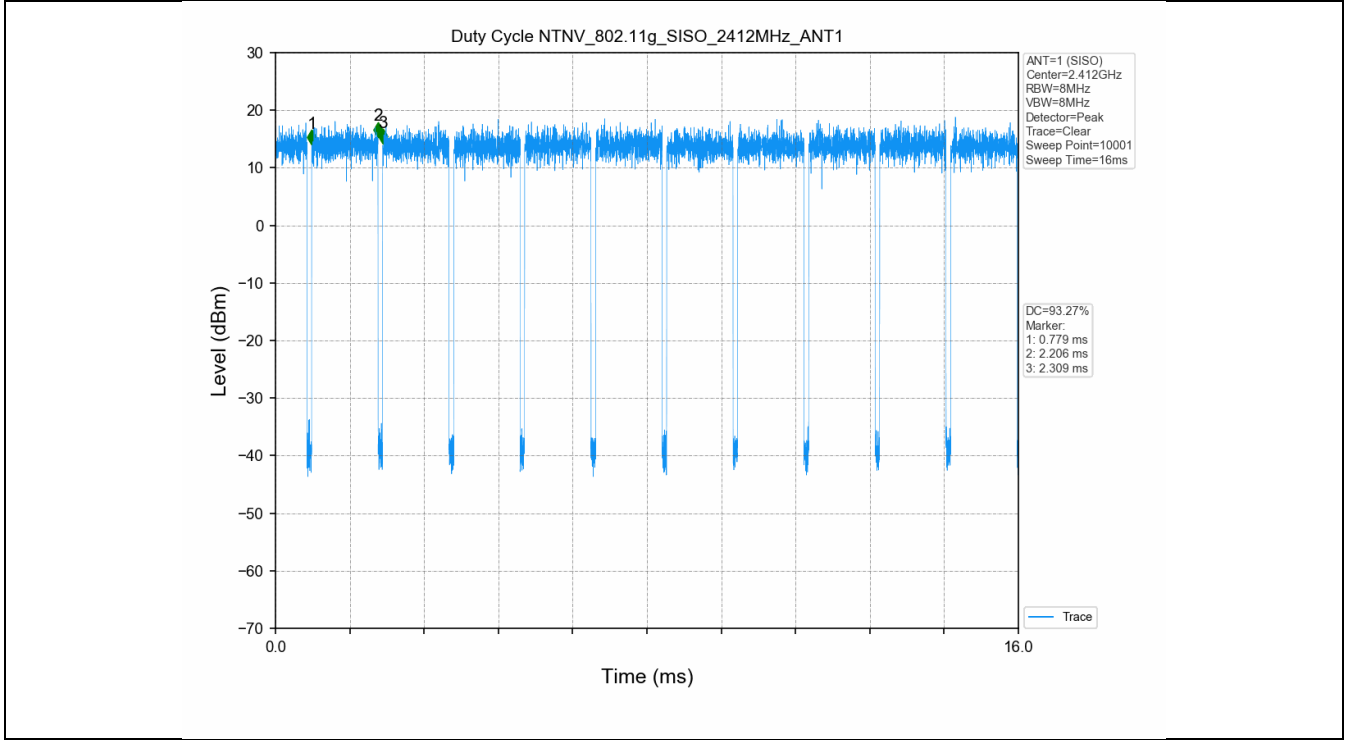
1.1 Test Result

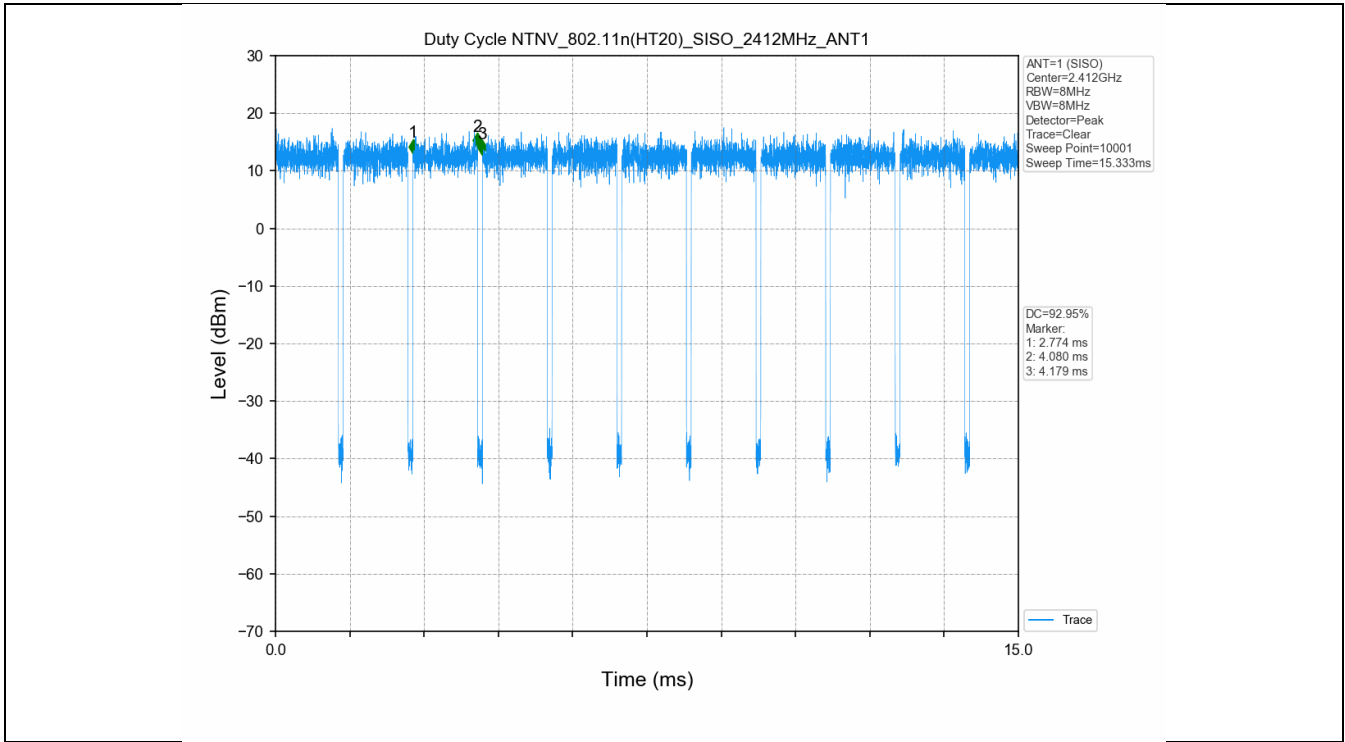
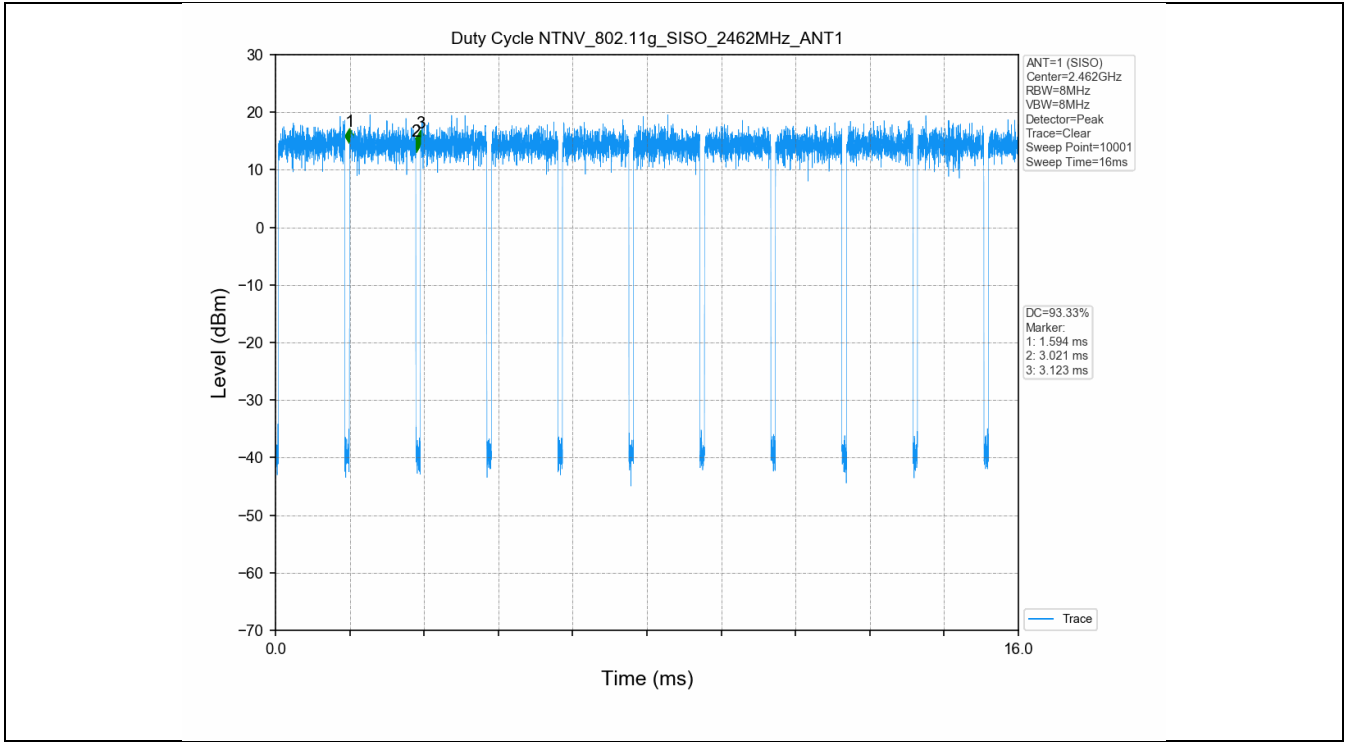
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	8.600	8.700	98.85	0.05
	2437	SISO	1	8.600	8.700	98.85	0.05
	2462	SISO	1	8.600	8.700	98.85	0.05
802.11g	2412	SISO	1	1.427	1.530	93.27	0.30
	2437	SISO	1	1.428	1.530	93.33	0.30
	2462	SISO	1	1.427	1.529	93.33	0.30
802.11n(HT20)	2412	SISO	1	1.306	1.405	92.95	0.32
	2437	SISO	1	1.307	1.405	93.02	0.31
	2462	SISO	1	1.306	1.405	92.95	0.32

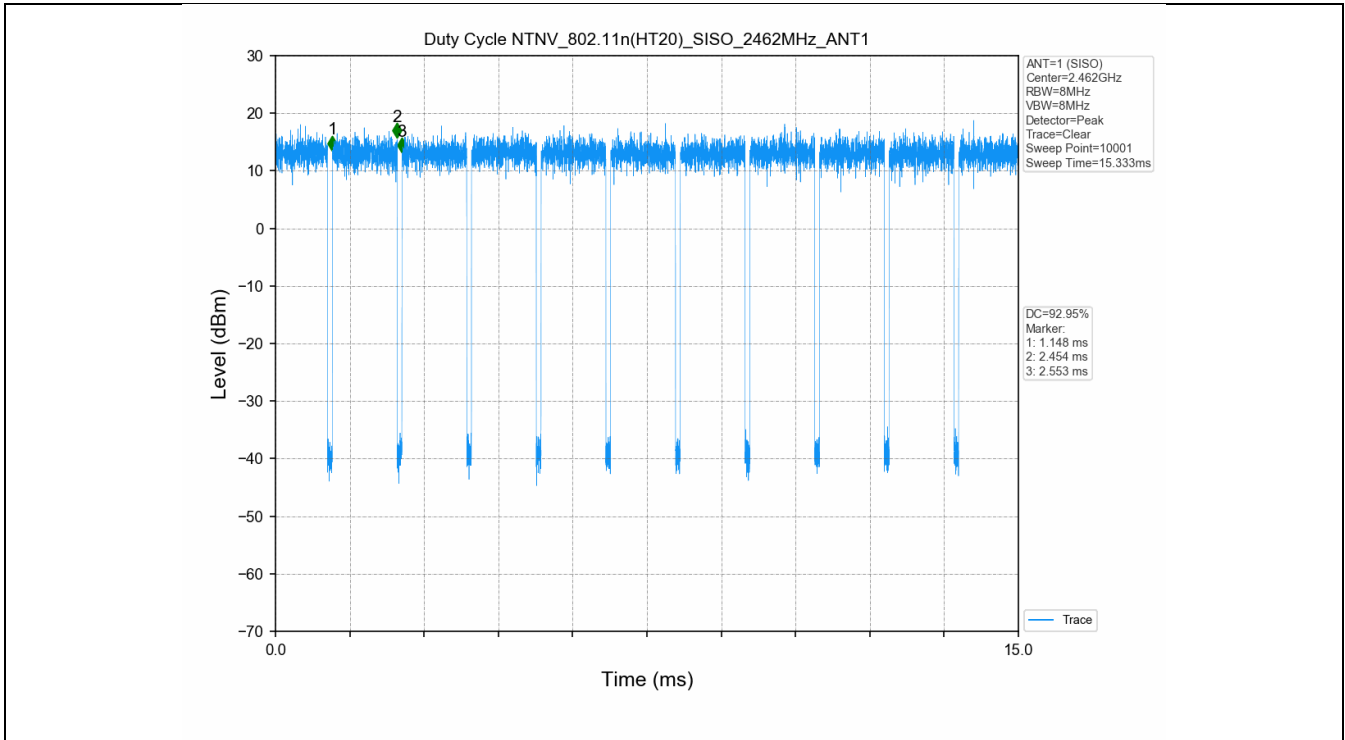
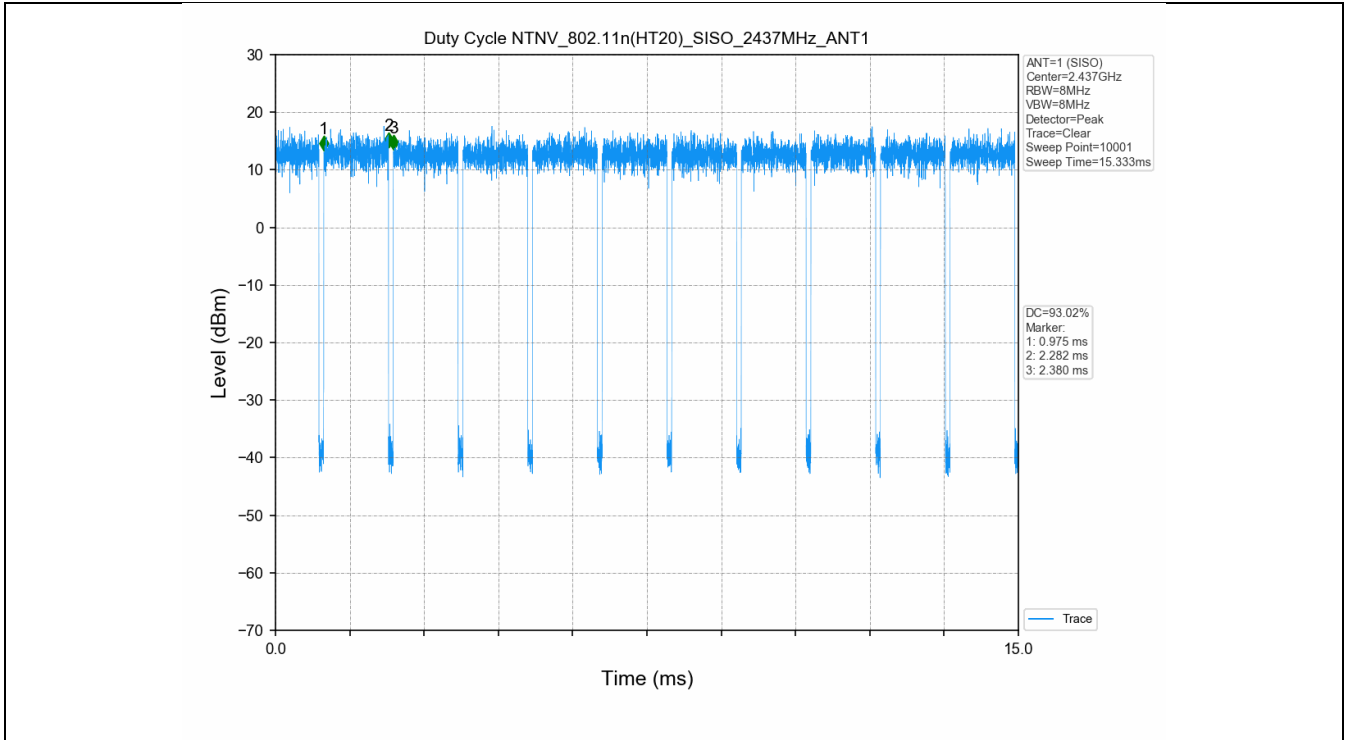
1.2 Test Graph











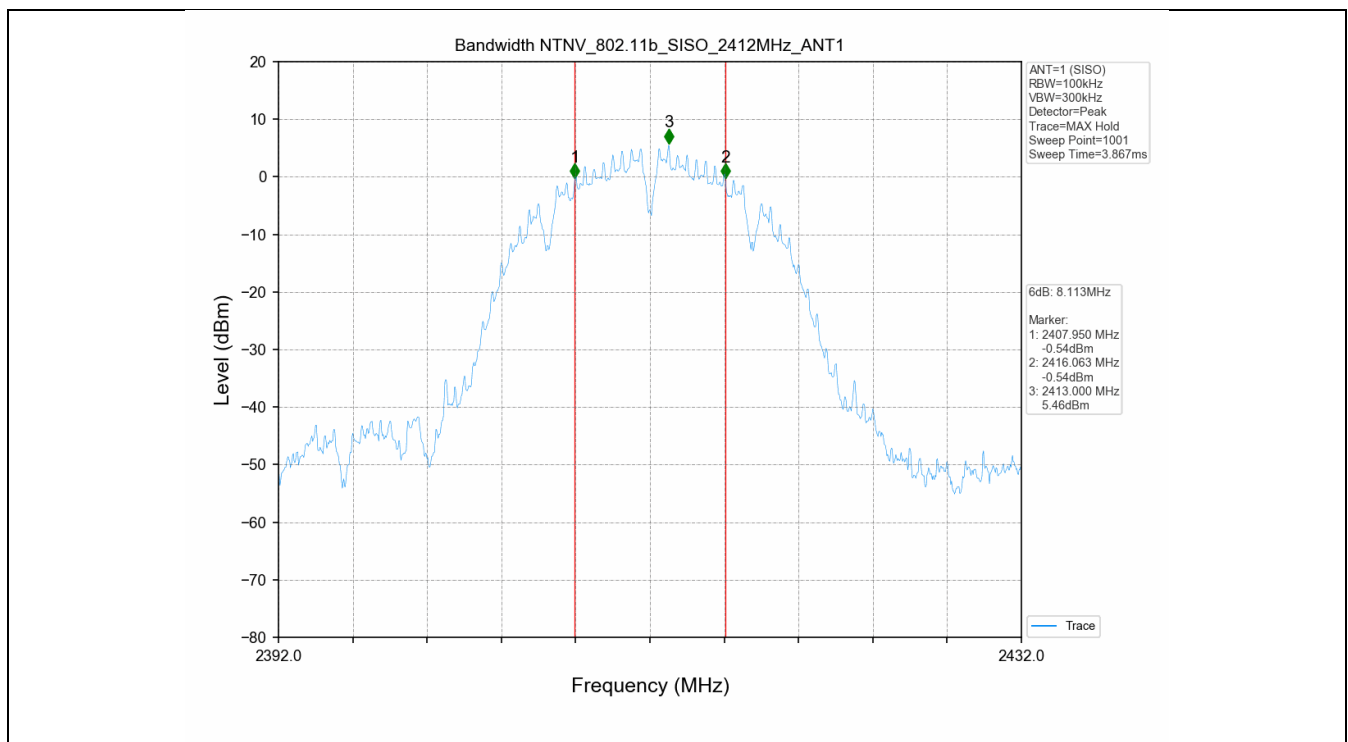
2. Bandwidth

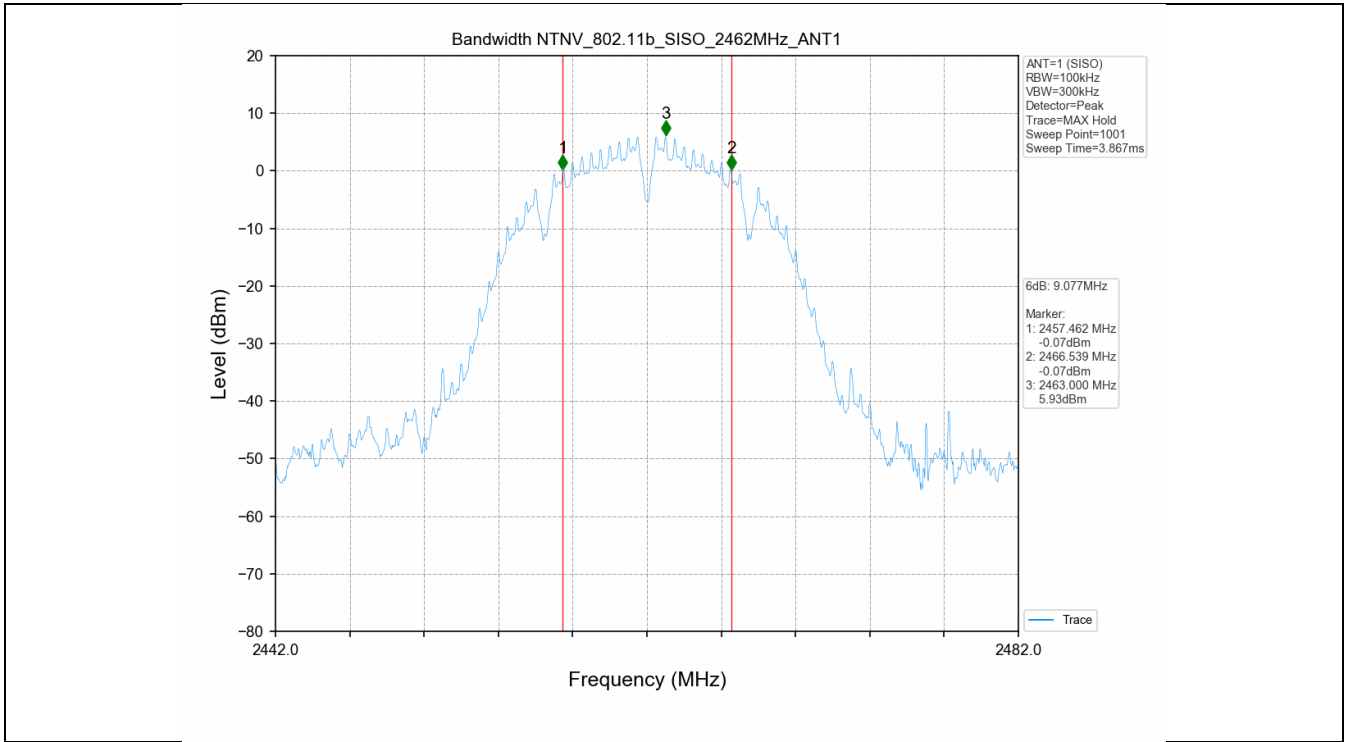
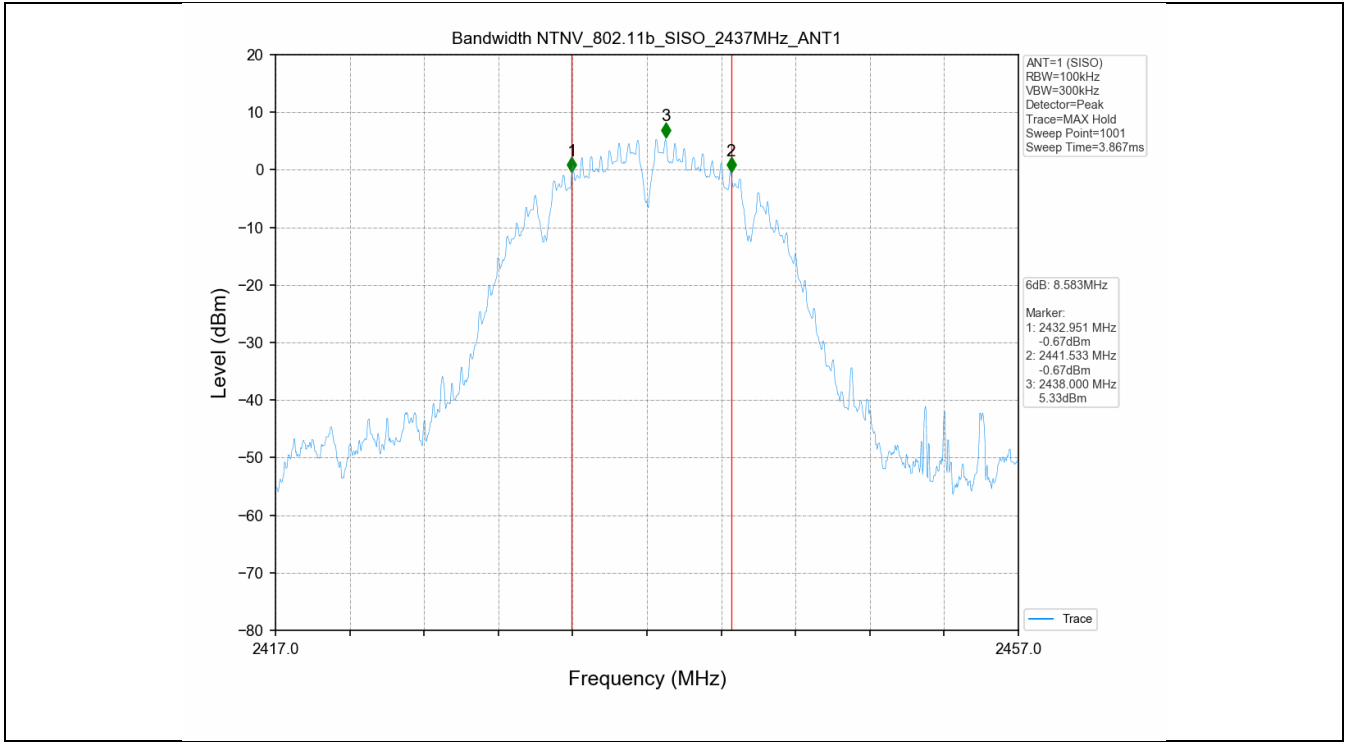
2.1 Test Result

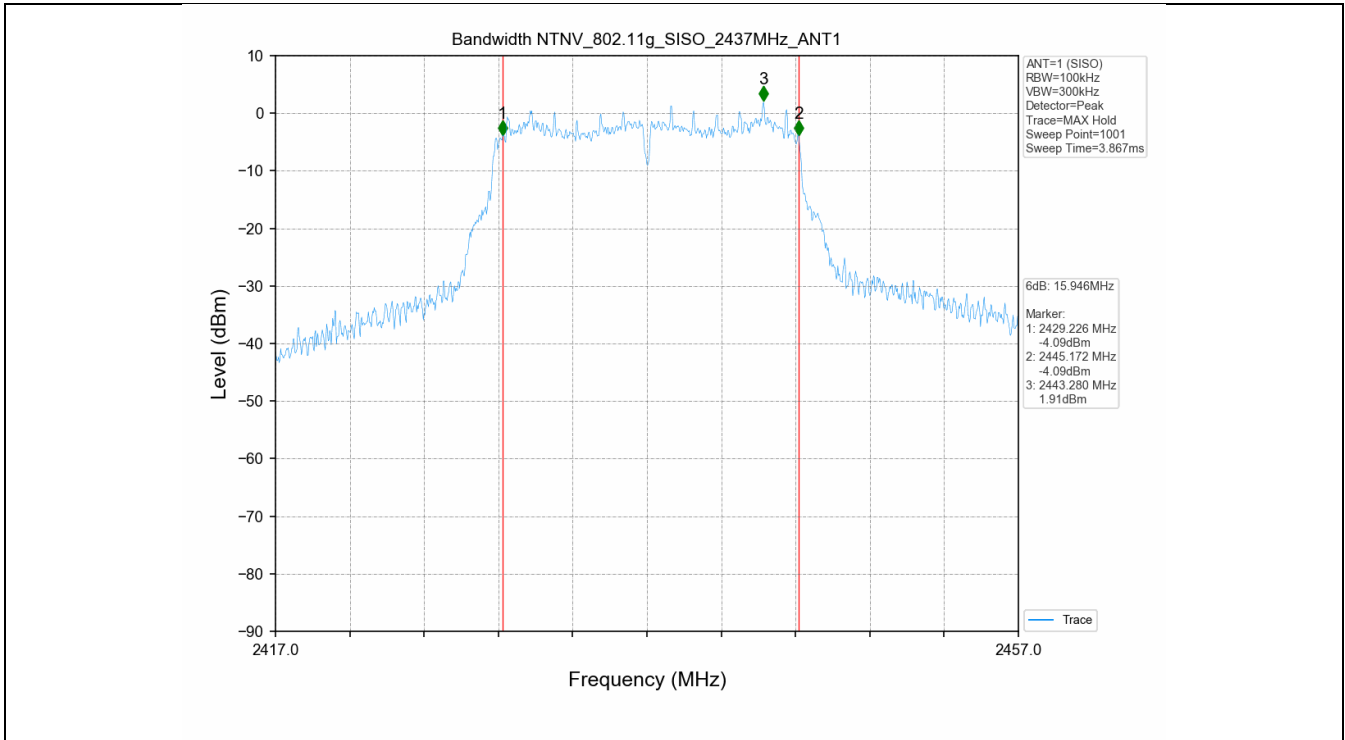
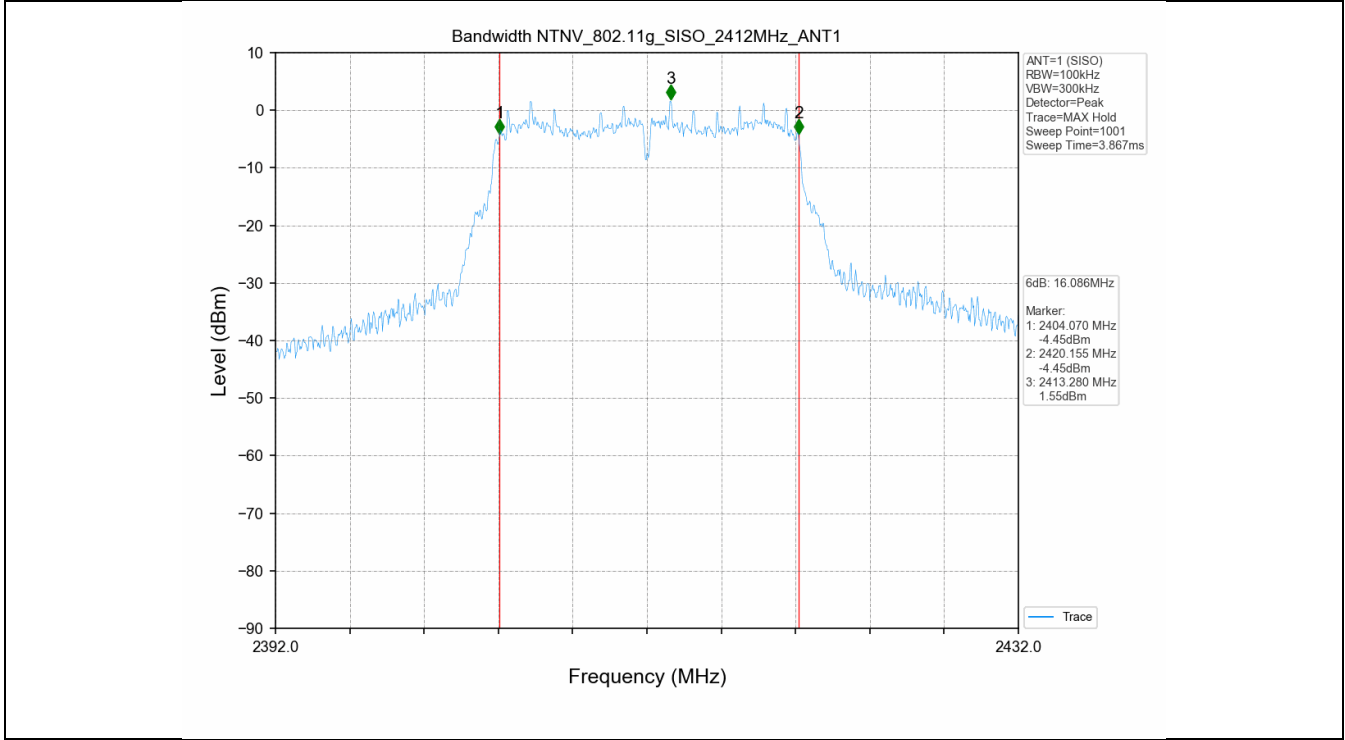
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth	Verdict
				Test Result (MHz)	
802.11b	2412	SISO	1	8.113	PASS
	2437	SISO	1	8.583	PASS
	2462	SISO	1	9.077	PASS
802.11g	2412	SISO	1	16.086	PASS
	2437	SISO	1	15.946	PASS
	2462	SISO	1	16.343	PASS
802.11n(HT20)	2412	SISO	1	17.573	PASS
	2437	SISO	1	16.929	PASS
	2462	SISO	1	17.633	PASS

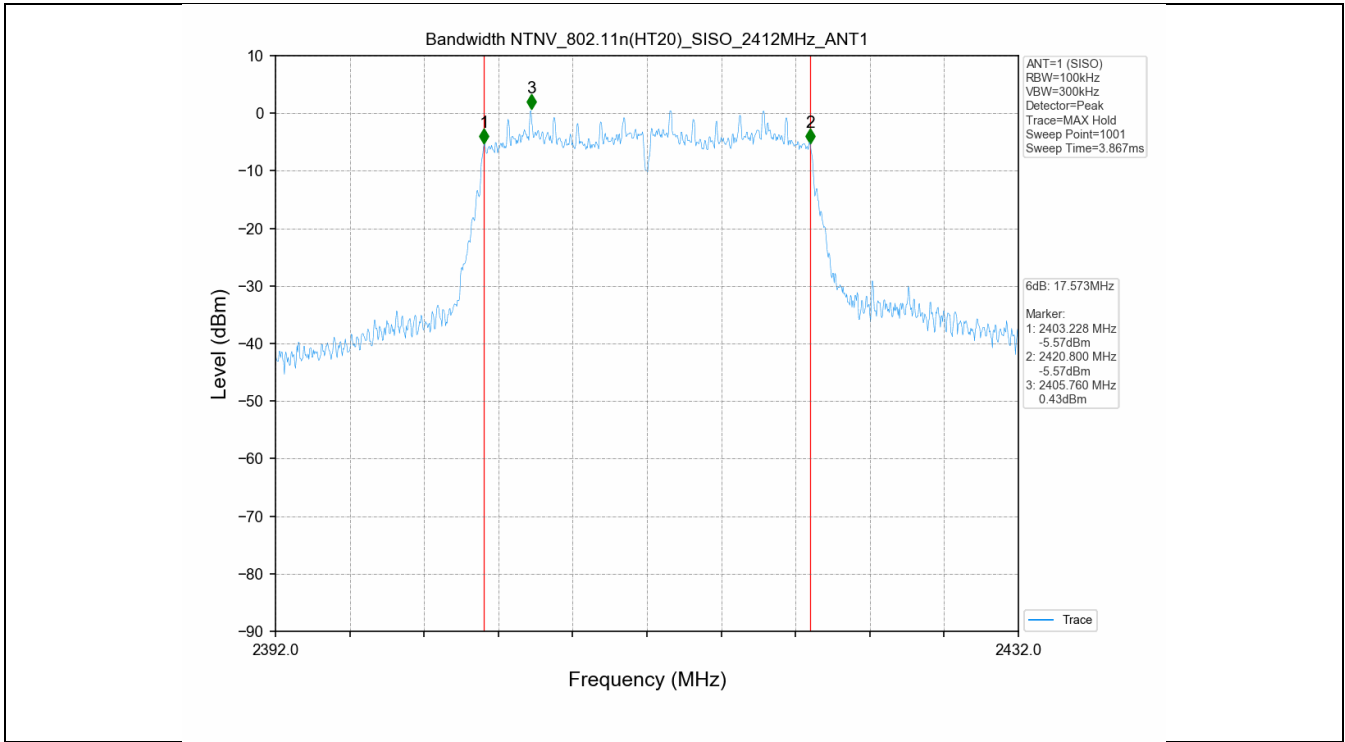
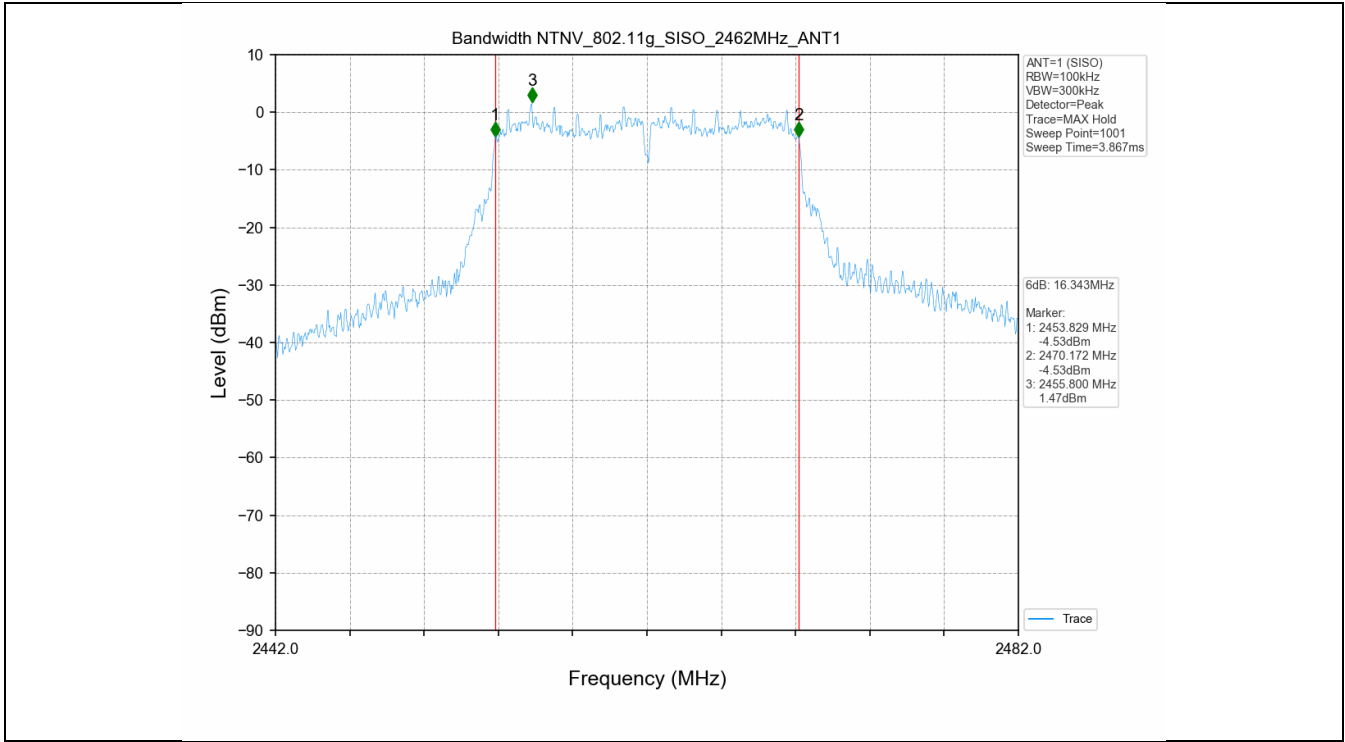
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	14.008	Only for Report Use
	2437	SISO	1	14.007	Only for Report Use
	2462	SISO	1	13.998	Only for Report Use
802.11g	2412	SISO	1	17.069	Only for Report Use
	2437	SISO	1	17.087	Only for Report Use
	2462	SISO	1	17.076	Only for Report Use
802.11n(HT20)	2412	SISO	1	18.054	Only for Report Use
	2437	SISO	1	18.077	Only for Report Use
	2462	SISO	1	18.078	Only for Report Use

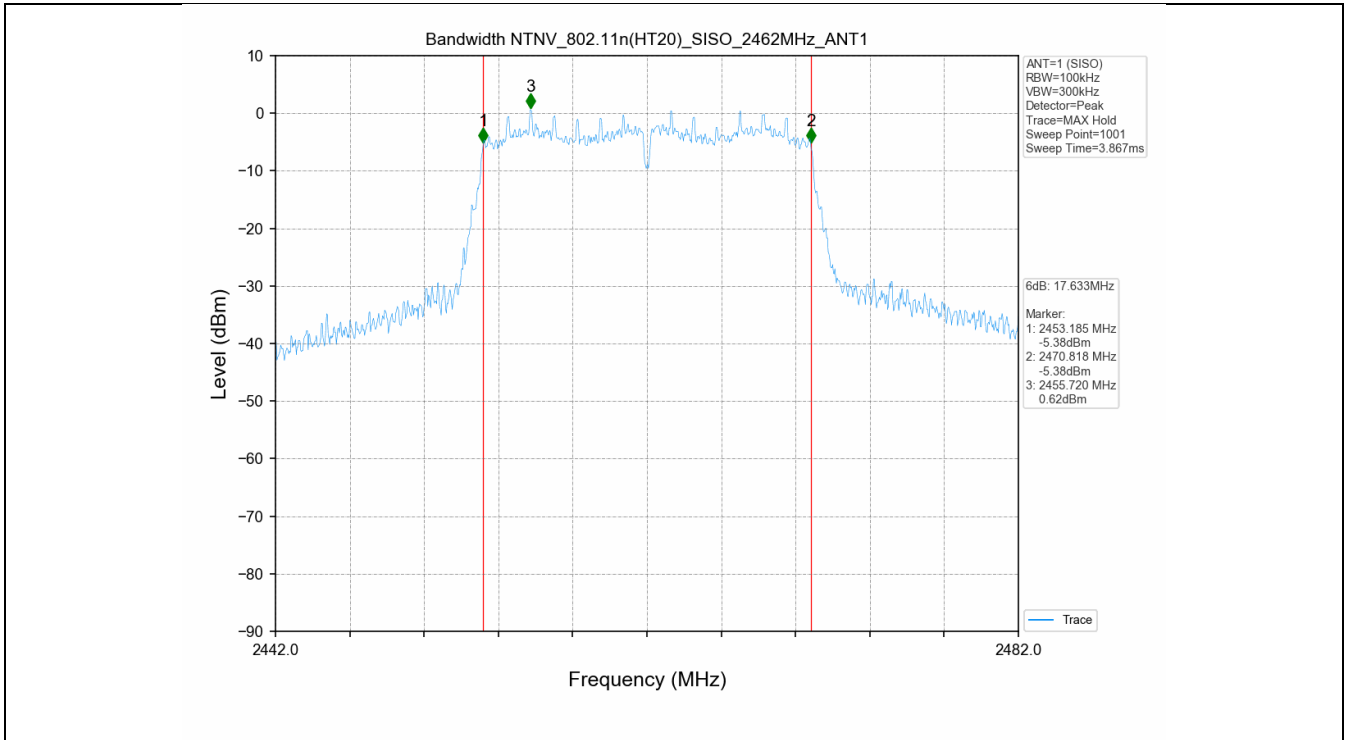
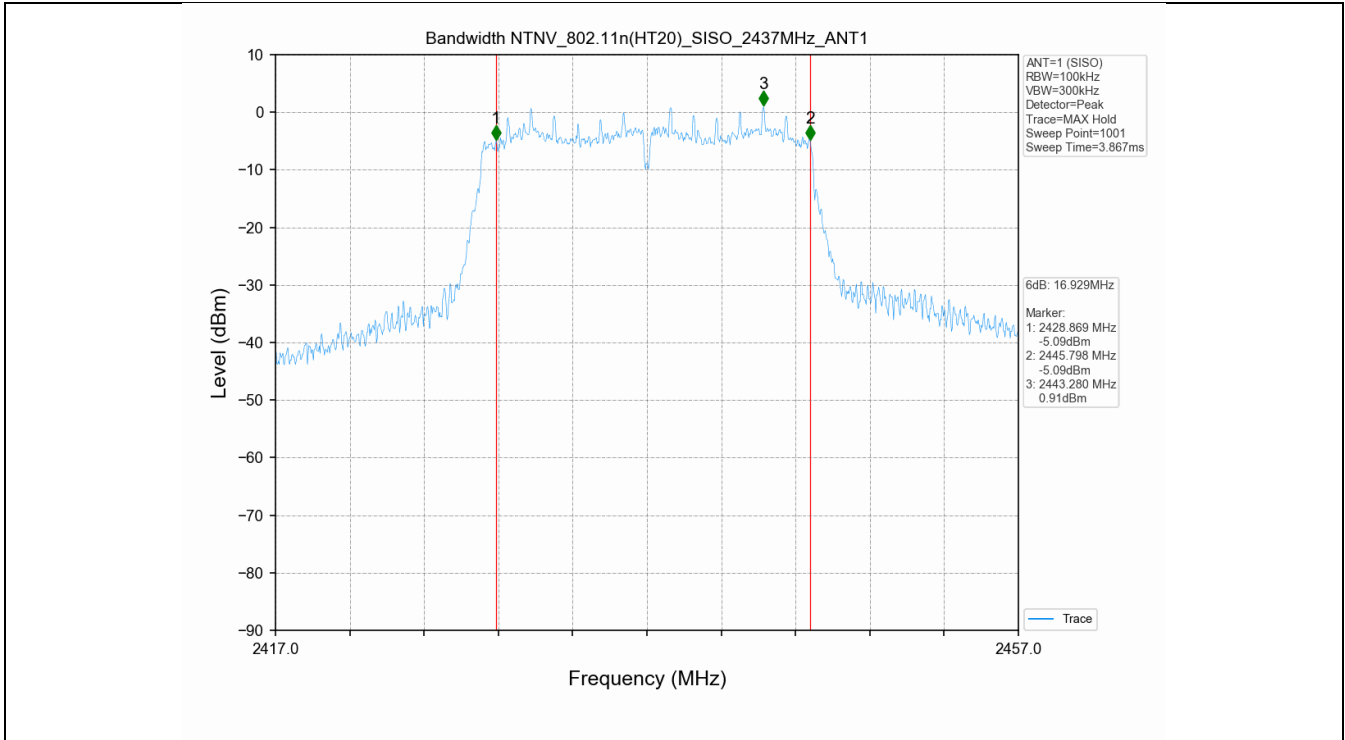
2.2 Test Graph - 6dB Bandwidth



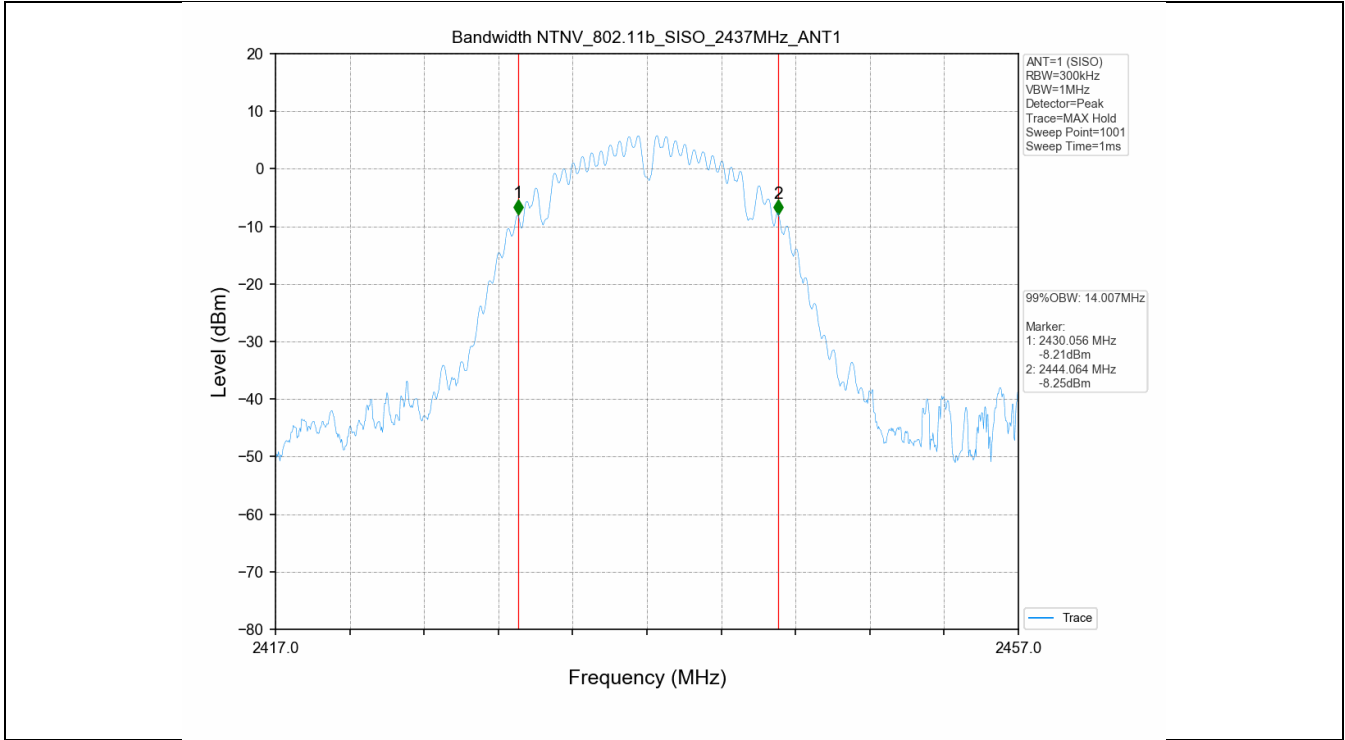
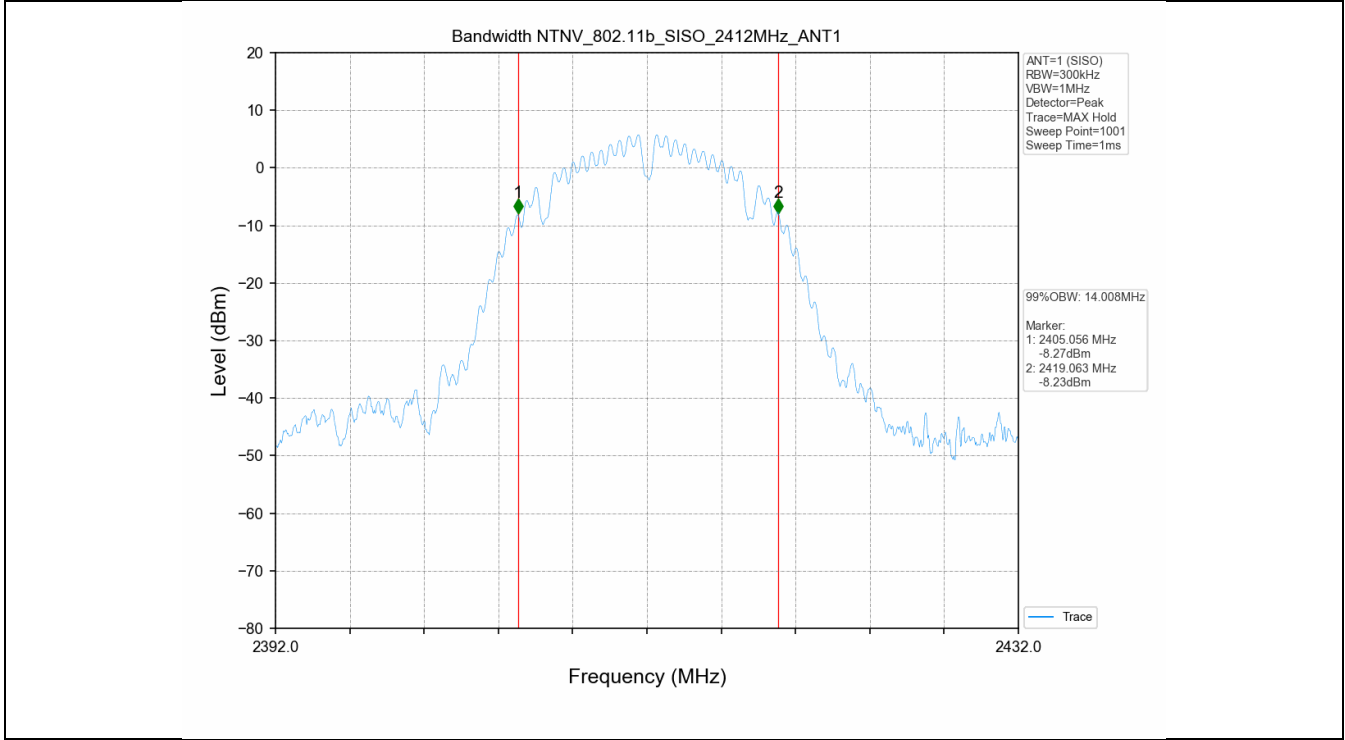


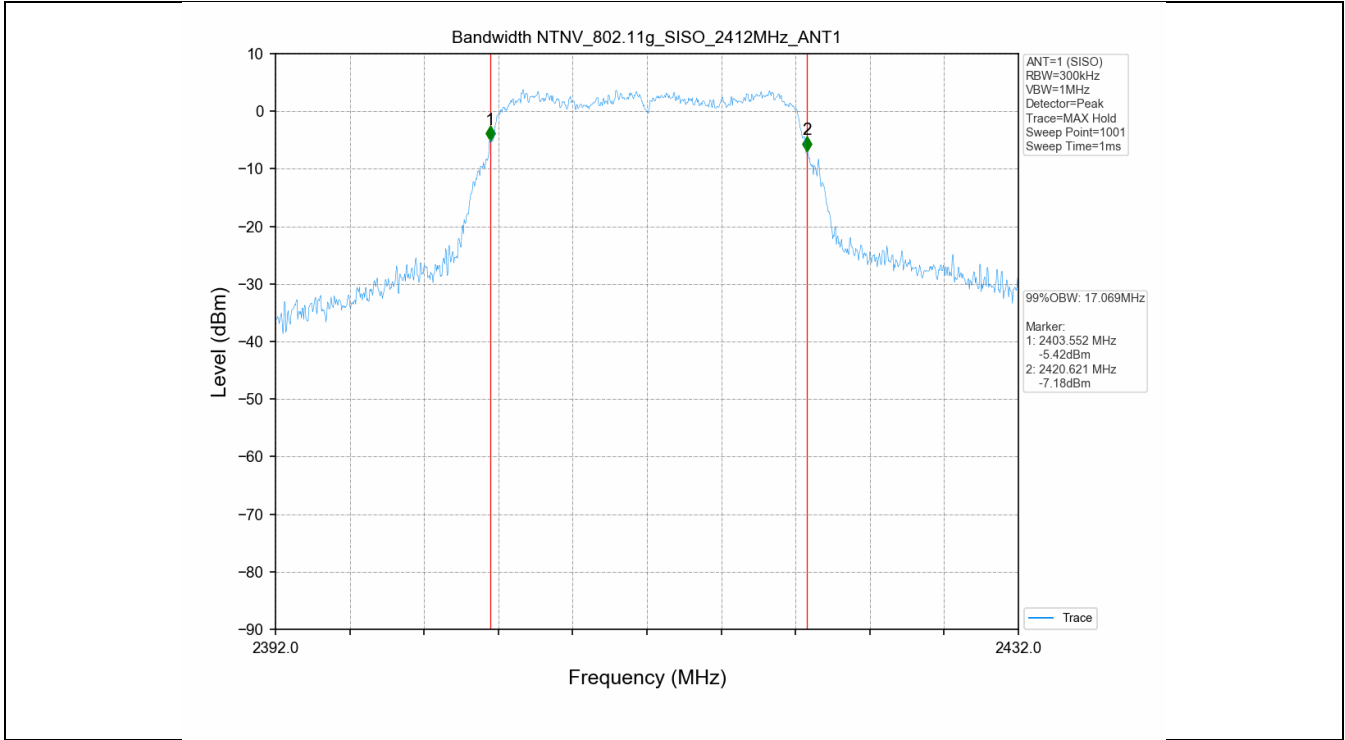
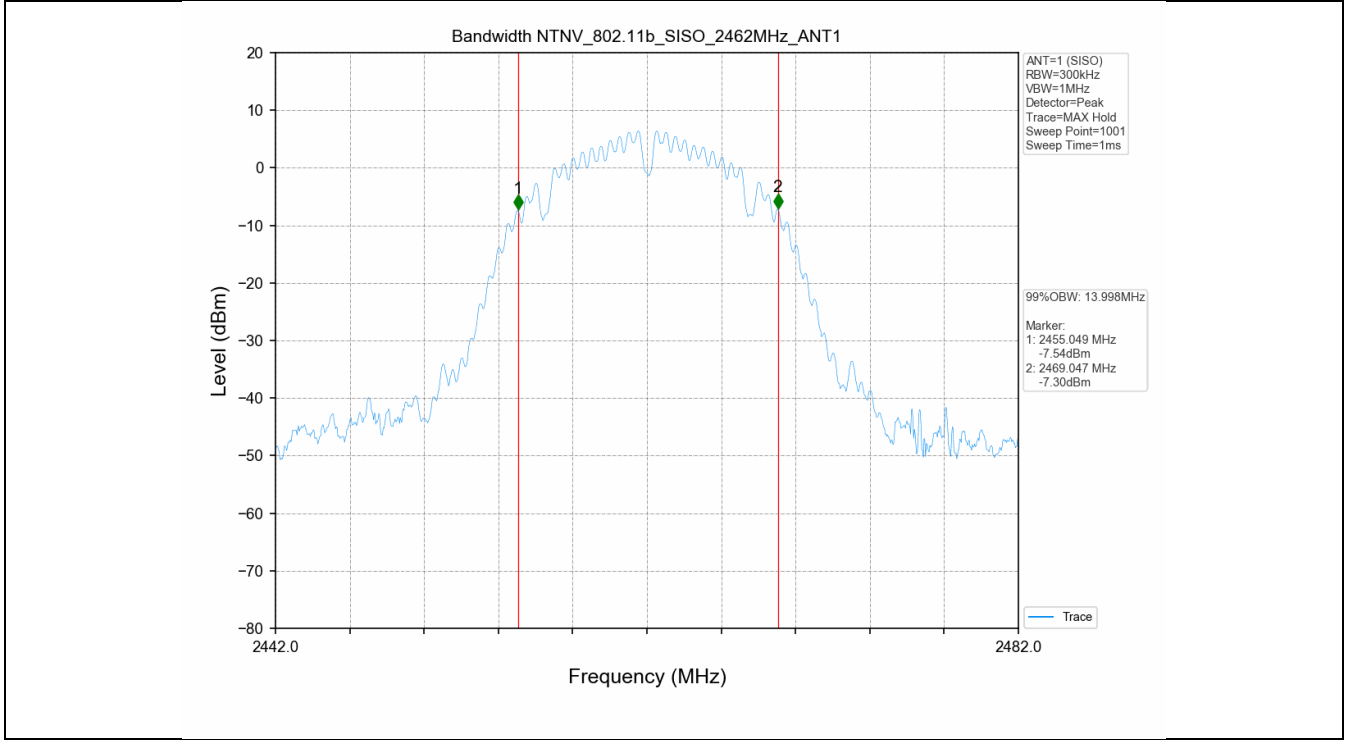


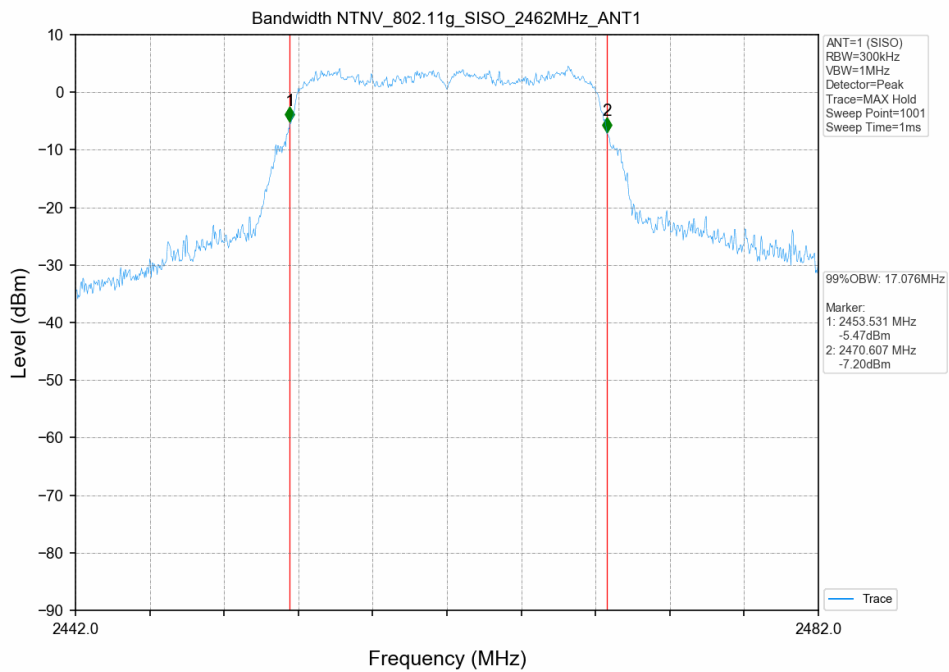
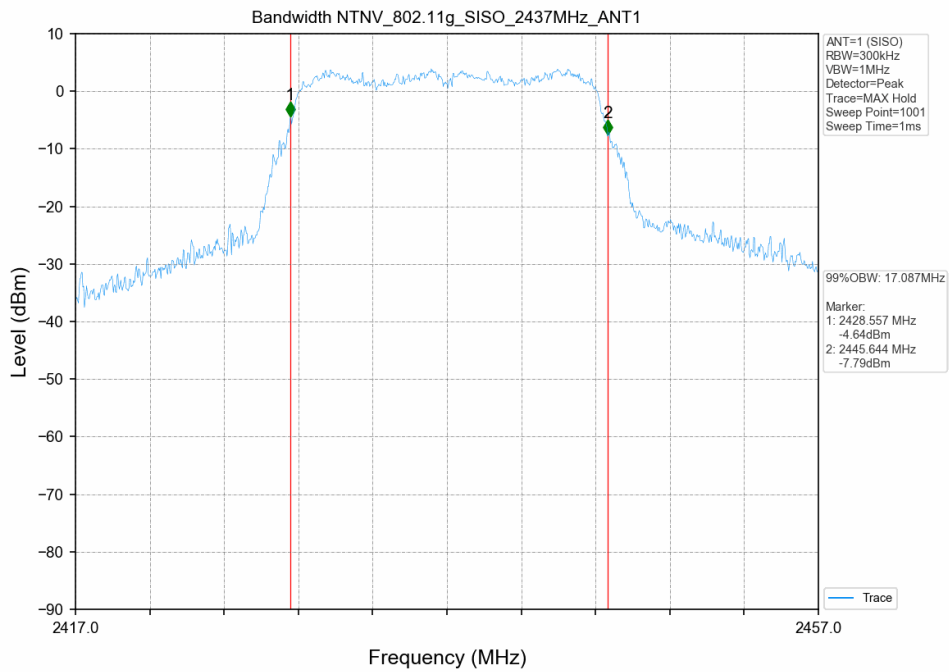


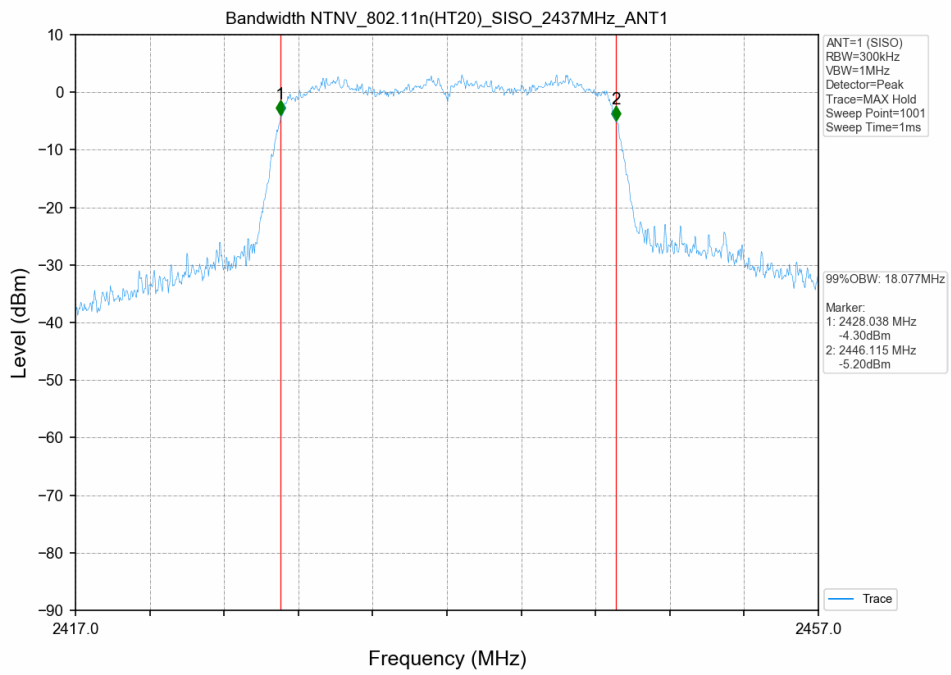
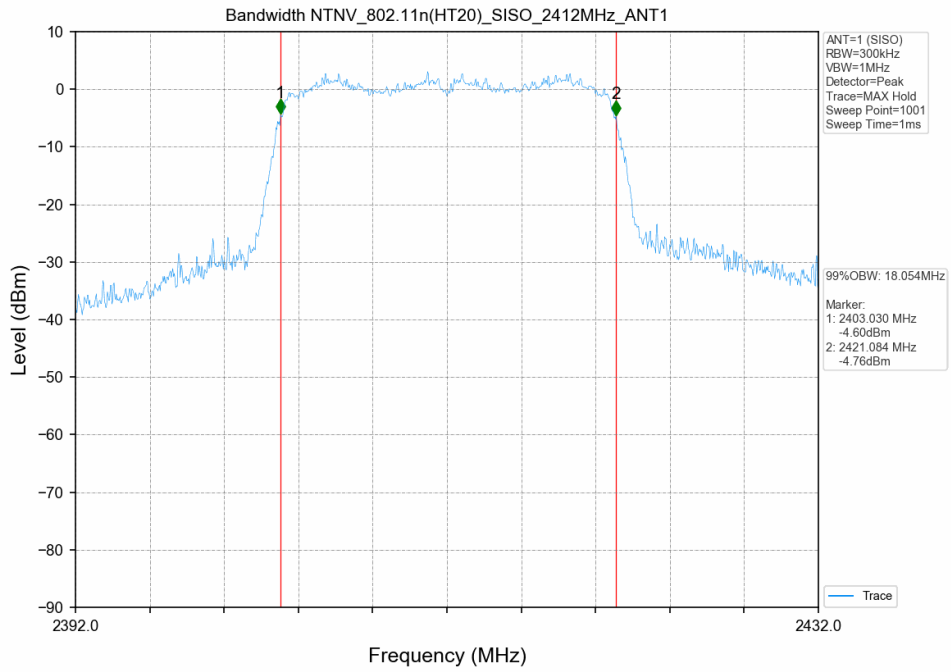


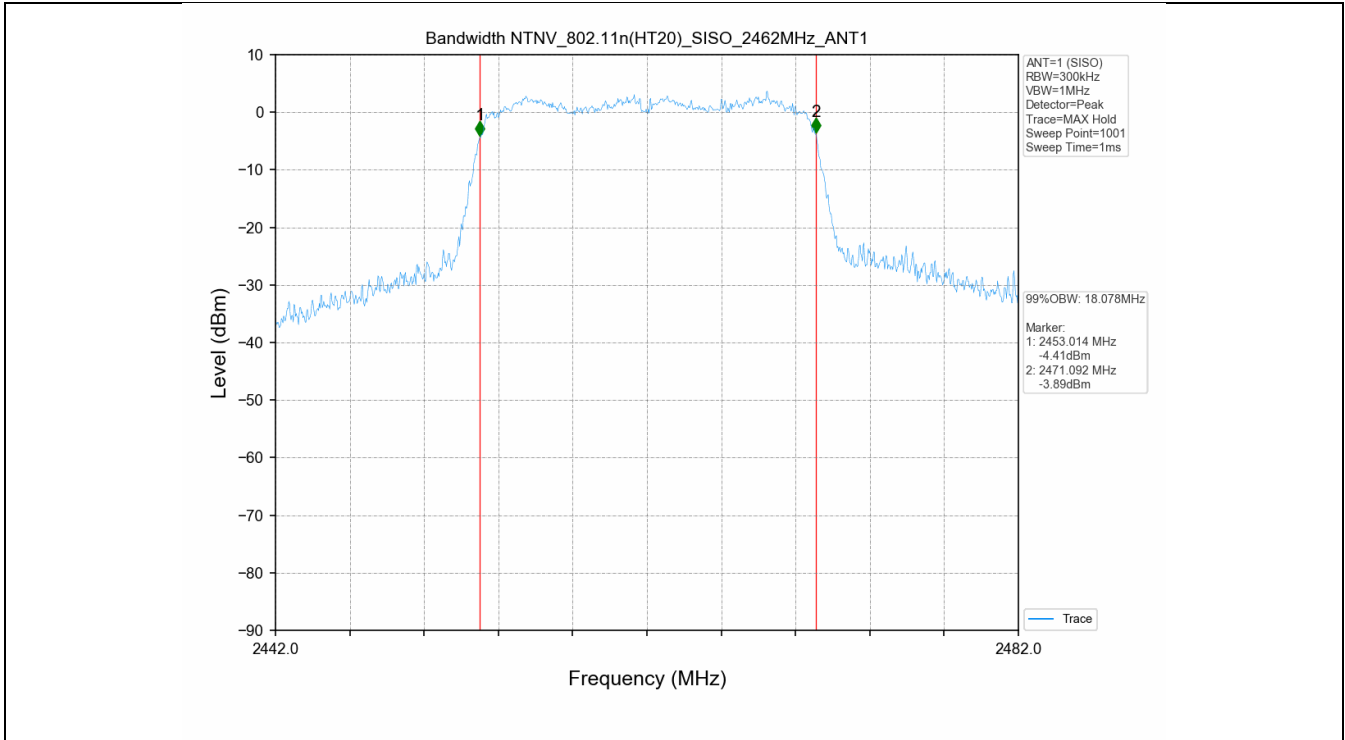
2.3 Test Graph - 99% Occupied Bandwidth









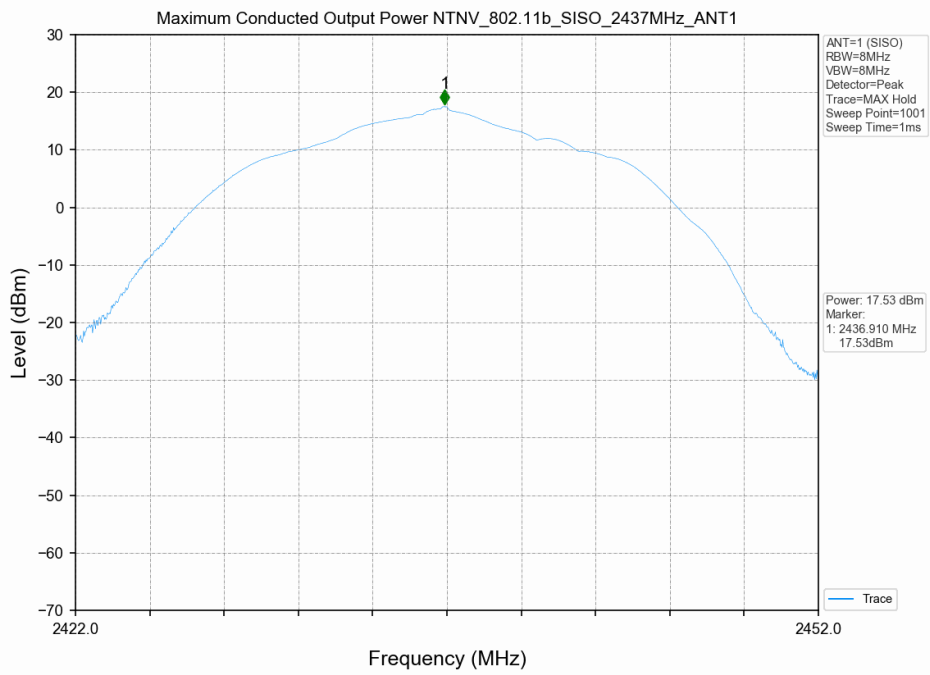
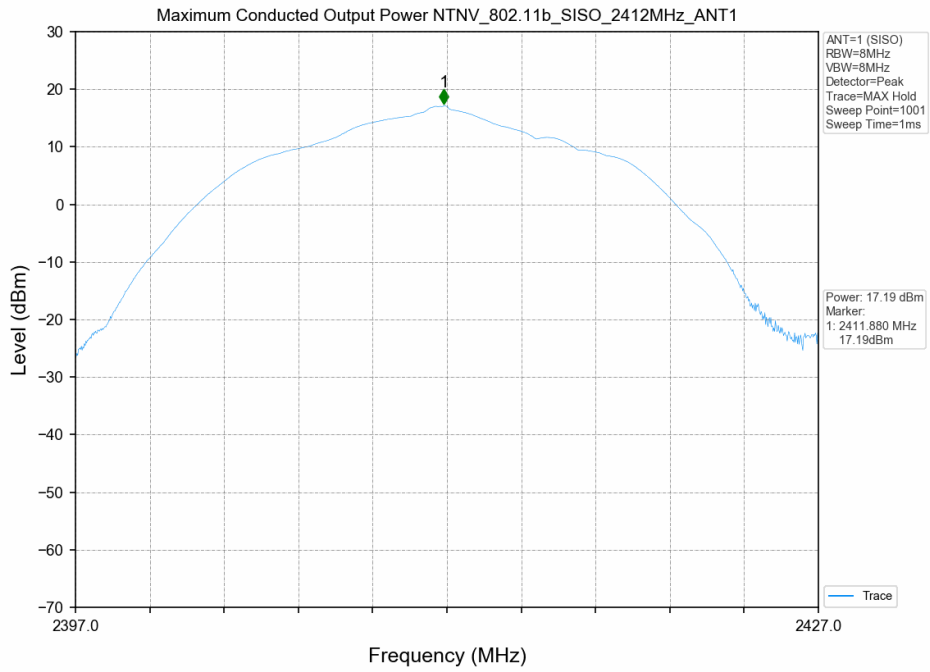


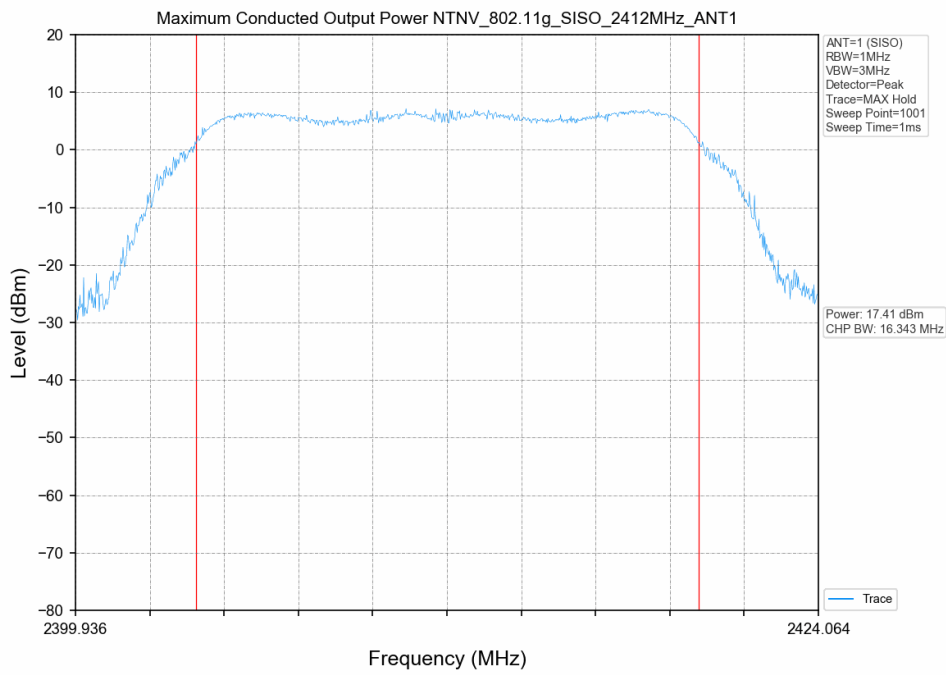
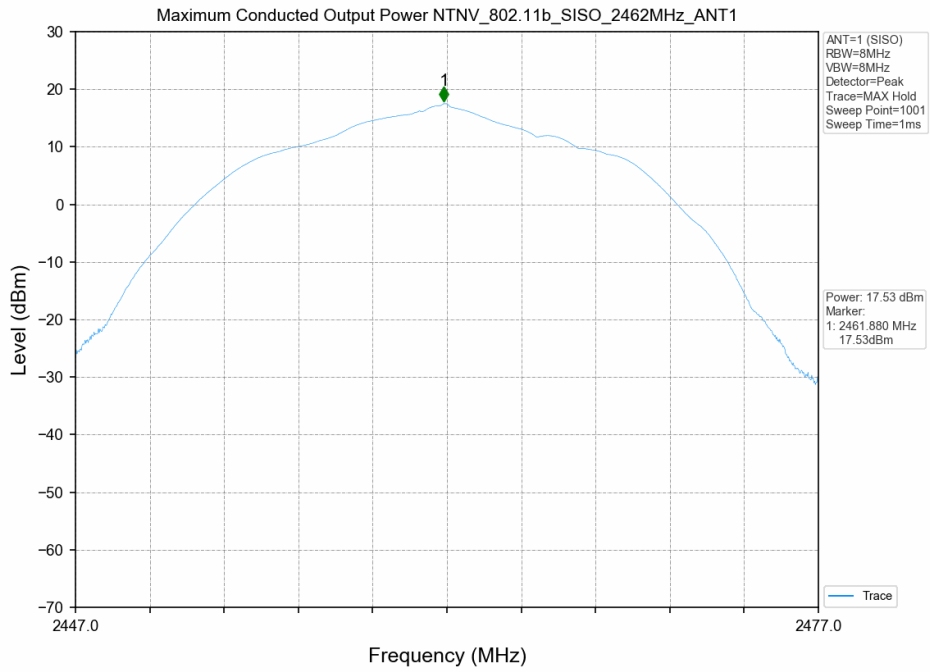
3. Maximum Conducted Output Power

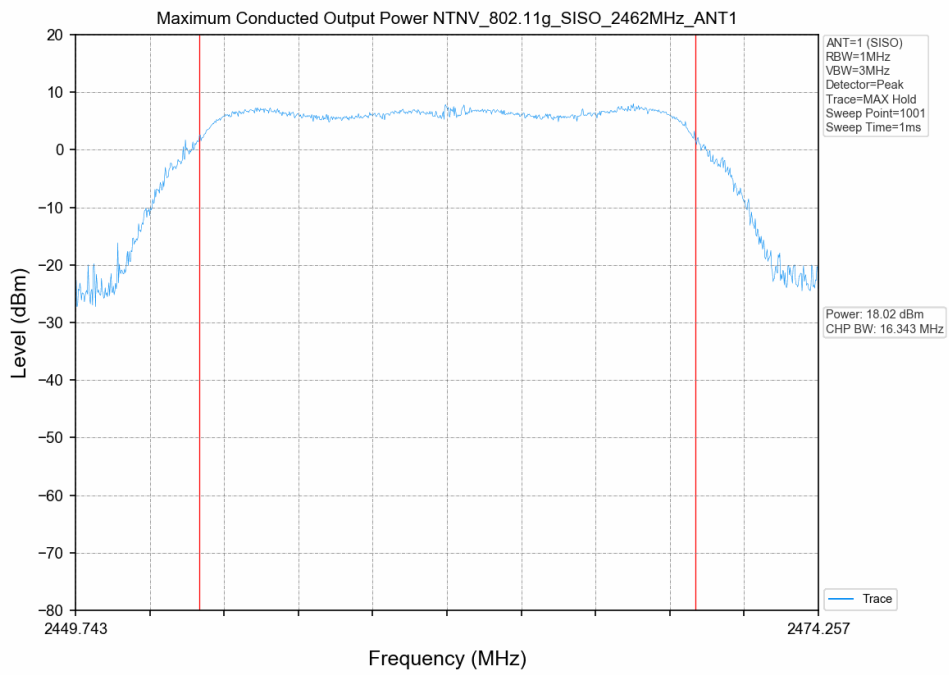
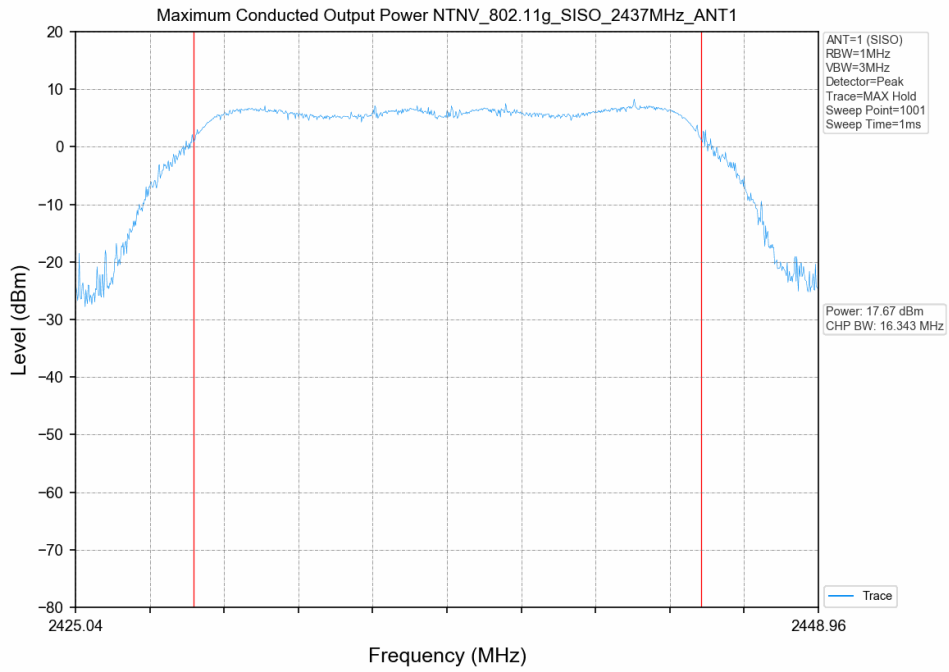
3.1 Test Result

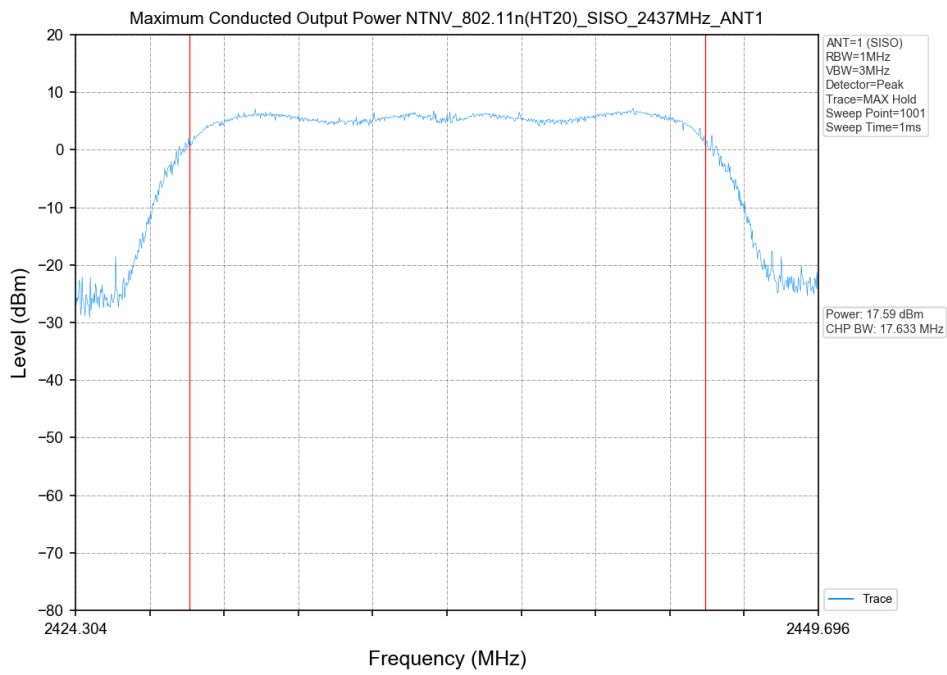
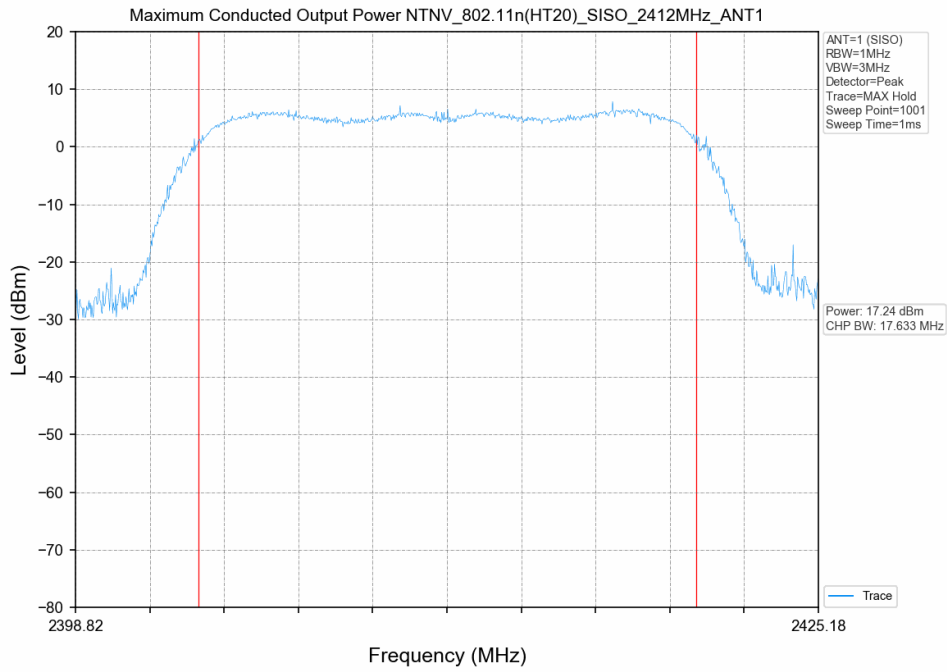
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	17.19	30	PASS
	2437	SISO	17.53	30	PASS
	2462	SISO	17.53	30	PASS
802.11g	2412	SISO	17.41	30	PASS
	2437	SISO	17.67	30	PASS
	2462	SISO	18.02	30	PASS
802.11n(HT20)	2412	SISO	17.24	30	PASS
	2437	SISO	17.59	30	PASS
	2462	SISO	18.07	30	PASS

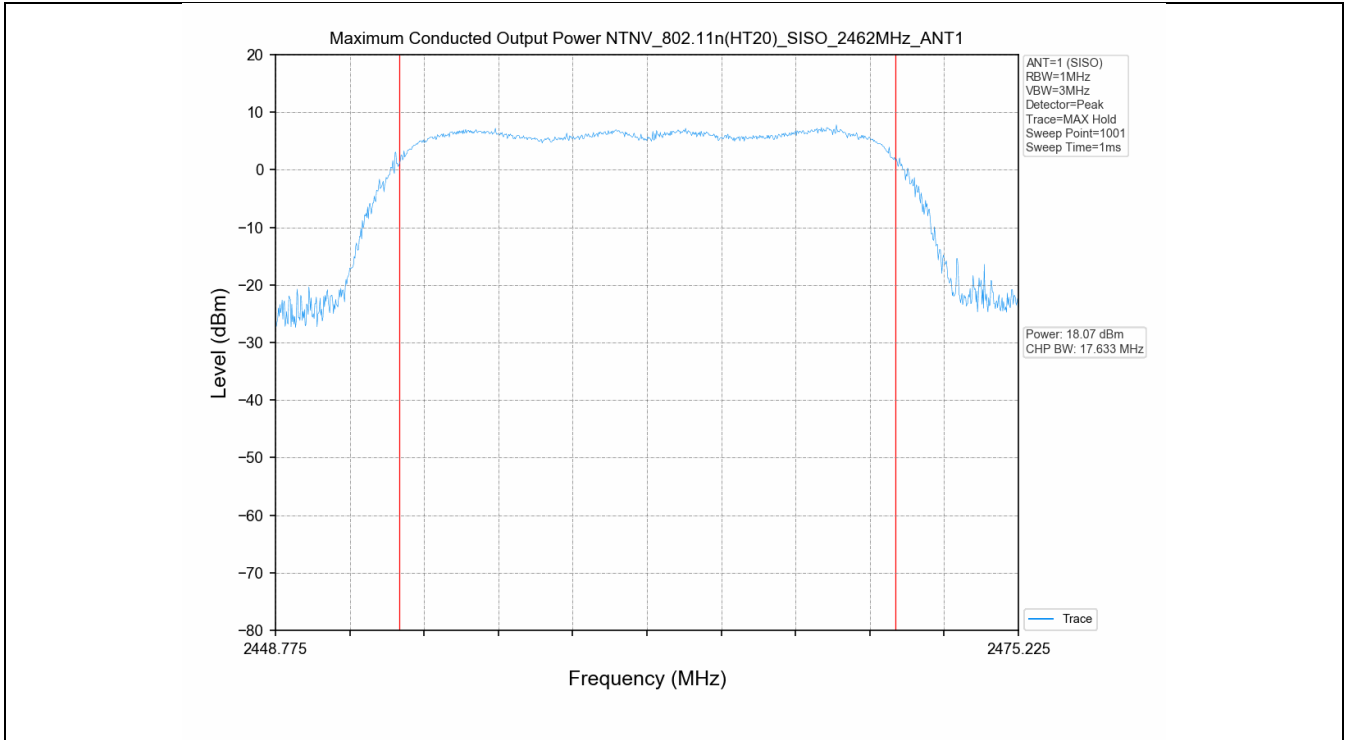
3.2 Test Graph









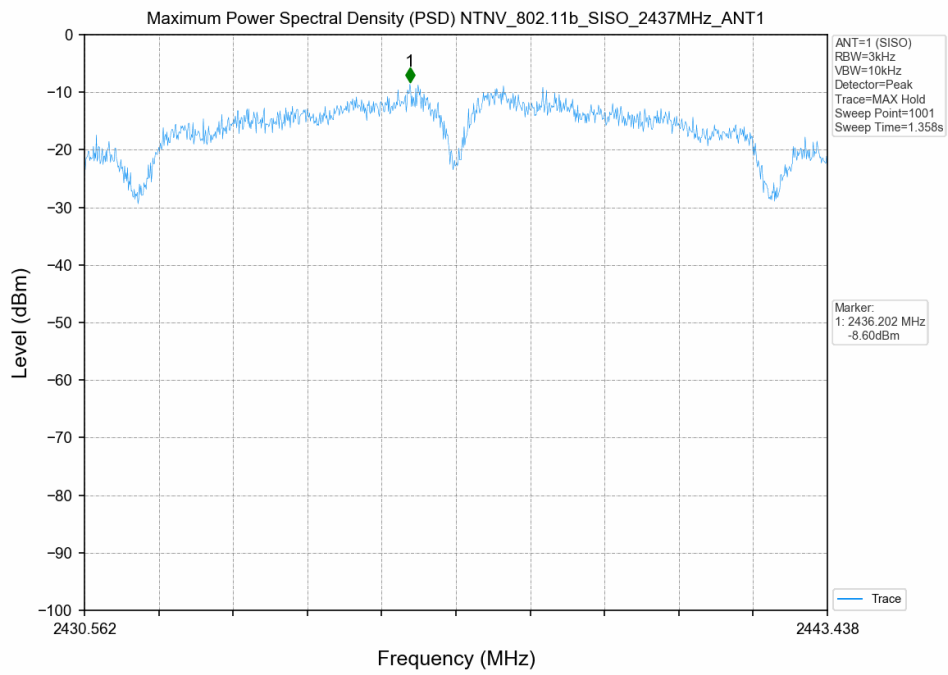
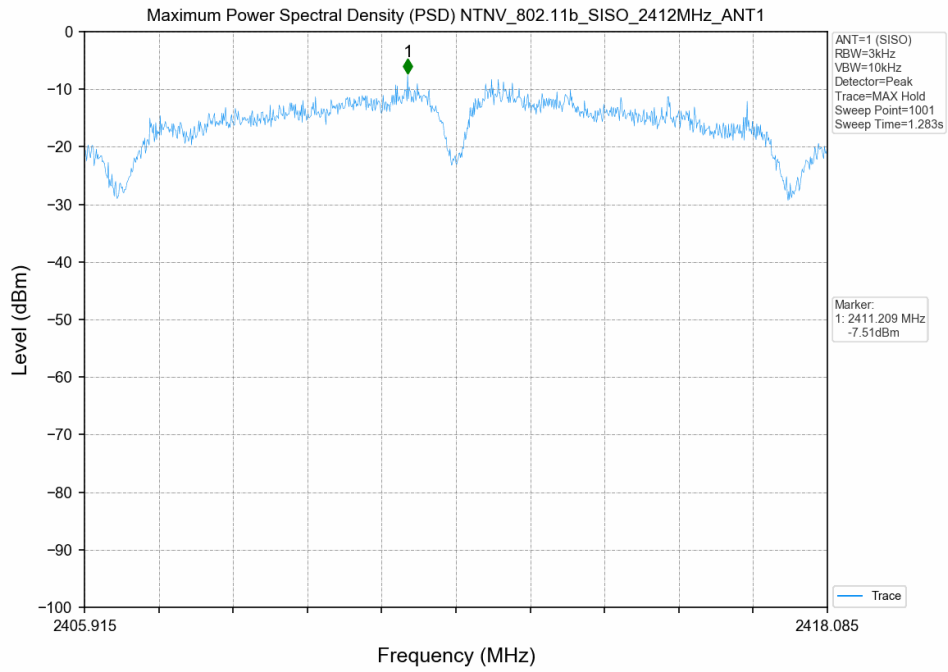


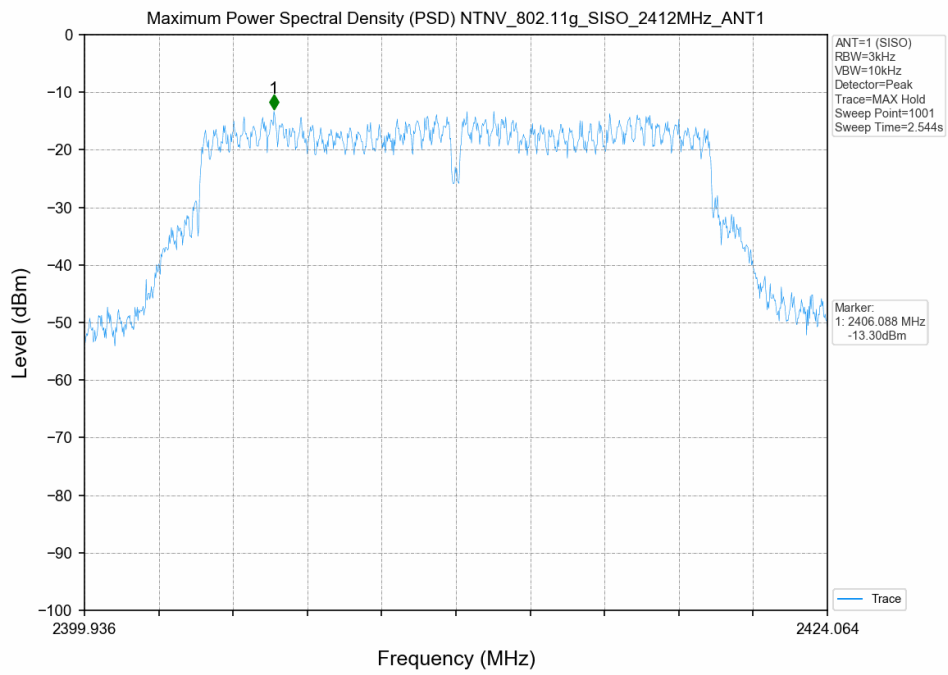
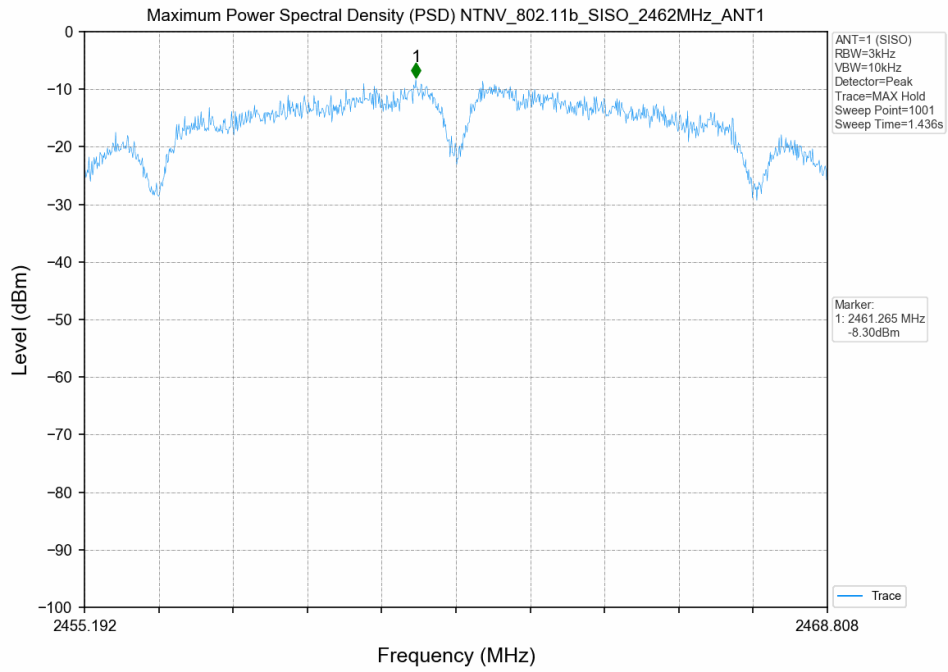
4. Maximum Power Spectral Density (PSD)

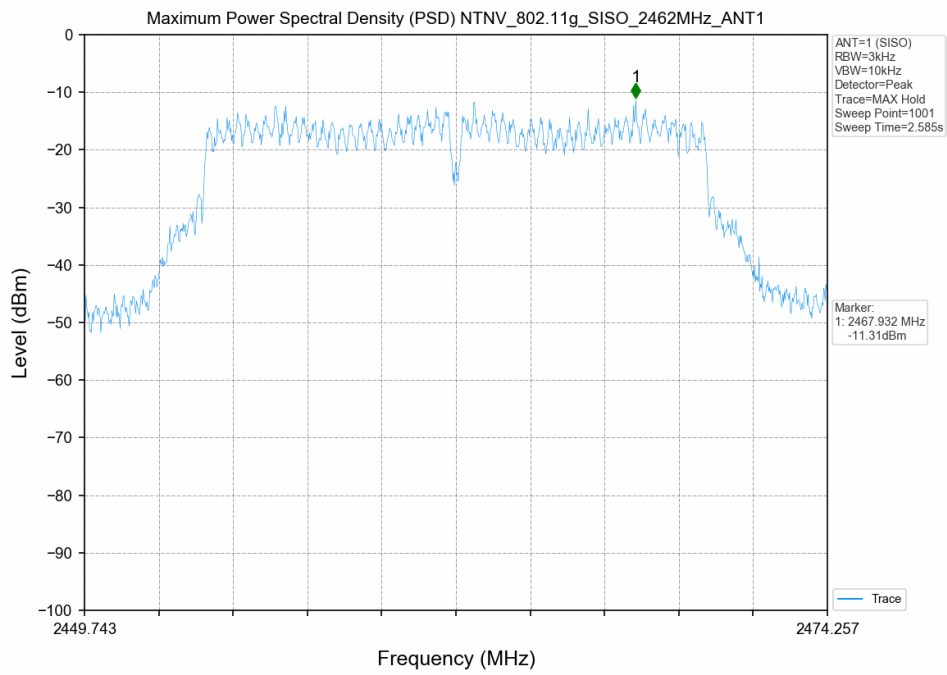
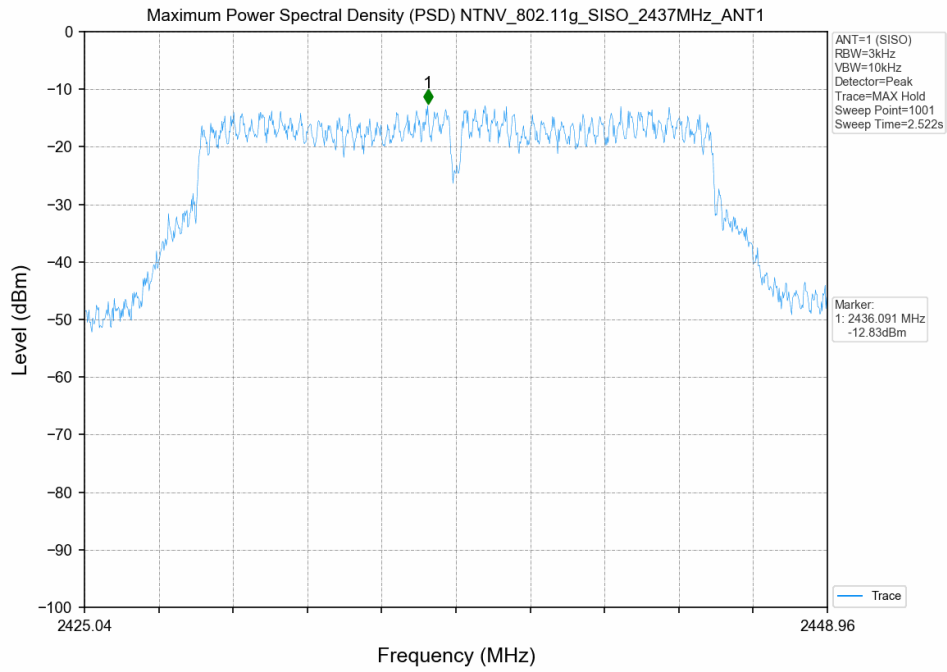
4.1 Test Result

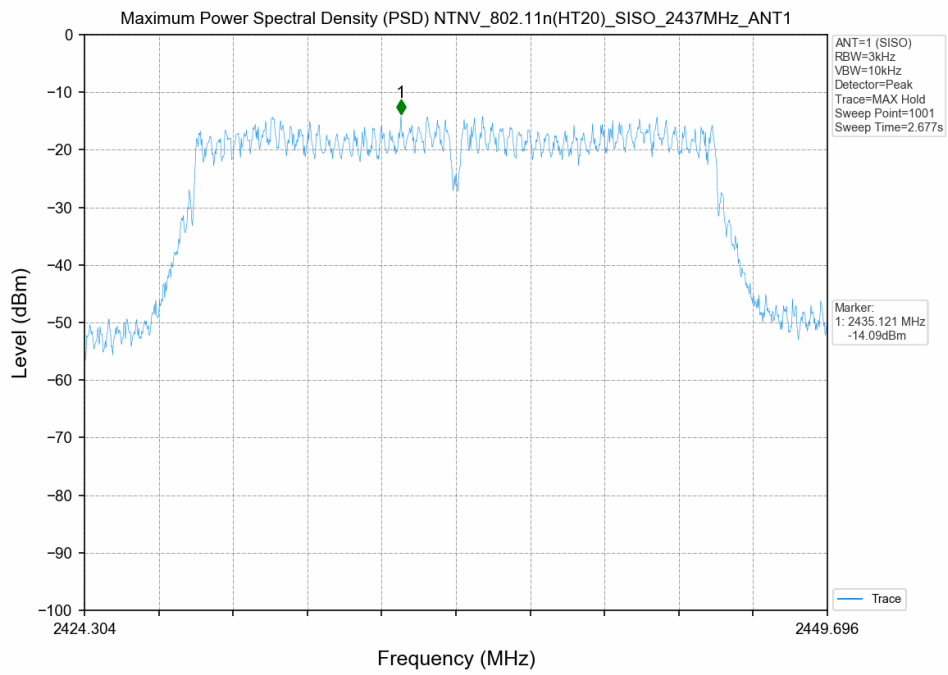
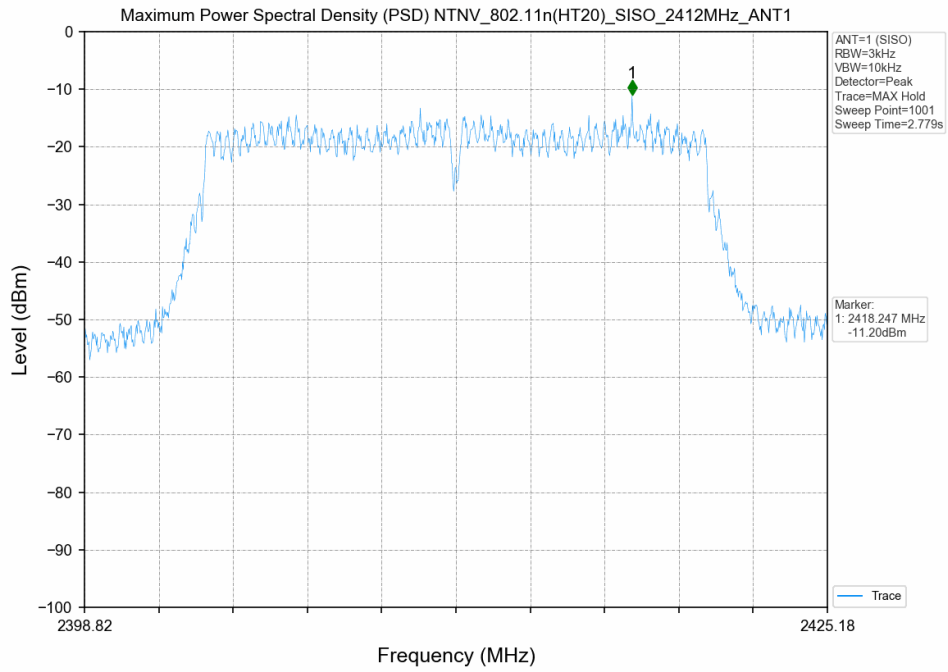
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kKHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-7.51	≤8	PASS
	2437	SISO	-8.60	≤8	PASS
	2462	SISO	-8.30	≤8	PASS
802.11g	2412	SISO	-13.30	≤8	PASS
	2437	SISO	-12.83	≤8	PASS
	2462	SISO	-11.31	≤8	PASS
802.11n(HT20)	2412	SISO	-11.20	≤8	PASS
	2437	SISO	-14.09	≤8	PASS
	2462	SISO	-12.78	≤8	PASS

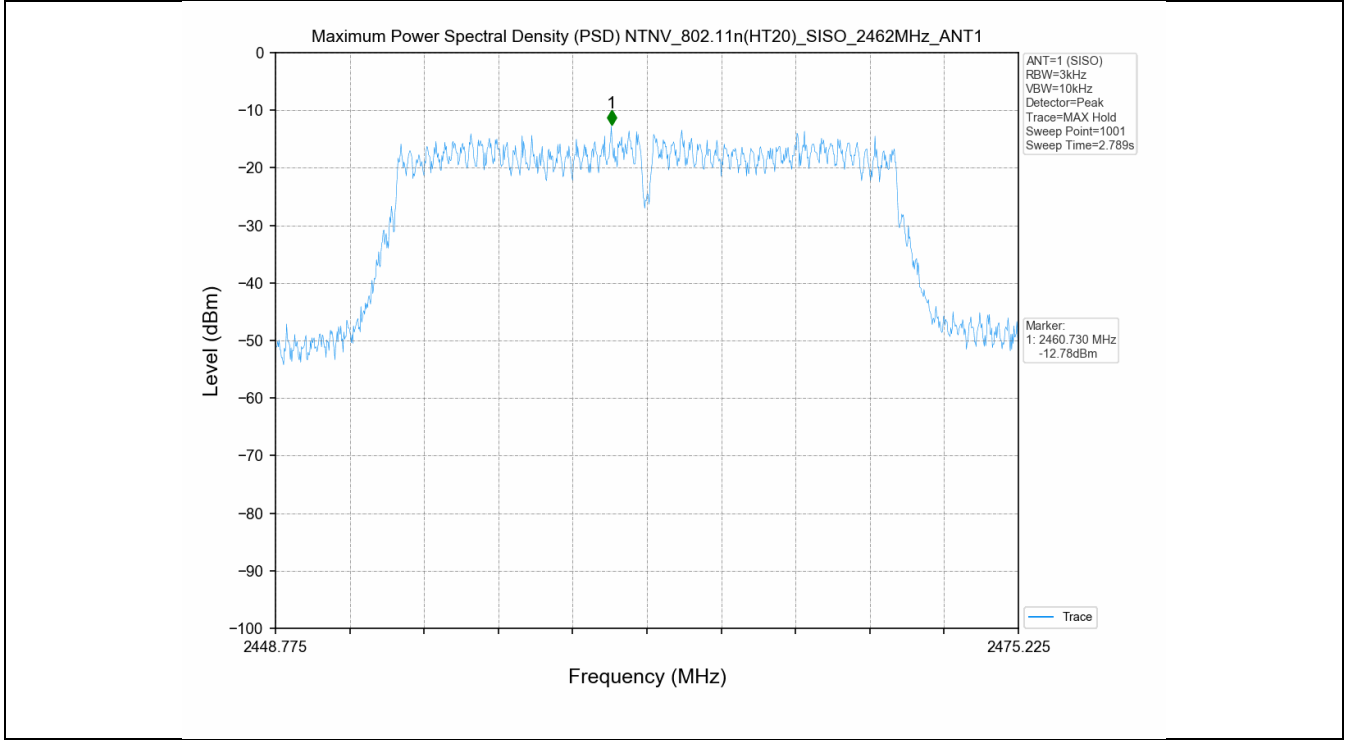
4.2 Test Graph









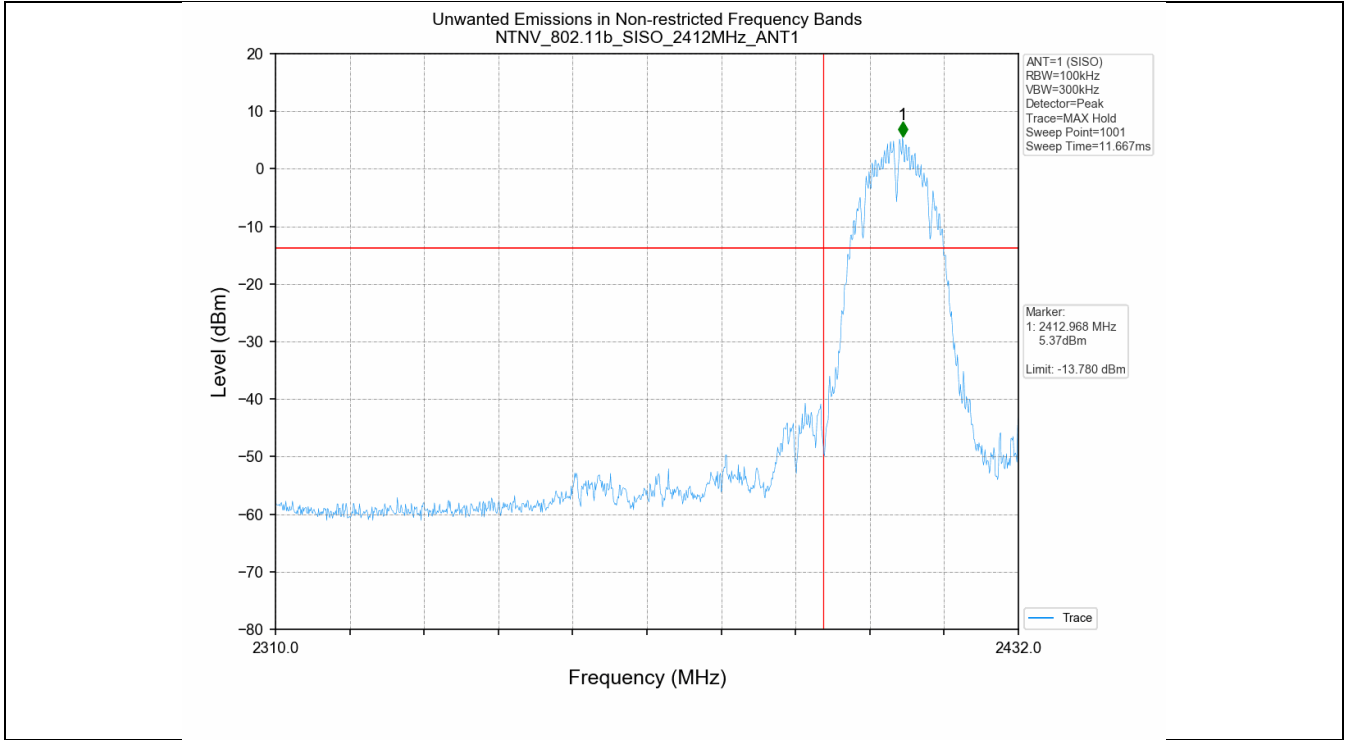
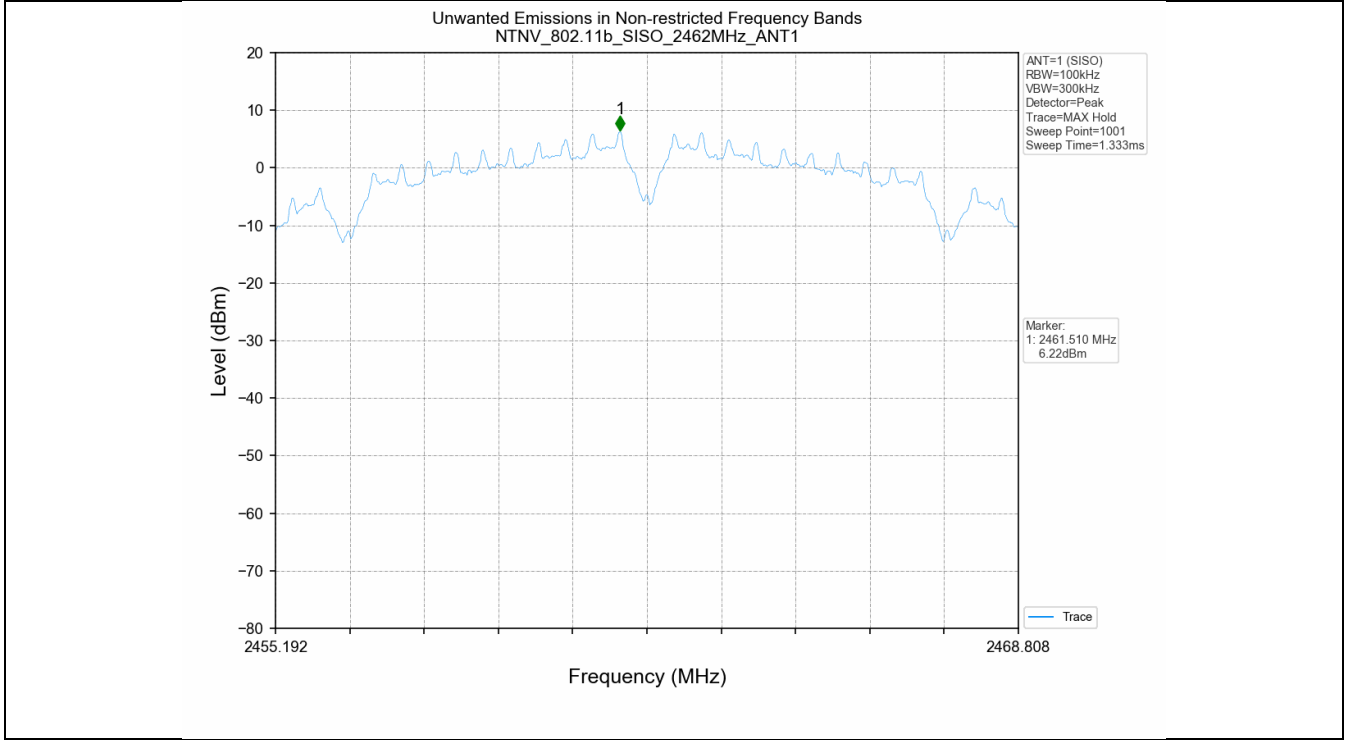


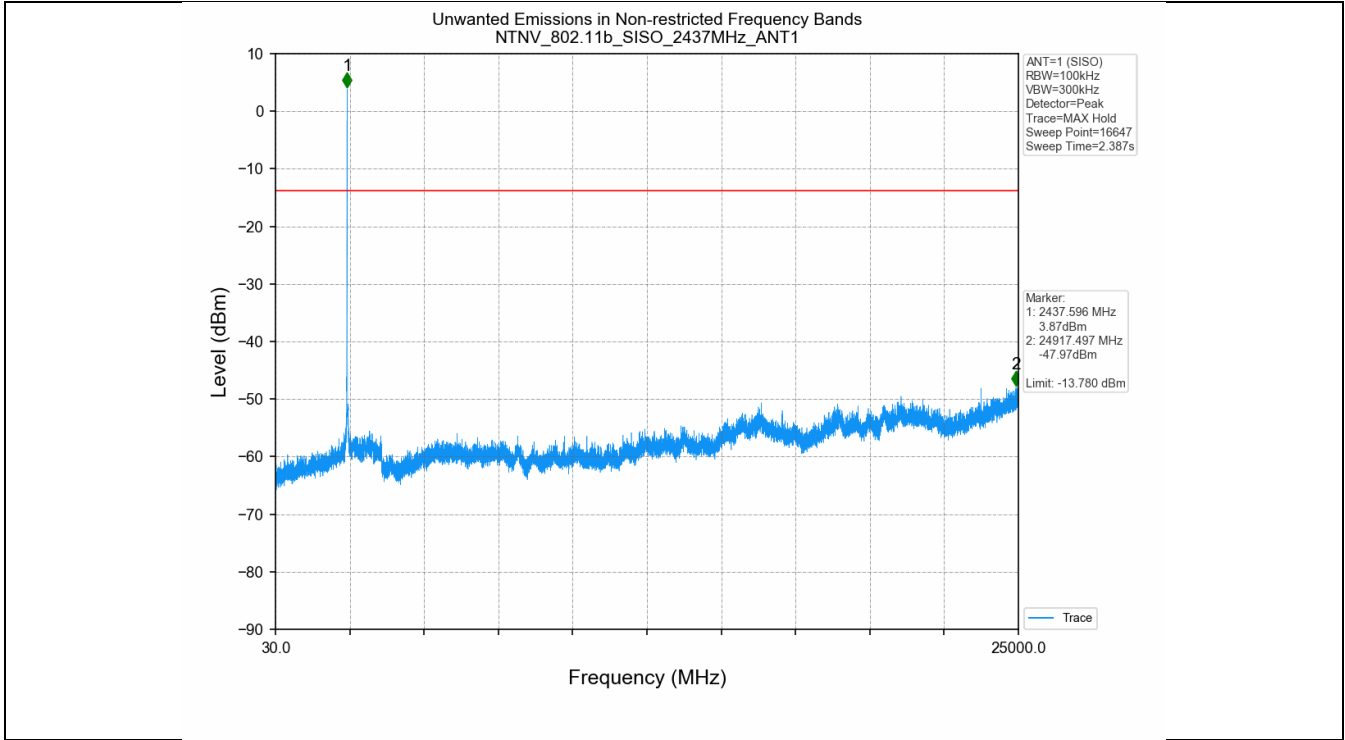
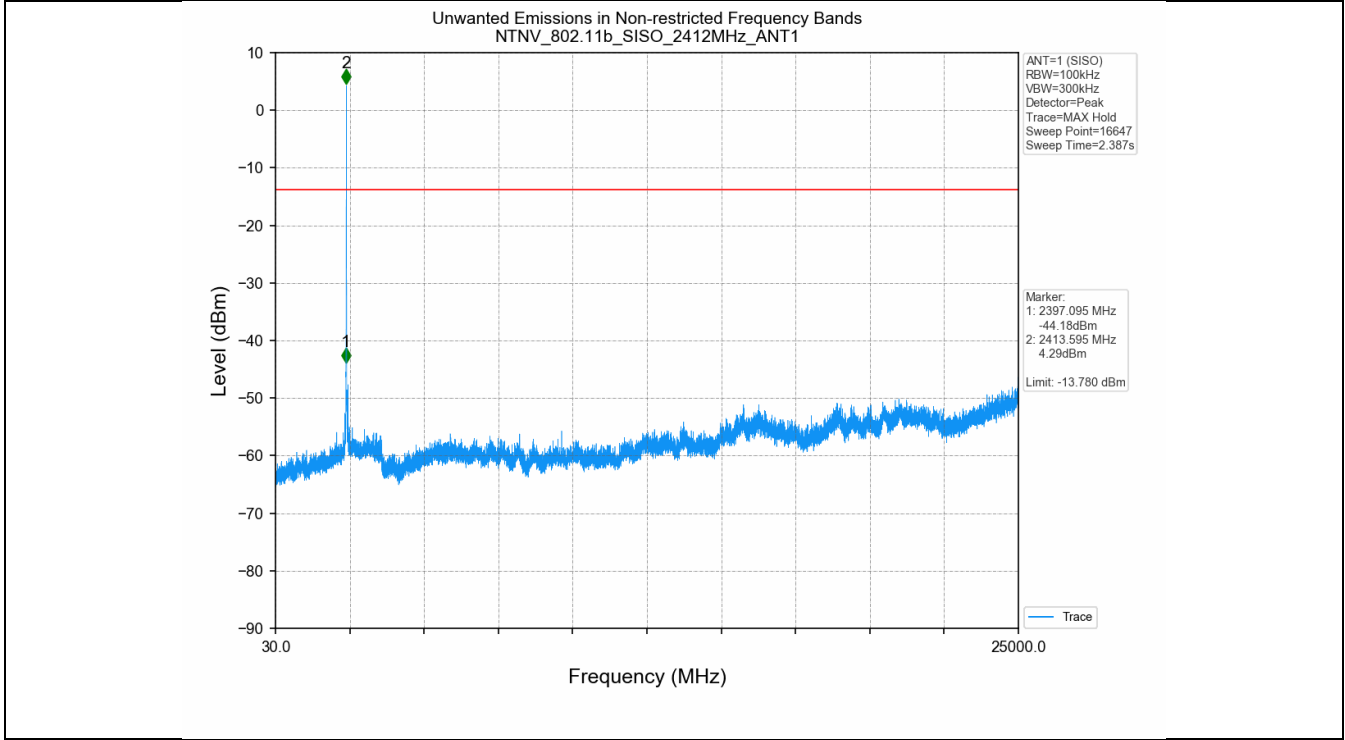
5. Unwanted Emissions in Non-restricted Frequency Bands

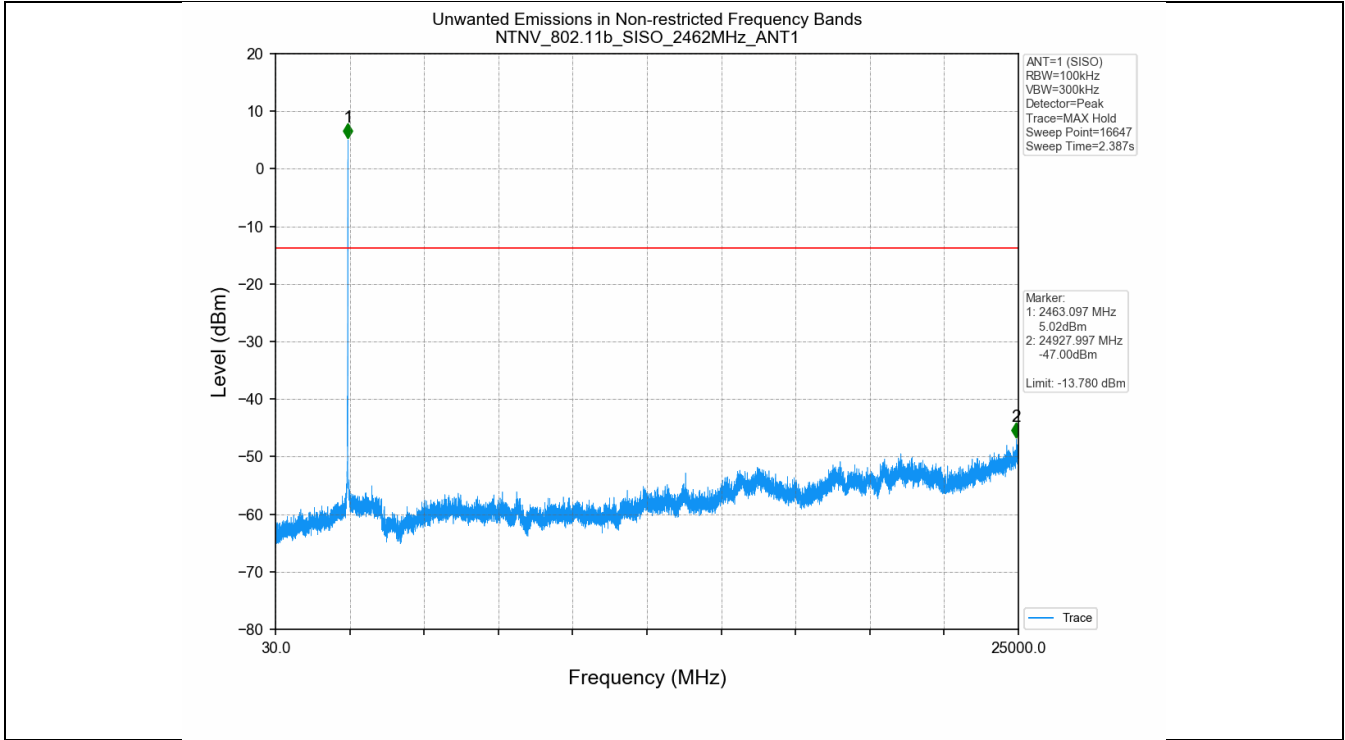
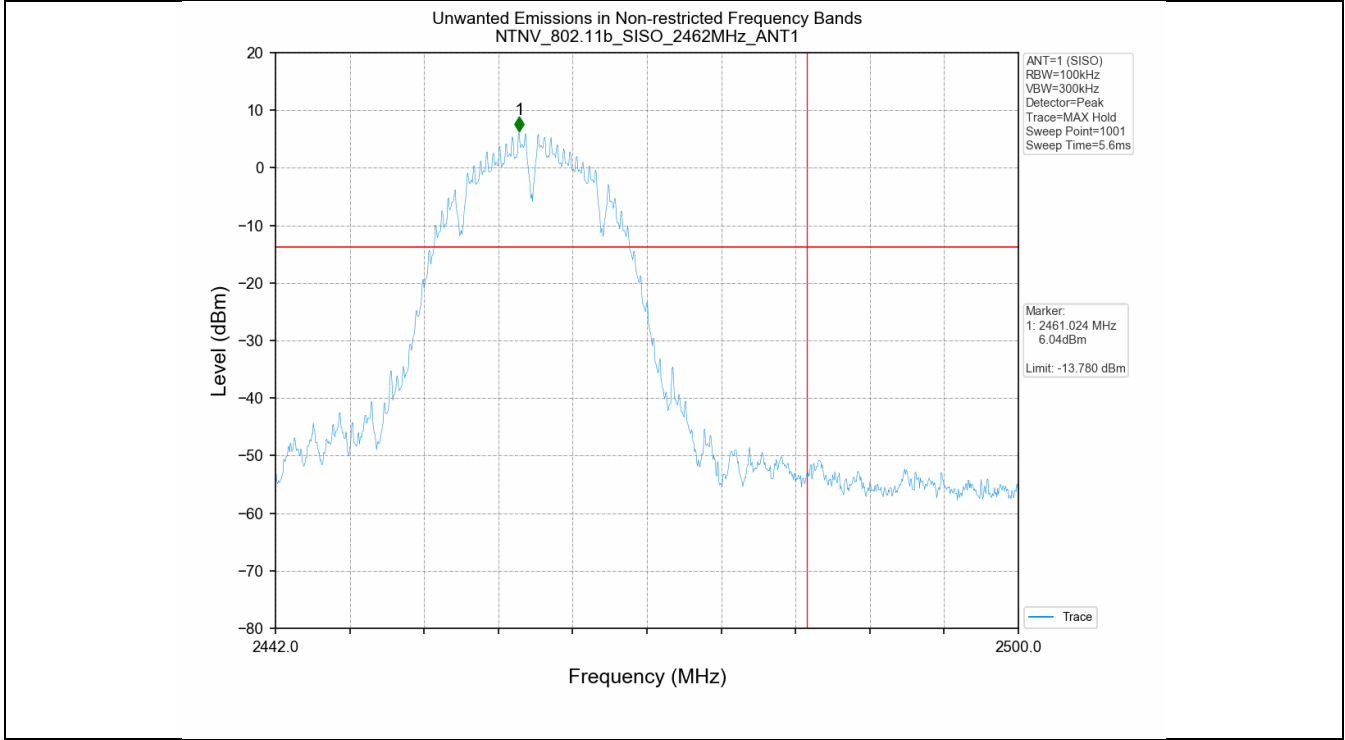
5.1 Test Result

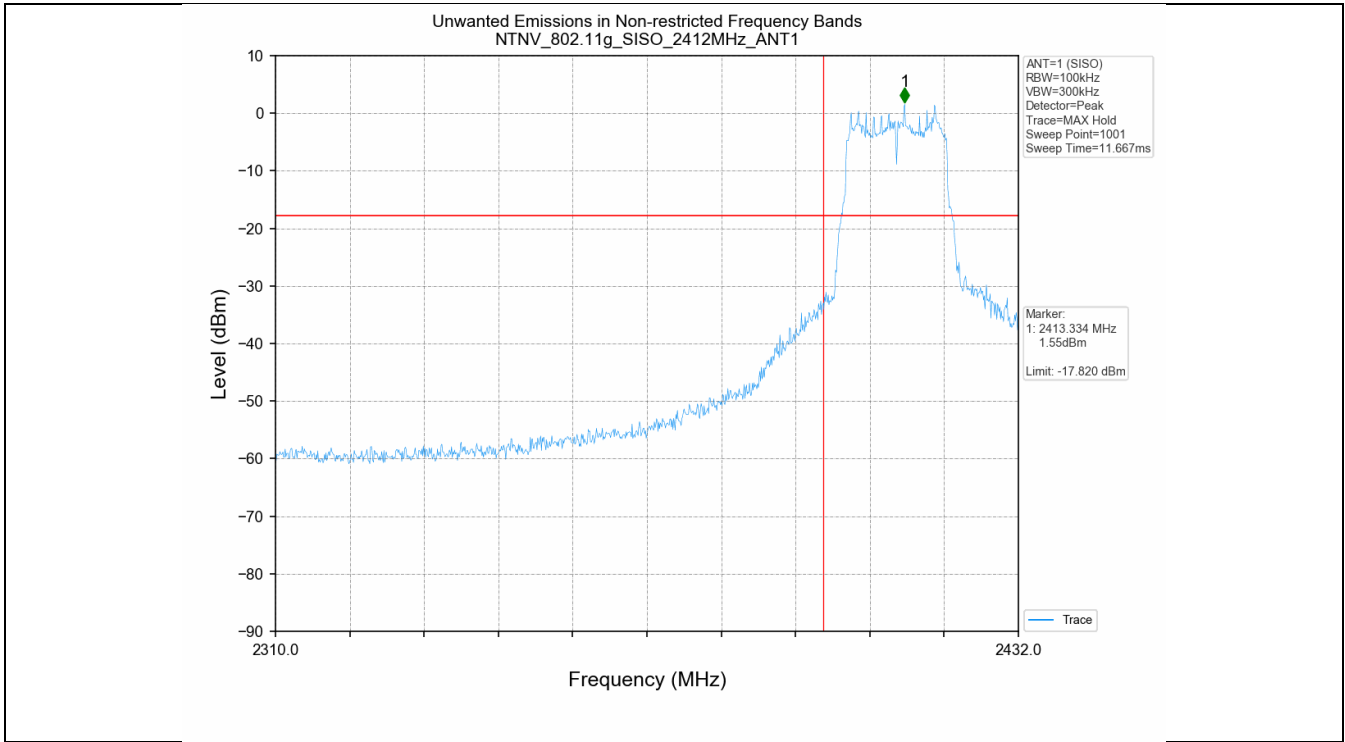
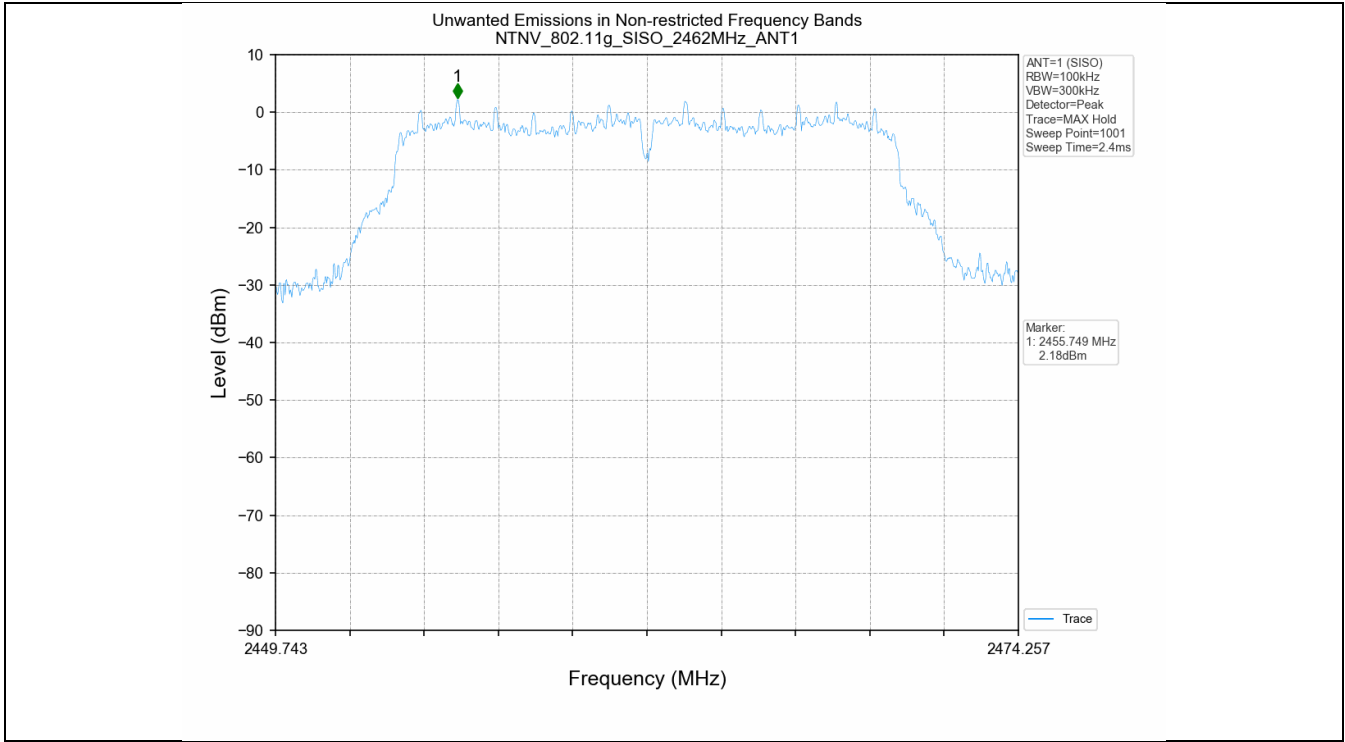
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-13.78	PASS
	2437	SISO	1	Refer to test graph	-13.78	PASS
	2462	SISO	1	Refer to test graph	-13.78	PASS
802.11g	2412	SISO	1	Refer to test graph	-17.82	PASS
	2437	SISO	1	Refer to test graph	-17.82	PASS
	2462	SISO	1	Refer to test graph	-17.82	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-18.64	PASS
	2437	SISO	1	Refer to test graph	-18.64	PASS
	2462	SISO	1	Refer to test graph	-18.64	PASS

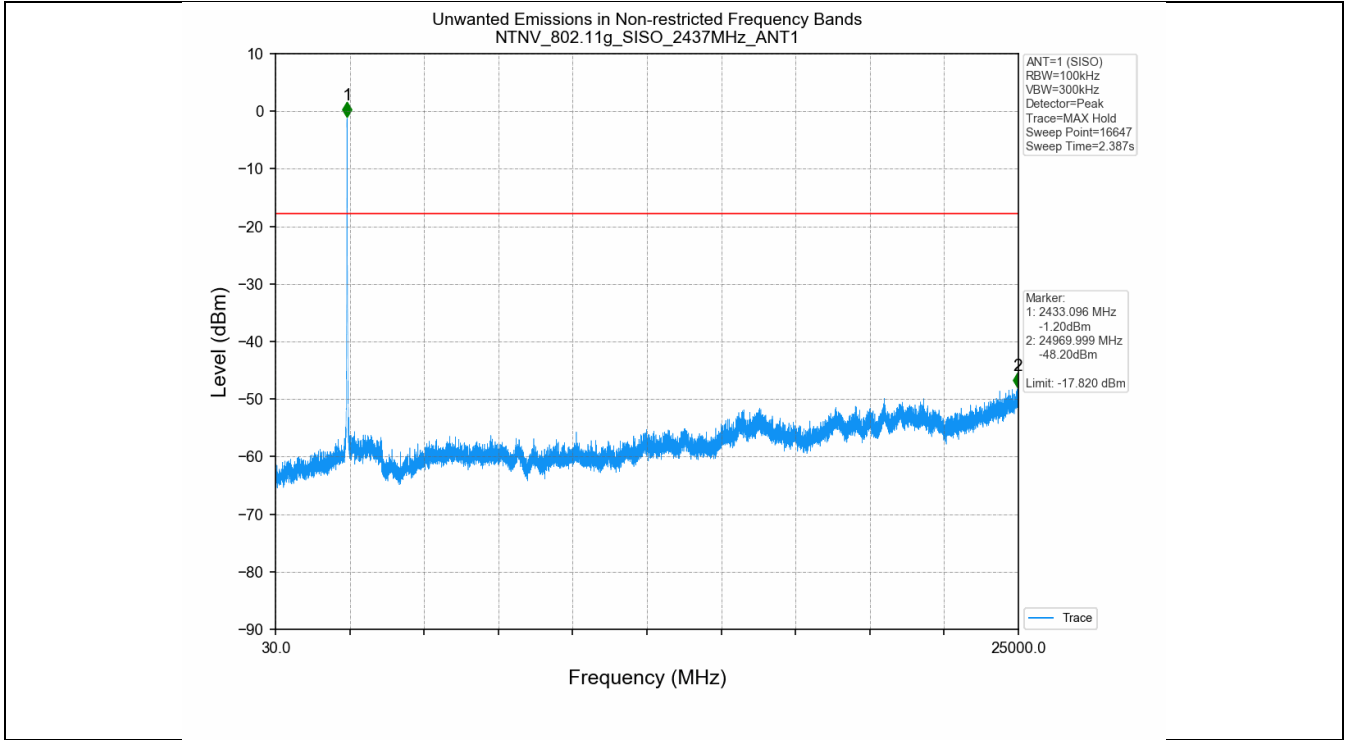
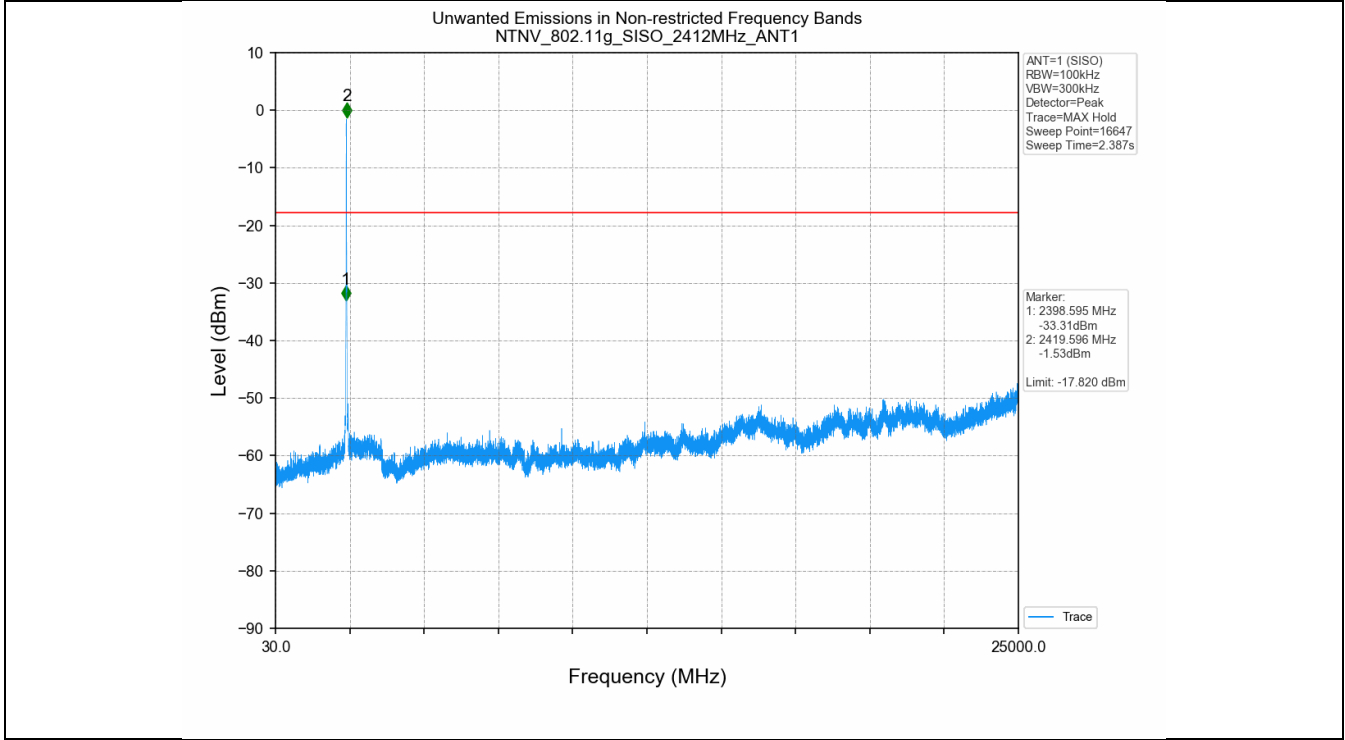
5.2 Test Graph

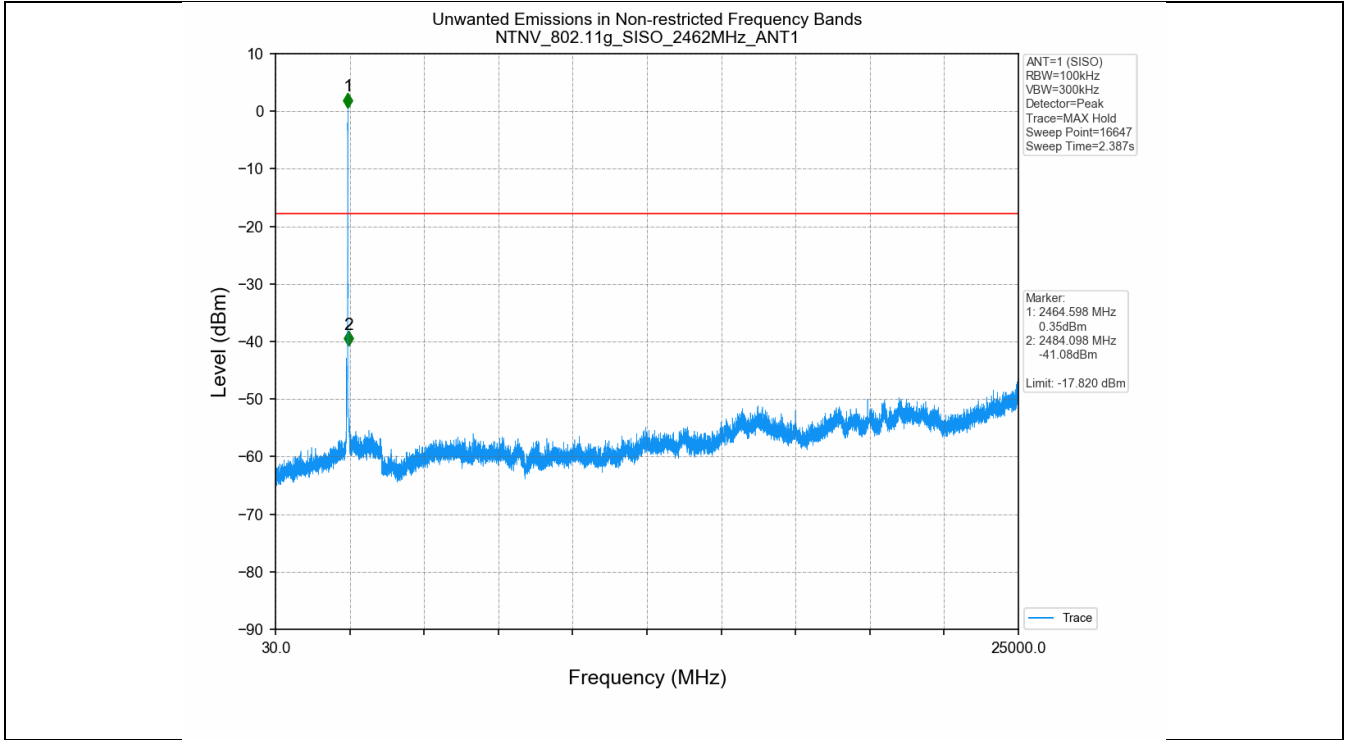
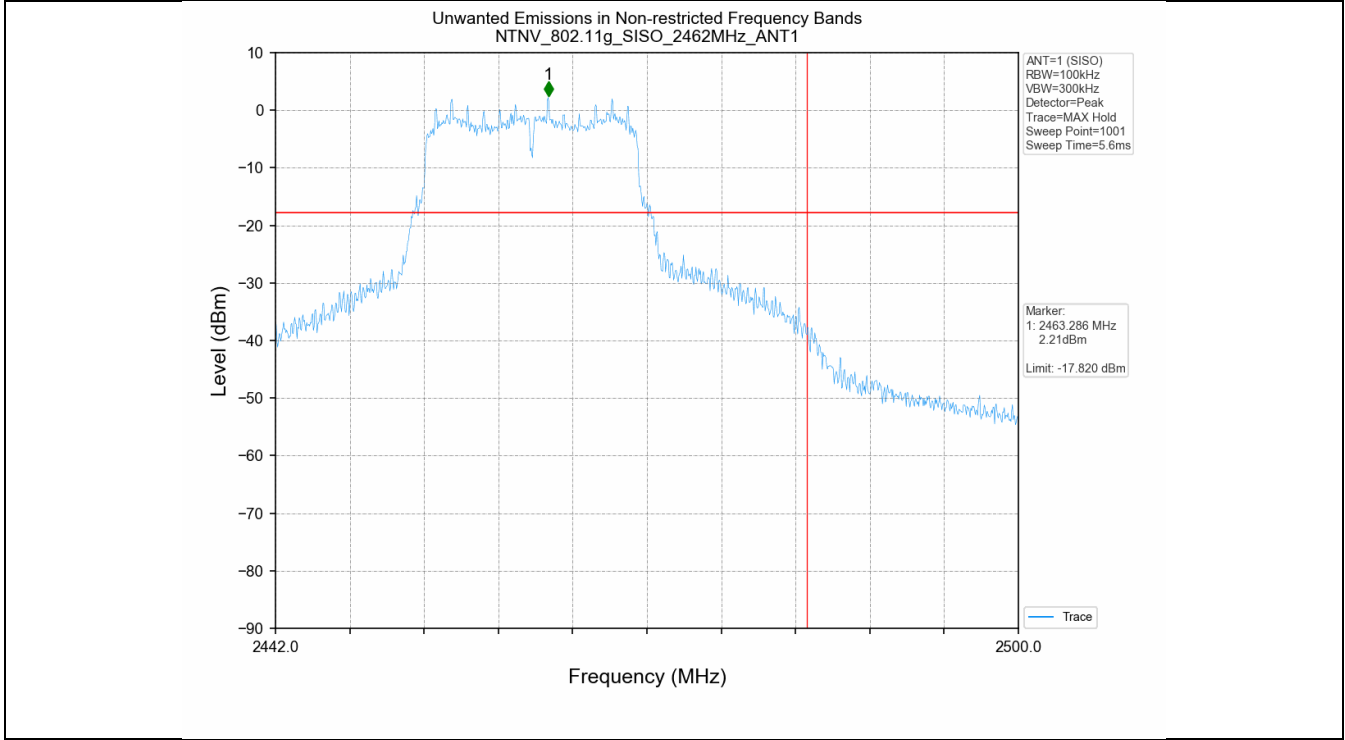


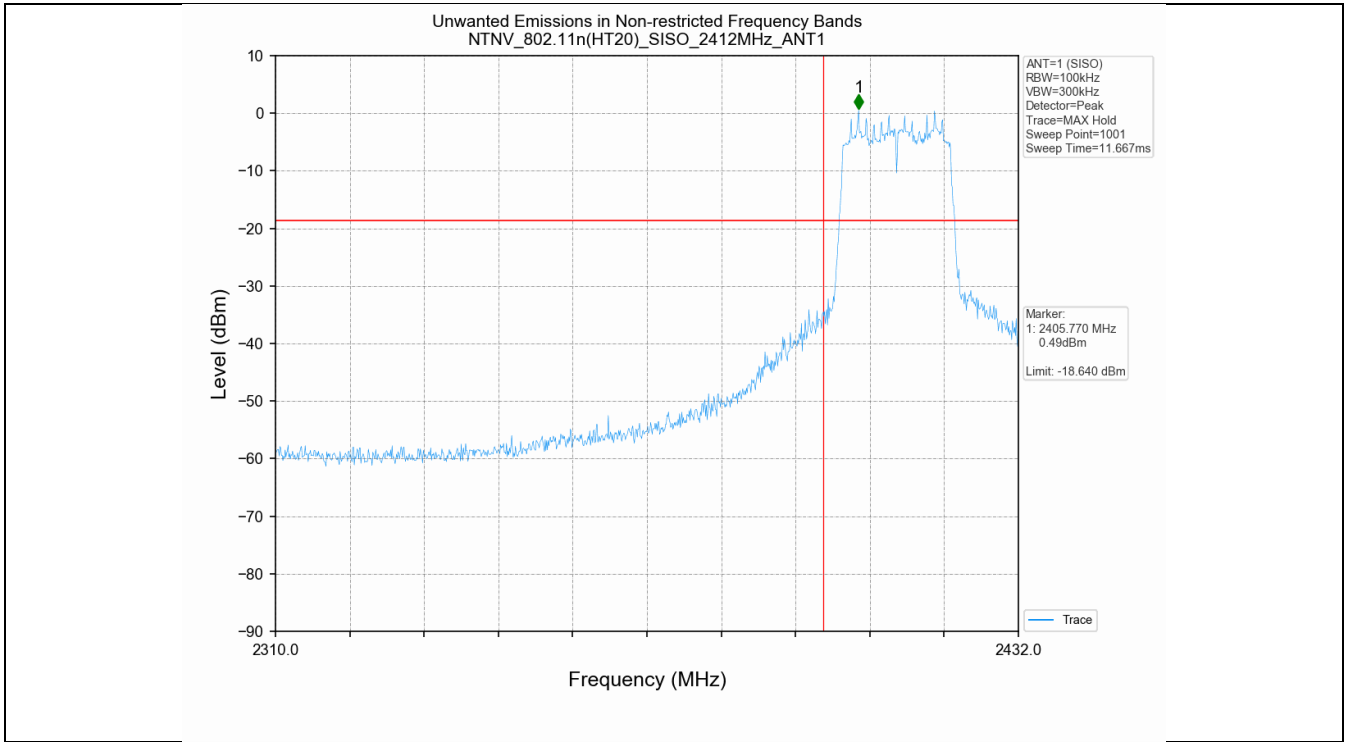
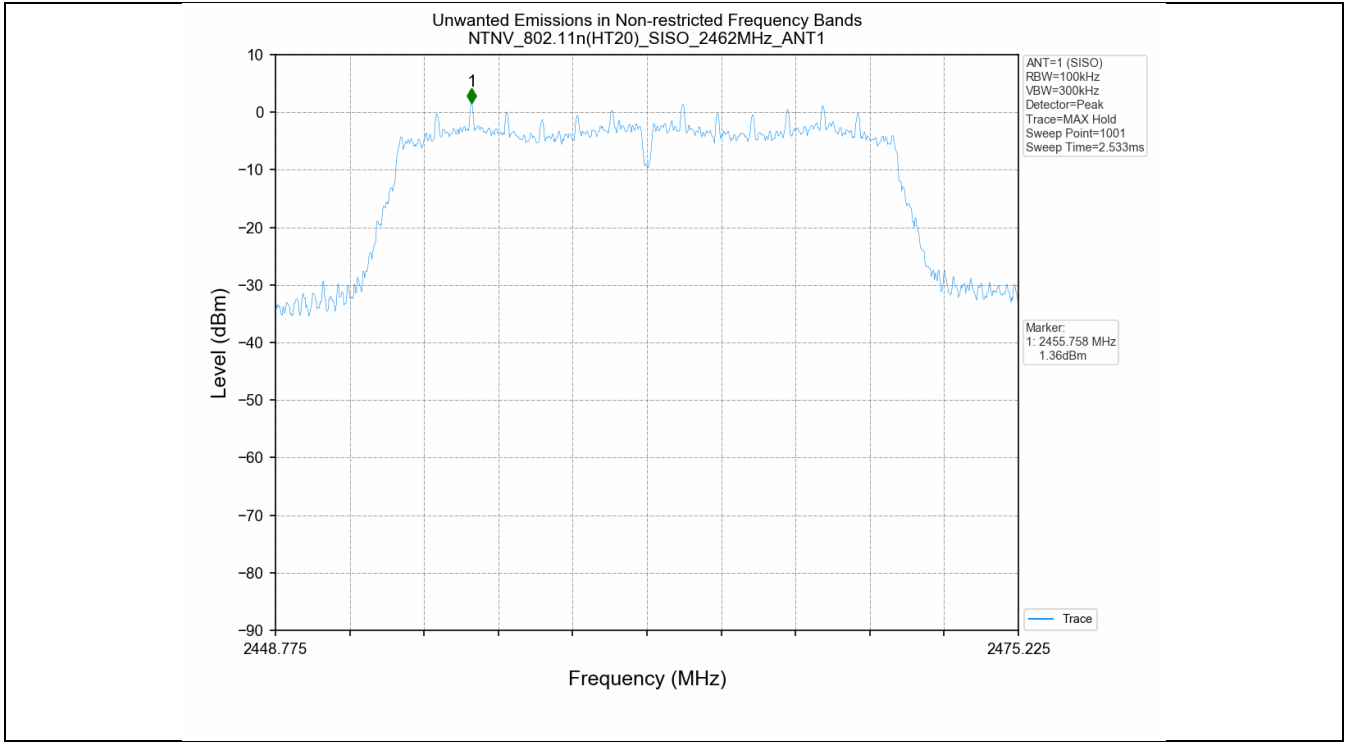




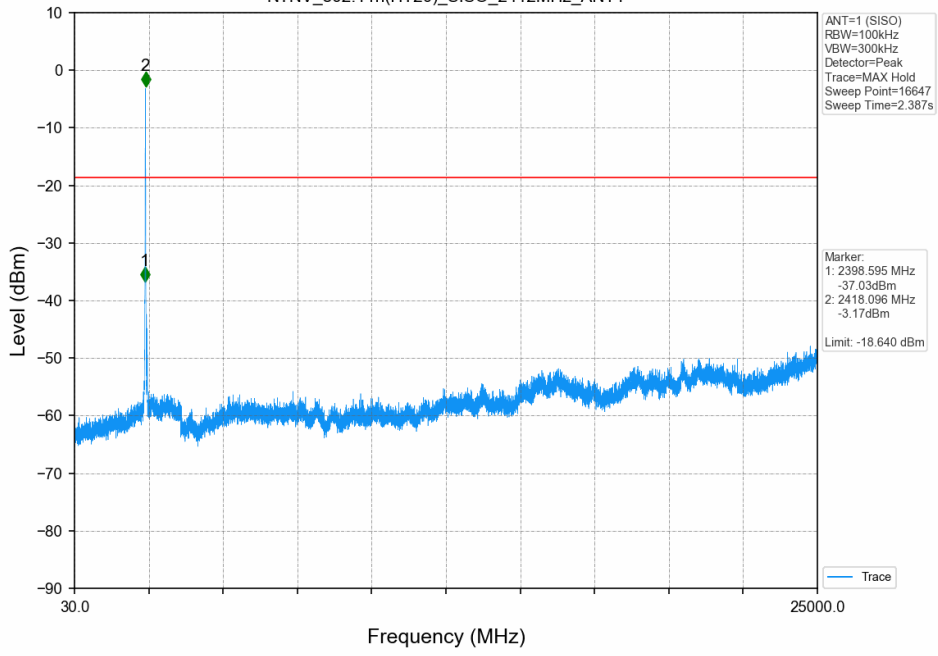








Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_SISO_2412MHz_ANT1



Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_SISO_2437MHz_ANT1

