



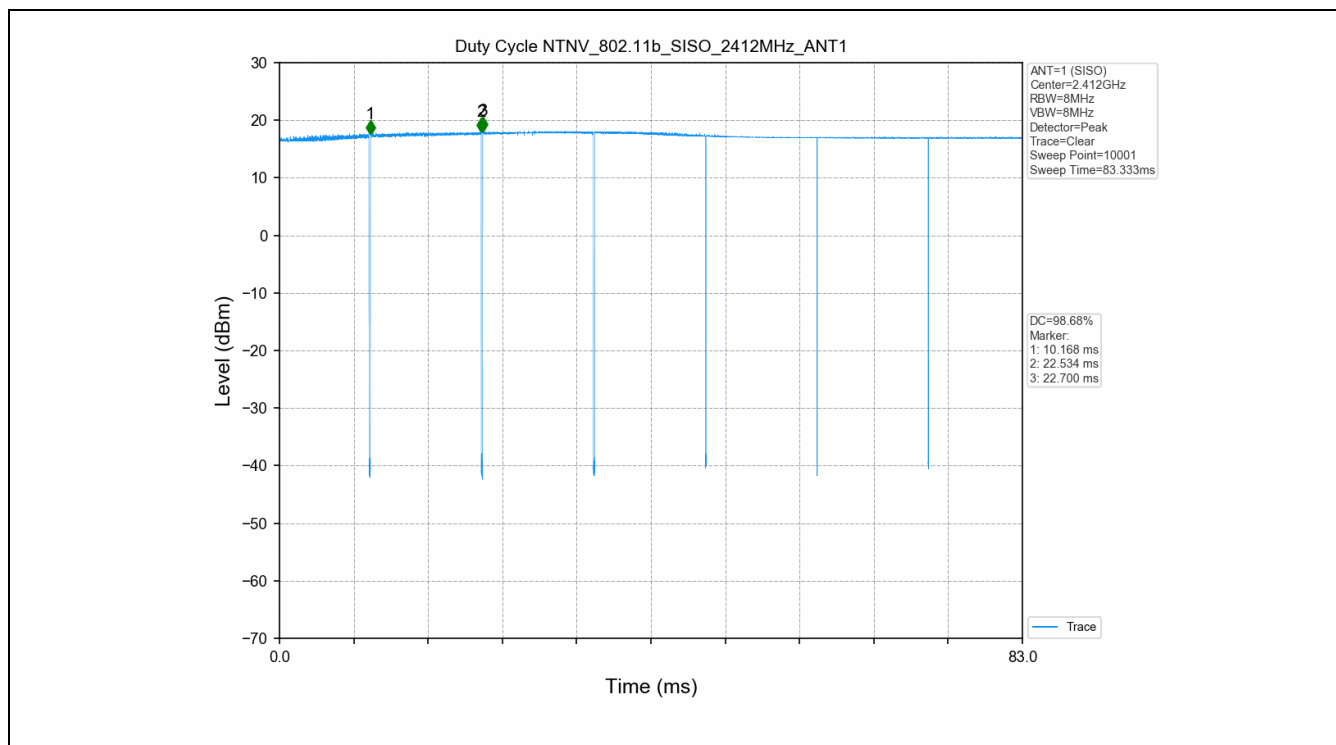
## Appendix A for SHEM200700586901

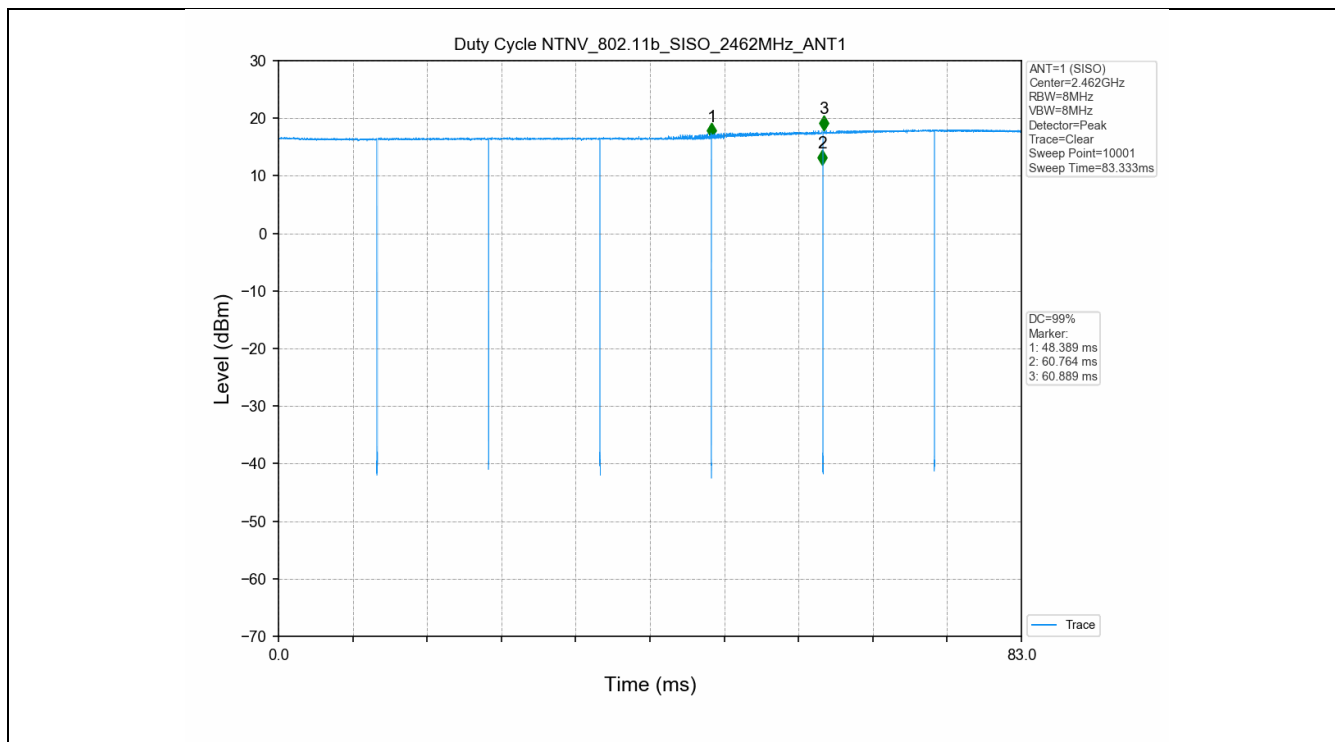
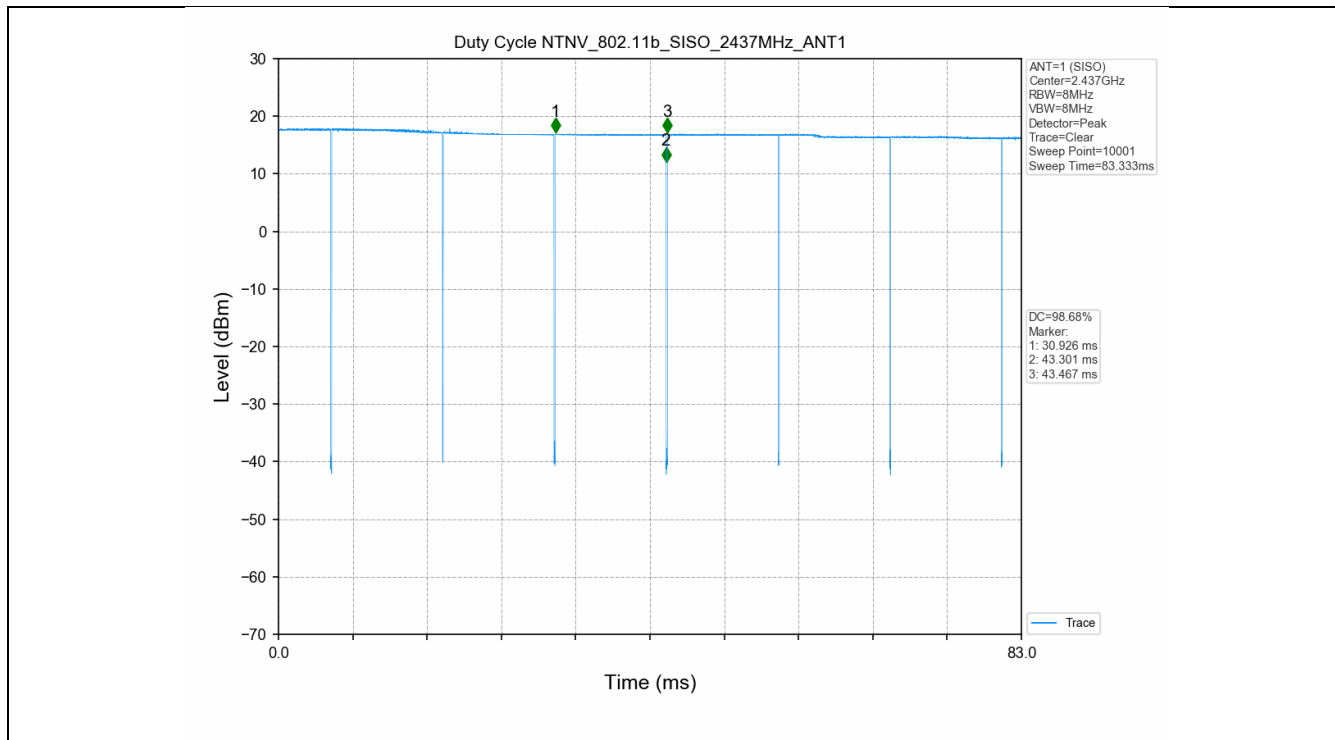
### 1. Duty Cycle

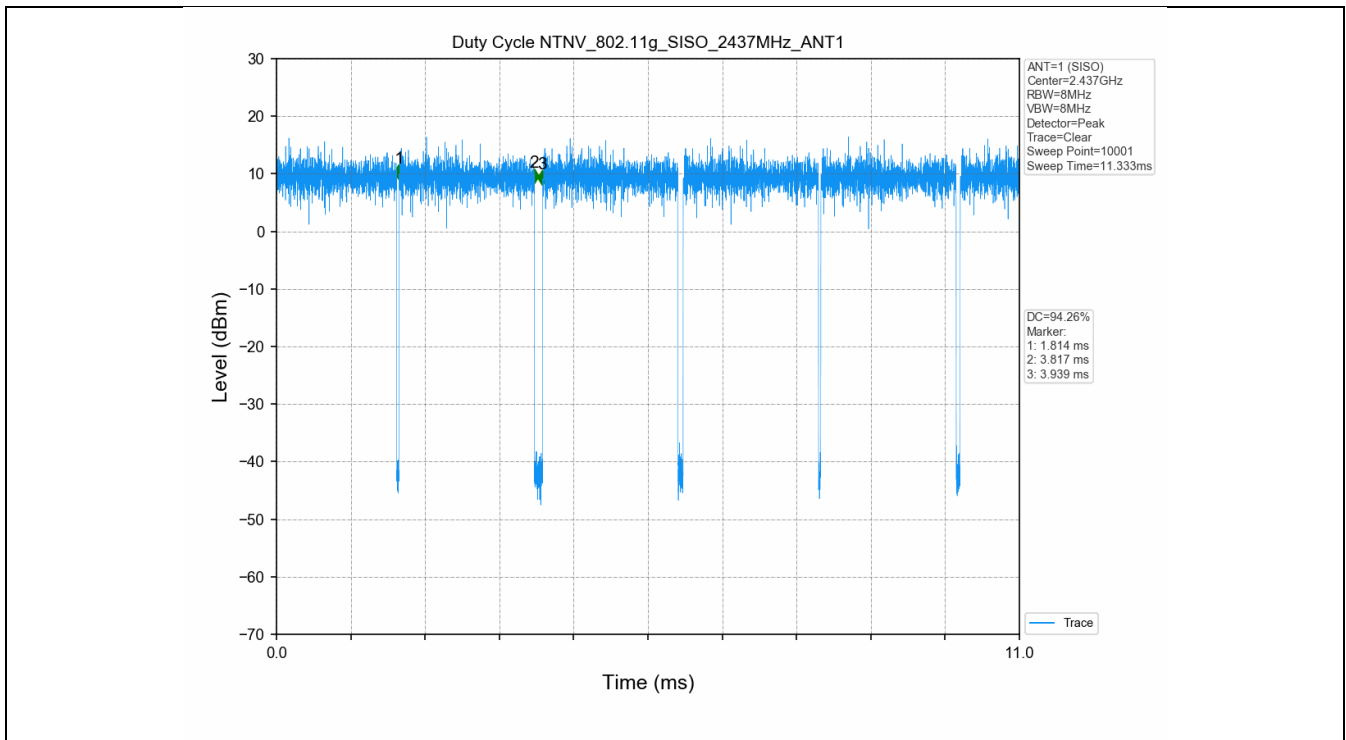
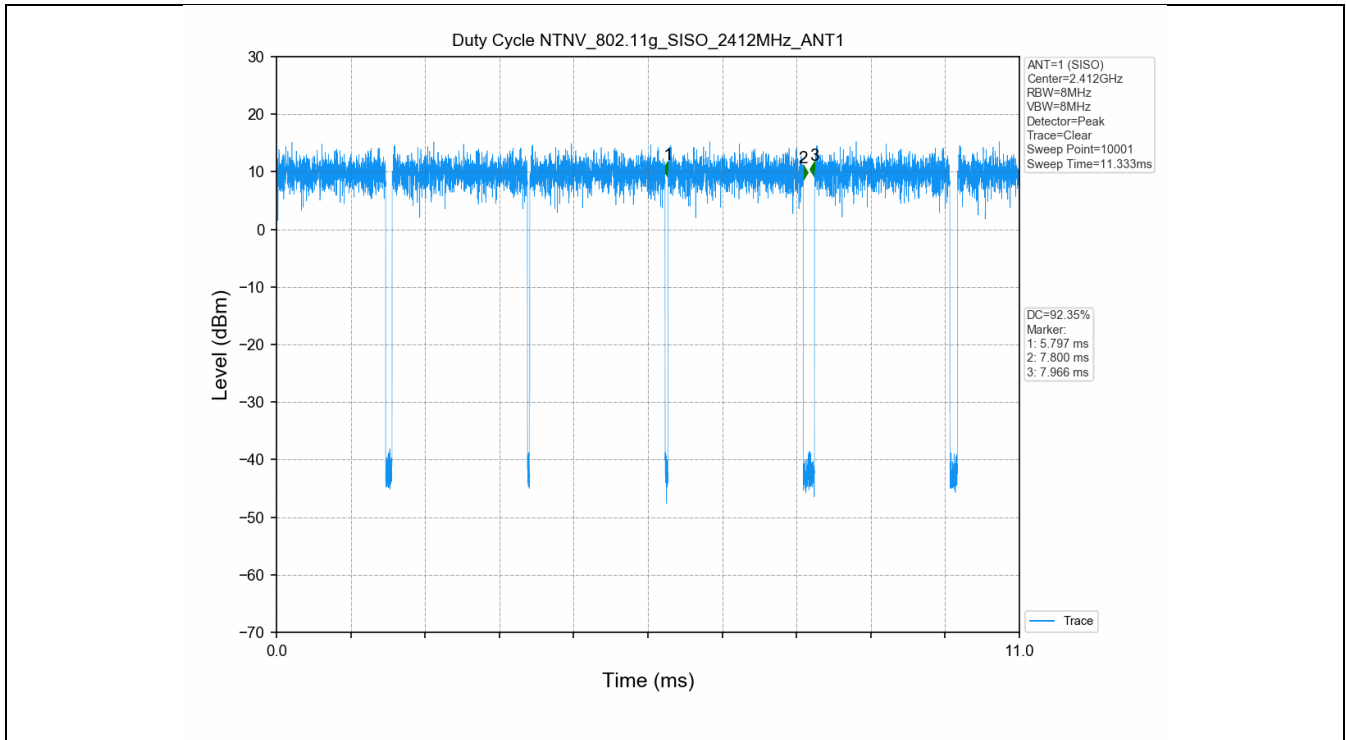
#### 1.1 Test Result

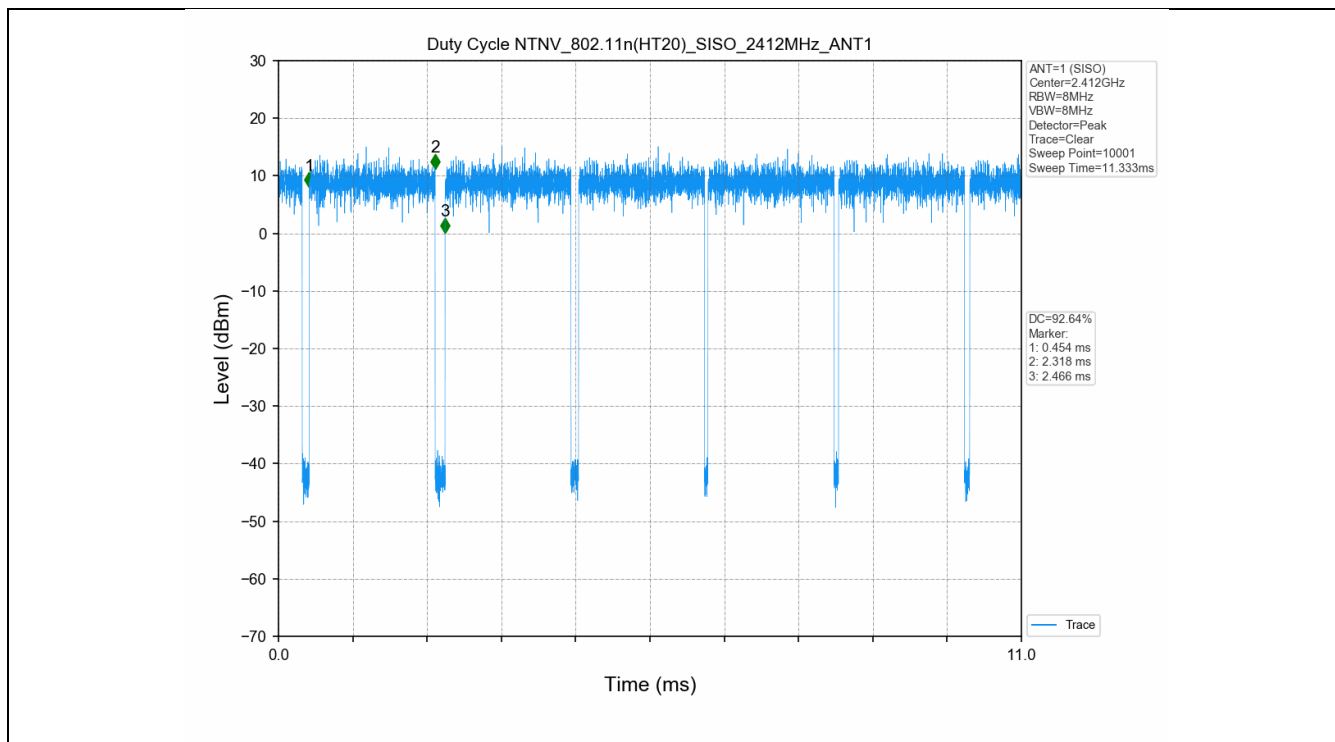
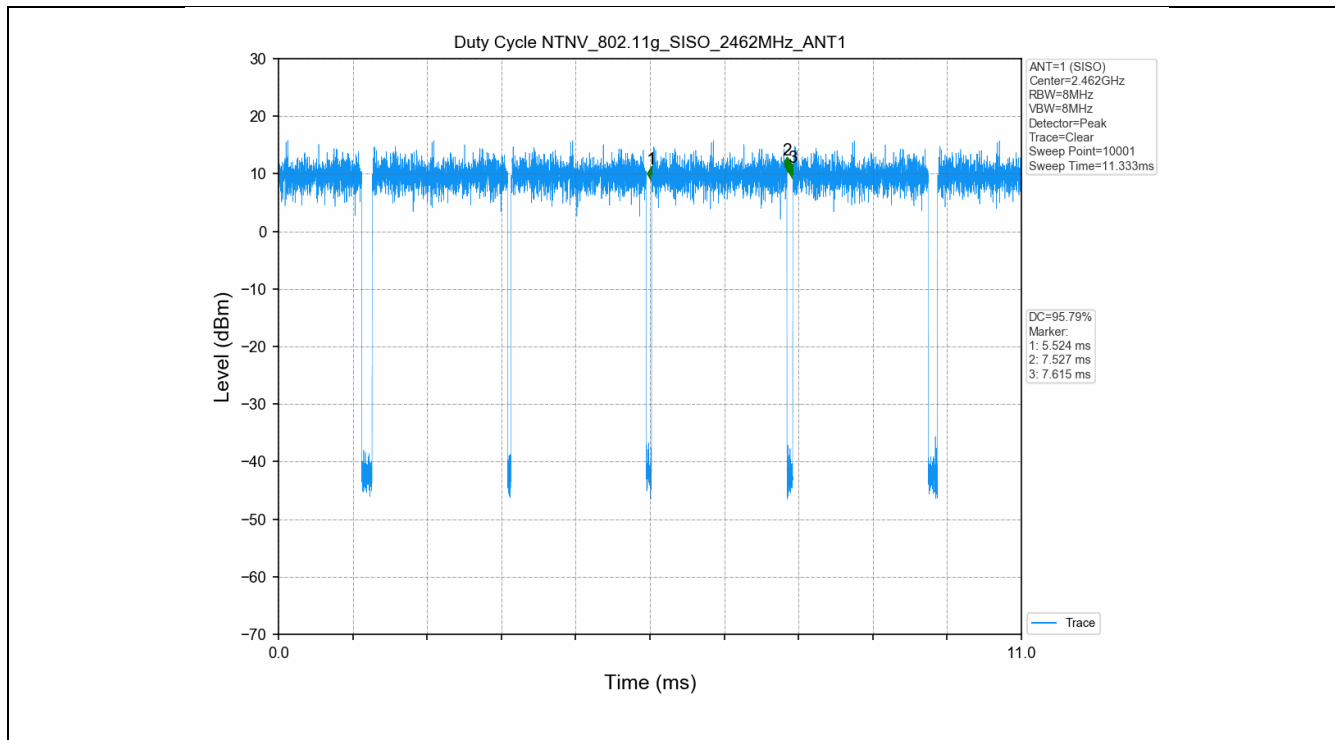
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	12.366	12.532	98.68	0.06
	2437	SISO	1	12.375	12.541	98.68	0.06
	2462	SISO	1	12.375	12.500	99.00	0.04
802.11g	2412	SISO	1	2.003	2.169	92.35	0.35
	2437	SISO	1	2.003	2.125	94.26	0.26
	2462	SISO	1	2.003	2.091	95.79	0.19
802.11n(HT20)	2412	SISO	1	1.864	2.012	92.64	0.33
	2437	SISO	1	1.920	2.073	92.62	0.33
	2462	SISO	1	1.863	1.969	94.62	0.24

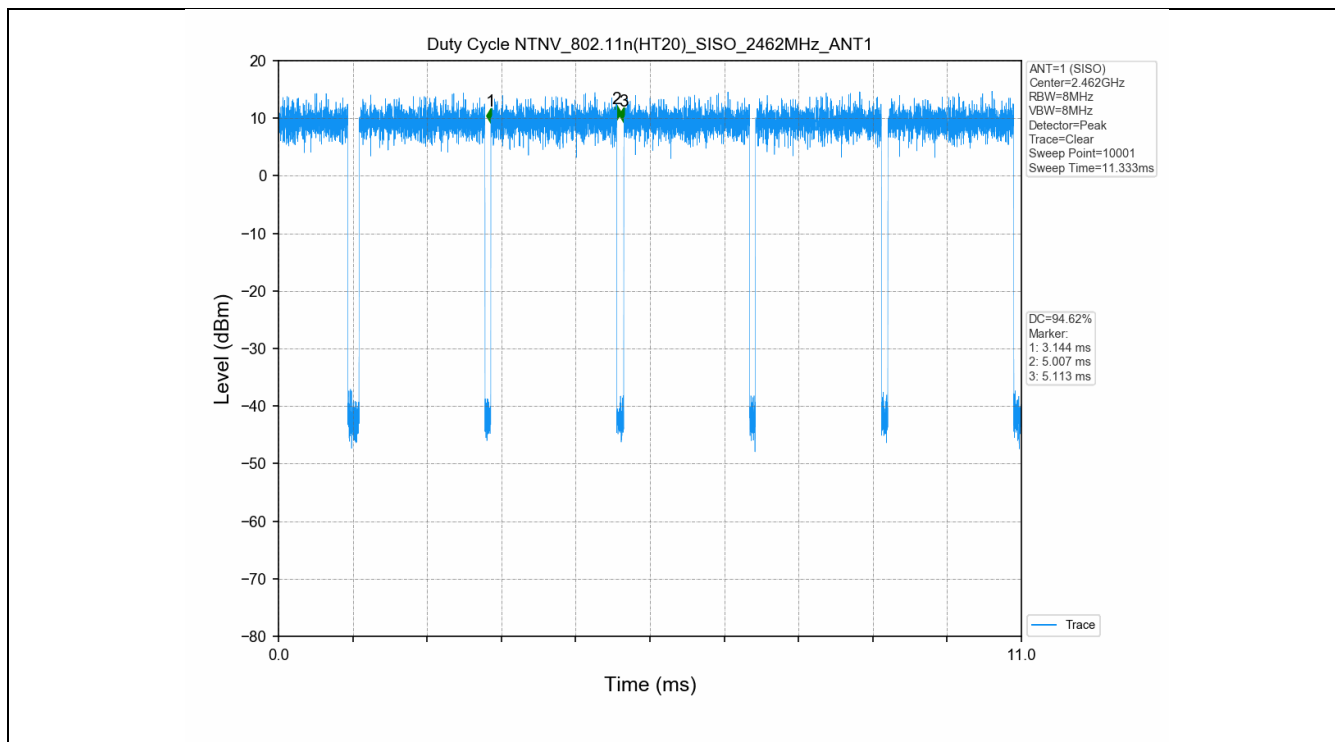
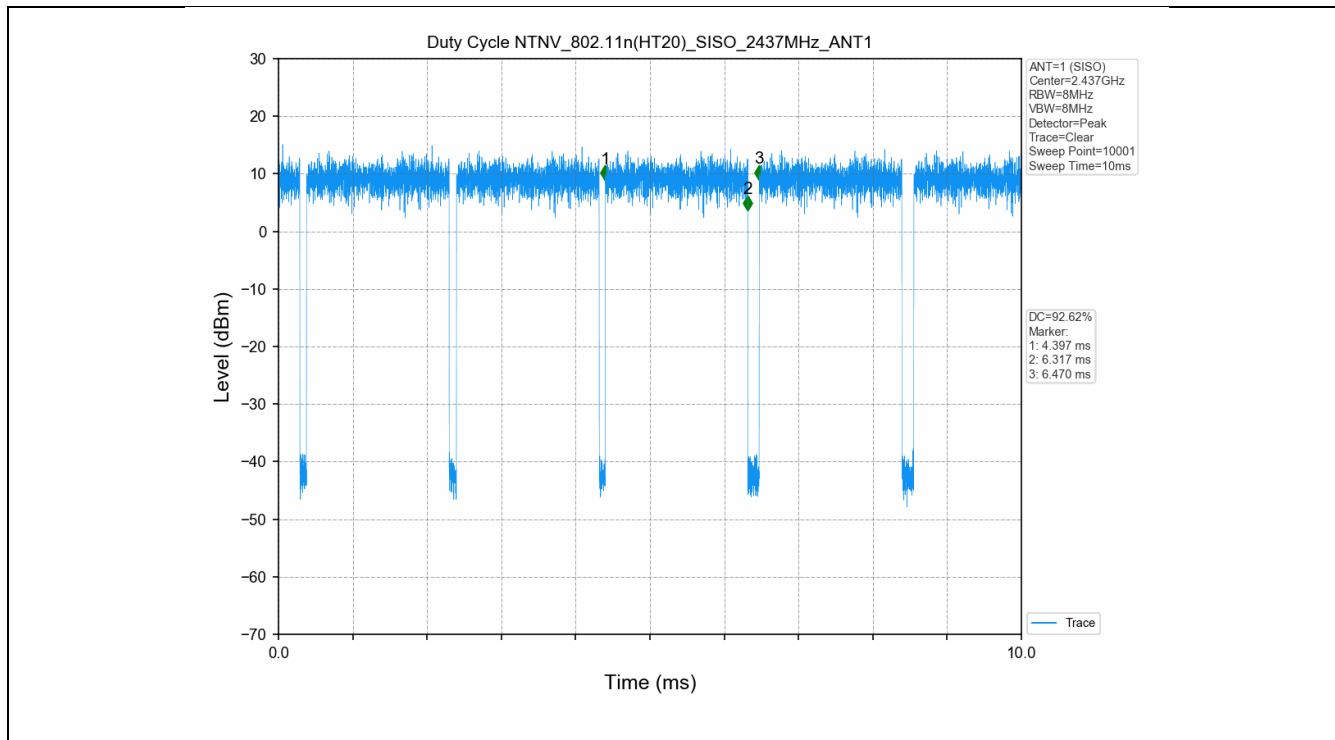
#### 1.2 Test Graph













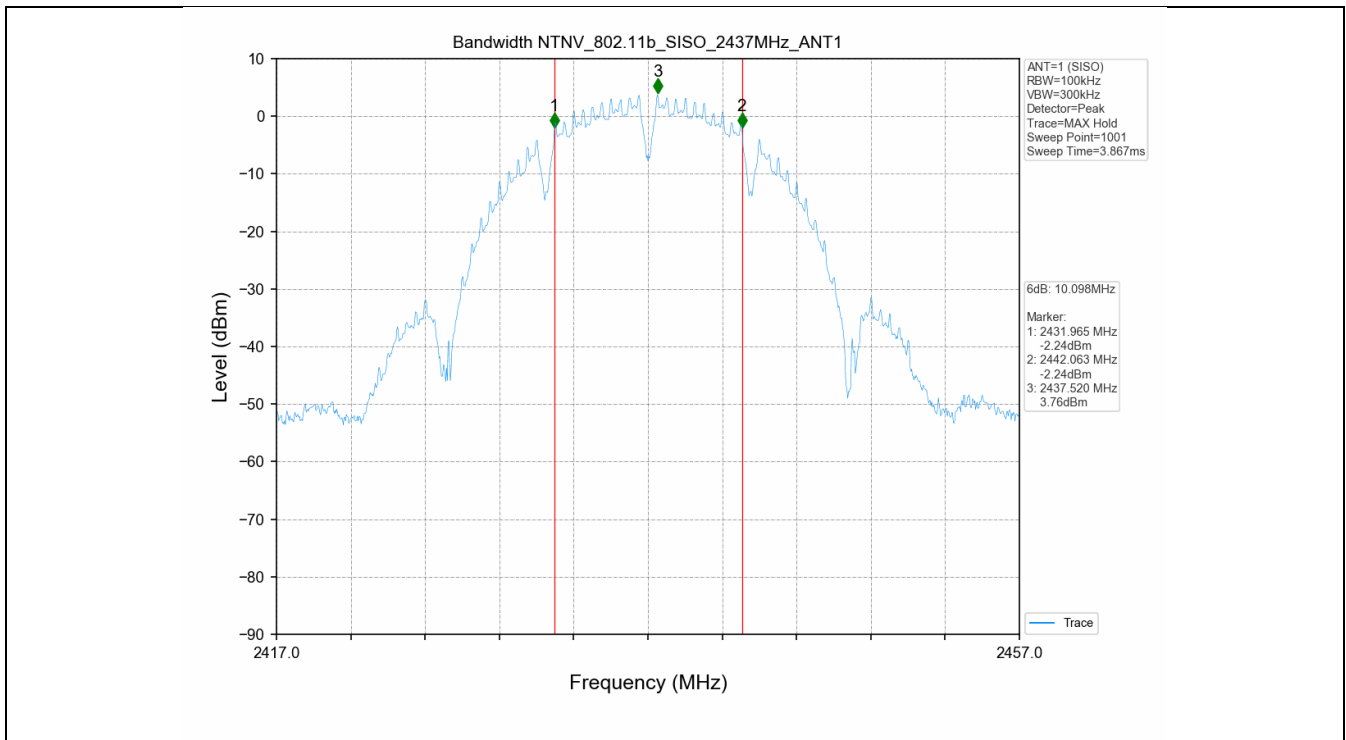
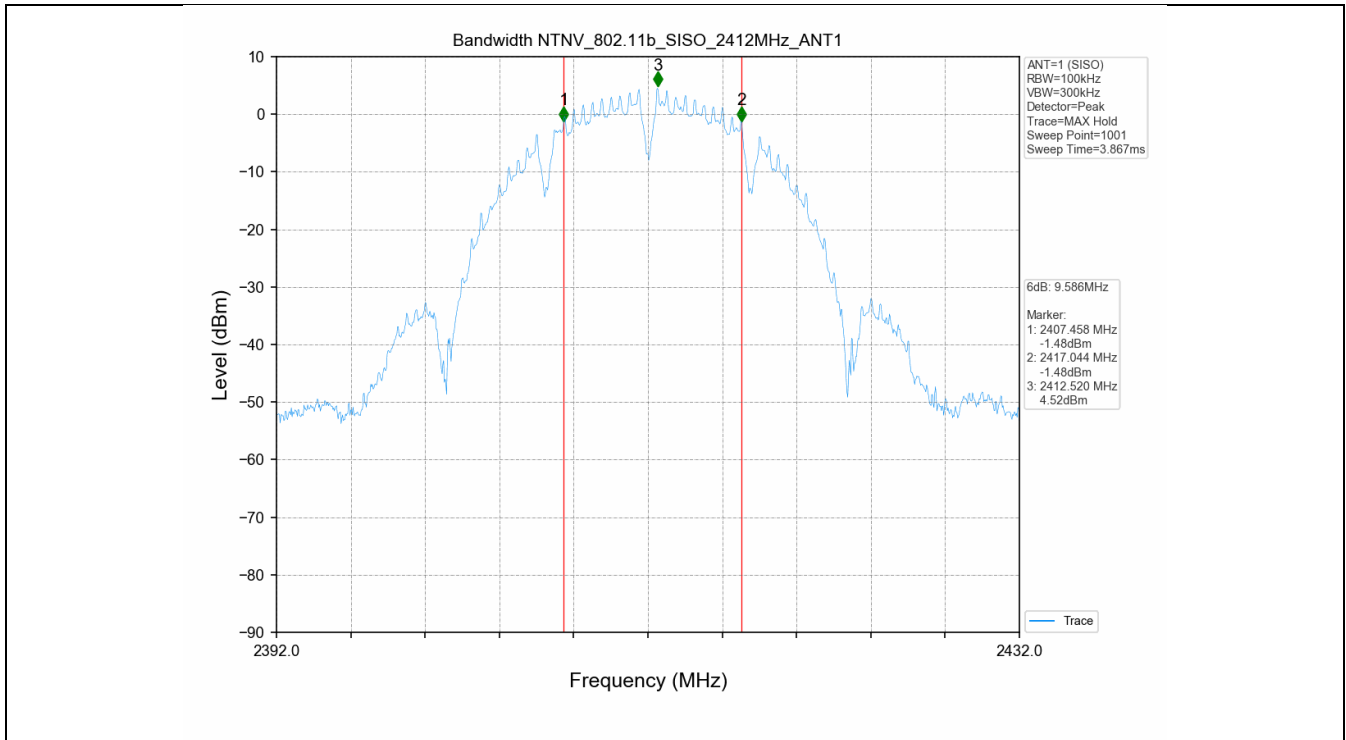
## 2. Bandwidth

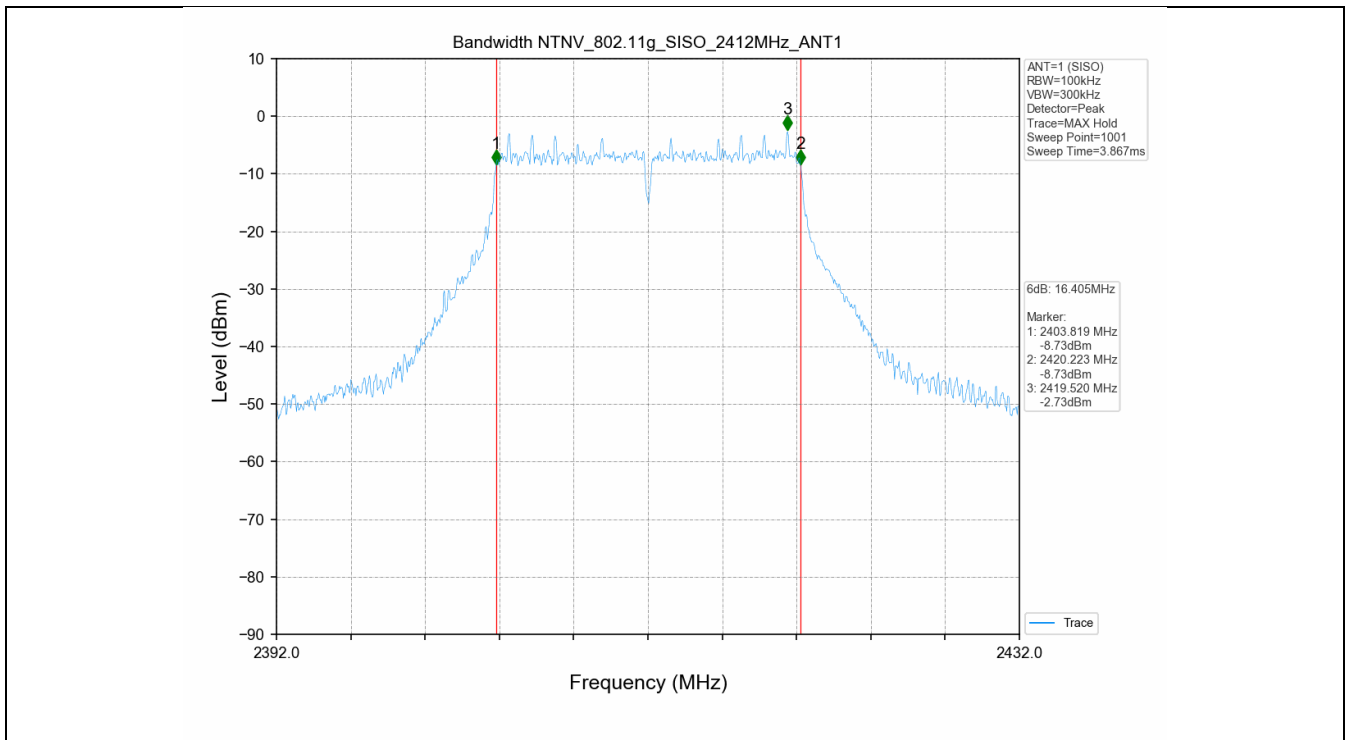
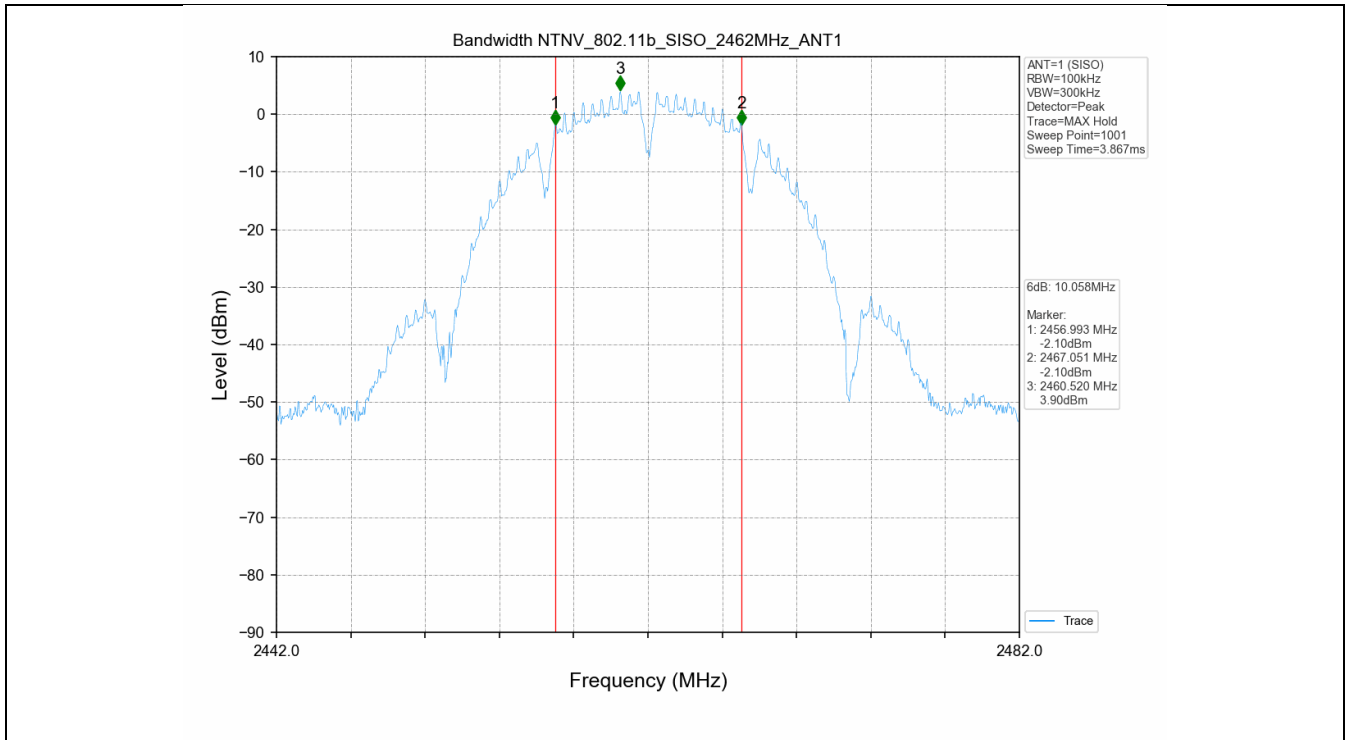
### 2.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth					Verdict
				Test Result (MHz)	Limits (MHz)	1.5*BW (MHz)	Span using in the PSD (MHz)	Span using in the Power (MHz)	
802.11b	2412	SISO	1	9.586	≥0.5	14.379	14.379	14.379	PASS
	2437	SISO	1	10.098	≥0.5	15.147	15.147	15.147	PASS
	2462	SISO	1	10.058	≥0.5	15.087	15.087	15.087	PASS
802.11g	2412	SISO	1	16.405	≥0.5	24.608	24.608	24.608	PASS
	2437	SISO	1	16.416	≥0.5	24.624	24.624	24.624	PASS
	2462	SISO	1	16.416	≥0.5	24.624	24.624	24.624	PASS
802.11n(HT20)	2412	SISO	1	17.619	≥0.5	26.429	26.429	26.429	PASS
	2437	SISO	1	17.631	≥0.5	26.447	26.447	26.447	PASS
	2462	SISO	1	17.631	≥0.5	26.447	26.447	26.447	PASS

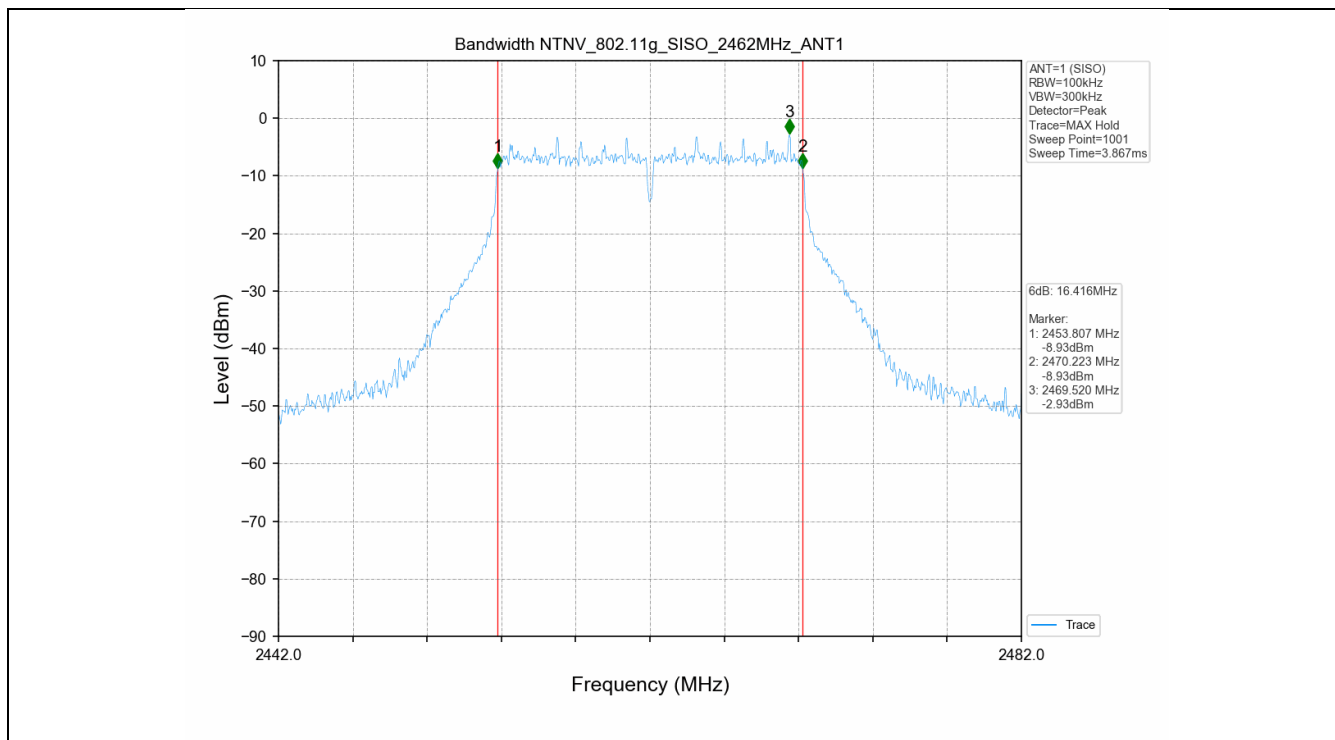
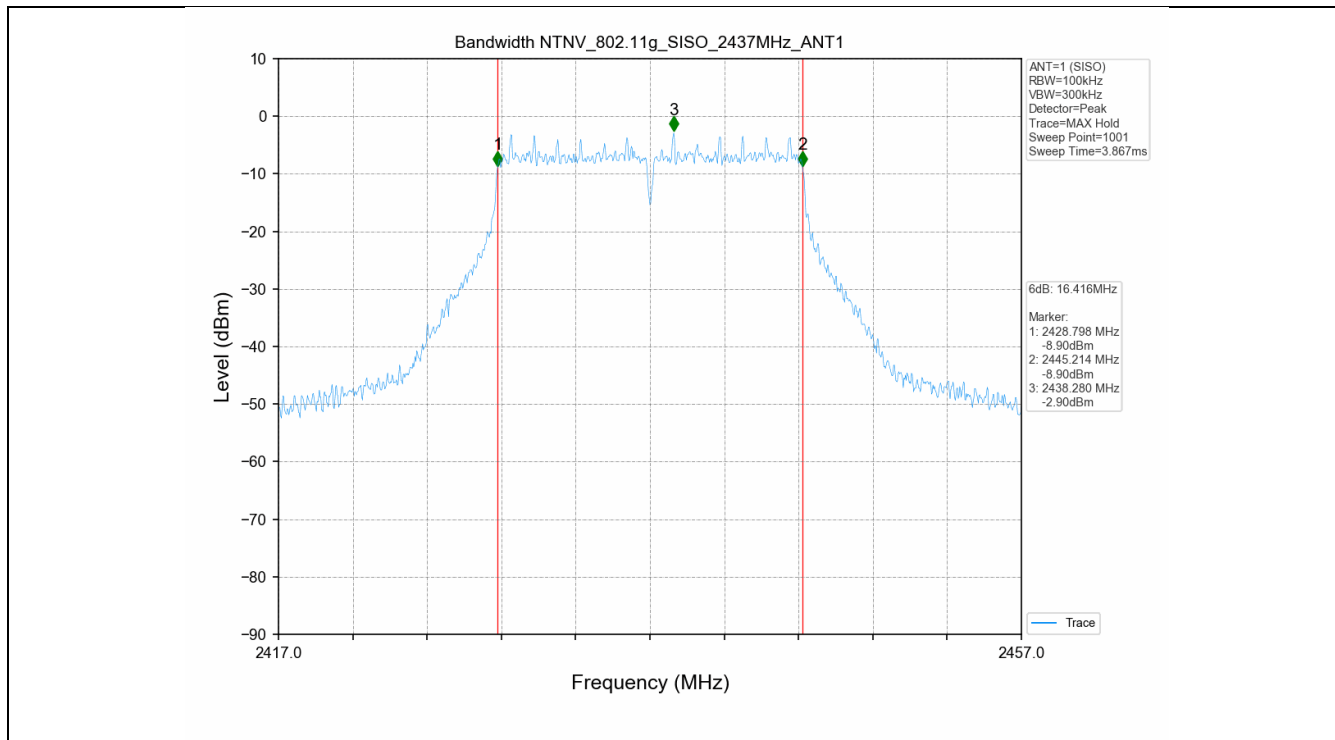
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	15.071	Only for Report Use
	2437	SISO	1	15.062	Only for Report Use
	2462	SISO	1	15.061	Only for Report Use
802.11g	2412	SISO	1	17.097	Only for Report Use
	2437	SISO	1	17.008	Only for Report Use
	2462	SISO	1	17.204	Only for Report Use
802.11n(HT20)	2412	SISO	1	18.081	Only for Report Use
	2437	SISO	1	18.148	Only for Report Use
	2462	SISO	1	18.070	Only for Report Use

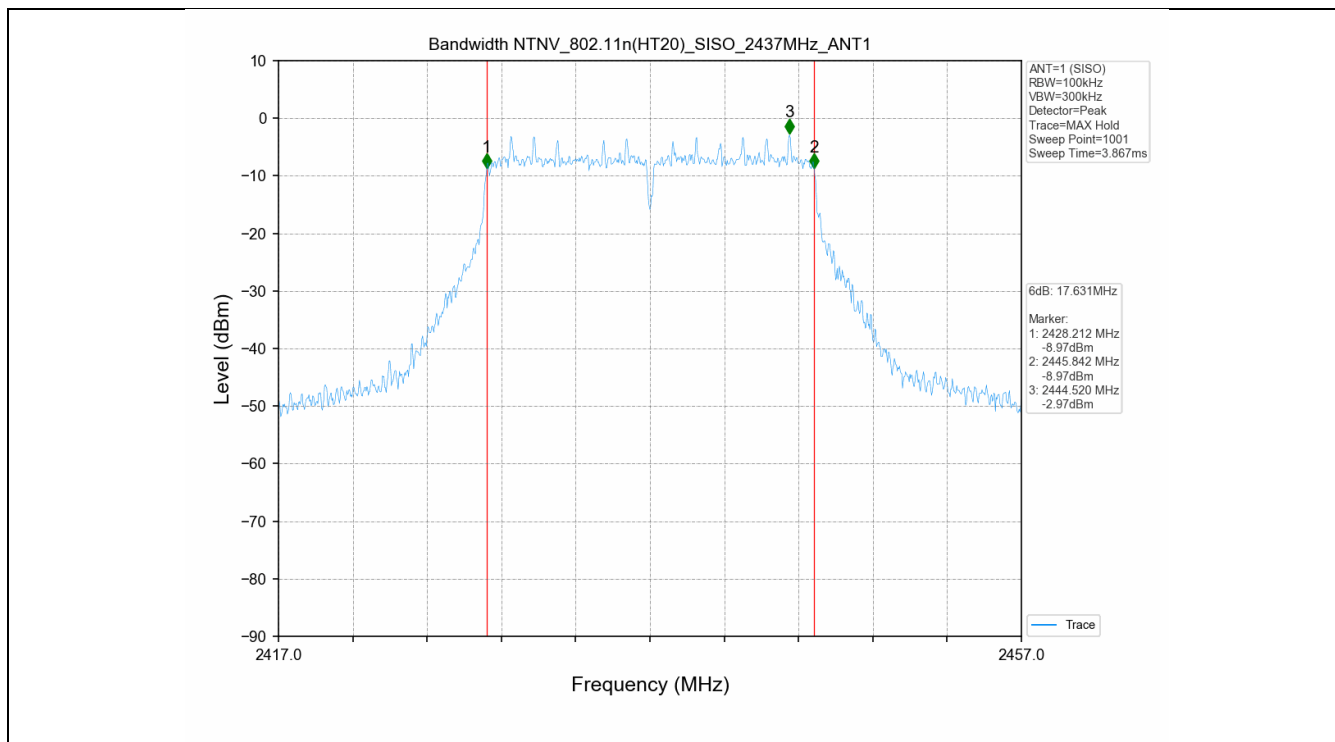
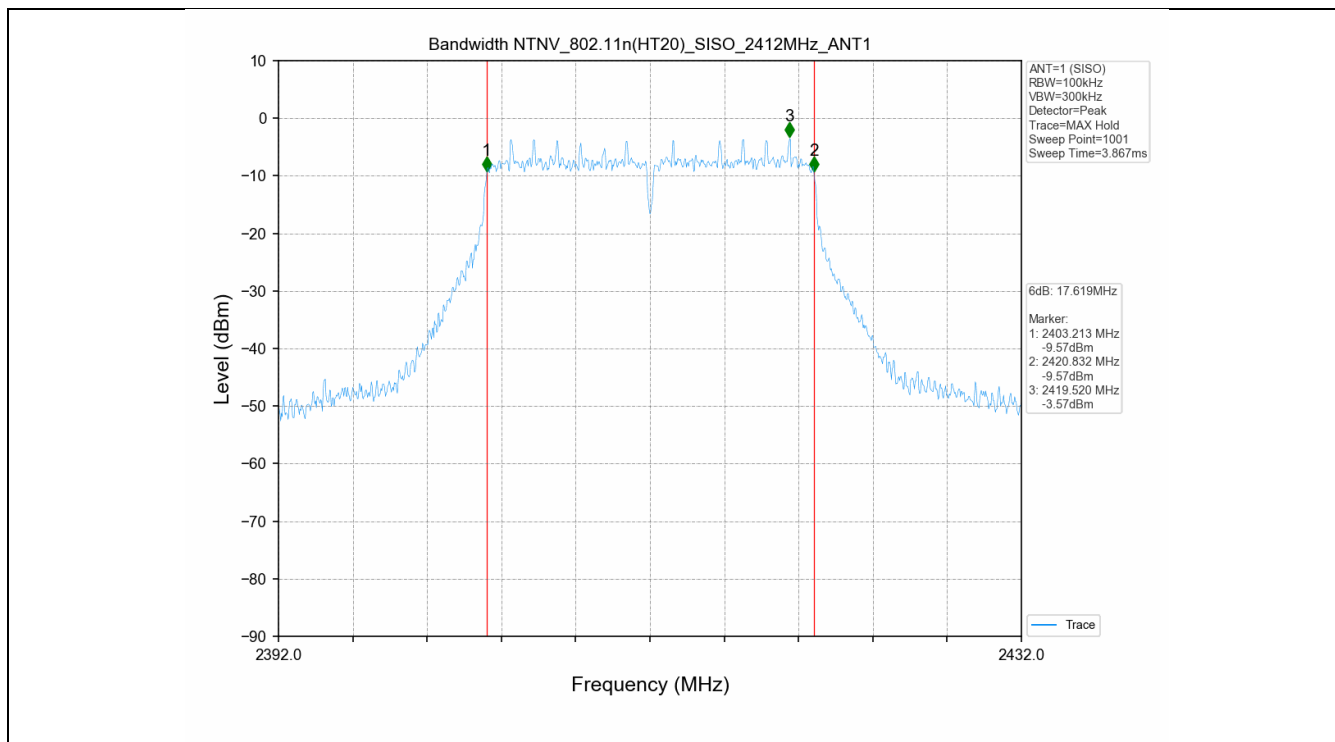
### 2.2 Test Graph - 6dB Bandwidth

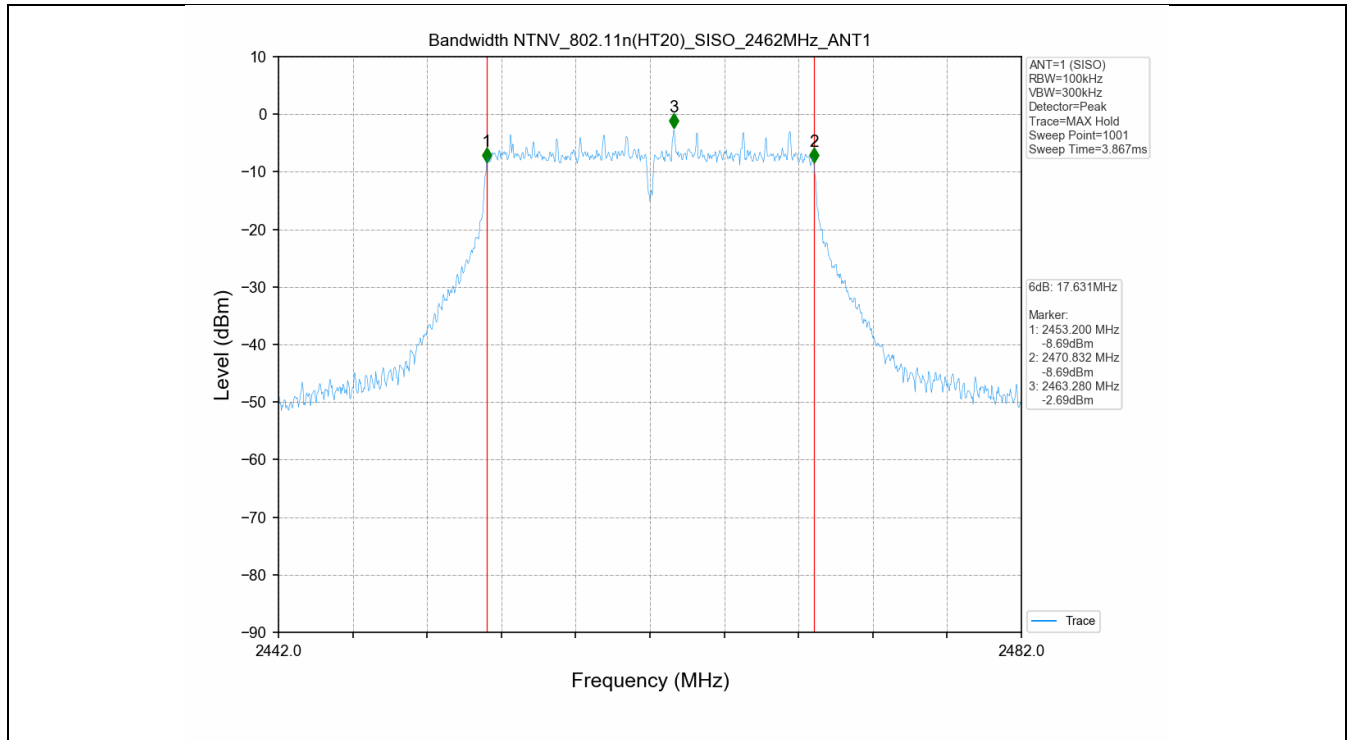




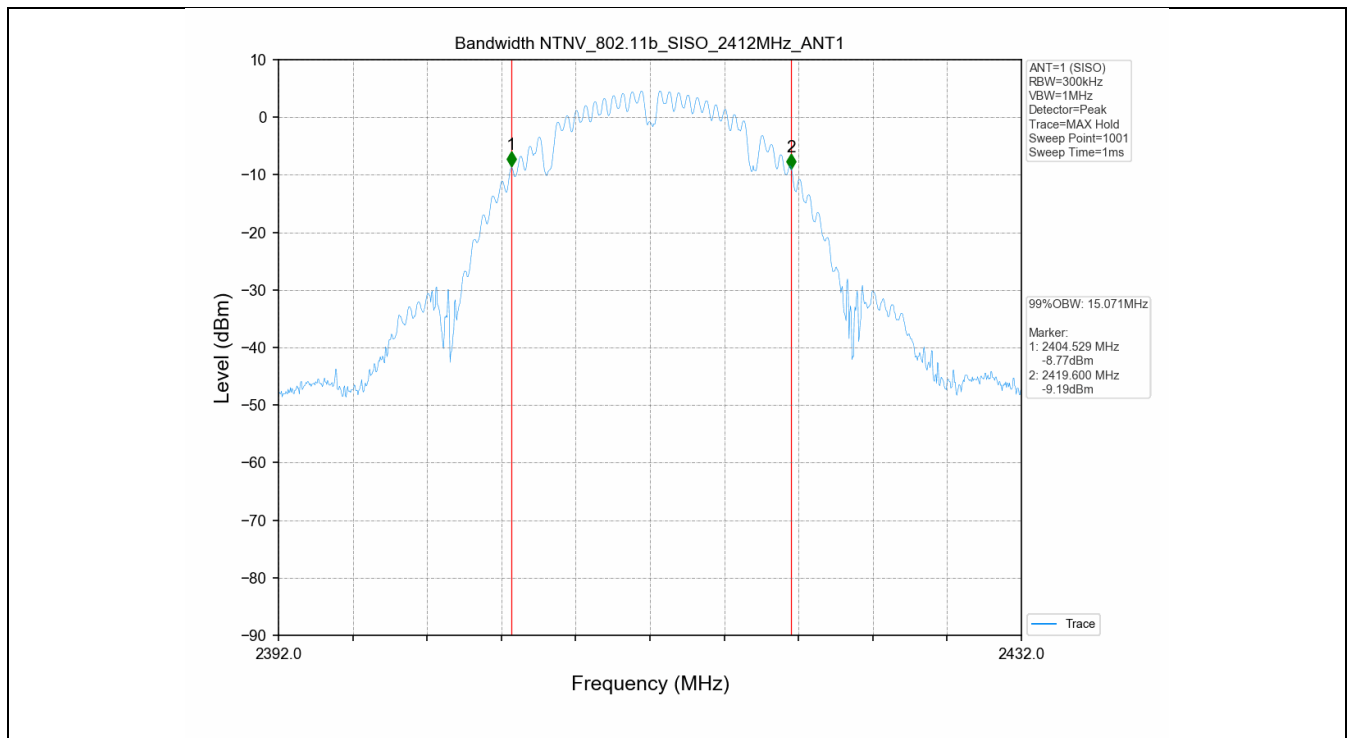


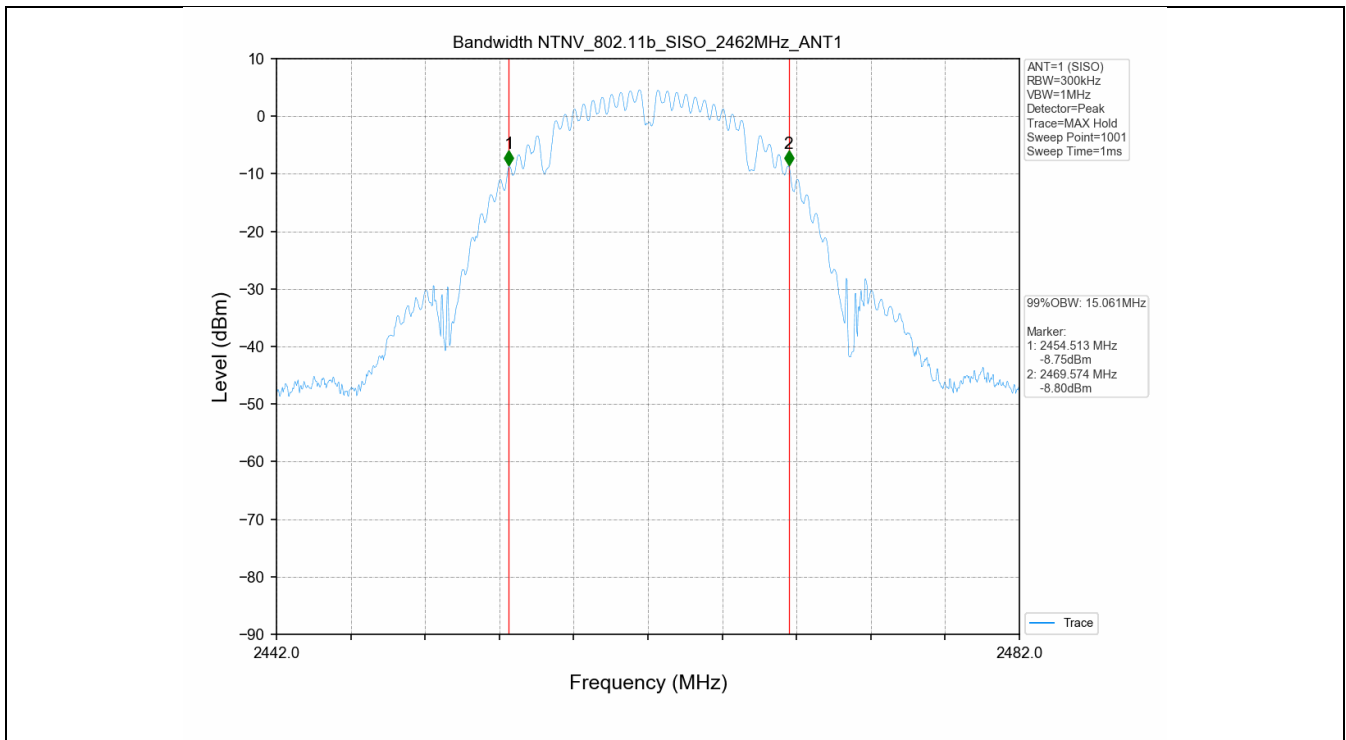
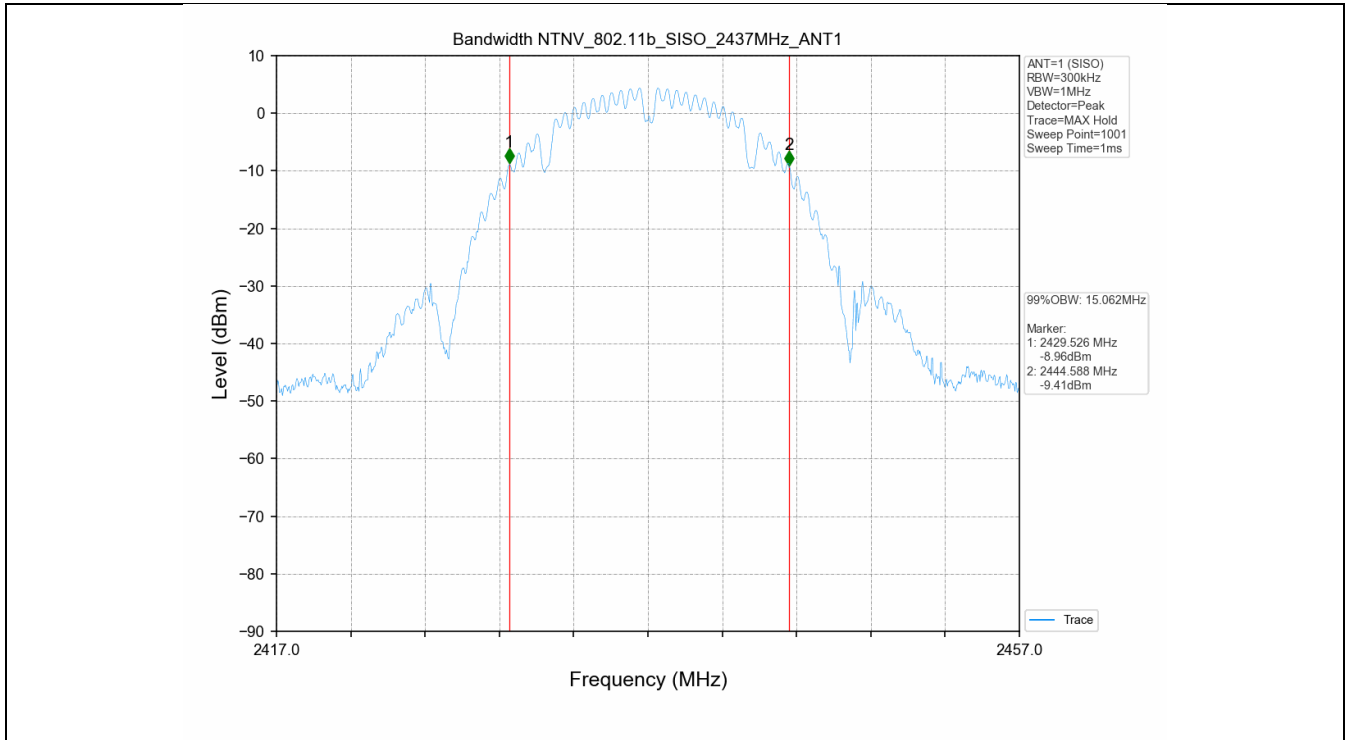


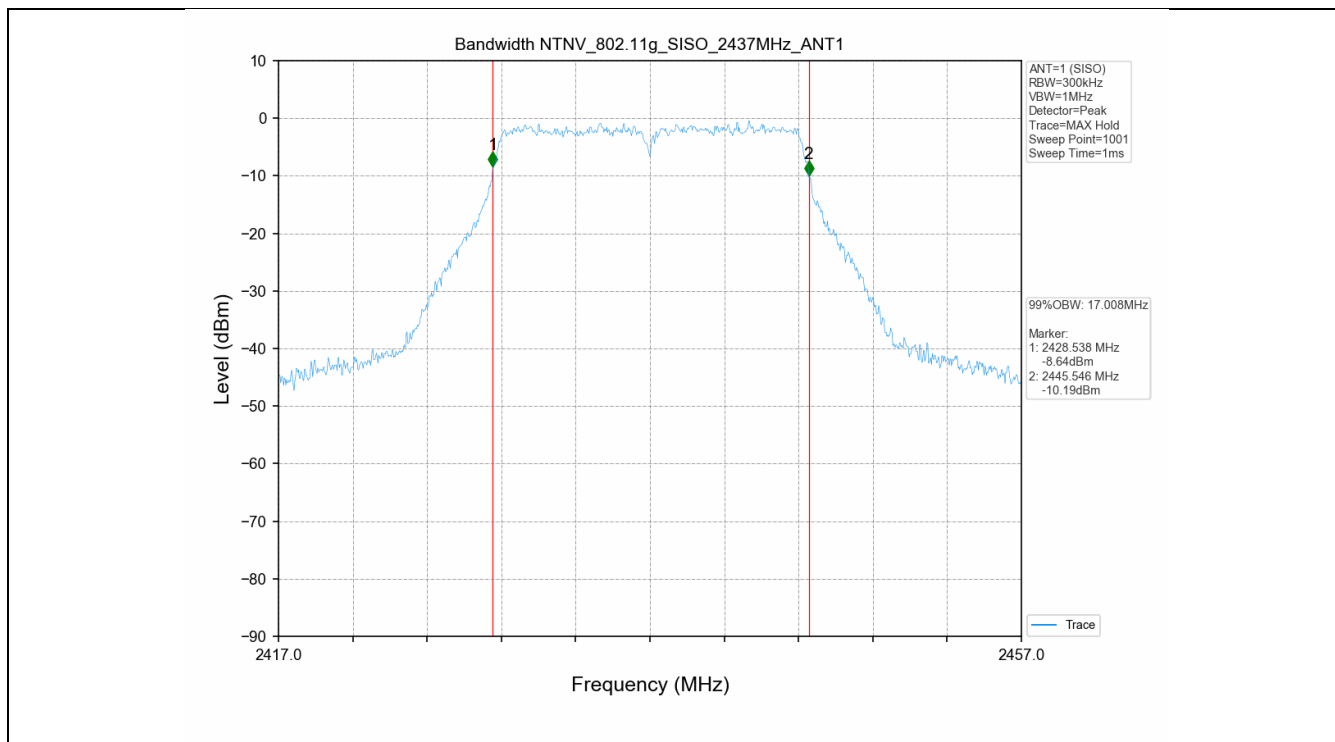
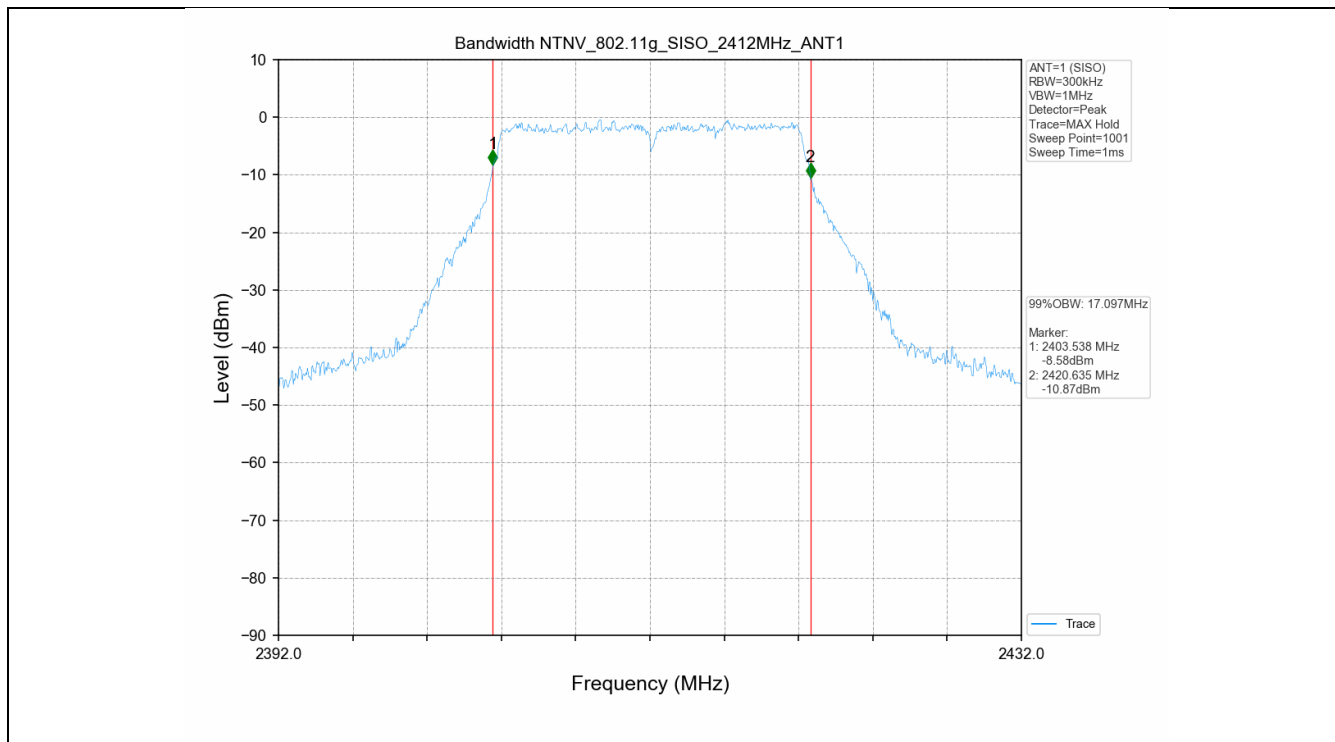


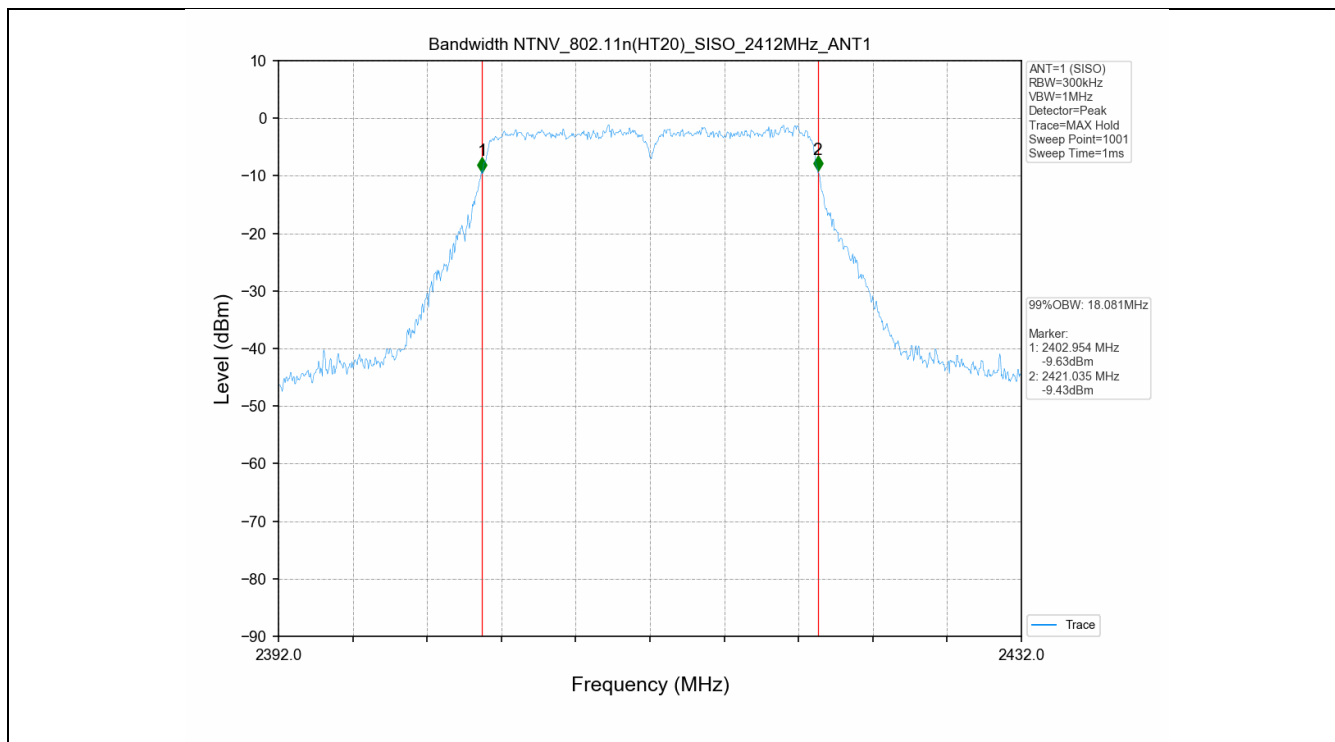
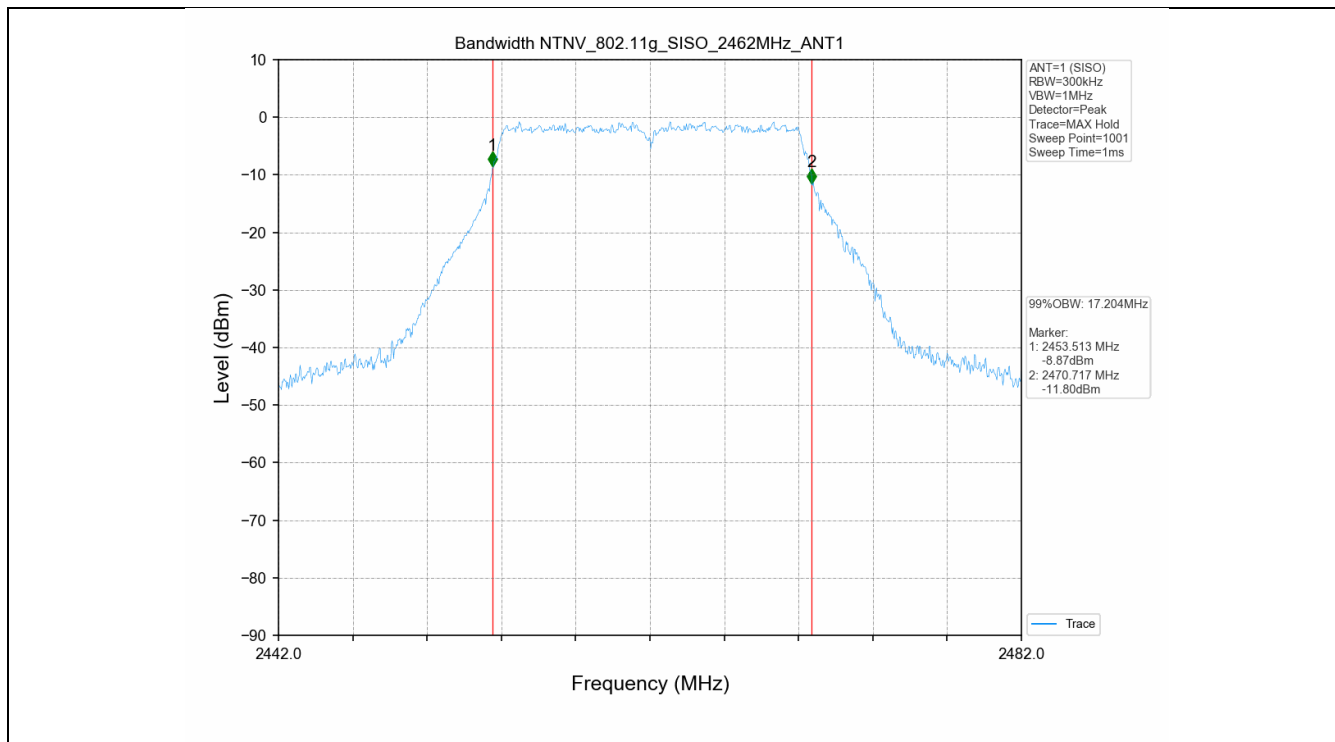


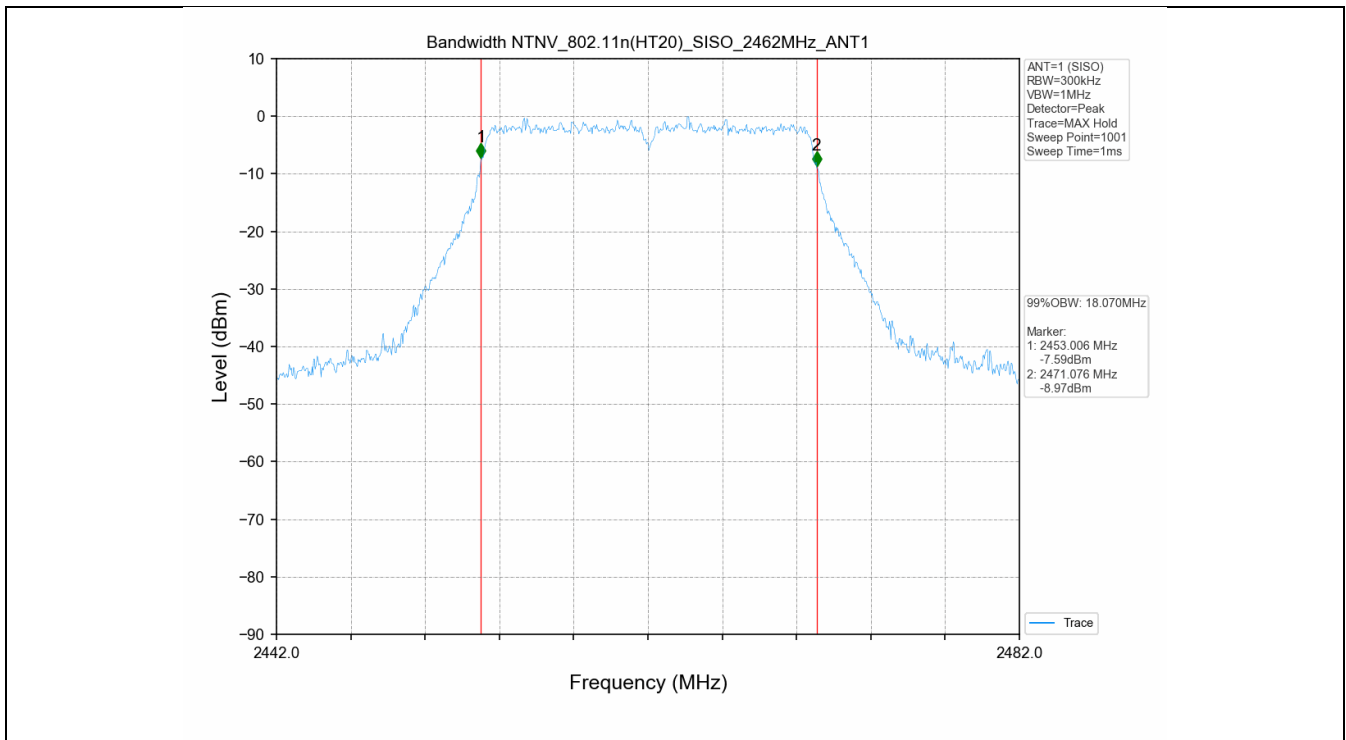
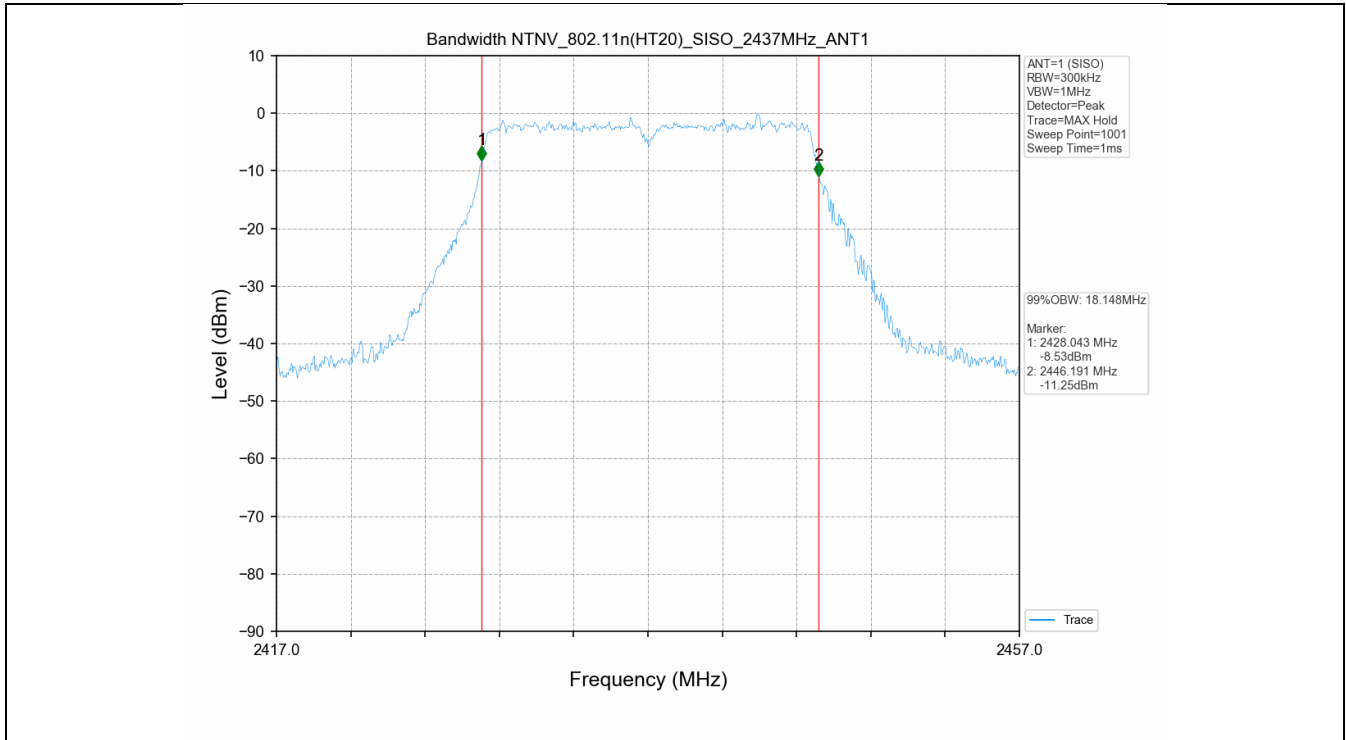
### 2.3 Test Graph - 99% Occupied Bandwidth









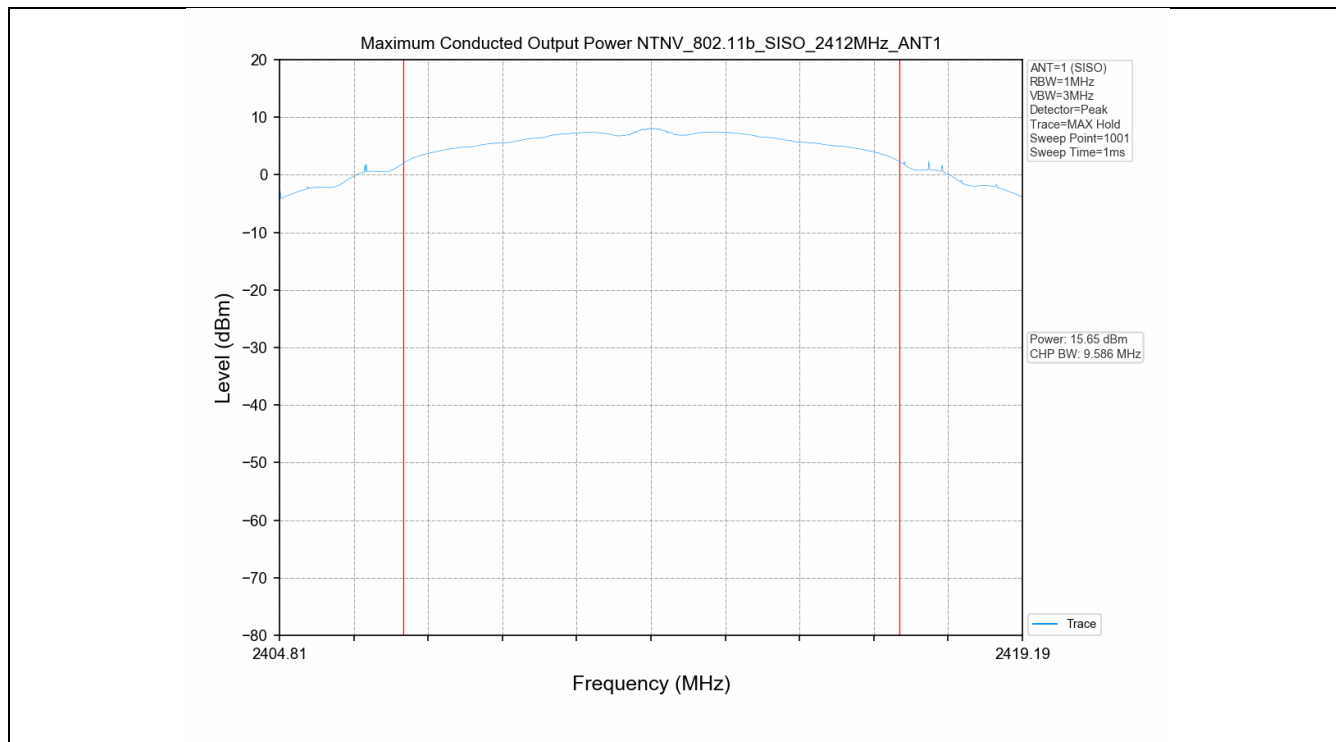


### 3. Maximum Conducted Output Power

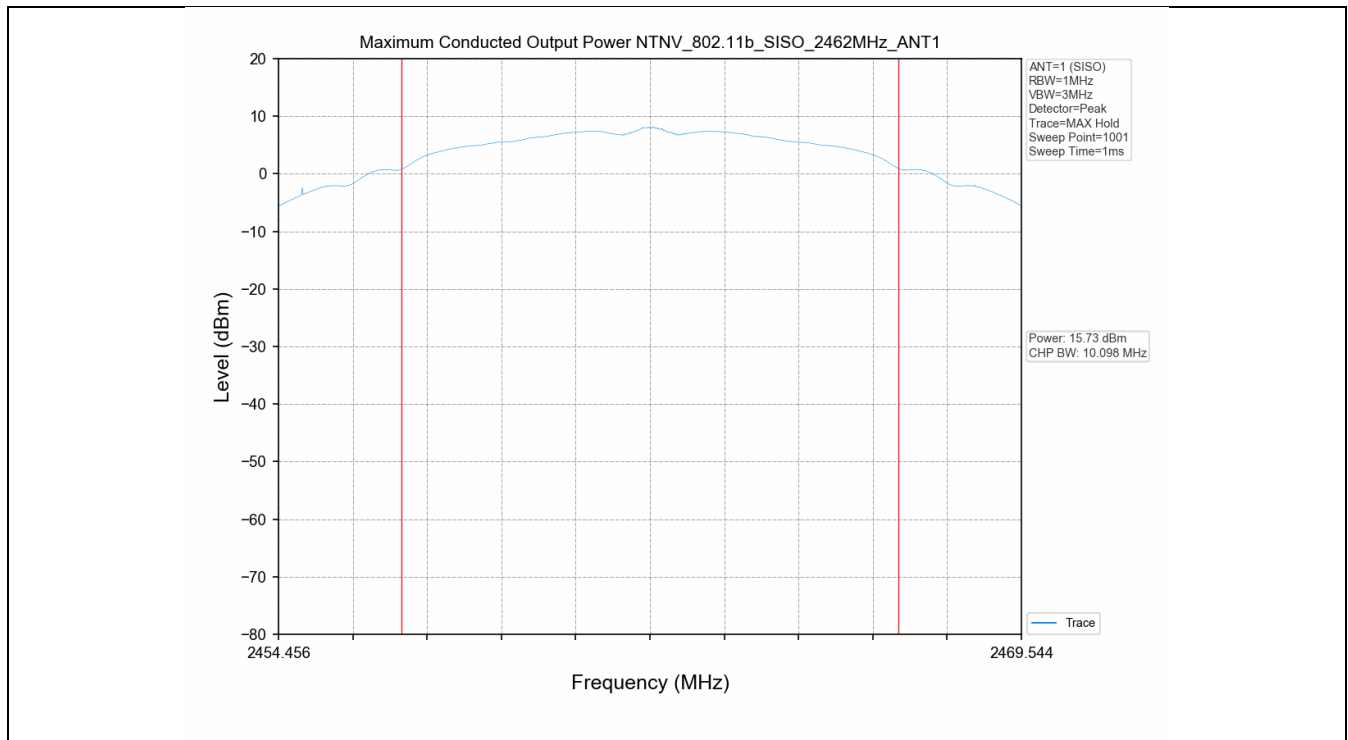
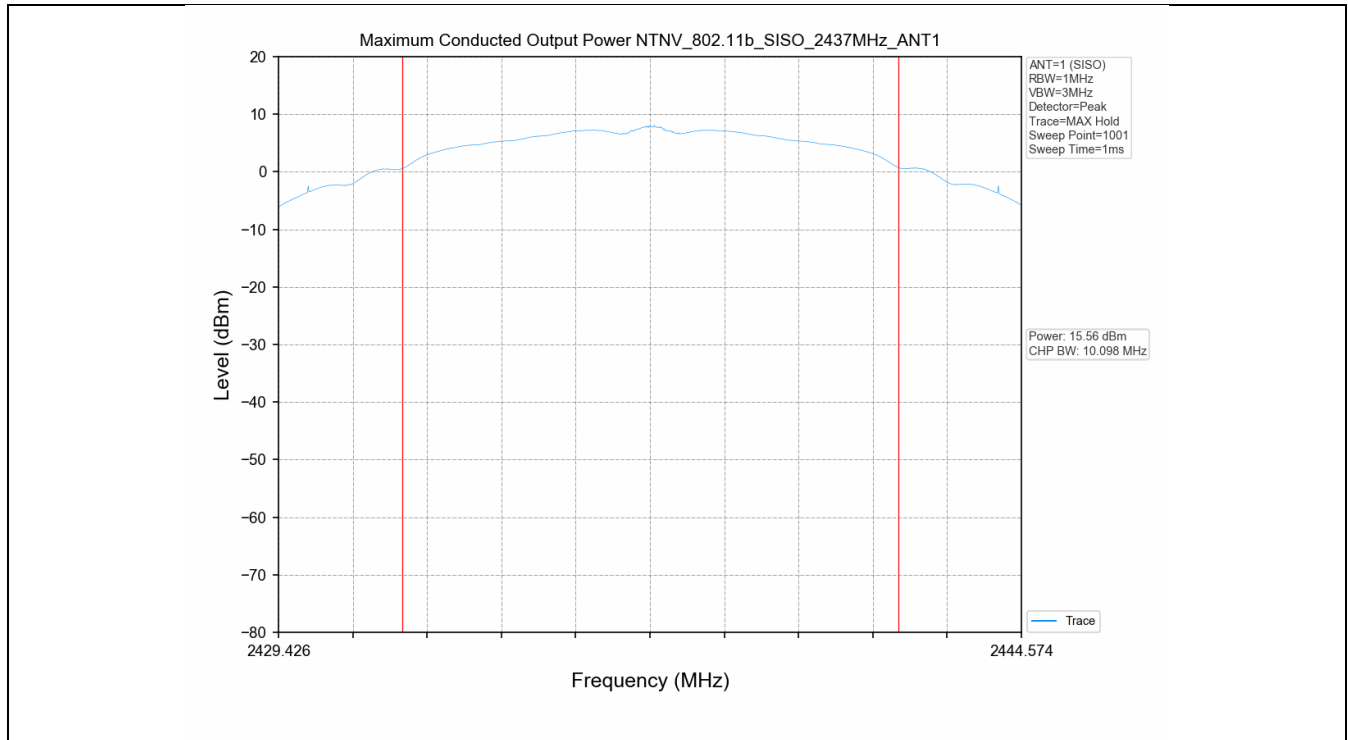
#### 3.1 Test Result

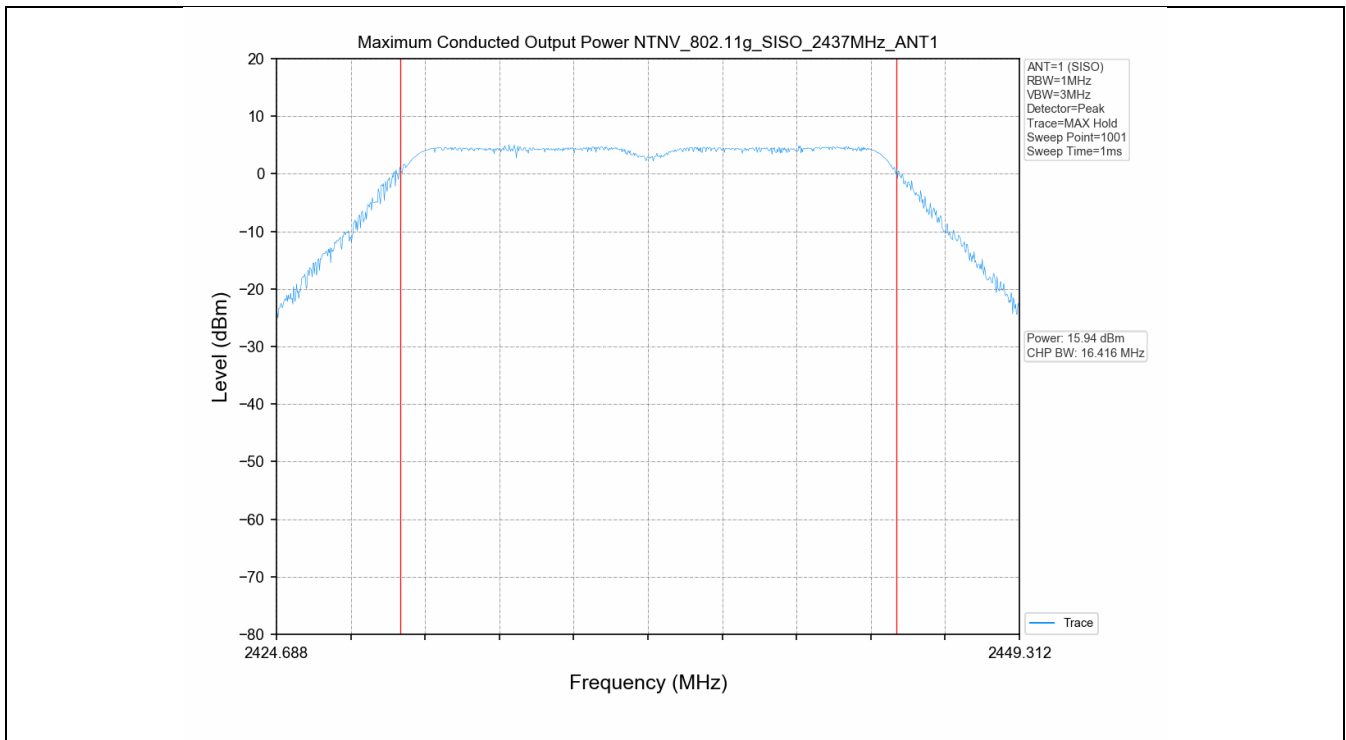
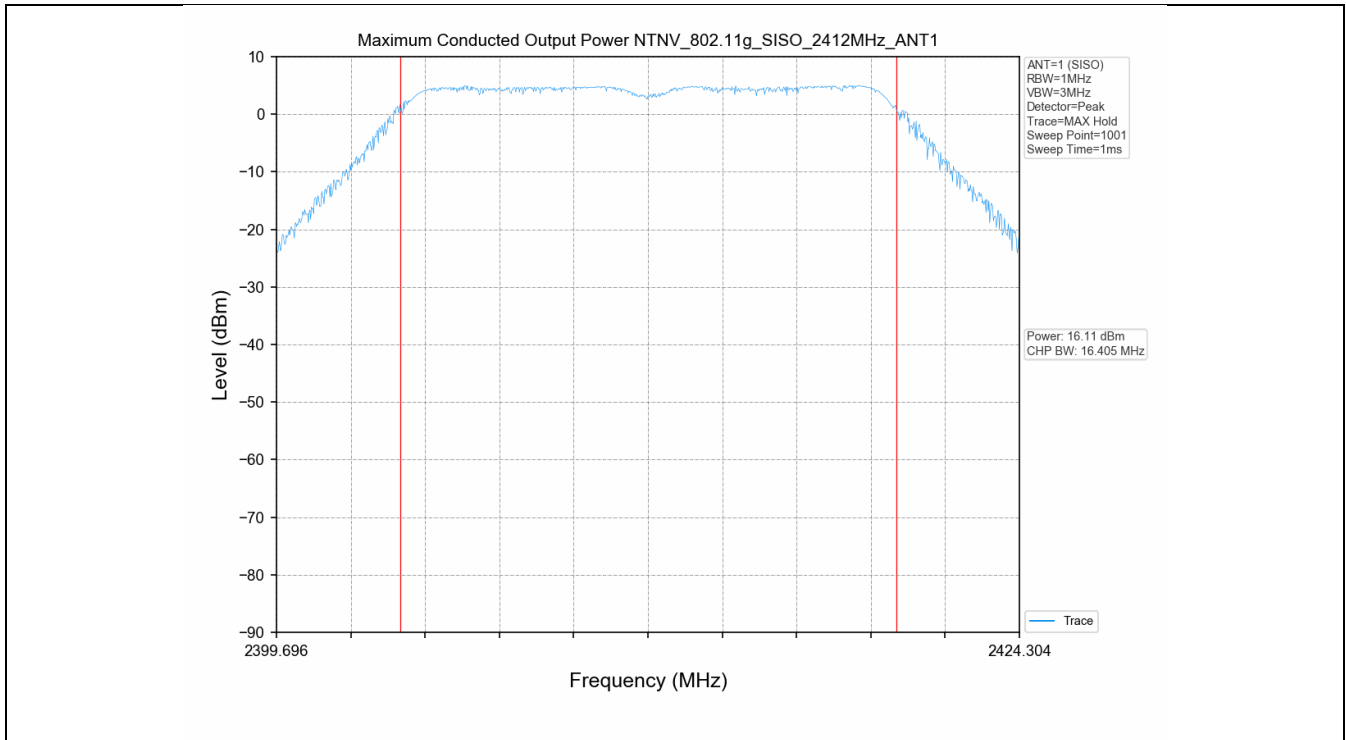
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	15.65	30	PASS
	2437	SISO	15.56	30	PASS
	2462	SISO	15.73	30	PASS
802.11g	2412	SISO	16.11	30	PASS
	2437	SISO	15.94	30	PASS
	2462	SISO	16.04	30	PASS
802.11n(HT20)	2412	SISO	15.55	30	PASS
	2437	SISO	15.93	30	PASS
	2462	SISO	16.21	30	PASS

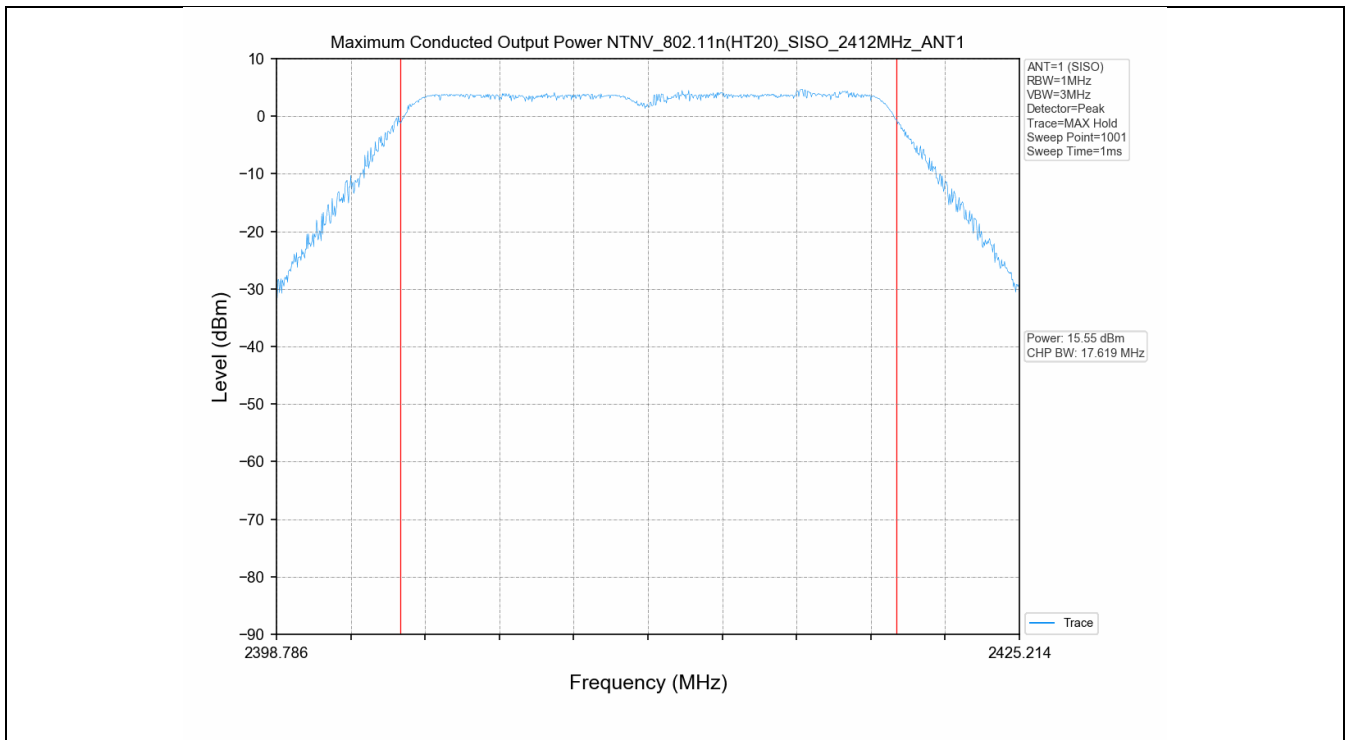
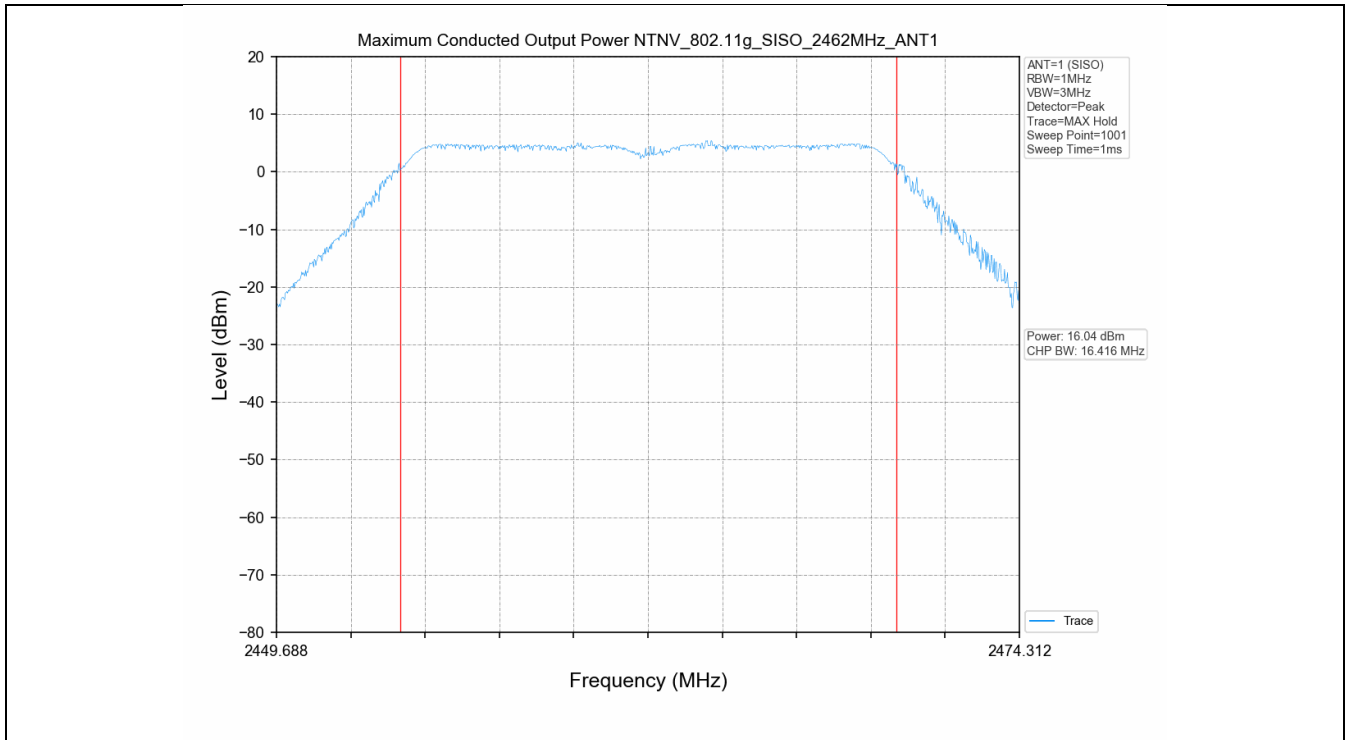
#### 3.2 Test Graph

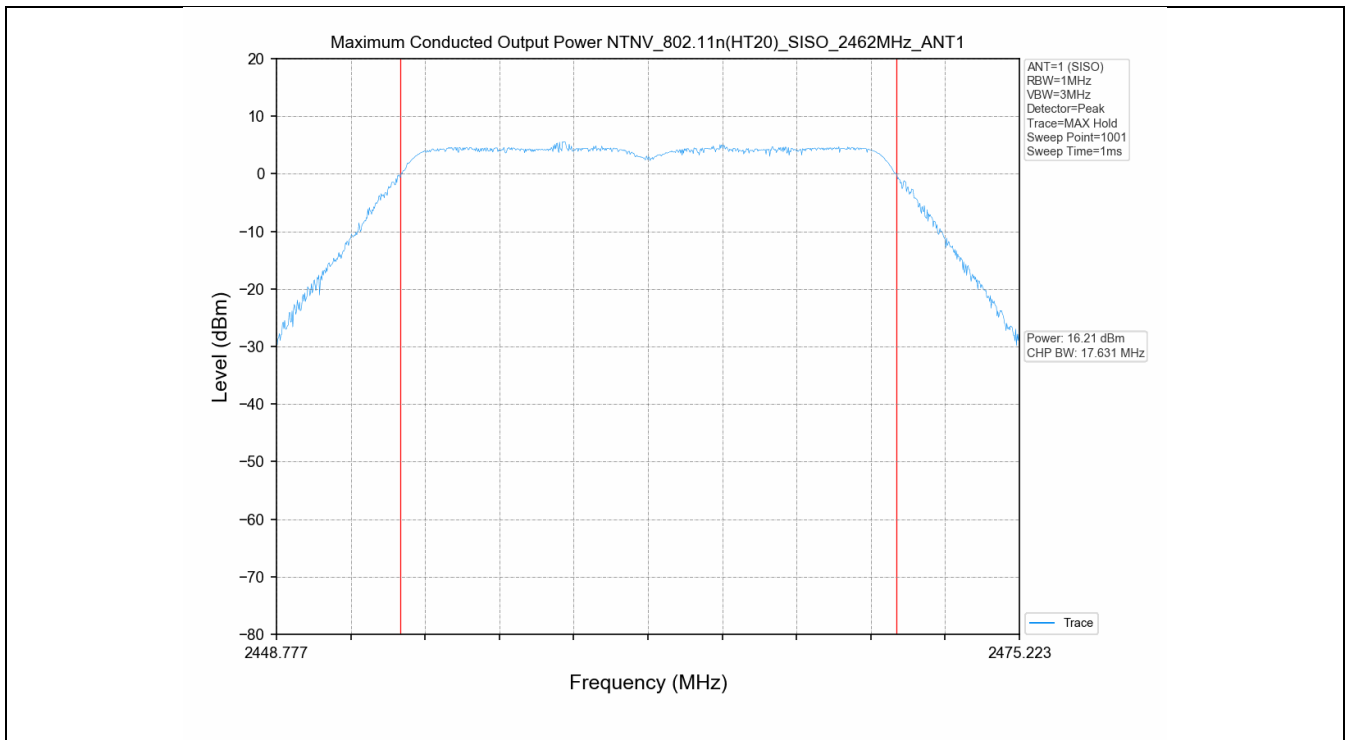
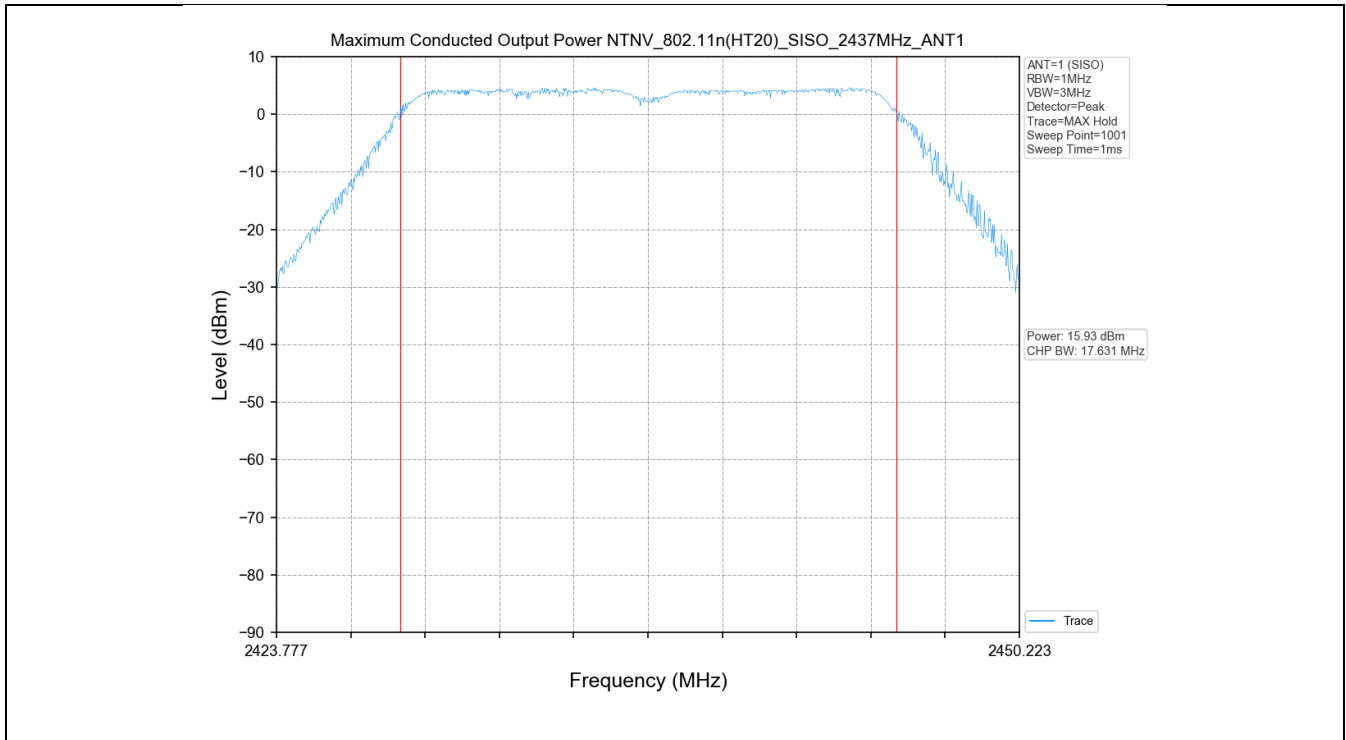










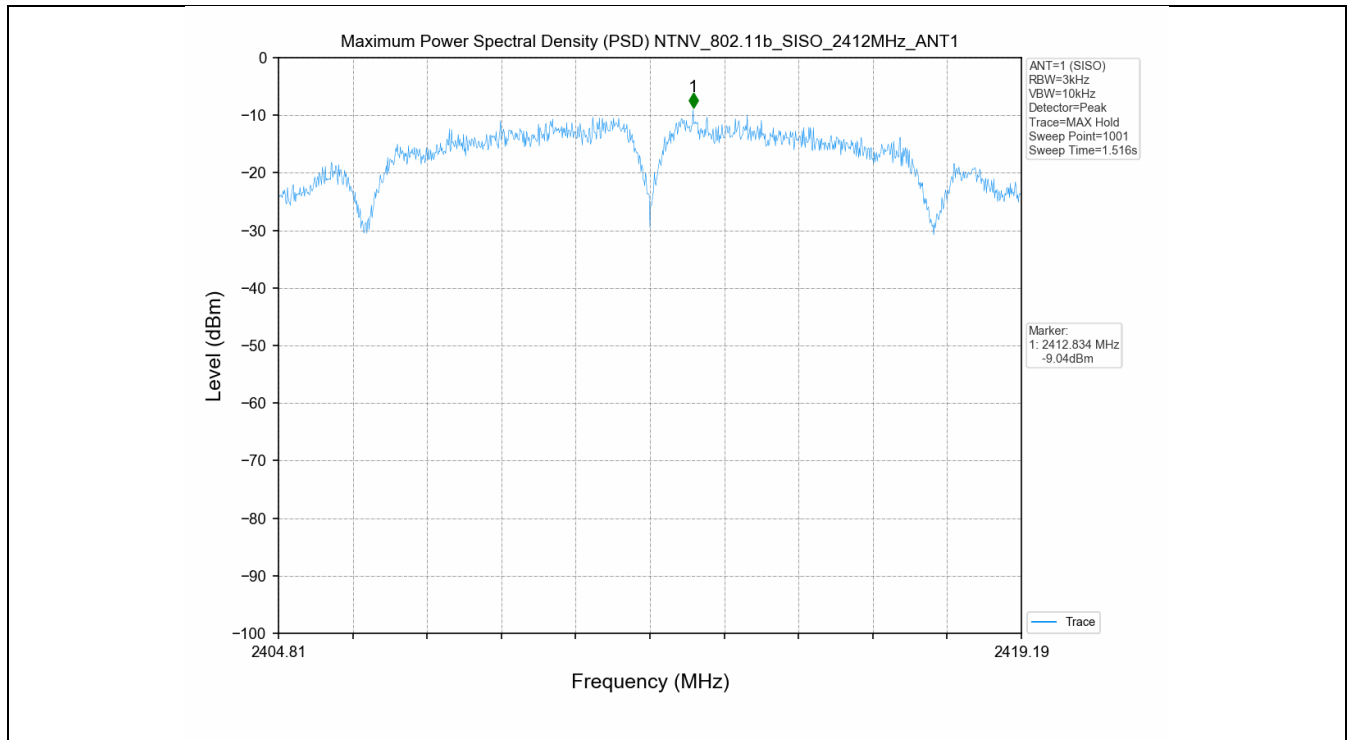


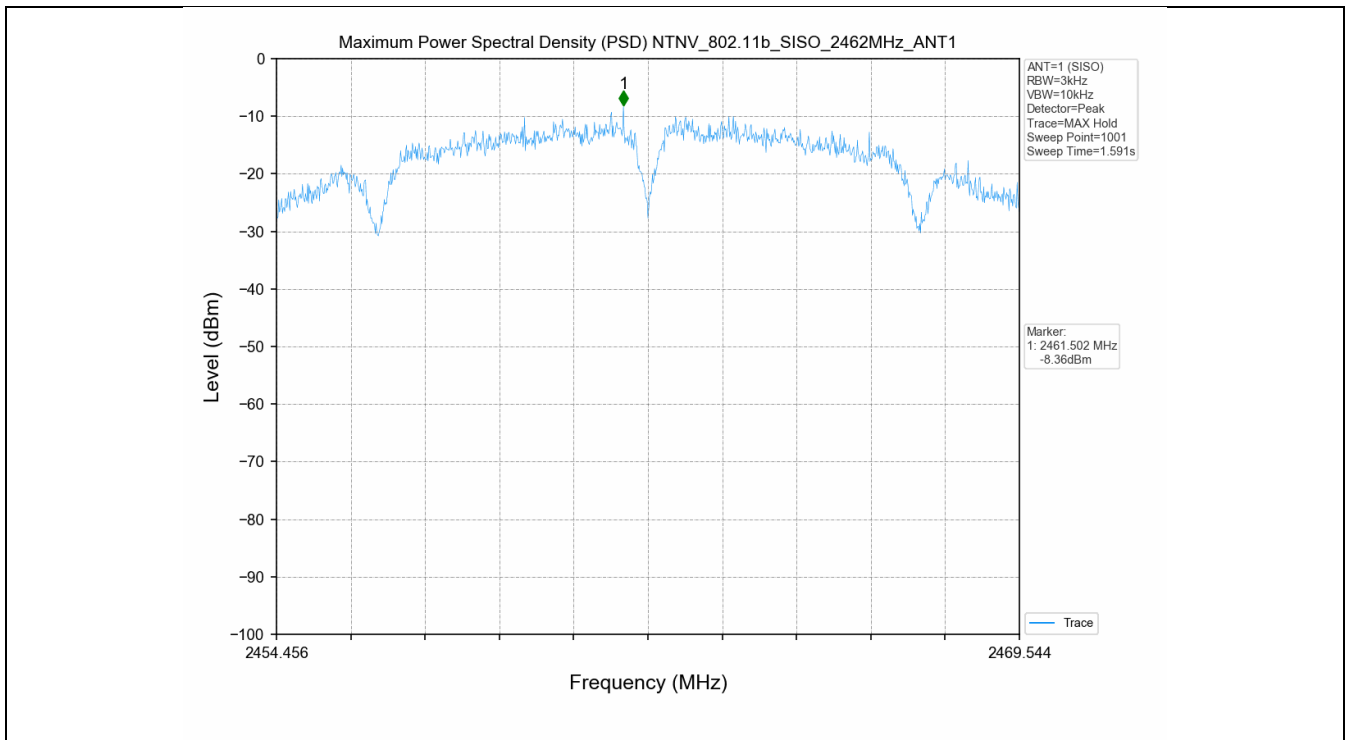
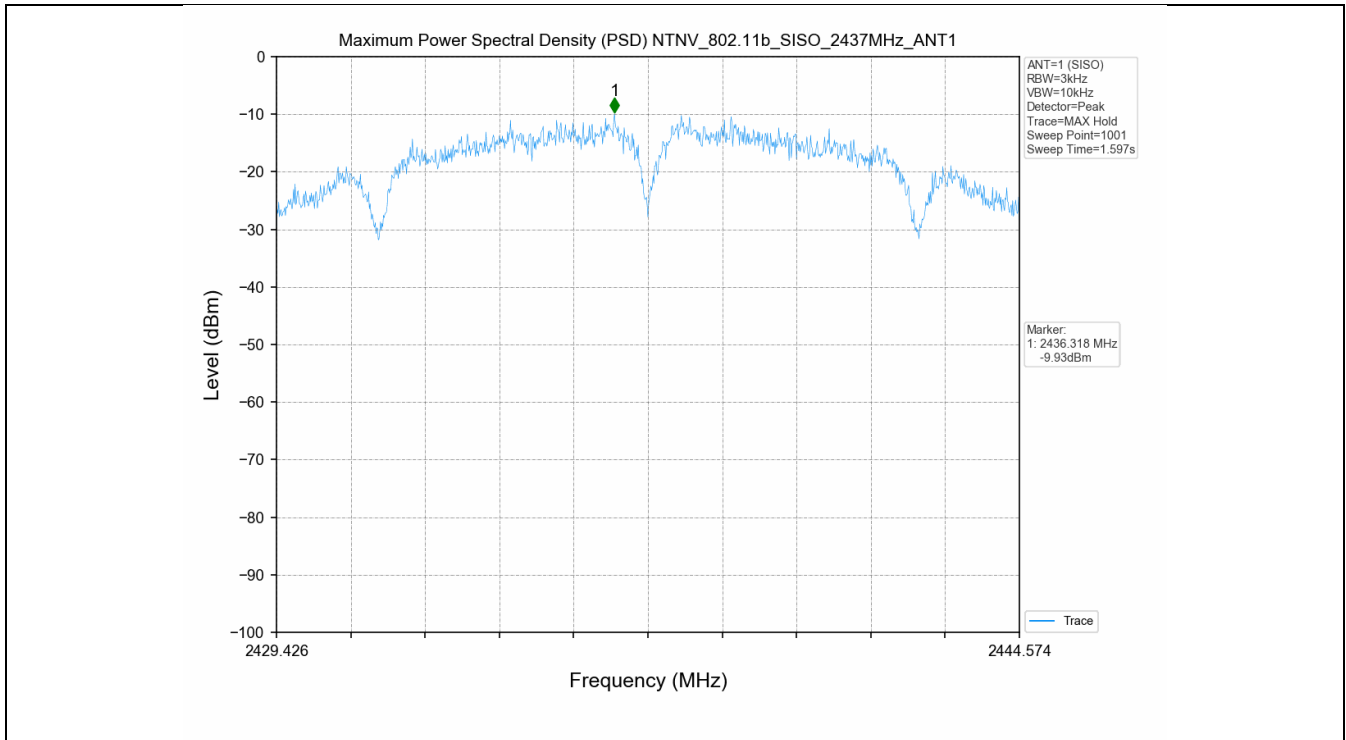
## 4. Maximum Power Spectral Density (PSD)

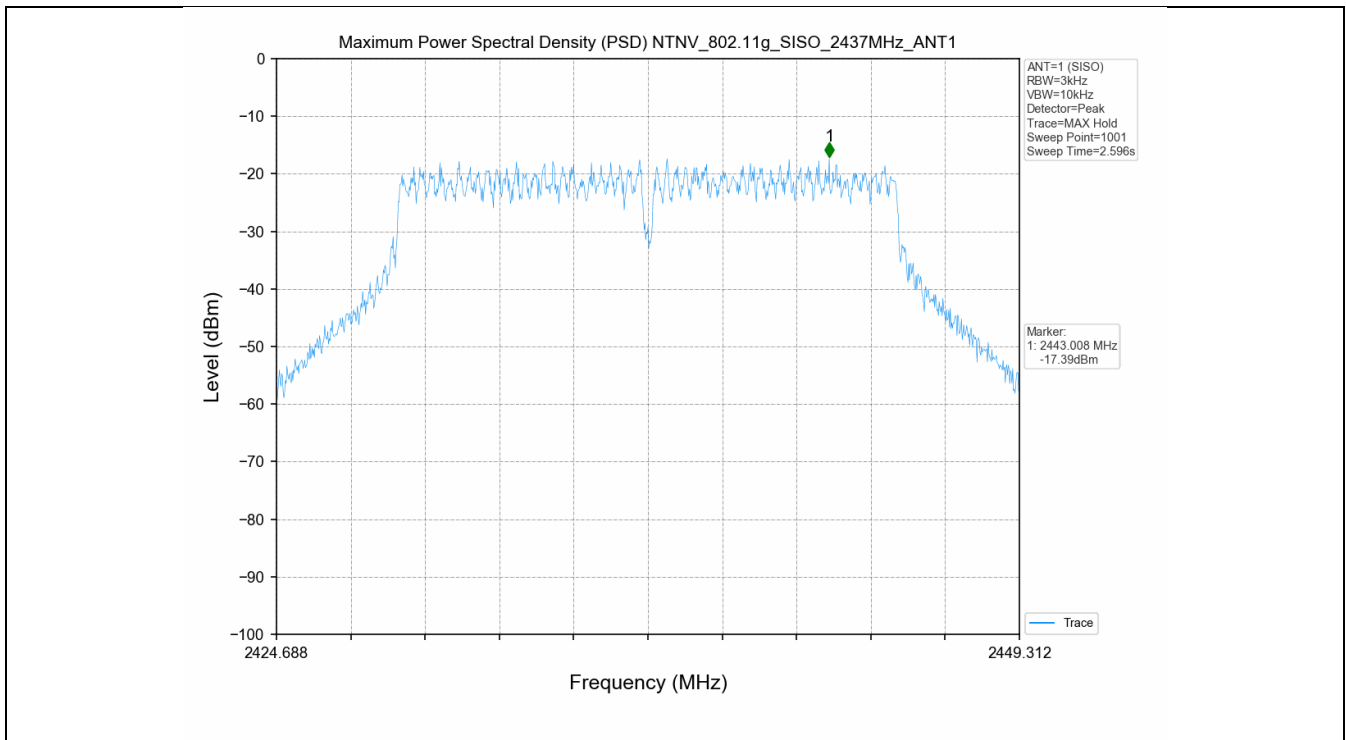
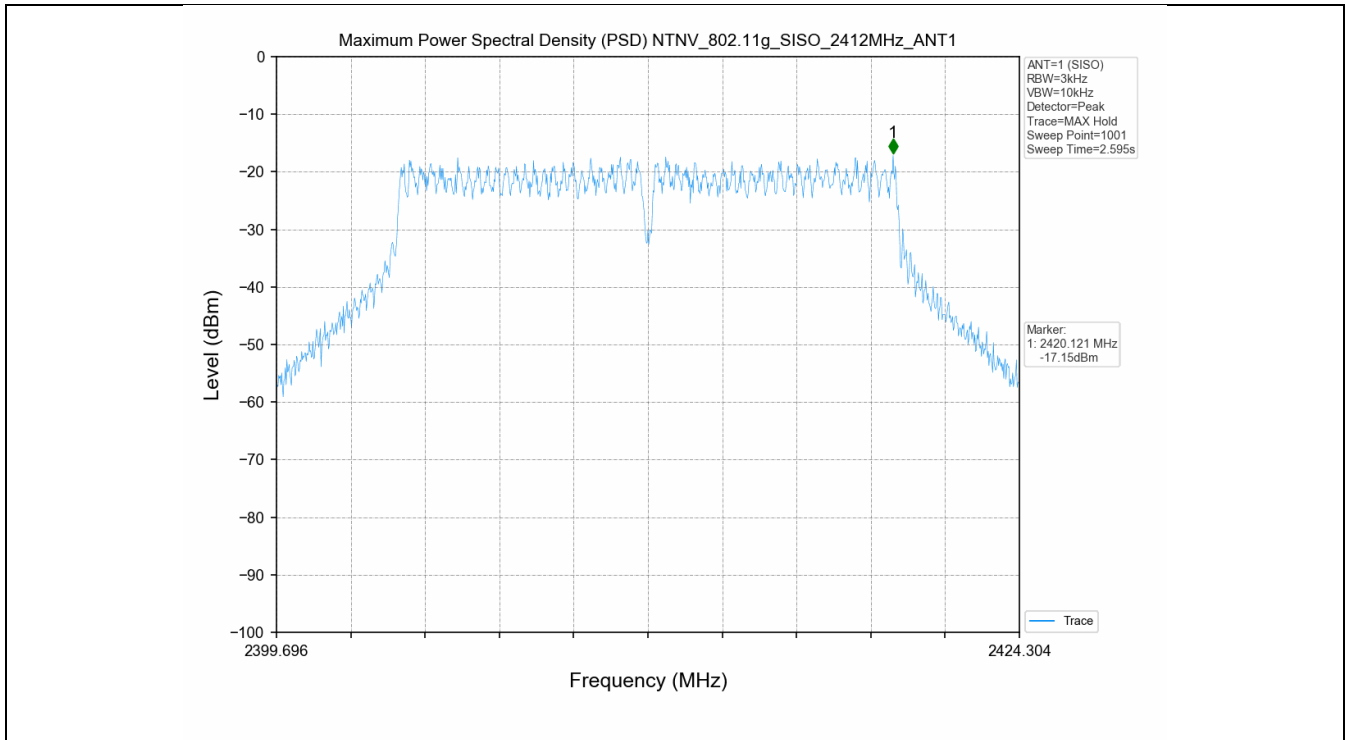
### 4.1 Test Result

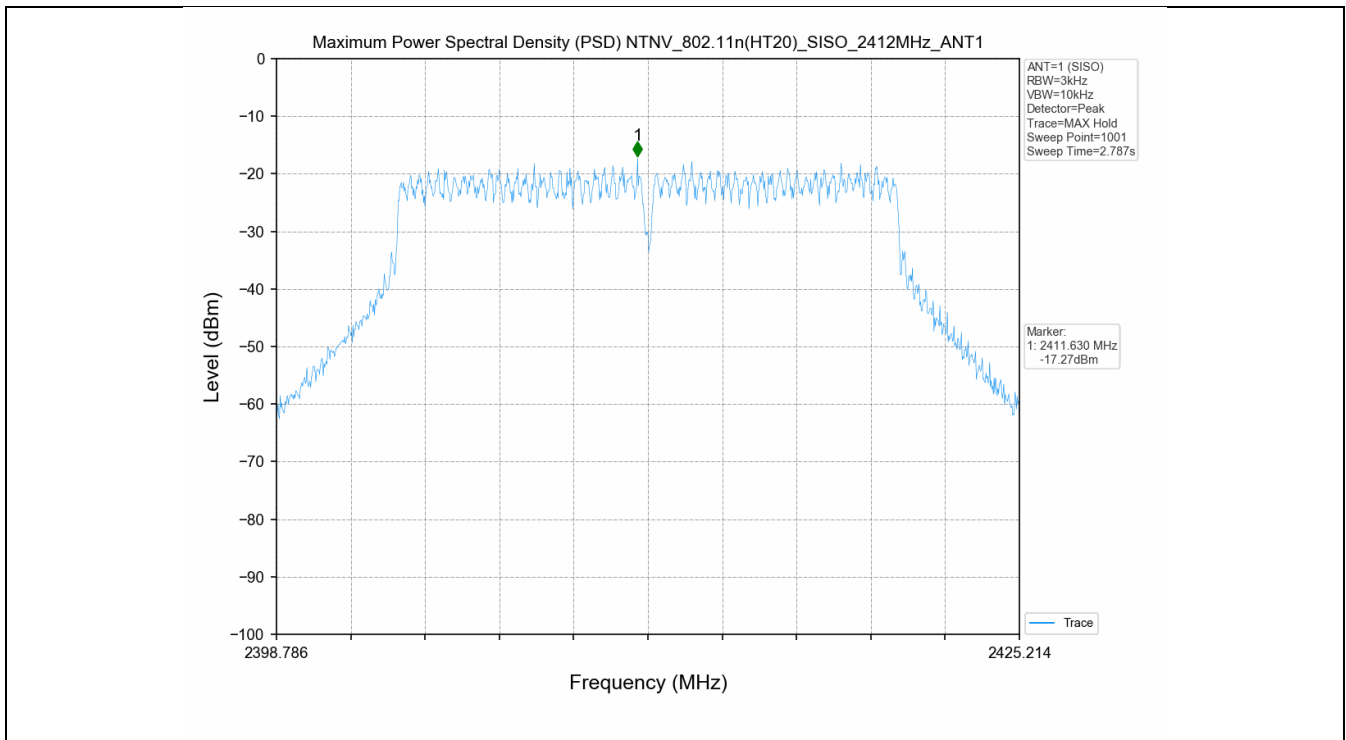
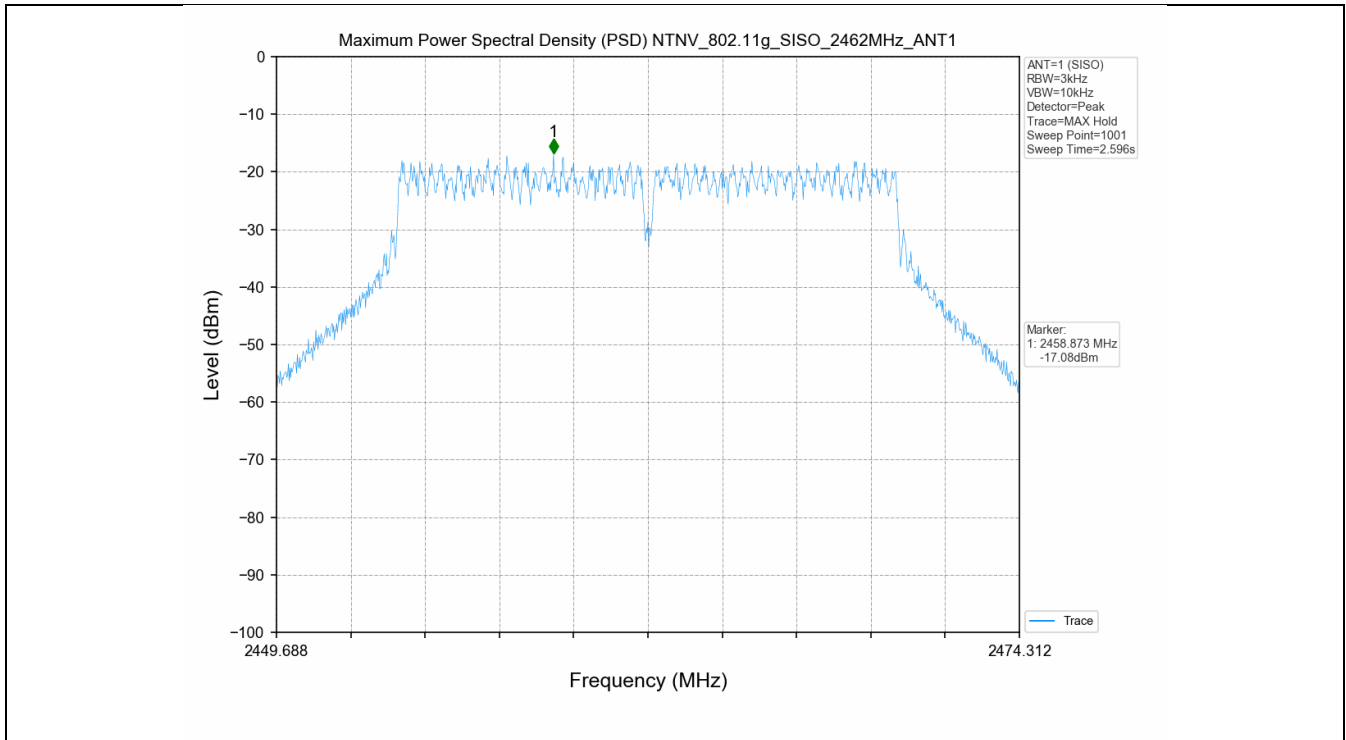
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-9.04	≤8	PASS
	2437	SISO	-9.93	≤8	PASS
	2462	SISO	-8.36	≤8	PASS
802.11g	2412	SISO	-17.15	≤8	PASS
	2437	SISO	-17.39	≤8	PASS
	2462	SISO	-17.08	≤8	PASS
802.11n(HT20)	2412	SISO	-17.27	≤8	PASS
	2437	SISO	-17.08	≤8	PASS
	2462	SISO	-16.15	≤8	PASS

### 4.2 Test Graph

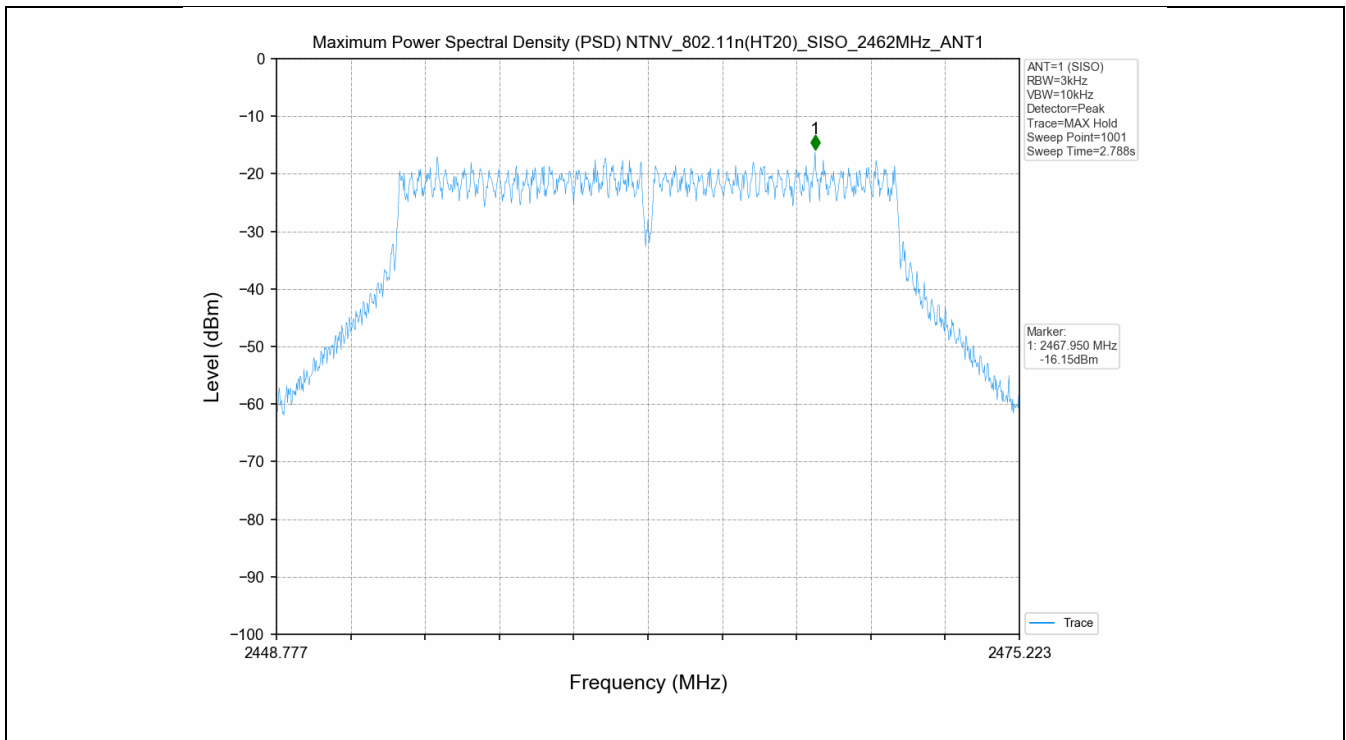
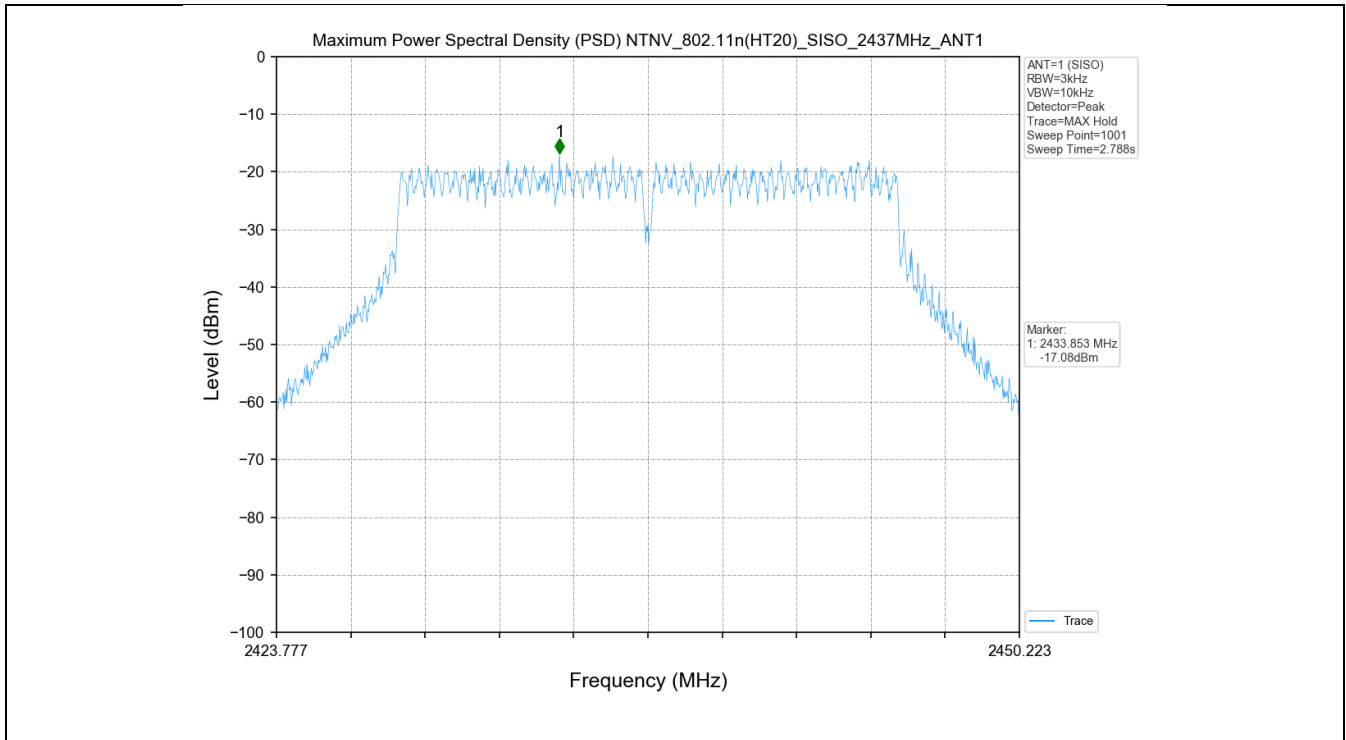














## 5. Unwanted Emissions in Non-restricted Frequency Bands

### 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	-15.74	PASS
	2437	SISO	1	Refer to test graph	-15.74	PASS
	2462	SISO	1	Refer to test graph	-15.74	PASS
802.11g	2412	SISO	1	Refer to test graph	-22.78	PASS
	2437	SISO	1	Refer to test graph	-22.78	PASS
	2462	SISO	1	Refer to test graph	-22.78	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-22.84	PASS
	2437	SISO	1	Refer to test graph	-22.84	PASS
	2462	SISO	1	Refer to test graph	-22.84	PASS

### 5.2 Test Graph

