

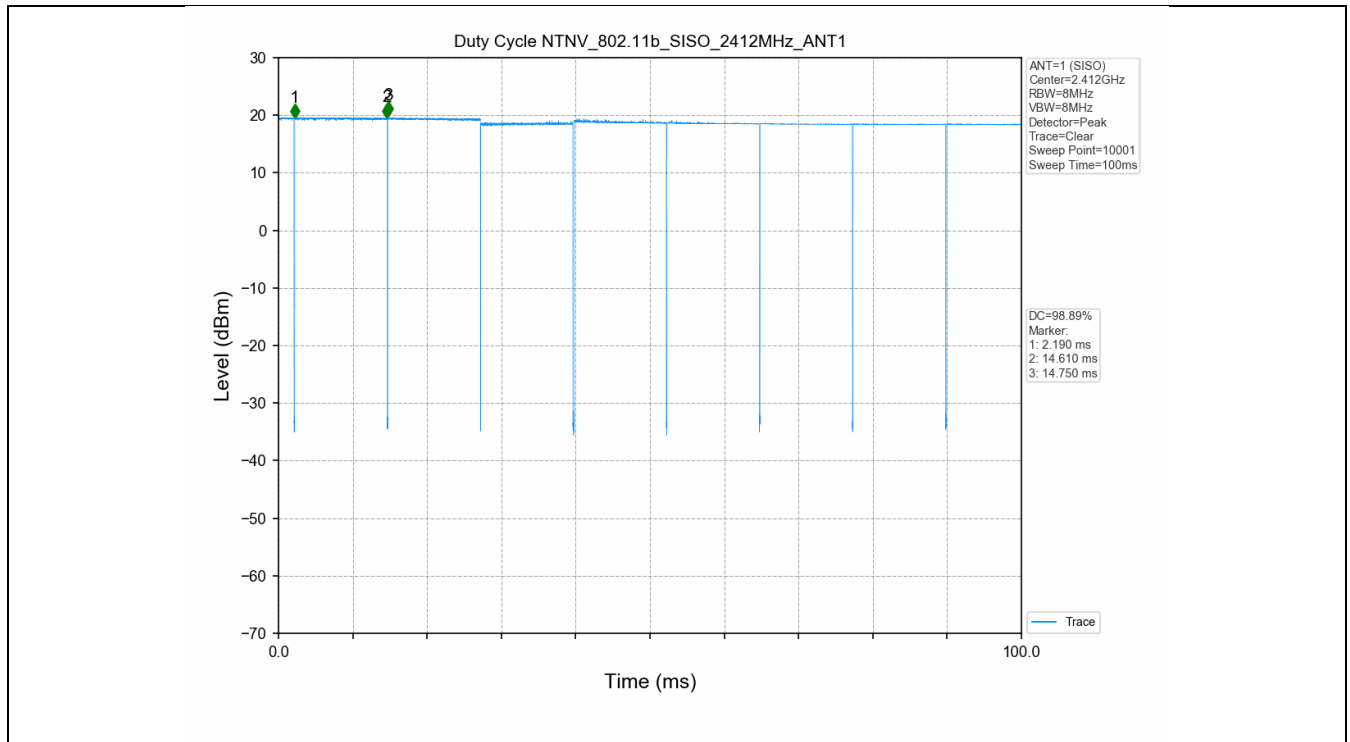
Appendix A for-SHEM200800684101

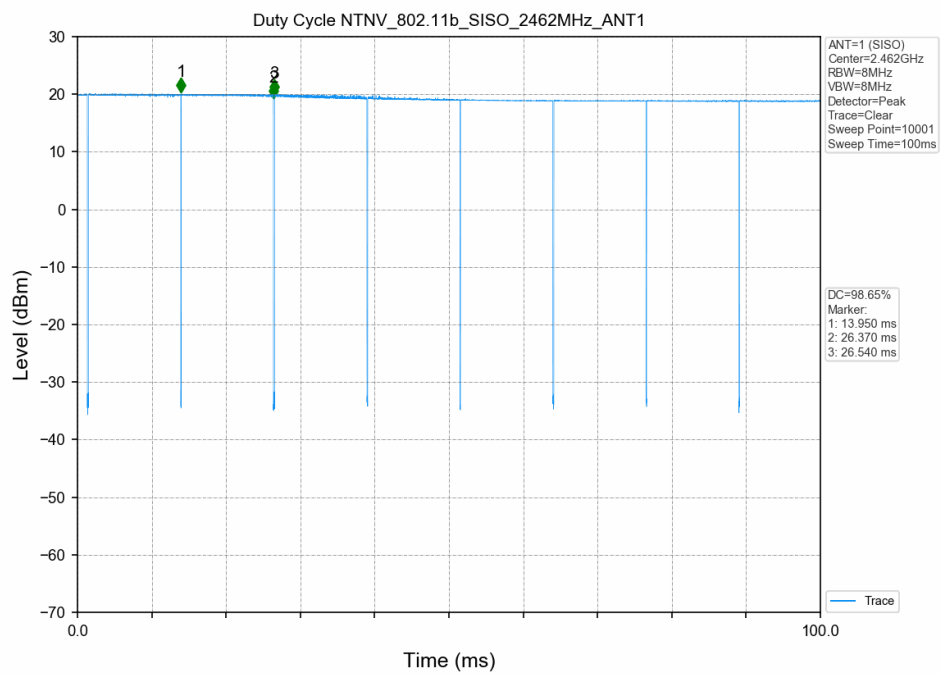
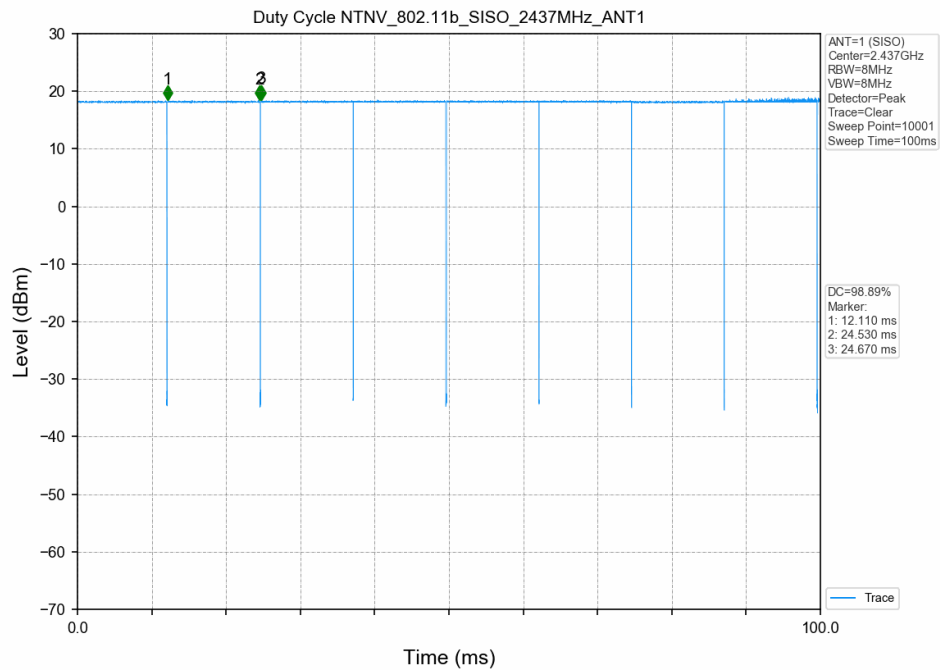
1. Duty Cycle

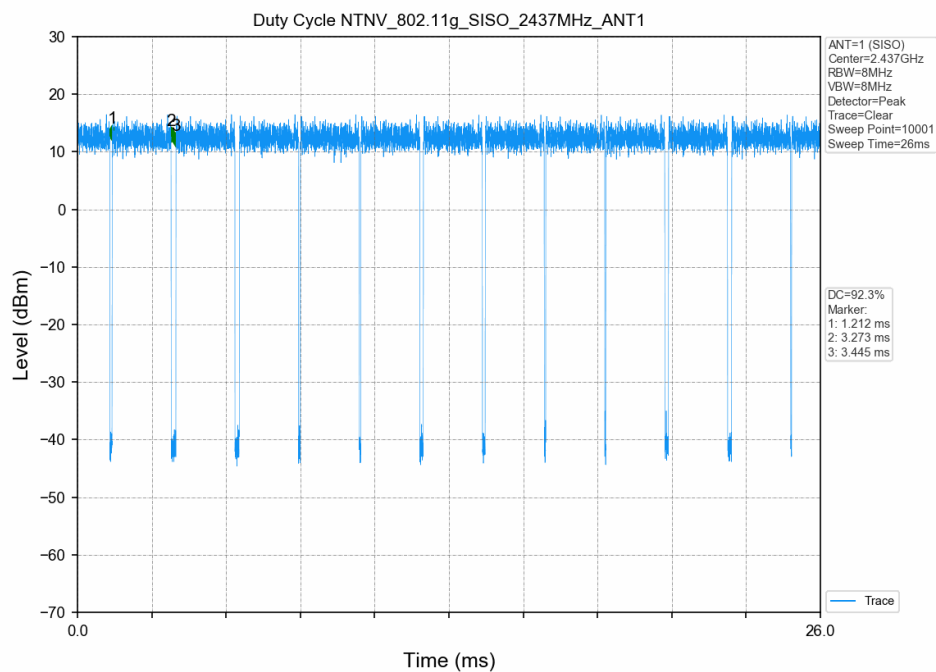
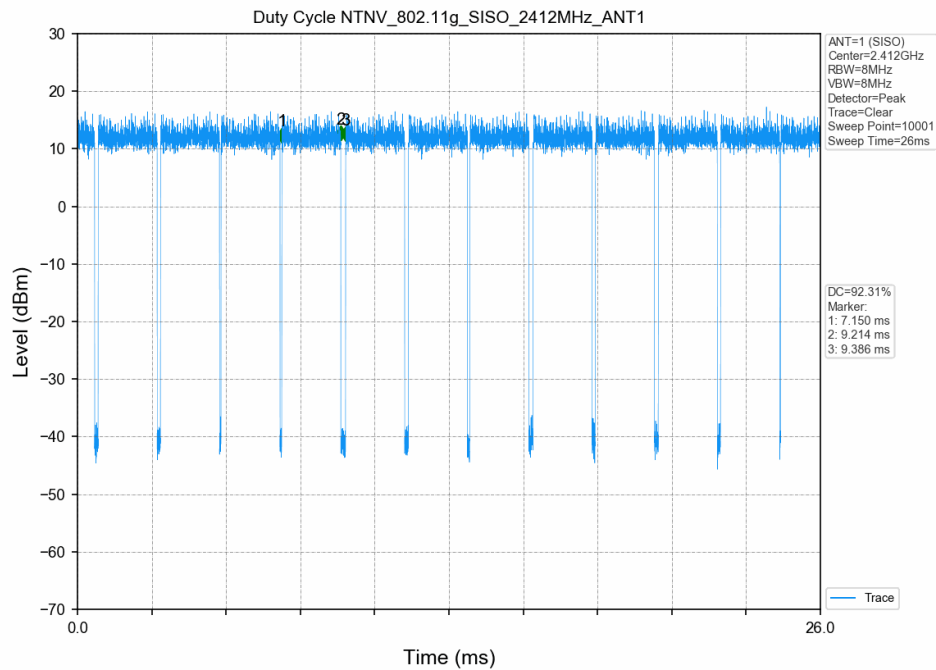
1.1 Test Result

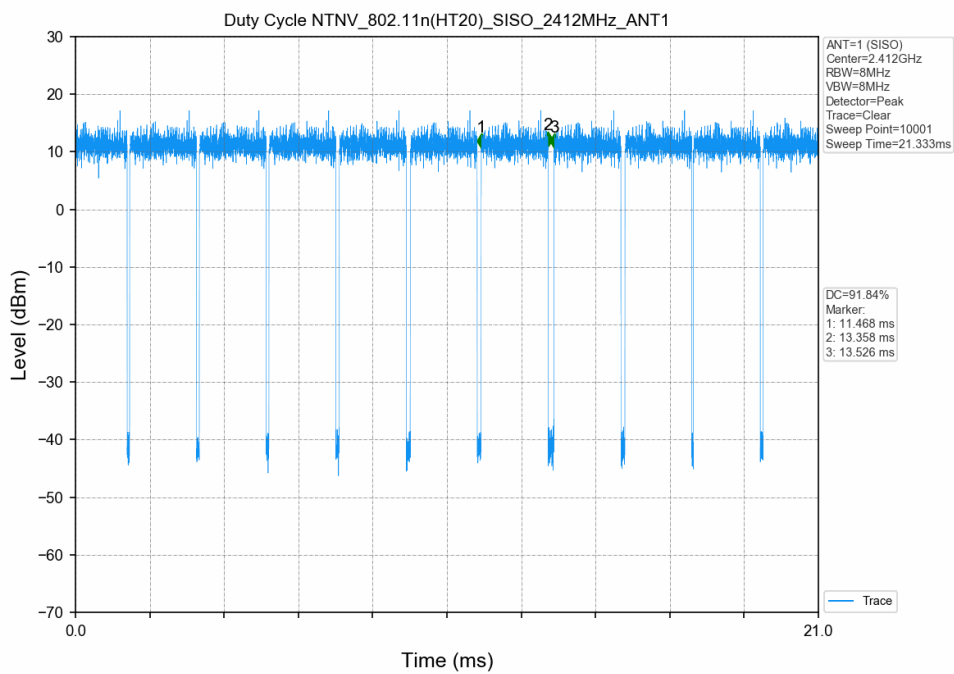
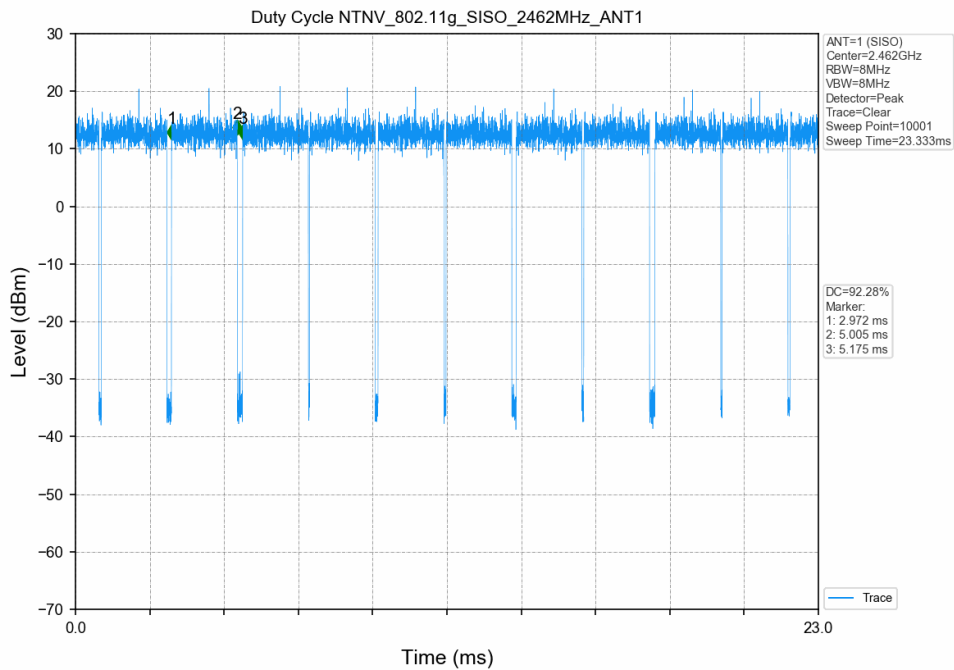
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	12.420	12.560	98.89	0.05
	2437	SISO	1	12.420	12.560	98.89	0.05
	2462	SISO	1	12.420	12.590	98.65	0.06
802.11g	2412	SISO	1	2.064	2.236	92.31	0.35
	2437	SISO	1	2.061	2.233	92.30	0.35
	2462	SISO	1	2.033	2.203	92.28	0.35
802.11n(HT20)	2412	SISO	1	1.890	2.058	91.84	0.37
	2437	SISO	1	1.898	2.058	92.23	0.35
	2462	SISO	1	1.919	2.090	91.82	0.37

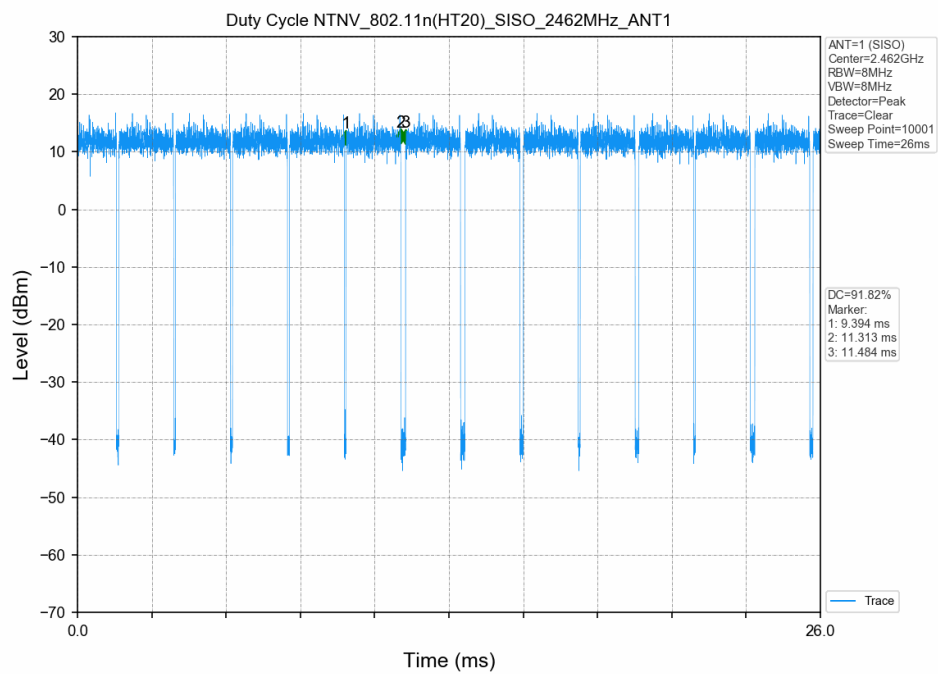
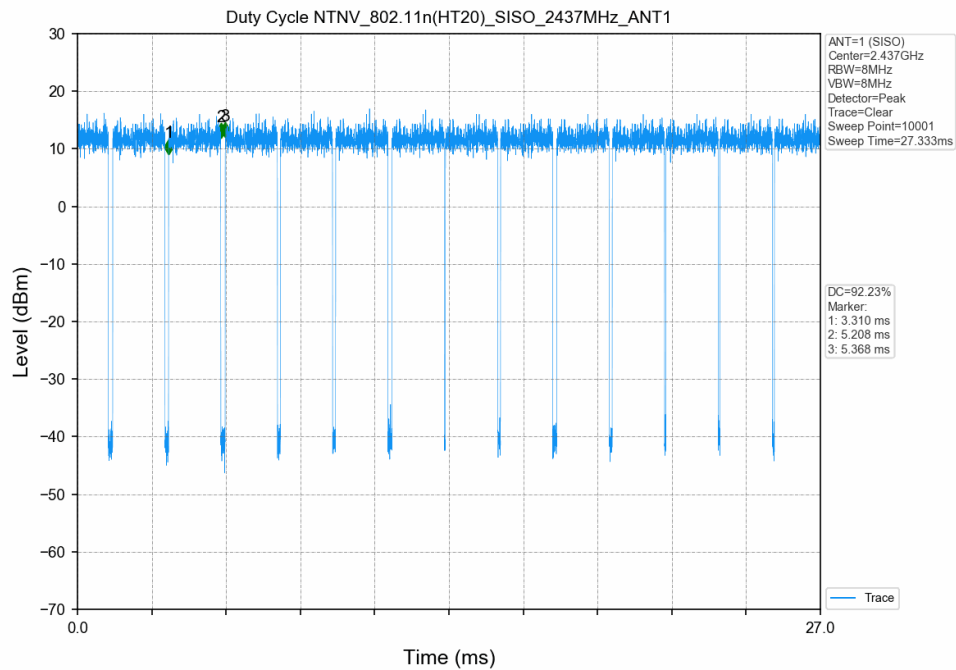
1.2 Test Graph











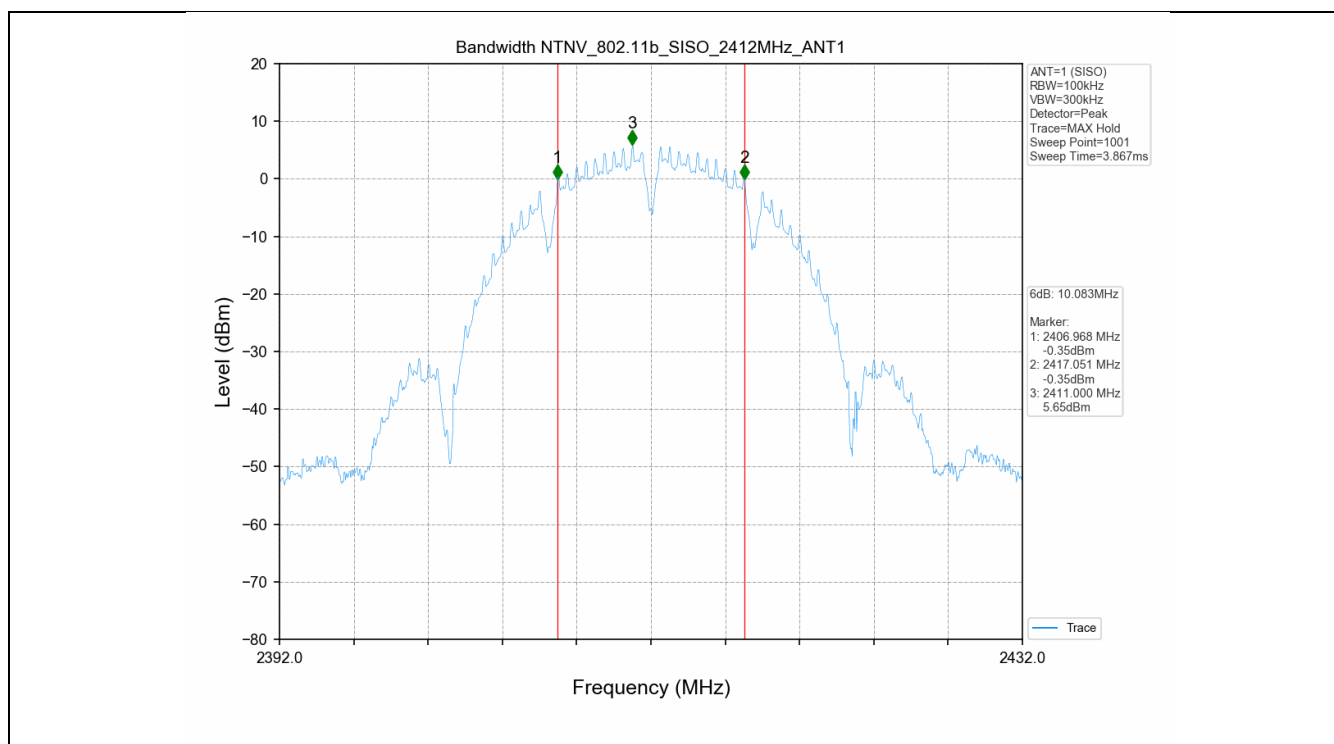
2. Bandwidth

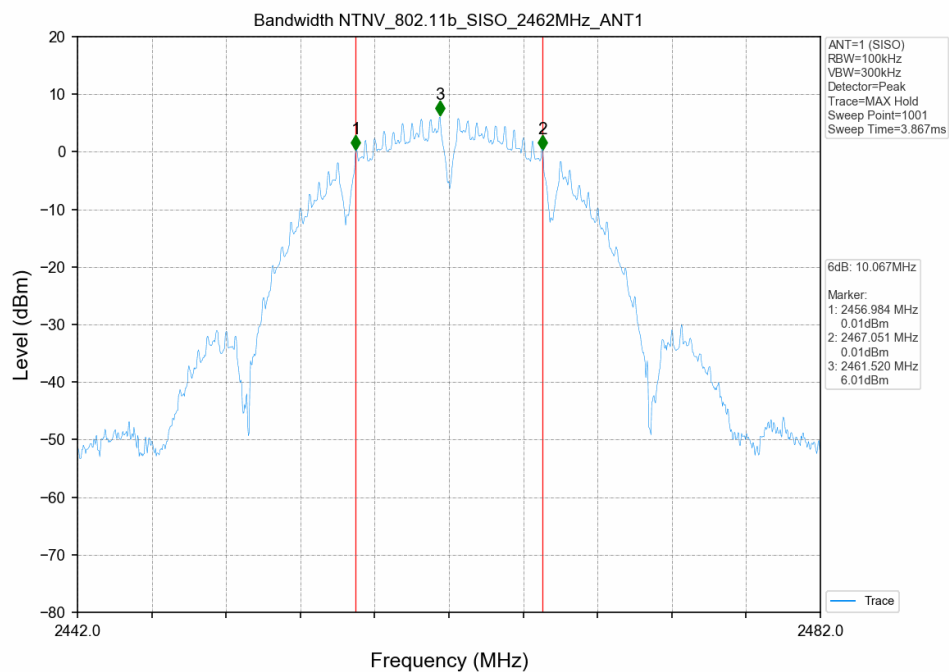
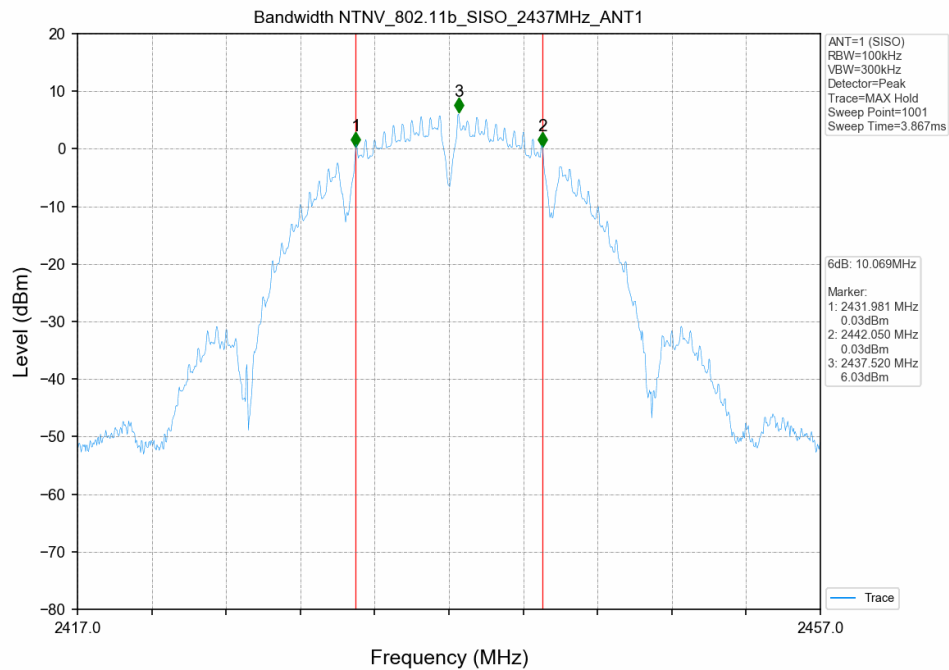
2.1 Test Result

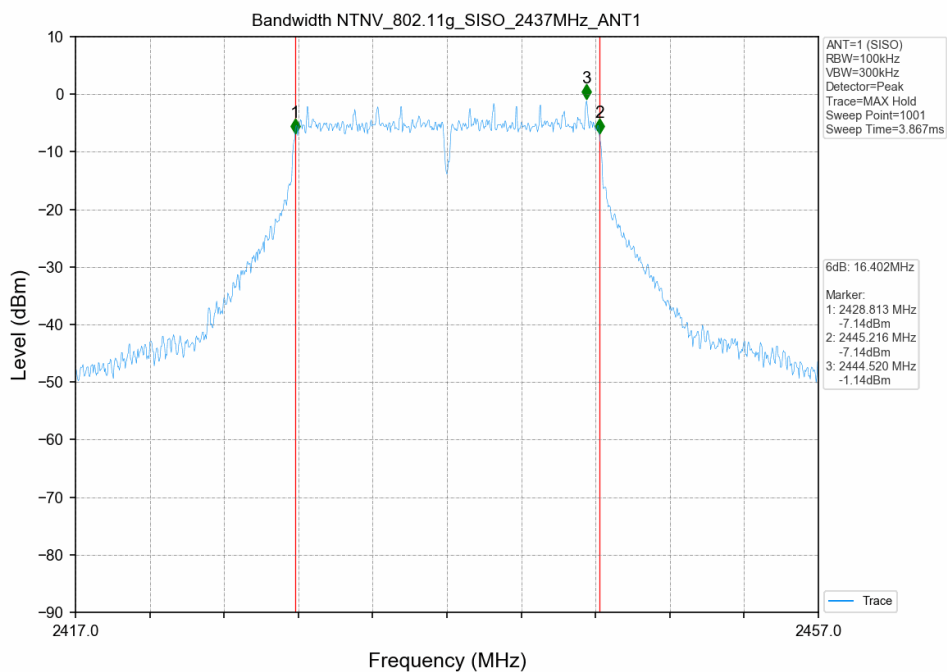
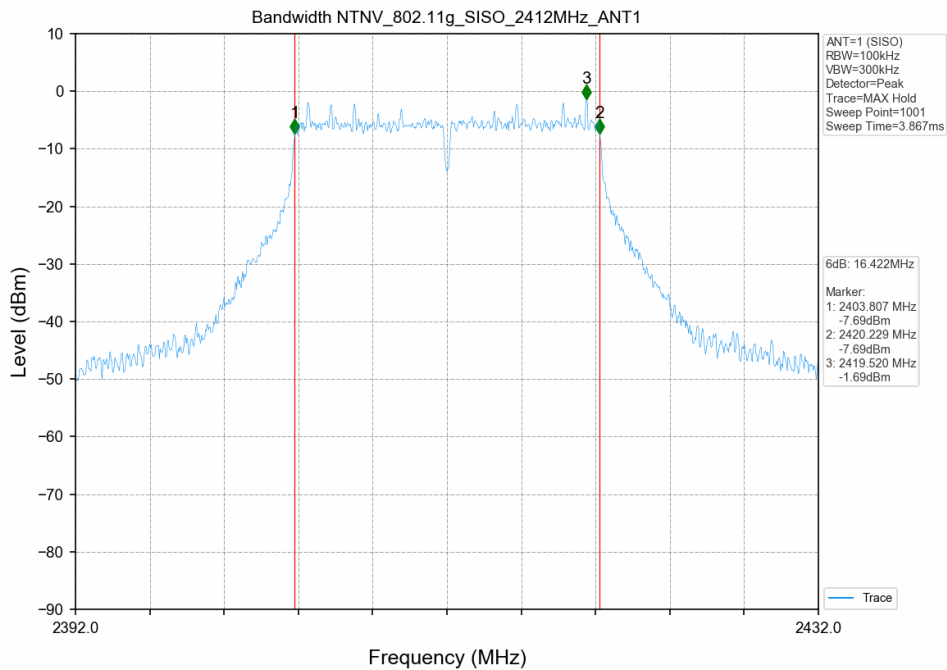
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	10.083	≥ 0.5	PASS
	2437	SISO	1	10.069	≥ 0.5	PASS
	2462	SISO	1	10.067	≥ 0.5	PASS
802.11g	2412	SISO	1	16.422	≥ 0.5	PASS
	2437	SISO	1	16.402	≥ 0.5	PASS
	2462	SISO	1	16.423	≥ 0.5	PASS
802.11n(HT20)	2412	SISO	1	17.606	≥ 0.5	PASS
	2437	SISO	1	17.621	≥ 0.5	PASS
	2462	SISO	1	17.615	≥ 0.5	PASS

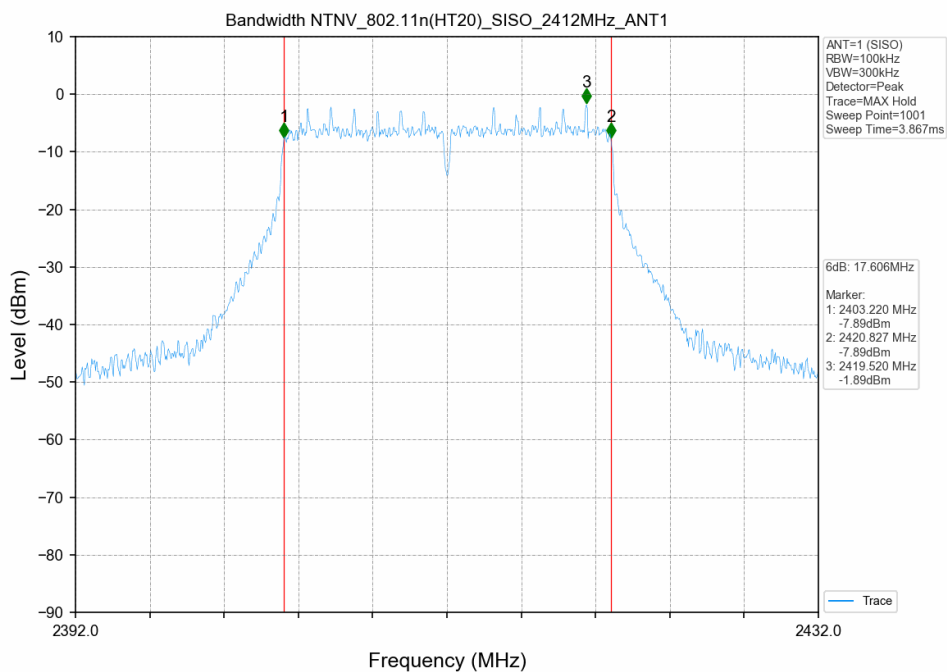
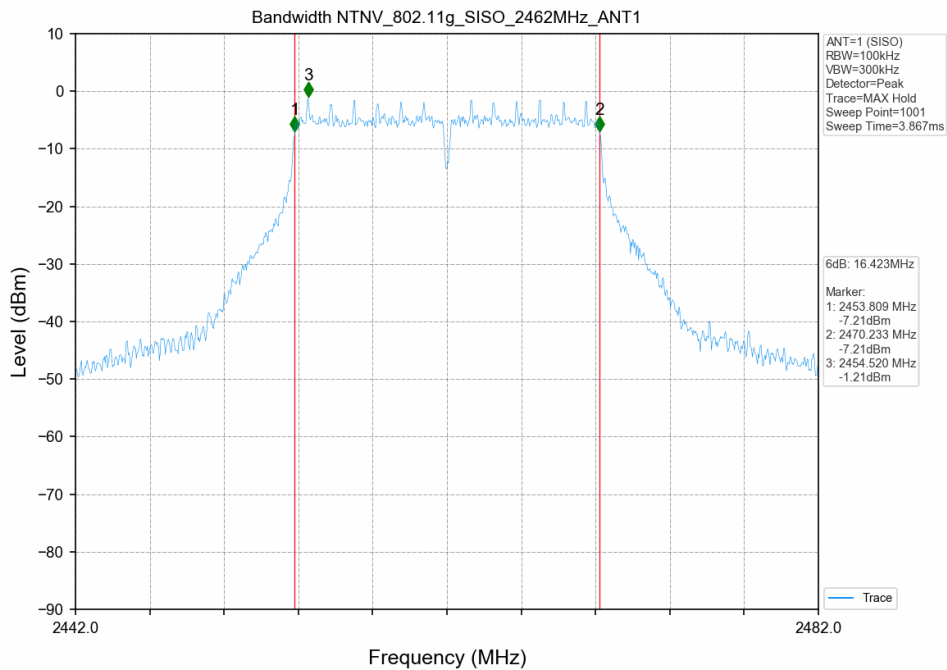
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	15.076	Only for Report Use
	2437	SISO	1	15.079	Only for Report Use
	2462	SISO	1	15.079	Only for Report Use
802.11g	2412	SISO	1	17.064	Only for Report Use
	2437	SISO	1	17.014	Only for Report Use
	2462	SISO	1	17.023	Only for Report Use
802.11n(HT20)	2412	SISO	1	18.038	Only for Report Use
	2437	SISO	1	18.090	Only for Report Use
	2462	SISO	1	18.062	Only for Report Use

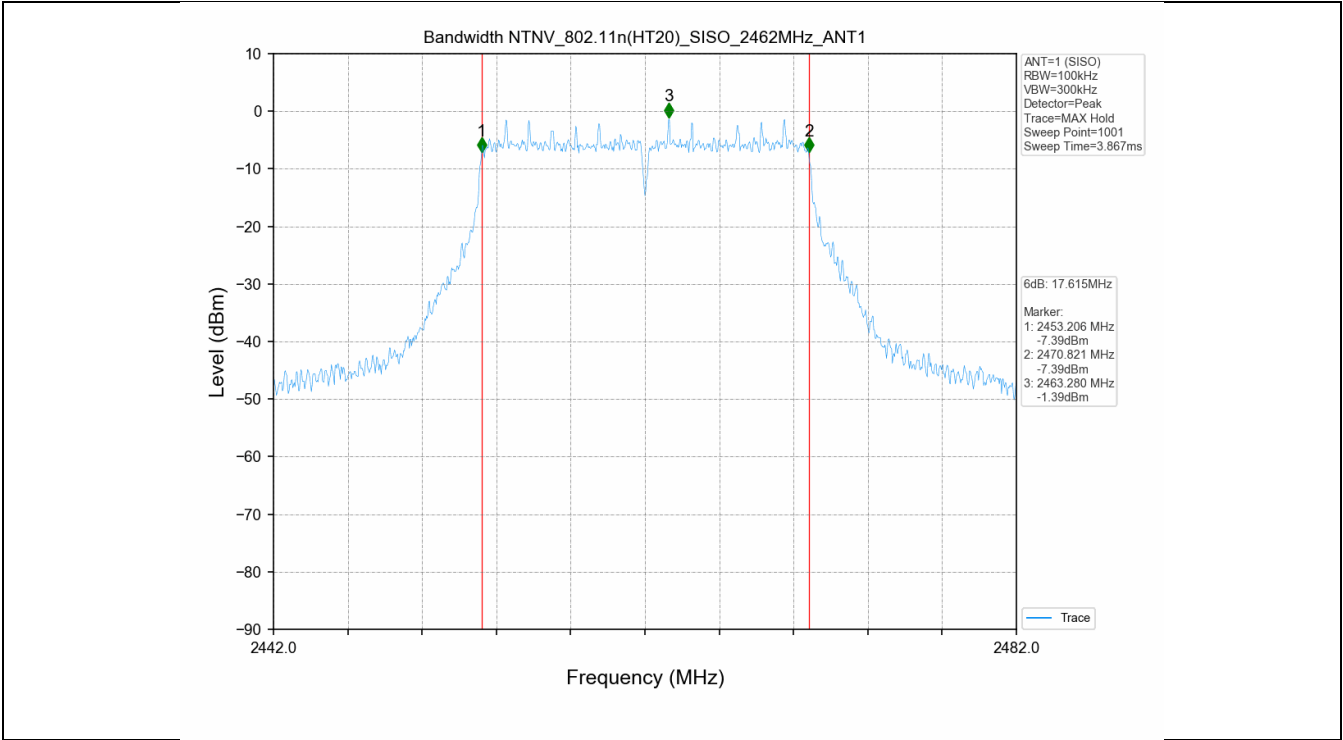
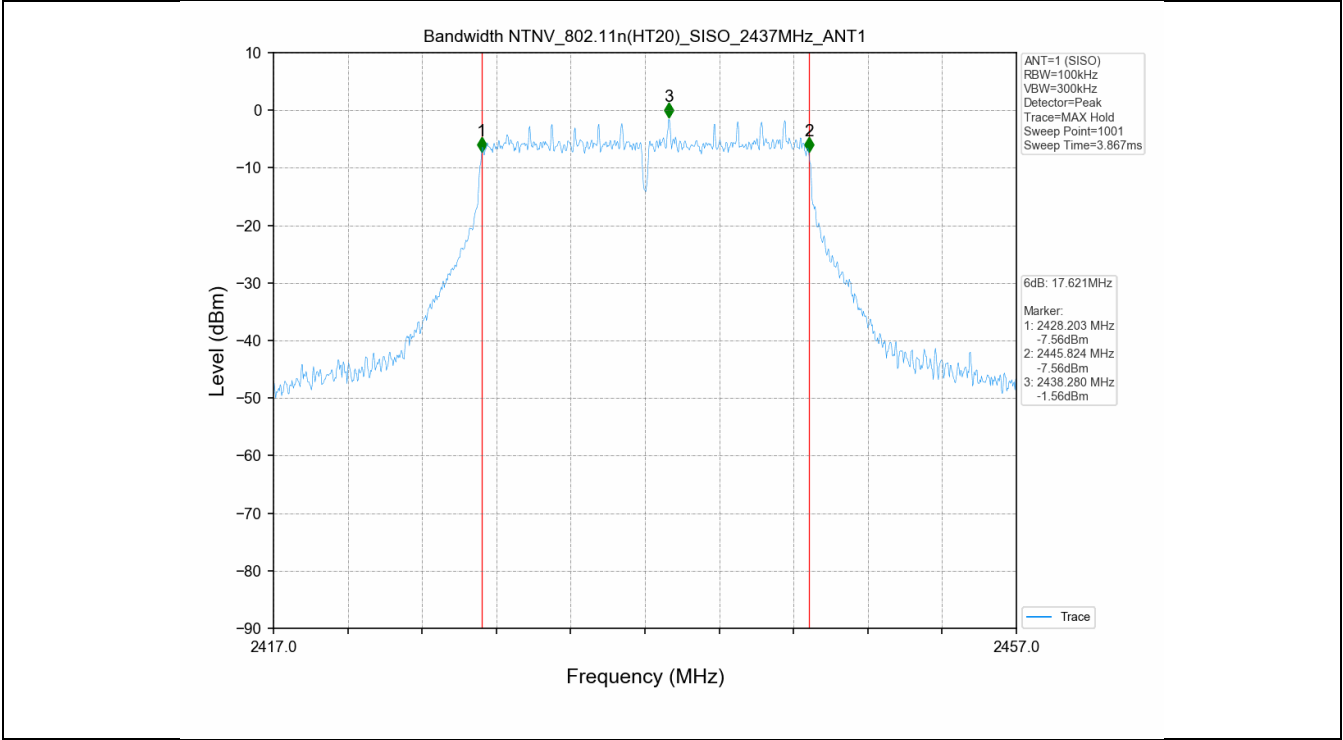
2.2 Test Graph - 6dB Bandwidth



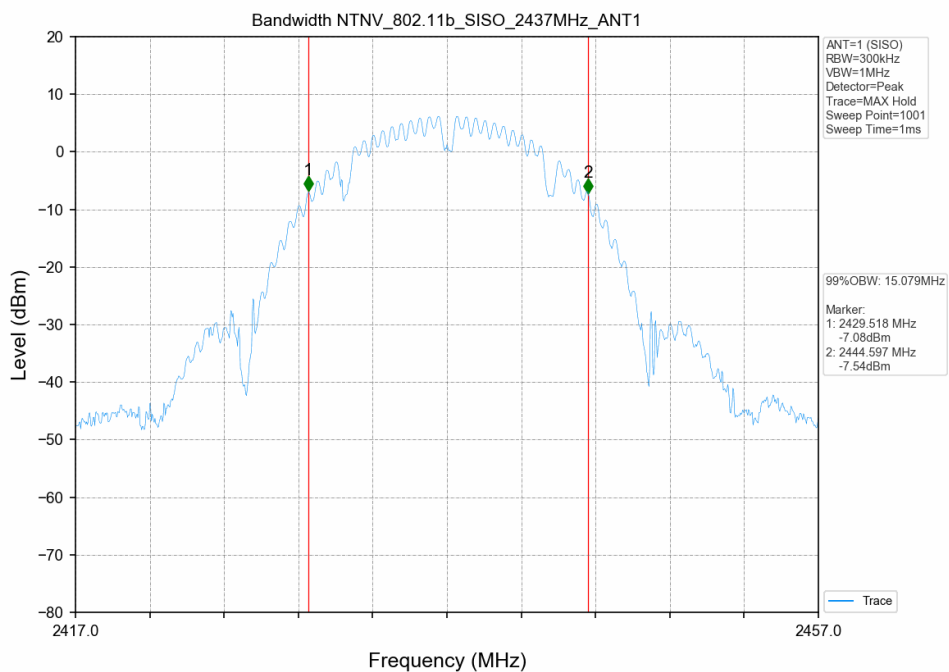
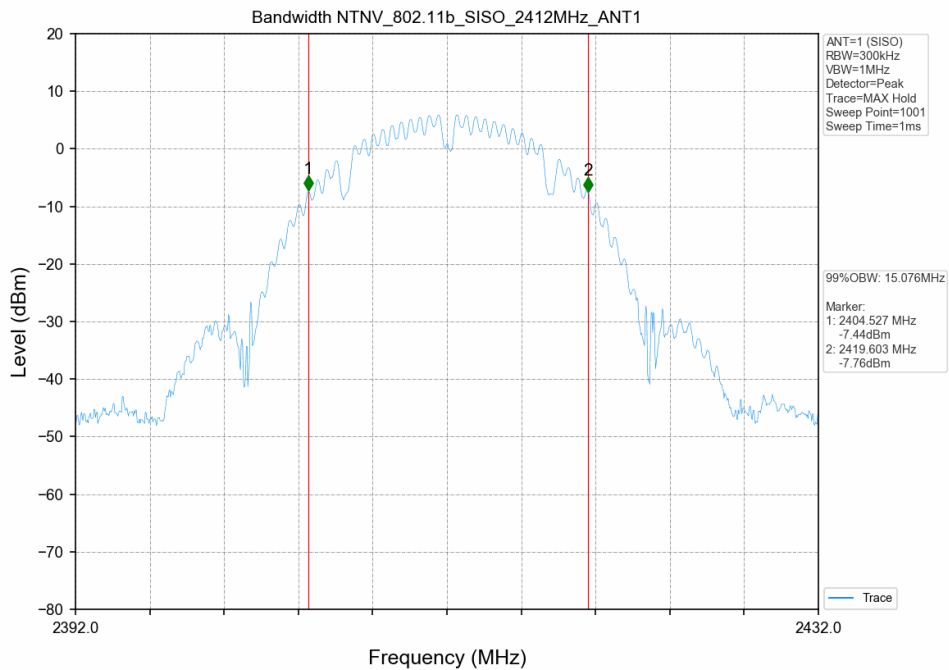


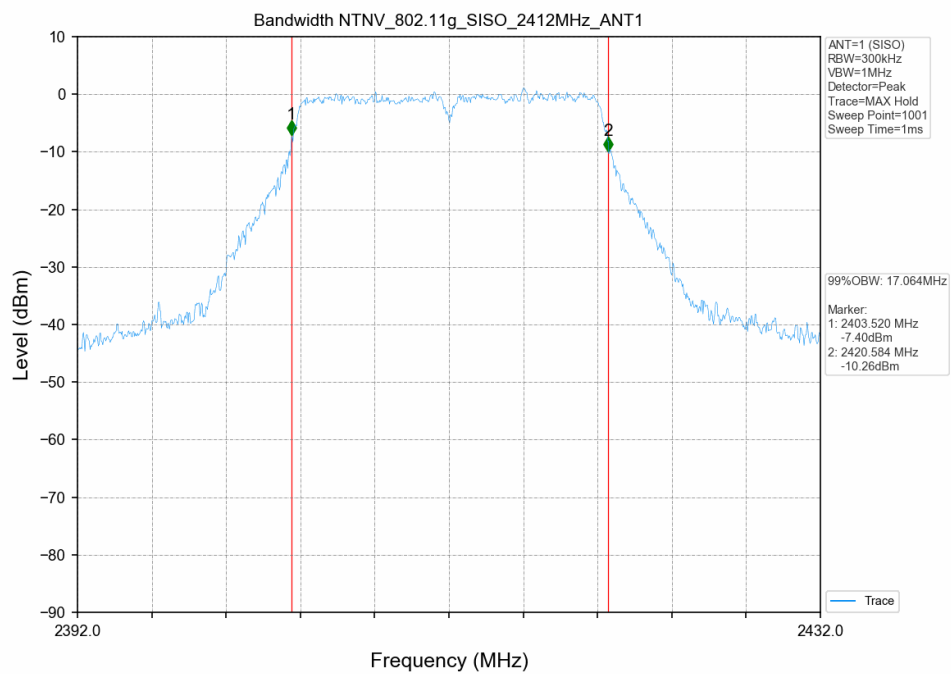
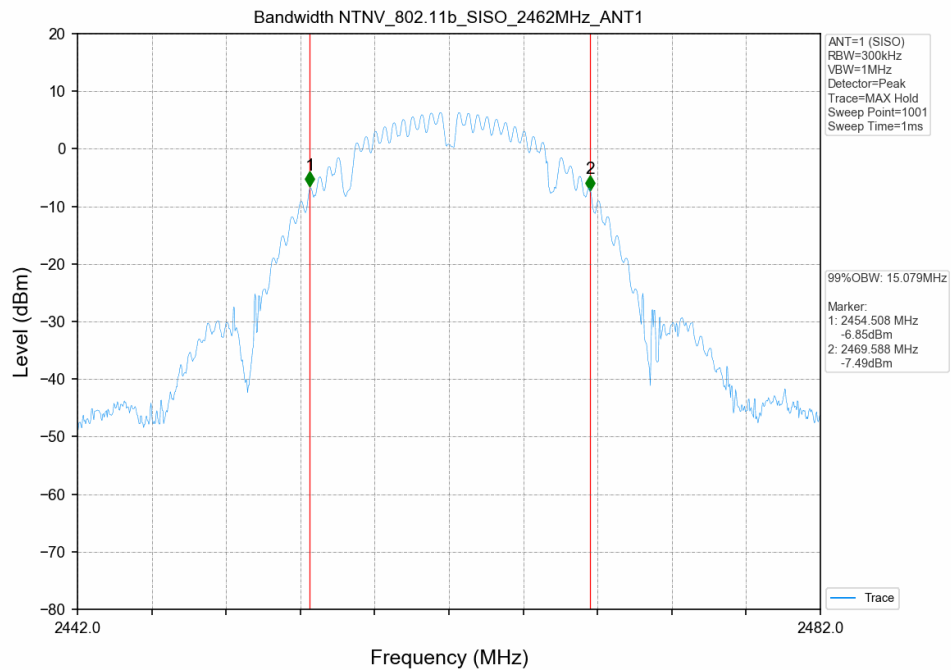


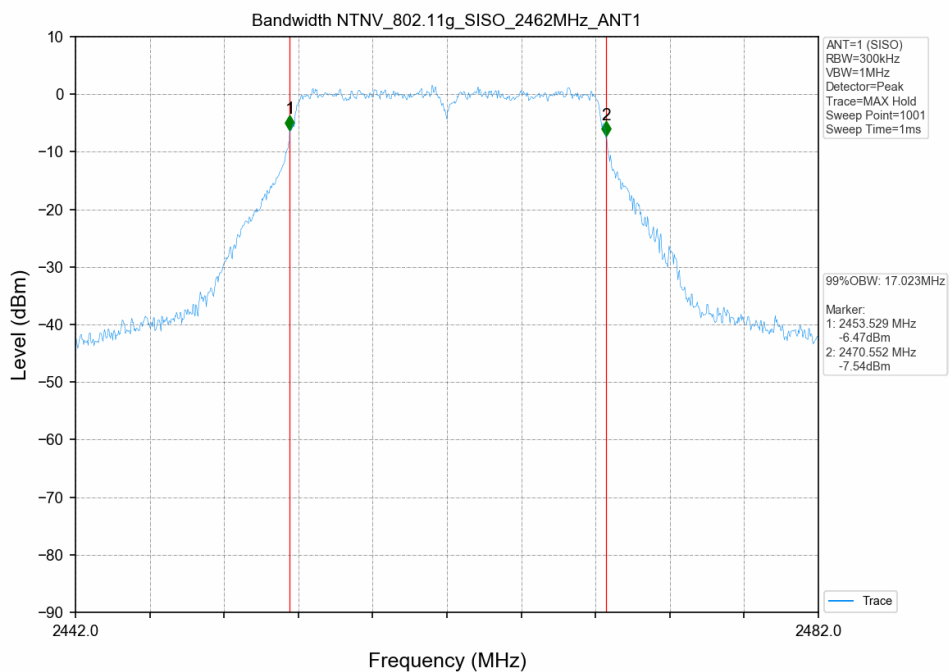
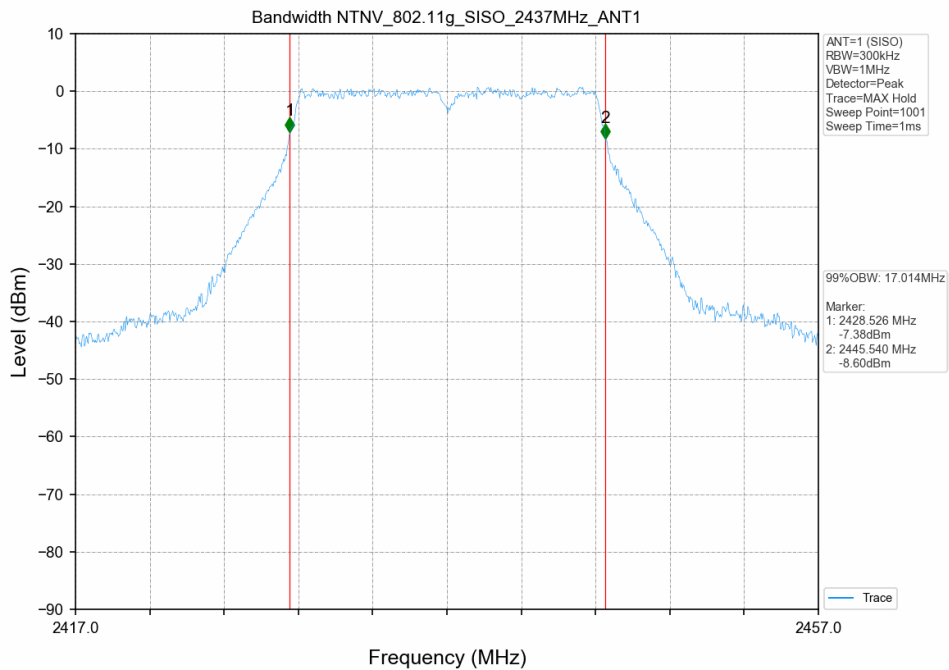


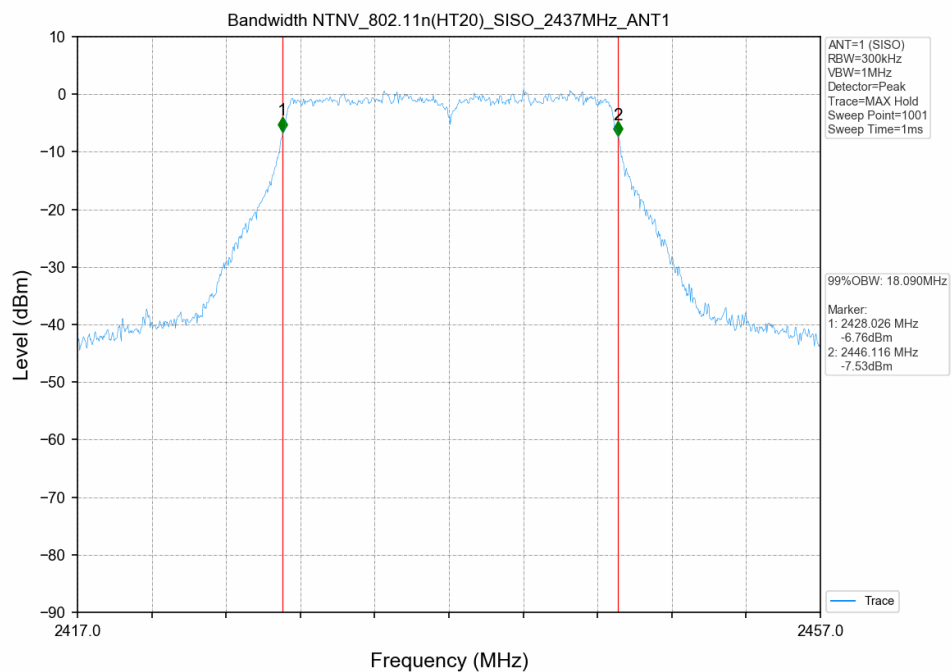
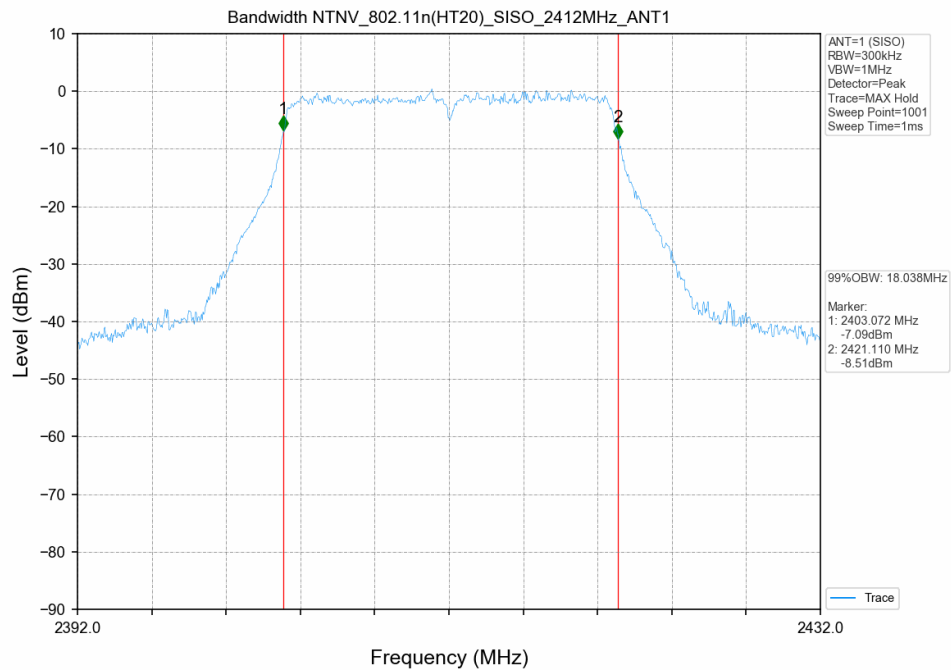


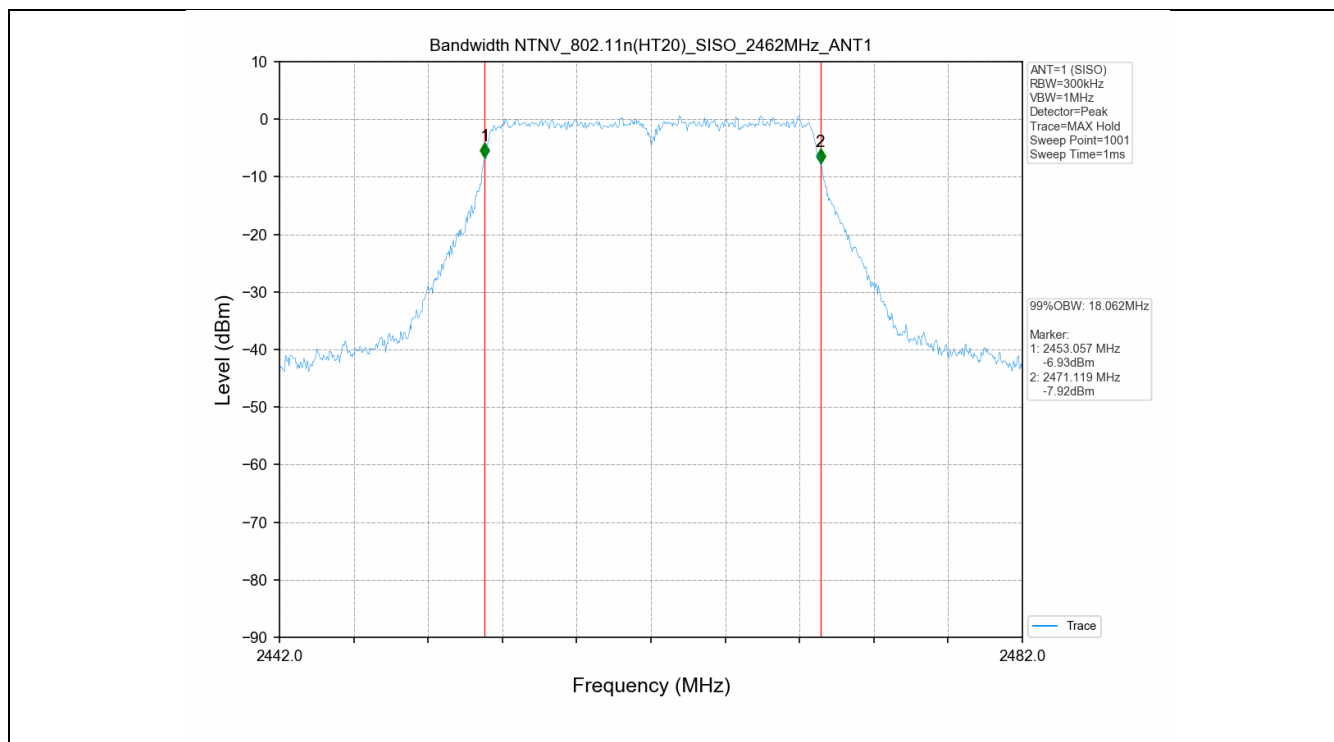
2.3 Test Graph - 99% Occupied Bandwidth









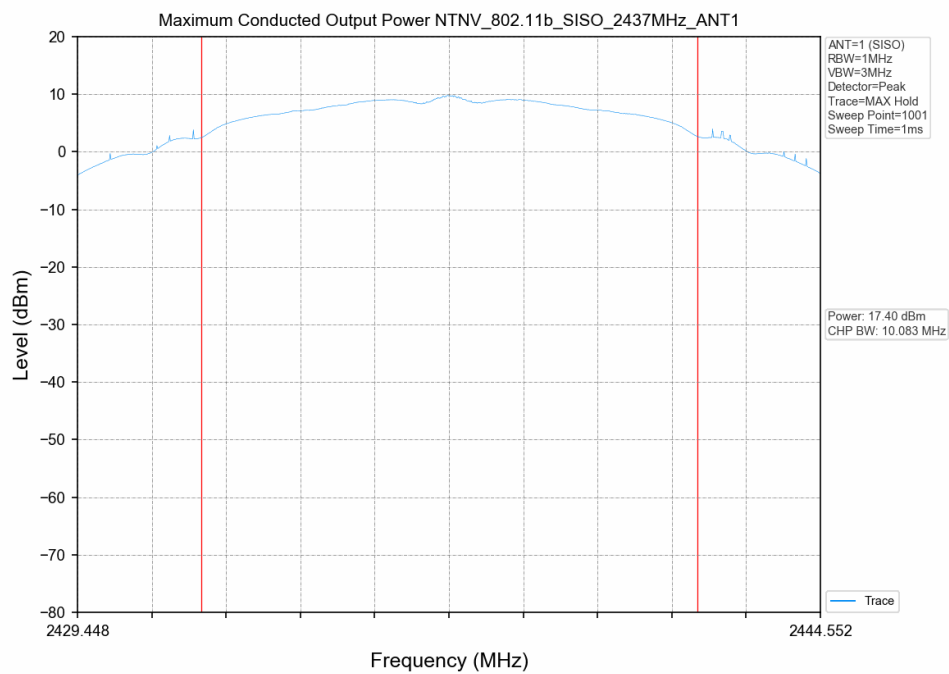
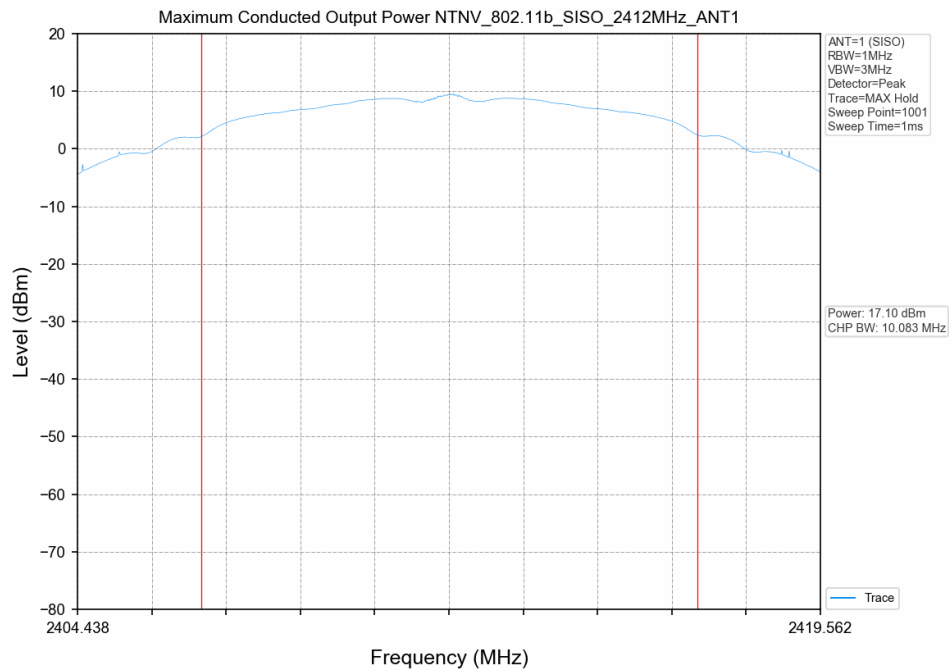


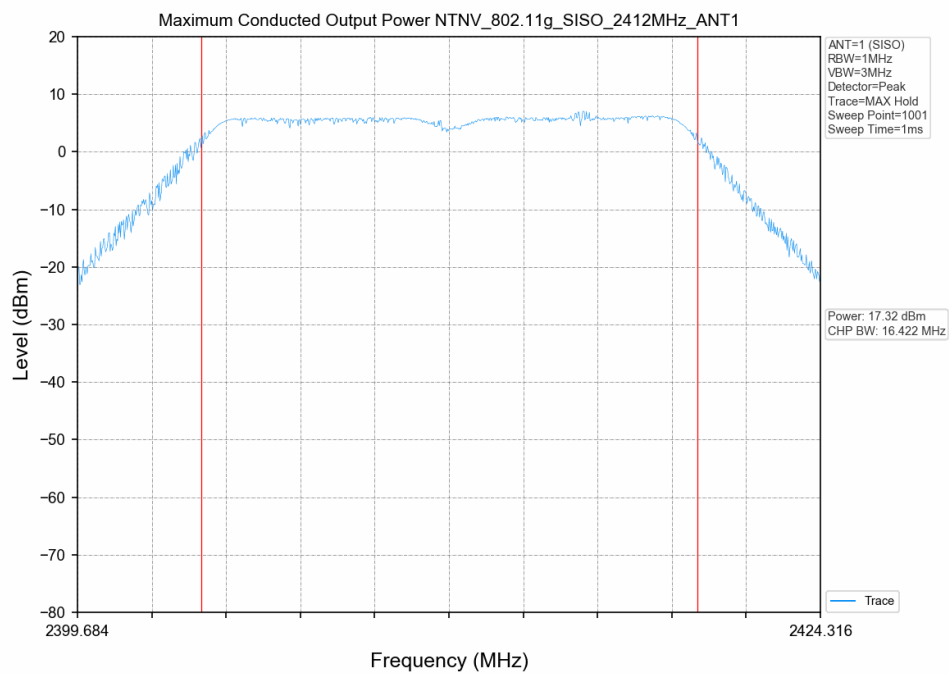
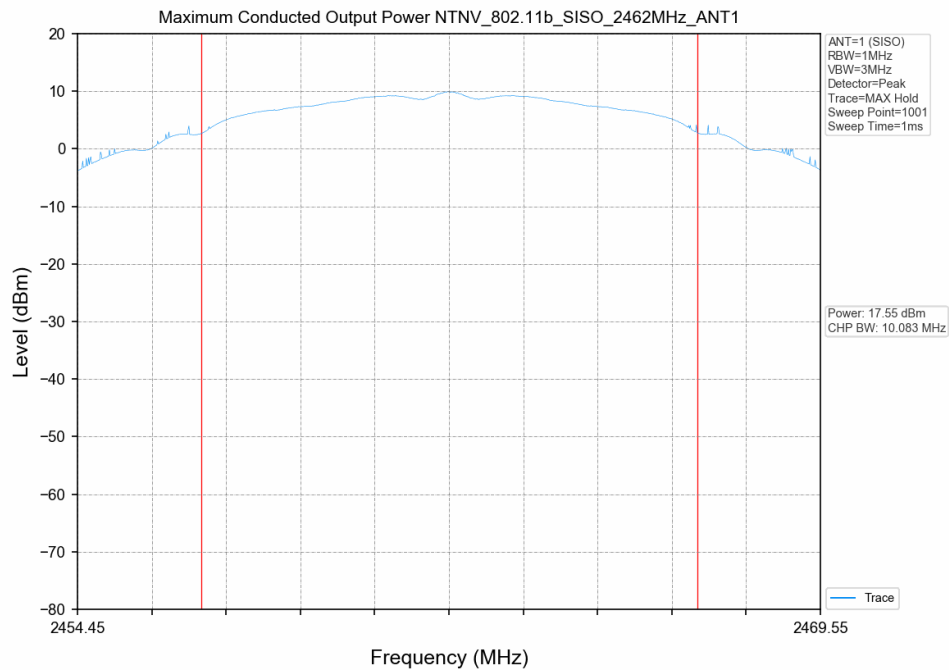
3. Maximum Conducted Output Power

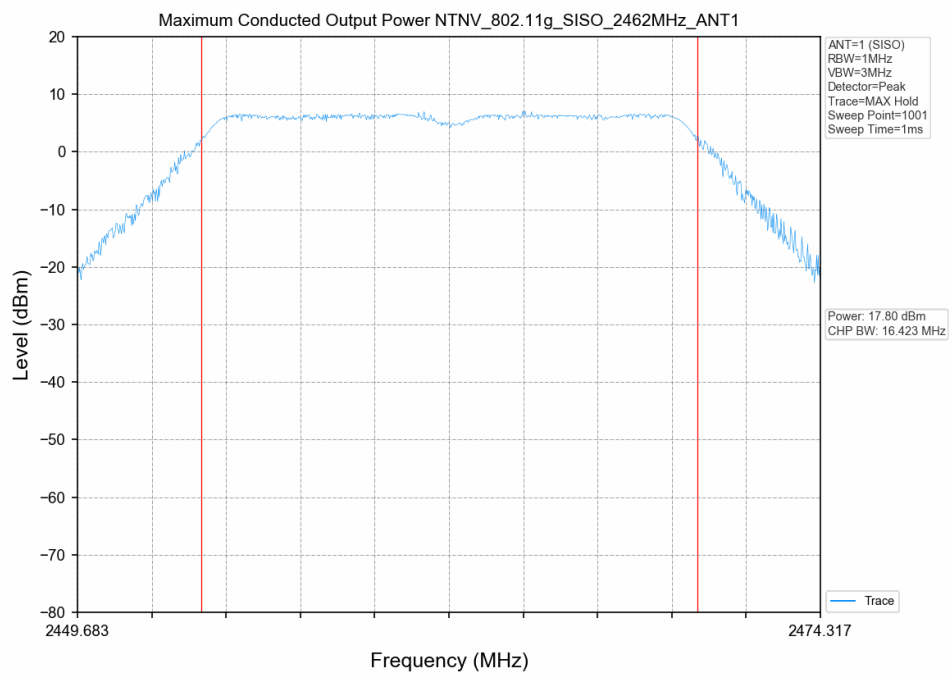
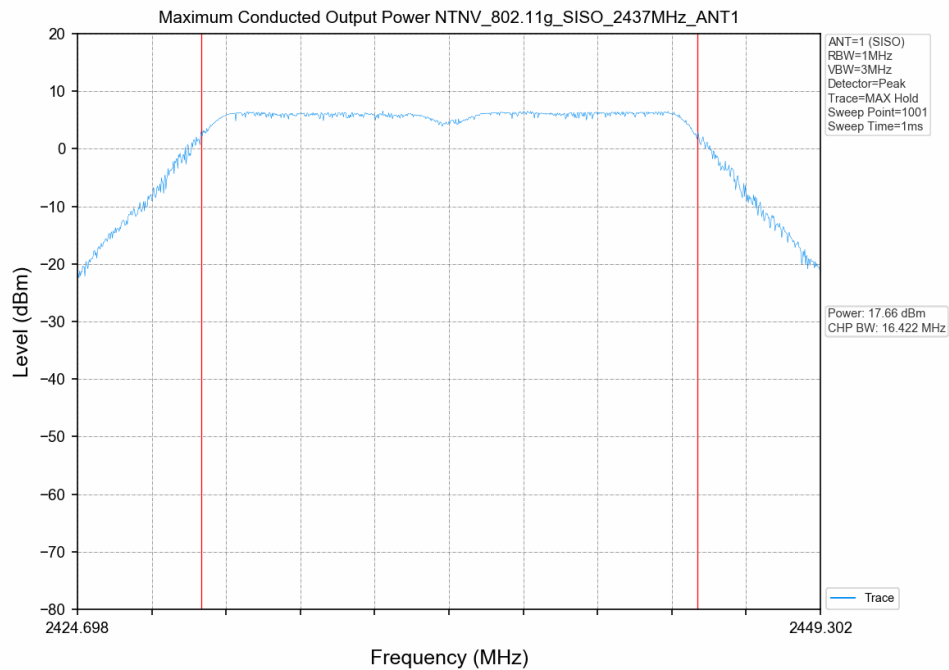
3.1 Test Result

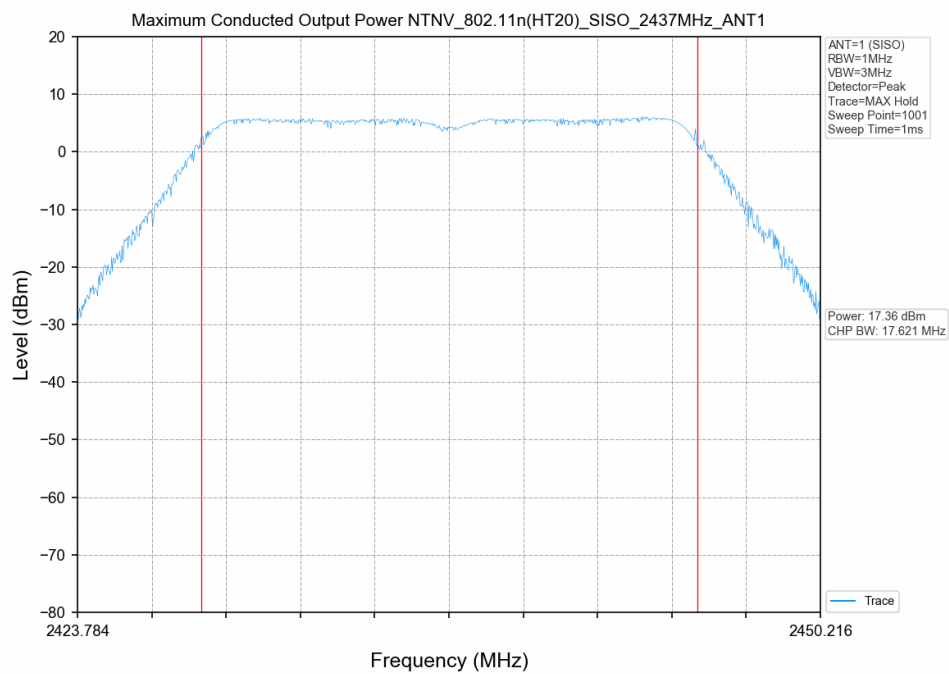
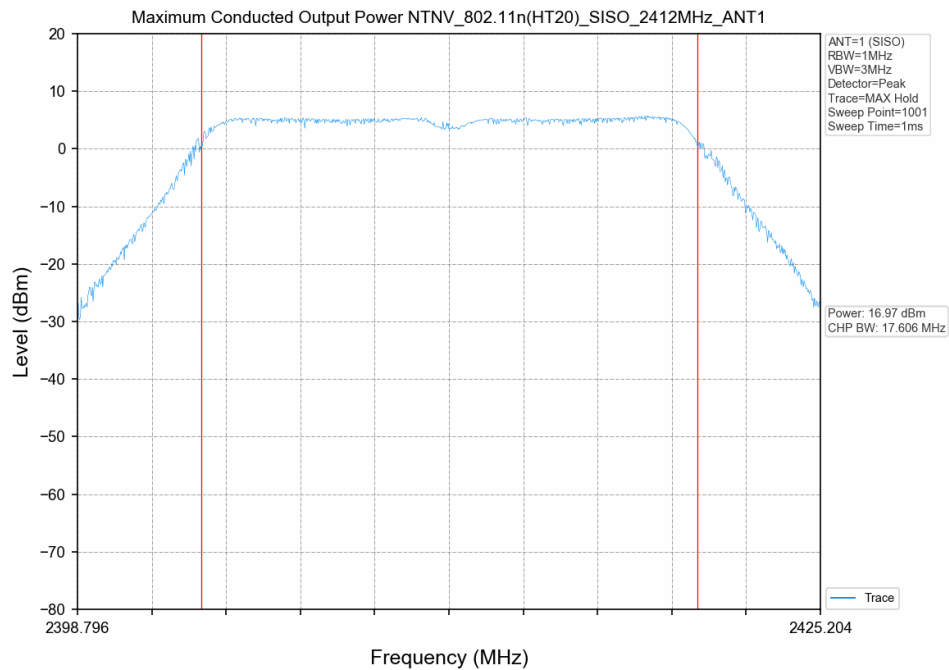
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	17.10	30	PASS
	2437	SISO	17.40	30	PASS
	2462	SISO	17.55	30	PASS
802.11g	2412	SISO	17.32	30	PASS
	2437	SISO	17.66	30	PASS
	2462	SISO	17.80	30	PASS
802.11n(HT20)	2412	SISO	16.97	30	PASS
	2437	SISO	17.36	30	PASS
	2462	SISO	17.66	30	PASS

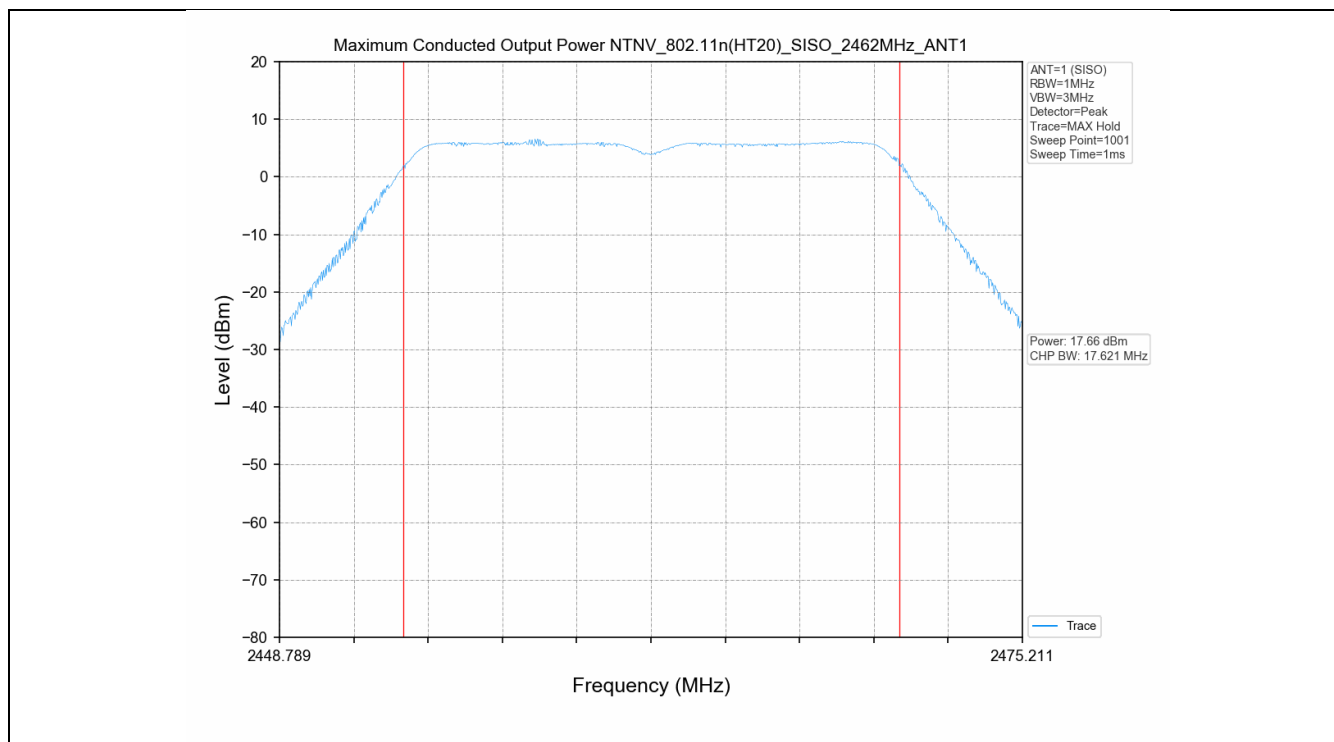
3.2 Test Graph









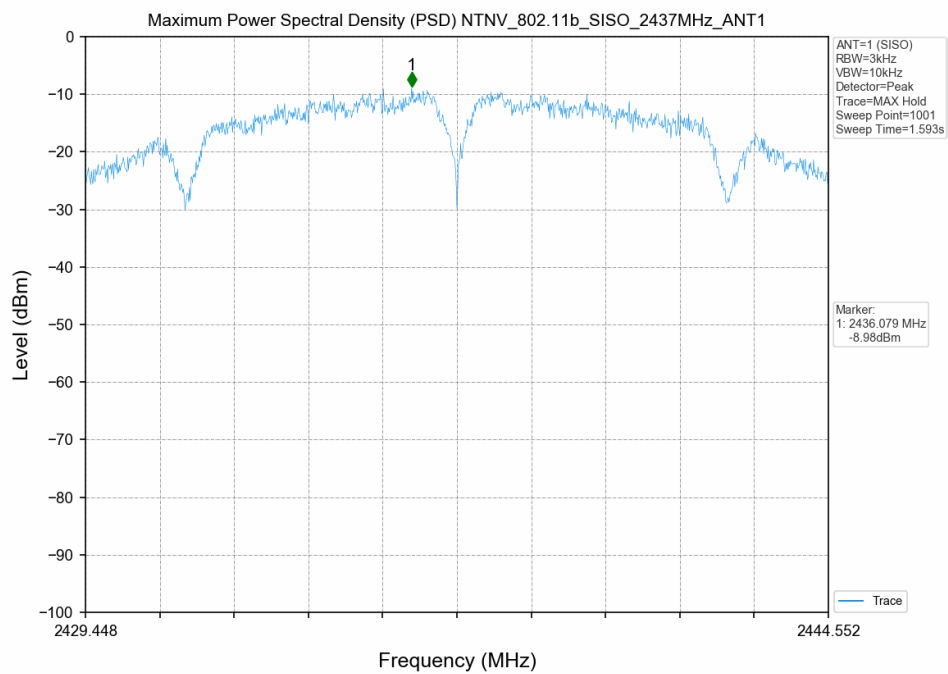
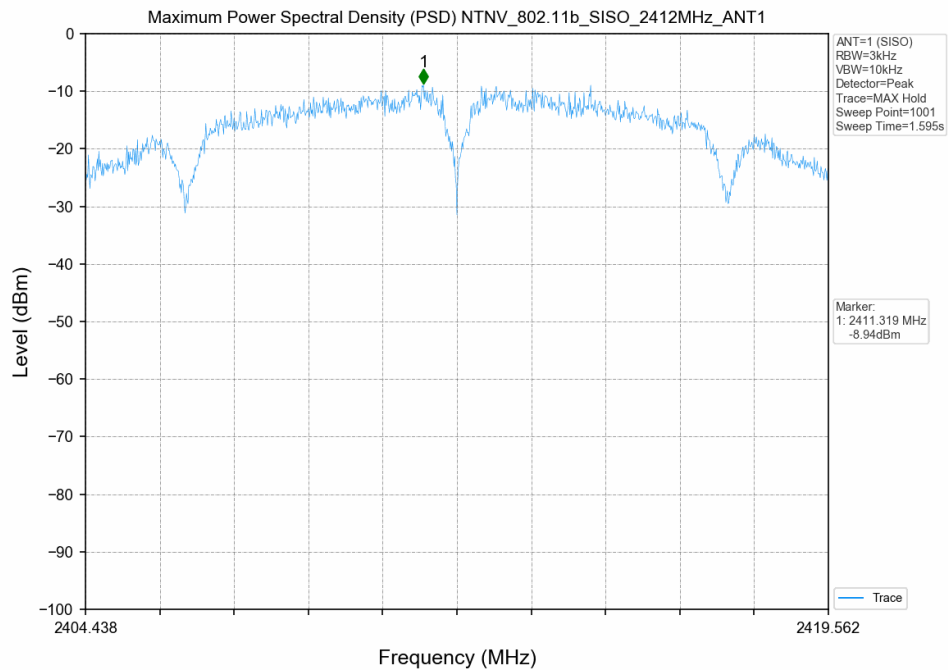


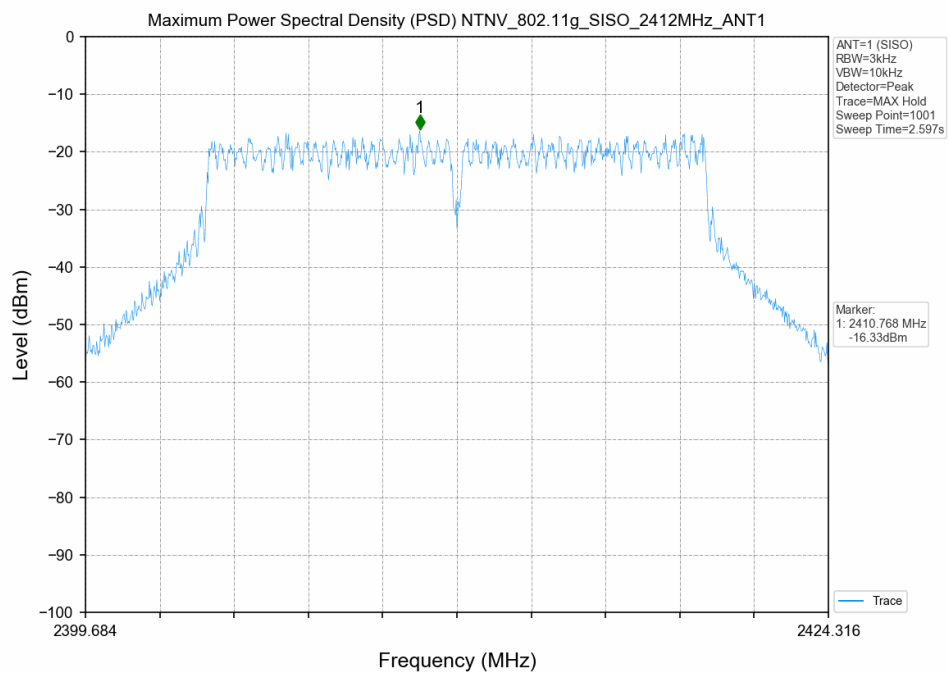
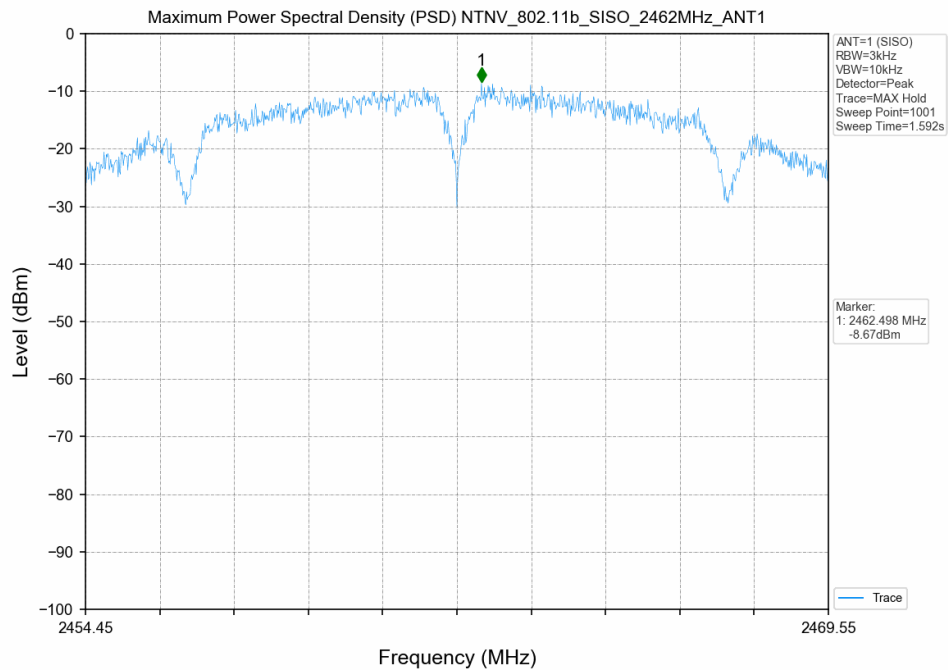
4. Maximum Power Spectral Density (PSD)

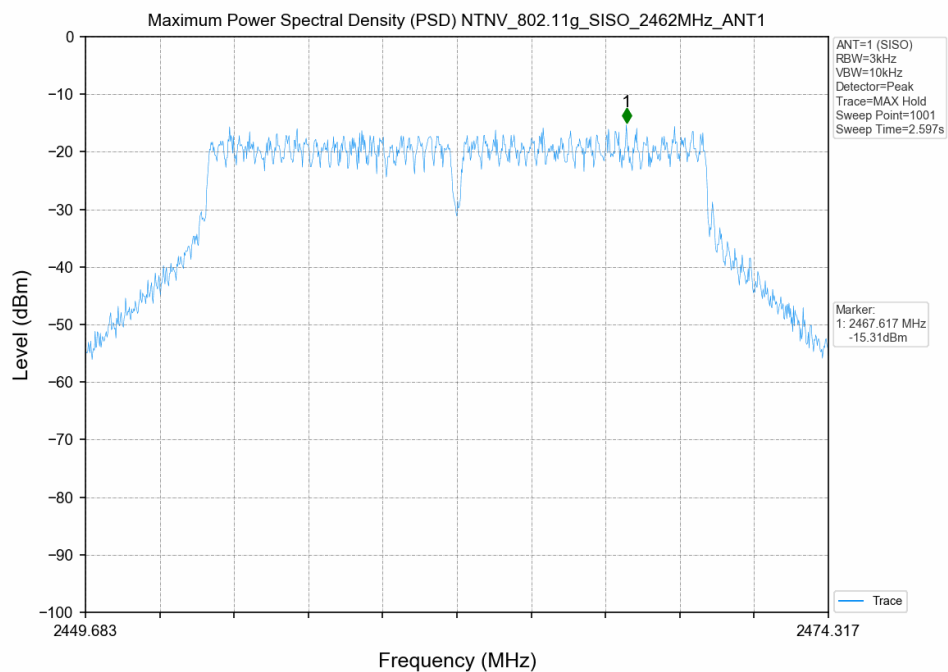
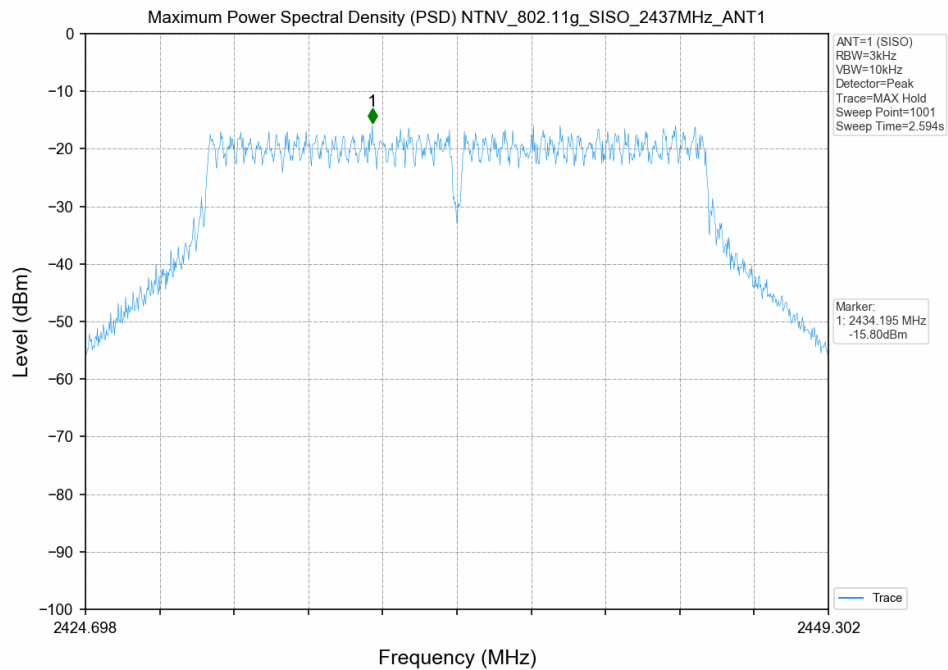
4.1 Test Result

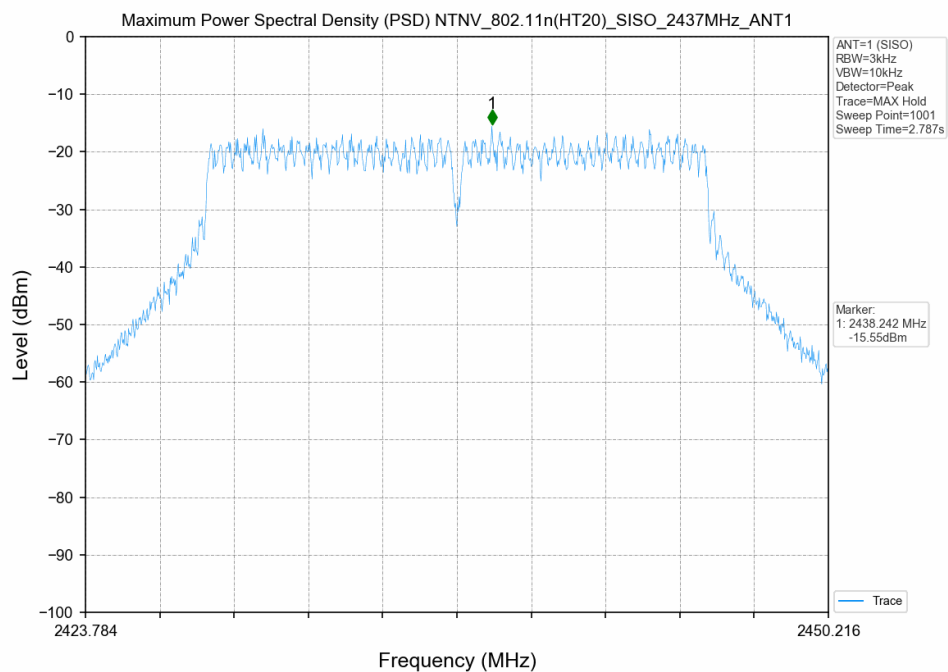
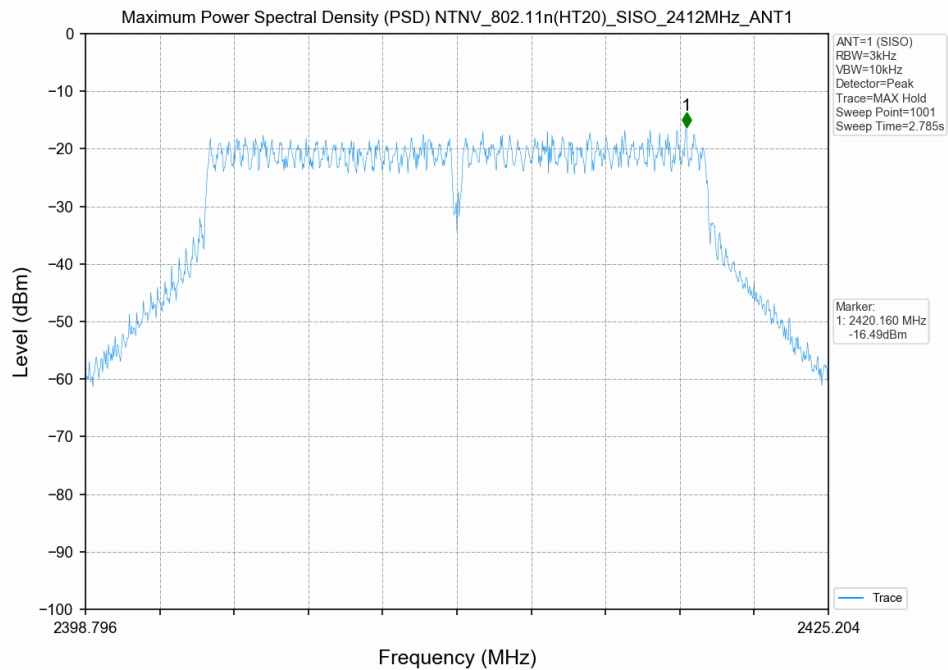
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-8.94	≤8	PASS
	2437	SISO	-8.98	≤8	PASS
	2462	SISO	-8.67	≤8	PASS
802.11g	2412	SISO	-16.33	≤8	PASS
	2437	SISO	-15.80	≤8	PASS
	2462	SISO	-15.31	≤8	PASS
802.11n(HT20)	2412	SISO	-16.49	≤8	PASS
	2437	SISO	-15.55	≤8	PASS
	2462	SISO	-15.52	≤8	PASS

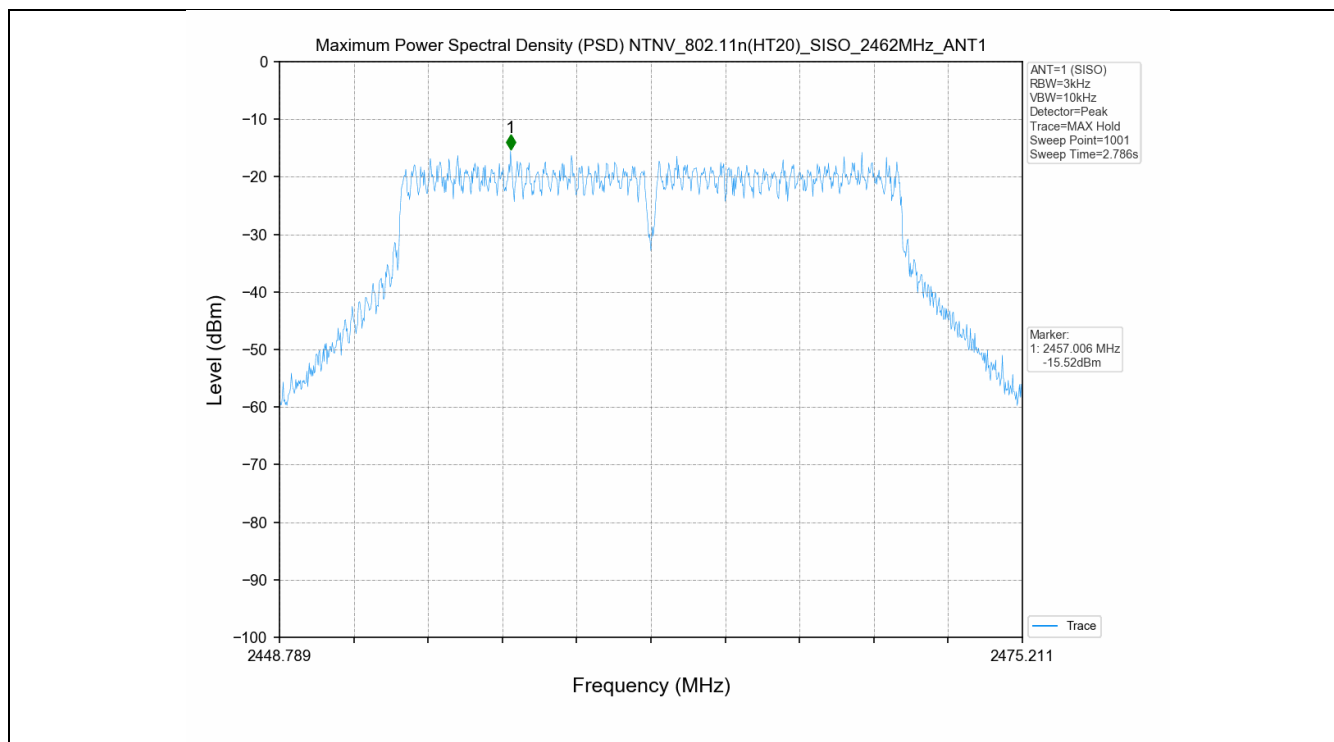
4.2 Test Graph









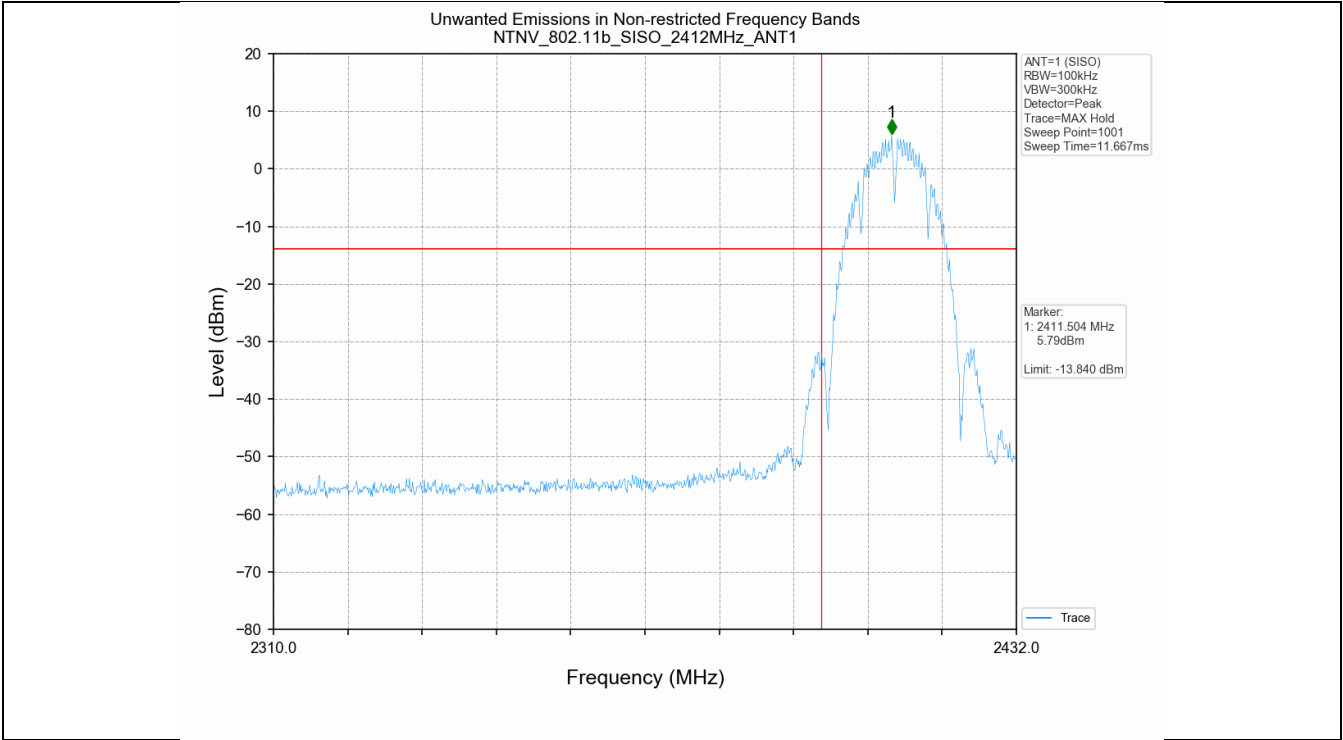
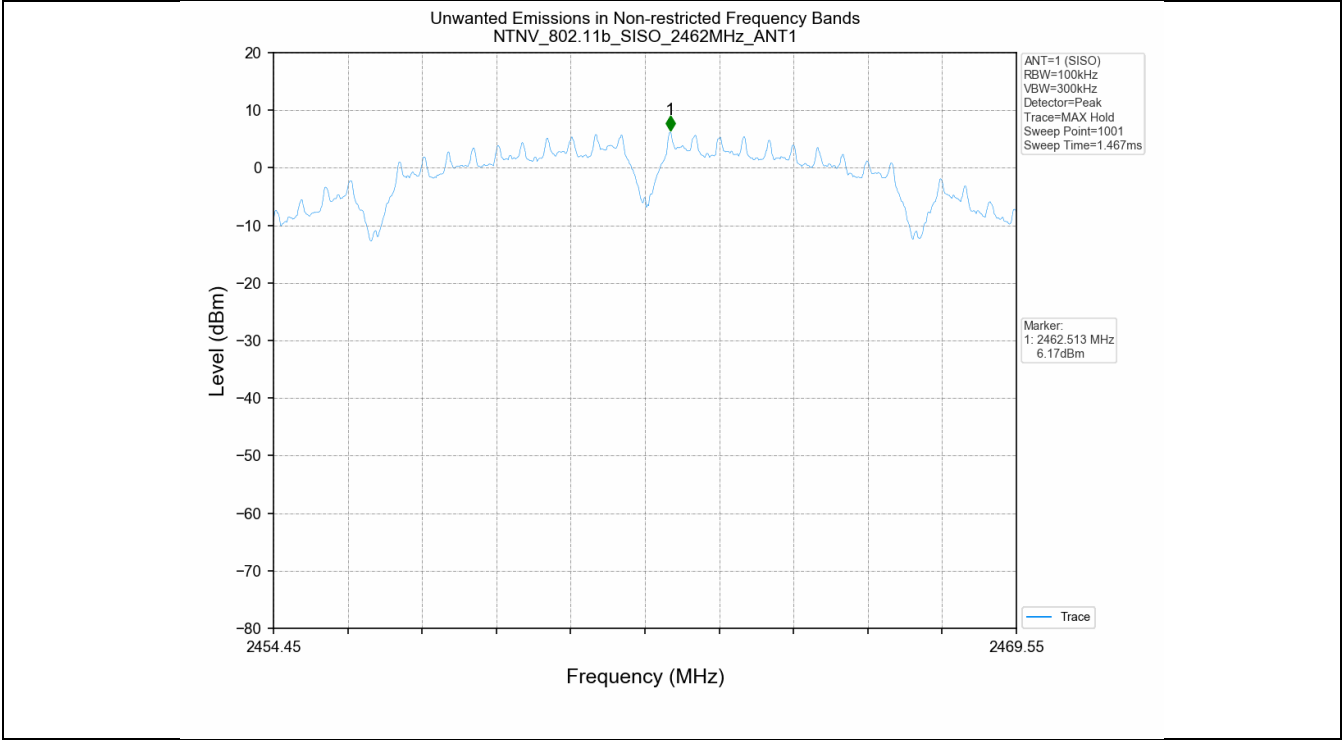


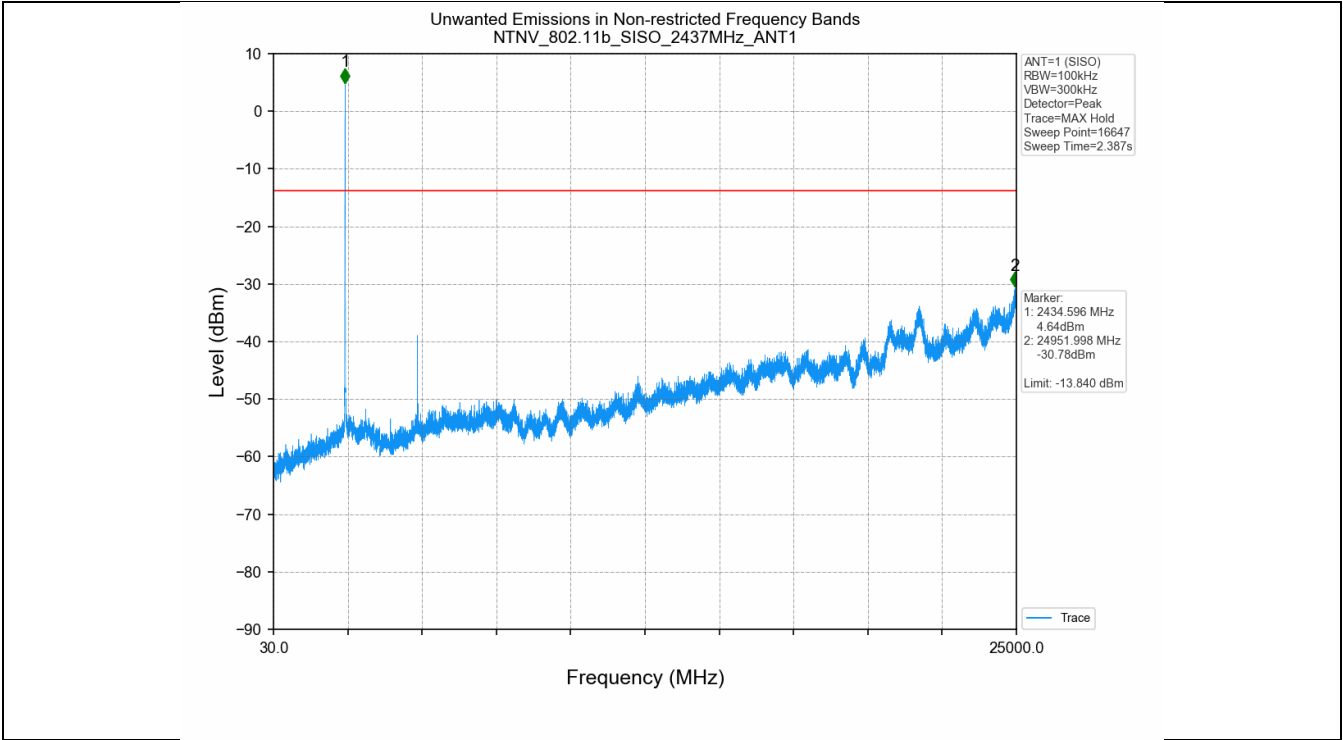
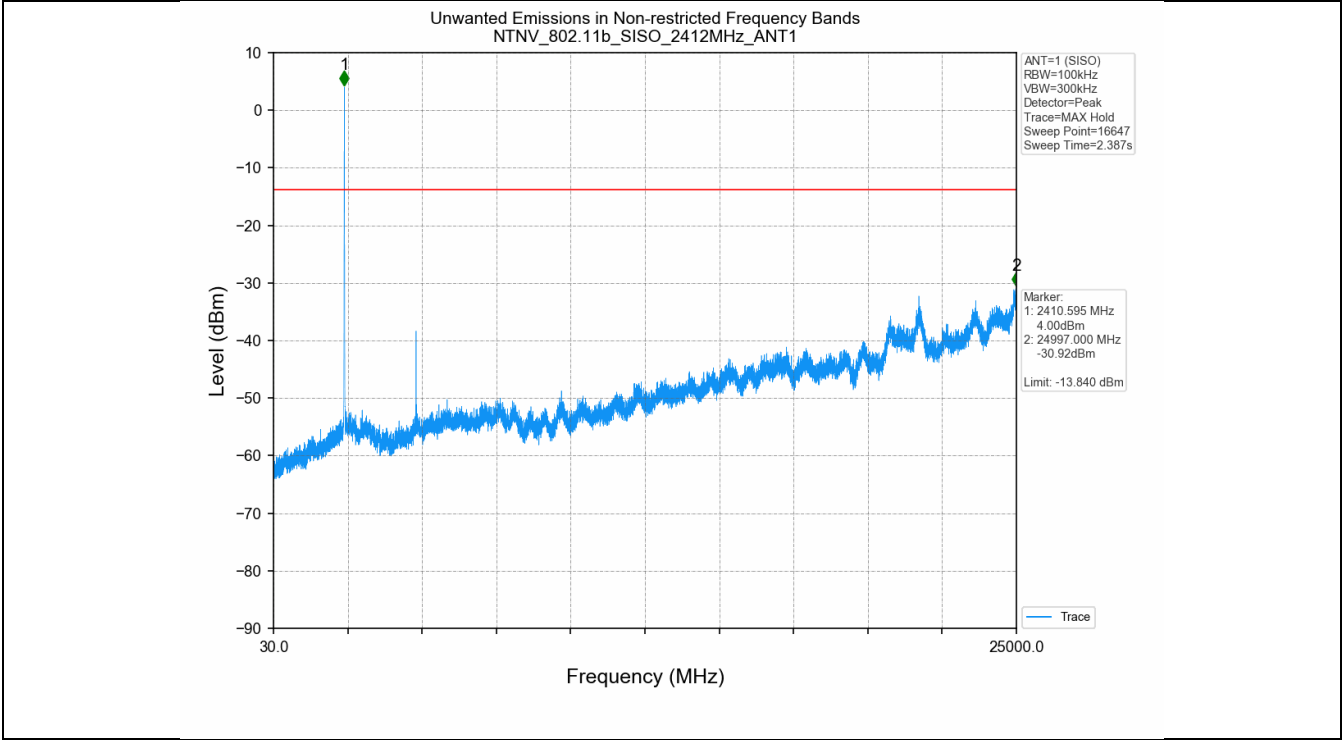
5. Unwanted Emissions in Non-restricted Frequency Bands

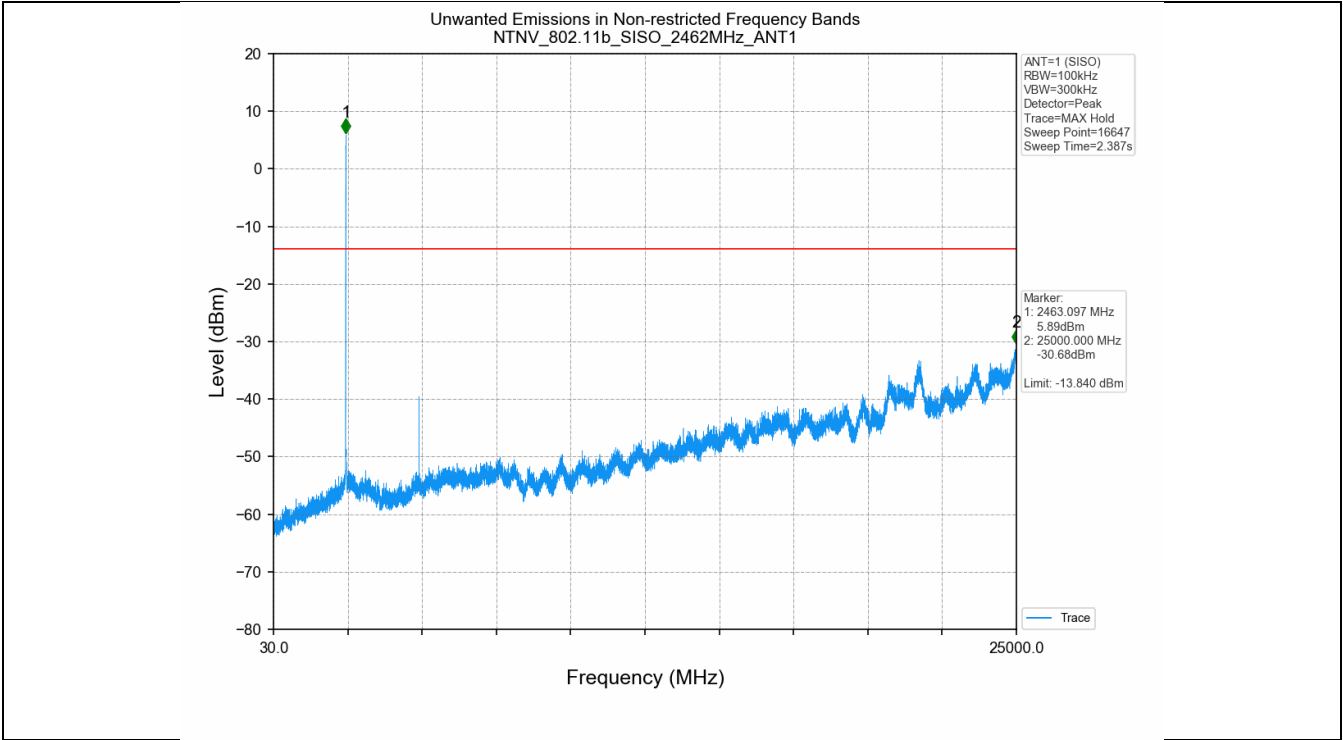
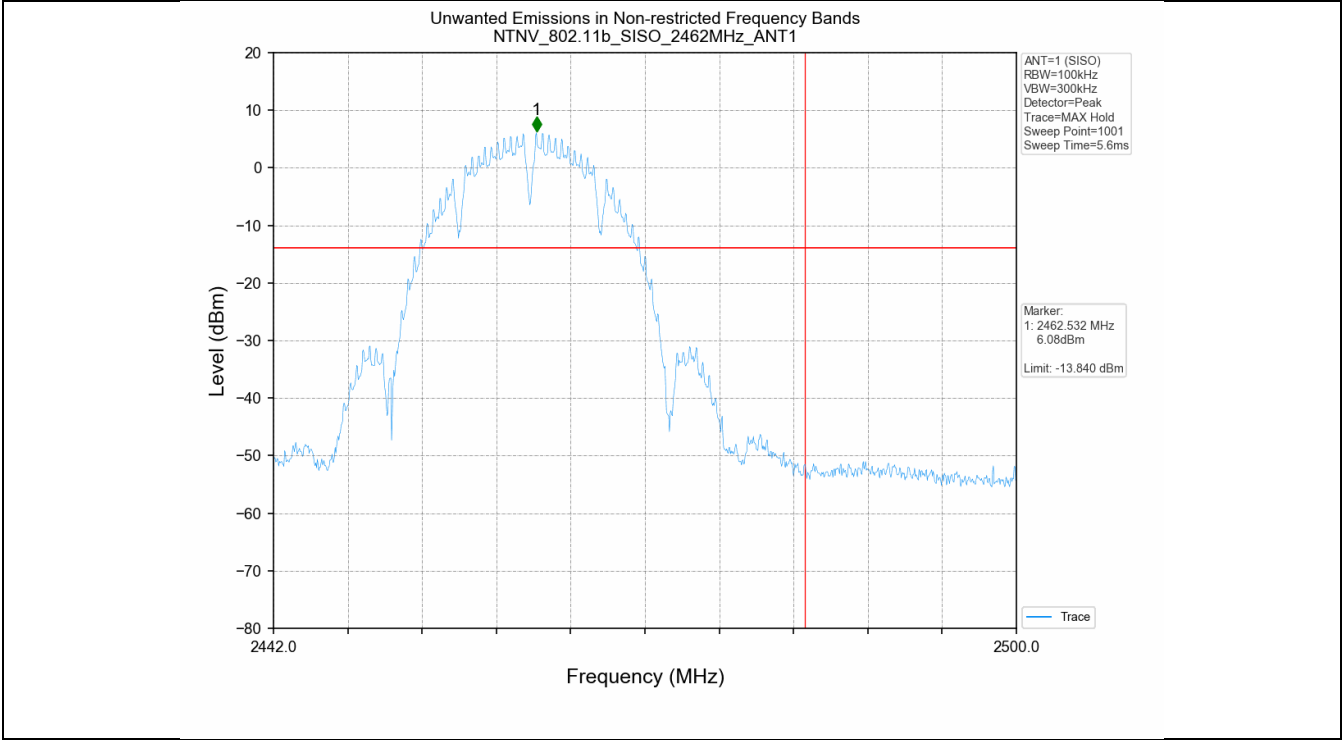
5.1 Test Result

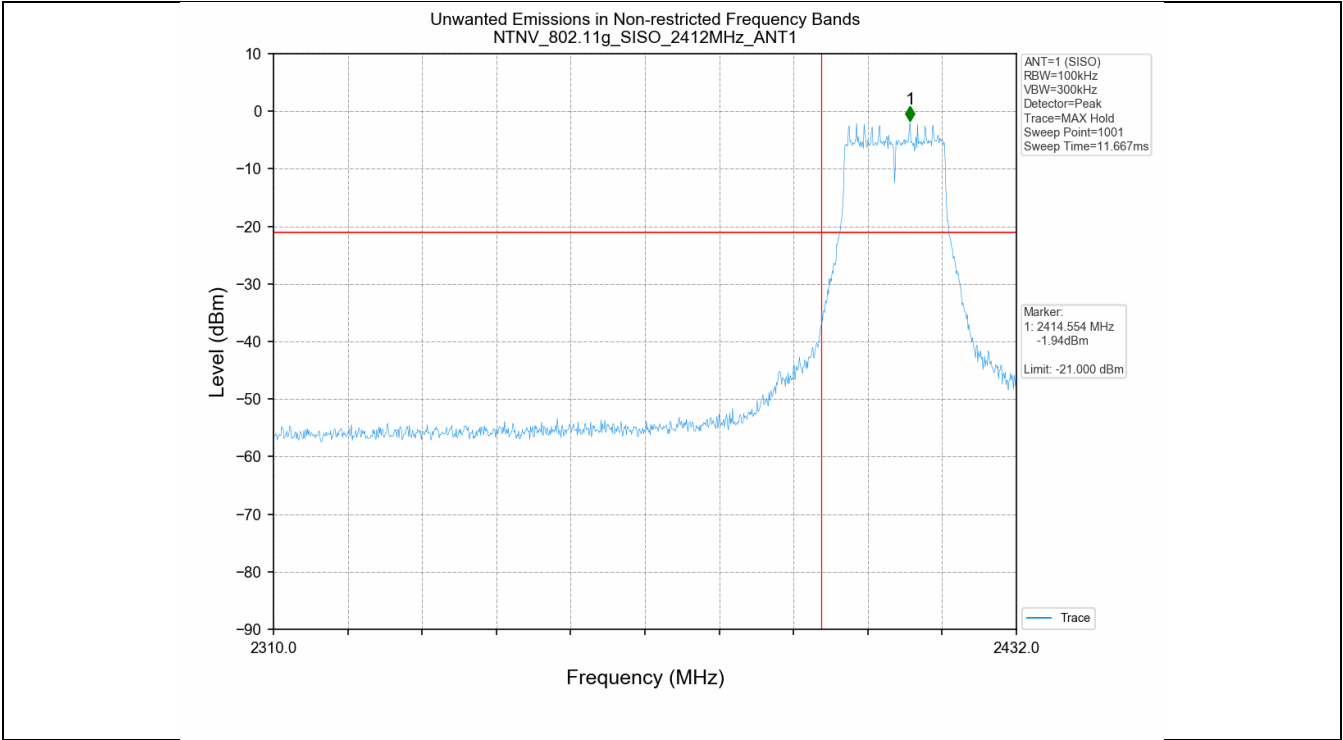
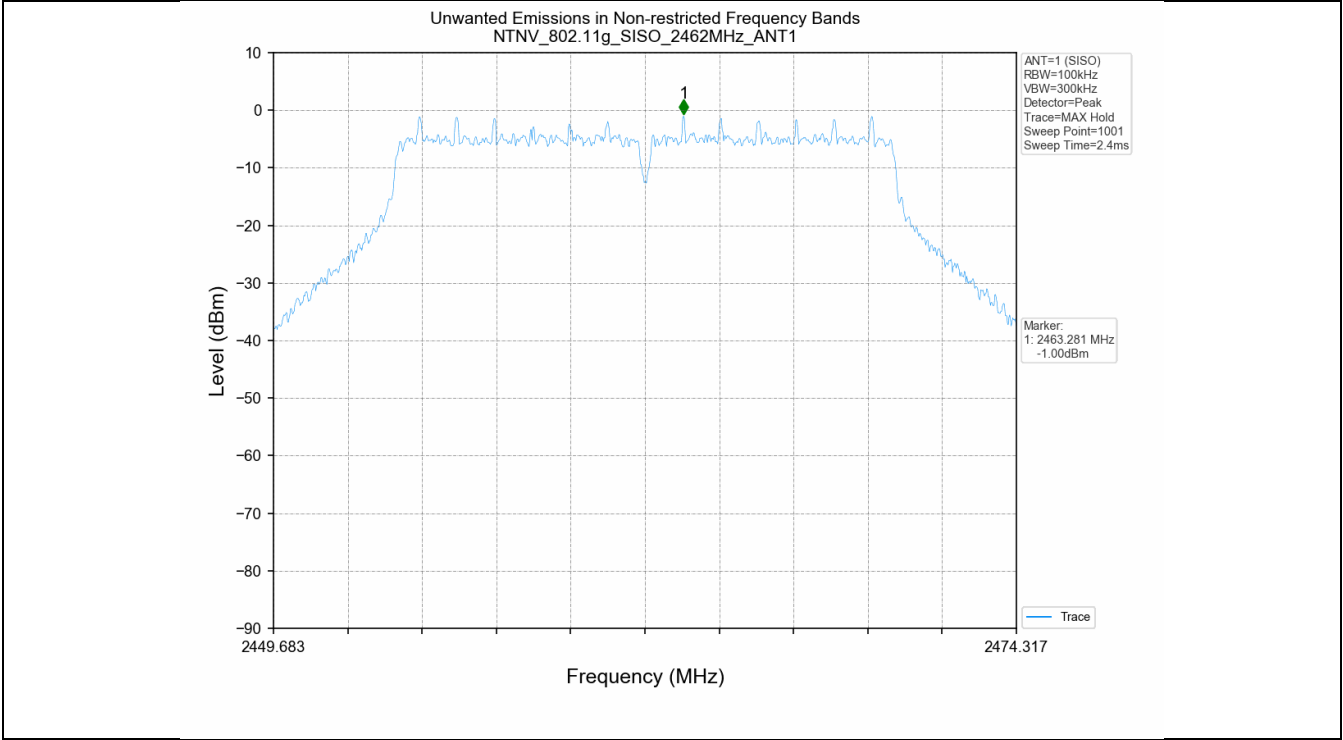
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-13.84	PASS
	2437	SISO	1	Refer to test graph	-13.84	PASS
	2462	SISO	1	Refer to test graph	-13.84	PASS
802.11g	2412	SISO	1	Refer to test graph	-21.00	PASS
	2437	SISO	1	Refer to test graph	-21.00	PASS
	2462	SISO	1	Refer to test graph	-21.00	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-21.38	PASS
	2437	SISO	1	Refer to test graph	-21.38	PASS
	2462	SISO	1	Refer to test graph	-21.38	PASS

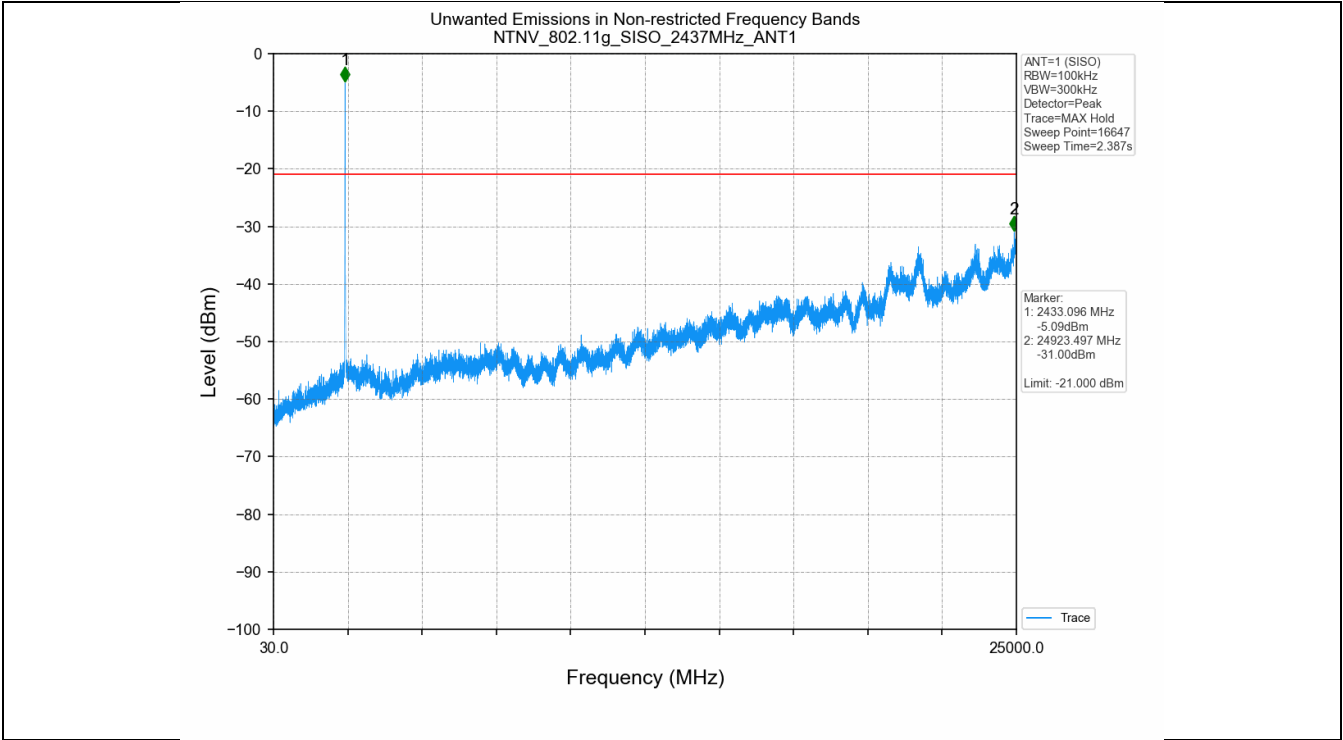
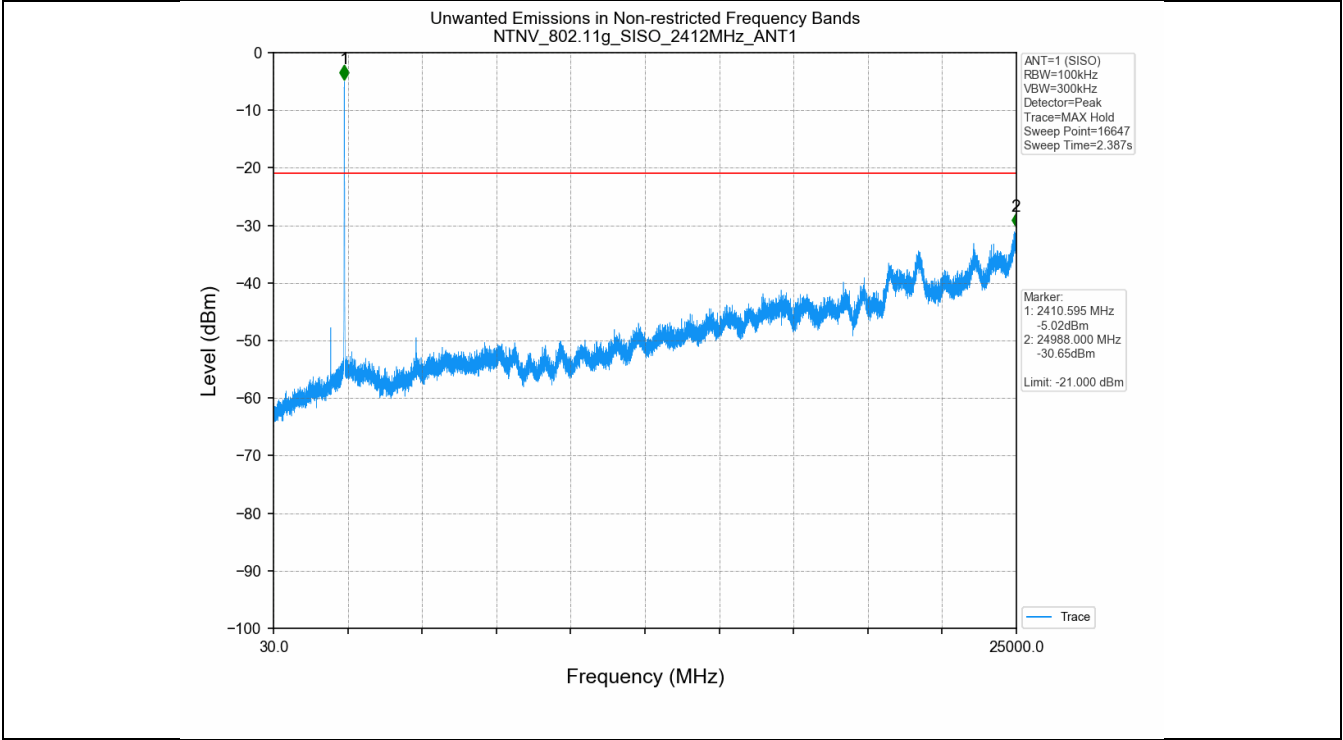
5.2 Test Graph

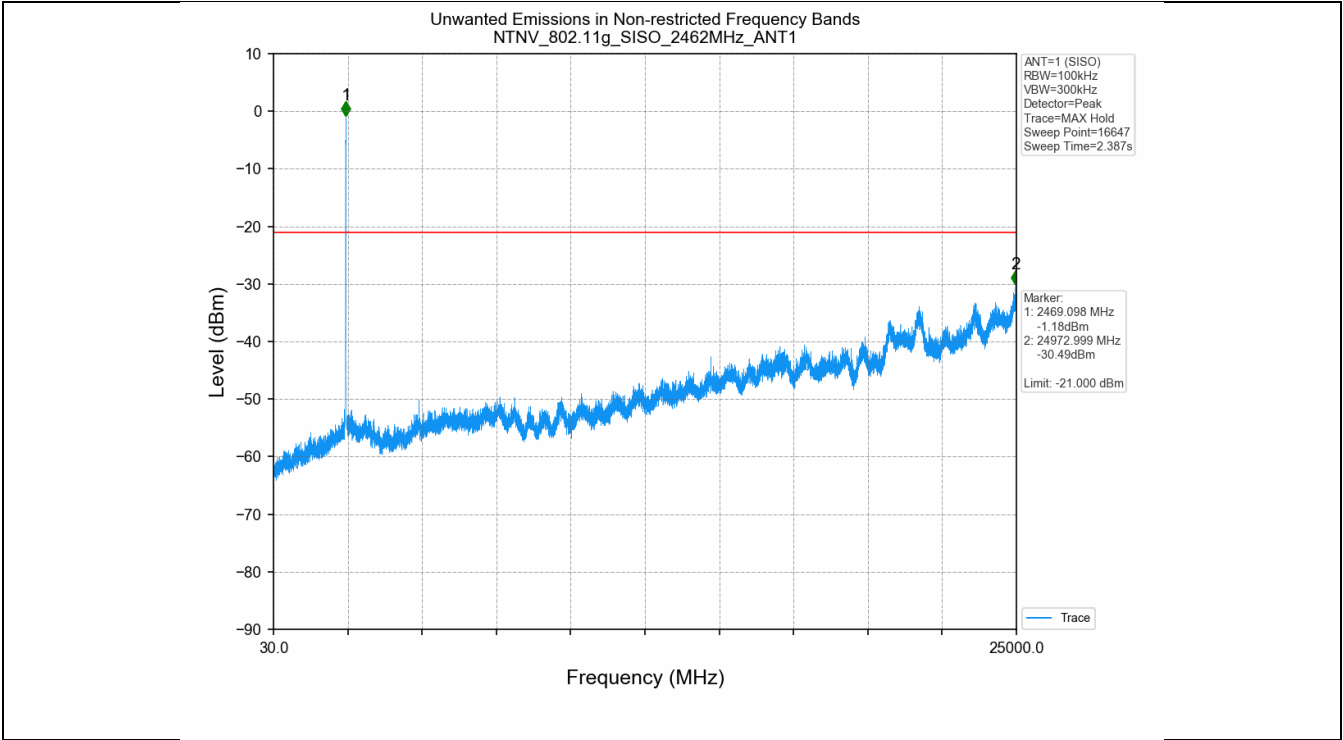
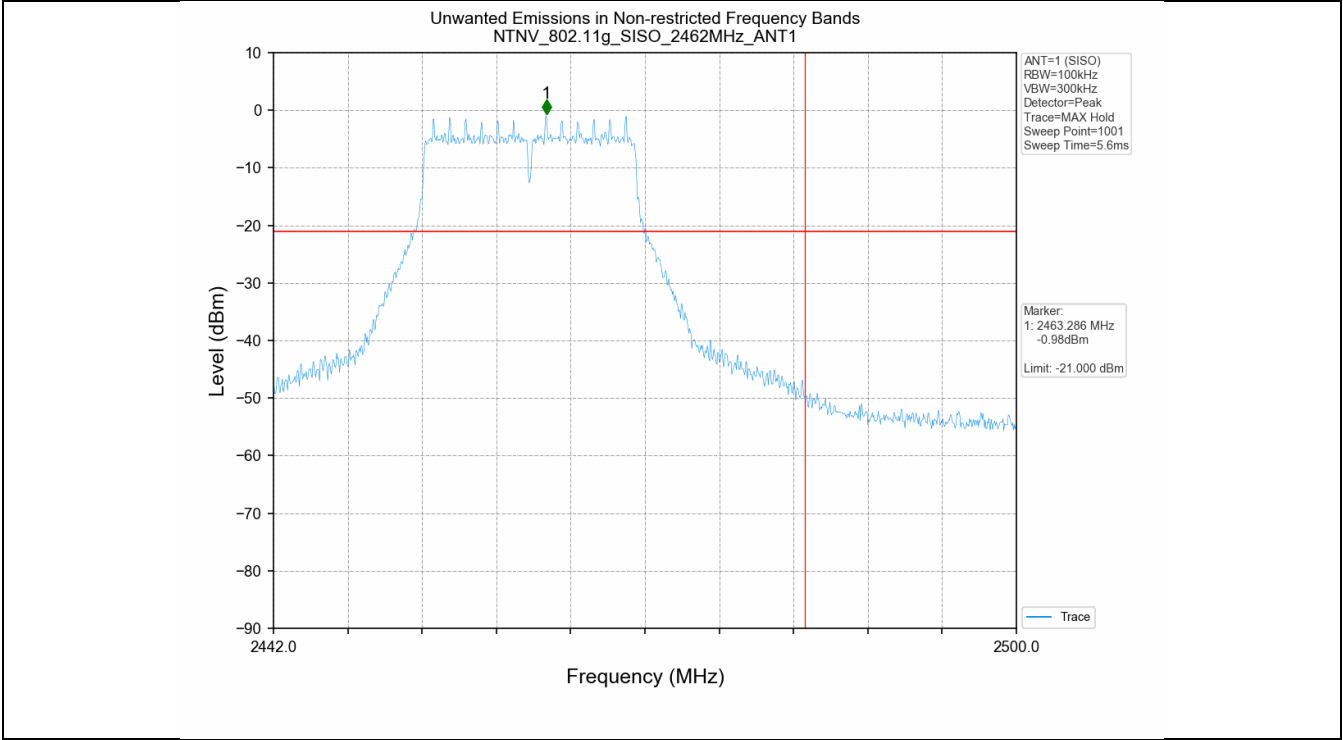


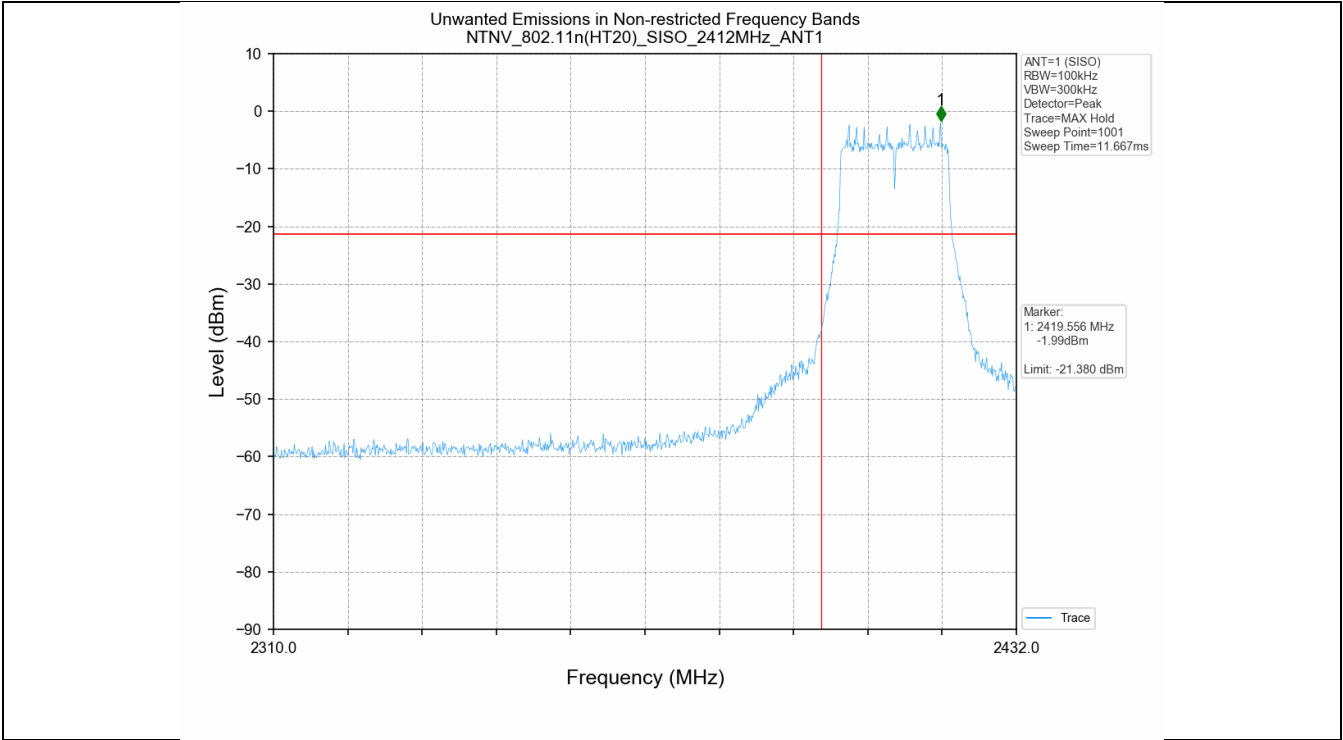
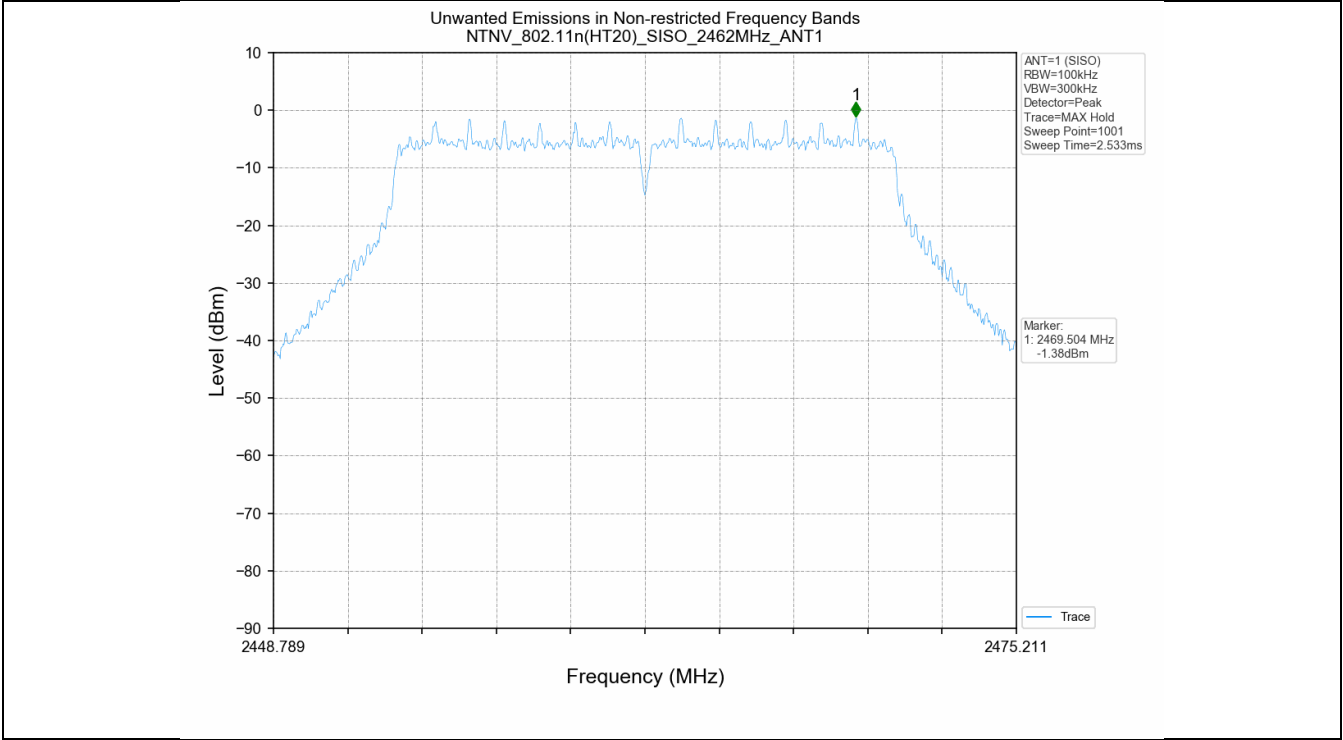




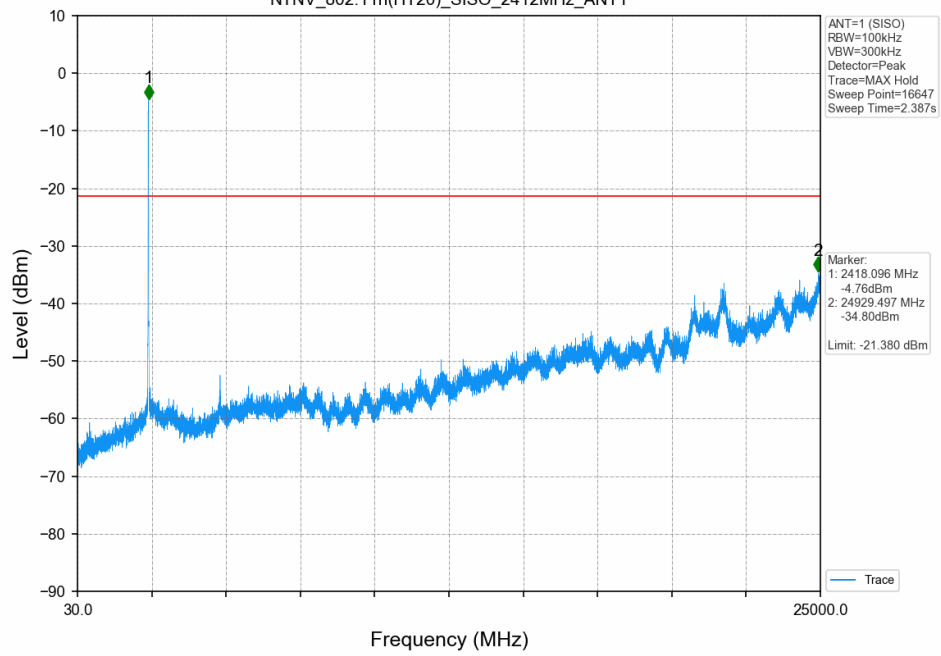








Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_SISO_2412MHz_ANT1



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

