

## Appendix for 15.247

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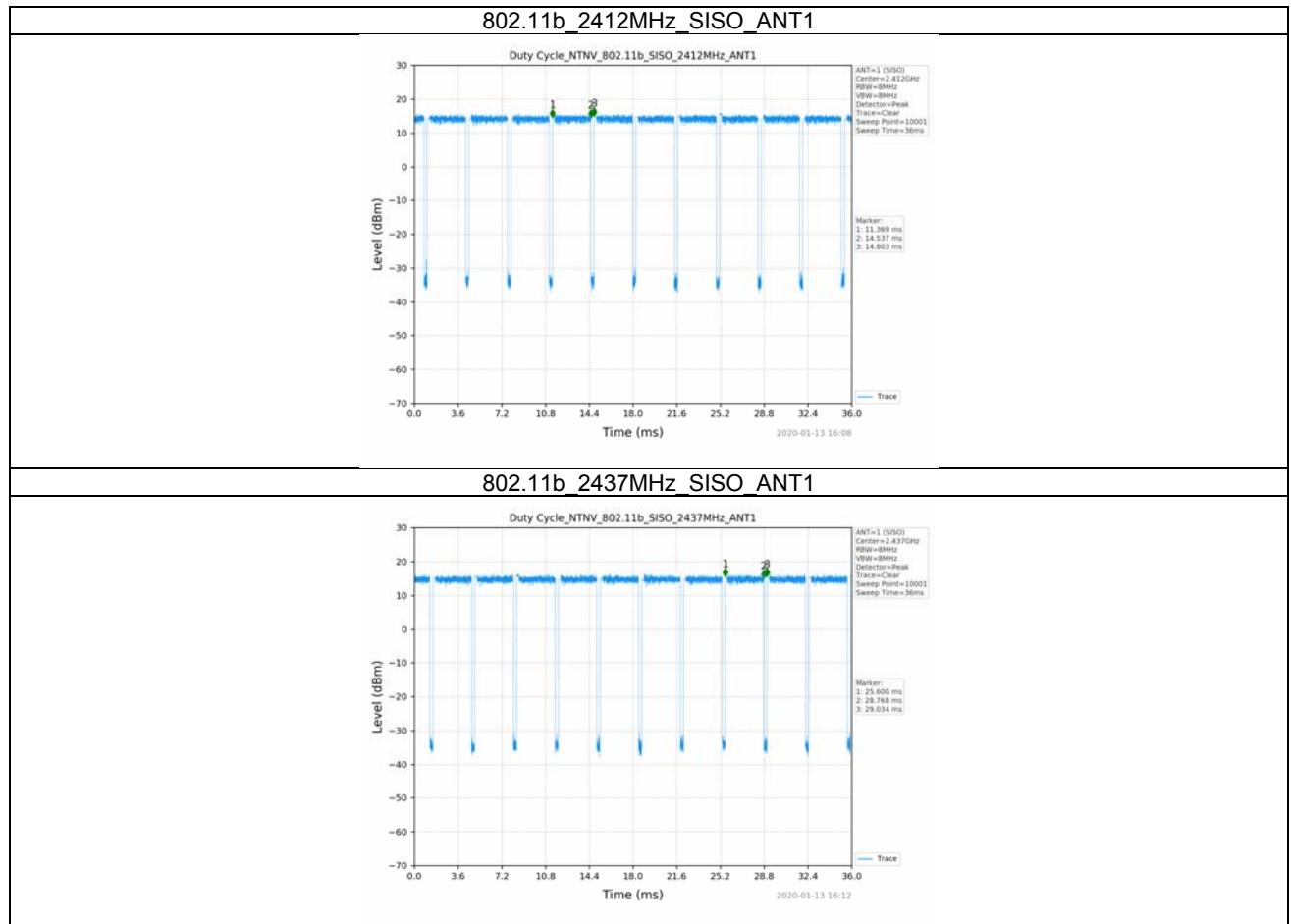
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## 1. Duty Cycle

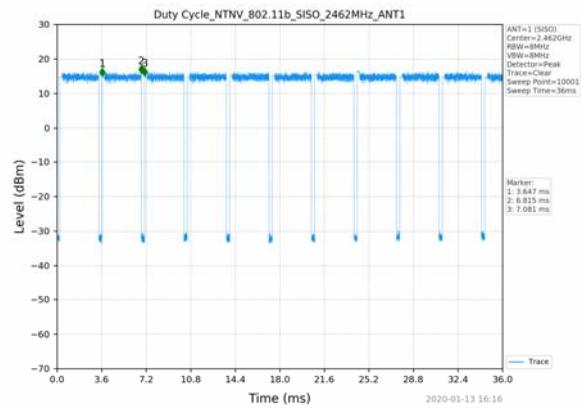
### 1.1 Test Result

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	3.168	3.434	92.25	0.35
	2437	SISO	1	3.168	3.434	92.25	0.35
	2462	SISO	1	3.168	3.434	92.25	0.35
802.11g	2412	SISO	1	0.605	0.867	69.78	1.56
	2437	SISO	1	0.605	0.868	69.70	1.57
	2462	SISO	1	0.605	0.868	69.70	1.57
802.11n(HT20)	2412	SISO	1	0.544	0.816	66.67	1.76
	2437	SISO	1	0.544	0.816	66.67	1.76
	2462	SISO	1	0.543	0.816	66.54	1.77

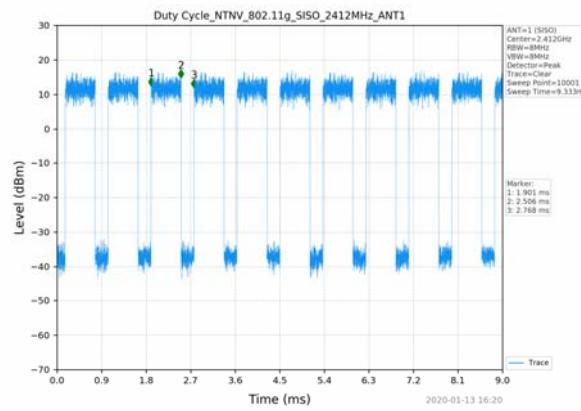
### 1.2 Test Graph



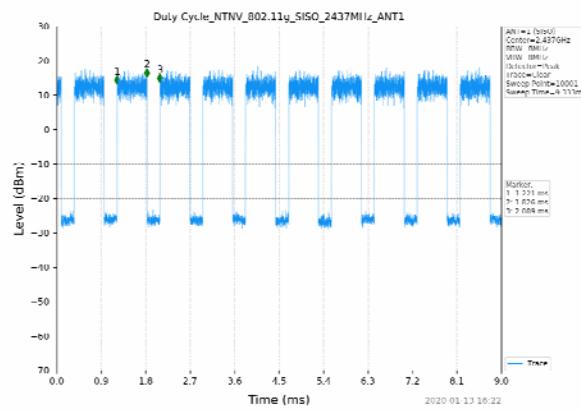
### 802.11b\_2462MHz\_SISO\_ANT1

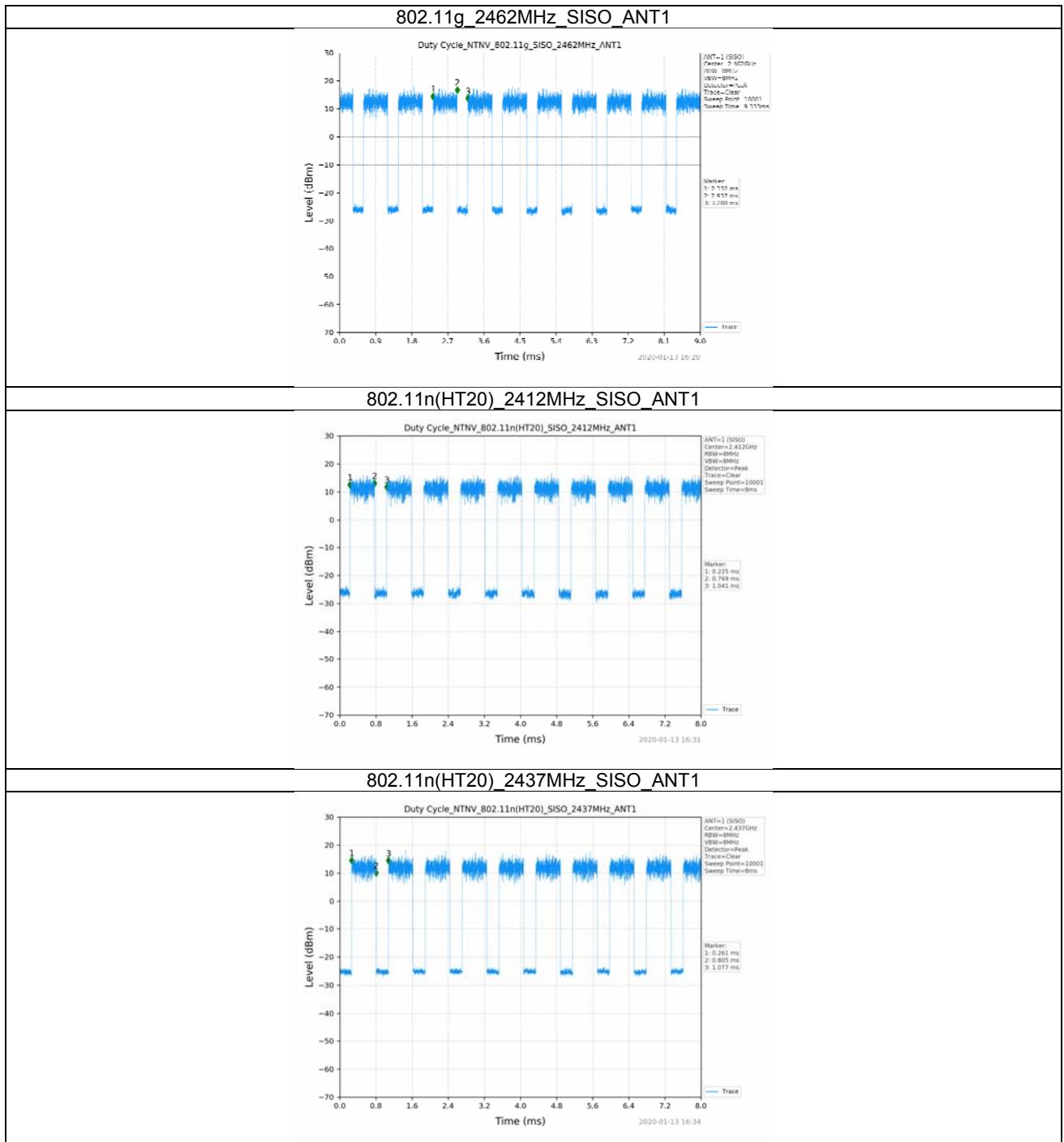


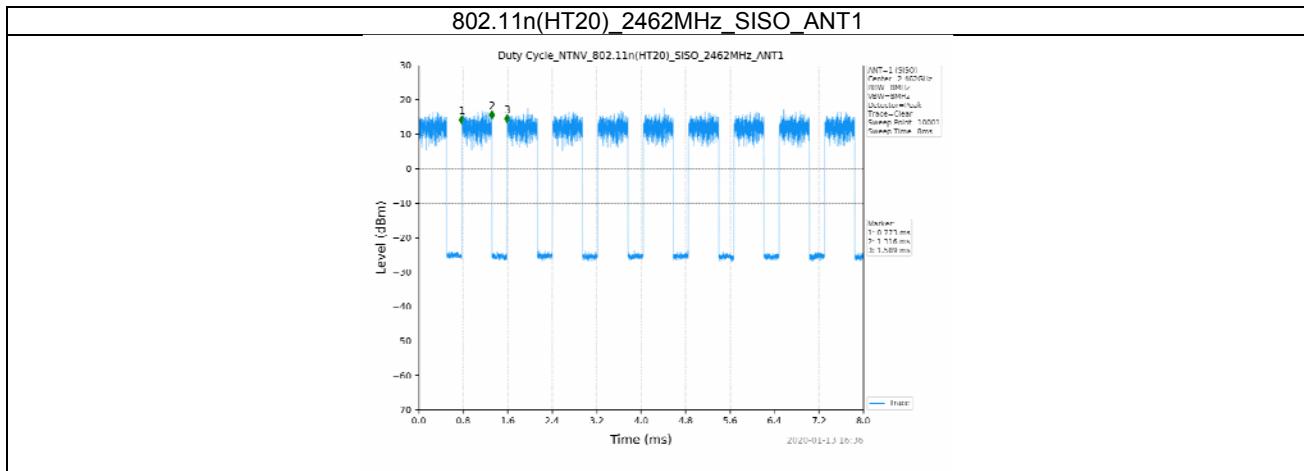
### 802.11g\_2412MHz\_SISO\_ANT1



### 802.11g\_2437MHz\_SISO\_ANT1







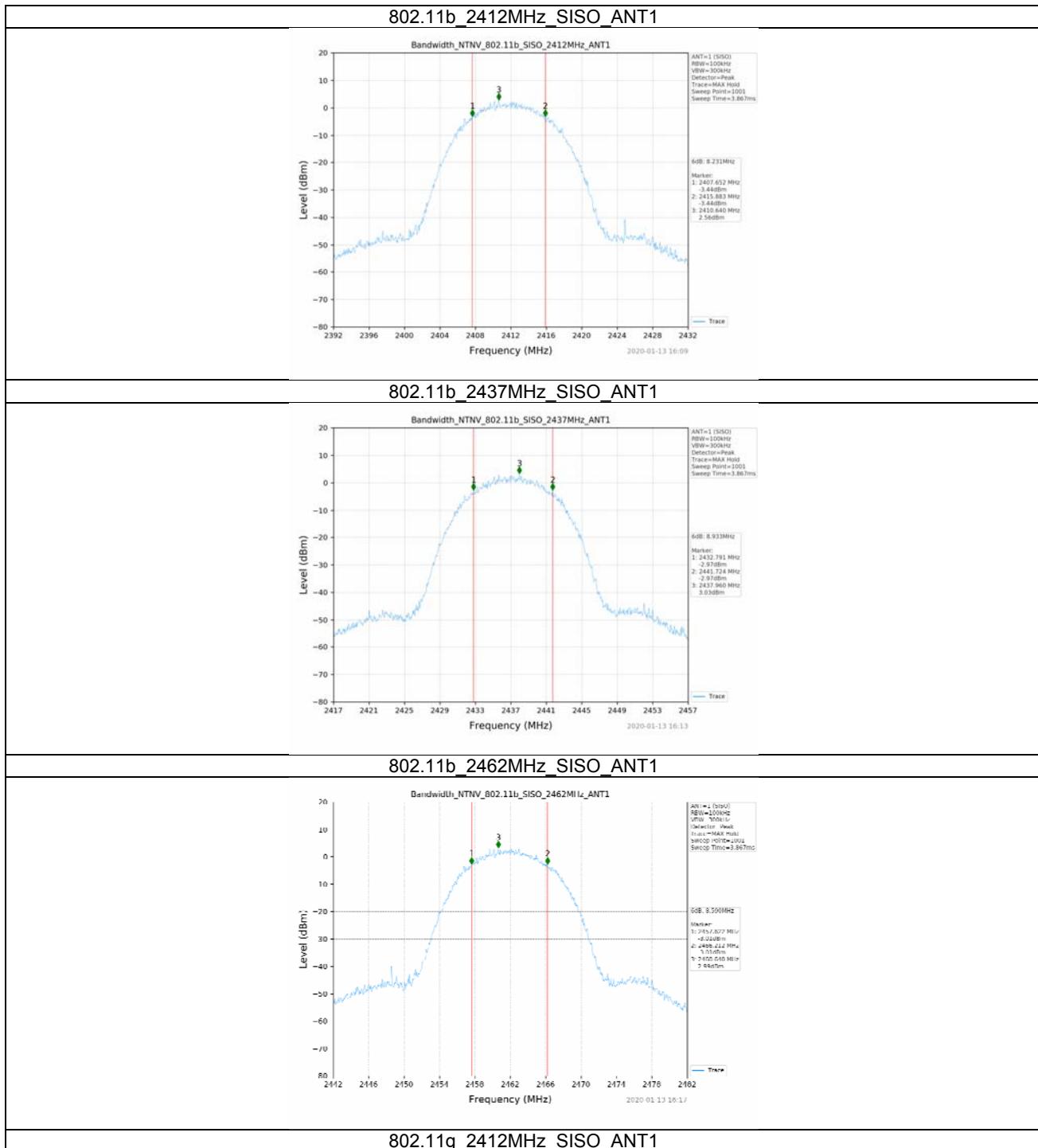
## 2. Bandwidth

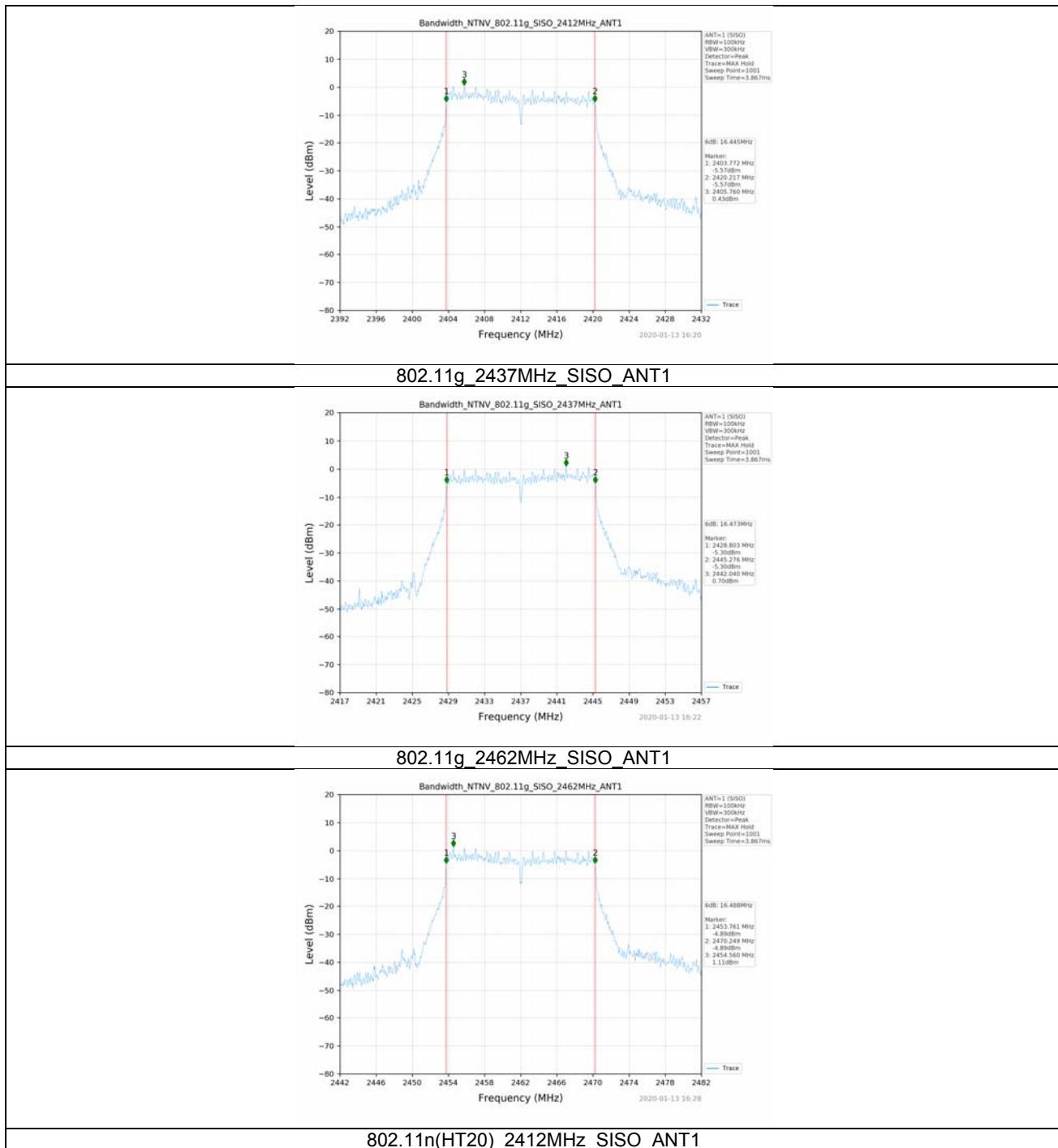
### 2.1 Test Result

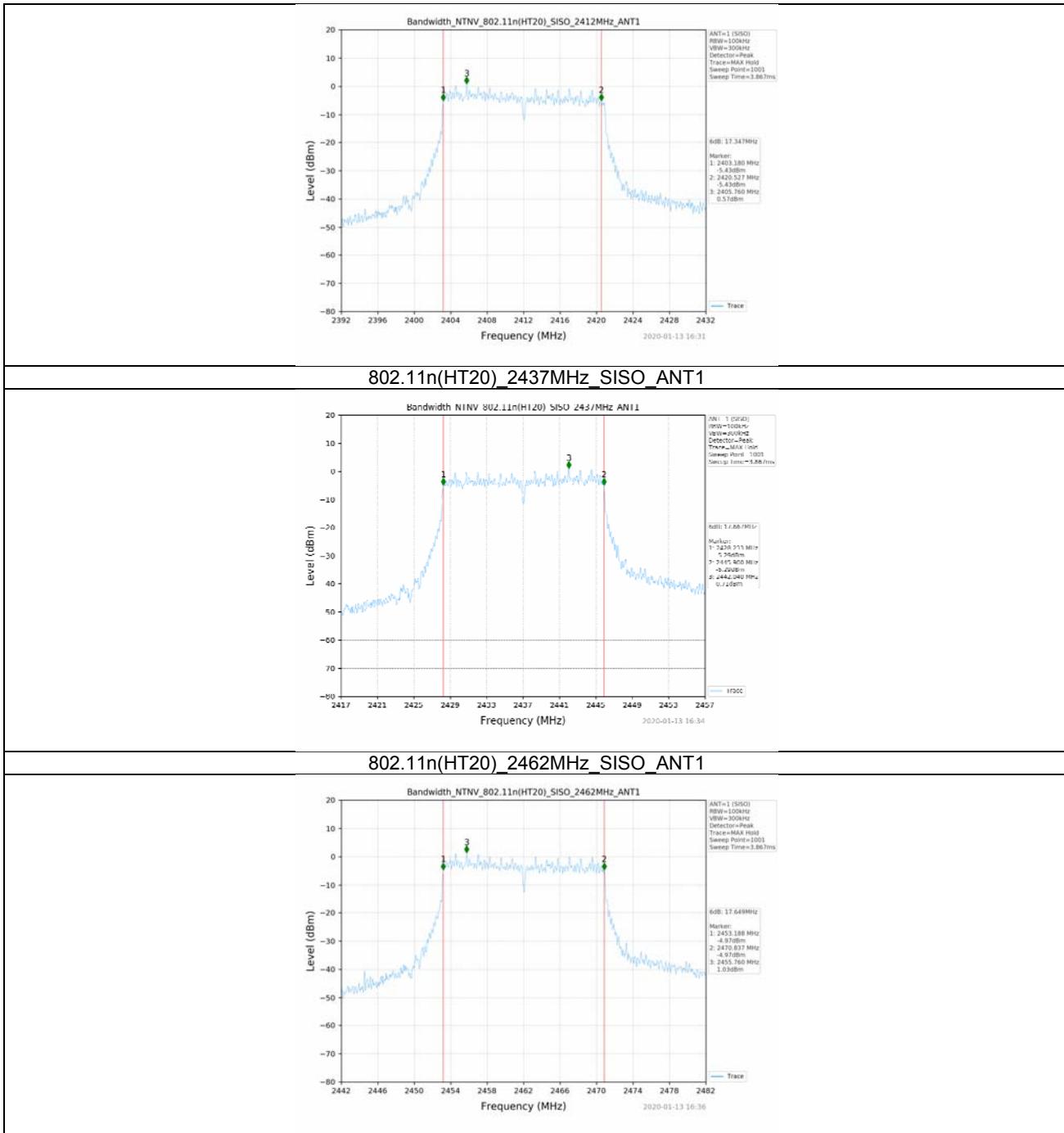
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	8.231	≥0.5	PASS
	2437	SISO	1	8.933	≥0.5	PASS
	2462	SISO	1	8.590	≥0.5	PASS
802.11g	2412	SISO	1	16.445	≥0.5	PASS
	2437	SISO	1	16.473	≥0.5	PASS
	2462	SISO	1	16.488	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.347	≥0.5	PASS
	2437	SISO	1	17.667	≥0.5	PASS
	2462	SISO	1	17.649	≥0.5	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	12.805	Only for Report Use
	2437	SISO	1	12.848	Only for Report Use
	2462	SISO	1	12.930	Only for Report Use
802.11g	2412	SISO	1	16.739	Only for Report Use
	2437	SISO	1	16.735	Only for Report Use
	2462	SISO	1	16.788	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.763	Only for Report Use
	2437	SISO	1	17.779	Only for Report Use
	2462	SISO	1	17.804	Only for Report Use

### 2.2 Test Graph - 6dB Bandwidth

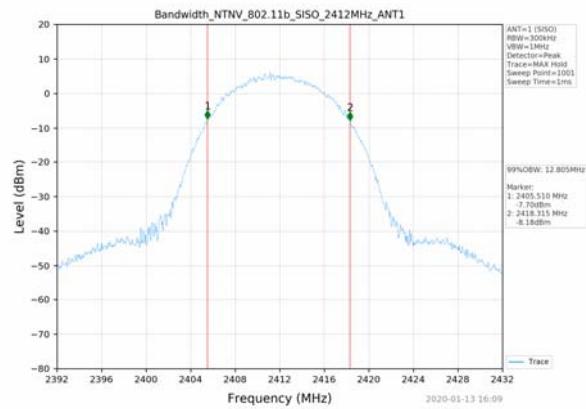




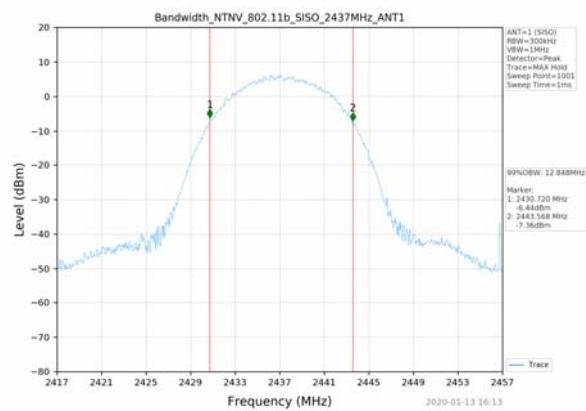


### 2.3 Test Graph - 99% Occupied Bandwidth

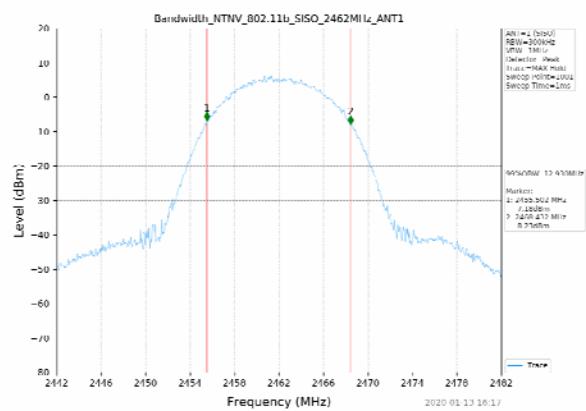
### 802.11b\_2412MHz\_SISO\_ANT1



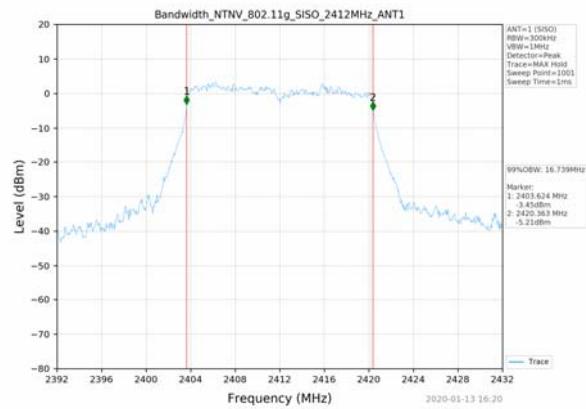
### 802.11b\_2437MHz\_SISO\_ANT1



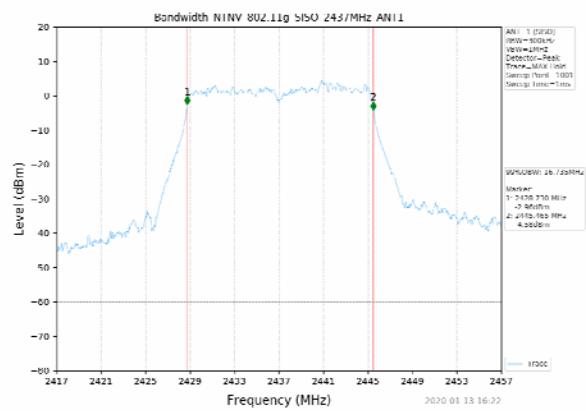
### 802.11b\_2462MHz\_SISO\_ANT1



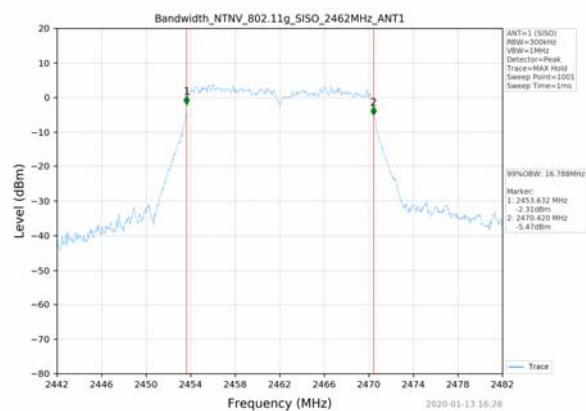
### 802.11g\_2412MHz\_SISO\_ANT1

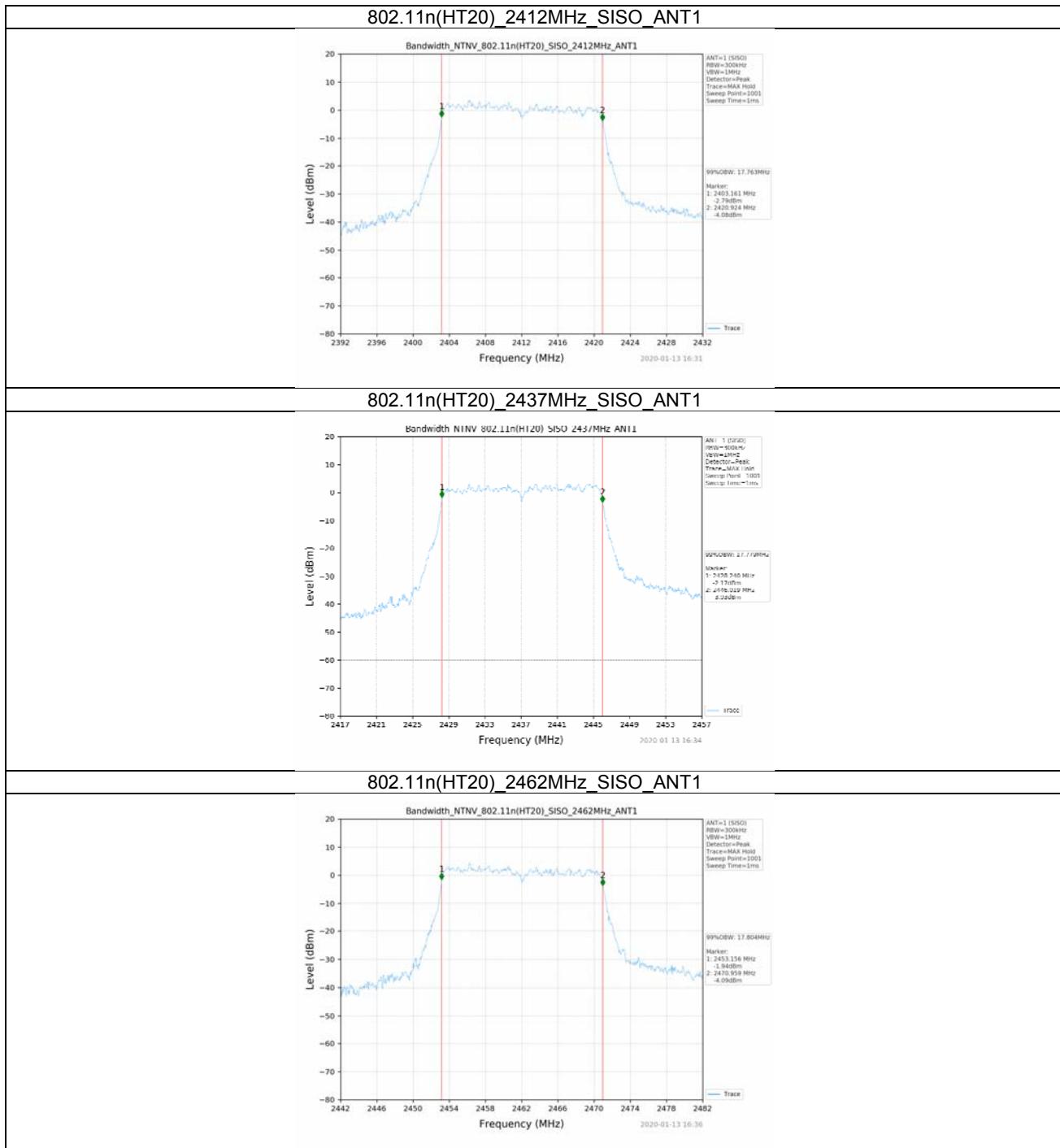


### 802.11g\_2437MHz\_SISO\_ANT1



### 802.11g\_2462MHz\_SISO\_ANT1





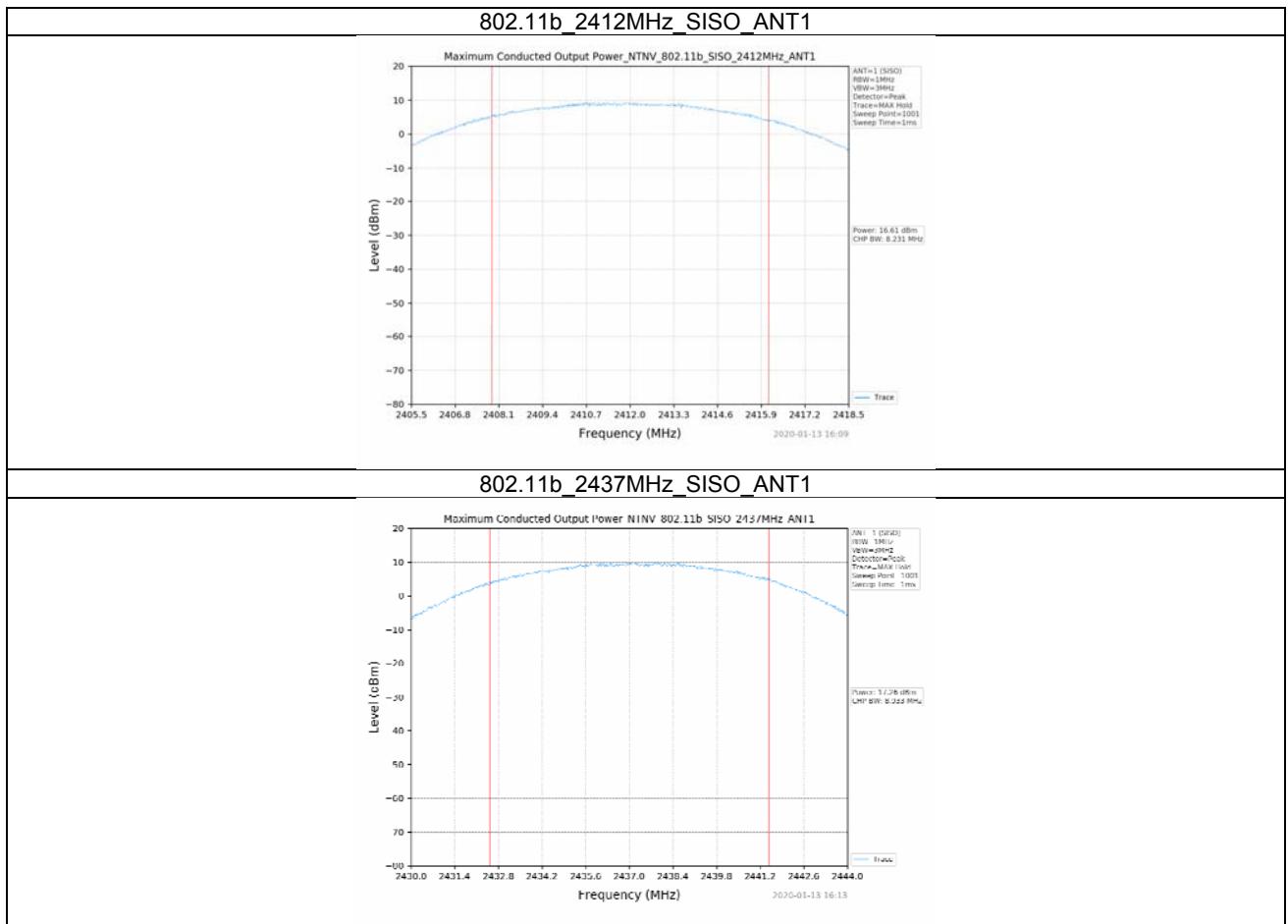
### 3. Maximum Conducted Output Power

#### 3.1 Test Result

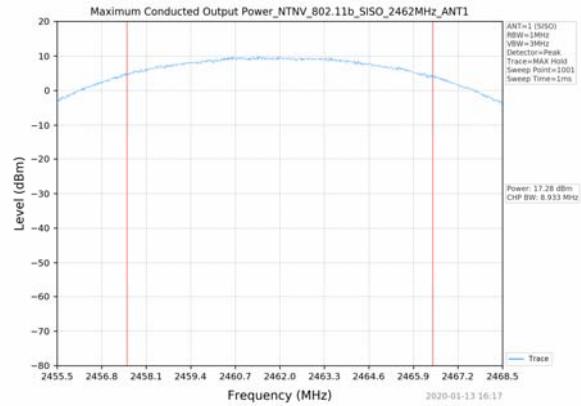
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
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			Ant 1		
802.11b	2412	SISO	16.61	30	PASS
	2437	SISO	17.26	30	PASS
	2462	SISO	17.28	30	PASS
802.11g	2412	SISO	18.79	30	PASS
	2437	SISO	19.49	30	PASS
	2462	SISO	19.65	30	PASS
802.11n(HT20)	2412	SISO	18.91	30	PASS
	2437	SISO	19.45	30	PASS
	2462	SISO	19.63	30	PASS

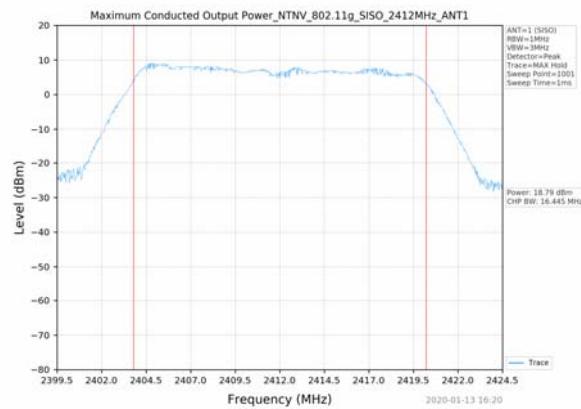
### 3.2 Test Graph



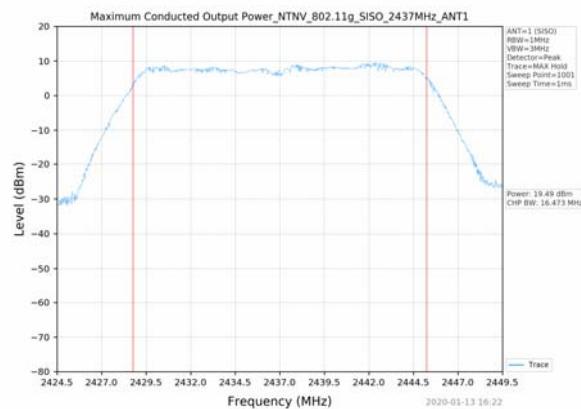
### 802.11b\_2462MHz\_SISO\_ANT1

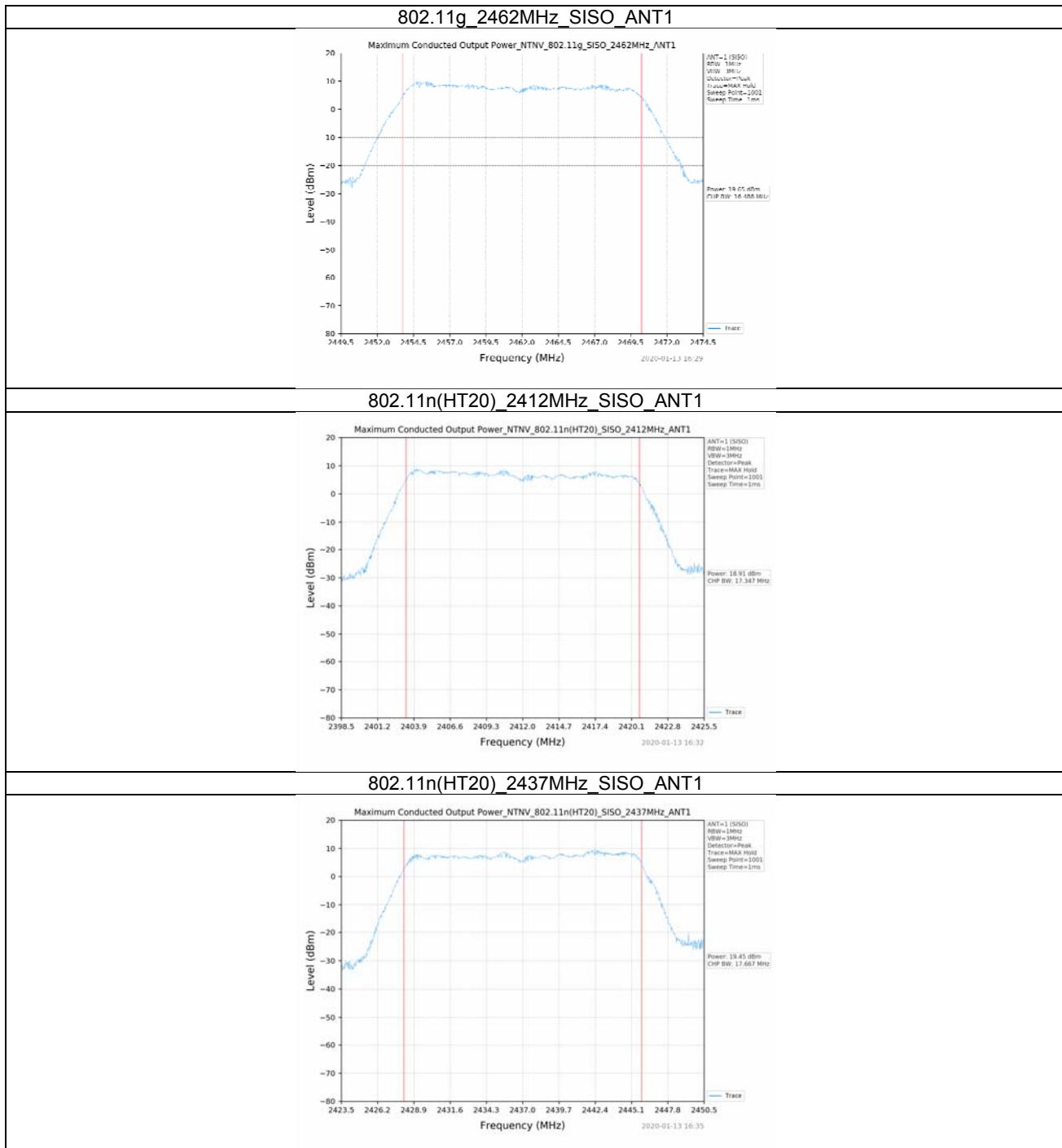


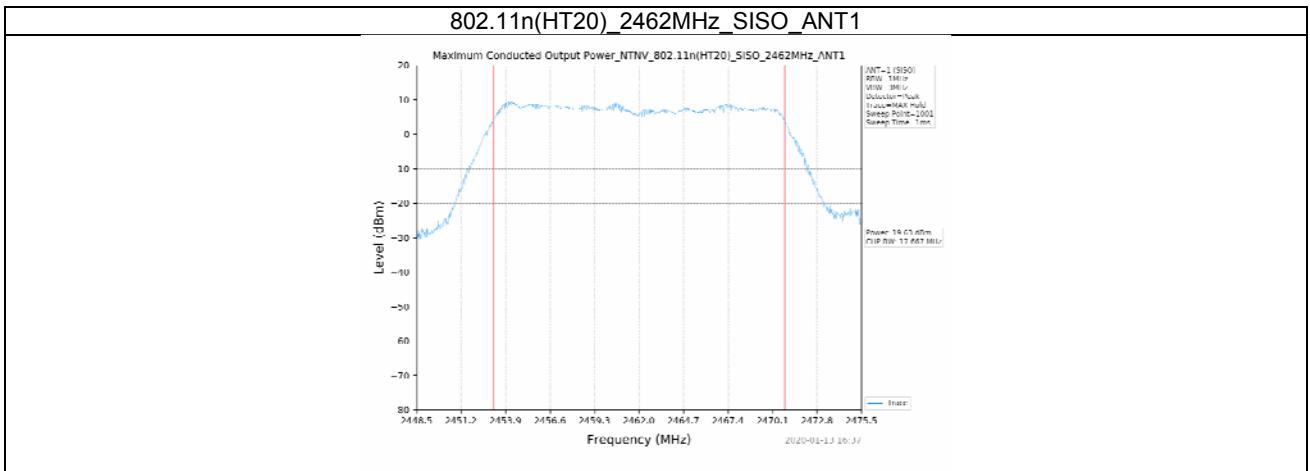
### 802.11g\_2412MHz\_SISO\_ANT1



### 802.11g\_2437MHz\_SISO\_ANT1





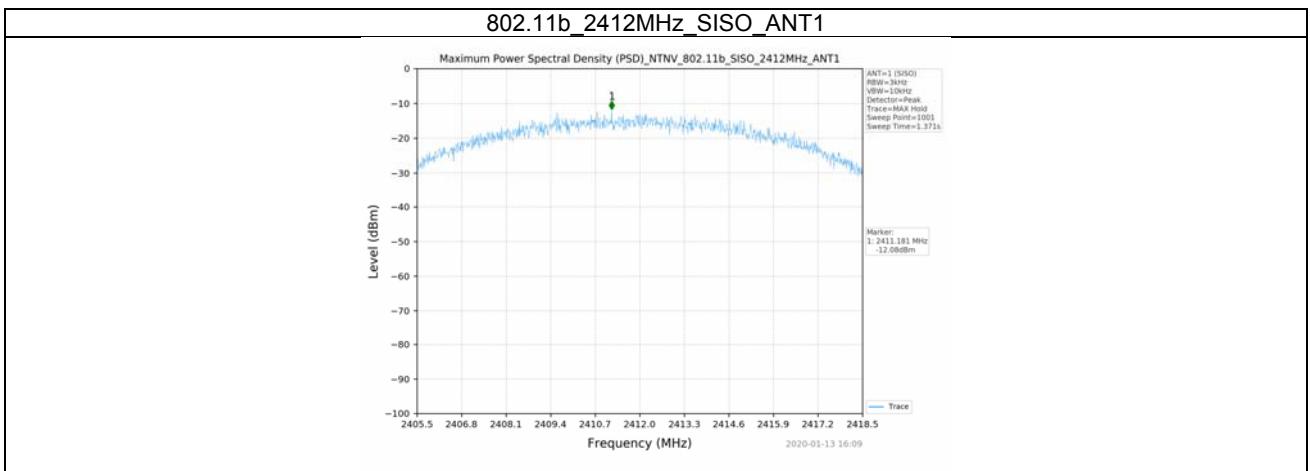


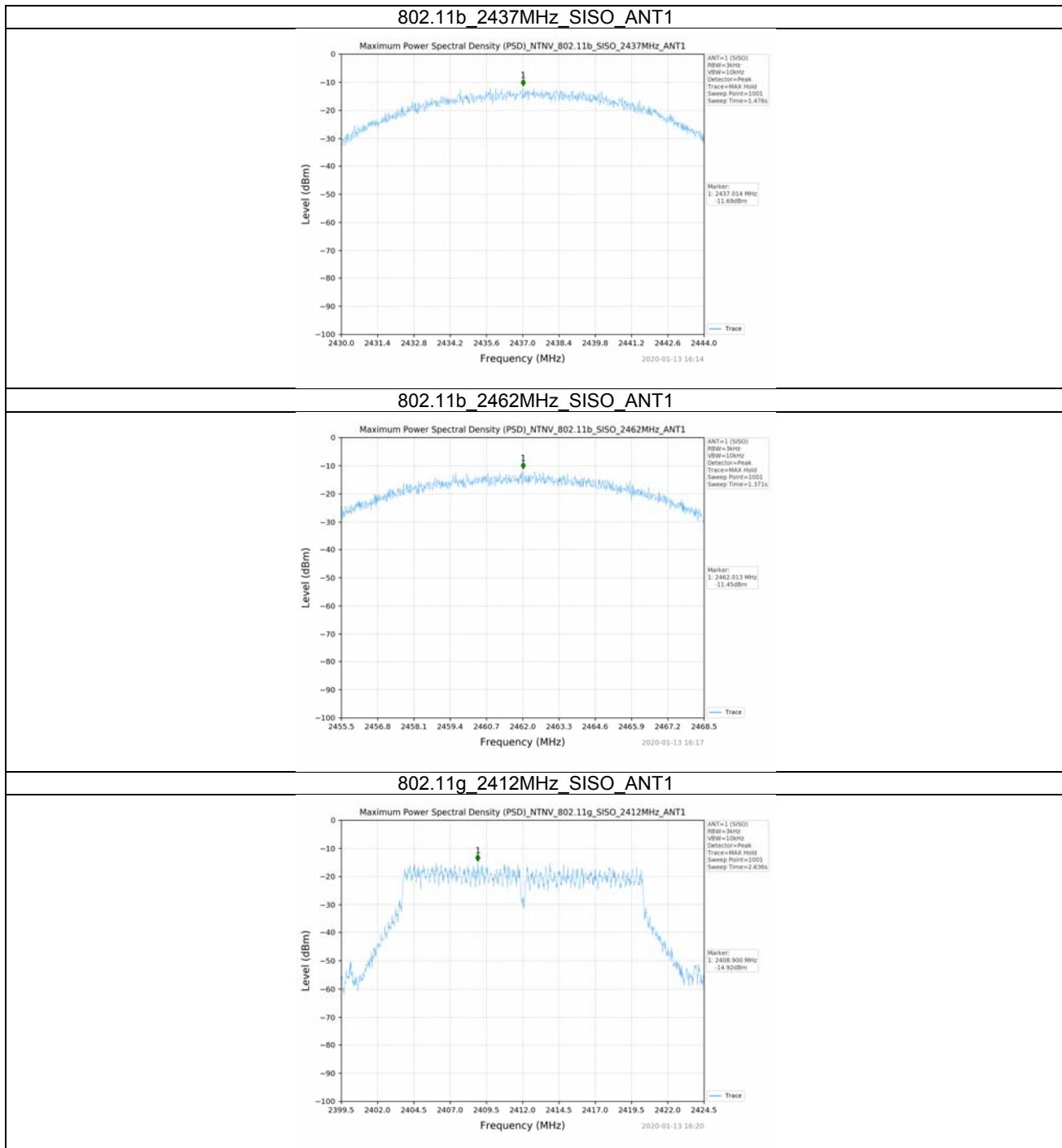
## 4. Maximum Power Spectral Density (PSD)

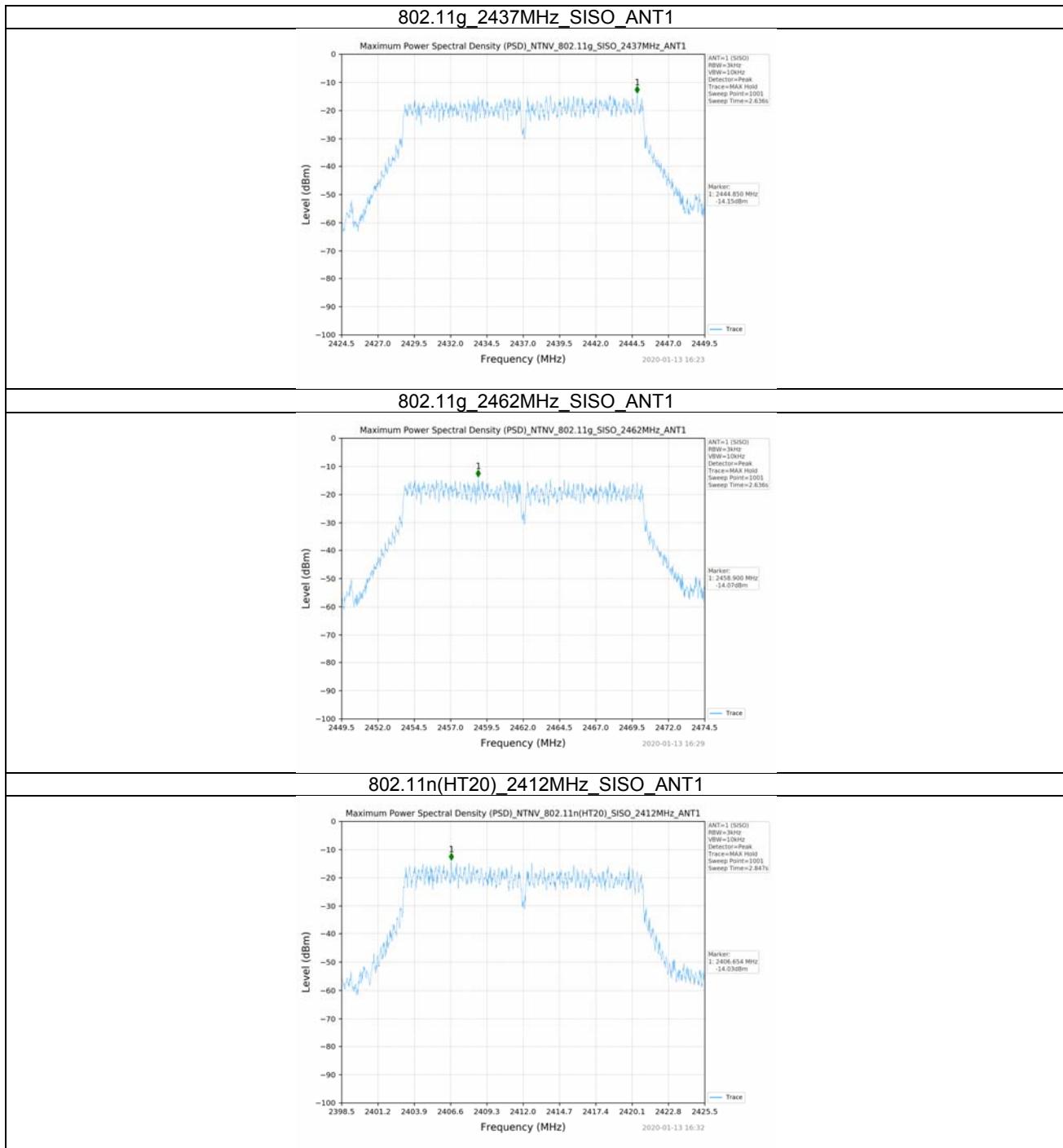
### 4.1 Test Result

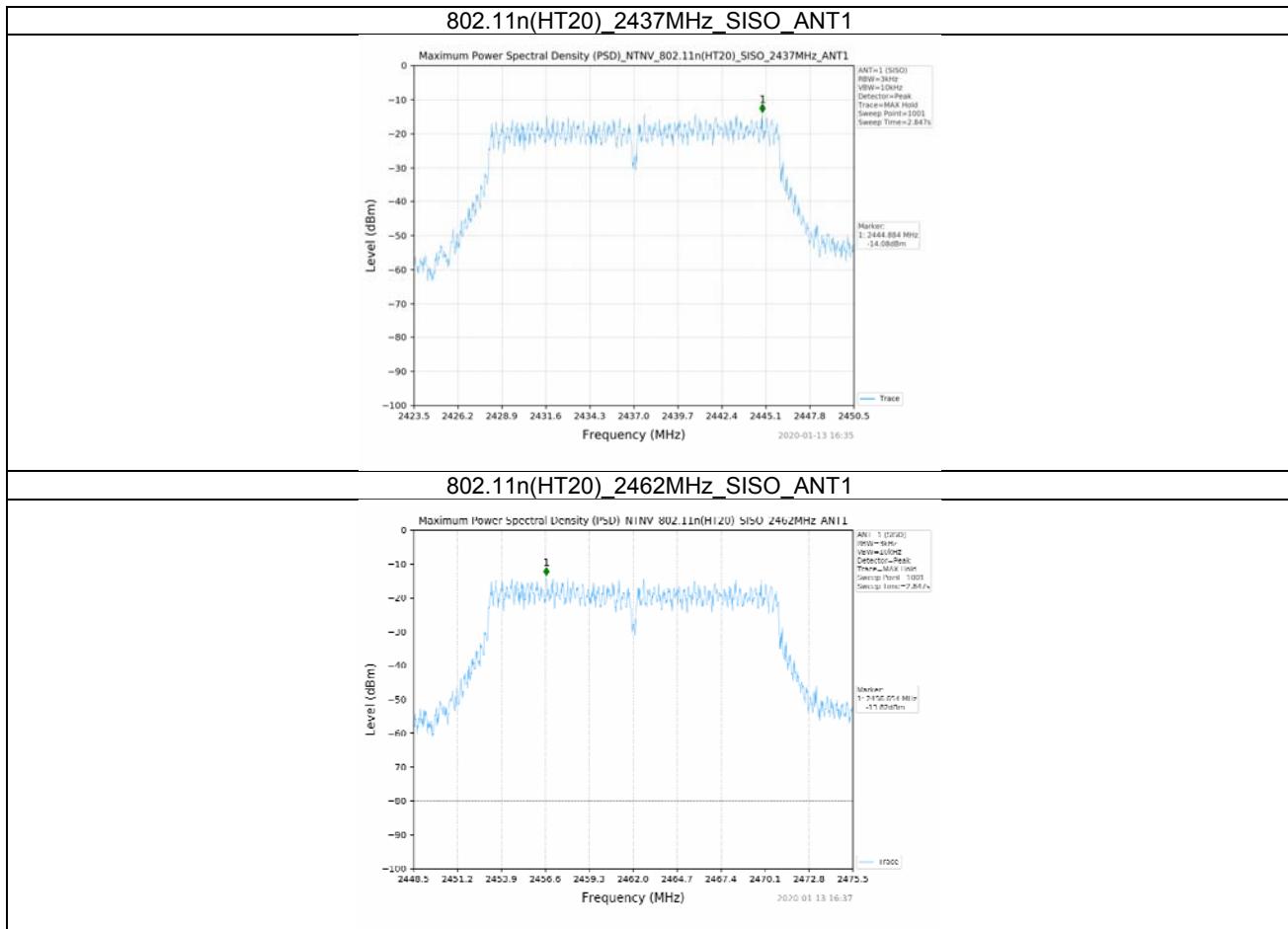
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3kHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-12.08	≤8	PASS
	2437	SISO	-11.69	≤8	PASS
	2462	SISO	-11.45	≤8	PASS
802.11g	2412	SISO	-14.92	≤8	PASS
	2437	SISO	-14.15	≤8	PASS
	2462	SISO	-14.07	≤8	PASS
802.11n(HT20)	2412	SISO	-14.03	≤8	PASS
	2437	SISO	-14.08	≤8	PASS
	2462	SISO	-13.82	≤8	PASS

### 4.2 Test Graph







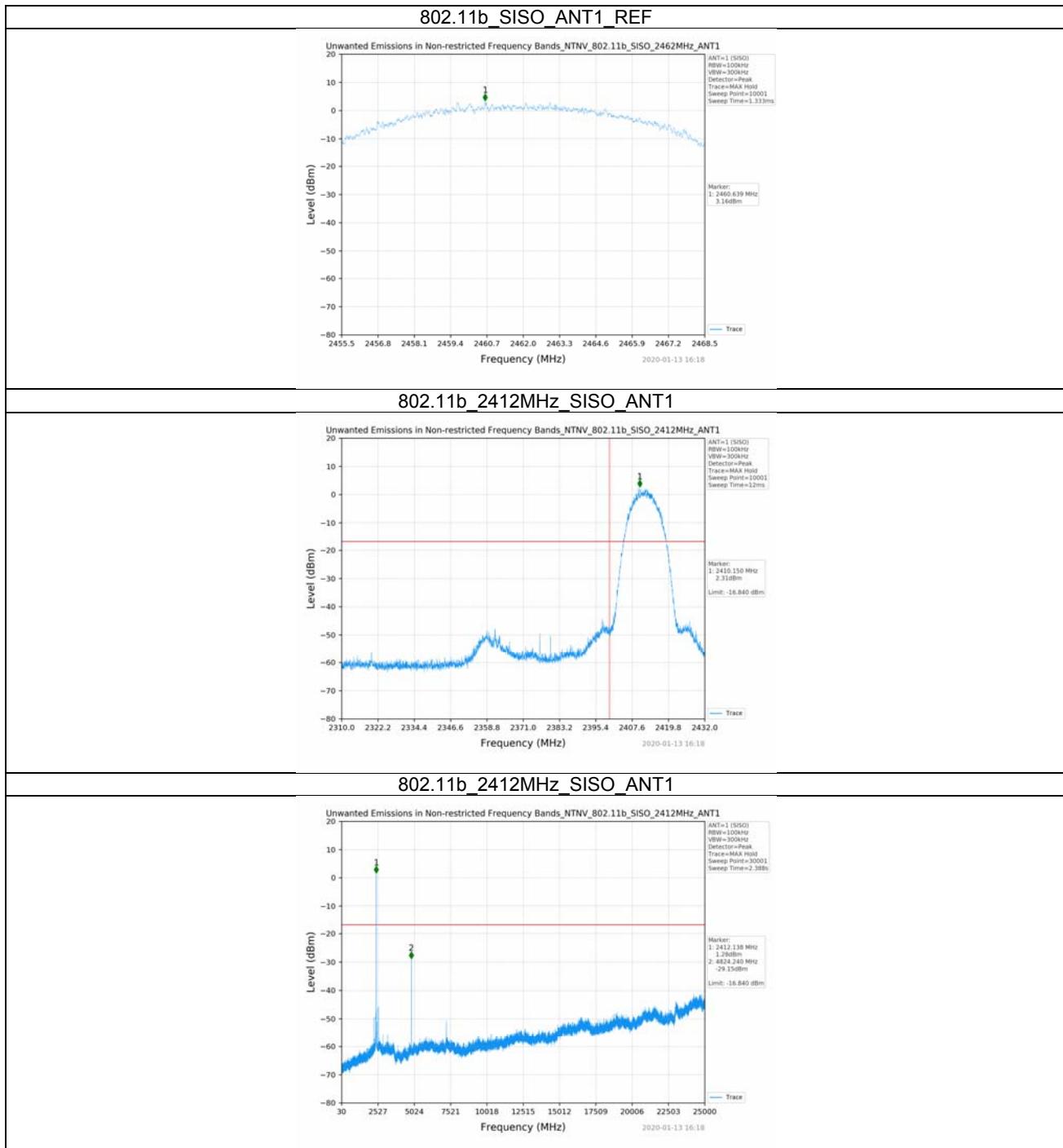


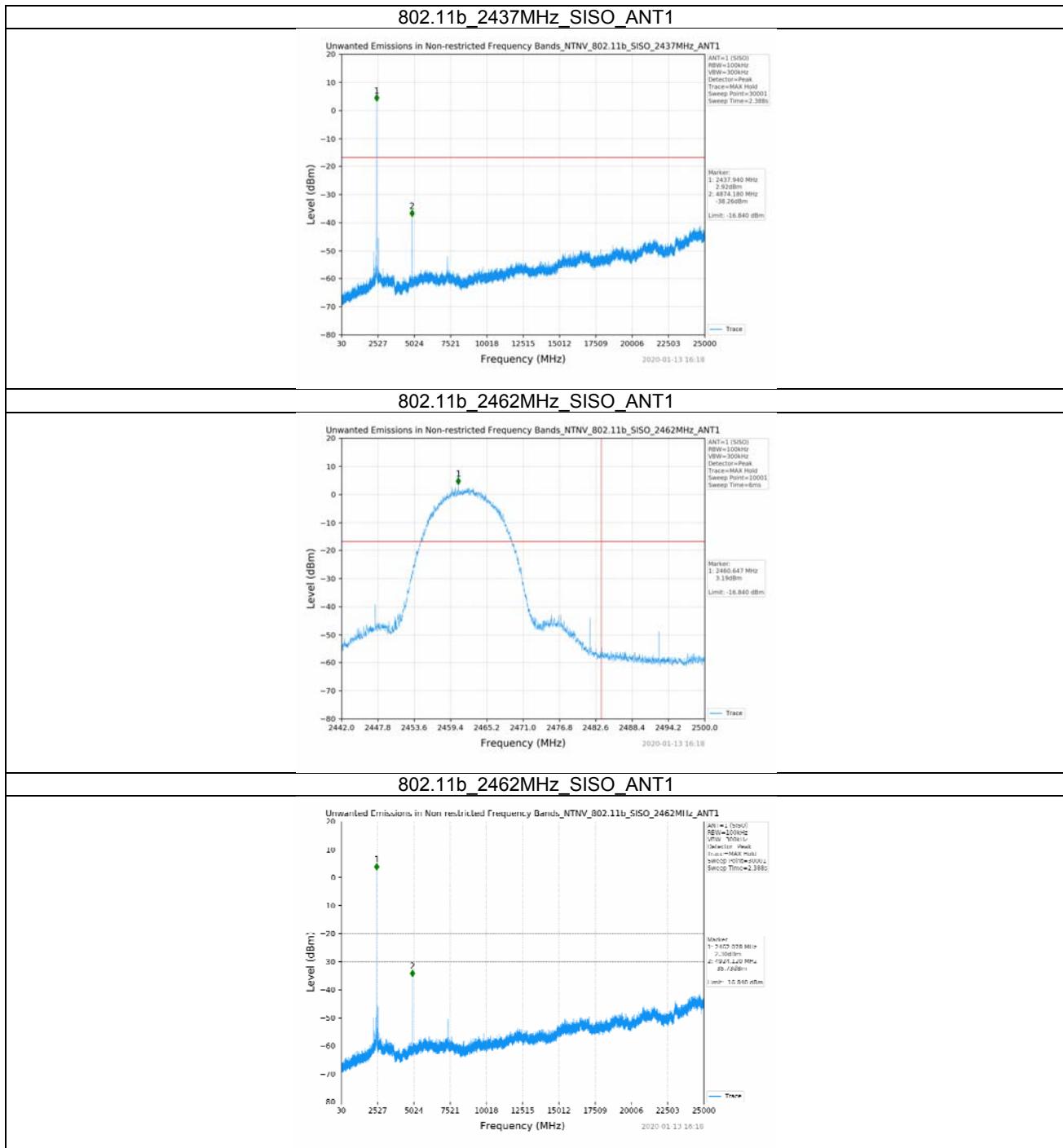
## 5. Unwanted Emissions in Non-restricted Frequency Bands

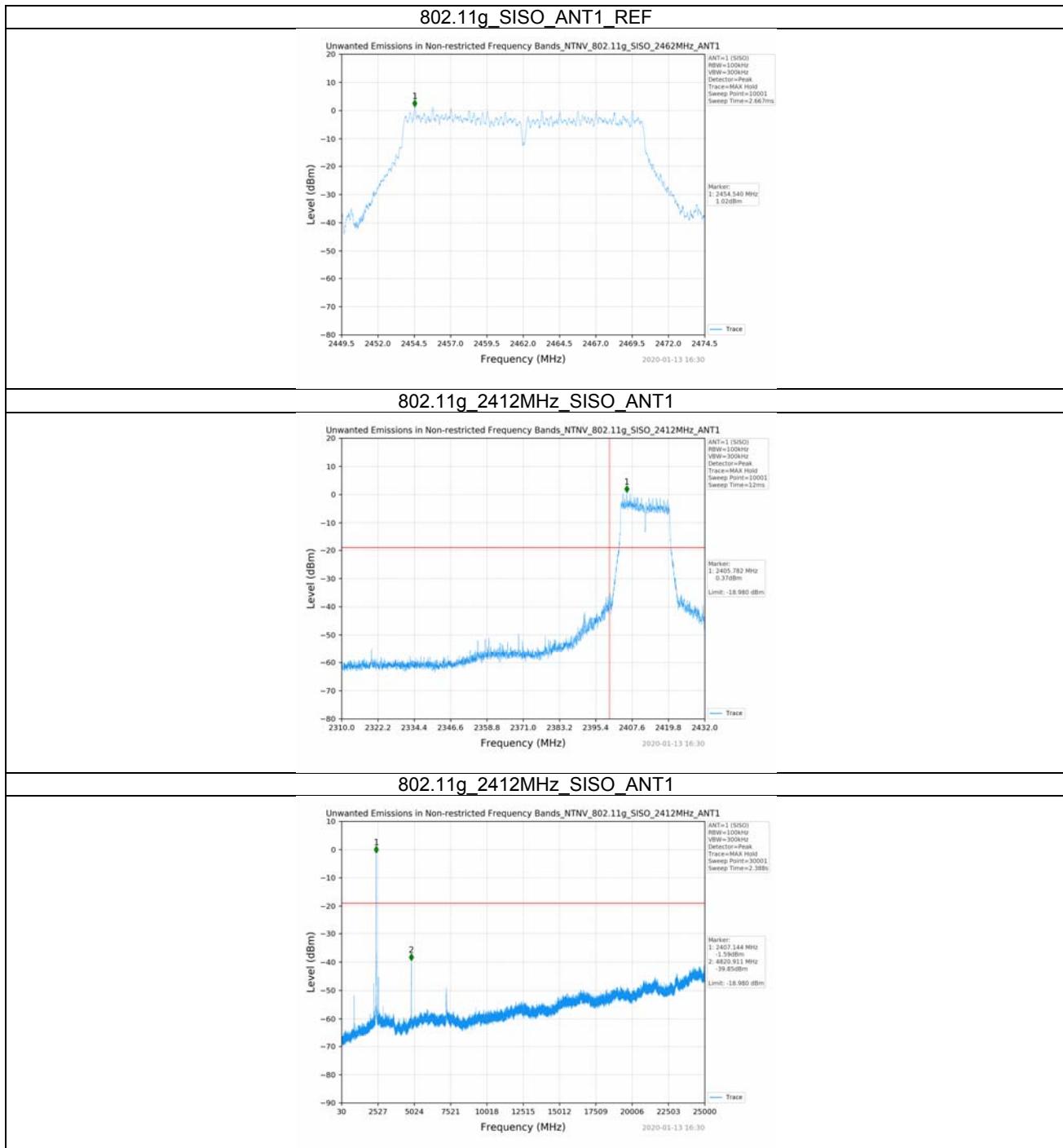
### 5.1 Test Result

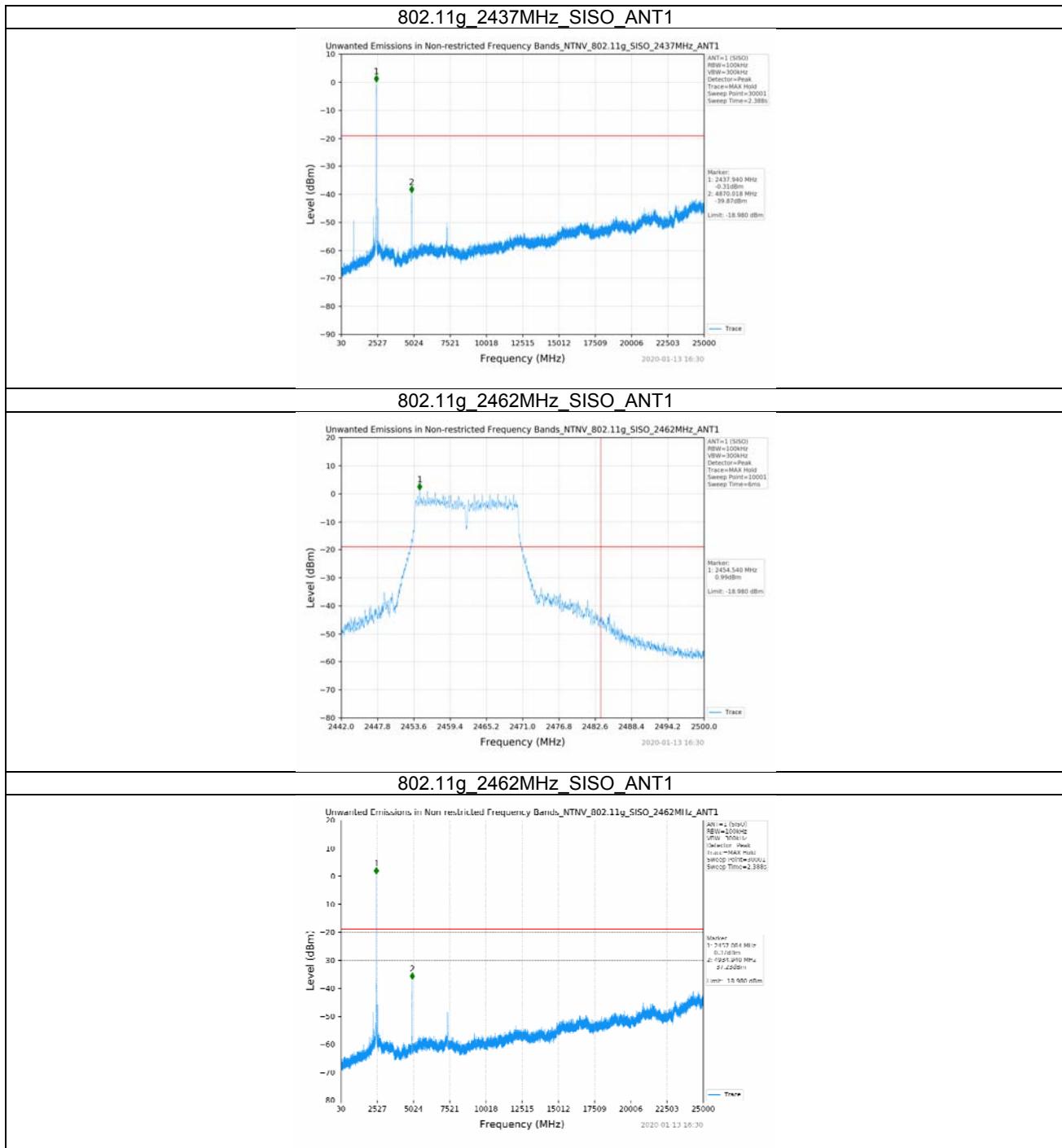
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-16.84	PASS
	2437	SISO	1	Refer to test graph	-16.84	PASS
	2462	SISO	1	Refer to test graph	-16.84	PASS
802.11g	2412	SISO	1	Refer to test graph	-18.98	PASS
	2437	SISO	1	Refer to test graph	-18.98	PASS
	2462	SISO	1	Refer to test graph	-18.98	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-18.93	PASS
	2437	SISO	1	Refer to test graph	-18.93	PASS
	2462	SISO	1	Refer to test graph	-18.93	PASS

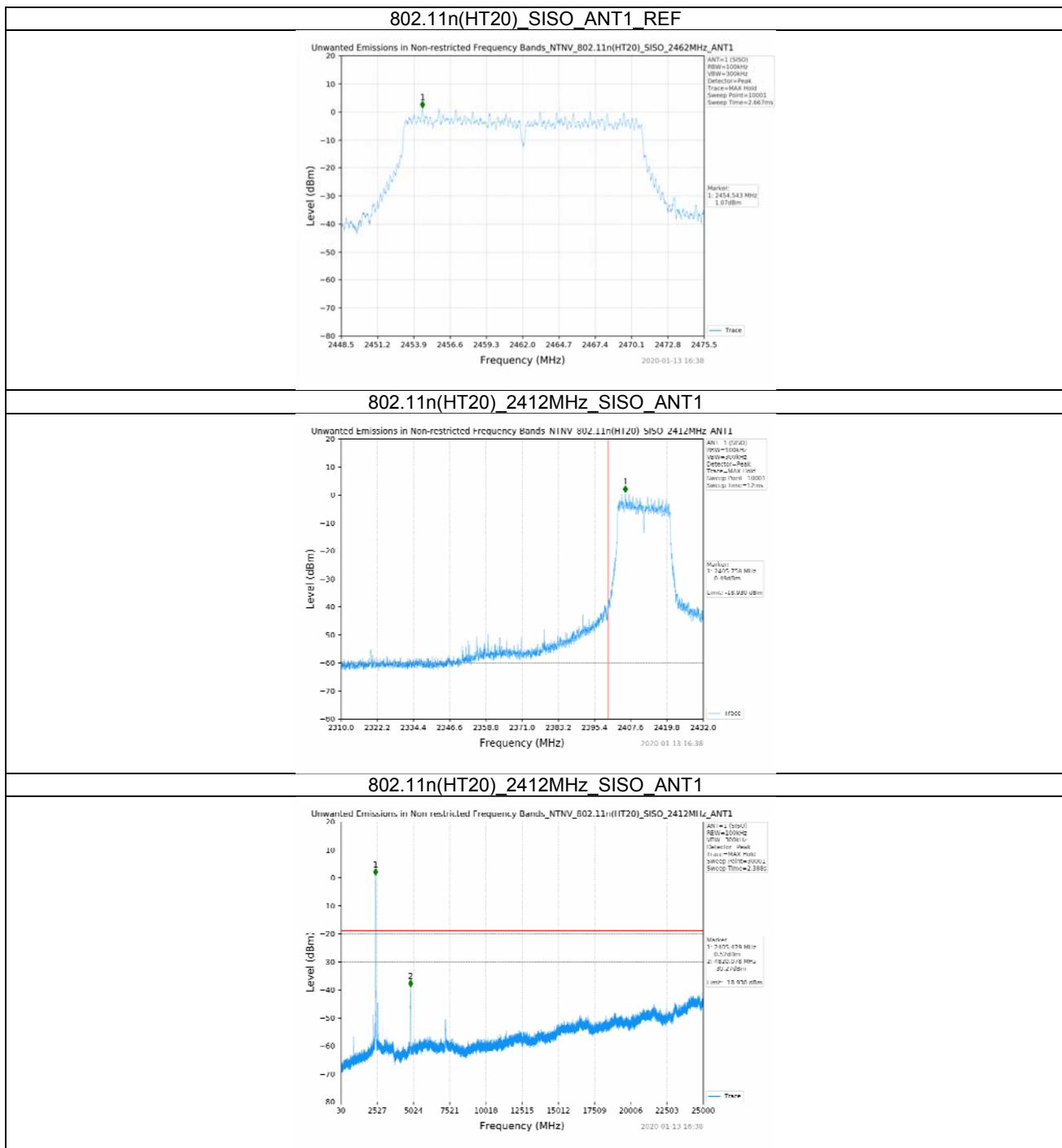
### 5.2 Test Graph



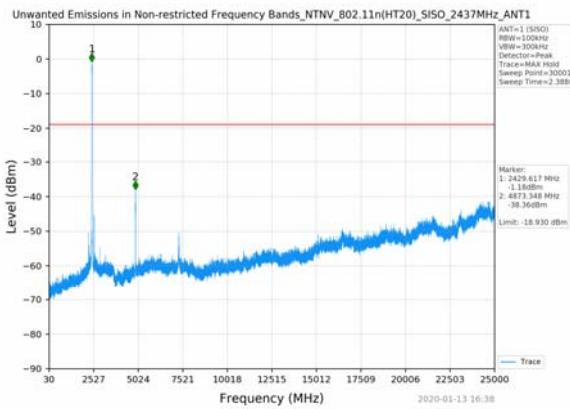




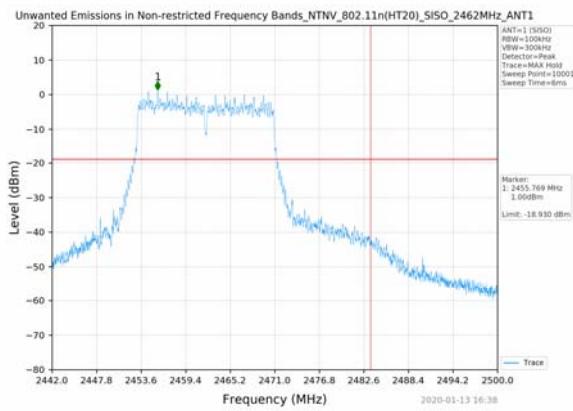




### 802.11n(HT20)\_2437MHz\_SISO\_ANT1



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



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

