

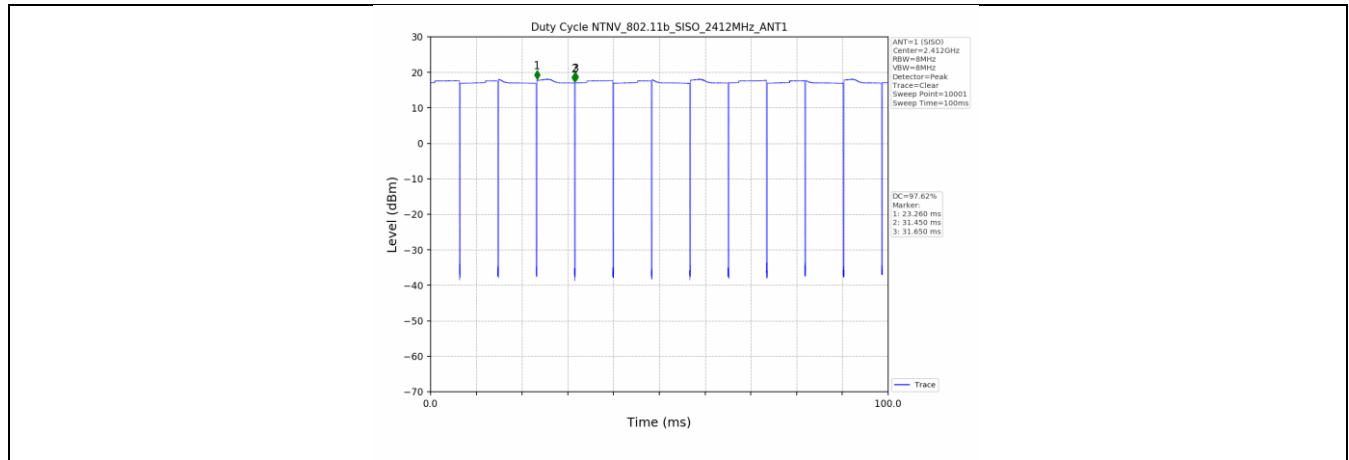
Appendix for 15.247

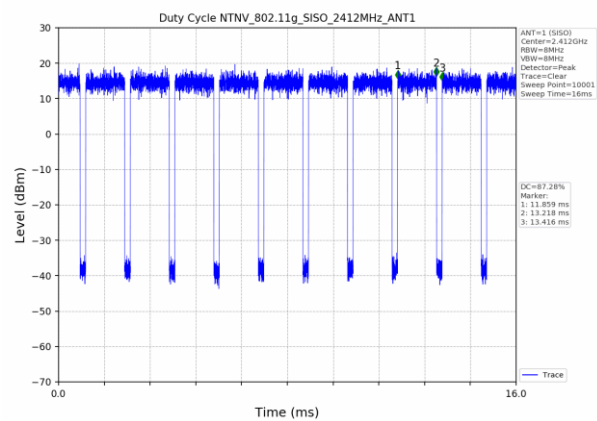
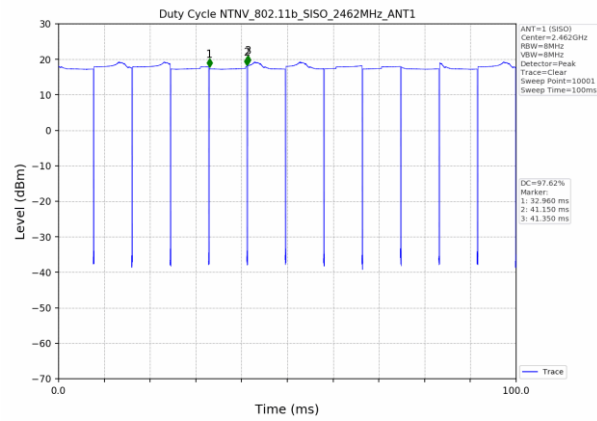
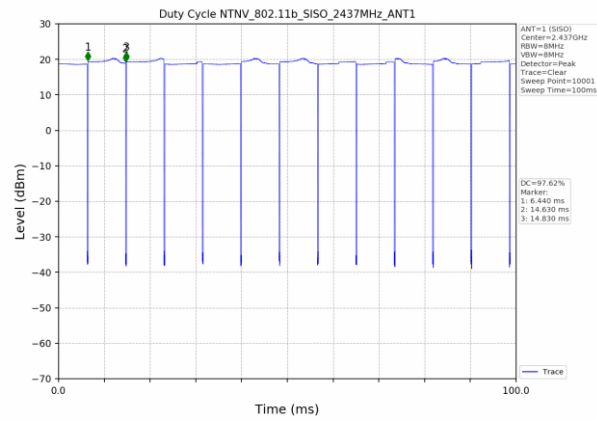
1. Duty Cycle

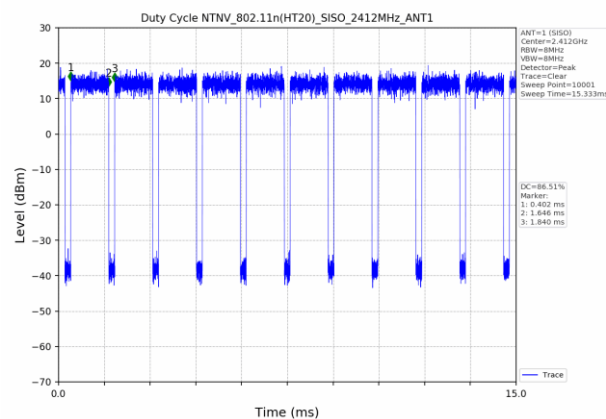
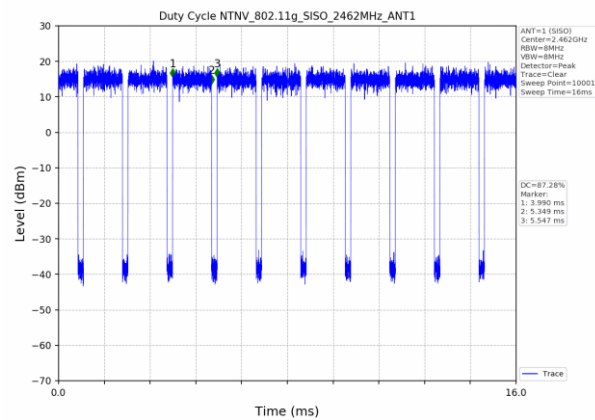
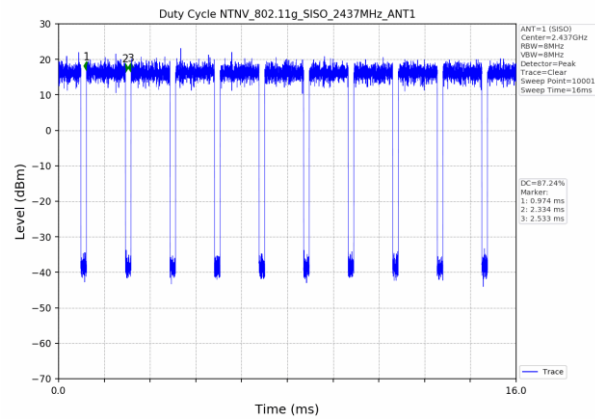
1.1 Test Result

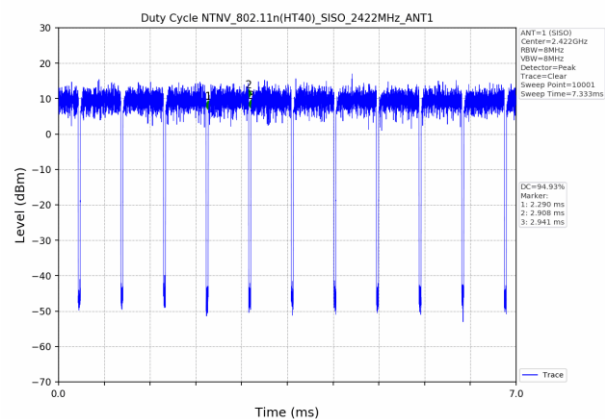
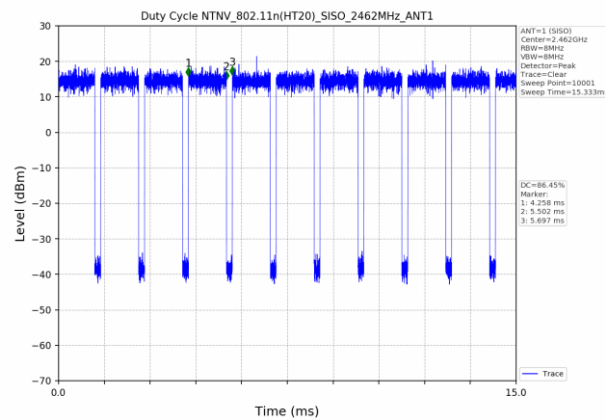
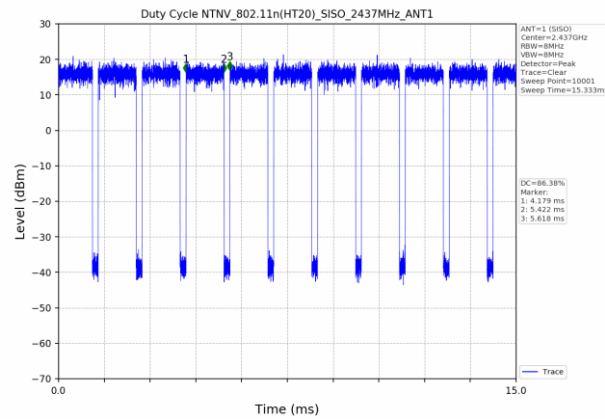
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	8.190	8.390	97.62	0.10
	2437	SISO	1	8.190	8.390	97.62	0.10
	2462	SISO	1	8.190	8.390	97.62	0.10
802.11g	2412	SISO	1	1.359	1.557	87.28	0.59
	2437	SISO	1	1.360	1.559	87.24	0.59
	2462	SISO	1	1.359	1.557	87.28	0.59
802.11n(HT20)	2412	SISO	1	1.244	1.438	86.51	0.63
	2437	SISO	1	1.243	1.439	86.38	0.64
	2462	SISO	1	1.244	1.439	86.45	0.63
802.11n(HT40)	2422	SISO	1	0.618	0.651	94.93	0.23
	2437	SISO	1	0.618	0.652	94.79	0.23
	2452	SISO	1	0.618	0.651	94.93	0.23

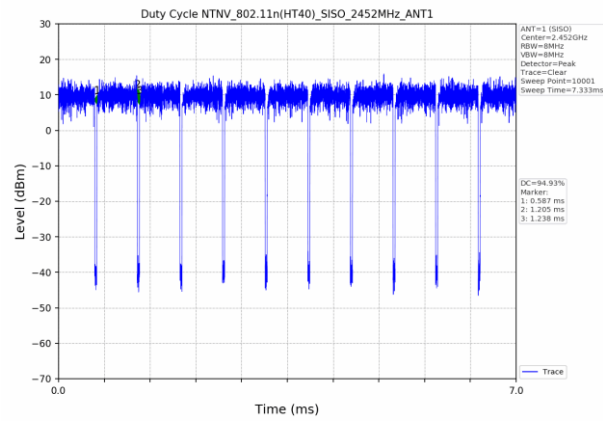
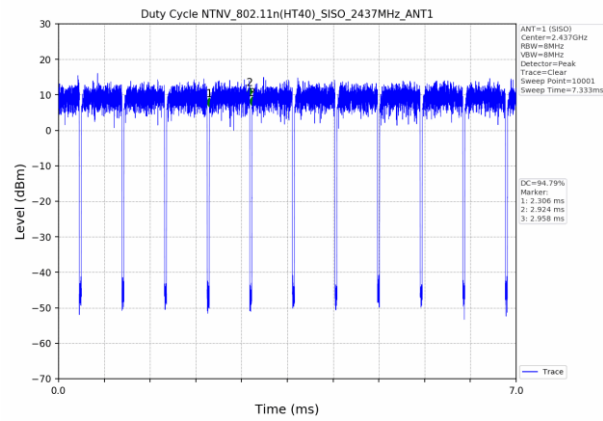
1.2 Test Graph











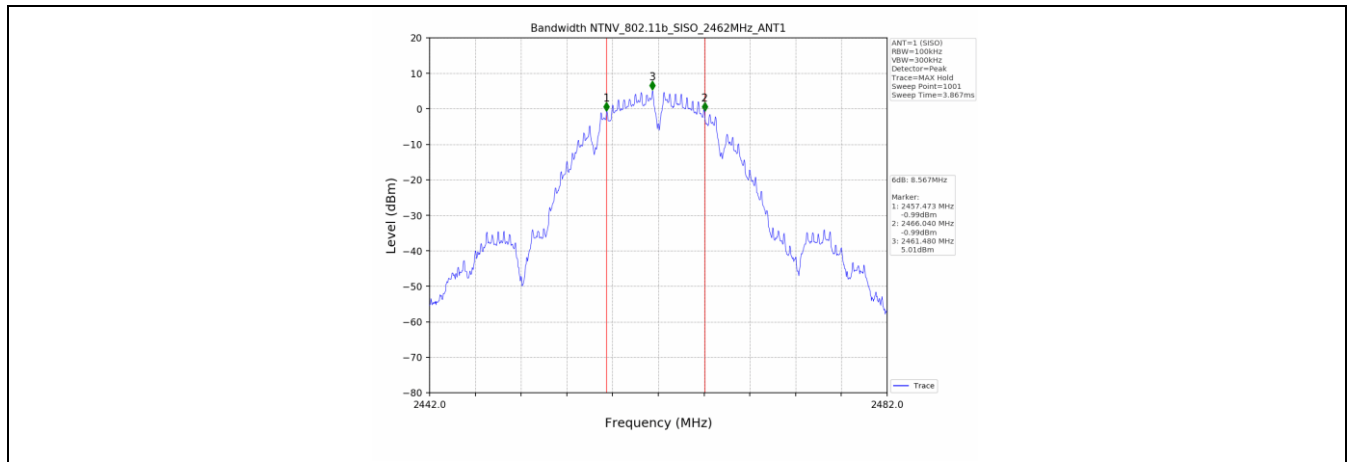
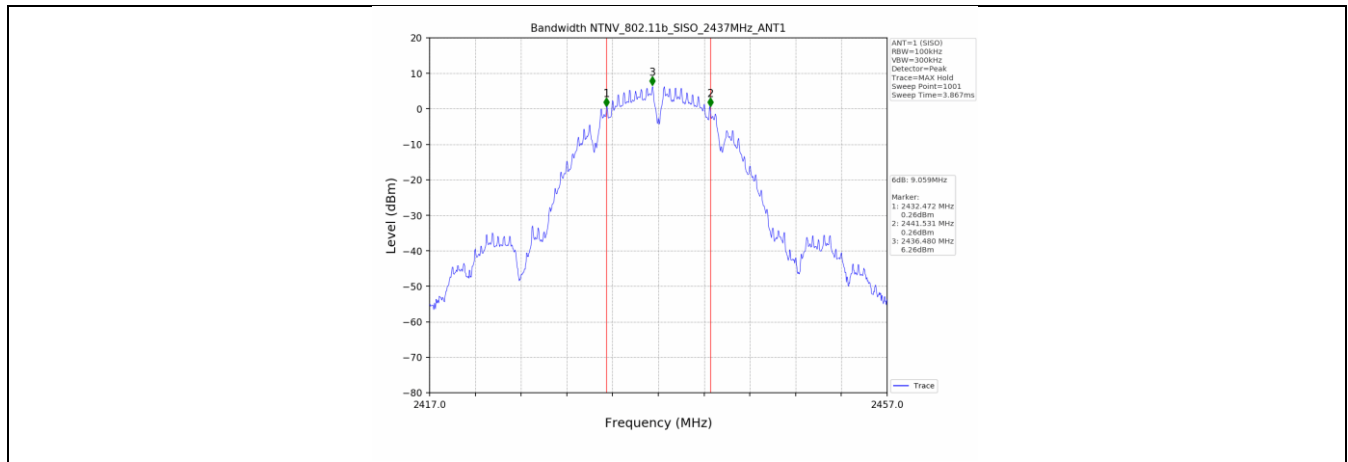
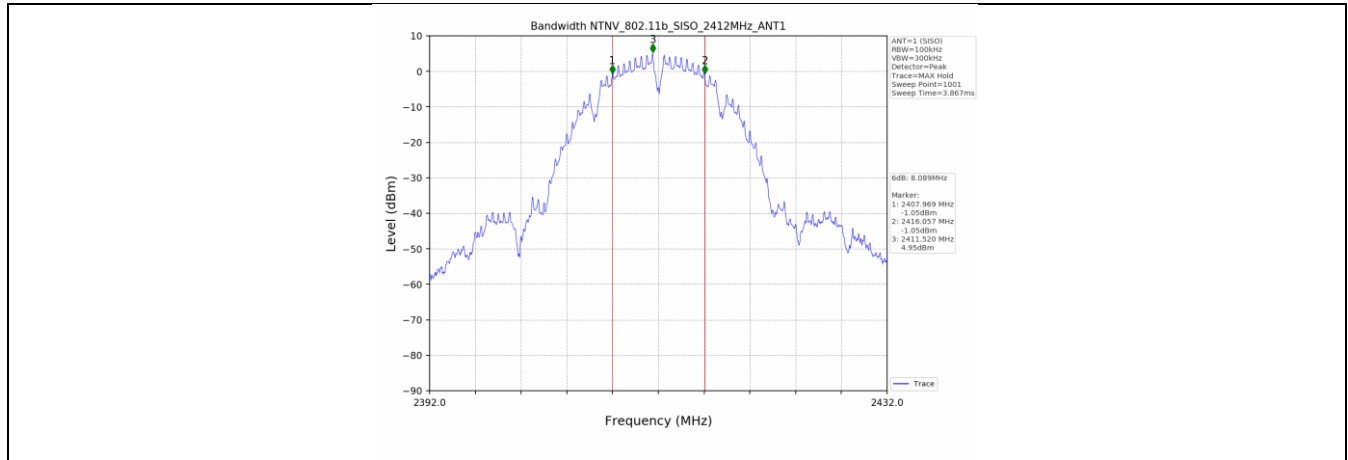
2. Bandwidth

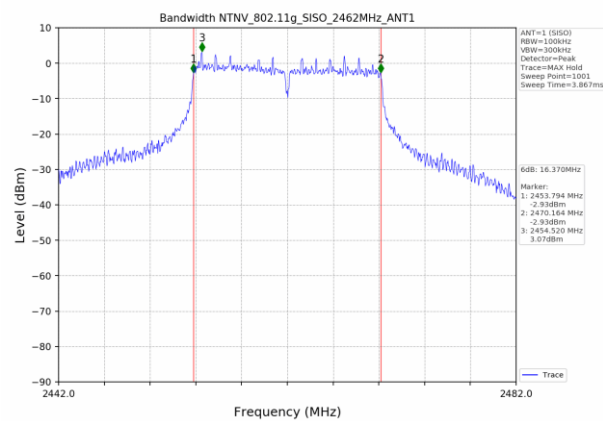
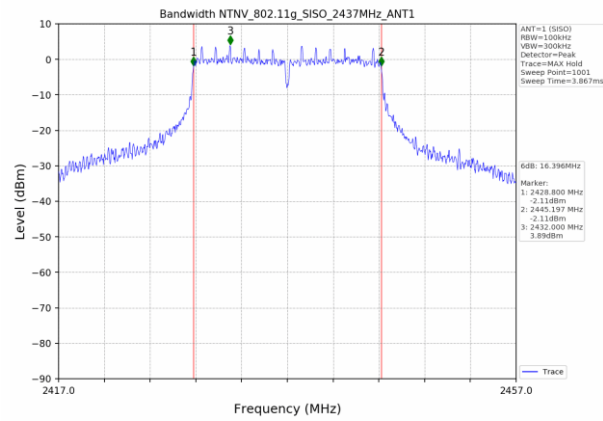
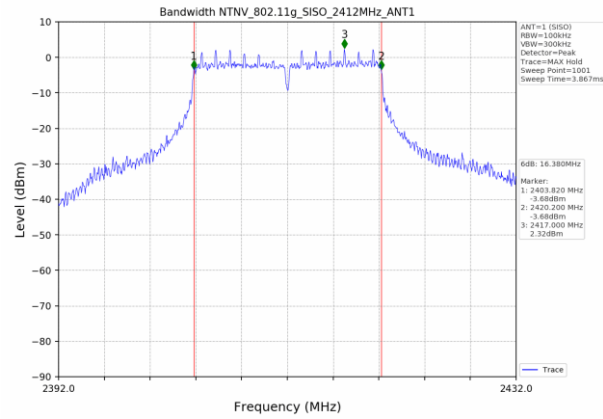
2.1 Test Result

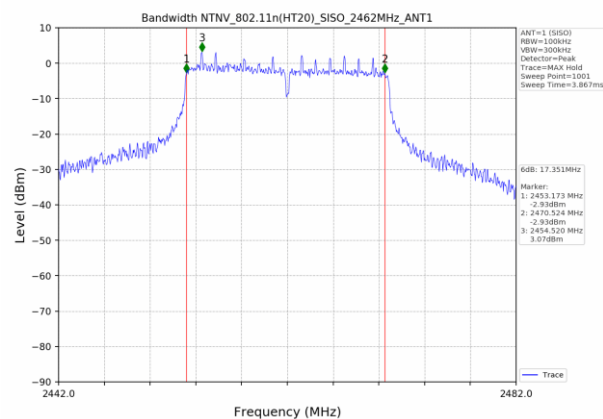
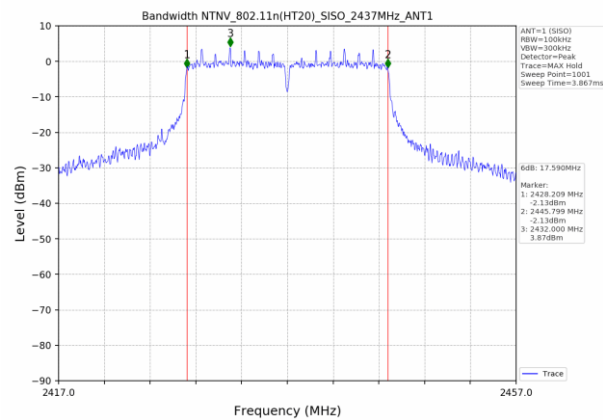
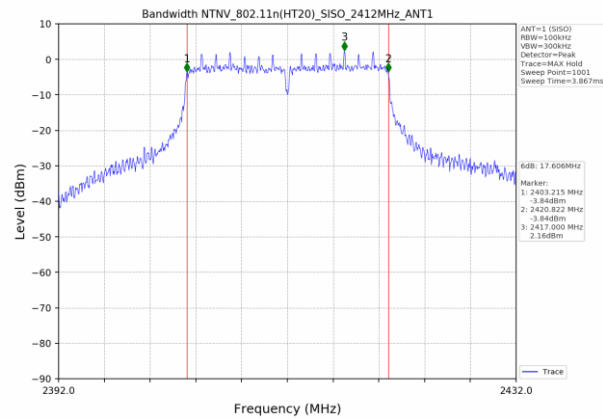
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	8.089	≥0.5	PASS
	2437	SISO	1	9.059	≥0.5	PASS
	2462	SISO	1	8.567	≥0.5	PASS
802.11g	2412	SISO	1	16.380	≥0.5	PASS
	2437	SISO	1	16.396	≥0.5	PASS
	2462	SISO	1	16.370	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.606	≥0.5	PASS
	2437	SISO	1	17.590	≥0.5	PASS
	2462	SISO	1	17.351	≥0.5	PASS
802.11n(HT40)	2422	SISO	1	35.285	≥0.5	PASS
	2437	SISO	1	35.228	≥0.5	PASS
	2452	SISO	1	35.273	≥0.5	PASS

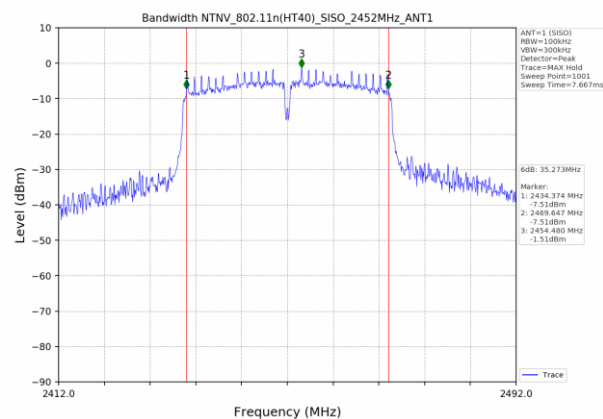
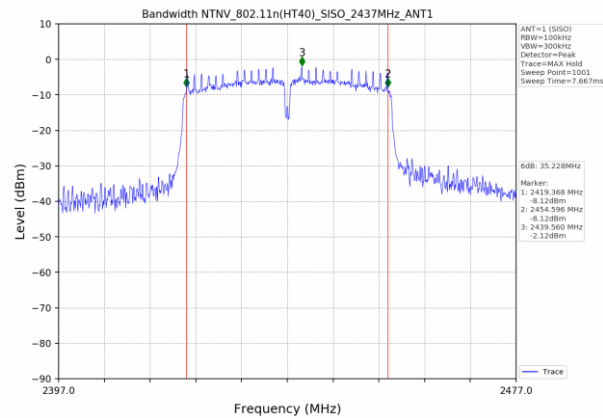
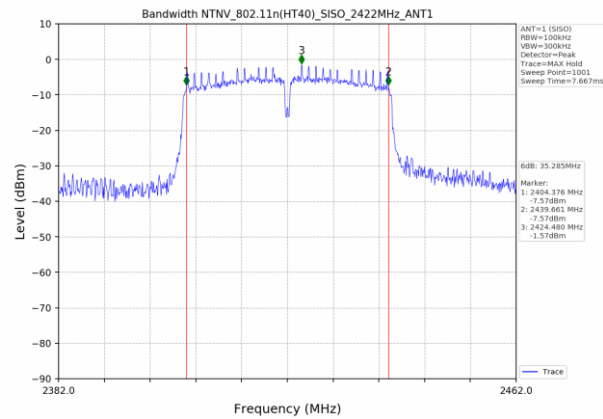
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	13.395	Only for Report Use
	2437	SISO	1	13.443	Only for Report Use
	2462	SISO	1	13.615	Only for Report Use
802.11g	2412	SISO	1	17.334	Only for Report Use
	2437	SISO	1	17.377	Only for Report Use
	2462	SISO	1	17.643	Only for Report Use
802.11n(HT20)	2412	SISO	1	18.284	Only for Report Use
	2437	SISO	1	18.319	Only for Report Use
	2462	SISO	1	18.487	Only for Report Use
802.11n(HT40)	2422	SISO	1	36.736	Only for Report Use
	2437	SISO	1	36.666	Only for Report Use
	2452	SISO	1	36.756	Only for Report Use

2.2 Test Graph - 6dB Bandwidth

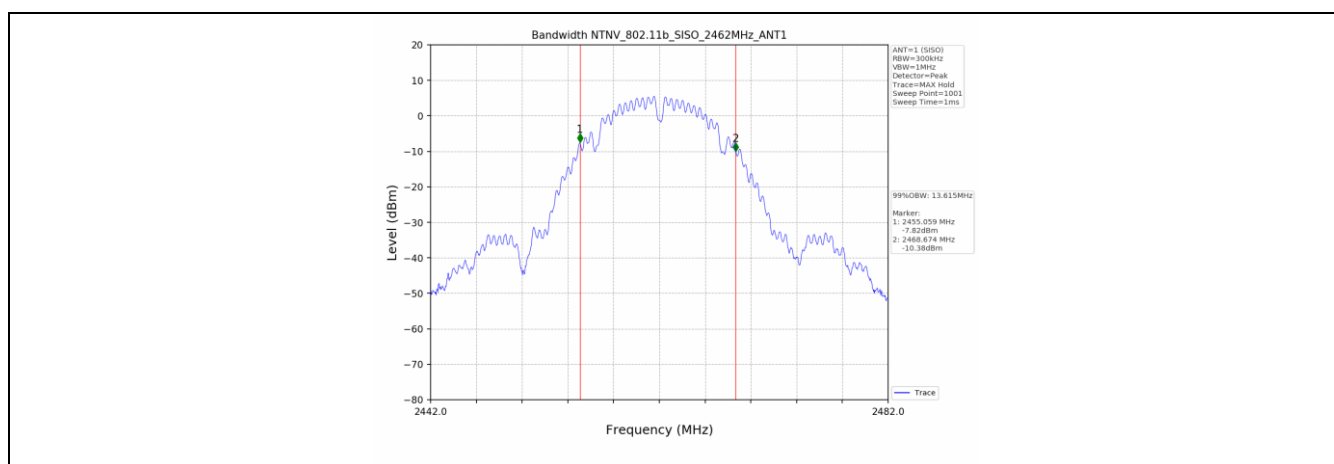
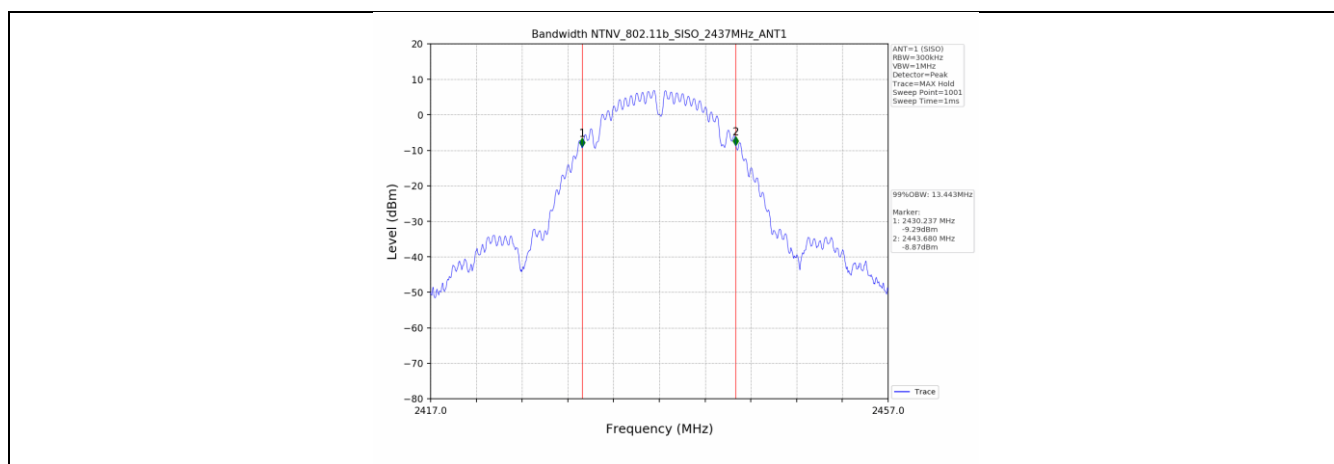
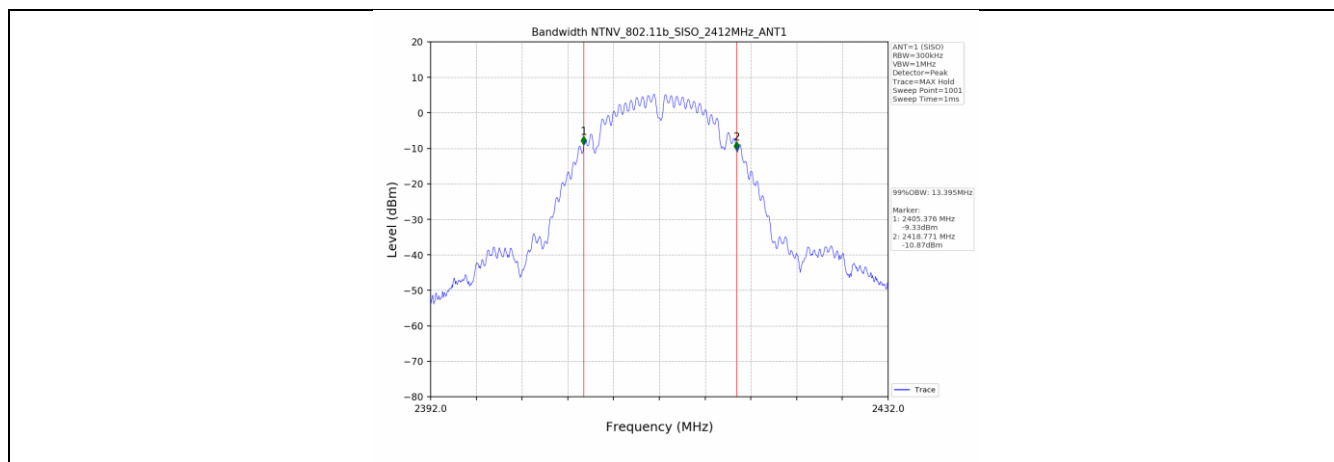


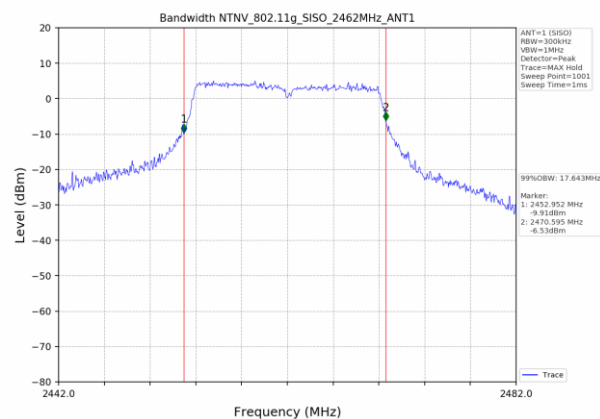
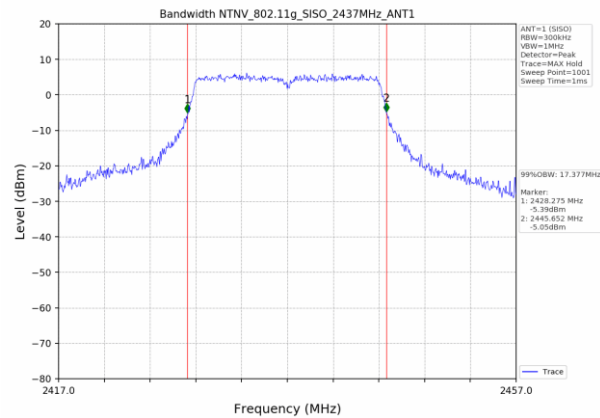
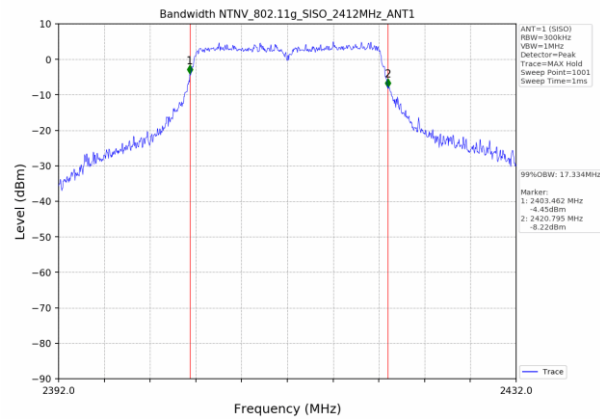


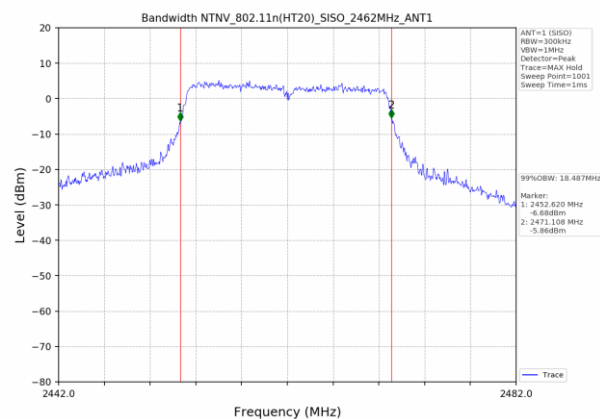
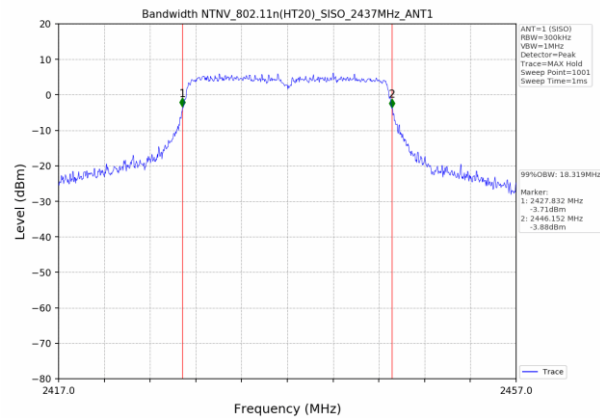
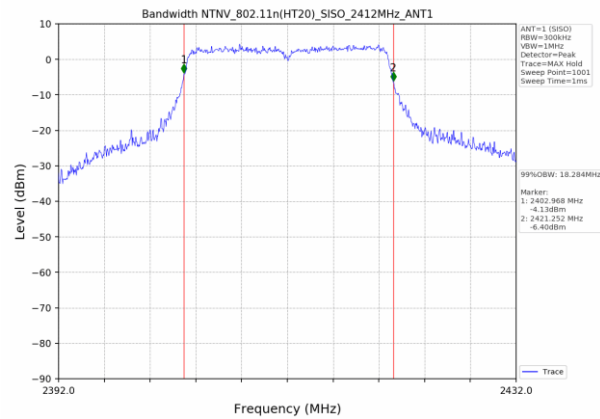


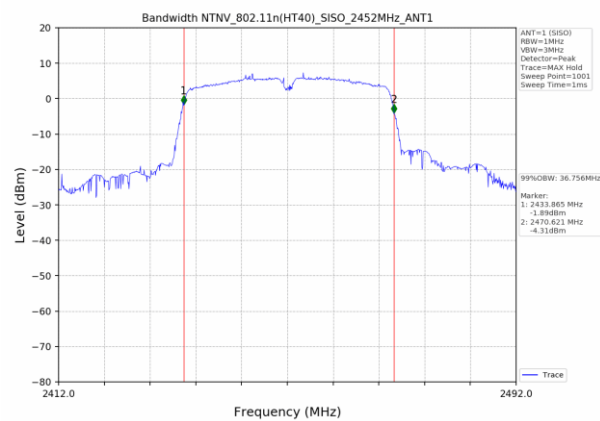
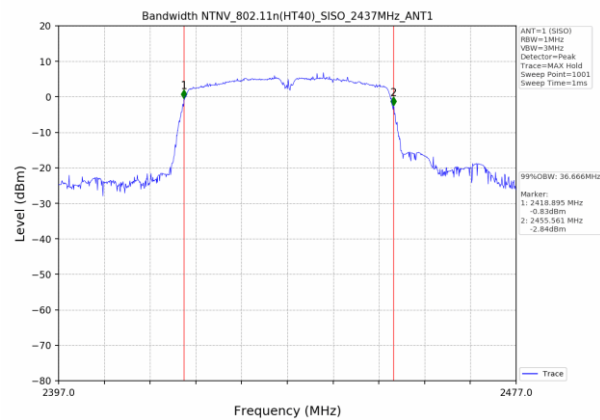
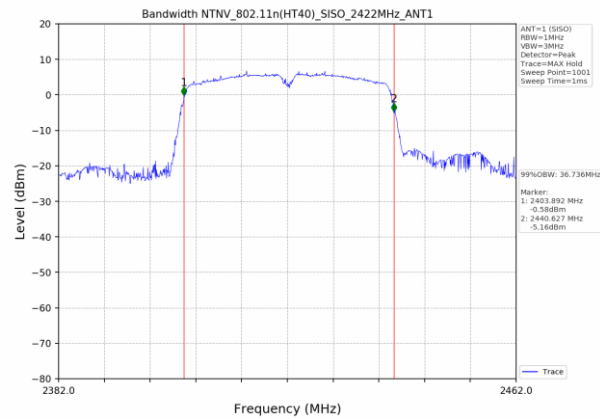


2.3 Test Graph - 99% Occupied Bandwidth









3. Maximum Conducted Output Power

3.1 Test Result

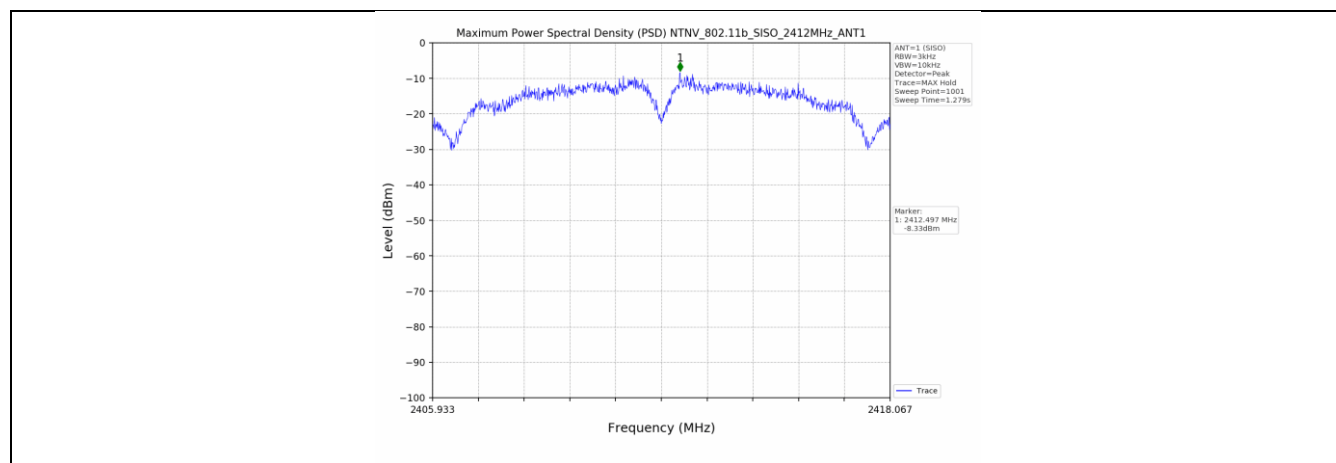
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	17.49	30	PASS
	2437	SISO	17.39	30	PASS
	2462	SISO	16.03	30	PASS
802.11g	2412	SISO	20.66	30	PASS
	2437	SISO	21.38	30	PASS
	2462	SISO	21.06	30	PASS
802.11n(HT20)	2412	SISO	20.71	30	PASS
	2437	SISO	21.39	30	PASS
	2462	SISO	21.13	30	PASS
802.11n(HT40)	2422	SISO	19.78	30	PASS
	2437	SISO	19.29	30	PASS
	2452	SISO	19.75	30	PASS

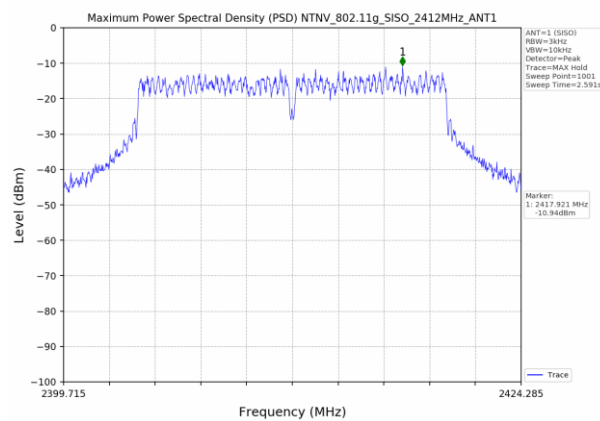
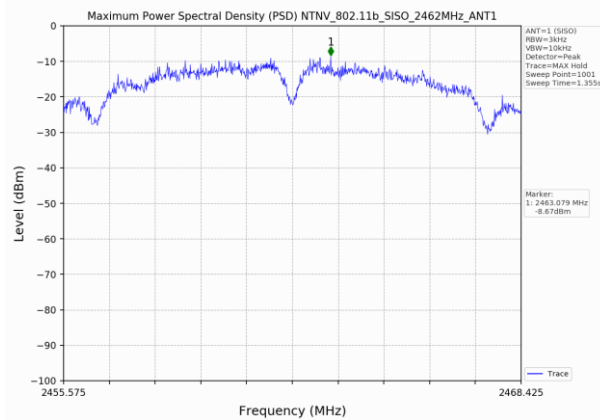
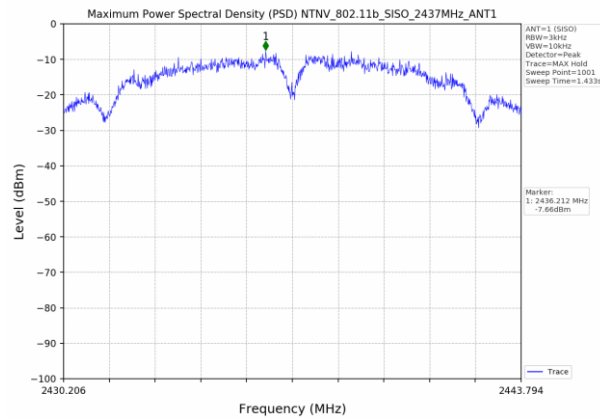
4. Maximum Power Spectral Density (PSD)

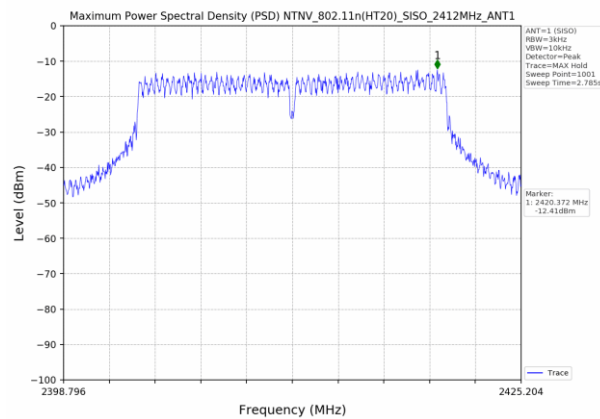
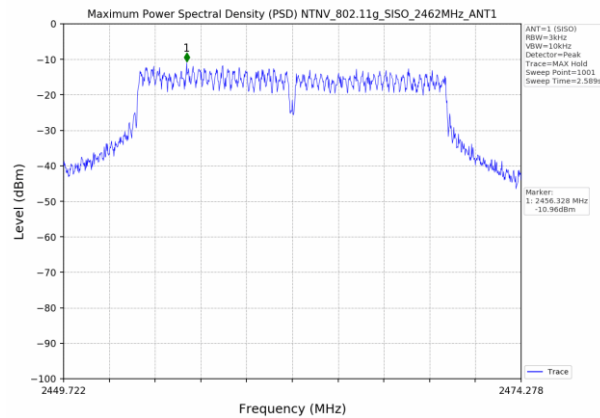
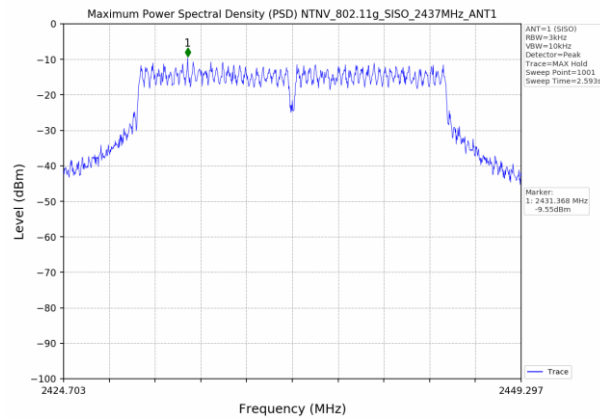
4.1 Test Result

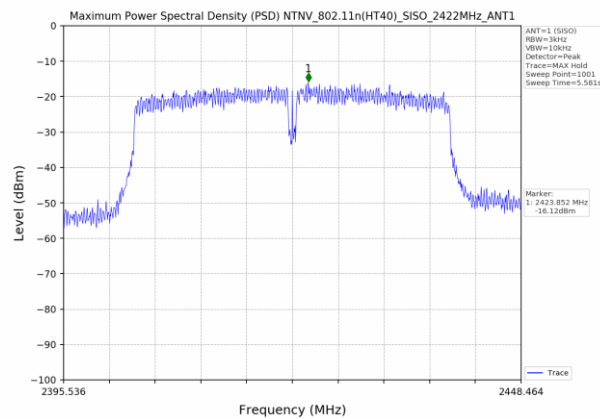
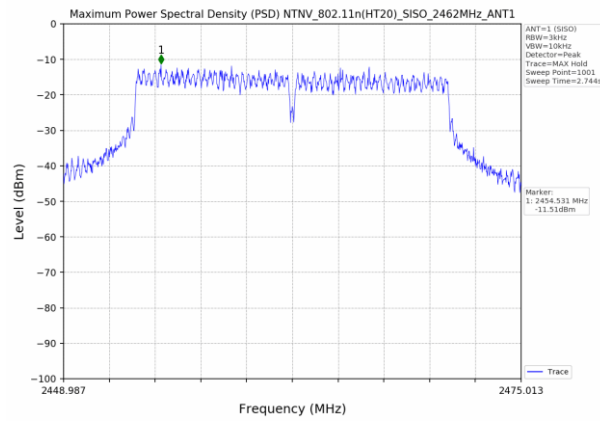
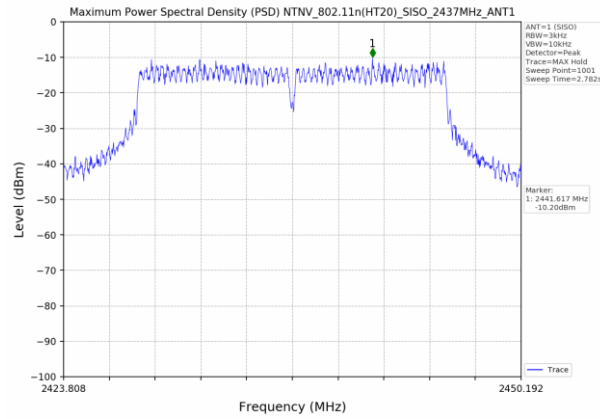
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-8.33	≤8	PASS
	2437	SISO	-7.66	≤8	PASS
	2462	SISO	-8.67	≤8	PASS
802.11g	2412	SISO	-10.94	≤8	PASS
	2437	SISO	-9.55	≤8	PASS
	2462	SISO	-10.96	≤8	PASS
802.11n(HT20)	2412	SISO	-12.41	≤8	PASS
	2437	SISO	-10.20	≤8	PASS
	2462	SISO	-11.51	≤8	PASS
802.11n(HT40)	2422	SISO	-16.12	≤8	PASS
	2437	SISO	-16.56	≤8	PASS
	2452	SISO	-15.47	≤8	PASS

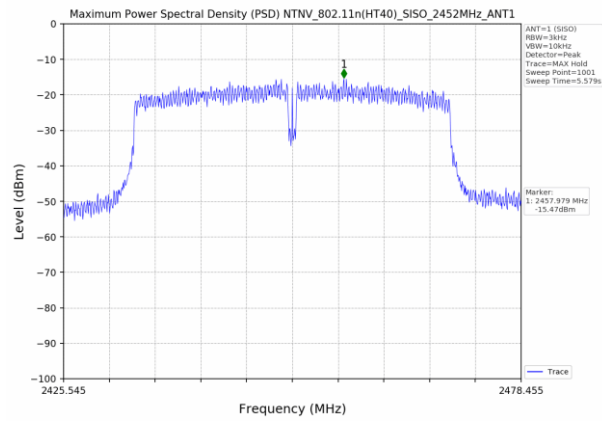
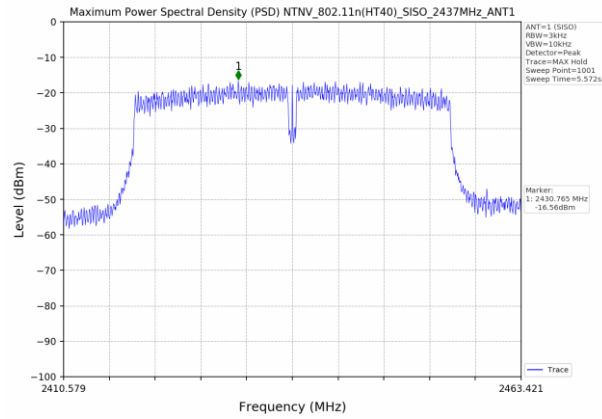
4.2 Test Graph









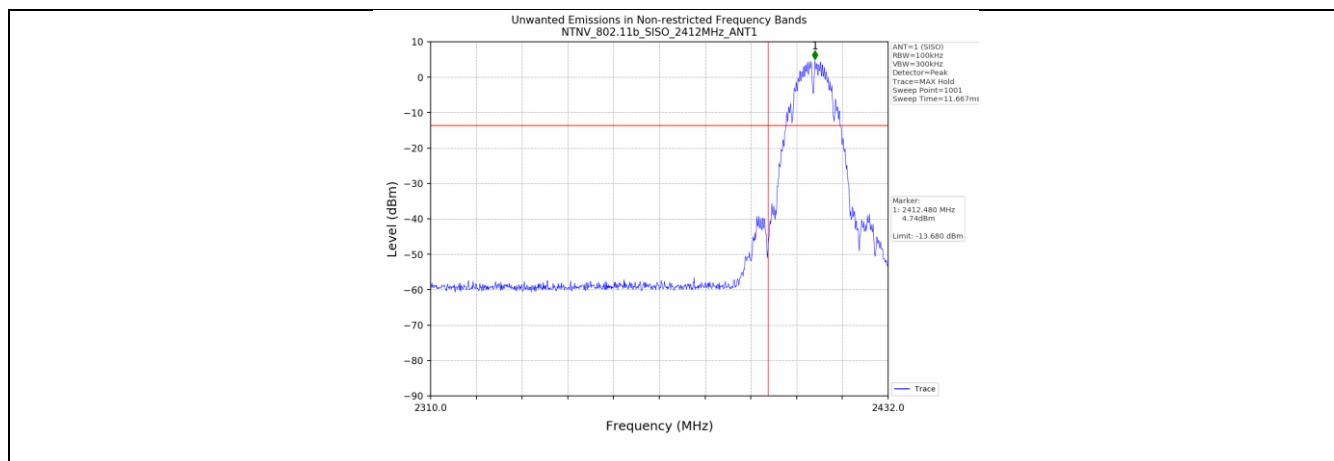
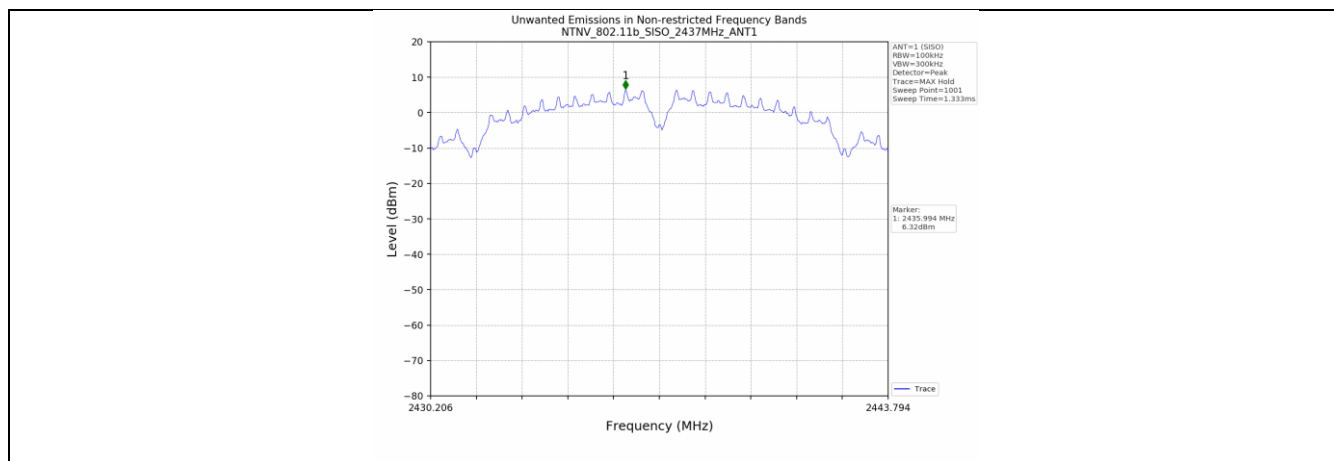


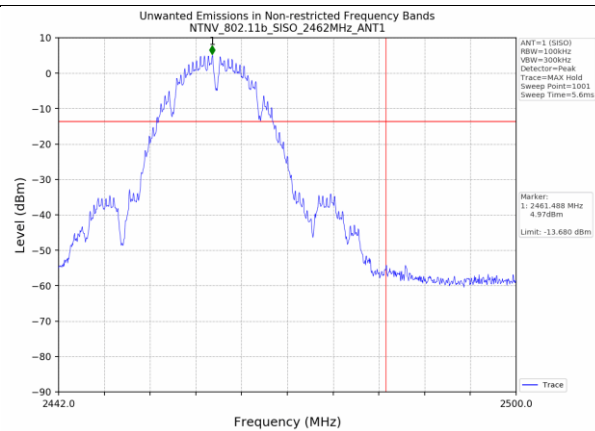
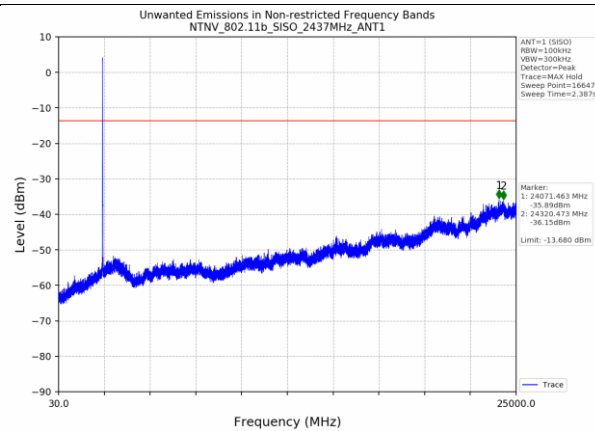
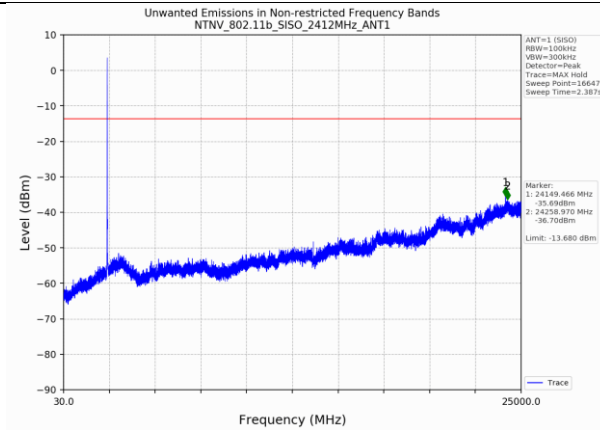
5. Unwanted Emissions in Non-restricted Frequency Bands

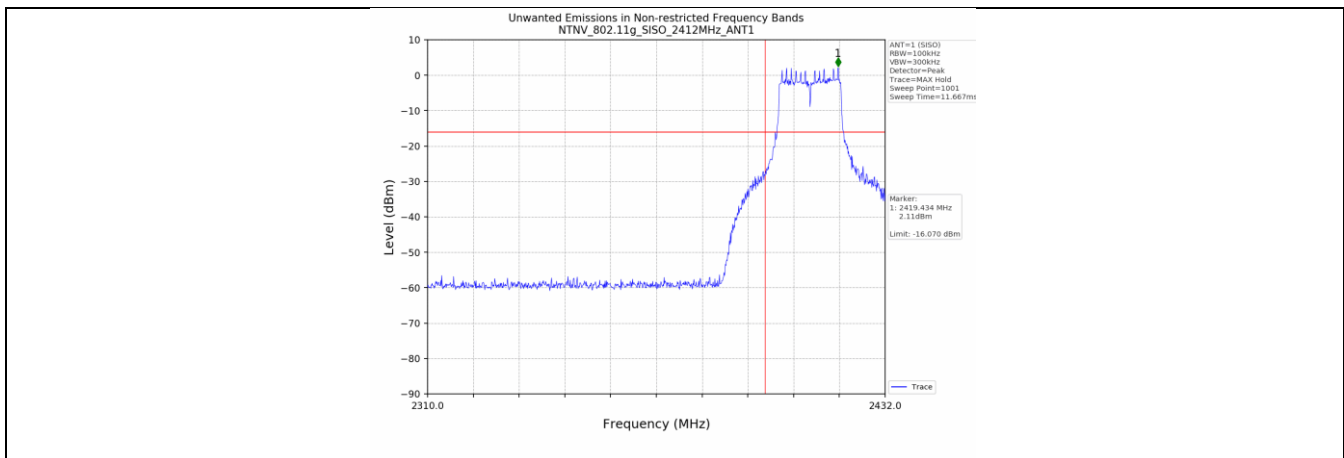
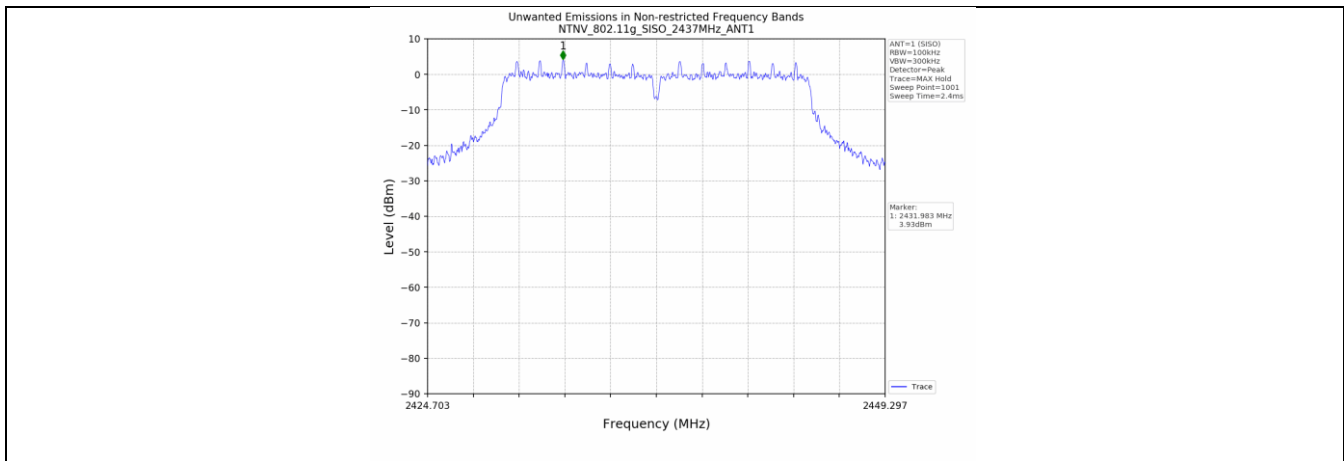
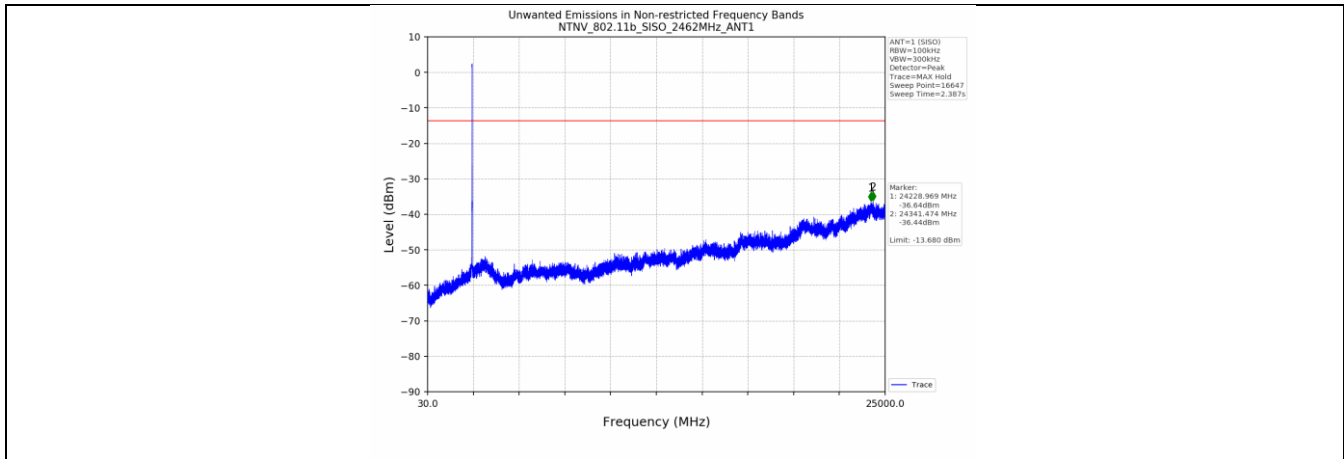
5.1 Test Result

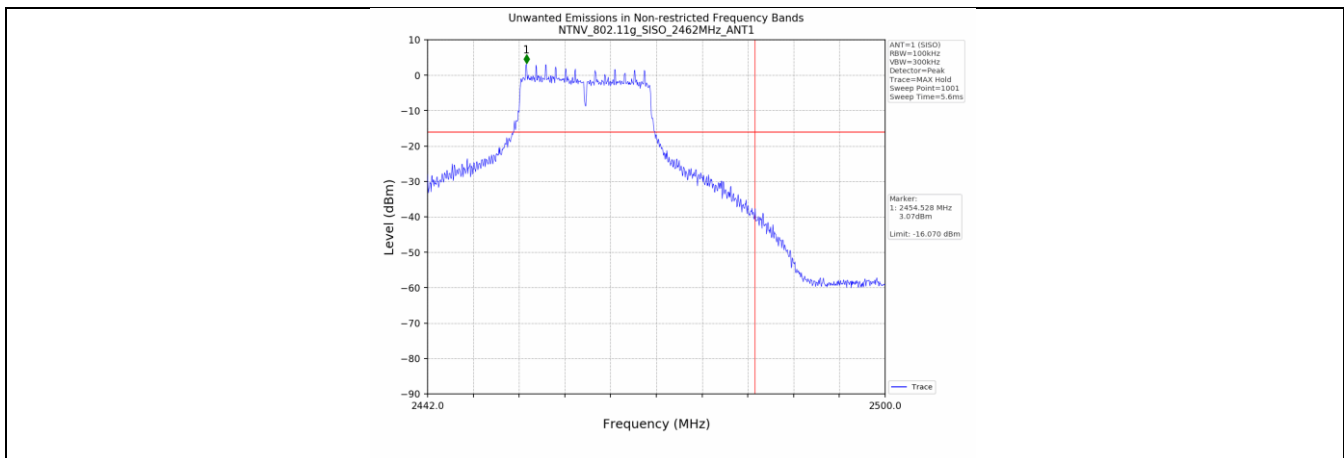
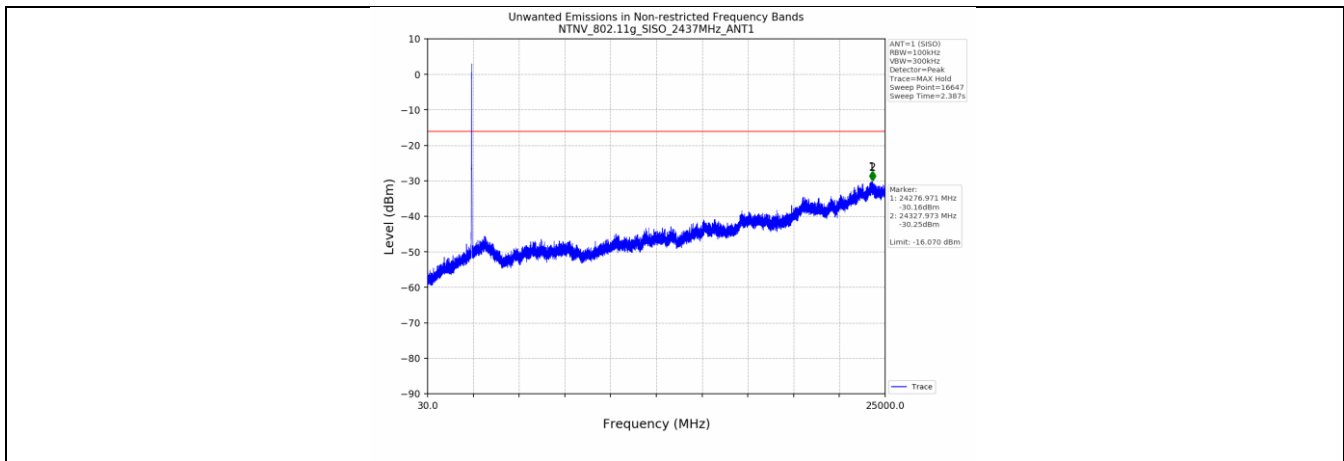
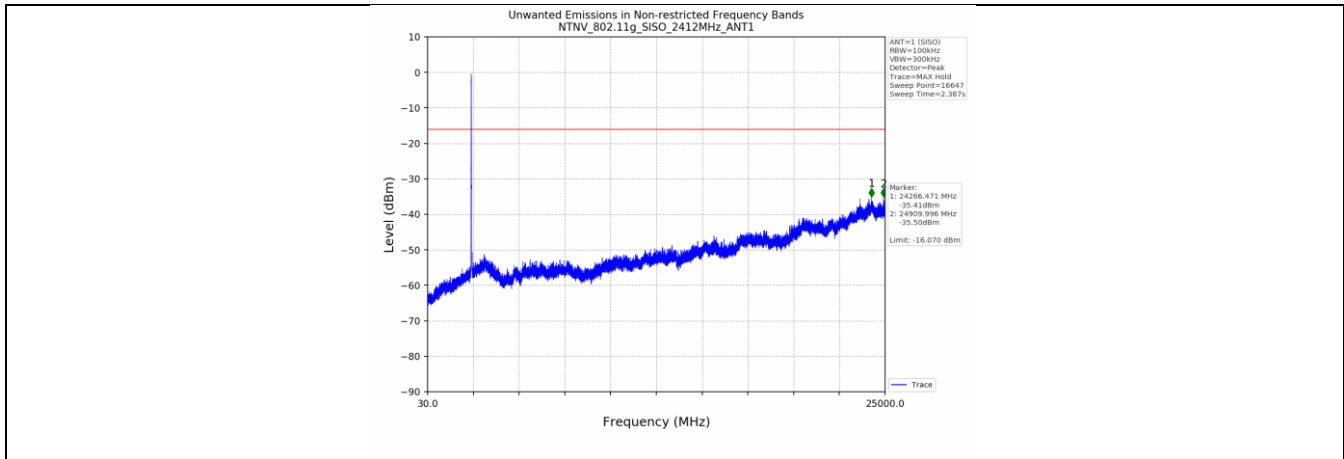
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-13.68	PASS
	2437	SISO	1	Refer to test graph	-13.68	PASS
	2462	SISO	1	Refer to test graph	-13.68	PASS
802.11g	2412	SISO	1	Refer to test graph	-16.07	PASS
	2437	SISO	1	Refer to test graph	-16.07	PASS
	2462	SISO	1	Refer to test graph	-16.07	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-16.15	PASS
	2437	SISO	1	Refer to test graph	-16.15	PASS
	2462	SISO	1	Refer to test graph	-16.15	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-21.51	PASS
	2437	SISO	1	Refer to test graph	-21.51	PASS
	2452	SISO	1	Refer to test graph	-21.51	PASS

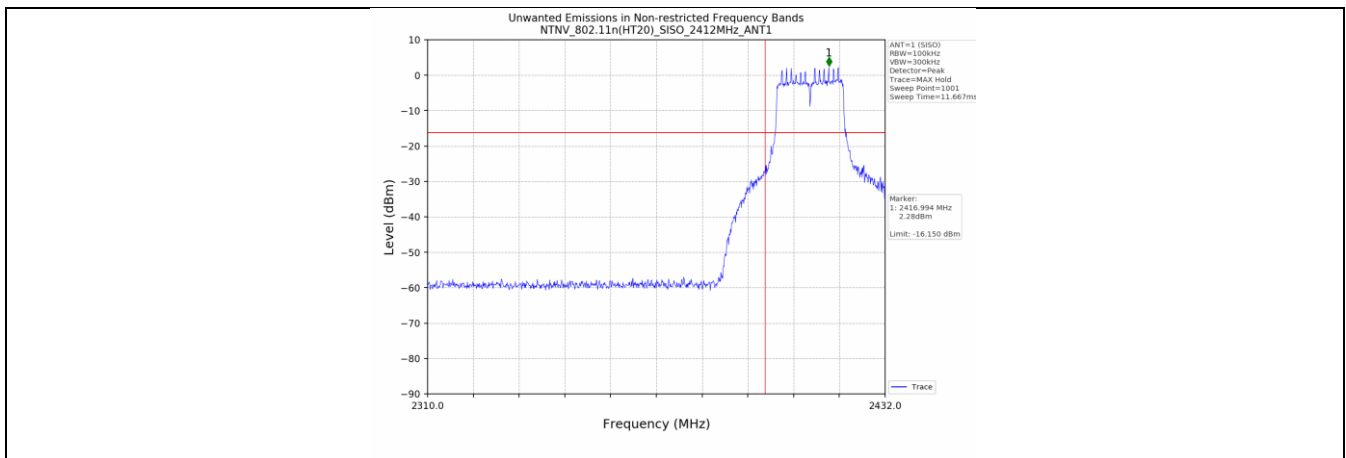
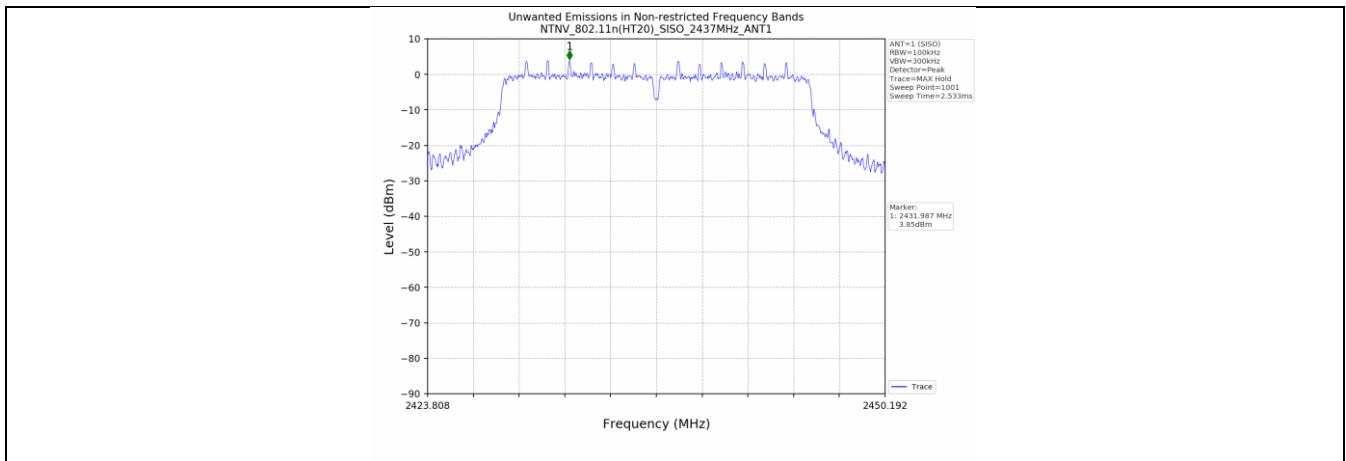
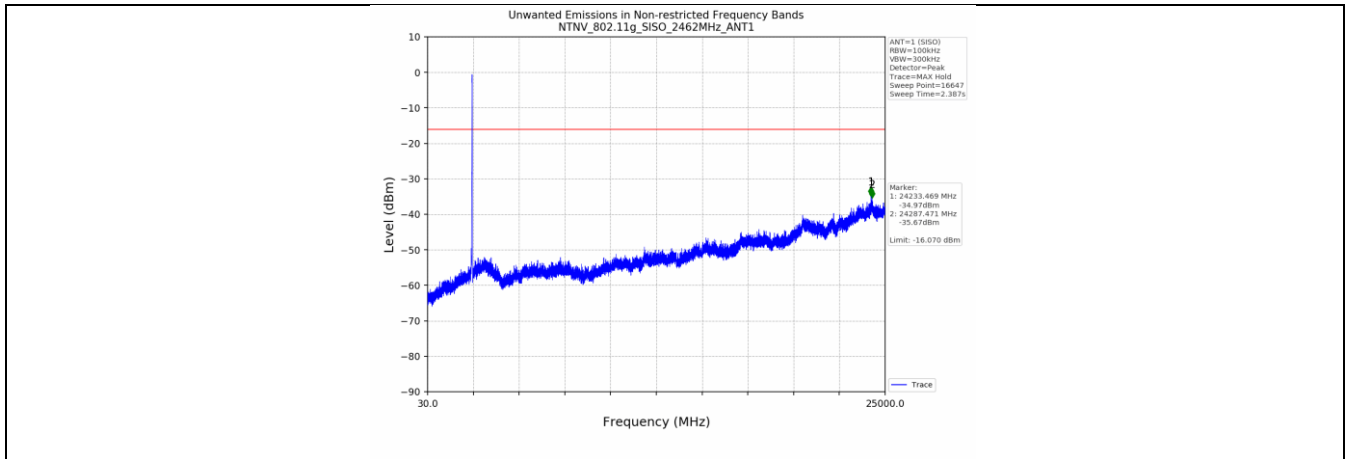
5.2 Test Graph

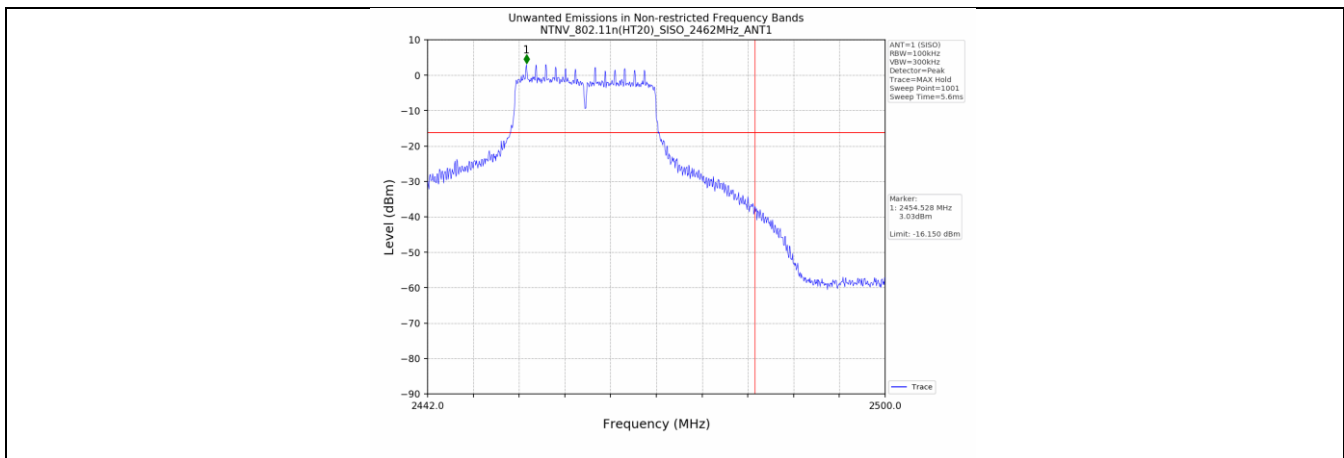
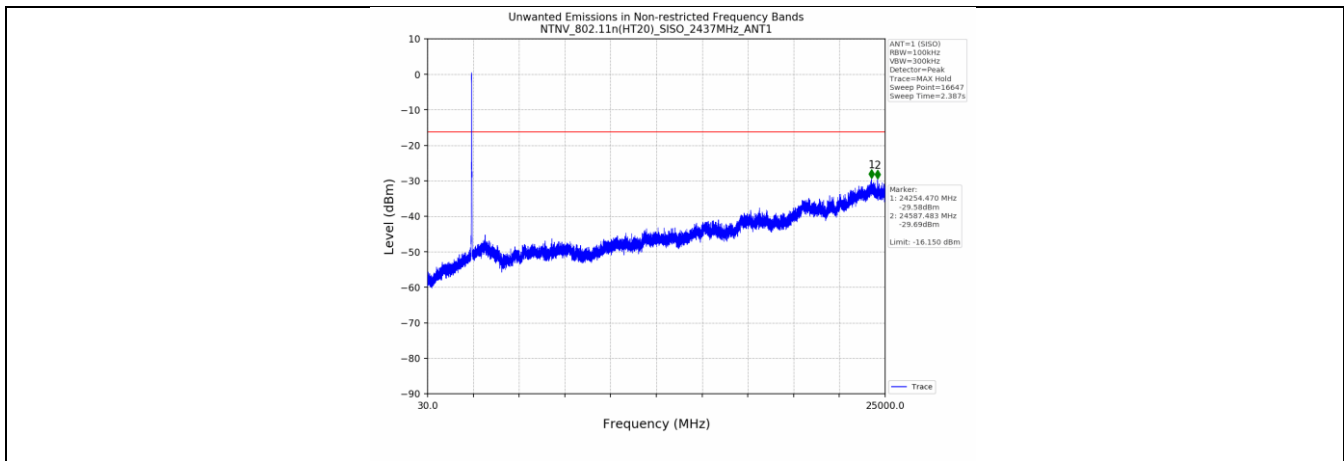
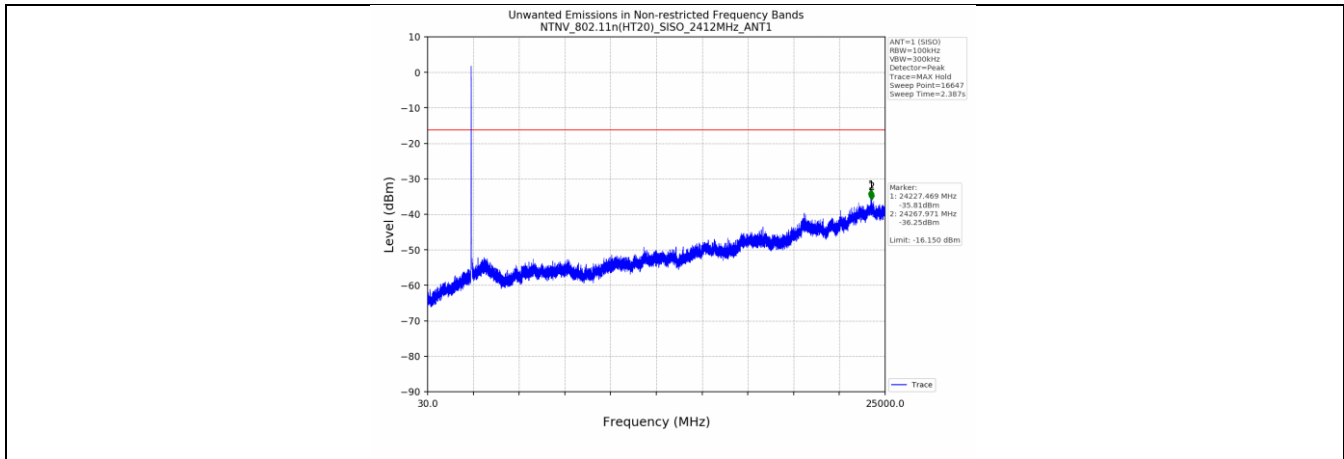


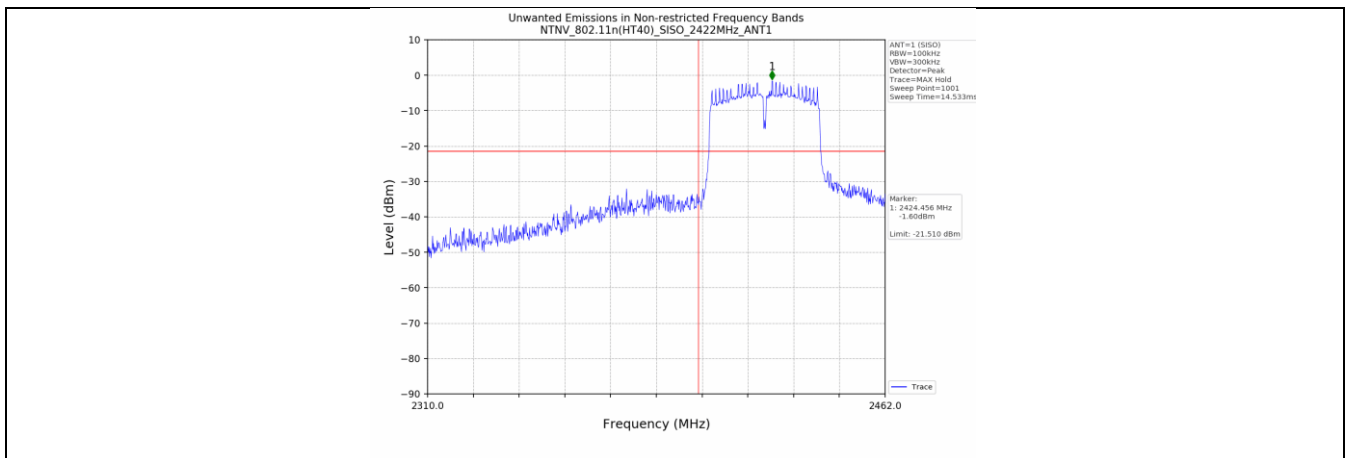
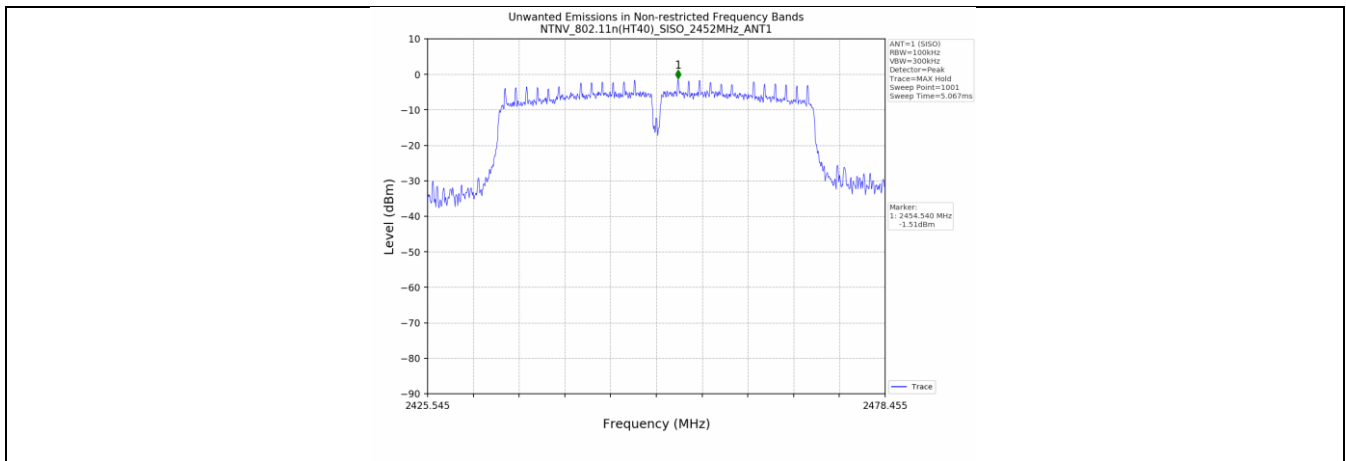
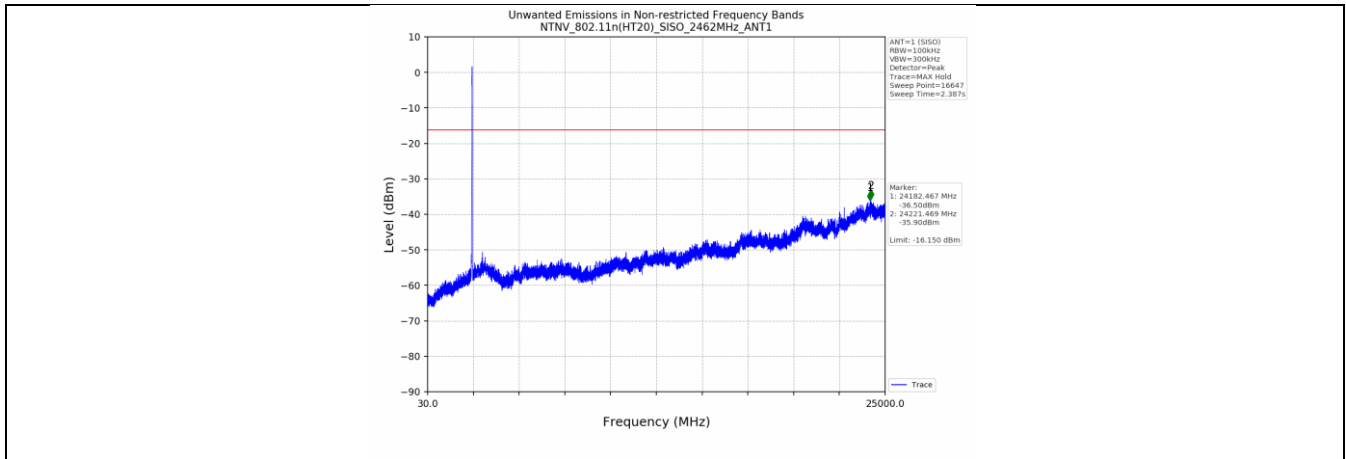


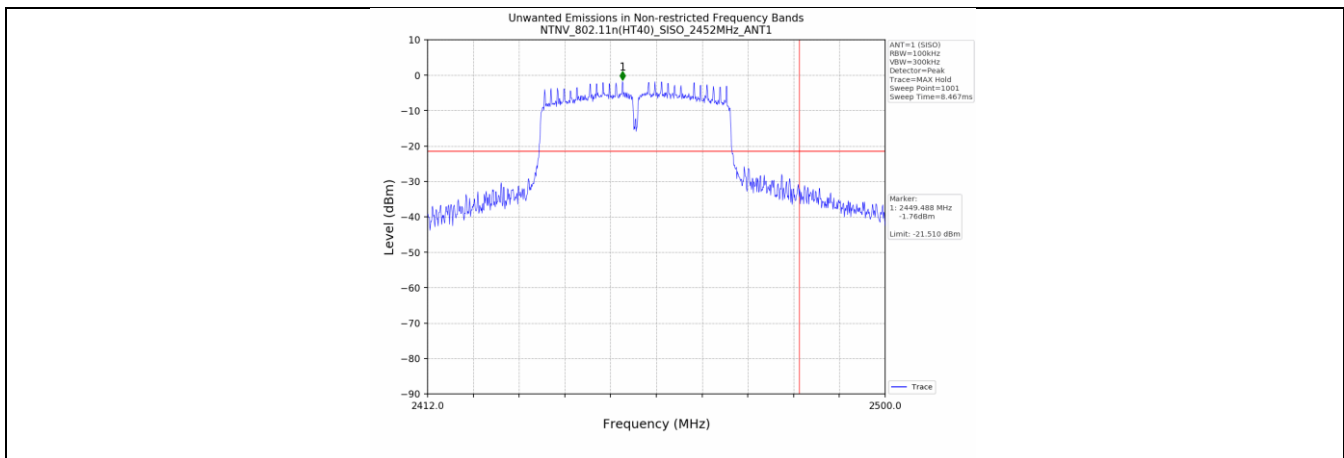
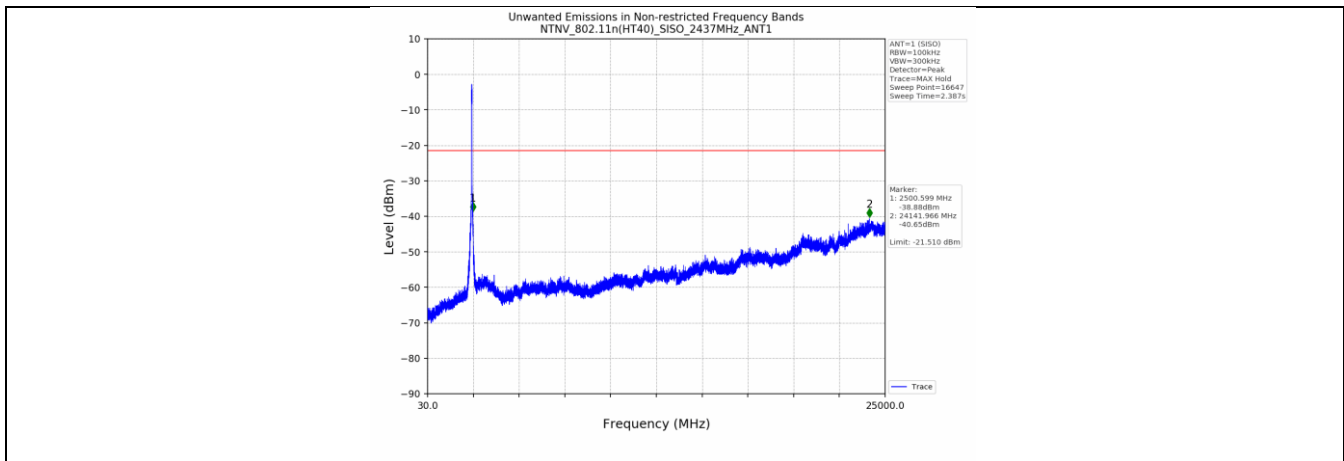
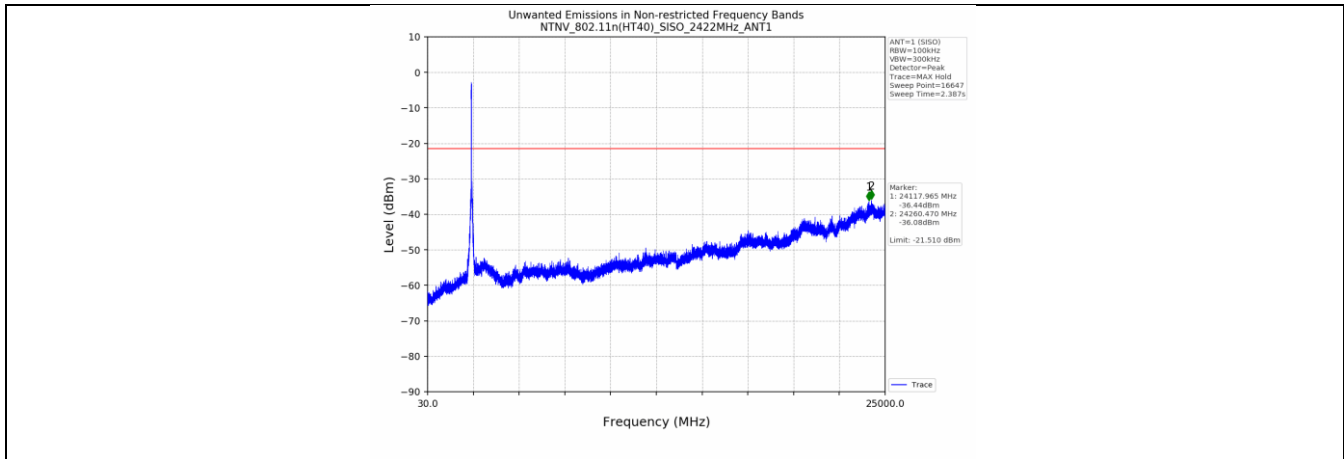


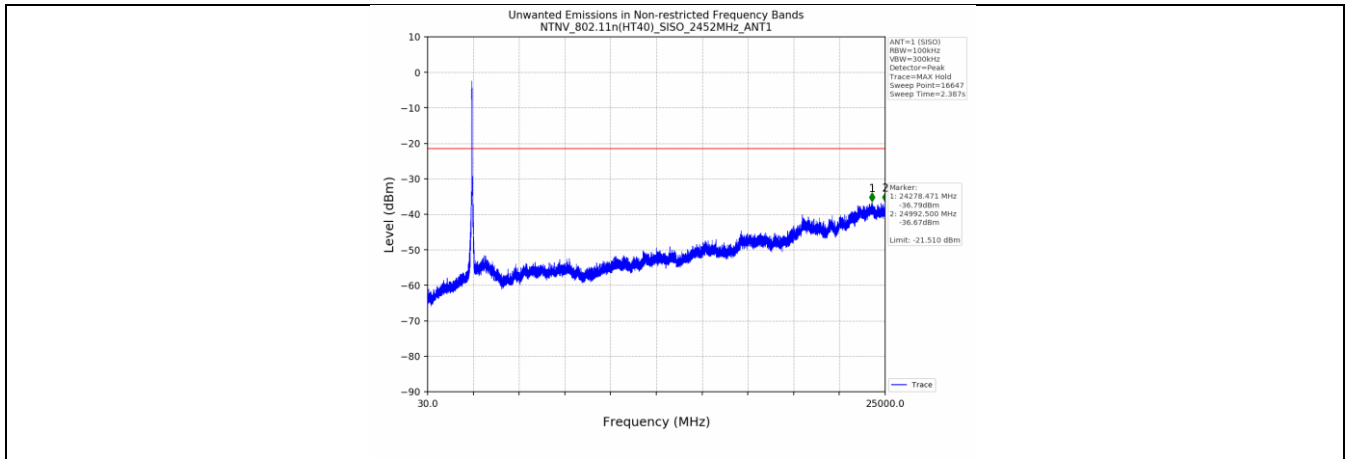












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