

Appendix for 15.247

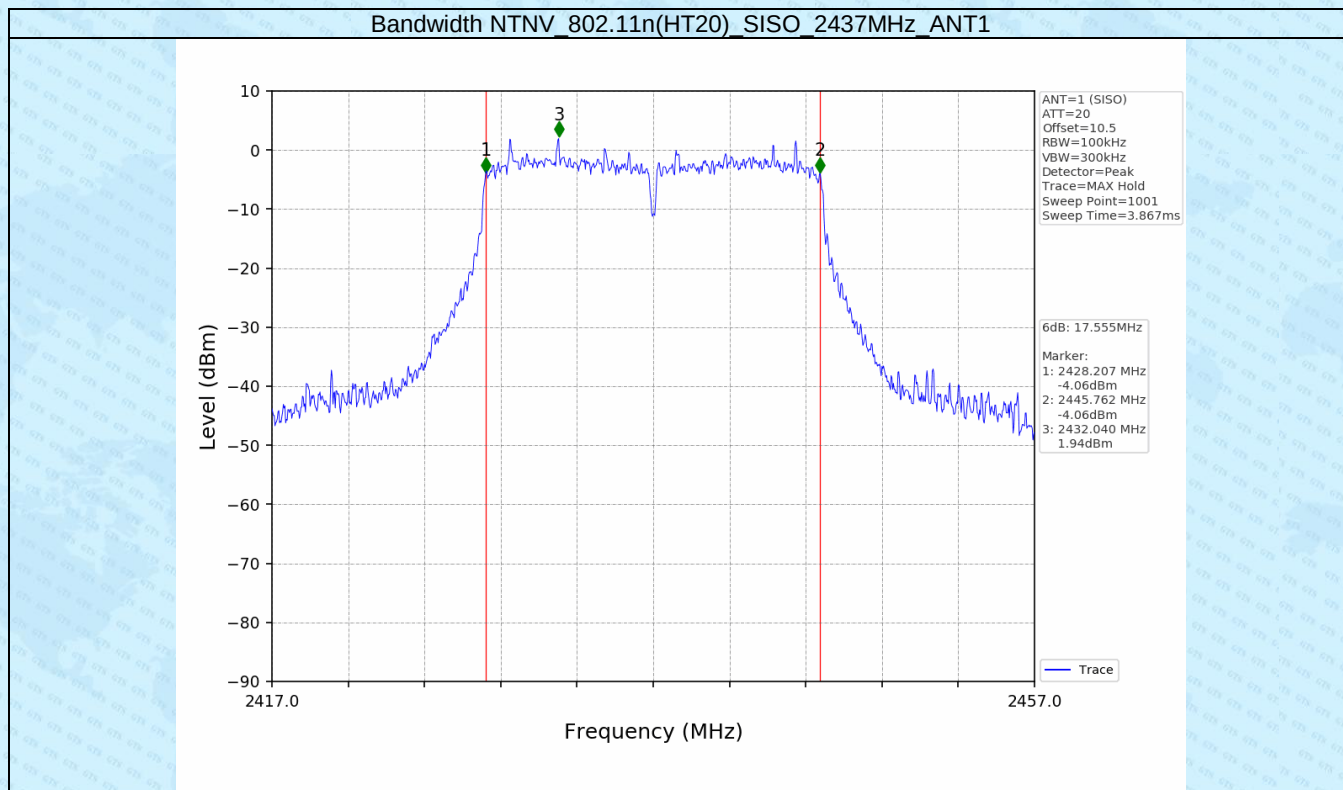
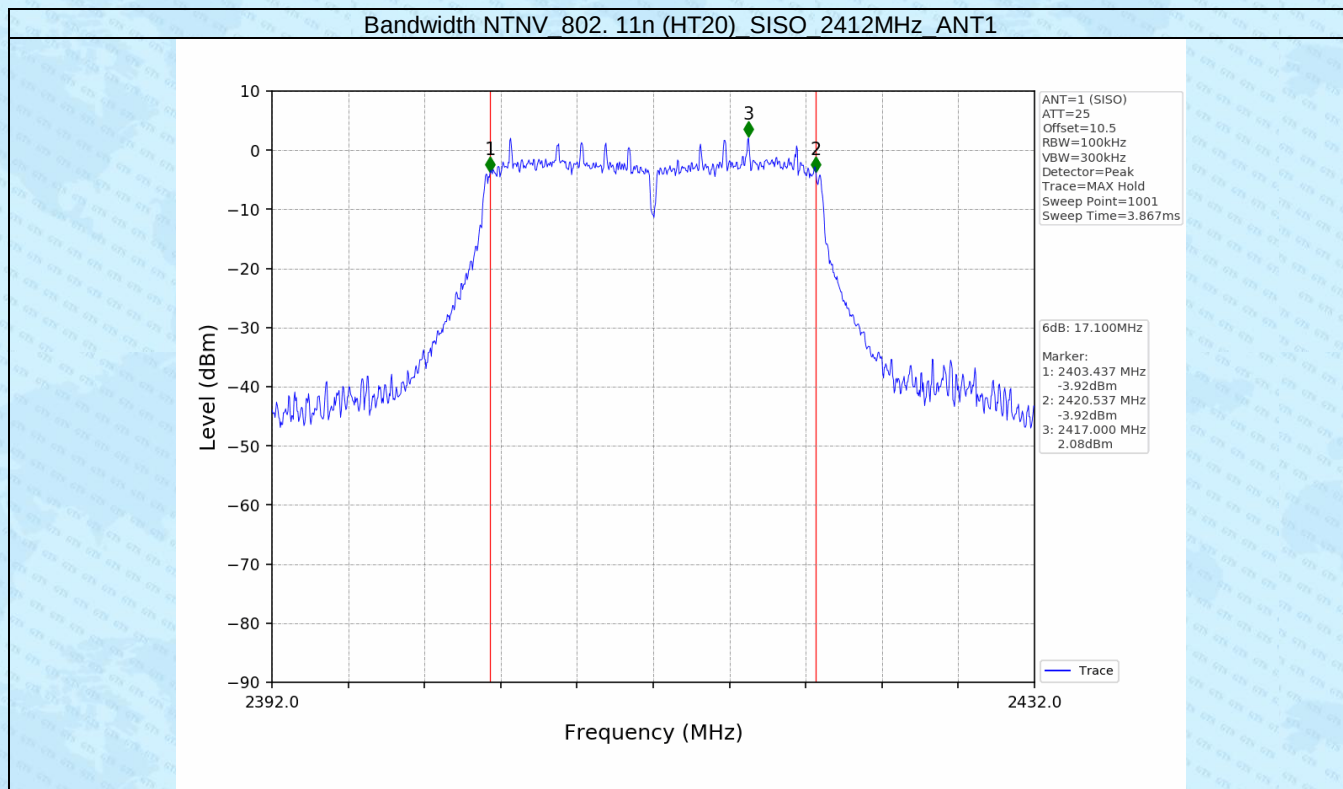
1. Bandwidth

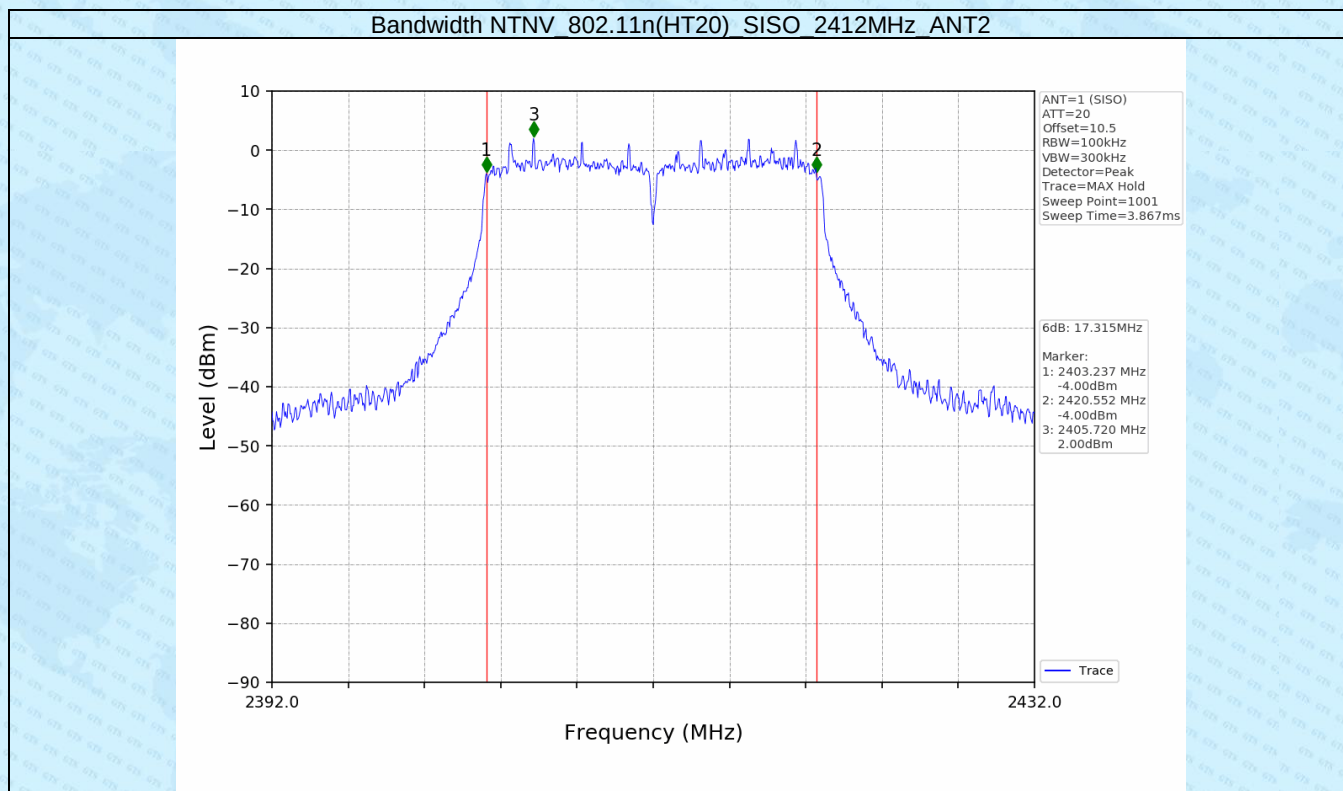
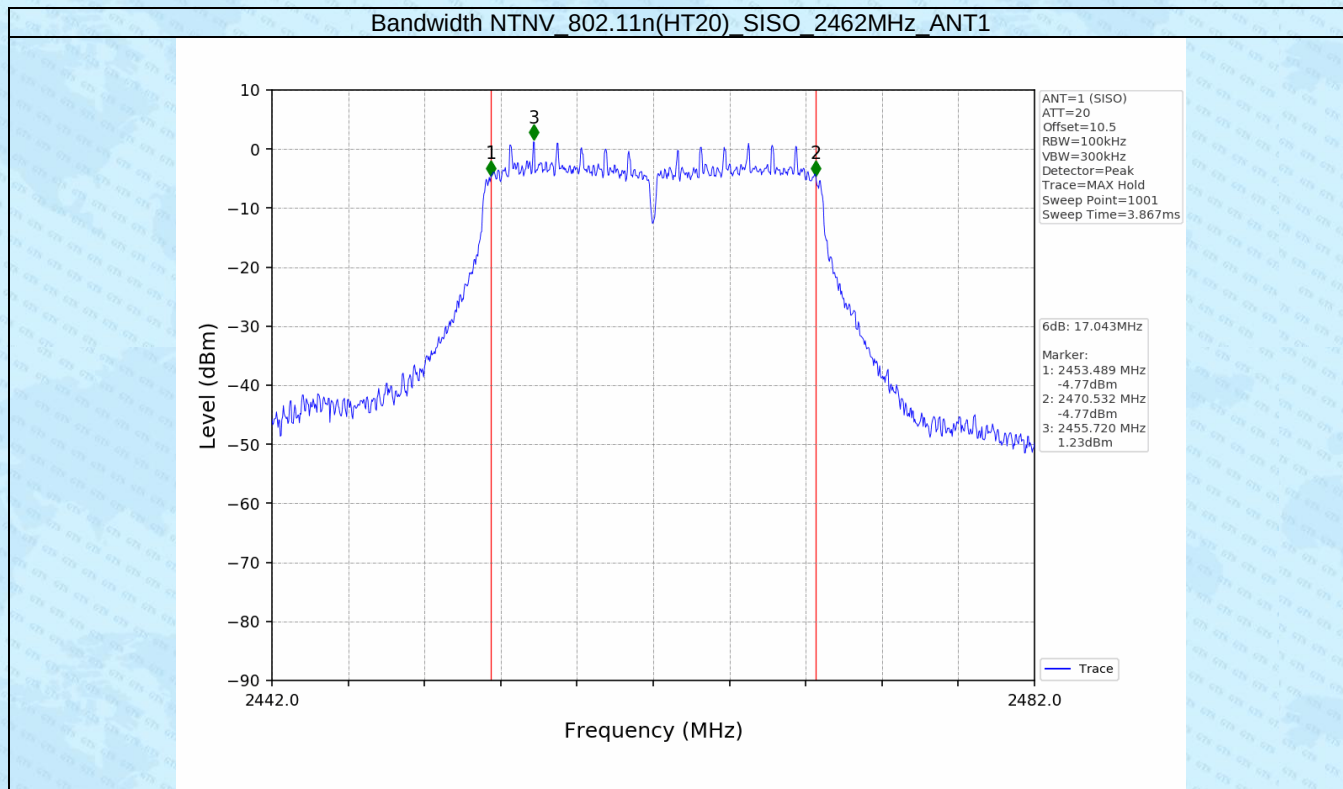
1.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth	Verdict
				Test Result (MHz)	
802.11n(HT20)	2412	SISO	1	17.100	PASS
	2437	SISO	1	17.555	PASS
	2462	SISO	1	17.043	PASS
	2412	SISO	2	17.315	PASS
	2437	SISO	2	17.105	PASS
	2462	SISO	2	17.056	PASS

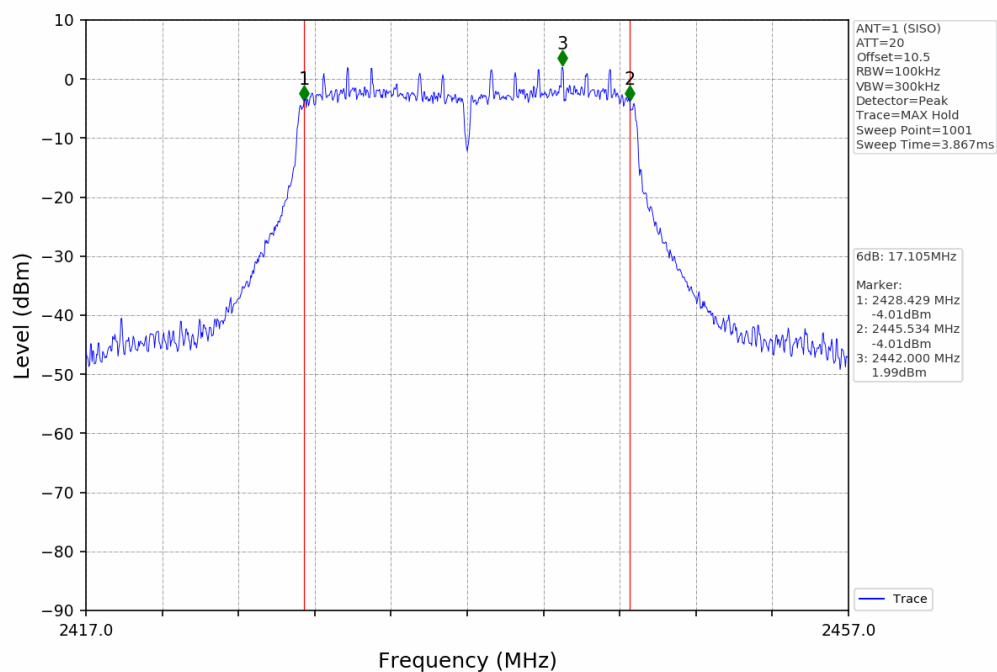
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11n(HT20)	2412	SISO	1	17.779	Only for Report Use
	2437	SISO	1	17.738	Only for Report Use
	2462	SISO	1	17.899	Only for Report Use
	2412	SISO	2	17.756	Only for Report Use
	2437	SISO	2	17.768	Only for Report Use
	2462	SISO	2	17.769	Only for Report Use

1.2 Test Graph - 6dB Bandwidth

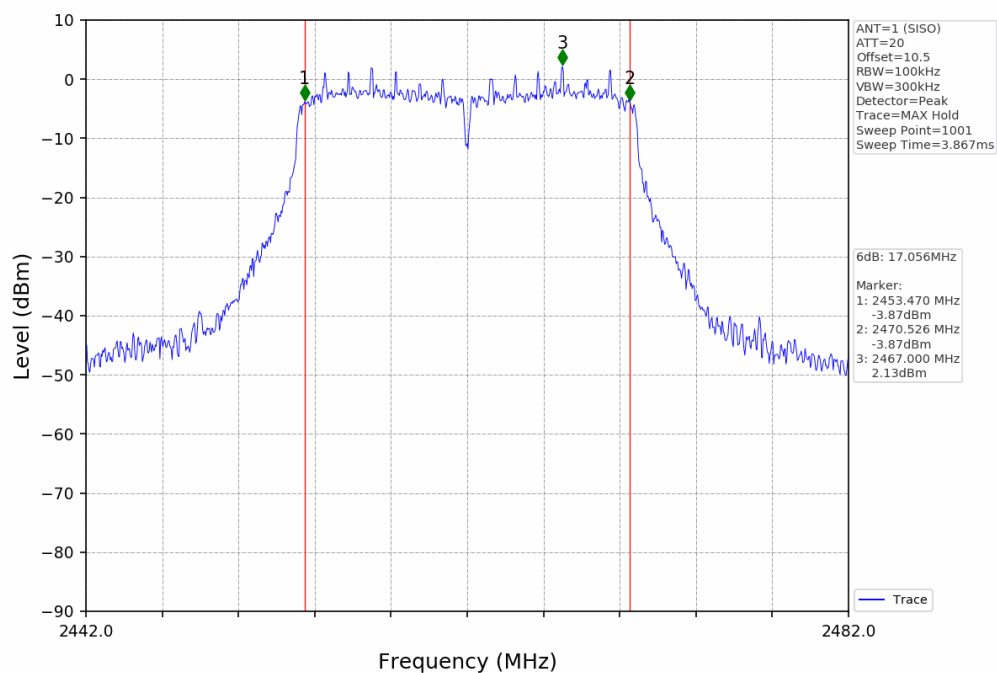




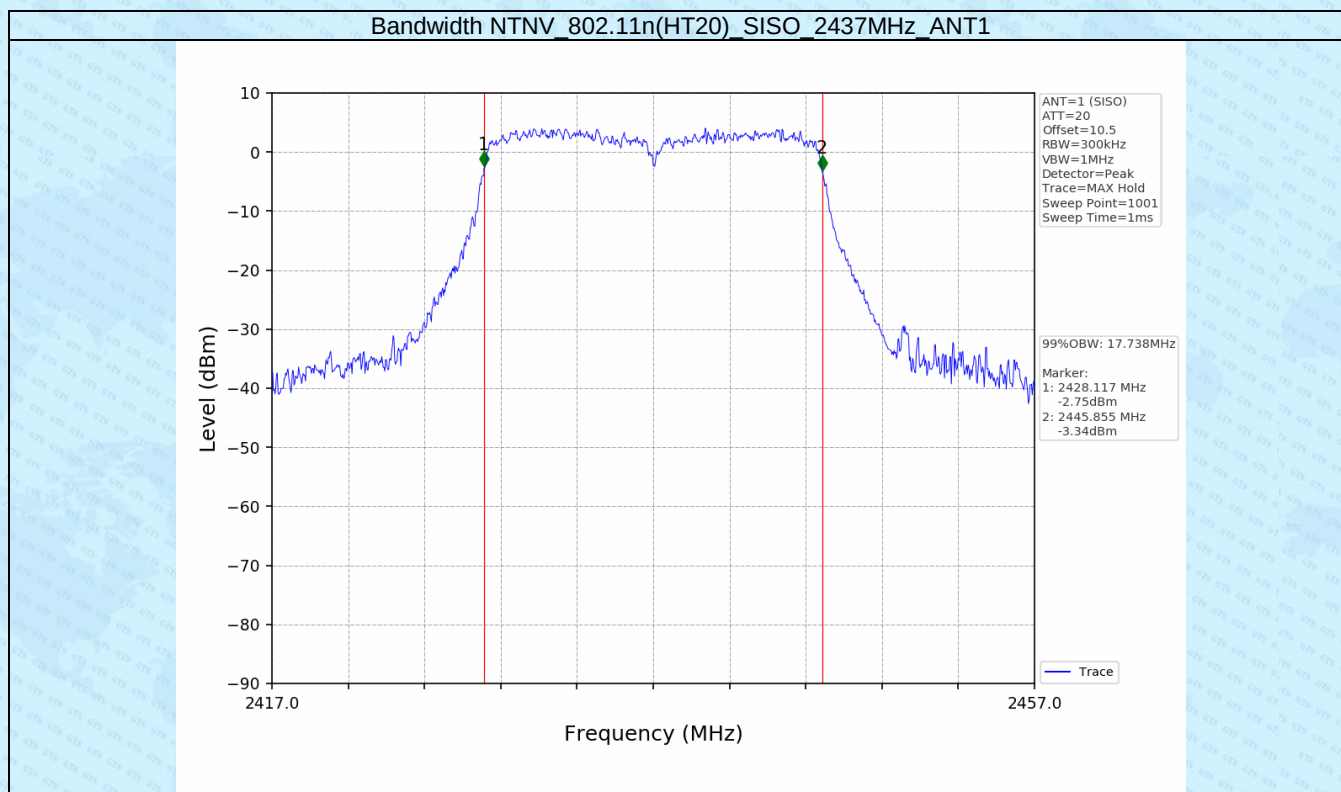
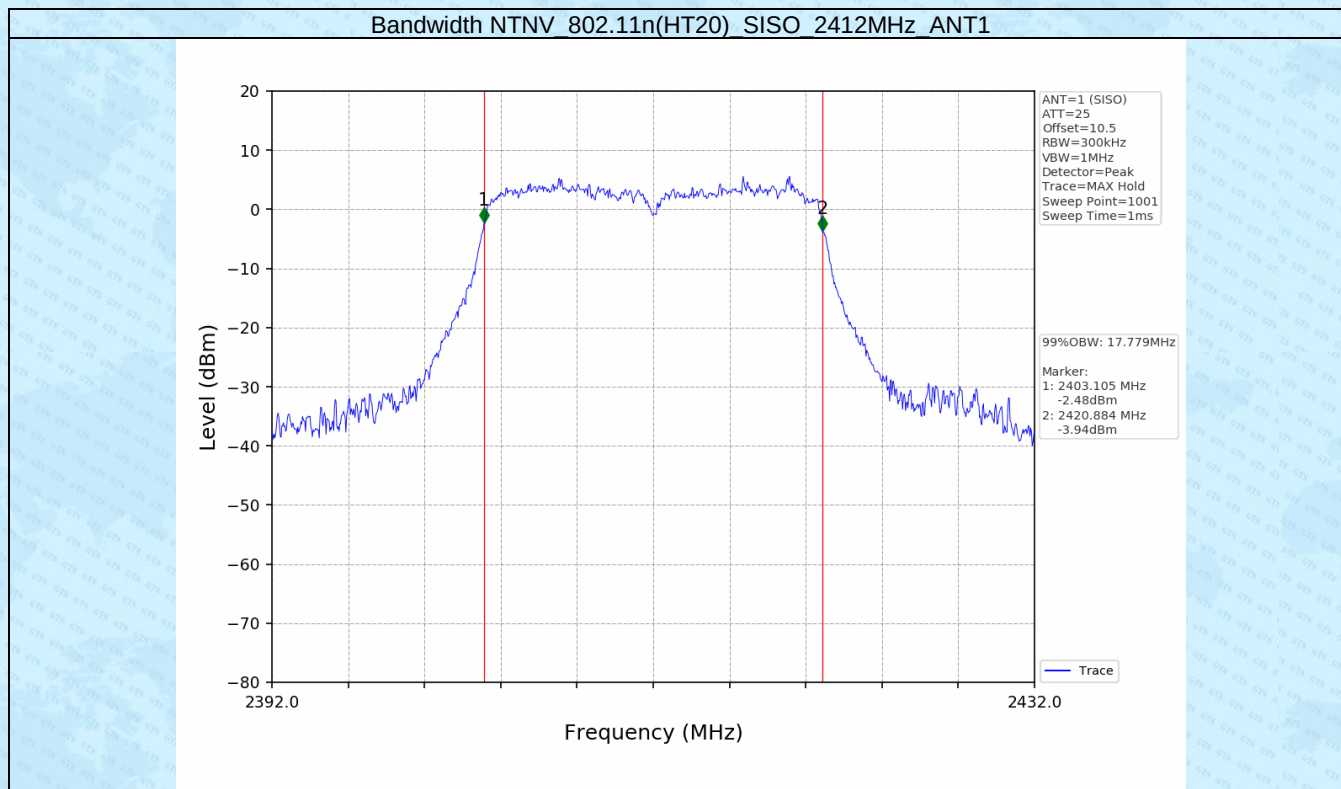
Bandwidth NTNV 802.11n(HT20) SISO 2437MHz ANT2

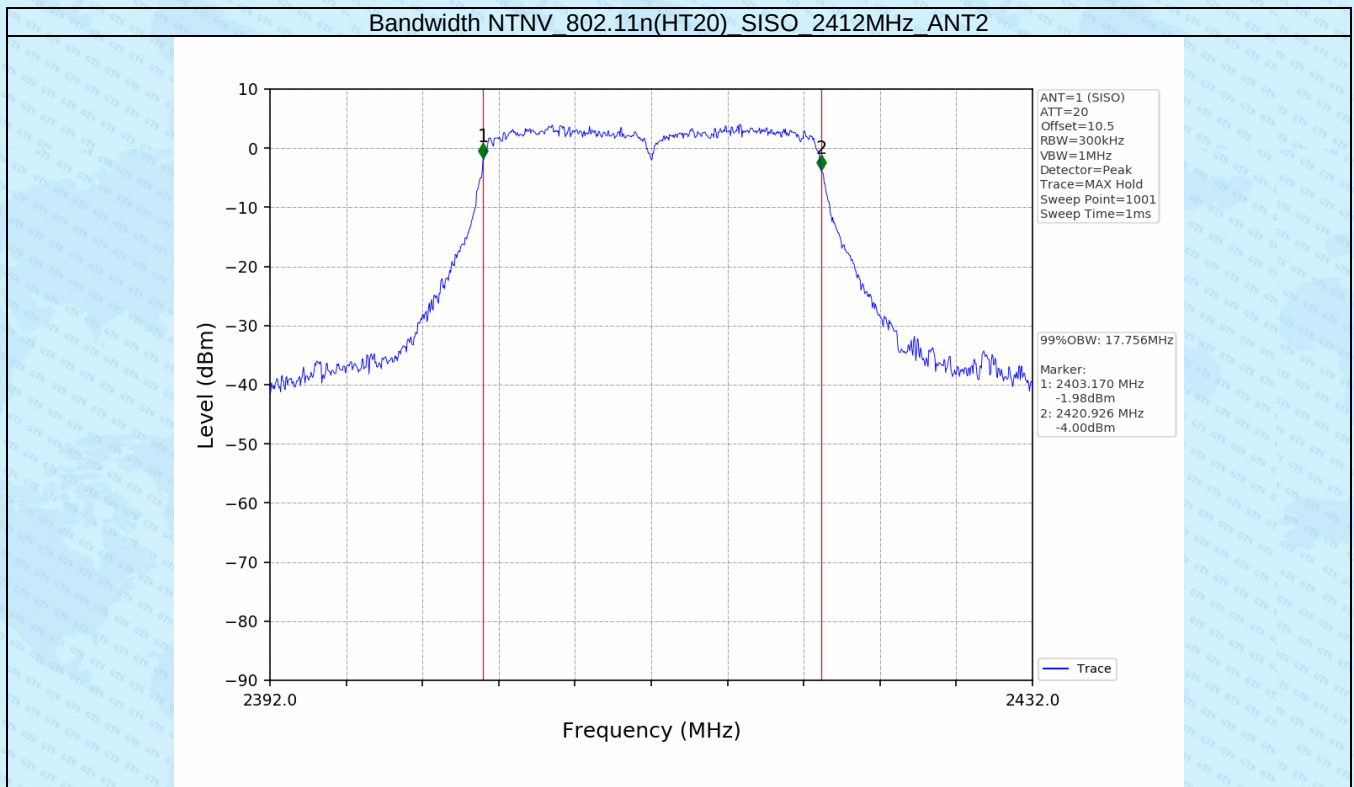
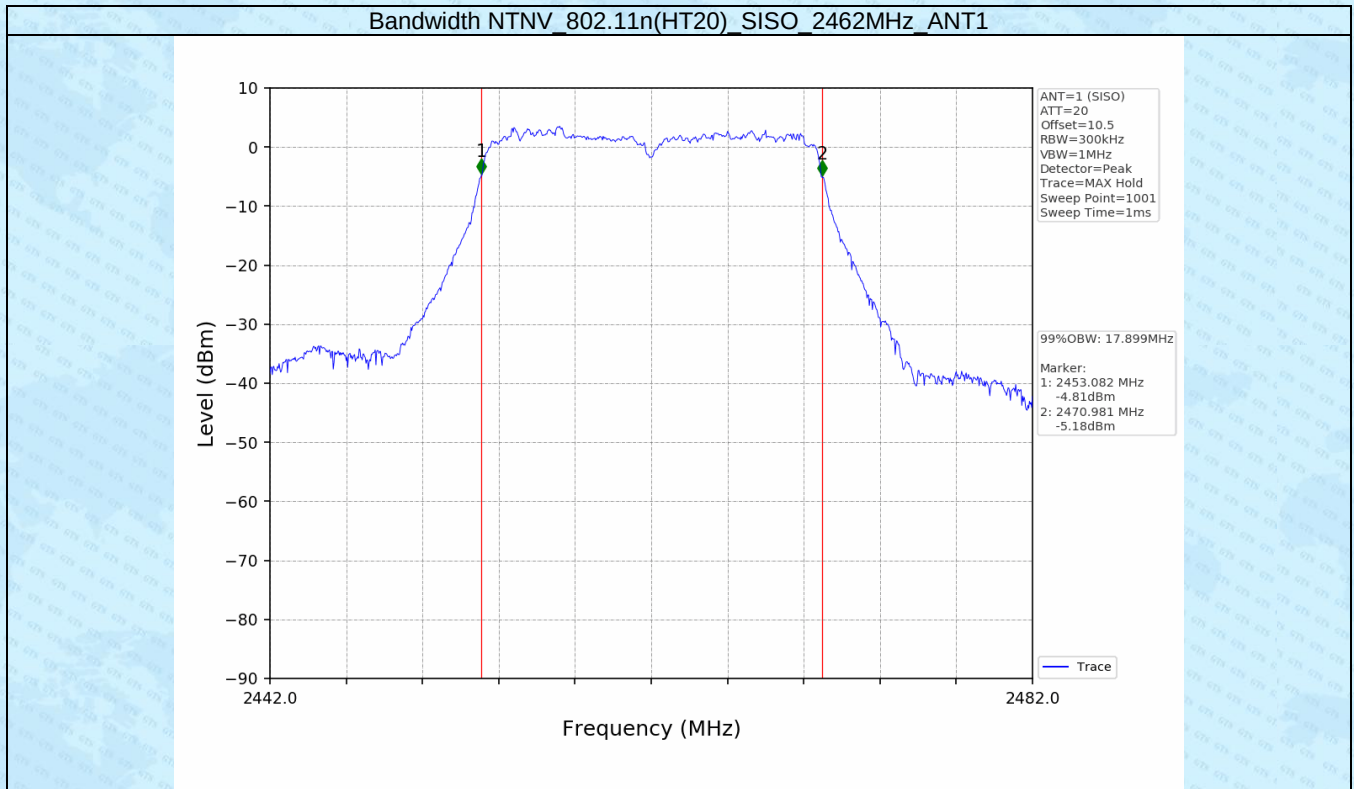


Bandwidth NTNV 802.11n(HT20) SISO 2462MHz ANT2

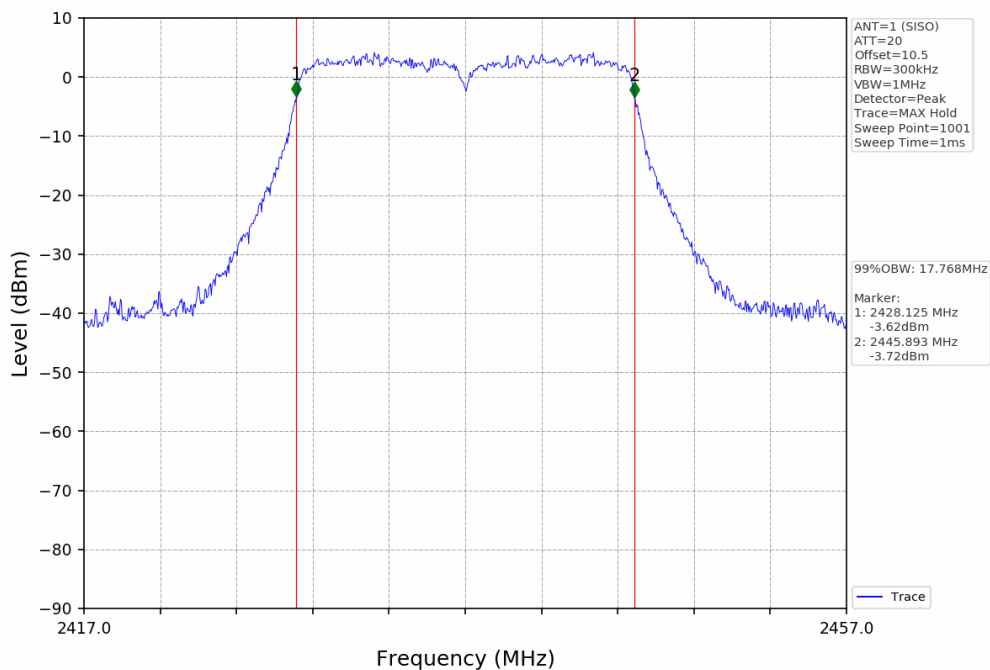


2.3 Test Graph - 99% Occupied Bandwidth

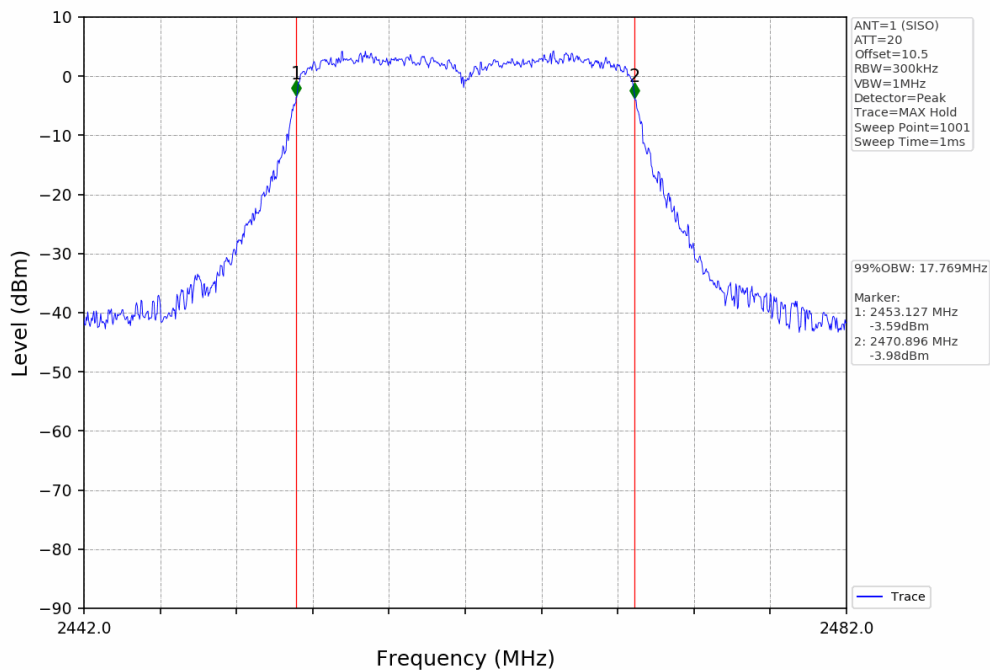




Bandwidth NTNV 802.11n(HT20) SISO 2437MHz ANT2



Bandwidth NTNV 802.11n(HT20) SISO 2462MHz ANT2



2. Maximum Conducted Output Power

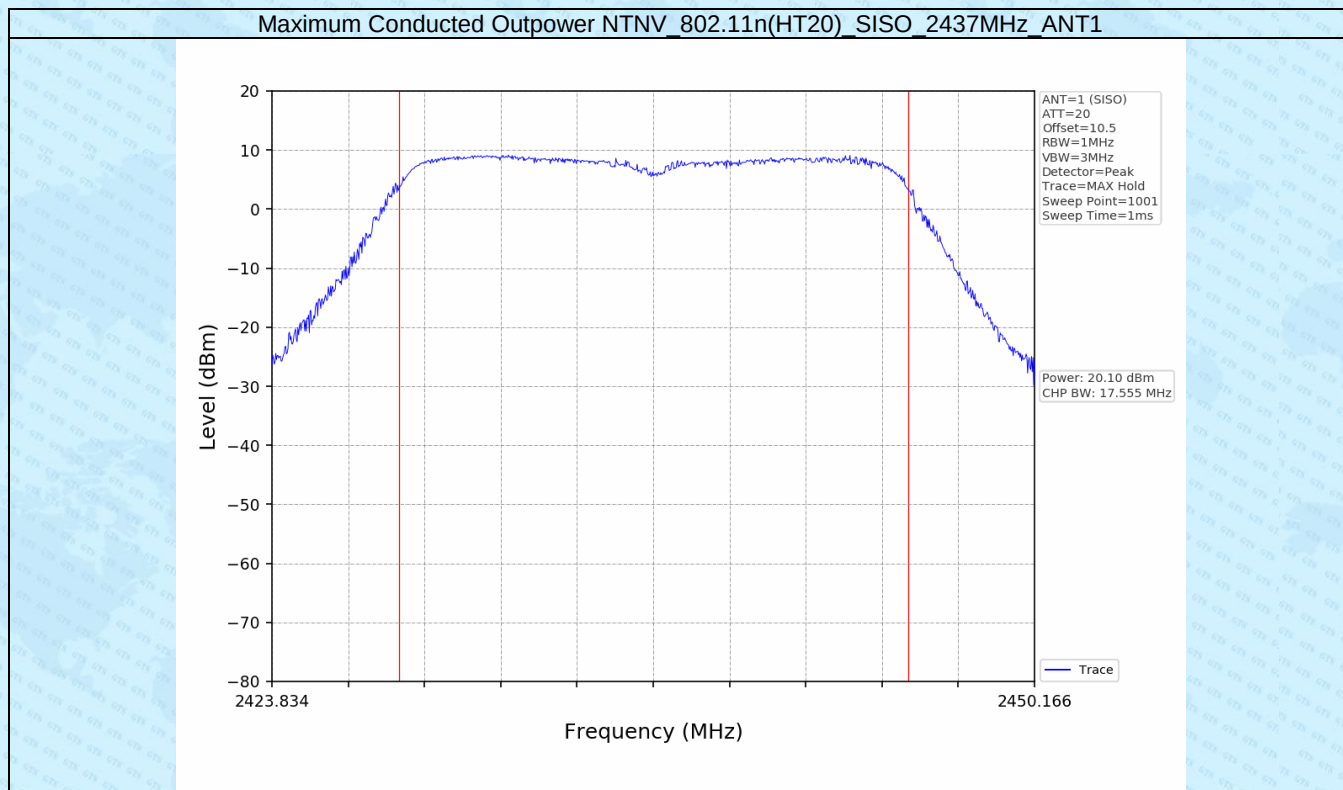
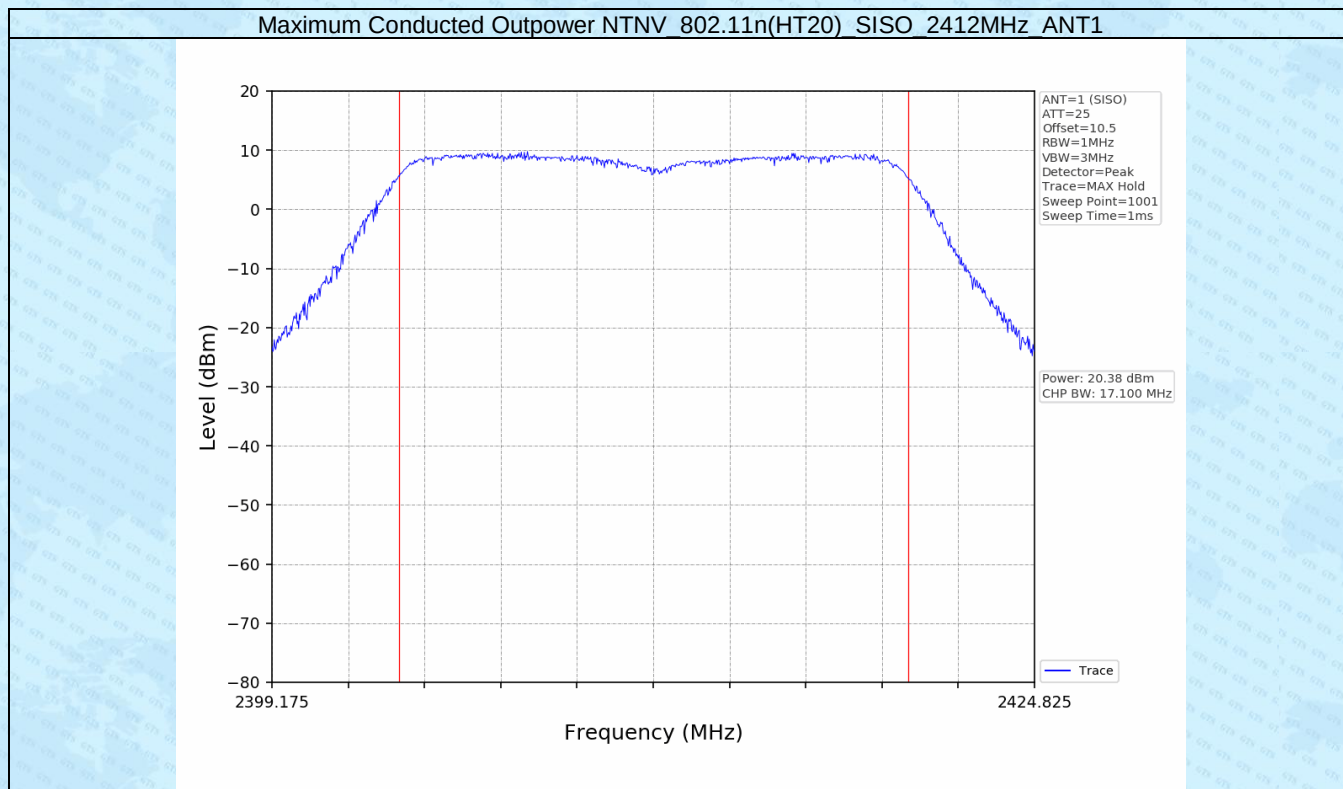
2.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11n(HT20)	2412	SISO	20.38	30	PASS
	2437	SISO	20.10	30	PASS
	2462	SISO	19.40	30	PASS

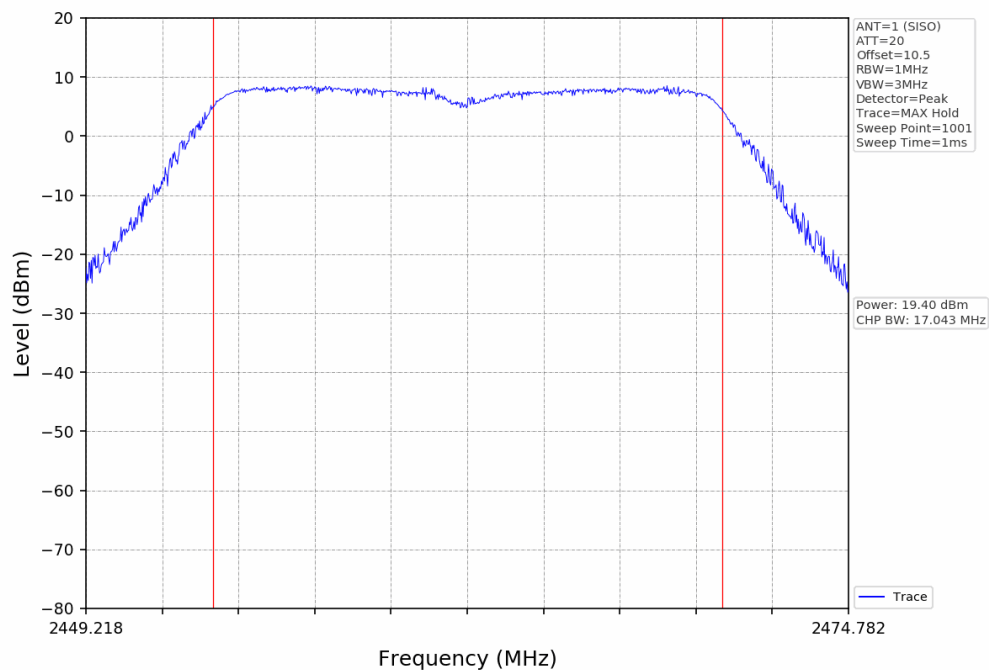
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 2		
802.11n(HT20)	2412	SISO	20.82	30	PASS
	2437	SISO	20.58	30	PASS
	2462	SISO	20.44	30	PASS

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
802.11n(HT20)	2412	MIMO	23.62	30	PASS
	2437	MIMO	23.36	30	PASS
	2462	MIMO	22.96	30	PASS

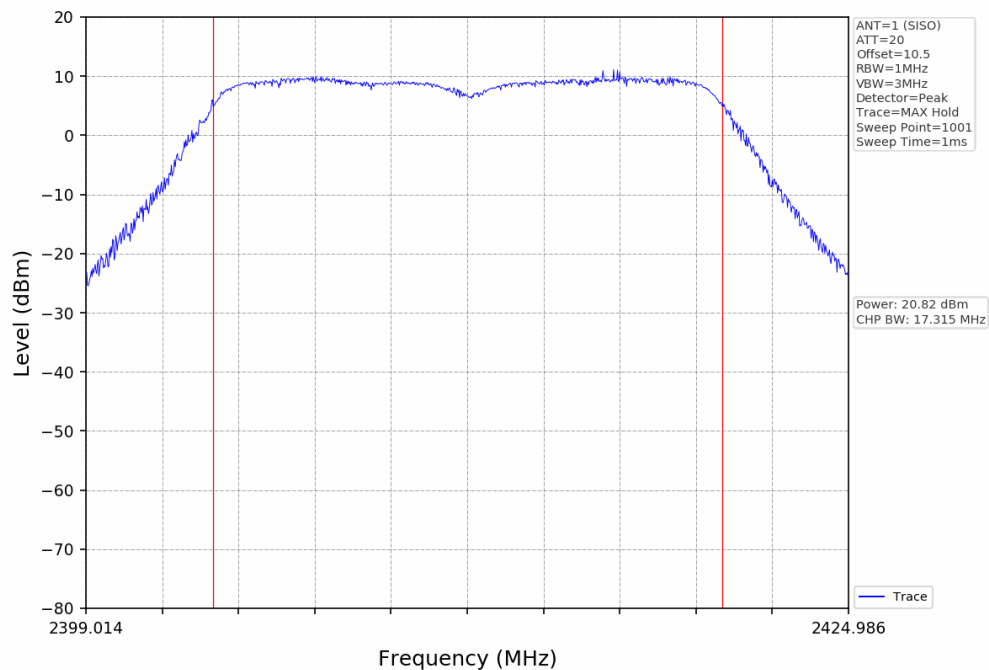
2.2 Test Graph



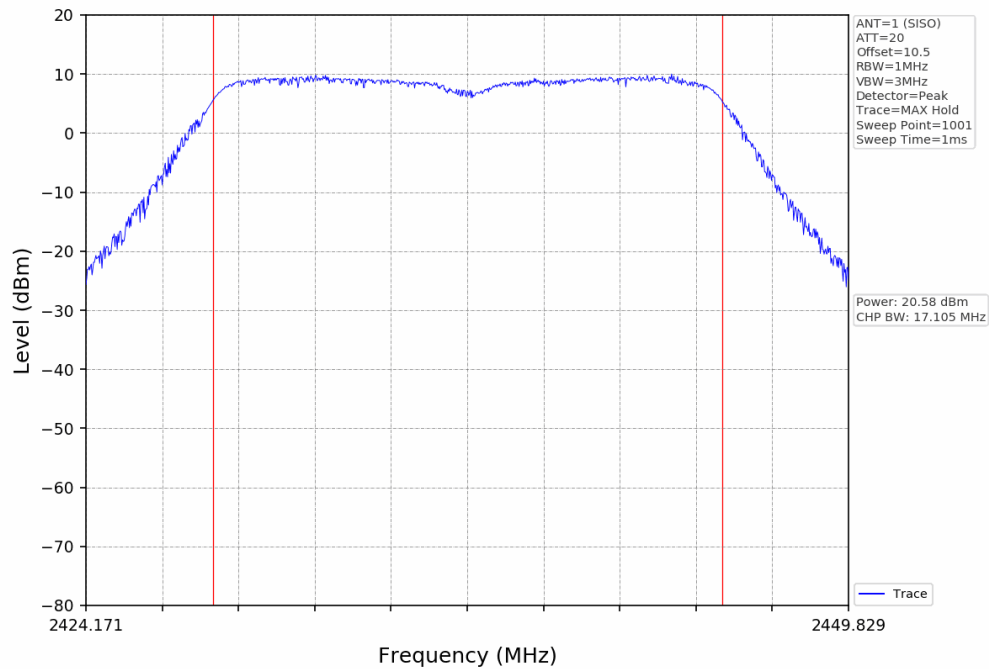
Maximum Conducted Outpower NTN 802.11n(HT20) SISO 2462MHz ANT1



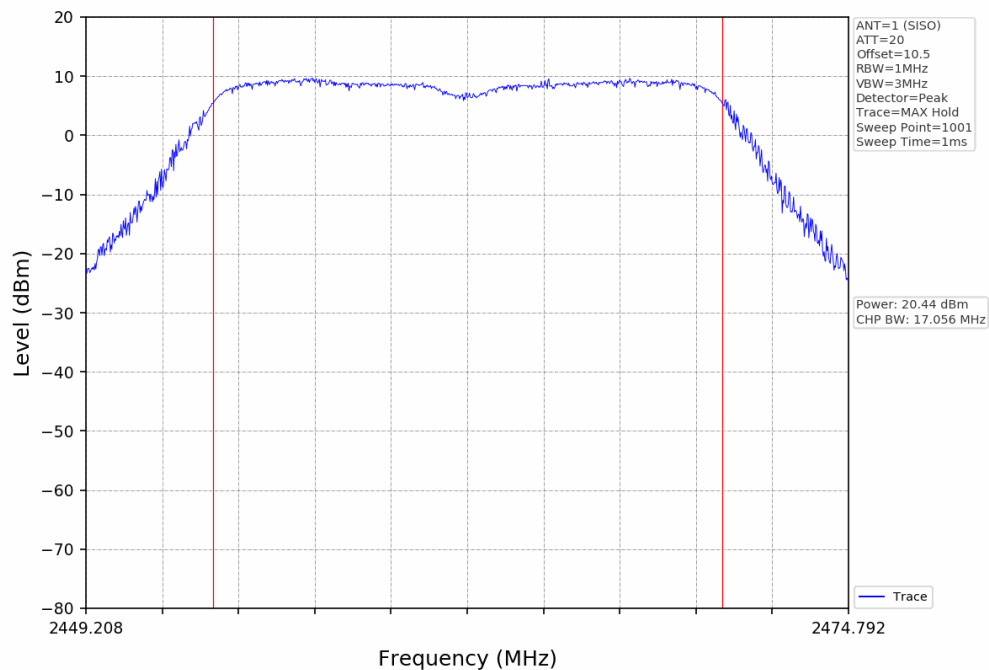
Maximum Conducted Outpower NTN 802.11n(HT20) SISO 2412MHz ANT2



Maximum Conducted Outpower NTN 802.11n(HT20) SISO 2437MHz ANT2



Maximum Conducted Outpower NTN 802.11n(HT20) SISO 2462MHz ANT2



3. Maximum Power Spectral Density (PSD)

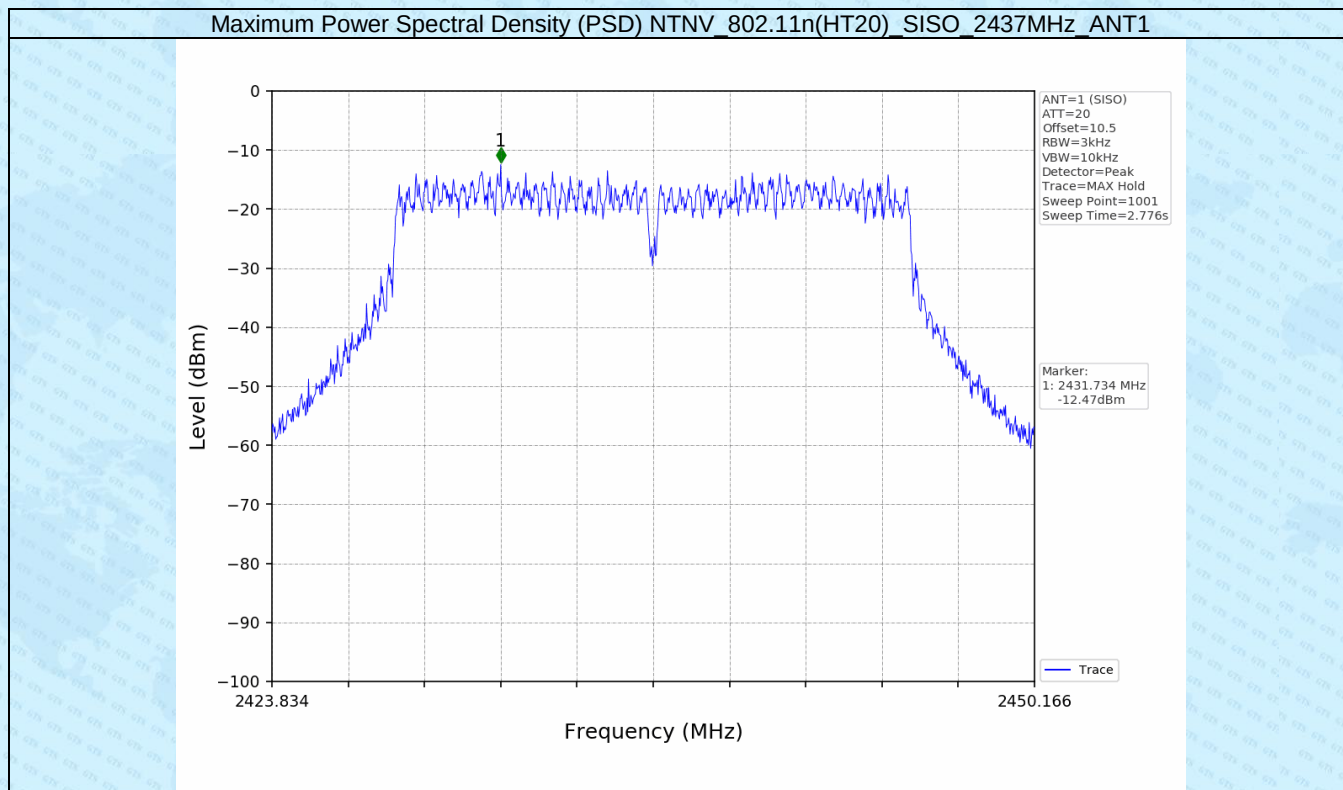
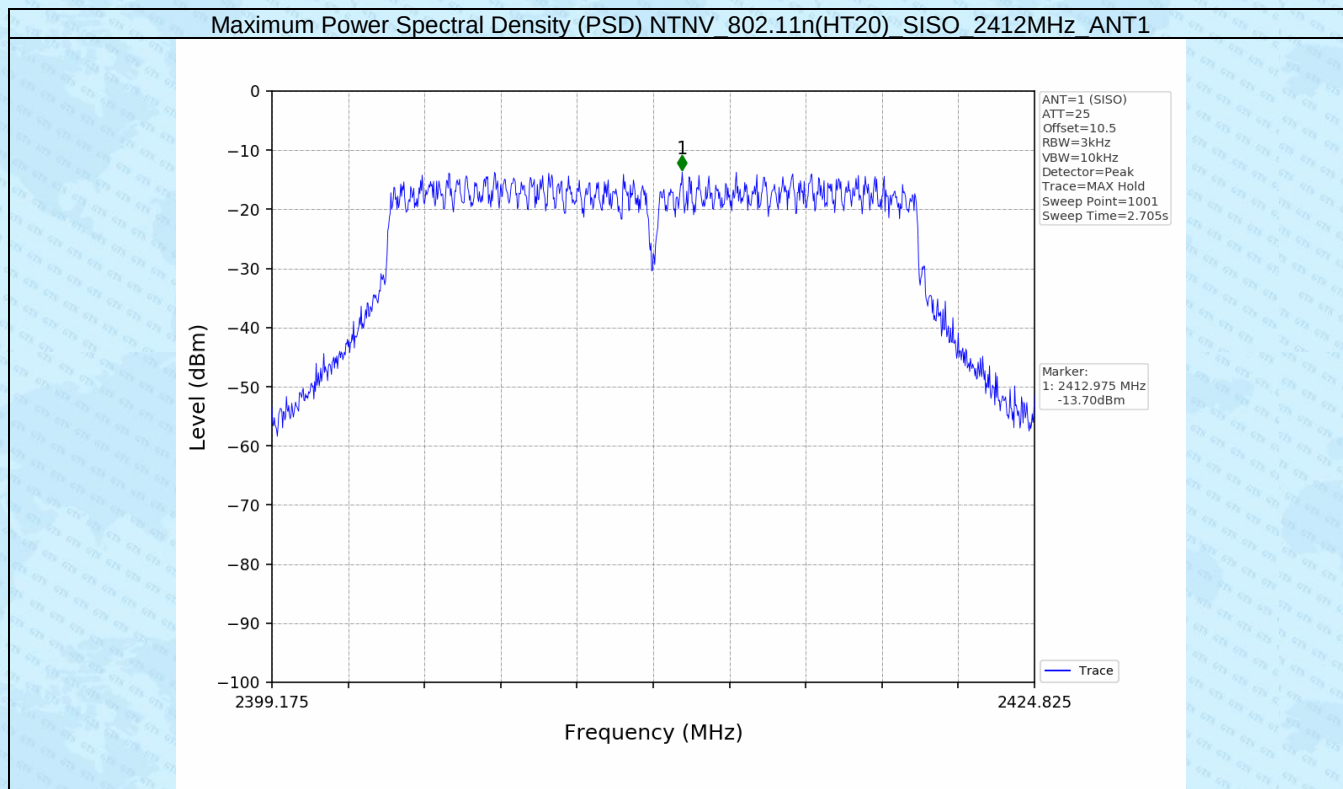
3.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11n(HT20)	2412	SISO	-13.70	≤8	PASS
	2437	SISO	-12.47	≤8	PASS
	2462	SISO	-13.37	≤8	PASS

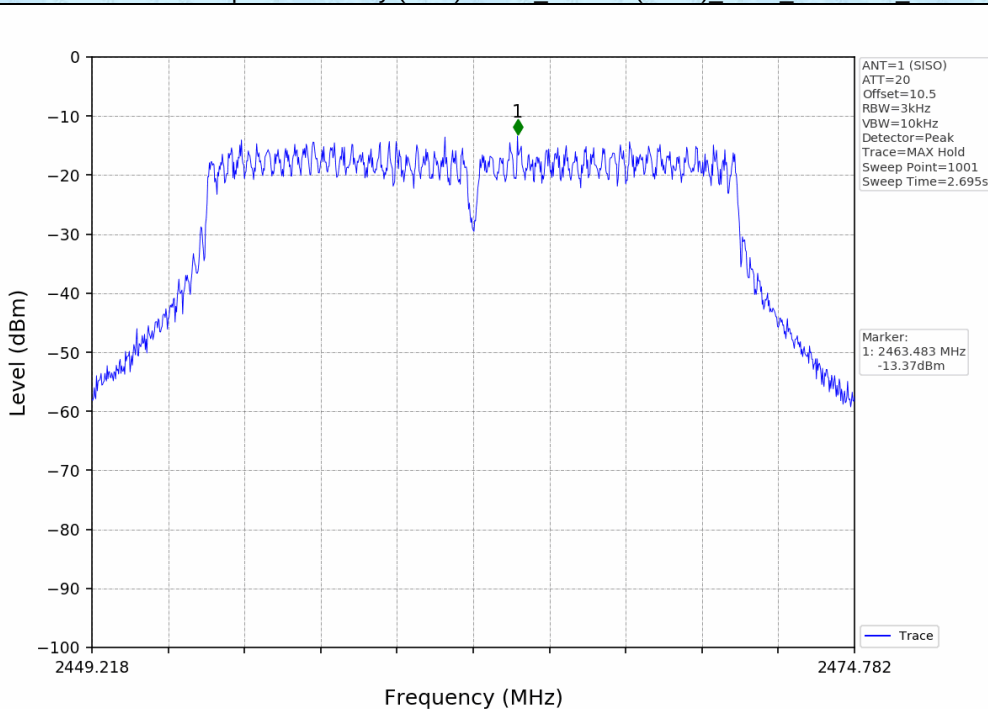
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 2		
802.11n(HT20)	2412	SISO	-11.82	≤8	PASS
	2437	SISO	-12.85	≤8	PASS
	2462	SISO	-12.83	≤8	PASS

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
802.11n(HT20)	2412	MIMO	-9.65	≤8	PASS
	2437	MIMO	-9.65	≤8	PASS
	2462	MIMO	-10.08	≤8	PASS

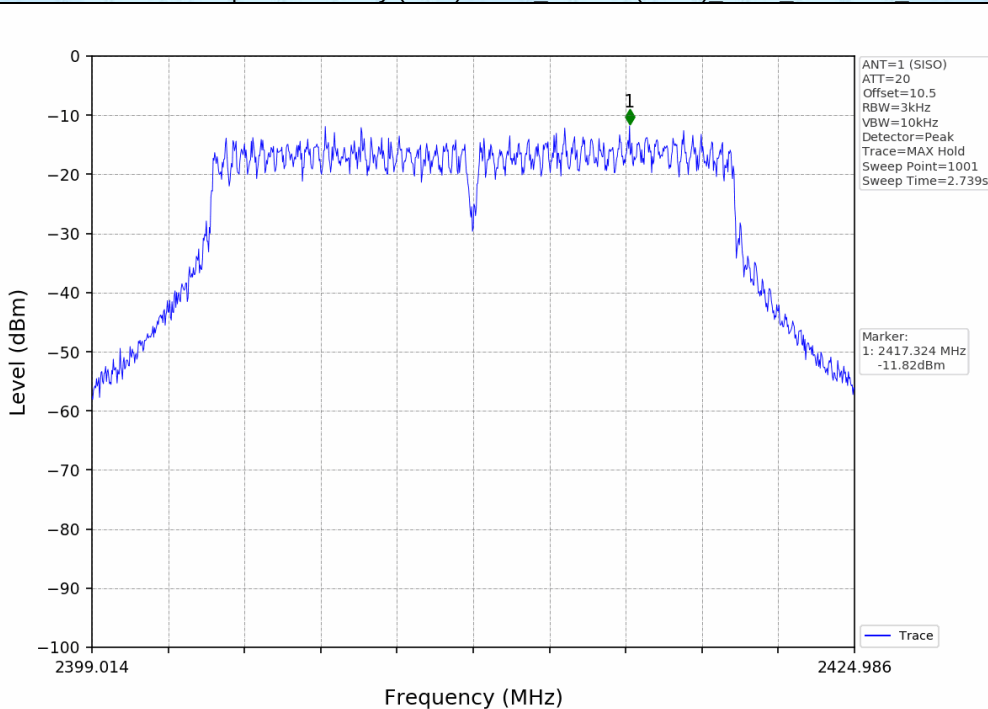
3.2 Test Graph



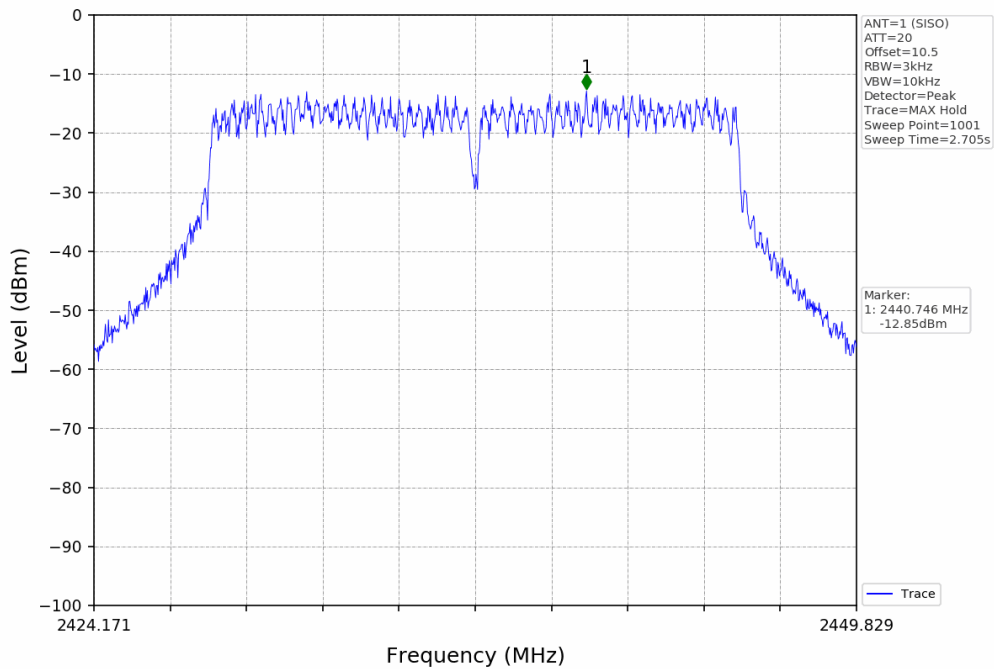
Maximum Power Spectral Density (PSD) NTVN_802.11n(HT20)_SISO_2462MHz_ANT1



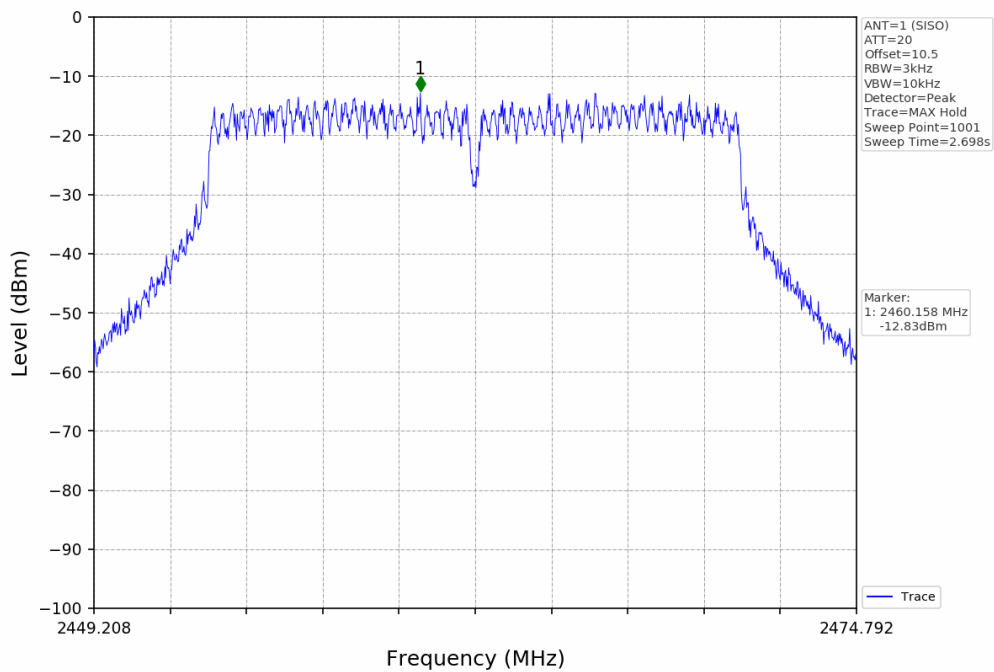
Maximum Power Spectral Density (PSD) NTVN_802.11n(HT20)_SISO_2412MHz_ANT2



Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_SISO_2437MHz_ANT2



Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_SISO_2462MHz_ANT2

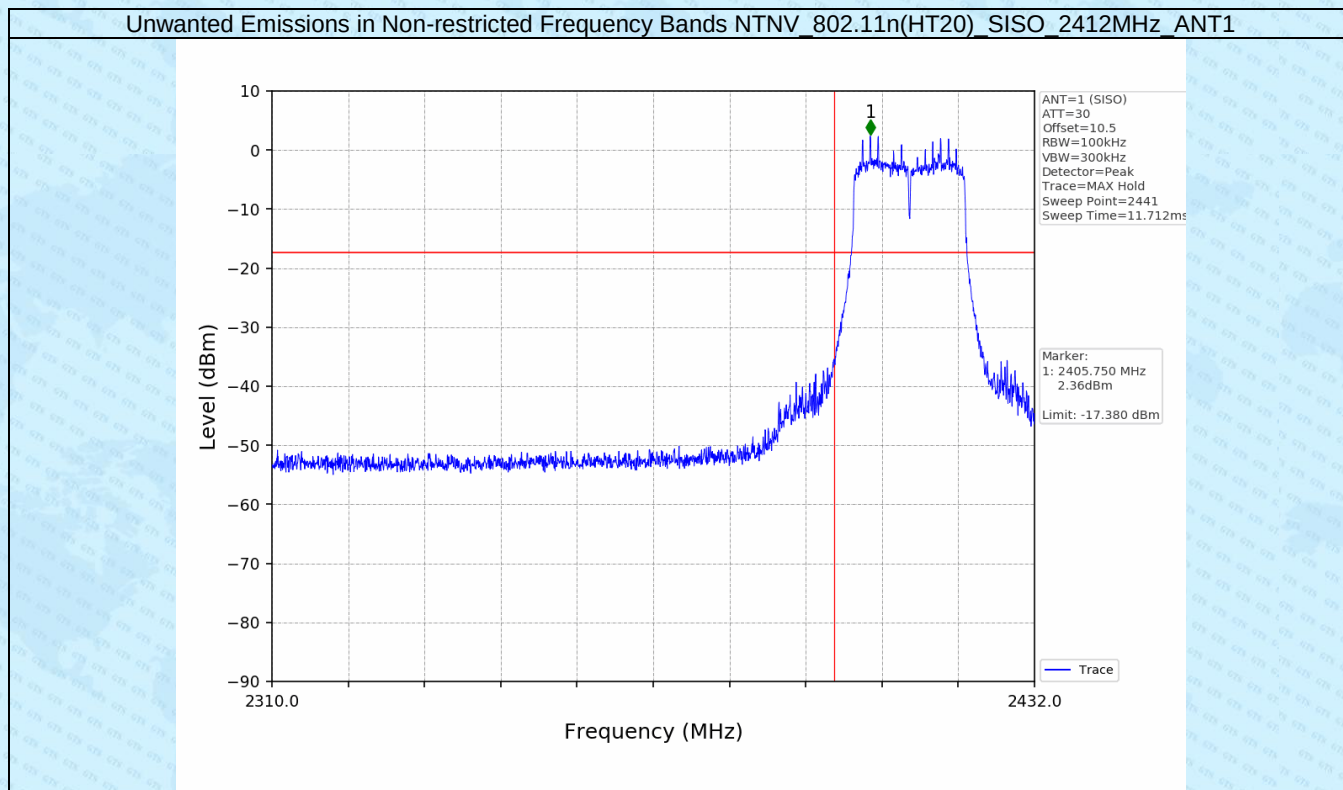
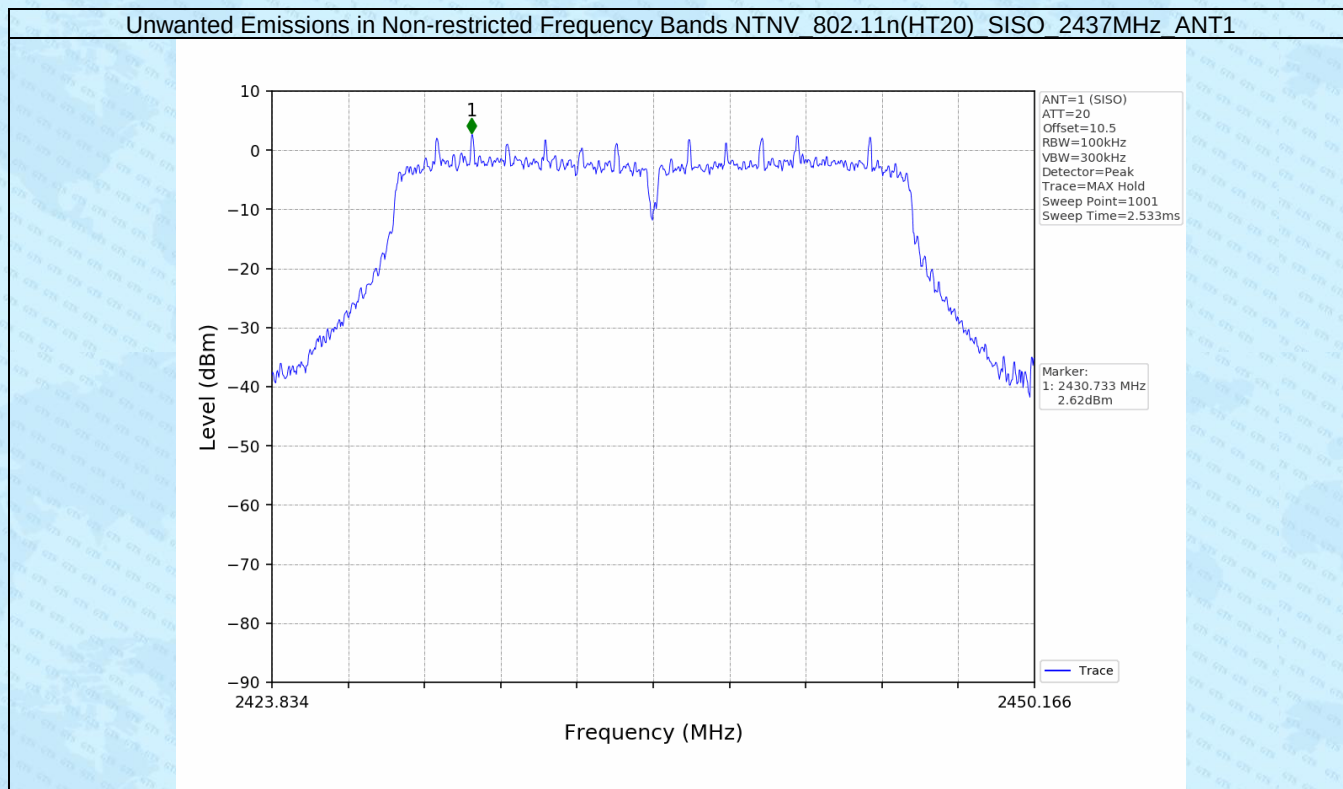


4. Unwanted Emissions in Non-restricted Frequency Bands

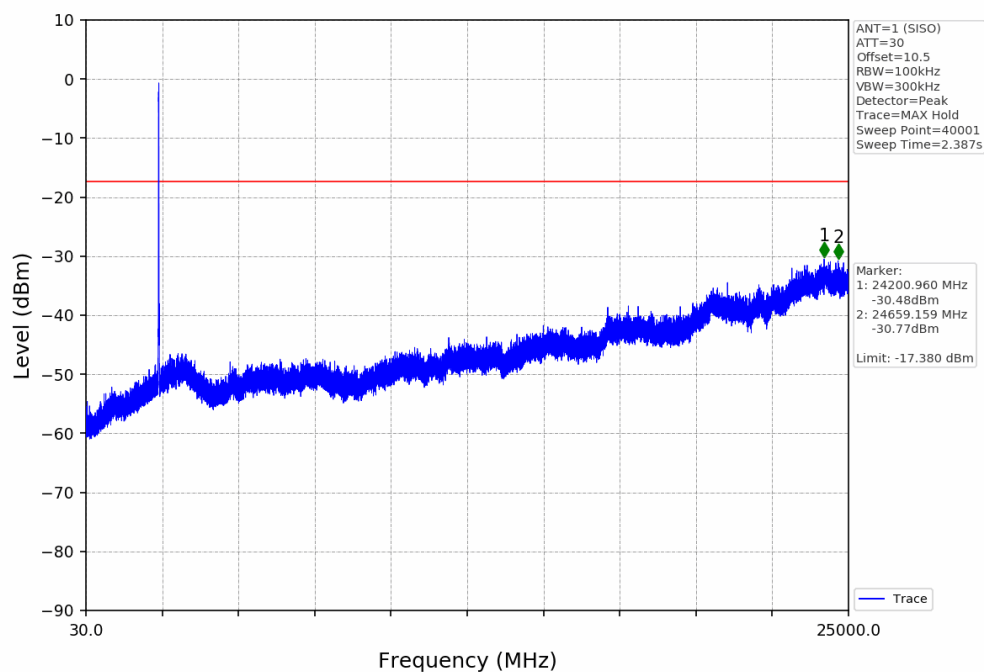
4.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11n(HT20)	2412	SISO	1	Refer to test graph	-17.38	PASS
	2437	SISO	1	Refer to test graph	-17.38	PASS
	2462	SISO	1	Refer to test graph	-17.38	PASS
	2412	SISO	2	Refer to test graph	-17.76	PASS
	2437	SISO	2	Refer to test graph	-17.76	PASS
	2462	SISO	2	Refer to test graph	-17.76	PASS

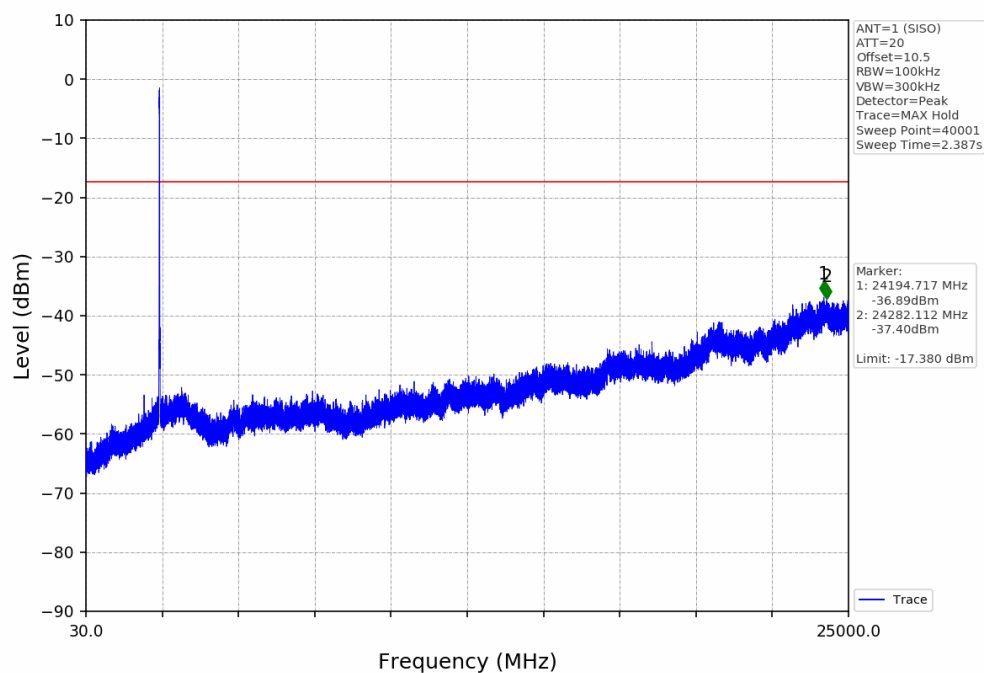
4.2 Test Graph



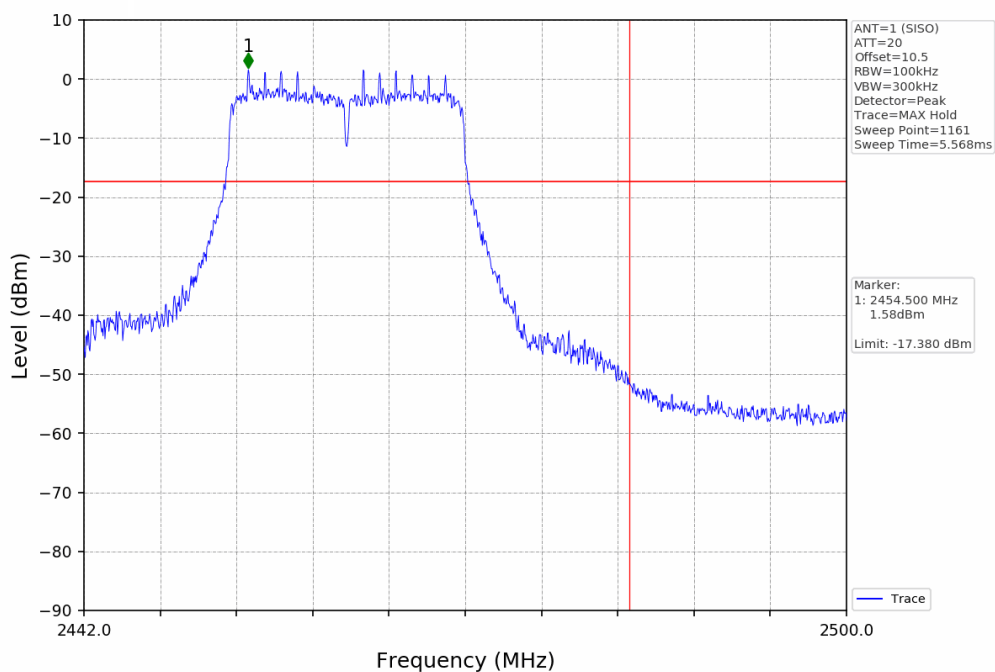
Unwanted Emissions in Non-restricted Frequency Bands NTNV 802.11n(HT20) SISO 2412MHz ANT1



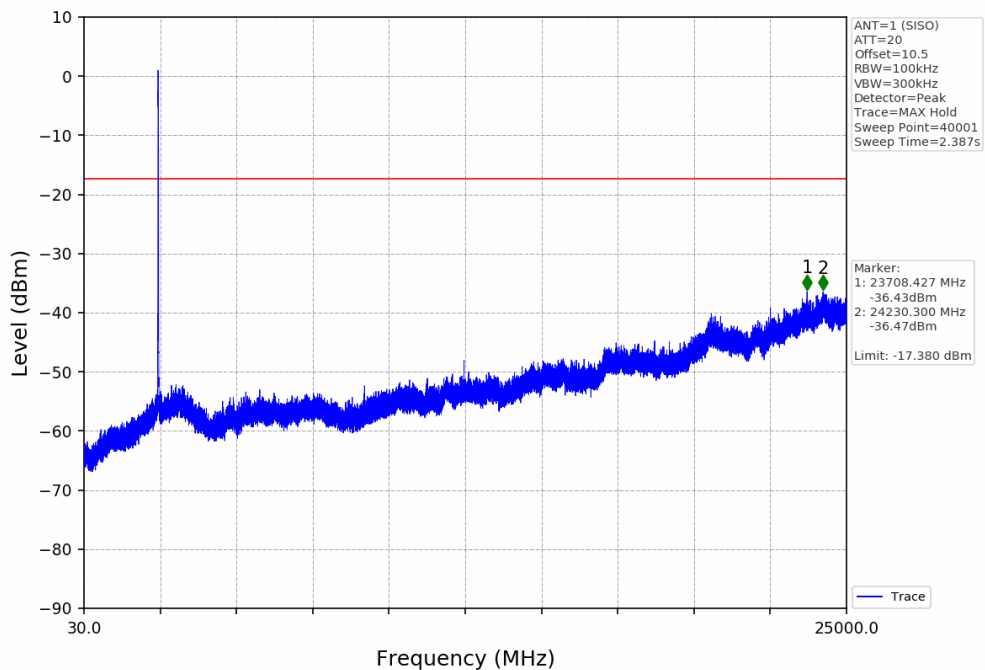
Unwanted Emissions in Non-restricted Frequency Bands NTNV 802.11n(HT20) SISO 2437MHz ANT1



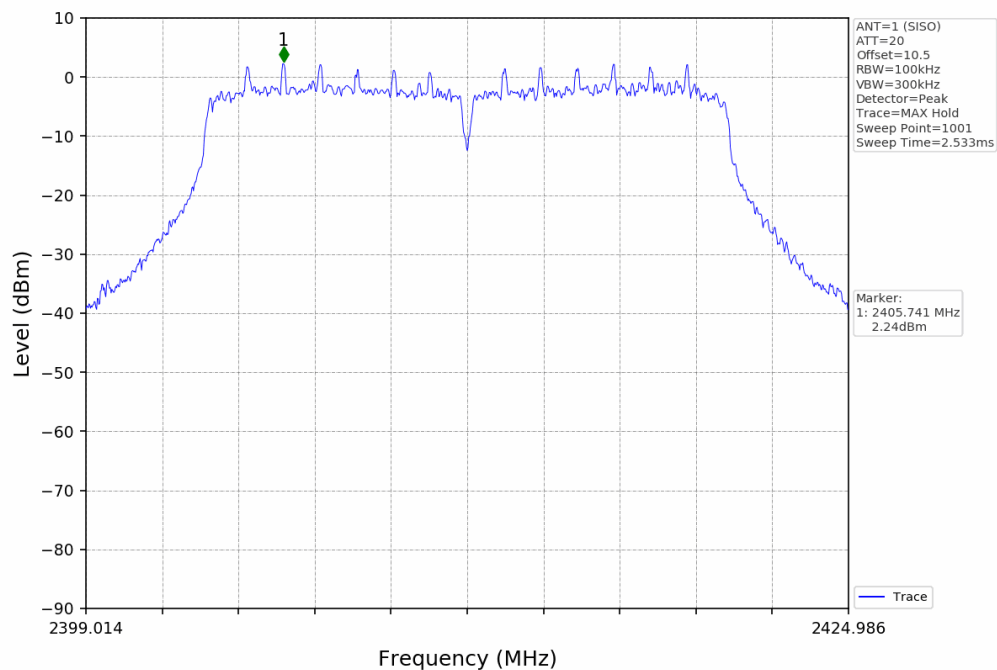
Unwanted Emissions in Non-restricted Frequency Bands NTNV 802.11n(HT20) SISO 2462MHz ANT1



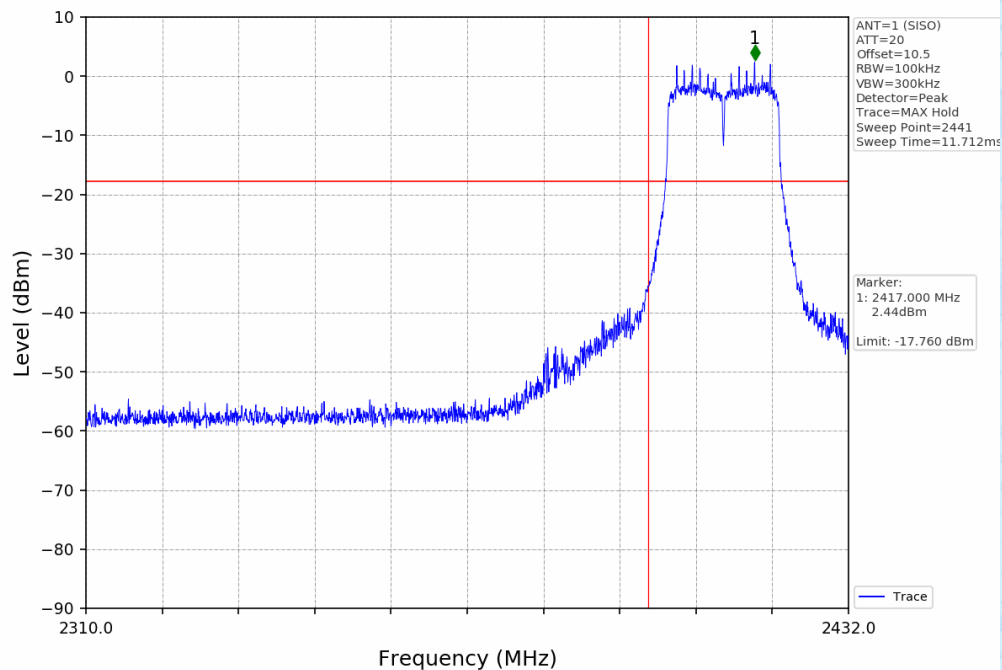
Unwanted Emissions in Non-restricted Frequency Bands NTNV 802.11n(HT20) SISO 2462MHz ANT1



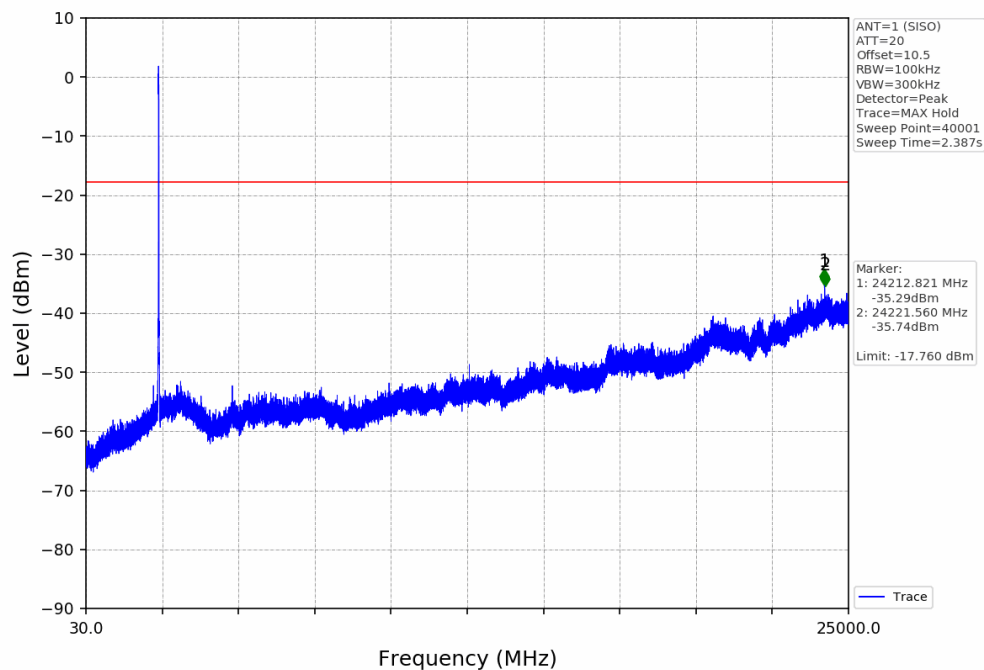
Unwanted Emissions in Non-restricted Frequency Bands NTNV 802.11n(HT20) SISO 2412MHz ANT2



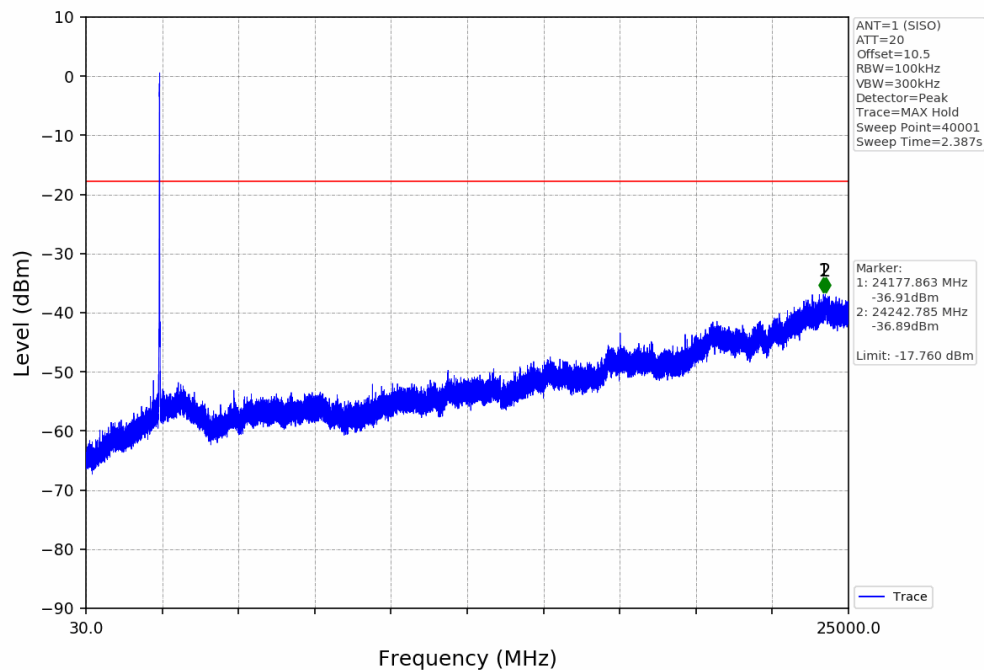
Unwanted Emissions in Non-restricted Frequency Bands NTNV 802.11n(HT20) SISO 2412MHz ANT2



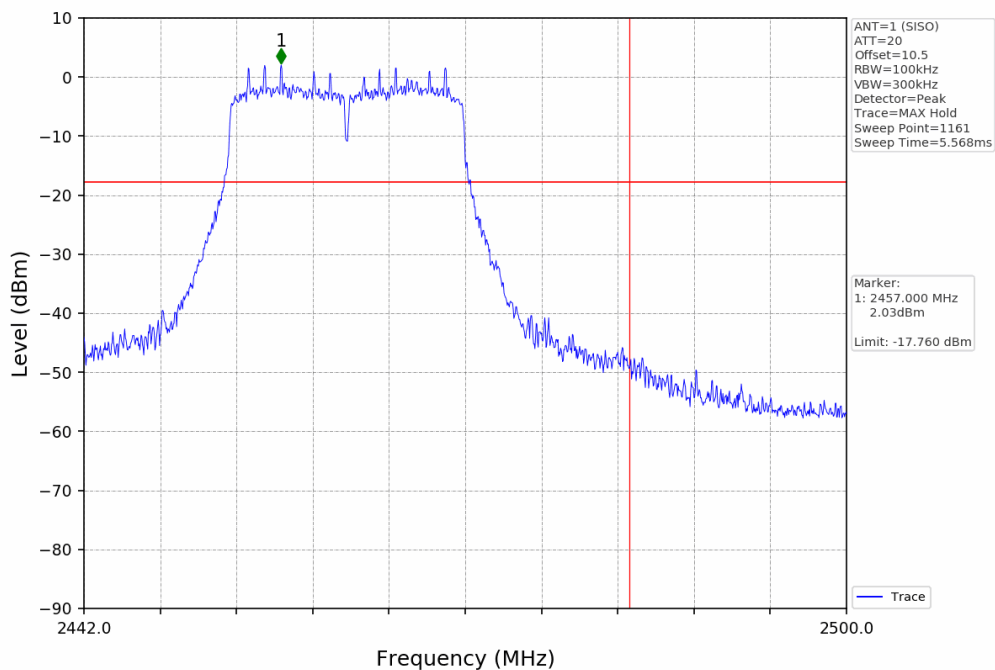
Unwanted Emissions in Non-restricted Frequency Bands NTNV 802.11n(HT20) SISO 2412MHz ANT2



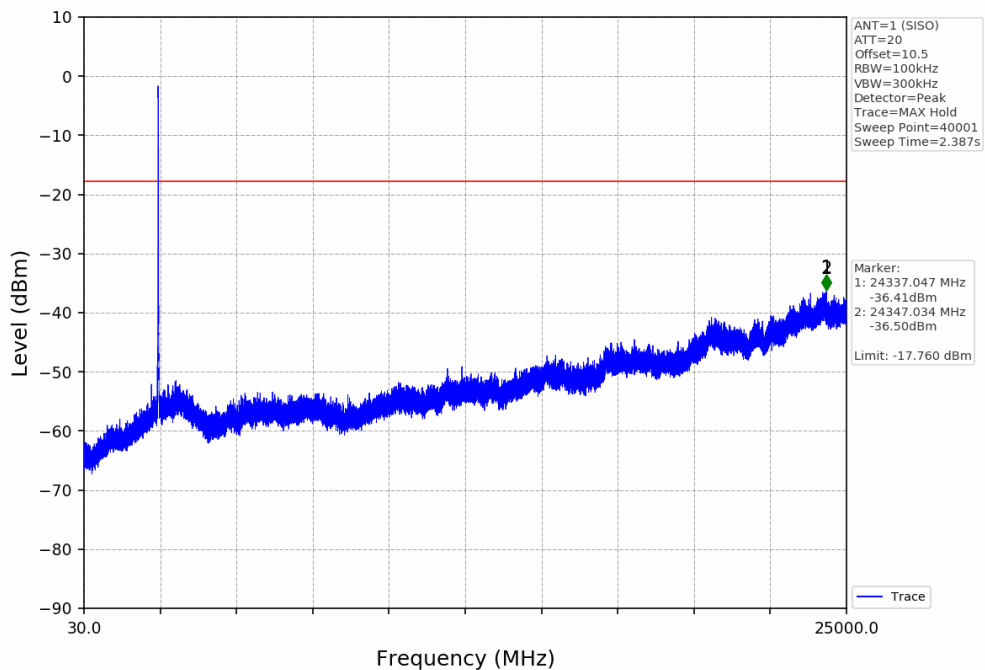
Unwanted Emissions in Non-restricted Frequency Bands NTNV 802.11n(HT20) SISO 2437MHz ANT2



Unwanted Emissions in Non-restricted Frequency Bands NTNV 802.11n(HT20) SISO 2462MHz ANT2



Unwanted Emissions in Non-restricted Frequency Bands NTNV 802.11n(HT20) SISO 2462MHz ANT2



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