

Appendix A for SHCR21100046501

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

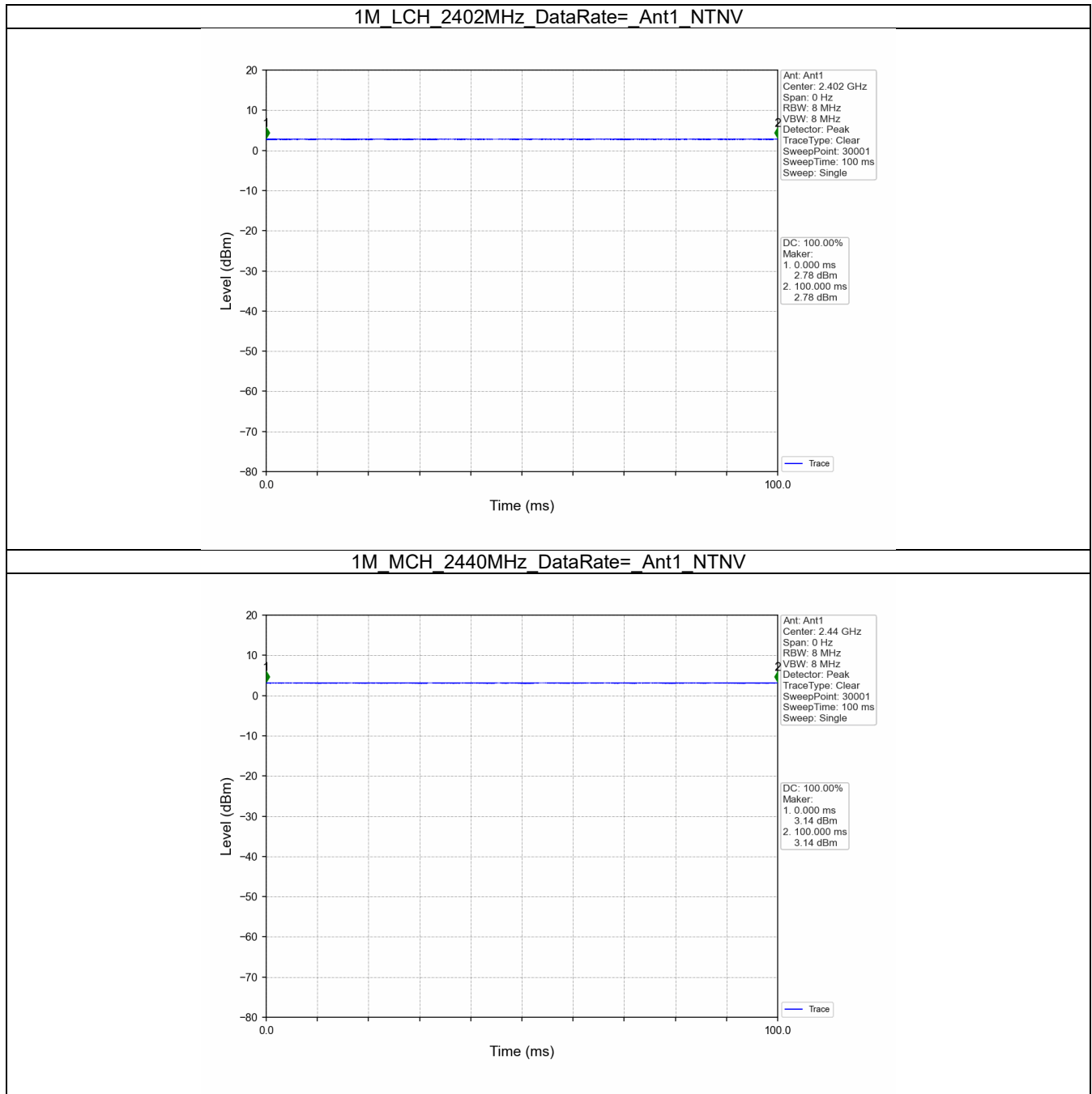
| Ant1 | | | | | | | |
|------|---------|-----------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode | TX Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 1M | SISO | 2402 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 2440 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 2480 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| 2M | SISO | 2402 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 2440 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |
| | | 2480 | 100.000 | 100.000 | 100.00 | 0.00 | 0.00 |



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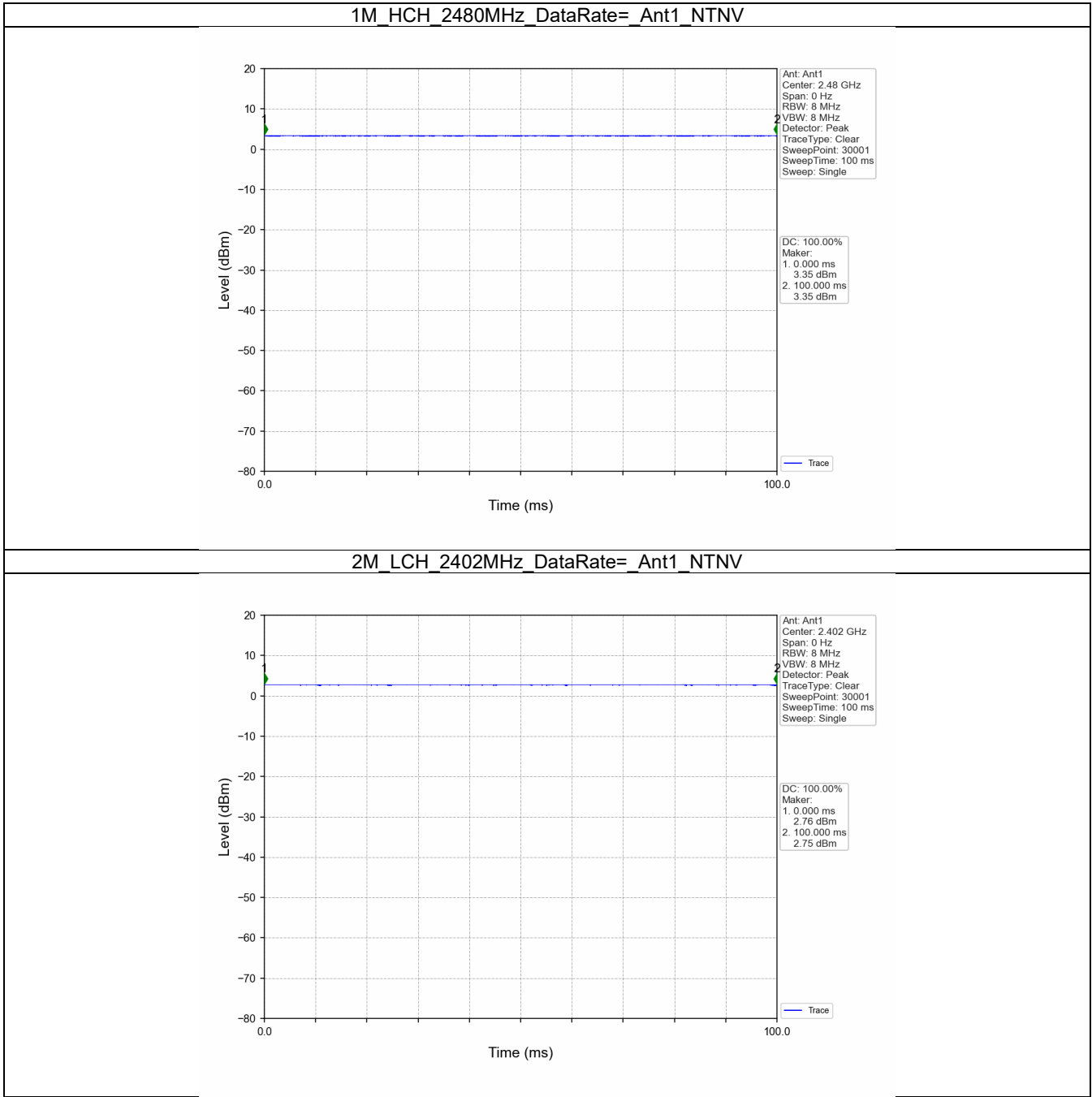
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1.1.2 Test Graph



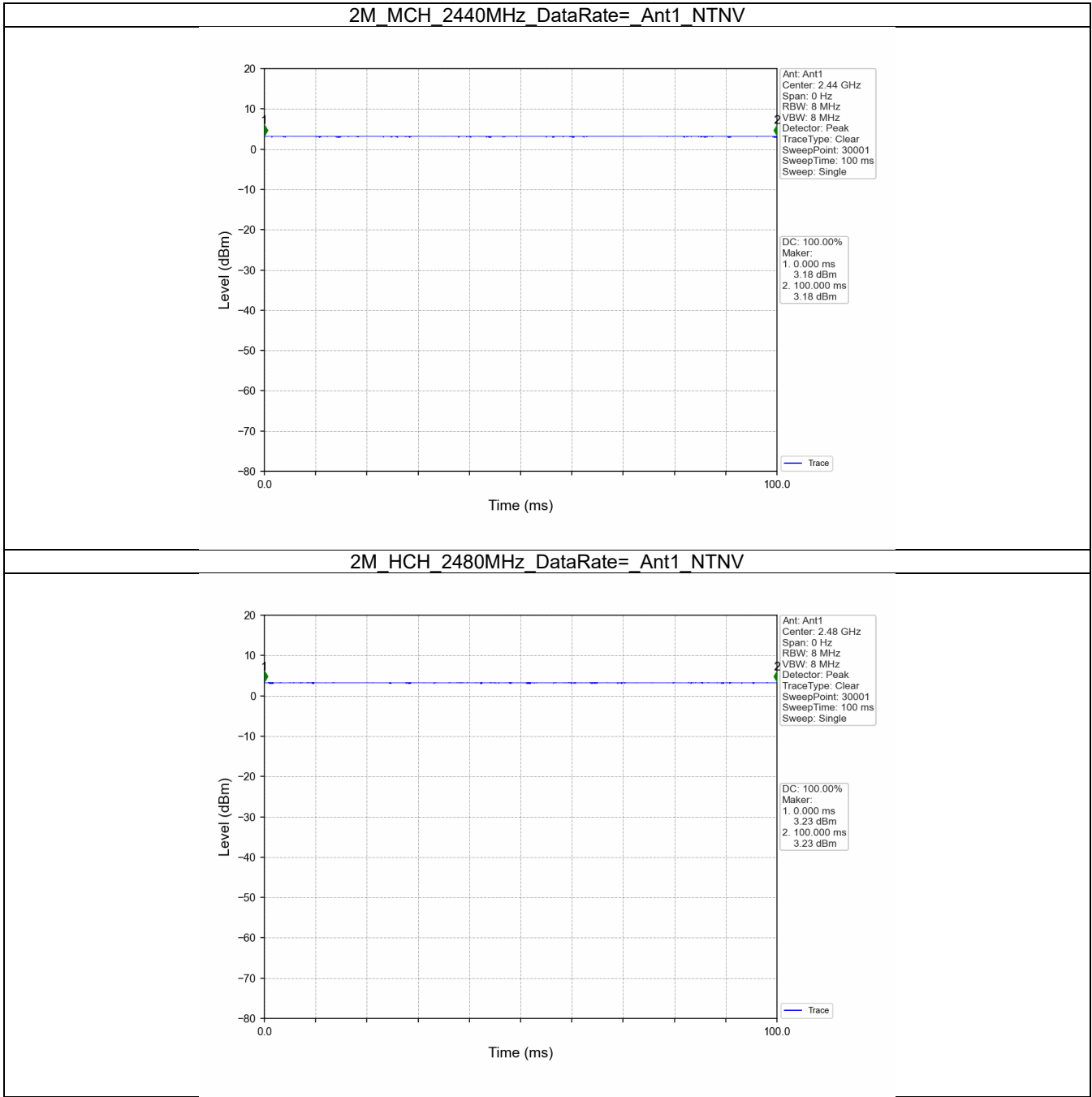
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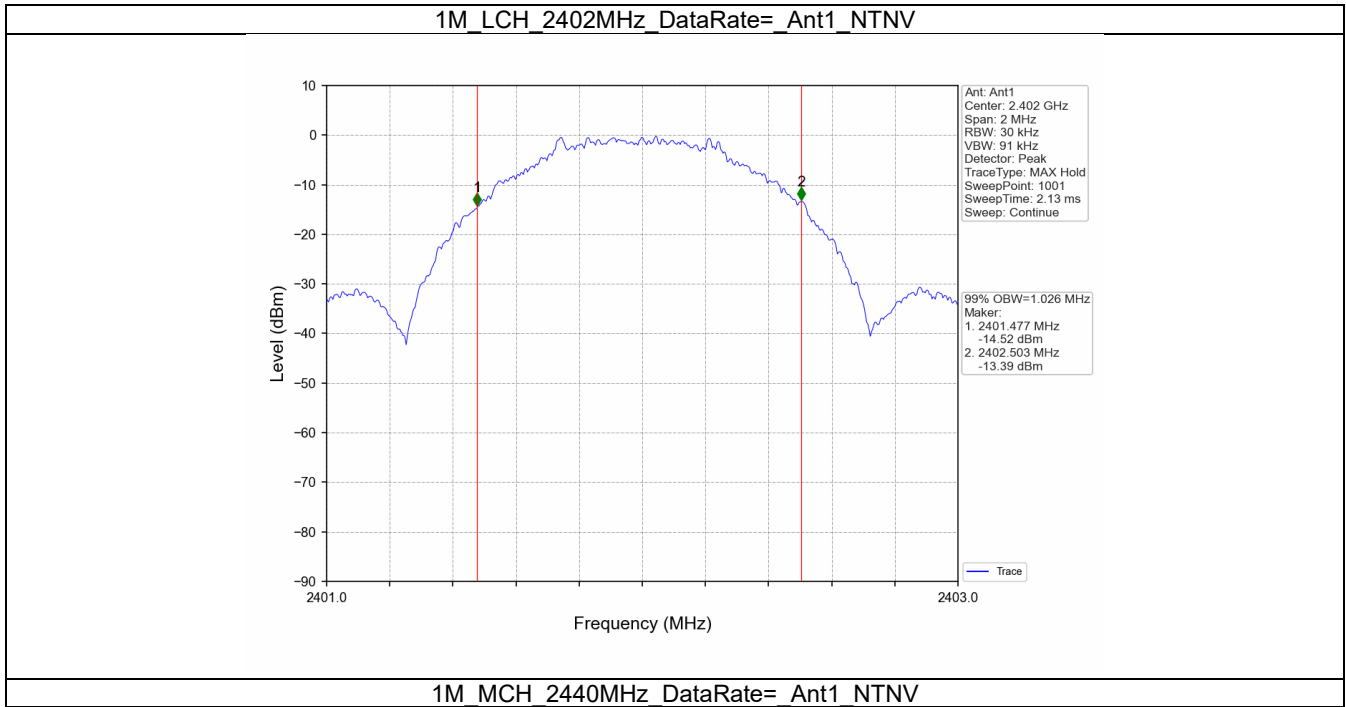
2. Bandwidth

2.1 OBW

2.1.1 Test Result

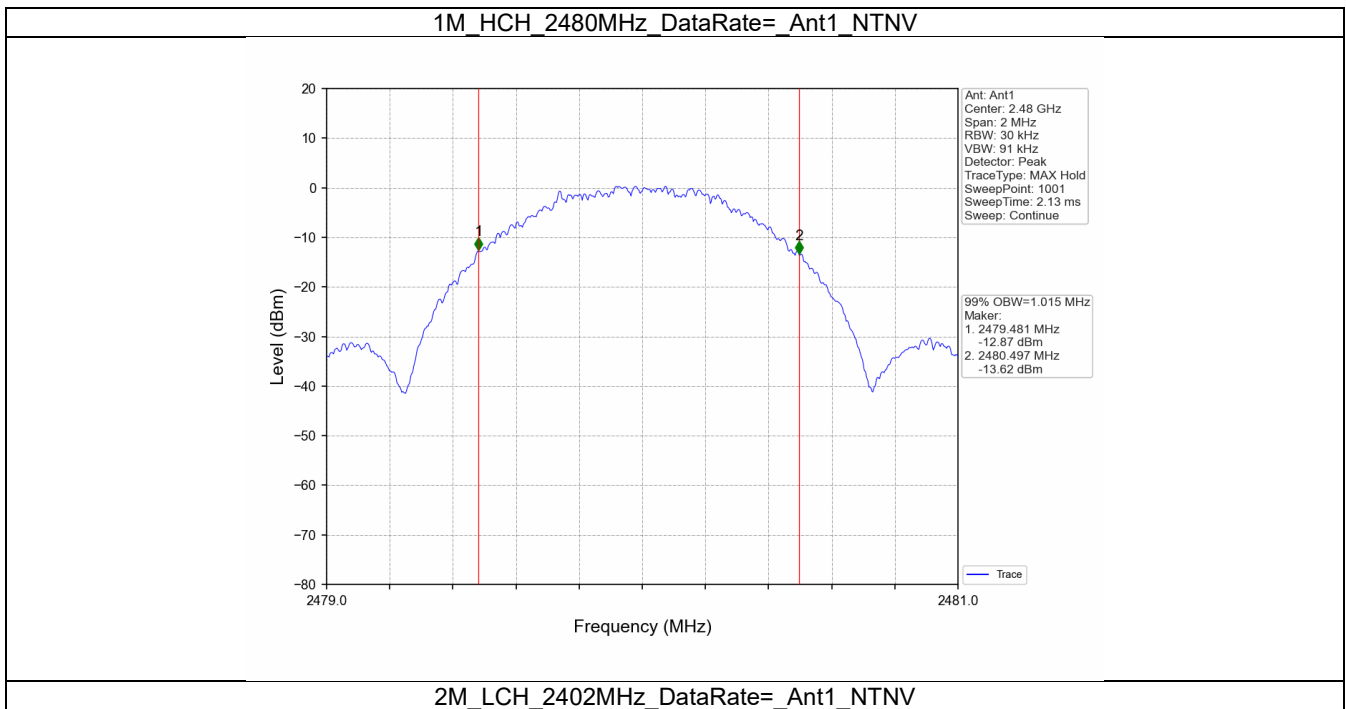
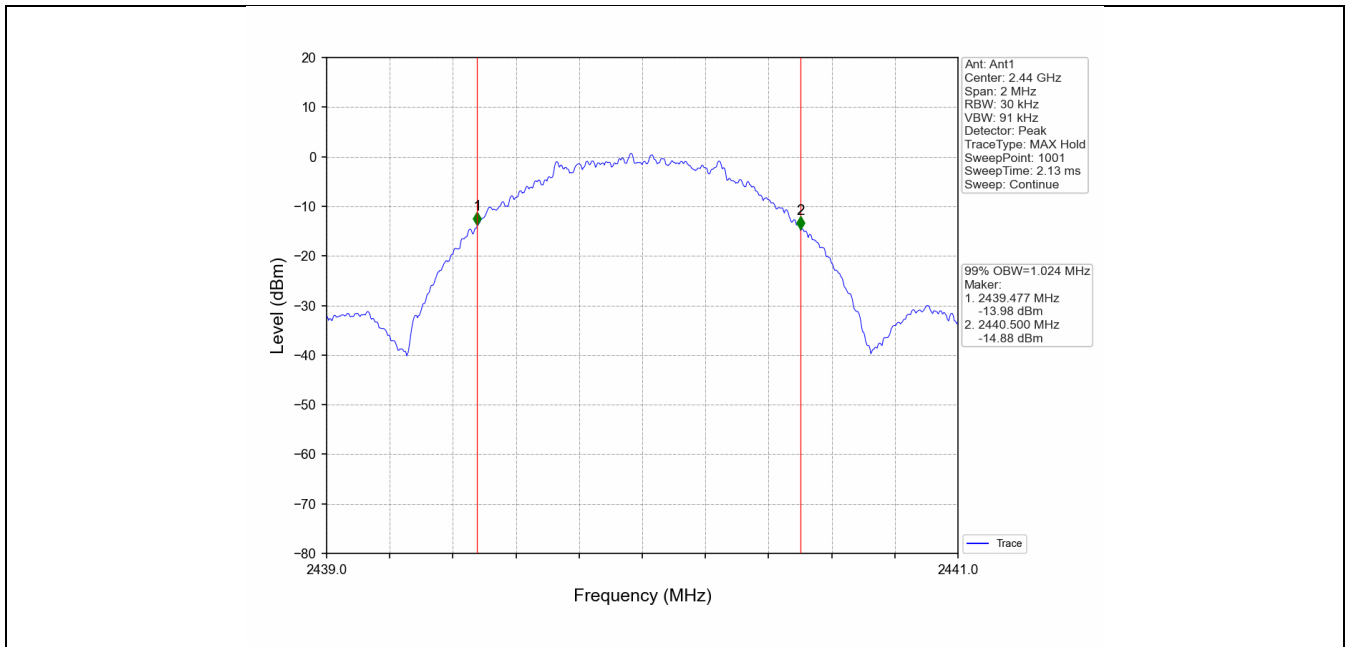
| Mode | TX Type | Frequency (MHz) | Ant | 99% Occupied Bandwidth (MHz) | Verdict |
|------|---------|-----------------|-----|------------------------------|---------|
| | | | | Result | |
| 1M | SISO | 2402 | 1 | 1.026 | Pass |
| | | 2440 | 1 | 1.024 | Pass |
| | | 2480 | 1 | 1.015 | Pass |
| 2M | SISO | 2402 | 1 | 2.037 | Pass |
| | | 2440 | 1 | 2.051 | Pass |
| | | 2480 | 1 | 2.029 | Pass |

2.1.2 Test Graph



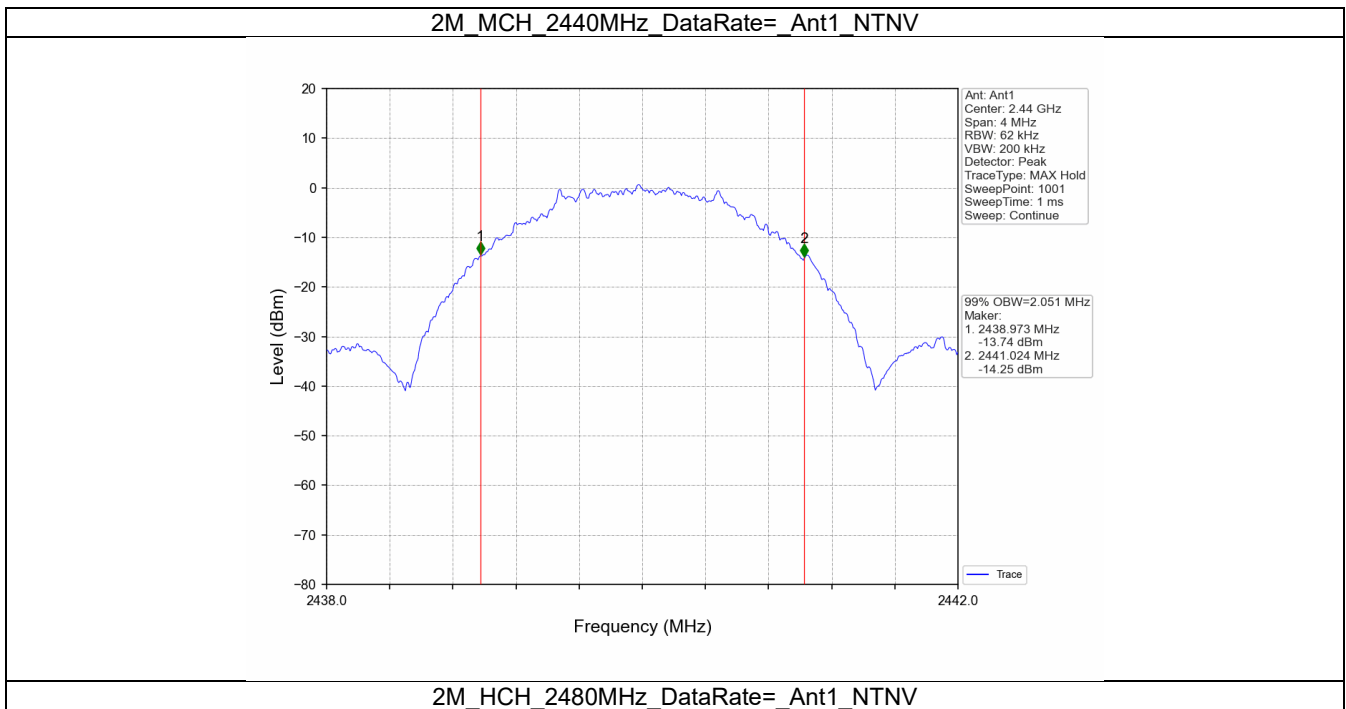
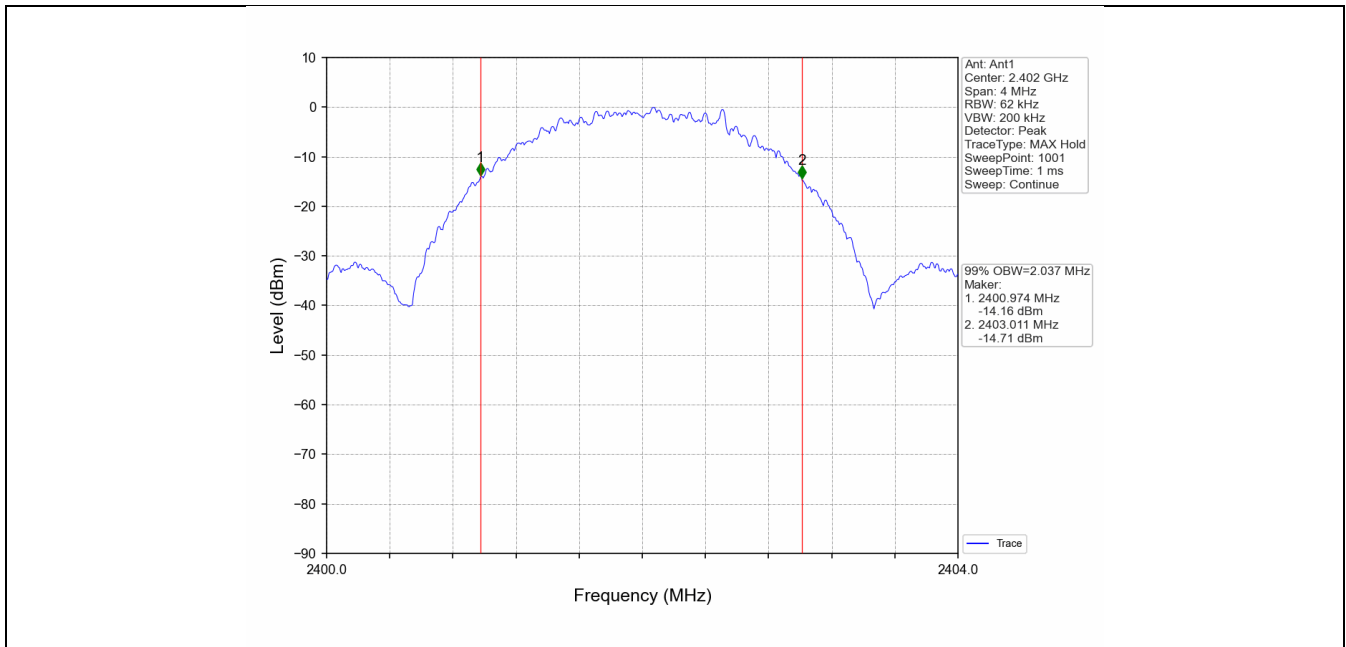
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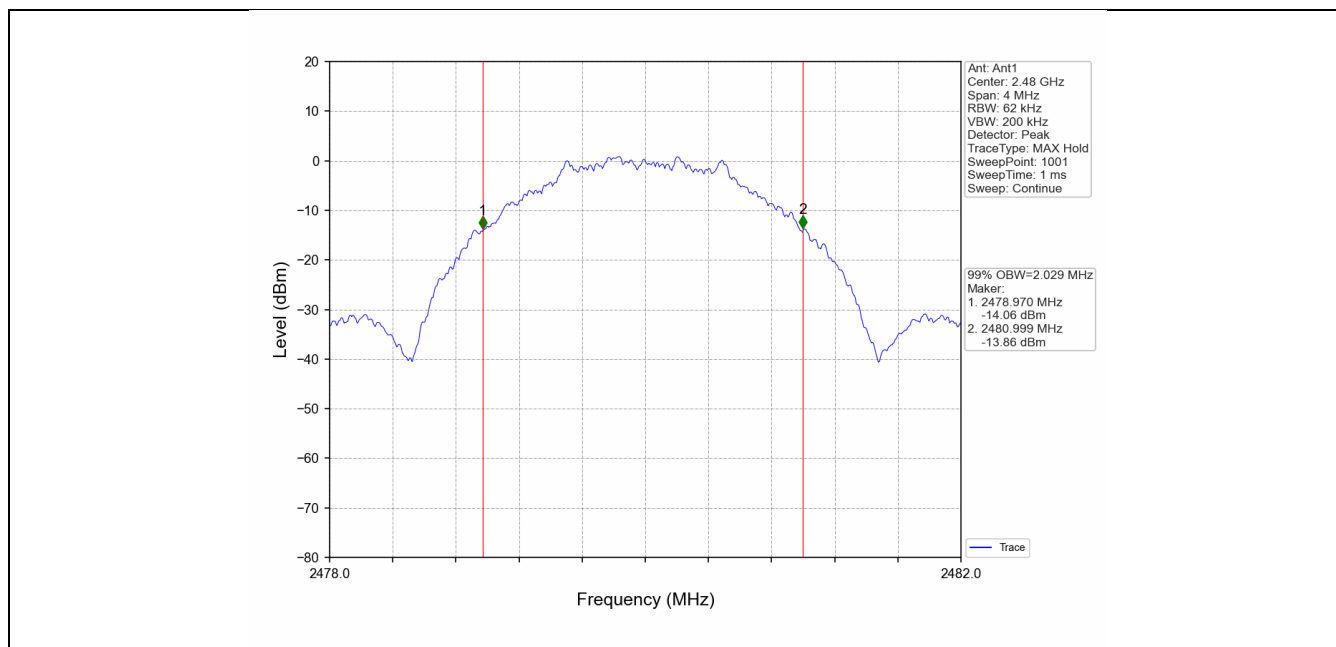
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2.2 6dB BW

2.2.1 Test Result

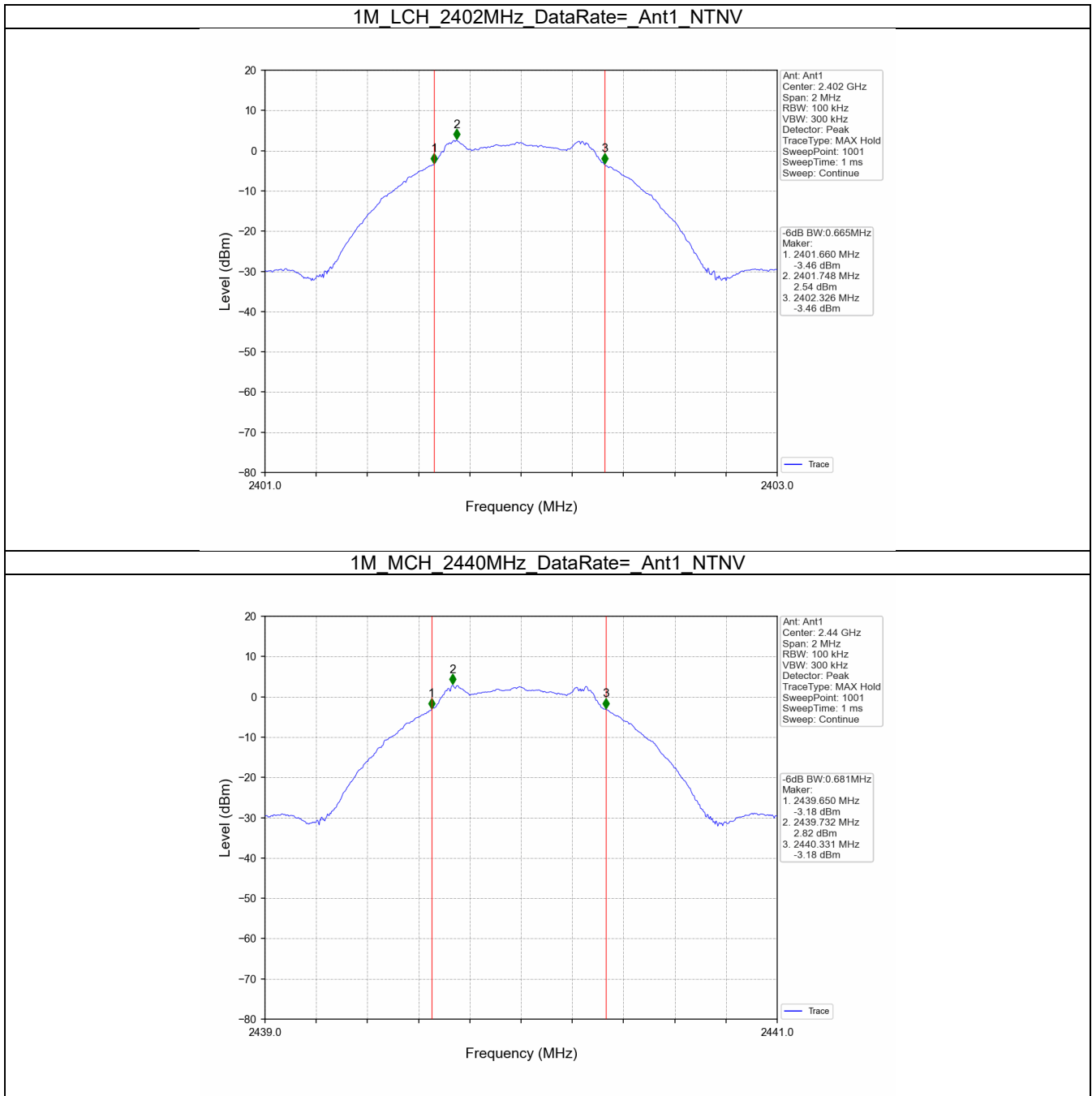
| Mode | TX Type | Frequency (MHz) | Ant | 6dB Bandwidth (MHz) | | Verdict |
|------|---------|-----------------|-----|---------------------|-------|---------|
| | | | | Result | Limit | |
| 1M | SISO | 2402 | 1 | 0.665 | >=0.5 | Pass |
| | | 2440 | 1 | 0.681 | >=0.5 | Pass |
| | | 2480 | 1 | 0.673 | >=0.5 | Pass |
| 2M | SISO | 2402 | 1 | 1.391 | >=0.5 | Pass |
| | | 2440 | 1 | 1.356 | >=0.5 | Pass |
| | | 2480 | 1 | 1.309 | >=0.5 | Pass |



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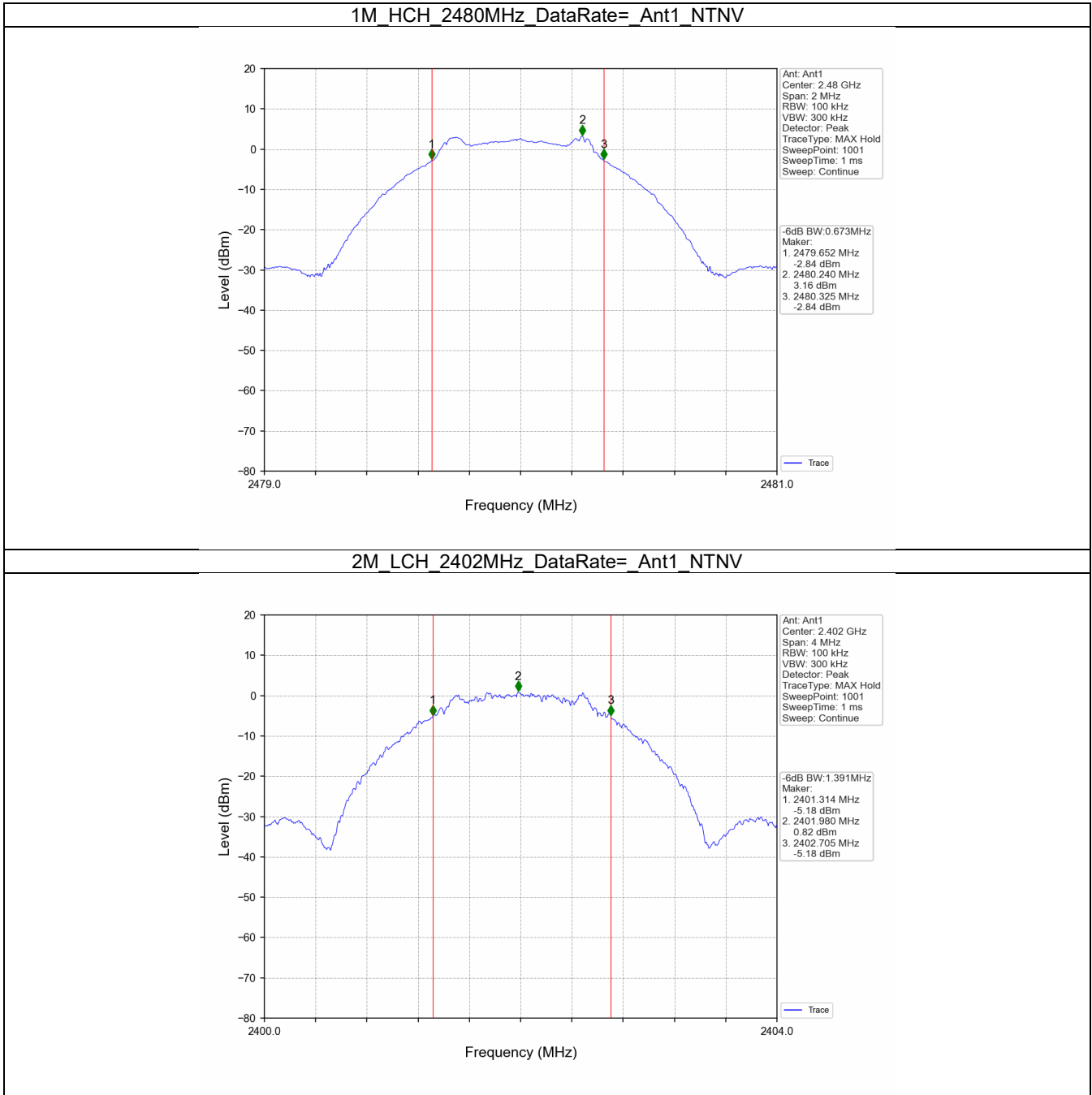
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2.2.2 Test Graph



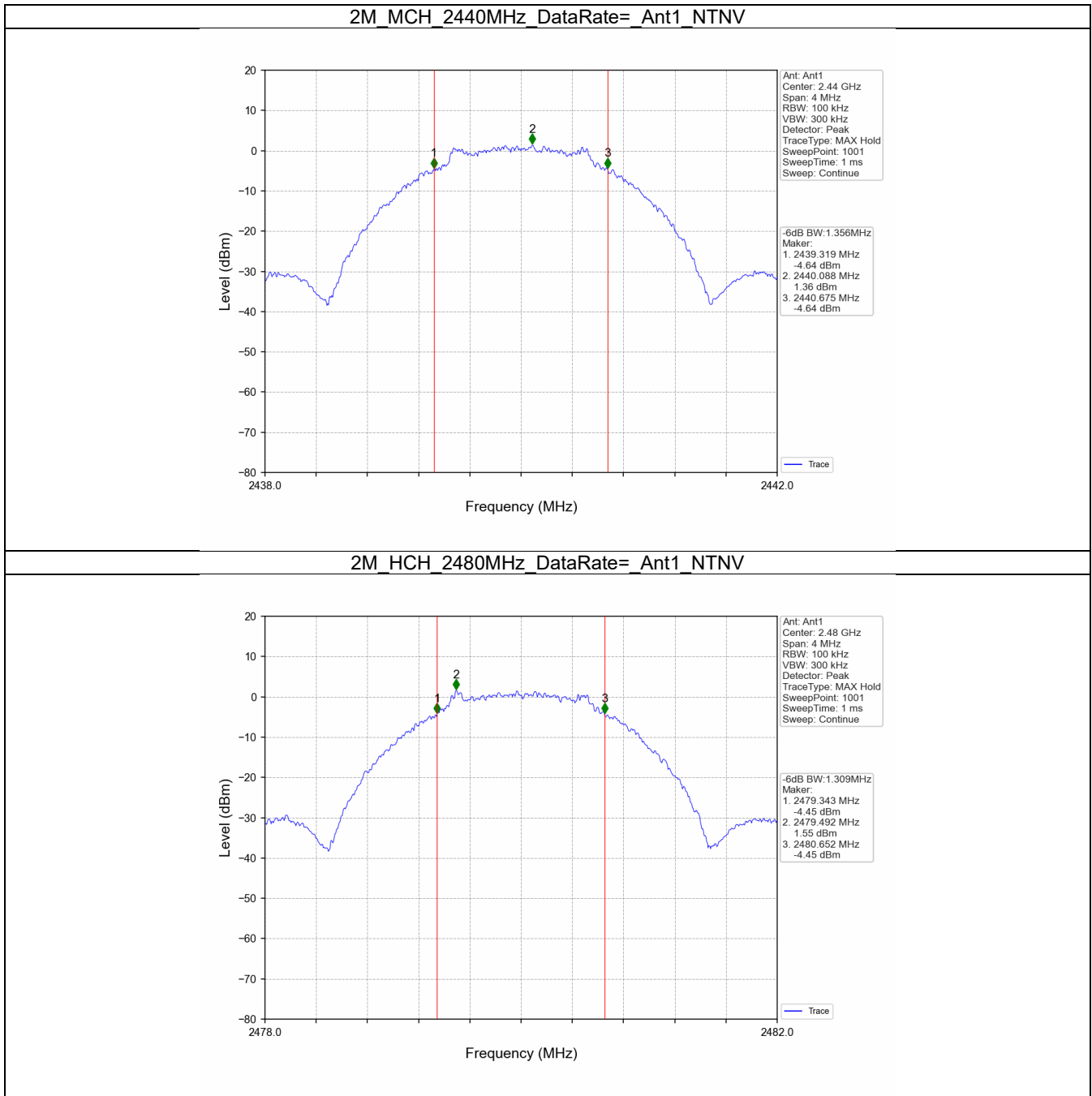
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3. Maximum Conducted Output Power

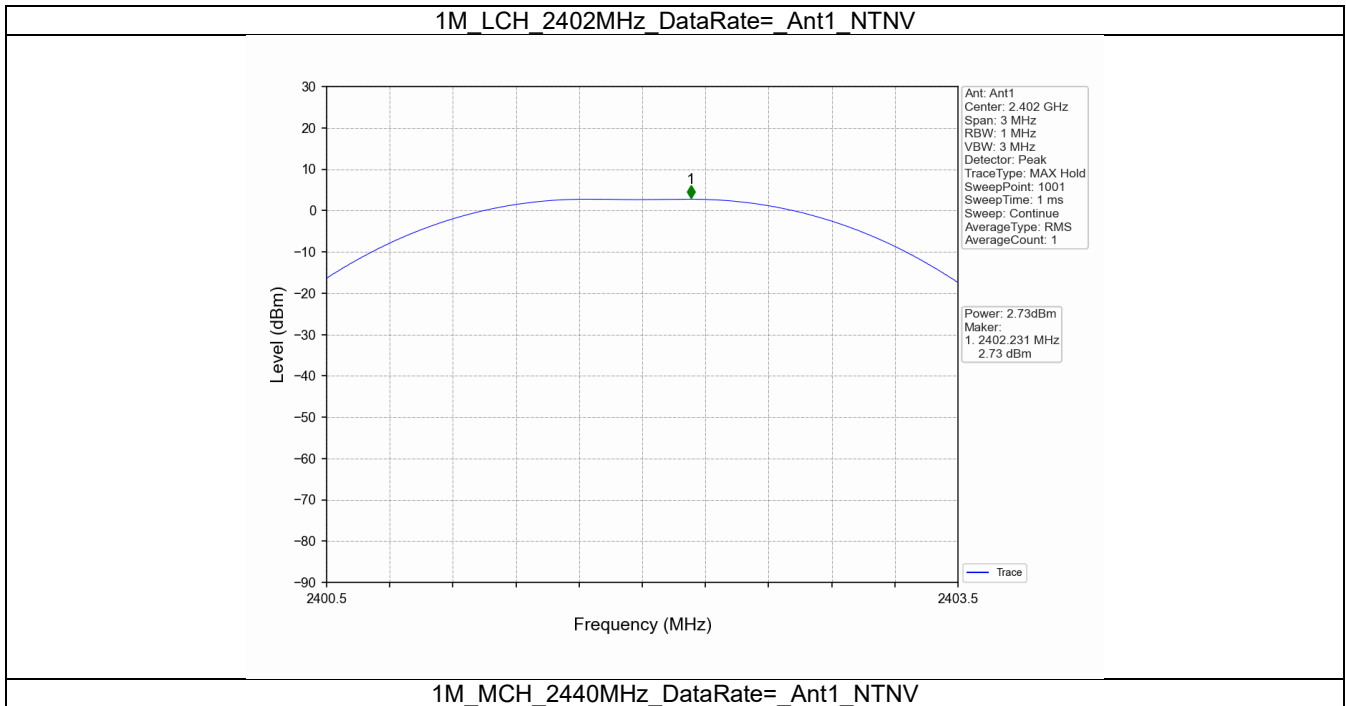
3.1 Power

3.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | Maximum Peak Conducted Output Power (dBm) | | Verdict |
|------|---------|-----------------|---|-------|---------|
| | | | Ant1 | Limit | |
| 1M | SISO | 2402 | 2.73 | <=30 | Pass |
| | | 2440 | 3.09 | <=30 | Pass |
| | | 2480 | 3.30 | <=30 | Pass |
| 2M | SISO | 2402 | 2.66 | <=30 | Pass |
| | | 2440 | 3.08 | <=30 | Pass |
| | | 2480 | 3.15 | <=30 | Pass |

Note1: Antenna Gain: Ant1: 0.00dBi;

3.1.2 Test Graph

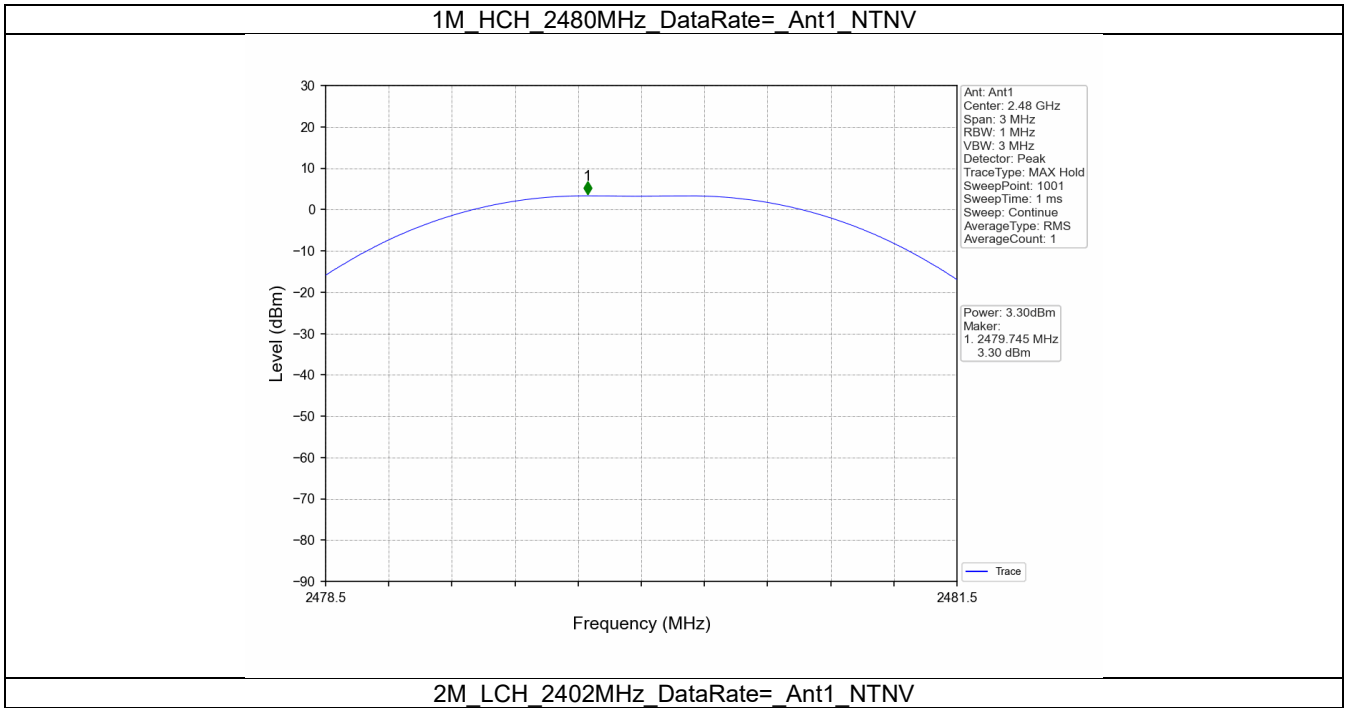
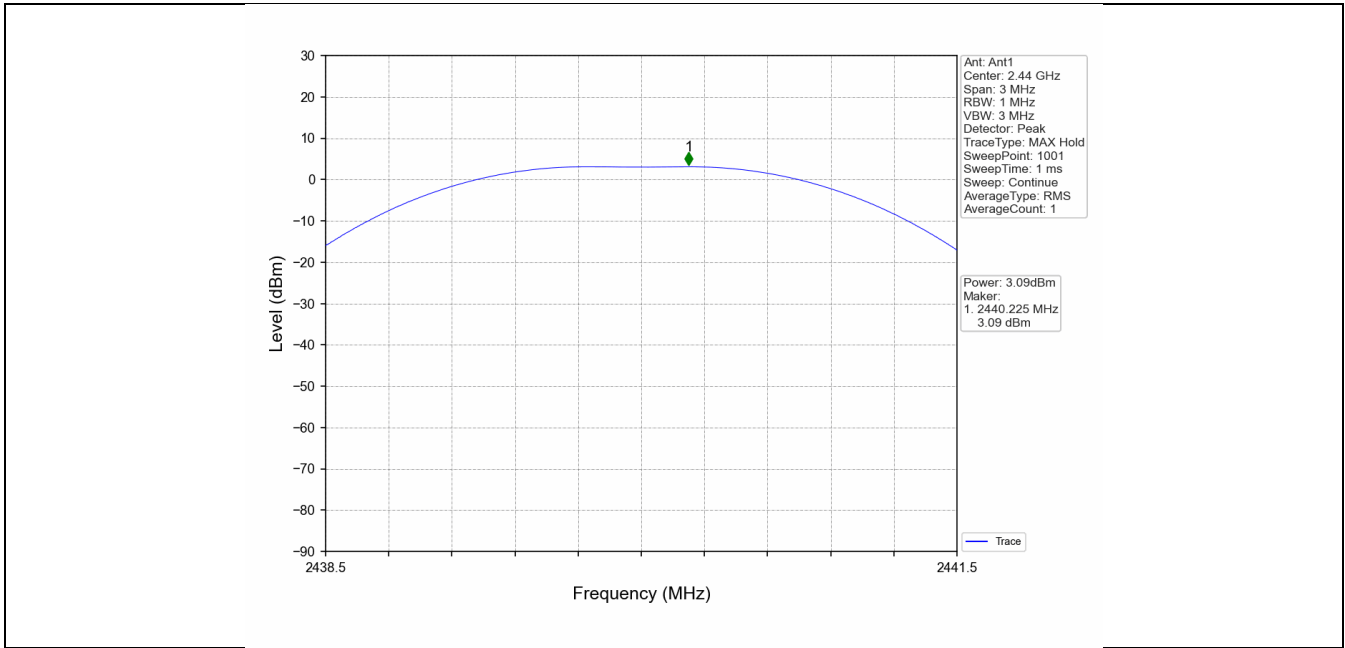


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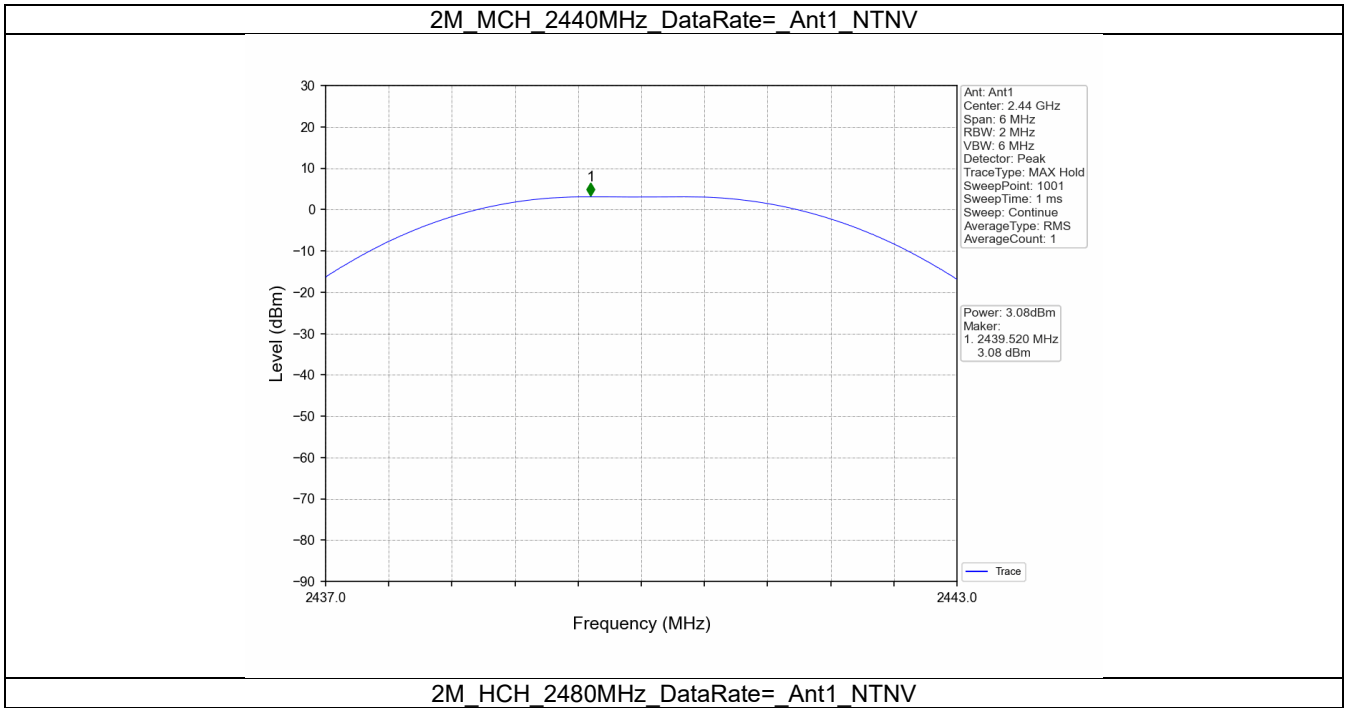
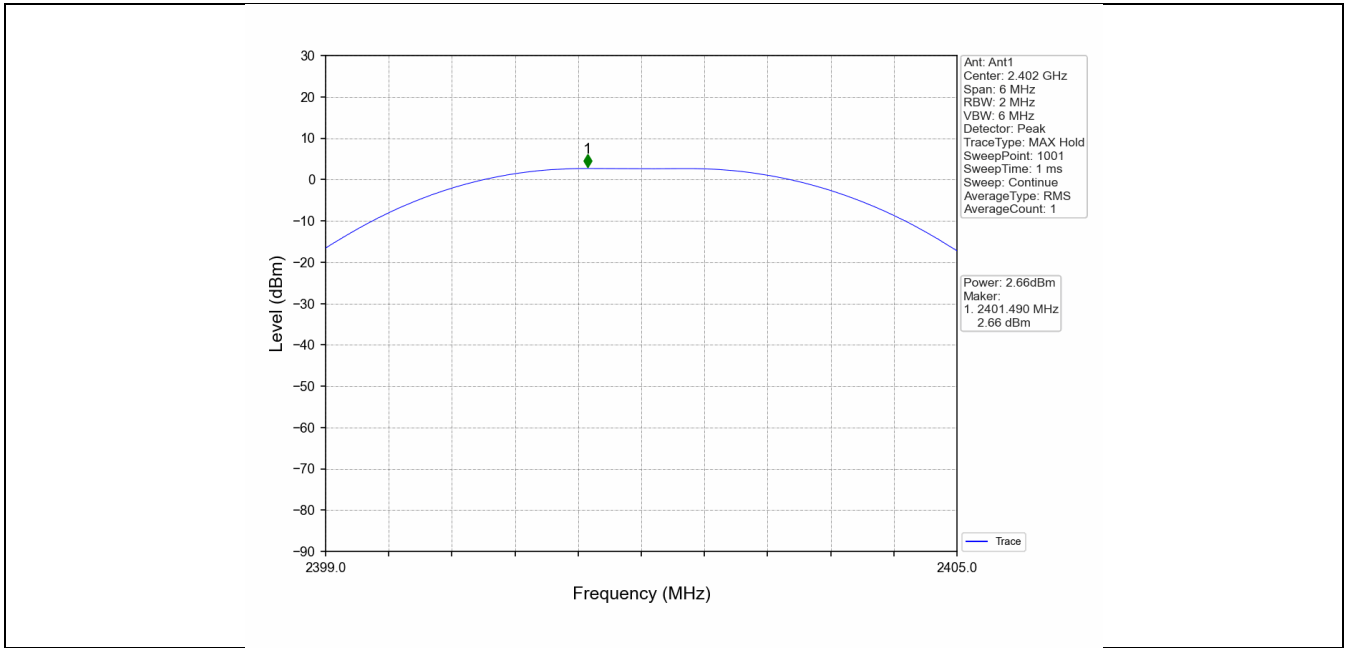
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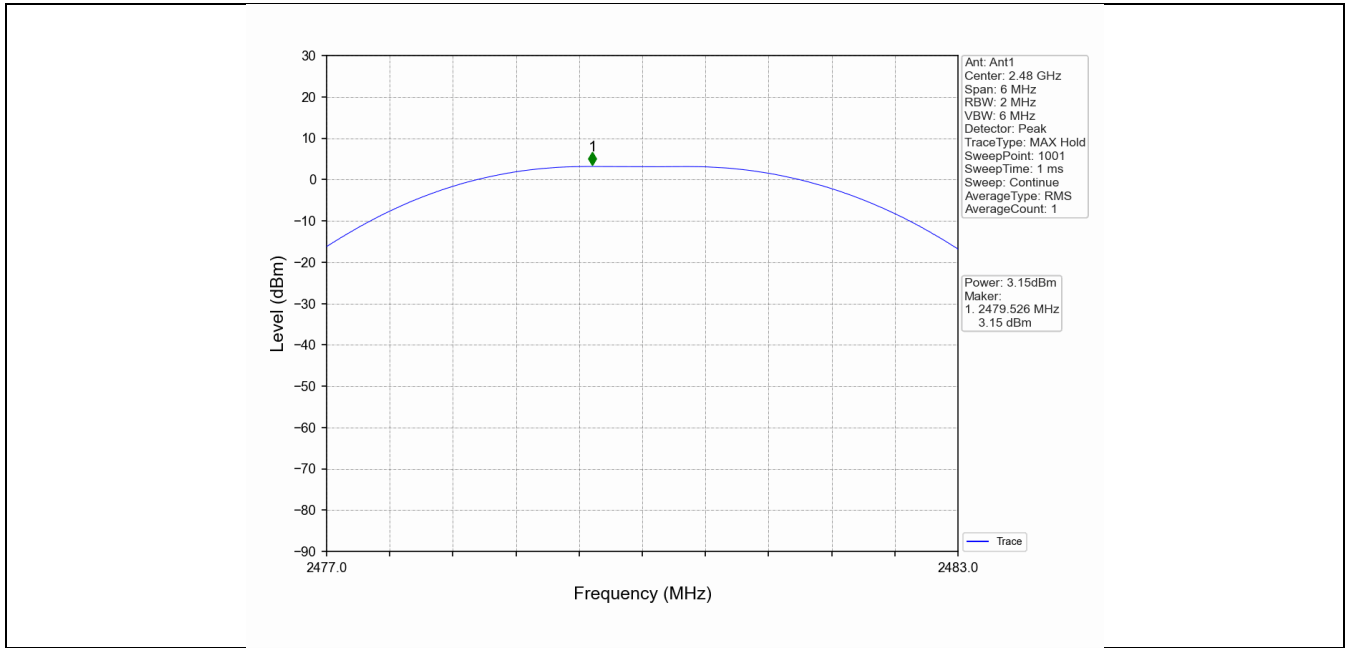
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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) | | Verdict |
|------|---------|-----------------|------------------------|-------|---------|
| | | | Ant1 | Limit | |
| 1M | SISO | 2402 | -7.63 | <=8 | Pass |
| | | 2440 | -6.84 | <=8 | Pass |
| | | 2480 | -7.30 | <=8 | Pass |
| 2M | SISO | 2402 | -11.59 | <=8 | Pass |
| | | 2440 | -10.99 | <=8 | Pass |
| | | 2480 | -9.68 | <=8 | Pass |

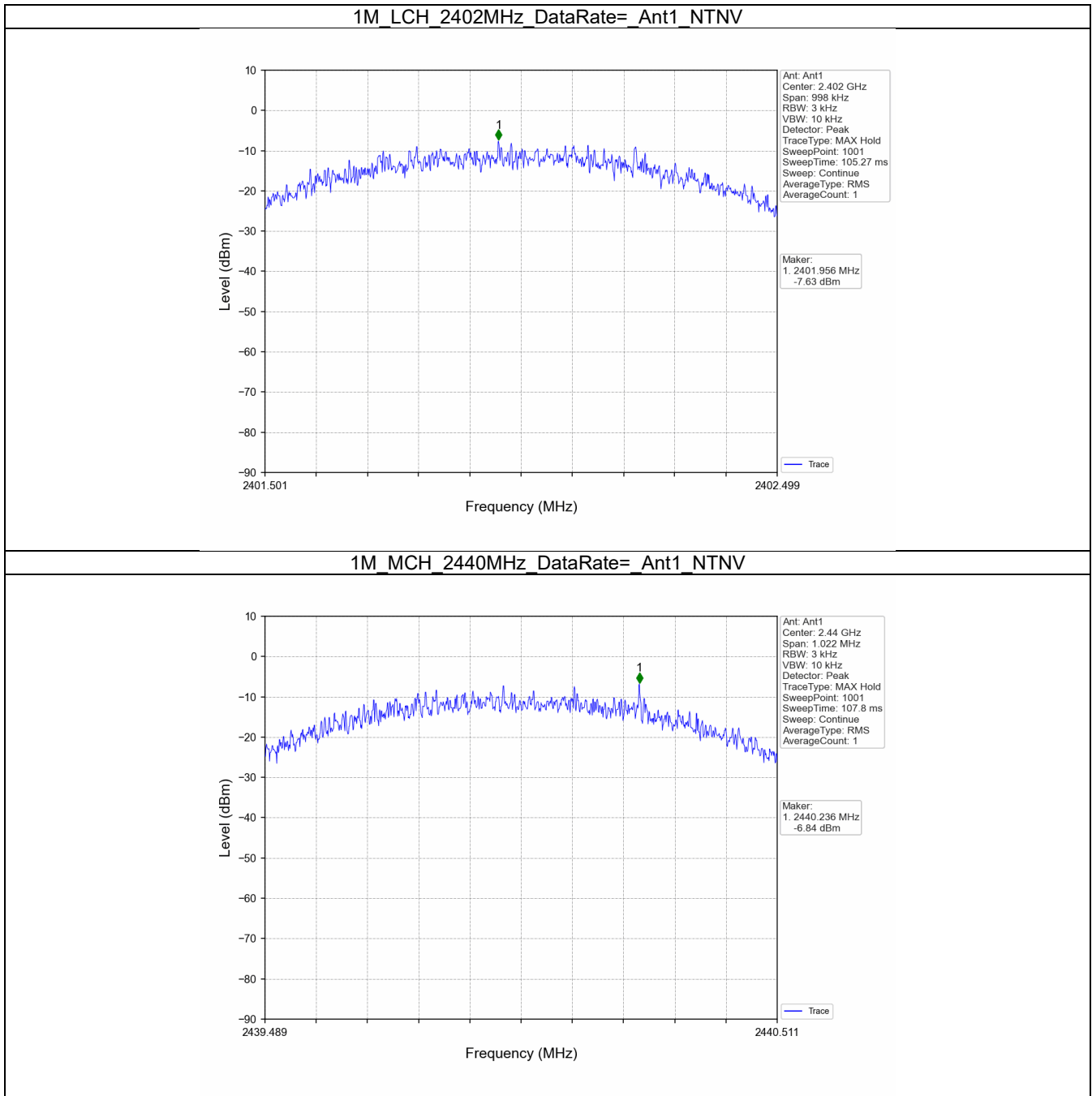
Note1: Antenna Gain: Ant1: 0.00dBi;



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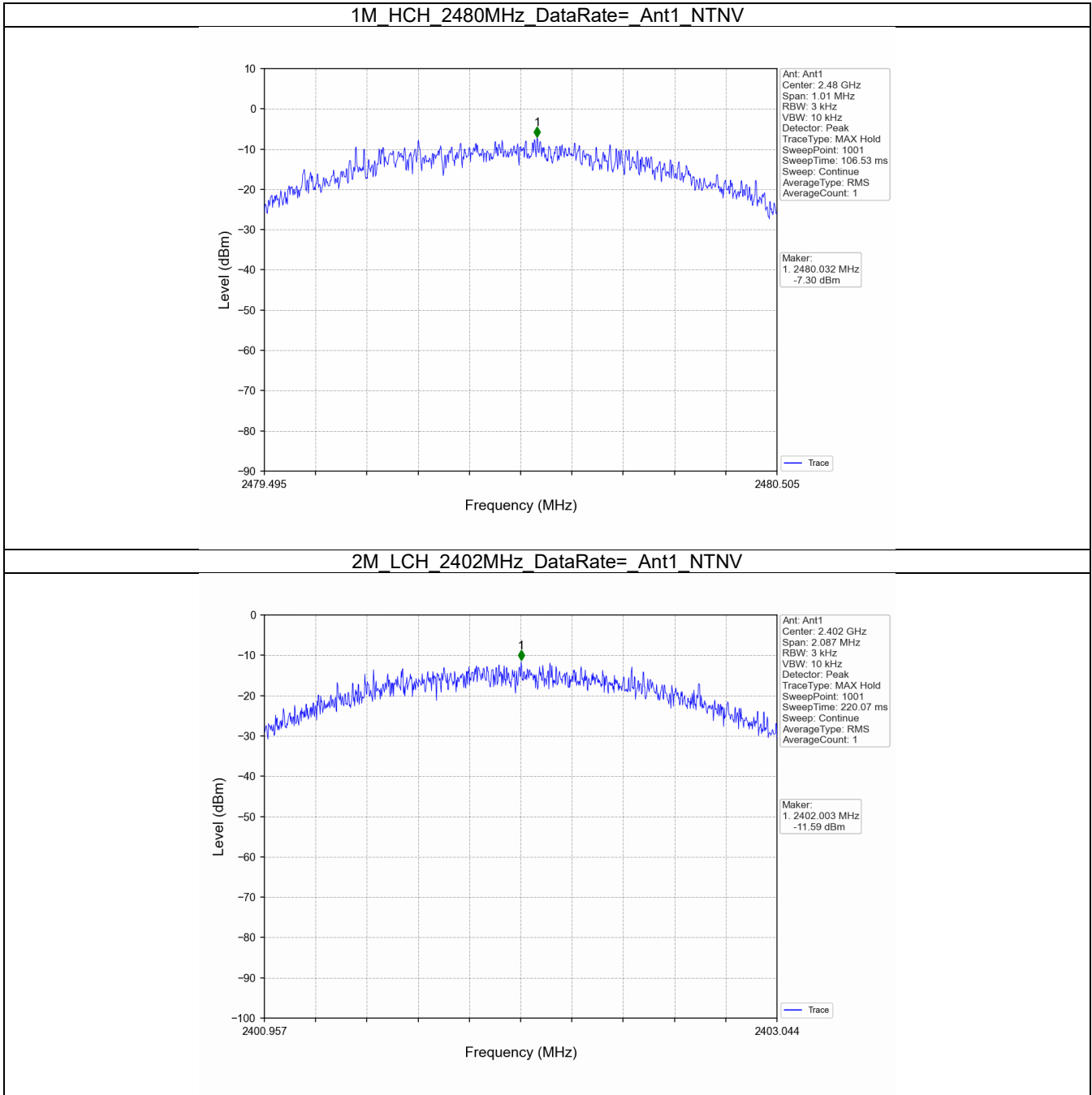
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4.1.2 Test Graph



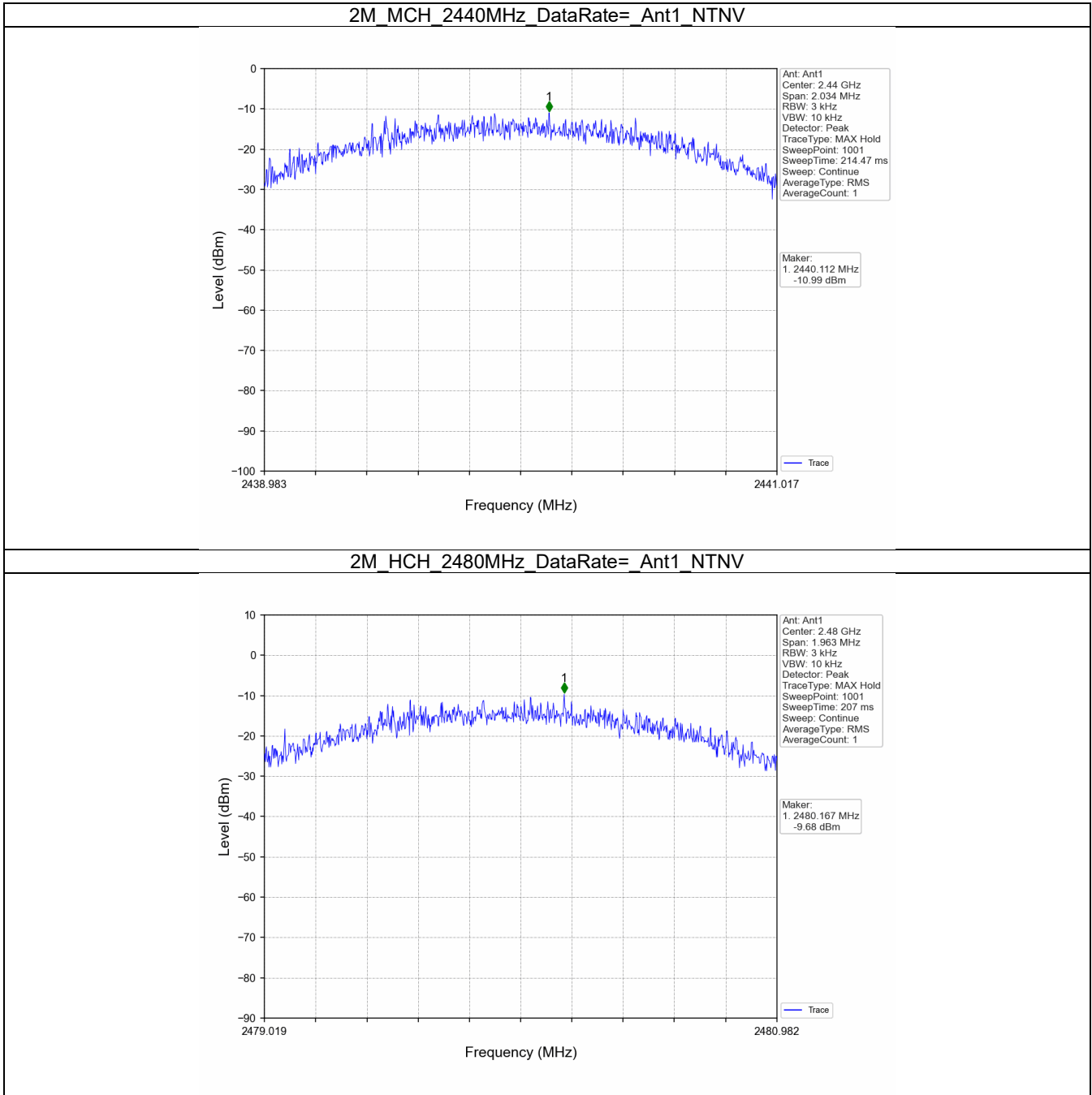
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5. Unwanted Emissions In Non-restricted Frequency Bands

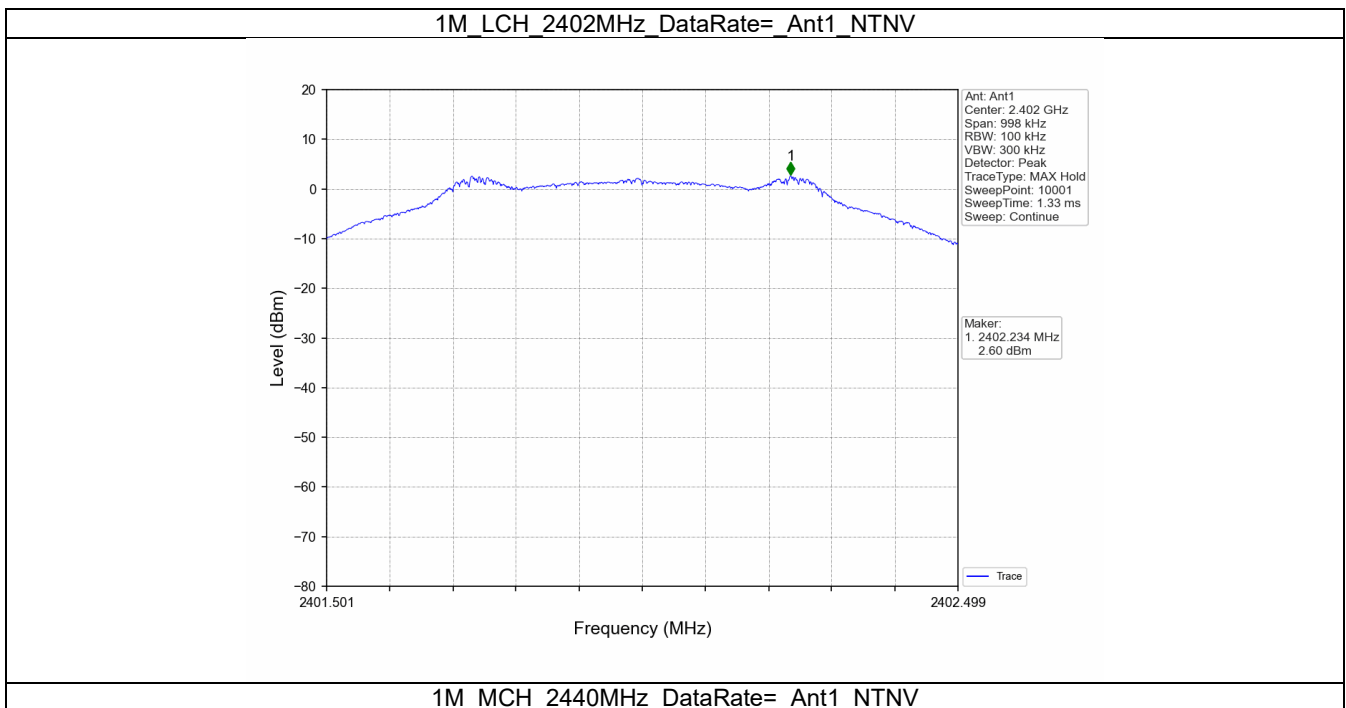
5.1 Ref

5.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | Ant | Level of Reference (dBm) |
|------|---------|-----------------|-----|--------------------------|
| 1M | SISO | 2402 | 1 | 2.60 |
| | | 2440 | 1 | 2.95 |
| | | 2480 | 1 | 3.01 |
| 2M | SISO | 2402 | 1 | 1.28 |
| | | 2440 | 1 | 1.49 |
| | | 2480 | 1 | 1.64 |

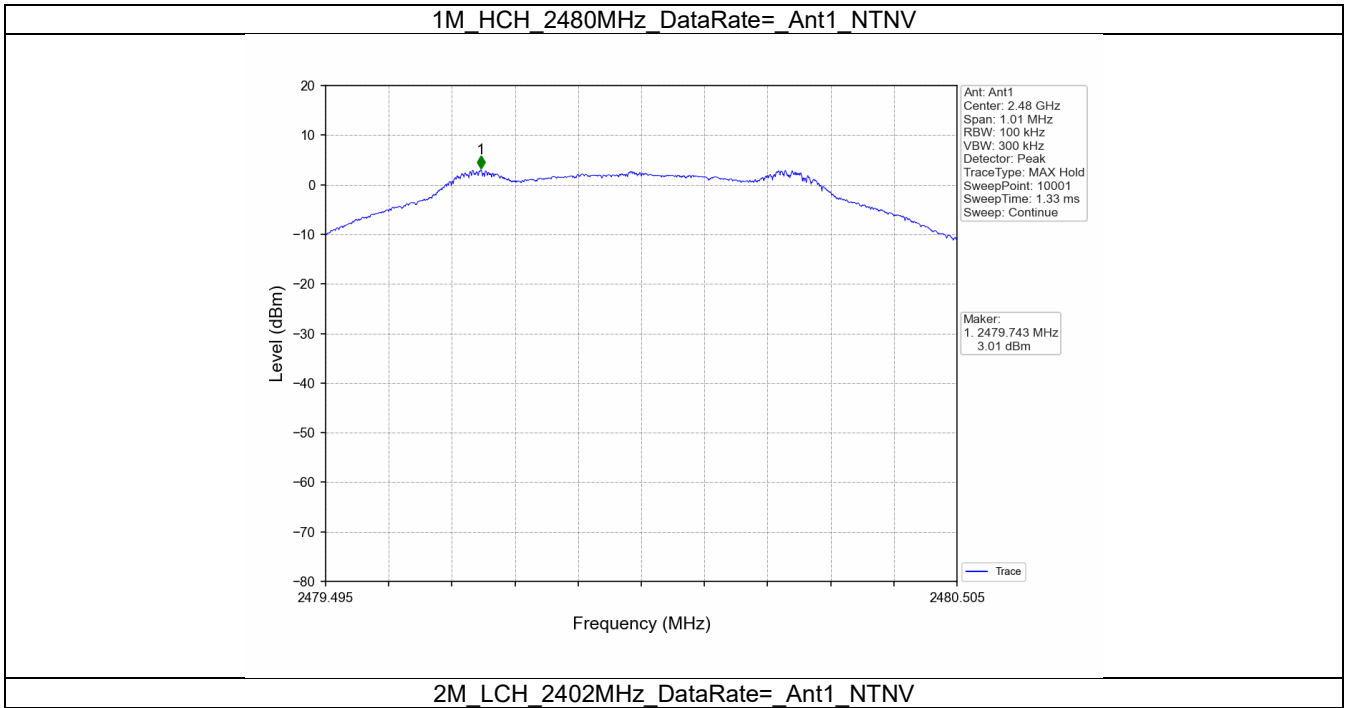
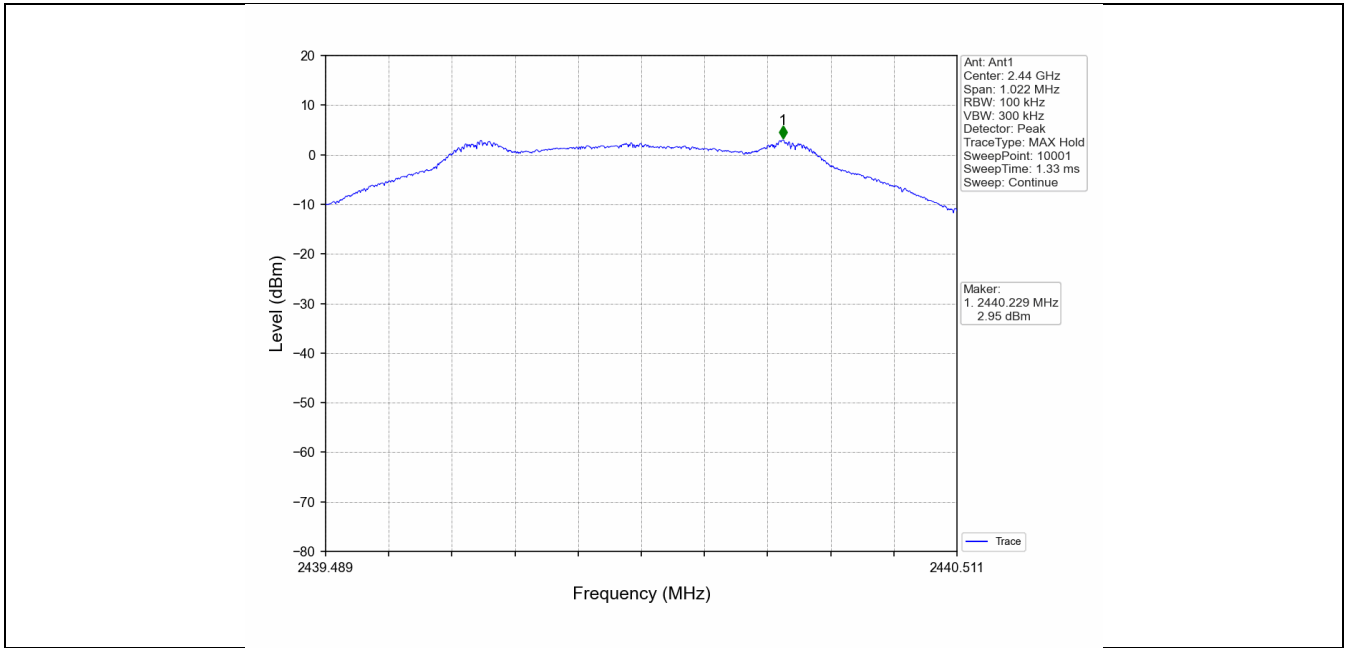
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

5.1.2 Test Graph



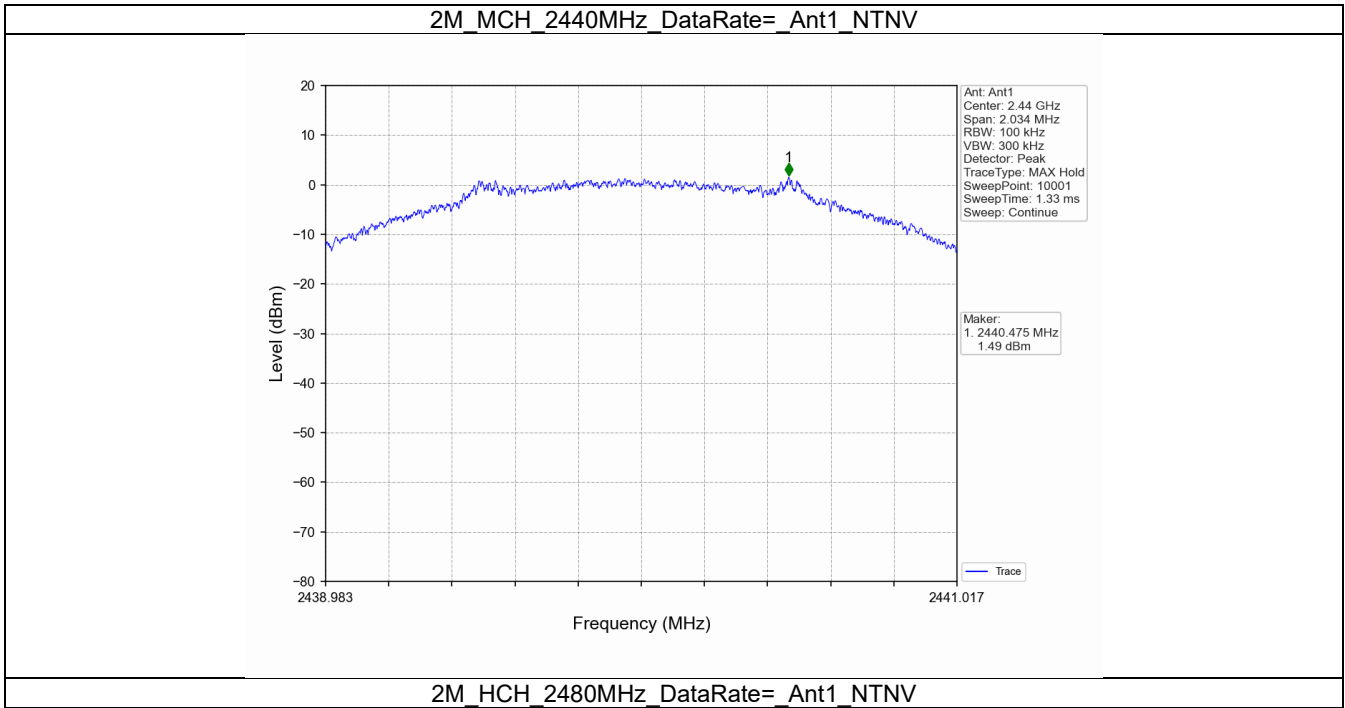
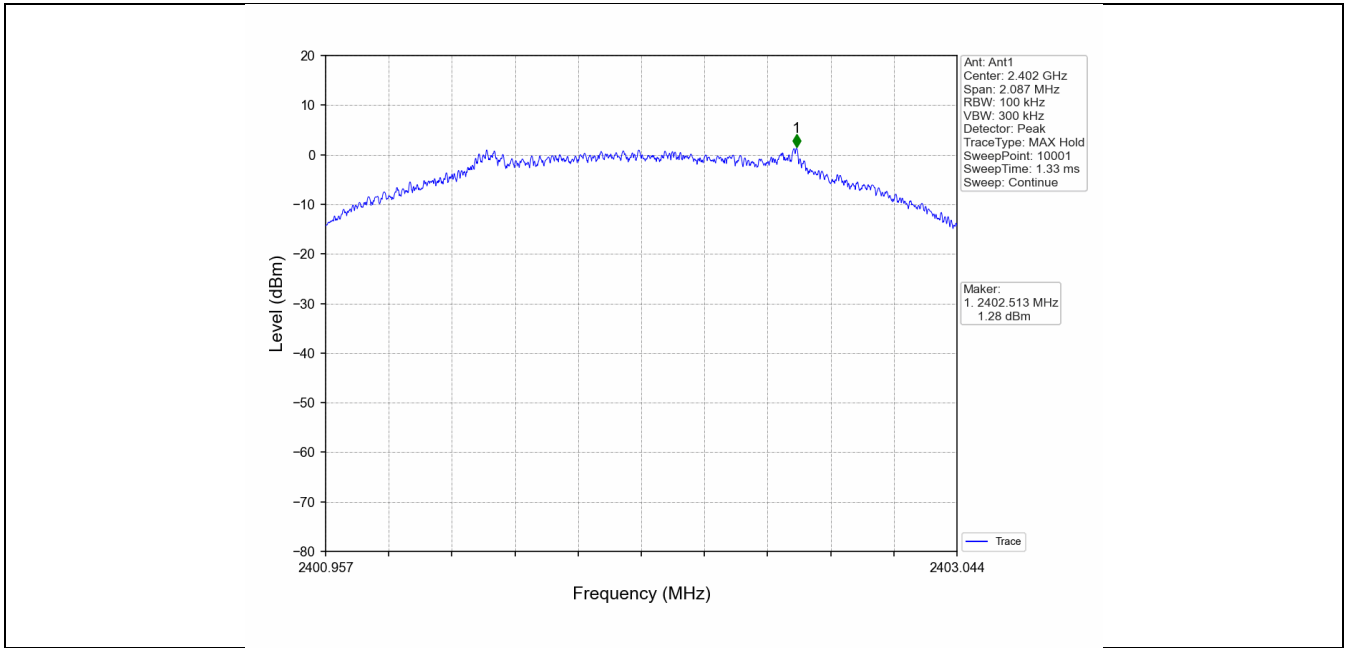
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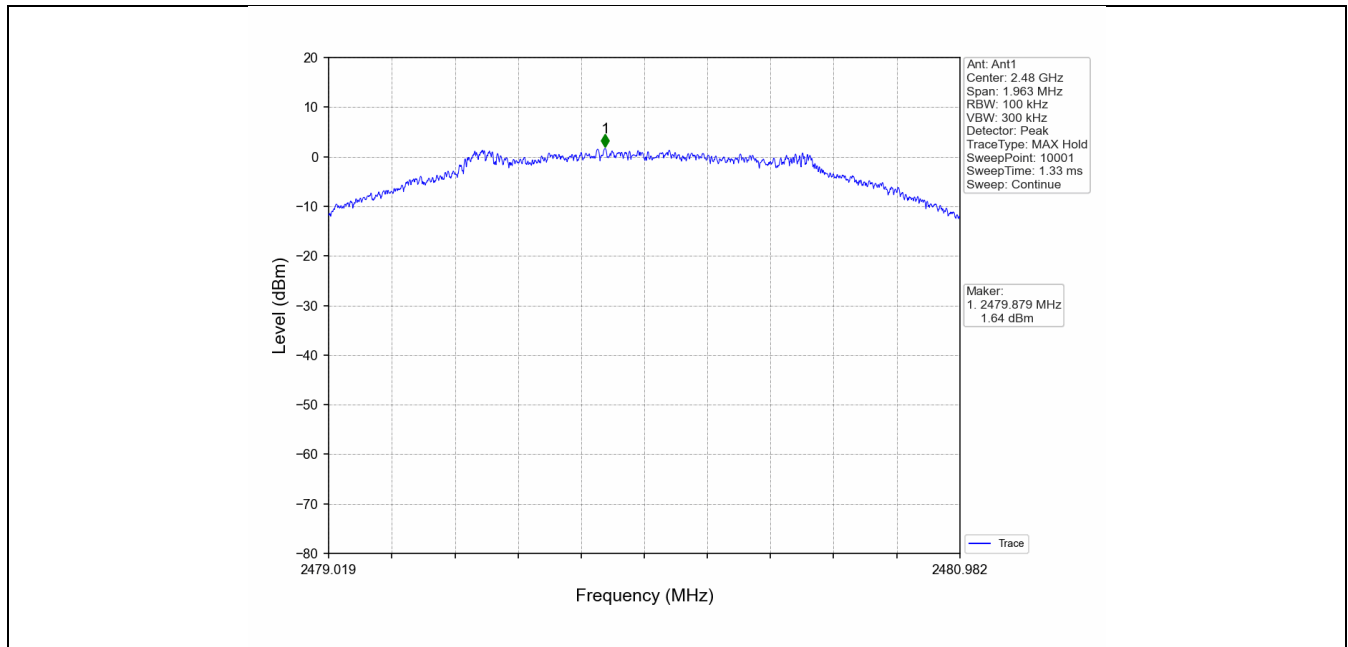
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5.2 CSE

5.2.1 Test Result

| Mode | TX Type | Frequency (MHz) | Ant | Level of Reference (dBm) | Limit (dBm) | Verdict |
|------|---------|-----------------|-----|--------------------------|-------------|---------|
| 1M | SISO | 2402 | 1 | 3.01 | -16.99 | Pass |
| | | 2440 | 1 | 3.01 | -16.99 | Pass |
| | | 2480 | 1 | 3.01 | -16.99 | Pass |
| 2M | SISO | 2402 | 1 | 1.64 | -18.36 | Pass |
| | | 2440 | 1 | 1.64 | -18.36 | Pass |
| | | 2480 | 1 | 1.64 | -18.36 | Pass |

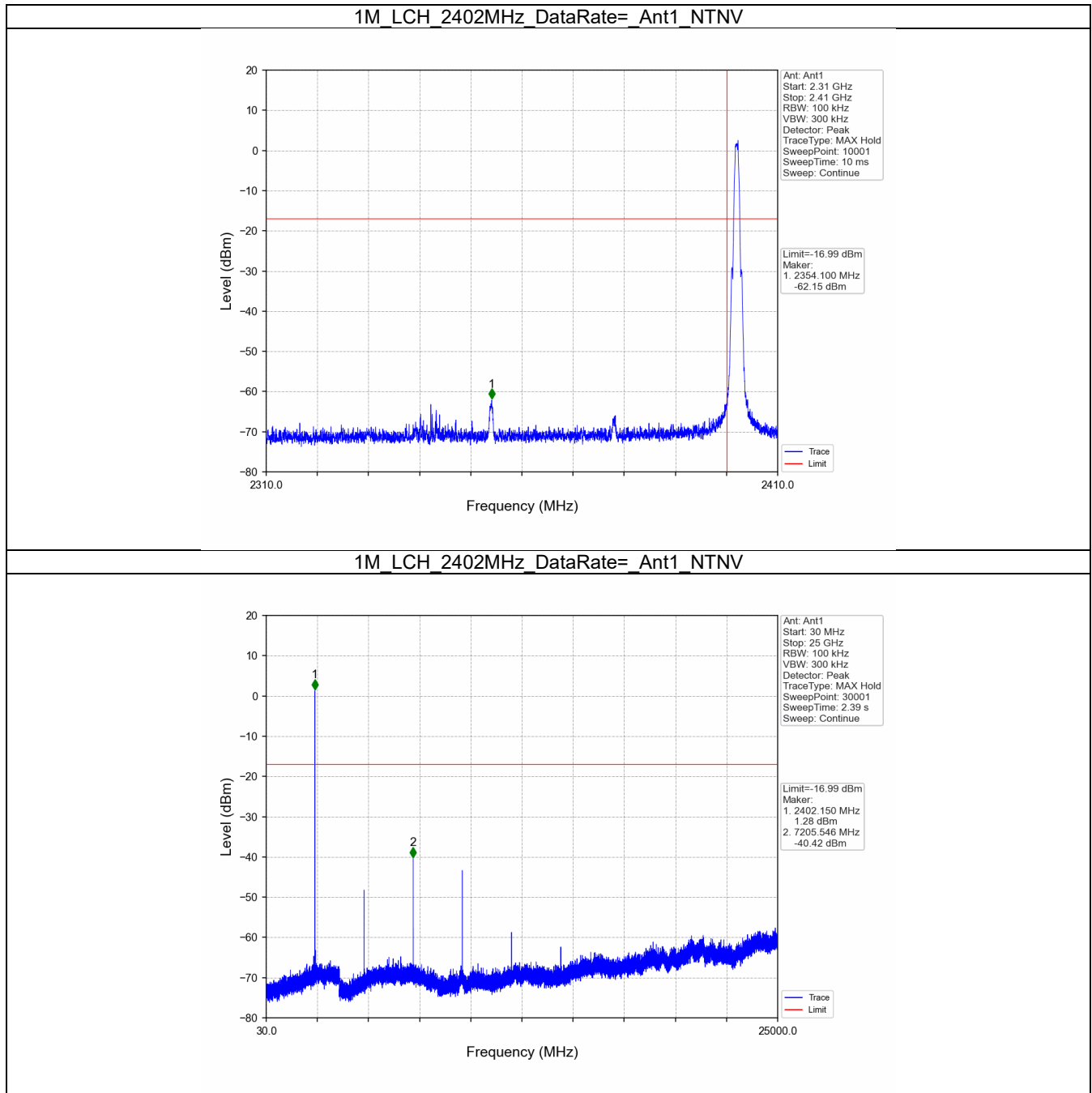
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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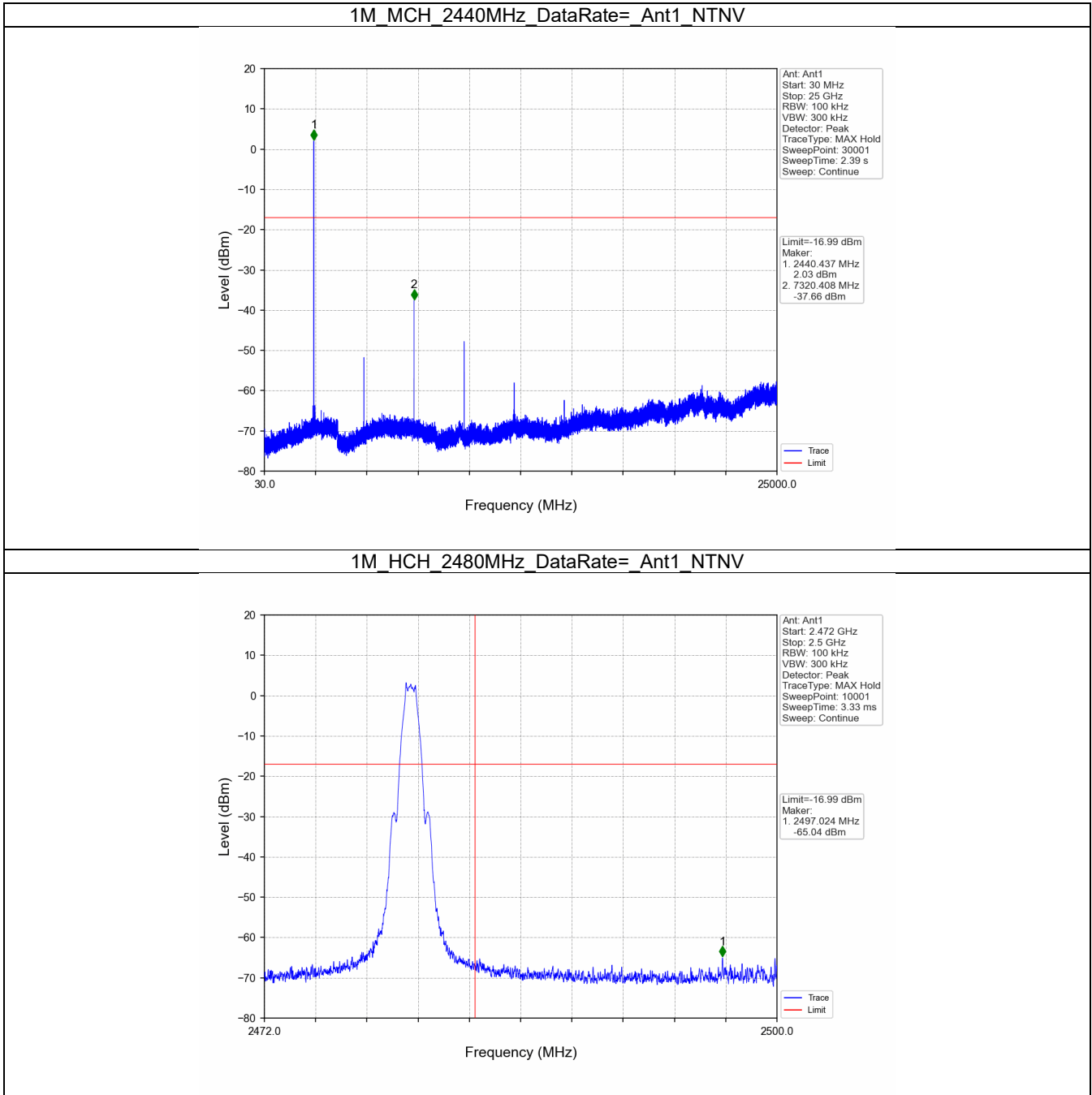
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5.2.2 Test Graph



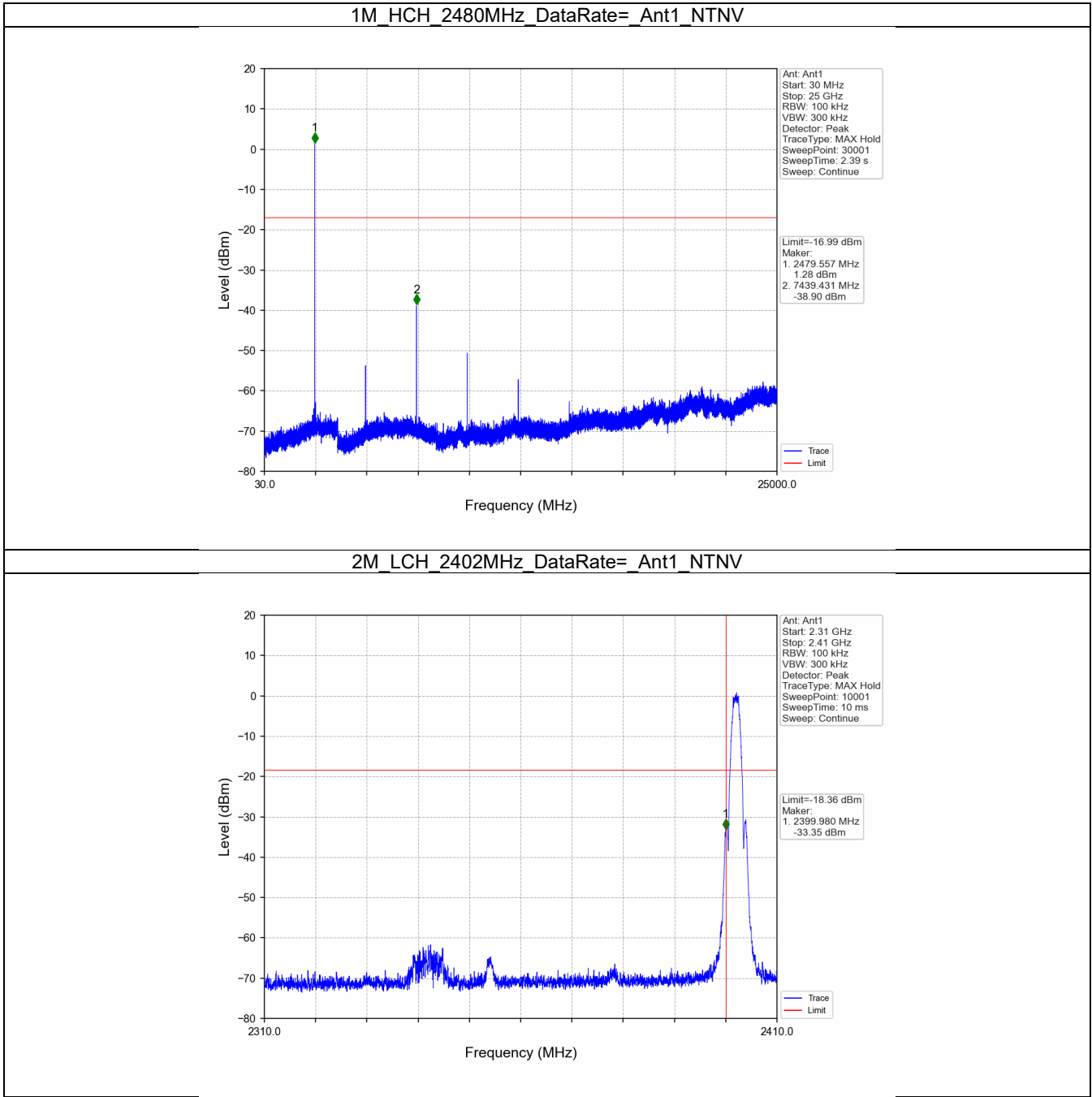
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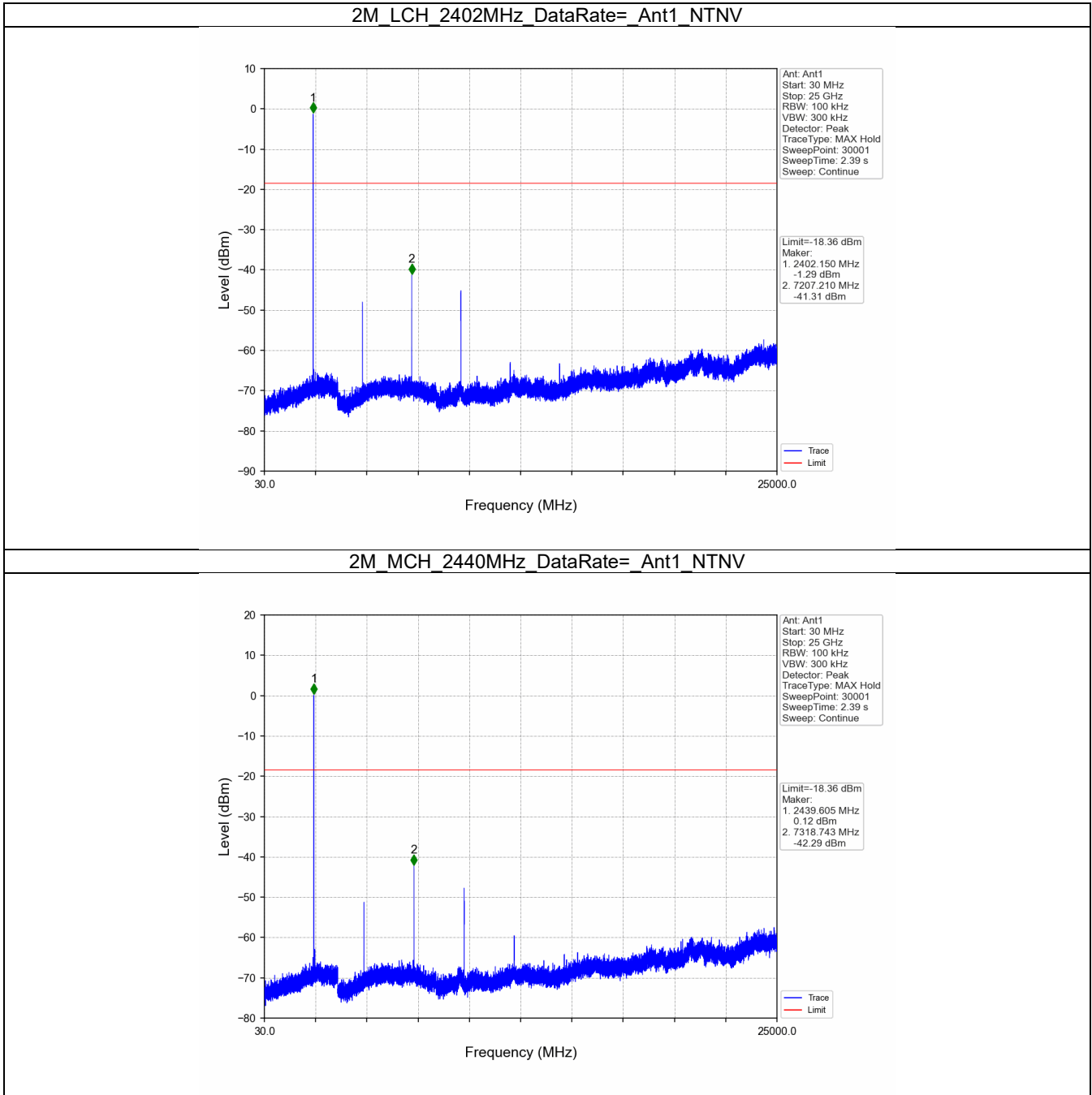
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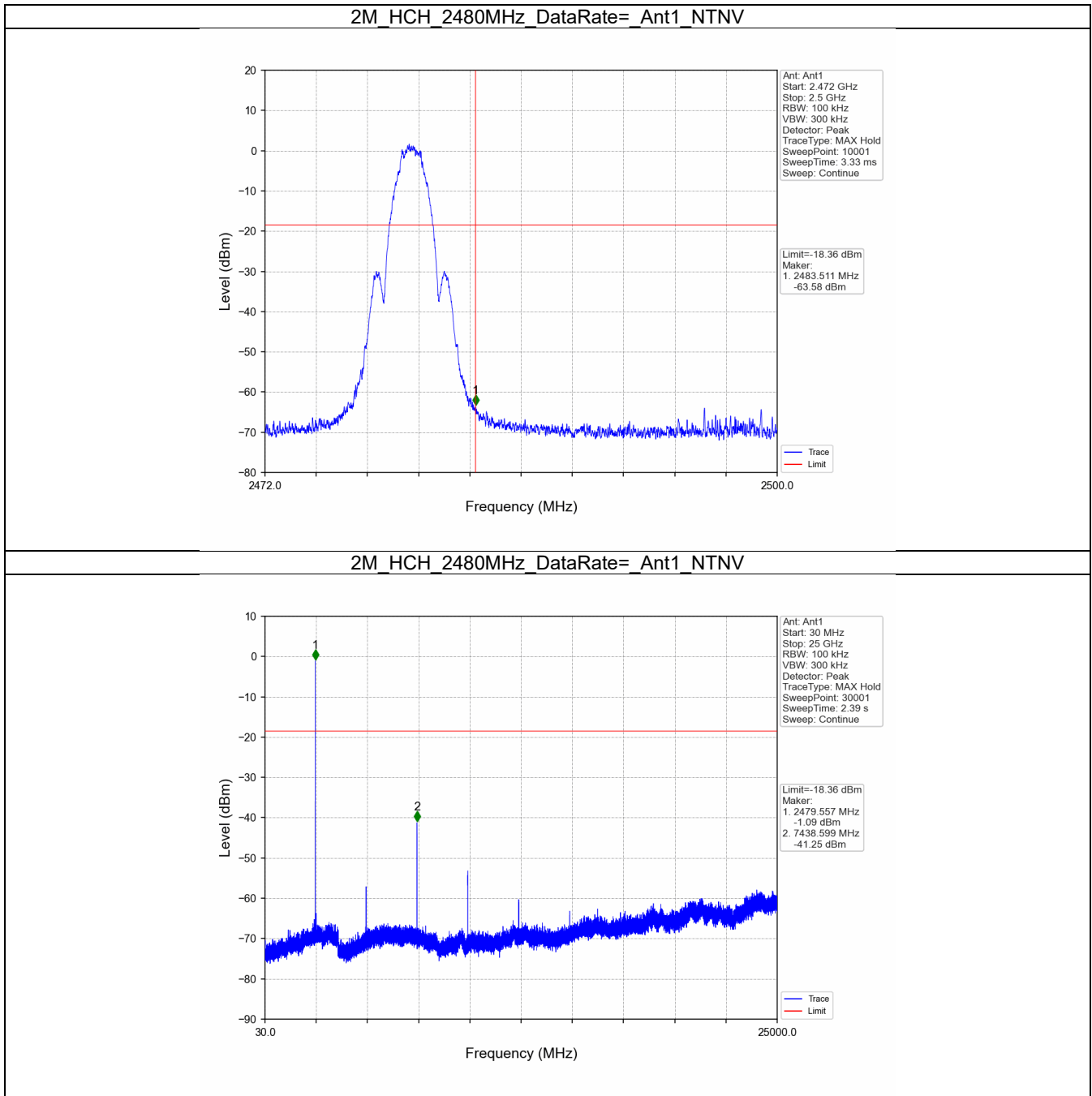
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