

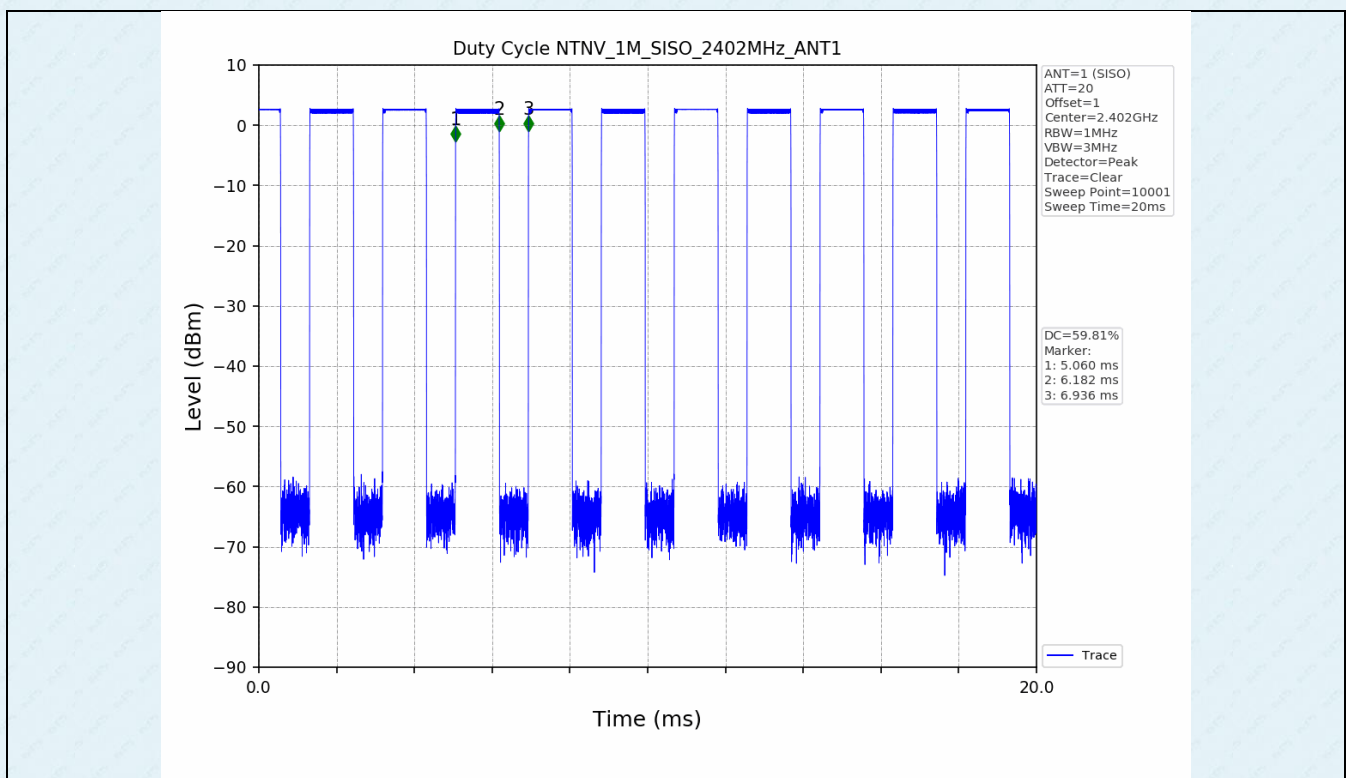
## Appendix for 15.247

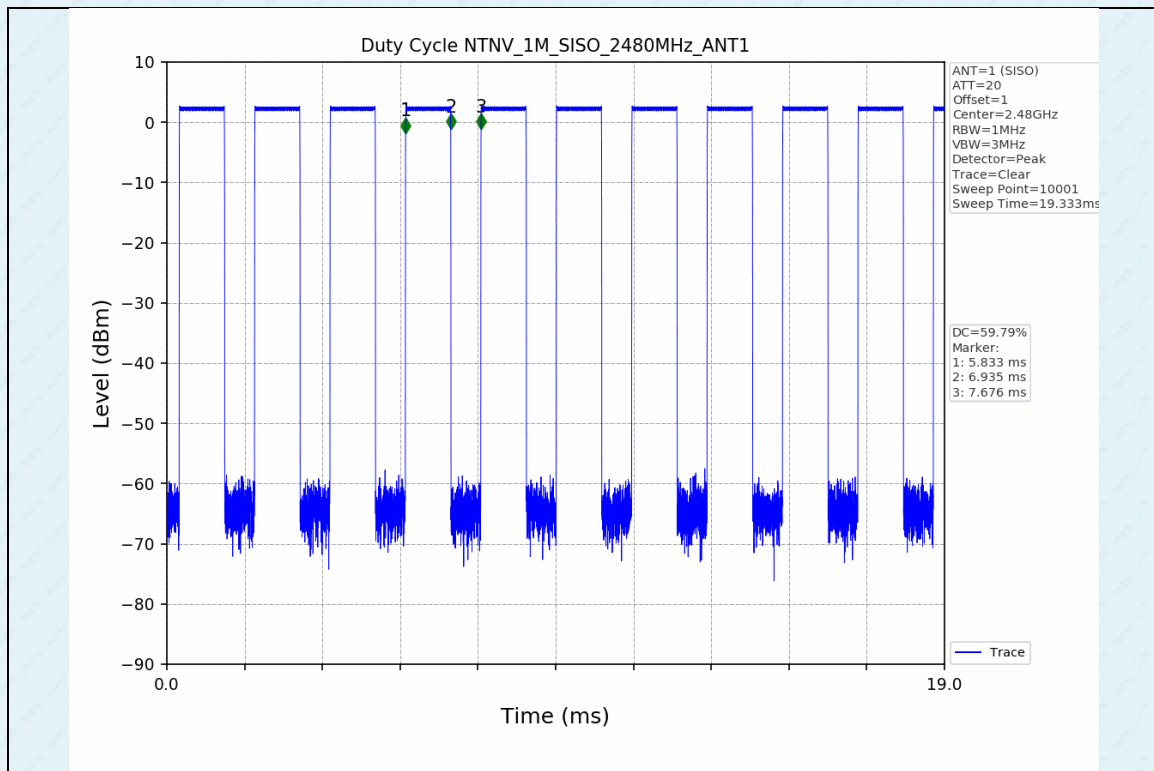
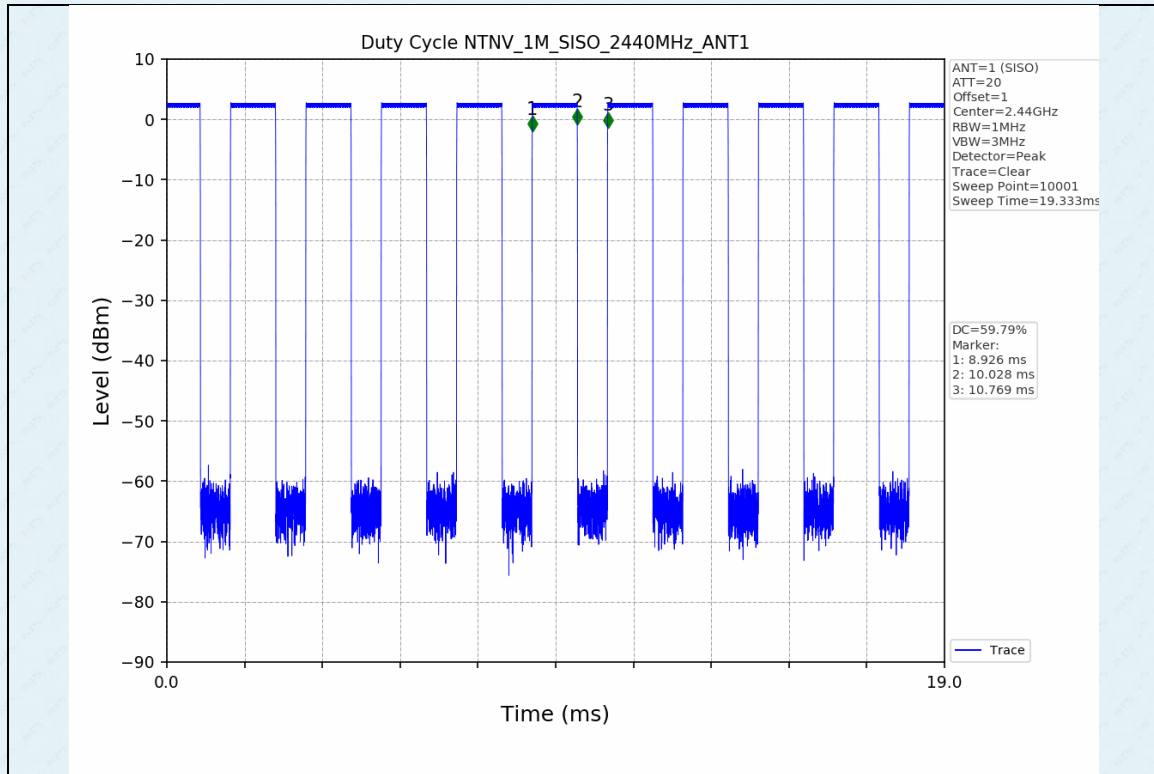
### 1. Duty Cycle

#### 1.1 Test Result

| Test Mode | Channel Frequency(M Hz) | TX Type | ANT No. | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) |
|-----------|-------------------------|---------|---------|-----------|-------------|----------------|-----------------------------------|
| GFSK      | 2402                    | SISO    | 1       | 1.122     | 1.876       | 59.81          | 2.23                              |
|           | 2440                    | SISO    | 1       | 1.102     | 1.843       | 59.79          | 2.23                              |
|           | 2480                    | SISO    | 1       | 1.102     | 1.843       | 59.79          | 2.23                              |

#### 1.2 Test Graph





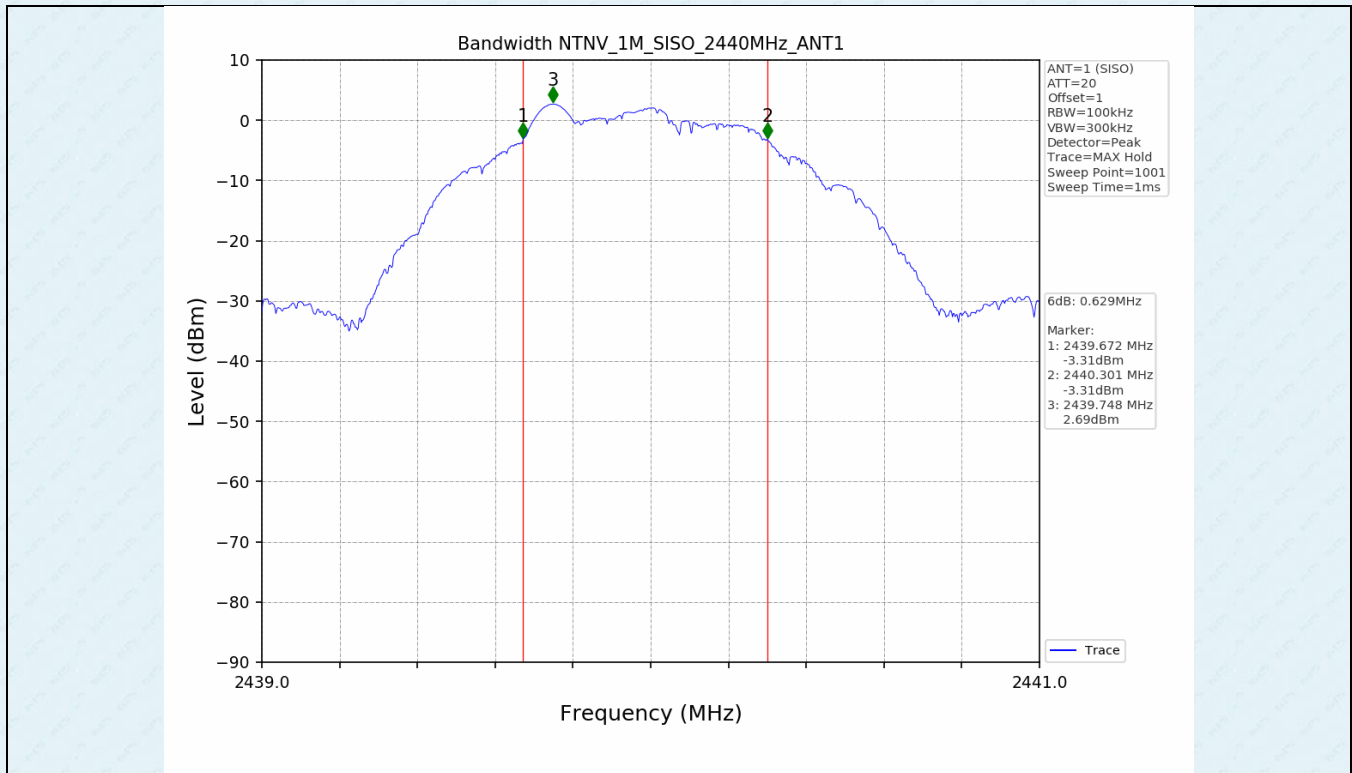
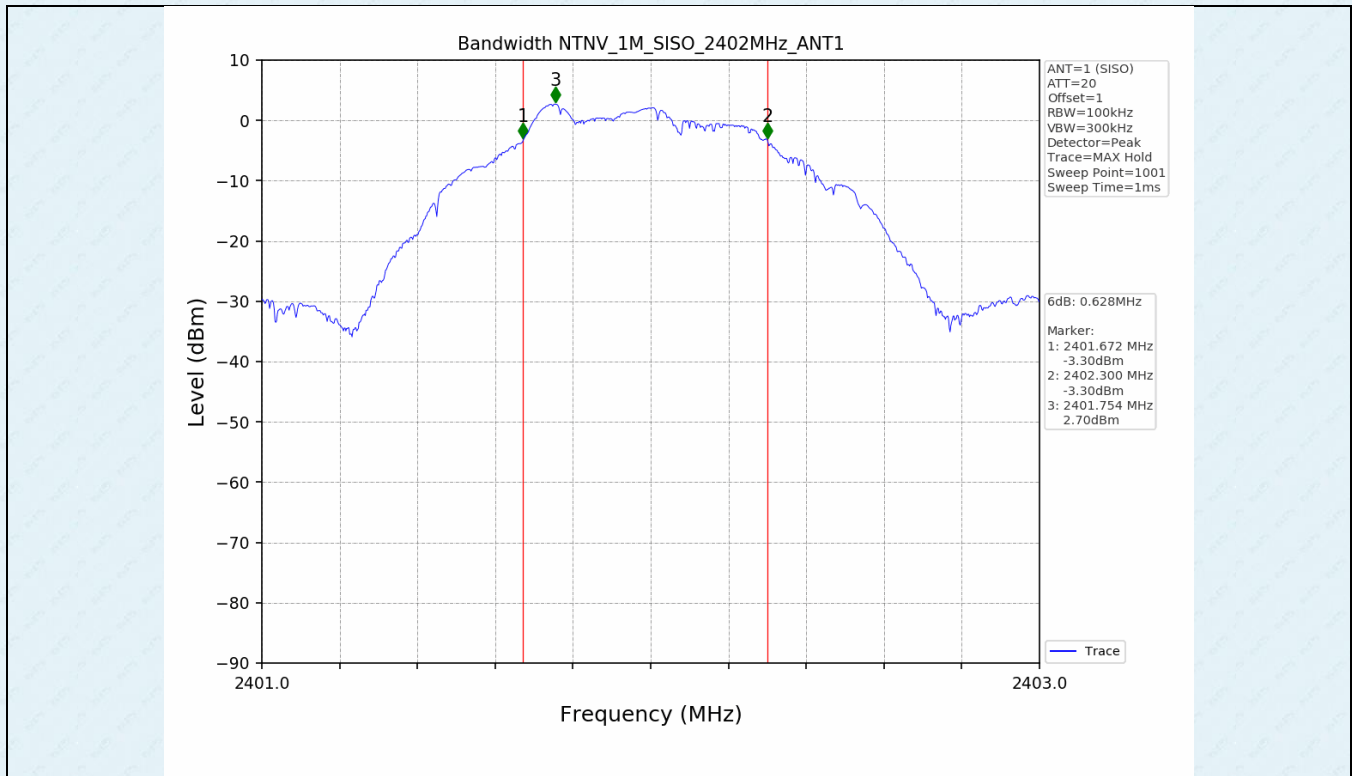
## 2. Bandwidth

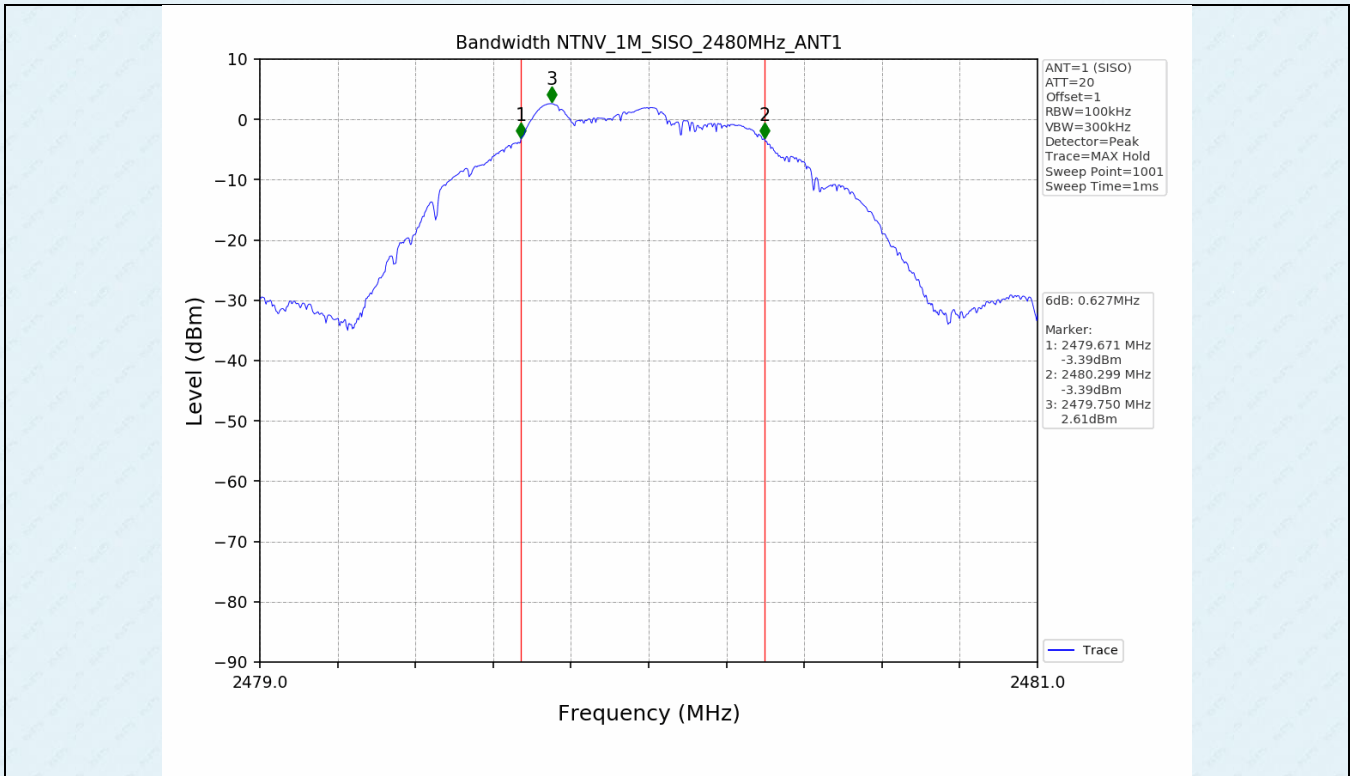
### 2.1 Test Result

| Test Mode | Frequency (MHz) | TX Type | ANT No. | 6dB Bandwidth     |              | Verdict |
|-----------|-----------------|---------|---------|-------------------|--------------|---------|
|           |                 |         |         | Test Result (MHz) | Limits (MHz) |         |
| GFSK      | 2402            | SISO    | 1       | 0.628             | ≥0.5         | PASS    |
|           | 2440            | SISO    | 1       | 0.629             | ≥0.5         | PASS    |
|           | 2480            | SISO    | 1       | 0.627             | ≥0.5         | PASS    |

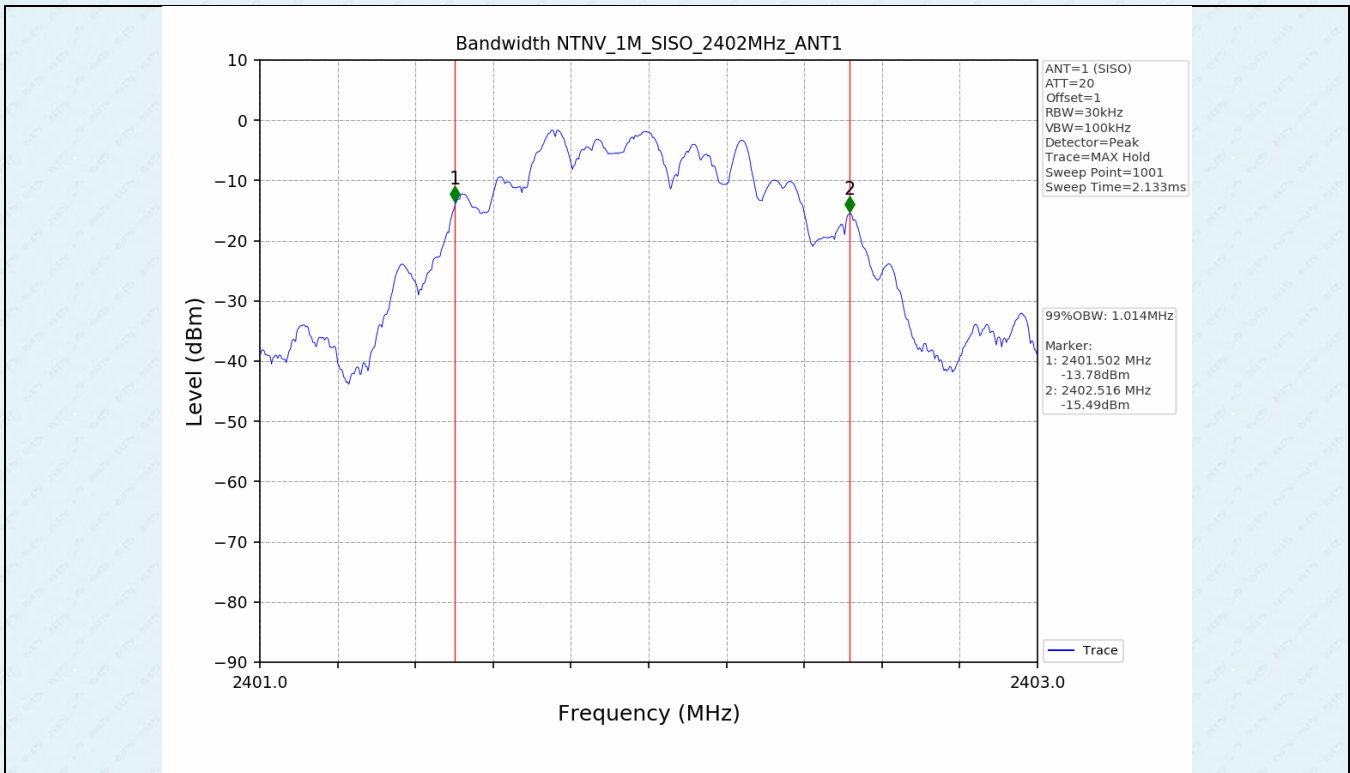
| Test Mode | Frequency (MHz) | TX Type | ANT No. | 99% Occupied Bandwidth |                     |
|-----------|-----------------|---------|---------|------------------------|---------------------|
|           |                 |         |         | Test Result (MHz)      |                     |
| GFSK      | 2402            | SISO    | 1       | 1.014                  | Only for Report Use |
|           | 2440            | SISO    | 1       | 1.011                  | Only for Report Use |
|           | 2480            | SISO    | 1       | 1.016                  | Only for Report Use |

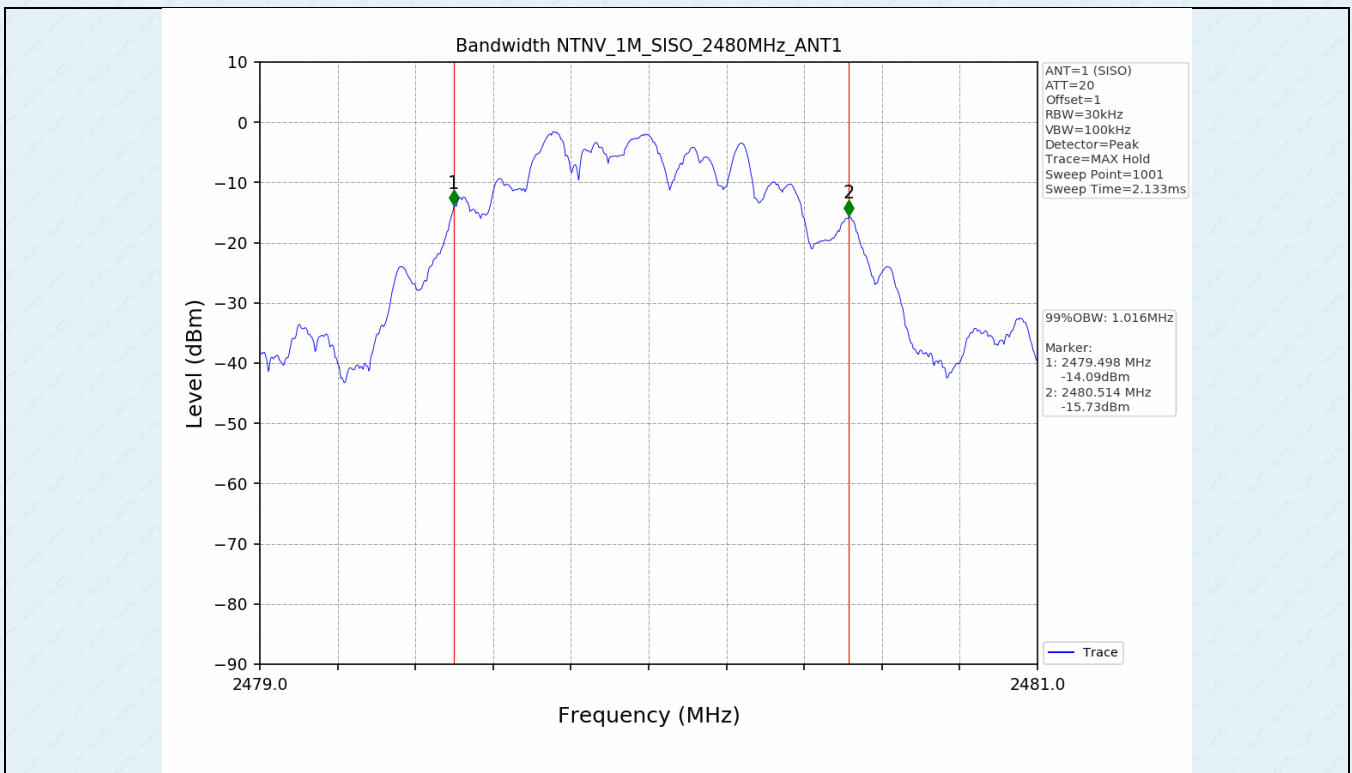
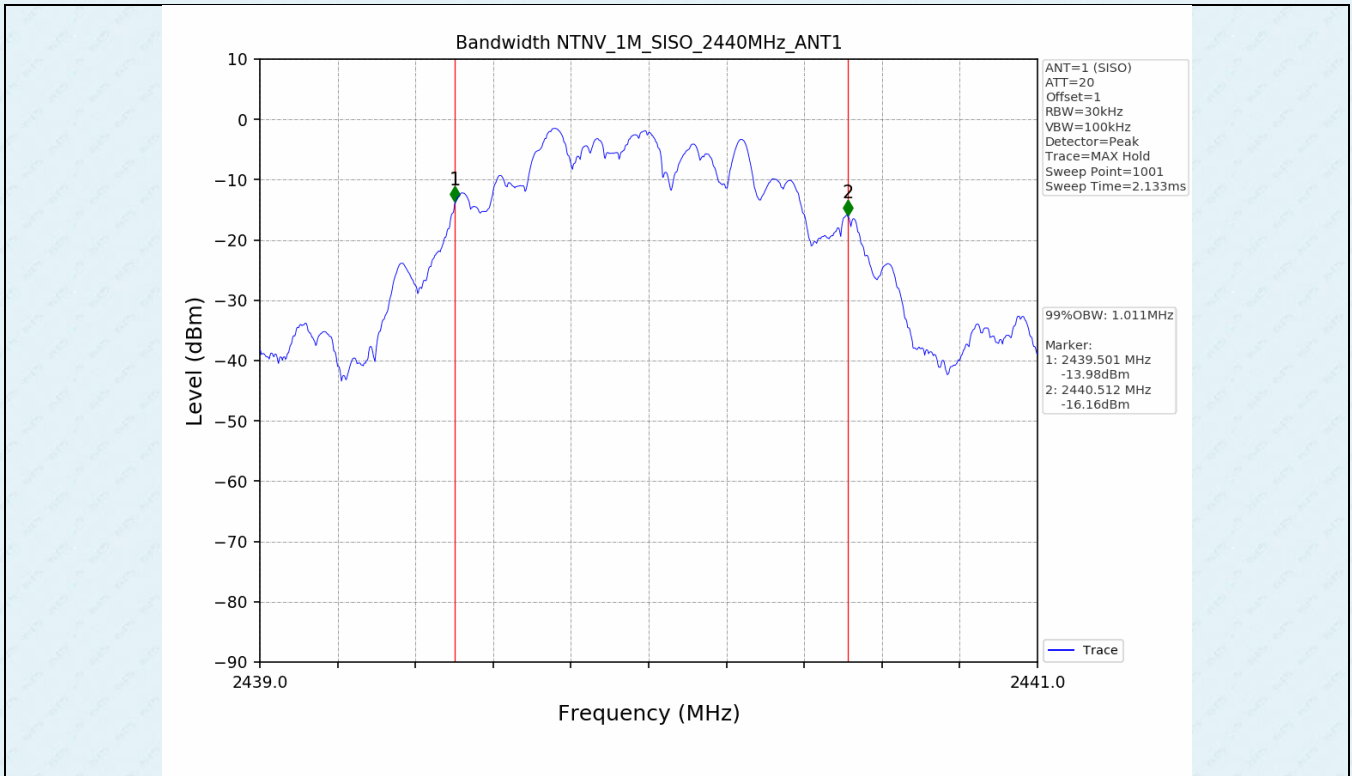
## 2.2 Test Graph - 6dB Bandwidth





### 2.3 Test Graph - 99% Occupied Bandwidth



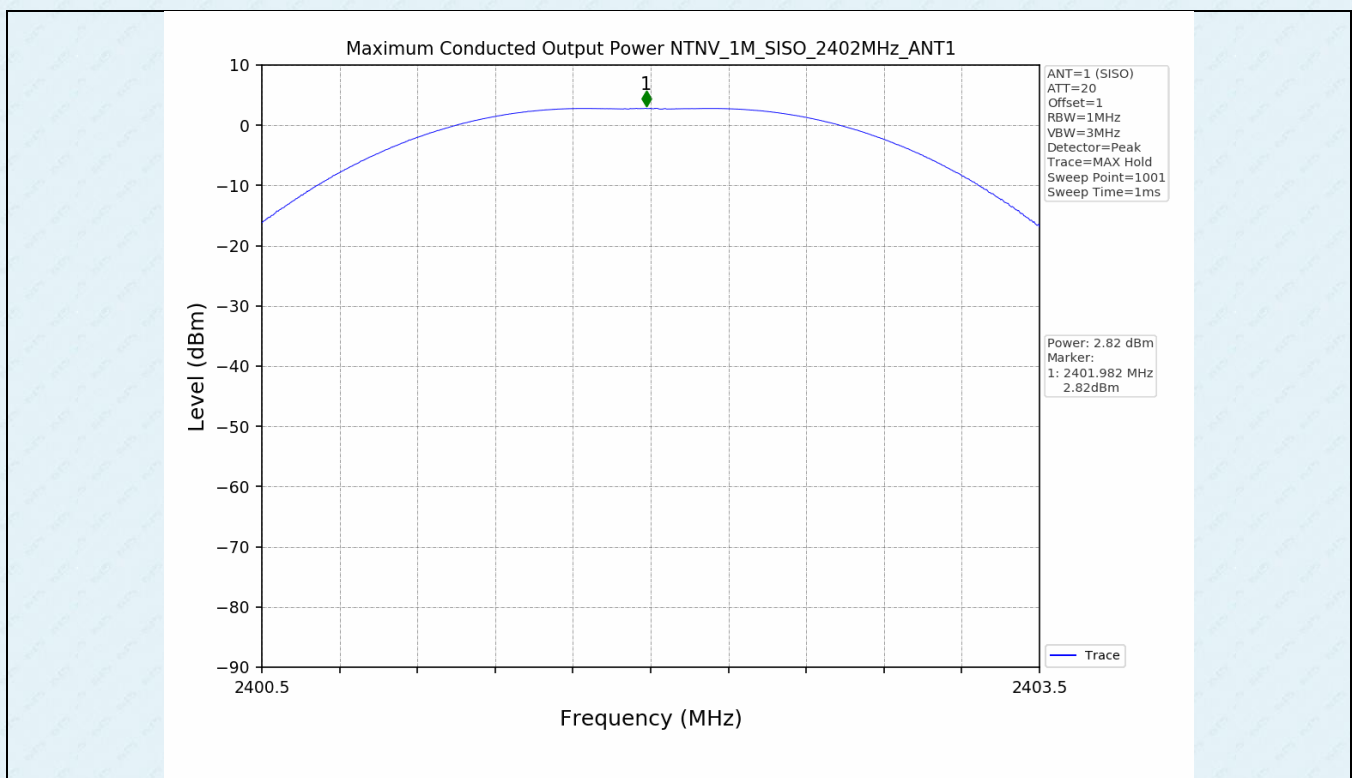


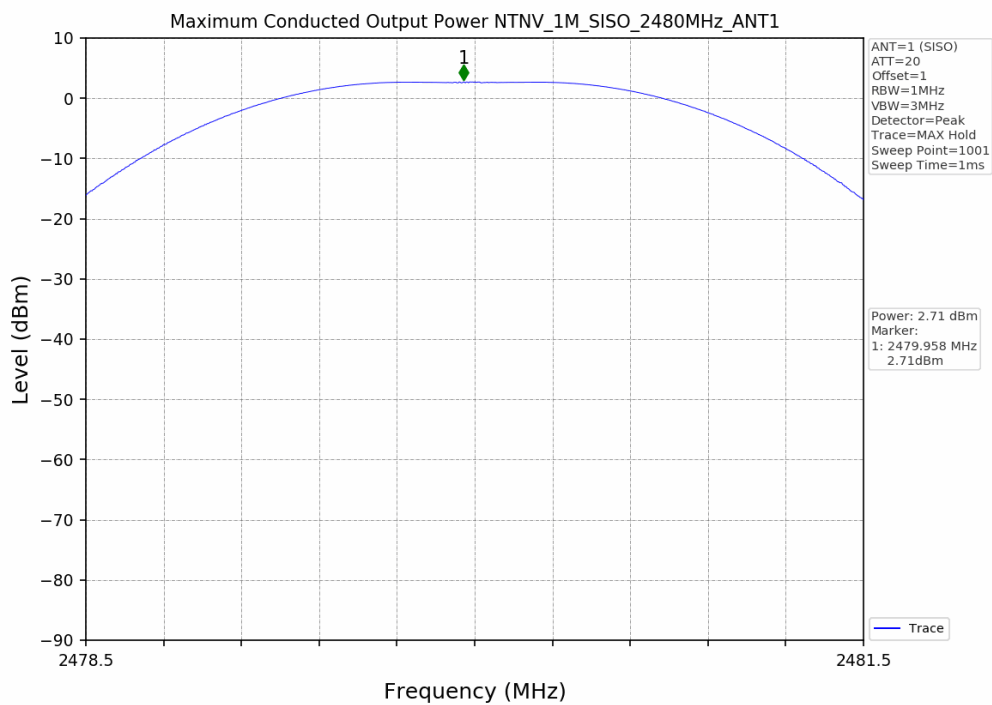
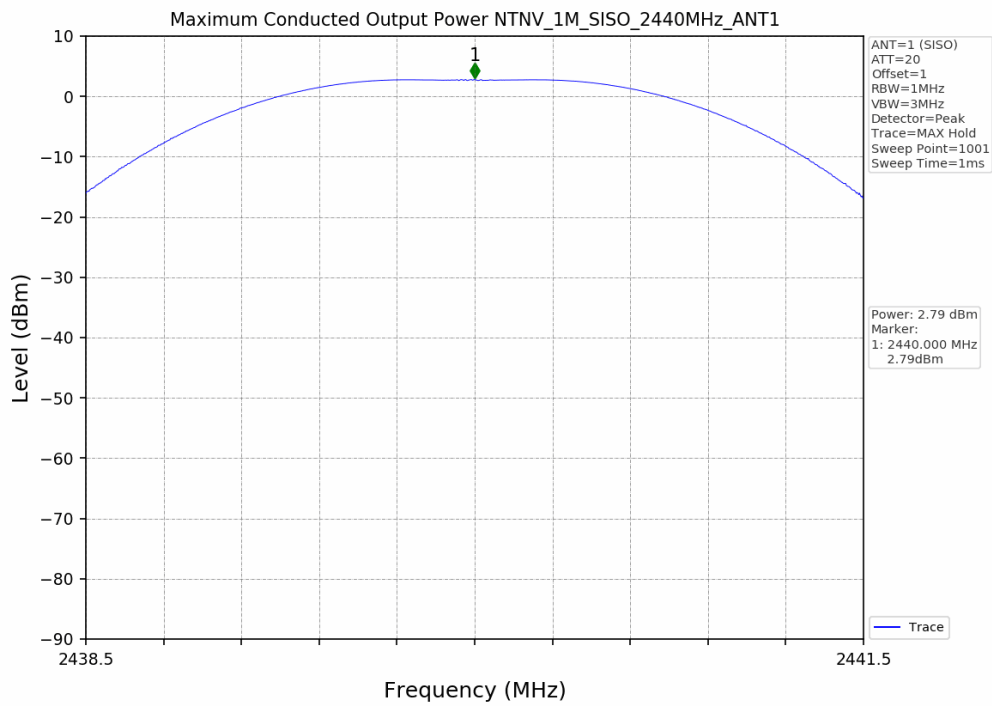
### 3. Maximum Conducted Output Power

#### 3.1 Test Result

| Test Mode | Frequency (MHz) | Measured Peak Output Power (dBm) | E.I.R.P.(dBm) | Limits (dBm) | Verdict |
|-----------|-----------------|----------------------------------|---------------|--------------|---------|
|           |                 | Ant 1                            |               |              |         |
| GFSK      | 2402            | 2.82                             | 5.22          | 30           | PASS    |
|           | 2440            | 2.79                             | 5.19          | 30           | PASS    |
|           | 2480            | 2.71                             | 5.11          | 30           | PASS    |

#### 3.2 Test Graph



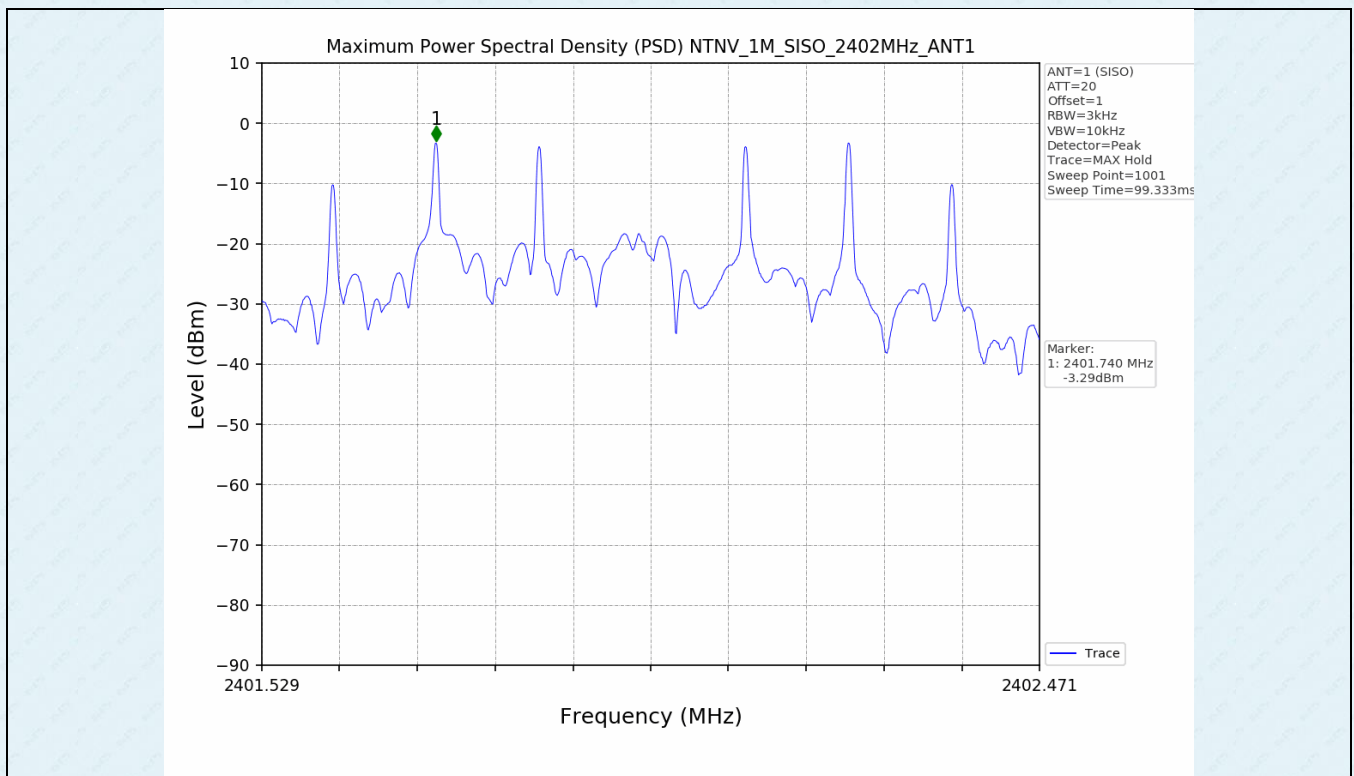


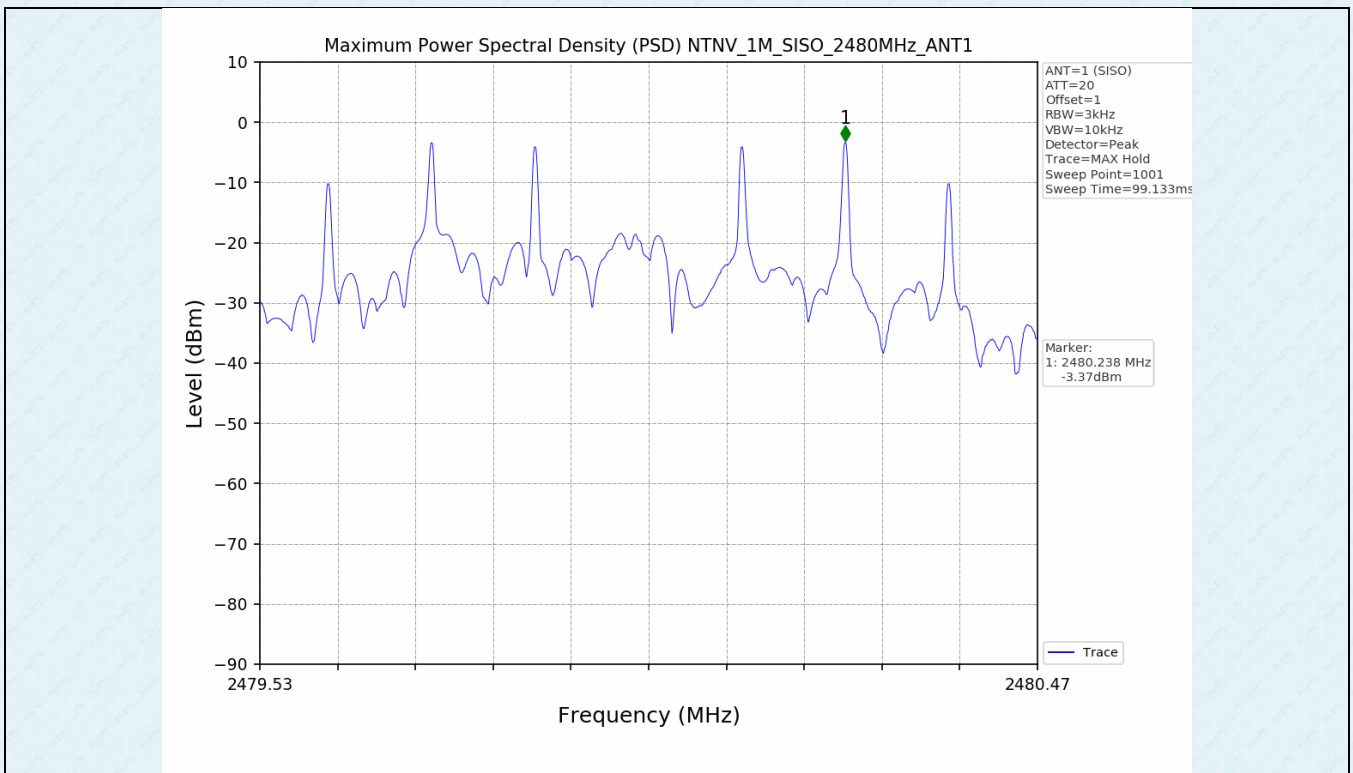
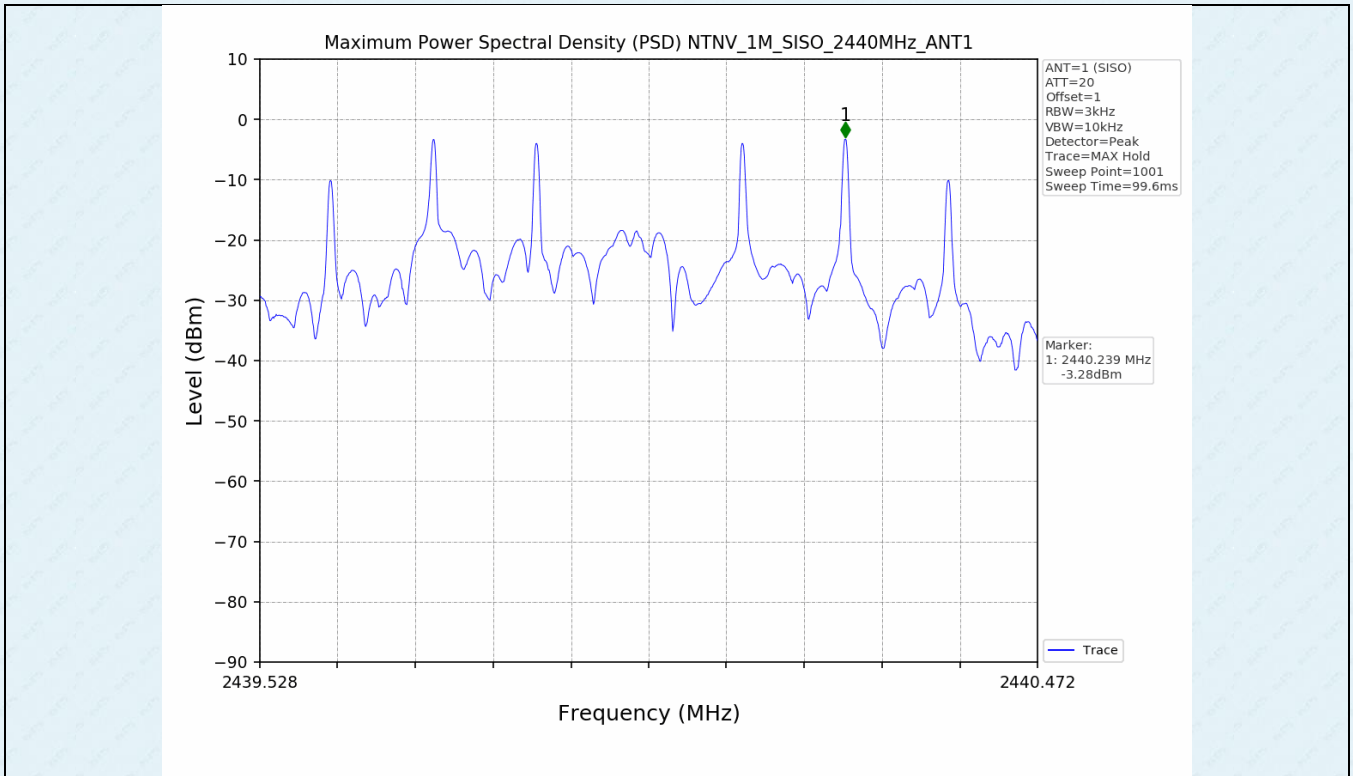
## 4. Maximum Power Spectral Density (PSD)

### 4.1 Test Result

| Test Mode | Frequency (MHz) | Tx Type | Maximum Power Spectral Density (dBm/3KHz) | Limits (dBm/3kHz) | Verdict |
|-----------|-----------------|---------|-------------------------------------------|-------------------|---------|
|           |                 |         | Ant 1                                     |                   |         |
| GFSK      | 2402            | SISO    | -3.29                                     | ≤8                | PASS    |
|           | 2440            | SISO    | -3.28                                     | ≤8                | PASS    |
|           | 2480            | SISO    | -3.37                                     | ≤8                | PASS    |

### 4.2 Test Graph



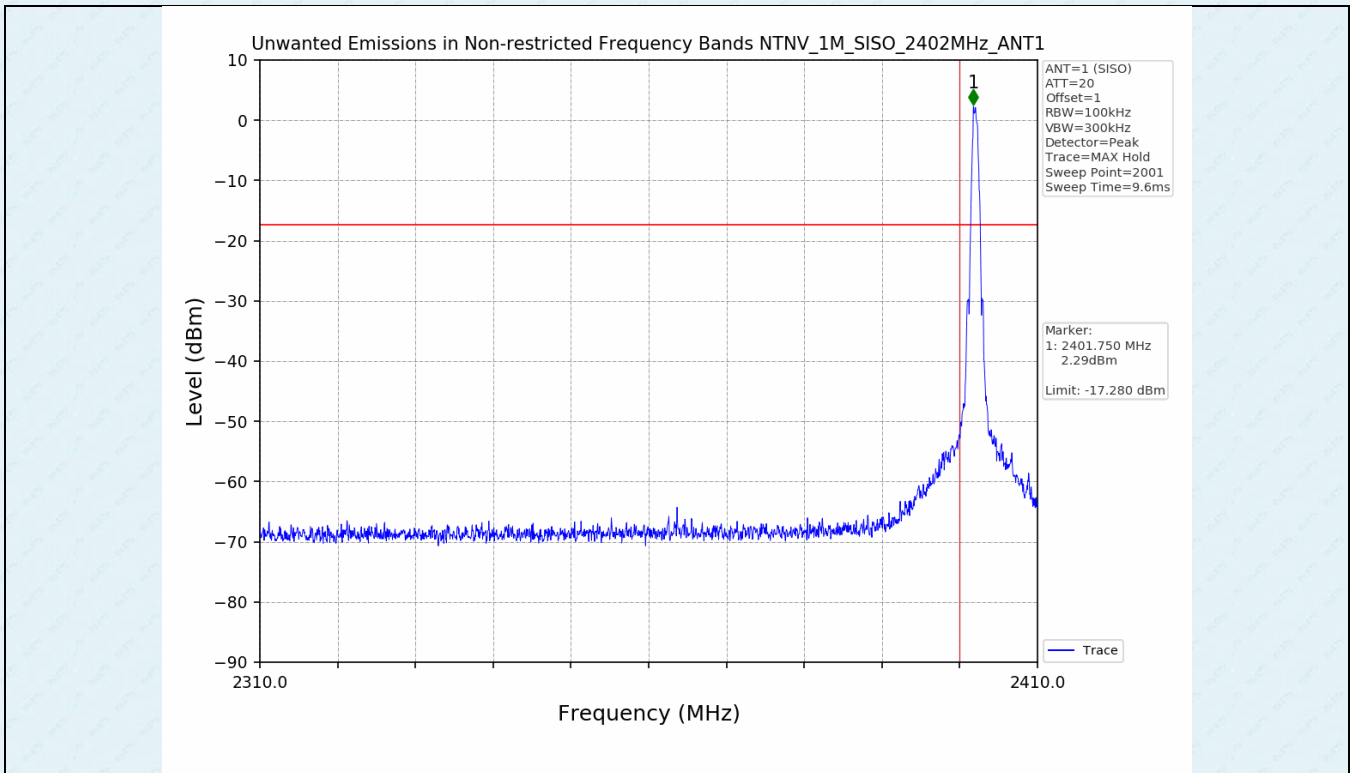
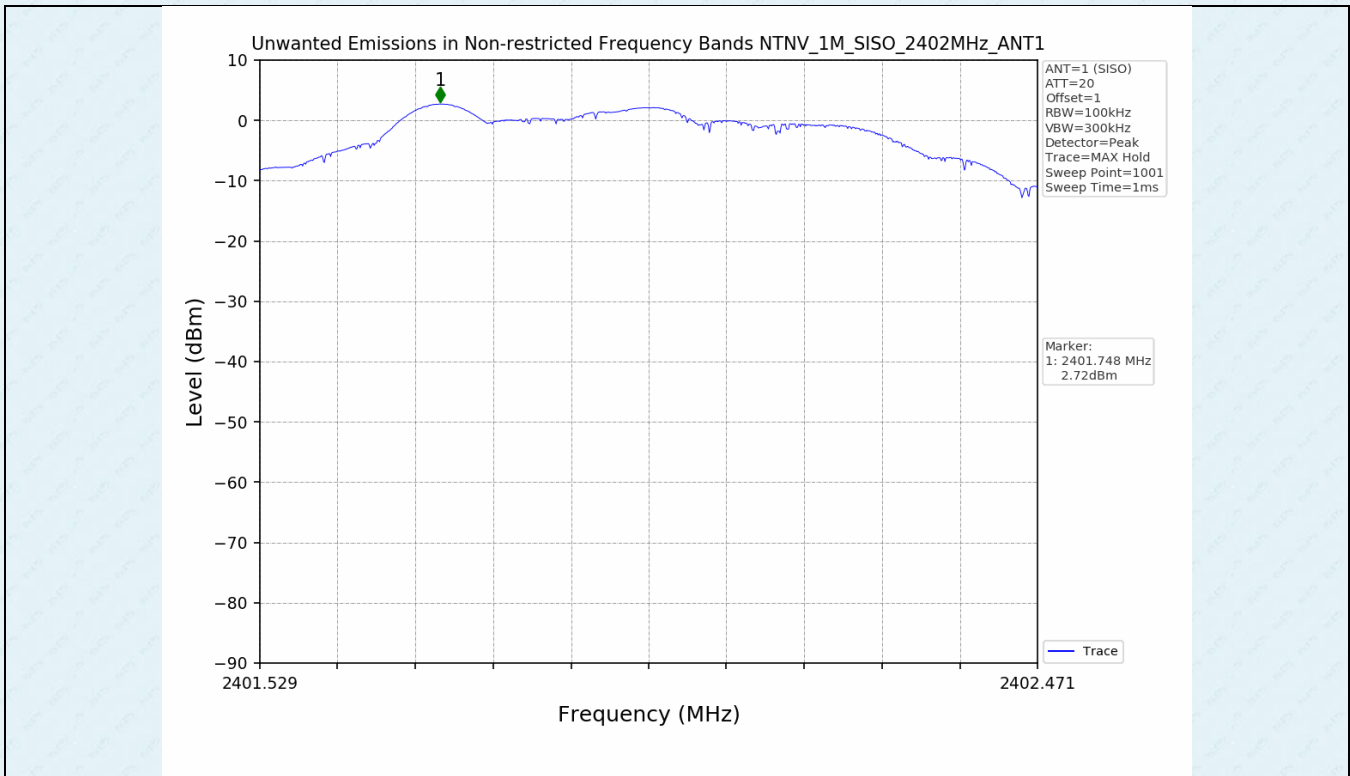


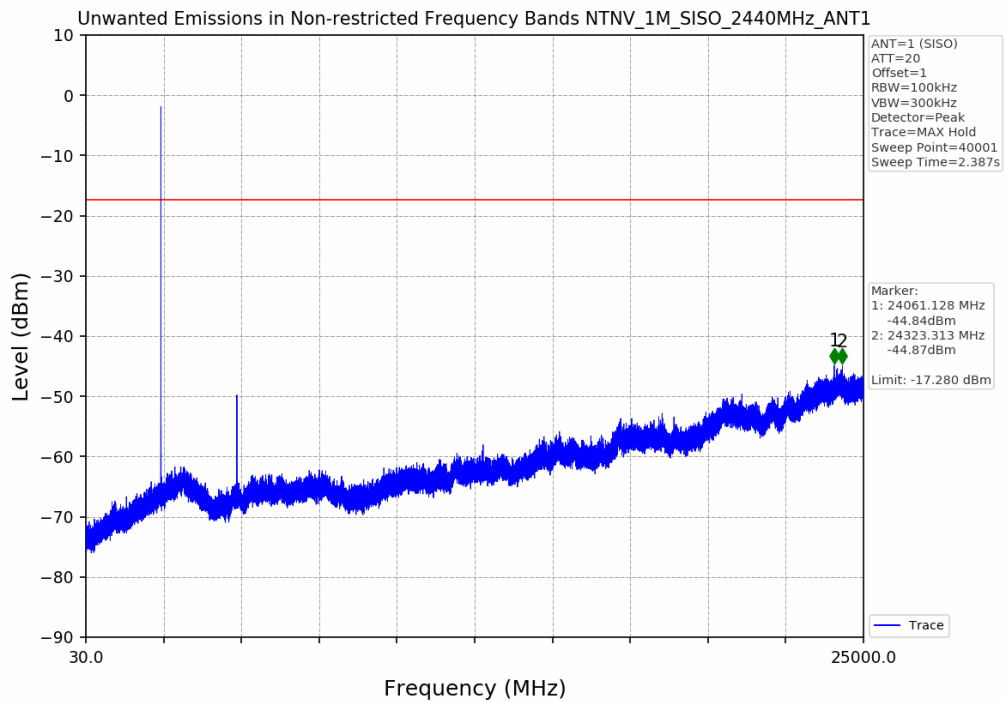
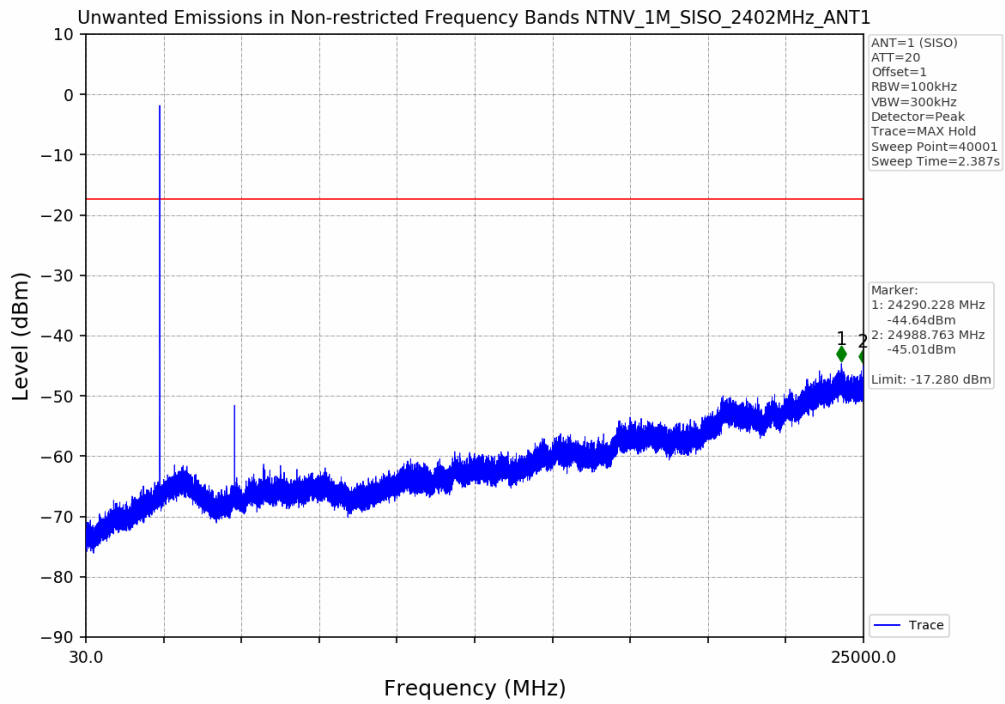
## 5. Unwanted Emissions in Non-restricted Frequency Bands

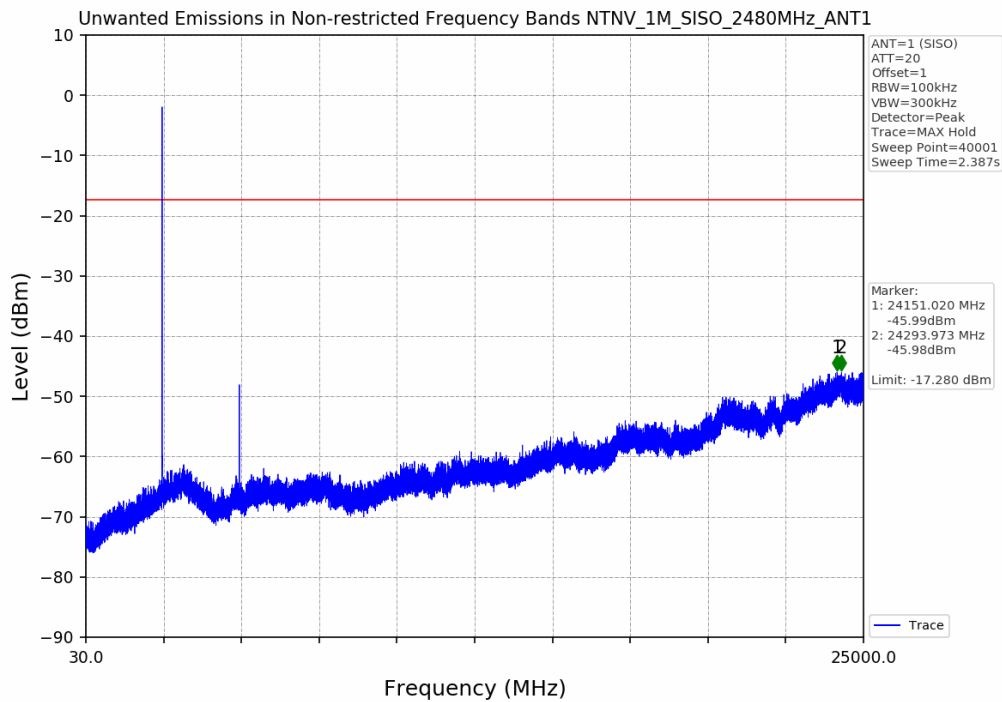
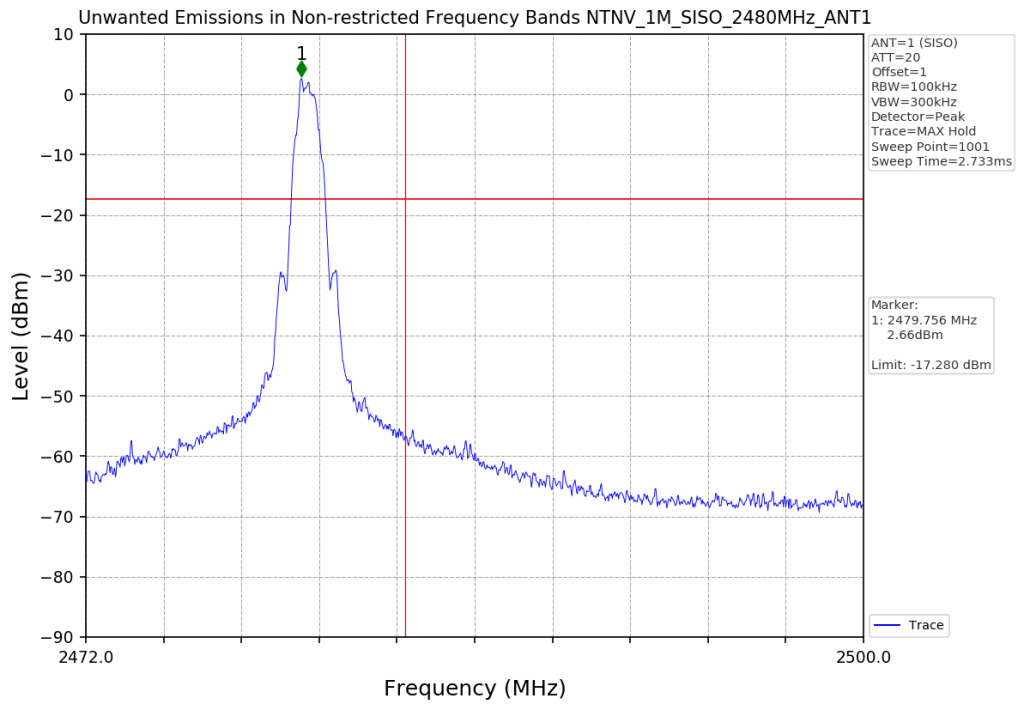
### 5.1 Test Result

| Test Mode | Frequency (MHz) | TX Type | ANT No. | Spurious Conducted Emission (dBm) | Limits (dBm) | Verdict |
|-----------|-----------------|---------|---------|-----------------------------------|--------------|---------|
| GFSK      | 2402            | SISO    | 1       | Refer to test graph               | -17.28       | PASS    |
|           | 2440            | SISO    | 1       | Refer to test graph               | -17.28       | PASS    |
|           | 2480            | SISO    | 1       | Refer to test graph               | -17.28       | PASS    |

## 5.2 Test Graph







## 6. Frequency Error

### 6.1 Test Result

| Test Mode | Frequency (MHz) | TX Type | ANT | Measured Frequency (MHz) |             | Verdict |
|-----------|-----------------|---------|-----|--------------------------|-------------|---------|
|           |                 |         |     | Test Result              | Limit       |         |
| GFSK      | 2402            | SISO    | 1   | 2402.00                  | 2400-2483.5 | PASS    |
|           | 2440            | SISO    | 1   | 2439.99                  | 2400-2483.5 | PASS    |
|           | 2480            | SISO    | 1   | 2479.99                  | 2400-2483.5 | PASS    |

-----End-----