

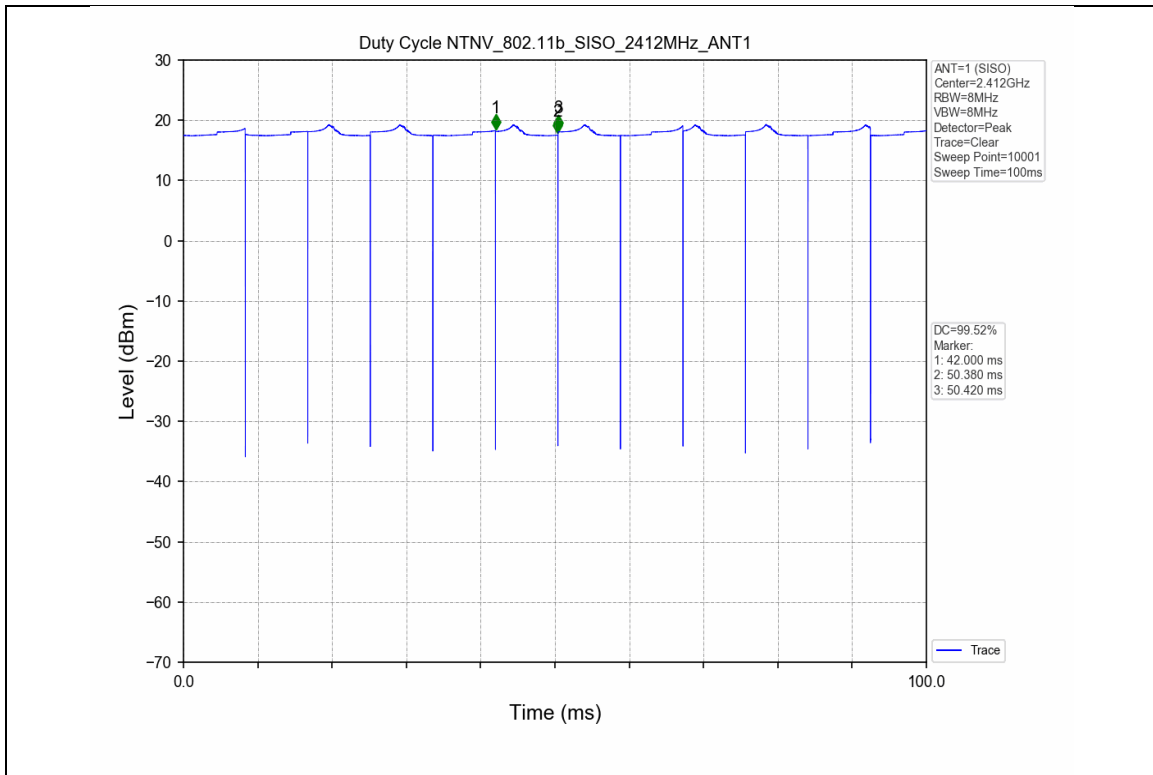
Appendix A for SHEM201201021101

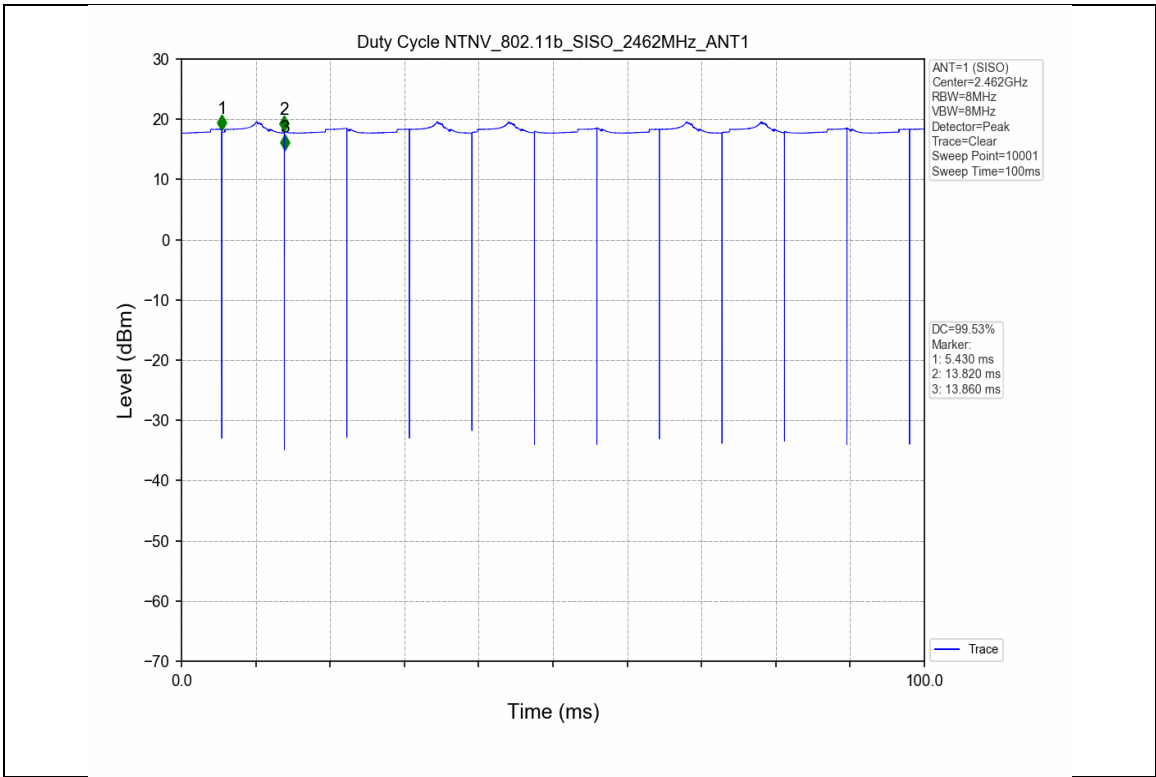
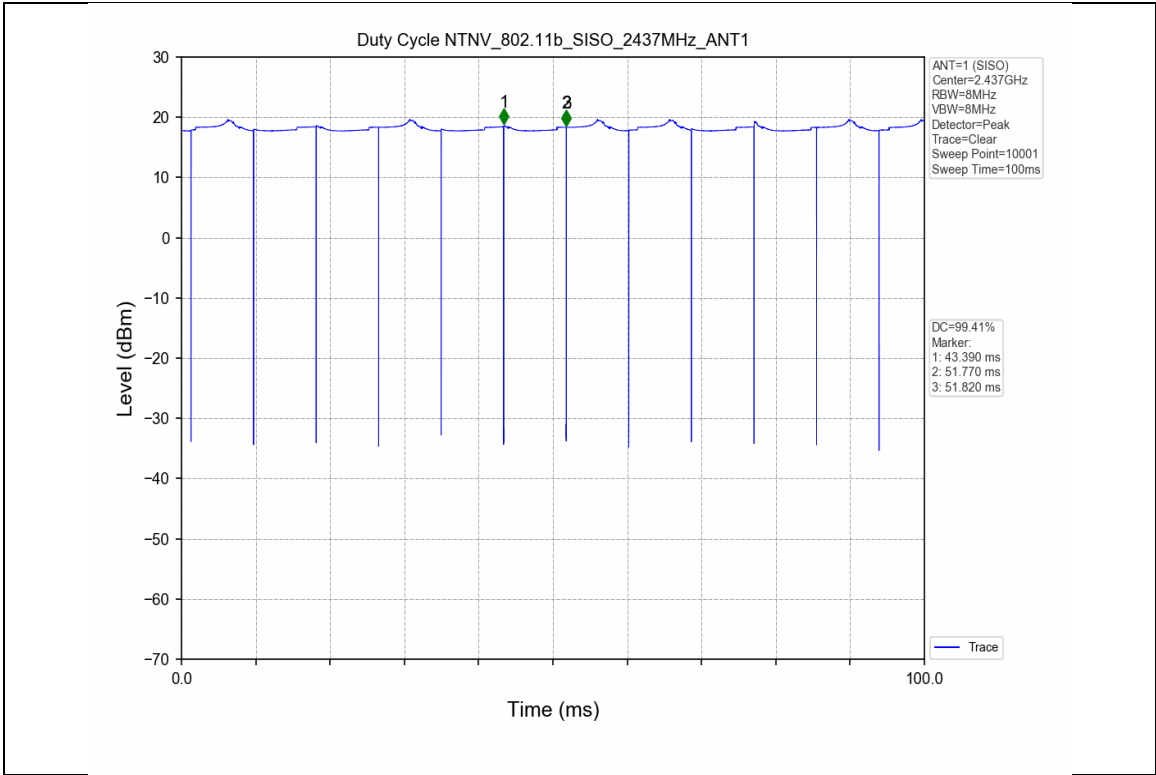
1. Duty Cycle

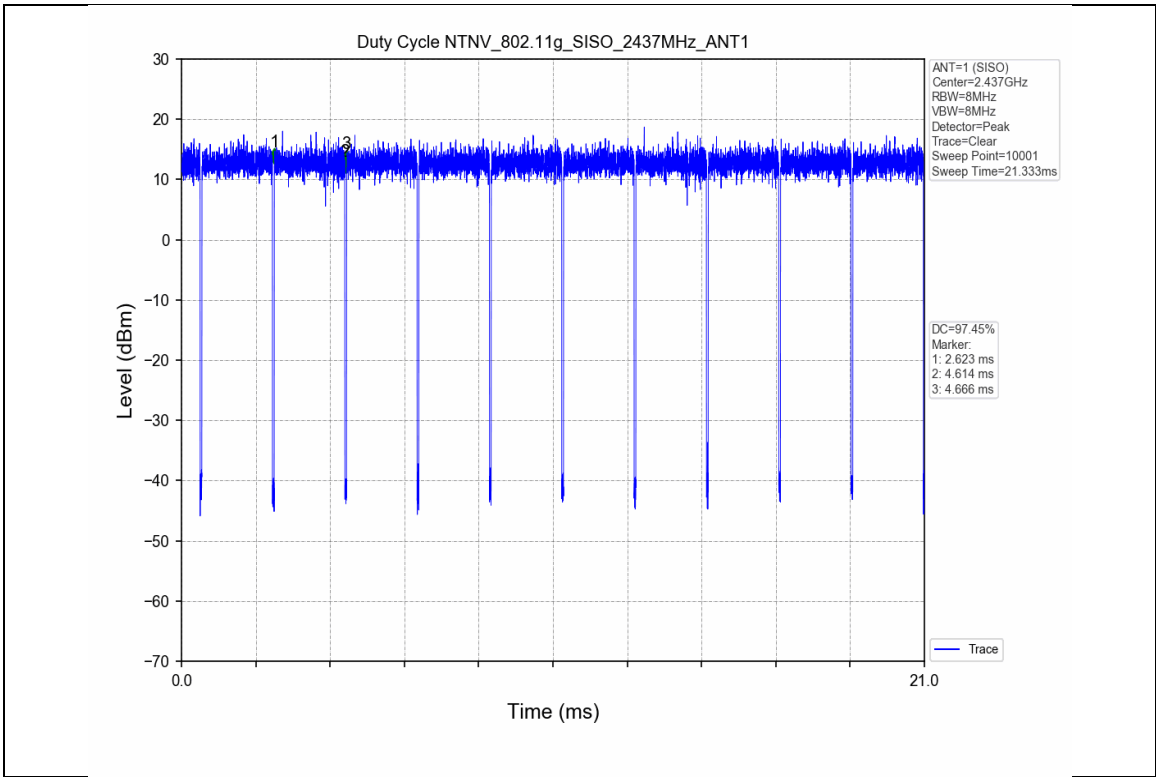
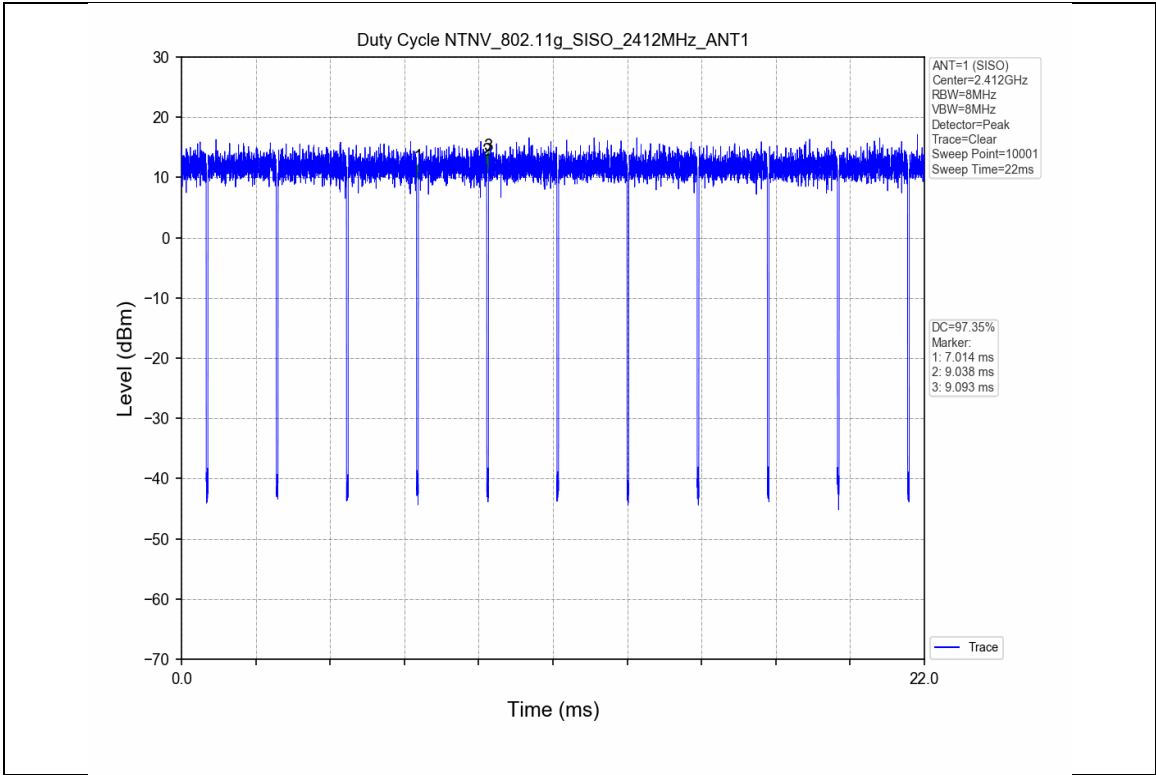
1.1 Test Result

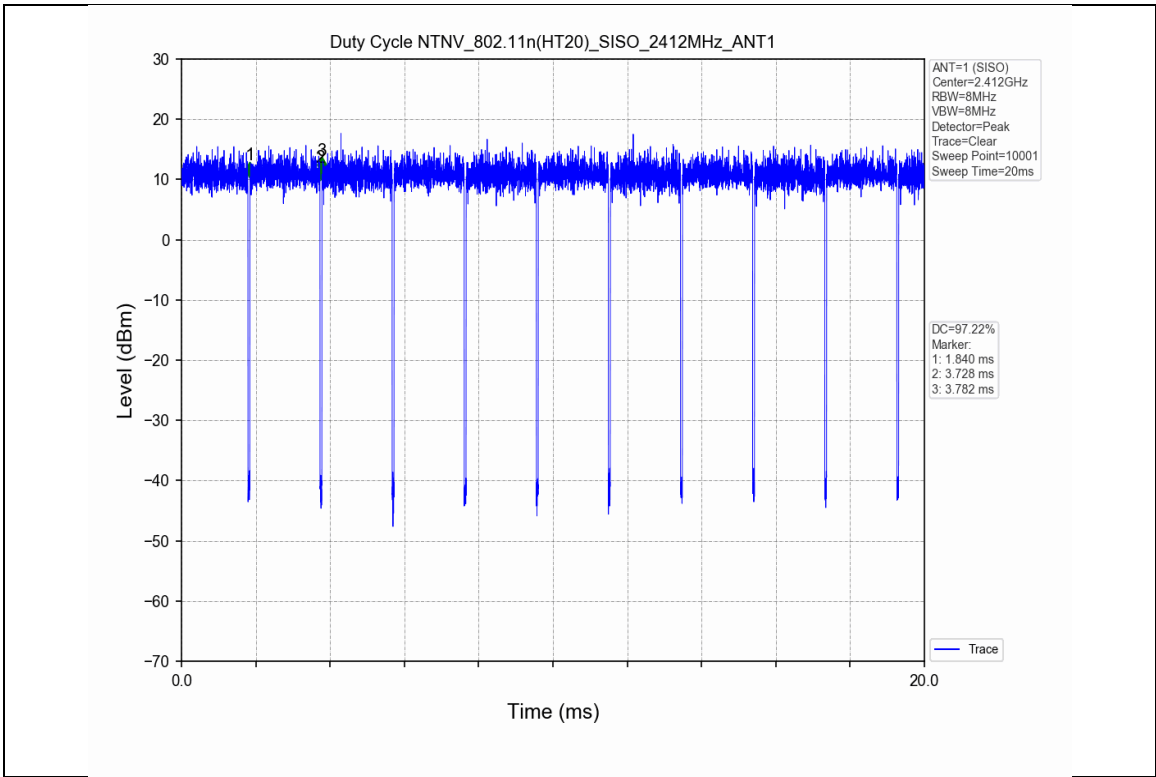
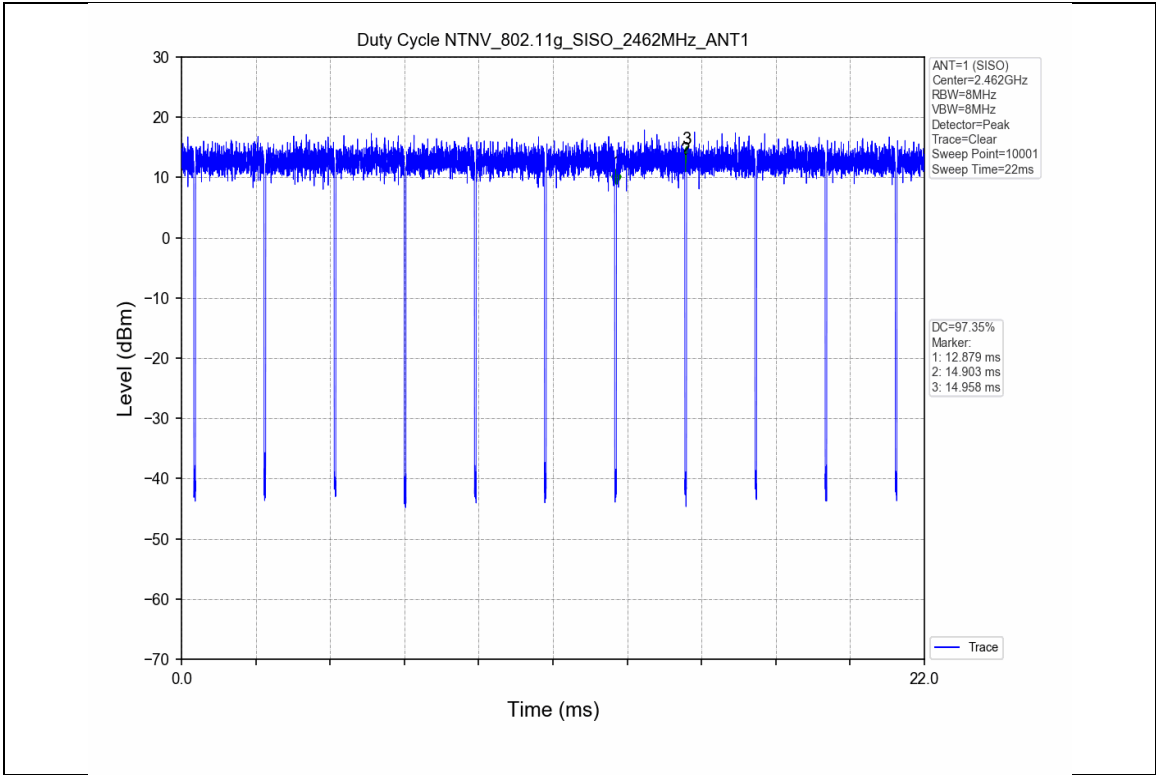
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	8.380	8.420	99.52	0.02
	2437	SISO	1	8.380	8.430	99.41	0.03
	2462	SISO	1	8.390	8.430	99.53	0.02
802.11g	2412	SISO	1	2.024	2.079	97.35	0.12
	2437	SISO	1	1.991	2.043	97.45	0.11
	2462	SISO	1	2.024	2.079	97.35	0.12
802.11n(HT20)	2412	SISO	1	1.888	1.942	97.22	0.12
	2437	SISO	1	1.888	1.942	97.22	0.12
	2462	SISO	1	1.886	1.940	97.22	0.12

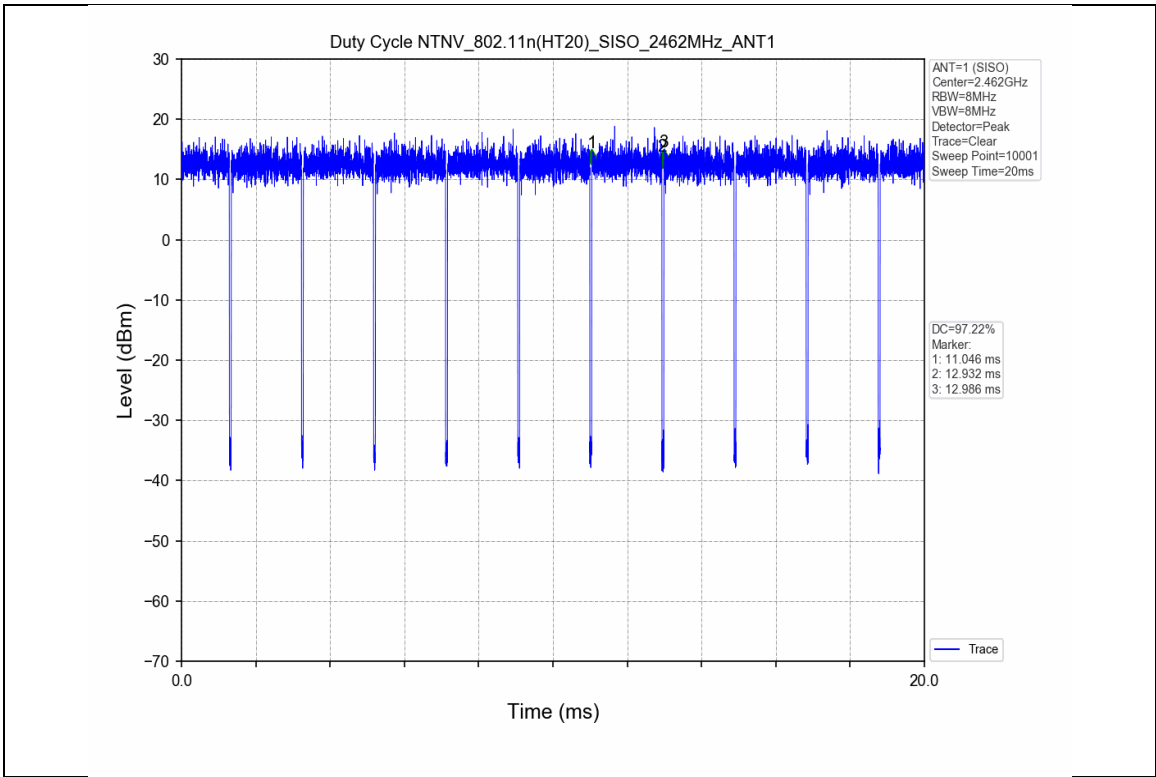
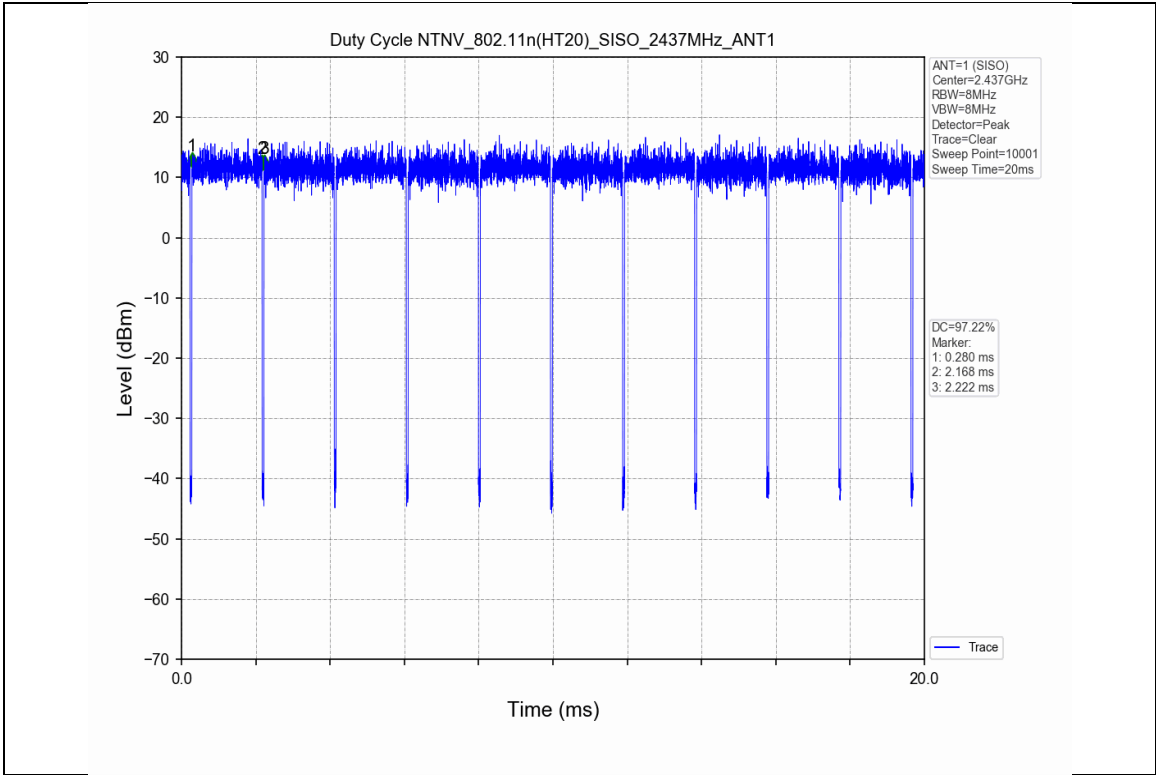
1.2 Test Graph











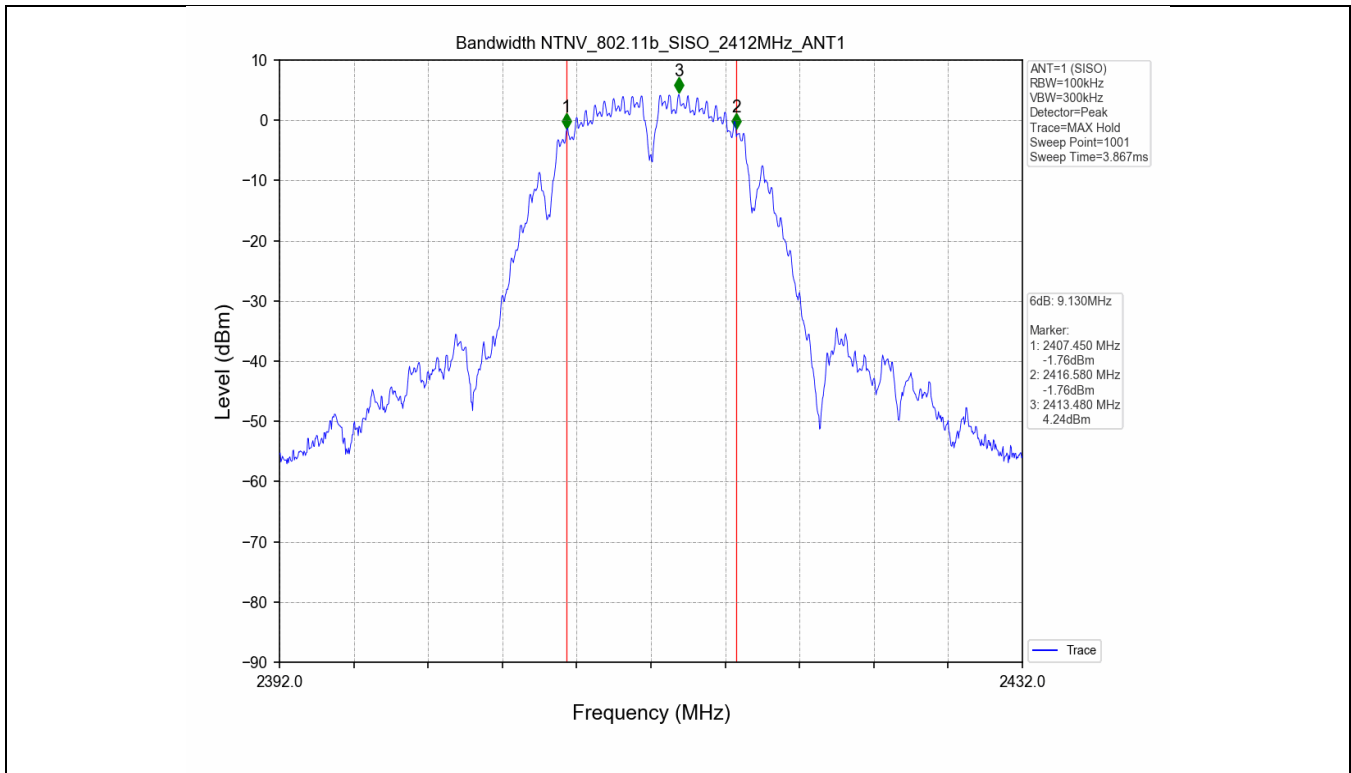
2. Bandwidth

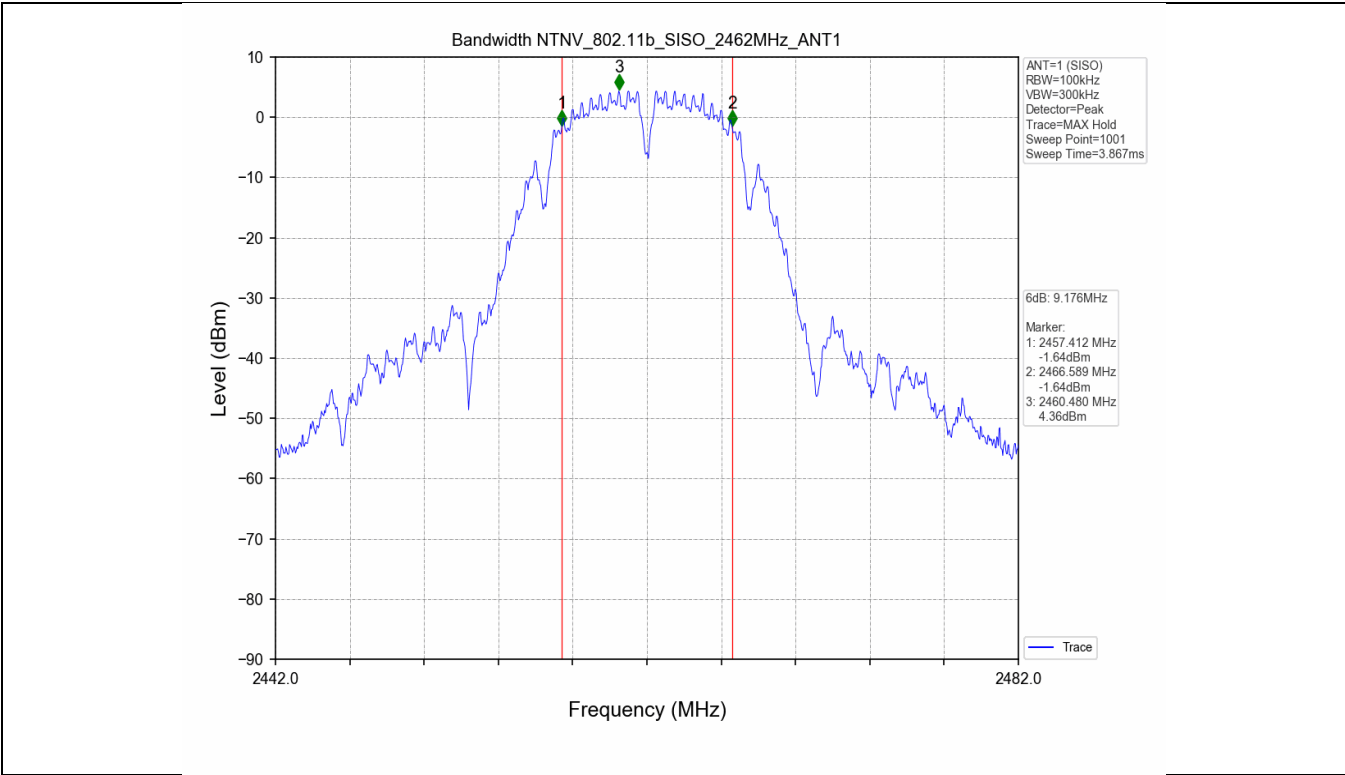
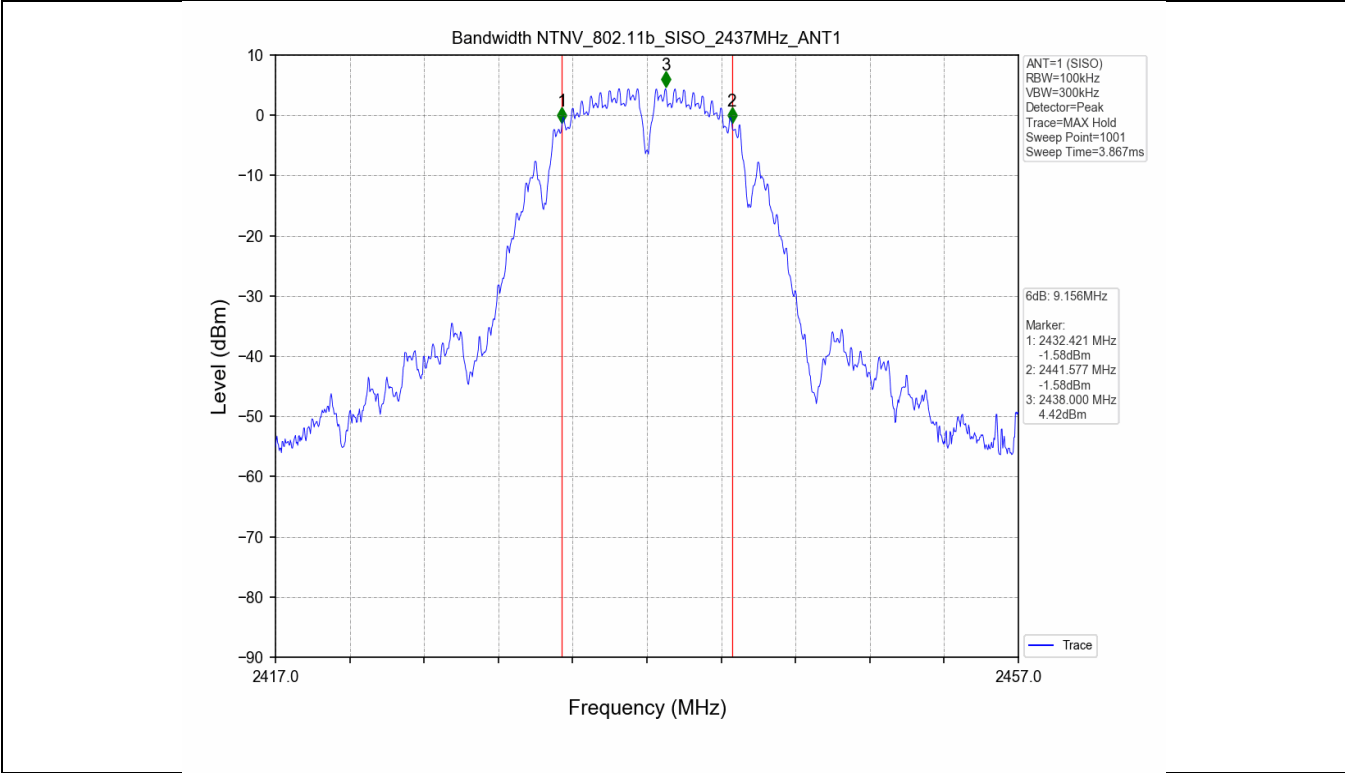
2.1 Test Result

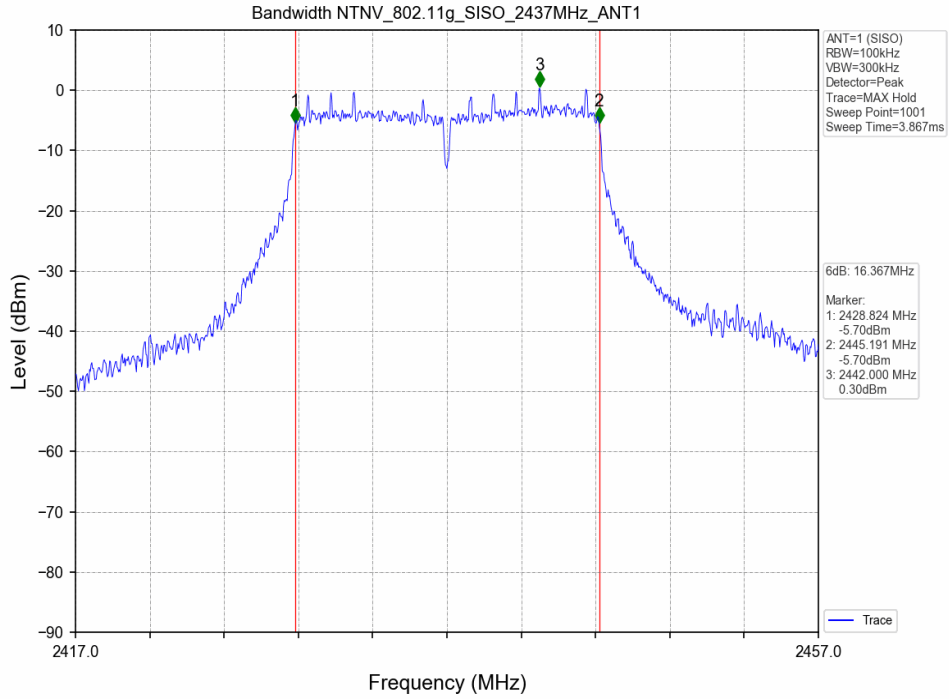
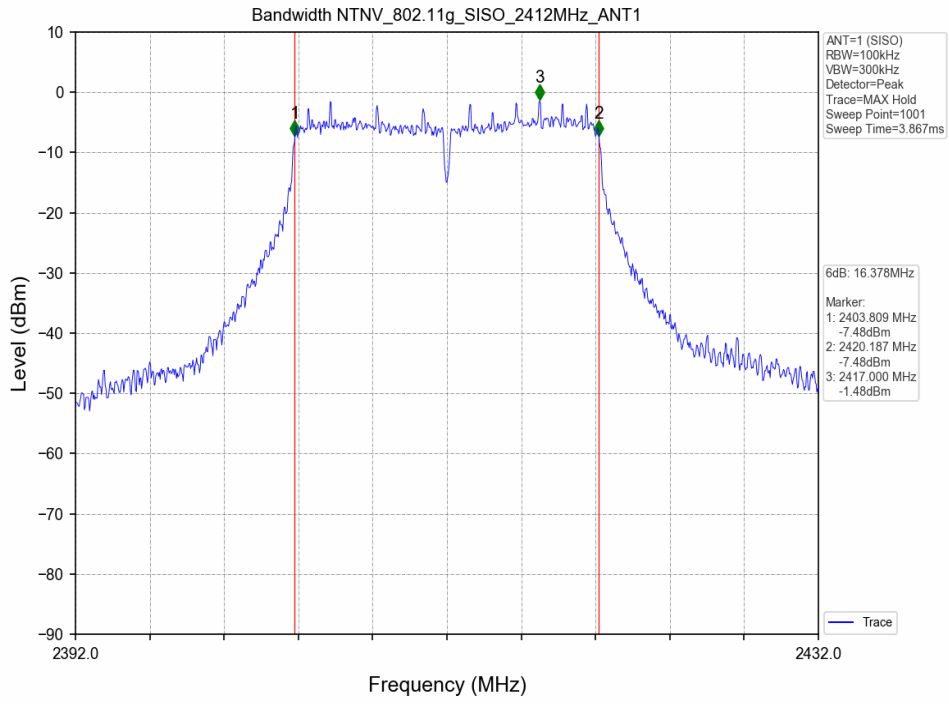
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	9.130	≥0.5	PASS
	2437	SISO	1	9.156	≥0.5	PASS
	2462	SISO	1	9.176	≥0.5	PASS
802.11g	2412	SISO	1	16.378	≥0.5	PASS
	2437	SISO	1	16.367	≥0.5	PASS
	2462	SISO	1	16.376	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.367	≥0.5	PASS
	2437	SISO	1	17.317	≥0.5	PASS
	2462	SISO	1	17.043	≥0.5	PASS

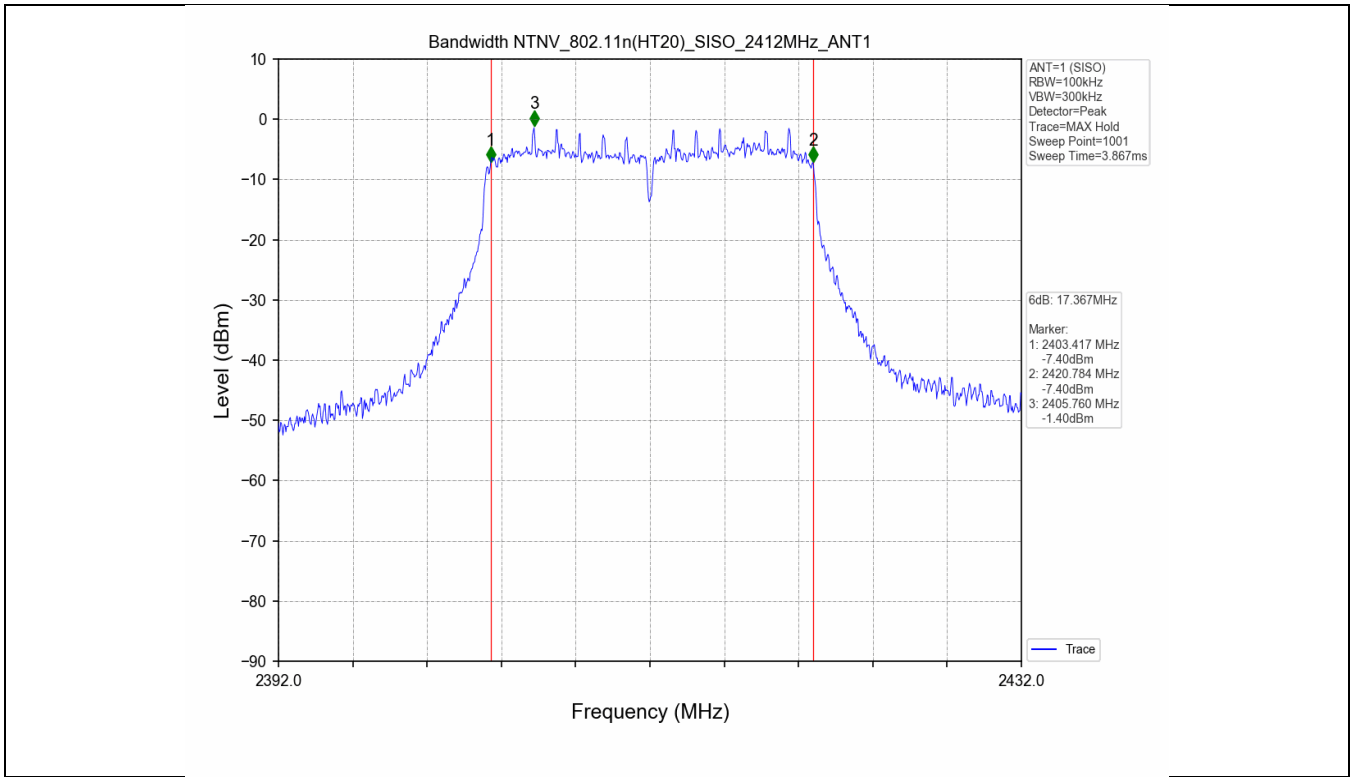
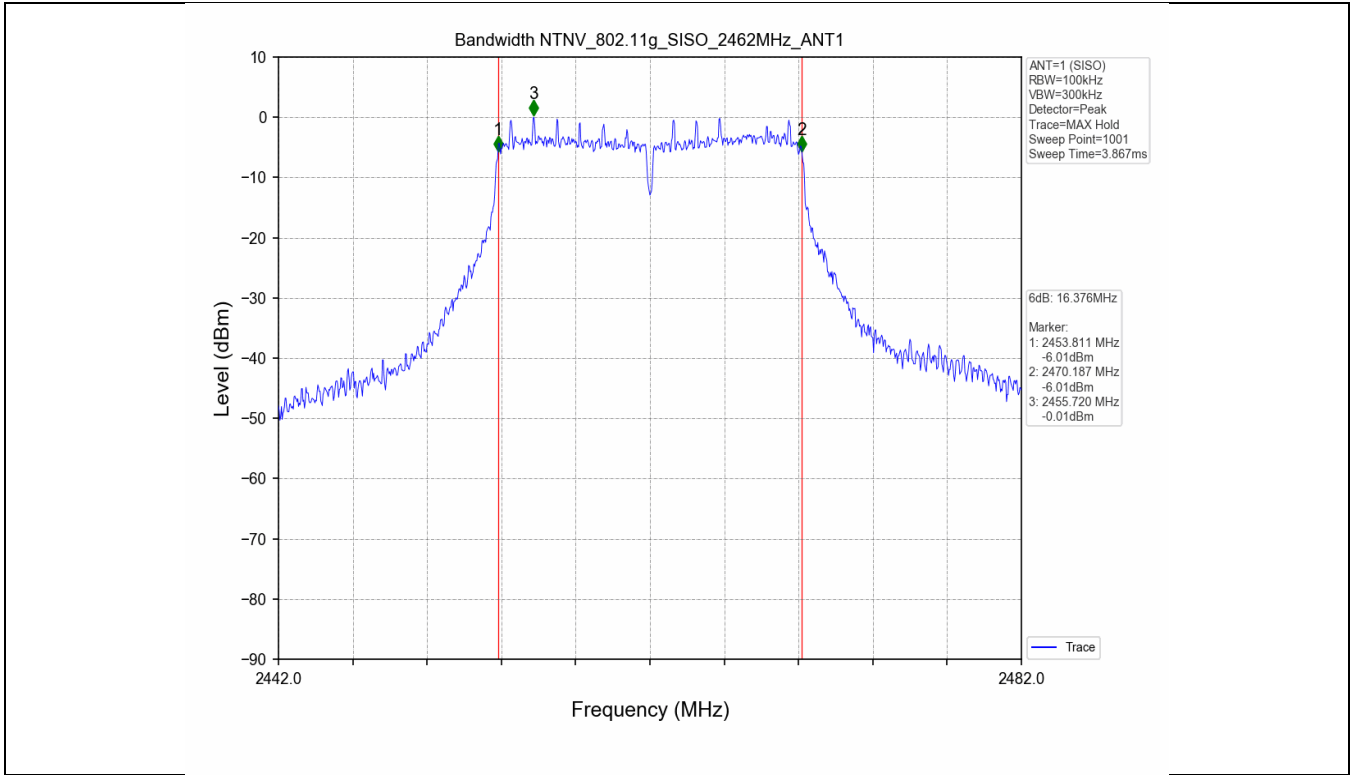
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	11.931	Only for Report Use
	2437	SISO	1	11.963	Only for Report Use
	2462	SISO	1	12.030	Only for Report Use
802.11g	2412	SISO	1	16.814	Only for Report Use
	2437	SISO	1	16.847	Only for Report Use
	2462	SISO	1	16.801	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.815	Only for Report Use
	2437	SISO	1	17.809	Only for Report Use
	2462	SISO	1	17.768	Only for Report Use

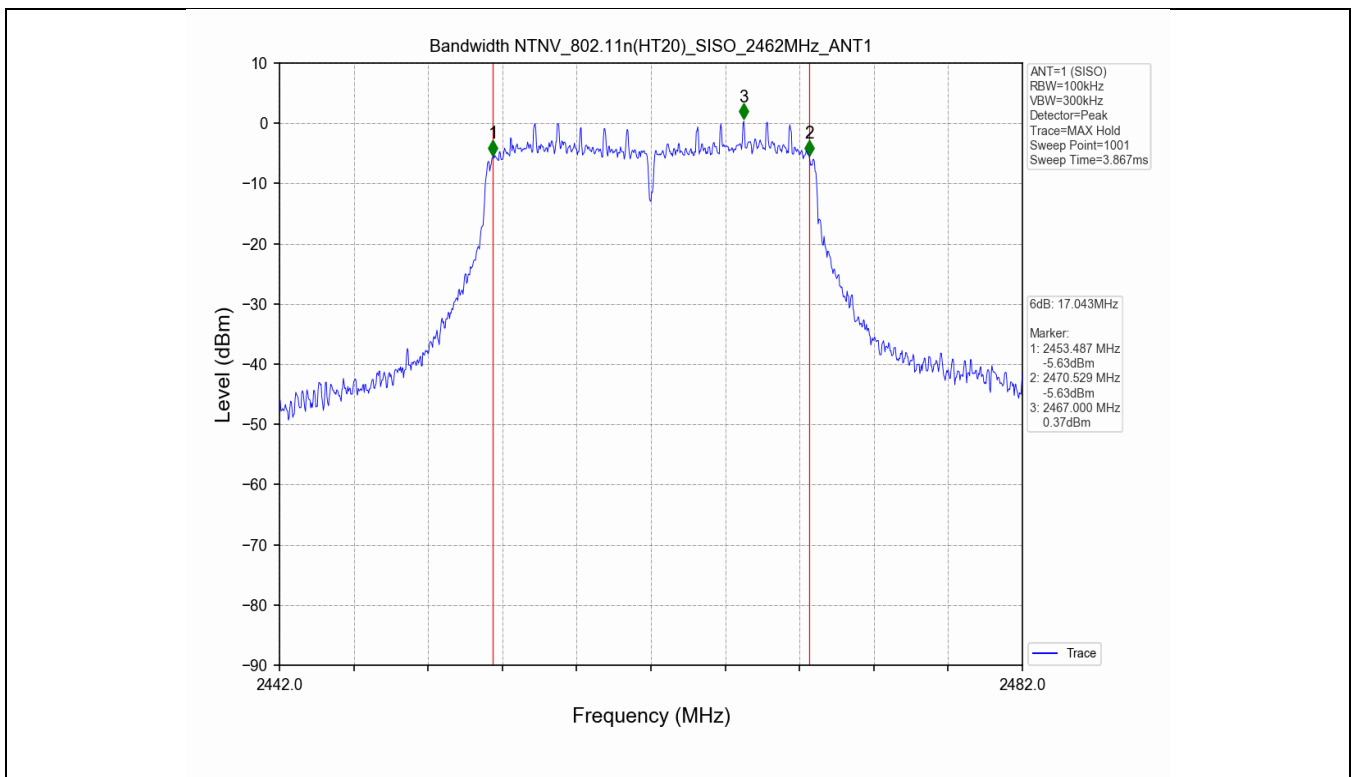
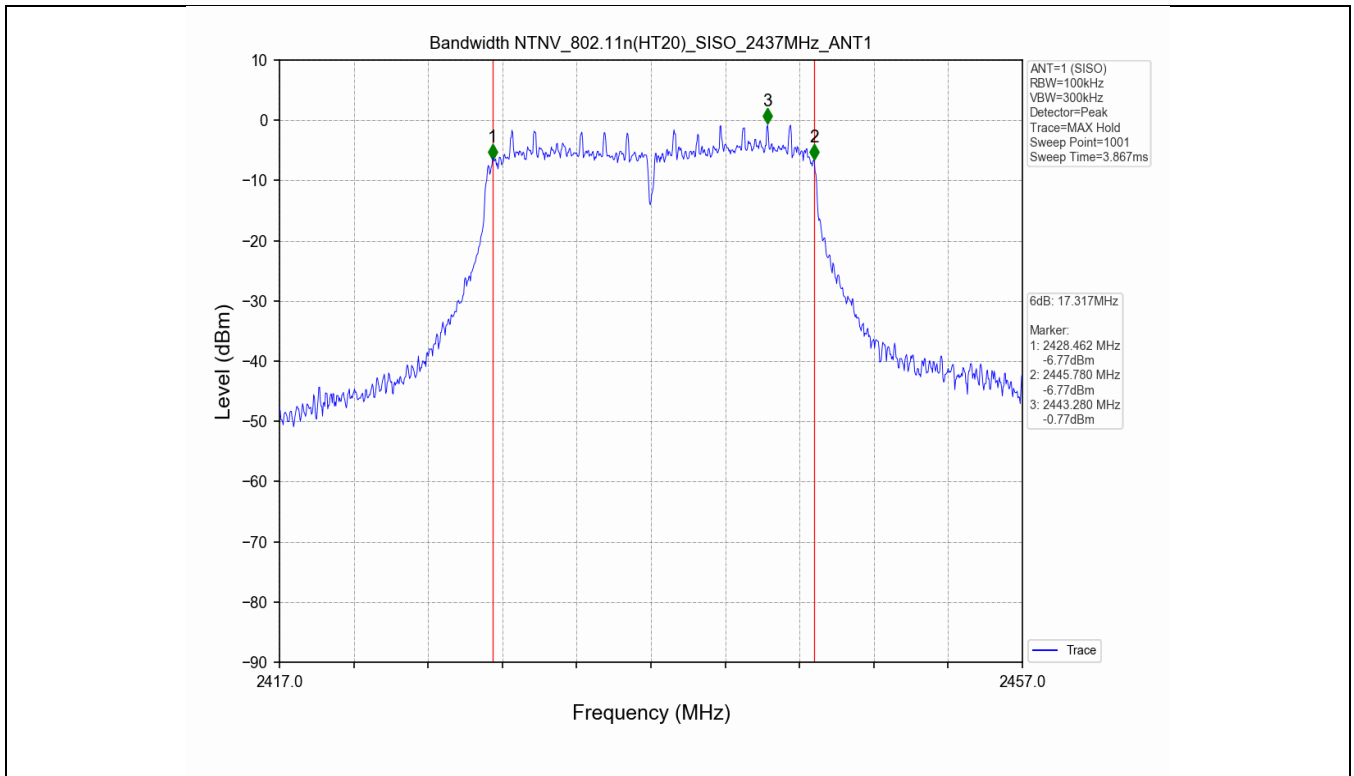
2.2 Test Graph - 6dB Bandwidth



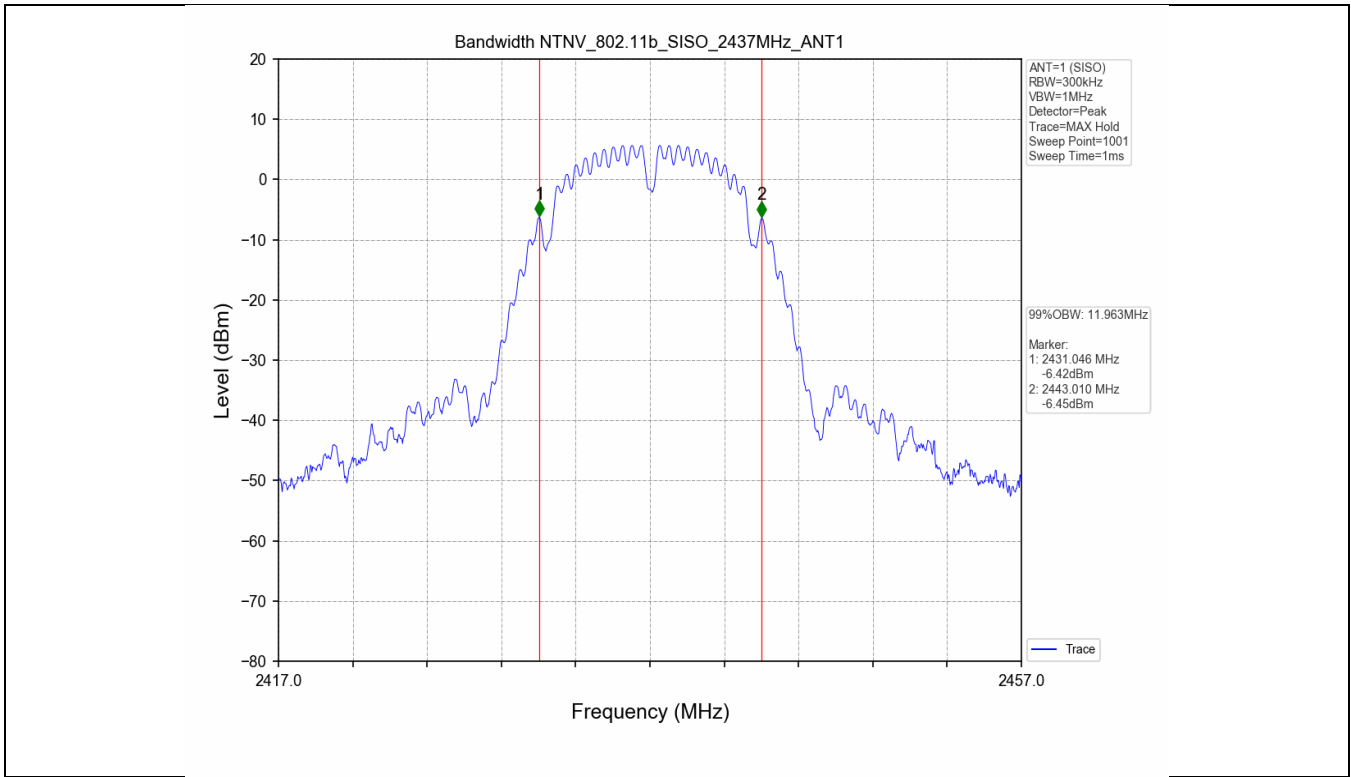
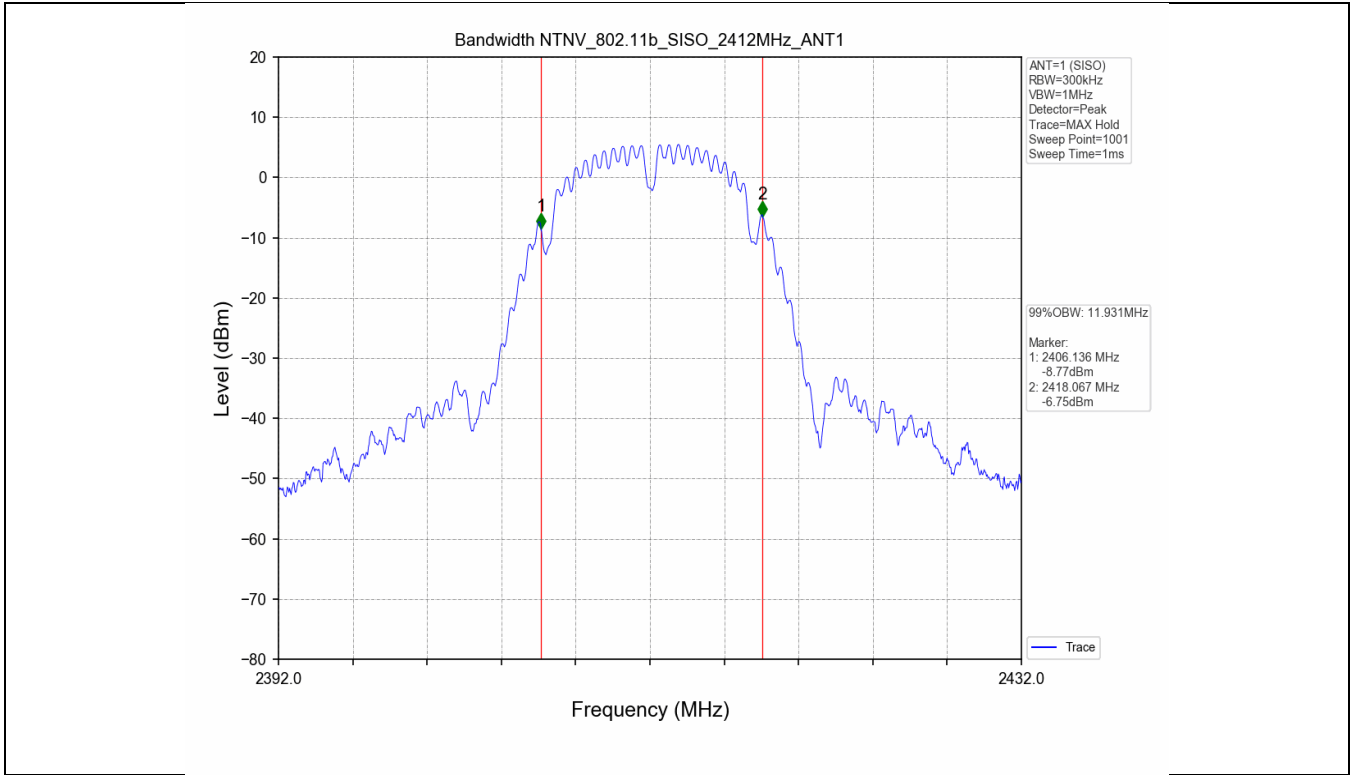


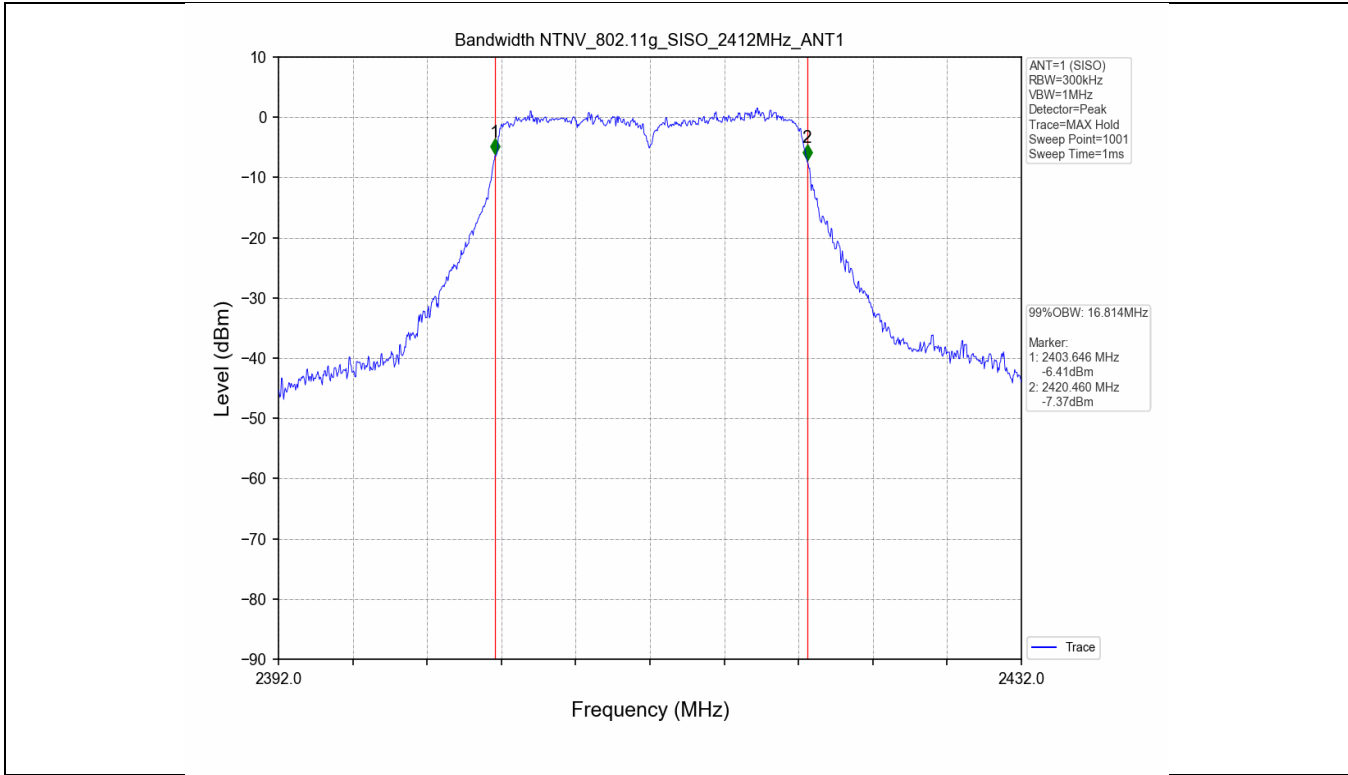
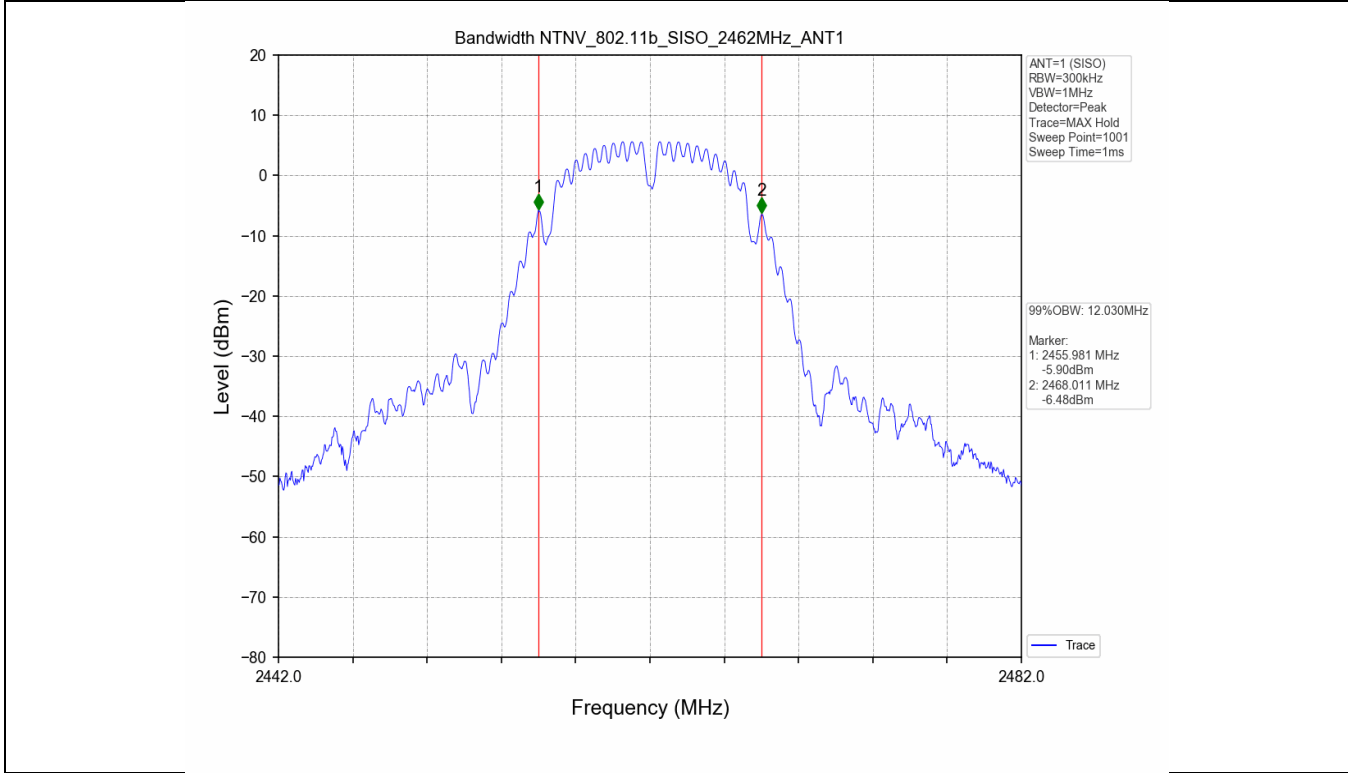


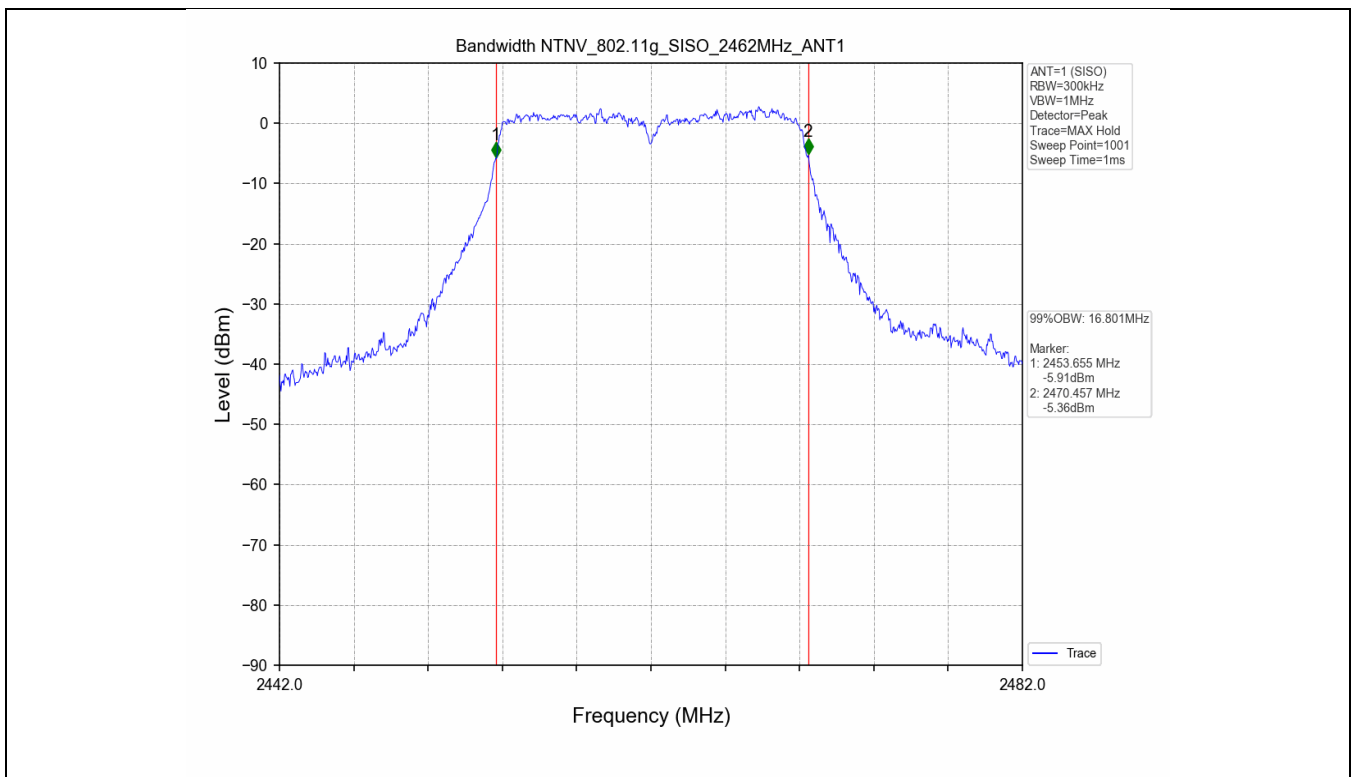
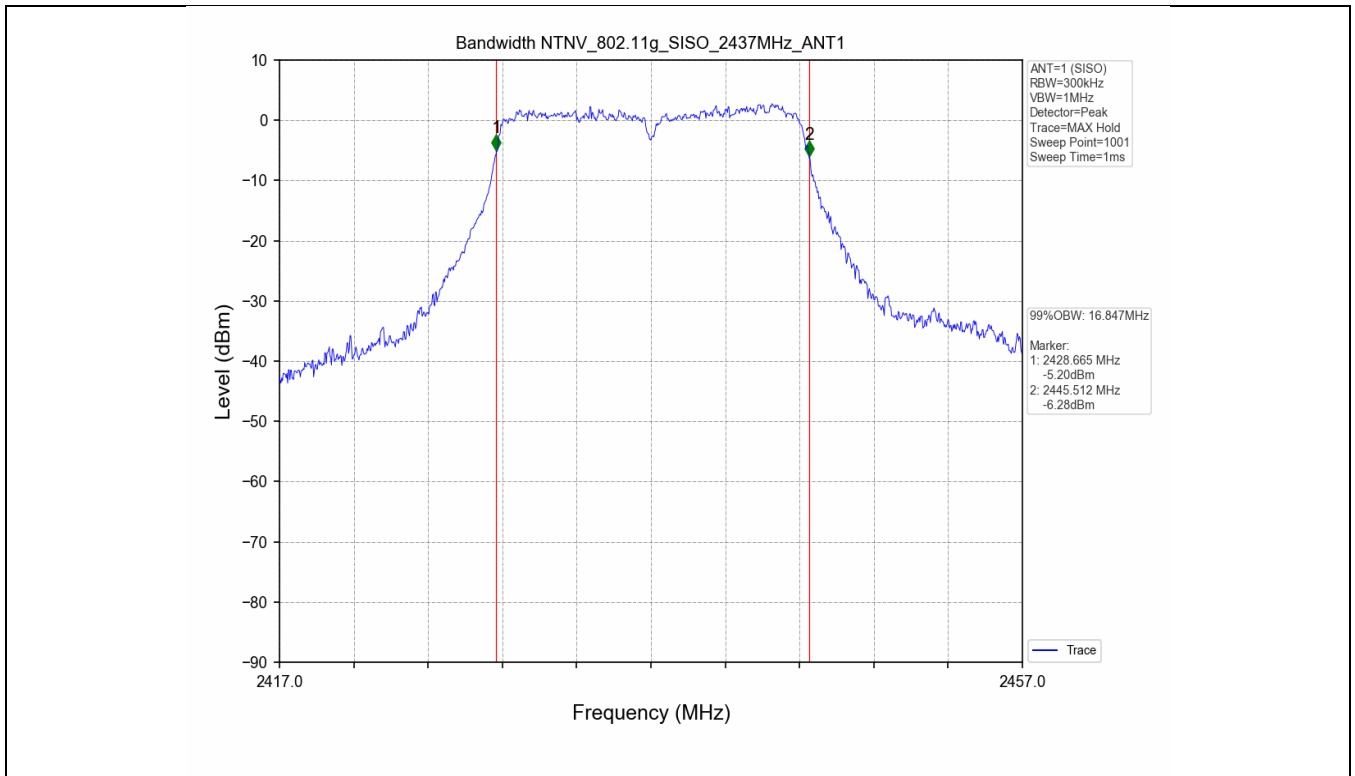


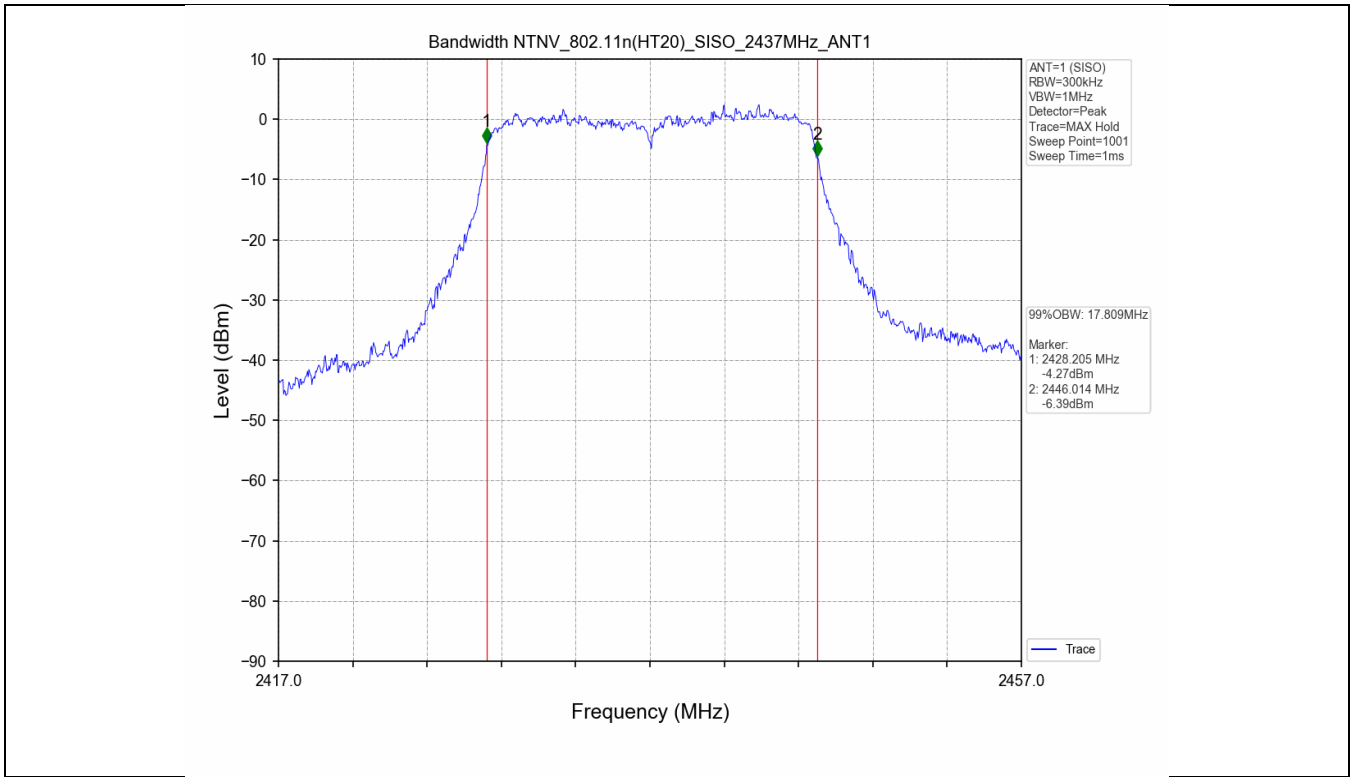
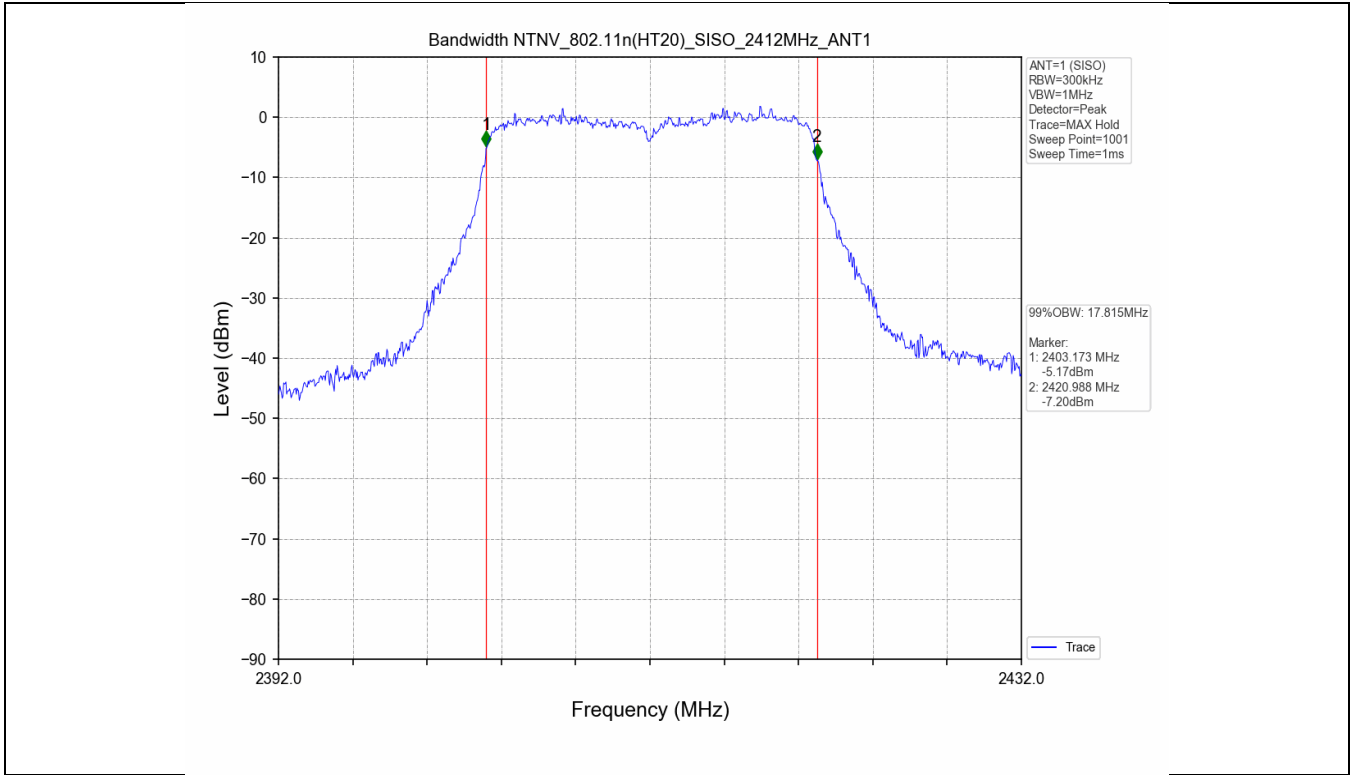


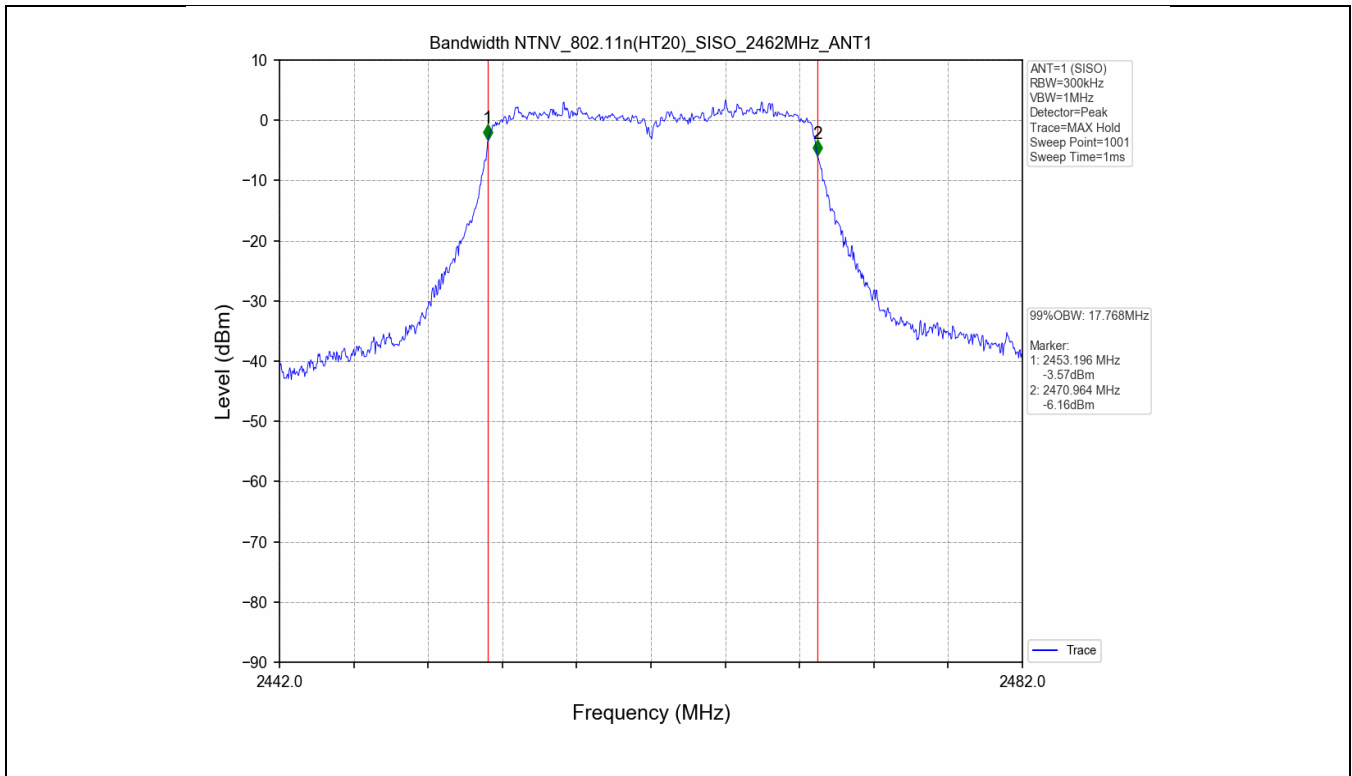
2.3 Test Graph - 99% Occupied Bandwidth









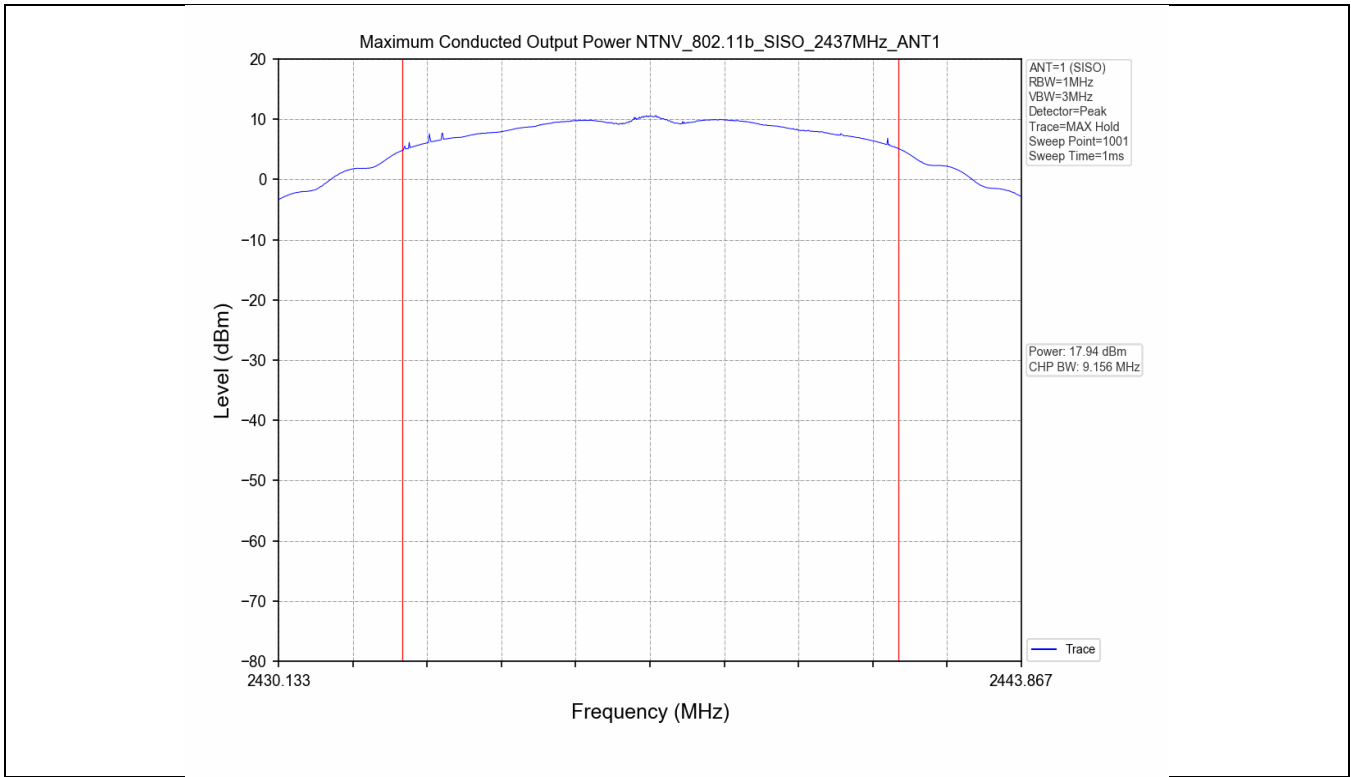
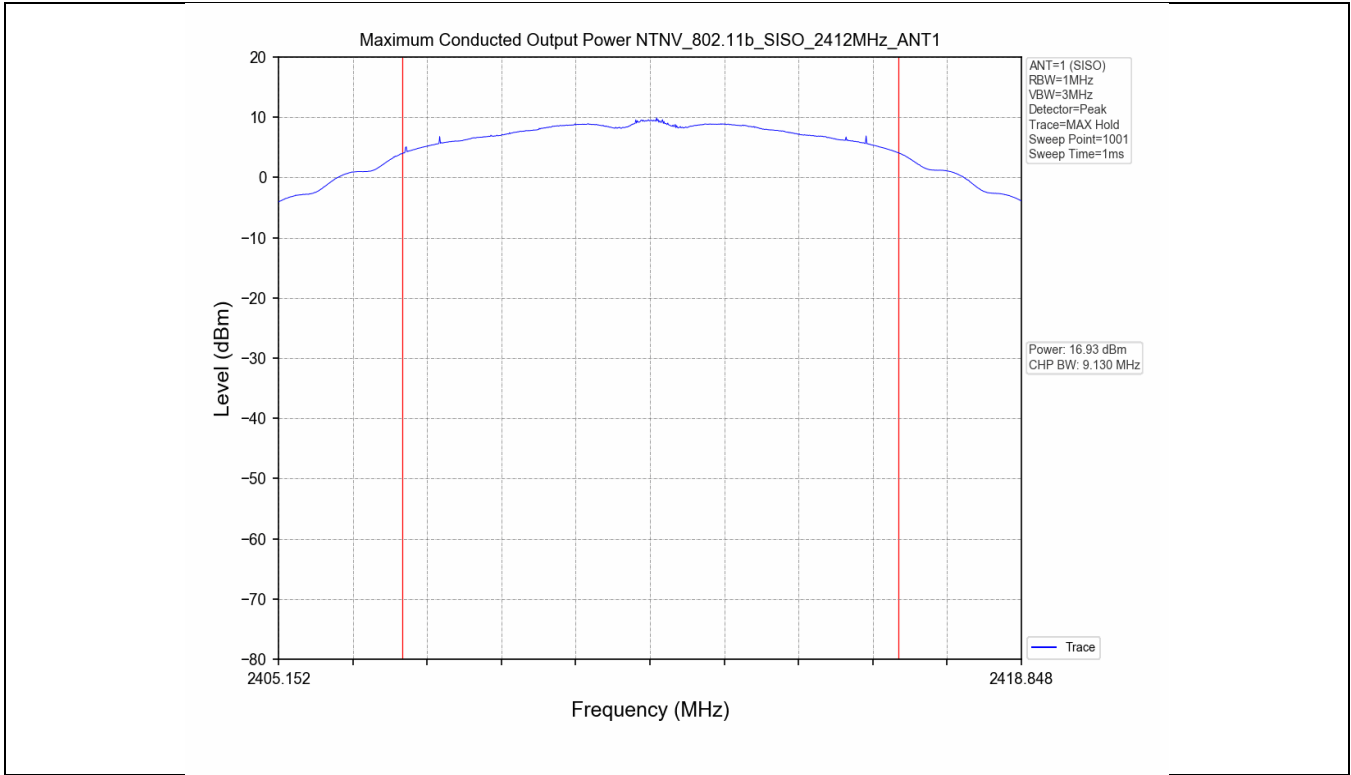


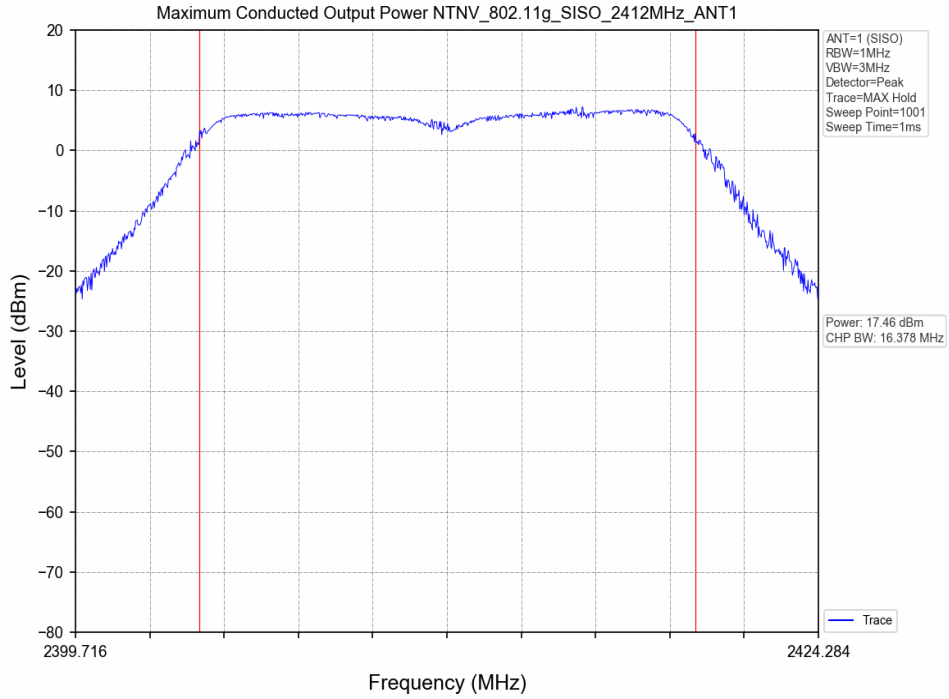
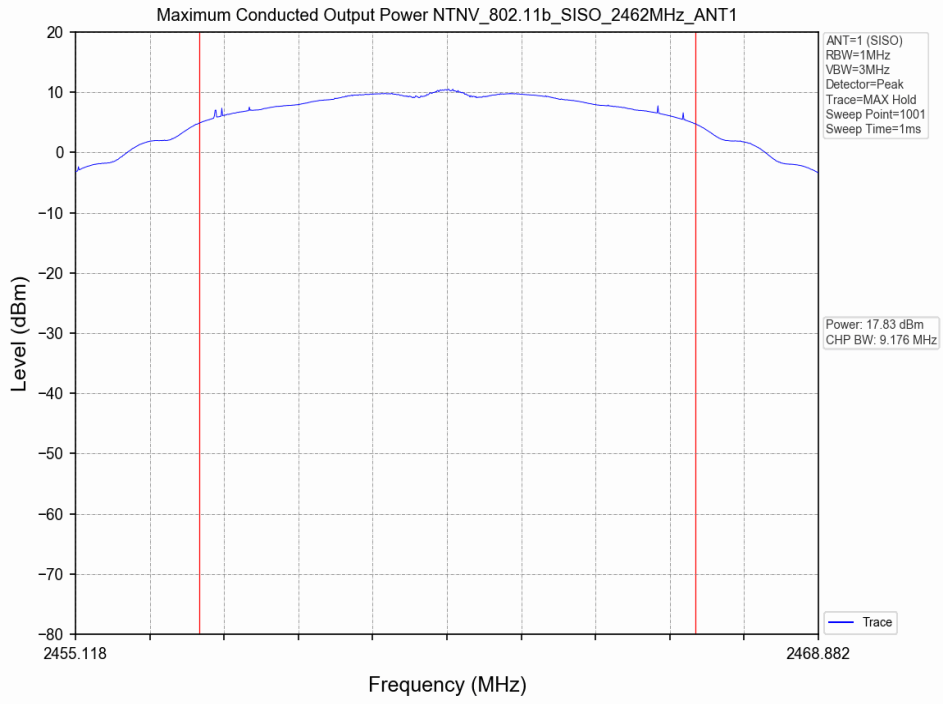
3. Maximum Conducted Output Power

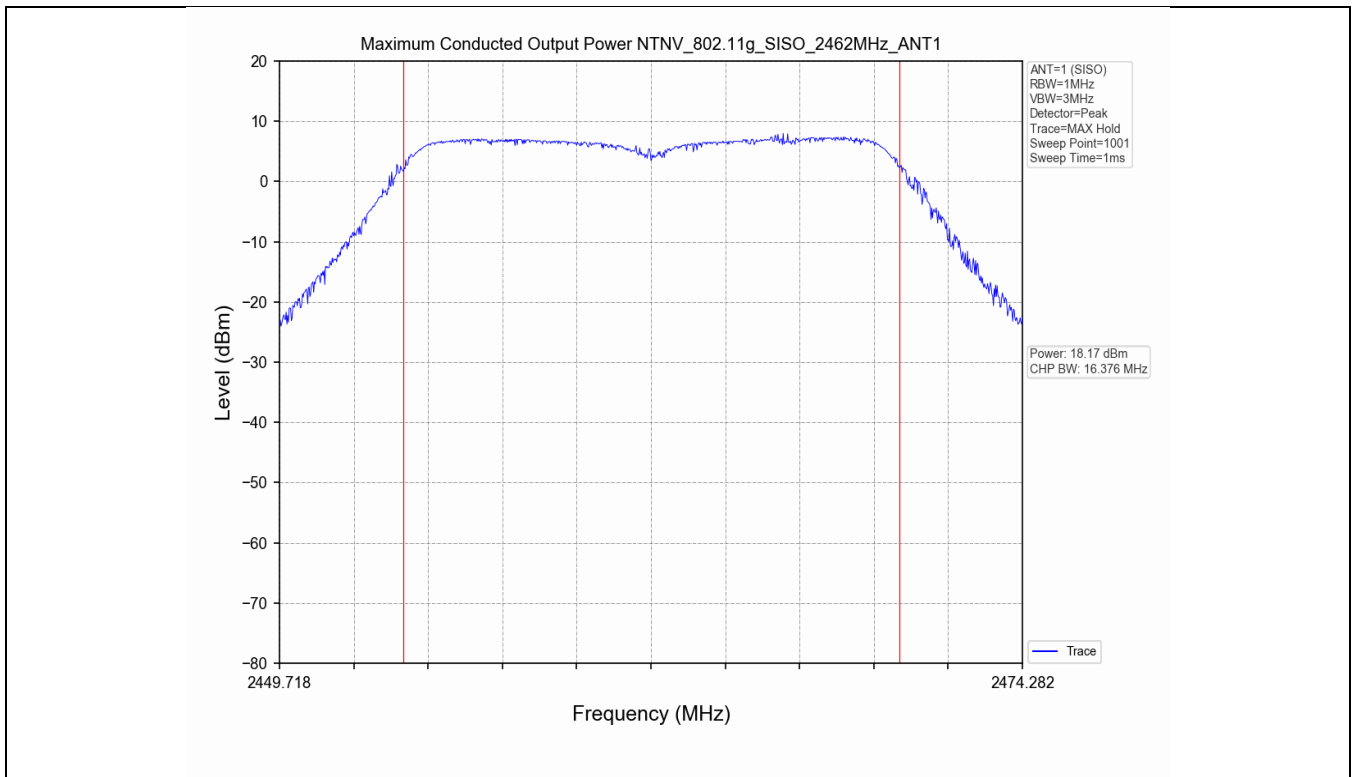
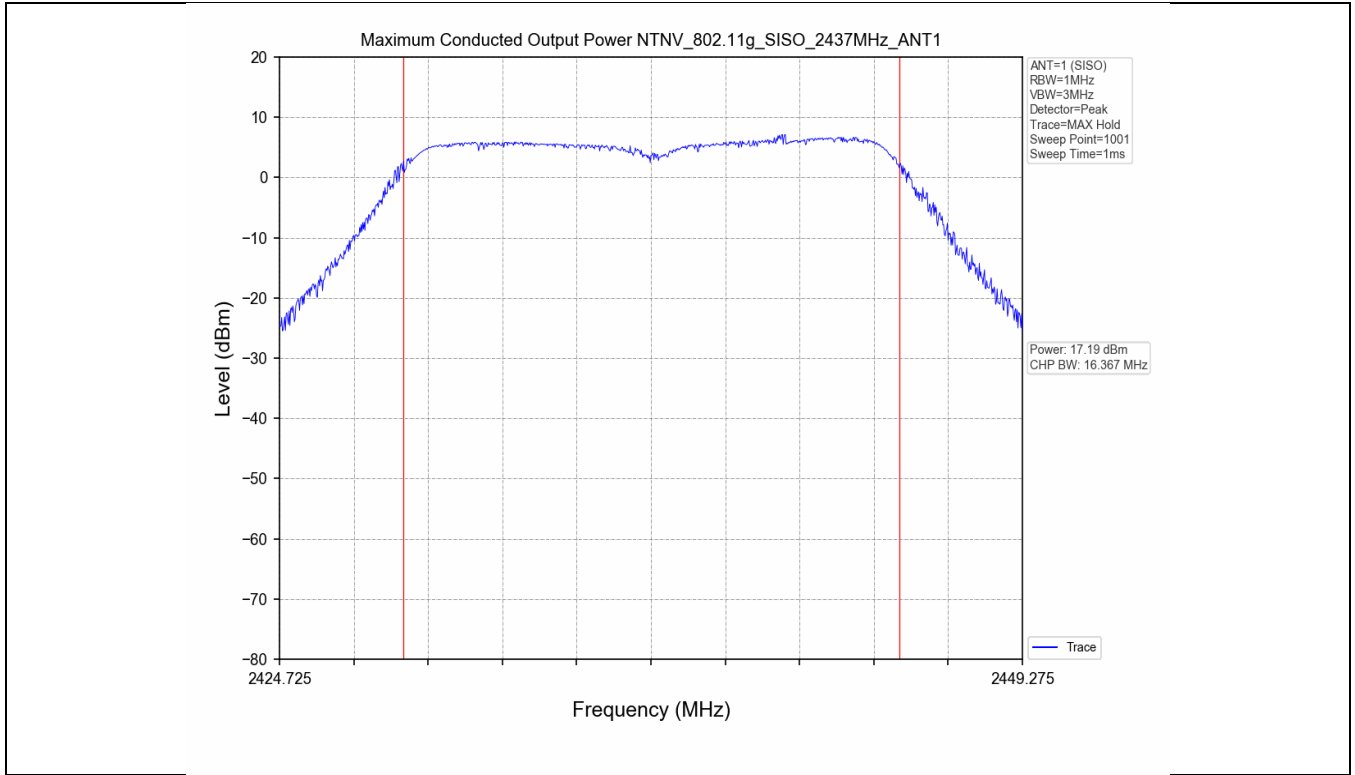
3.1 Test Result

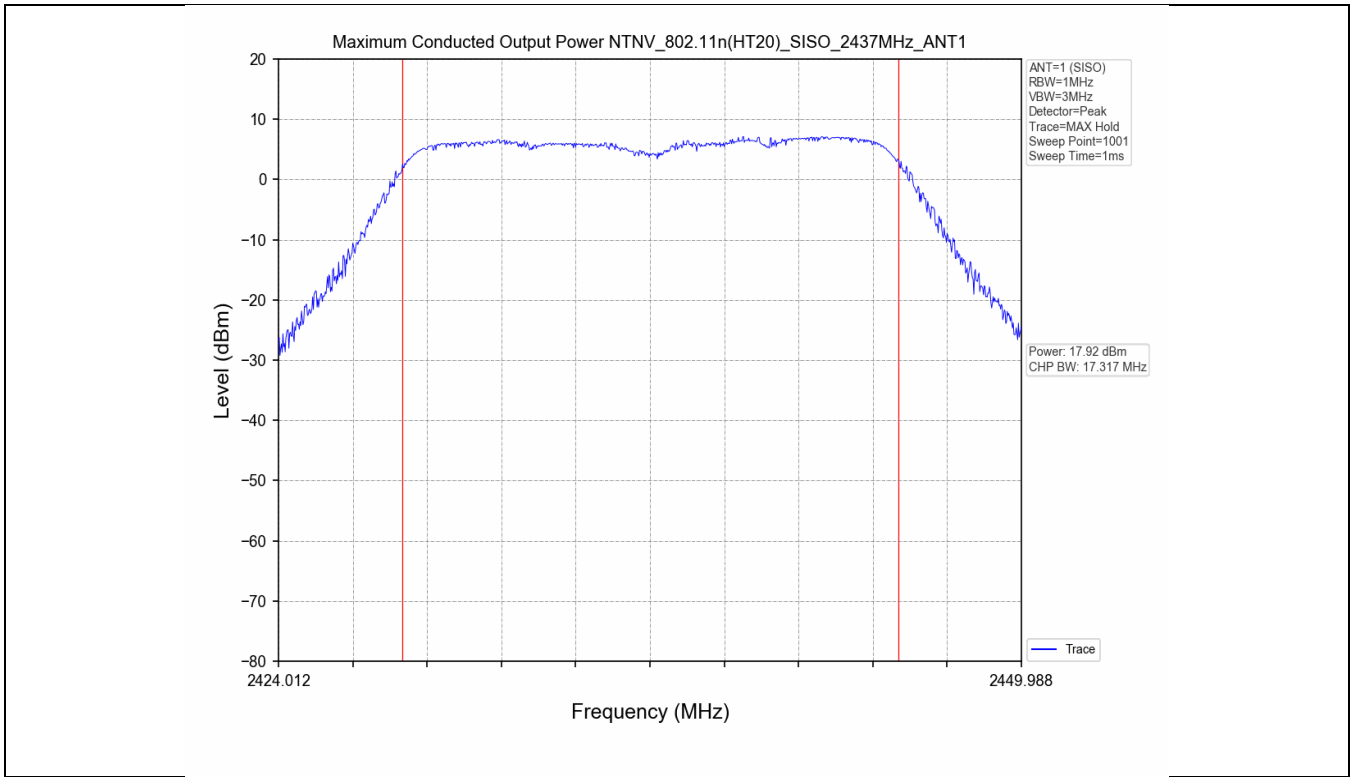
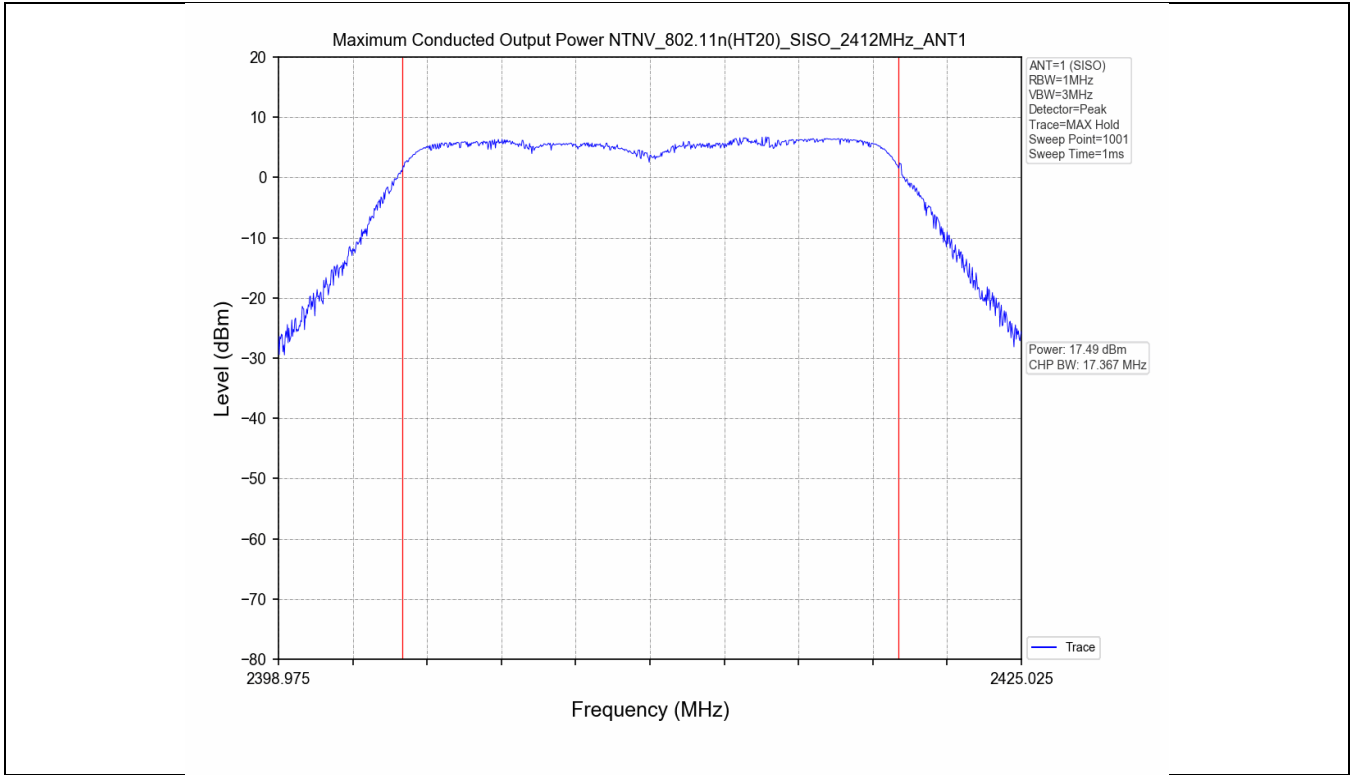
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	16.93	30	PASS
	2437	SISO	17.94	30	PASS
	2462	SISO	17.83	30	PASS
802.11g	2412	SISO	17.46	30	PASS
	2437	SISO	17.19	30	PASS
	2462	SISO	18.17	30	PASS
802.11n(HT20)	2412	SISO	17.49	30	PASS
	2437	SISO	17.92	30	PASS
	2462	SISO	17.37	30	PASS

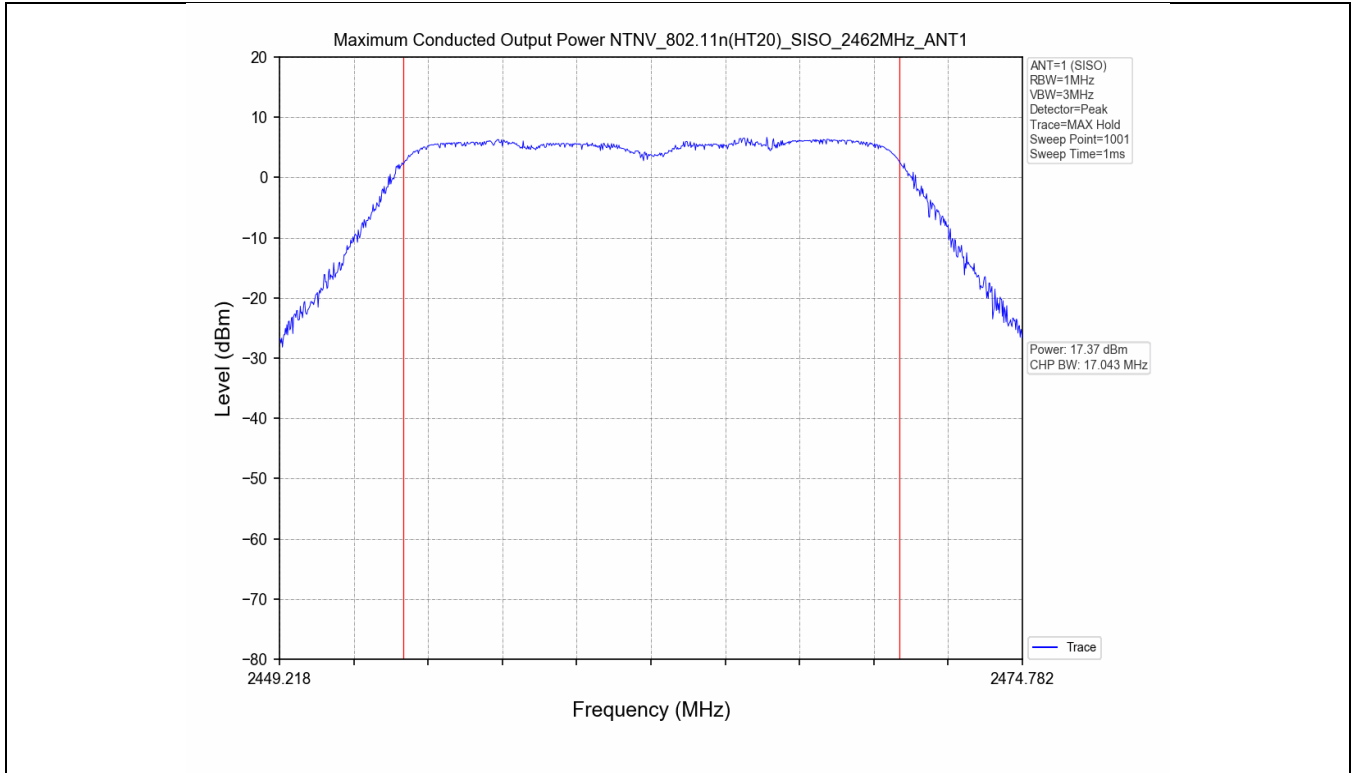
3.2 Test Graph









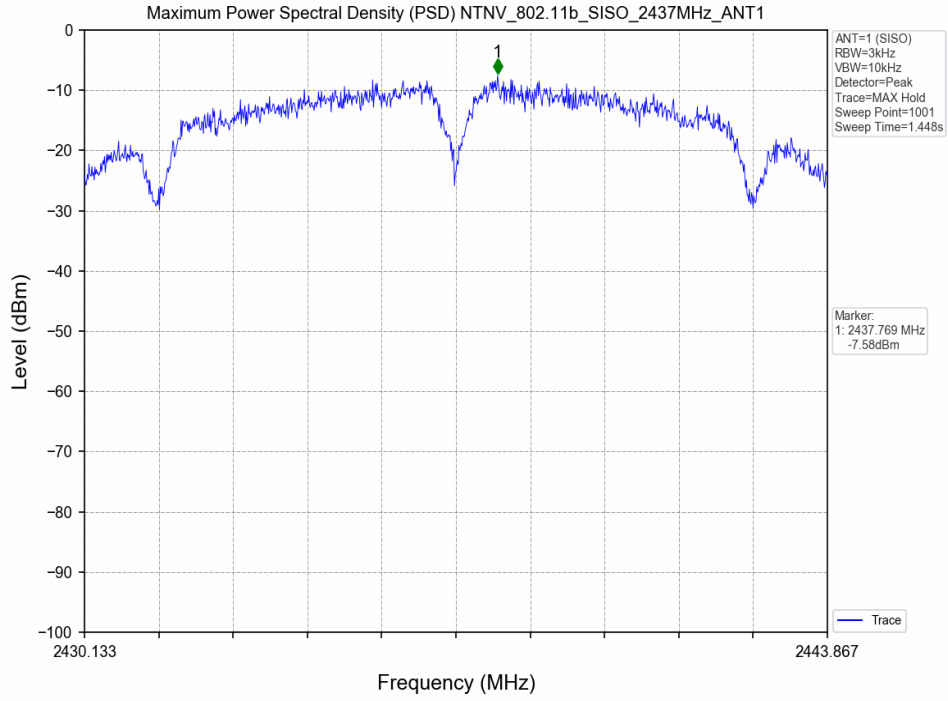
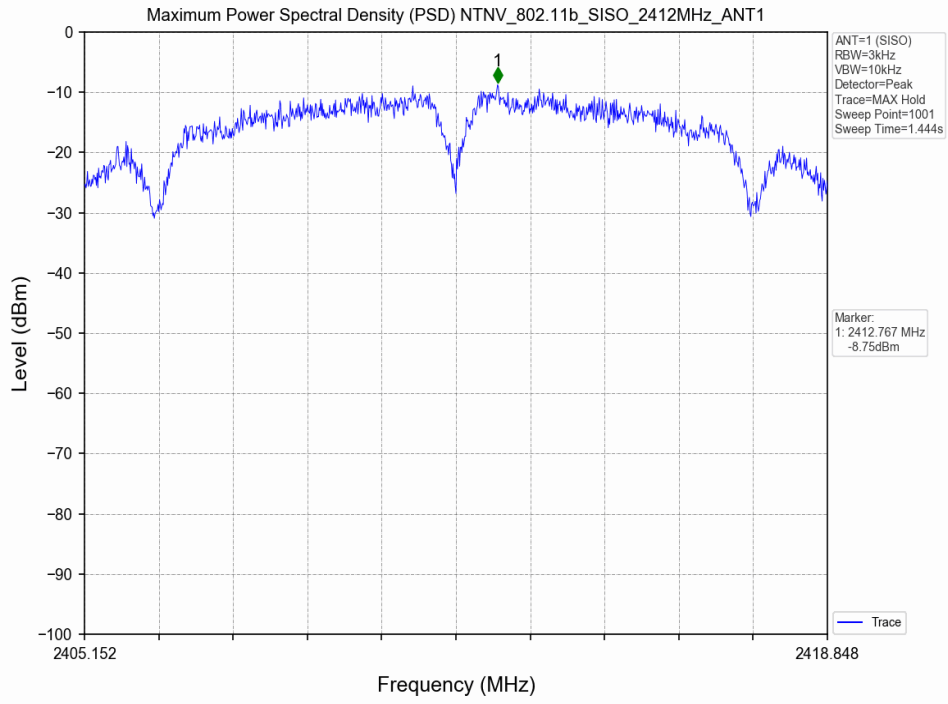


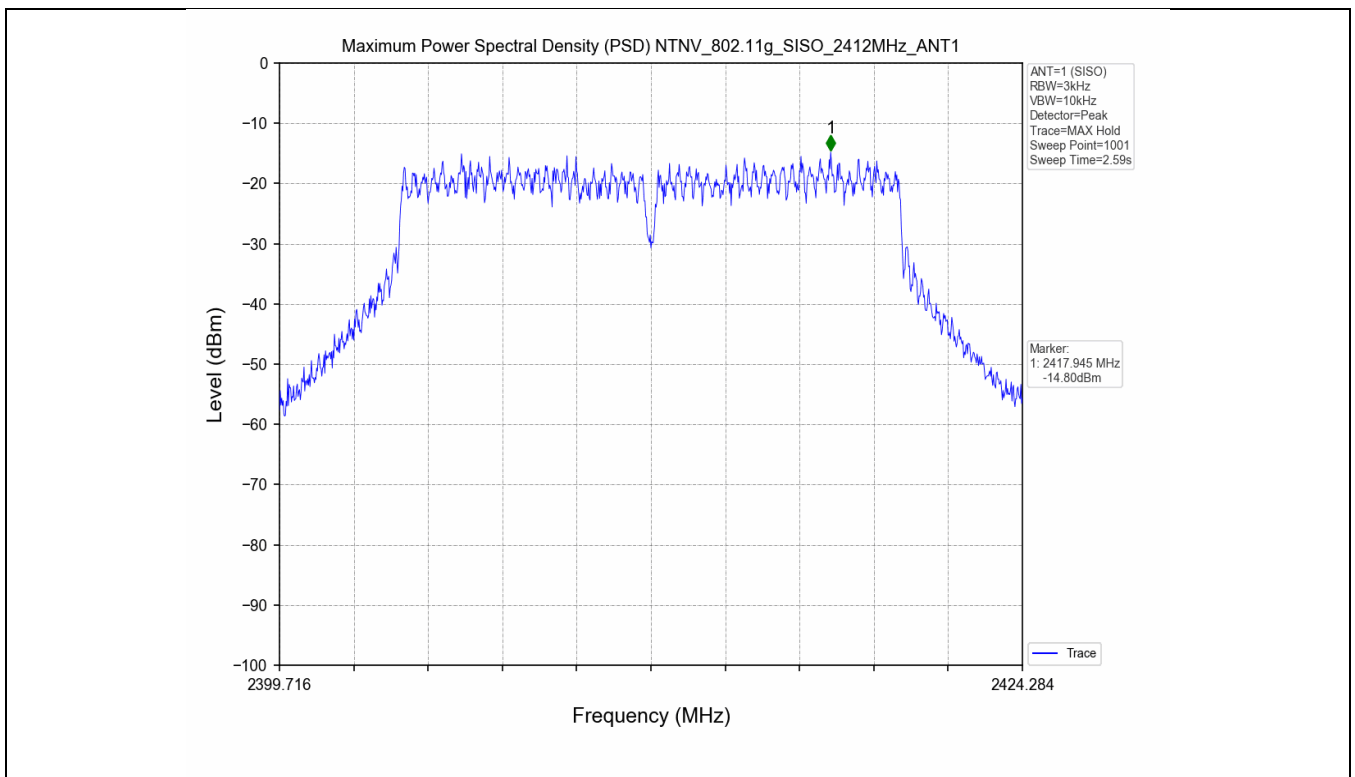
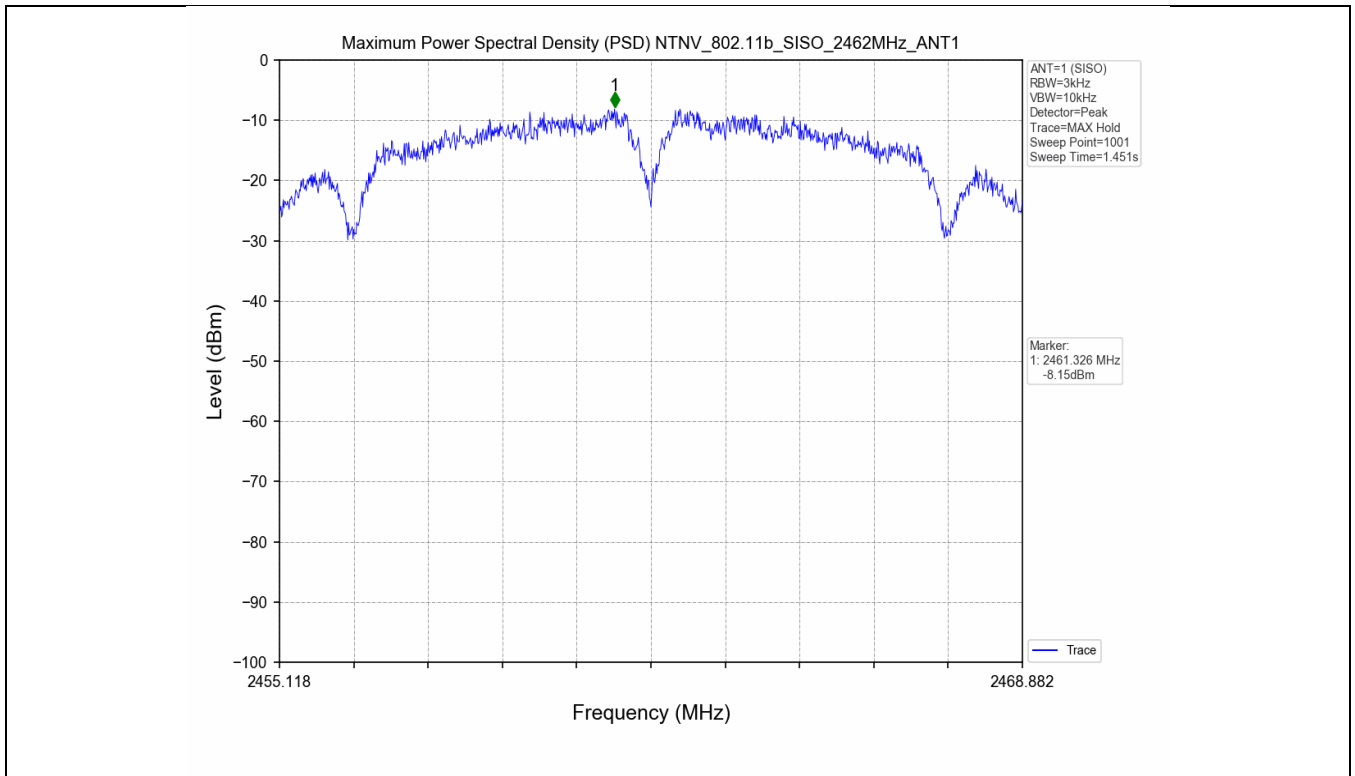
4. Maximum Power Spectral Density (PSD)

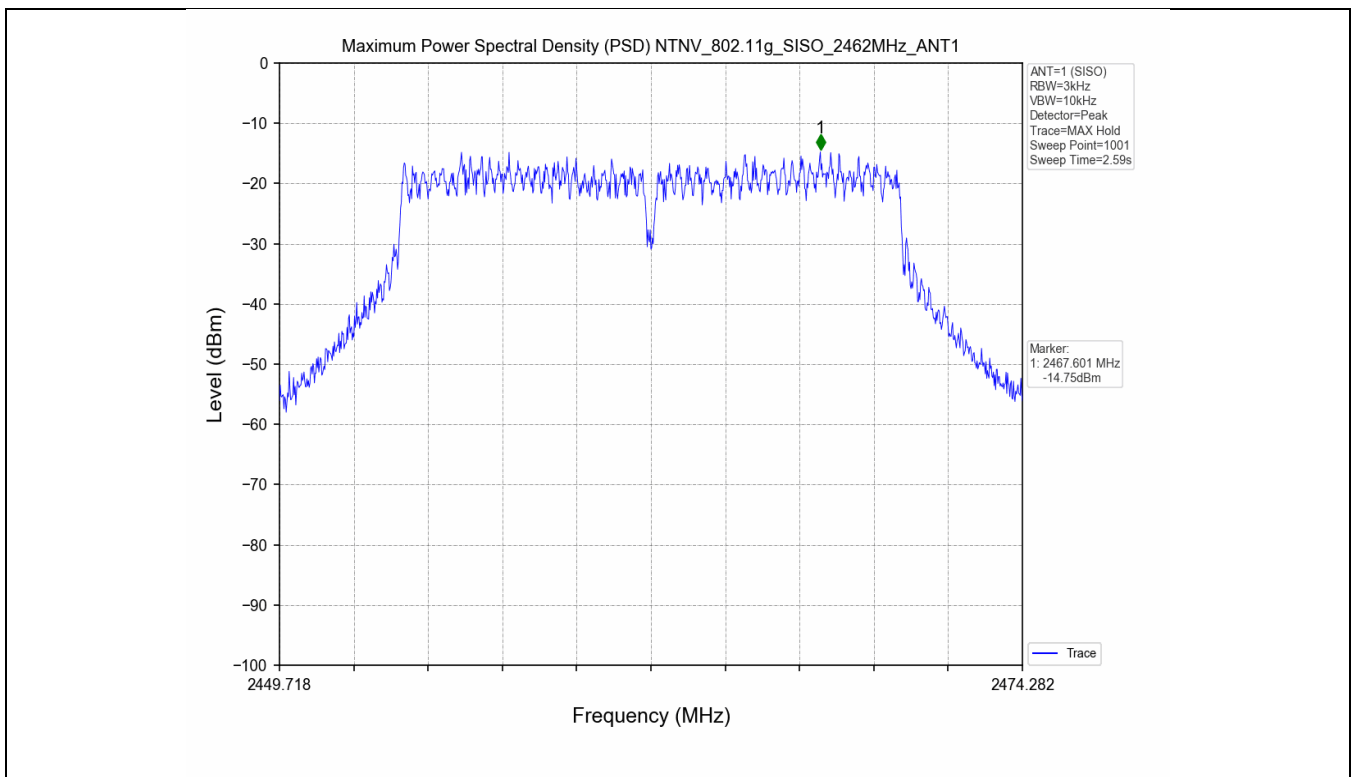
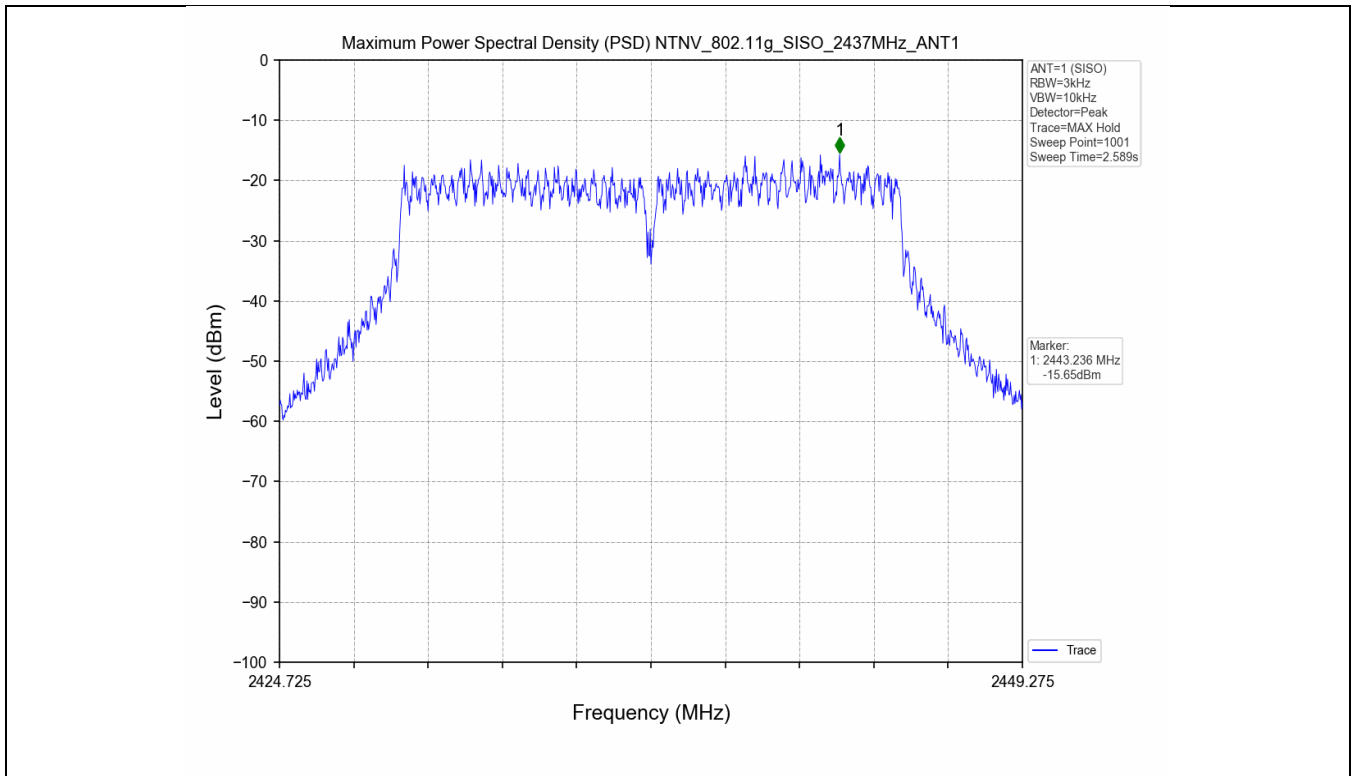
4.1 Test Result

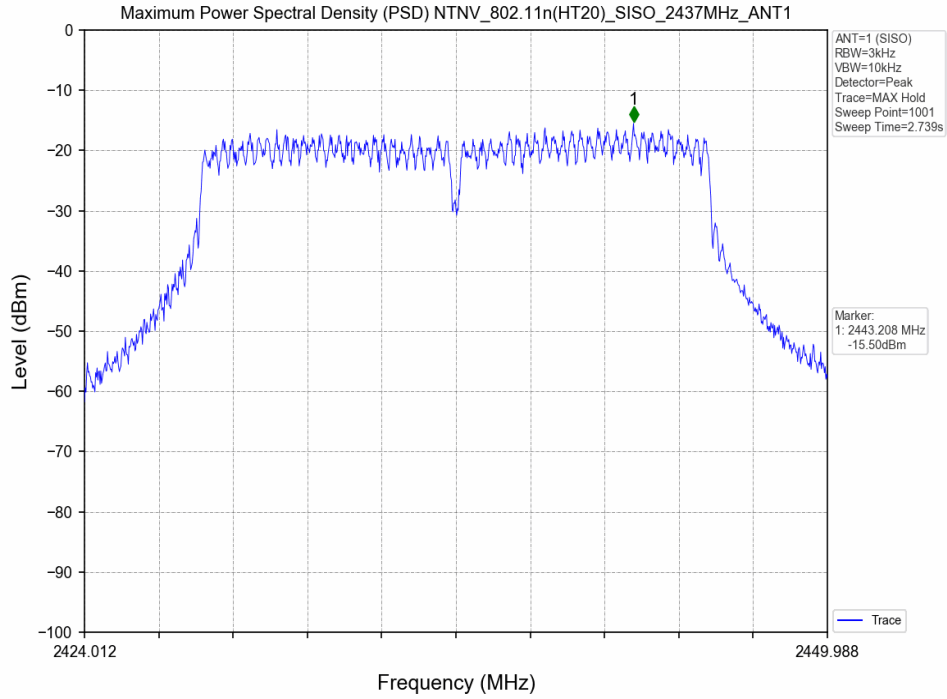
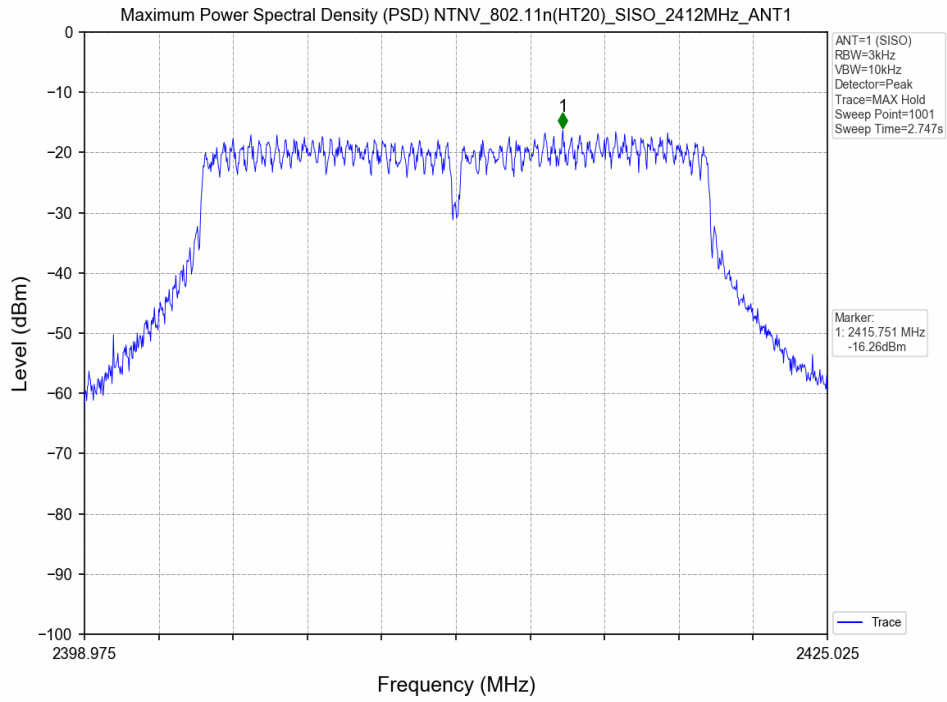
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-8.75	≤8	PASS
	2437	SISO	-7.58	≤8	PASS
	2462	SISO	-8.15	≤8	PASS
802.11g	2412	SISO	-14.80	≤8	PASS
	2437	SISO	-15.65	≤8	PASS
	2462	SISO	-14.75	≤8	PASS
802.11n(HT20)	2412	SISO	-16.26	≤8	PASS
	2437	SISO	-15.50	≤8	PASS
	2462	SISO	-14.90	≤8	PASS

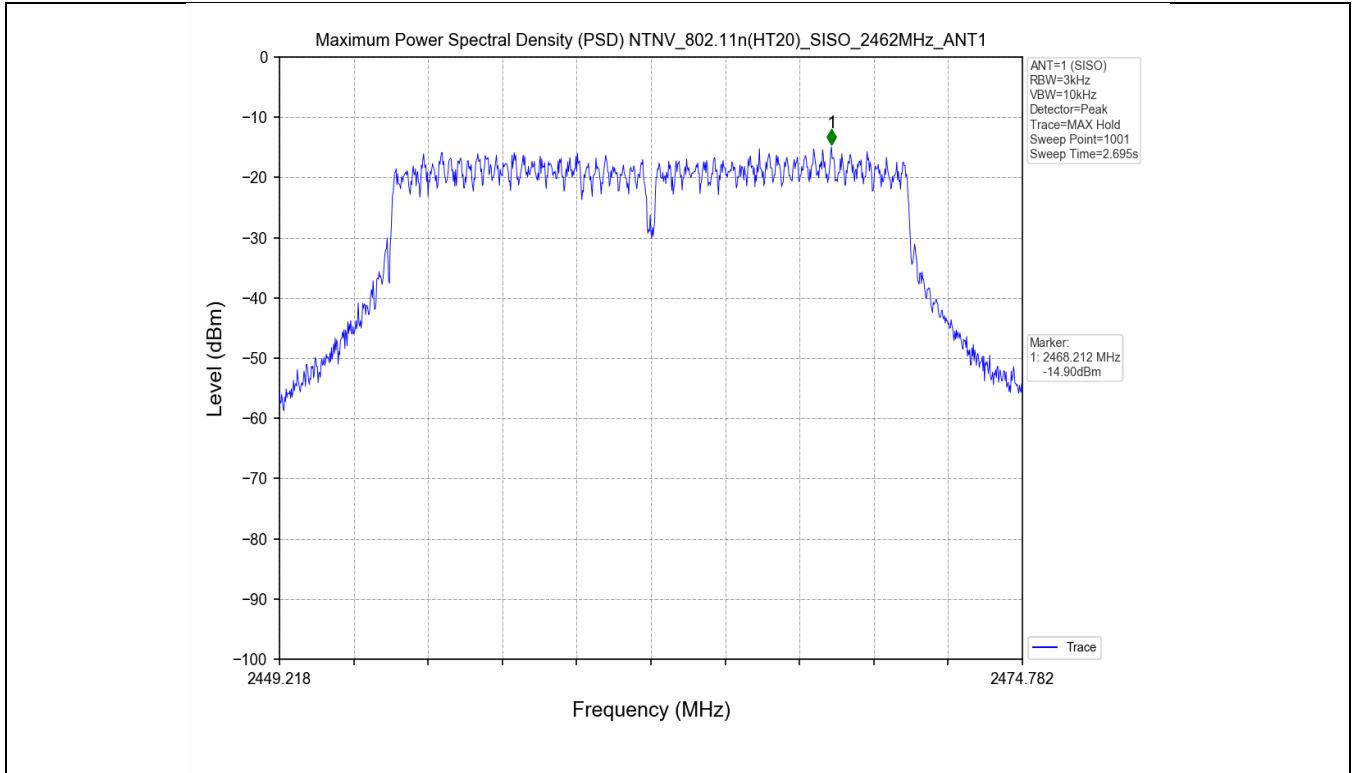
4.2 Test Graph









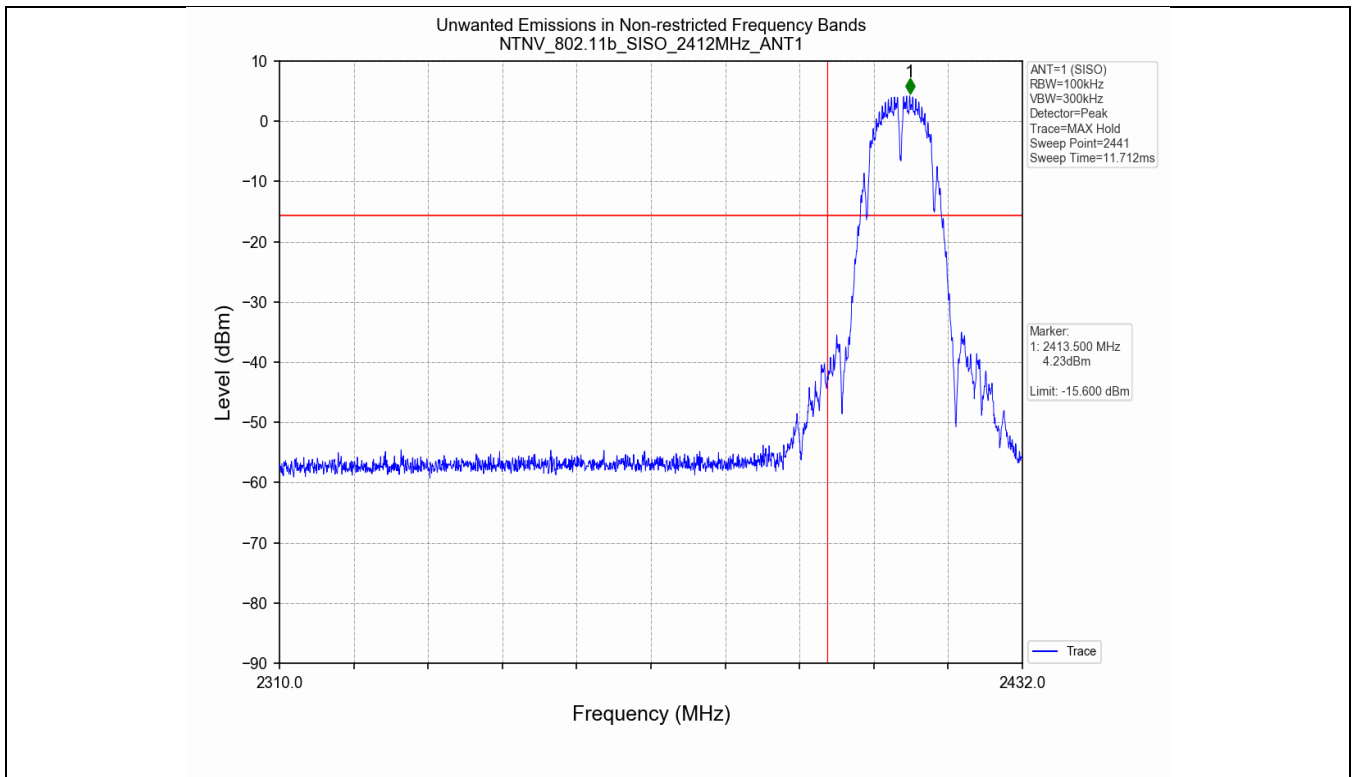
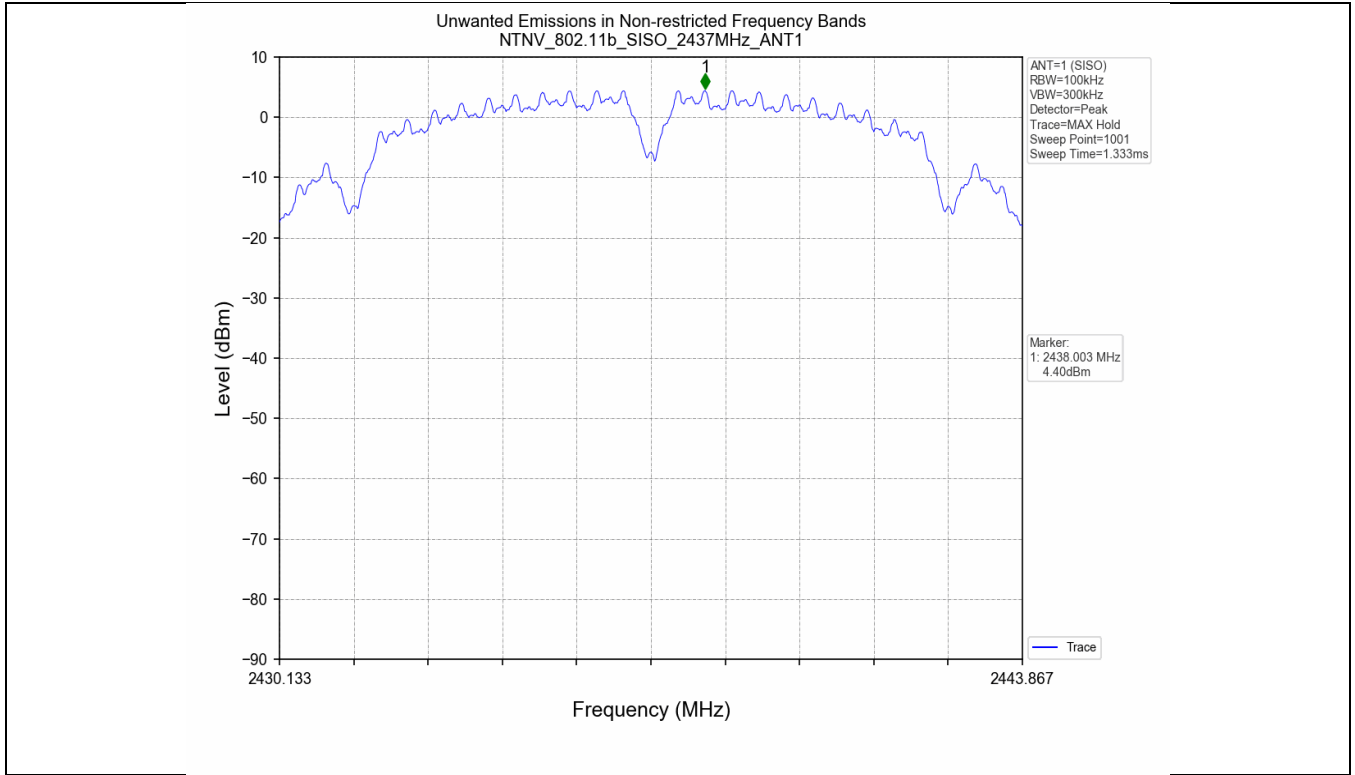


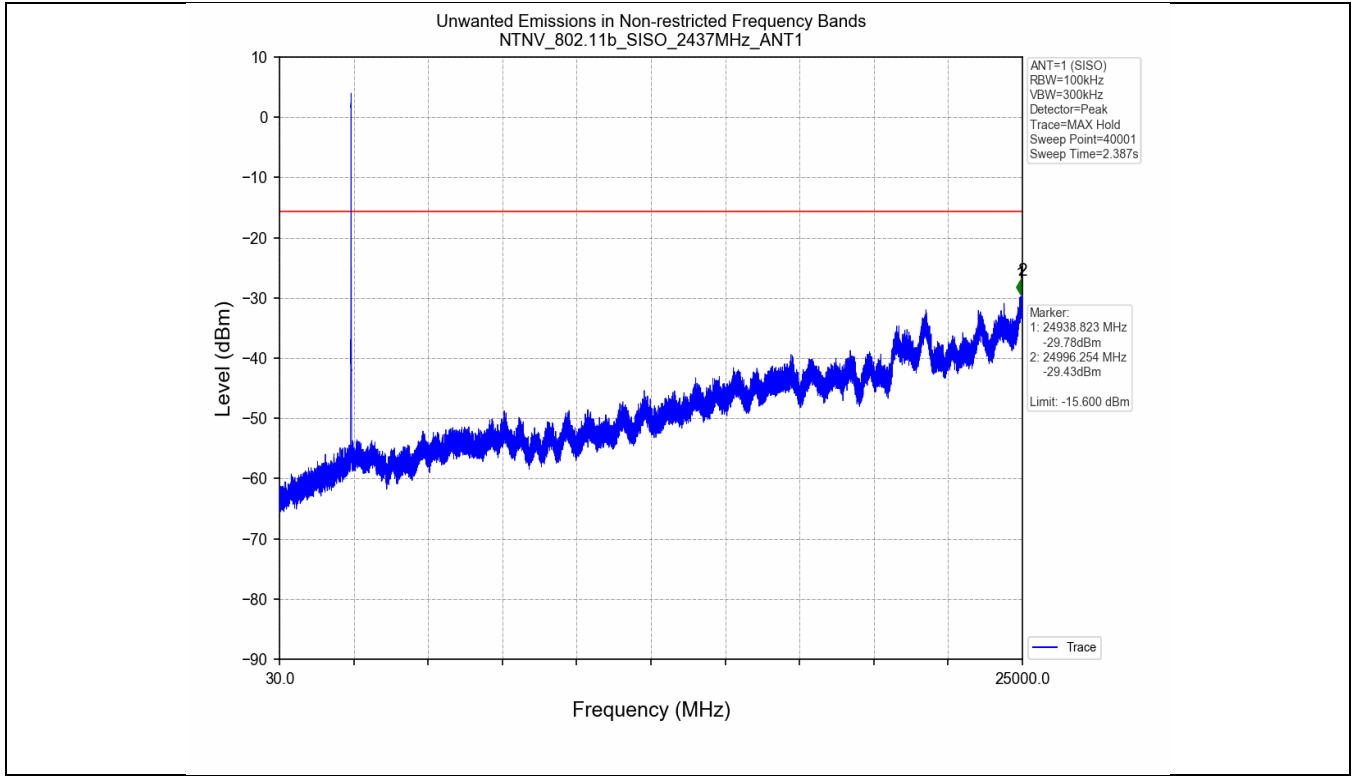
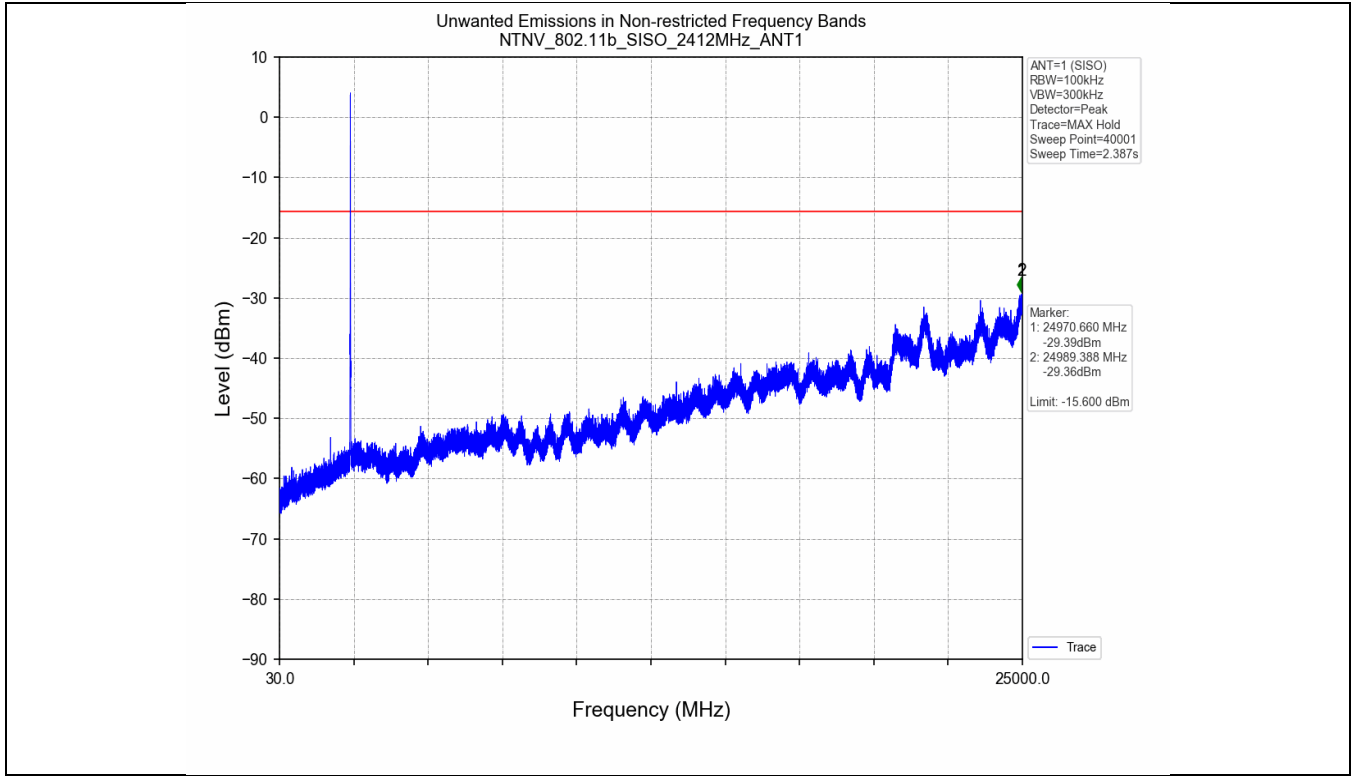
5. Unwanted Emissions in Non-restricted Frequency Bands

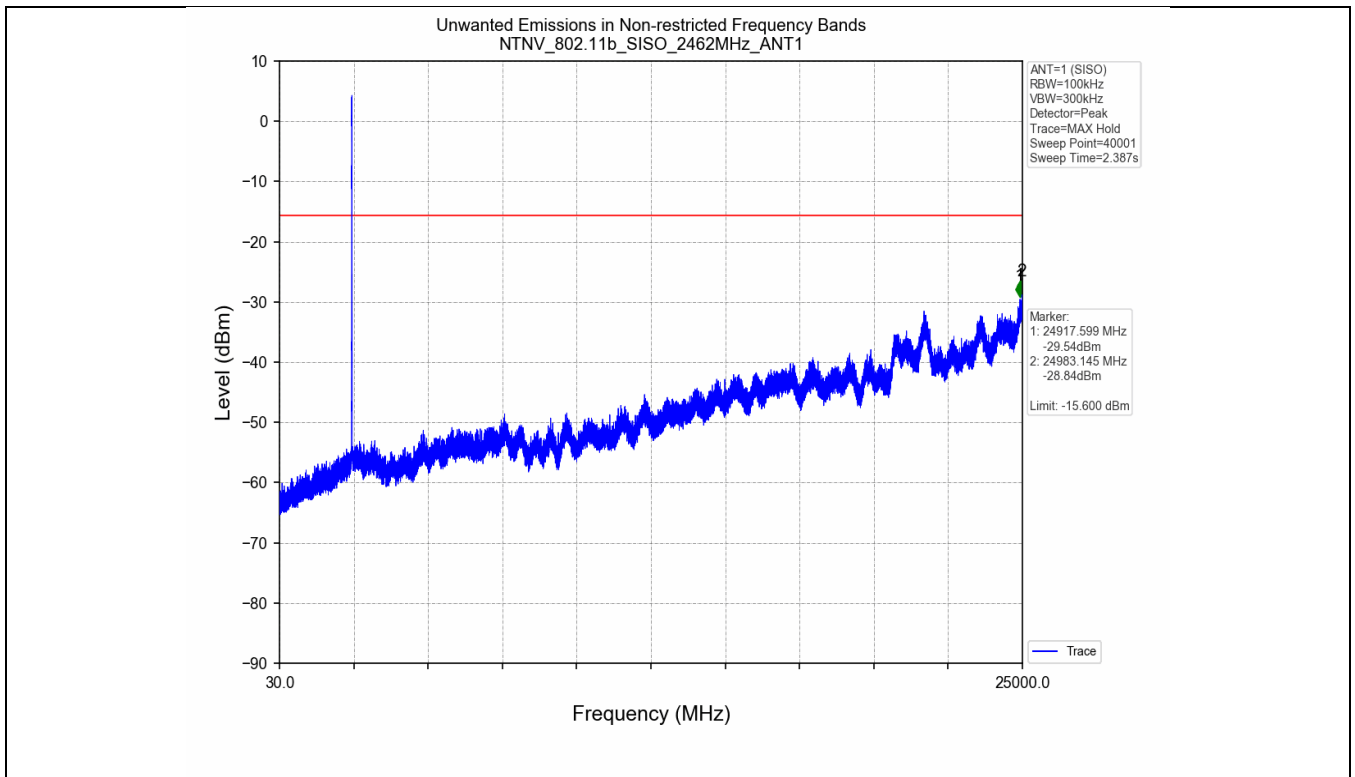
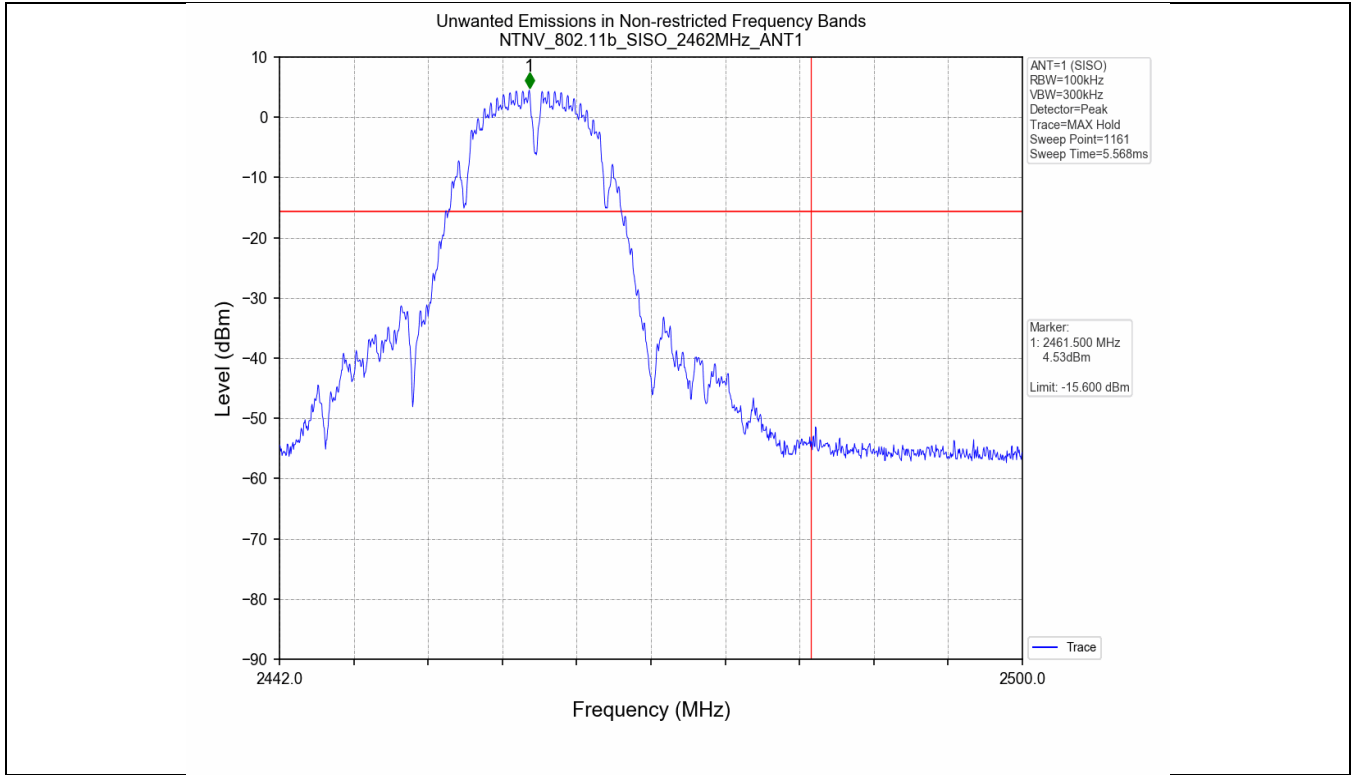
5.1 Test Result

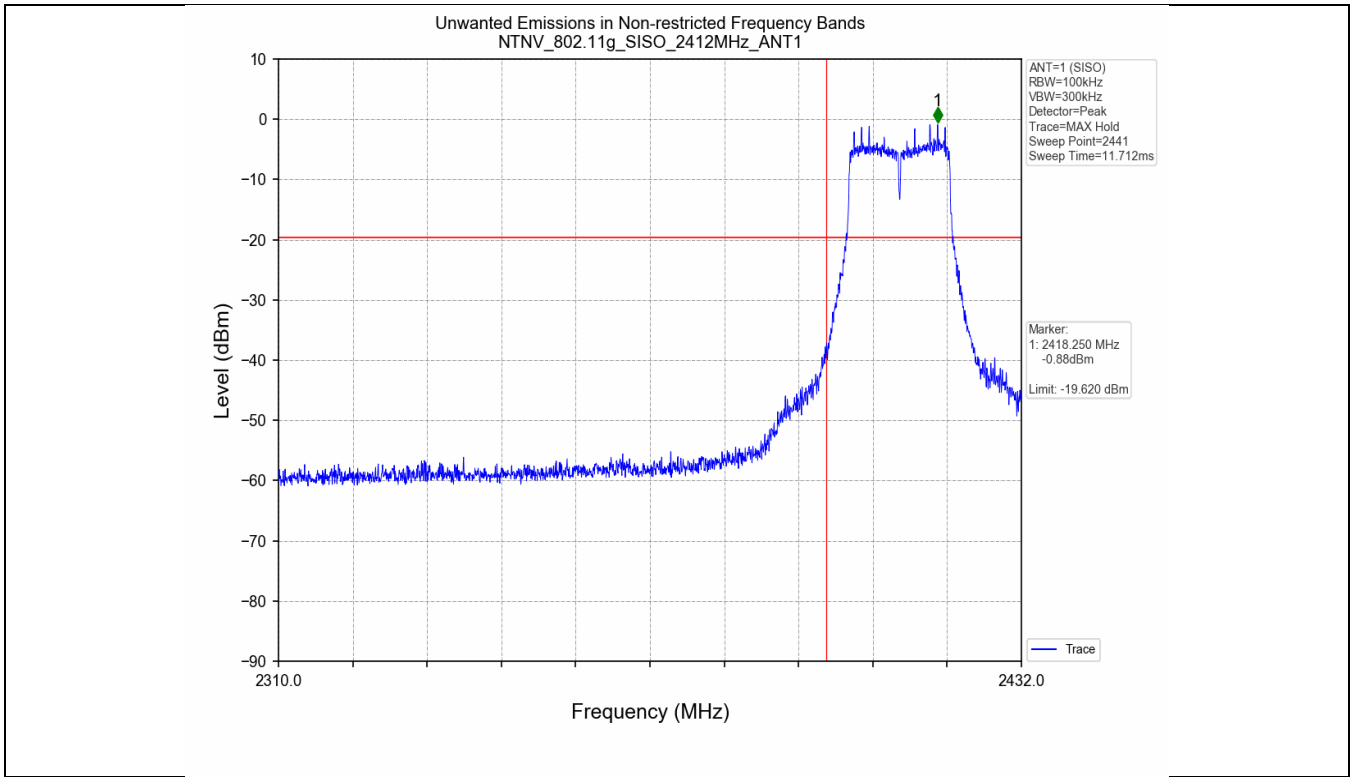
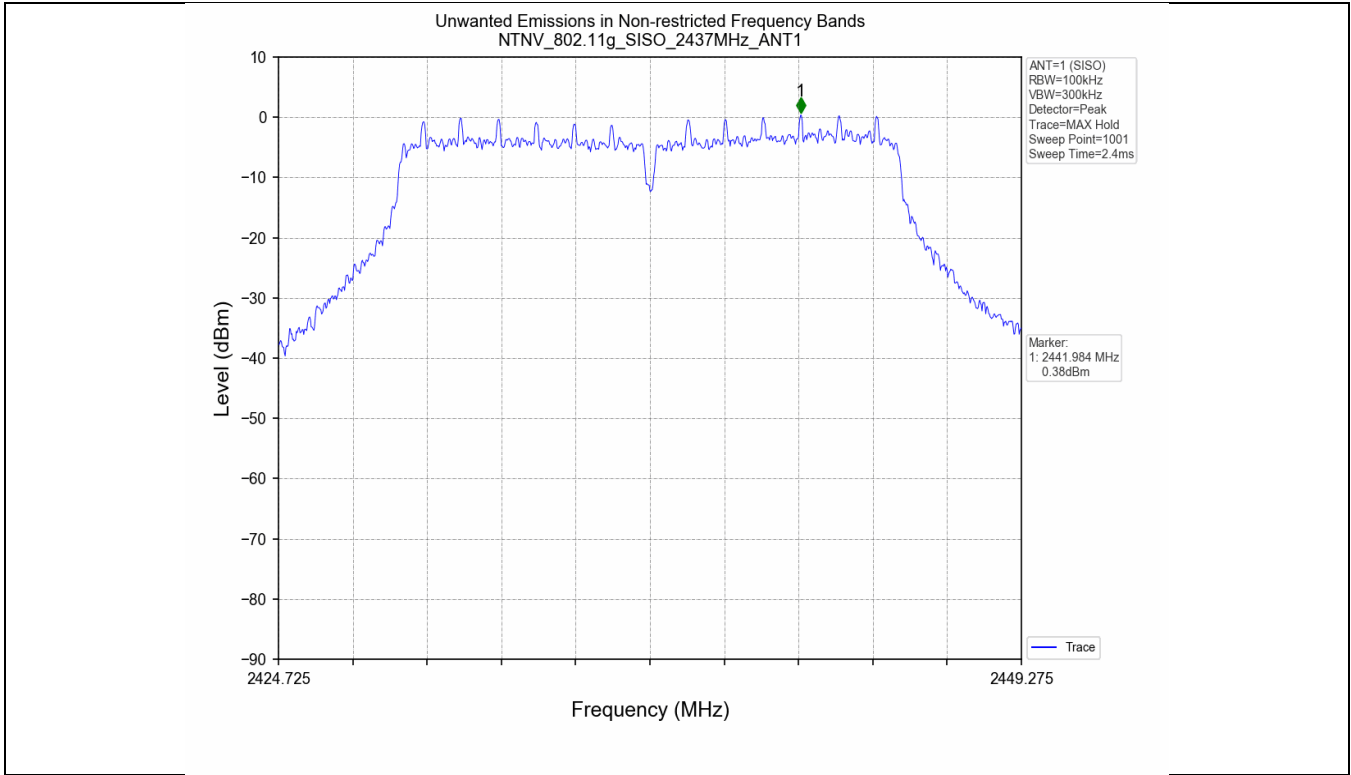
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-15.60	PASS
	2437	SISO	1	Refer to test graph	-15.60	PASS
	2462	SISO	1	Refer to test graph	-15.60	PASS
802.11g	2412	SISO	1	Refer to test graph	-19.62	PASS
	2437	SISO	1	Refer to test graph	-19.62	PASS
	2462	SISO	1	Refer to test graph	-19.62	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-19.69	PASS
	2437	SISO	1	Refer to test graph	-19.69	PASS
	2462	SISO	1	Refer to test graph	-19.69	PASS

5.2 Test Graph

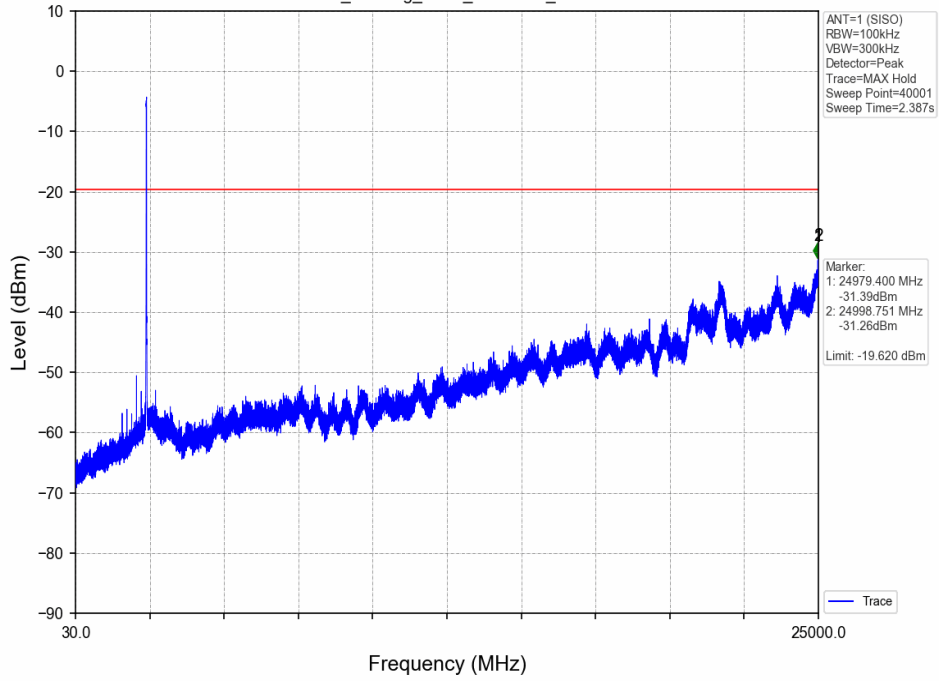








Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2412MHz_ANT1



Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2437MHz_ANT1

