

**Appendix for 15.247**

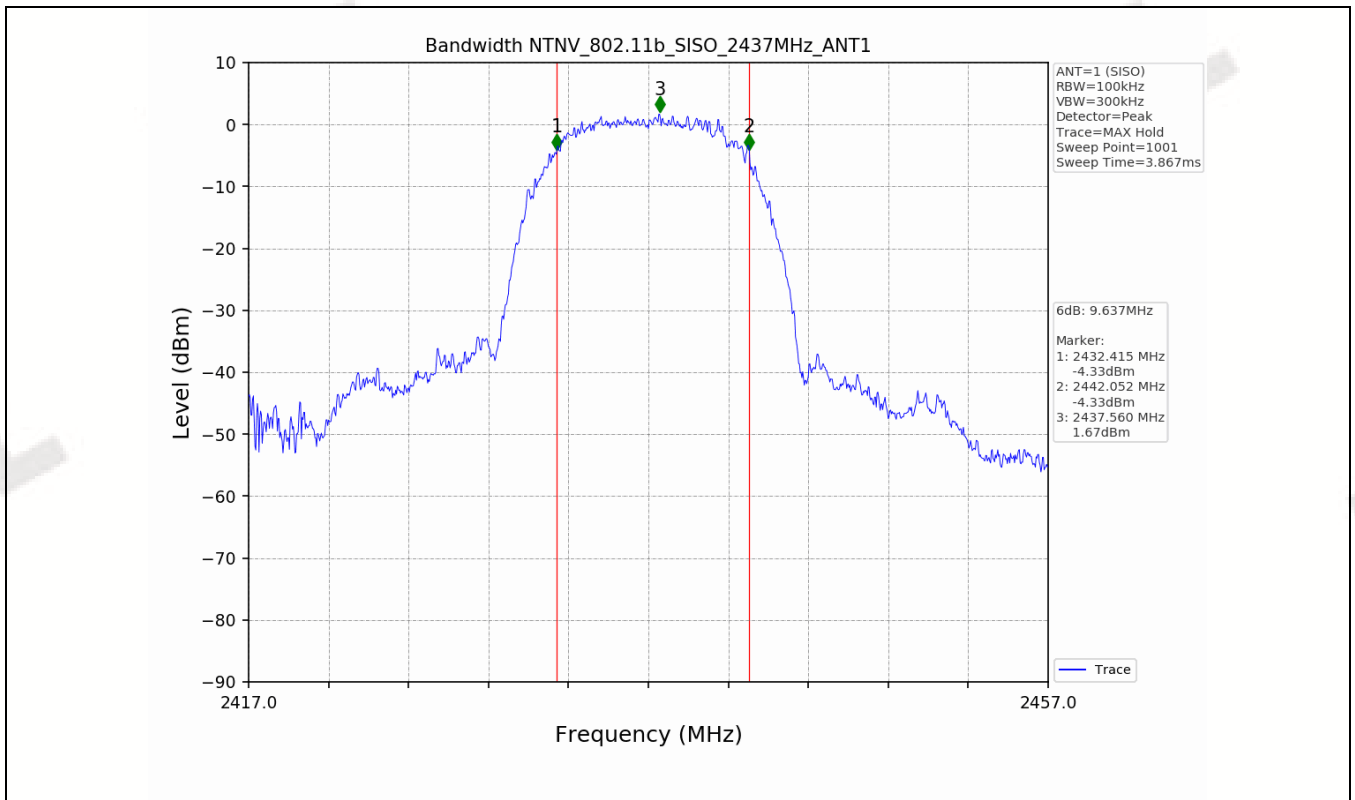
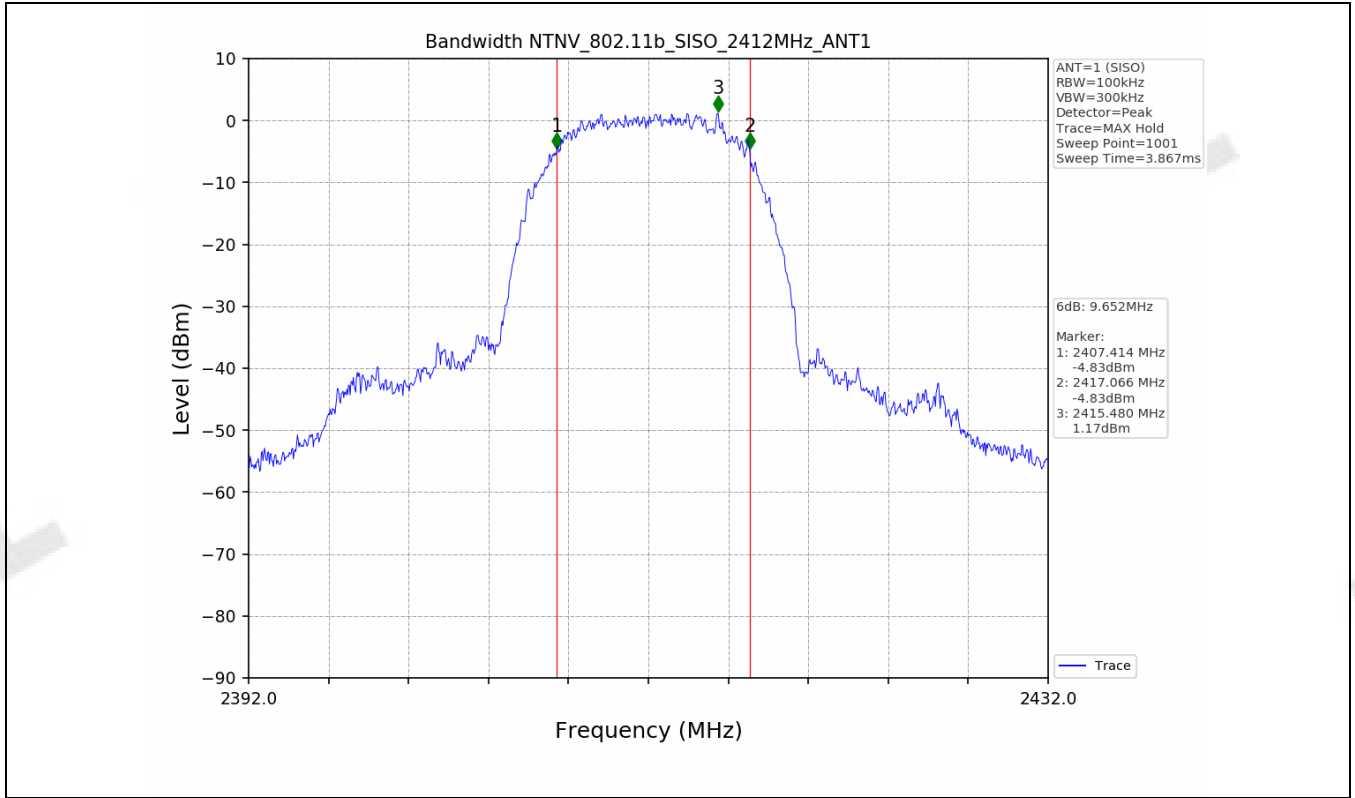
**1. Bandwidth**

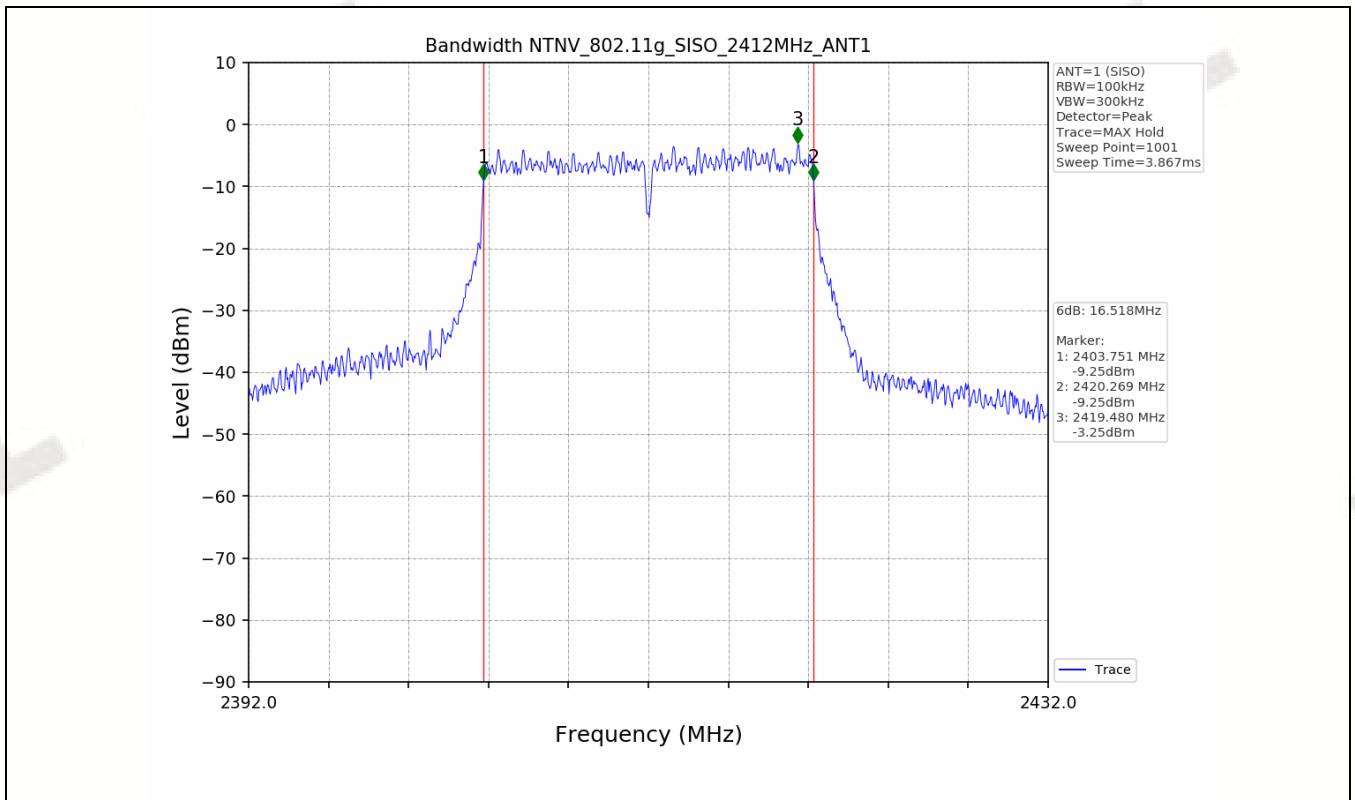
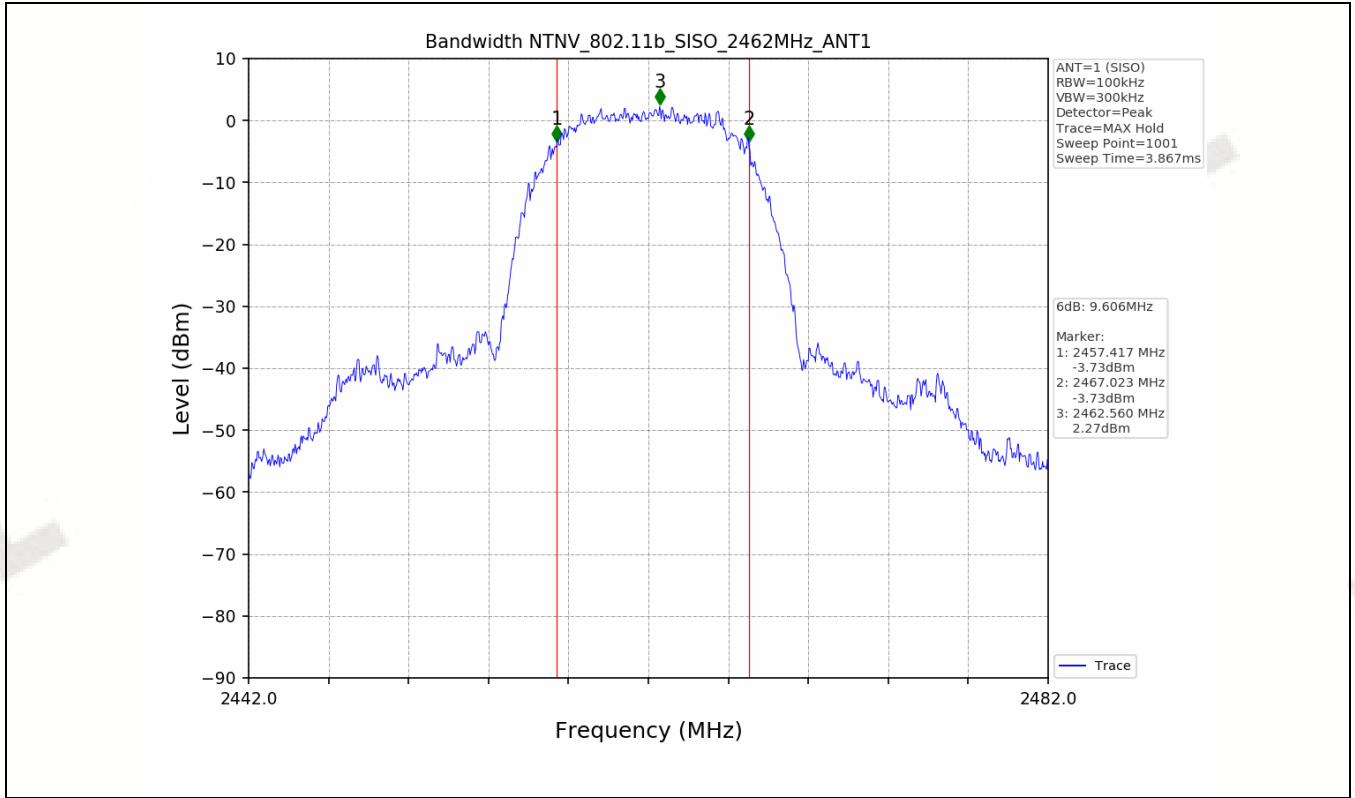
**1.1 Test Result**

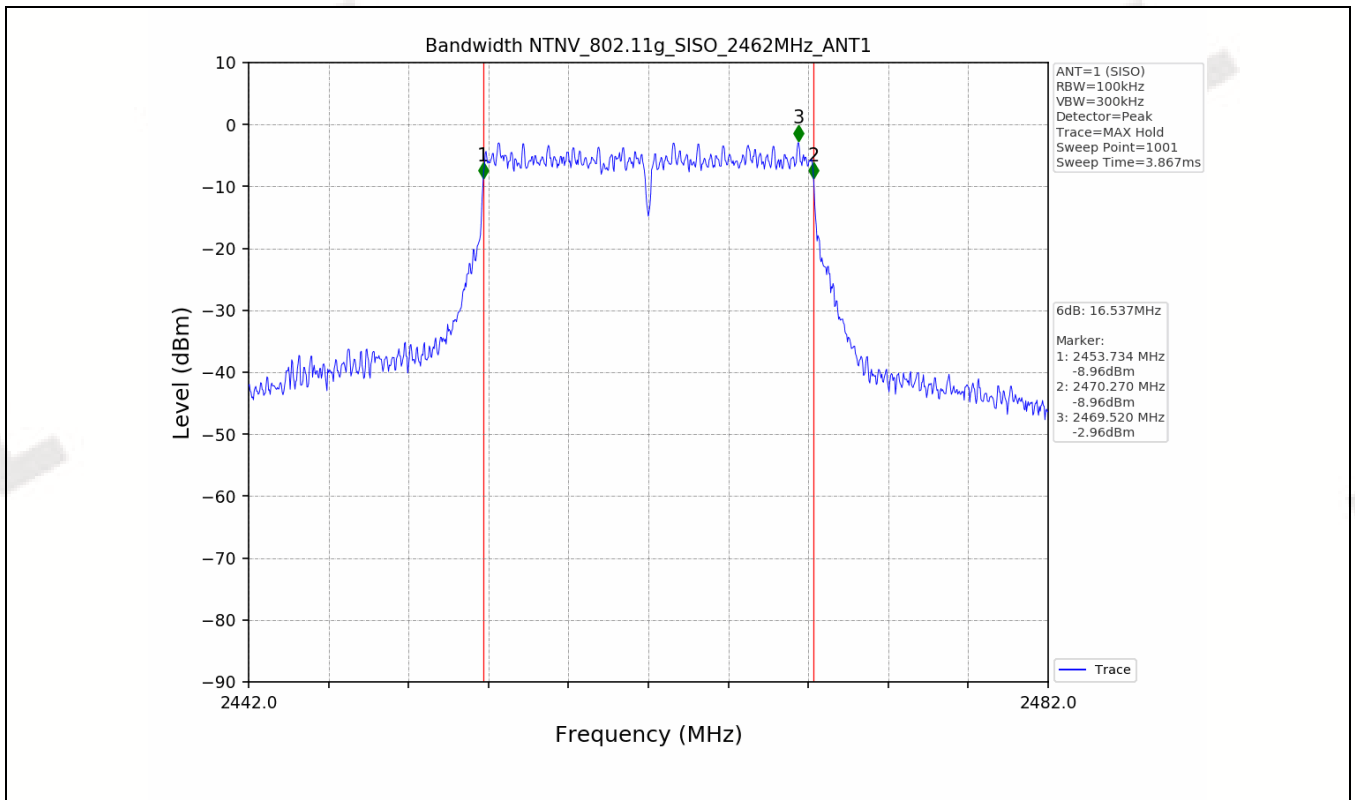
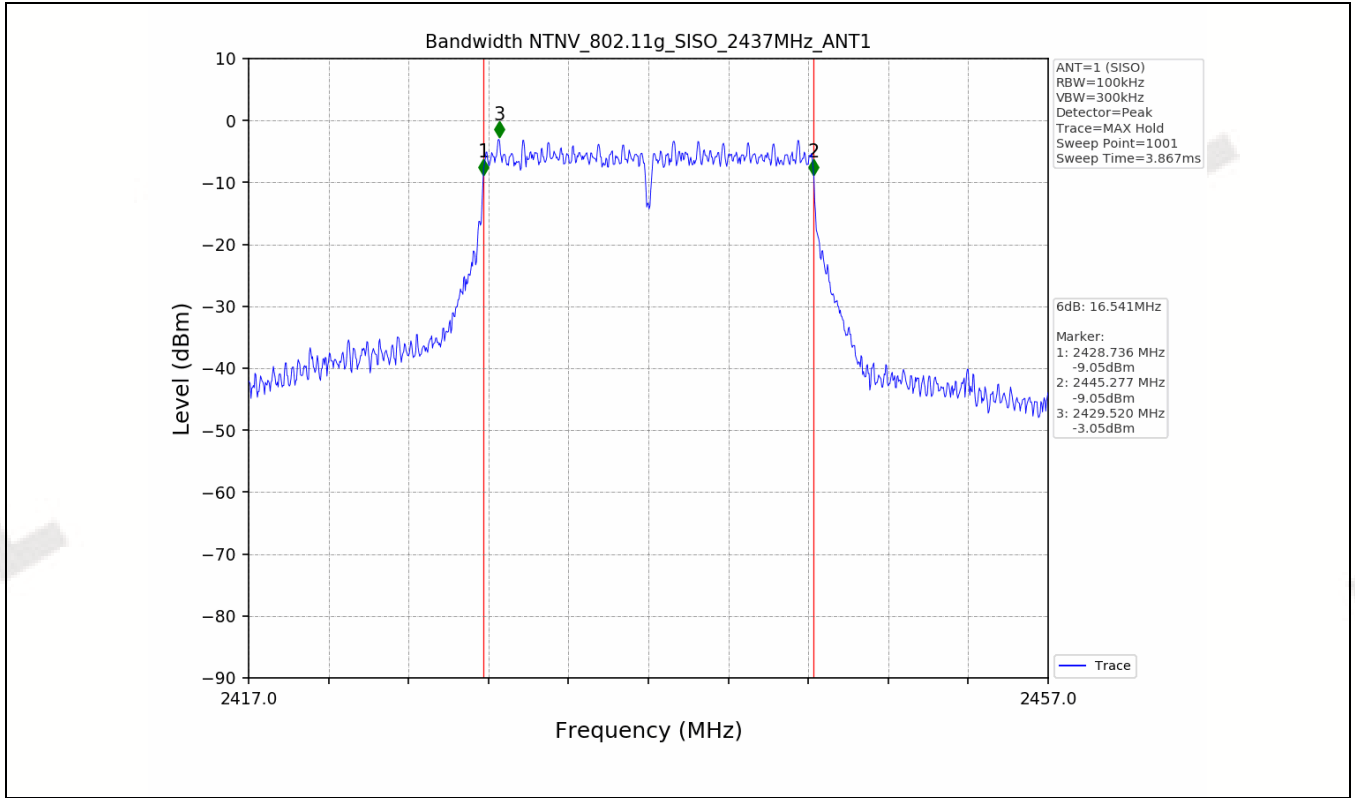
| Test Mode     | Frequency (MHz) | TX Type | ANT No. | 6dB Bandwidth     |              | Verdict |
|---------------|-----------------|---------|---------|-------------------|--------------|---------|
|               |                 |         |         | Test Result (MHz) | Limits (MHz) |         |
| 802.11b       | 2412            | SISO    | 1       | 9.652             | ≥0.5         | PASS    |
|               | 2437            | SISO    | 1       | 9.637             | ≥0.5         | PASS    |
|               | 2462            | SISO    | 1       | 9.606             | ≥0.5         | PASS    |
| 802.11g       | 2412            | SISO    | 1       | 16.518            | ≥0.5         | PASS    |
|               | 2437            | SISO    | 1       | 16.541            | ≥0.5         | PASS    |
|               | 2462            | SISO    | 1       | 16.537            | ≥0.5         | PASS    |
| 802.11n(HT20) | 2412            | SISO    | 1       | 17.715            | ≥0.5         | PASS    |
|               | 2437            | SISO    | 1       | 17.731            | ≥0.5         | PASS    |
|               | 2462            | SISO    | 1       | 17.764            | ≥0.5         | PASS    |
| 802.11n(HT40) | 2422            | SISO    | 1       | 36.044            | ≥0.5         | PASS    |
|               | 2437            | SISO    | 1       | 36.366            | ≥0.5         | PASS    |
|               | 2452            | SISO    | 1       | 36.407            | ≥0.5         | PASS    |

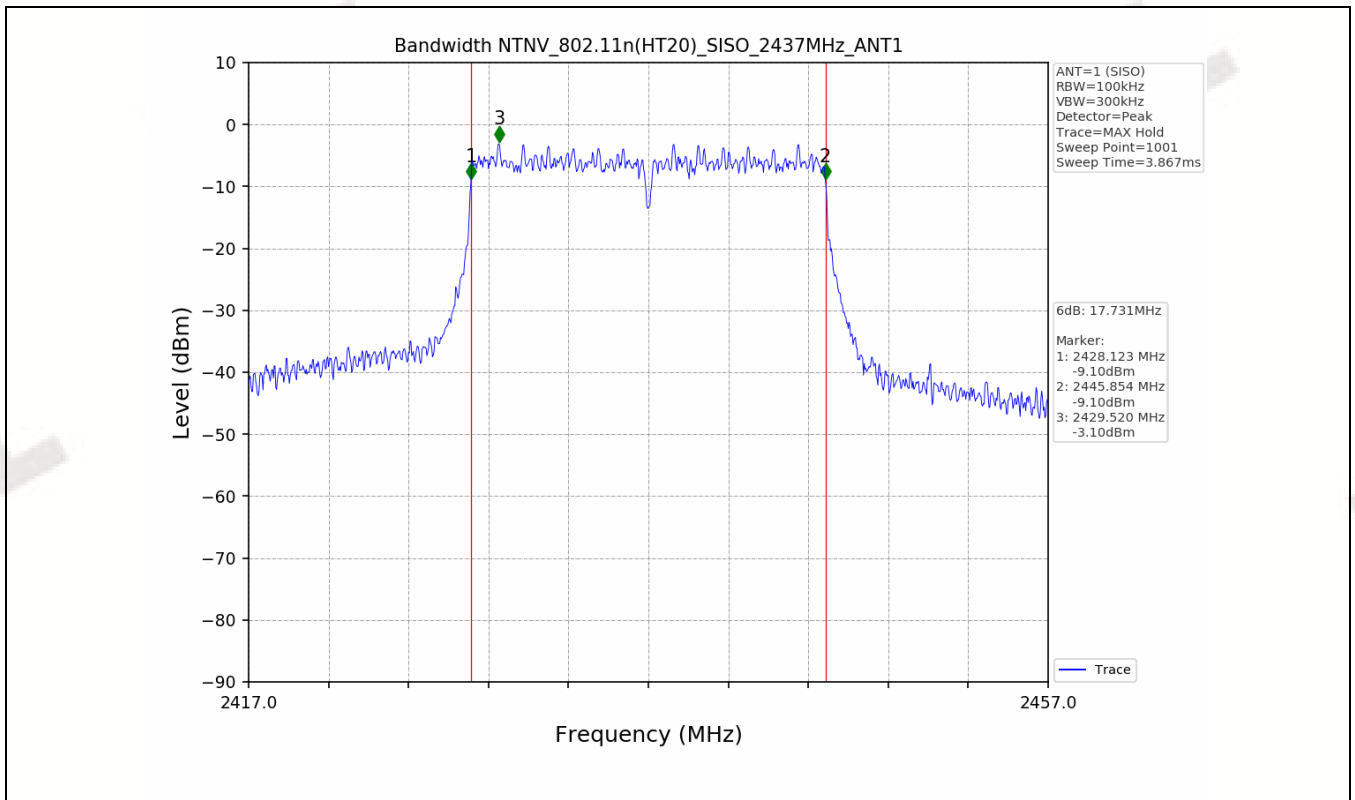
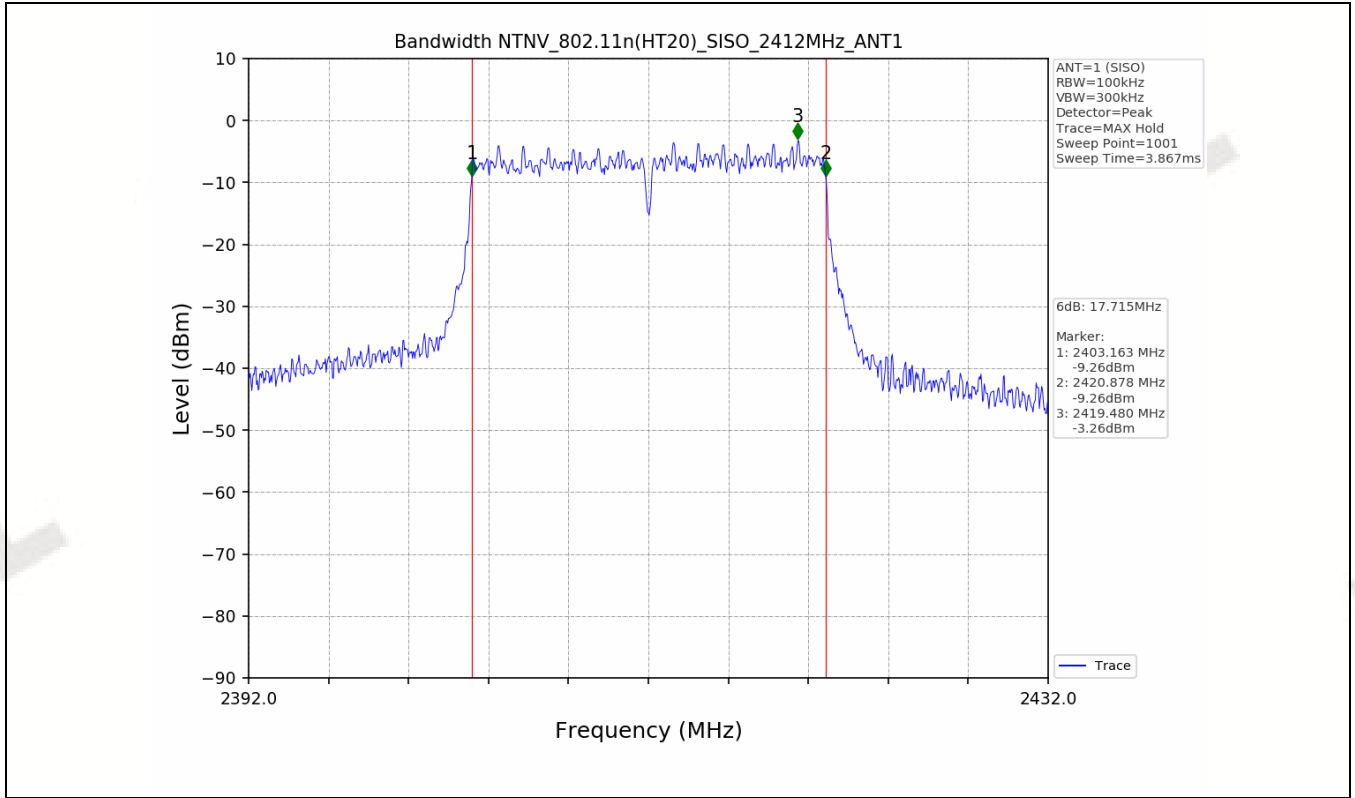
| Test Mode     | Frequency (MHz) | TX Type | ANT No. | 99% Occupied Bandwidth |                     |
|---------------|-----------------|---------|---------|------------------------|---------------------|
|               |                 |         |         | Test Result (MHz)      |                     |
| 802.11b       | 2412            | SISO    | 1       | 11.316                 | Only for Report Use |
|               | 2437            | SISO    | 1       | 11.334                 | Only for Report Use |
|               | 2462            | SISO    | 1       | 11.298                 | Only for Report Use |
| 802.11g       | 2412            | SISO    | 1       | 16.649                 | Only for Report Use |
|               | 2437            | SISO    | 1       | 16.645                 | Only for Report Use |
|               | 2462            | SISO    | 1       | 16.680                 | Only for Report Use |
| 802.11n(HT20) | 2412            | SISO    | 1       | 17.749                 | Only for Report Use |
|               | 2437            | SISO    | 1       | 17.757                 | Only for Report Use |
|               | 2462            | SISO    | 1       | 17.772                 | Only for Report Use |
| 802.11n(HT40) | 2422            | SISO    | 1       | 36.174                 | Only for Report Use |
|               | 2437            | SISO    | 1       | 36.196                 | Only for Report Use |
|               | 2452            | SISO    | 1       | 36.247                 | Only for Report Use |

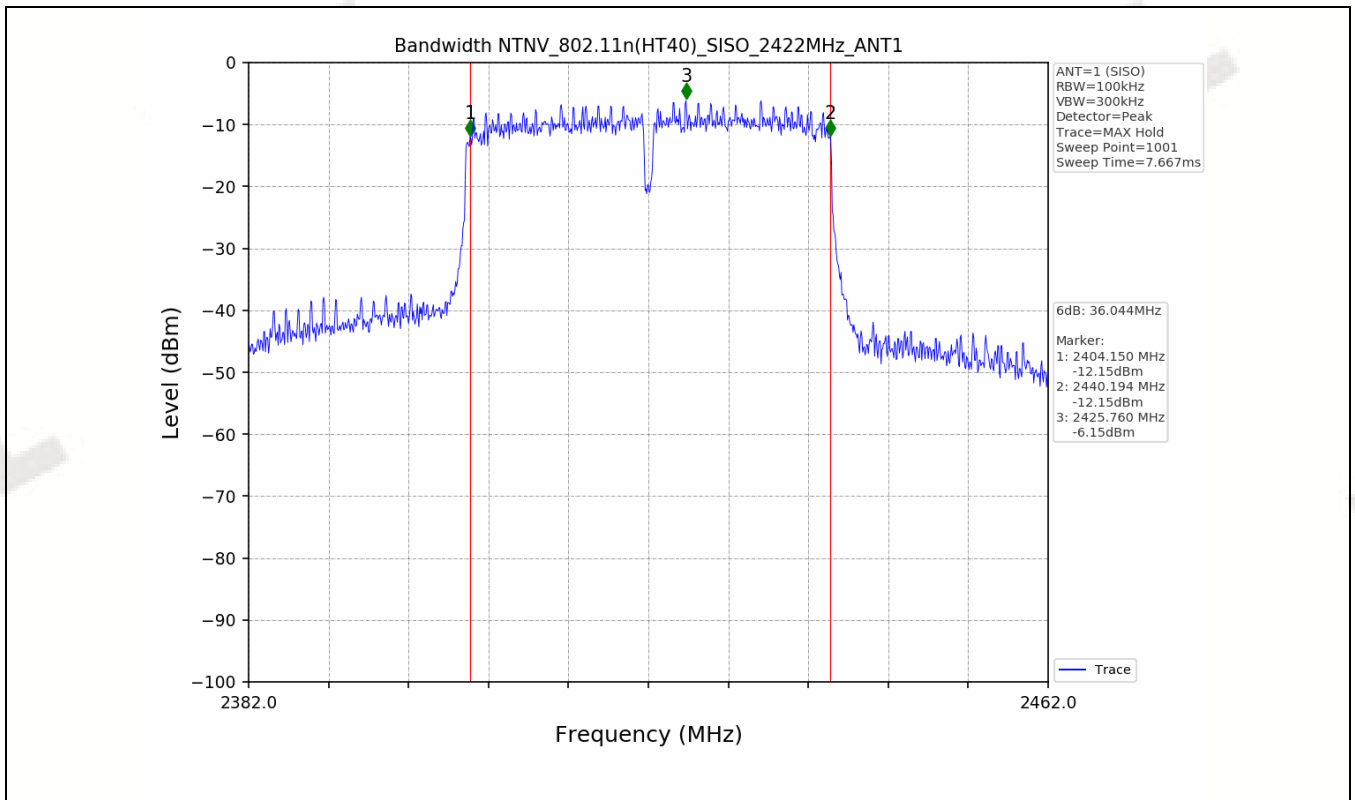
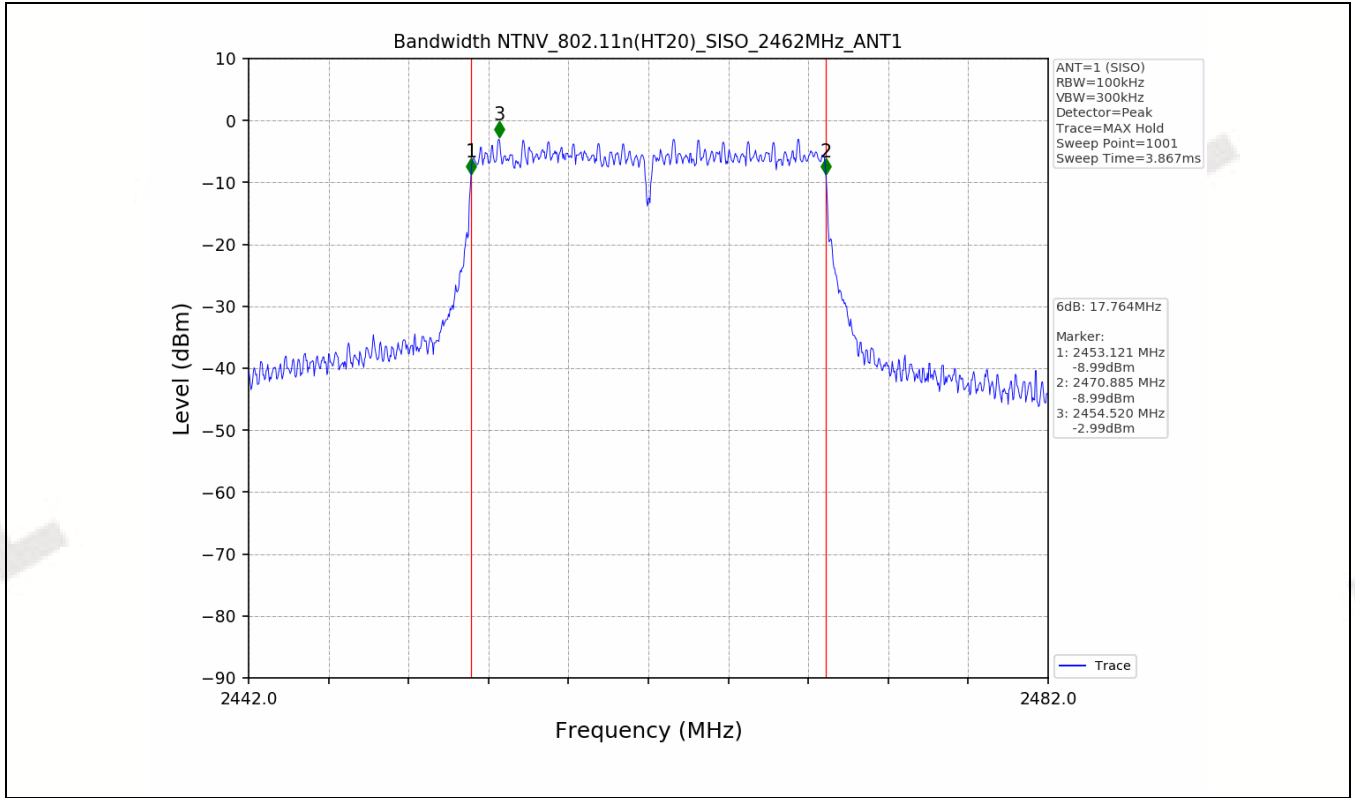
**1.2 Test Graph - 6dB Bandwidth**

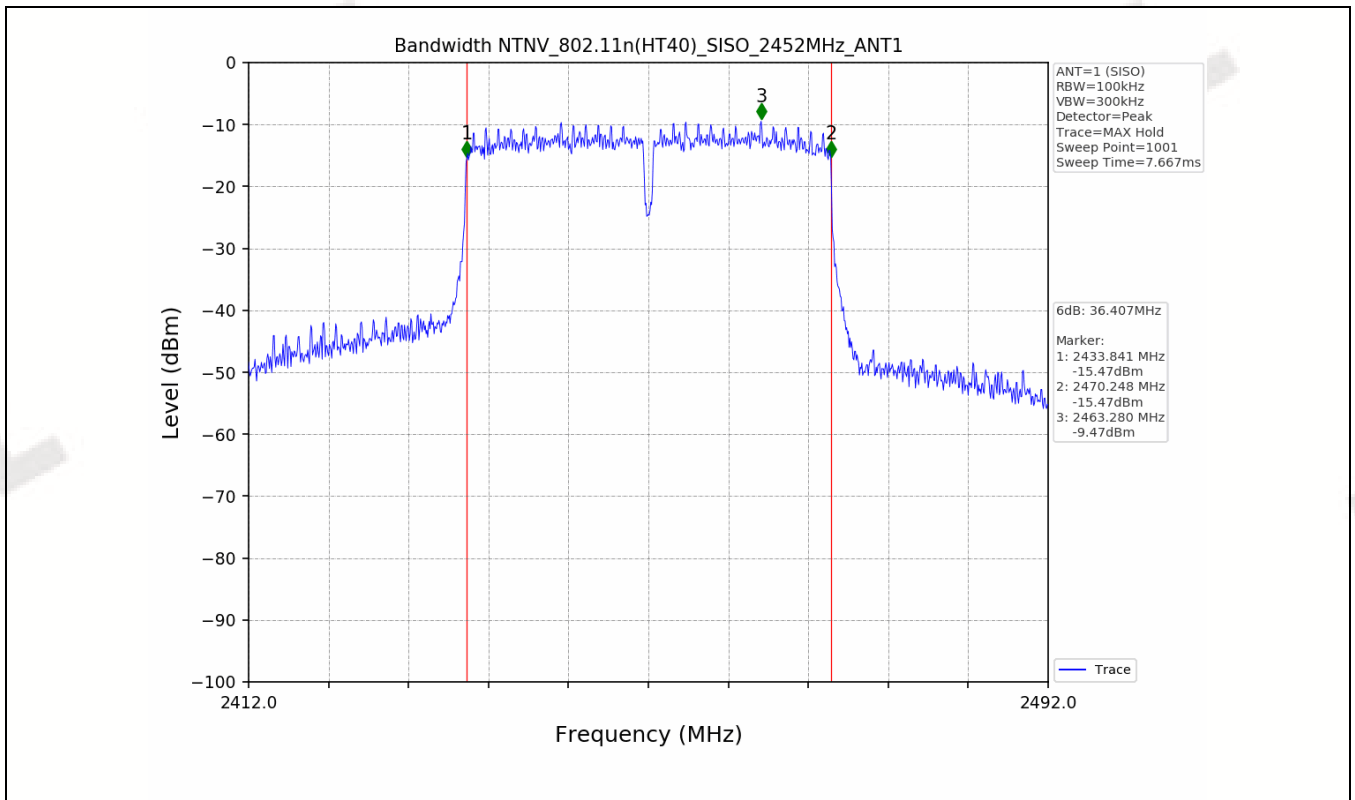
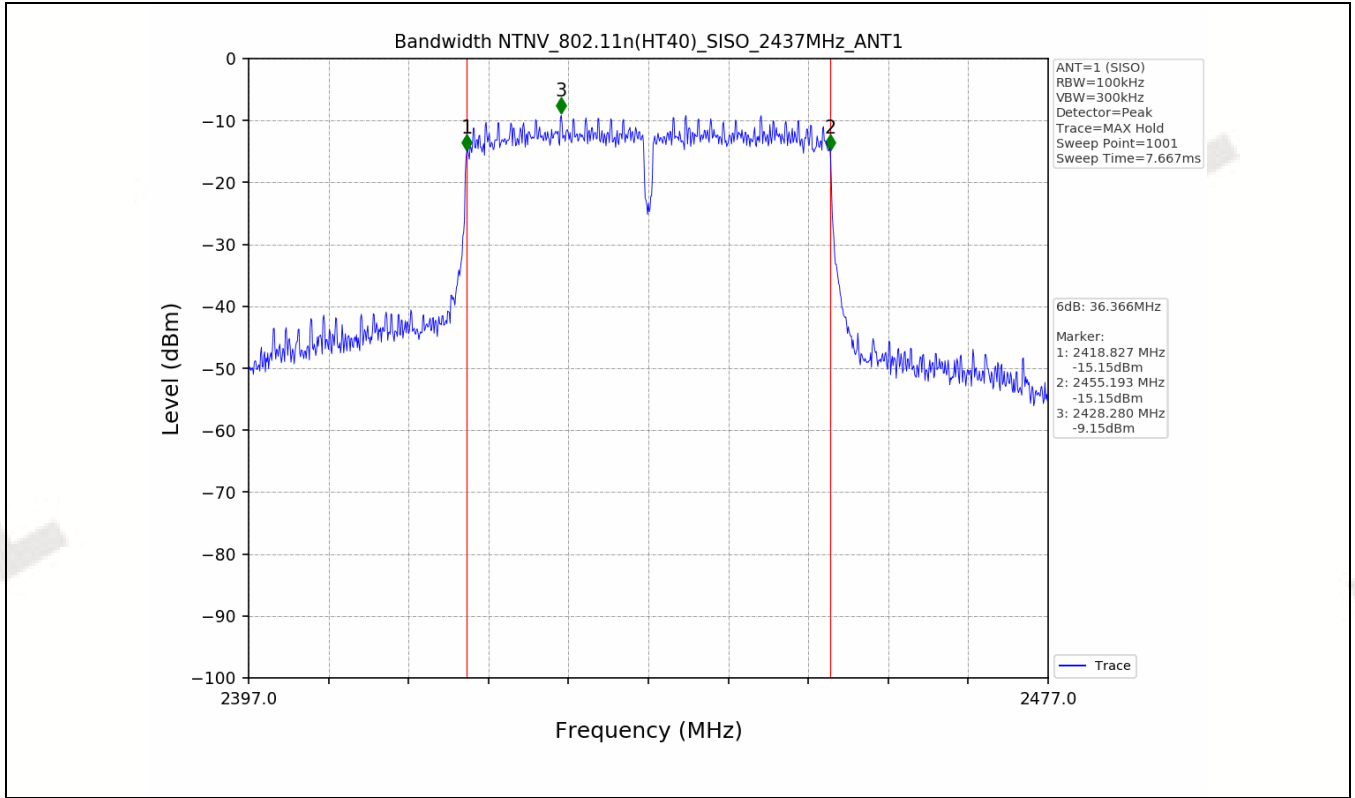




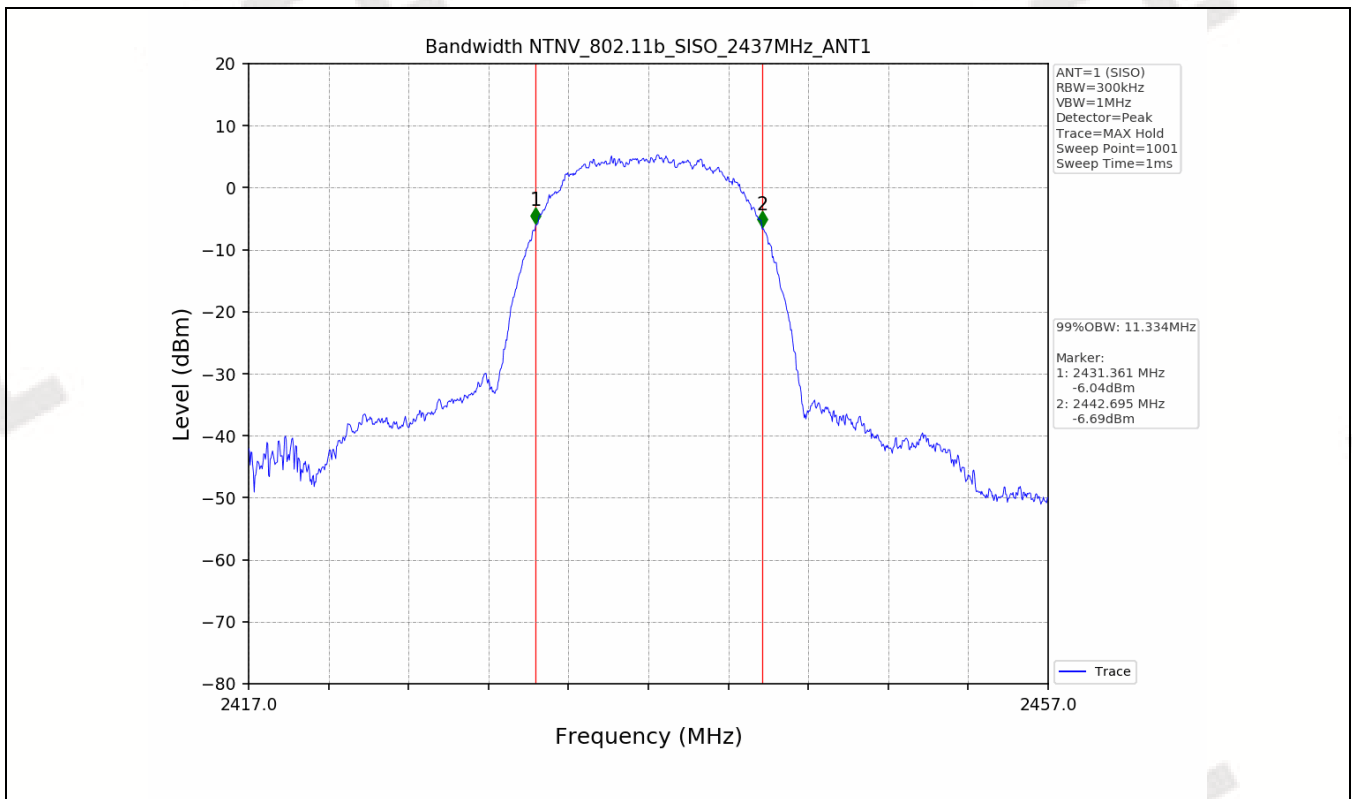
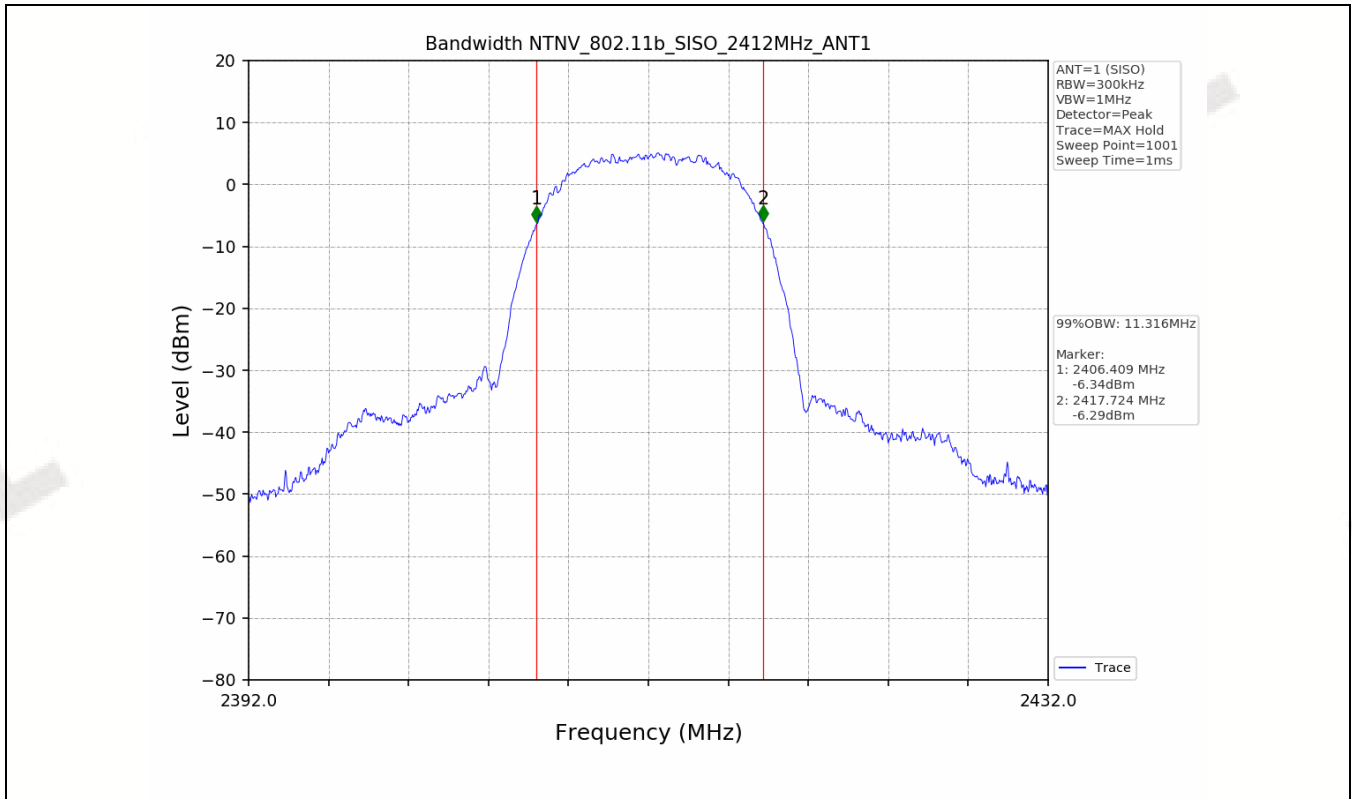




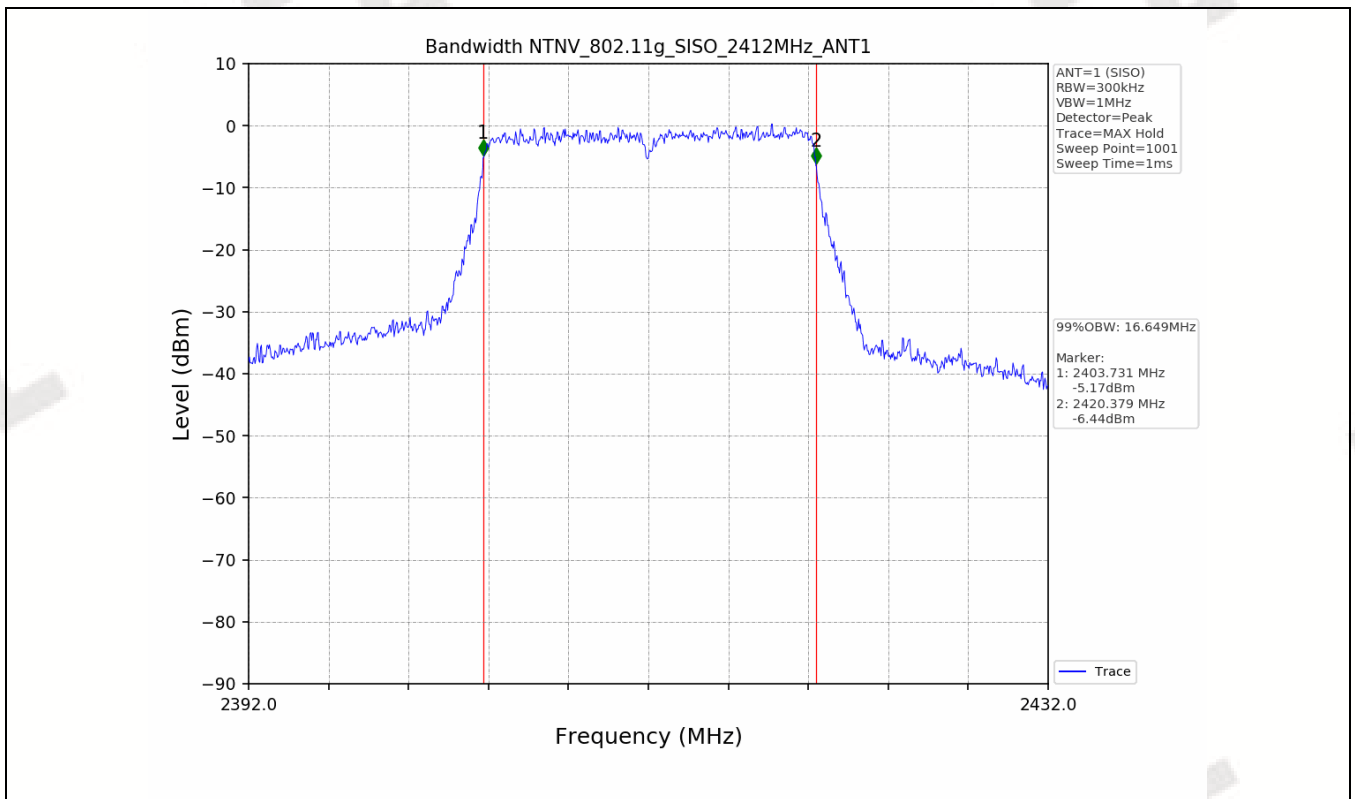
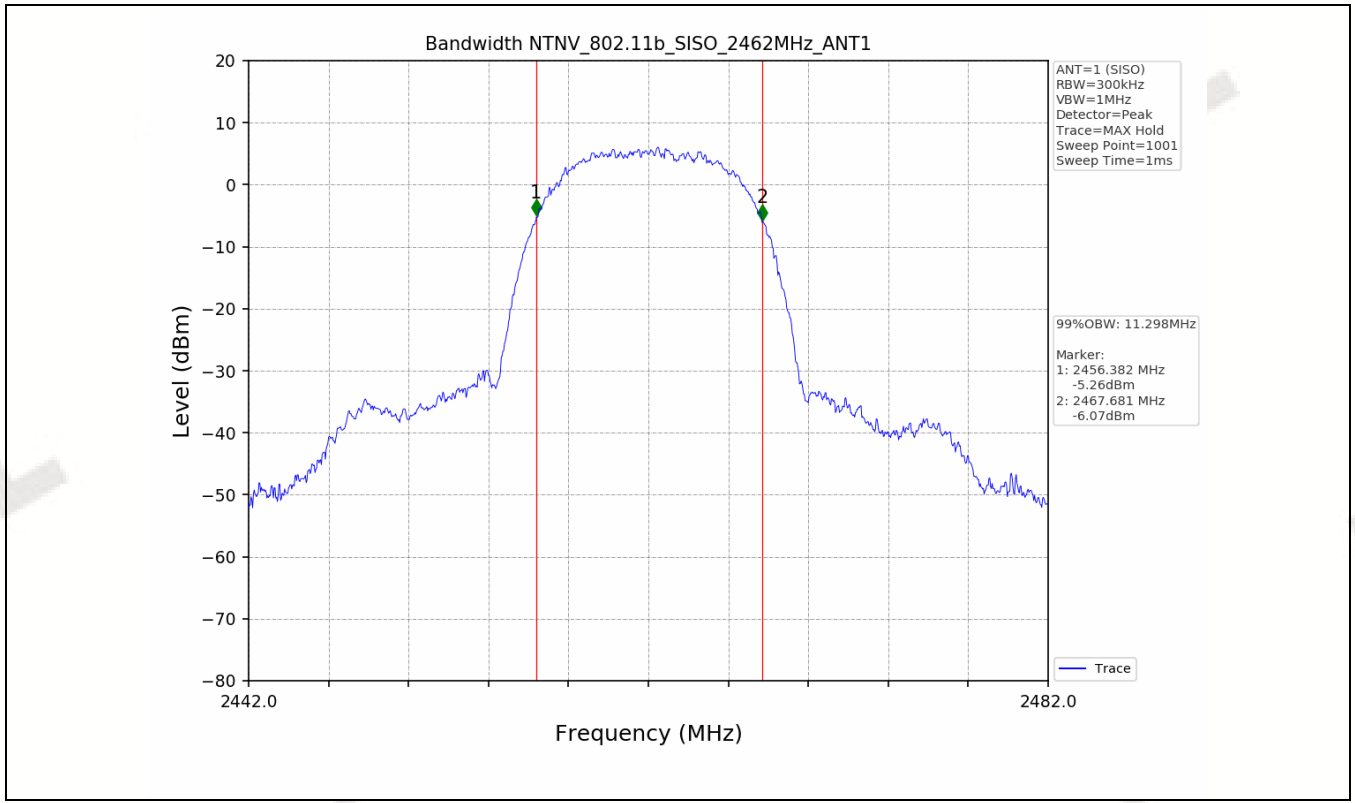


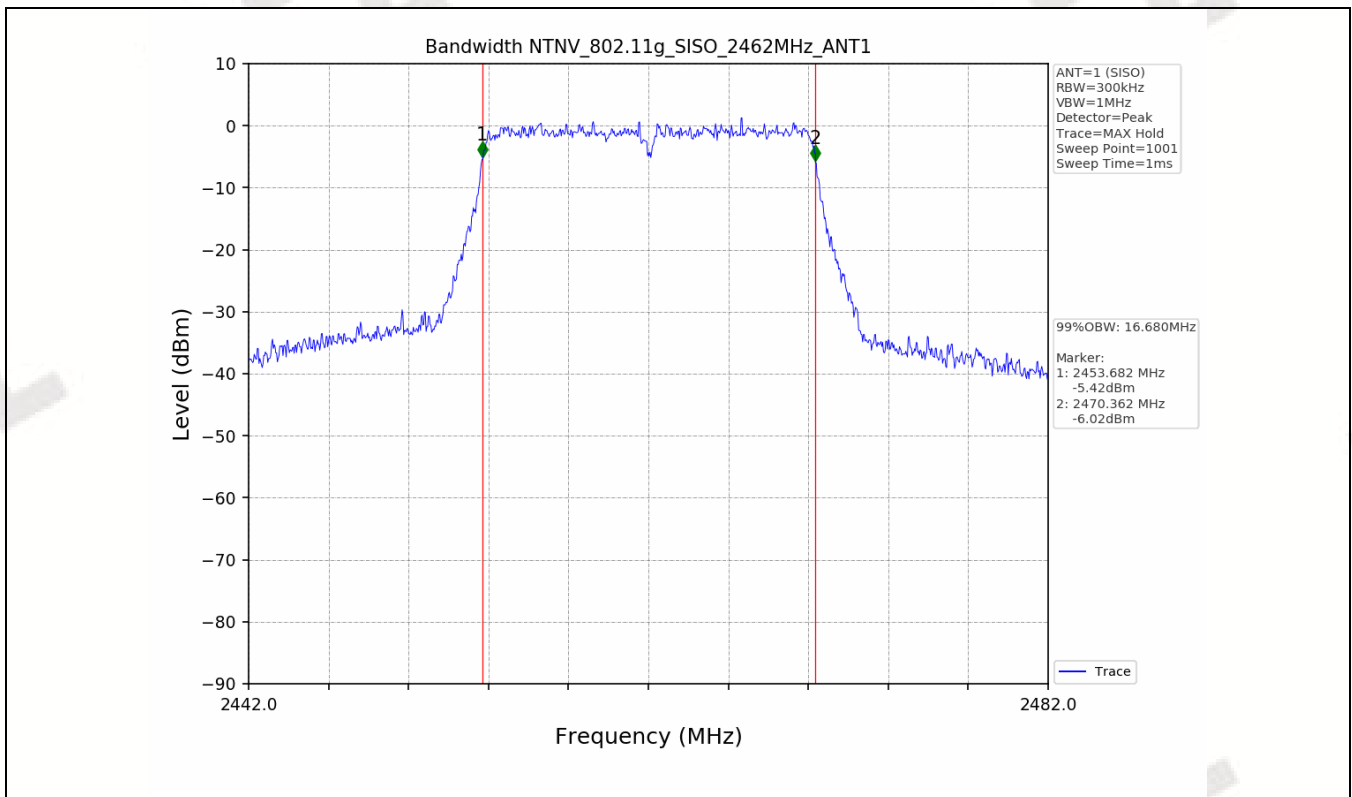
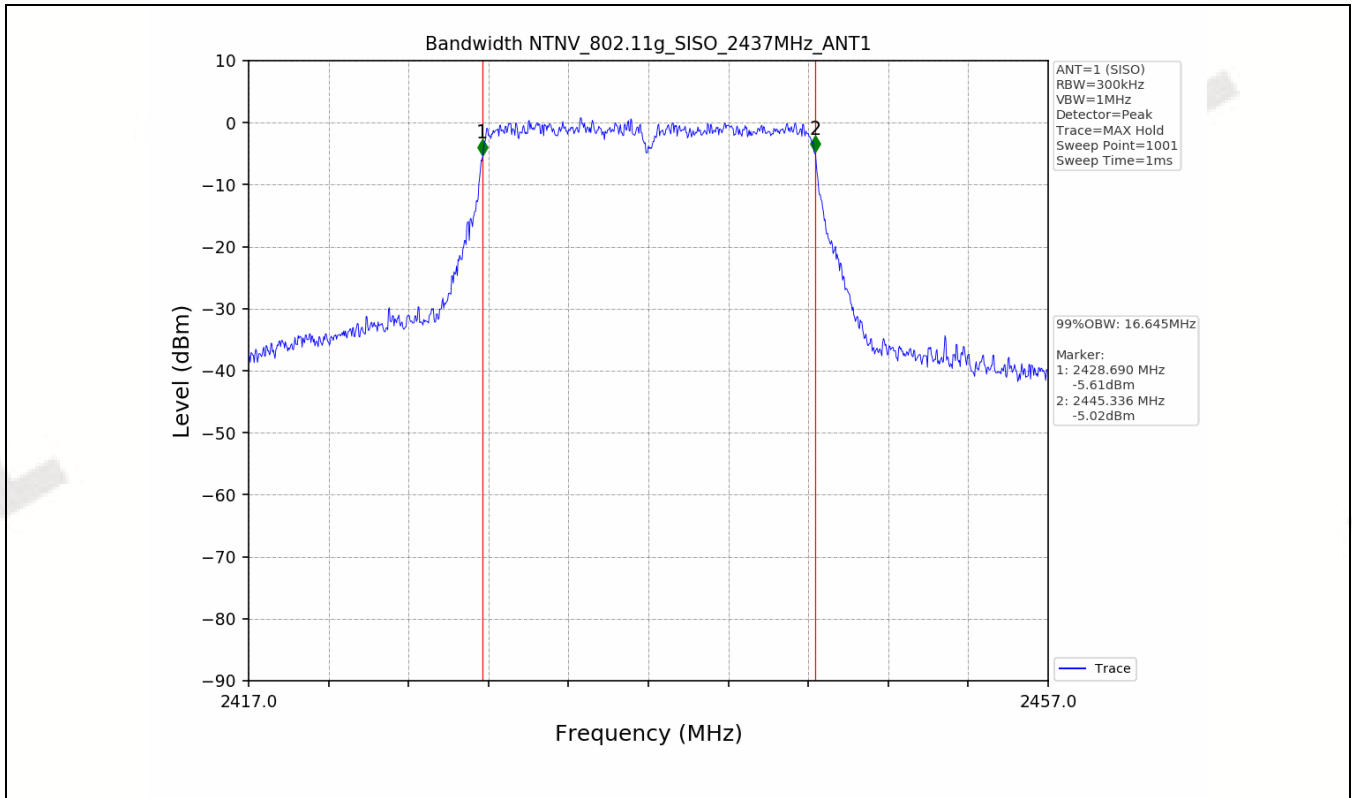


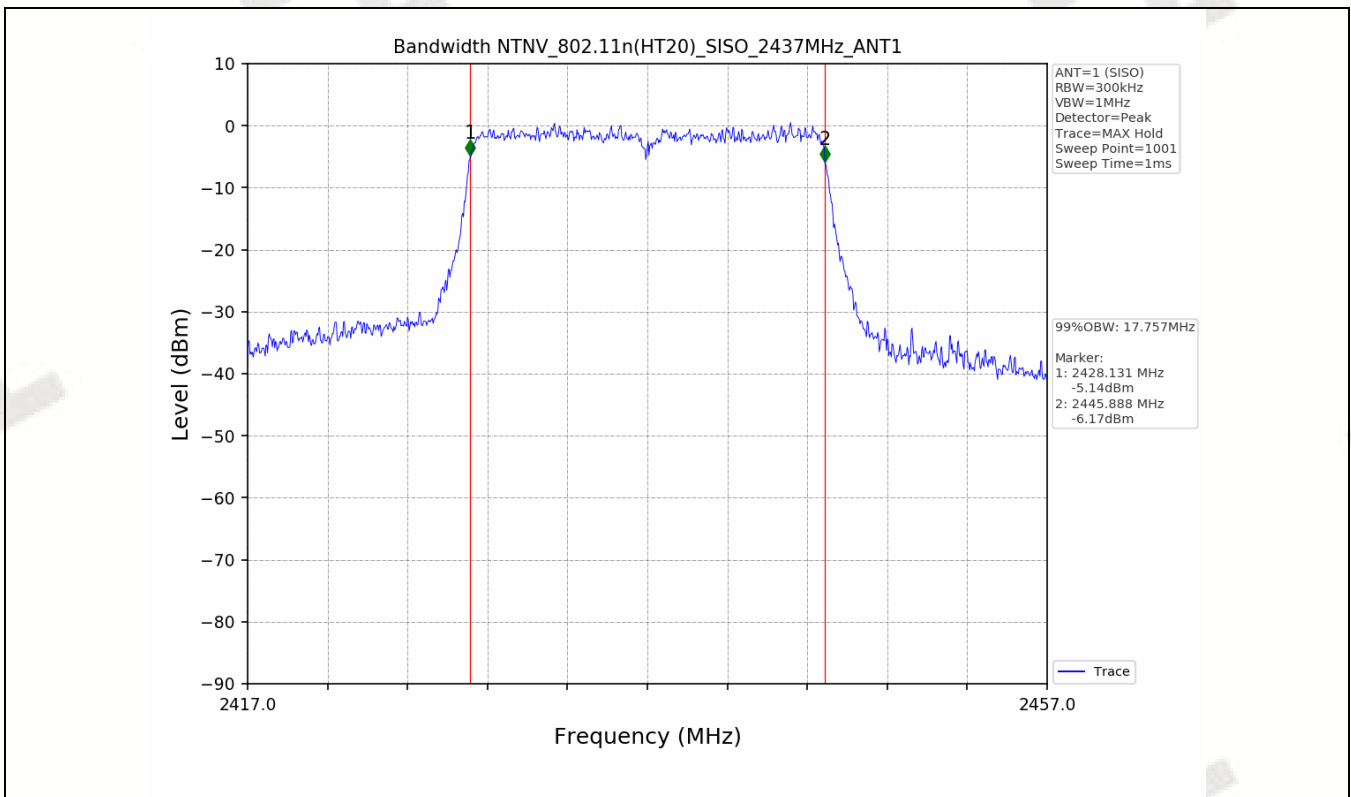
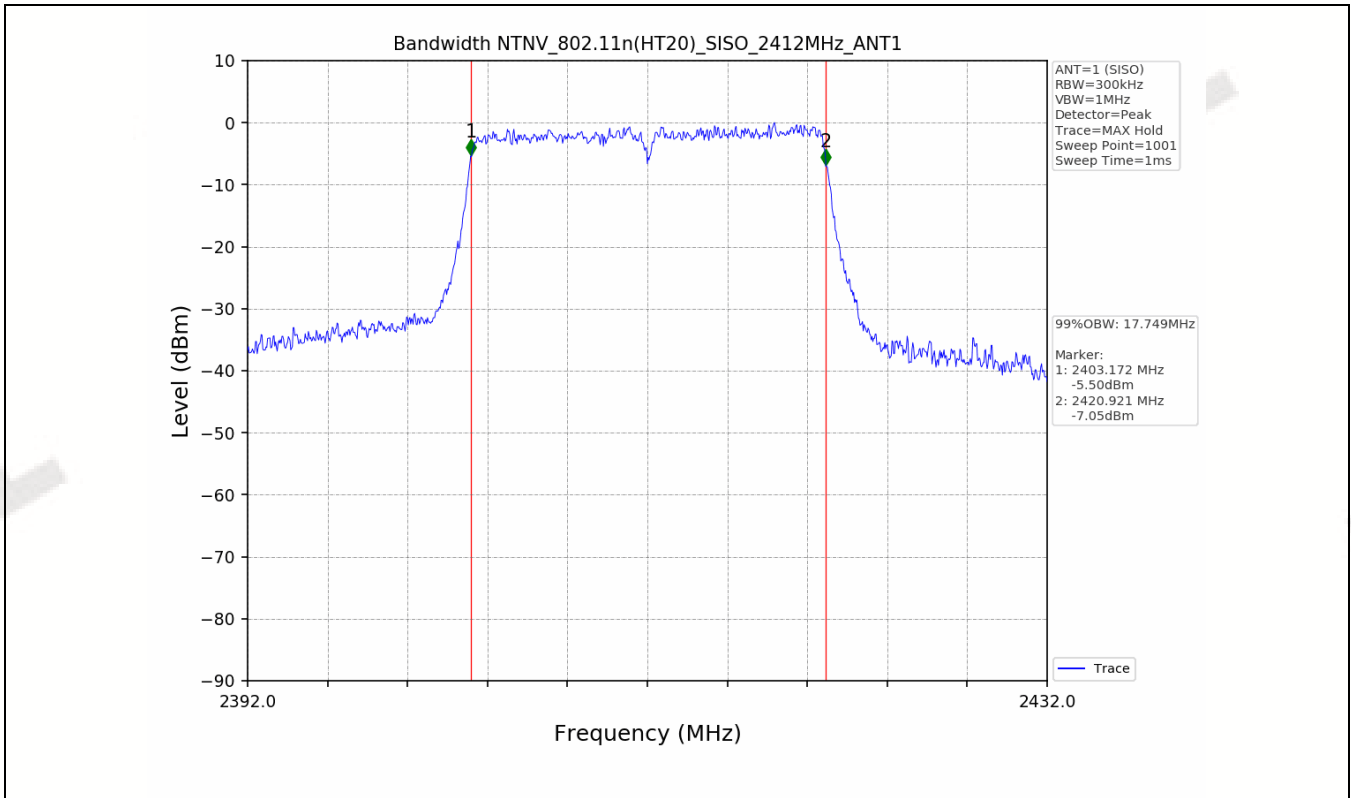
1.3 Test Graph - 99% Occupied Bandwidth

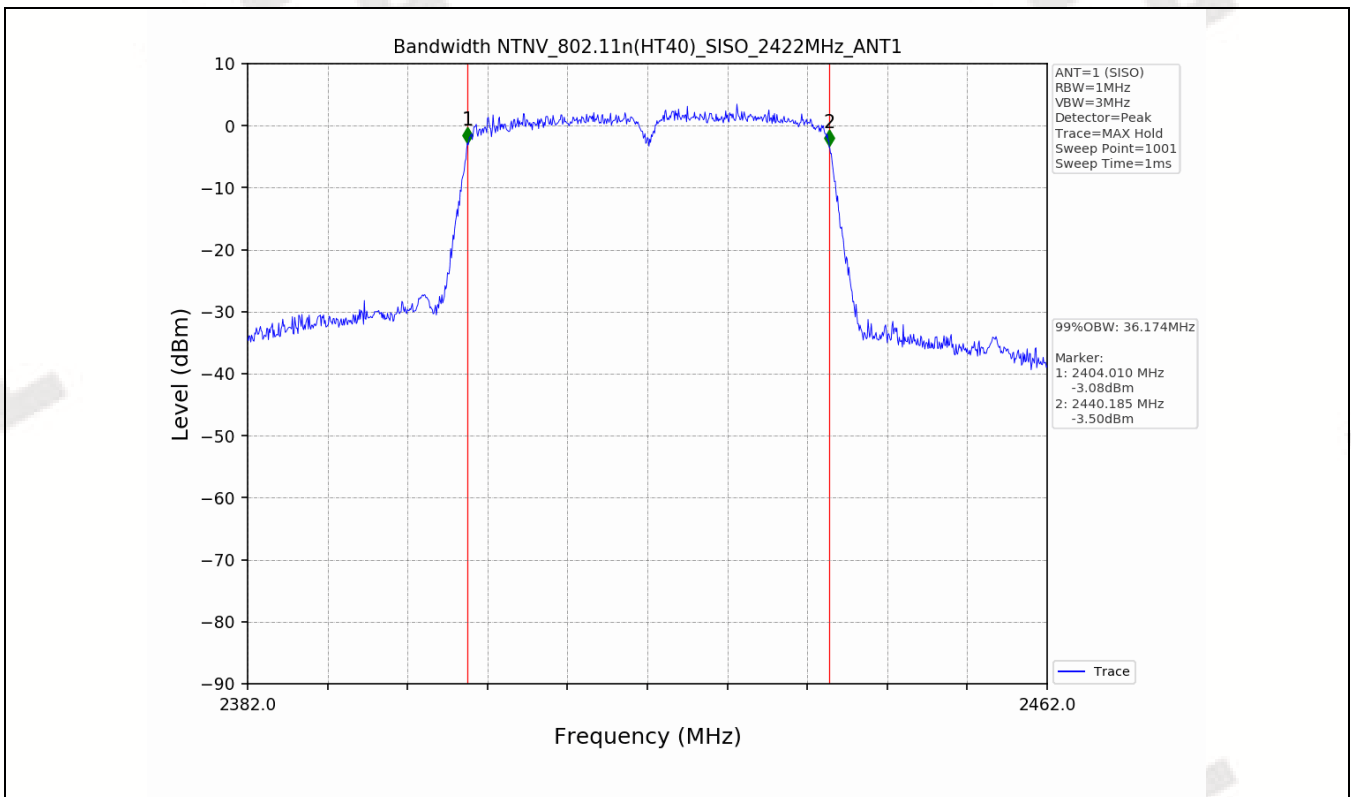
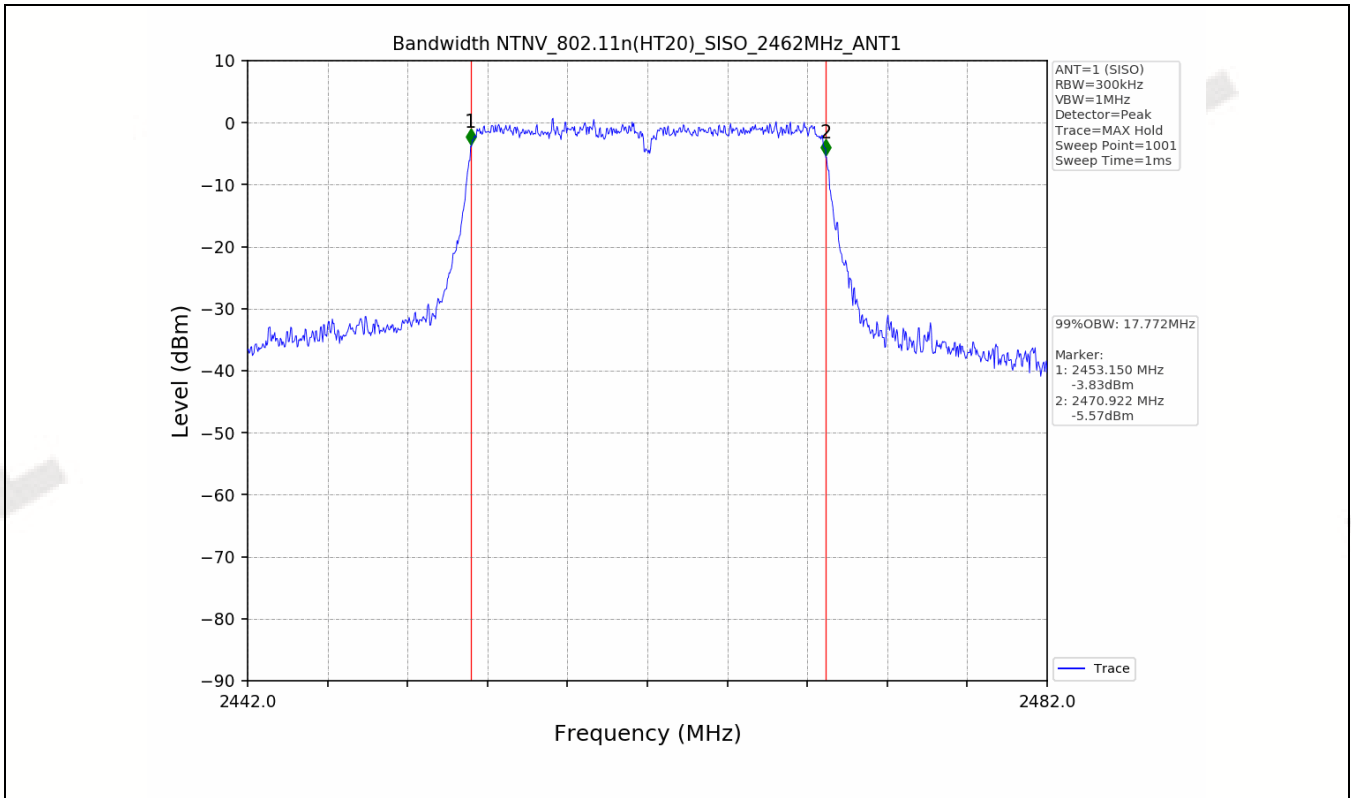


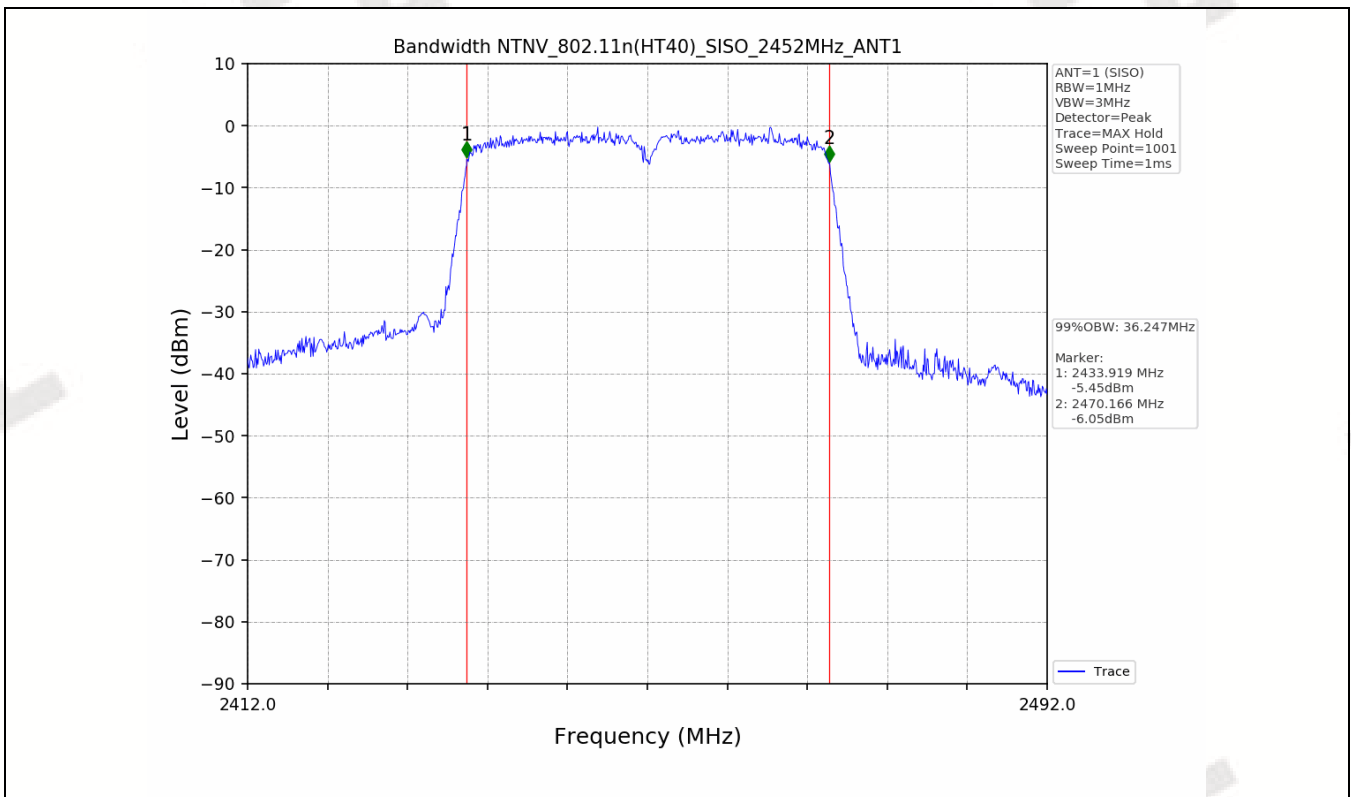
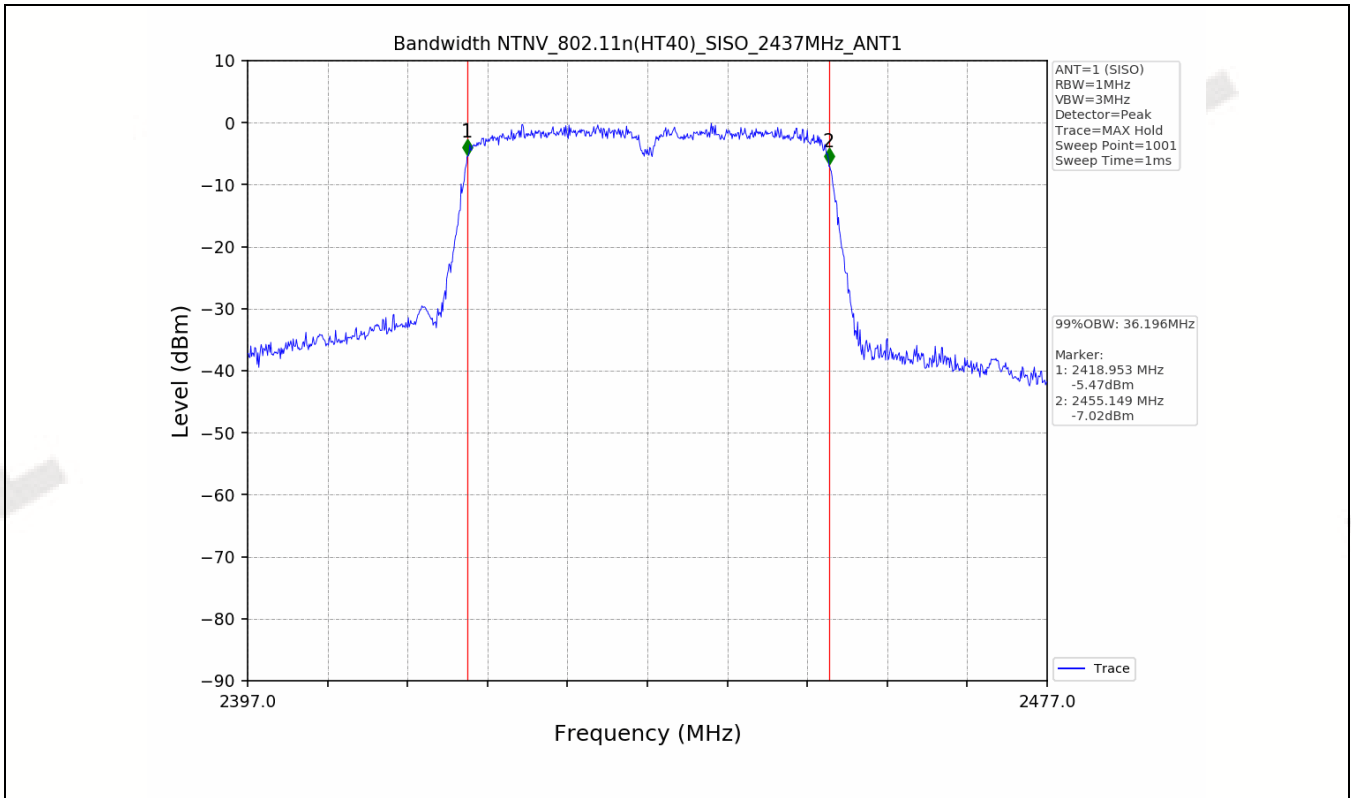










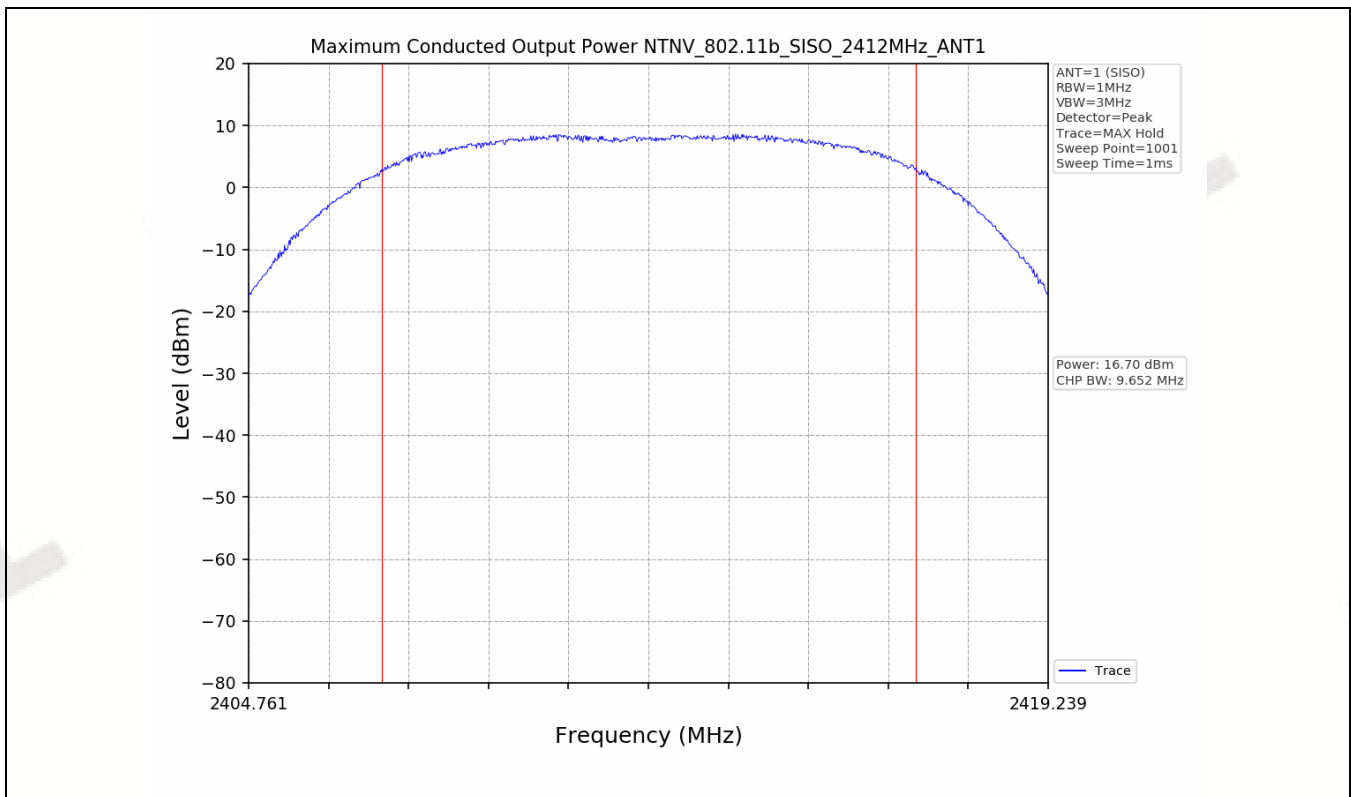


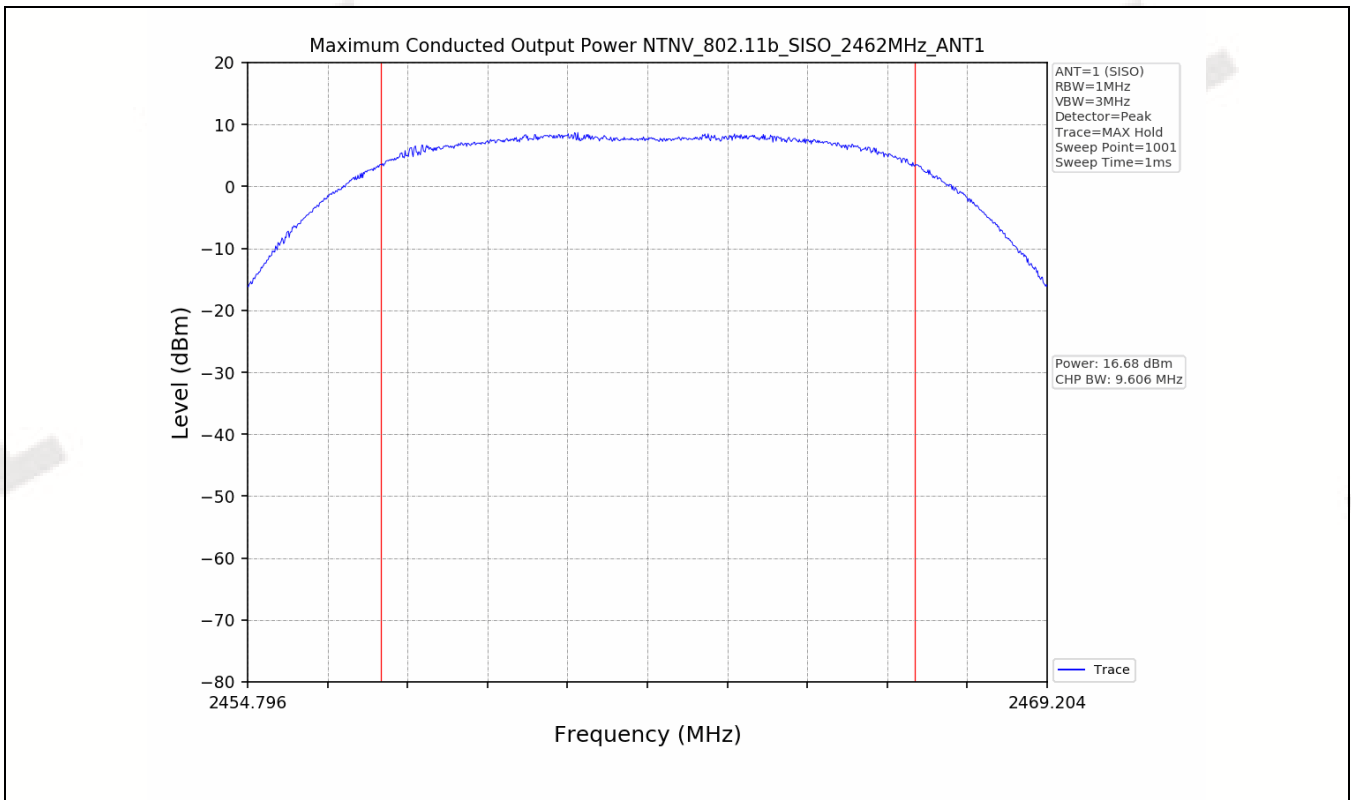
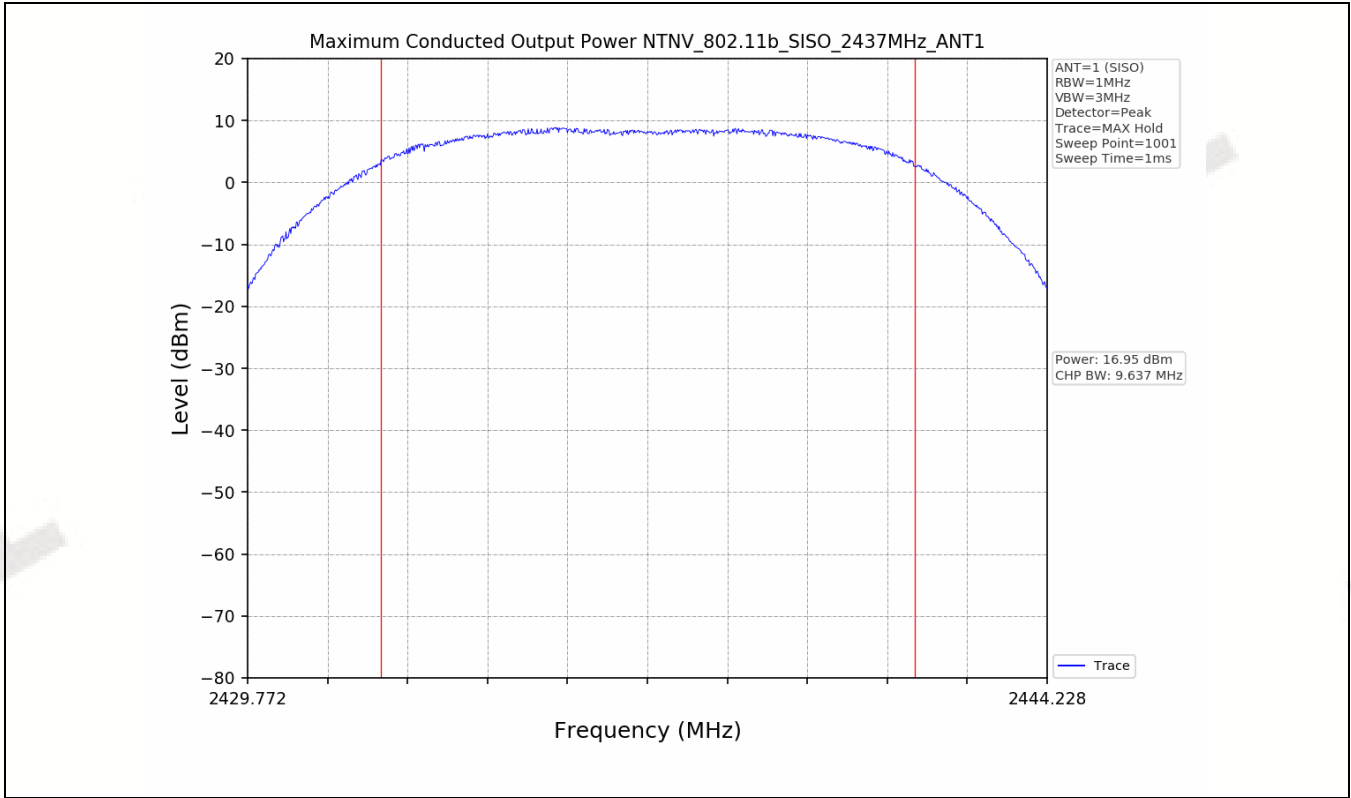
## 2. Maximum Conducted Output Power

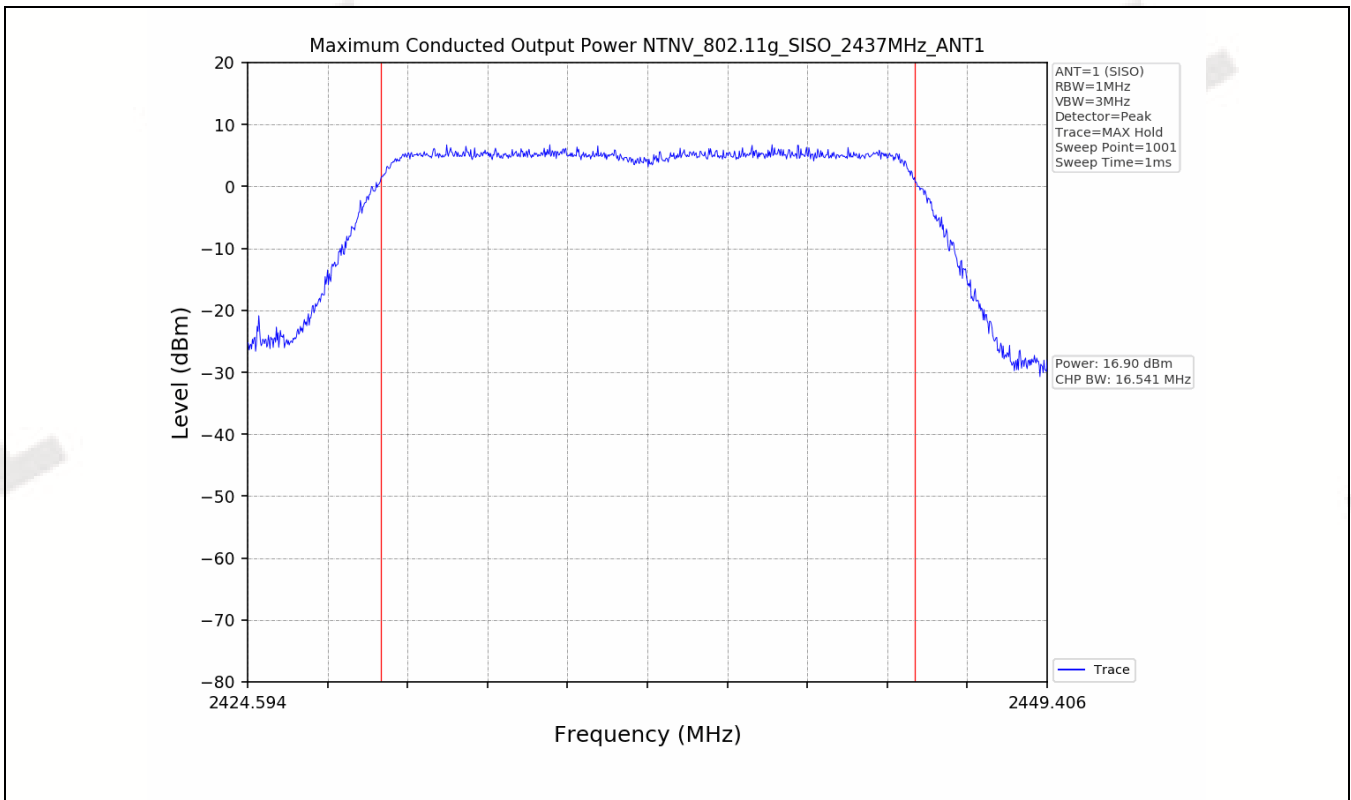
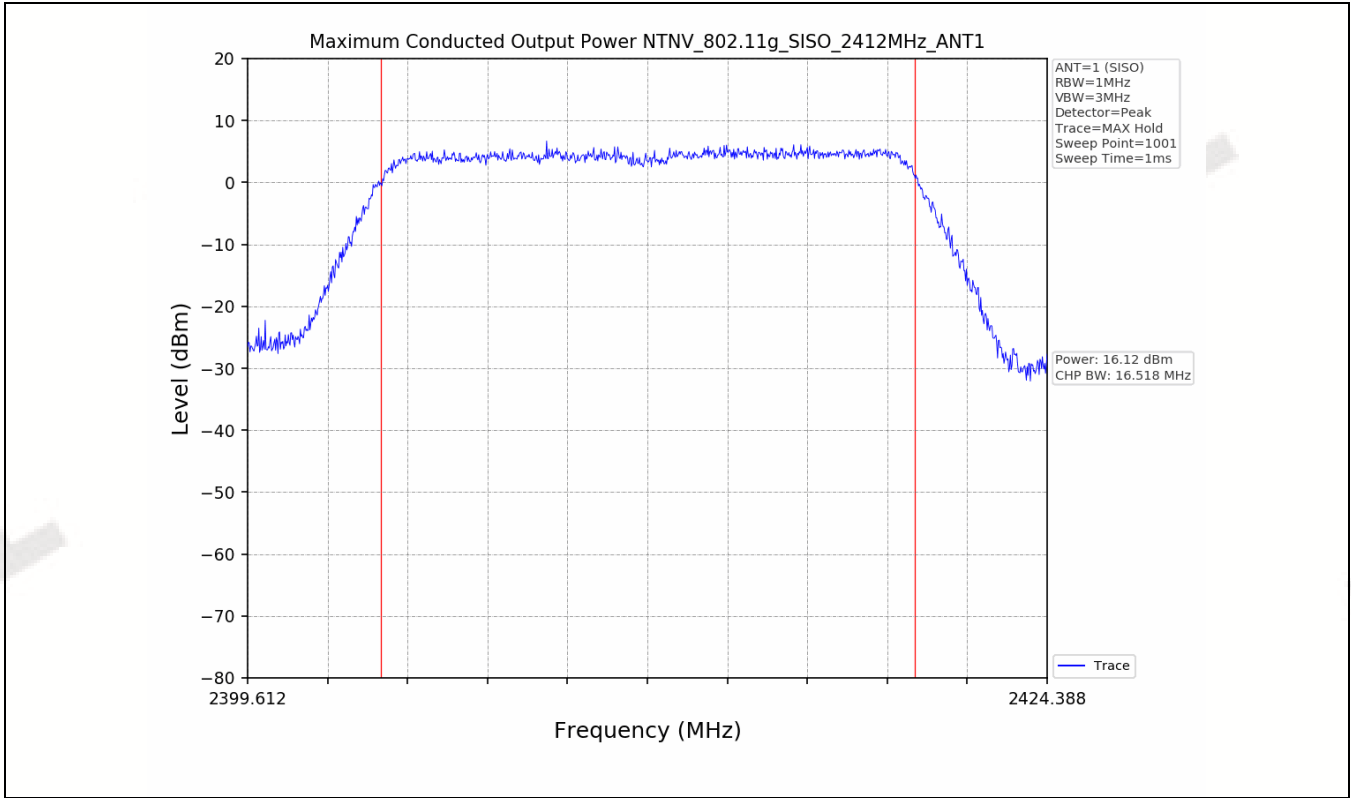
### 2.1 Test Result

| Test Mode     | Frequency (MHz) | Tx Type | Measured Peak Output Power (dBm) | Limits (dBm) | Verdict |
|---------------|-----------------|---------|----------------------------------|--------------|---------|
|               |                 |         | Ant 1                            |              |         |
| 802.11b       | 2412            | SISO    | 16.70                            | 30           | PASS    |
|               | 2437            | SISO    | 16.95                            | 30           | PASS    |
|               | 2462            | SISO    | 16.68                            | 30           | PASS    |
| 802.11g       | 2412            | SISO    | 16.12                            | 30           | PASS    |
|               | 2437            | SISO    | 16.90                            | 30           | PASS    |
|               | 2462            | SISO    | 16.75                            | 30           | PASS    |
| 802.11n(HT20) | 2412            | SISO    | 16.10                            | 30           | PASS    |
|               | 2437            | SISO    | 16.49                            | 30           | PASS    |
|               | 2462            | SISO    | 16.73                            | 30           | PASS    |
| 802.11n(HT40) | 2422            | SISO    | 15.84                            | 30           | PASS    |
|               | 2437            | SISO    | 13.00                            | 30           | PASS    |
|               | 2452            | SISO    | 12.72                            | 30           | PASS    |

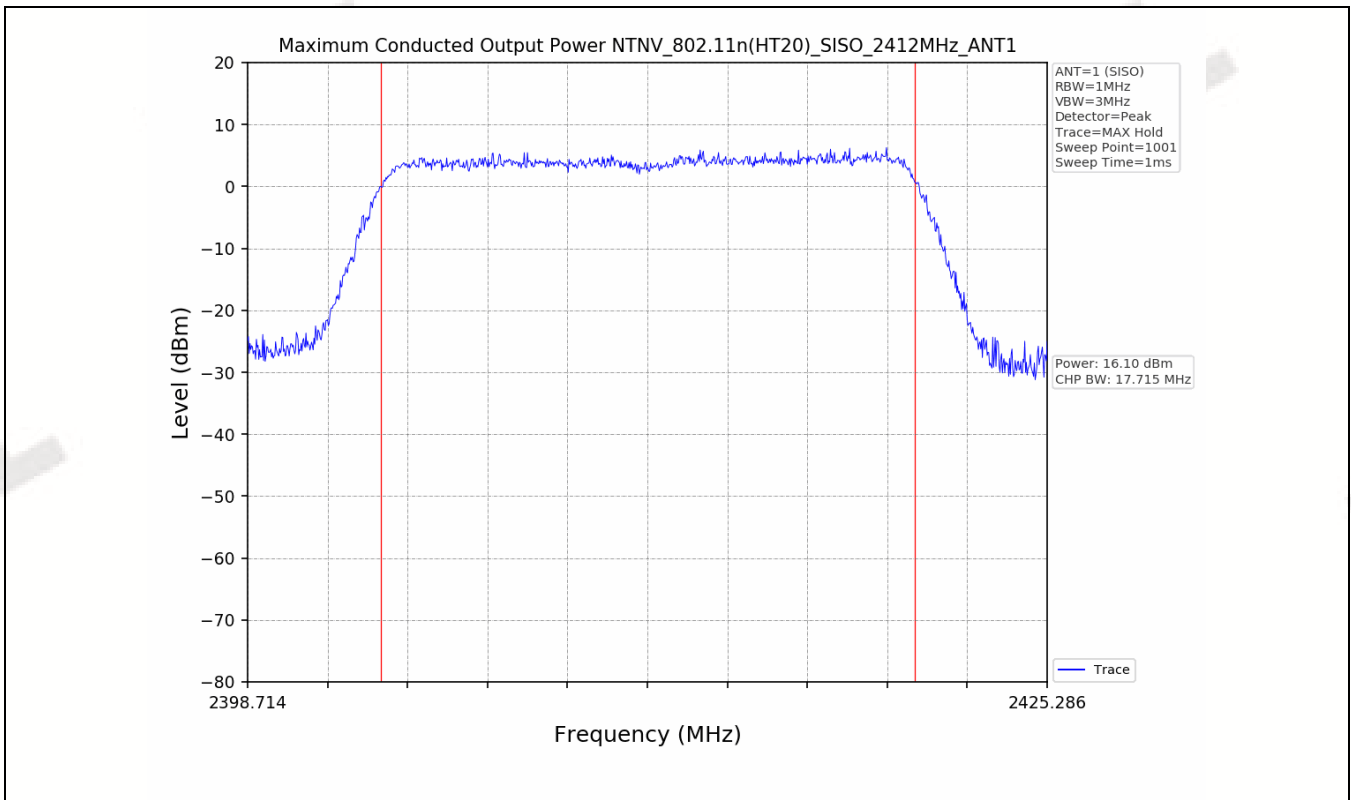
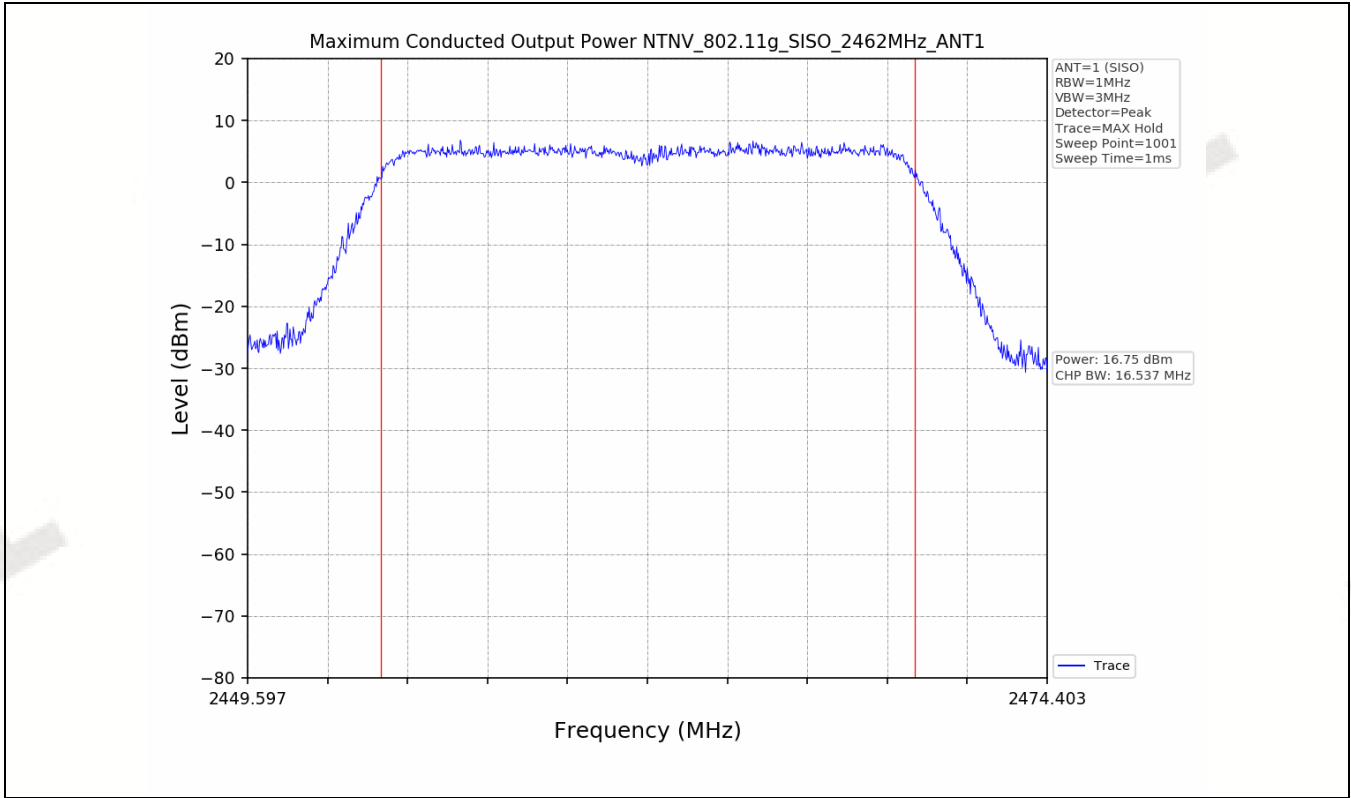
### 2.2 Test Graph

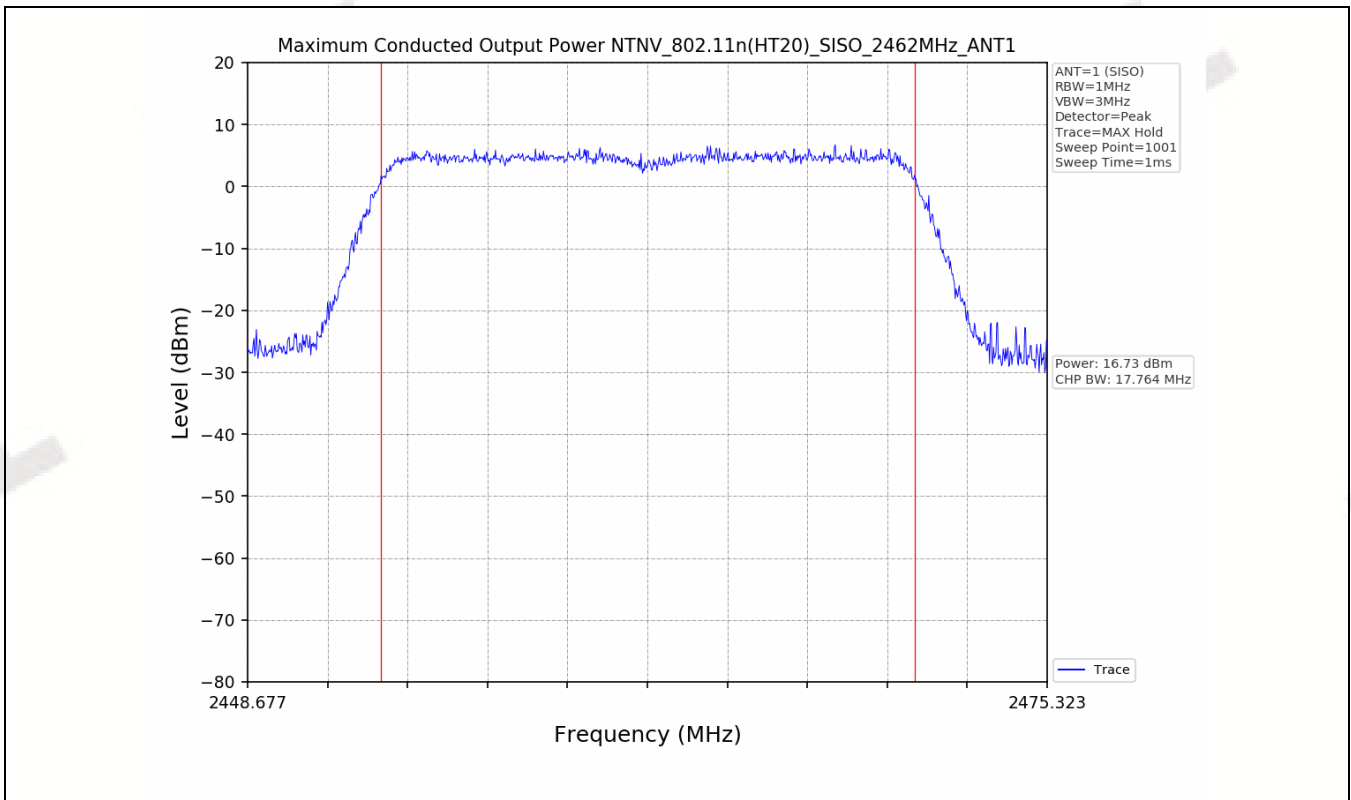
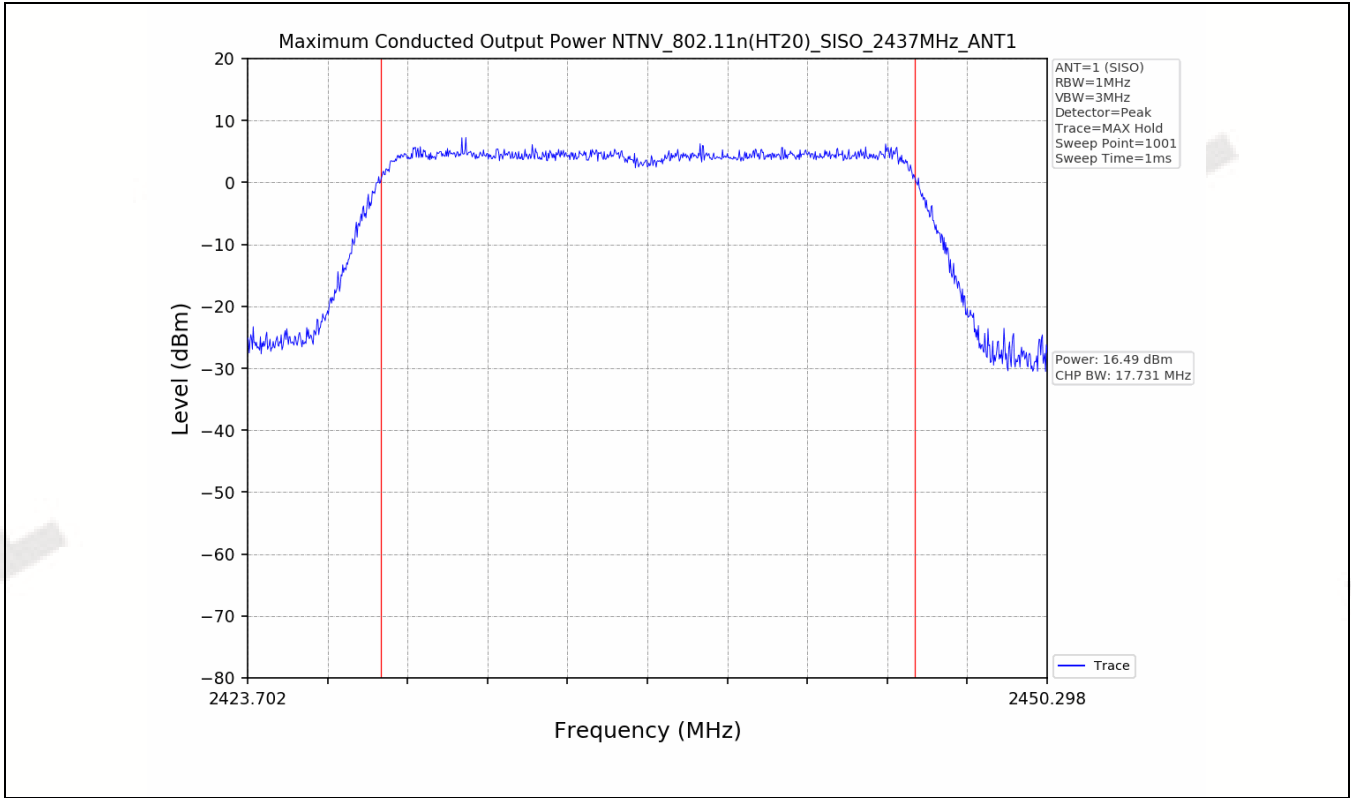


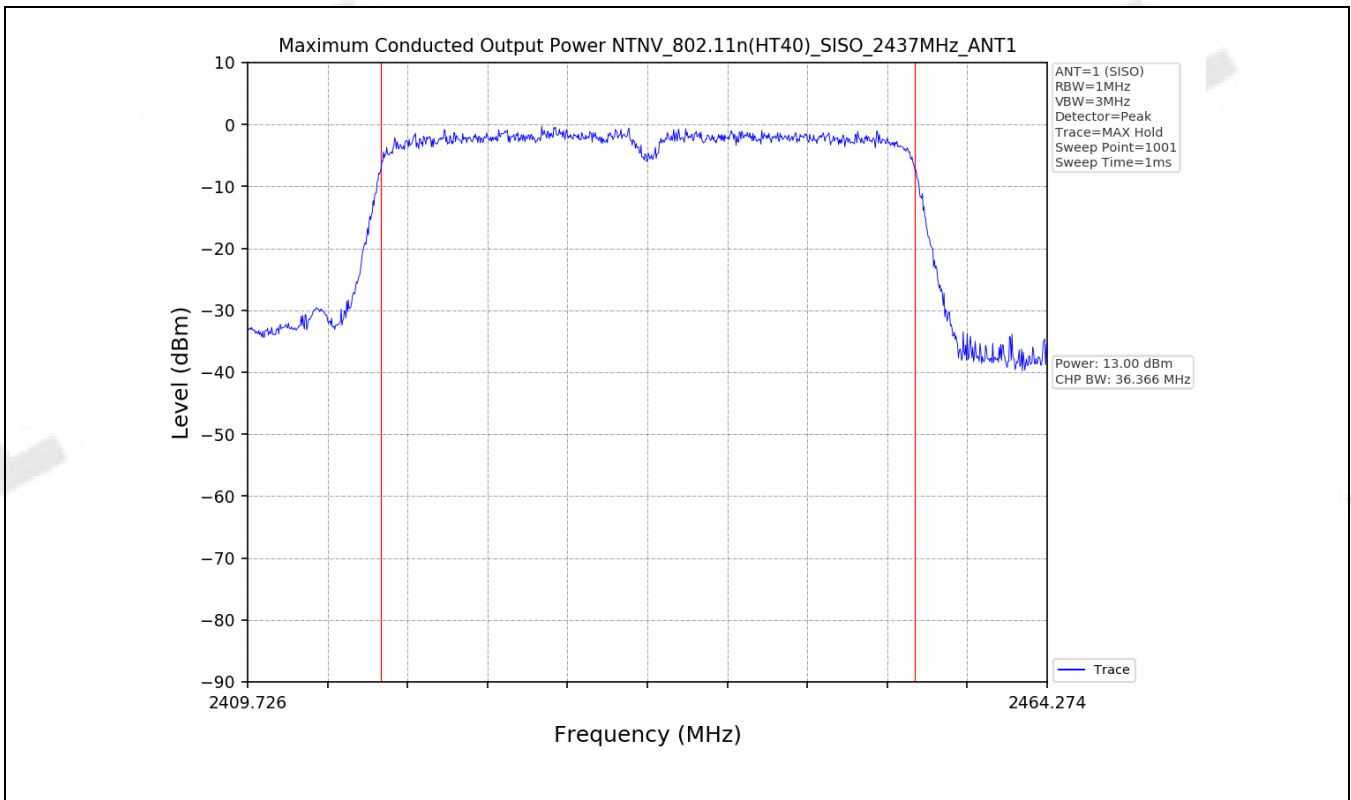
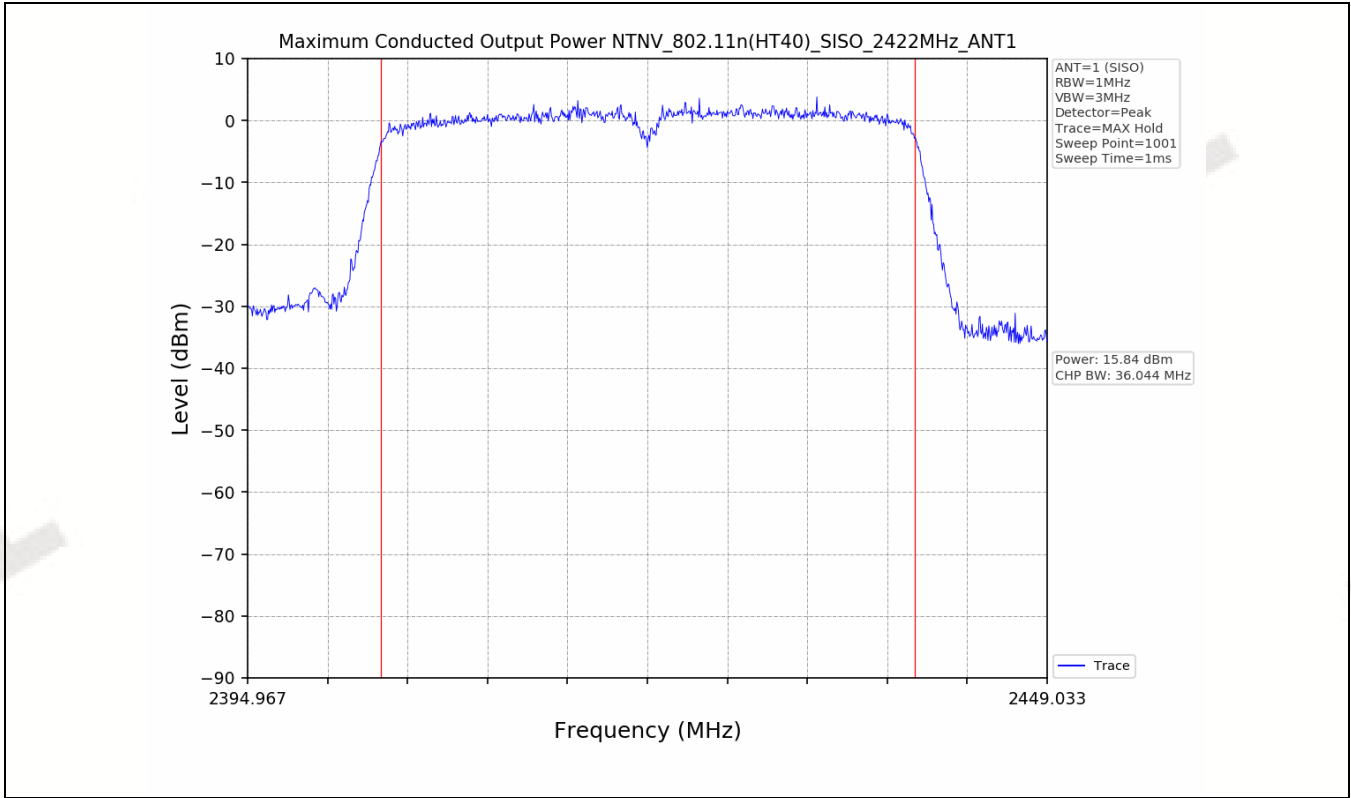


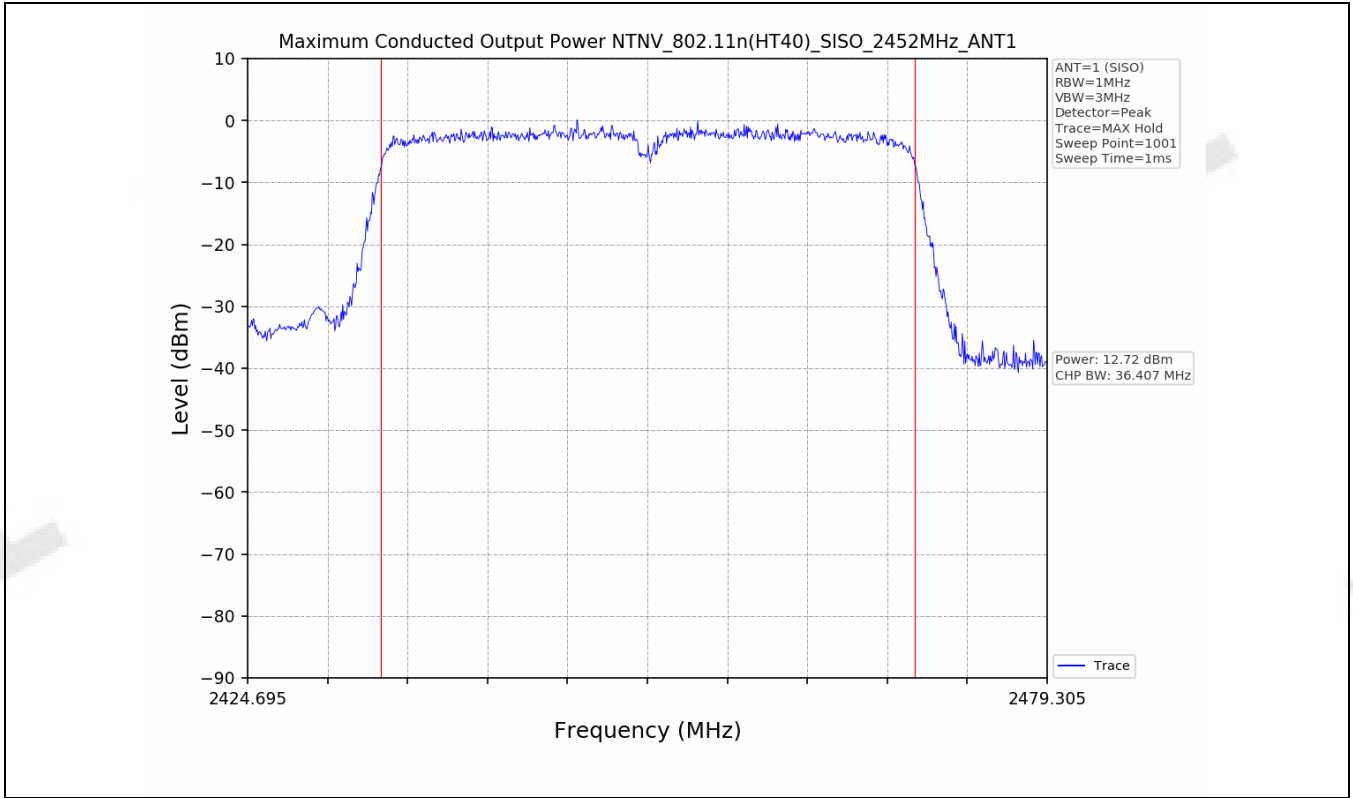










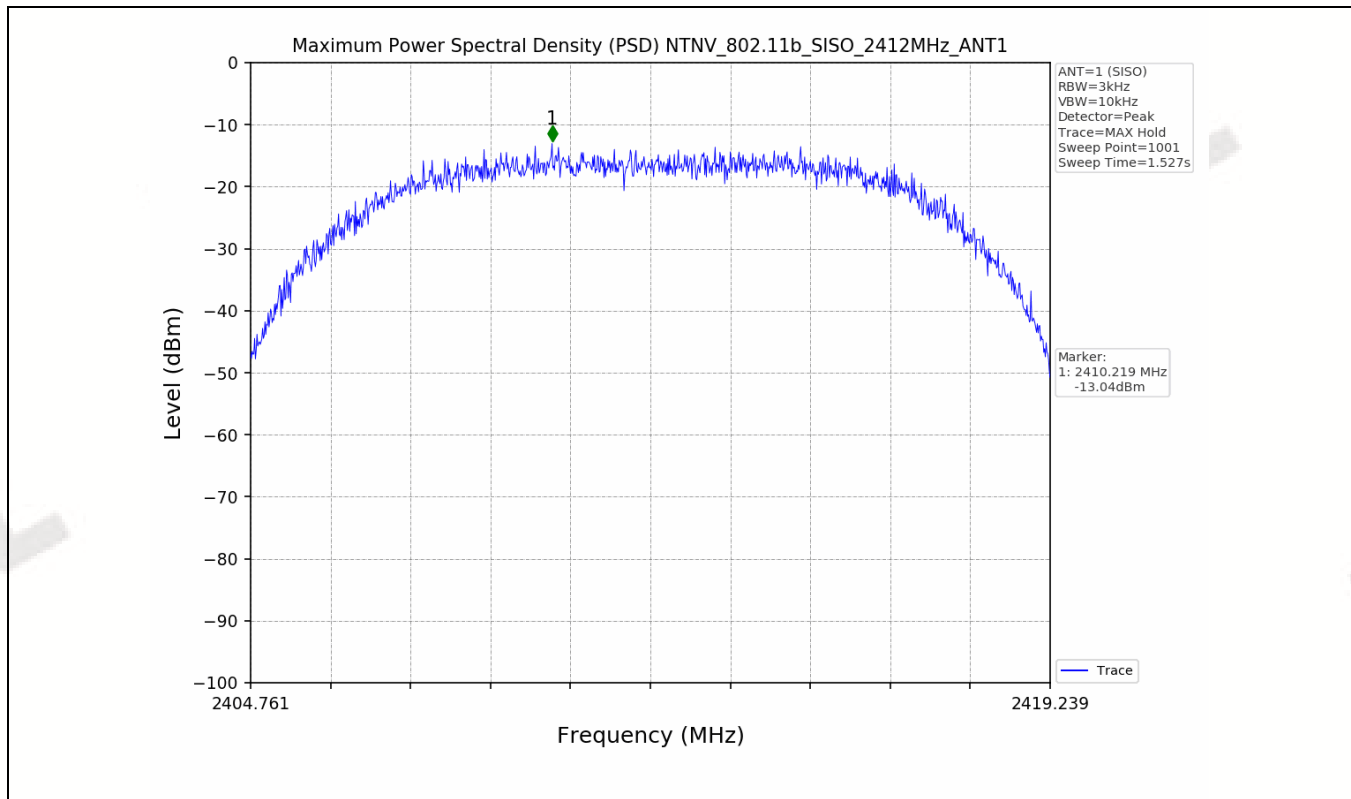


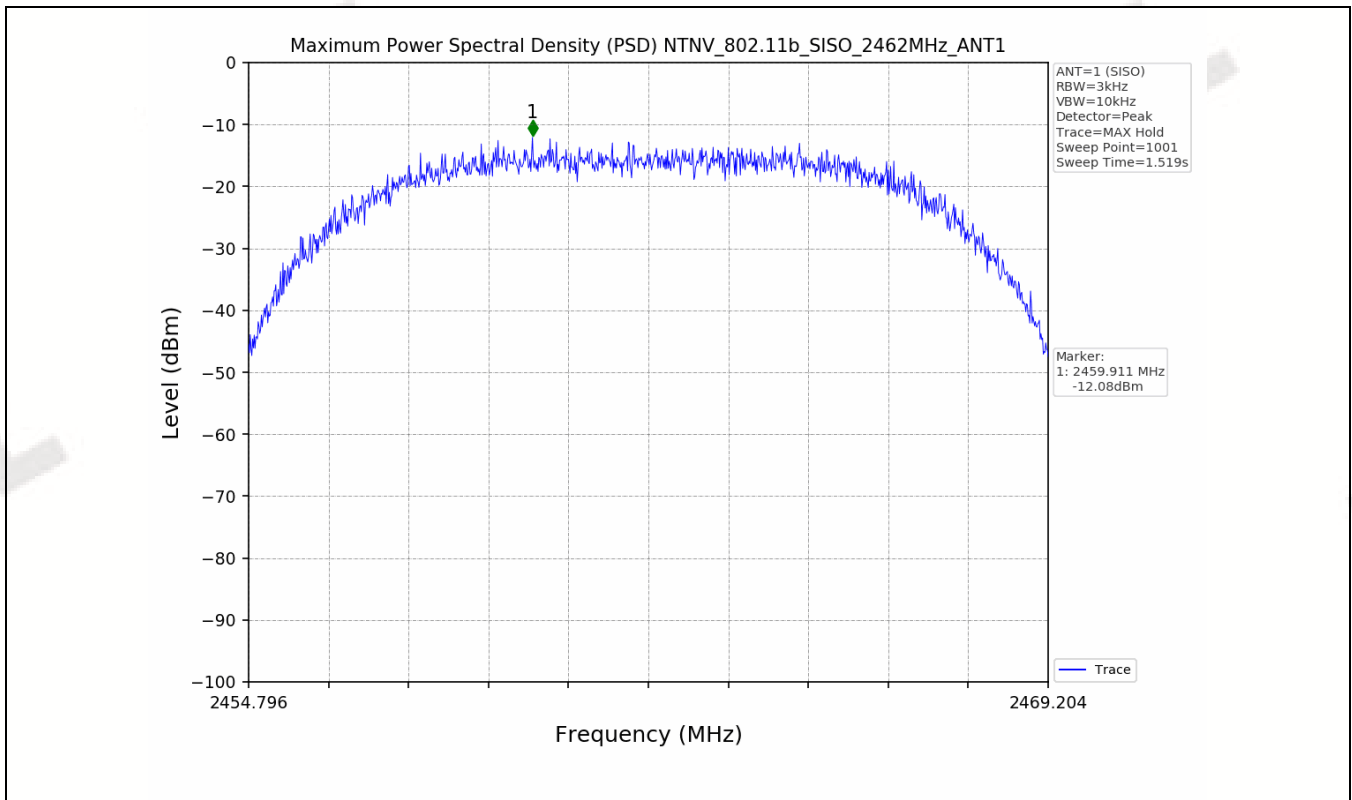
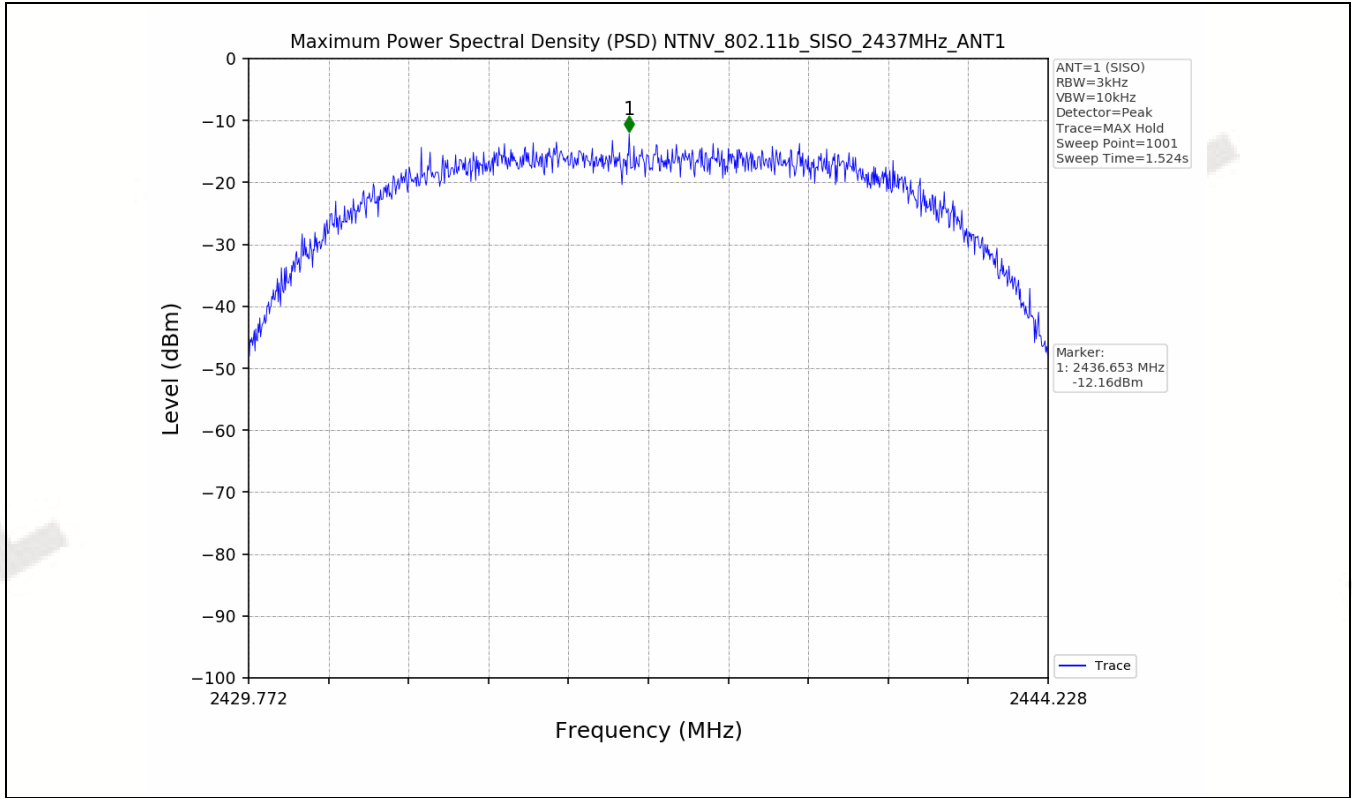
### 3. Maximum Power Spectral Density (PSD)

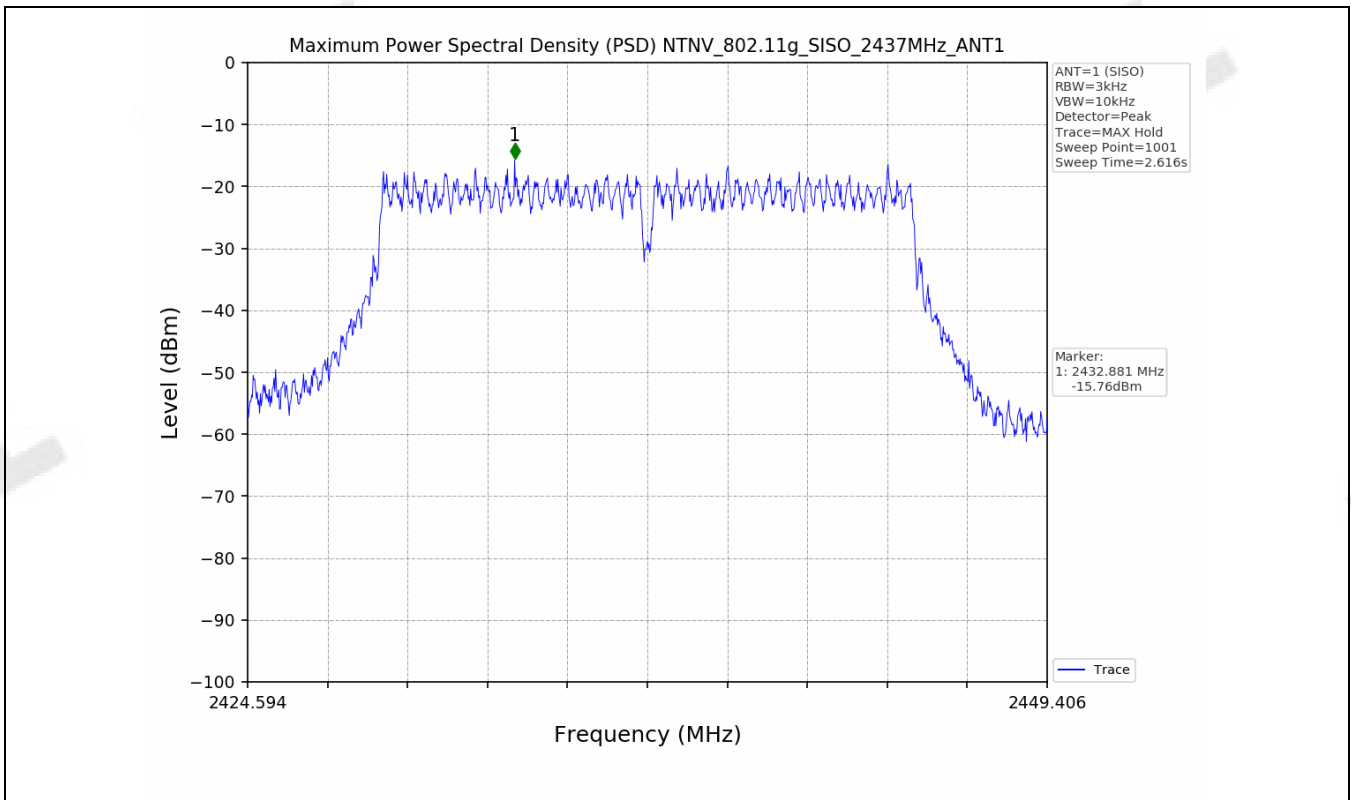
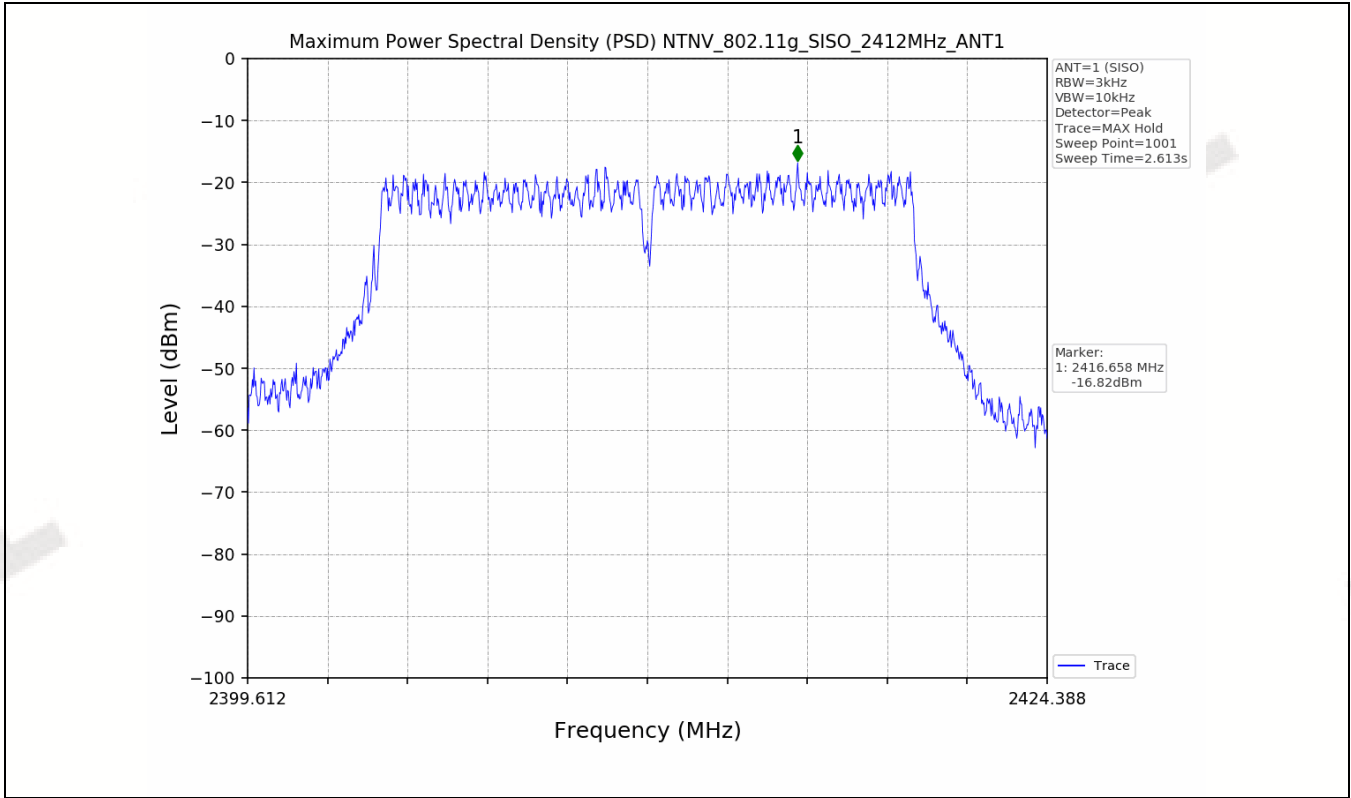
#### 3.1 Test Result

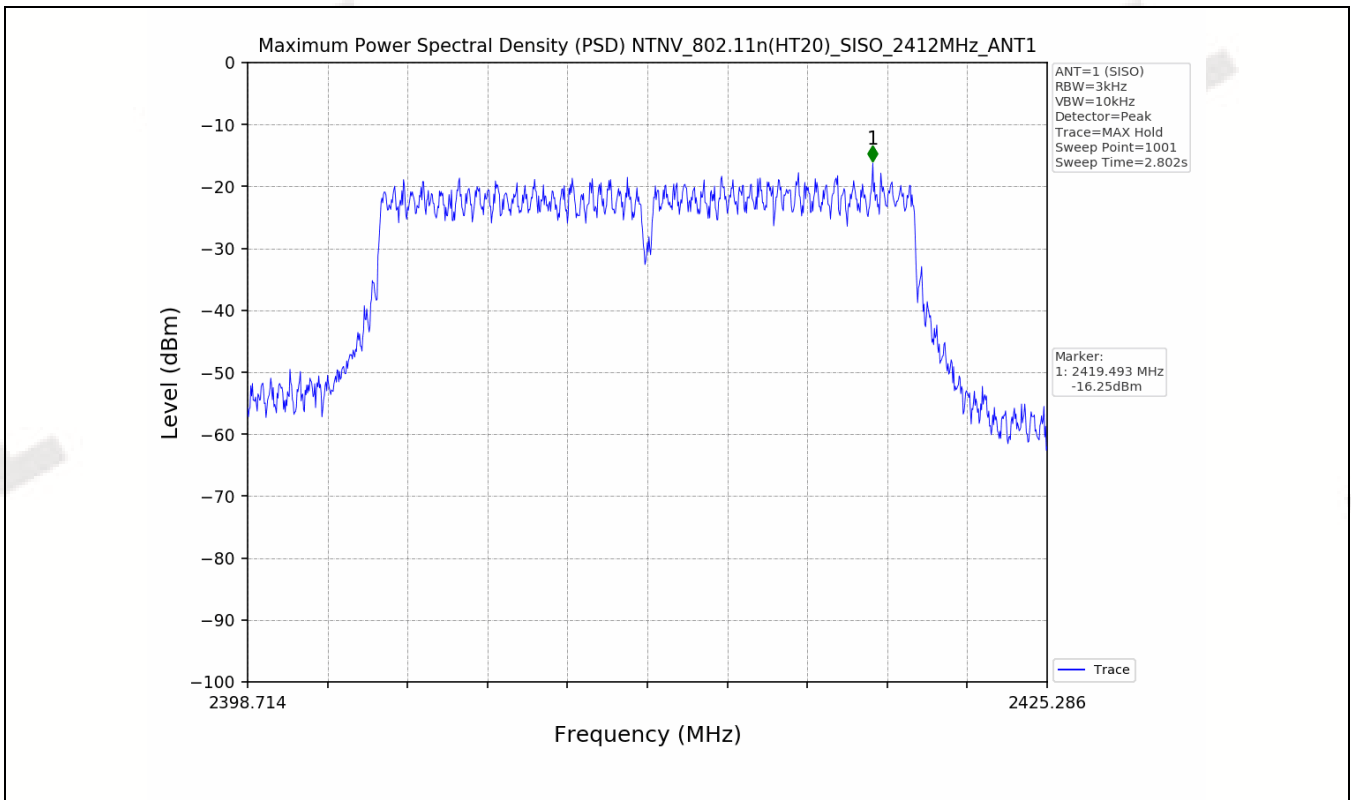
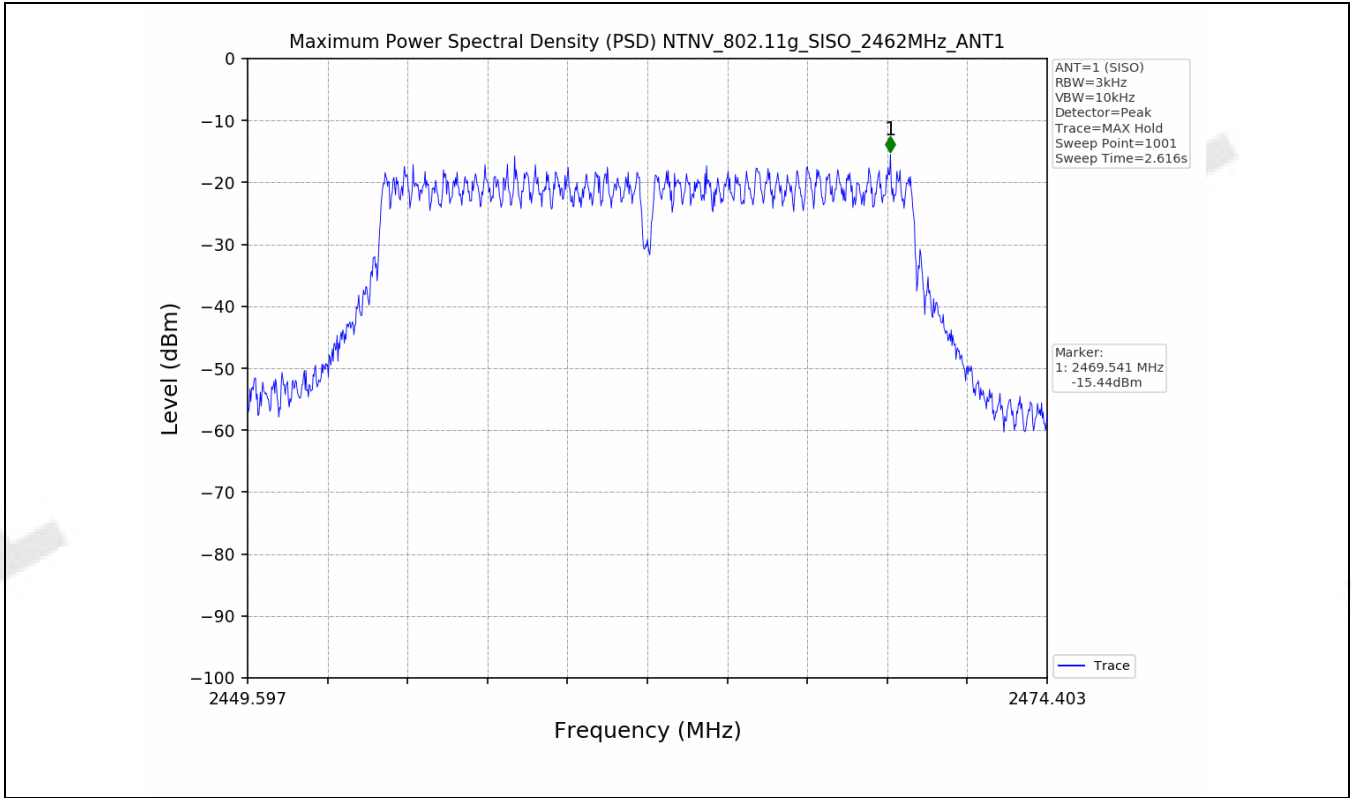
| Test Mode     | Frequency (MHz) | Tx Type | Maximum Power Spectral Density (dBm/3KHz) | Limits (dBm/3kHz) | Verdict |
|---------------|-----------------|---------|---|-------------------|---------|
|               |                 |         | Ant 1                                     |                   |         |
| 802.11b       | 2412            | SISO    | -13.04                                    | ≤8                | PASS    |
|               | 2437            | SISO    | -12.16                                    | ≤8                | PASS    |
|               | 2462            | SISO    | -12.08                                    | ≤8                | PASS    |
| 802.11g       | 2412            | SISO    | -16.82                                    | ≤8                | PASS    |
|               | 2437            | SISO    | -15.76                                    | ≤8                | PASS    |
|               | 2462            | SISO    | -15.44                                    | ≤8                | PASS    |
| 802.11n(HT20) | 2412            | SISO    | -16.25                                    | ≤8                | PASS    |
|               | 2437            | SISO    | -16.86                                    | ≤8                | PASS    |
|               | 2462            | SISO    | -16.56                                    | ≤8                | PASS    |
| 802.11n(HT40) | 2422            | SISO    | -22.41                                    | ≤8                | PASS    |
|               | 2437            | SISO    | -23.07                                    | ≤8                | PASS    |
|               | 2452            | SISO    | -23.33                                    | ≤8                | PASS    |

#### 3.2 Test Graph

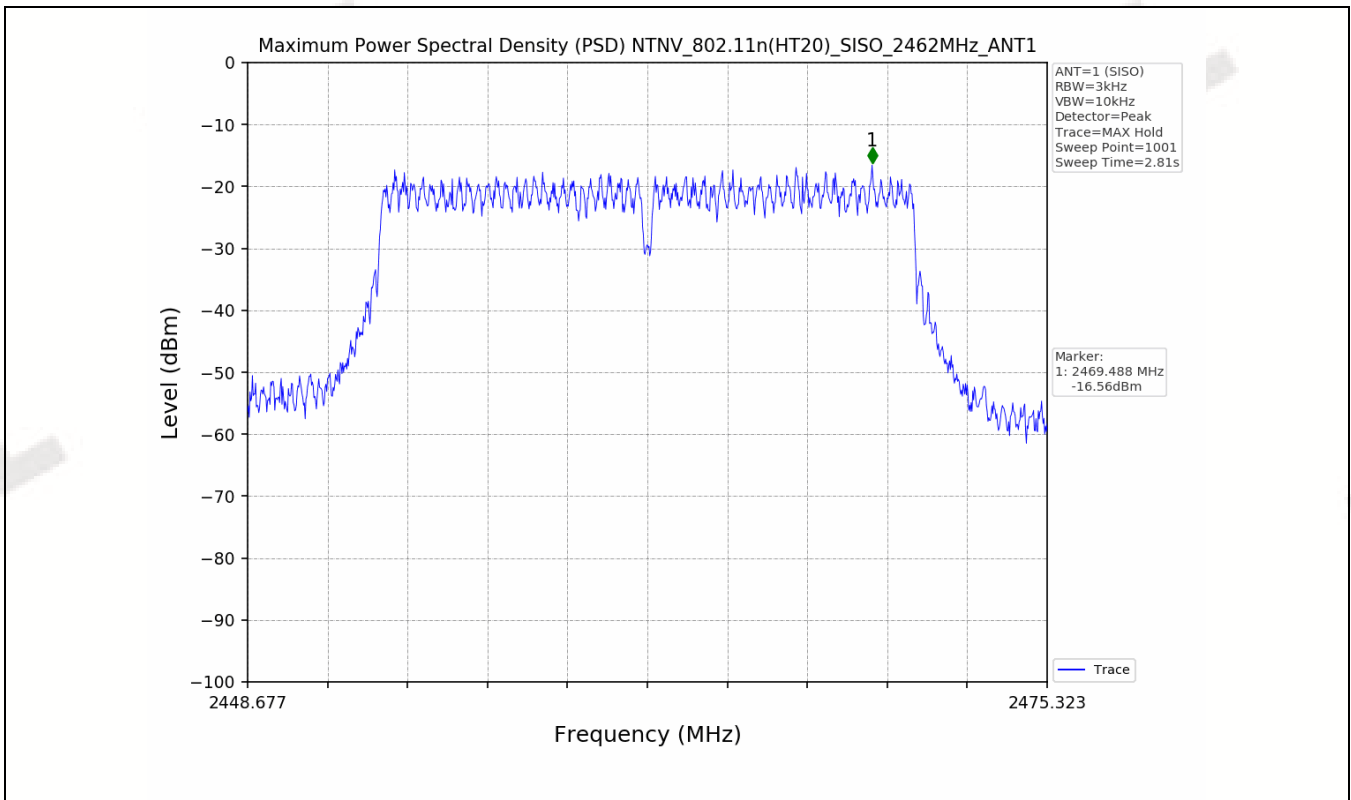
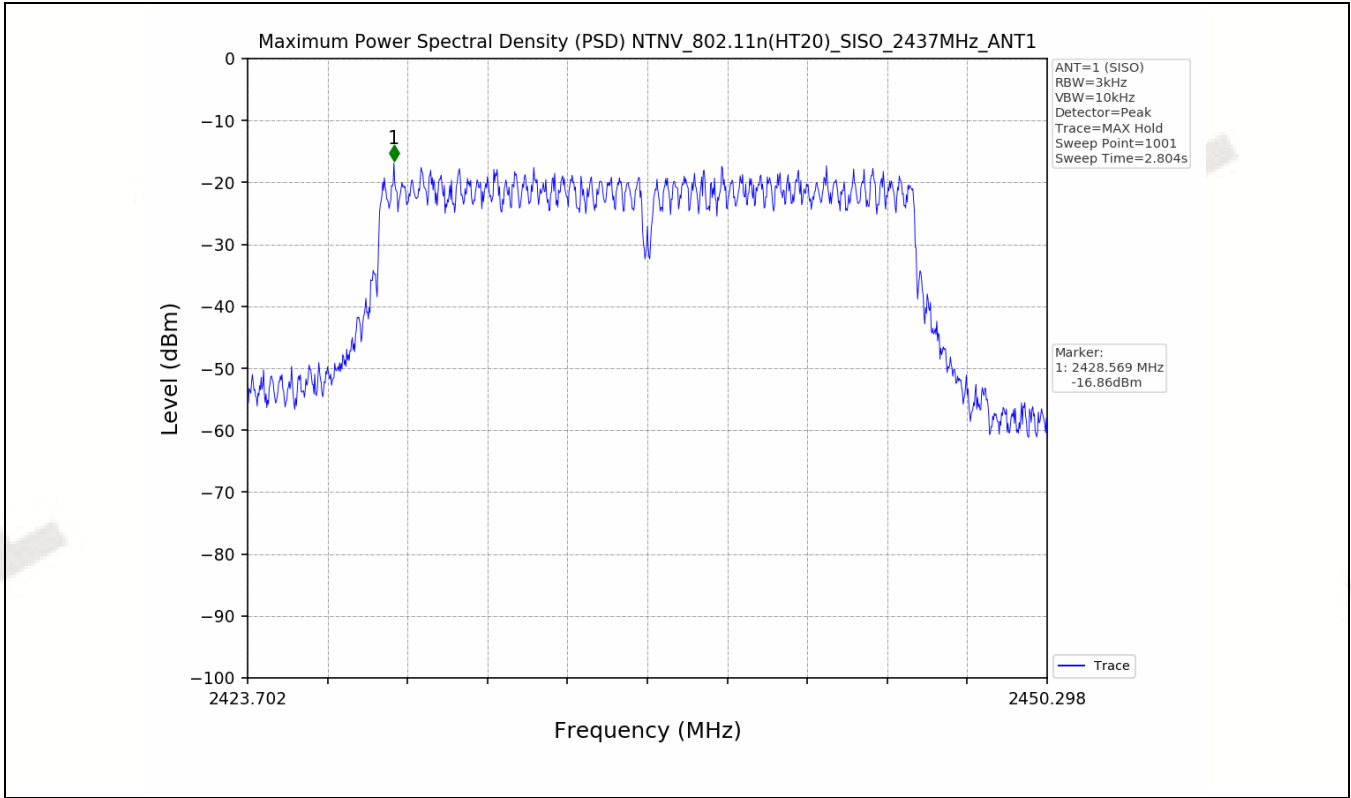


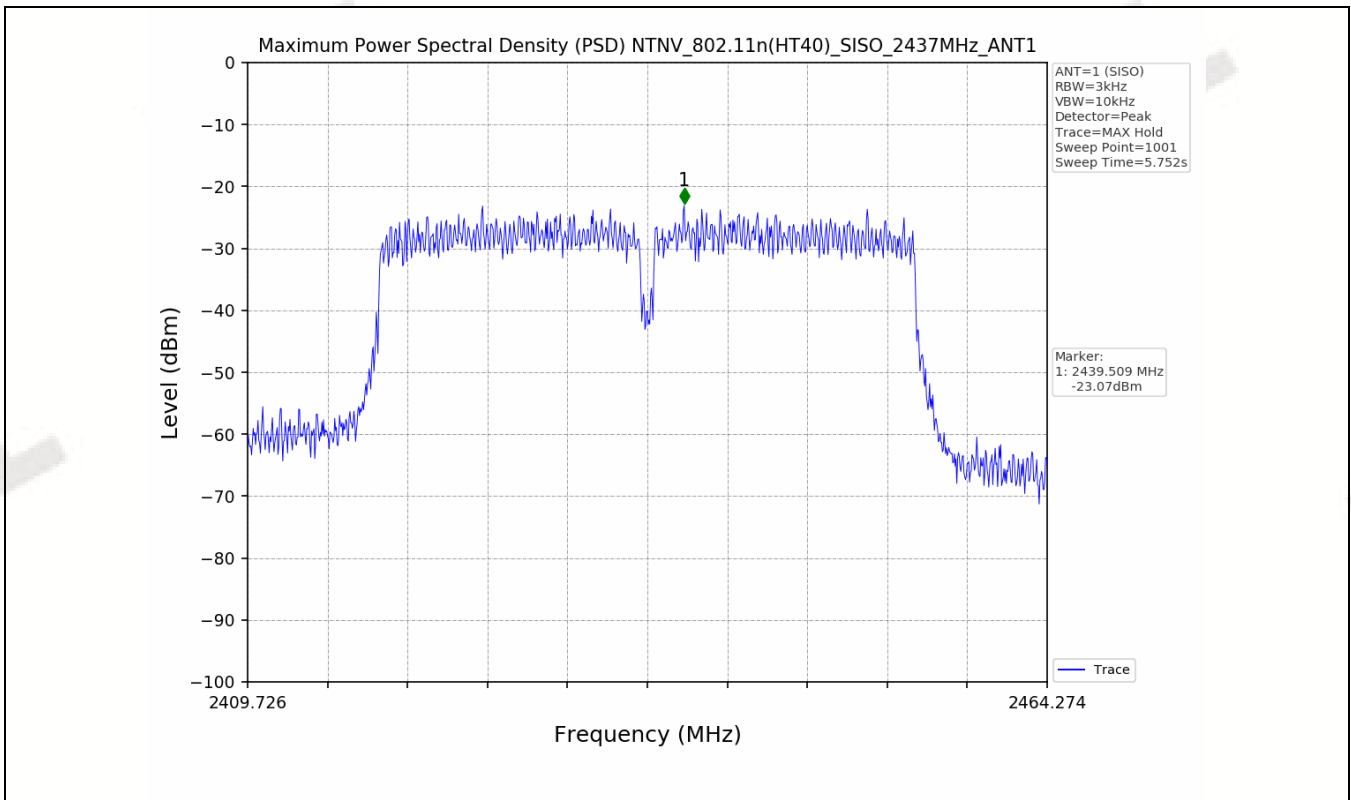
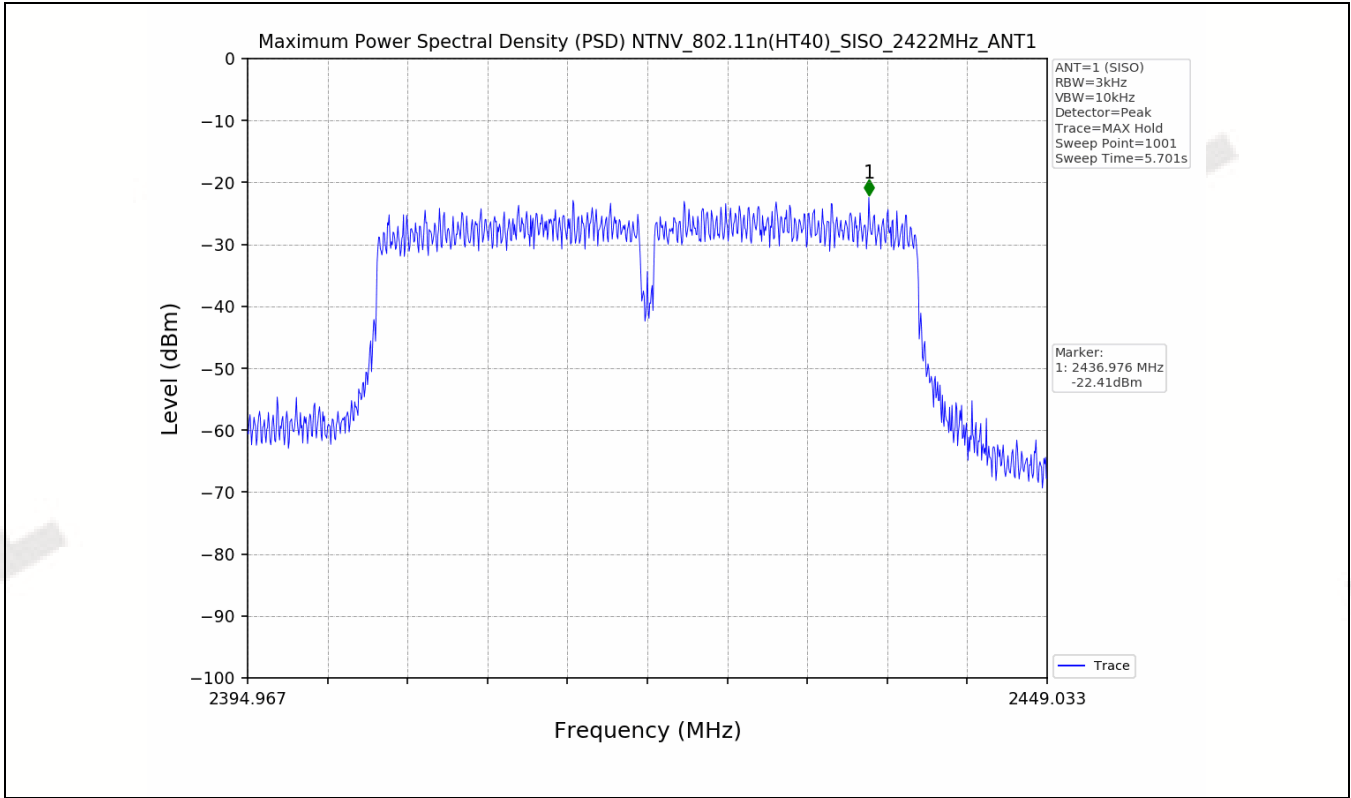


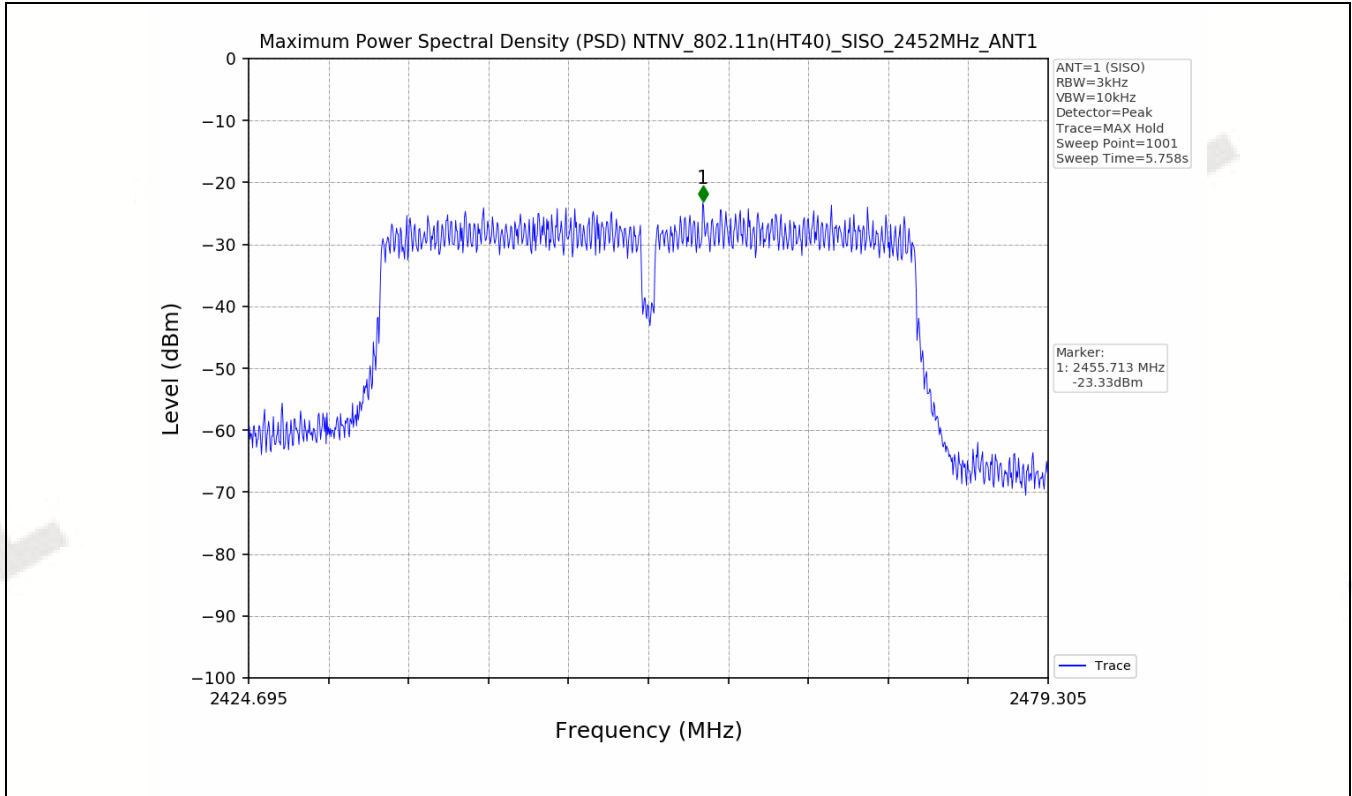












#### 4. Unwanted Emissions in Non-restricted Frequency Bands

##### 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               | -17.83       | PASS    |
|               | 2437            | SISO    | 1       | Refer to test graph               | -17.83       | PASS    |
|               | 2462            | SISO    | 1       | Refer to test graph               | -17.83       | PASS    |
| 802.11g       | 2412            | SISO    | 1       | Refer to test graph               | -22.96       | PASS    |
|               | 2437            | SISO    | 1       | Refer to test graph               | -22.96       | PASS    |
|               | 2462            | SISO    | 1       | Refer to test graph               | -22.96       | PASS    |
| 802.11n(HT20) | 2412            | SISO    | 1       | Refer to test graph               | -23.04       | PASS    |
|               | 2437            | SISO    | 1       | Refer to test graph               | -23.04       | PASS    |
|               | 2462            | SISO    | 1       | Refer to test graph               | -23.04       | PASS    |
| 802.11n(HT40) | 2422            | SISO    | 1       | Refer to test graph               | -29.02       | PASS    |
|               | 2437            | SISO    | 1       | Refer to test graph               | -29.02       | PASS    |
|               | 2452            | SISO    | 1       | Refer to test graph               | -29.02       | PASS    |

##### 4.2 Test Graph

