

Appendix for 15.247

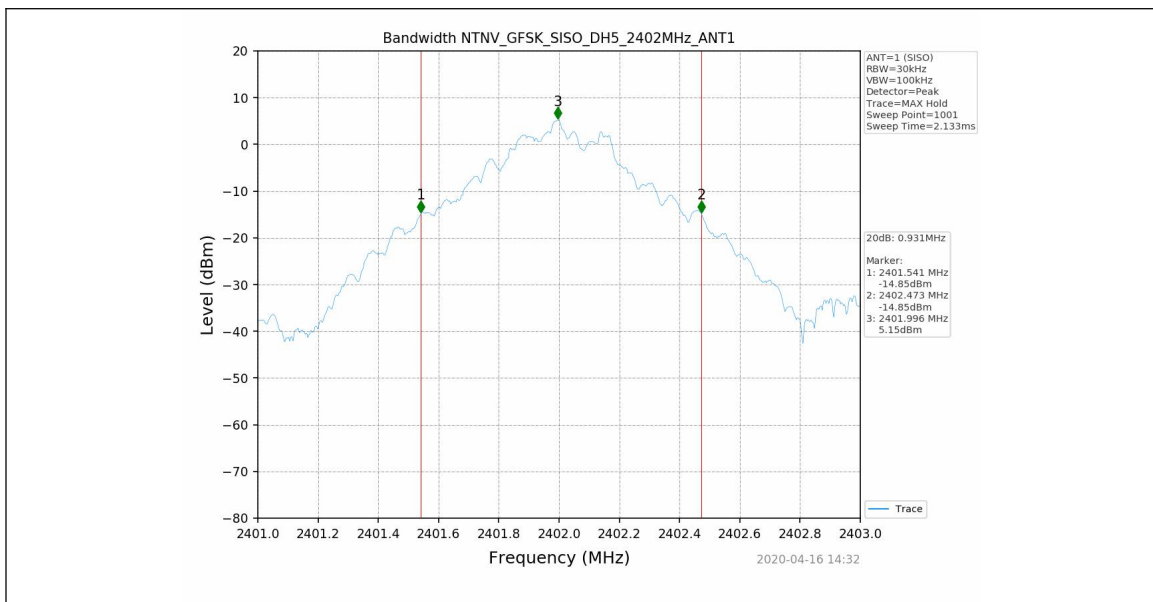
1. Bandwidth

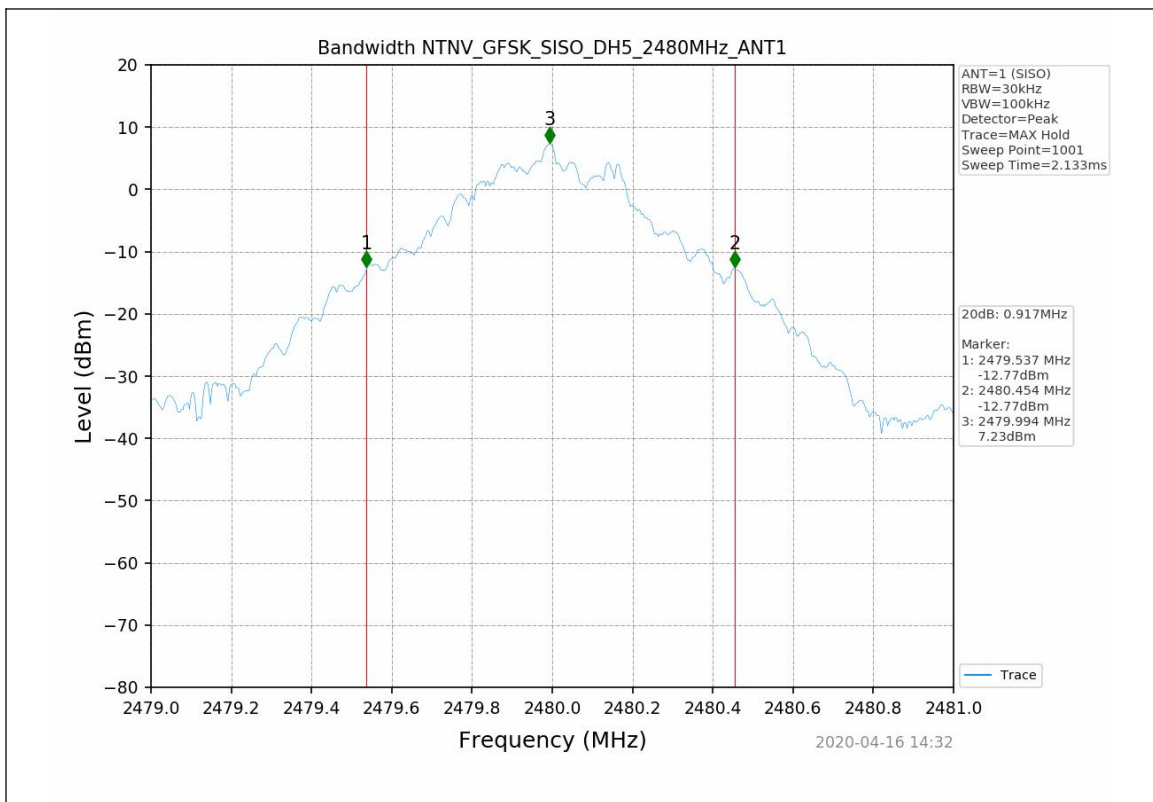
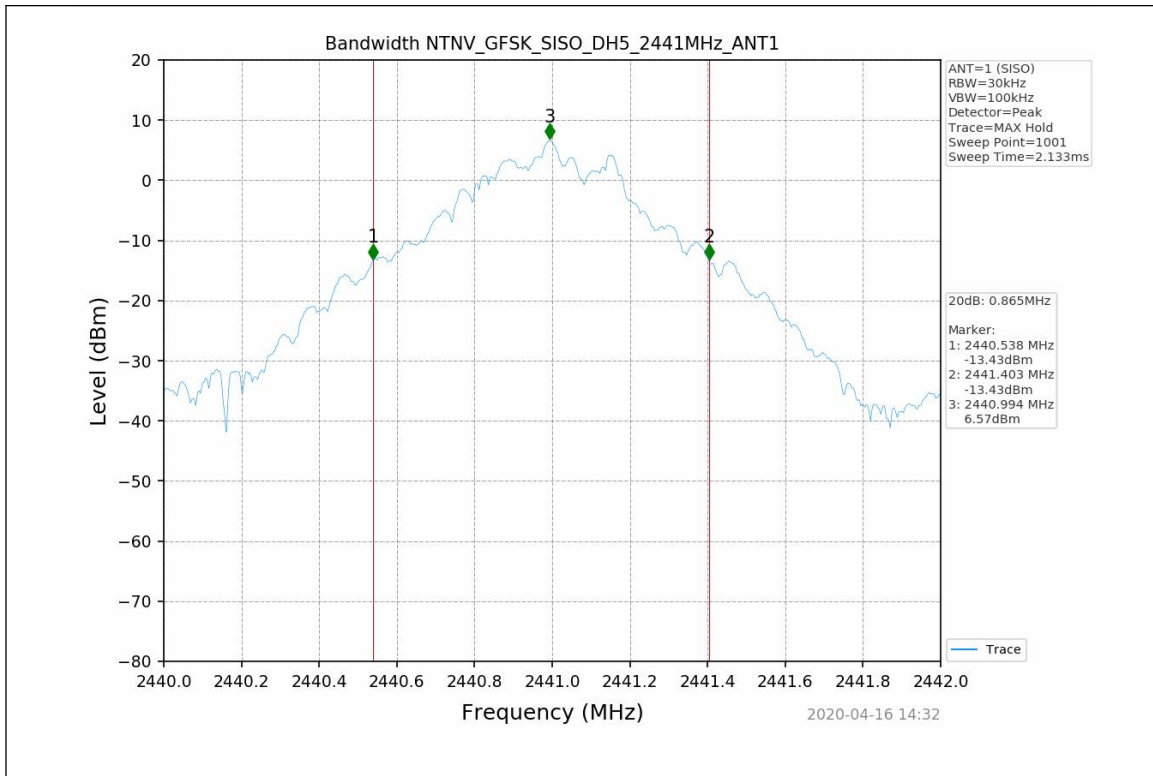
1.1 Test Result

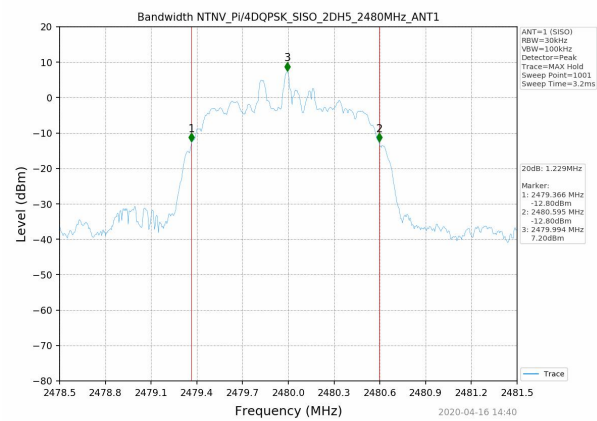
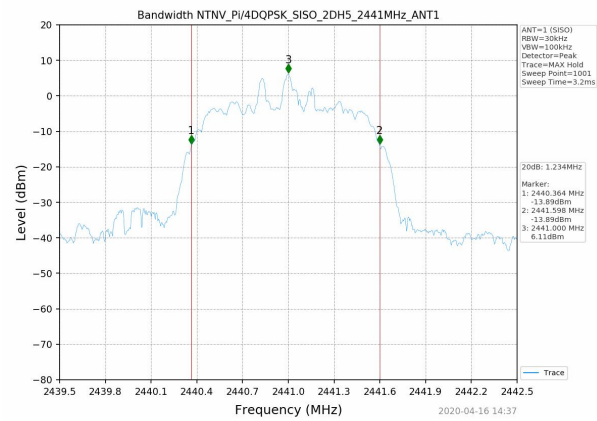
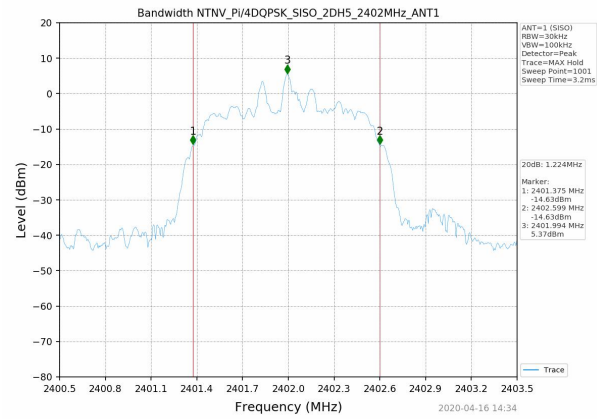
| Test Mode | Frequency (MHz) | TX Type | ANT No. | 20dB Bandwidth | Verdict |
|-----------|-----------------|---------|---------|-------------------|---------|
| | | | | Test Result (MHz) | |
| GFSK | 2402 | SISO | 1 | 0.931 | PASS |
| | 2441 | SISO | 1 | 0.865 | PASS |
| | 2480 | SISO | 1 | 0.917 | PASS |
| Pi/4DQPSK | 2402 | SISO | 1 | 1.224 | PASS |
| | 2441 | SISO | 1 | 1.234 | PASS |
| | 2480 | SISO | 1 | 1.229 | PASS |
| 8DPSK | 2402 | SISO | 1 | 1.292 | PASS |
| | 2441 | SISO | 1 | 1.274 | PASS |
| | 2480 | SISO | 1 | 1.262 | PASS |

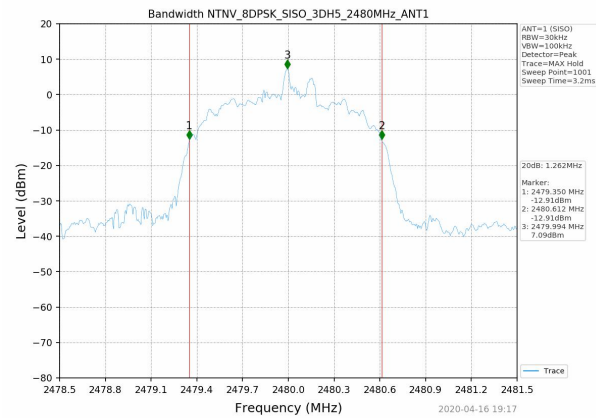
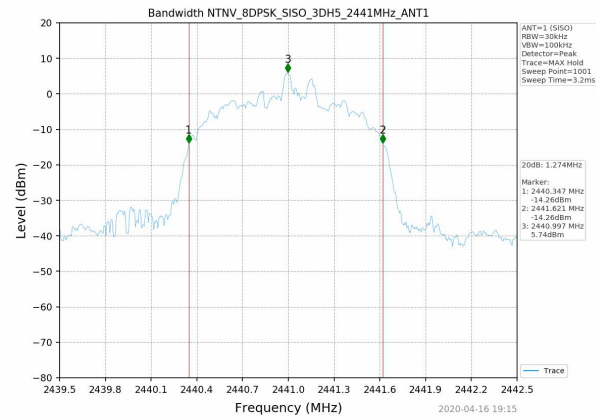
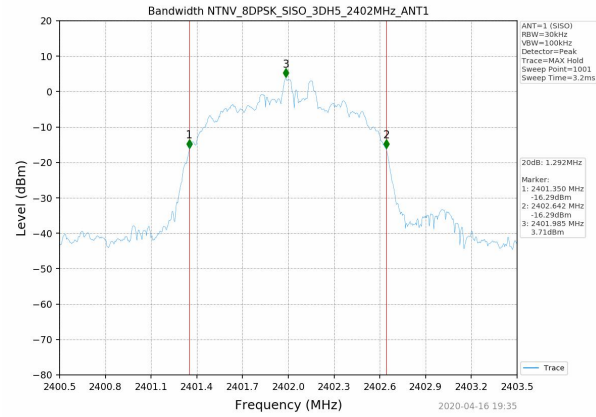
| Test Mode | Frequency (MHz) | TX Type | ANT No. | 99% Occupied Bandwidth | |
|-----------|-----------------|---------|---------|------------------------|---------------------|
| | | | | Test Result (MHz) | |
| GFSK | 2402 | SISO | 1 | 0.879 | Only for Report Use |
| | 2441 | SISO | 1 | 0.872 | Only for Report Use |
| | 2480 | SISO | 1 | 0.866 | Only for Report Use |
| Pi/4DQPSK | 2402 | SISO | 1 | 1.171 | Only for Report Use |
| | 2441 | SISO | 1 | 1.165 | Only for Report Use |
| | 2480 | SISO | 1 | 1.167 | Only for Report Use |
| 8DPSK | 2402 | SISO | 1 | 1.170 | Only for Report Use |
| | 2441 | SISO | 1 | 1.182 | Only for Report Use |
| | 2480 | SISO | 1 | 1.193 | Only for Report Use |

1.2 Test Graph - 20dB Bandwidth

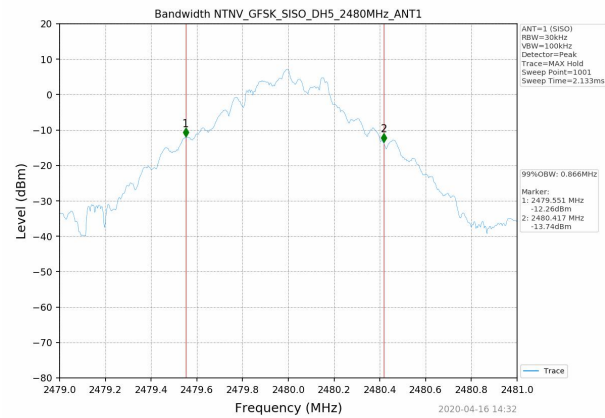
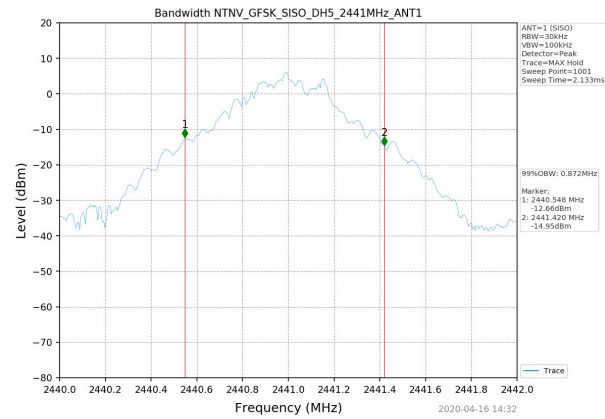
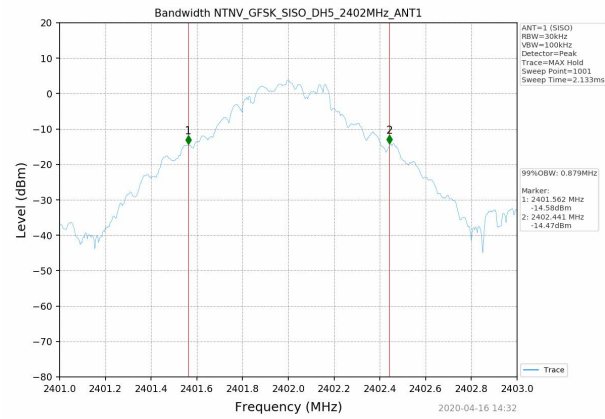


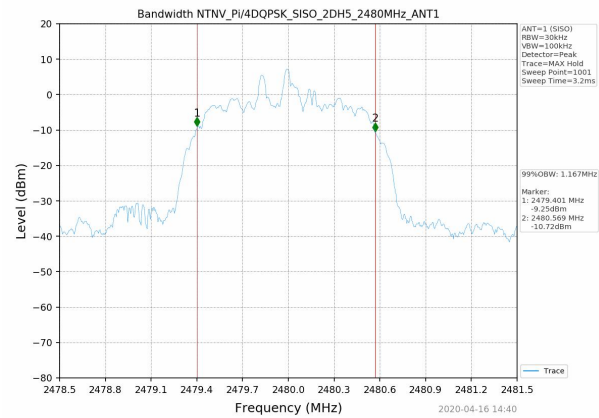
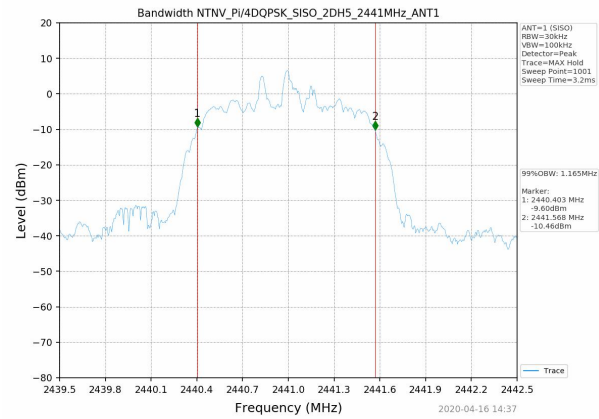
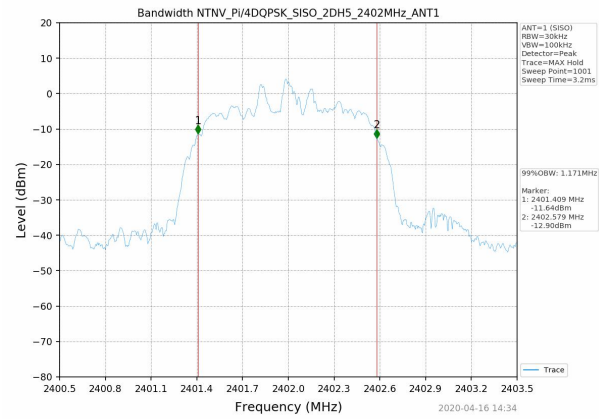


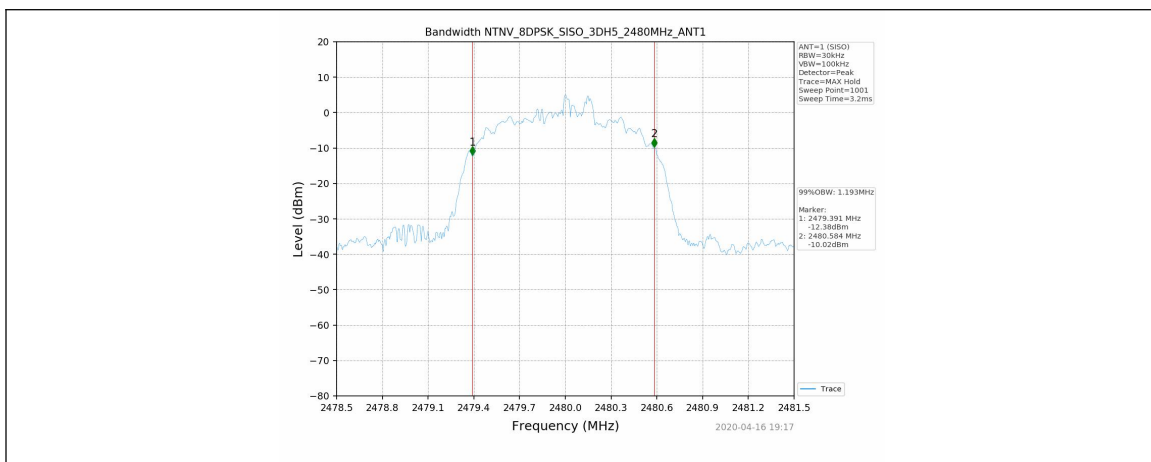
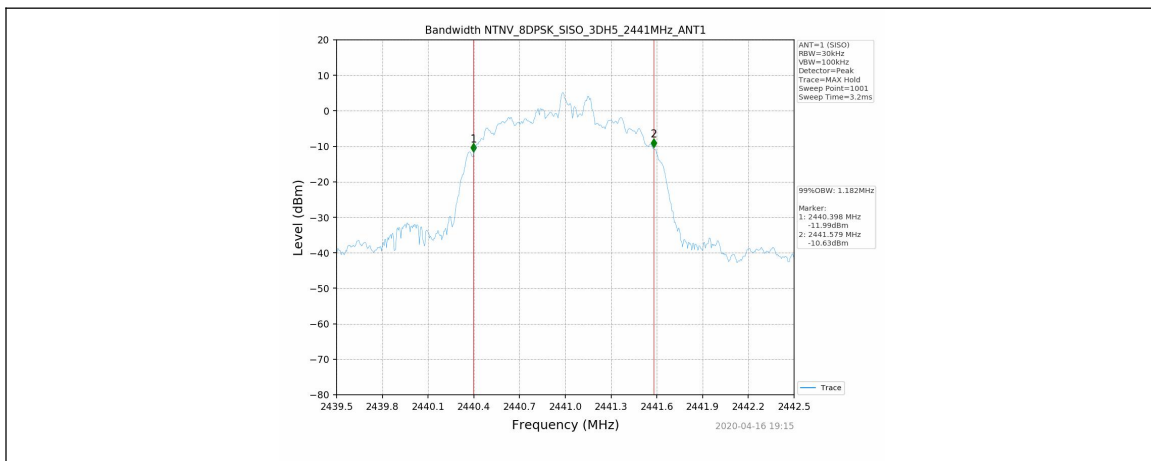
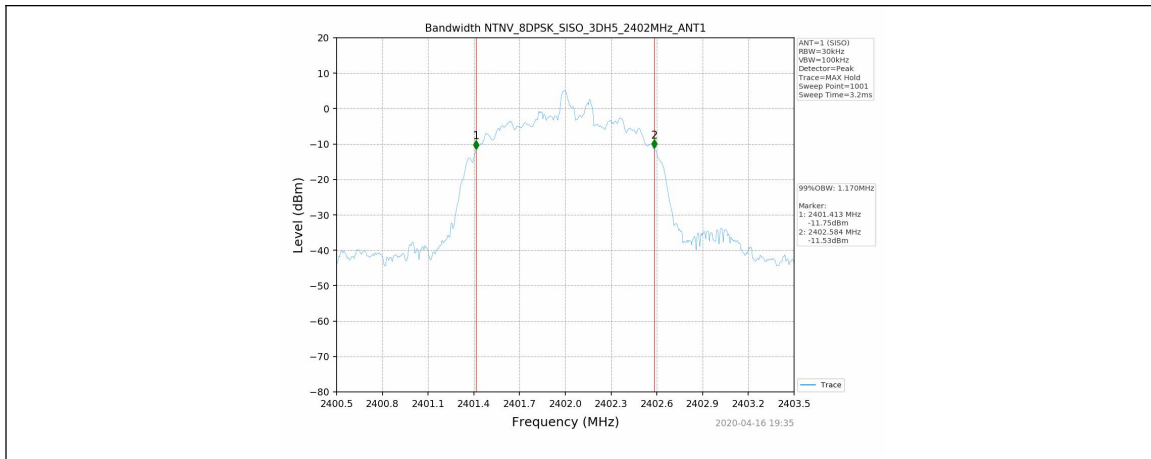




1.3 Test Graph - 99% Occupied Bandwidth





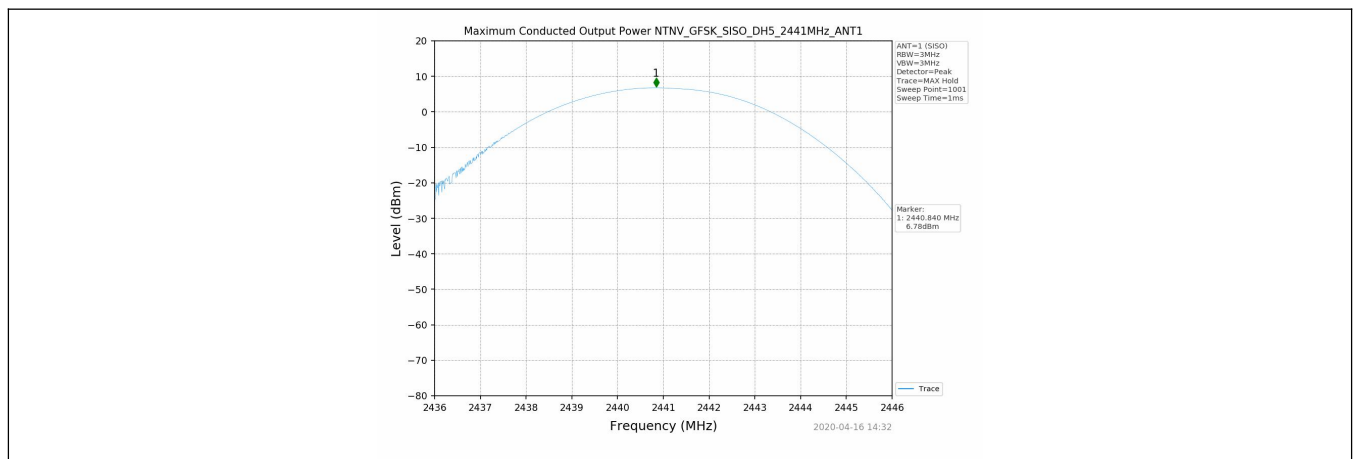
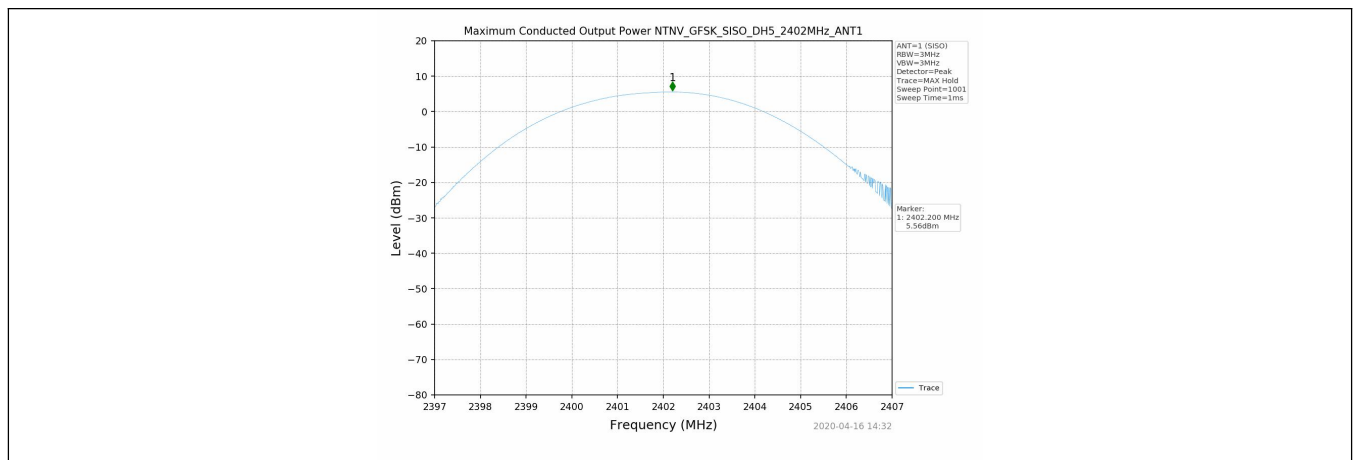


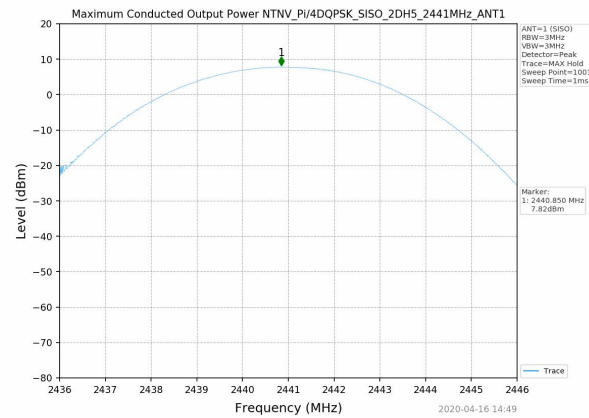
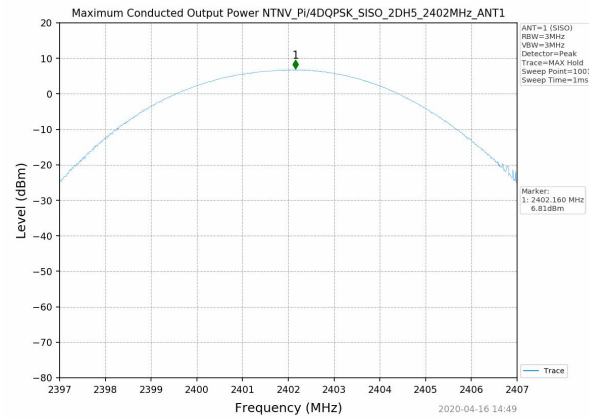
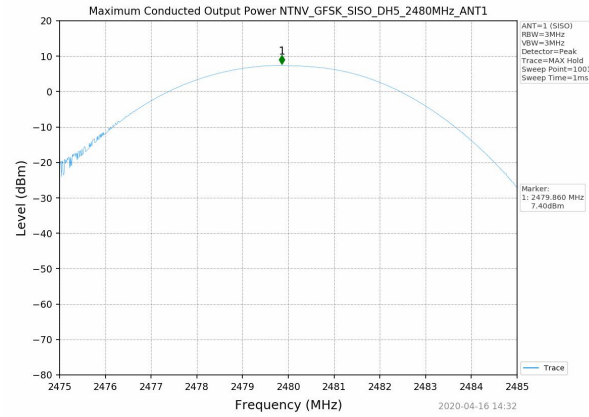
2. Maximum Conducted Output Power

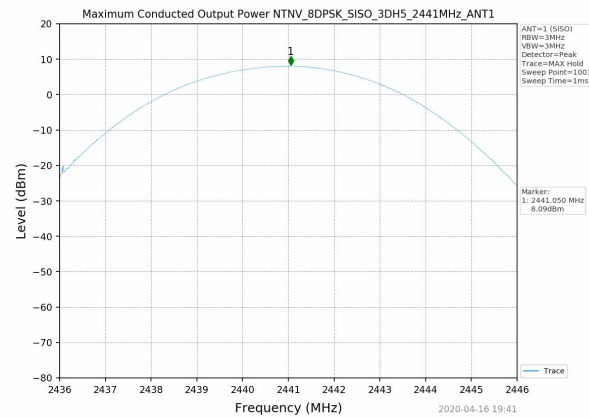
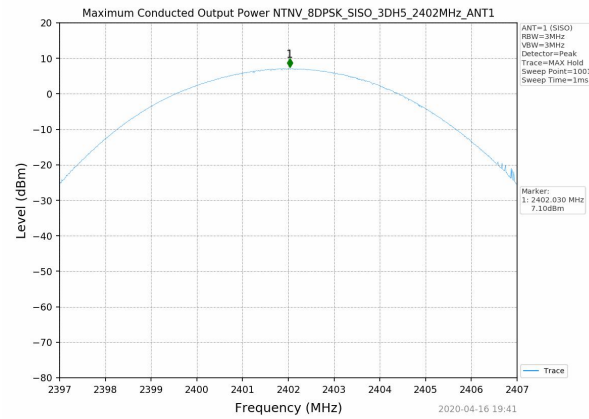
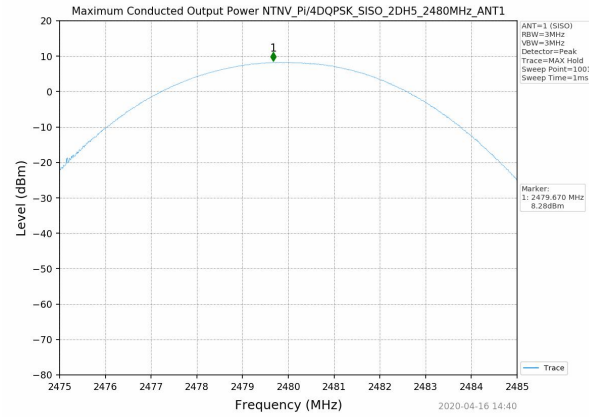
2.1 Test Result

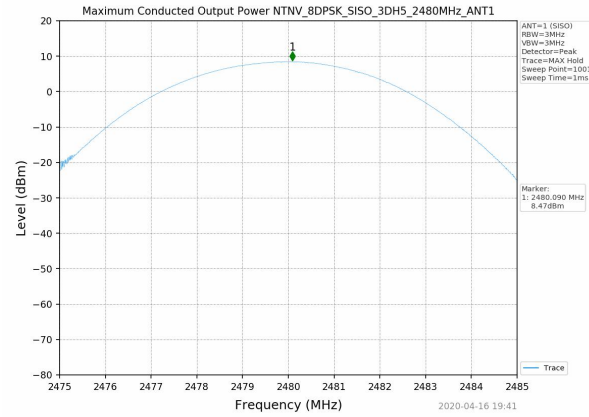
| Test Mode | Frequency (MHz) | Tx Type | Measured Peak Output Power (dBm) | Limits (dBm) | Verdict |
|-----------|-----------------|---------|----------------------------------|--------------|---------|
| | | | Ant 1 | | |
| GFSK | 2402 | SISO | 5.56 | 30 | PASS |
| | 2441 | SISO | 6.78 | 30 | PASS |
| | 2480 | SISO | 7.40 | 30 | PASS |
| Pi/4DQPSK | 2402 | SISO | 6.81 | 20.97 | PASS |
| | 2441 | SISO | 7.82 | 20.97 | PASS |
| | 2480 | SISO | 8.28 | 20.97 | PASS |
| 8DPSK | 2402 | SISO | 7.10 | 20.97 | PASS |
| | 2441 | SISO | 8.09 | 20.97 | PASS |
| | 2480 | SISO | 8.47 | 20.97 | PASS |

2.2 Test Graph







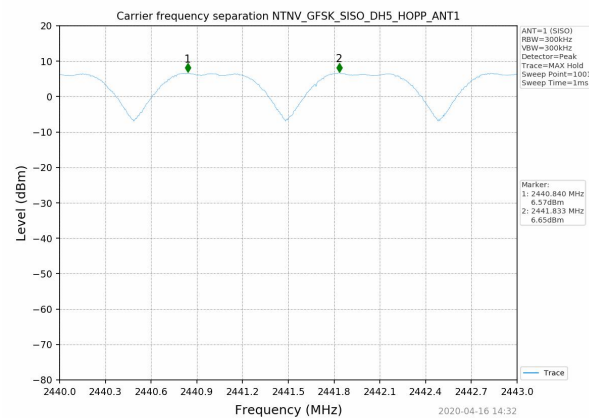


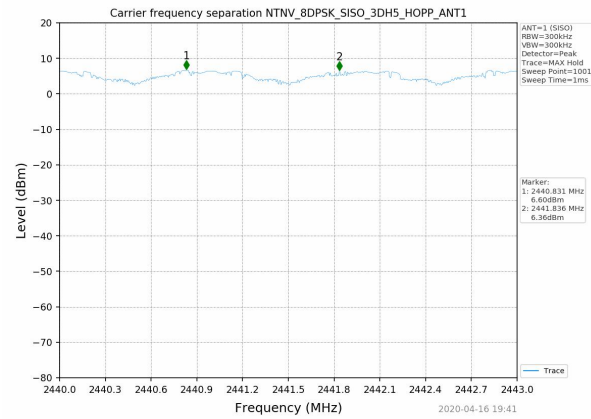
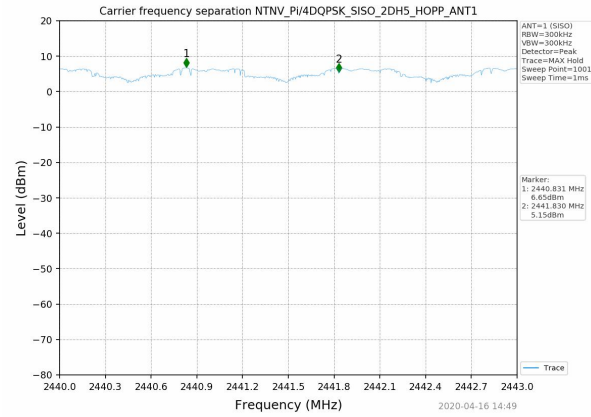
3. Carrier frequency separation

3.1 Test Result

| Test Mode | TX Type | ANT No. | Channel Separation (MHz) | 20dB Bandwidth (MHz) | Limits (MHz) | Verdict |
|-----------|---------|---------|--------------------------|----------------------|--------------|---------|
| GFSK | SISO | 1 | 0.993 | 0.931 | ≥ 0.931 | PASS |
| Pi/4DQPSK | SISO | 1 | 0.999 | 1.234 | ≥ 0.823 | PASS |
| 8DPSK | SISO | 1 | 1.005 | 1.292 | ≥ 0.861 | PASS |

3.2 Test Graph



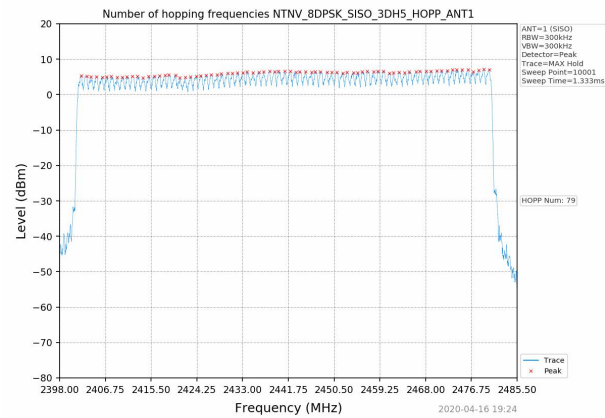
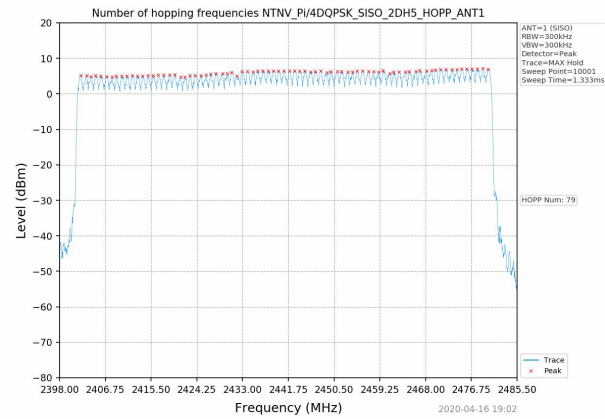
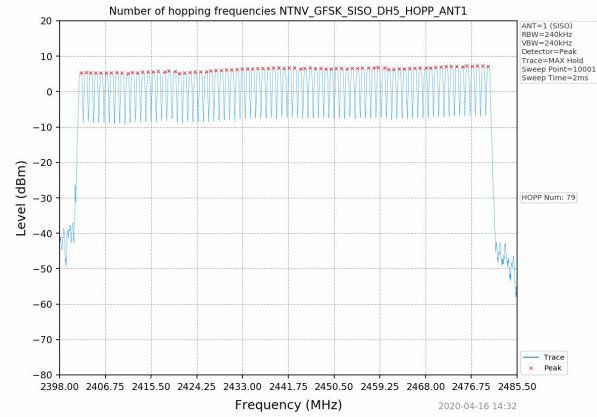


4. Number of hopping frequencies

4.1 Test Result

| Test Mode | TX Type | ANT No. | Num of Hopping Frequencies | Limits | Verdict |
|-----------|---------|---------|----------------------------|-----------|---------|
| GFSK | SISO | 1 | 79 | ≥ 15 | PASS |
| Pi/4DQPSK | SISO | 1 | 79 | ≥ 15 | PASS |
| 8DPSK | SISO | 1 | 79 | ≥ 15 | 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 | -12.89 | PASS |
| | 2441 | SISO | 1 | Refer to test graph | -12.89 | PASS |
| | 2480 | SISO | 1 | Refer to test graph | -12.89 | PASS |
| | Hopping | SISO | 1 | Refer to test graph | -12.89 | PASS |
| Pi/4DQPSK | 2402 | SISO | 1 | Refer to test graph | -12.74 | PASS |
| | 2441 | SISO | 1 | Refer to test graph | -12.74 | PASS |
| | 2480 | SISO | 1 | Refer to test graph | -12.74 | PASS |
| | Hopping | SISO | 1 | Refer to test graph | -12.74 | PASS |
| 8DPSK | 2402 | SISO | 1 | Refer to test graph | -12.94 | PASS |
| | 2441 | SISO | 1 | Refer to test graph | -12.94 | PASS |
| | 2480 | SISO | 1 | Refer to test graph | -12.94 | PASS |
| | Hopping | SISO | 1 | Refer to test graph | -12.94 | PASS |

5.2 Test Graph

