

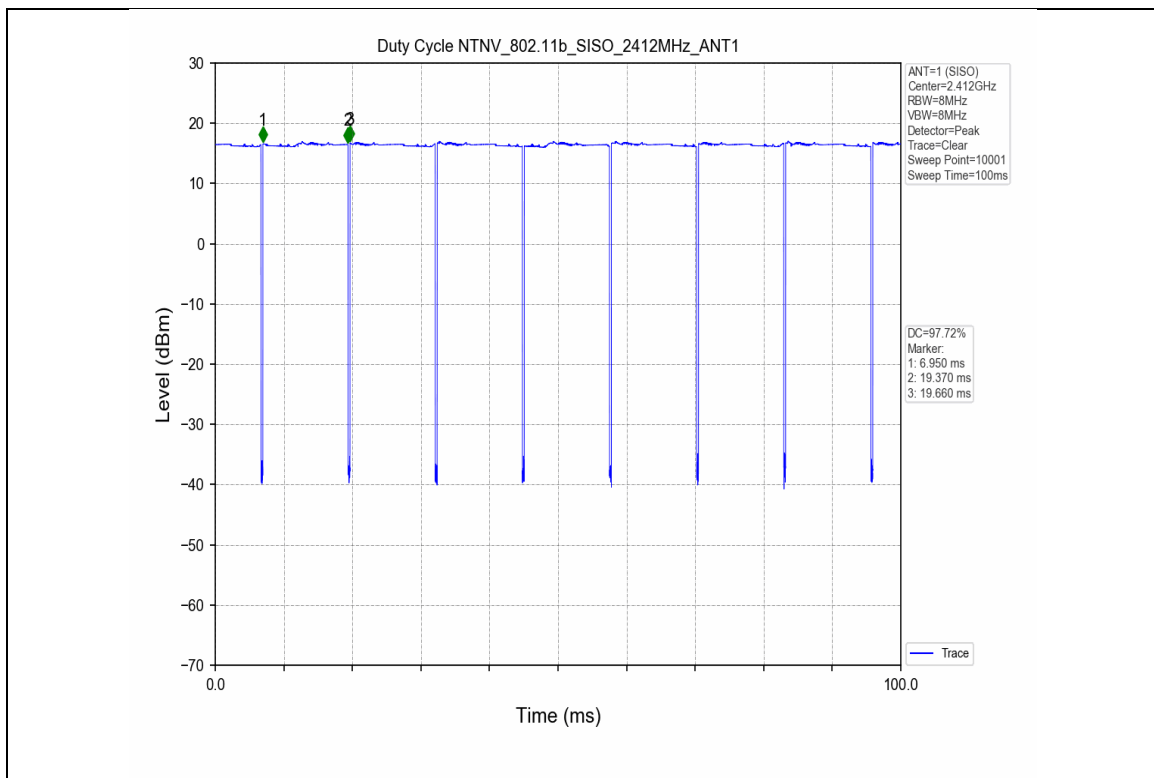
### Appendix for SHEM2102001594CR

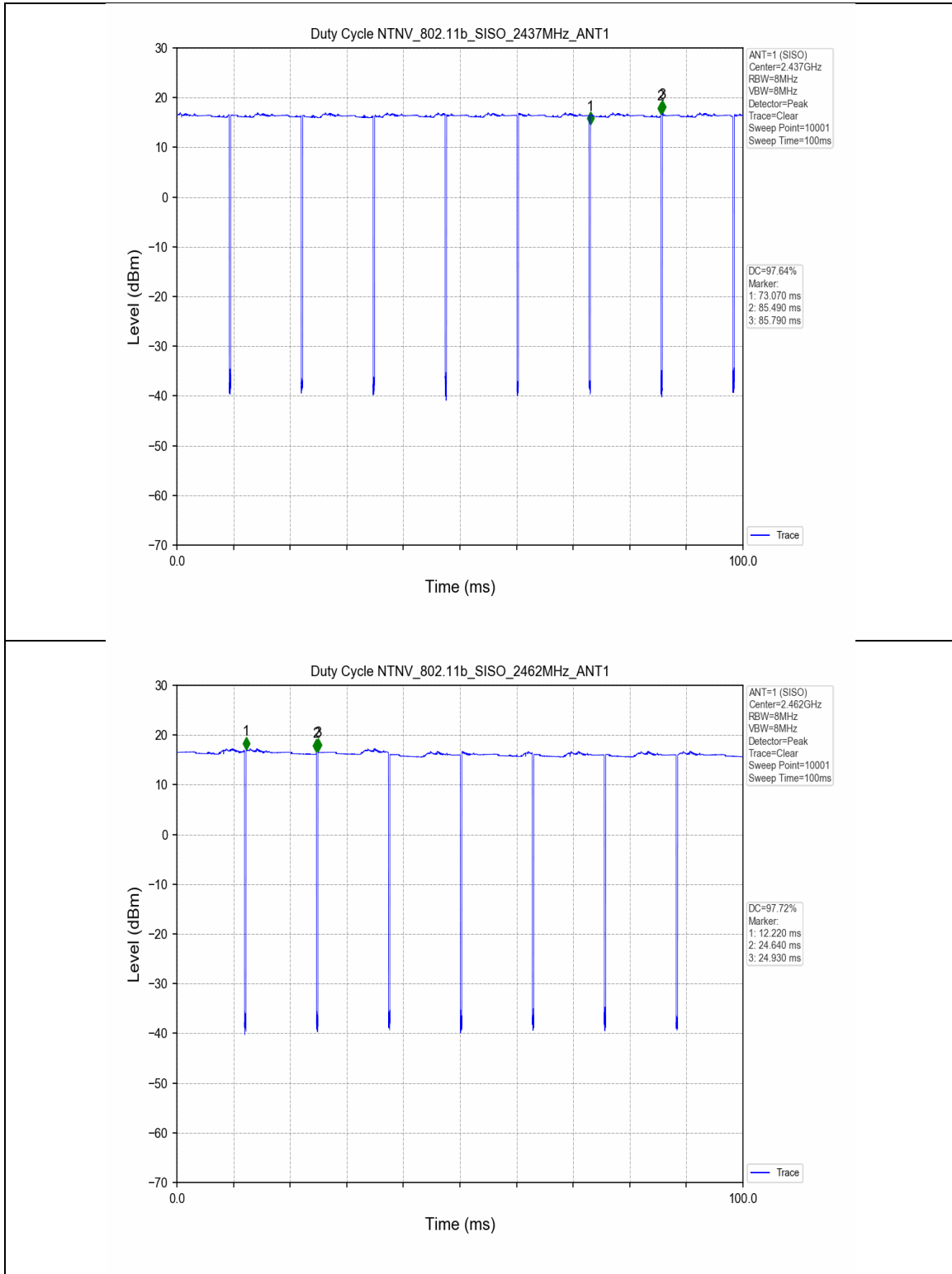
## 1. Duty Cycle

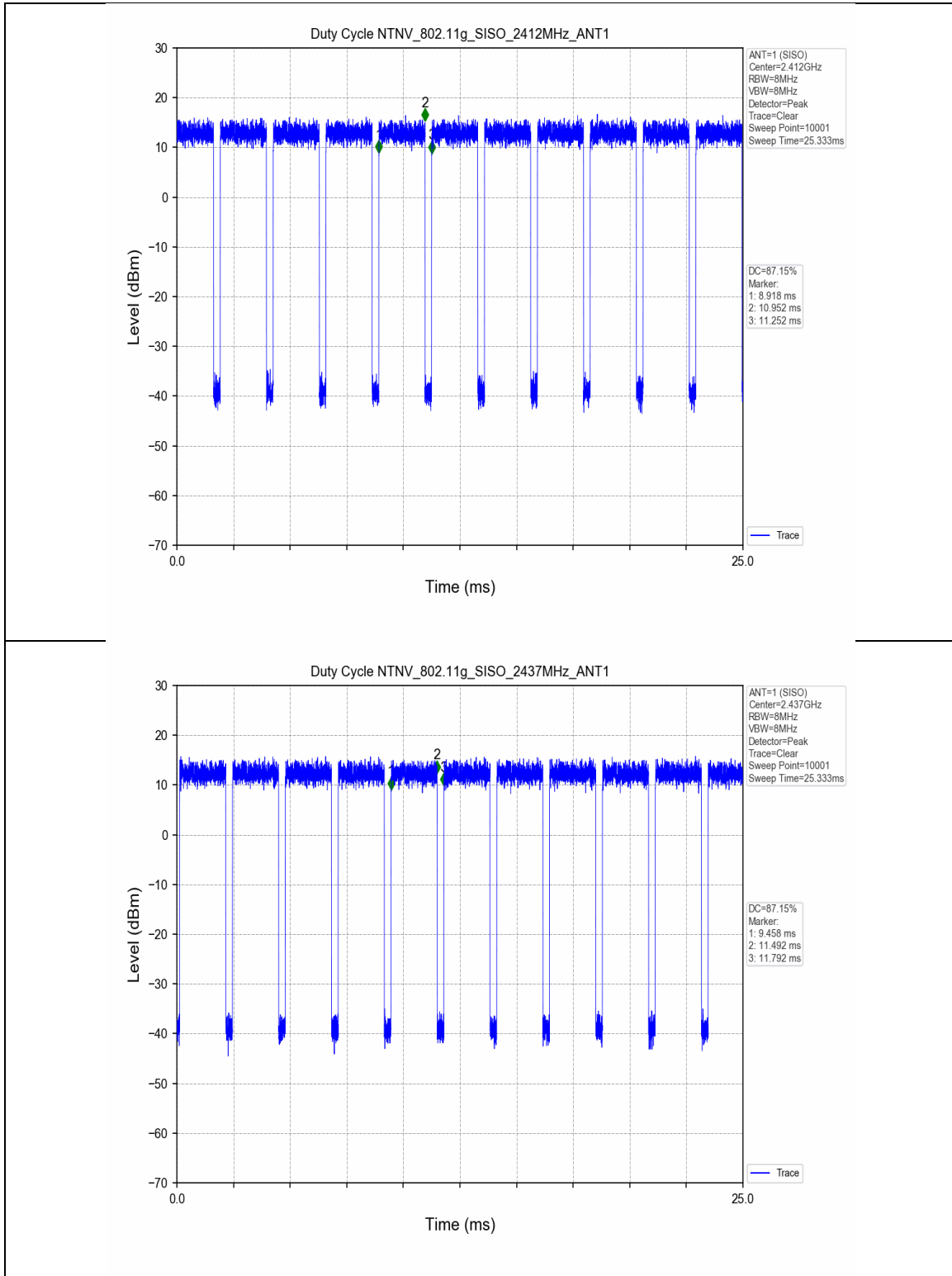
### 1.1 Test Result

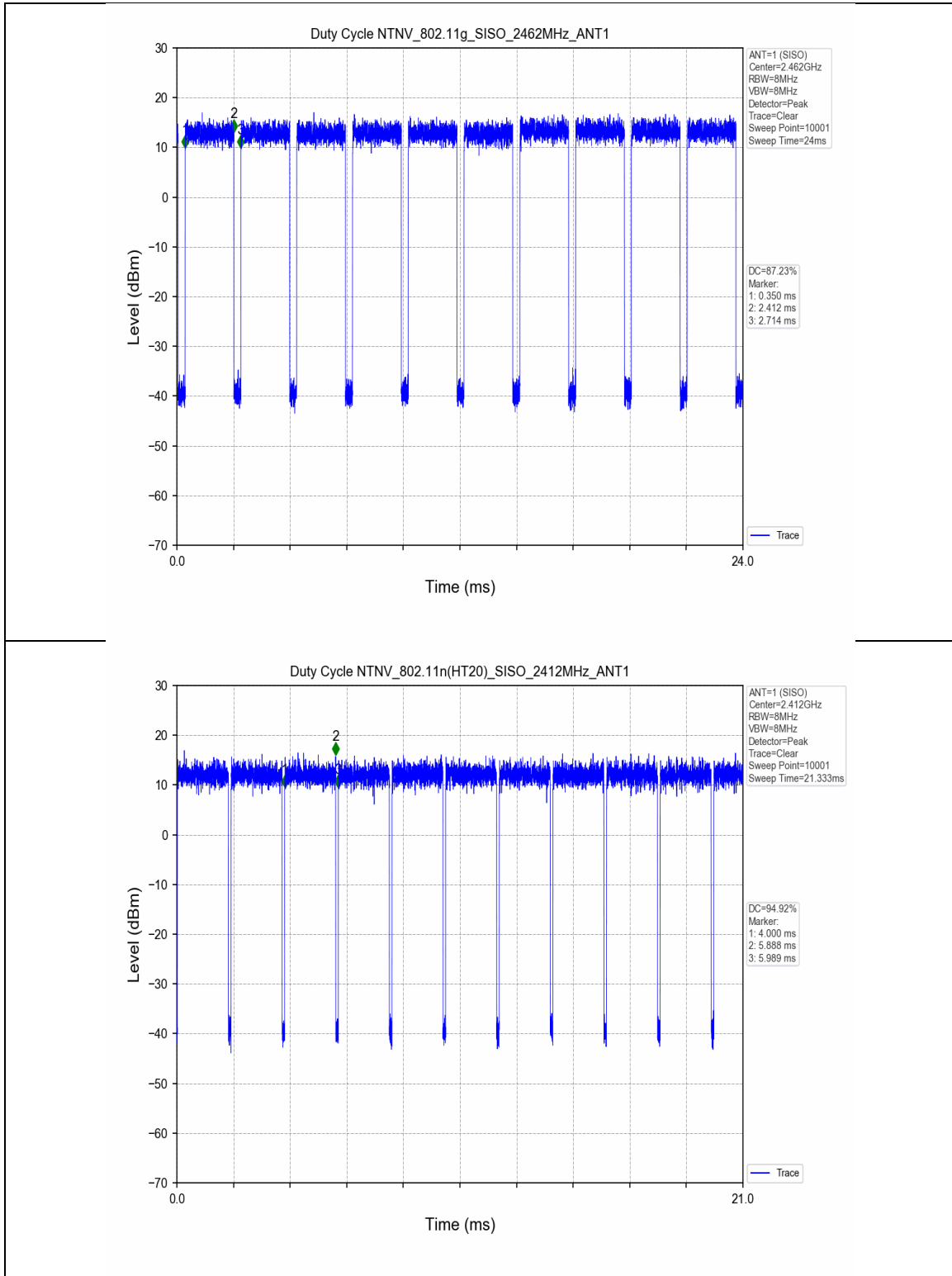
Test Mode	Channel Frequency(M Hz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	12.420	12.710	97.72	0.10
	2437	SISO	1	12.420	12.720	97.64	0.10
	2462	SISO	1	12.420	12.710	97.72	0.10
802.11g	2412	SISO	1	2.034	2.334	87.15	0.60
	2437	SISO	1	2.034	2.334	87.15	0.60
	2462	SISO	1	2.062	2.364	87.23	0.59
802.11n(HT20)	2412	SISO	1	1.888	1.989	94.92	0.23
	2437	SISO	1	1.890	1.991	94.93	0.23
	2462	SISO	1	1.888	1.989	94.92	0.23
802.11n(HT40)	2422	SISO	1	0.664	0.765	86.80	0.61
	2437	SISO	1	0.663	0.765	86.67	0.62
	2452	SISO	1	0.666	0.766	86.95	0.61

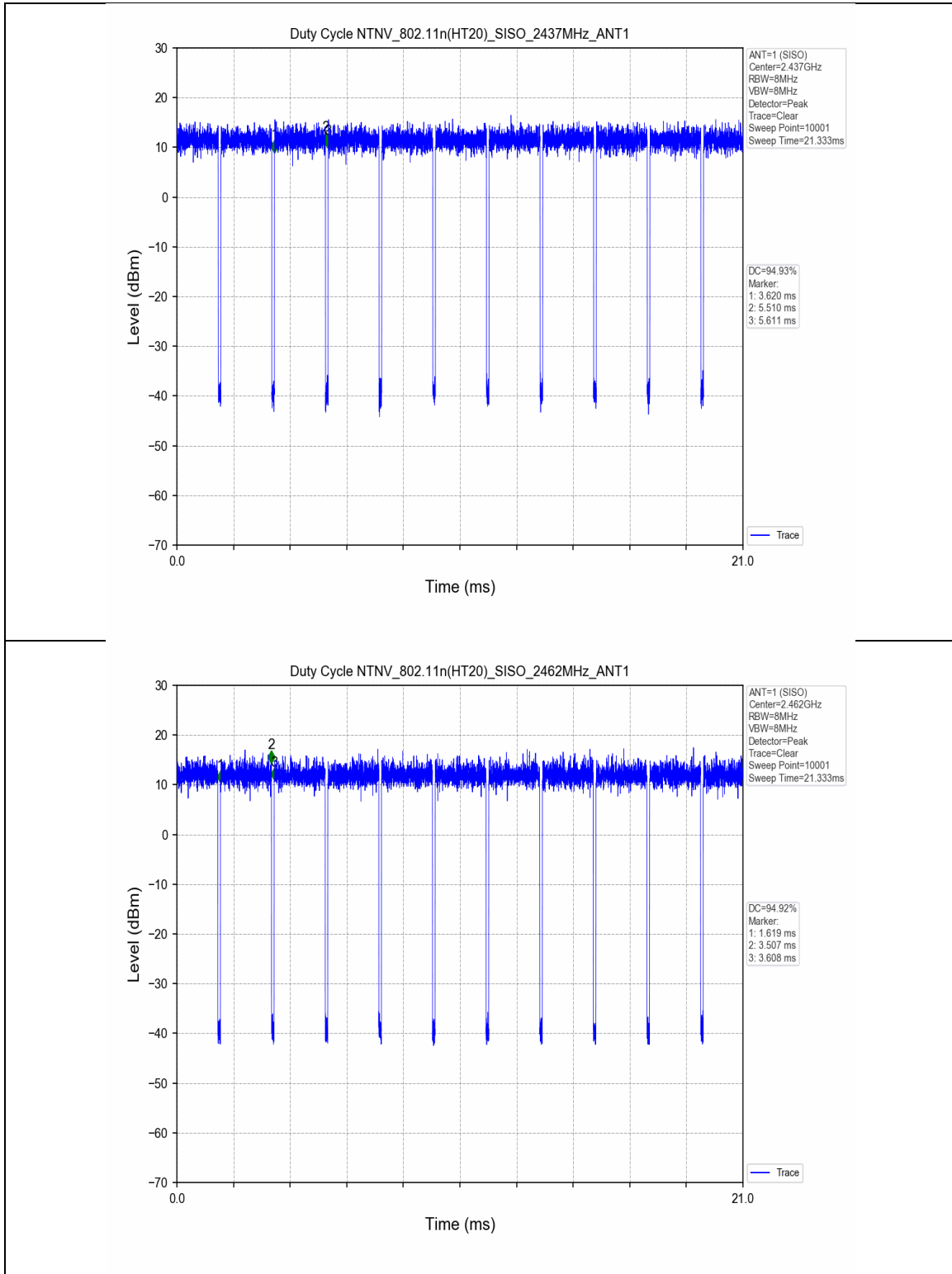
### 1.2 Test Graph

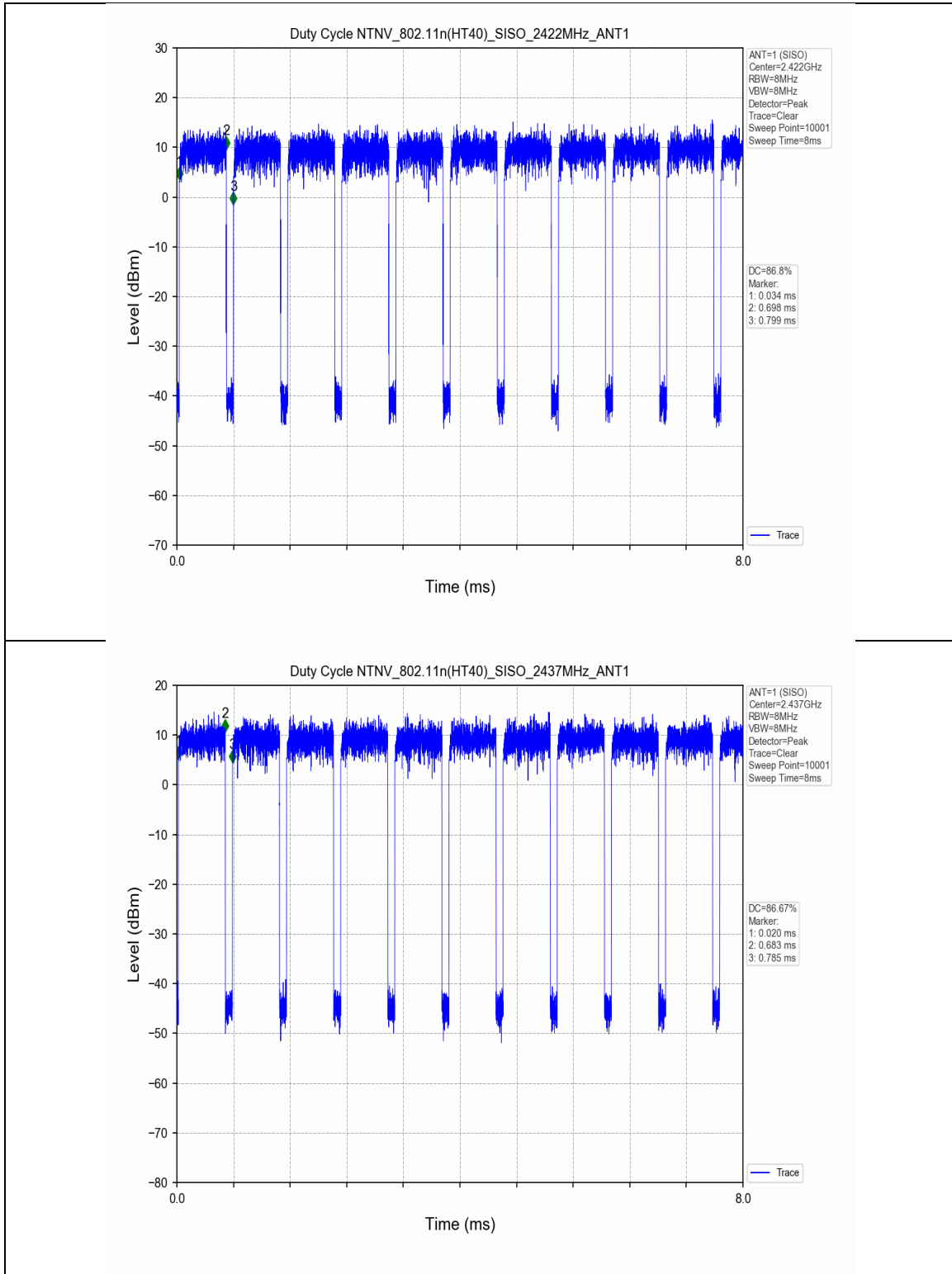


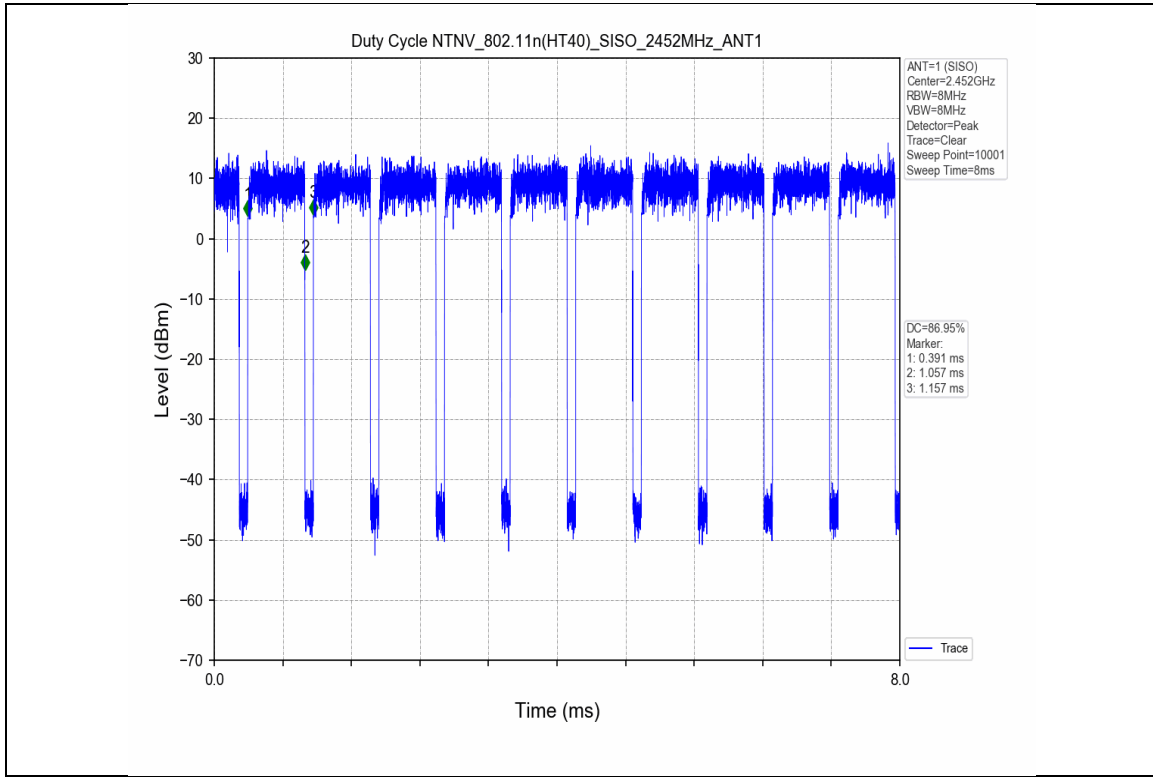












## 2. Bandwidth

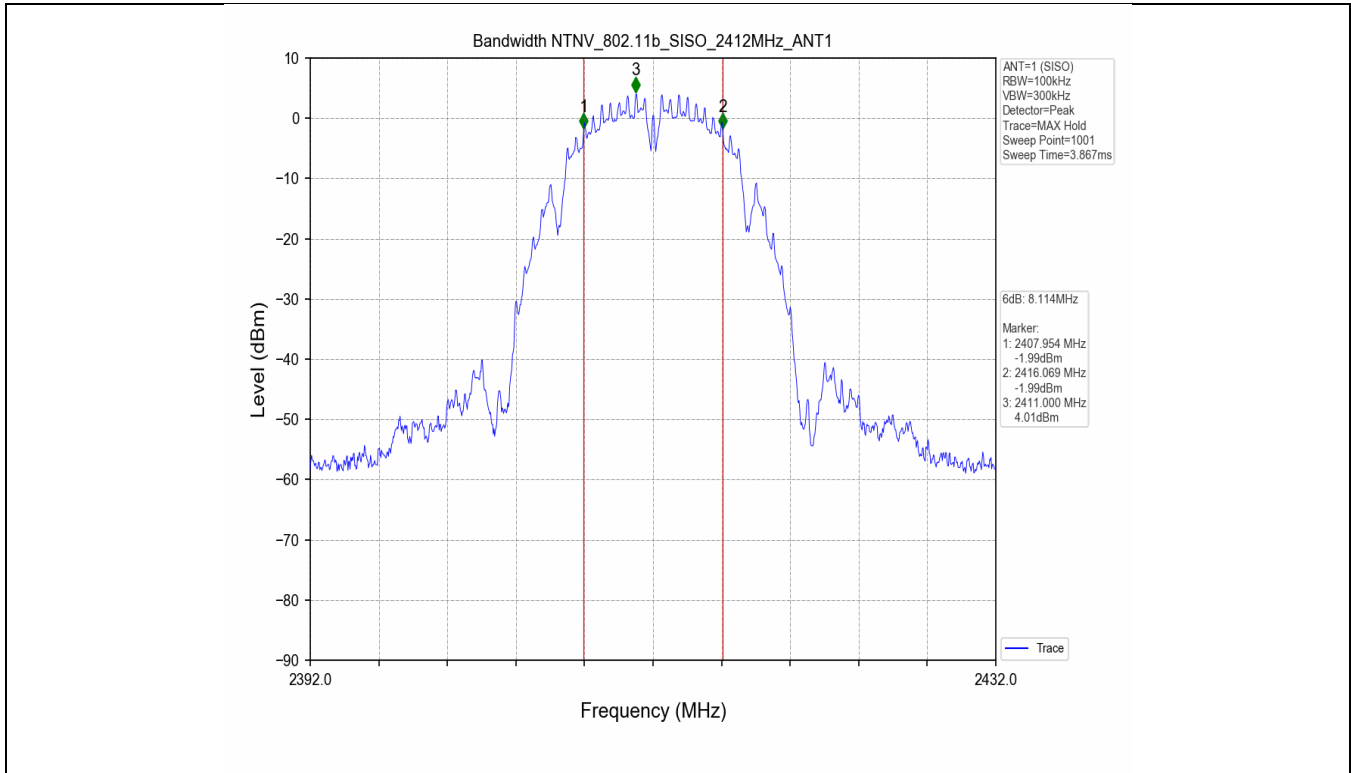
### 2.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth	Verdict
				Test Result (MHz)	
802.11b	2412	SISO	1	8.114	PASS
	2437	SISO	1	8.116	PASS
	2462	SISO	1	8.127	PASS
802.11g	2412	SISO	1	15.143	PASS
	2437	SISO	1	16.330	PASS
	2462	SISO	1	15.432	PASS
802.11n(HT20)	2412	SISO	1	15.152	PASS
	2437	SISO	1	16.983	PASS
	2462	SISO	1	15.124	PASS
802.11n(HT40)	2422	SISO	1	35.322	PASS
	2437	SISO	1	35.332	PASS
	2452	SISO	1	35.592	PASS

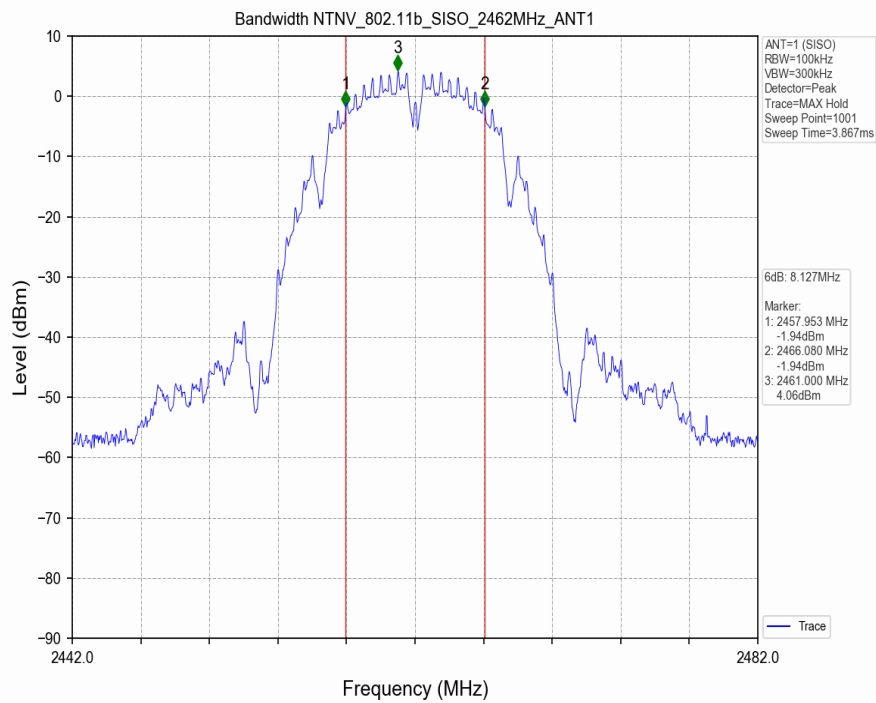
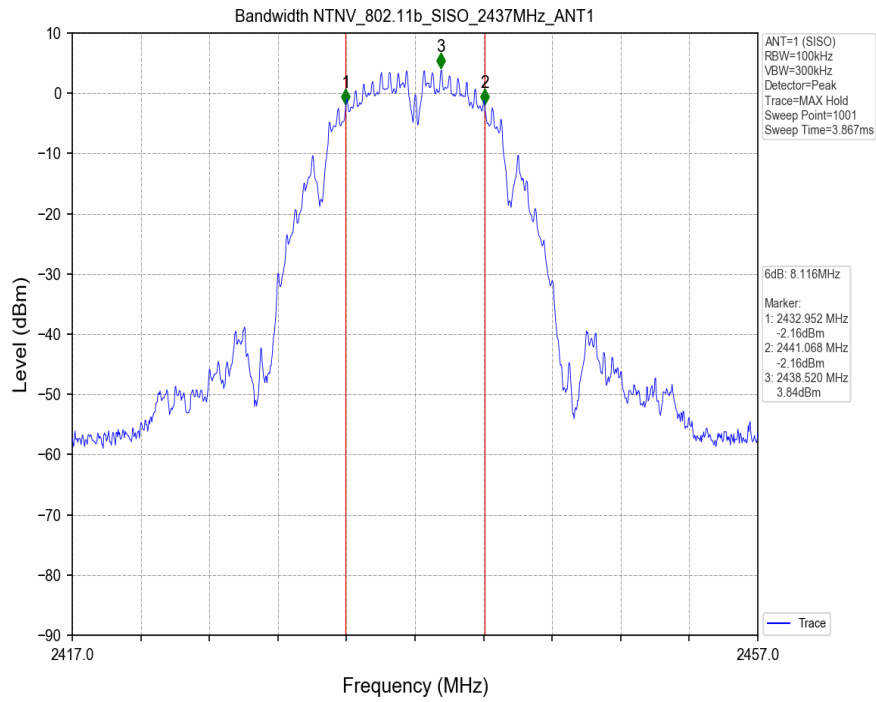
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	10.943	Only for Report Use
	2437	SISO	1	11.086	Only for Report Use
	2462	SISO	1	11.398	Only for Report Use
802.11g	2412	SISO	1	16.544	Only for Report Use
	2437	SISO	1	16.831	Only for Report Use
	2462	SISO	1	16.588	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.694	Only for Report Use

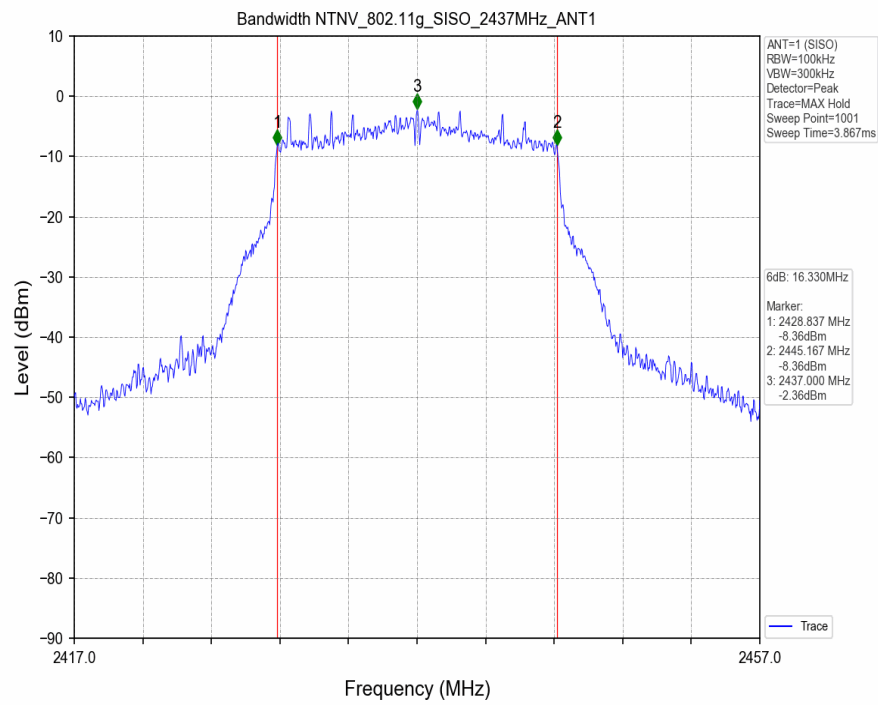
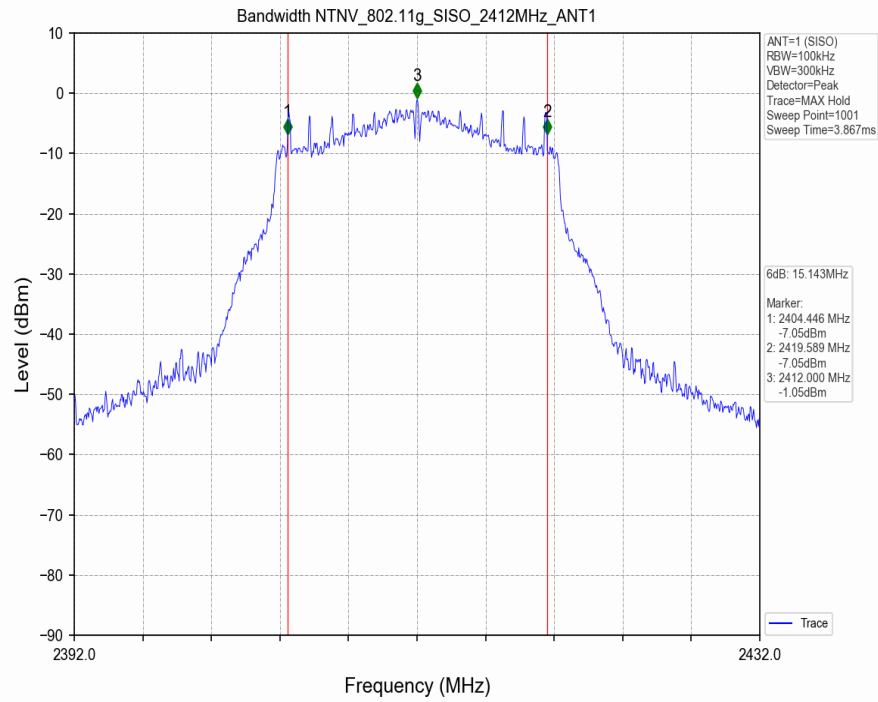
802.11n(HT40)	2437	SISO	1	17.934	Only for Report Use
	2462	SISO	1	17.710	Only for Report Use
	2422	SISO	1	36.171	Only for Report Use
	2437	SISO	1	36.484	Only for Report Use
	2452	SISO	1	36.539	Only for Report Use

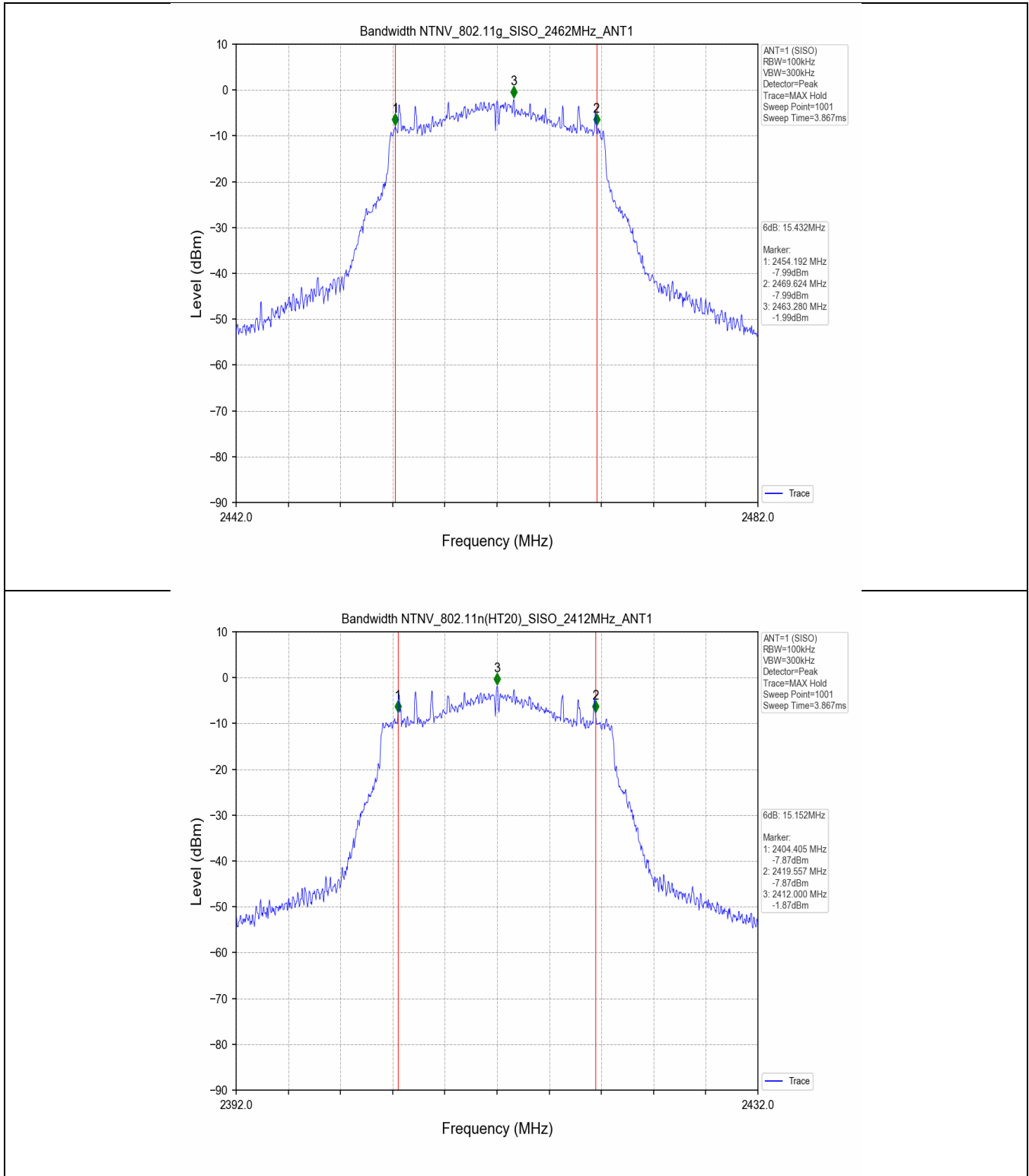
## 2.2 Test Graph - 6dB Bandwidth

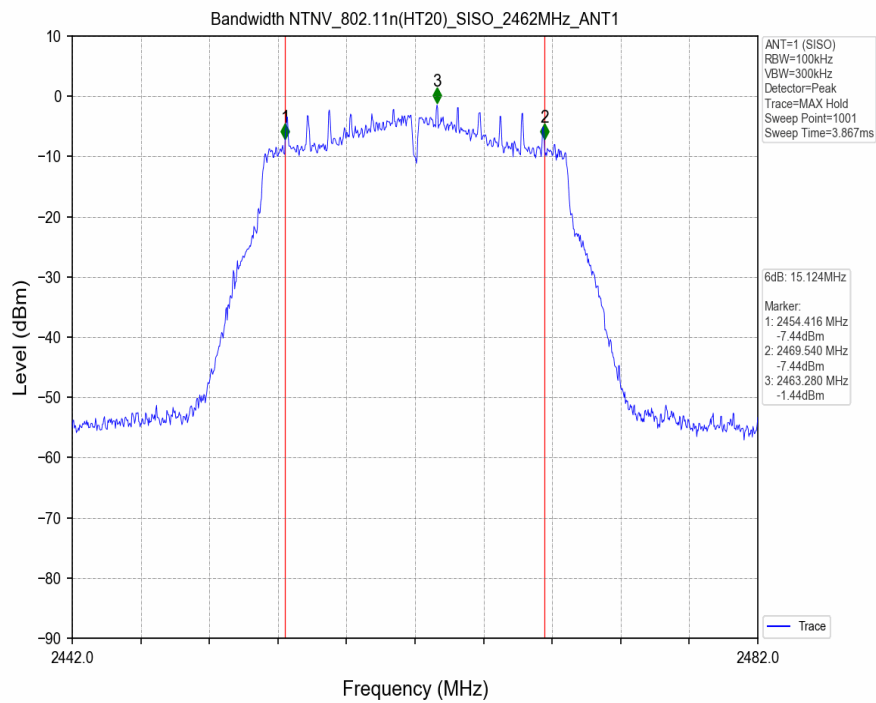
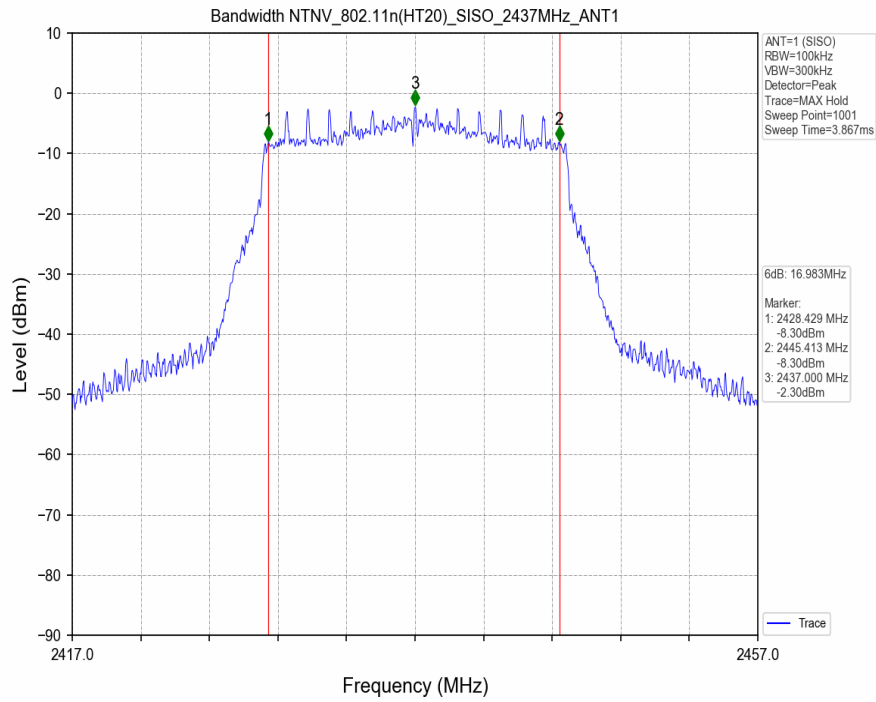


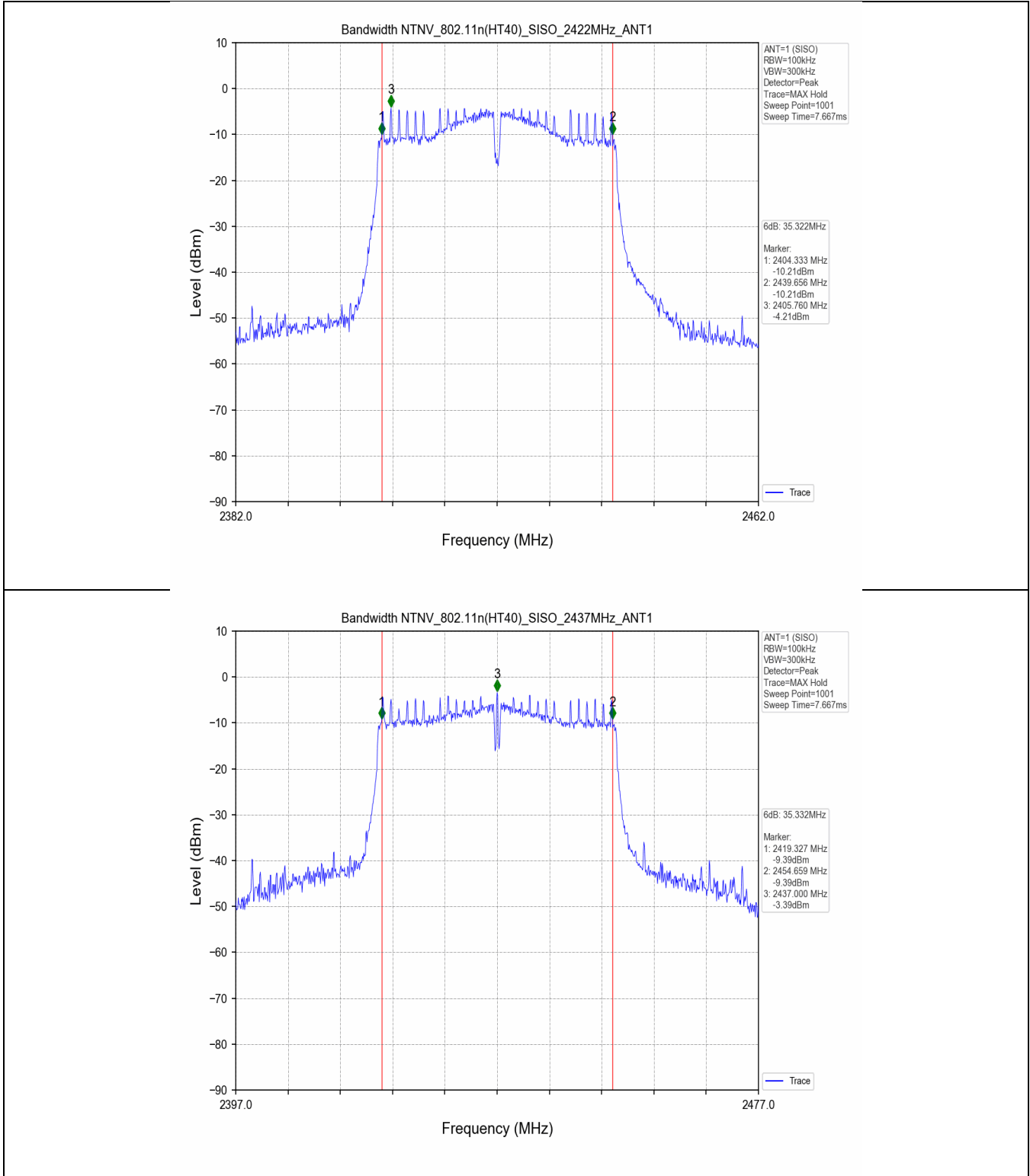


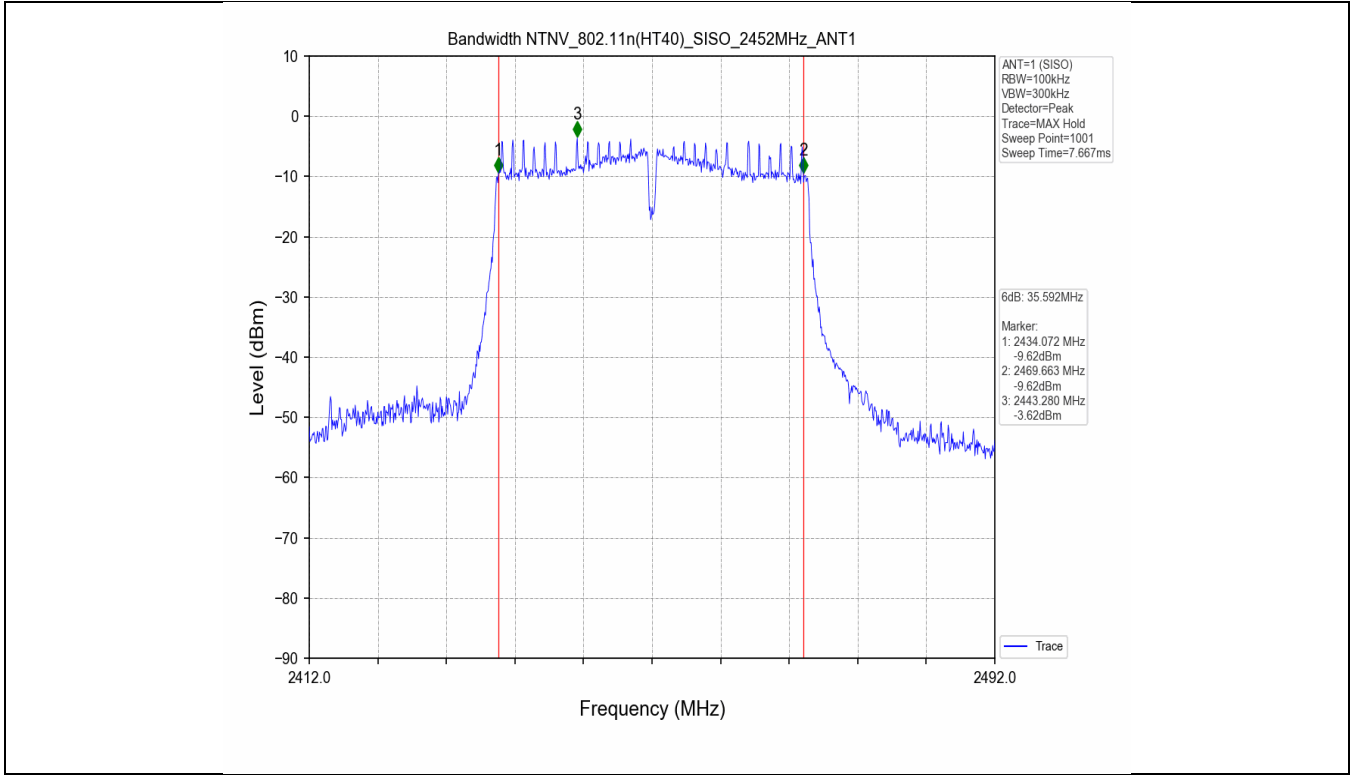




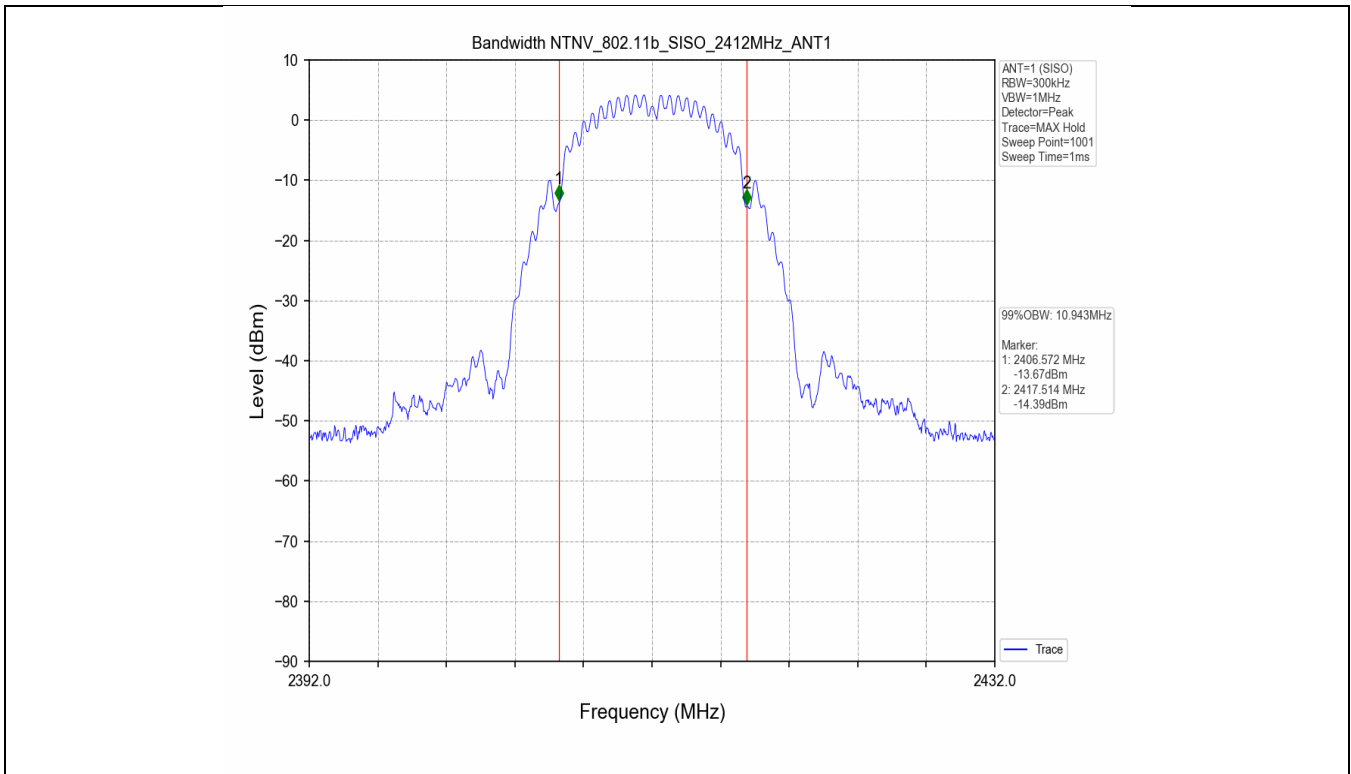


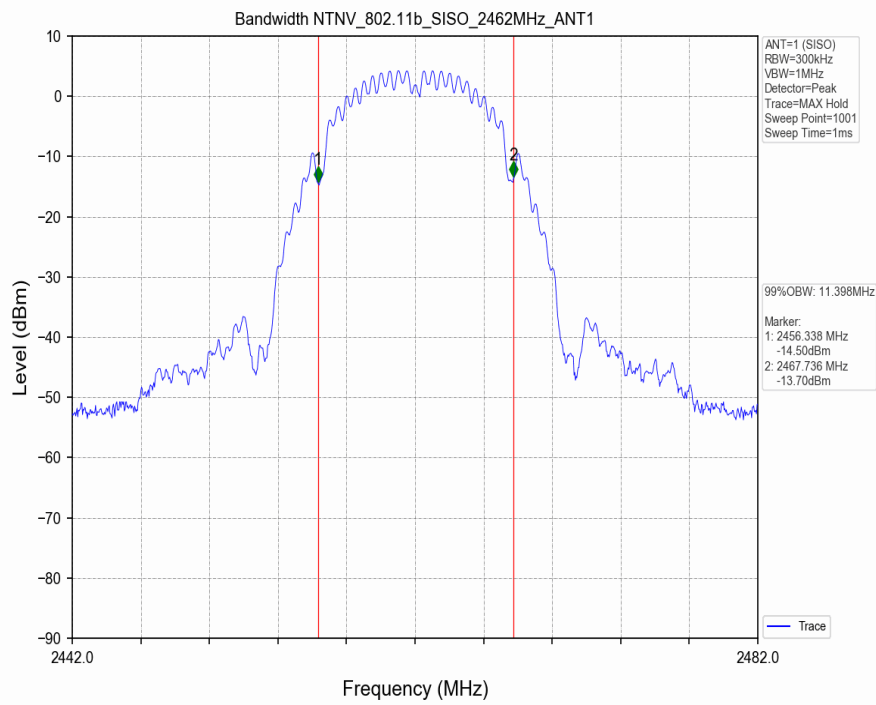
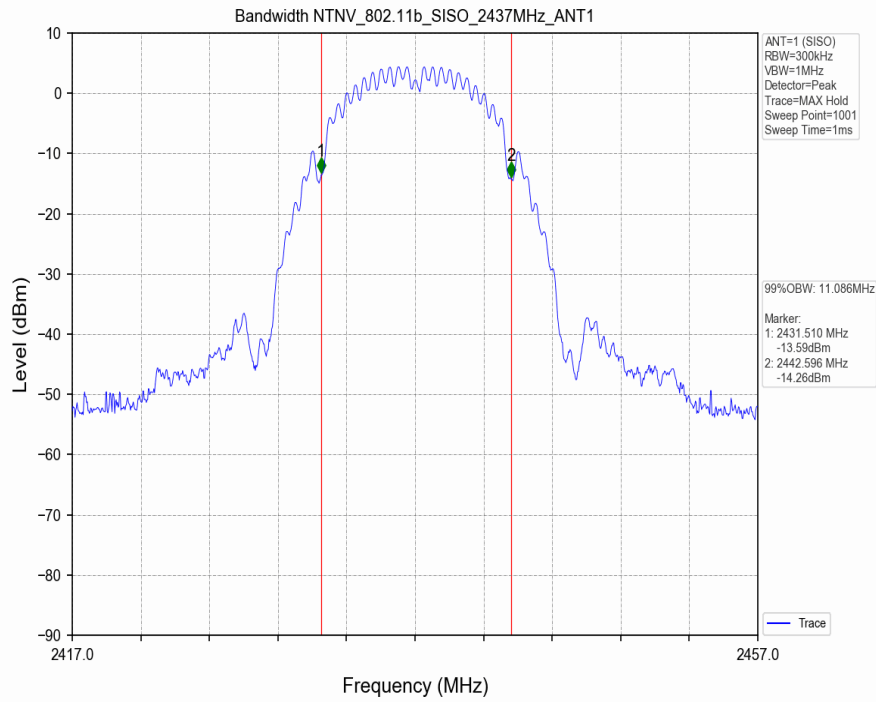


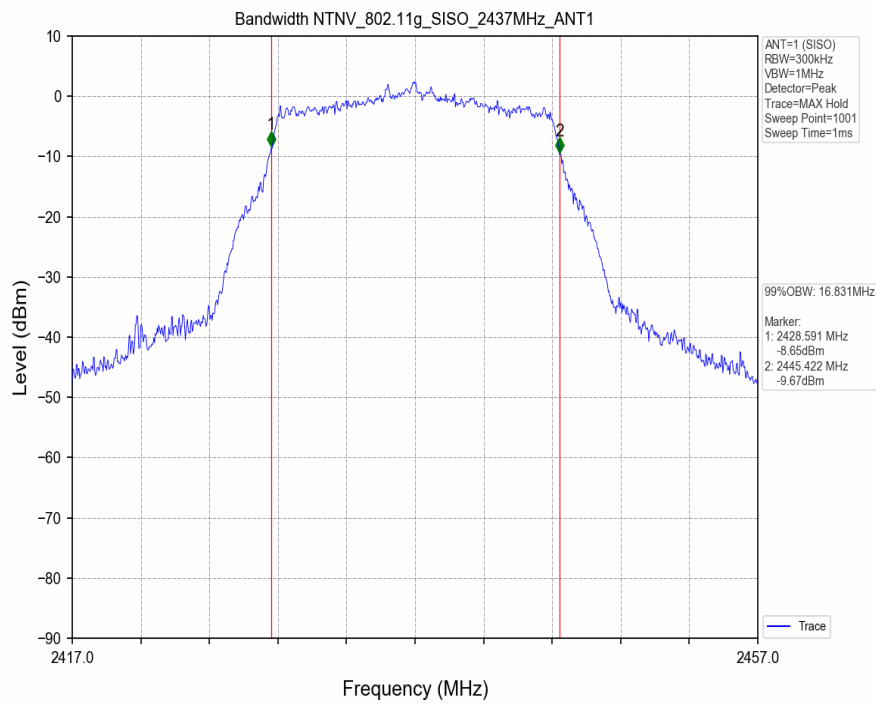
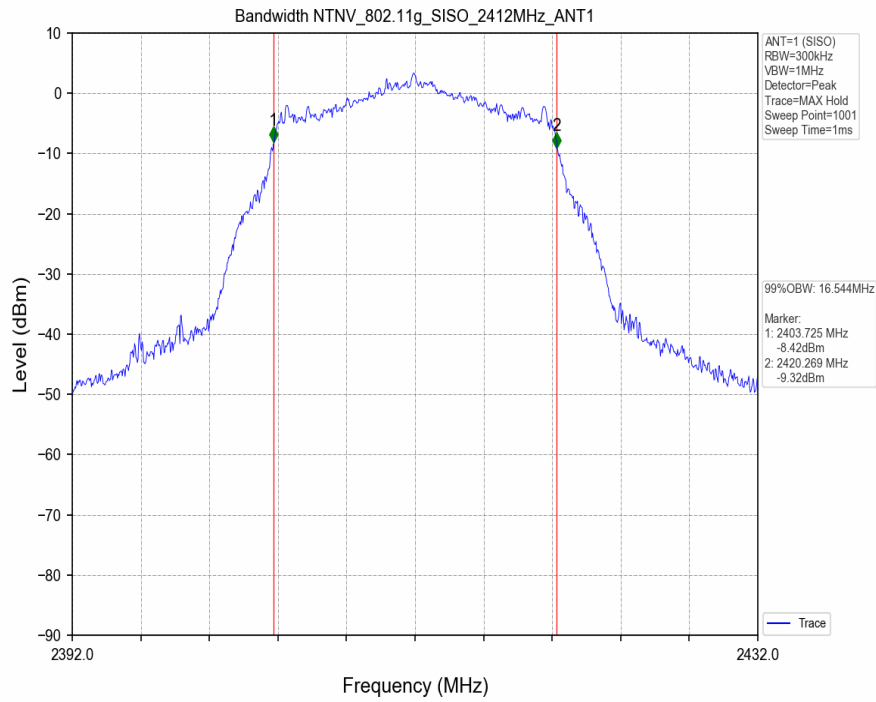




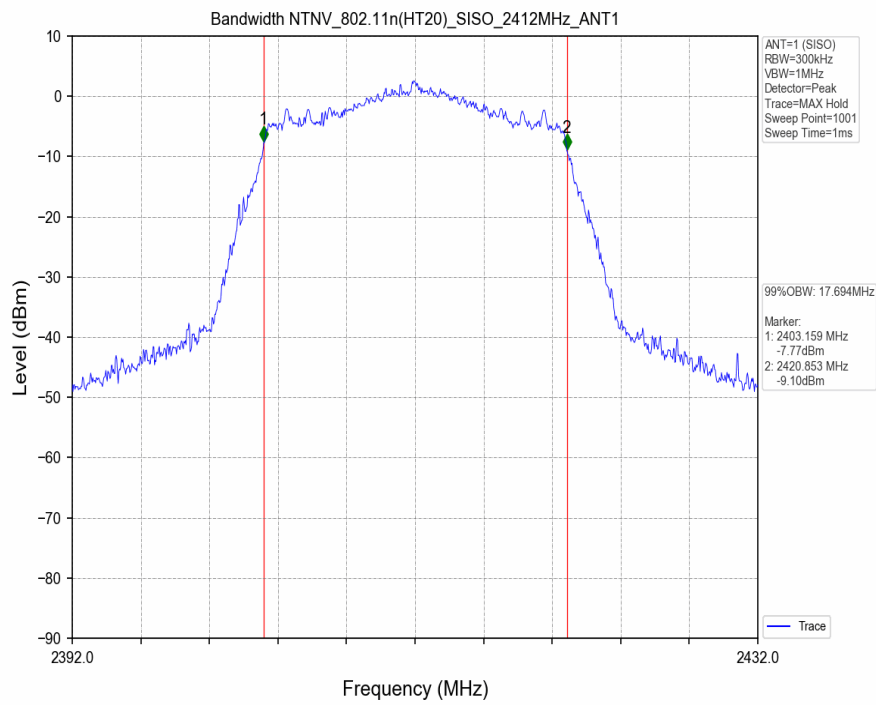
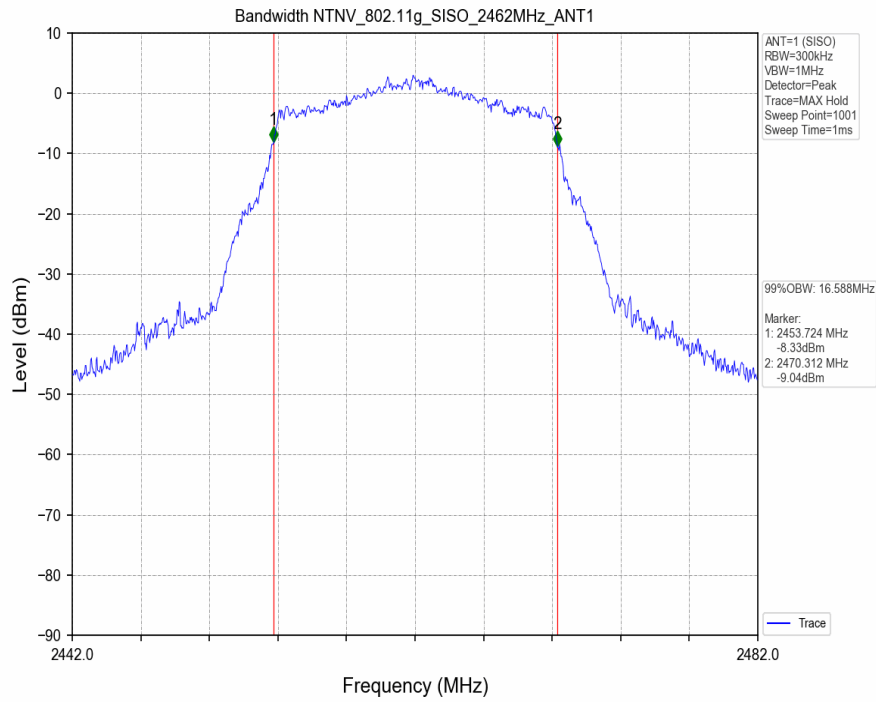
2.3 Test Graph - 99% Occupied Bandwidth

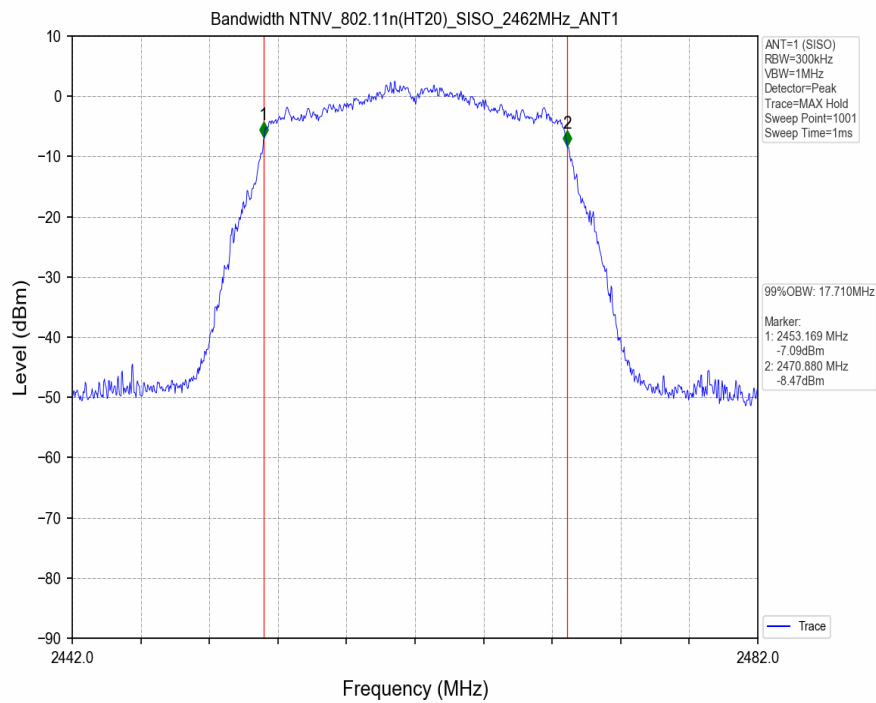
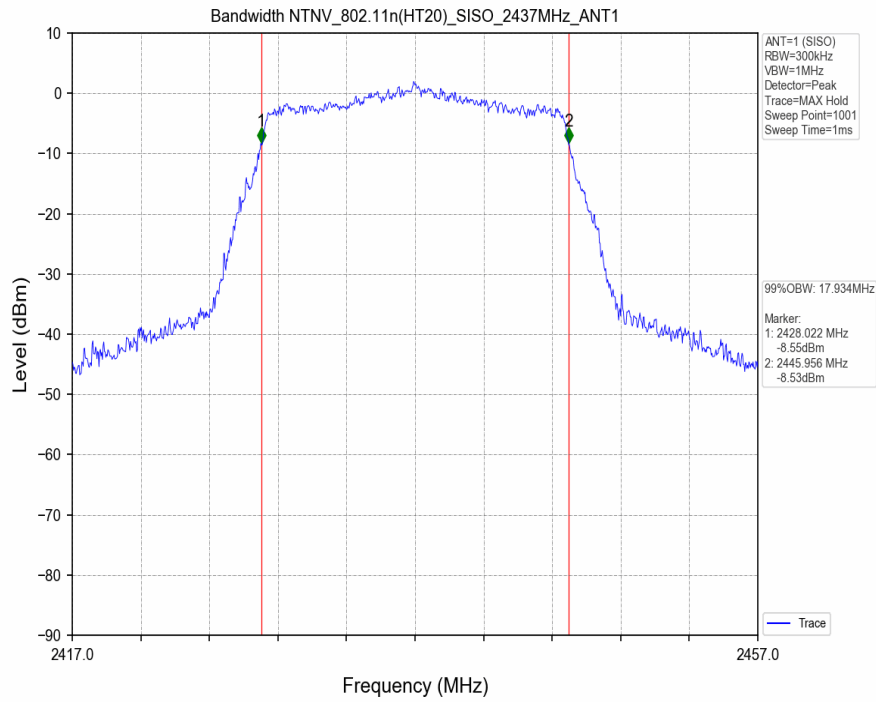


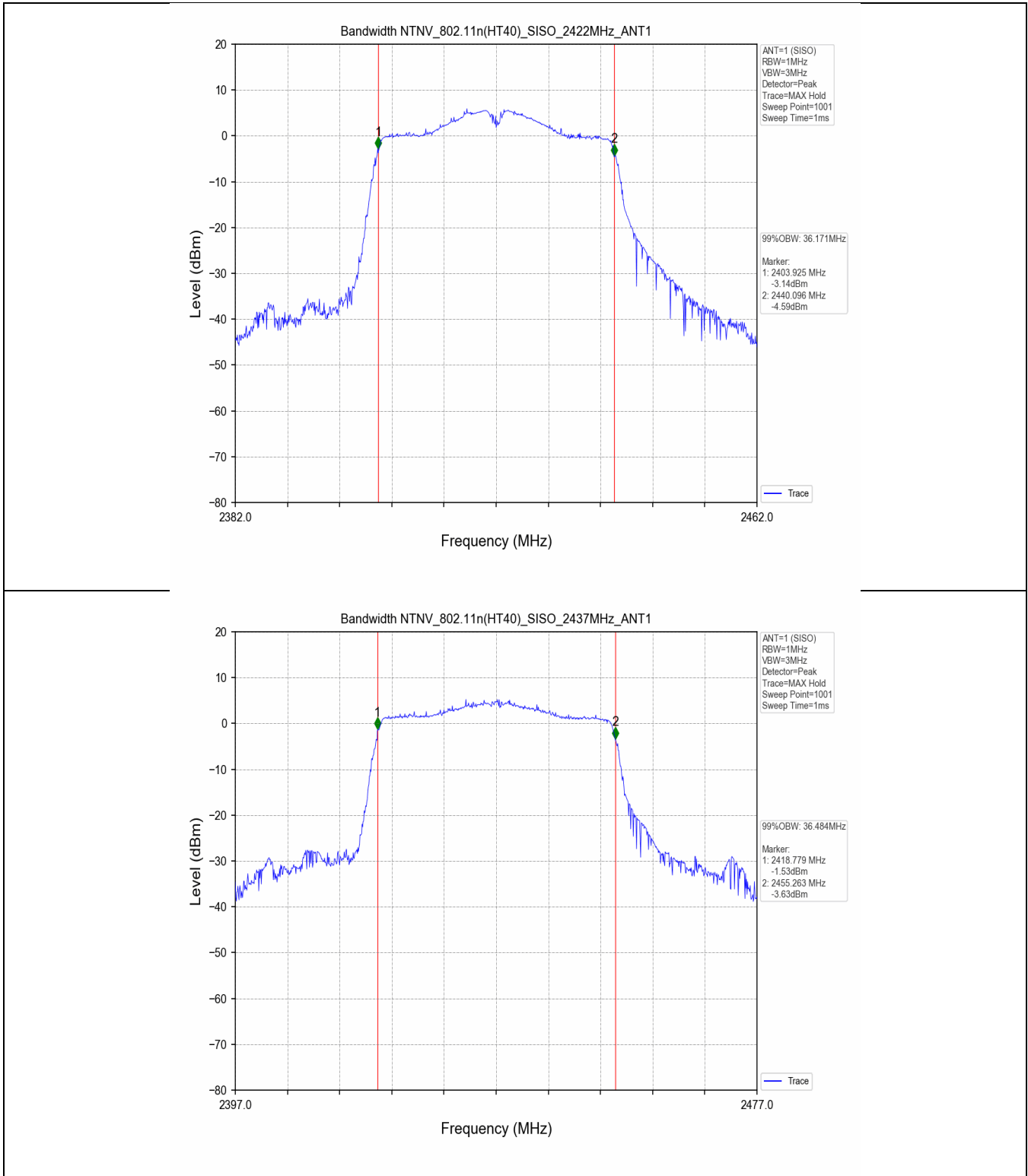


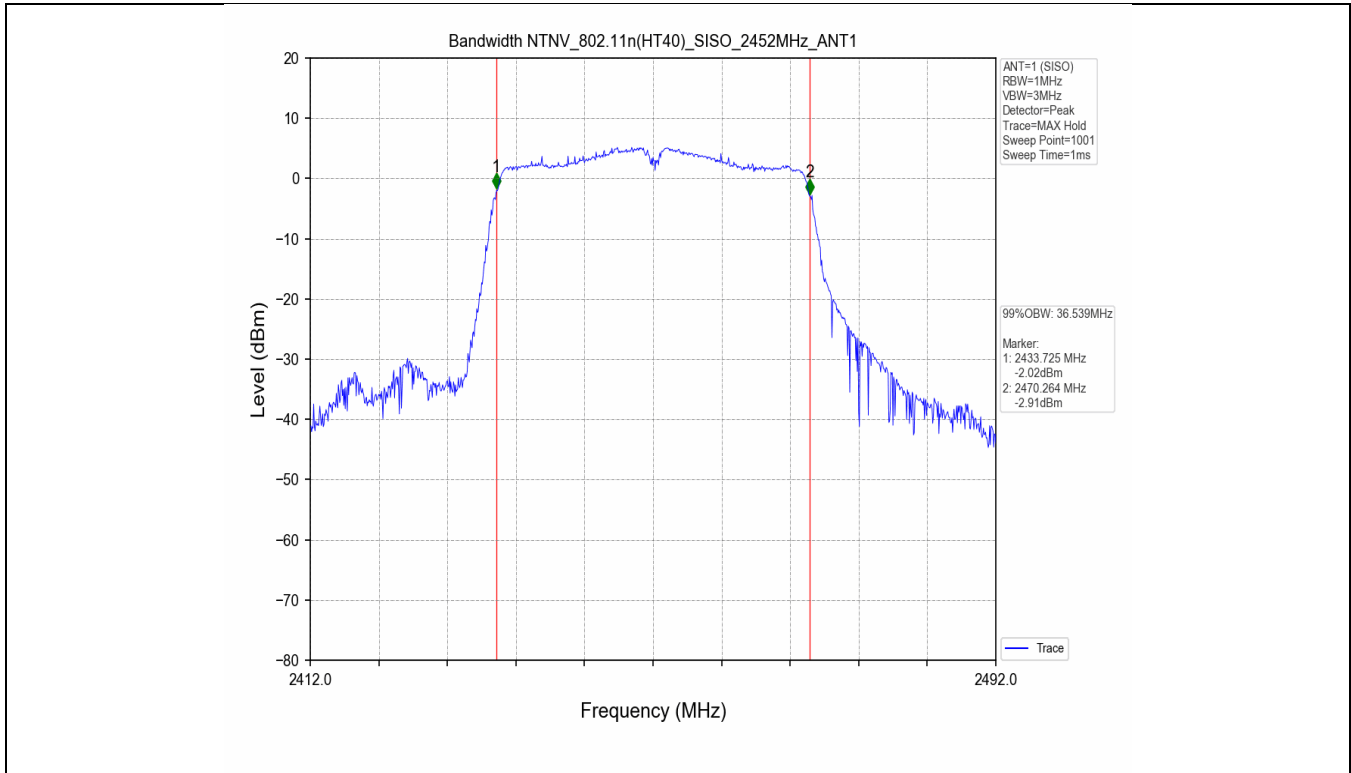










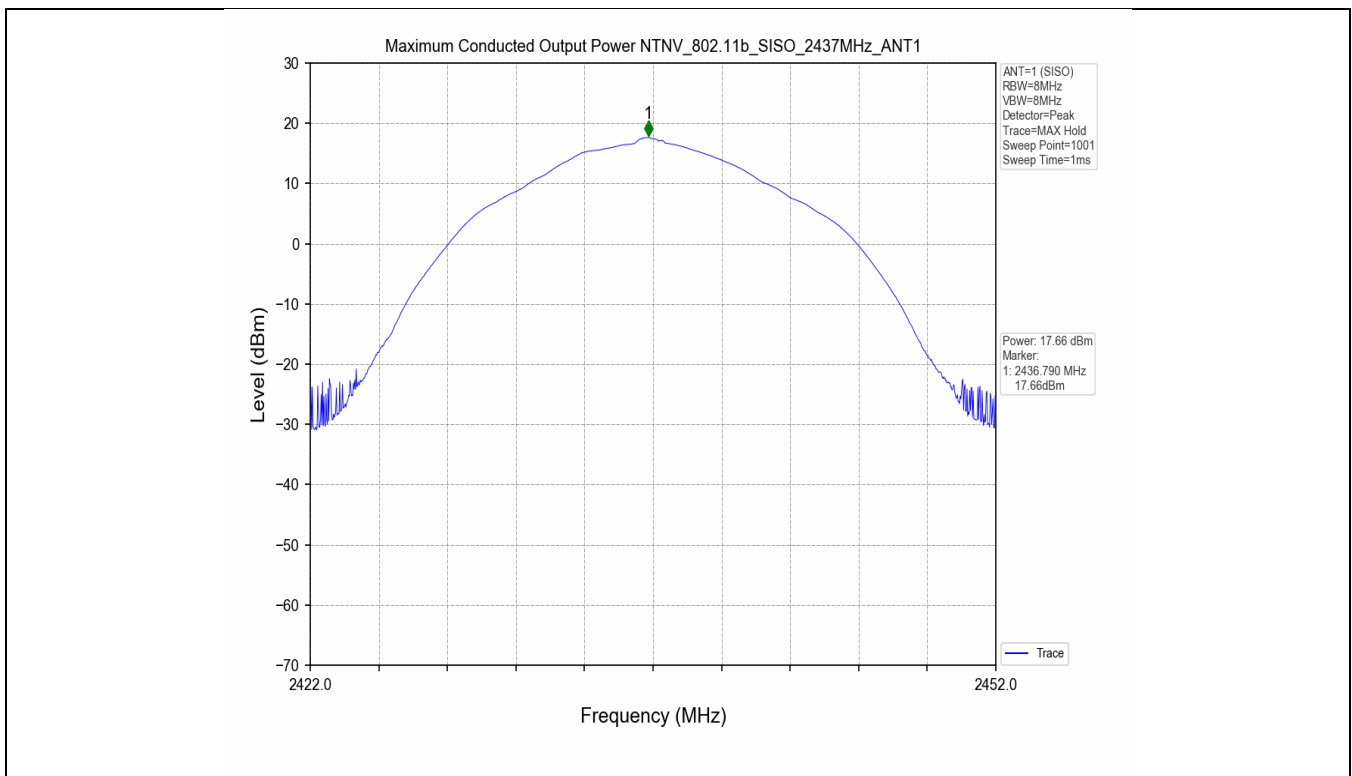
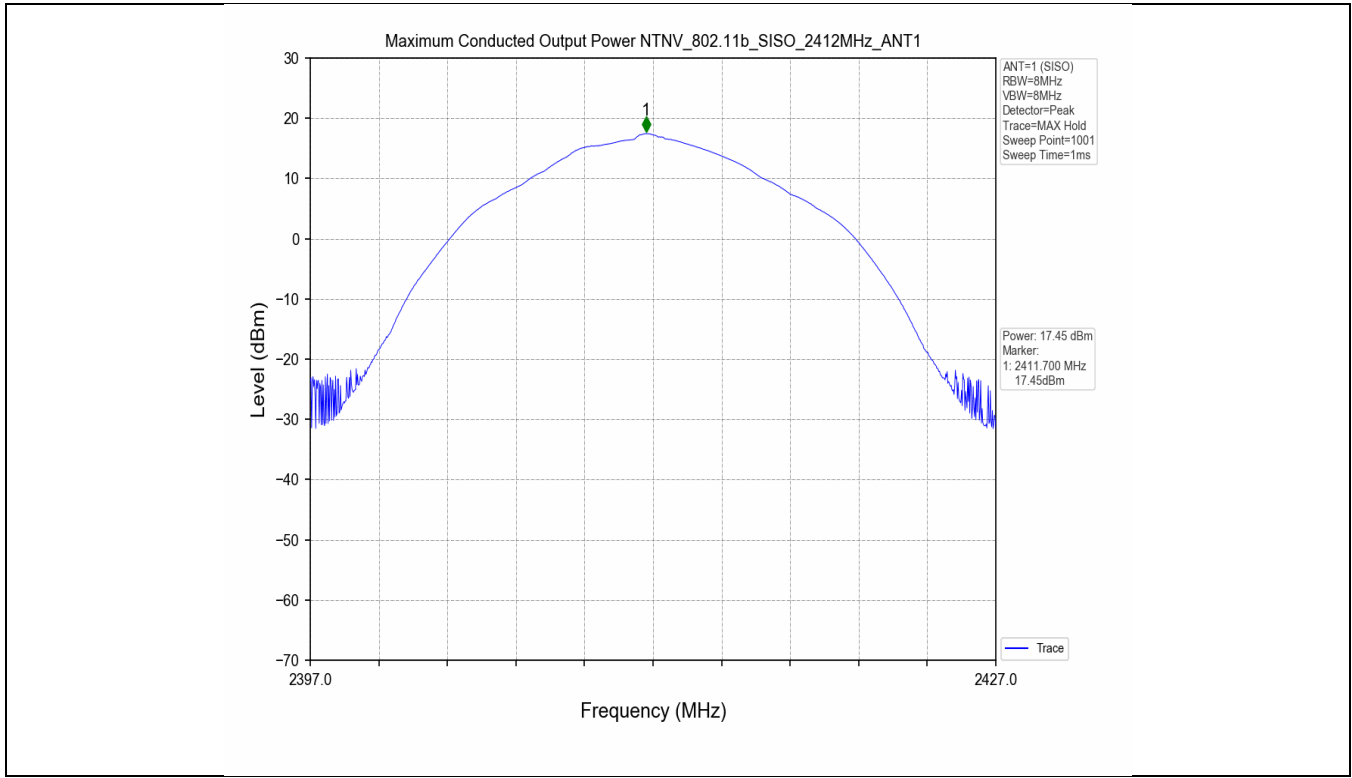


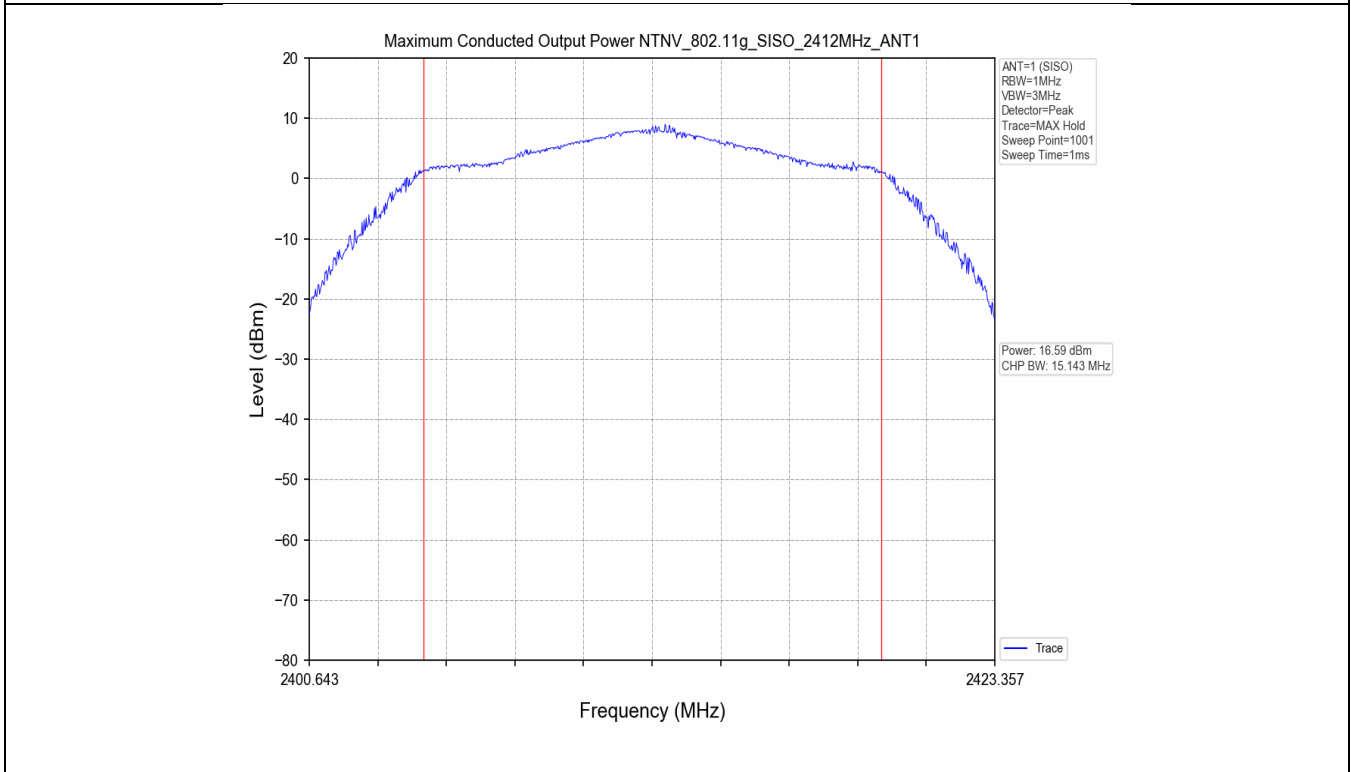
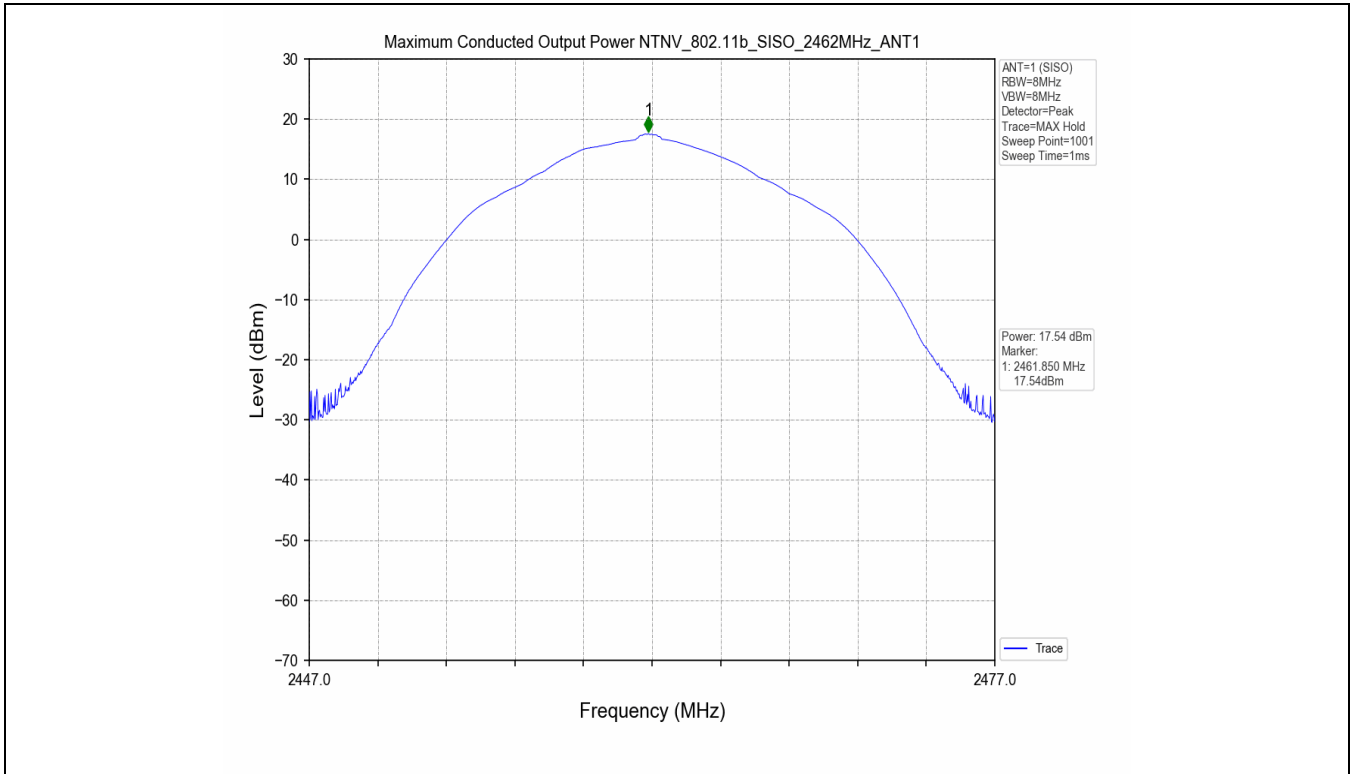
### 3. Maximum Conducted Output Power

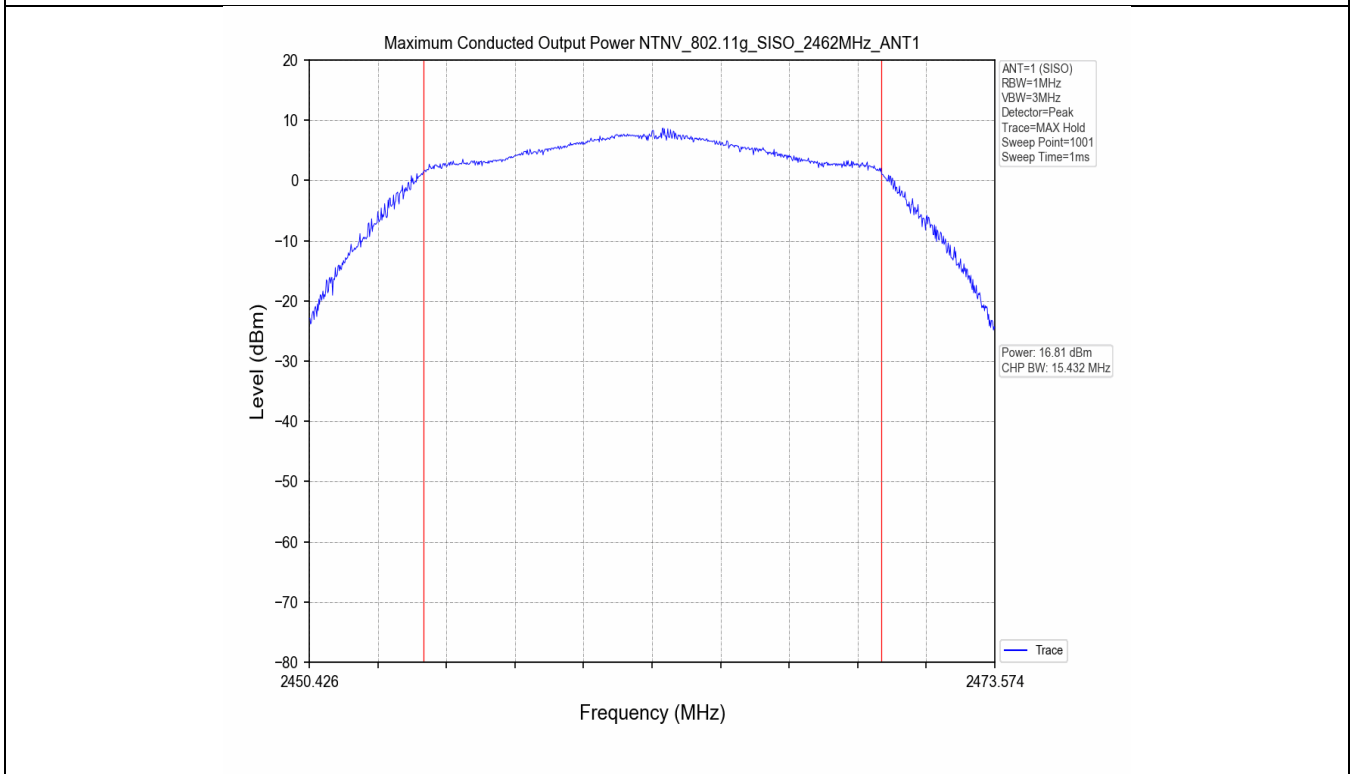
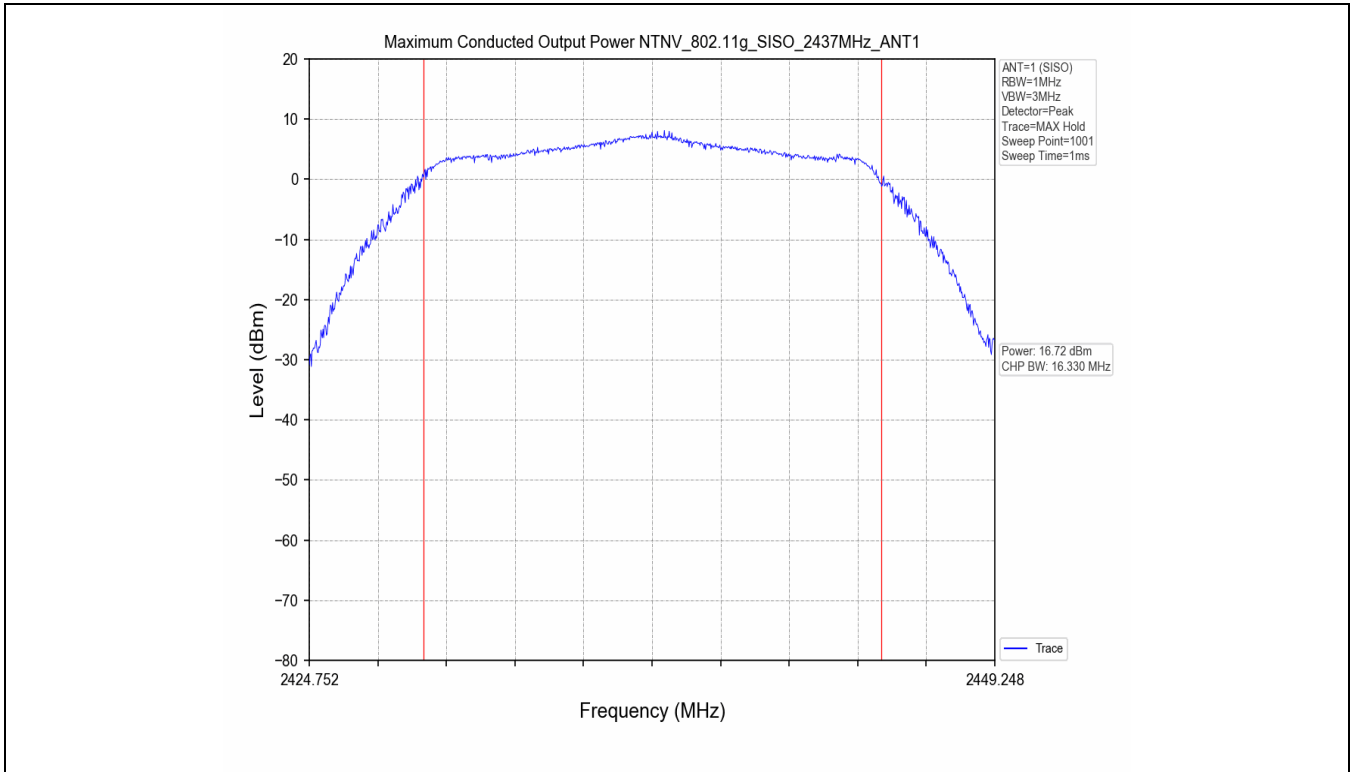
#### 3.1 Test Result

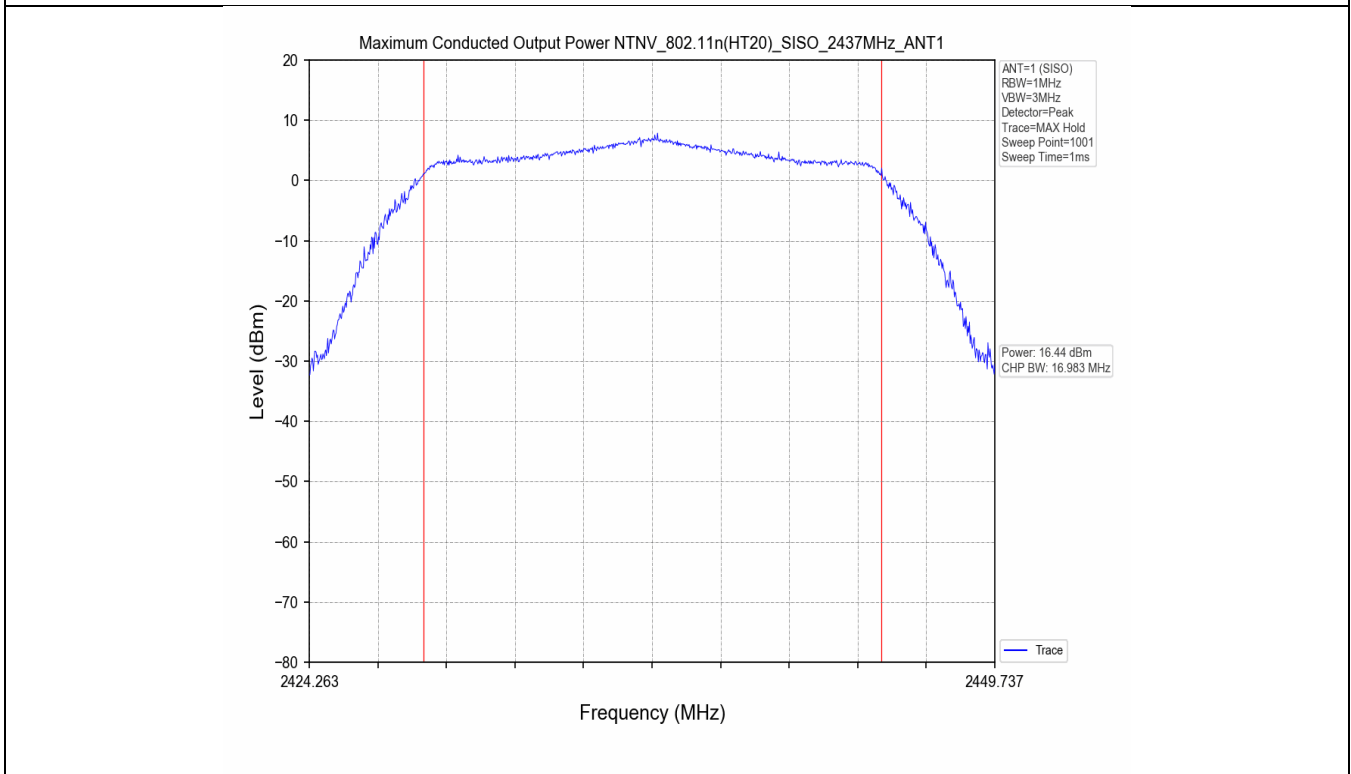
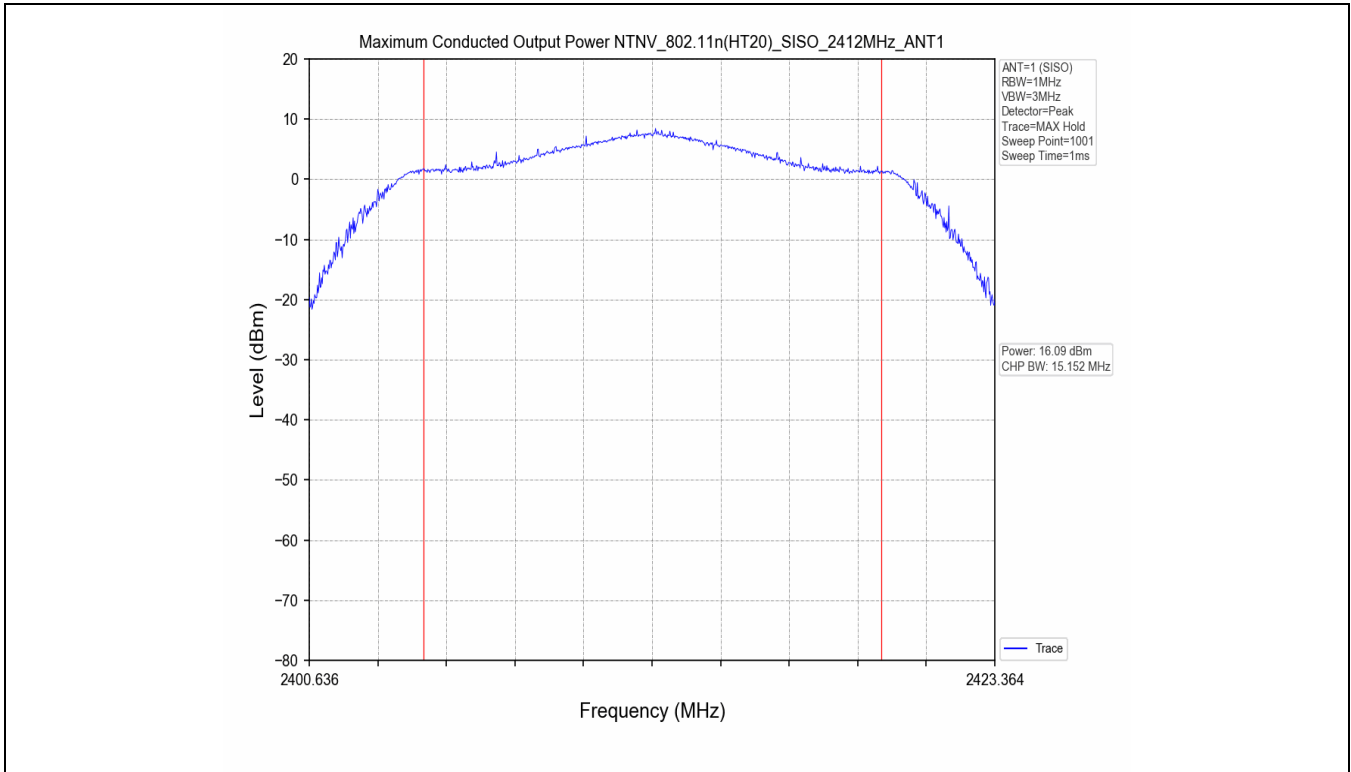
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	17.45	30	PASS
	2437	SISO	17.66	30	PASS
	2462	SISO	17.54	30	PASS
802.11g	2412	SISO	16.59	30	PASS
	2437	SISO	16.72	30	PASS
	2462	SISO	16.81	30	PASS
802.11n(HT20)	2412	SISO	16.09	30	PASS
	2437	SISO	16.44	30	PASS
	2462	SISO	16.54	30	PASS
802.11n(HT40)	2422	SISO	17.59	30	PASS
	2437	SISO	17.63	30	PASS
	2452	SISO	18.05	30	PASS

#### 3.2 Test Graph

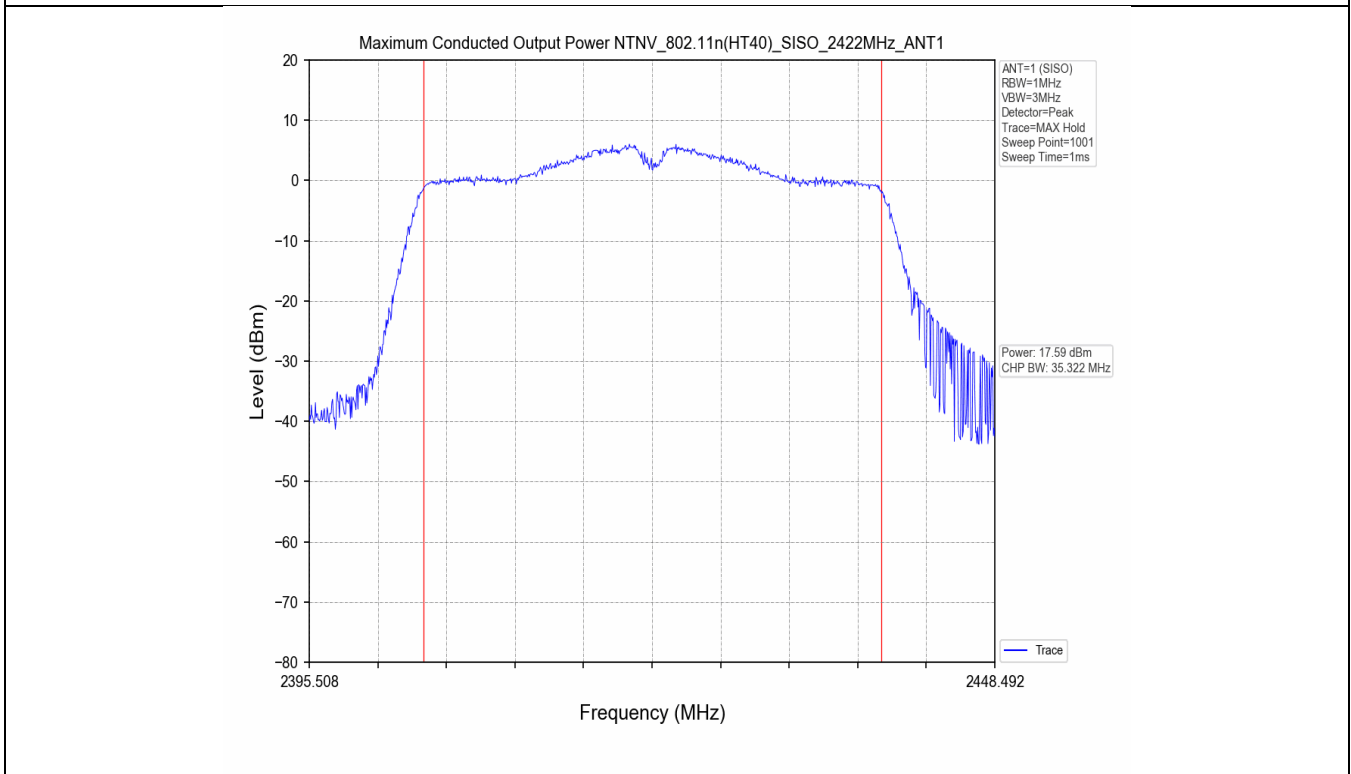
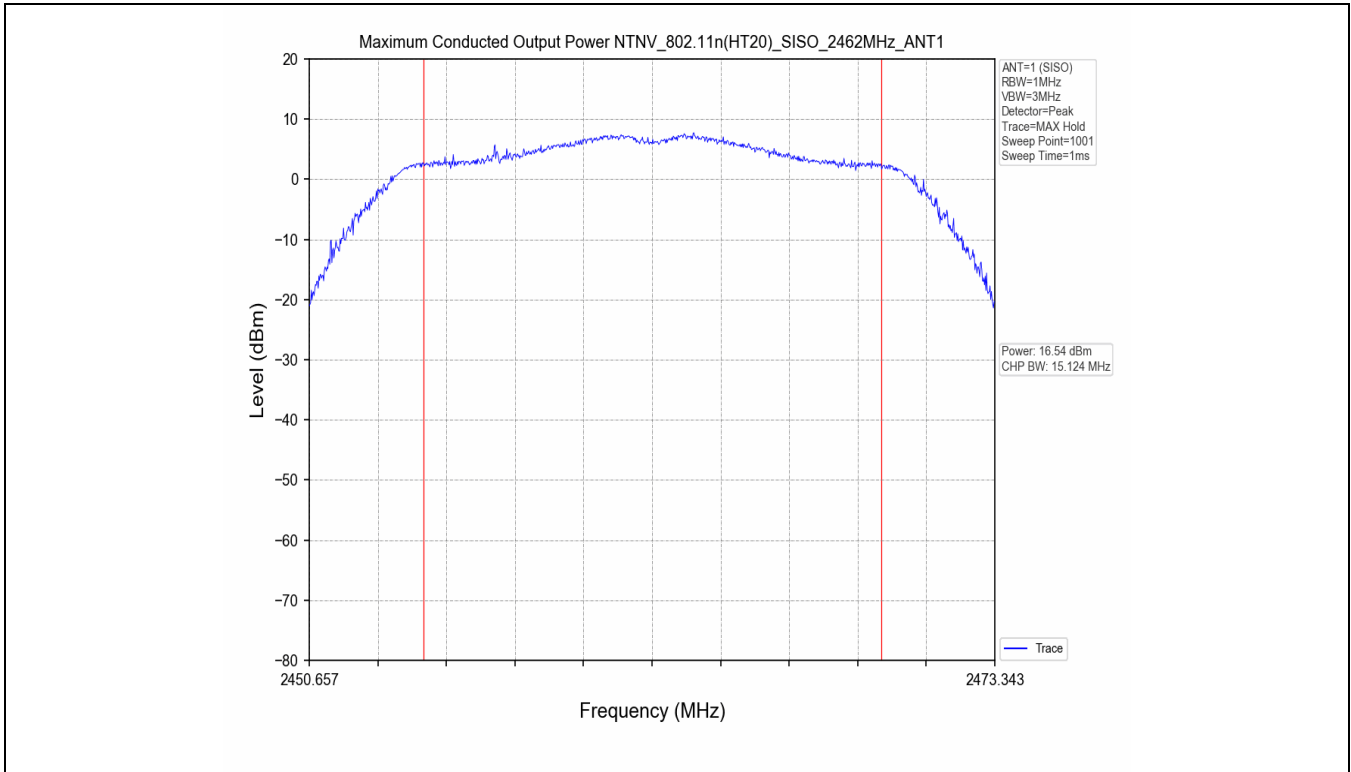


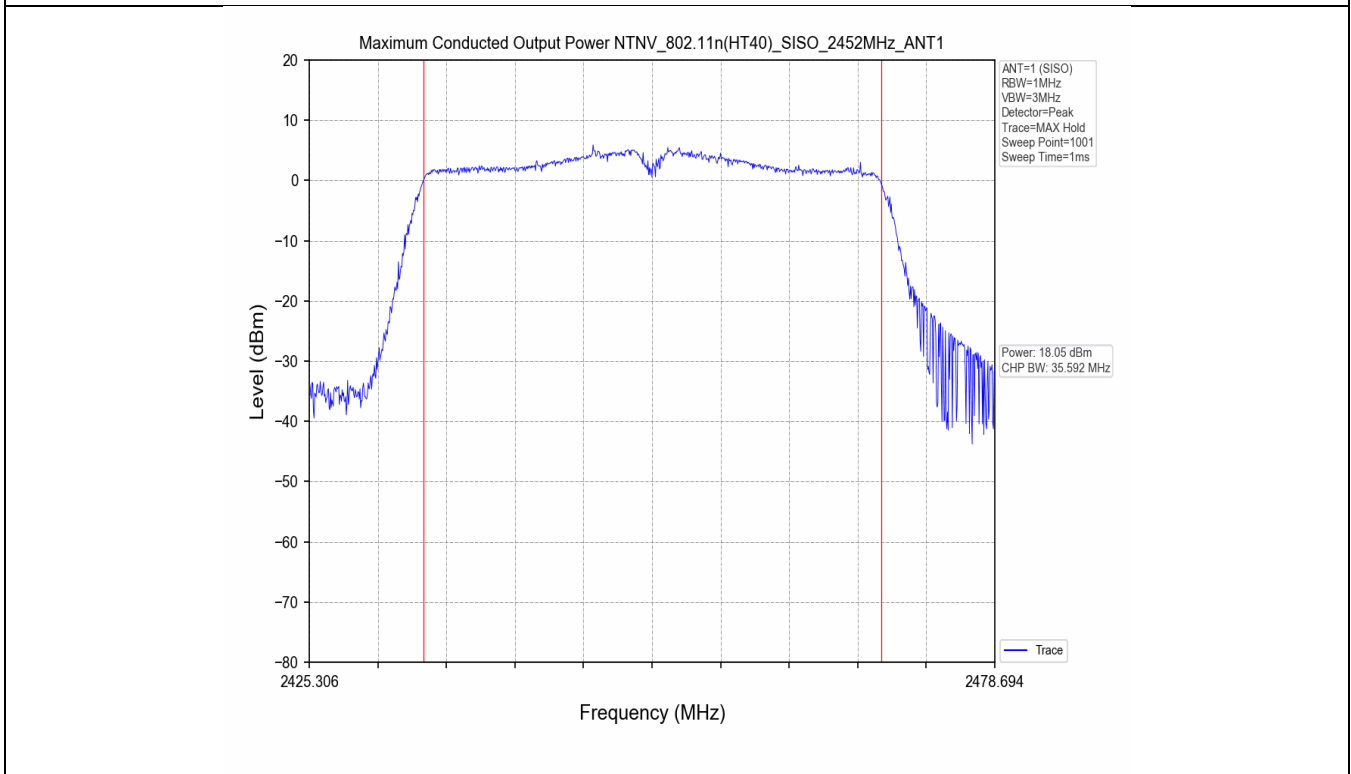
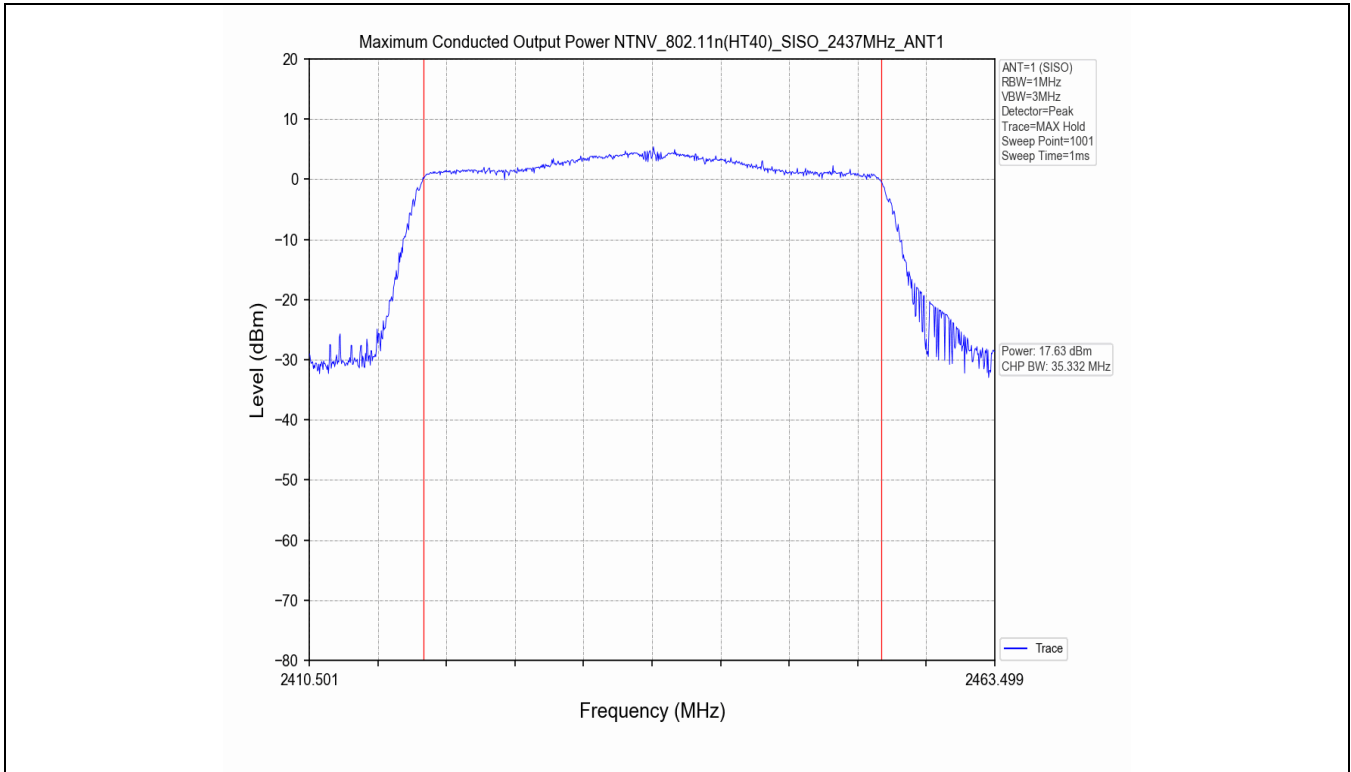










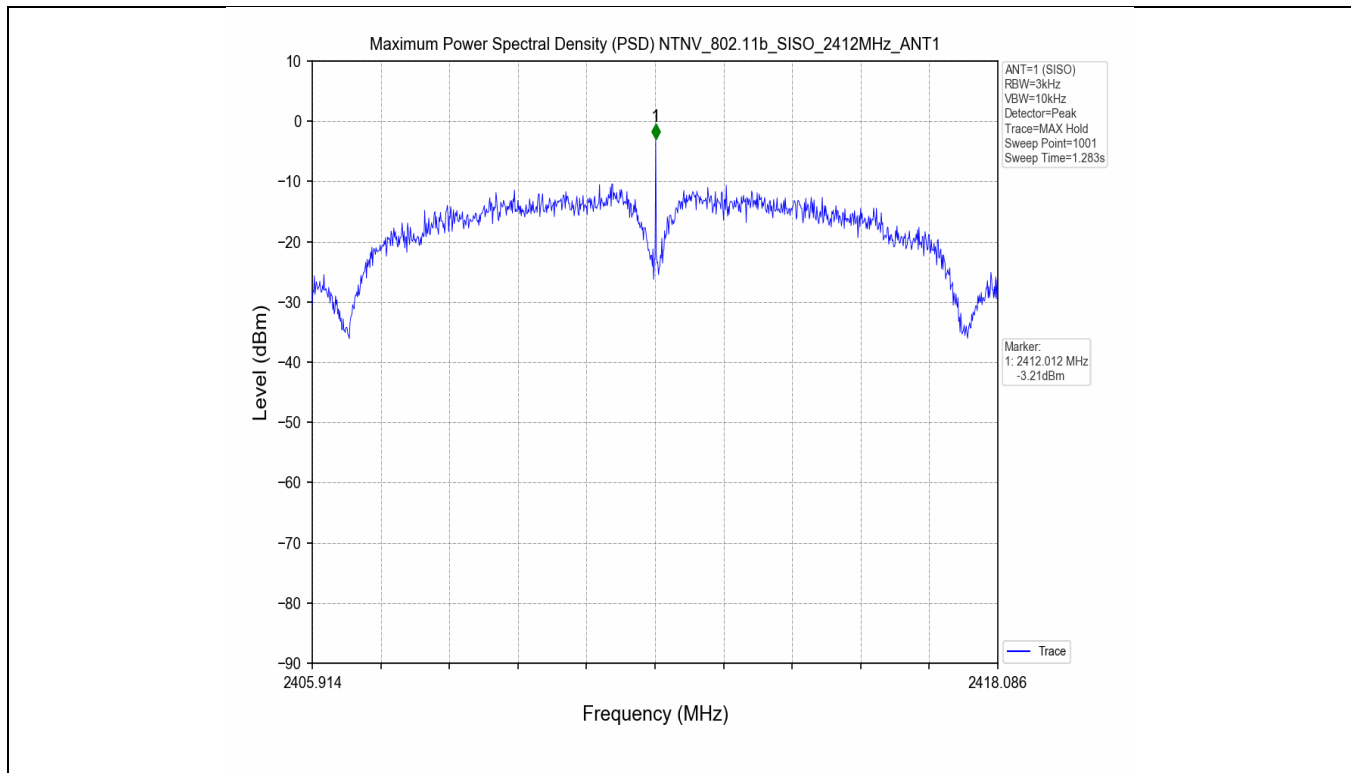


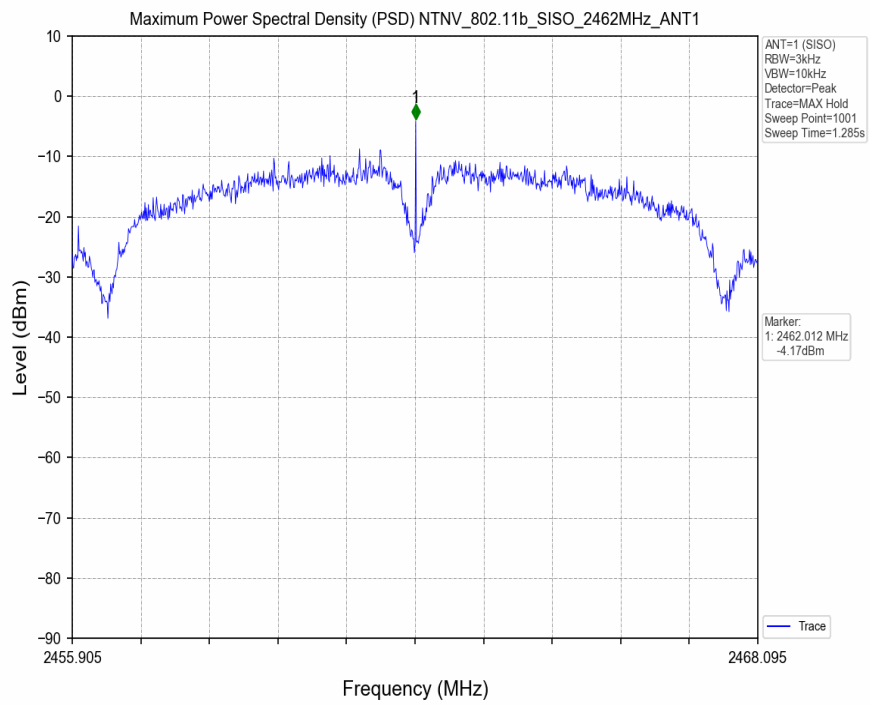
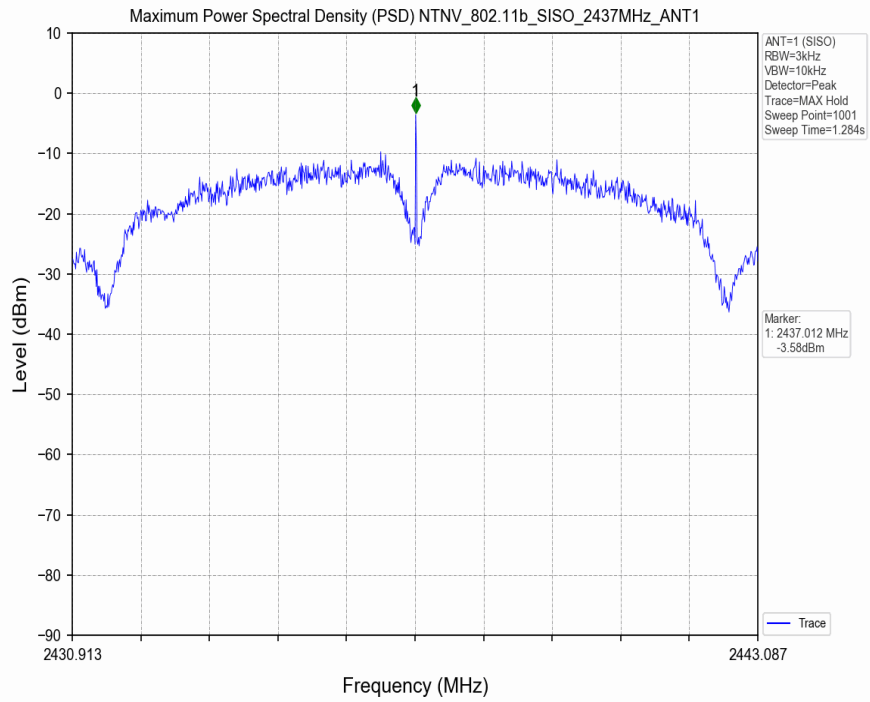
## 4. Maximum Power Spectral Density (PSD)

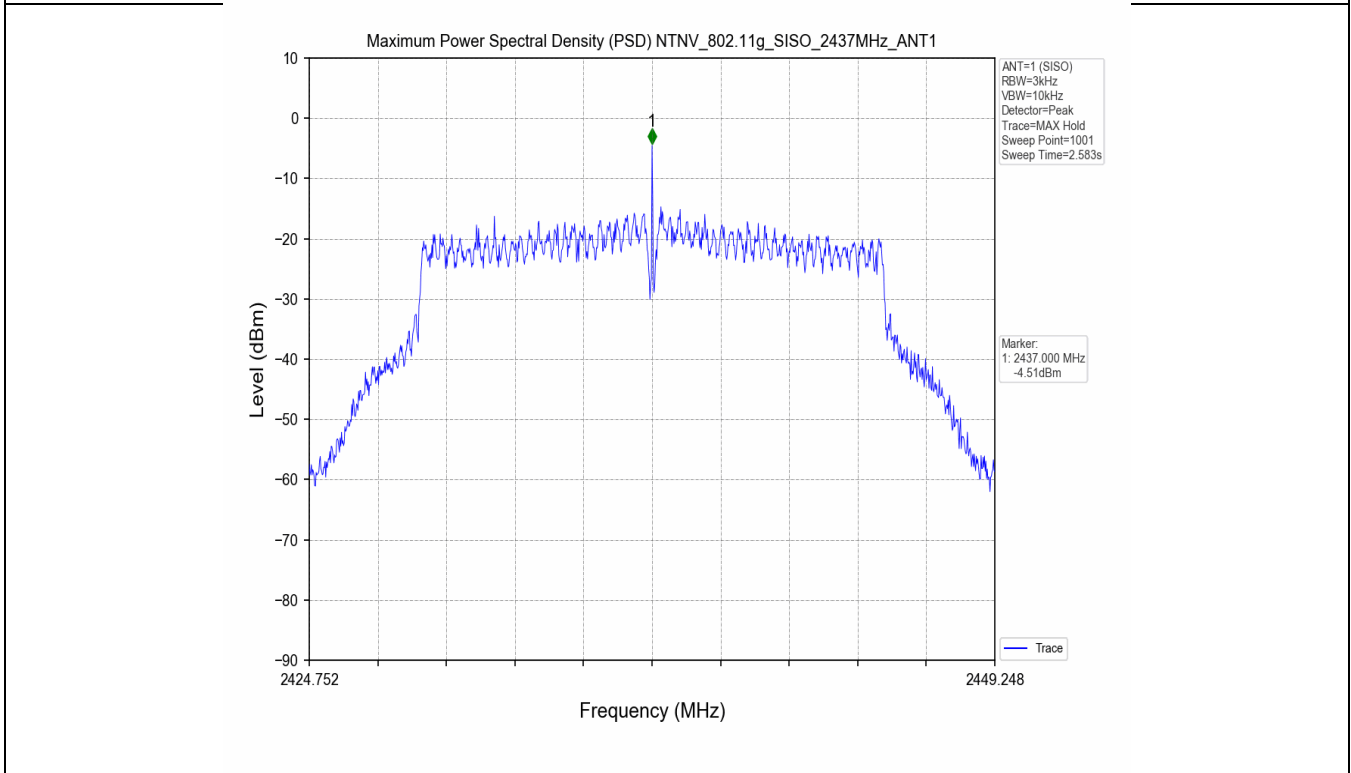
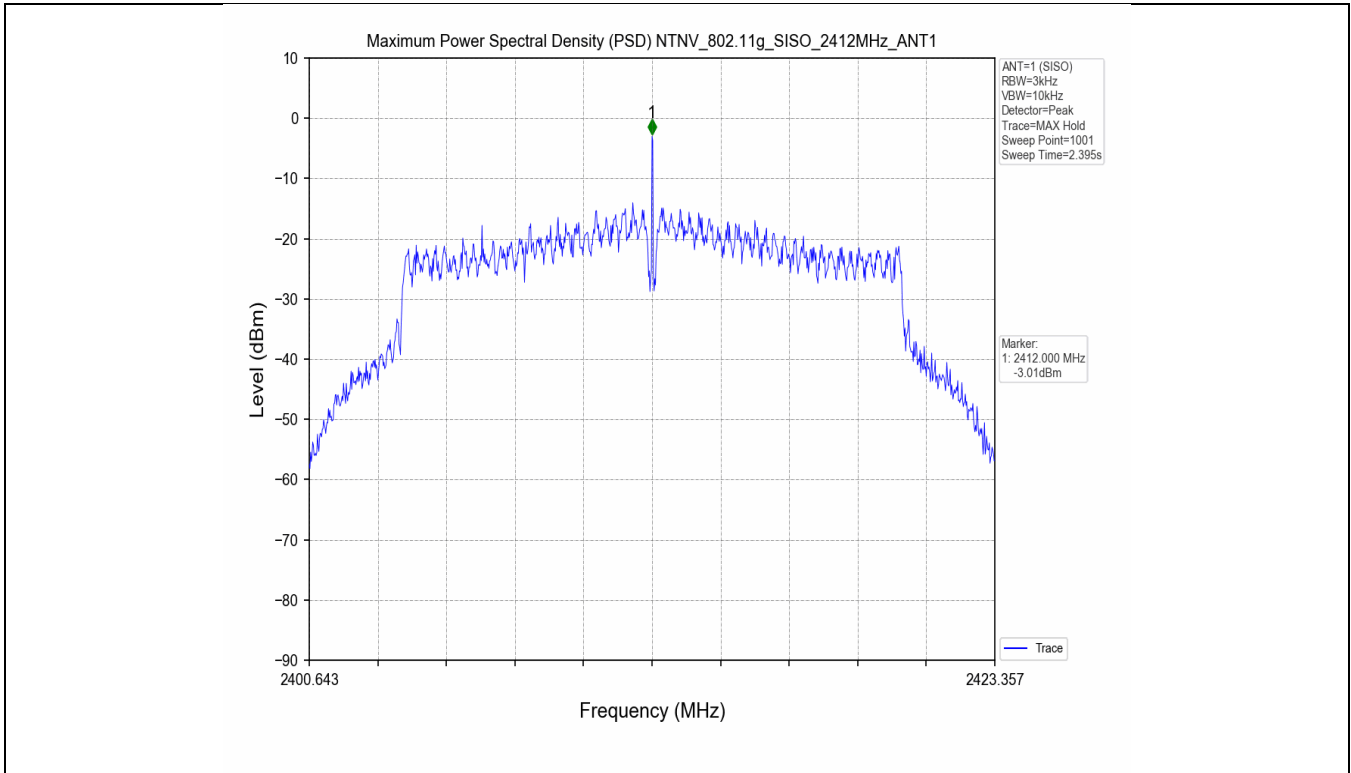
### 4.1 Test Result

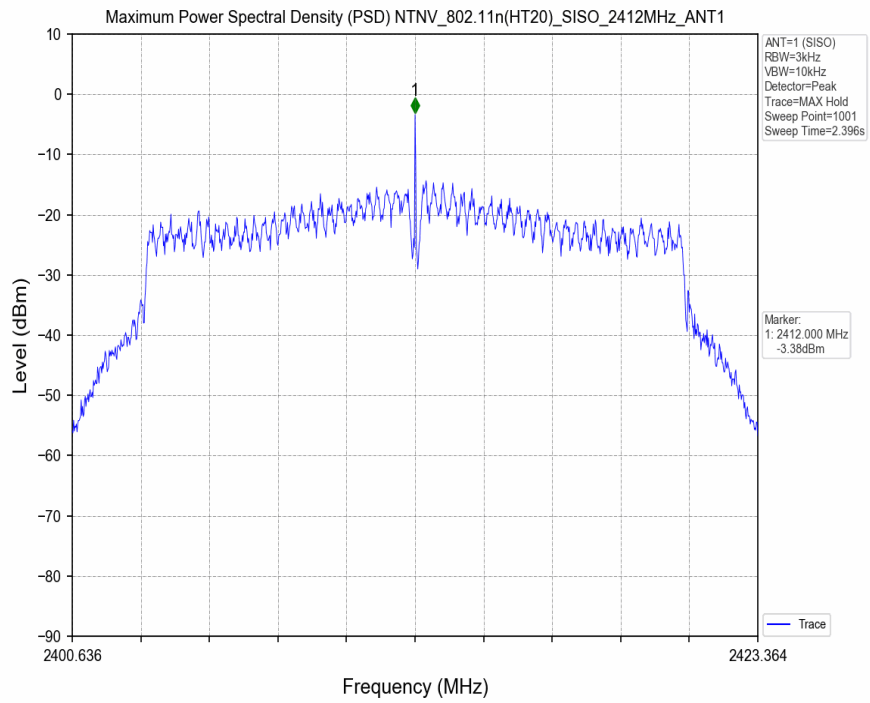
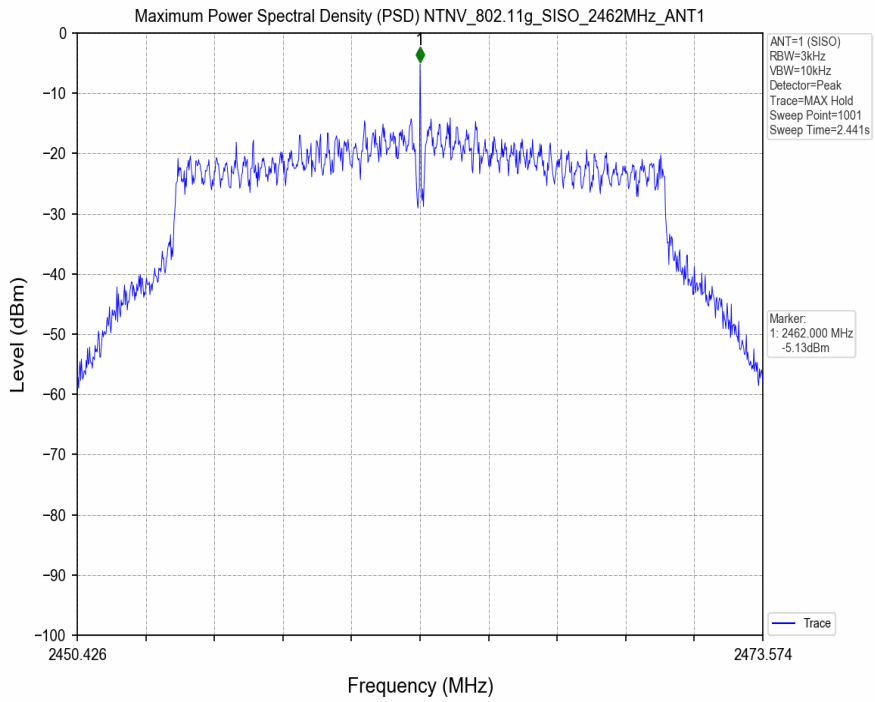
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3KHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-3.21	≤8	PASS
	2437	SISO	-3.58	≤8	PASS
	2462	SISO	-4.17	≤8	PASS
802.11g	2412	SISO	-3.01	≤8	PASS
	2437	SISO	-4.51	≤8	PASS
	2462	SISO	-5.13	≤8	PASS
802.11n(HT20)	2412	SISO	-3.38	≤8	PASS
	2437	SISO	-3.92	≤8	PASS
	2462	SISO	-14.54	≤8	PASS
802.11n(HT40)	2422	SISO	-16.20	≤8	PASS
	2437	SISO	-4.66	≤8	PASS
	2452	SISO	-16.17	≤8	PASS

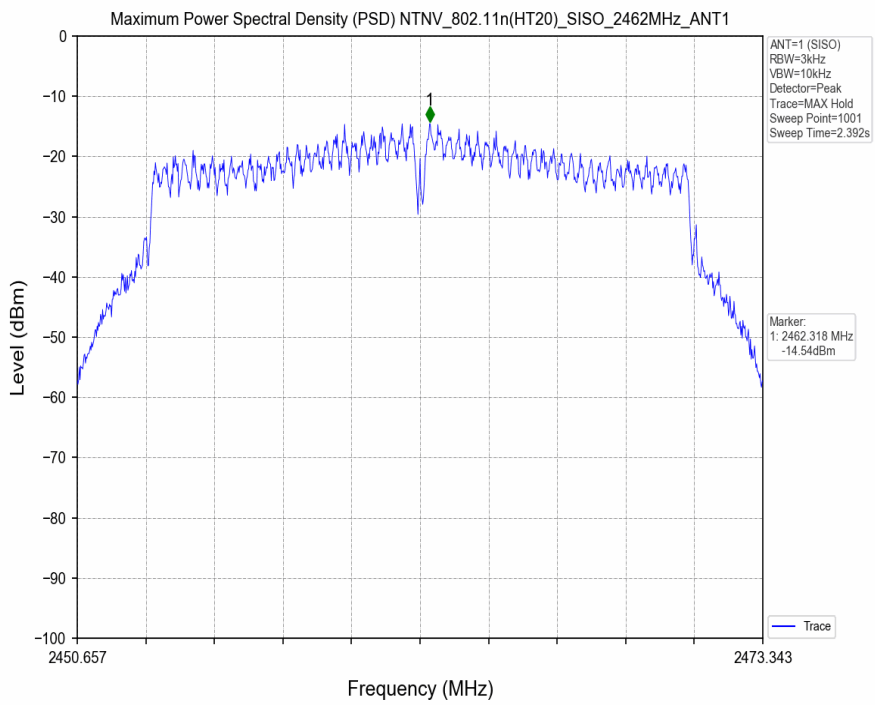
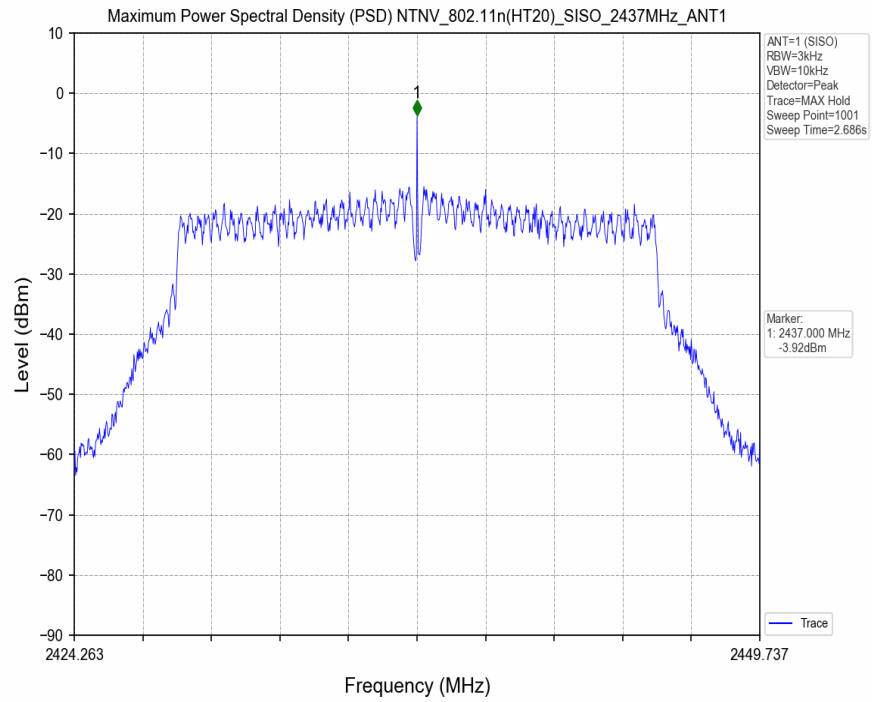
### 4.2 Test Graph

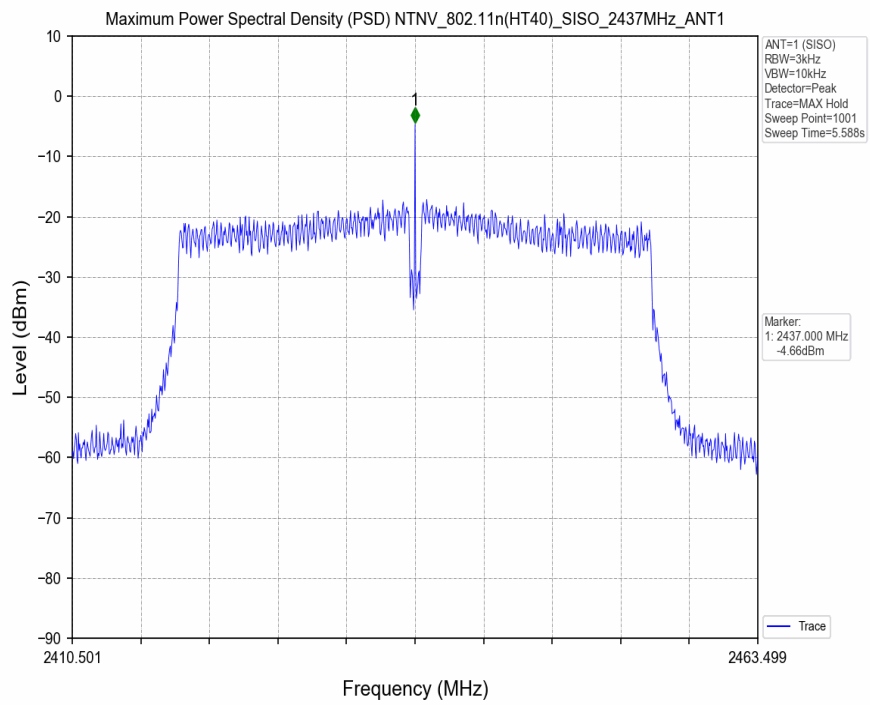
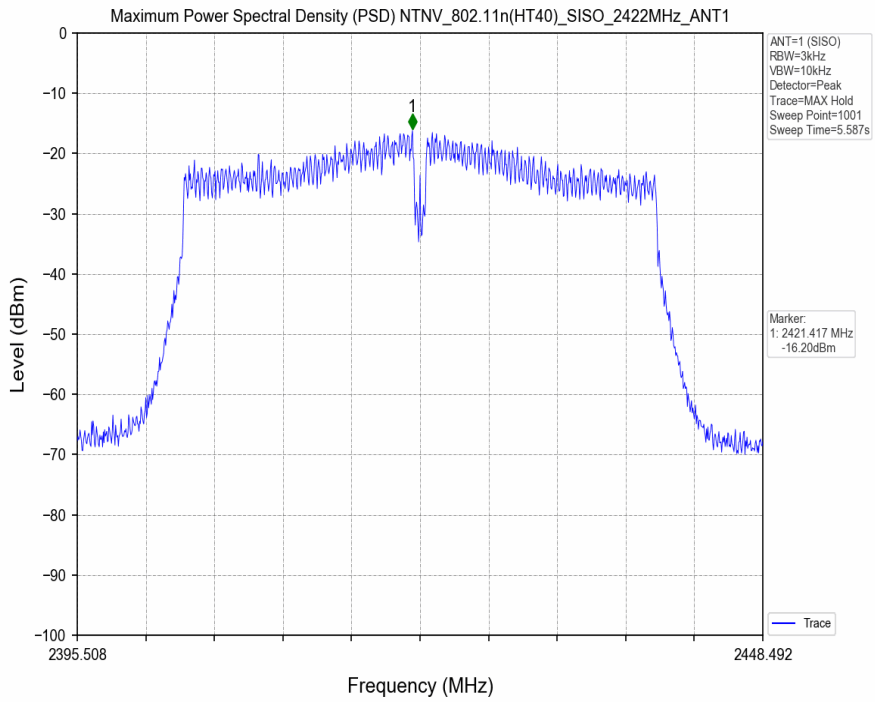




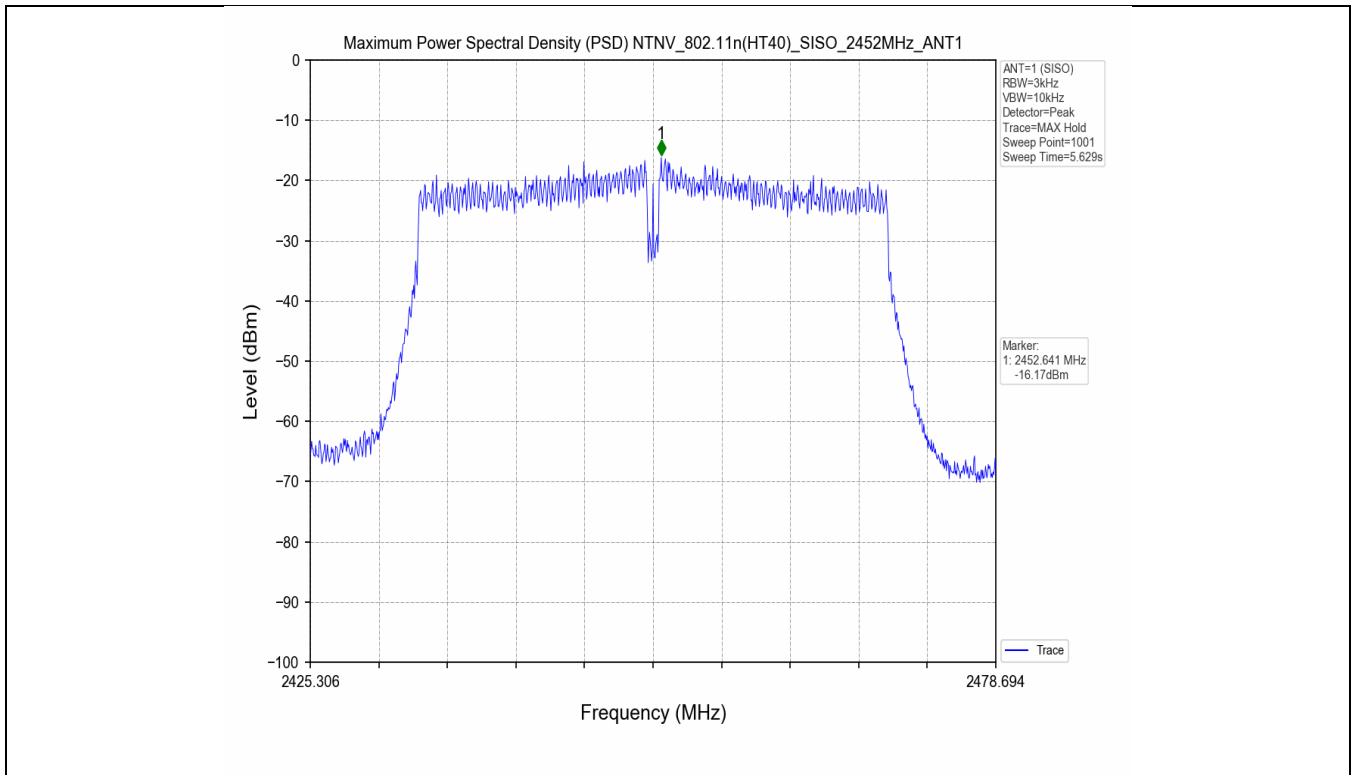












## 5. Unwanted Emissions in Non-restricted Frequency Bands

### 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	-15.90	PASS
	2437	SISO	1	Refer to test graph	-15.90	PASS
	2462	SISO	1	Refer to test graph	-15.90	PASS
802.11g	2412	SISO	1	Refer to test graph	-20.85	PASS
	2437	SISO	1	Refer to test graph	-20.85	PASS
	2462	SISO	1	Refer to test graph	-20.85	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-21.05	PASS
	2437	SISO	1	Refer to test graph	-21.05	PASS
	2462	SISO	1	Refer to test graph	-21.05	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-23.11	PASS
	2437	SISO	1	Refer to test graph	-23.11	PASS
	2452	SISO	1	Refer to test graph	-23.11	PASS

### 5.2 Test Graph

