

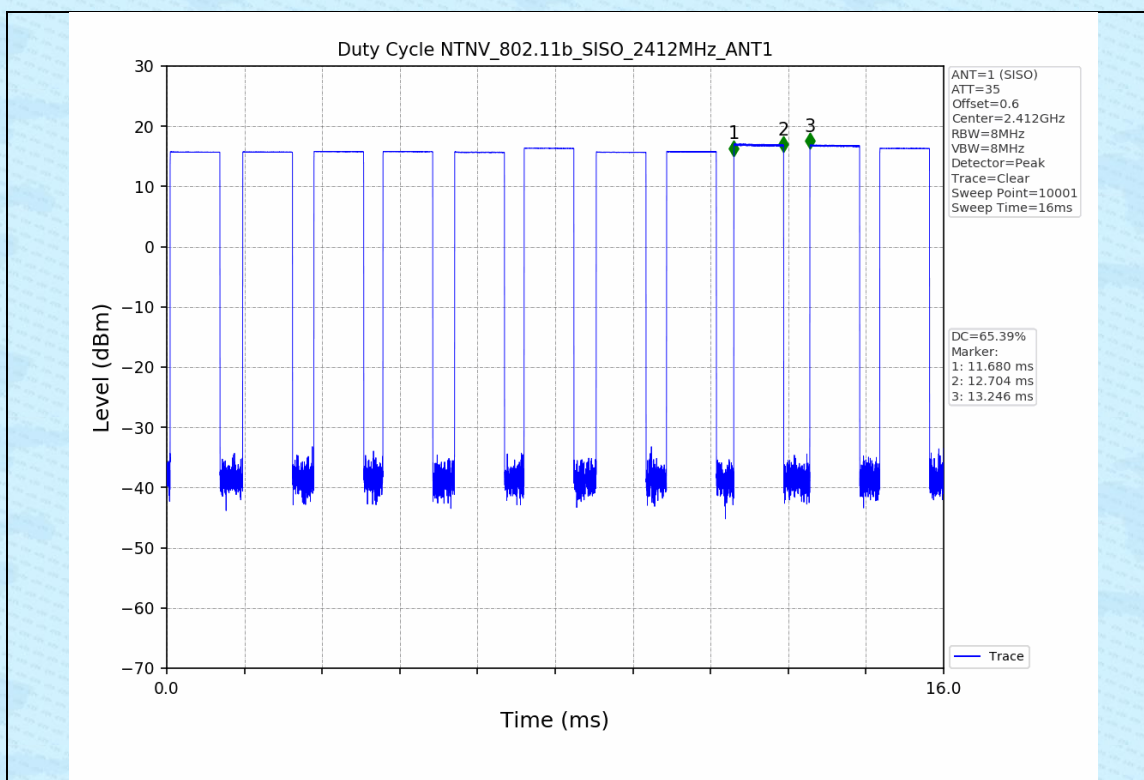
## Appendix for 15.247

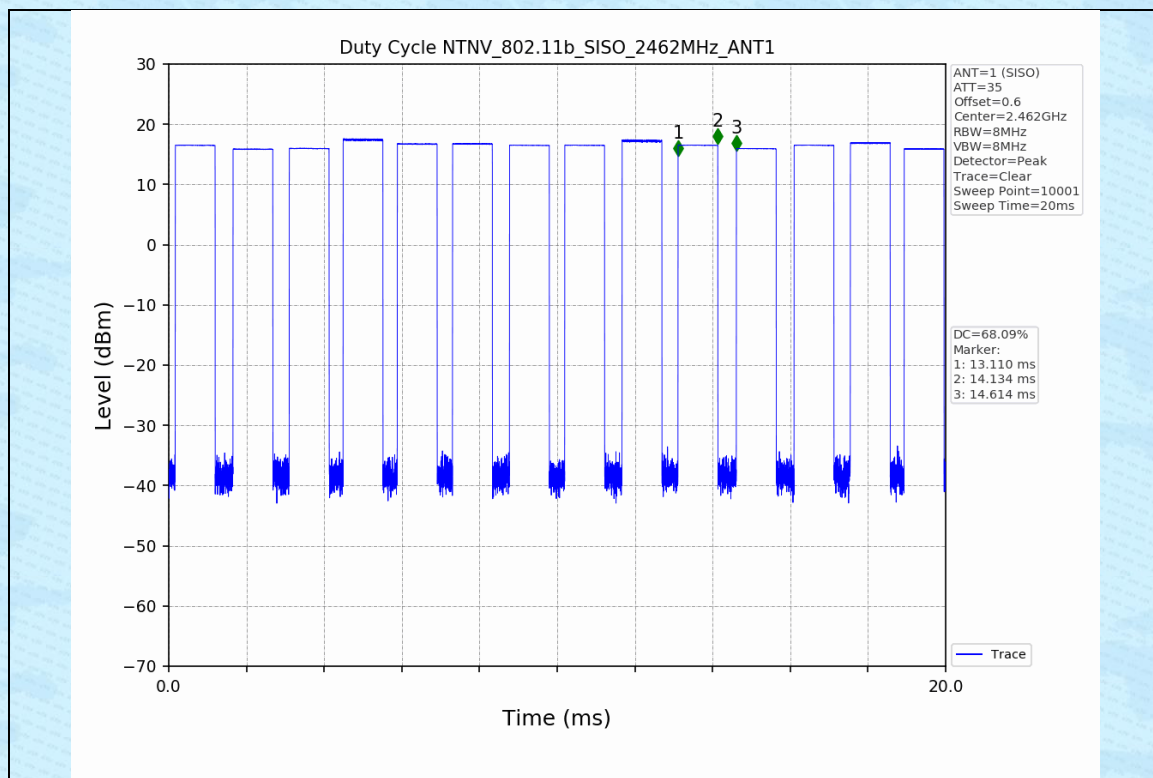
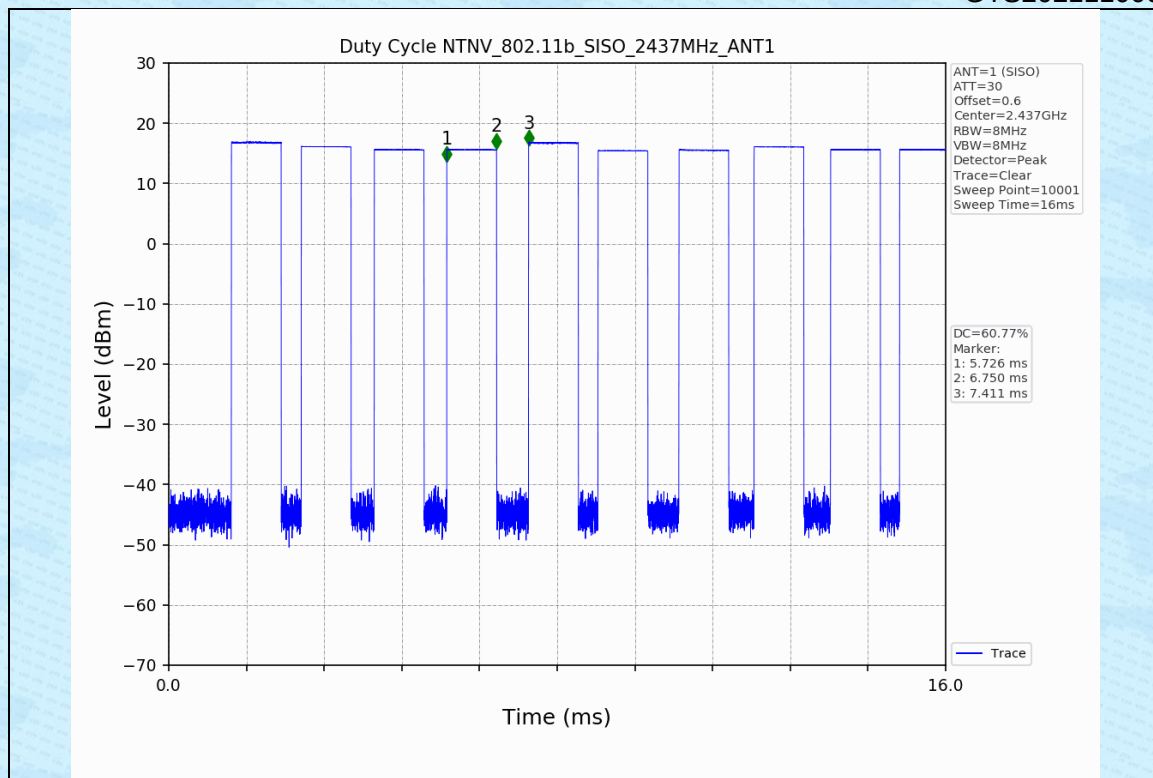
### 1. Duty Cycle

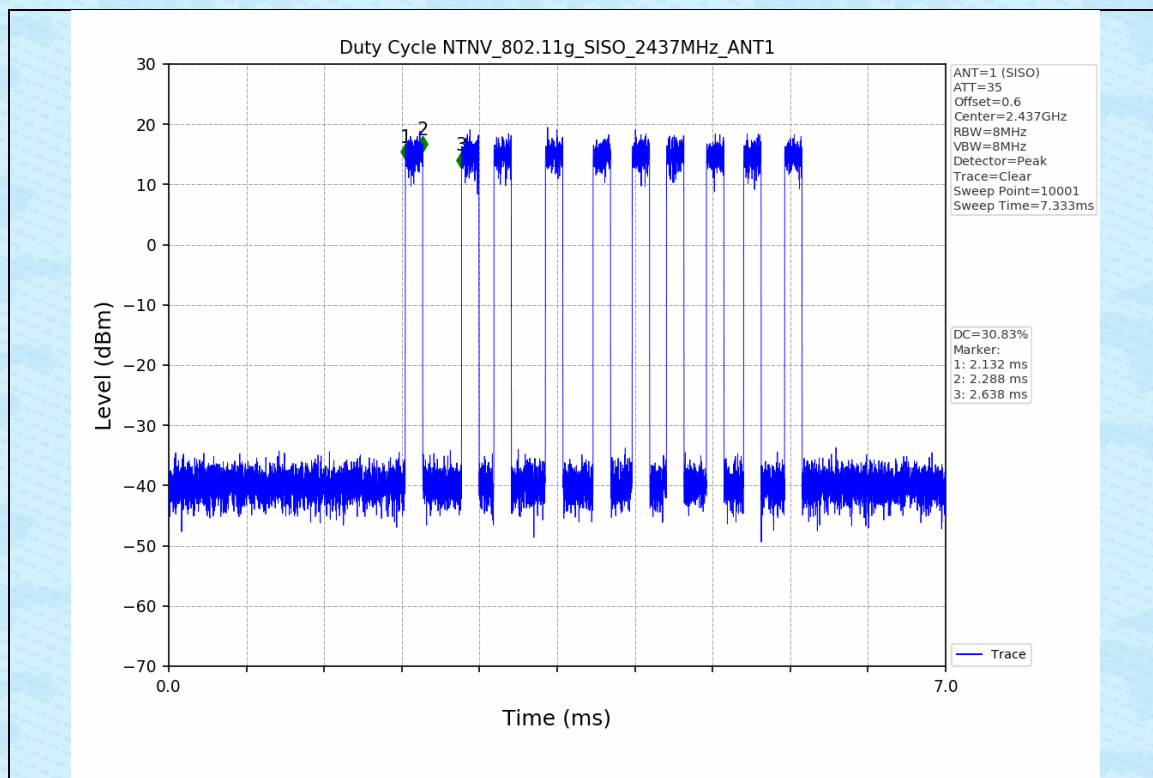
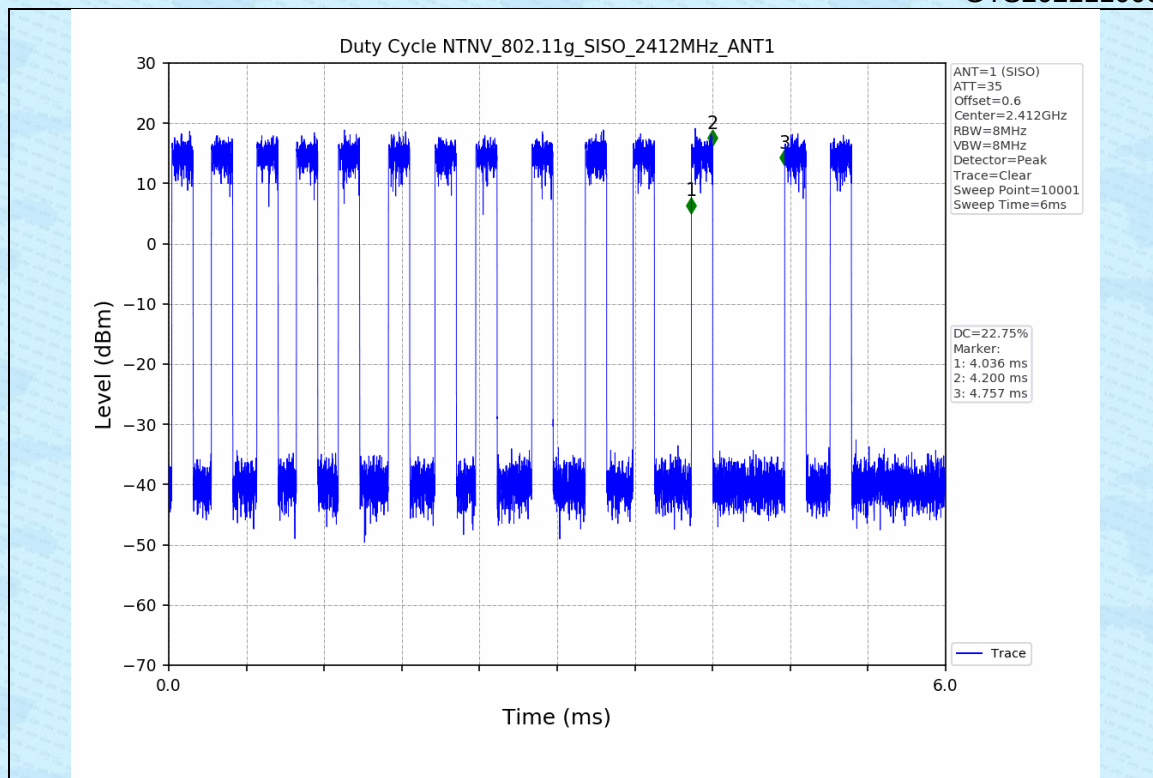
#### 1.1 Test Result

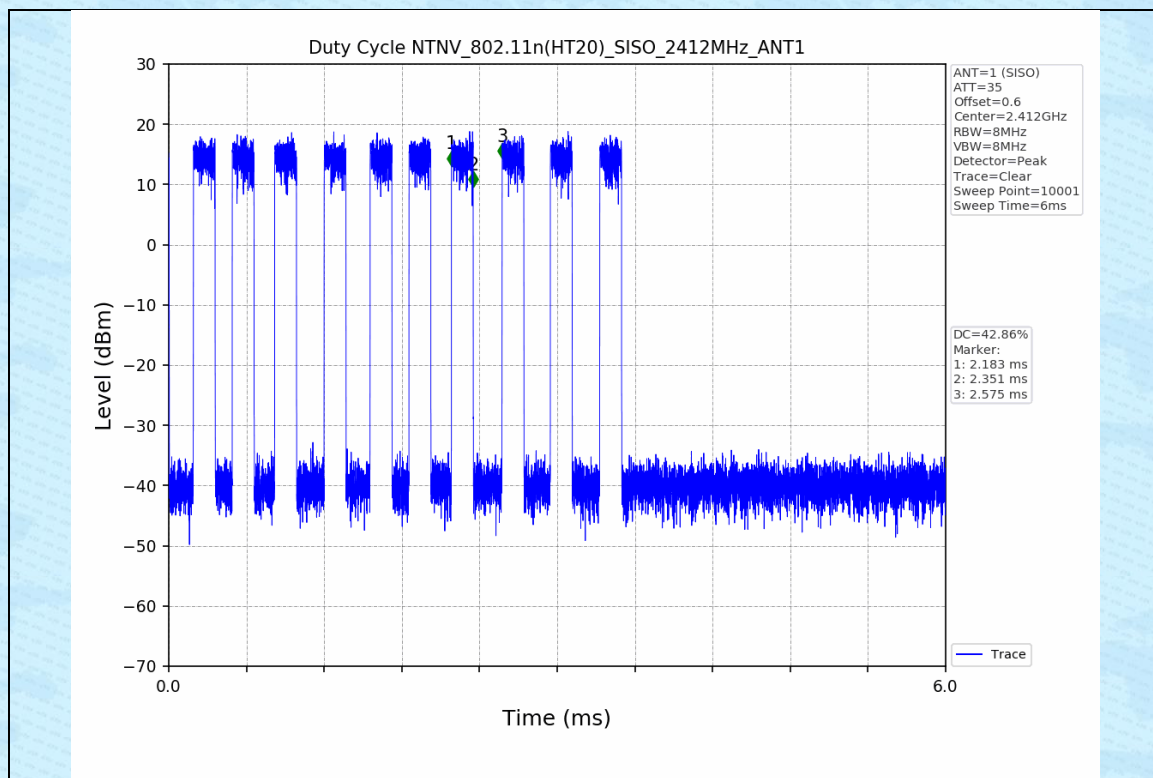
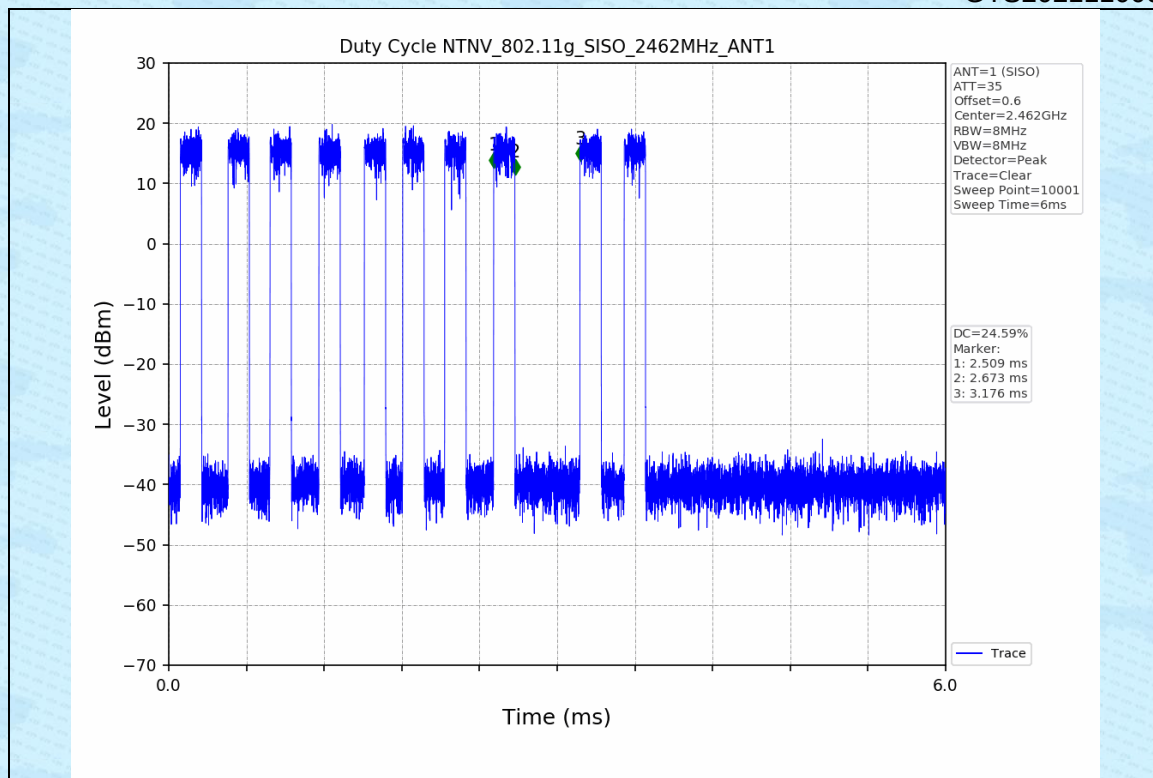
| Test Mode     | Channel Frequency(MHz) | TX Type | ANT No. | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) |
|---------------|------------------------|---------|---------|-----------|-------------|----------------|-----------------------------------|
| 802.11b       | 2412                   | SISO    | 1       | 1.024     | 1.566       | 65.39          | 1.84                              |
|               | 2437                   | SISO    | 1       | 1.024     | 1.685       | 60.77          | 2.16                              |
|               | 2462                   | SISO    | 1       | 1.024     | 1.504       | 68.09          | 1.67                              |
| 802.11g       | 2412                   | SISO    | 1       | 0.164     | 0.721       | 22.75          | 6.43                              |
|               | 2437                   | SISO    | 1       | 0.156     | 0.506       | 30.83          | 5.11                              |
|               | 2462                   | SISO    | 1       | 0.164     | 0.667       | 24.59          | 6.09                              |
| 802.11n(HT20) | 2412                   | SISO    | 1       | 0.168     | 0.392       | 42.86          | 3.68                              |
|               | 2437                   | SISO    | 1       | 0.167     | 0.391       | 42.71          | 3.69                              |
|               | 2462                   | SISO    | 1       | 0.162     | 0.378       | 42.86          | 3.68                              |

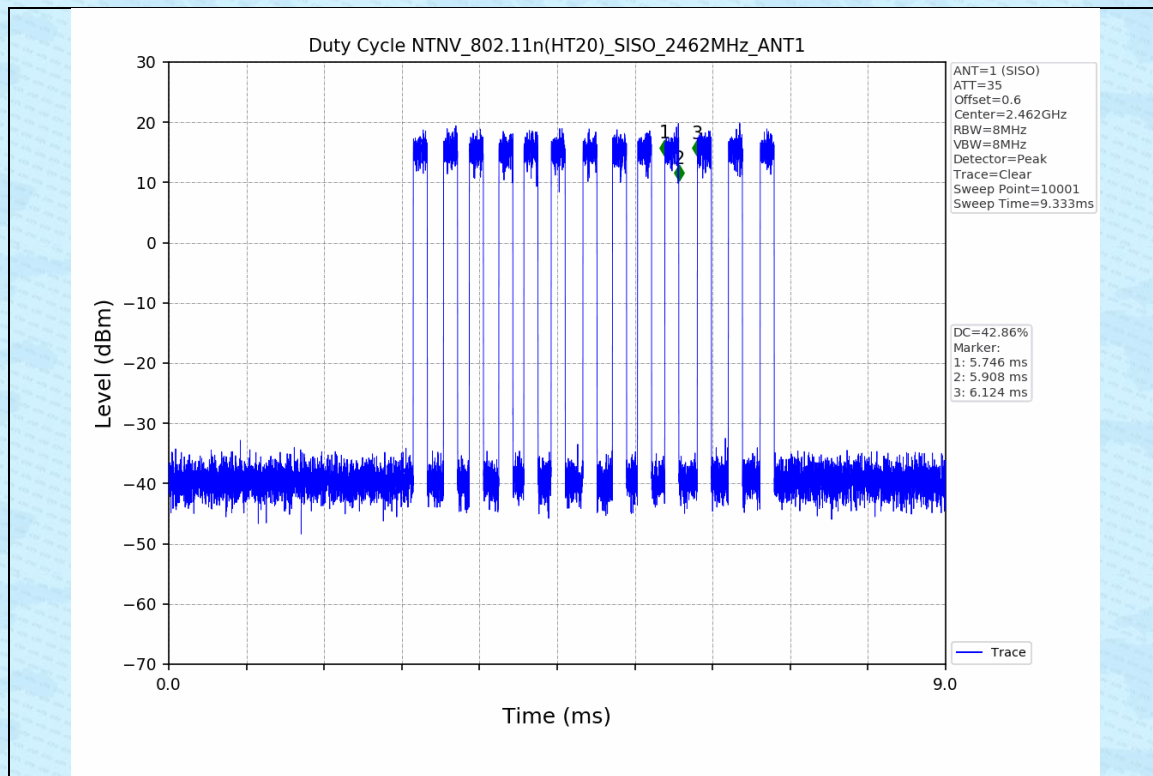
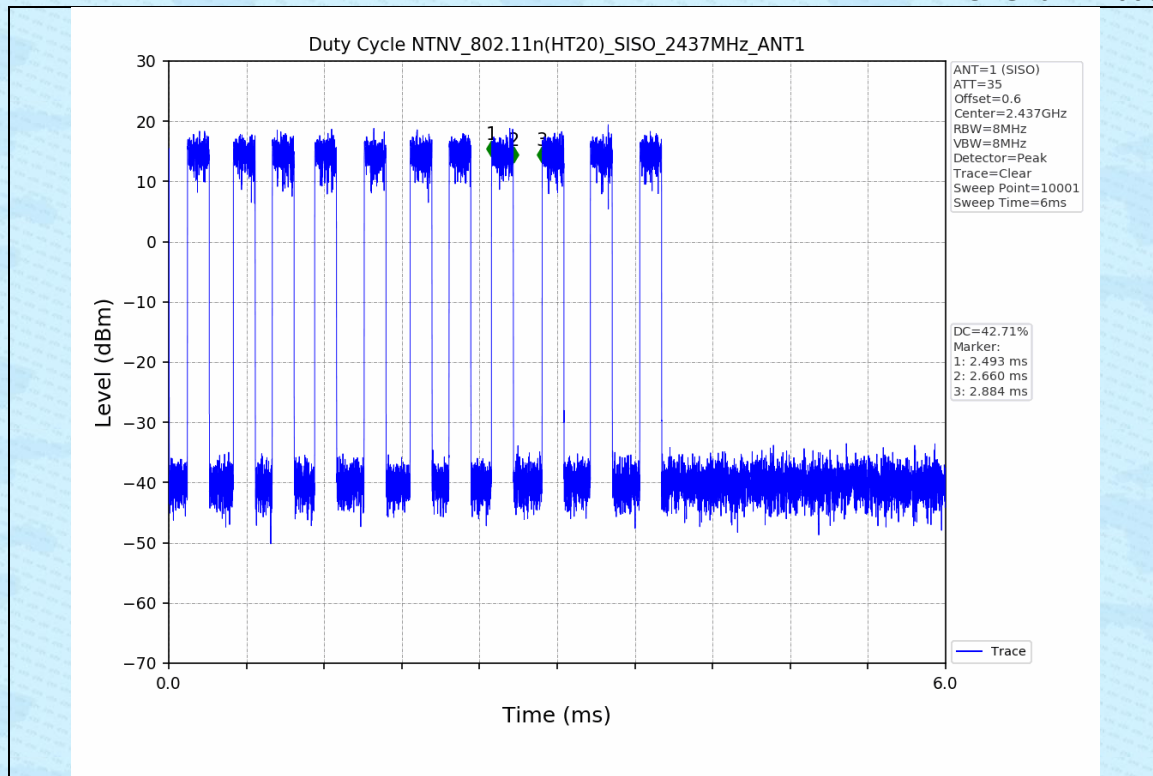
#### 1.2 Test Graph











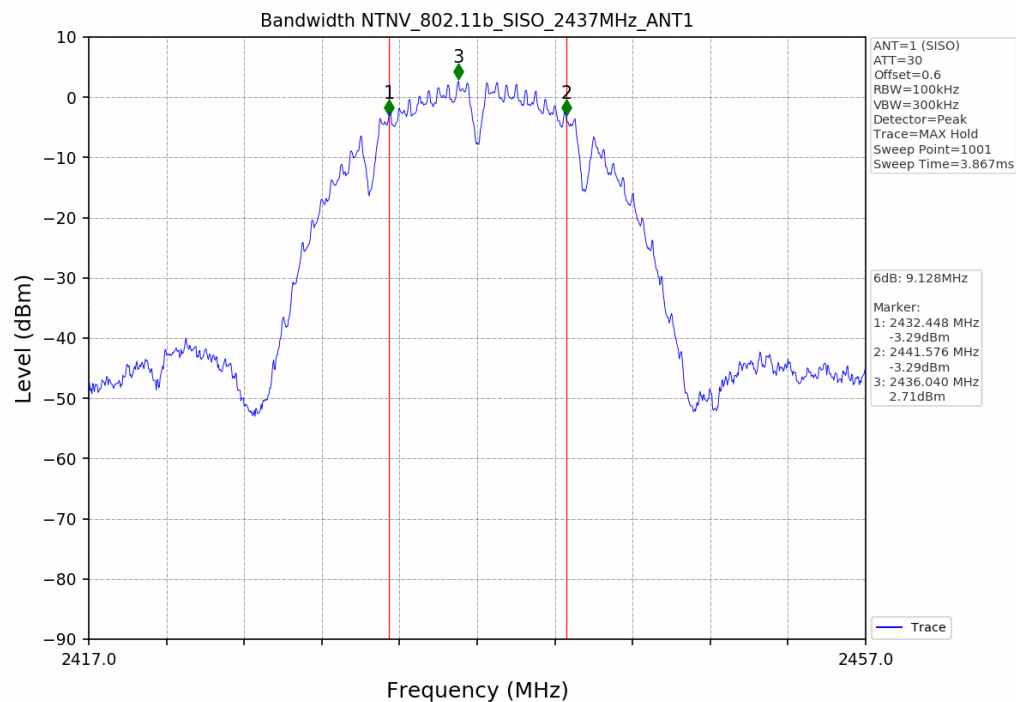
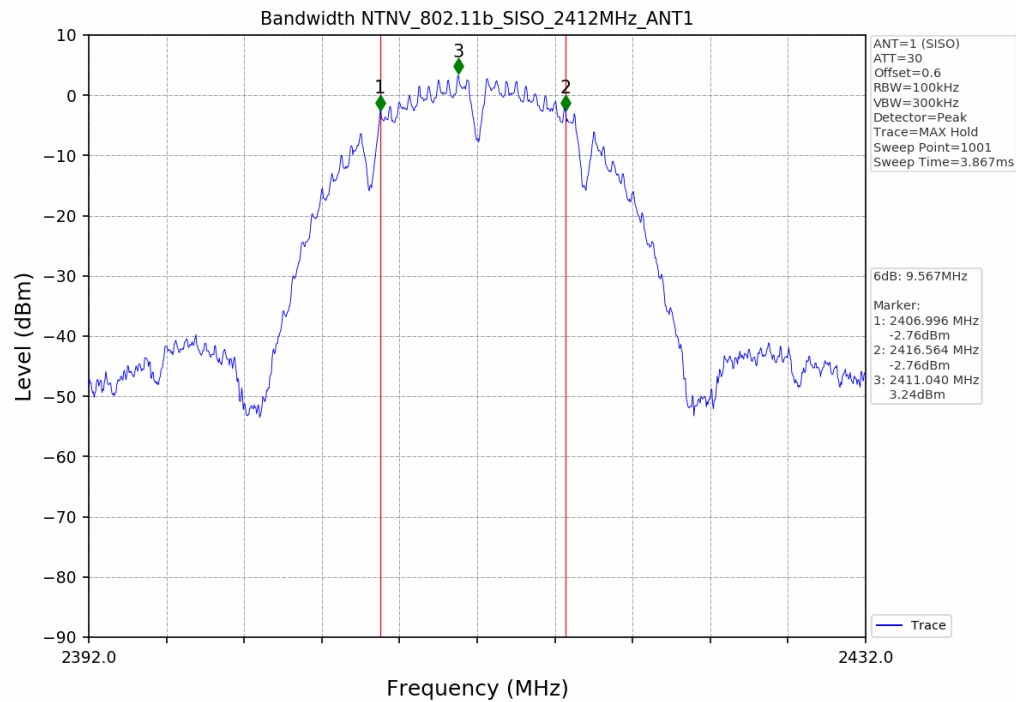
## 2. Bandwidth

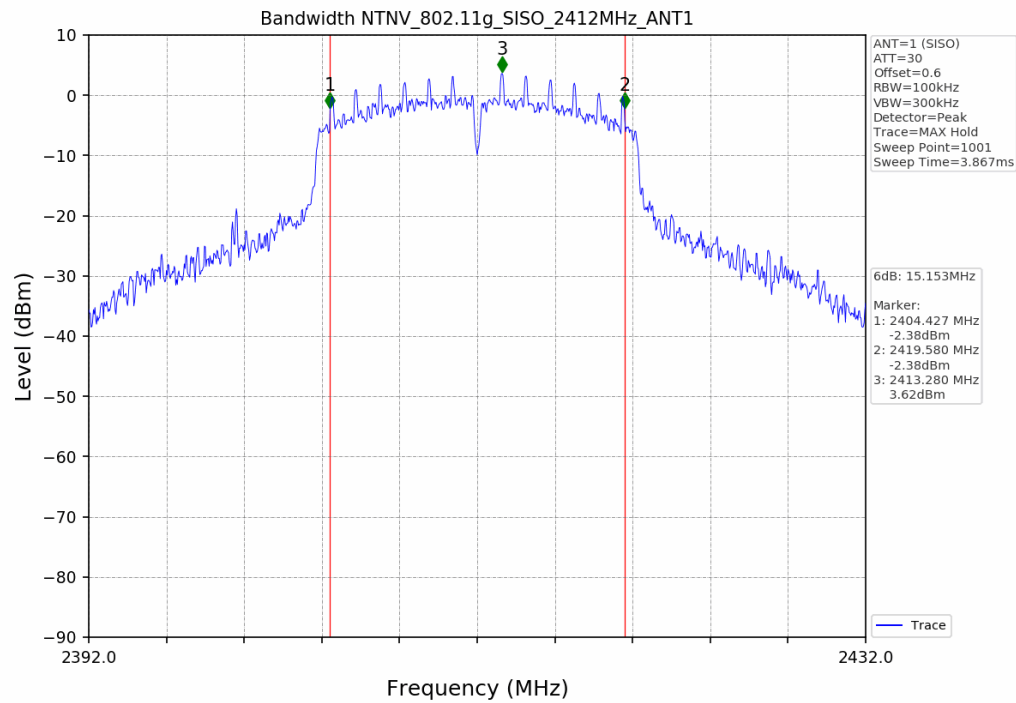
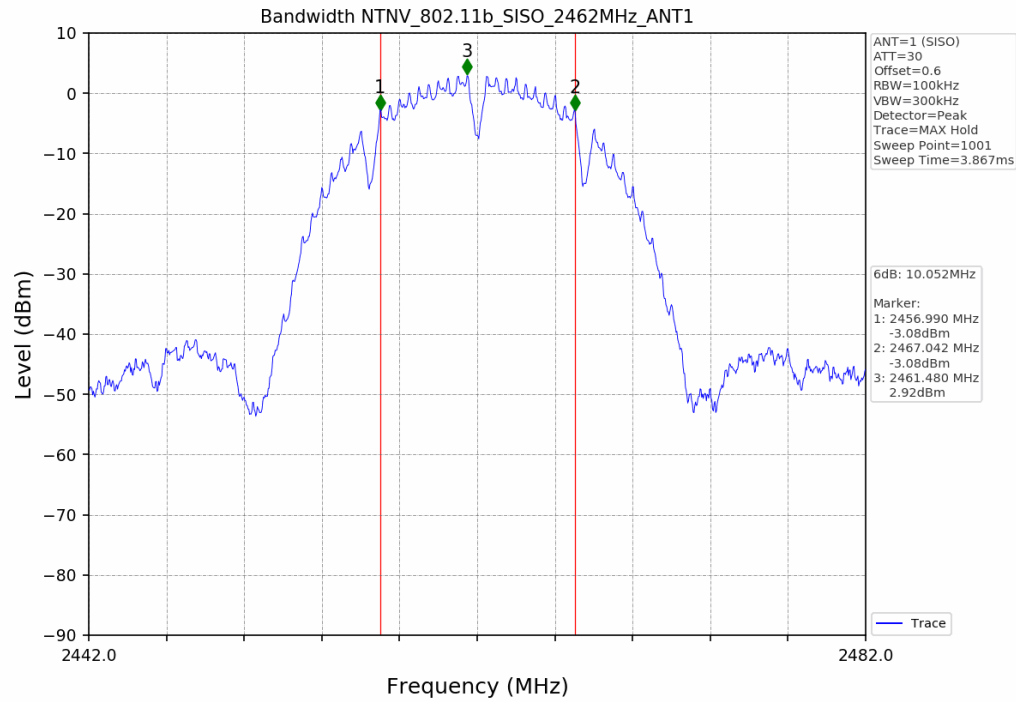
### 2.1 Test Result

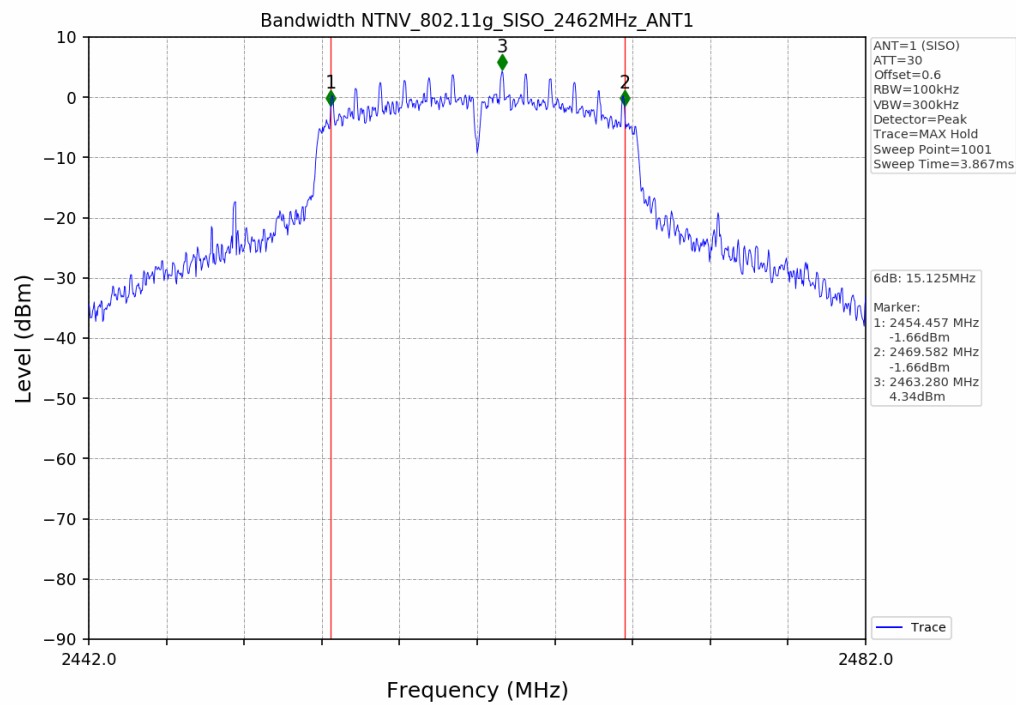
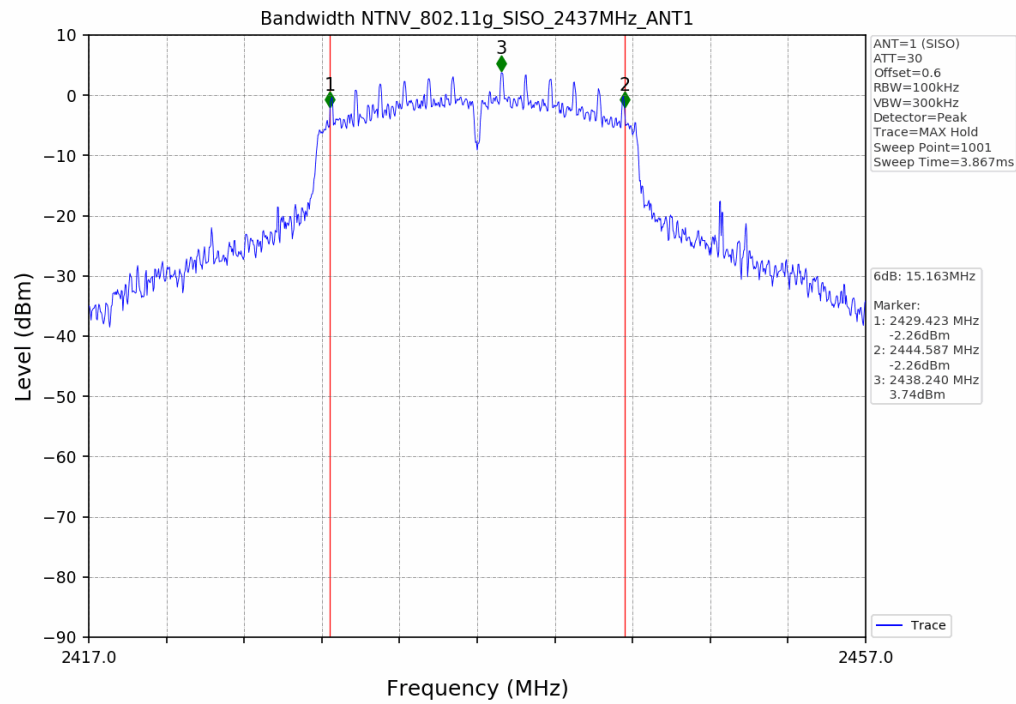
| Test Mode     | Frequency (MHz) | TX Type | ANT No. | 6dB Bandwidth     |              | Verdict |
|---------------|-----------------|---------|---------|-------------------|--------------|---------|
|               |                 |         |         | Test Result (MHz) | Limits (MHz) |         |
| 802.11b       | 2412            | SISO    | 1       | 9.567             | ≥0.5         | PASS    |
|               | 2437            | SISO    | 1       | 9.128             | ≥0.5         | PASS    |
|               | 2462            | SISO    | 1       | 10.052            | ≥0.5         | PASS    |
| 802.11g       | 2412            | SISO    | 1       | 15.153            | ≥0.5         | PASS    |
|               | 2437            | SISO    | 1       | 15.163            | ≥0.5         | PASS    |
|               | 2462            | SISO    | 1       | 15.125            | ≥0.5         | PASS    |
| 802.11n(HT20) | 2412            | SISO    | 1       | 15.142            | ≥0.5         | PASS    |
|               | 2437            | SISO    | 1       | 15.134            | ≥0.5         | PASS    |
|               | 2462            | SISO    | 1       | 15.148            | ≥0.5         | PASS    |

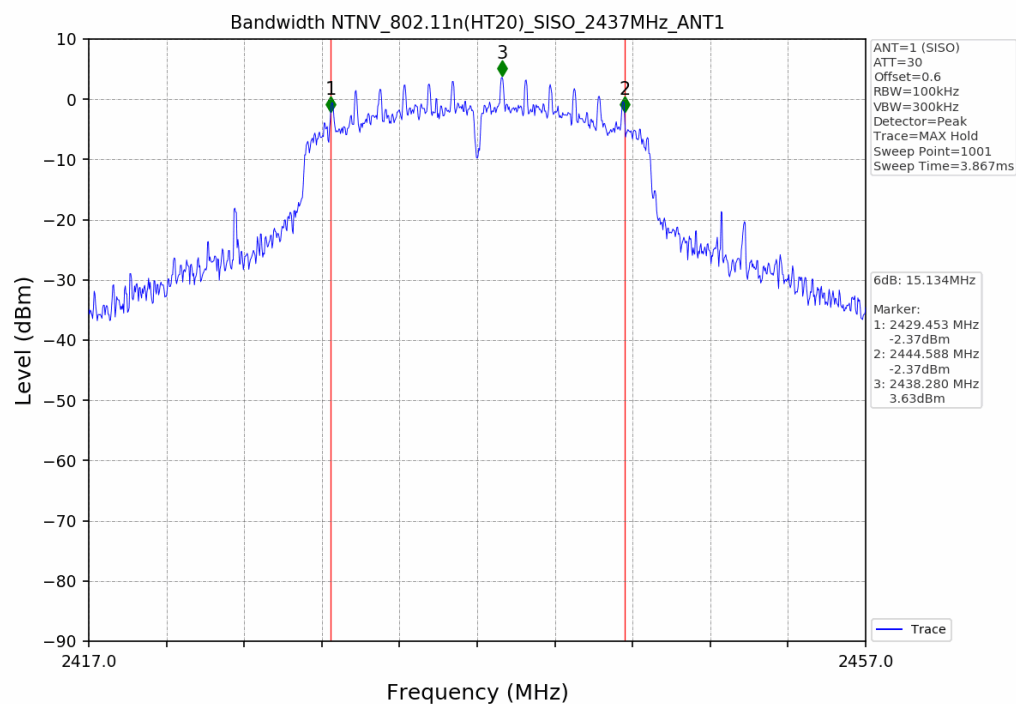
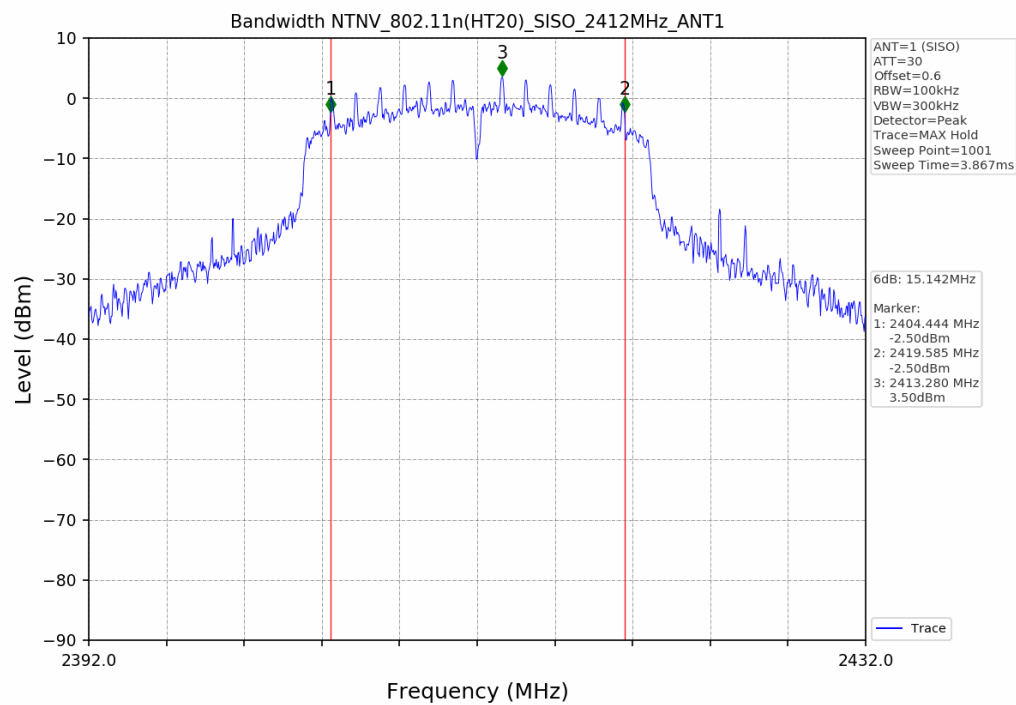
| Test Mode     | Frequency (MHz) | TX Type | ANT No. | 99% Occupied Bandwidth |                     |
|---------------|-----------------|---------|---------|------------------------|---------------------|
|               |                 |         |         | Test Result (MHz)      |                     |
| 802.11b       | 2412            | SISO    | 1       | 14.030                 | Only for Report Use |
|               | 2437            | SISO    | 1       | 14.008                 | Only for Report Use |
|               | 2462            | SISO    | 1       | 14.013                 | Only for Report Use |
| 802.11g       | 2412            | SISO    | 1       | 17.013                 | Only for Report Use |
|               | 2437            | SISO    | 1       | 17.018                 | Only for Report Use |
|               | 2462            | SISO    | 1       | 16.977                 | Only for Report Use |
| 802.11n(HT20) | 2412            | SISO    | 1       | 18.080                 | Only for Report Use |
|               | 2437            | SISO    | 1       | 18.141                 | Only for Report Use |
|               | 2462            | SISO    | 1       | 18.041                 | Only for Report Use |

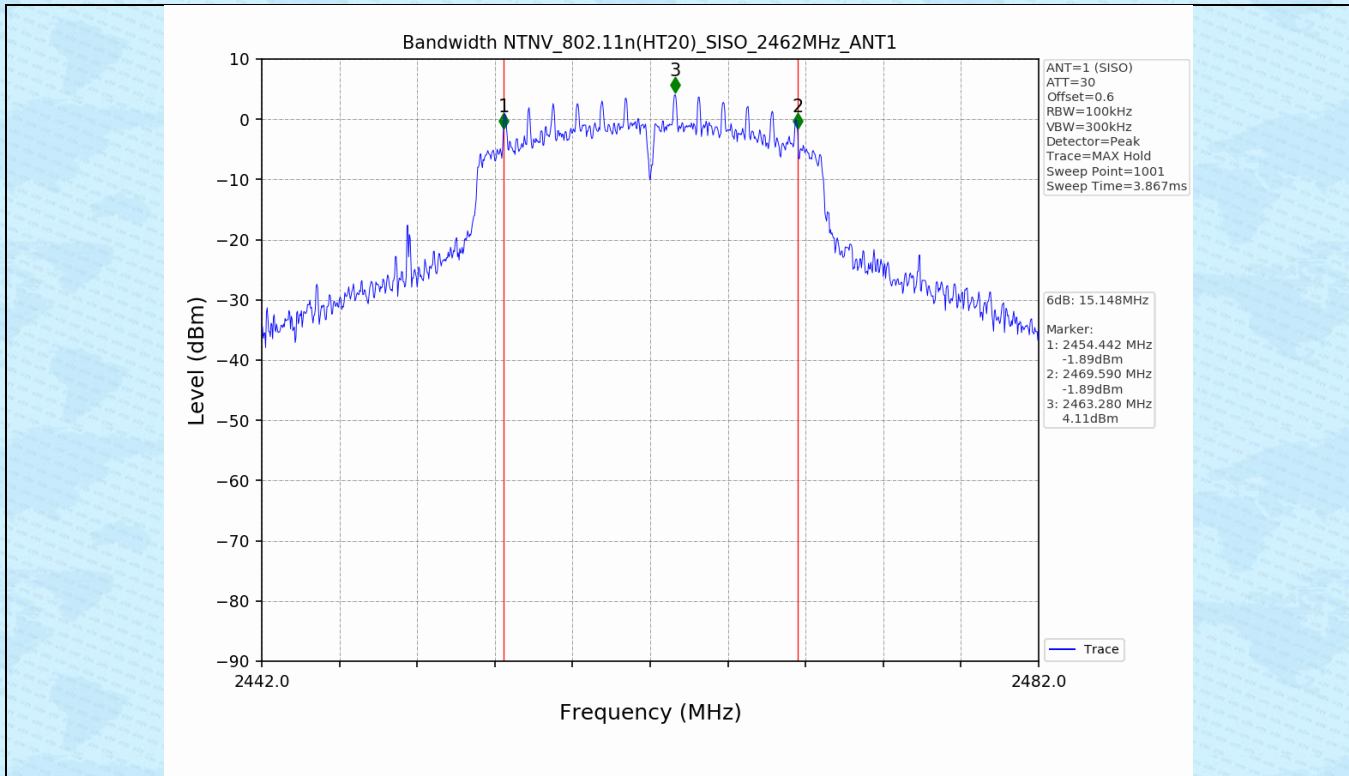
### 2.2 Test Graph - 6dB Bandwidth



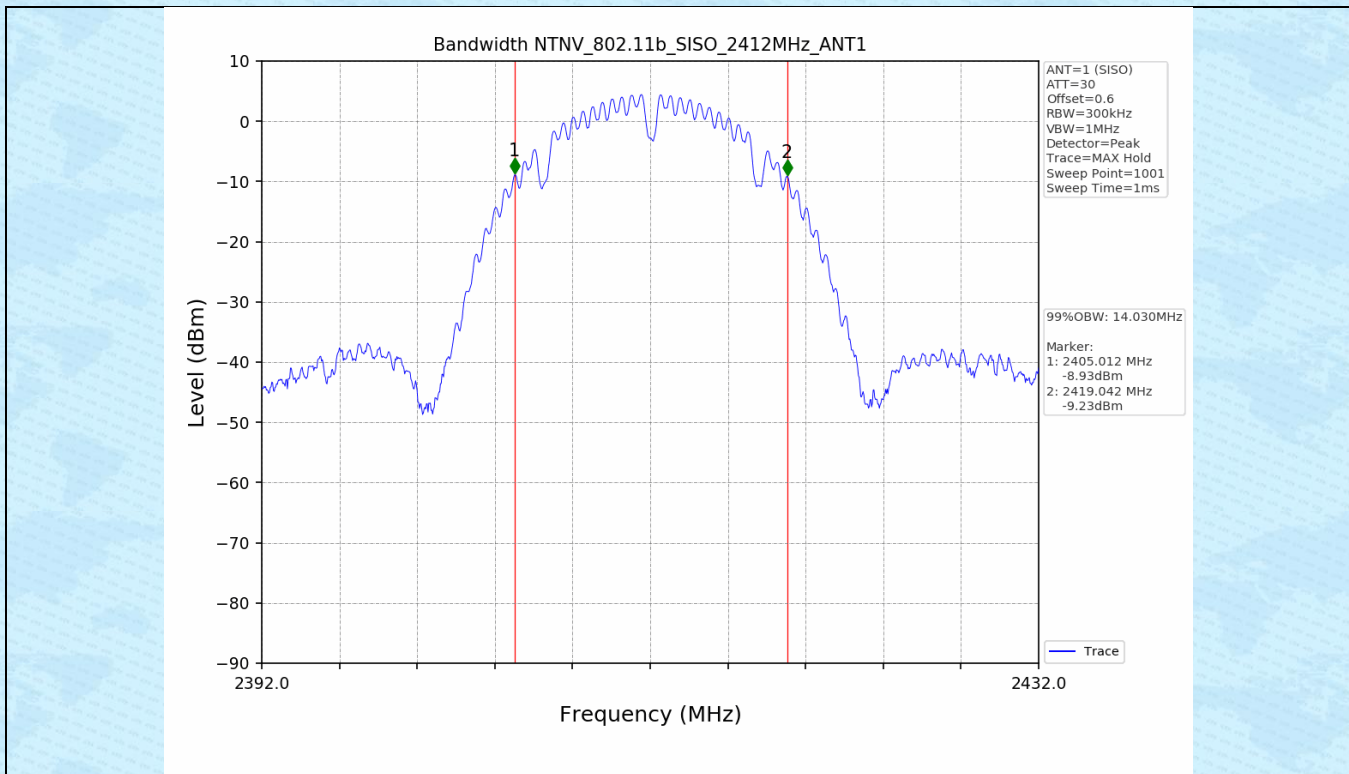


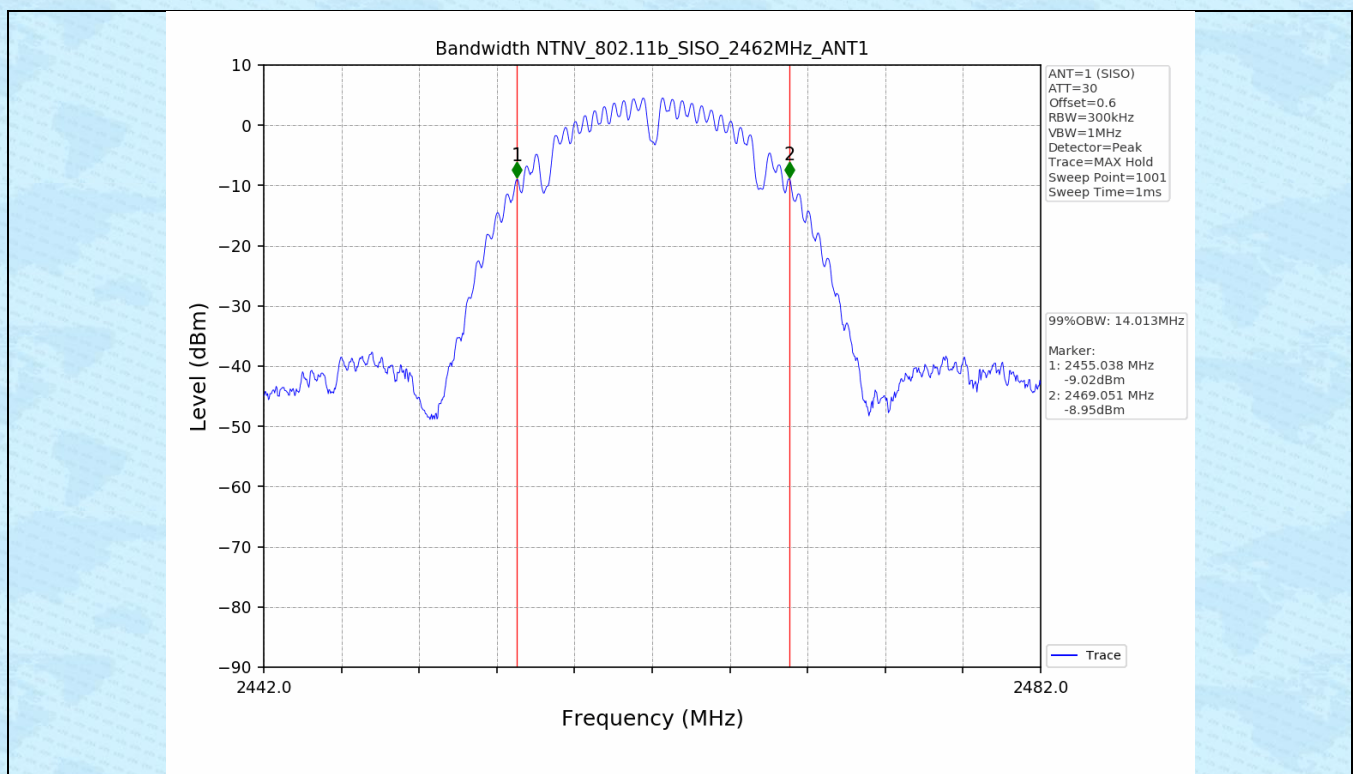
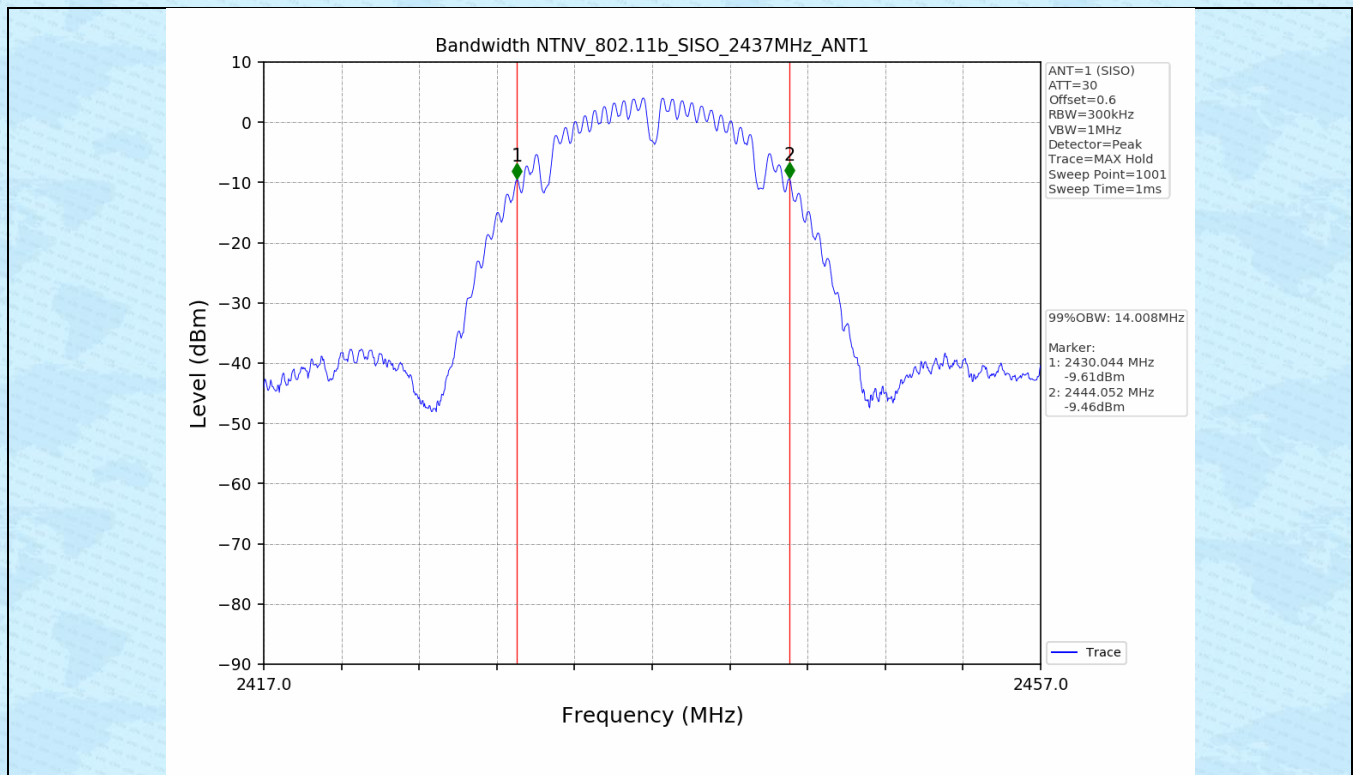


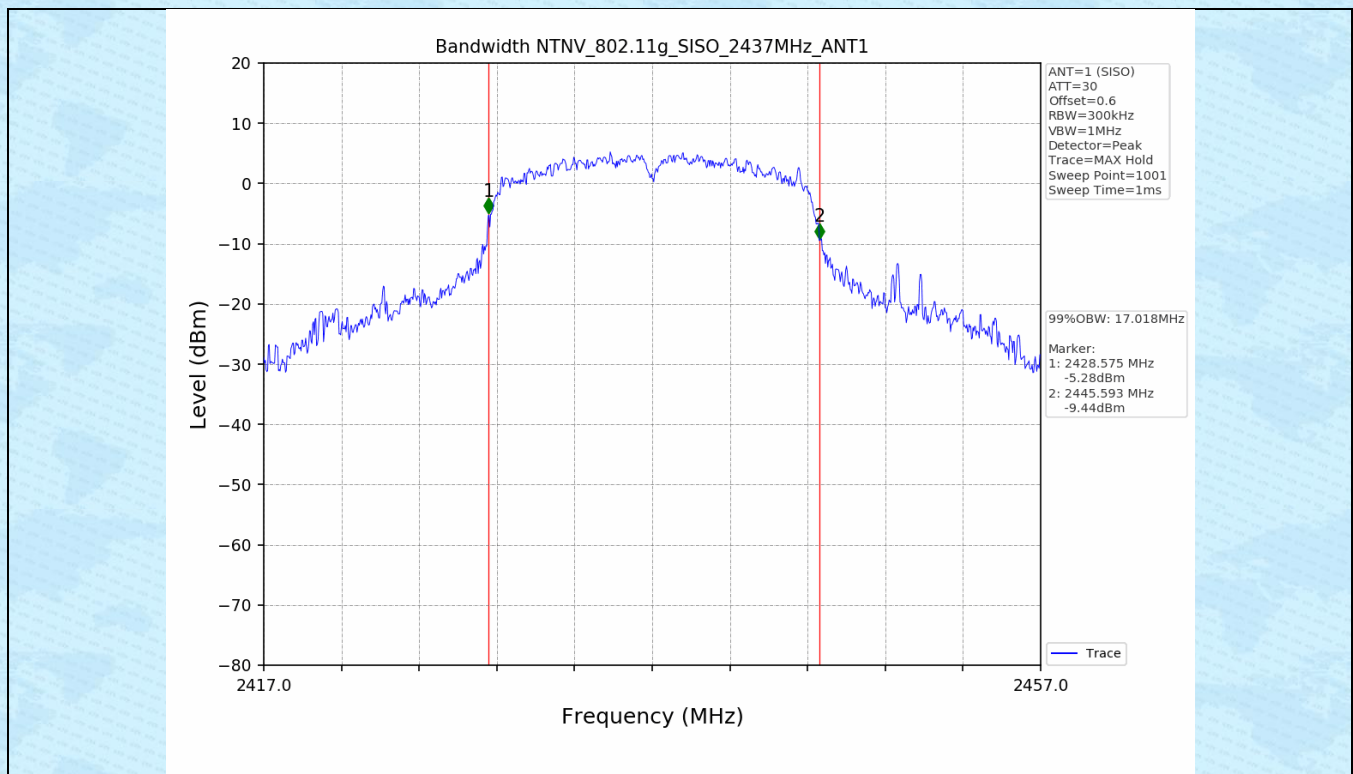
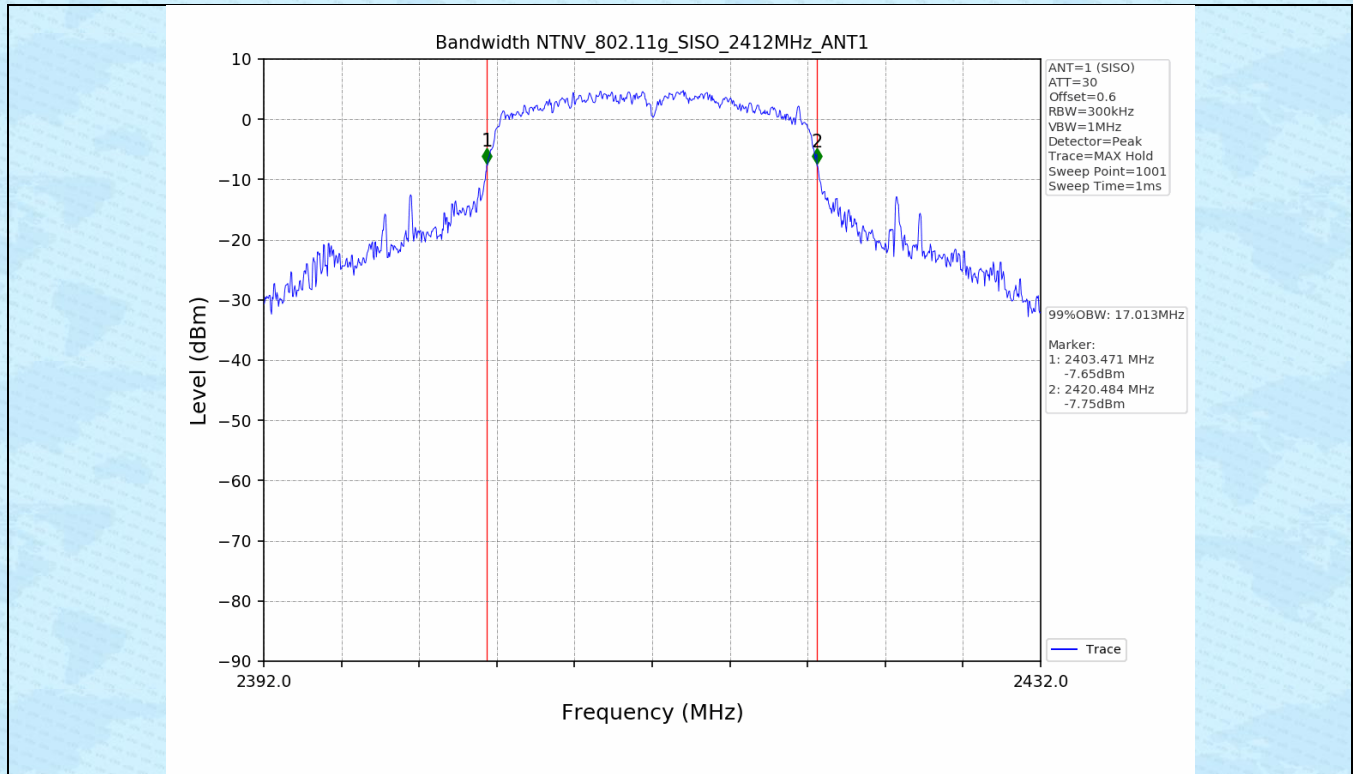


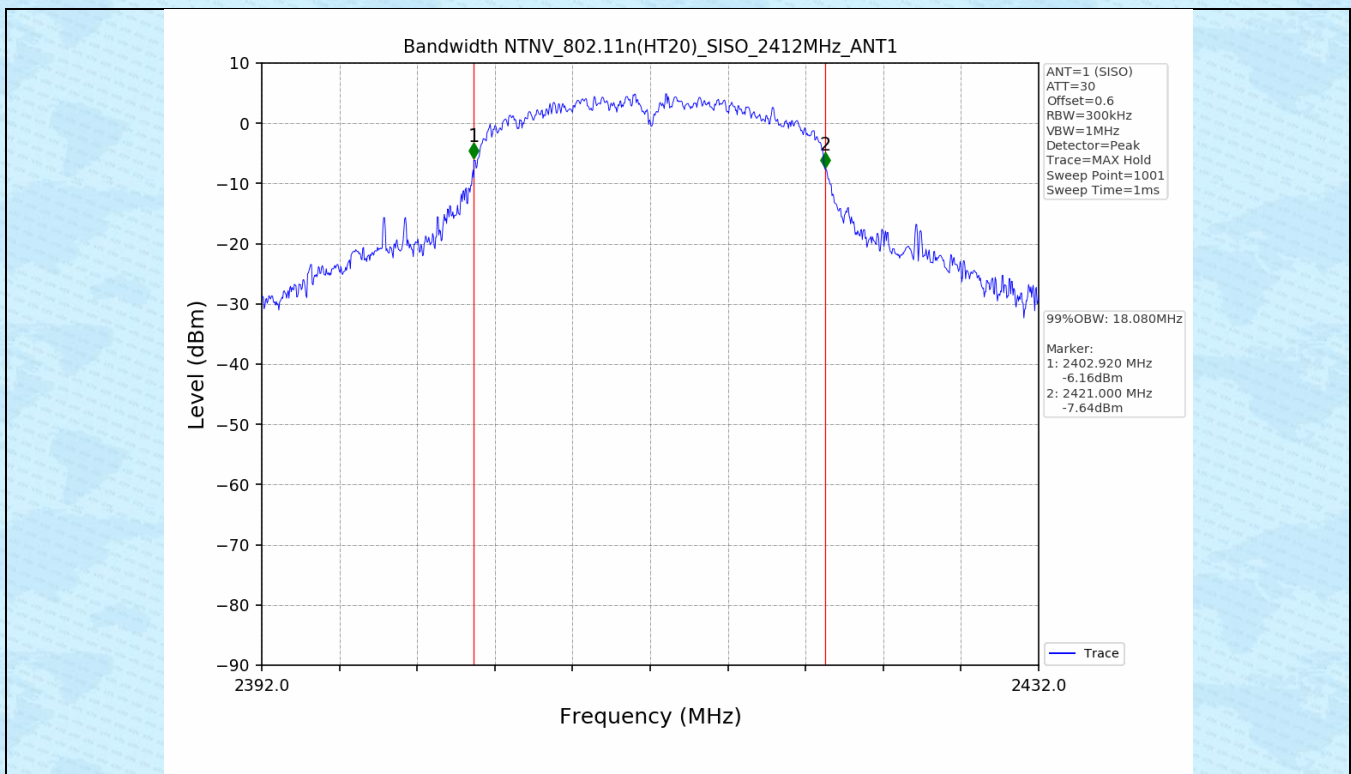
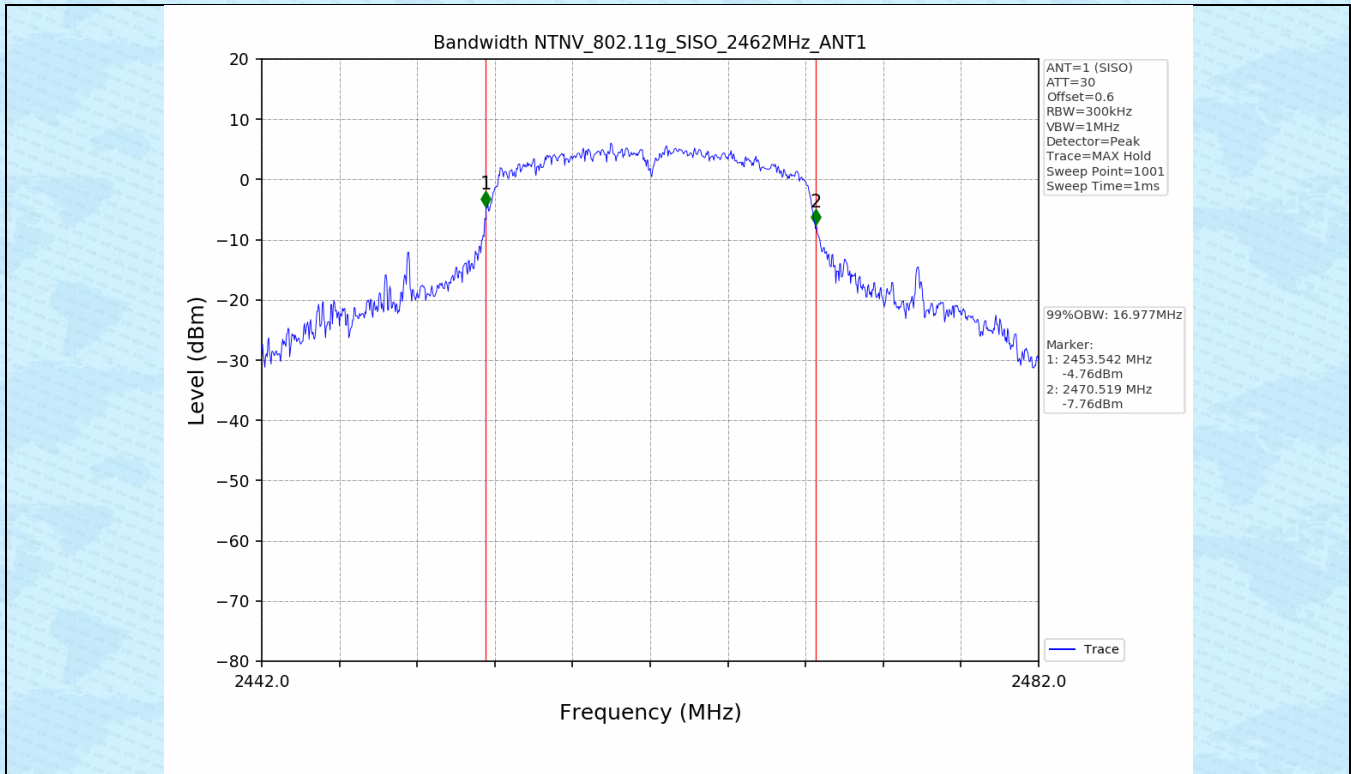


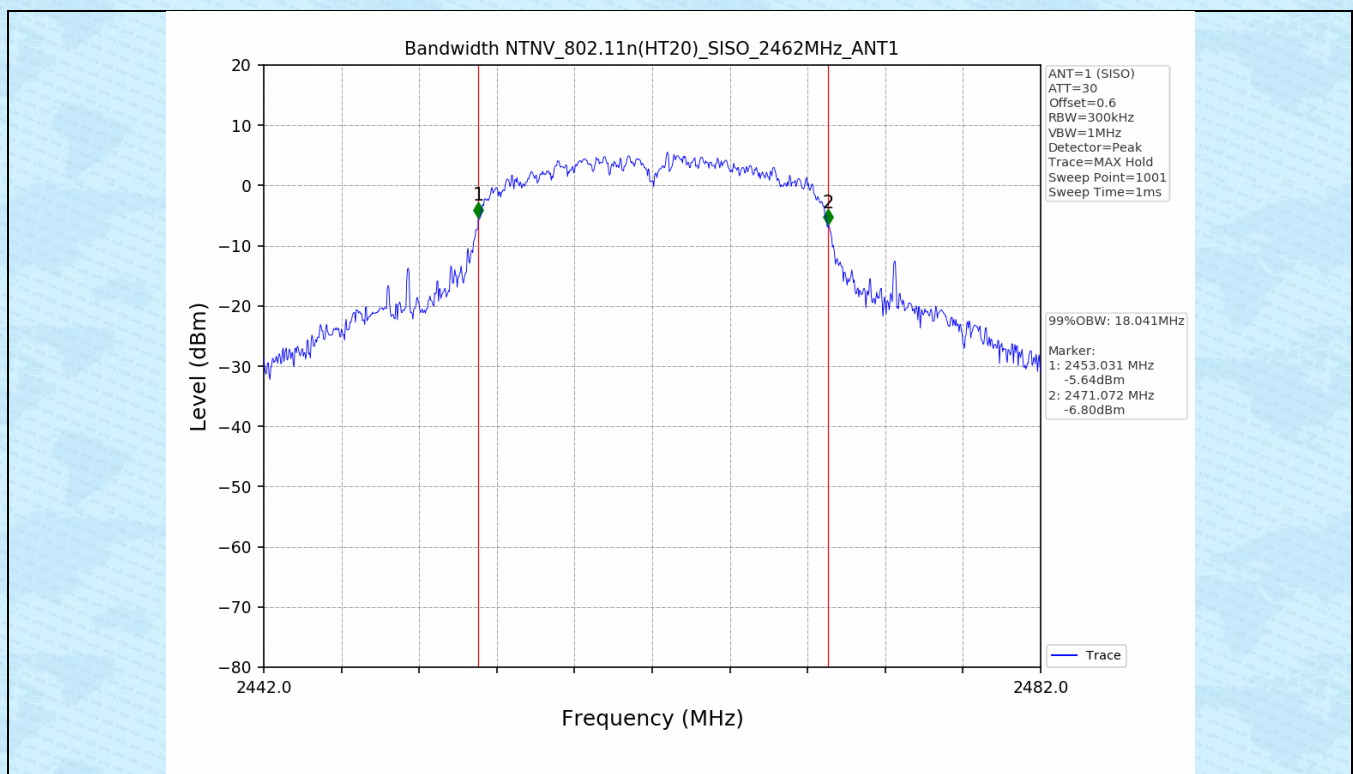
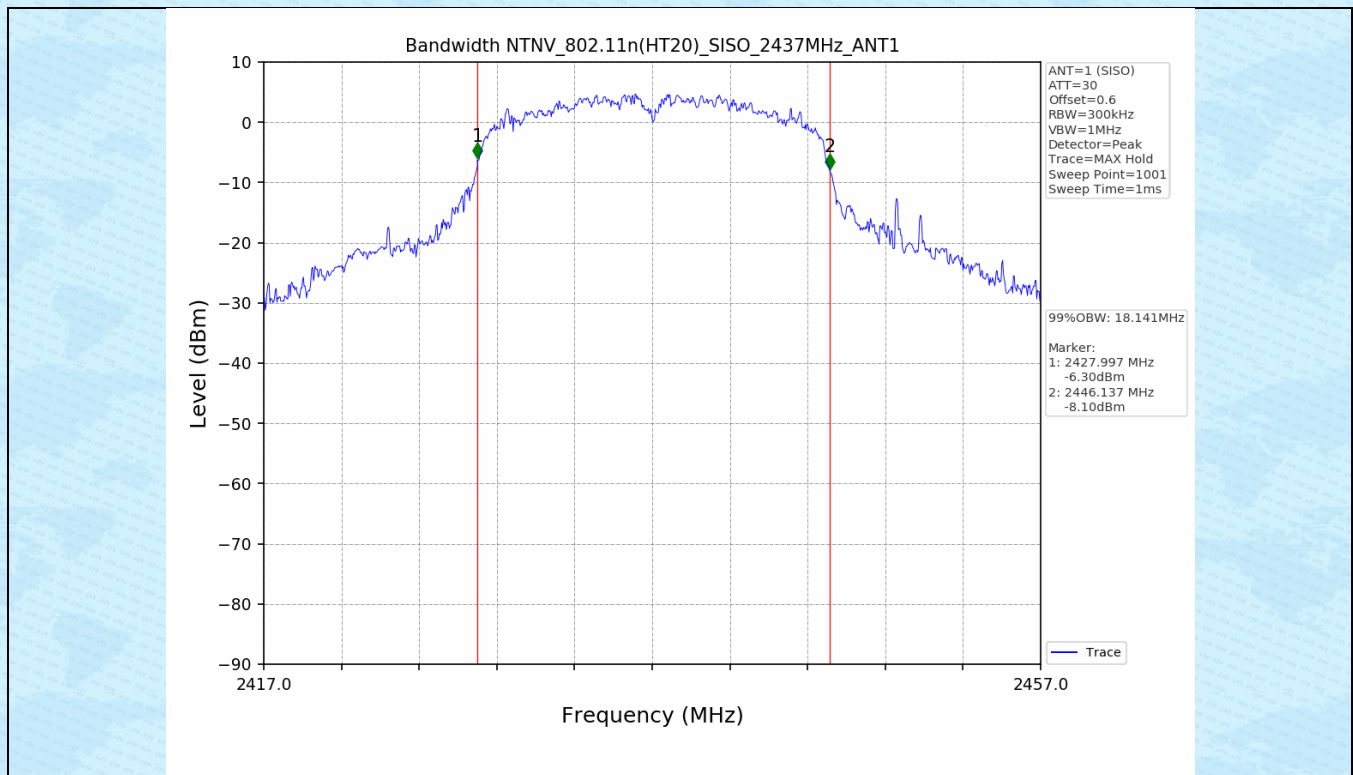
### 2.3 Test Graph - 99% Occupied Bandwidth











### 3. Maximum Output Power

#### 3.1 Test Result

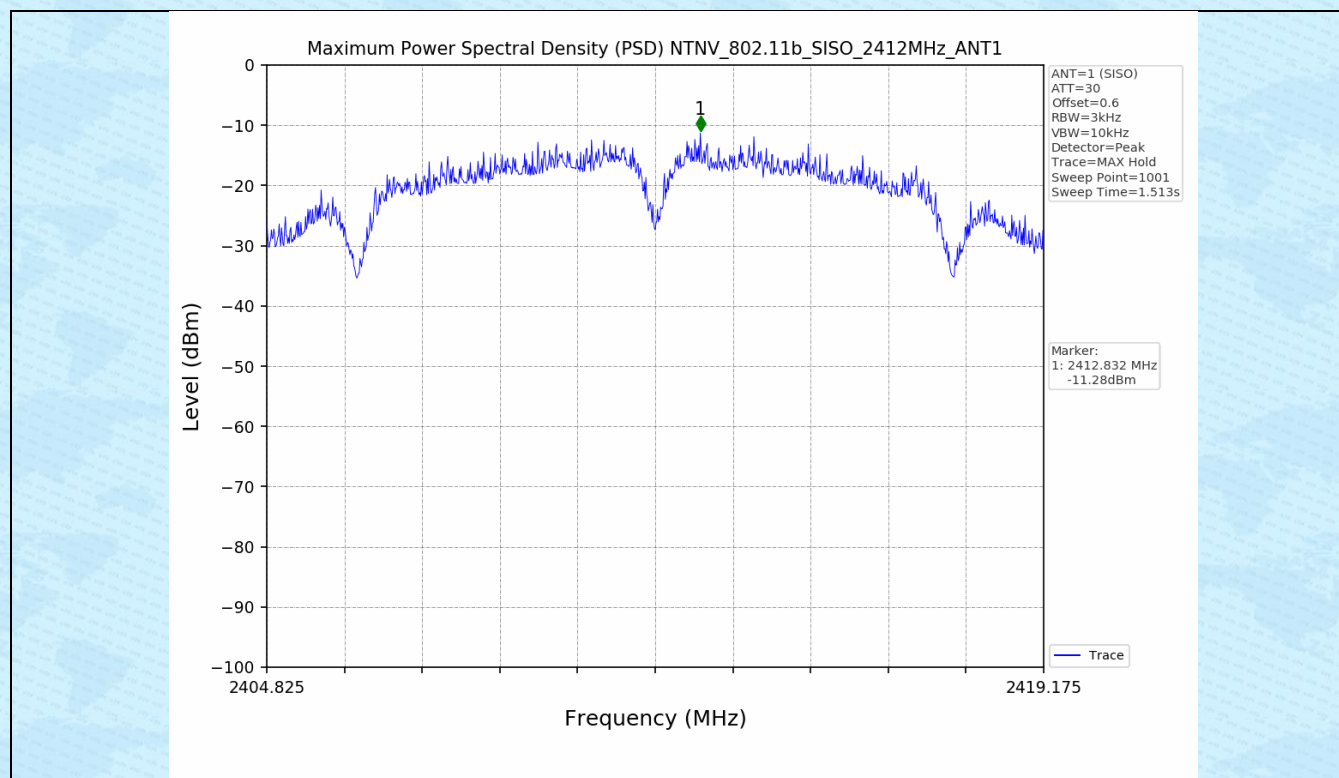
| Test Mode     | Frequency (MHz) | Tx Type | Measured Peak Output Power (dBm) | Limits (dBm) | Verdict |
|---------------|-----------------|---------|----------------------------------|--------------|---------|
|               |                 |         | Ant 1                            |              |         |
| 802.11b       | 2412            | SISO    | 15.28                            | 30           | PASS    |
|               | 2437            | SISO    | 15.88                            | 30           | PASS    |
|               | 2462            | SISO    | 15.33                            | 30           | PASS    |
| 802.11g       | 2412            | SISO    | 15.38                            | 30           | PASS    |
|               | 2437            | SISO    | 15.49                            | 30           | PASS    |
|               | 2462            | SISO    | 14.96                            | 30           | PASS    |
| 802.11n(HT20) | 2412            | SISO    | 15.06                            | 30           | PASS    |
|               | 2437            | SISO    | 15.13                            | 30           | PASS    |
|               | 2462            | SISO    | 15.55                            | 30           | PASS    |

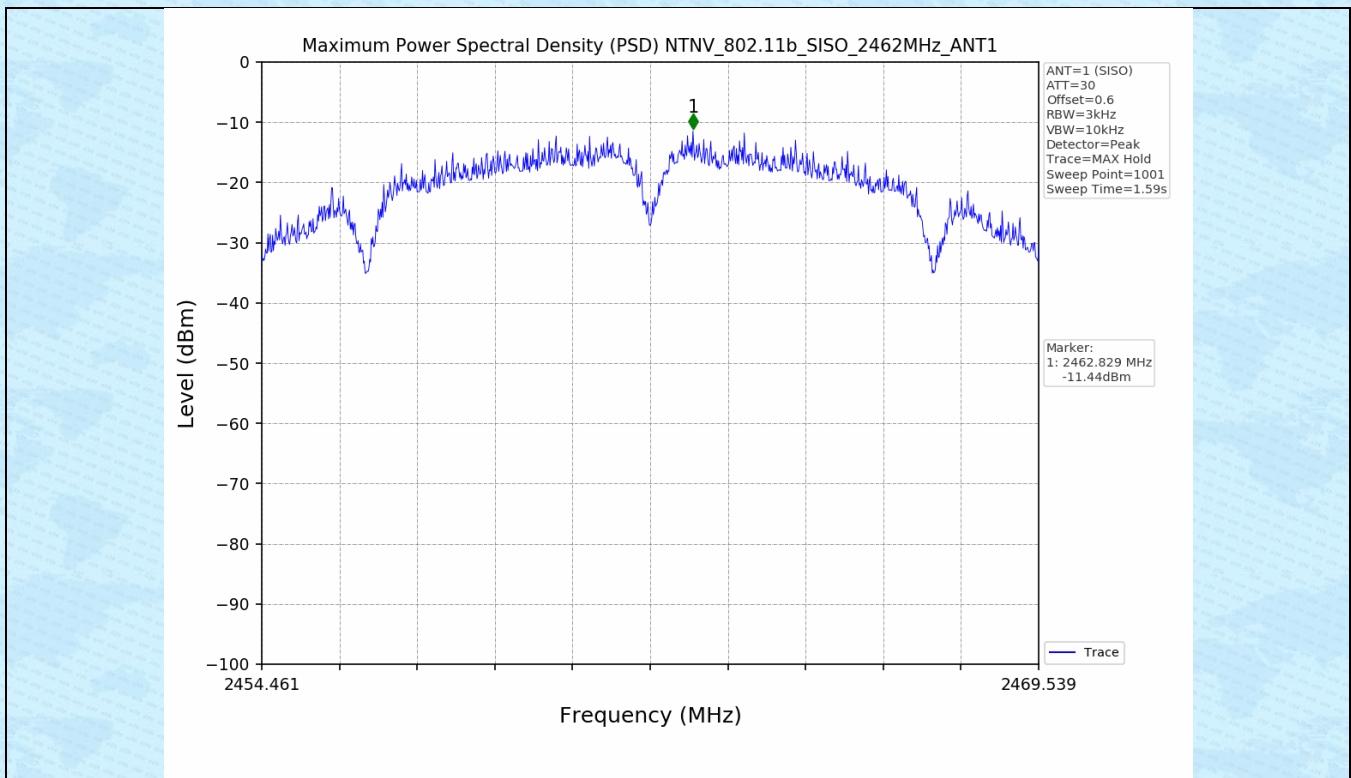
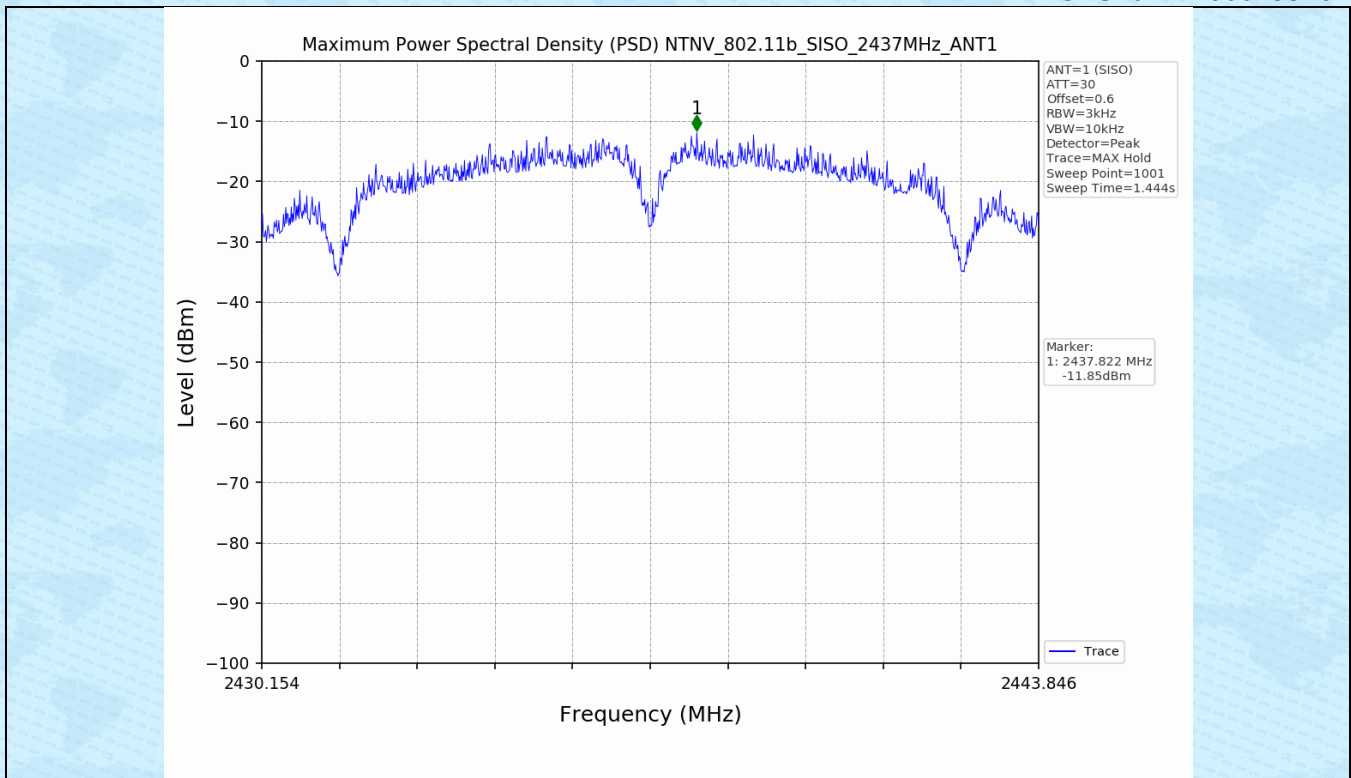
## 4. Maximum Power Spectral Density (PSD)

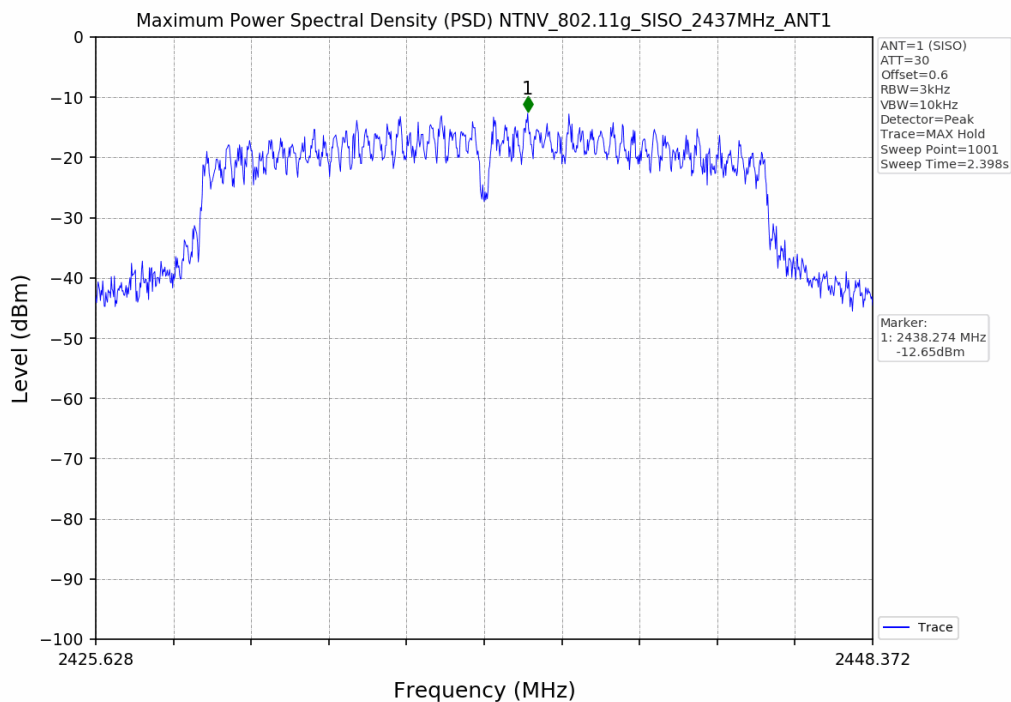
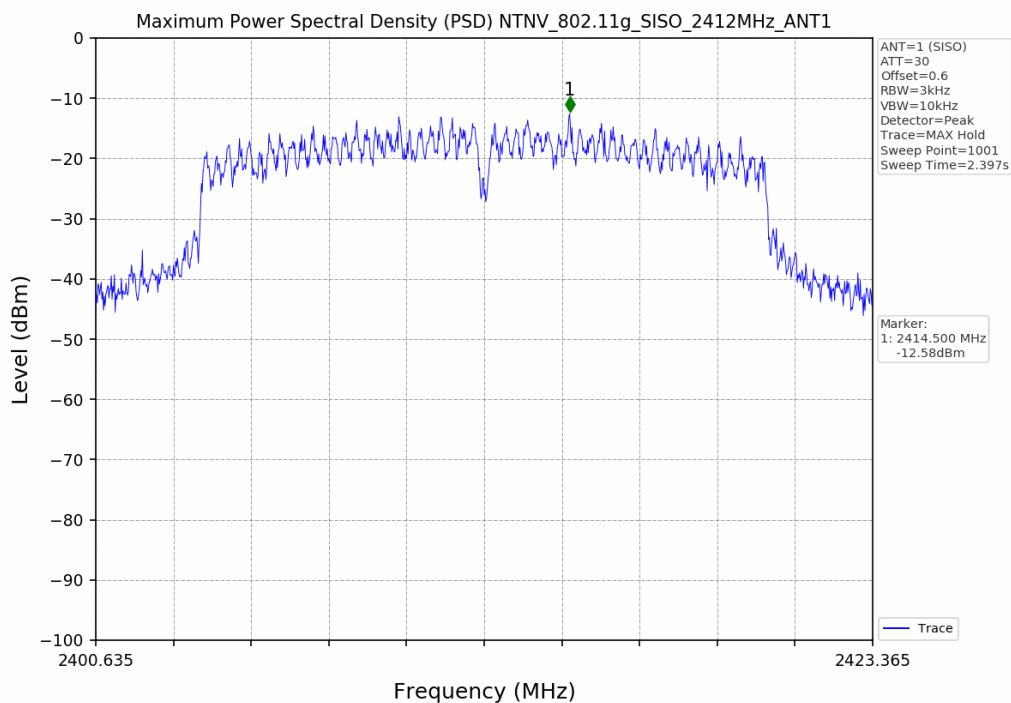
### 4.1 Test Result

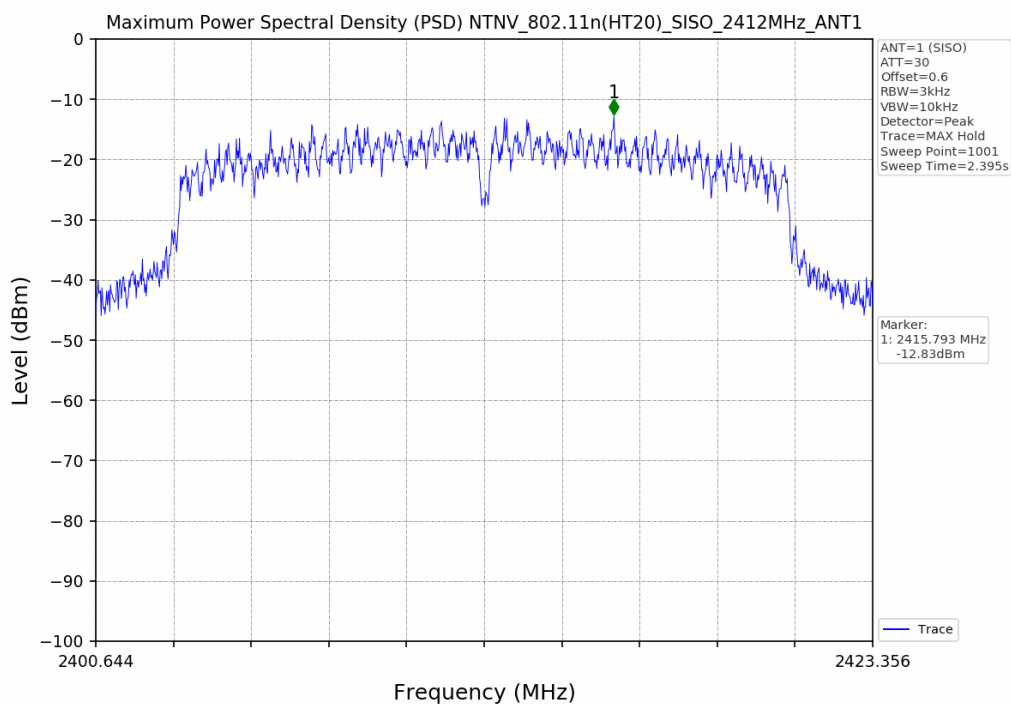
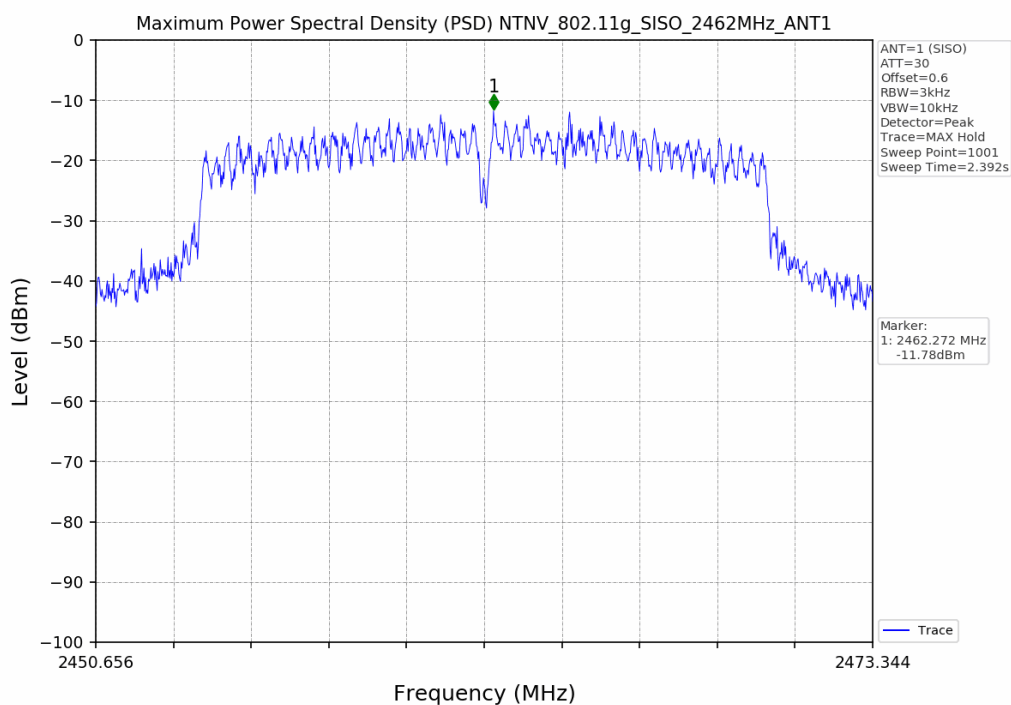
| Test Mode     | Frequency (MHz) | Tx Type | Maximum Power Spectral Density (dBm/3KHz) | Limits (dBm/3KHz) | Verdict |
|---------------|-----------------|---------|-------------------------------------------|-------------------|---------|
|               |                 |         | Ant 1                                     |                   |         |
| 802.11b       | 2412            | SISO    | -11.28                                    | ≤8                | PASS    |
|               | 2437            | SISO    | -11.85                                    | ≤8                | PASS    |
|               | 2462            | SISO    | -11.44                                    | ≤8                | PASS    |
| 802.11g       | 2412            | SISO    | -12.58                                    | ≤8                | PASS    |
|               | 2437            | SISO    | -12.65                                    | ≤8                | PASS    |
|               | 2462            | SISO    | -11.78                                    | ≤8                | PASS    |
| 802.11n(HT20) | 2412            | SISO    | -12.83                                    | ≤8                | PASS    |
|               | 2437            | SISO    | -12.04                                    | ≤8                | PASS    |
|               | 2462            | SISO    | -11.95                                    | ≤8                | PASS    |

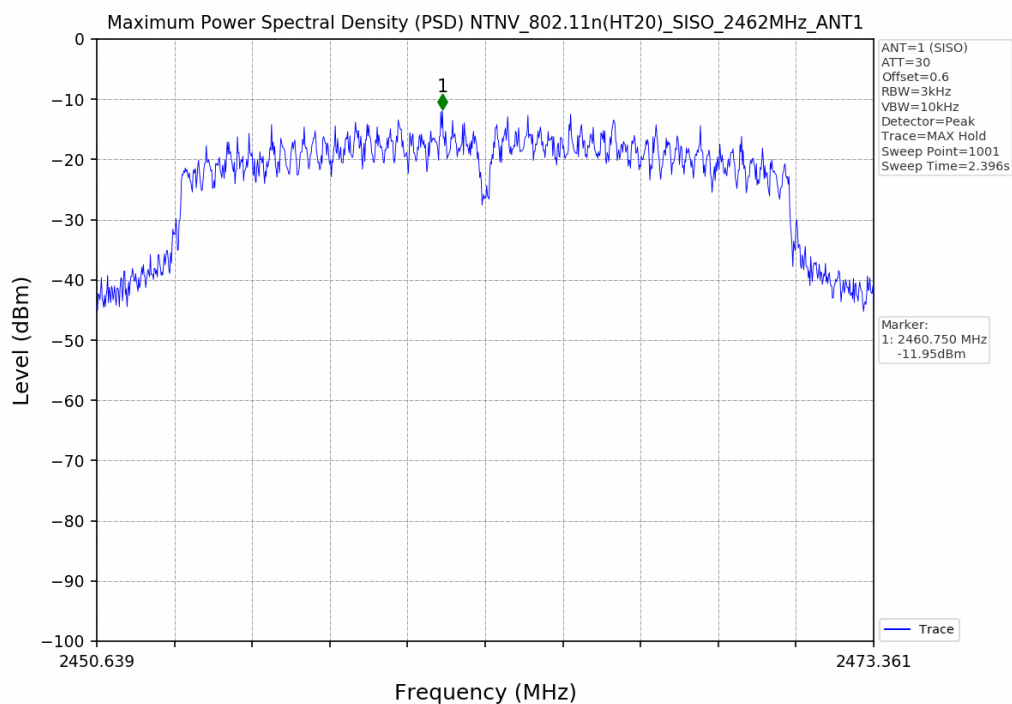
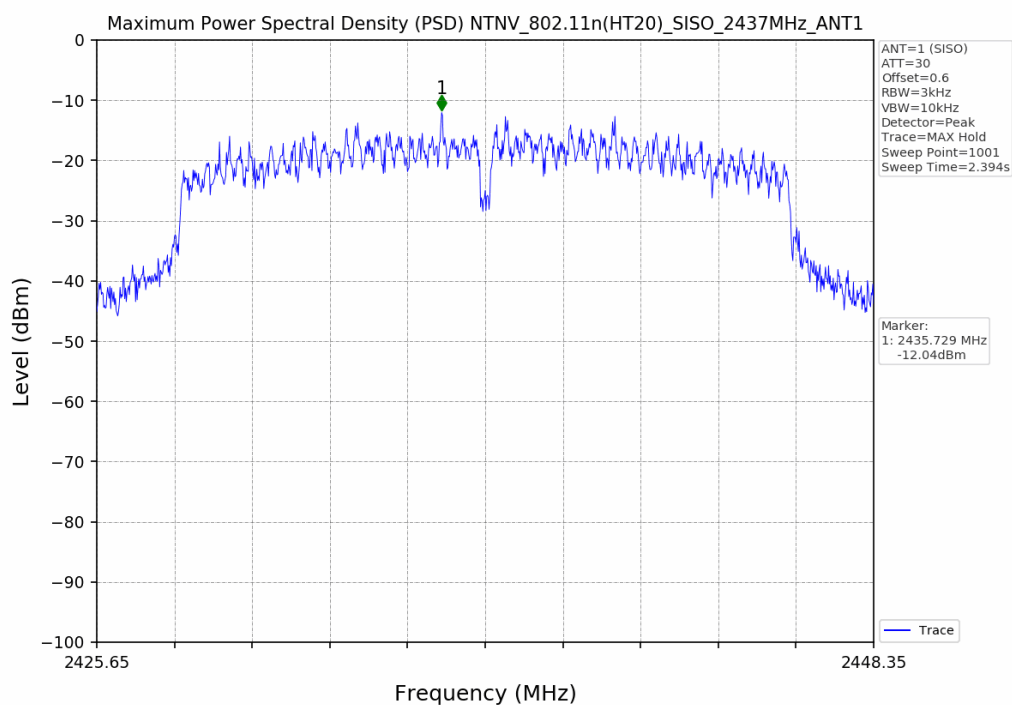
### 4.2 Test Graph









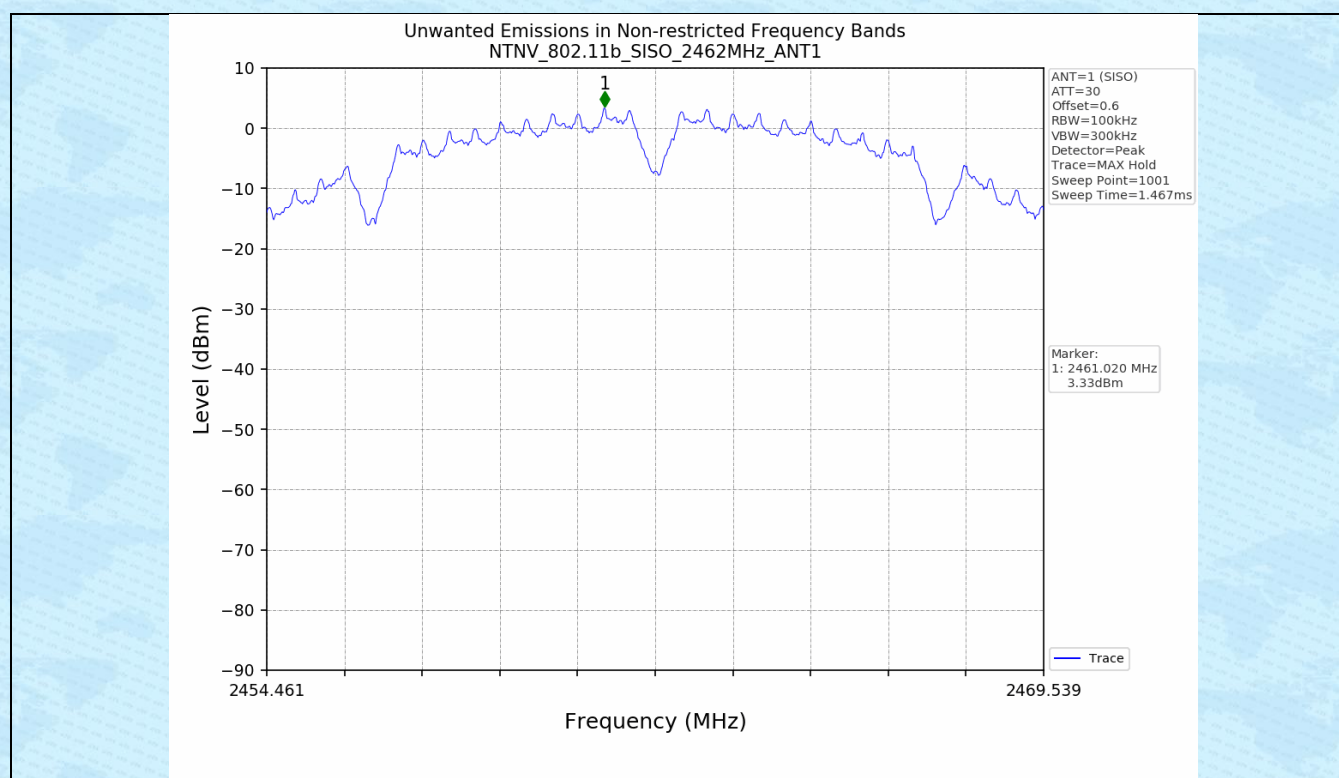


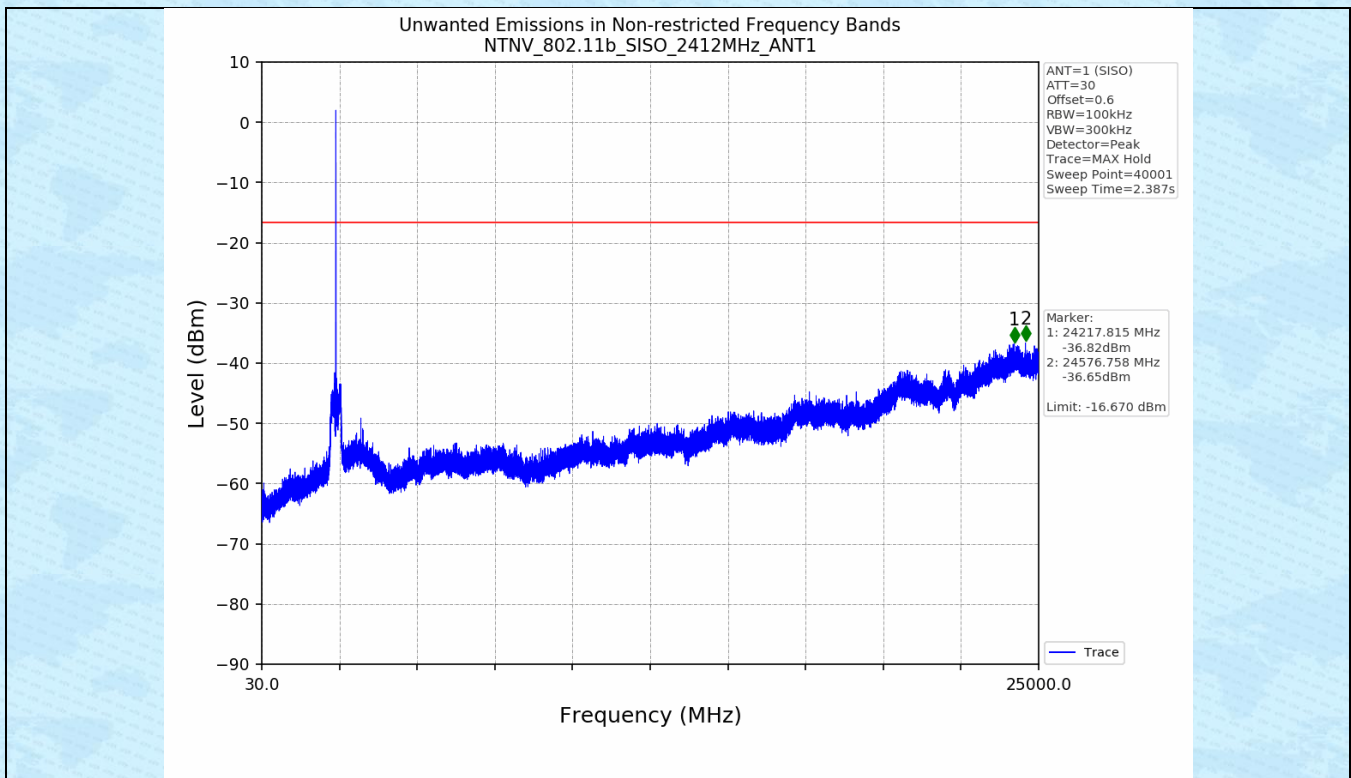
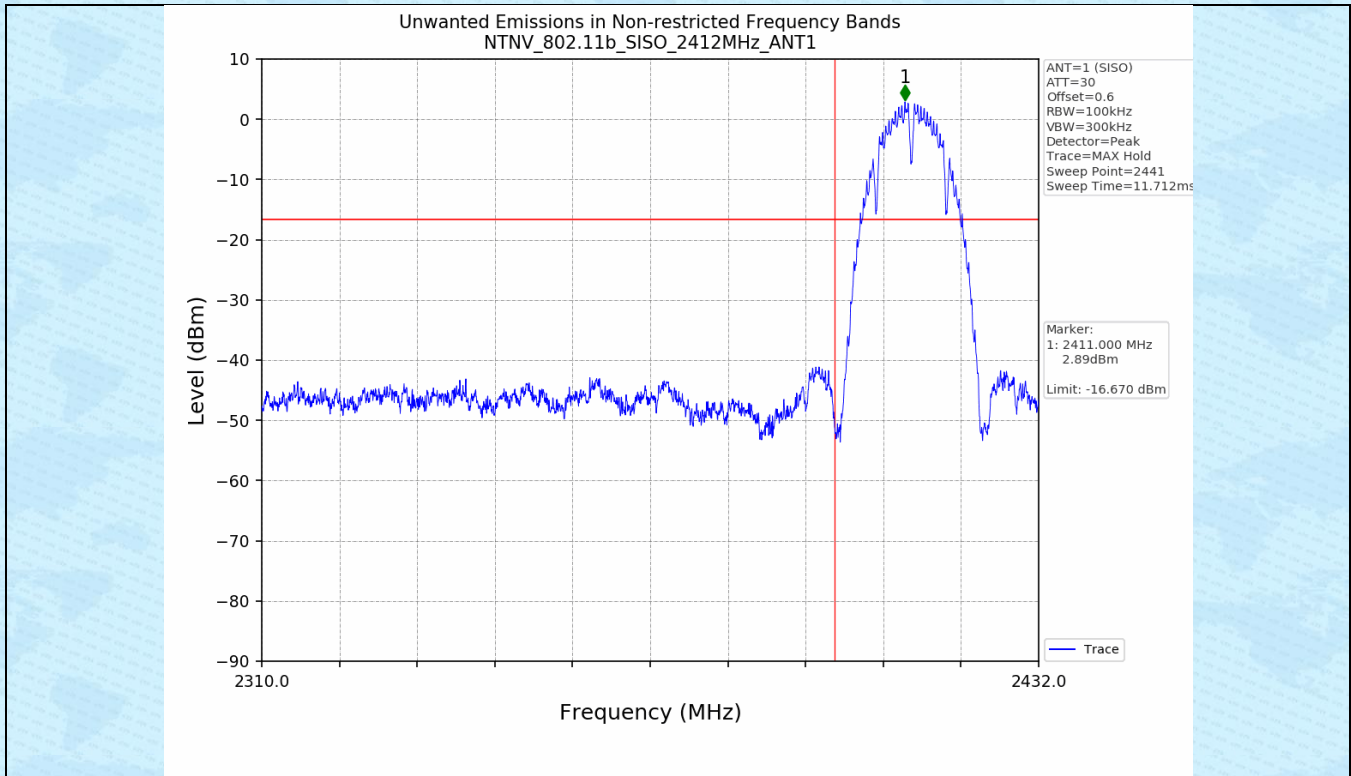
## 5. Unwanted Emissions in Non-restricted Frequency Bands

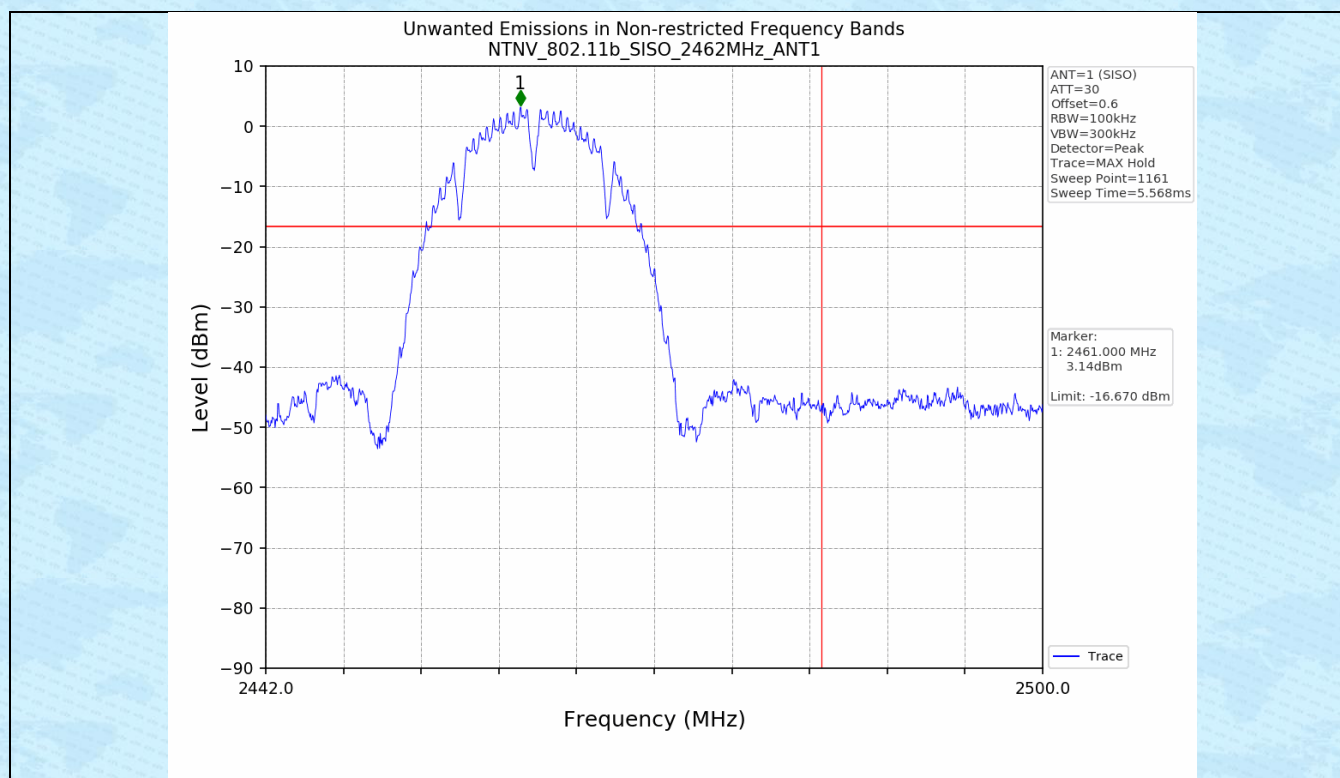
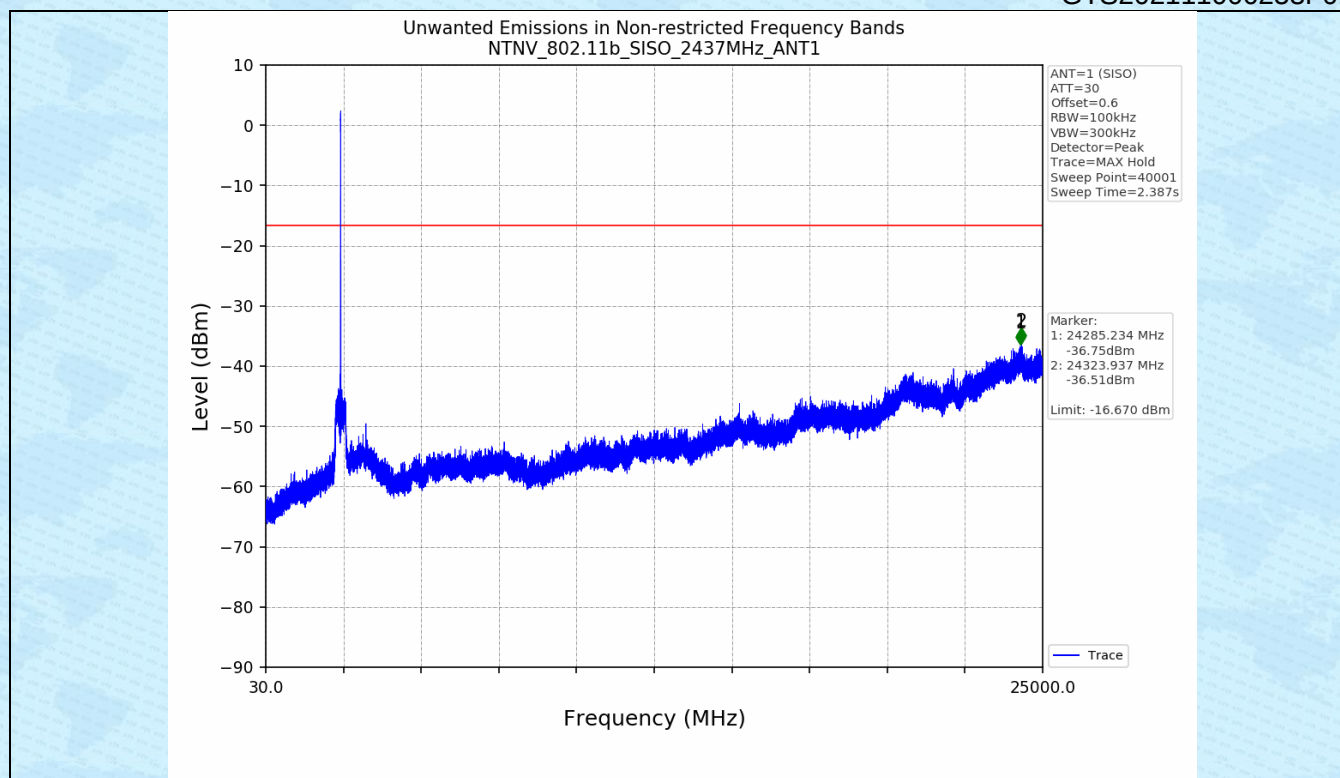
### 5.1 Test Result

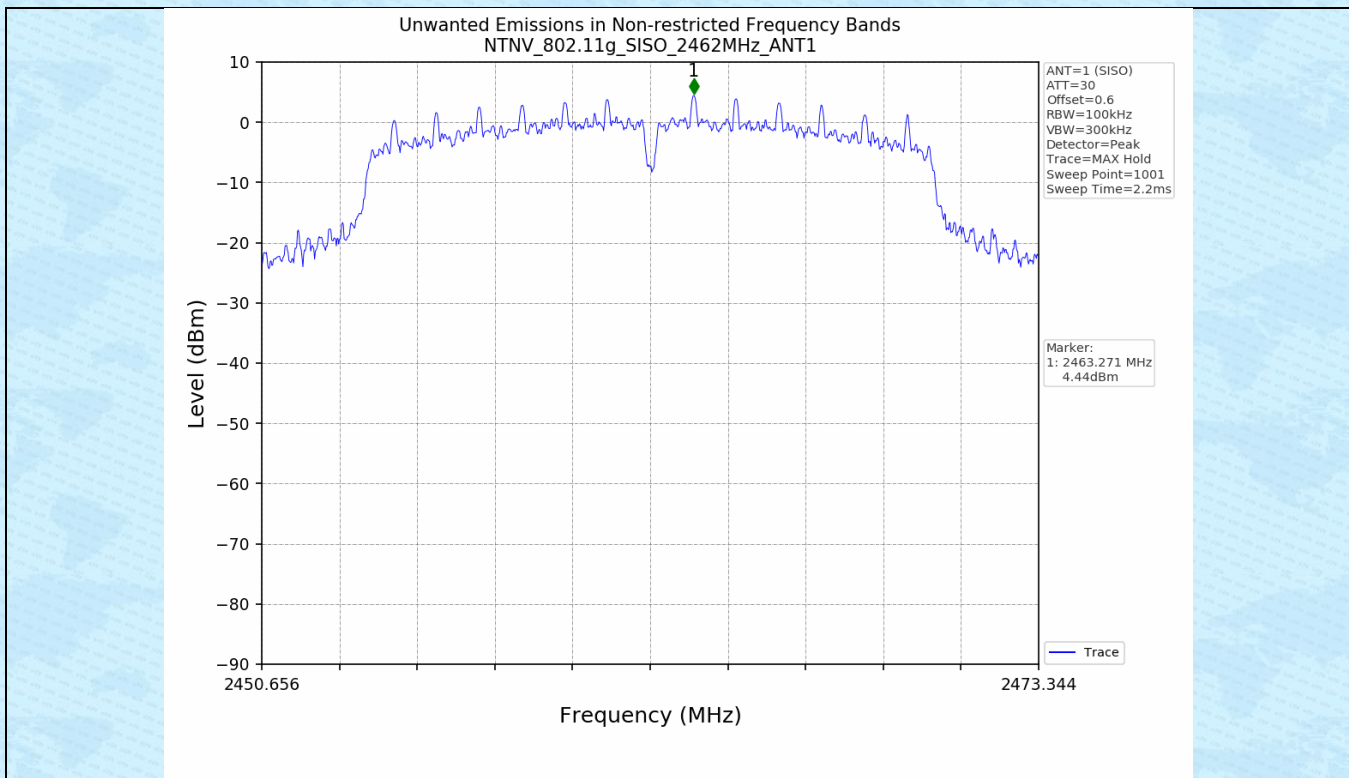
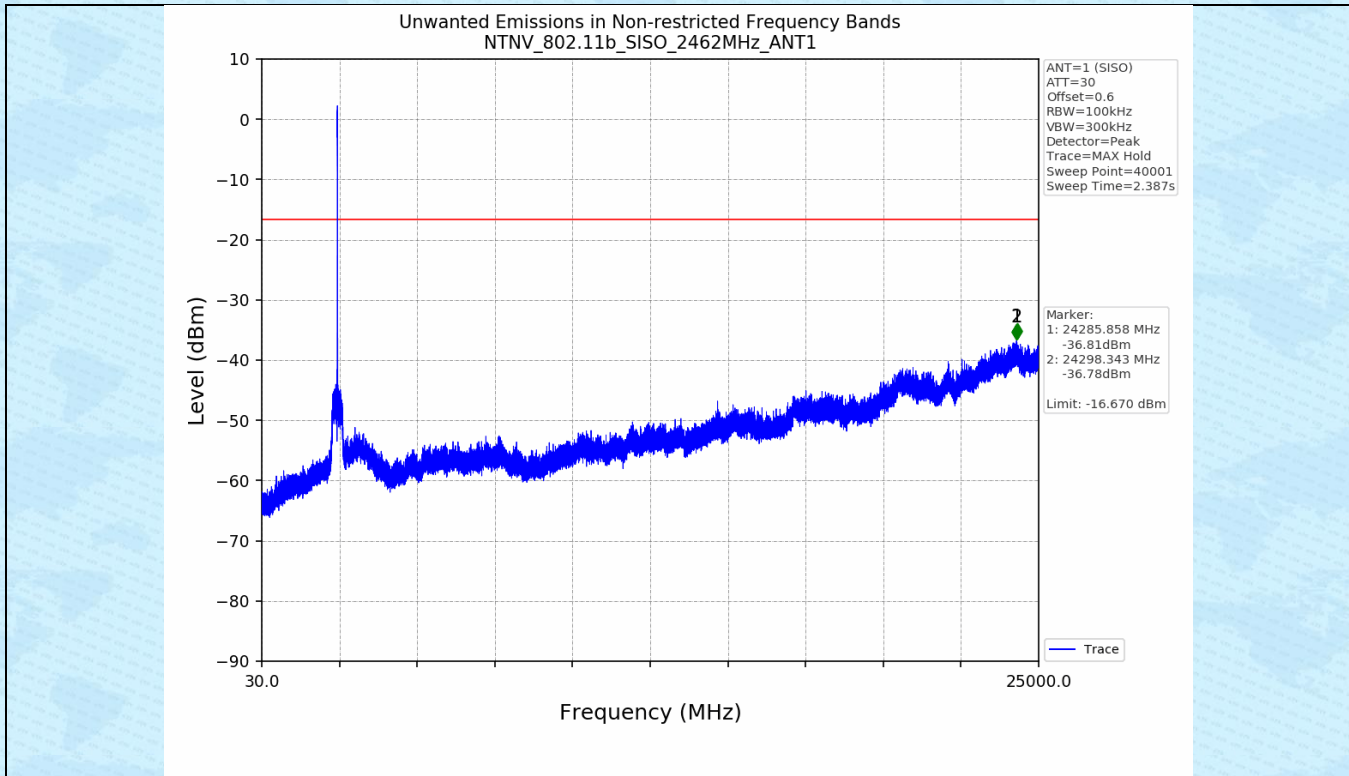
| Test Mode     | Frequency (MHz) | TX Type | ANT No. | Spurious Conducted Emission (dBm) | Limits (dBm) | Verdict |
|---------------|-----------------|---------|---------|-----------------------------------|--------------|---------|
| 802.11b       | 2412            | SISO    | 1       | Refer to test graph               | -16.67       | PASS    |
|               | 2437            | SISO    | 1       | Refer to test graph               | -16.67       | PASS    |
|               | 2462            | SISO    | 1       | Refer to test graph               | -16.67       | PASS    |
| 802.11g       | 2412            | SISO    | 1       | Refer to test graph               | -15.56       | PASS    |
|               | 2437            | SISO    | 1       | Refer to test graph               | -15.56       | PASS    |
|               | 2462            | SISO    | 1       | Refer to test graph               | -15.56       | PASS    |
| 802.11n(HT20) | 2412            | SISO    | 1       | Refer to test graph               | -15.86       | PASS    |
|               | 2437            | SISO    | 1       | Refer to test graph               | -15.86       | PASS    |
|               | 2462            | SISO    | 1       | Refer to test graph               | -15.86       | PASS    |

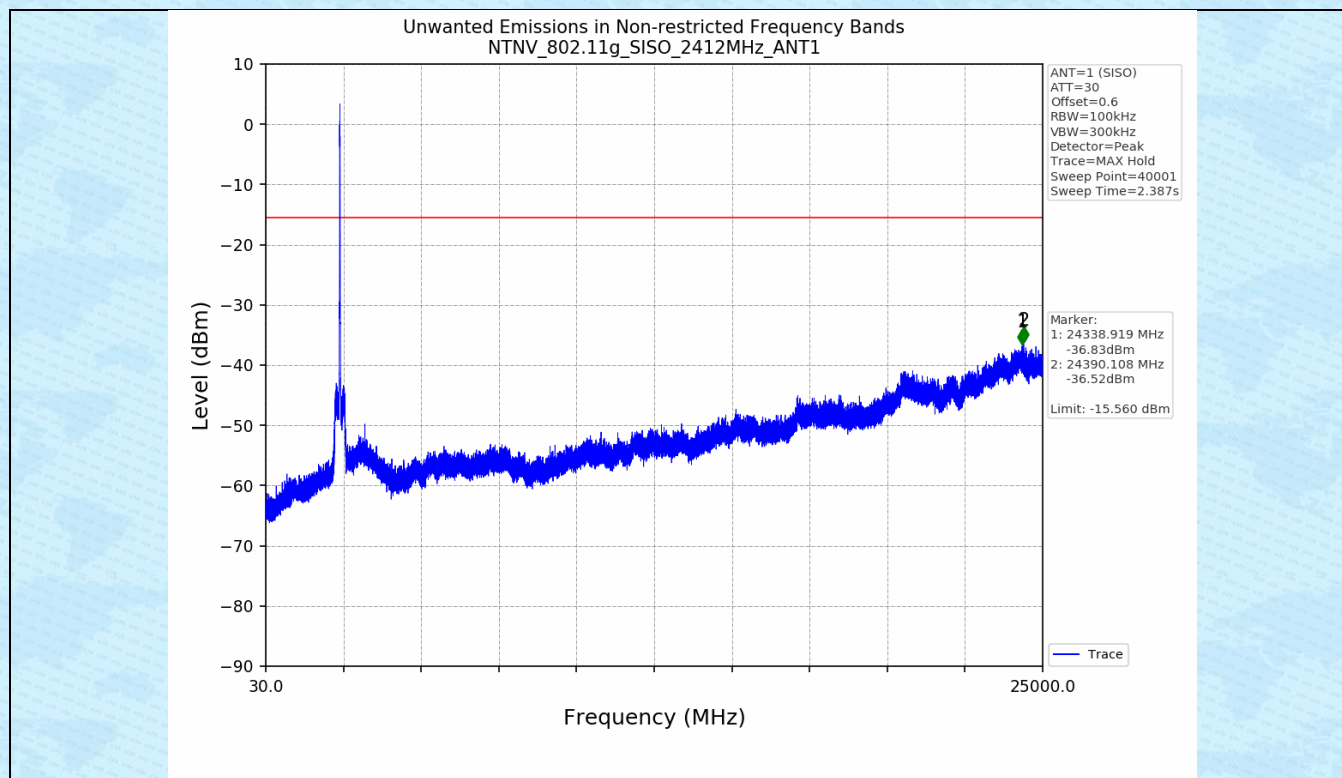
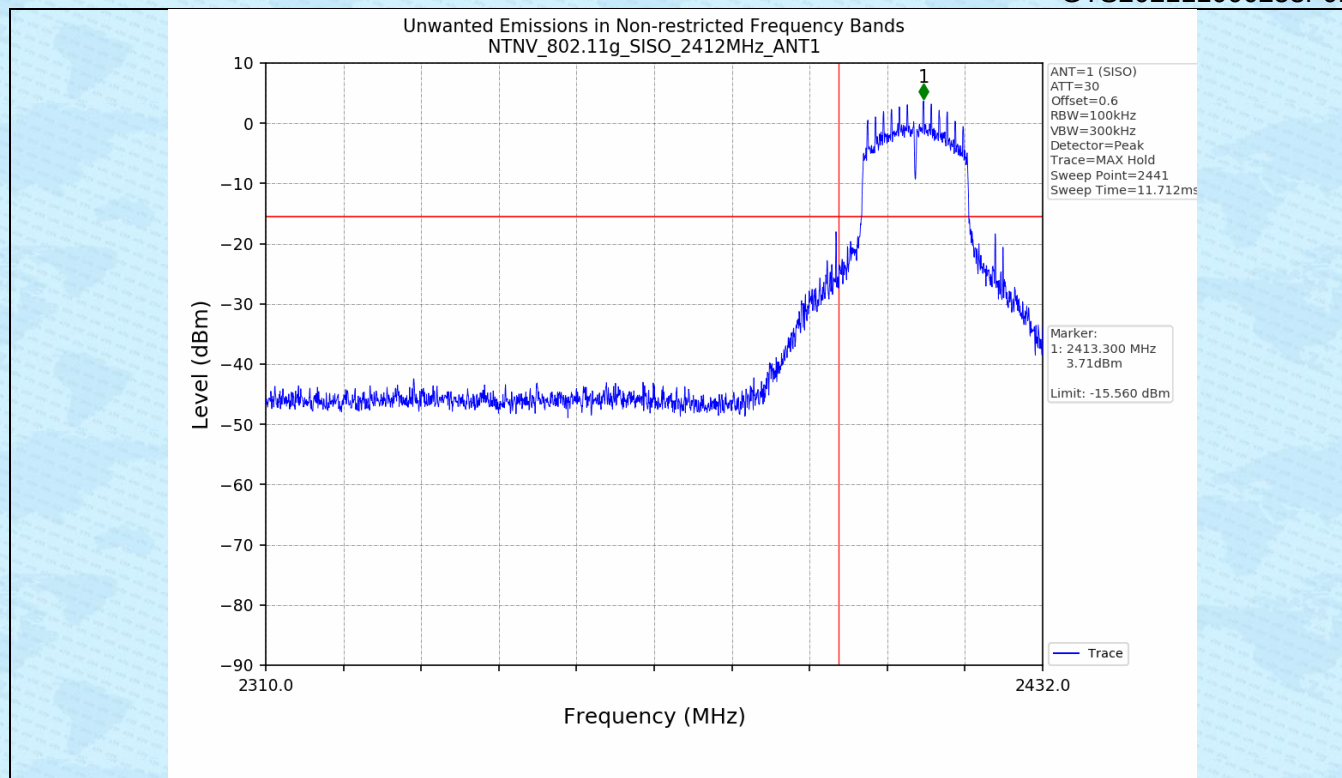
### 5.2 Test Graph

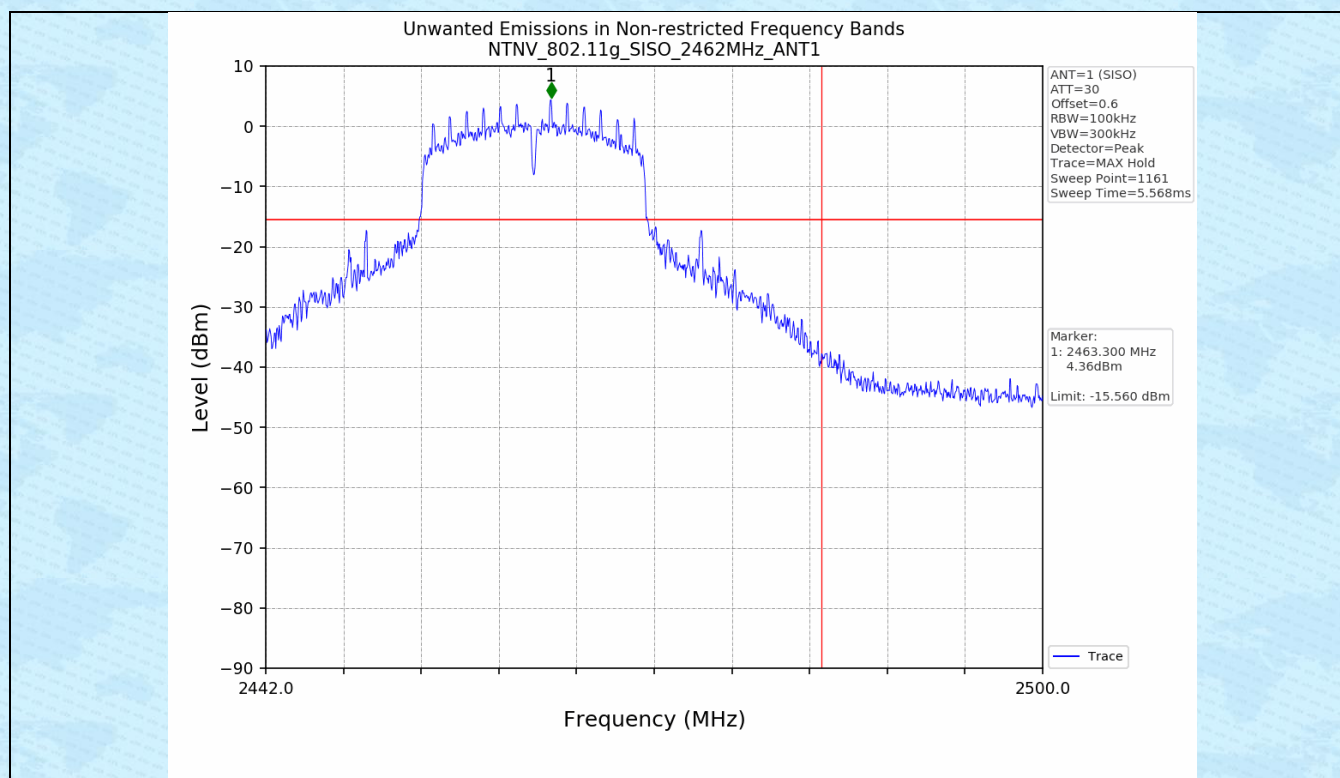
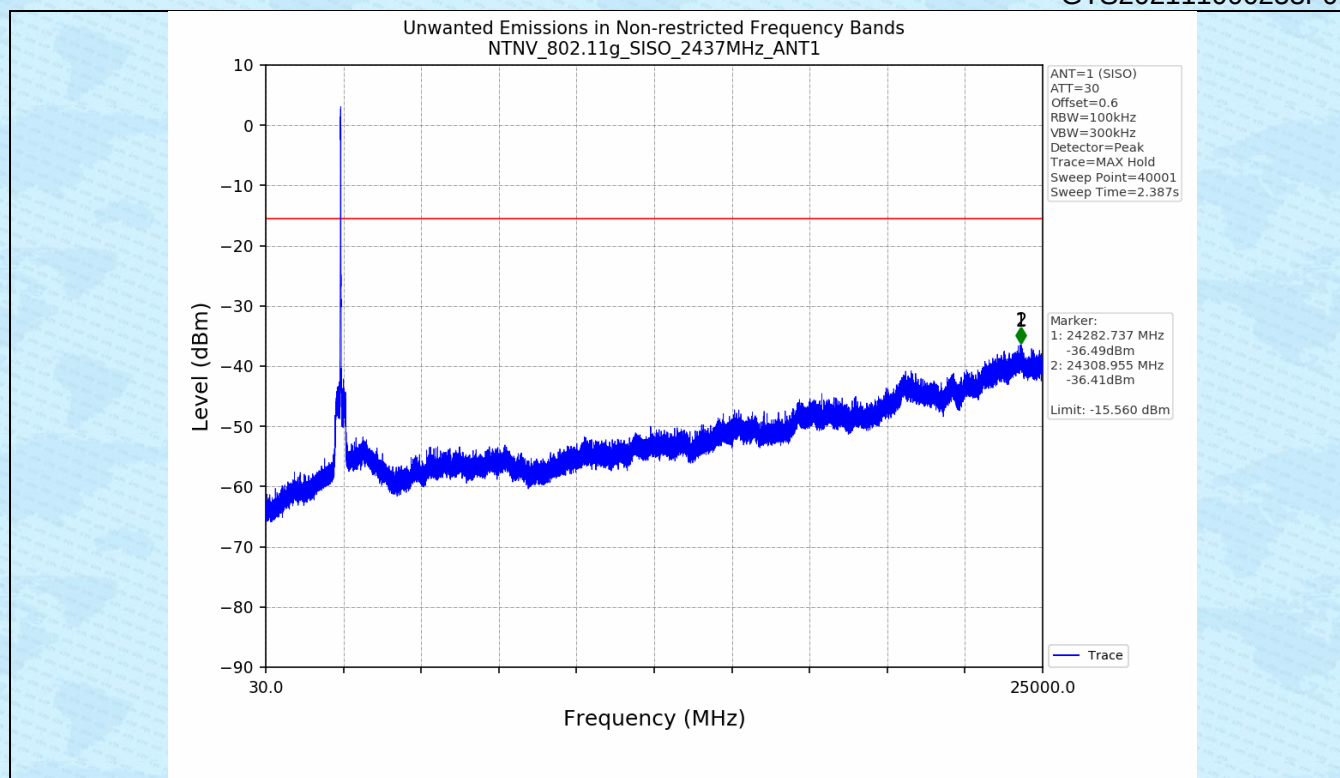


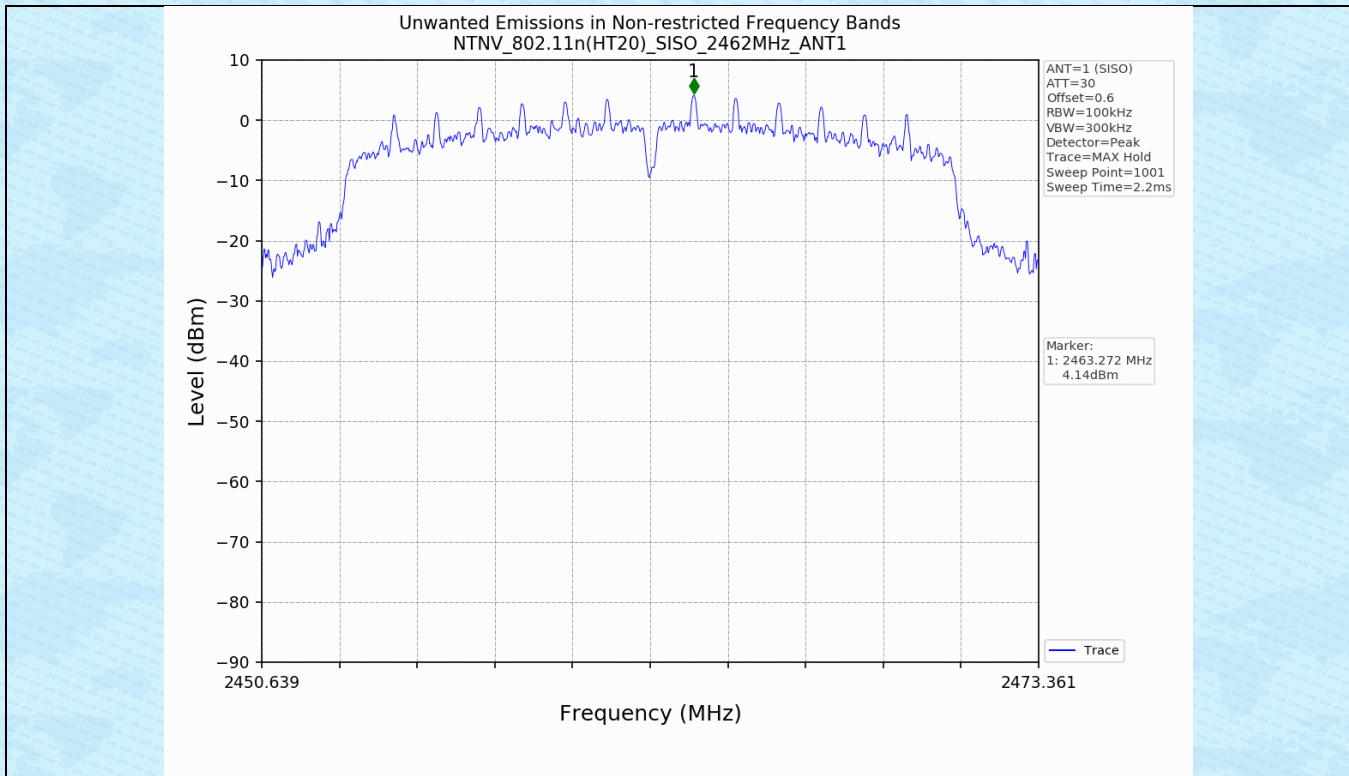
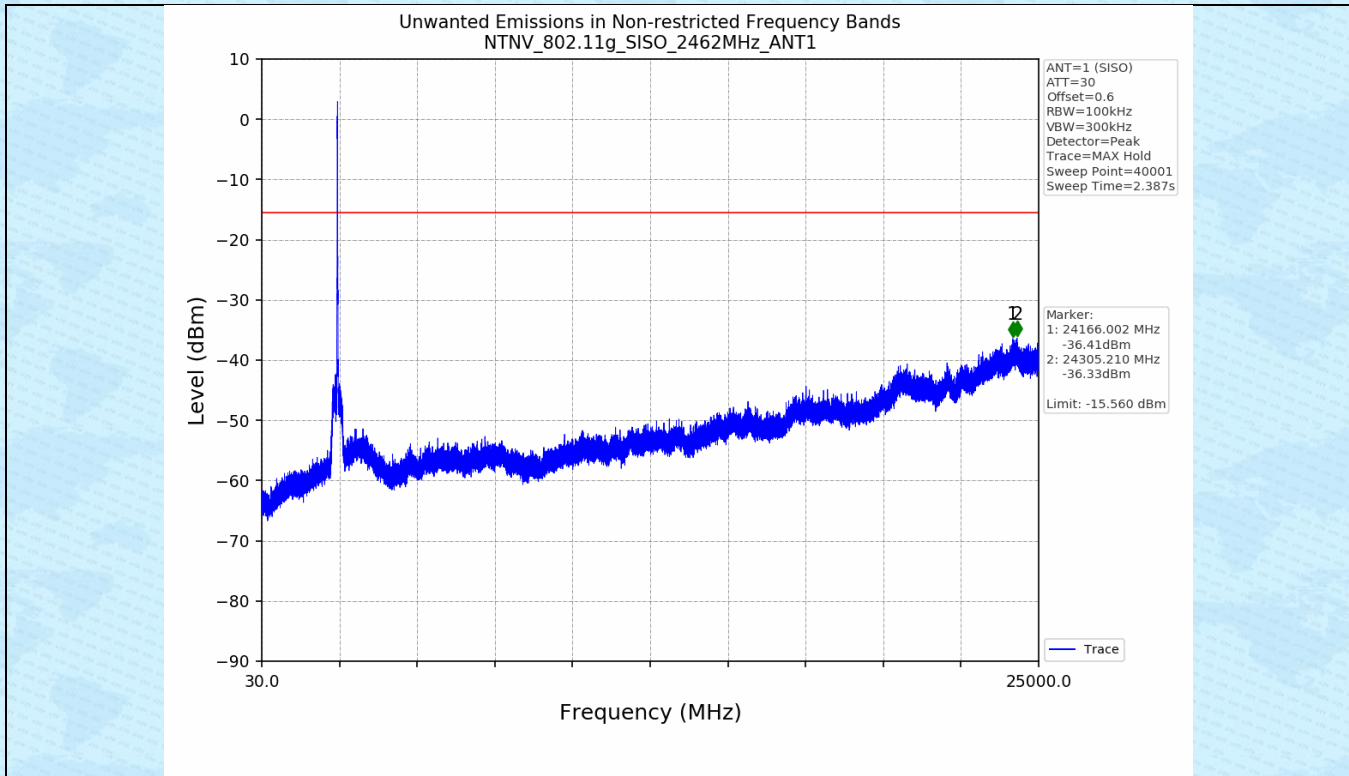


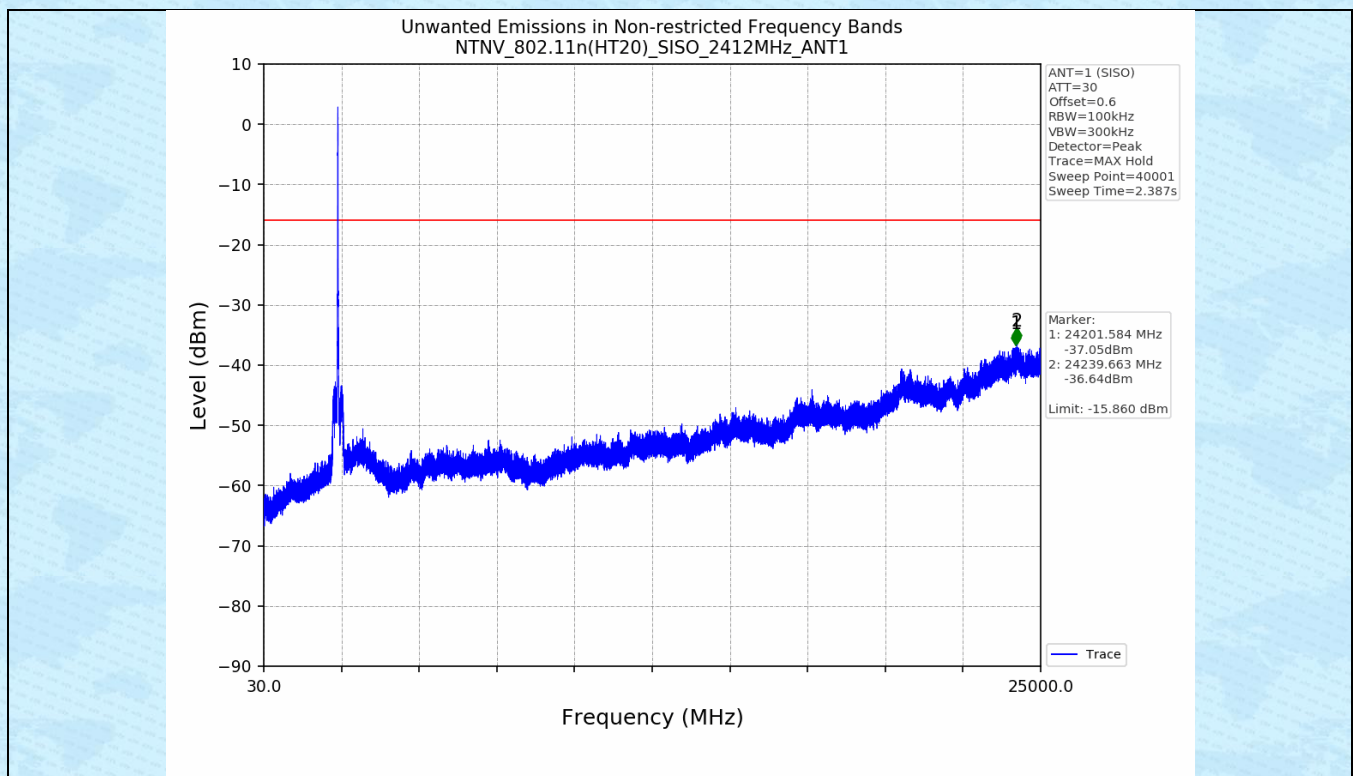
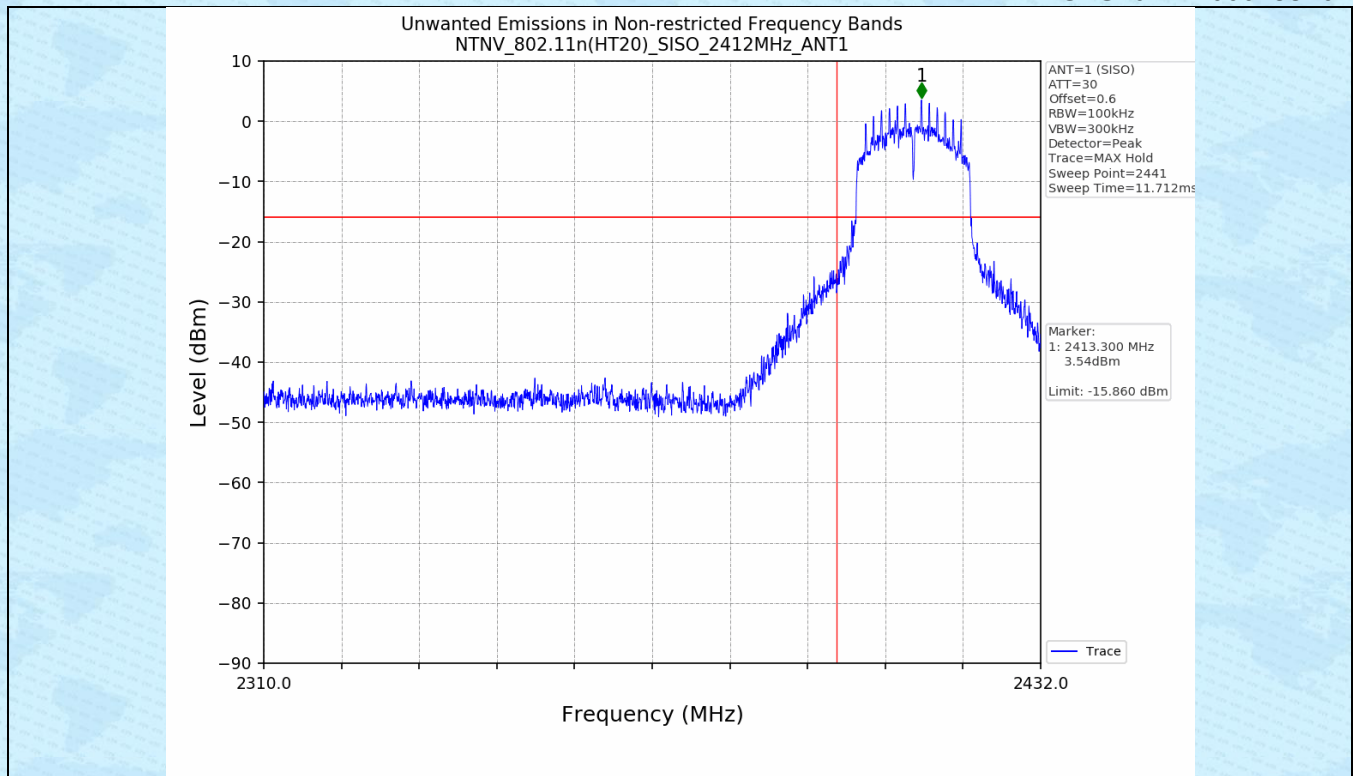


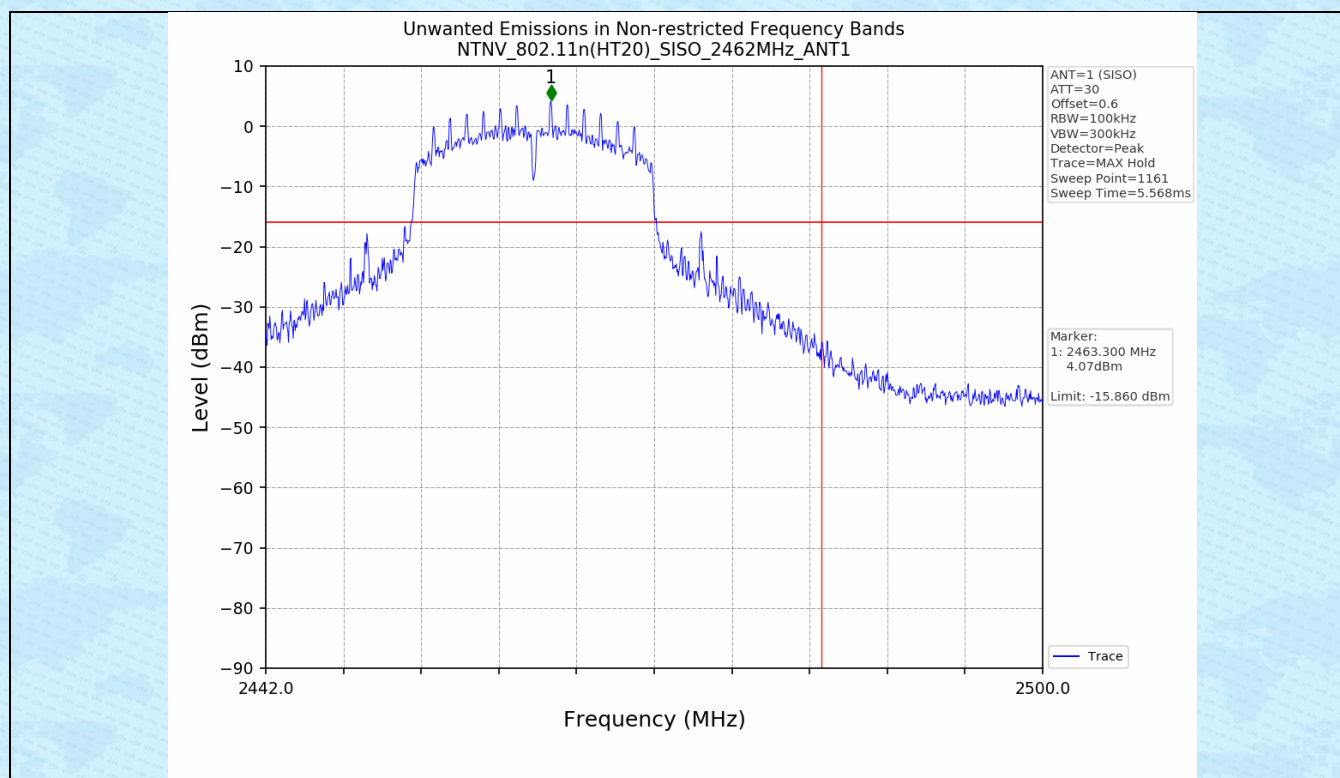
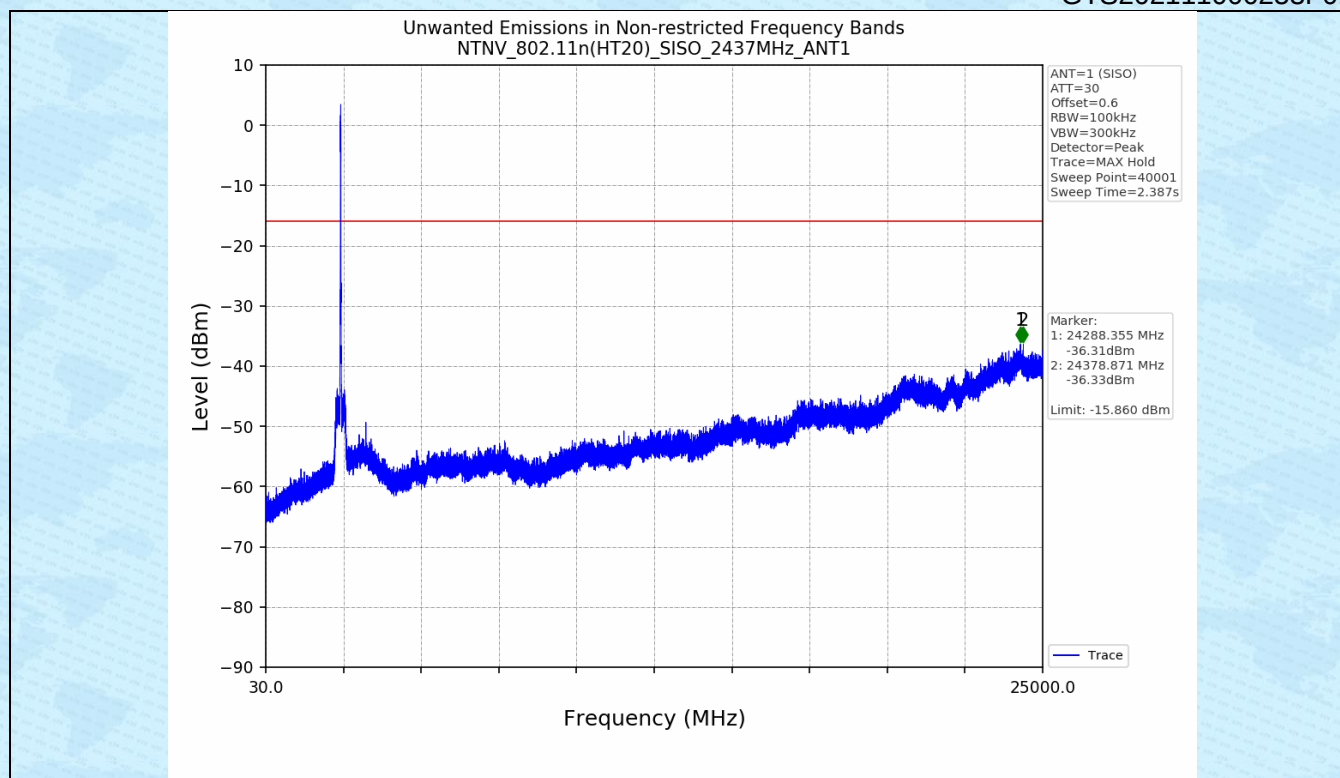


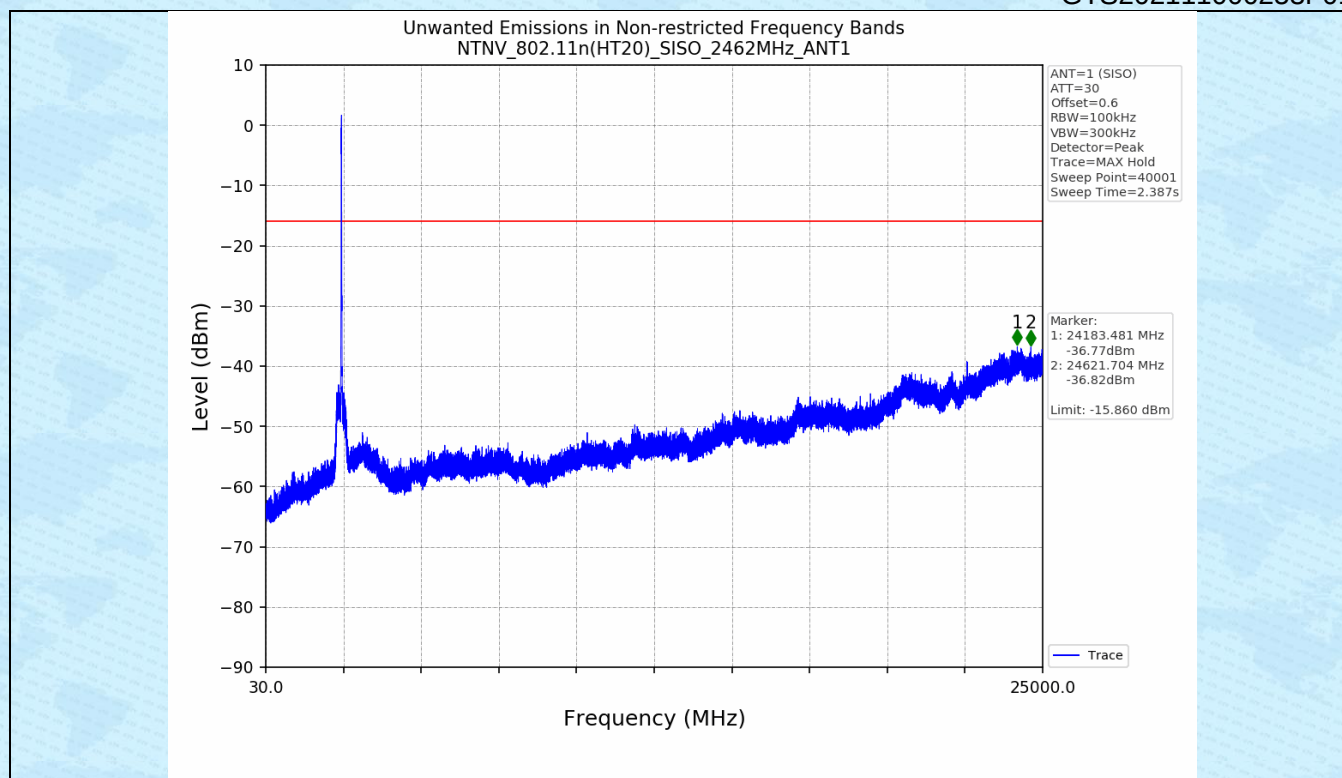












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