

## Appendix for 15.247

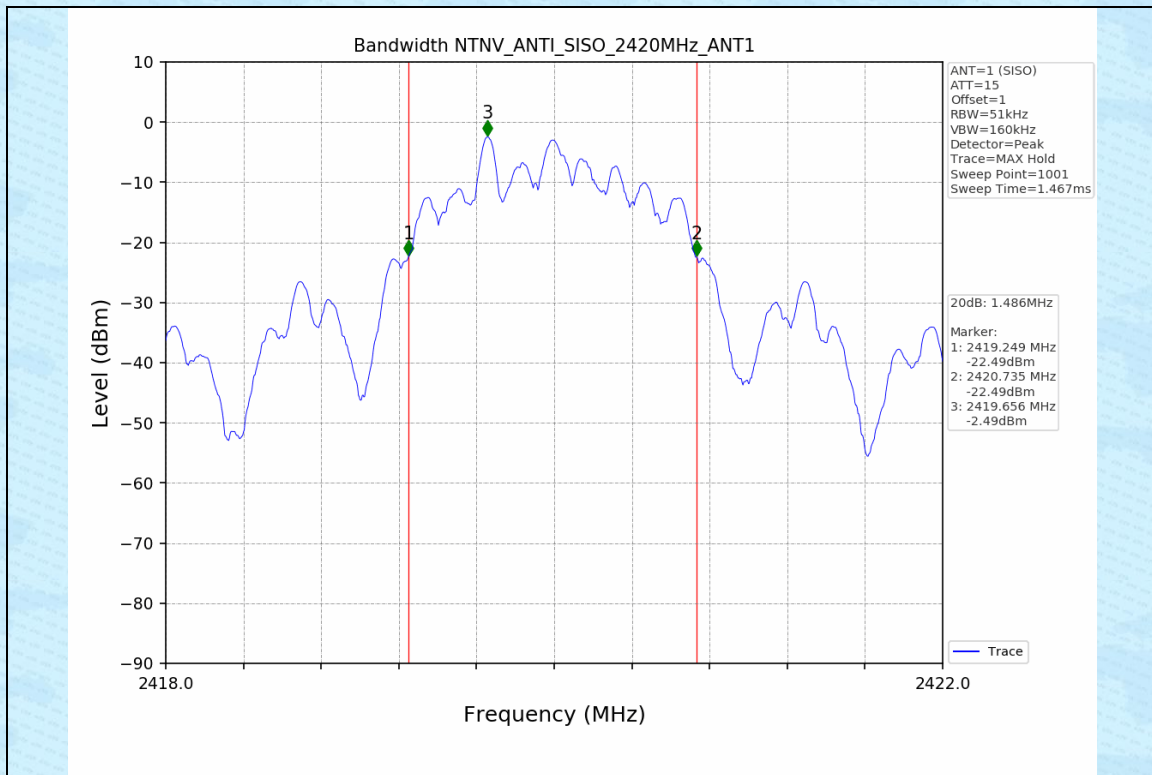
### 1. Bandwidth

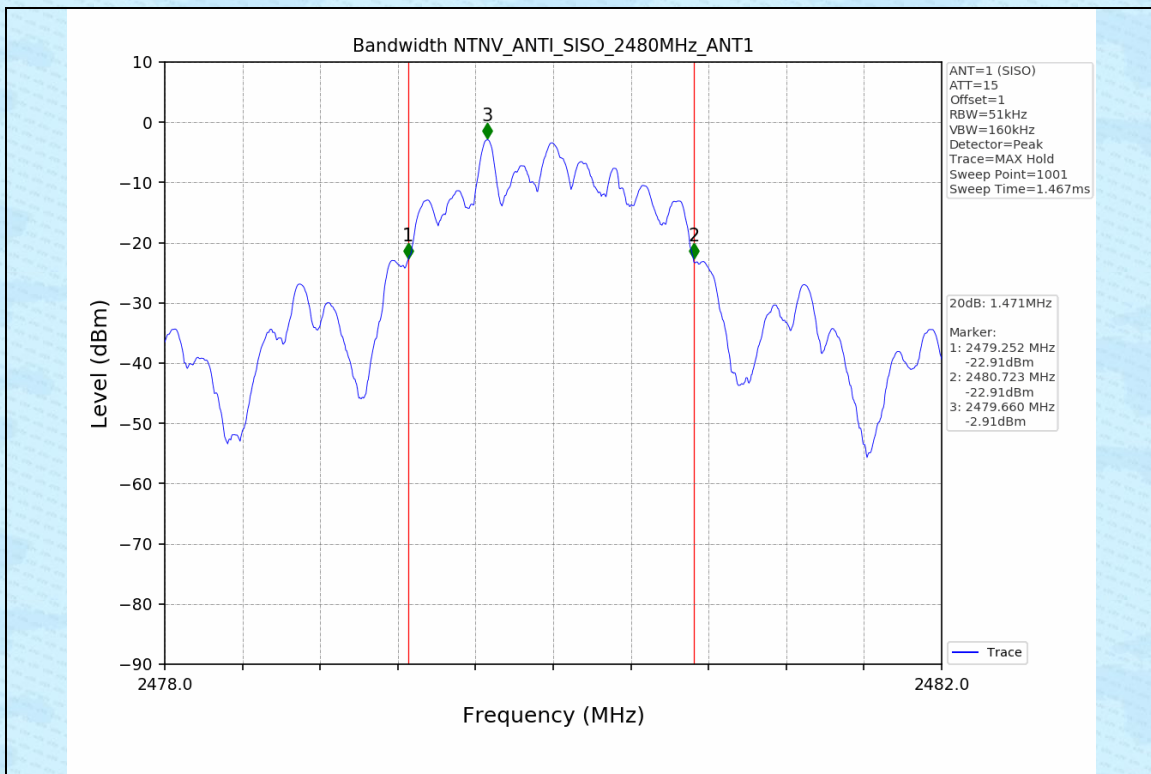
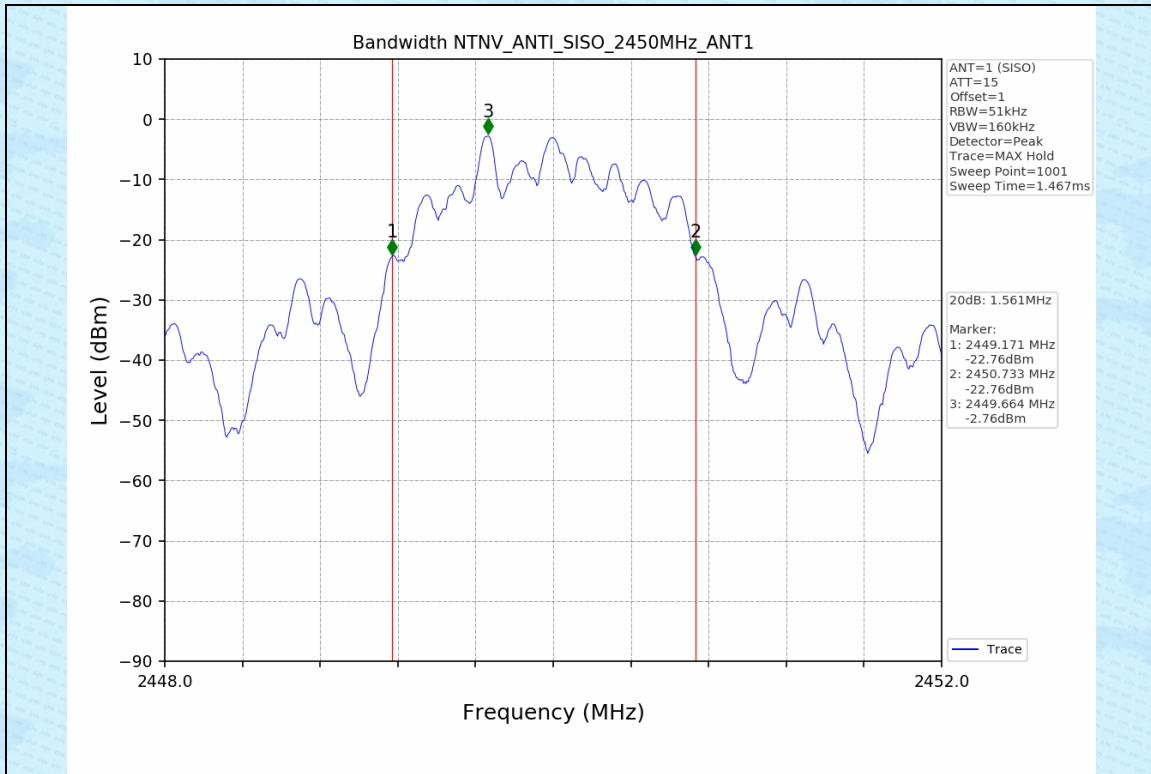
#### 1.1 Test Result

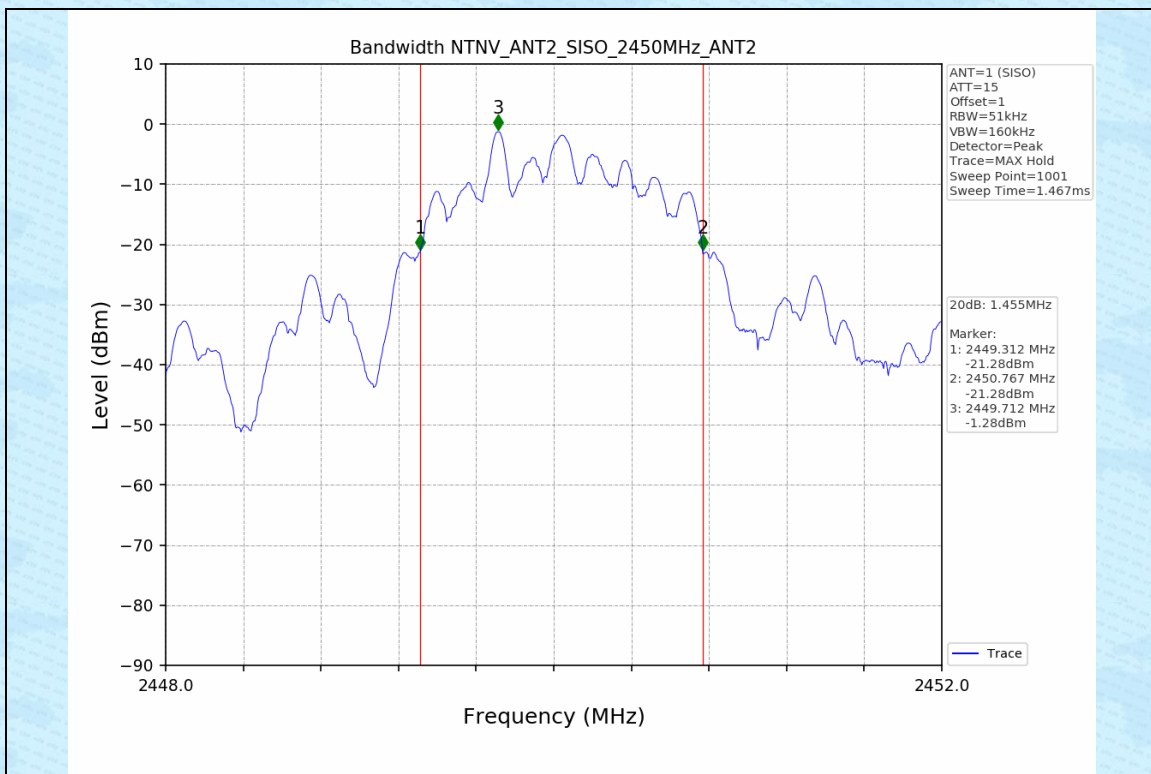
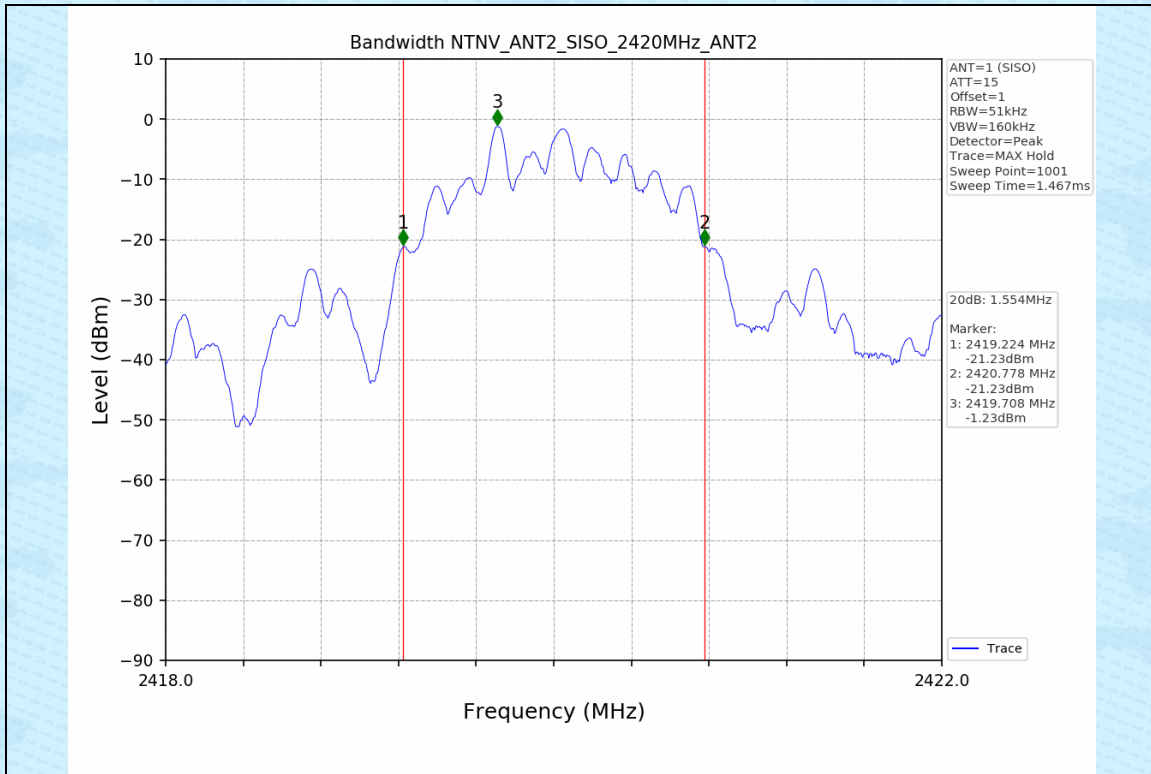
| Test Mode | Frequency (MHz) | TX Type | 20dB Bandwidth    | Verdict |
|-----------|-----------------|---------|-------------------|---------|
|           |                 |         | Test Result (MHz) |         |
| ANTI      | 2420            | SISO    | 1.486             | PASS    |
|           | 2450            | SISO    | 1.561             | PASS    |
|           | 2480            | SISO    | 1.471             | PASS    |
| ANT2      | 2420            | SISO    | 1.554             | PASS    |
|           | 2450            | SISO    | 1.455             | PASS    |
|           | 2480            | SISO    | 1.478             | PASS    |

| Test Mode | Frequency (MHz) | TX Type | 99% Occupied Bandwidth |                     |
|-----------|-----------------|---------|------------------------|---------------------|
|           |                 |         | Test Result (MHz)      |                     |
| ANTI      | 2420            | SISO    | 1.483                  | Only for Report Use |
|           | 2450            | SISO    | 1.485                  | Only for Report Use |
|           | 2480            | SISO    | 1.488                  | Only for Report Use |
| ANT2      | 2420            | SISO    | 1.495                  | Only for Report Use |
|           | 2450            | SISO    | 1.486                  | Only for Report Use |
|           | 2480            | SISO    | 1.483                  | Only for Report Use |

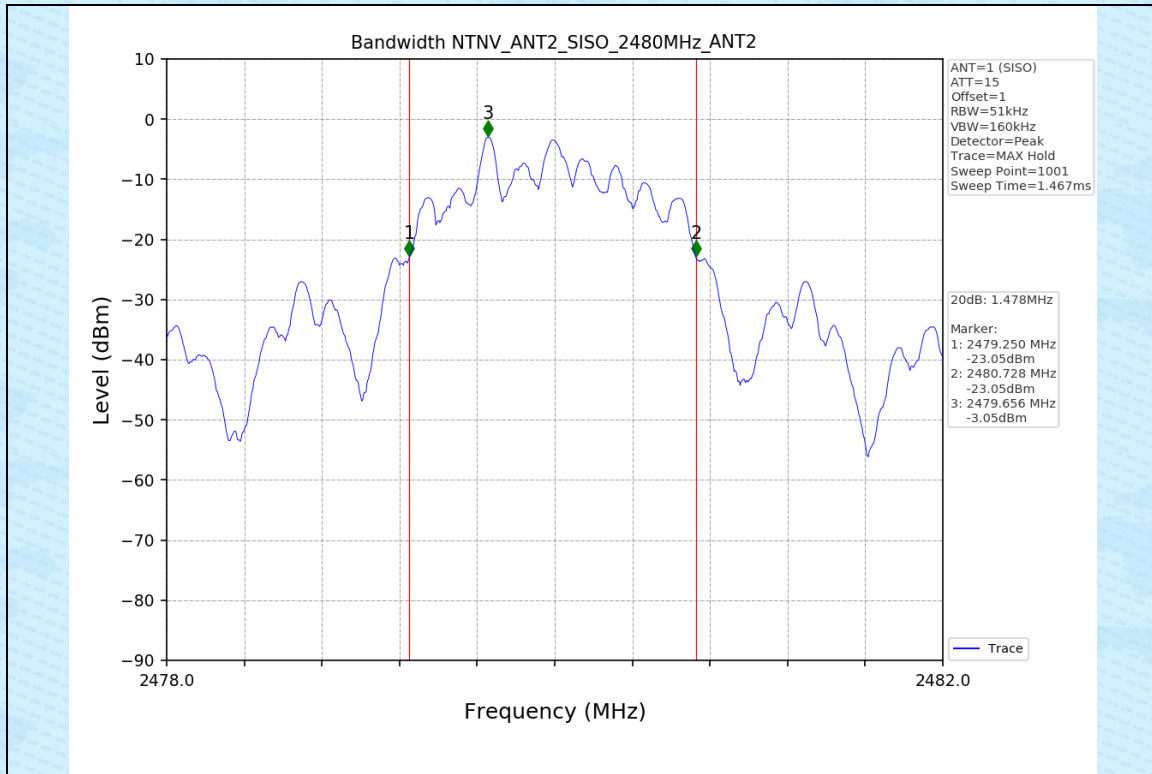
#### 1.2 Test Graph - 20dB Bandwidth



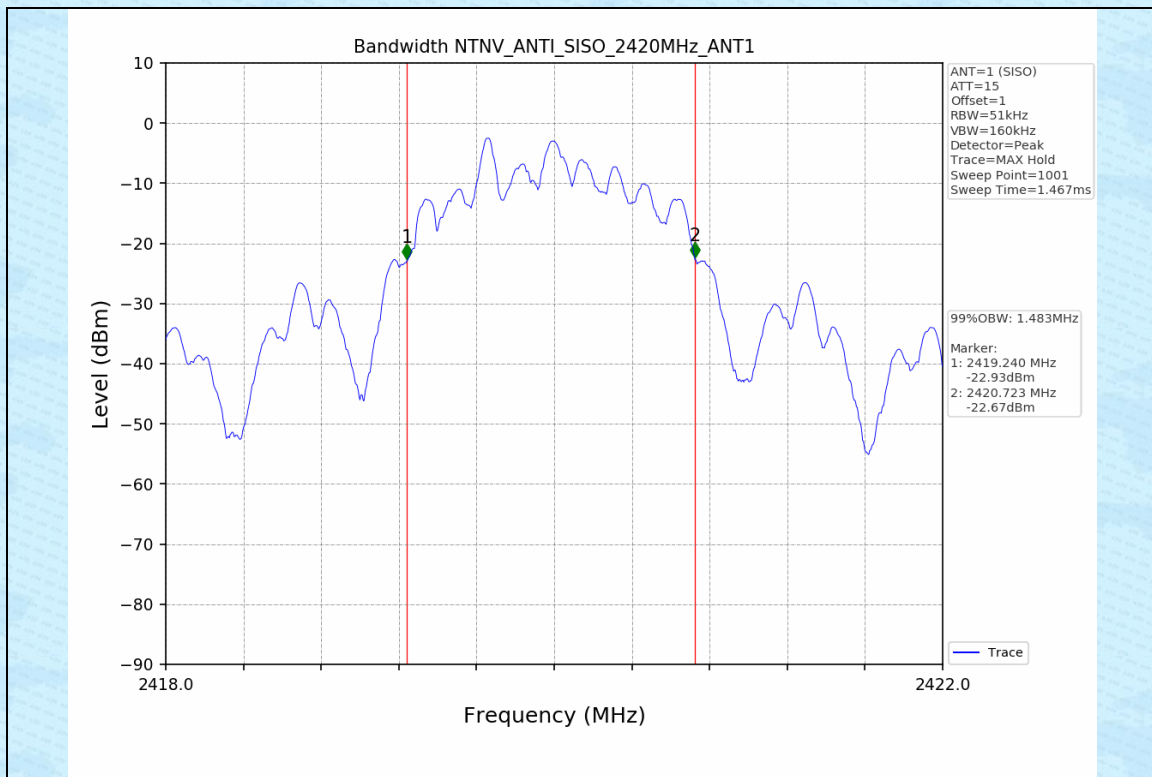


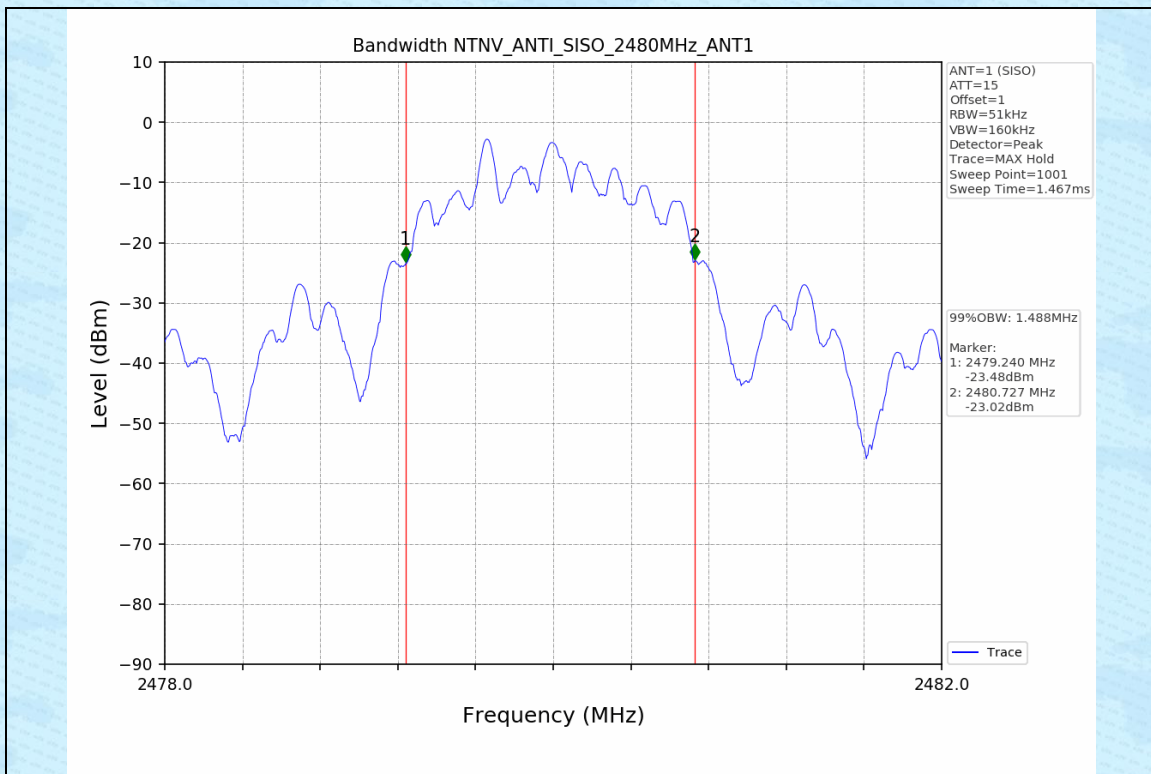
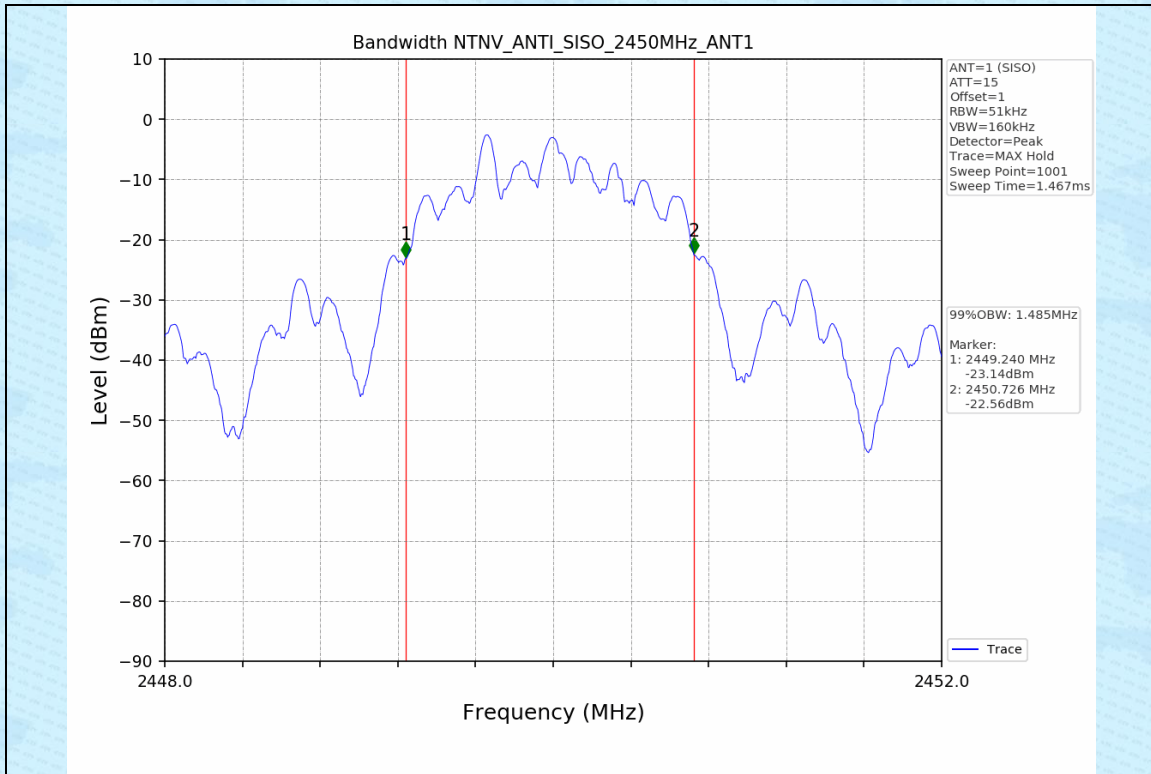


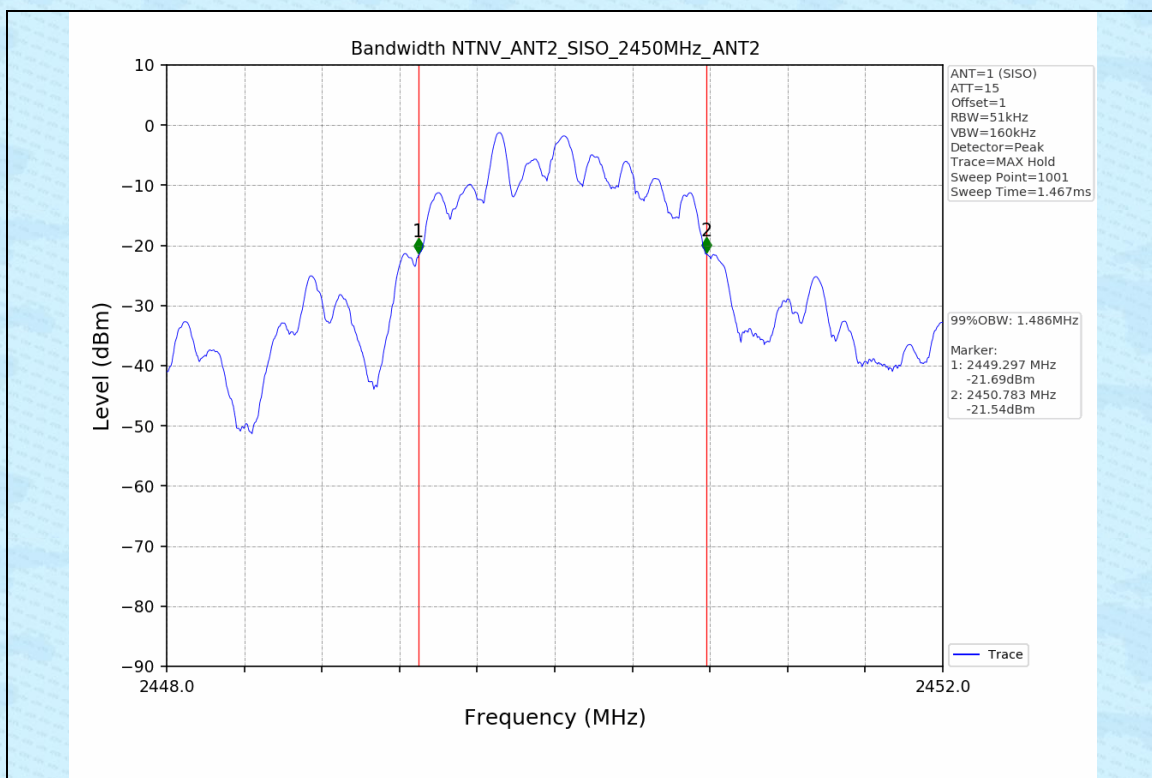
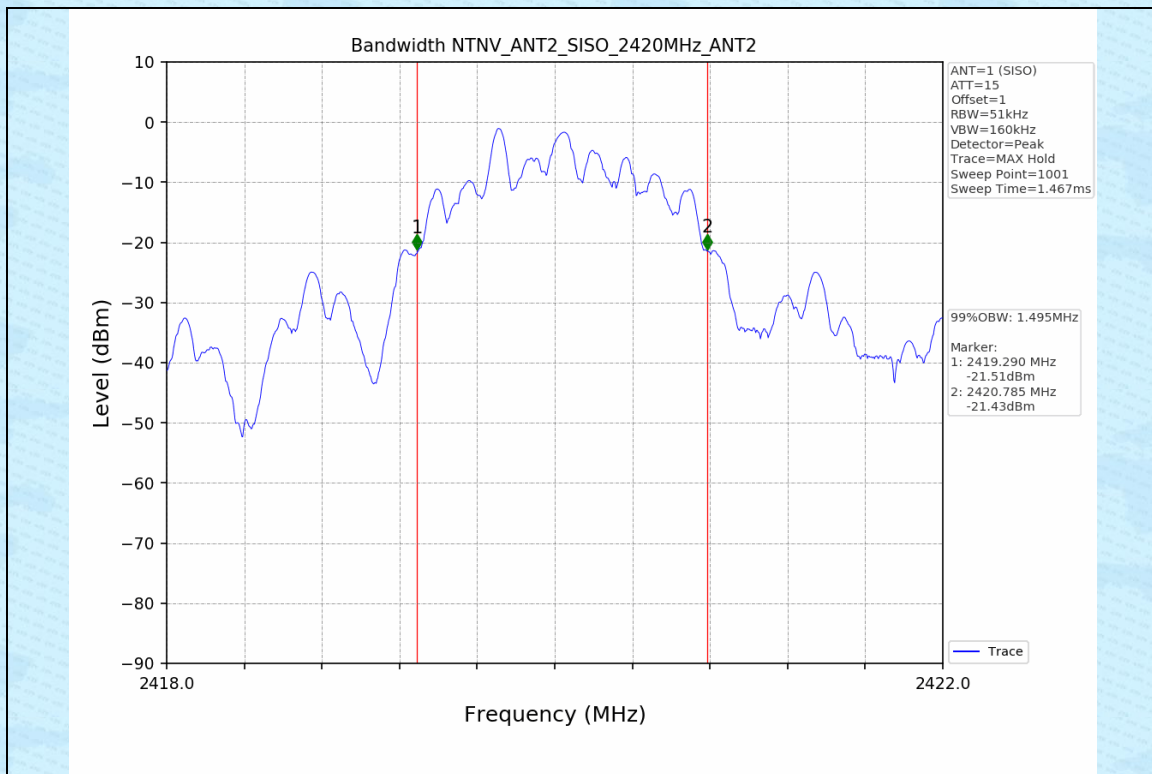




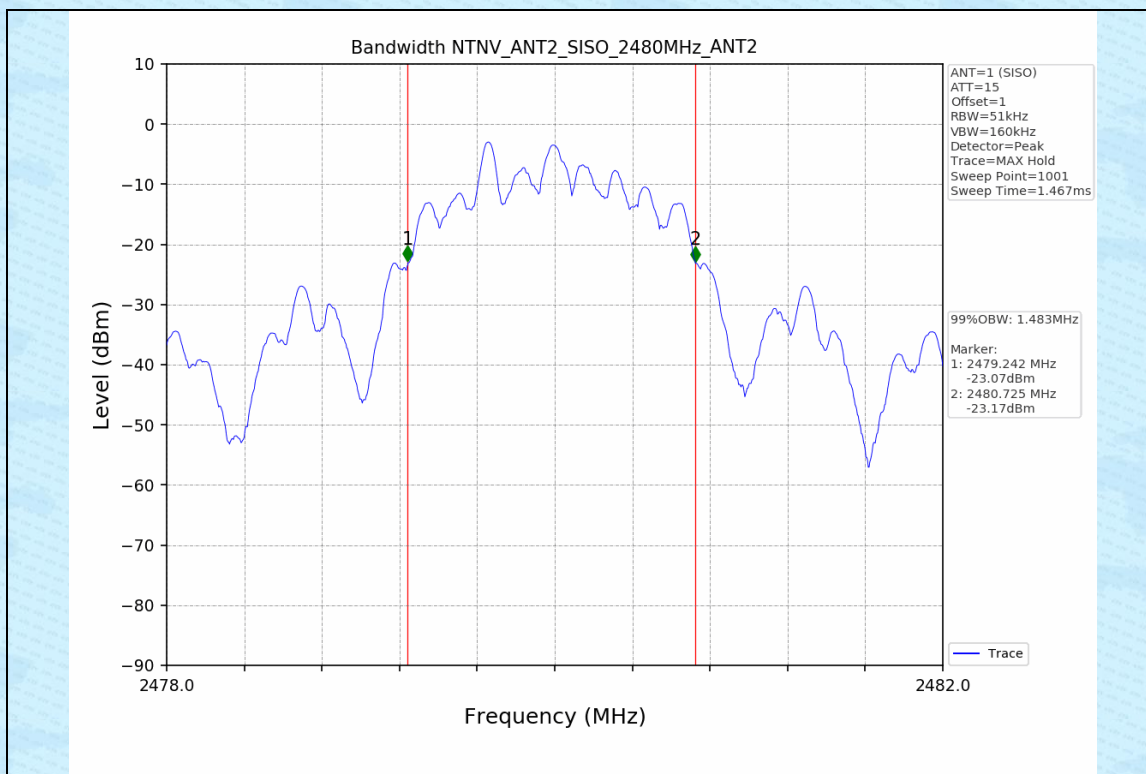
## 1.3 Test Graph - 99% Occupied Bandwidth











## 2. Maximum Conducted Output Power

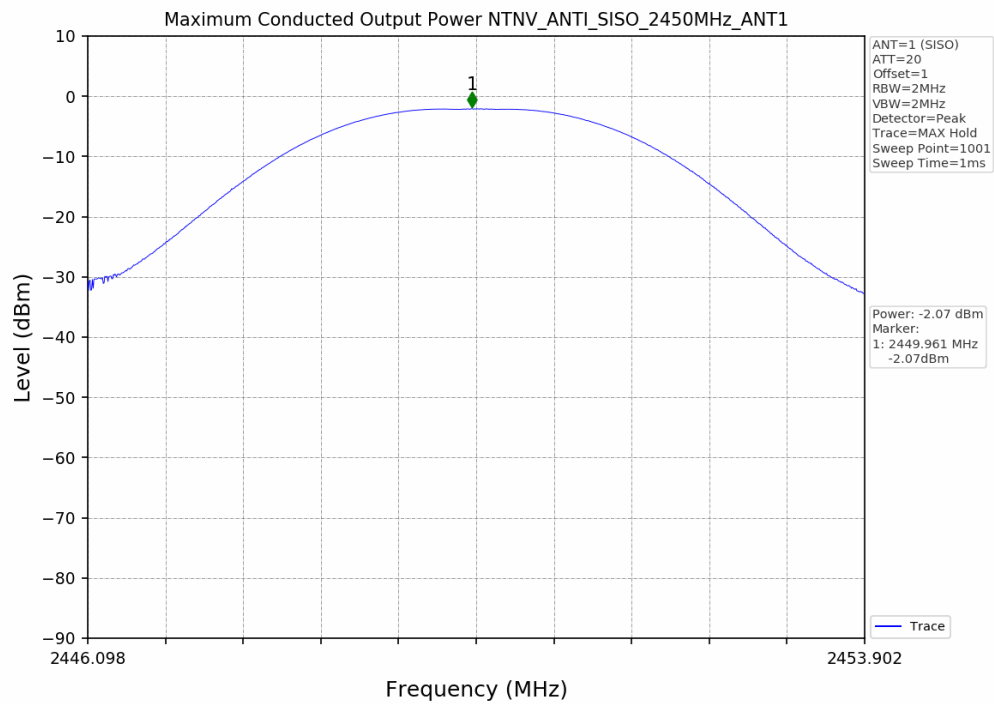
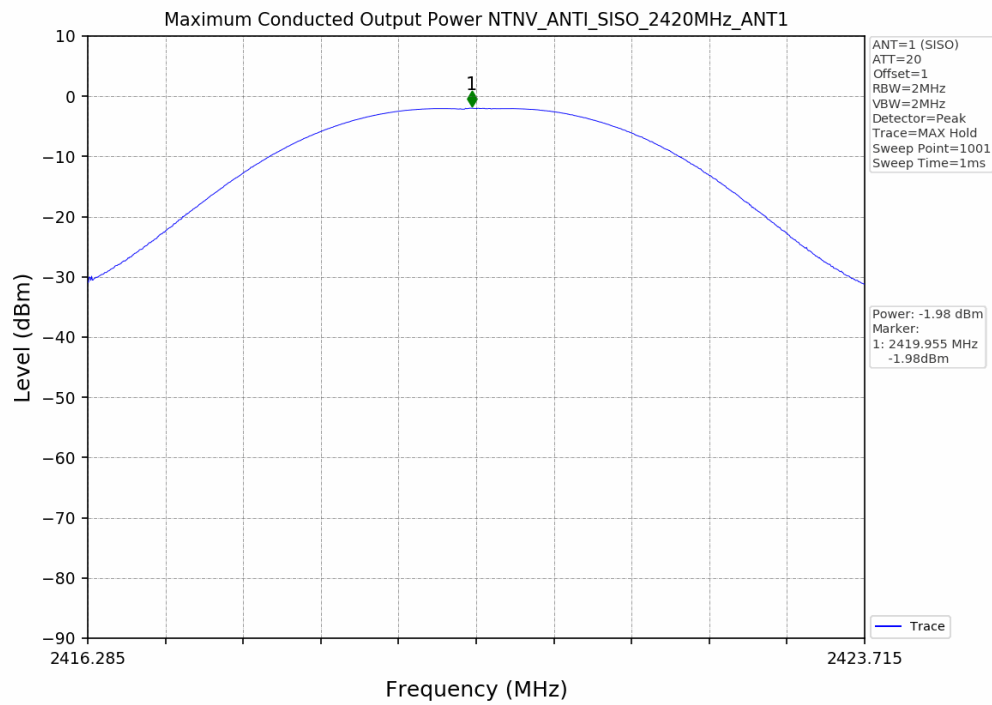
### 2.1 Test Result

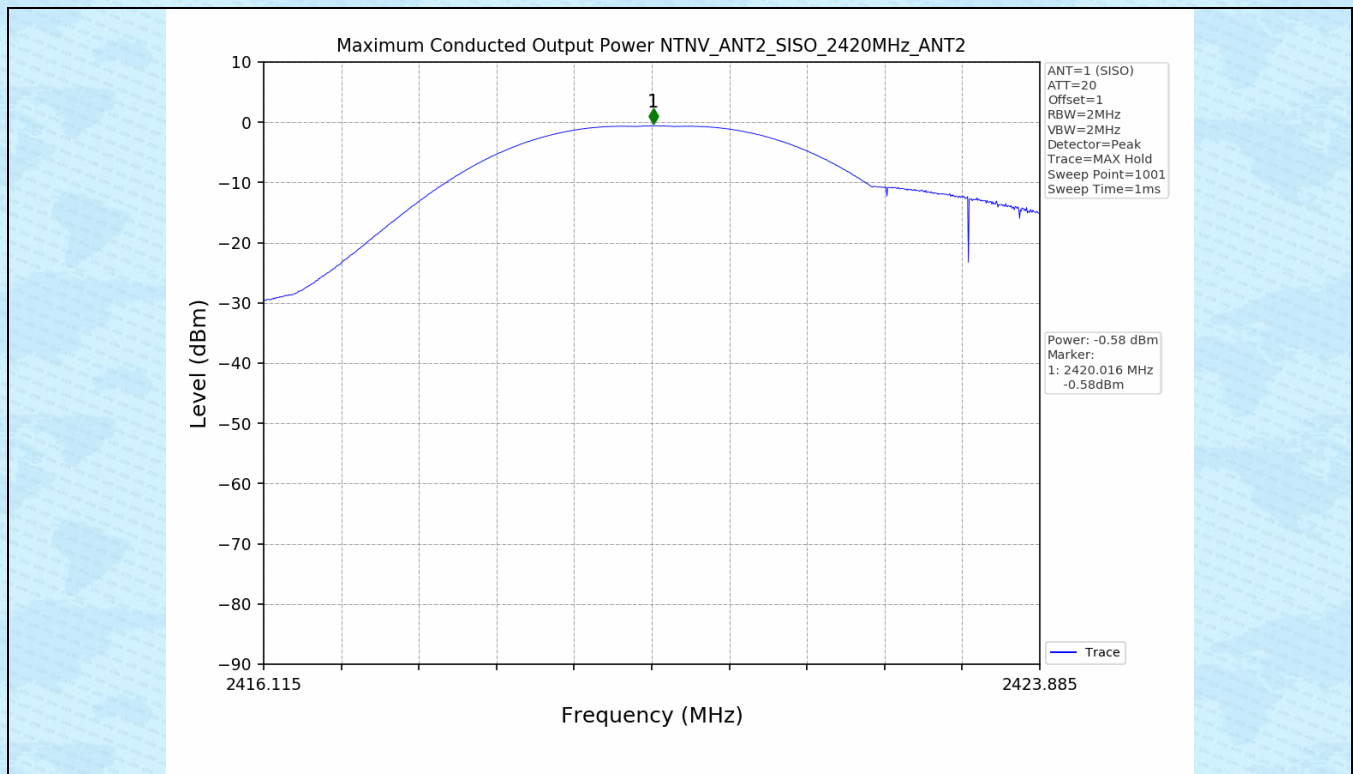
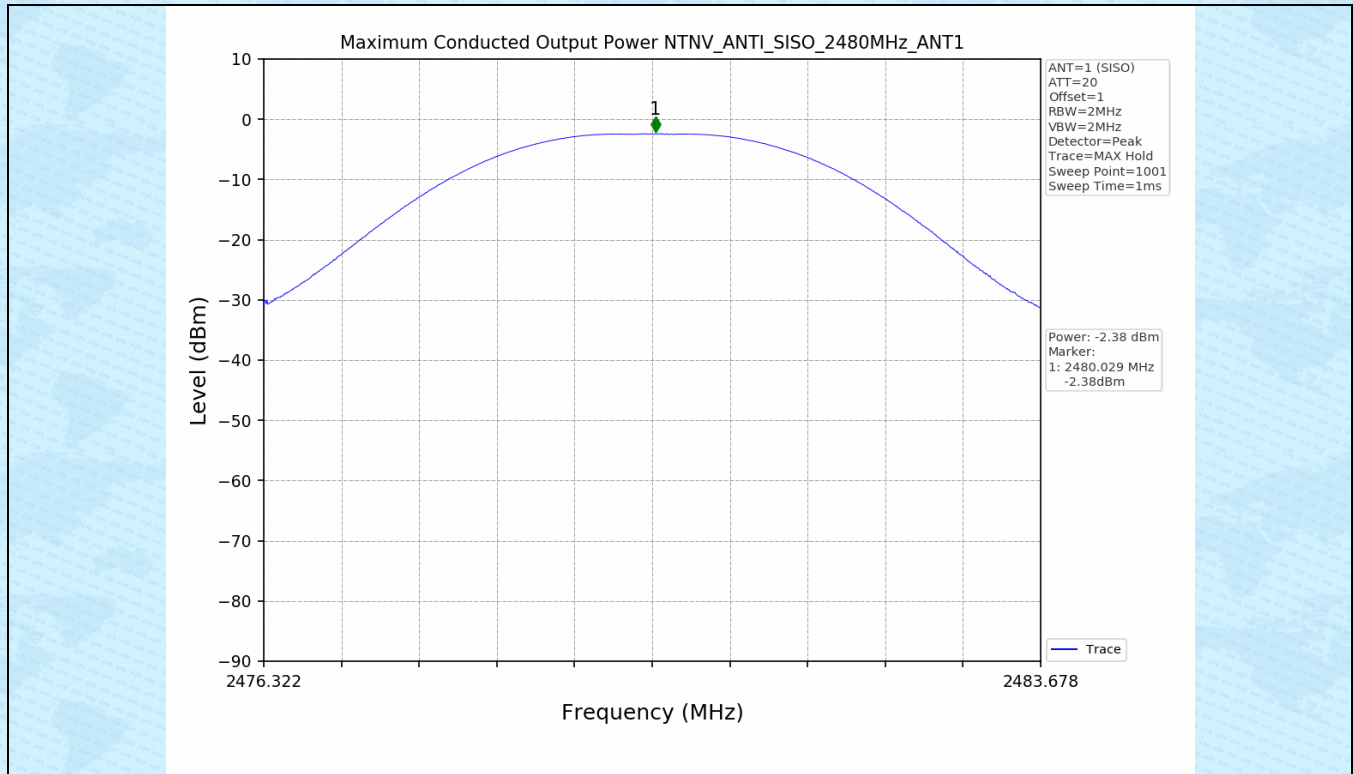
| Test Mode | Frequency (MHz) | Tx Type | Measured Peak Output Power (dBm) | Limits (dBm) | Verdict |
|-----------|-----------------|---------|----------------------------------|--------------|---------|
|           |                 |         | Ant 1                            |              |         |
| ANTI      | 2420            | SISO    | -1.98                            | 20.97        | PASS    |
|           | 2450            | SISO    | -2.07                            | 20.97        | PASS    |
|           | 2480            | SISO    | -2.38                            | 20.97        | PASS    |

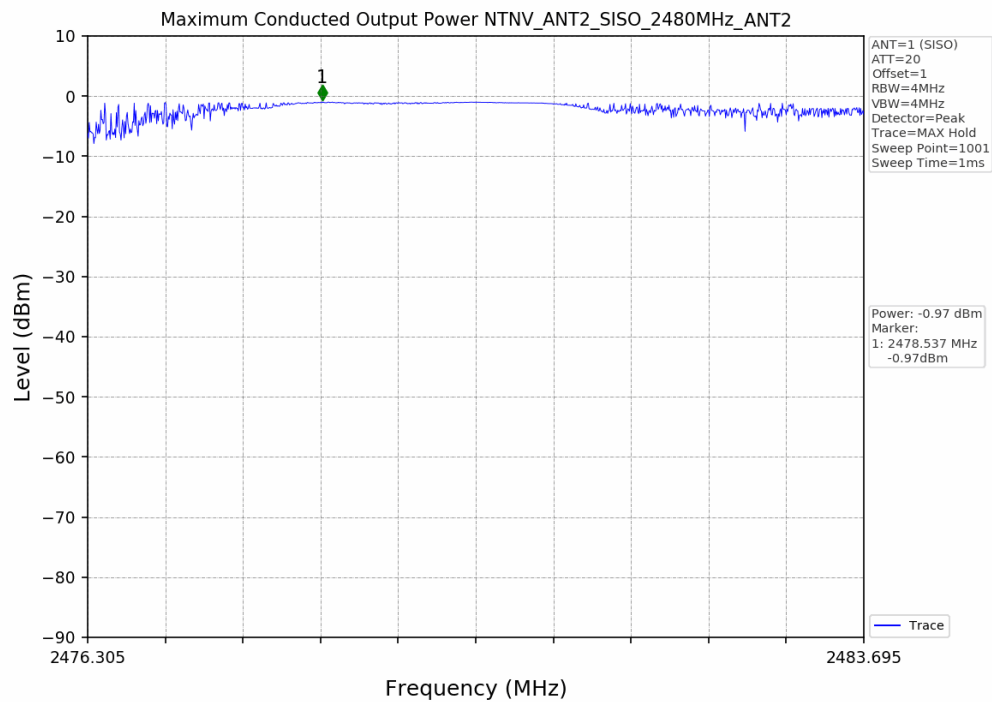
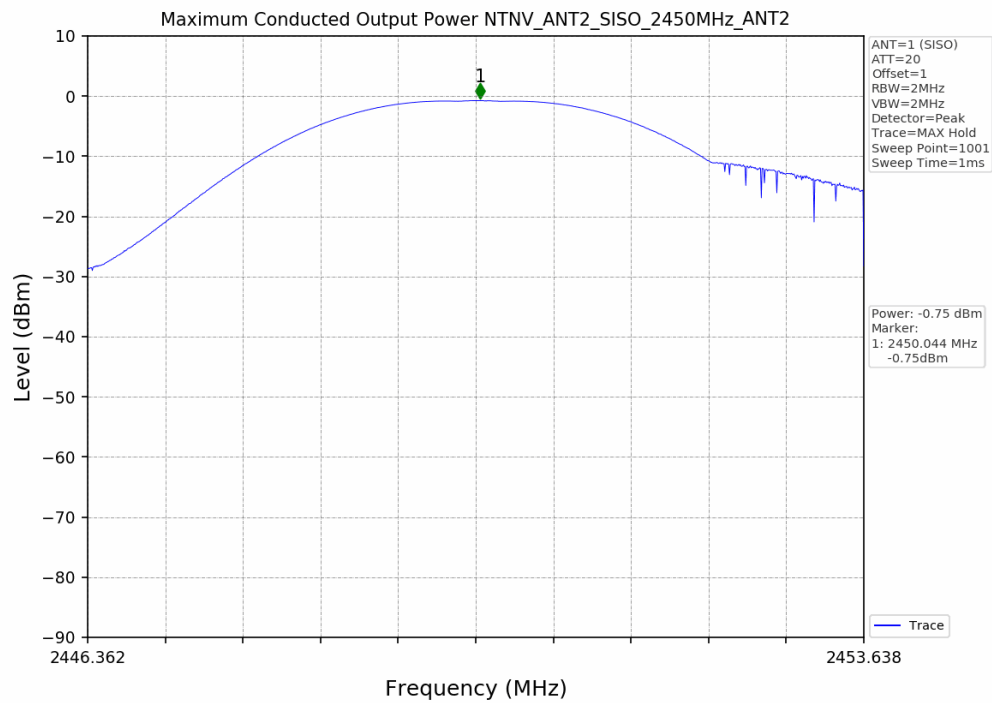
| Test Mode | Frequency (MHz) | Tx Type | Measured Peak Output Power (dBm) | Limits (dBm) | Verdict |
|-----------|-----------------|---------|----------------------------------|--------------|---------|
|           |                 |         | Ant 1                            |              |         |
| ANT2      | 2420            | SISO    | -0.58                            | 20.97        | PASS    |
|           | 2450            | SISO    | -0.75                            | 20.97        | PASS    |
|           | 2480            | SISO    | -0.97                            | 20.97        | PASS    |

### 2.2 Test Graph









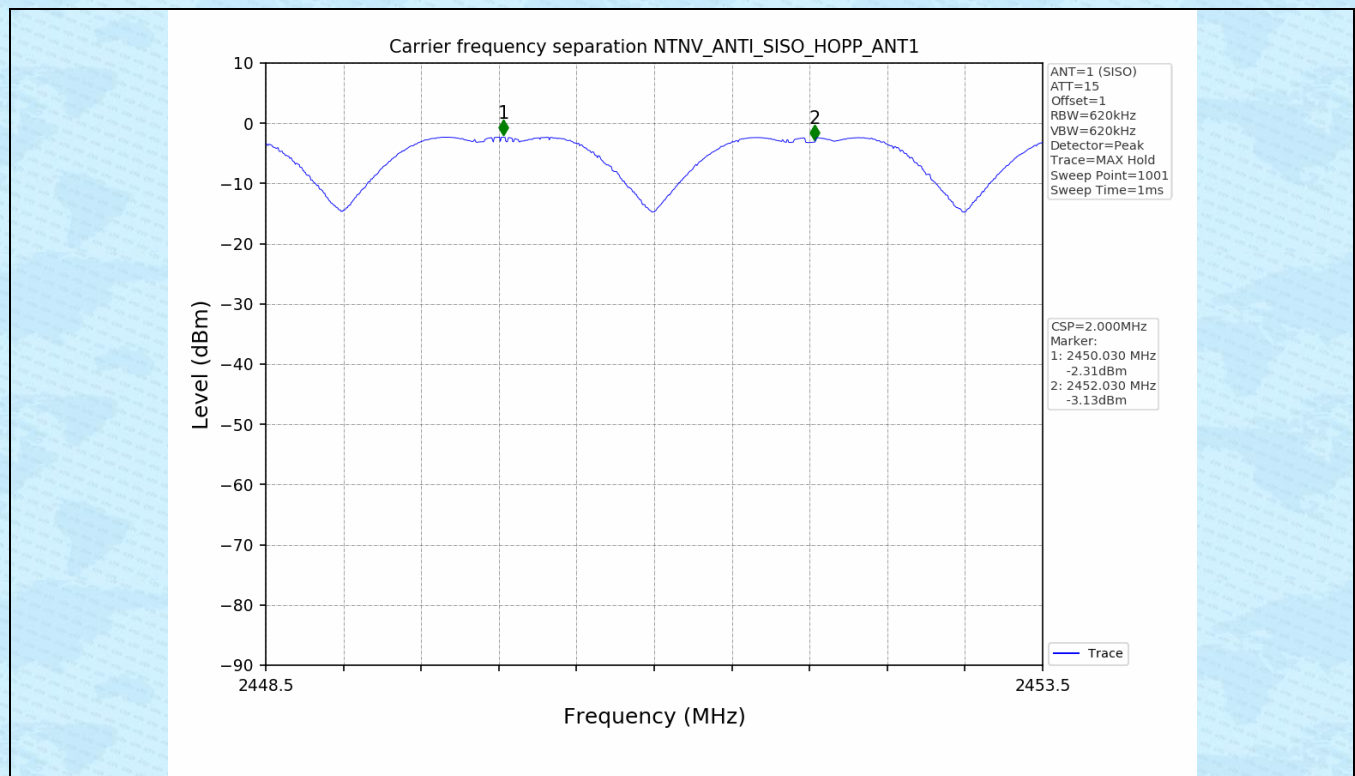


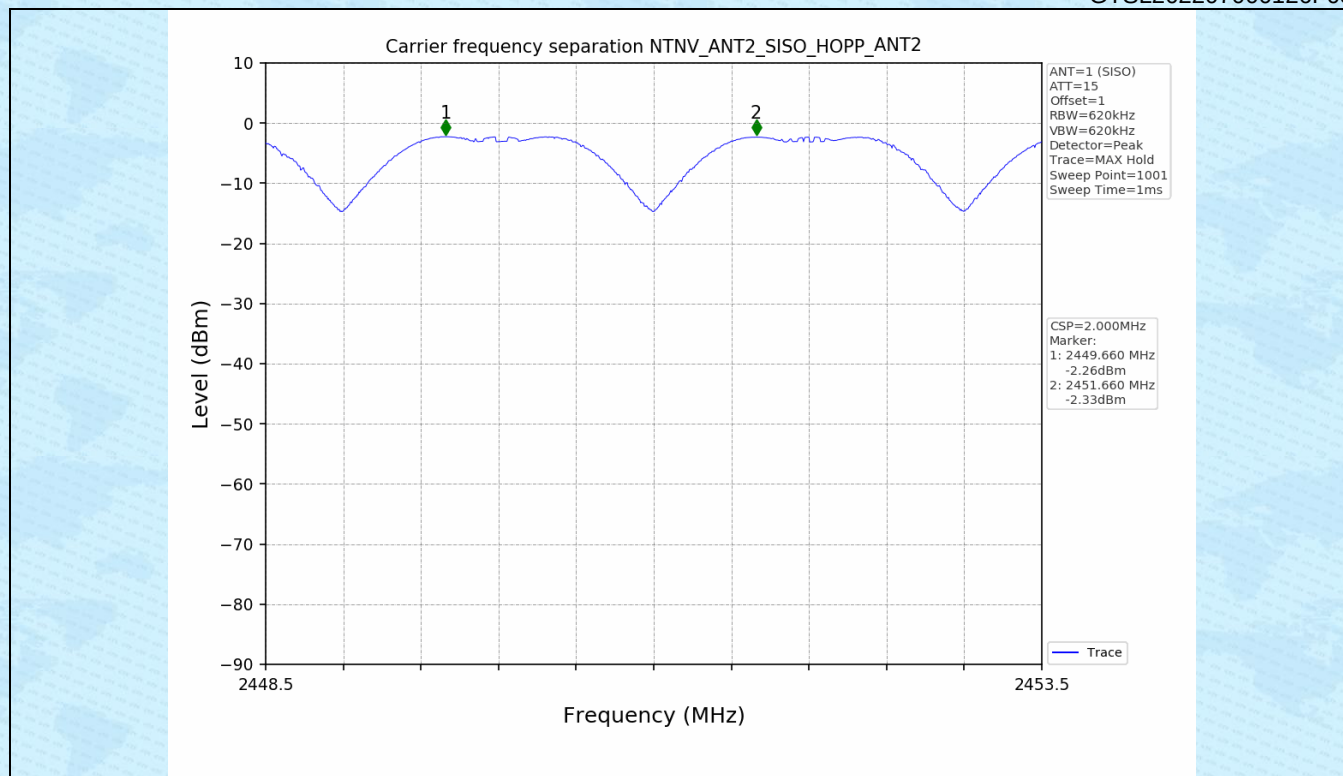
## 3. Carrier frequency separation

### 3.1 Test Result

| Test Mode | TX Type | Channel Separation (MHz) | 20dB Bandwidth (MHz) | Limits (MHz) | Verdict |
|-----------|---------|--------------------------|----------------------|--------------|---------|
| ANTI      | SISO    | 2.000                    | 1.561                | $\geq 1.561$ | PASS    |
| ANT2      | SISO    | 2.000                    | 1.554                | $\geq 1.554$ | PASS    |

### 3.2 Test Graph



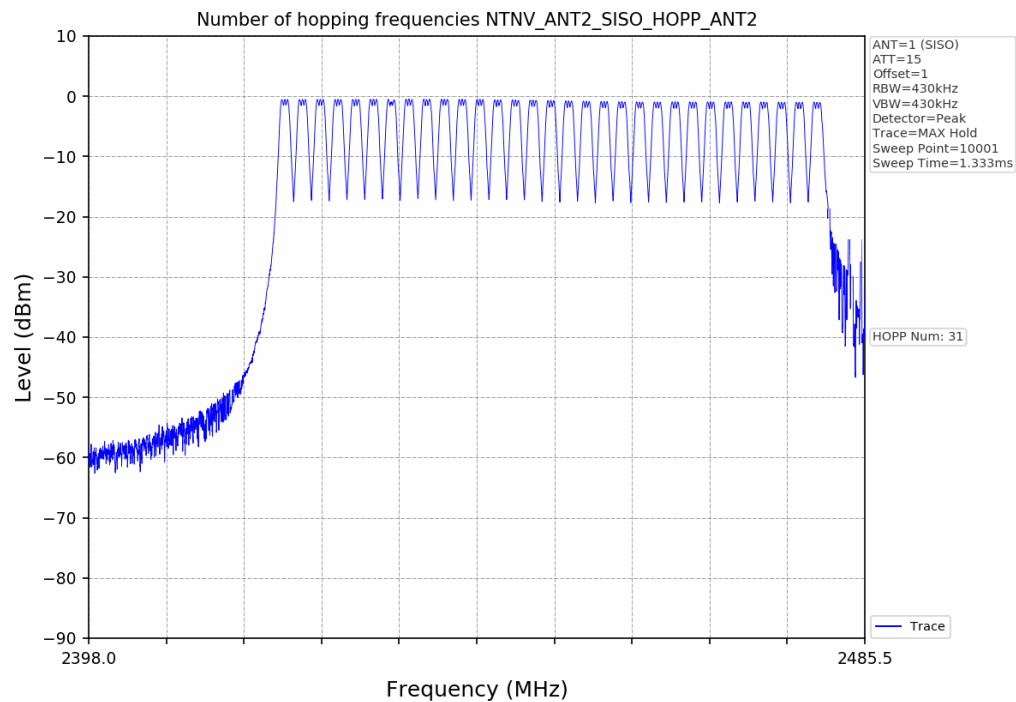
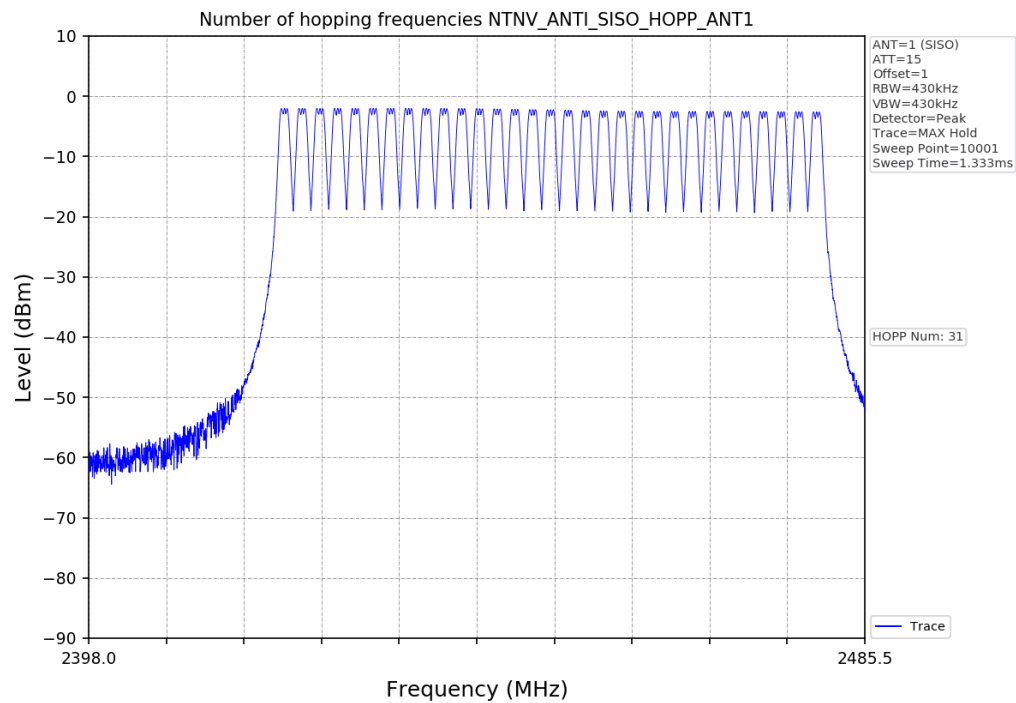


## 4. Number of hopping frequencies

### 4.1 Test Result

| Test Mode | TX Type | Num of Hopping Frequencies | Limits | Verdict |
|-----------|---------|----------------------------|--------|---------|
| ANT1      | SISO    | 31                         | ≥15    | PASS    |
| ANT2      | SISO    | 31                         | ≥15    | PASS    |

### 4.2 Test Graph



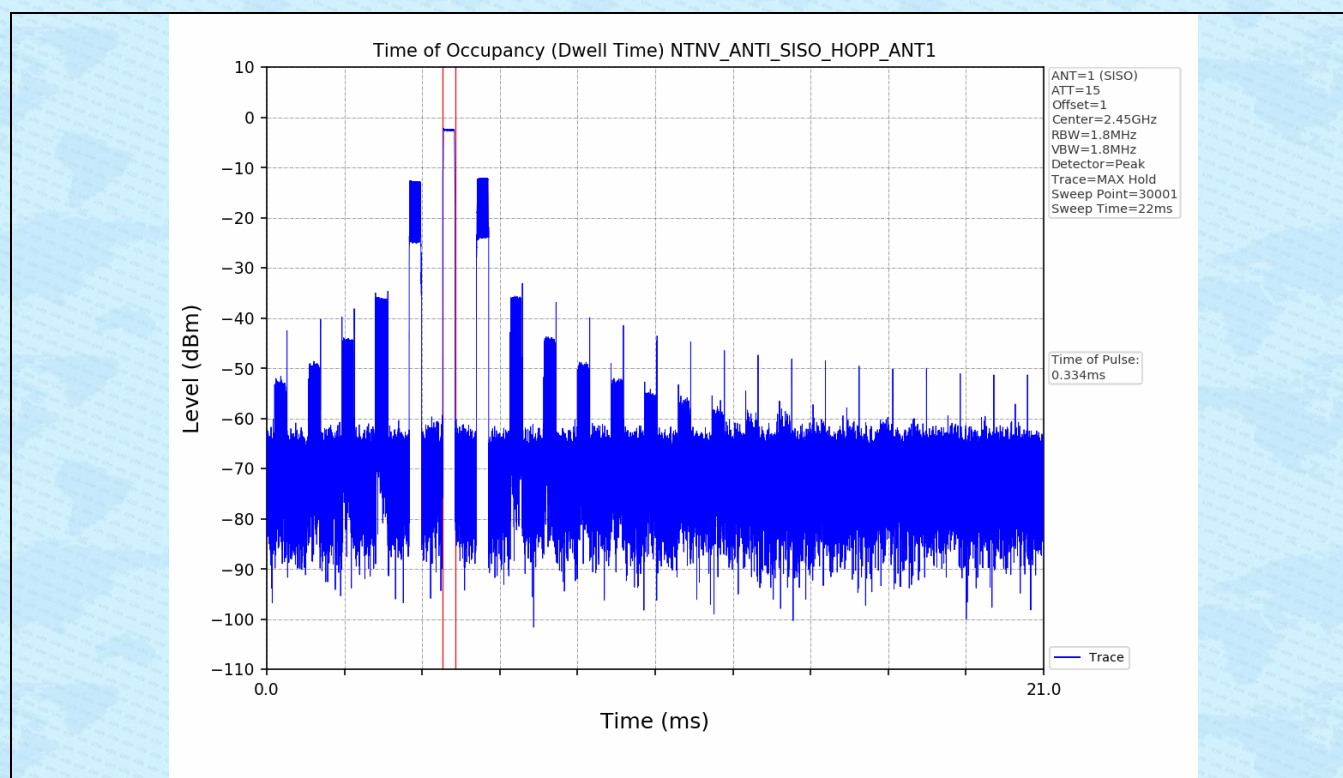


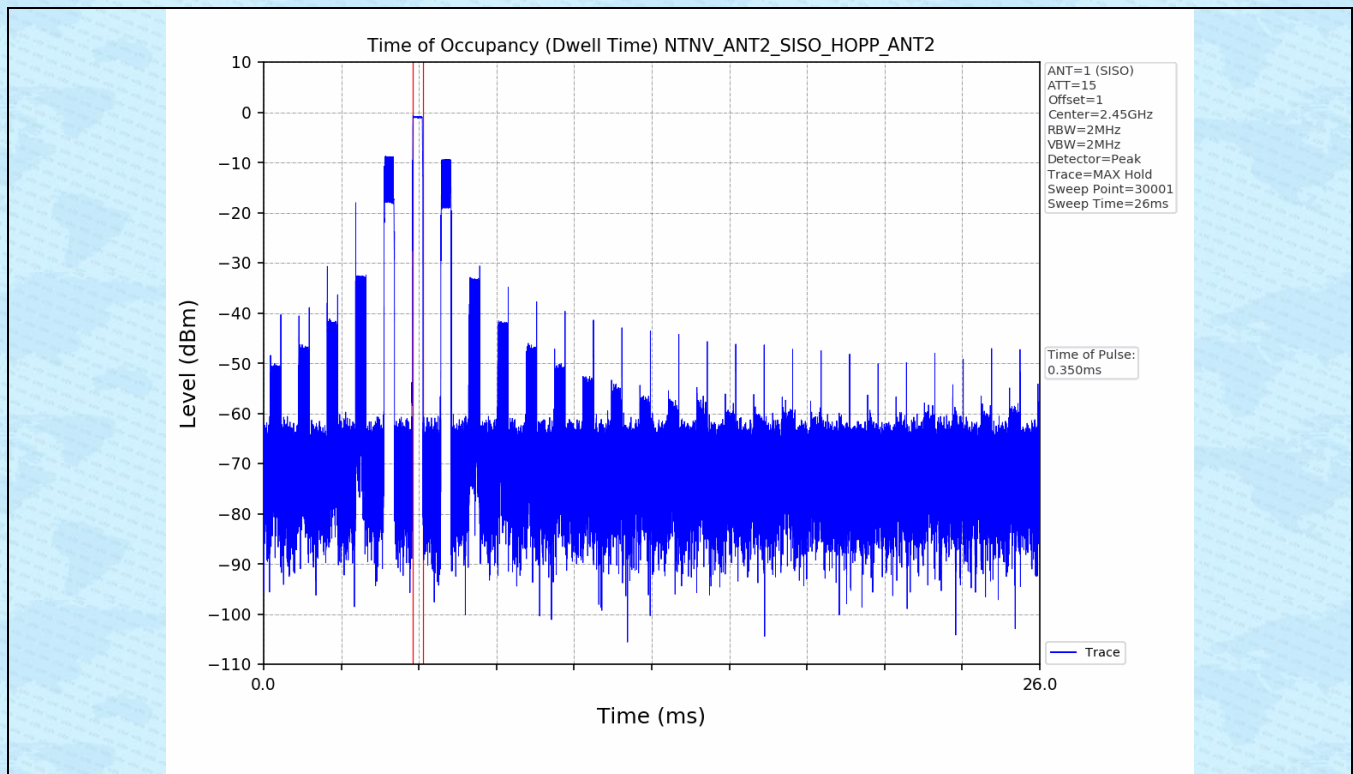
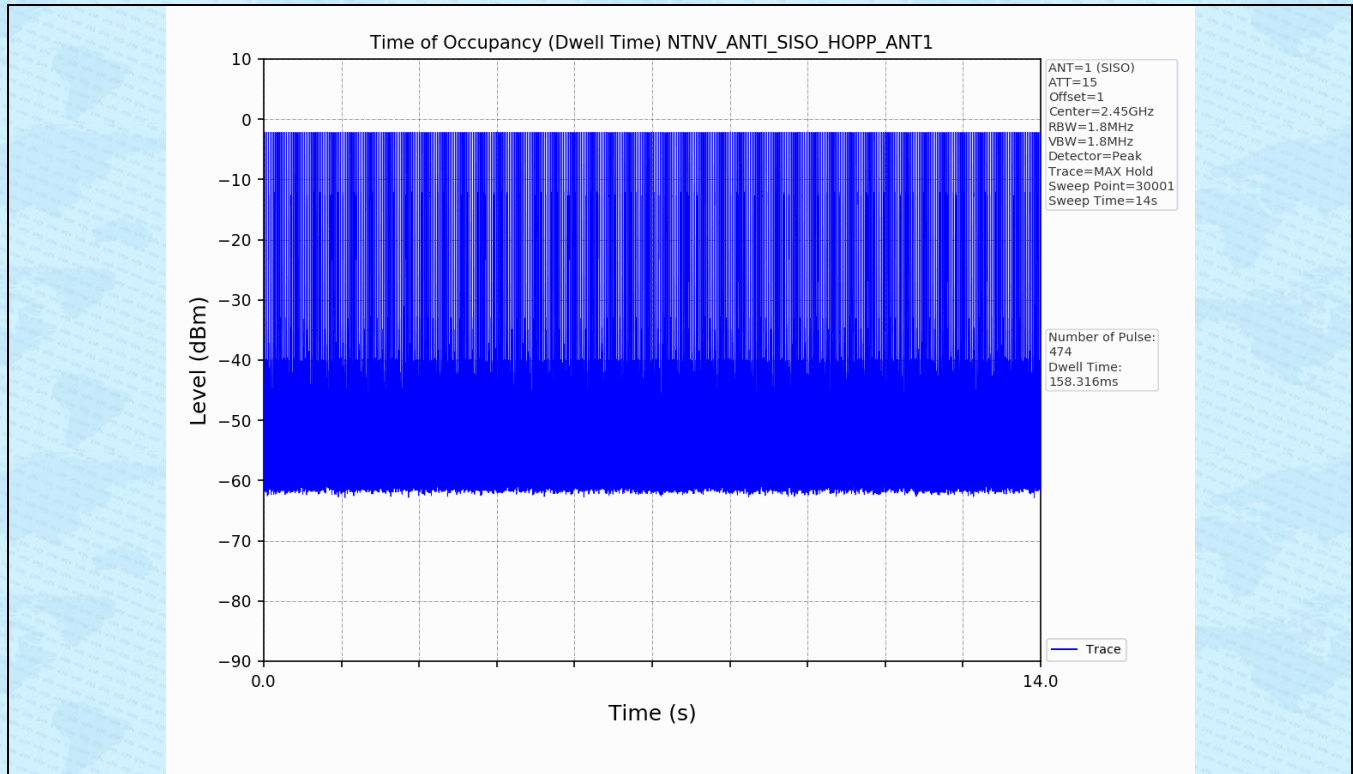
## 5. Time of Occupancy (Dwell Time)

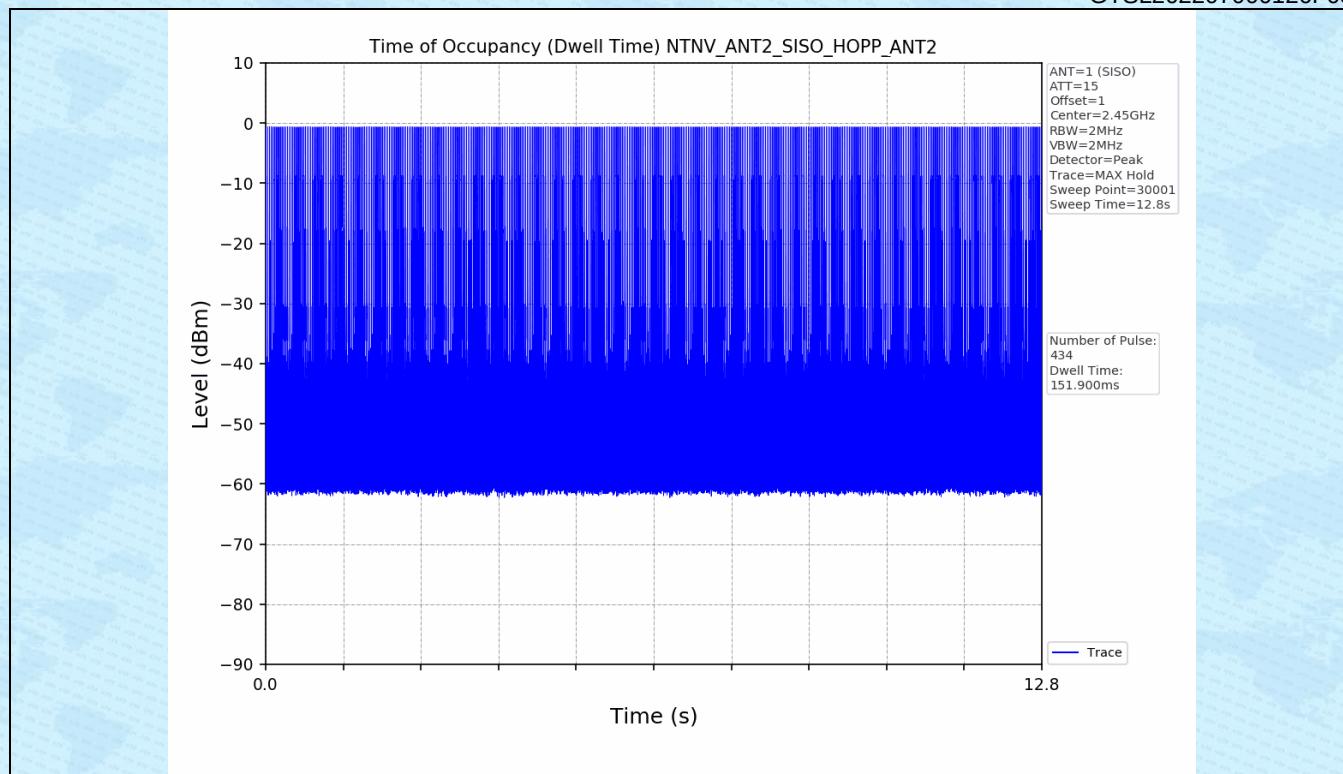
### 5.1 Test Result

| Test Mode | Packet Type | TX Type | Duration of Single Pulse (ms) | Obeservation Period (s) | Num of Pulse in Observation Period | Dwell Time (ms) | Limits (ms) | Verdict |
|-----------|-------------|---------|-------------------------------|-------------------------|------------------------------------|-----------------|-------------|---------|
| ANTI      | NoPT        | SISO    | 0.334                         | 14                      | 474                                | 158.316         | ≤400        | PASS    |
| ANT2      | NoPT        | SISO    | 0.350                         | 14                      | 434                                | 151.900         | ≤400        | PASS    |

### 5.2 Test Graph







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

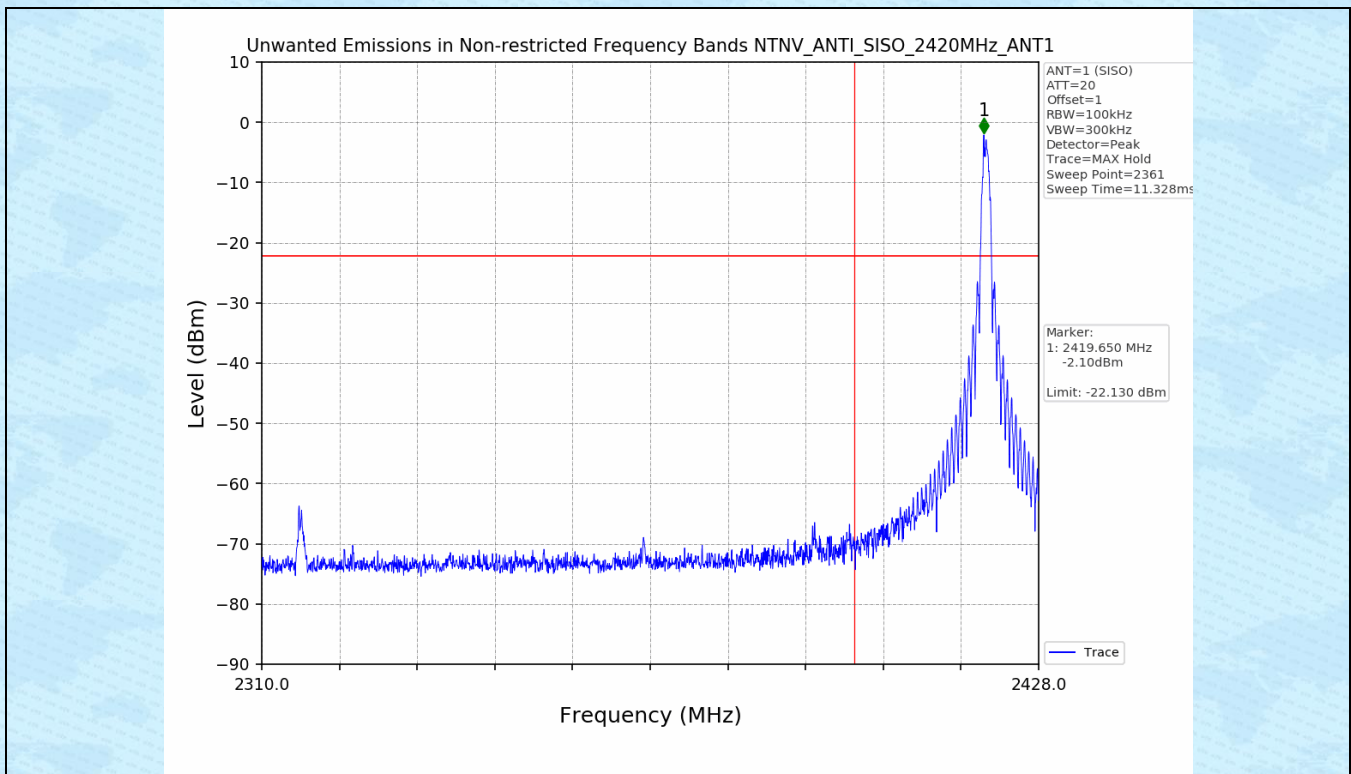
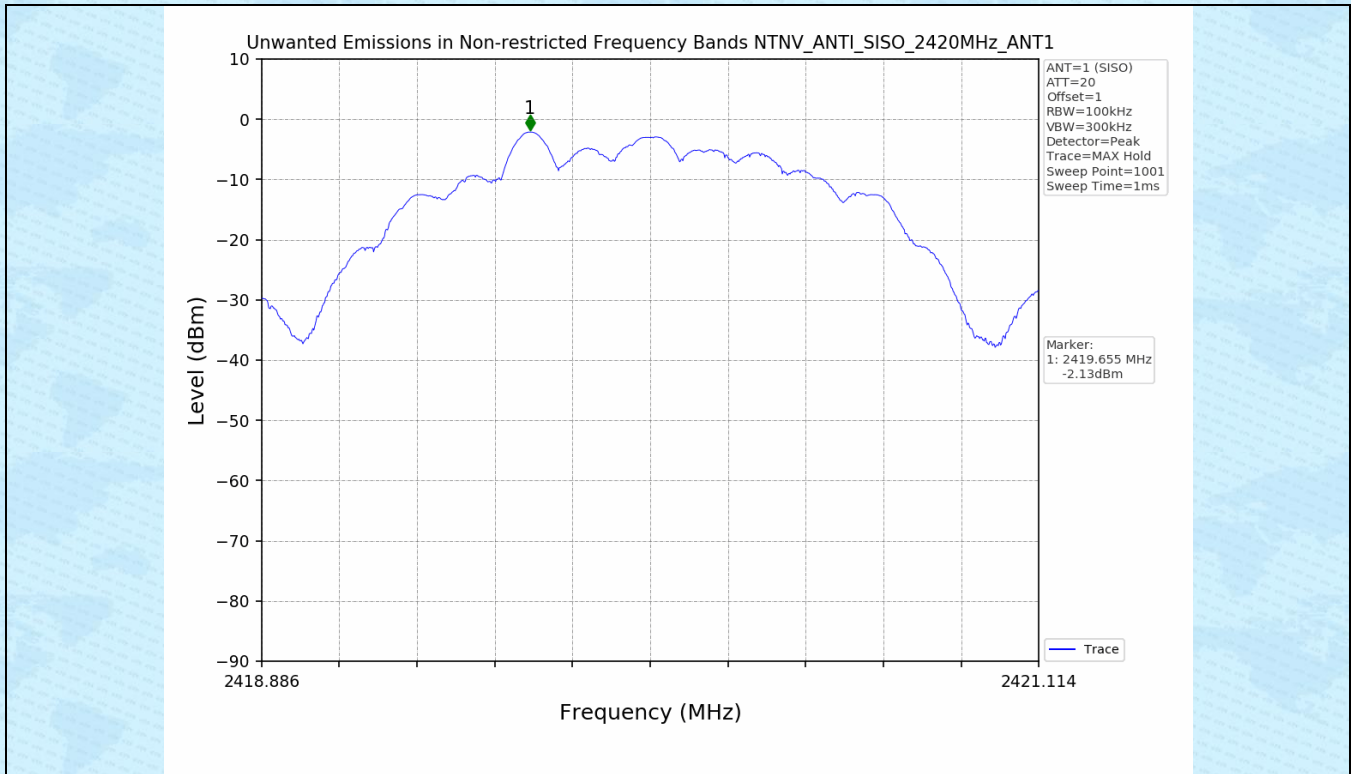
### 6.1 Test Result

| Test Mode | Frequency (MHz) | TX Type | Spurious Conducted Emission (dBm) | Limits (dBm) | Verdict |
|-----------|-----------------|---------|-----------------------------------|--------------|---------|
| ANTI      | 2420            | SISO    | Refer to test graph               | -22.13       | PASS    |
|           | 2450            | SISO    | Refer to test graph               | -22.13       | PASS    |
|           | 2480            | SISO    | Refer to test graph               | -22.13       | PASS    |
|           | Hopping         | SISO    | Refer to test graph               | -22.13       | PASS    |

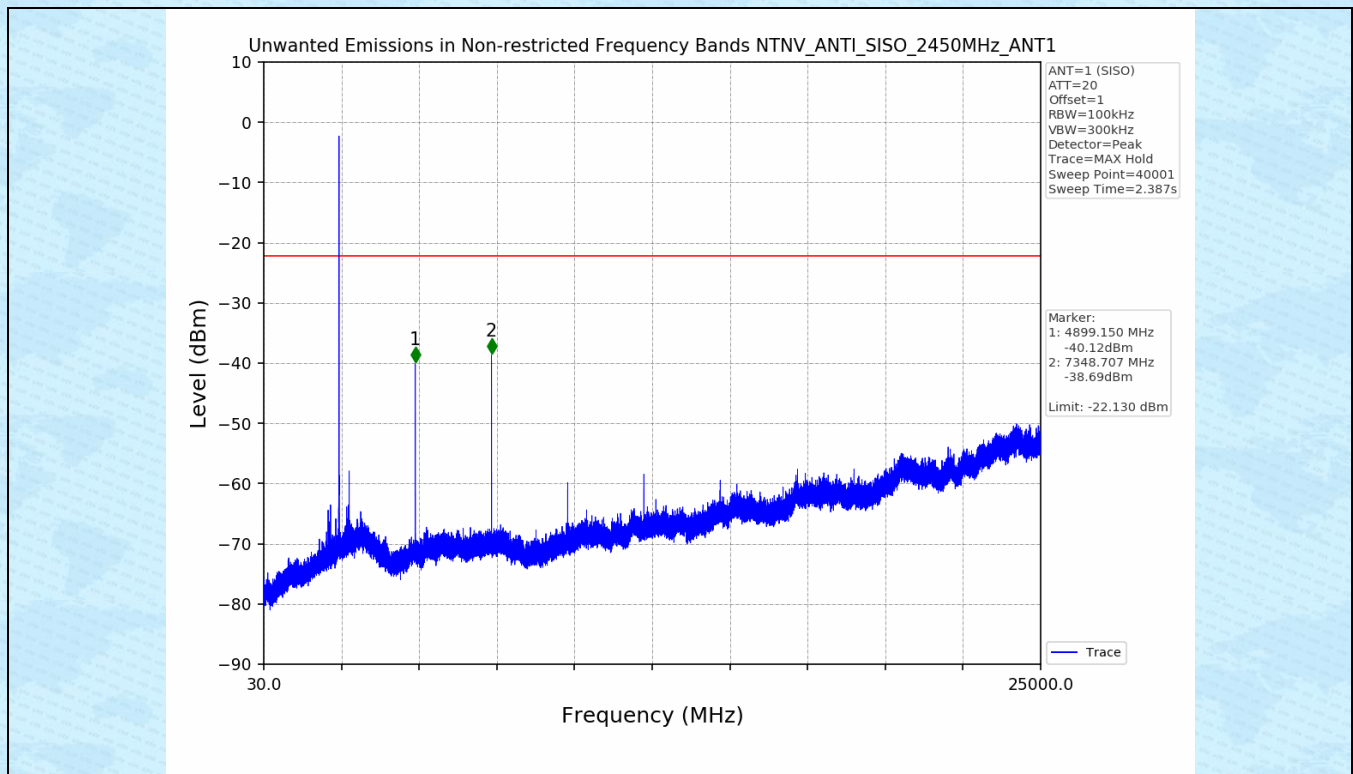
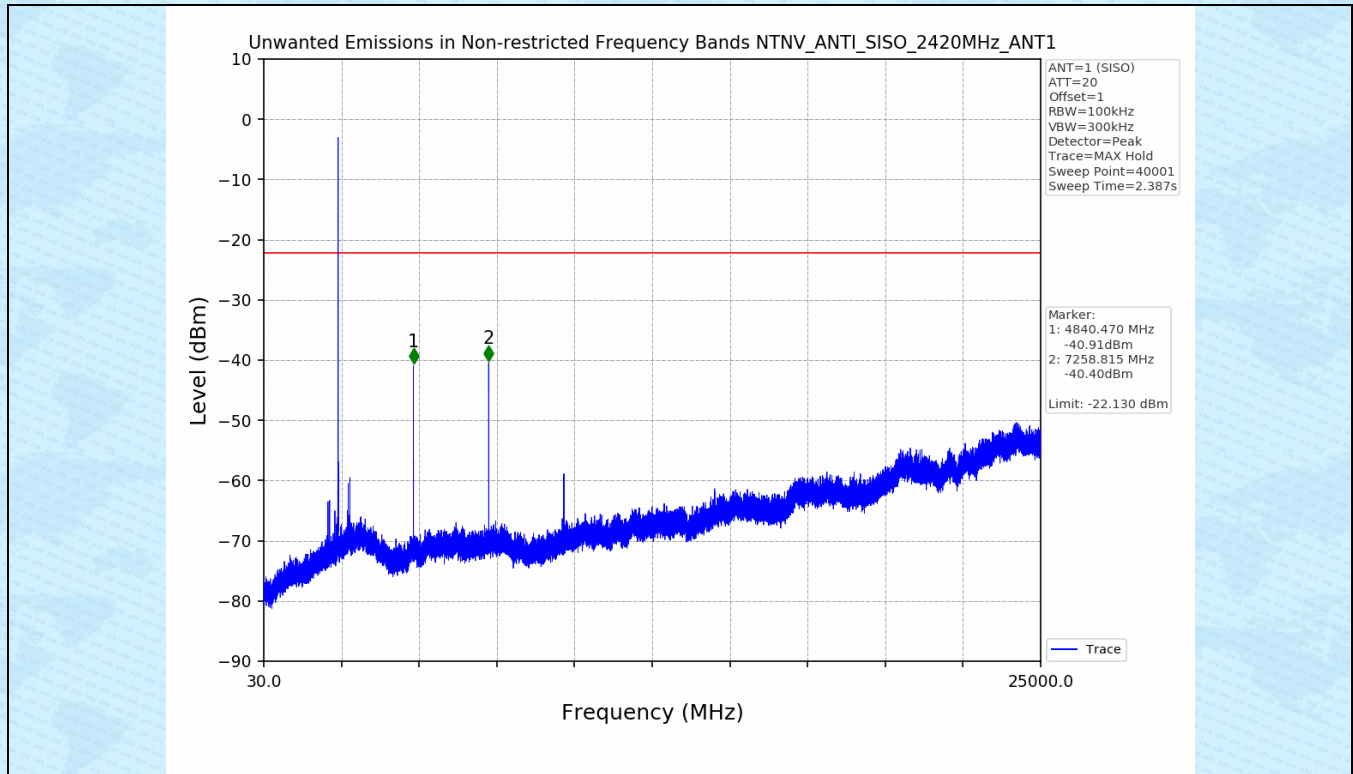
| Test Mode | Frequency (MHz) | TX Type | Spurious Conducted Emission (dBm) | Limits (dBm) | Verdict |
|-----------|-----------------|---------|-----------------------------------|--------------|---------|
| ANT2      | 2420            | SISO    | Refer to test graph               | -20.76       | PASS    |
|           | 2450            | SISO    | Refer to test graph               | -20.76       | PASS    |
|           | 2480            | SISO    | Refer to test graph               | -20.76       | PASS    |
|           | Hopping         | SISO    | Refer to test graph               | -20.76       | PASS    |

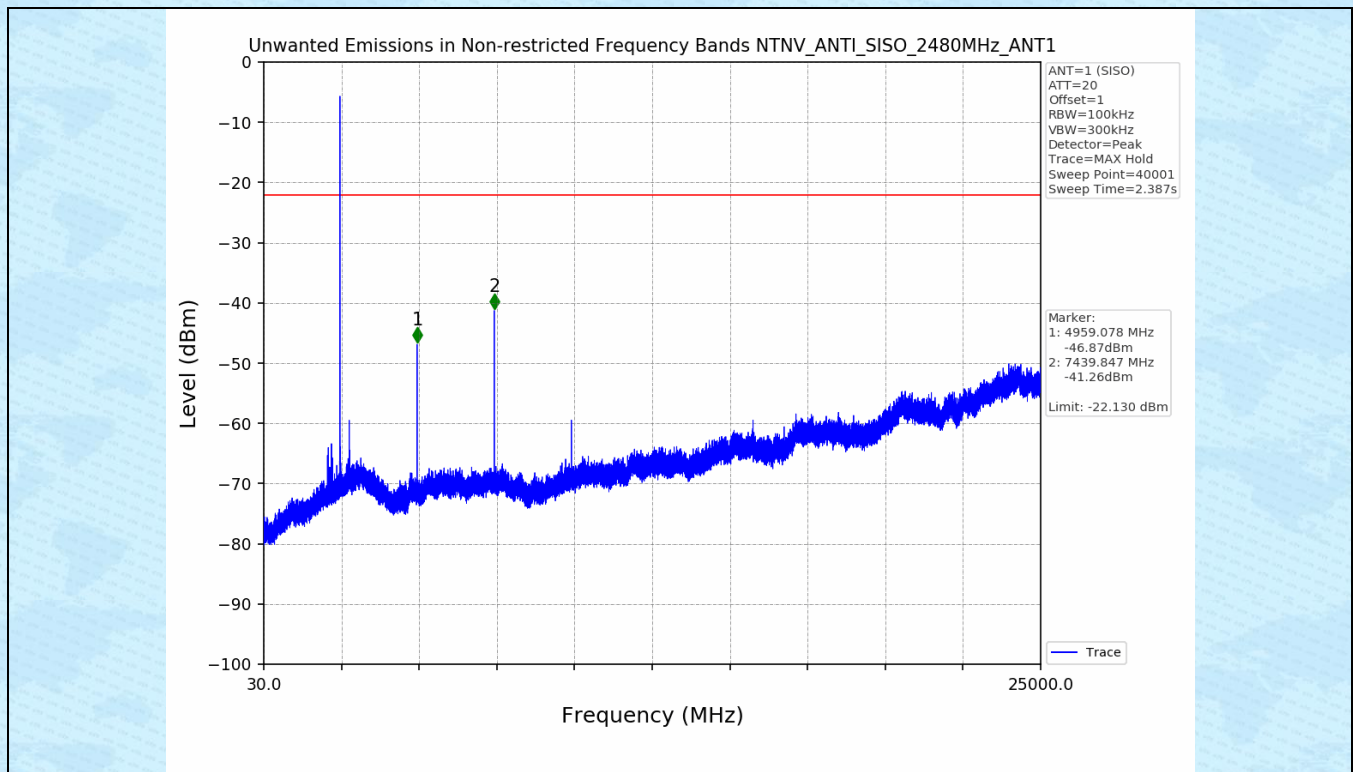
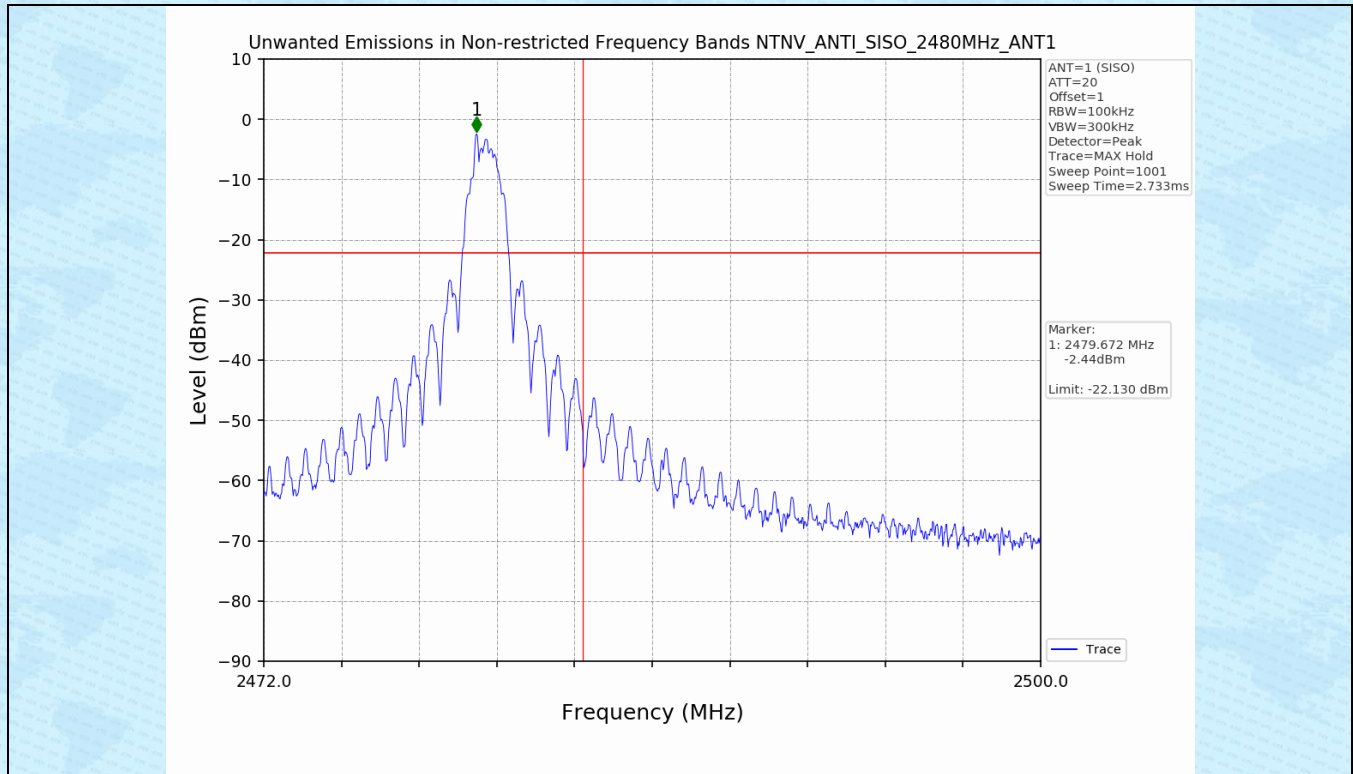
### 6.2 Test Graph

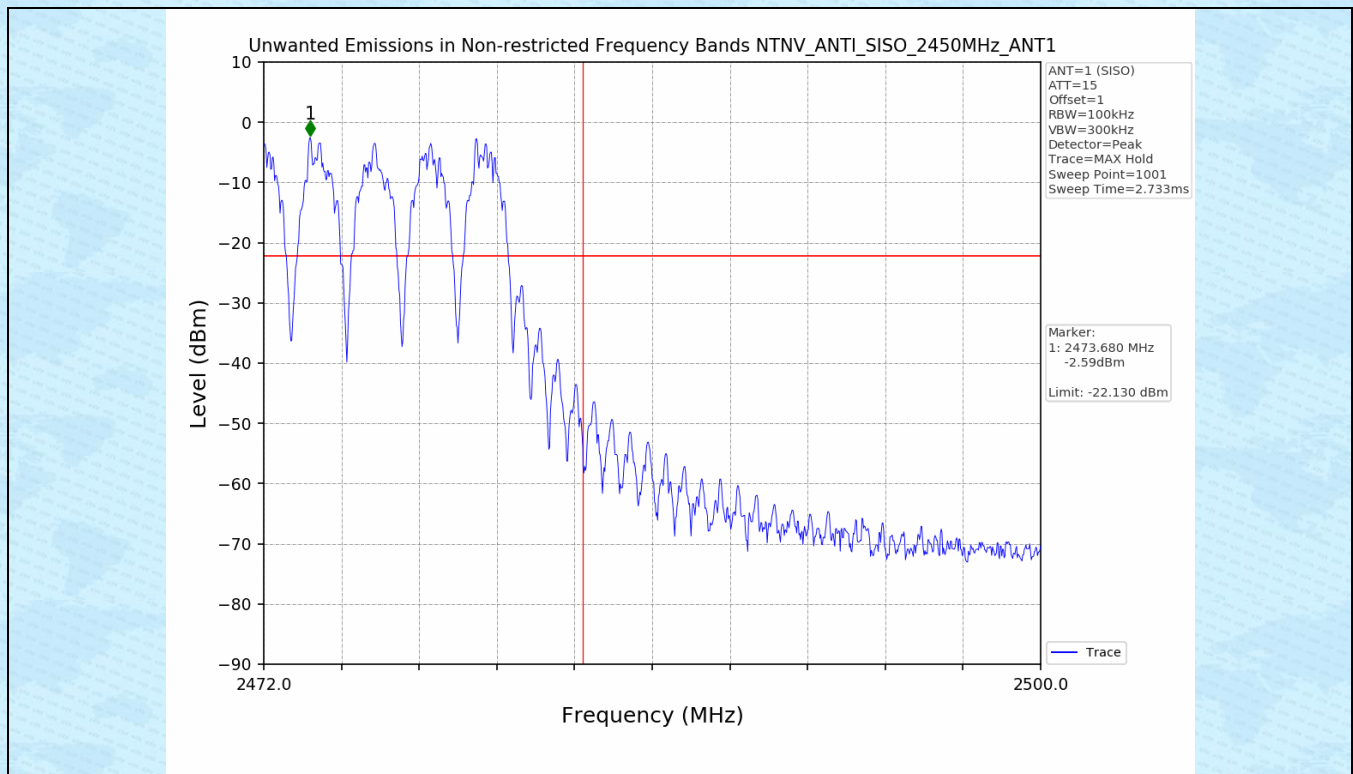
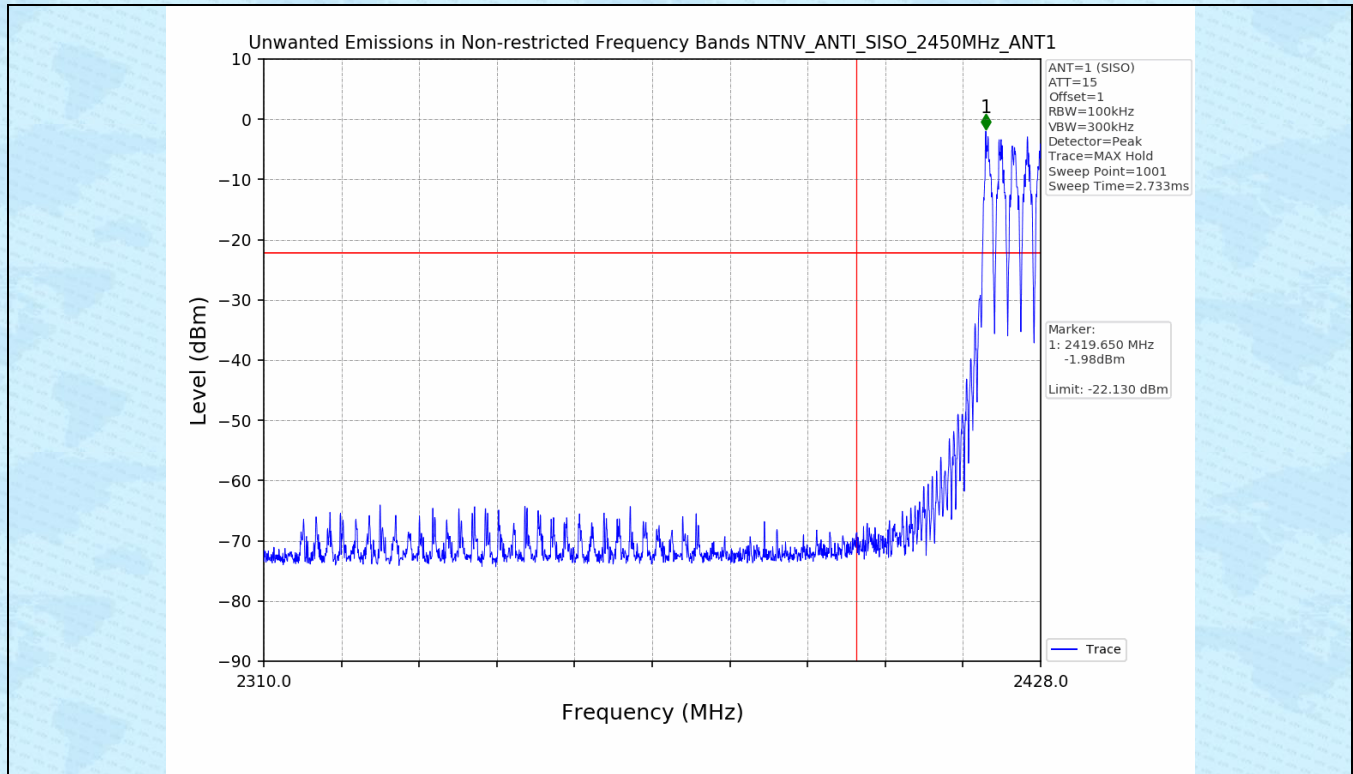




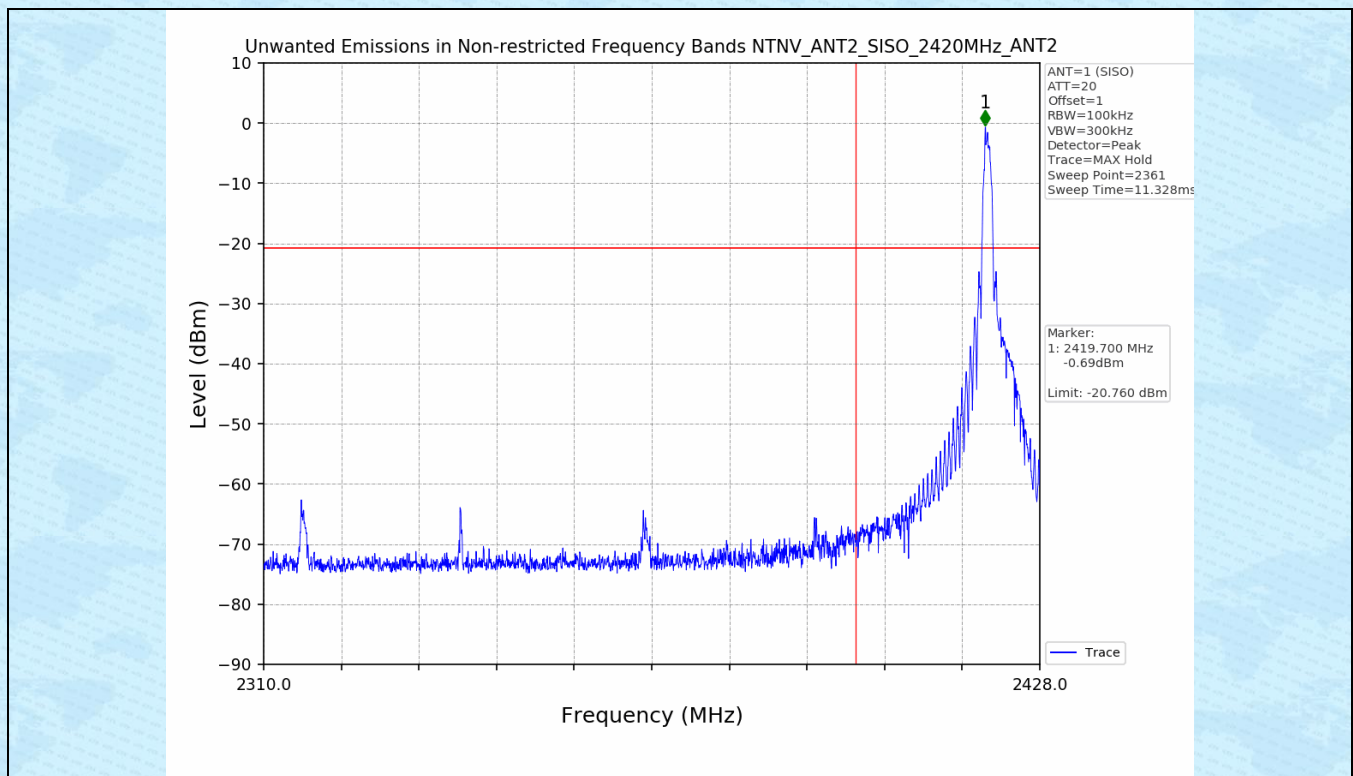
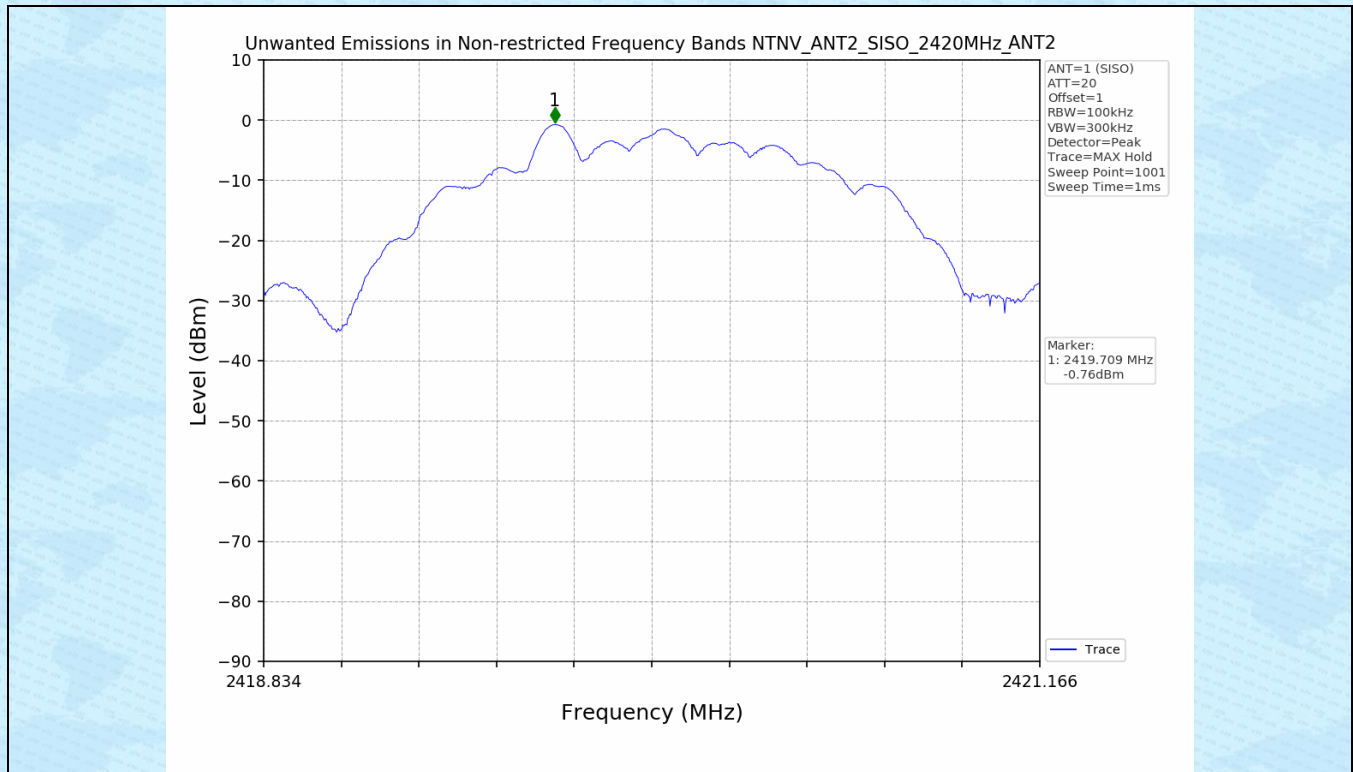


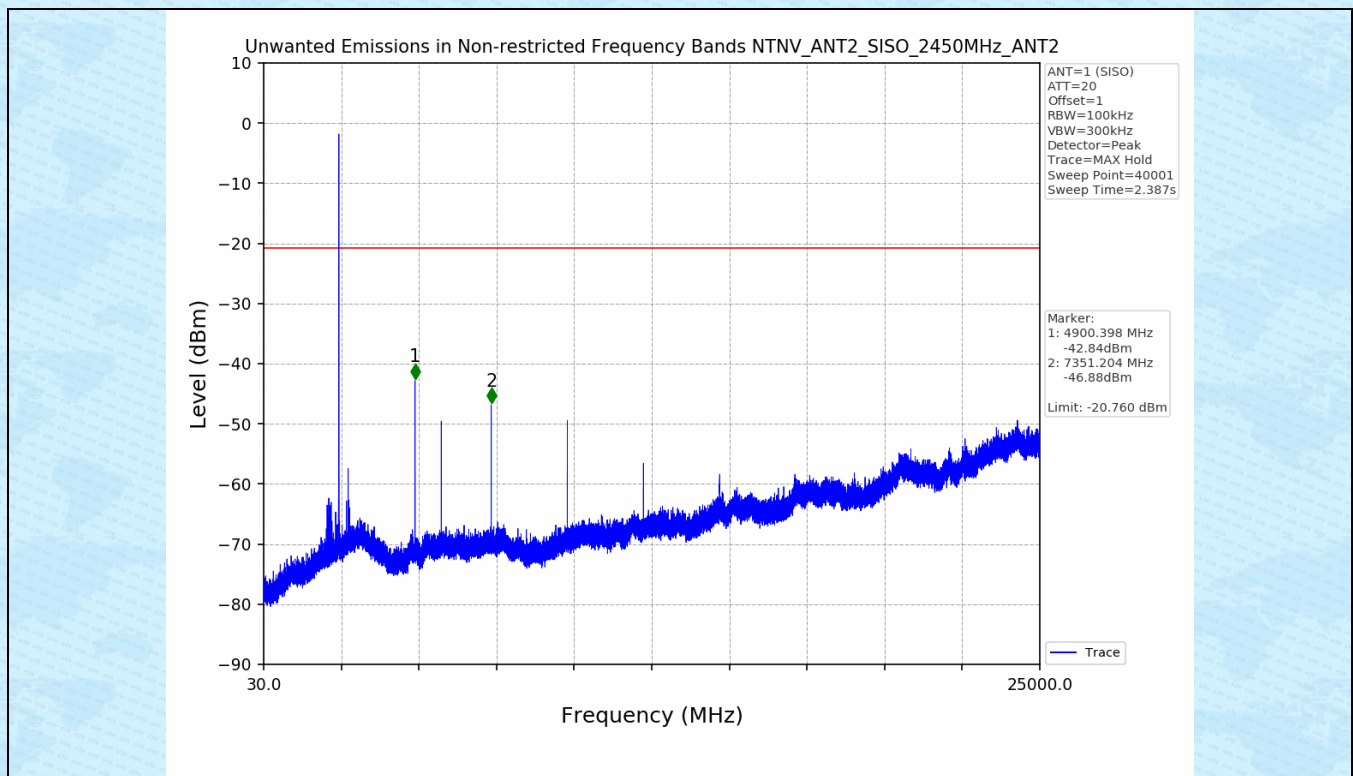
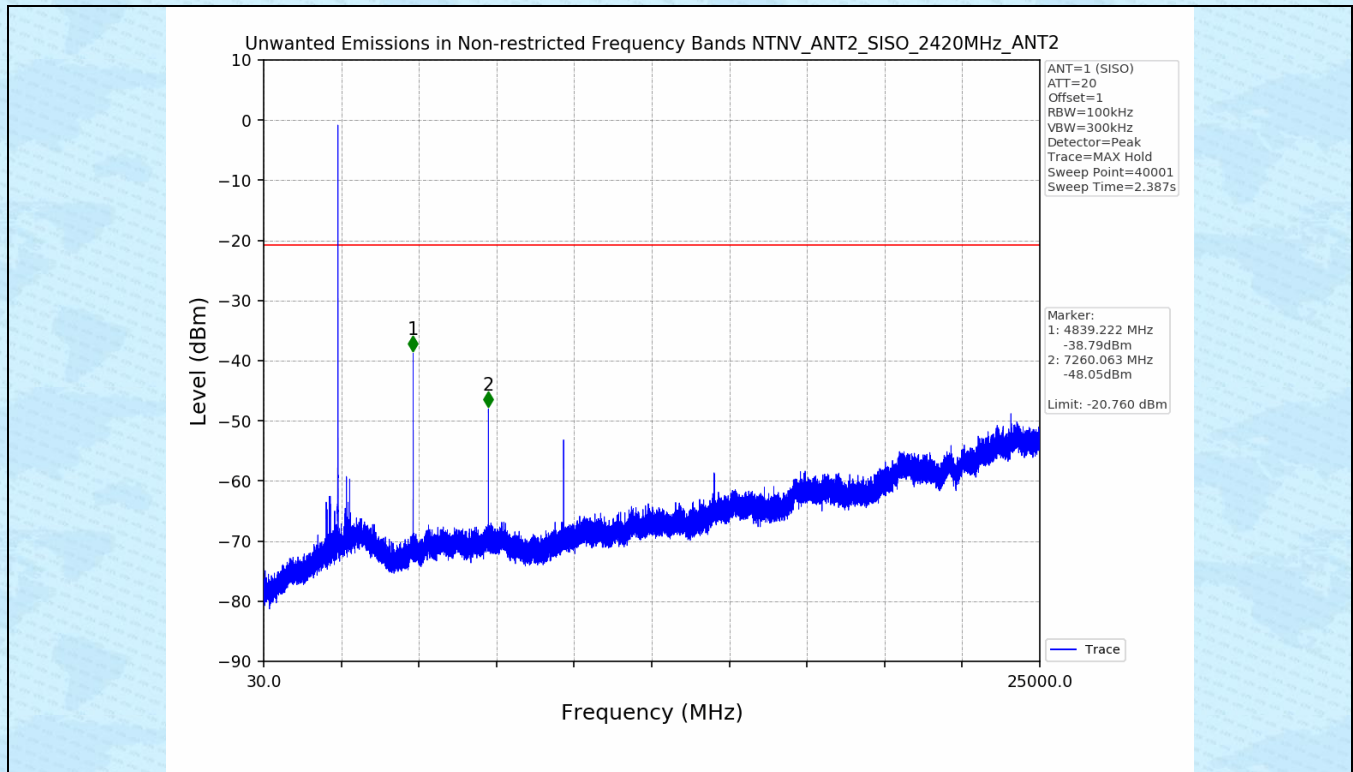


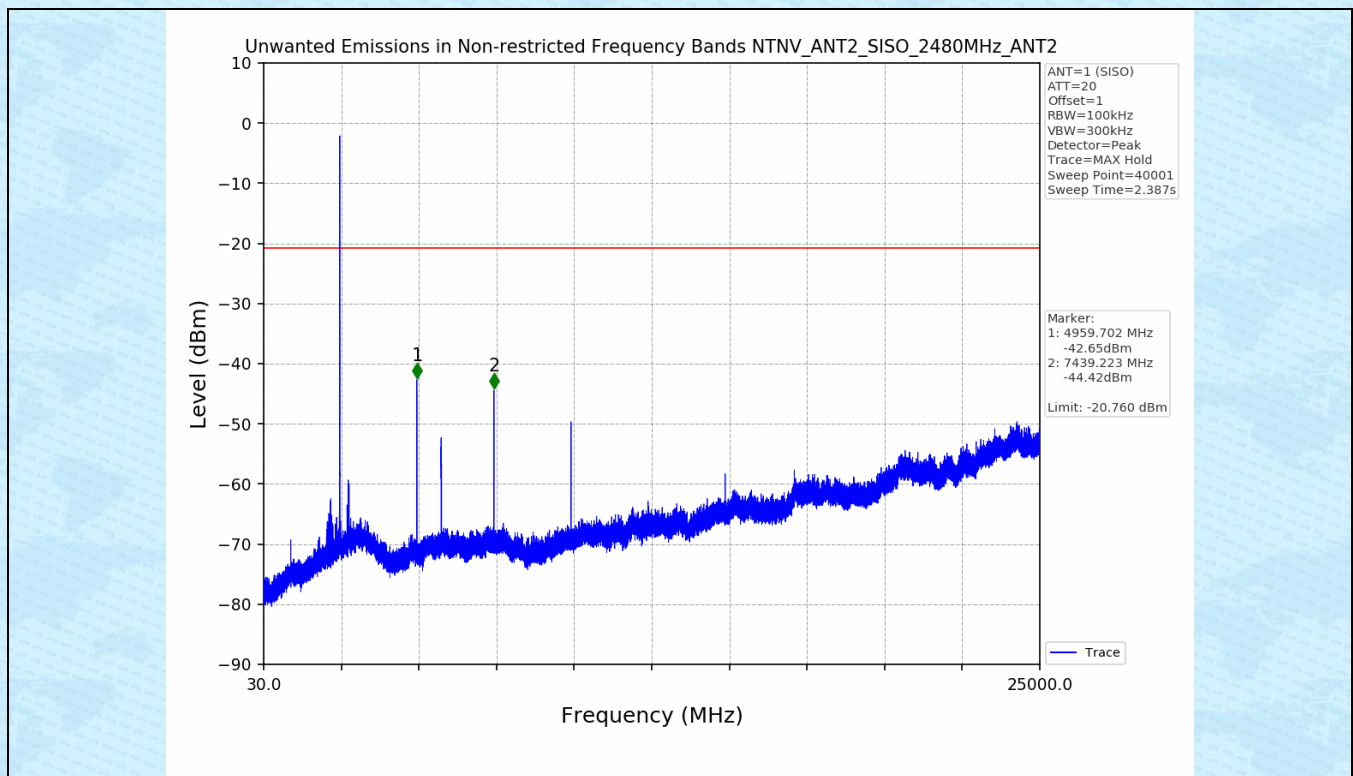
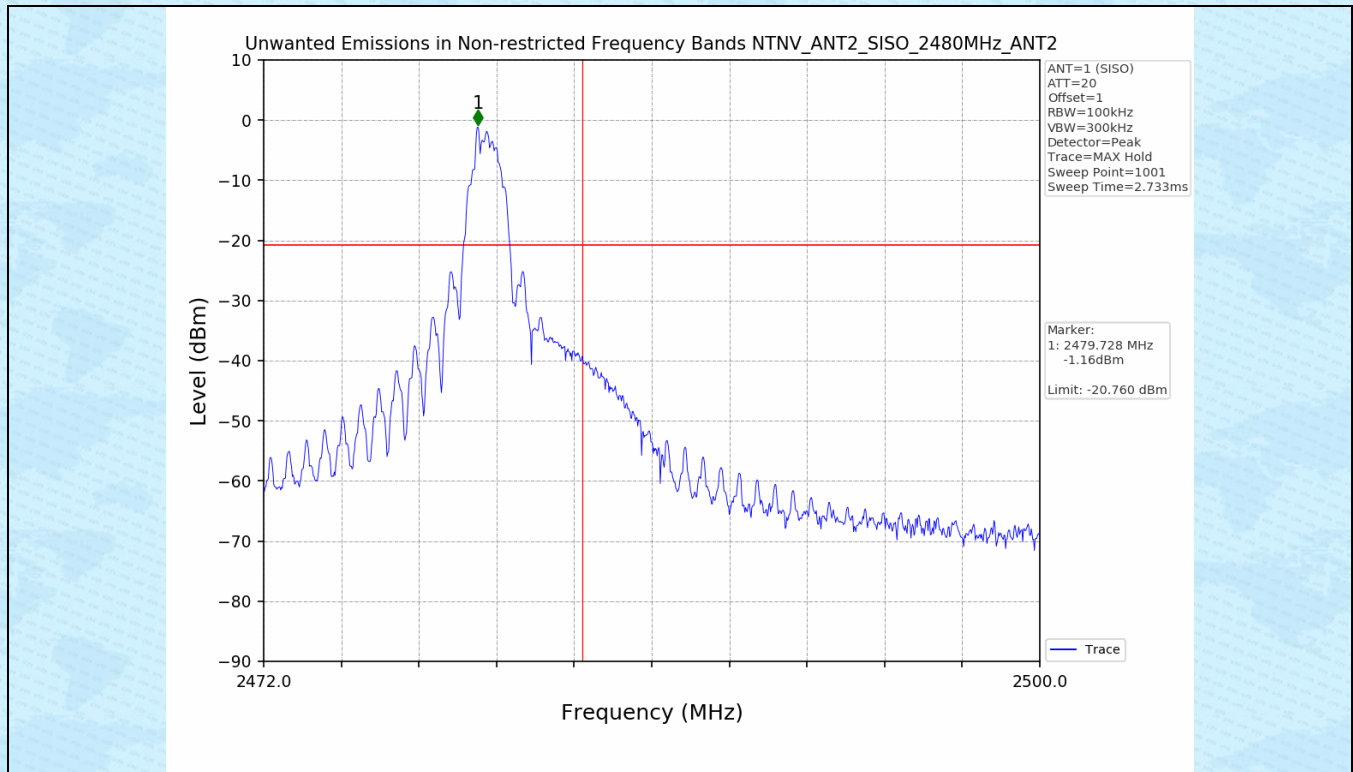




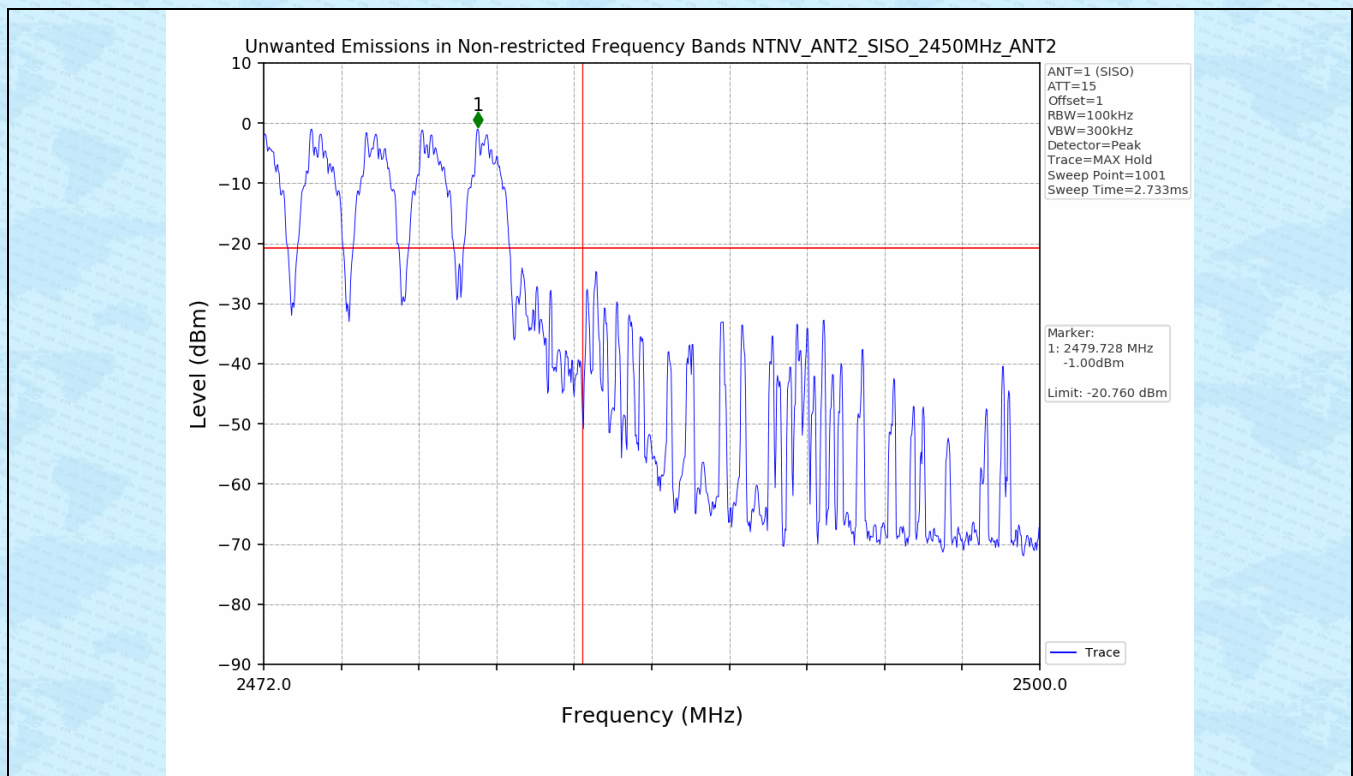
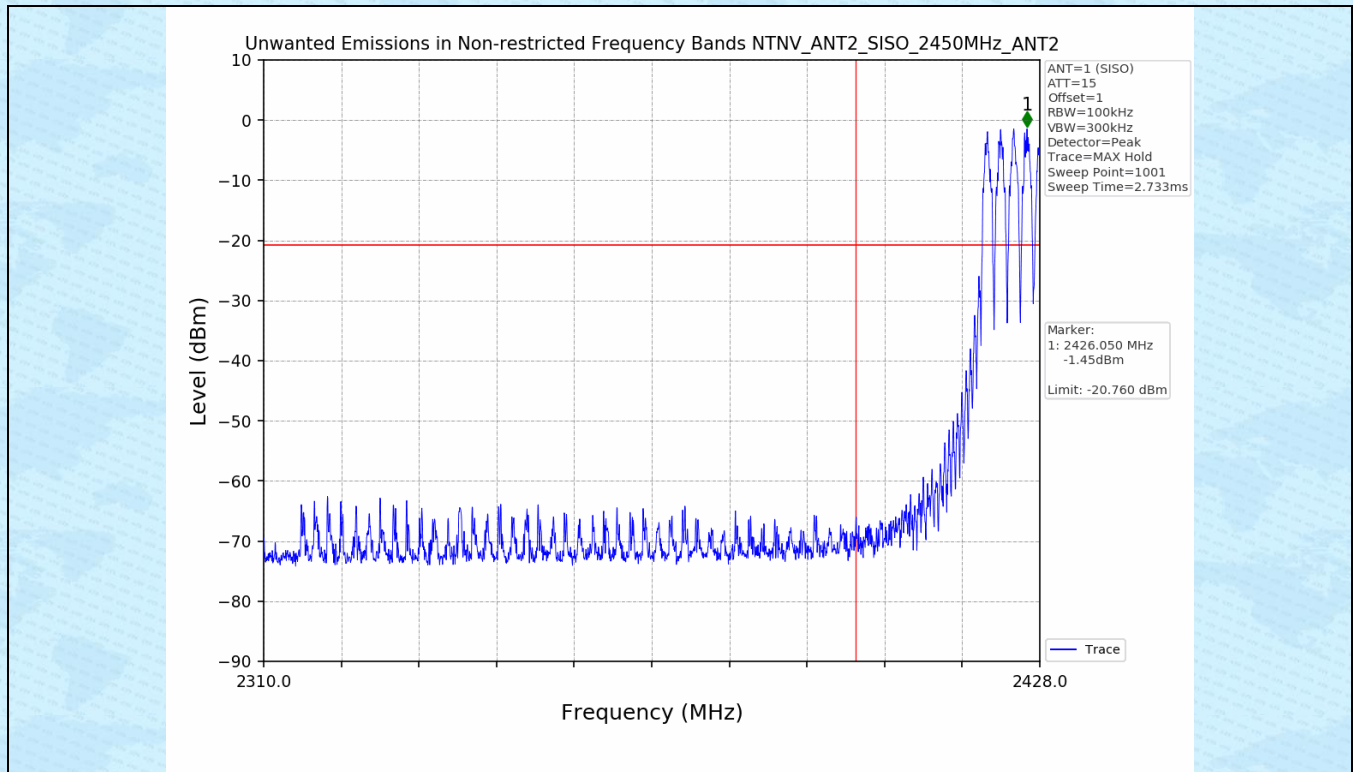












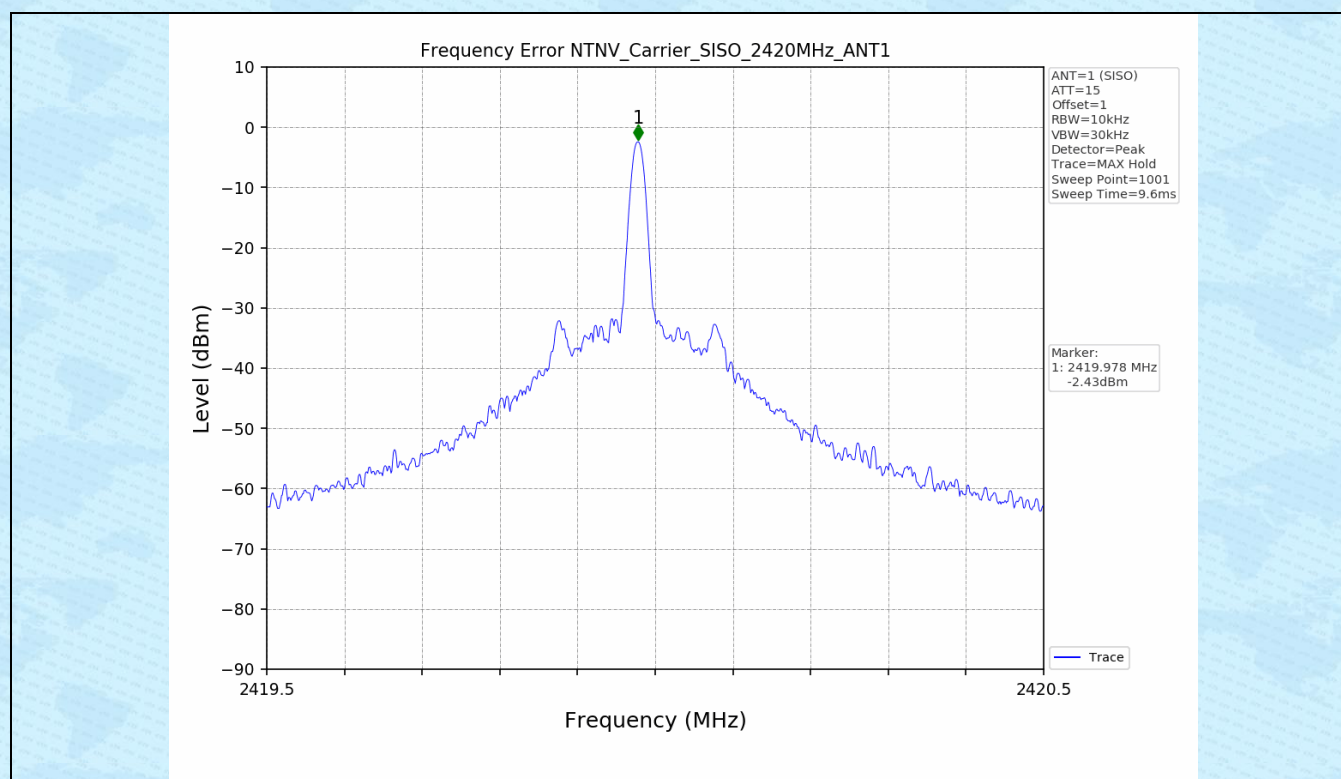
## 7. Frequency Error

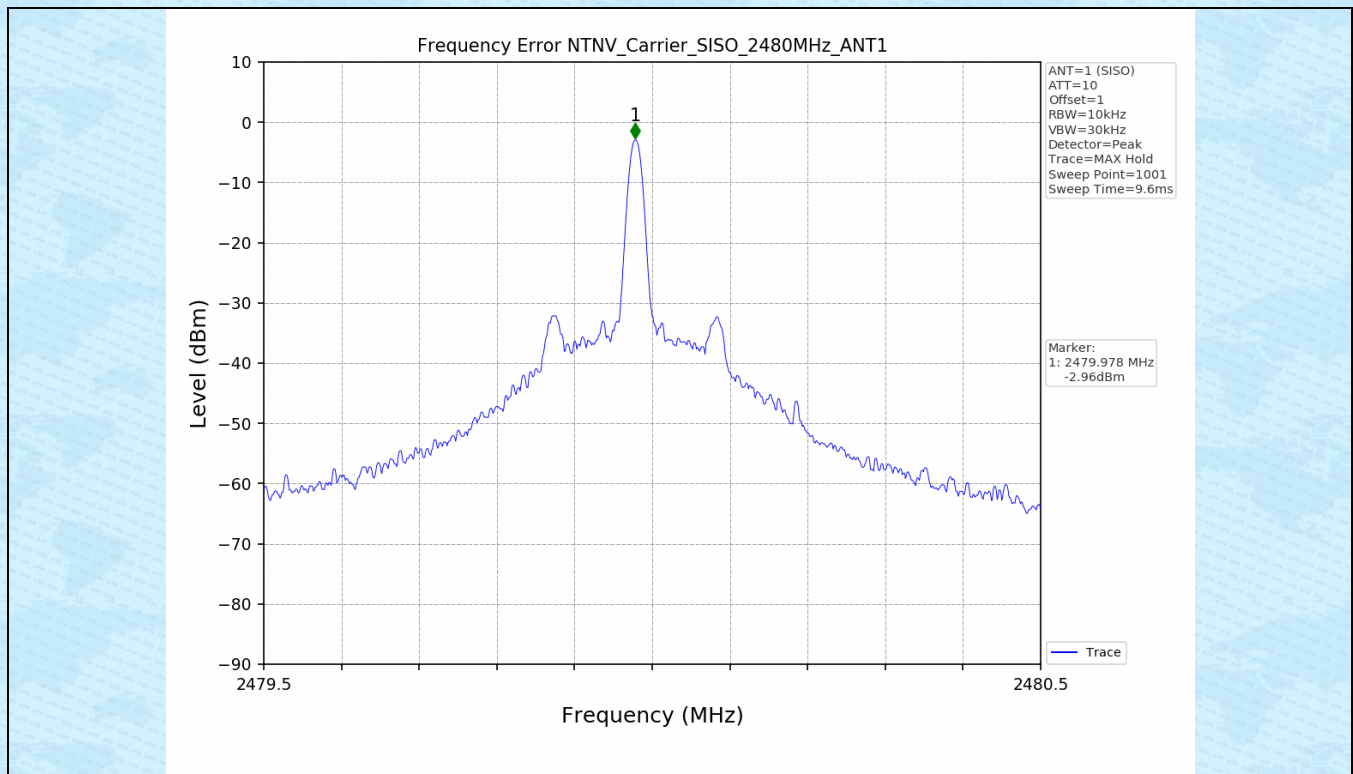
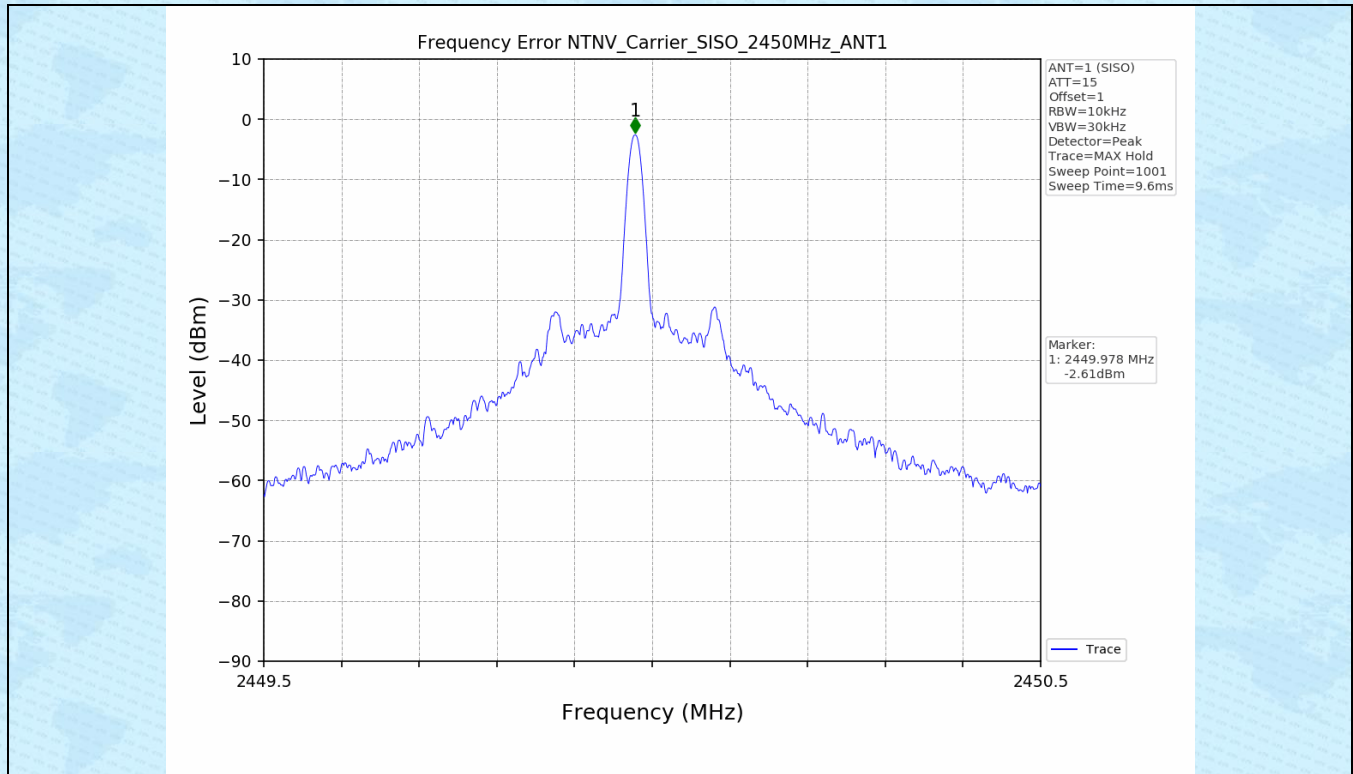
### 7.1 Test Result

| Test Mode | Frequency (MHz) | TX Type | ANT | Measured Frequency (MHz) |             | Verdict |
|-----------|-----------------|---------|-----|--------------------------|-------------|---------|
|           |                 |         |     | Test Result              | Limit       |         |
| Carrier   | 2420            | SISO    | 1   | 2419.98                  | 2400-2483.5 | PASS    |
|           | 2450            | SISO    | 1   | 2449.98                  | 2400-2483.5 | PASS    |
|           | 2480            | SISO    | 1   | 2479.98                  | 2400-2483.5 | PASS    |

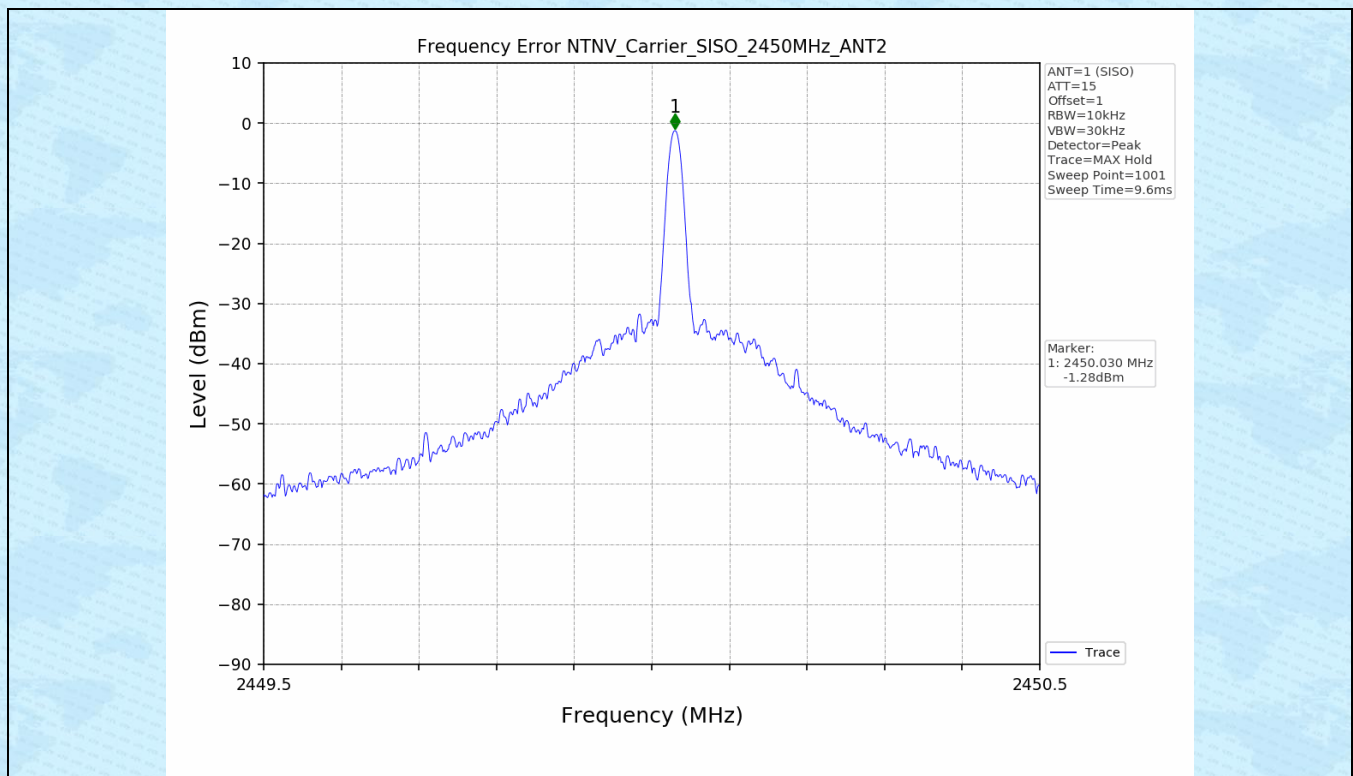
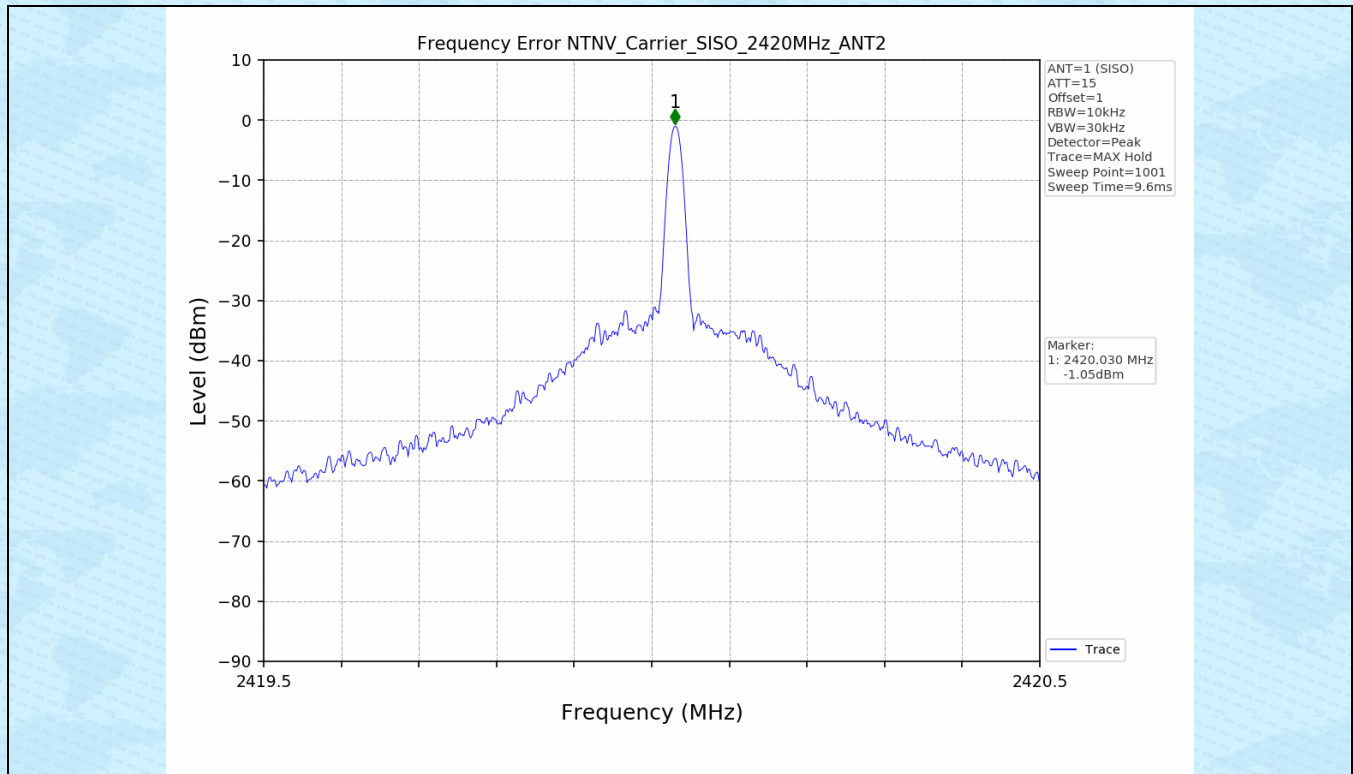
| Test Mode | Frequency (MHz) | TX Type | ANT | Measured Frequency (MHz) |             | Verdict |
|-----------|-----------------|---------|-----|--------------------------|-------------|---------|
|           |                 |         |     | Test Result              | Limit       |         |
| Carrier   | 2420            | SISO    | 2   | 2420.03                  | 2400-2483.5 | PASS    |
|           | 2450            | SISO    | 2   | 2450.03                  | 2400-2483.5 | PASS    |
|           | 2480            | SISO    | 2   | 2480.03                  | 2400-2483.5 | PASS    |

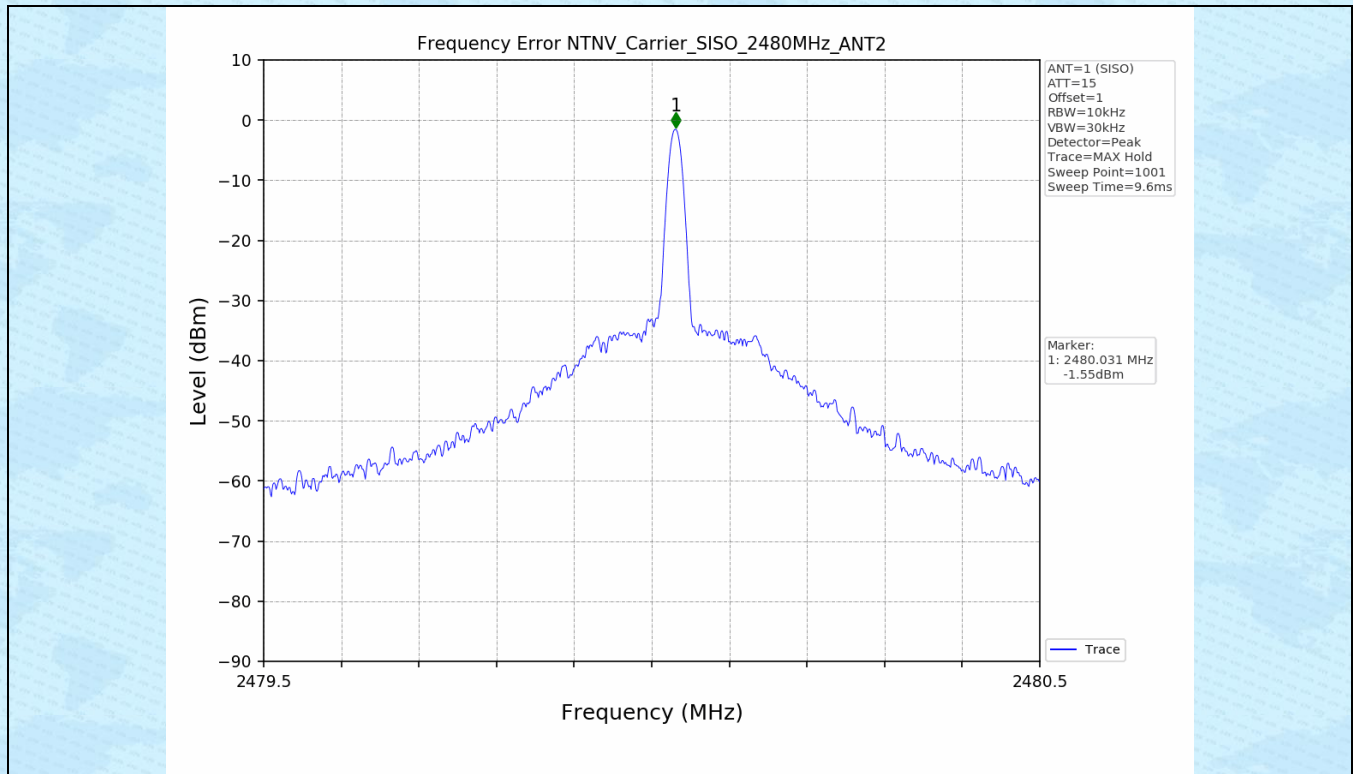
### 7.2 Test Graph











-----End-----