

## Appendix for 15.247

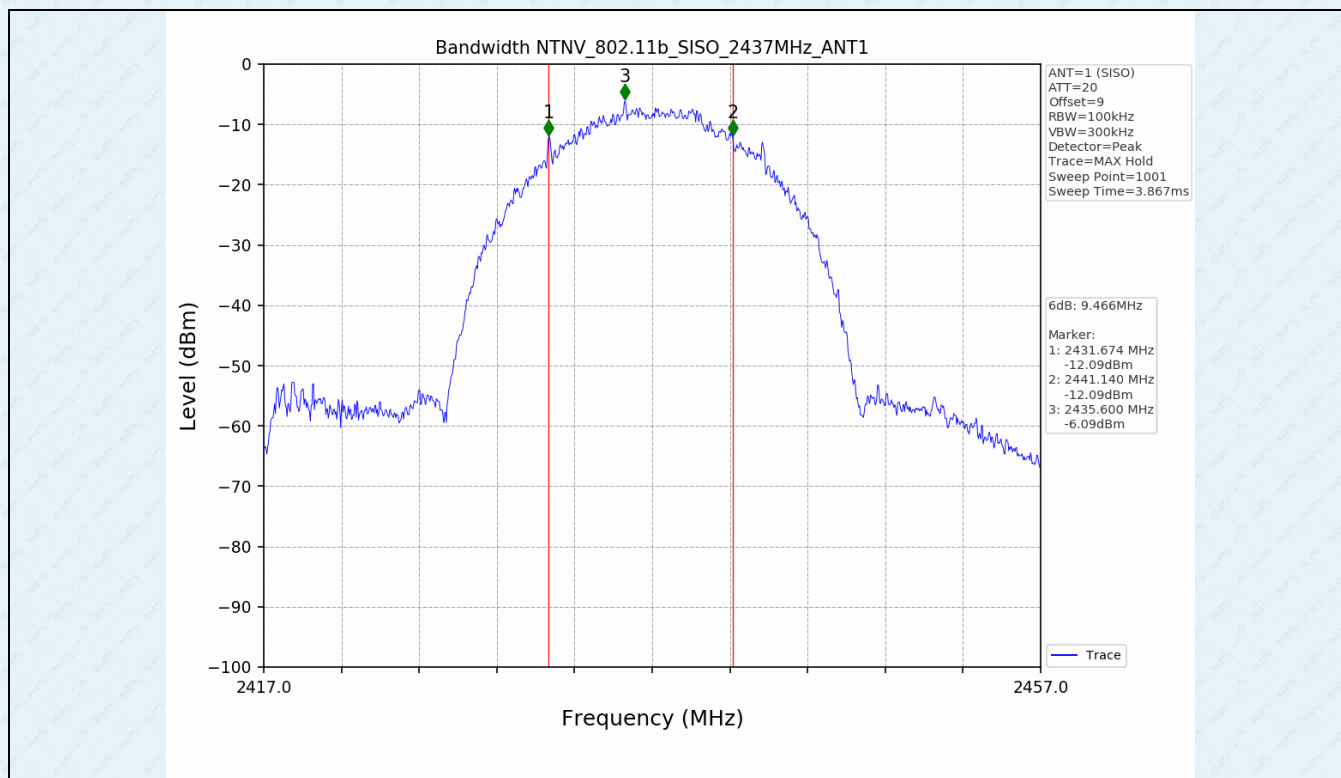
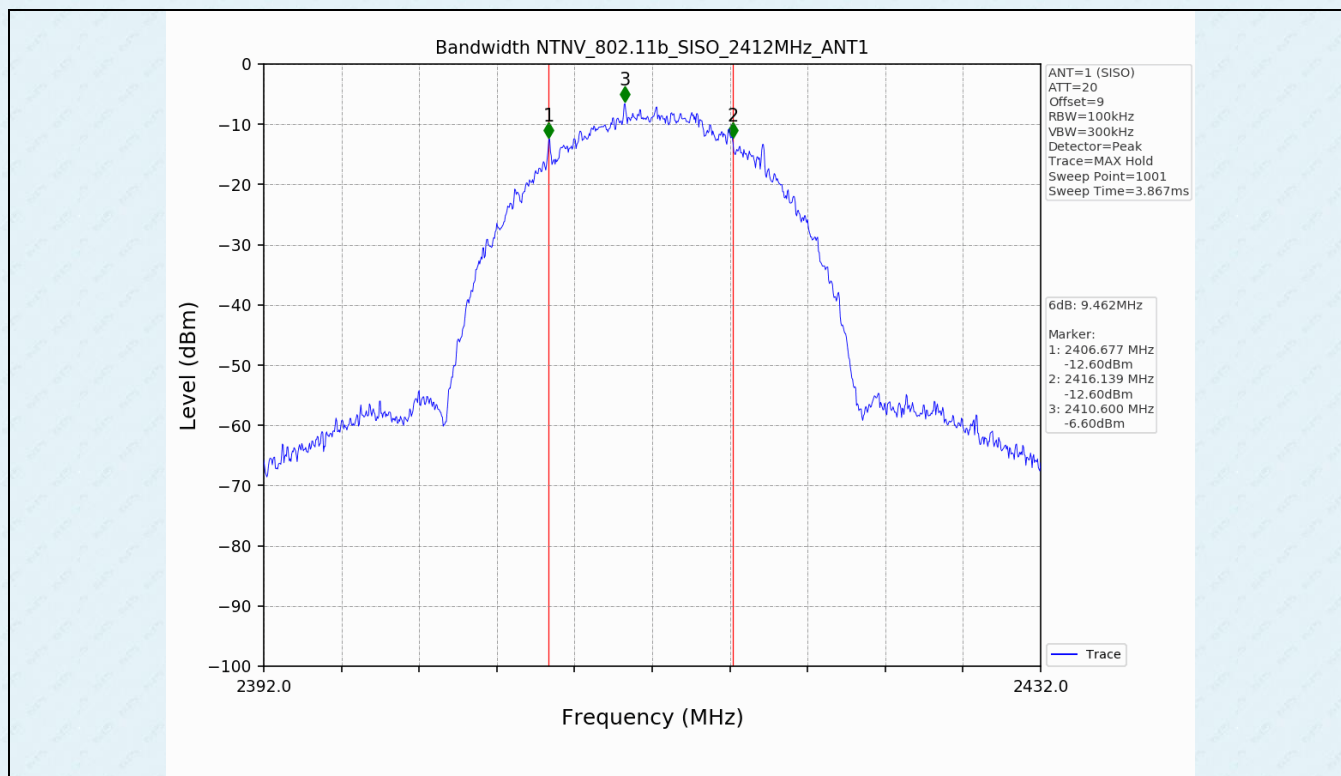
### 1. Bandwidth

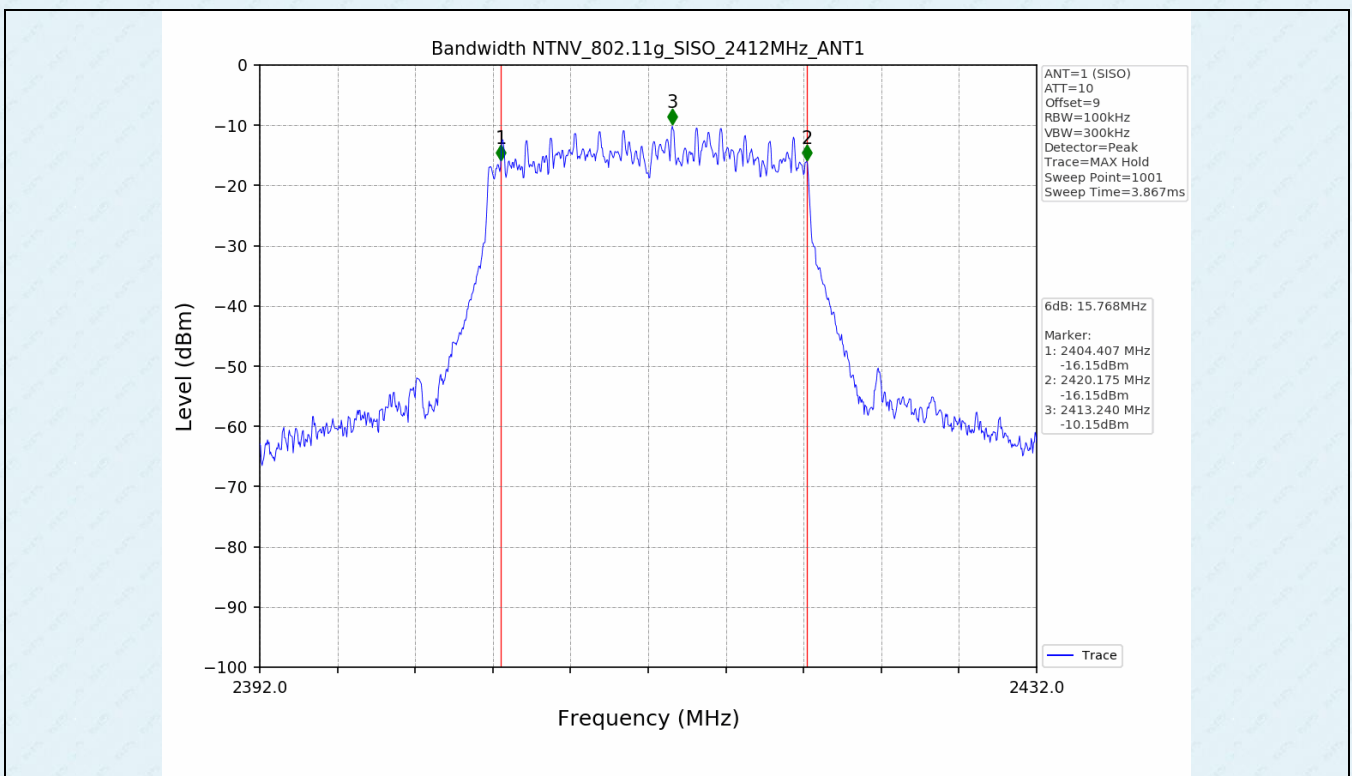
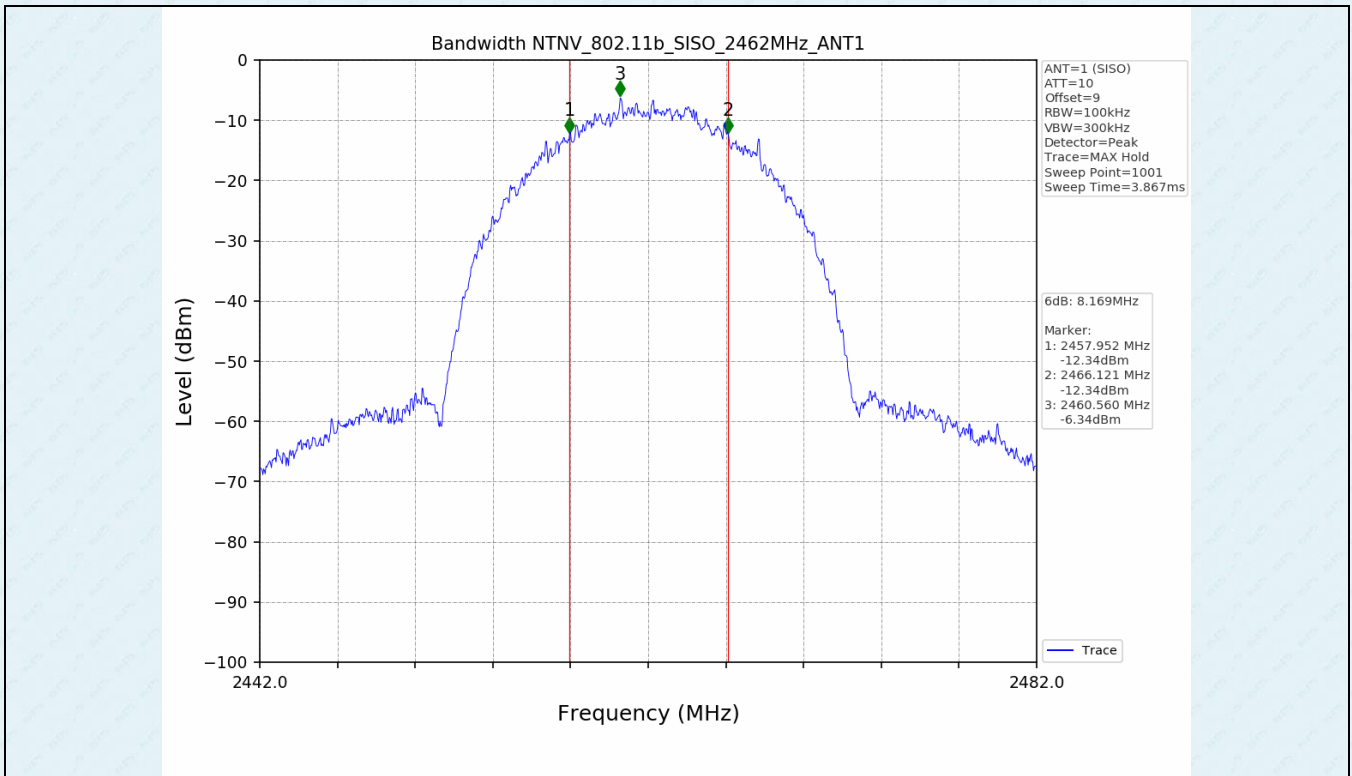
#### 1.1 Test Result

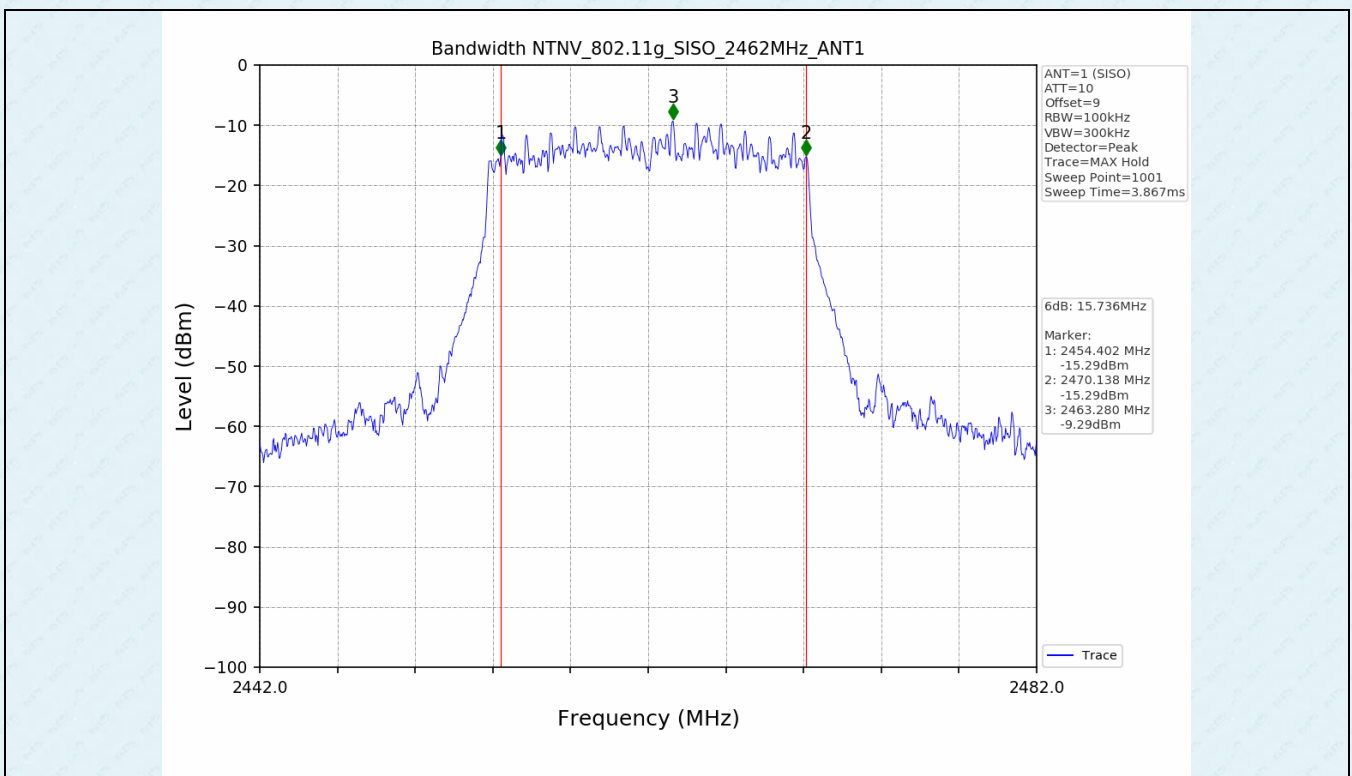
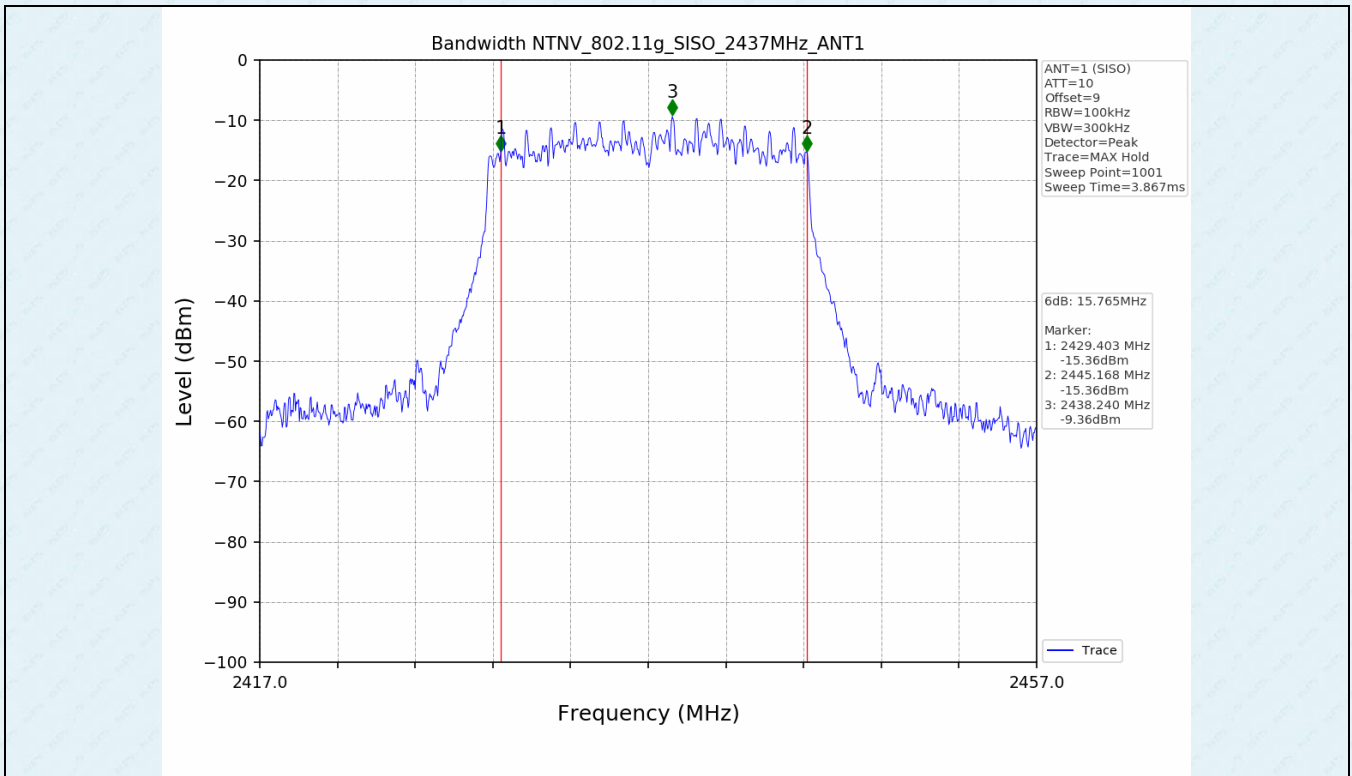
| Test Mode     | Frequency (MHz) | TX Type | ANT No. | 6dB Bandwidth     |              | Verdict |
|---------------|-----------------|---------|---------|-------------------|--------------|---------|
|               |                 |         |         | Test Result (MHz) | Limits (MHz) |         |
| 802.11b       | 2412            | SISO    | 1       | 9.462             | ≥0.5         | PASS    |
|               | 2437            | SISO    | 1       | 9.466             | ≥0.5         | PASS    |
|               | 2462            | SISO    | 1       | 8.169             | ≥0.5         | PASS    |
| 802.11g       | 2412            | SISO    | 1       | 15.768            | ≥0.5         | PASS    |
|               | 2437            | SISO    | 1       | 15.765            | ≥0.5         | PASS    |
|               | 2462            | SISO    | 1       | 15.736            | ≥0.5         | PASS    |
| 802.11n(HT20) | 2412            | SISO    | 1       | 16.042            | ≥0.5         | PASS    |
|               | 2437            | SISO    | 1       | 16.078            | ≥0.5         | PASS    |
|               | 2462            | SISO    | 1       | 16.074            | ≥0.5         | PASS    |
| 802.11n(HT40) | 2422            | SISO    | 1       | 35.755            | ≥0.5         | PASS    |
|               | 2437            | SISO    | 1       | 35.757            | ≥0.5         | PASS    |
|               | 2452            | SISO    | 1       | 35.742            | ≥0.5         | PASS    |

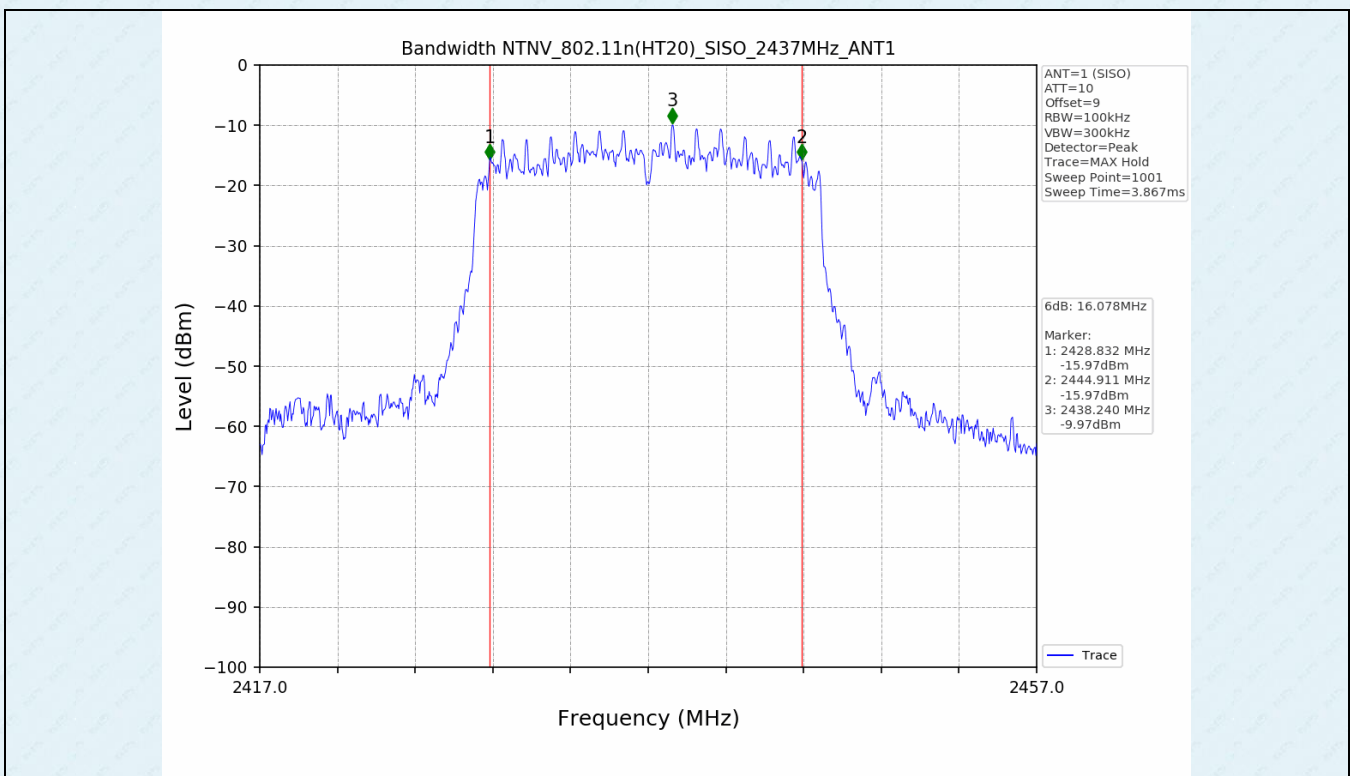
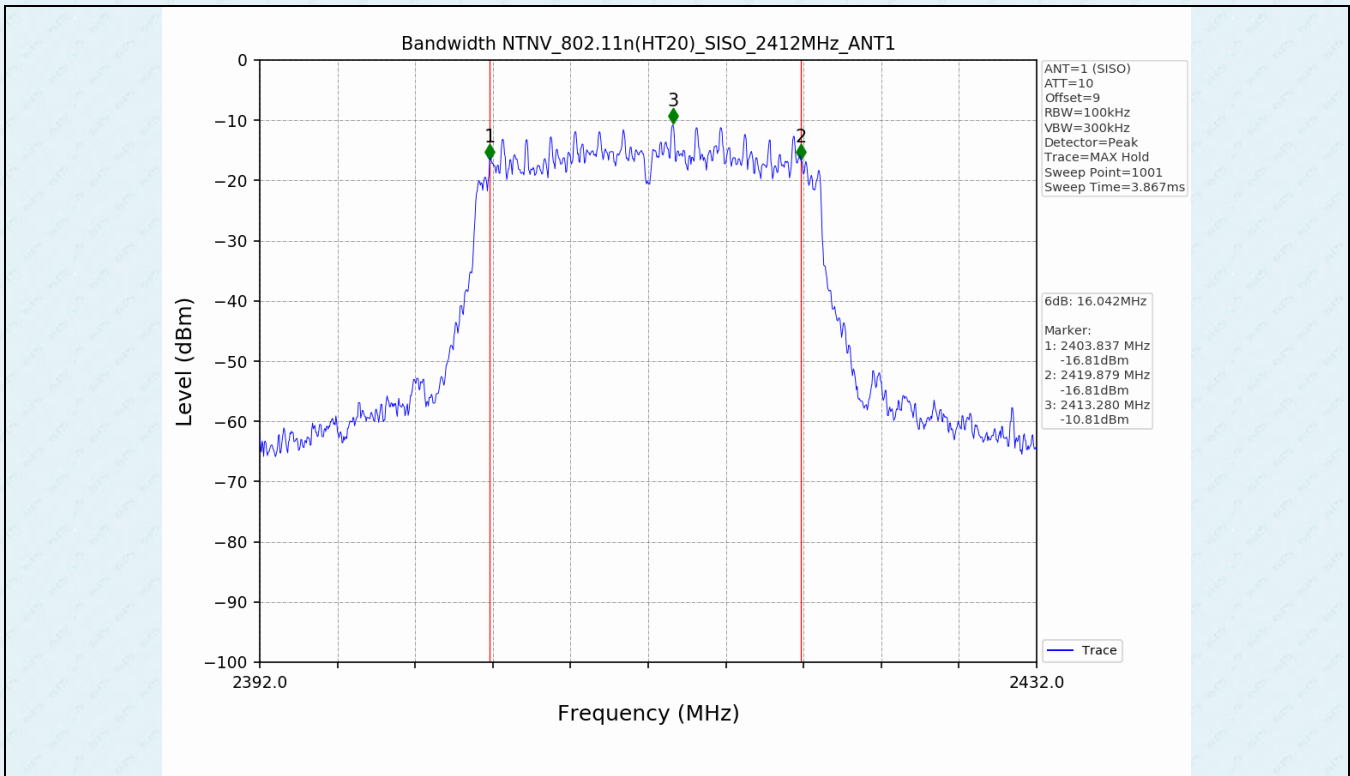
| Test Mode     | Frequency (MHz) | TX Type | ANT No. | 99% Occupied Bandwidth |                     |
|---------------|-----------------|---------|---------|------------------------|---------------------|
|               |                 |         |         | Test Result (MHz)      |                     |
| 802.11b       | 2412            | SISO    | 1       | 14.031                 | Only for Report Use |
|               | 2437            | SISO    | 1       | 14.029                 | Only for Report Use |
|               | 2462            | SISO    | 1       | 13.984                 | Only for Report Use |
| 802.11g       | 2412            | SISO    | 1       | 16.425                 | Only for Report Use |
|               | 2437            | SISO    | 1       | 16.435                 | Only for Report Use |
|               | 2462            | SISO    | 1       | 16.427                 | Only for Report Use |
| 802.11n(HT20) | 2412            | SISO    | 1       | 17.443                 | Only for Report Use |
|               | 2437            | SISO    | 1       | 17.449                 | Only for Report Use |
|               | 2462            | SISO    | 1       | 17.448                 | Only for Report Use |
| 802.11n(HT40) | 2422            | SISO    | 1       | 36.342                 | Only for Report Use |
|               | 2437            | SISO    | 1       | 36.356                 | Only for Report Use |
|               | 2452            | SISO    | 1       | 36.352                 | Only for Report Use |

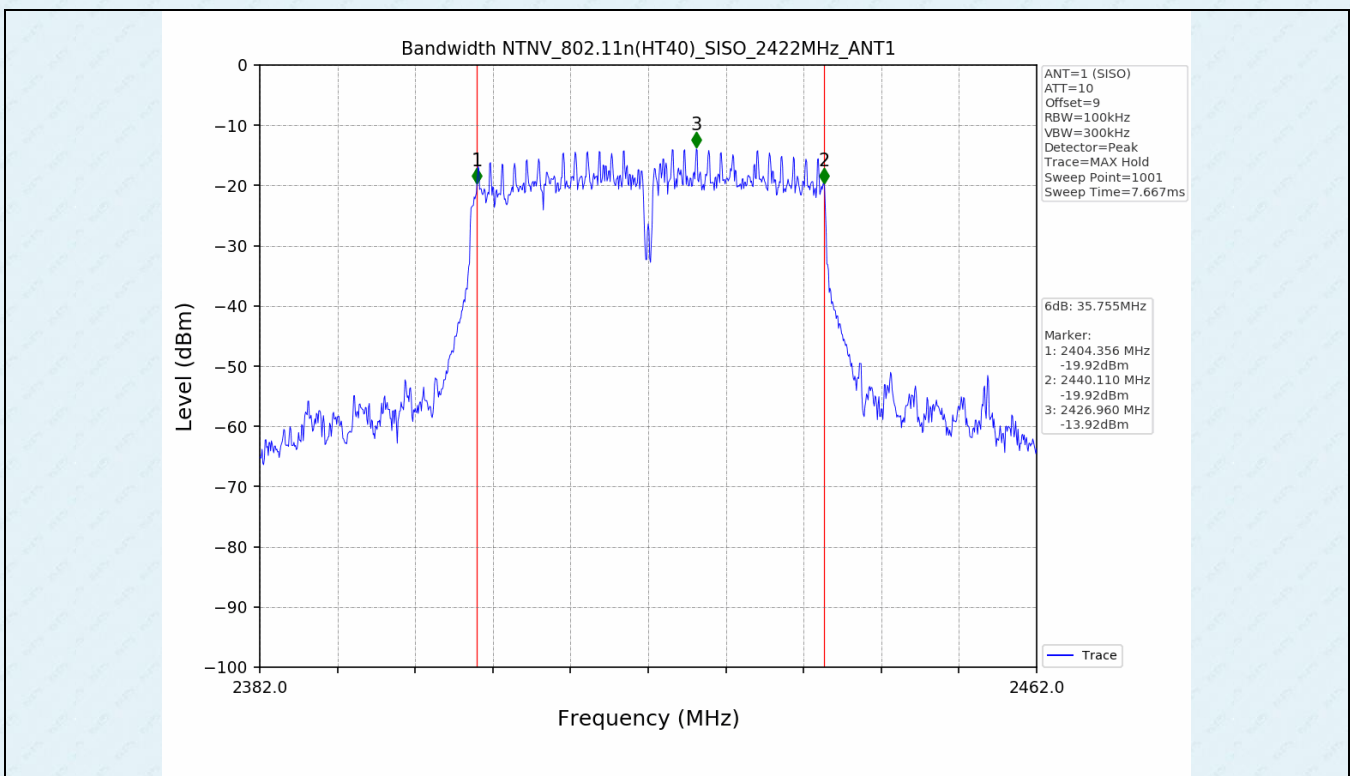
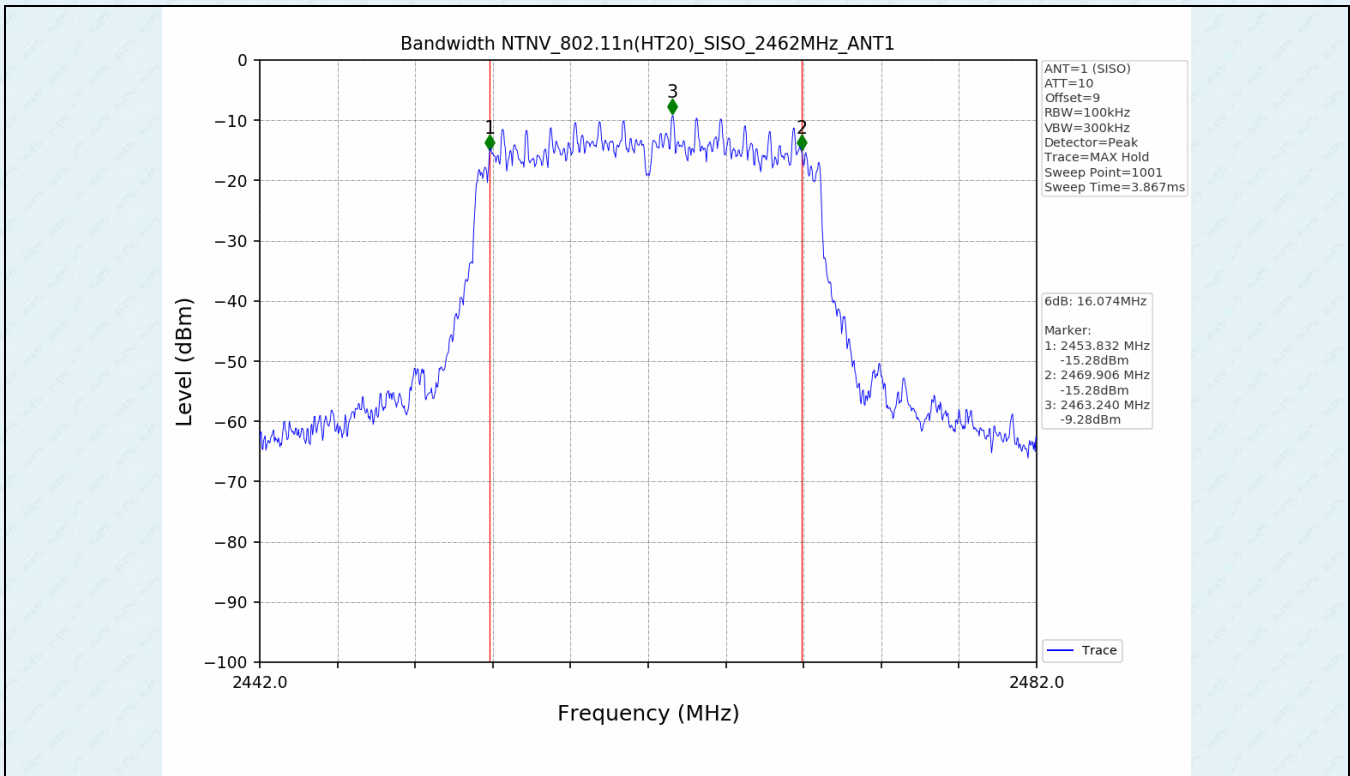
## 1.2 Test Graph - 6dB Bandwidth

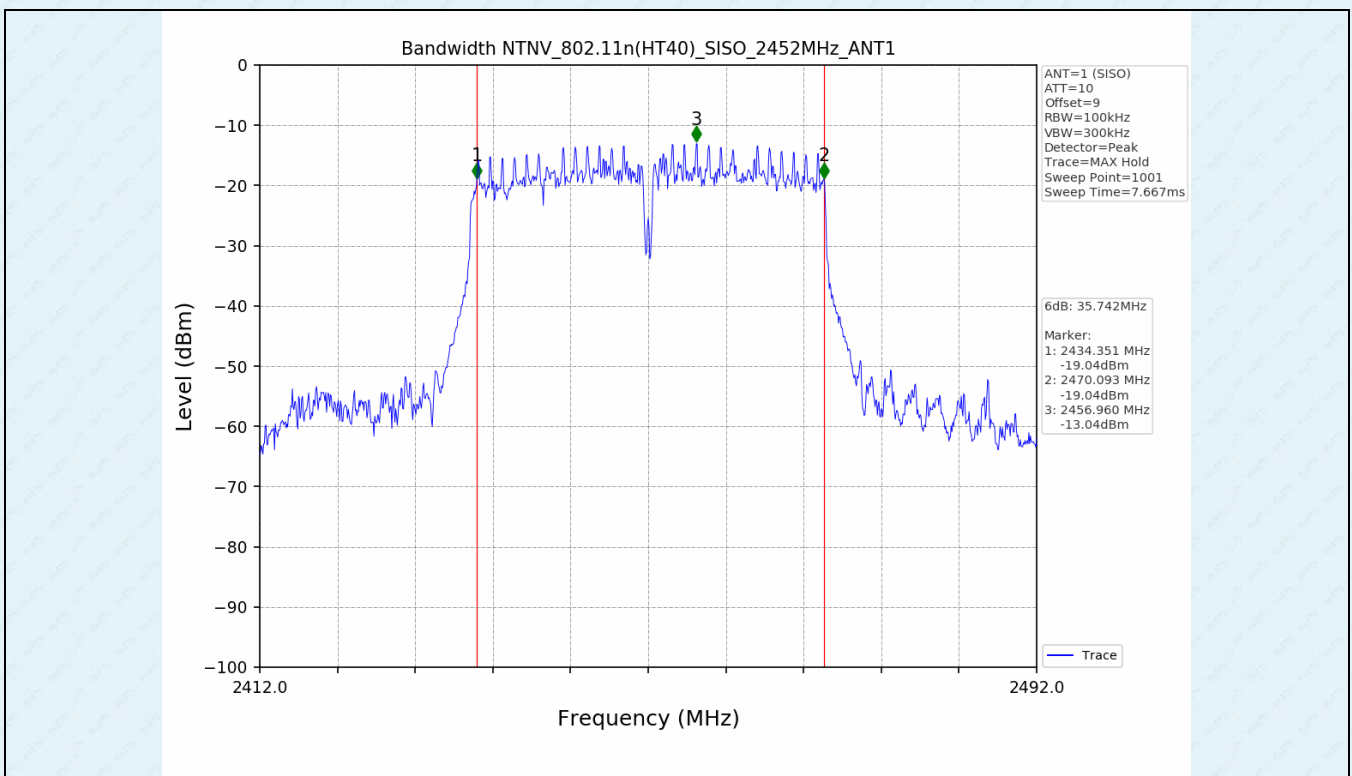
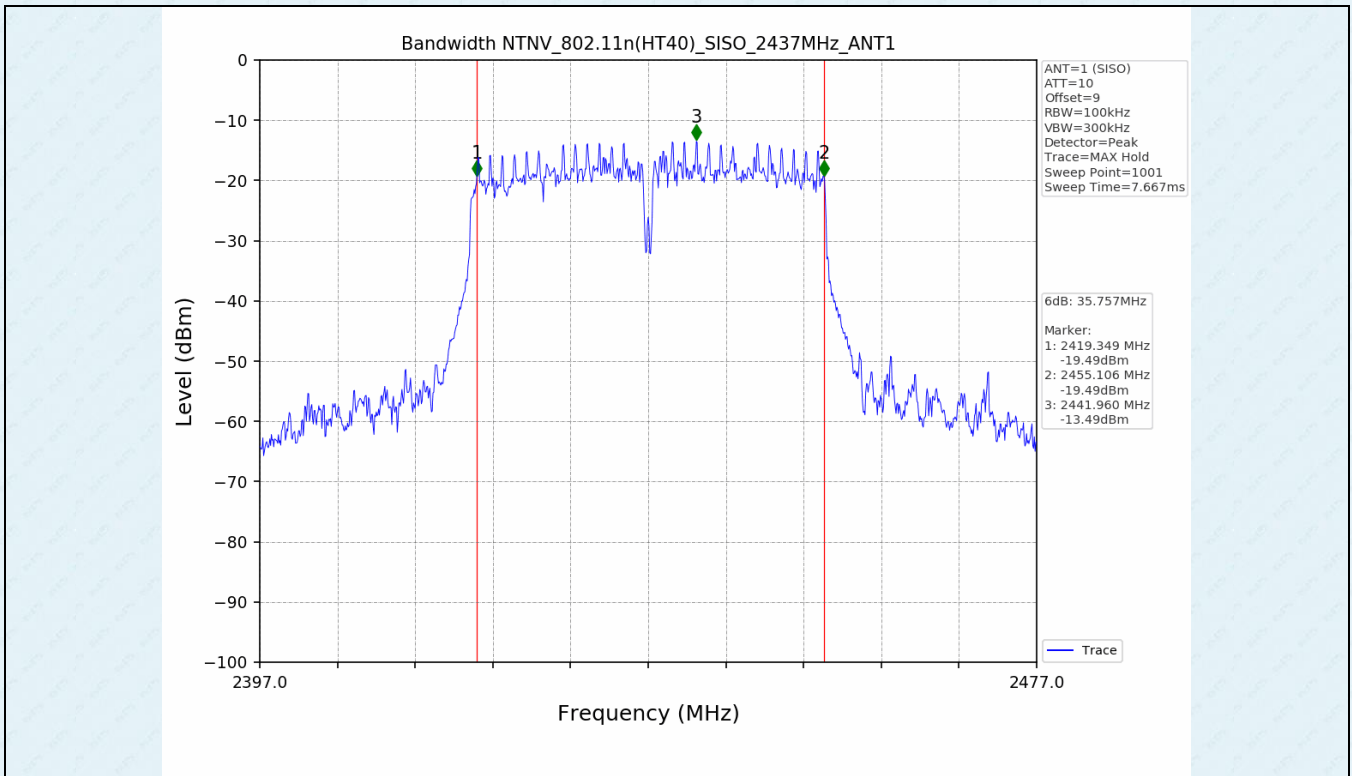




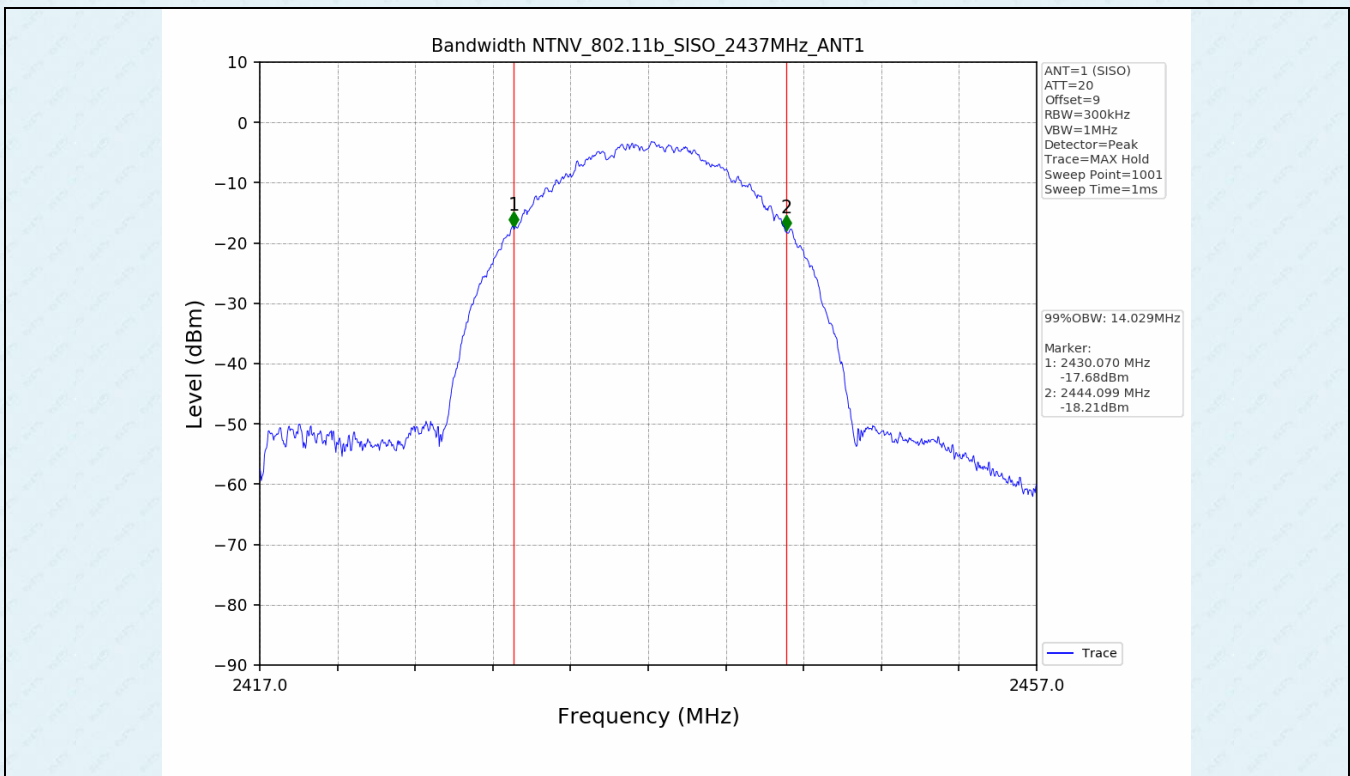
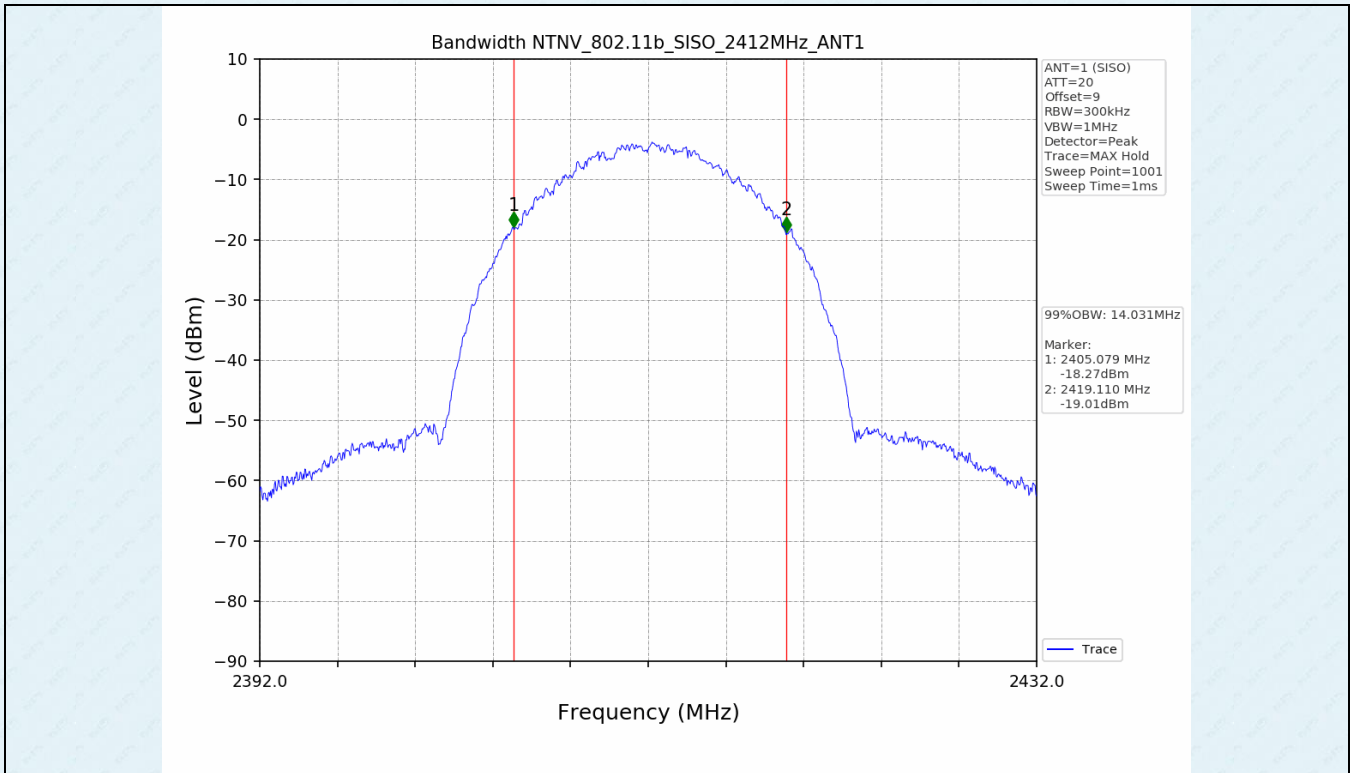


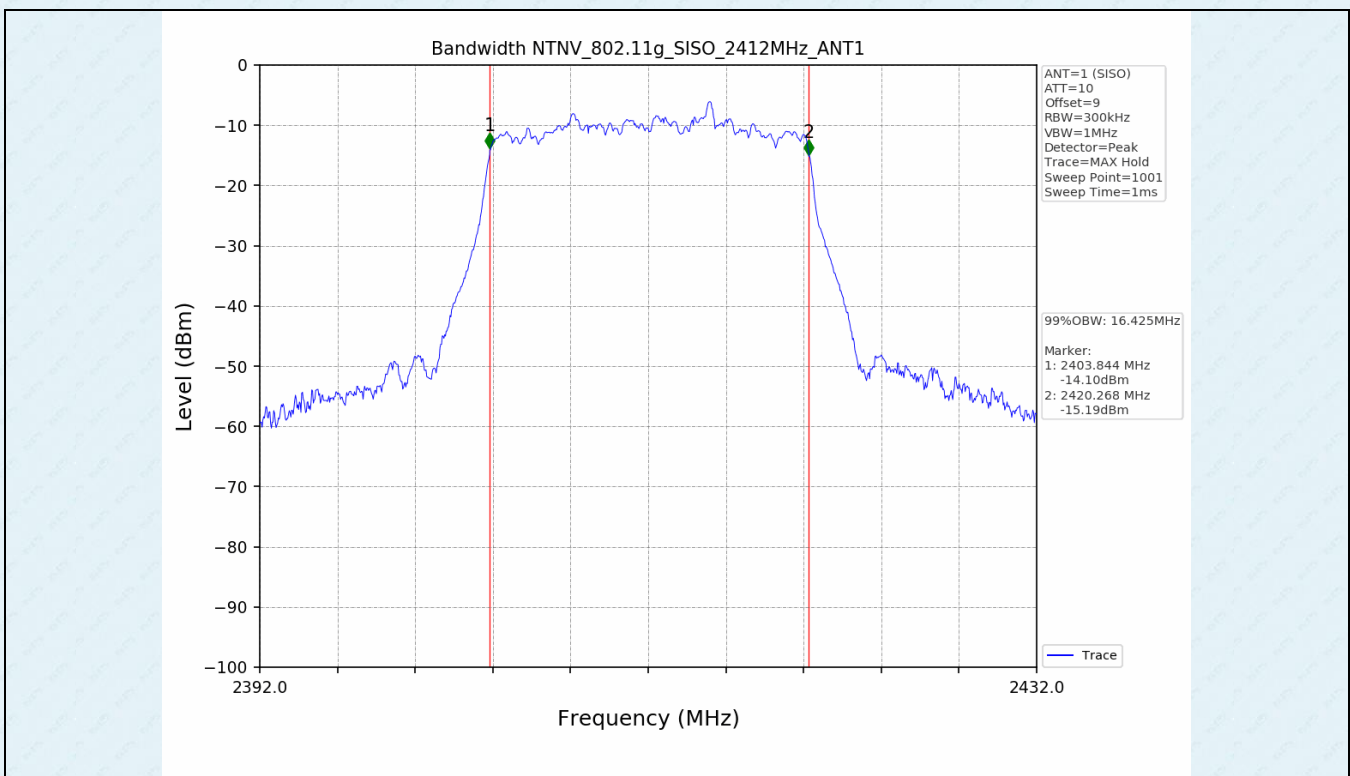
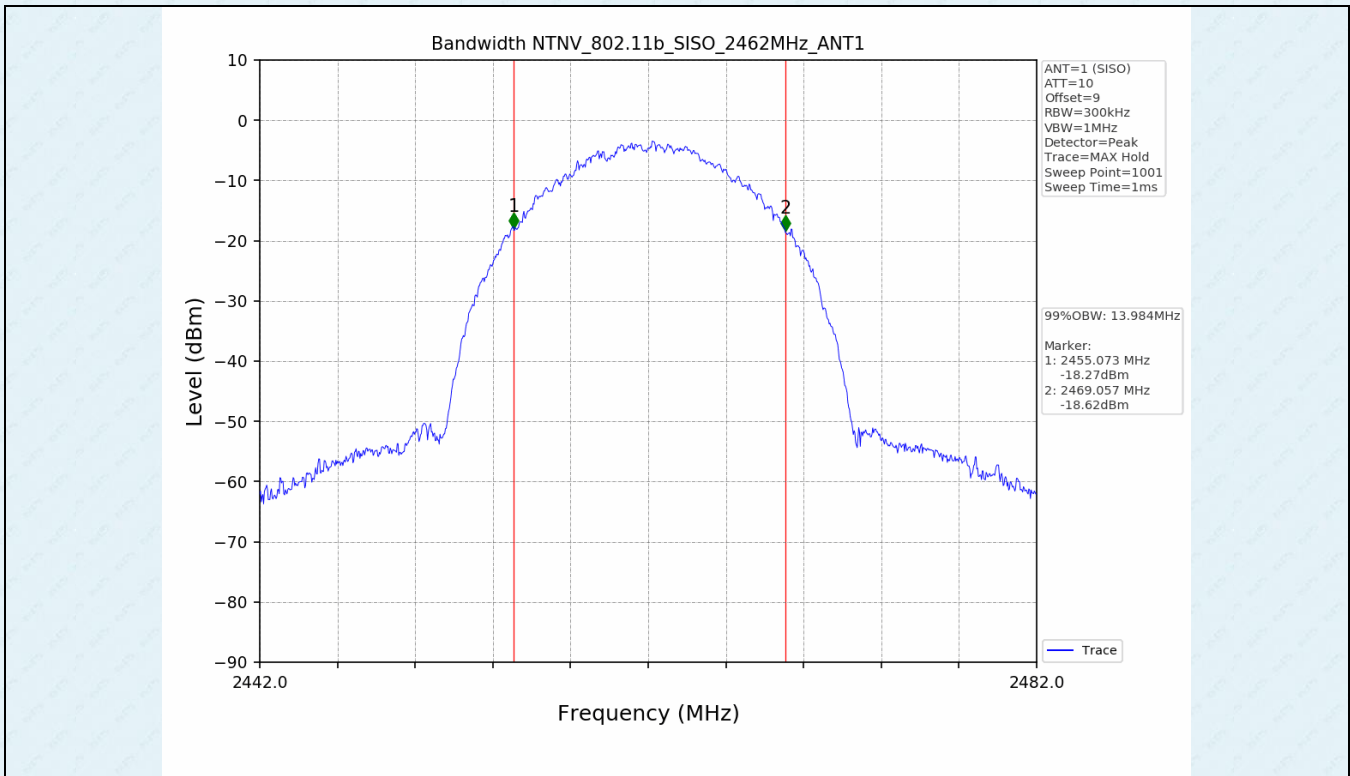


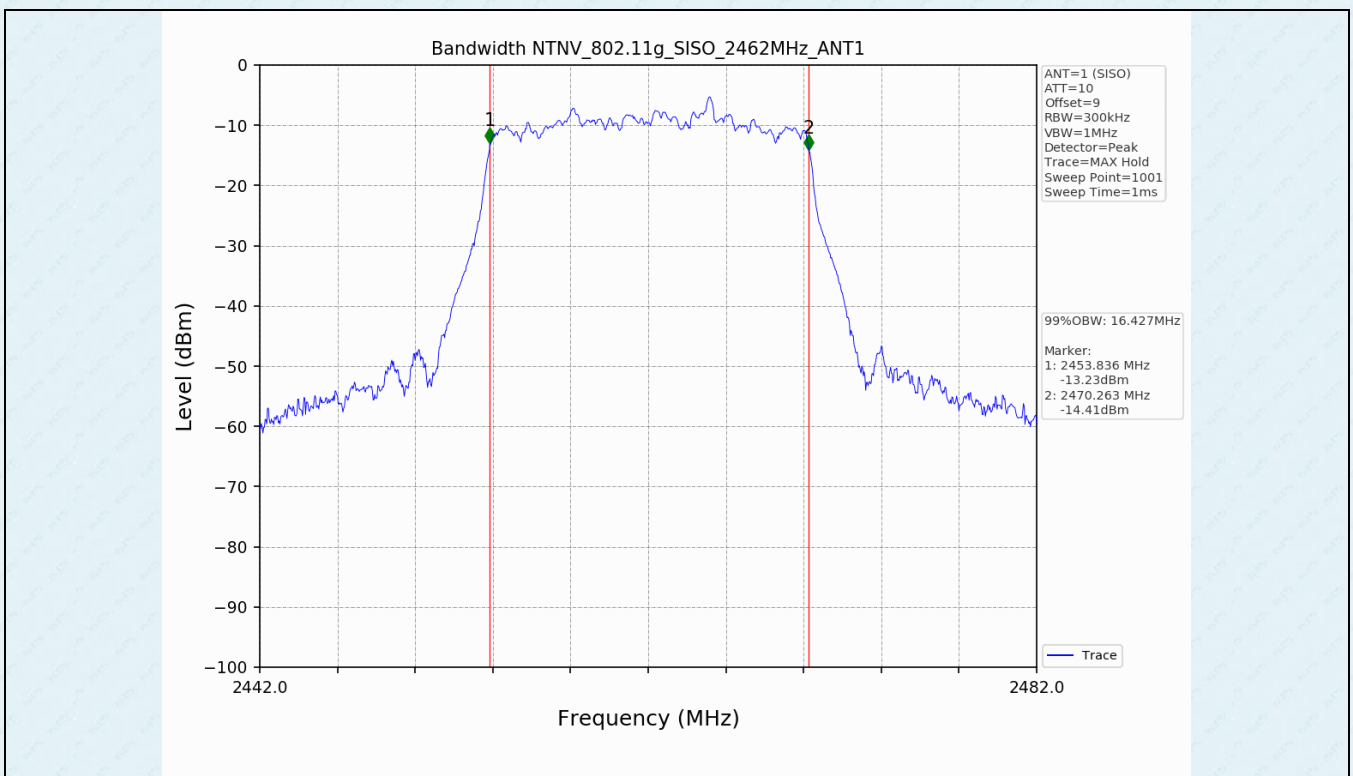
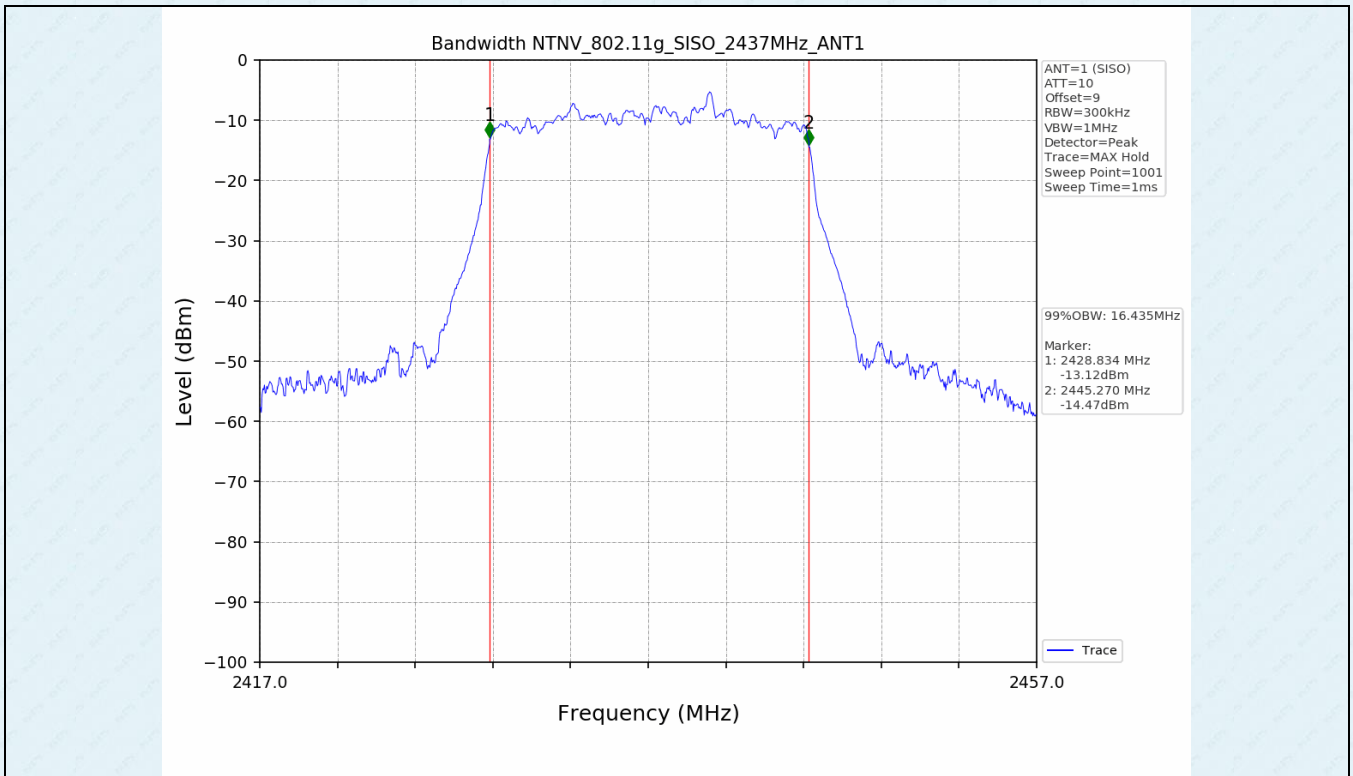


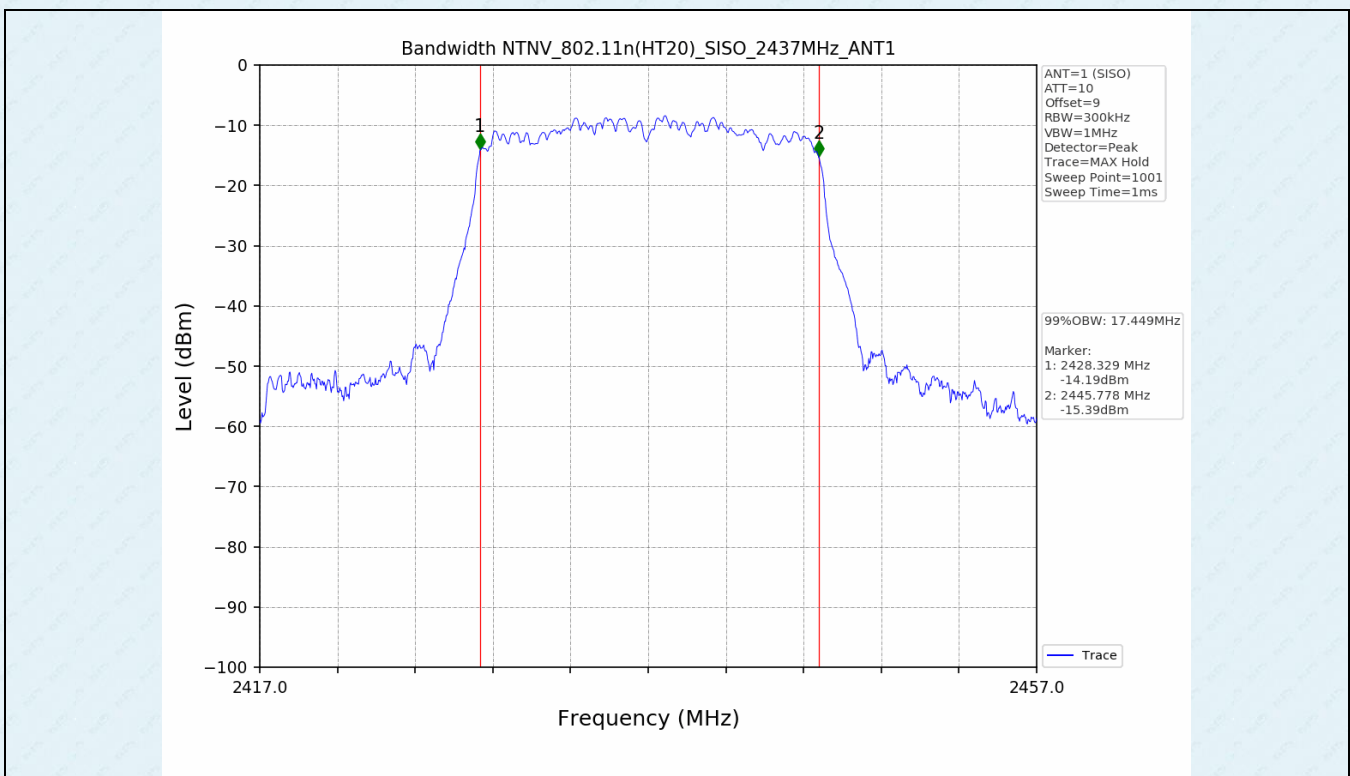
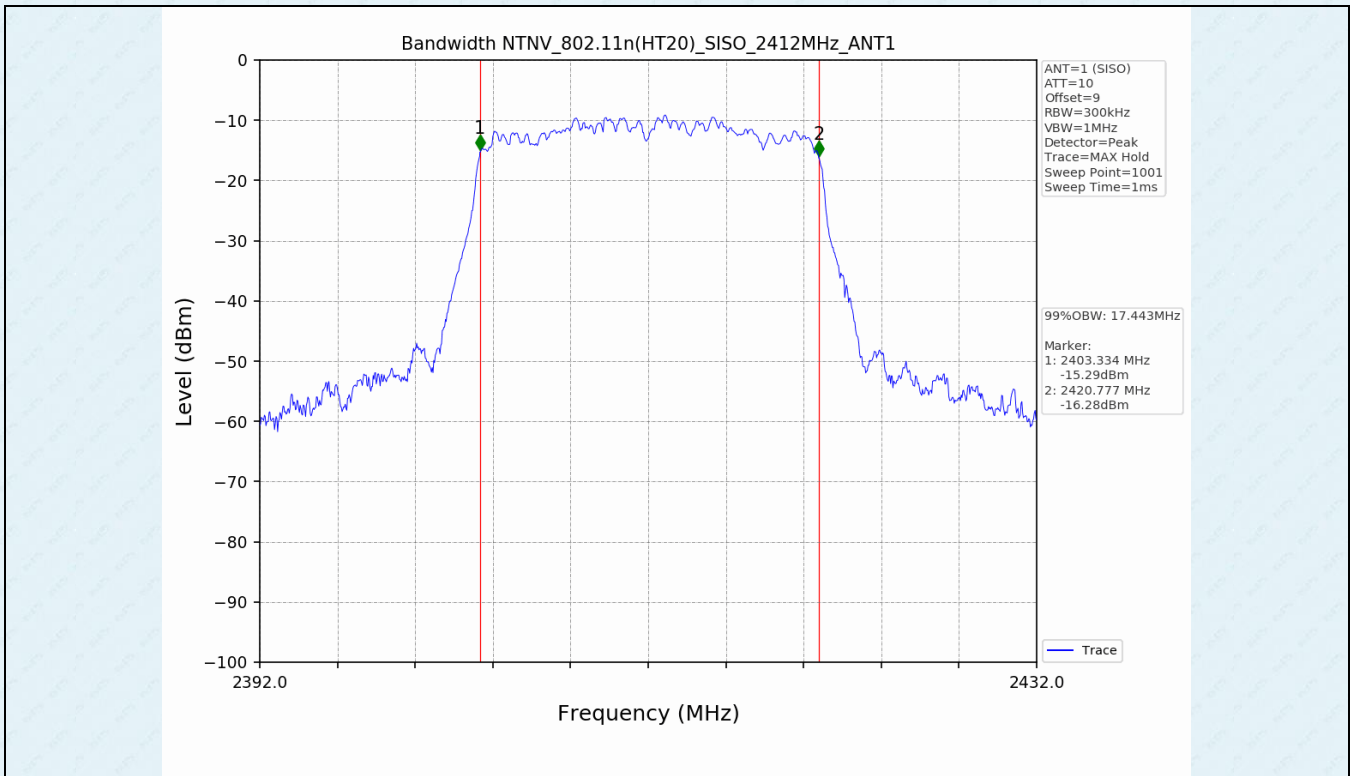


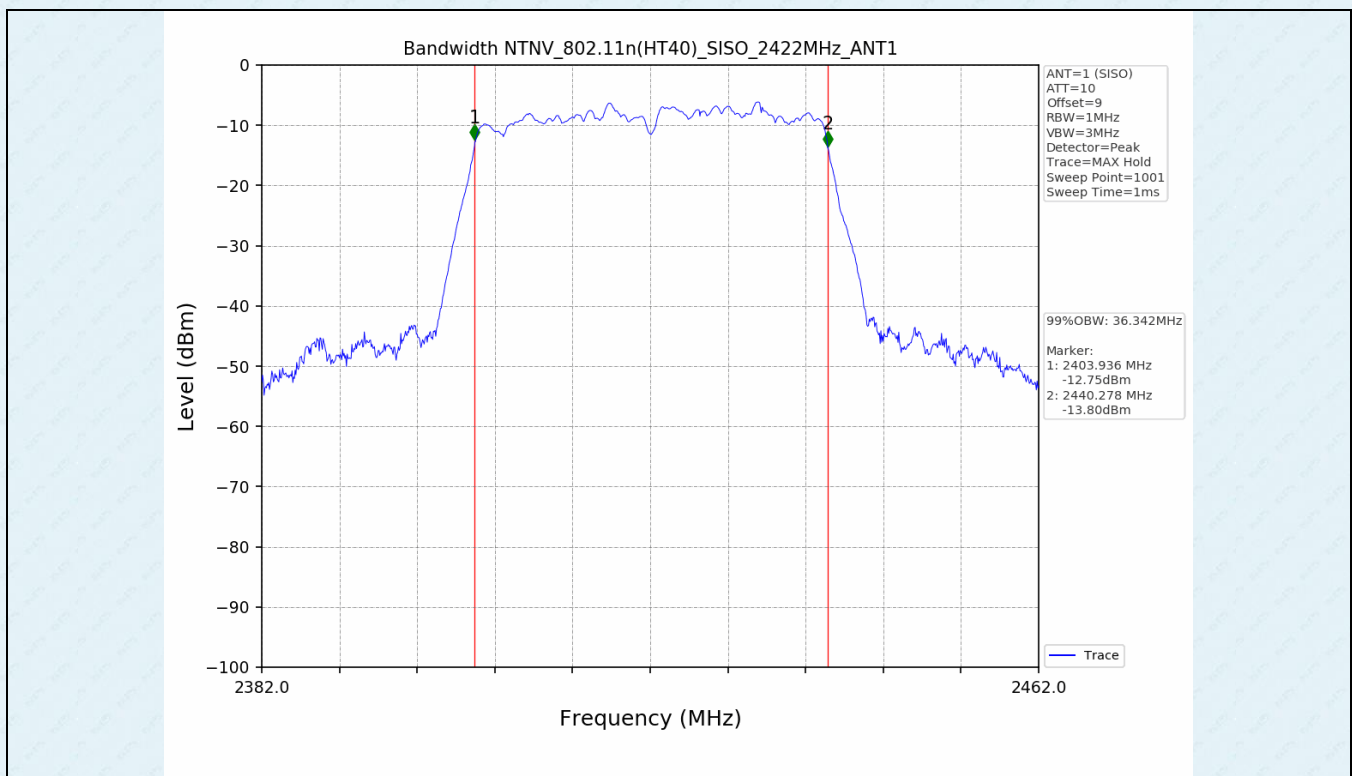
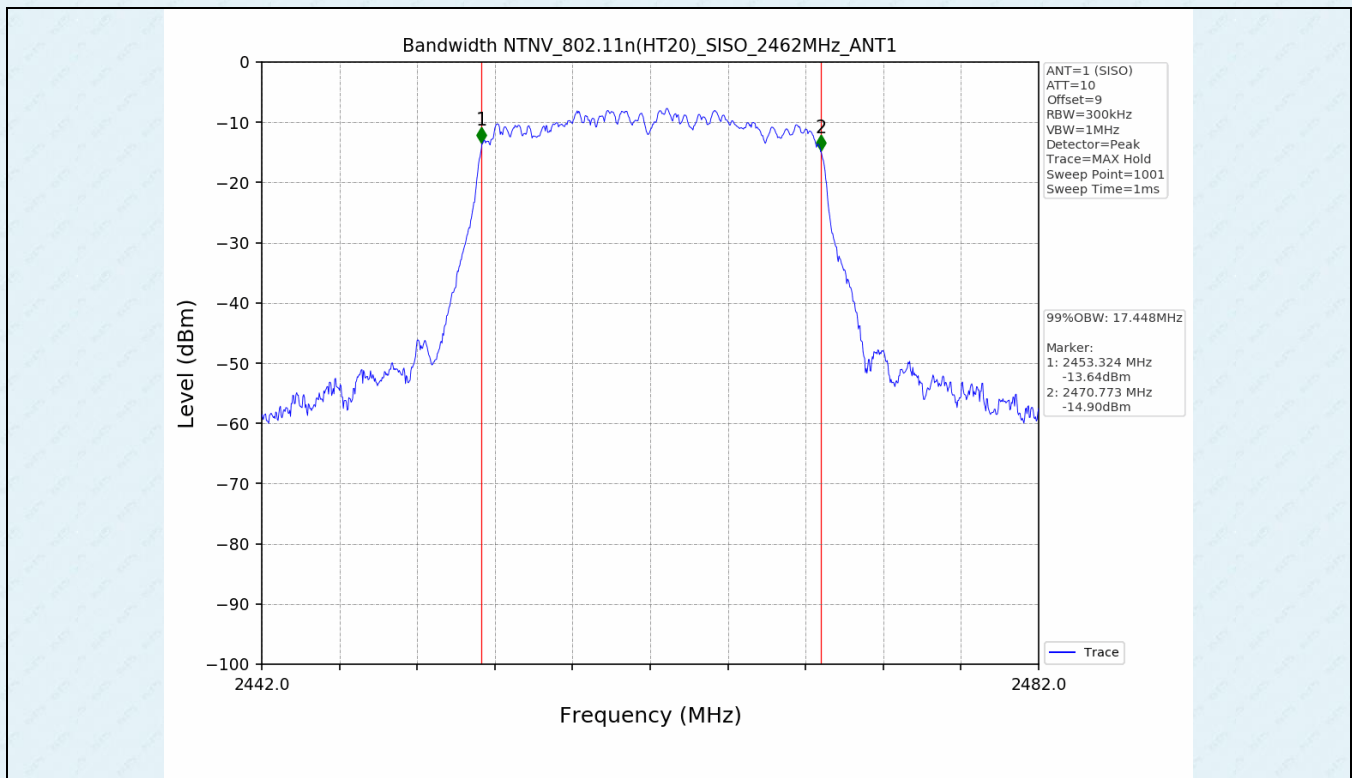
## 1.3 Test Graph - 99% Occupied Bandwidth

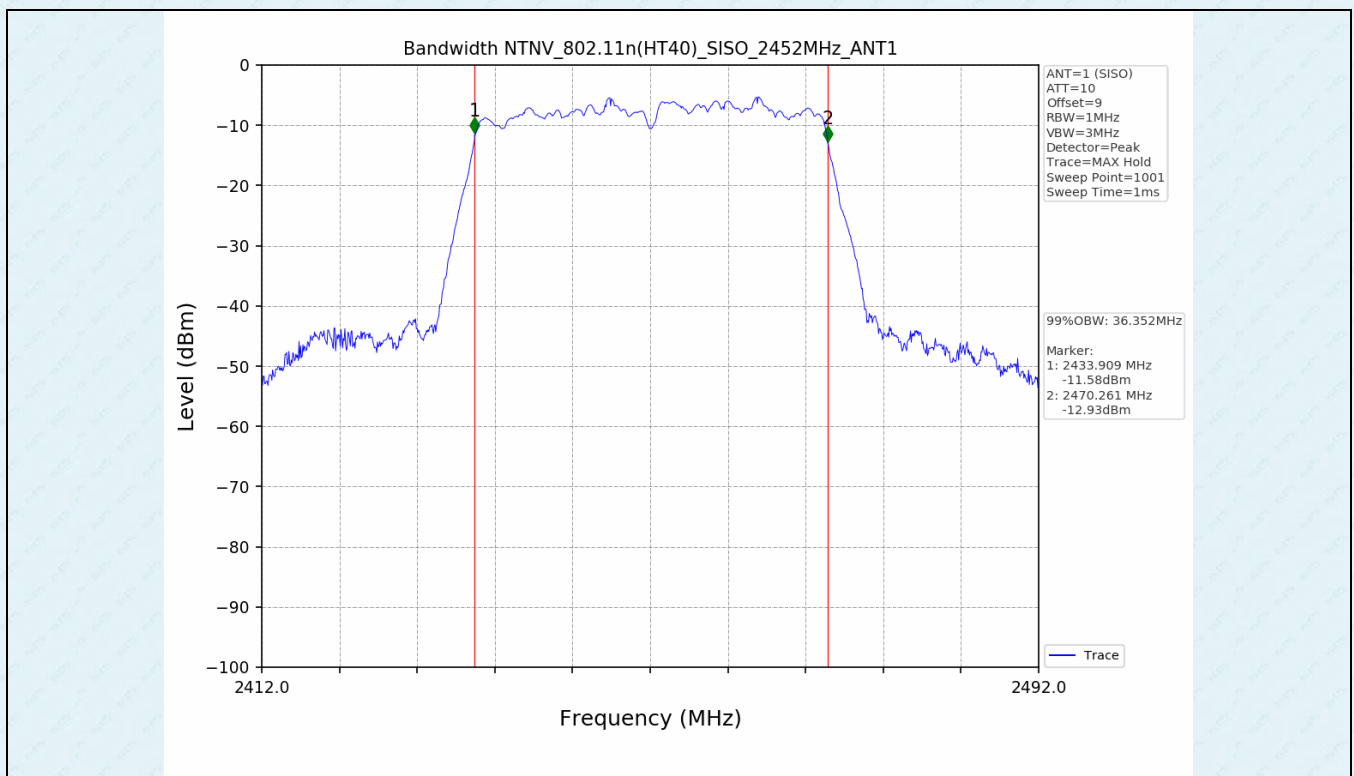
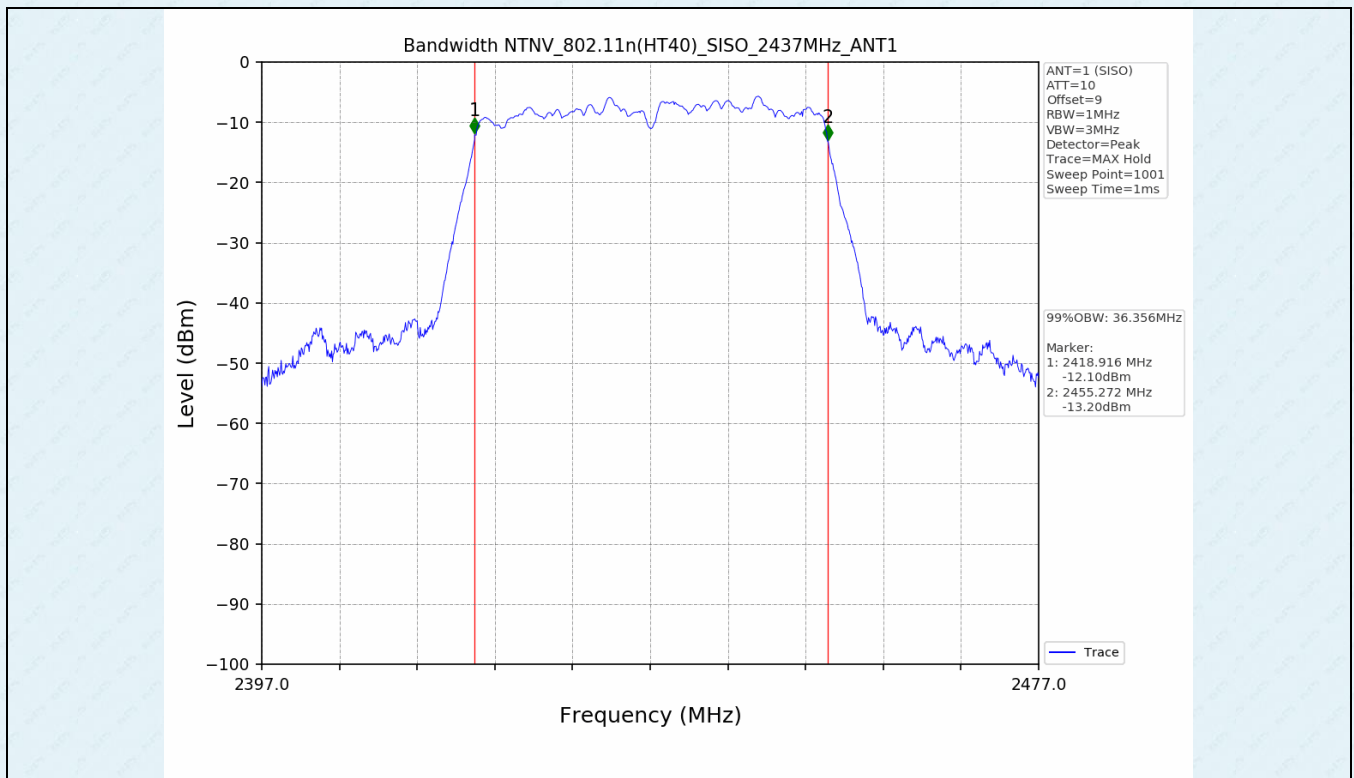










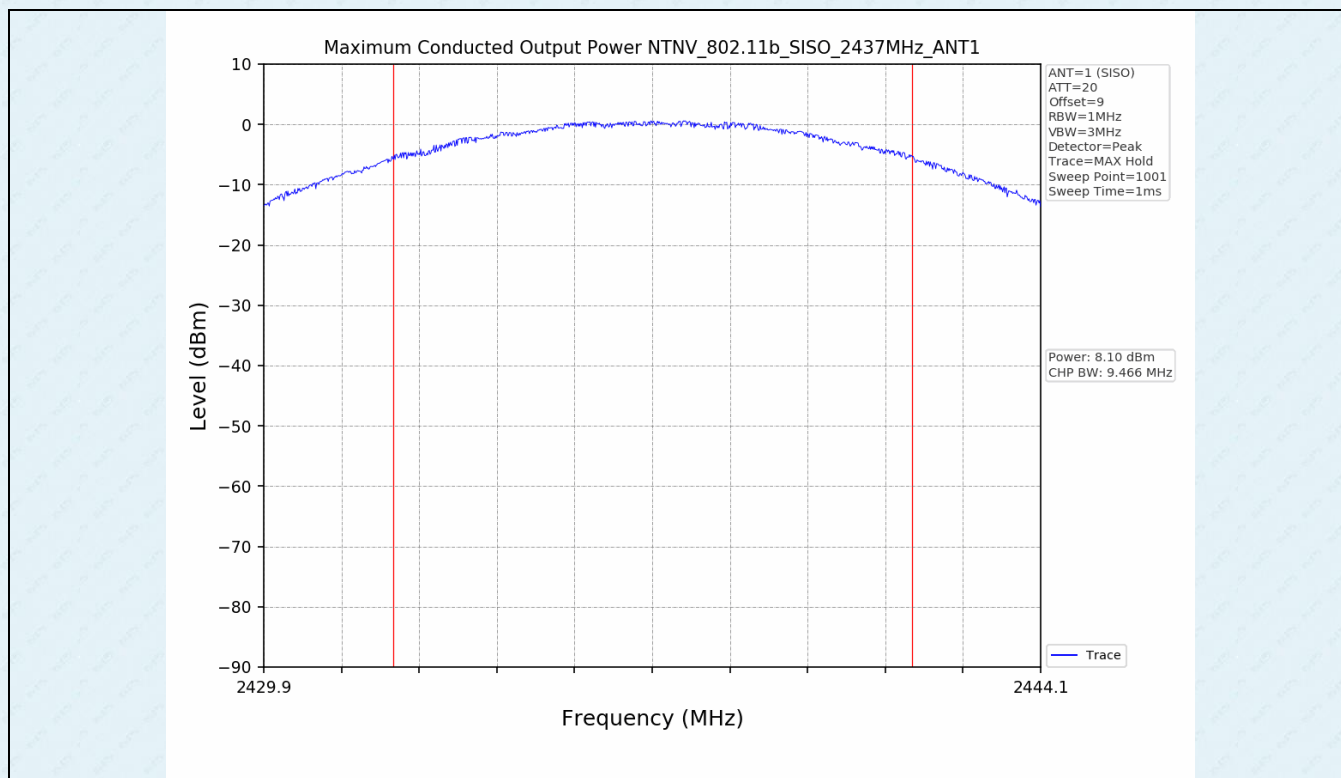
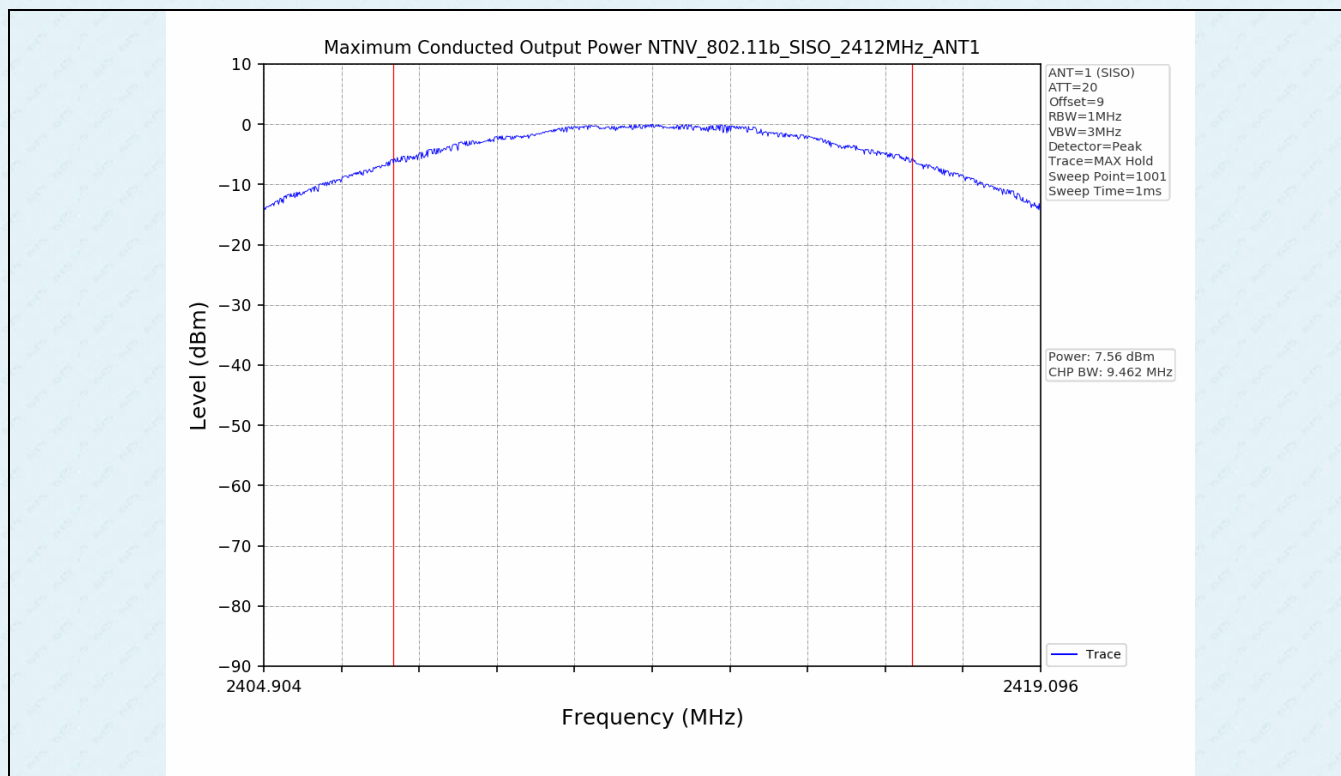


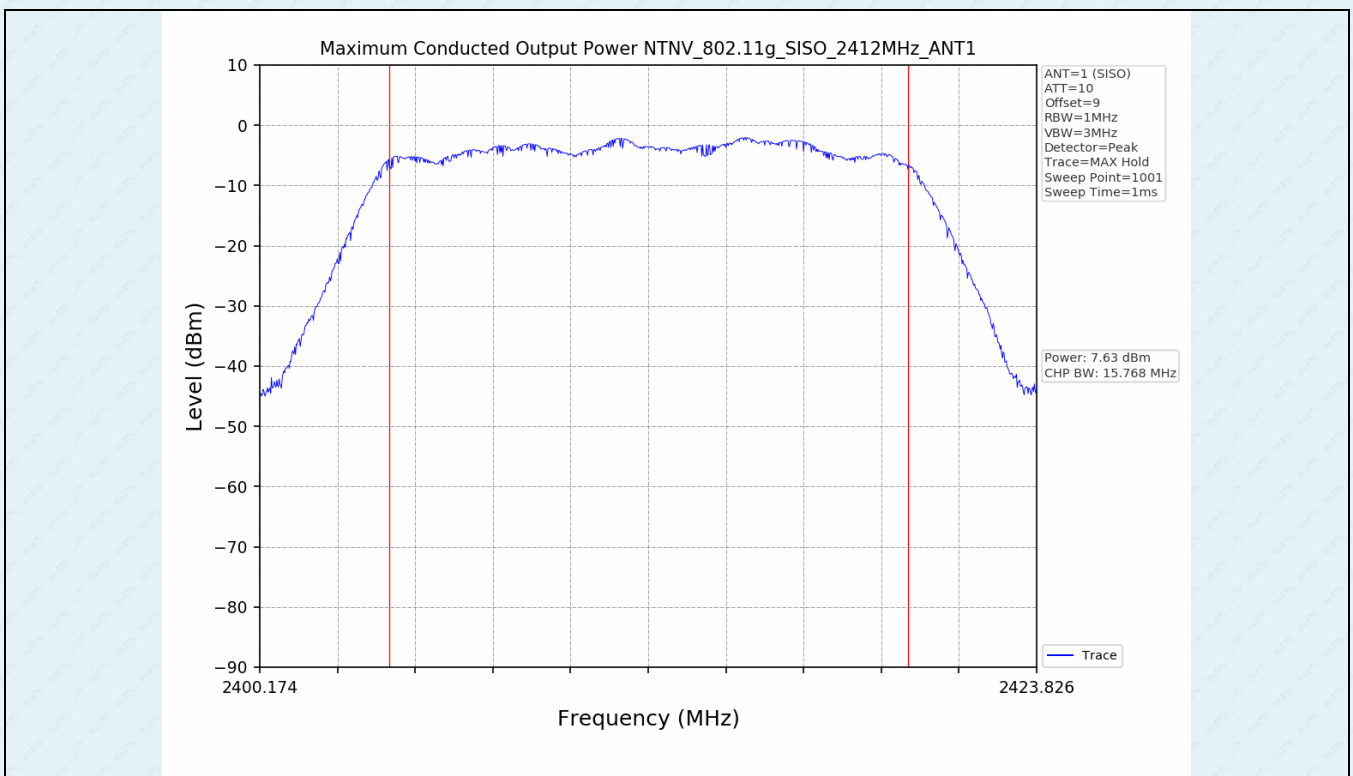
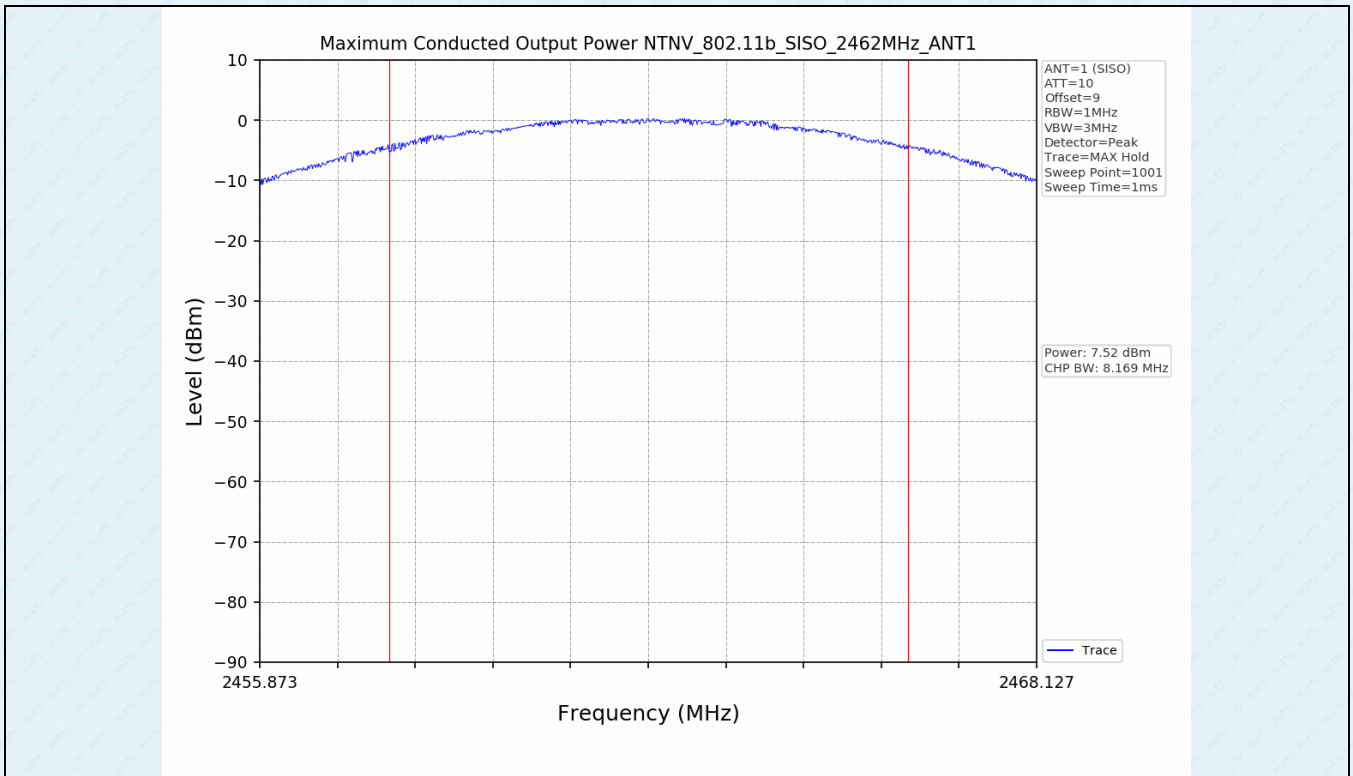
## 2. Maximum Conducted Output Power

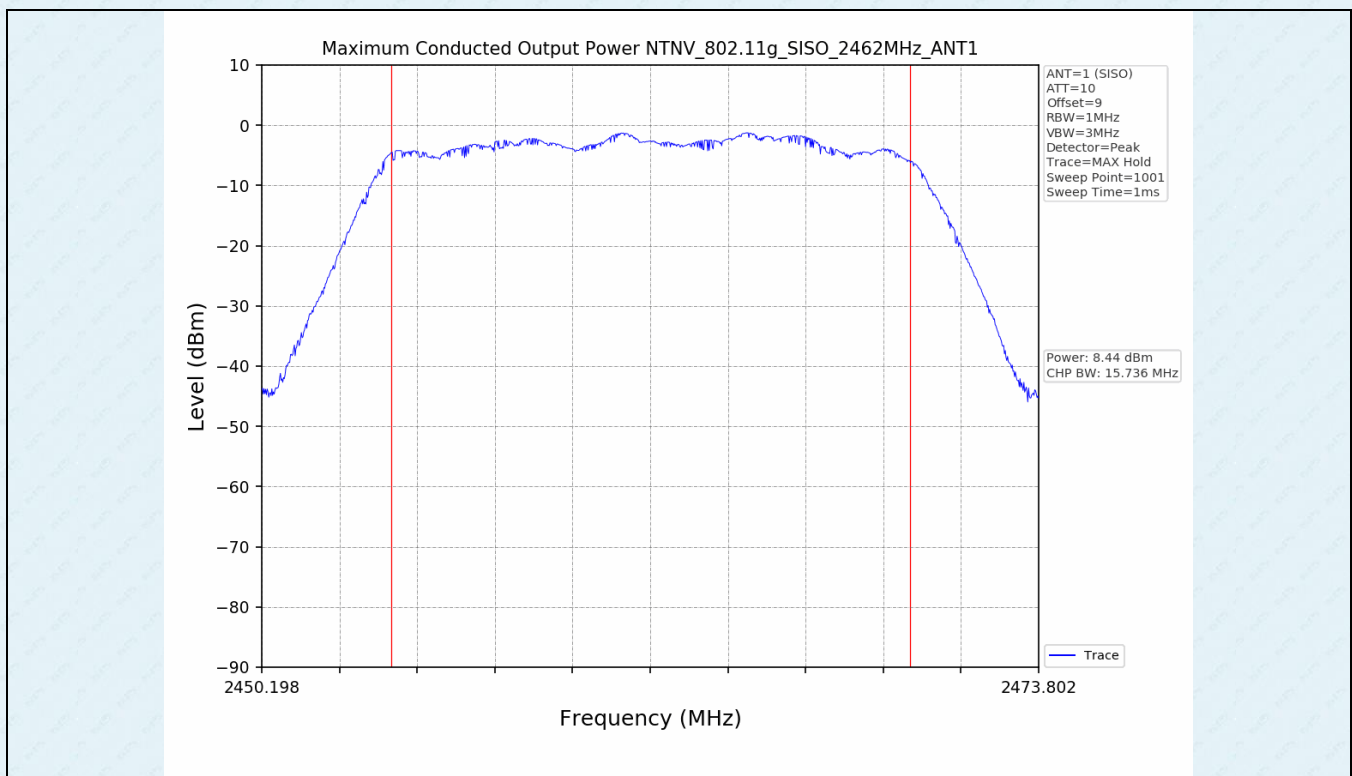
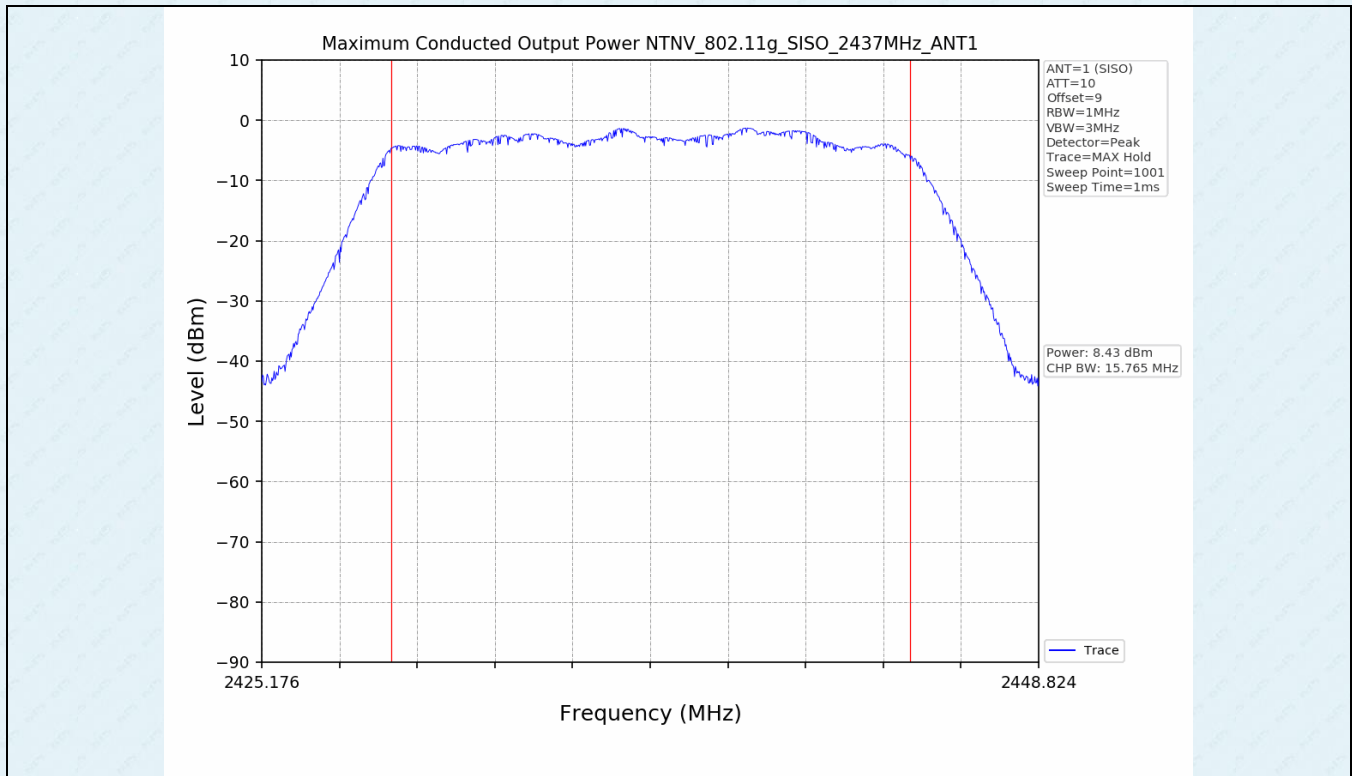
### 2.1 Test Result

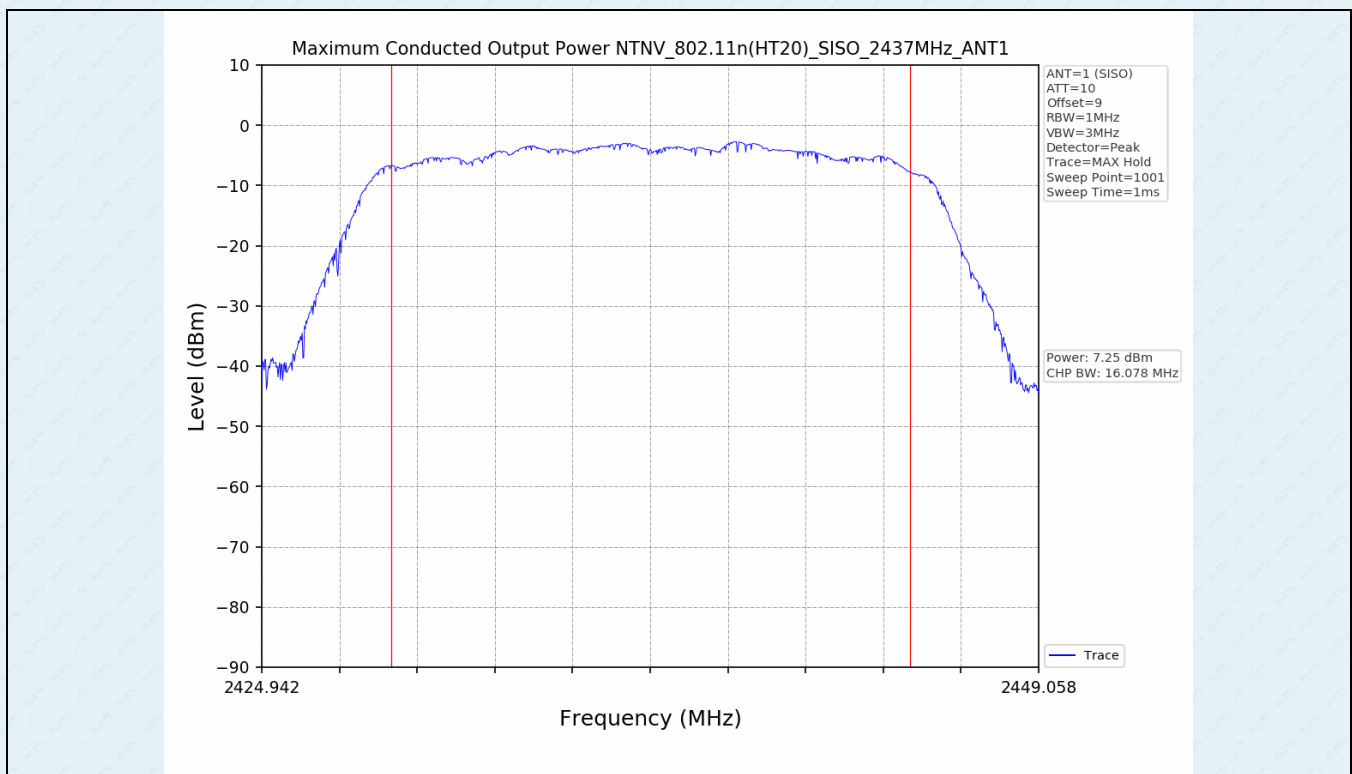
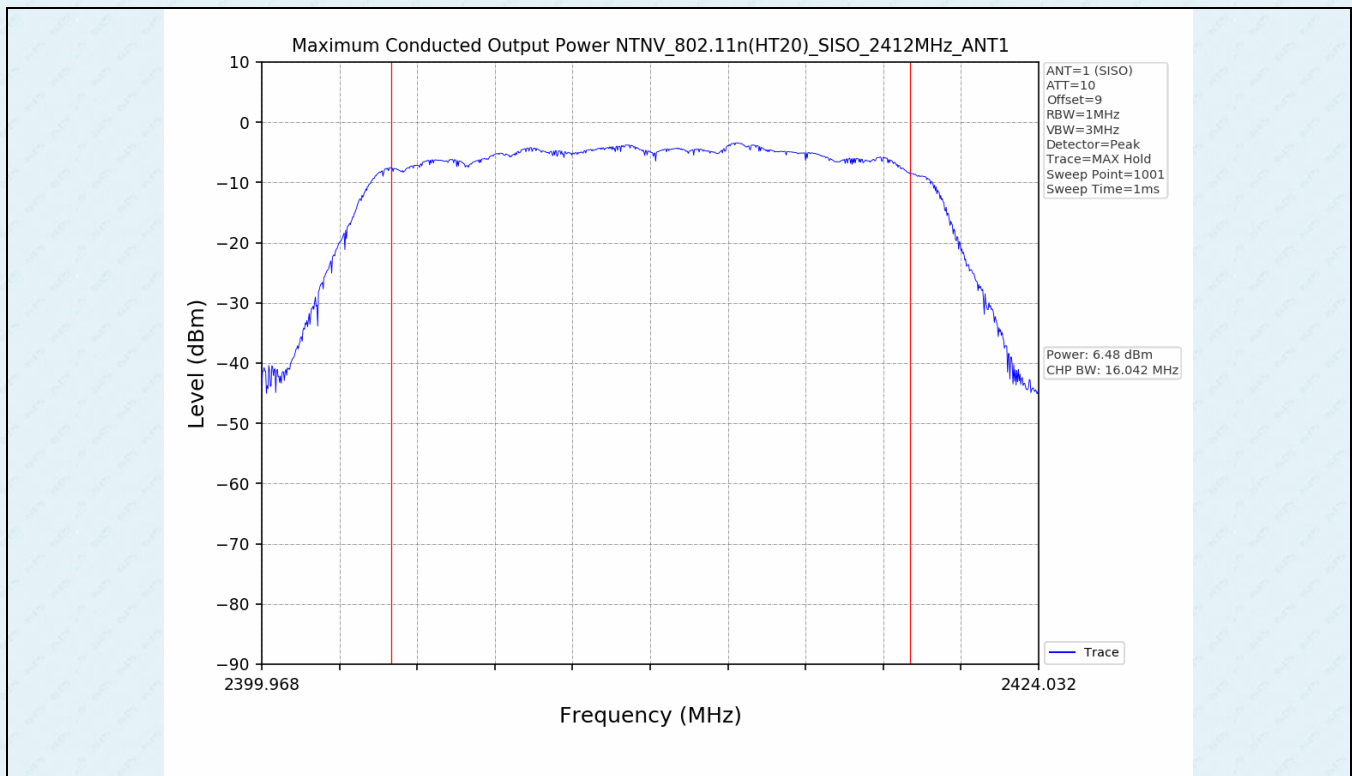
| Test Mode     | Frequency (MHz) | Tx Type | Measured Peak Output Power (dBm) | Limits (dBm) | Verdict |
|---------------|-----------------|---------|----------------------------------|--------------|---------|
|               |                 |         | Ant 1                            |              |         |
| 802.11b       | 2412            | SISO    | 7.56                             | 30           | PASS    |
|               | 2437            | SISO    | 8.10                             | 30           | PASS    |
|               | 2462            | SISO    | 7.52                             | 30           | PASS    |
| 802.11g       | 2412            | SISO    | 7.63                             | 30           | PASS    |
|               | 2437            | SISO    | 8.43                             | 30           | PASS    |
|               | 2462            | SISO    | 8.44                             | 30           | PASS    |
| 802.11n(HT20) | 2412            | SISO    | 6.48                             | 30           | PASS    |
|               | 2437            | SISO    | 7.25                             | 30           | PASS    |
|               | 2462            | SISO    | 7.93                             | 30           | PASS    |
| 802.11n(HT40) | 2422            | SISO    | 6.78                             | 30           | PASS    |
|               | 2437            | SISO    | 7.17                             | 30           | PASS    |
|               | 2452            | SISO    | 7.57                             | 30           | PASS    |

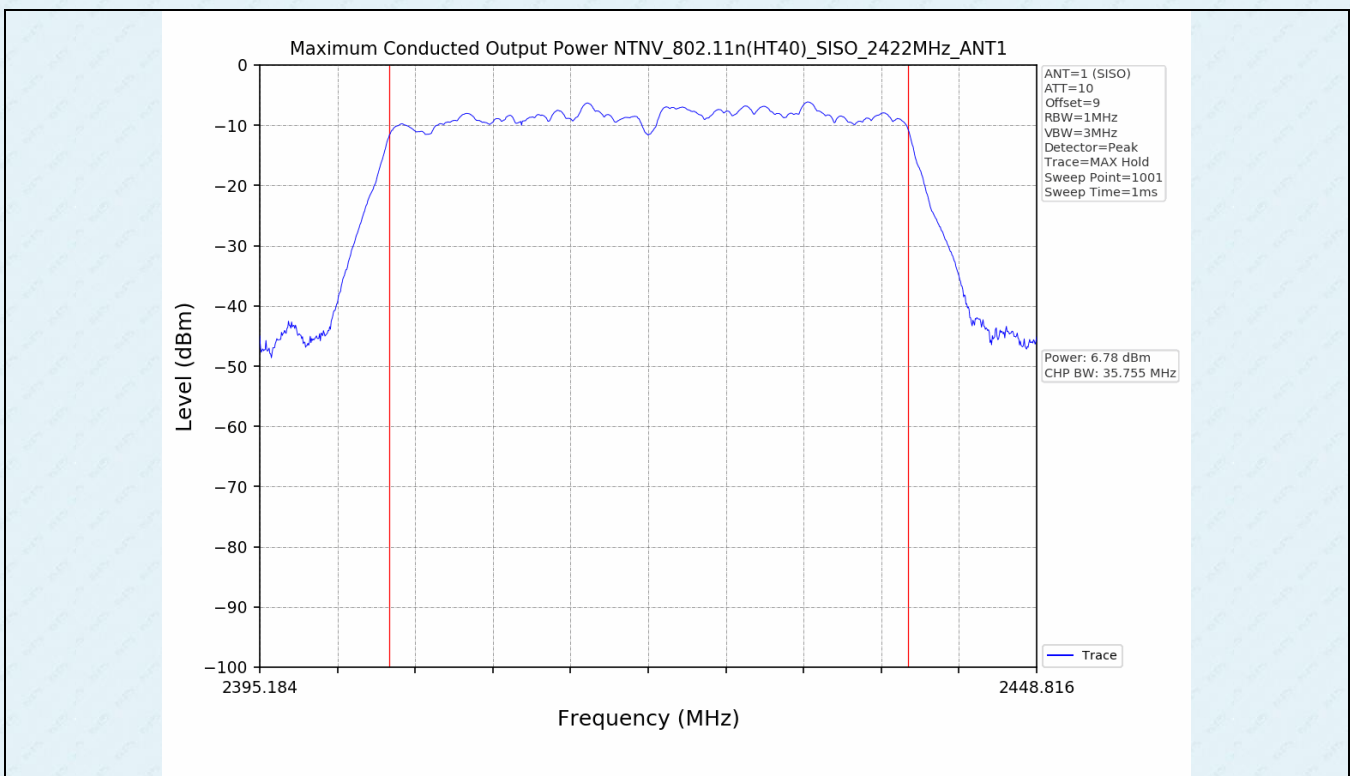
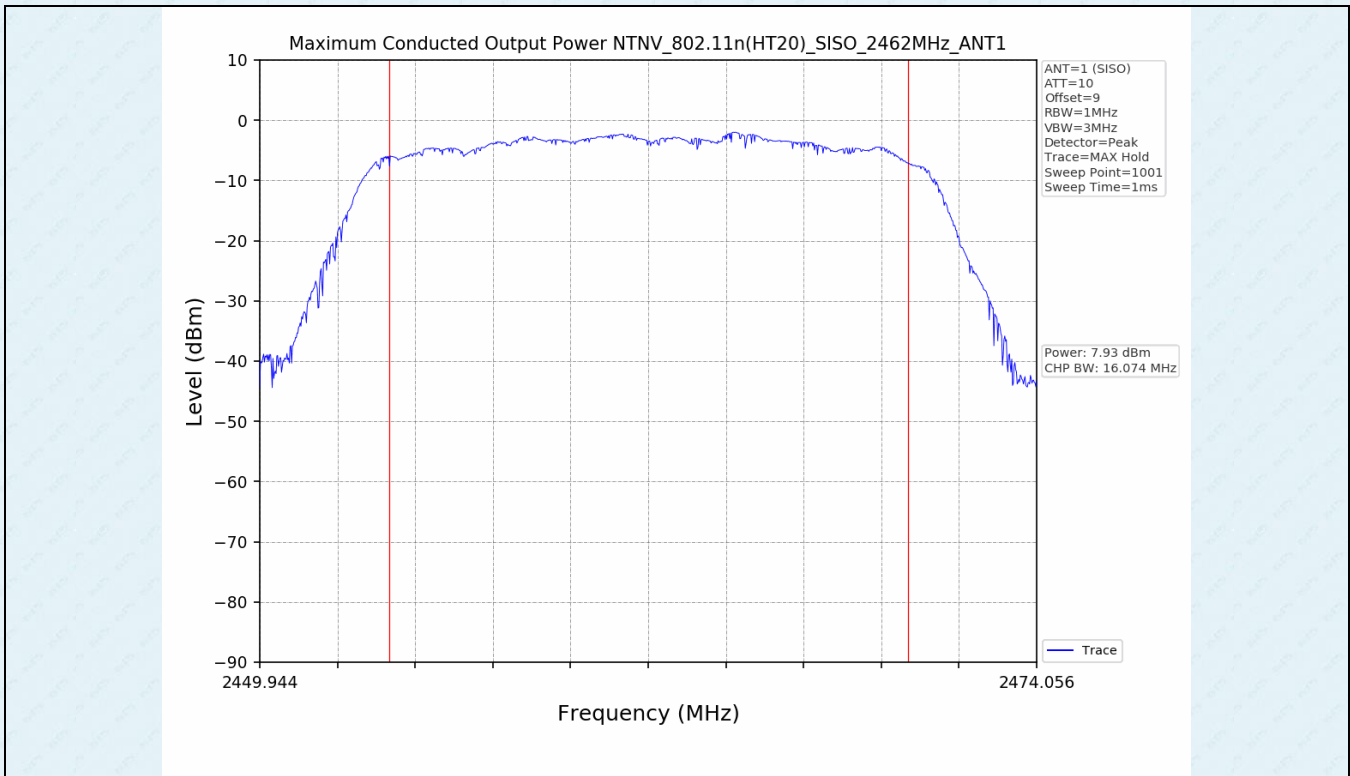
## 2.2 Test Graph

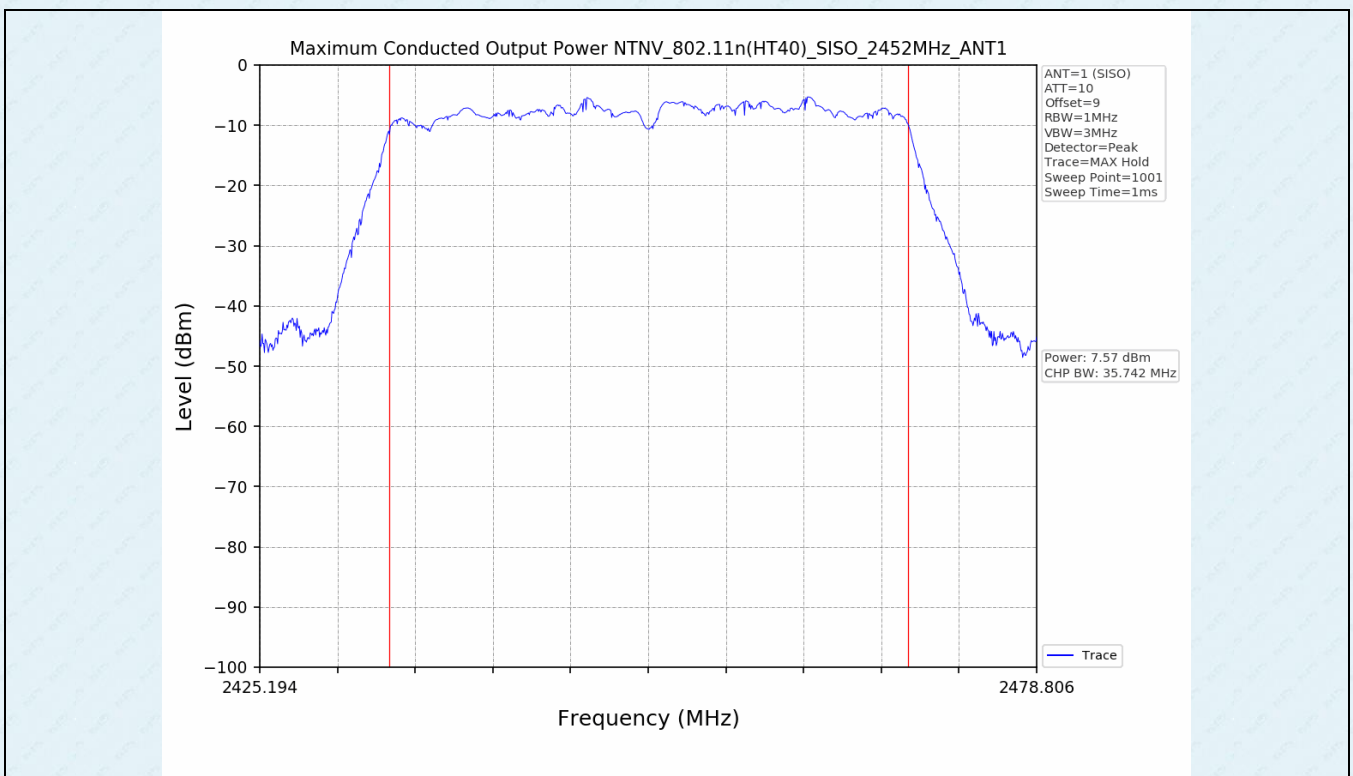
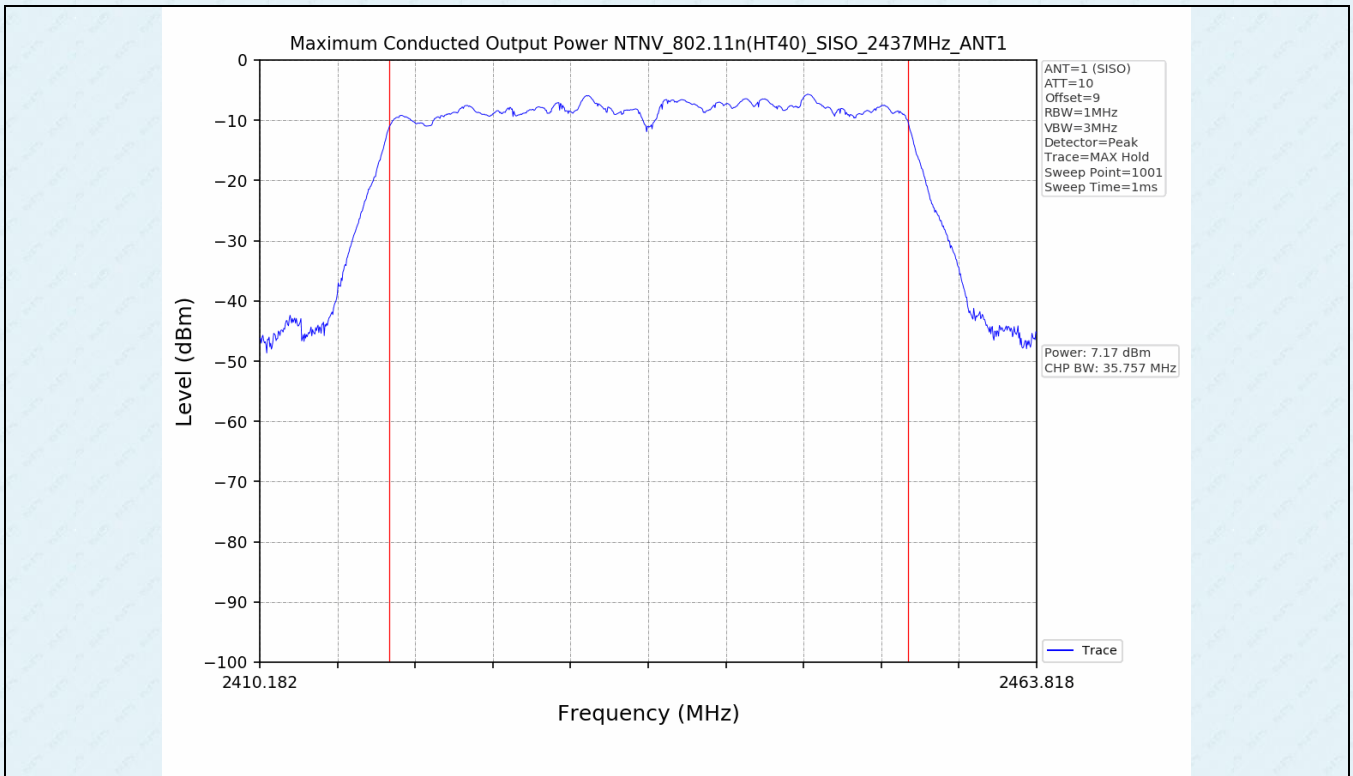










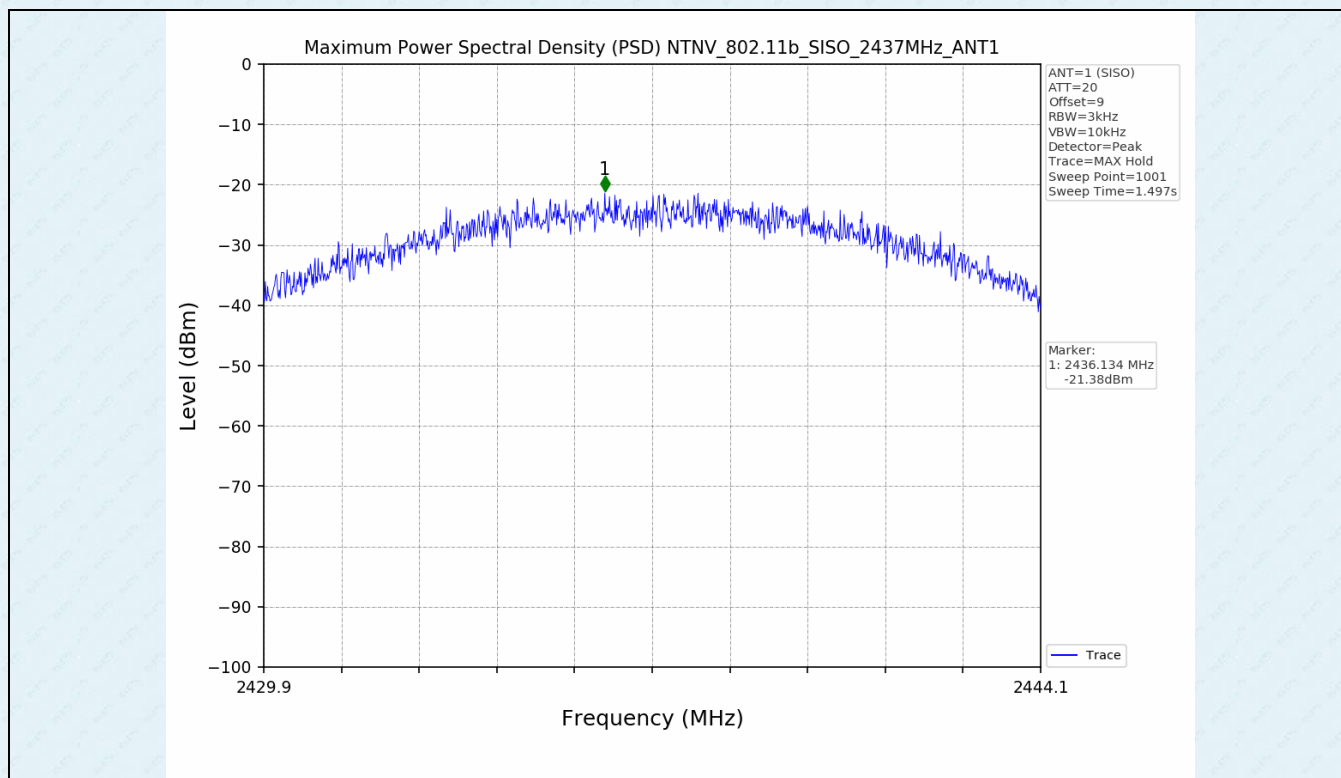
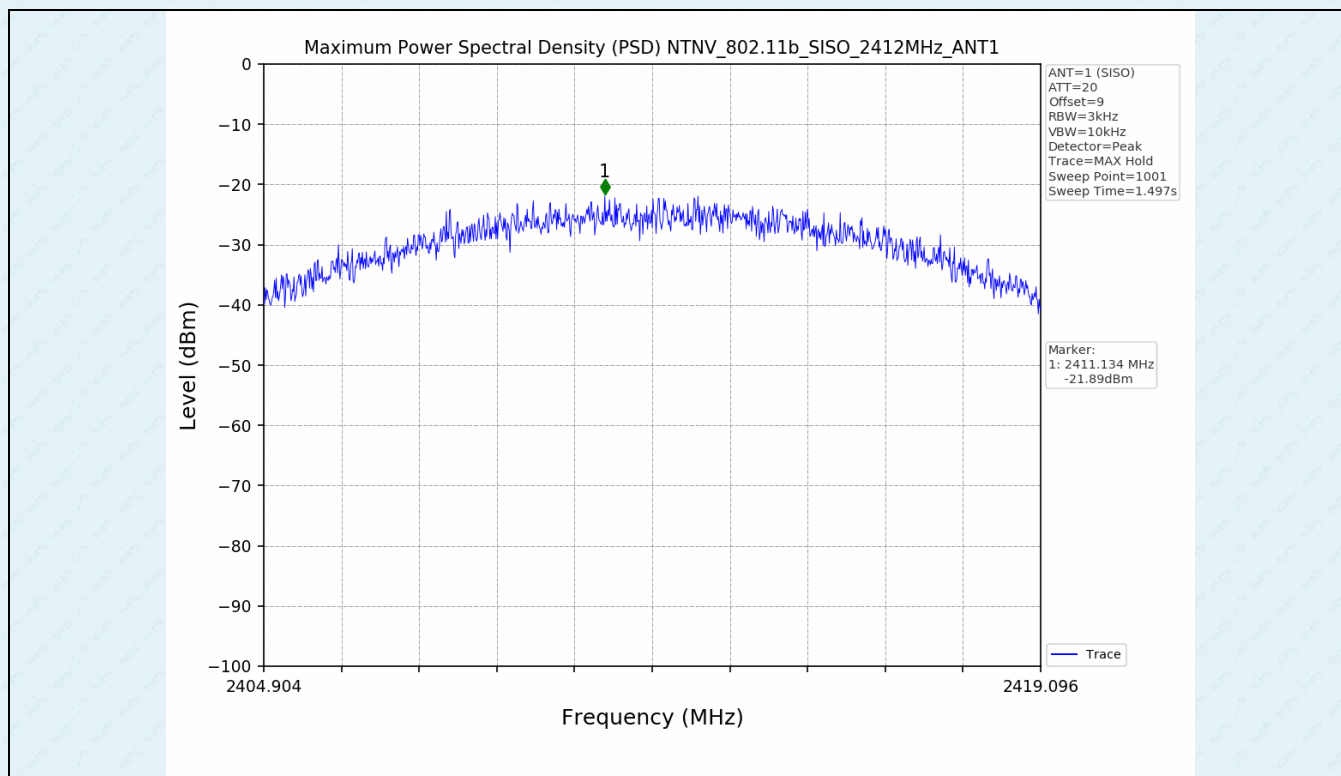


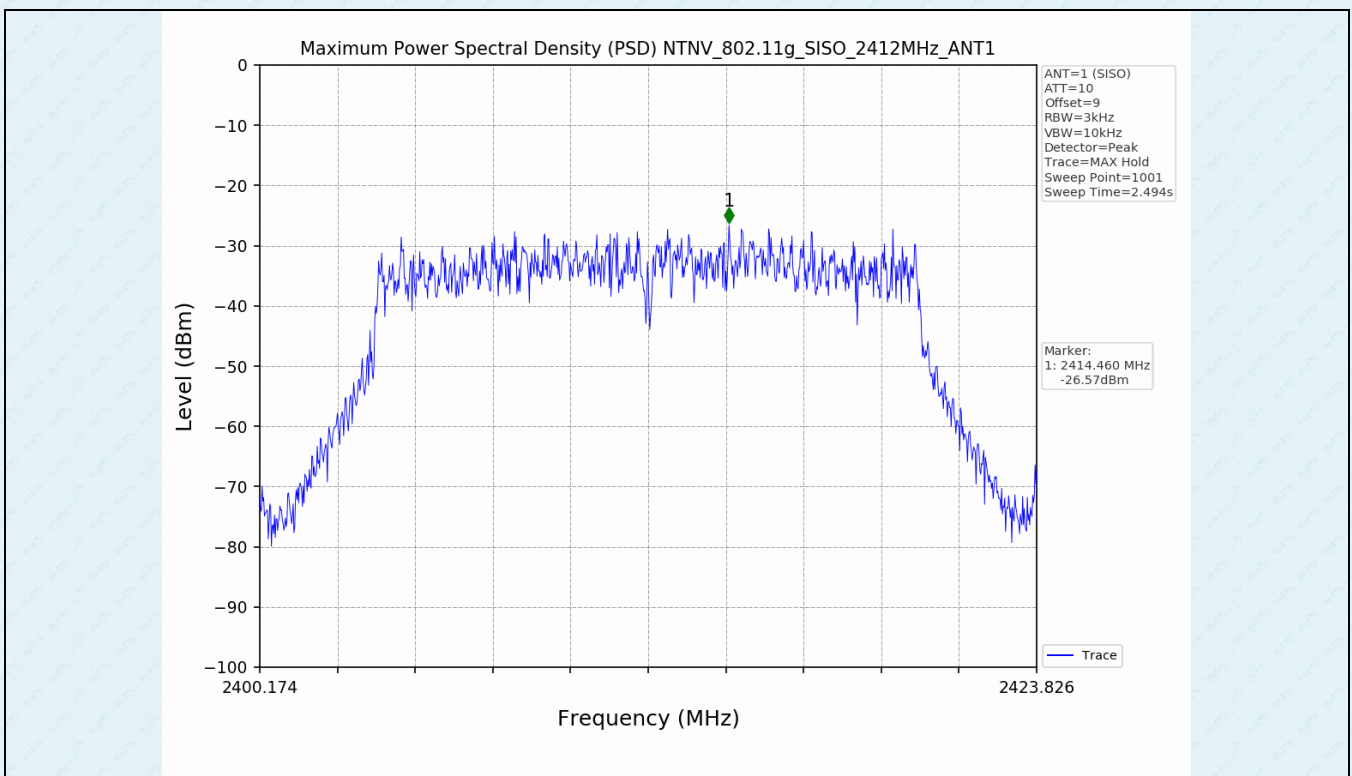
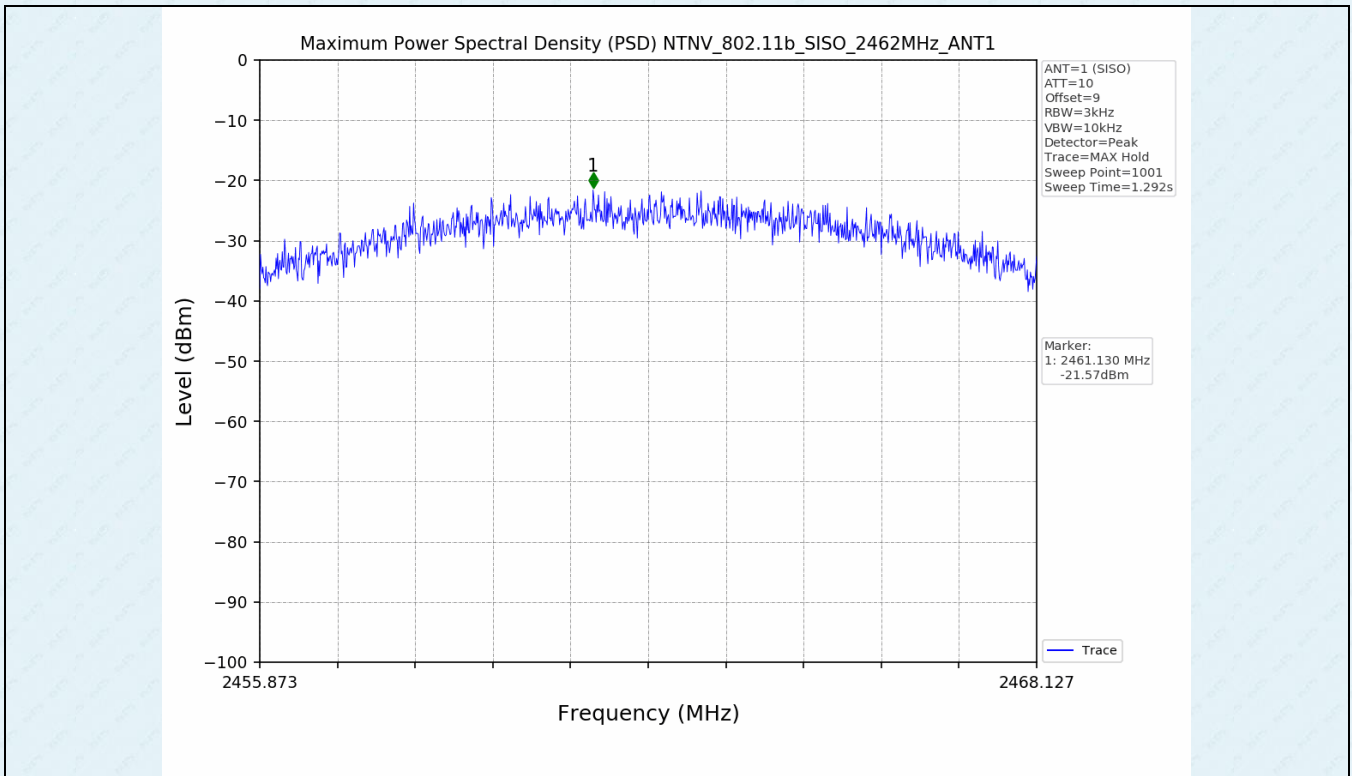
## 3. Maximum Power Spectral Density (PSD)

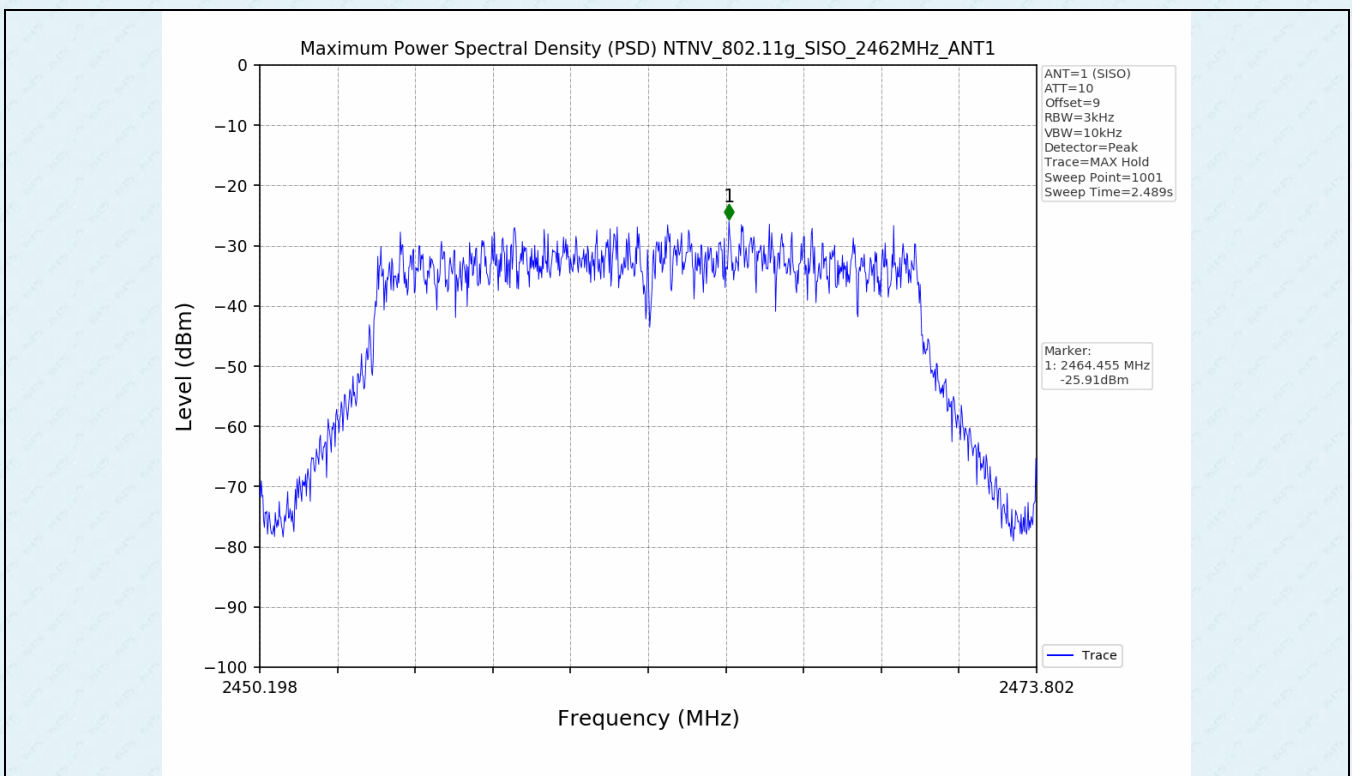
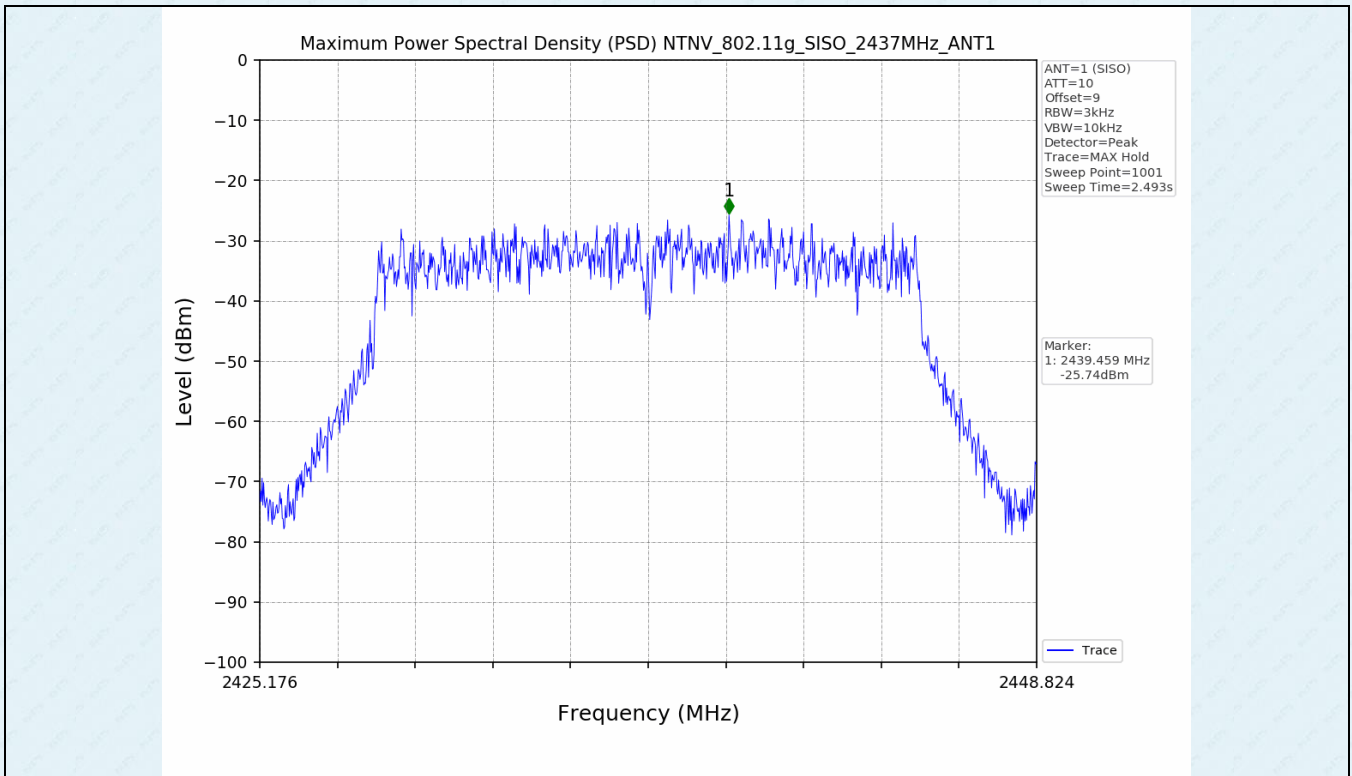
### 3.1 Test Result

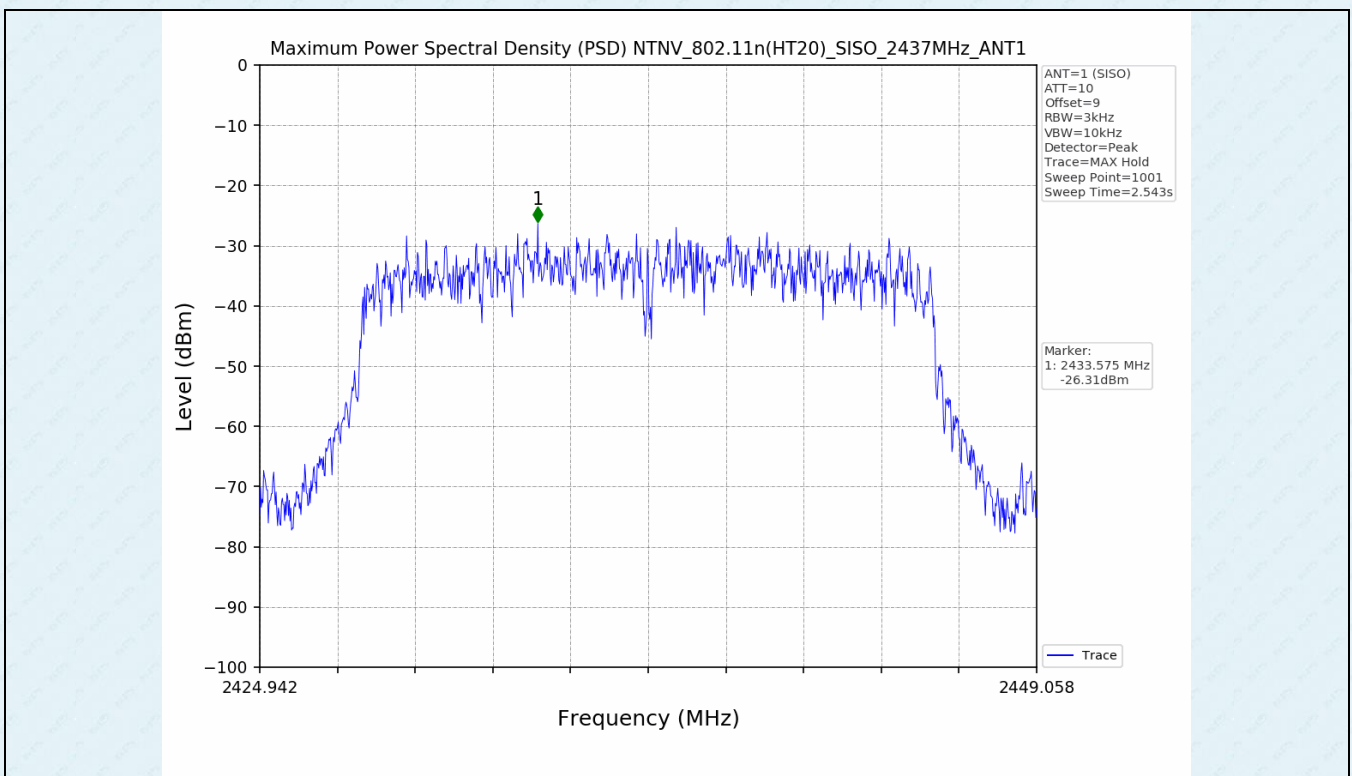
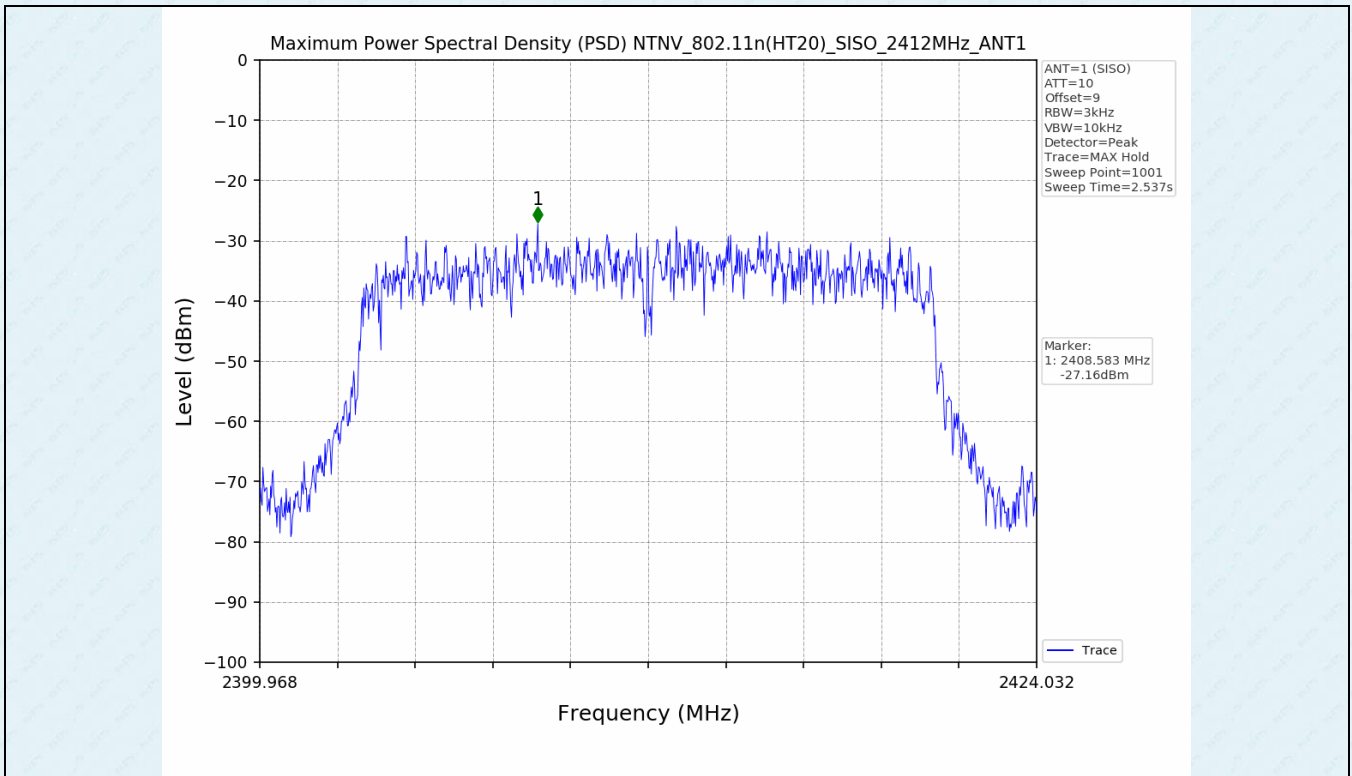
| Test Mode     | Frequency (MHz) | Tx Type | Maximum Power Spectral Density (dBm/3KHz) | Limits (dBm/3kHz) | Verdict |
|---------------|-----------------|---------|-------------------------------------------|-------------------|---------|
|               |                 |         | Ant 1                                     |                   |         |
| 802.11b       | 2412            | SISO    | -21.89                                    | ≤8                | PASS    |
|               | 2437            | SISO    | -21.38                                    | ≤8                | PASS    |
|               | 2462            | SISO    | -21.57                                    | ≤8                | PASS    |
| 802.11g       | 2412            | SISO    | -26.57                                    | ≤8                | PASS    |
|               | 2437            | SISO    | -25.74                                    | ≤8                | PASS    |
|               | 2462            | SISO    | -25.91                                    | ≤8                | PASS    |
| 802.11n(HT20) | 2412            | SISO    | -27.16                                    | ≤8                | PASS    |
|               | 2437            | SISO    | -26.31                                    | ≤8                | PASS    |
|               | 2462            | SISO    | -25.52                                    | ≤8                | PASS    |
| 802.11n(HT40) | 2422            | SISO    | -30.42                                    | ≤8                | PASS    |
|               | 2437            | SISO    | -30.01                                    | ≤8                | PASS    |
|               | 2452            | SISO    | -29.63                                    | ≤8                | PASS    |

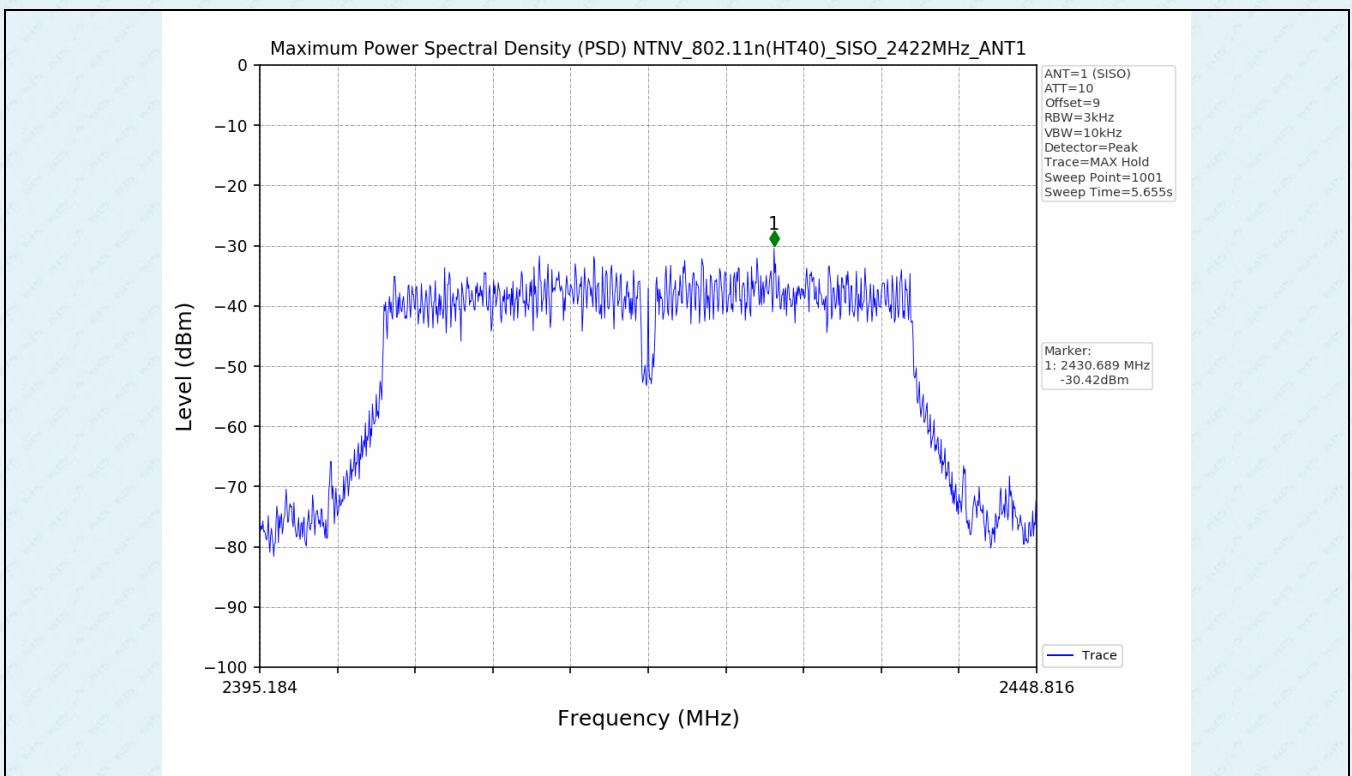
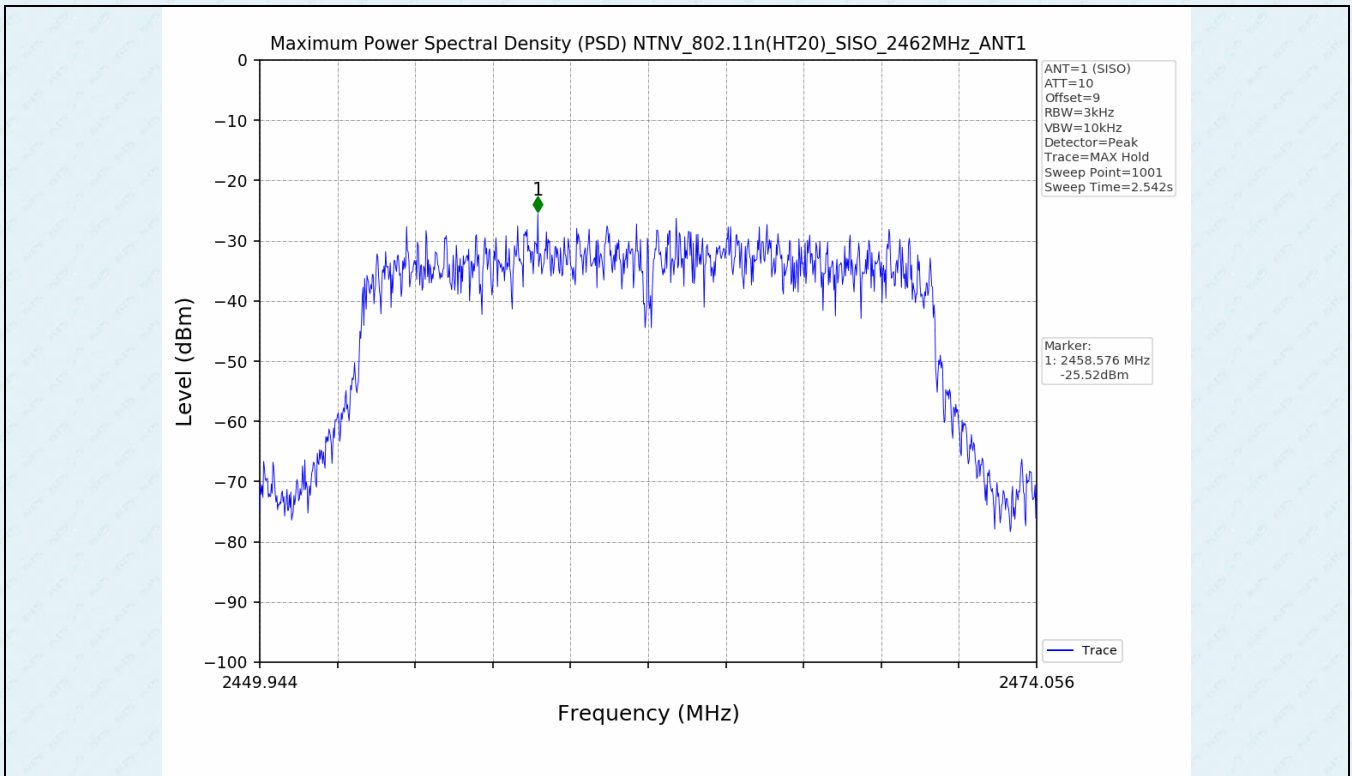
## 3.2 Test Graph

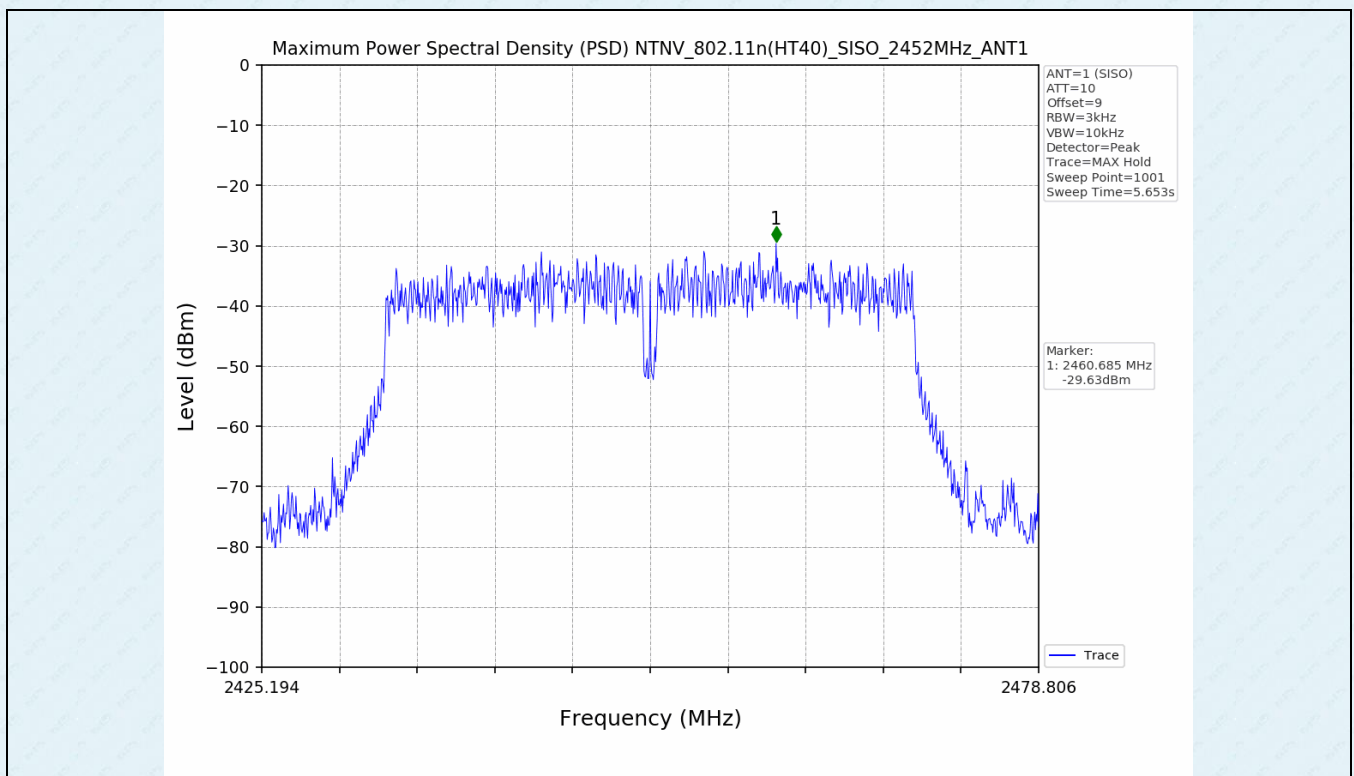
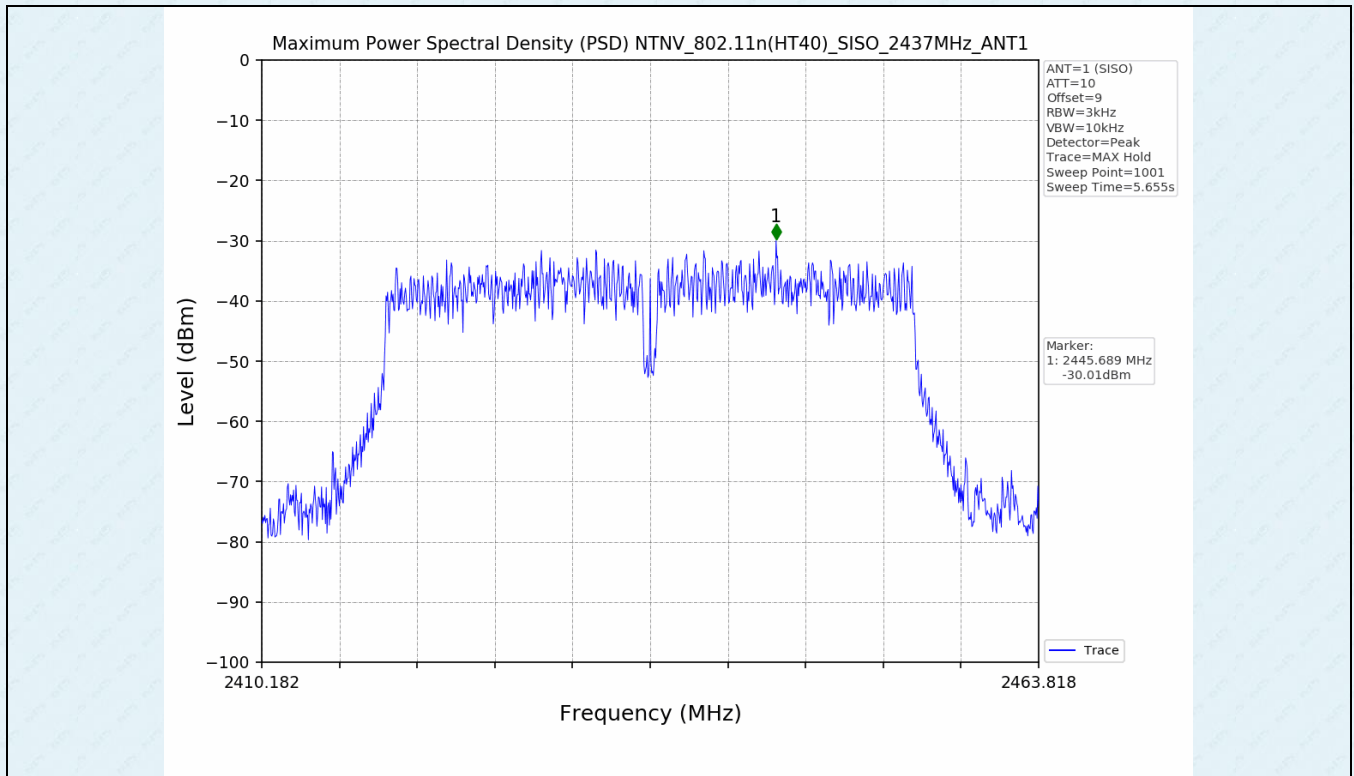










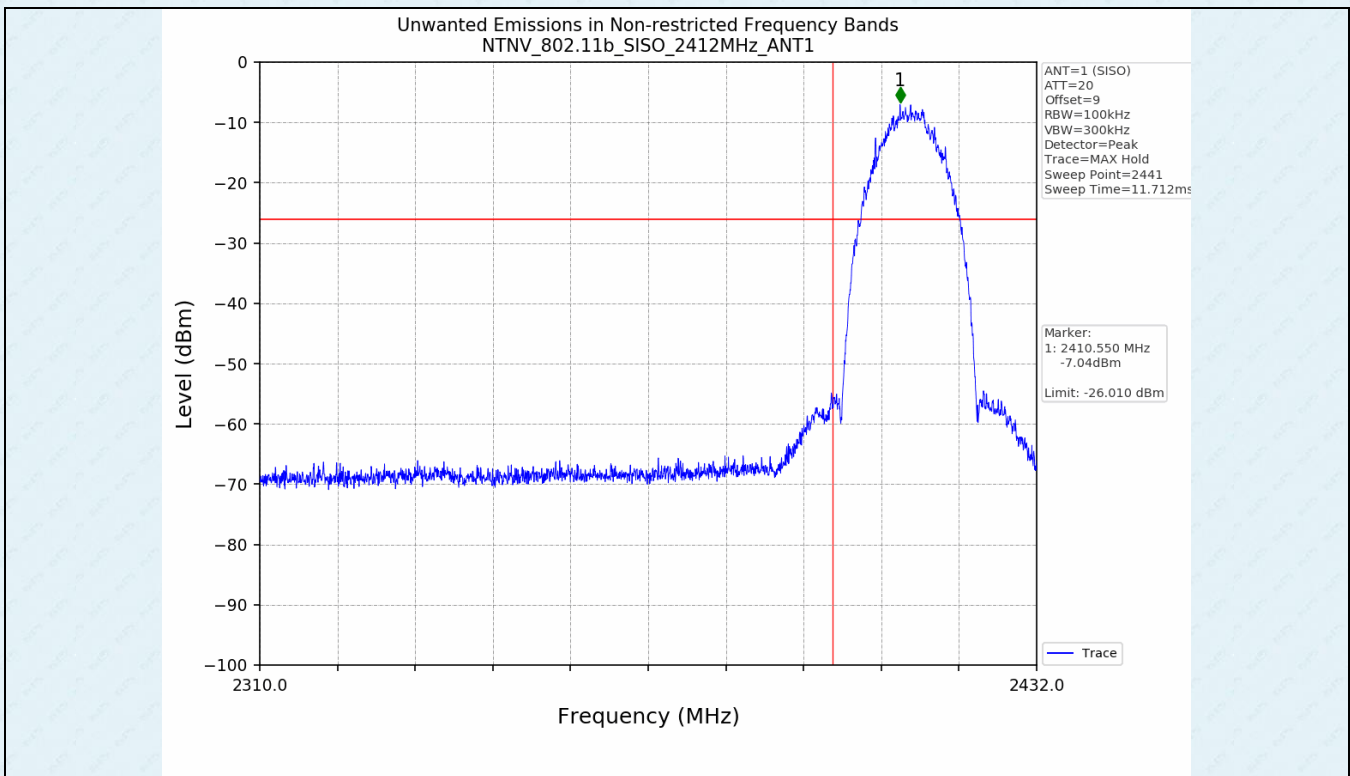
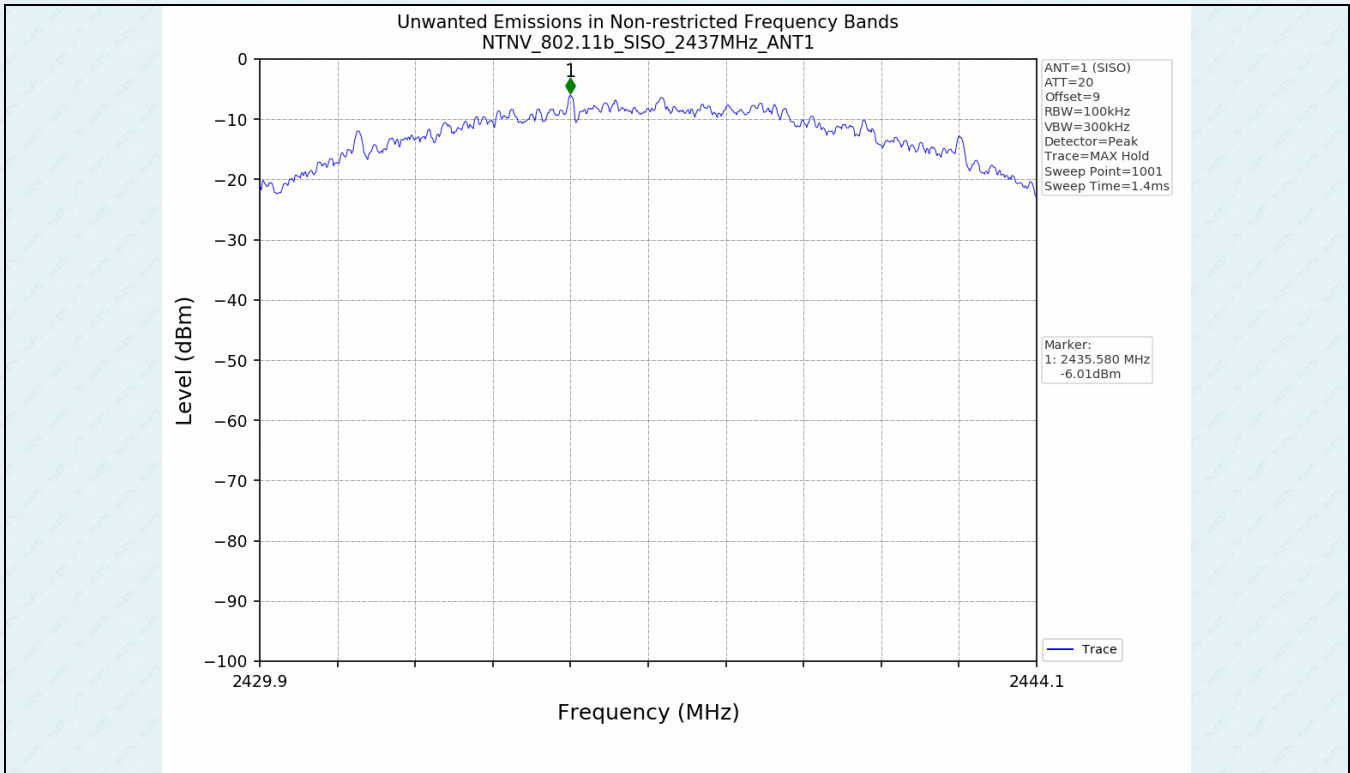


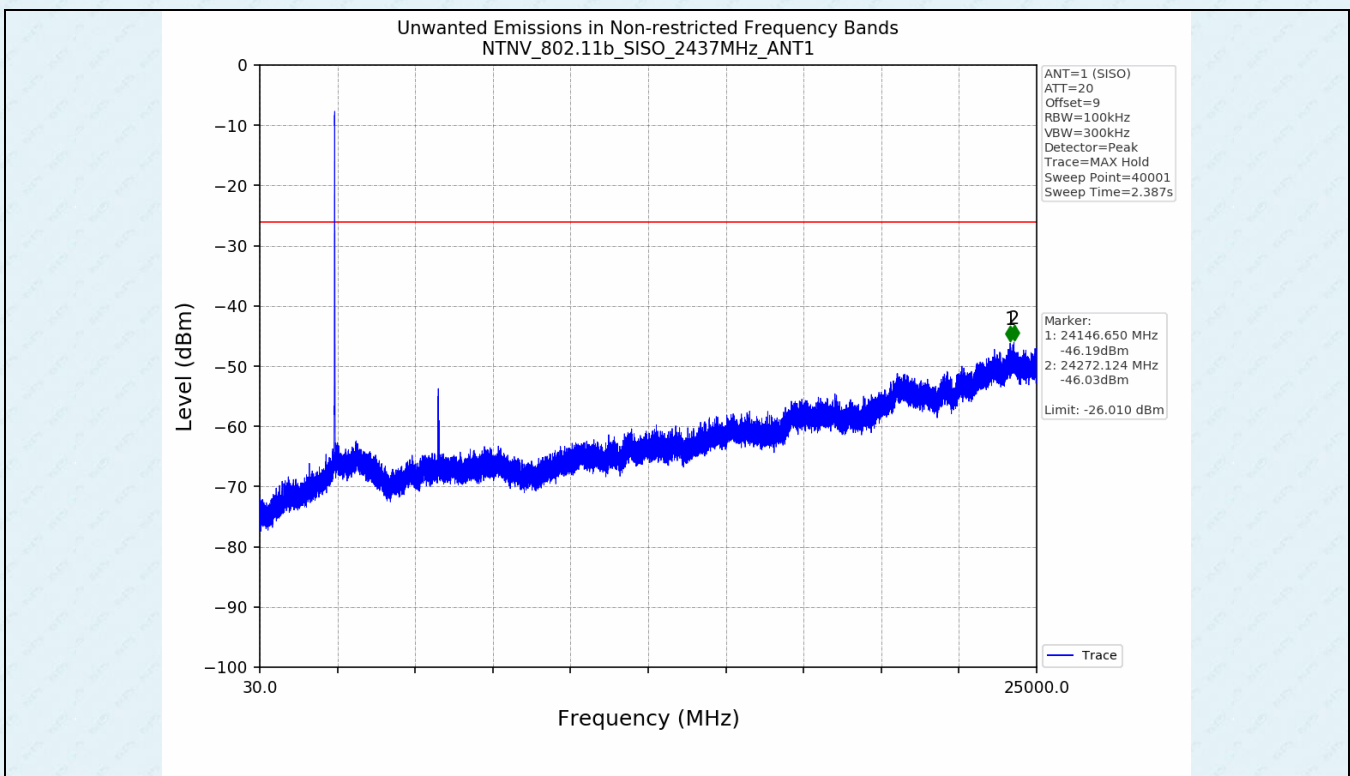
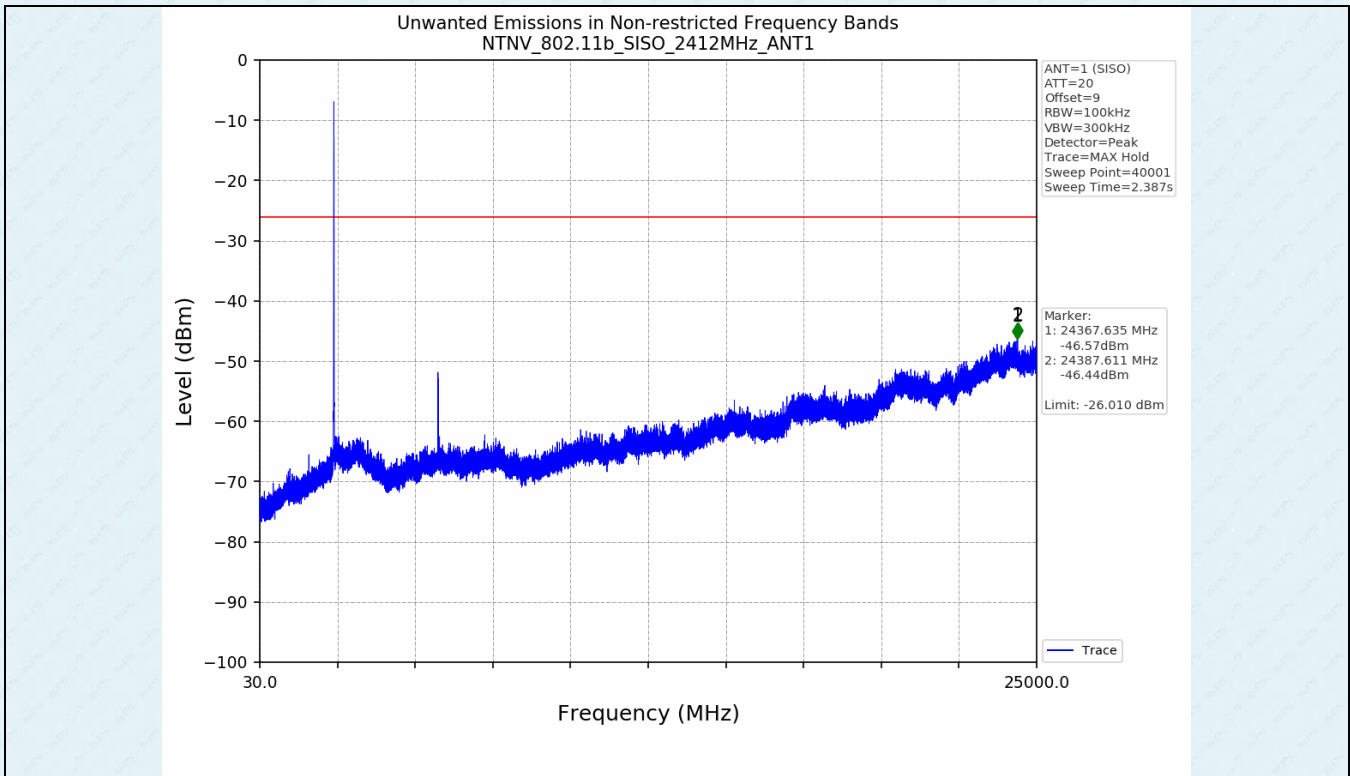
## 4. Unwanted Emissions in Non-restricted Frequency Bands

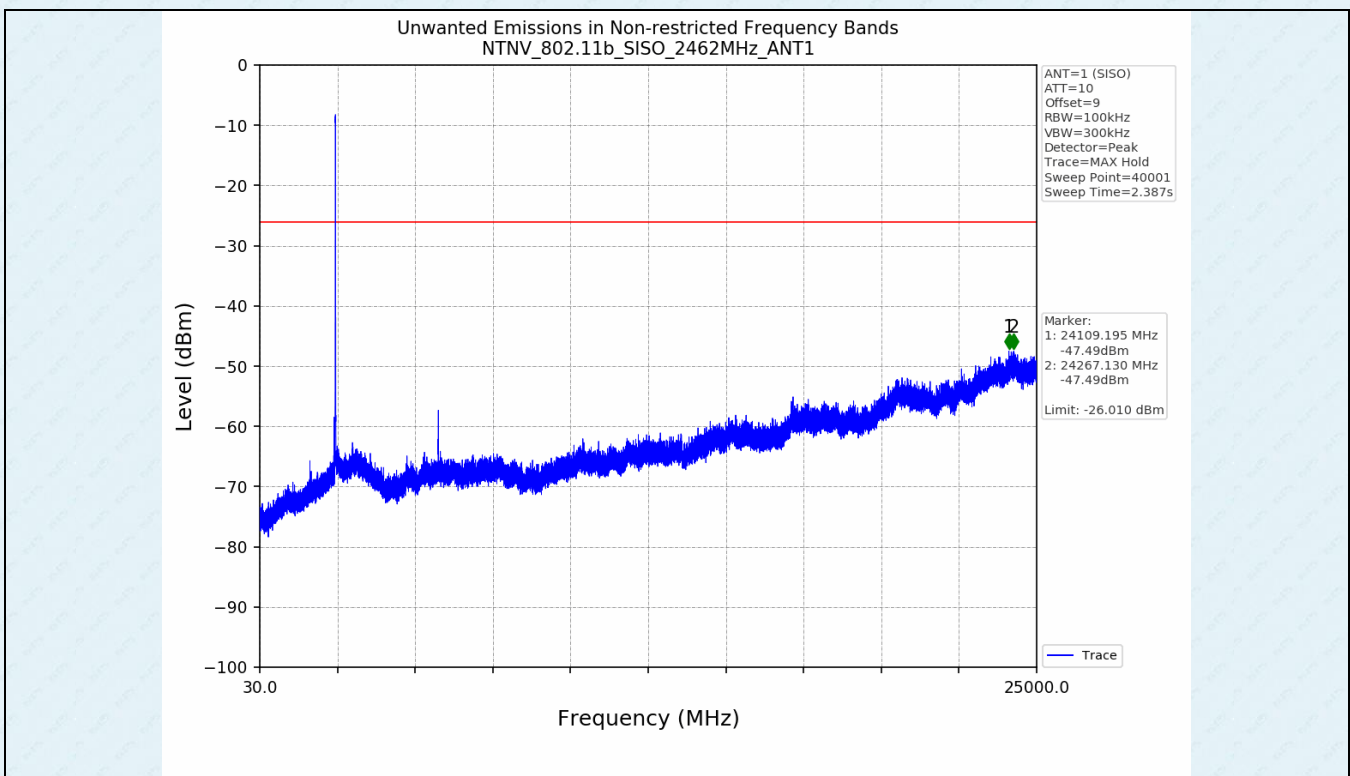
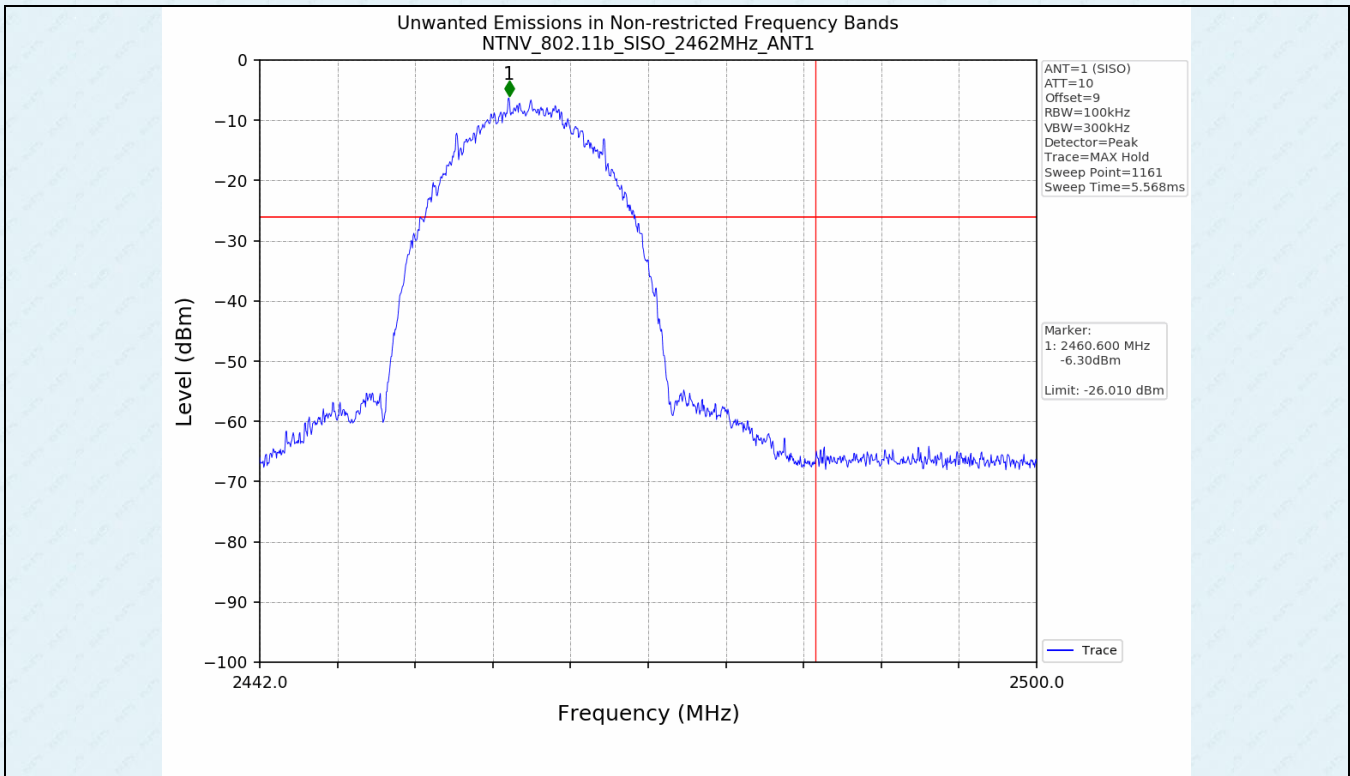
### 4.1 Test Result

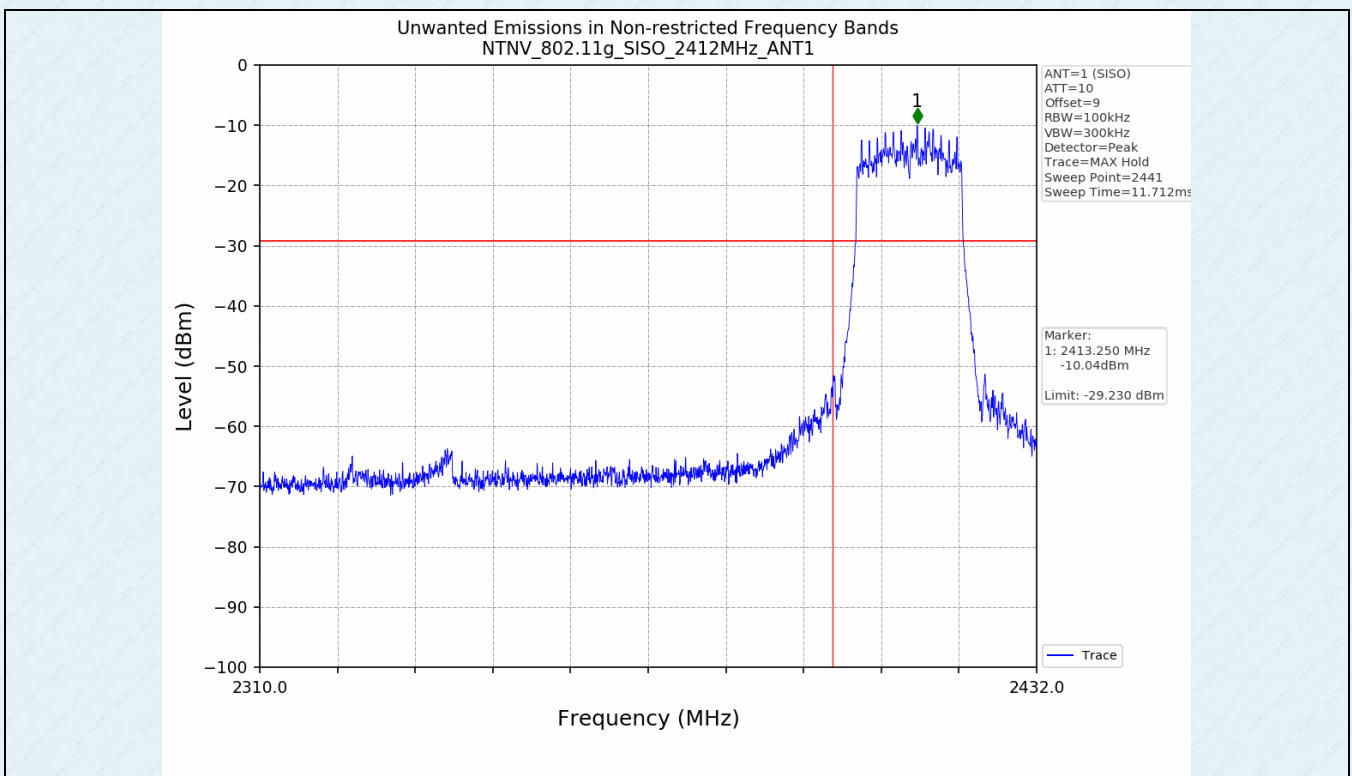
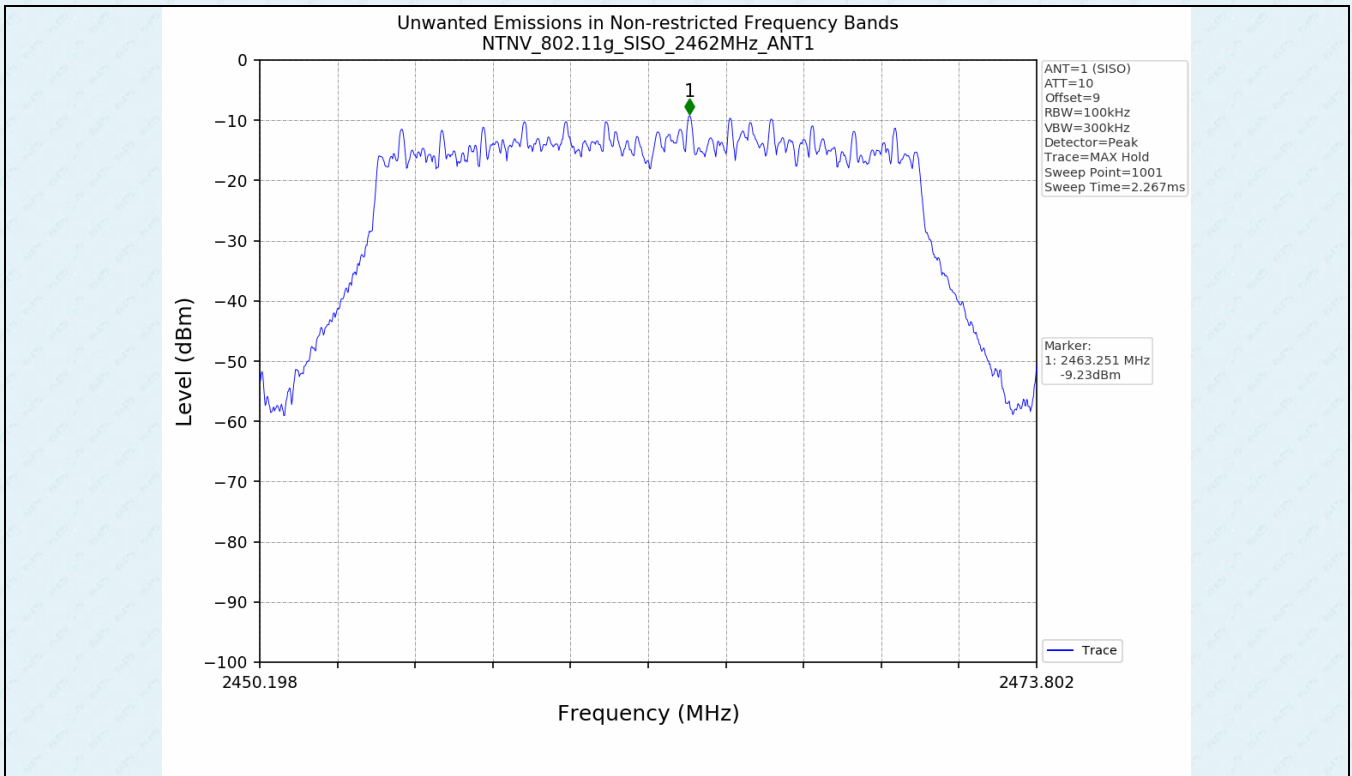
| Test Mode     | Frequency (MHz) | TX Type | ANT No. | Spurious Conducted Emission (dBm) | Limits (dBm) | Verdict |
|---------------|-----------------|---------|---------|-----------------------------------|--------------|---------|
| 802.11b       | 2412            | SISO    | 1       | Refer to test graph               | -26.01       | PASS    |
|               | 2437            | SISO    | 1       | Refer to test graph               | -26.01       | PASS    |
|               | 2462            | SISO    | 1       | Refer to test graph               | -26.01       | PASS    |
| 802.11g       | 2412            | SISO    | 1       | Refer to test graph               | -29.23       | PASS    |
|               | 2437            | SISO    | 1       | Refer to test graph               | -29.23       | PASS    |
|               | 2462            | SISO    | 1       | Refer to test graph               | -29.23       | PASS    |
| 802.11n(HT20) | 2412            | SISO    | 1       | Refer to test graph               | -29.26       | PASS    |
|               | 2437            | SISO    | 1       | Refer to test graph               | -29.26       | PASS    |
|               | 2462            | SISO    | 1       | Refer to test graph               | -29.26       | PASS    |
| 802.11n(HT40) | 2422            | SISO    | 1       | Refer to test graph               | -33.04       | PASS    |
|               | 2437            | SISO    | 1       | Refer to test graph               | -33.04       | PASS    |
|               | 2452            | SISO    | 1       | Refer to test graph               | -33.04       | PASS    |

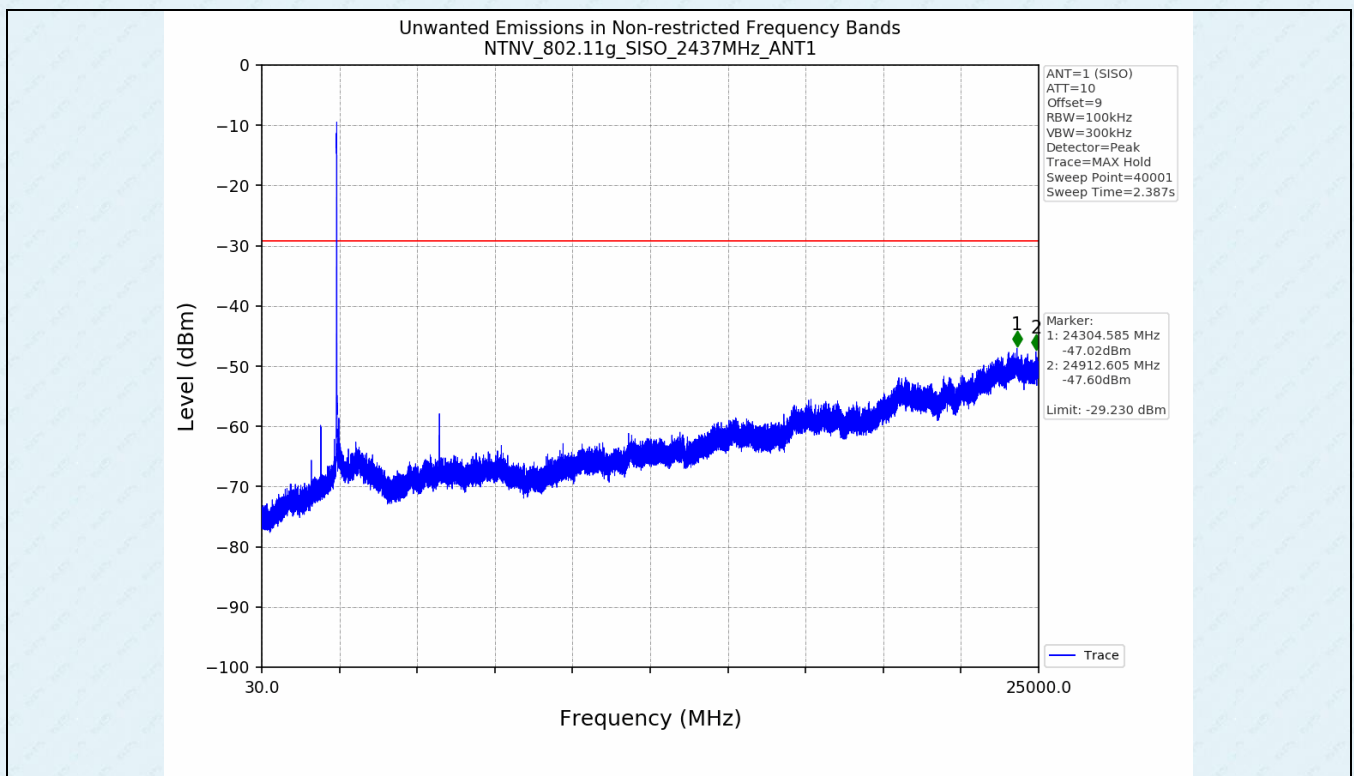
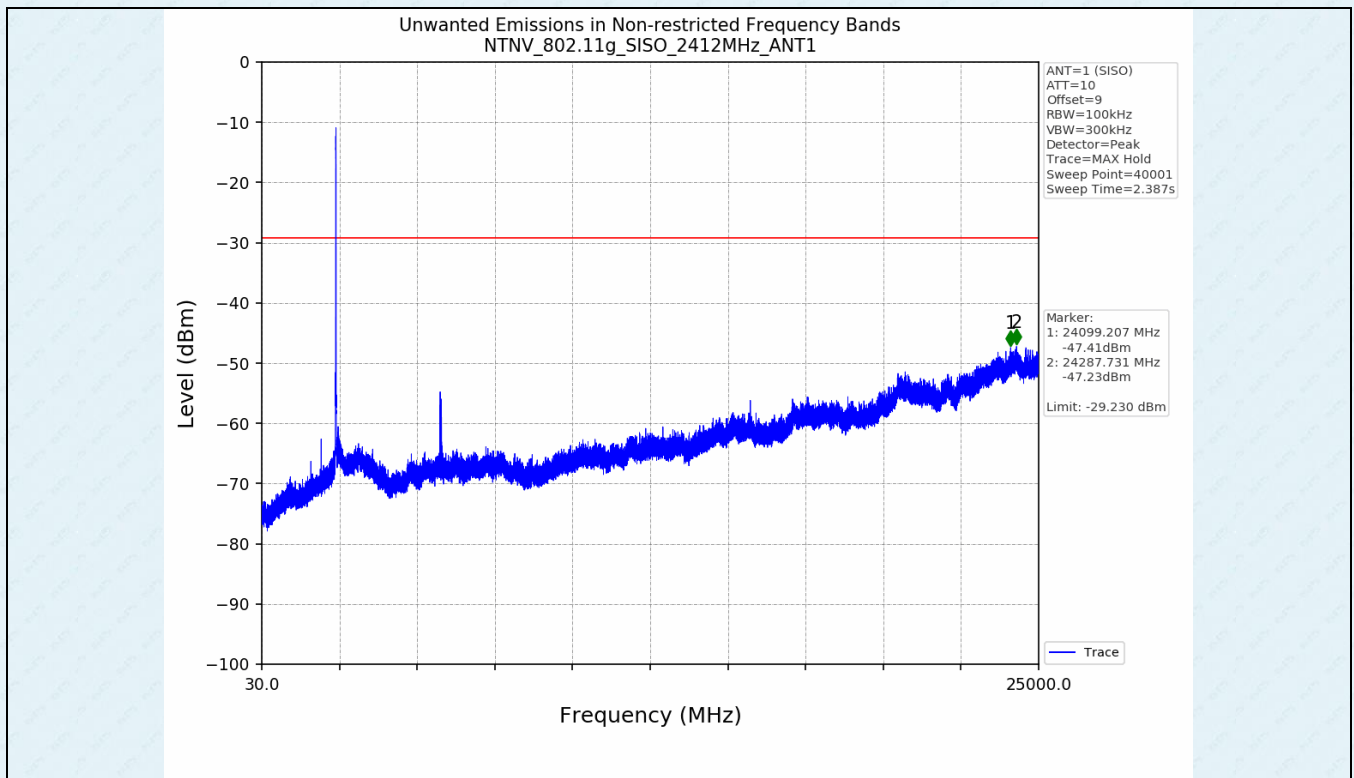
## 4.2 Test Graph

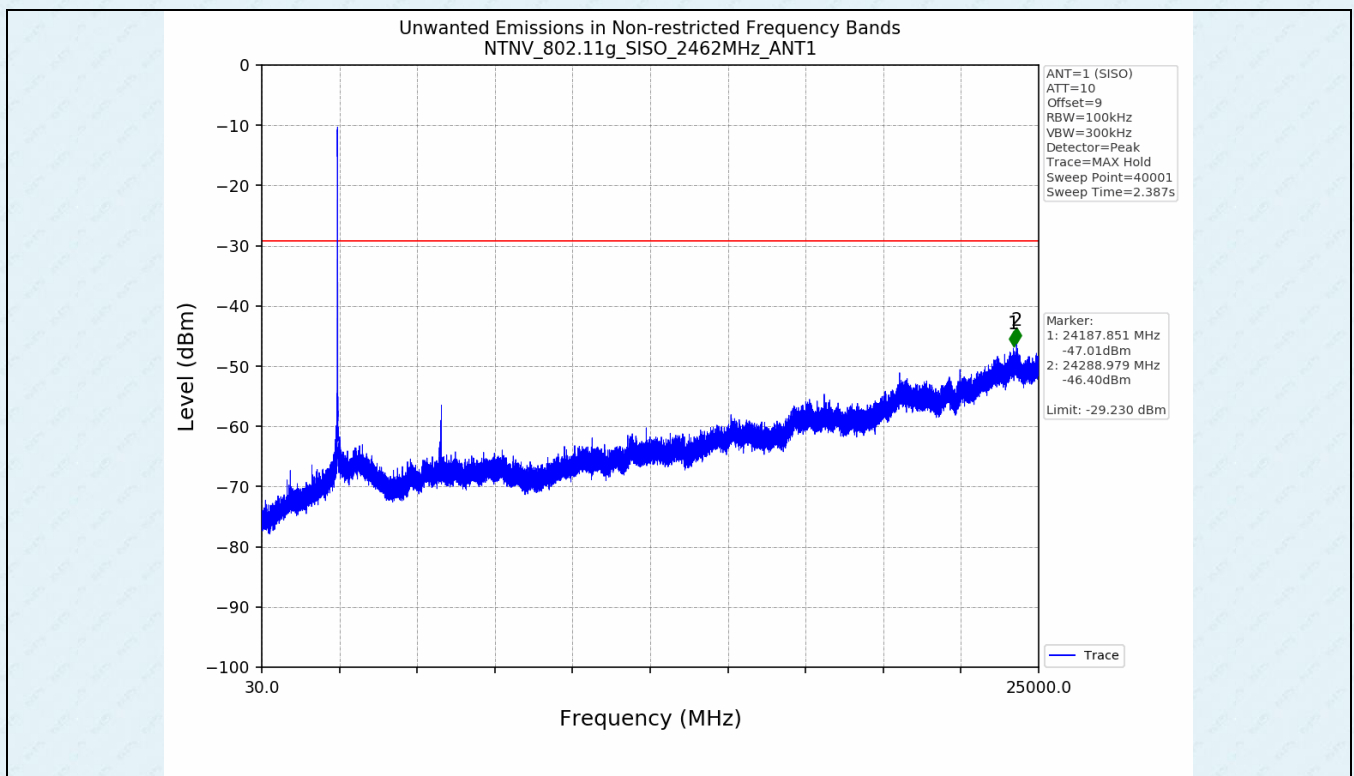
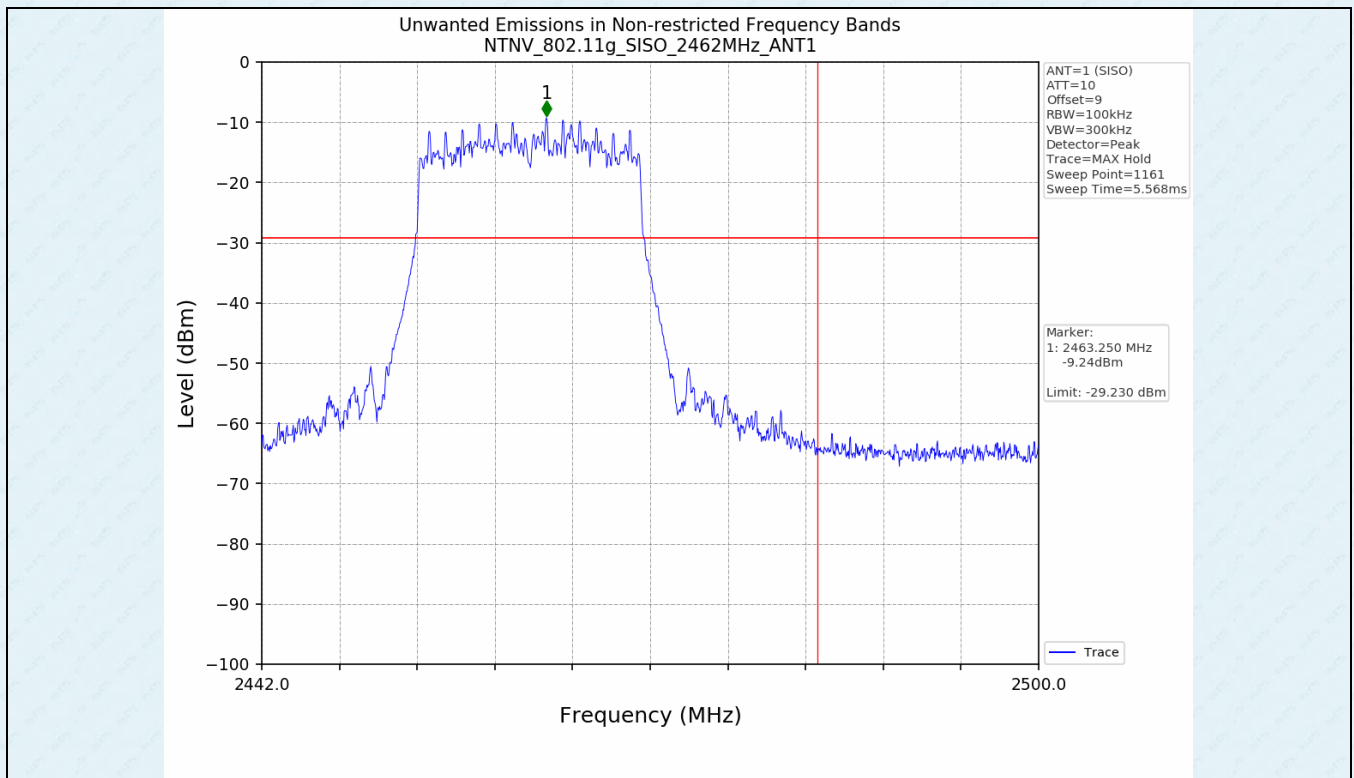


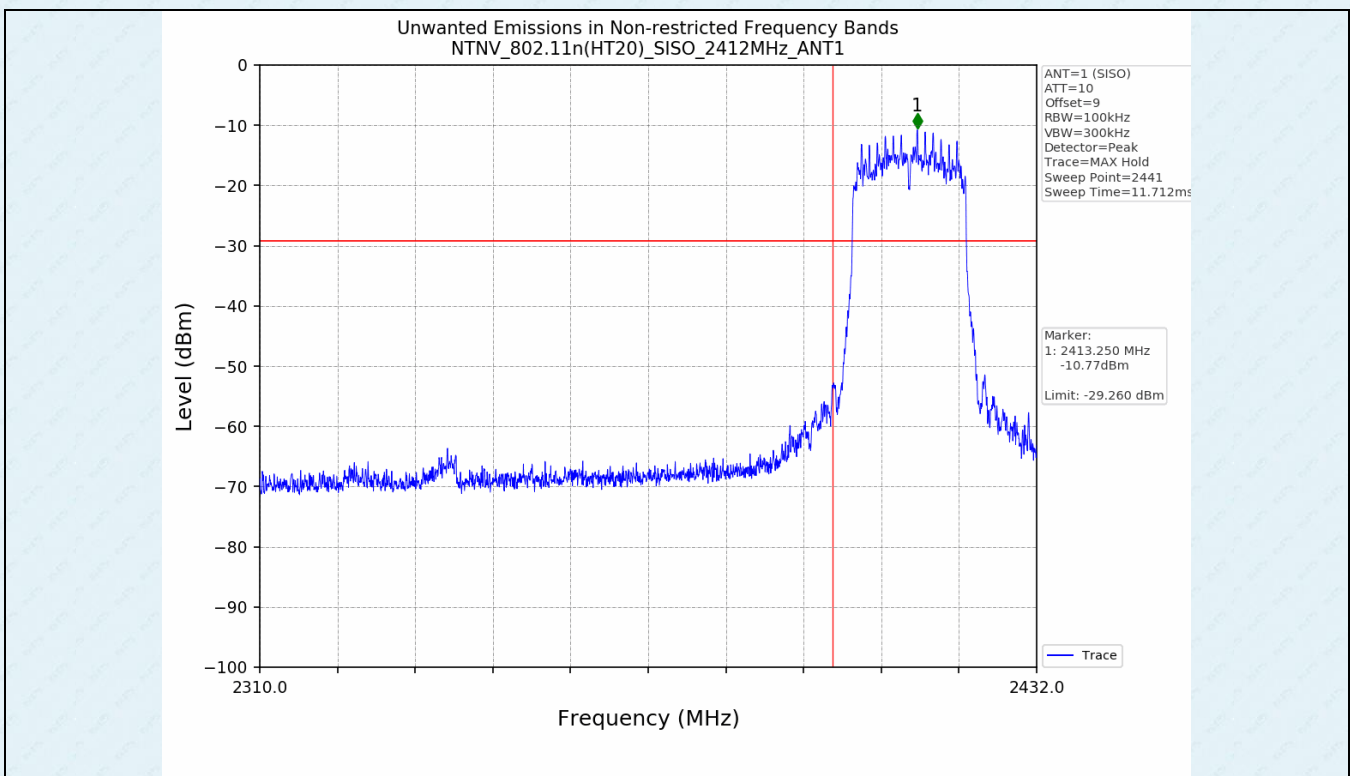
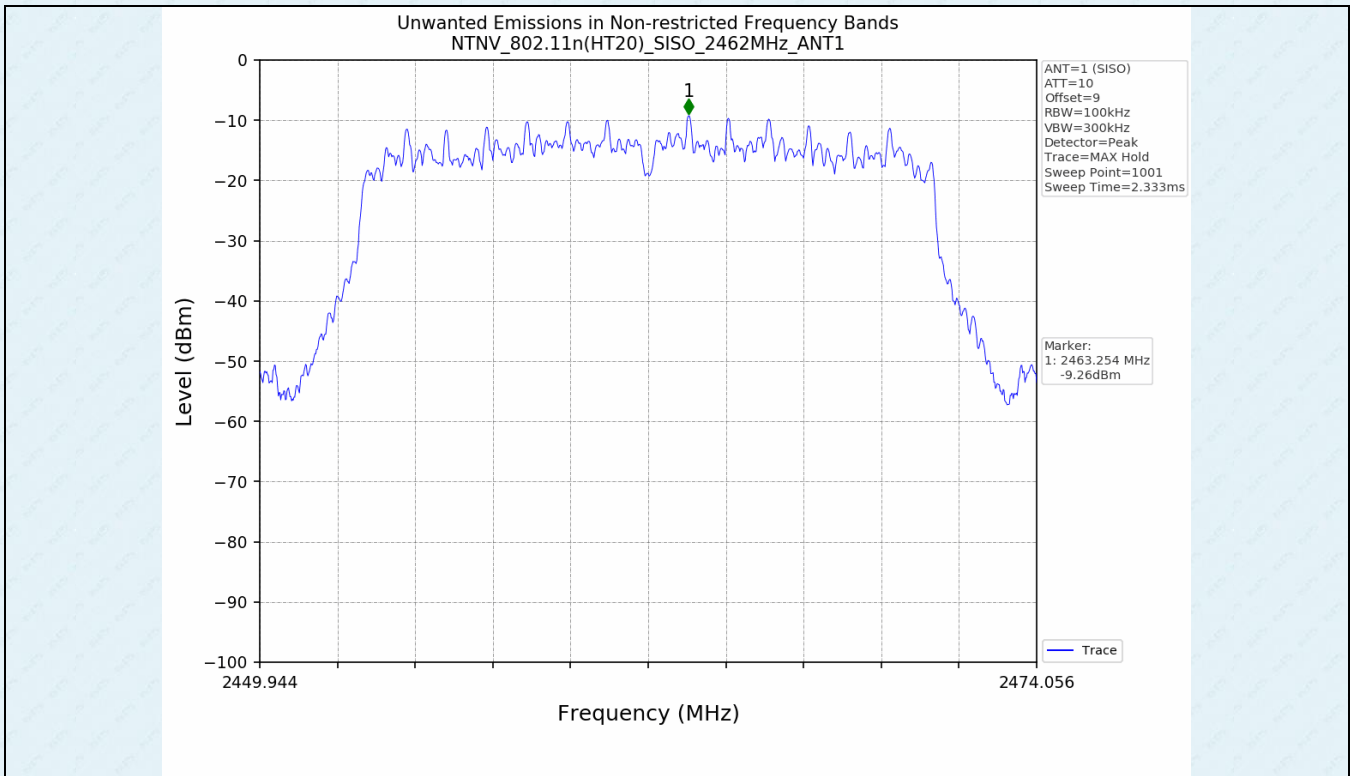


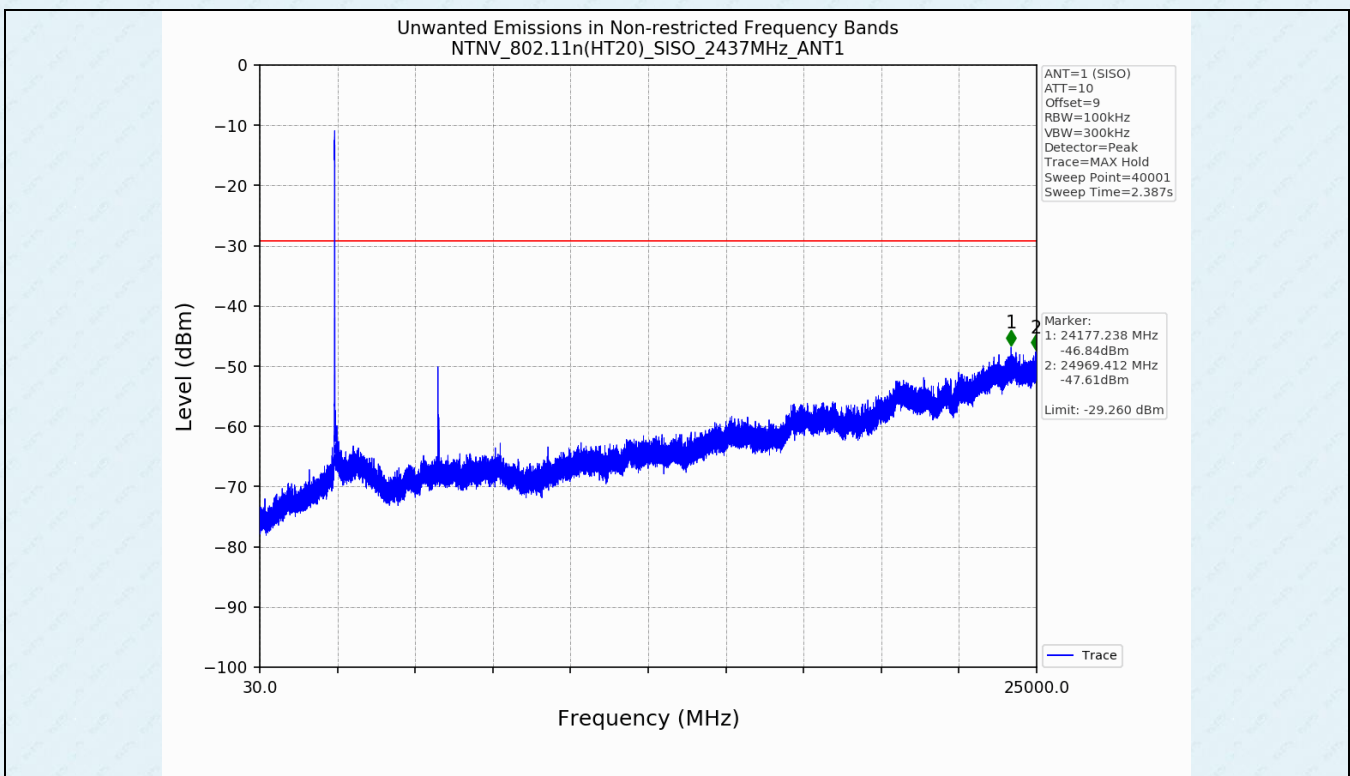
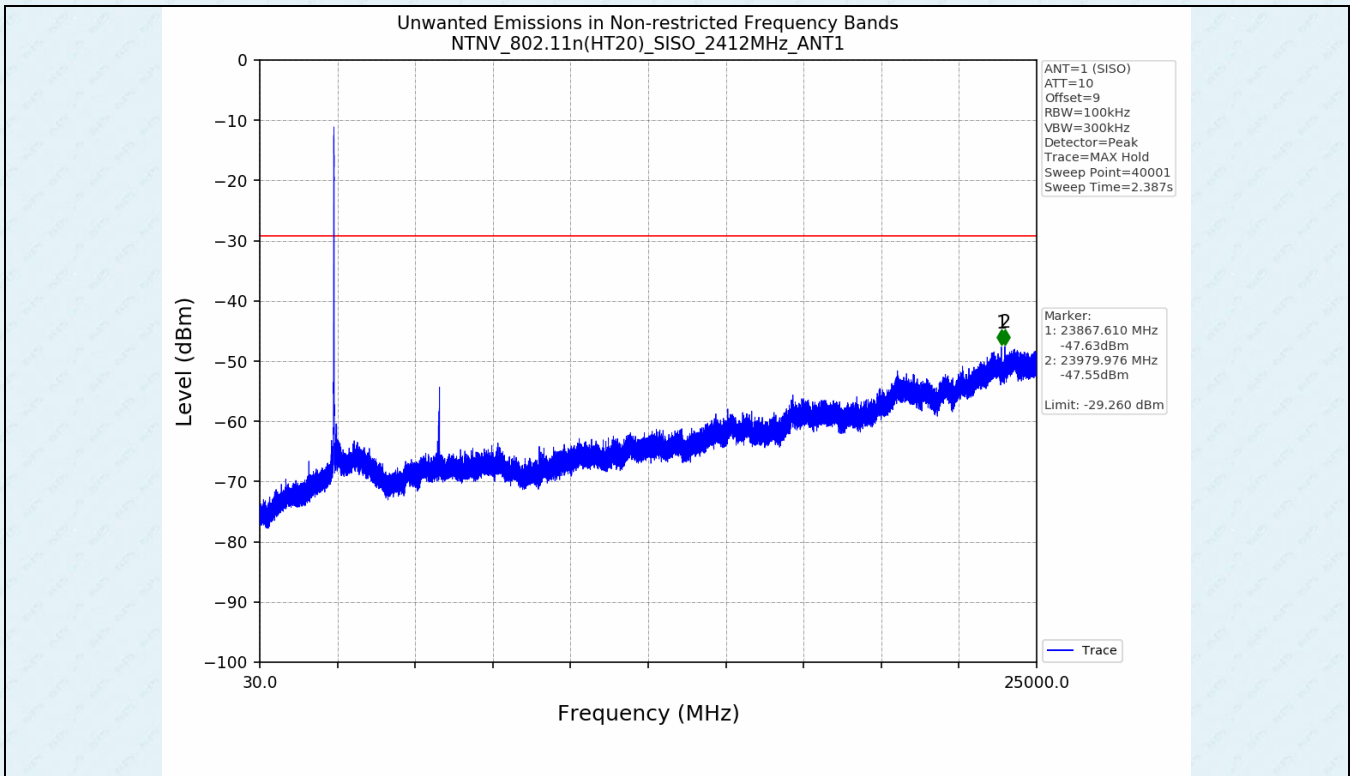


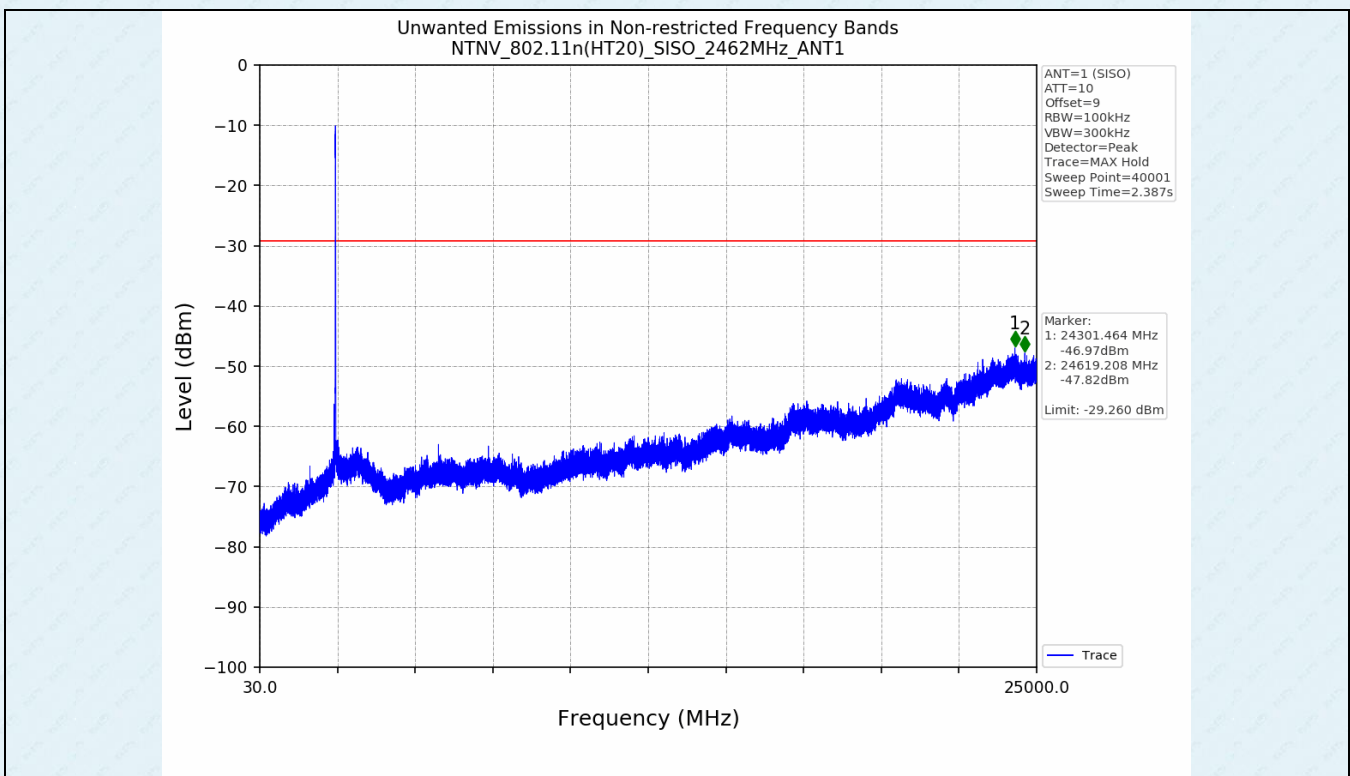
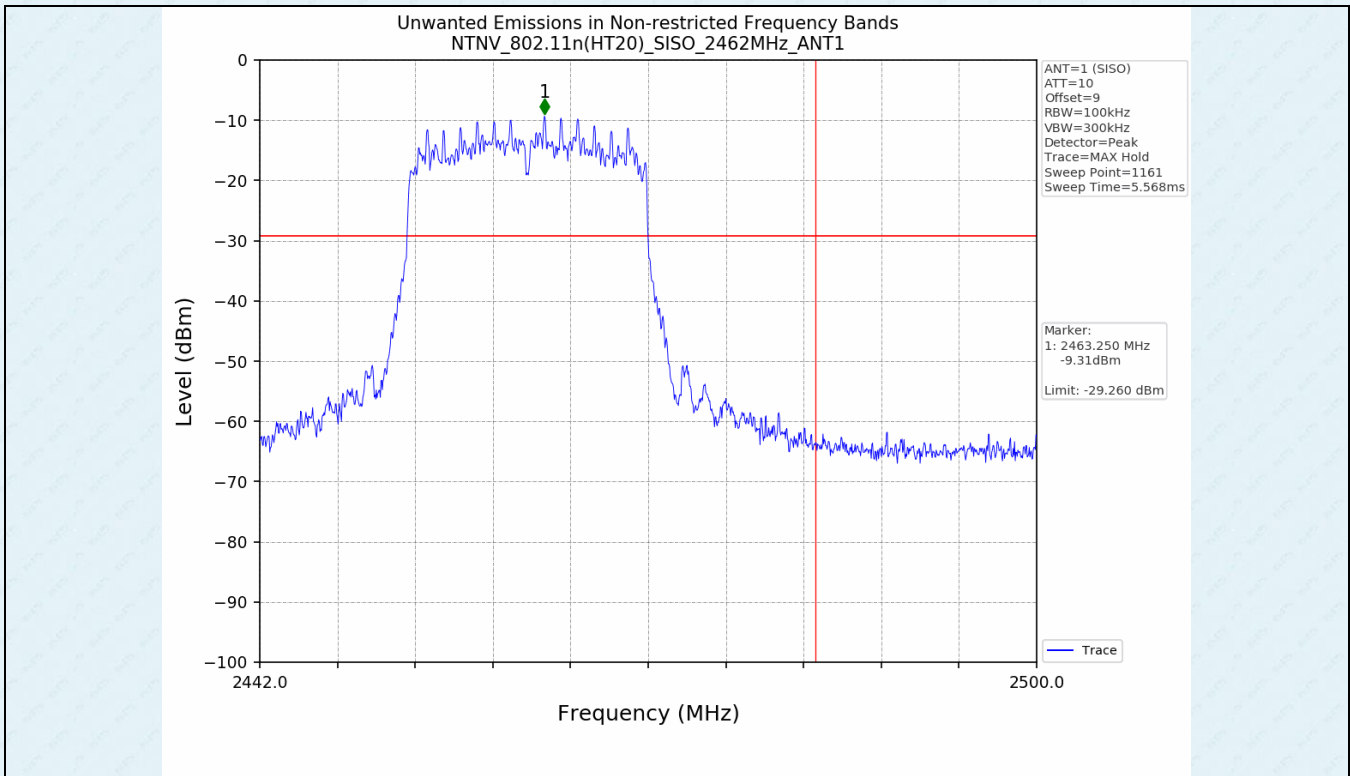


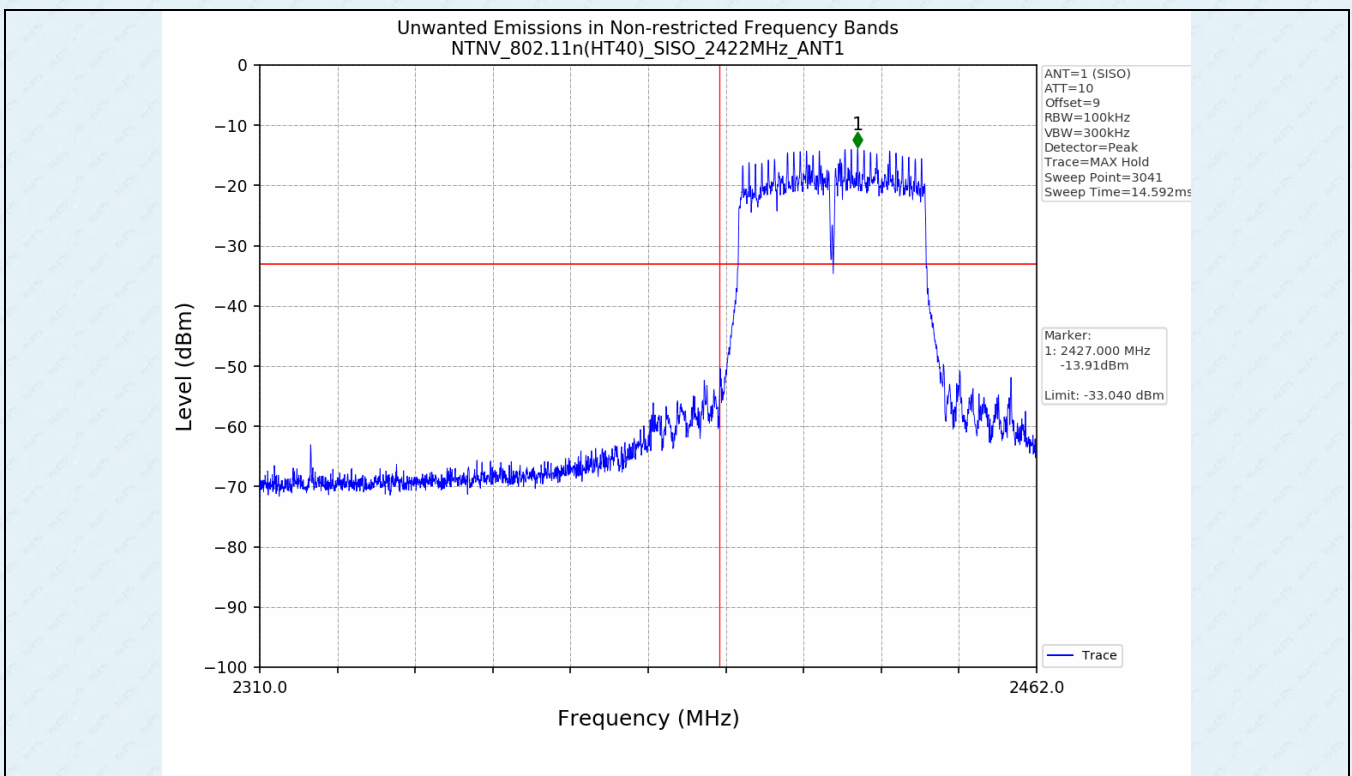
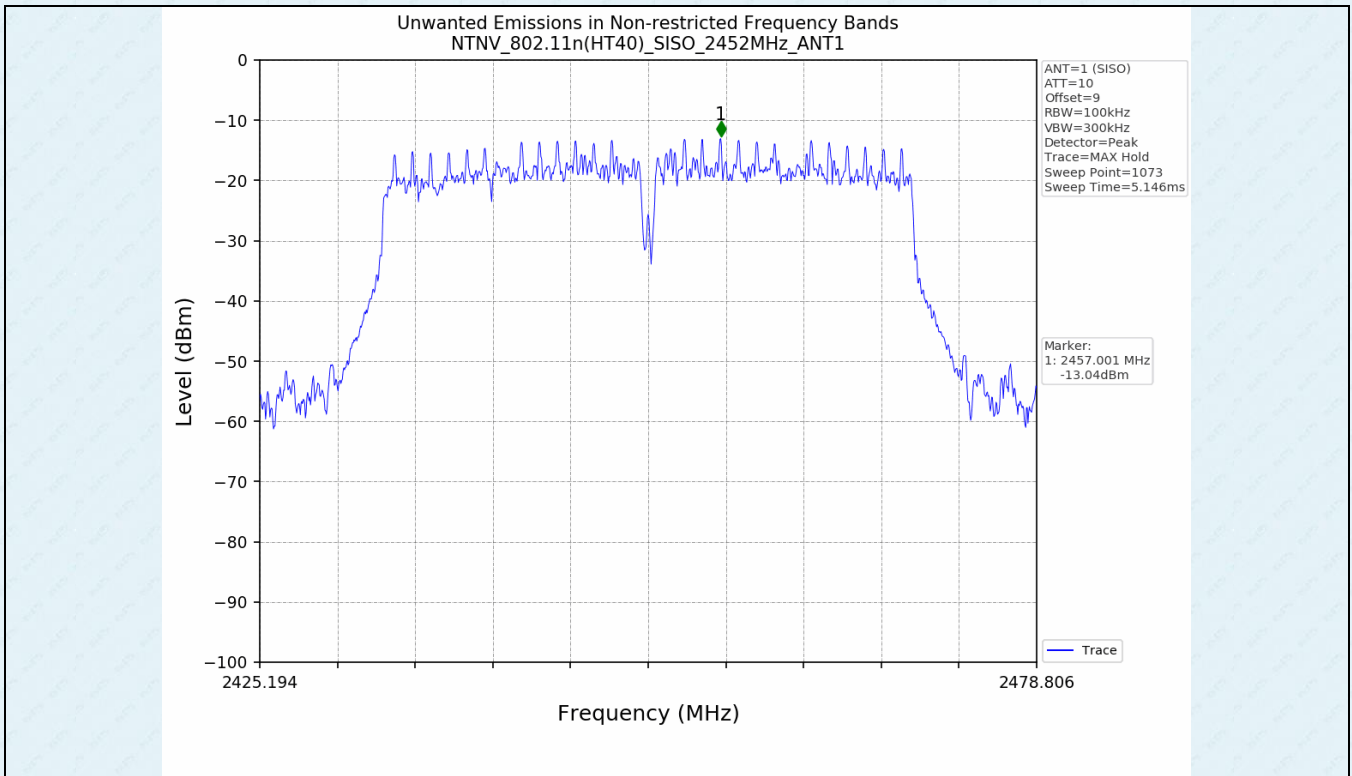


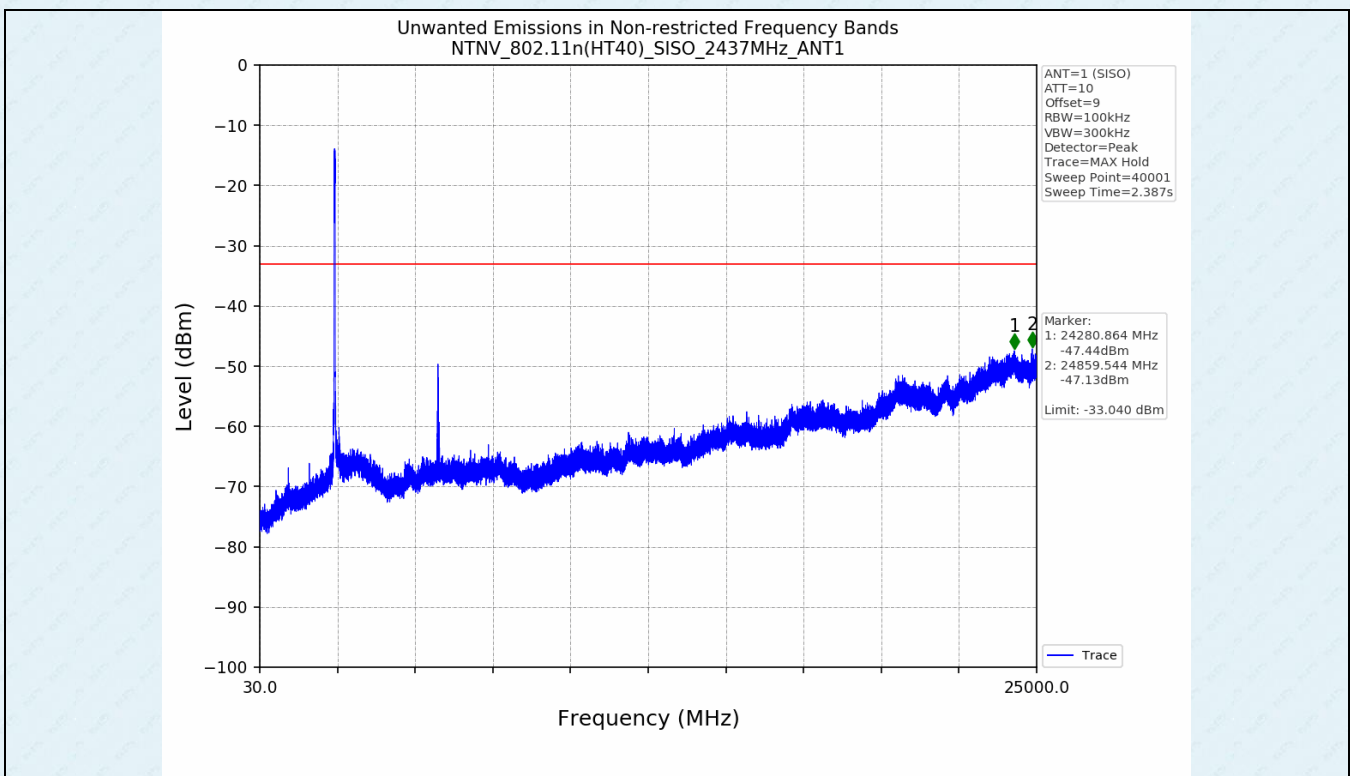
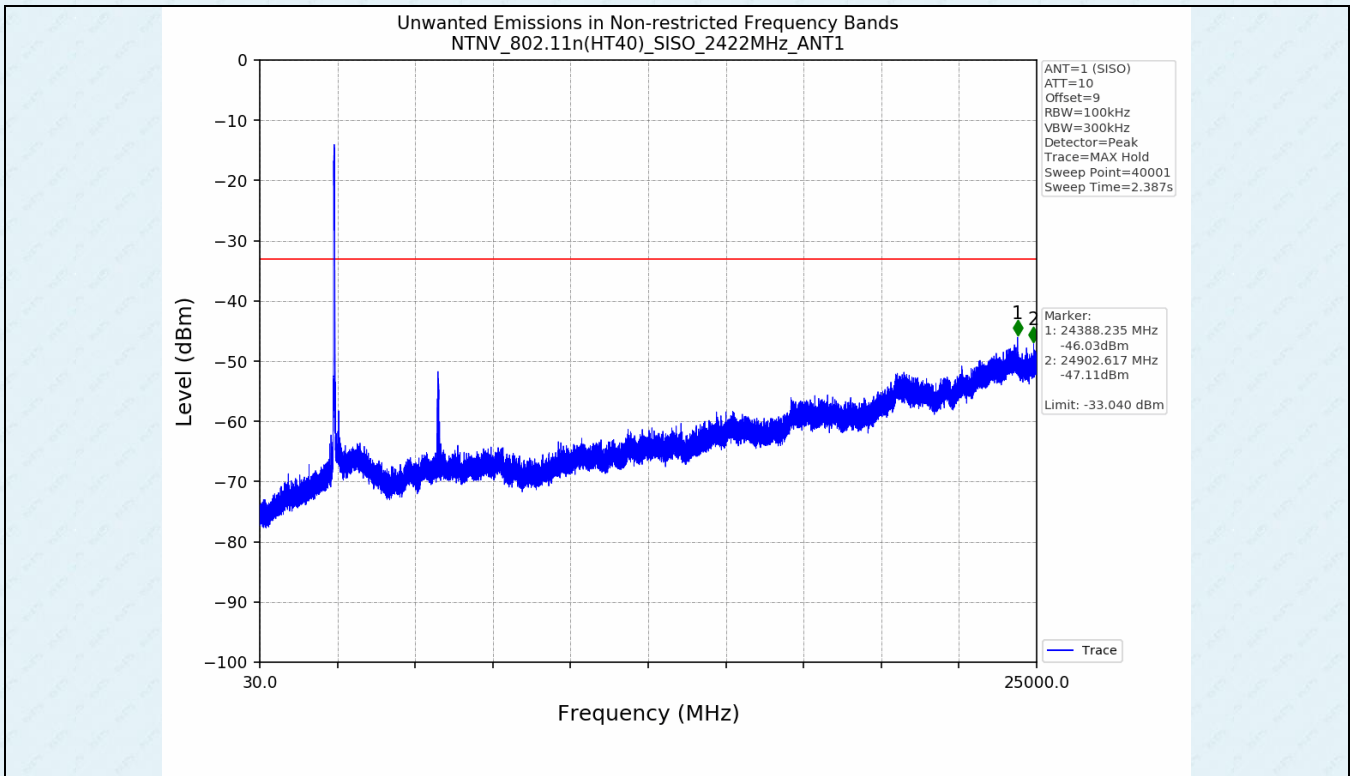


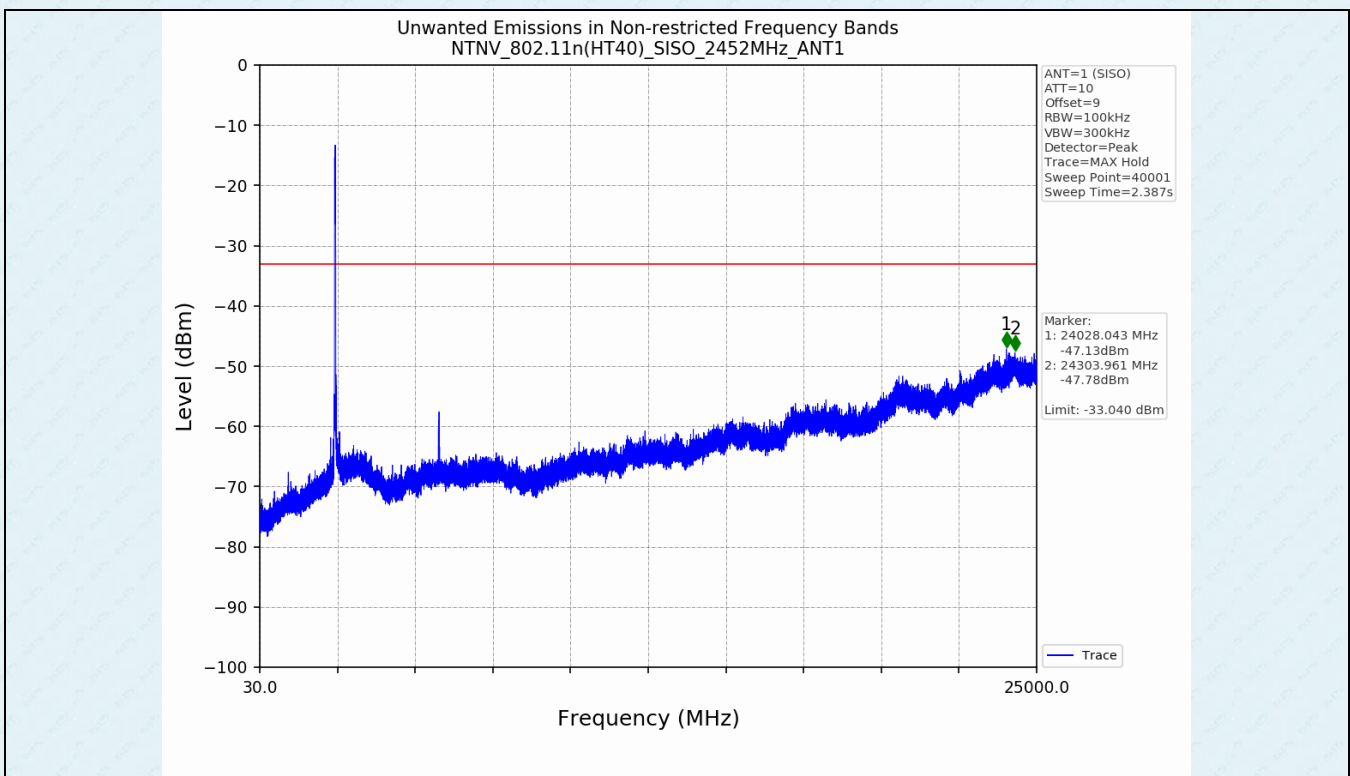
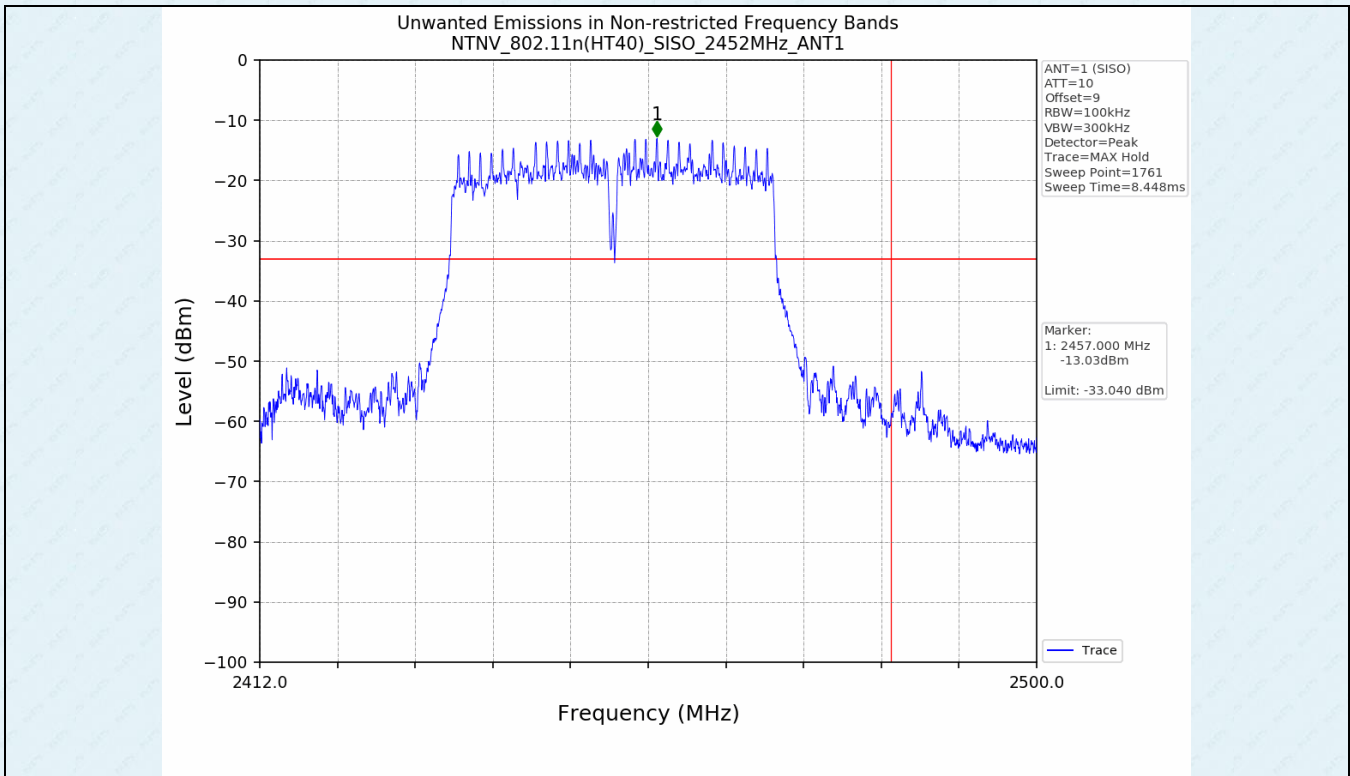












-----End-----