

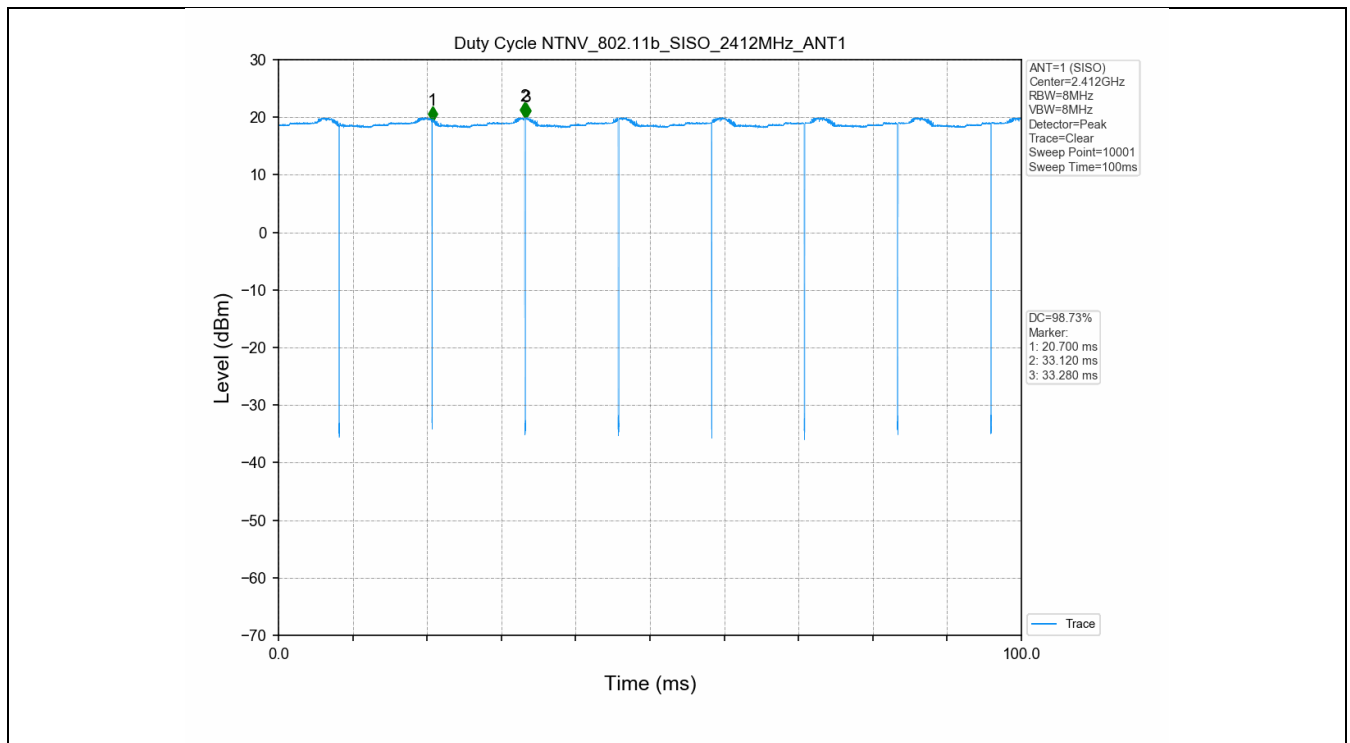
Appendix A for SHEM200800661001

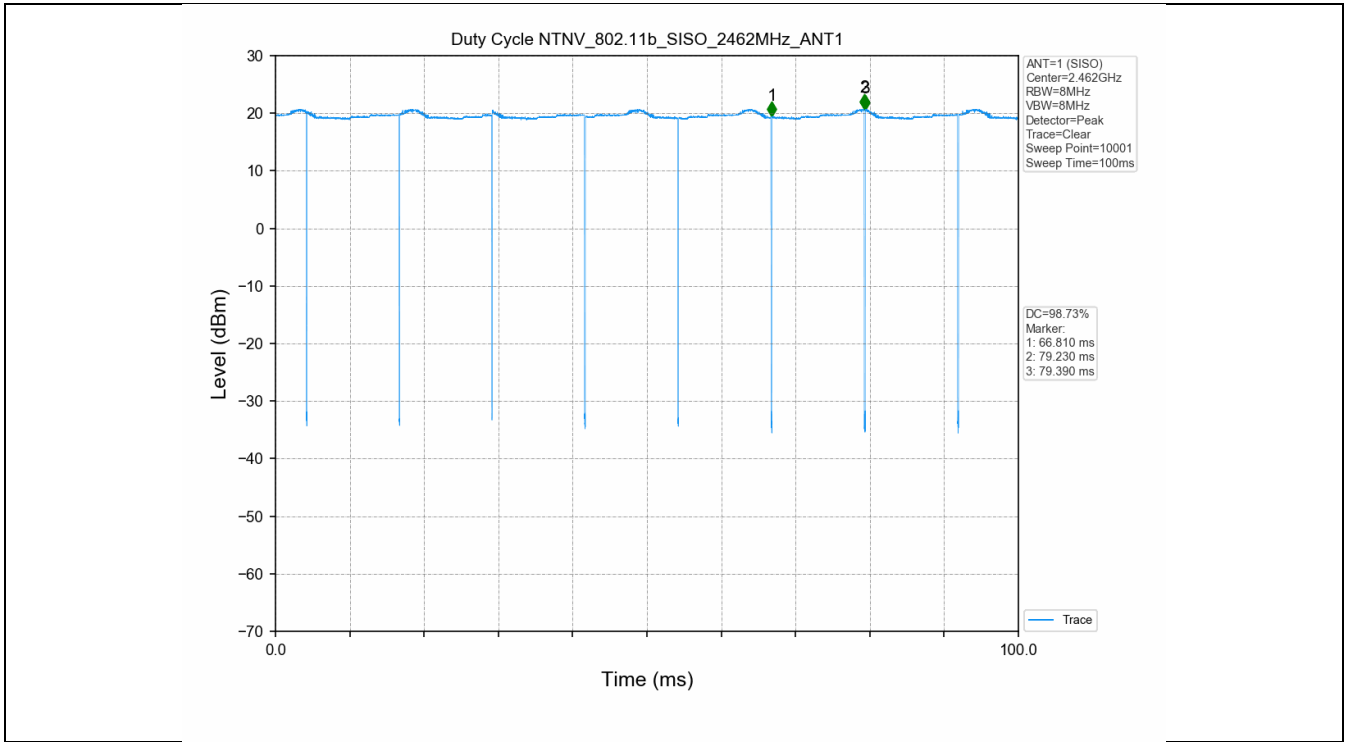
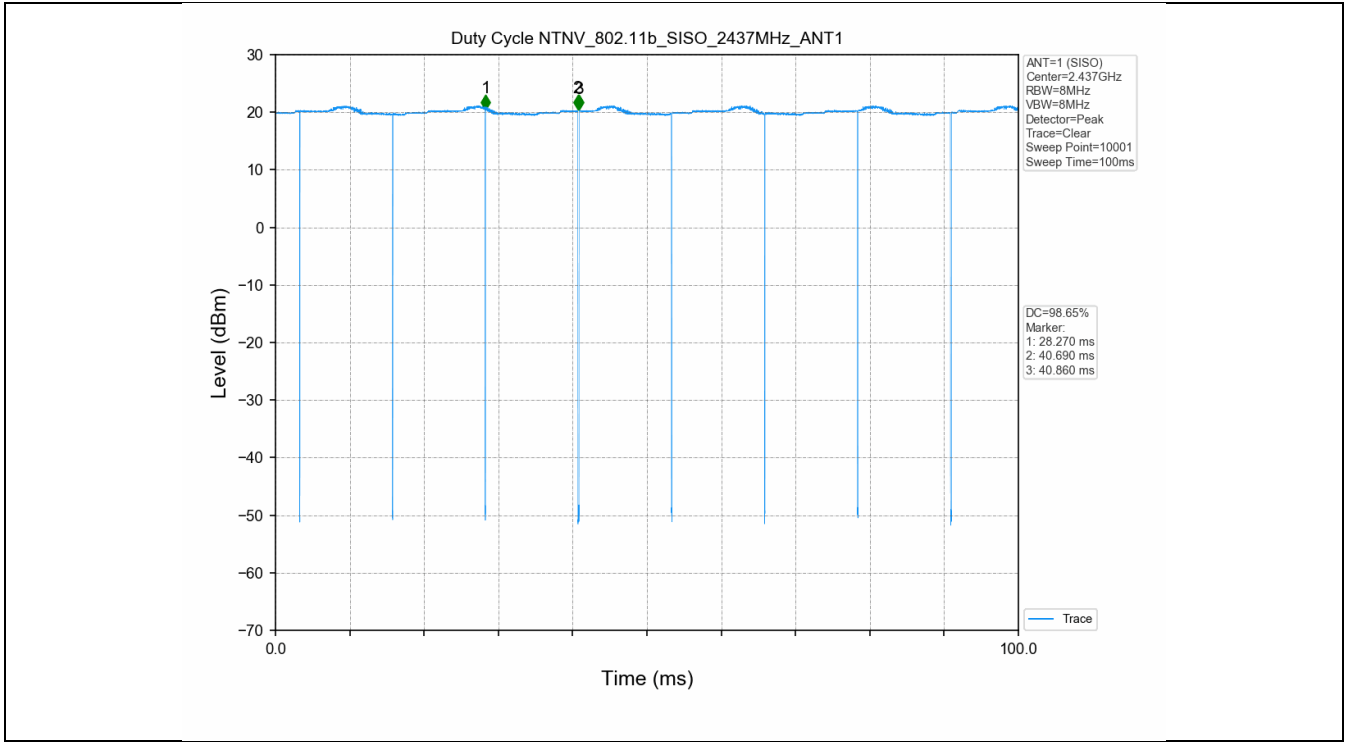
1. Duty Cycle

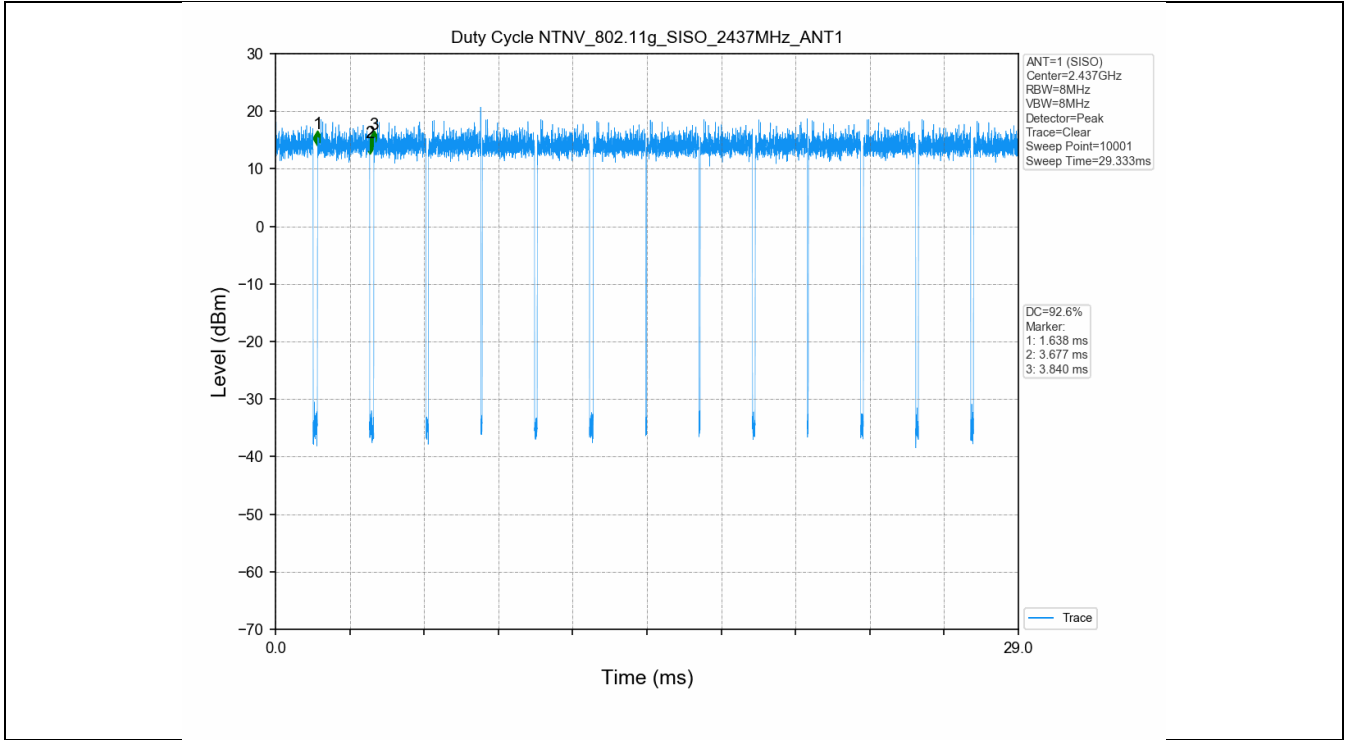
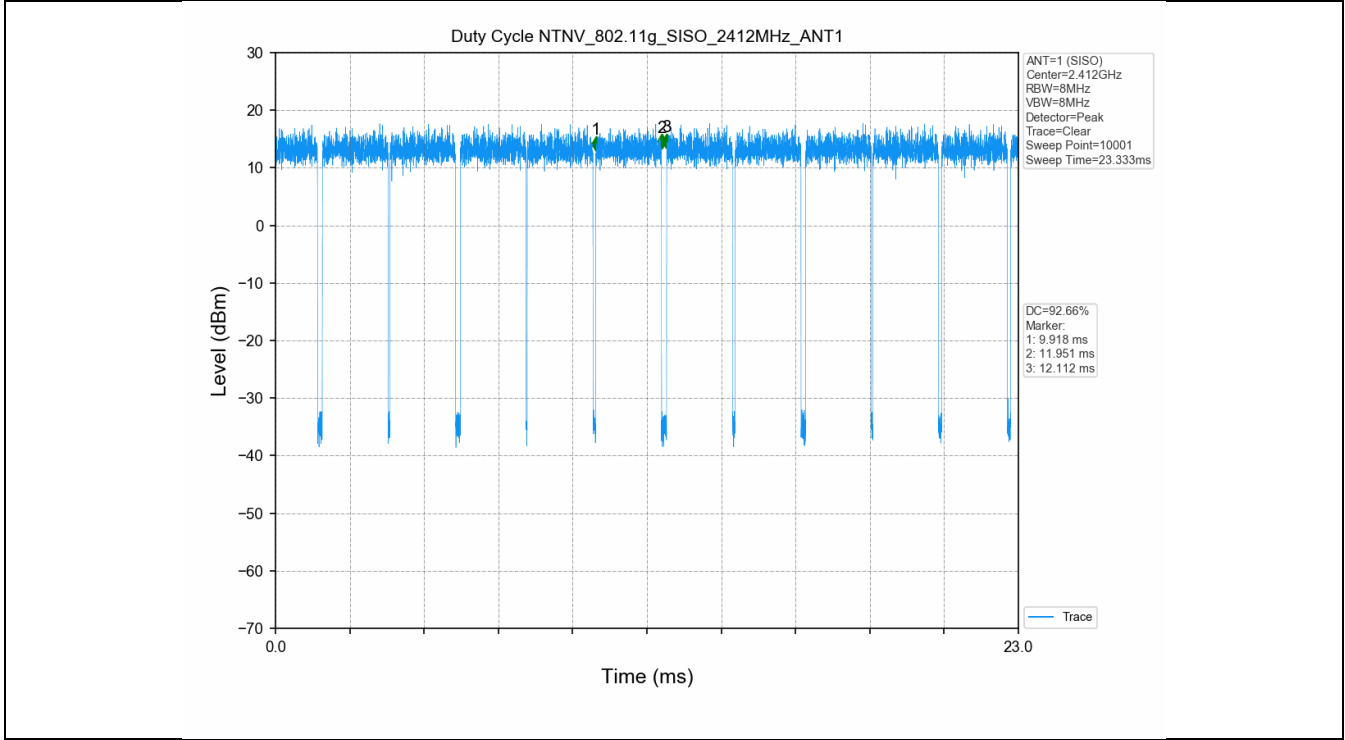
1.1 Test Result

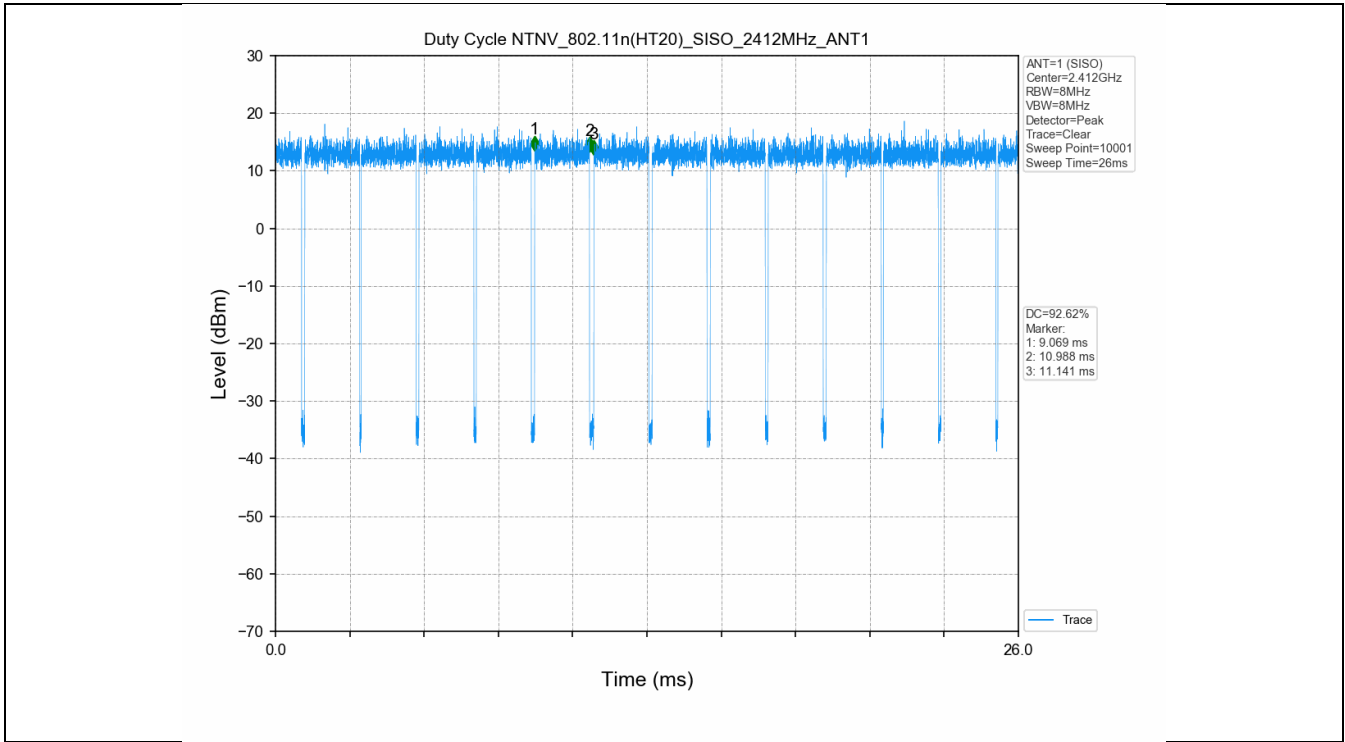
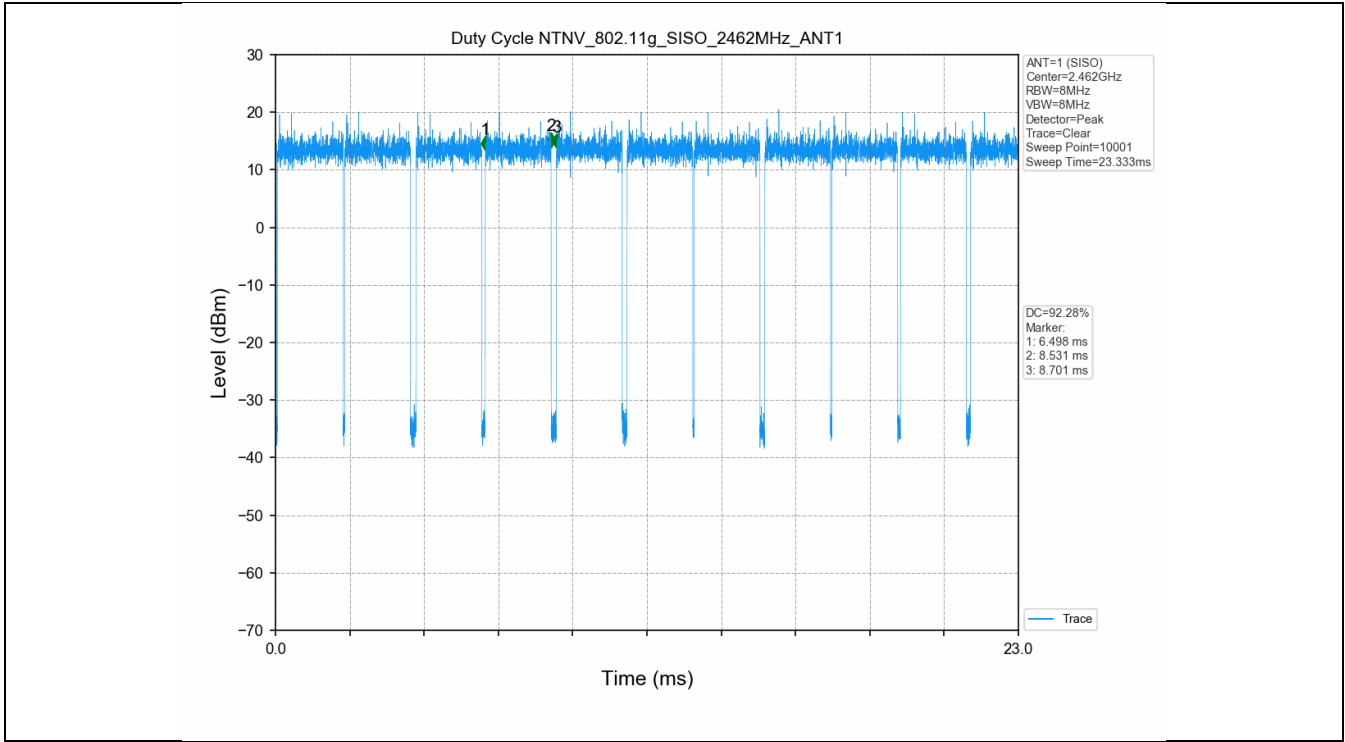
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	12.420	12.580	98.73	0.06
	2437	SISO	1	12.420	12.590	98.65	0.06
	2462	SISO	1	12.420	12.580	98.73	0.06
802.11g	2412	SISO	1	2.033	2.194	92.66	0.33
	2437	SISO	1	2.039	2.202	92.60	0.33
	2462	SISO	1	2.033	2.203	92.28	0.35
802.11n(HT20)	2412	SISO	1	1.919	2.072	92.62	0.33
	2437	SISO	1	1.890	2.050	92.20	0.35
	2462	SISO	1	1.895	2.065	91.77	0.37

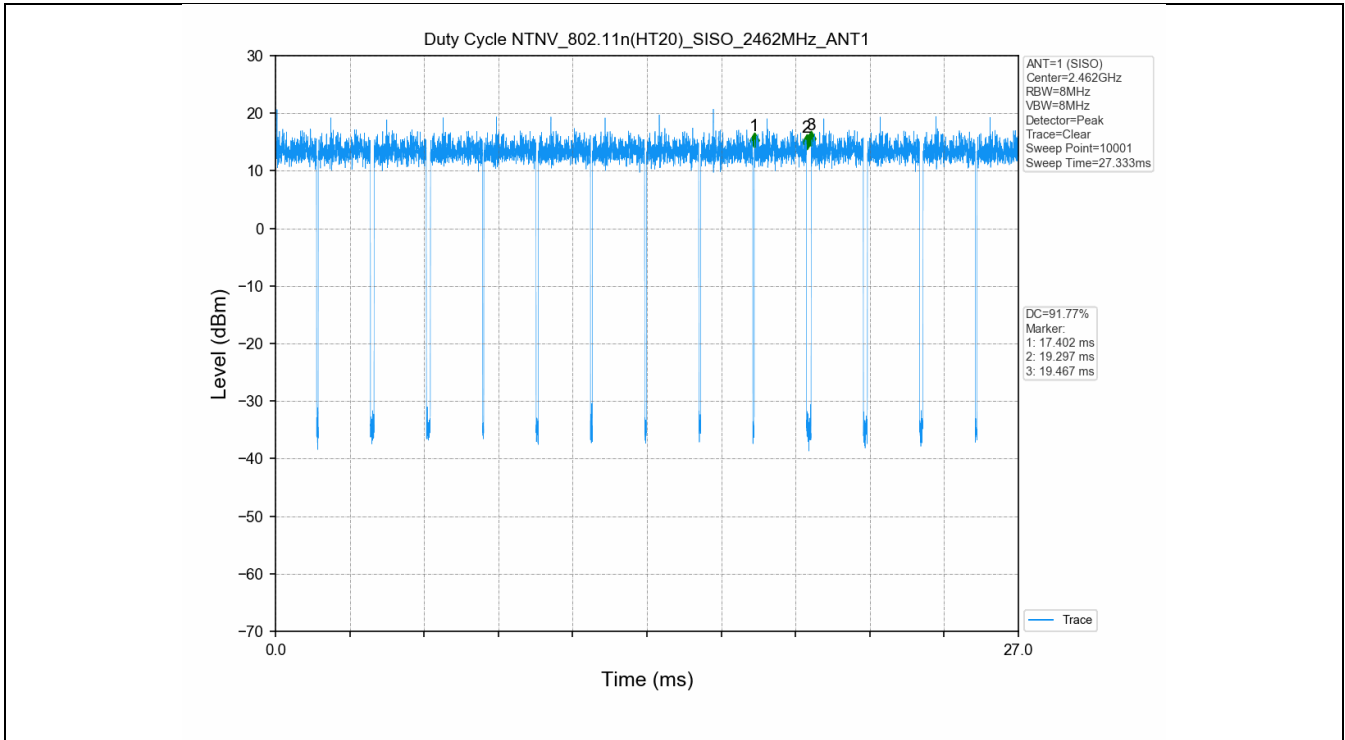
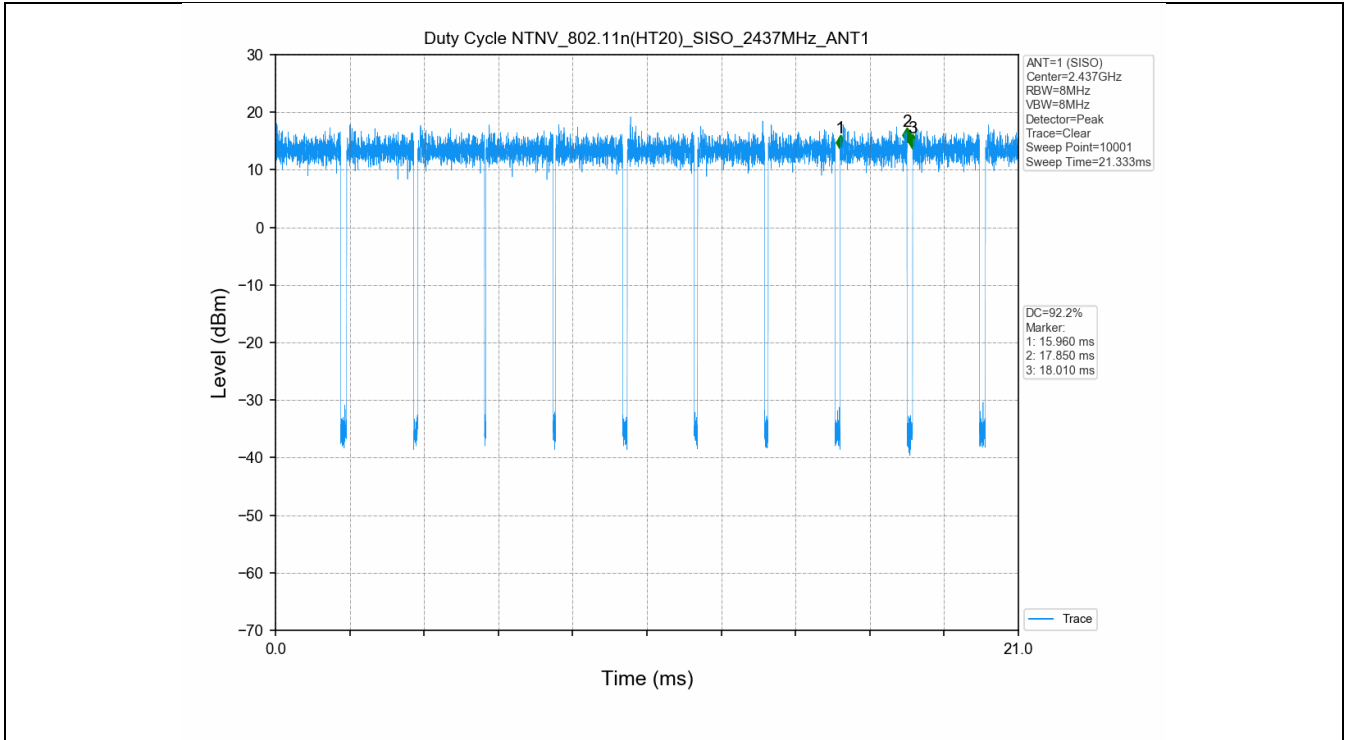
1.2 Test Graph











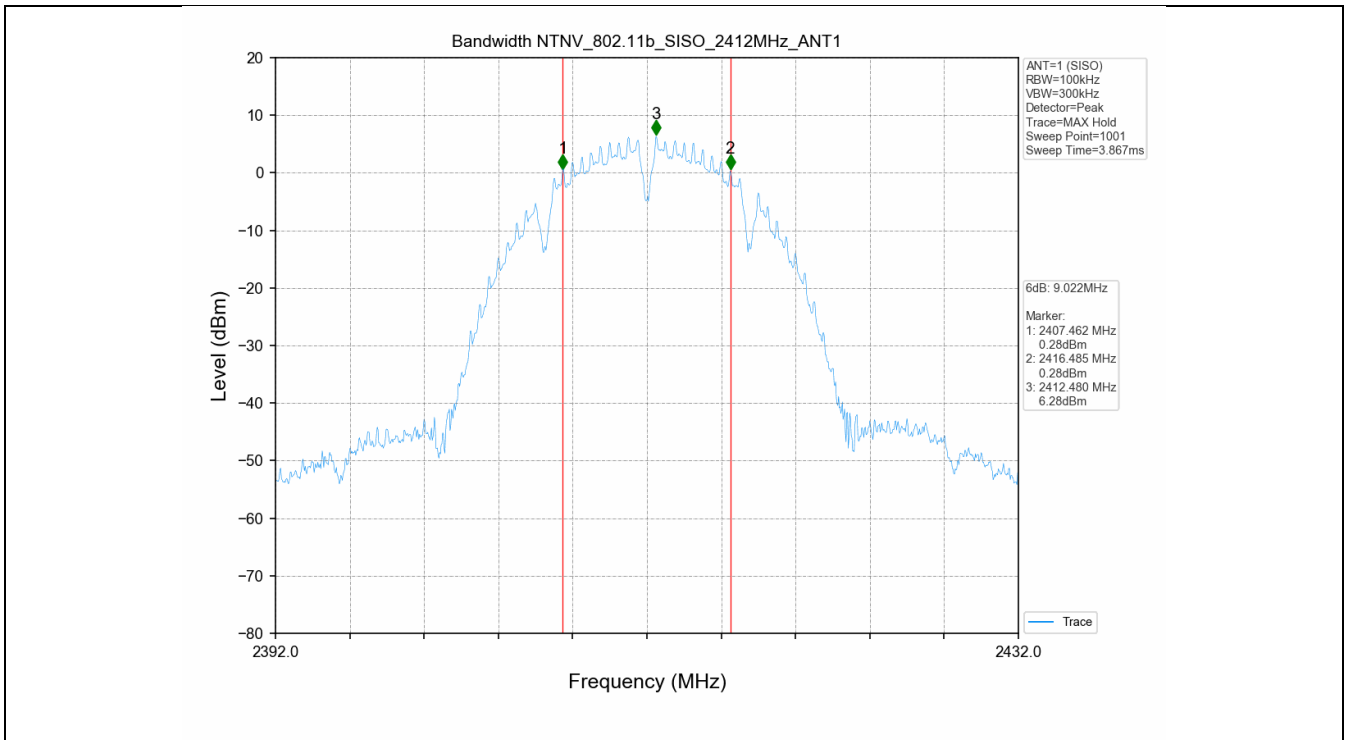
2. Bandwidth

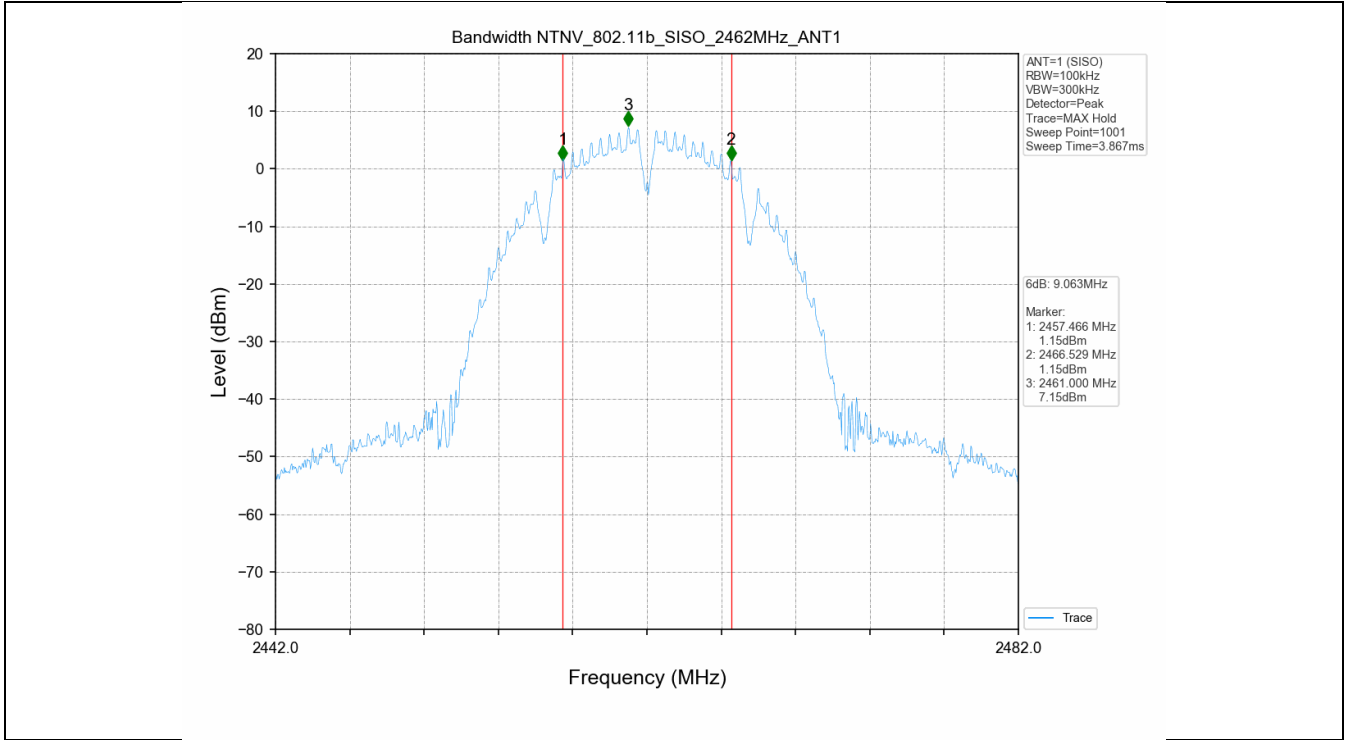
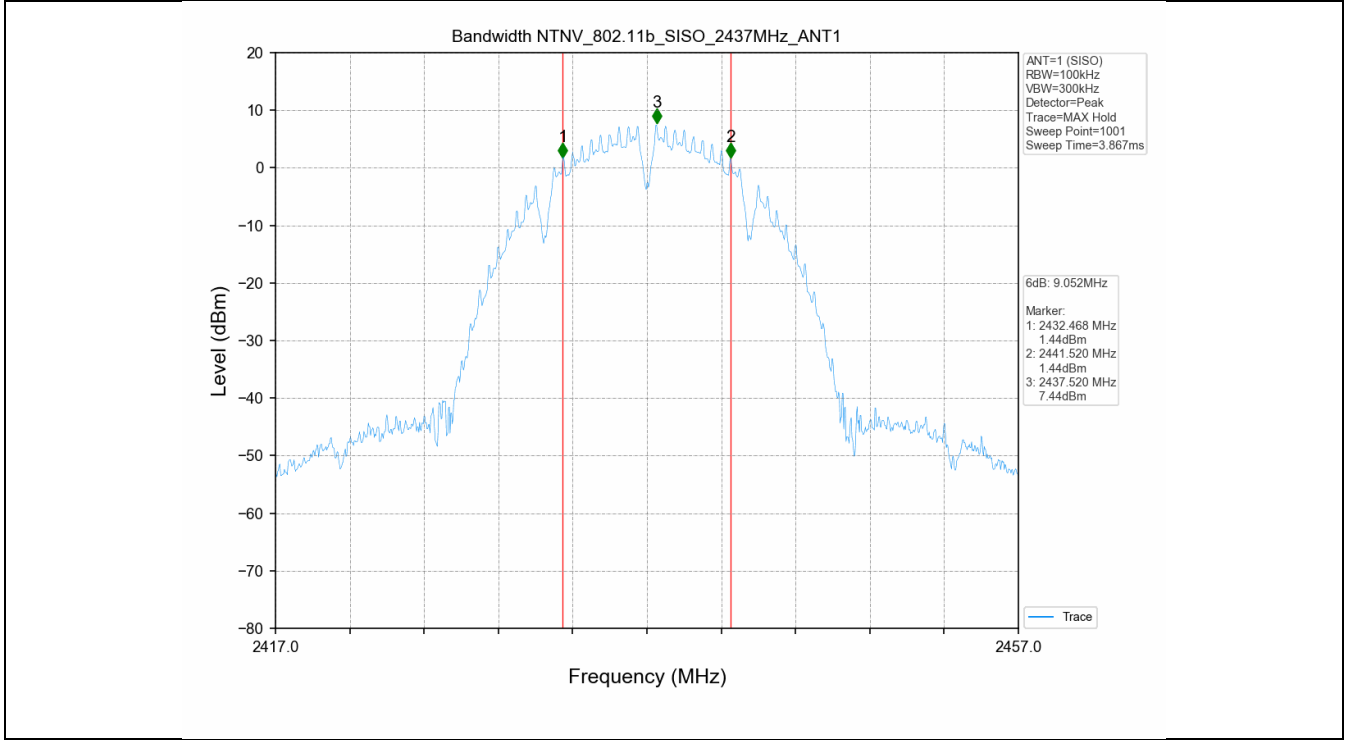
2.1 Test Result

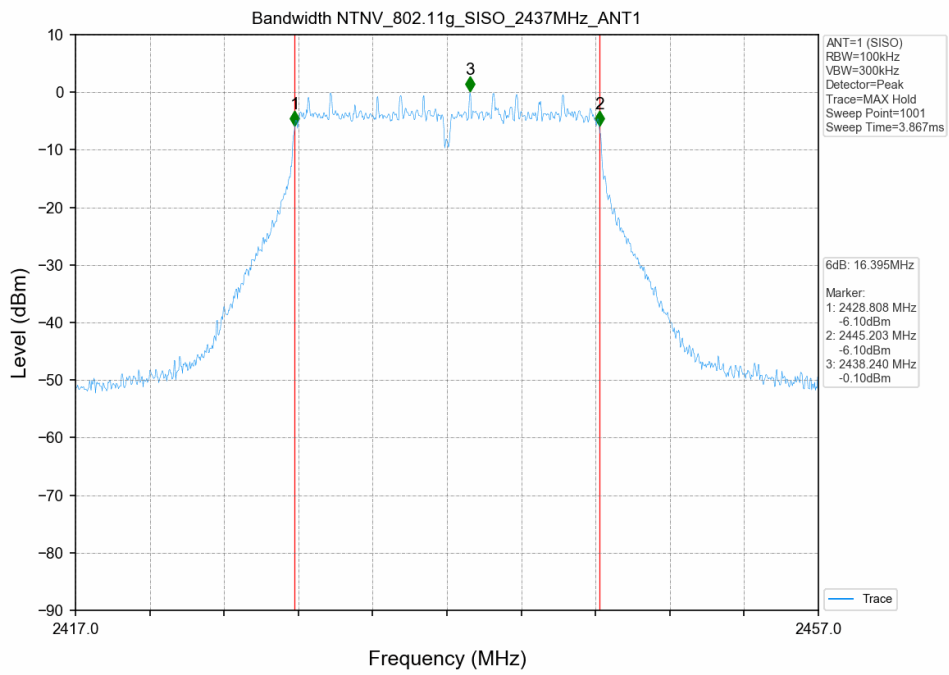
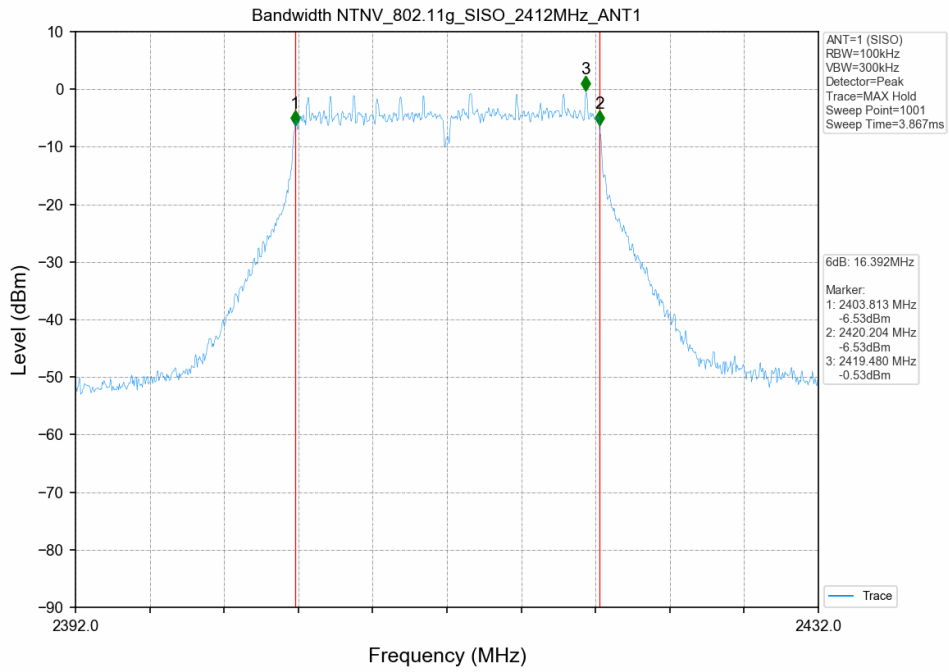
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	9.022	≥0.5	PASS
	2437	SISO	1	9.052	≥0.5	PASS
	2462	SISO	1	9.063	≥0.5	PASS
802.11g	2412	SISO	1	16.392	≥0.5	PASS
	2437	SISO	1	16.395	≥0.5	PASS
	2462	SISO	1	16.383	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.571	≥0.5	PASS
	2437	SISO	1	17.571	≥0.5	PASS
	2462	SISO	1	17.572	≥0.5	PASS

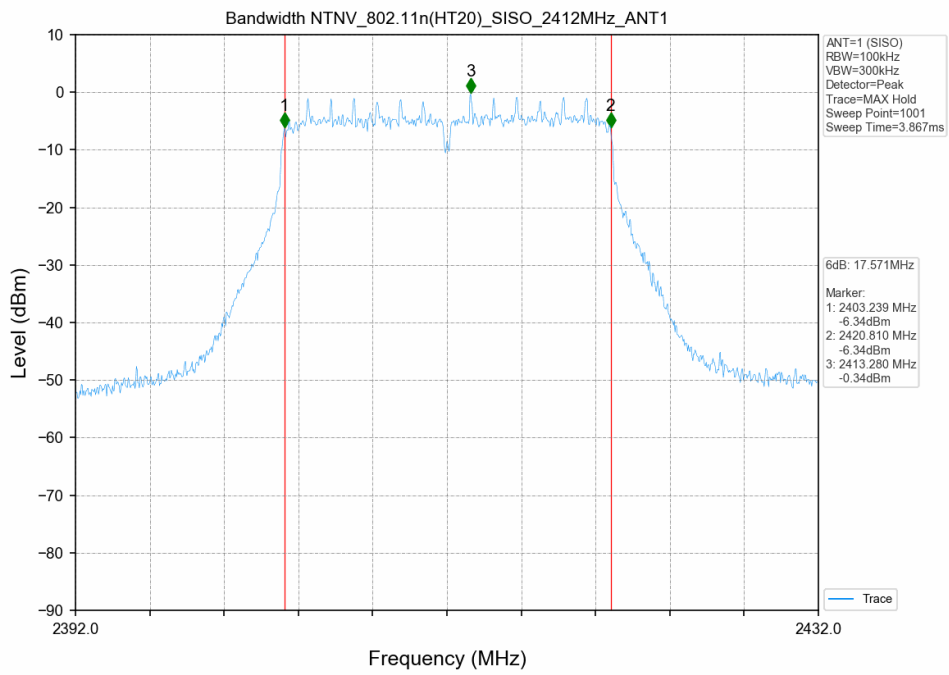
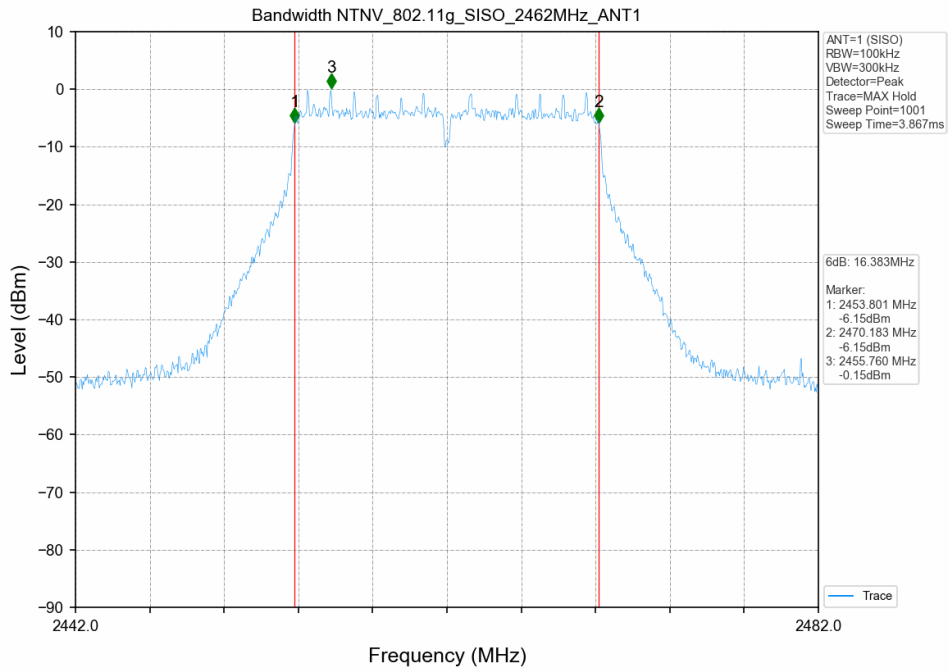
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	13.537	Only for Report Use
	2437	SISO	1	13.518	Only for Report Use
	2462	SISO	1	13.492	Only for Report Use
802.11g	2412	SISO	1	16.802	Only for Report Use
	2437	SISO	1	16.907	Only for Report Use
	2462	SISO	1	16.853	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.864	Only for Report Use
	2437	SISO	1	17.868	Only for Report Use
	2462	SISO	1	17.899	Only for Report Use

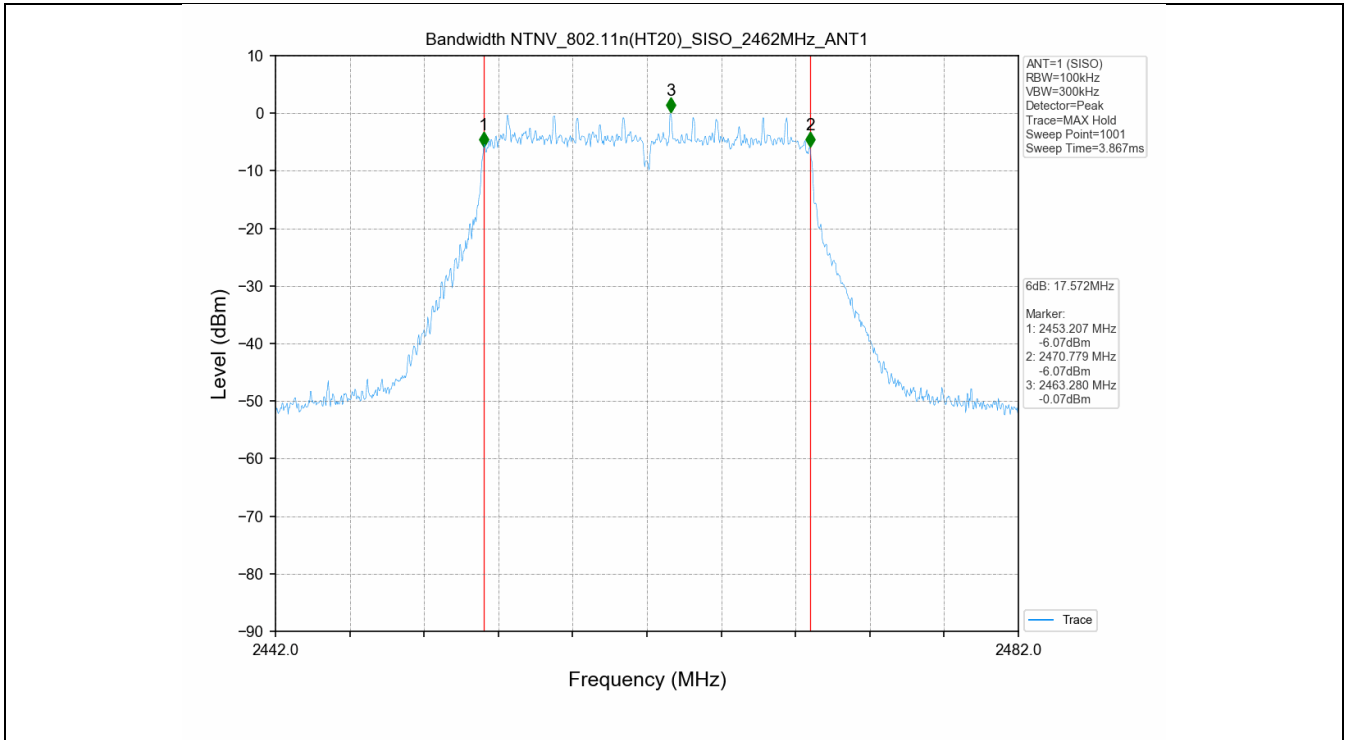
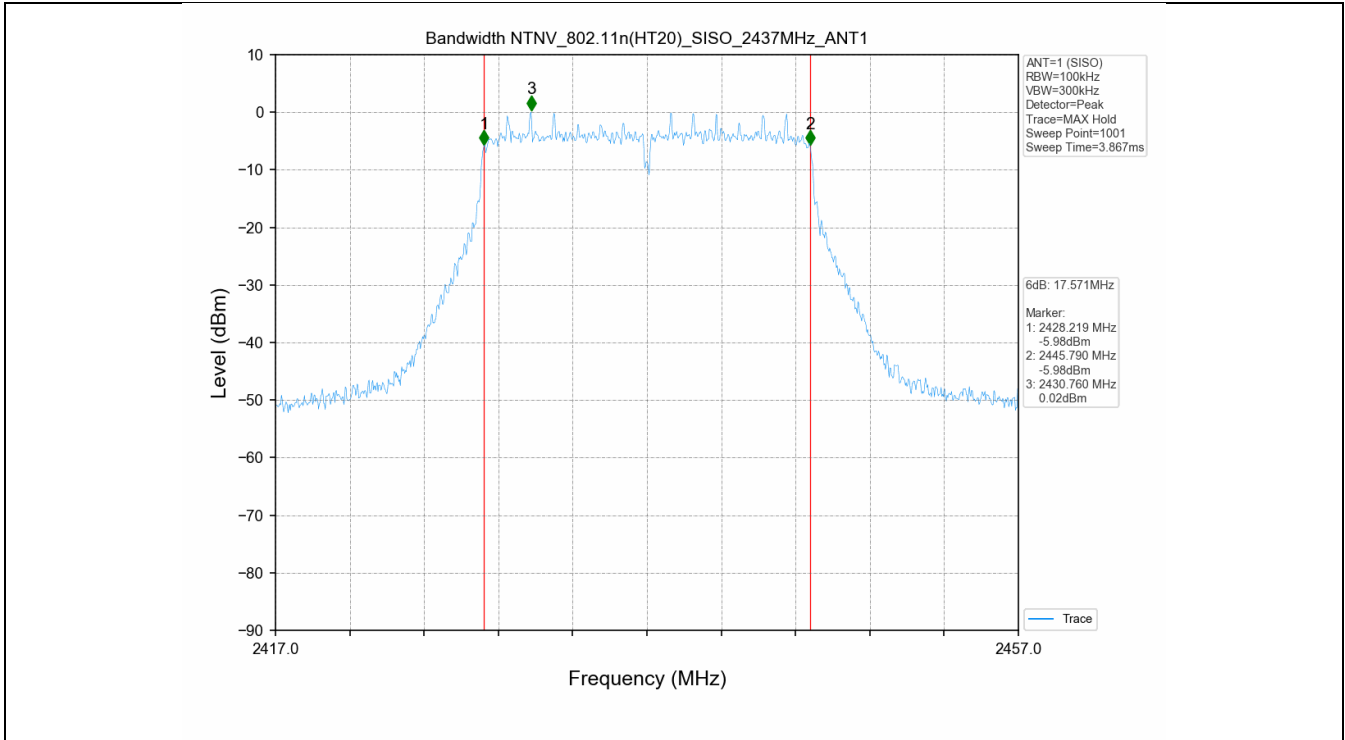
2.2 Test Graph - 6dB Bandwidth



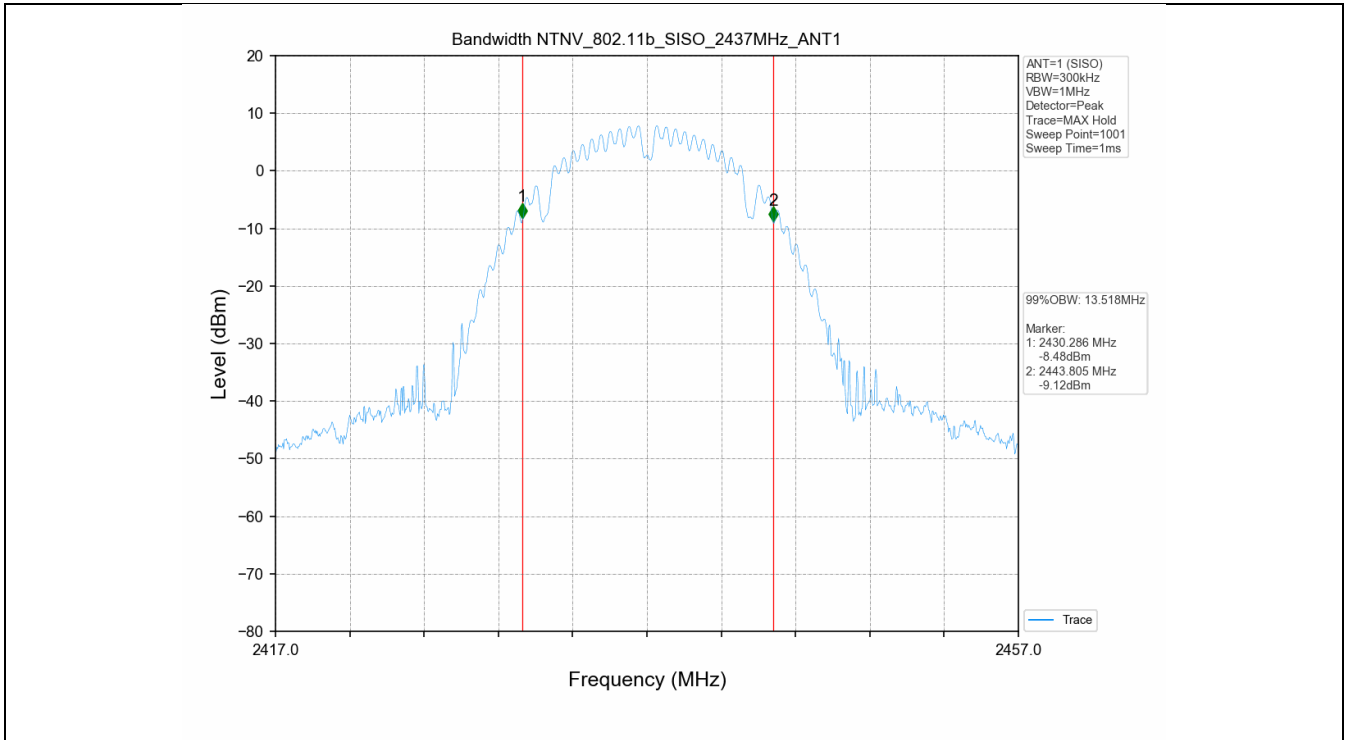
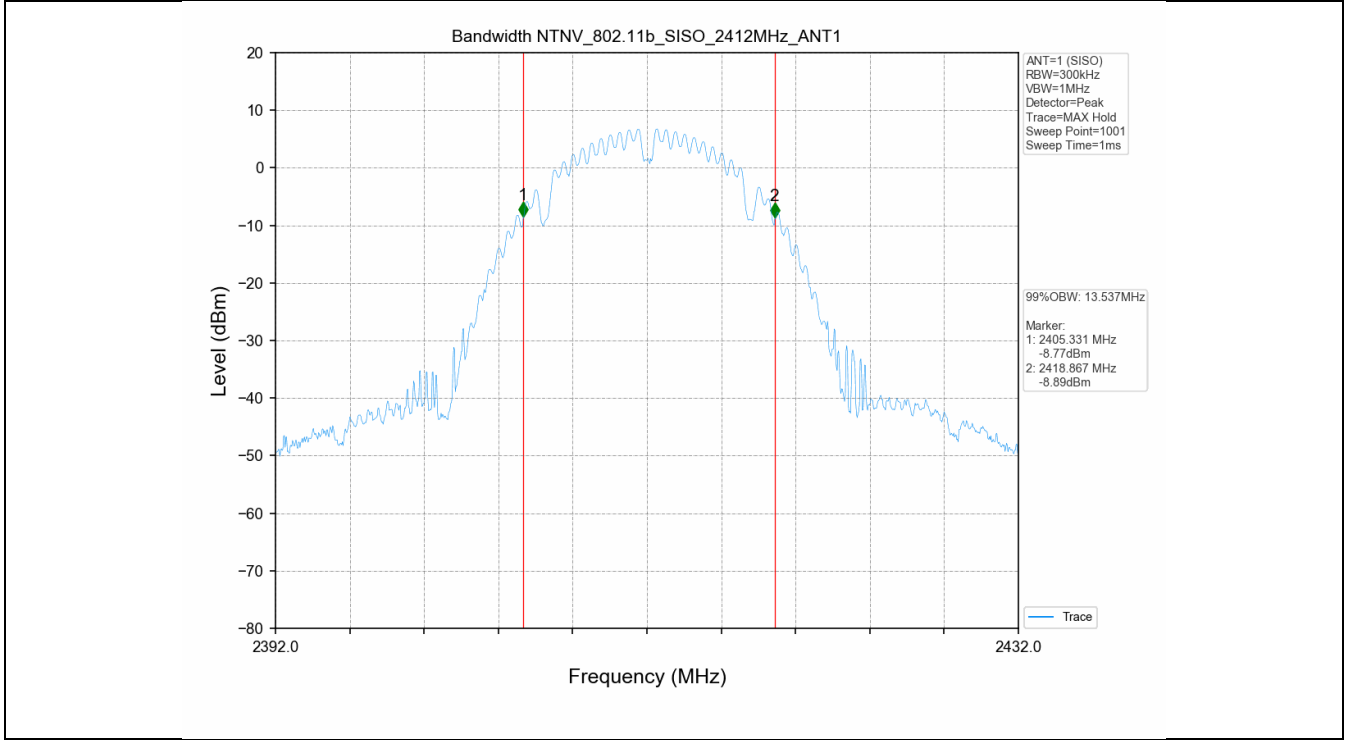


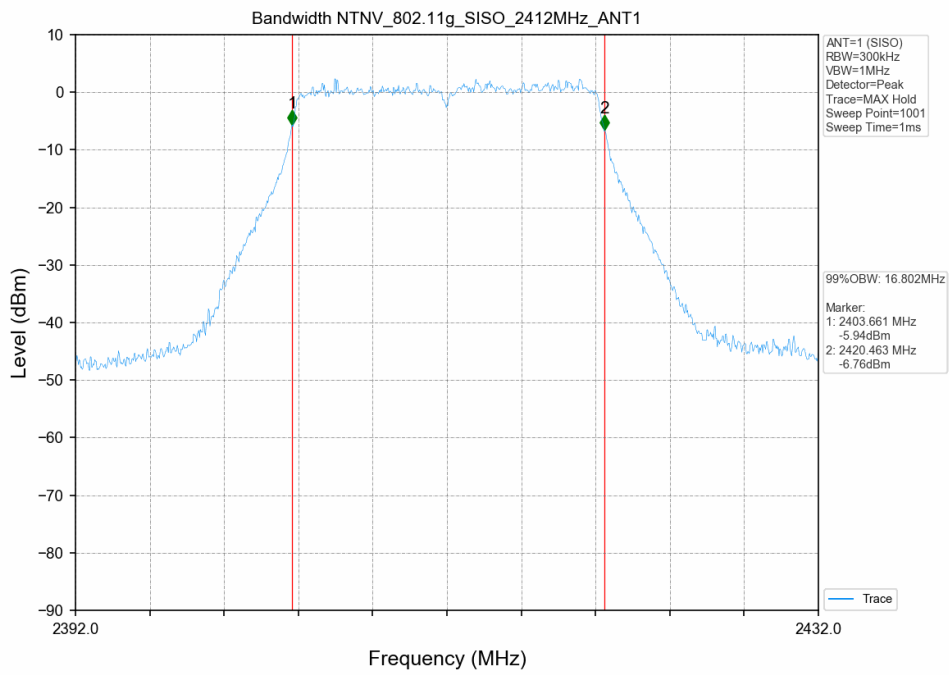
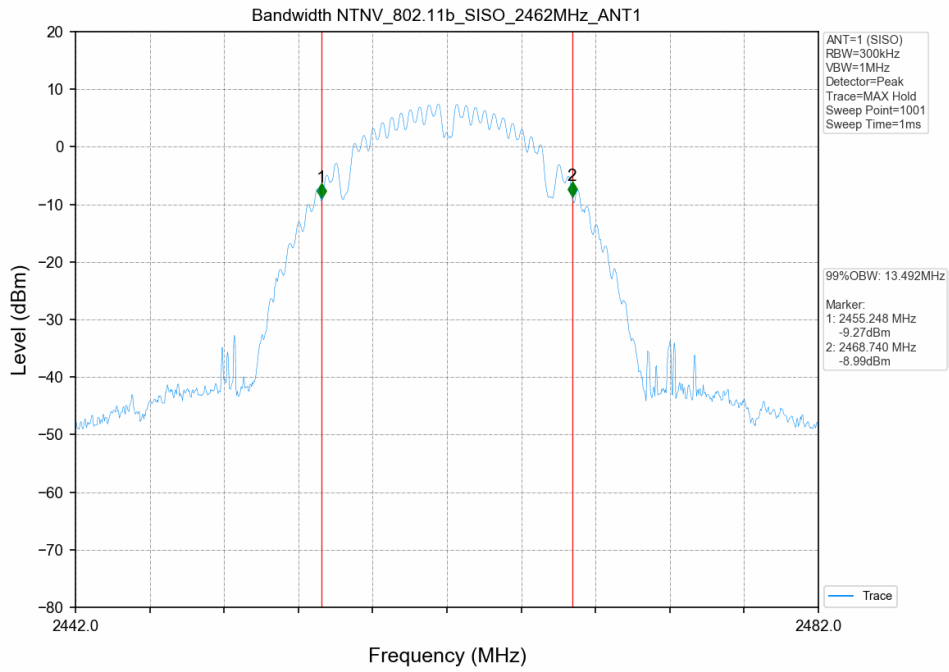


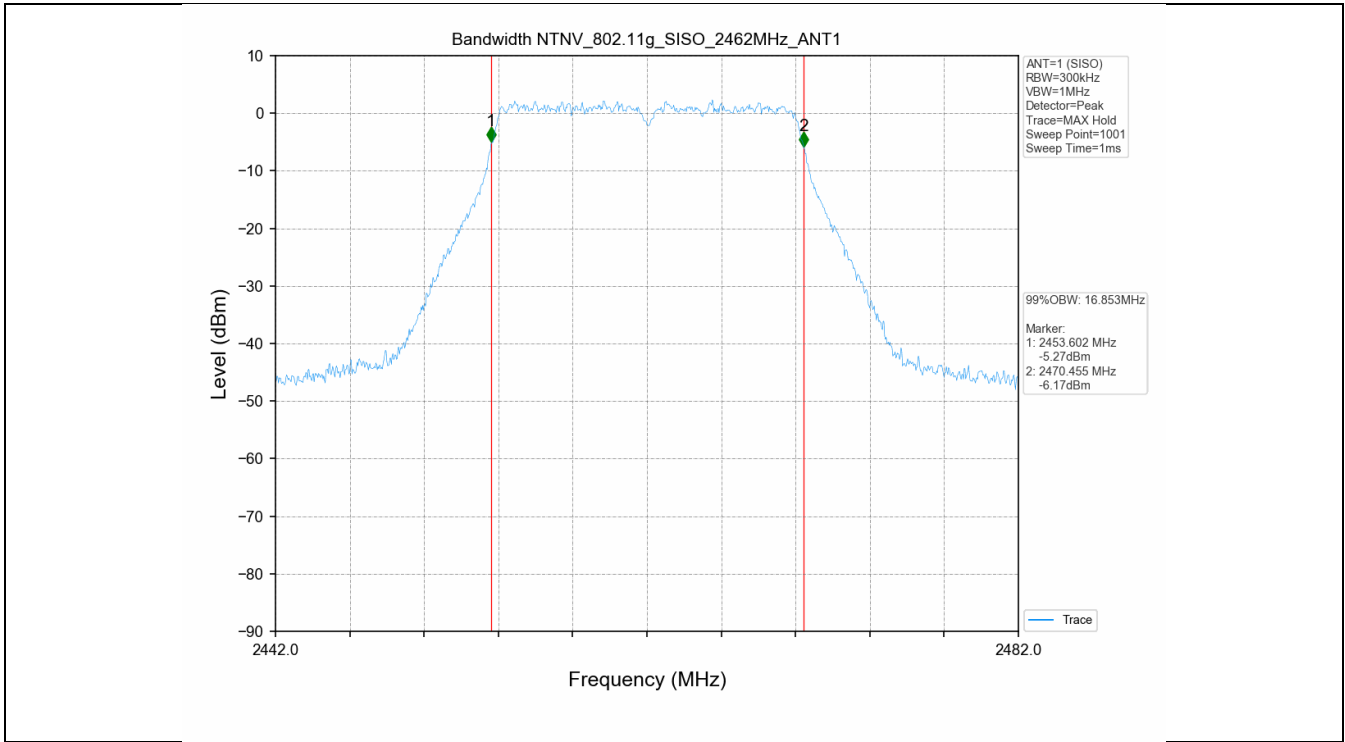
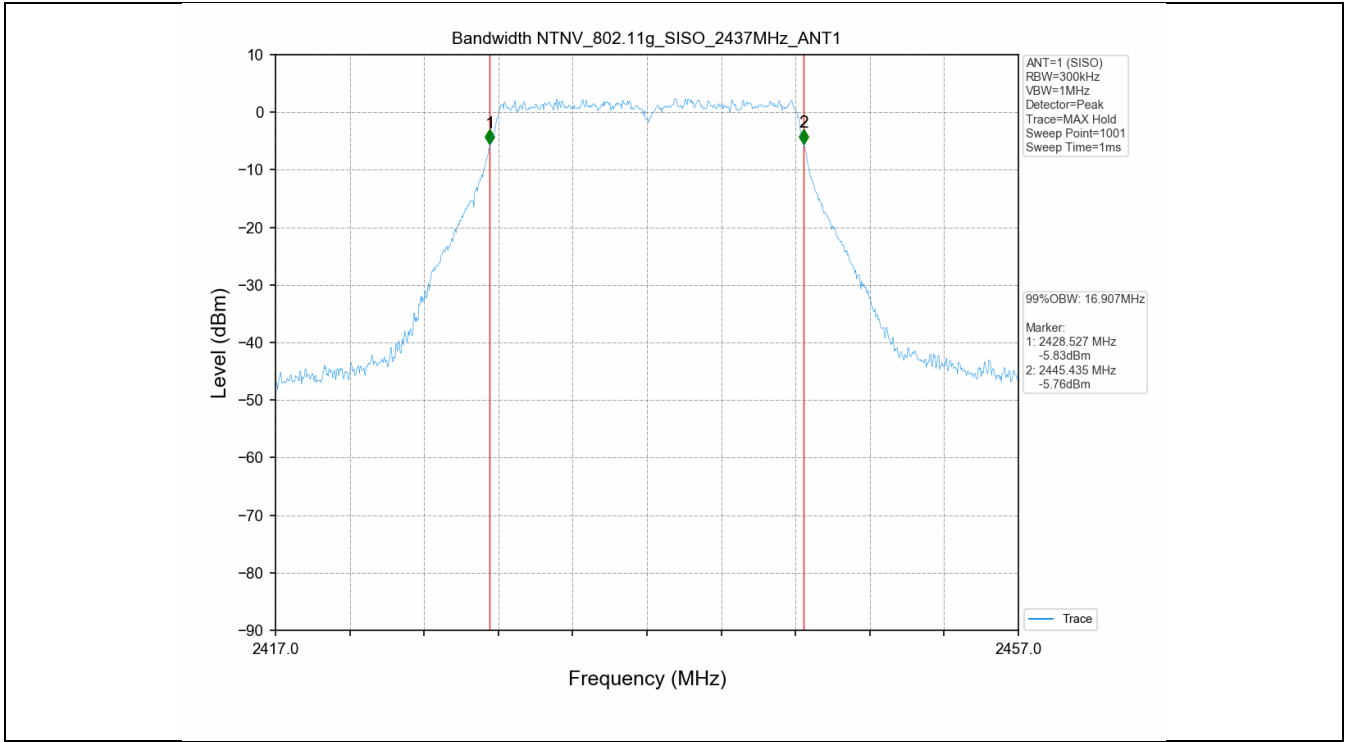


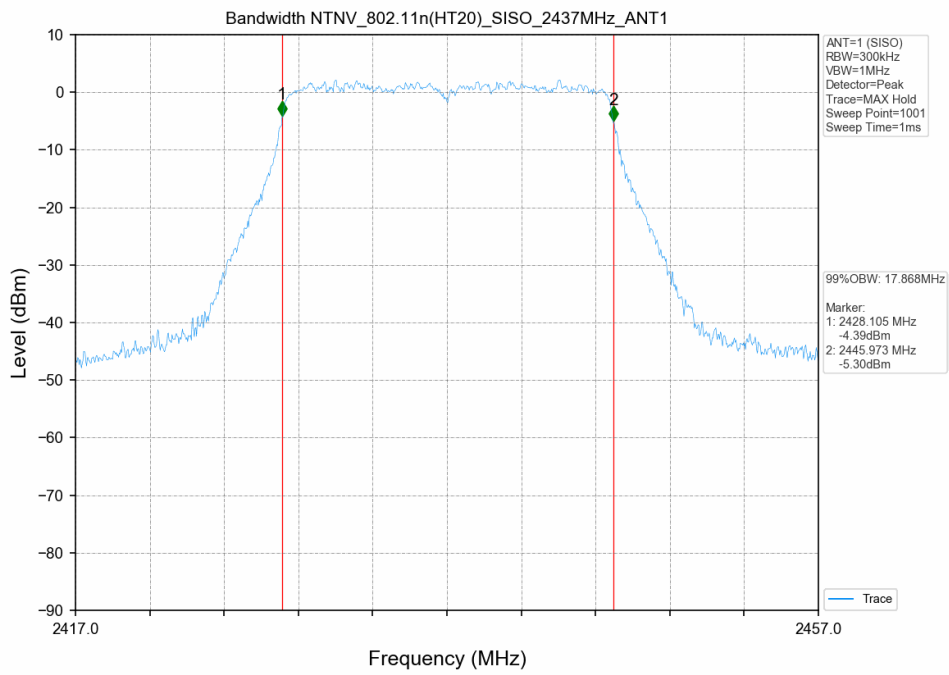
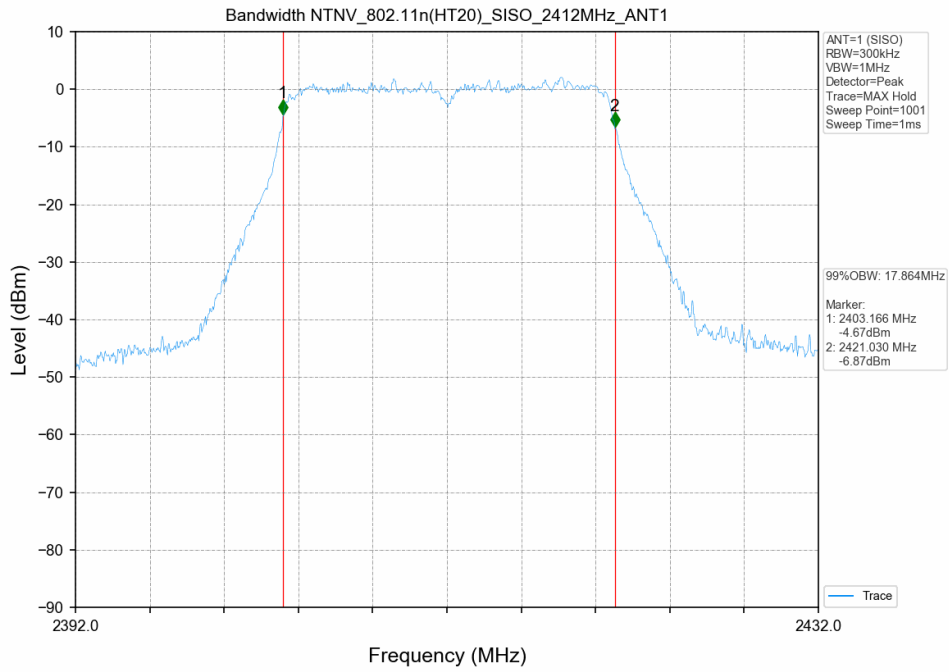


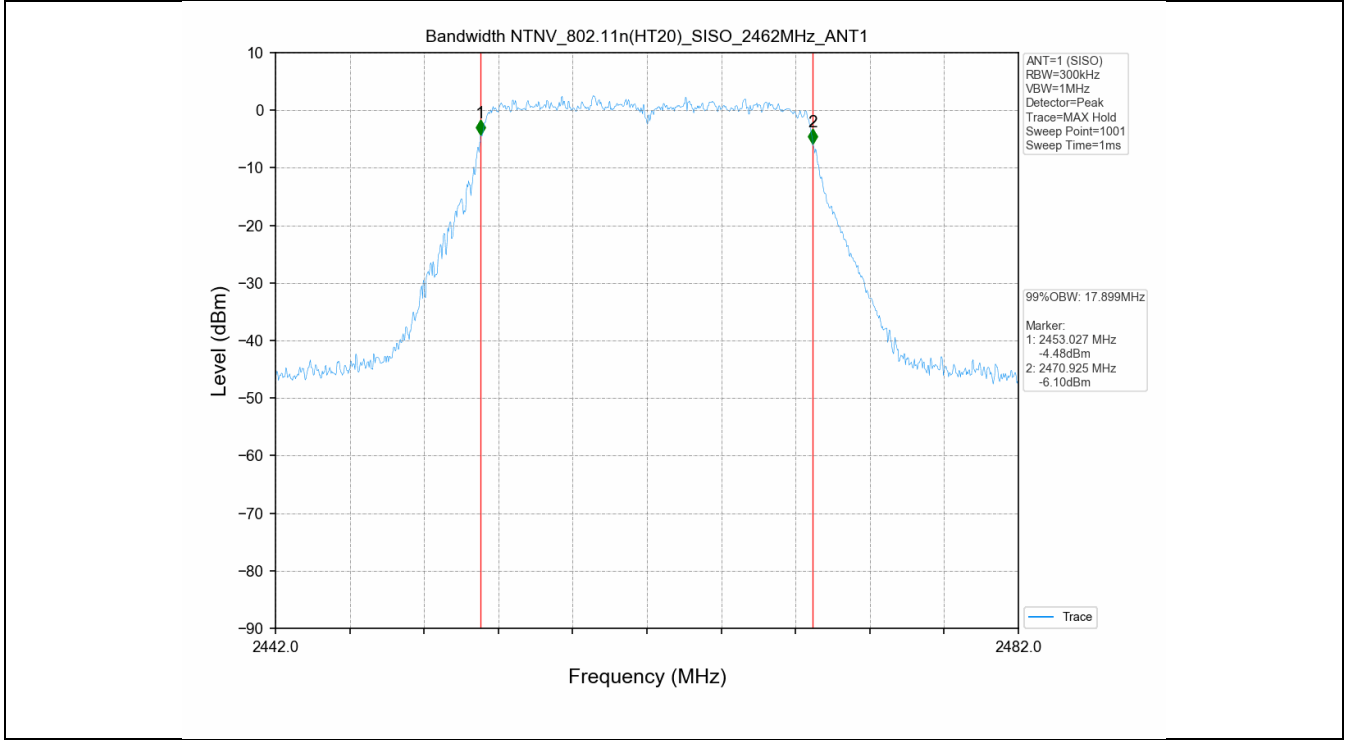
2.3 Test Graph - 99% Occupied Bandwidth









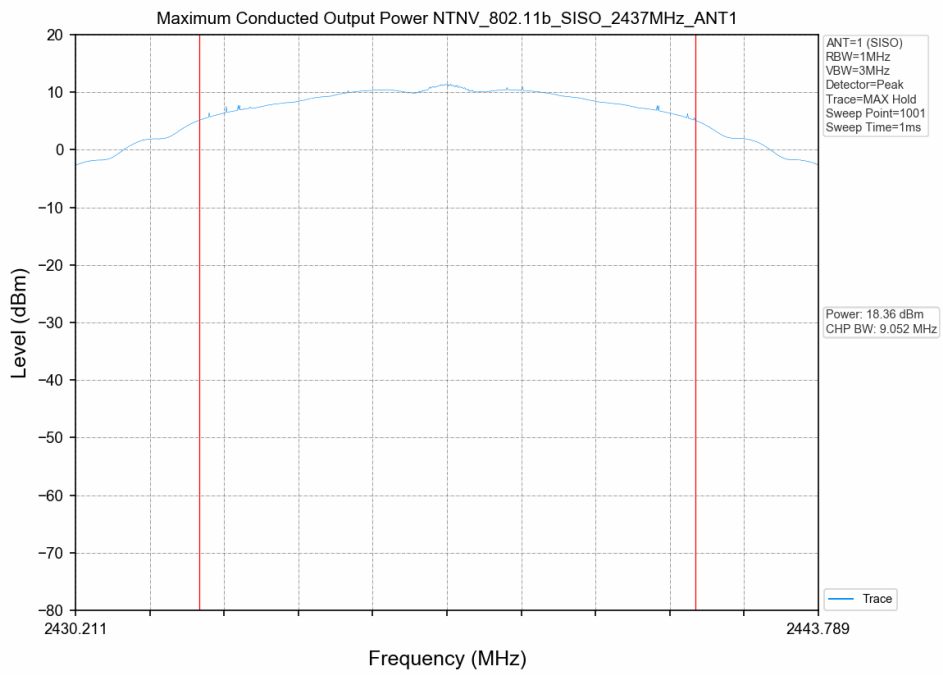
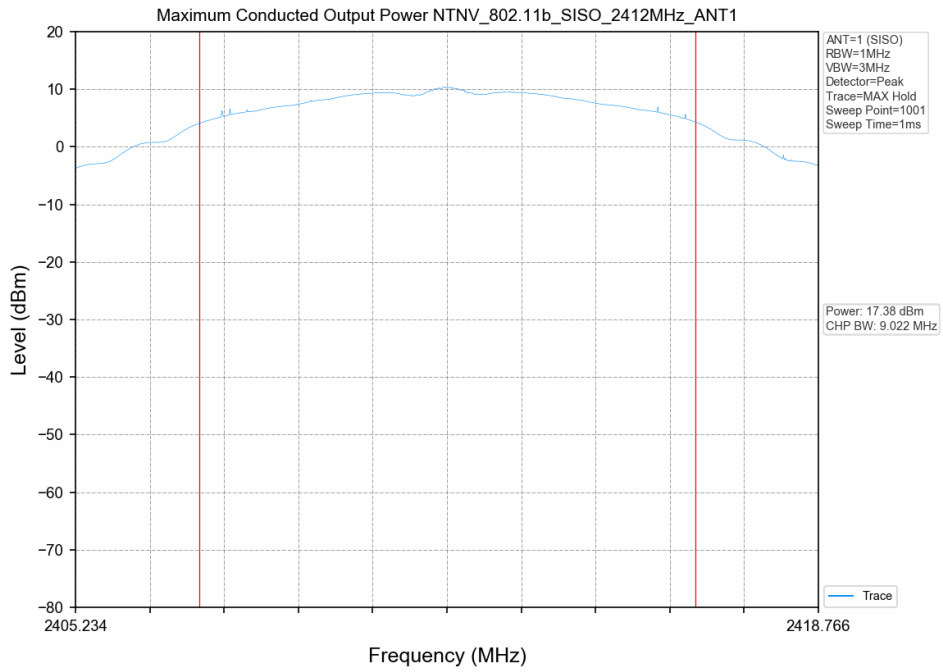


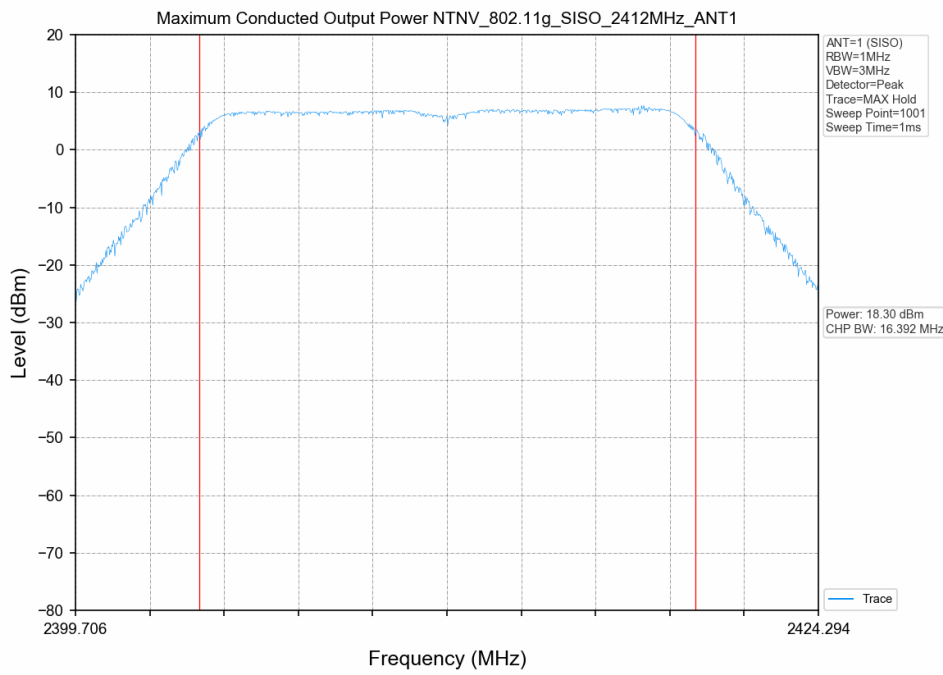
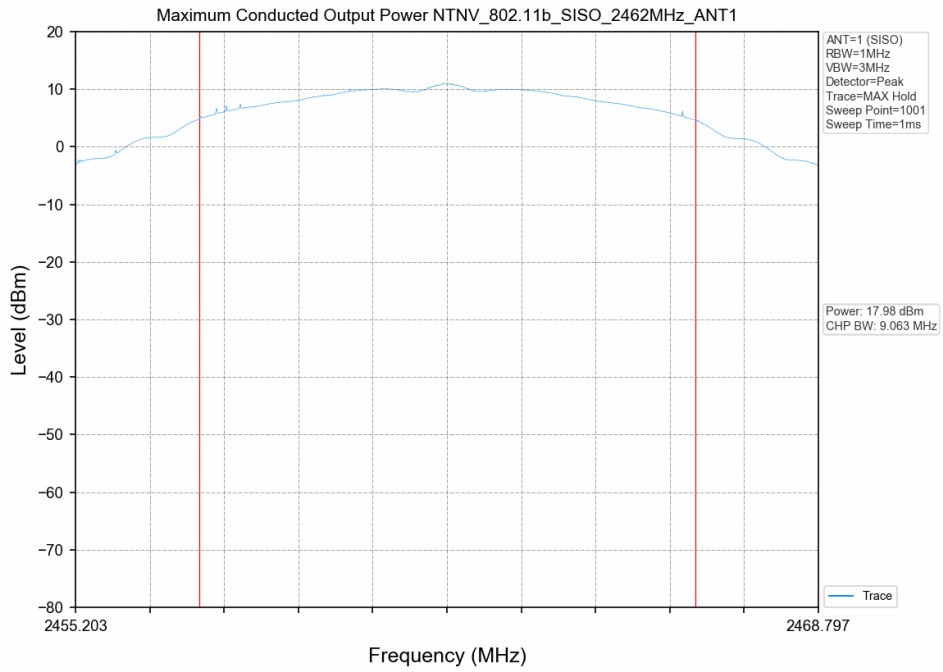
3. Maximum Conducted Output Power

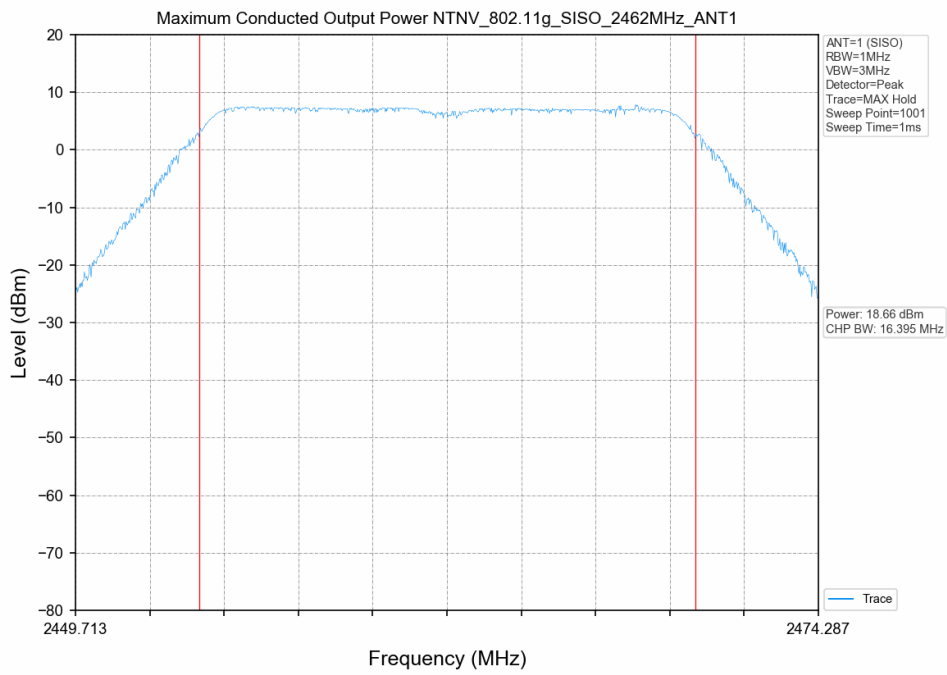
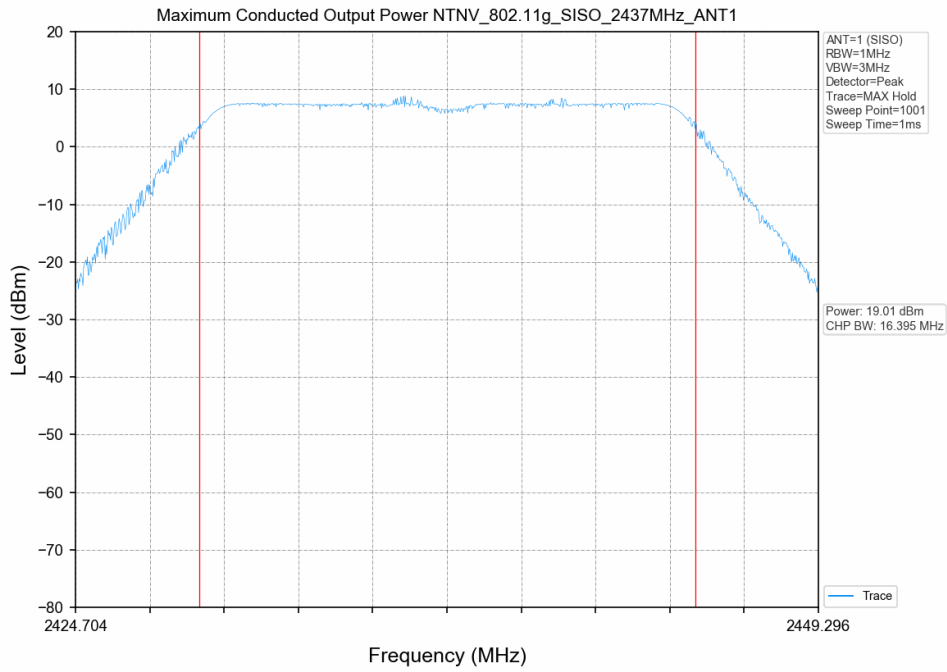
3.1 Test Result

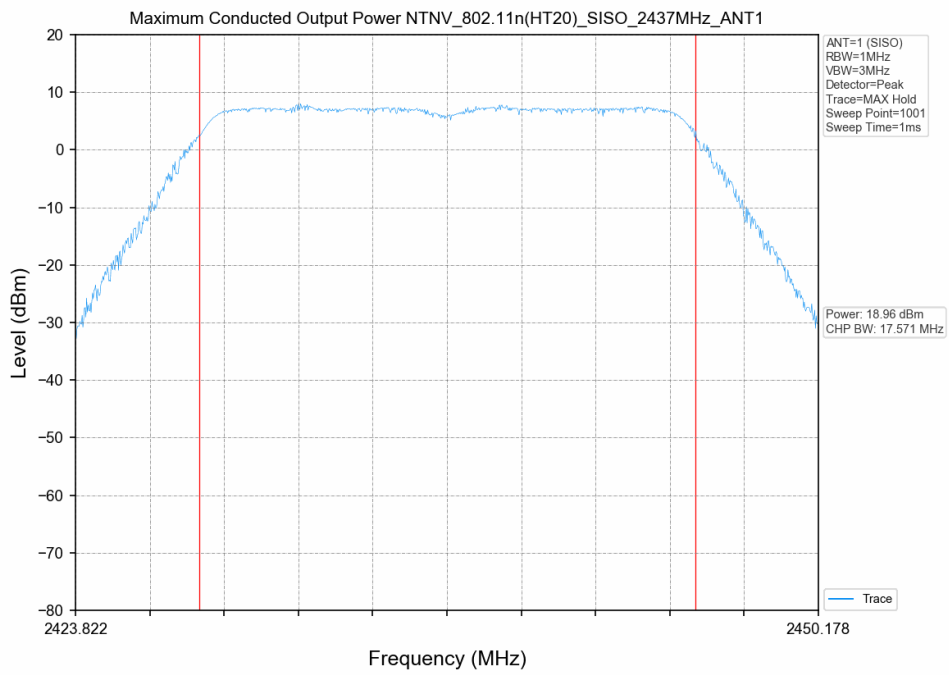
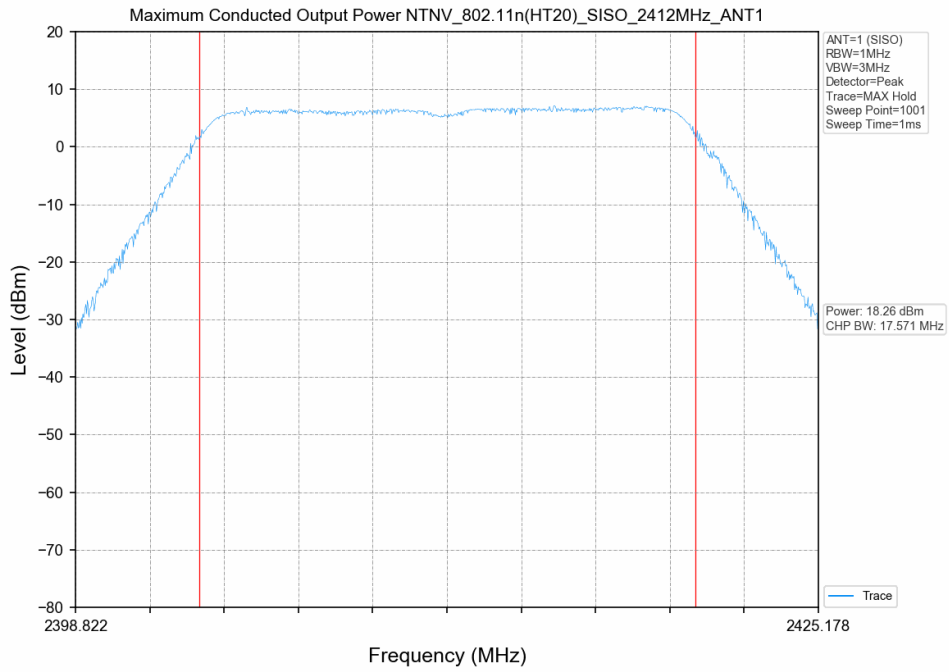
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	17.38	30	PASS
	2437	SISO	18.36	30	PASS
	2462	SISO	17.98	30	PASS
802.11g	2412	SISO	18.30	30	PASS
	2437	SISO	19.01	30	PASS
	2462	SISO	18.66	30	PASS
802.11n(HT20)	2412	SISO	18.26	30	PASS
	2437	SISO	18.96	30	PASS
	2462	SISO	18.69	30	PASS

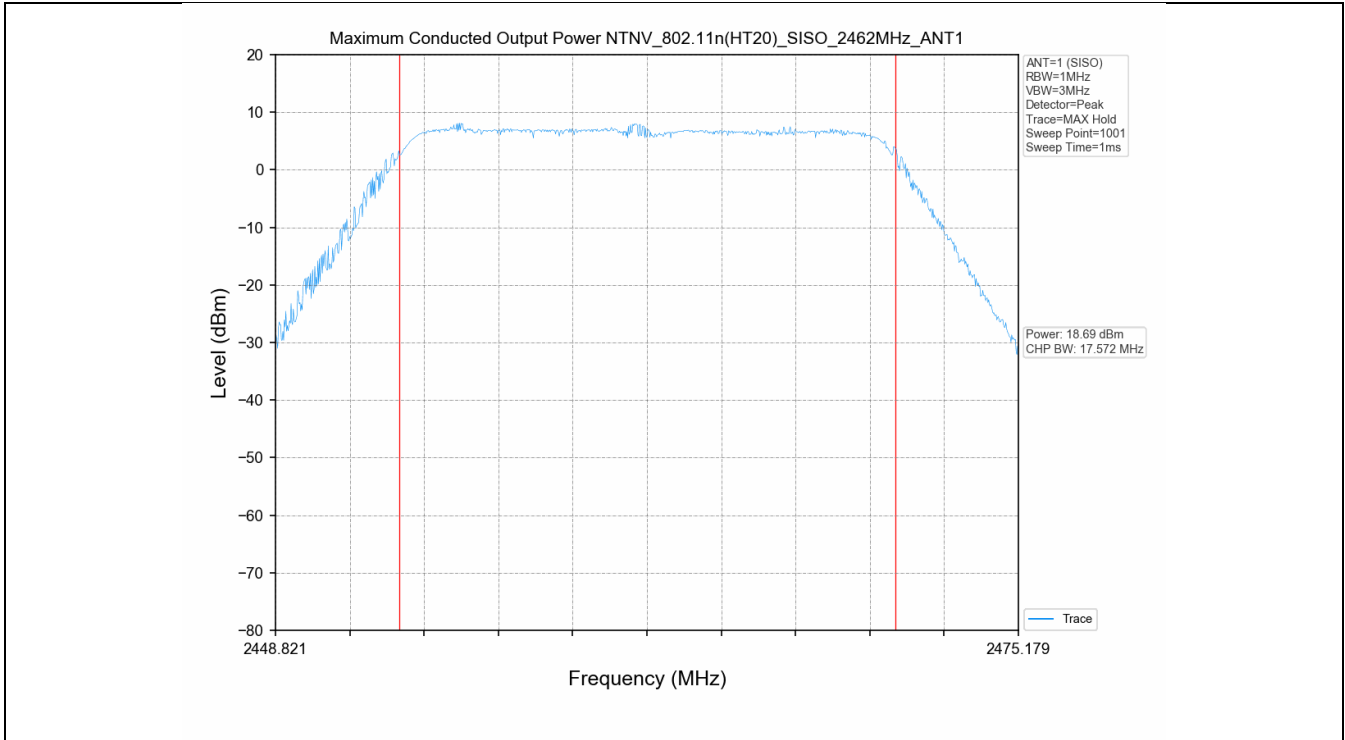
3.2 Test Graph









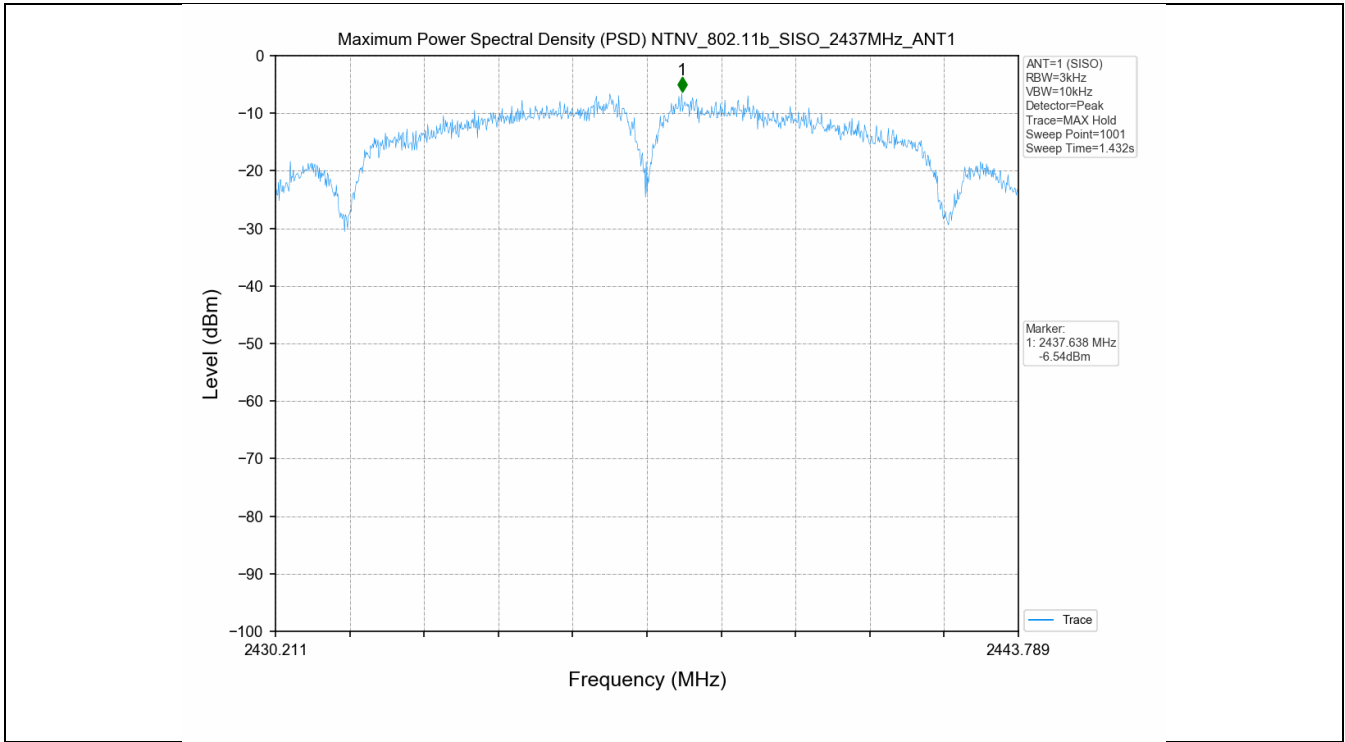
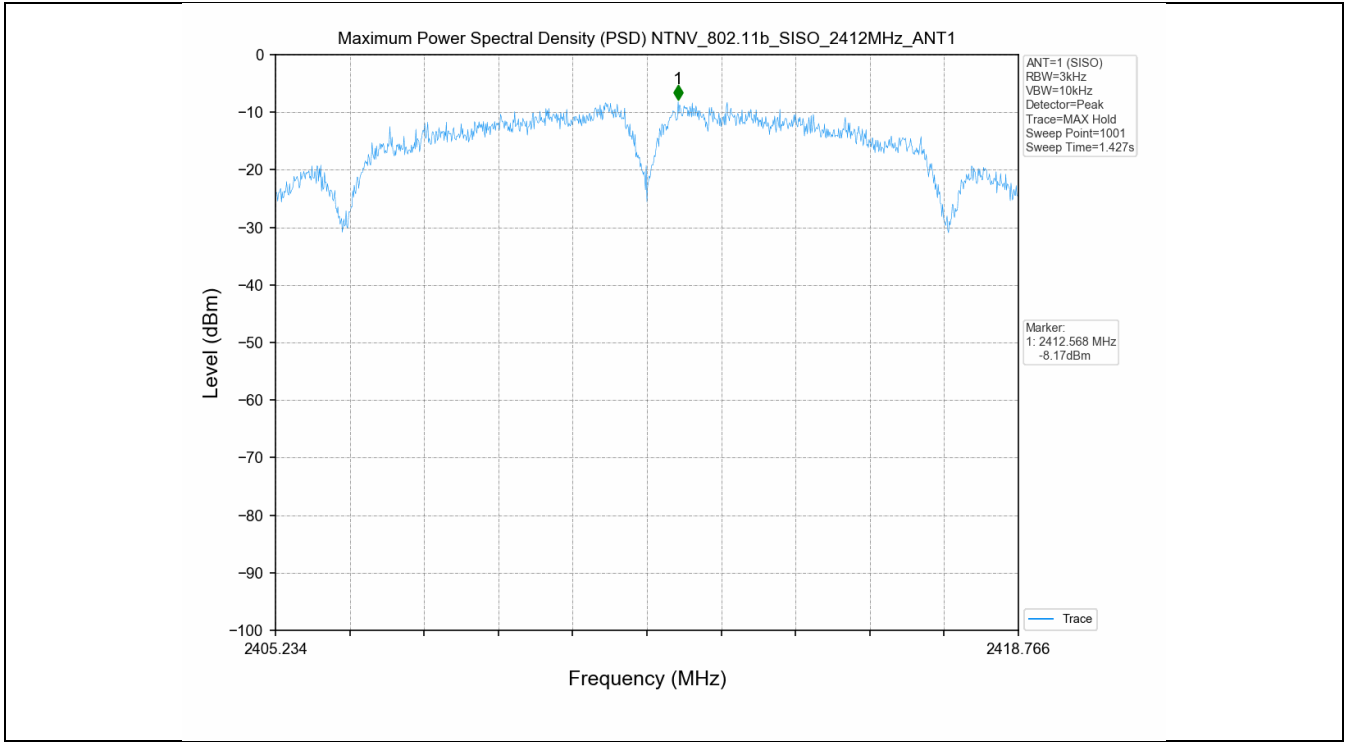


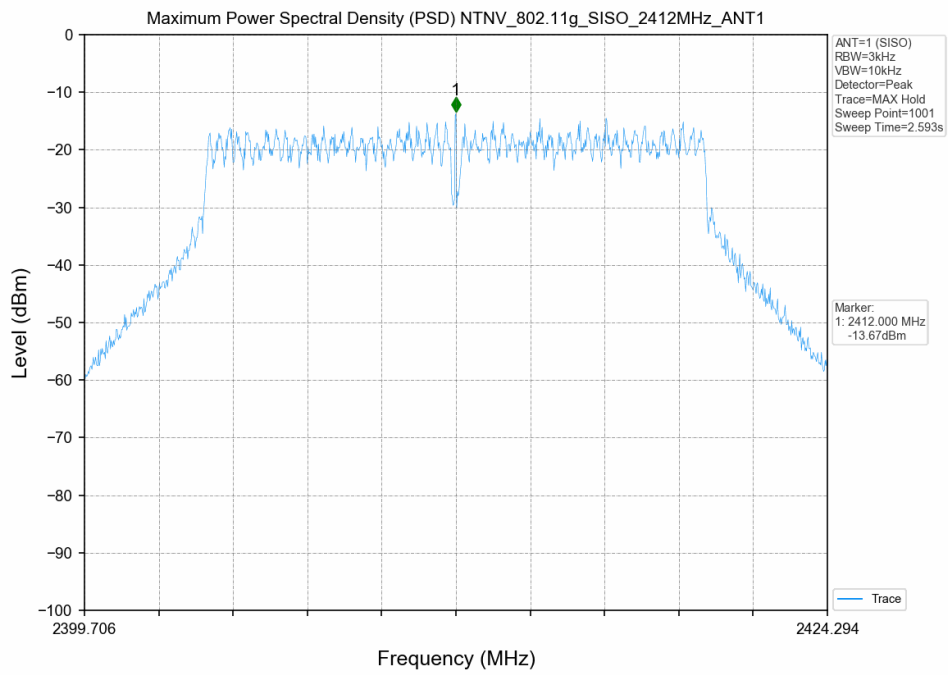
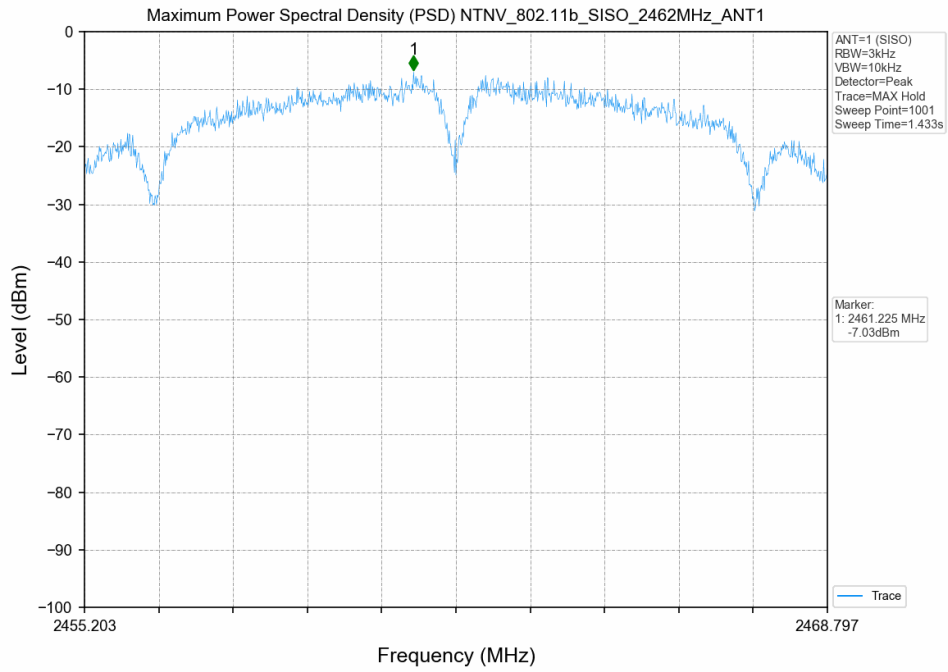
4. Maximum Power Spectral Density (PSD)

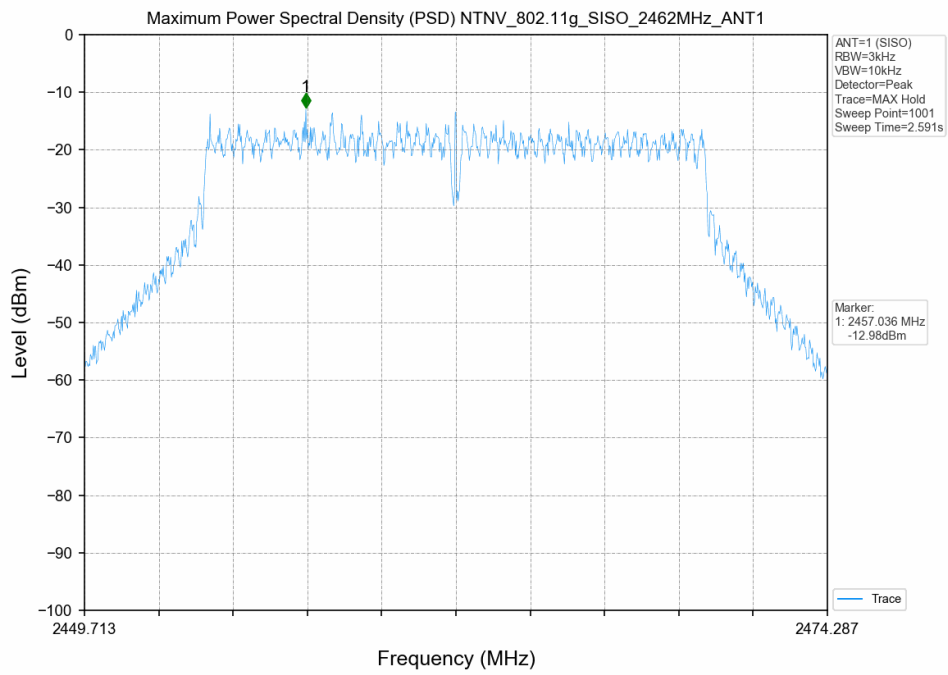
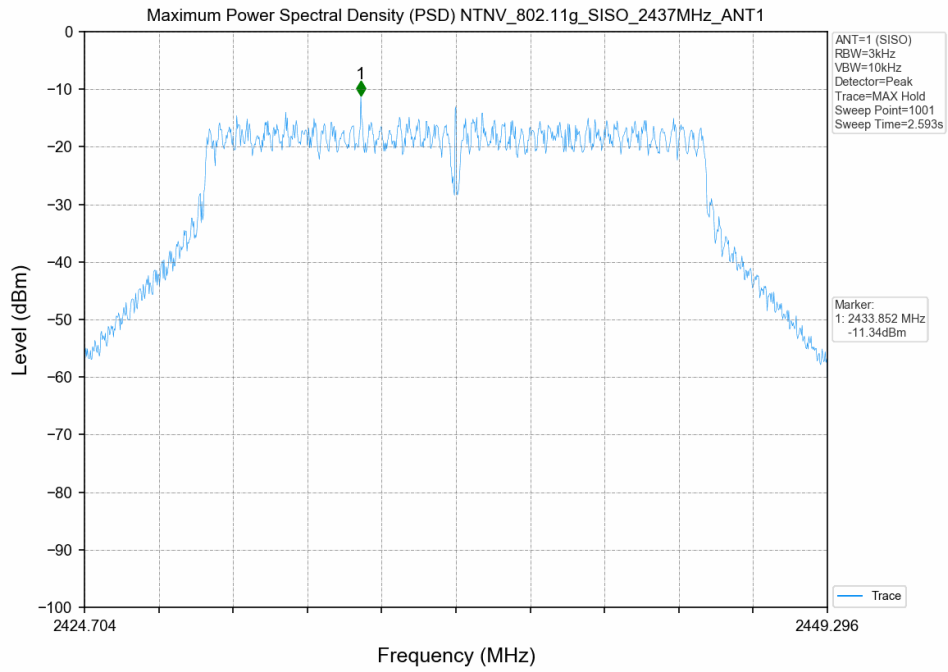
4.1 Test Result

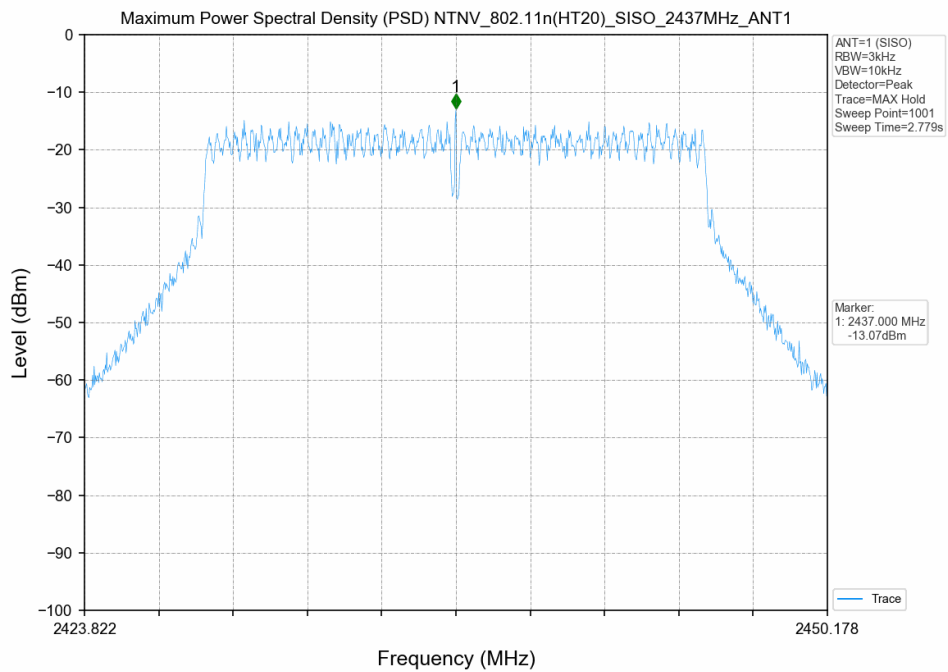
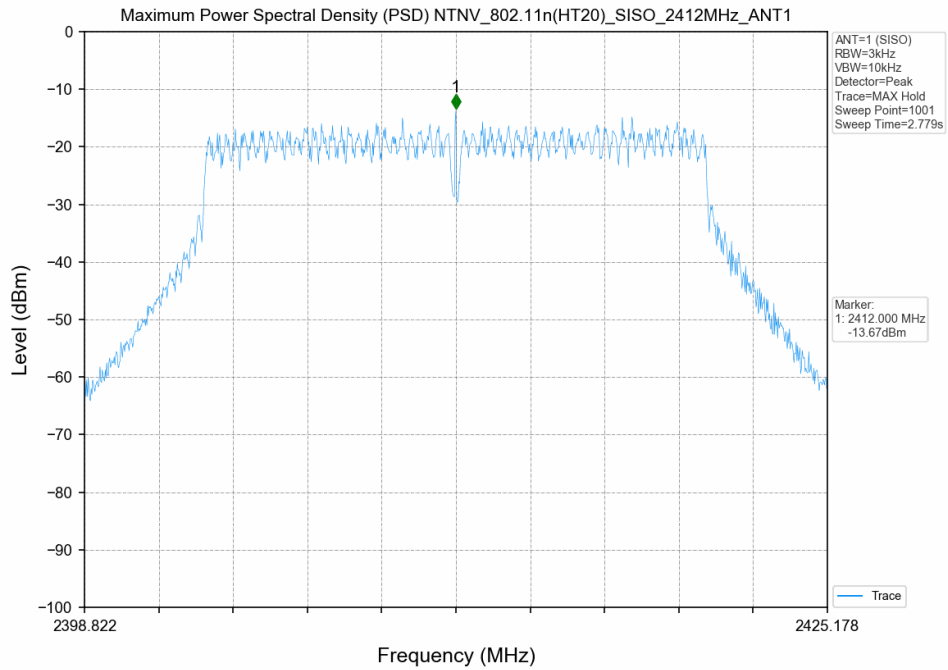
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kKHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-8.17	≤8	PASS
	2437	SISO	-6.54	≤8	PASS
	2462	SISO	-7.03	≤8	PASS
802.11g	2412	SISO	-13.67	≤8	PASS
	2437	SISO	-11.34	≤8	PASS
	2462	SISO	-12.98	≤8	PASS
802.11n(HT20)	2412	SISO	-13.67	≤8	PASS
	2437	SISO	-13.07	≤8	PASS
	2462	SISO	-13.39	≤8	PASS

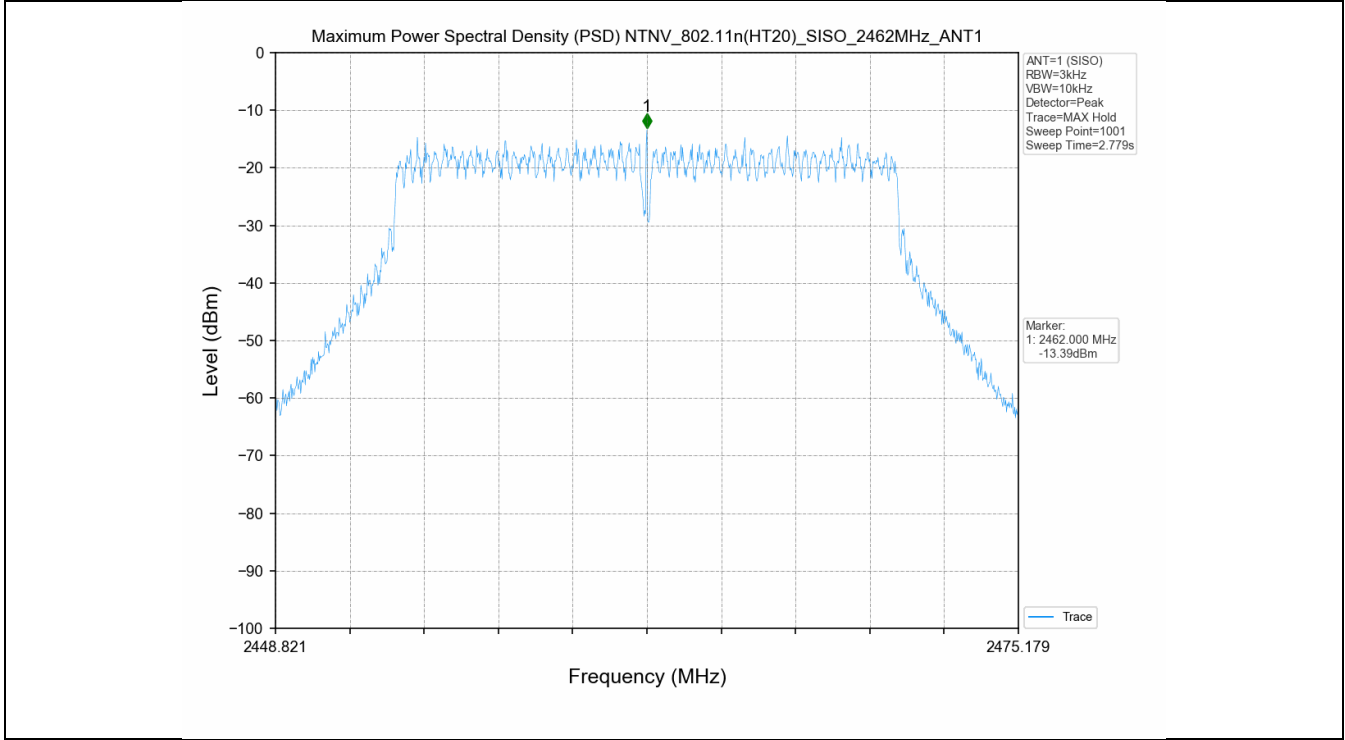
4.2 Test Graph









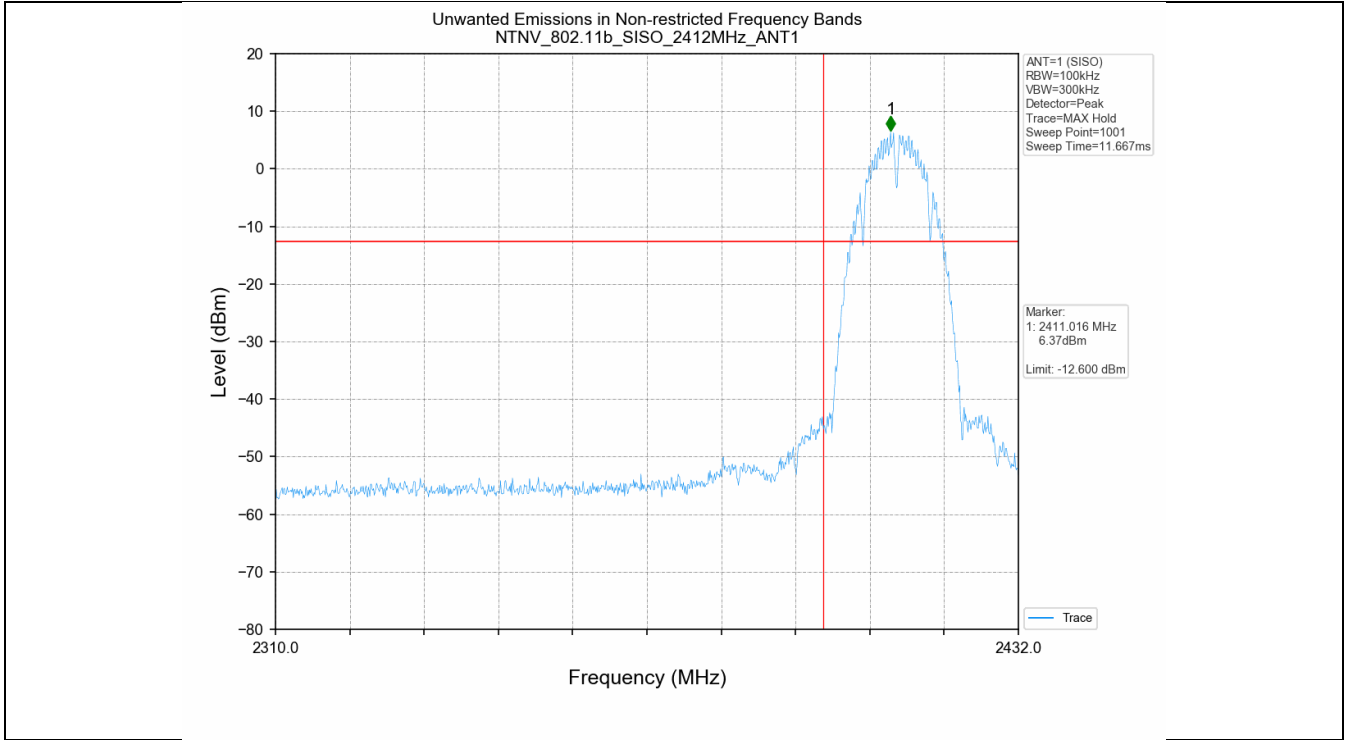
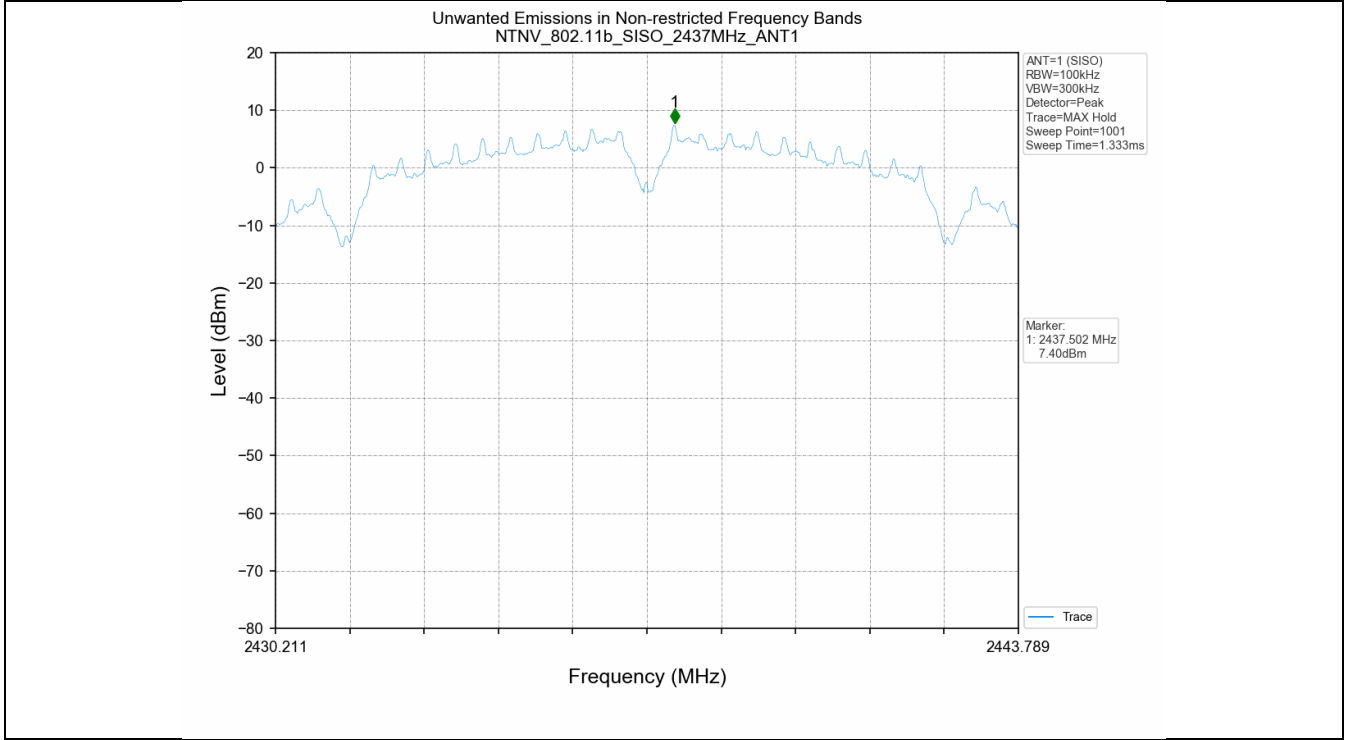


5. Unwanted Emissions in Non-restricted Frequency Bands

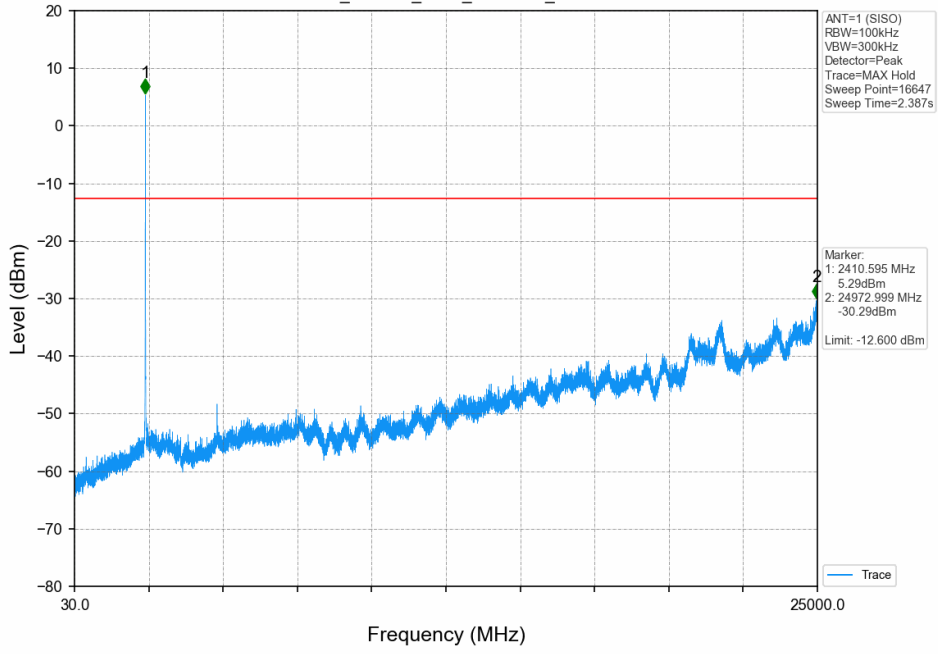
5.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-12.60	PASS
	2437	SISO	1	Refer to test graph	-12.60	PASS
	2462	SISO	1	Refer to test graph	-12.60	PASS
802.11g	2412	SISO	1	Refer to test graph	-19.88	PASS
	2437	SISO	1	Refer to test graph	-19.88	PASS
	2462	SISO	1	Refer to test graph	-19.88	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-19.82	PASS
	2437	SISO	1	Refer to test graph	-19.82	PASS
	2462	SISO	1	Refer to test graph	-19.82	PASS

5.2 Test Graph



Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2412MHz_ANT1



Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2437MHz_ANT1

