

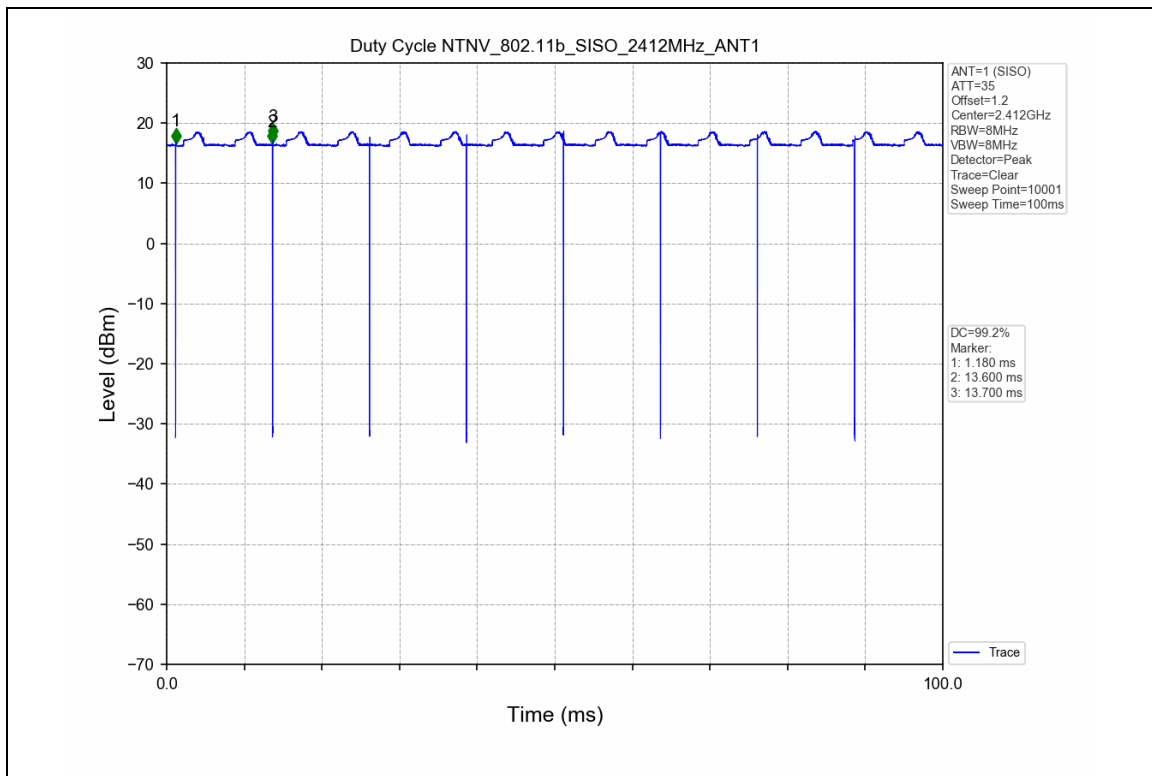
### Appendix A for SHEM210600602501

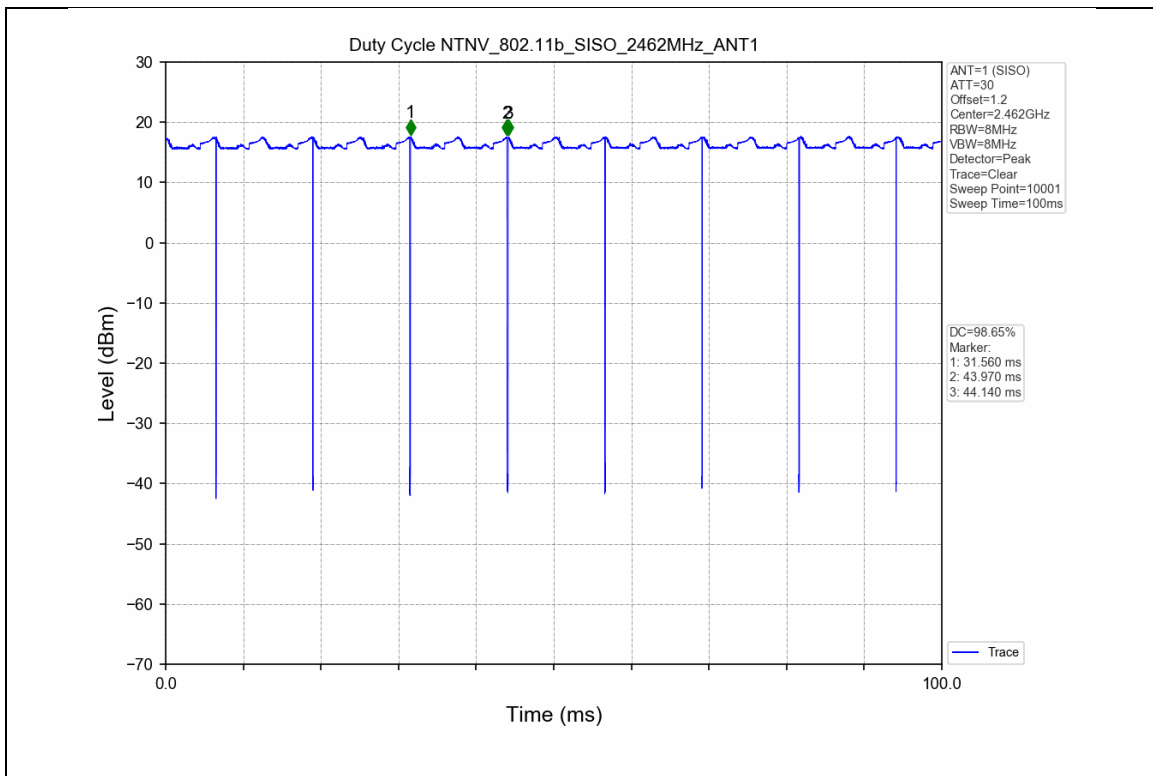
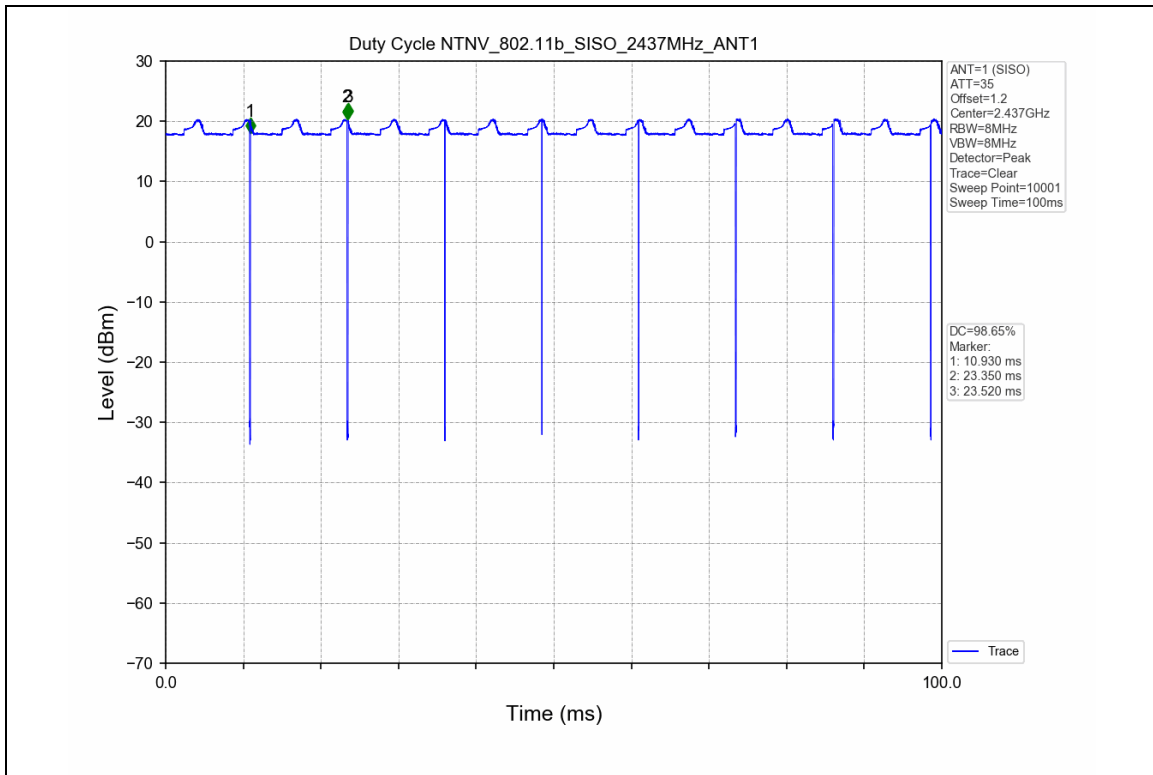
## 1. Duty Cycle

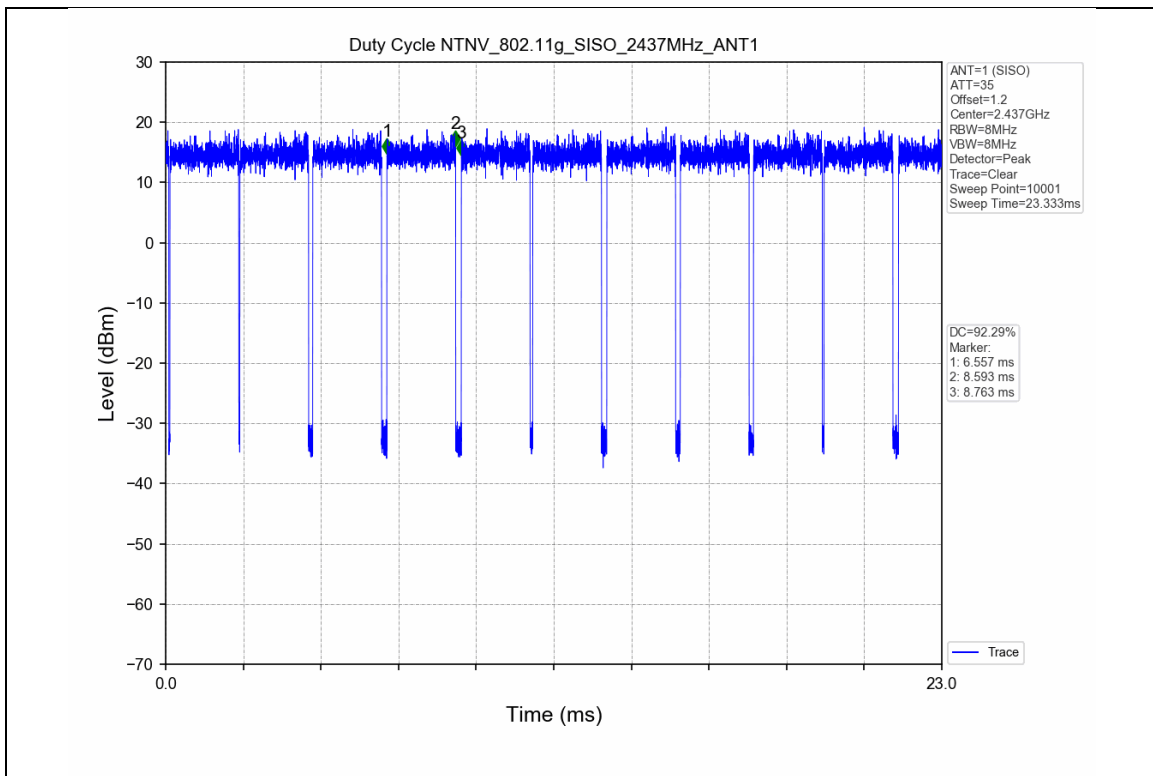
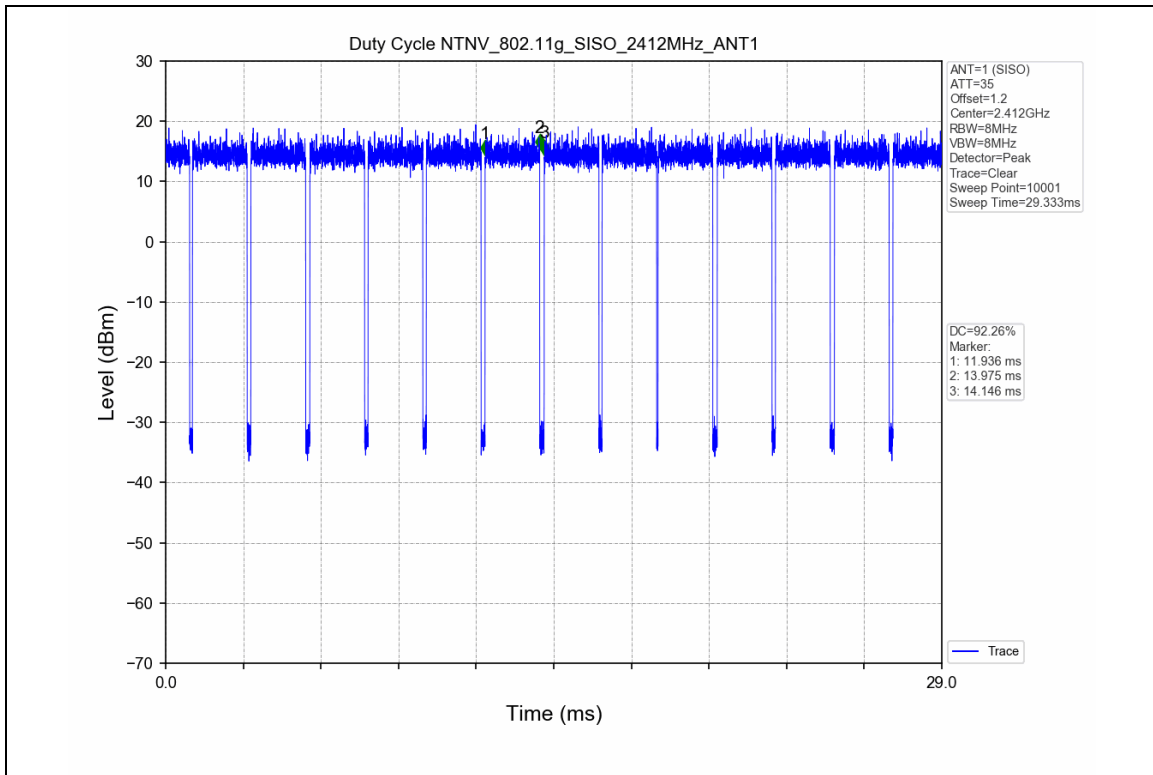
### 1.1 Test Result

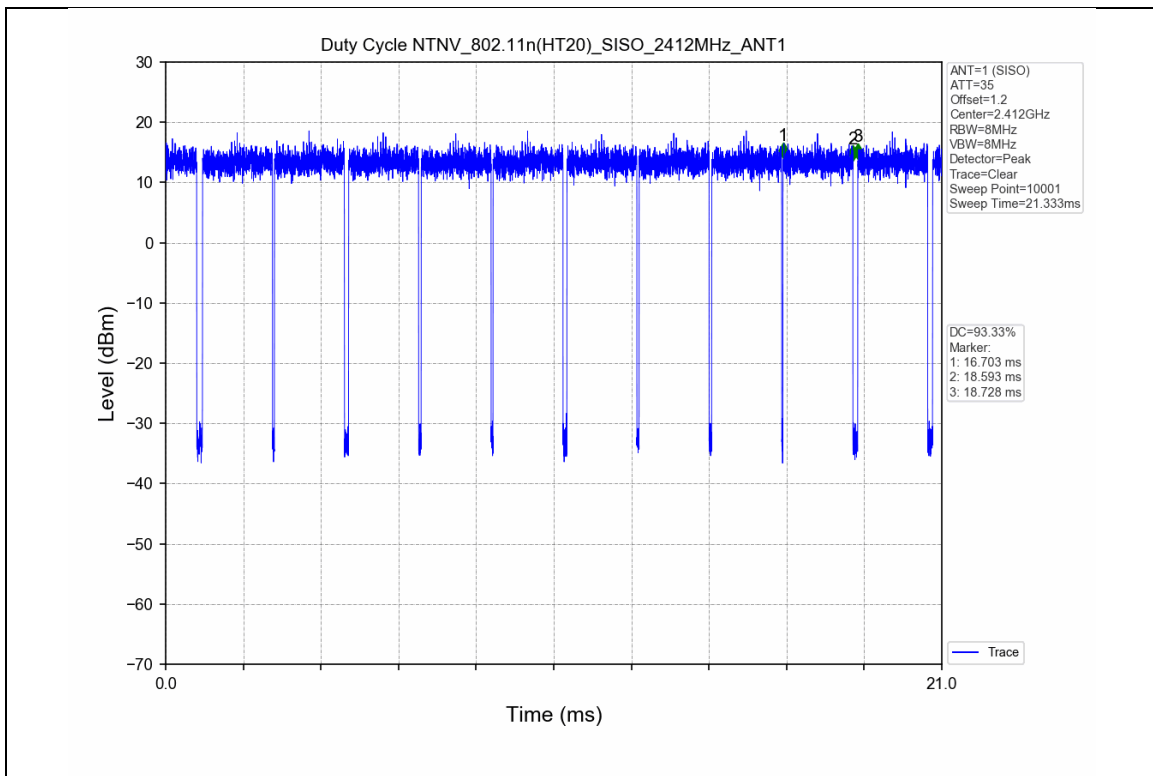
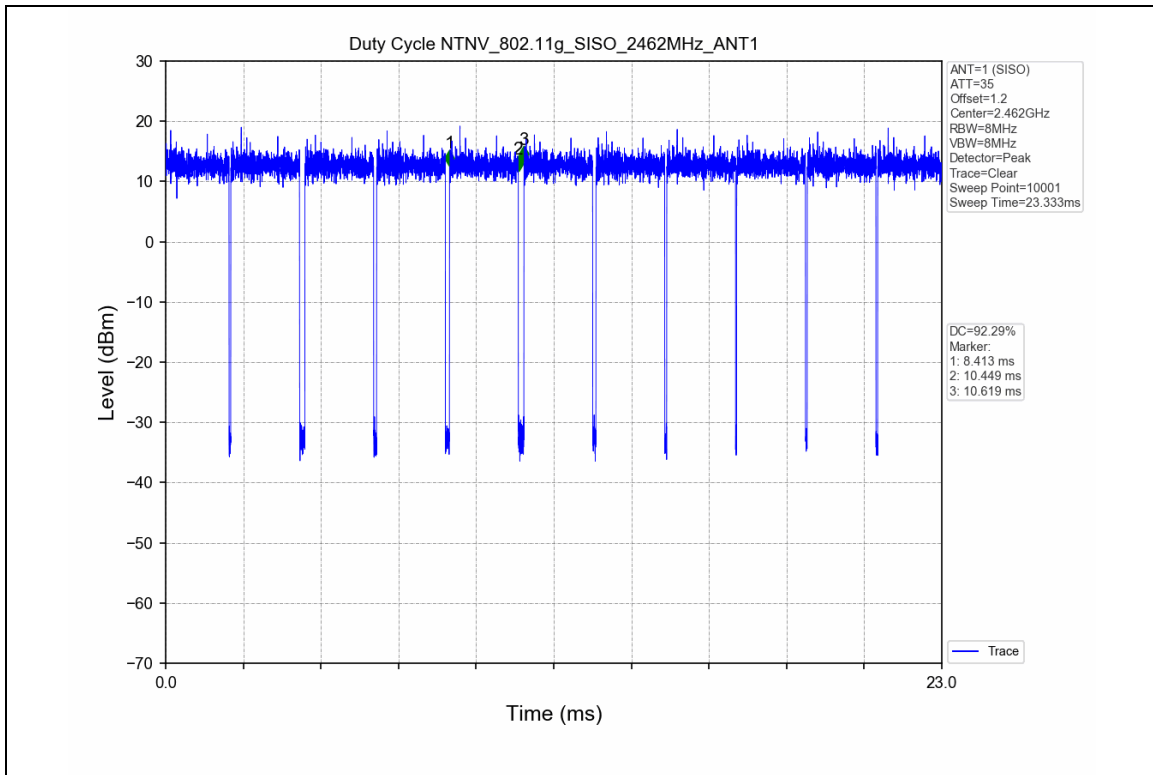
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	12.420	12.520	99.20	0.03
	2437	SISO	1	12.420	12.590	98.65	0.06
	2462	SISO	1	12.410	12.580	98.65	0.06
802.11g	2412	SISO	1	2.039	2.210	92.26	0.35
	2437	SISO	1	2.036	2.206	92.29	0.35
	2462	SISO	1	2.036	2.206	92.29	0.35
802.11n(HT20)	2412	SISO	1	1.890	2.025	93.33	0.30
	2437	SISO	1	1.890	2.051	92.15	0.36
	2462	SISO	1	1.918	2.093	91.64	0.38
802.11n(HT40)	2422	SISO	1	0.917	1.085	84.52	0.73
	2437	SISO	1	0.917	1.076	85.22	0.69
	2452	SISO	1	0.916	1.075	85.21	0.70

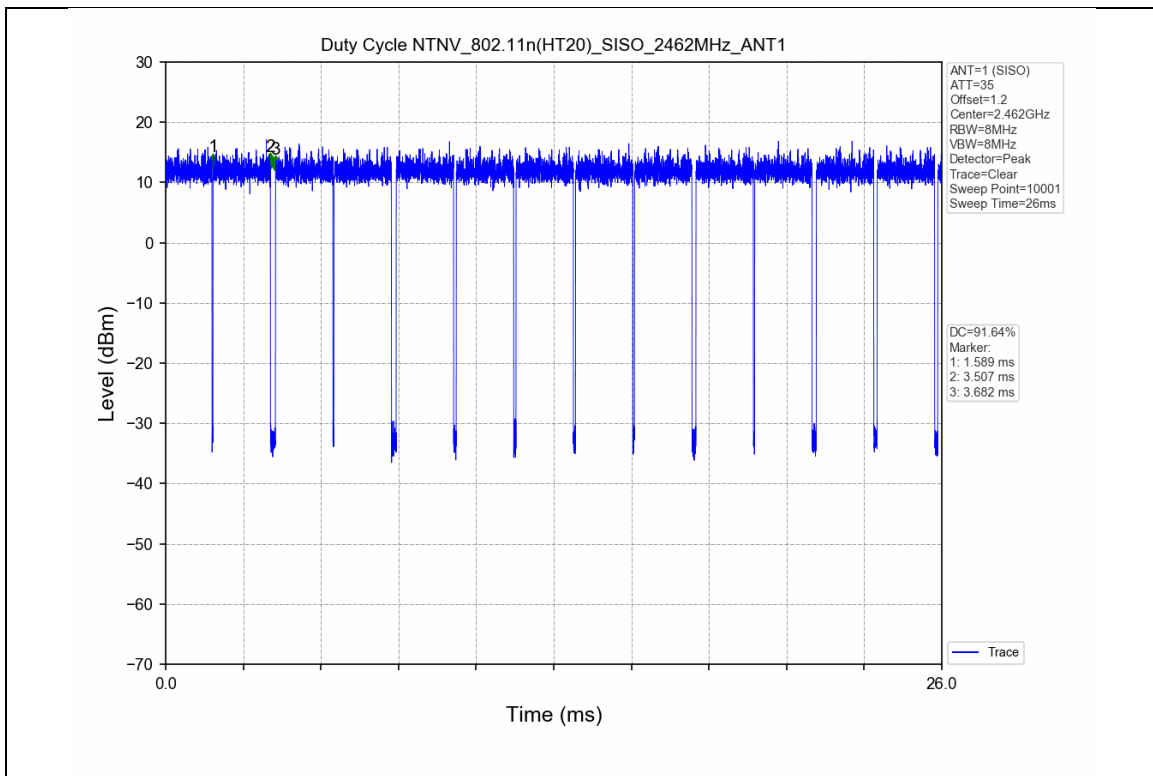
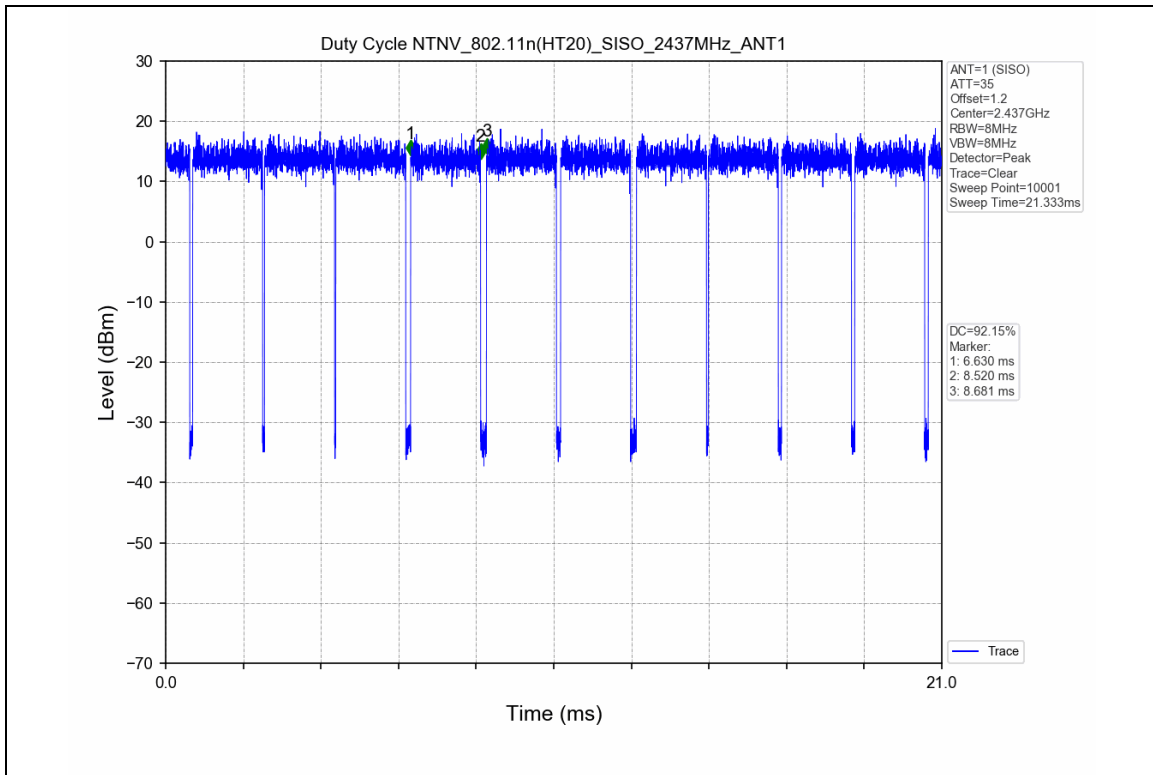
### 1.2 Test Graph

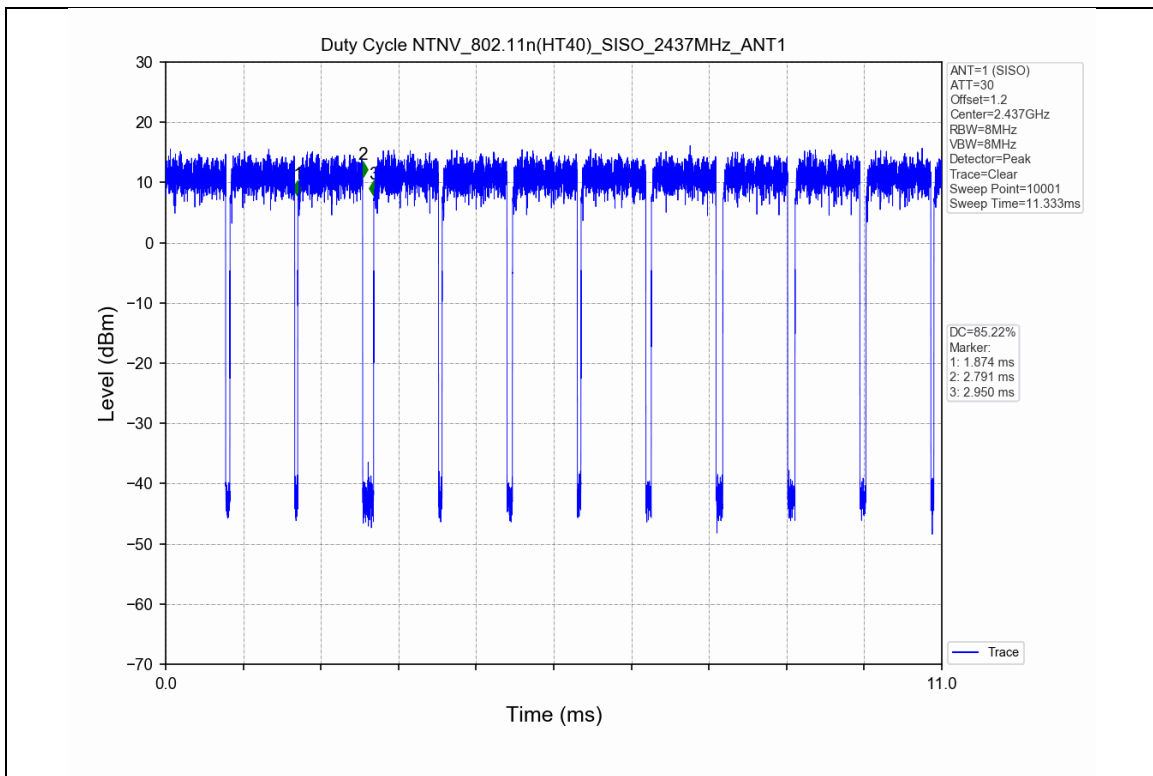
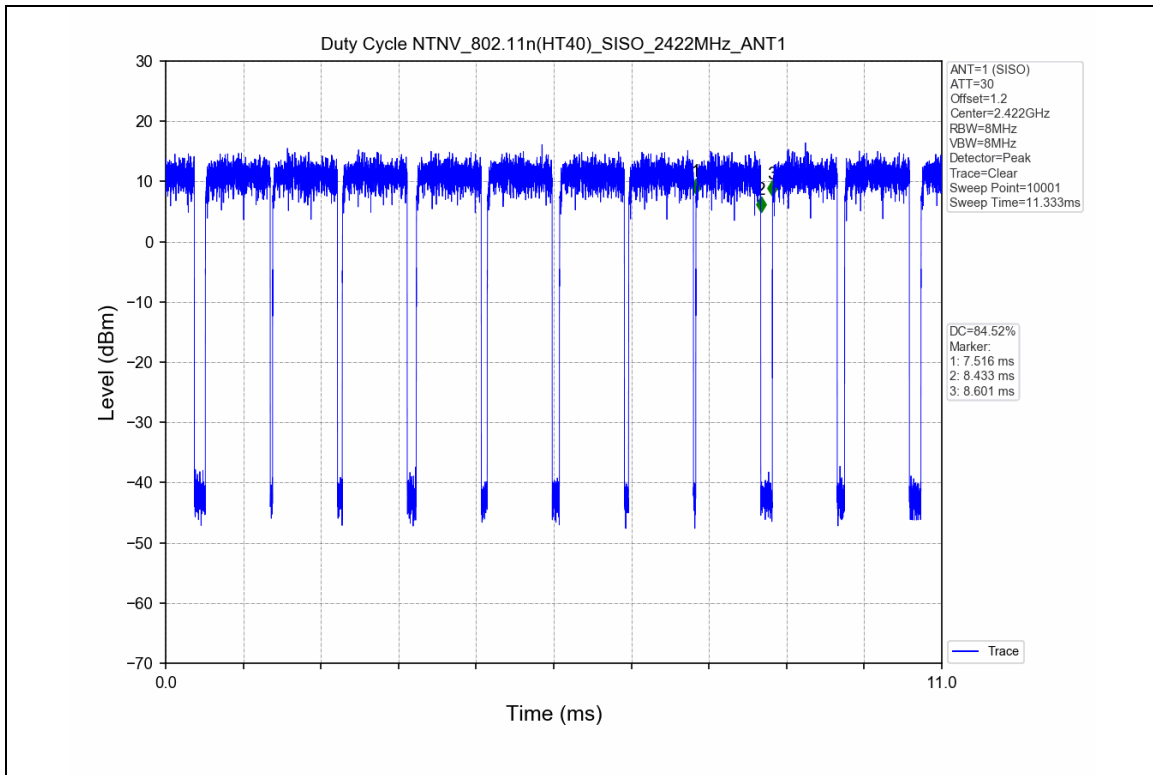


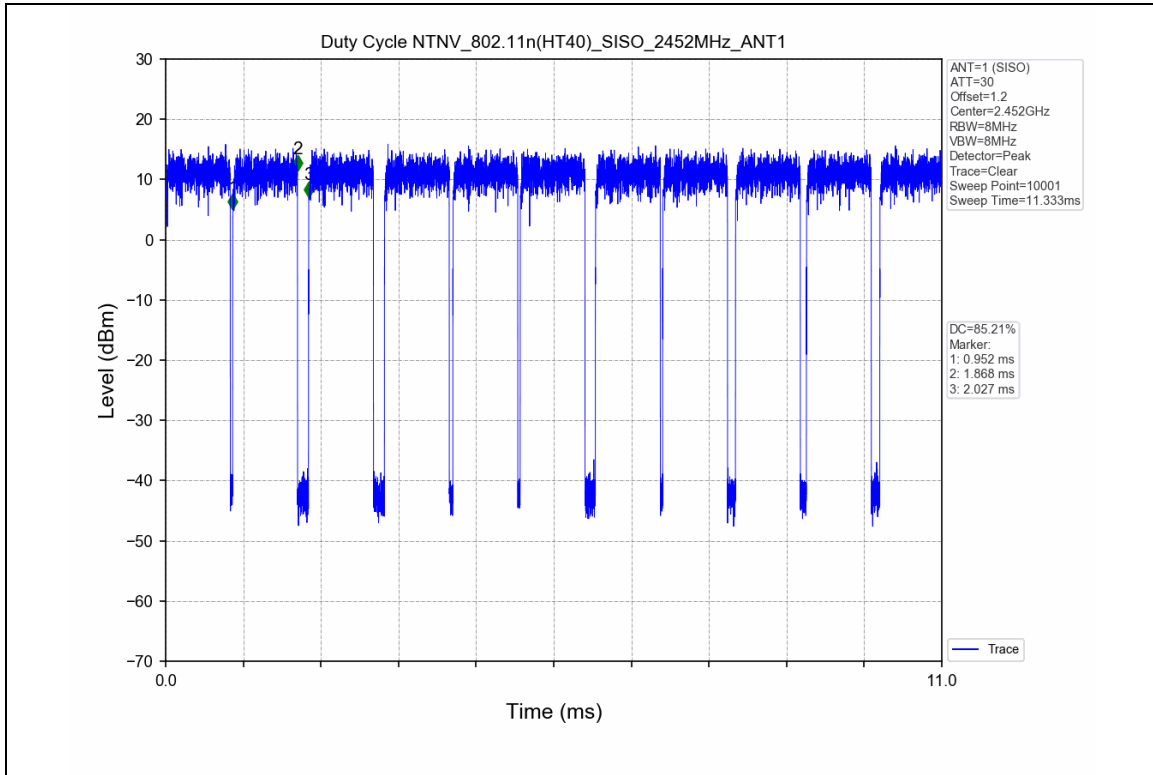












## 2. Bandwidth

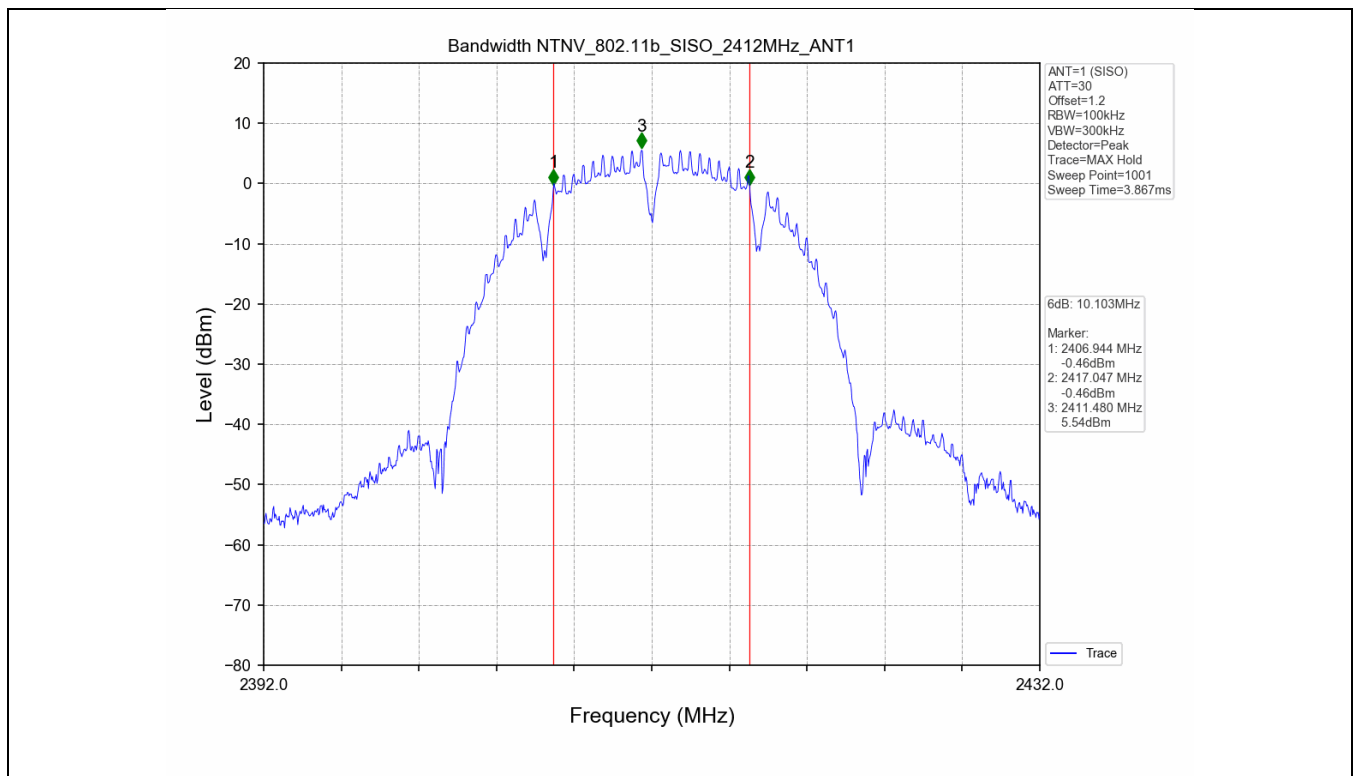
### 2.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	10.103	≥0.5	PASS
	2437	SISO	1	10.124	≥0.5	PASS
	2462	SISO	1	10.074	≥0.5	PASS
802.11g	2412	SISO	1	15.983	≥0.5	PASS
	2437	SISO	1	16.368	≥0.5	PASS
	2462	SISO	1	16.006	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.252	≥0.5	PASS
	2437	SISO	1	17.307	≥0.5	PASS
	2462	SISO	1	16.362	≥0.5	PASS
802.11n(HT40)	2422	SISO	1	35.190	≥0.5	PASS
	2437	SISO	1	35.749	≥0.5	PASS
	2452	SISO	1	35.366	≥0.5	PASS

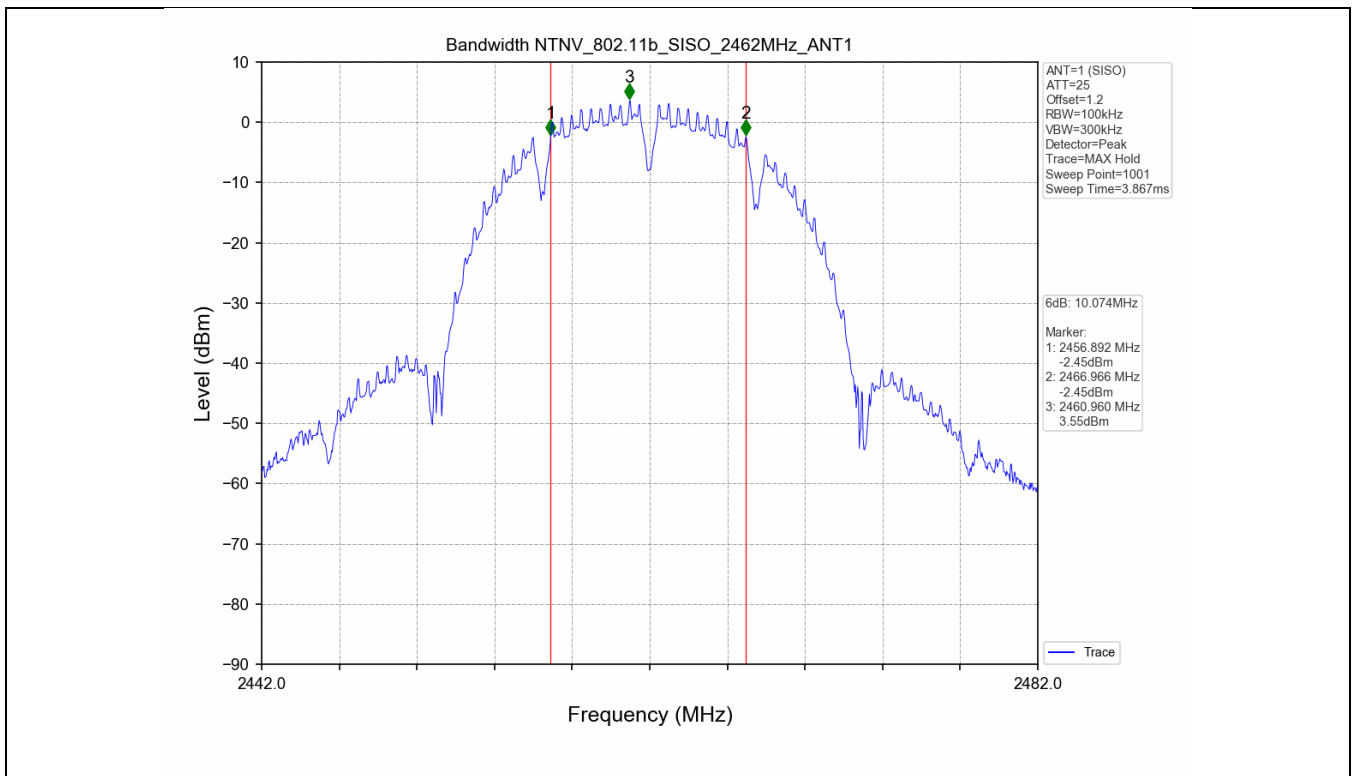
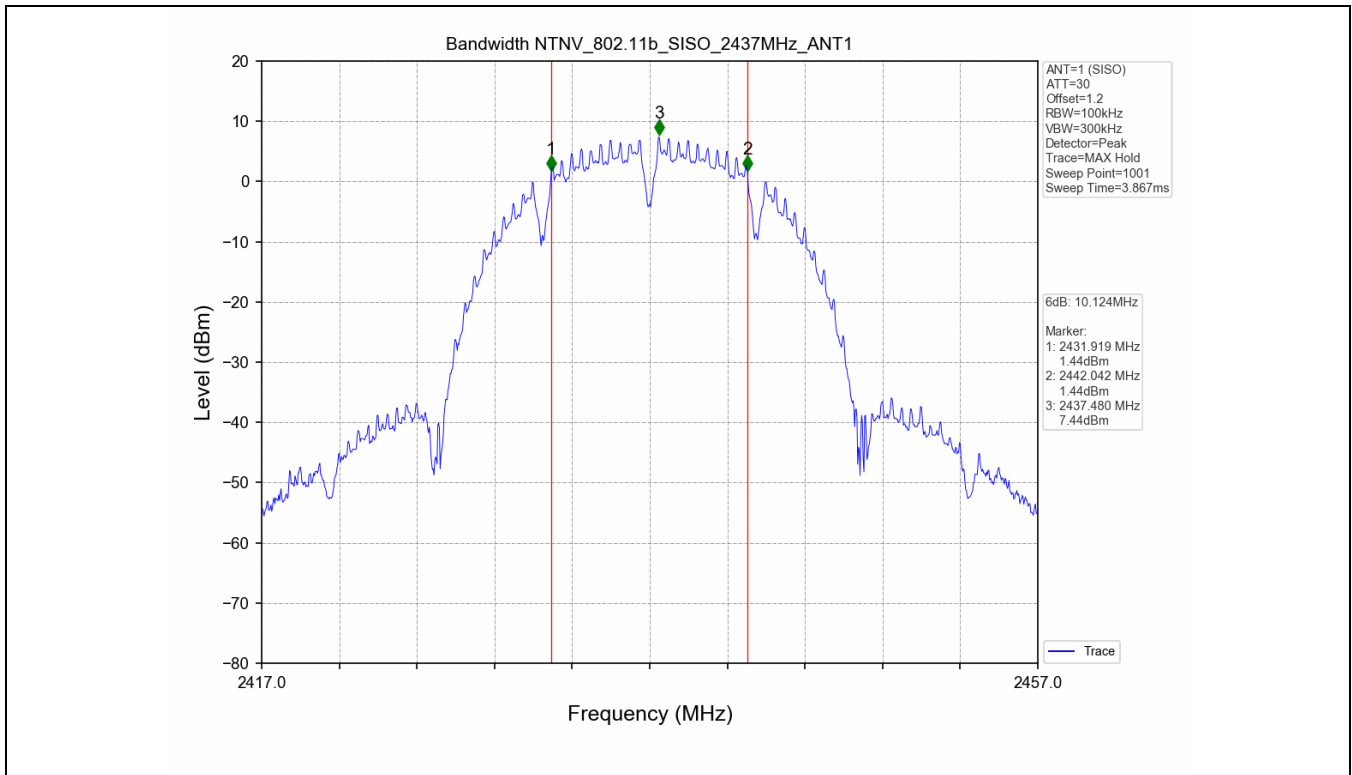
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	14.831	Only for Report Use
	2437	SISO	1	15.034	Only for Report Use
	2462	SISO	1	15.161	Only for Report Use
802.11g	2412	SISO	1	16.710	Only for Report Use
	2437	SISO	1	16.856	Only for Report Use

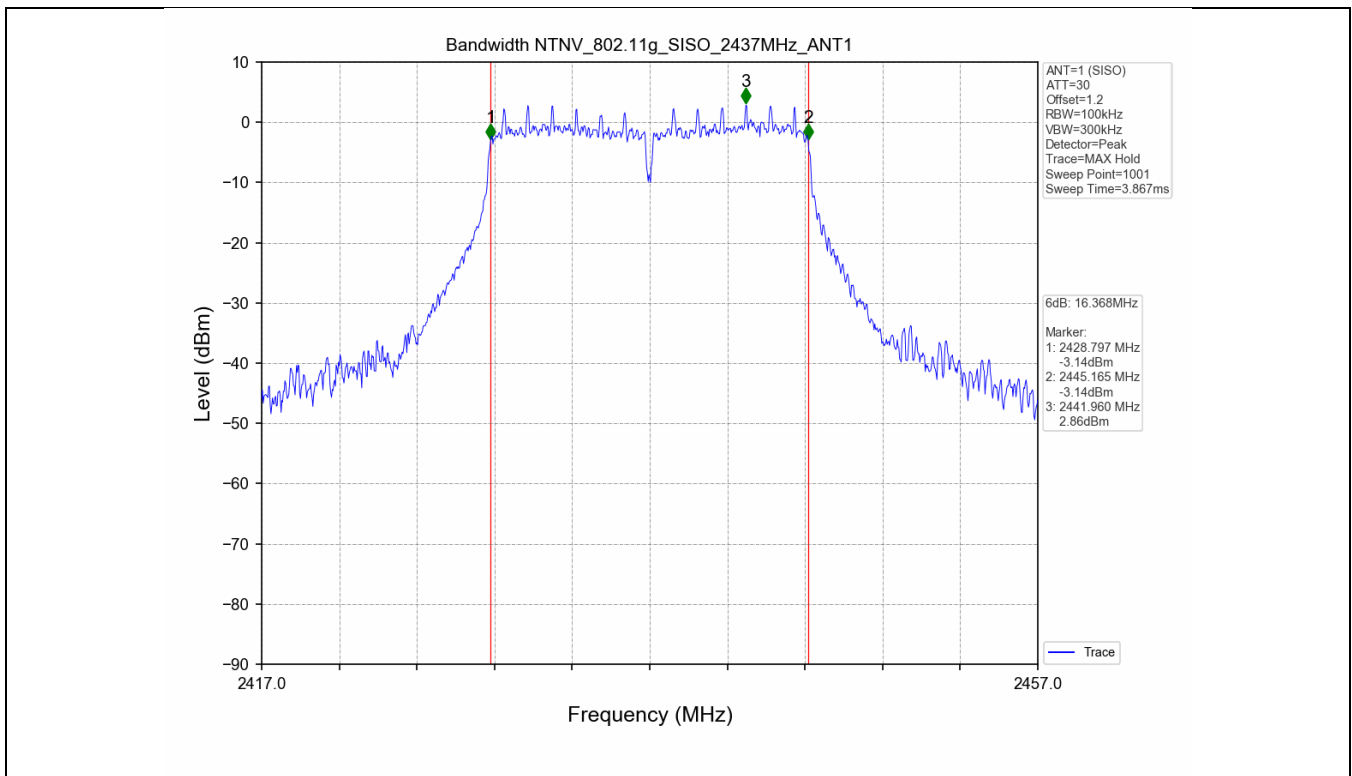
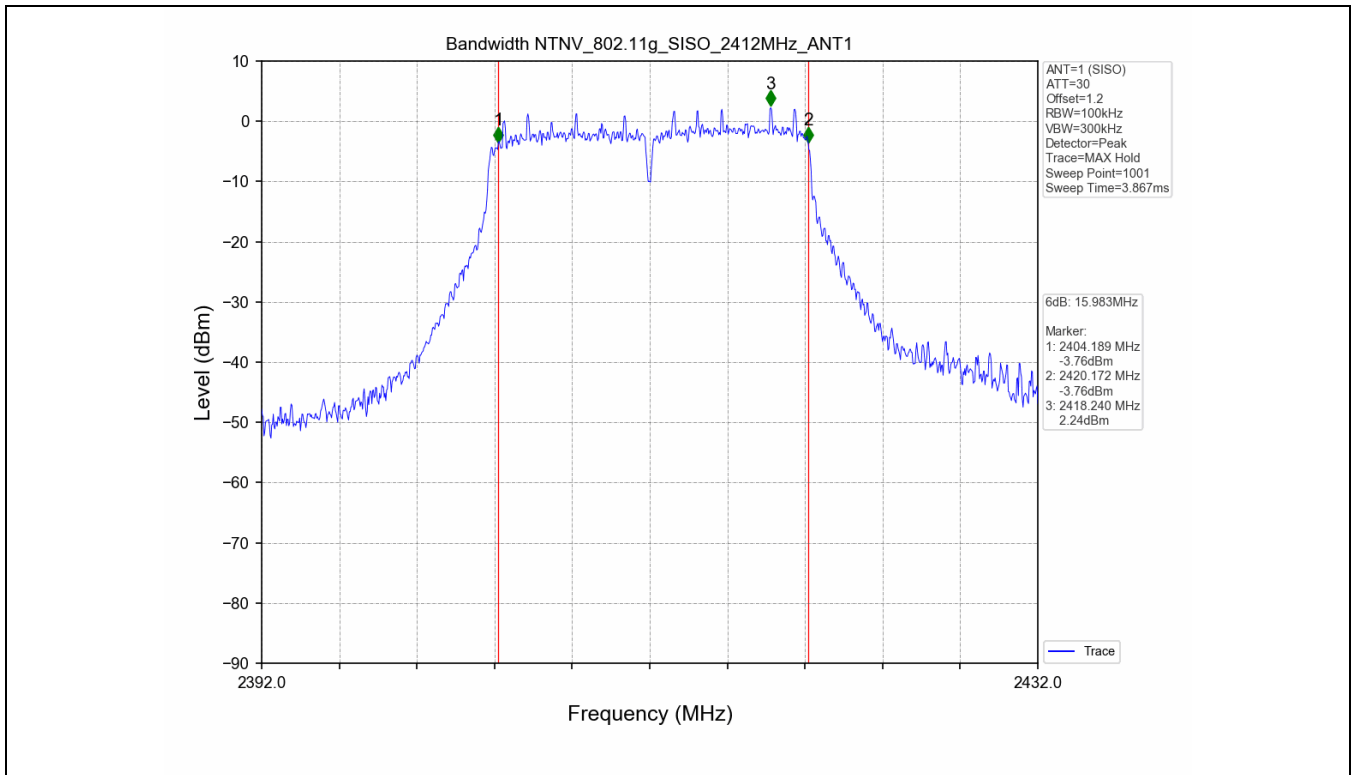
	2462	SISO	1	16.860	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.774	Only for Report Use
	2437	SISO	1	17.902	Only for Report Use
	2462	SISO	1	17.910	Only for Report Use
802.11n(HT40)	2422	SISO	1	36.649	Only for Report Use
	2437	SISO	1	36.613	Only for Report Use
	2452	SISO	1	36.449	Only for Report Use

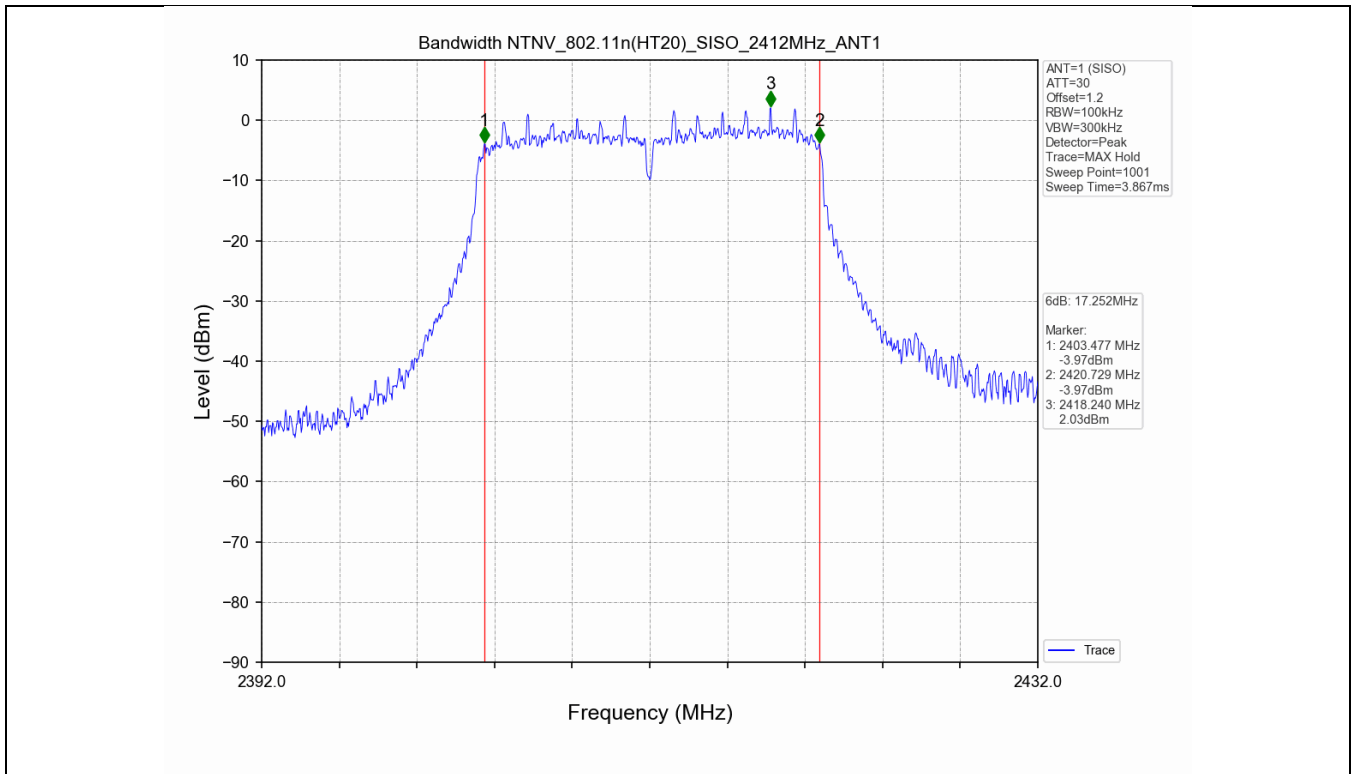
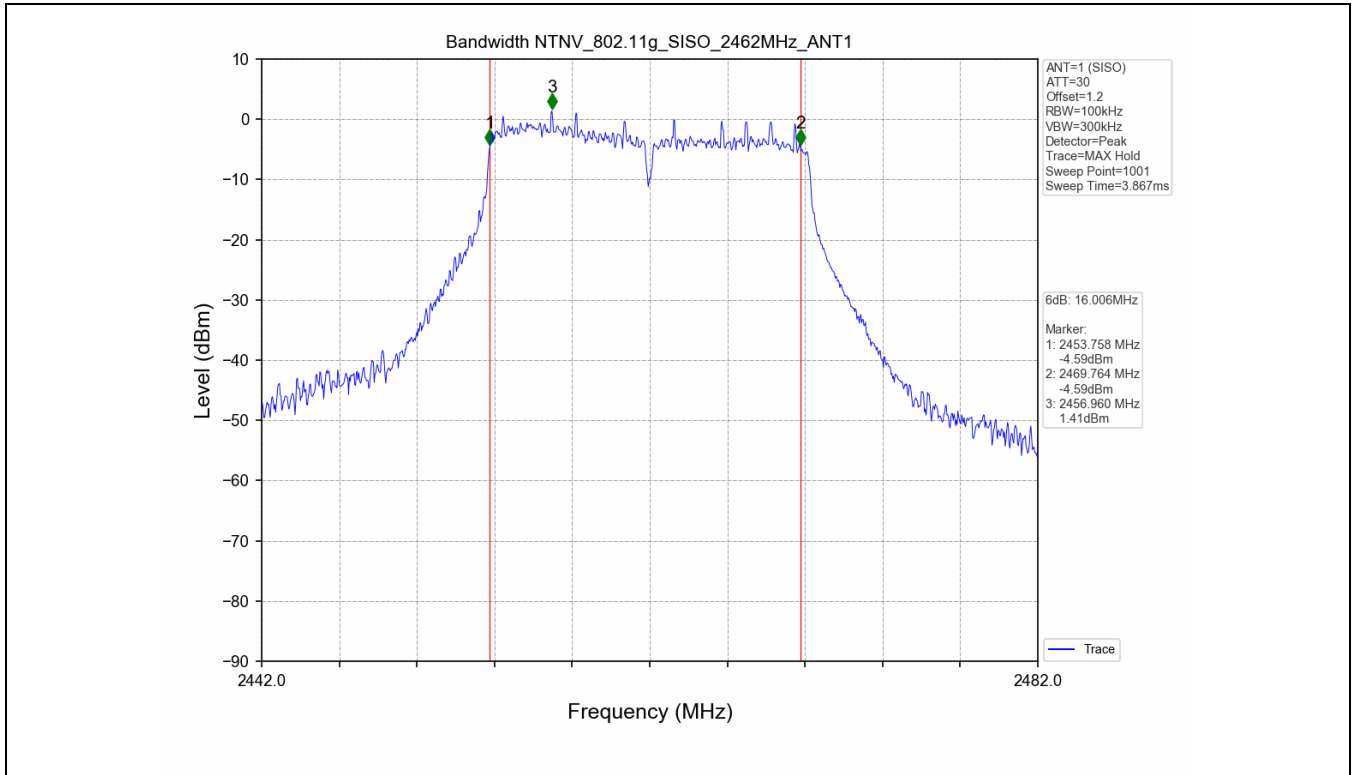
## 2.2 Test Graph - 6dB Bandwidth

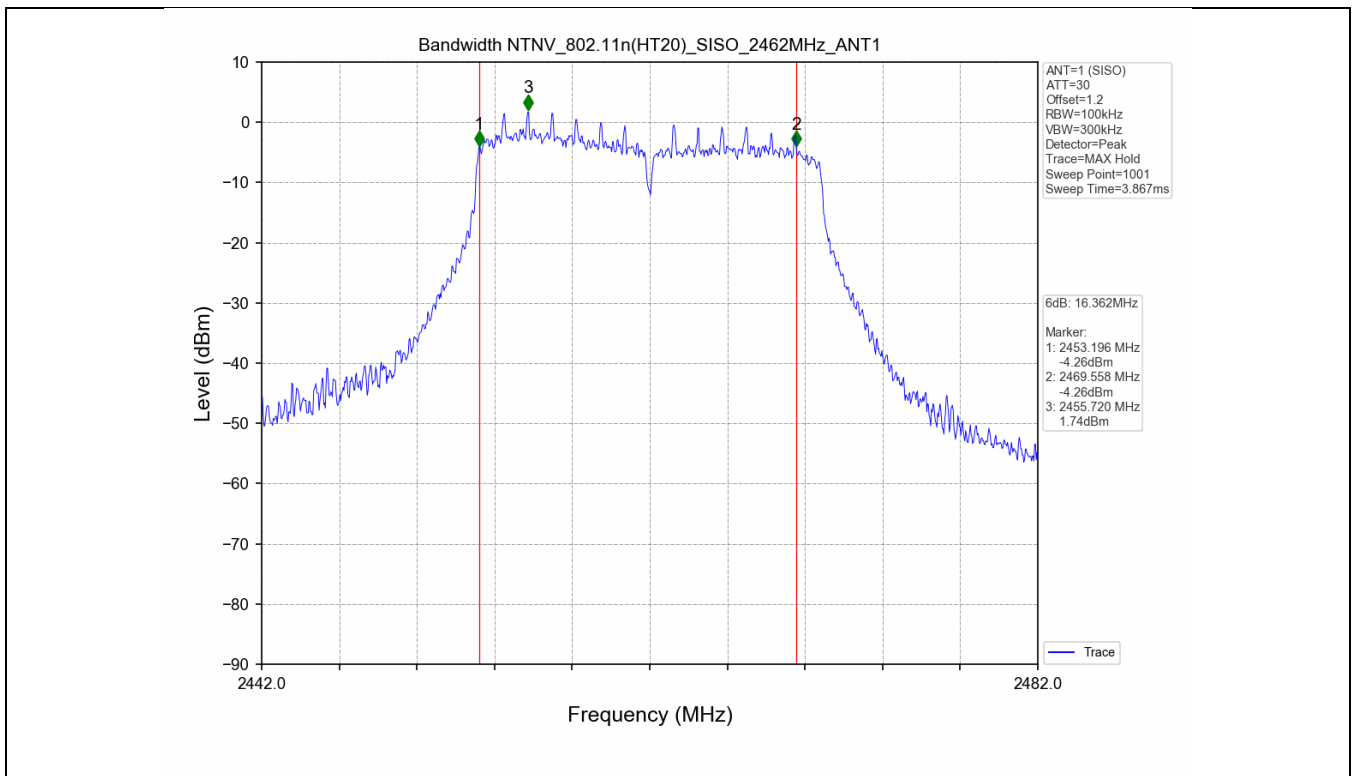
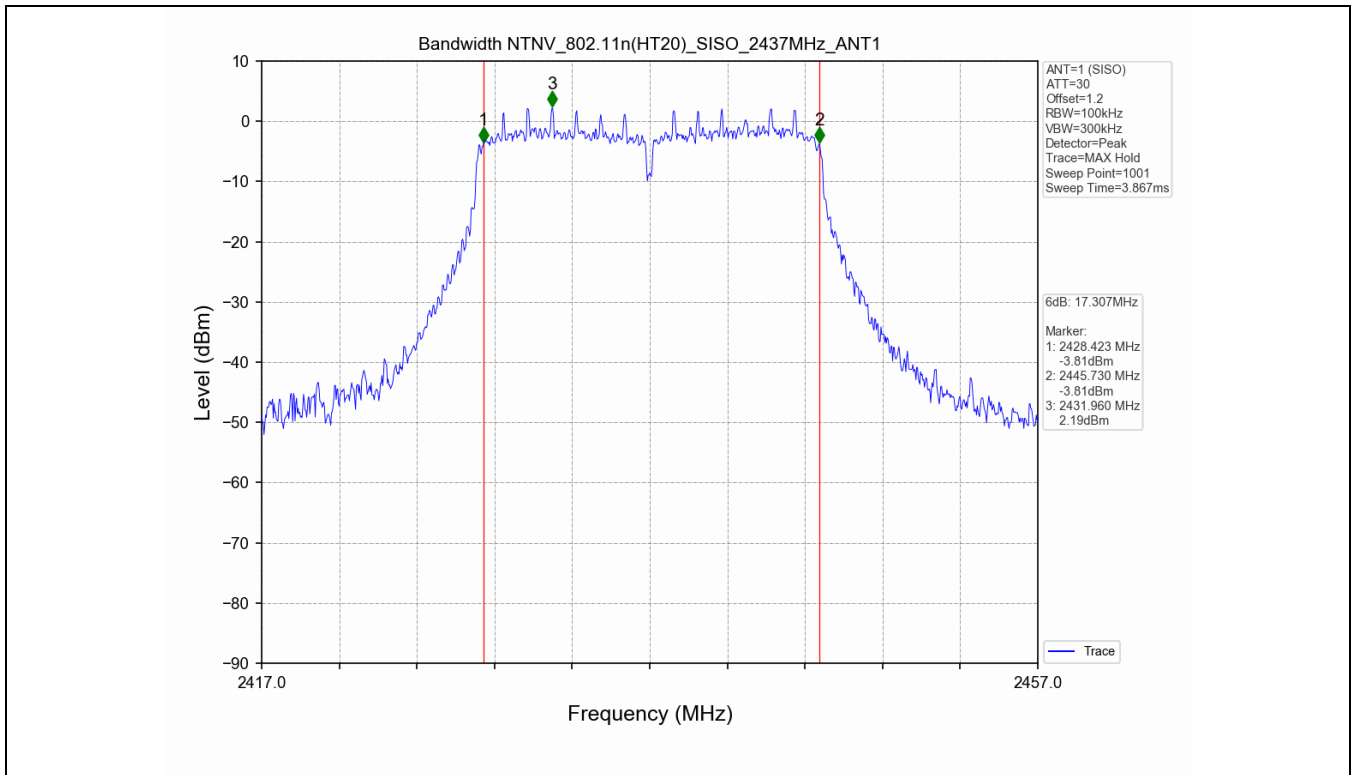


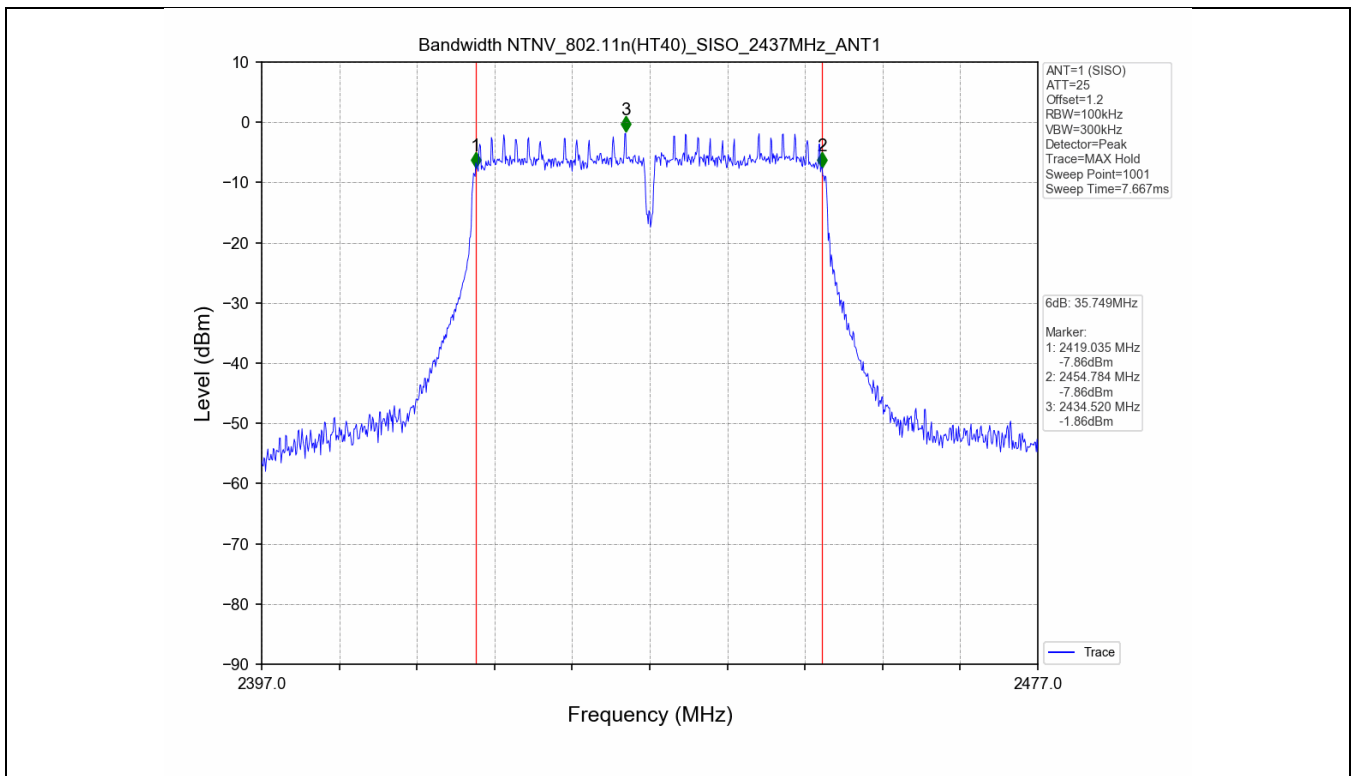
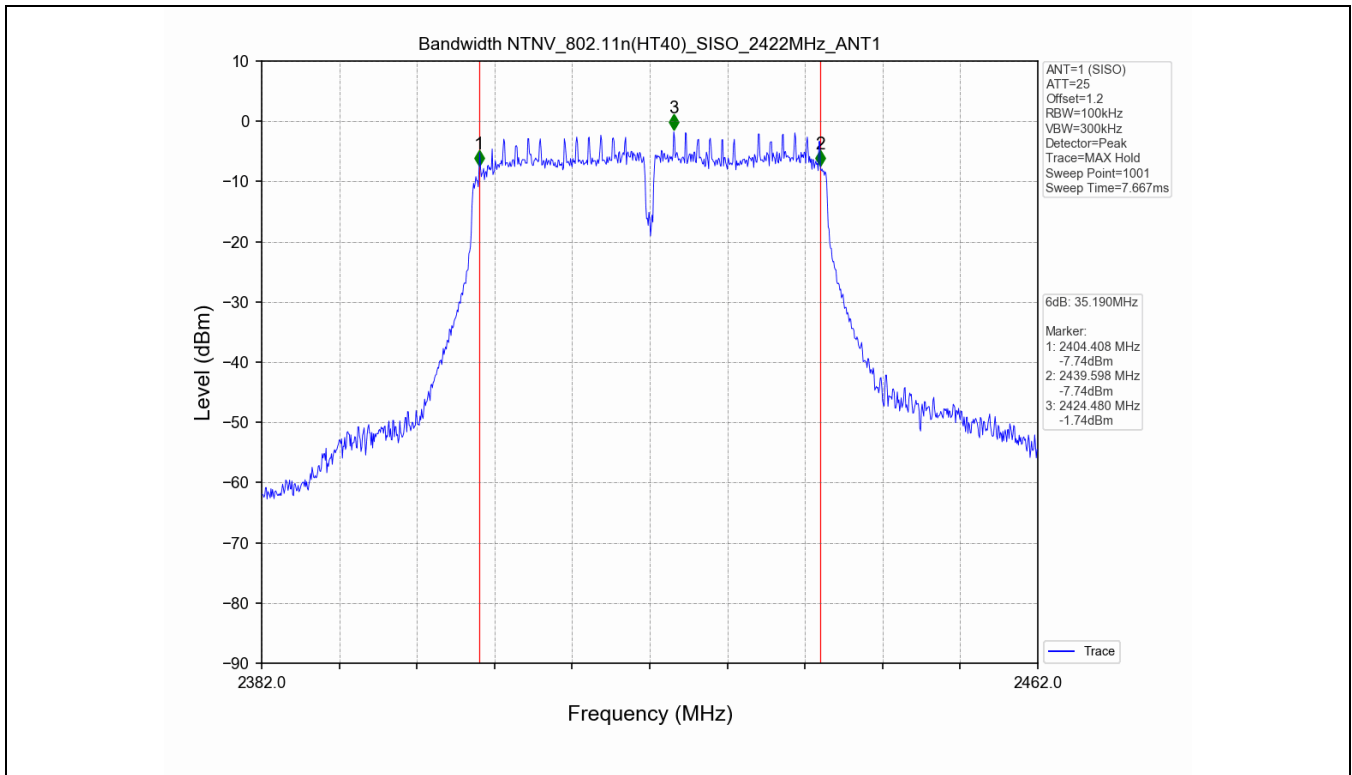


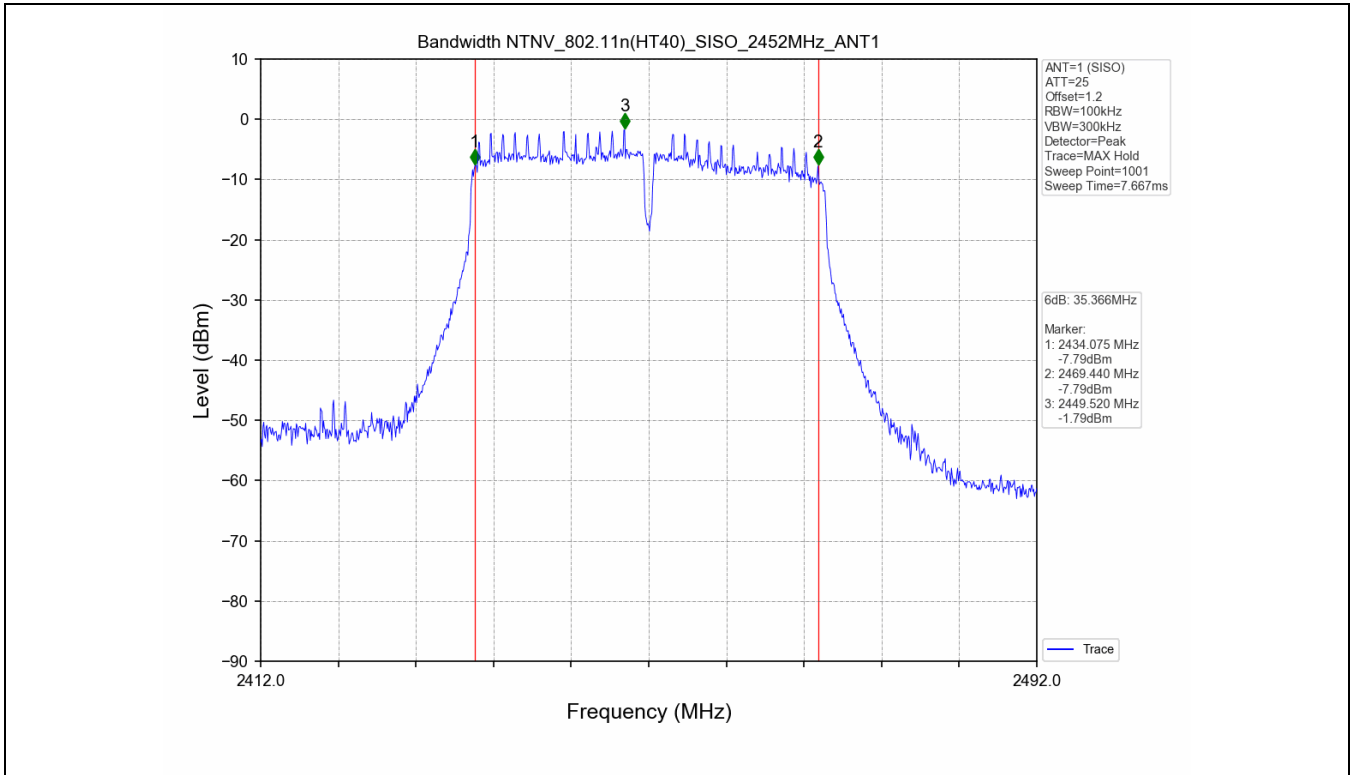




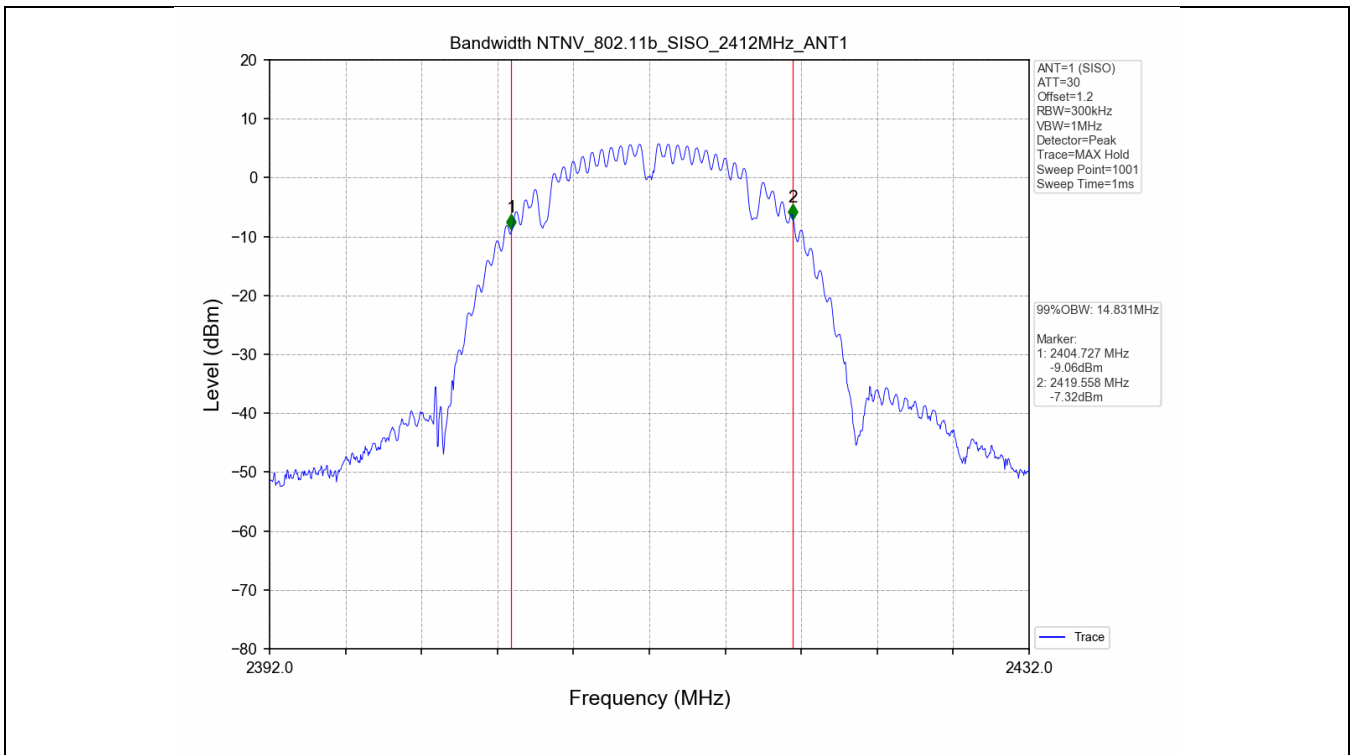


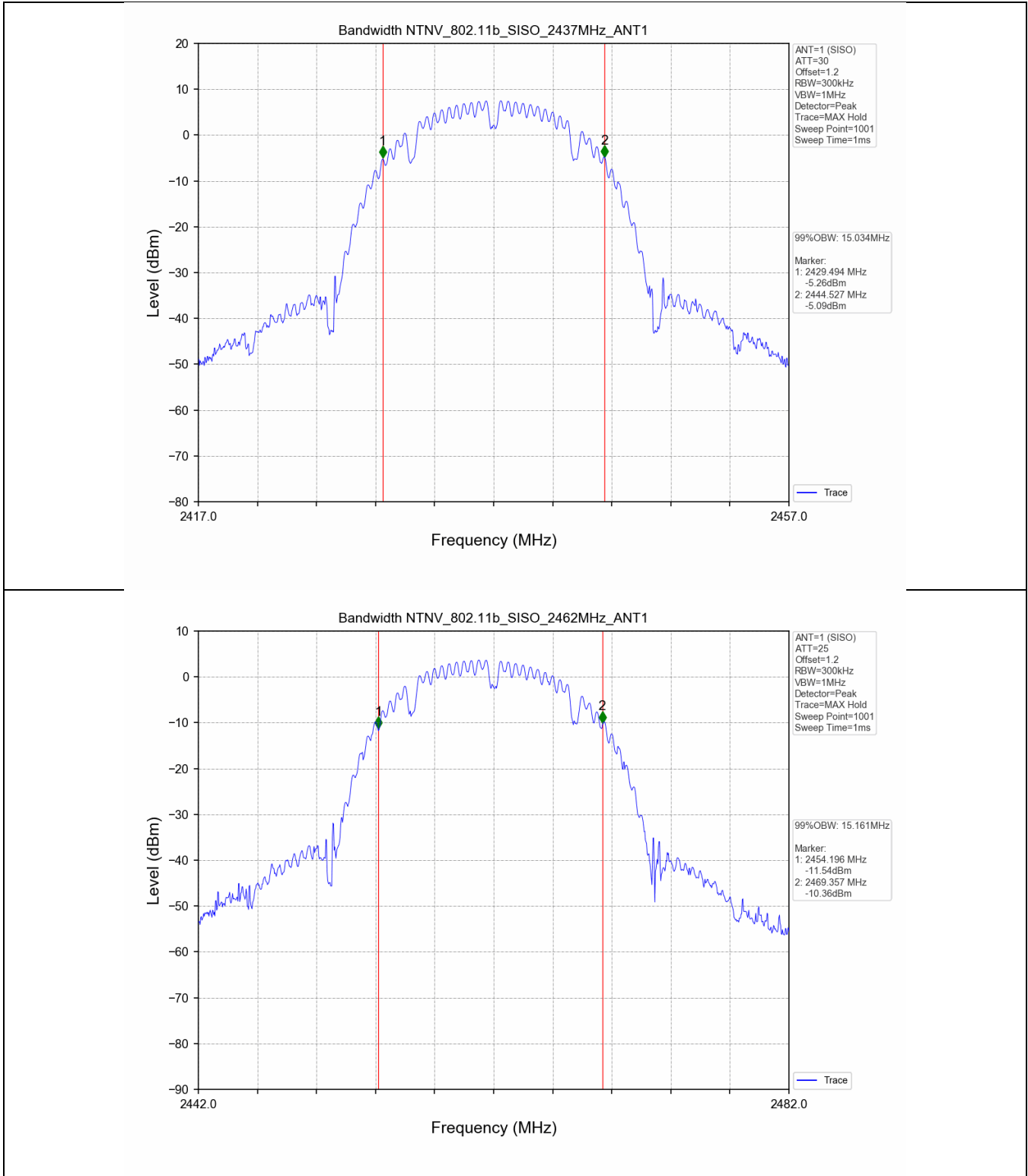


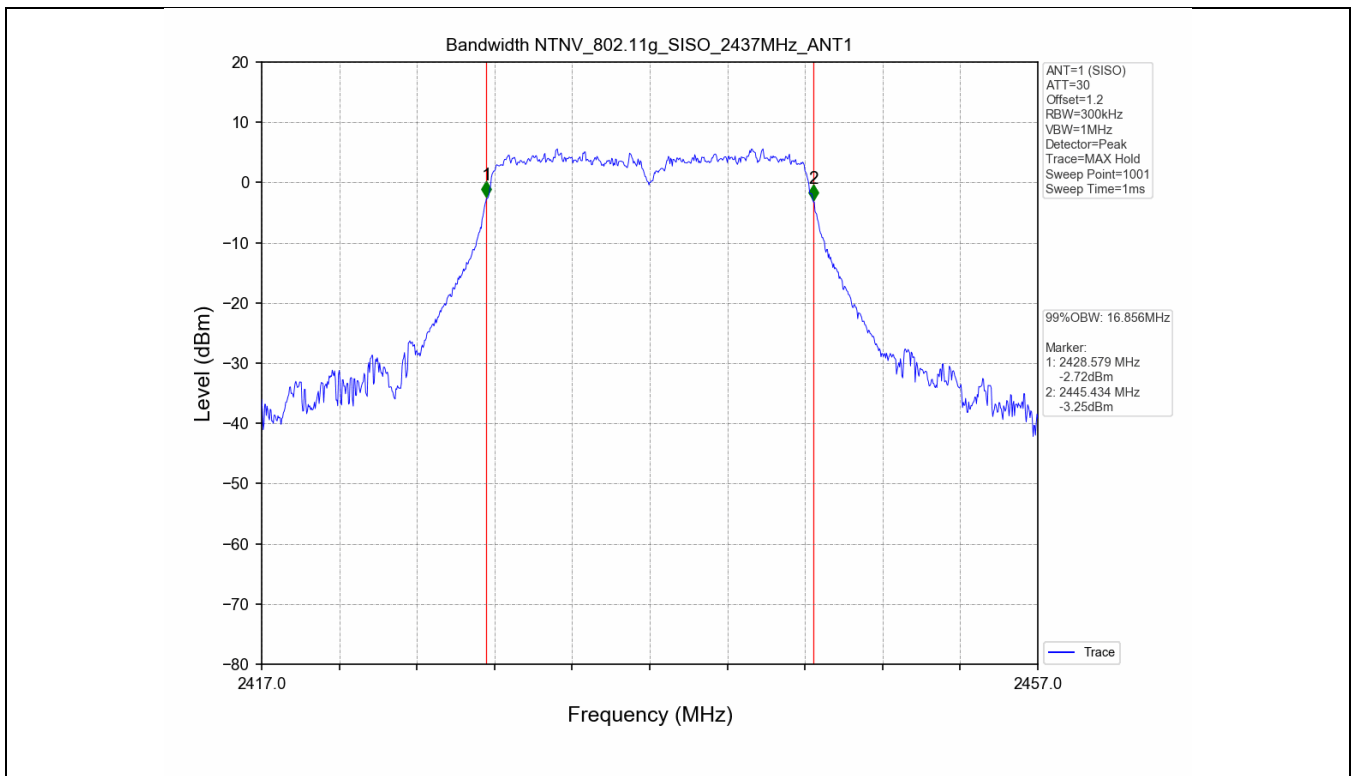
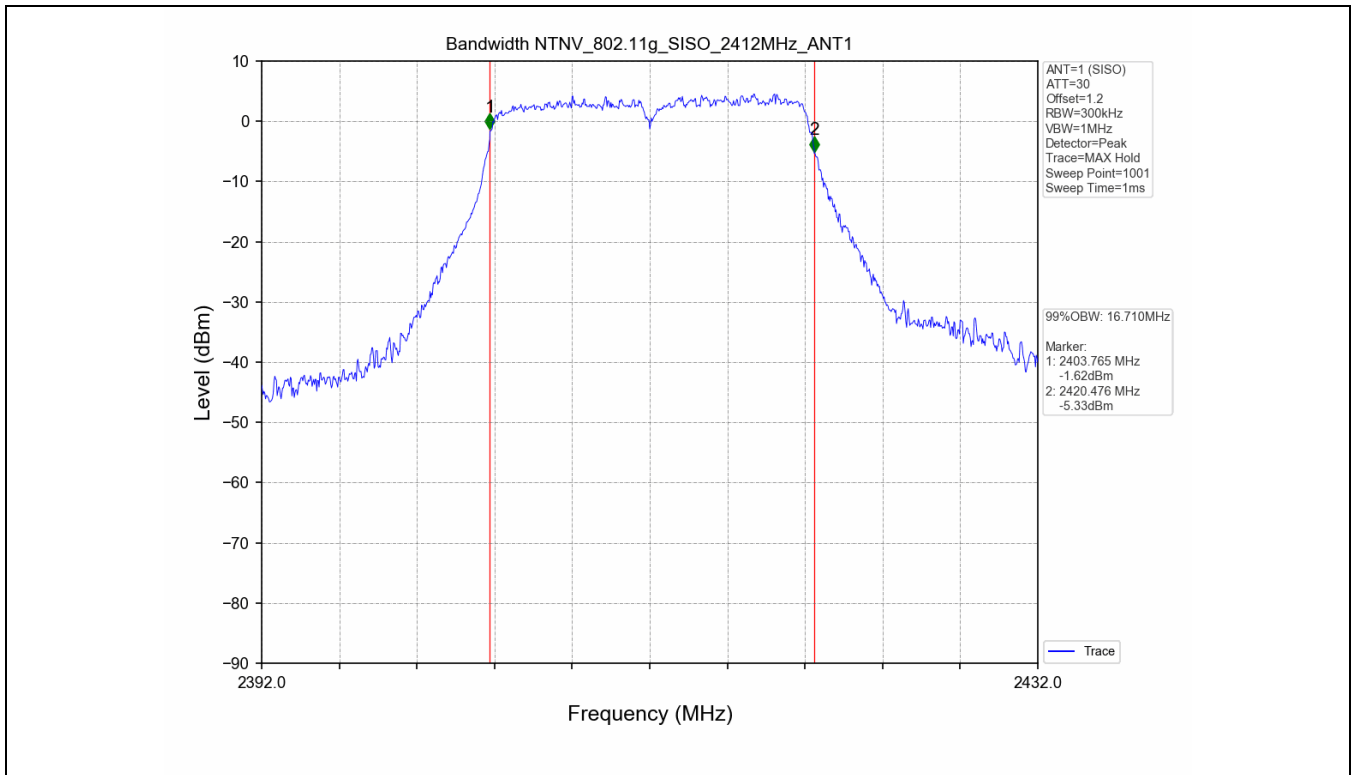




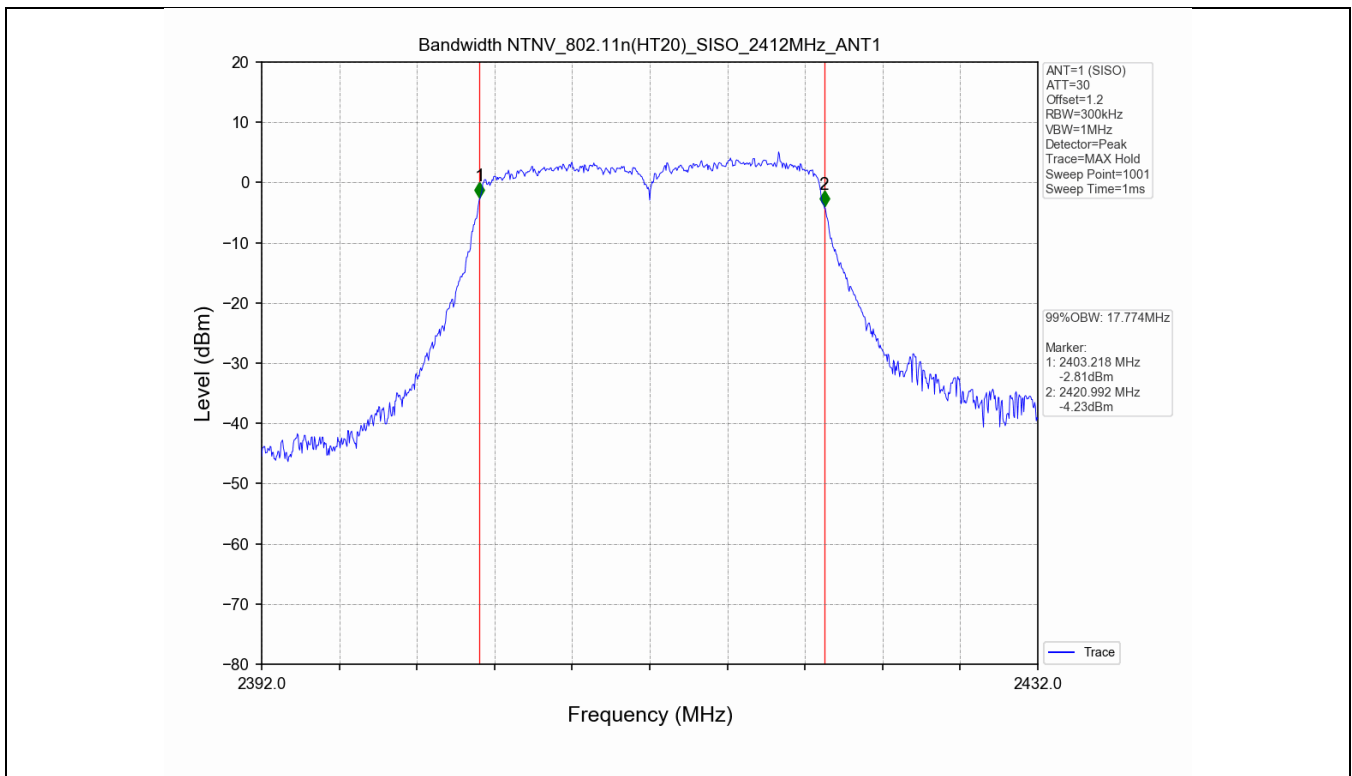
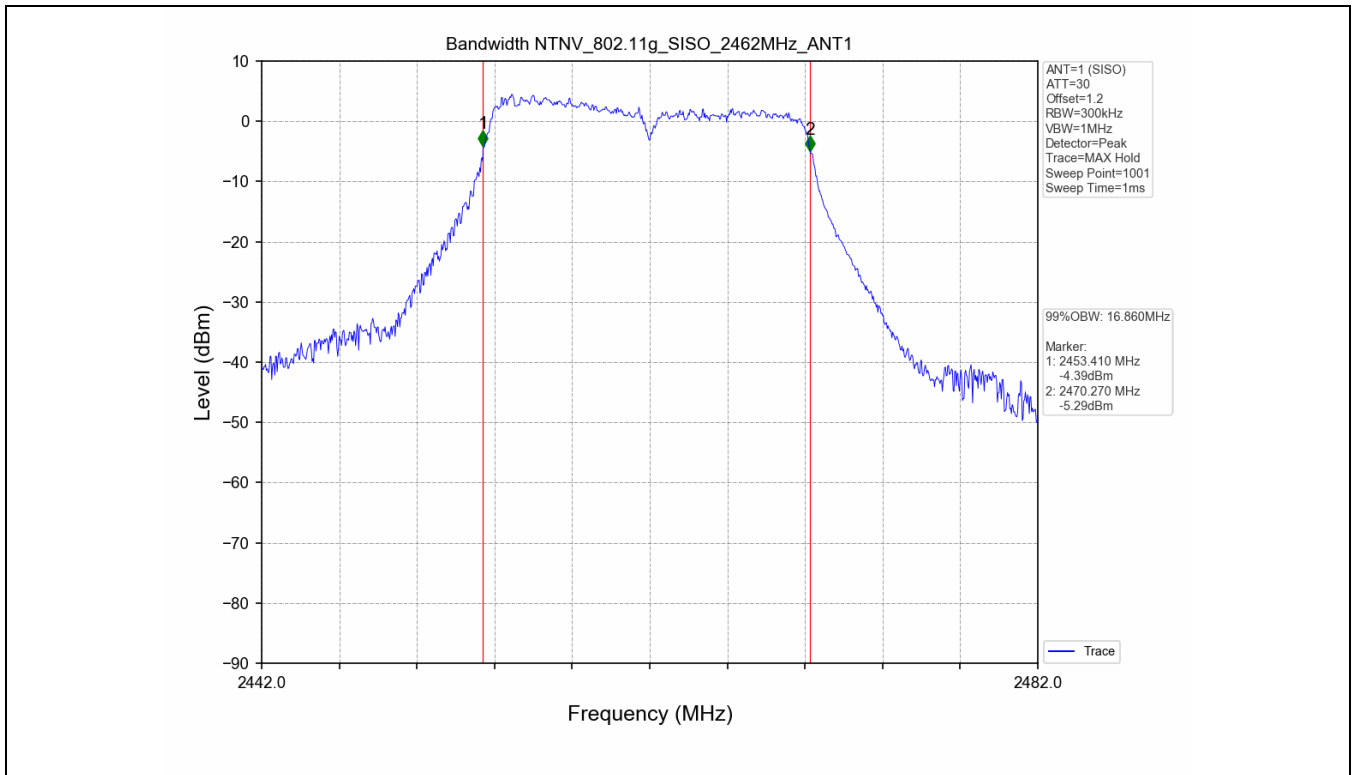
### 2.3 Test Graph - 99% Occupied Bandwidth

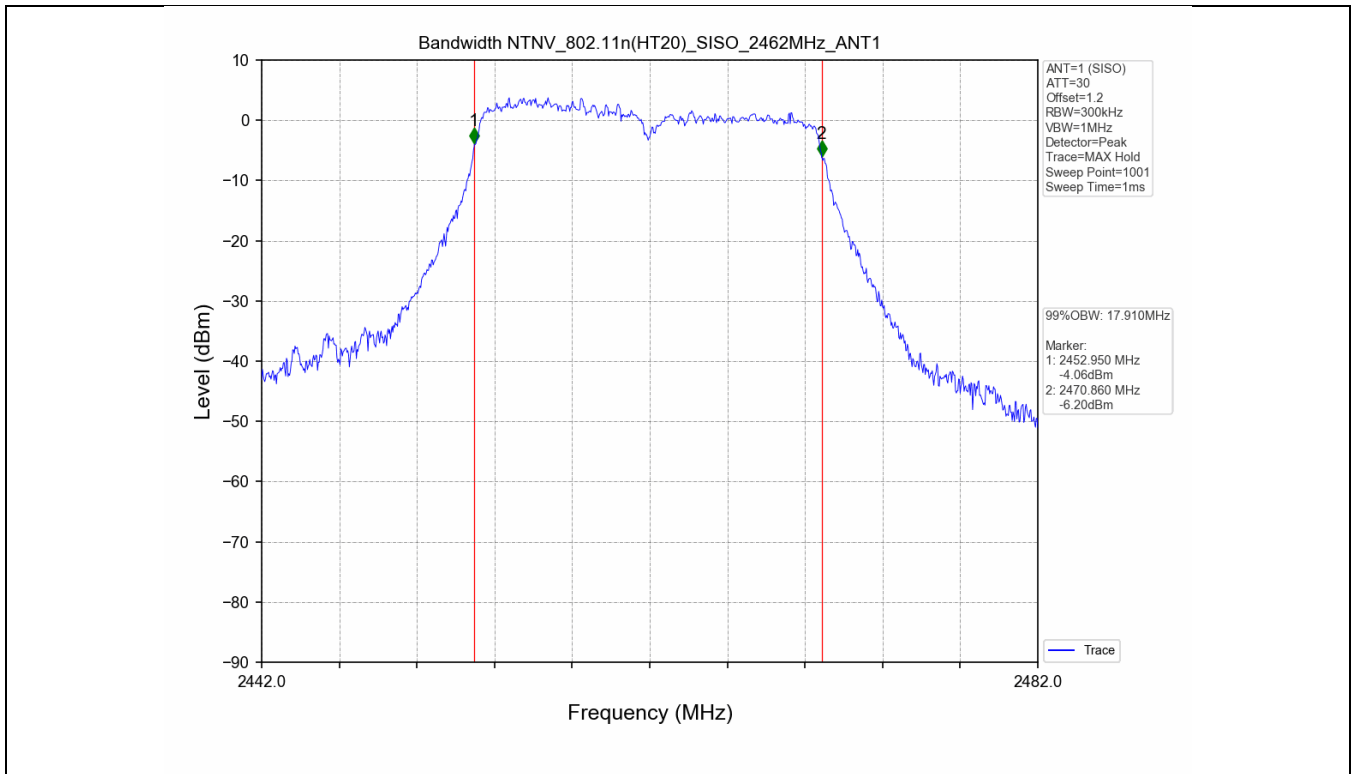
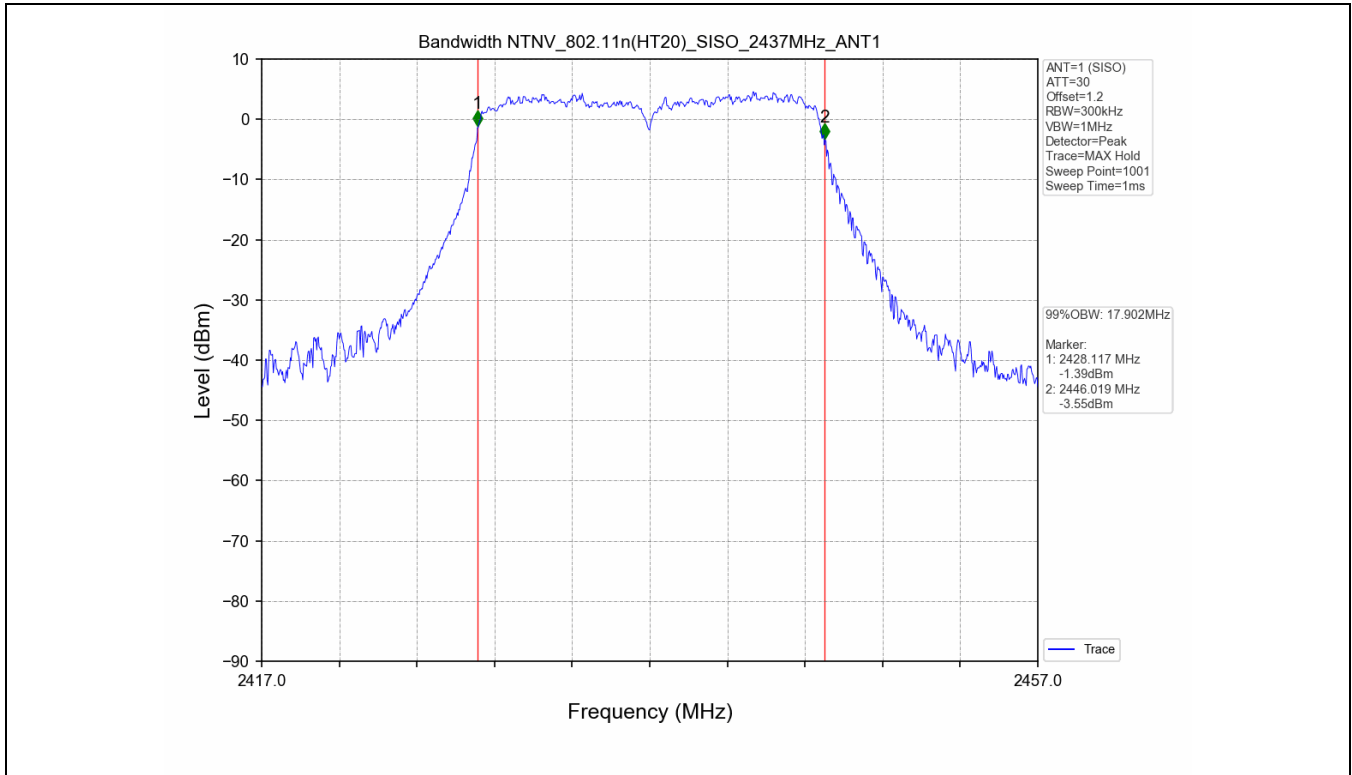


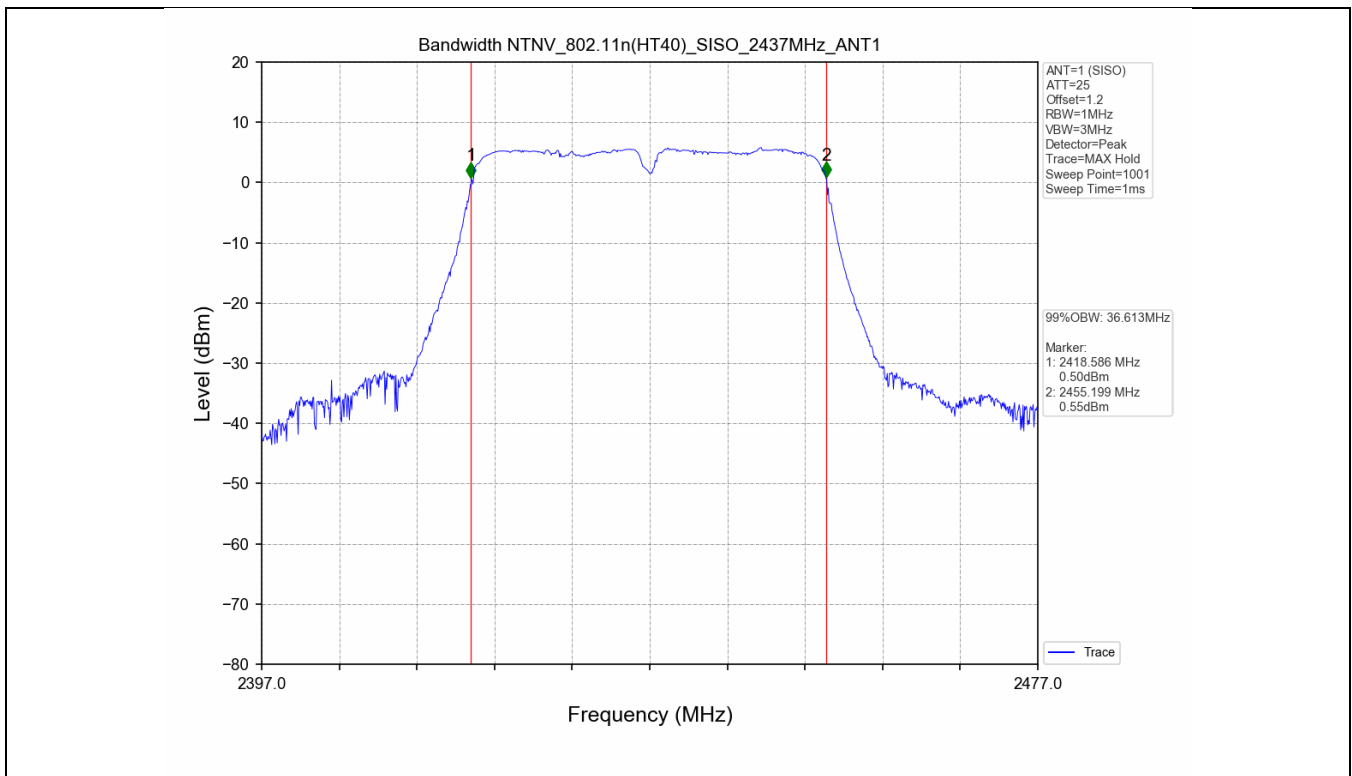
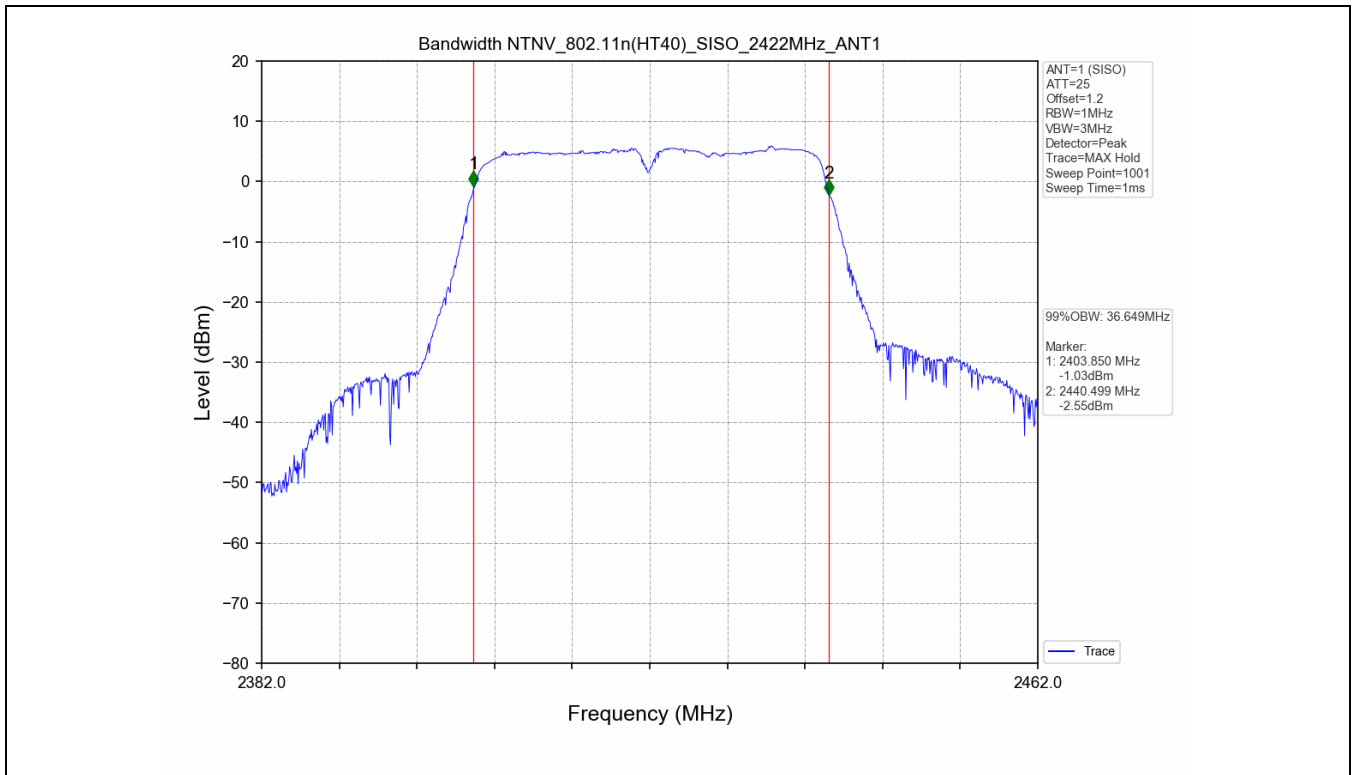


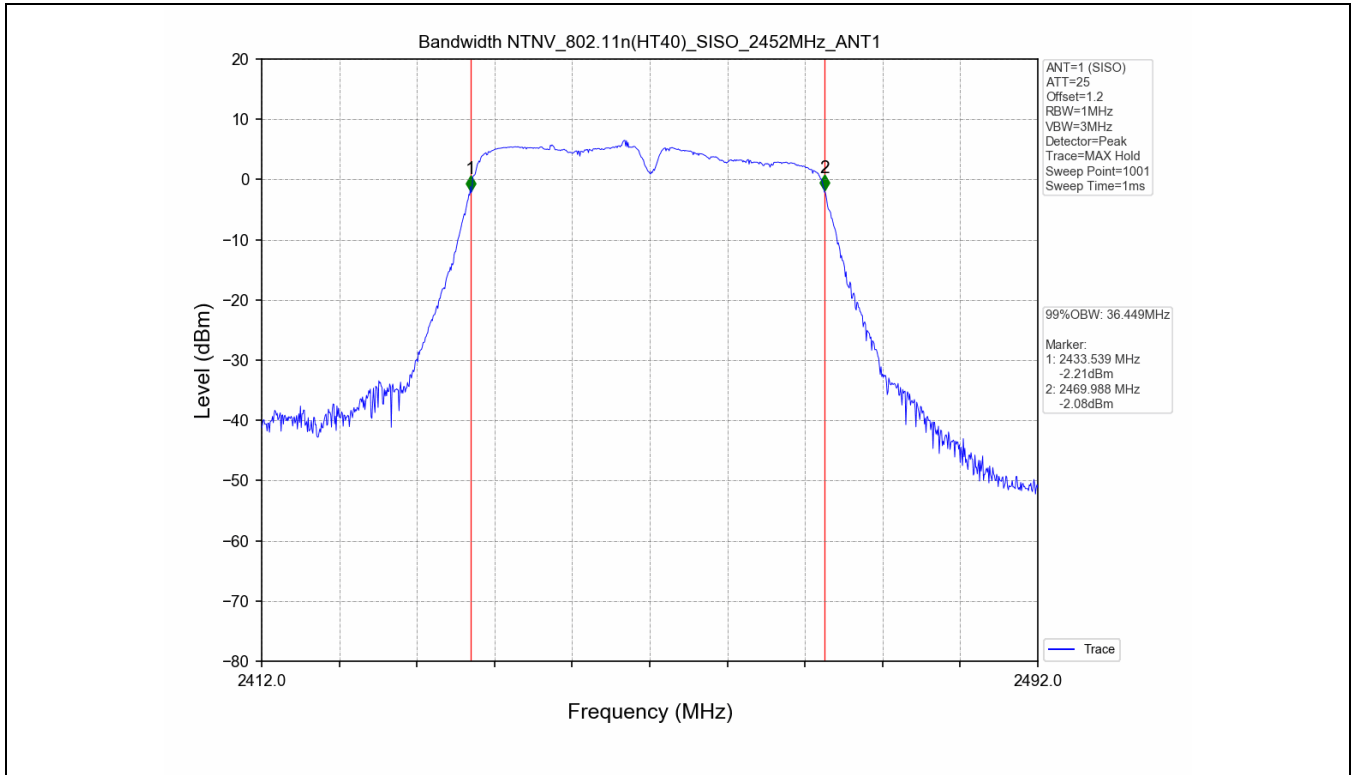










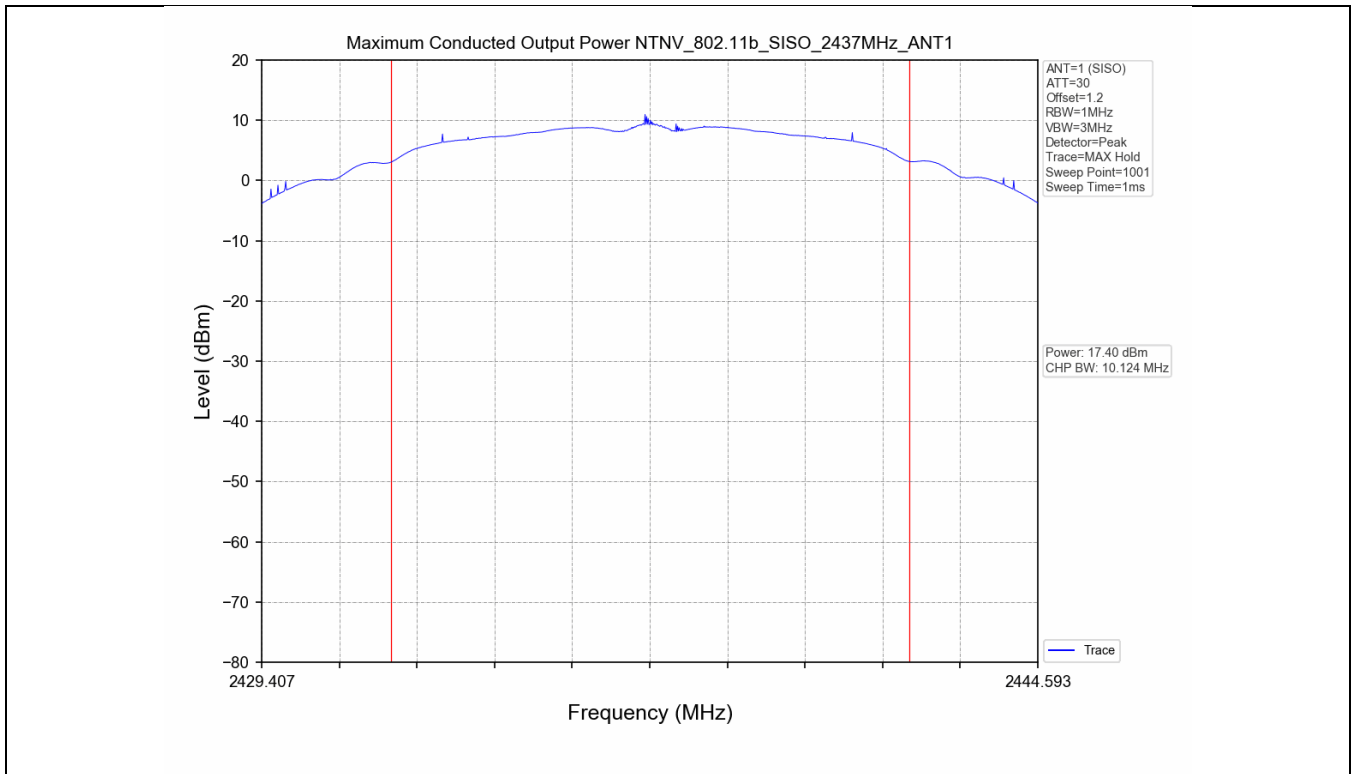
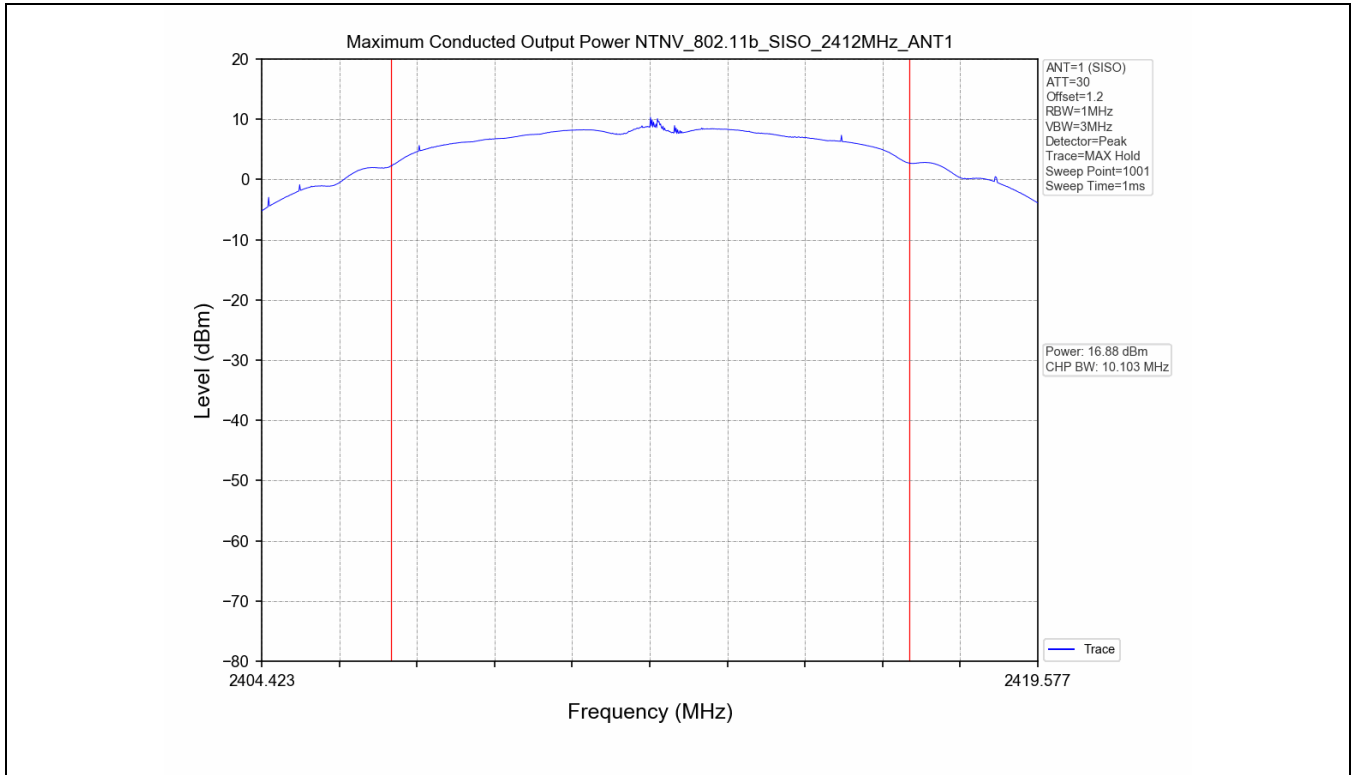


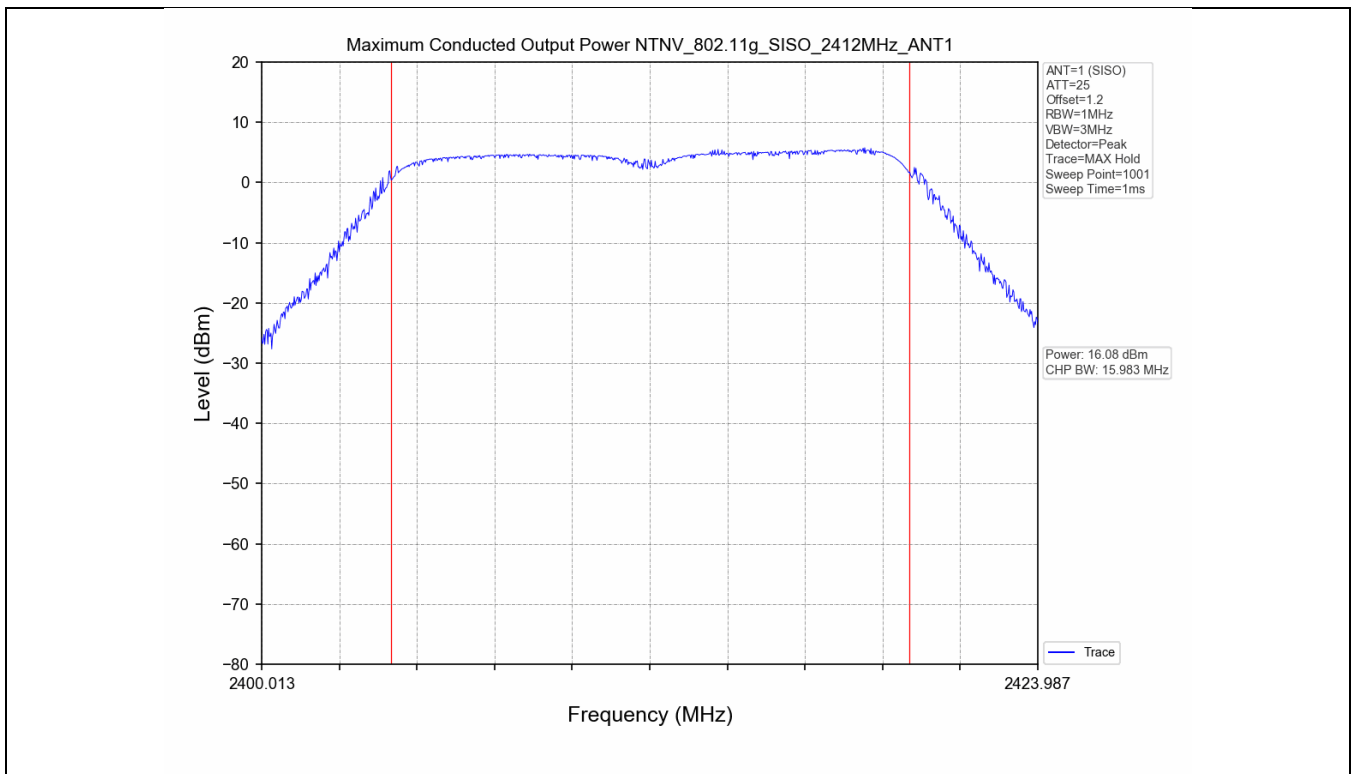
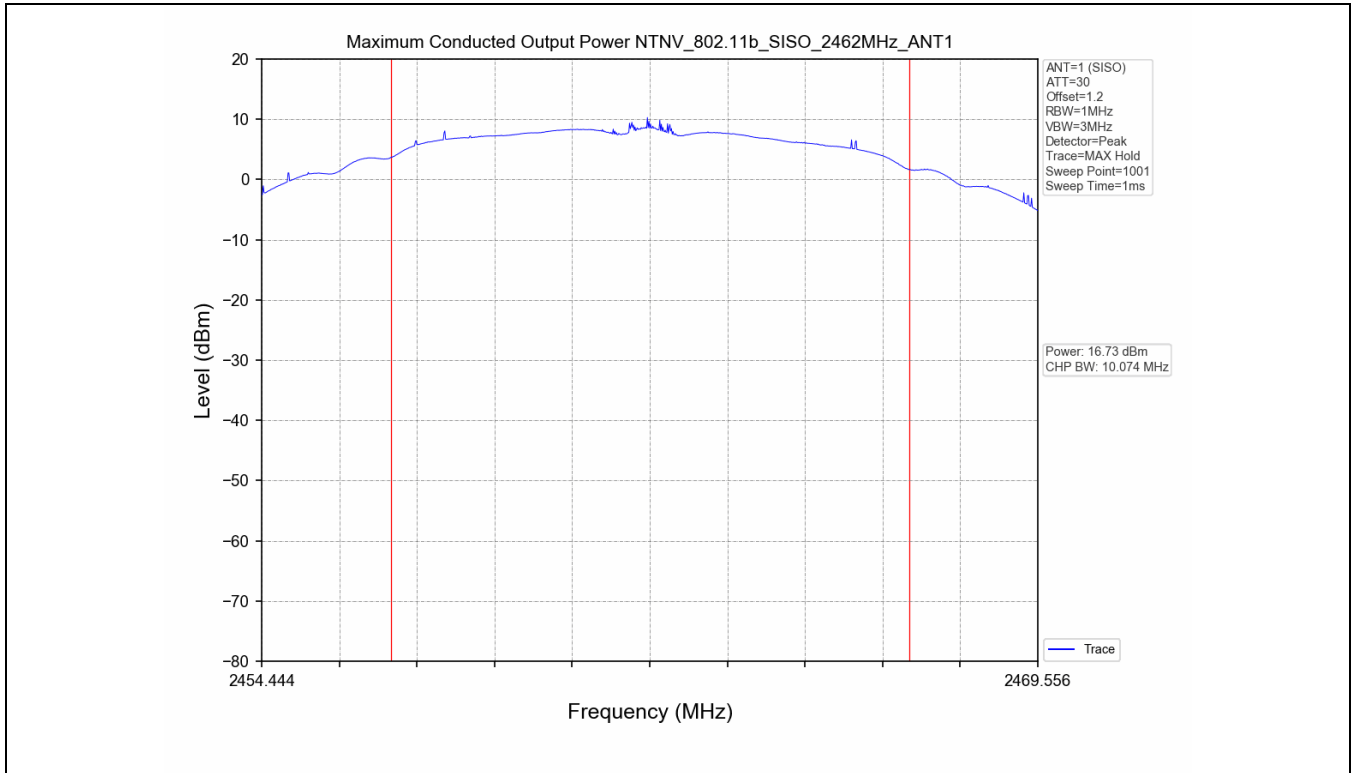
### 3. Maximum Conducted Output Power

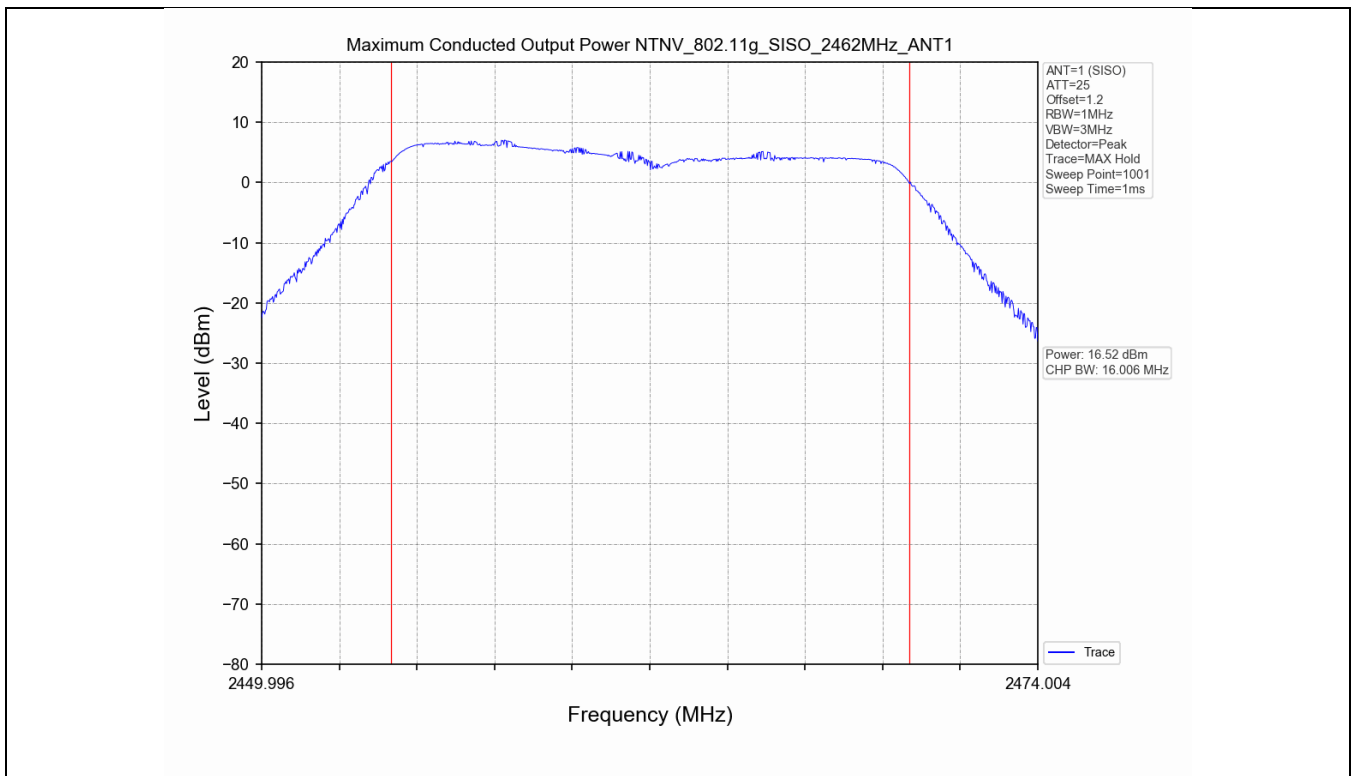
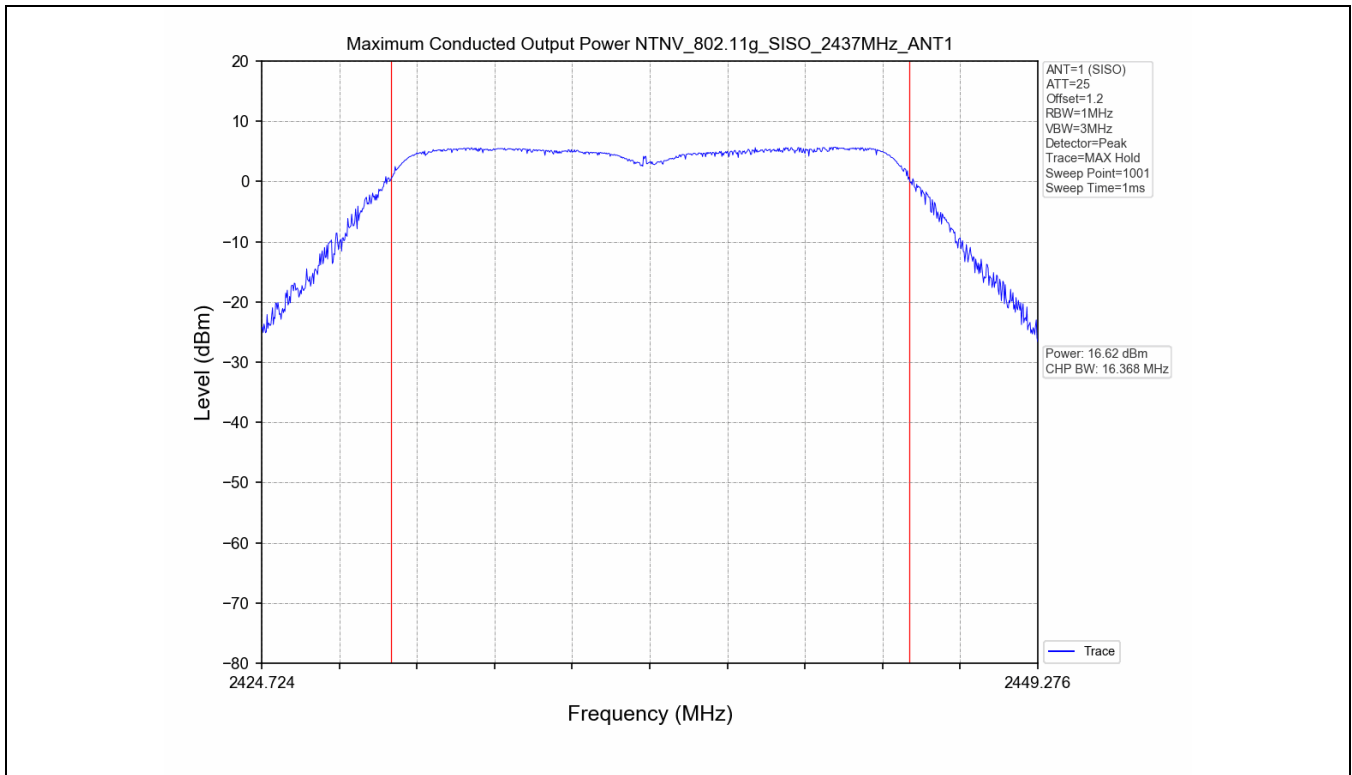
#### 3.1 Test Result

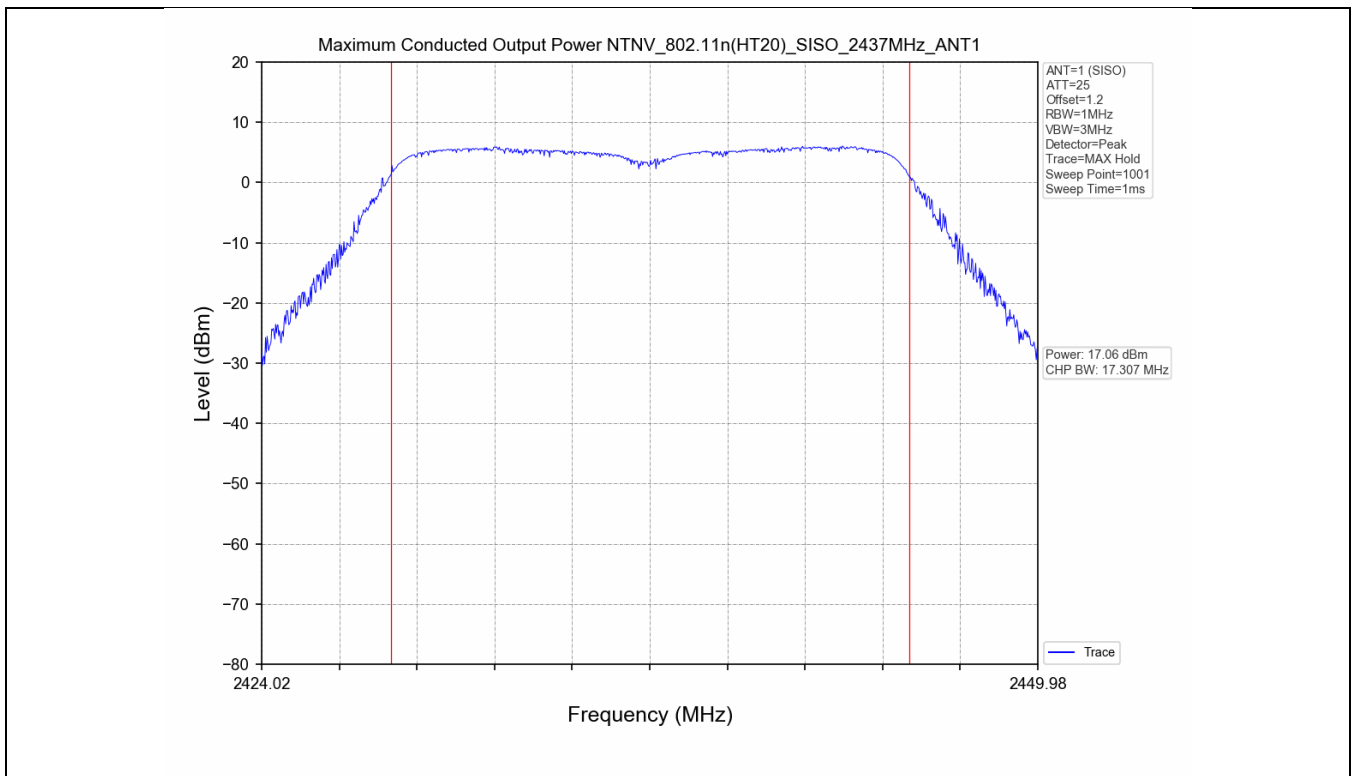
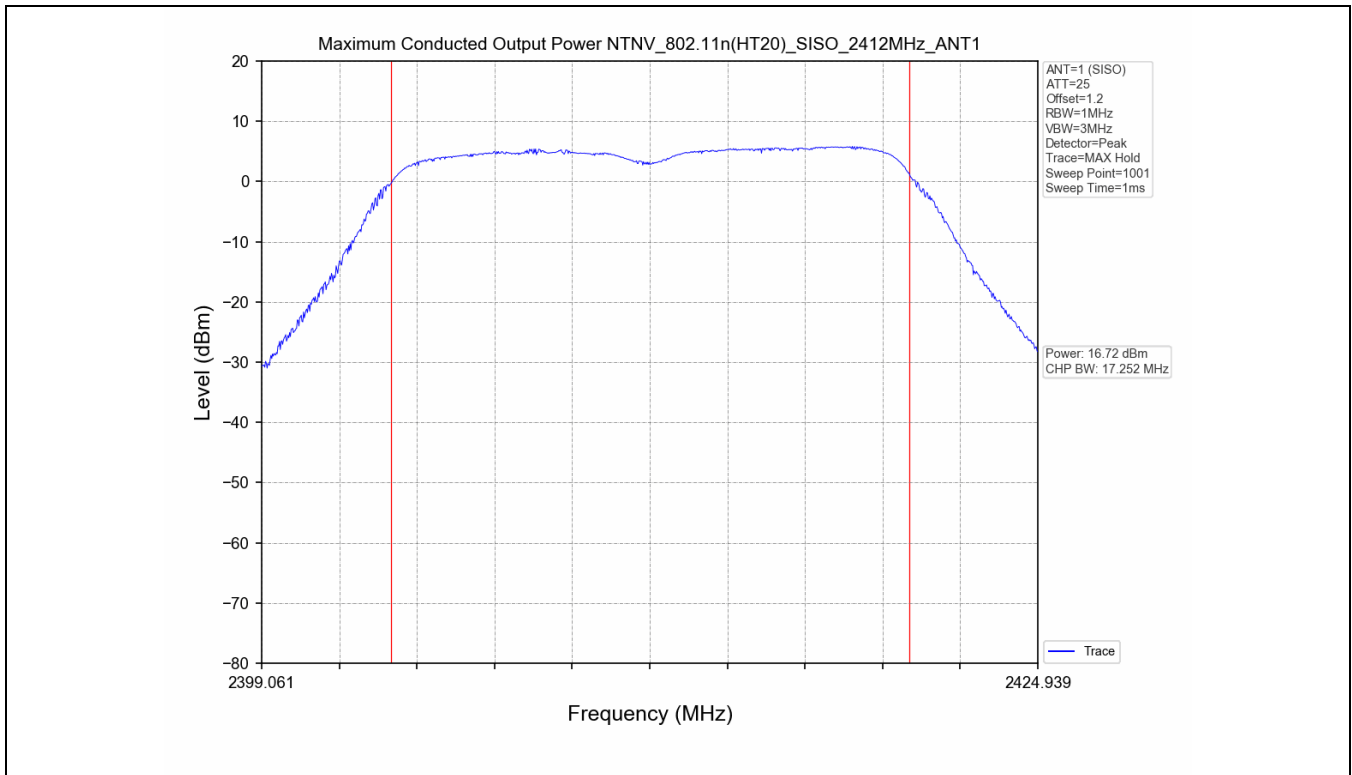
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	16.88	30	PASS
	2437	SISO	17.40	30	PASS
	2462	SISO	16.73	30	PASS
802.11g	2412	SISO	16.08	30	PASS
	2437	SISO	16.62	30	PASS
	2462	SISO	16.52	30	PASS
802.11n(HT20)	2412	SISO	16.72	30	PASS
	2437	SISO	17.06	30	PASS
	2462	SISO	17.62	30	PASS
802.11n(HT40)	2422	SISO	16.63	30	PASS
	2437	SISO	17.23	30	PASS
	2452	SISO	17.56	30	PASS

#### 3.2 Test Graph

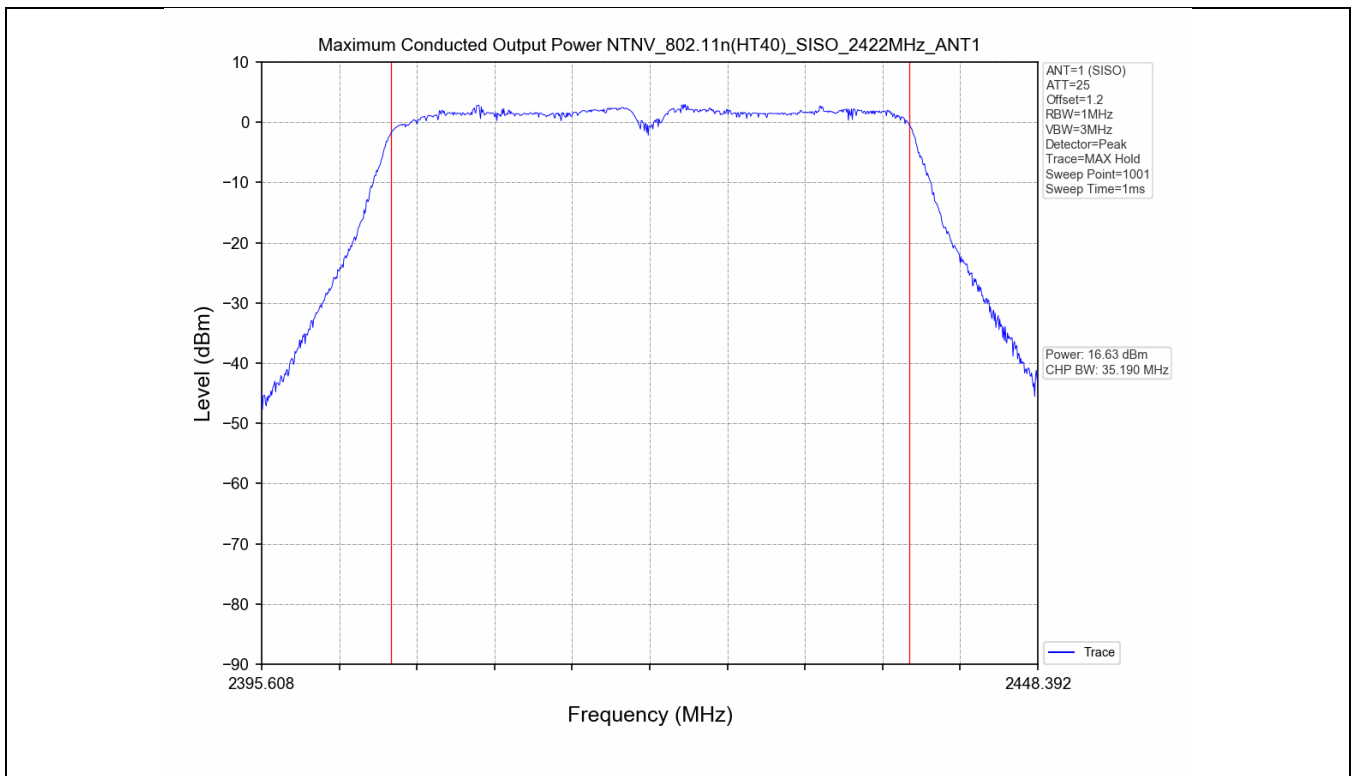
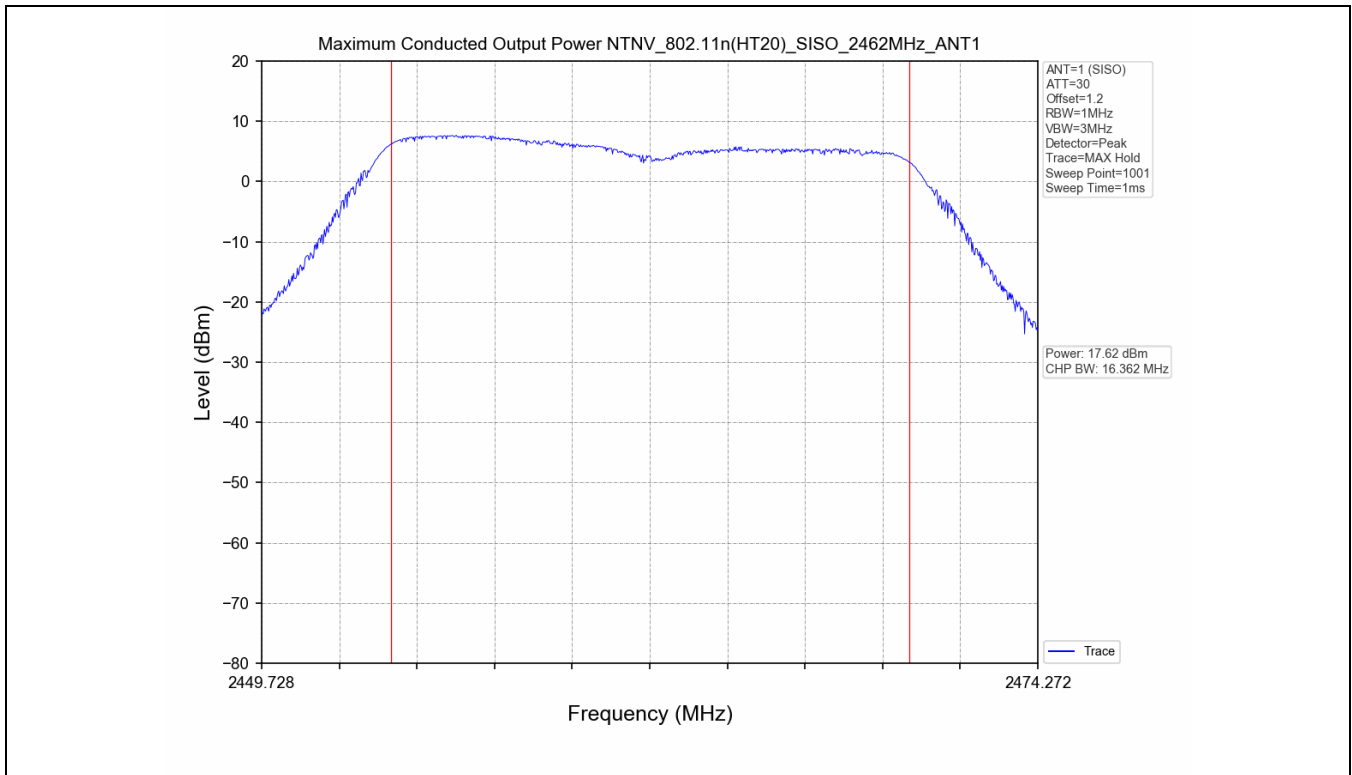


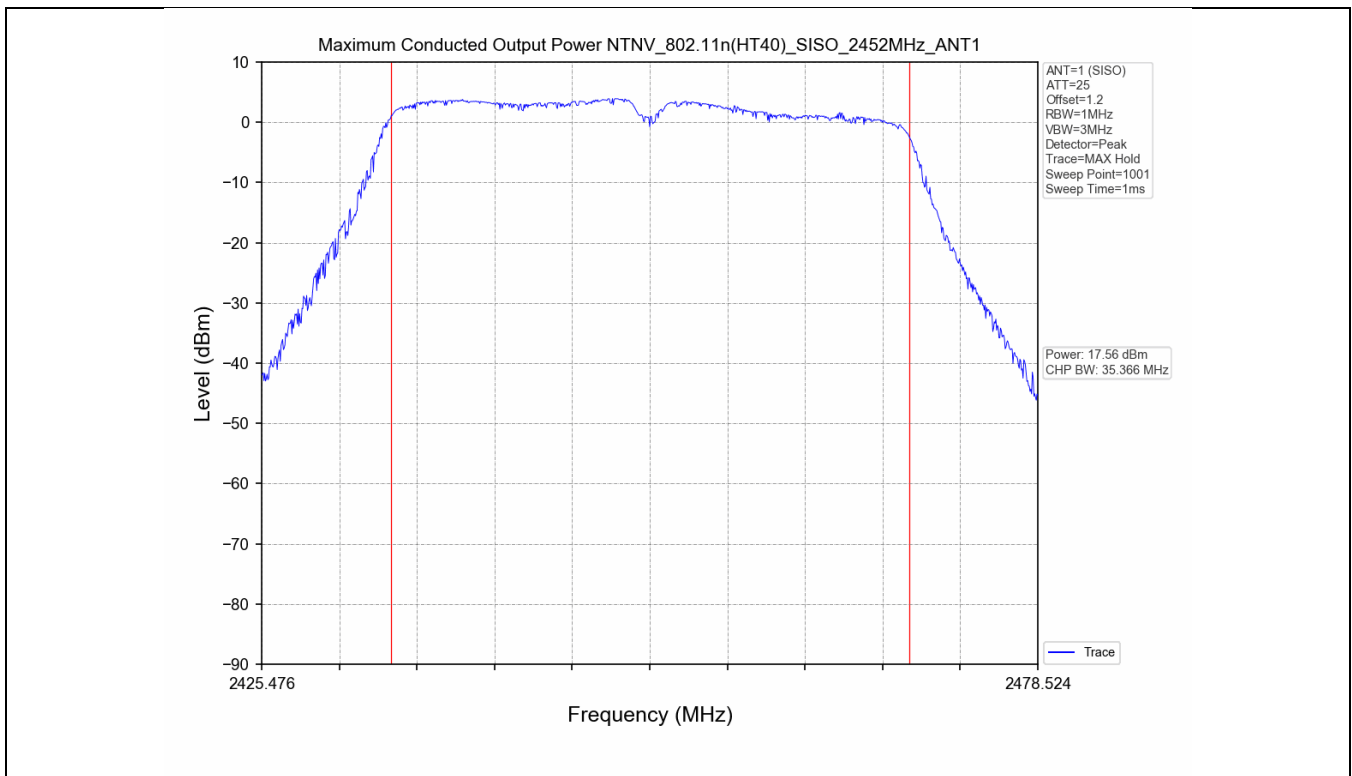
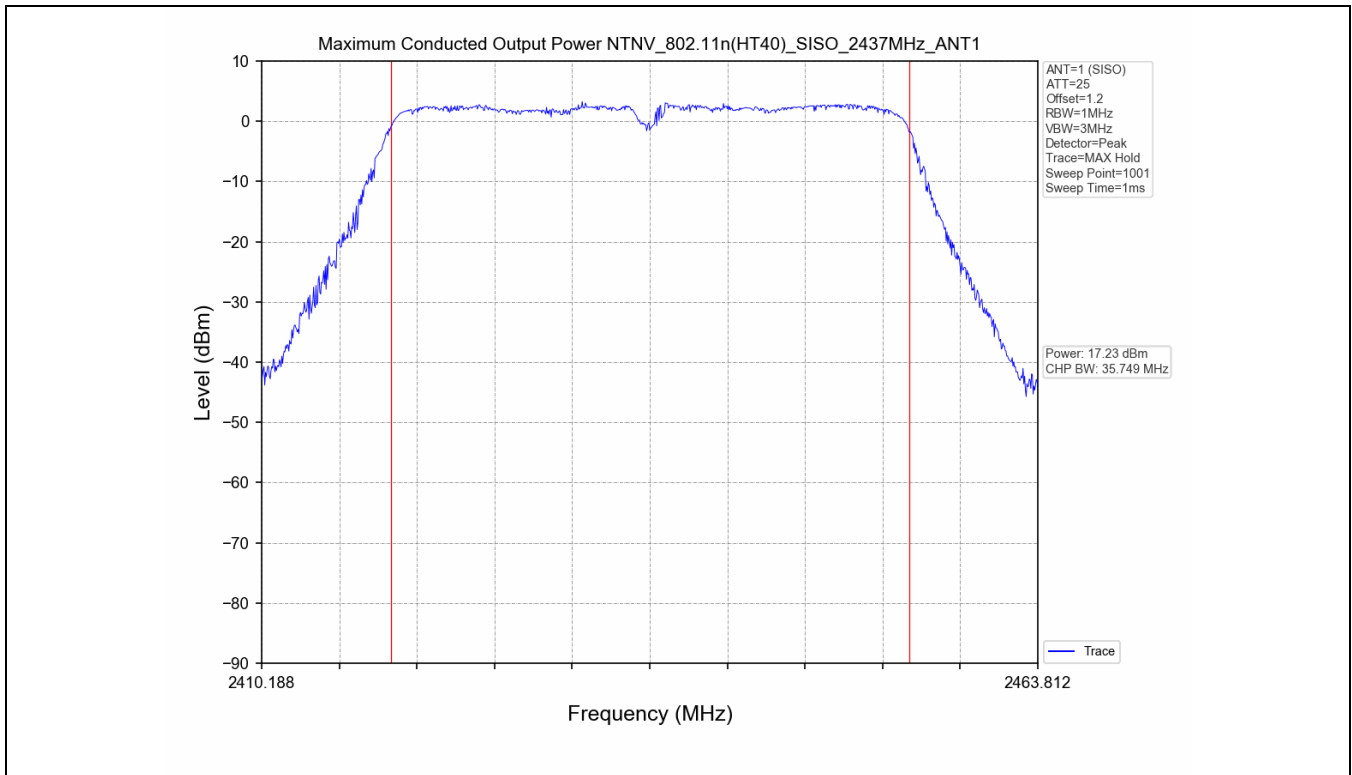










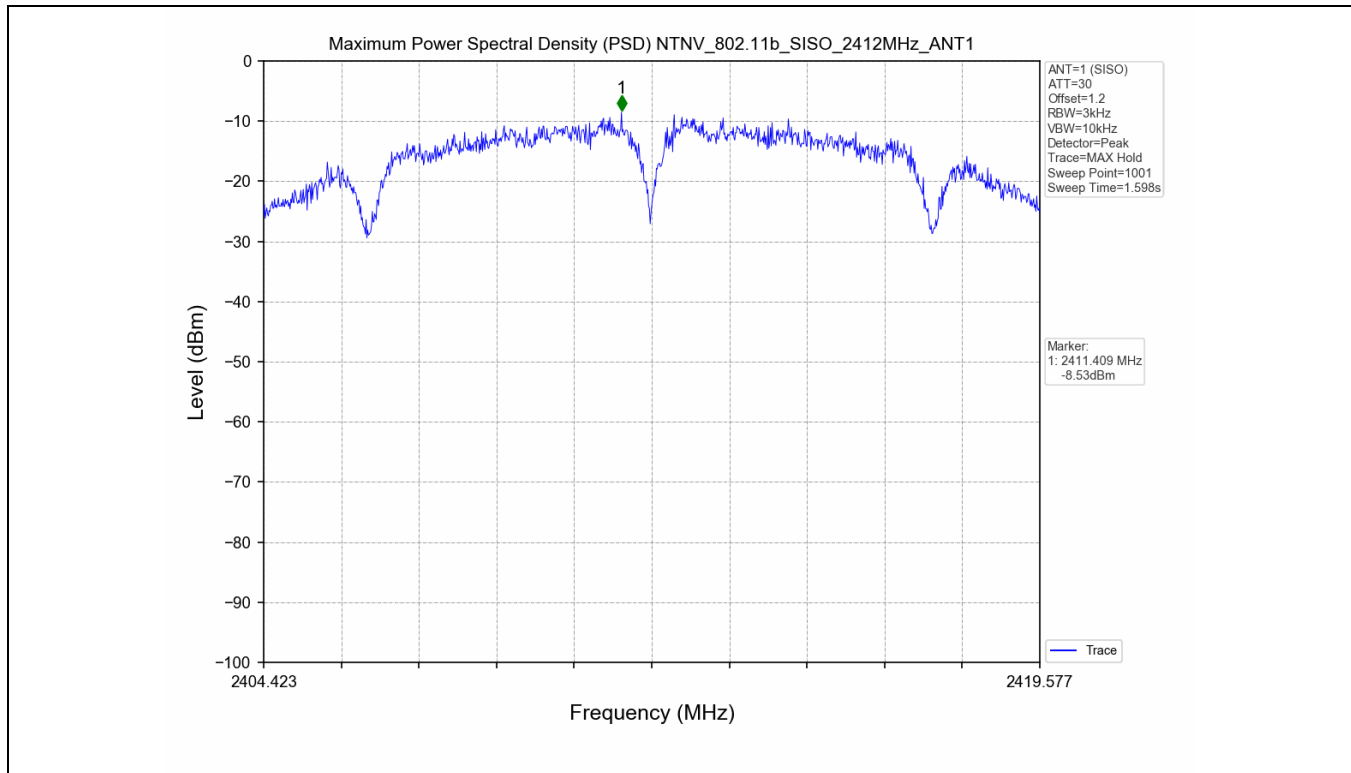


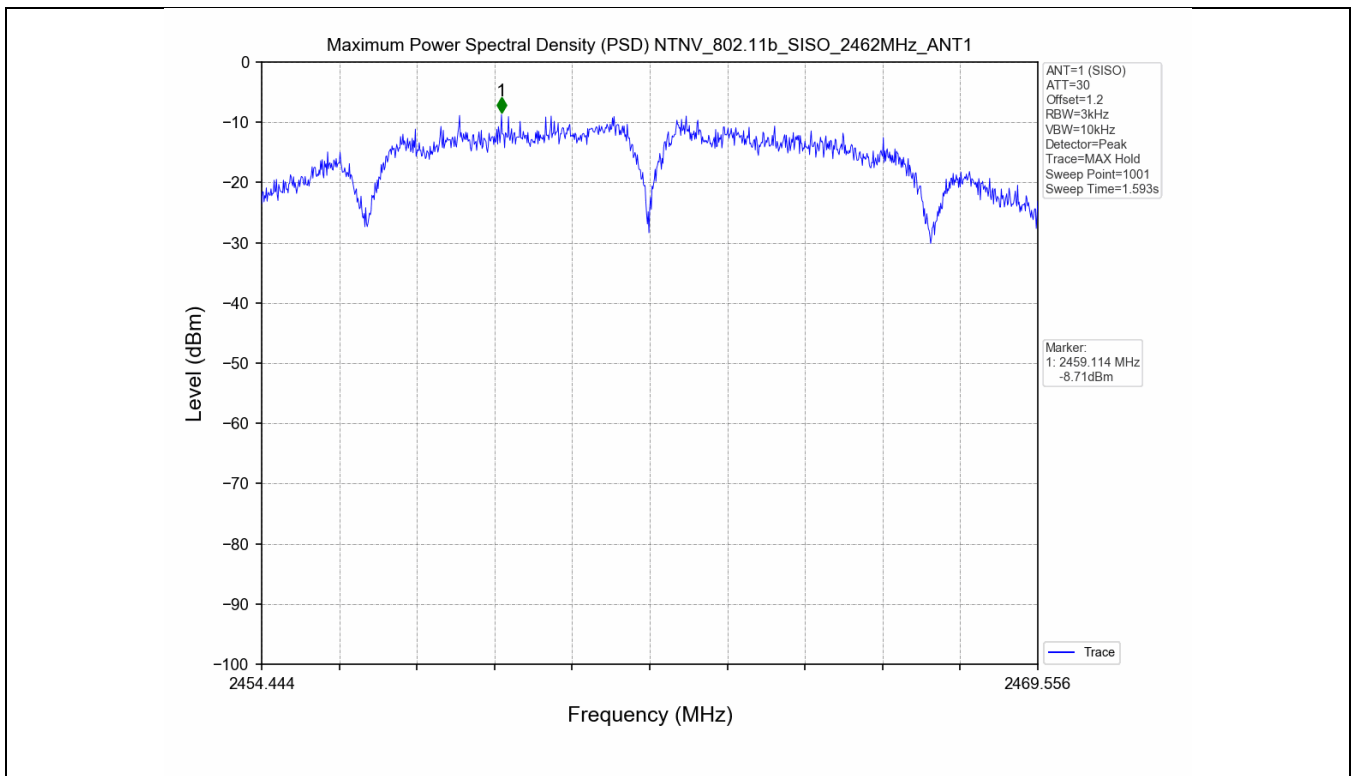
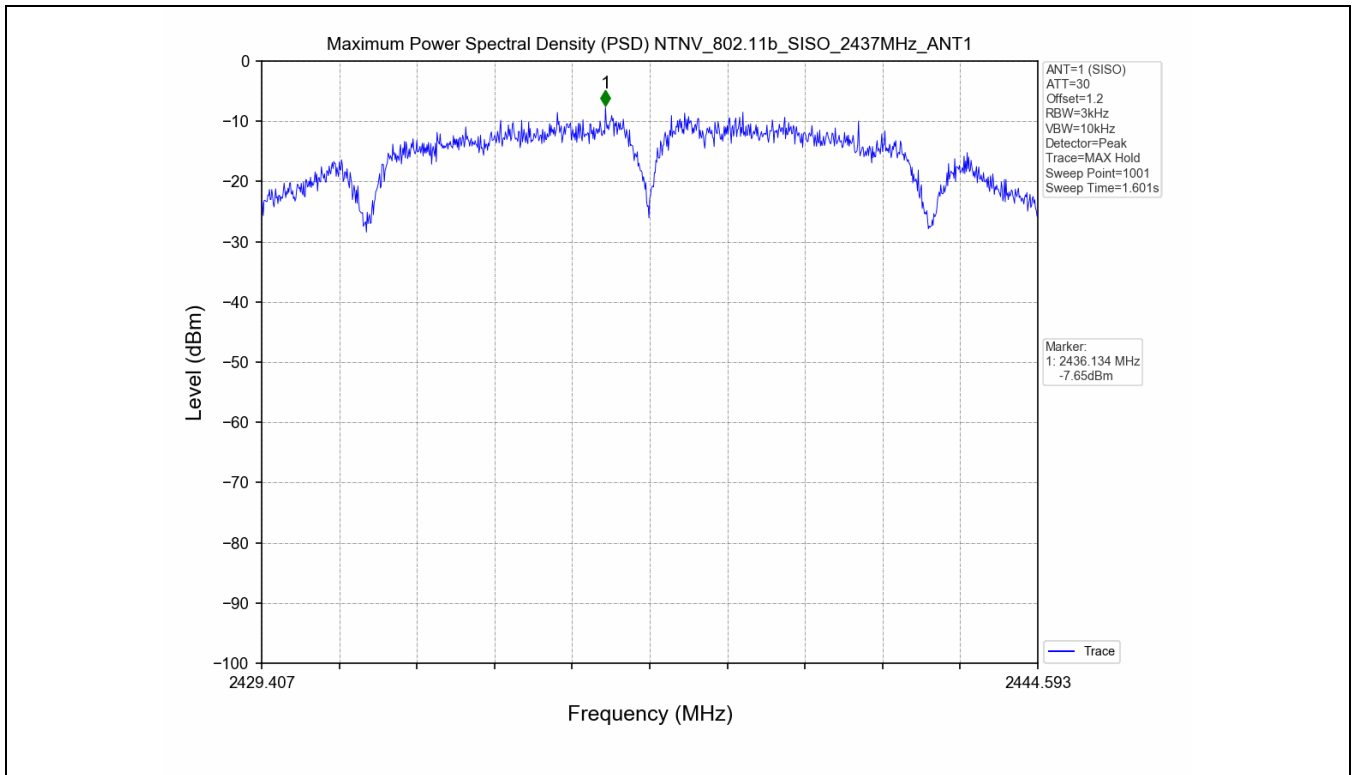
## 4. Maximum Power Spectral Density (PSD)

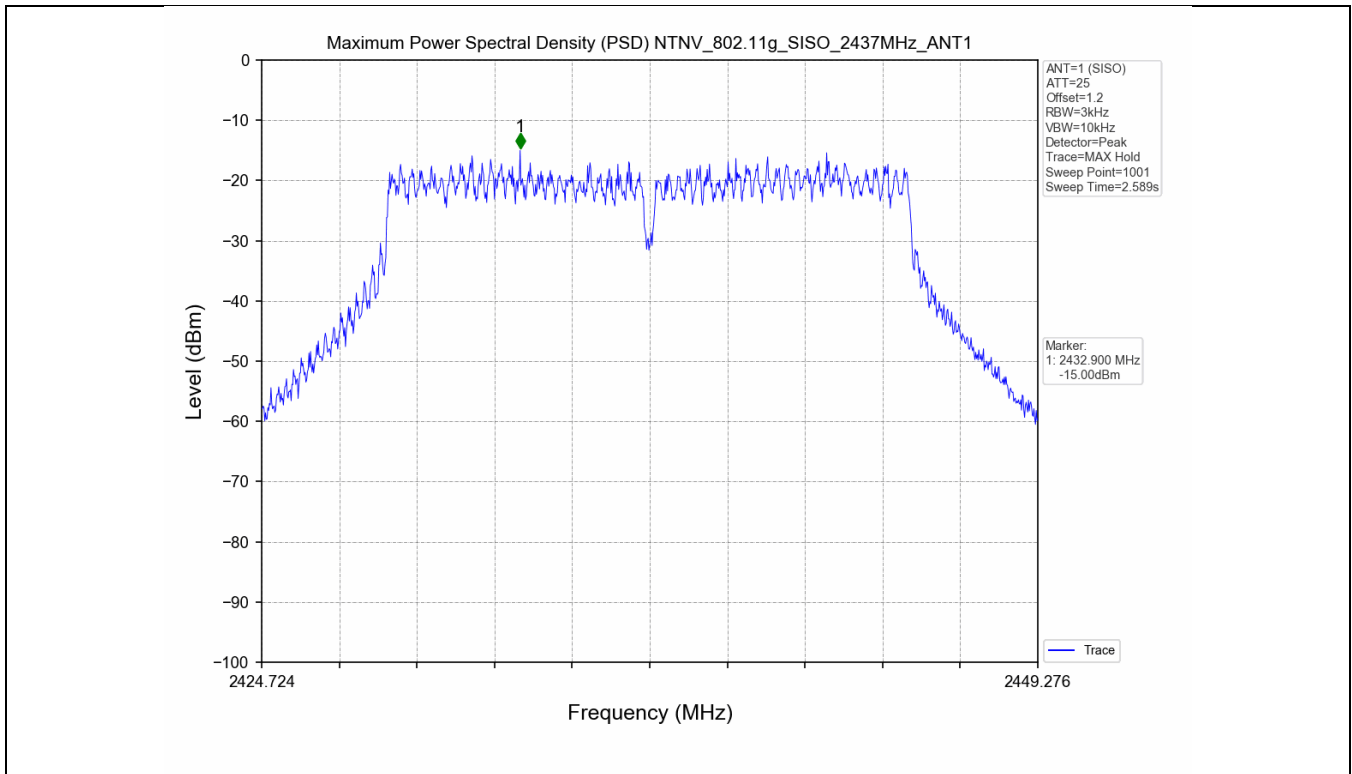
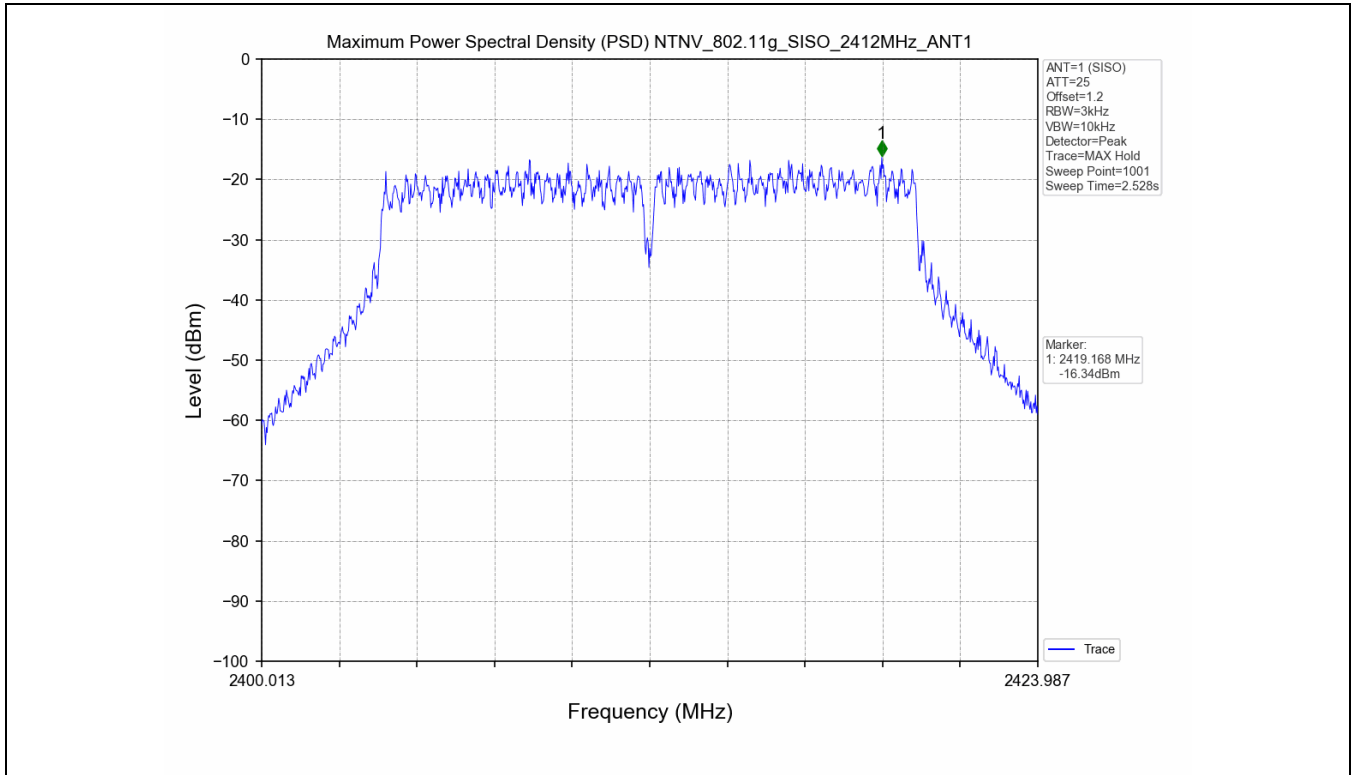
### 4.1 Test Result

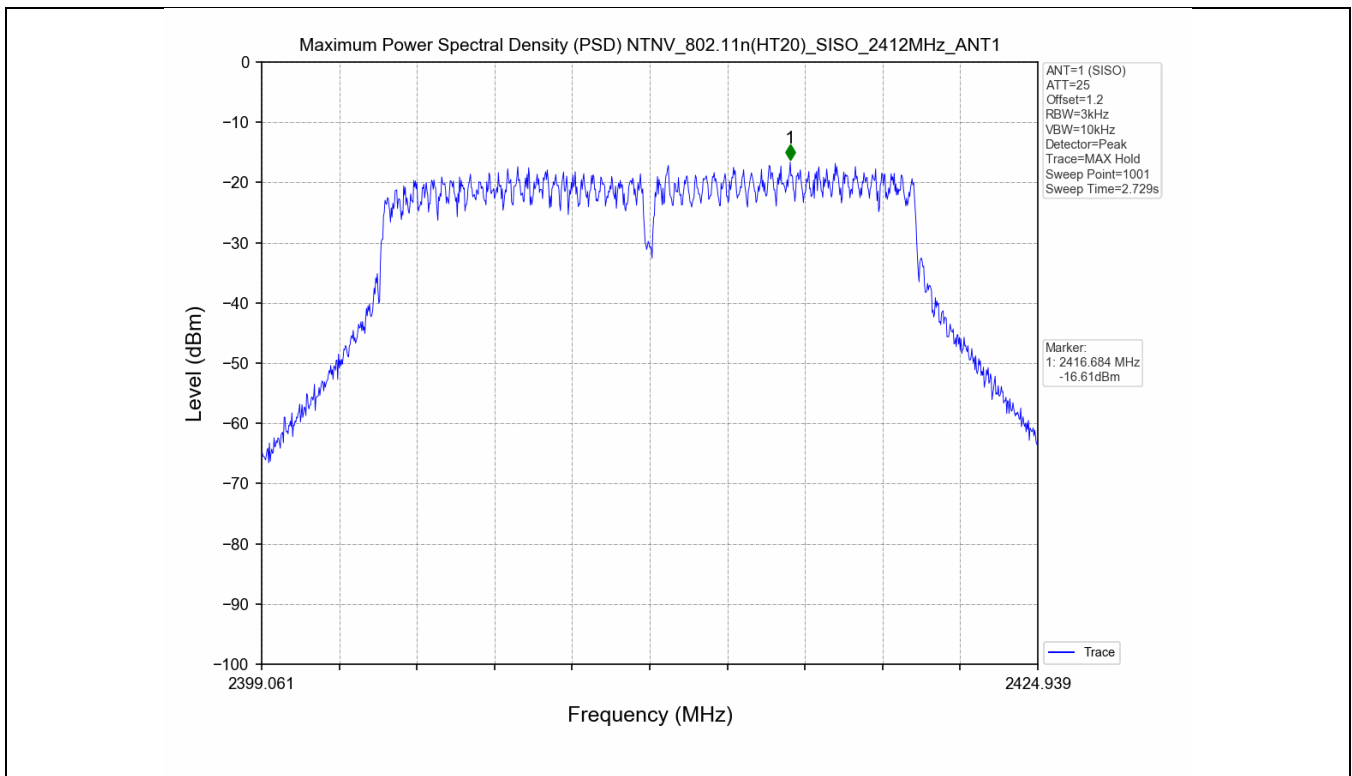
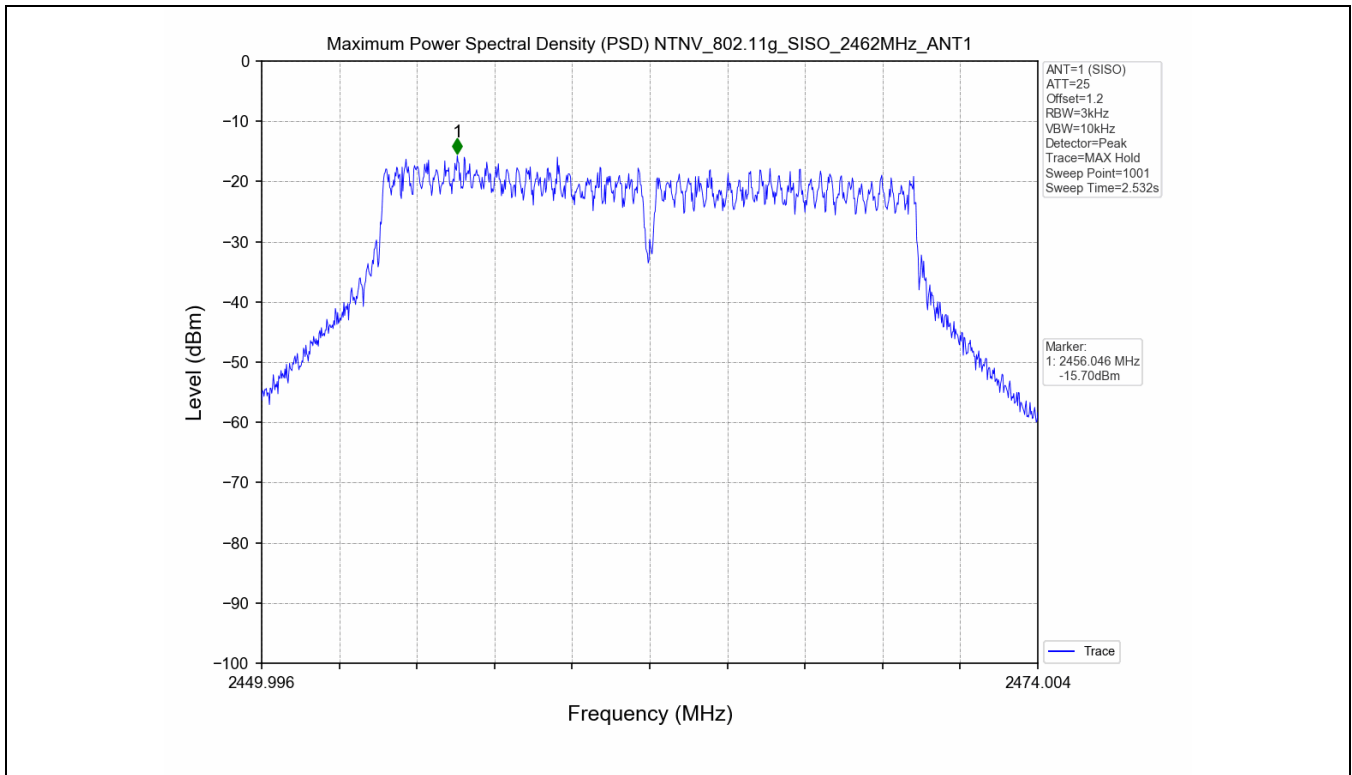
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3KHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-8.53	≤8	PASS
	2437	SISO	-7.65	≤8	PASS
	2462	SISO	-8.71	≤8	PASS
802.11g	2412	SISO	-16.34	≤8	PASS
	2437	SISO	-15.00	≤8	PASS
	2462	SISO	-15.70	≤8	PASS
802.11n(HT20)	2412	SISO	-16.61	≤8	PASS
	2437	SISO	-16.57	≤8	PASS
	2462	SISO	-15.10	≤8	PASS
802.11n(HT40)	2422	SISO	-19.18	≤8	PASS
	2437	SISO	-18.79	≤8	PASS
	2452	SISO	-17.13	≤8	PASS

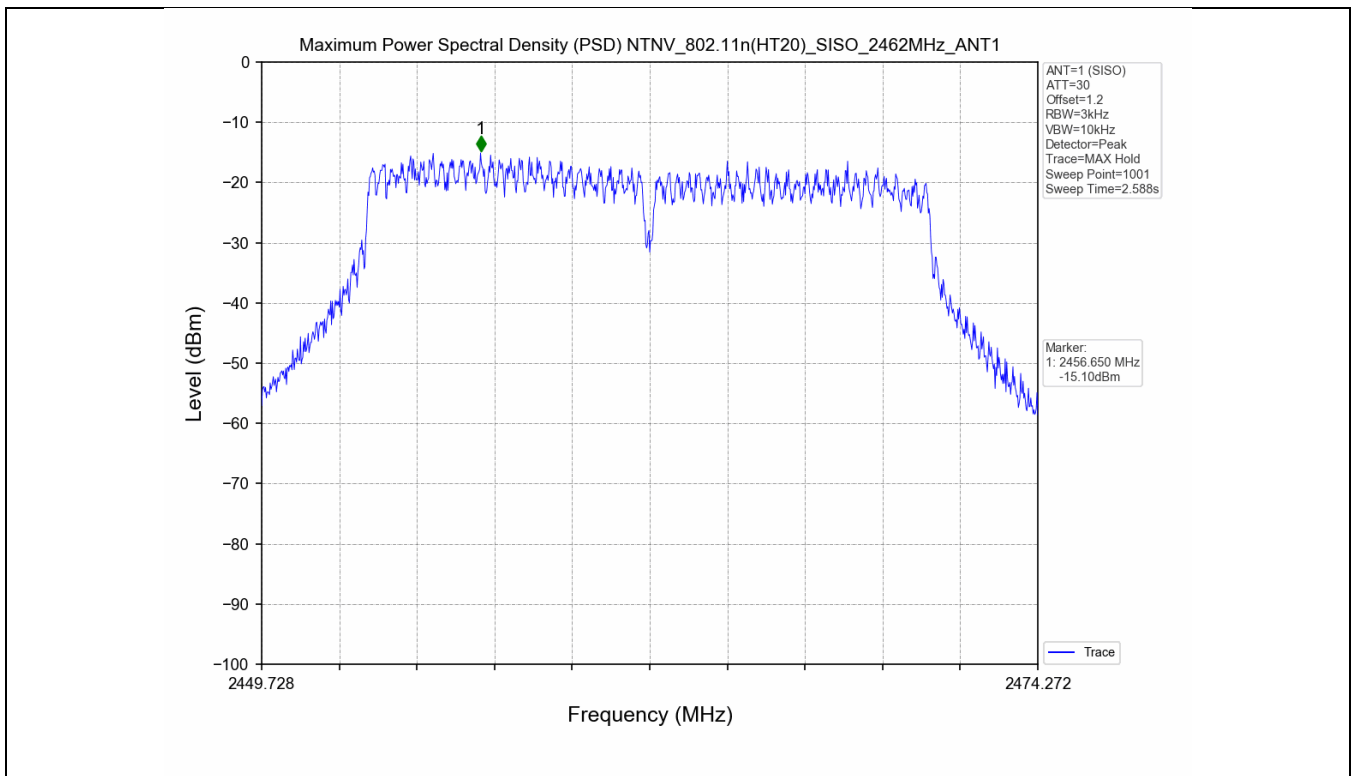
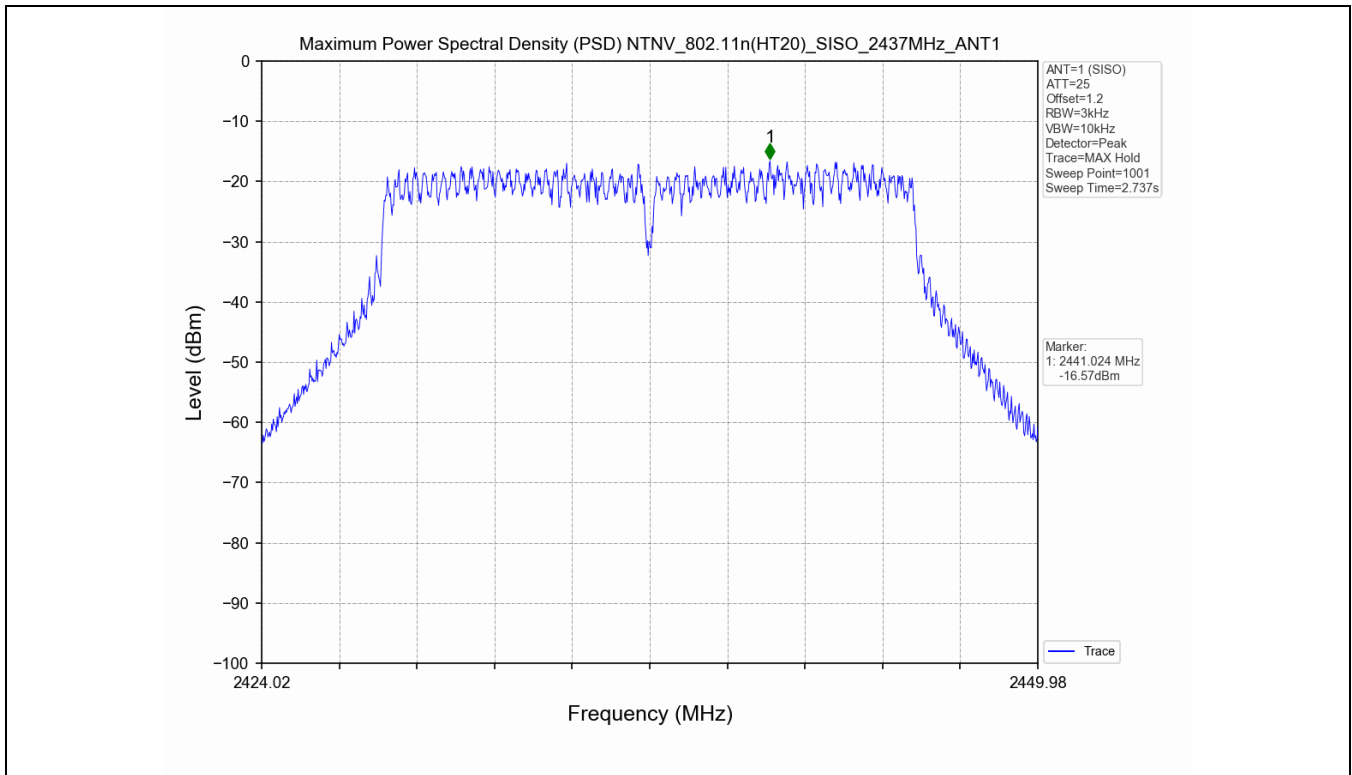
### 4.2 Test Graph

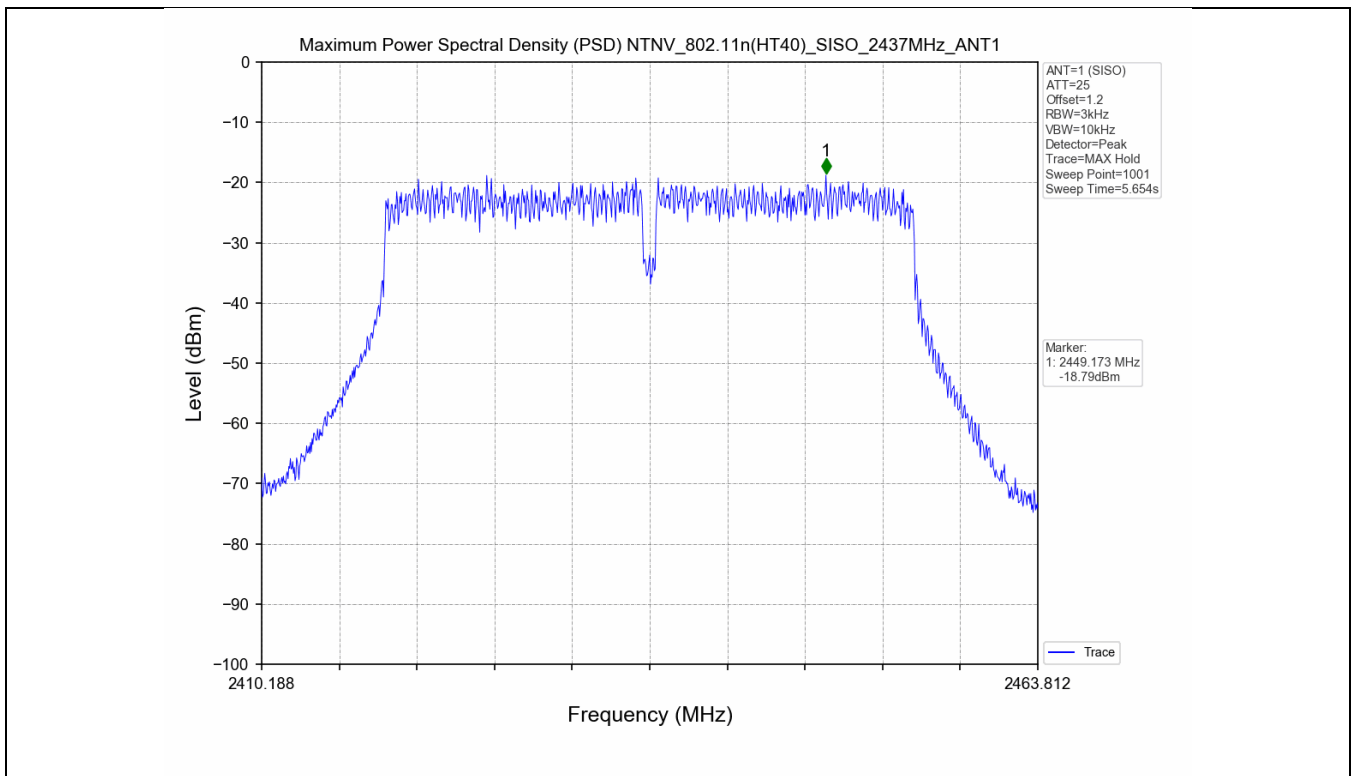
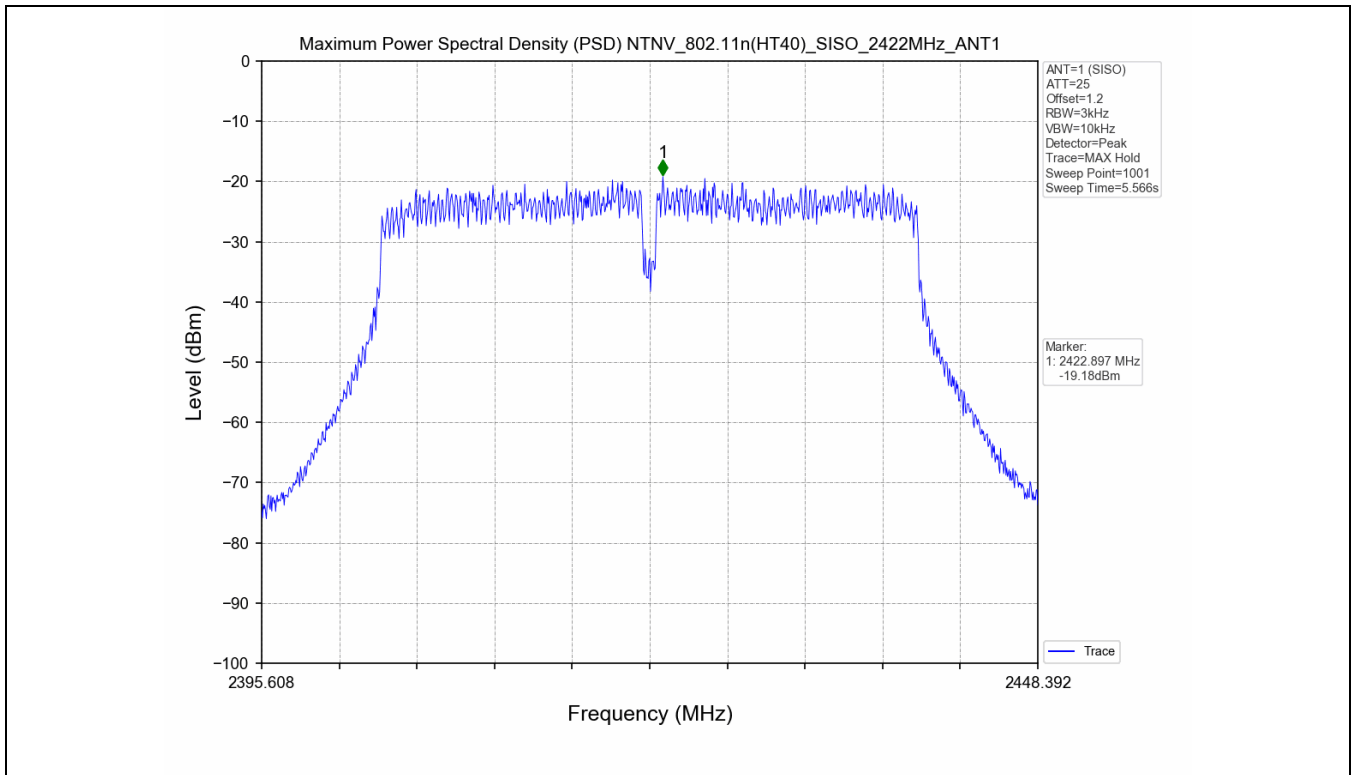




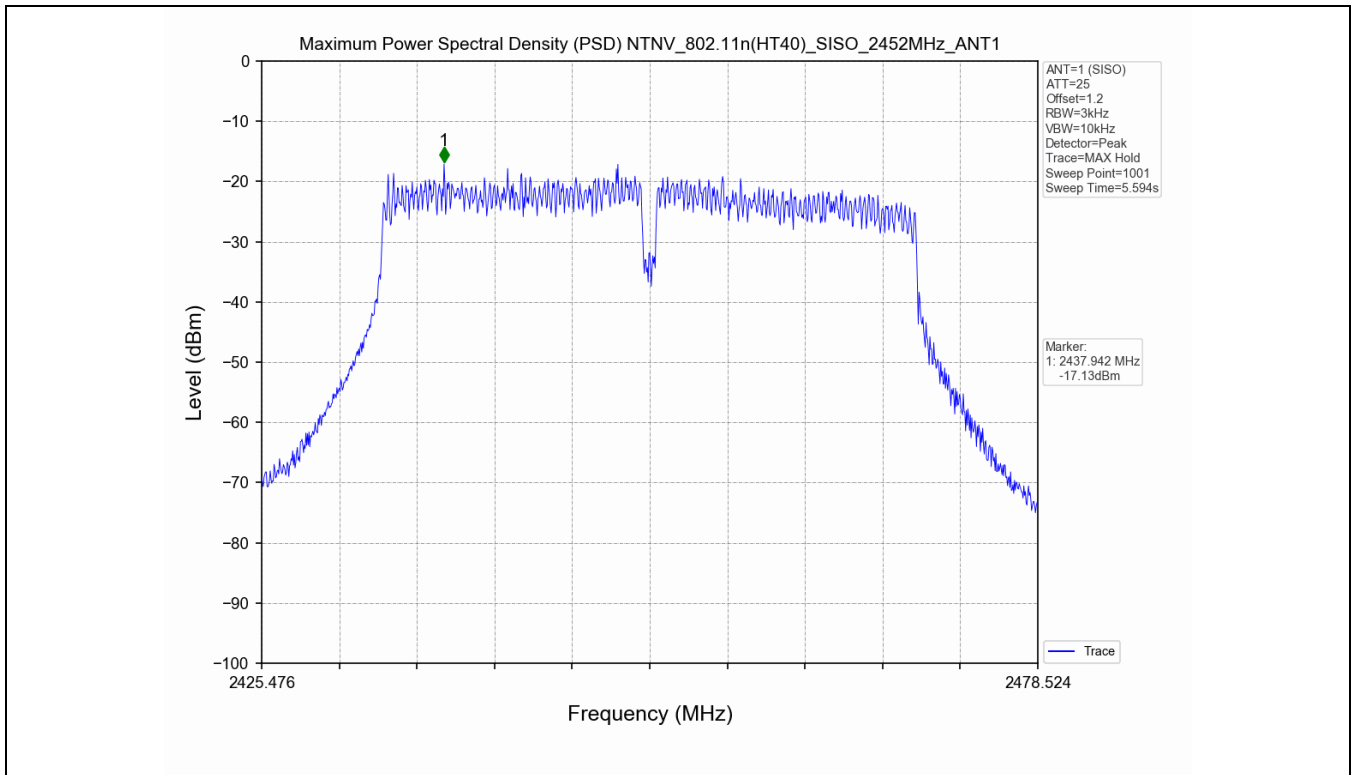












## 5. Unwanted Emissions in Non-restricted Frequency Bands

### 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	-12.87	PASS
	2437	SISO	1	Refer to test graph	-12.87	PASS
	2462	SISO	1	Refer to test graph	-12.87	PASS
802.11g	2412	SISO	1	Refer to test graph	-17.15	PASS
	2437	SISO	1	Refer to test graph	-17.15	PASS
	2462	SISO	1	Refer to test graph	-17.15	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-17.63	PASS
	2437	SISO	1	Refer to test graph	-17.63	PASS
	2462	SISO	1	Refer to test graph	-17.63	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-21.64	PASS
	2437	SISO	1	Refer to test graph	-21.64	PASS
	2452	SISO	1	Refer to test graph	-21.64	PASS

### 5.2 Test Graph

