# Appendix for 15.247

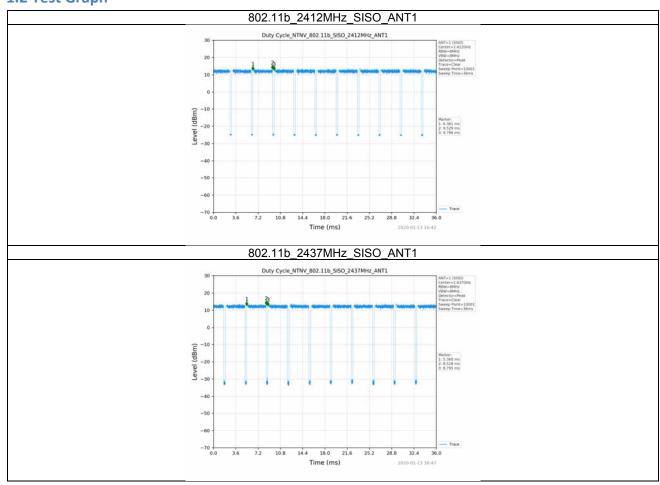
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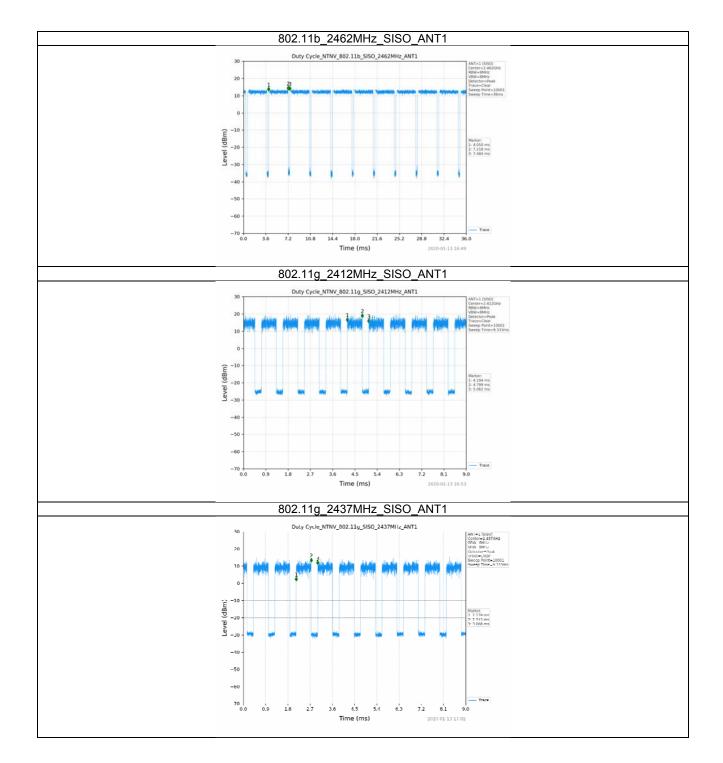
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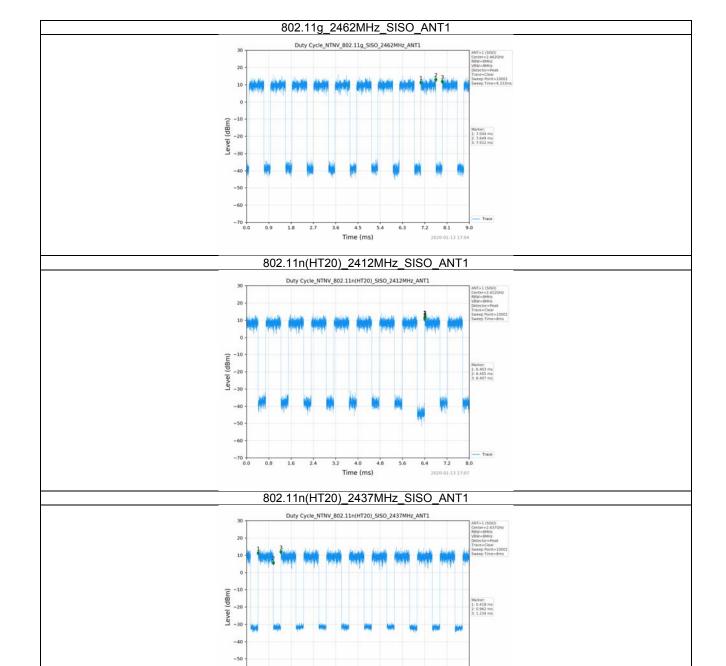
# 1. Duty Cycle

## 1.1 Test Result

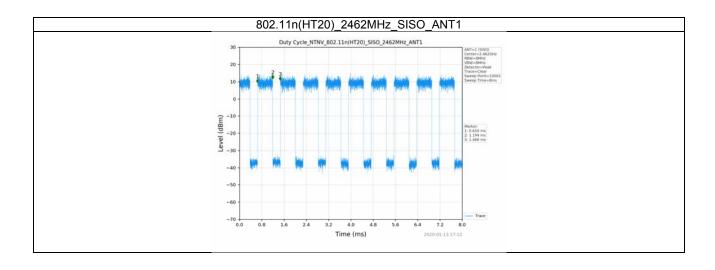
Test Mode	Channel Frequency( MHz)	ТХ Туре	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
	2412	SISO	1	3.168	3.435	92.23	0.35
802.11b	2437	SISO	1	3.168	3.435	92.23	0.35
	2462	SISO	1	3.168	3.434	92.25	0.35
802.11g	2412	SISO	1	0.605	0.868	69.70	1.57
	2437	SISO	1	0.606	0.869	69.74	1.57
	2462	SISO	1	0.605	0.868	69.70	1.57
802.11n(HT20)	2412	SISO	1	0.002	0.004	50.00	3.01
	2437	SISO	1	0.544	0.816	66.67	1.76
	2462	SISO	1	0.544	0.816	66.67	1.76







4.0 Time (ms) 7.2 8.0 2020-01-13 17:10



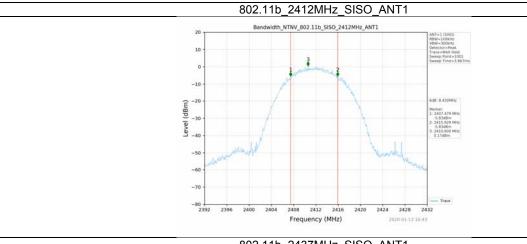
## 2. Bandwidth

## 2.1 Test Result

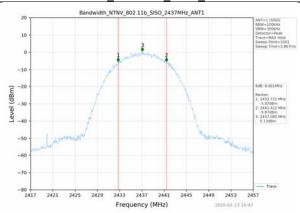
Test Mode Frequency (MHz)	Frequency	lency Tyme	4 N. T. N. a	6dB Bandwidth		\/a mali a t
	TX Type ANT No.		Test Result (MHz)	Limits (MHz)	Verdict	
	2412	SISO	1	8.450	≥0.5	PASS
802.11b	2437	SISO	1	8.681	≥0.5	PASS
2462	SISO	1	8.502	≥0.5	PASS	
	2412	SISO	1	16.455	≥0.5	PASS
802.11g	2437	SISO	1	16.464	≥0.5	PASS
	2462	SISO	1	16.462	≥0.5	PASS
	2412	SISO	1	17.662	≥0.5	PASS
802.11n(HT20)	2437	SISO	1	17.644	≥0.5	PASS
	2462	SISO	1	17.724	≥0.5	PASS

Test Mode Frequency (MHz)		quency TV Type	ANT No.	99% Occupied Bandwidth		
		TX Type		Test Result (MHz)		
	2412	SISO	1	12.828	Only for Report Use	
802.11b	2437	SISO	1	12.843	Only for Report Use	
24	2462	SISO	1	12.910	Only for Report Use	
	2412	SISO	1	16.766	Only for Report Use	
	2437	SISO	1	16.698	Only for Report Use	
	2462	SISO	1	16.743	Only for Report Use	
	2412	SISO	1	17.839	Only for Report Use	
802.11n(HT20)	2437	SISO	1	17.829	Only for Report Use	
	2462	SISO	1	17.834	Only for Report Use	

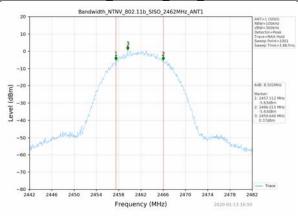
# 2.2 Test Graph - 6dB Bandwidth

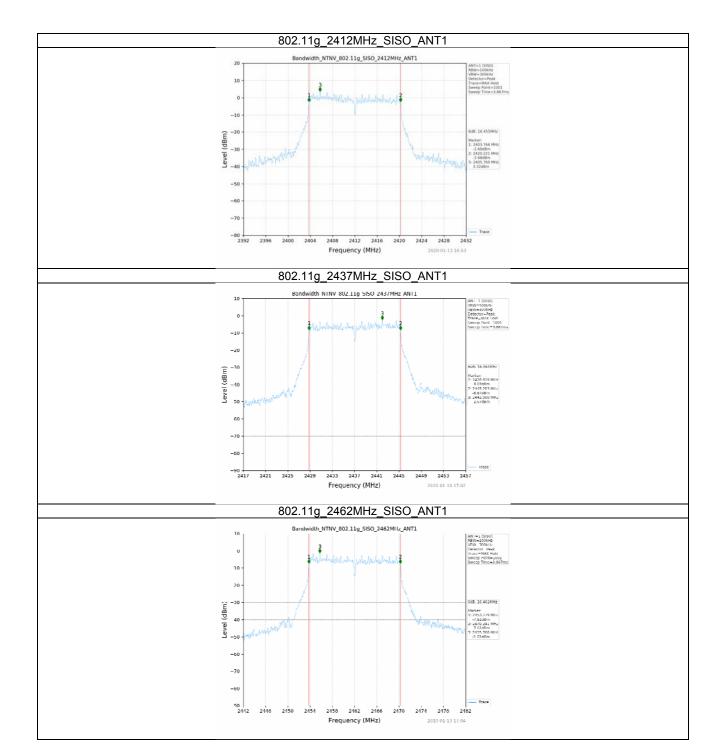


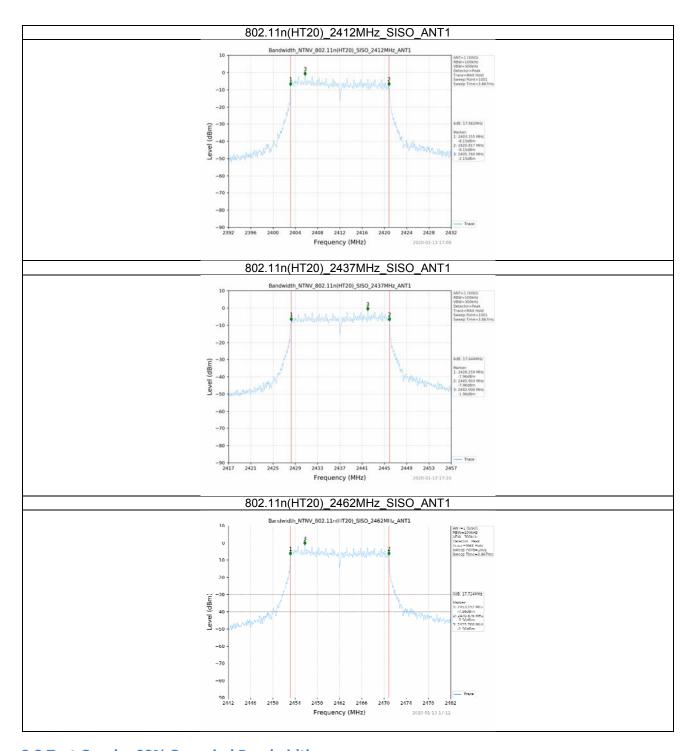
## 802.11b\_2437MHz\_SISO\_ANT1



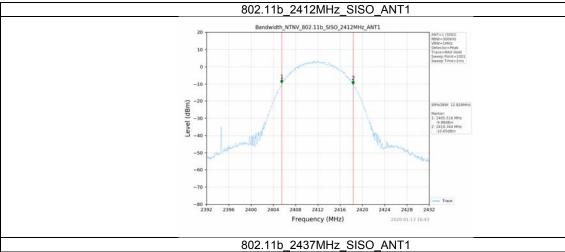
## 802.11b\_2462MHz\_SISO\_ANT1

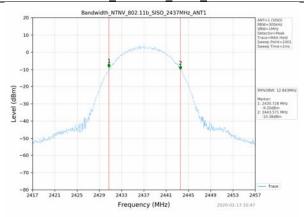




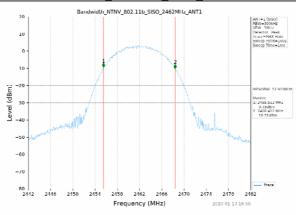


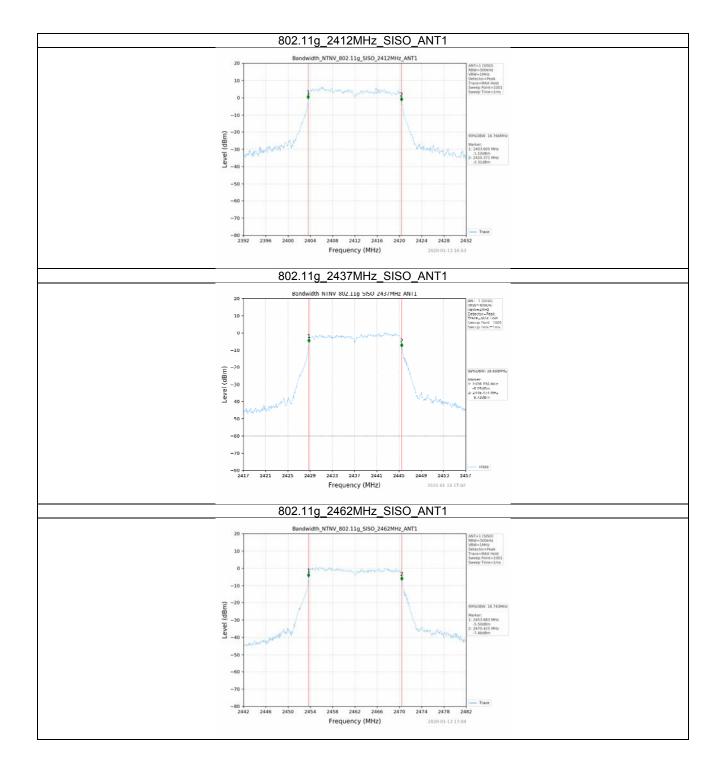
2.3 Test Graph - 99% Occupied Bandwidth

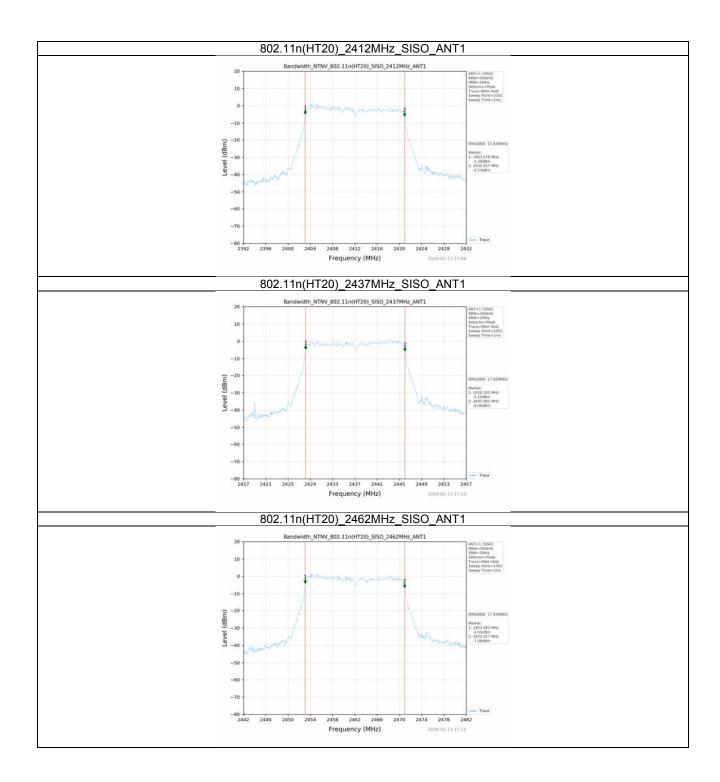




## 802.11b\_2462MHz\_SISO\_ANT1





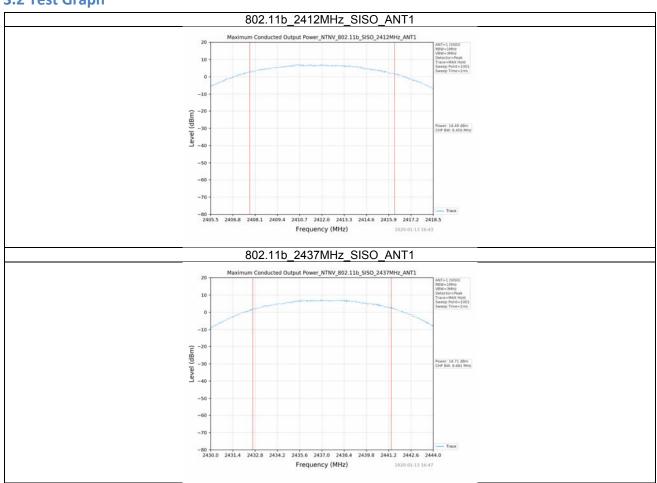


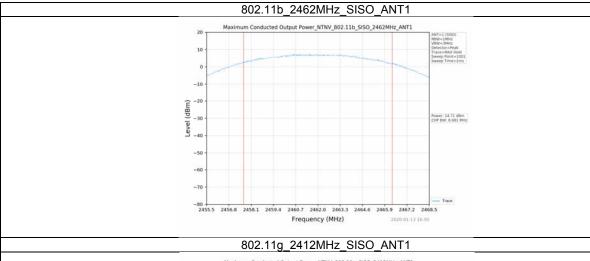
# 3. Maximum Conducted Output Power

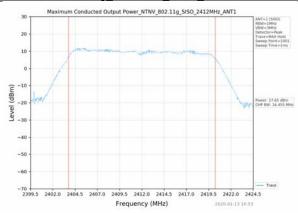
## 3.1 Test Result

Test Mode Frequency (MHz)		Limits (dBm)	Verdict
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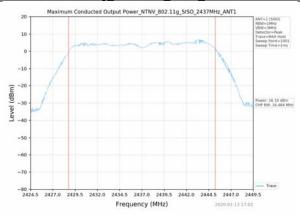
			Ant 1		
	2412	SISO	14.49	30	PASS
802.11b	2437	SISO	14.71	30	PASS
	2462	SISO	14.71	30	PASS
	2412	SISO	17.65	30	PASS
802.11g	2437	SISO	16.10	30	PASS
	2462	SISO	16.91	30	PASS
	2412	SISO	16.13	30	PASS
802.11n(HT20)	2437	SISO	16.69	30	PASS
	2462	SISO	16.92	30	PASS

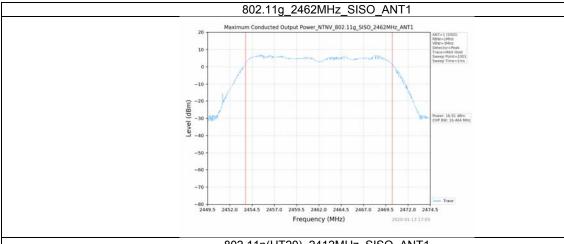




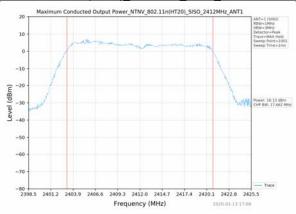


## 802.11g\_2437MHz\_SISO\_ANT1

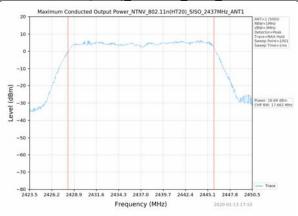


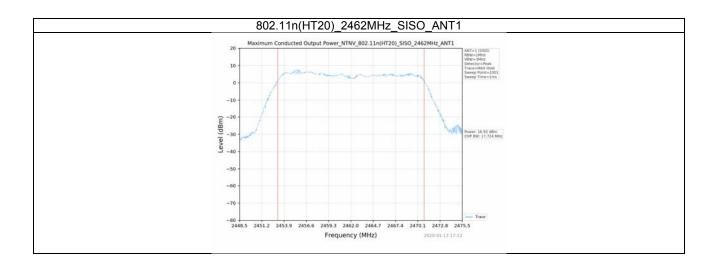


## 802.11n(HT20)\_2412MHz\_SISO\_ANT1



## 802.11n(HT20)\_2437MHz\_SISO\_ANT1

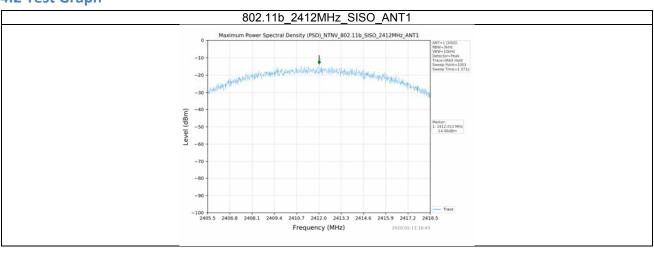


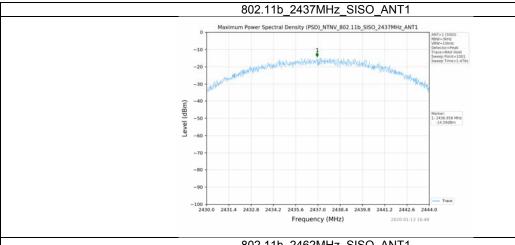


# 4. Maximum Power Spectral Density (PSD)

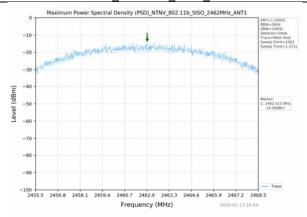
## **4.1 Test Result**

Test Mode	Frequency (MHz)	Тх Туре	Maximum Power Spectral Density (dBm/3KHz) Ant 1	Limits (dBm/3kHz)	Verdict
	2412	SISO	-14.06	≤8	PASS
802.11b	2437	SISO	-14.59	≤8	PASS
	2462	SISO	-14.09	≤8	PASS
	2412	SISO	-11.92	≤8	PASS
802.11g	2437	SISO	-17.49	≤8	PASS
	2462	SISO	-16.91	≤8	PASS
	2412	SISO	-16.13	≤8	PASS
802.11n(HT20)	2437	SISO	-16.96	≤8	PASS
	2462	SISO	-15.58	≤8	PASS

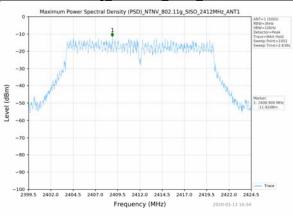


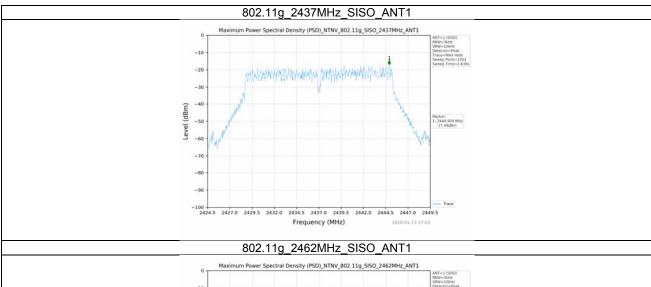


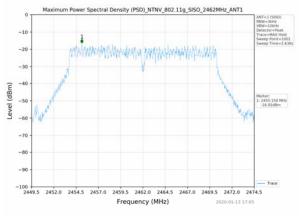
## 802.11b\_2462MHz\_SISO\_ANT1

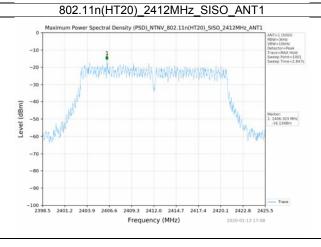


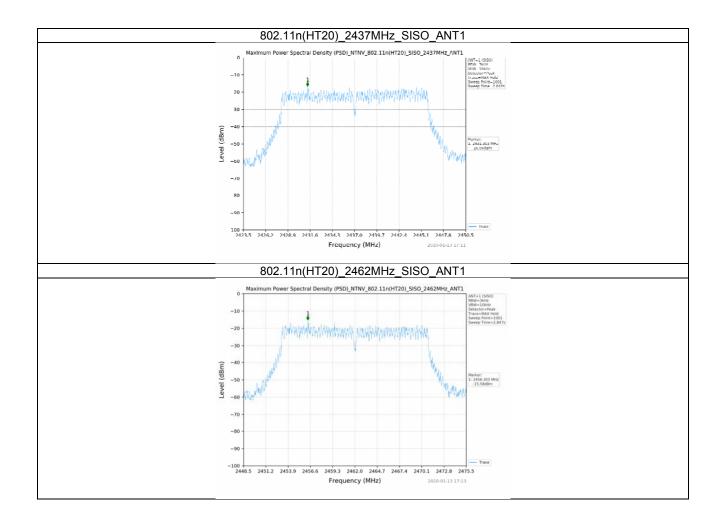
## 802.11g\_2412MHz\_SISO\_ANT1







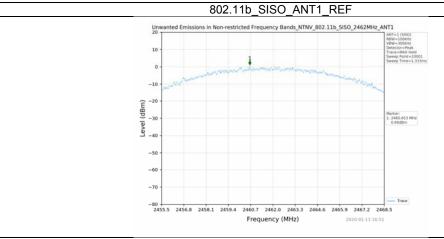




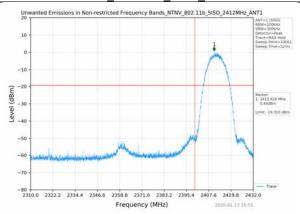
# 5. Unwanted Emissions in Non-restricted Frequency Bands

## **5.1 Test Result**

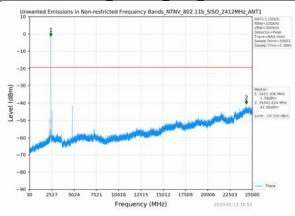
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
	2412	SISO	1	Refer to test graph	-19.31	PASS
802.11b	2437	SISO	1	Refer to test graph	-19.31	PASS
	2462	SISO	1	Refer to test graph	-19.31	PASS
	2412	SISO	1	Refer to test graph	-16.75	PASS
802.11g	2437	SISO	1	Refer to test graph	-16.75	PASS
	2462	SISO	1	Refer to test graph	-16.75	PASS
	2412	SISO	1	Refer to test graph	-21.59	PASS
802.11n(HT20)	2437	SISO	1	Refer to test graph	-21.59	PASS
	2462	SISO	1	Refer to test graph	-21.59	PASS

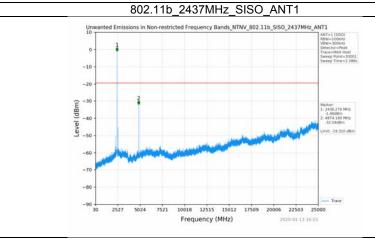


## 802.11b\_2412MHz\_SISO\_ANT1

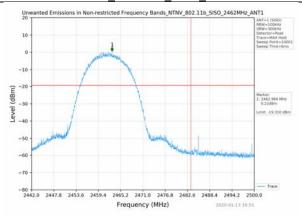


## 802.11b\_2412MHz\_SISO\_ANT1

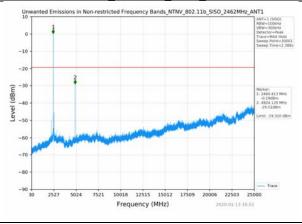


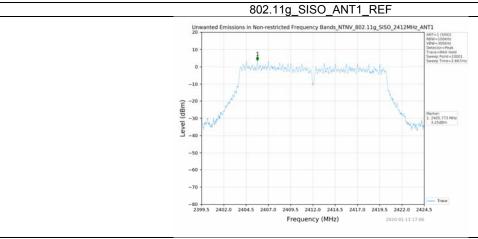


## 802.11b\_2462MHz\_SISO\_ANT1

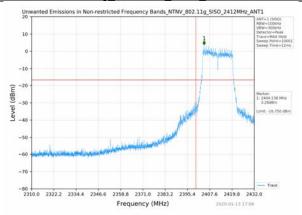


## 802.11b\_2462MHz\_SISO\_ANT1

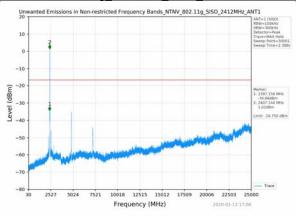


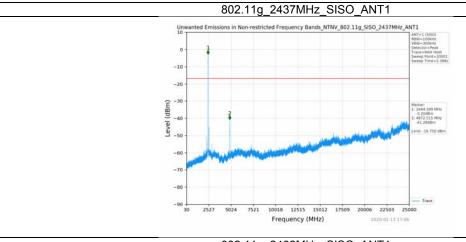


## 802.11g\_2412MHz\_SISO\_ANT1

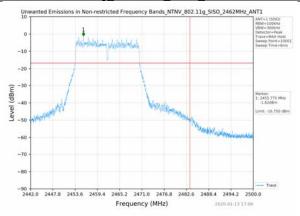


## 802.11g\_2412MHz\_SISO\_ANT1

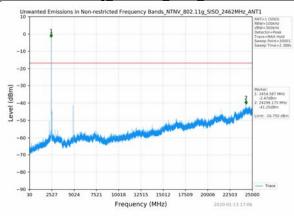


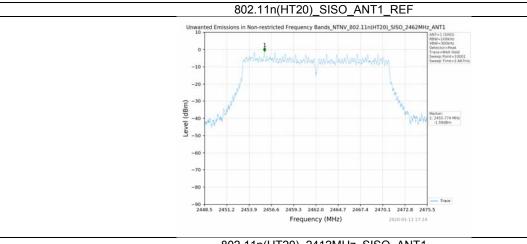


## 802.11g\_2462MHz\_SISO\_ANT1

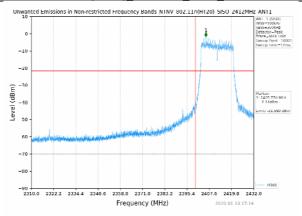


## 802.11g\_2462MHz\_SISO\_ANT1

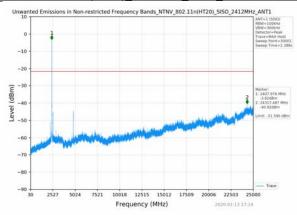


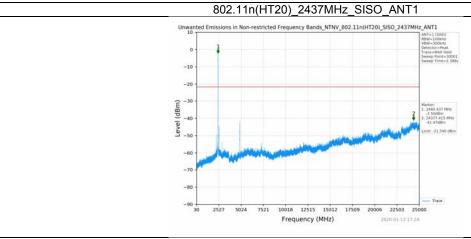


## 802.11n(HT20)\_2412MHz\_SISO\_ANT1

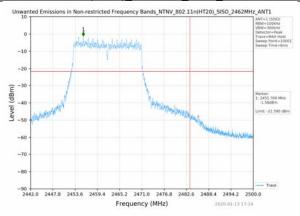


## 802.11n(HT20)\_2412MHz\_SISO\_ANT1





## 802.11n(HT20)\_2462MHz\_SISO\_ANT1



## 802.11n(HT20)\_2462MHz\_SISO\_ANT1

