

Appendix for 15.247

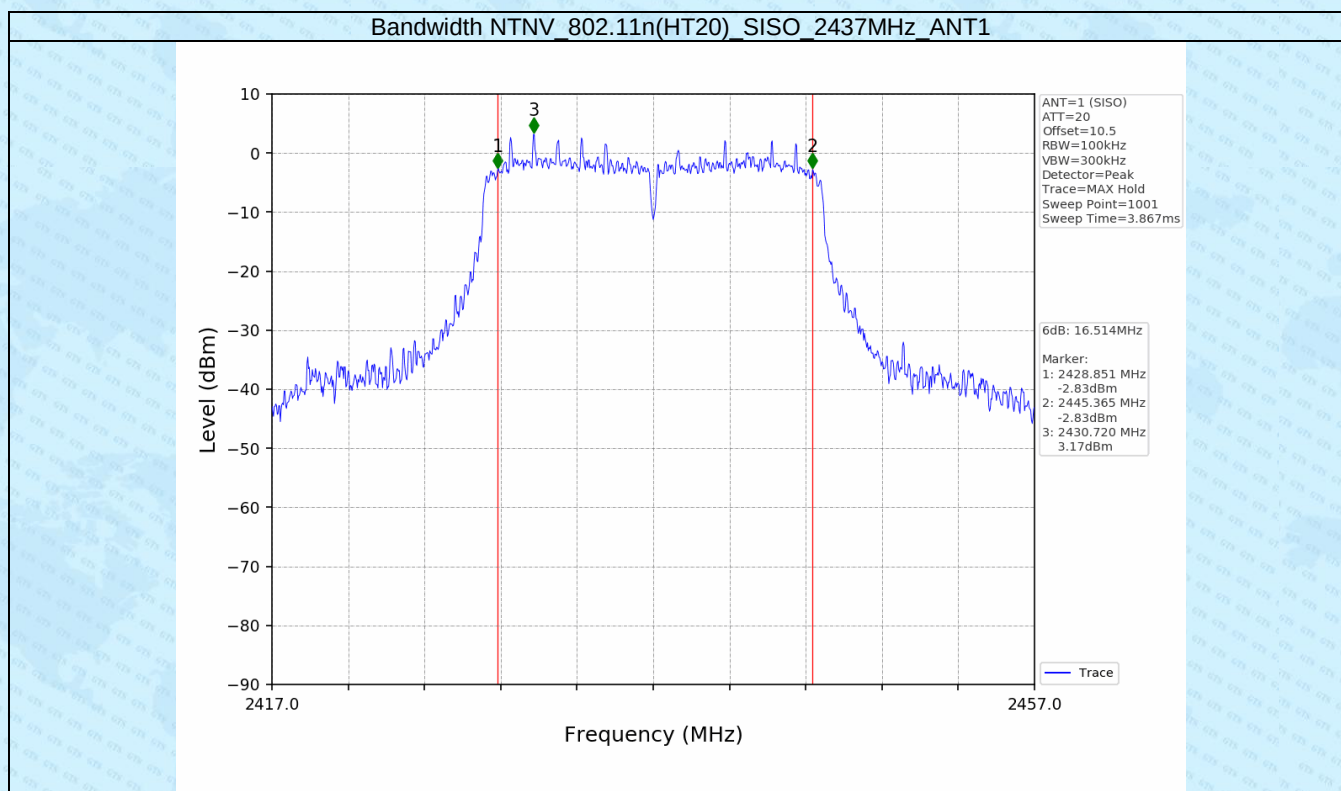
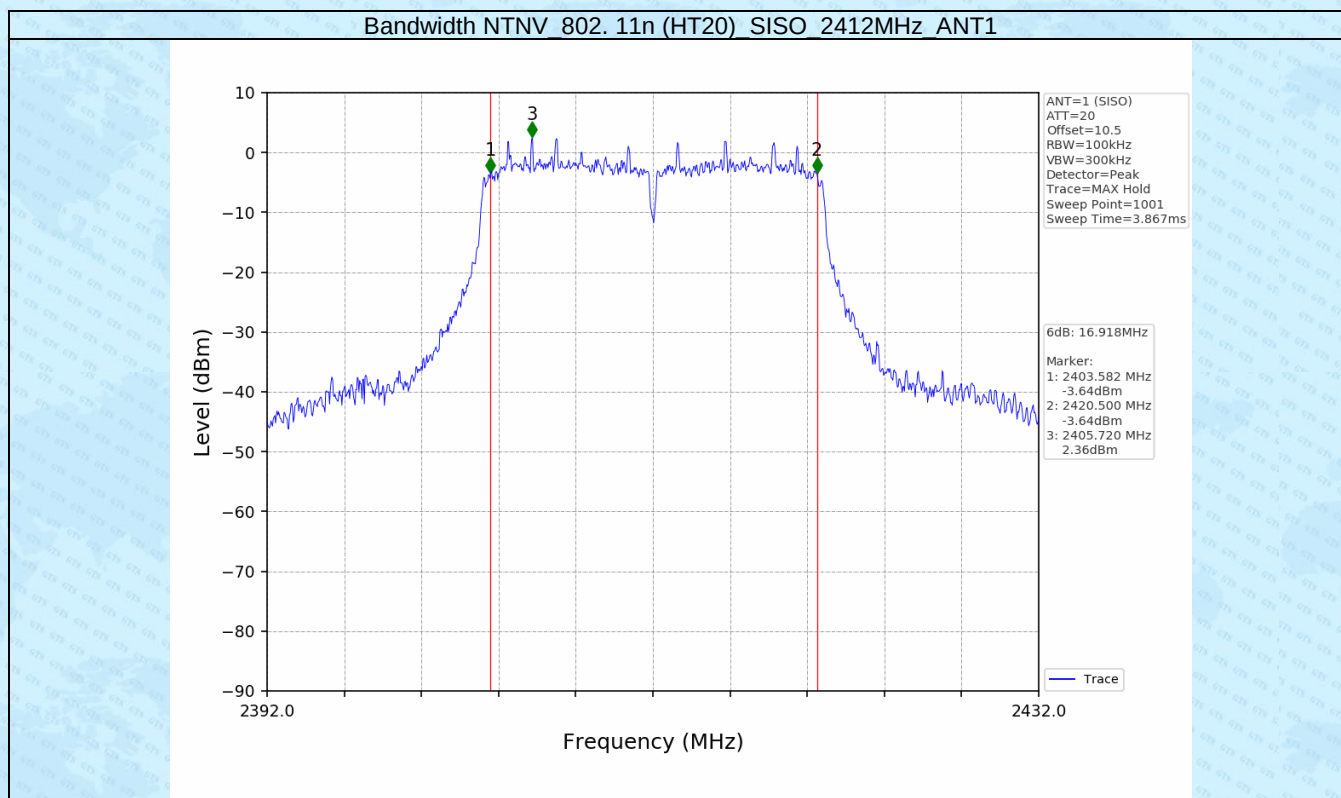
1. Bandwidth

1.1 Test Result

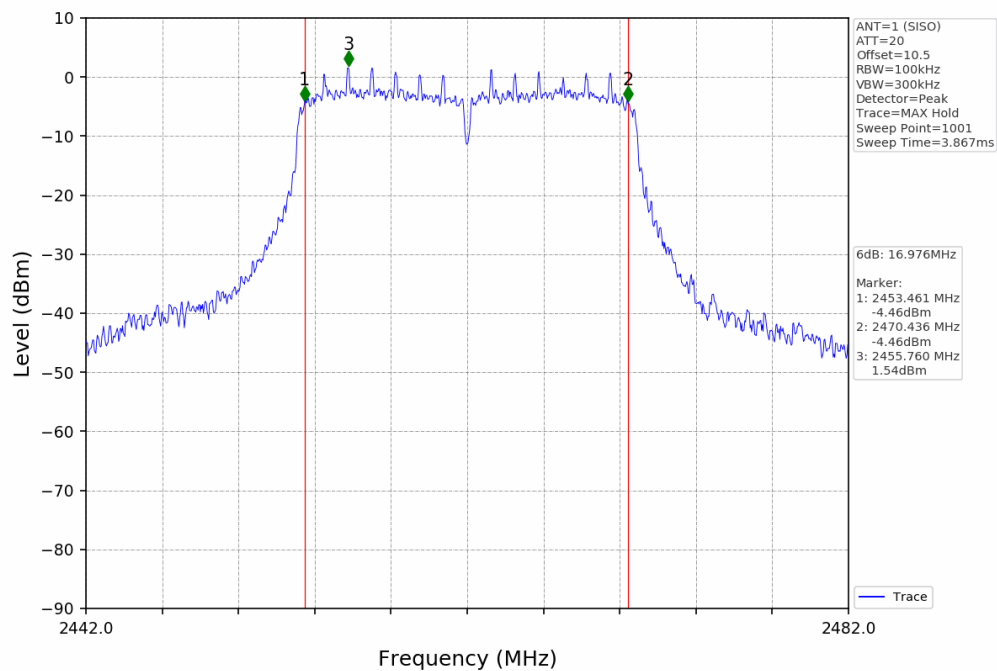
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11n(HT20)	2412	SISO	1	16.918	≥ 0.5	PASS
	2437	SISO	1	16.514	≥ 0.5	PASS
	2462	SISO	1	16.976	≥ 0.5	PASS
	2412	SISO	2	17.109	≥ 0.5	PASS
	2437	SISO	2	16.961	≥ 0.5	PASS
	2462	SISO	2	16.922	≥ 0.5	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11n(HT20)	2412	SISO	1	17.670	Only for Report Use
	2437	SISO	1	17.675	Only for Report Use
	2462	SISO	1	17.703	Only for Report Use
	2412	SISO	2	17.757	Only for Report Use
	2437	SISO	2	17.738	Only for Report Use
	2462	SISO	2	17.763	Only for Report Use

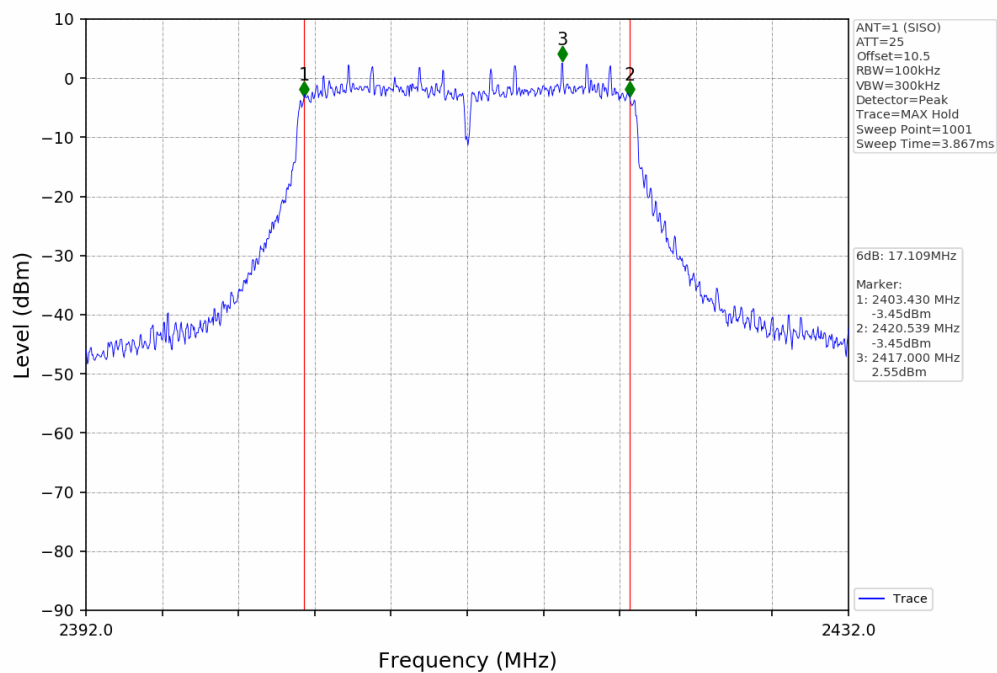
1.2 Test Graph - 6dB Bandwidth



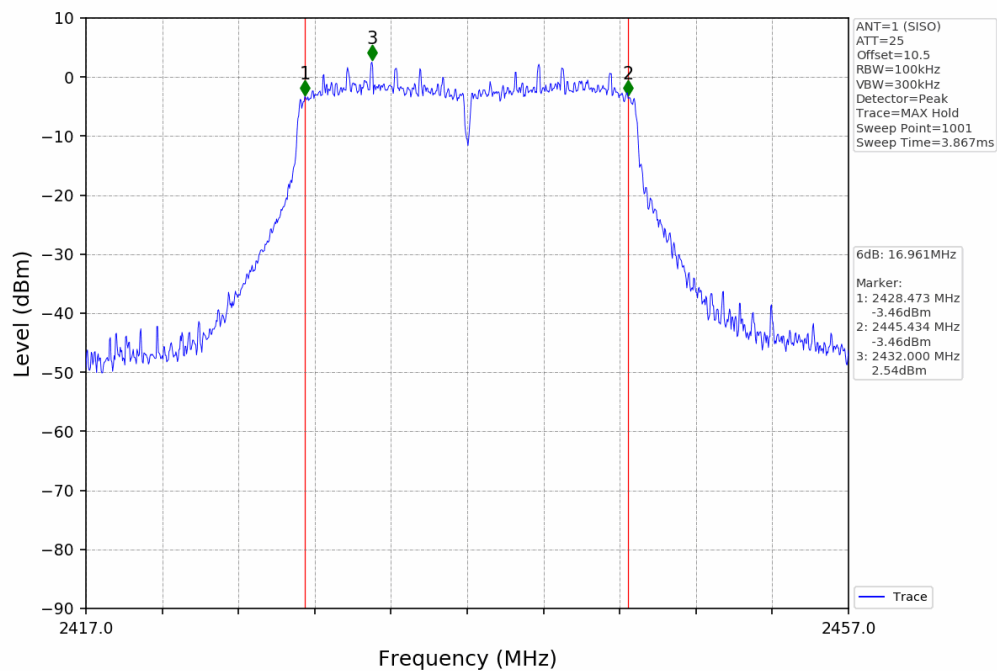
Bandwidth NTNV_802.11n (HT20)_SISO_2462MHz_ANT1



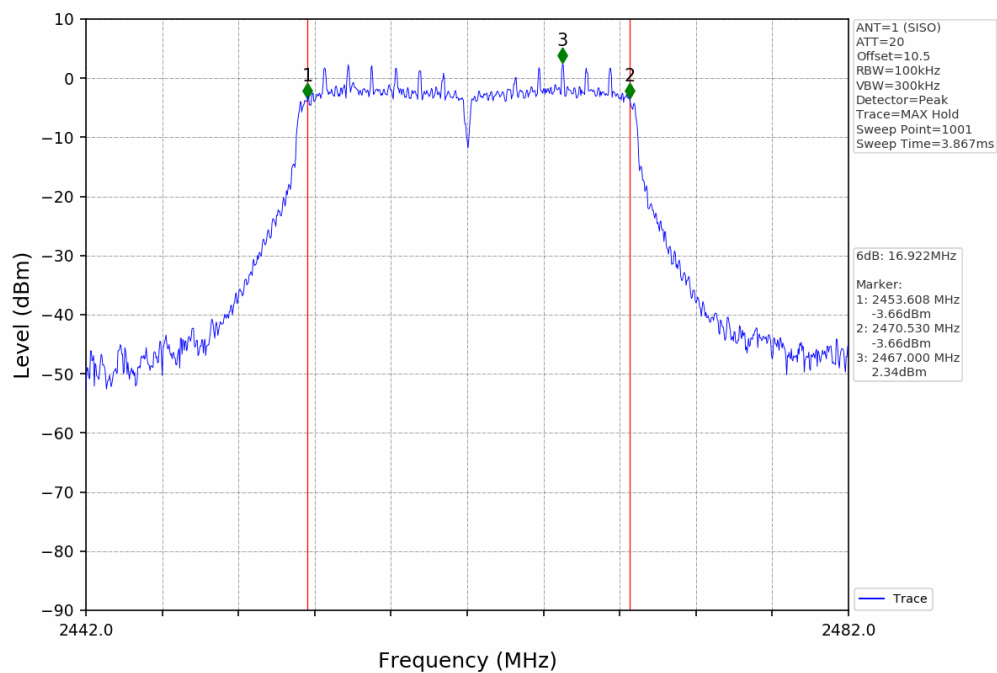
Bandwidth NTNV_802.11n (HT20)_SISO_2412MHz_ANT2



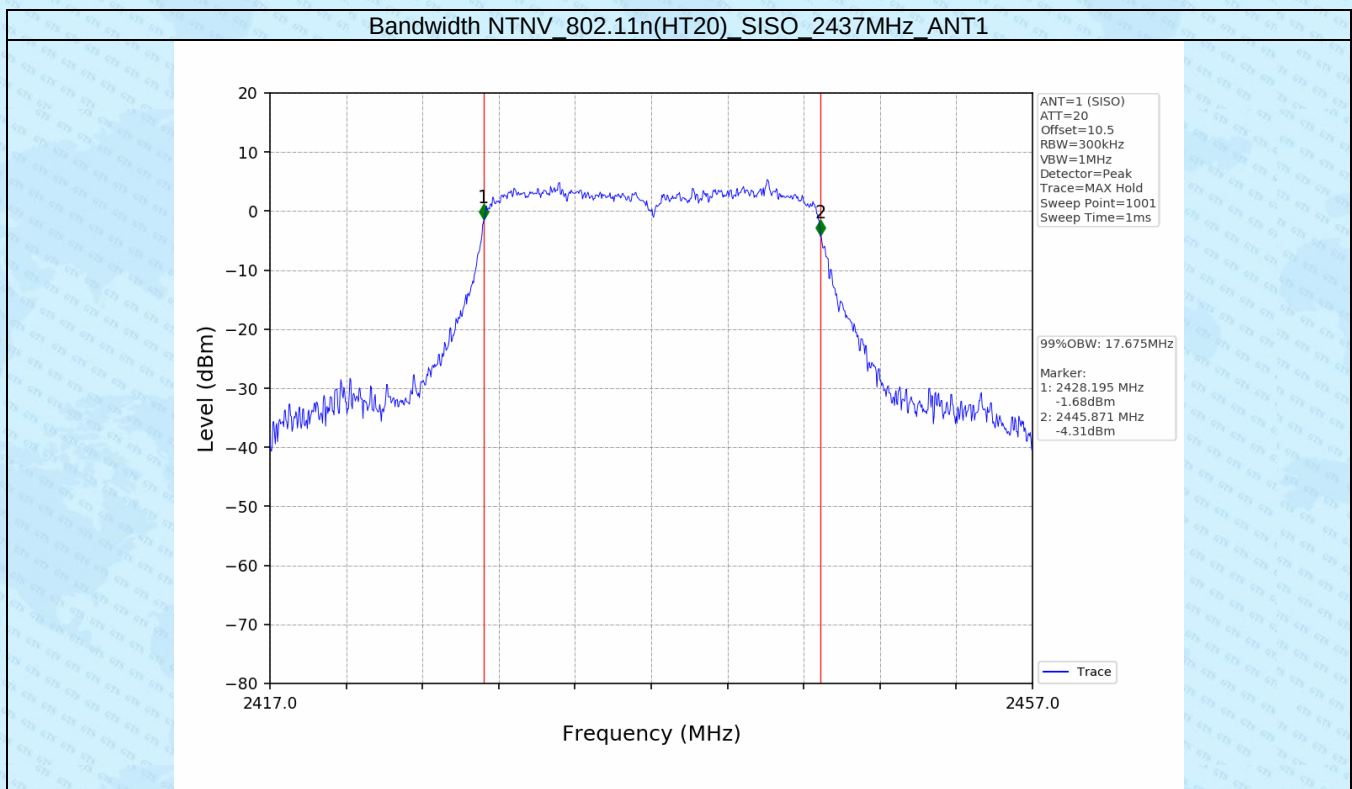
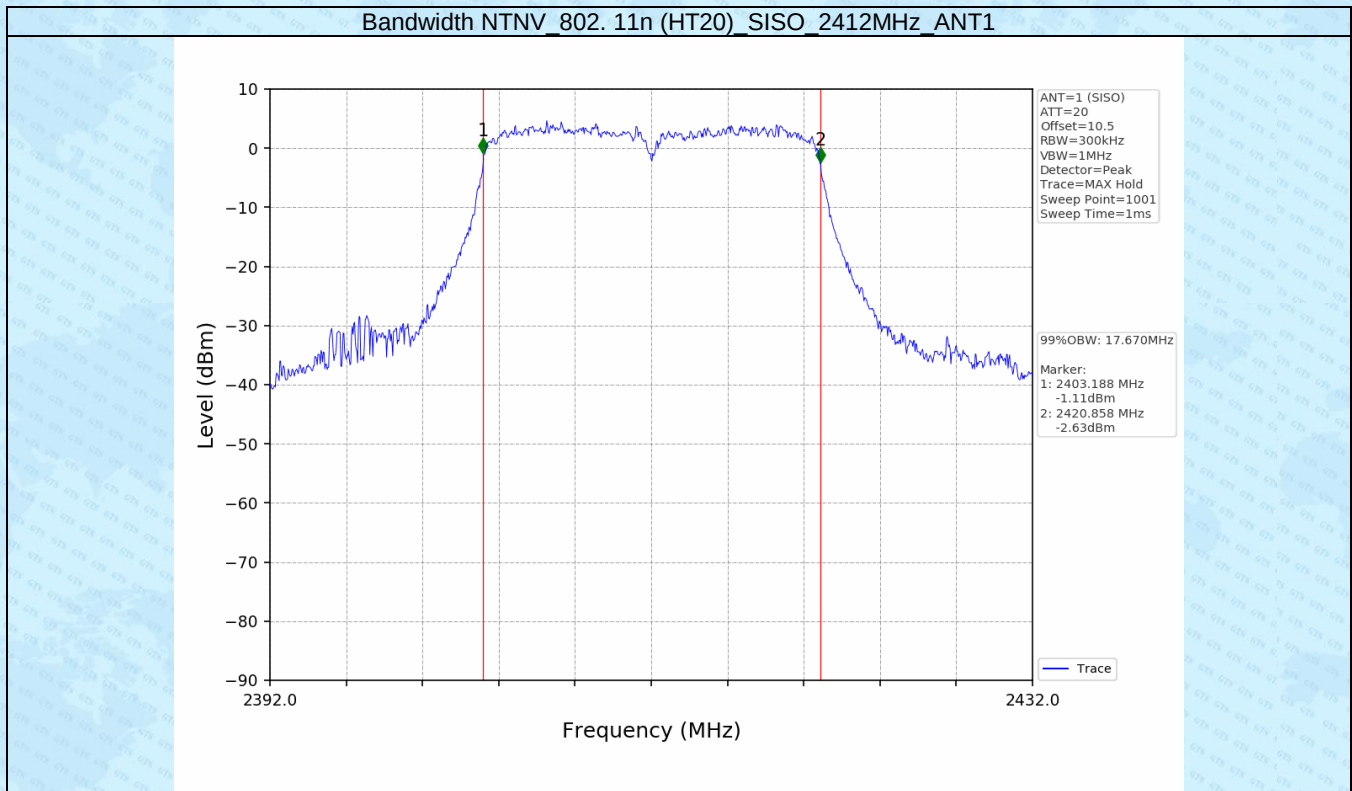
Bandwidth NTNV_802.11n (HT20)_SISO_2437MHz_ANT2

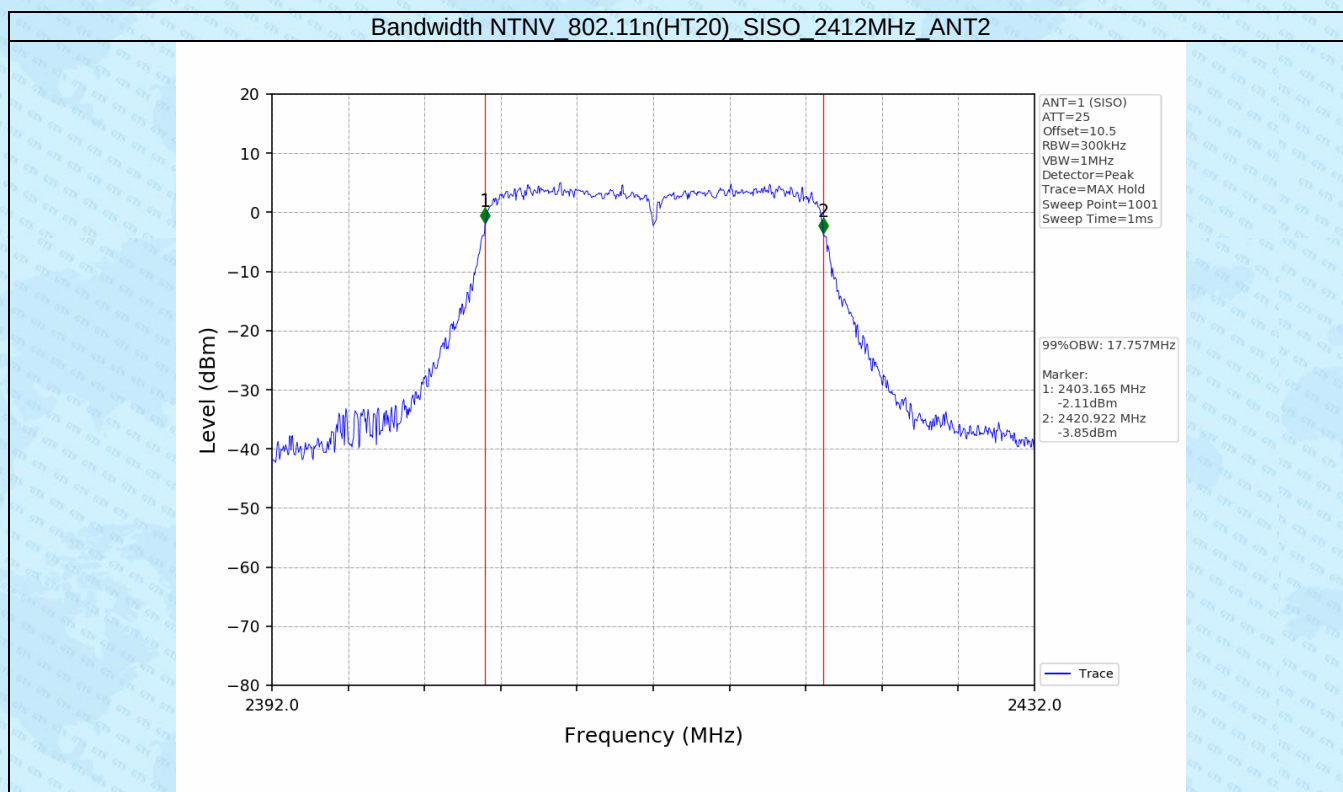
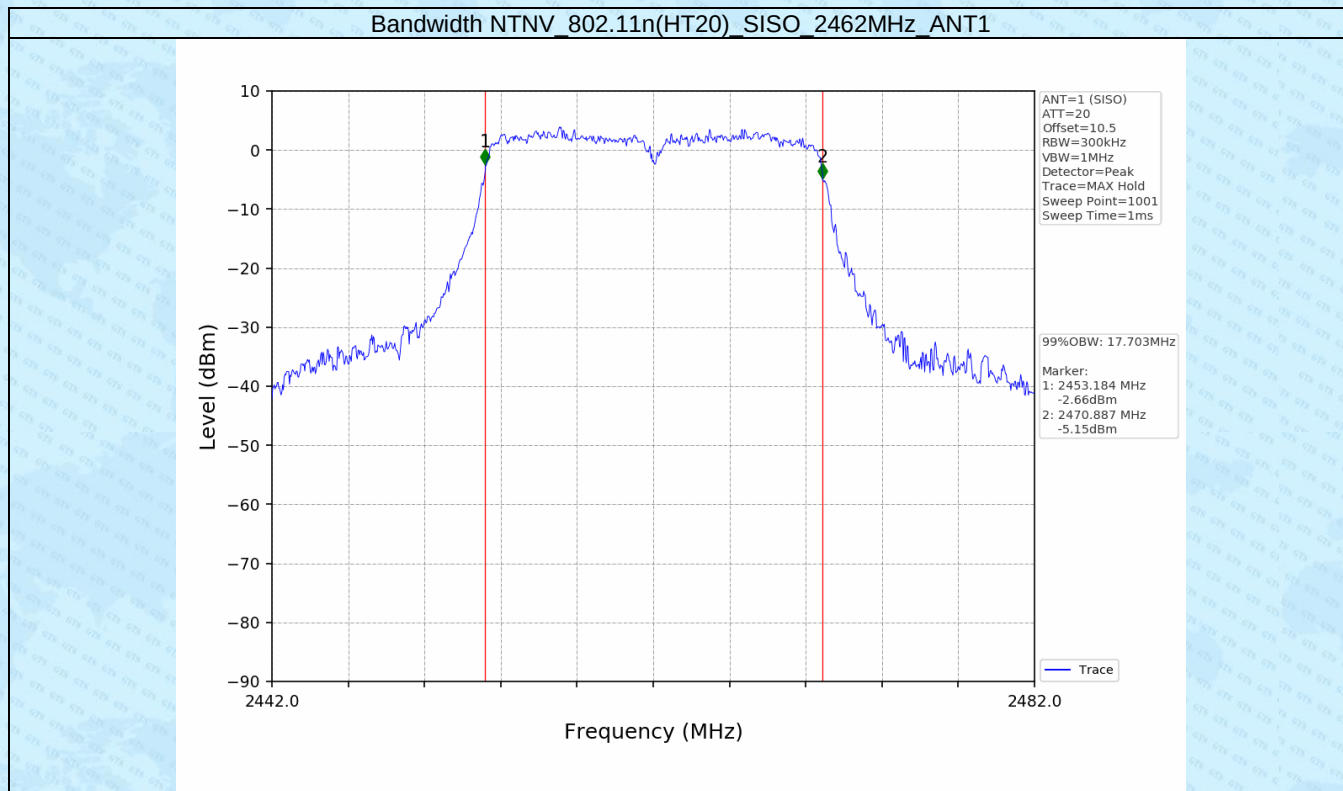


Bandwidth NTNV_802.11n (HT20)_SISO_2462MHz_ANT2

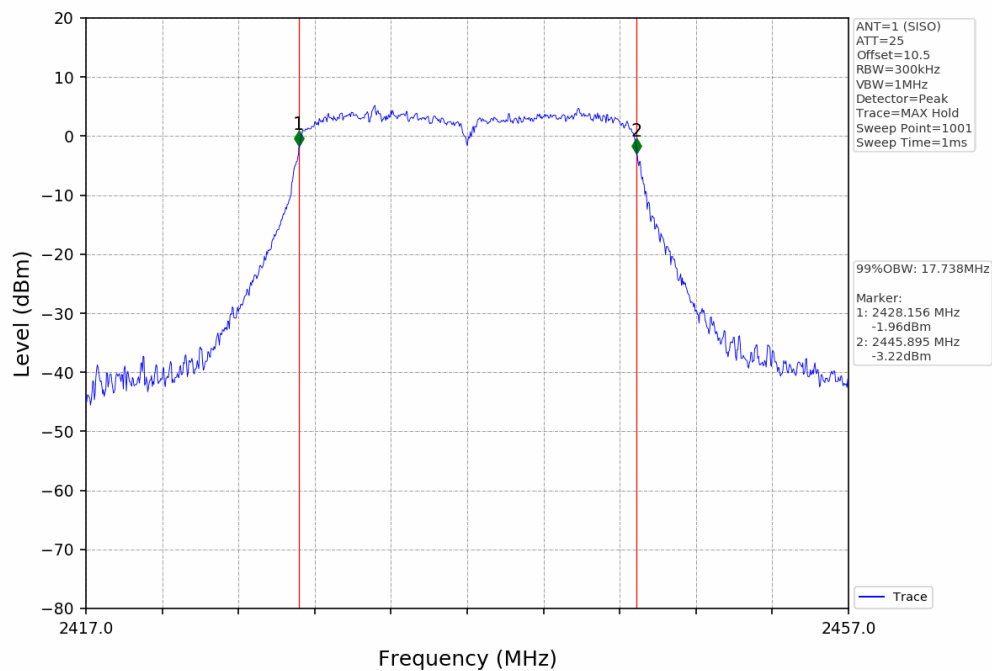


1.3 Test Graph - 99% Occupied Bandwidth

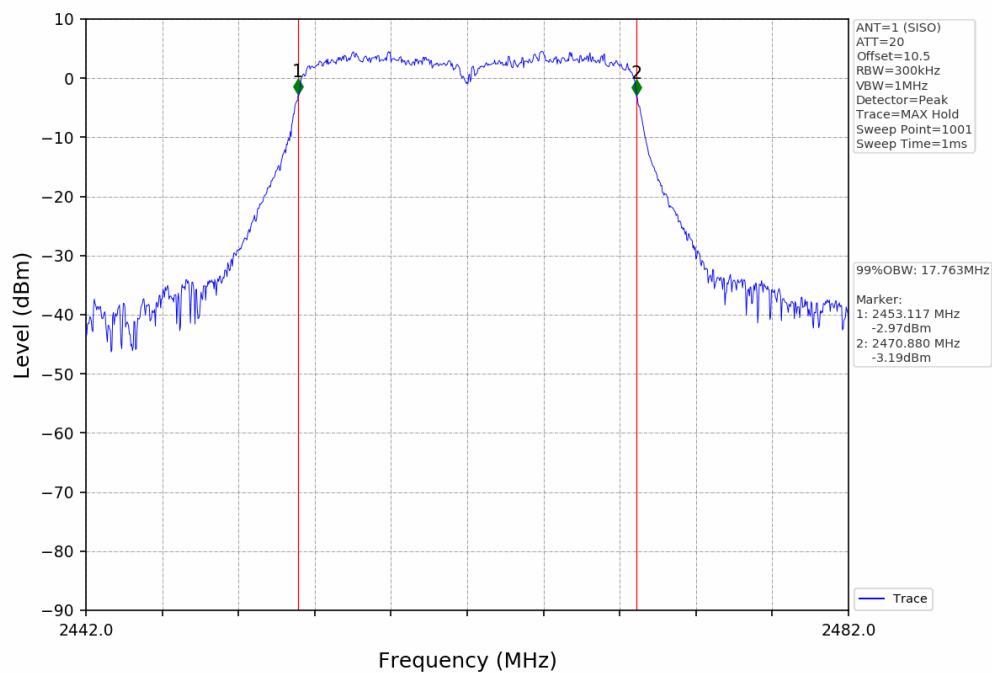




Bandwidth NTVN_802.11n(HT20)_SISO_2437MHz_ANT2



Bandwidth NTVN_802.11n(HT20)_SISO_2462MHz_ANT2



2. Maximum Conducted Output Power

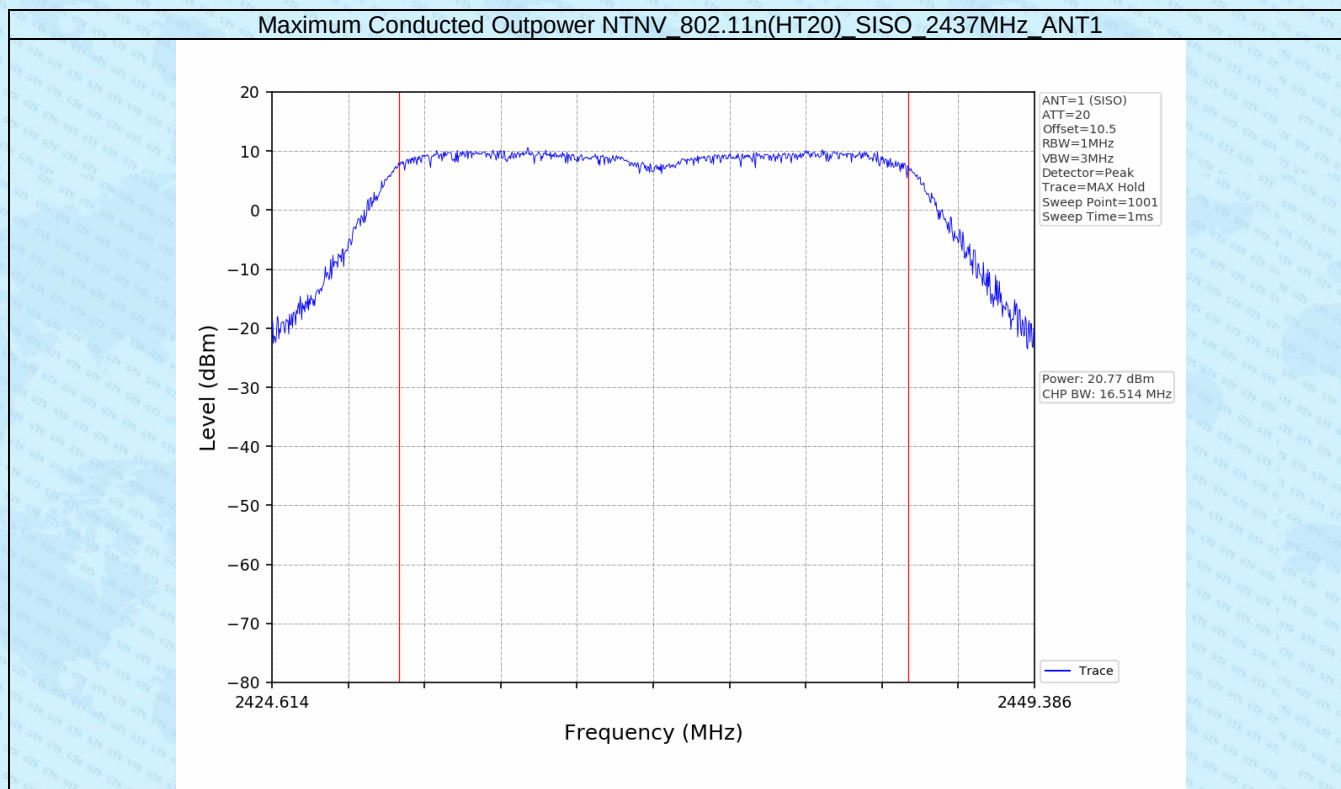
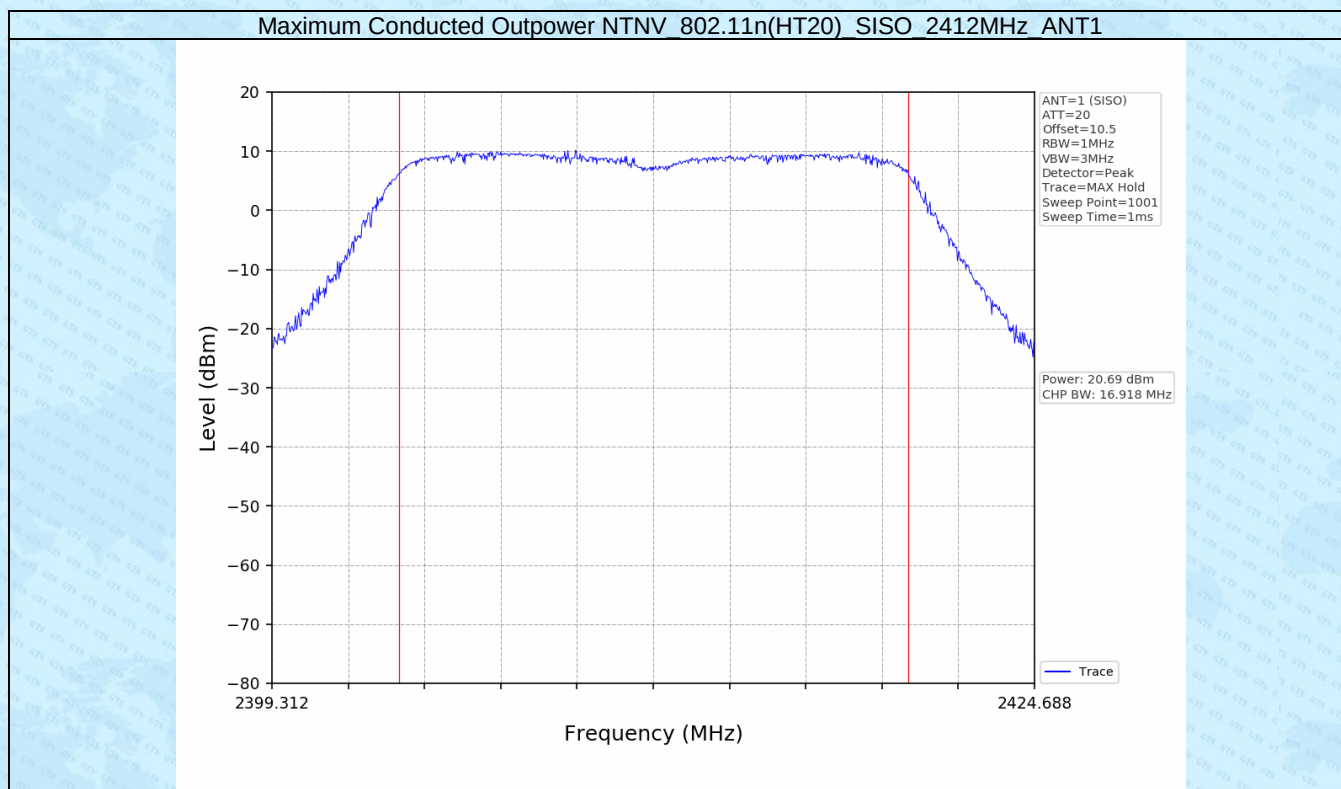
2.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11n(HT20)	2412	SISO	20.69	30	PASS
	2437	SISO	20.77	30	PASS
	2462	SISO	19.84	30	PASS

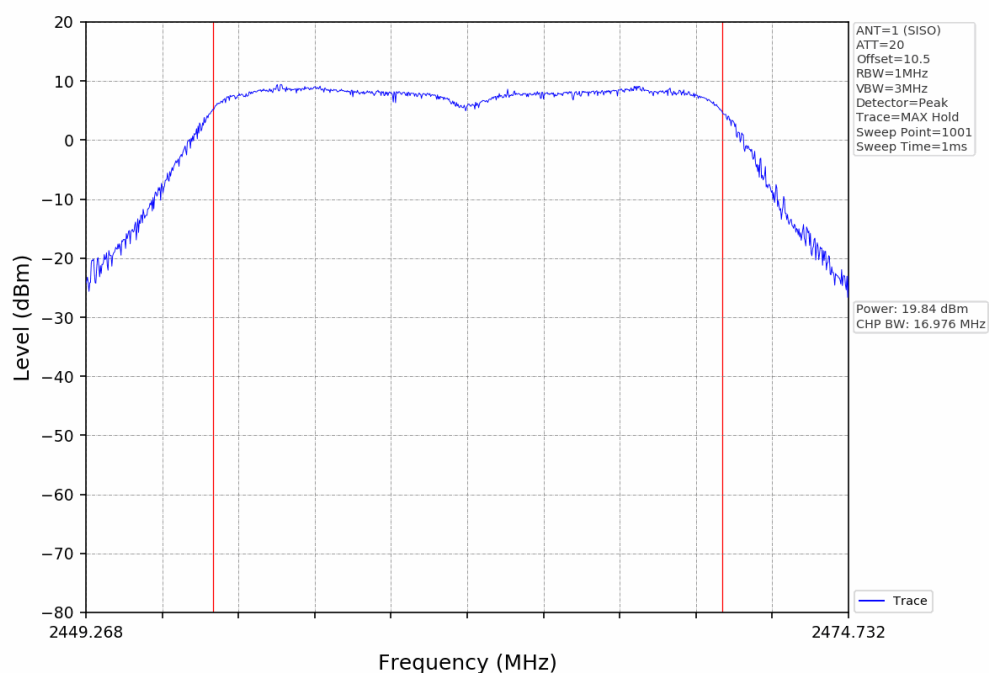
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 2		
802.11n(HT20)	2412	SISO	21.25	30	PASS
	2437	SISO	21.03	30	PASS
	2462	SISO	20.83	30	PASS

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
802.11n(HT20)	2412	MIMO	23.99	30	PASS
	2437	MIMO	23.91	30	PASS
	2462	MIMO	23.37	30	PASS

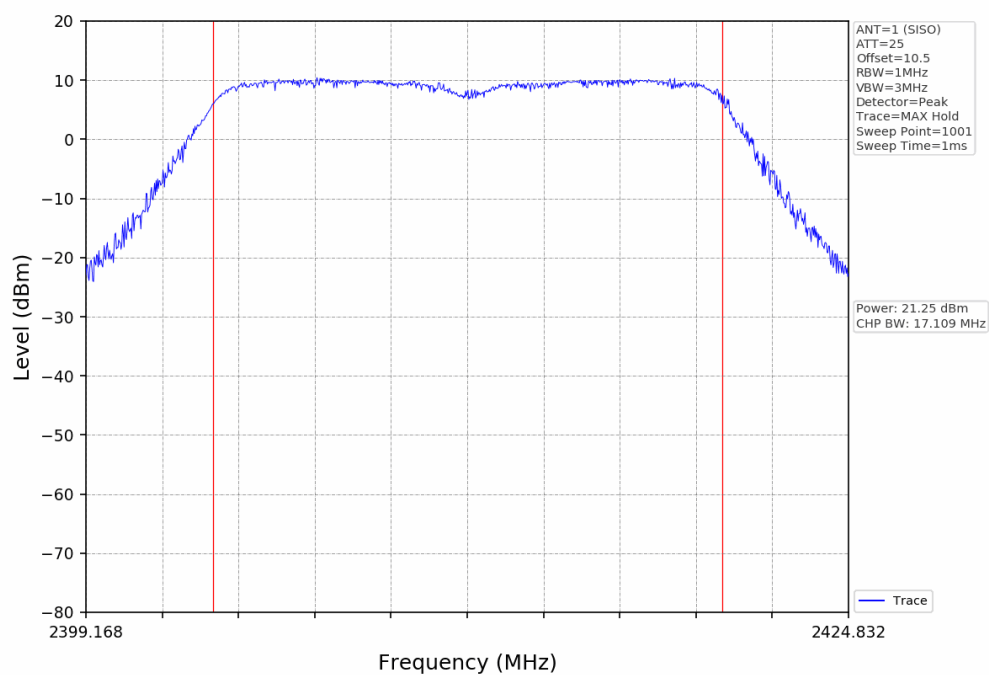
2.2 Test Graph



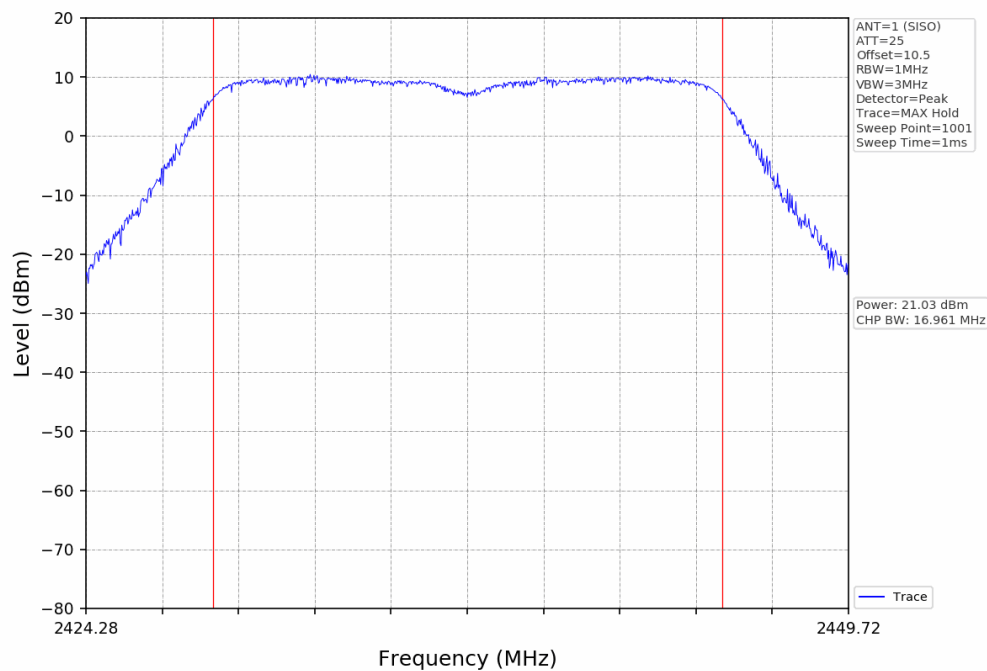
Maximum Conducted Outpower NTN 802.11n(HT20) SISO 2462MHz ANT1



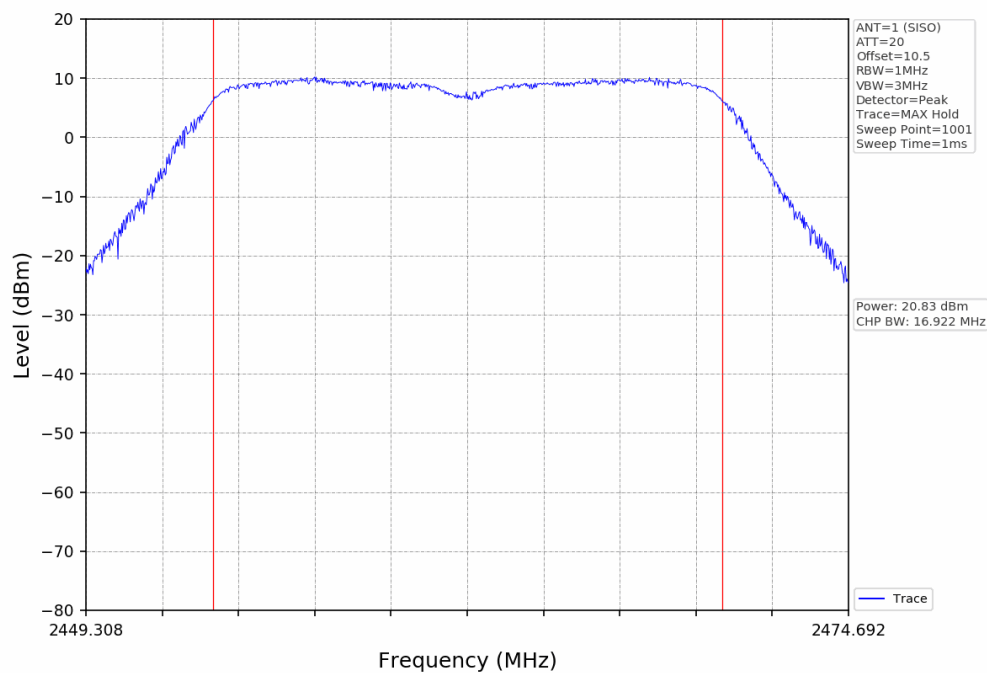
Maximum Conducted Outpower NTN 802.11n(HT20) SISO 2412MHz ANT2



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)

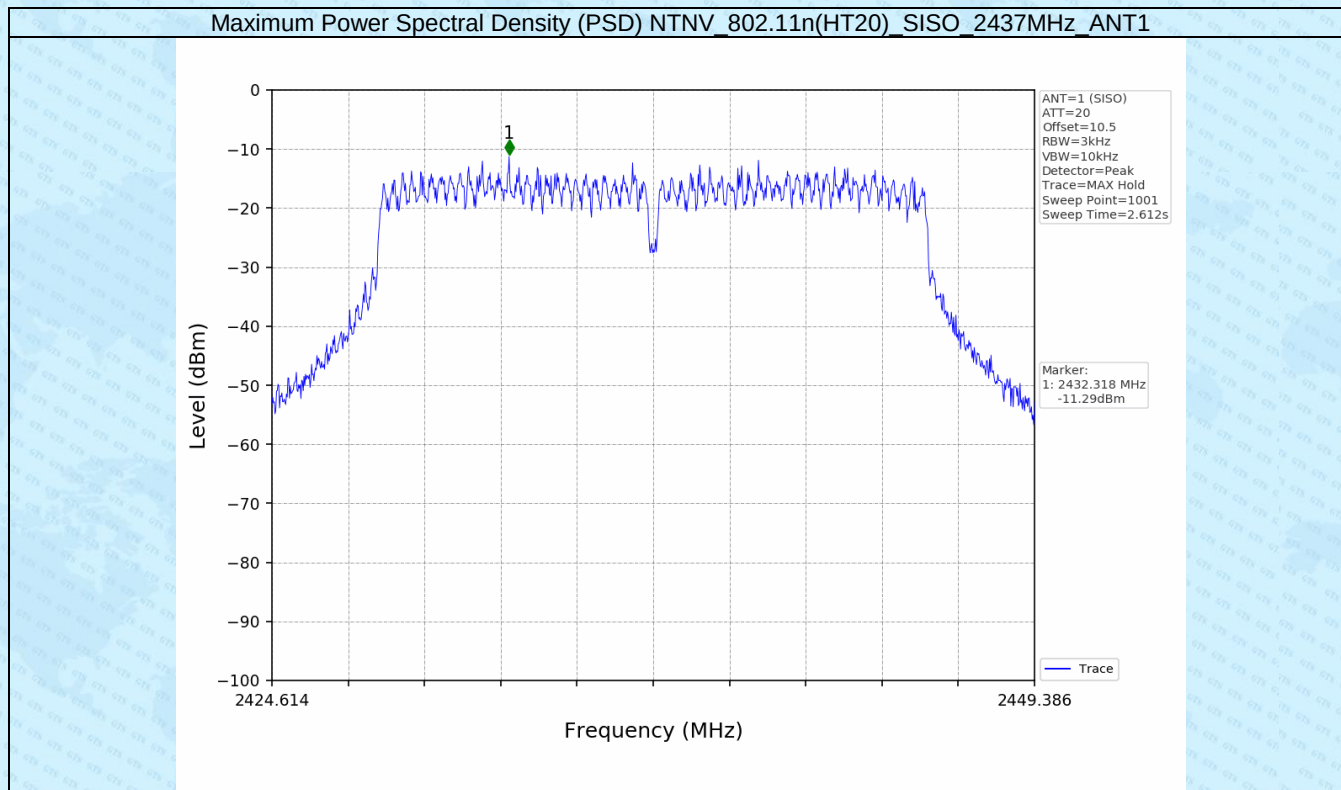
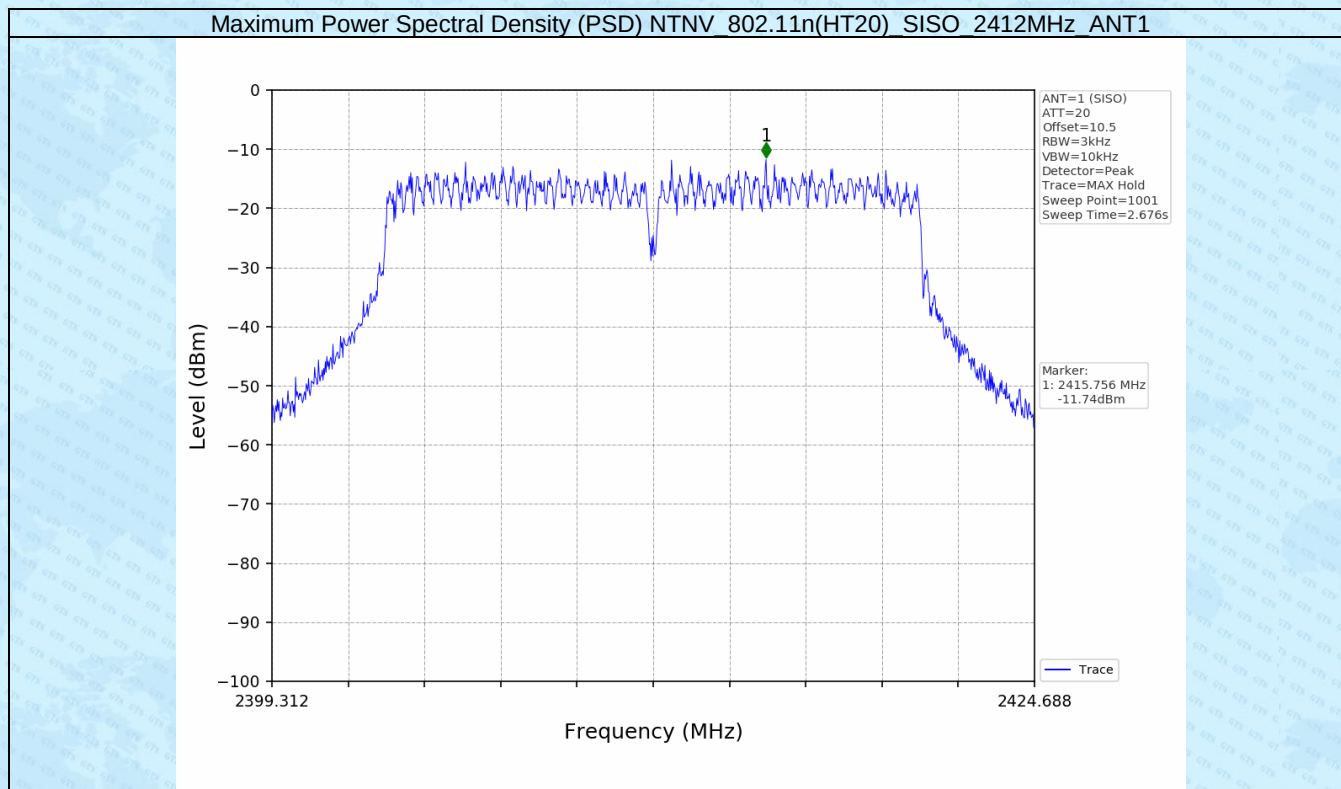
3.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11n(HT20)	2412	SISO	-11.74	≤8	PASS
	2437	SISO	-11.29	≤8	PASS
	2462	SISO	-12.84	≤8	PASS

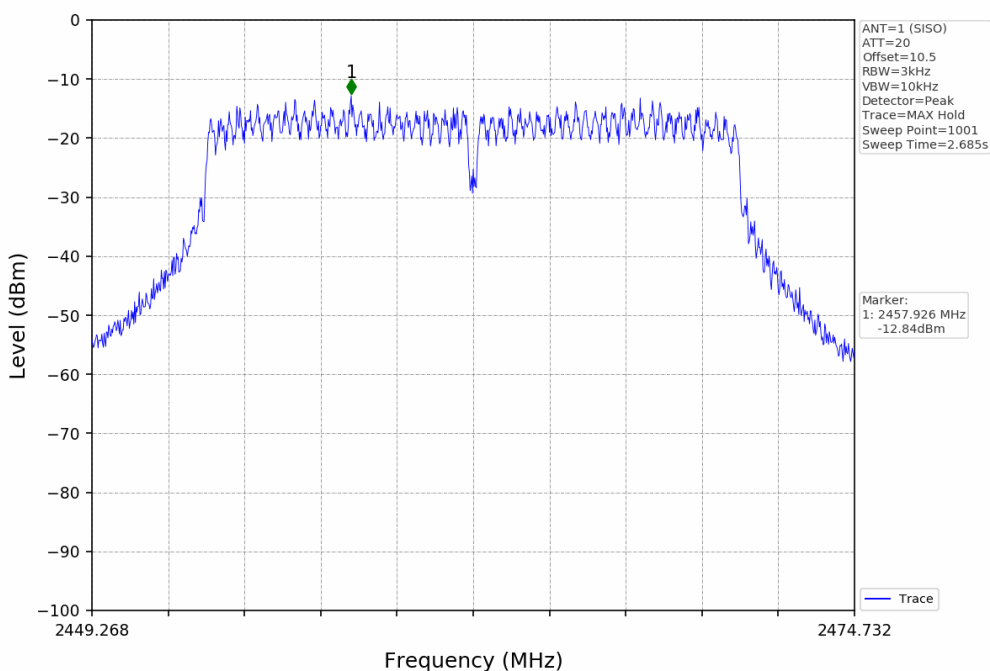
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 2		
802.11n(HT20)	2412	SISO	-11.62	≤8	PASS
	2437	SISO	-12.73	≤8	PASS
	2462	SISO	-11.15	≤8	PASS

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
802.11n(HT20)	2412	MIMO	-8.67	≤8	PASS
	2437	MIMO	-8.94	≤8	PASS
	2462	MIMO	-8.90	≤8	PASS

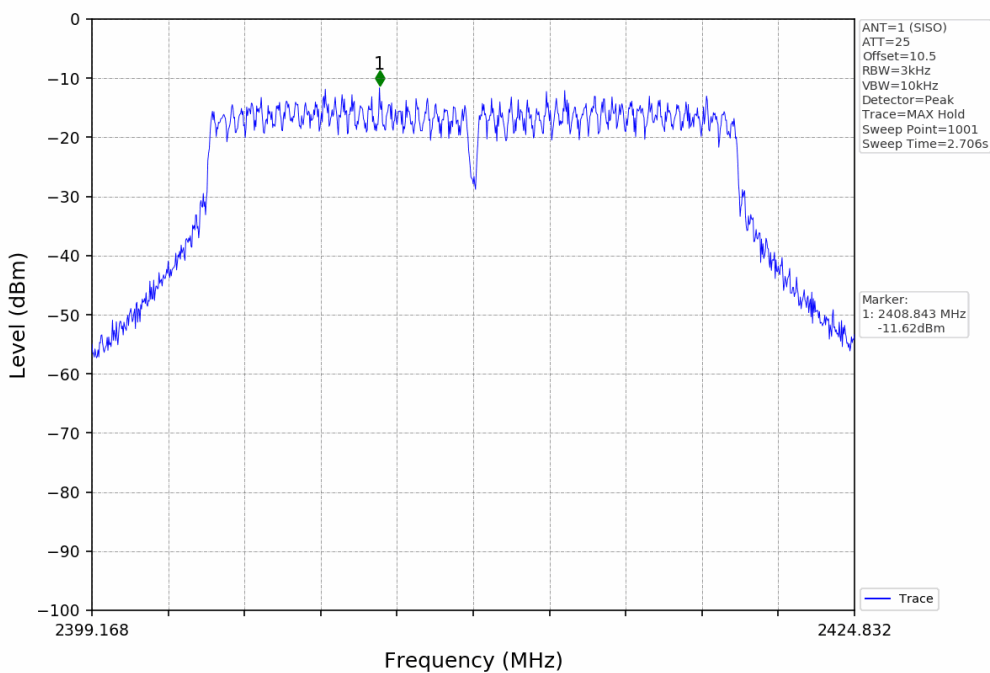
3.2 Test Graph



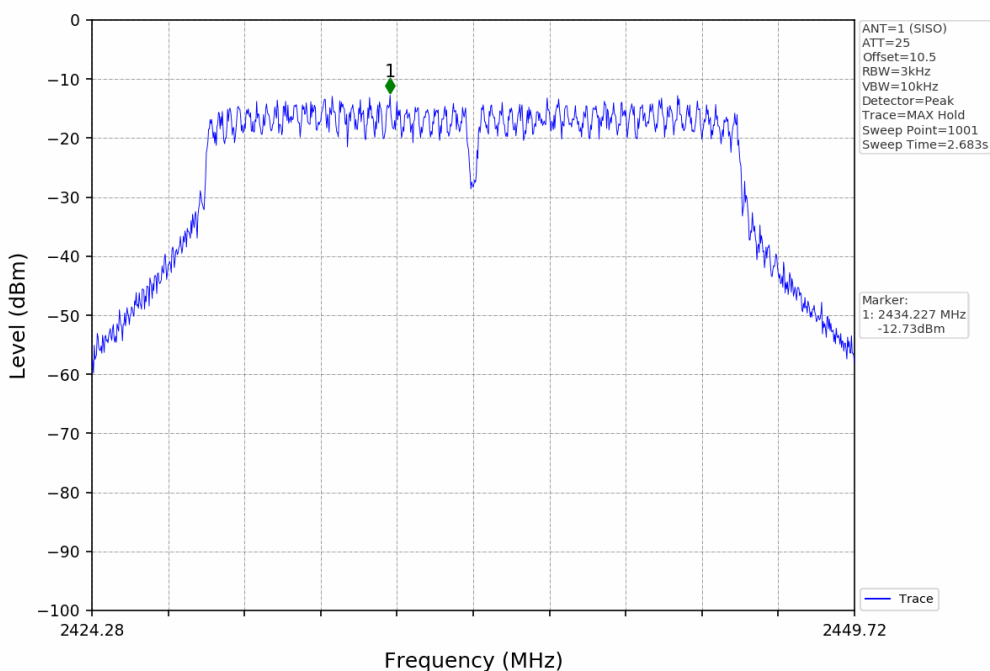
Maximum Power Spectral Density (PSD) NTVN_802.11n(HT20) SISO_2462MHz_ANT1



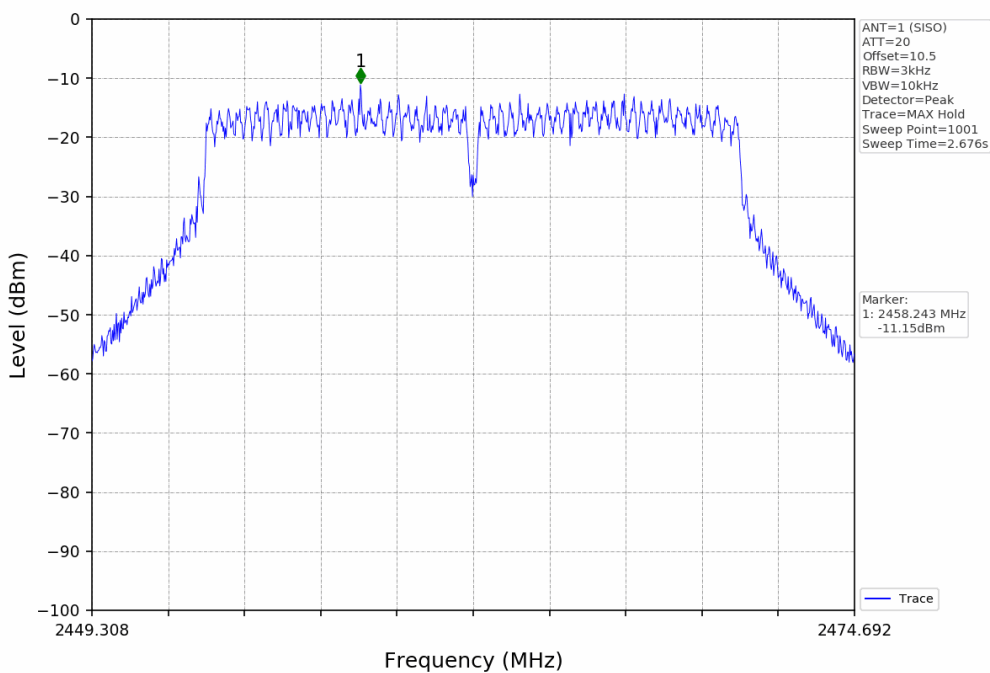
Maximum Power Spectral Density (PSD) NTVN_802.11n(HT20) SISO_2412MHz_ANT2



Maximum Power Spectral Density (PSD) NTVN_802.11n(HT20)_SISO_2437MHz_ANT2



Maximum Power Spectral Density (PSD) NTVN_802.11n(HT20)_SISO_2462MHz_ANT2



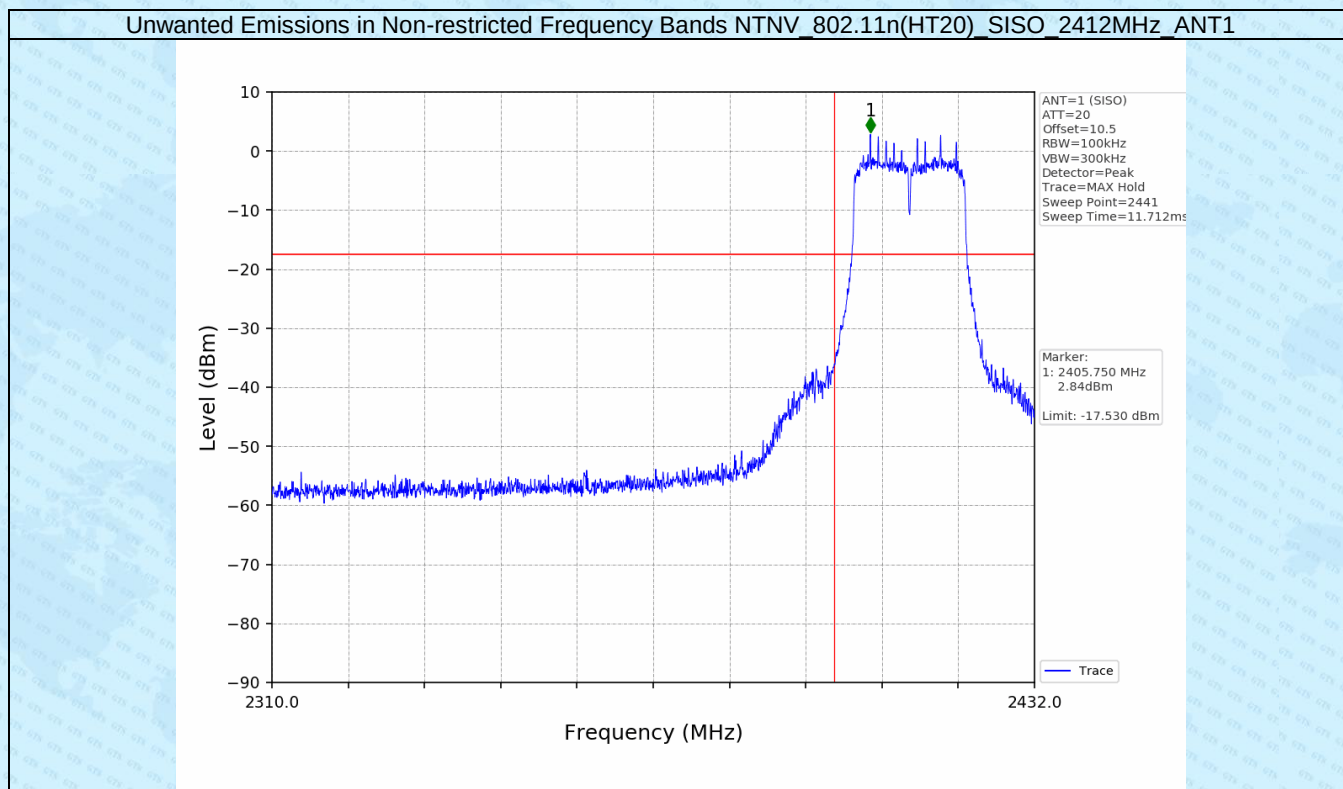
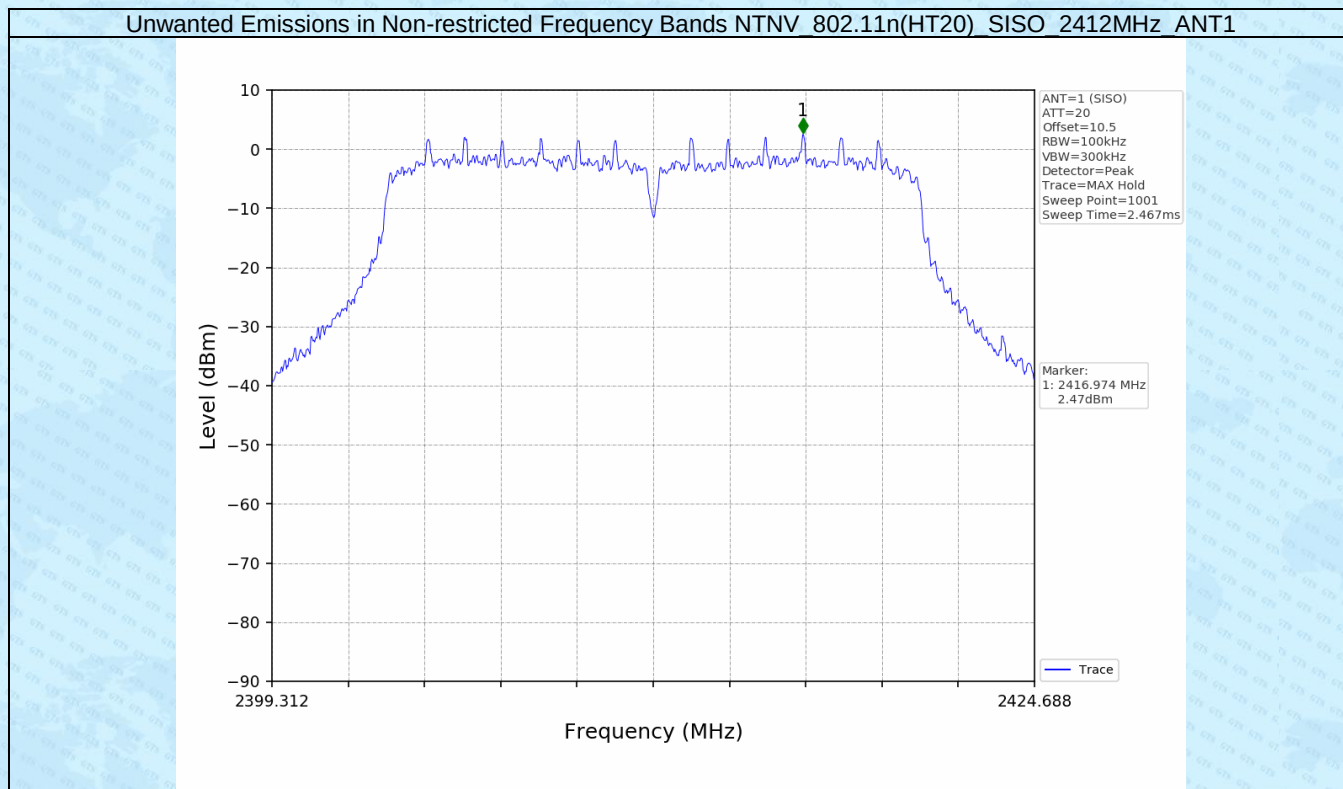
4. Unwanted Emissions in Non-restricted Frequency Bands

4.1 Test Result

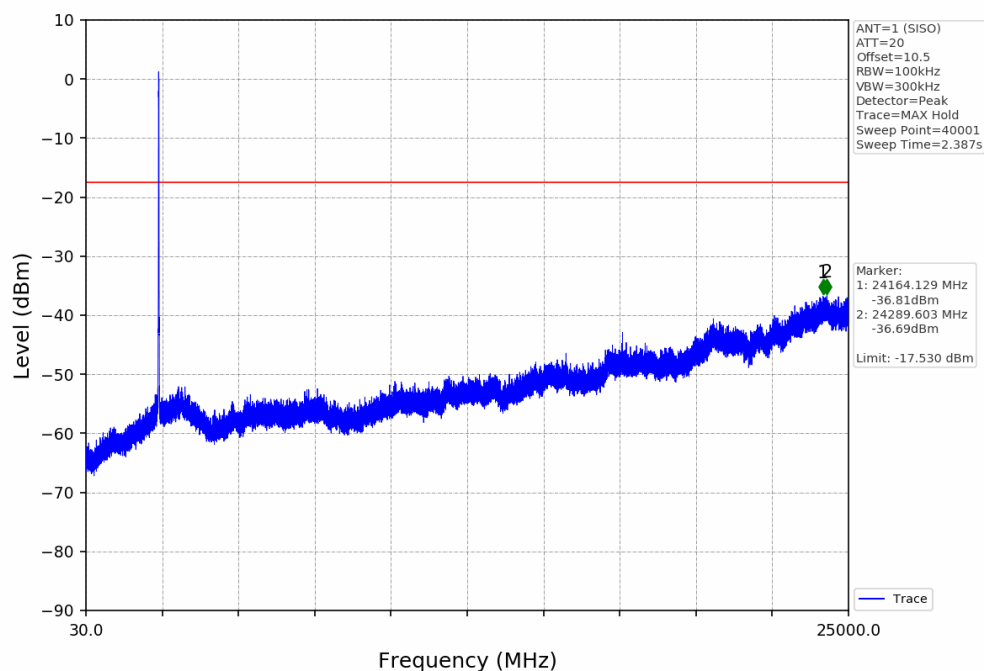
Only show the worst case

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	-17.53	PASS
	2437	SISO	1	Refer to test graph	-17.53	PASS
	2462	SISO	1	Refer to test graph	-17.53	PASS

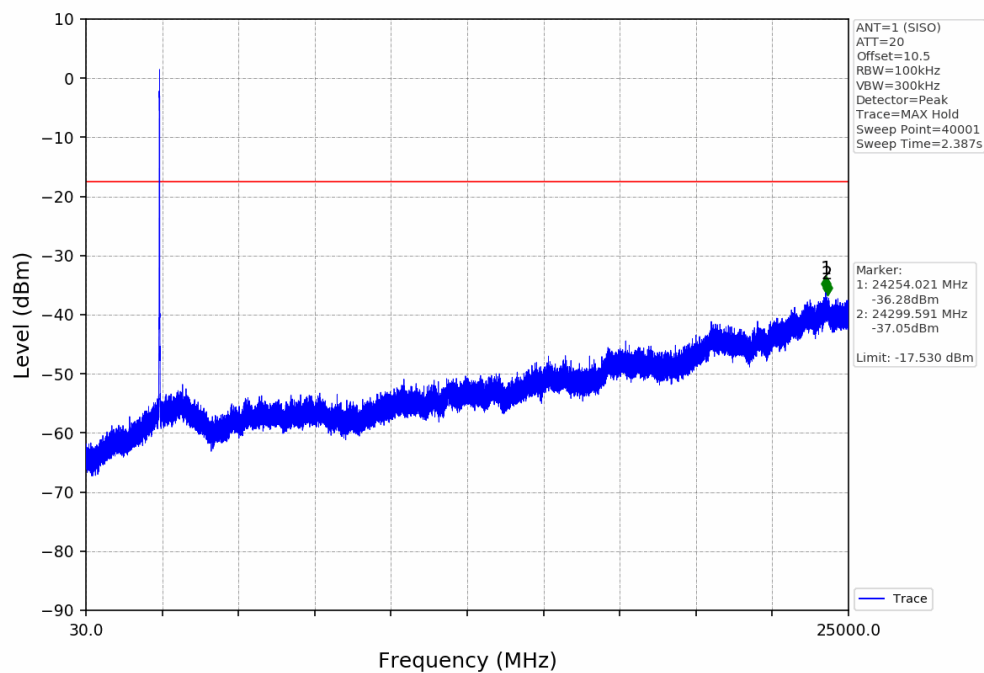
4.2 Test Graph



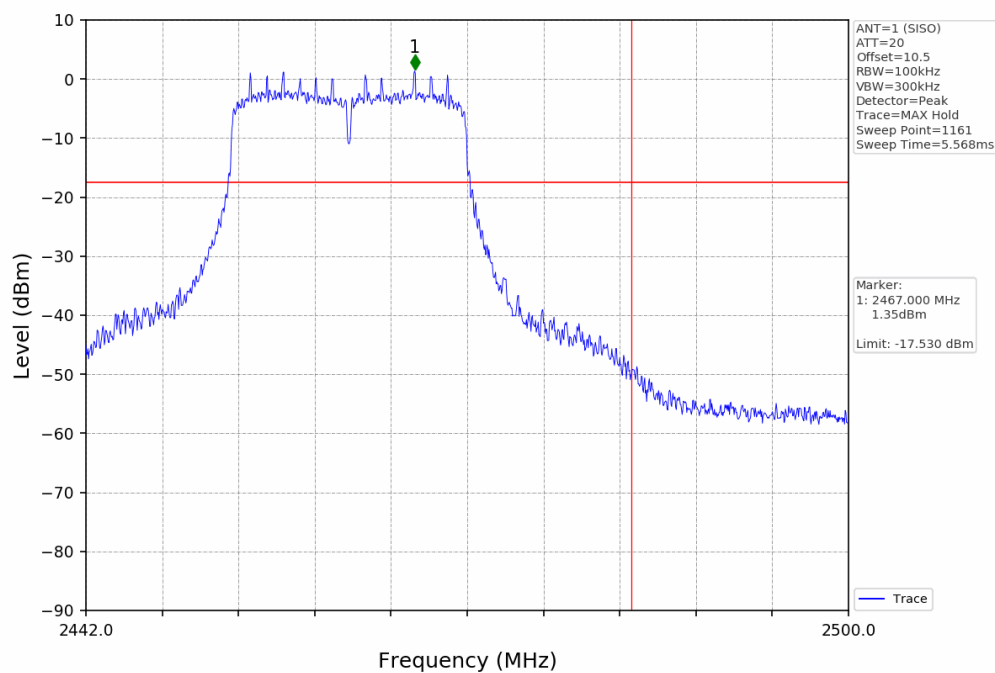
Unwanted Emissions in Non-restricted Frequency Bands NTNV 802.11n(HT20) SISO 2412MHz ANT1



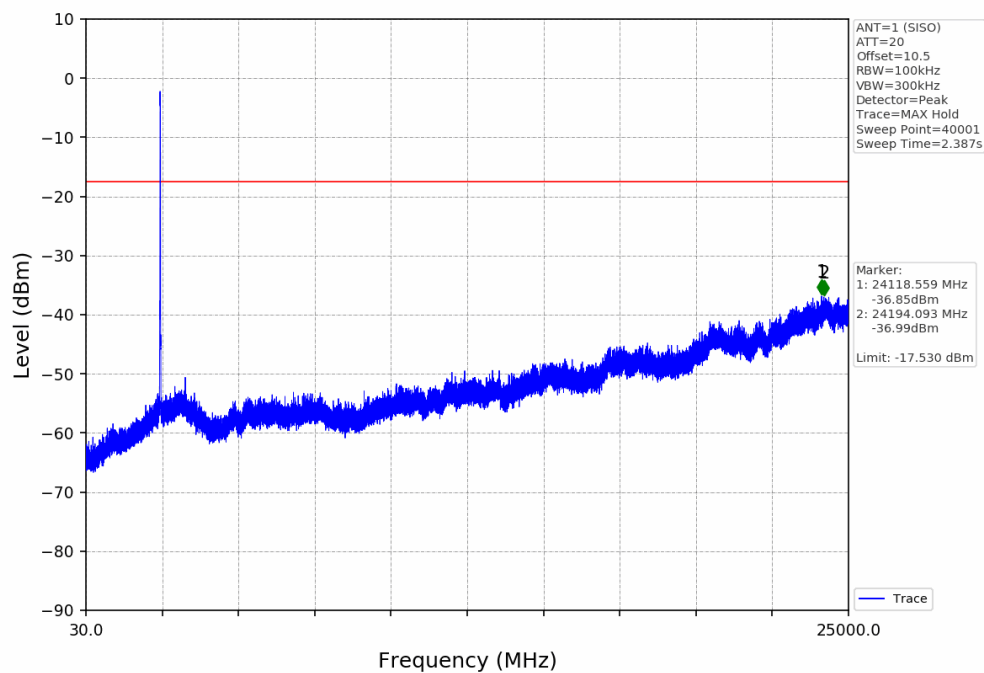
Unwanted Emissions in Non-restricted Frequency Bands NTNV 802.11n(HT20) SISO 2437MHz ANT1



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



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