

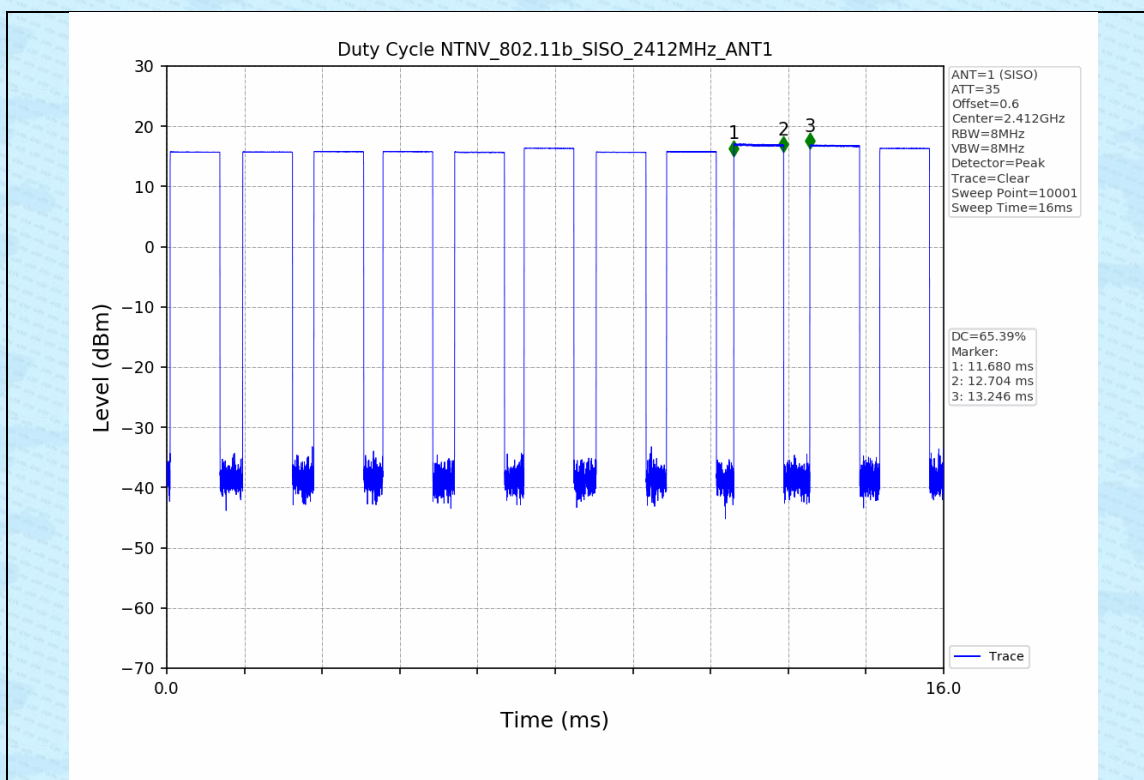
Appendix for 15.247

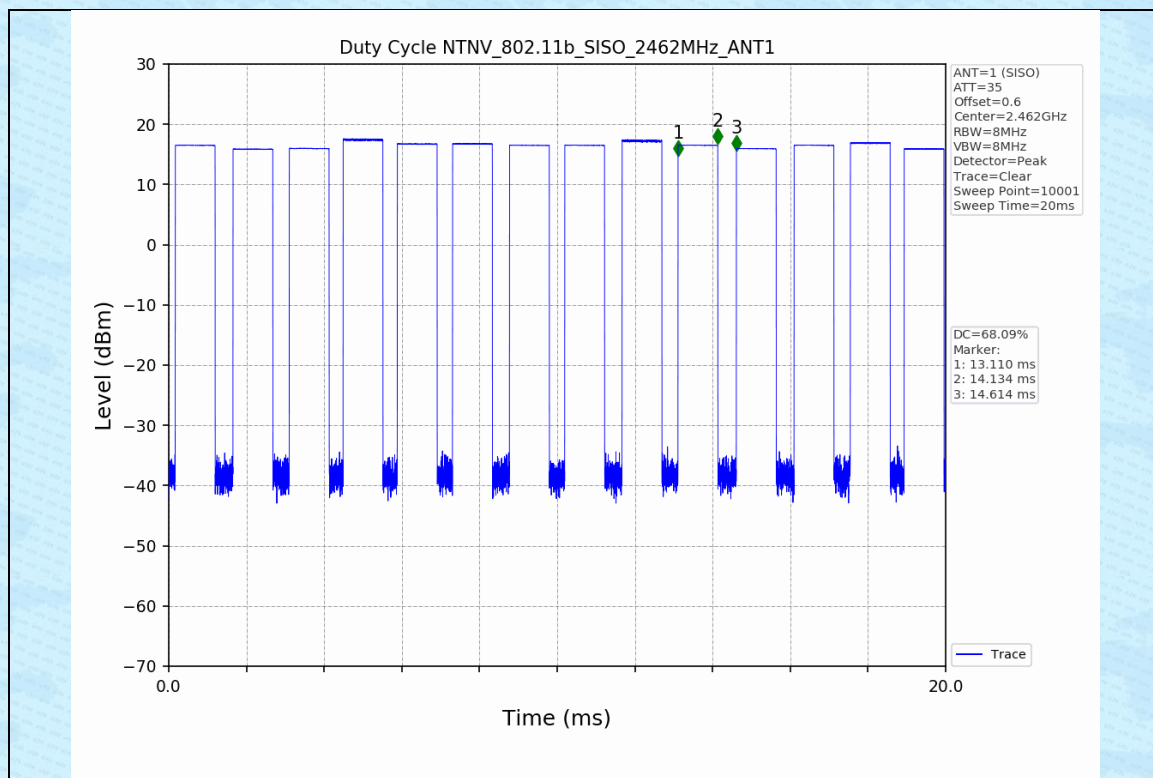
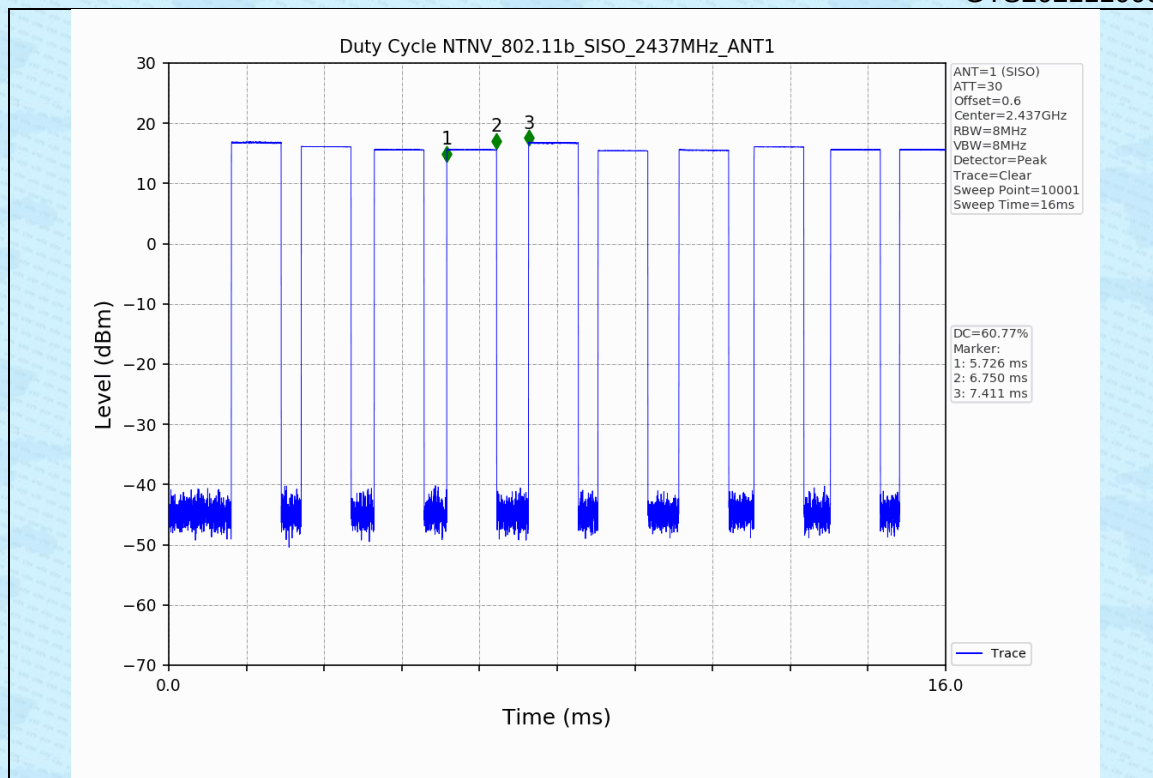
1. Duty Cycle

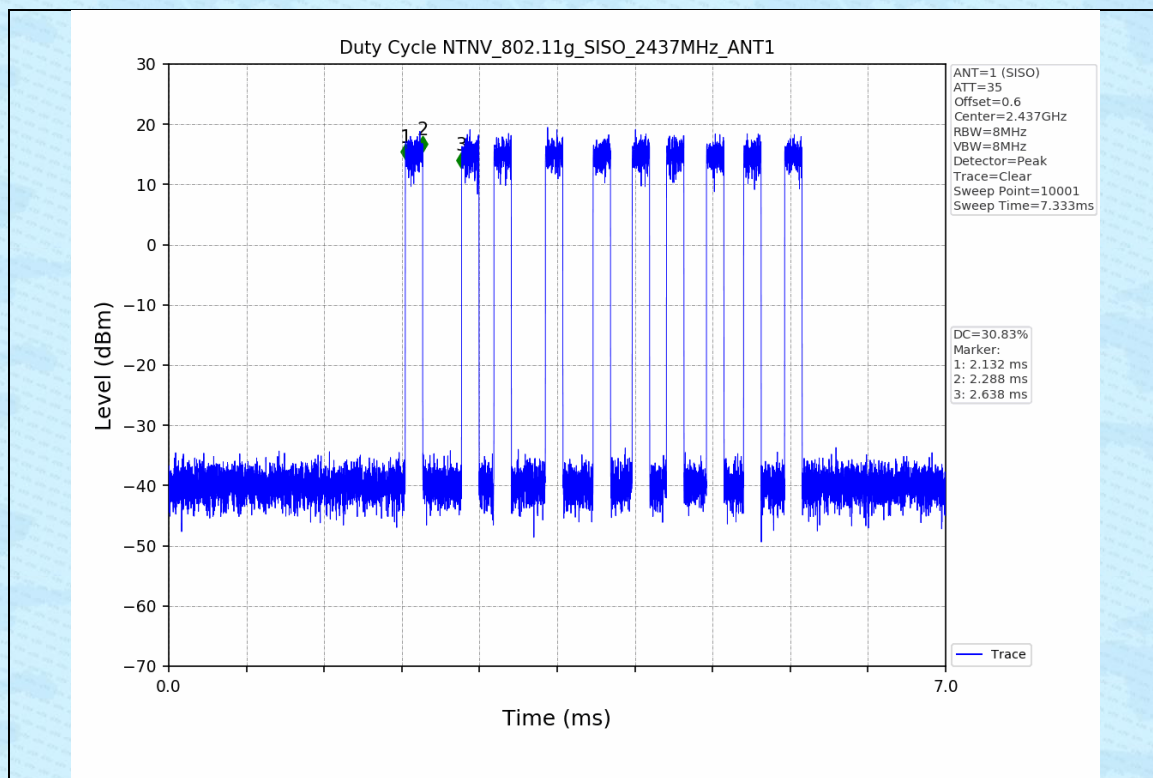
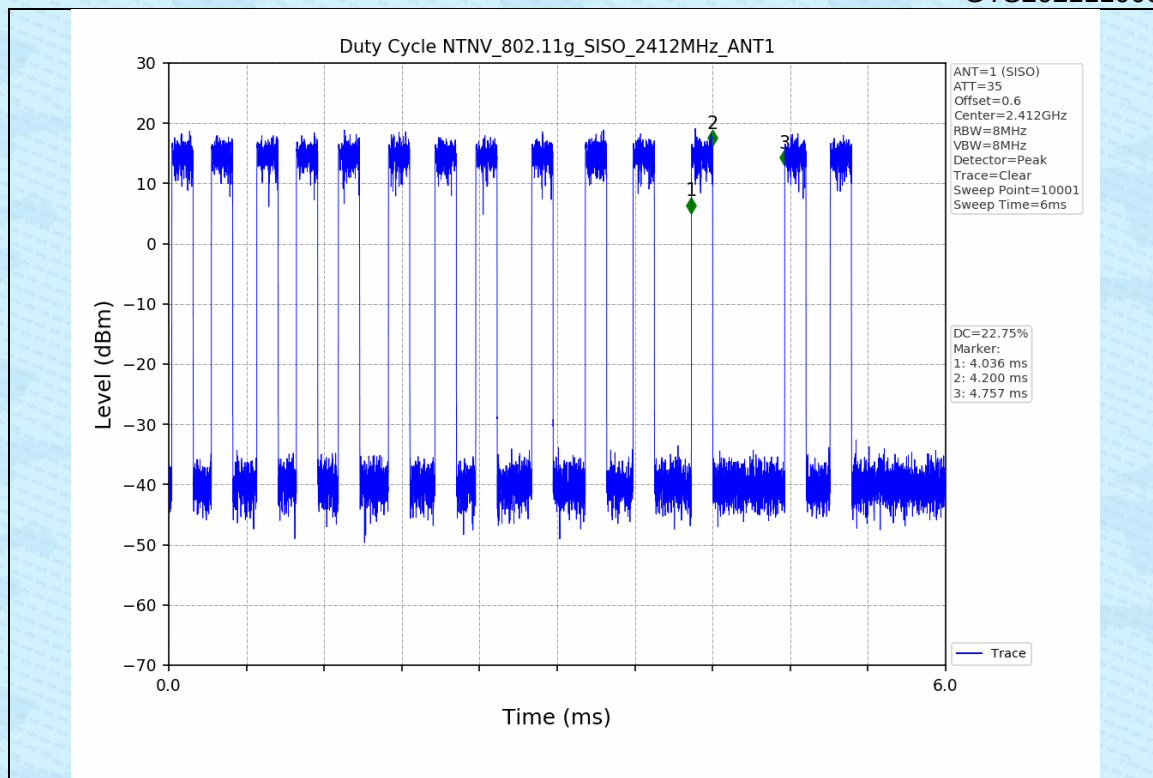
1.1 Test Result

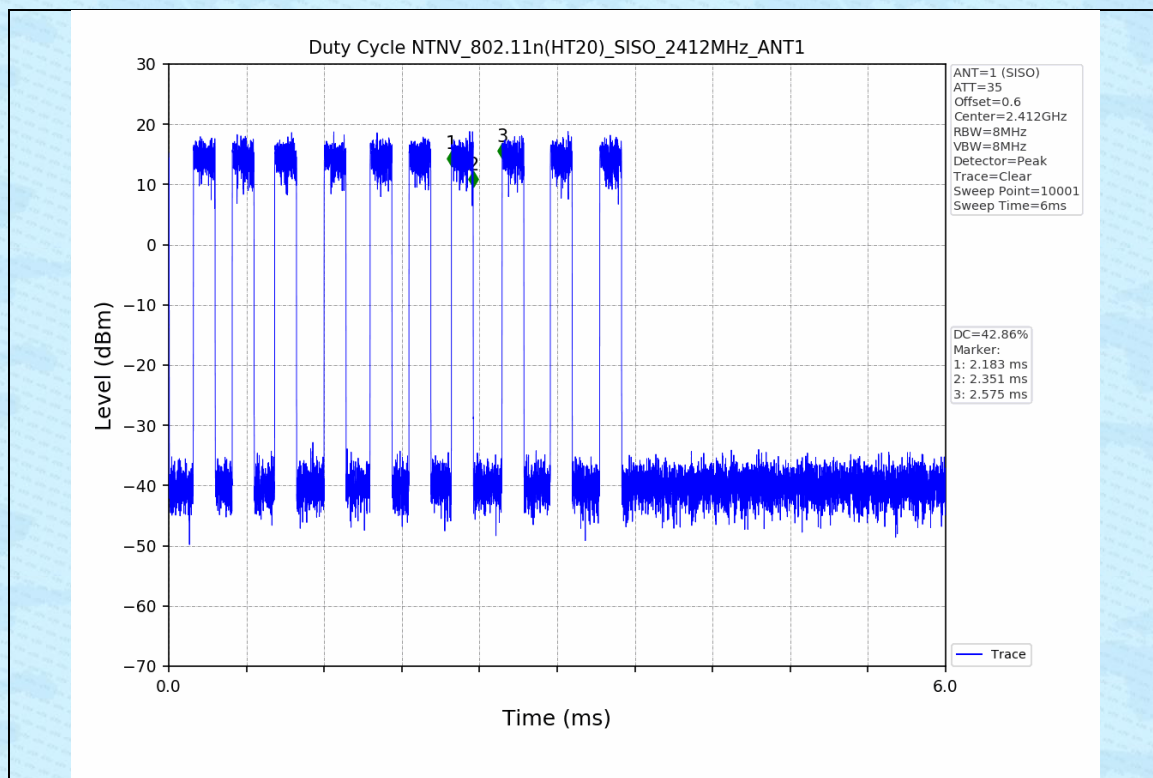
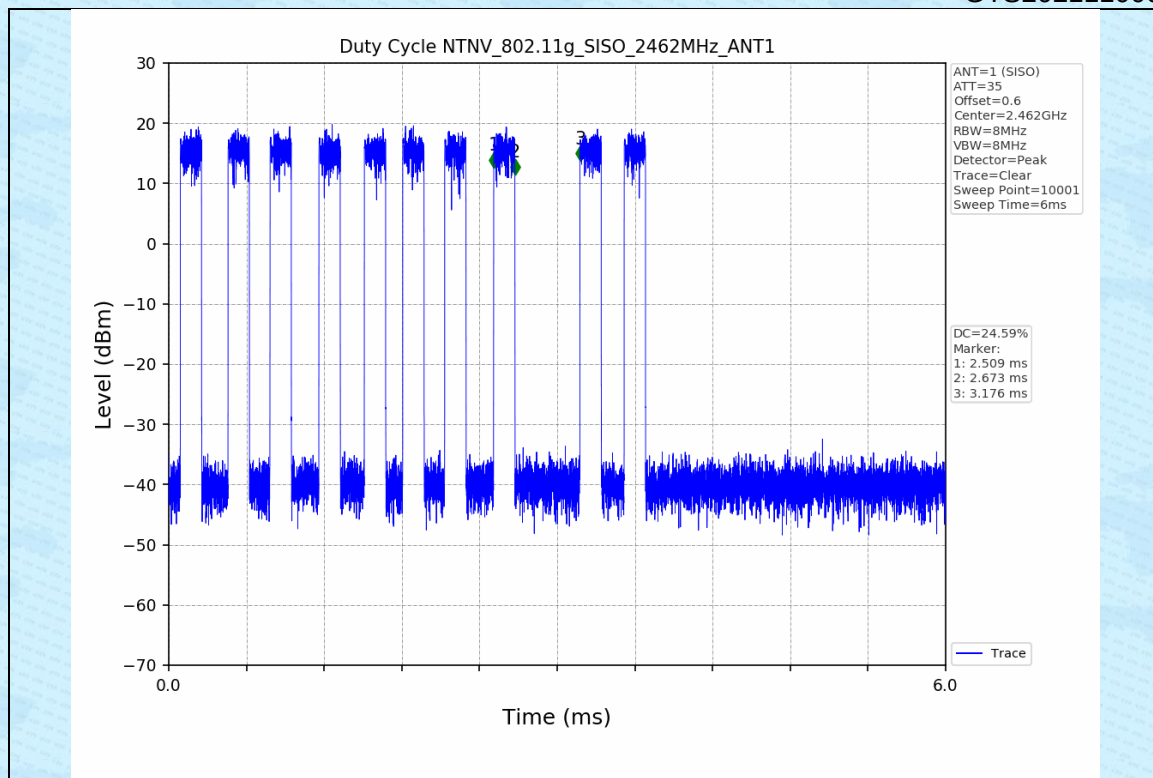
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	1.024	1.566	65.39	1.84
	2437	SISO	1	1.024	1.685	60.77	2.16
	2462	SISO	1	1.024	1.504	68.09	1.67
802.11g	2412	SISO	1	0.164	0.721	22.75	6.43
	2437	SISO	1	0.156	0.506	30.83	5.11
	2462	SISO	1	0.164	0.667	24.59	6.09
802.11n(HT20)	2412	SISO	1	0.168	0.392	42.86	3.68
	2437	SISO	1	0.167	0.391	42.71	3.69
	2462	SISO	1	0.162	0.378	42.86	3.68

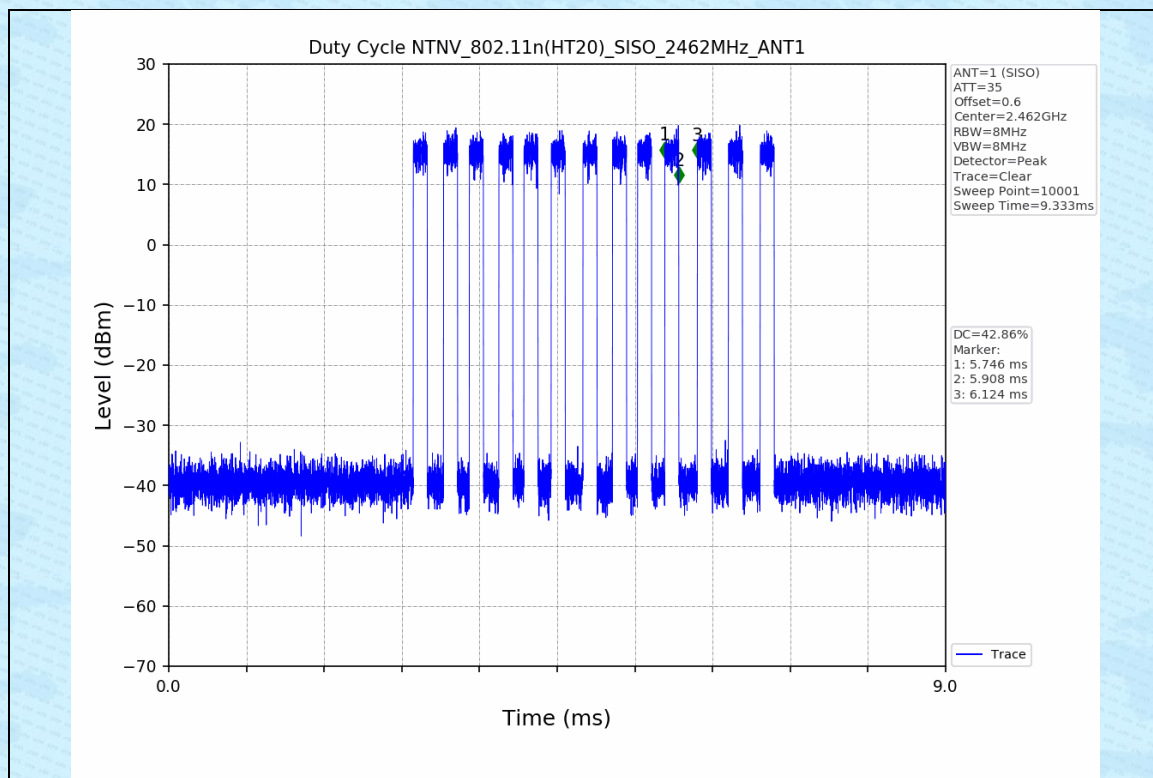
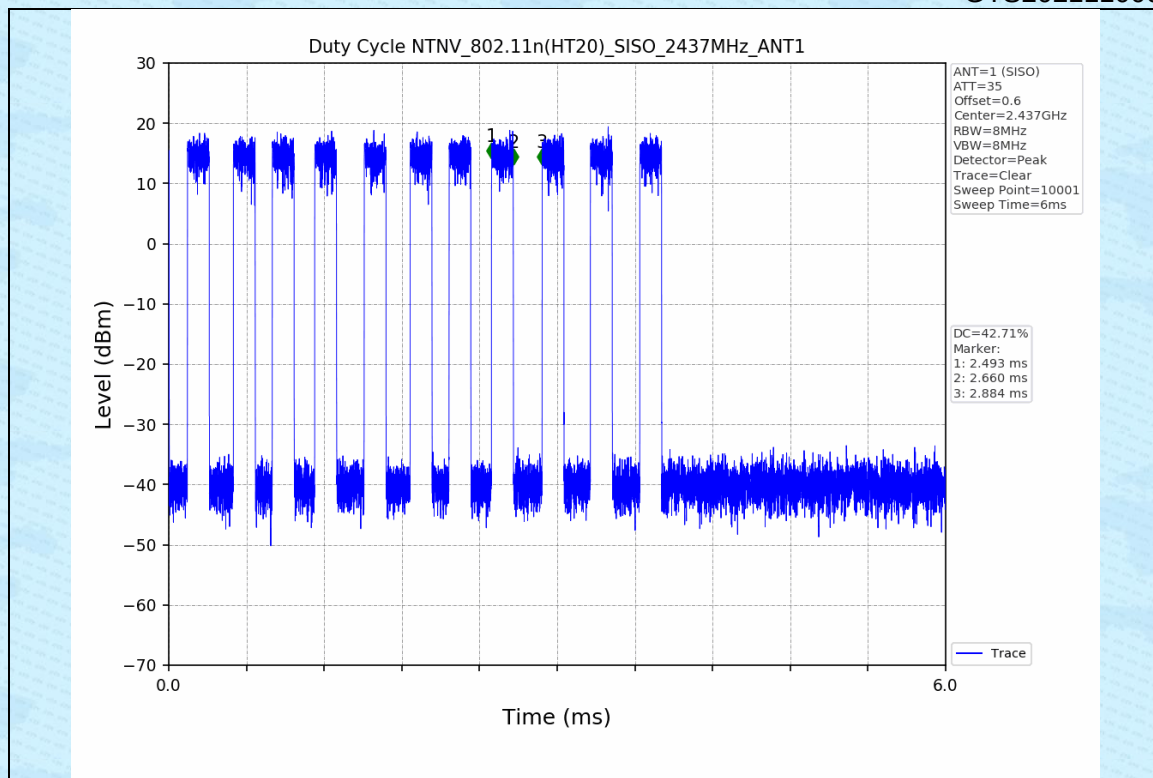
1.2 Test Graph











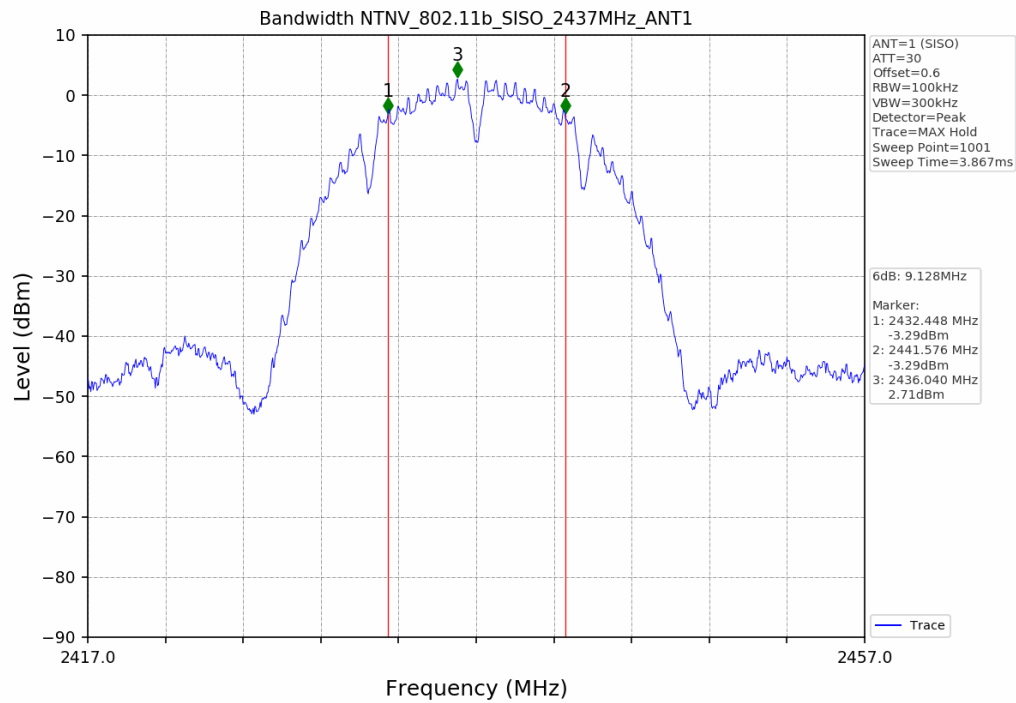
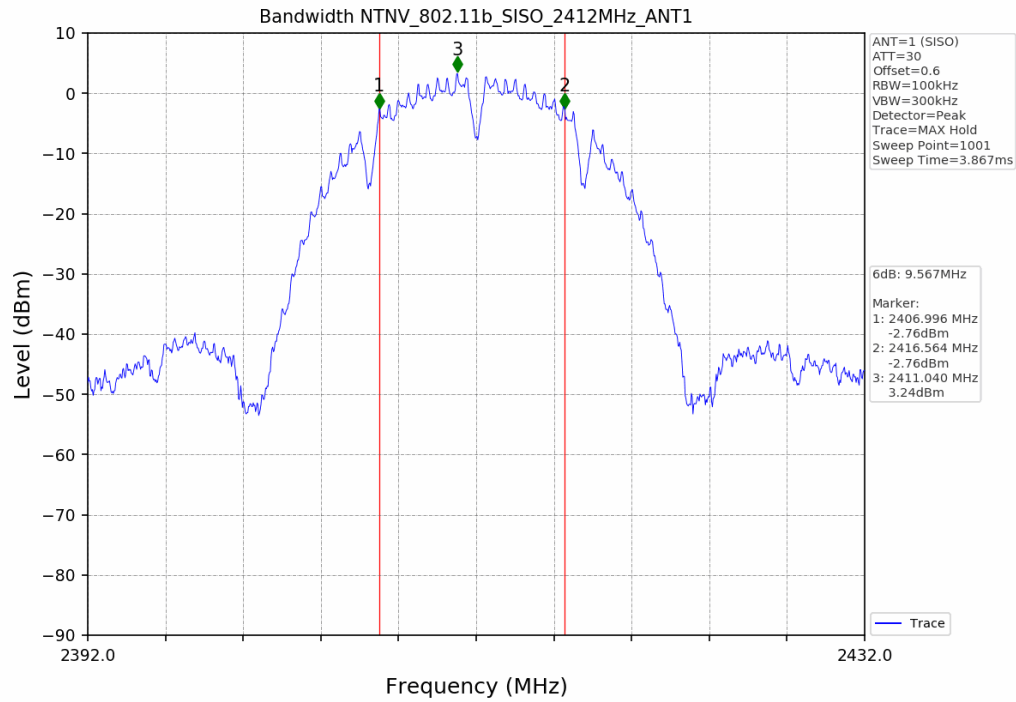
2. Bandwidth

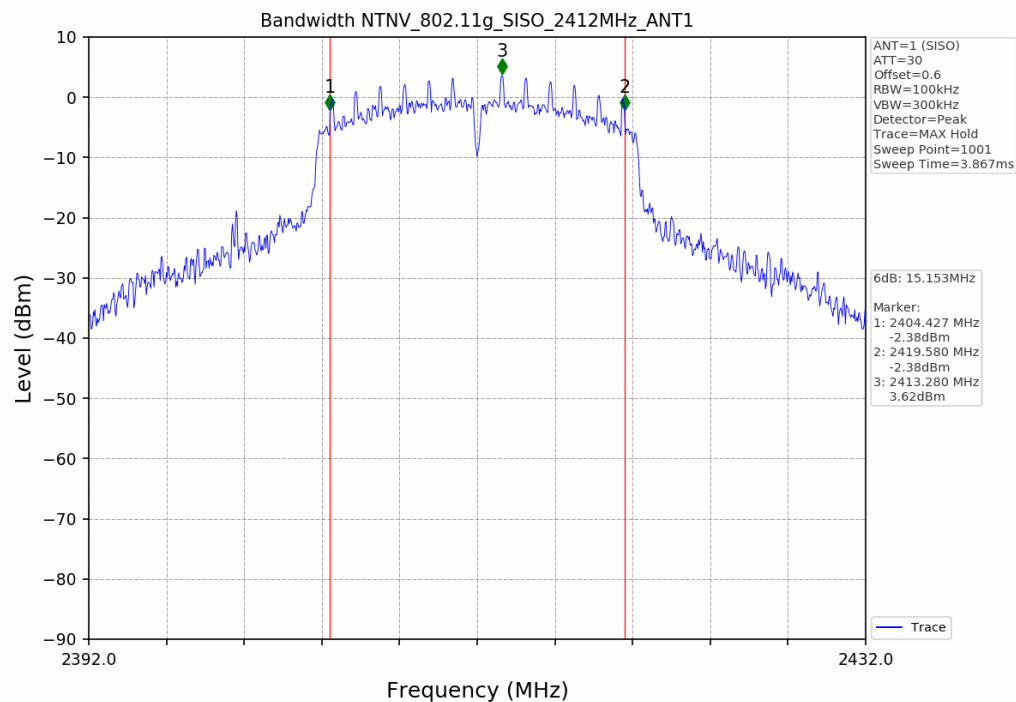
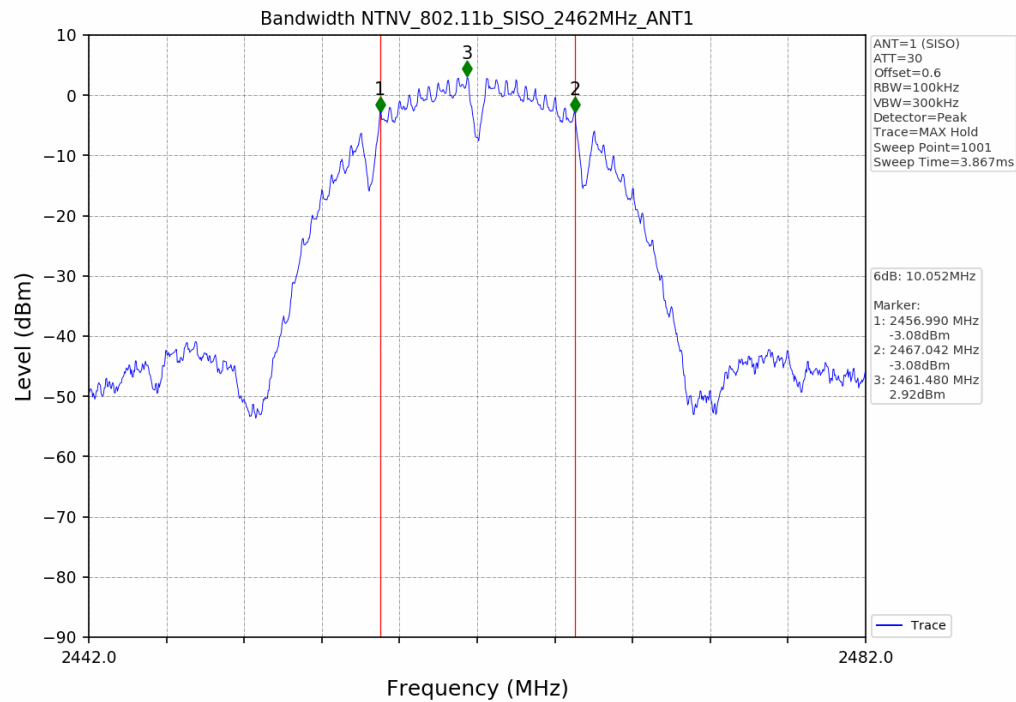
2.1 Test Result

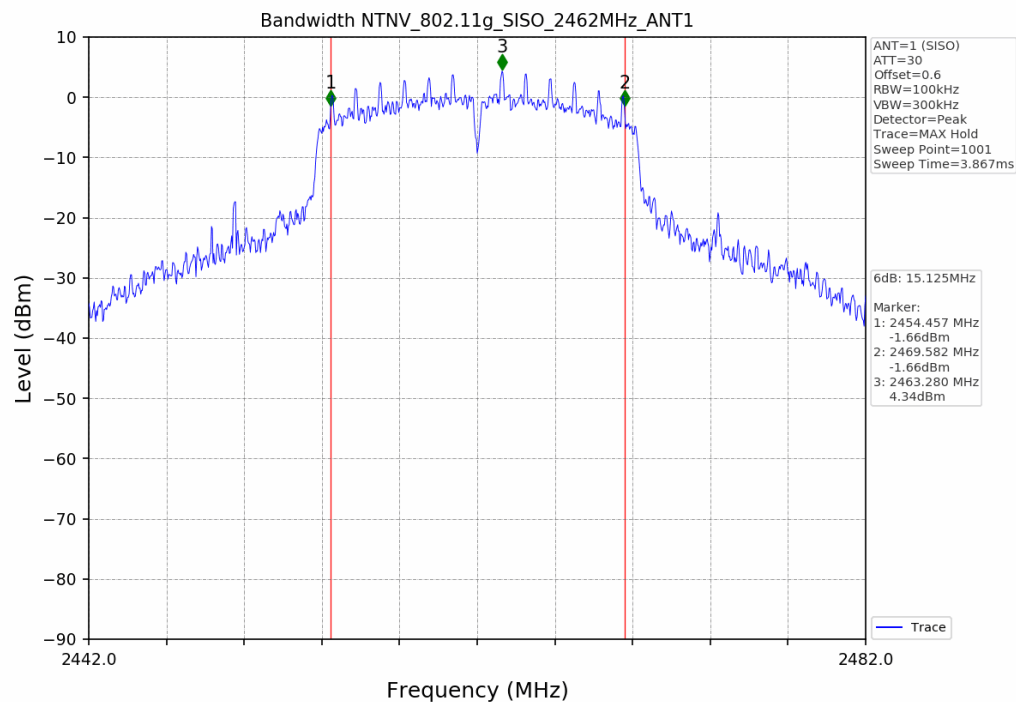
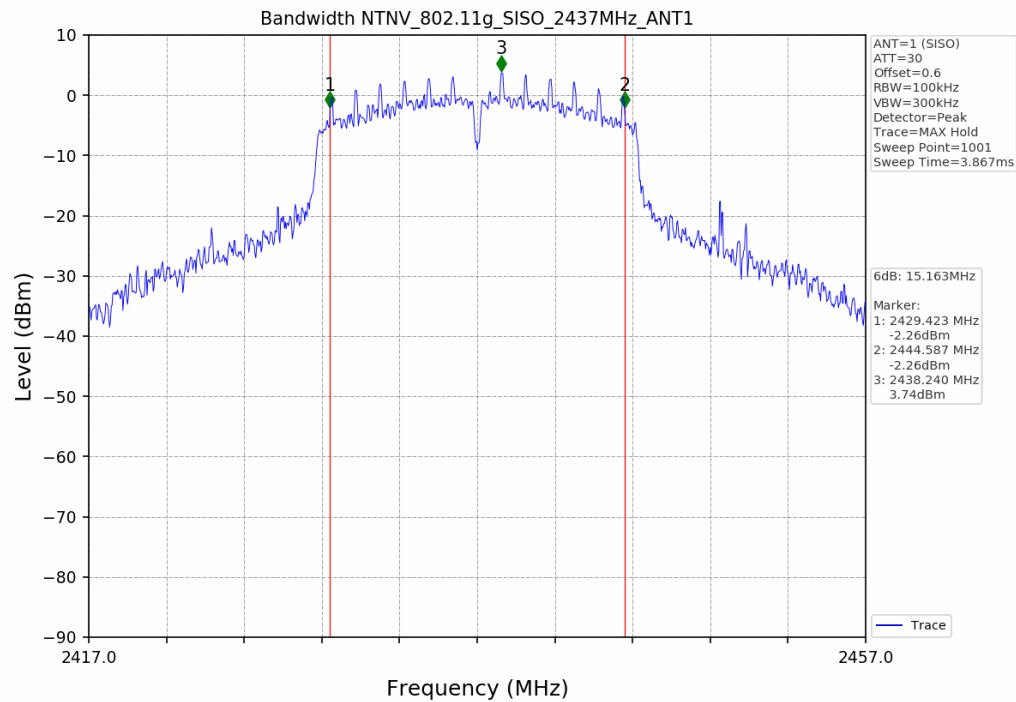
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	9.567	≥0.5	PASS
	2437	SISO	1	9.128	≥0.5	PASS
	2462	SISO	1	10.052	≥0.5	PASS
802.11g	2412	SISO	1	15.153	≥0.5	PASS
	2437	SISO	1	15.163	≥0.5	PASS
	2462	SISO	1	15.125	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	15.142	≥0.5	PASS
	2437	SISO	1	15.134	≥0.5	PASS
	2462	SISO	1	15.148	≥0.5	PASS

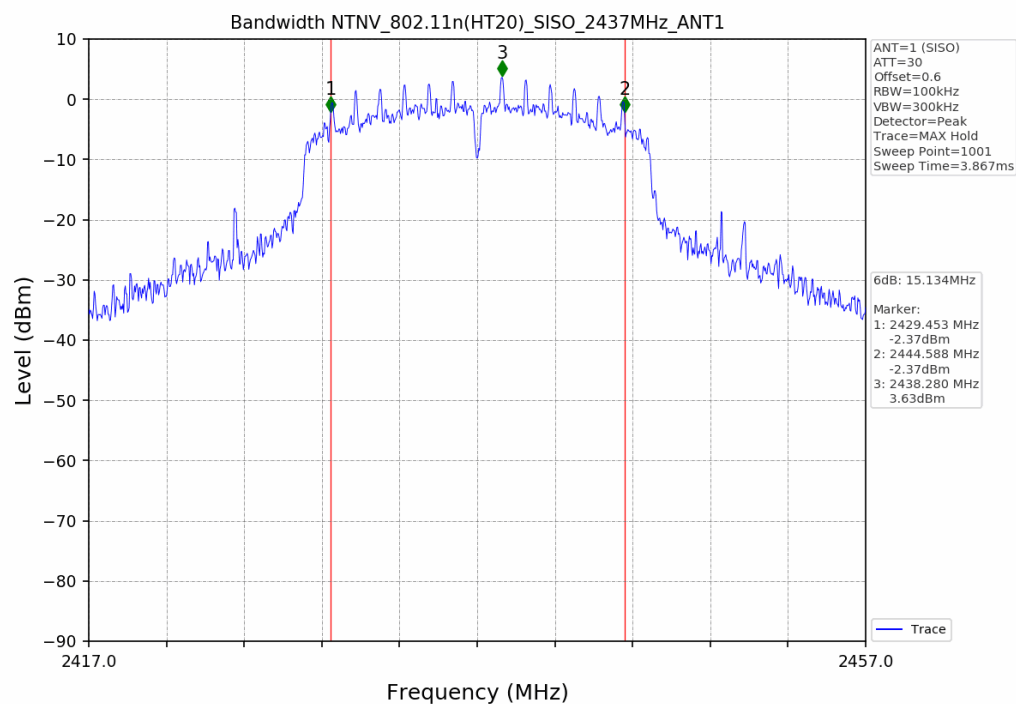
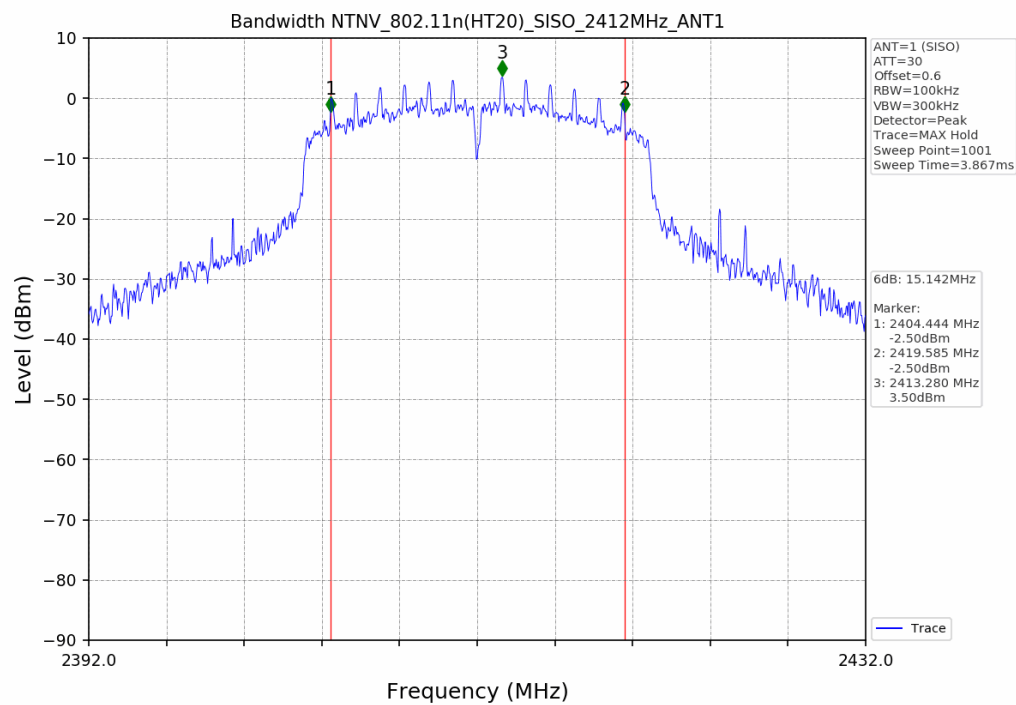
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	14.030	Only for Report Use
	2437	SISO	1	14.008	Only for Report Use
	2462	SISO	1	14.013	Only for Report Use
802.11g	2412	SISO	1	17.013	Only for Report Use
	2437	SISO	1	17.018	Only for Report Use
	2462	SISO	1	16.977	Only for Report Use
802.11n(HT20)	2412	SISO	1	18.080	Only for Report Use
	2437	SISO	1	18.141	Only for Report Use
	2462	SISO	1	18.041	Only for Report Use

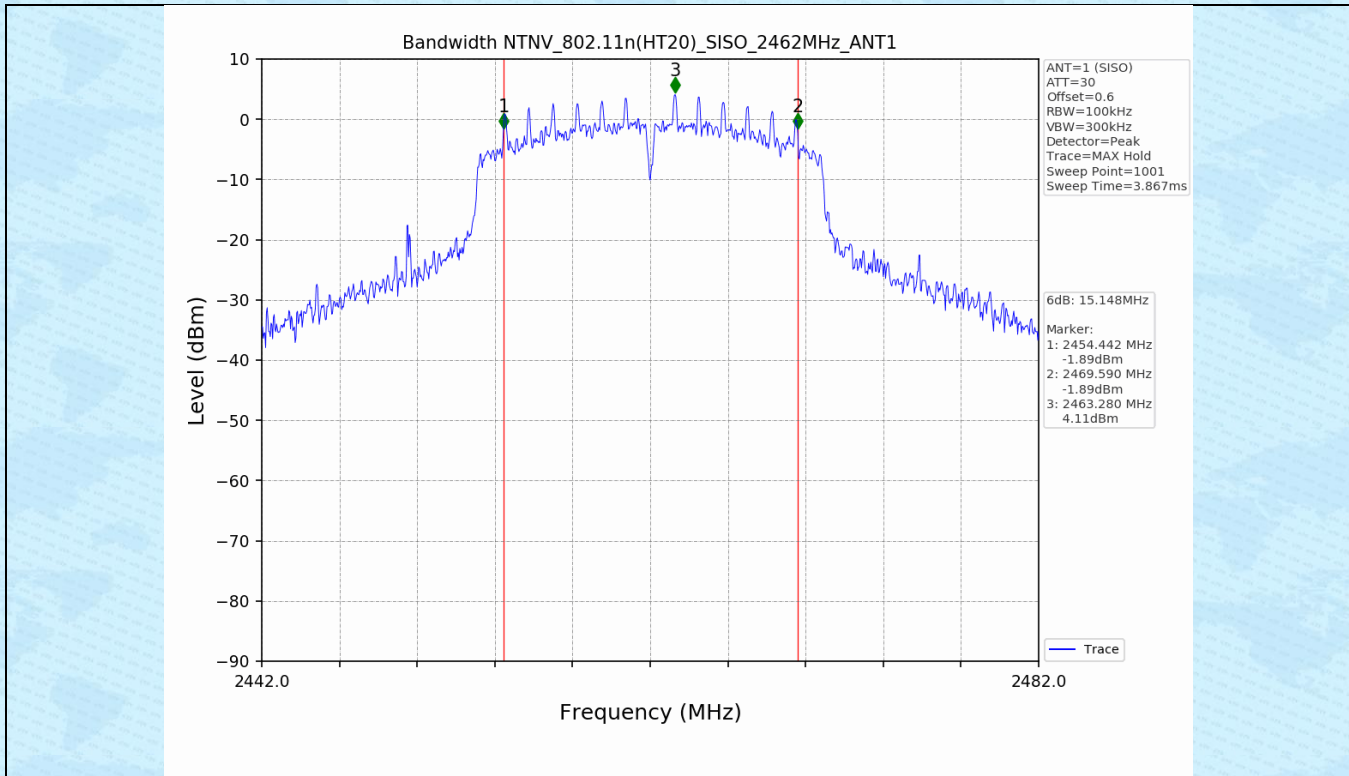
2.2 Test Graph - 6dB Bandwidth



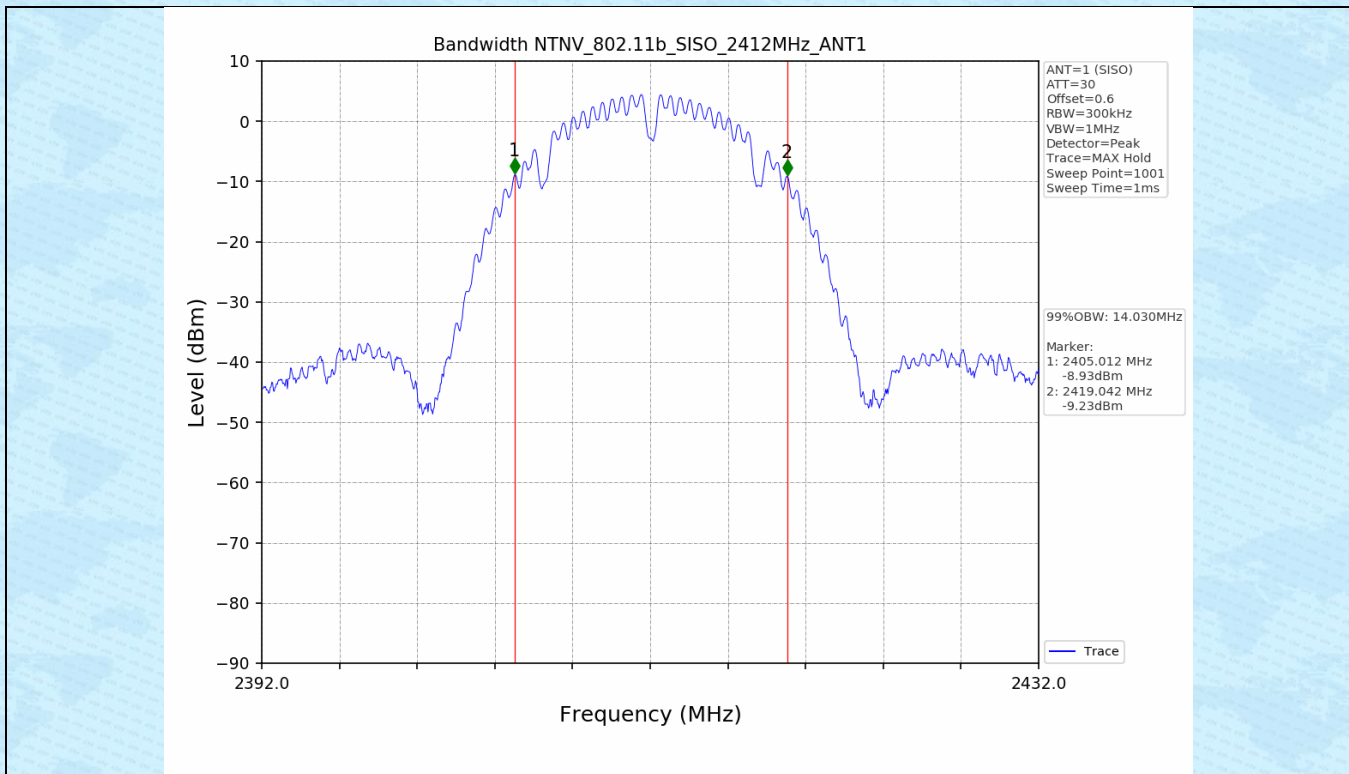


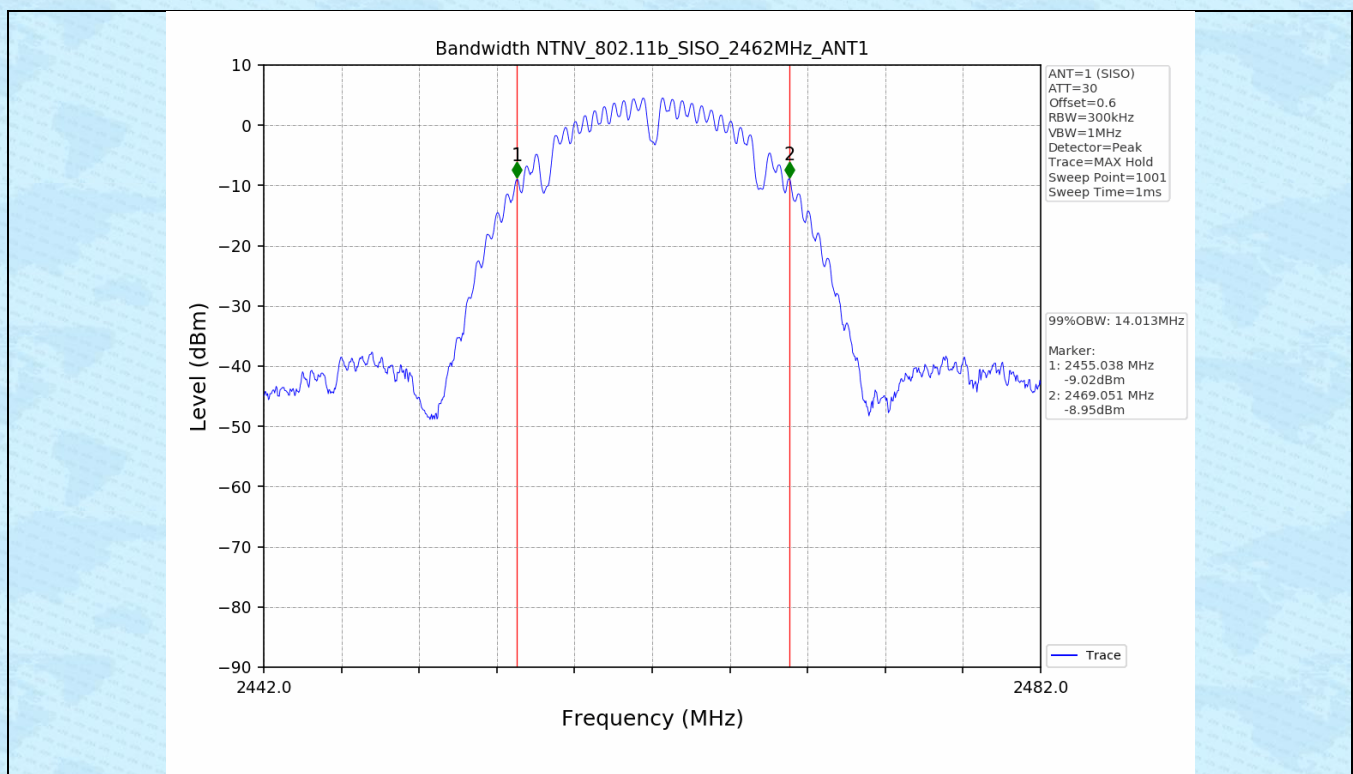
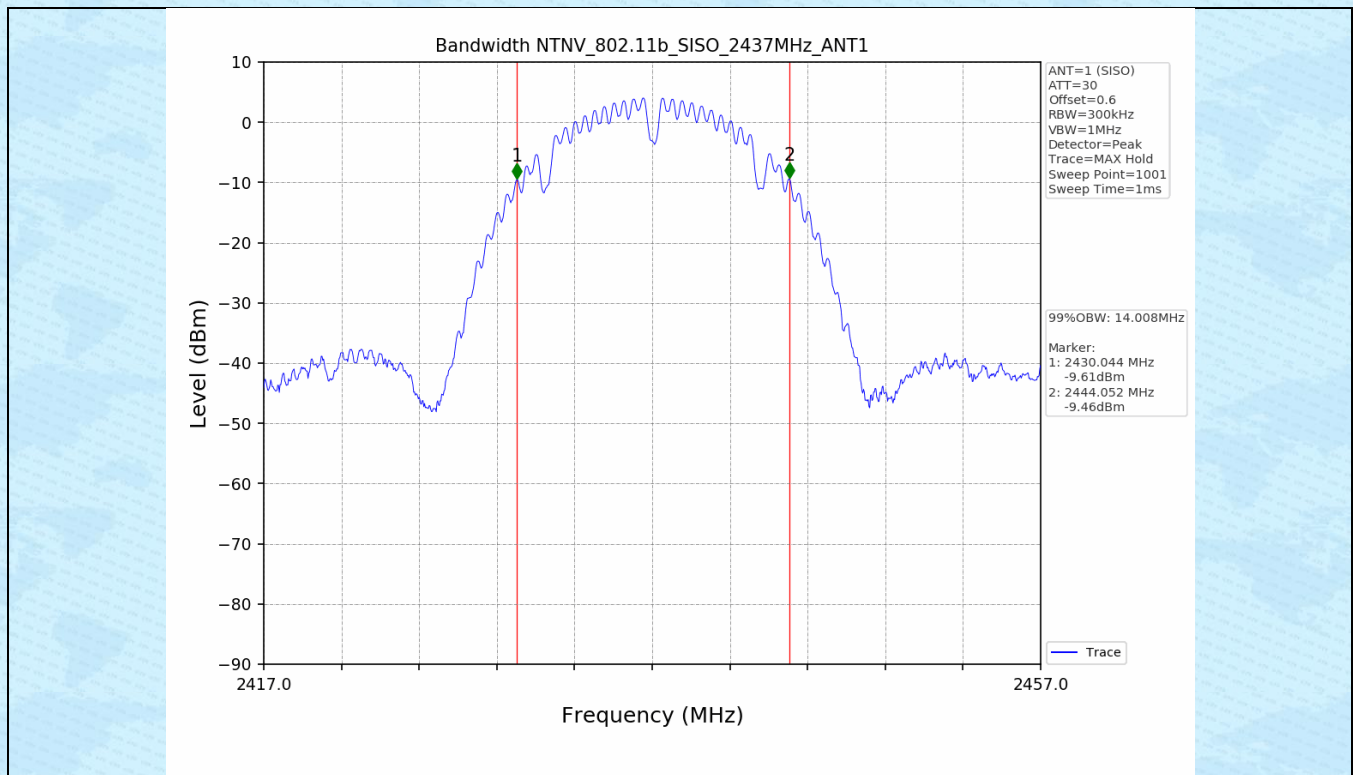


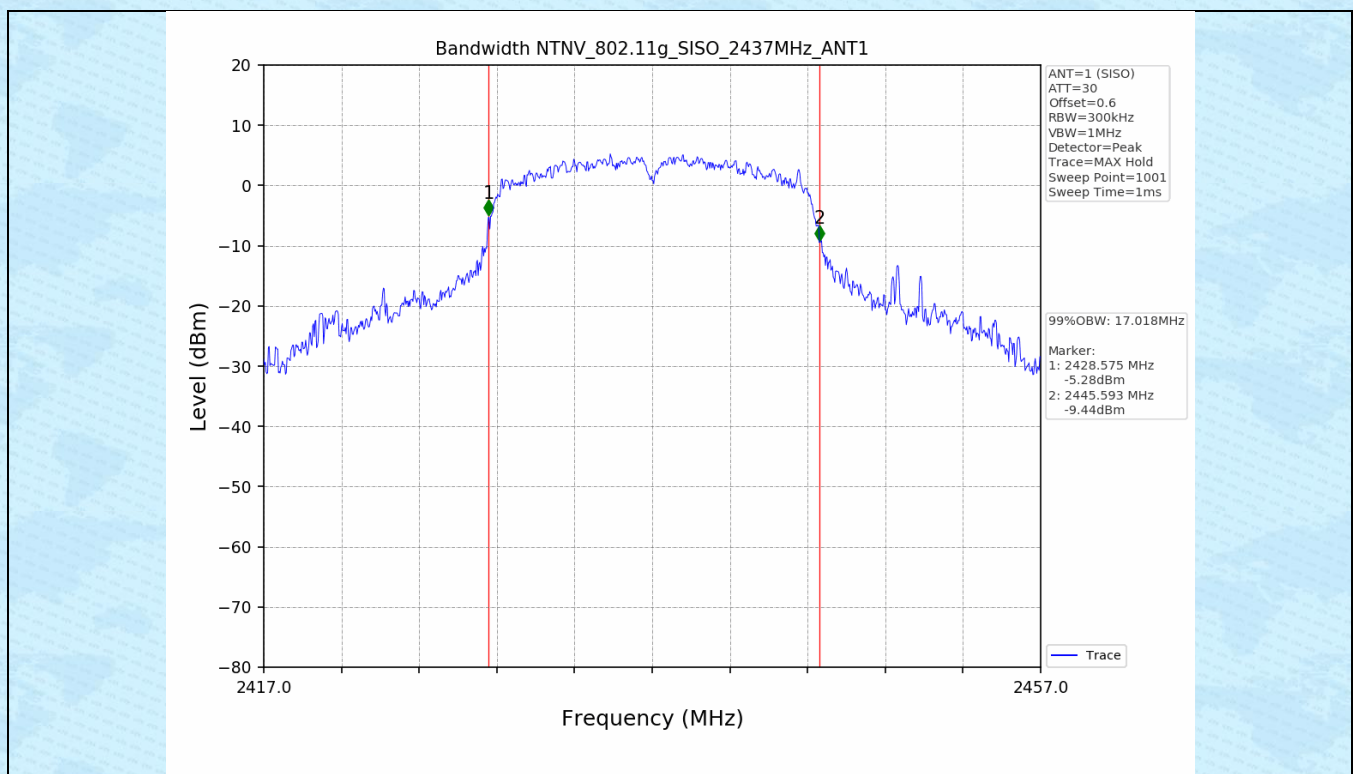
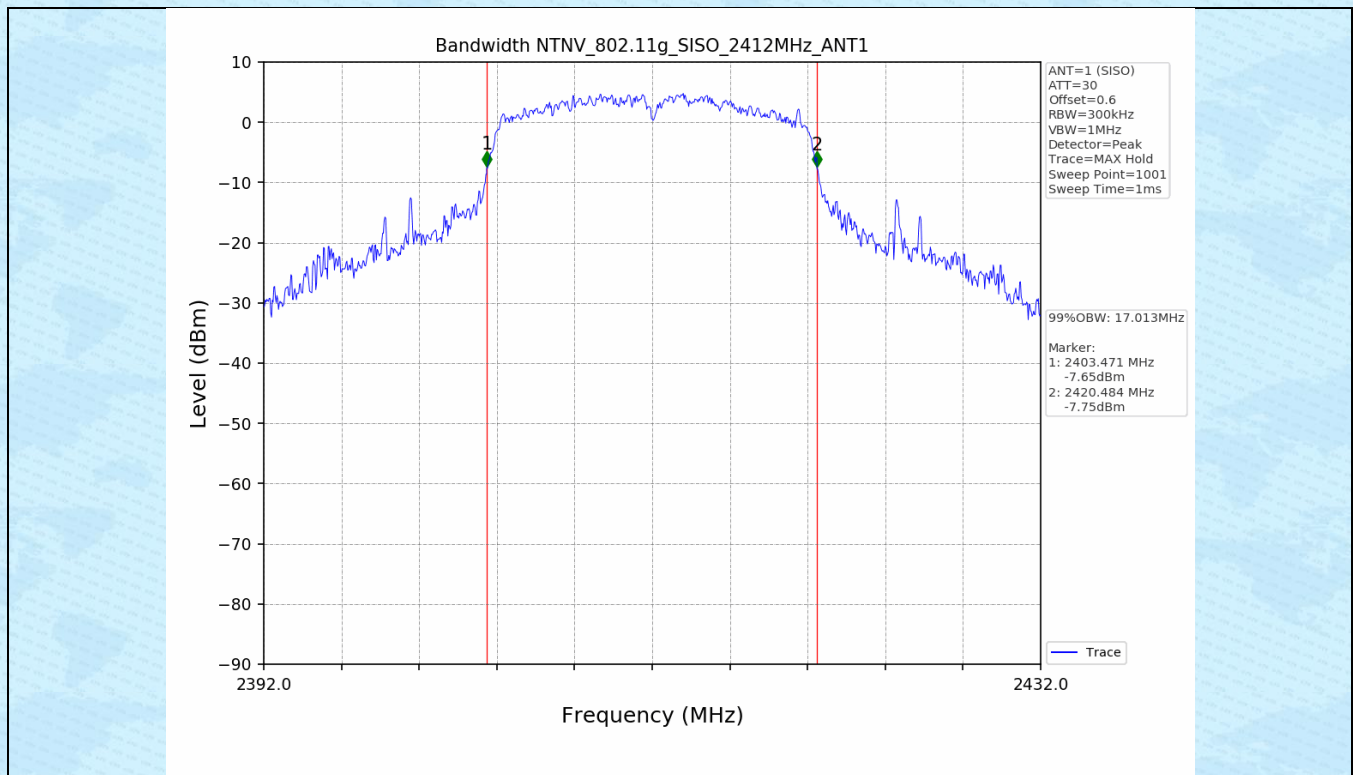


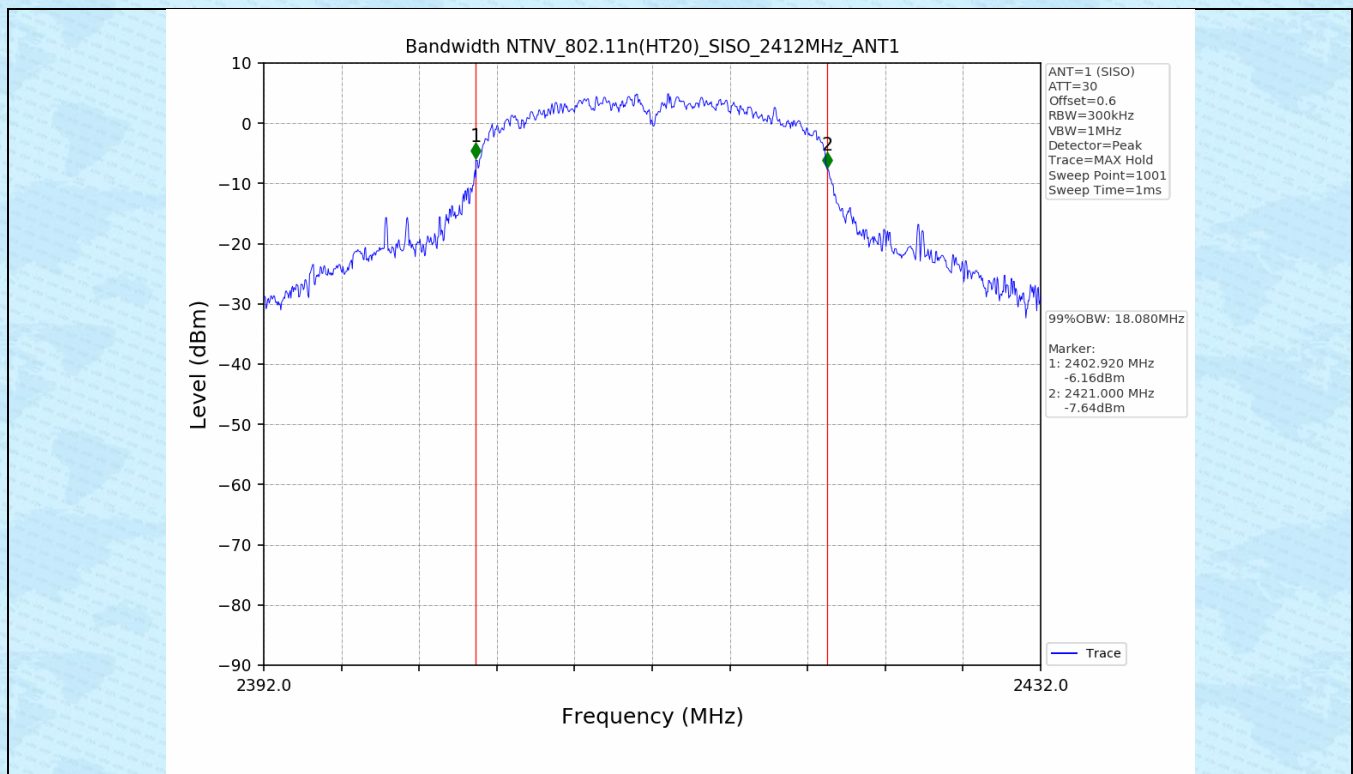
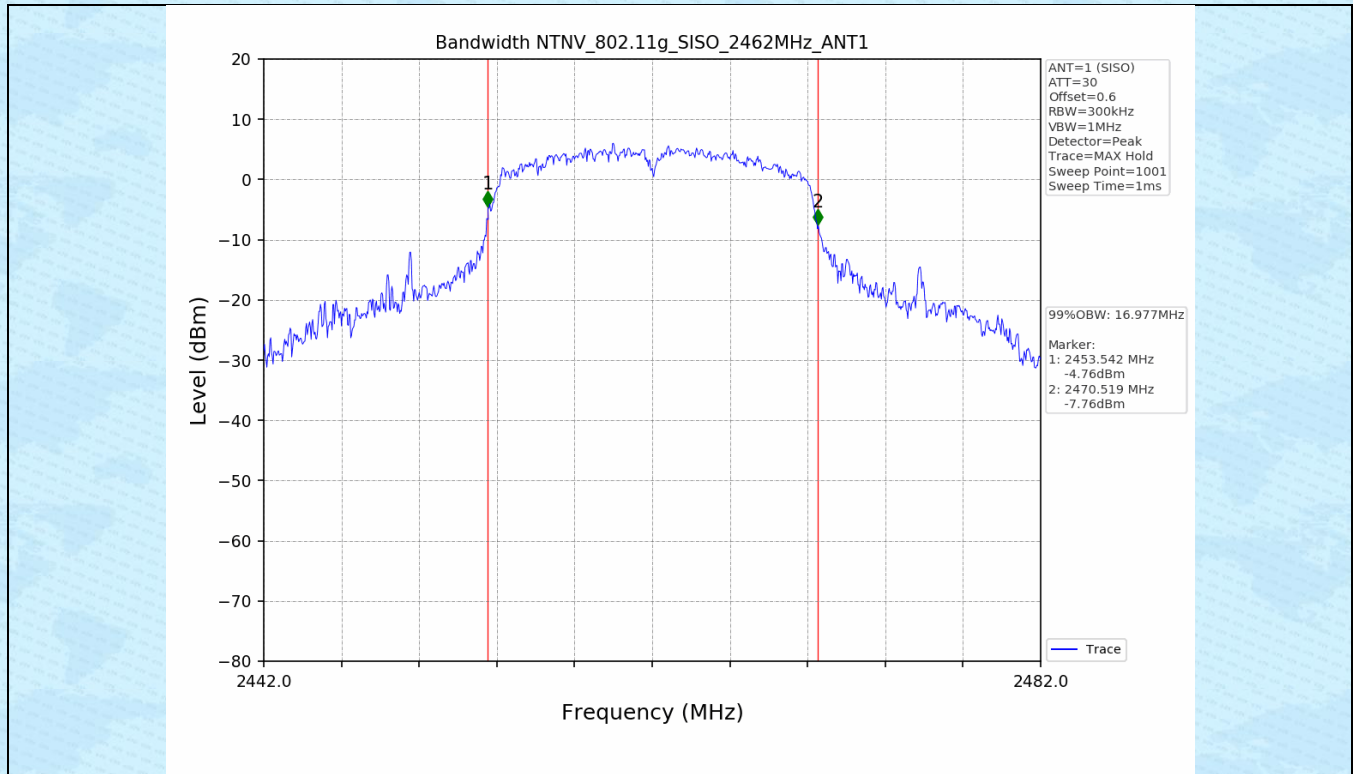


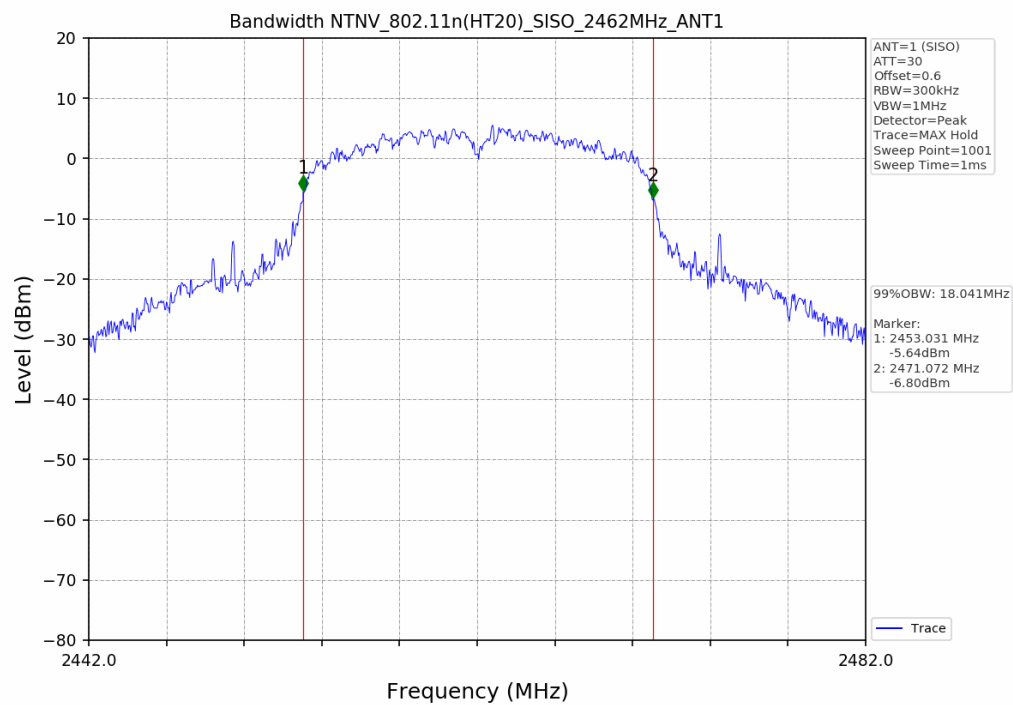
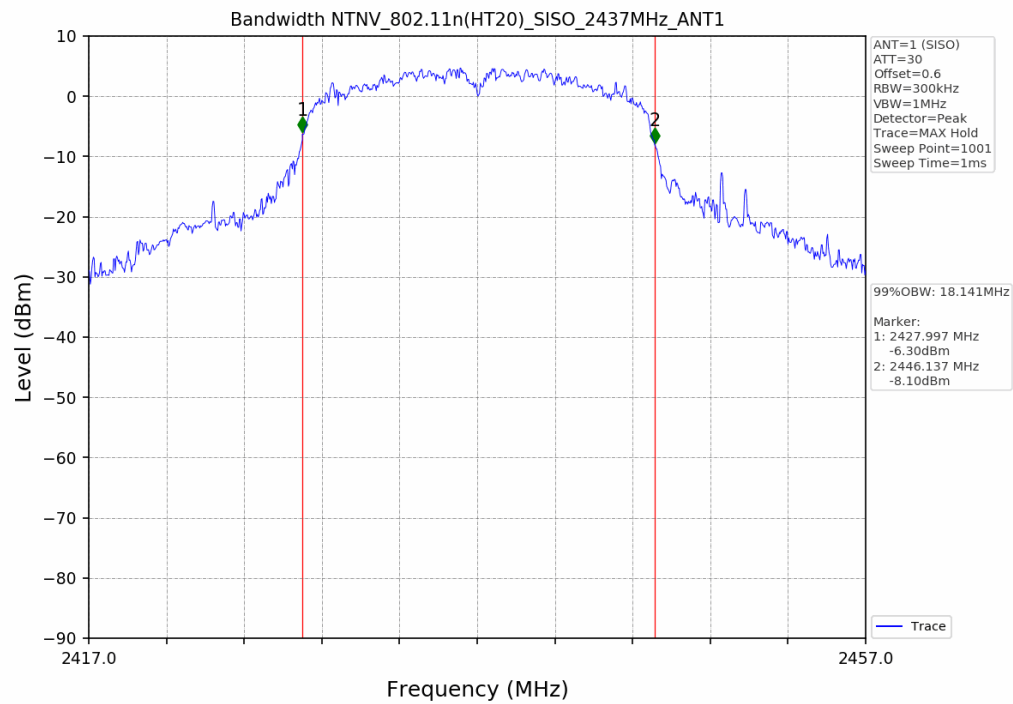
2.3 Test Graph - 99% Occupied Bandwidth











3. Maximum Output Power

3.1 Test Result

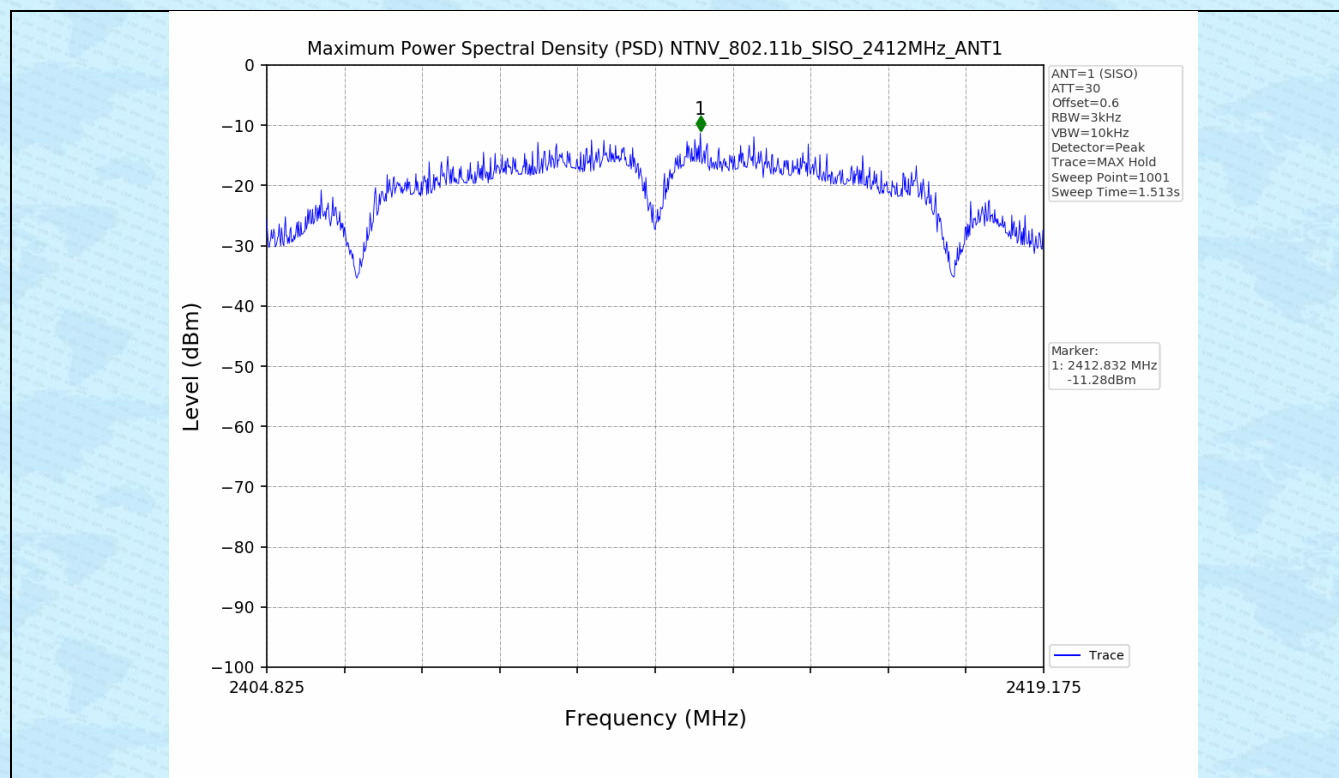
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	15.28	30	PASS
	2437	SISO	15.88	30	PASS
	2462	SISO	15.33	30	PASS
802.11g	2412	SISO	15.38	30	PASS
	2437	SISO	15.49	30	PASS
	2462	SISO	14.96	30	PASS
802.11n(HT20)	2412	SISO	15.06	30	PASS
	2437	SISO	15.13	30	PASS
	2462	SISO	15.55	30	PASS

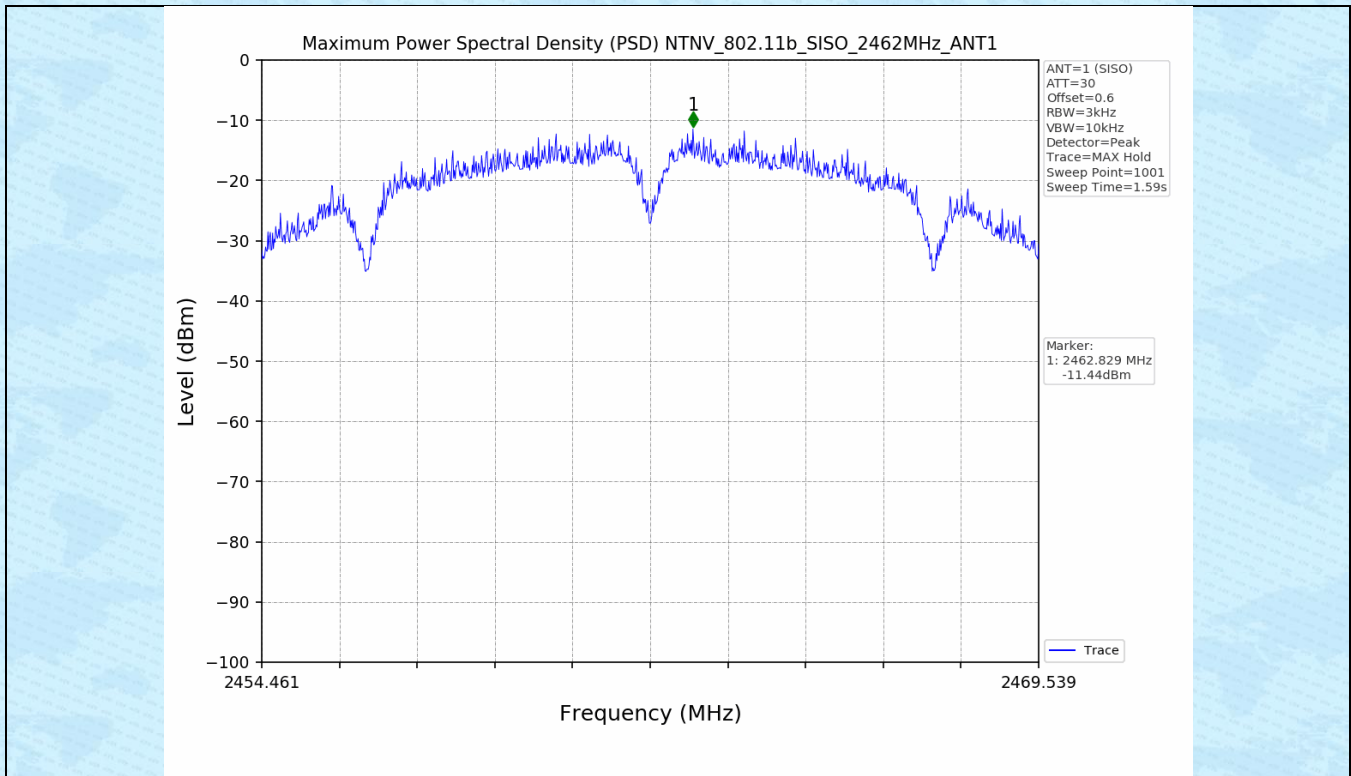
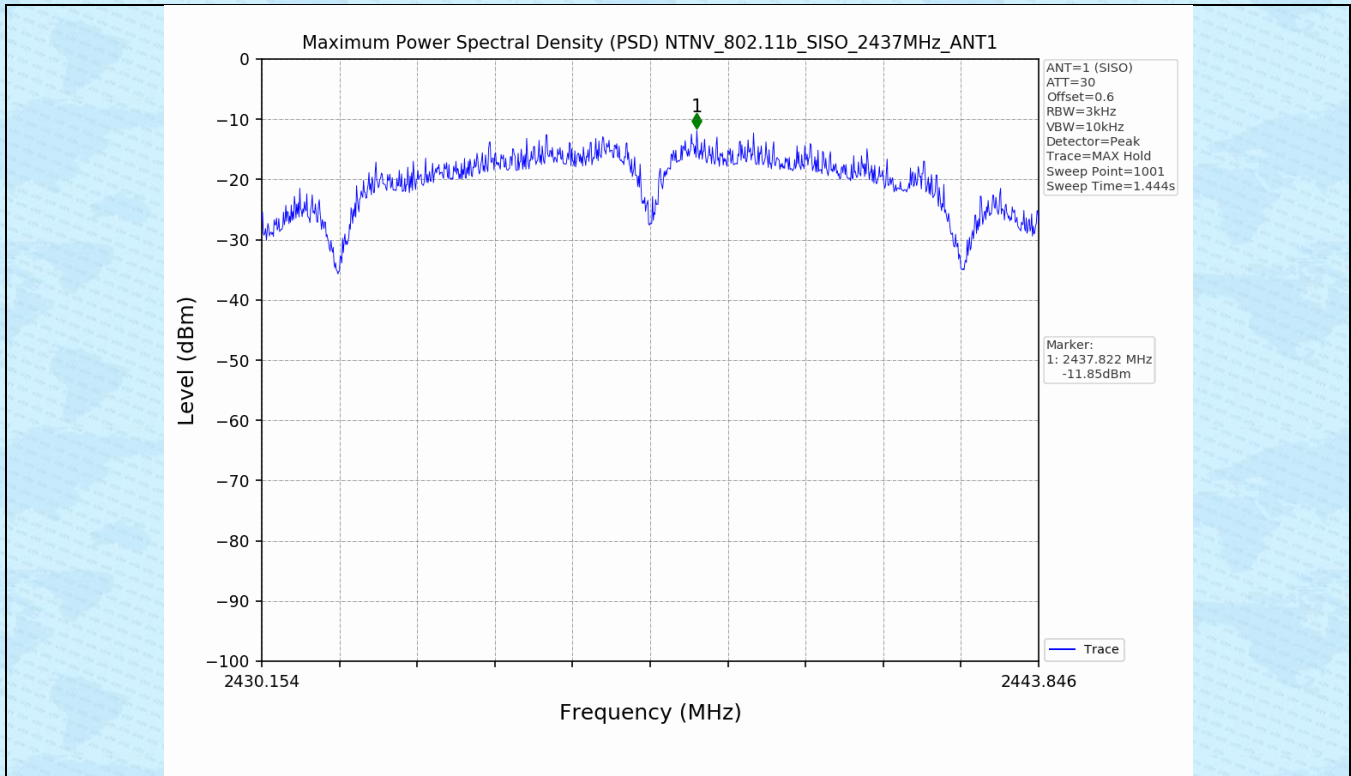
4. Maximum Power Spectral Density (PSD)

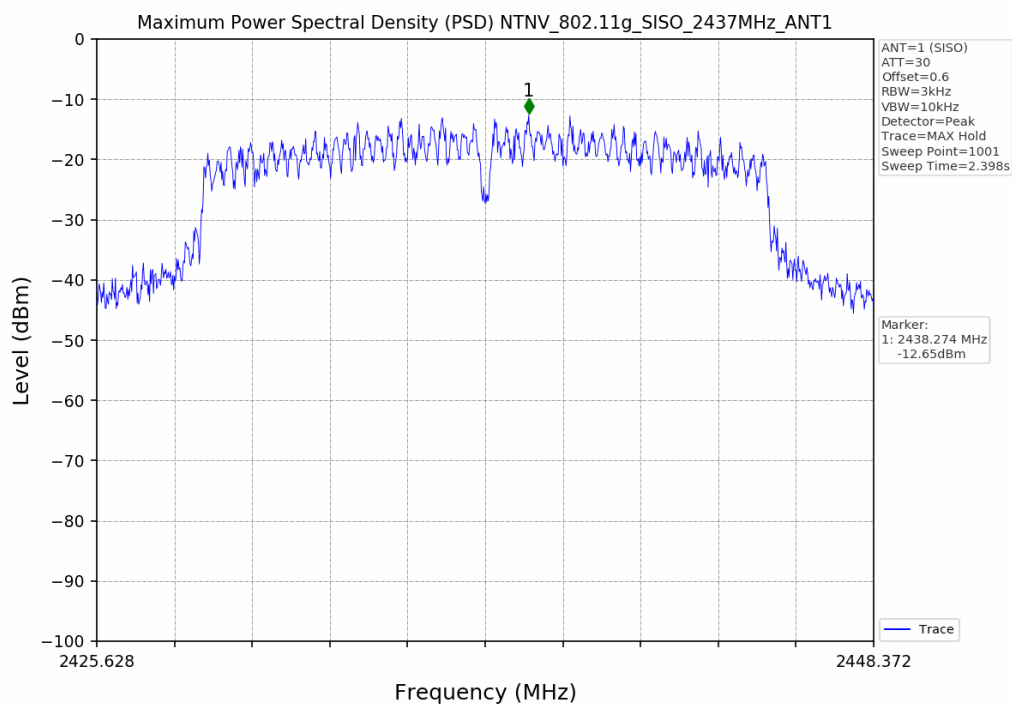
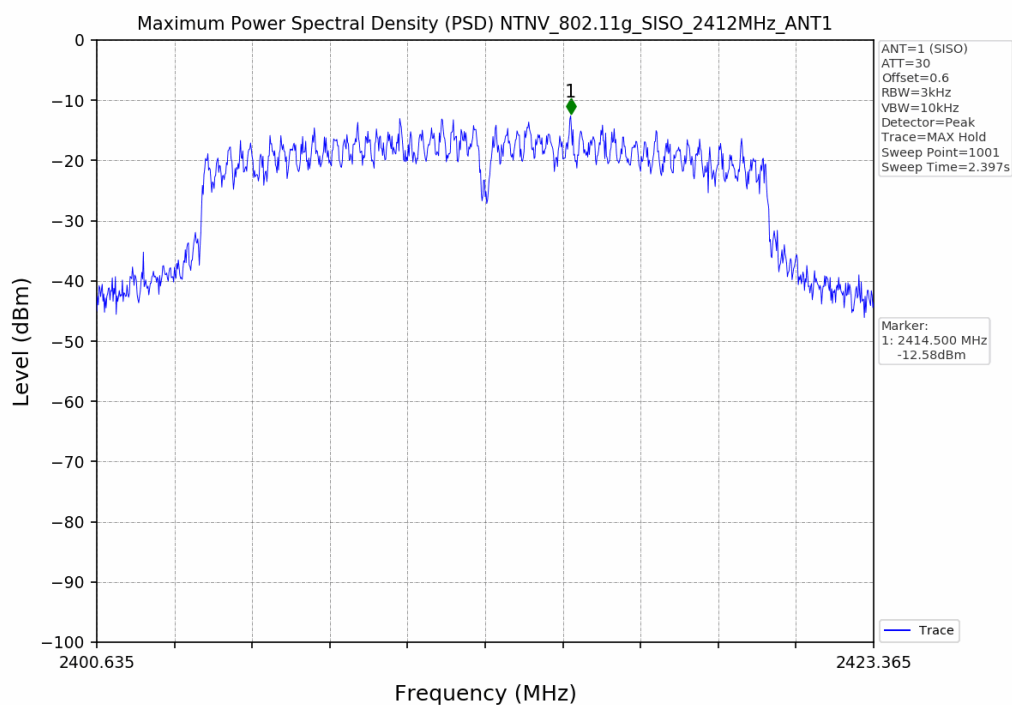
4.1 Test Result

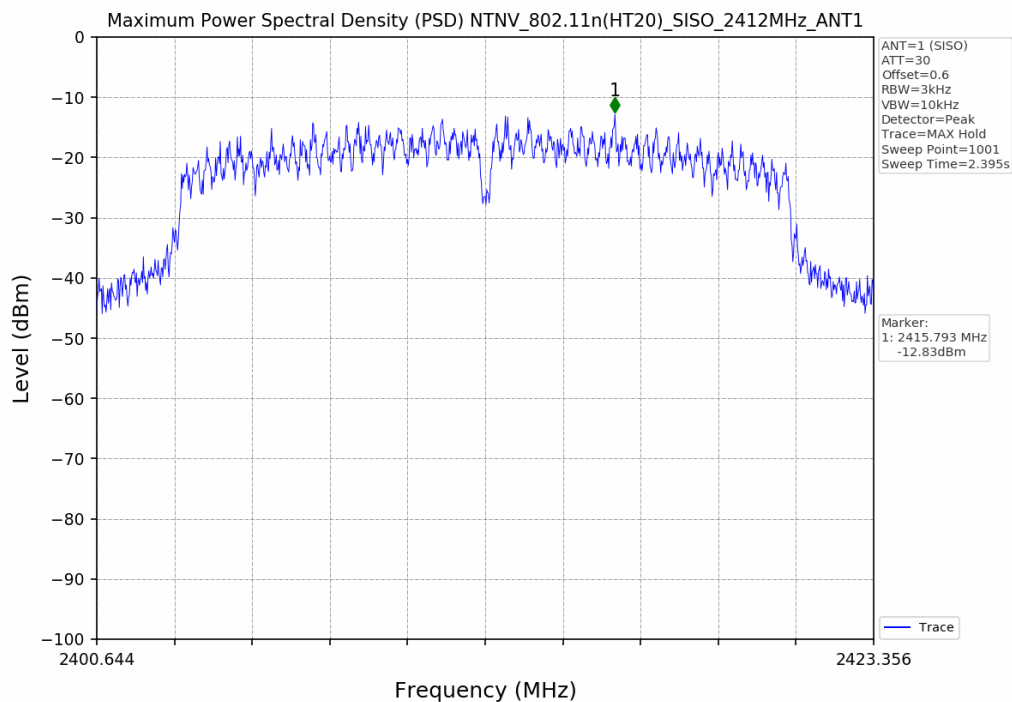
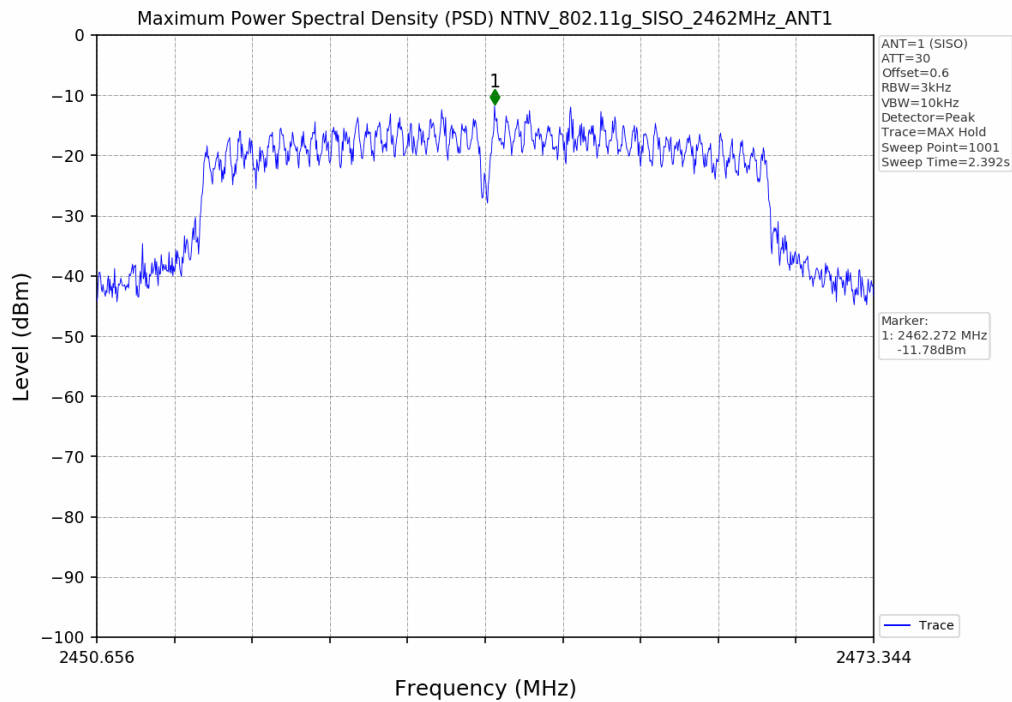
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3KHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-11.28	≤8	PASS
	2437	SISO	-11.85	≤8	PASS
	2462	SISO	-11.44	≤8	PASS
802.11g	2412	SISO	-12.58	≤8	PASS
	2437	SISO	-12.65	≤8	PASS
	2462	SISO	-11.78	≤8	PASS
802.11n(HT20)	2412	SISO	-12.83	≤8	PASS
	2437	SISO	-12.04	≤8	PASS
	2462	SISO	-11.95	≤8	PASS

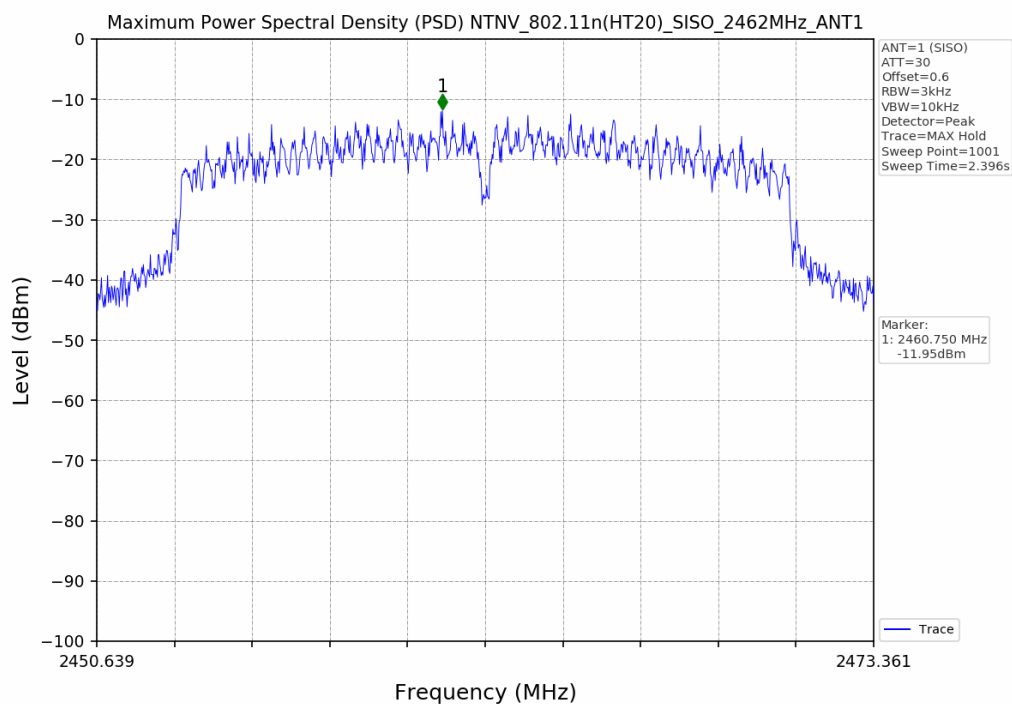
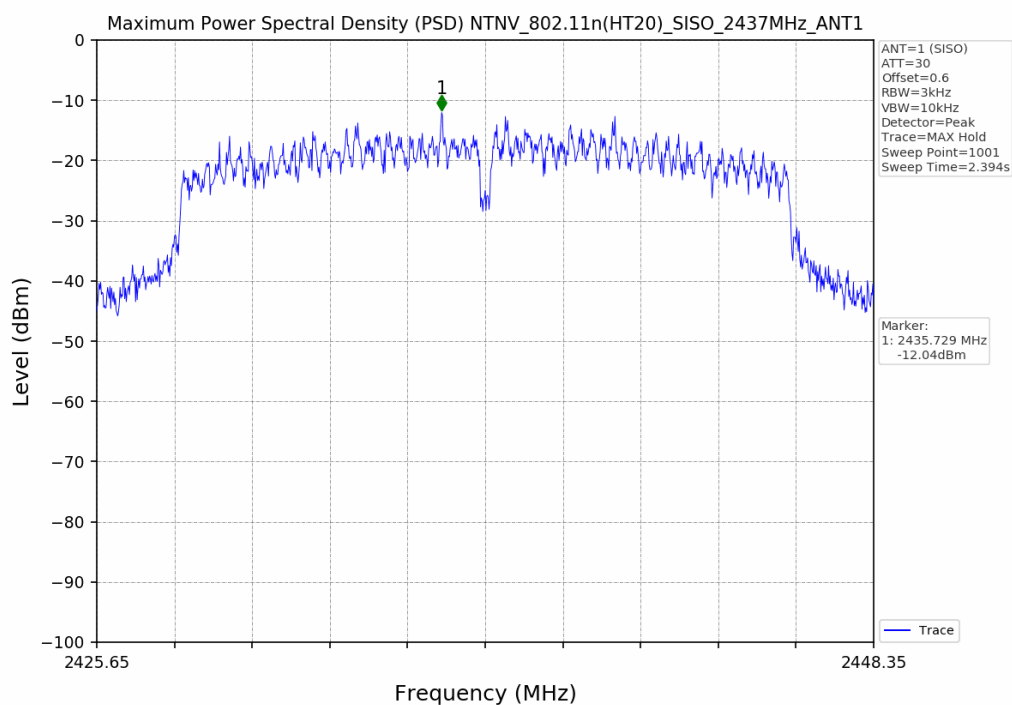
4.2 Test Graph









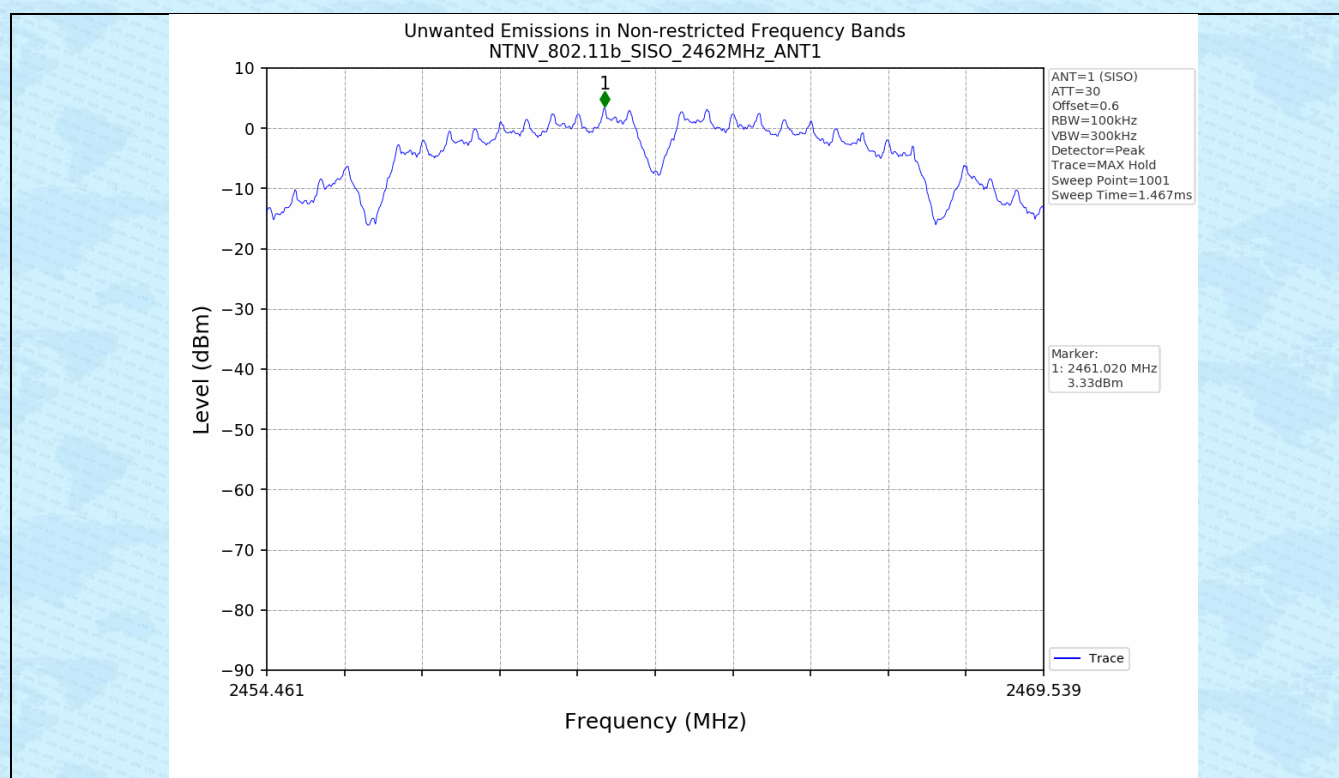


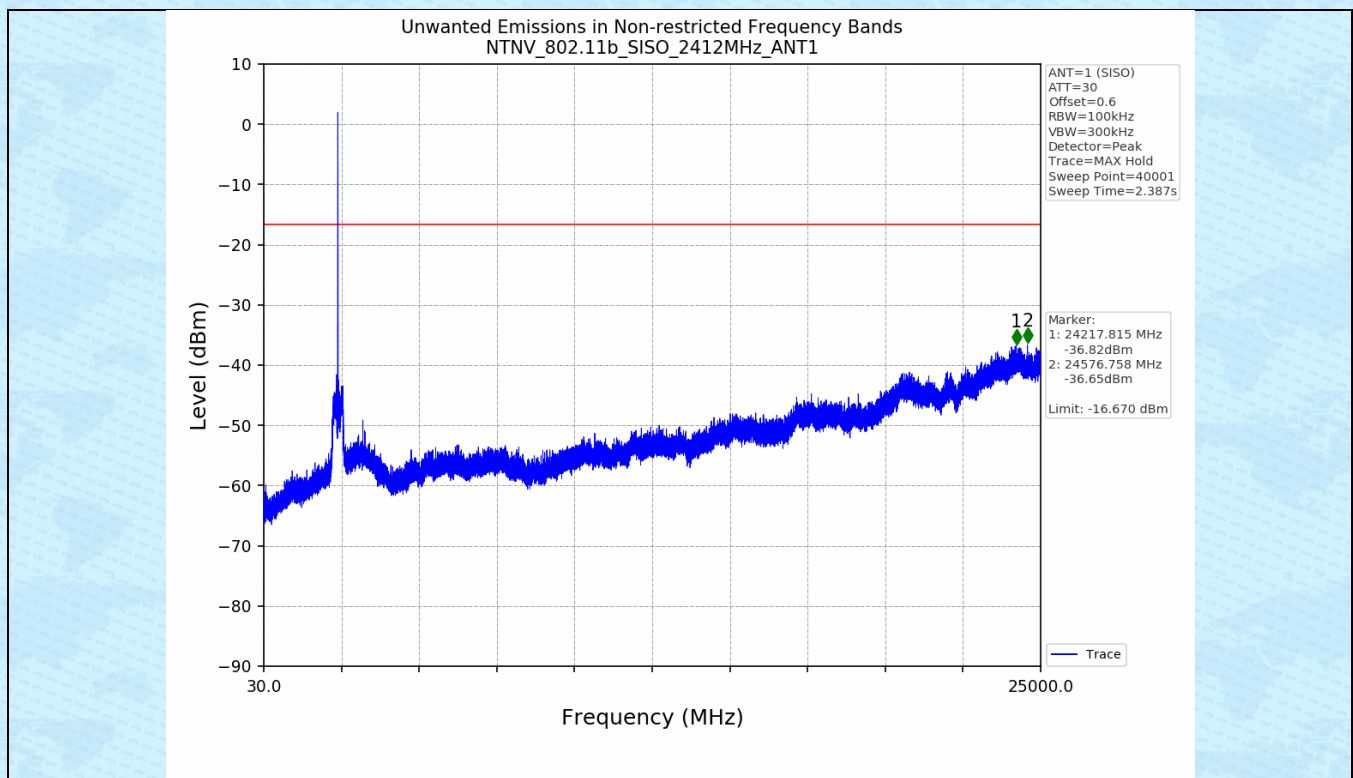
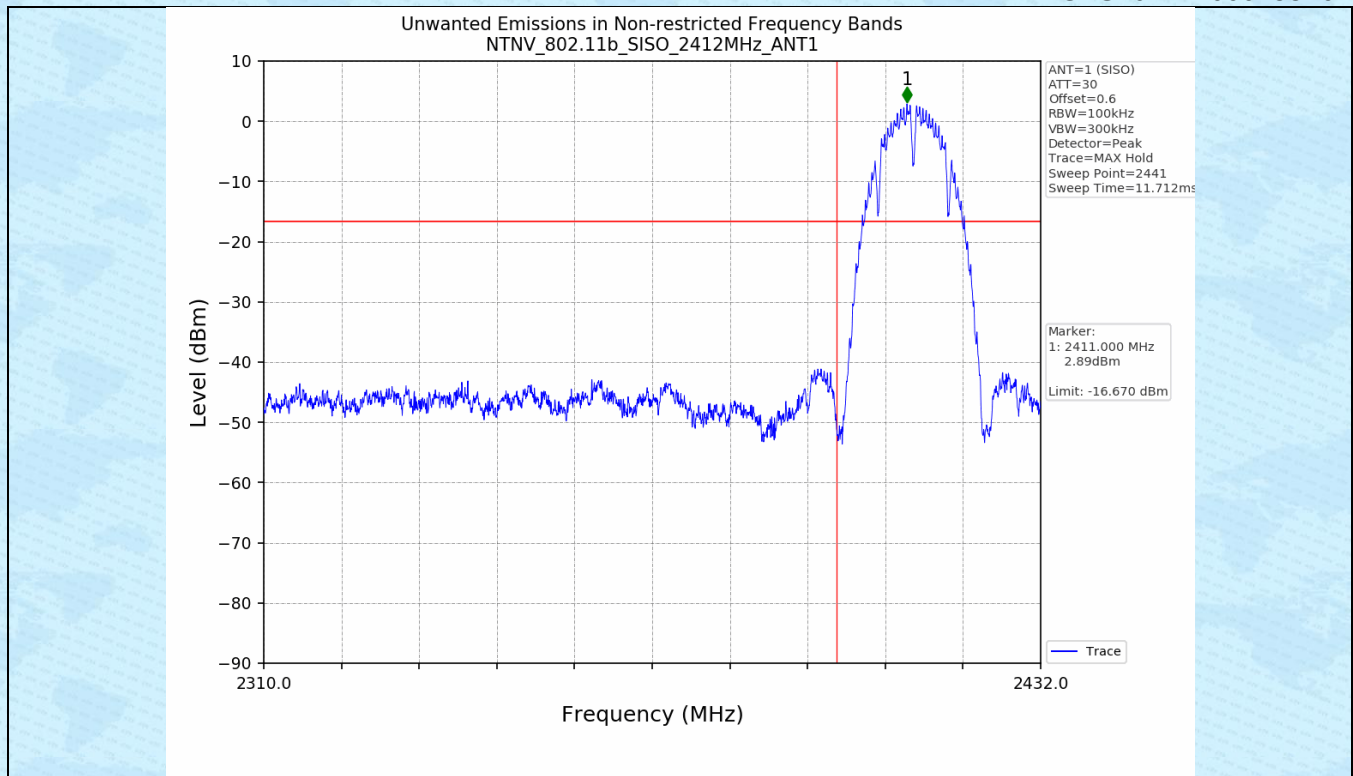
5. Unwanted Emissions in Non-restricted Frequency Bands

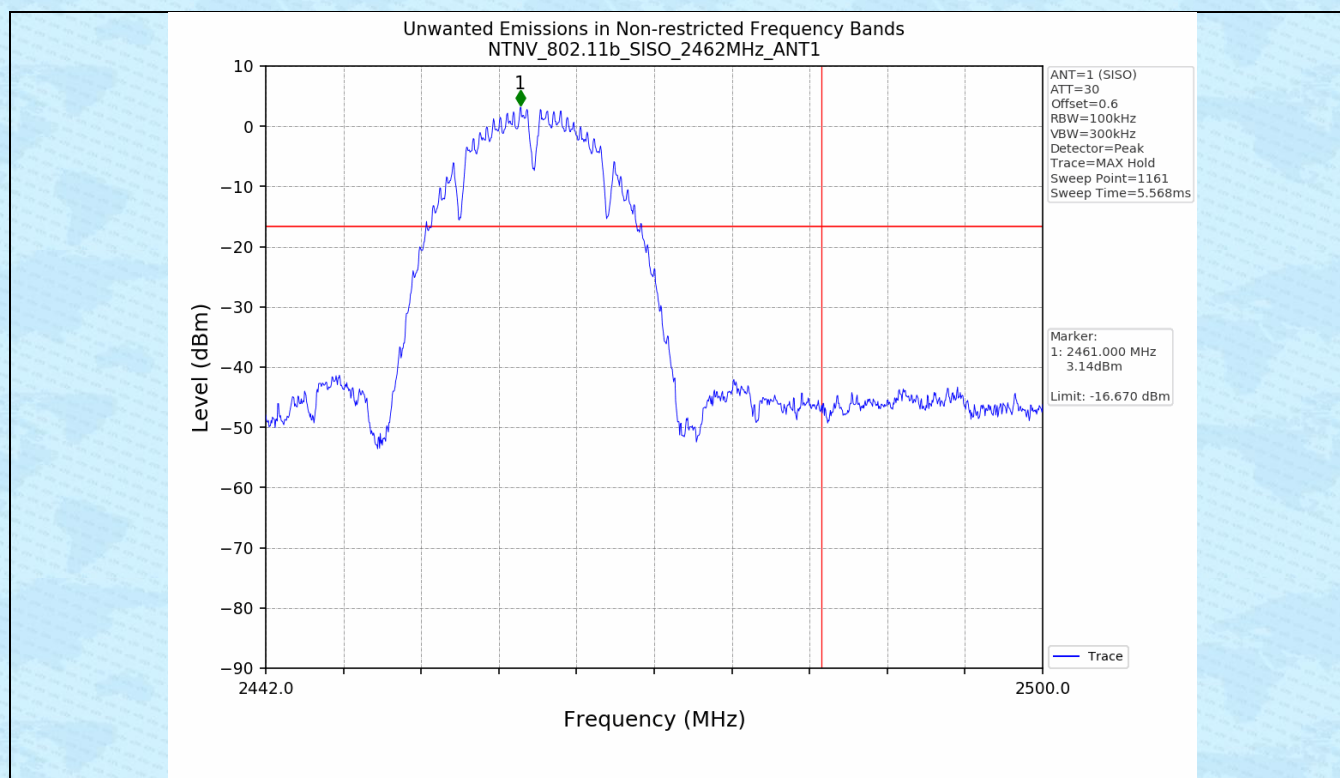
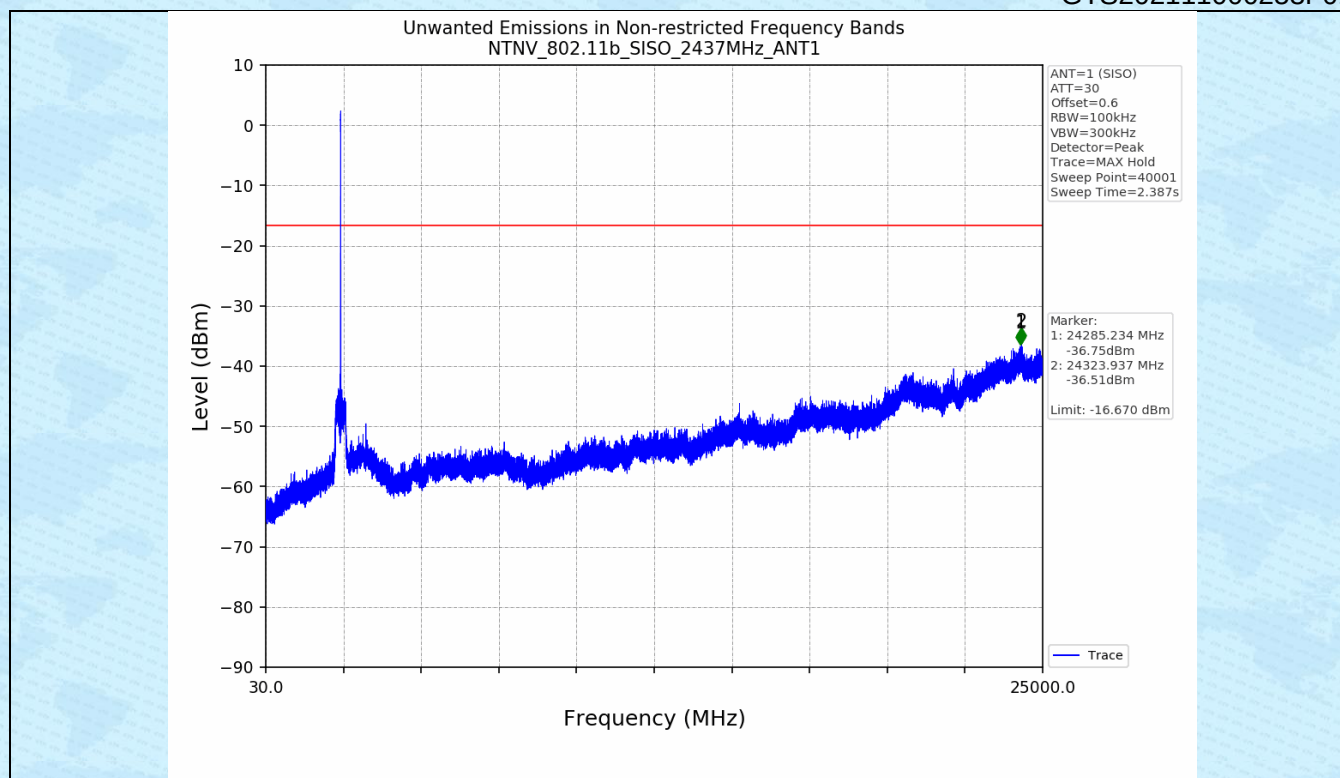
5.1 Test Result

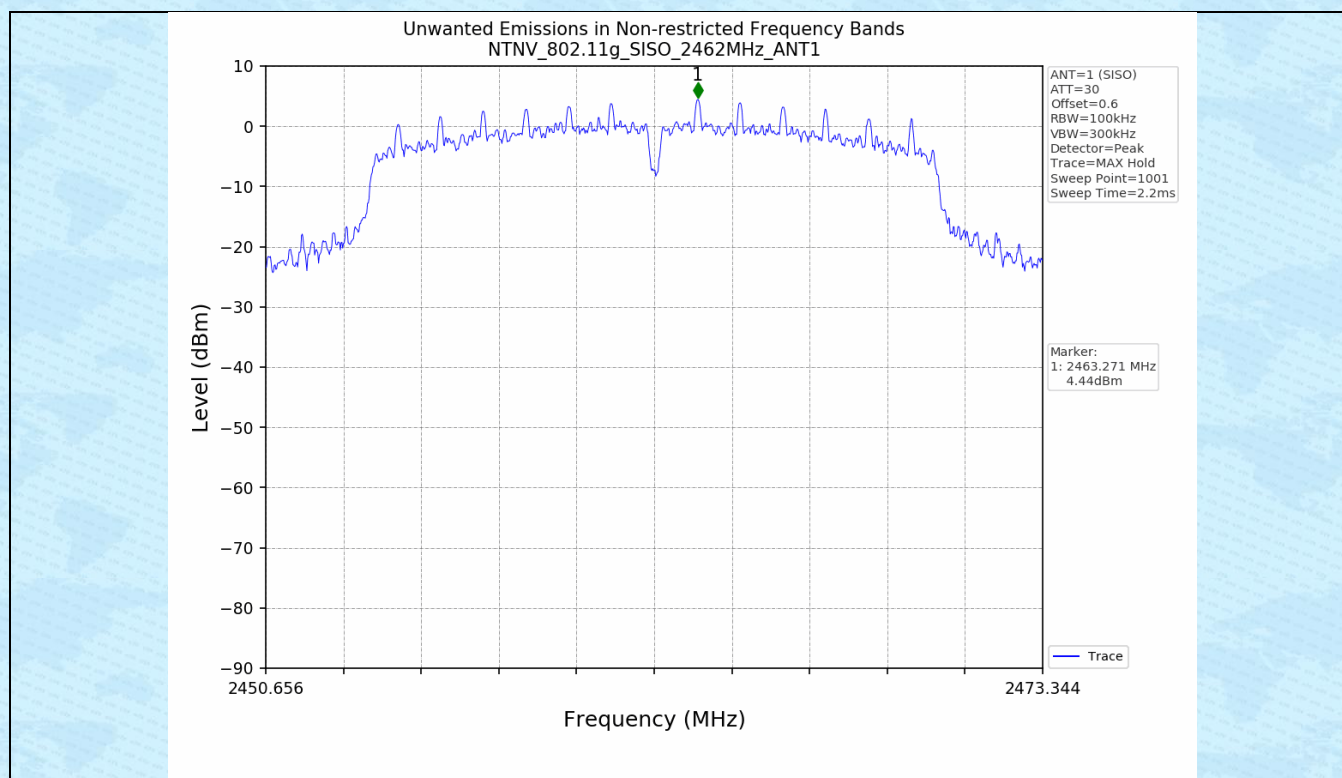
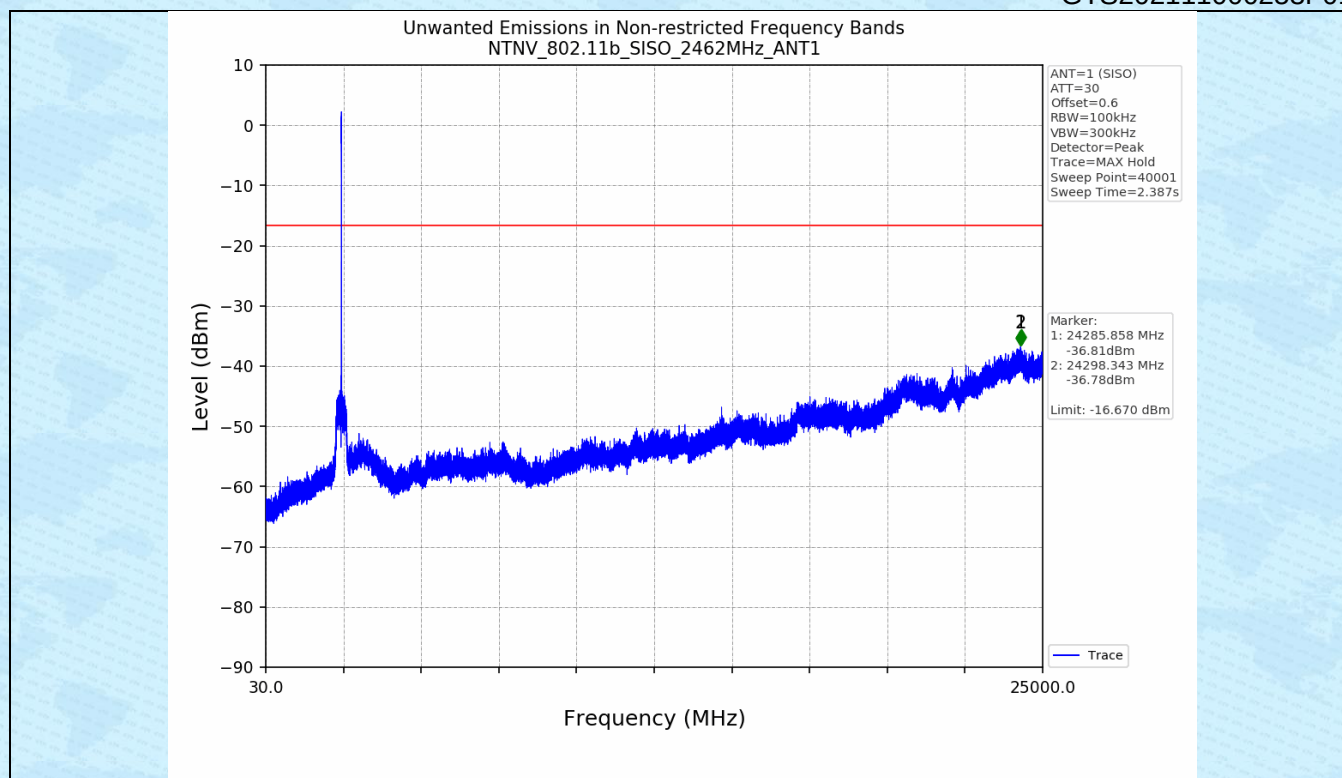
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-16.67	PASS
	2437	SISO	1	Refer to test graph	-16.67	PASS
	2462	SISO	1	Refer to test graph	-16.67	PASS
802.11g	2412	SISO	1	Refer to test graph	-15.56	PASS
	2437	SISO	1	Refer to test graph	-15.56	PASS
	2462	SISO	1	Refer to test graph	-15.56	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-15.86	PASS
	2437	SISO	1	Refer to test graph	-15.86	PASS
	2462	SISO	1	Refer to test graph	-15.86	PASS

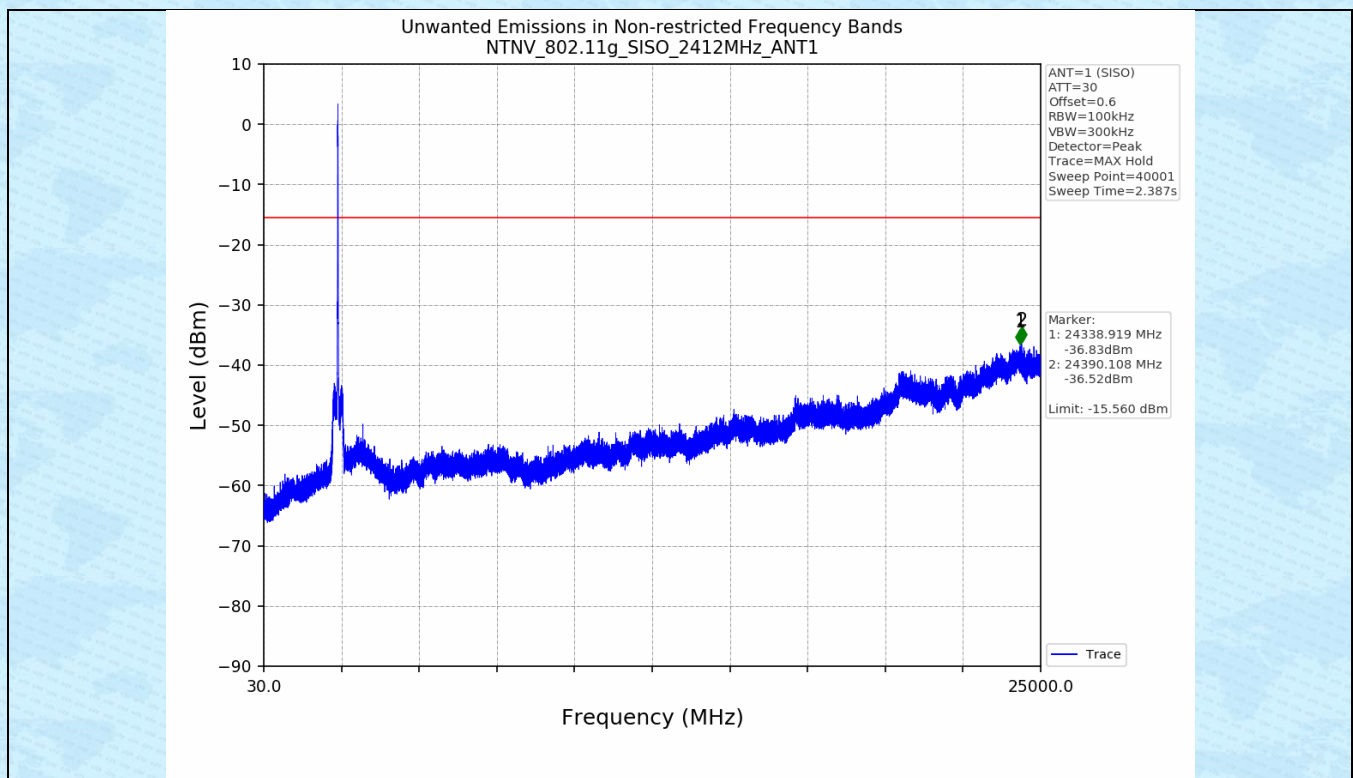
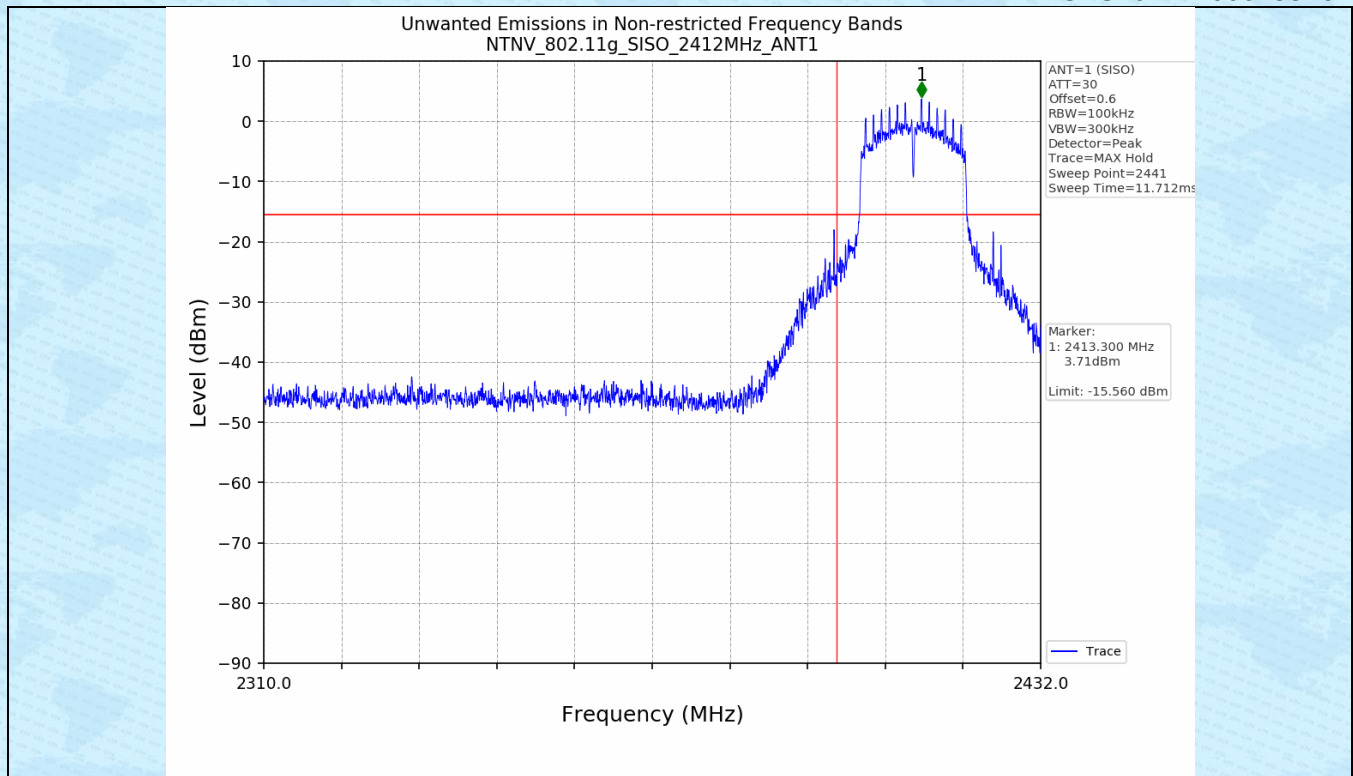
5.2 Test Graph

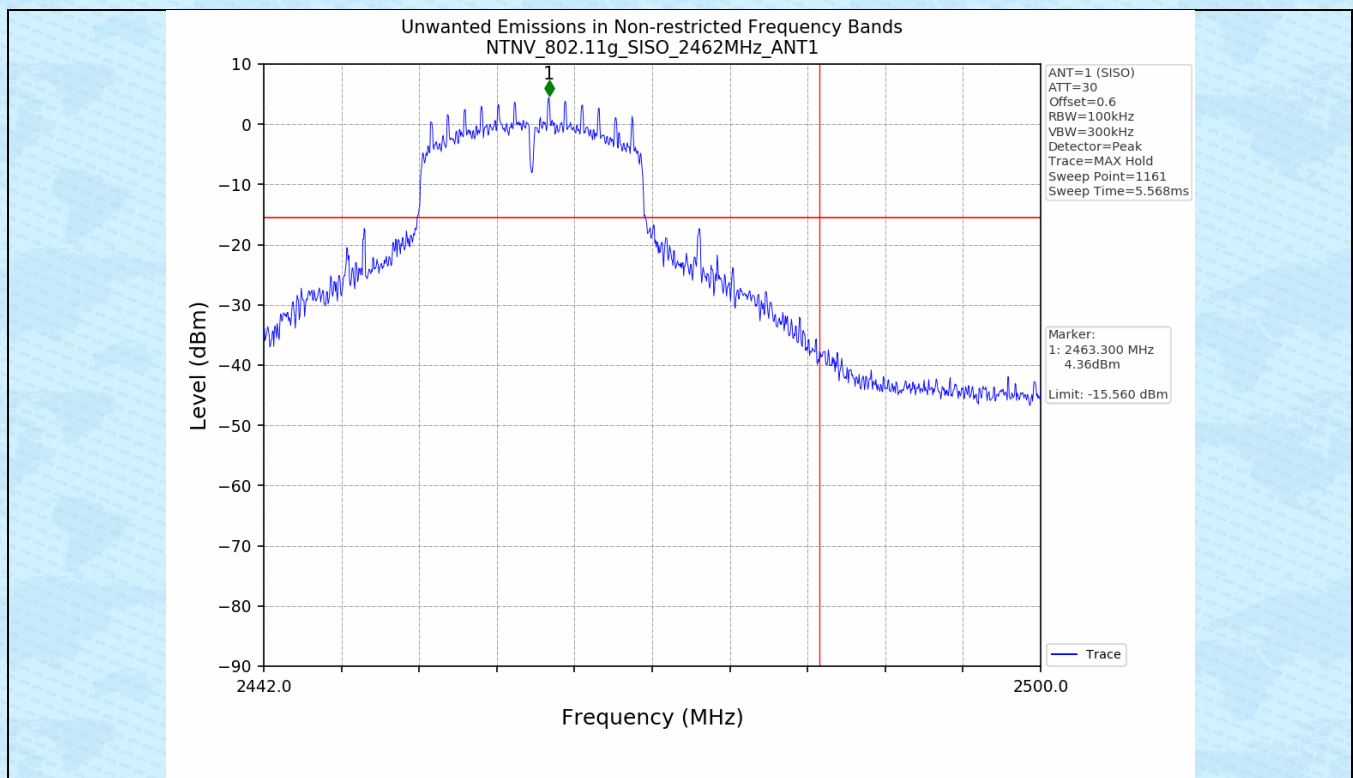
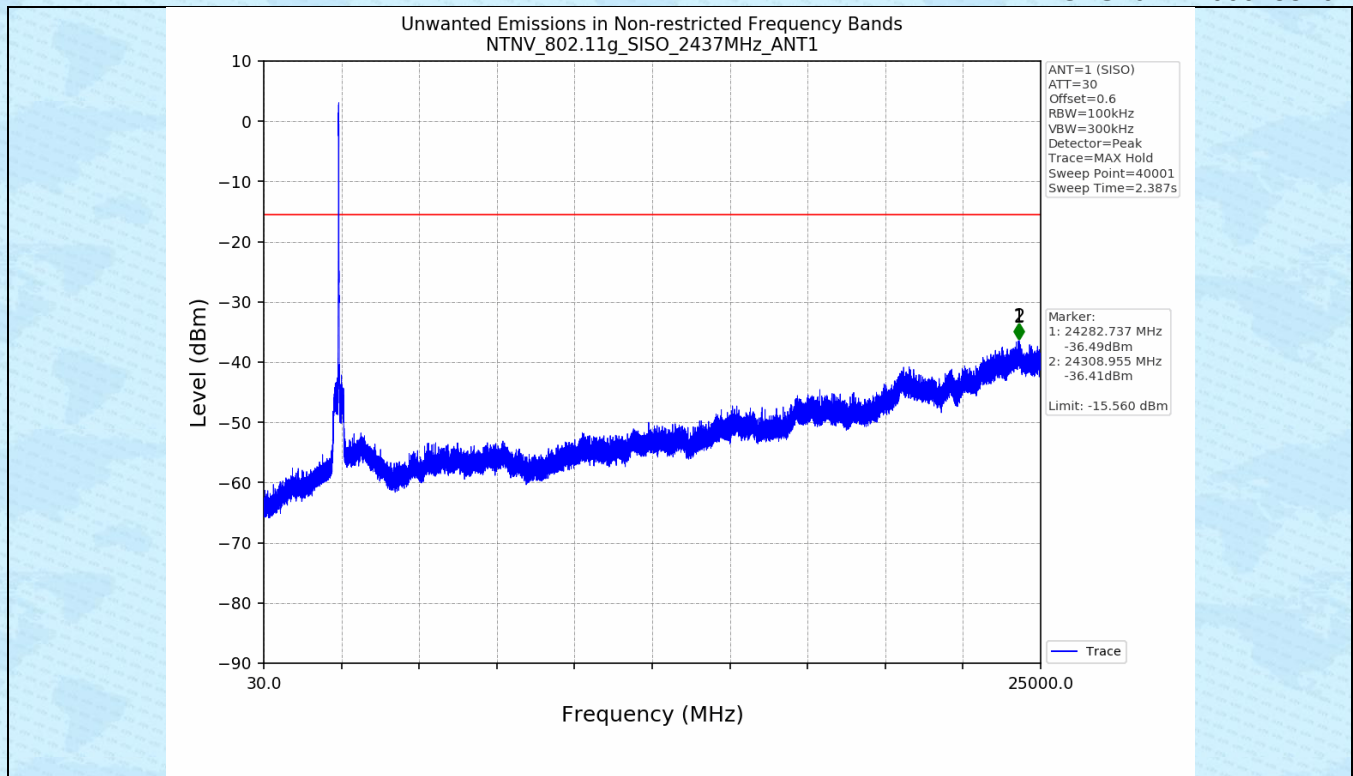


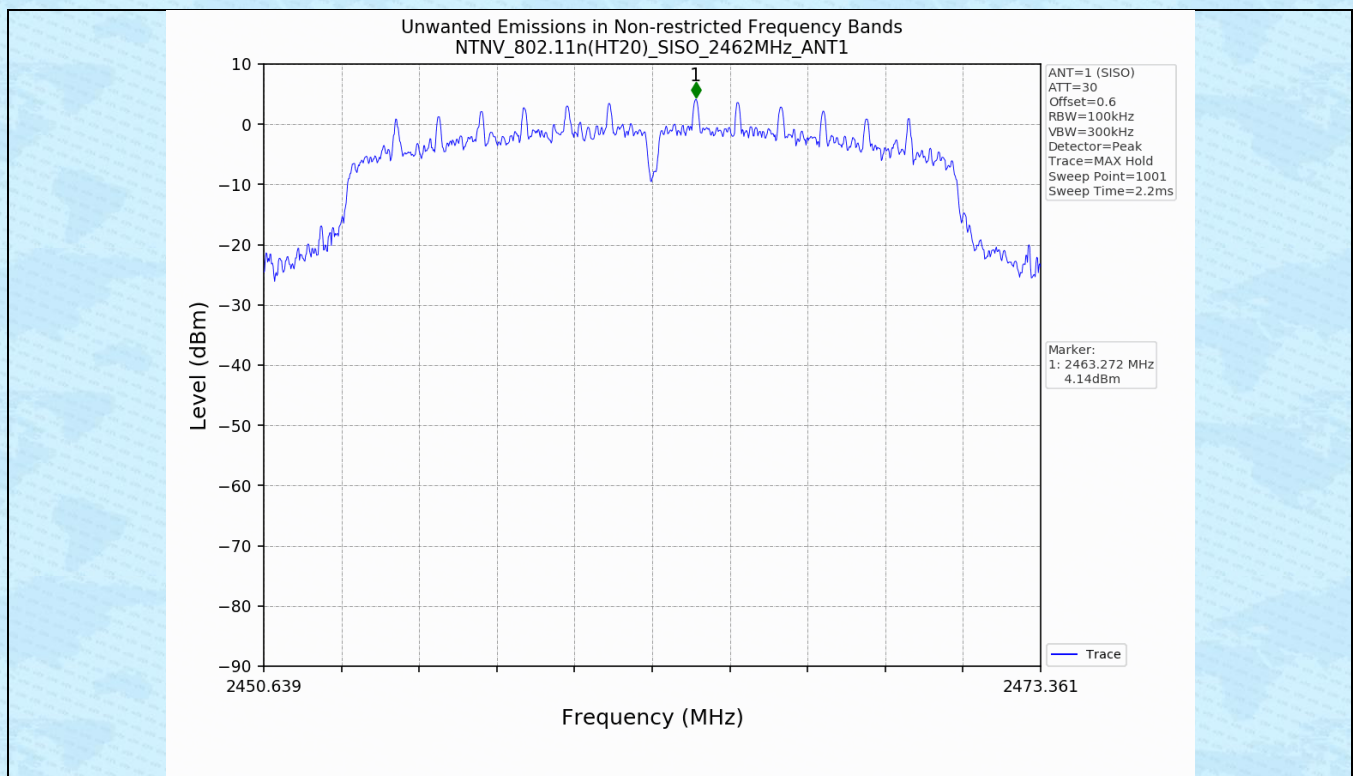
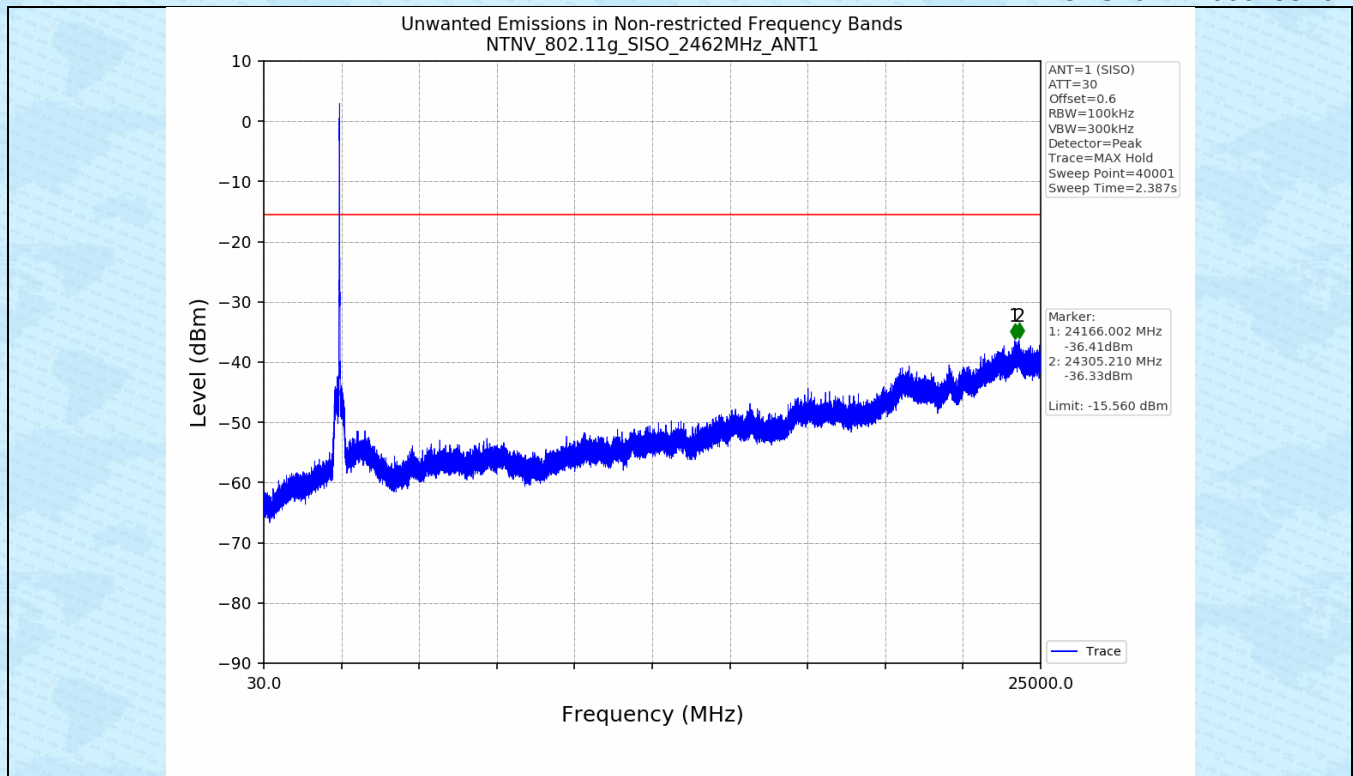


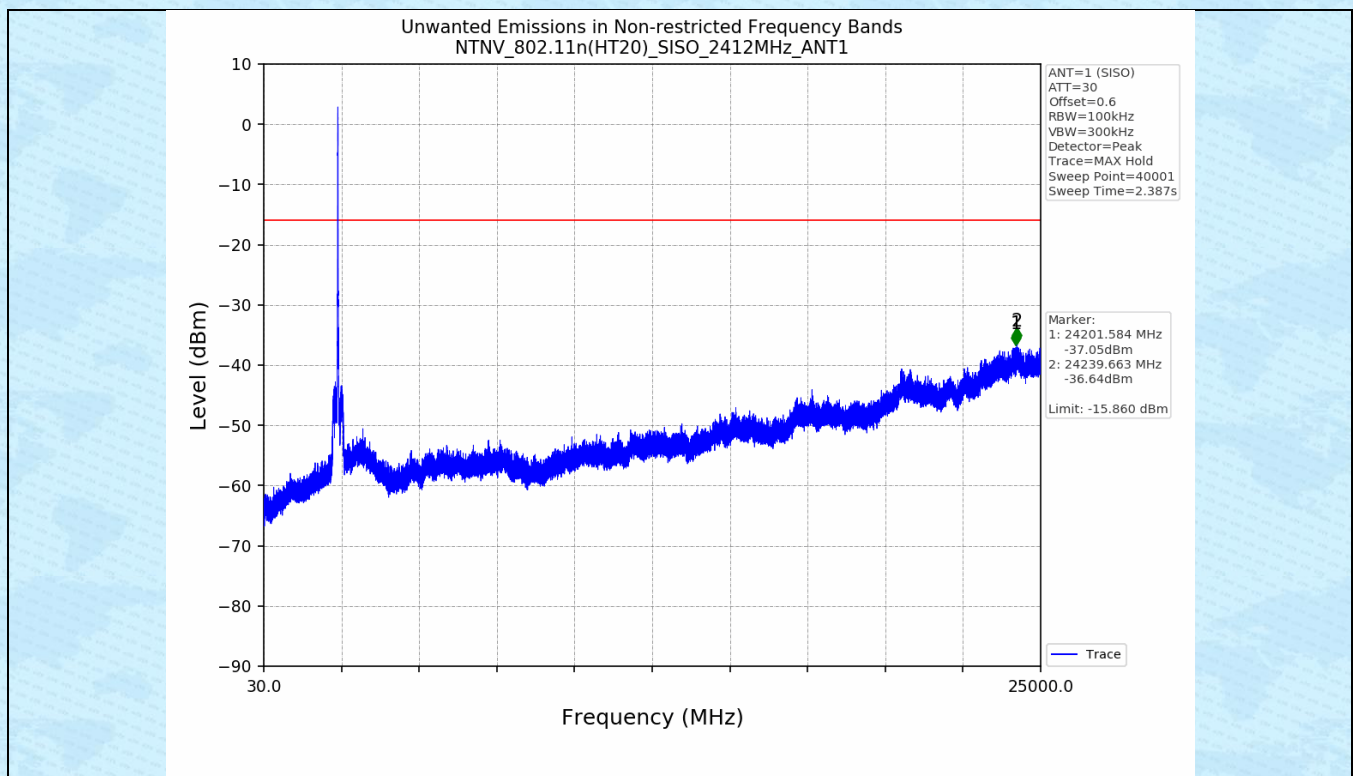
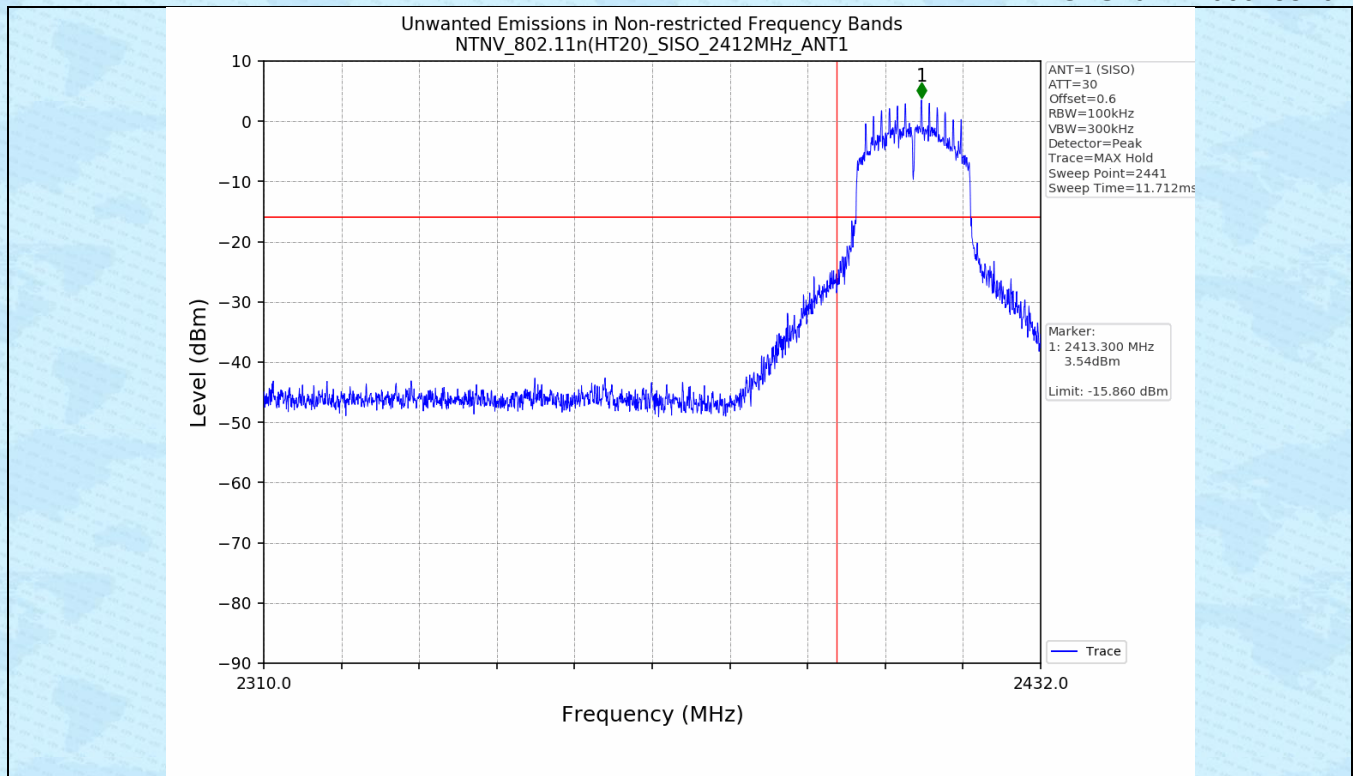


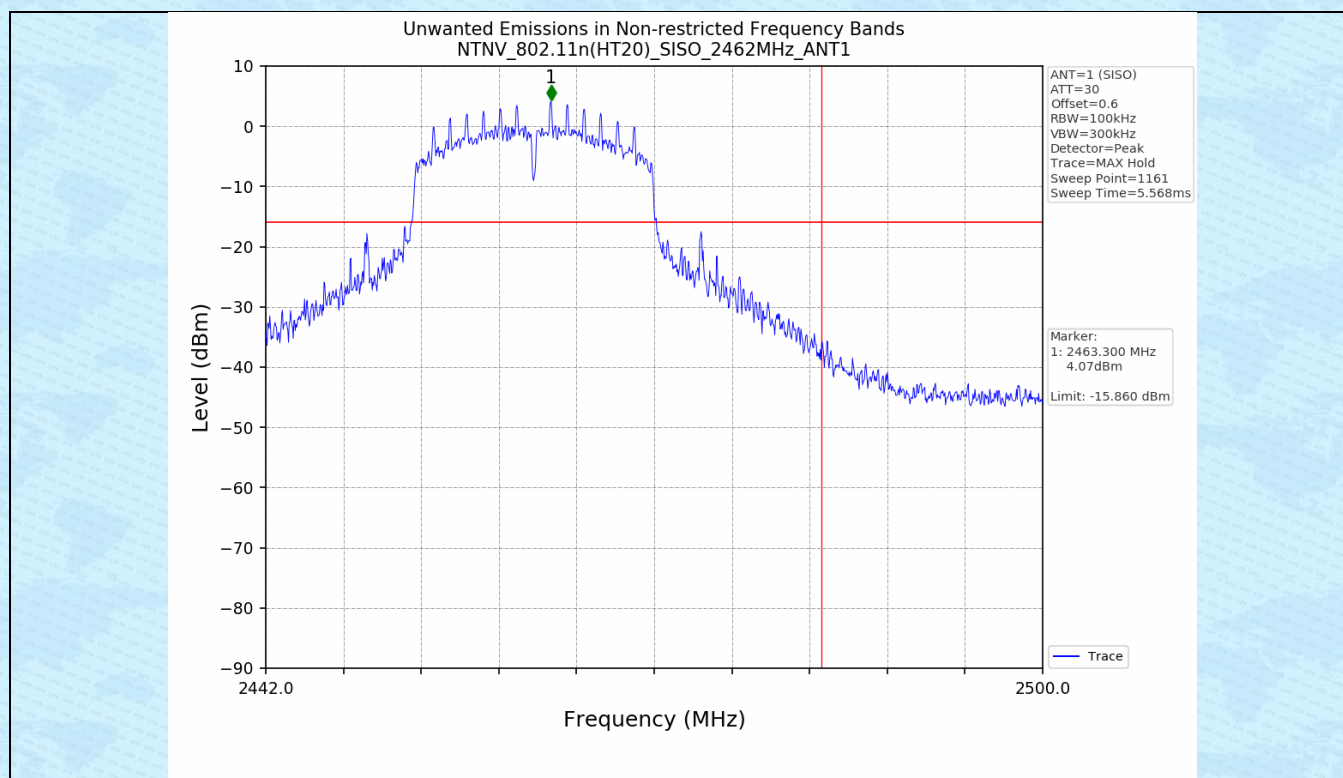
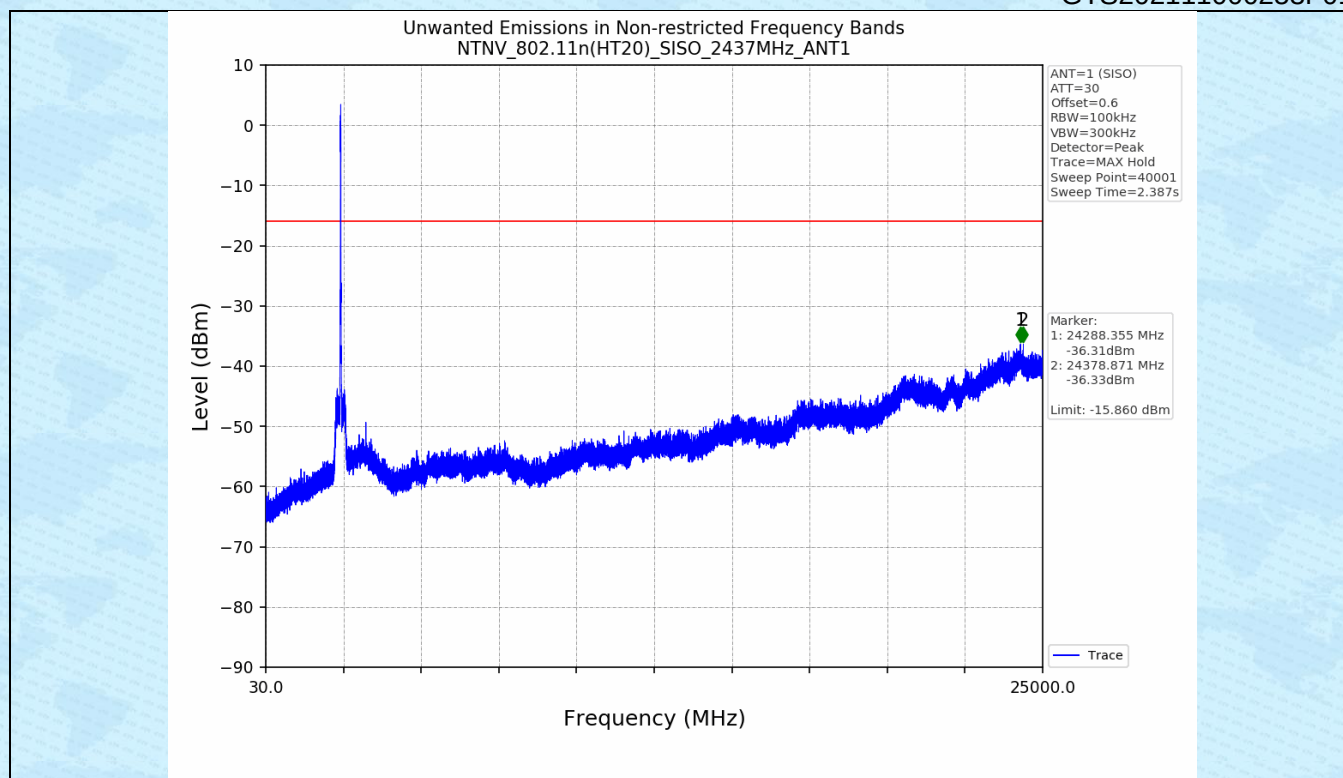


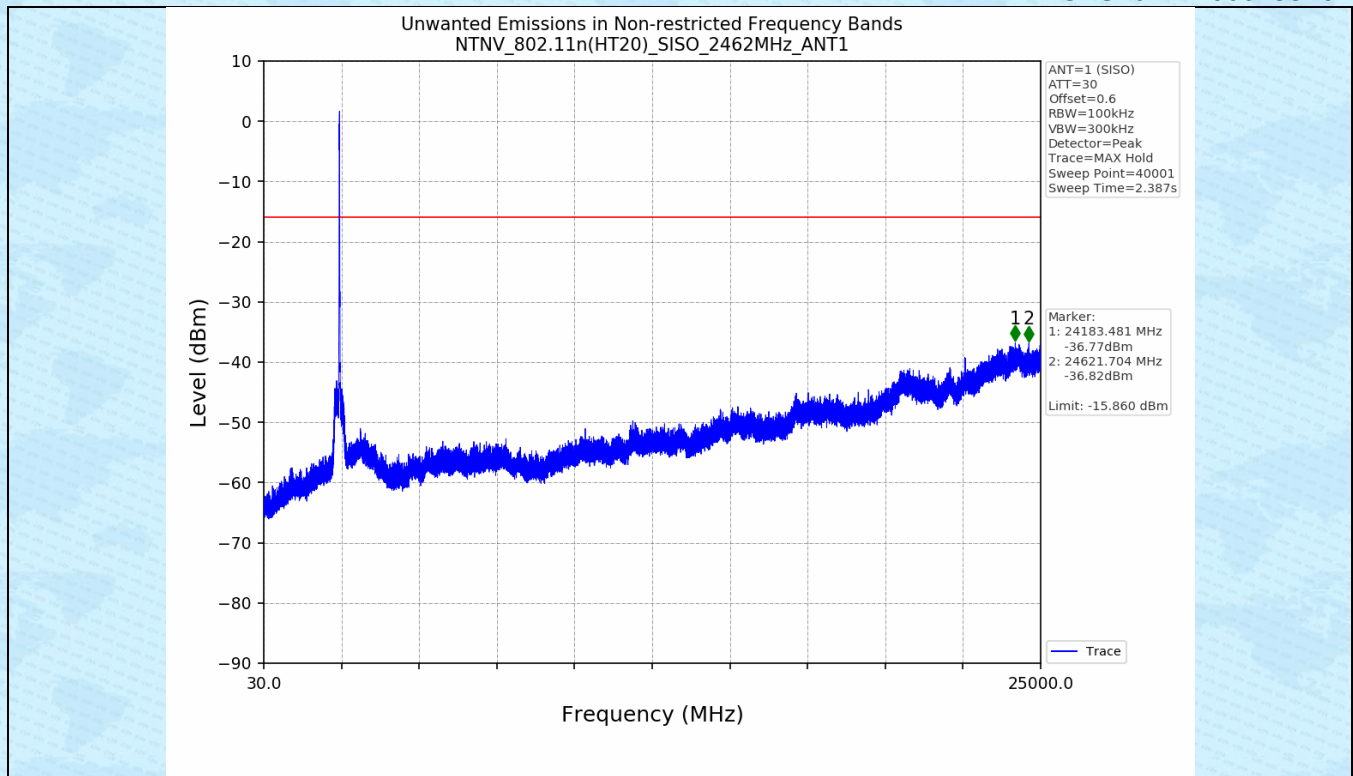












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