

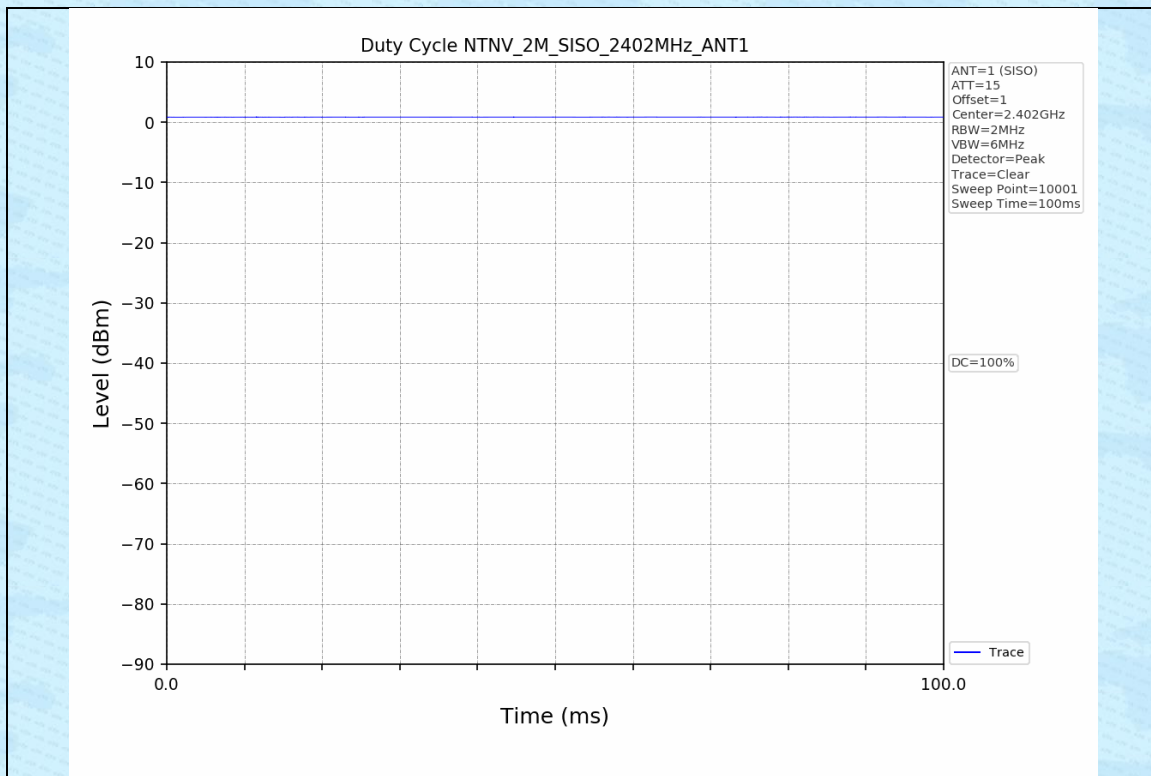
Appendix for 15.247

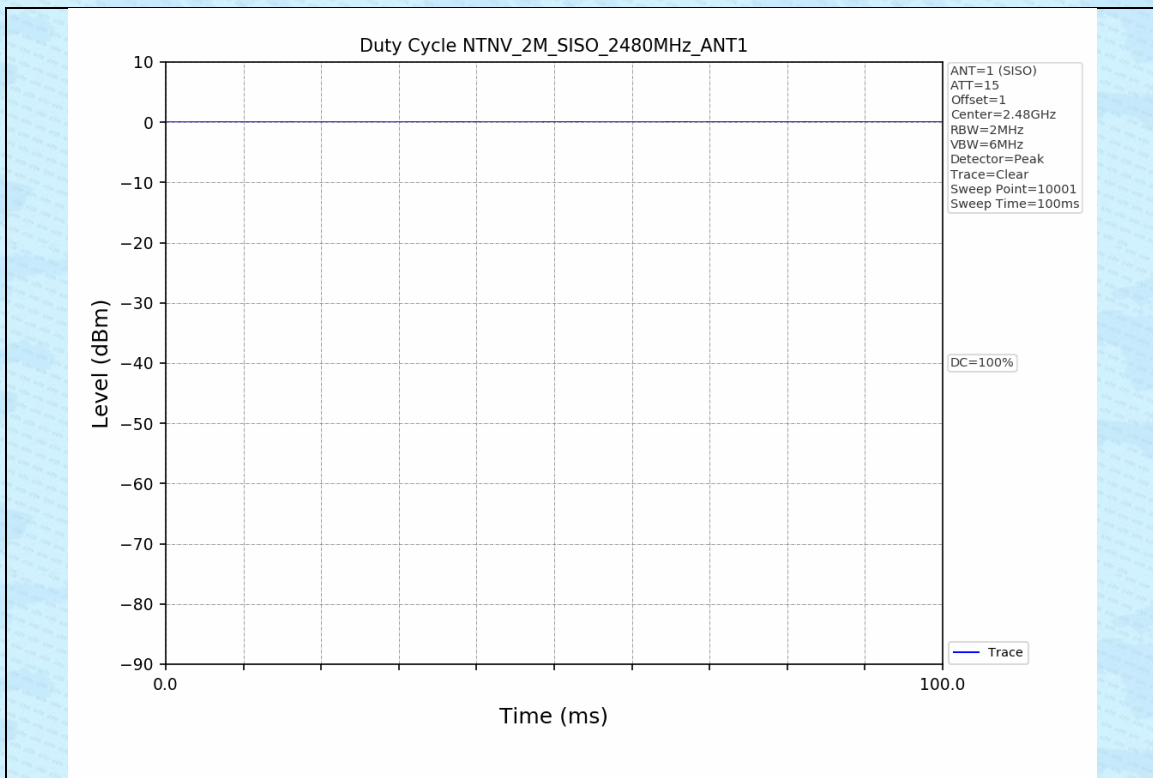
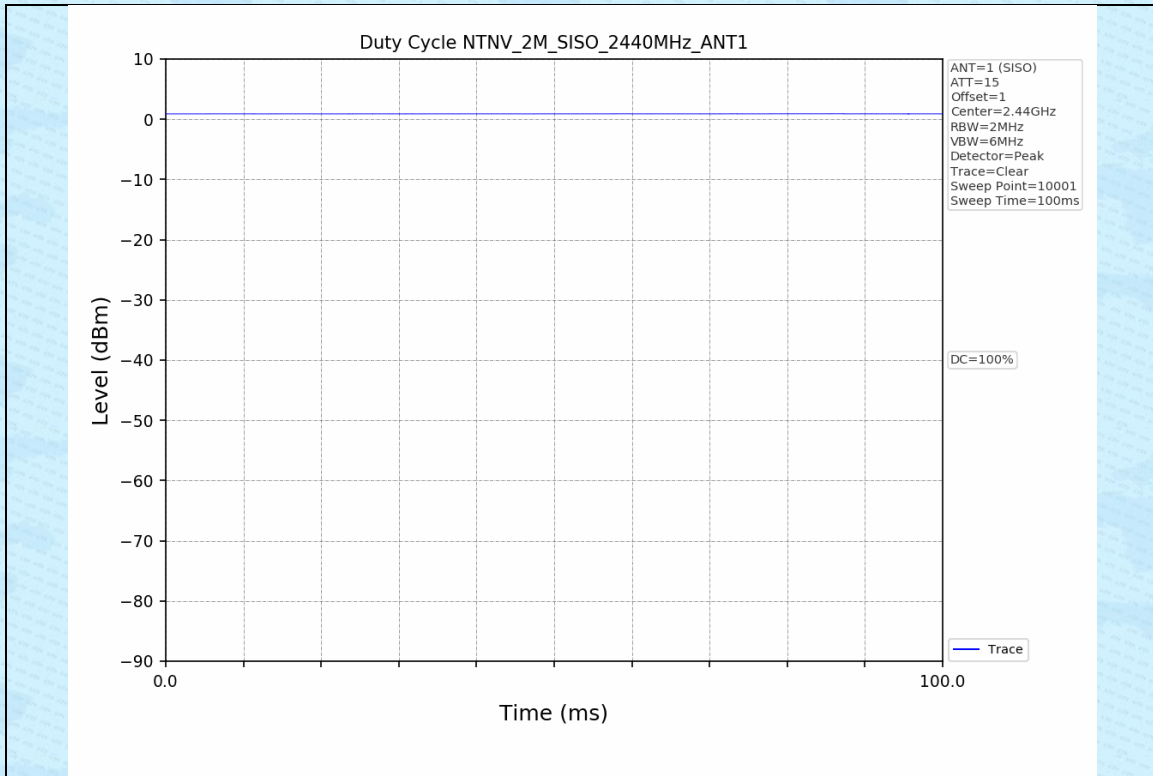
1. Duty Cycle

1.1 Test Result

| Test Mode | Channel Frequency(MHz) | TX Type | ANT No. | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) |
|-----------|------------------------|---------|---------|-----------|-------------|----------------|-----------------------------------|
| GFSK | 2402 | SISO | 1 | 100.000 | 100.000 | 100.00 | 0.00 |
| | 2440 | SISO | 1 | 100.000 | 100.000 | 100.00 | 0.00 |
| | 2480 | SISO | 1 | 100.000 | 100.000 | 100.00 | 0.00 |

1.2 Test Graph





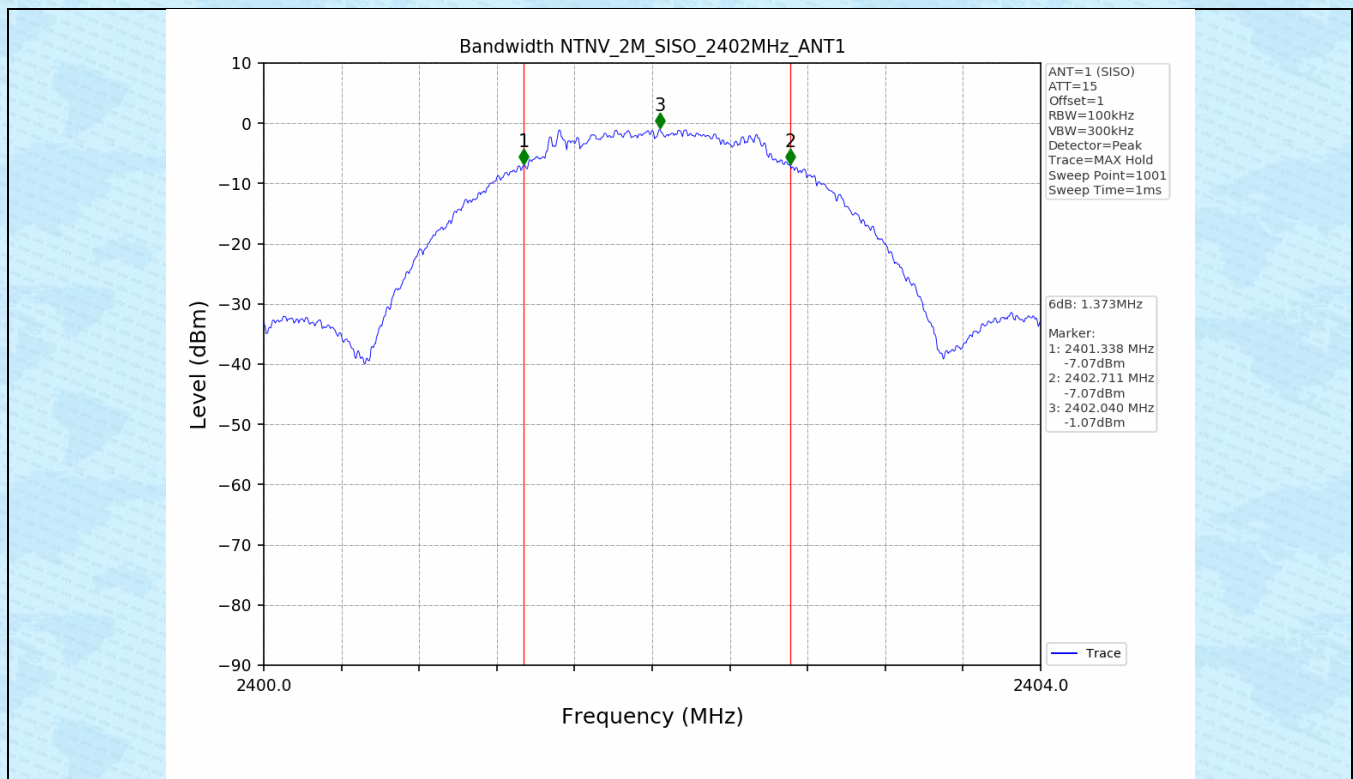
2. Bandwidth

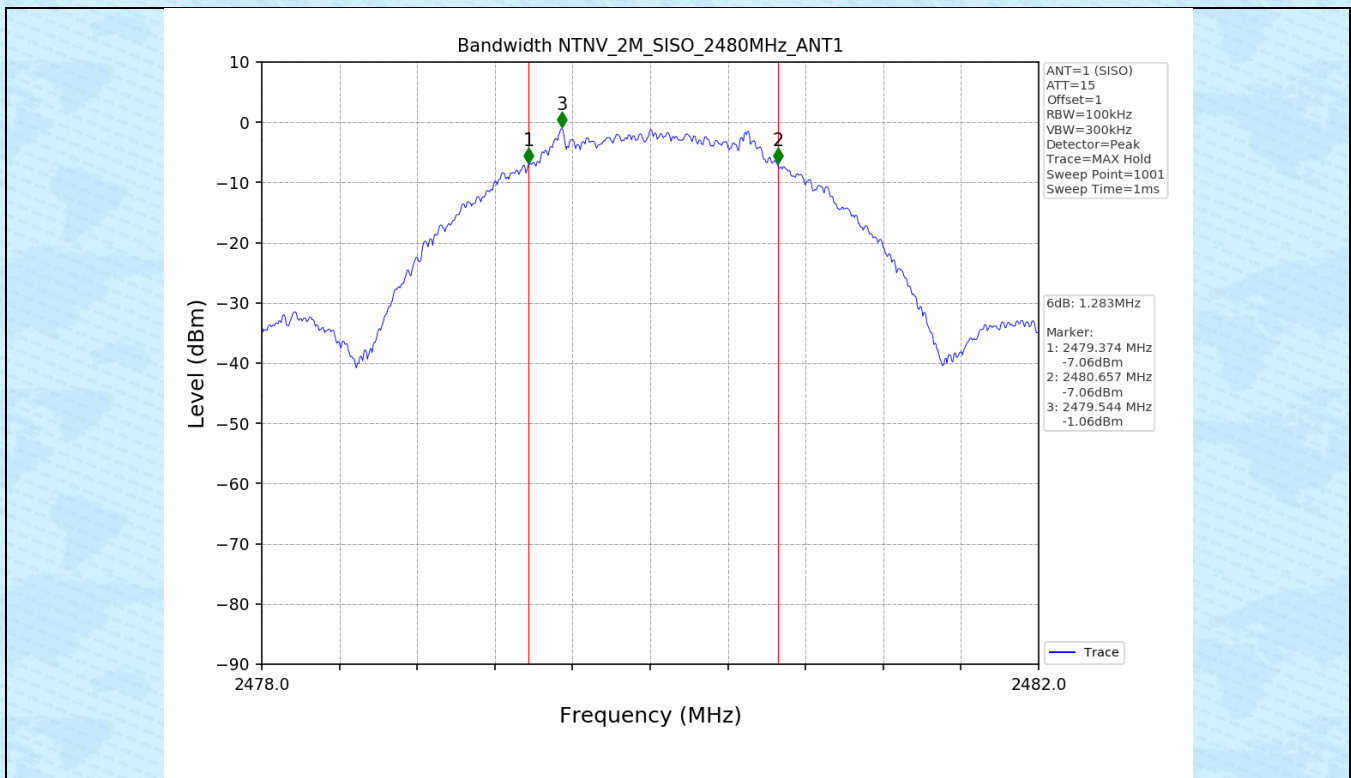
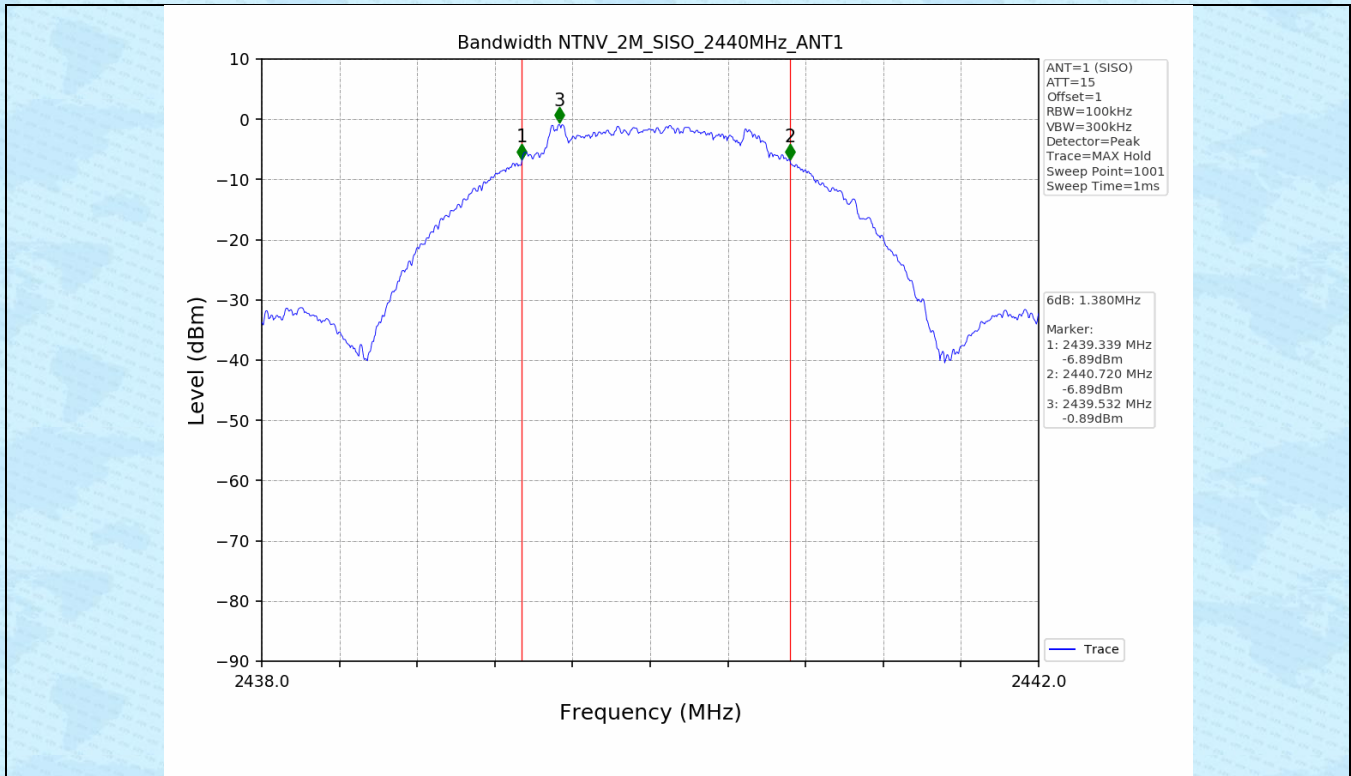
2.1 Test Result

| Test Mode | Frequency (MHz) | TX Type | ANT No. | 6dB Bandwidth | | Verdict |
|-----------|-----------------|---------|---------|-------------------|--------------|---------|
| | | | | Test Result (MHz) | Limits (MHz) | |
| GFSK | 2402 | SISO | 1 | 1.373 | ≥0.5 | PASS |
| | 2440 | SISO | 1 | 1.380 | ≥0.5 | PASS |
| | 2480 | SISO | 1 | 1.283 | ≥0.5 | PASS |

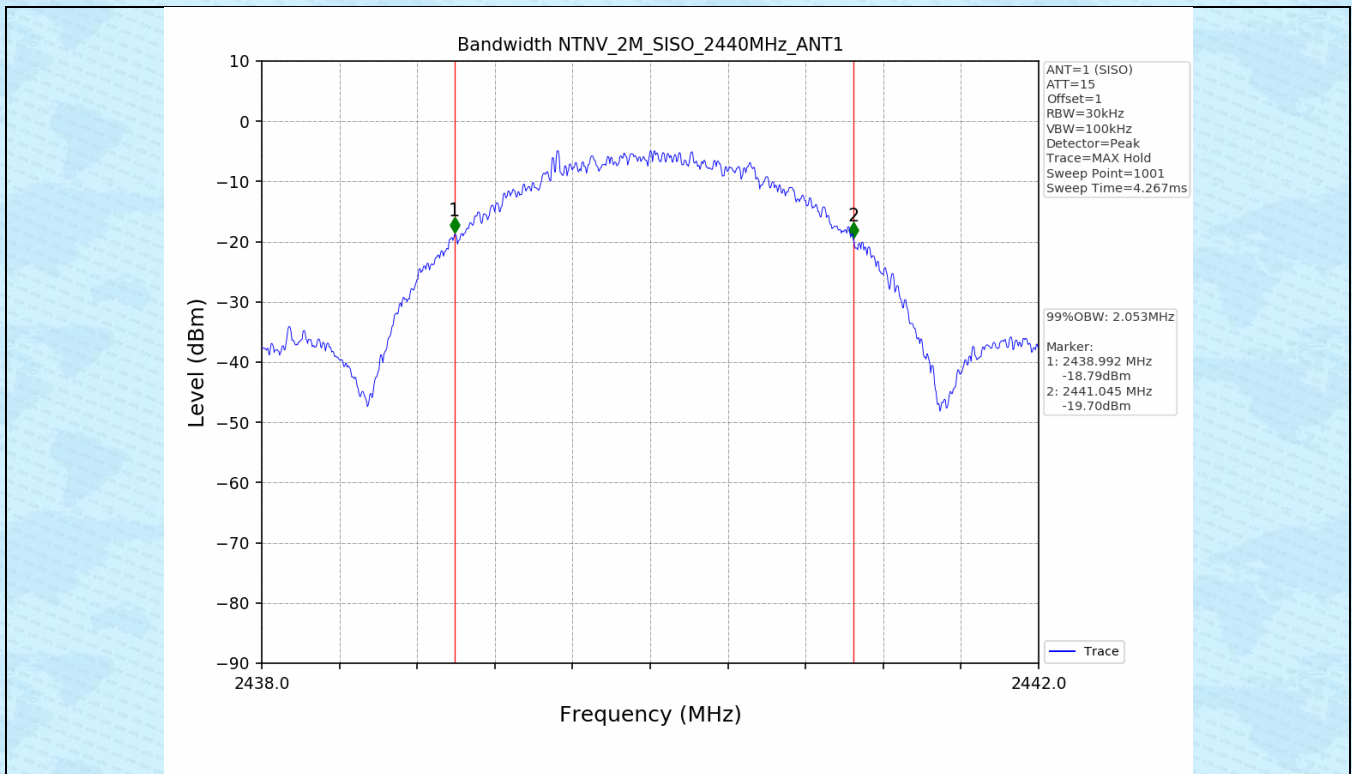
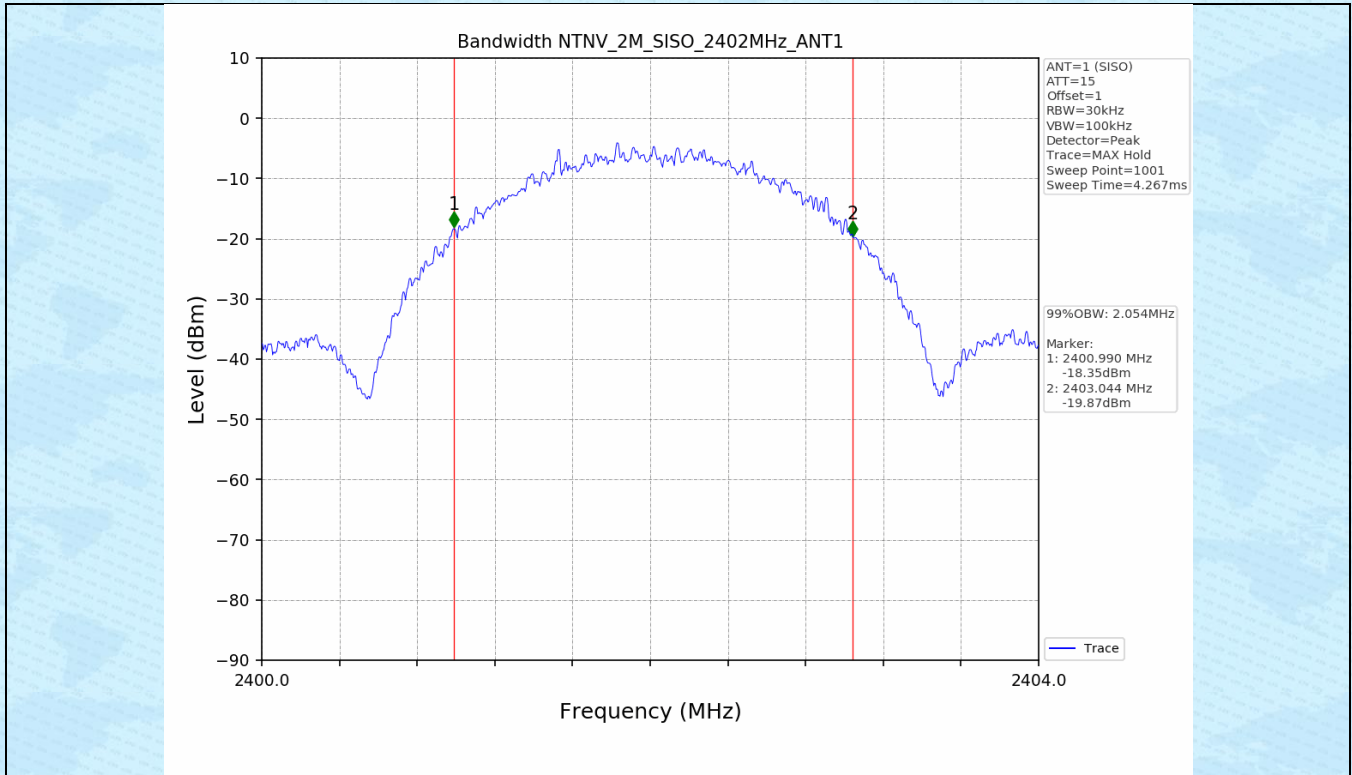
| Test Mode | Frequency (MHz) | TX Type | ANT No. | 99% Occupied Bandwidth | |
|-----------|-----------------|---------|---------|------------------------|---------------------|
| | | | | Test Result (MHz) | |
| GFSK | 2402 | SISO | 1 | 2.054 | Only for Report Use |
| | 2440 | SISO | 1 | 2.053 | Only for Report Use |
| | 2480 | SISO | 1 | 2.050 | Only for Report Use |

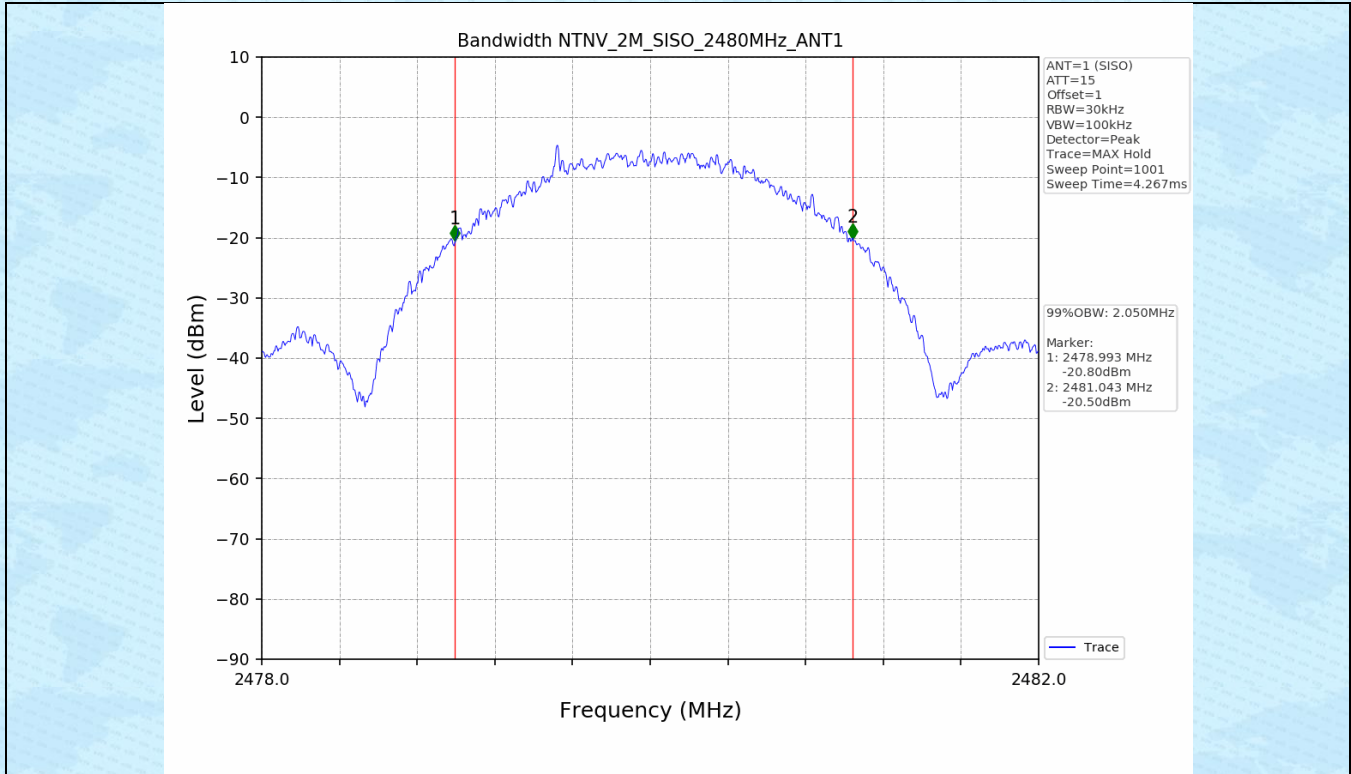
2.2 Test Graph - 6dB Bandwidth





2.3 Test Graph - 99% Occupied Bandwidth





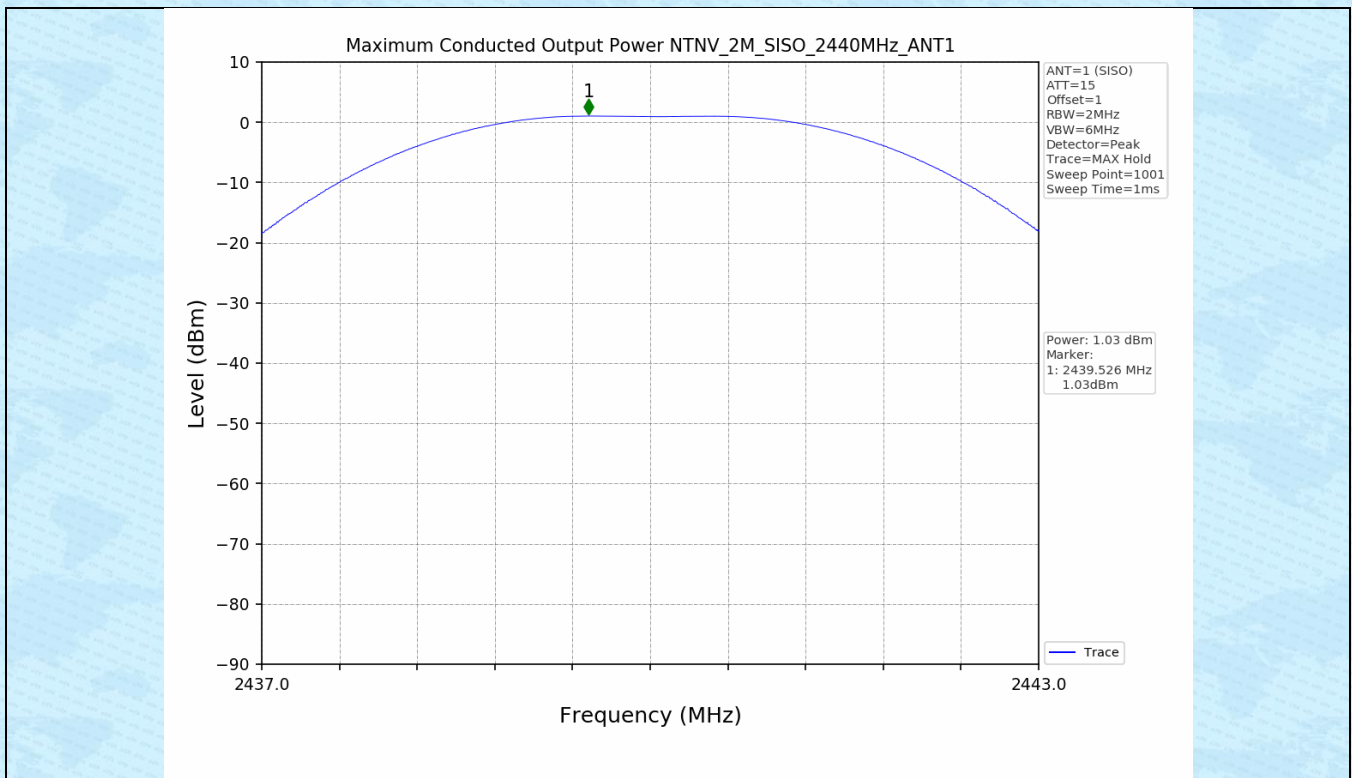
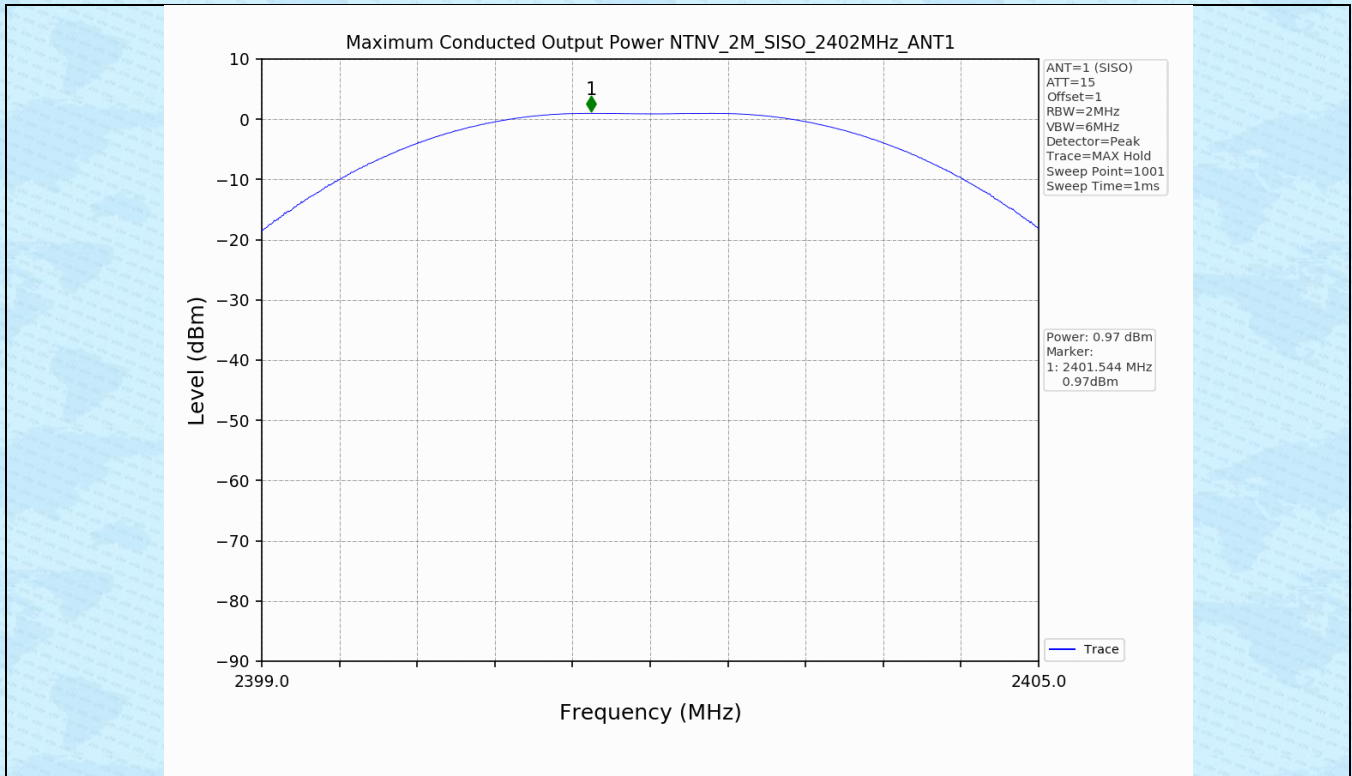
3. Maximum Conducted Output Power

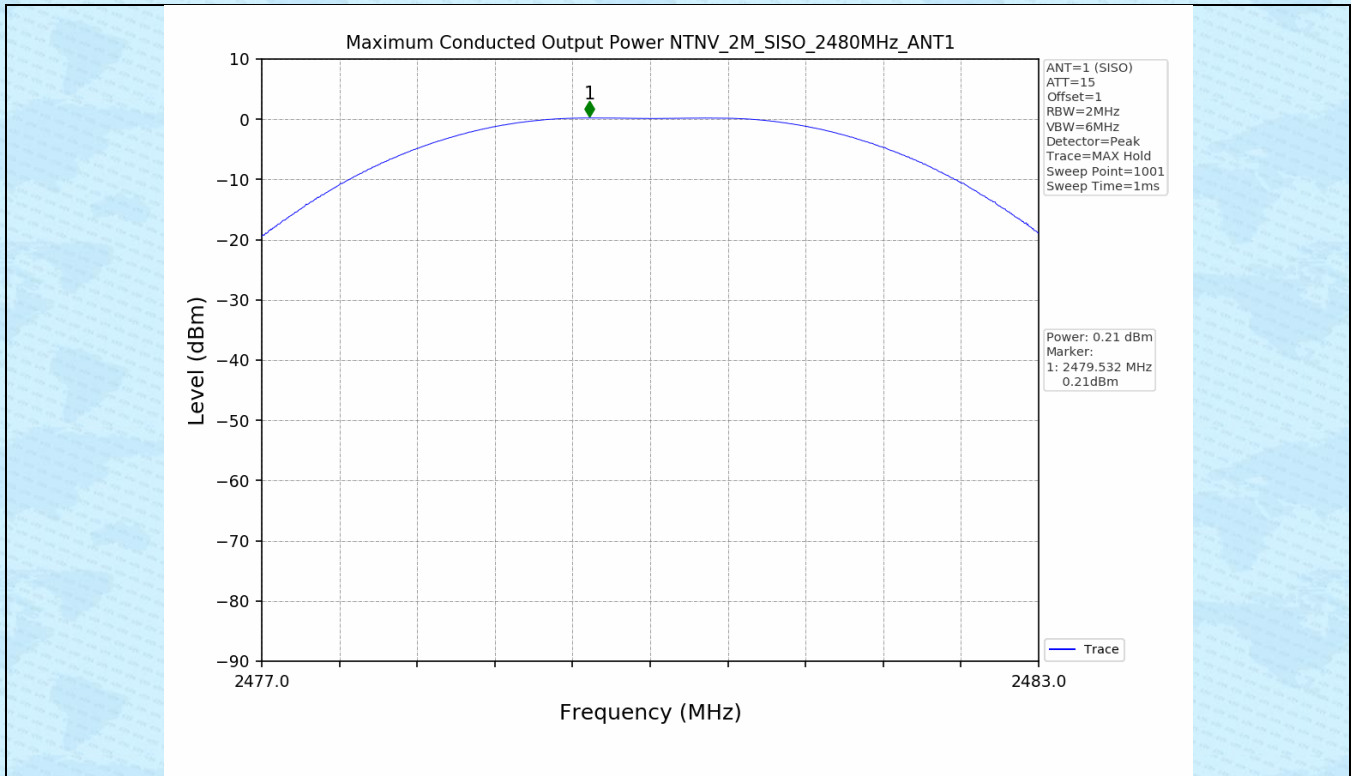
3.1 Test Result

| Test Mode | Frequency (MHz) | Tx Type | Measured Peak Output Power (dBm) | Limits (dBm) | Verdict |
|-----------|-----------------|---------|----------------------------------|--------------|---------|
| GFSK | 2402 | SISO | 0.97 | 30 | PASS |
| | 2440 | SISO | 1.03 | 30 | PASS |
| | 2480 | SISO | 0.21 | 30 | PASS |

| Test Mode | Frequency (MHz) | Tx Type | EIRP (dBm) | Limits (dBm) | Verdict |
|-----------|-----------------|---------|------------|--------------|---------|
| GFSK | 2402 | SISO | 2.85 | 30 | PASS |
| | 2440 | SISO | 2.91 | 30 | PASS |
| | 2480 | SISO | 2.09 | 30 | PASS |

3.2 Test Graph



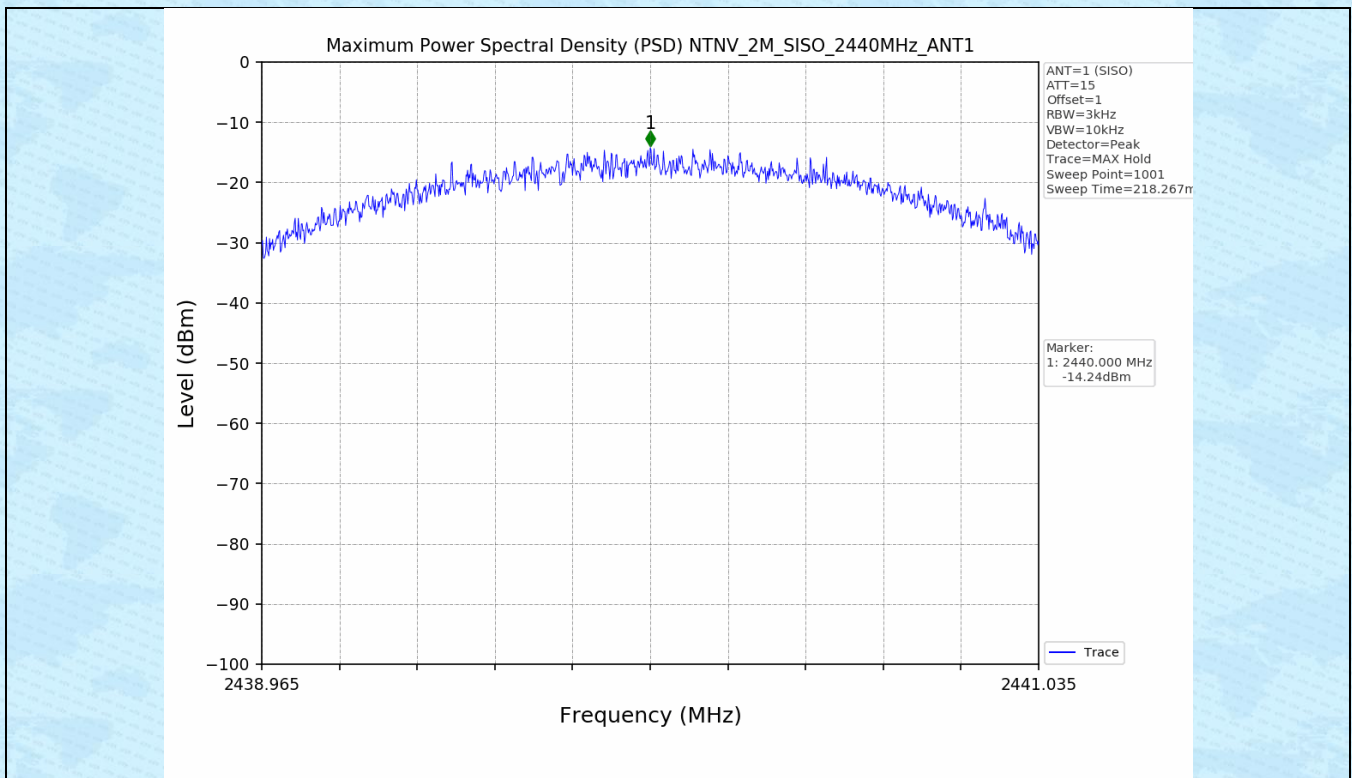
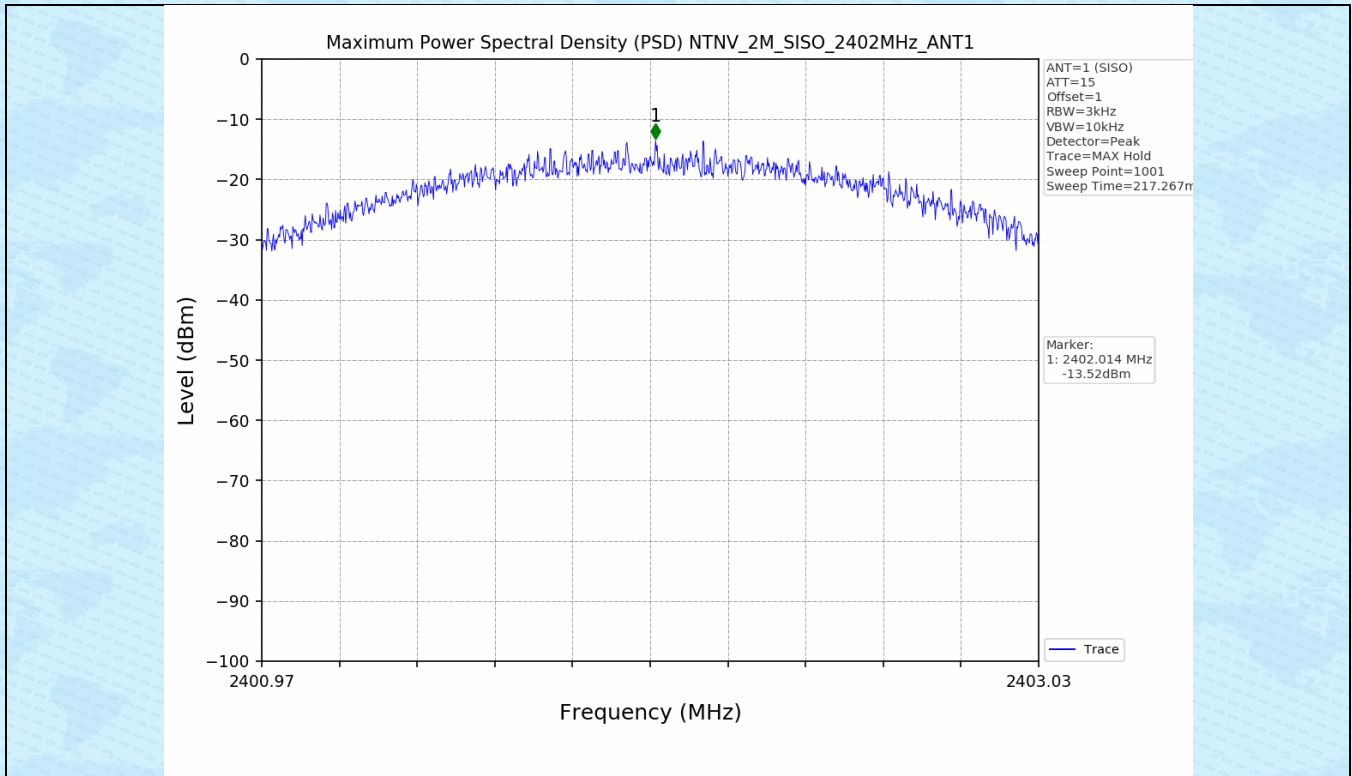


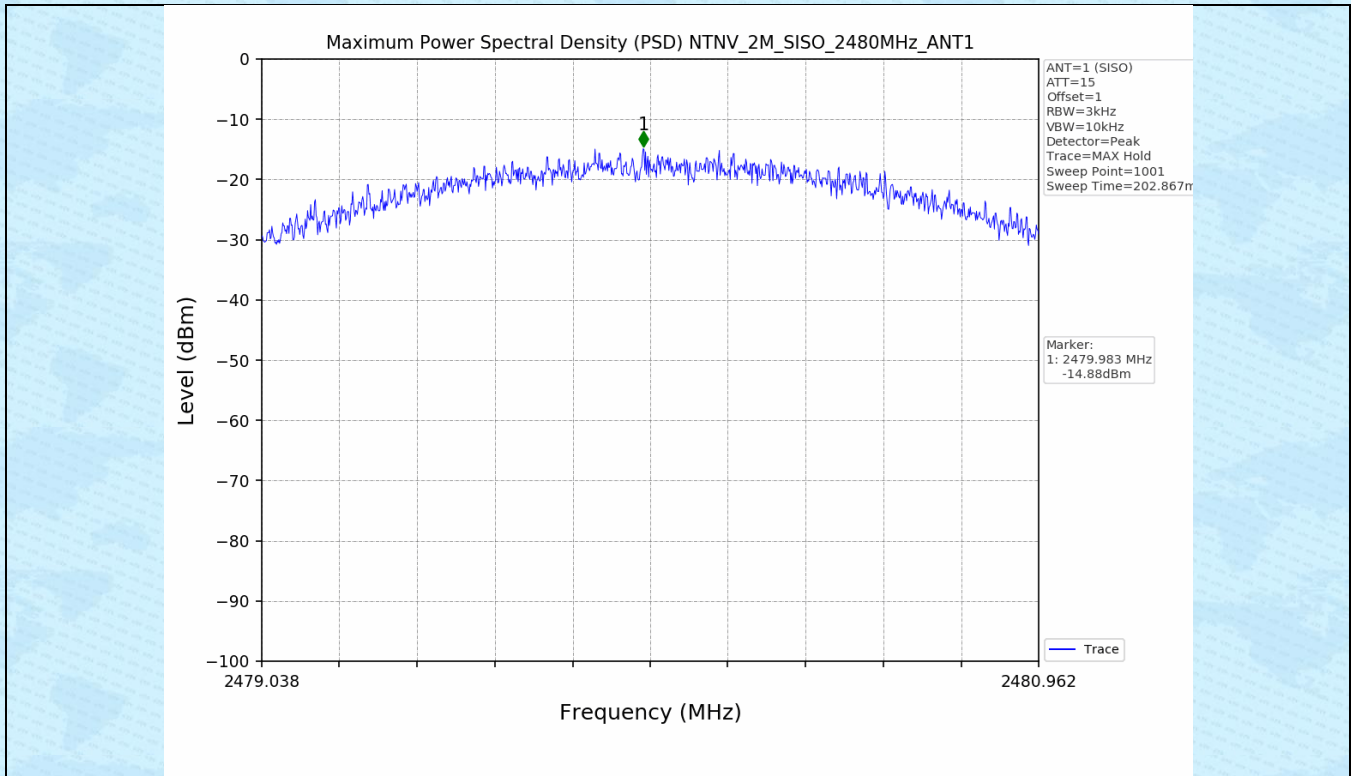
4. Maximum Power Spectral Density (PSD)

4.1 Test Result

| Test Mode | Frequency (MHz) | Tx Type | Maximum Power Spectral Density (dBm/3KHz) | Limits (dBm/3kHz) | Verdict |
|-----------|-----------------|---------|---|-------------------|---------|
| GFSK | 2402 | SISO | -13.52 | ≤8 | PASS |
| | 2440 | SISO | -14.24 | ≤8 | PASS |
| | 2480 | SISO | -14.88 | ≤8 | PASS |

4.2 Test Graph



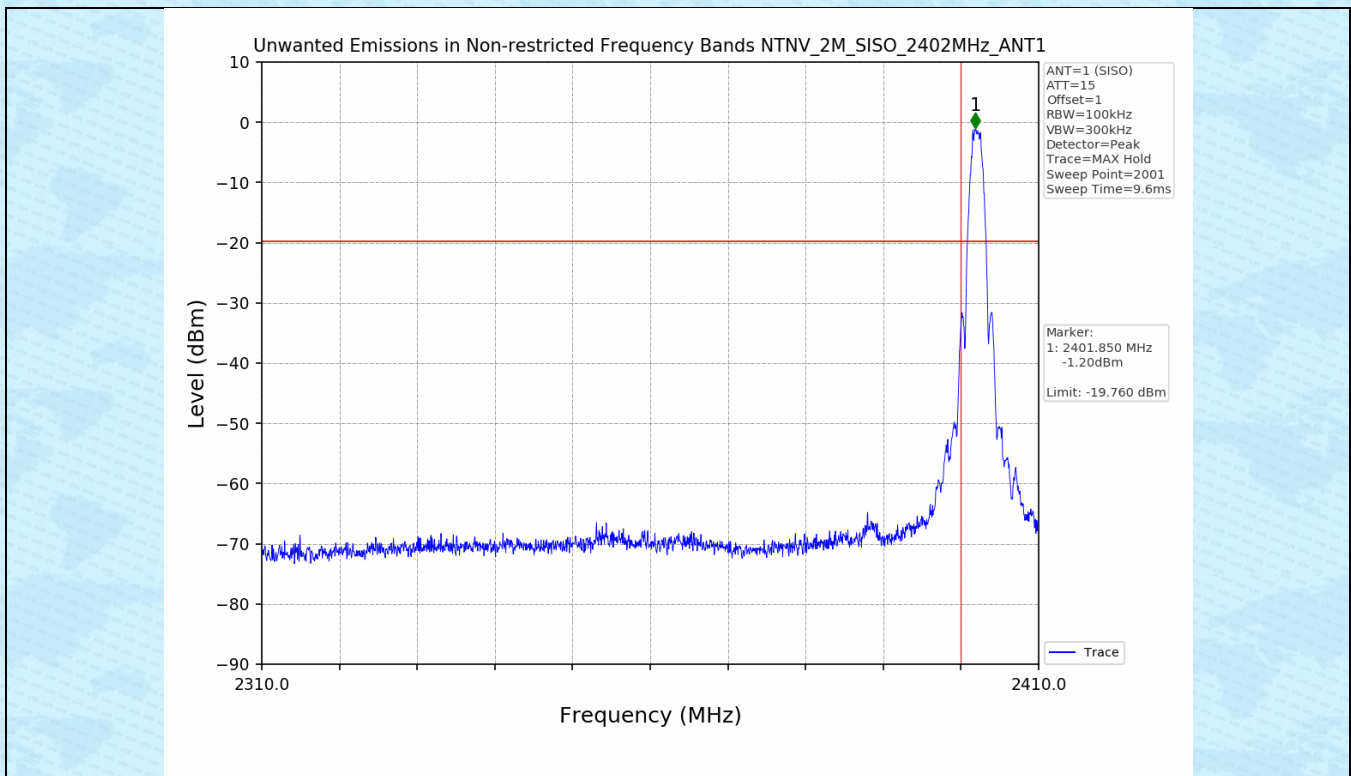
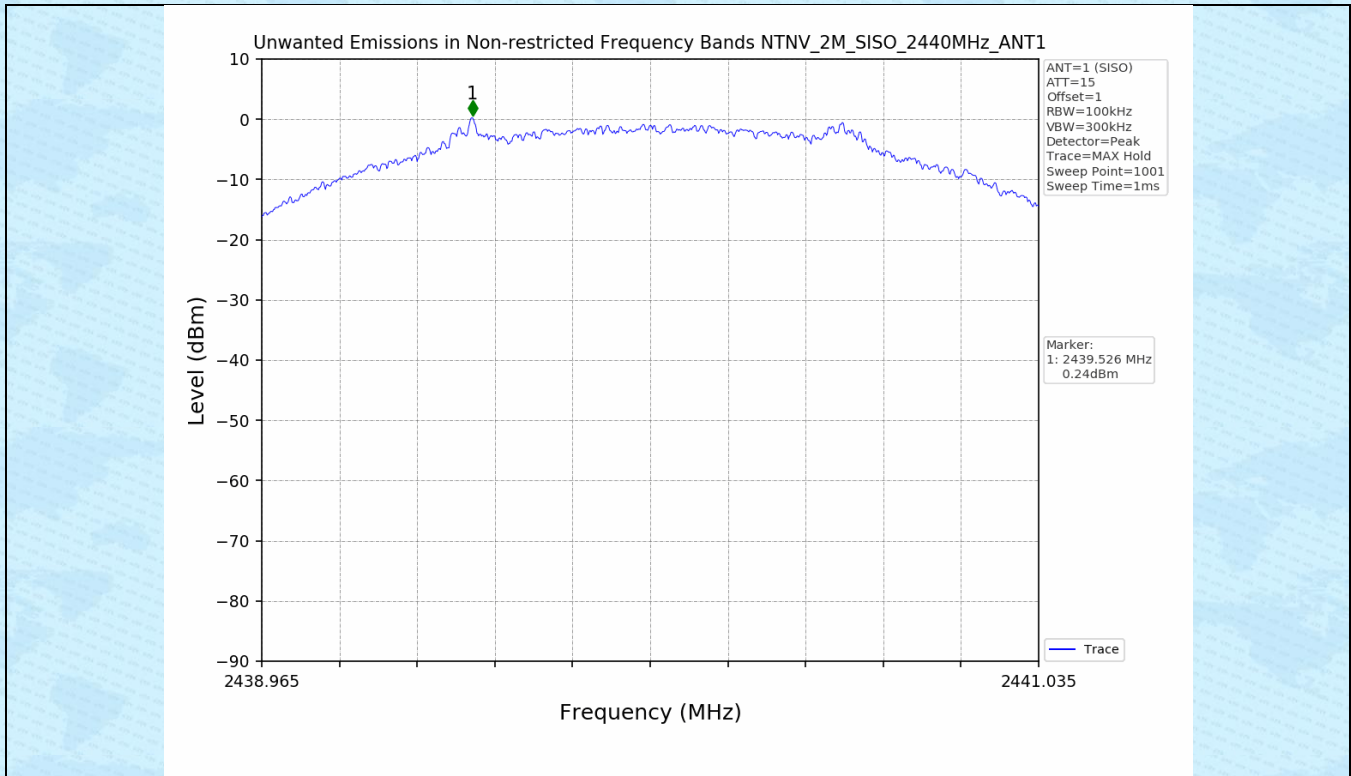


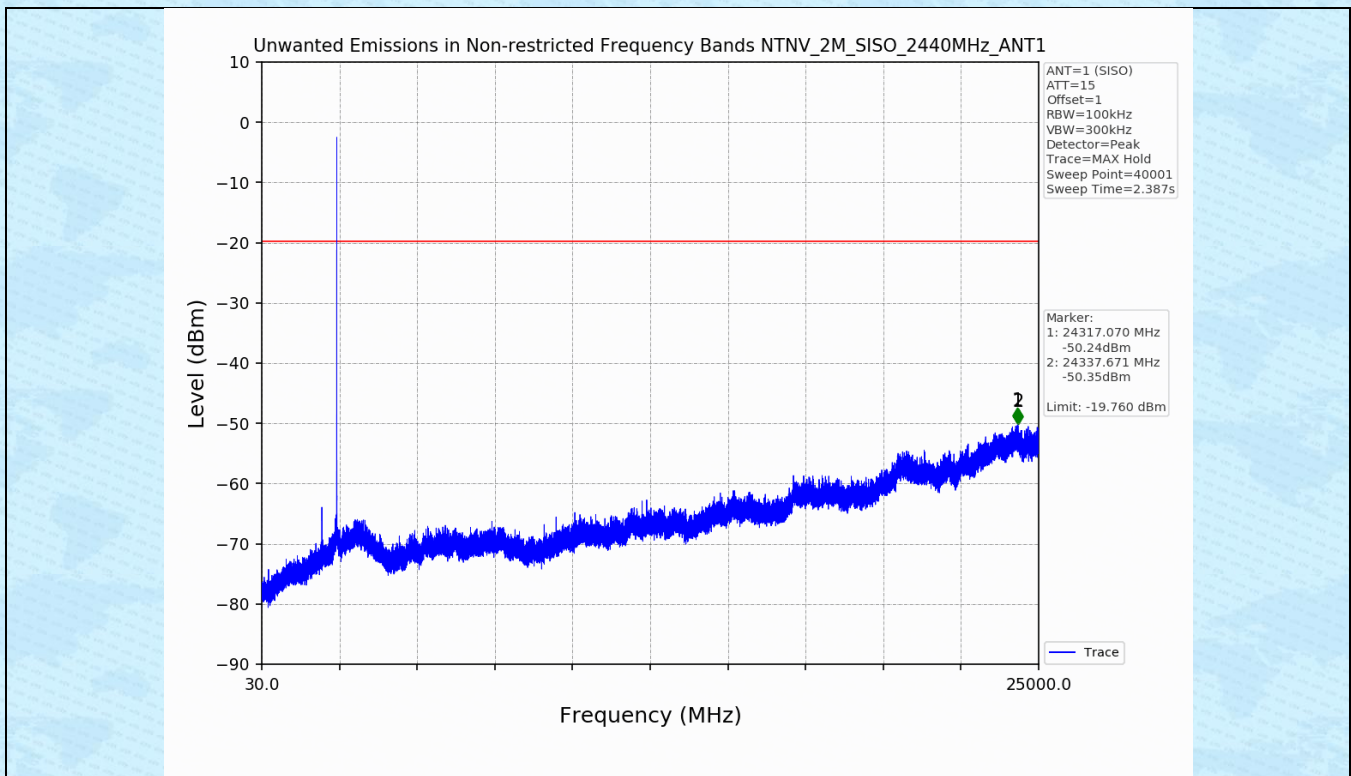
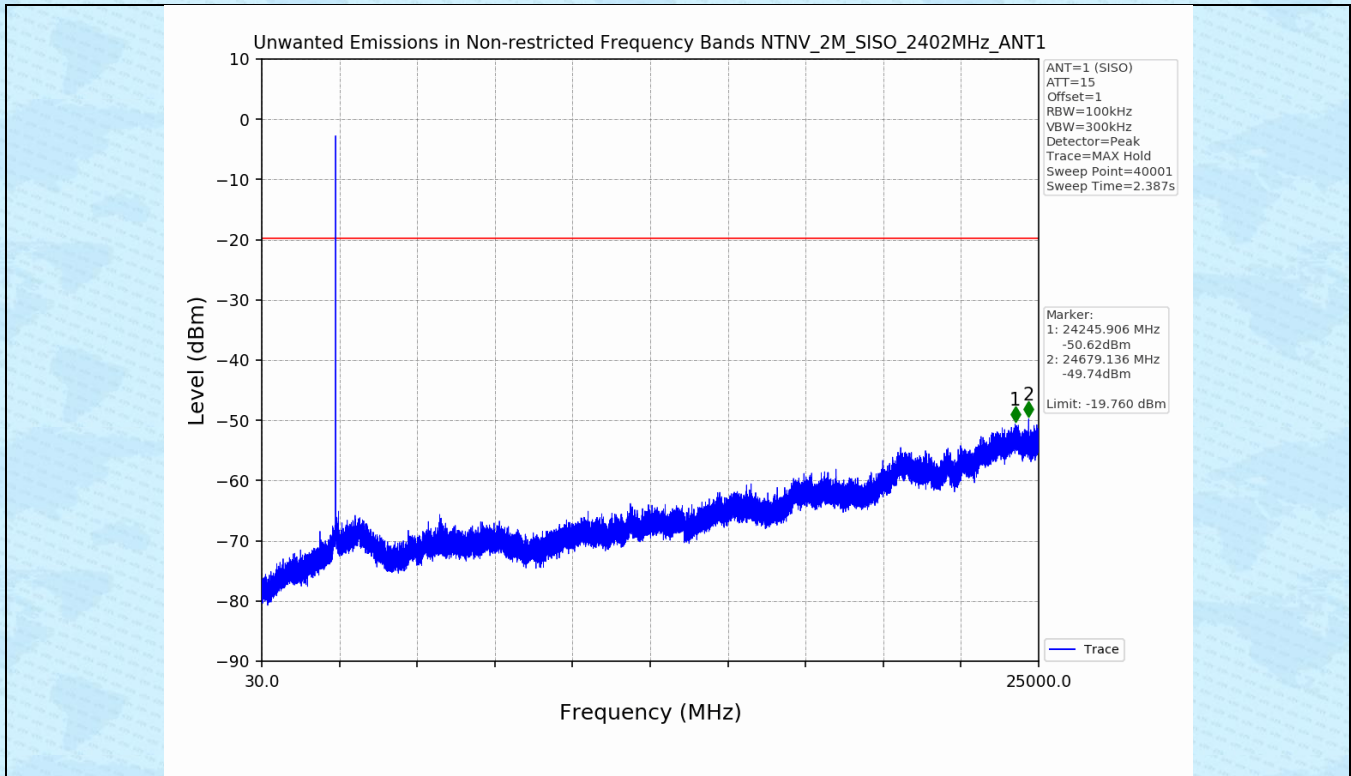
5. Unwanted Emissions in Non-restricted Frequency Bands

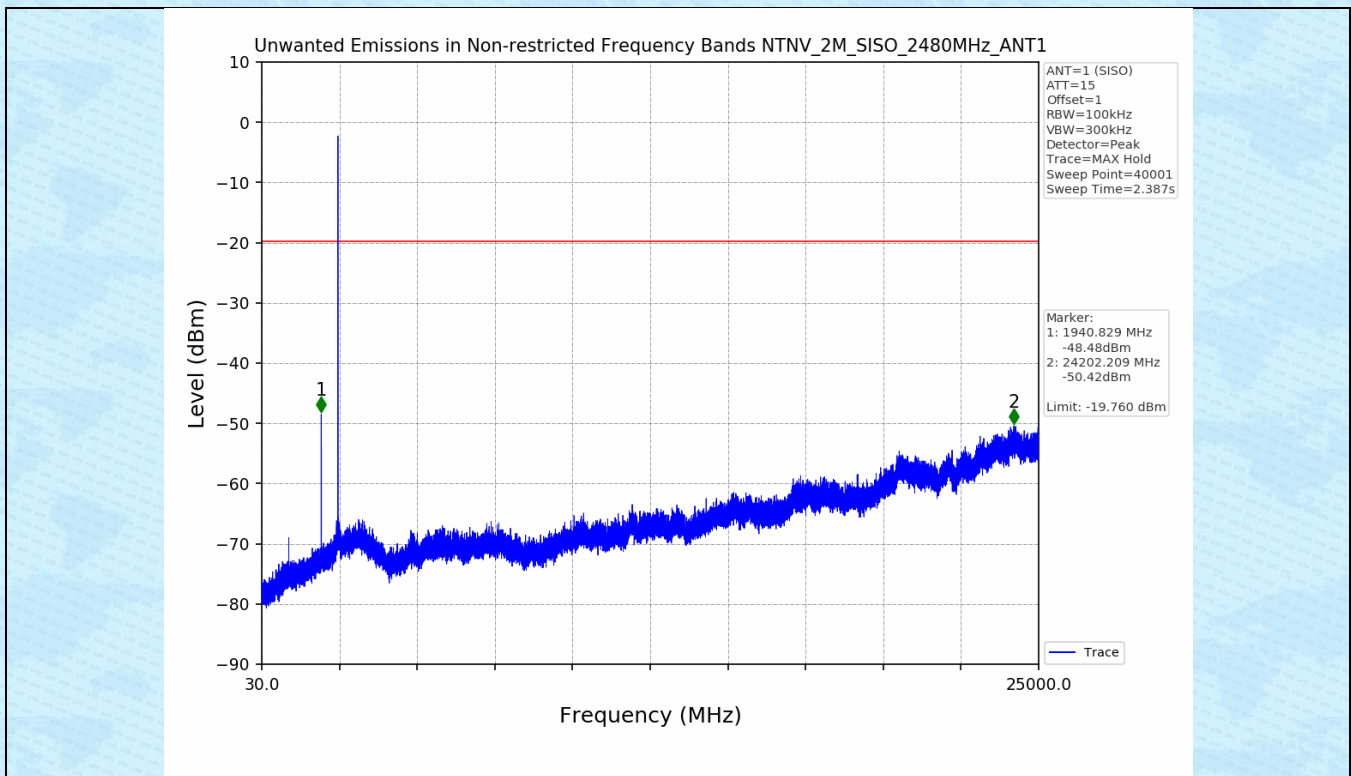
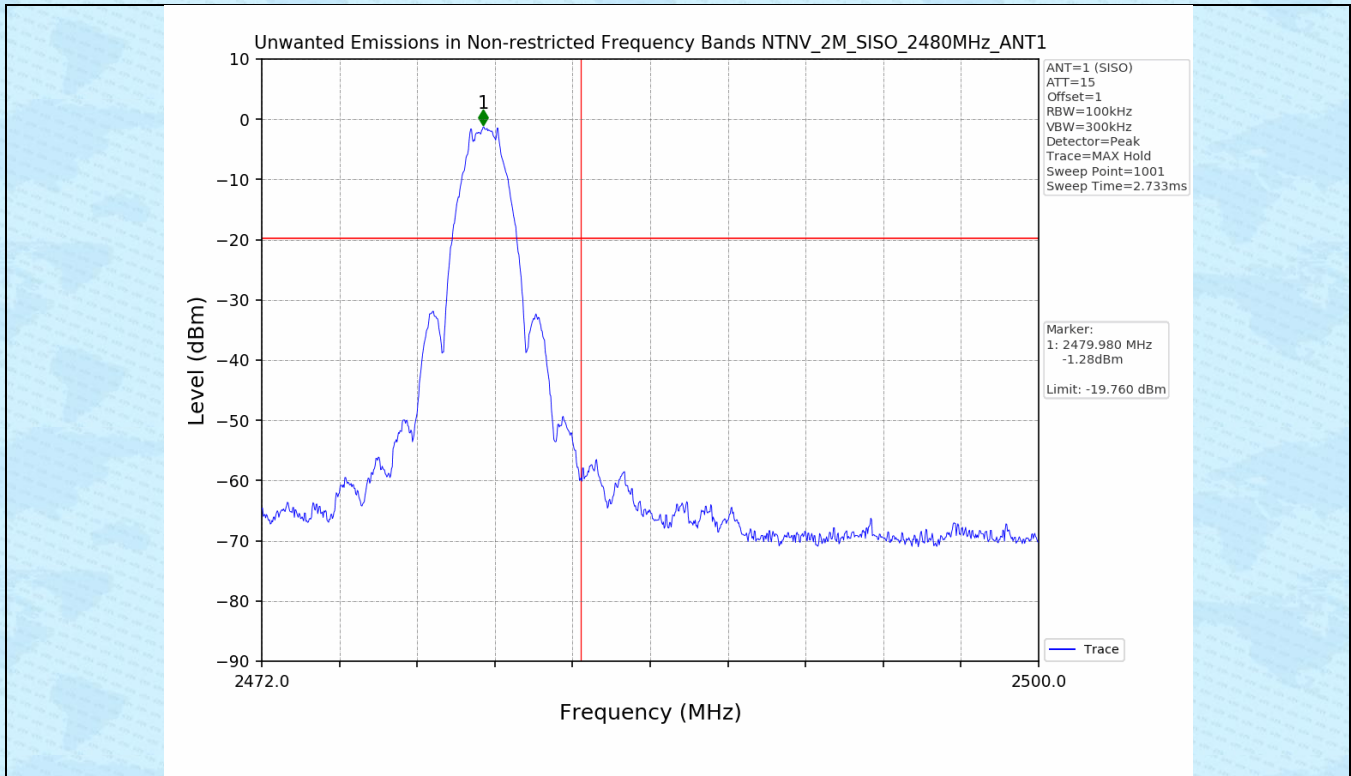
5.1 Test Result

| Test Mode | Frequency (MHz) | TX Type | ANT No. | Spurious Conducted Emission (dBm) | Limits (dBm) | Verdict |
|-----------|-----------------|---------|---------|-----------------------------------|--------------|---------|
| GFSK | 2402 | SISO | 1 | Refer to test graph | -19.76 | PASS |
| | 2440 | SISO | 1 | Refer to test graph | -19.76 | PASS |
| | 2480 | SISO | 1 | Refer to test graph | -19.76 | PASS |

5.2 Test Graph







-----End-----