

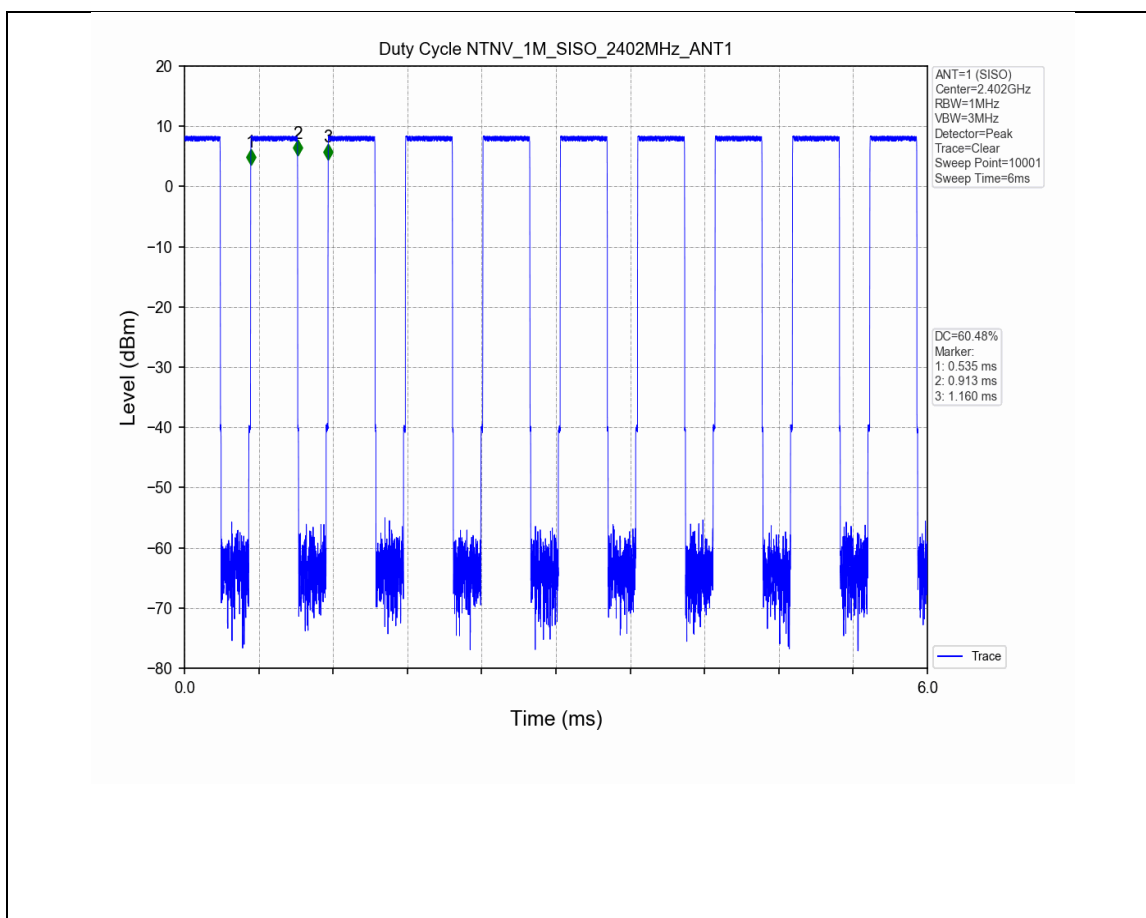
## Appendix for SHEM210200153602\_Right\_BLE

### 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) |
|-----------|-------------------------|---------|---------|-----------|-------------|----------------|-----------------------------------|
| 1M        | 2402                    | SISO    | 1       | 0.378     | 0.625       | 60.48          | 2.18                              |
|           | 2440                    | SISO    | 1       | 0.378     | 0.625       | 60.48          | 2.18                              |
|           | 2480                    | SISO    | 1       | 0.378     | 0.625       | 60.48          | 2.18                              |
| 2M        | 2402                    | SISO    | 1       | 0.194     | 0.625       | 31.04          | 5.08                              |
|           | 2440                    | SISO    | 1       | 0.194     | 0.625       | 31.04          | 5.08                              |
|           | 2480                    | SISO    | 1       | 0.193     | 0.624       | 30.93          | 5.10                              |

#### 1.2 Test Graph



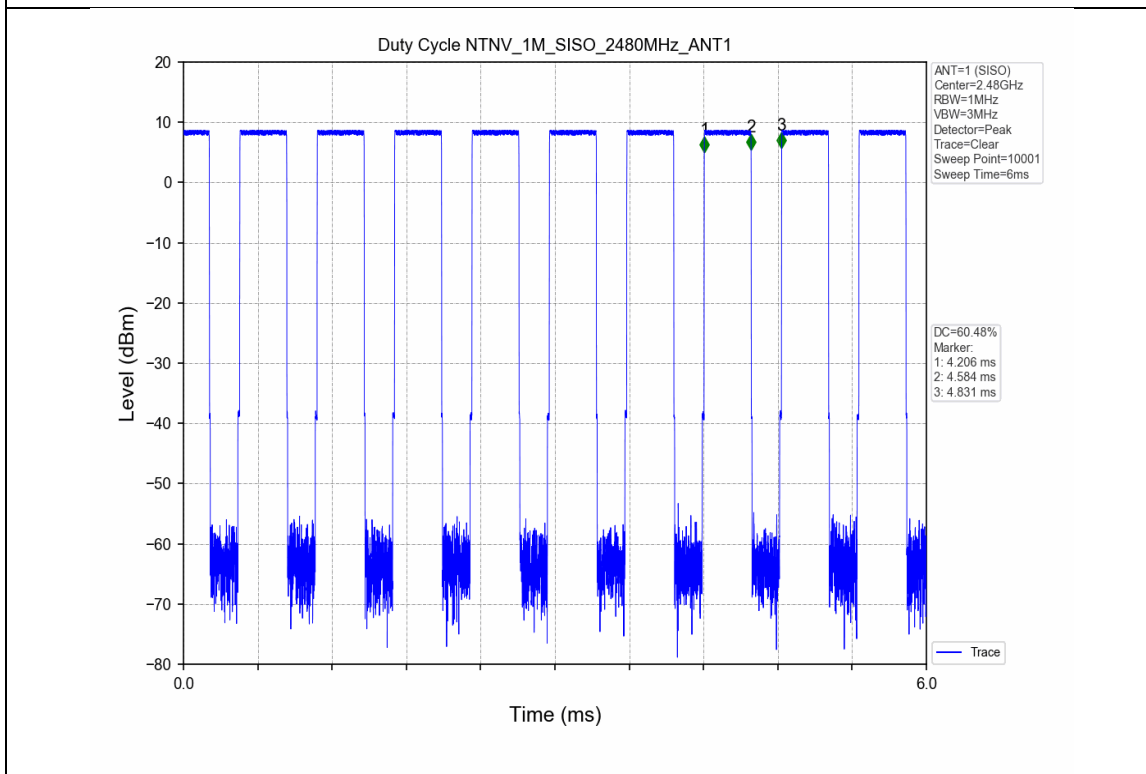
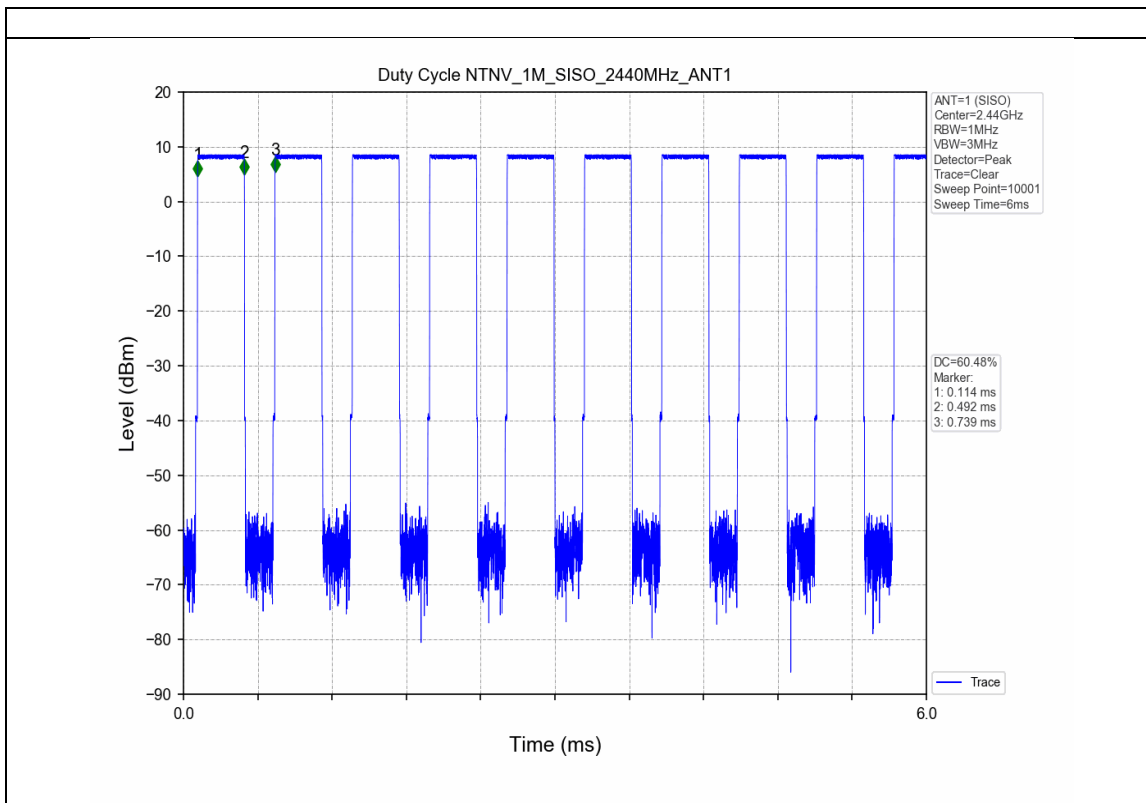
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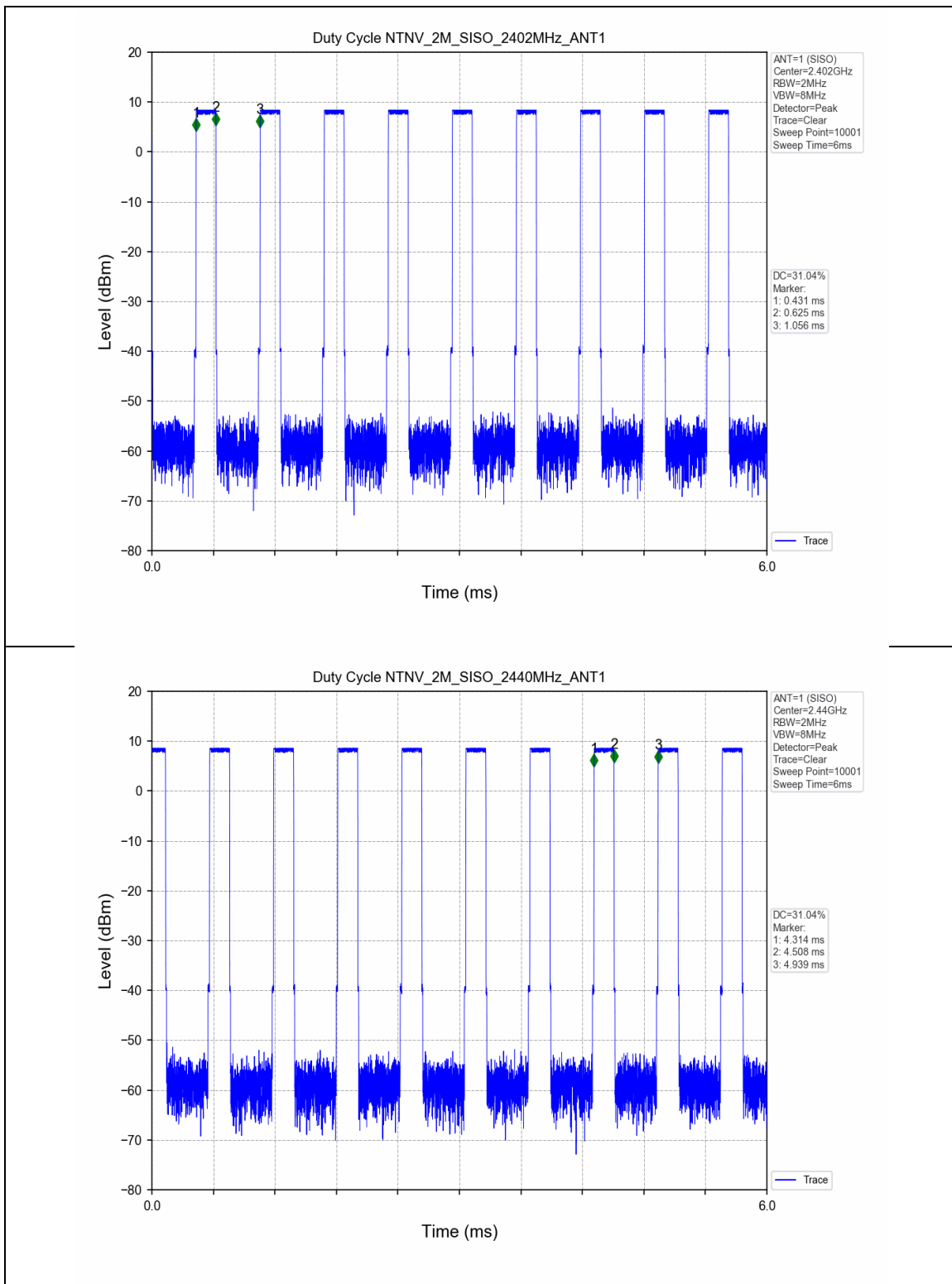
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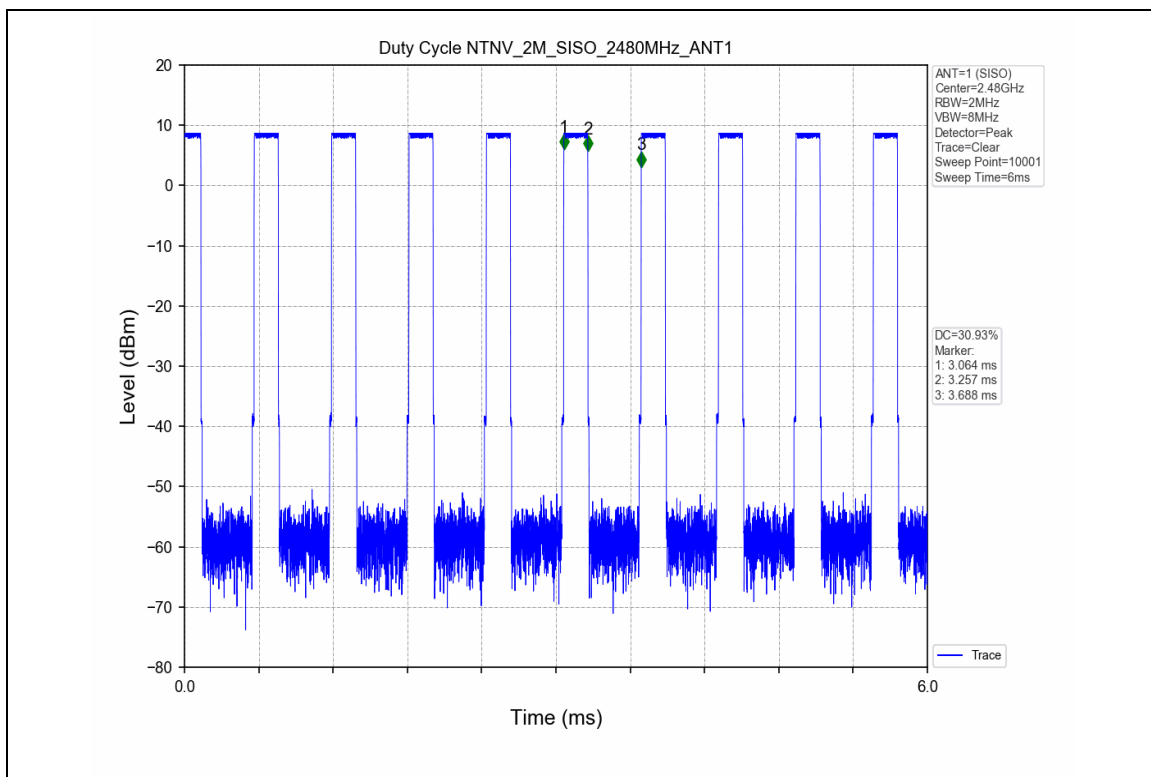
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## 2. Bandwidth

### 2.1 Test Result

| Test Mode | Frequency (MHz) | TX Type | ANT No. | 6dB Bandwidth     | Verdict |
|-----------|-----------------|---------|---------|-------------------|---------|
|           |                 |         |         | Test Result (MHz) |         |
| 1M        | 2402            | SISO    | 1       | 0.712             | PASS    |
|           | 2440            | SISO    | 1       | 0.714             | PASS    |
|           | 2480            | SISO    | 1       | 0.713             | PASS    |
| 2M        | 2402            | SISO    | 1       | 1.251             | PASS    |
|           | 2440            | SISO    | 1       | 1.258             | PASS    |
|           | 2480            | SISO    | 1       | 1.259             | PASS    |

| Test Mode | Frequency (MHz) | TX Type | ANT No. | 99% Occupied Bandwidth |                     |
|-----------|-----------------|---------|---------|------------------------|---------------------|
|           |                 |         |         | Test Result (MHz)      |                     |
| 1M        | 2402            | SISO    | 1       | 1.039                  | Only for Report Use |
|           | 2440            | SISO    | 1       | 1.038                  | Only for Report Use |
|           | 2480            | SISO    | 1       | 1.038                  | Only for Report Use |
| 2M        | 2402            | SISO    | 1       | 2.064                  | Only for Report Use |
|           | 2440            | SISO    | 1       | 2.063                  | Only for Report Use |
|           | 2480            | SISO    | 1       | 2.061                  | Only for Report Use |



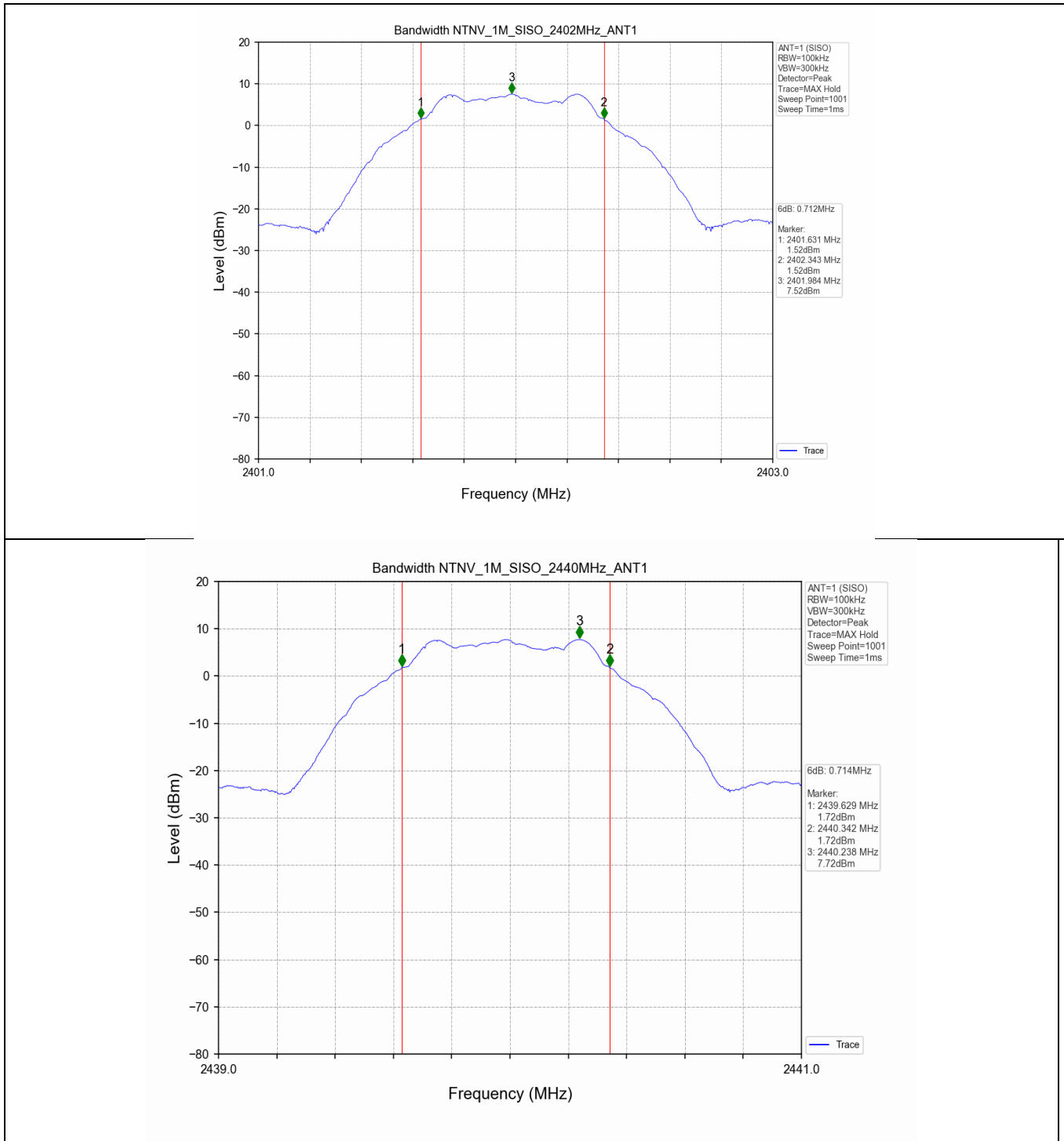
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## 2.2 Test Graph - 6dB Bandwidth



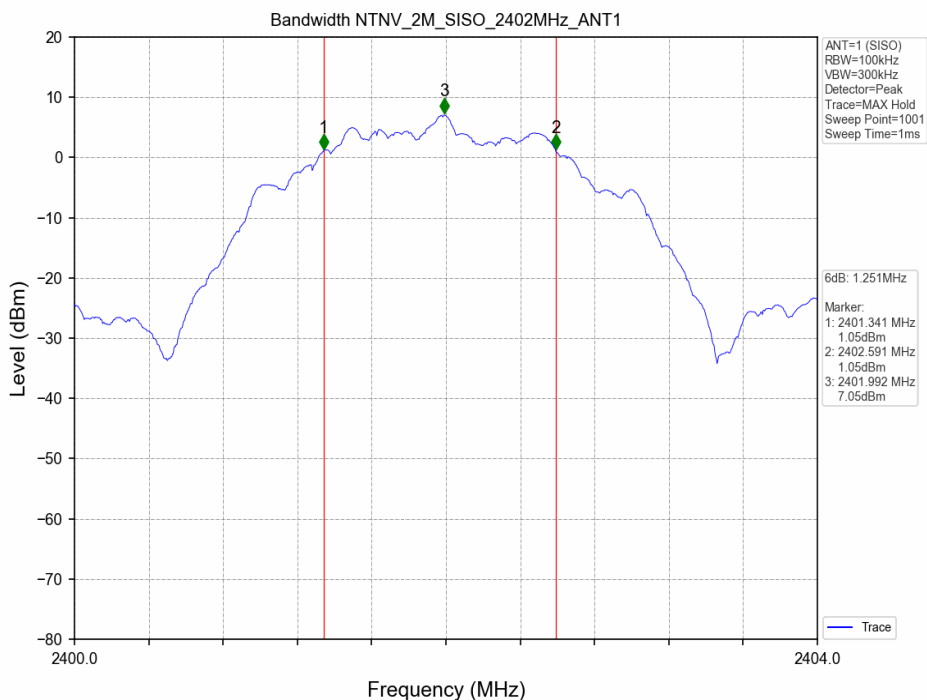
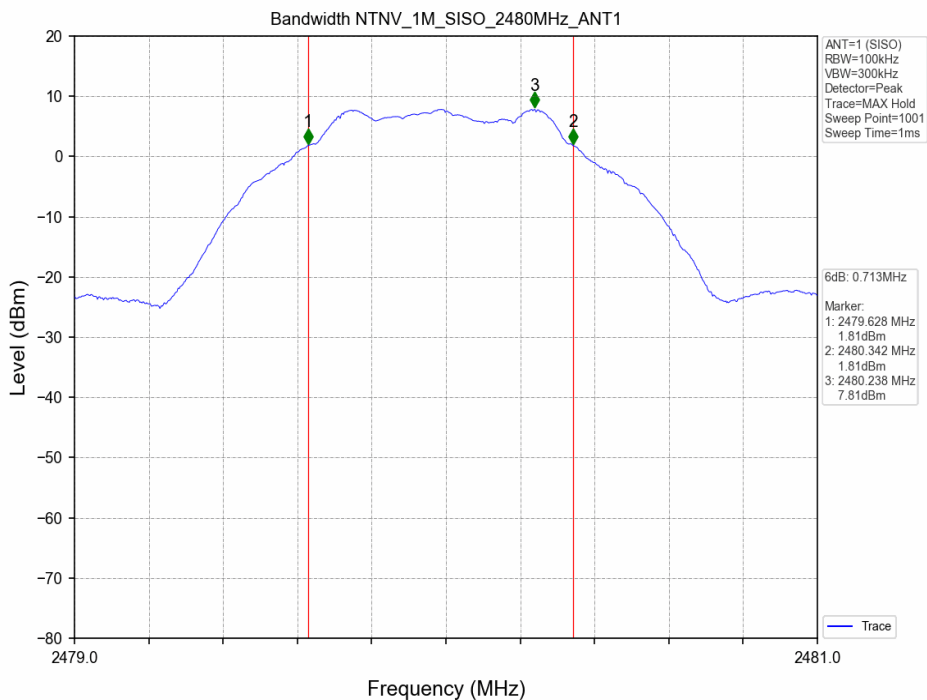
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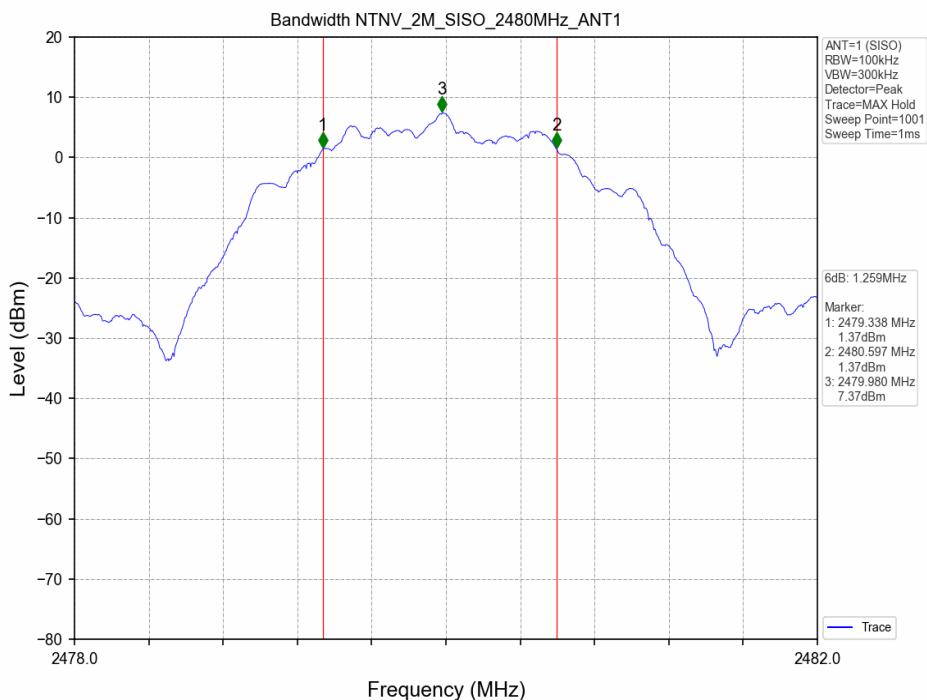
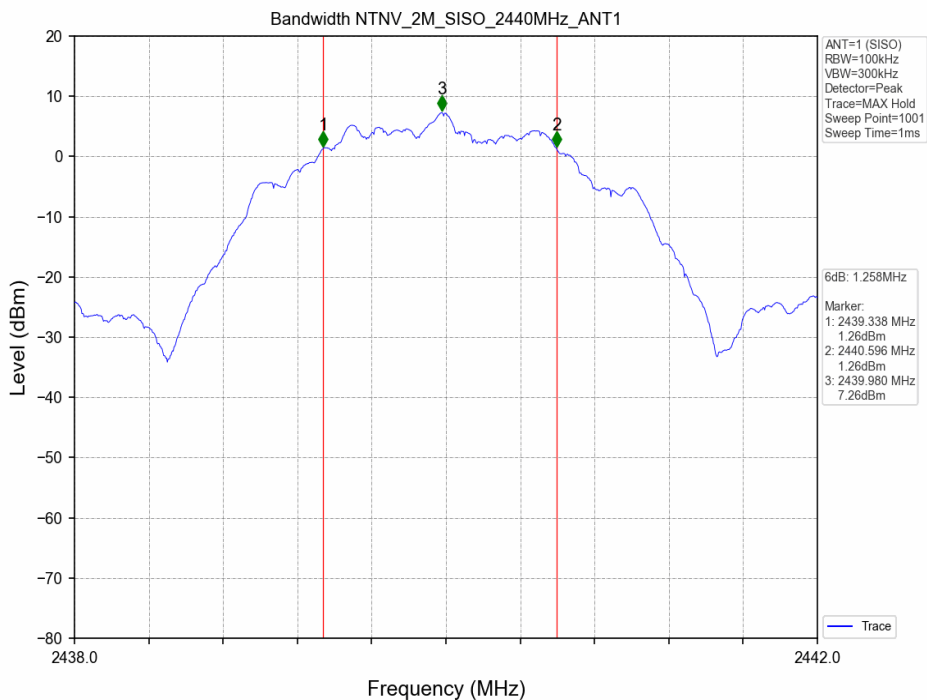
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## 2.3 Test Graph - 99% Occupied Bandwidth



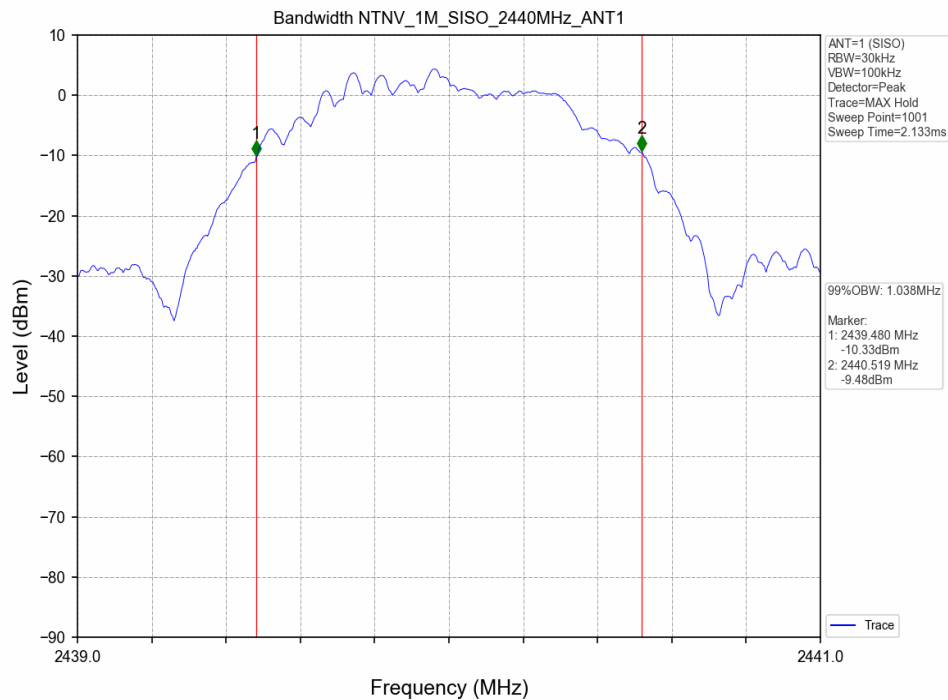
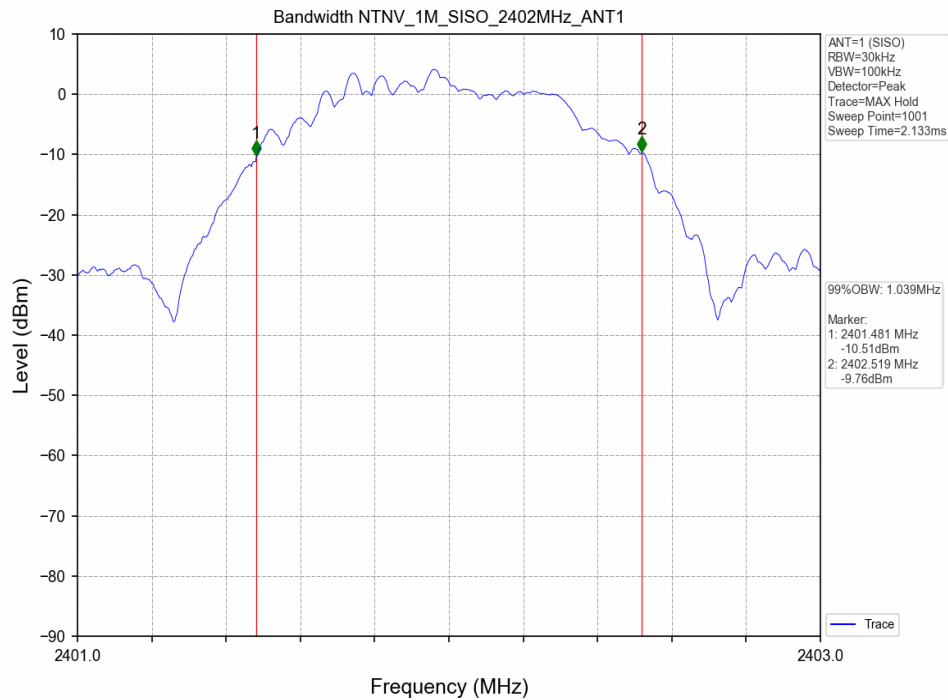
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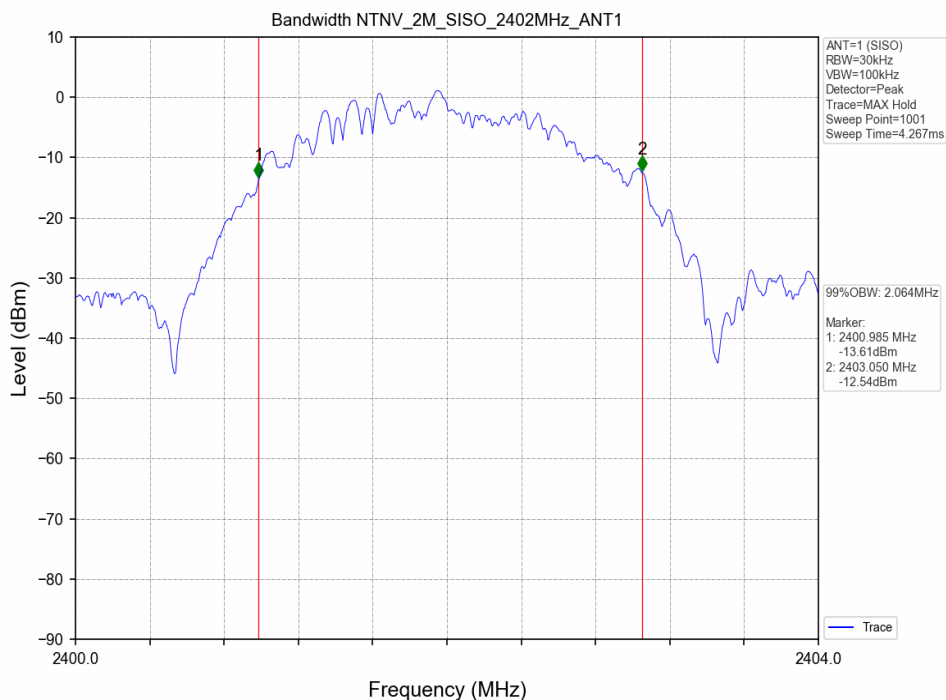
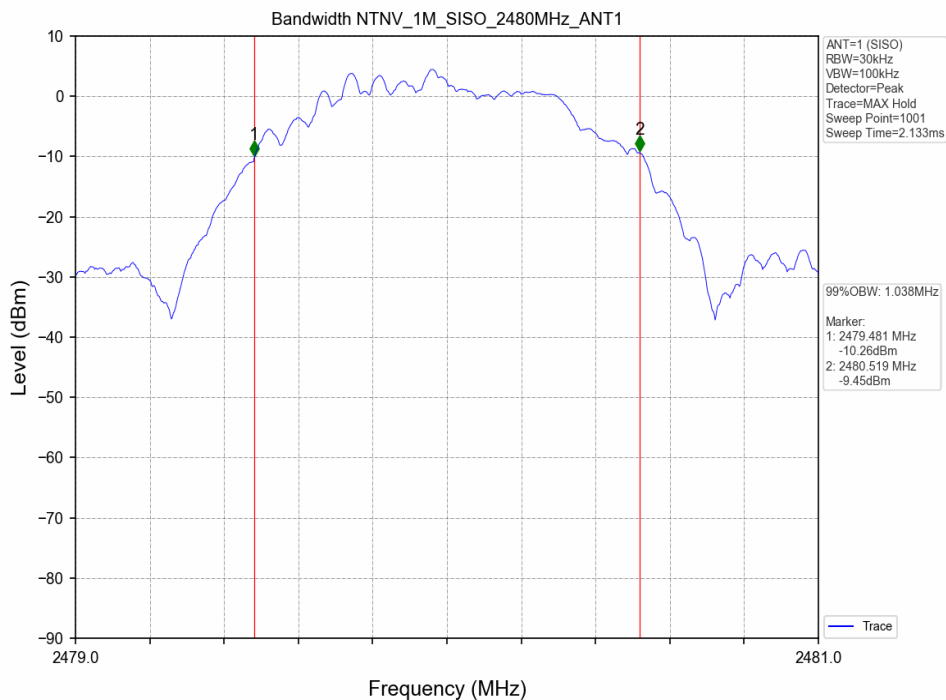
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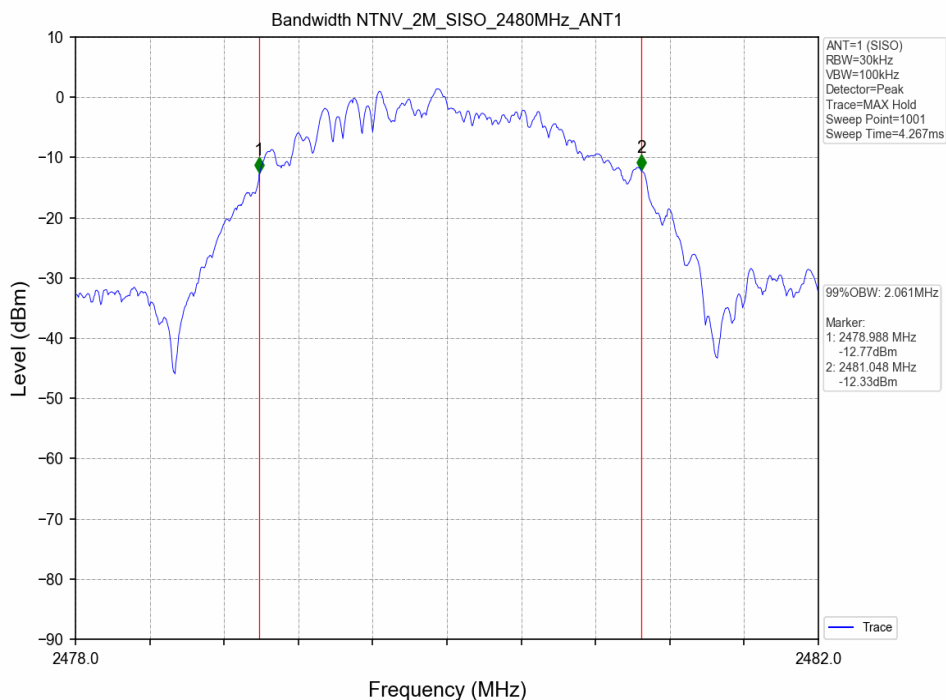
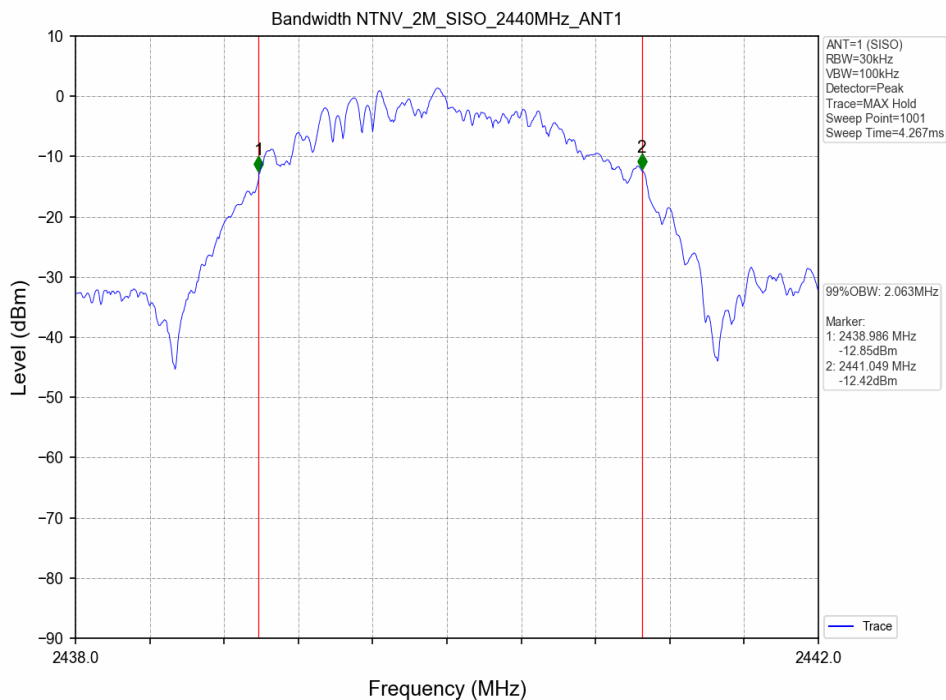
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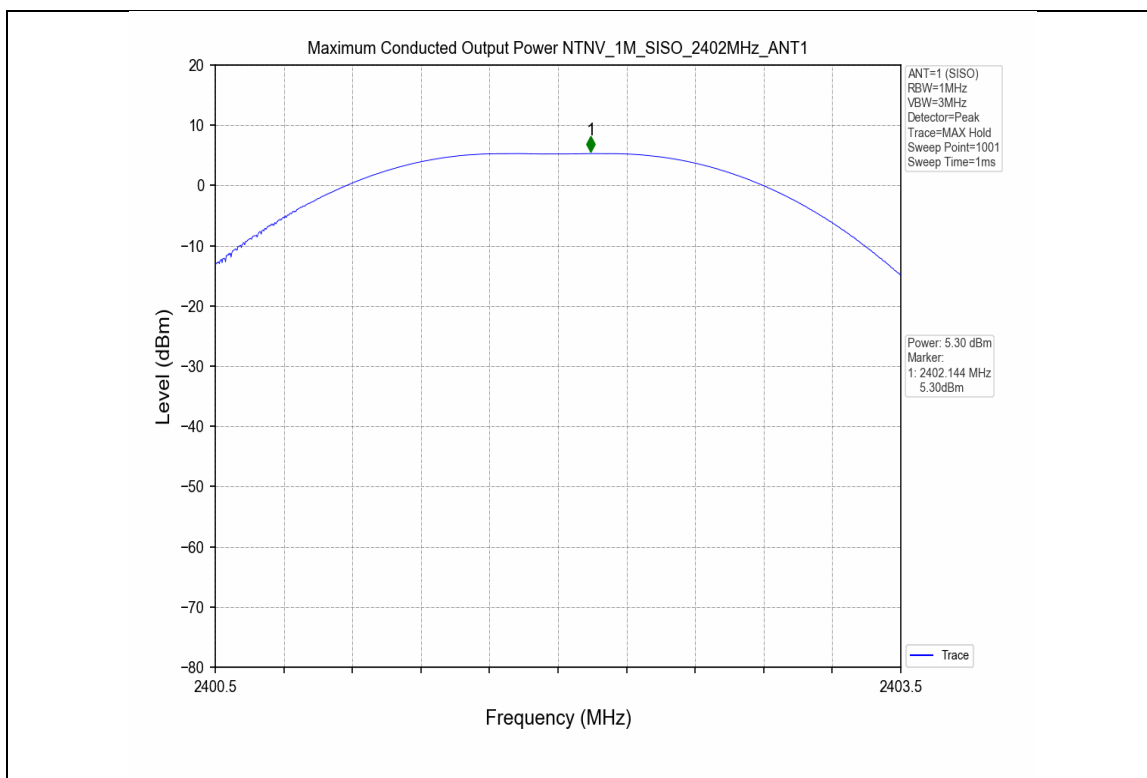
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### 3. Maximum Conducted Output Power

#### 3.1 Test Result

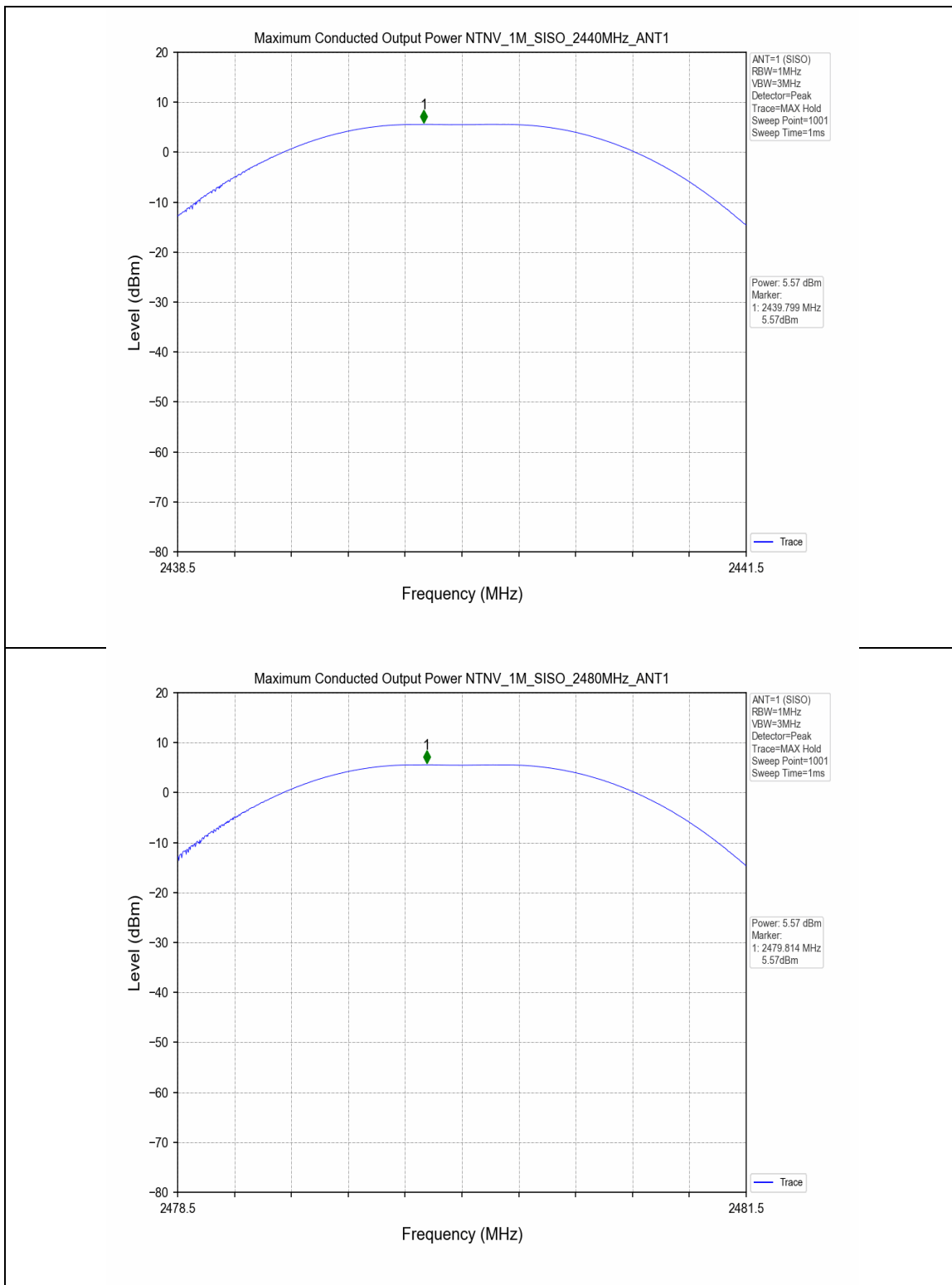
| Test Mode | Frequency (MHz) | Tx Type | Measured Peak Output Power (dBm) | Limits (dBm) | Verdict |
|-----------|-----------------|---------|----------------------------------|--------------|---------|
|           |                 |         | Ant 1                            |              |         |
| 1M        | 2402            | SISO    | 5.30                             | 30           | PASS    |
|           | 2440            | SISO    | 5.57                             | 30           | PASS    |
|           | 2480            | SISO    | 5.57                             | 30           | PASS    |
| 2M        | 2402            | SISO    | 5.34                             | 30           | PASS    |
|           | 2440            | SISO    | 5.60                             | 30           | PASS    |
|           | 2480            | SISO    | 5.54                             | 30           | PASS    |

#### 3.2 Test Graph



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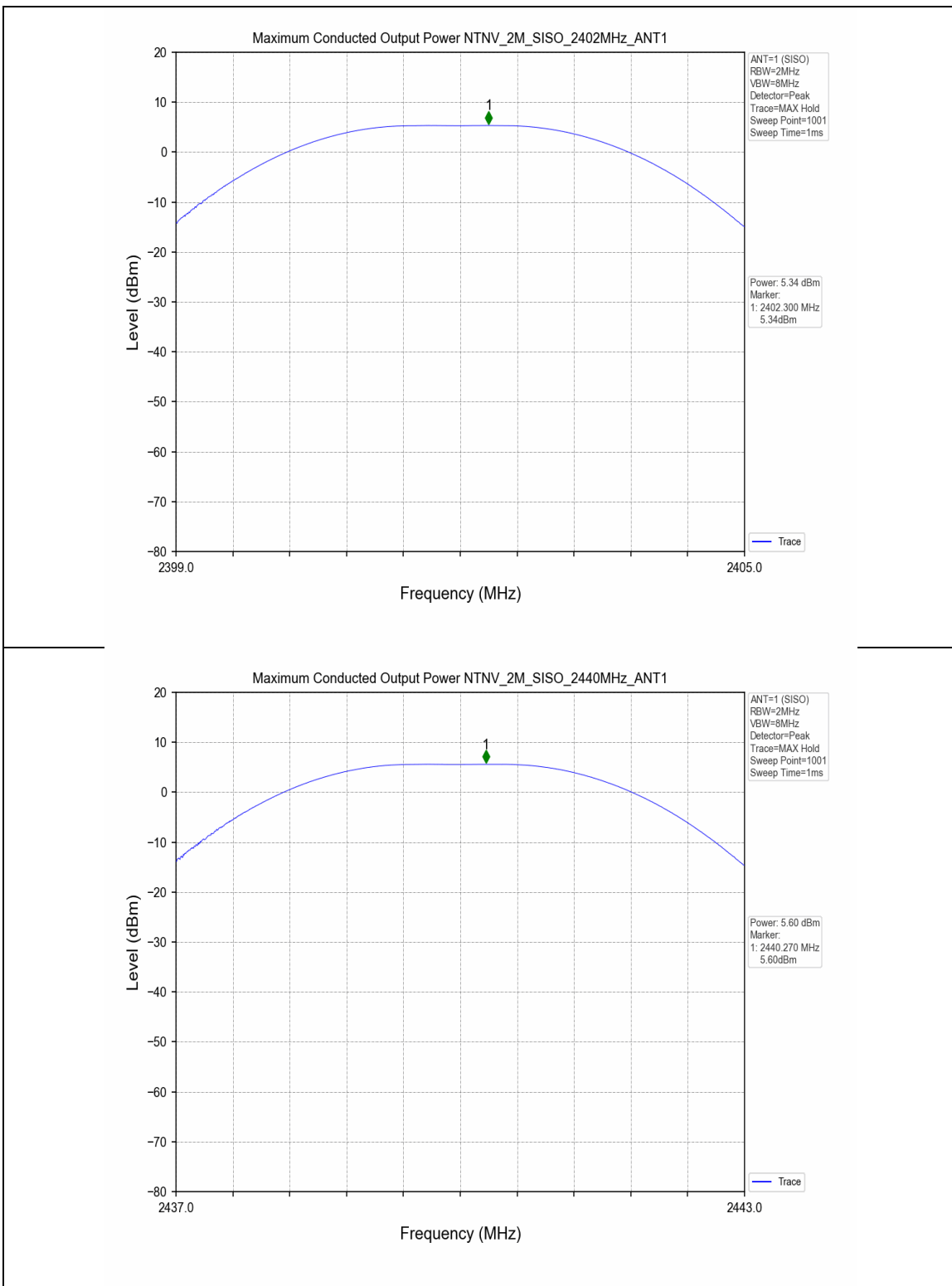
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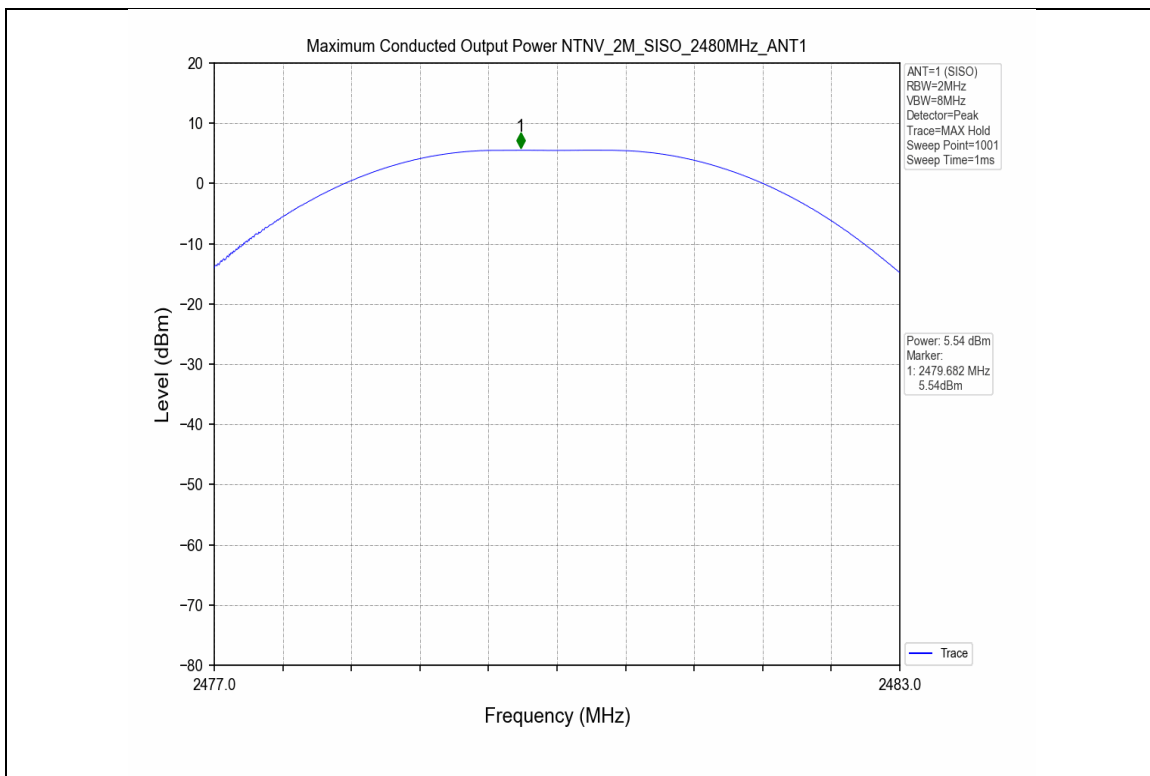


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## 4. Maximum Power Spectral Density (PSD)

### 4.1 Test Result

| Test Mode | Frequency (MHz) | Tx Type | Maximum Power Spectral Density (dBm/3KHz) | Limits (dBm/3kHz) | Verdict |
|-----------|-----------------|---------|-------------------------------------------|-------------------|---------|
|           |                 |         | Ant 1                                     |                   |         |
| 1M        | 2402            | SISO    | -9.87                                     | ≤8                | PASS    |
|           | 2440            | SISO    | -9.59                                     | ≤8                | PASS    |
|           | 2480            | SISO    | -9.61                                     | ≤8                | PASS    |
| 2M        | 2402            | SISO    | -12.04                                    | ≤8                | PASS    |
|           | 2440            | SISO    | -11.87                                    | ≤8                | PASS    |
|           | 2480            | SISO    | -11.85                                    | ≤8                | PASS    |

### 4.2 Test Graph



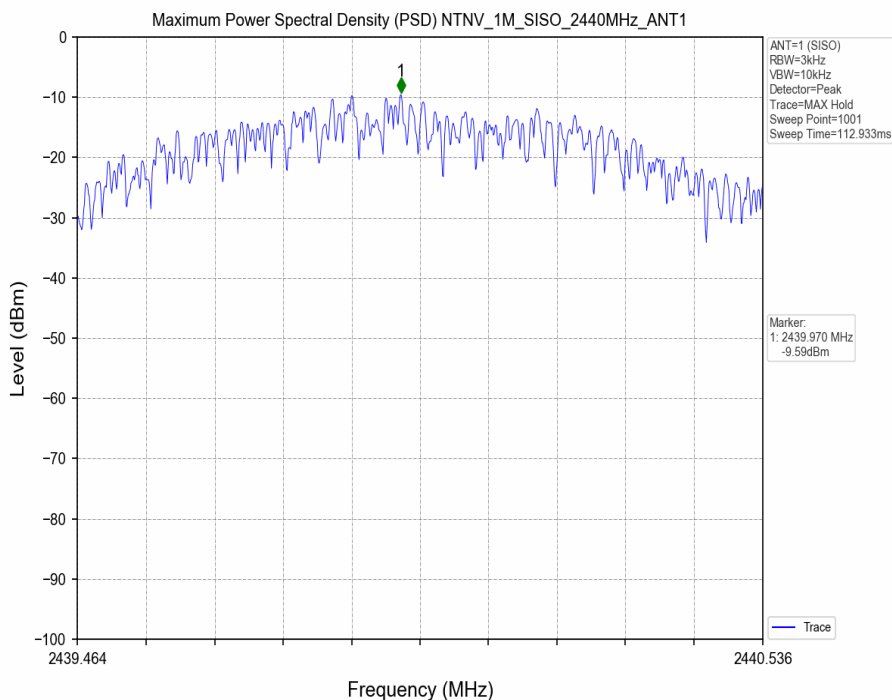
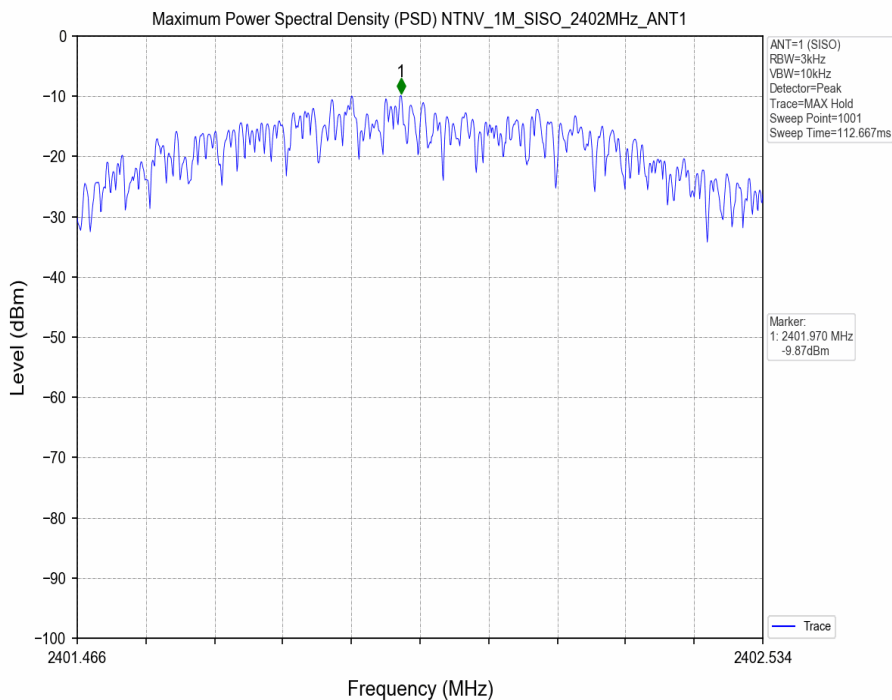
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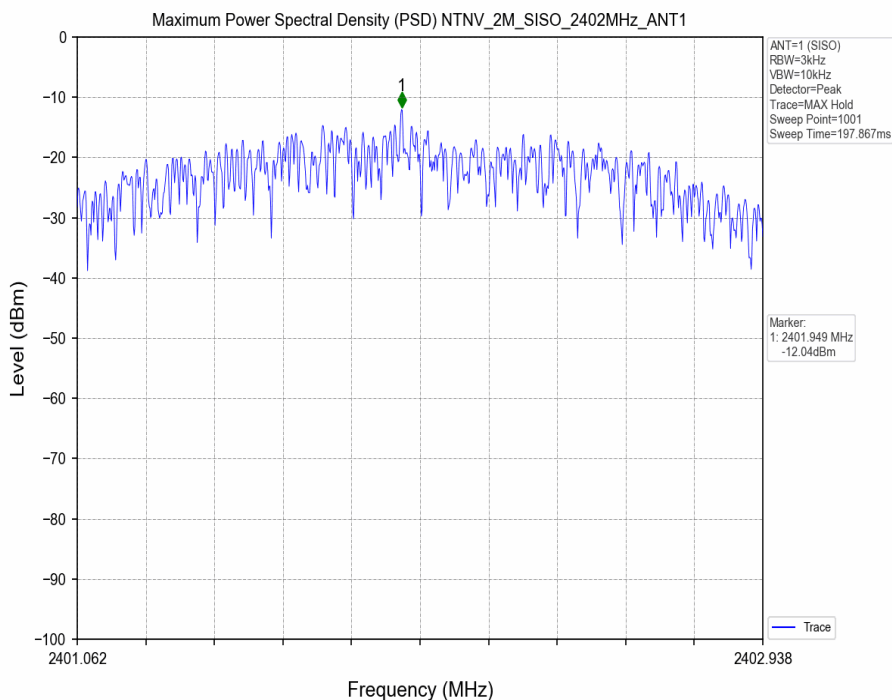
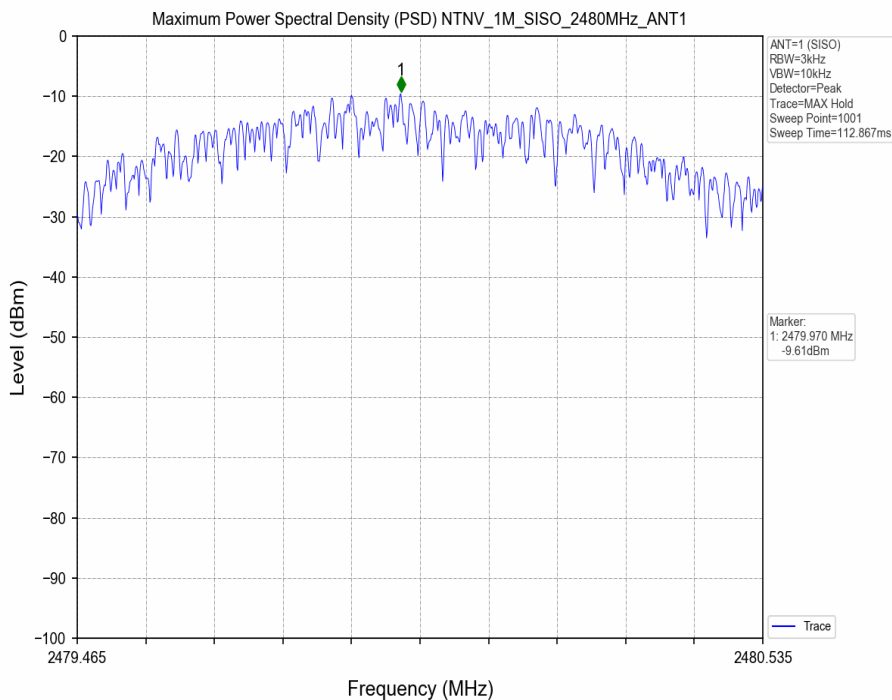
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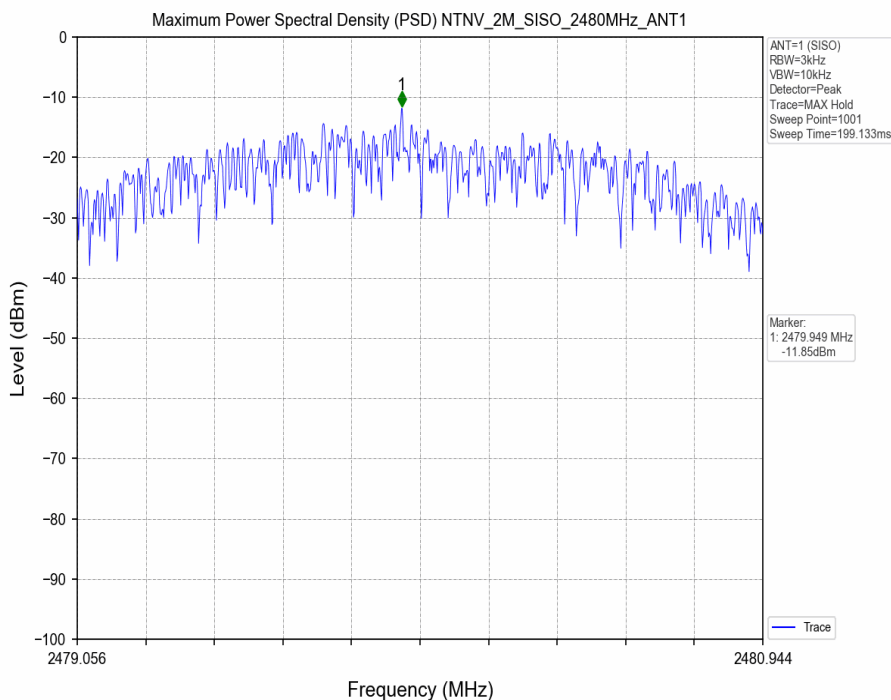
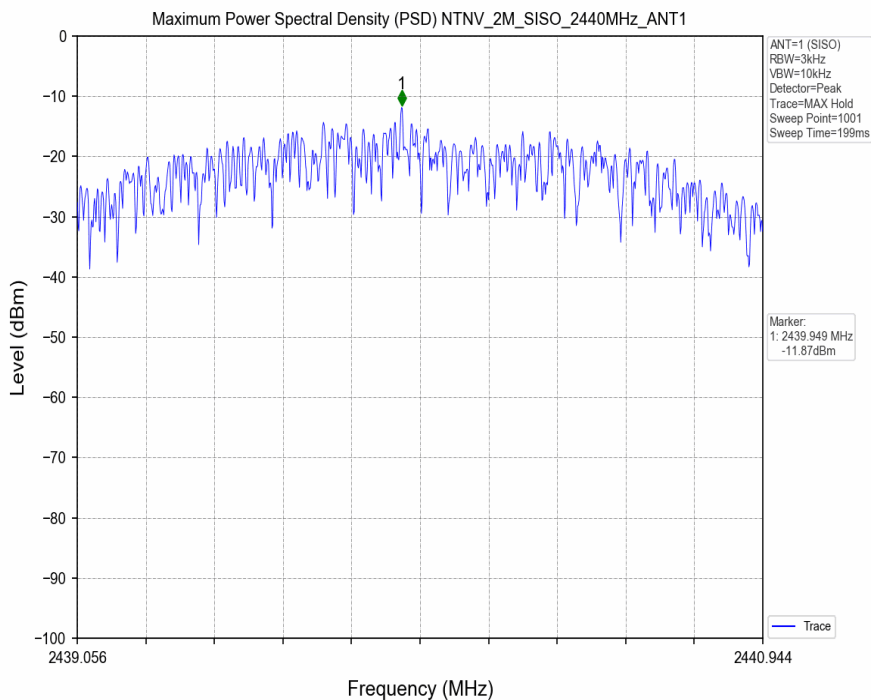
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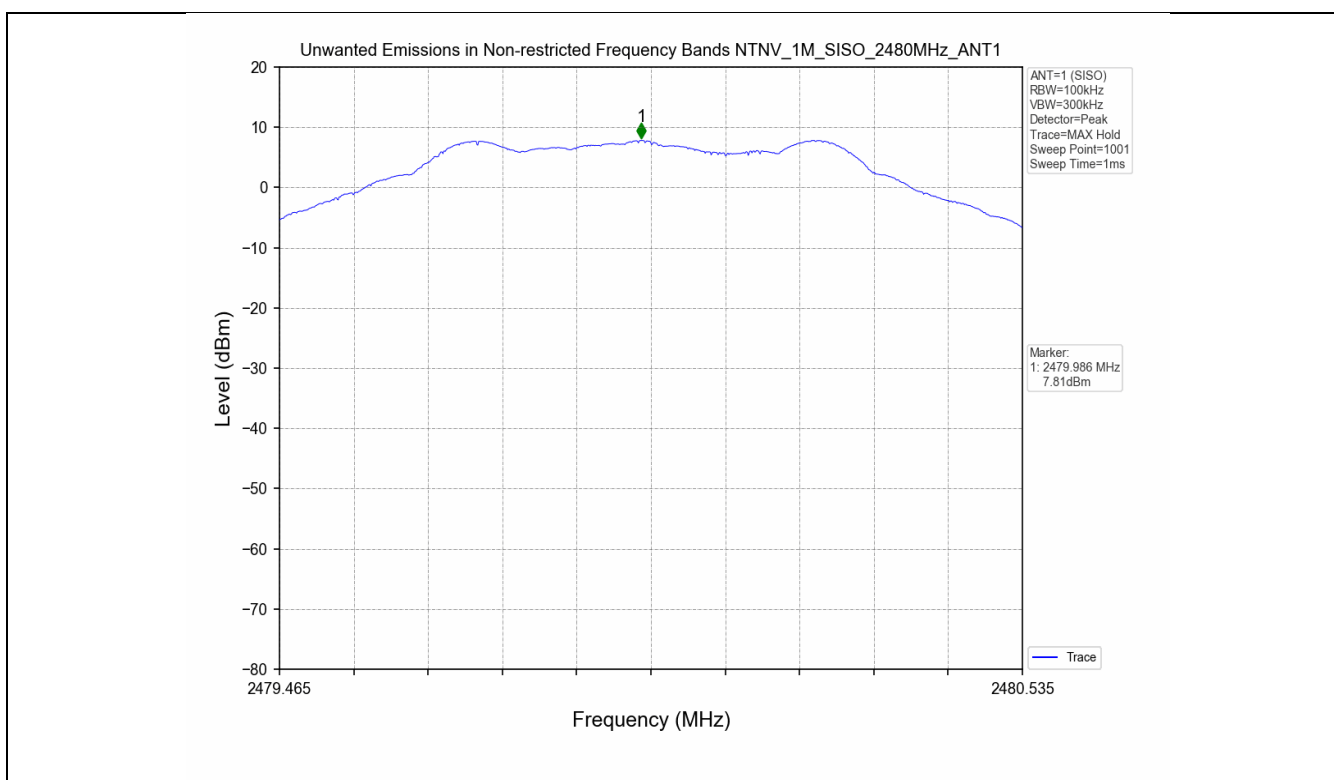
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## 5. Unwanted Emissions in Non-restricted Frequency Bands

### 5.1 Test Result

| Test Mode | Frequency (MHz) | TX Type | ANT No. | Spurious Conducted Emission (dBm) | Limits (dBm) | Verdict |
|-----------|-----------------|---------|---------|-----------------------------------|--------------|---------|
| 1M        | 2402            | SISO    | 1       | Refer to test graph               | -12.19       | PASS    |
|           | 2440            | SISO    | 1       | Refer to test graph               | -12.19       | PASS    |
|           | 2480            | SISO    | 1       | Refer to test graph               | -12.19       | PASS    |
| 2M        | 2402            | SISO    | 1       | Refer to test graph               | -12.60       | PASS    |
|           | 2440            | SISO    | 1       | Refer to test graph               | -12.60       | PASS    |
|           | 2480            | SISO    | 1       | Refer to test graph               | -12.60       | PASS    |

### 5.2 Test Graph

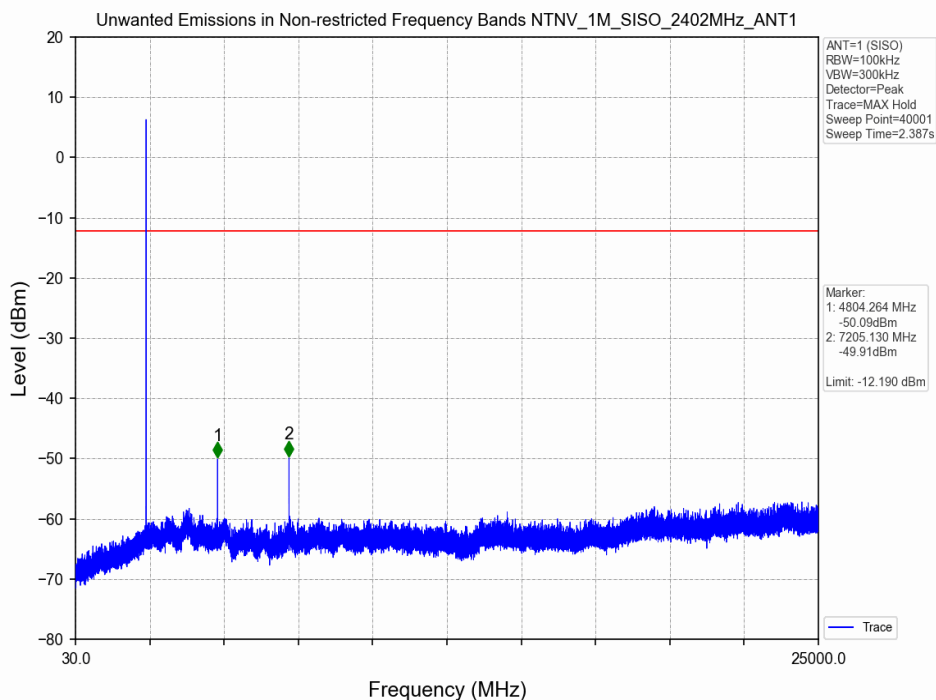
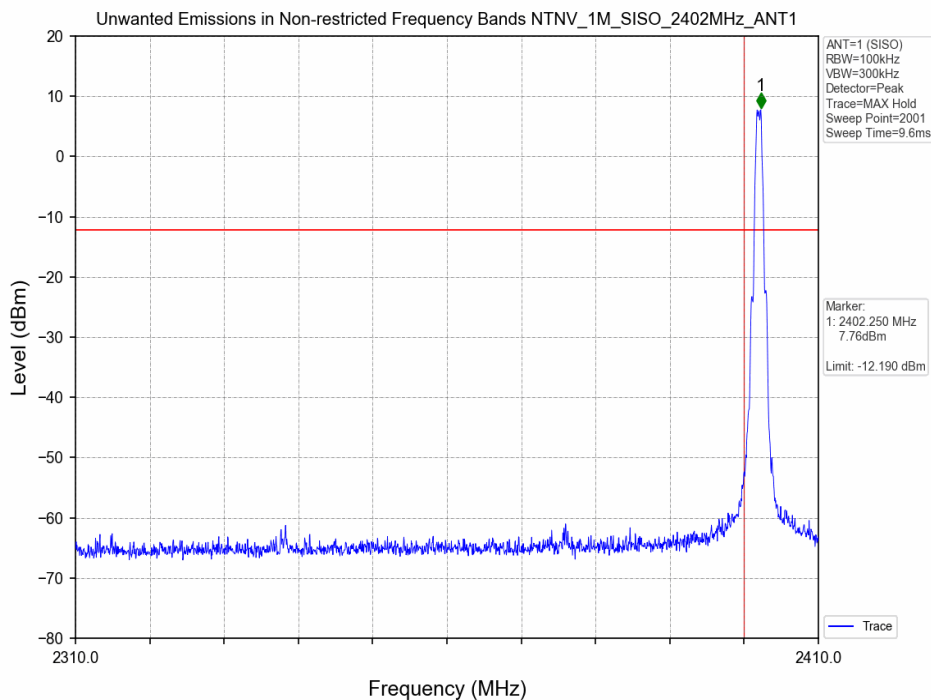


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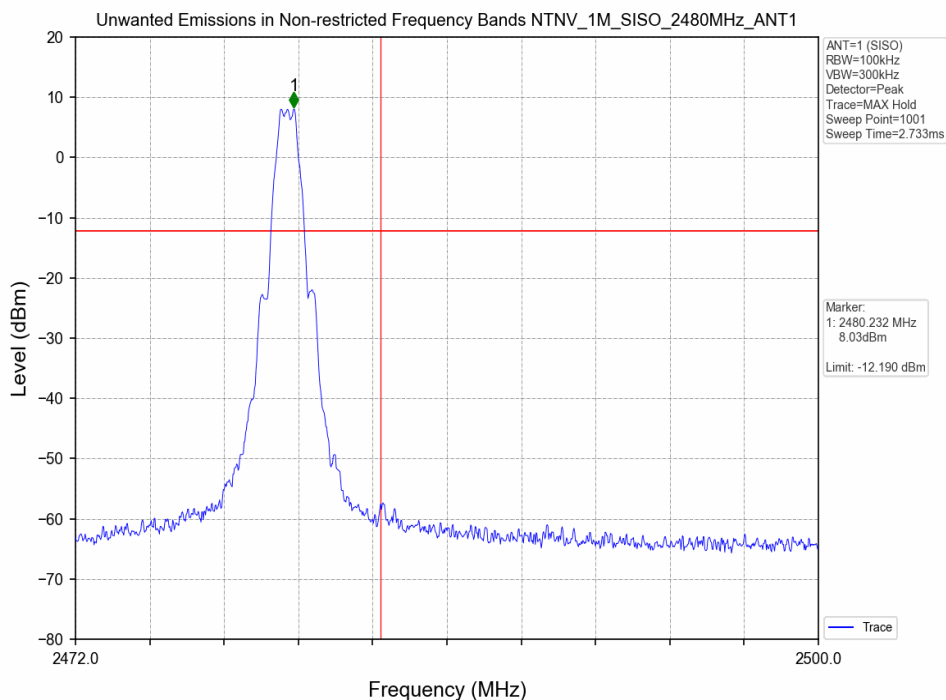
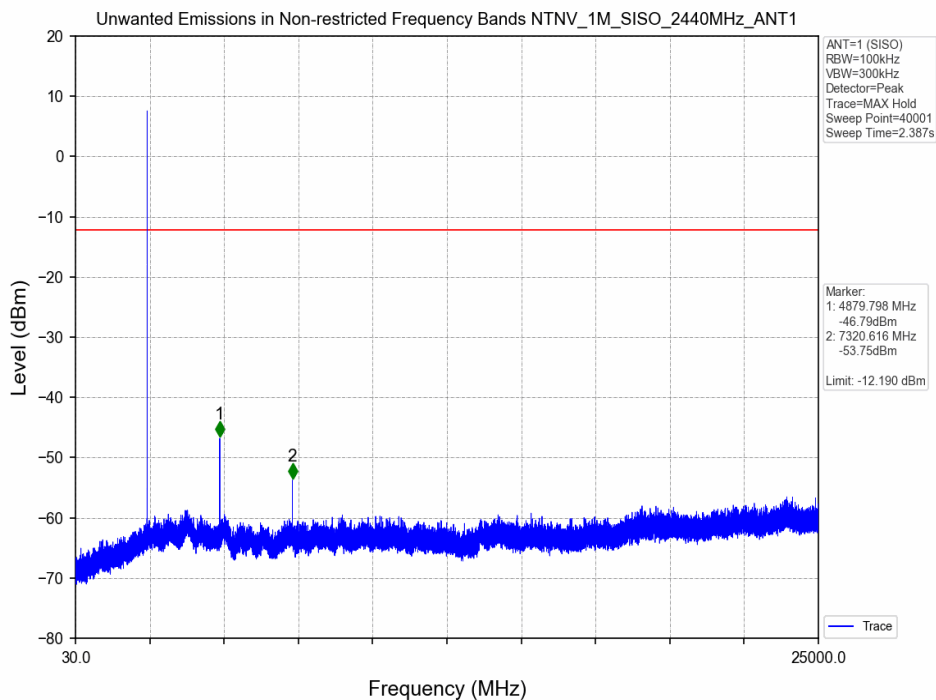
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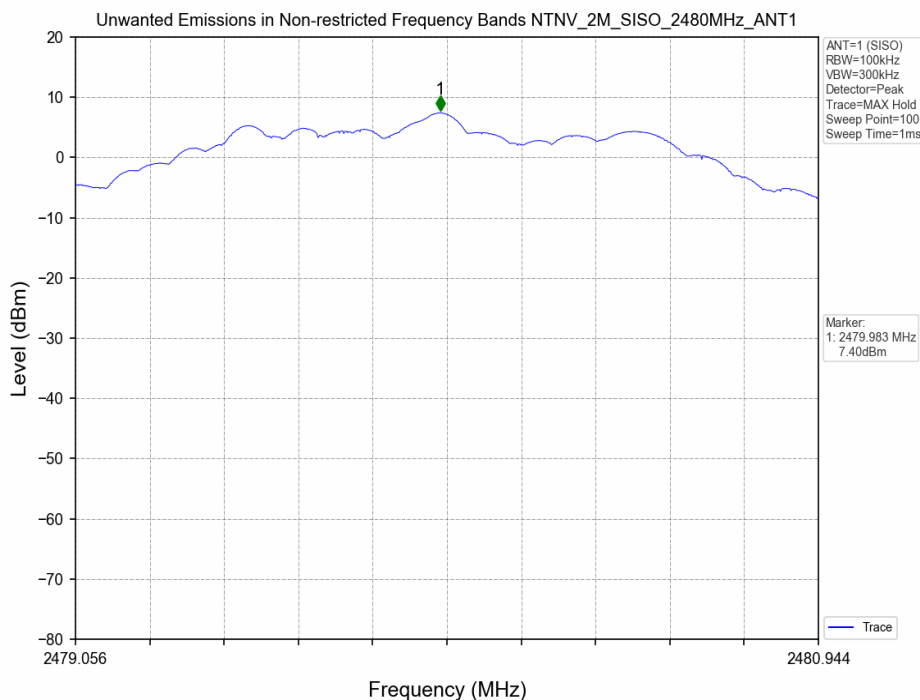
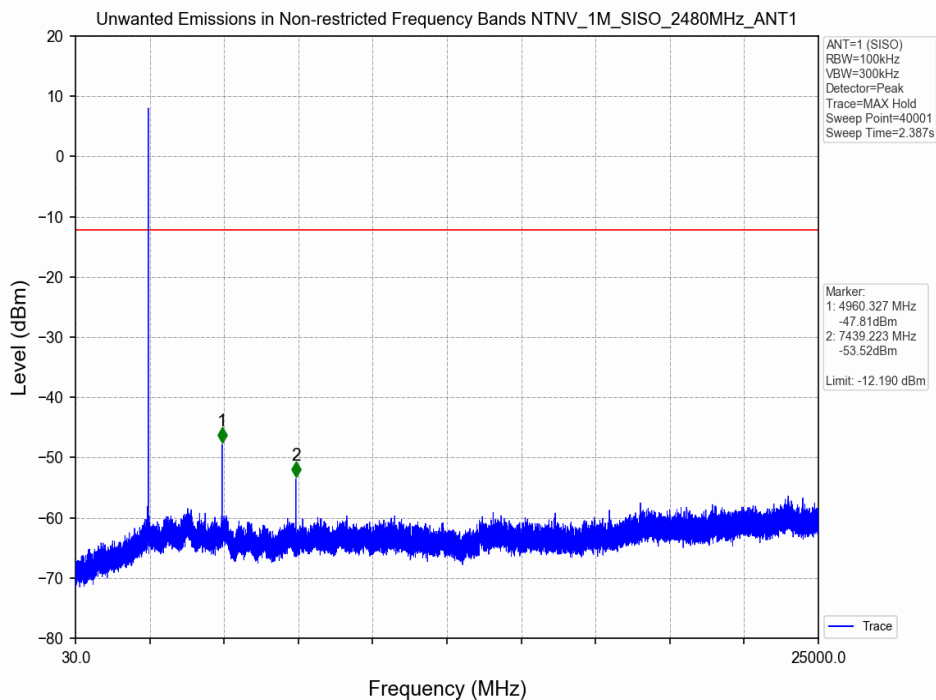
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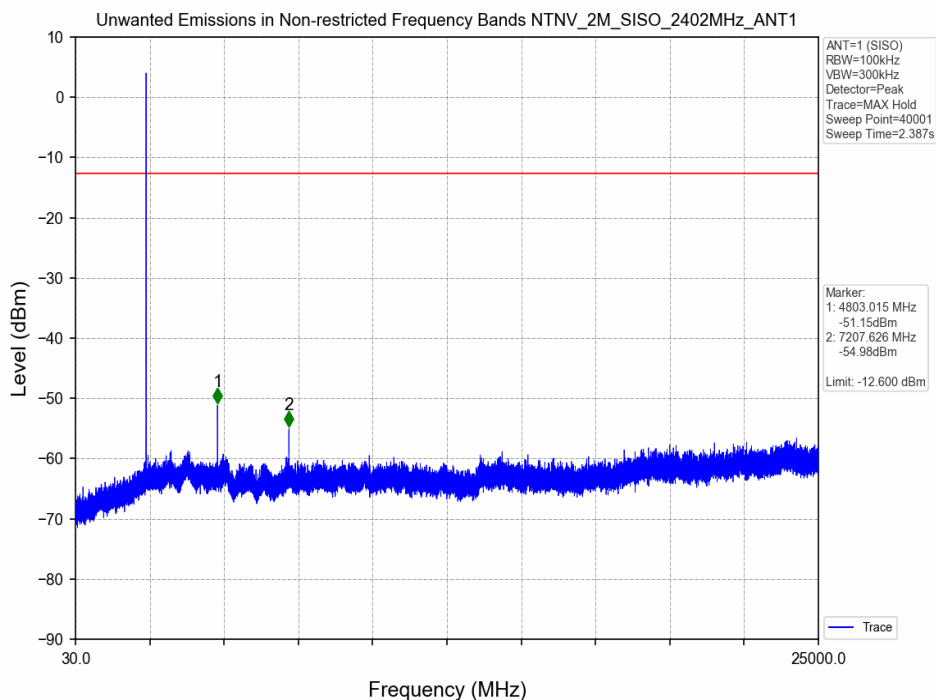
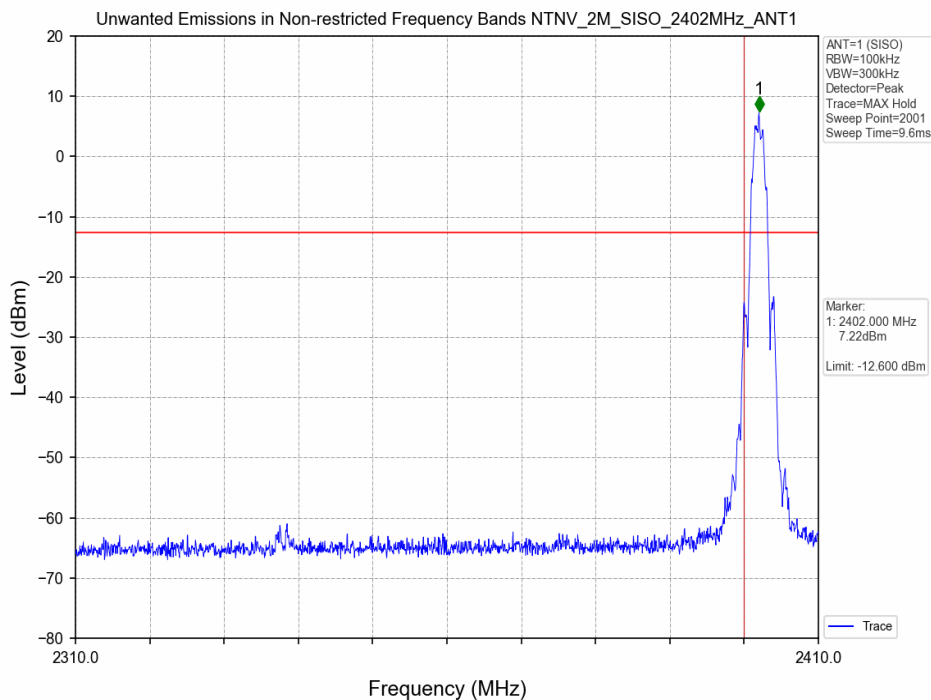
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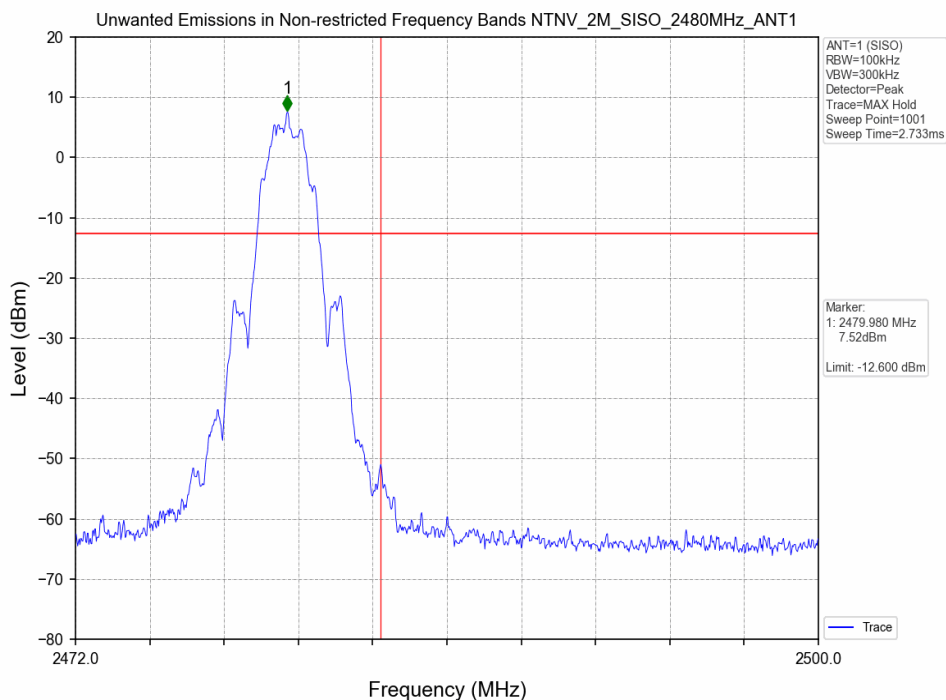
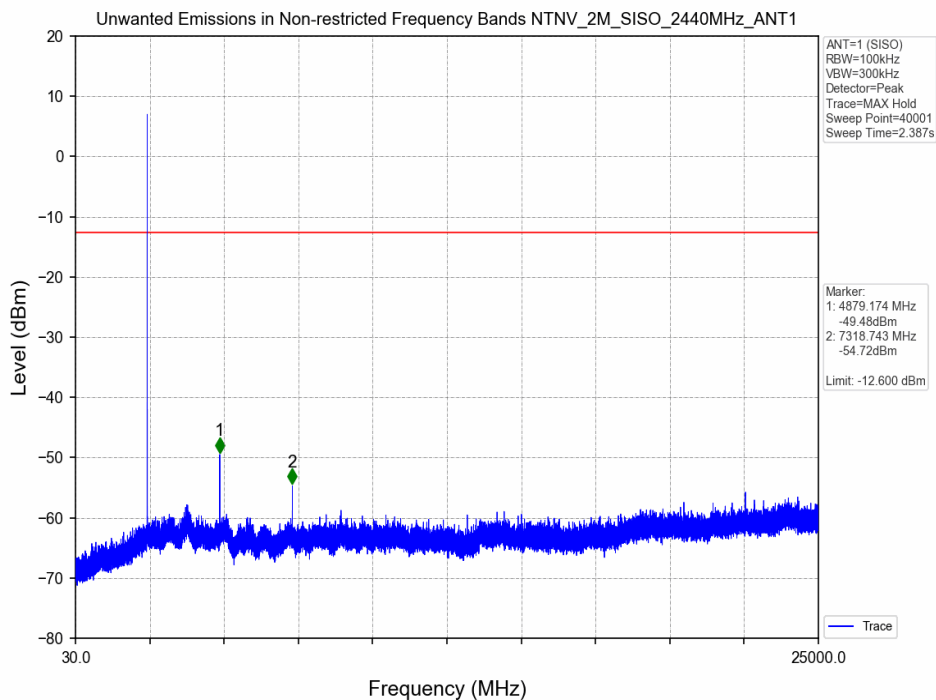
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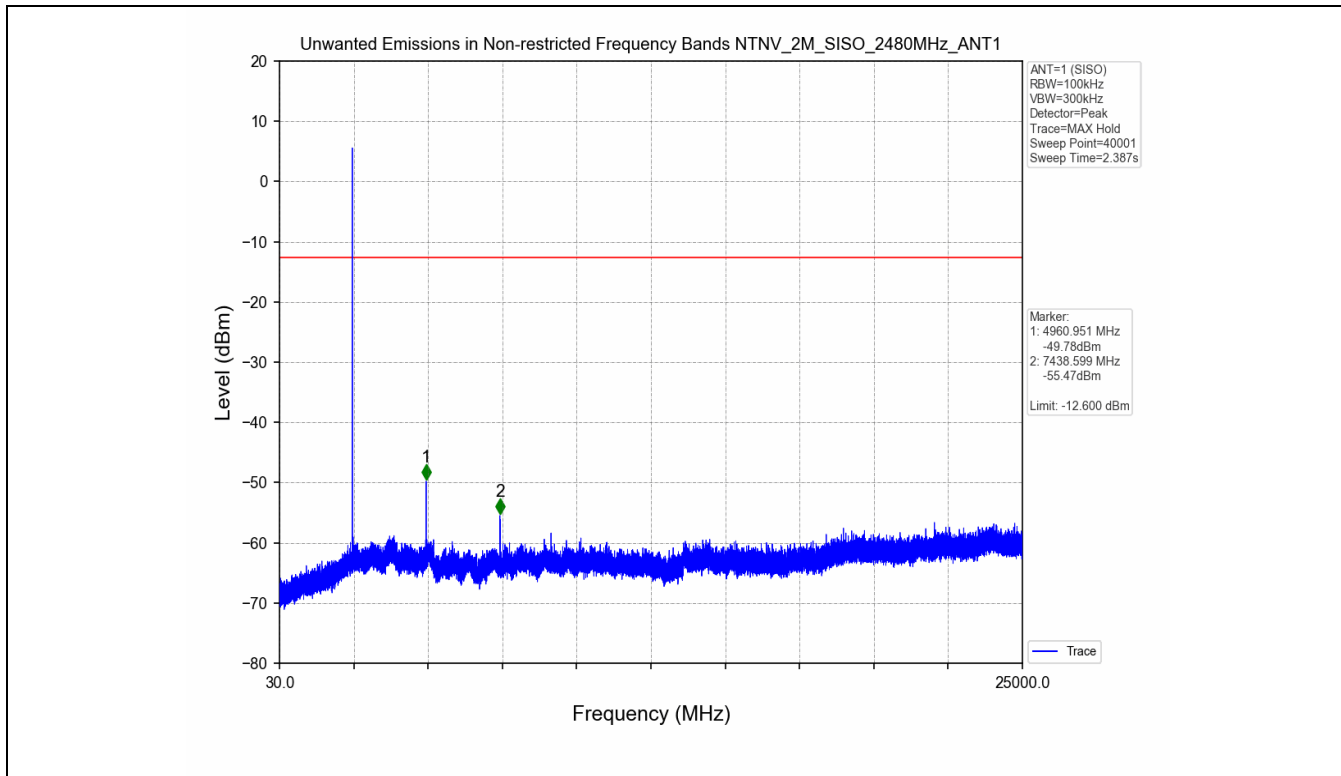
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