

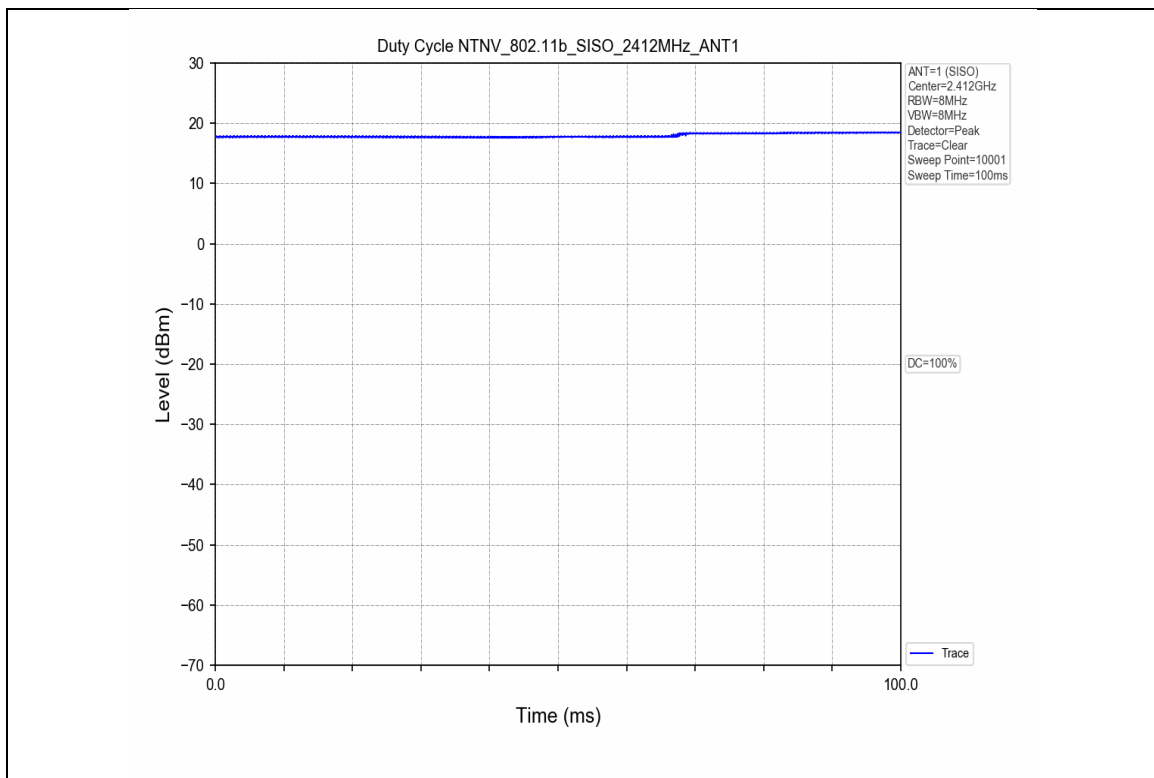
### Appendix A for SHEM210300180601

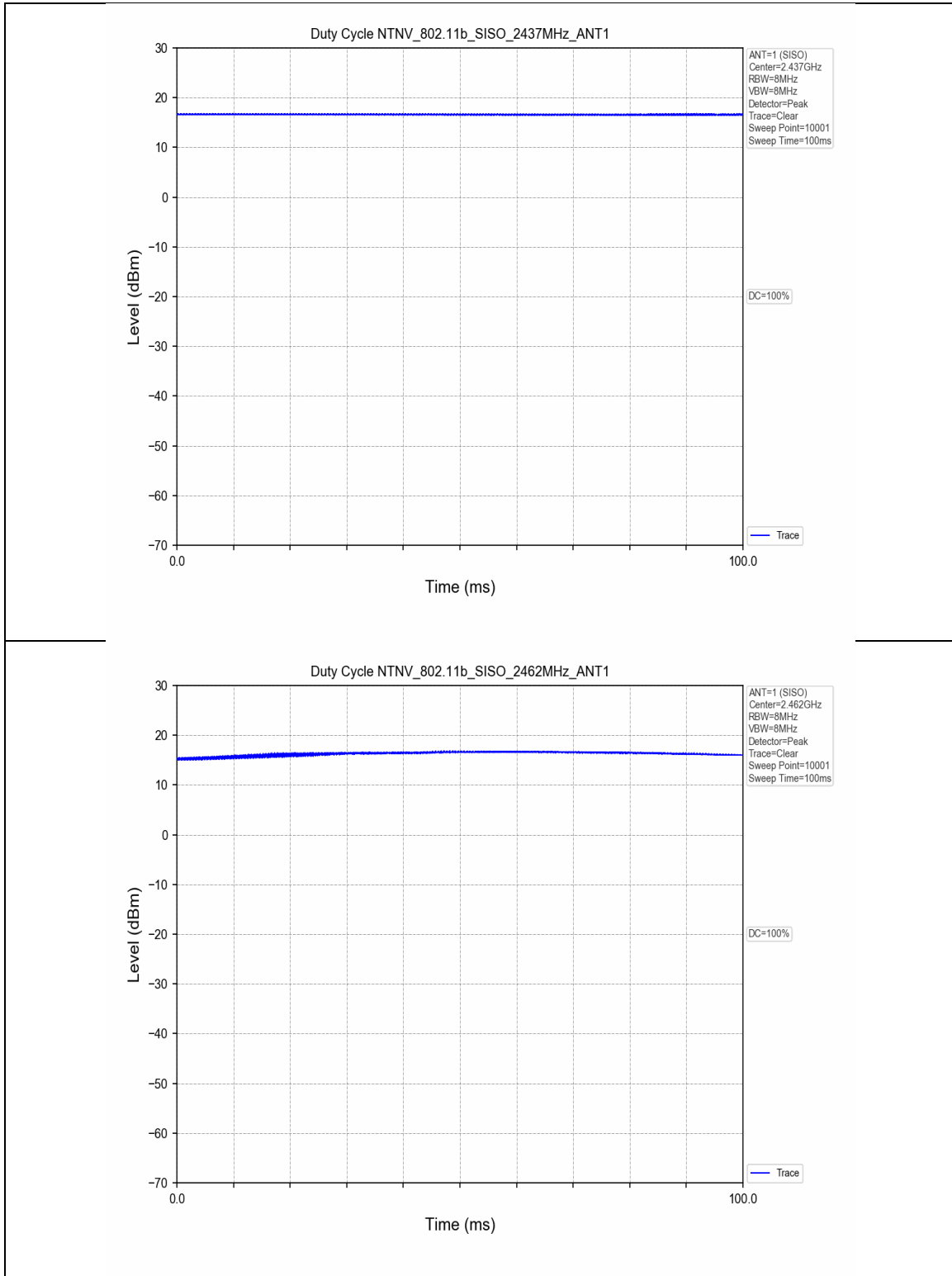
## 1. Duty Cycle

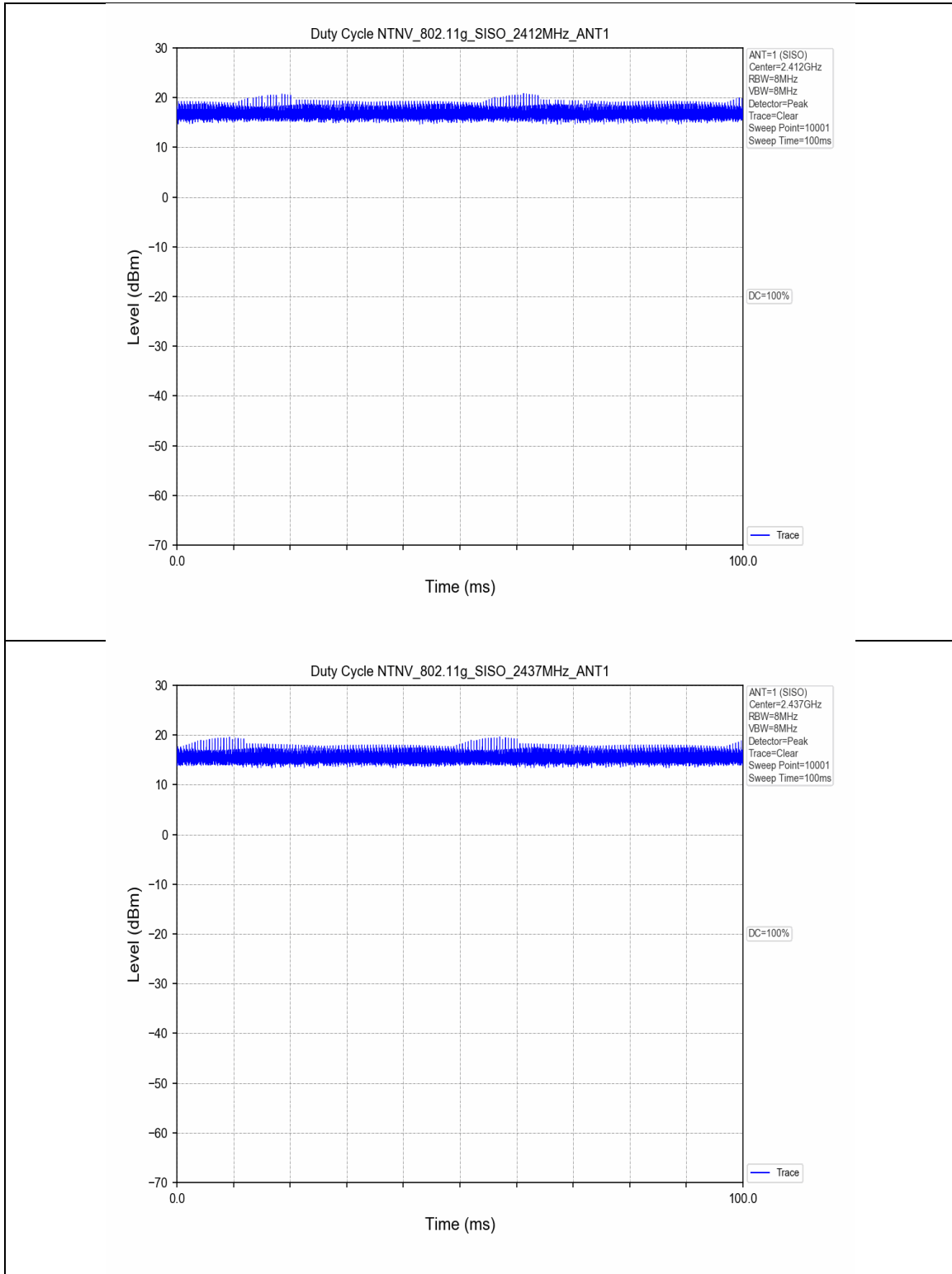
### 1.1 Test Result

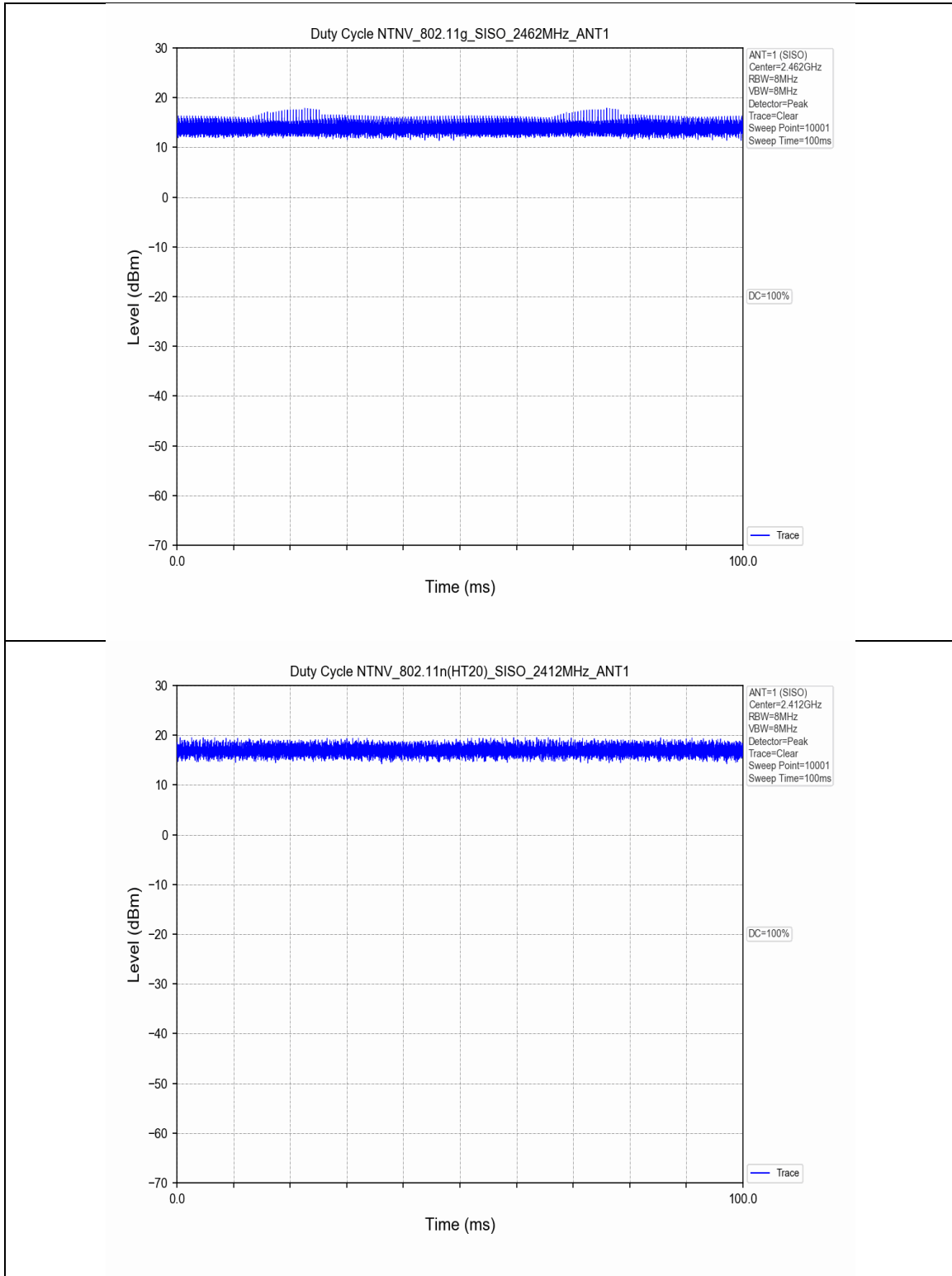
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	100.000	100.000	100.00	0.00
	2437	SISO	1	100.000	100.000	100.00	0.00
	2462	SISO	1	100.000	100.000	100.00	0.00
802.11g	2412	SISO	1	100.000	100.000	100.00	0.00
	2437	SISO	1	100.000	100.000	100.00	0.00
	2462	SISO	1	100.000	100.000	100.00	0.00
802.11n(HT20)	2412	SISO	1	100.000	100.000	100.00	0.00
	2437	SISO	1	100.000	100.000	100.00	0.00
	2462	SISO	1	100.000	100.000	100.00	0.00
802.11n(HT40)	2422	SISO	1	100.000	100.000	100.00	0.00
	2437	SISO	1	100.000	100.000	100.00	0.00
	2452	SISO	1	100.000	100.000	100.00	0.00

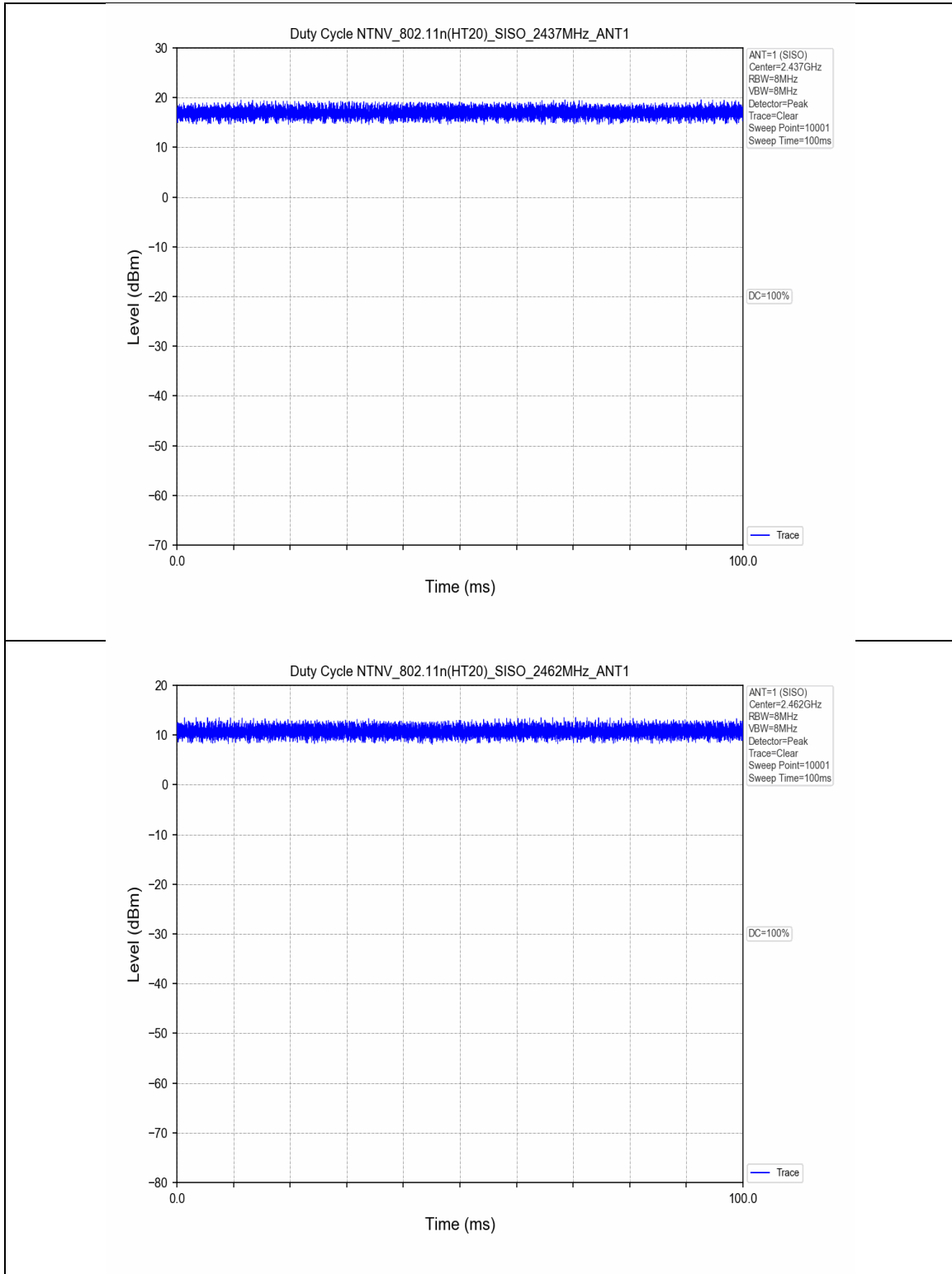
### 1.2 Test Graph

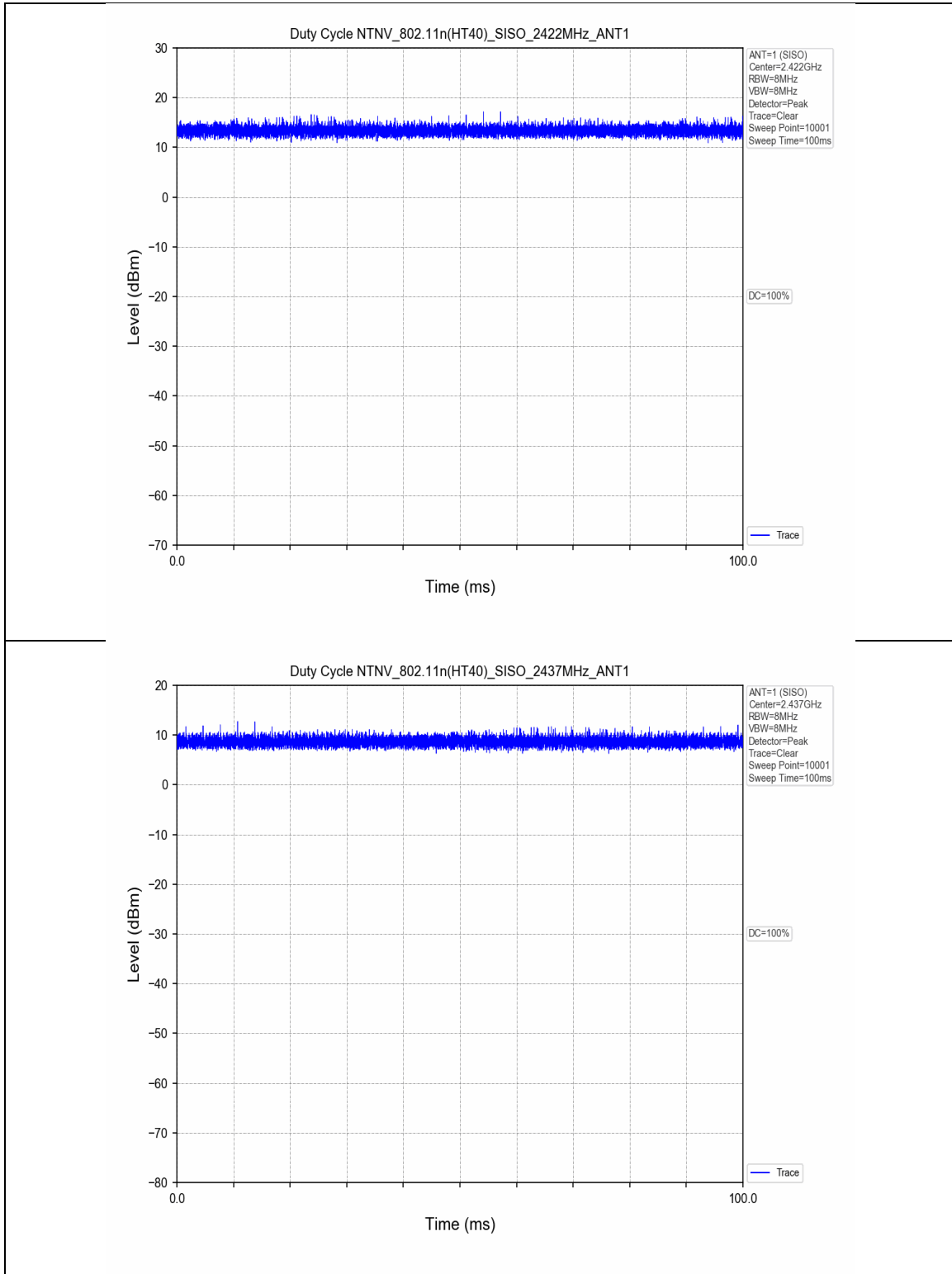


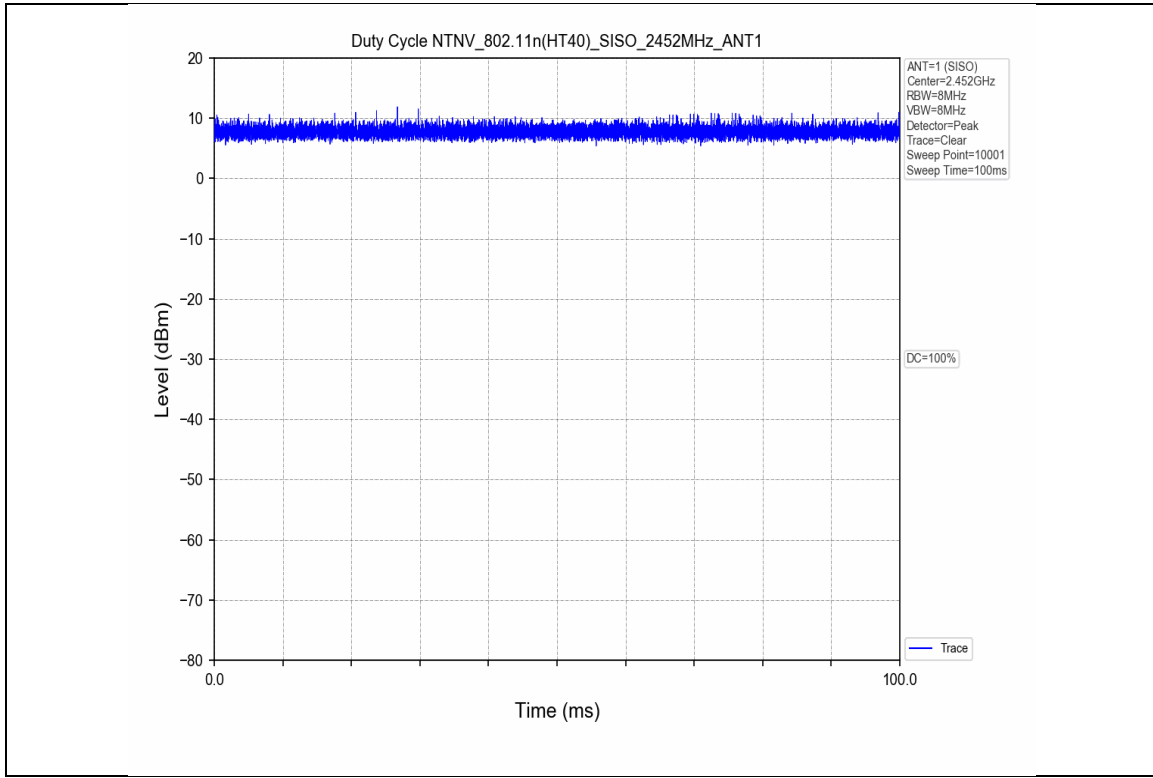












## 2. Bandwidth

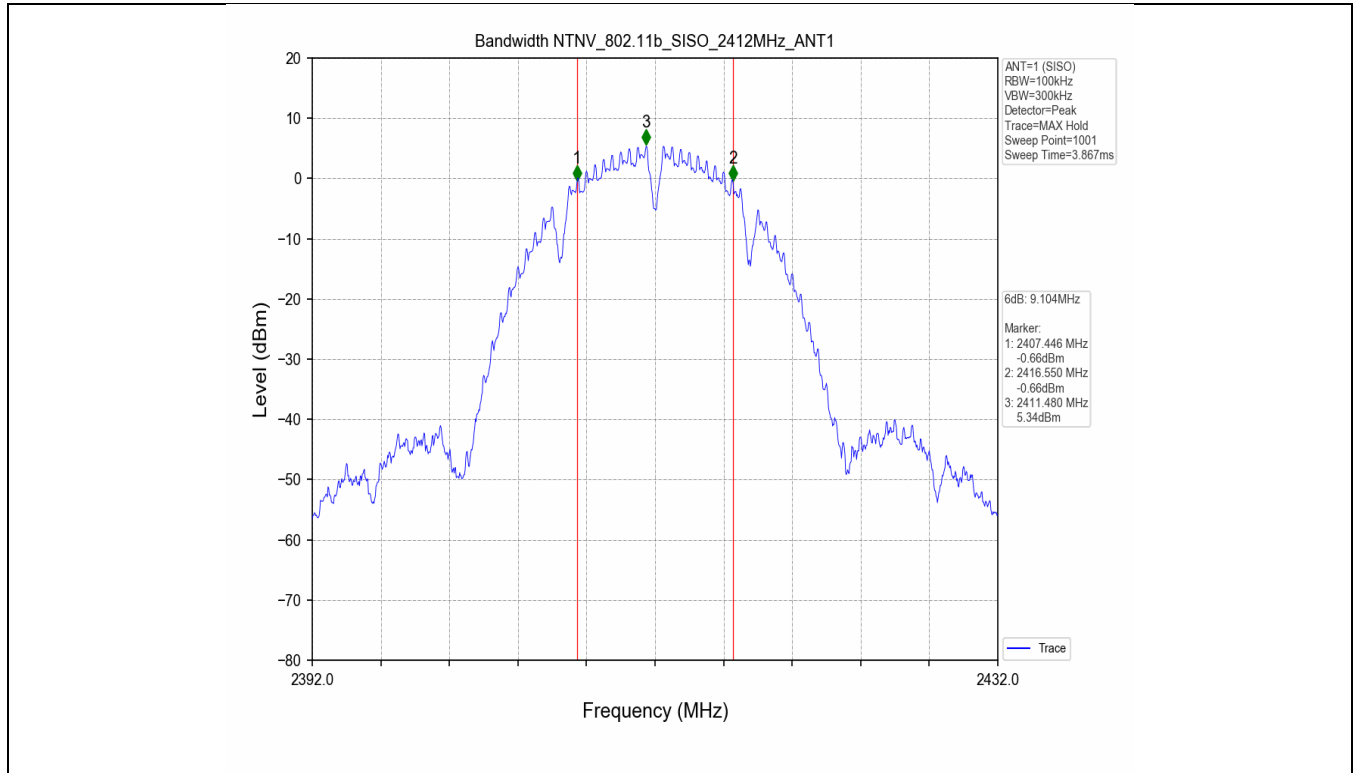
### 2.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth	Verdict
				Test Result (MHz)	
802.11b	2412	SISO	1	9.104	PASS
	2437	SISO	1	9.096	PASS
	2462	SISO	1	9.098	PASS
802.11g	2412	SISO	1	16.594	PASS
	2437	SISO	1	16.594	PASS
	2462	SISO	1	16.596	PASS
802.11n(HT20)	2412	SISO	1	17.781	PASS
	2437	SISO	1	17.768	PASS
	2462	SISO	1	17.775	PASS
802.11n(HT40)	2422	SISO	1	36.503	PASS
	2437	SISO	1	36.502	PASS
	2452	SISO	1	36.480	PASS

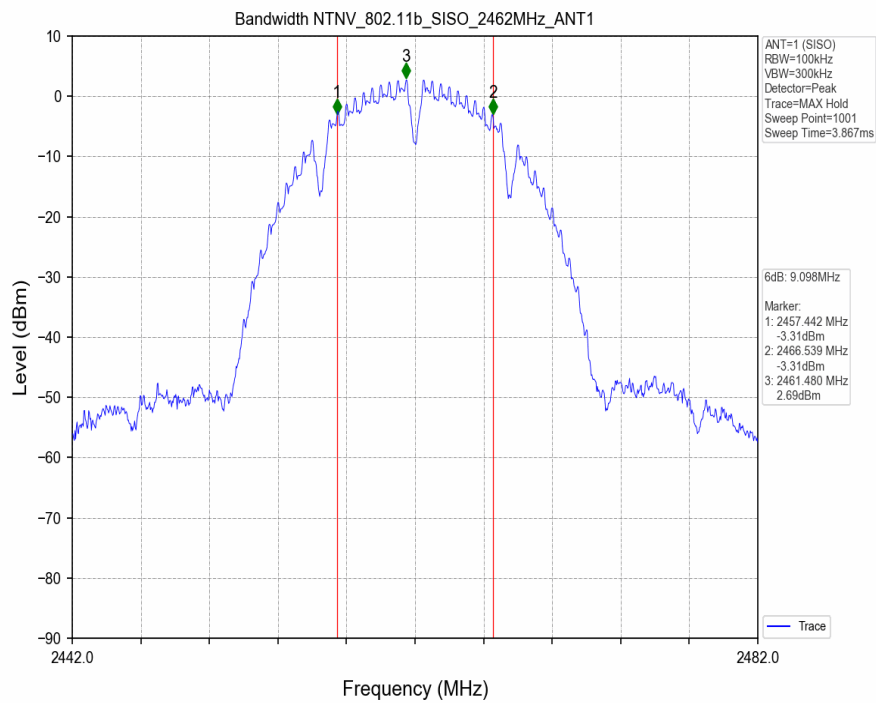
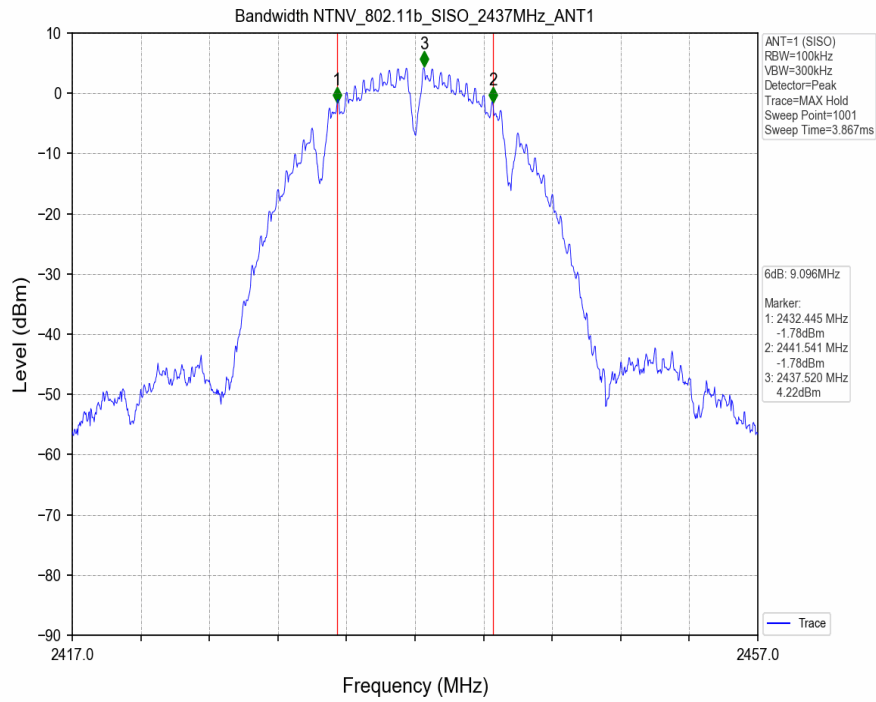
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	13.586	Only for Report Use
	2437	SISO	1	13.572	Only for Report Use
	2462	SISO	1	13.515	Only for Report Use
802.11g	2412	SISO	1	16.889	Only for Report Use
	2437	SISO	1	16.874	Only for Report Use
	2462	SISO	1	16.864	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.930	Only for Report Use

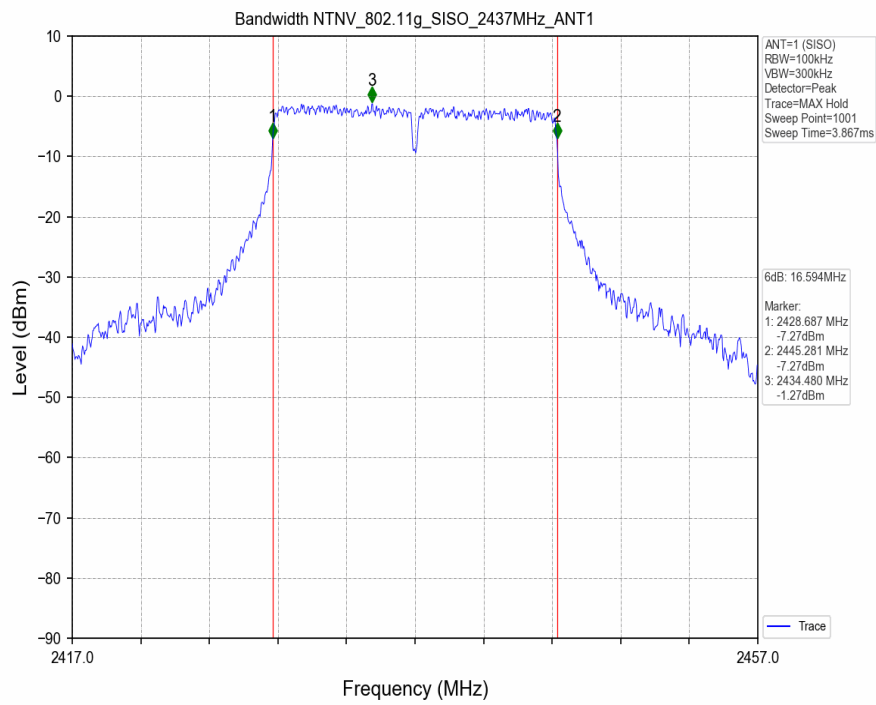
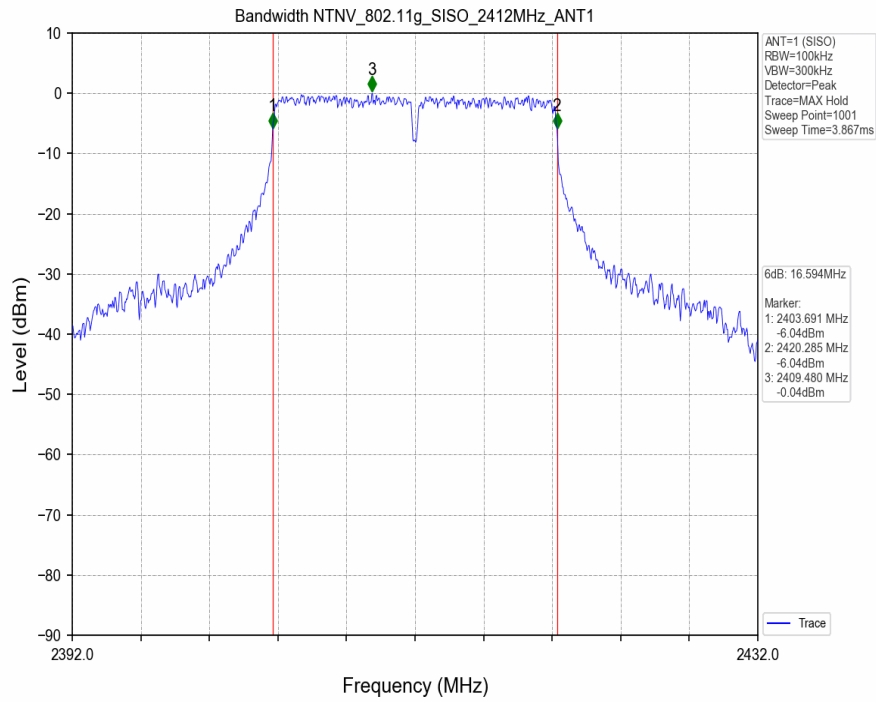
802.11n(HT40)	2437	SISO	1	17.976	Only for Report Use
	2462	SISO	1	17.830	Only for Report Use
	2422	SISO	1	36.930	Only for Report Use
	2437	SISO	1	36.747	Only for Report Use
	2452	SISO	1	36.758	Only for Report Use

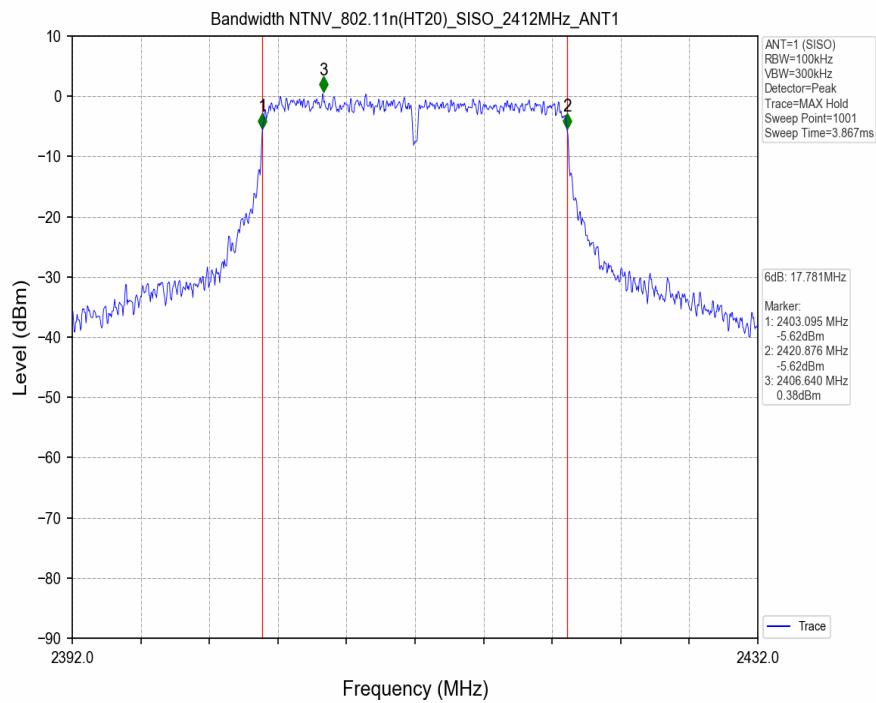
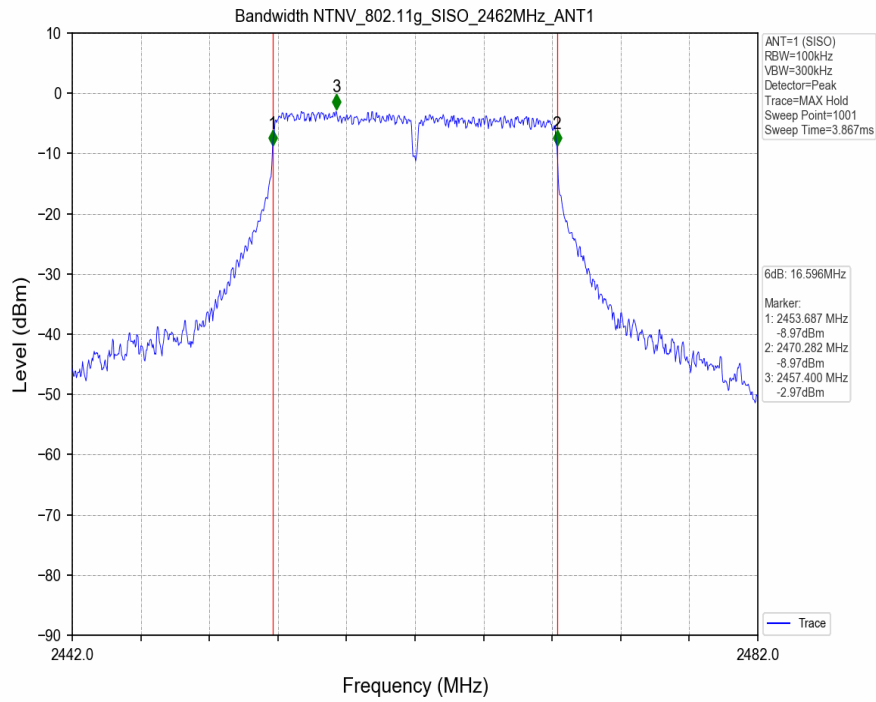
## 2.2 Test Graph - 6dB Bandwidth

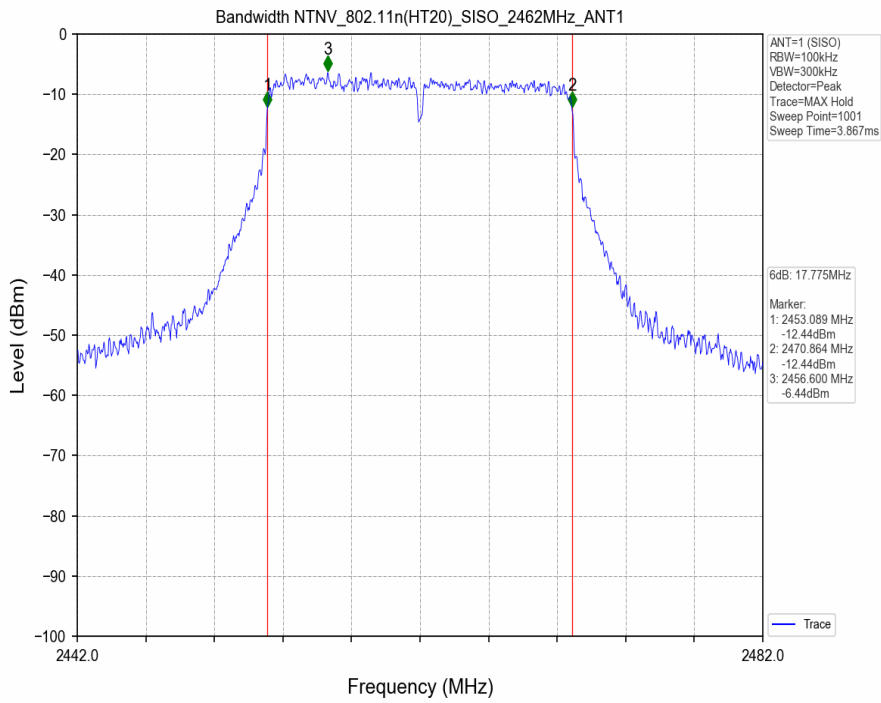
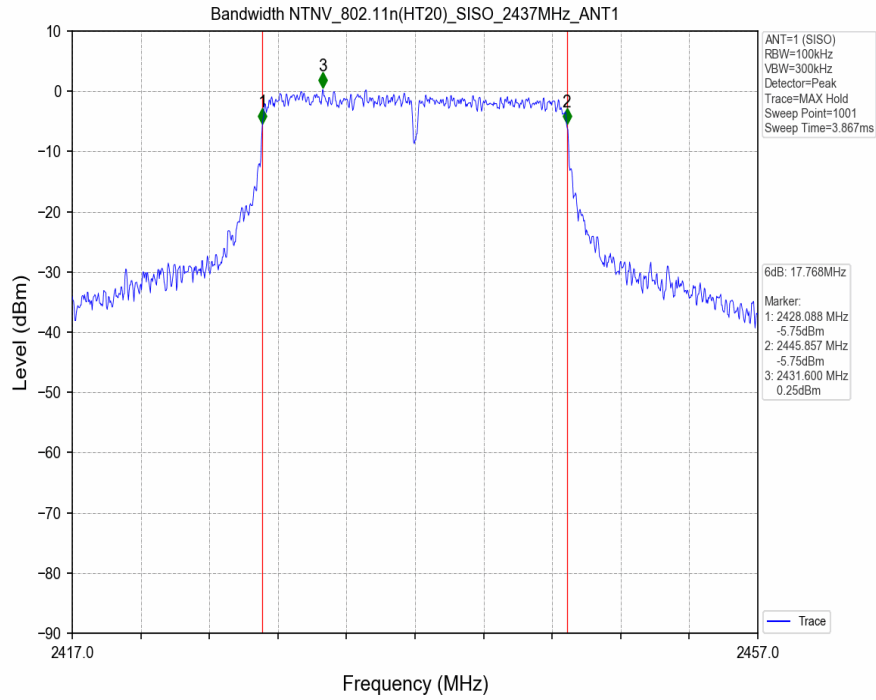


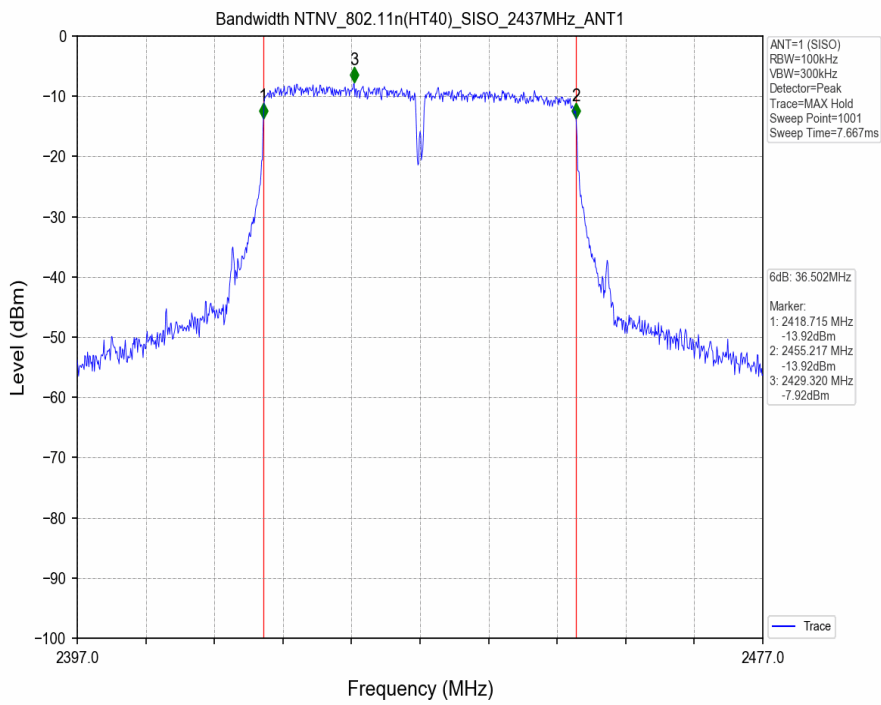
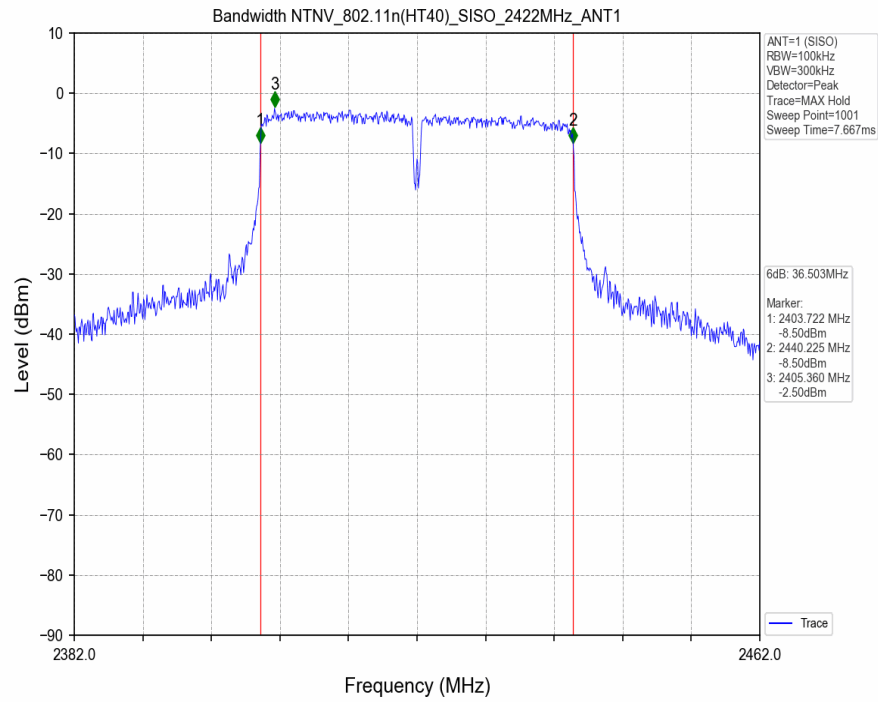


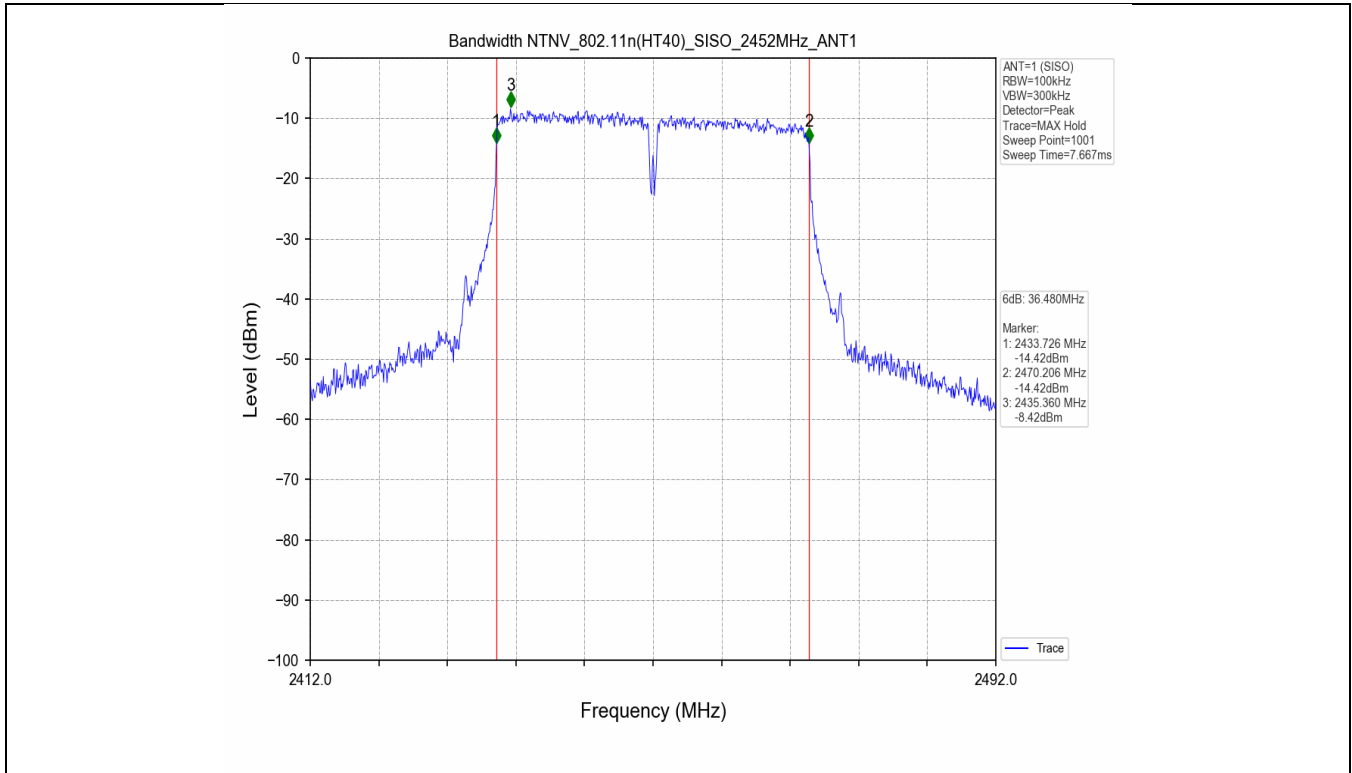




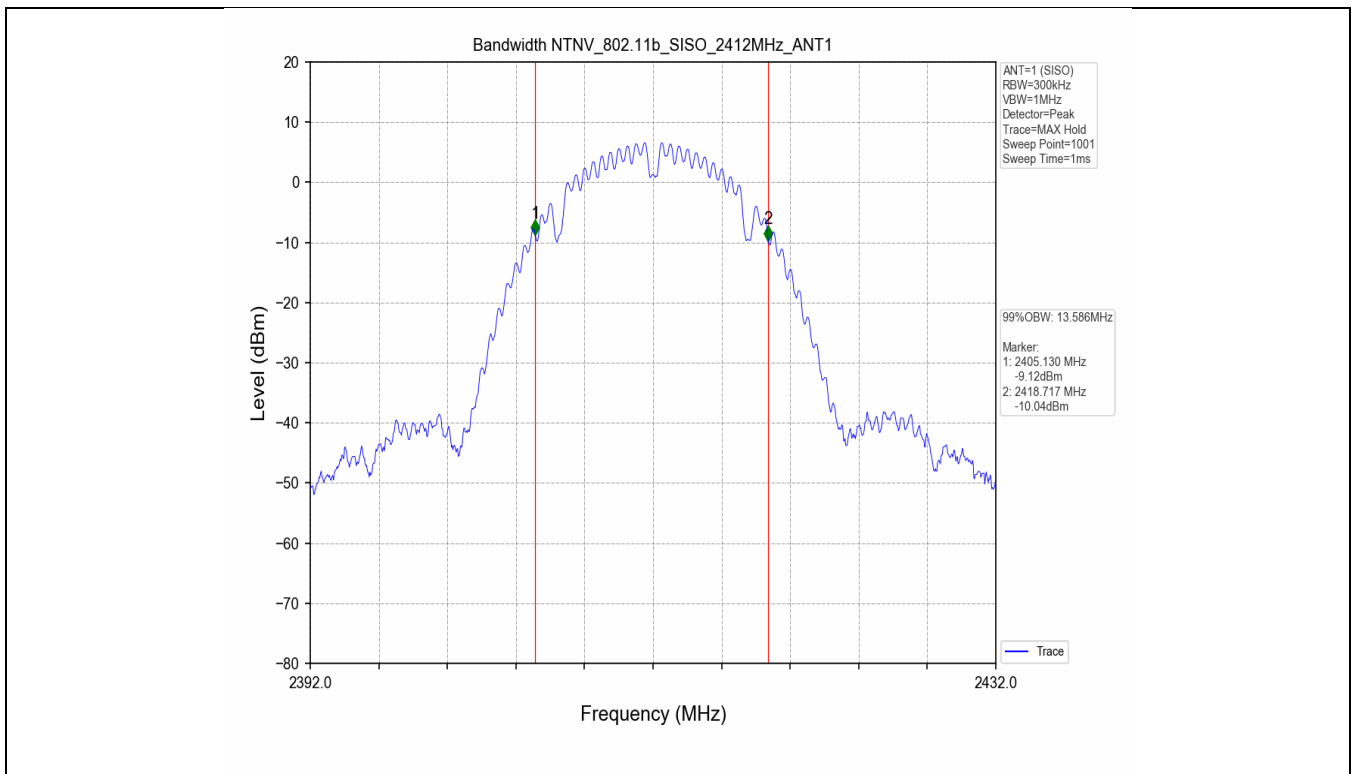


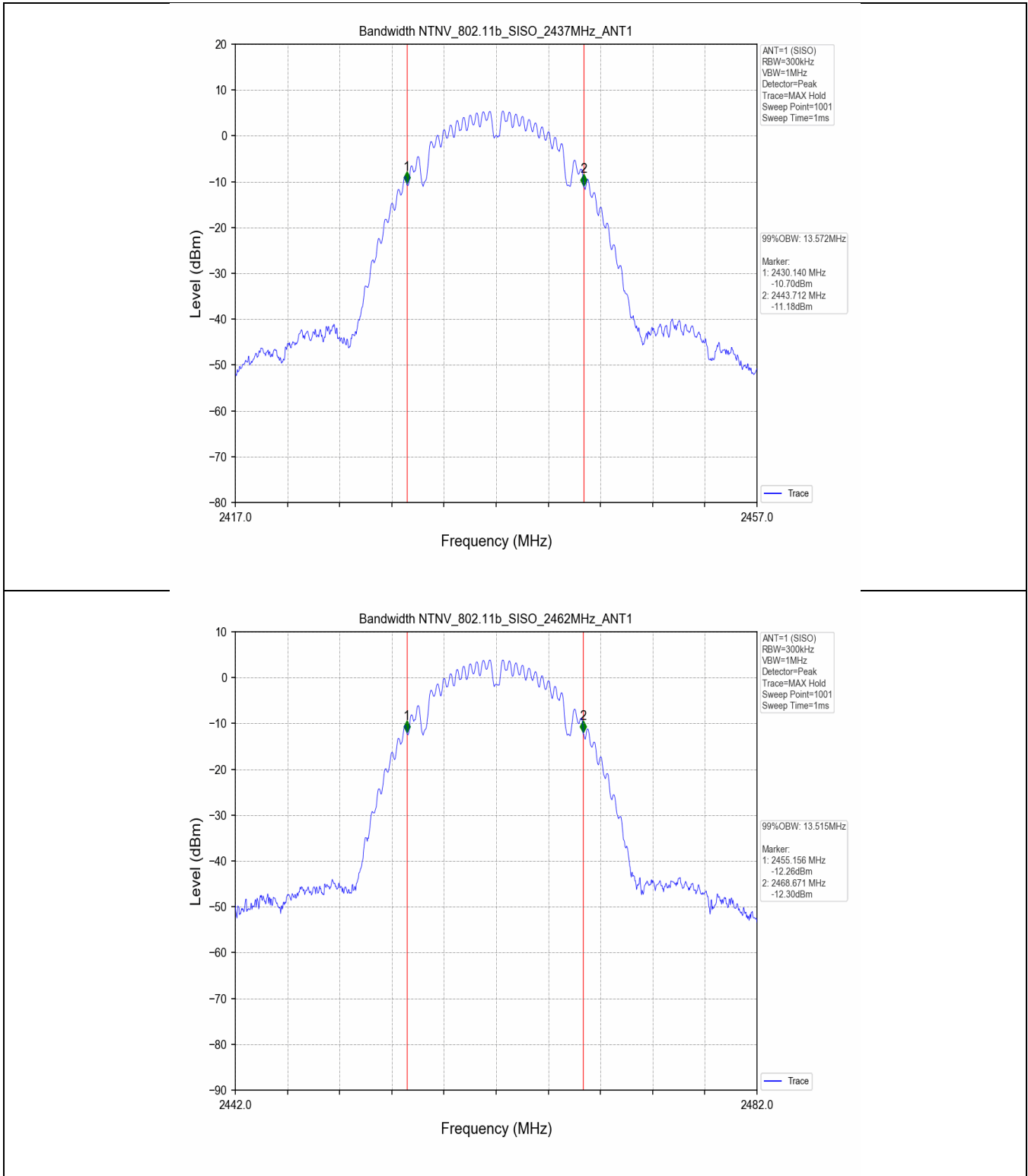


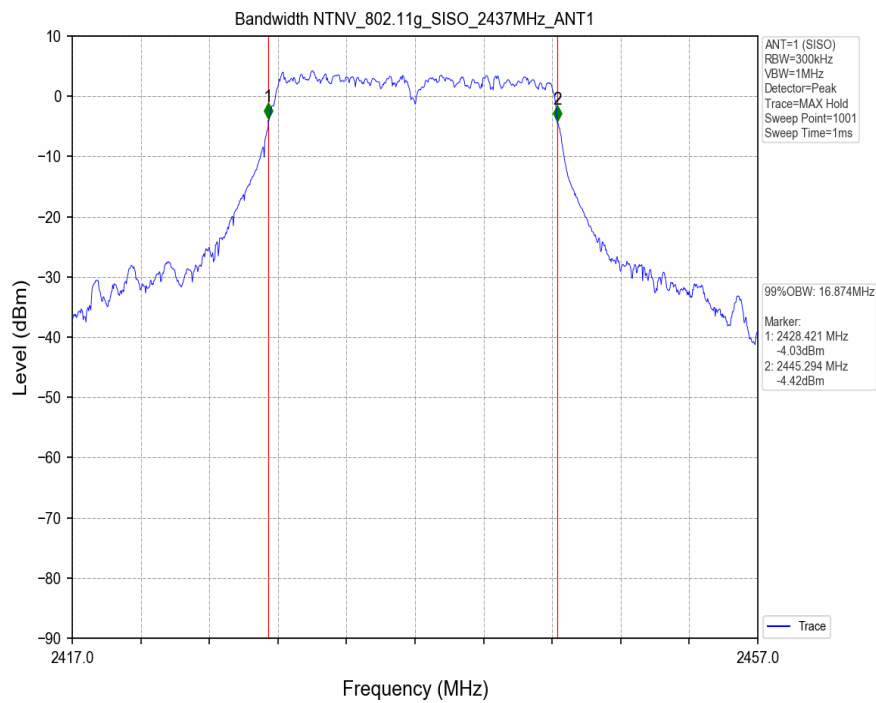
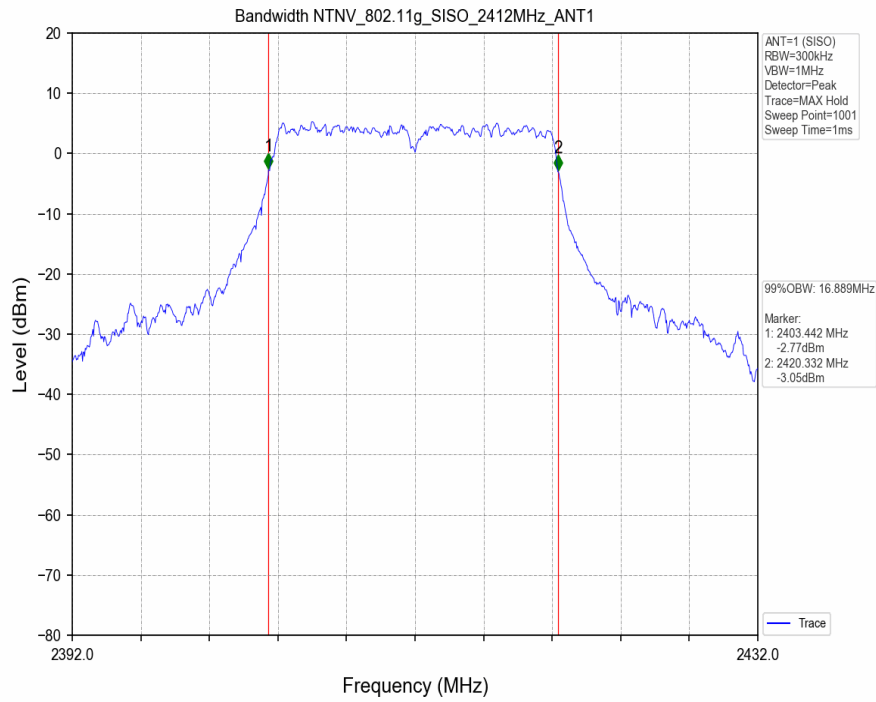




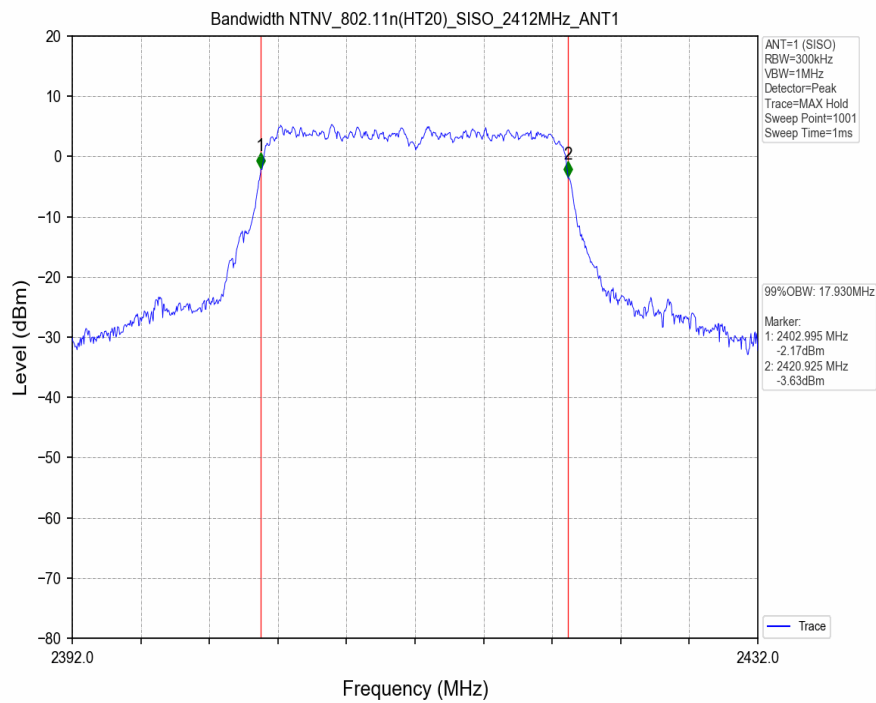
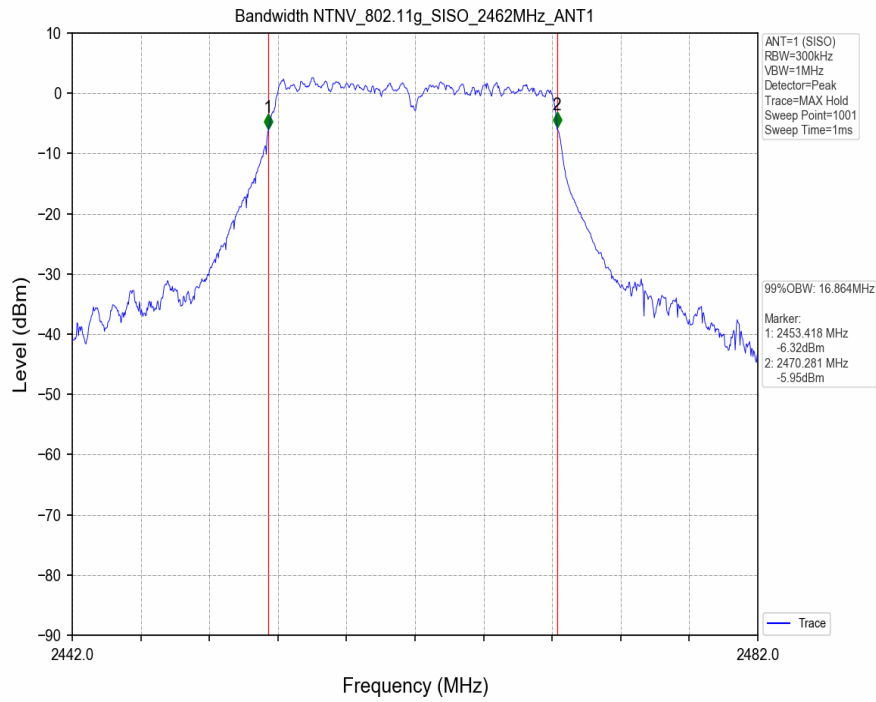
2.3 Test Graph - 99% Occupied Bandwidth

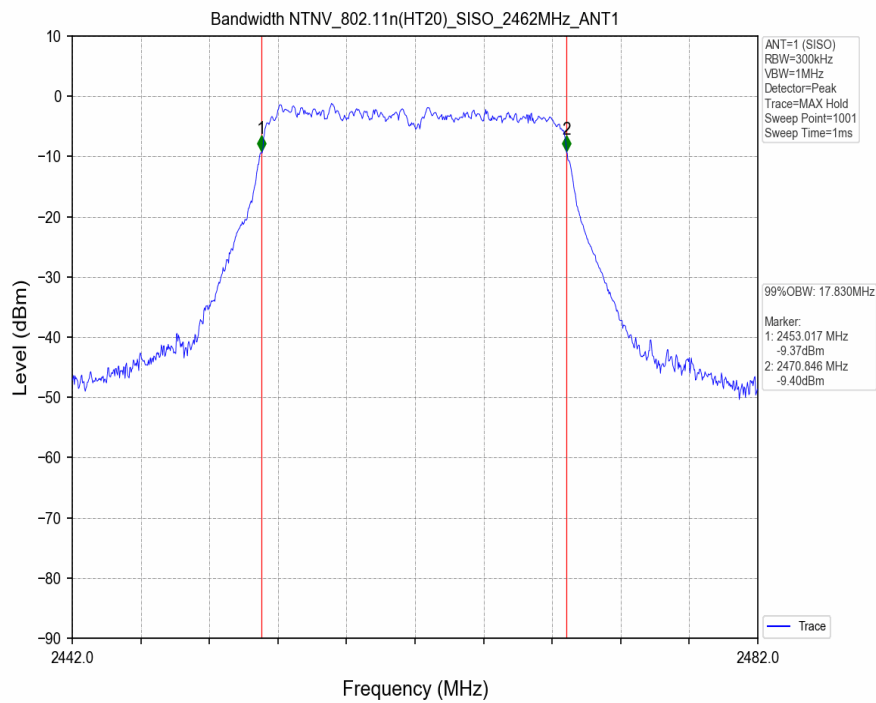
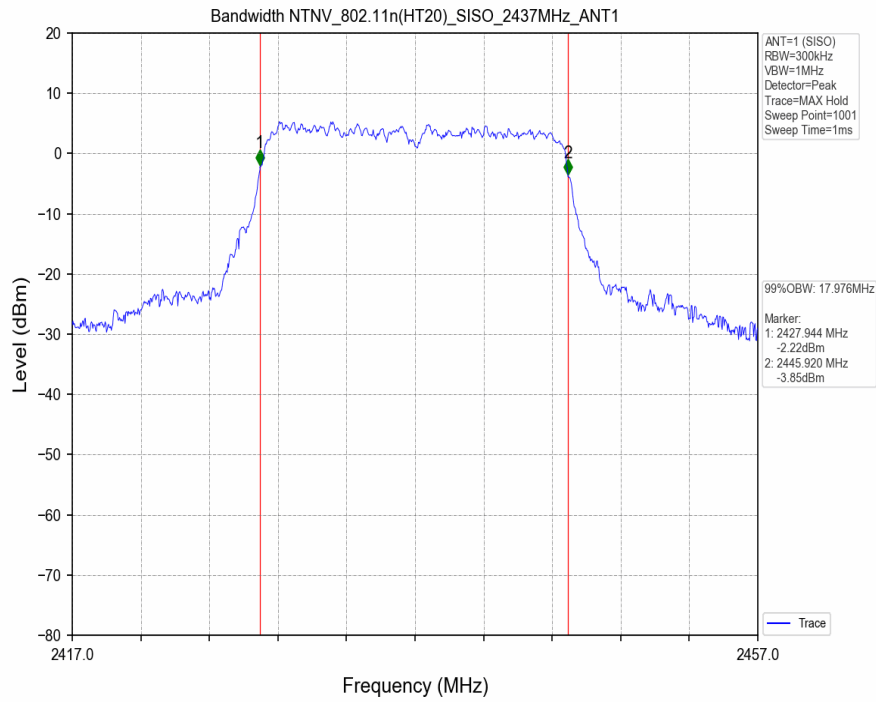


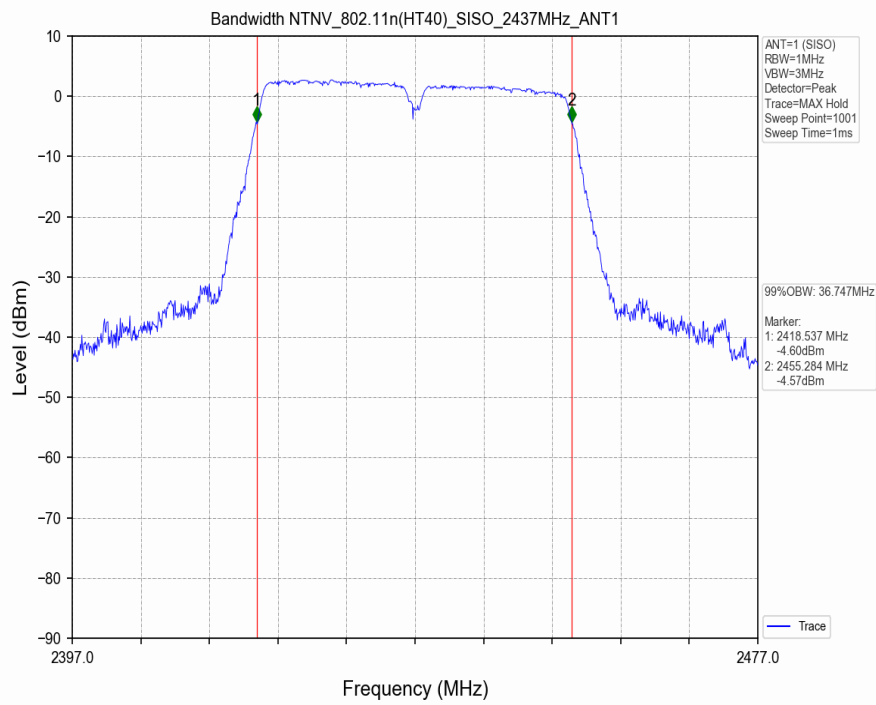
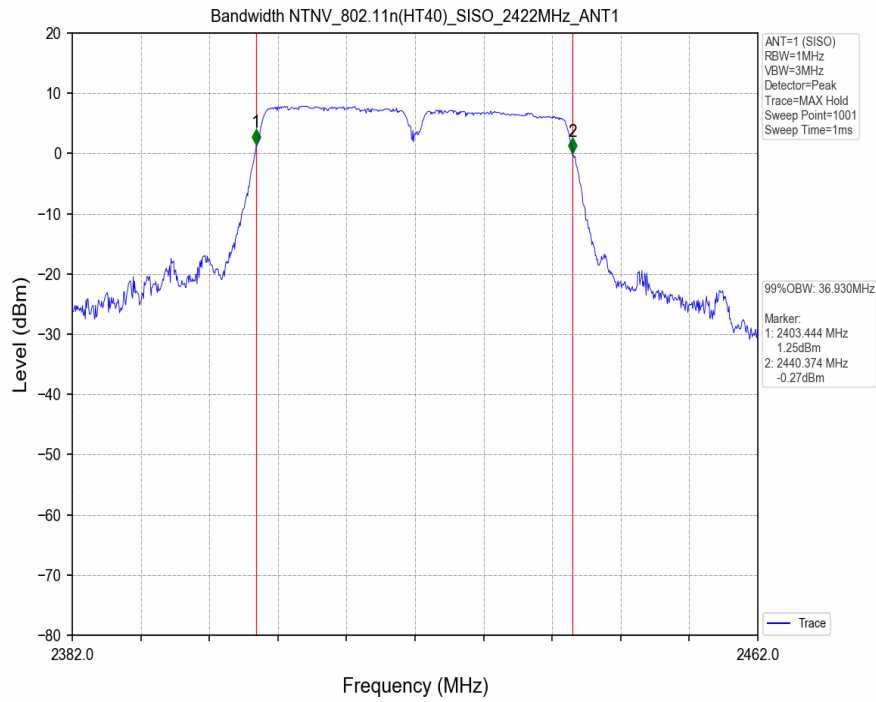


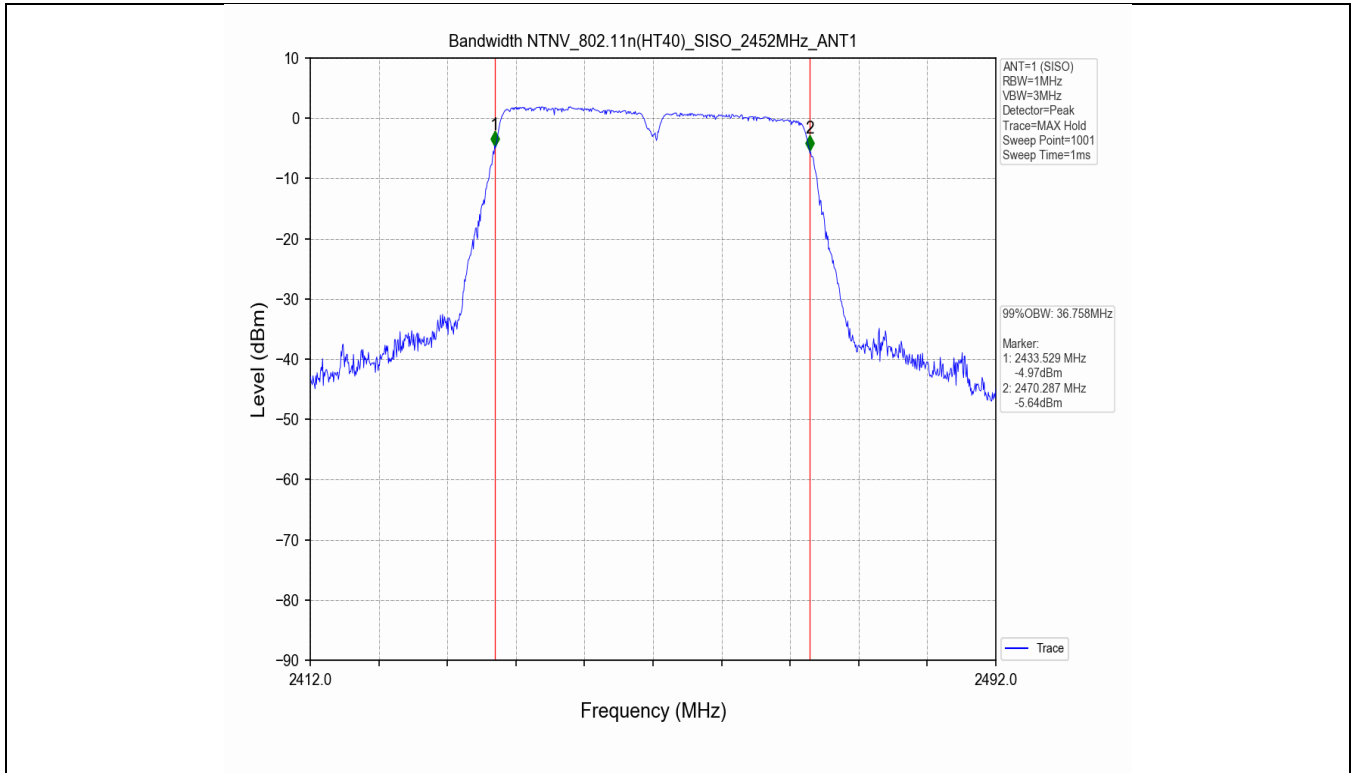










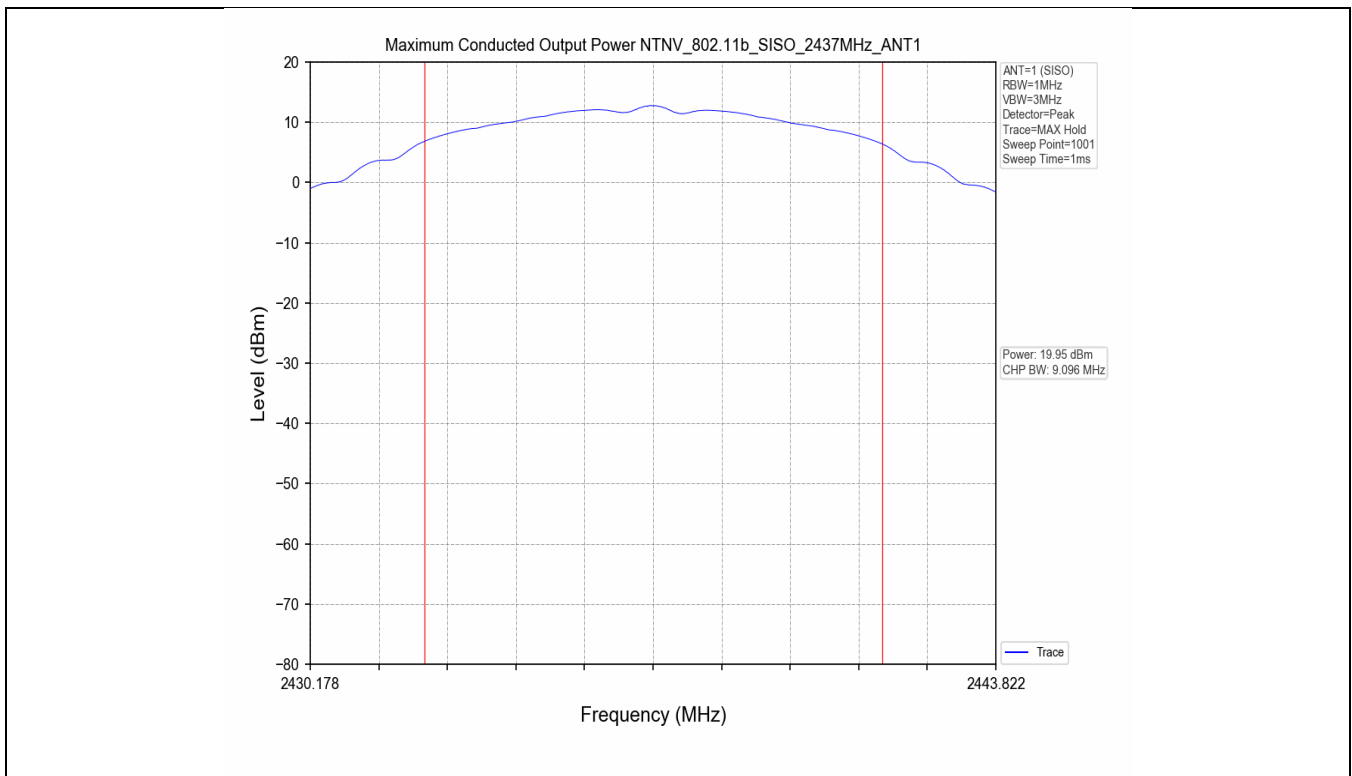
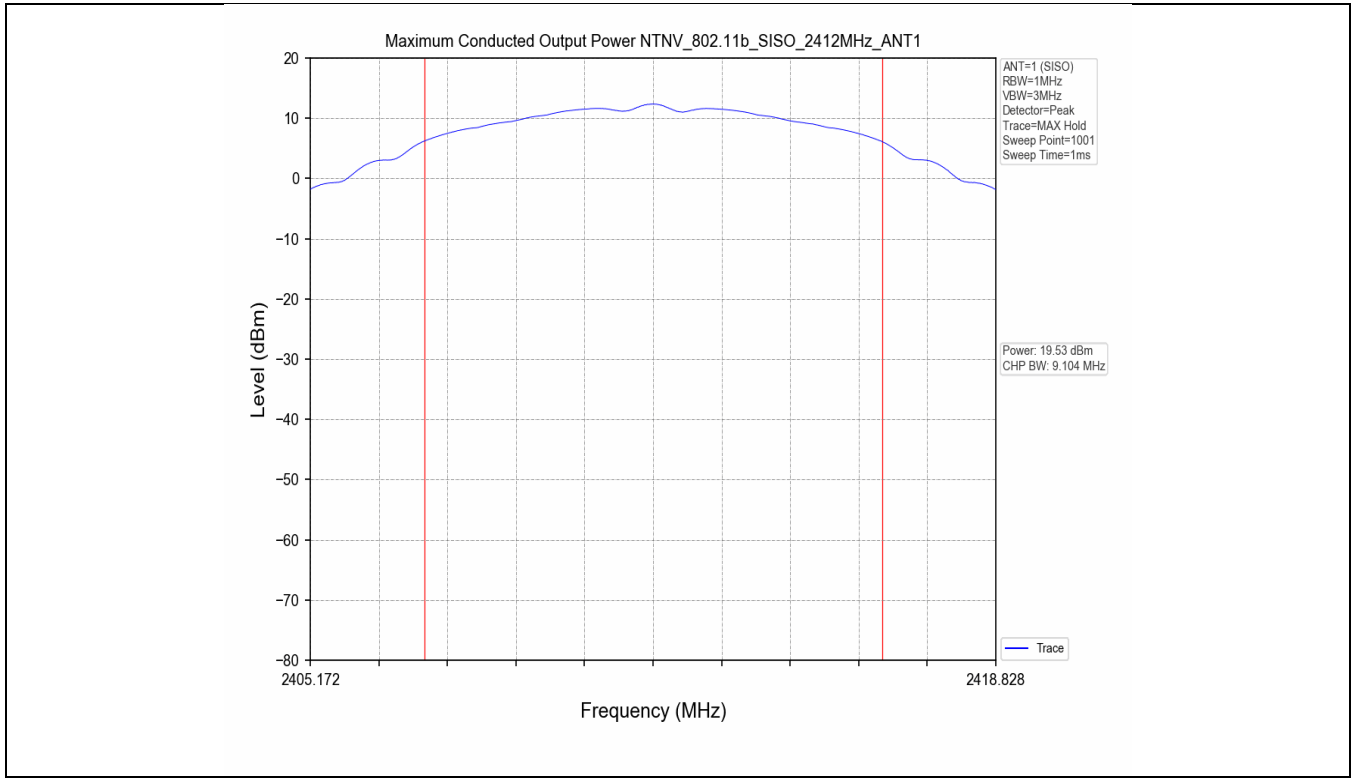


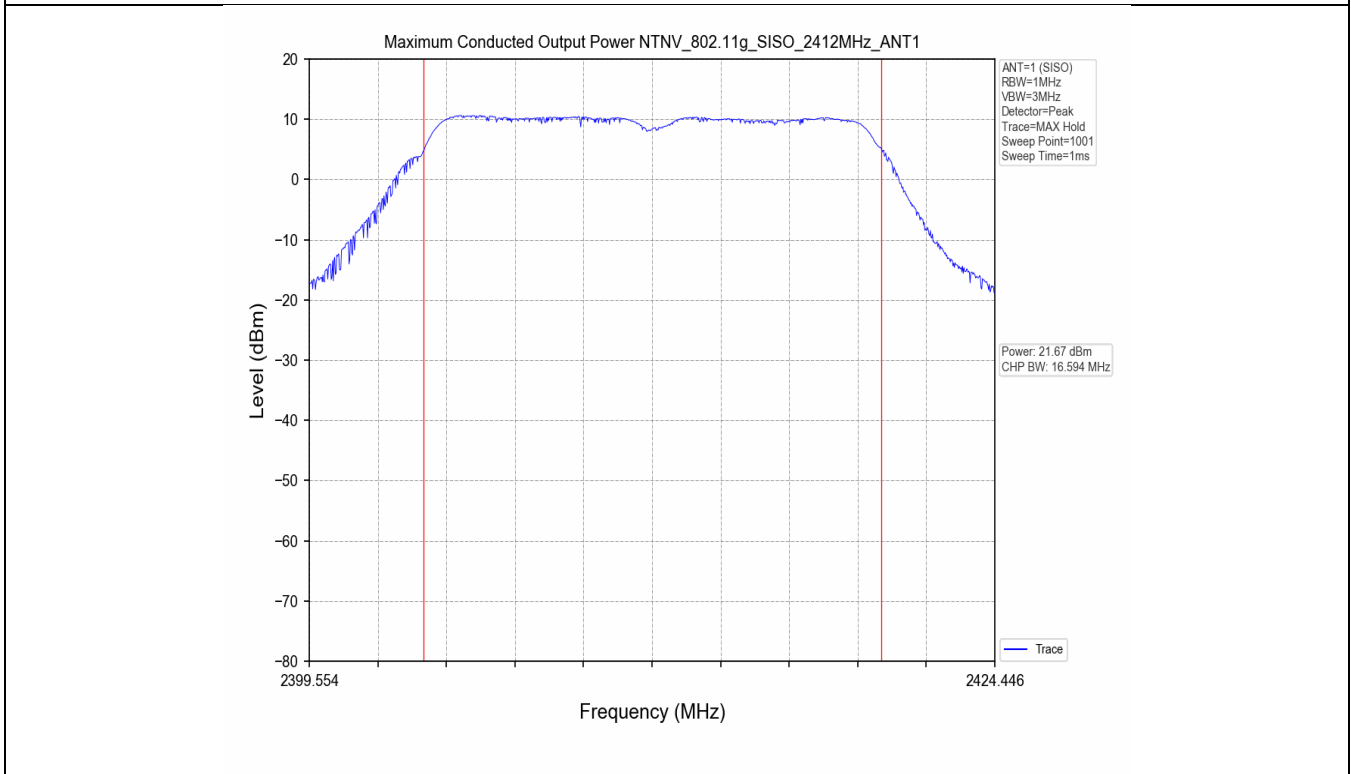
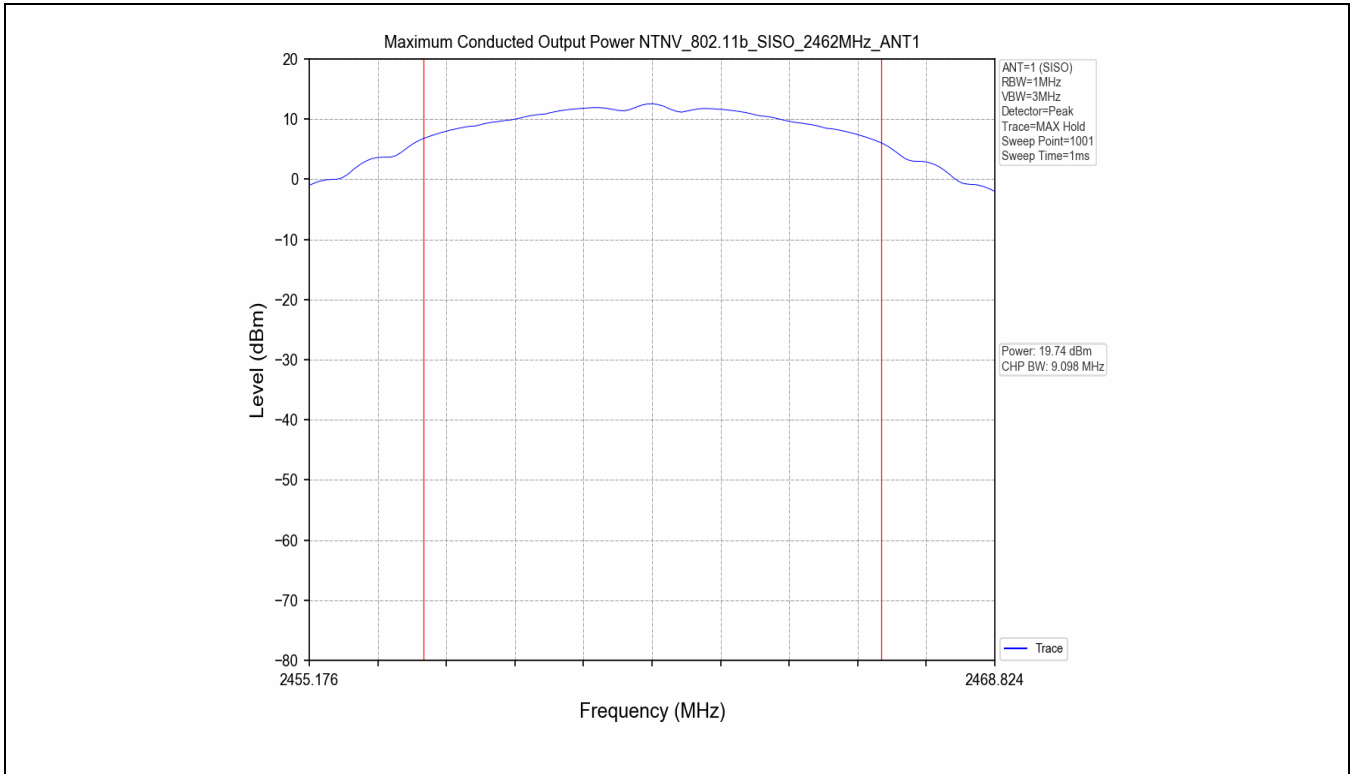
### 3. Maximum Conducted Output Power

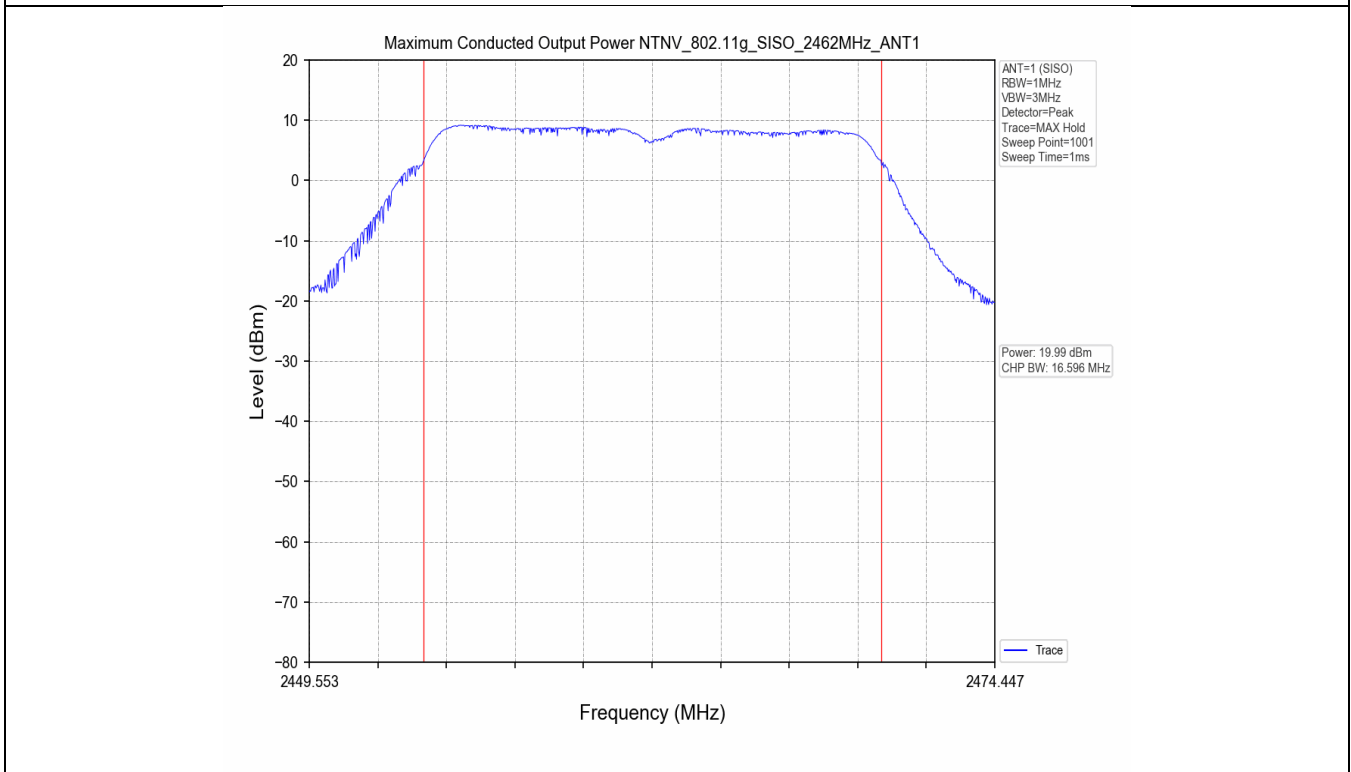
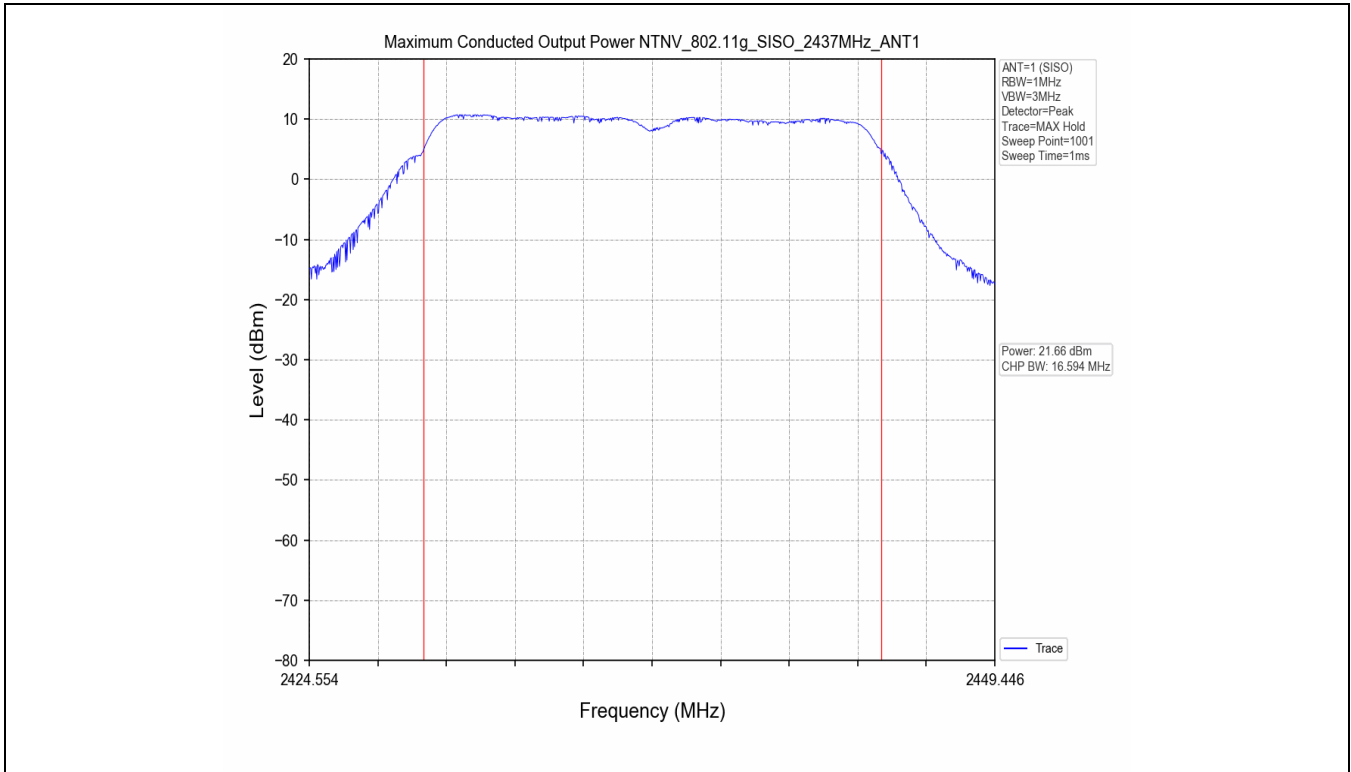
#### 3.1 Test Result

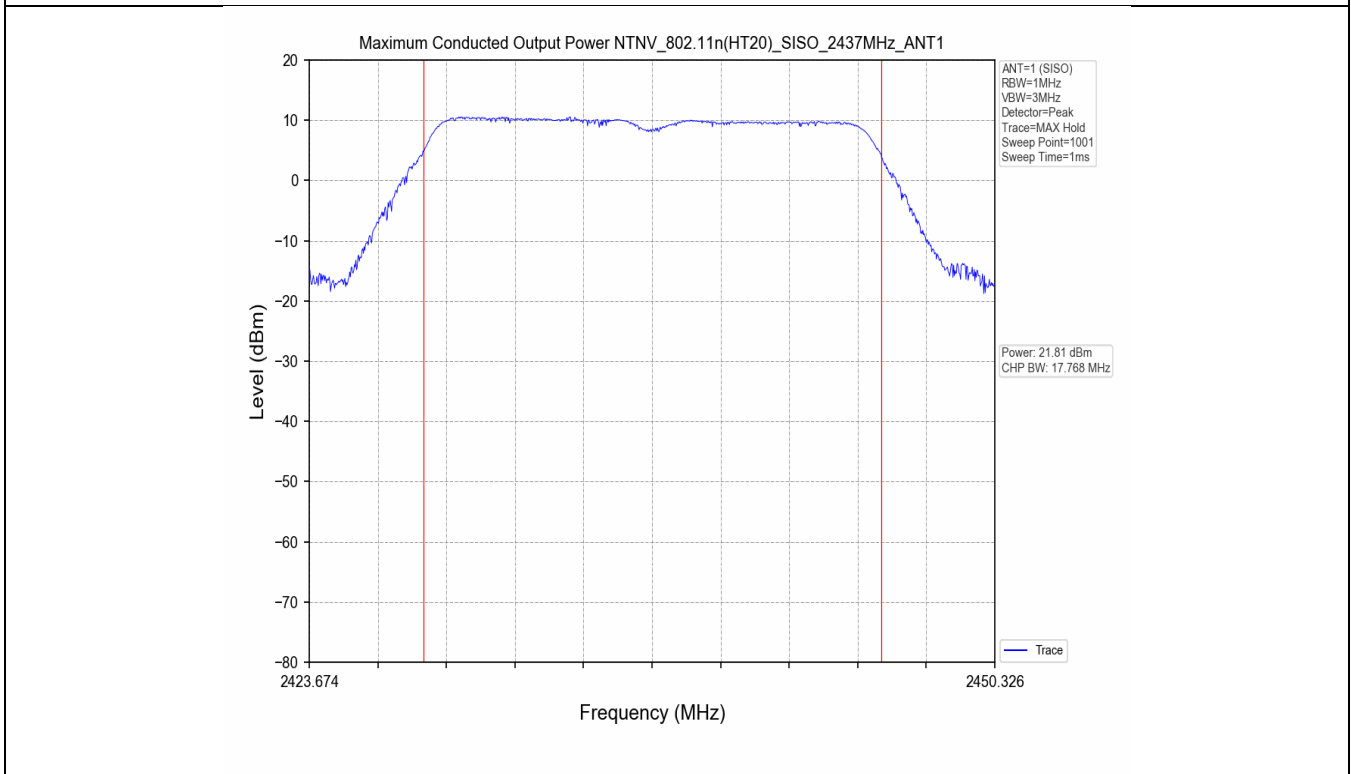
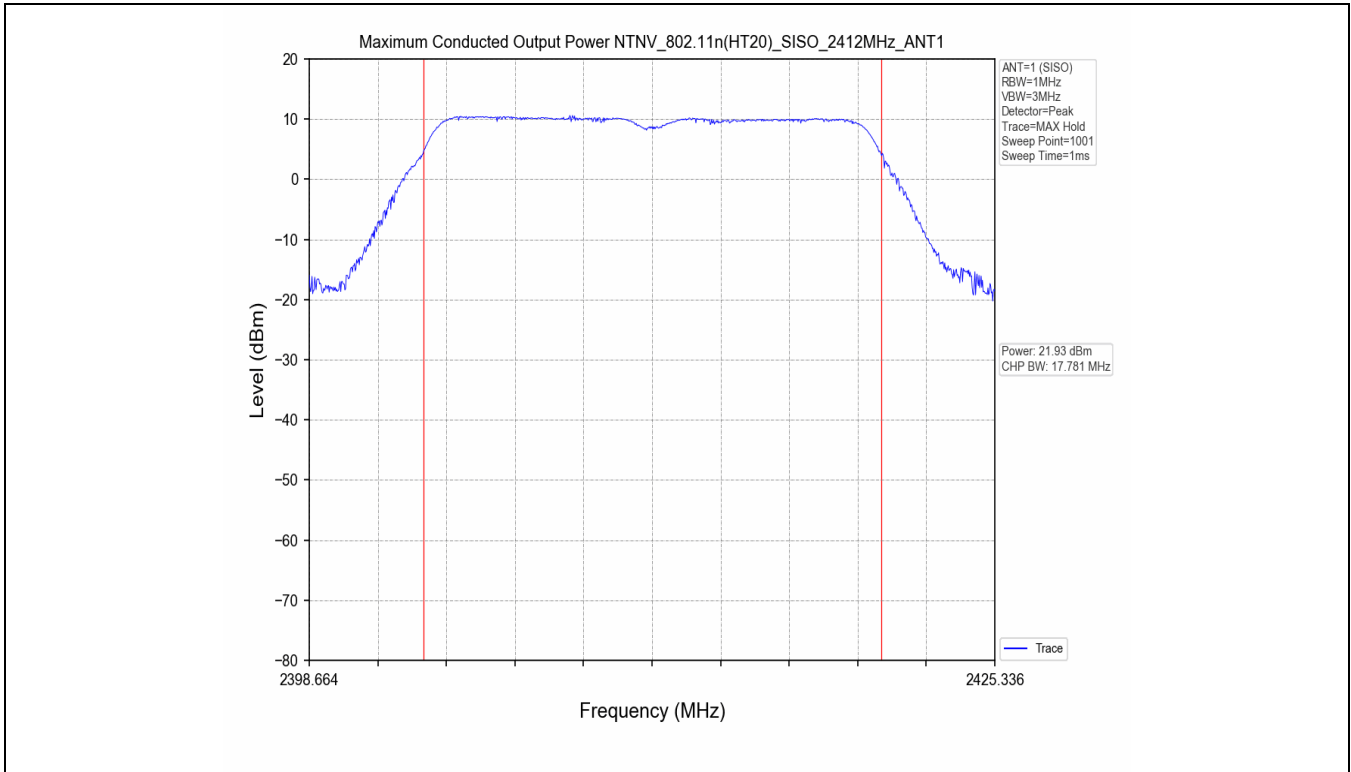
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	19.53	30	PASS
	2437	SISO	19.95	30	PASS
	2462	SISO	19.74	30	PASS
802.11g	2412	SISO	21.67	30	PASS
	2437	SISO	21.66	30	PASS
	2462	SISO	19.99	30	PASS
802.11n(HT20)	2412	SISO	21.93	30	PASS
	2437	SISO	21.81	30	PASS
	2462	SISO	20.18	30	PASS
802.11n(HT40)	2422	SISO	22.08	30	PASS
	2437	SISO	21.92	30	PASS
	2452	SISO	21.01	30	PASS

#### 3.2 Test Graph

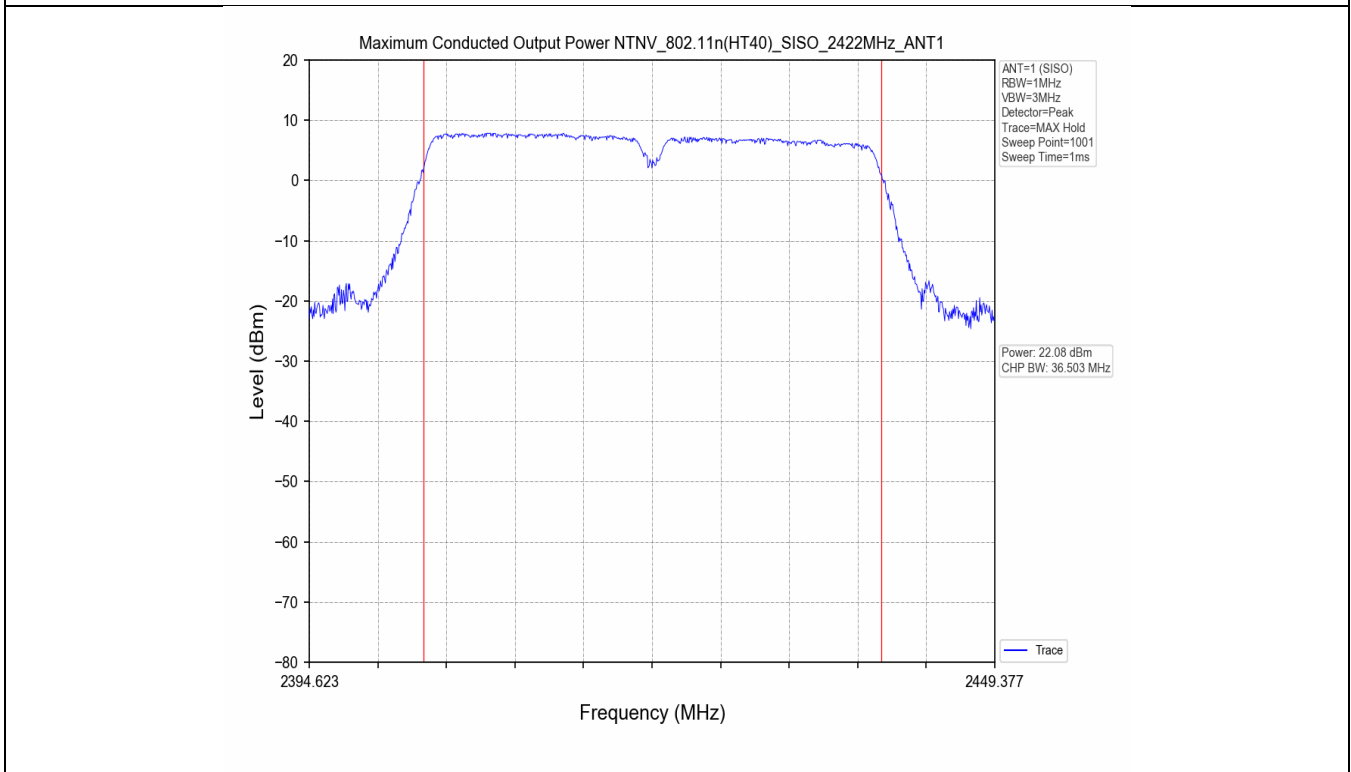
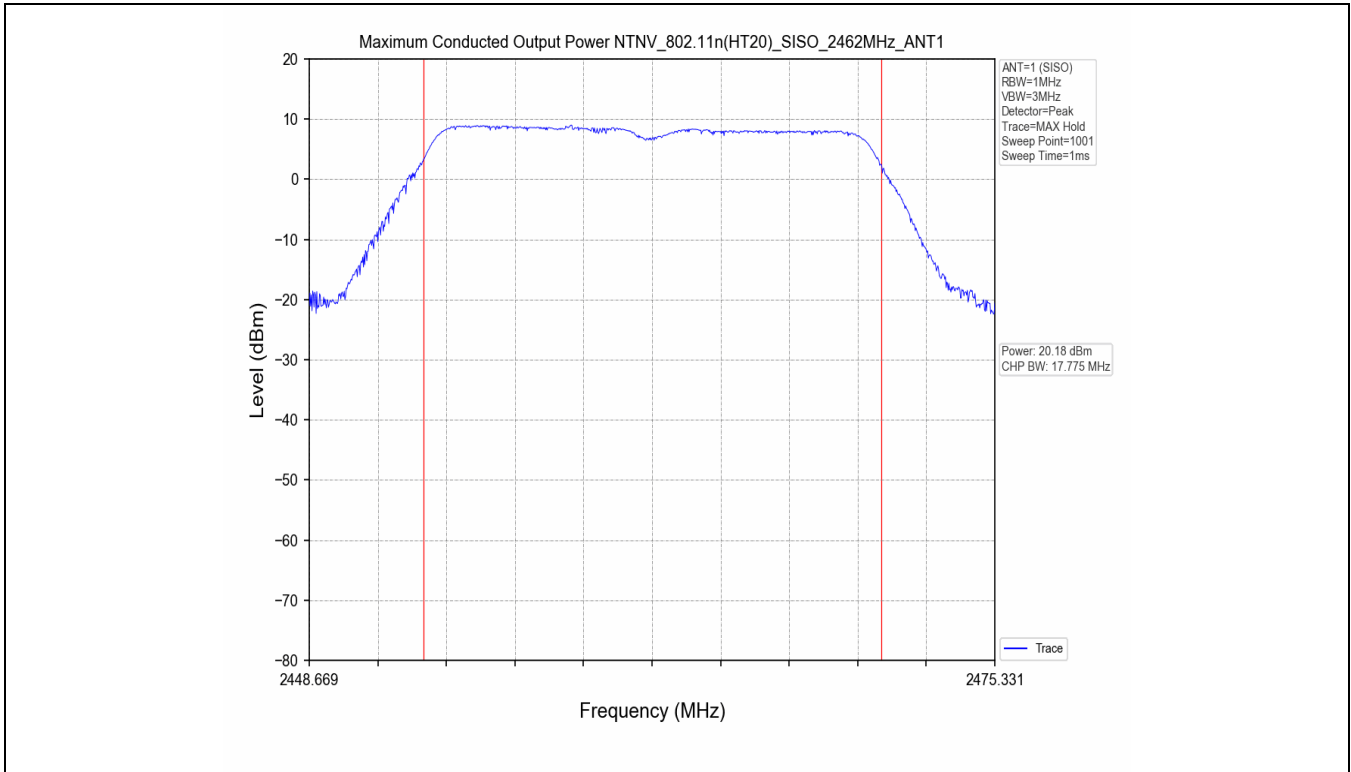


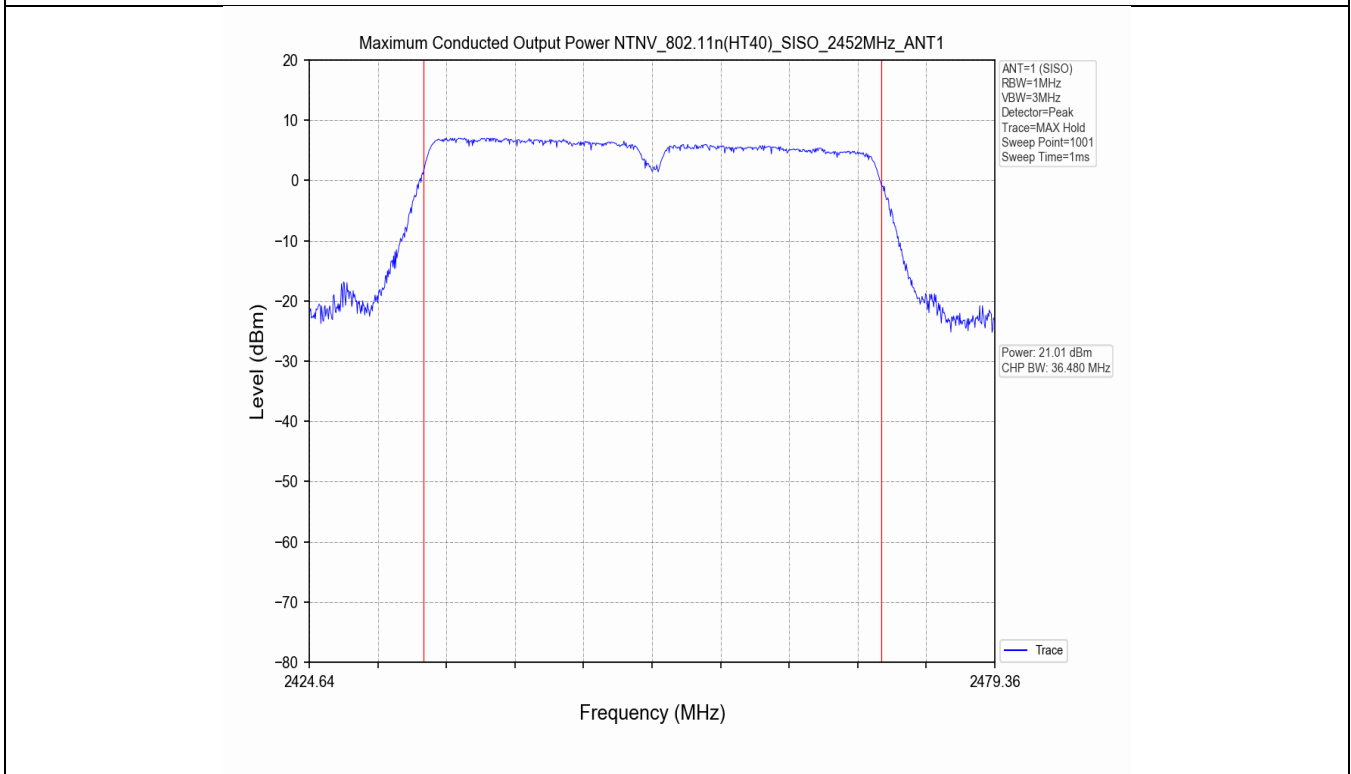
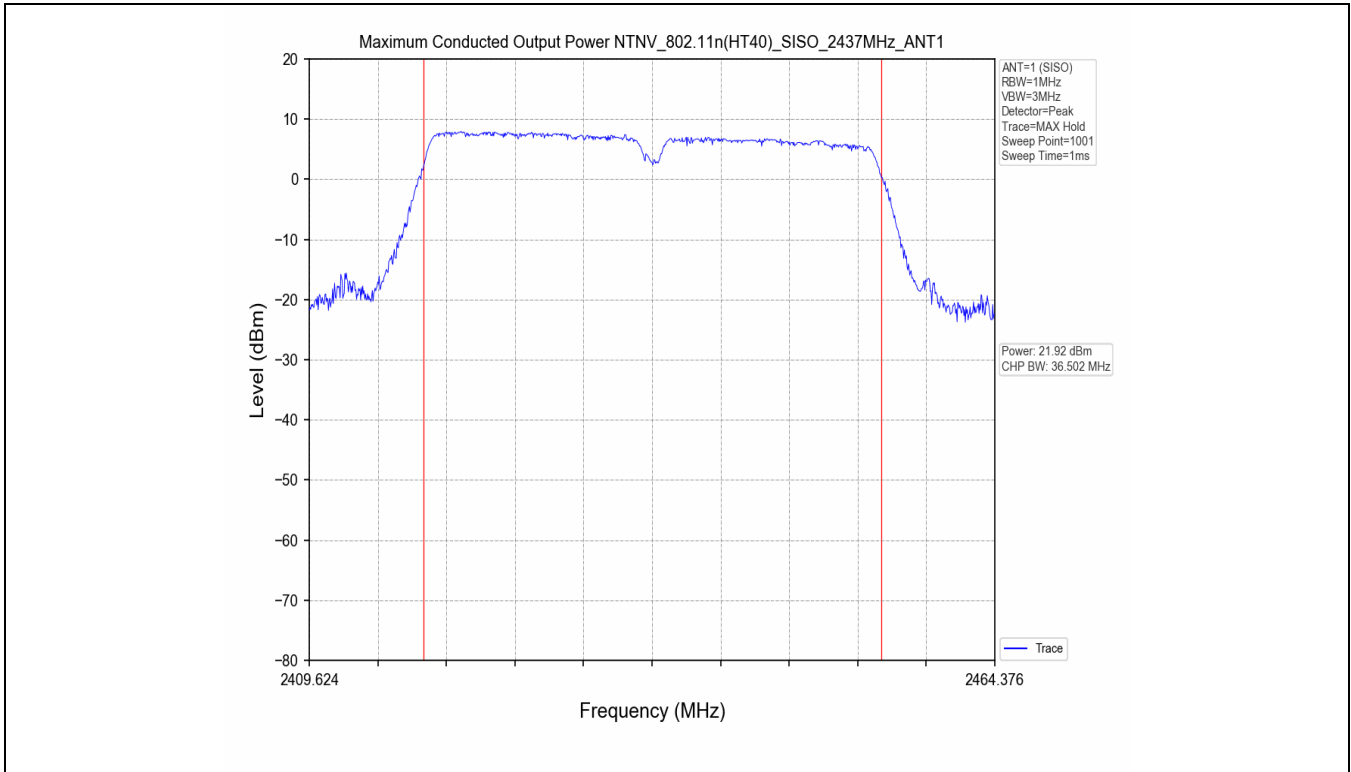










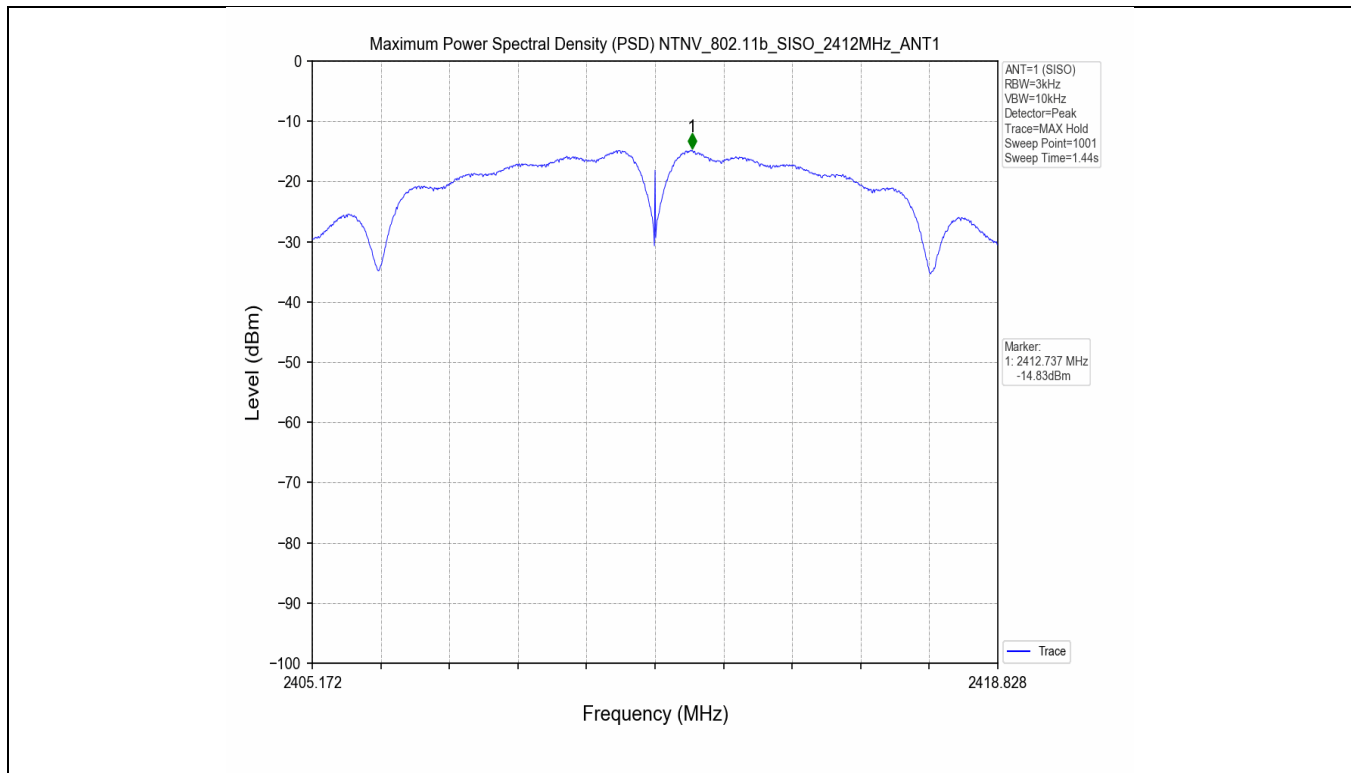


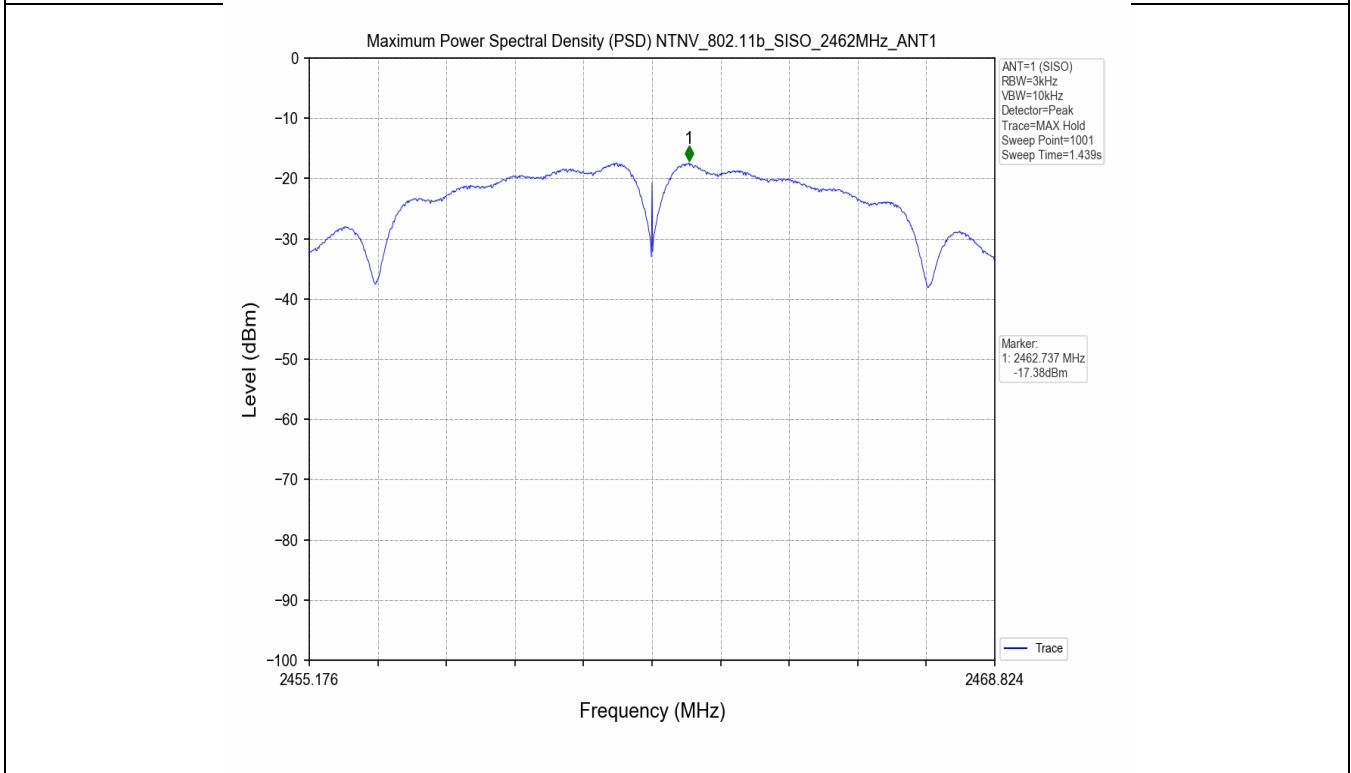
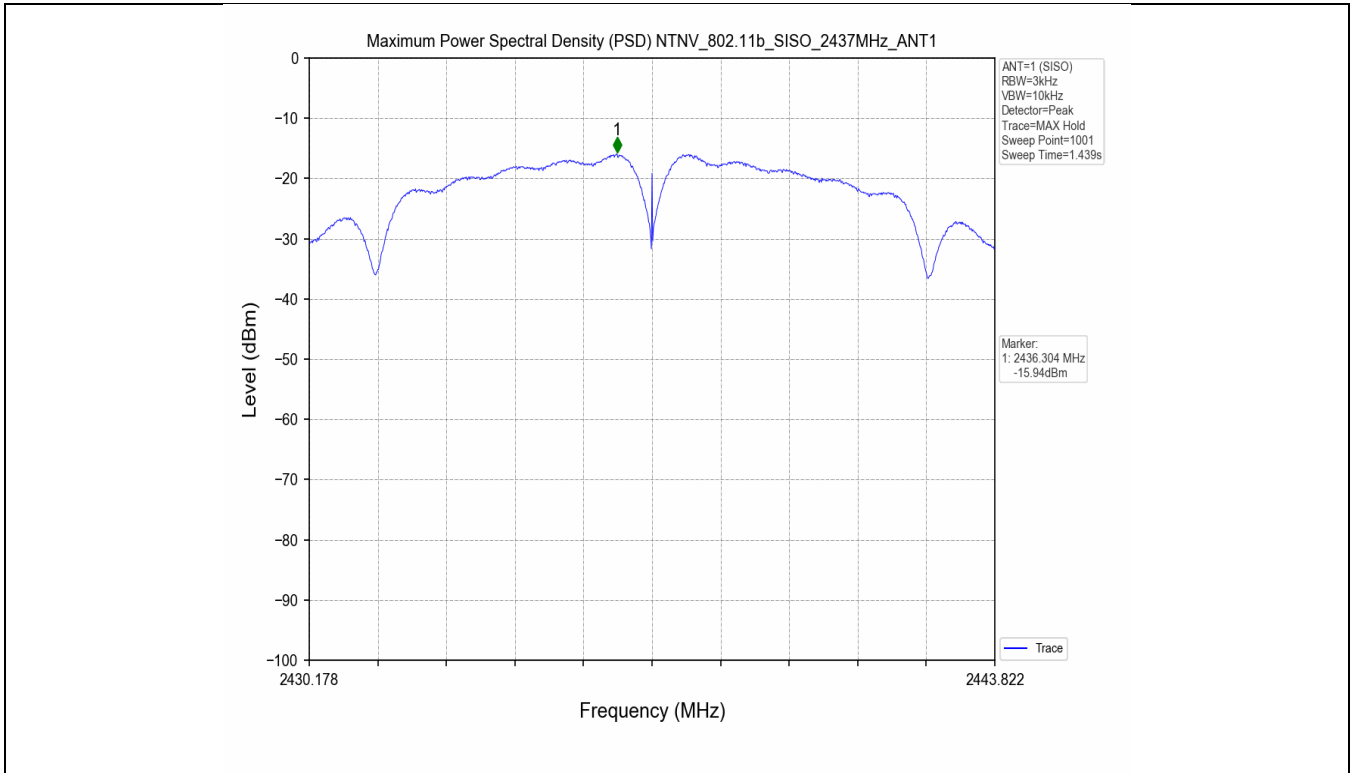
## 4. Maximum Power Spectral Density (PSD)

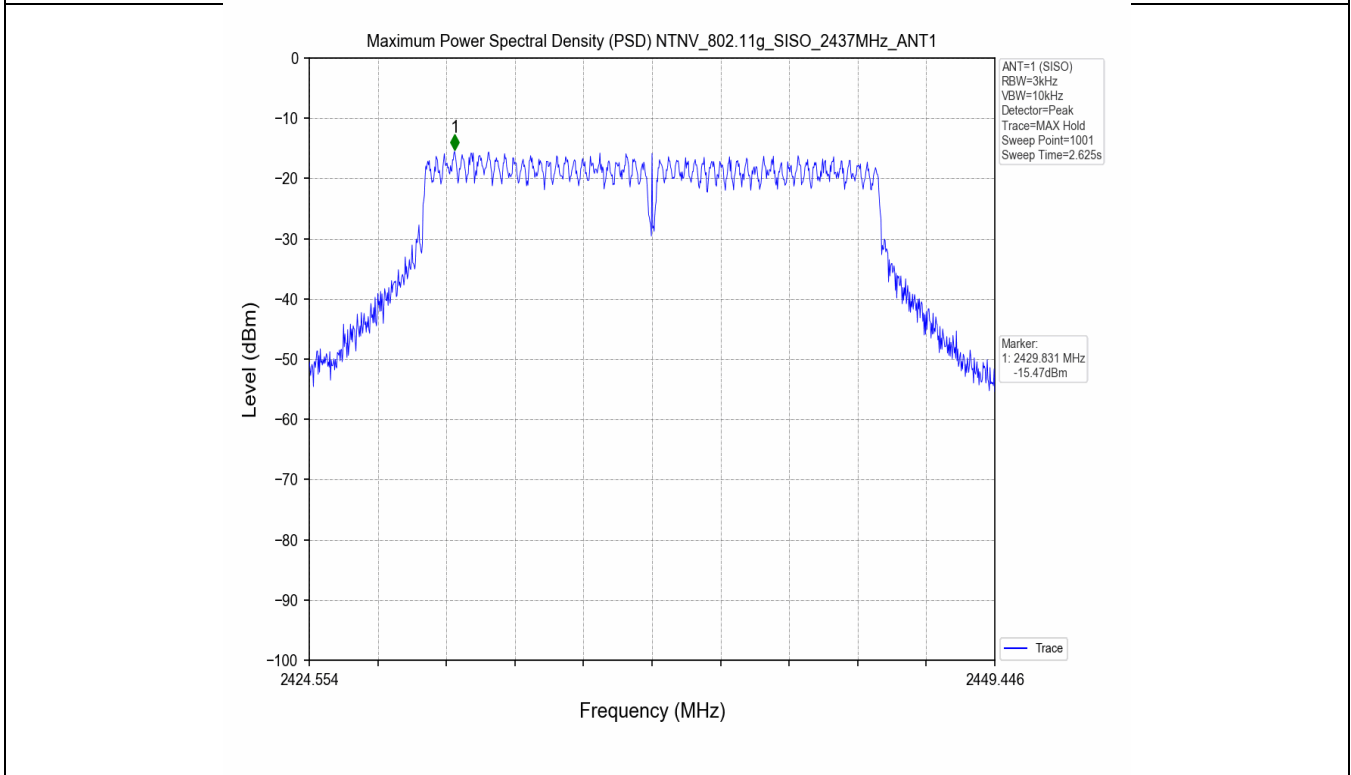
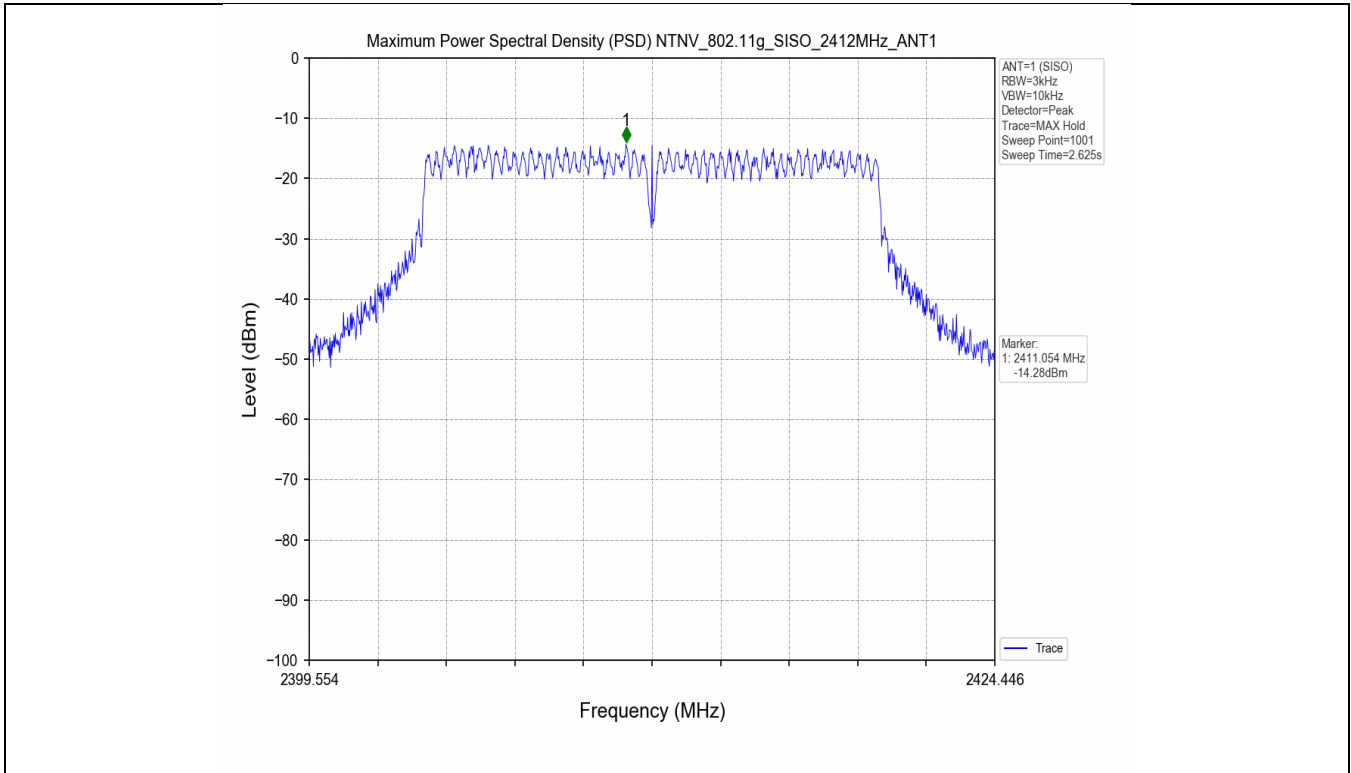
### 4.1 Test Result

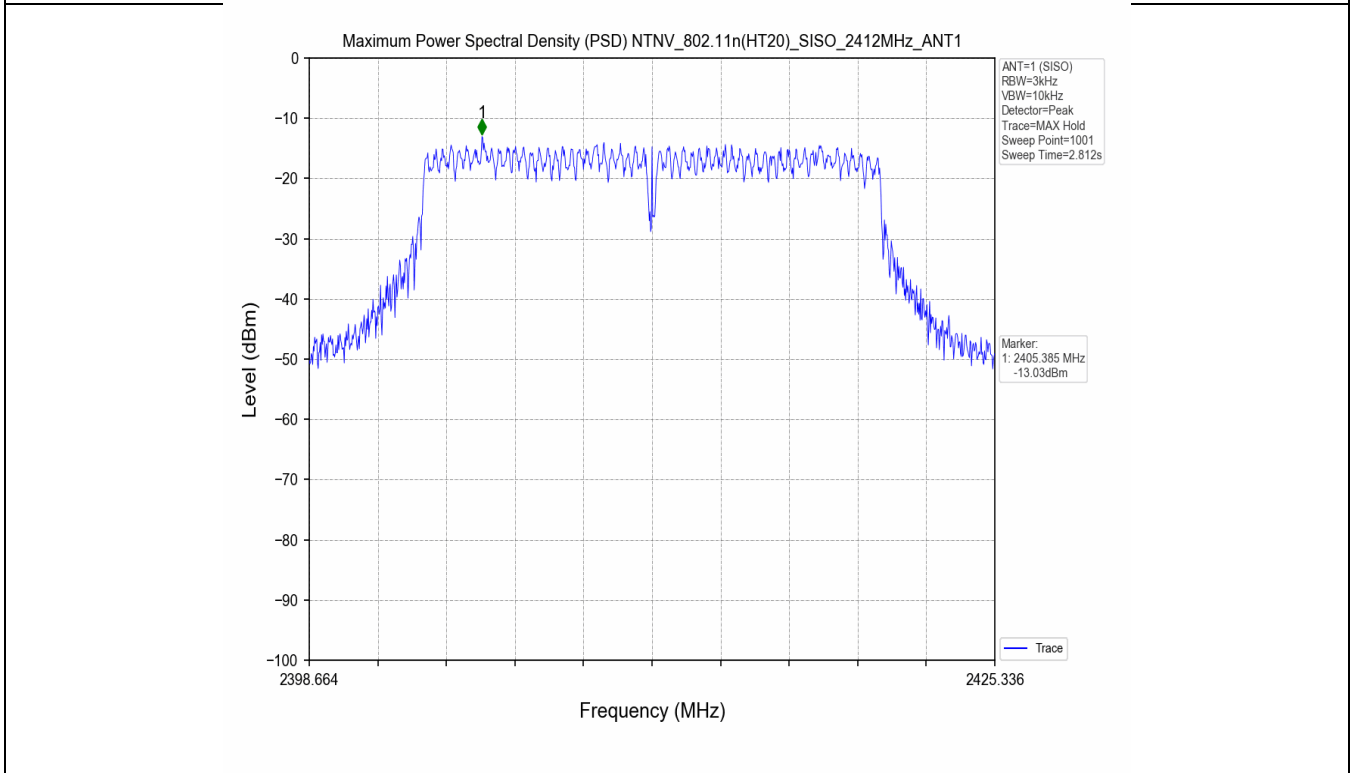
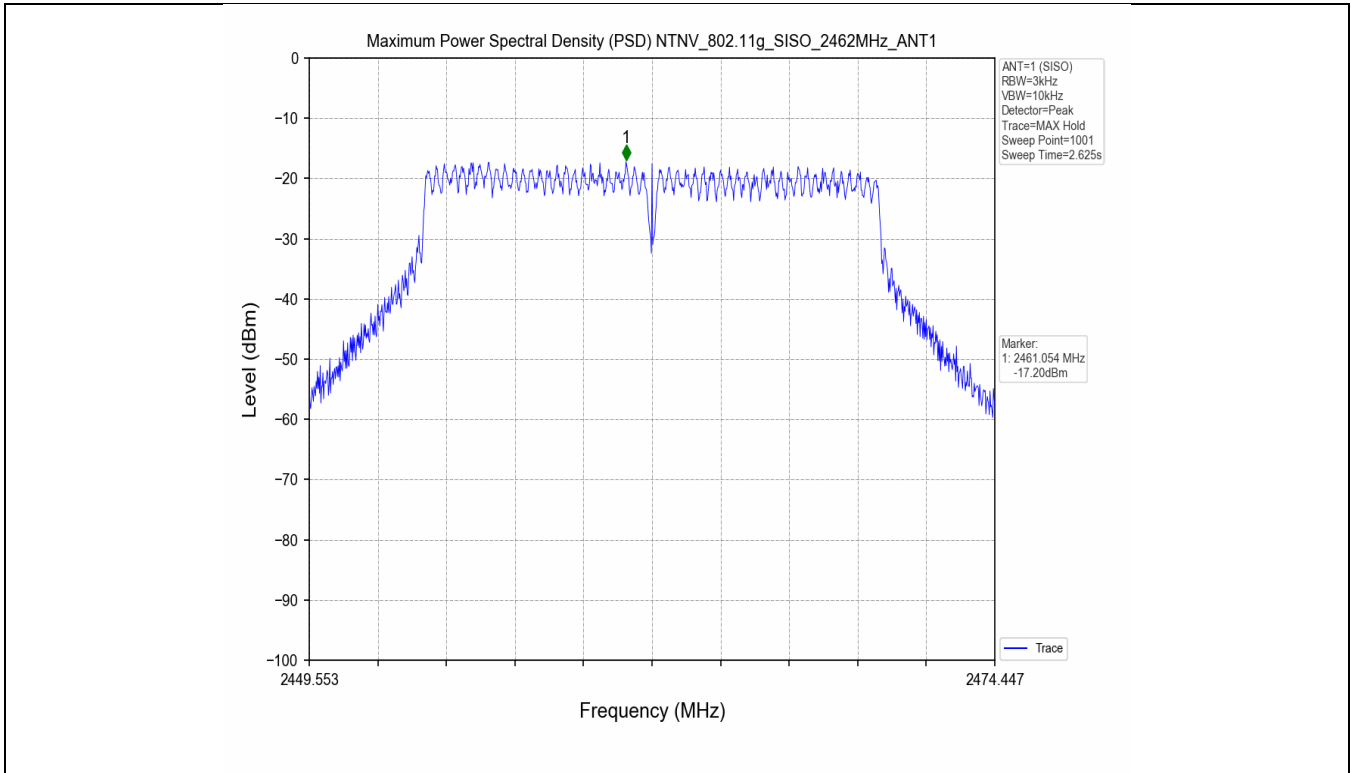
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3KHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-14.83	≤8	PASS
	2437	SISO	-15.94	≤8	PASS
	2462	SISO	-17.38	≤8	PASS
802.11g	2412	SISO	-14.28	≤8	PASS
	2437	SISO	-15.47	≤8	PASS
	2462	SISO	-17.20	≤8	PASS
802.11n(HT20)	2412	SISO	-13.03	≤8	PASS
	2437	SISO	-12.99	≤8	PASS
	2462	SISO	-19.75	≤8	PASS
802.11n(HT40)	2422	SISO	-14.24	≤8	PASS
	2437	SISO	-18.69	≤8	PASS
	2452	SISO	-19.64	≤8	PASS

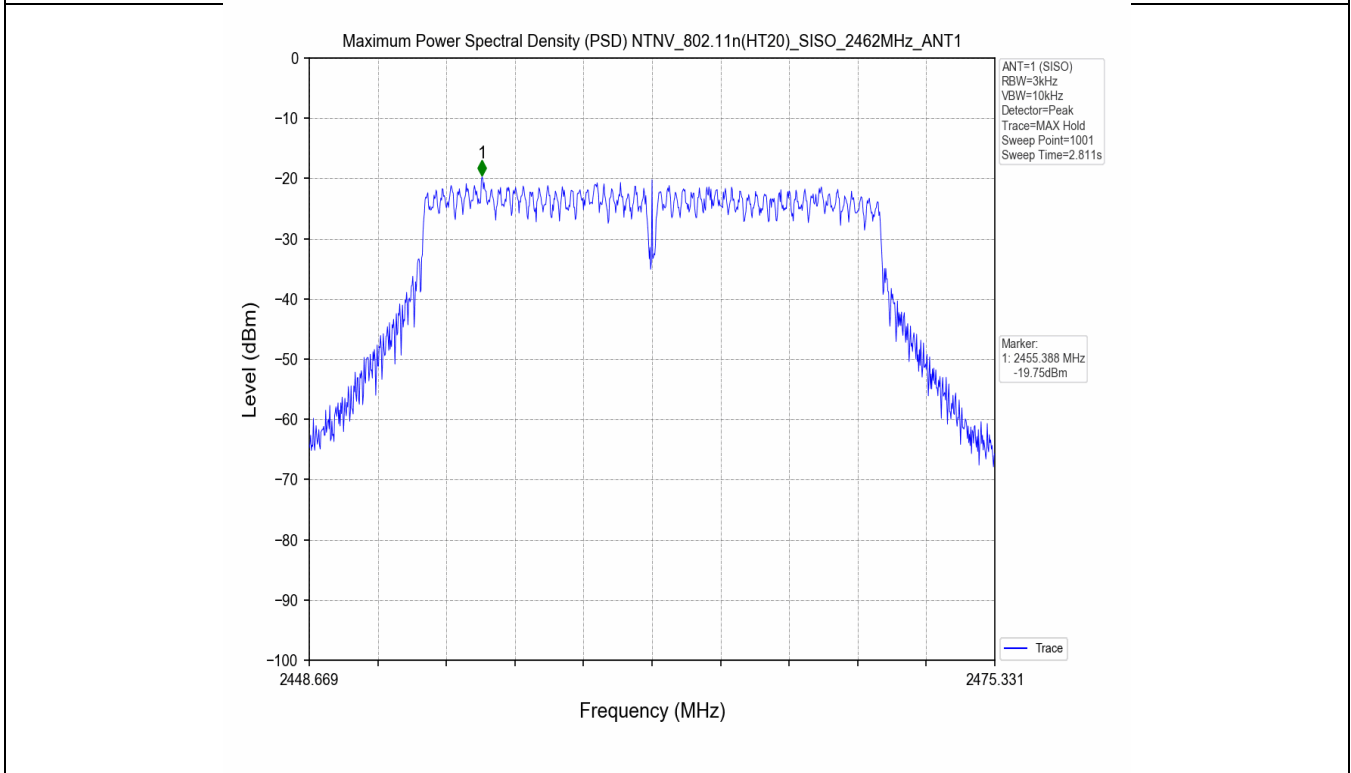
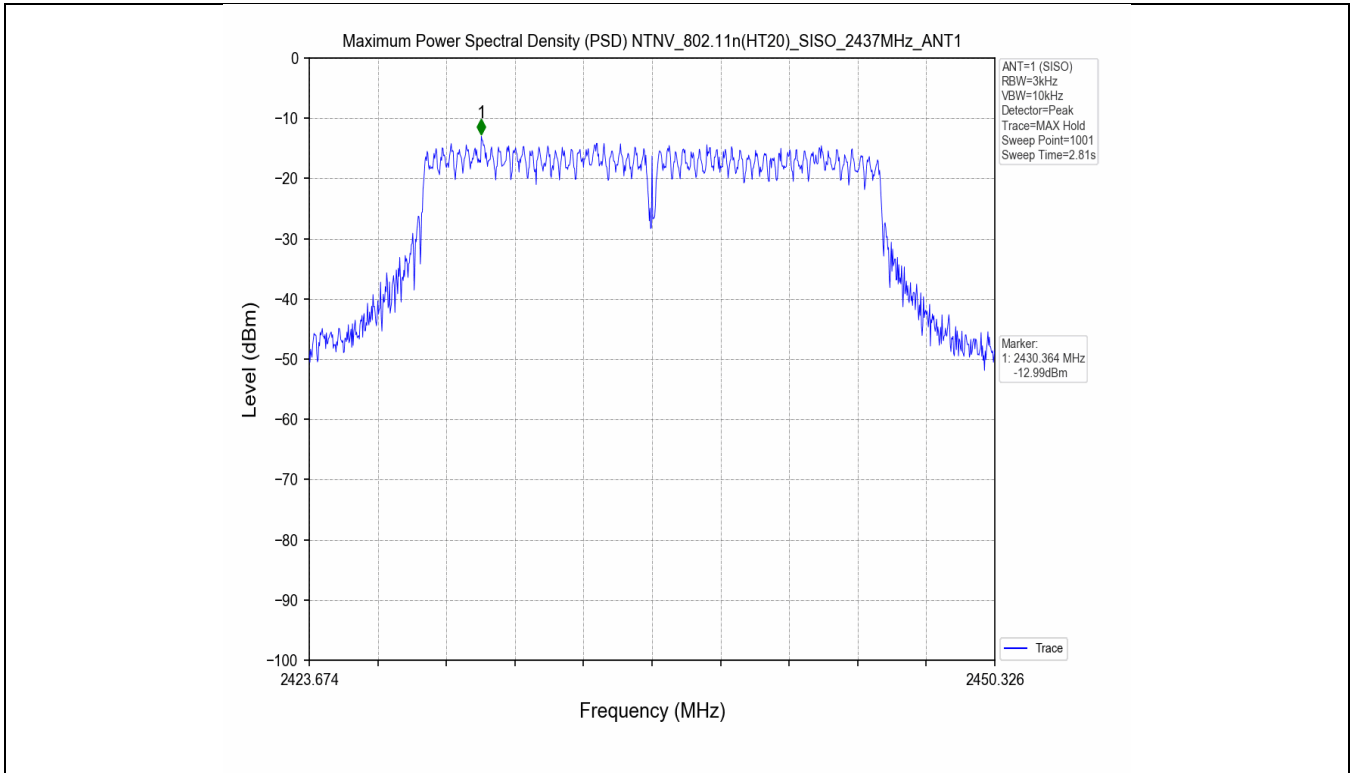
### 4.2 Test Graph

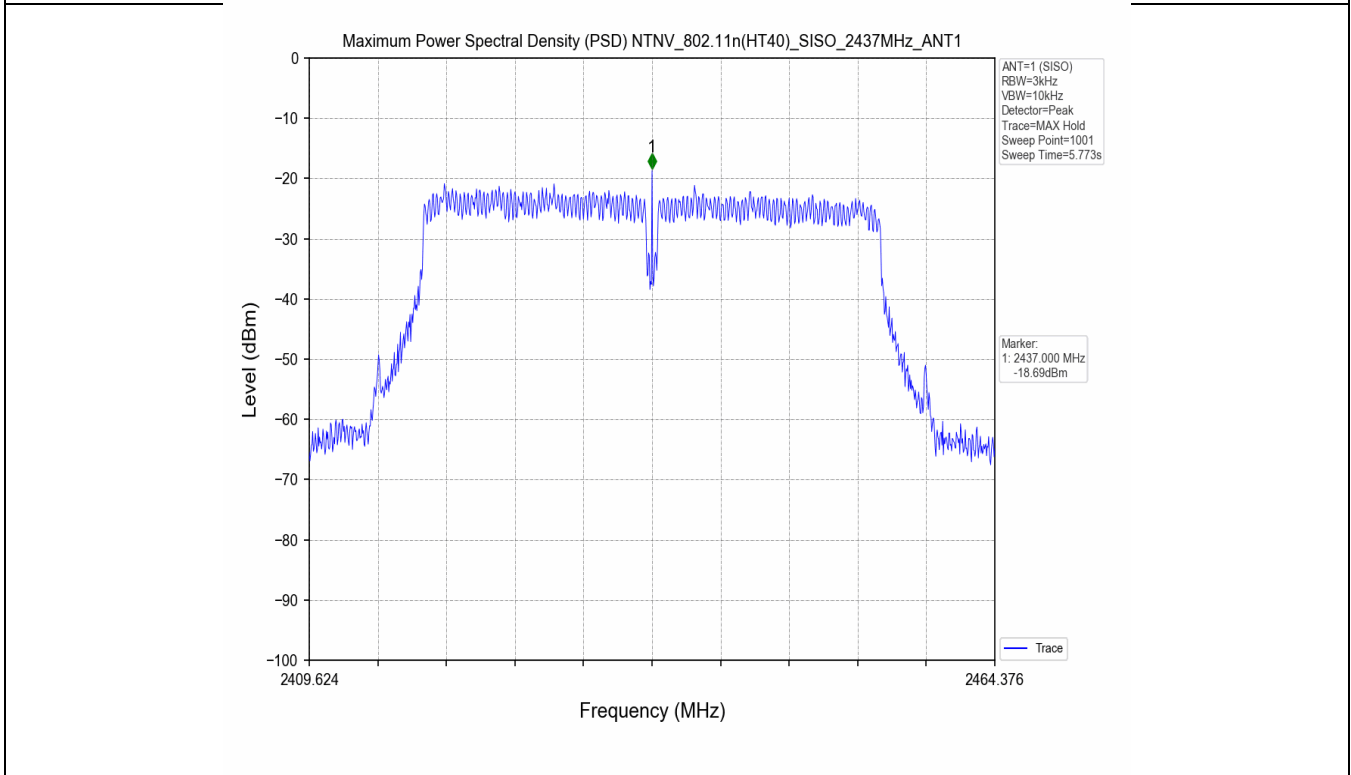
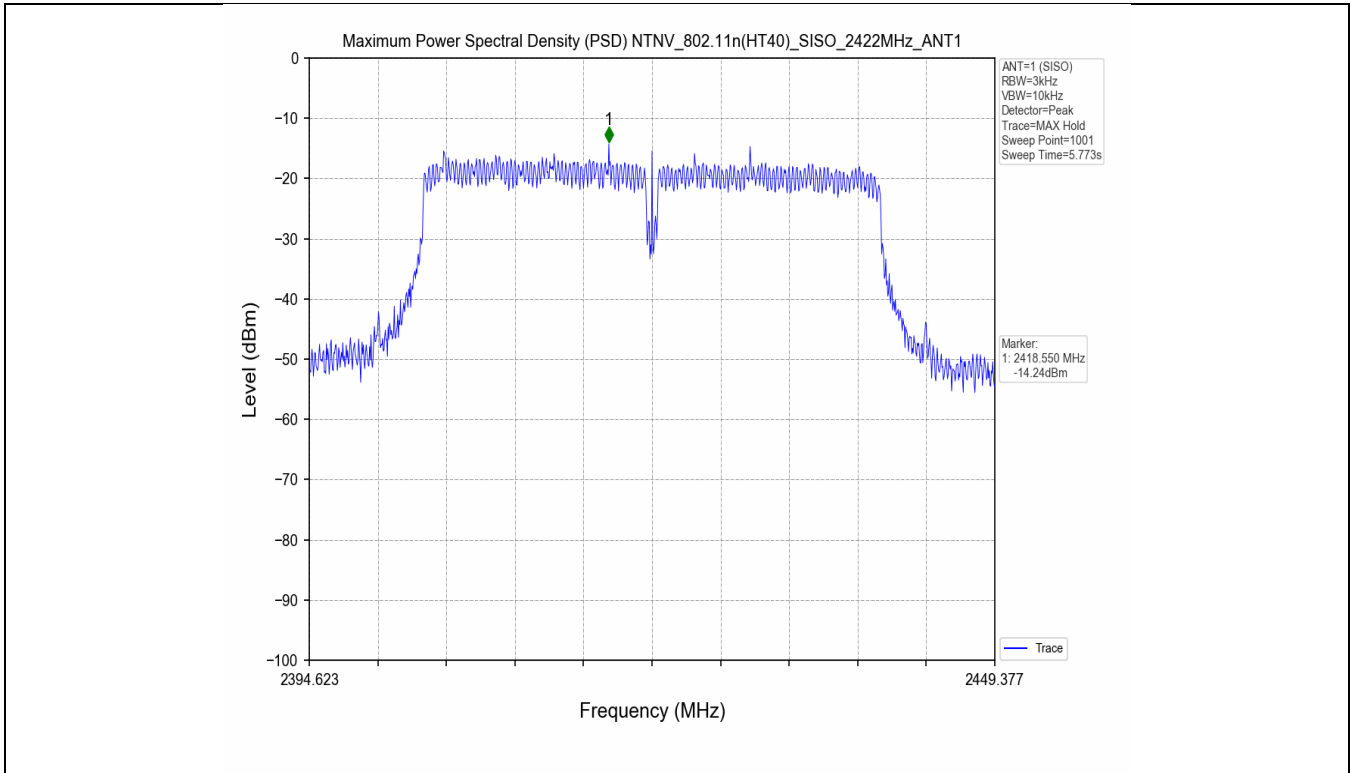




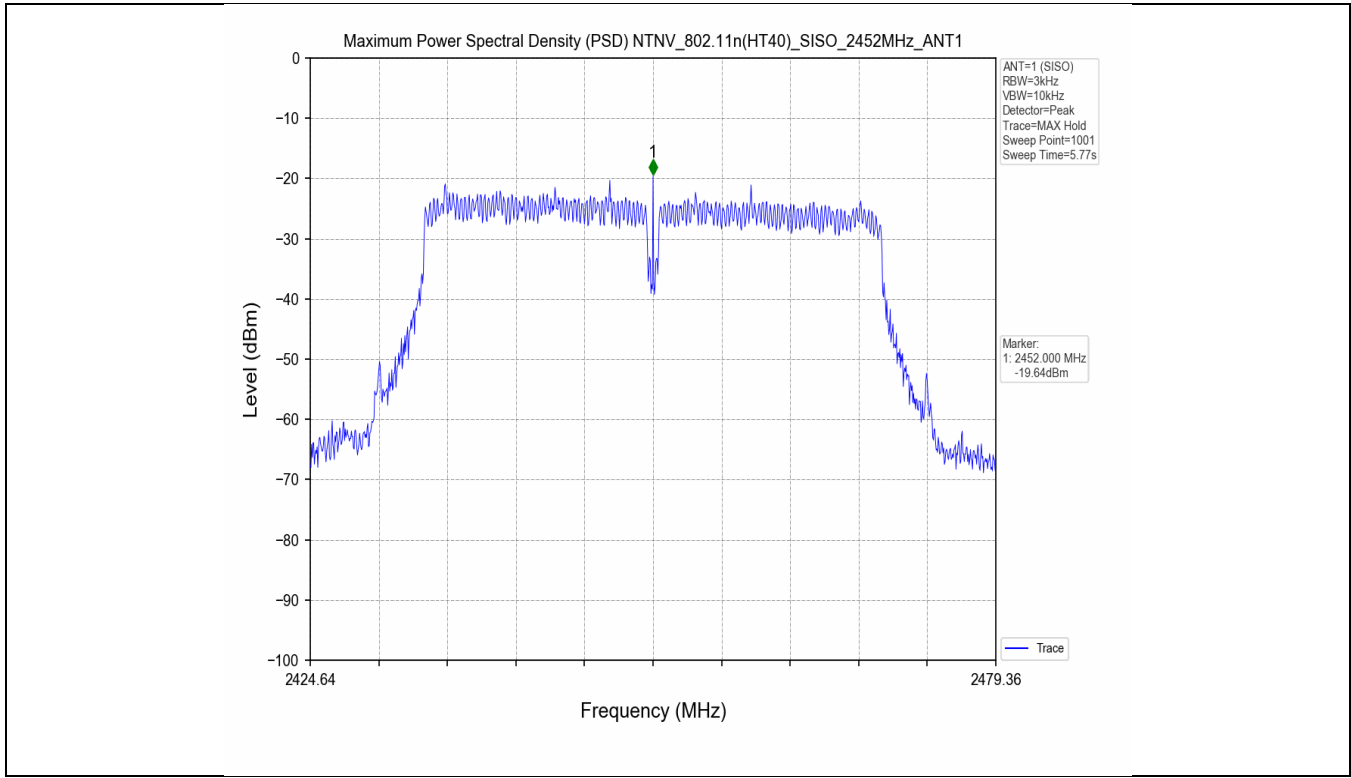












## 5. Unwanted Emissions in Non-restricted Frequency Bands

### 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	-14.64	PASS
	2437	SISO	1	Refer to test graph	-14.64	PASS
	2462	SISO	1	Refer to test graph	-14.64	PASS
802.11g	2412	SISO	1	Refer to test graph	-20.16	PASS
	2437	SISO	1	Refer to test graph	-20.16	PASS
	2462	SISO	1	Refer to test graph	-20.16	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-19.55	PASS
	2437	SISO	1	Refer to test graph	-19.55	PASS
	2462	SISO	1	Refer to test graph	-19.55	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-22.72	PASS
	2437	SISO	1	Refer to test graph	-22.72	PASS
	2452	SISO	1	Refer to test graph	-22.72	PASS

### 5.2 Test Graph

