

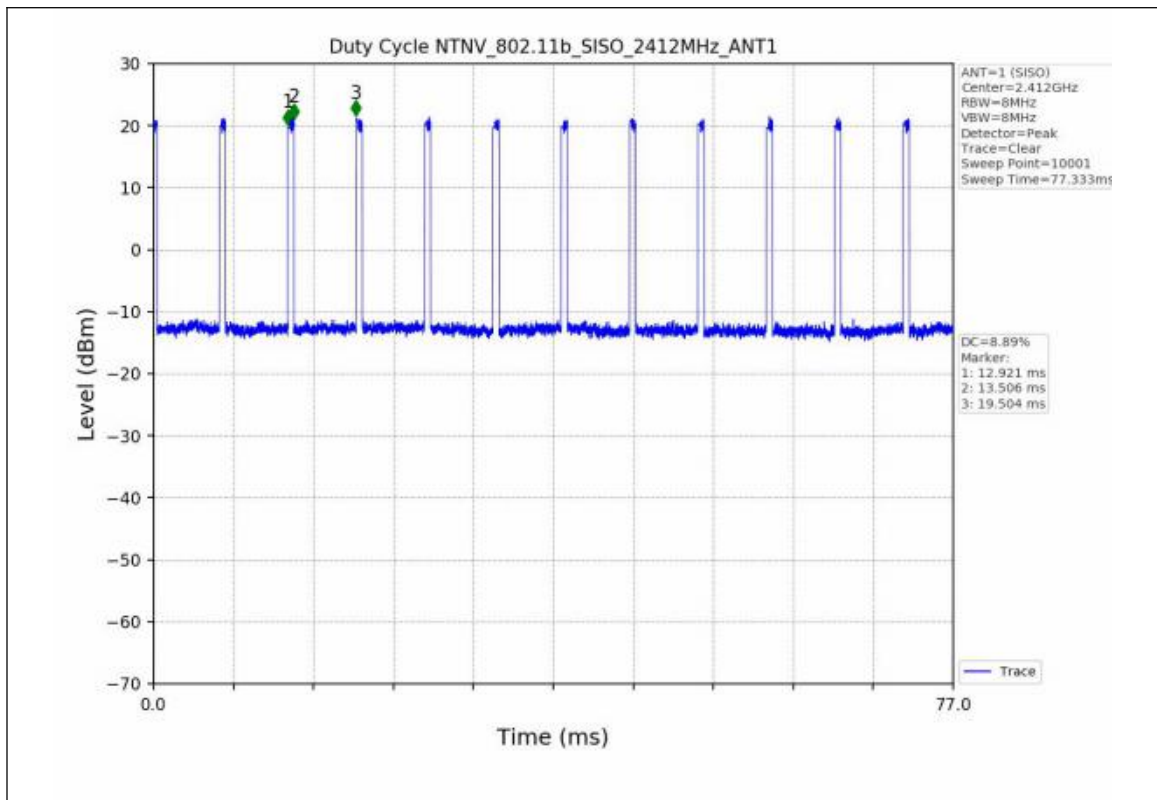
Appendix for 15.247

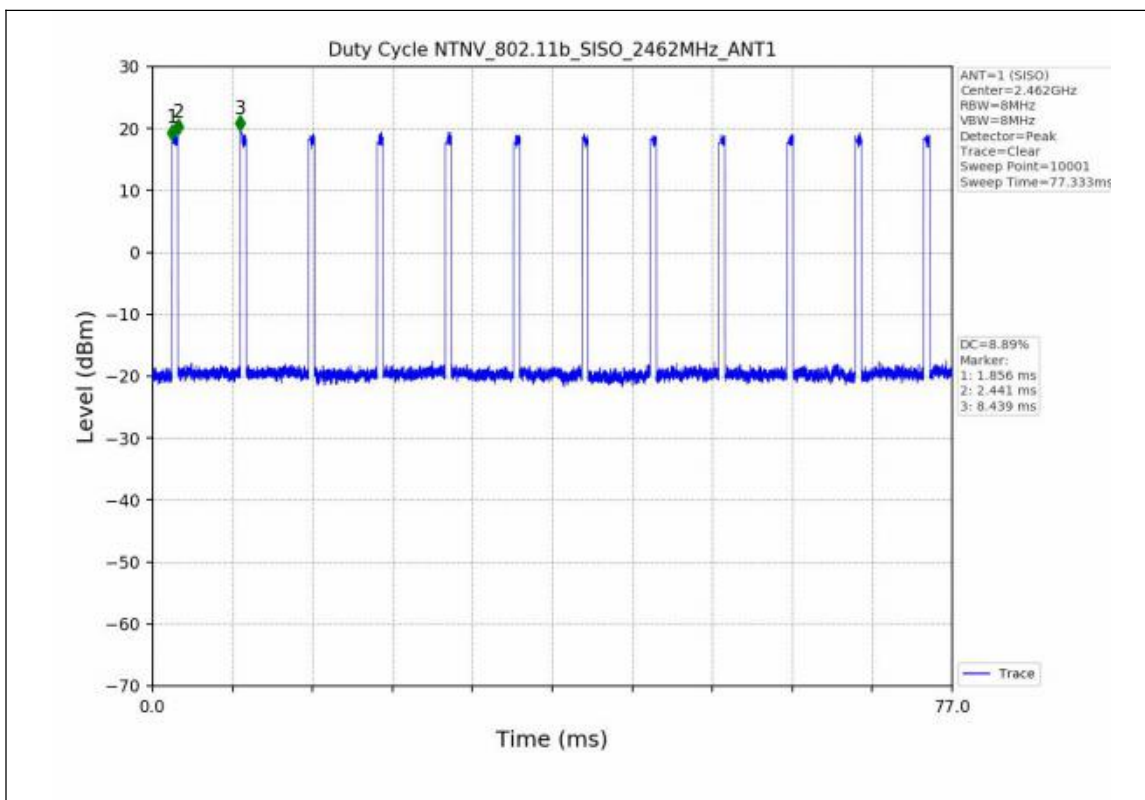
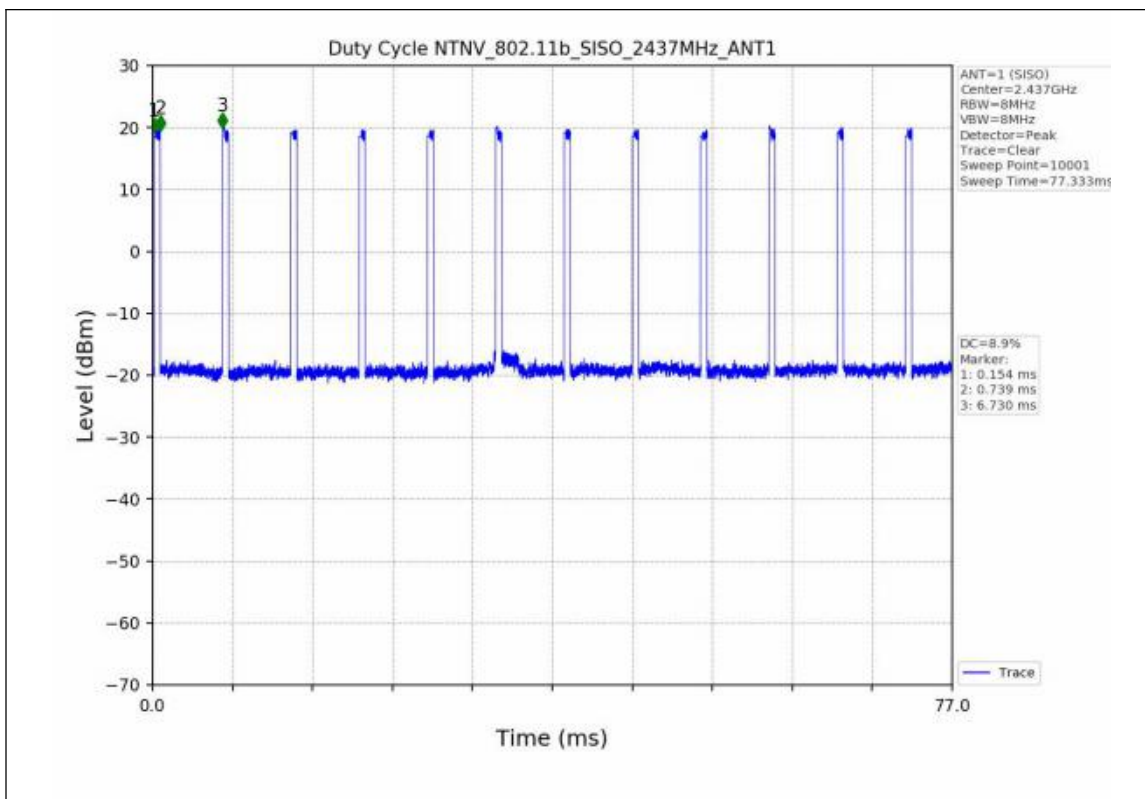
1. Duty Cycle

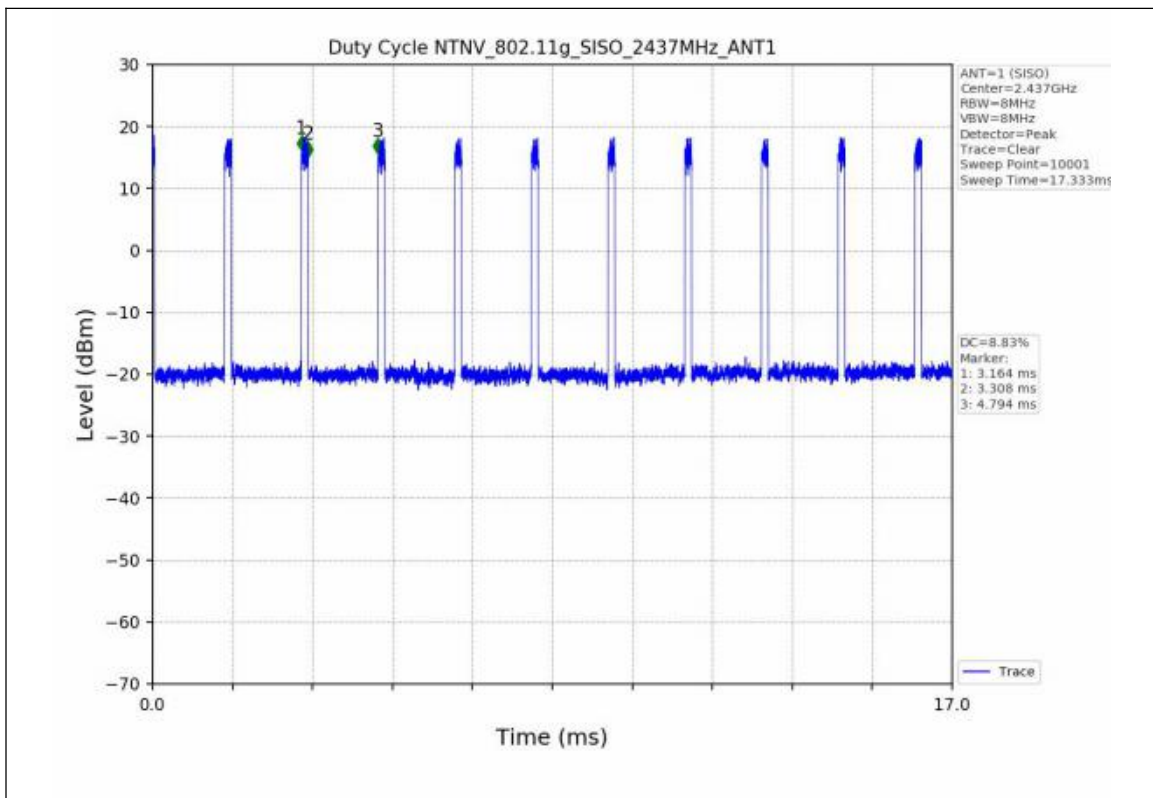
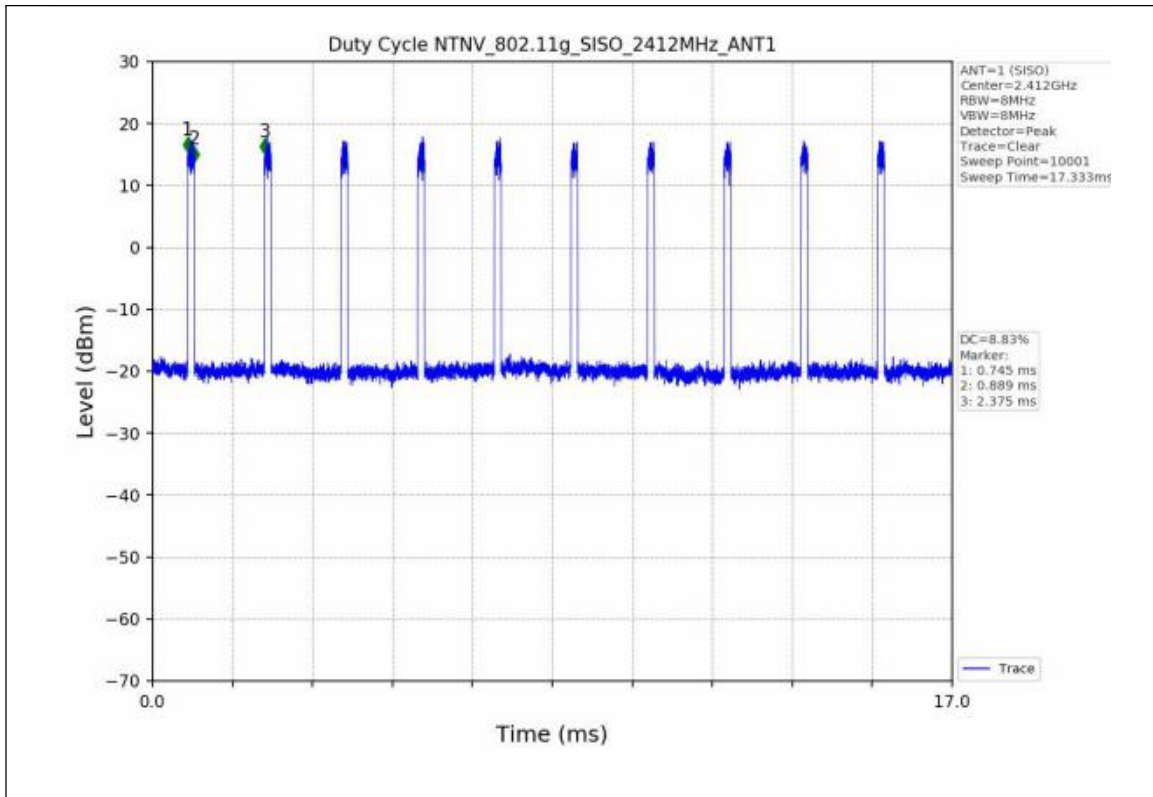
1.1 Test Result

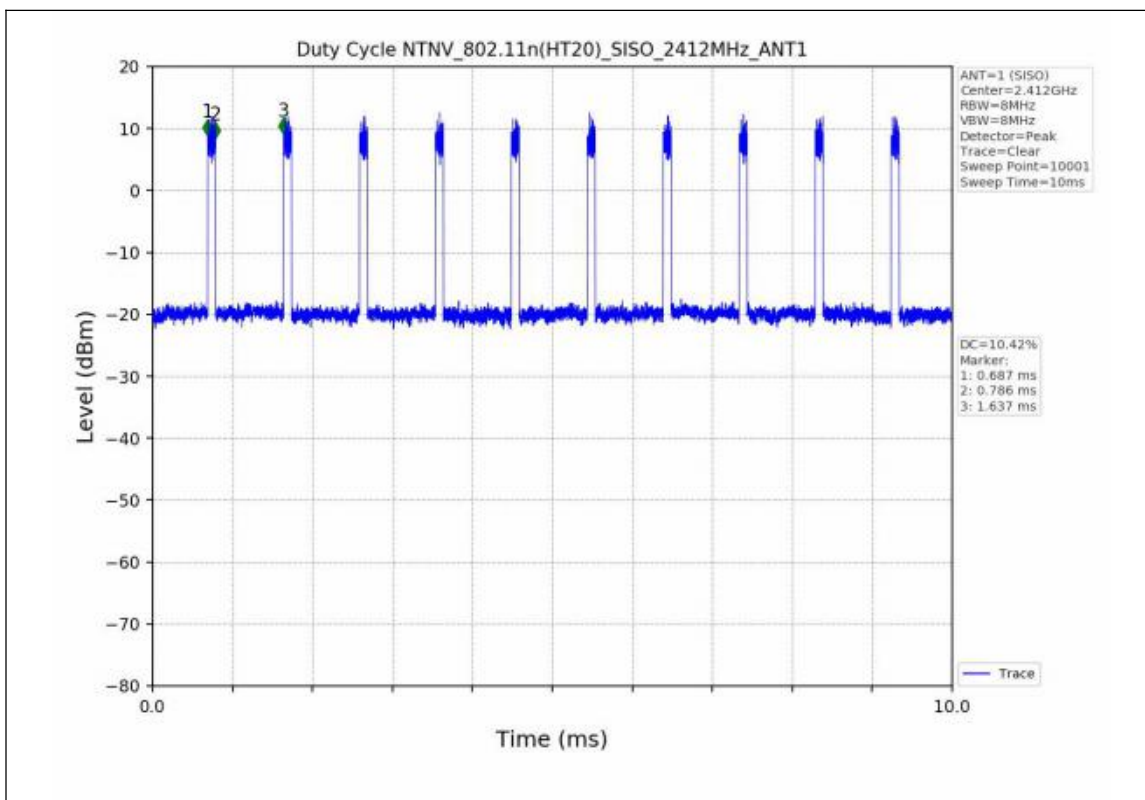
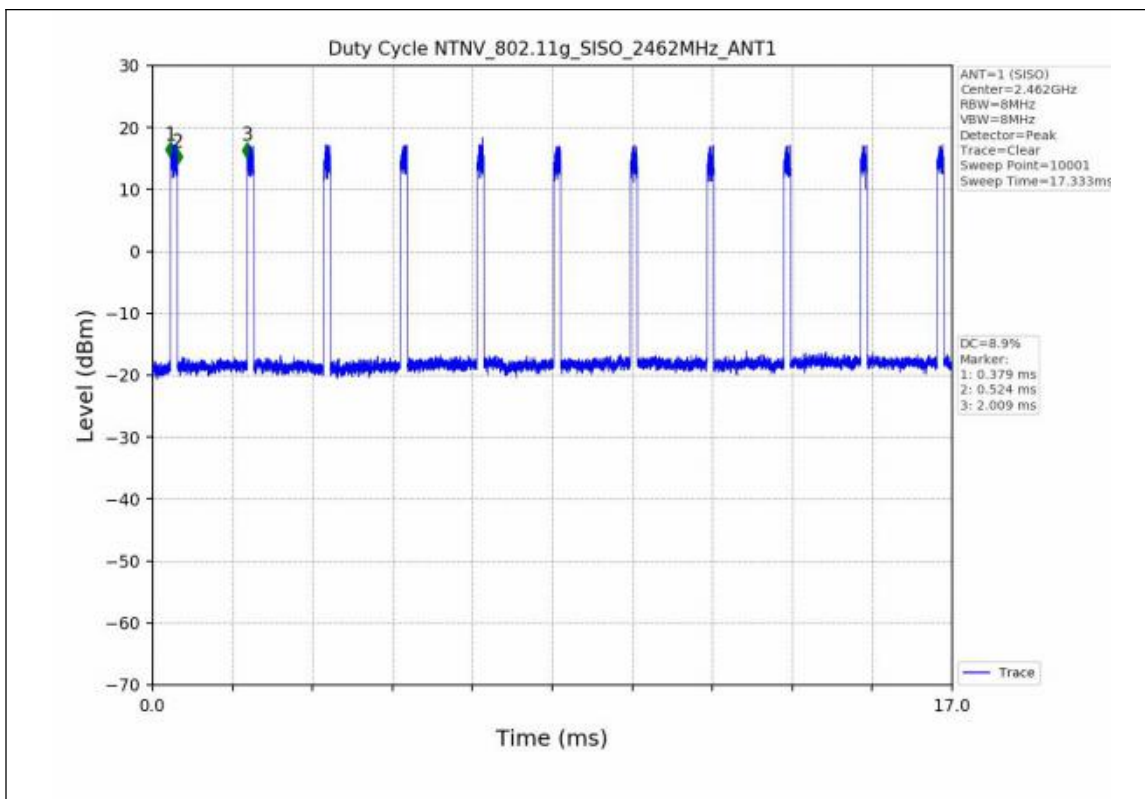
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	0.585	6.583	8.89	10.51
	2437	SISO	1	0.585	6.576	8.90	10.51
	2462	SISO	1	0.585	6.583	8.89	10.51
802.11g	2412	SISO	1	0.144	1.630	8.83	10.54
	2437	SISO	1	0.144	1.630	8.83	10.54
	2462	SISO	1	0.145	1.630	8.90	10.51
802.11n(HT20)	2412	SISO	1	0.099	0.950	10.42	9.82
	2437	SISO	1	0.098	0.951	10.30	9.87
	2462	SISO	1	0.099	0.951	10.41	9.83

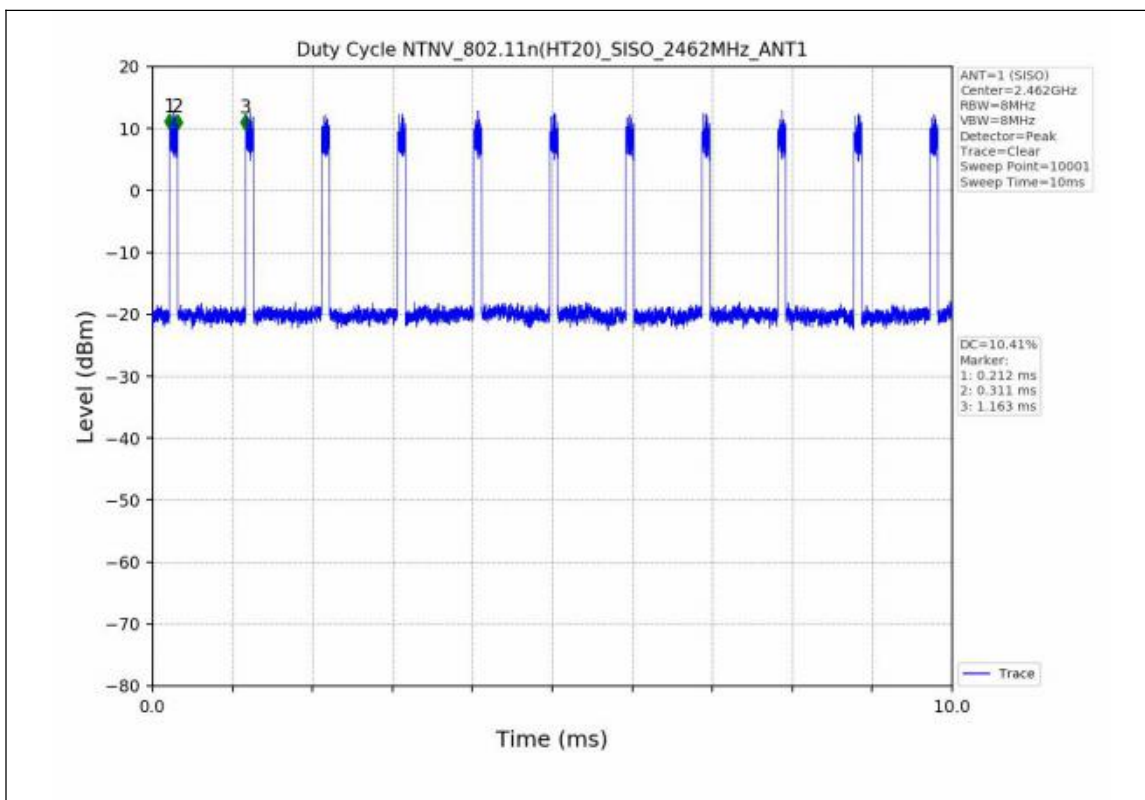
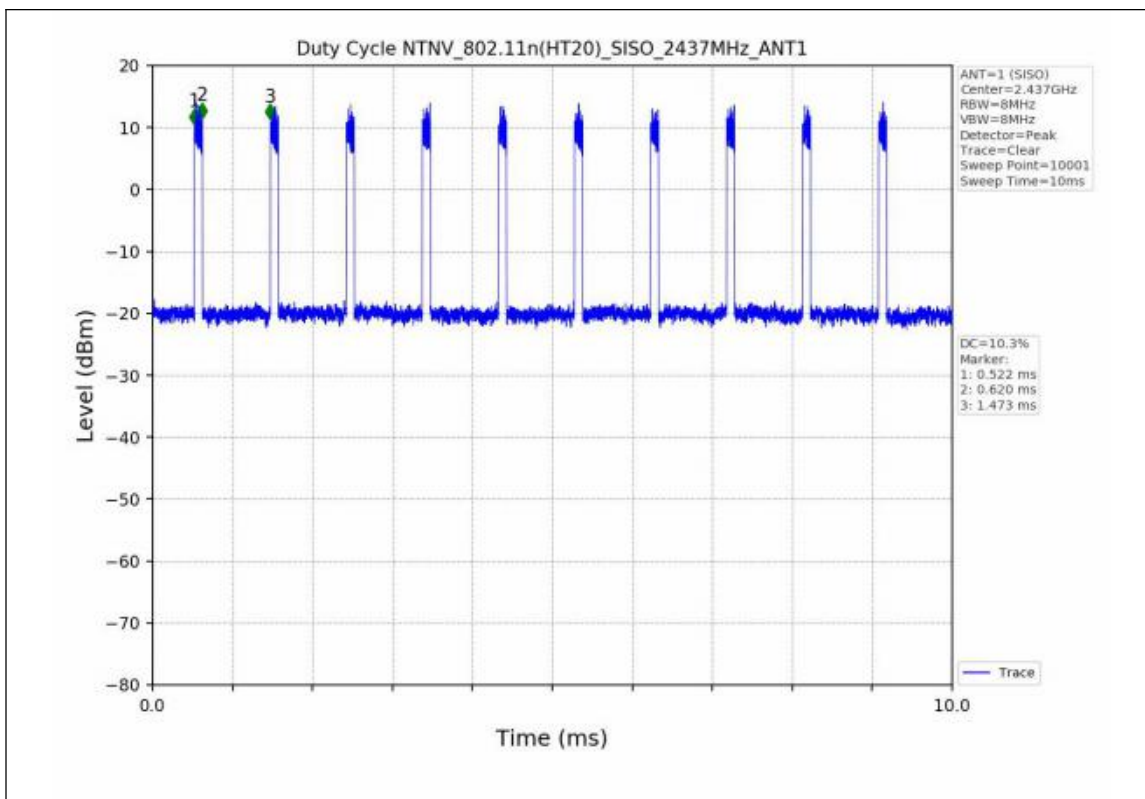
1.2 Test Graph











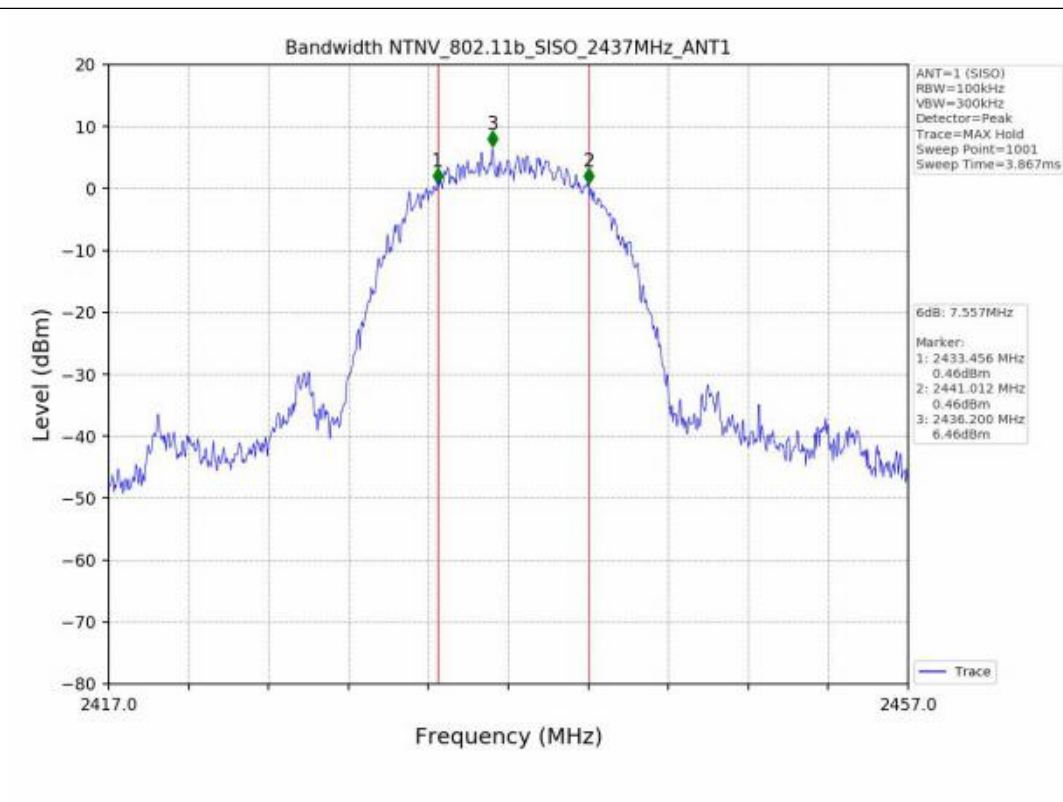
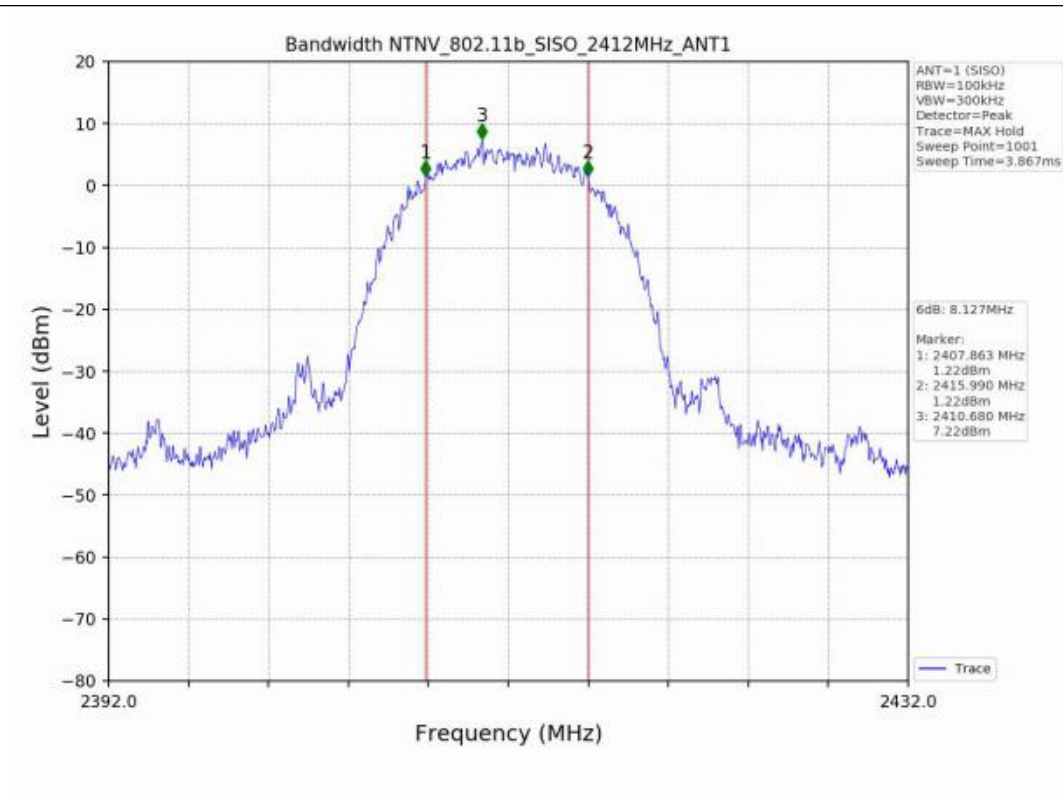
2. Bandwidth

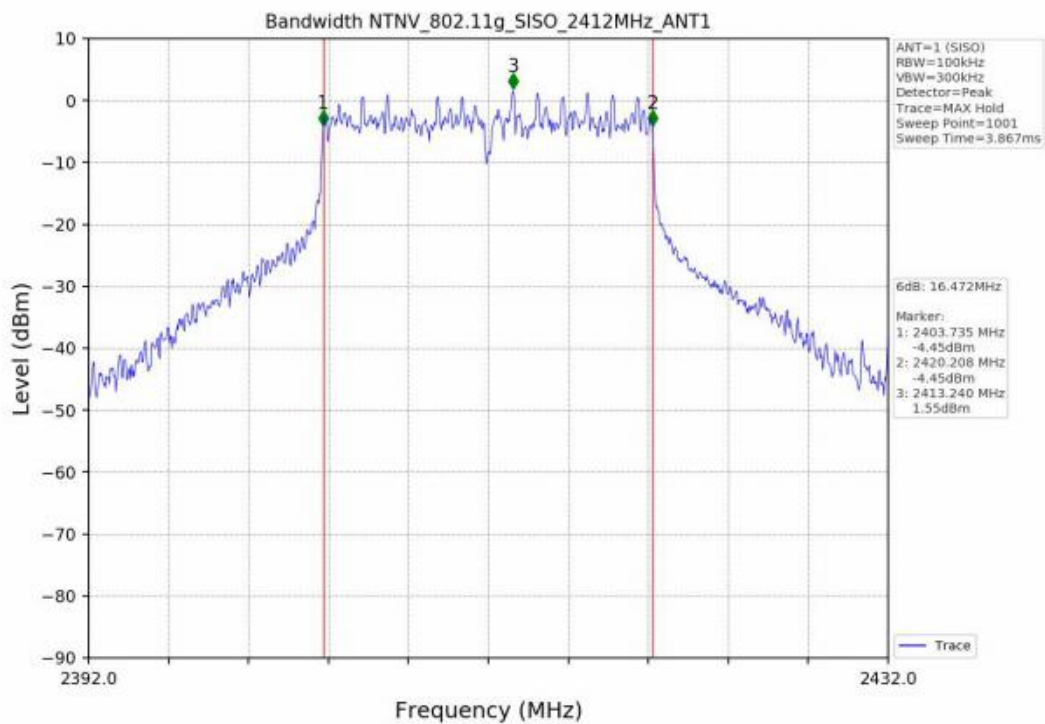
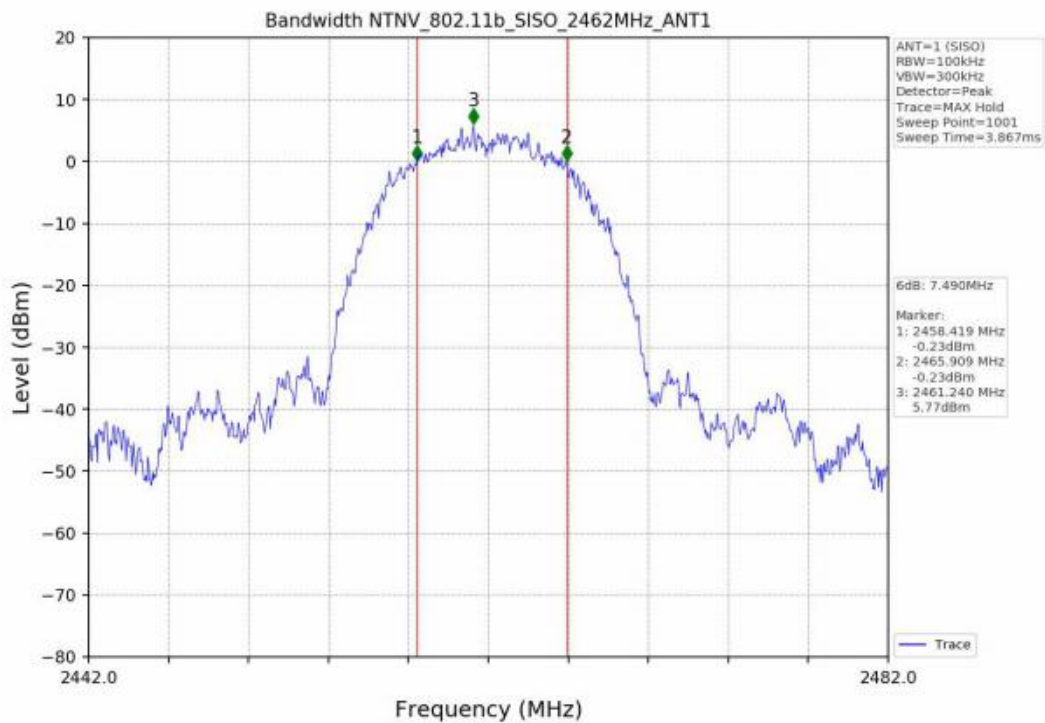
2.1 Test Result

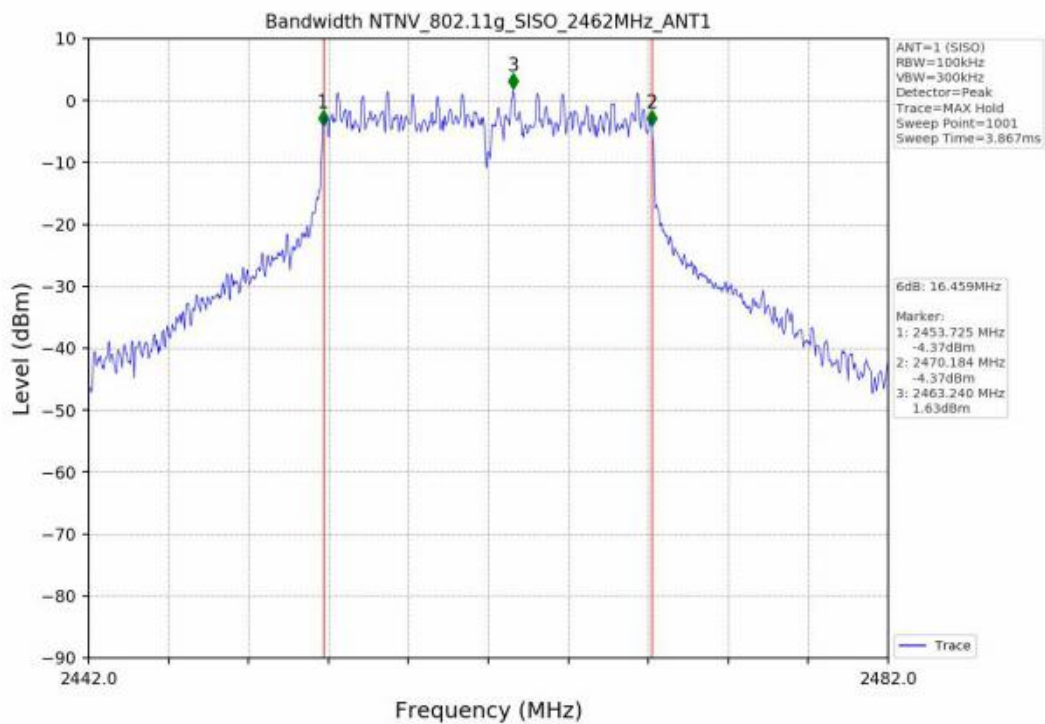
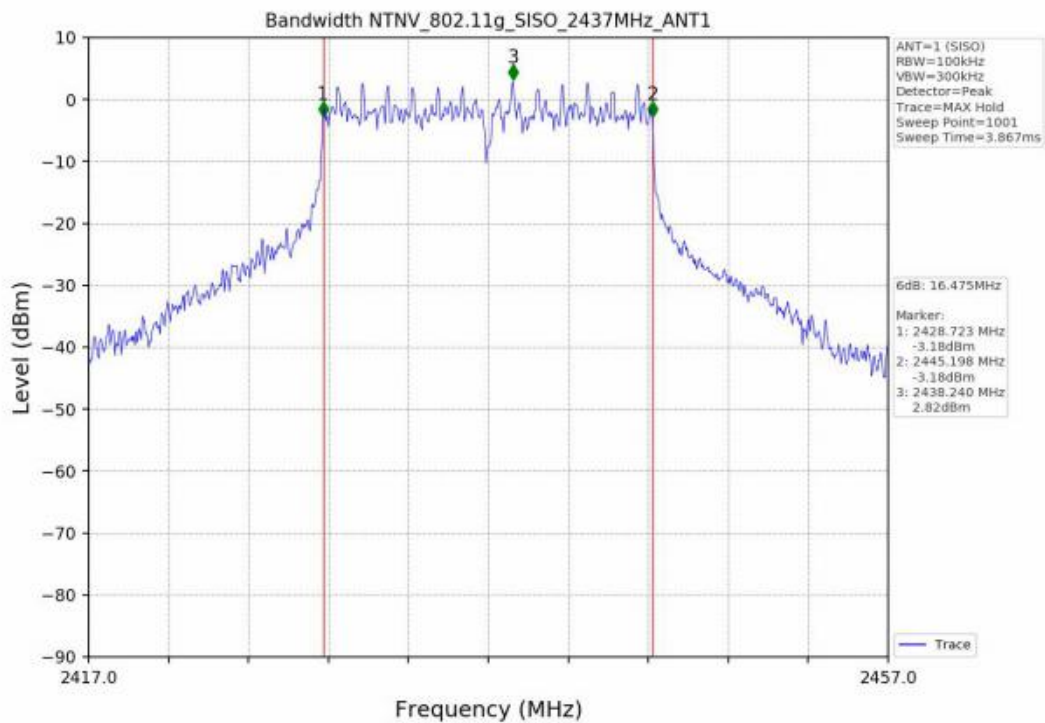
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	8.127	≥0.5	PASS
	2437	SISO	1	7.557	≥0.5	PASS
	2462	SISO	1	7.490	≥0.5	PASS
802.11g	2412	SISO	1	16.472	≥0.5	PASS
	2437	SISO	1	16.475	≥0.5	PASS
	2462	SISO	1	16.459	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.575	≥0.5	PASS
	2437	SISO	1	17.578	≥0.5	PASS
	2462	SISO	1	17.613	≥0.5	PASS

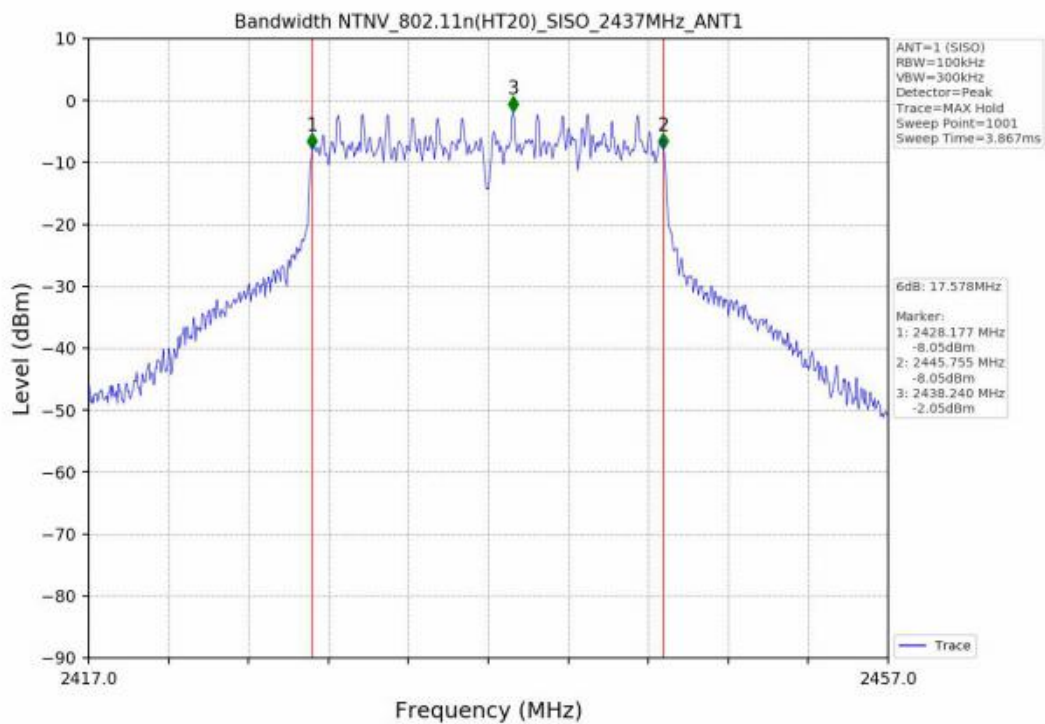
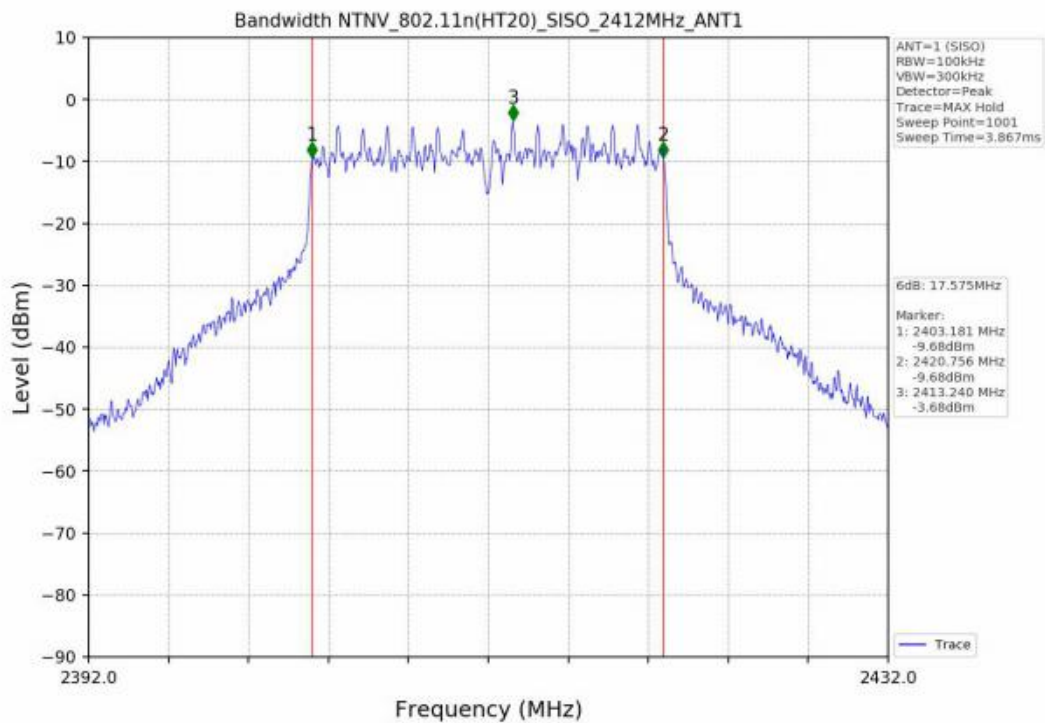
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	11.569	Only for Report Use
	2437	SISO	1	11.471	Only for Report Use
	2462	SISO	1	11.309	Only for Report Use
802.11g	2412	SISO	1	16.785	Only for Report Use
	2437	SISO	1	16.829	Only for Report Use
	2462	SISO	1	16.801	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.963	Only for Report Use
	2437	SISO	1	17.970	Only for Report Use
	2462	SISO	1	17.984	Only for Report Use

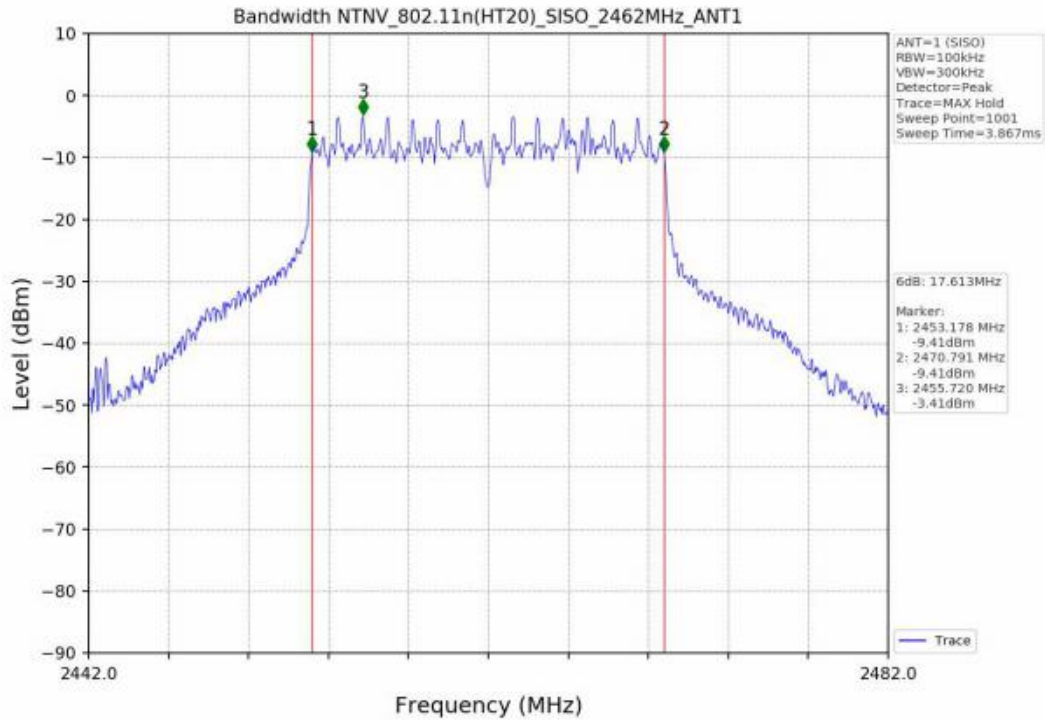
2.2 Test Graph - 6dB Bandwidth



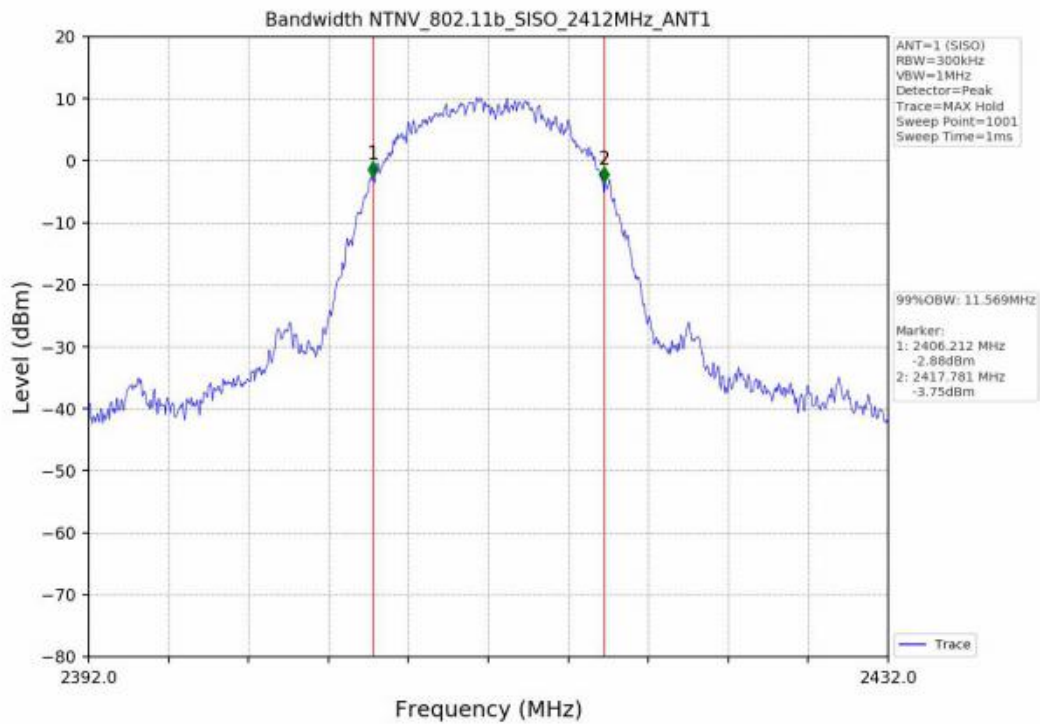


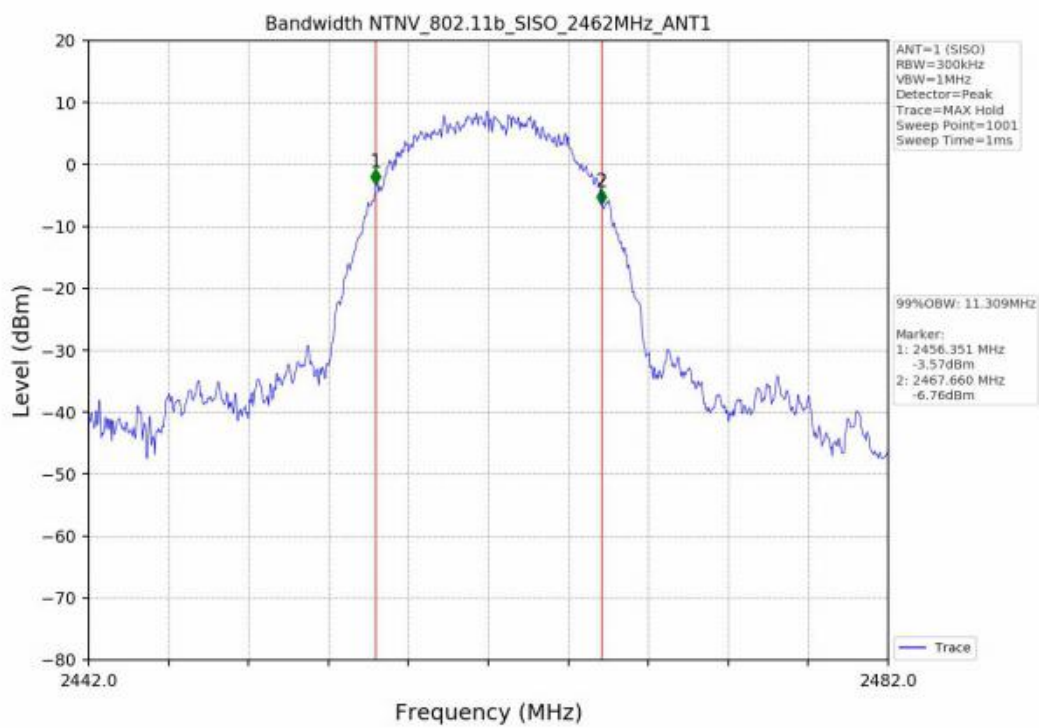
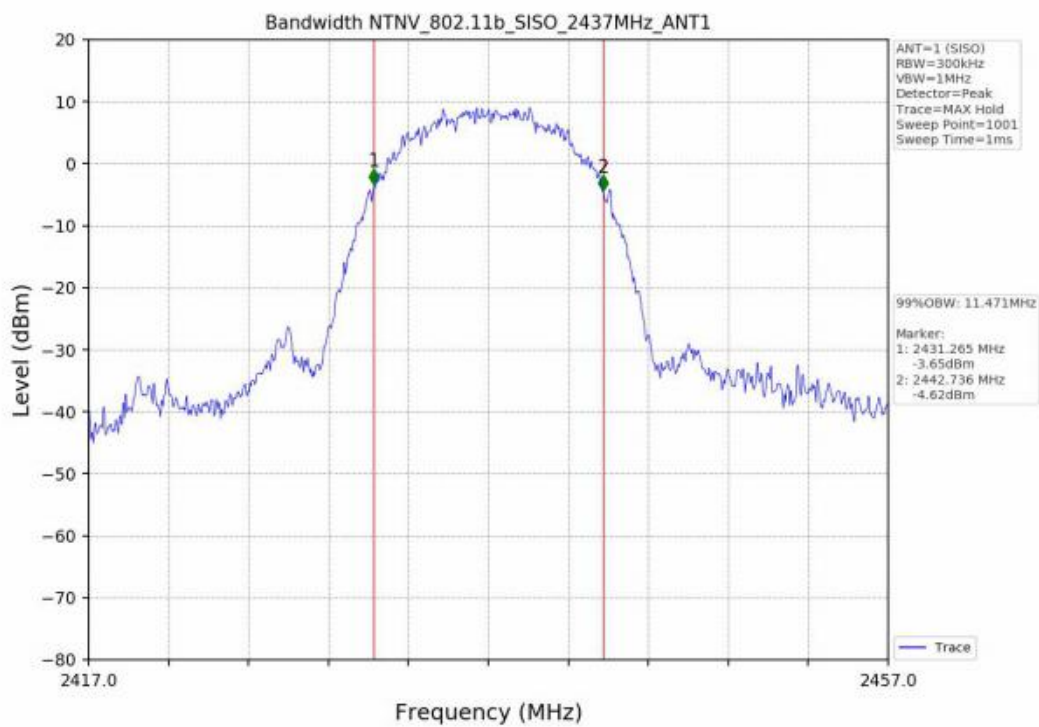


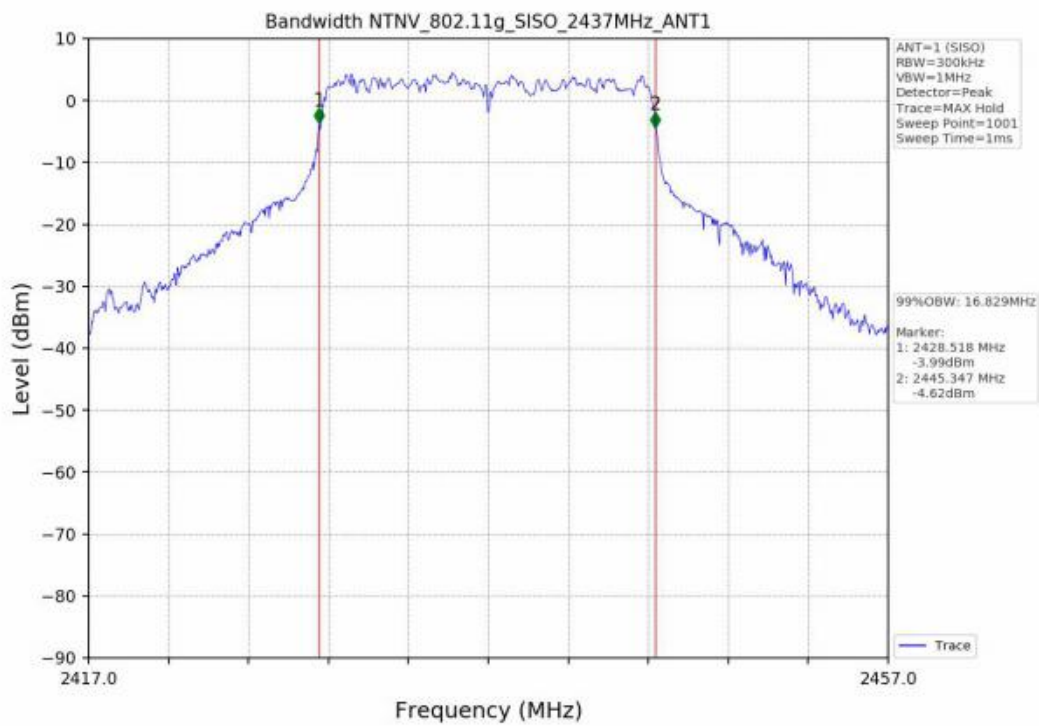
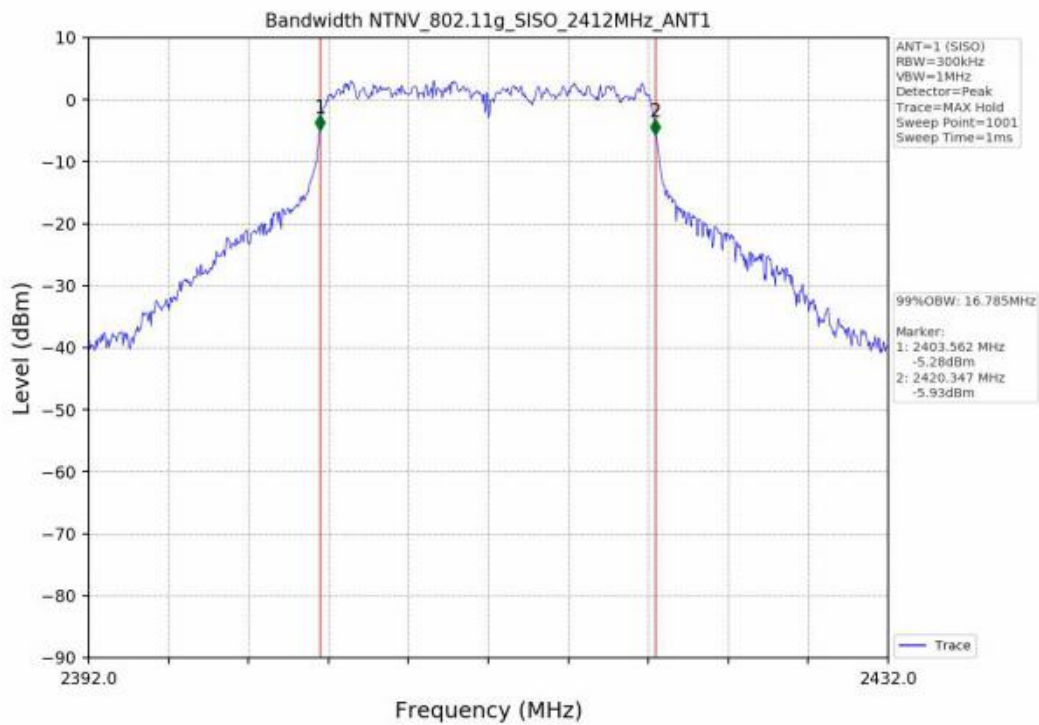


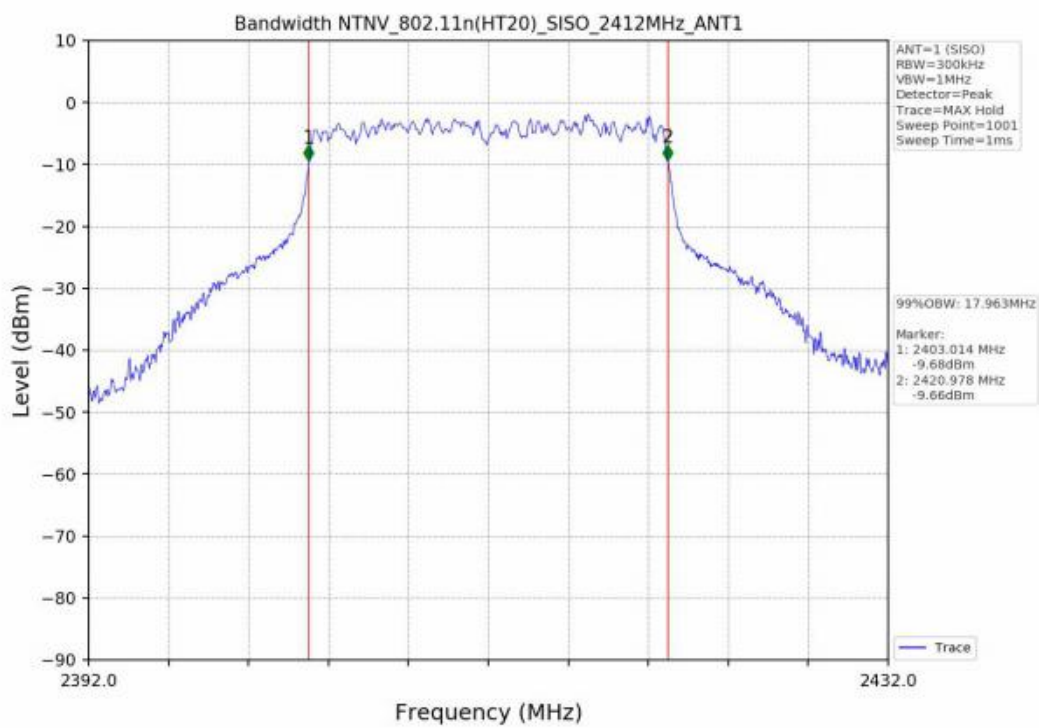
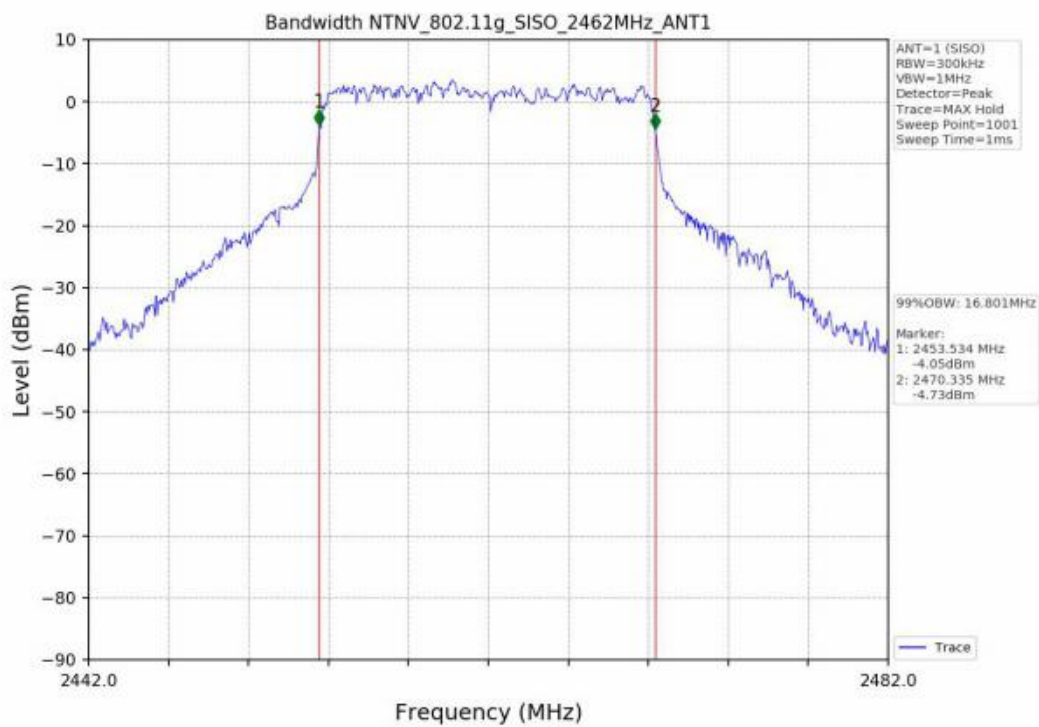


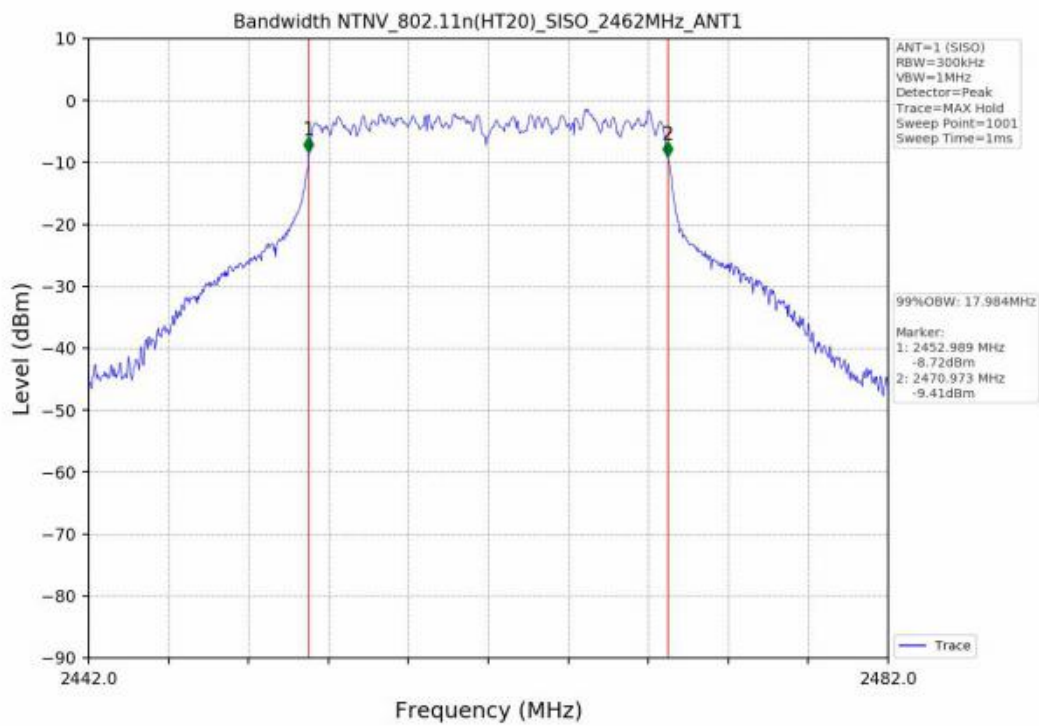
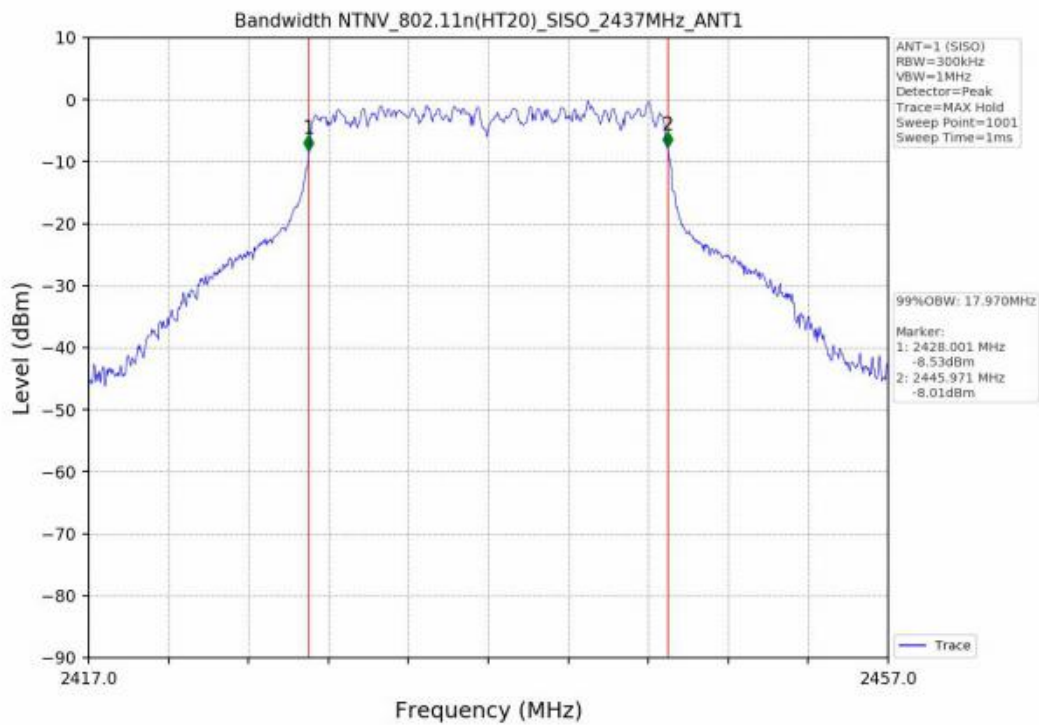
2.3 Test Graph - 99% Occupied Bandwidth









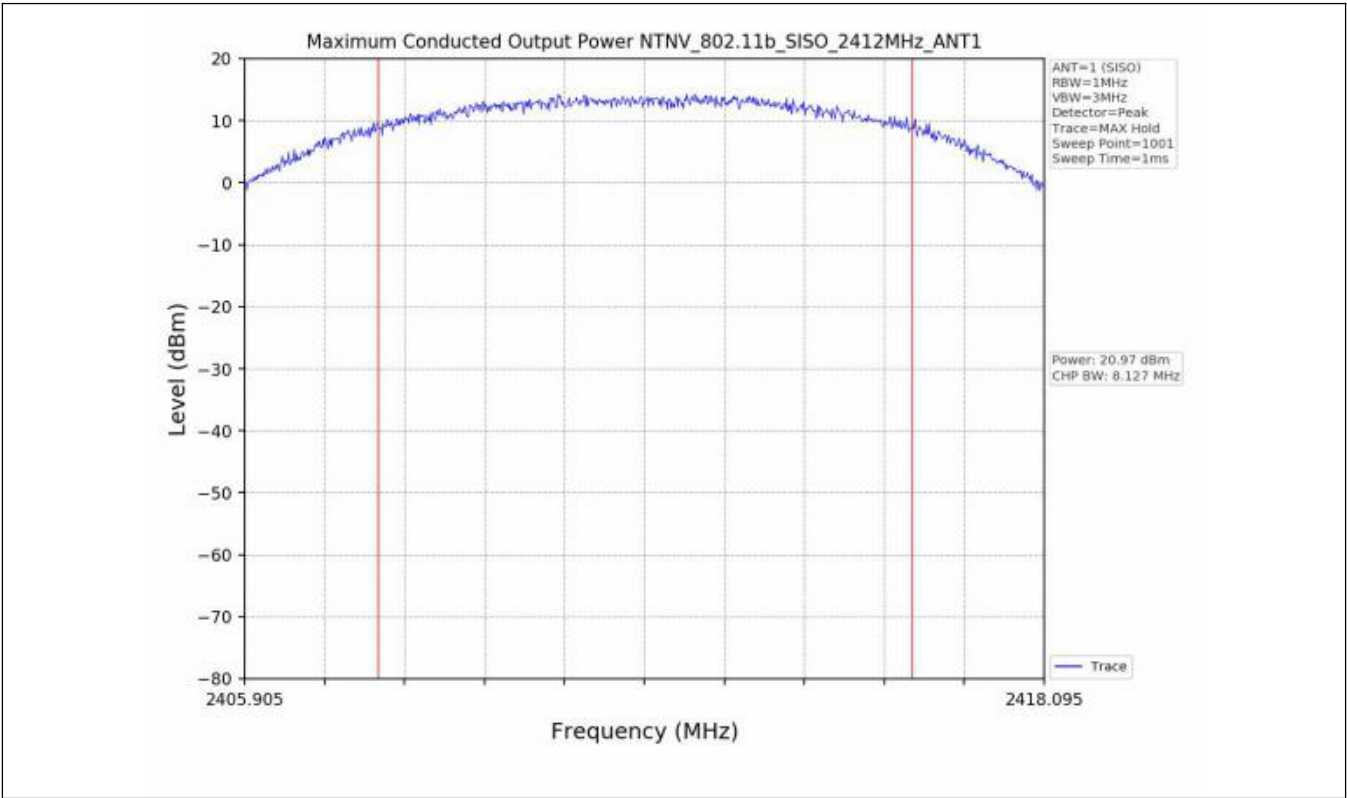


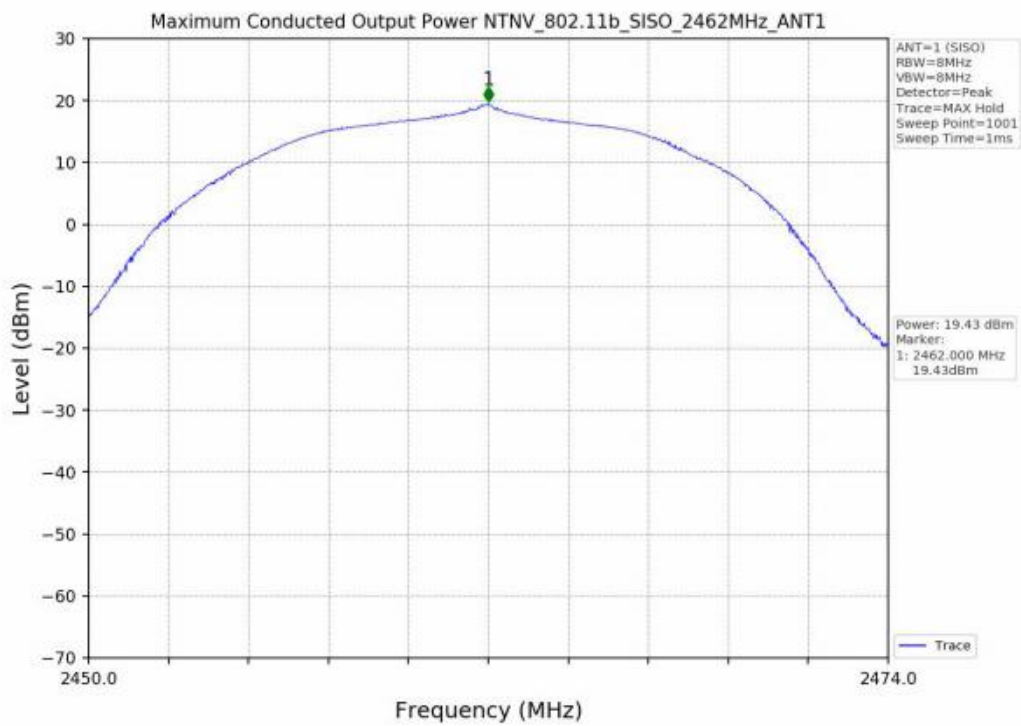
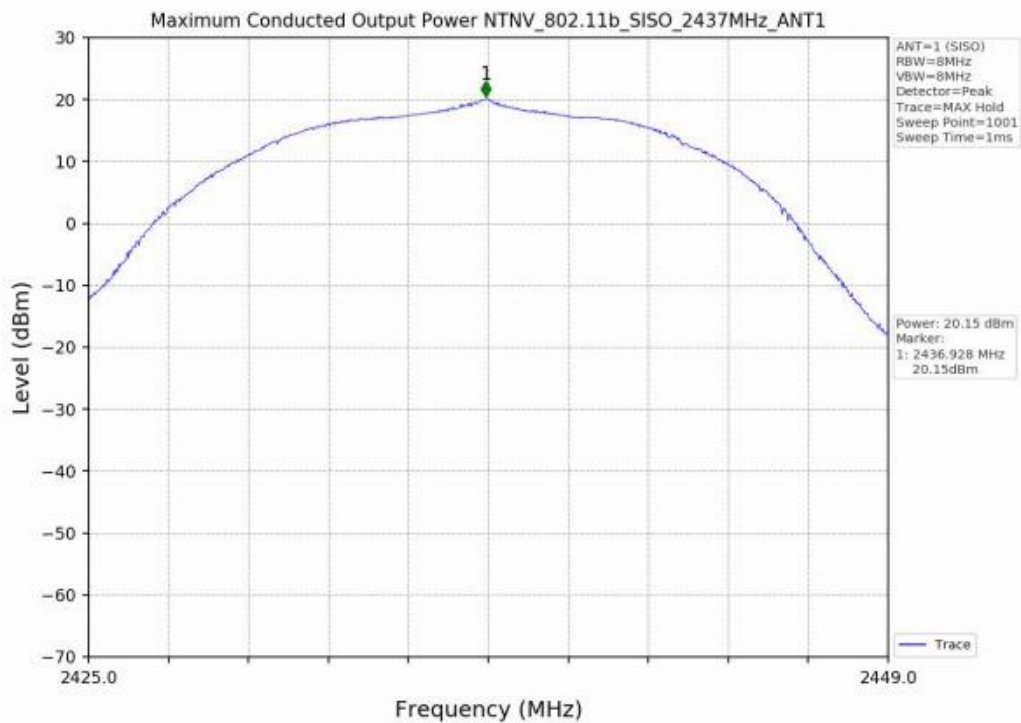
3. Maximum Conducted Output Power

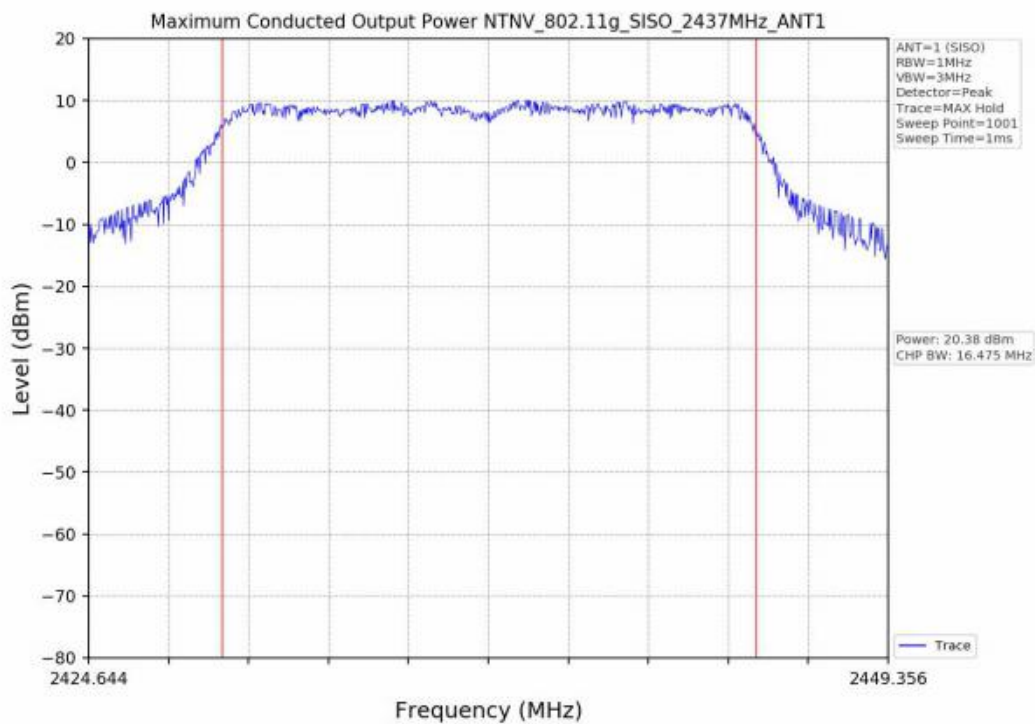
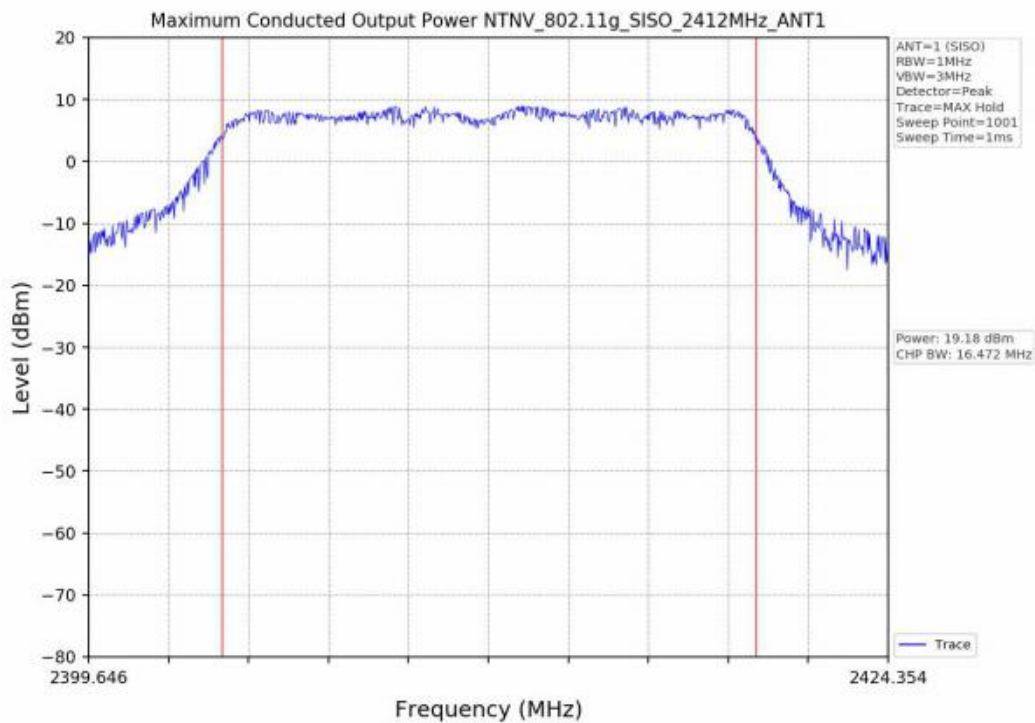
3.1 Test Result

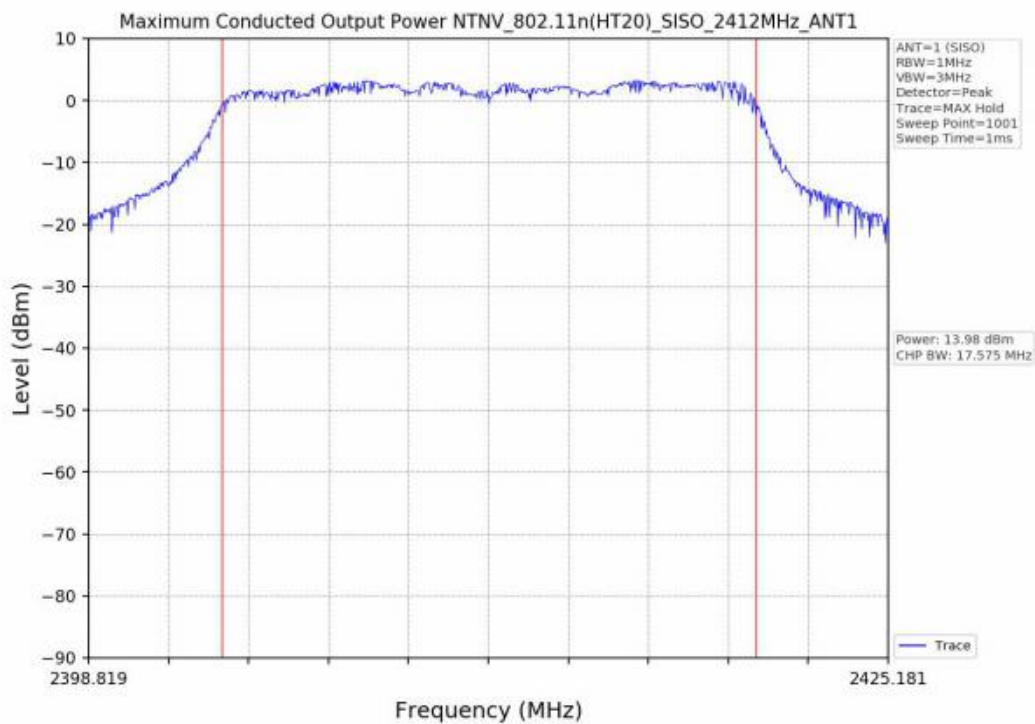
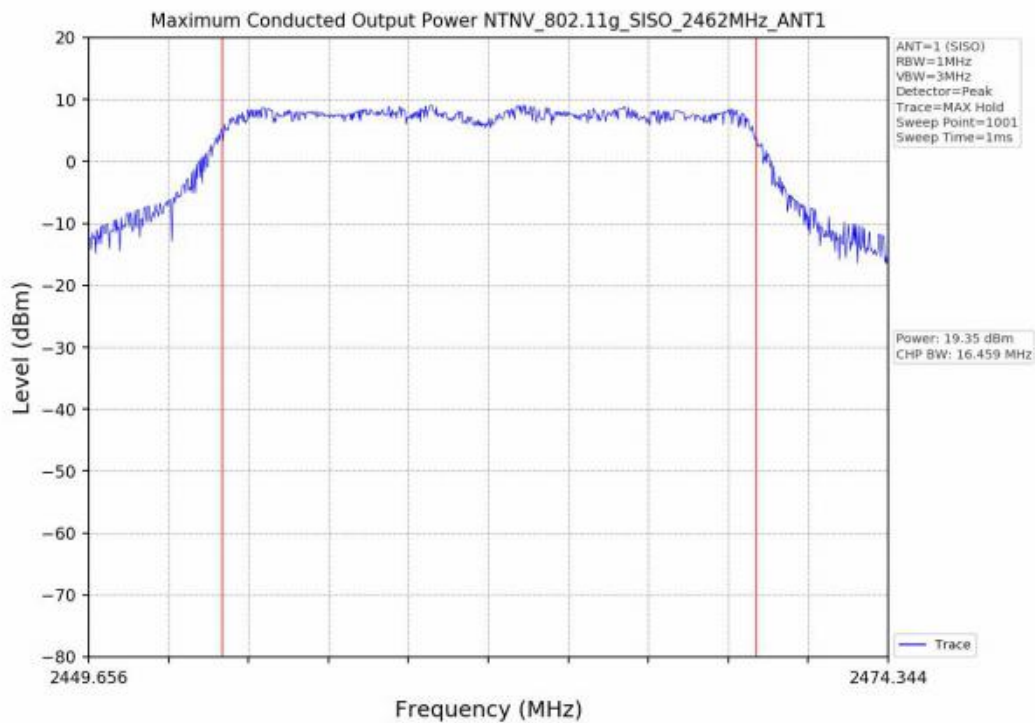
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	20.97	30	PASS
	2437	SISO	20.15	30	PASS
	2462	SISO	19.43	30	PASS
802.11g	2412	SISO	19.18	30	PASS
	2437	SISO	20.38	30	PASS
	2462	SISO	19.35	30	PASS
802.11n(HT20)	2412	SISO	13.98	30	PASS
	2437	SISO	15.65	30	PASS
	2462	SISO	14.48	30	PASS

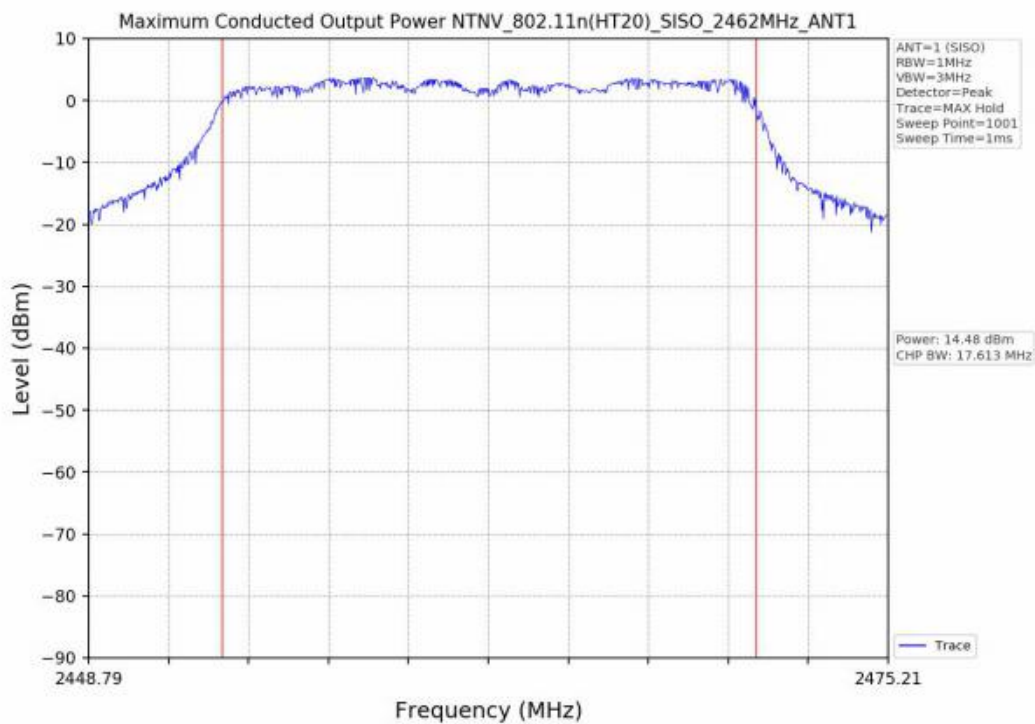
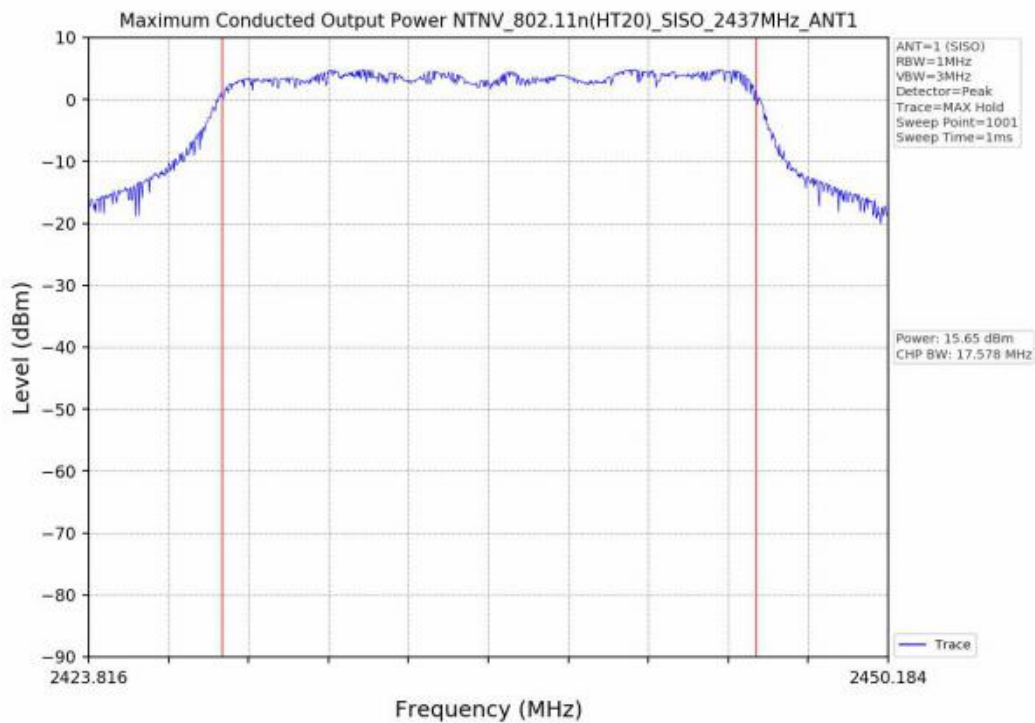
3.2 Test Graph









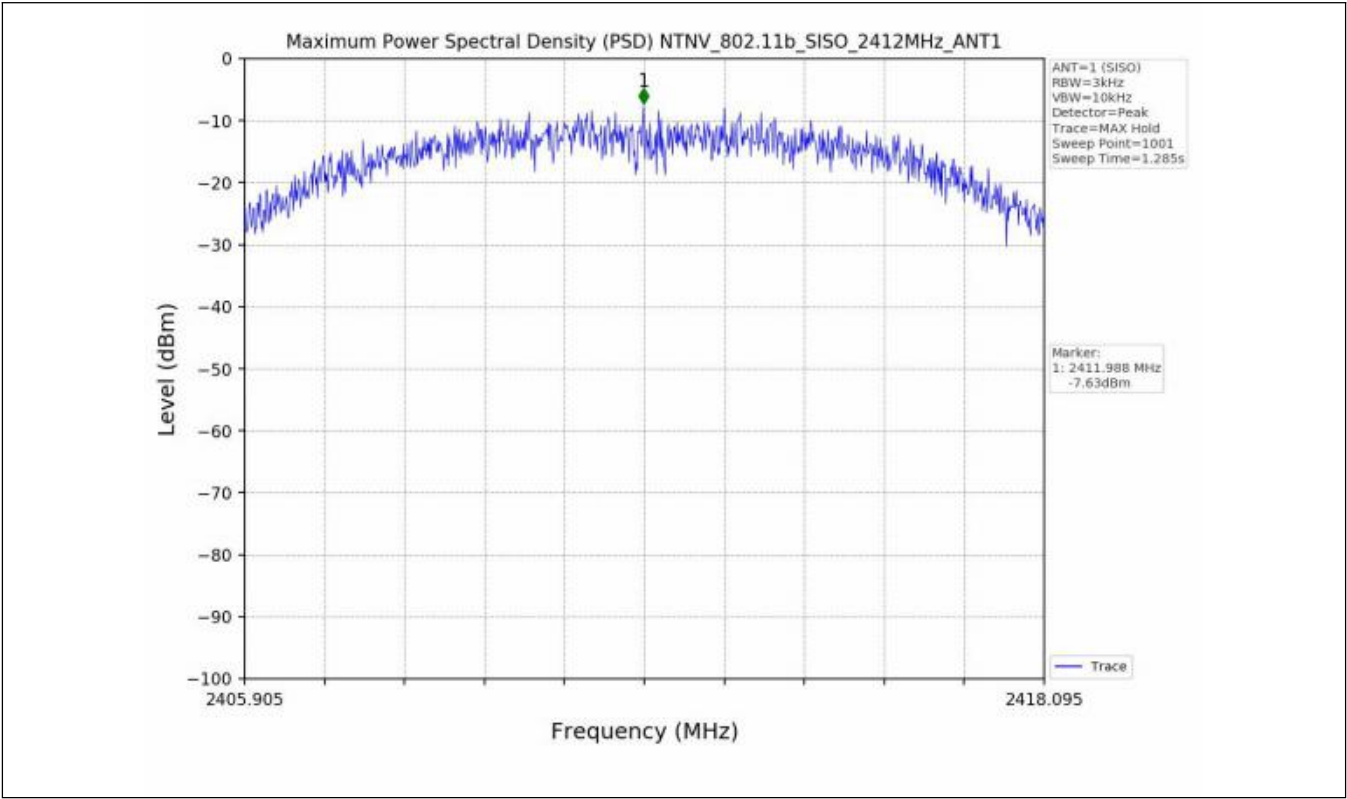


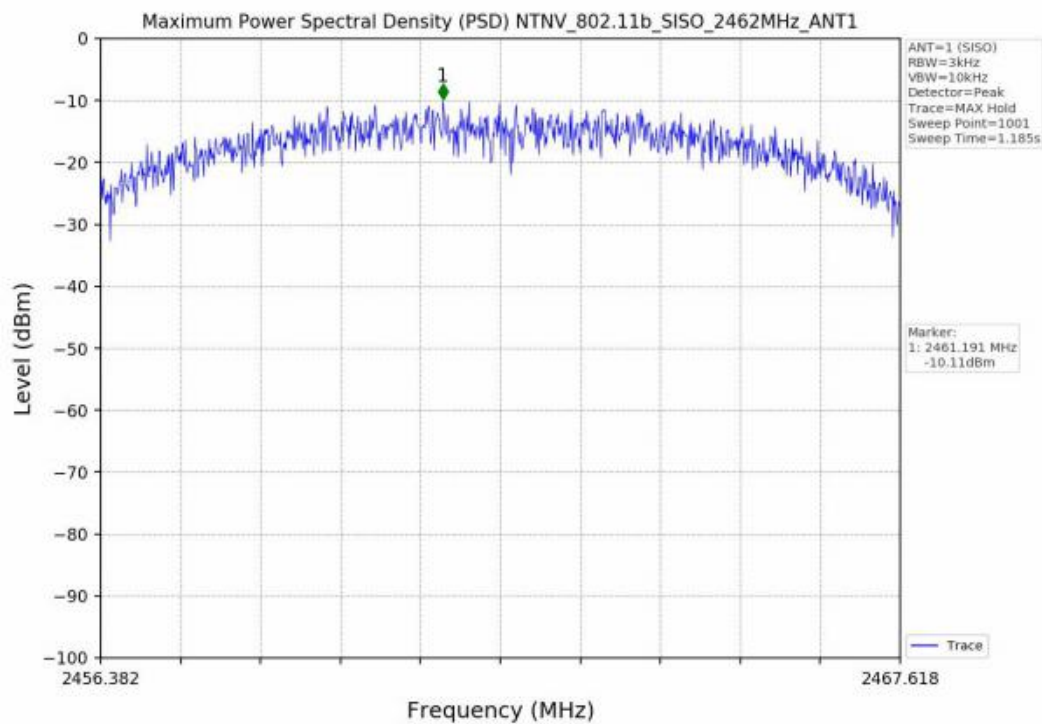
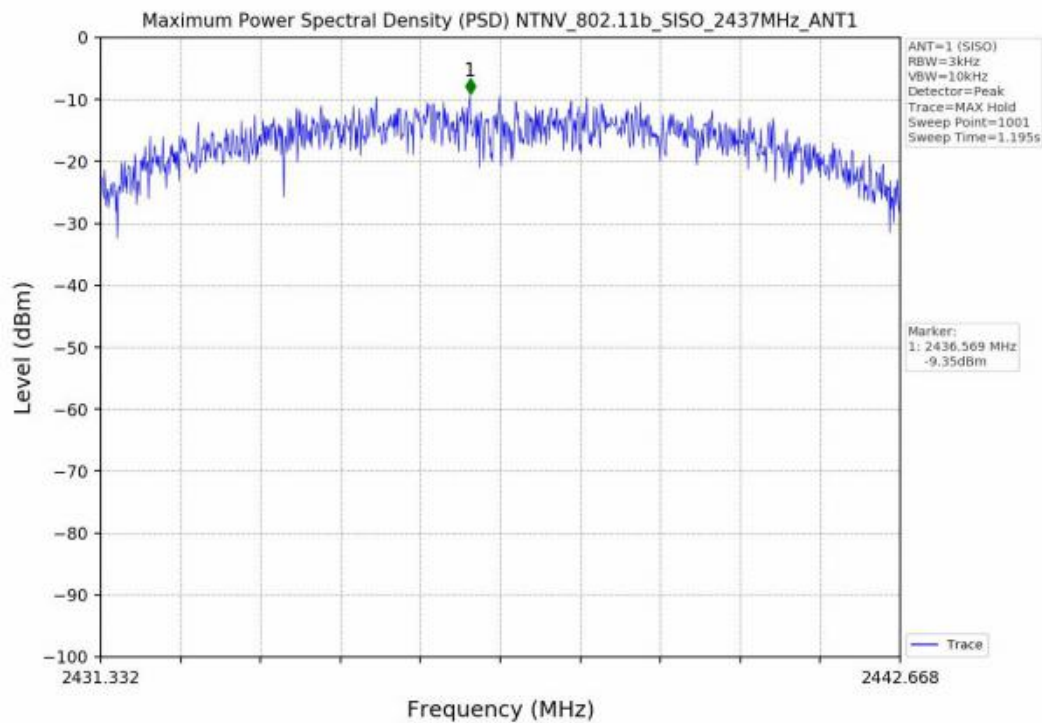
4. Maximum Power Spectral Density (PSD)

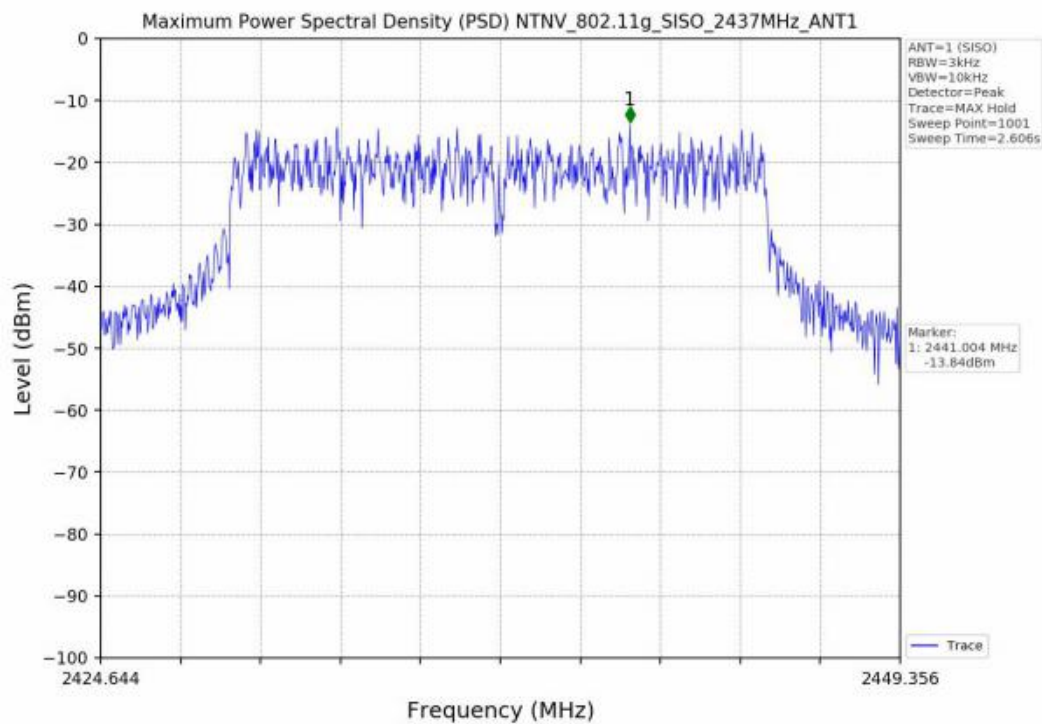
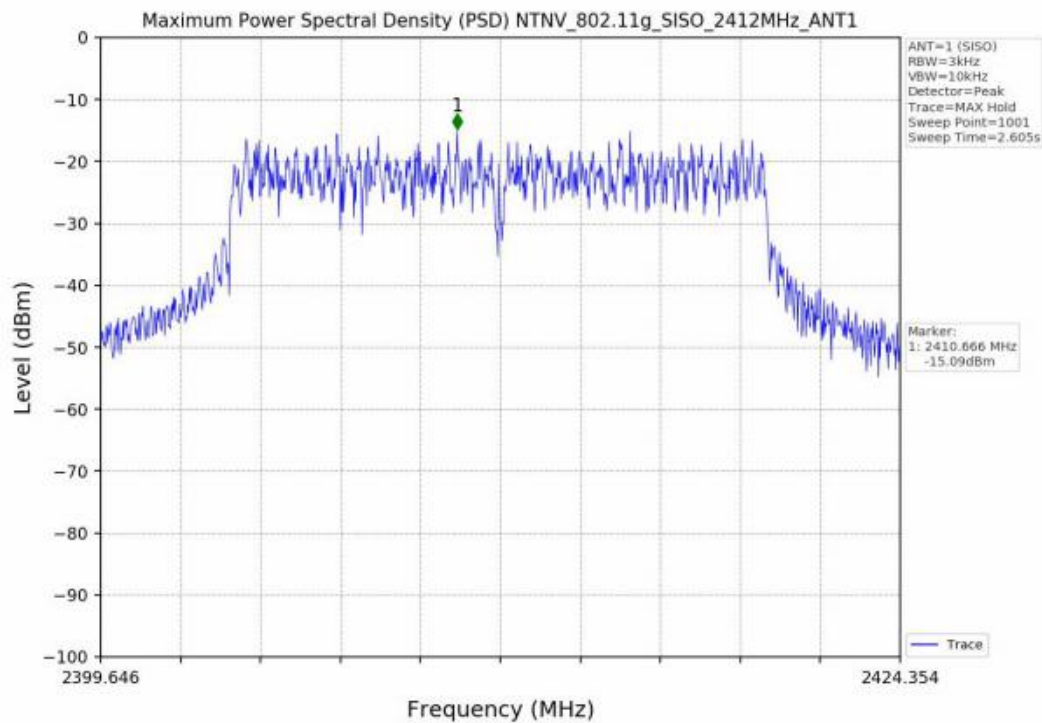
4.1 Test Result

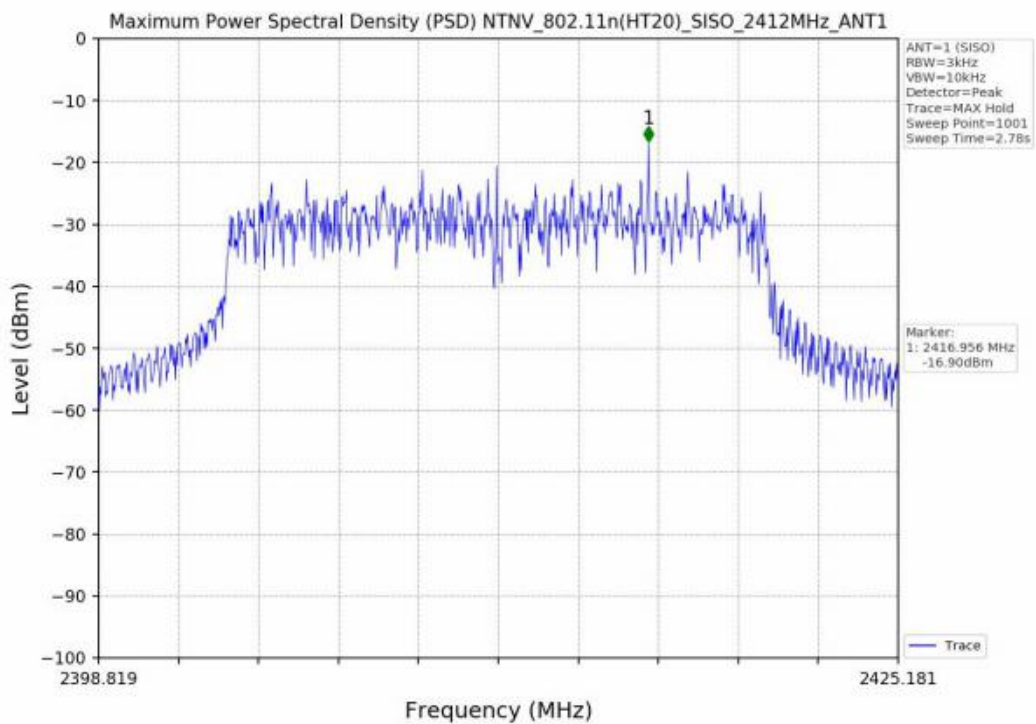
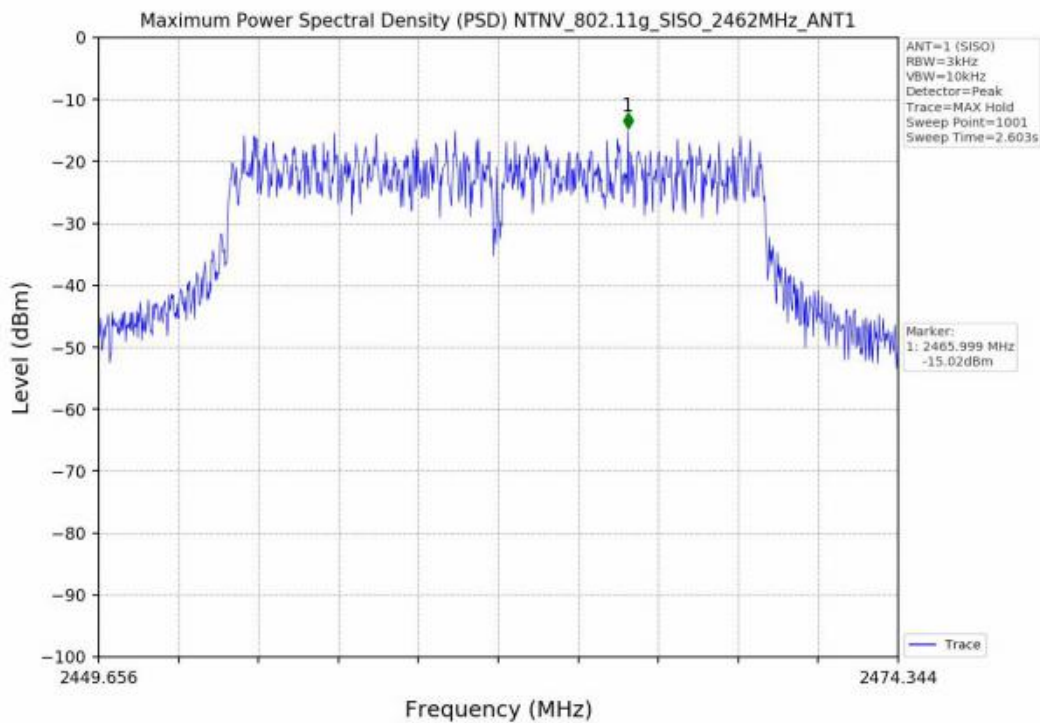
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-7.63	≤8	PASS
	2437	SISO	-9.35	≤8	PASS
	2462	SISO	-10.11	≤8	PASS
802.11g	2412	SISO	-15.09	≤8	PASS
	2437	SISO	-13.84	≤8	PASS
	2462	SISO	-15.02	≤8	PASS
802.11n(HT20)	2412	SISO	-16.90	≤8	PASS
	2437	SISO	-15.26	≤8	PASS
	2462	SISO	-16.55	≤8	PASS

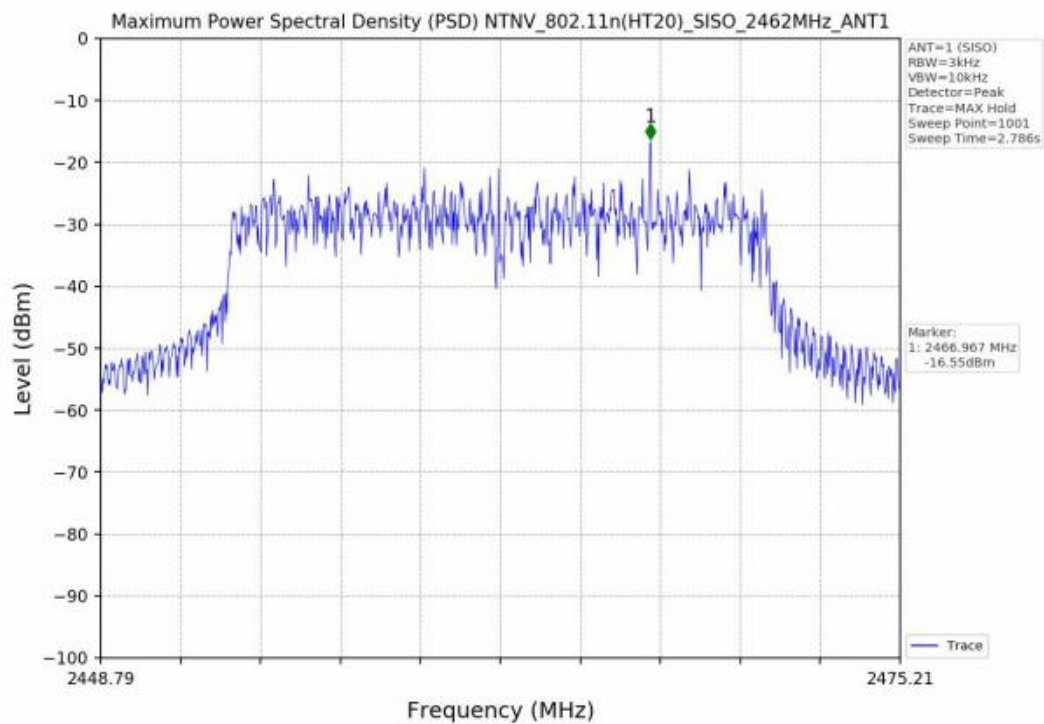
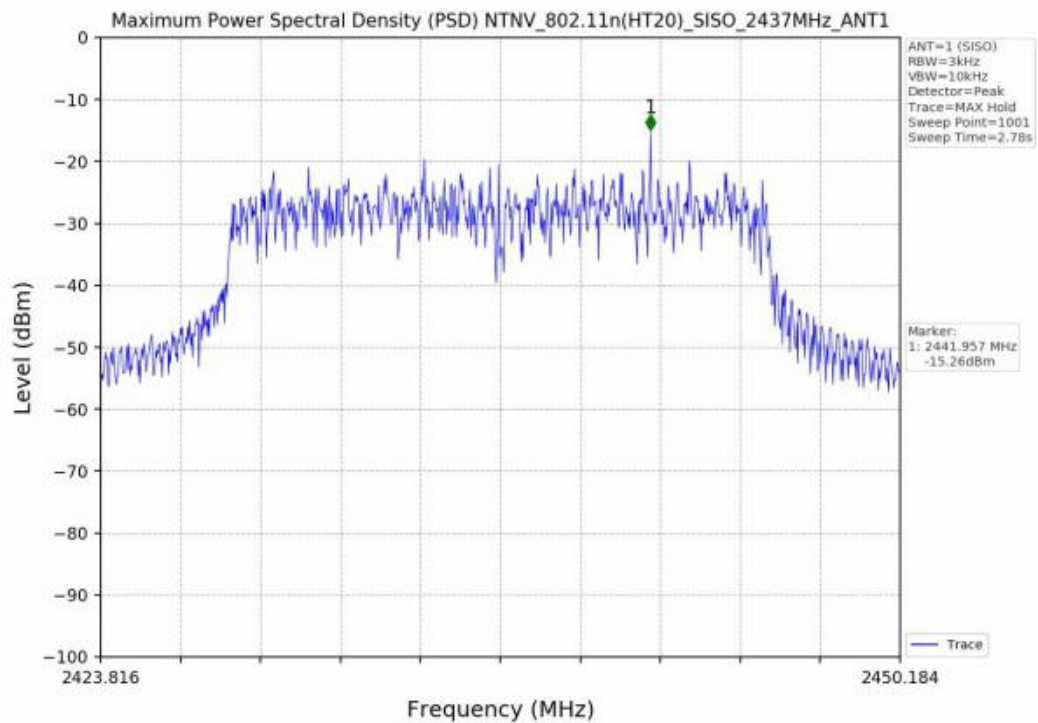
4.2 Test Graph









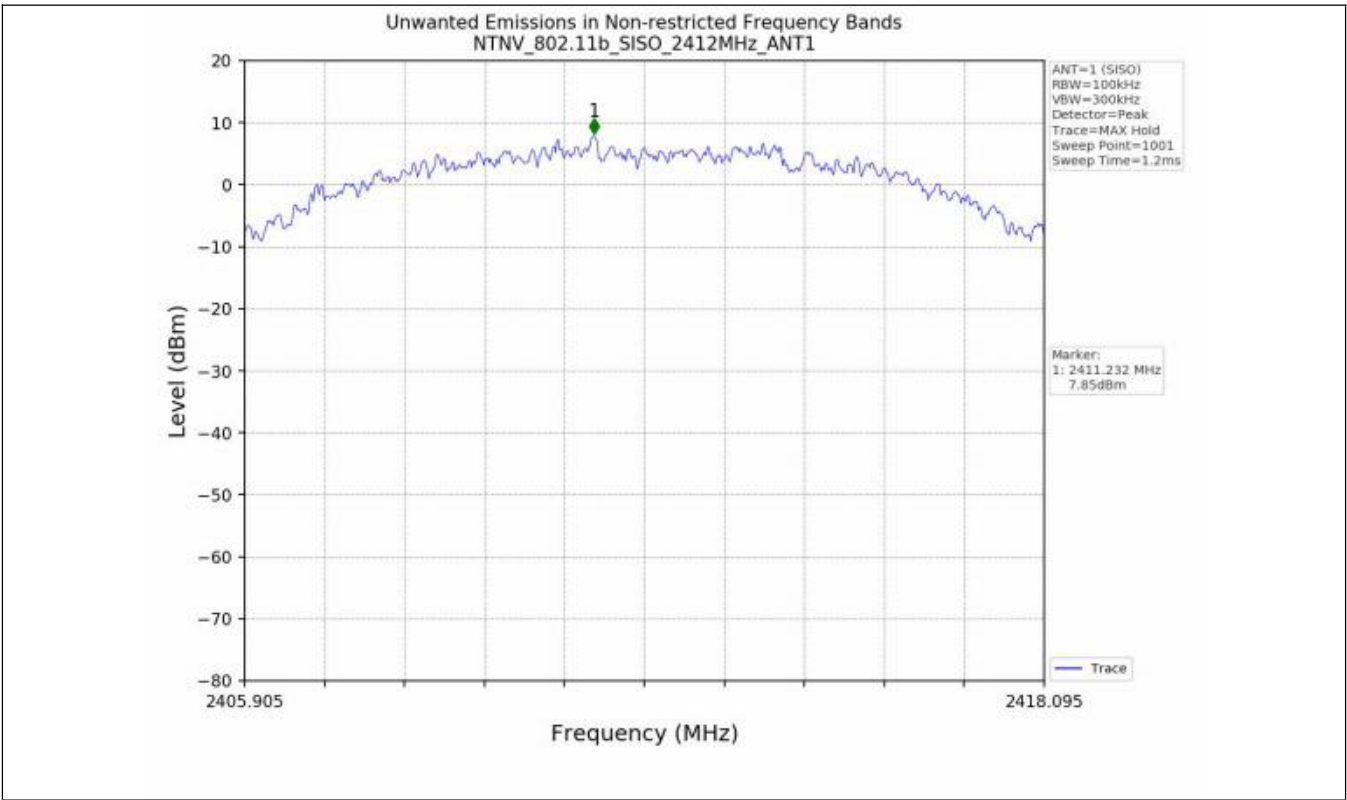


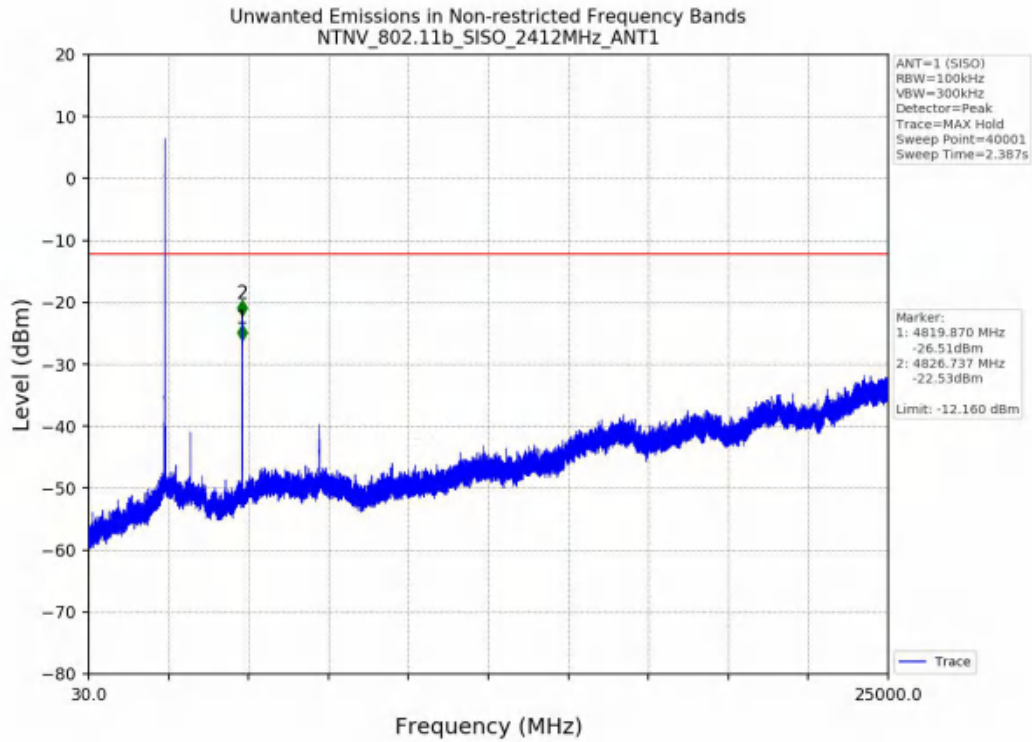
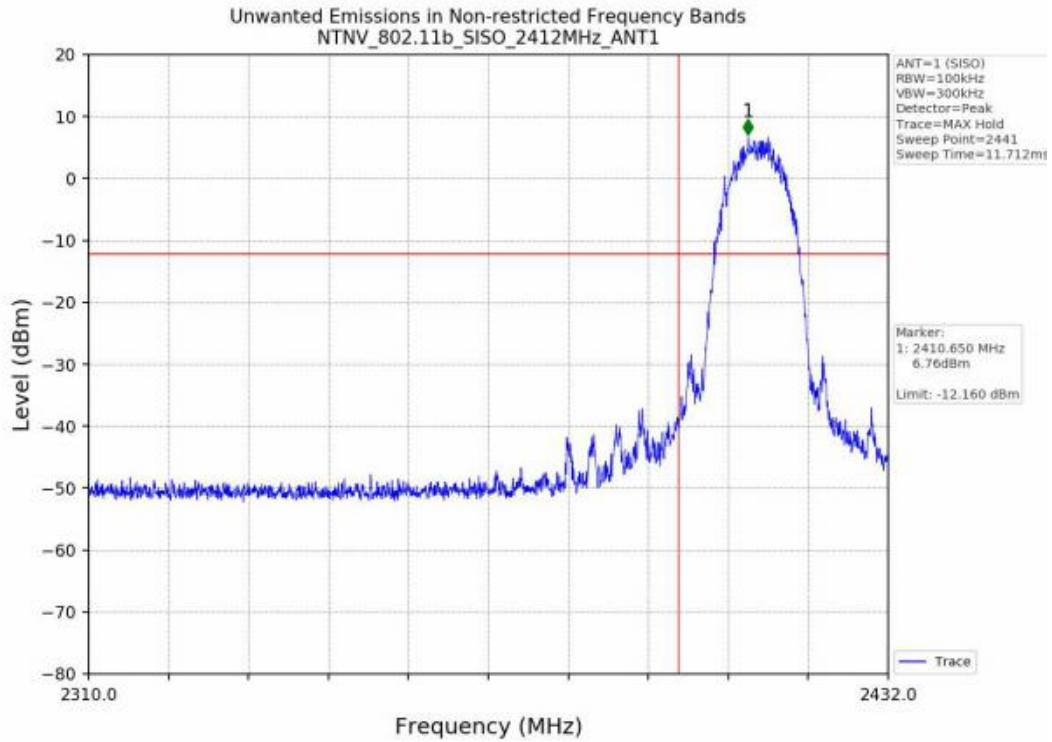
5. Unwanted Emissions in Non-restricted Frequency Bands

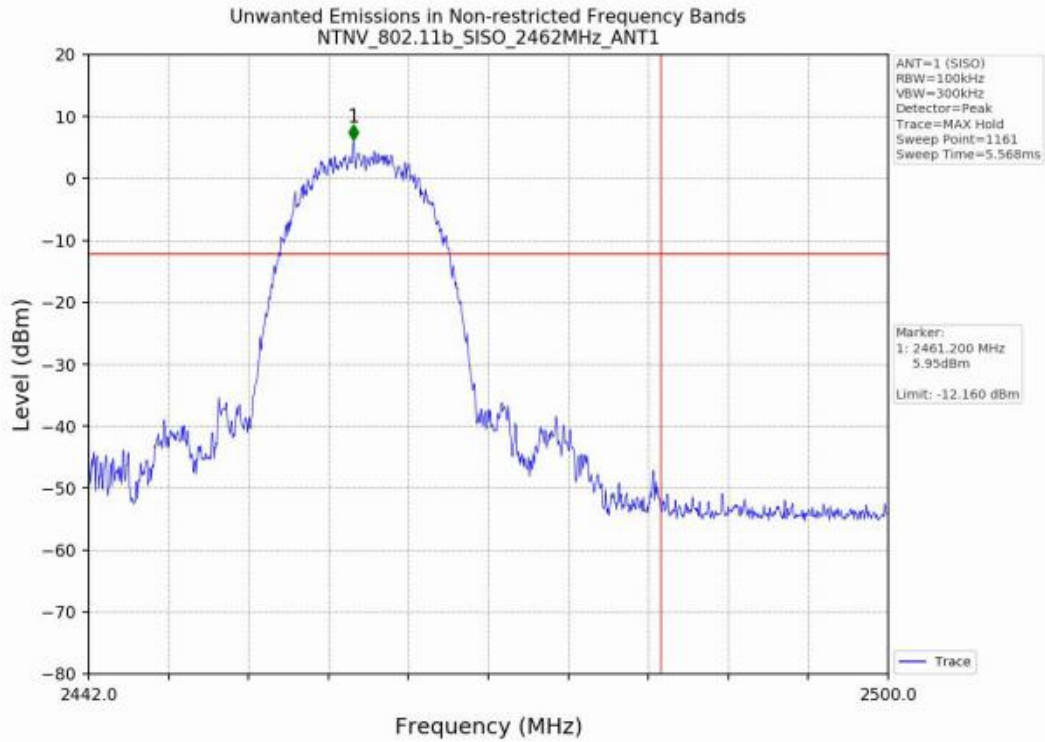
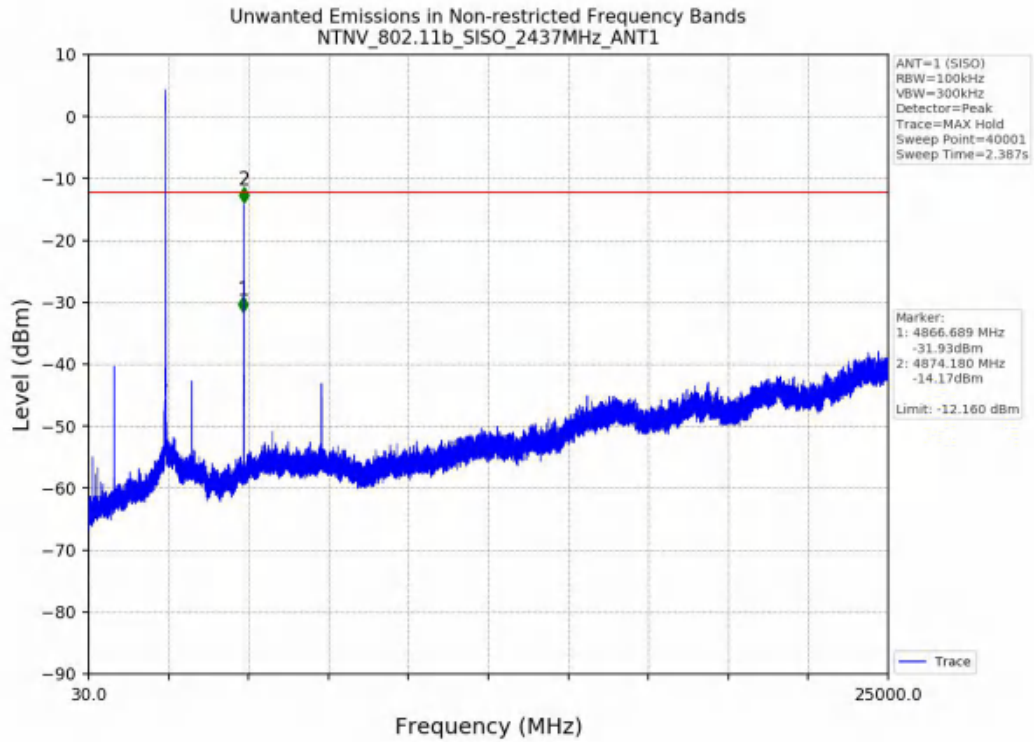
5.1 Test Result

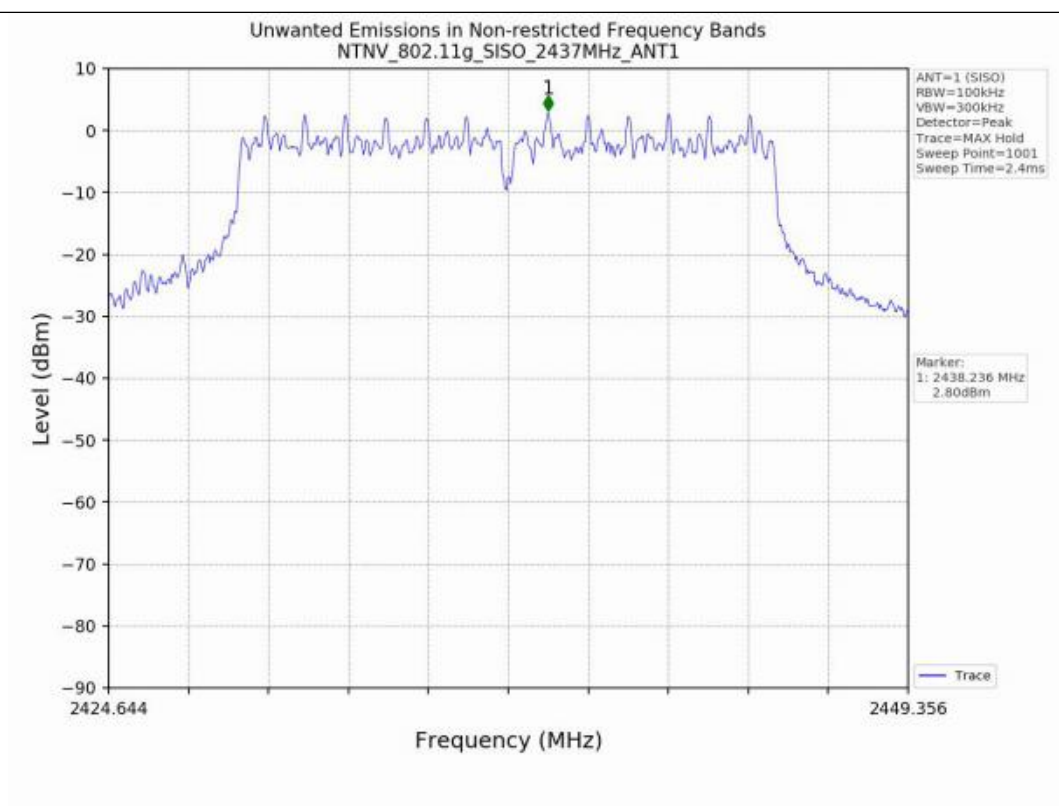
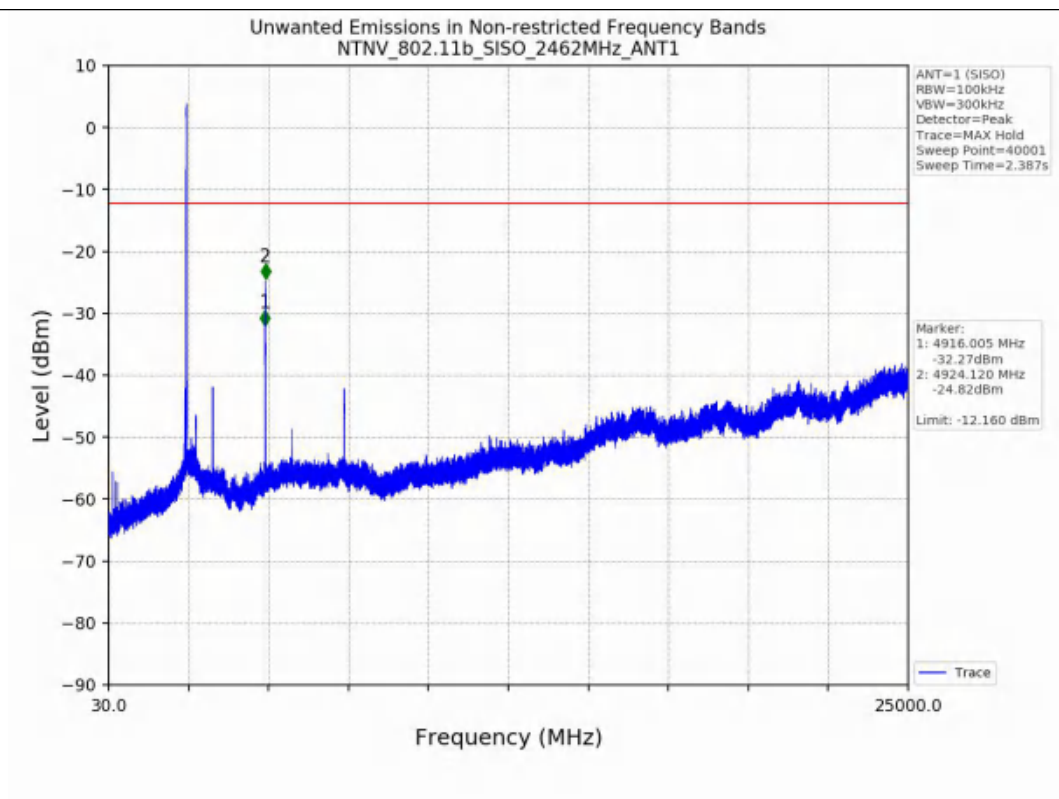
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-12.16	PASS
	2437	SISO	1	Refer to test graph	-12.16	PASS
	2462	SISO	1	Refer to test graph	-12.16	PASS
802.11g	2412	SISO	1	Refer to test graph	-17.20	PASS
	2437	SISO	1	Refer to test graph	-17.20	PASS
	2462	SISO	1	Refer to test graph	-17.20	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-22.02	PASS
	2437	SISO	1	Refer to test graph	-22.02	PASS
	2462	SISO	1	Refer to test graph	-22.02	PASS

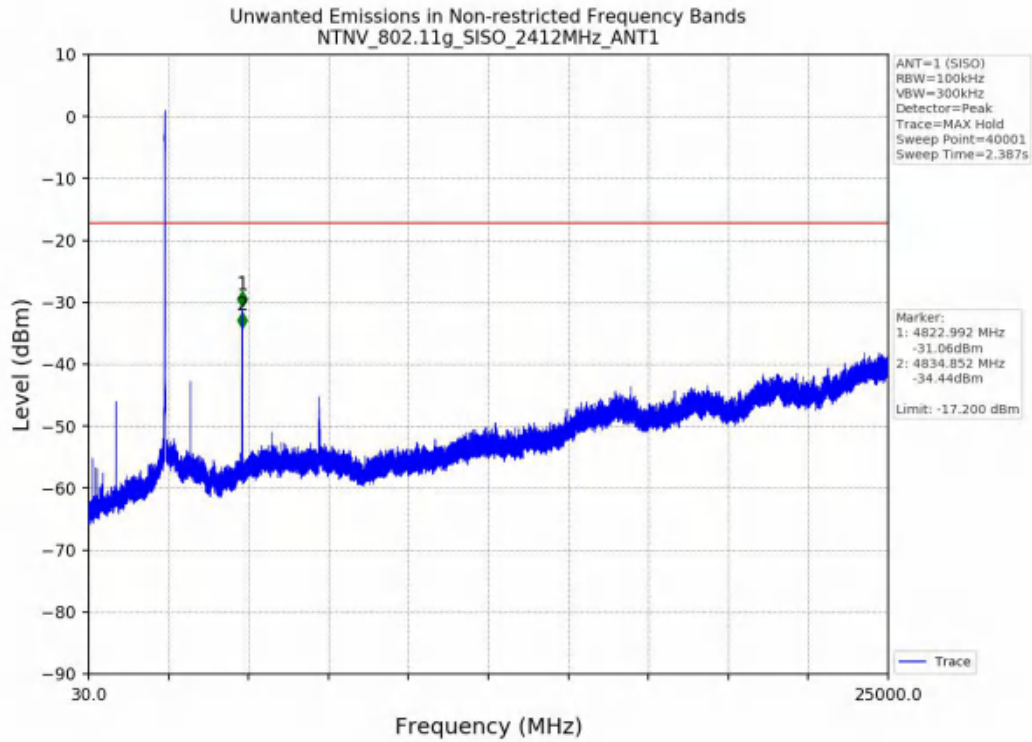
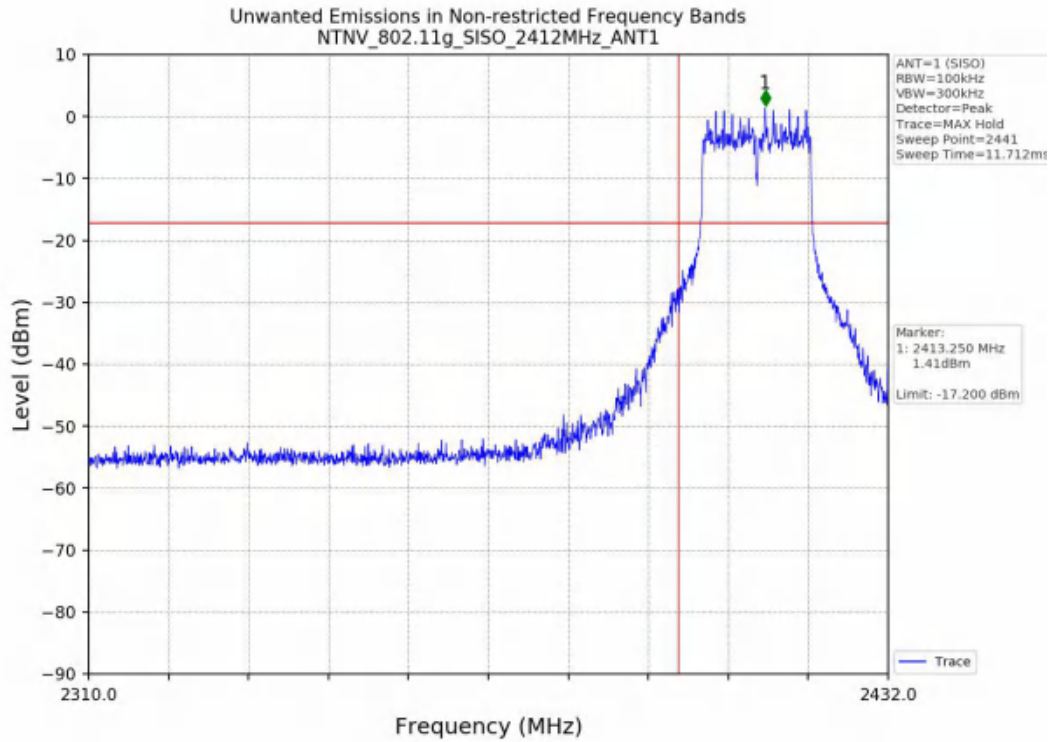
5.2 Test Graph

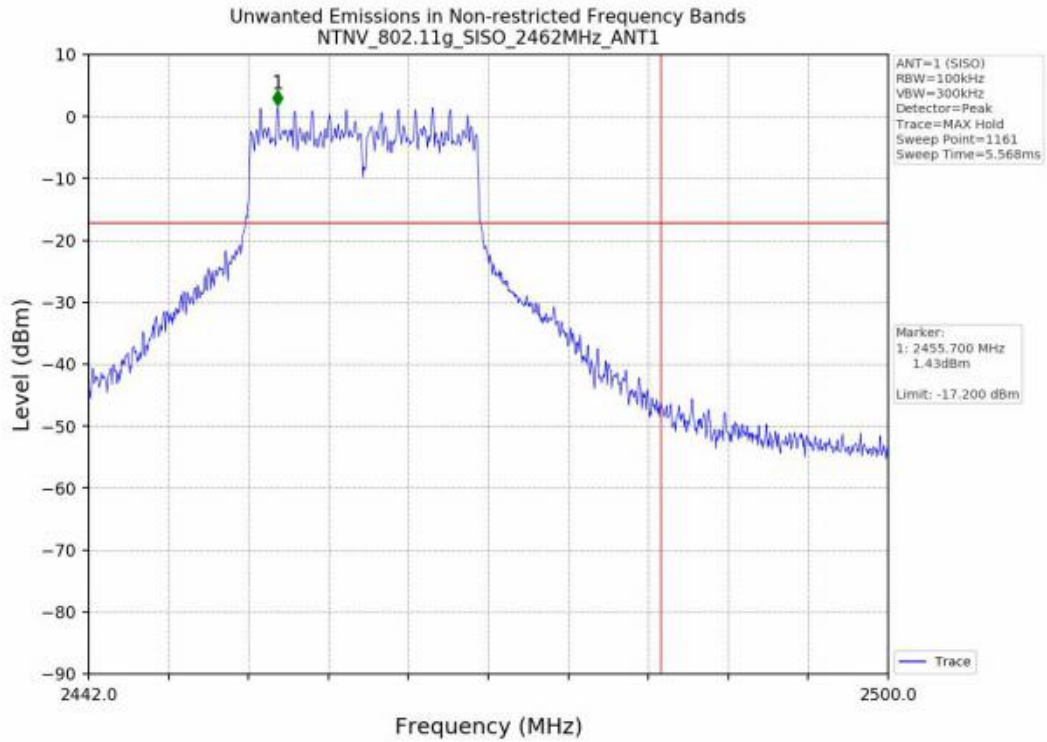
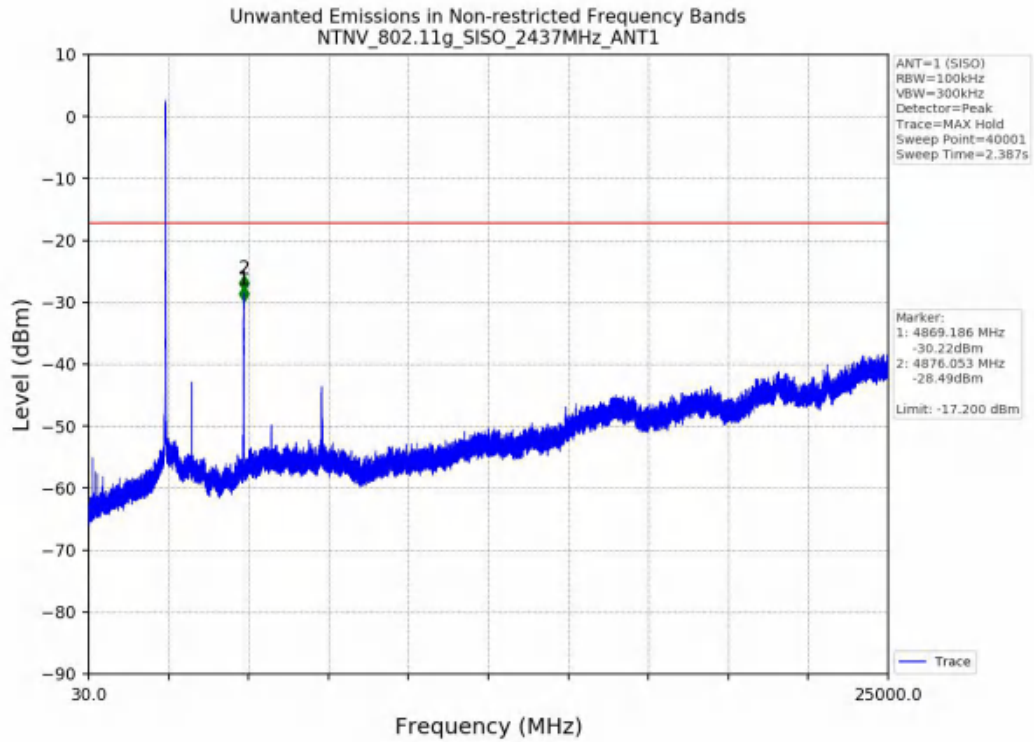


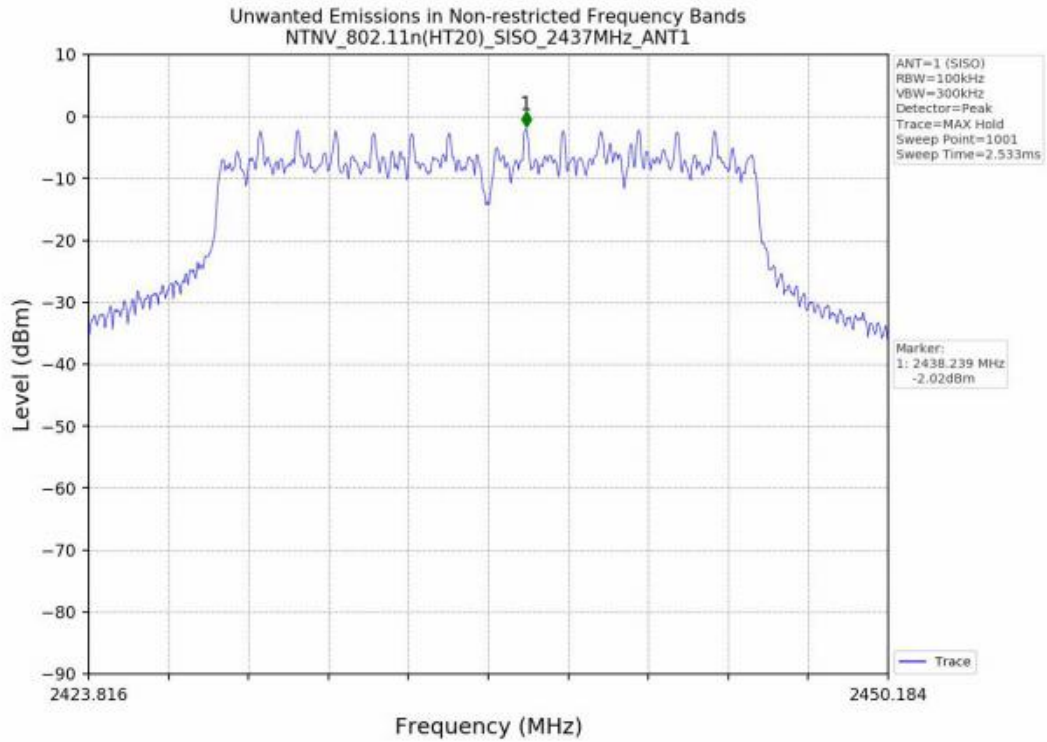
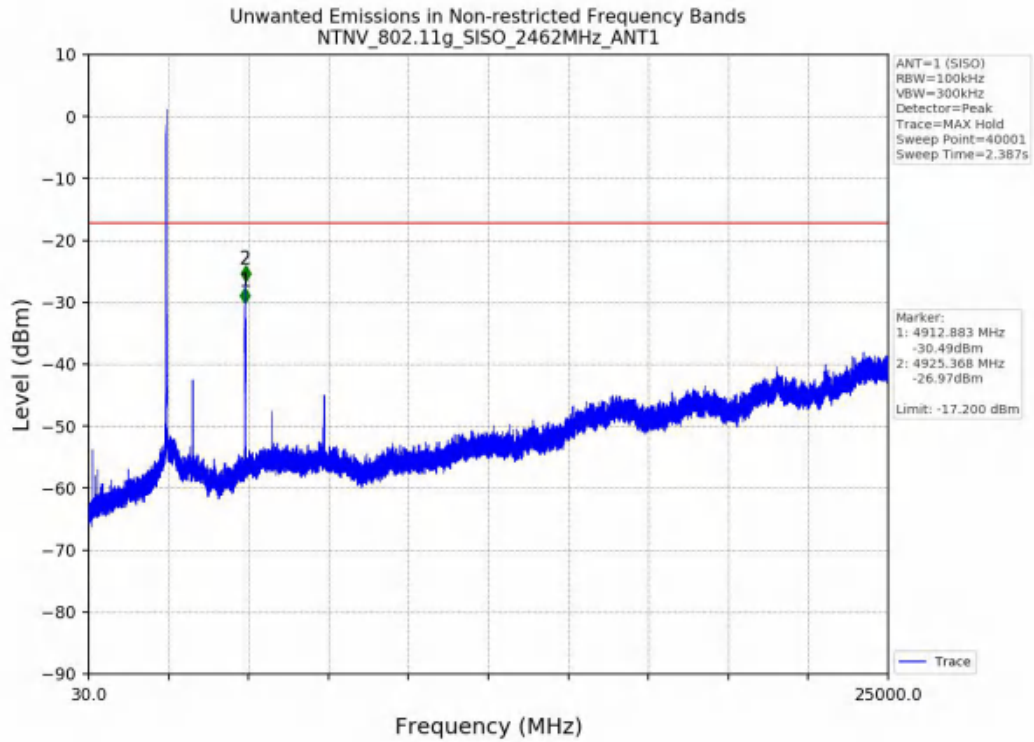


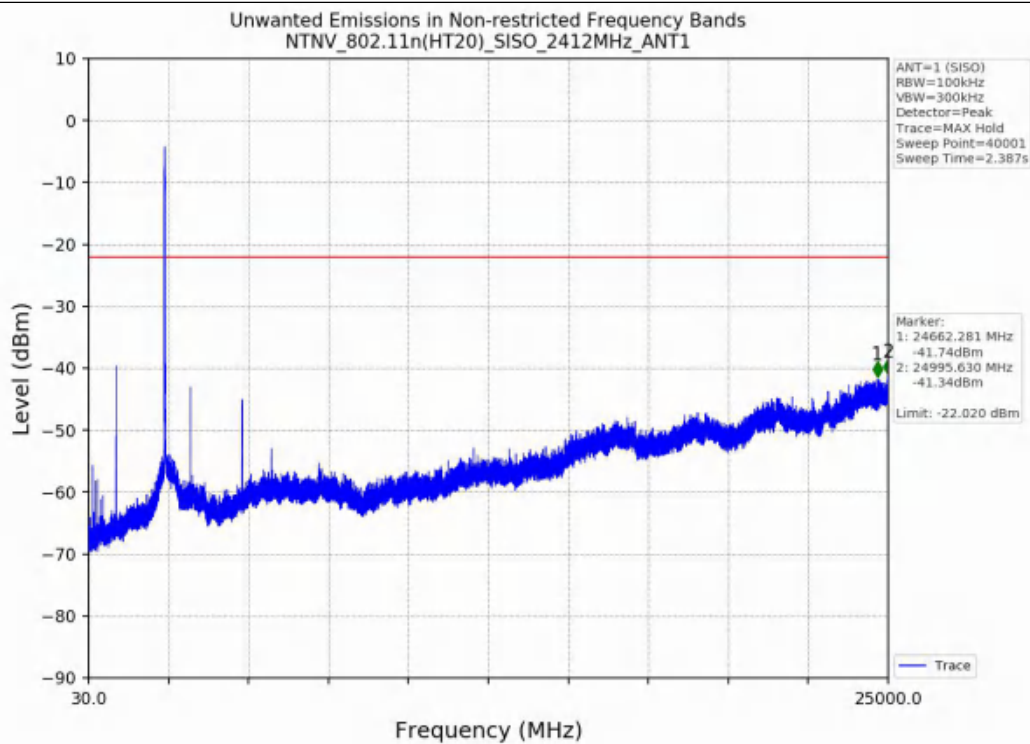
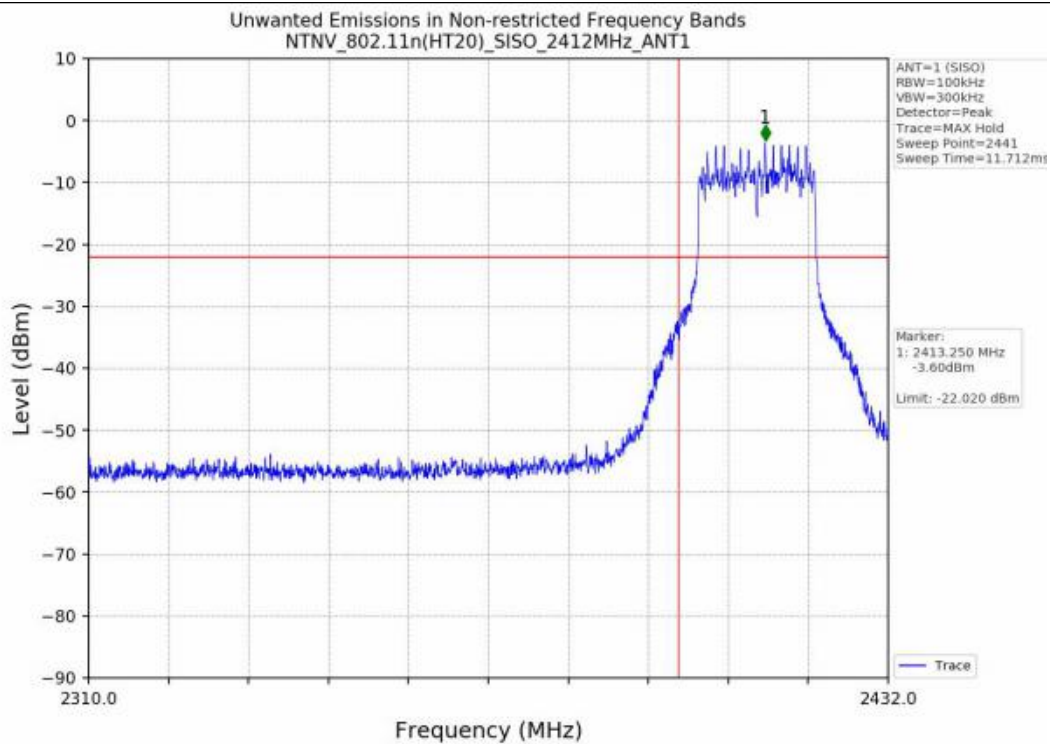


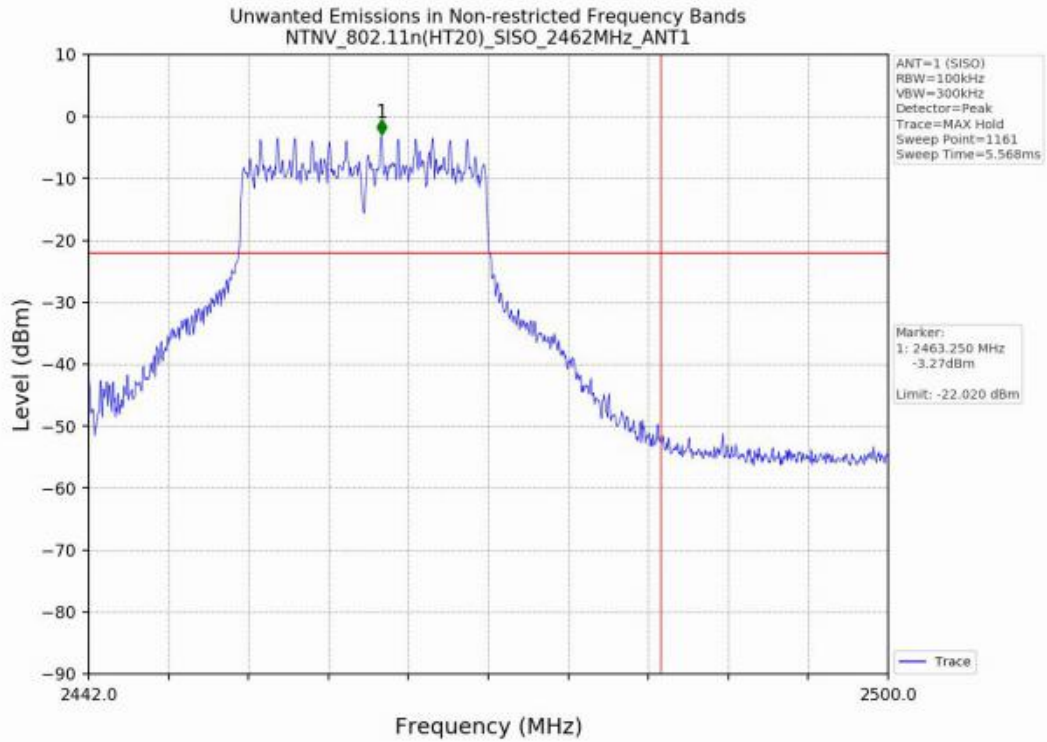
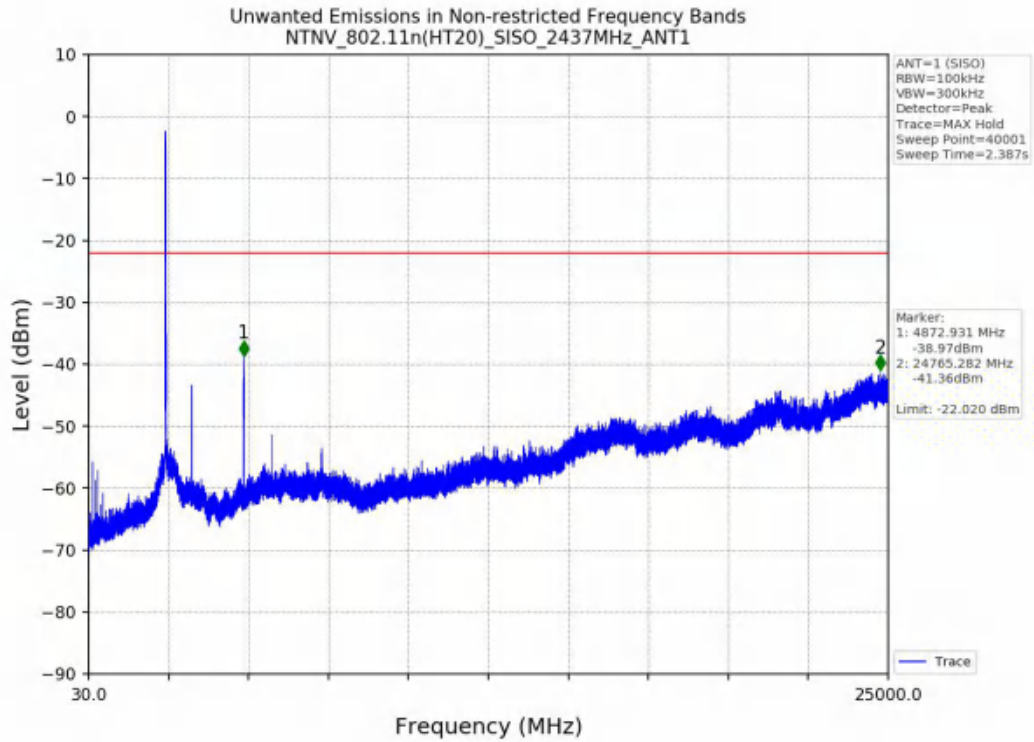












Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_SISO_2462MHz_ANT1

