

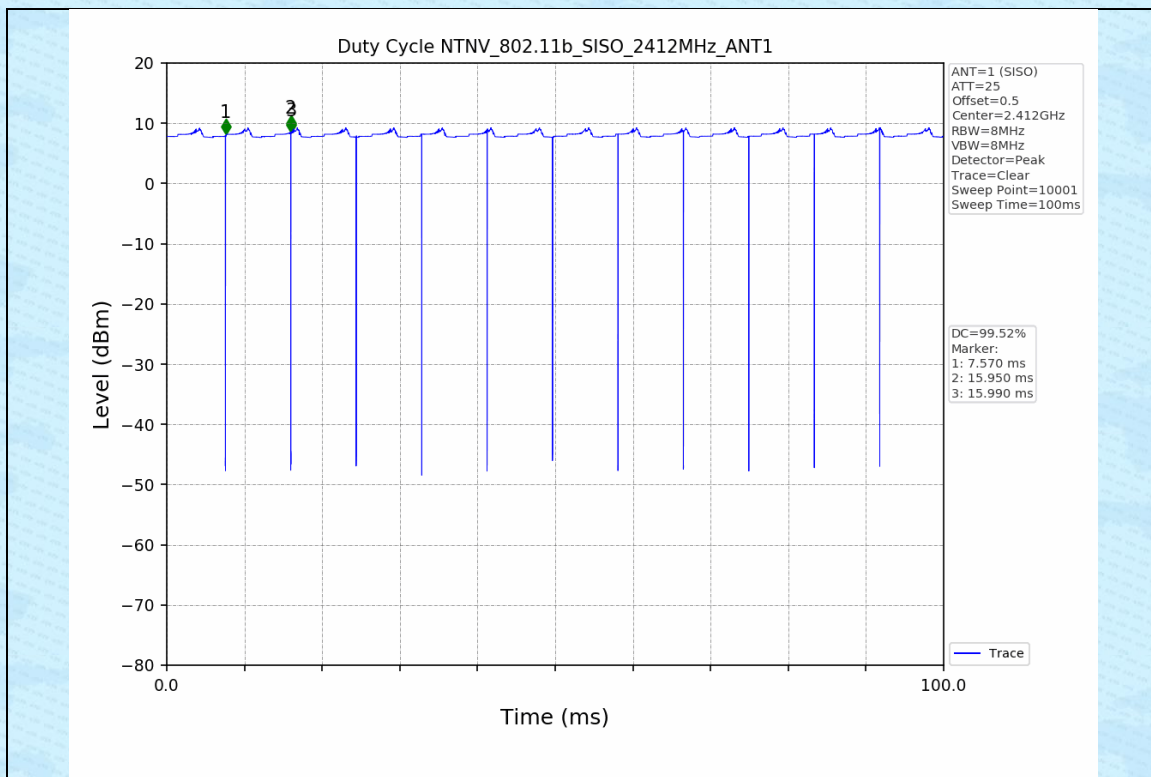
Appendix for 15.247

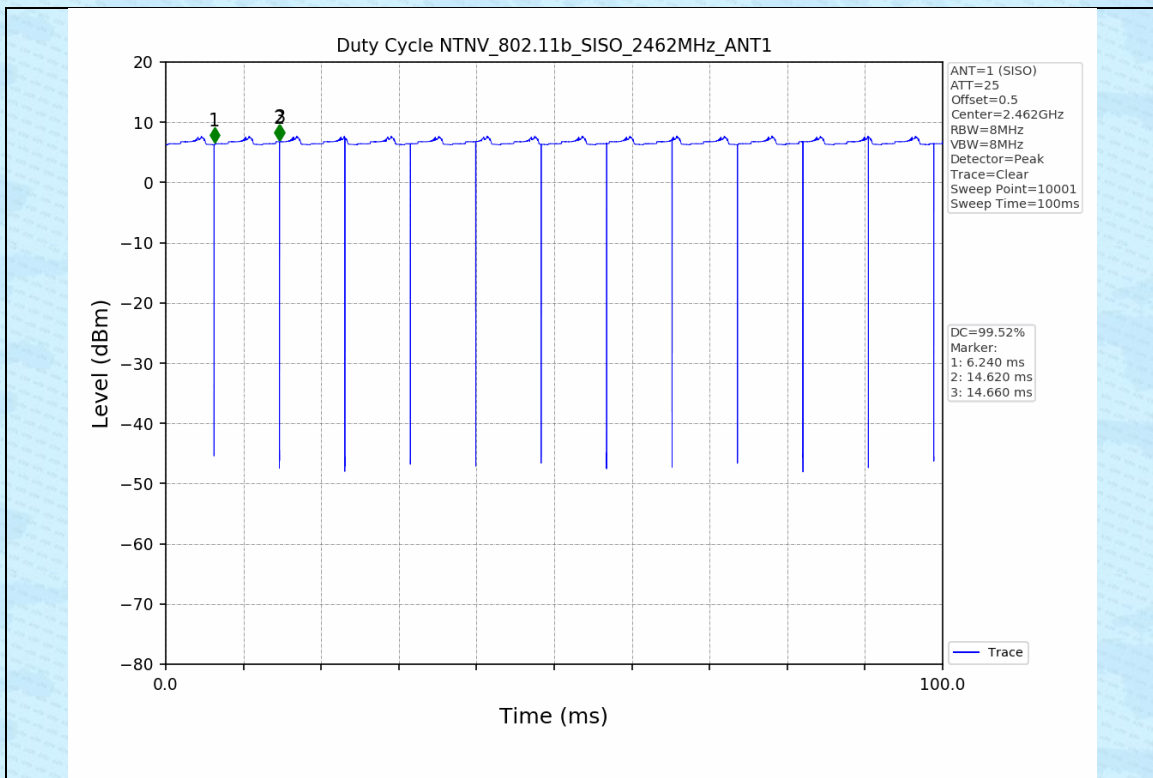
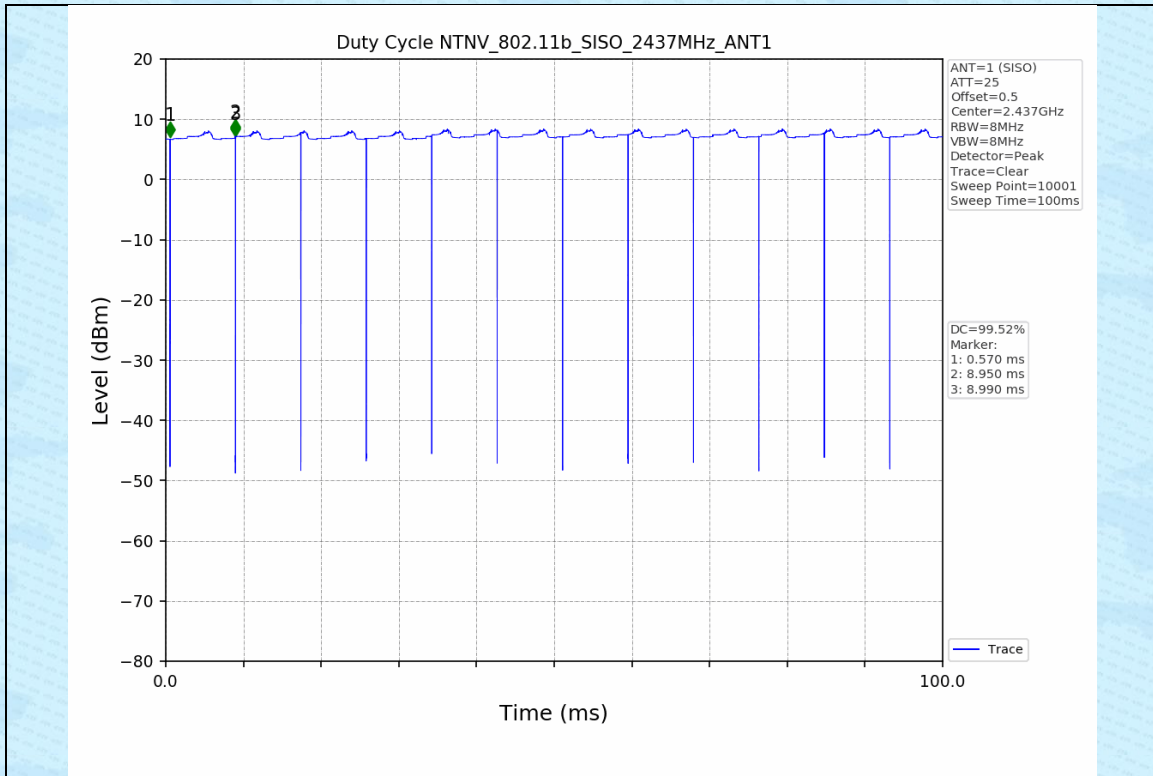
1. Duty Cycle

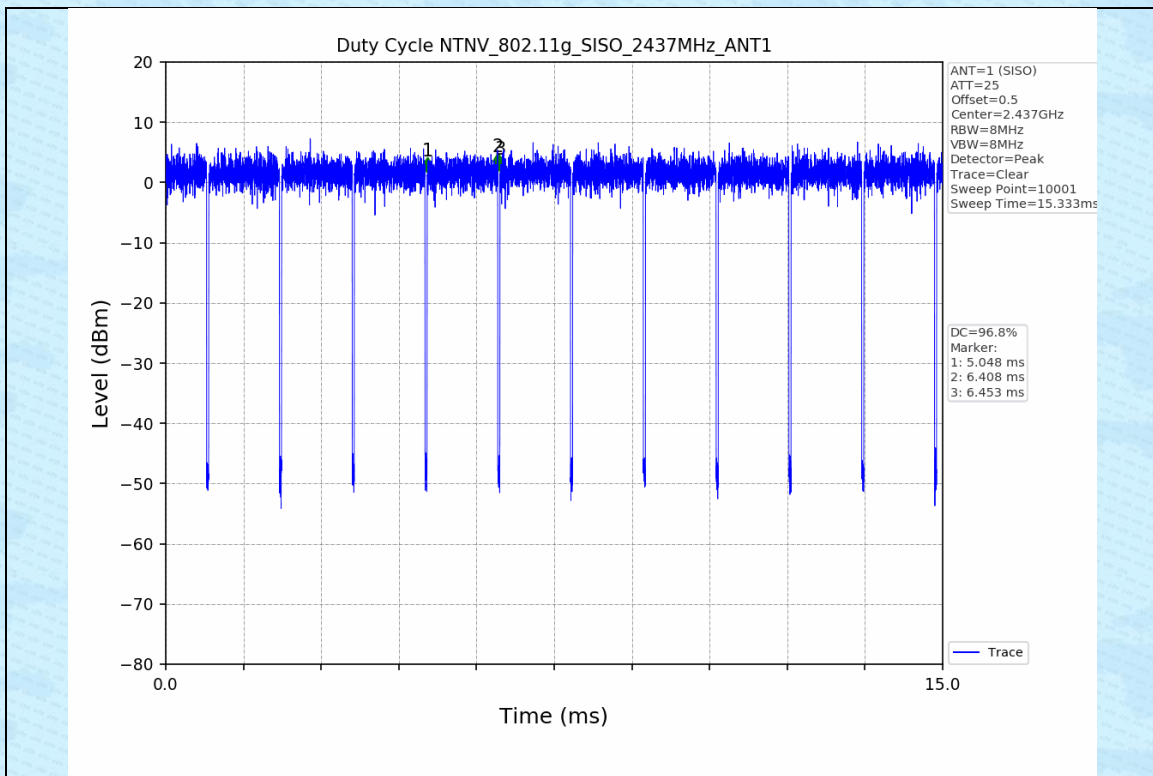
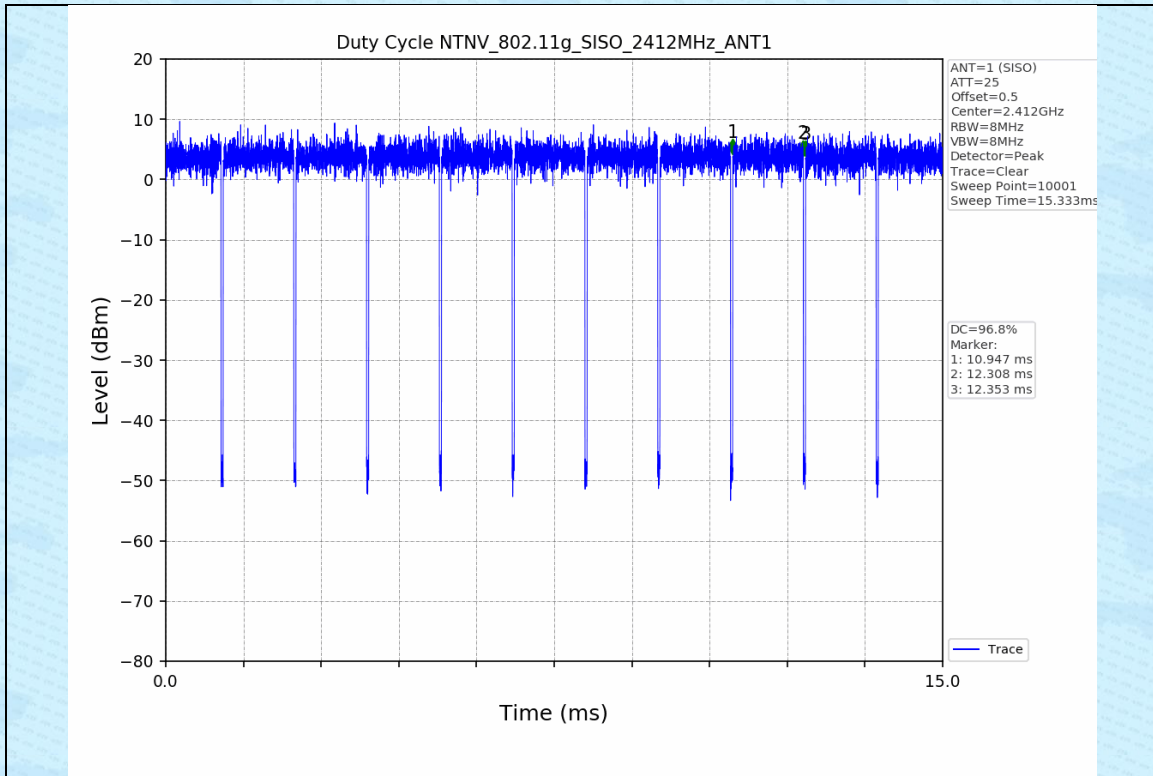
1.1 Test Result

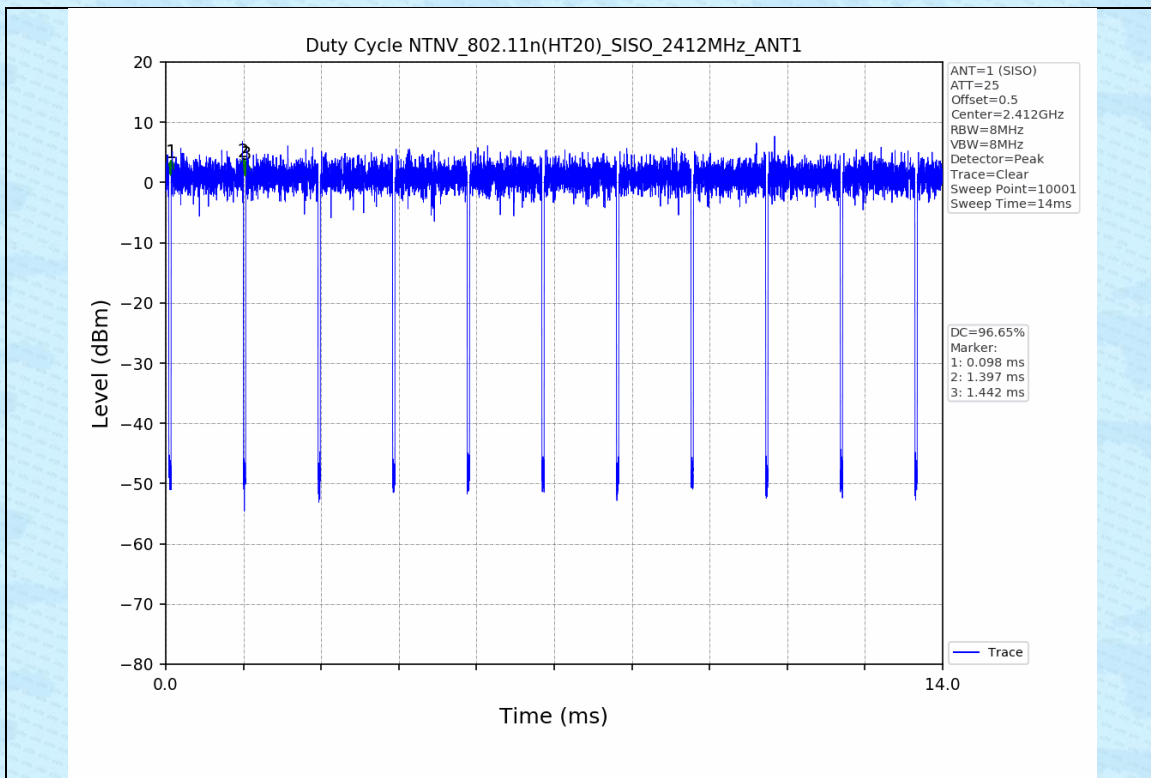
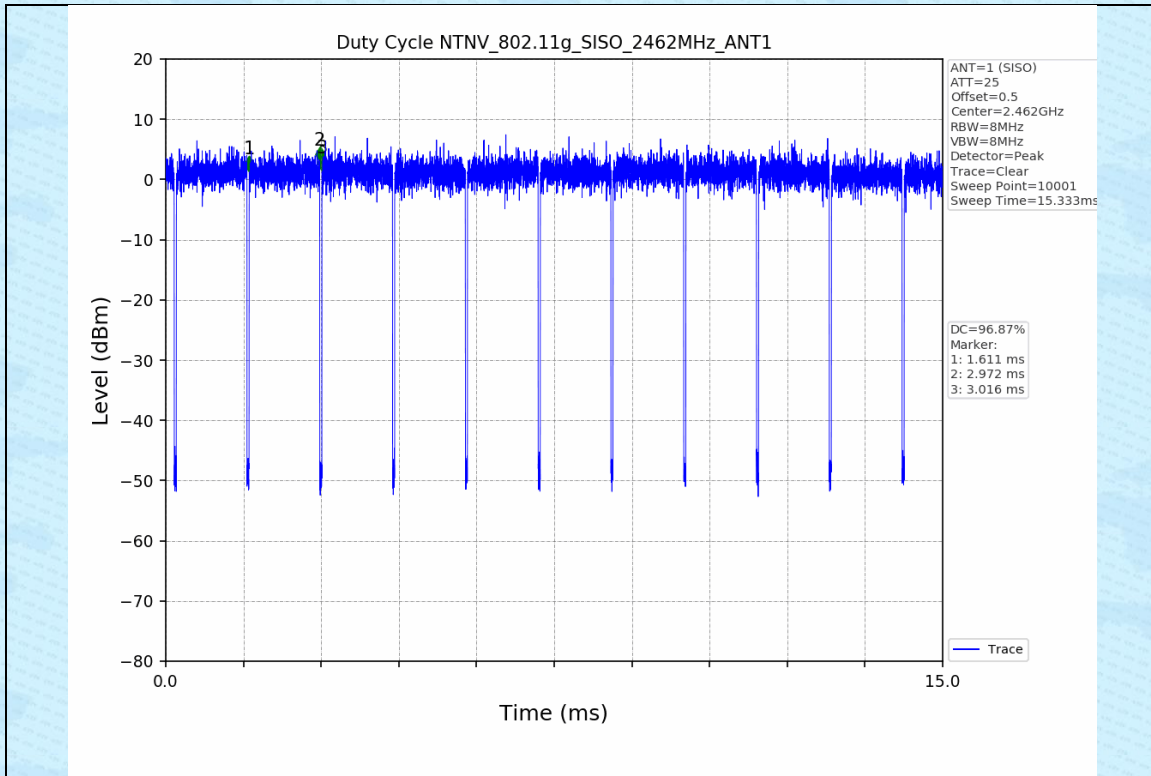
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	8.380	8.420	99.52	0.02
	2437	SISO	1	8.380	8.420	99.52	0.02
	2462	SISO	1	8.380	8.420	99.52	0.02
802.11g	2412	SISO	1	1.361	1.406	96.80	0.14
	2437	SISO	1	1.360	1.405	96.80	0.14
	2462	SISO	1	1.361	1.405	96.87	0.14
802.11n(HT20)	2412	SISO	1	1.299	1.344	96.65	0.15
	2437	SISO	1	1.299	1.344	96.65	0.15
	2462	SISO	1	1.299	1.344	96.65	0.15
802.11n(HT40)	2422	SISO	1	0.618	0.660	93.64	0.29
	2437	SISO	1	0.618	0.661	93.49	0.29
	2452	SISO	1	0.618	0.661	93.49	0.29

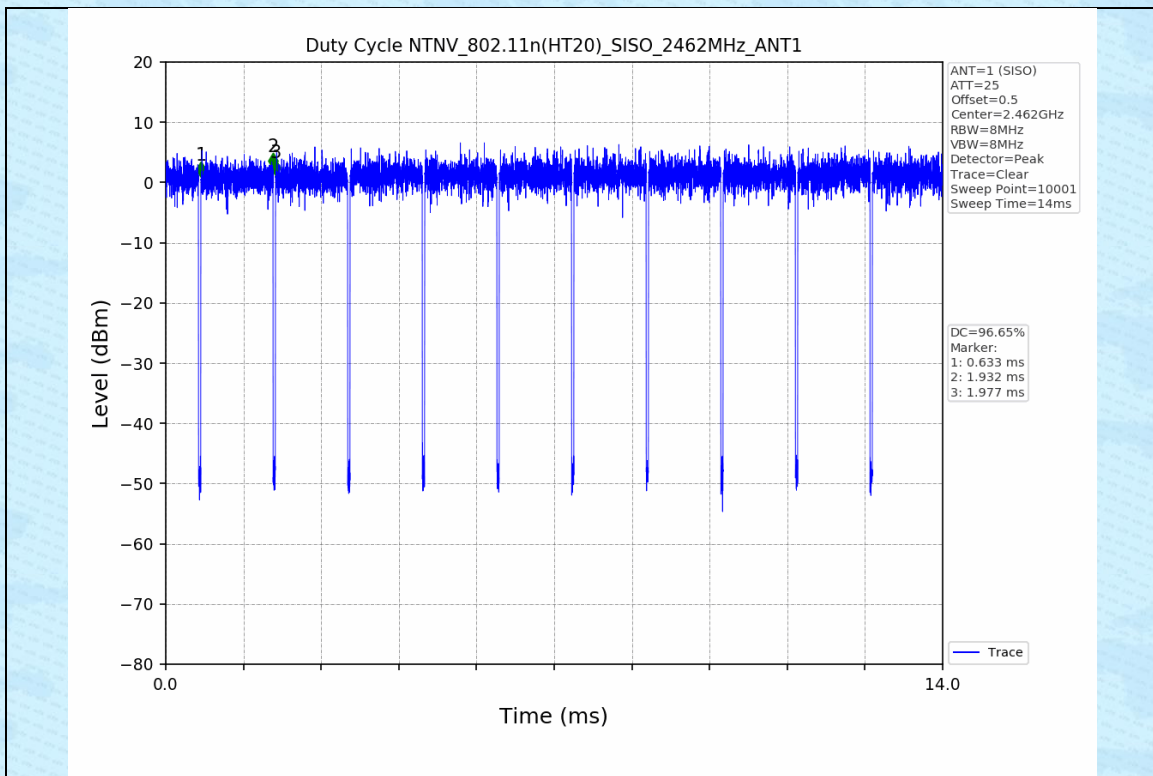
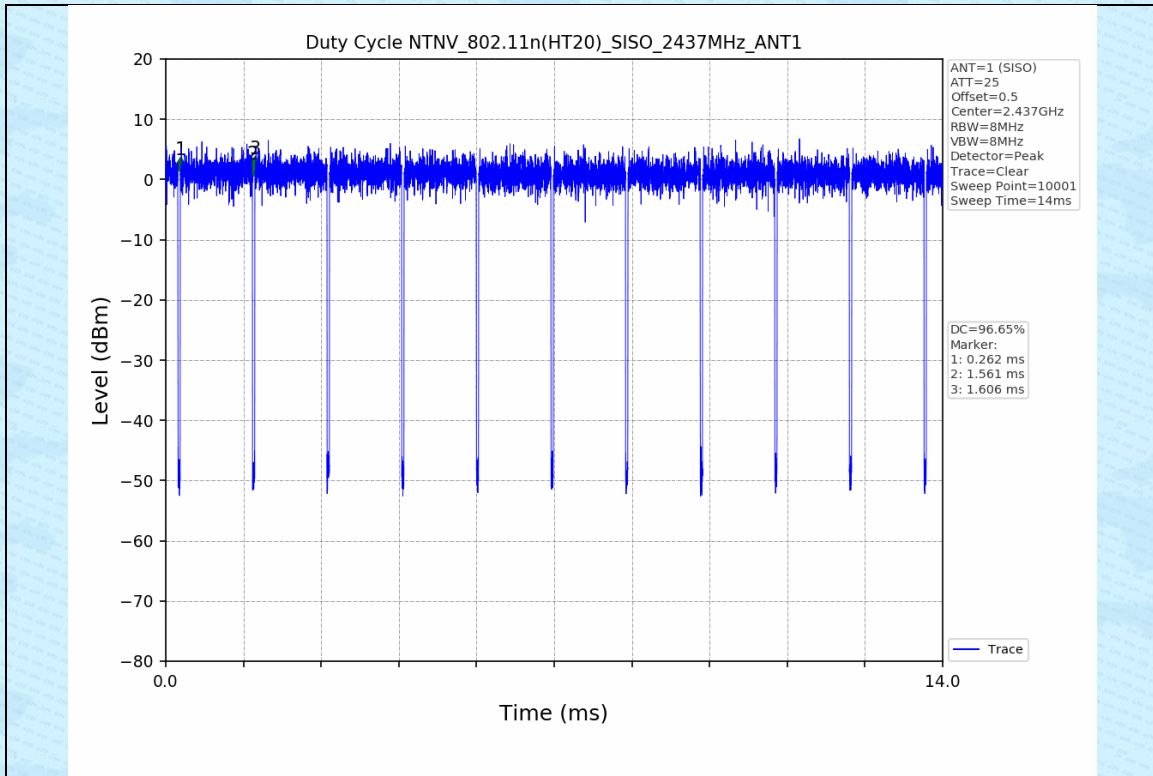
1.2 Test Graph

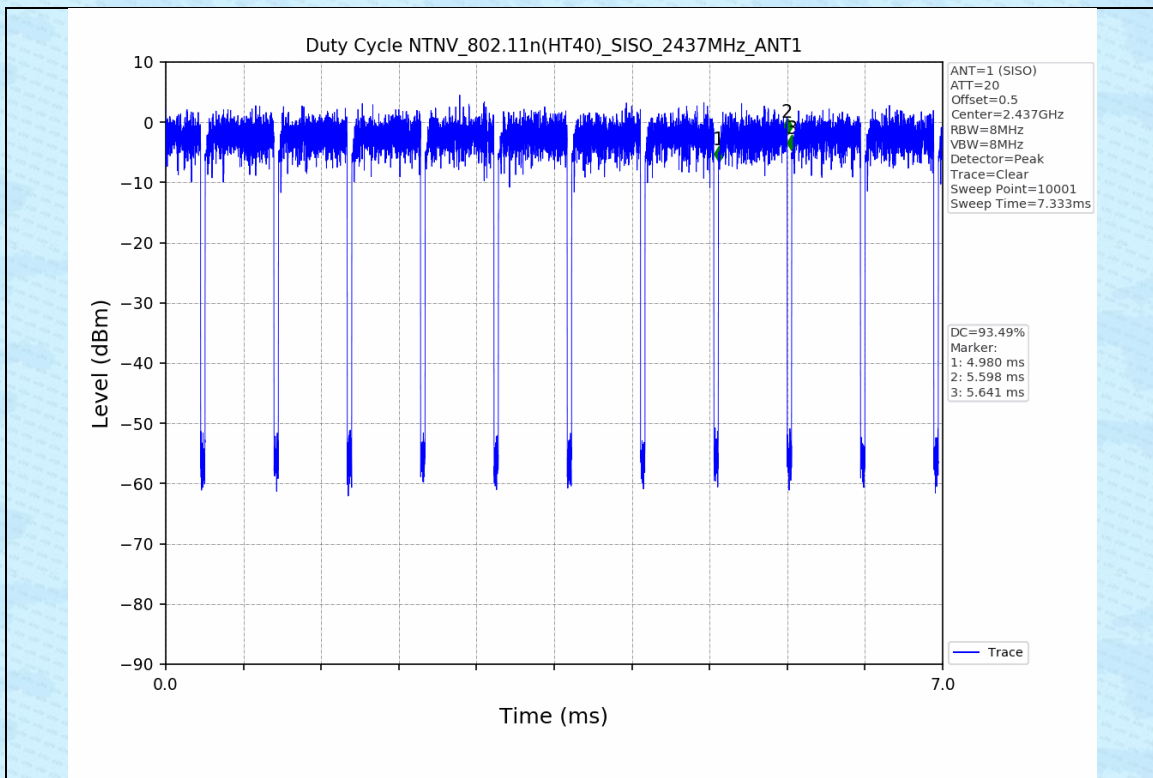
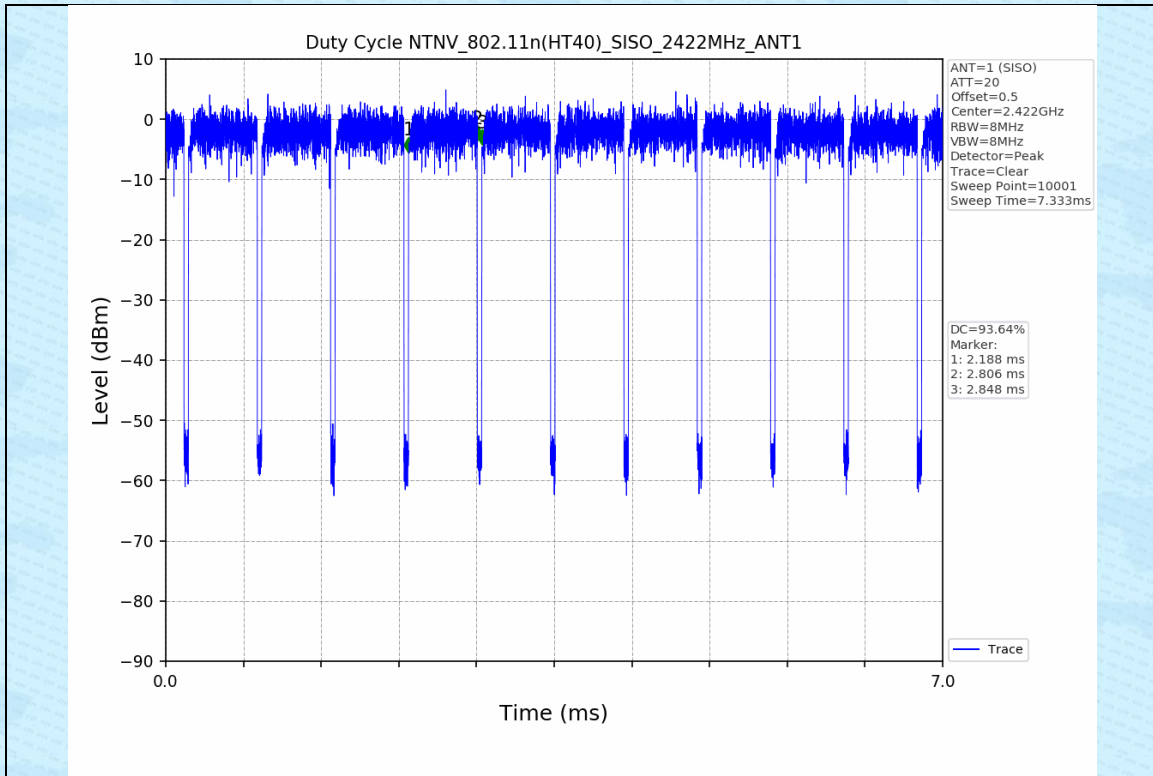


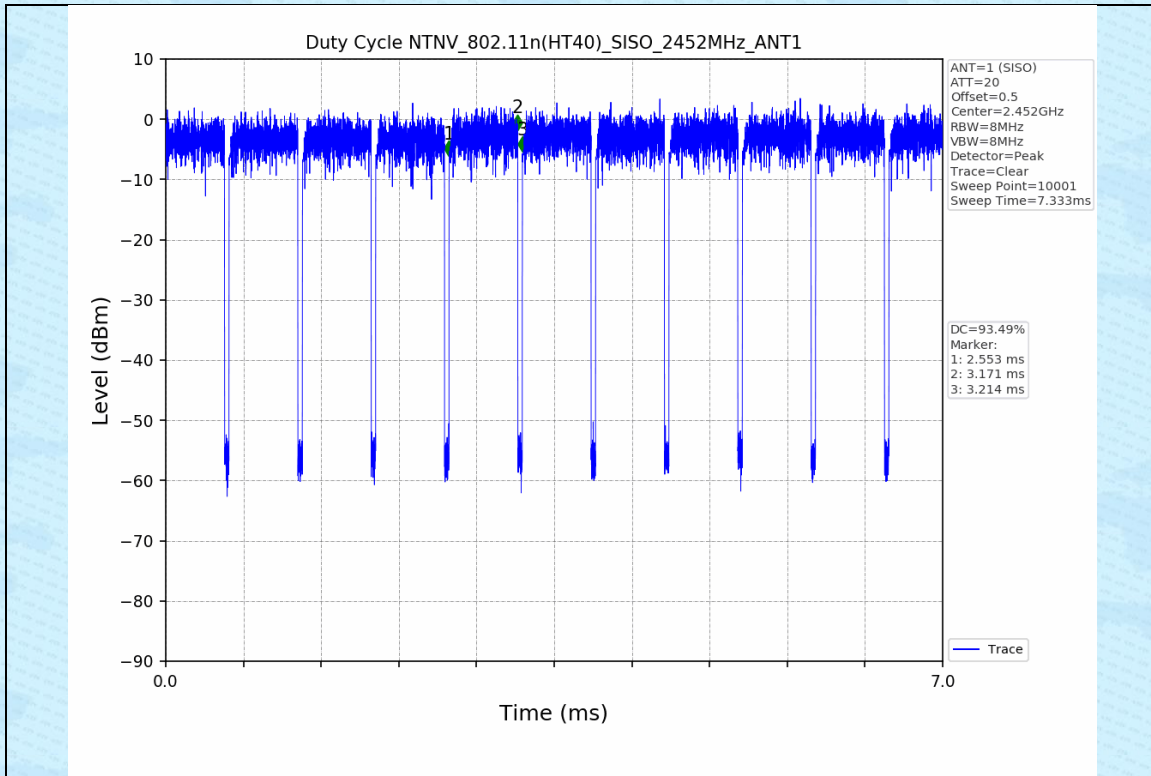












2. Bandwidth

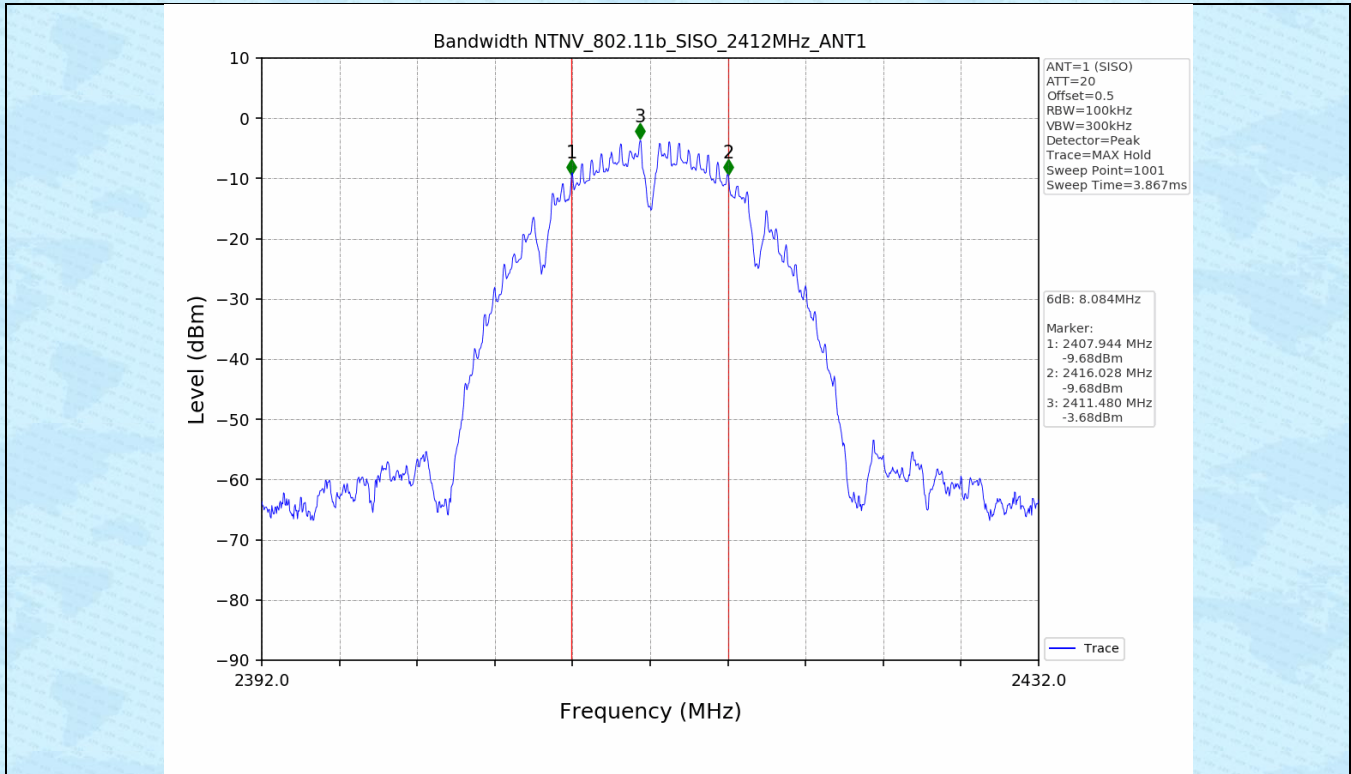
2.1 Test Result

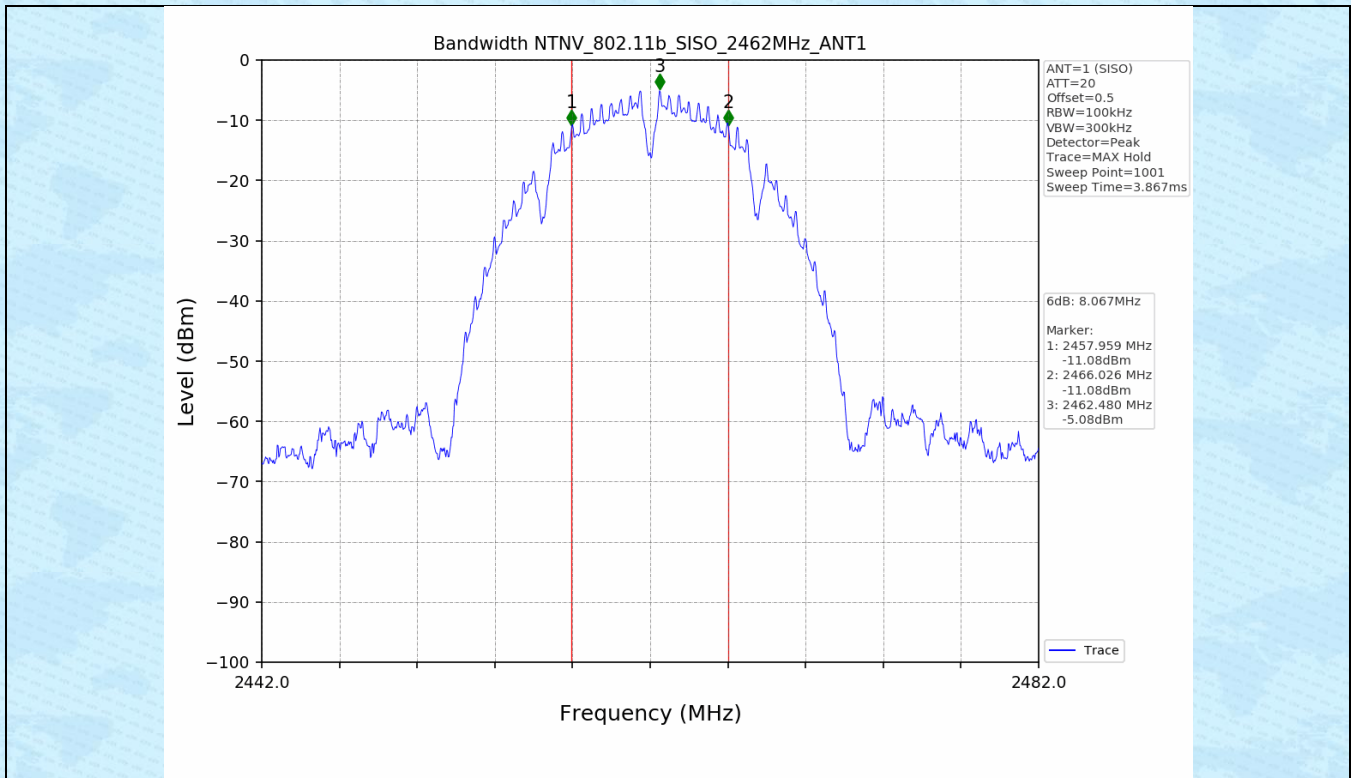
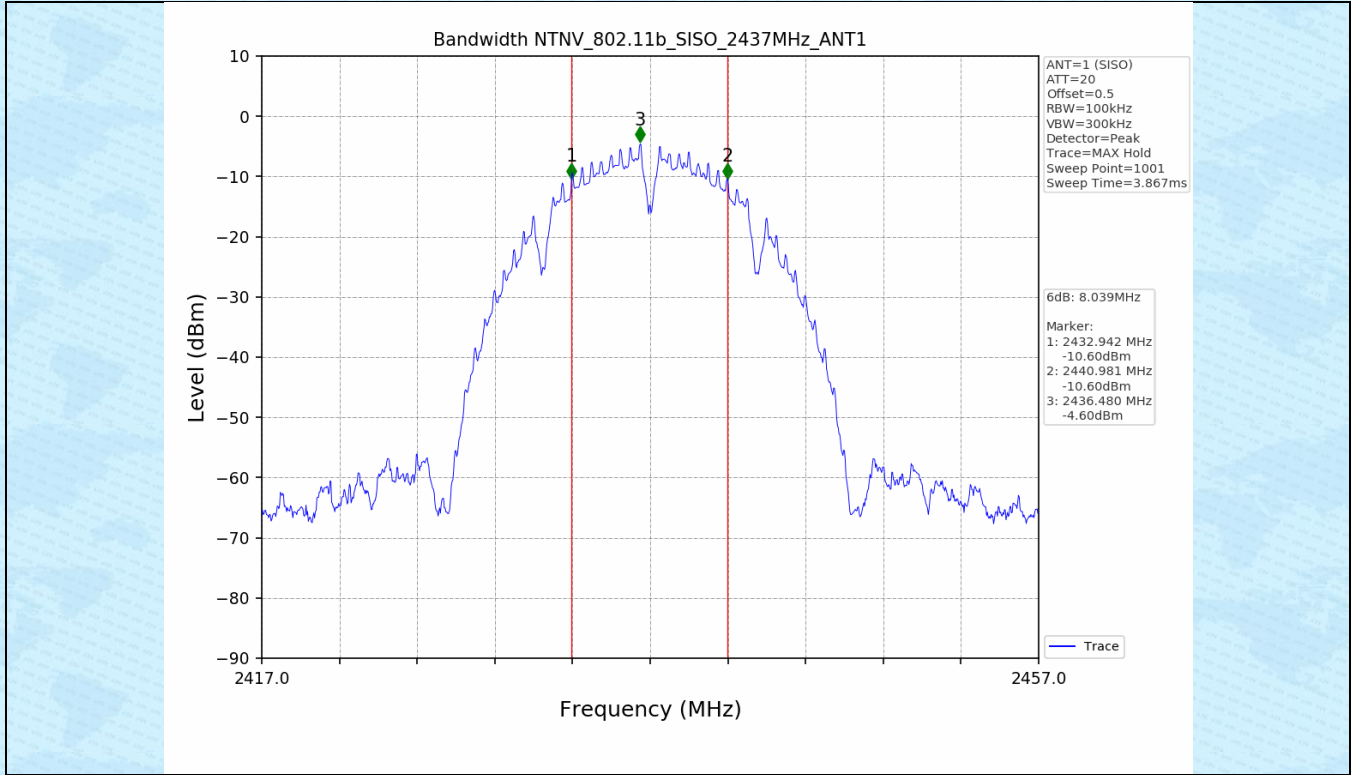
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	8.084	≥0.5	PASS
	2437	SISO	1	8.039	≥0.5	PASS
	2462	SISO	1	8.067	≥0.5	PASS
802.11g	2412	SISO	1	15.351	≥0.5	PASS
	2437	SISO	1	15.166	≥0.5	PASS
	2462	SISO	1	15.316	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	15.126	≥0.5	PASS
	2437	SISO	1	15.307	≥0.5	PASS
	2462	SISO	1	15.132	≥0.5	PASS
802.11n(HT40)	2422	SISO	1	35.164	≥0.5	PASS
	2437	SISO	1	35.073	≥0.5	PASS
	2452	SISO	1	35.212	≥0.5	PASS

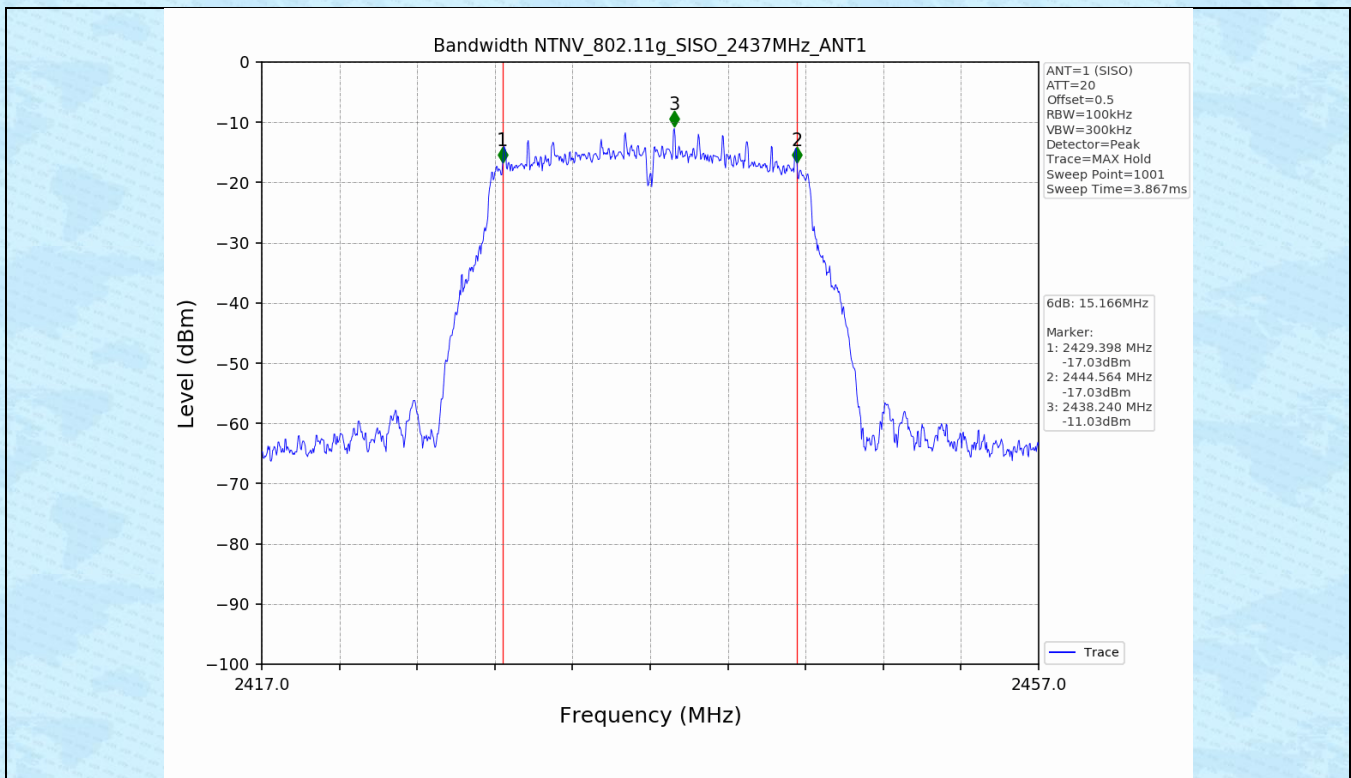
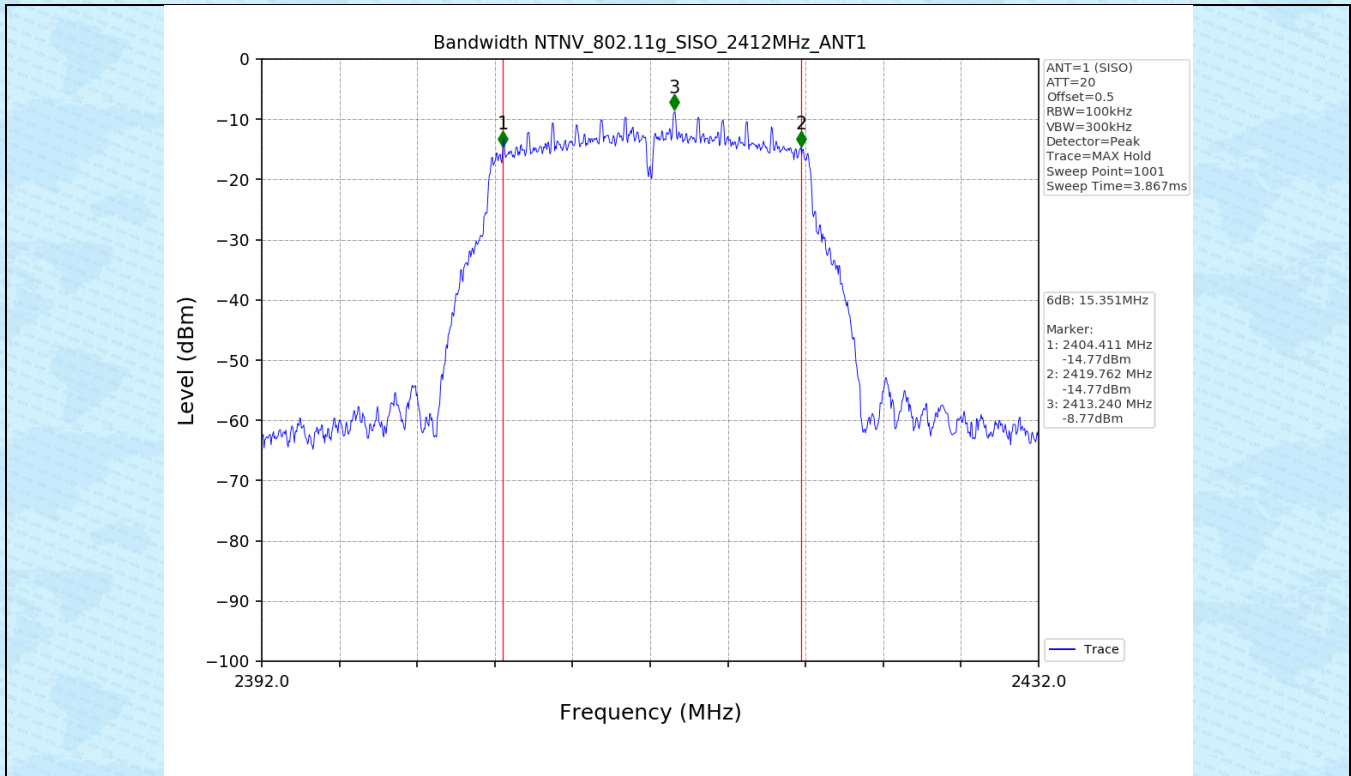
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	Only for Report Use
802.11b	2412	SISO	1	12.736	Only for Report Use
	2437	SISO	1	12.679	Only for Report Use
	2462	SISO	1	12.719	Only for Report Use
802.11g	2412	SISO	1	16.690	Only for Report Use
	2437	SISO	1	16.673	Only for Report Use

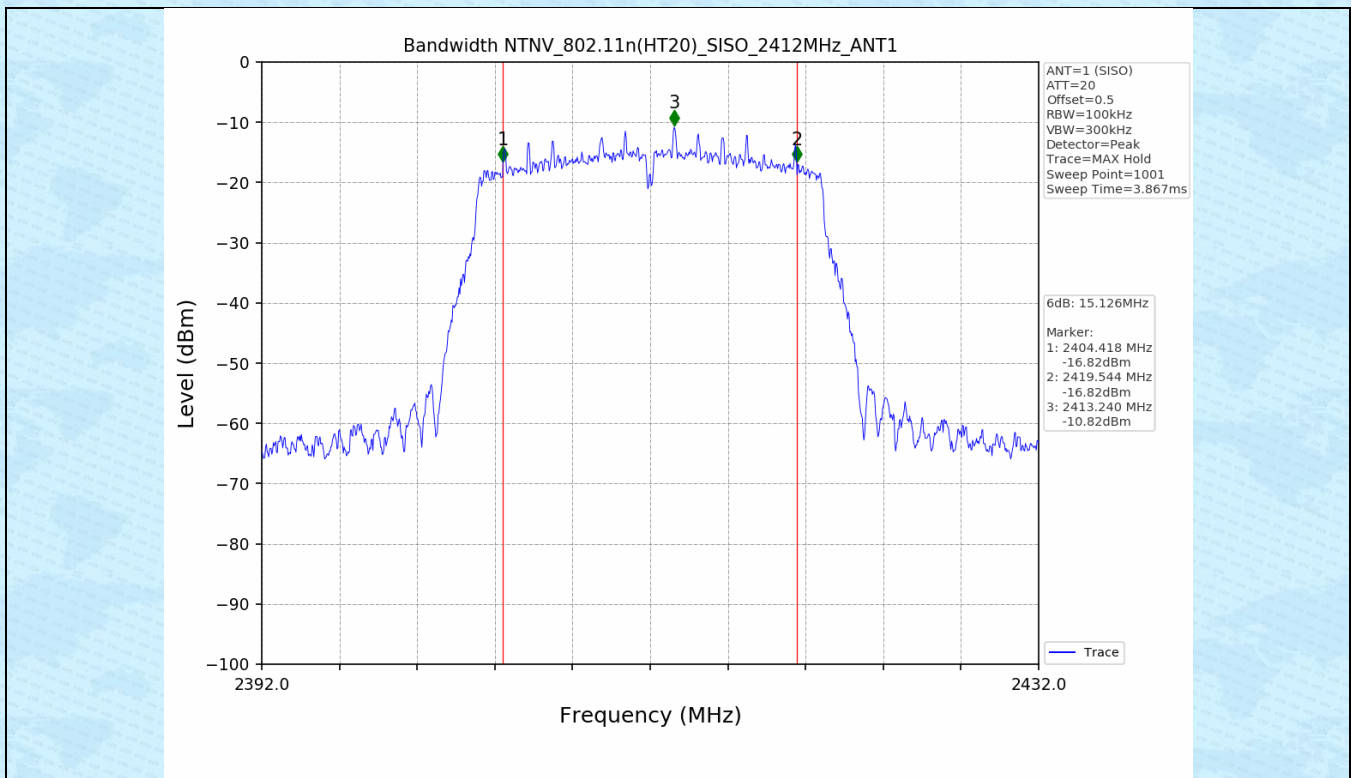
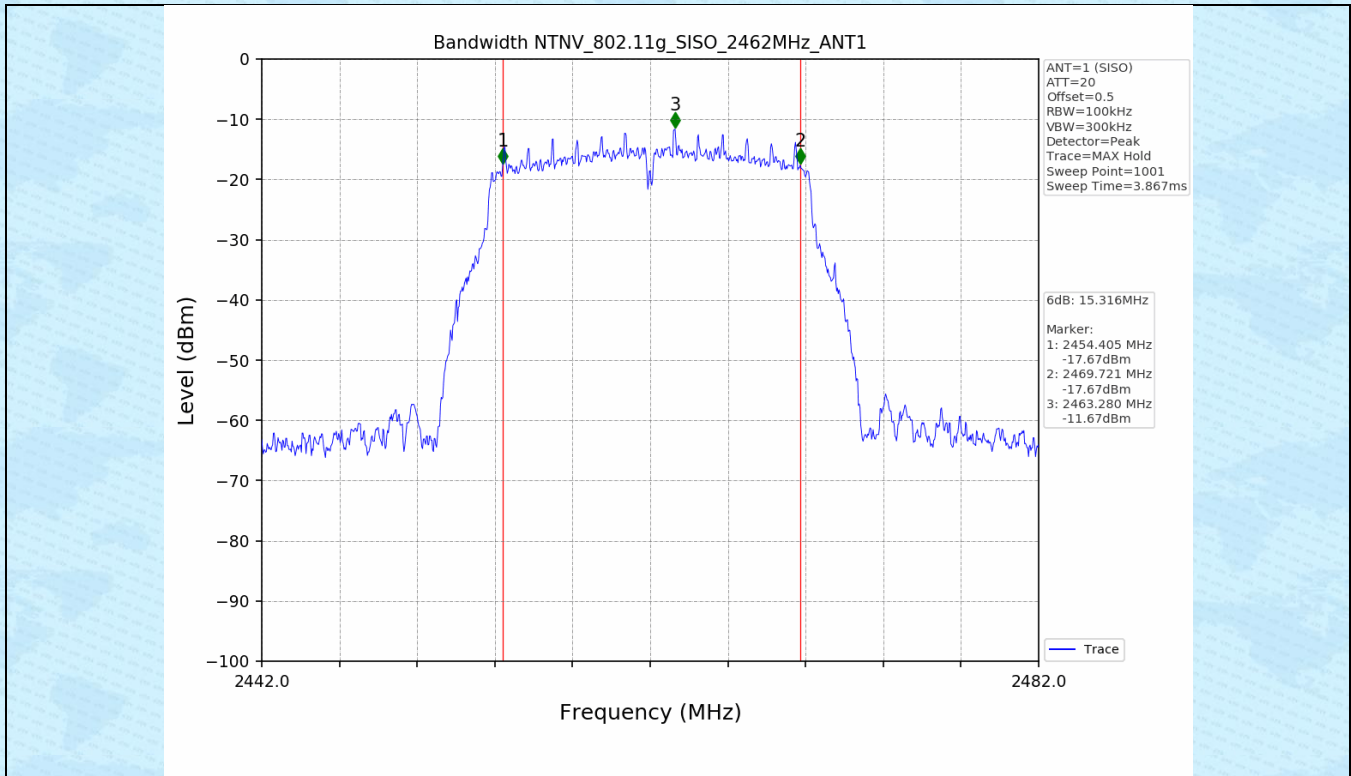
	2462	SISO	1	16.682	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.725	Only for Report Use
	2437	SISO	1	17.670	Only for Report Use
	2462	SISO	1	17.728	Only for Report Use
802.11n(HT40)	2422	SISO	1	36.268	Only for Report Use
	2437	SISO	1	36.236	Only for Report Use
	2452	SISO	1	36.444	Only for Report Use

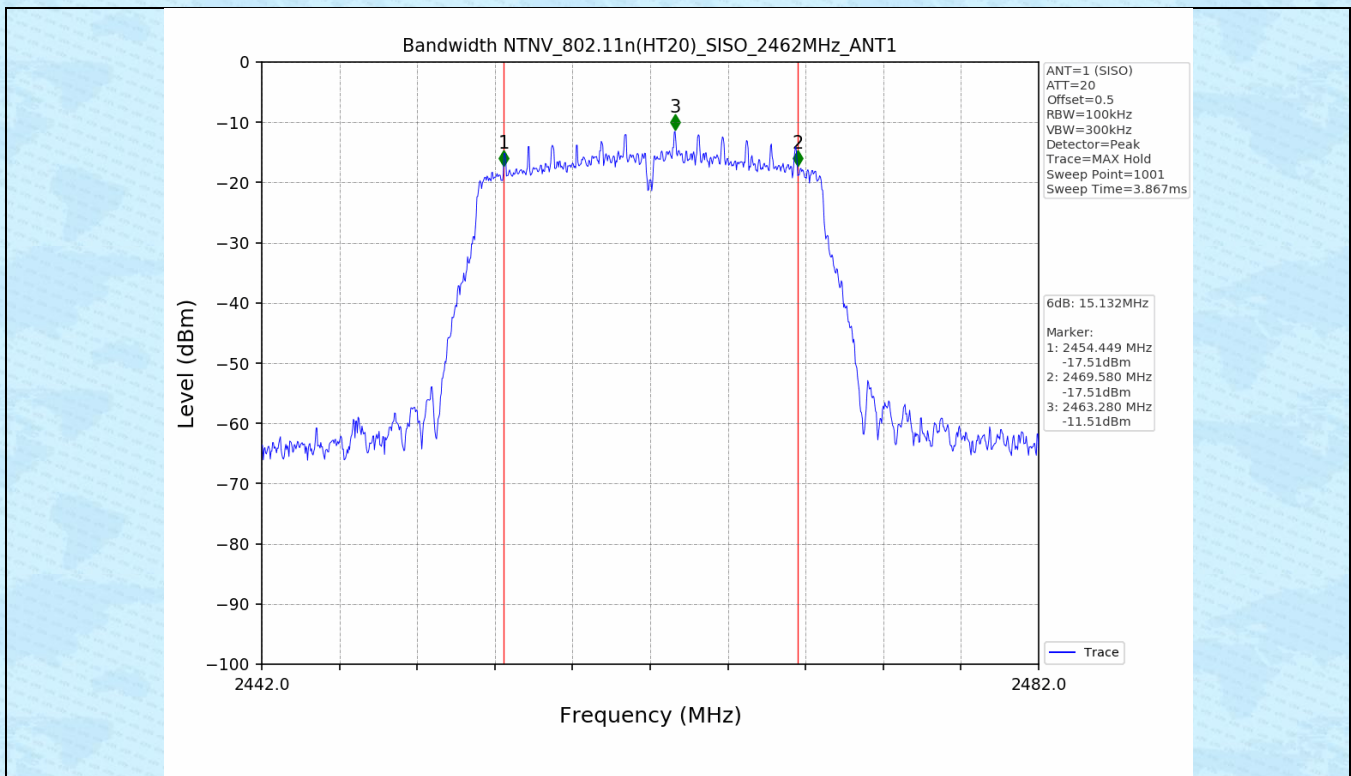
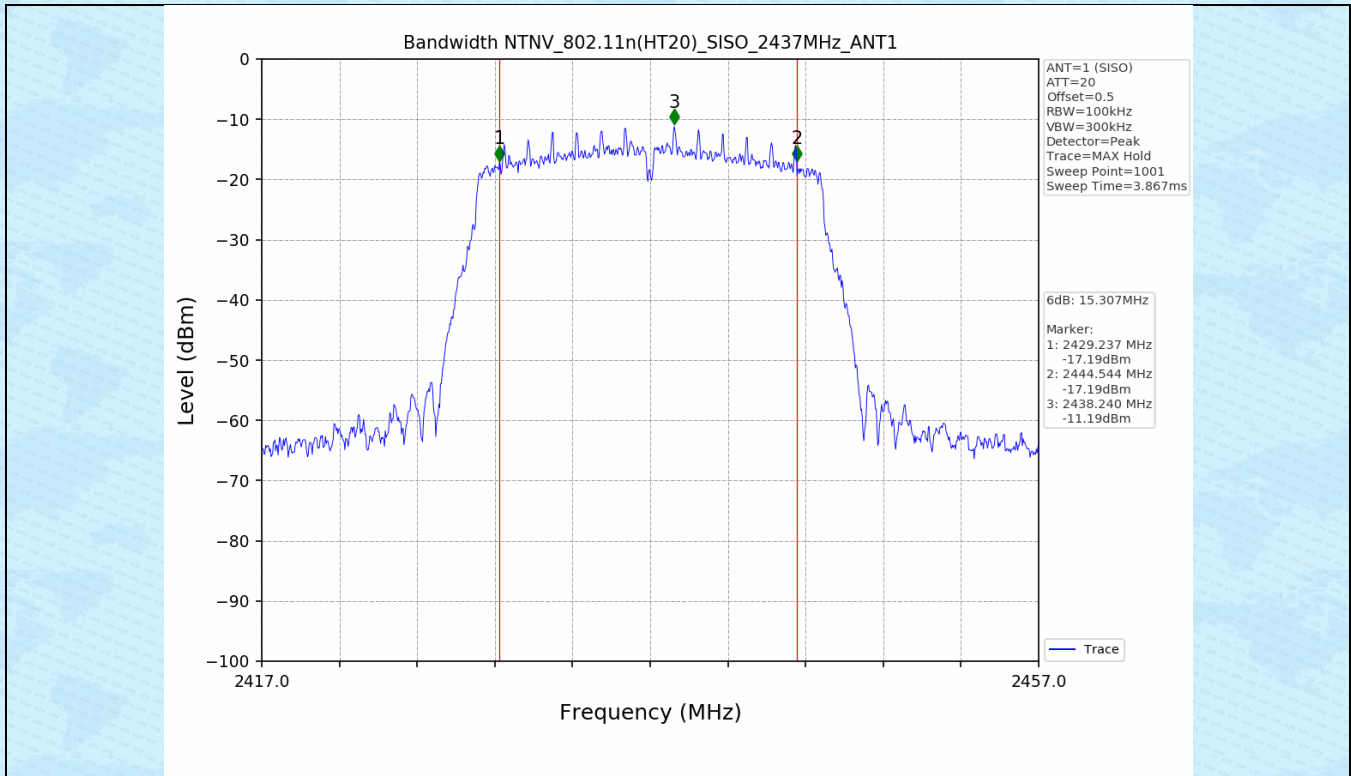
2.2 Test Graph - 6dB Bandwidth

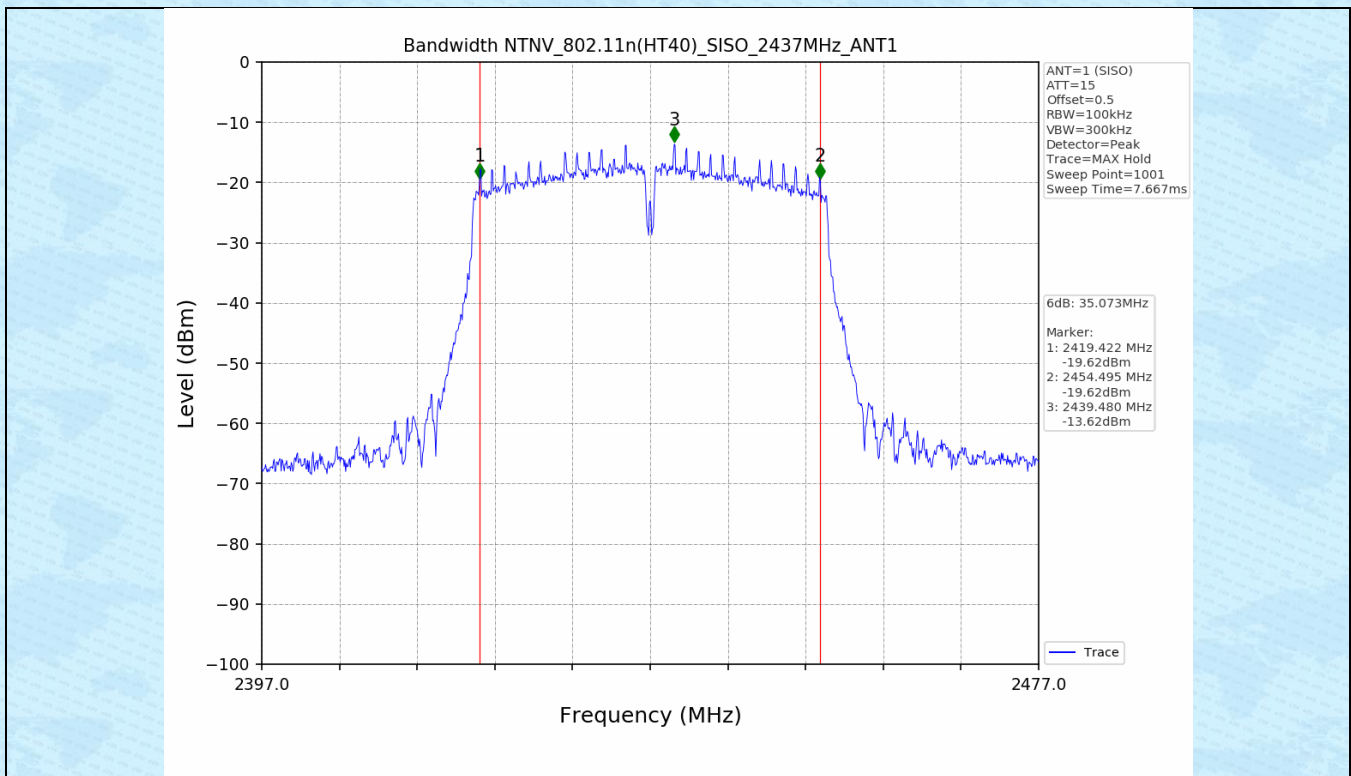
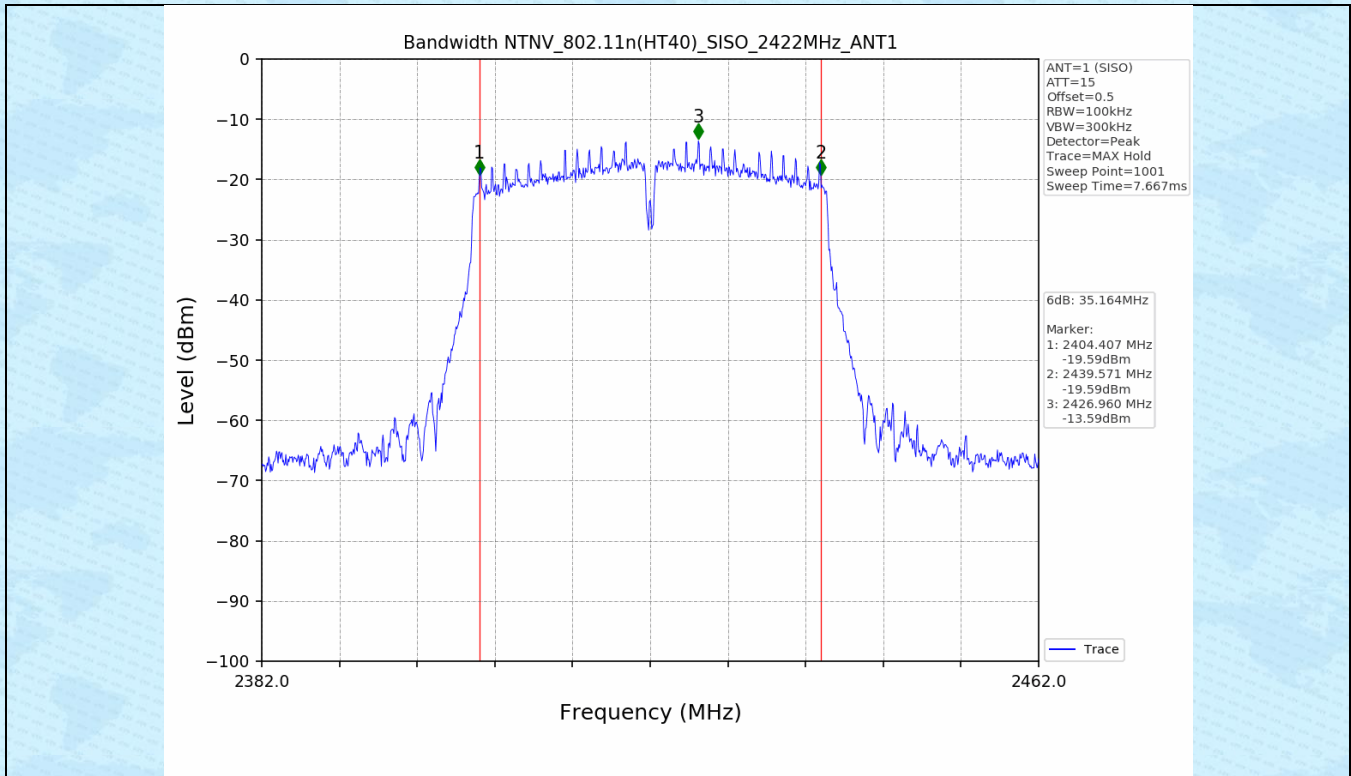


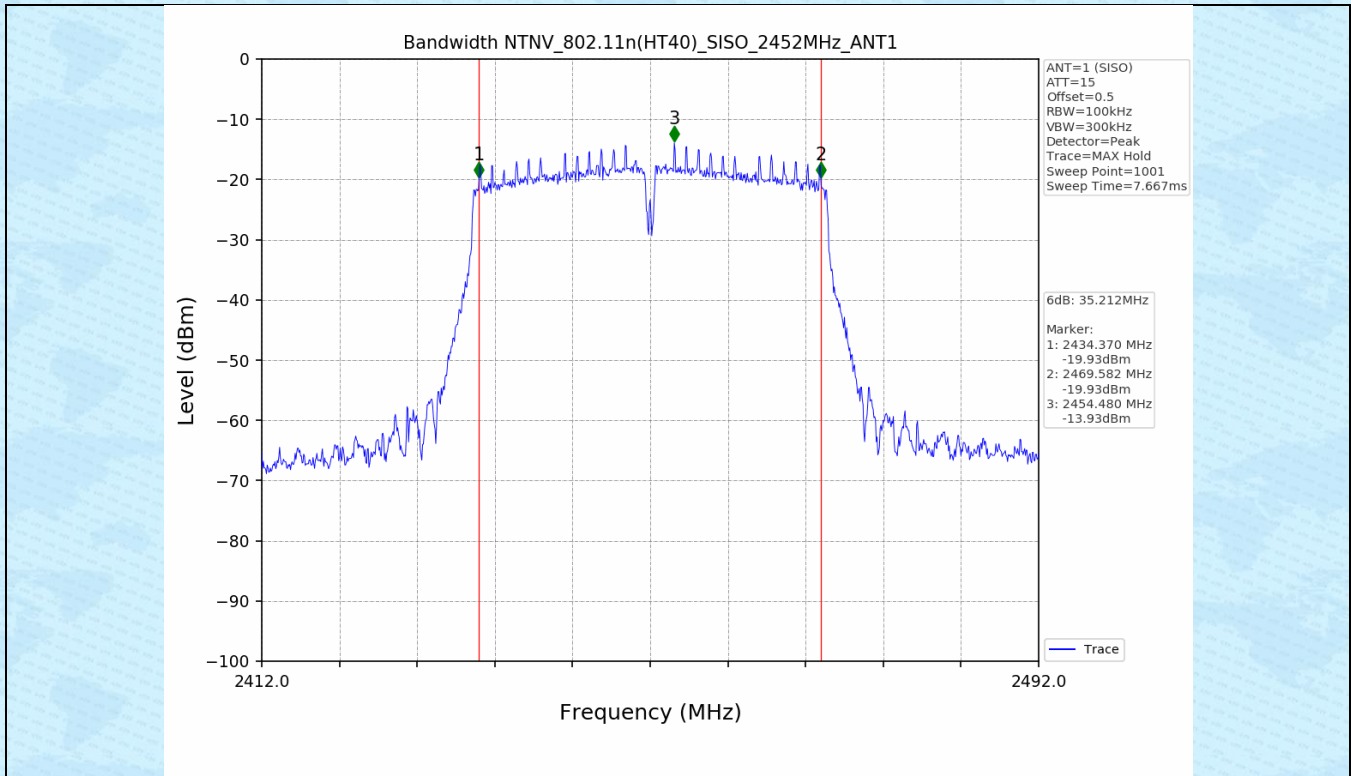




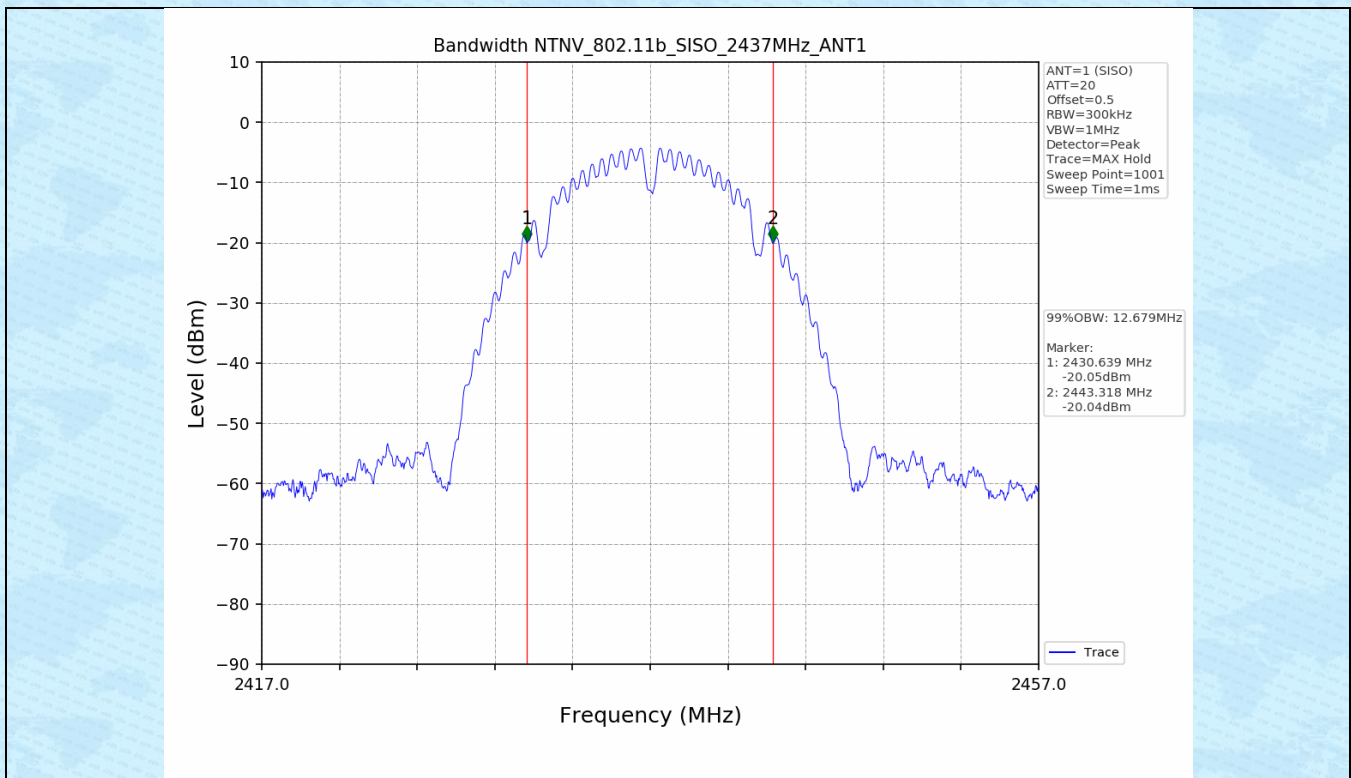
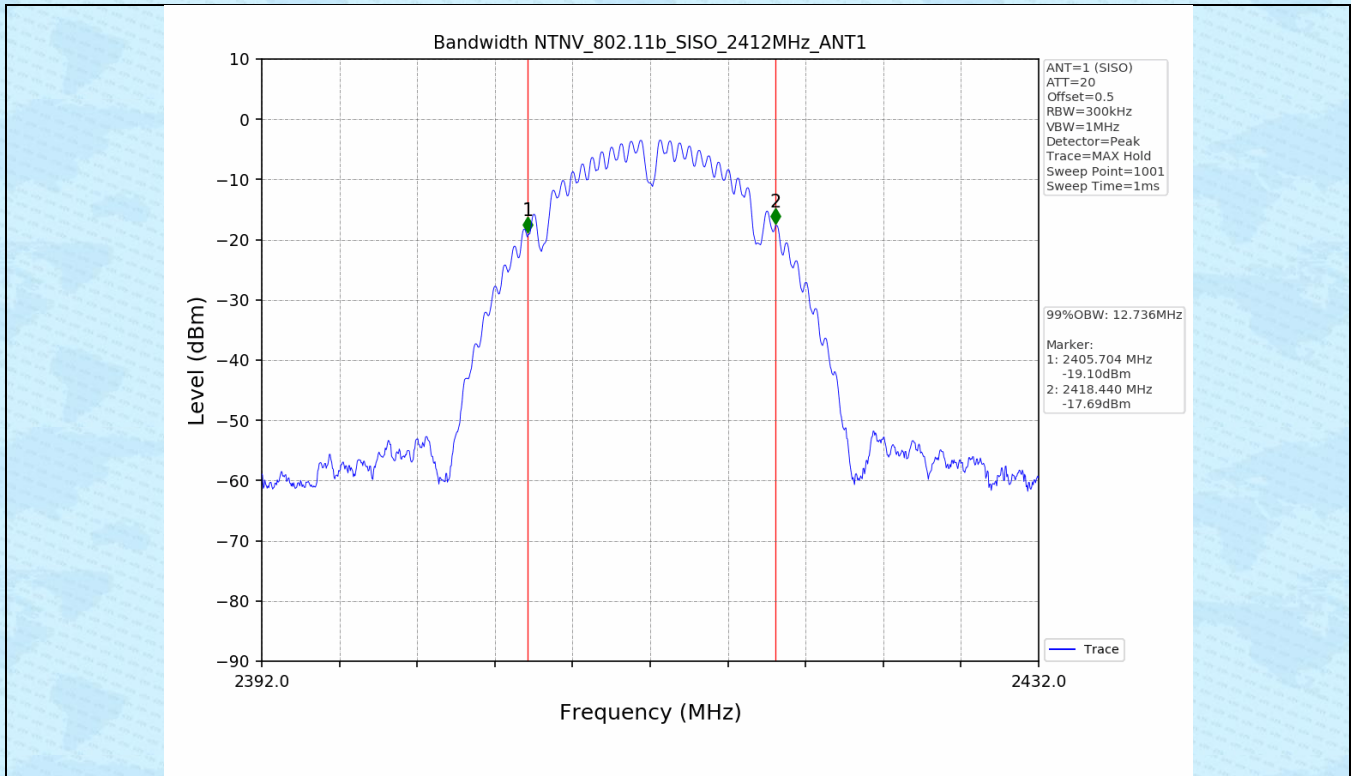


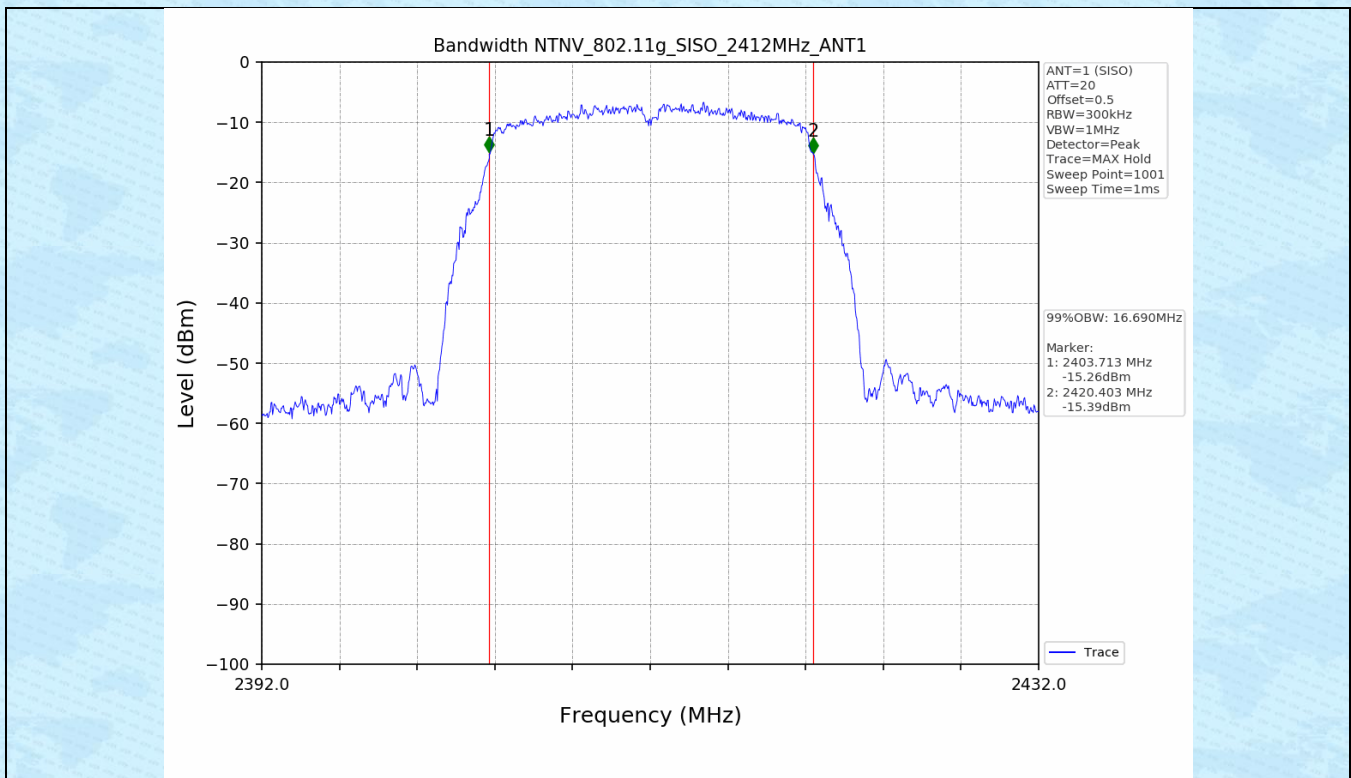
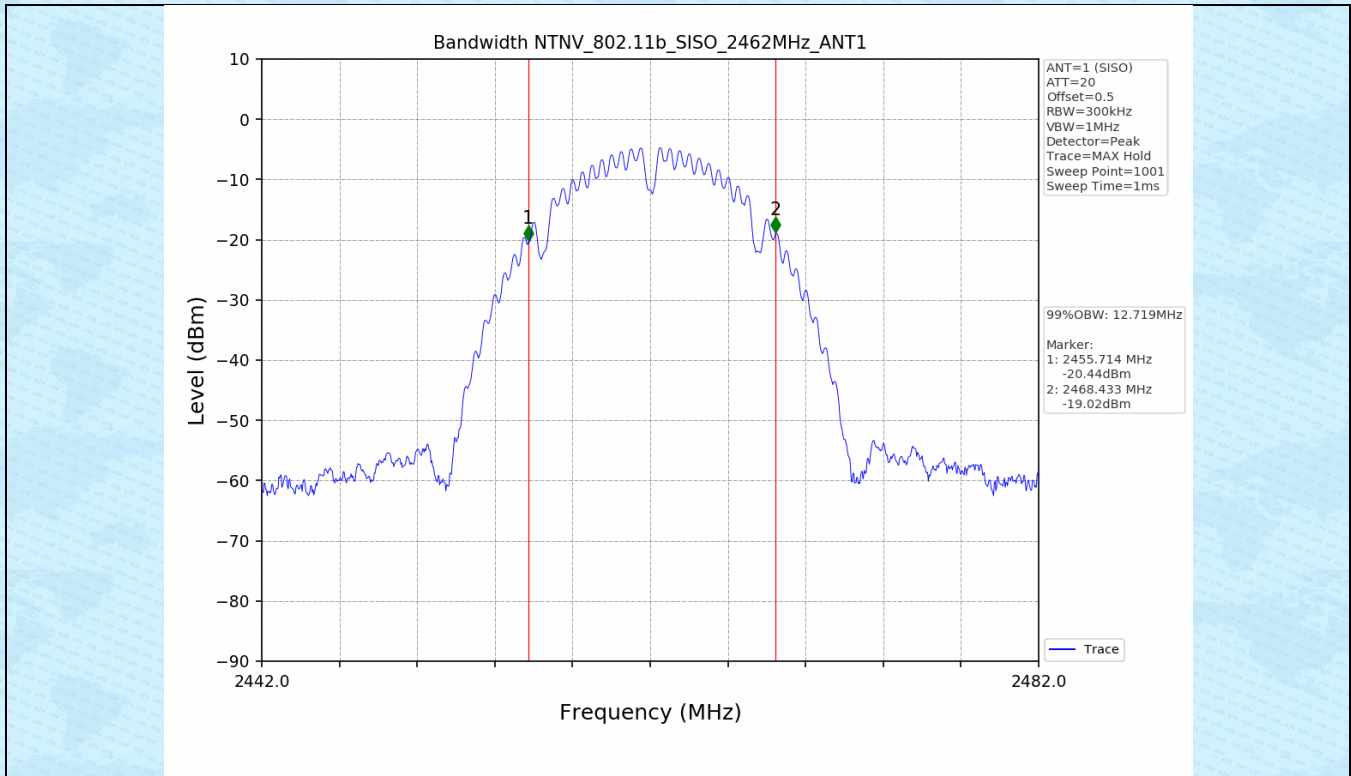


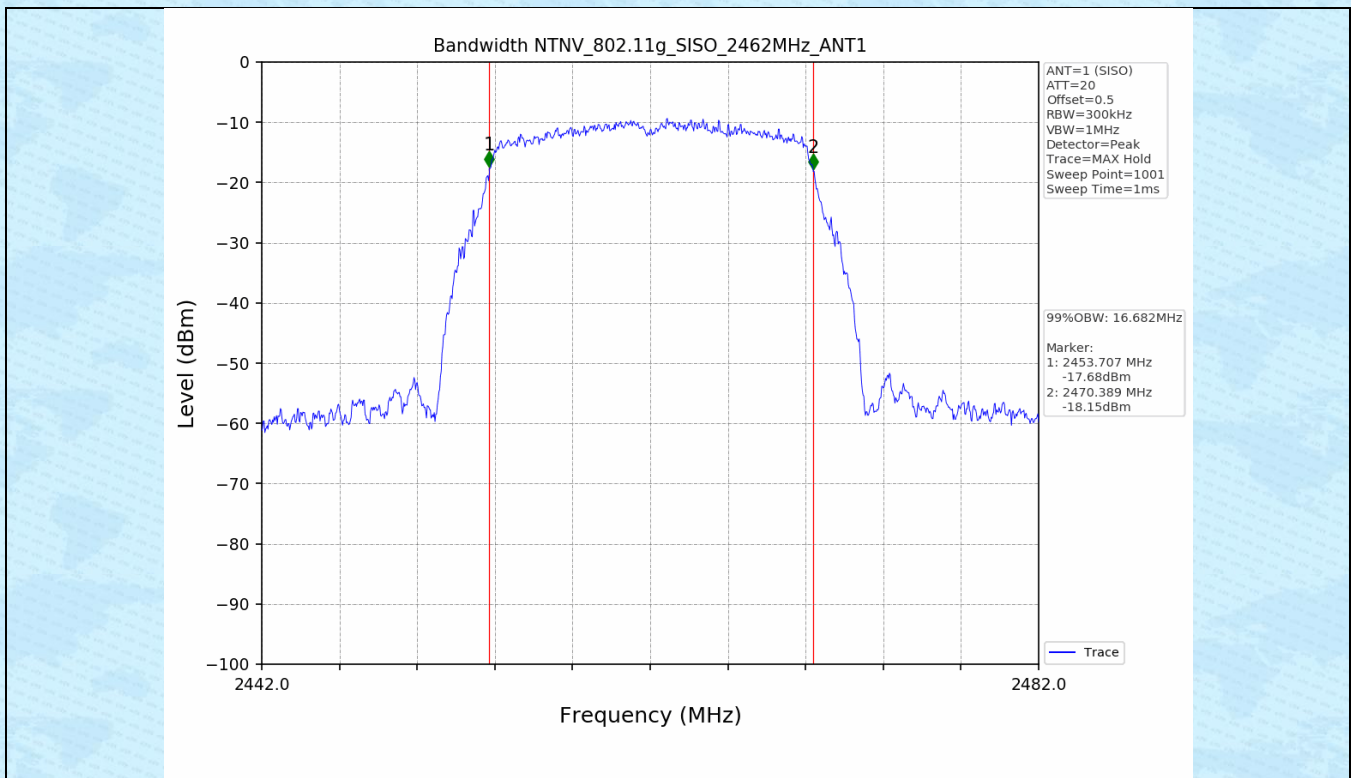
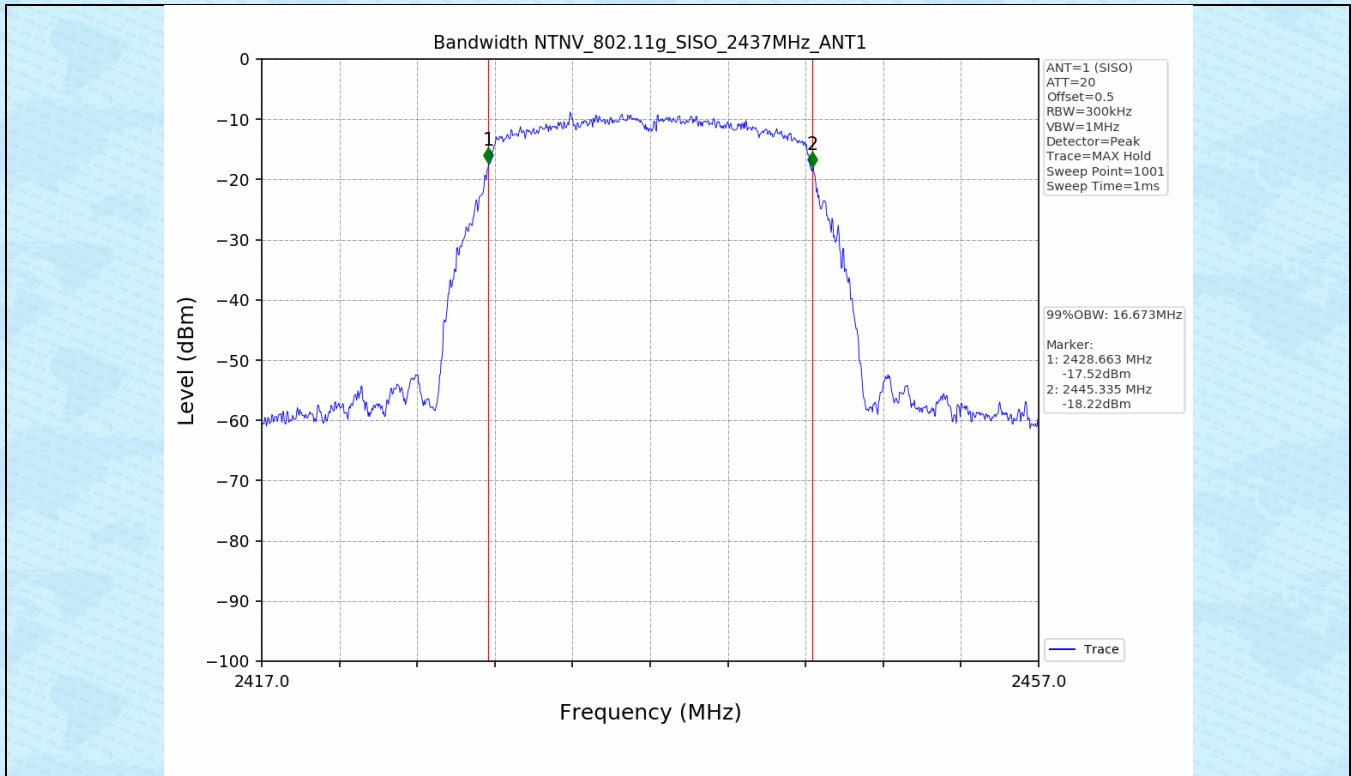


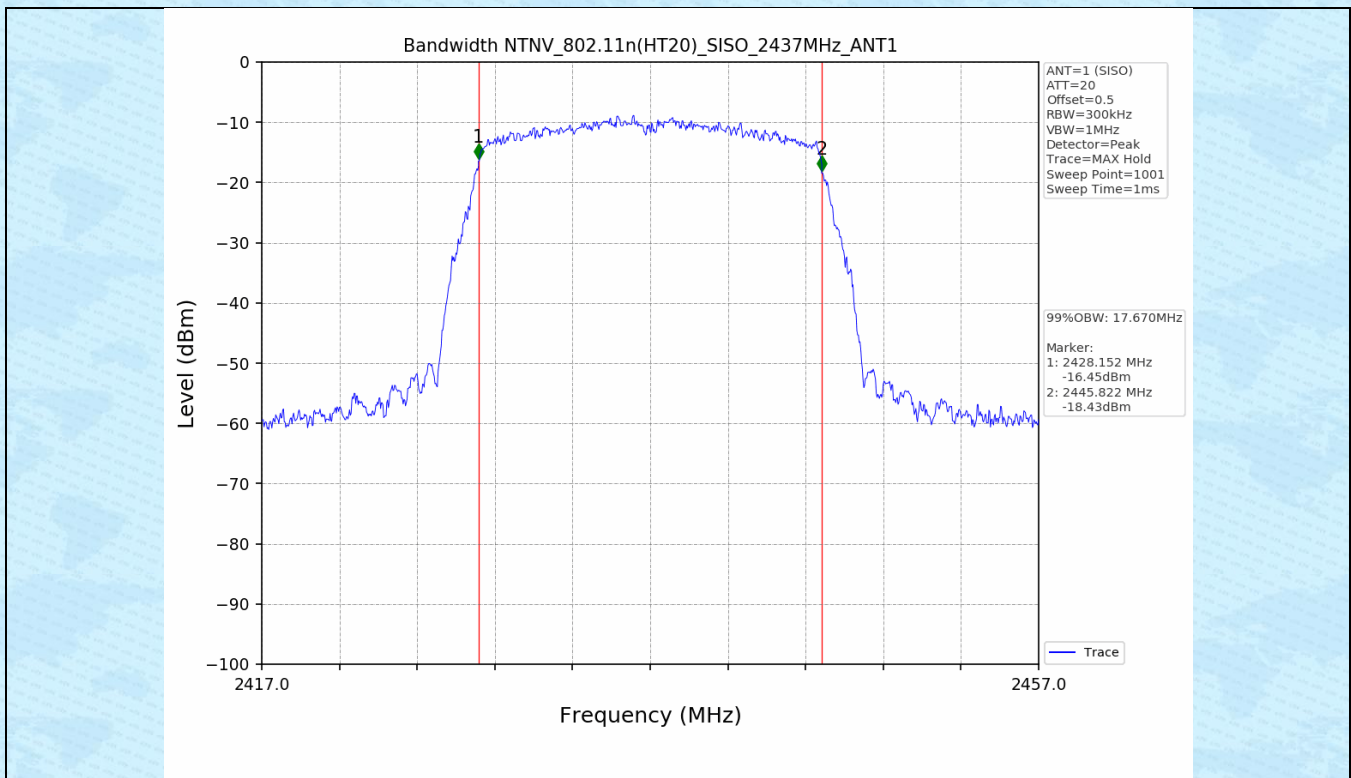
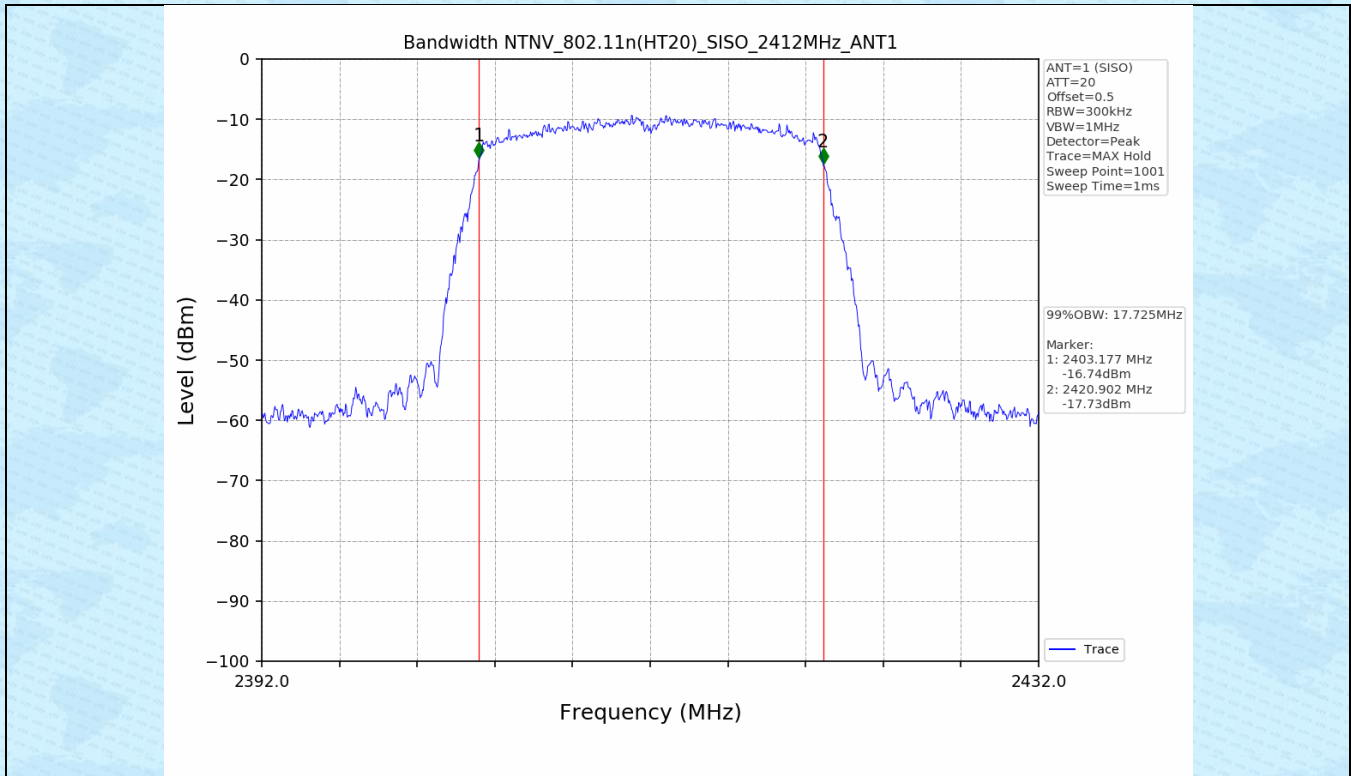


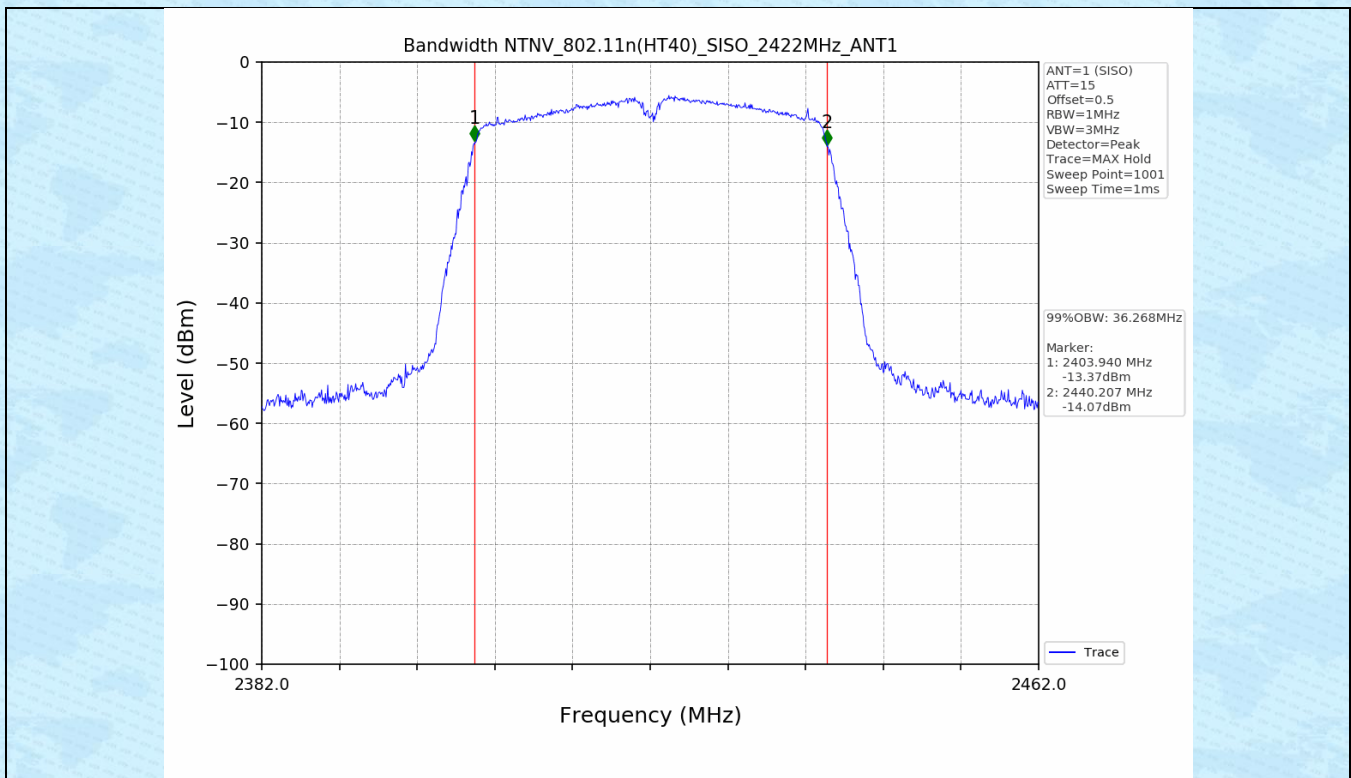
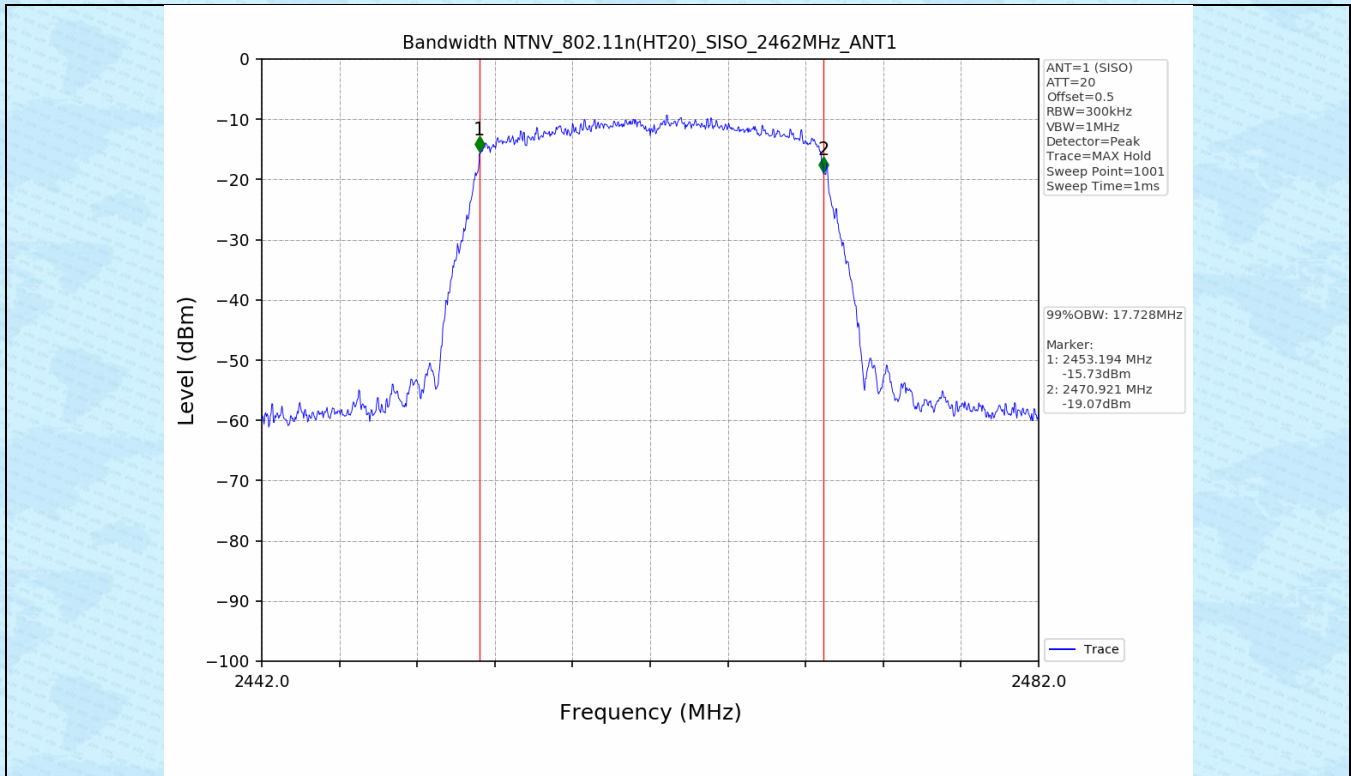
2.3 Test Graph - 99% Occupied Bandwidth

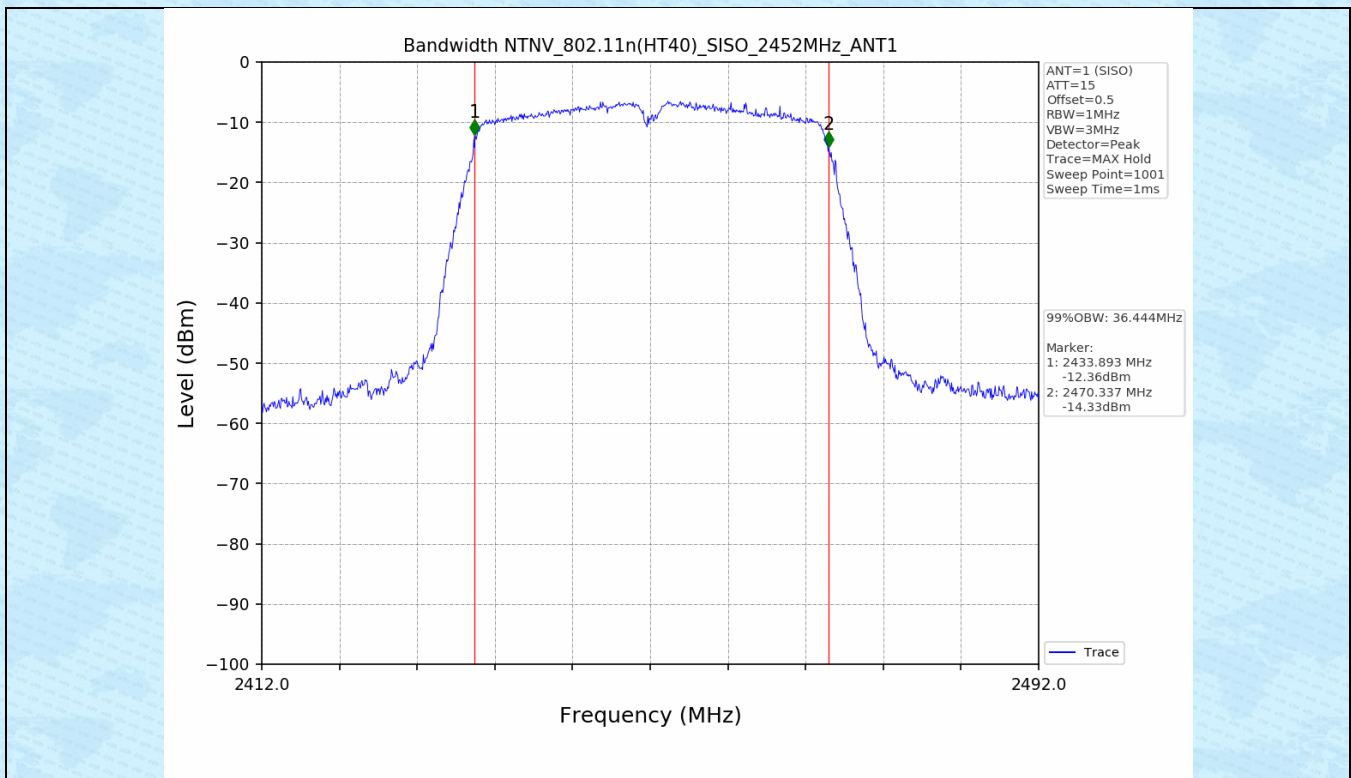
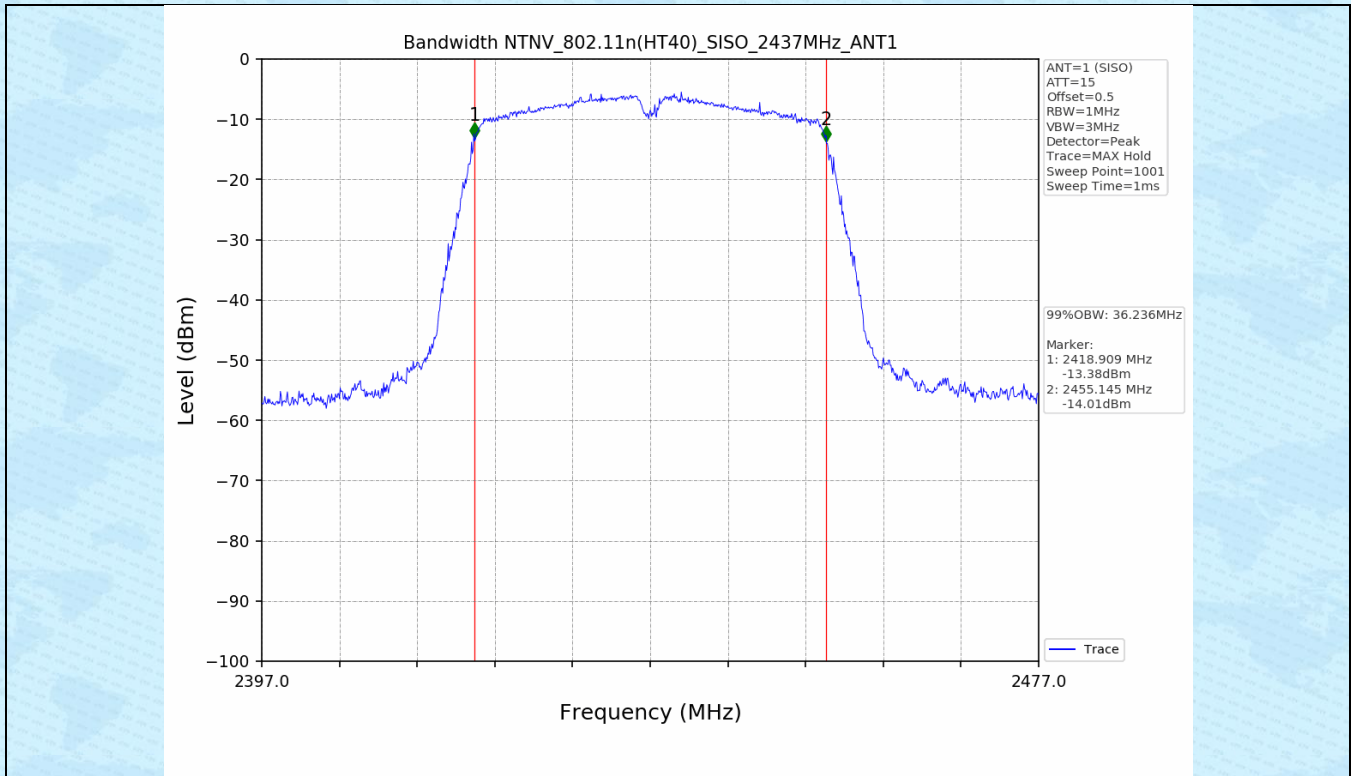












3. Maximum Conducted Output Power

3.1 Test Result

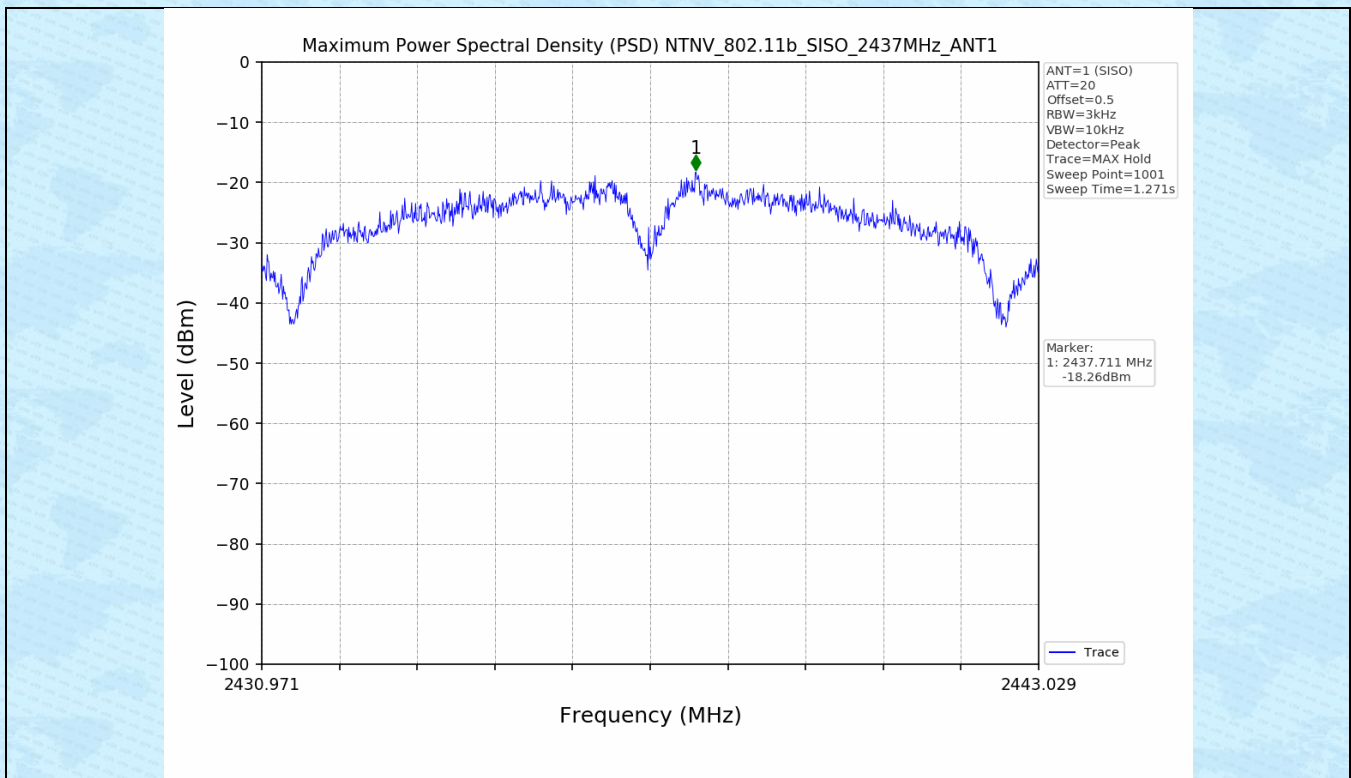
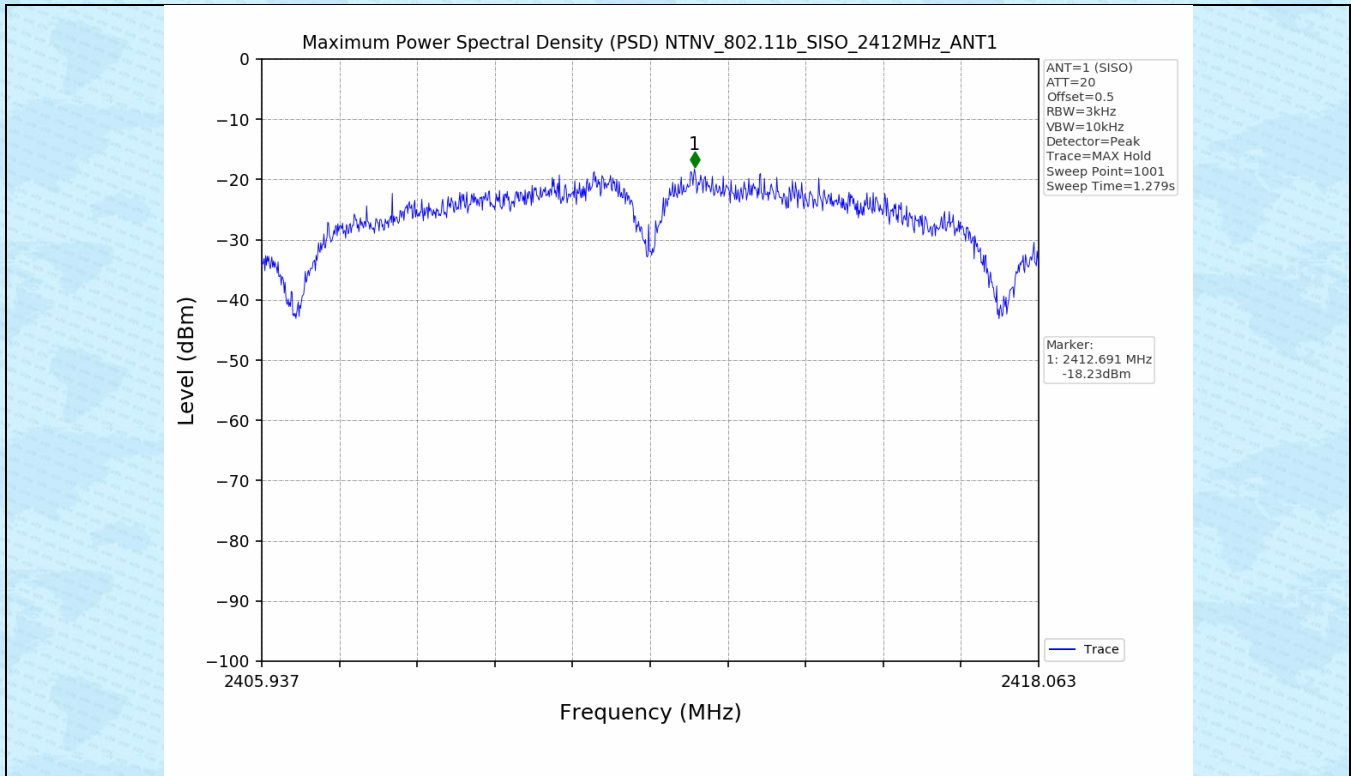
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	6.67	30	PASS
	2437	SISO	5.81	30	PASS
	2462	SISO	5.37	30	PASS
802.11g	2412	SISO	8.91	30	PASS
	2437	SISO	6.80	30	PASS
	2462	SISO	6.25	30	PASS
802.11n(HT20)	2412	SISO	6.48	30	PASS
	2437	SISO	6.52	30	PASS
	2462	SISO	6.14	30	PASS
802.11n(HT40)	2422	SISO	7.07	30	PASS
	2437	SISO	7.07	30	PASS
	2452	SISO	6.81	30	PASS

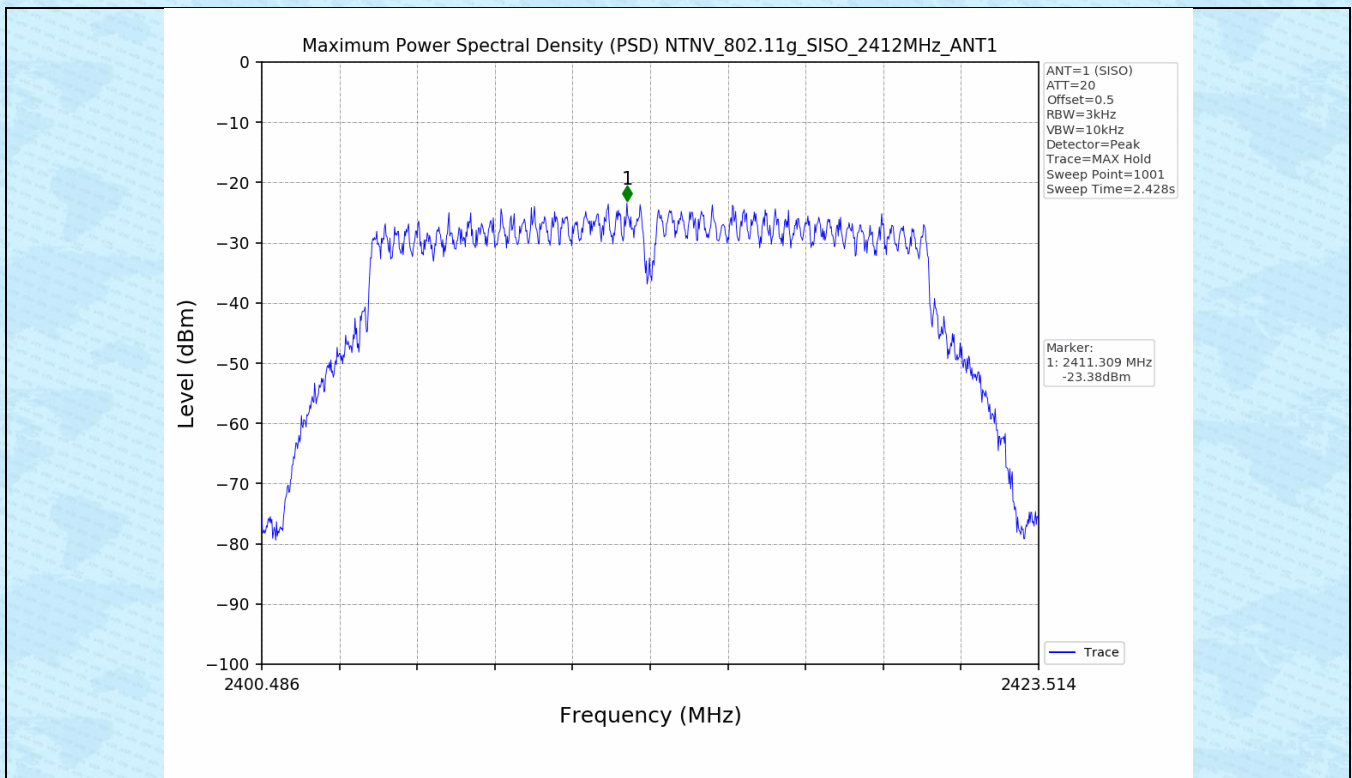
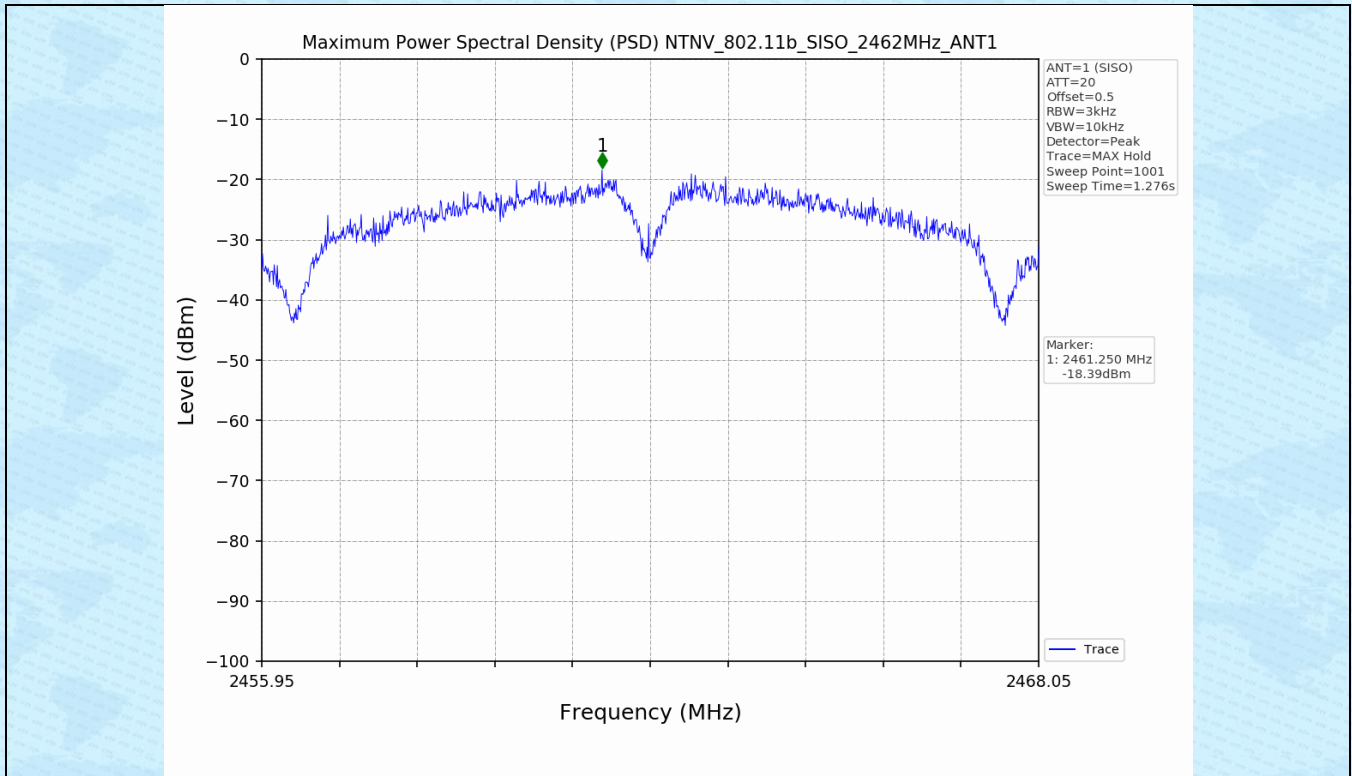
4. Maximum Power Spectral Density (PSD)

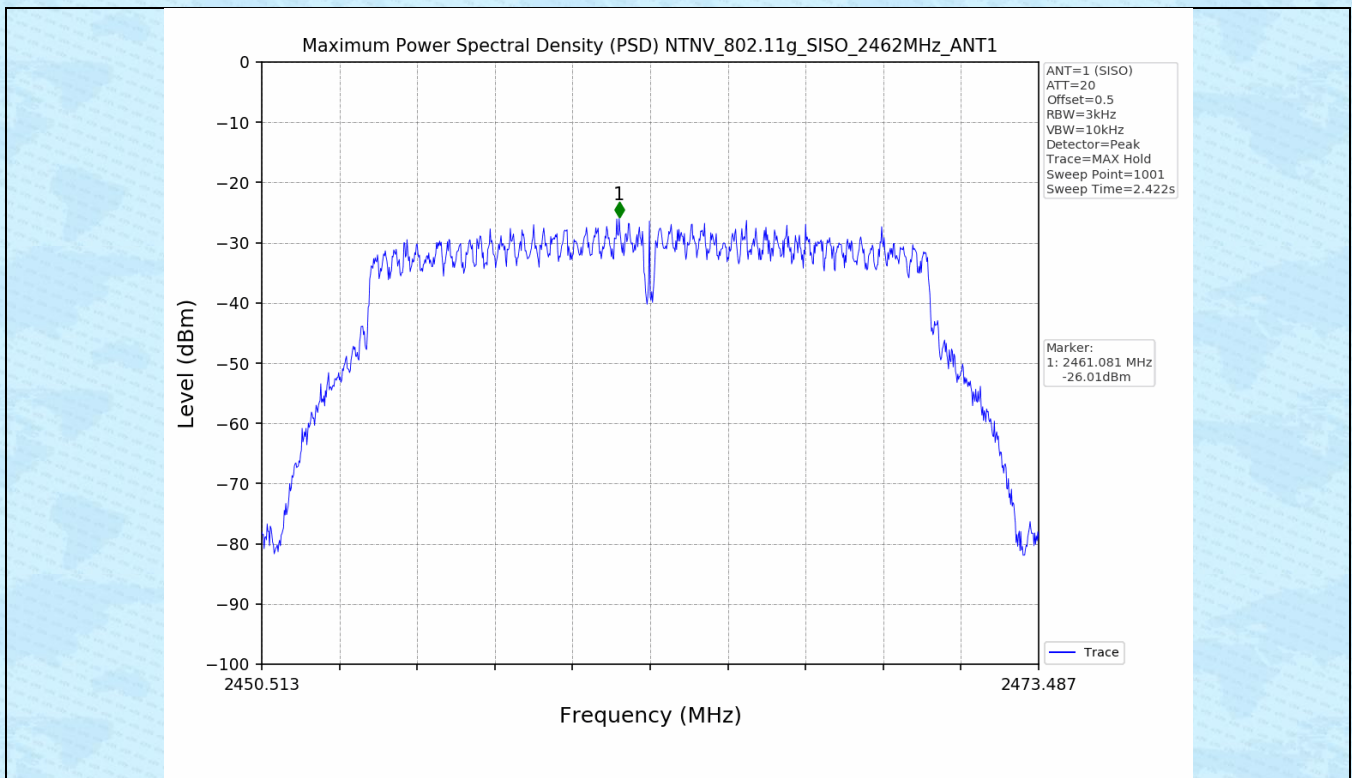
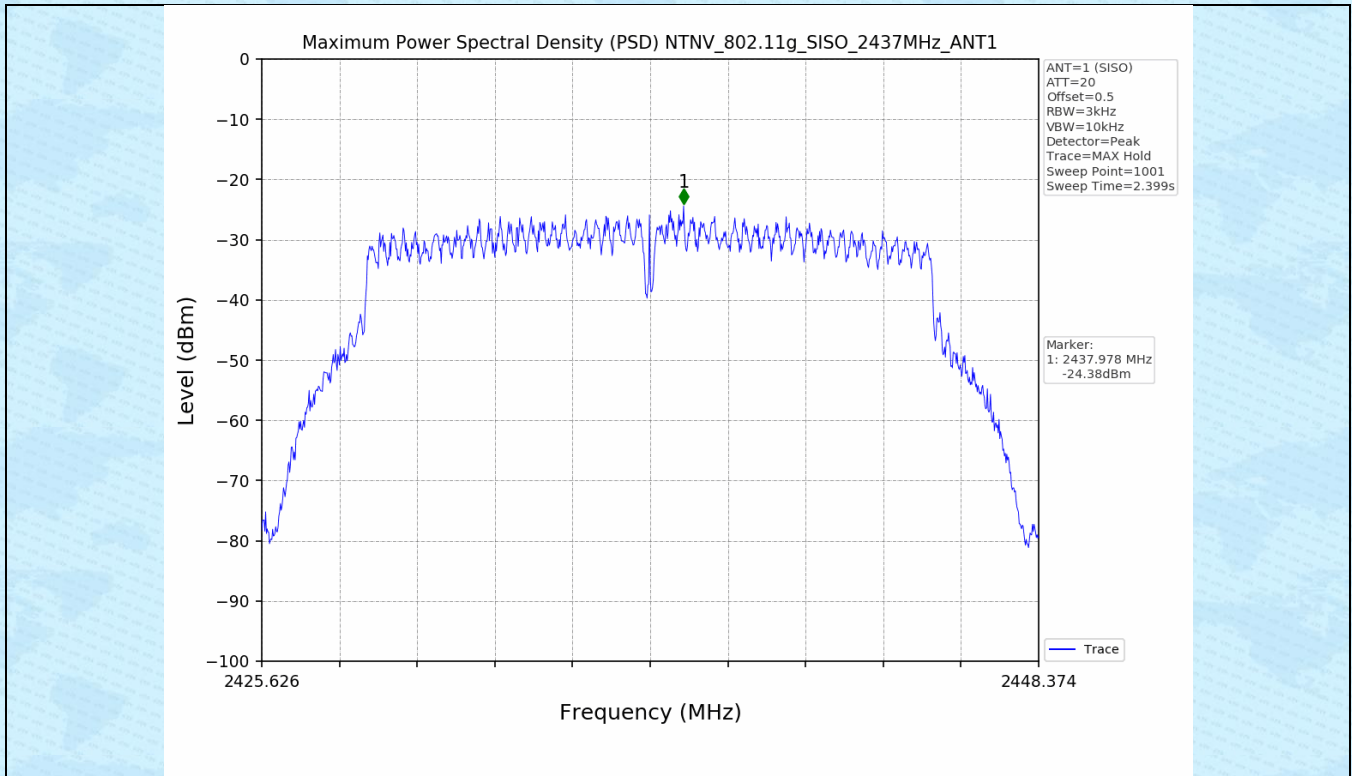
4.1 Test Result

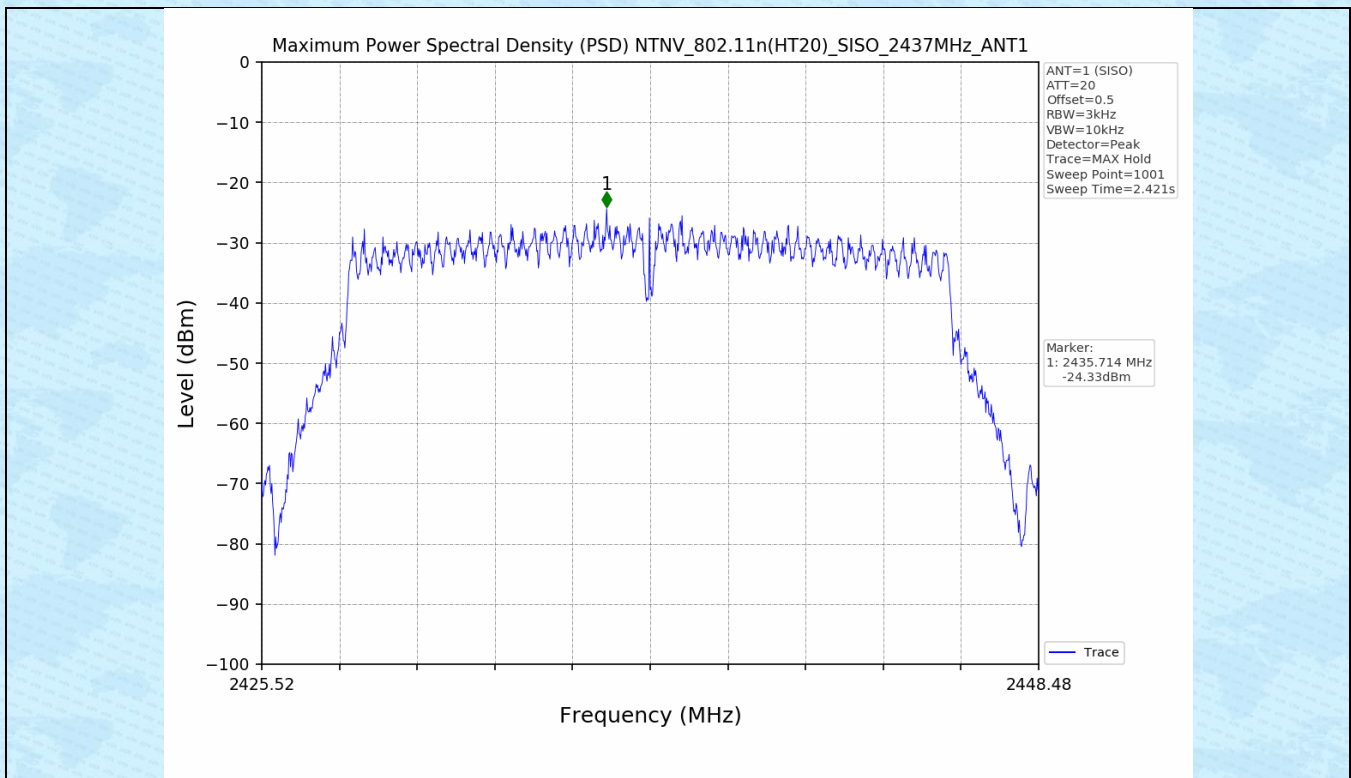
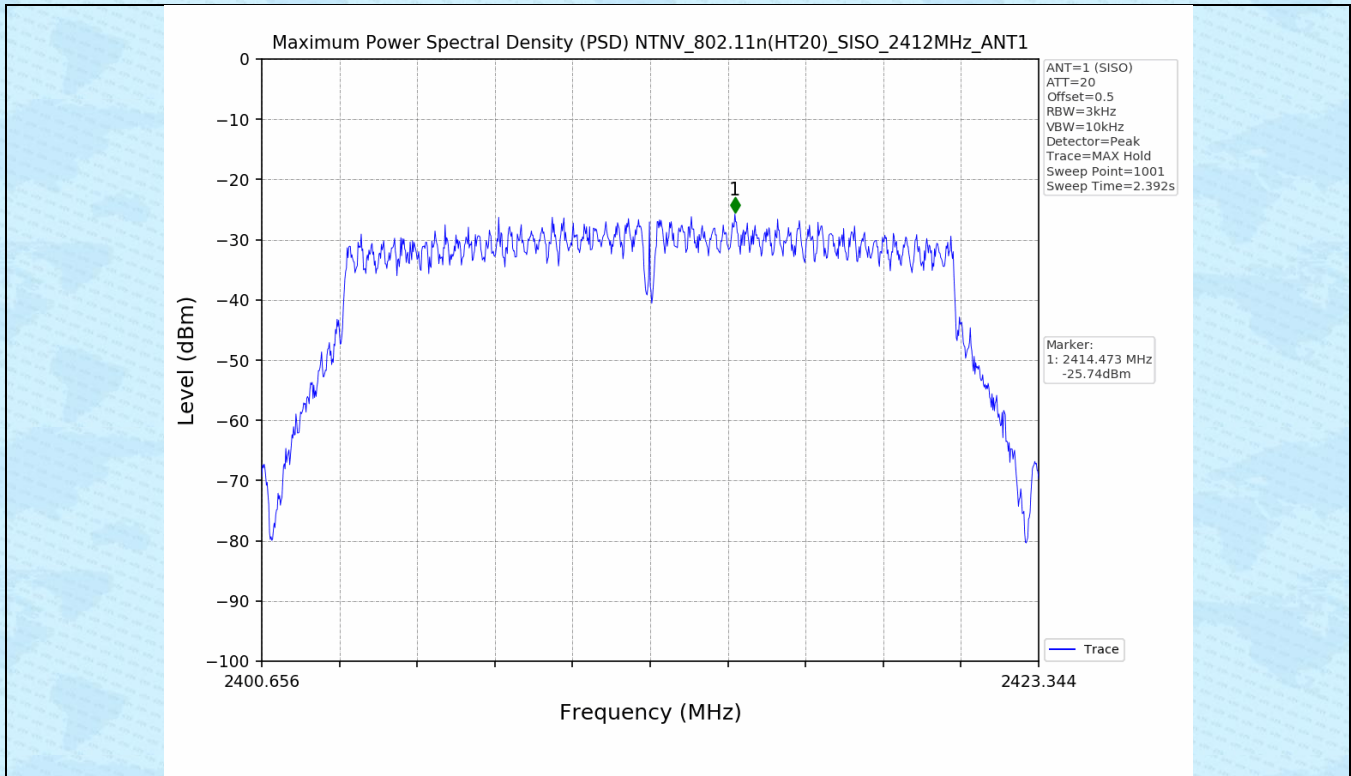
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
802.11b	2412	SISO	-18.23	≤8	PASS
	2437	SISO	-18.26	≤8	PASS
	2462	SISO	-18.39	≤8	PASS
802.11g	2412	SISO	-23.38	≤8	PASS
	2437	SISO	-24.38	≤8	PASS
	2462	SISO	-26.01	≤8	PASS
802.11n(HT20)	2412	SISO	-25.74	≤8	PASS
	2437	SISO	-24.33	≤8	PASS
	2462	SISO	-25.65	≤8	PASS
802.11n(HT40)	2422	SISO	-26.84	≤8	PASS
	2437	SISO	-27.17	≤8	PASS
	2452	SISO	-27.22	≤8	PASS

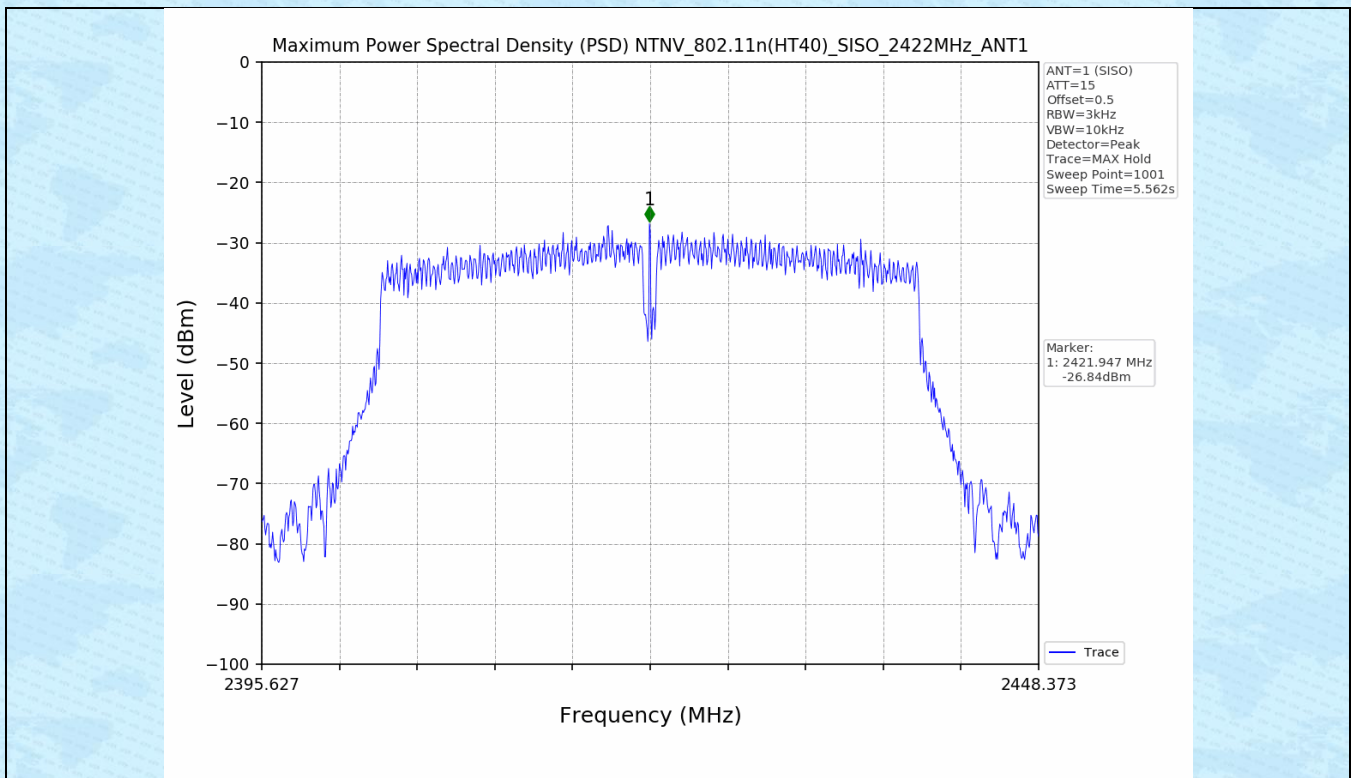
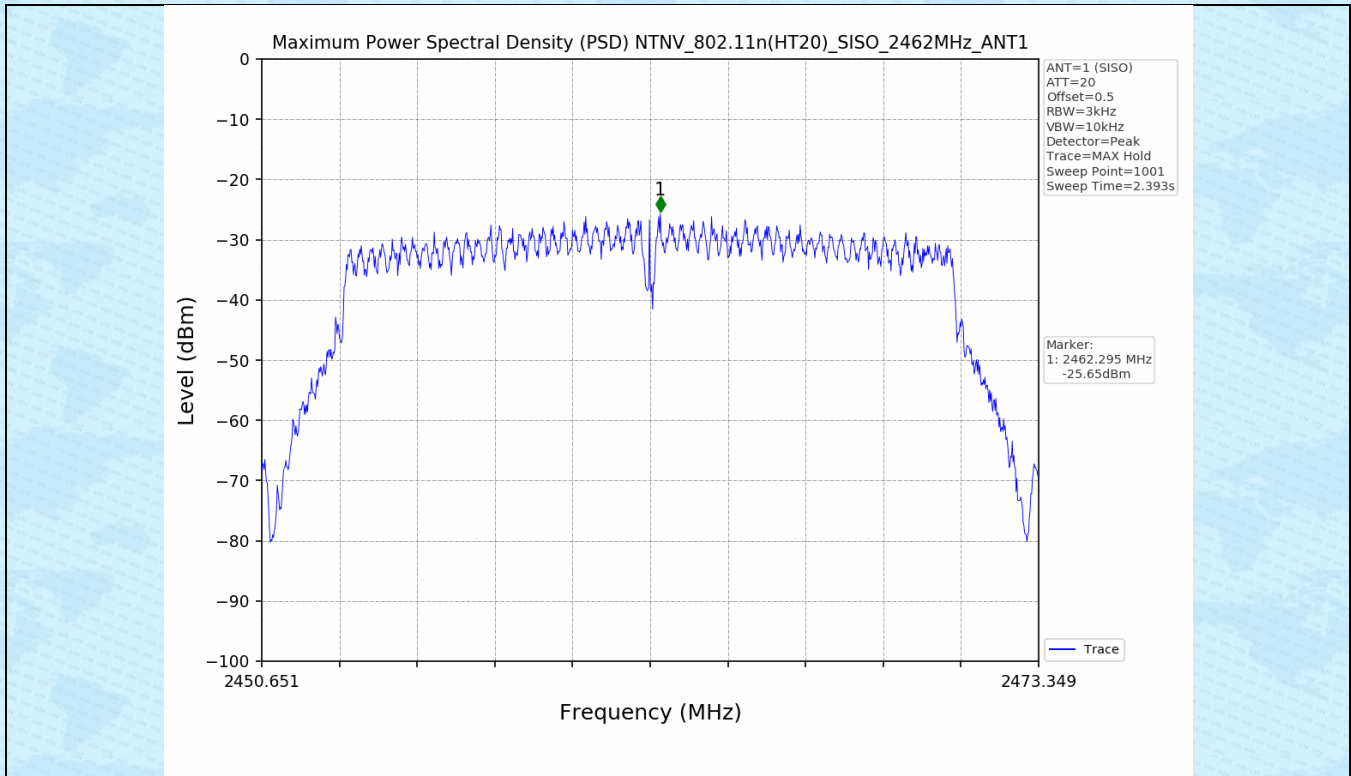
4.2 Test Graph

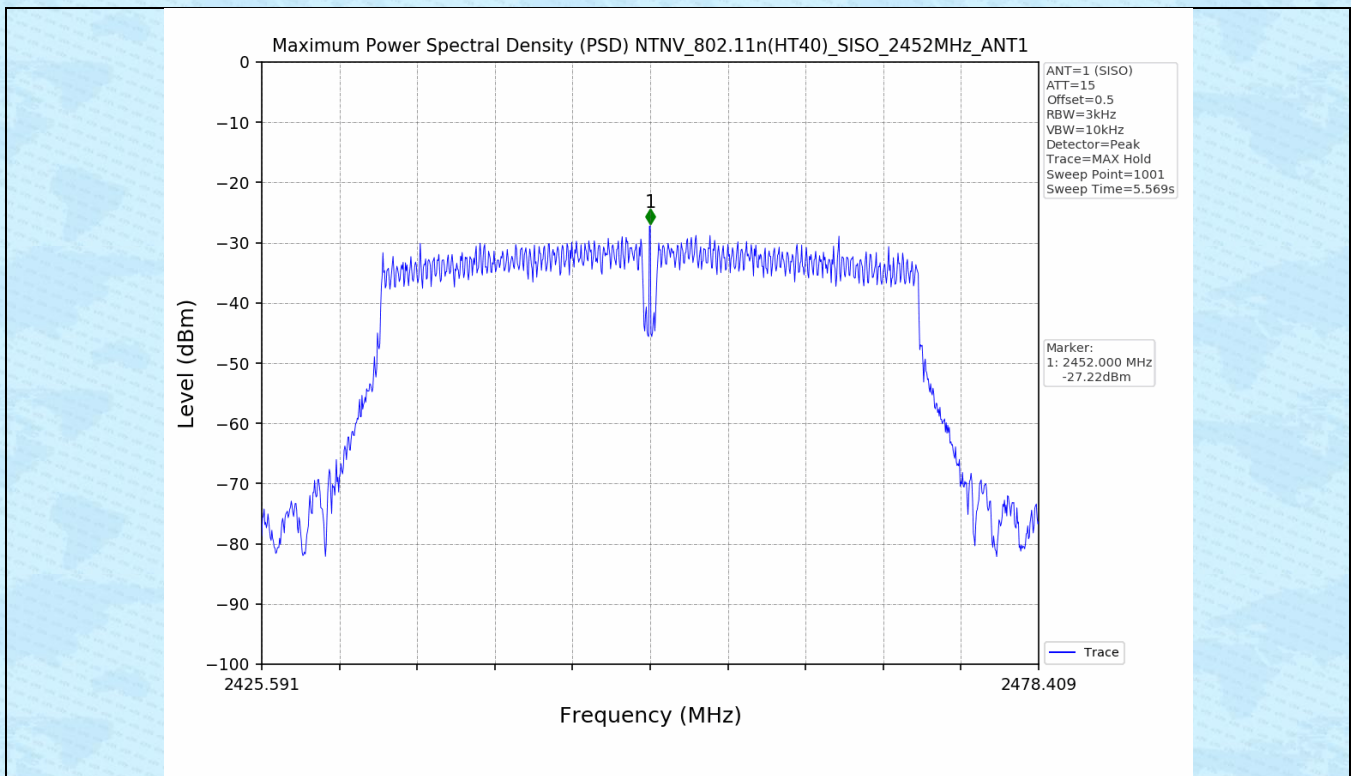
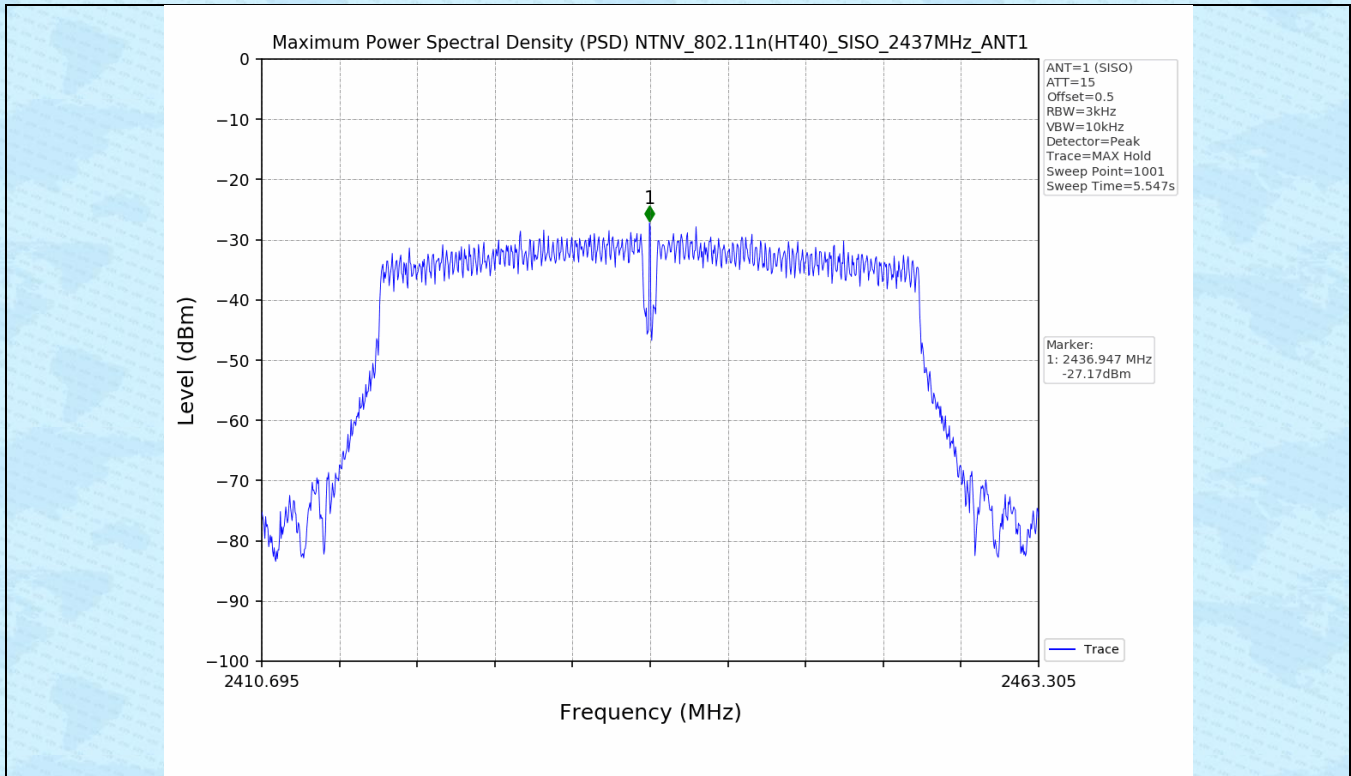










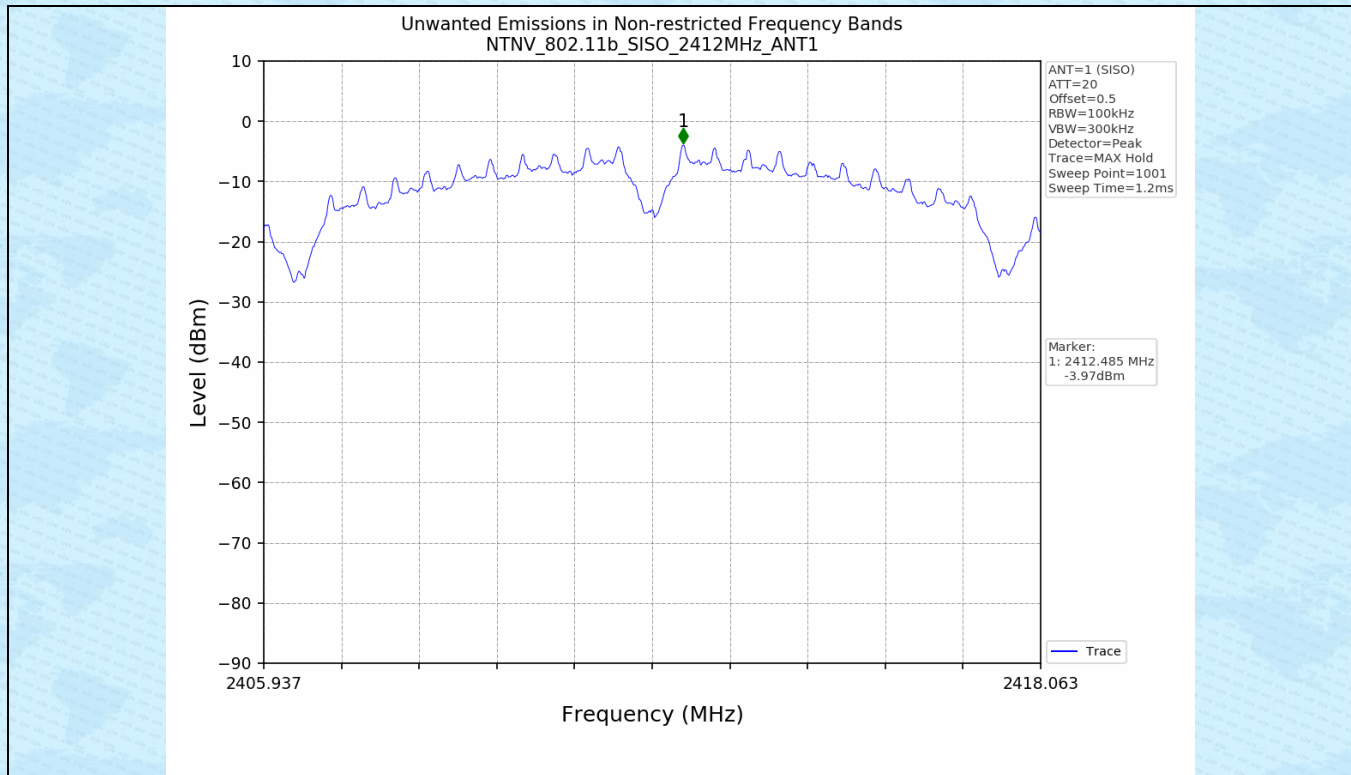


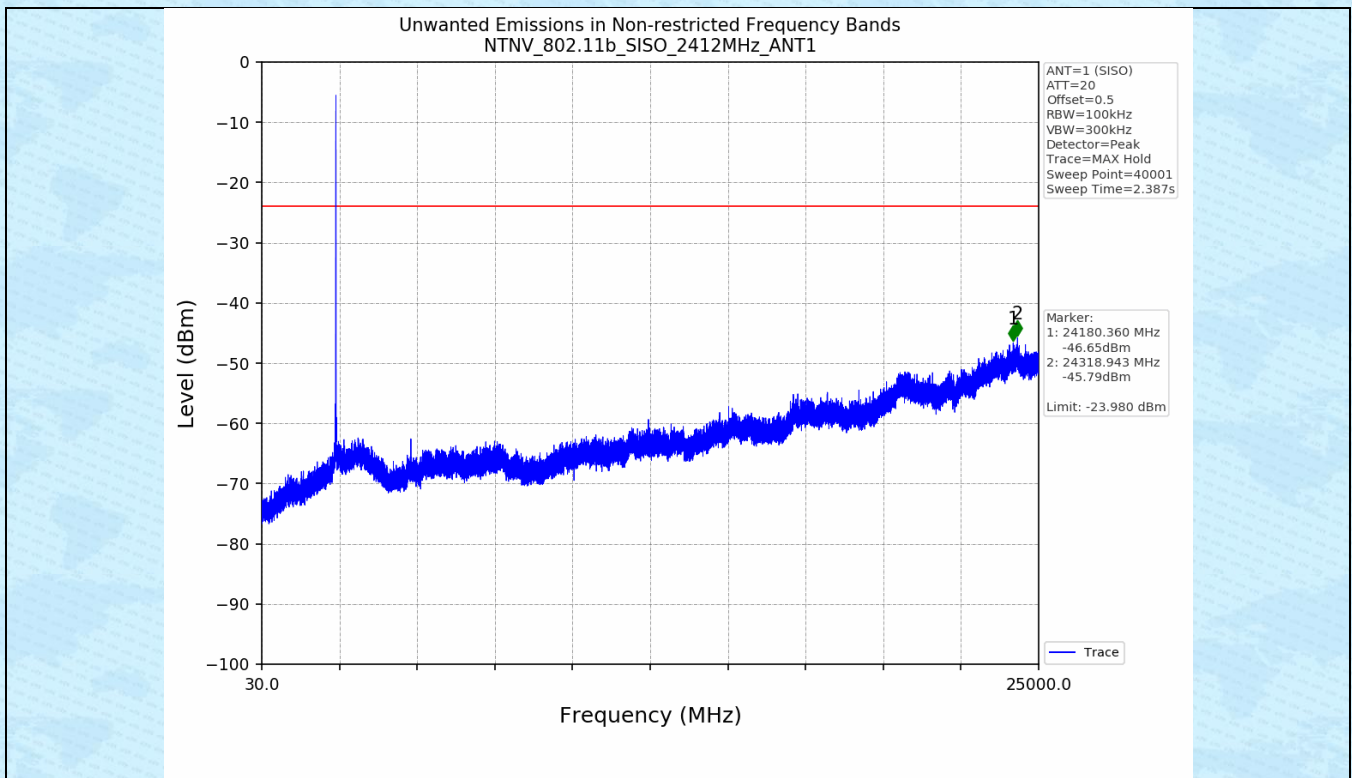
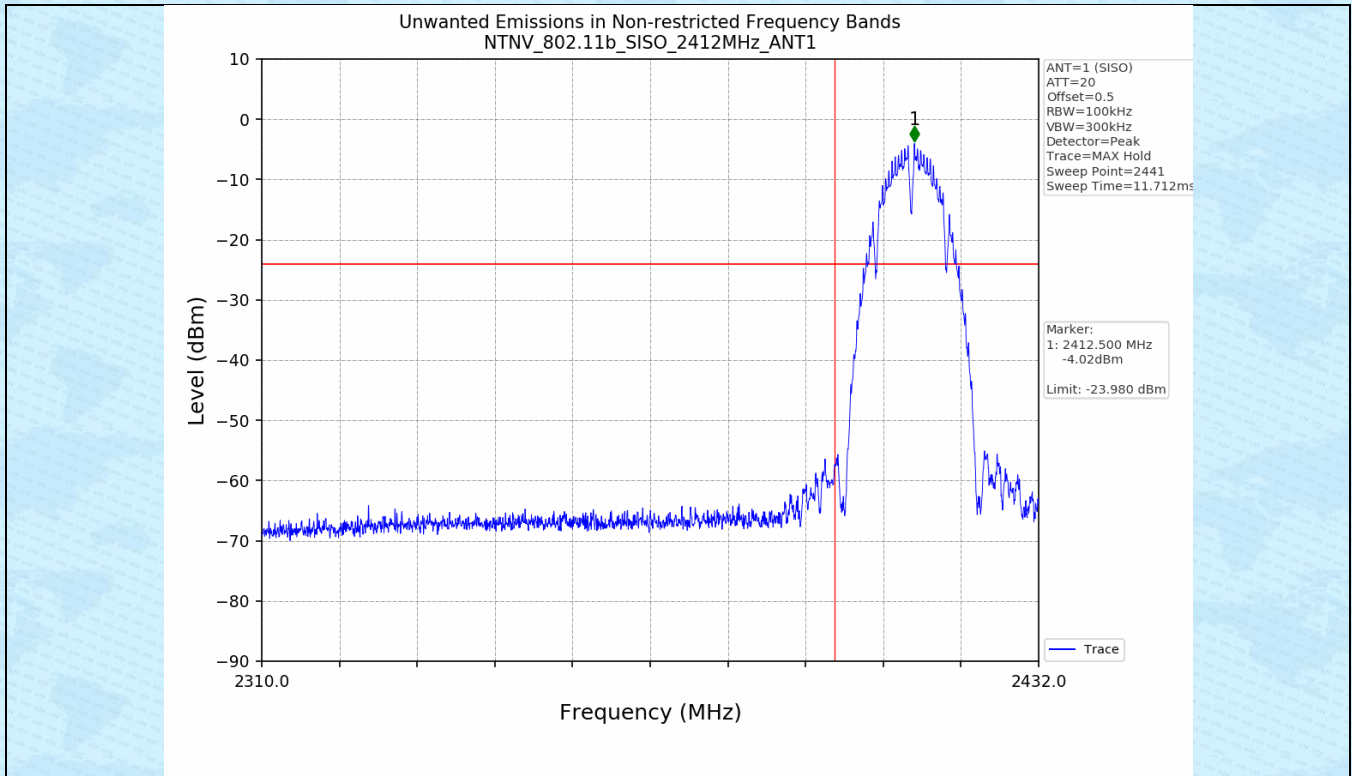
5. Unwanted Emissions in Non-restricted Frequency Bands

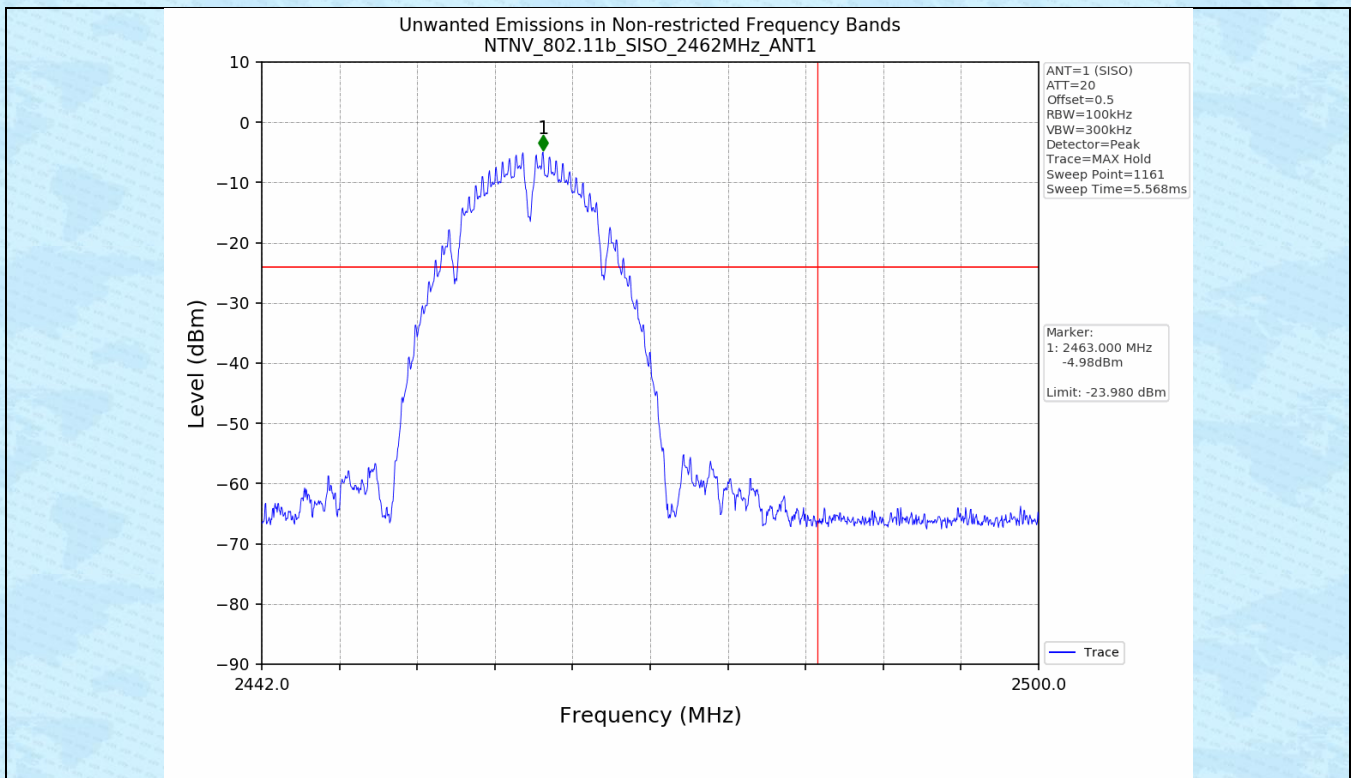
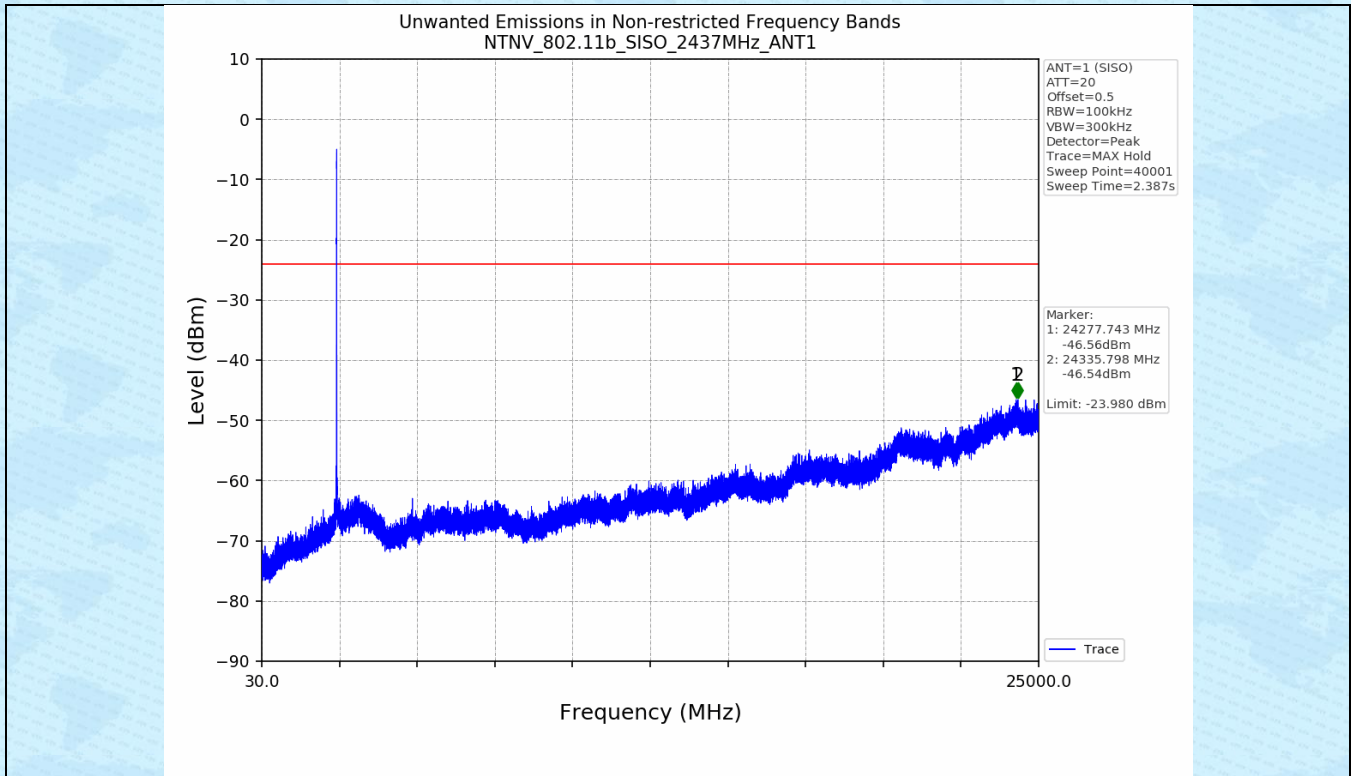
5.1 Test Result

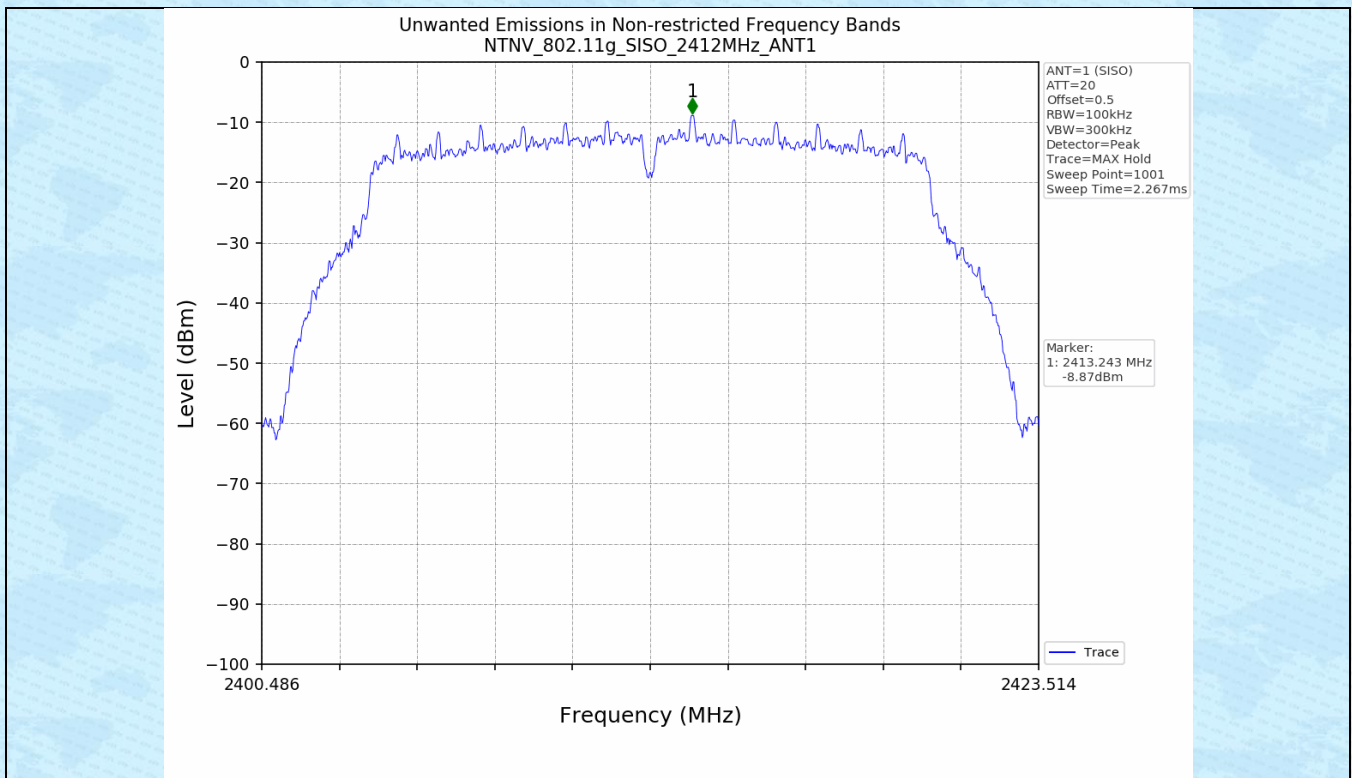
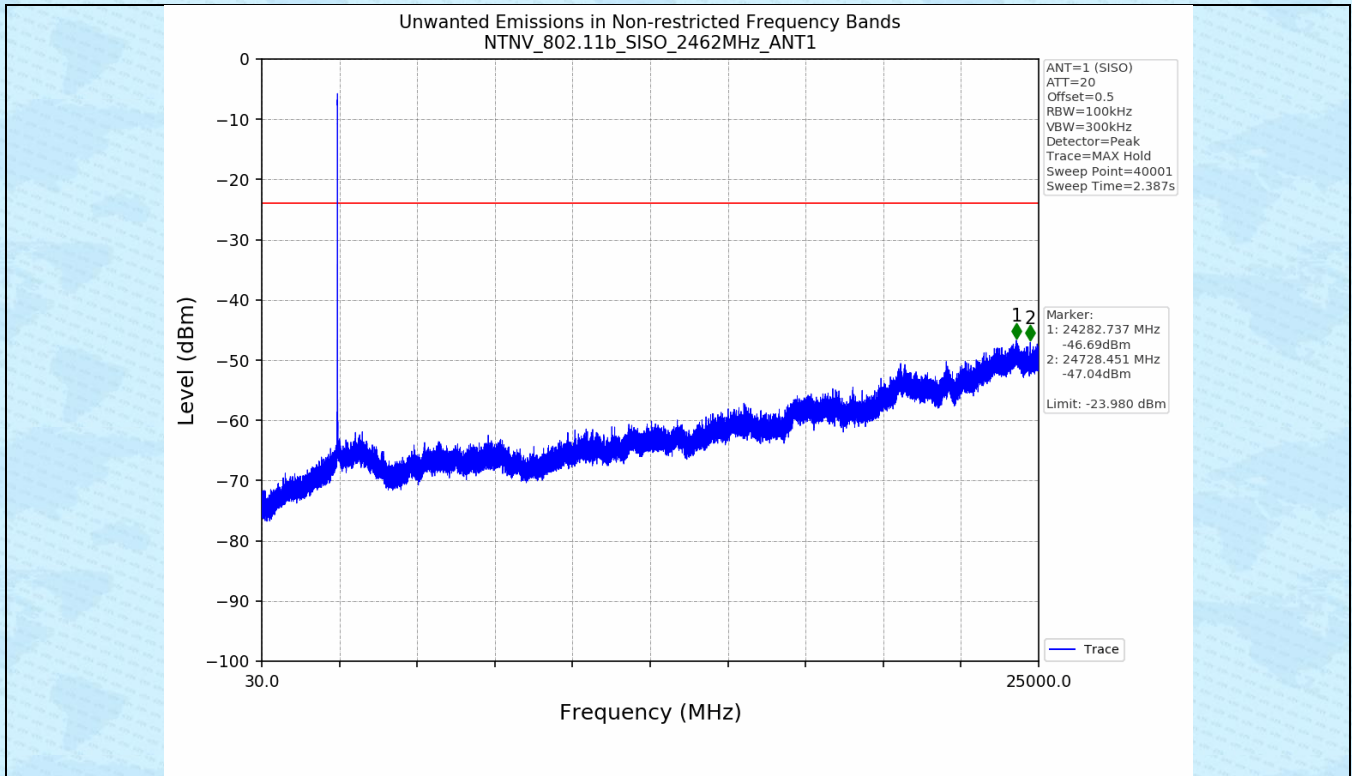
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-23.98	PASS
	2437	SISO	1	Refer to test graph	-23.98	PASS
	2462	SISO	1	Refer to test graph	-23.98	PASS
802.11g	2412	SISO	1	Refer to test graph	-28.87	PASS
	2437	SISO	1	Refer to test graph	-28.87	PASS
	2462	SISO	1	Refer to test graph	-28.87	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-30.99	PASS
	2437	SISO	1	Refer to test graph	-30.99	PASS
	2462	SISO	1	Refer to test graph	-30.99	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-33.43	PASS
	2437	SISO	1	Refer to test graph	-33.43	PASS
	2452	SISO	1	Refer to test graph	-33.43	PASS

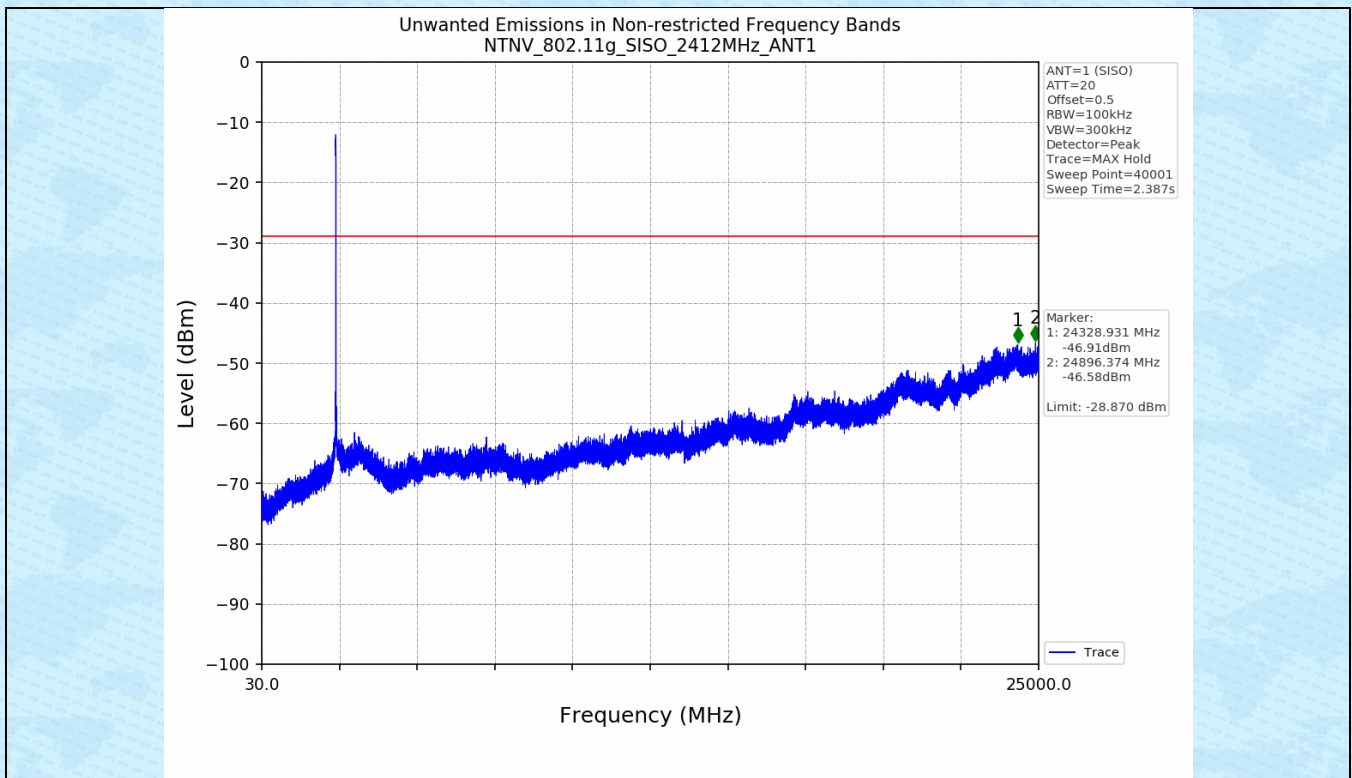
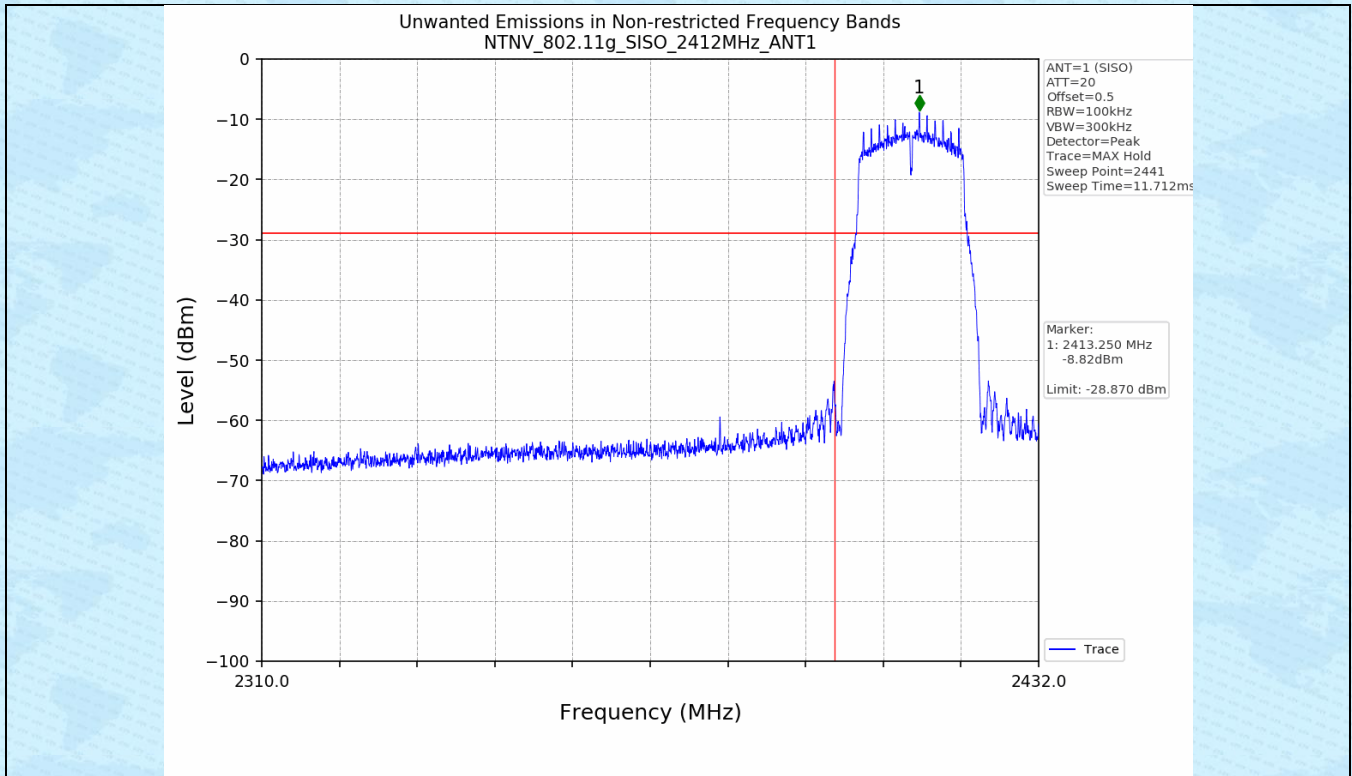
5.2 Test Graph

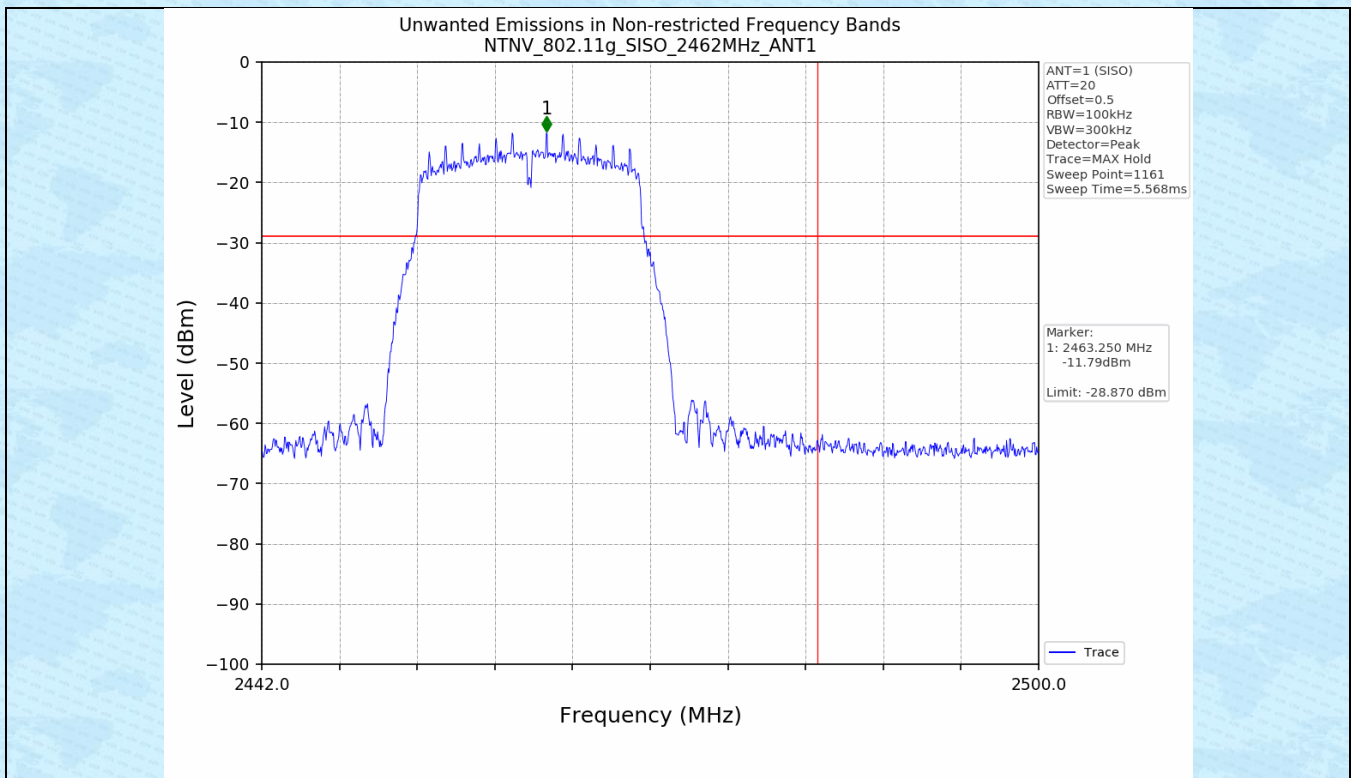
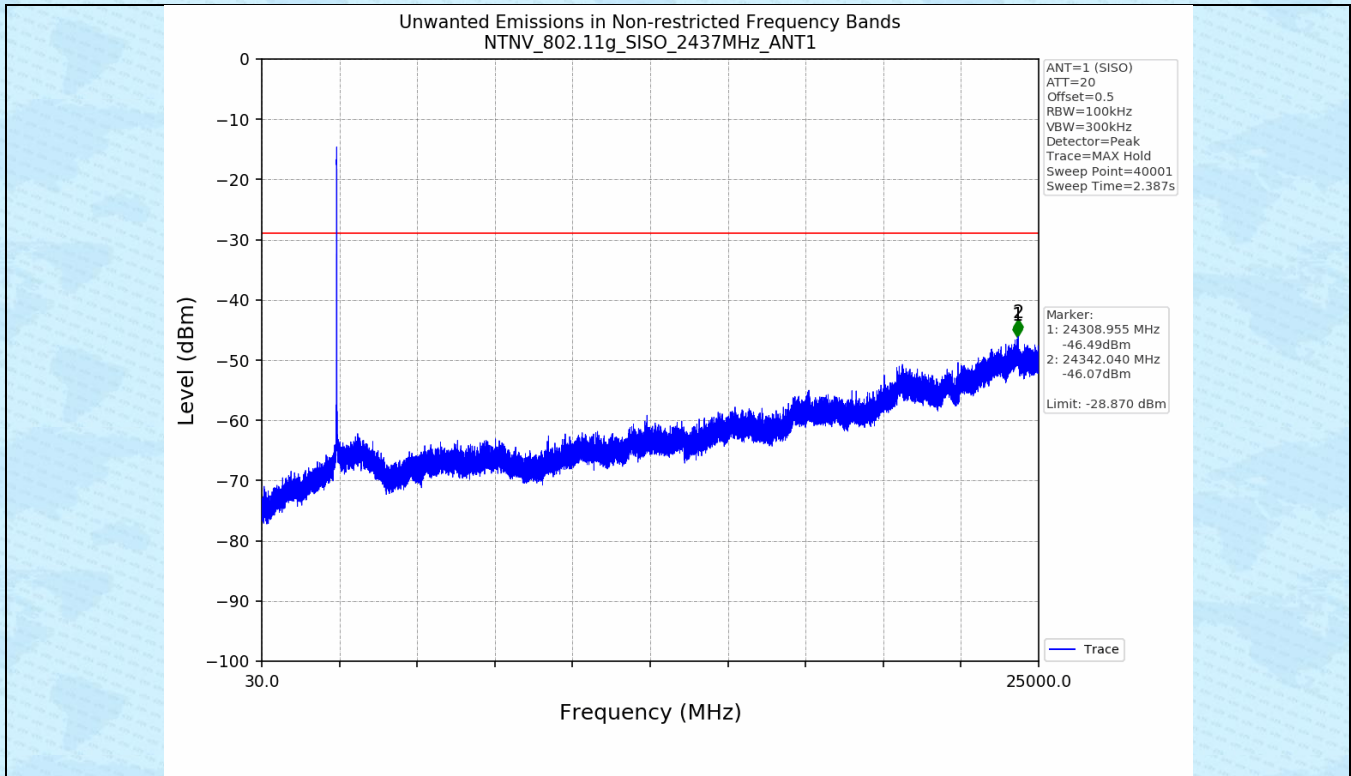


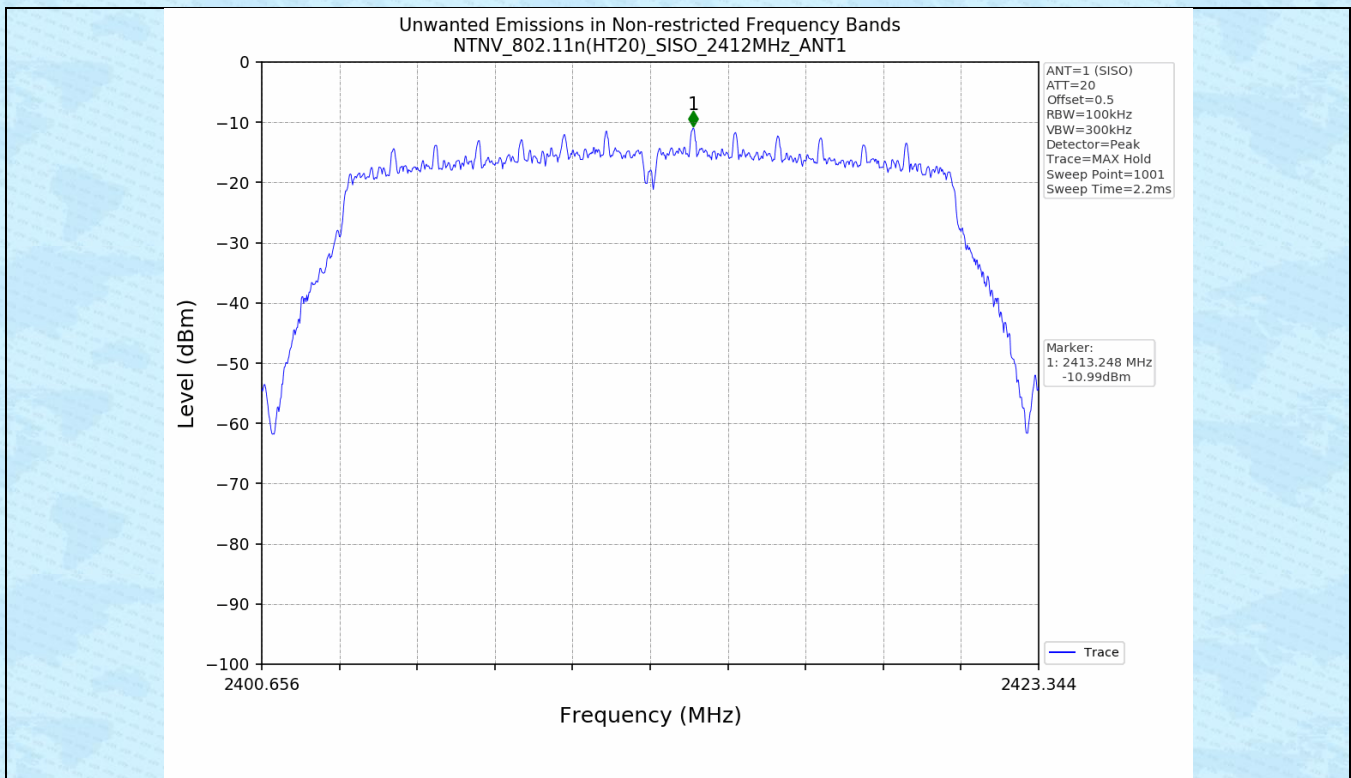
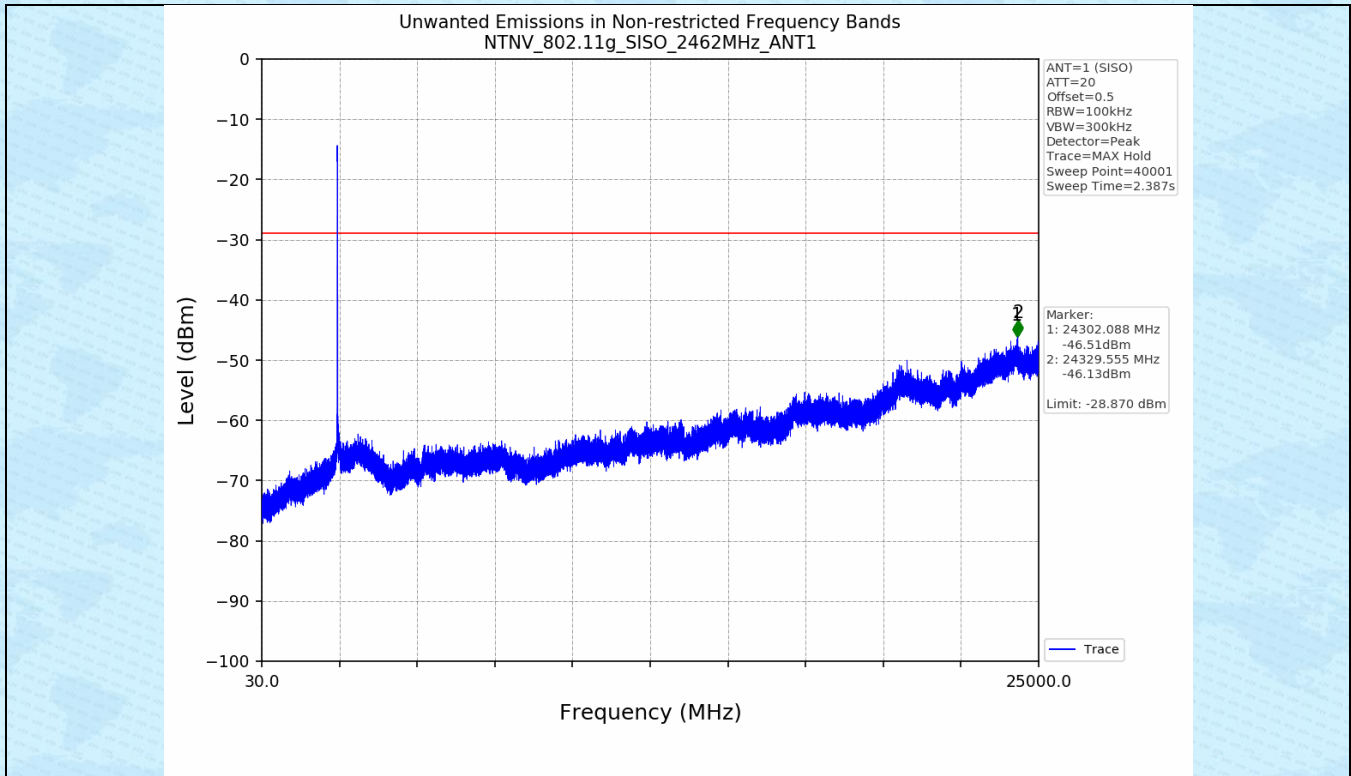


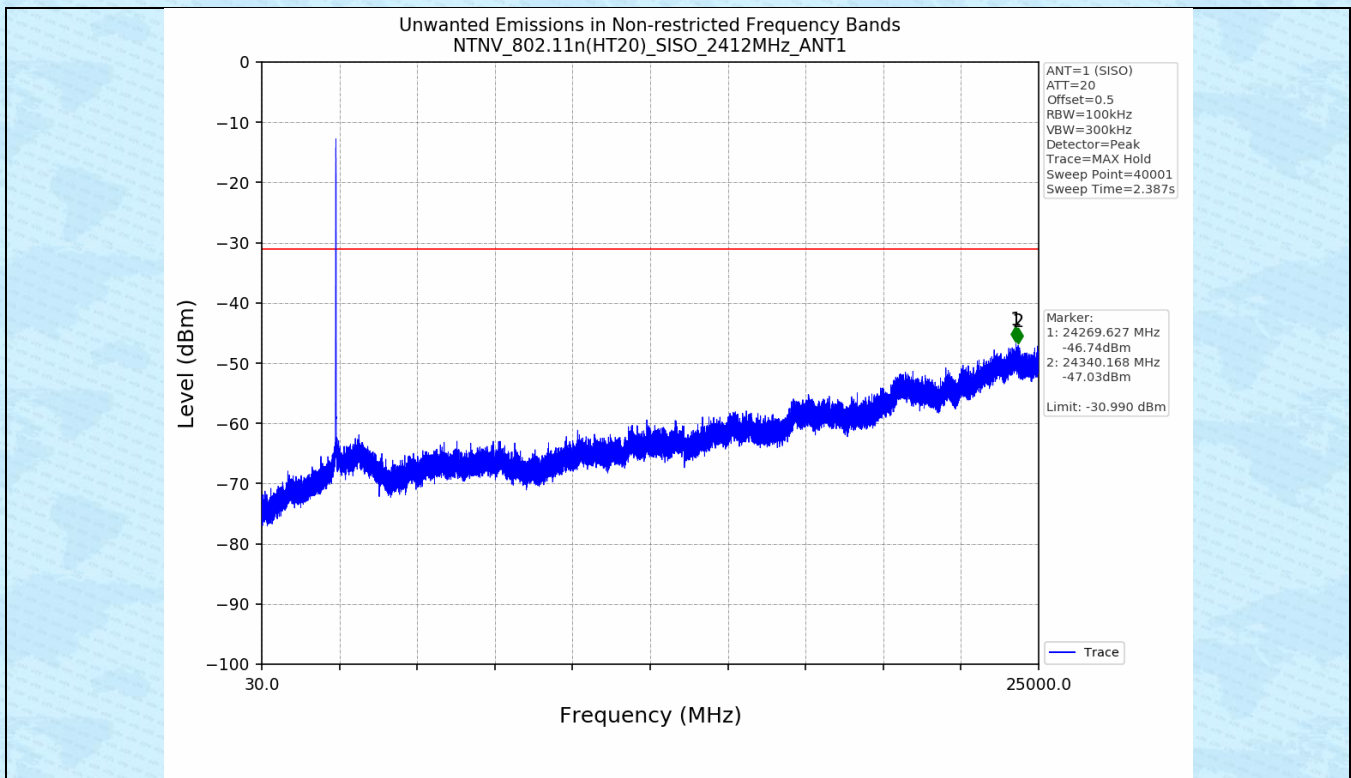
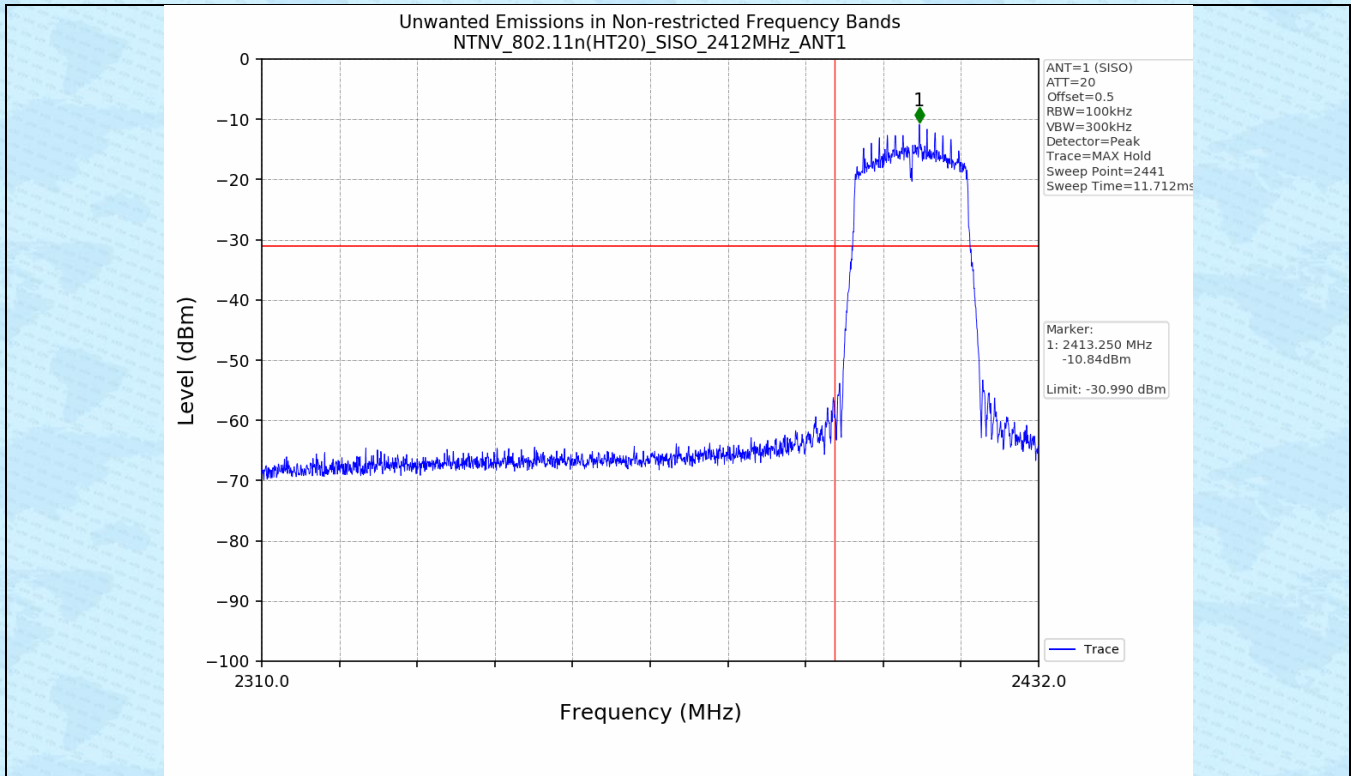


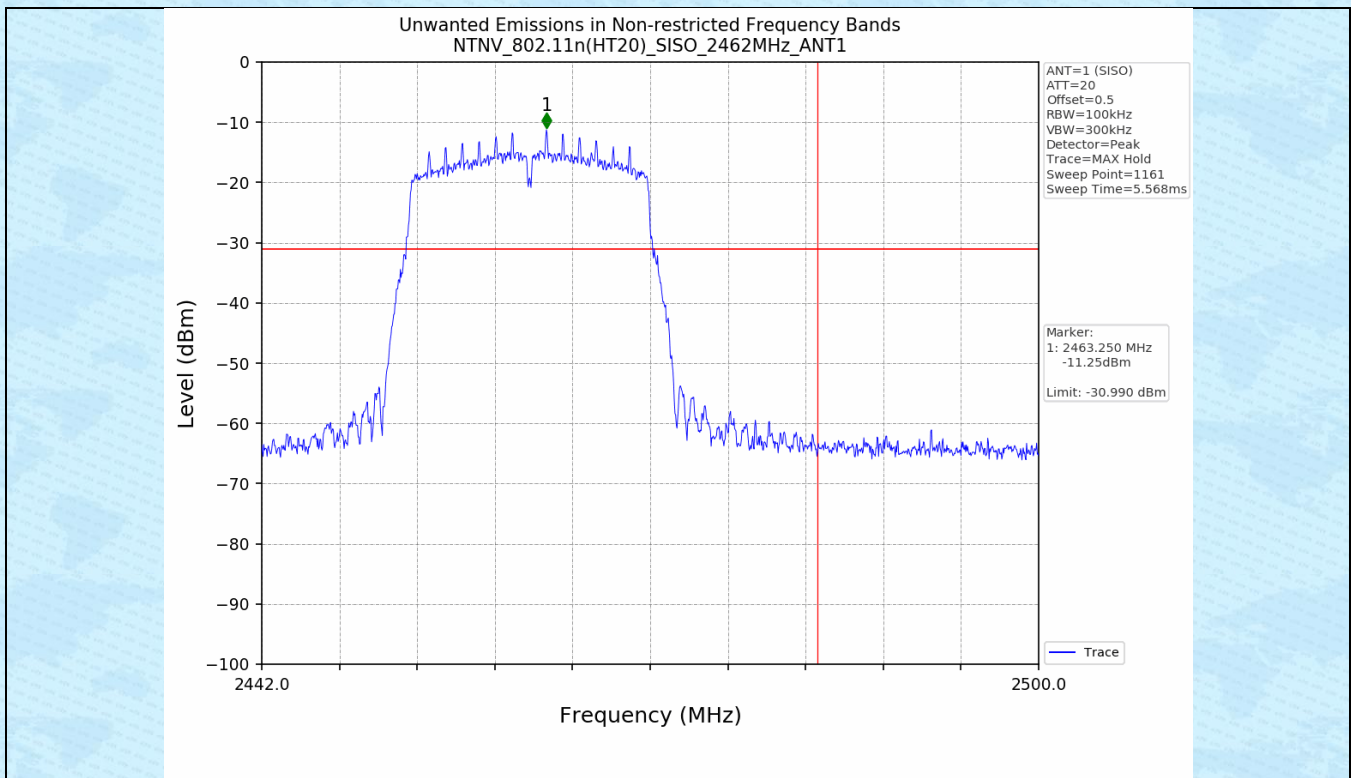
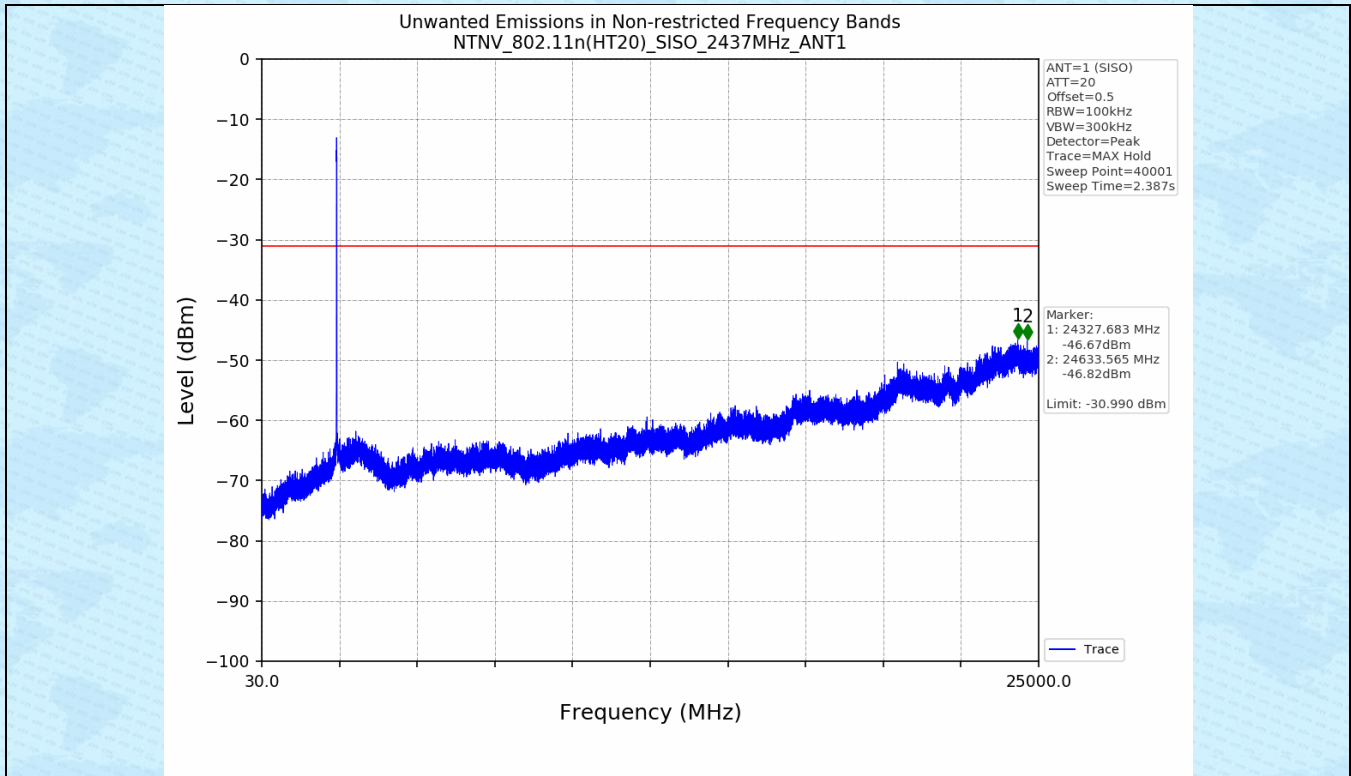


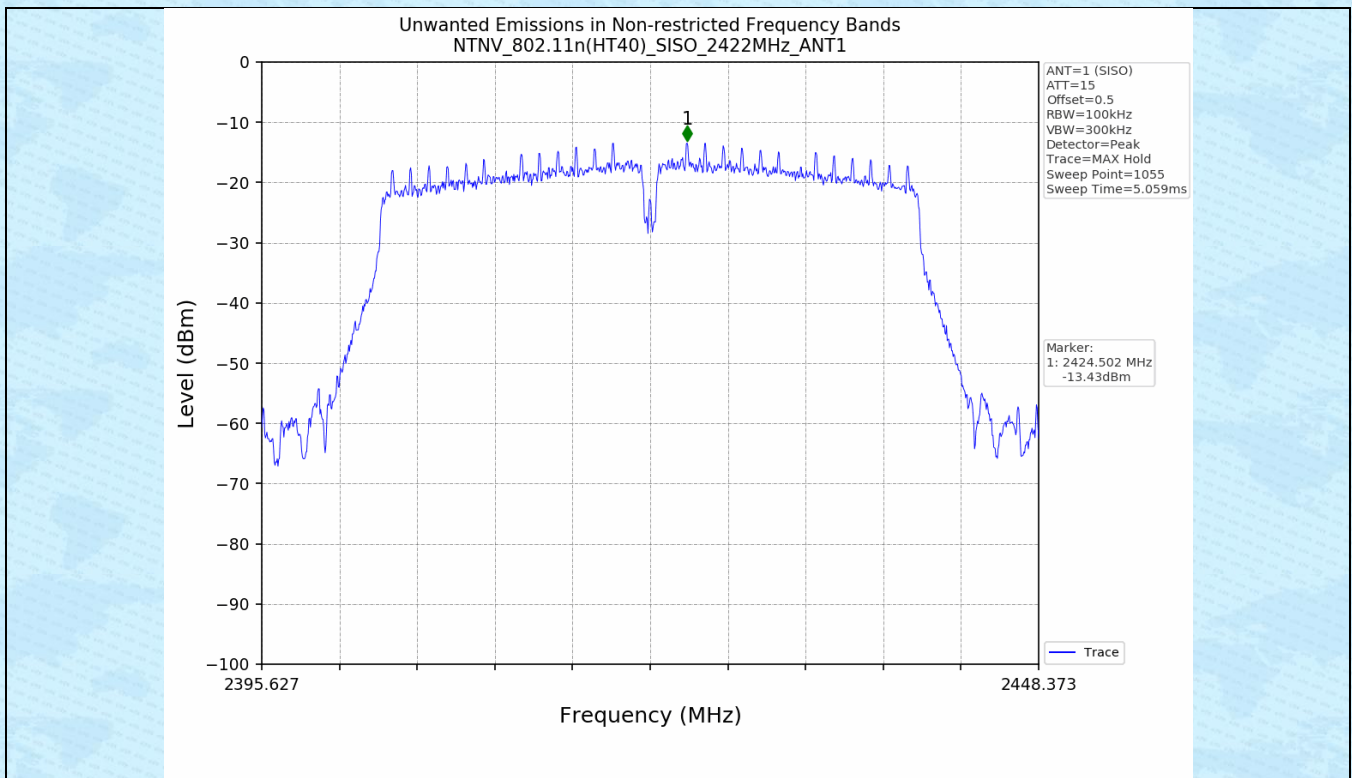
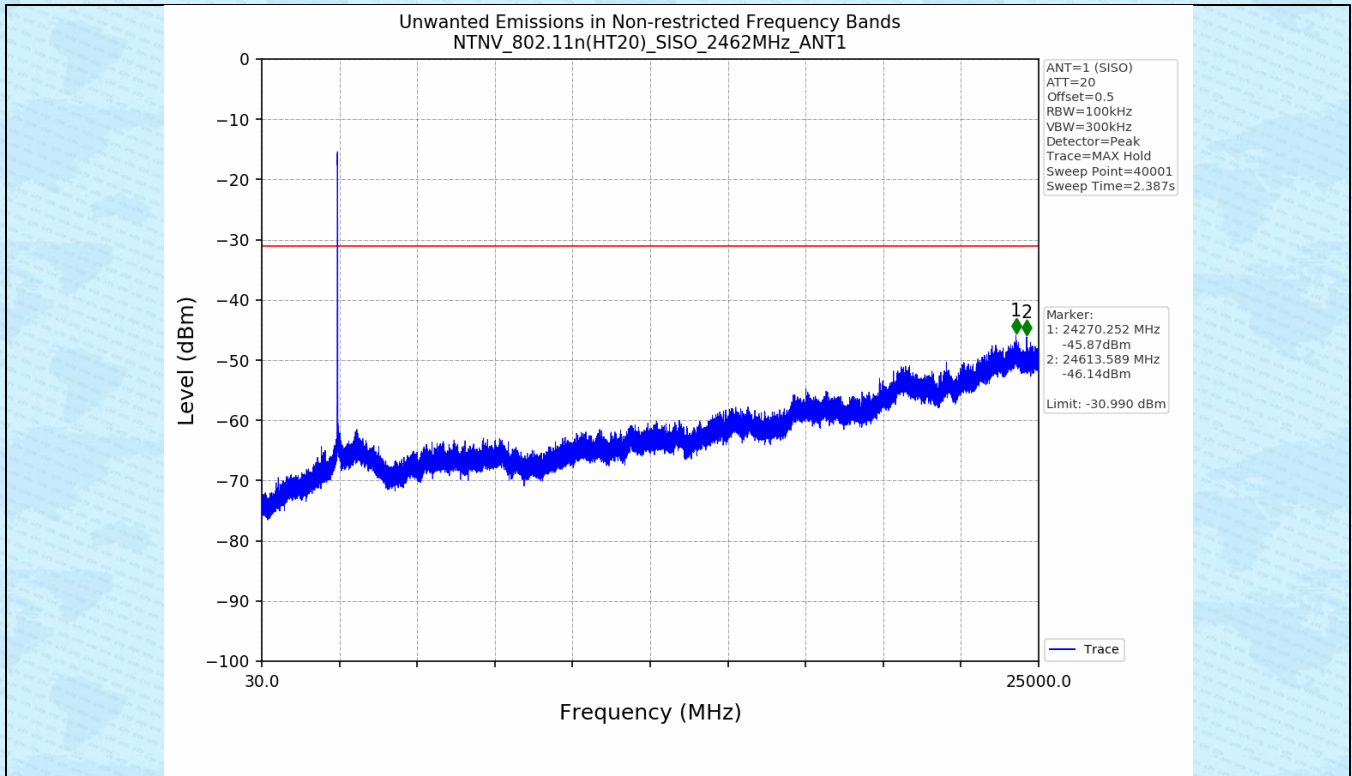


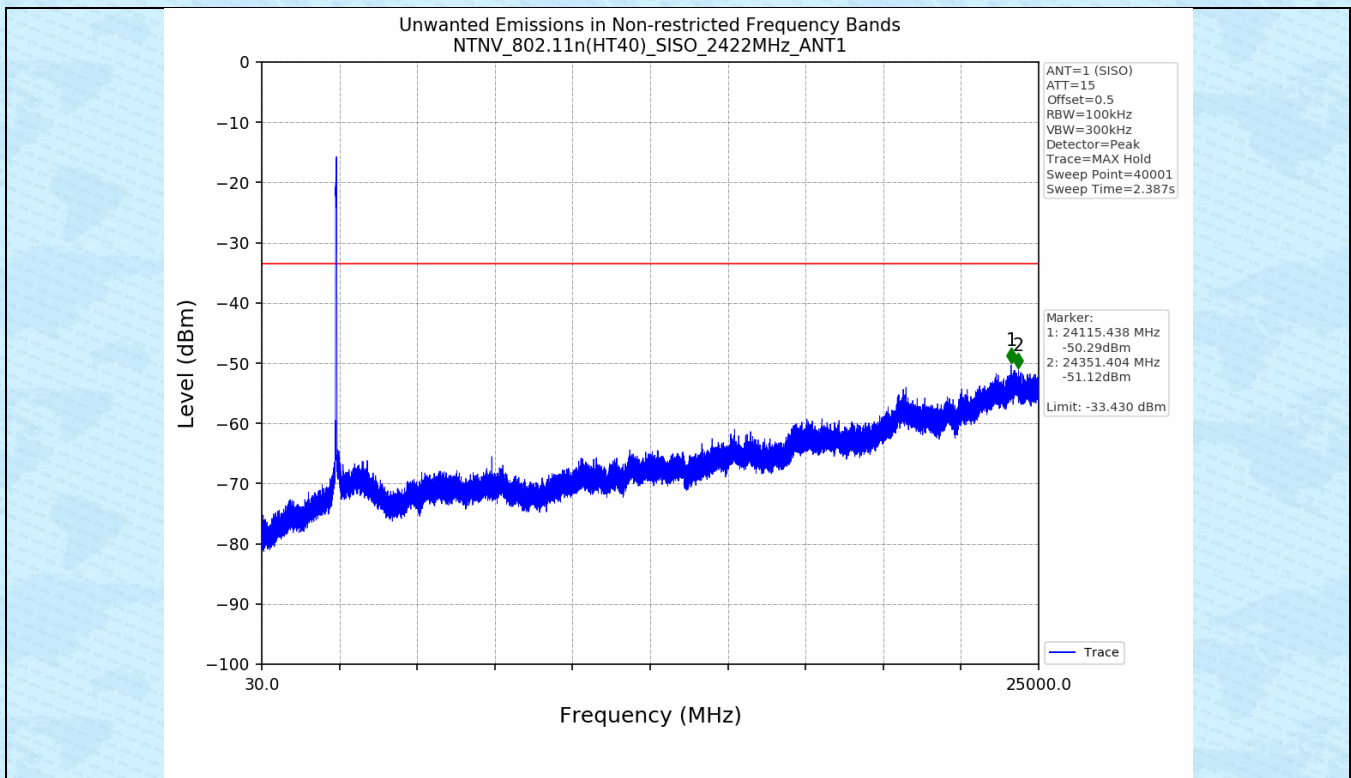
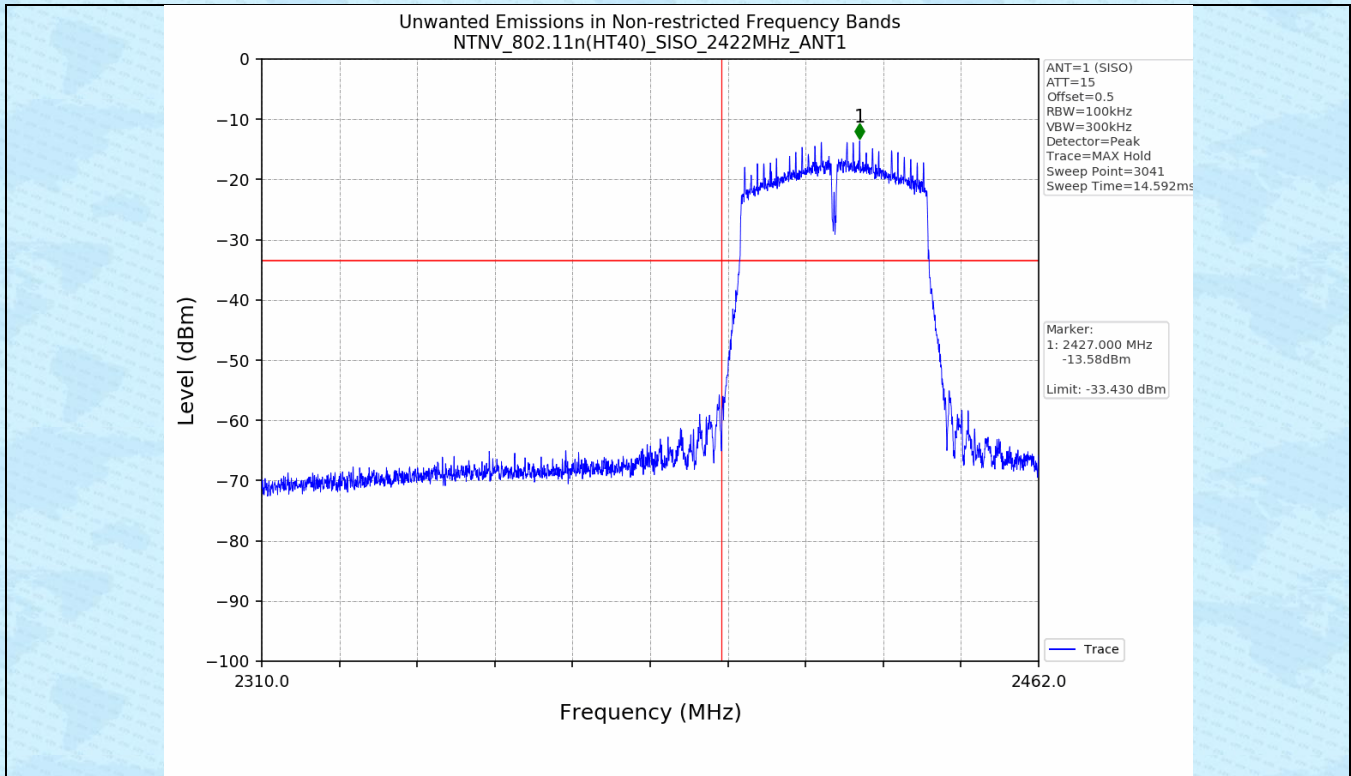


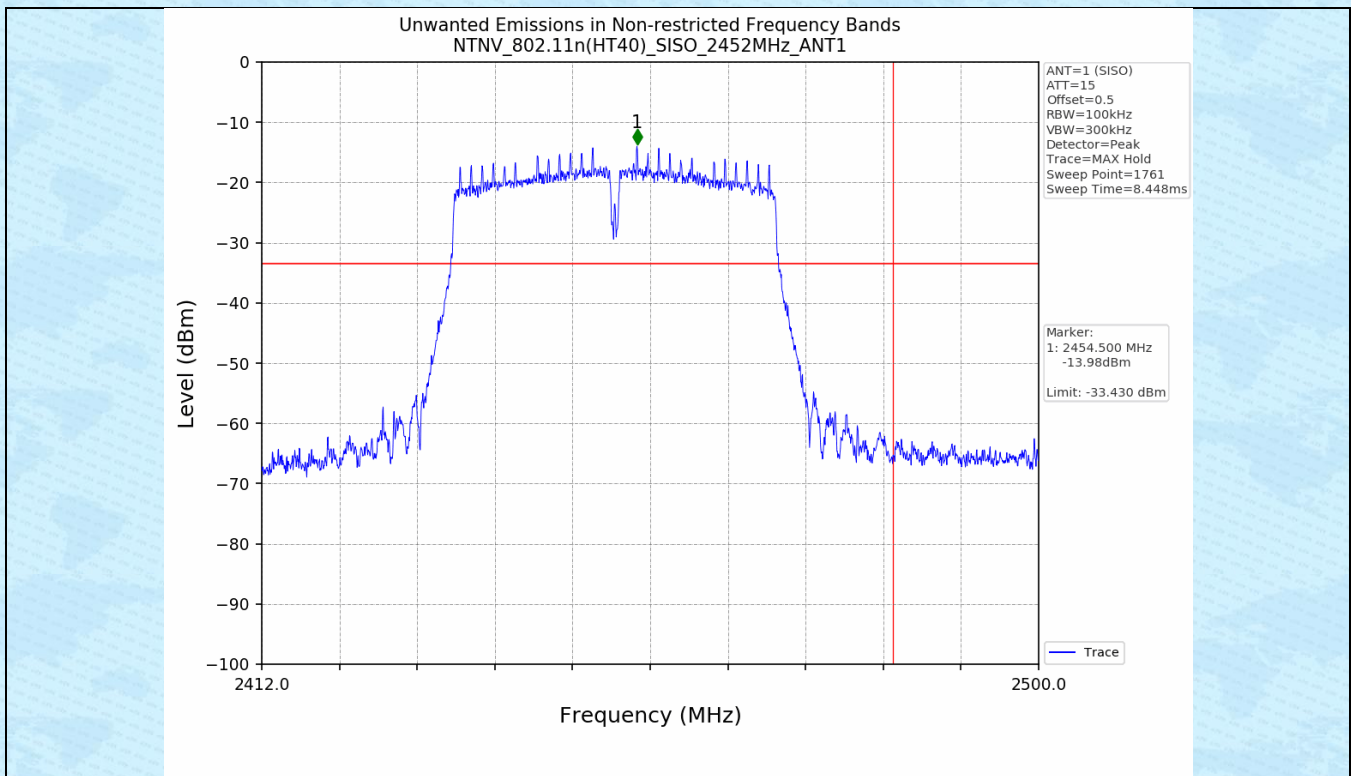
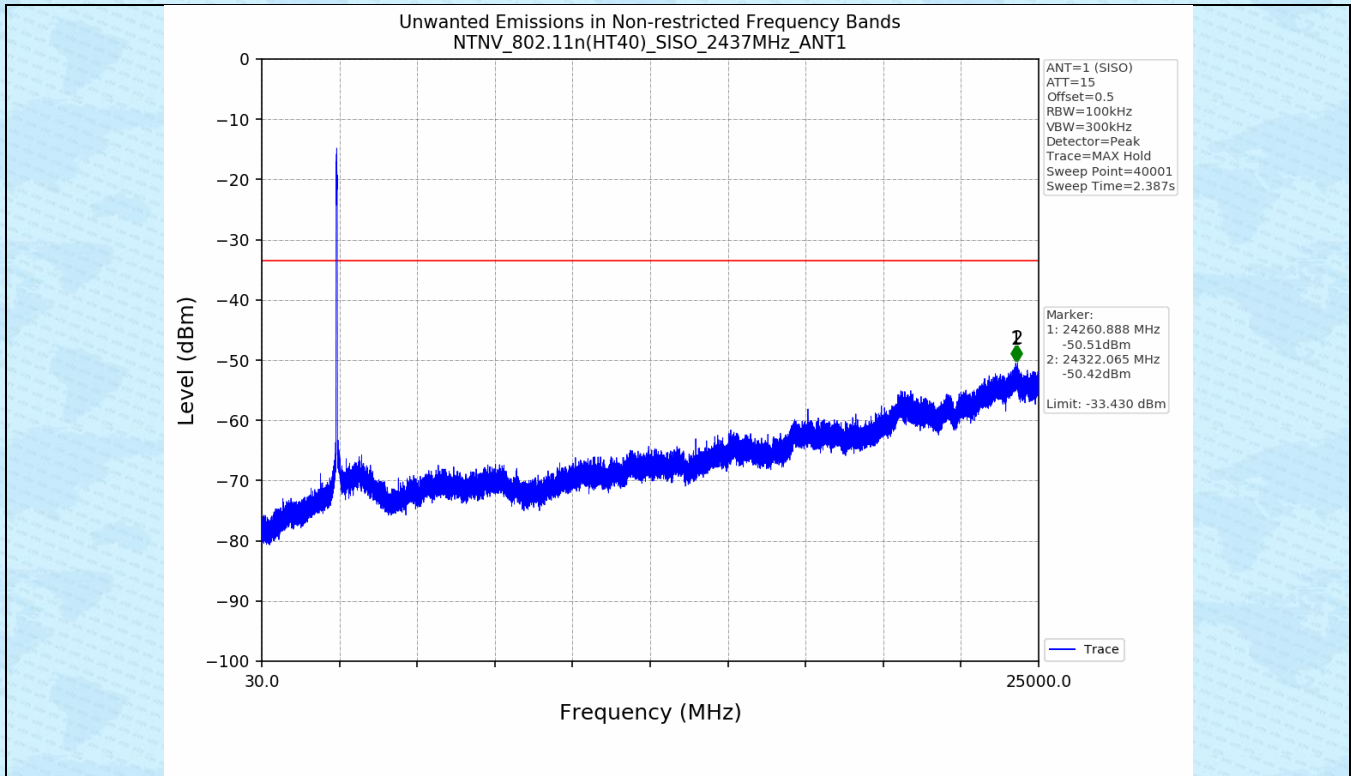


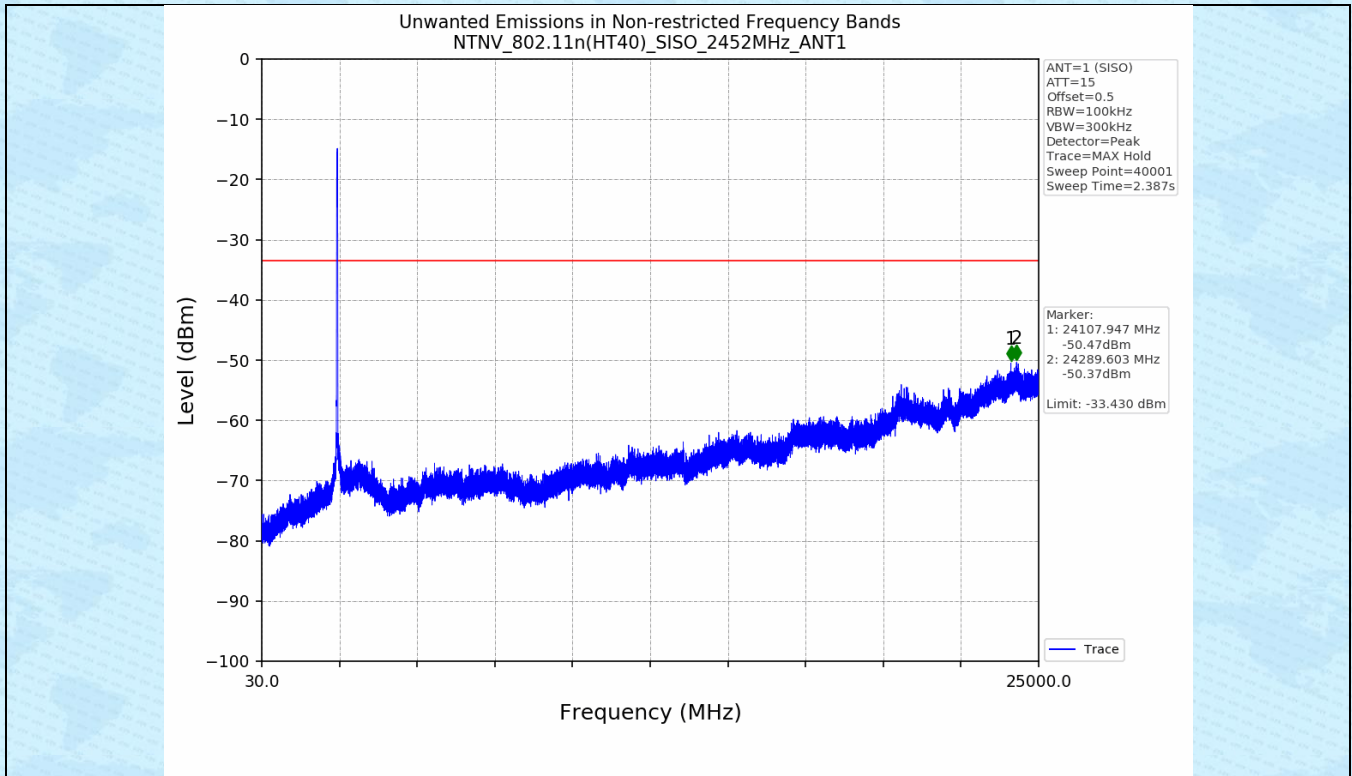












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