

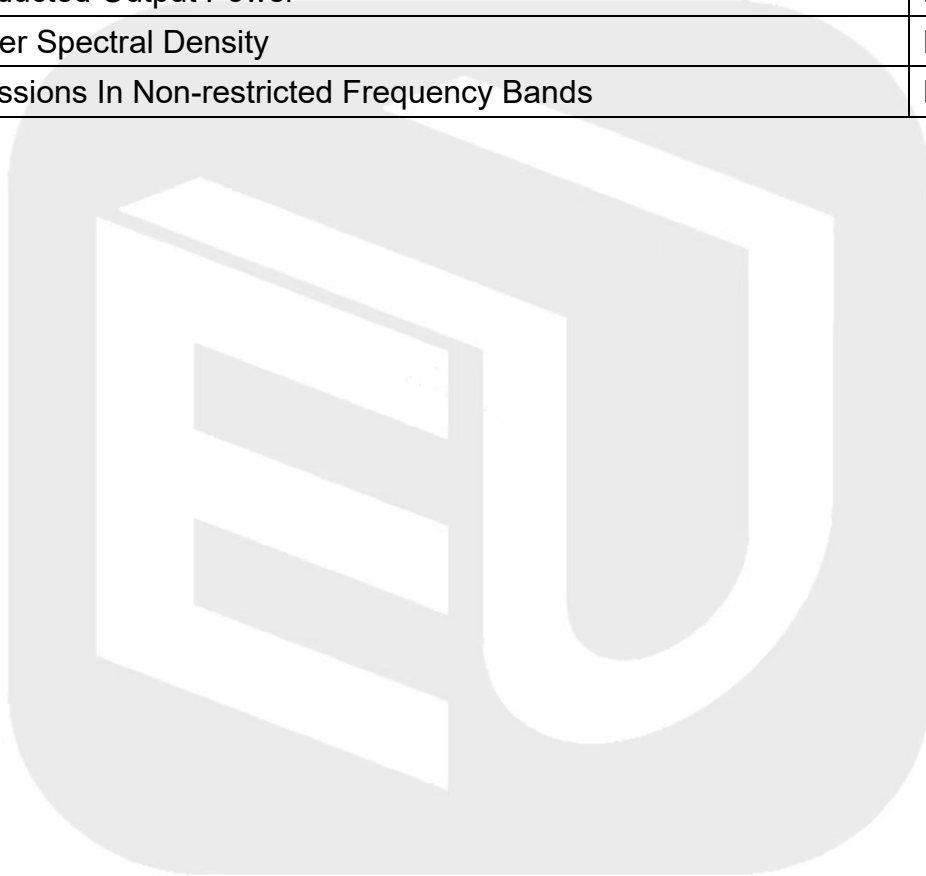
ANNEX D TEST DATA

For

| | |
|----------------|---|
| Project No.: | 8229EU012904W |
| Client: | Guangzhou Boju Information Technology Co.,Ltd |
| Product Name: | Pure sine wave inverter |
| Model No.: | BV122000 |
| FCC ID: | 2BBH5-BV122000 |
| Technology: | Bluetooth BLE |
| Test Engineer: | <i>Mikoy zhu</i> |
| Test Date: | 2024-06-22 |

Test Summary

| Item | Result |
|--|--------|
| Duty Cycle | Pass |
| Bandwidth | Pass |
| Maximum Conducted Output Power | Pass |
| Maximum Power Spectral Density | Pass |
| Unwanted Emissions In Non-restricted Frequency Bands | Pass |



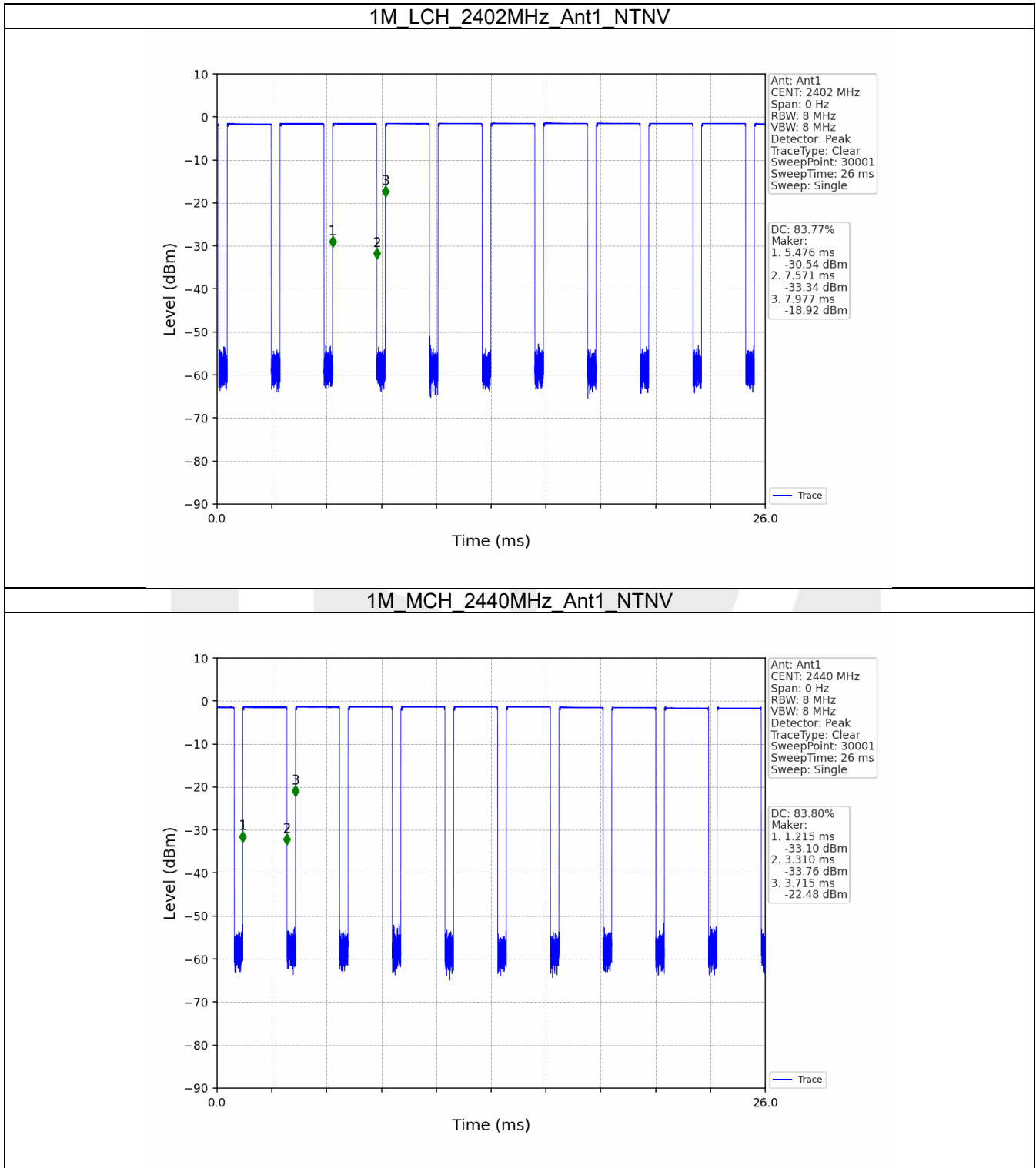
1. Duty Cycle

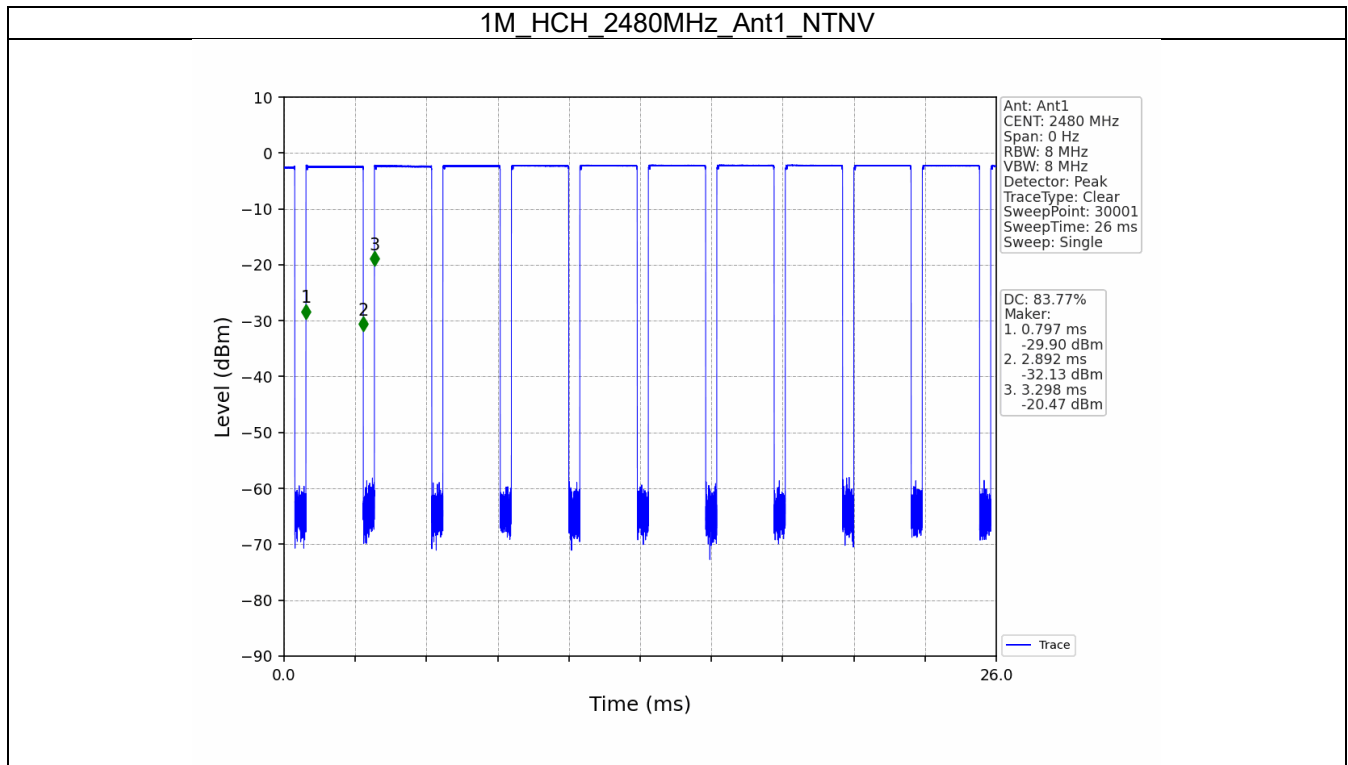
1.1 Ant1

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 | 2.095 | 2.501 | 83.77 | 0.77 | 0.03 |
| | | 2440 | 2.095 | 2.500 | 83.80 | 0.77 | 0.03 |
| | | 2480 | 2.095 | 2.501 | 83.77 | 0.77 | 0.03 |

1.1.2 Test Graph





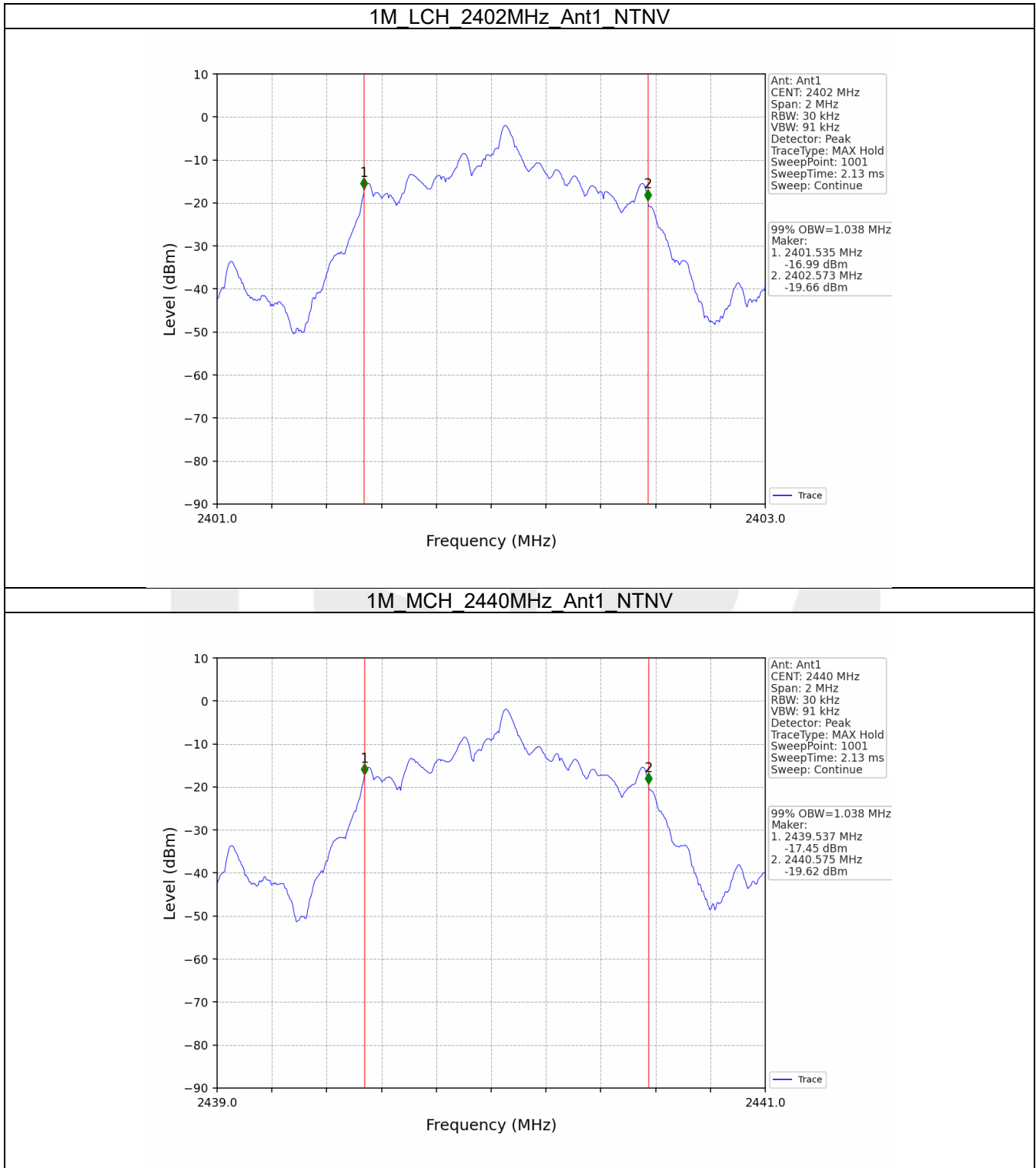
2. Bandwidth

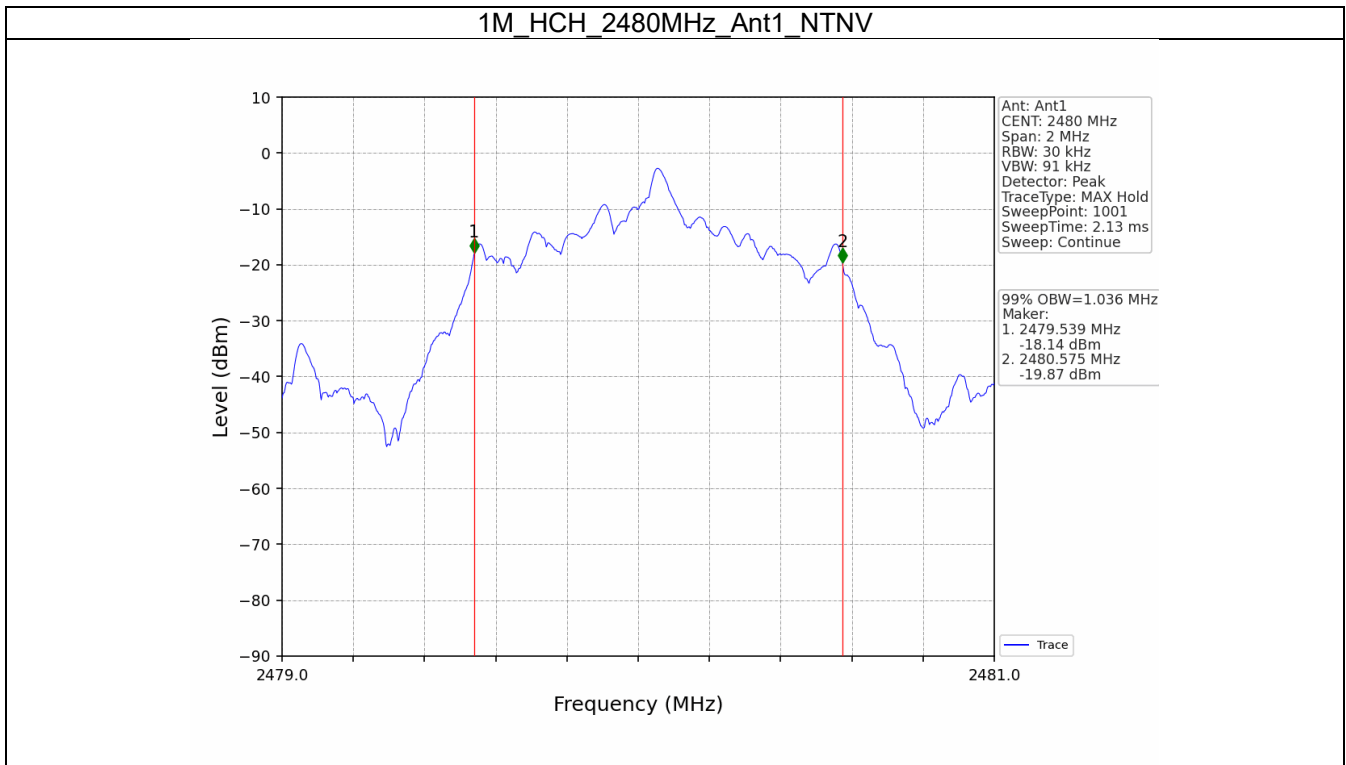
2.1 OBW

2.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) | | Verdict |
|------|---------|-----------------|-----|------------------------------|-------|---------|
| | | | | Result | Limit | |
| 1M | SISO | 2402 | 1 | 1.038 | / | Pass |
| | | 2440 | 1 | 1.038 | / | Pass |
| | | 2480 | 1 | 1.036 | / | Pass |

2.1.2 Test Graph





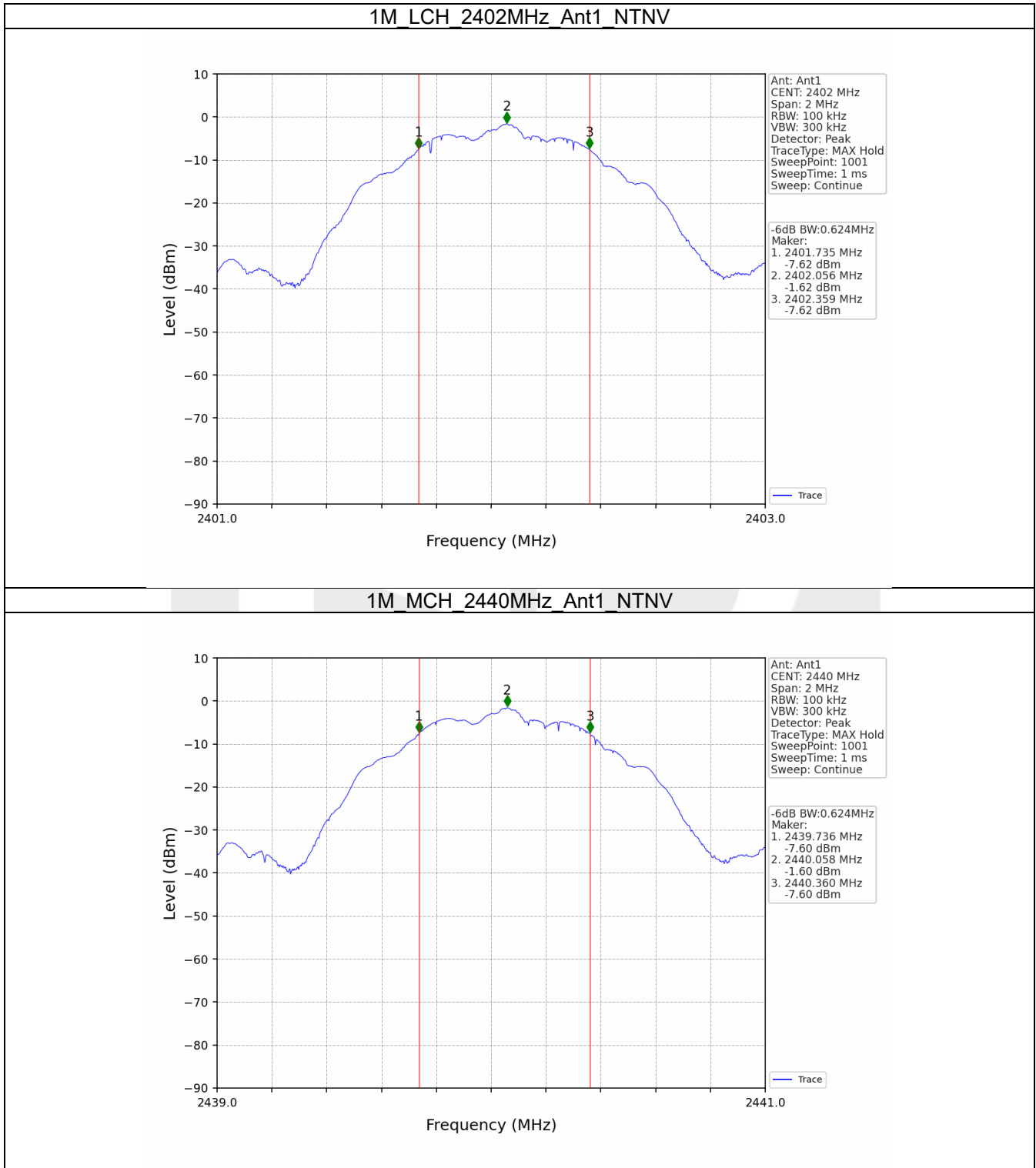
2.2 6dB BW

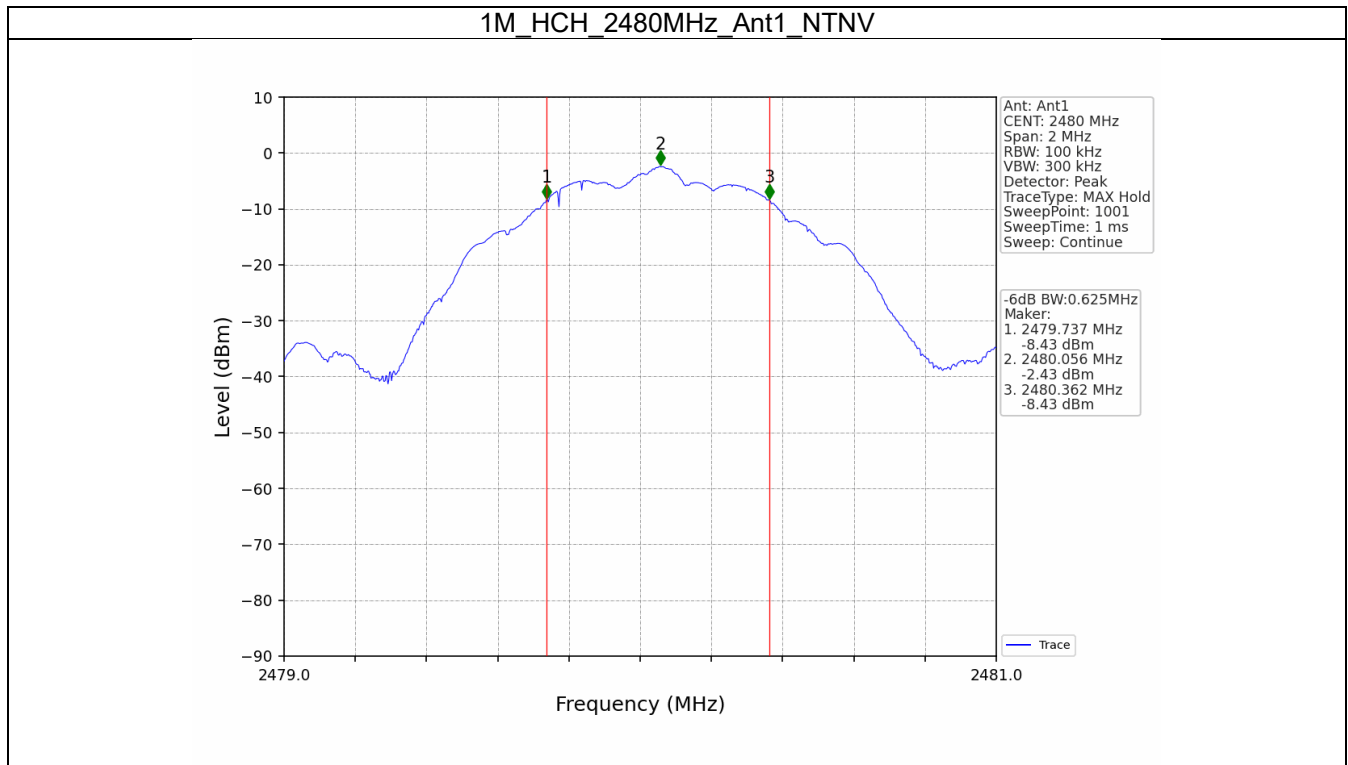
2.2.1 Test Result

| Mode | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) | | Verdict |
|------|---------|-----------------|-----|---------------------|------------|---------|
| | | | | Result | Limit | |
| 1M | SISO | 2402 | 1 | 0.624 | ≥ 0.5 | Pass |
| | | 2440 | 1 | 0.624 | ≥ 0.5 | Pass |
| | | 2480 | 1 | 0.625 | ≥ 0.5 | Pass |



2.2.2 Test Graph





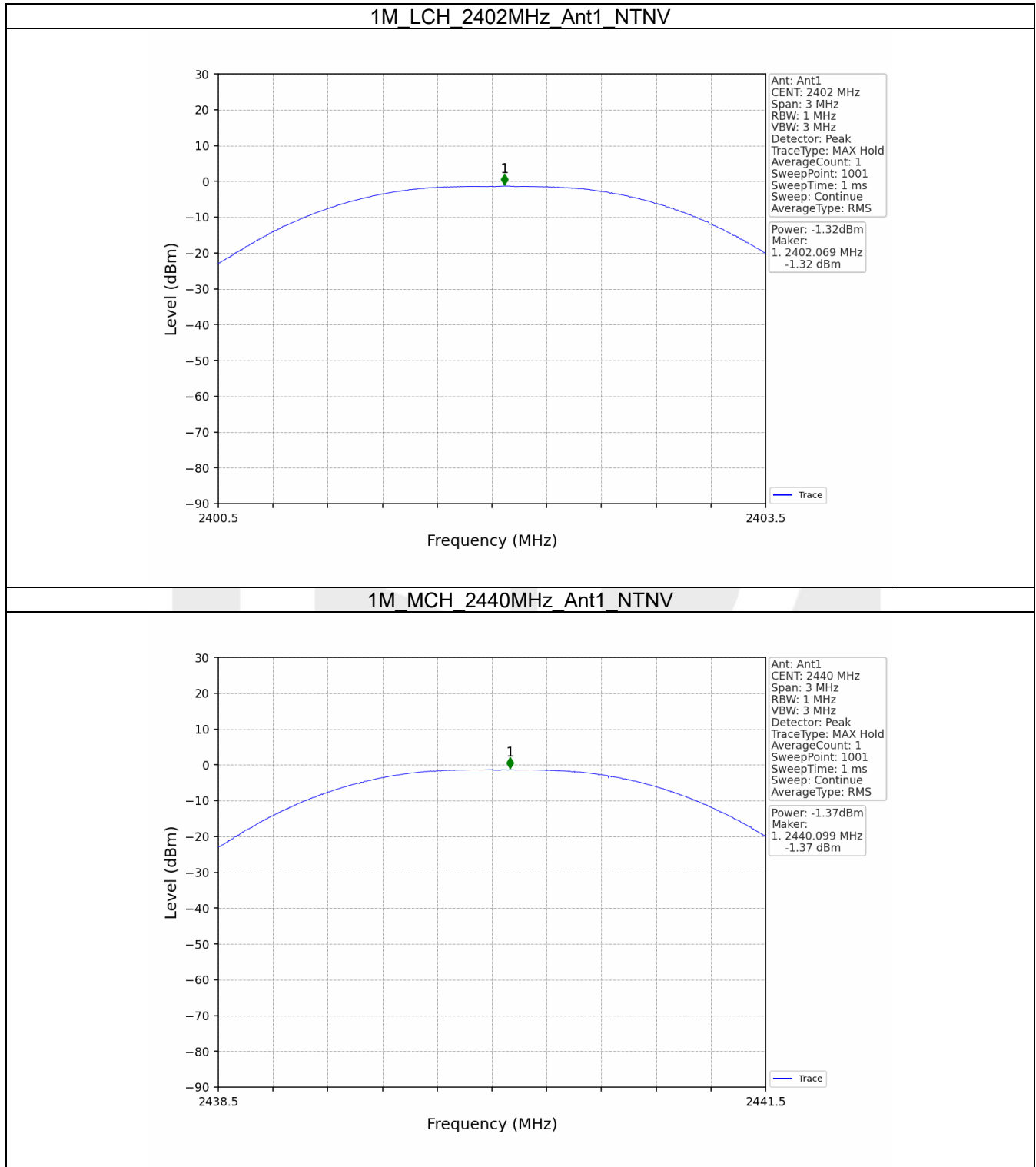
3. Maximum Conducted Output Power

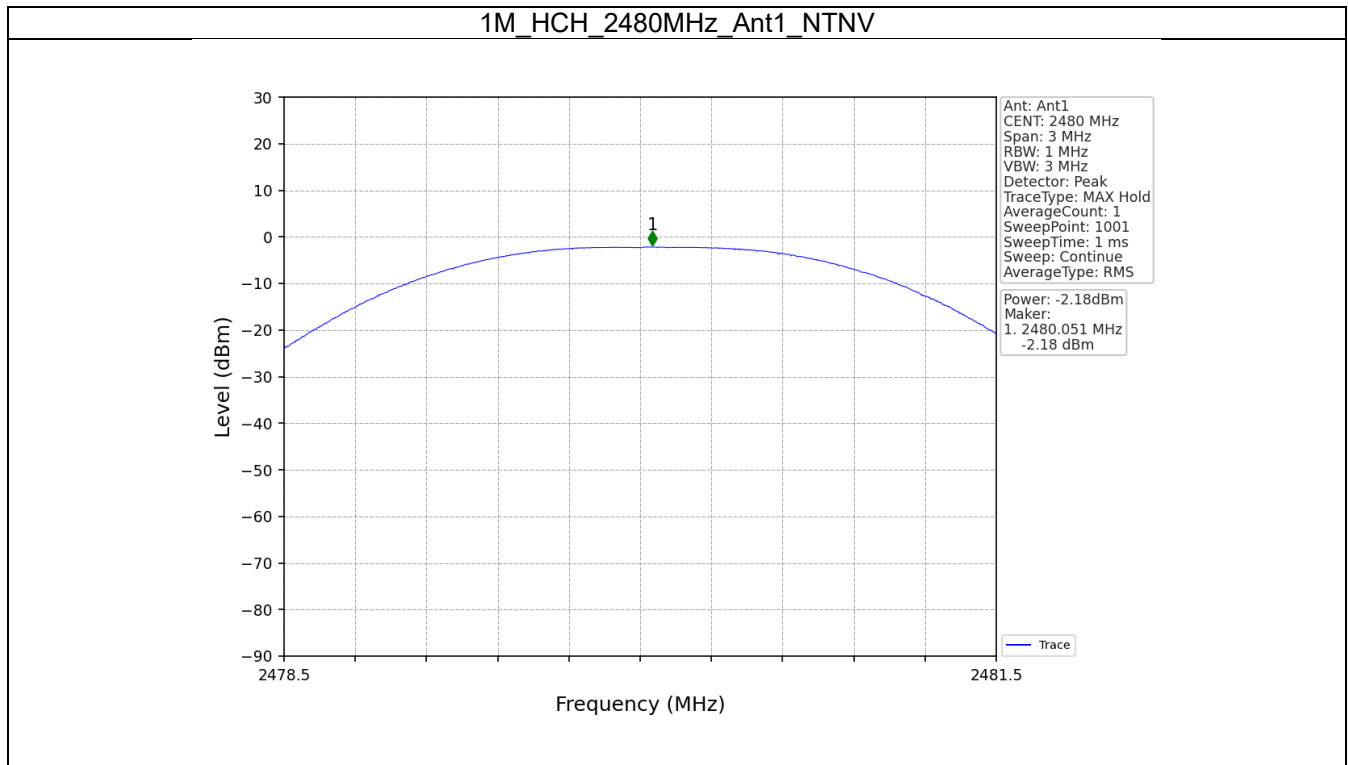
3.1 Power

3.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | Maximum Peak Conducted Output Power (dBm) | | Verdict |
|------|---------|-----------------|---|-------|---------|
| | | | ANT1 | Limit | |
| 1M | SISO | 2402 | -1.32 | <=30 | Pass |
| | | 2440 | -1.37 | <=30 | Pass |
| | | 2480 | -2.18 | <=30 | Pass |

3.1.2 Test Graph





4. Maximum Power Spectral Density

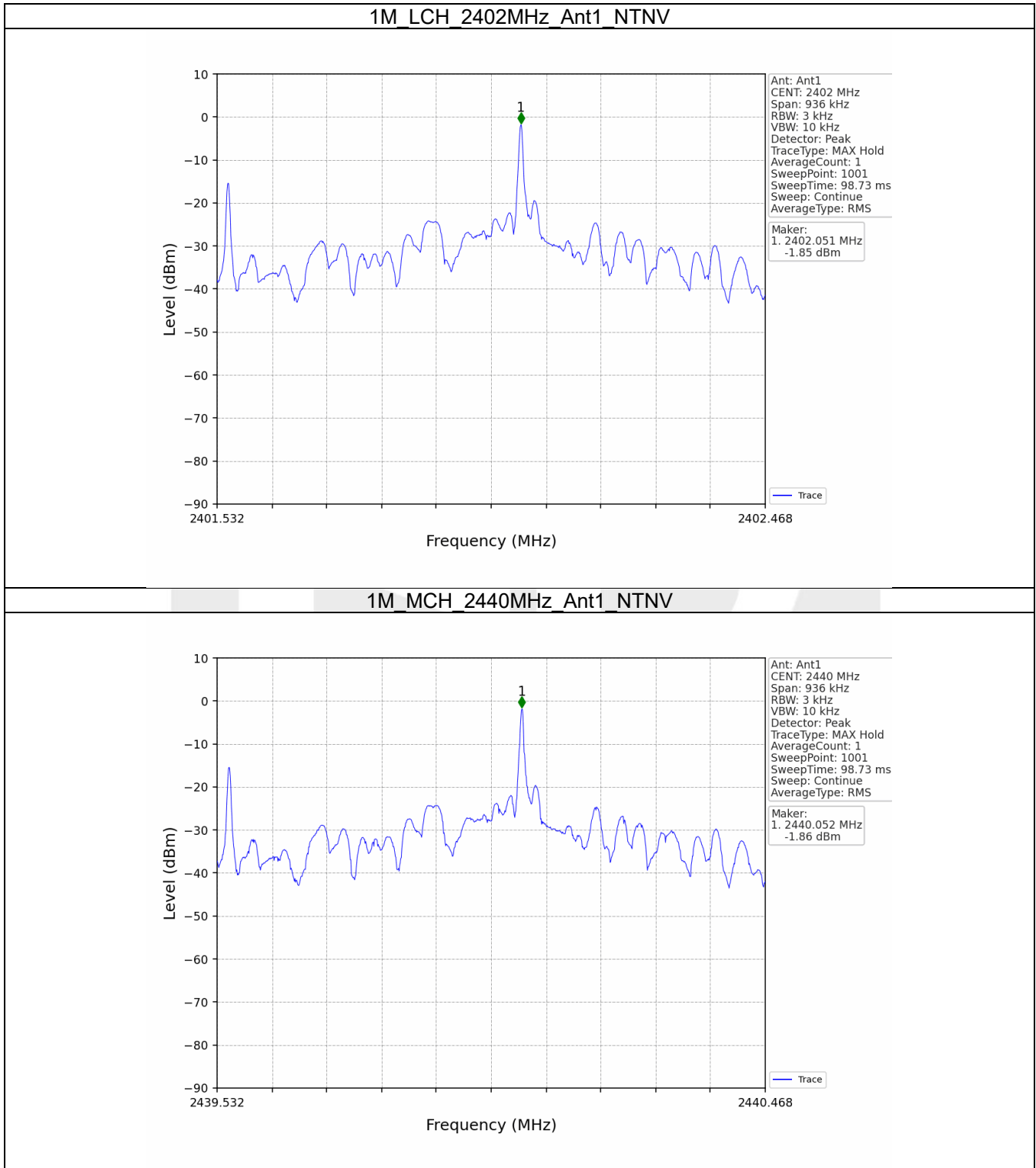
4.1 PSD

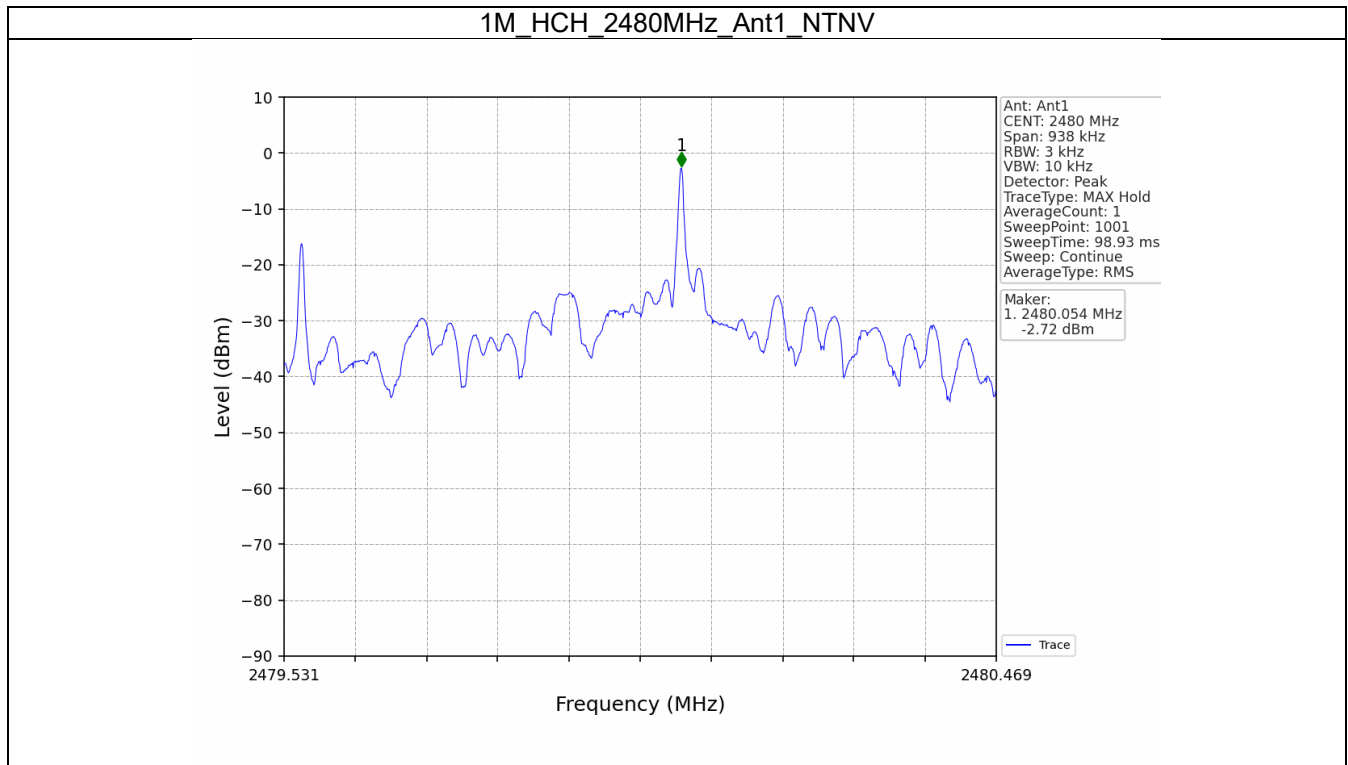
4.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) | | Verdict |
|------|---------|-----------------|------------------------|-------|---------|
| | | | ANT1 | Limit | |
| 1M | SISO | 2402 | -1.85 | <=8 | Pass |
| | | 2440 | -1.86 | <=8 | Pass |
| | | 2480 | -2.72 | <=8 | Pass |



4.1.2 Test Graph





5. Unwanted Emissions In Non-restricted Frequency Bands

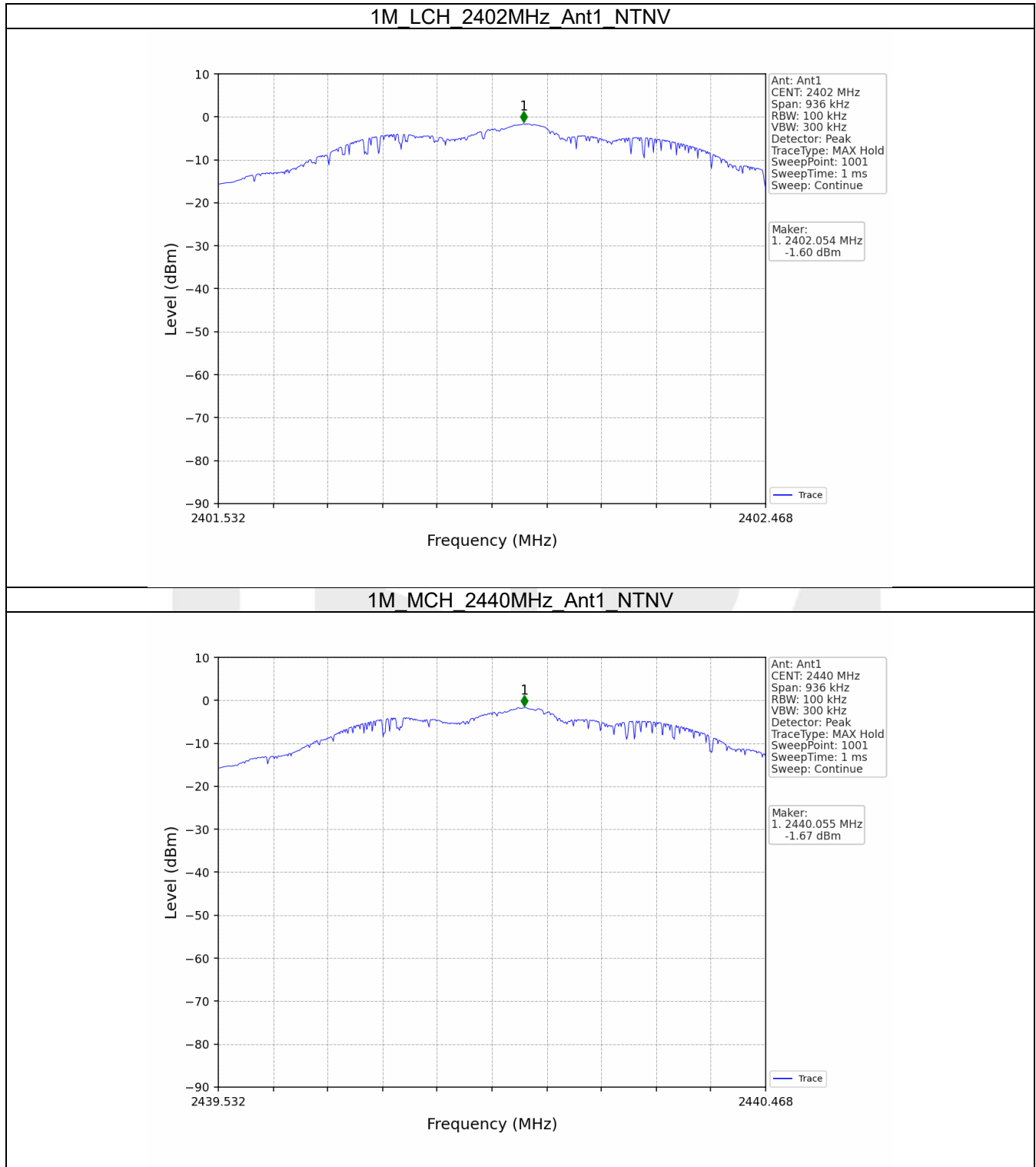
5.1 Ref

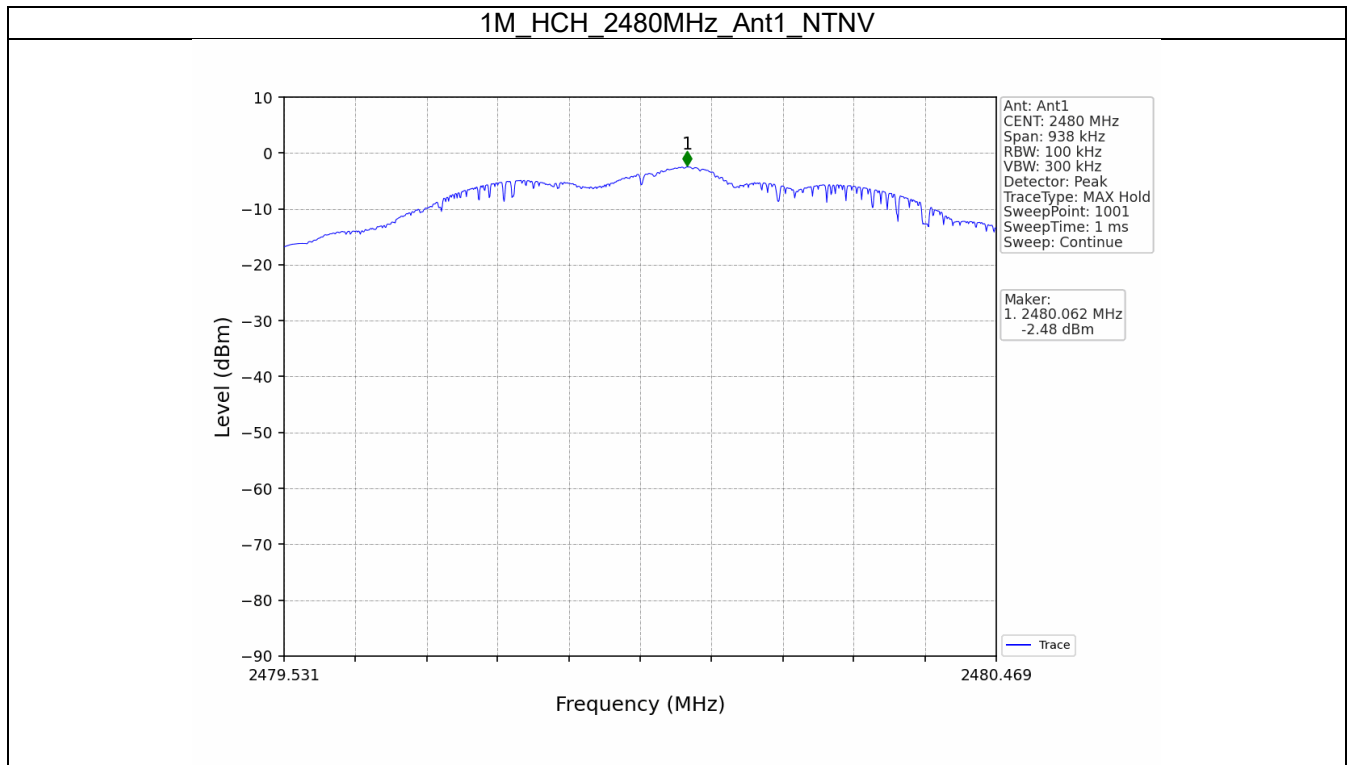
5.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) |
|------|---------|-----------------|-----|--------------------------|
| 1M | SISO | 2402 | 1 | -1.60 |
| | | 2440 | 1 | -1.67 |
| | | 2480 | 1 | -2.48 |

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

5.1.2 Test Graph



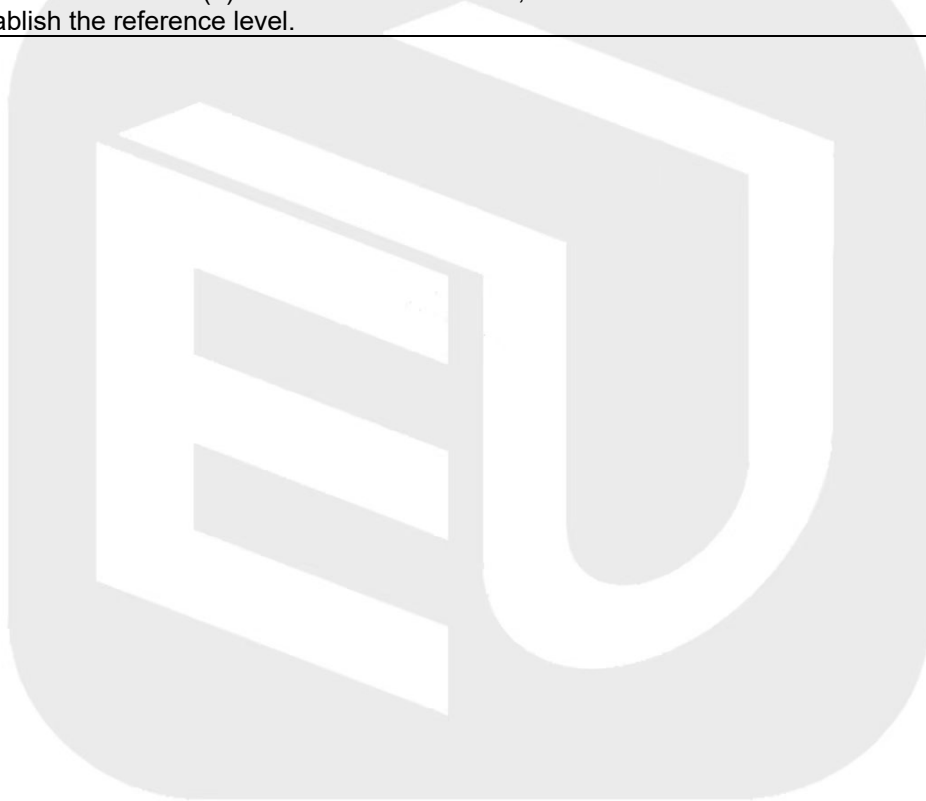


5.2 CSE

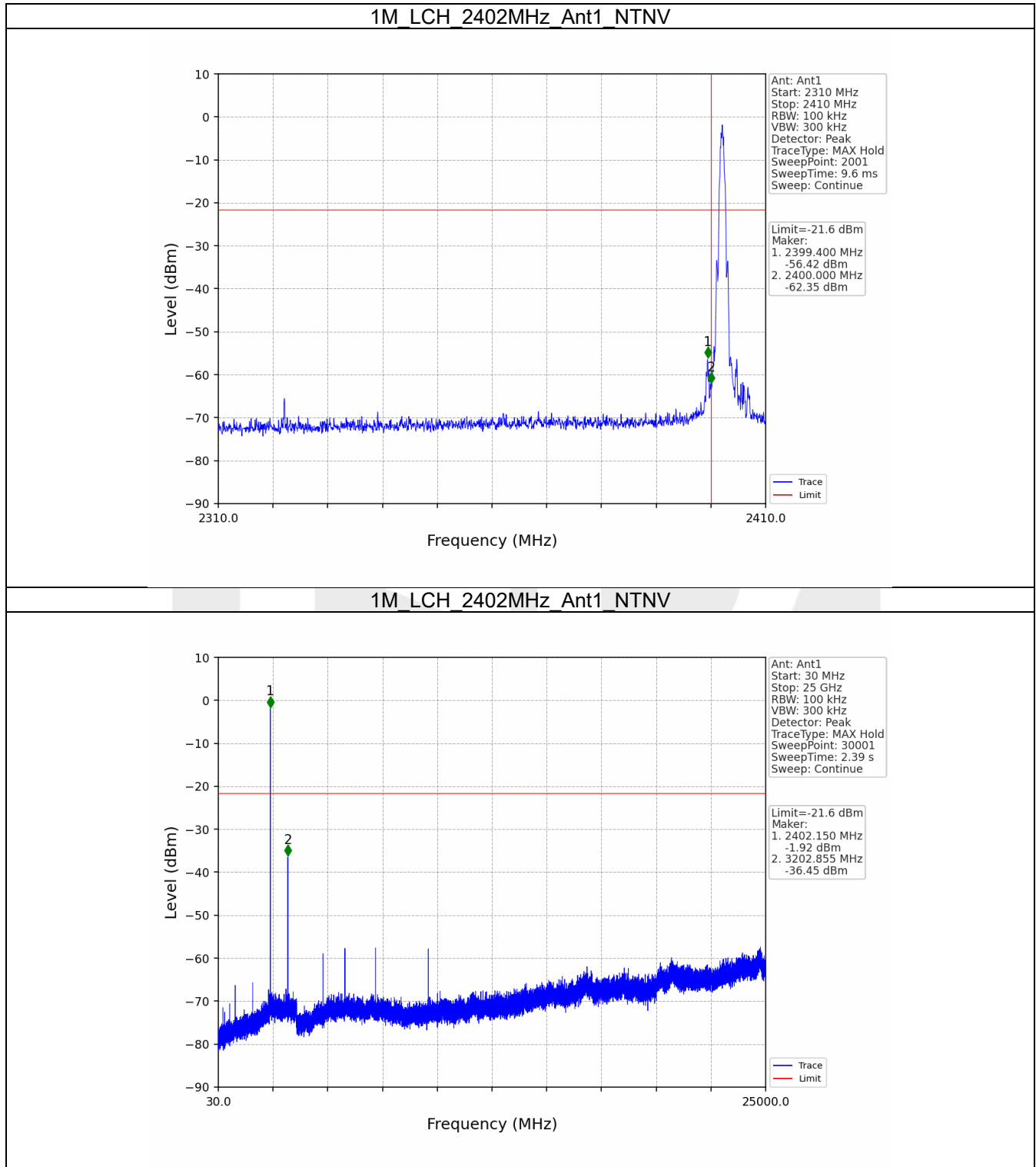
5.2.1 Test Result

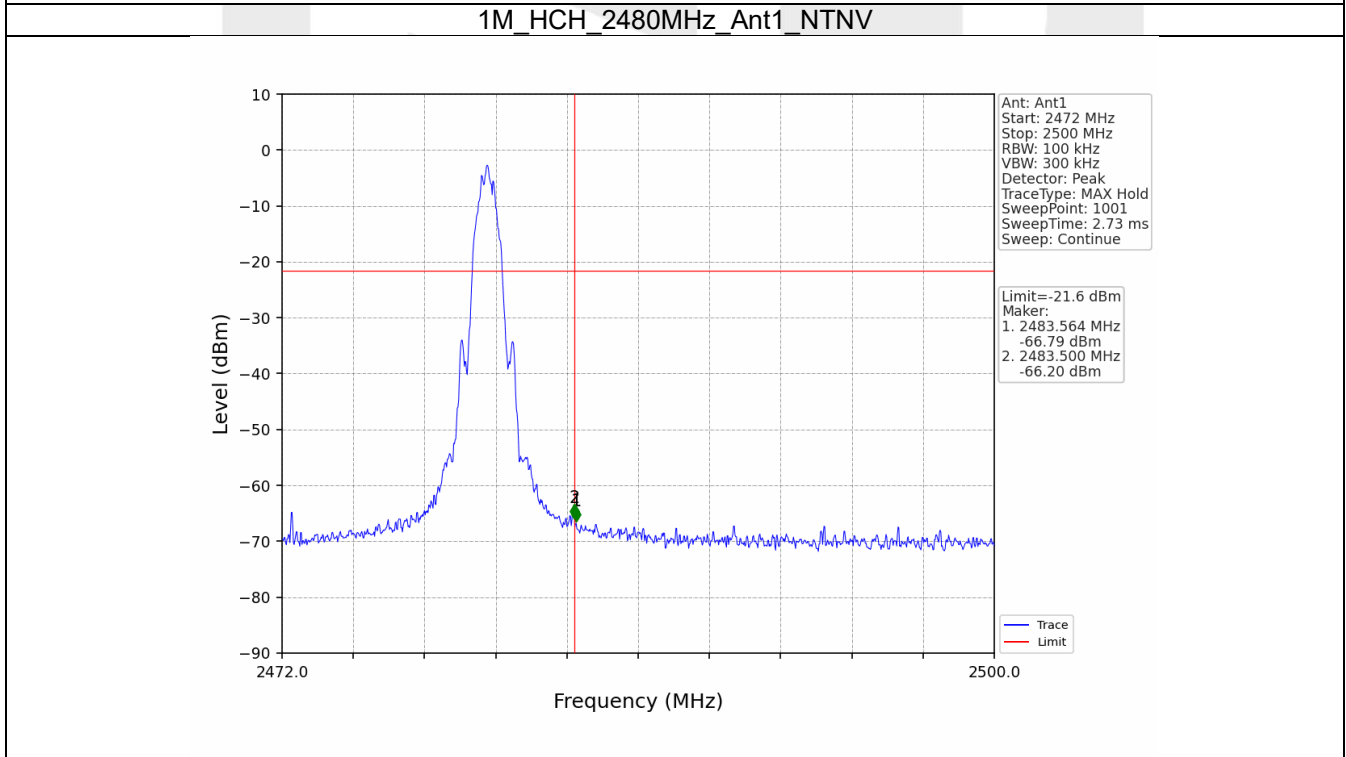
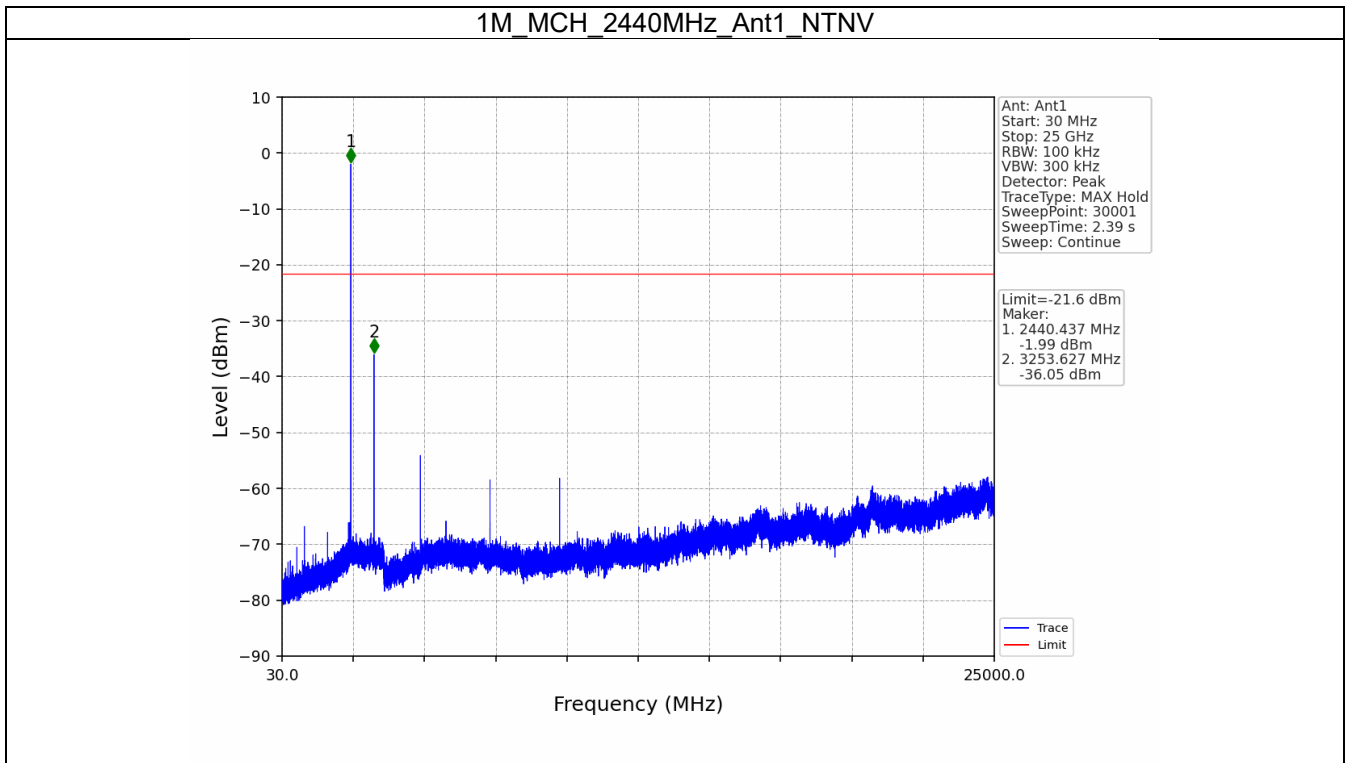
| Mode | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|------|---------|-----------------|-----|--------------------------|-------------|---------|
| 1M | SISO | 2402 | 1 | -1.60 | -21.60 | Pass |
| | | 2440 | 1 | -1.60 | -21.60 | Pass |
| | | 2480 | 1 | -1.60 | -21.60 | Pass |

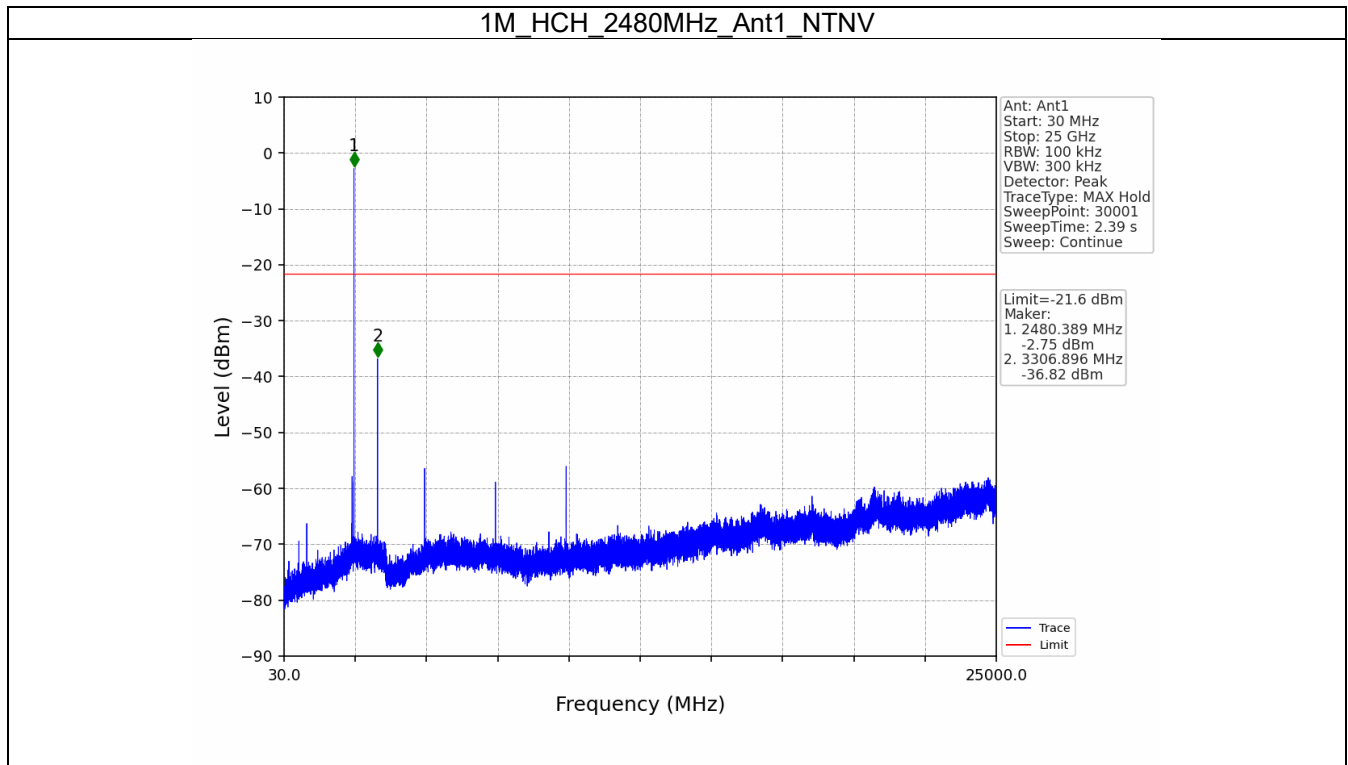
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.



5.2.2 Test Graph







----- End of Report -----