

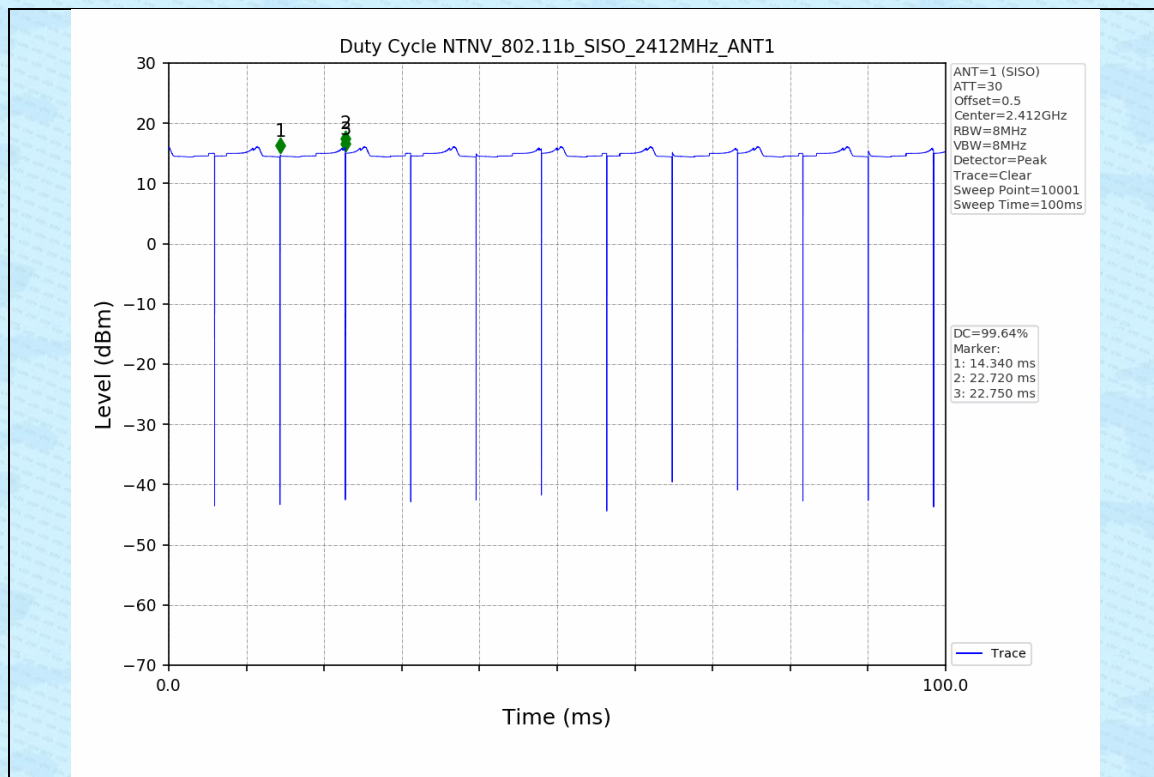
Appendix for 15.247

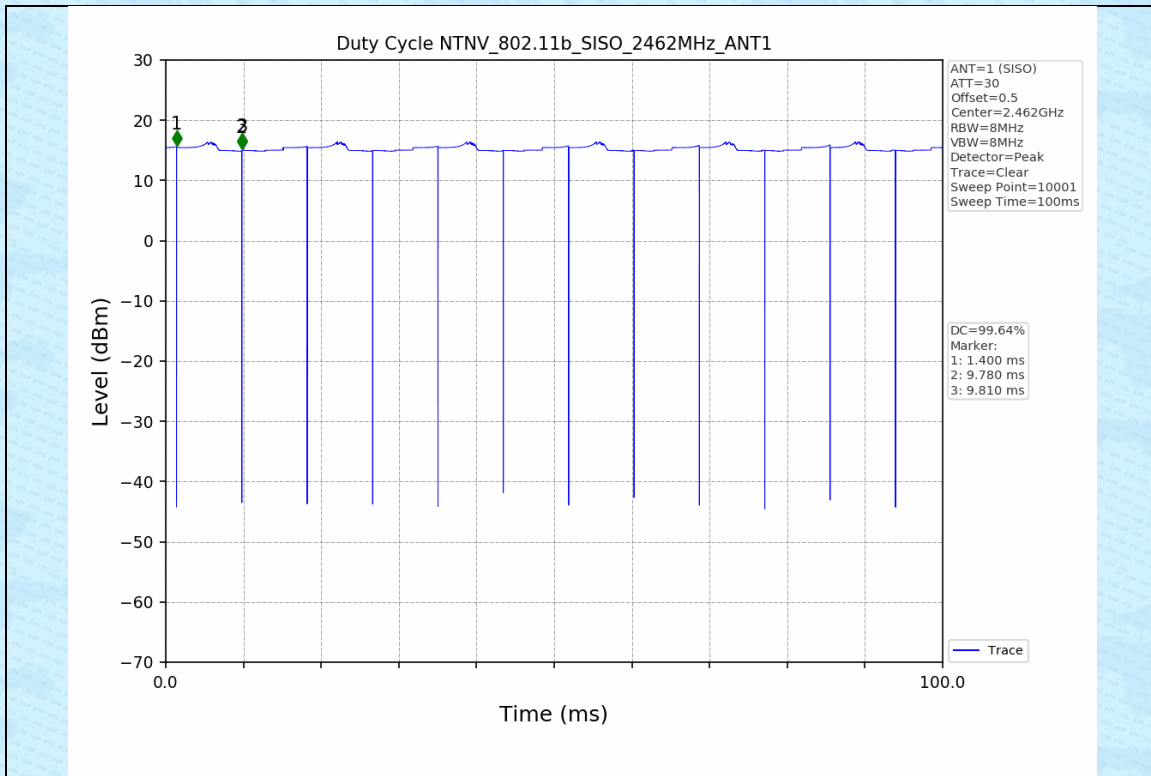
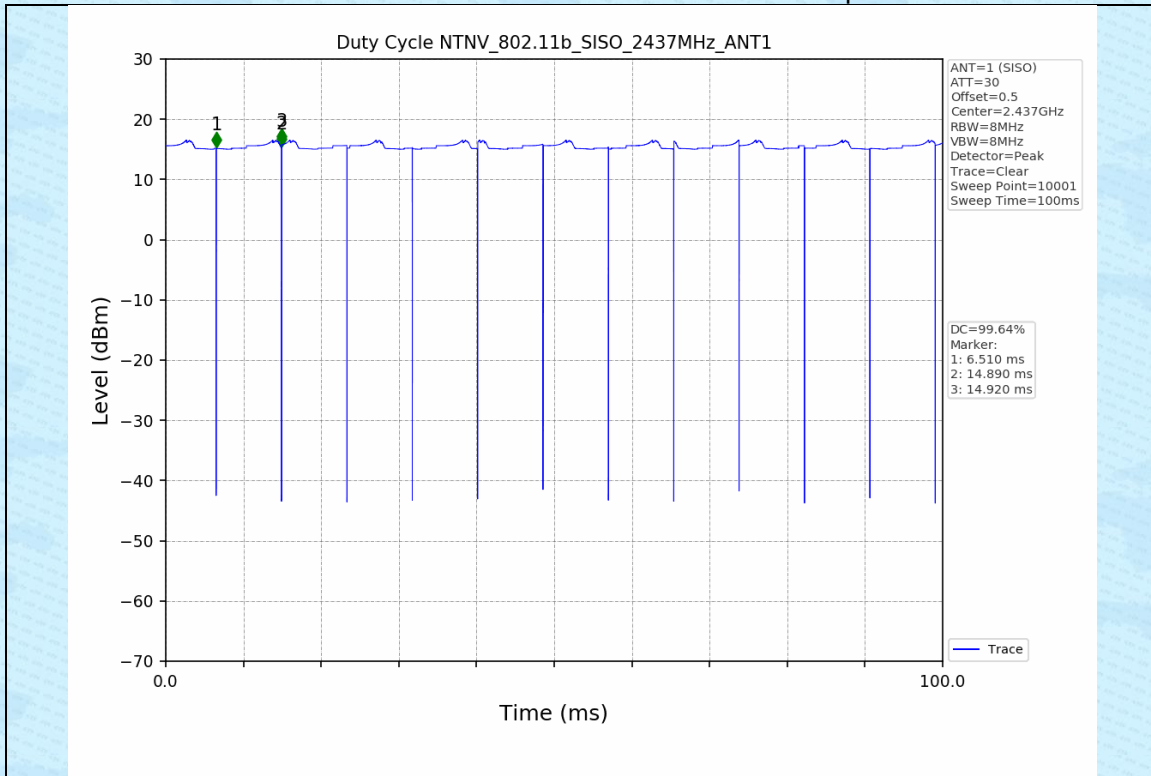
1. Duty Cycle

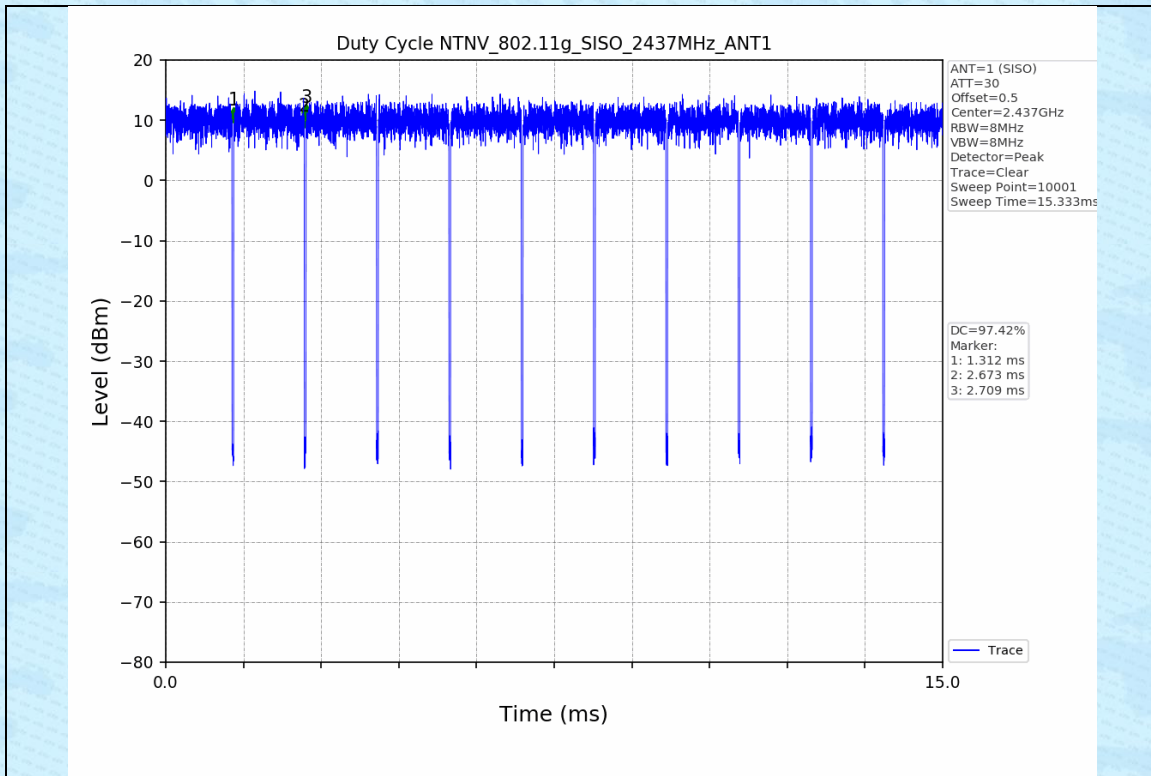
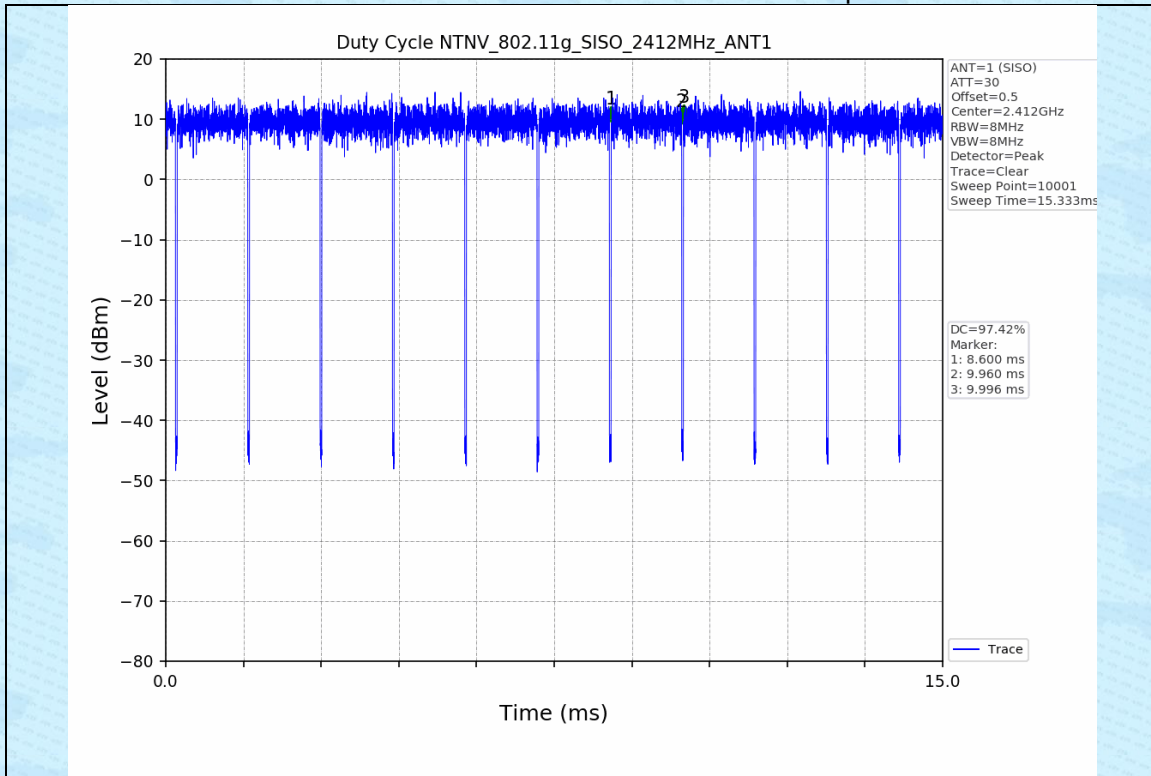
1.1 Test Result

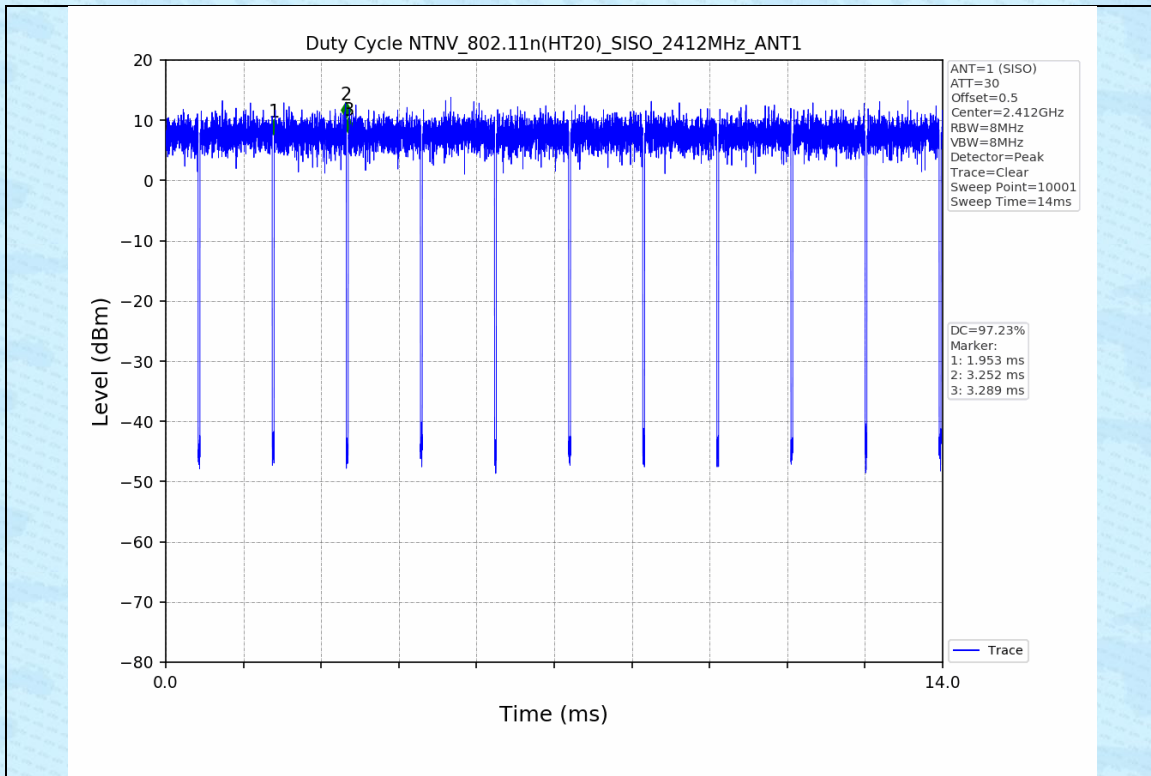
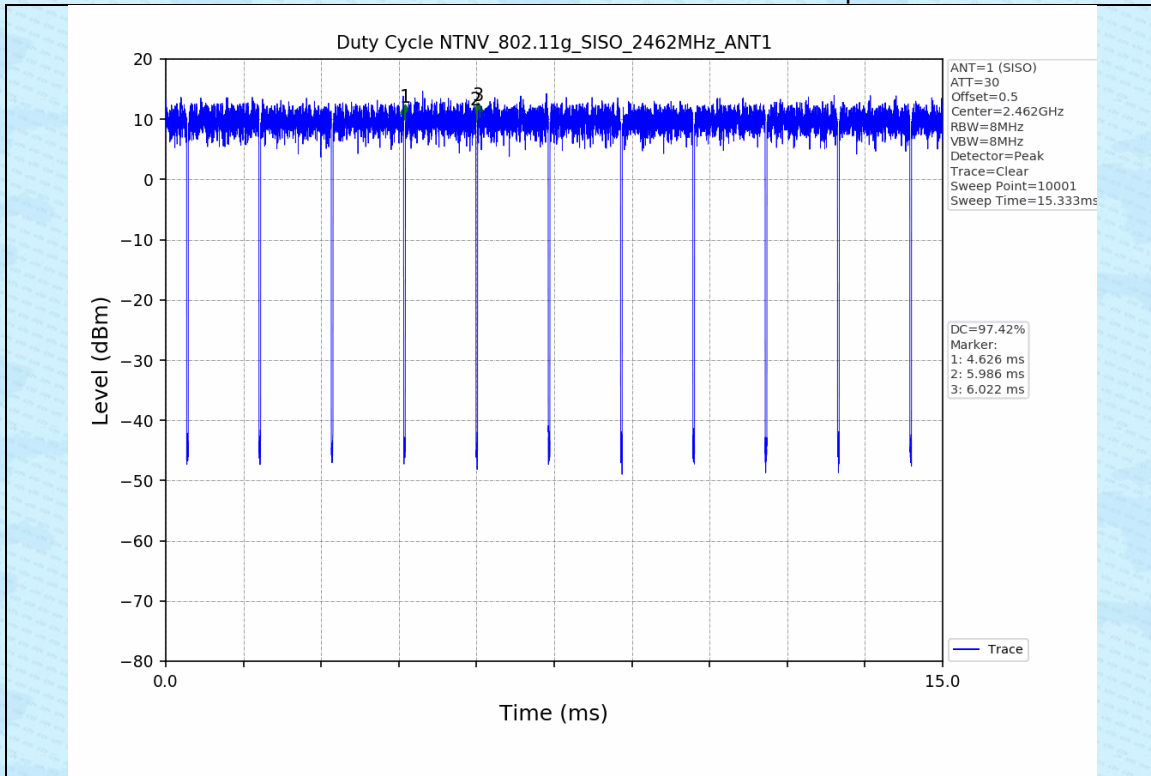
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	8.380	8.410	99.64	0.02
	2437	SISO	1	8.380	8.410	99.64	0.02
	2462	SISO	1	8.380	8.410	99.64	0.02
802.11g	2412	SISO	1	1.360	1.396	97.42	0.11
	2437	SISO	1	1.361	1.397	97.42	0.11
	2462	SISO	1	1.360	1.396	97.42	0.11
802.11n(HT20)	2412	SISO	1	1.299	1.336	97.23	0.12
	2437	SISO	1	1.299	1.335	97.30	0.12
	2462	SISO	1	1.299	1.335	97.30	0.12
802.11n(HT40)	2422	SISO	1	0.619	0.652	94.94	0.23
	2437	SISO	1	0.618	0.652	94.79	0.23
	2452	SISO	1	0.618	0.651	94.93	0.23

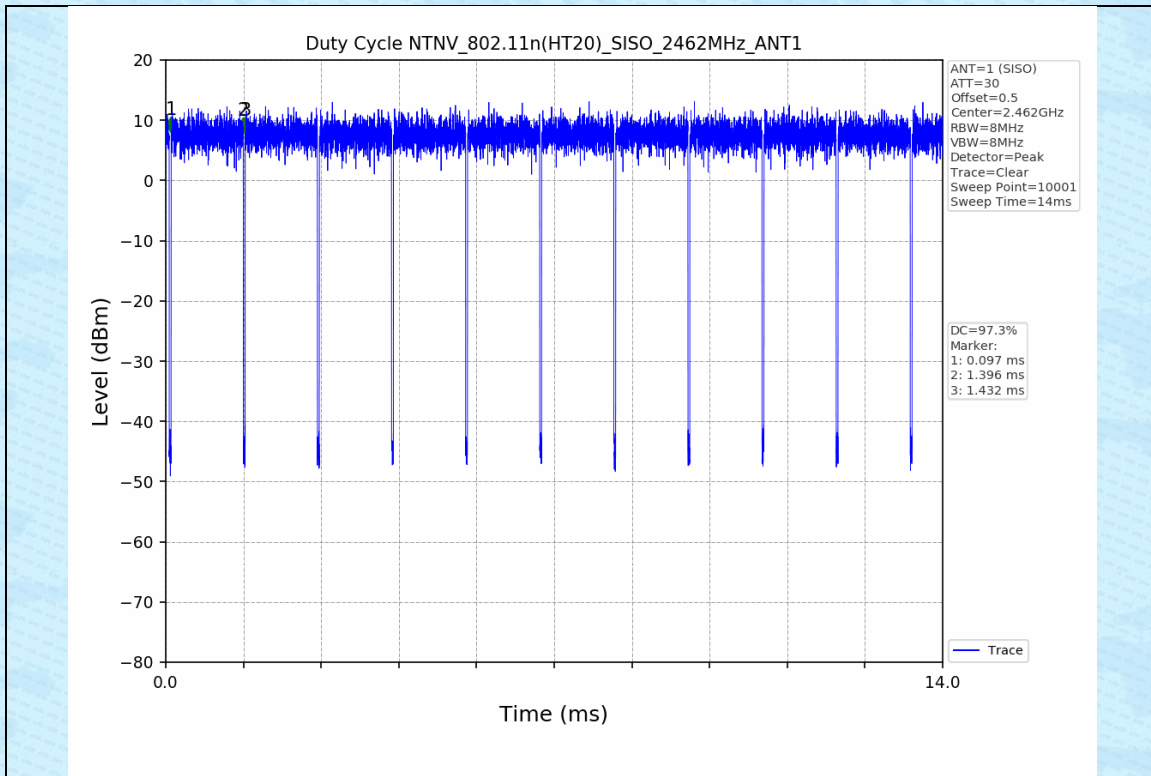
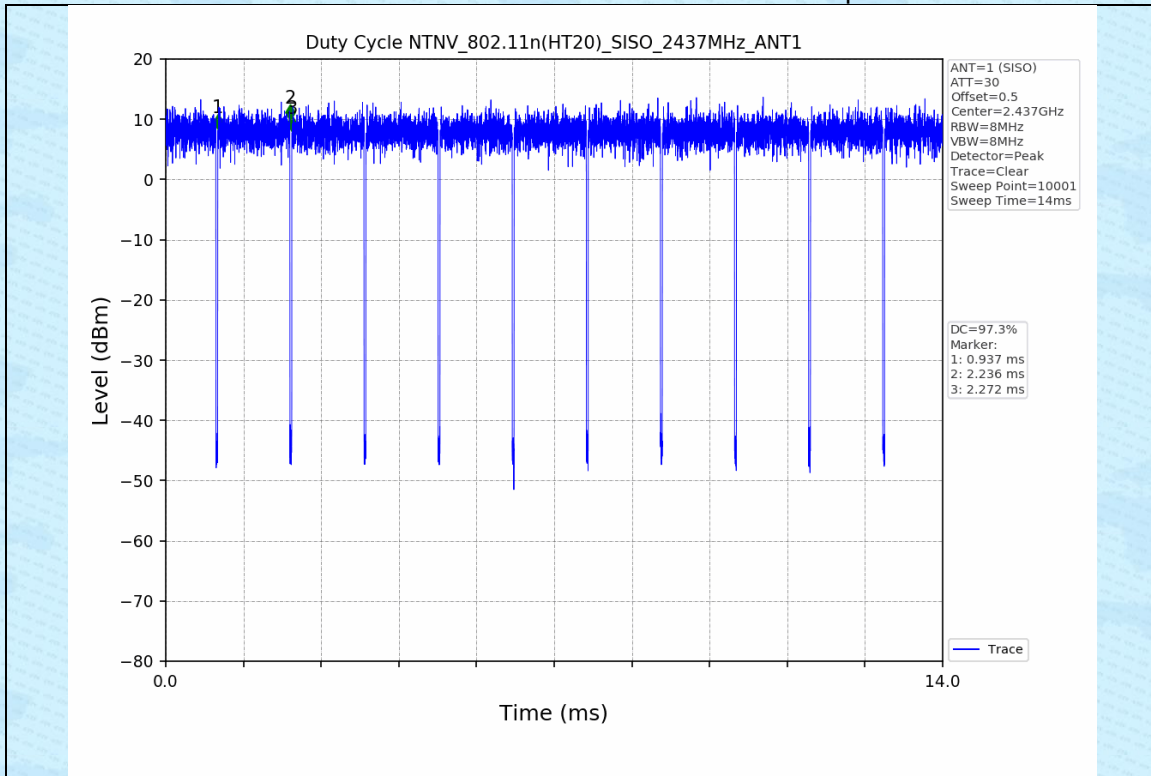
1.2 Test Graph

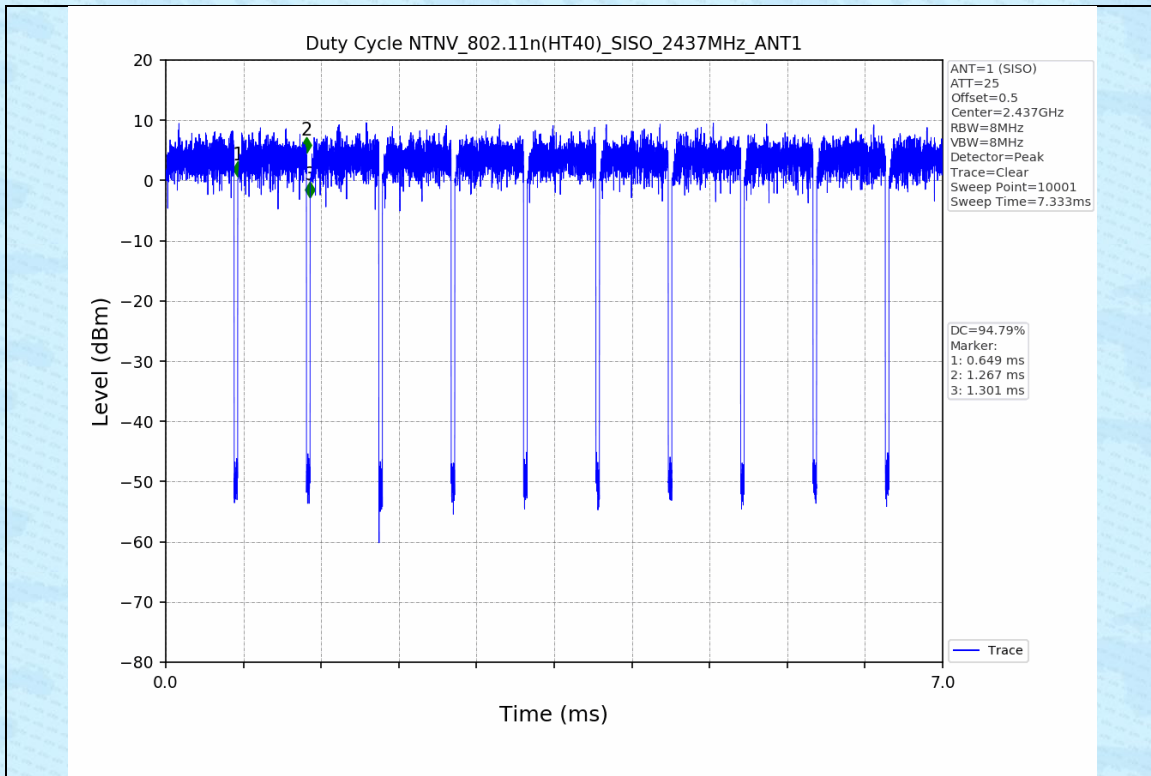
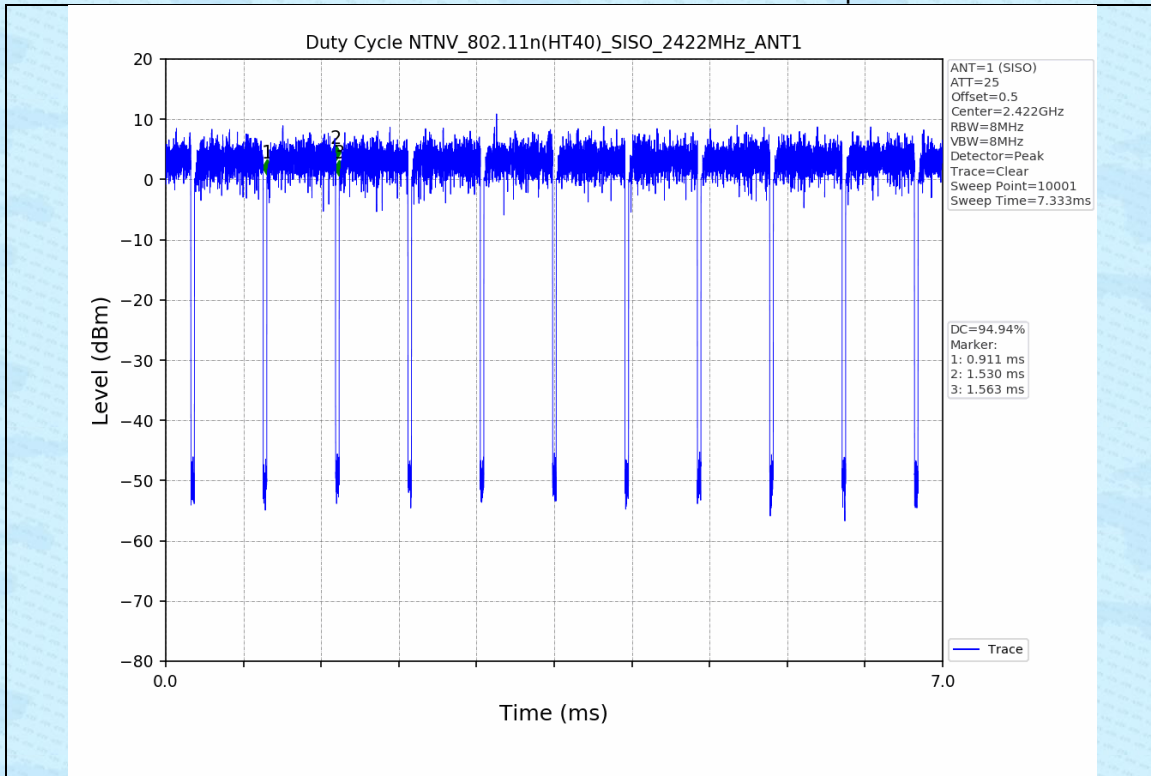


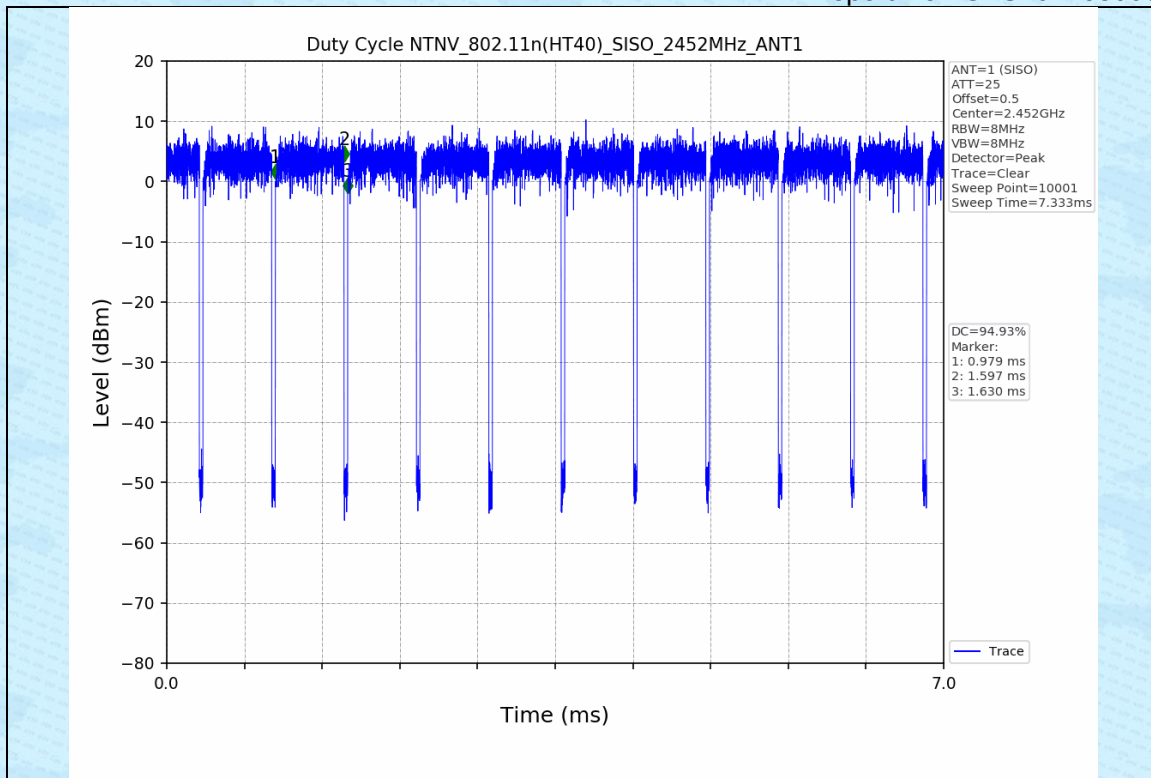












2. Bandwidth

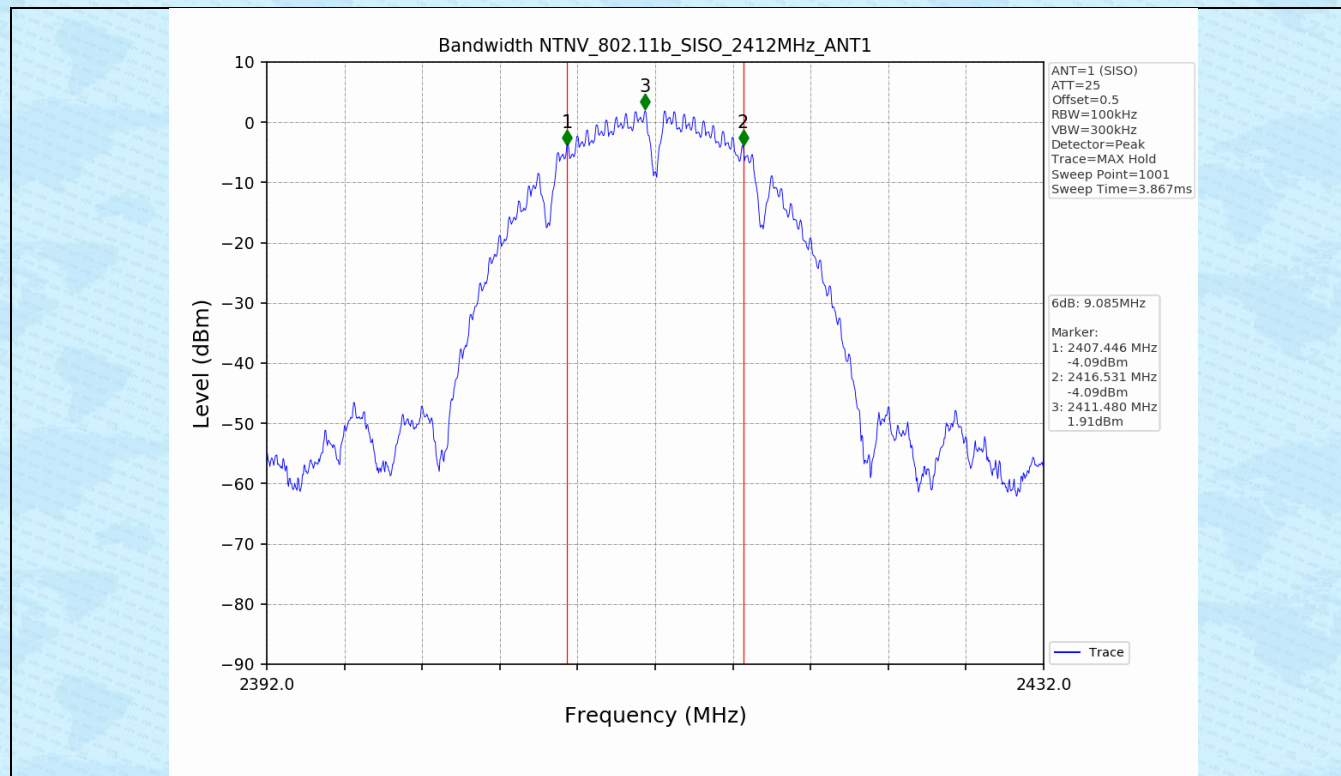
2.1 Test Result

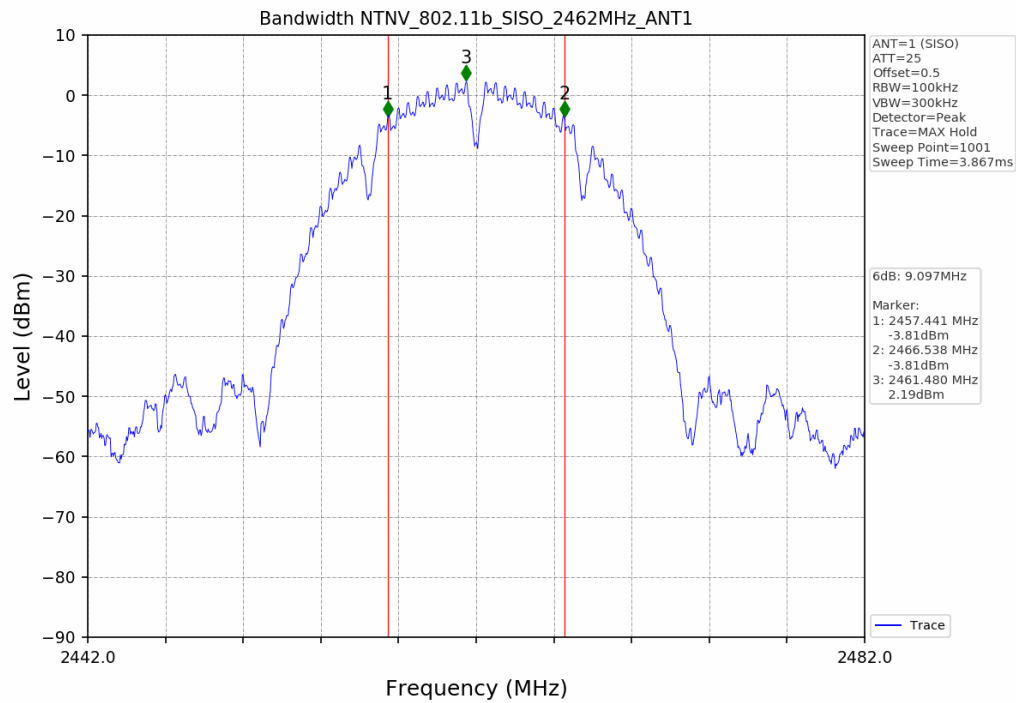
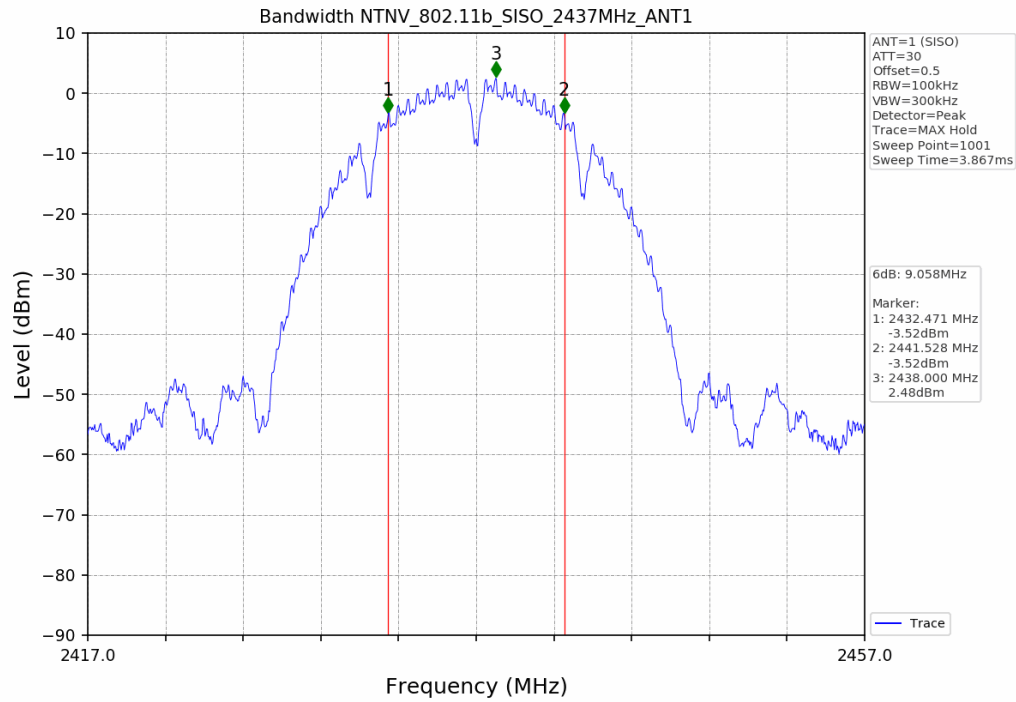
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	9.085	≥0.5	PASS
	2437	SISO	1	9.058	≥0.5	PASS
	2462	SISO	1	9.097	≥0.5	PASS
802.11g	2412	SISO	1	15.095	≥0.5	PASS
	2437	SISO	1	14.089	≥0.5	PASS
	2462	SISO	1	15.172	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	15.170	≥0.5	PASS
	2437	SISO	1	15.147	≥0.5	PASS
	2462	SISO	1	15.113	≥0.5	PASS
802.11n(HT40)	2422	SISO	1	35.161	≥0.5	PASS
	2437	SISO	1	35.063	≥0.5	PASS
	2452	SISO	1	35.181	≥0.5	PASS

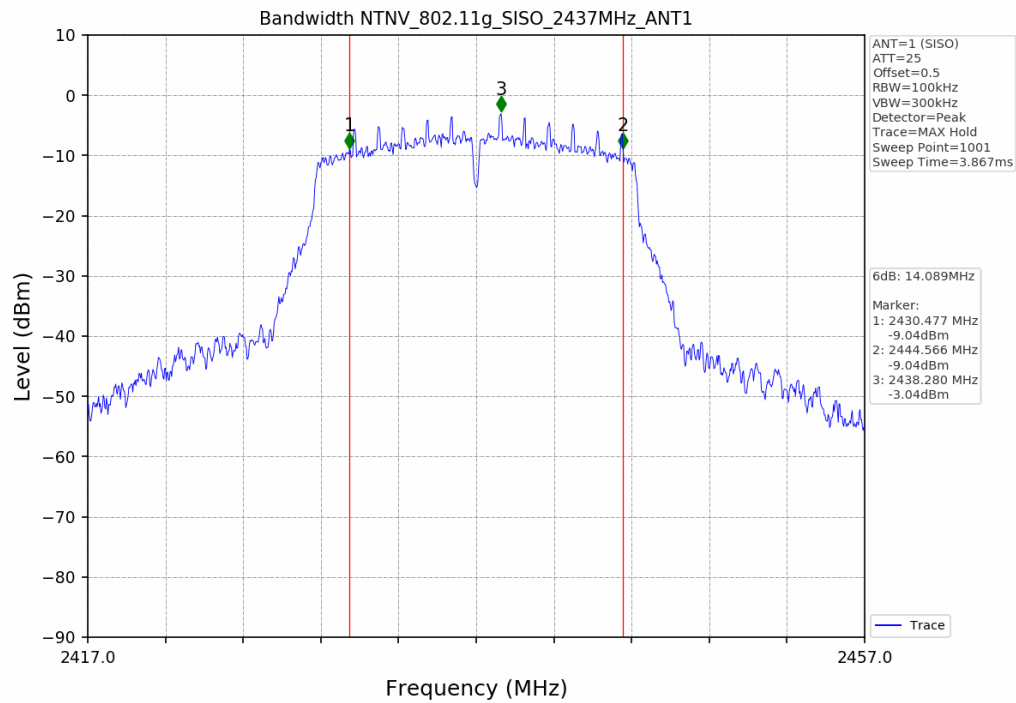
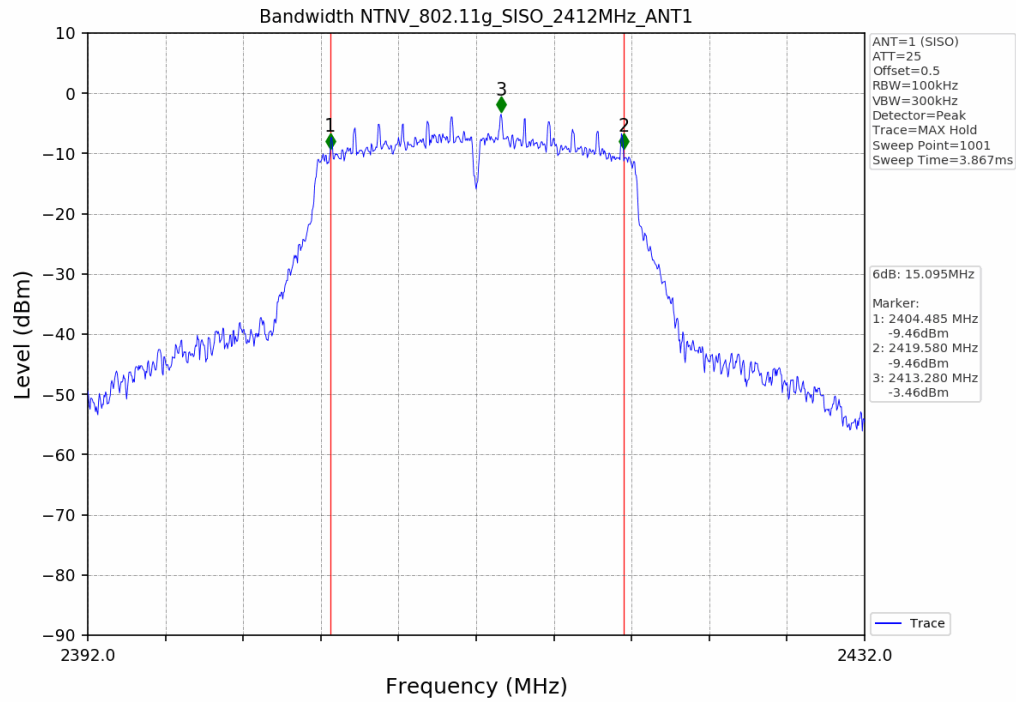
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	13.363	Only for Report Use
	2437	SISO	1	13.275	Only for Report Use
	2462	SISO	1	13.395	Only for Report Use
802.11g	2412	SISO	1	16.751	Only for Report Use
	2437	SISO	1	16.699	Only for Report Use

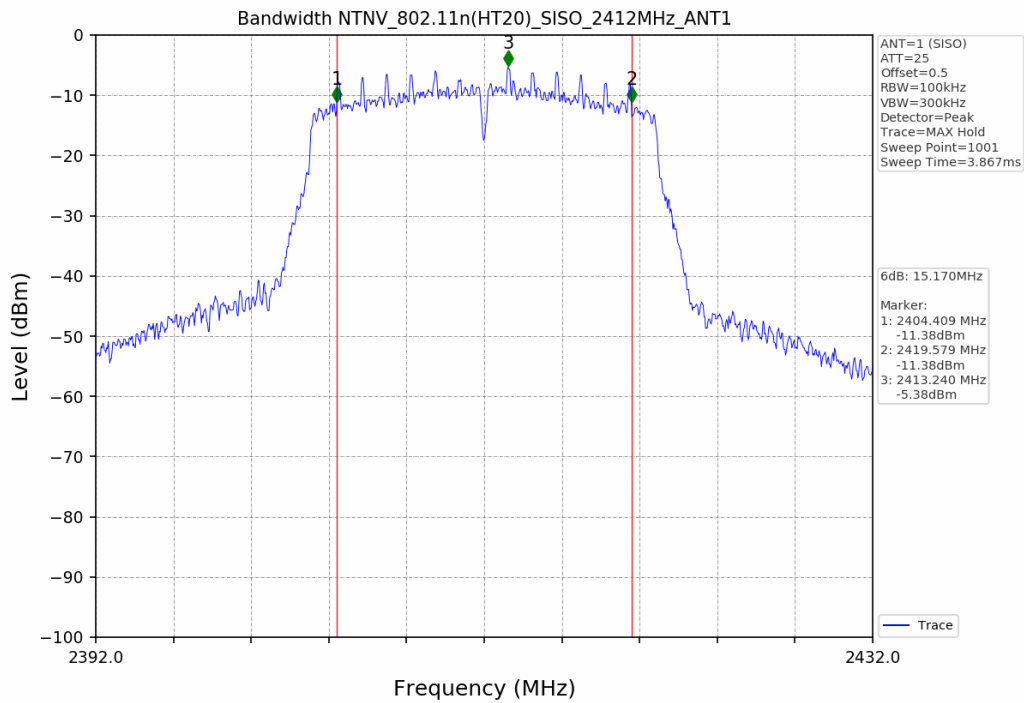
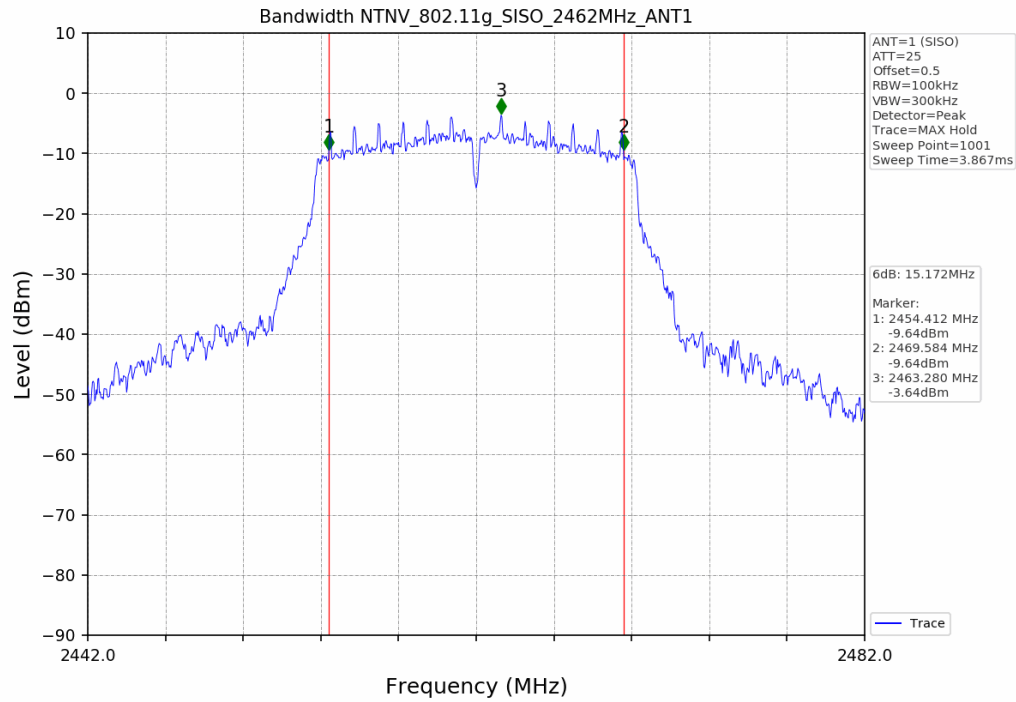
	2462	SISO	1	16.778	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.687	Only for Report Use
	2437	SISO	1	17.631	Only for Report Use
	2462	SISO	1	17.696	Only for Report Use
	2422	SISO	1	36.408	Only for Report Use
802.11n(HT40)	2437	SISO	1	36.258	Only for Report Use
	2452	SISO	1	36.330	Only for Report Use

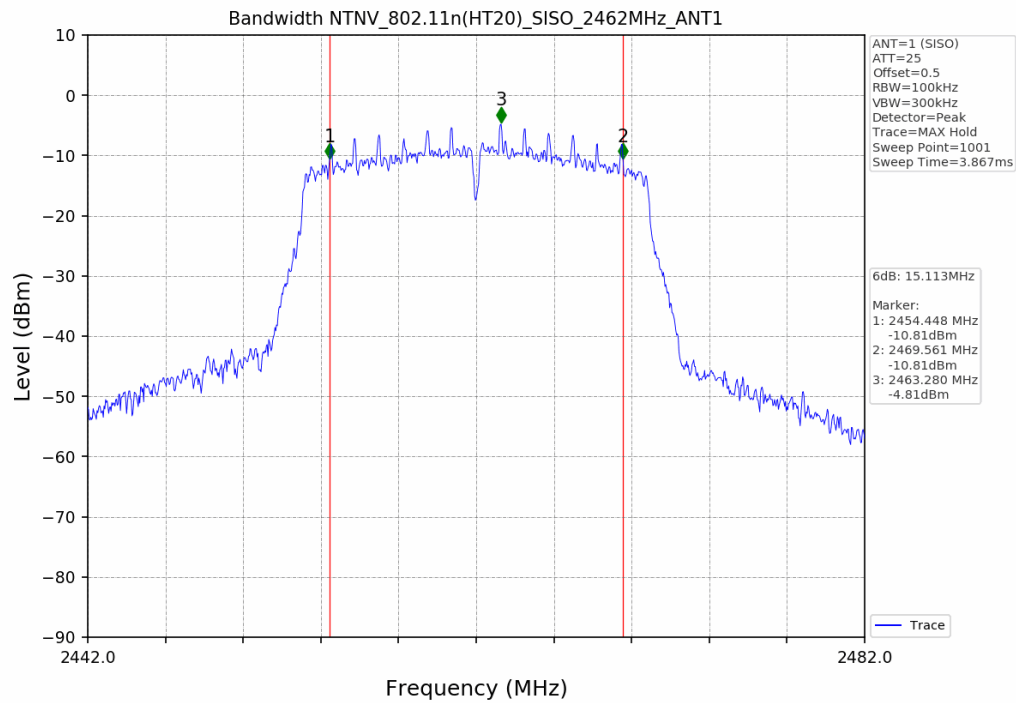
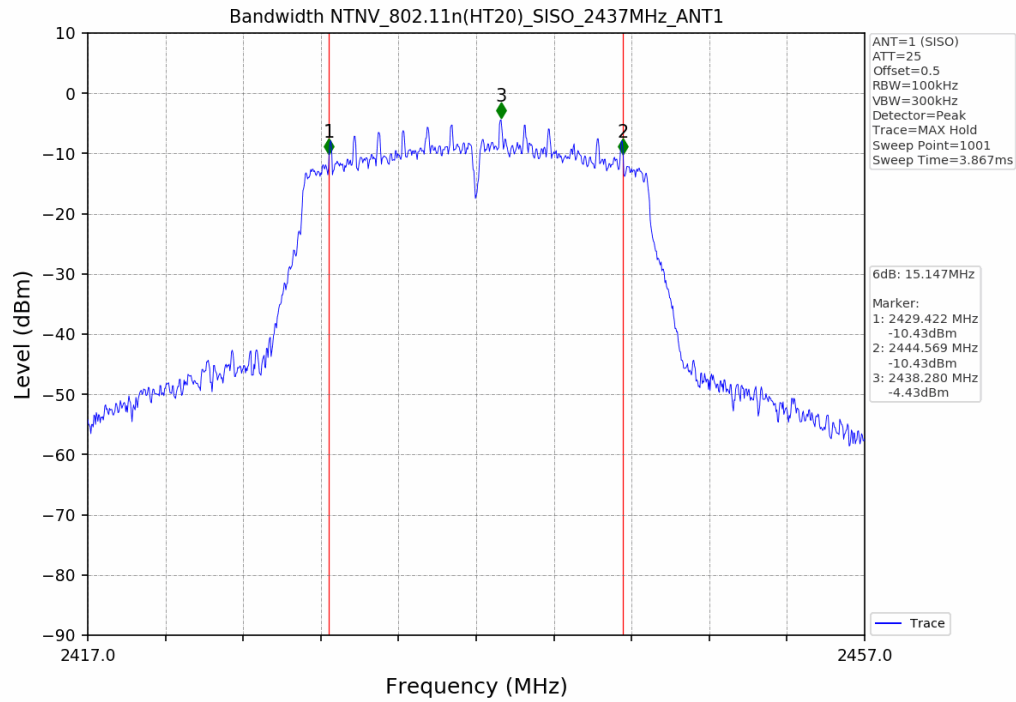
2.2 Test Graph - 6dB Bandwidth

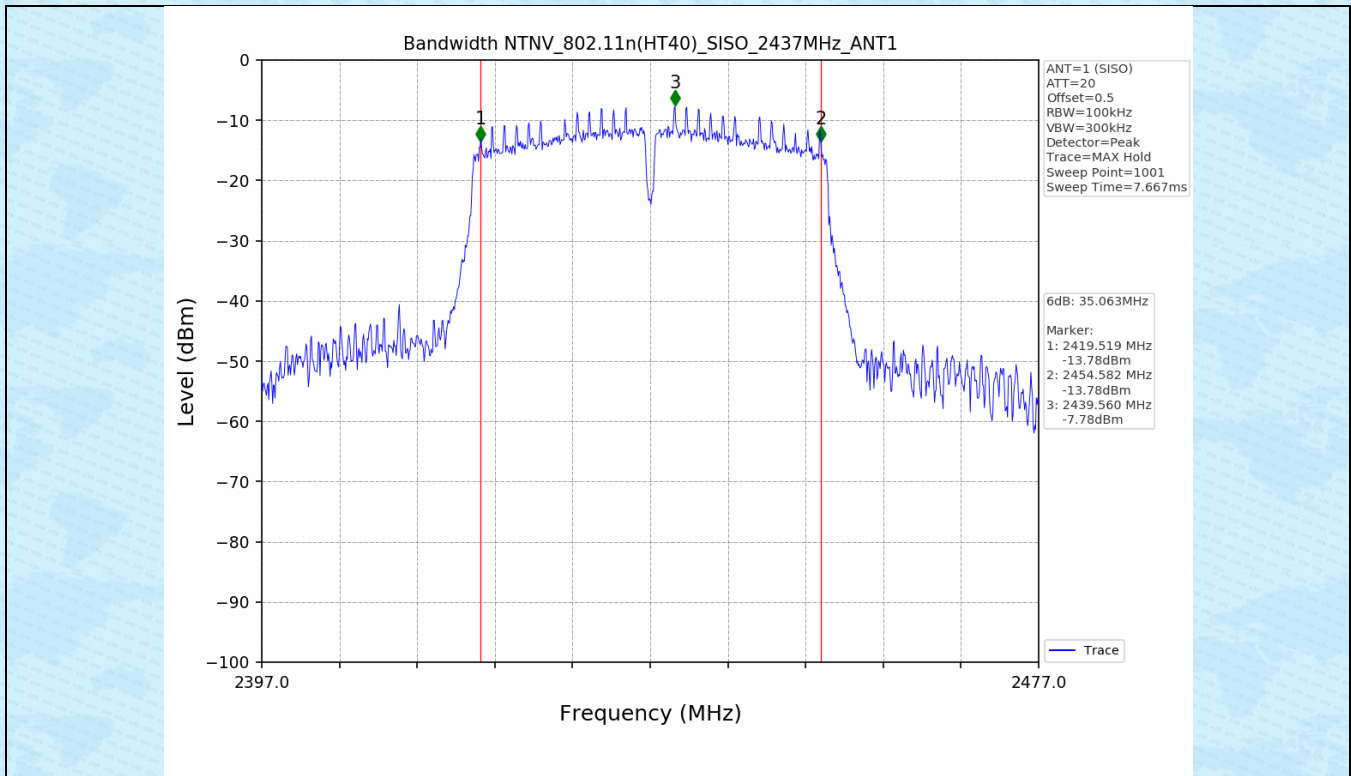
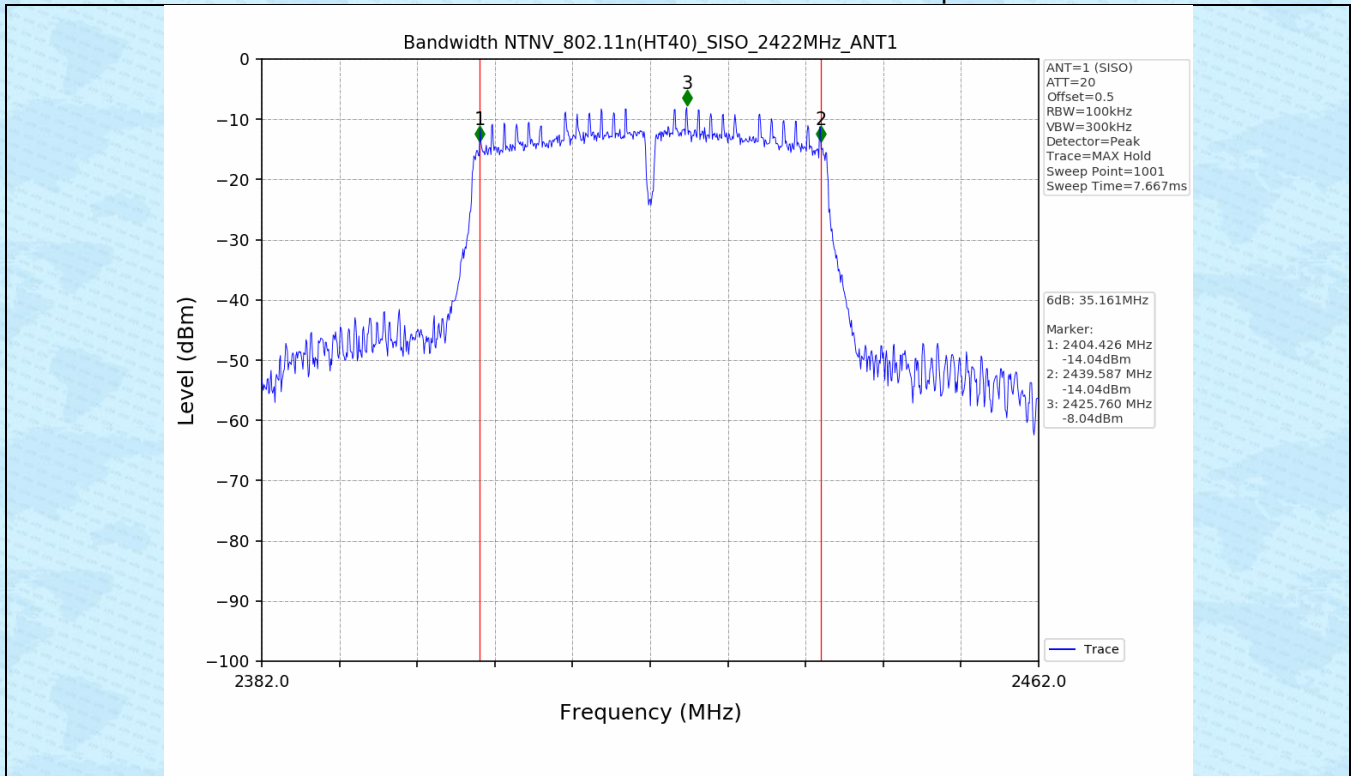


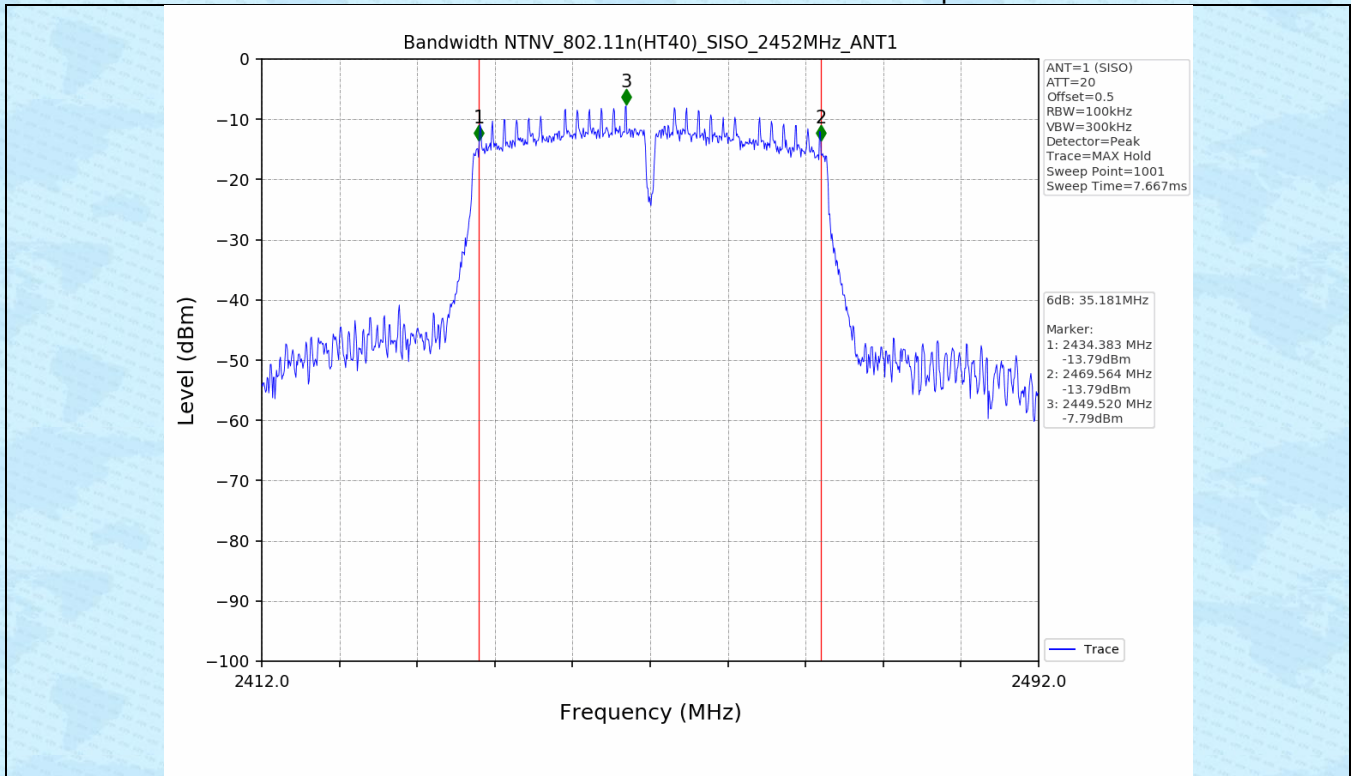




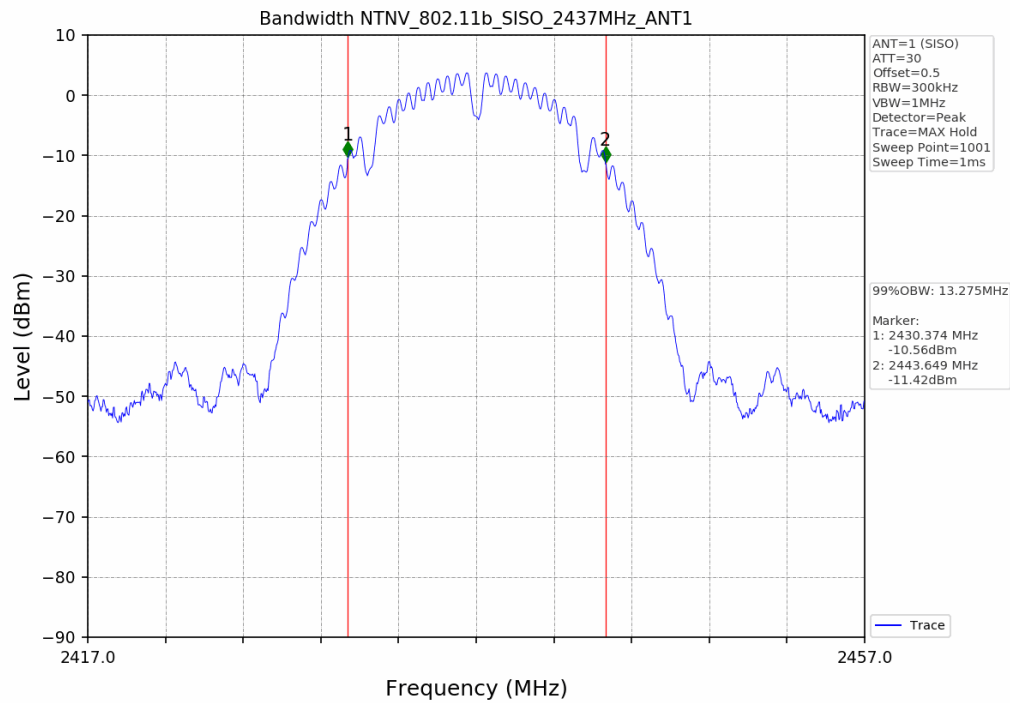
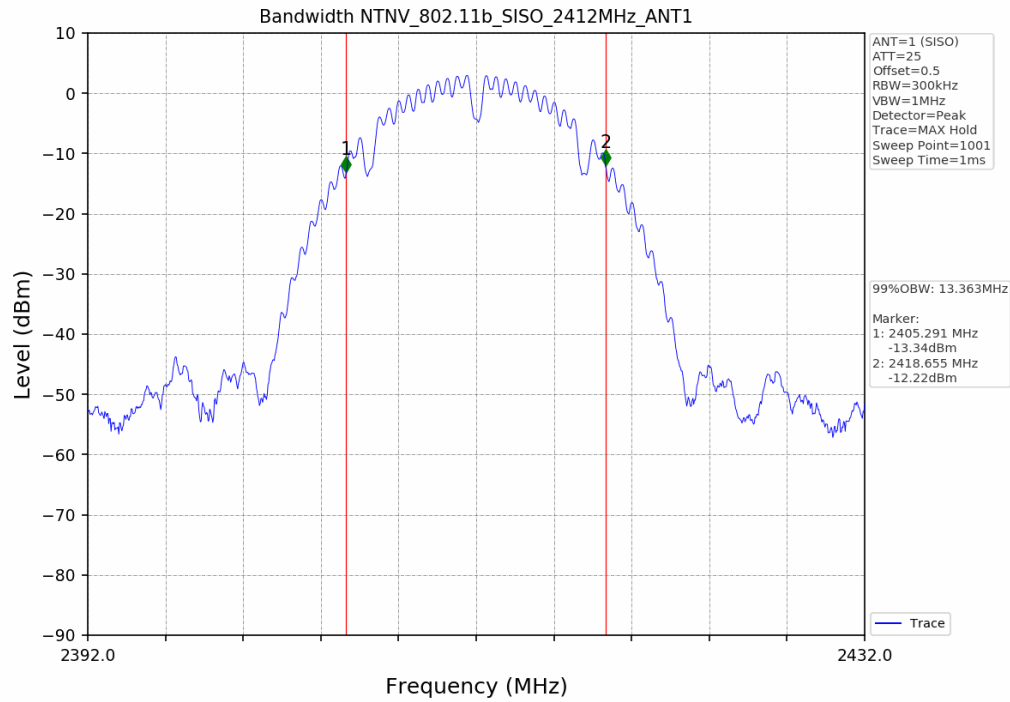


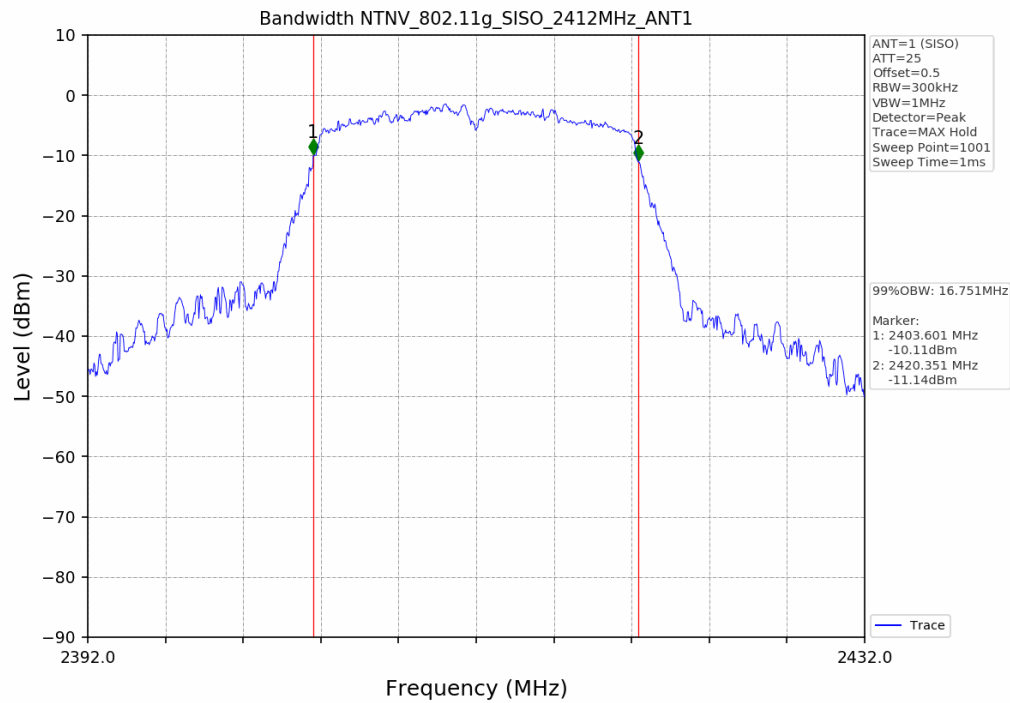
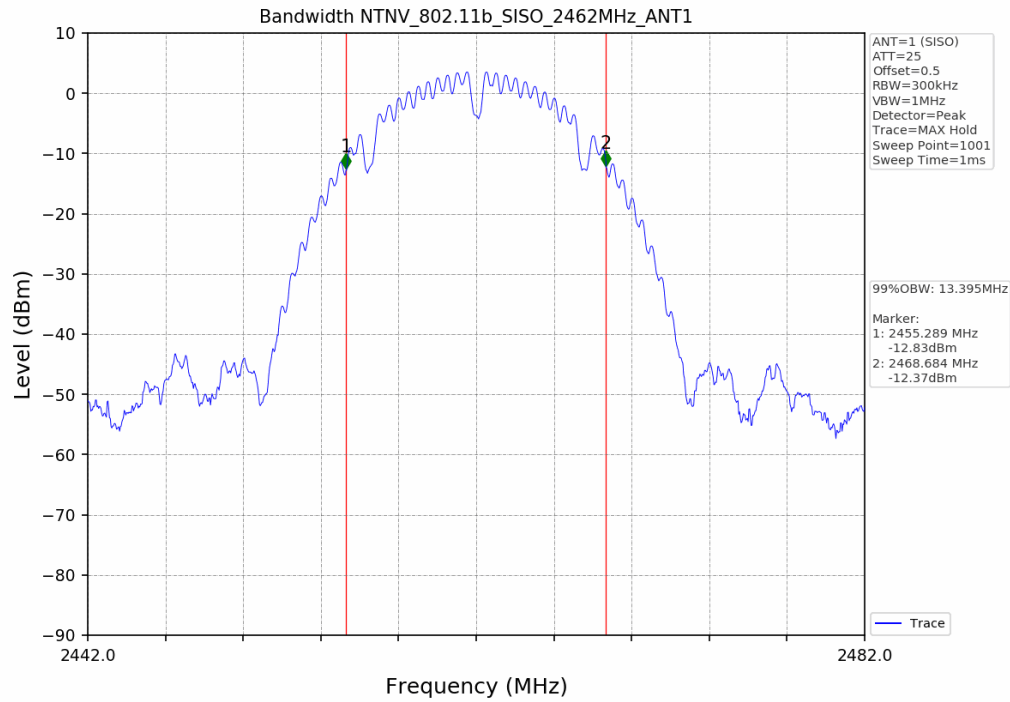


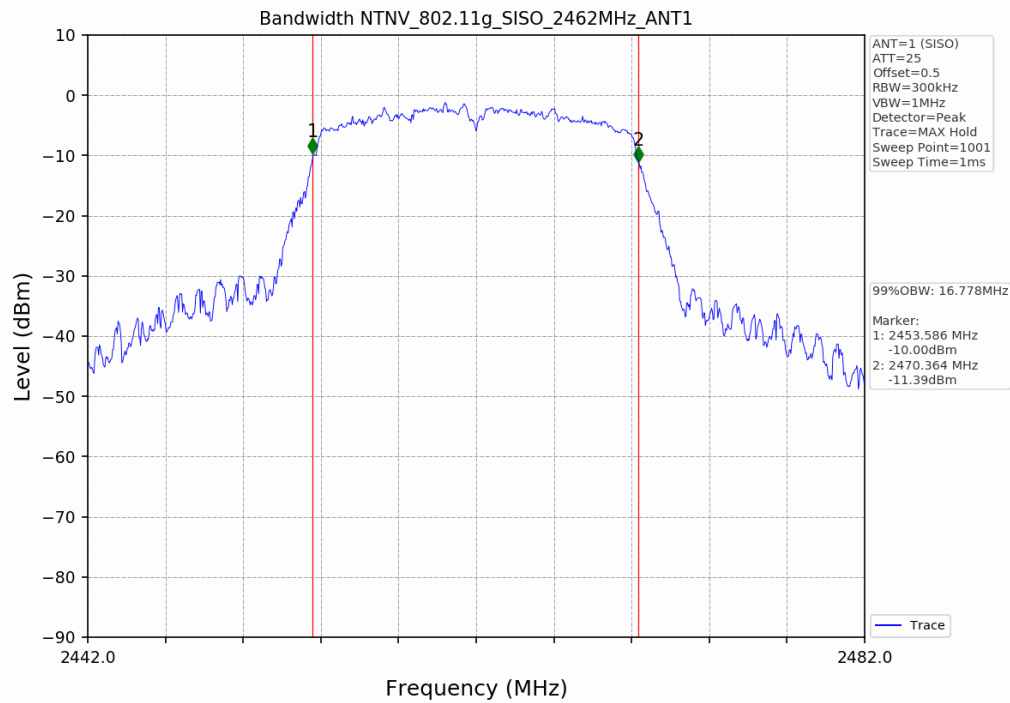
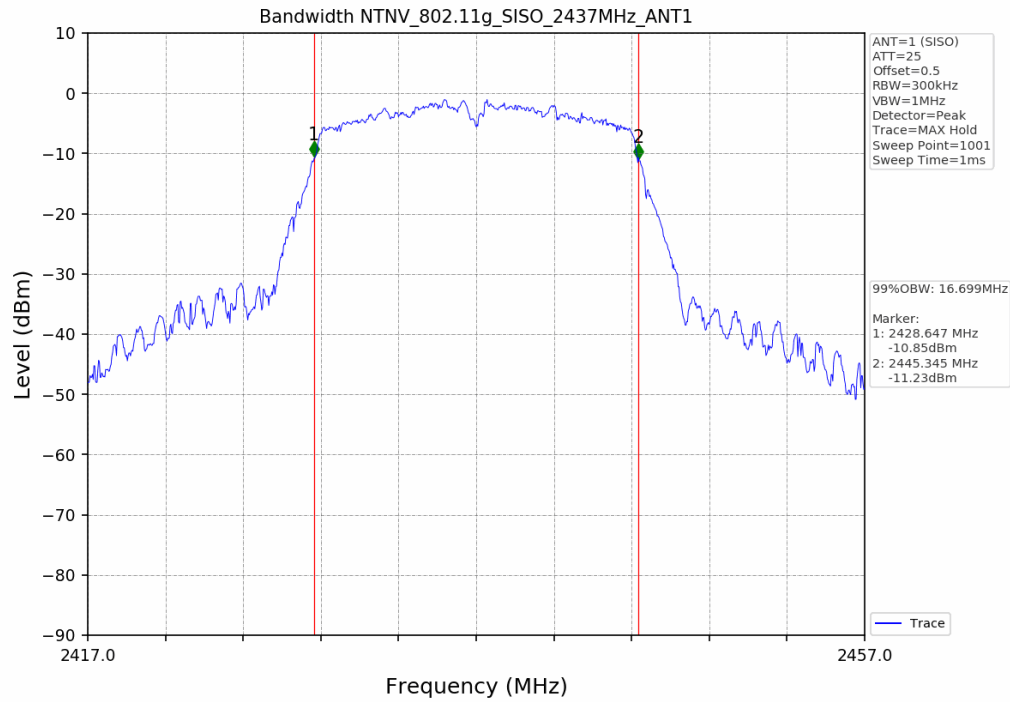


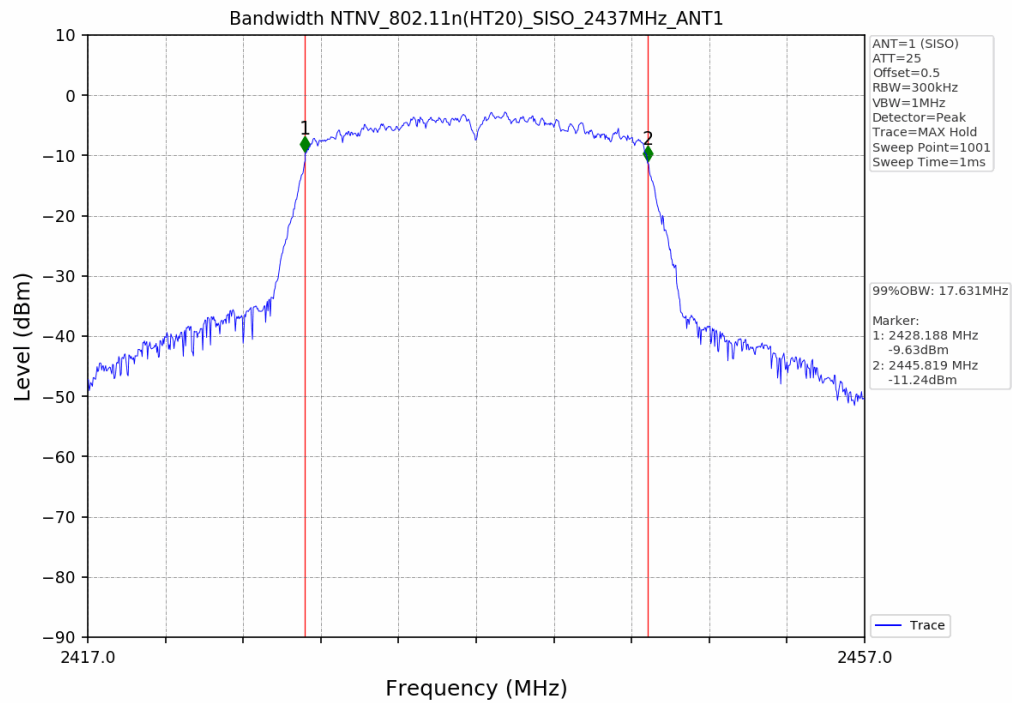
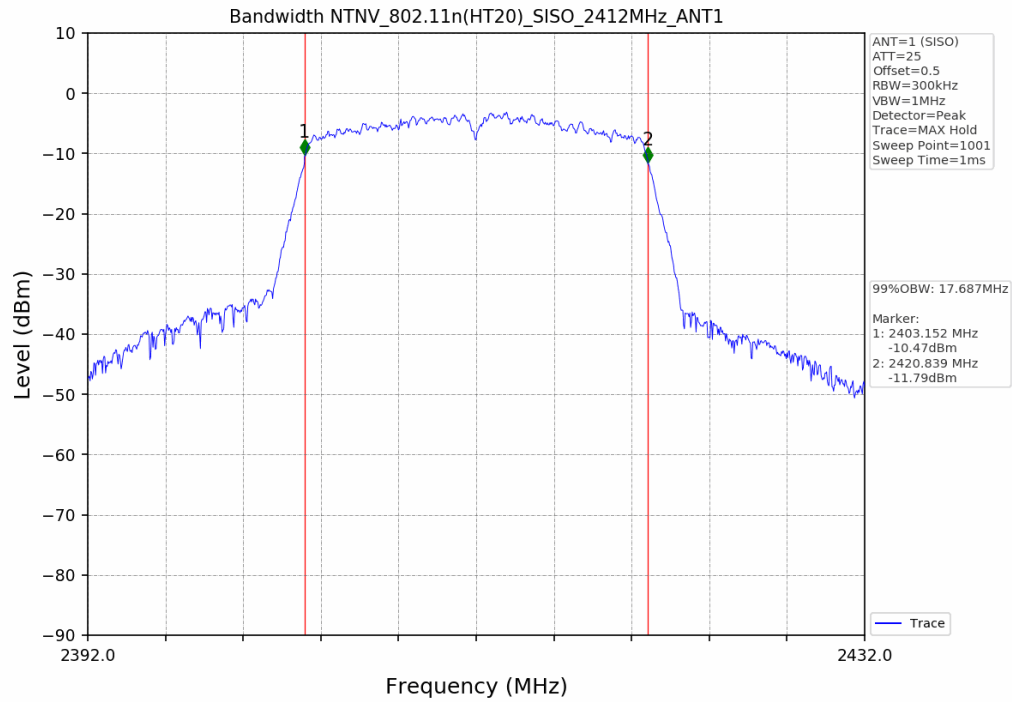


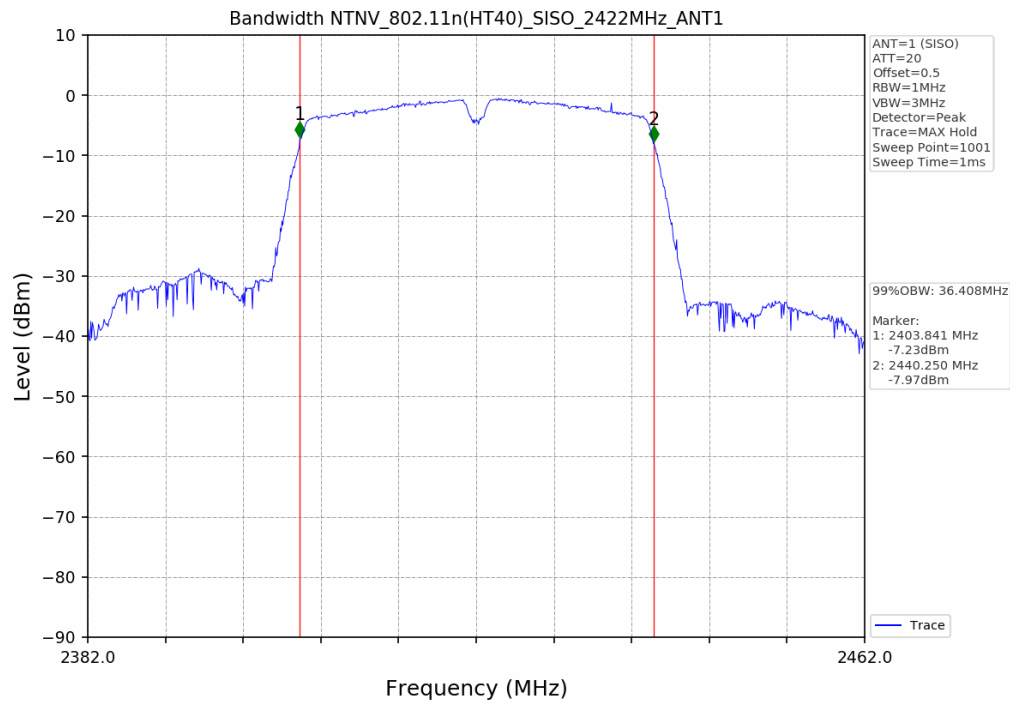
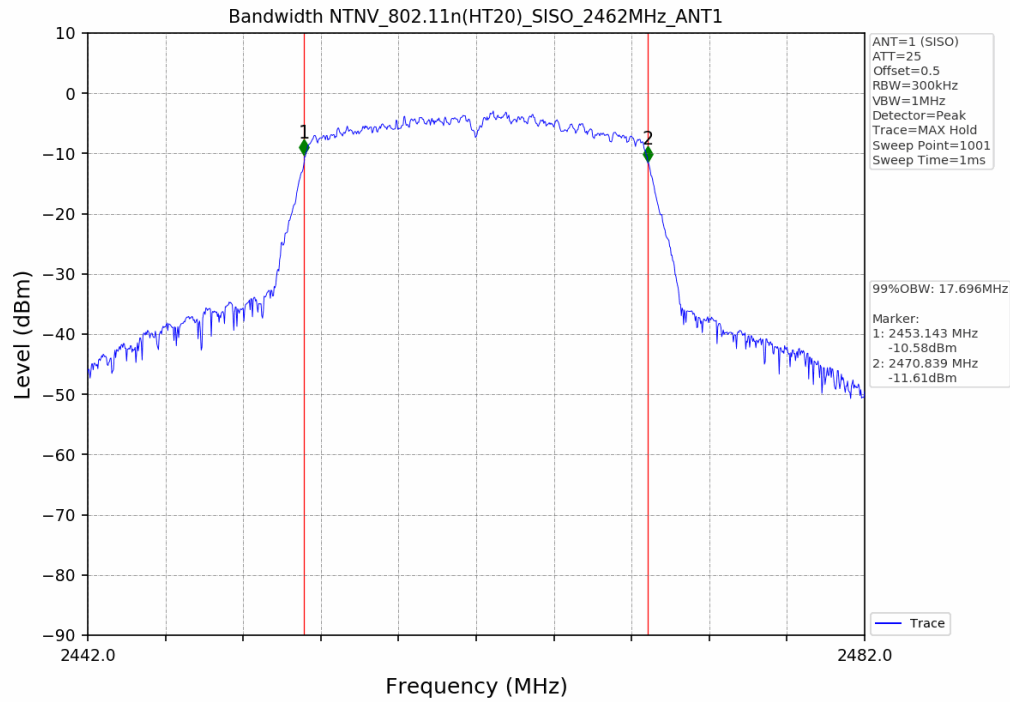
2.3 Test Graph - 99% Occupied Bandwidth

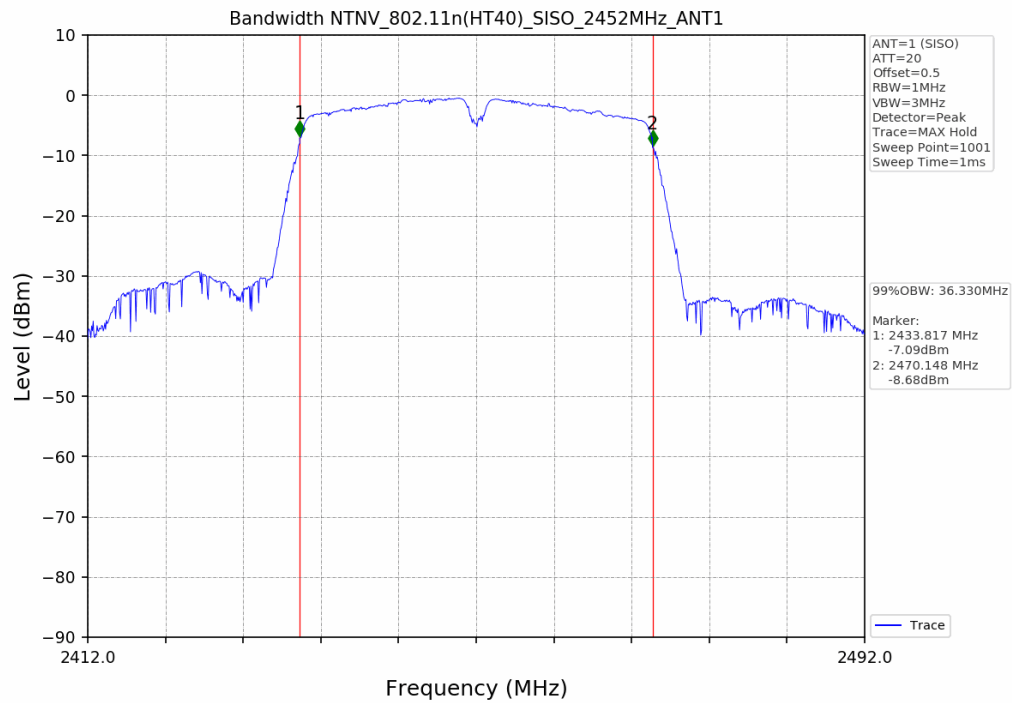
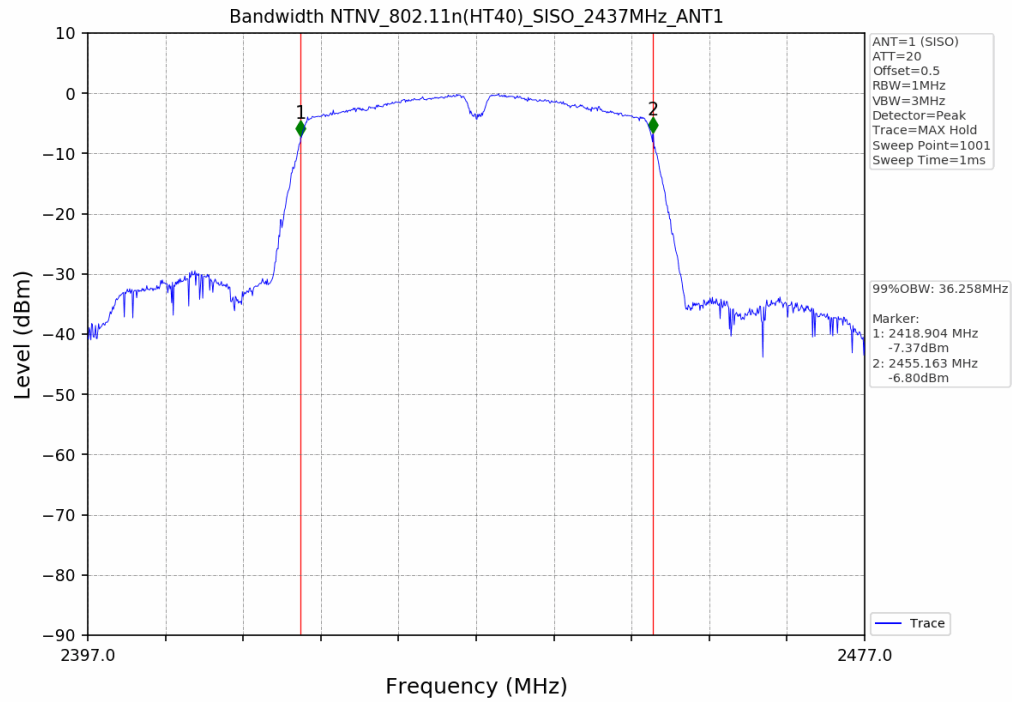












3. Maximum Conducted Output Power

3.1 Test Result

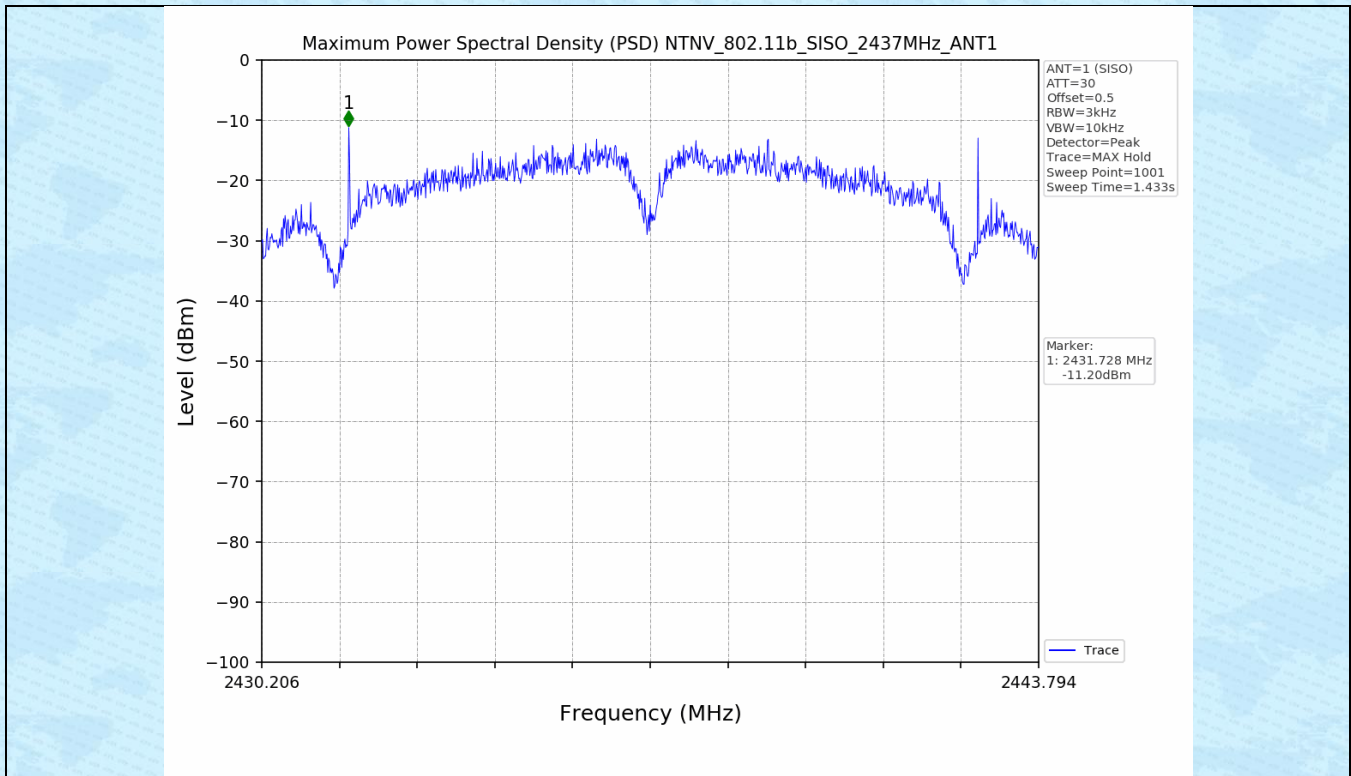
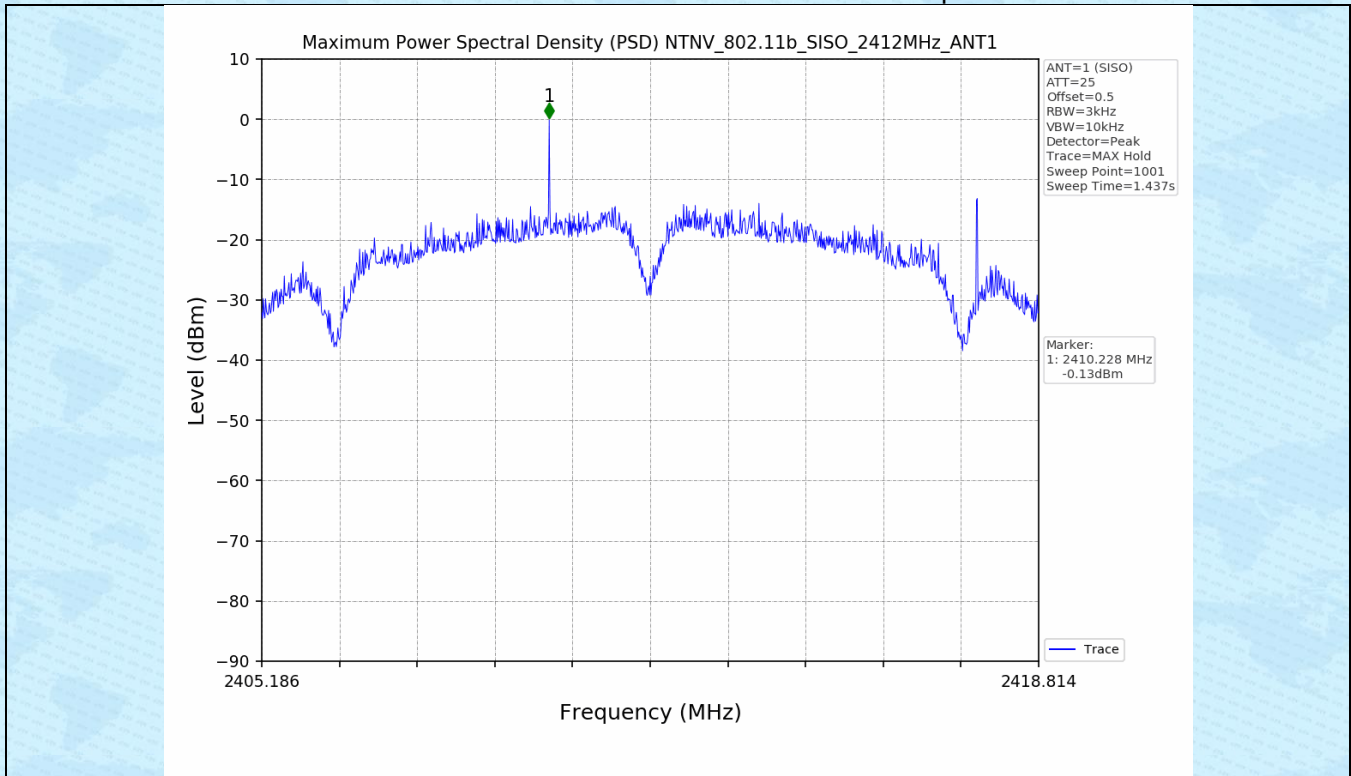
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	13.69	30	PASS
	2437	SISO	14.12	30	PASS
	2462	SISO	14.00	30	PASS
802.11g	2412	SISO	14.28	30	PASS
	2437	SISO	14.43	30	PASS
	2462	SISO	14.49	30	PASS
802.11n(HT20)	2412	SISO	12.64	30	PASS
	2437	SISO	12.85	30	PASS
	2462	SISO	12.57	30	PASS
802.11n(HT40)	2422	SISO	13.01	30	PASS
	2437	SISO	13.09	30	PASS
	2452	SISO	13.09	30	PASS

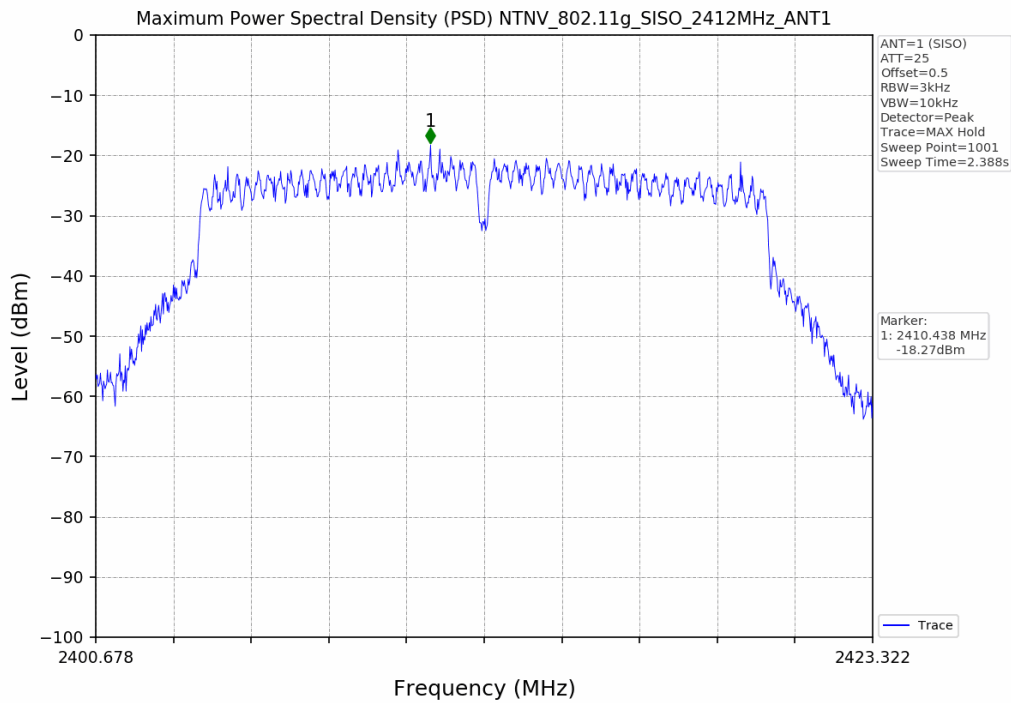
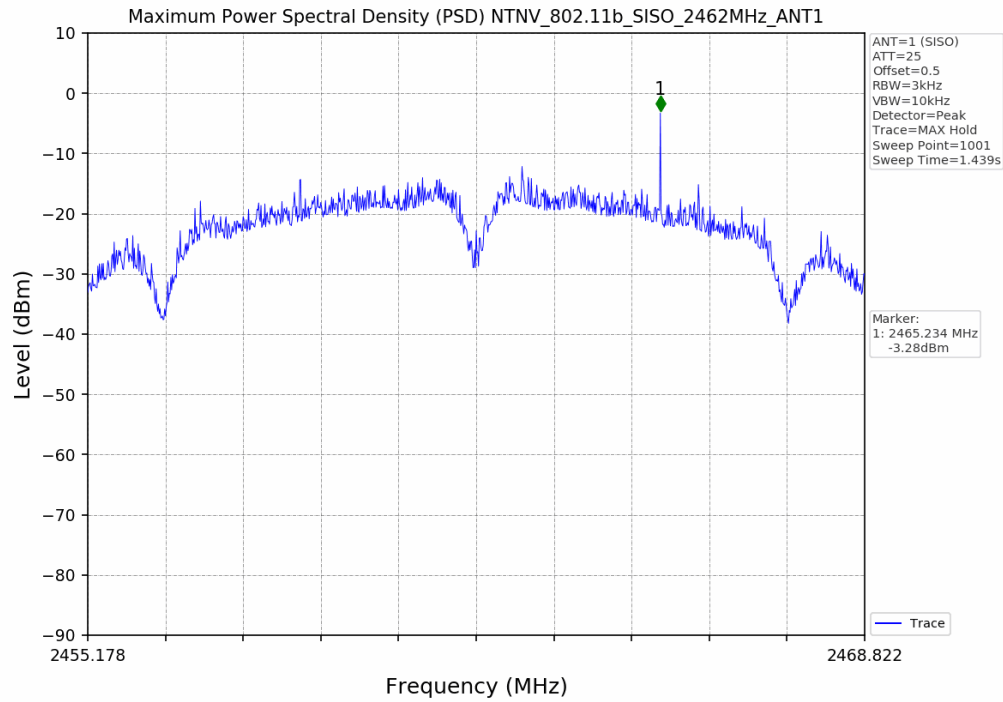
4. Maximum Power Spectral Density (PSD)

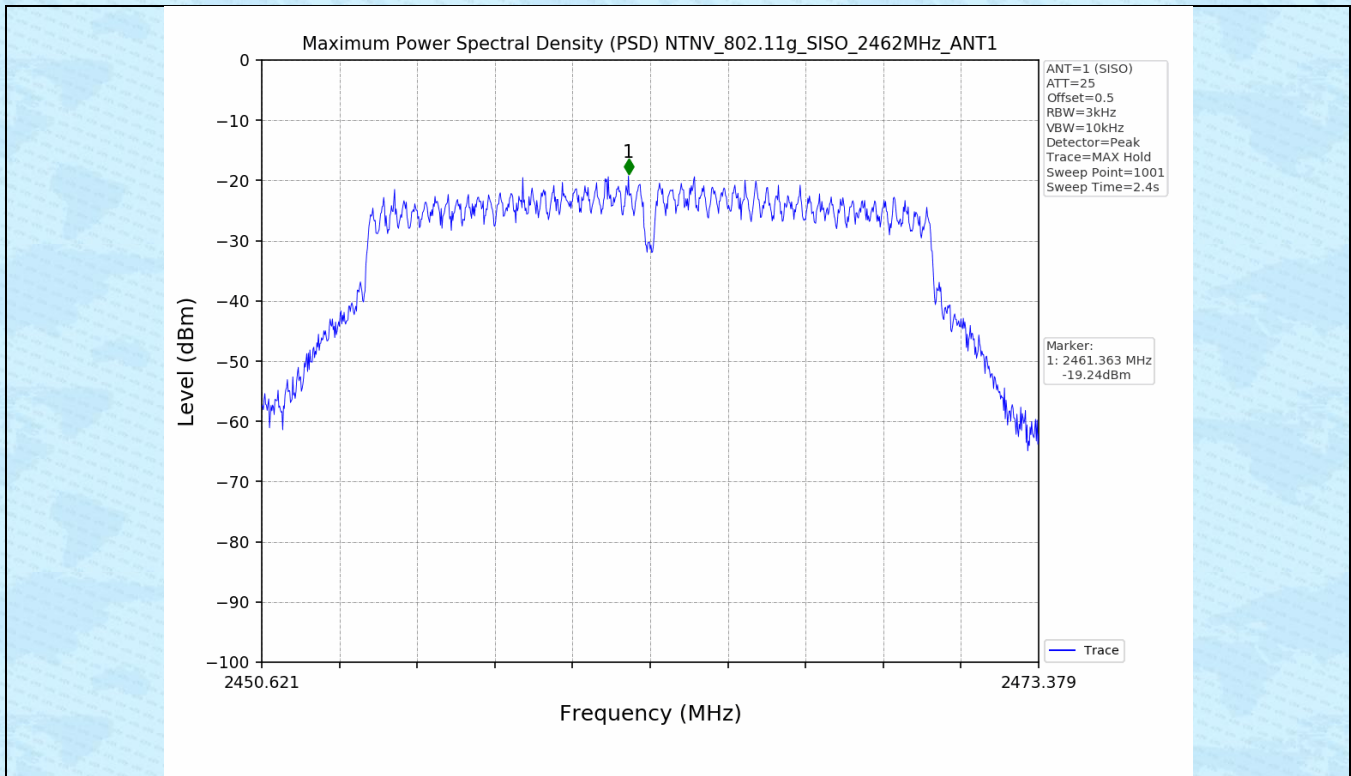
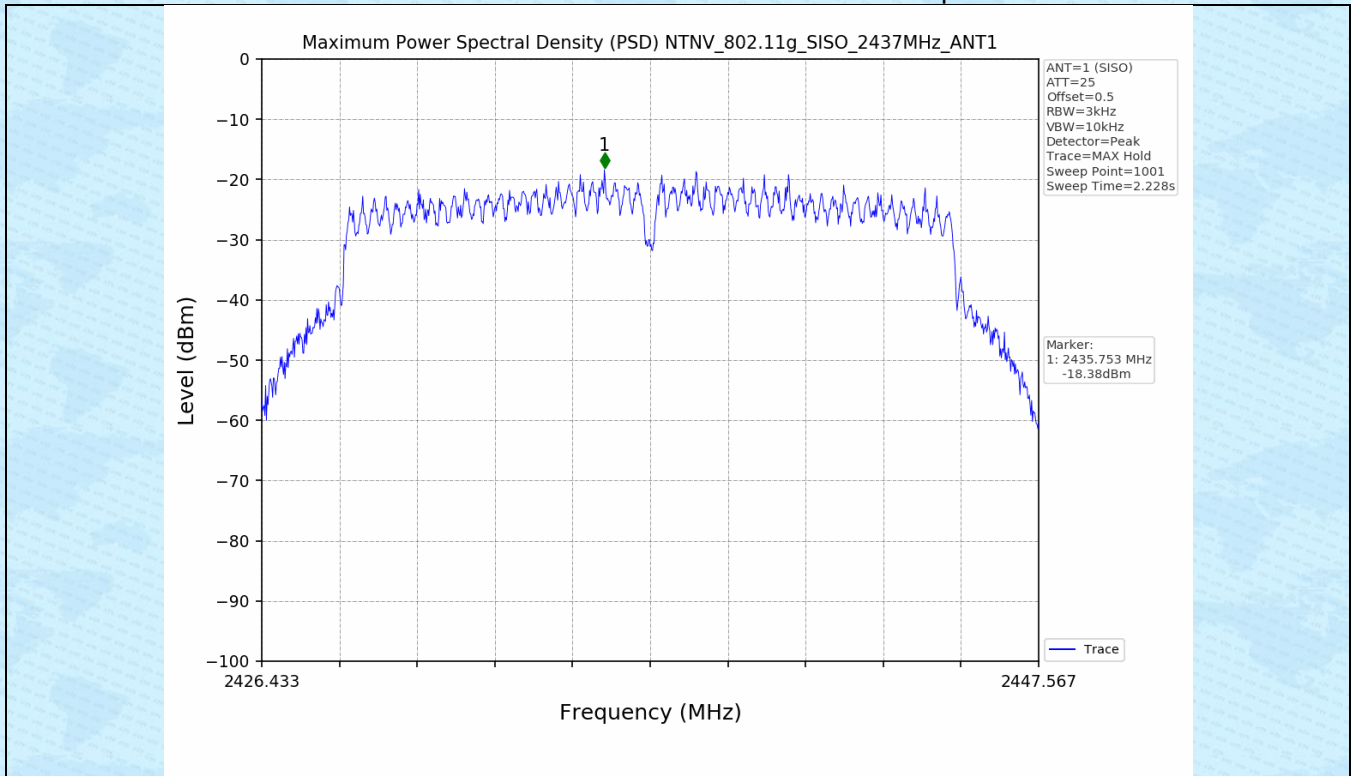
4.1 Test Result

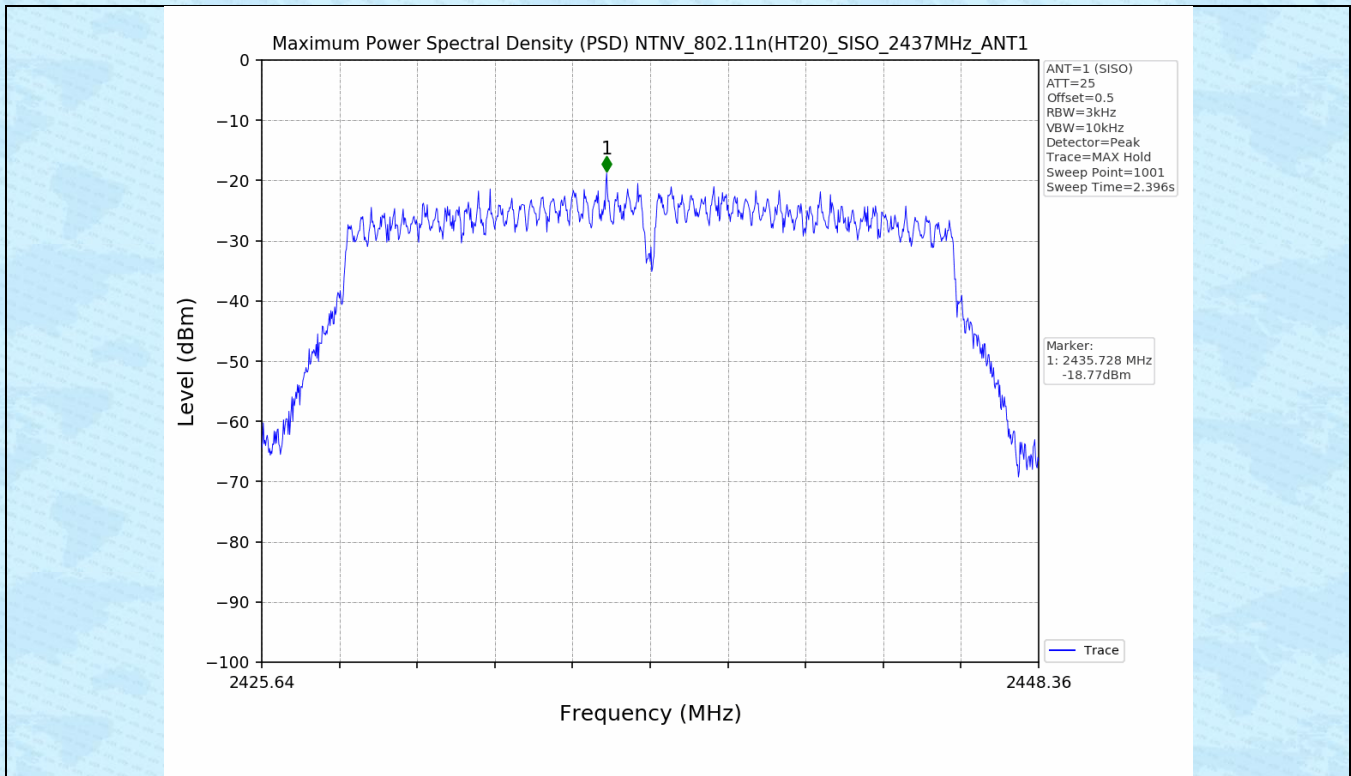
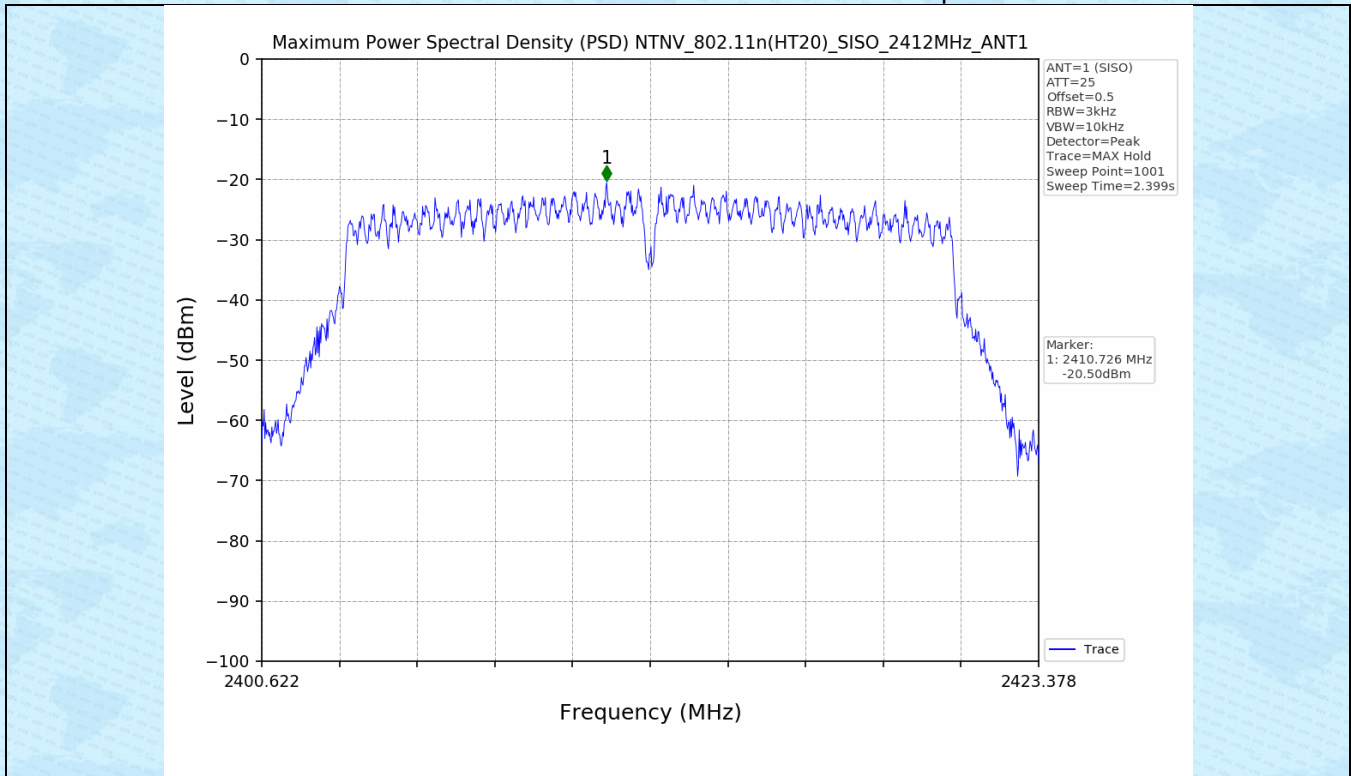
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3KHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-0.13	≤8	PASS
	2437	SISO	-11.20	≤8	PASS
	2462	SISO	-3.28	≤8	PASS
802.11g	2412	SISO	-18.27	≤8	PASS
	2437	SISO	-18.38	≤8	PASS
	2462	SISO	-19.24	≤8	PASS
802.11n(HT20)	2412	SISO	-20.50	≤8	PASS
	2437	SISO	-18.77	≤8	PASS
	2462	SISO	-21.32	≤8	PASS
802.11n(HT40)	2422	SISO	-23.65	≤8	PASS
	2437	SISO	-23.01	≤8	PASS
	2452	SISO	-23.17	≤8	PASS

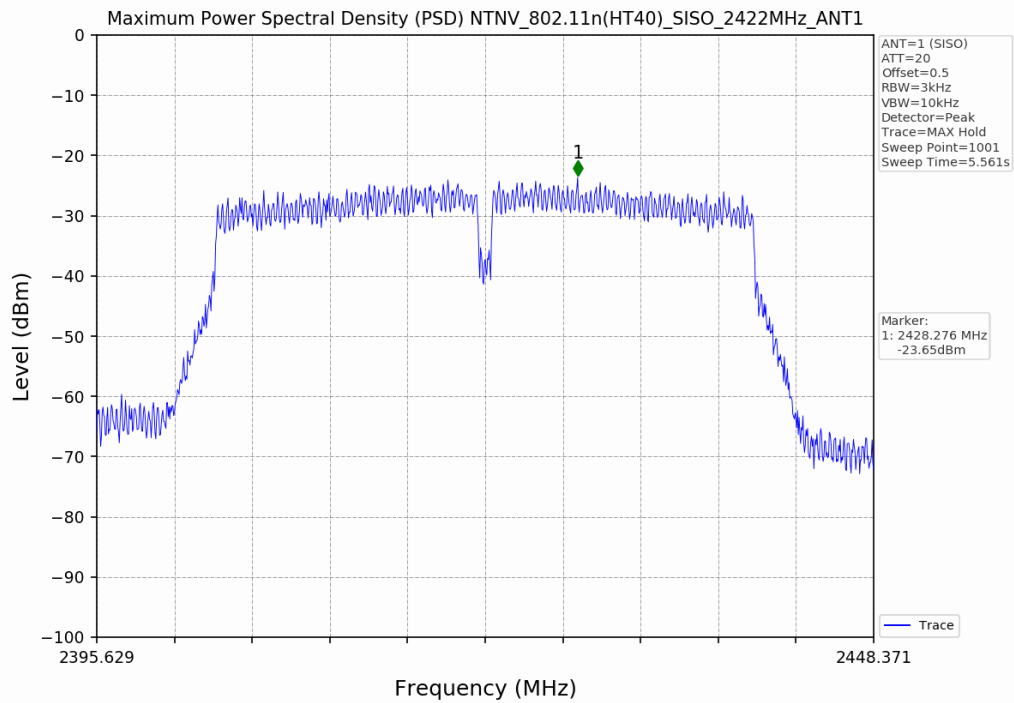
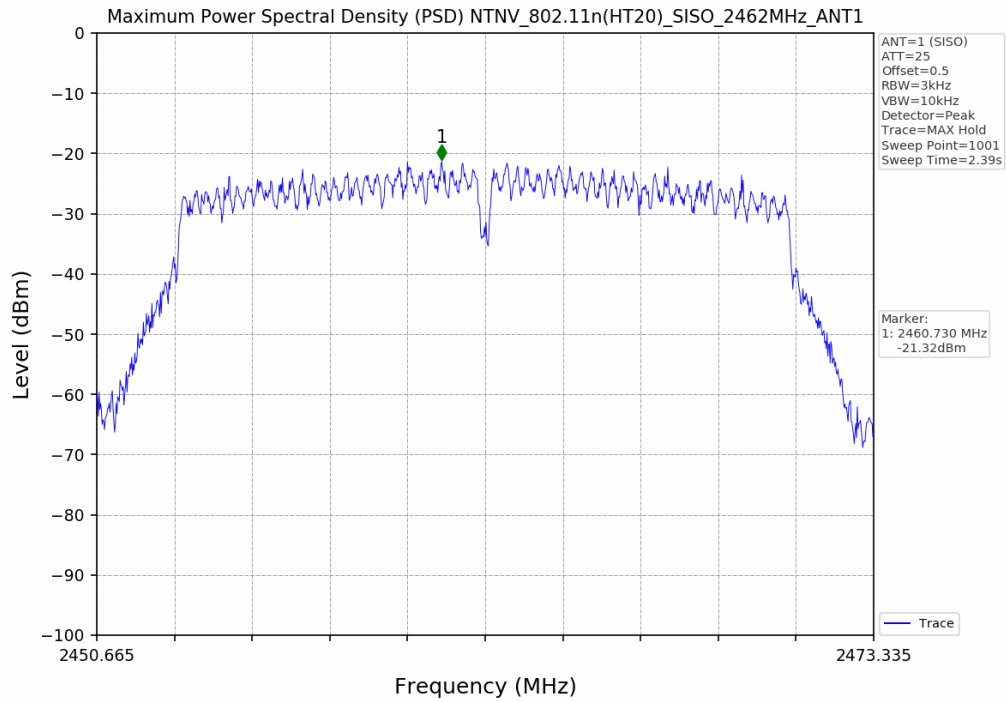
4.2 Test Graph

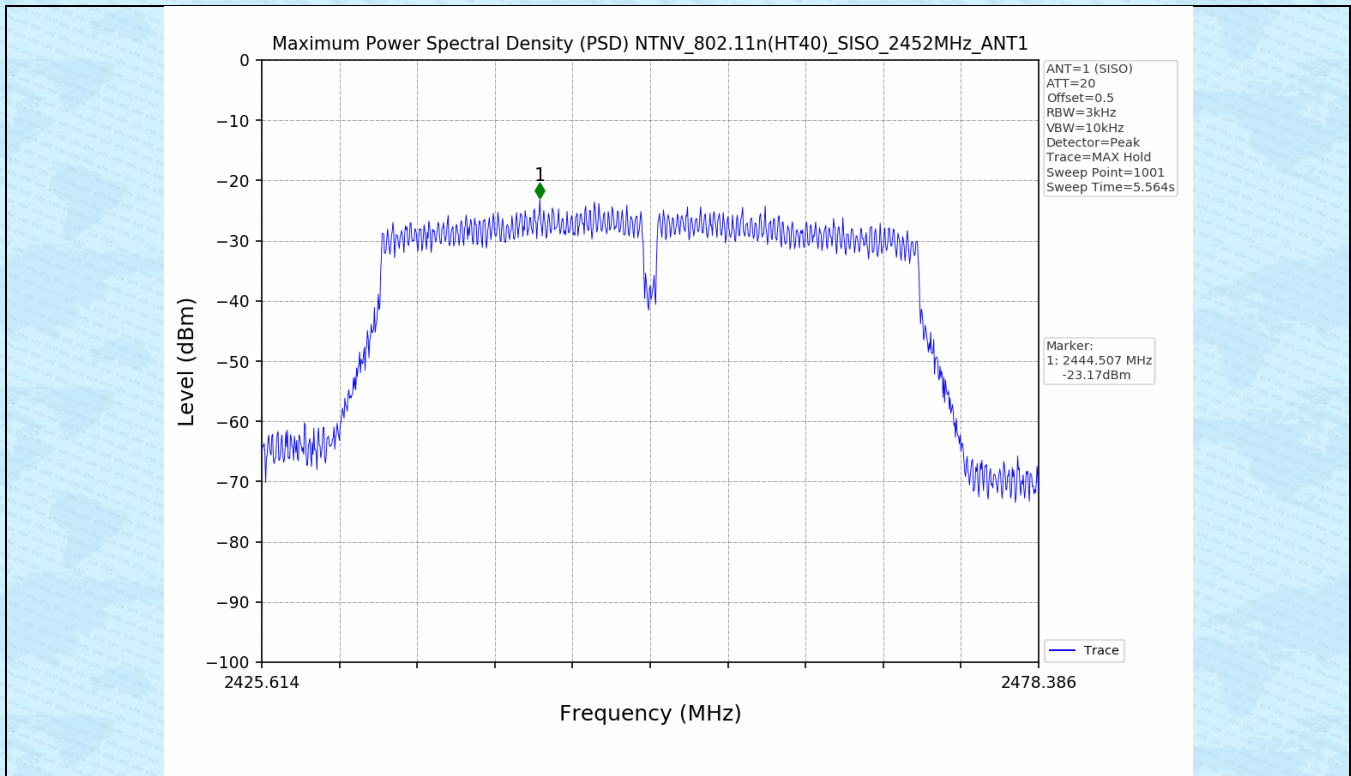
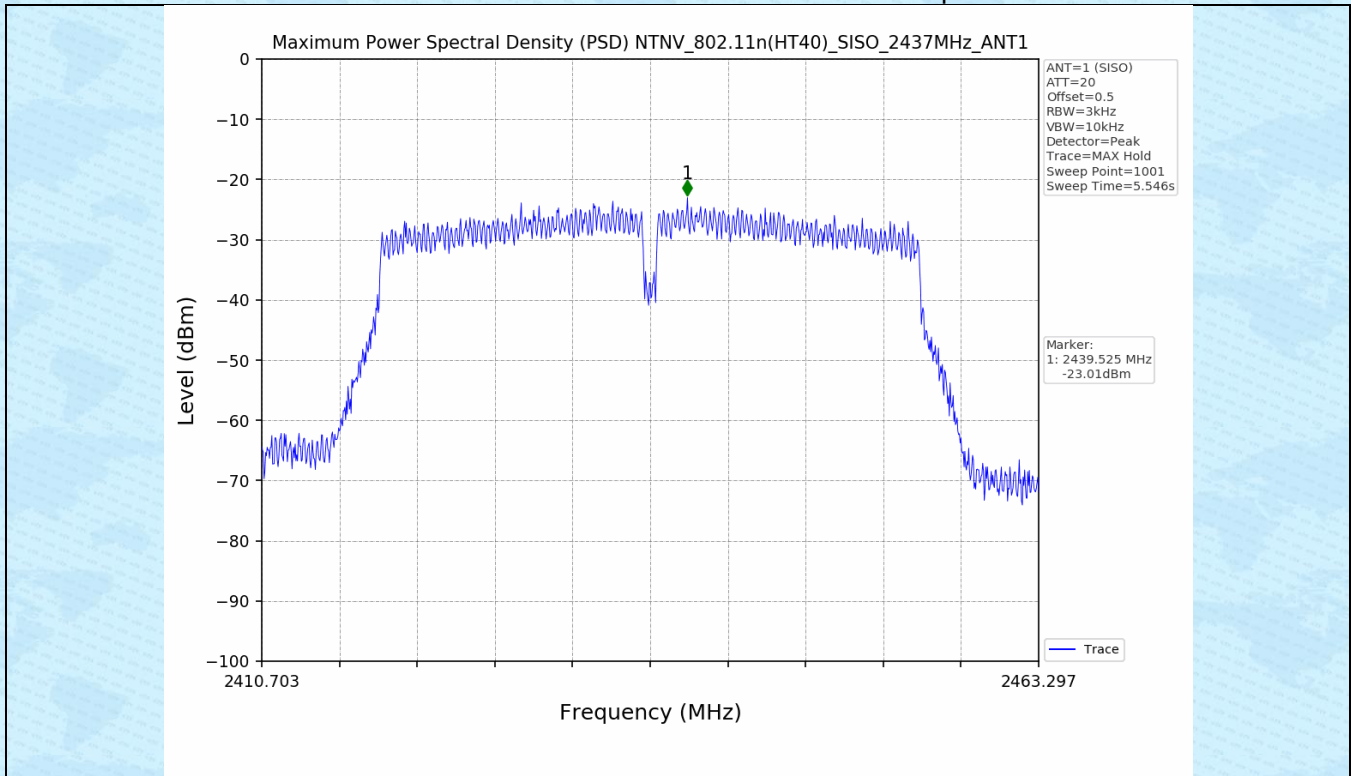










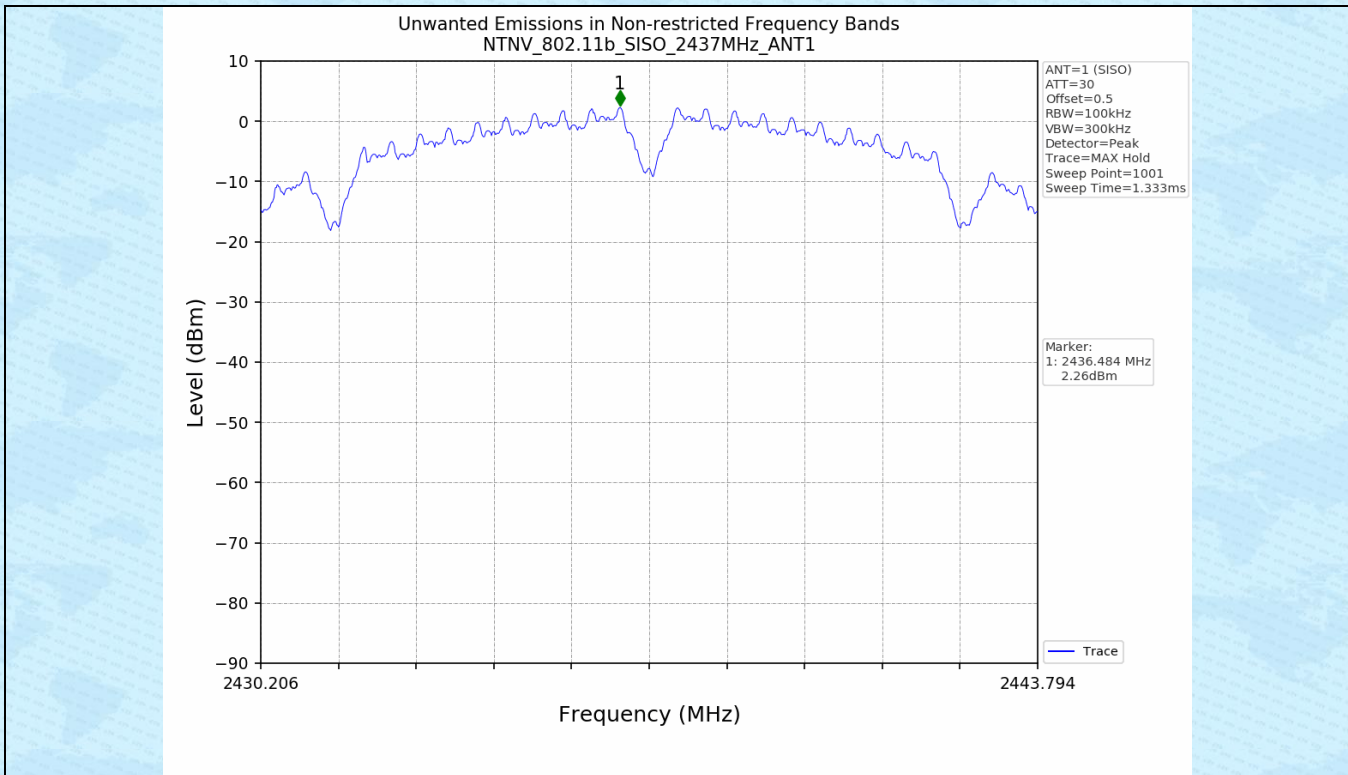


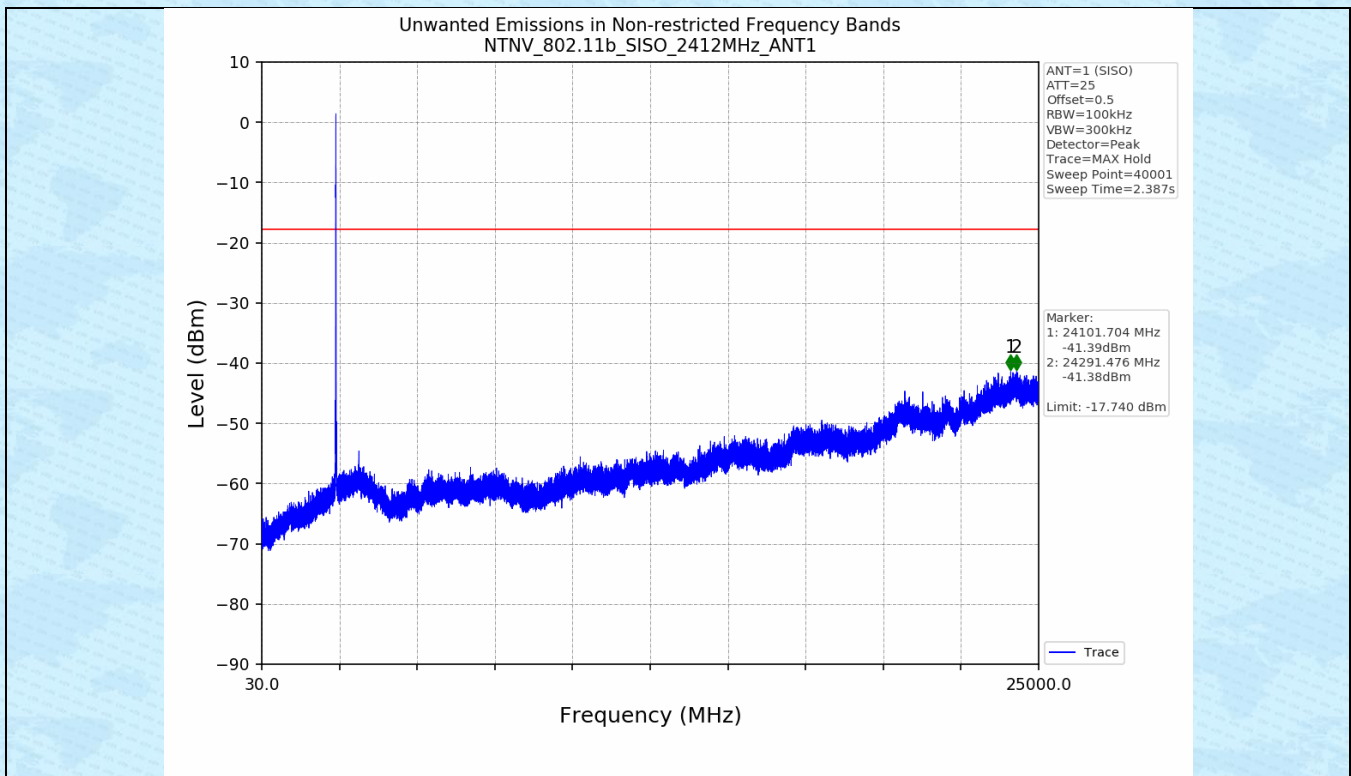
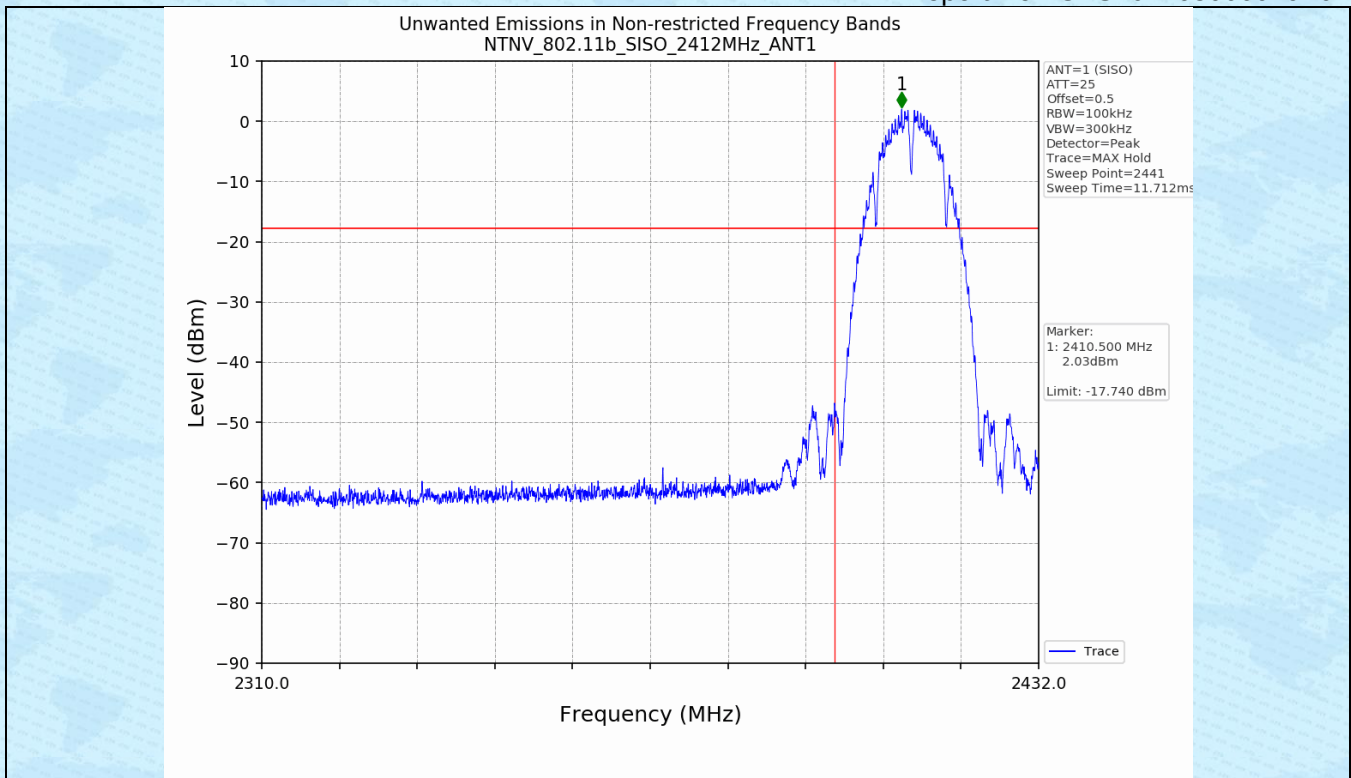
5. Unwanted Emissions in Non-restricted Frequency Bands

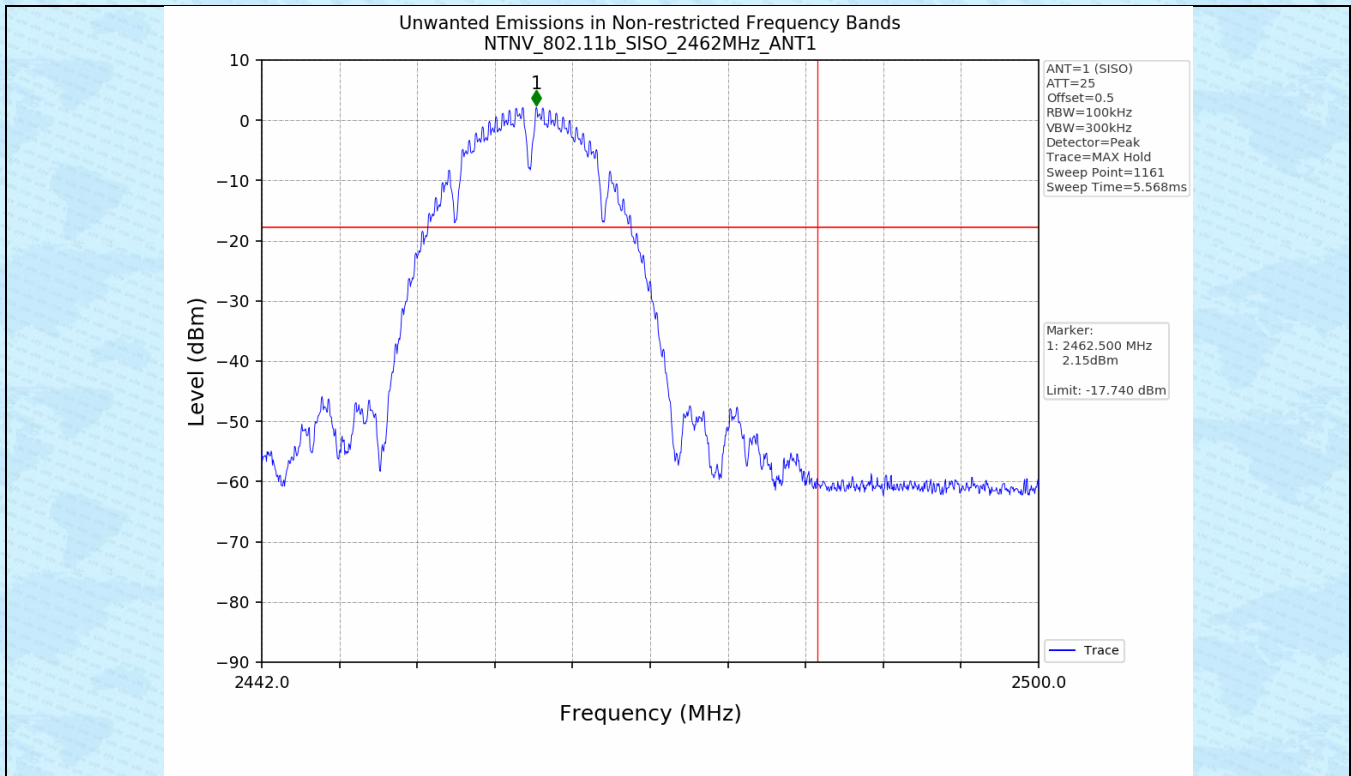
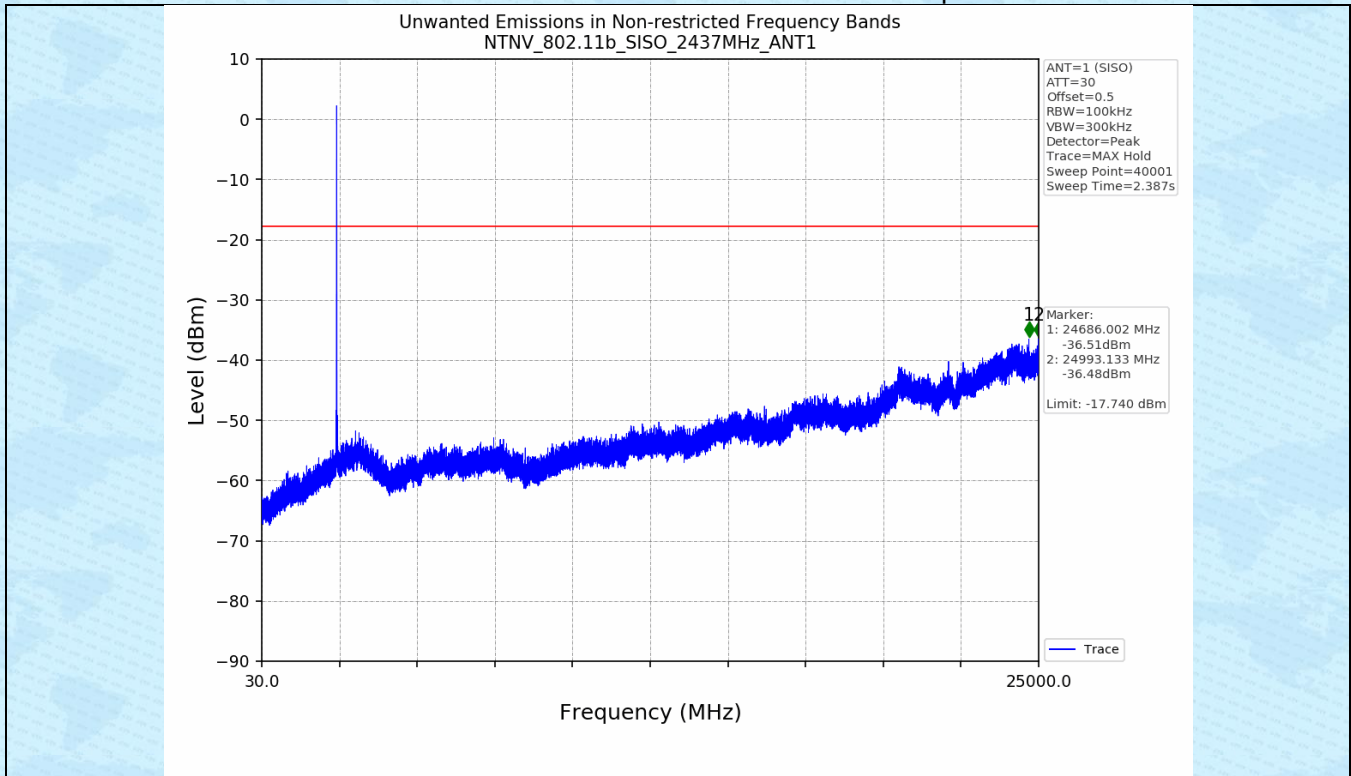
5.1 Test Result

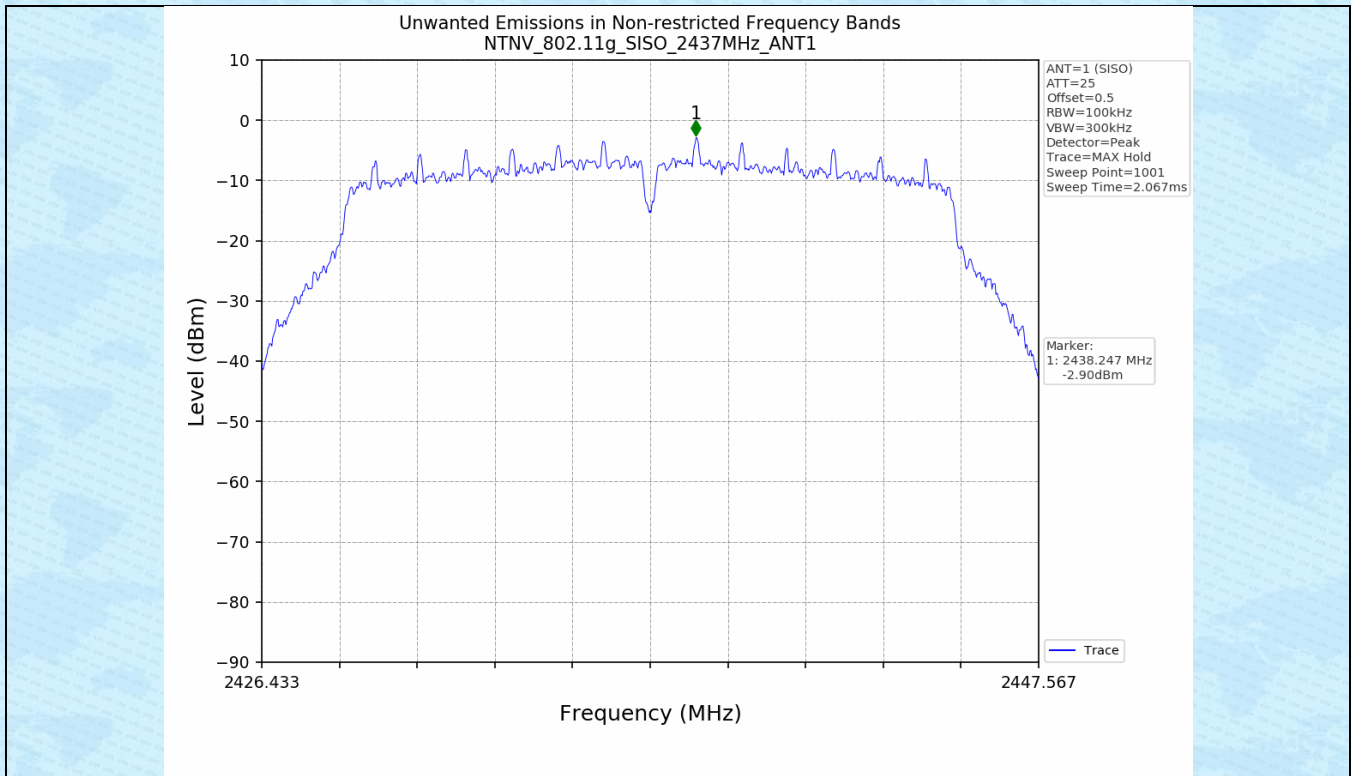
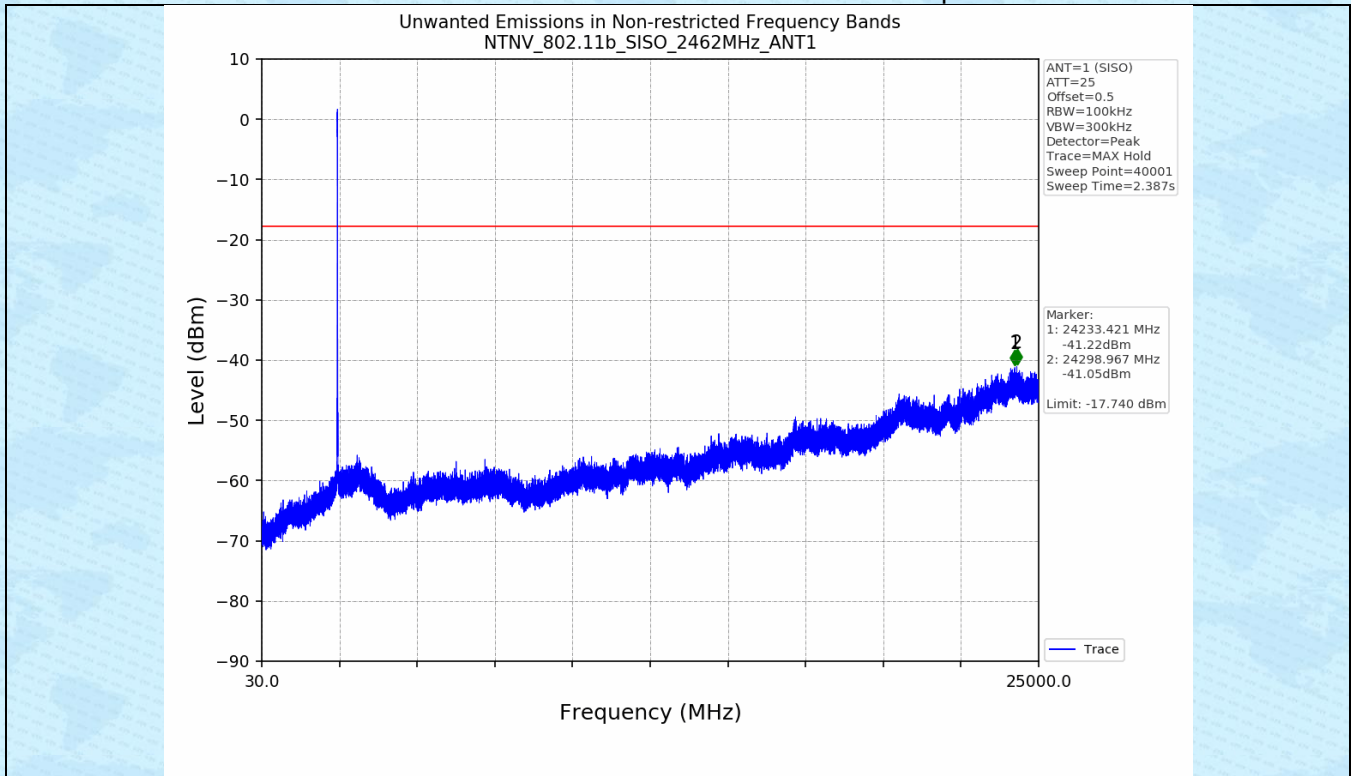
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-17.74	PASS
	2437	SISO	1	Refer to test graph	-17.74	PASS
	2462	SISO	1	Refer to test graph	-17.74	PASS
802.11g	2412	SISO	1	Refer to test graph	-22.90	PASS
	2437	SISO	1	Refer to test graph	-22.90	PASS
	2462	SISO	1	Refer to test graph	-22.90	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-24.37	PASS
	2437	SISO	1	Refer to test graph	-24.37	PASS
	2462	SISO	1	Refer to test graph	-24.37	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-27.70	PASS
	2437	SISO	1	Refer to test graph	-27.70	PASS
	2452	SISO	1	Refer to test graph	-27.70	PASS

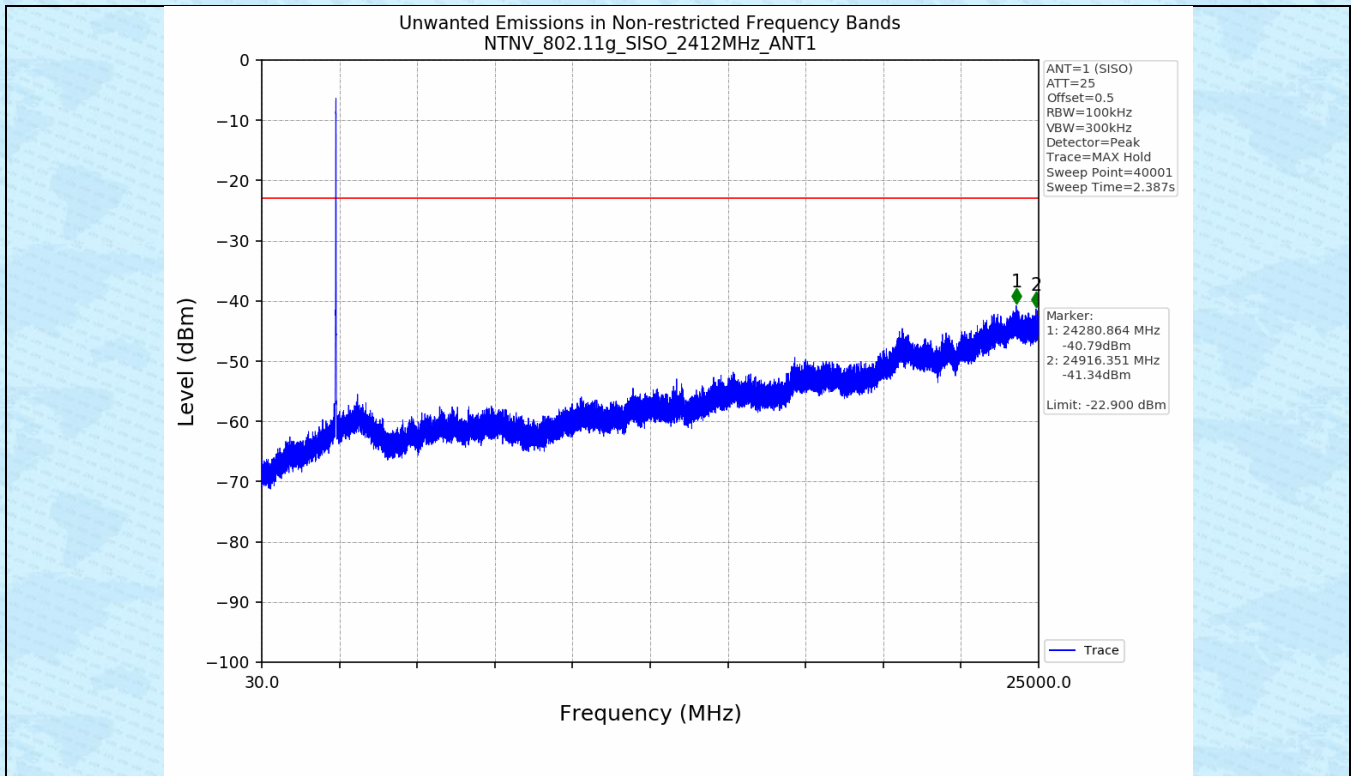
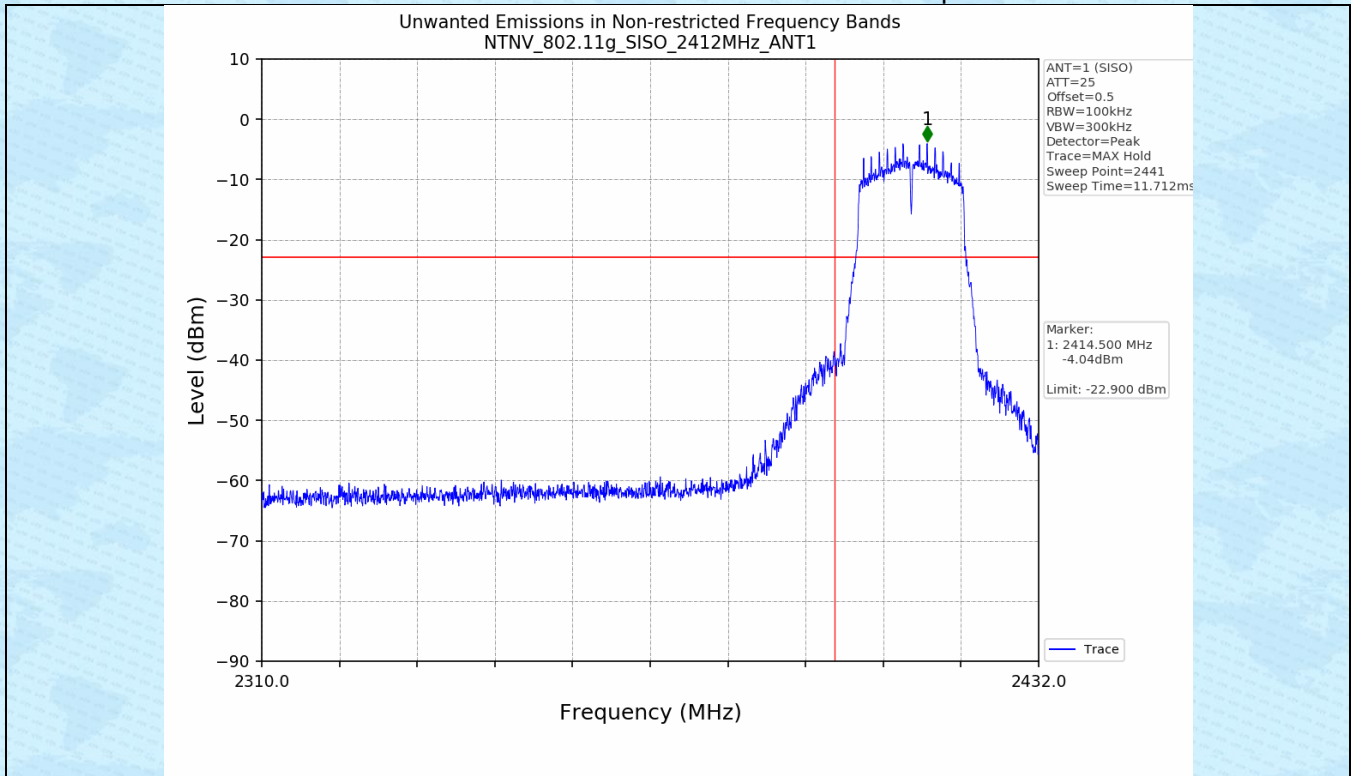
5.2 Test Graph

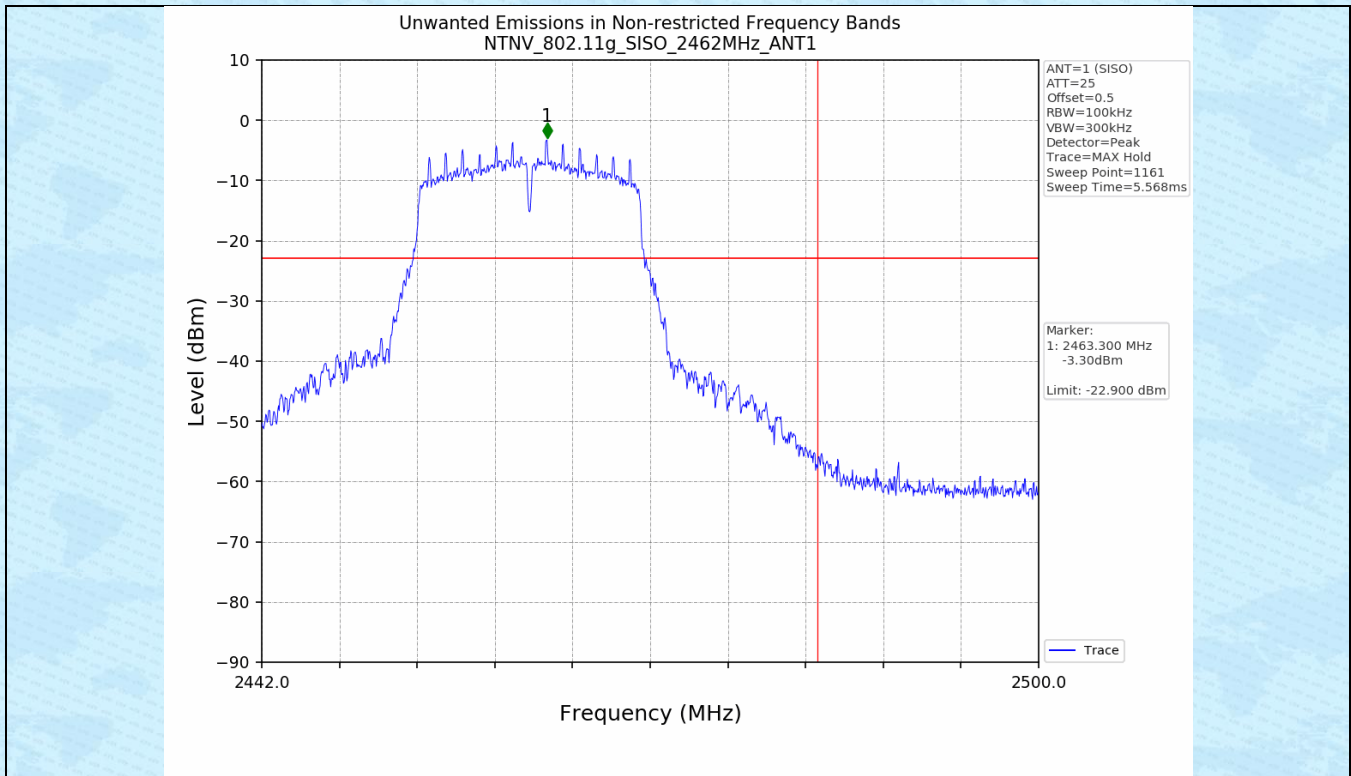
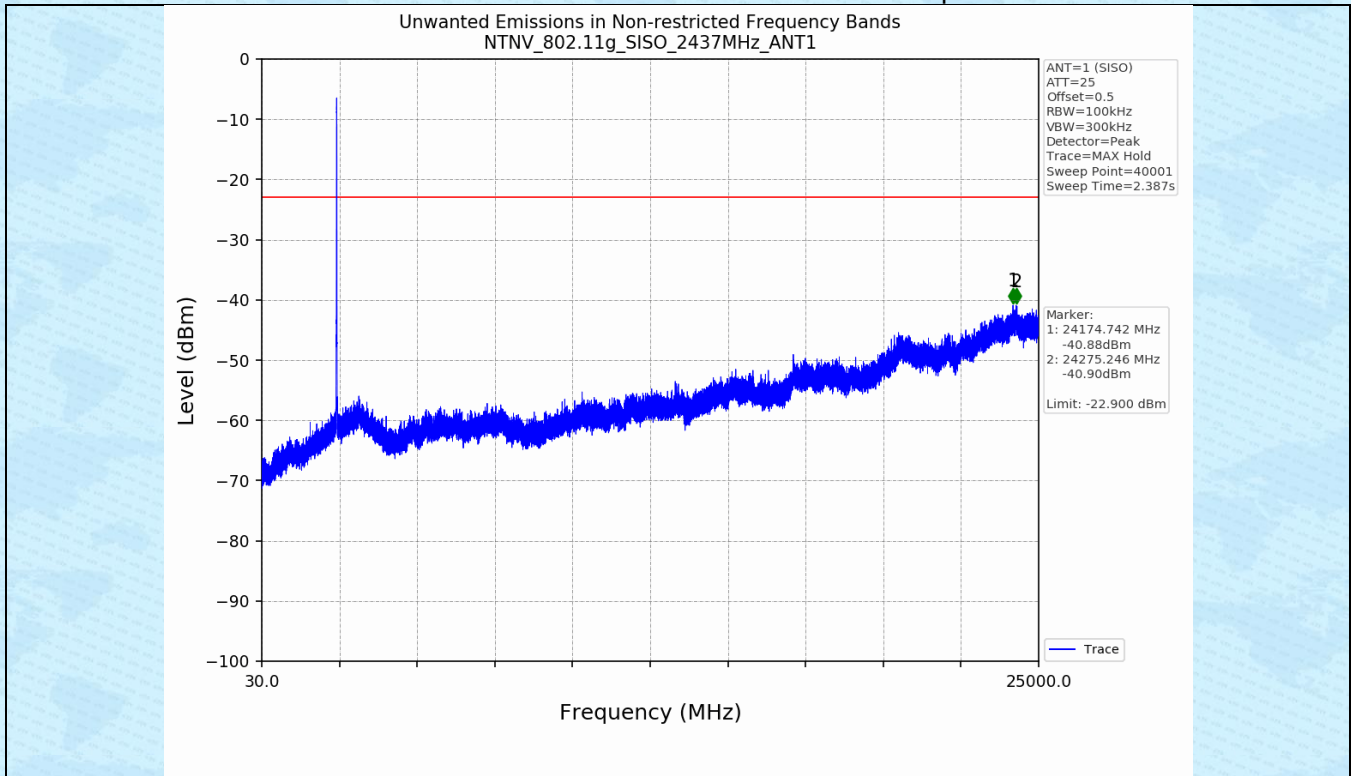


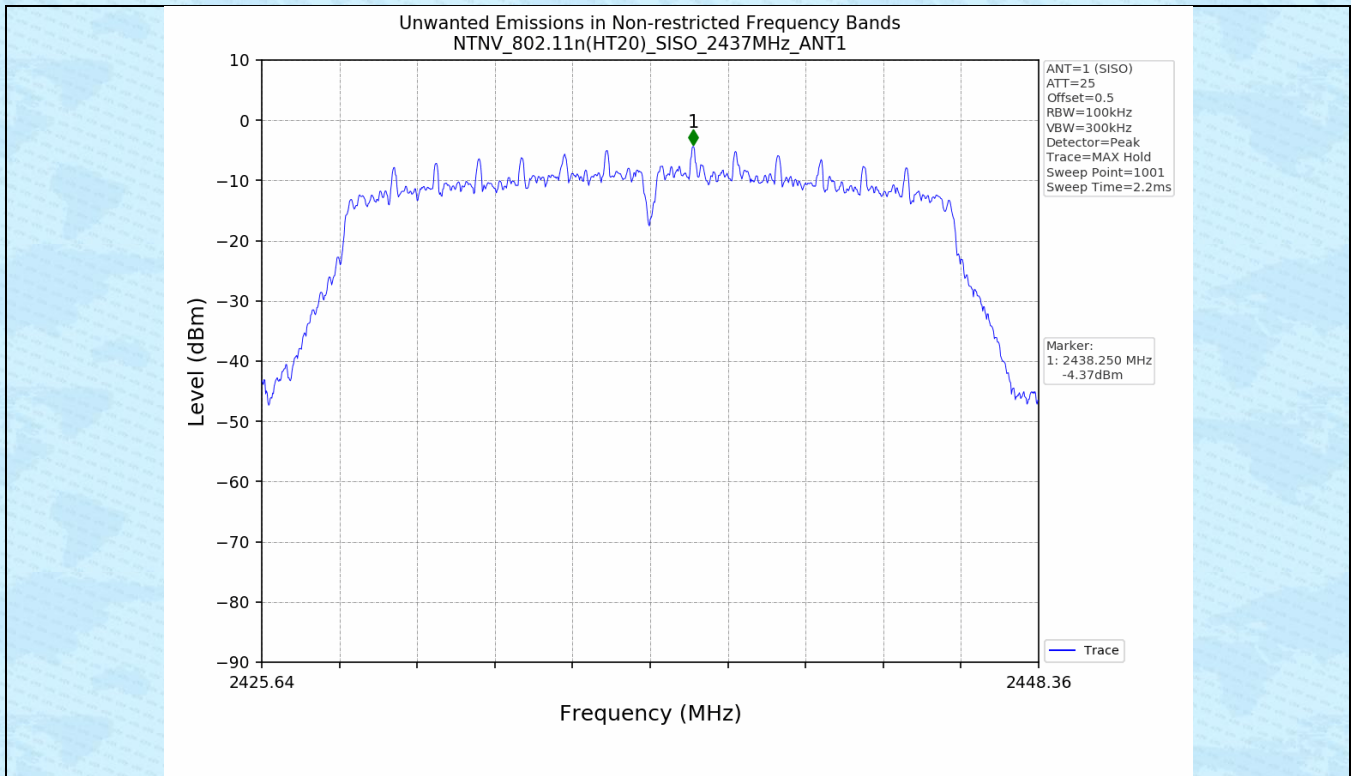
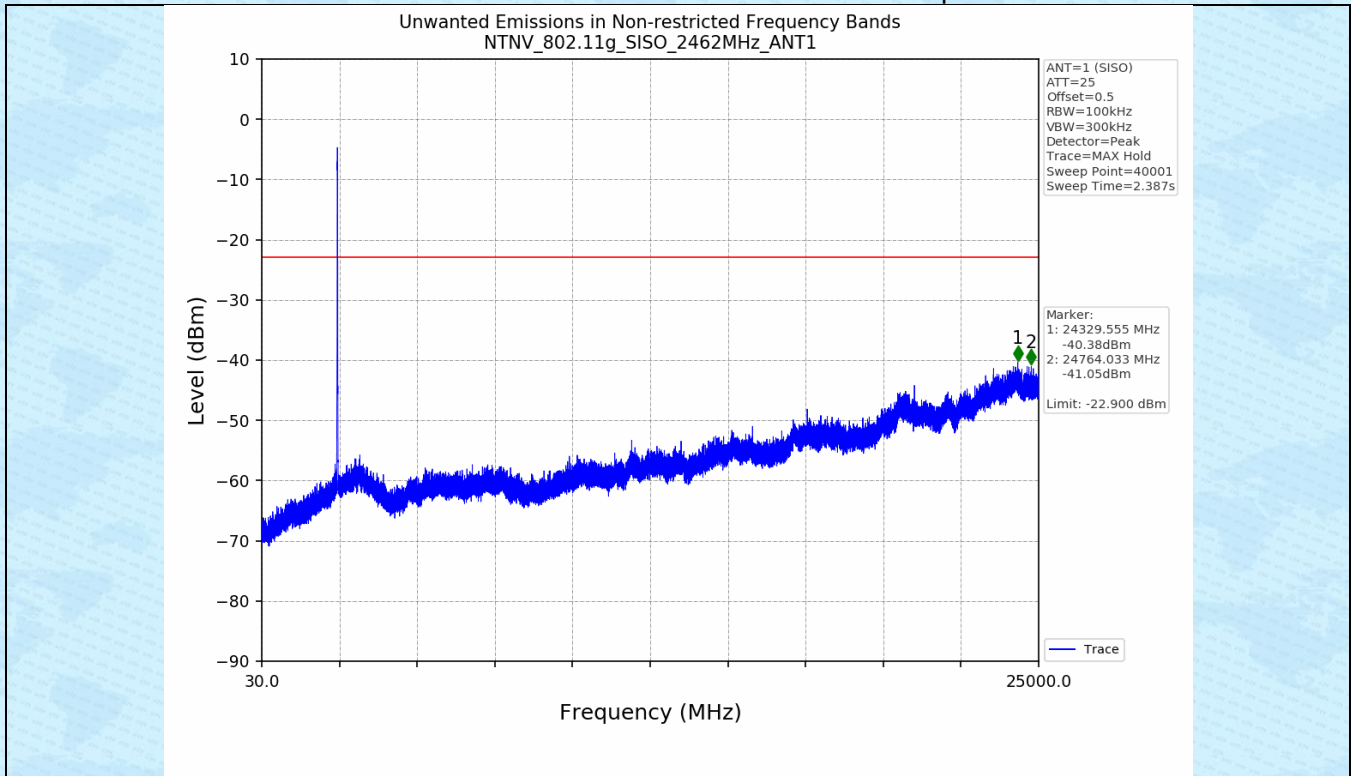


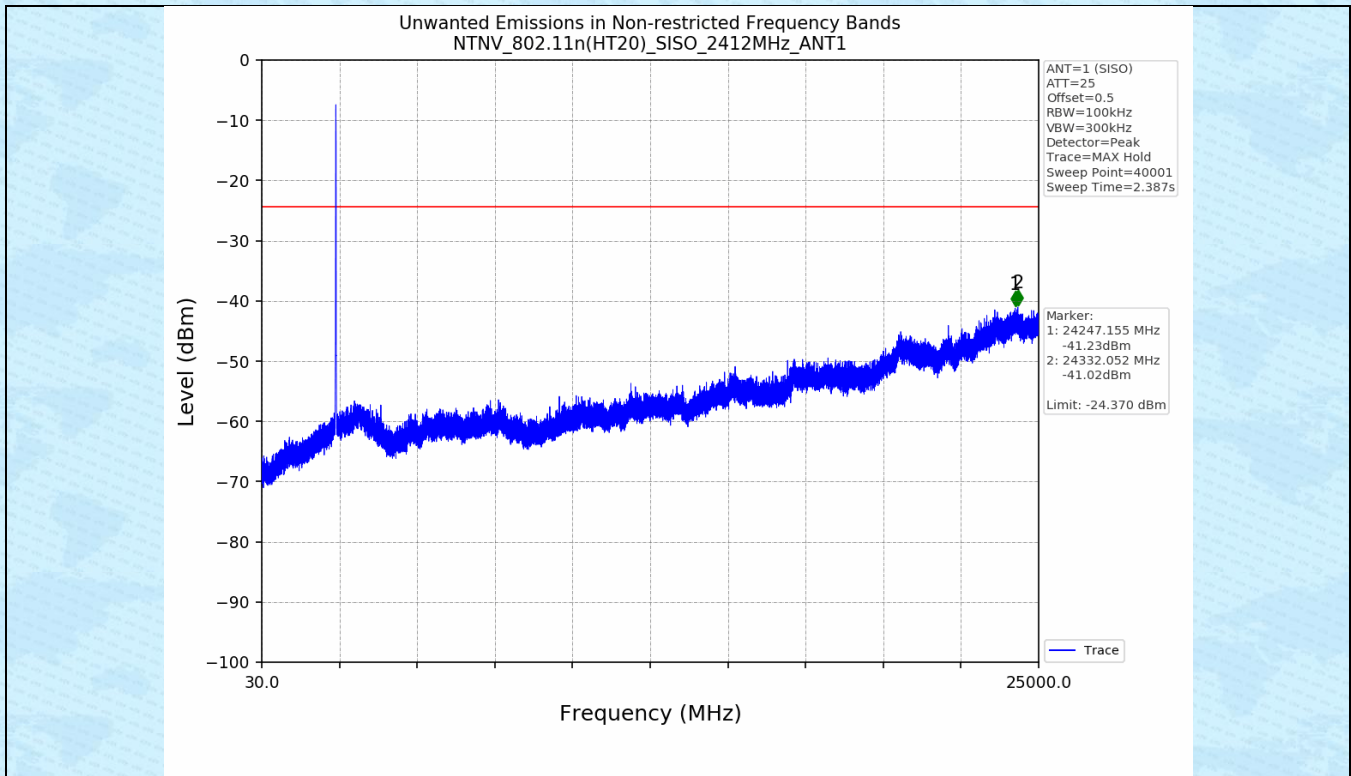
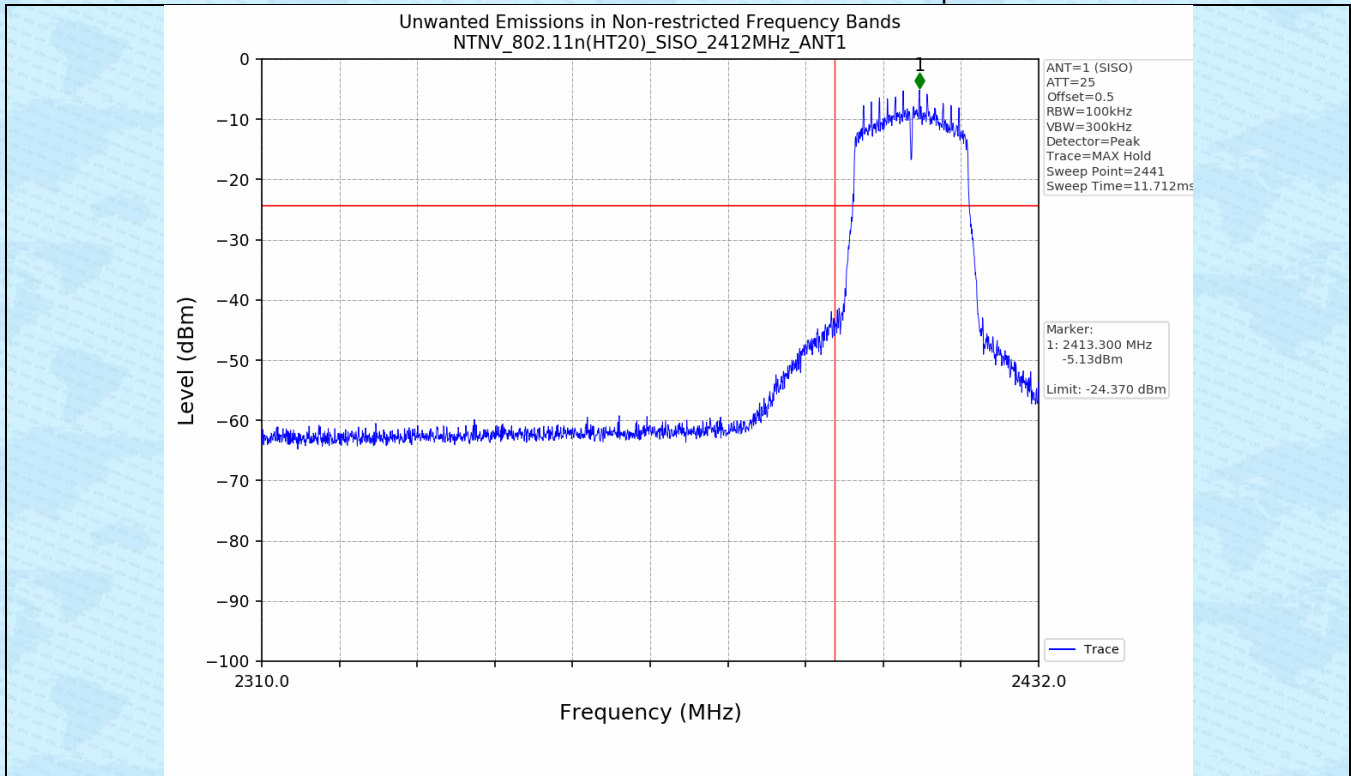


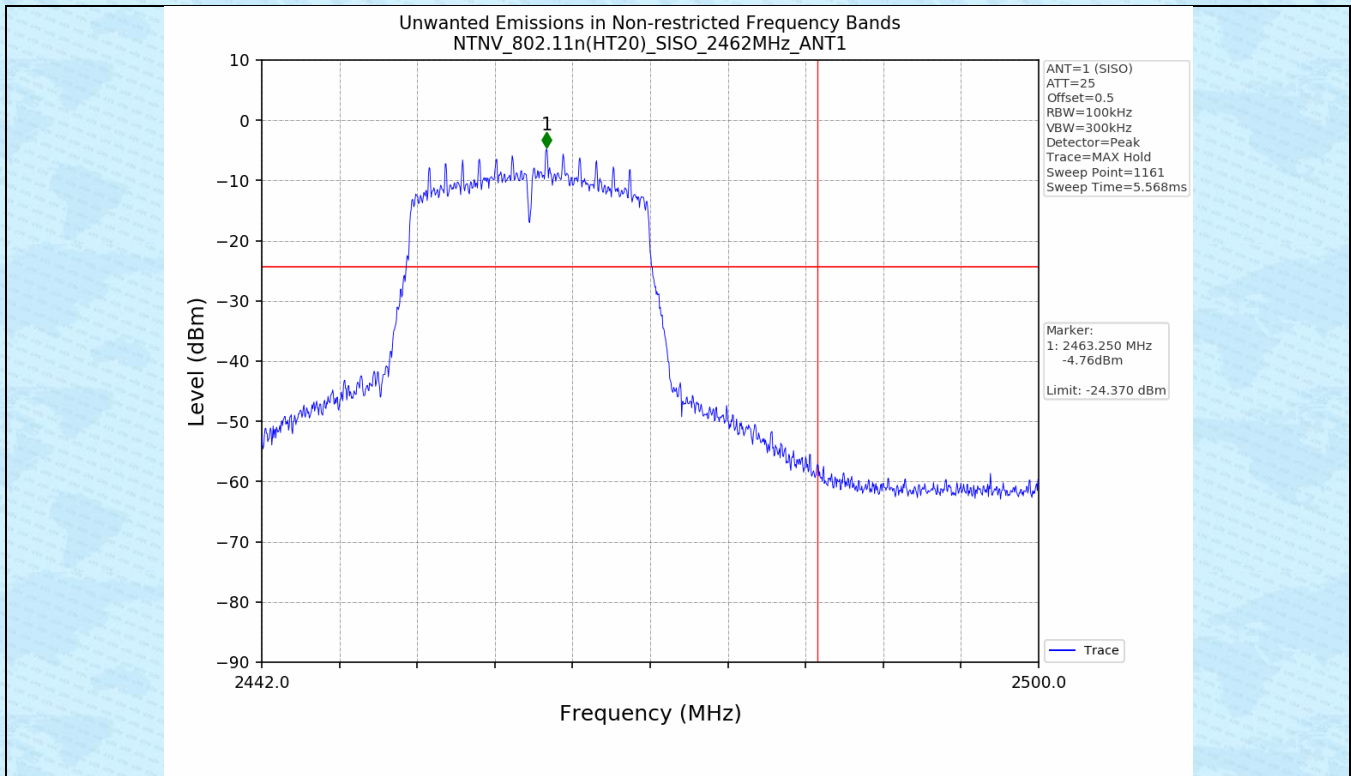
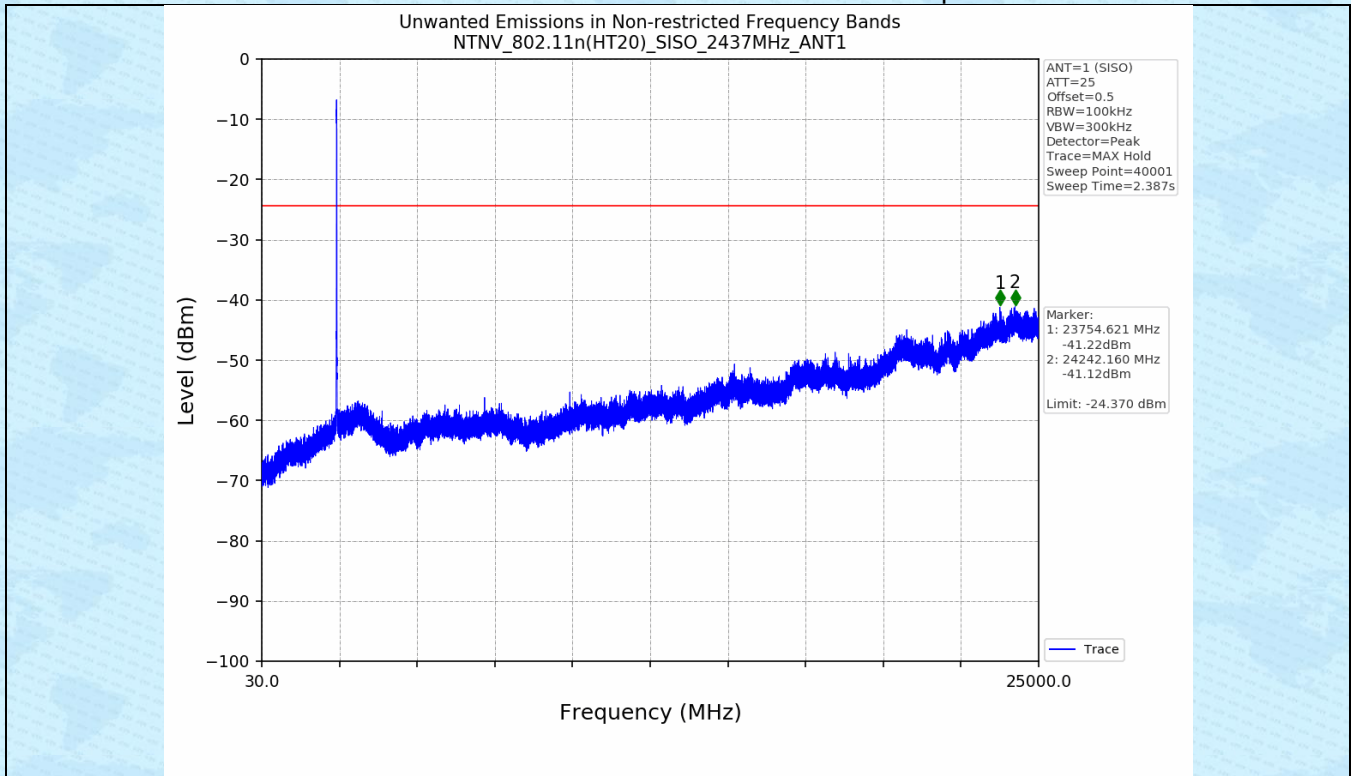


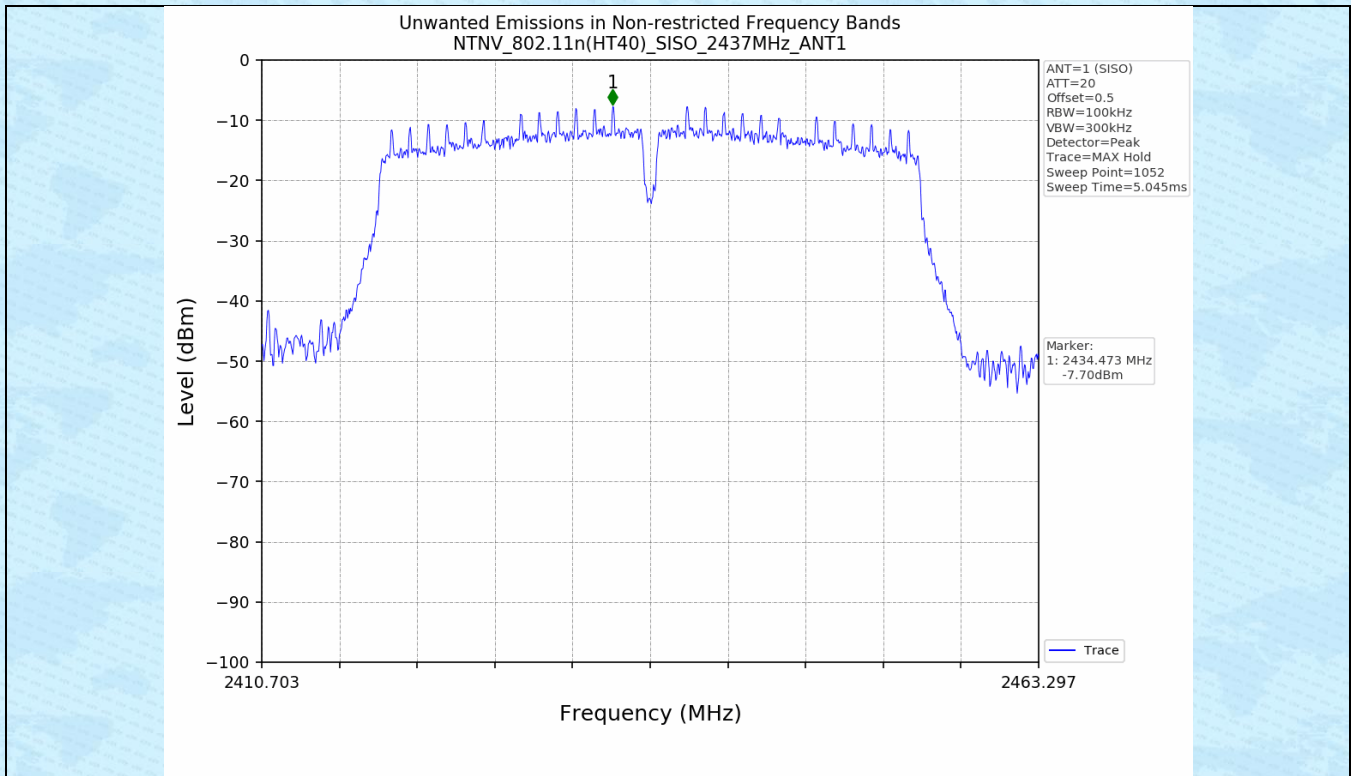
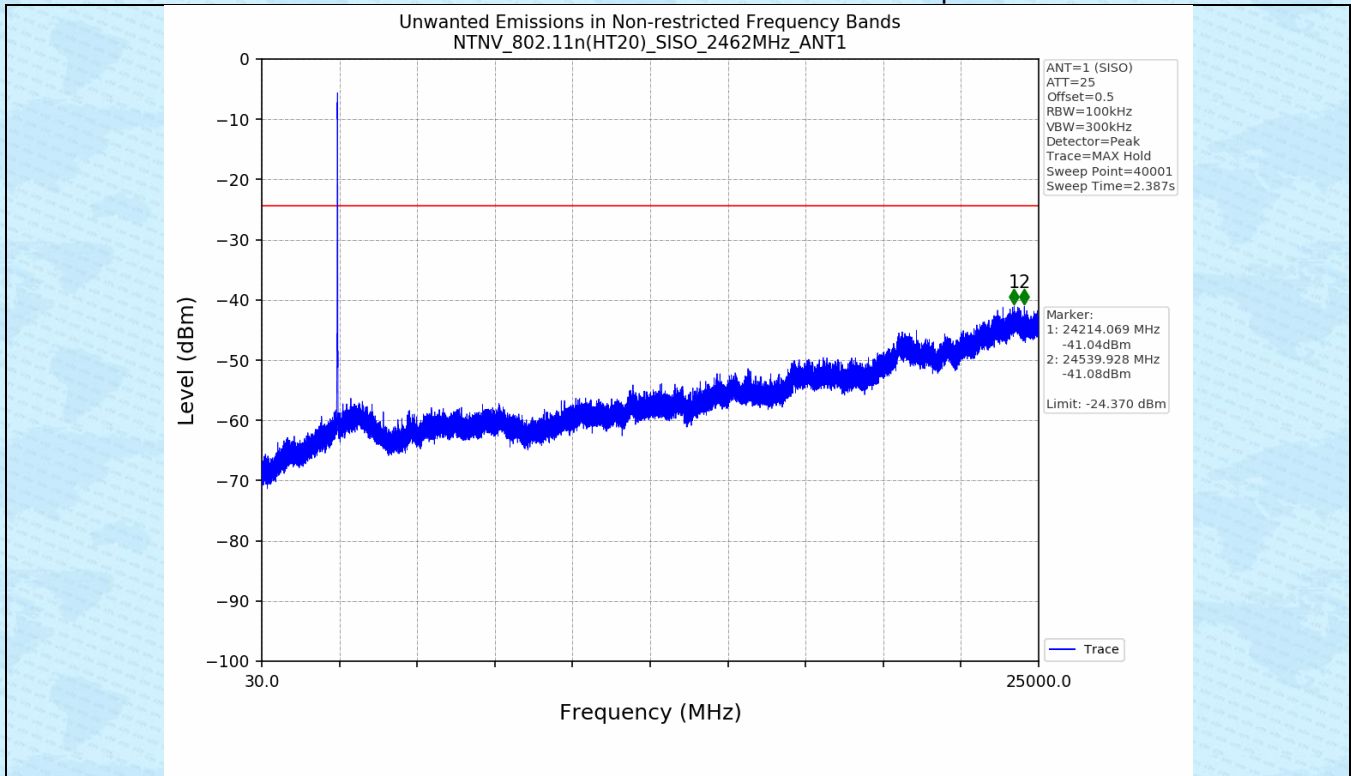


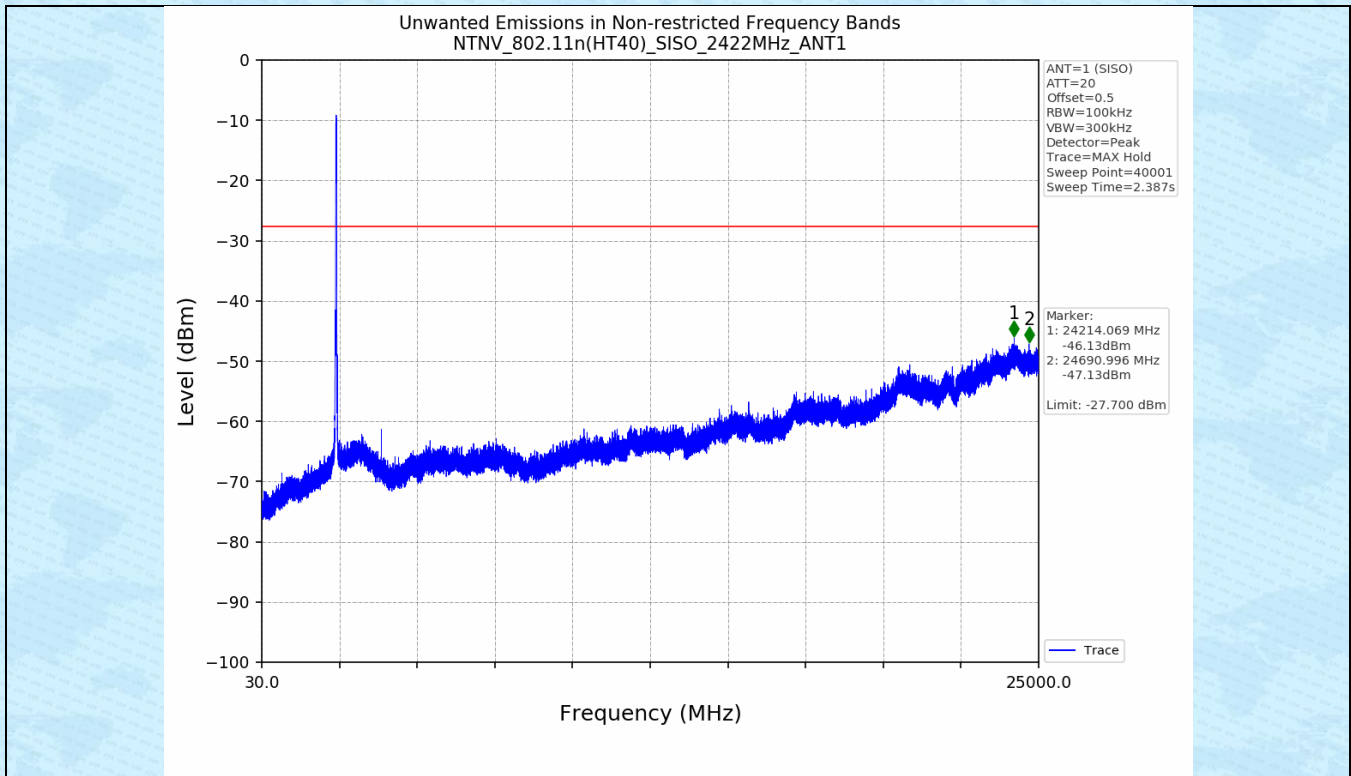
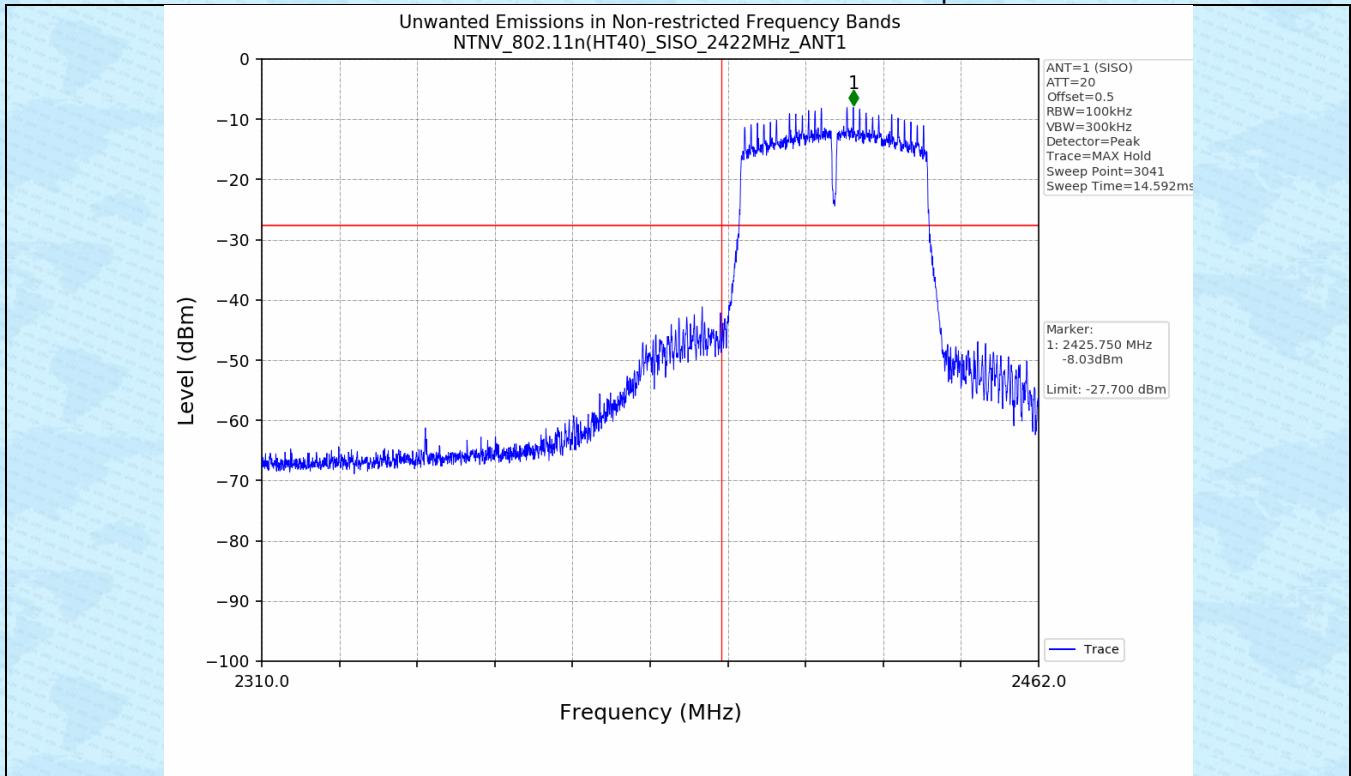


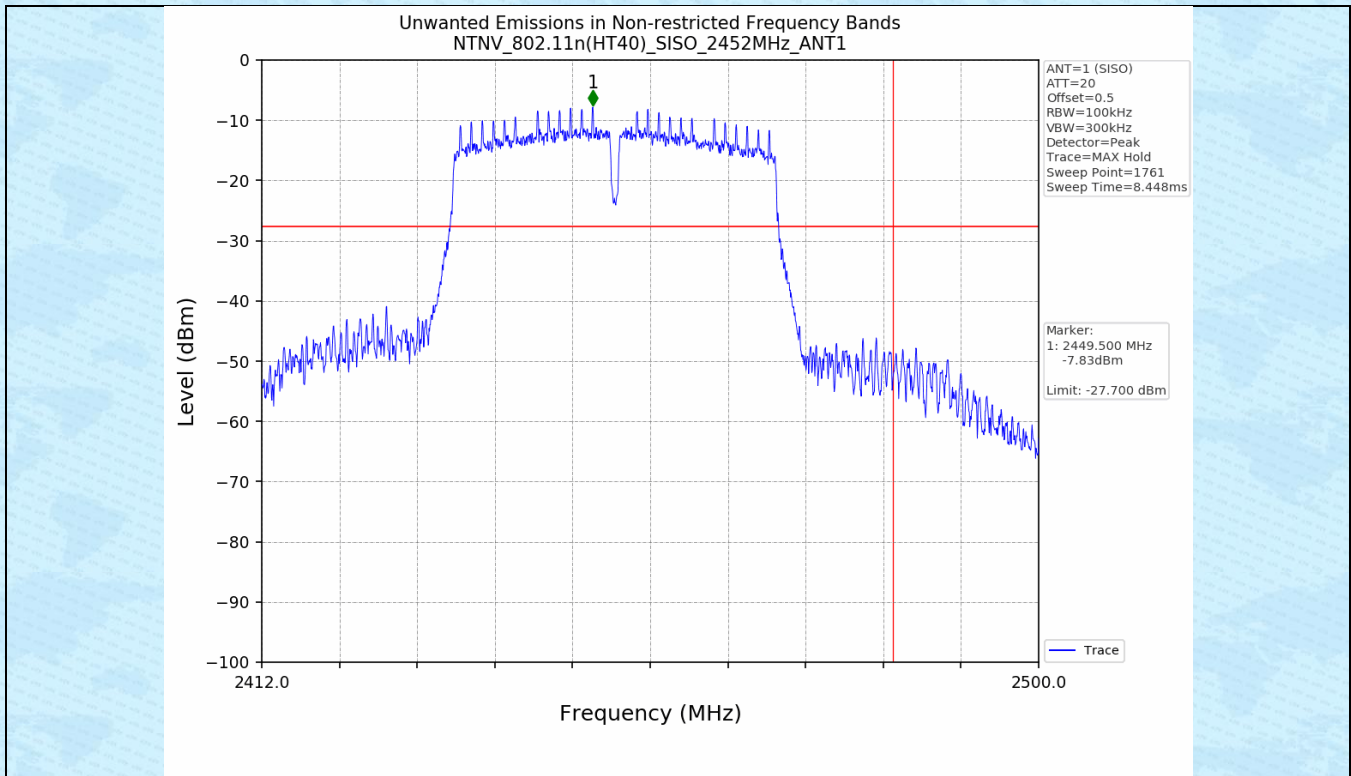
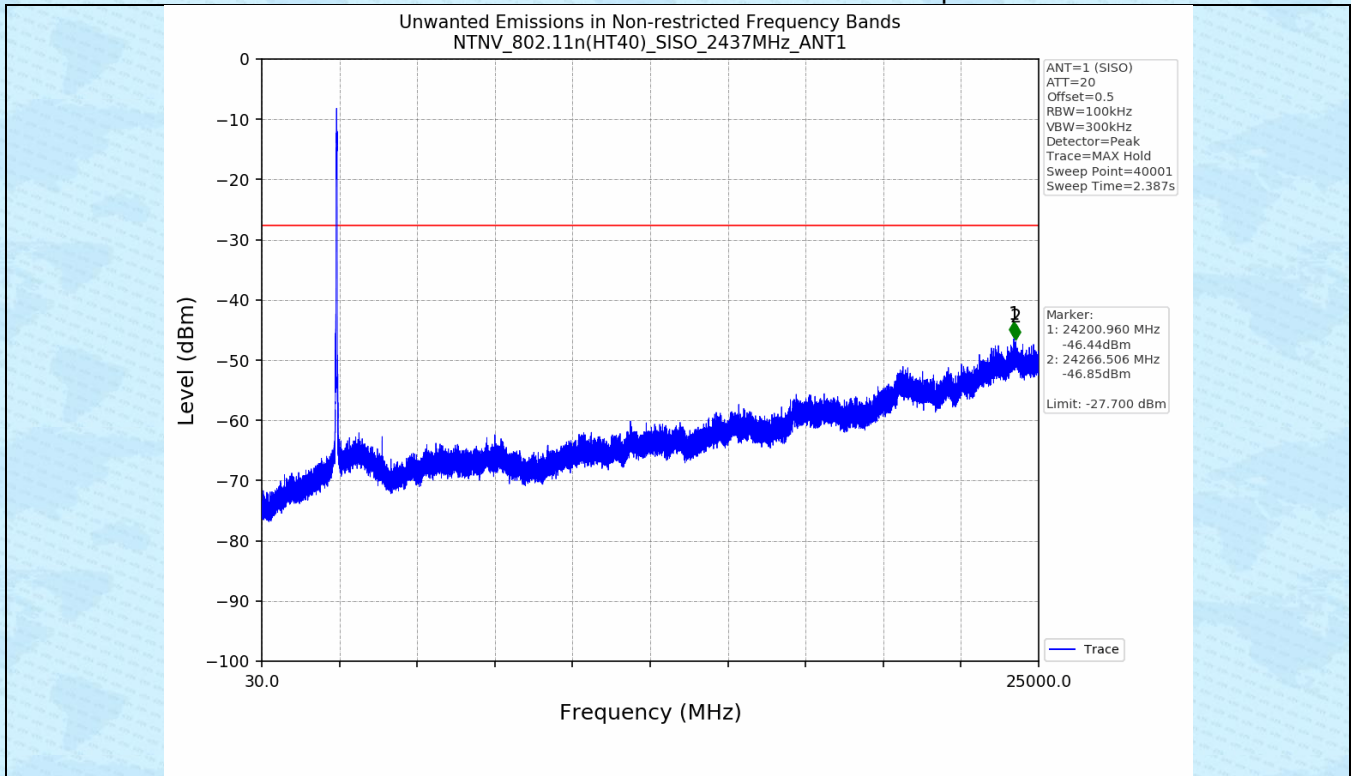


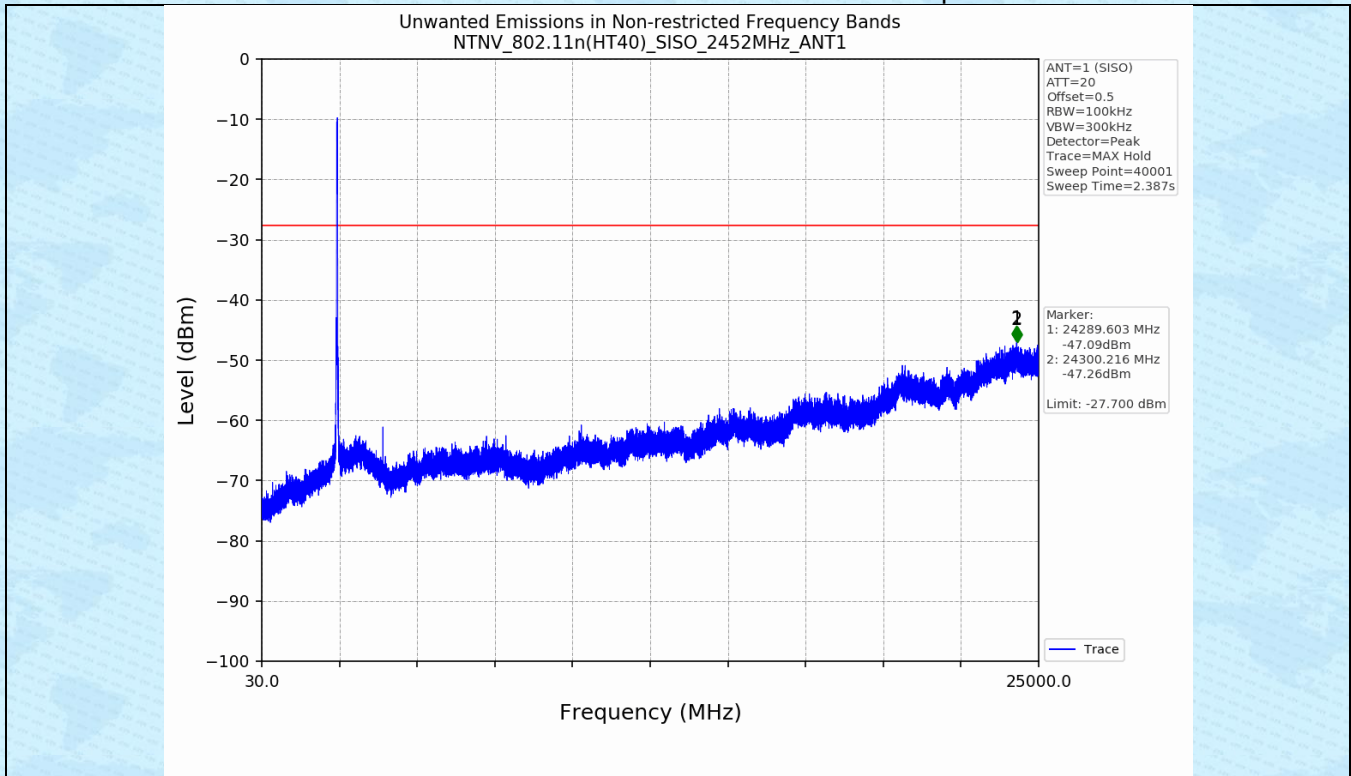












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