

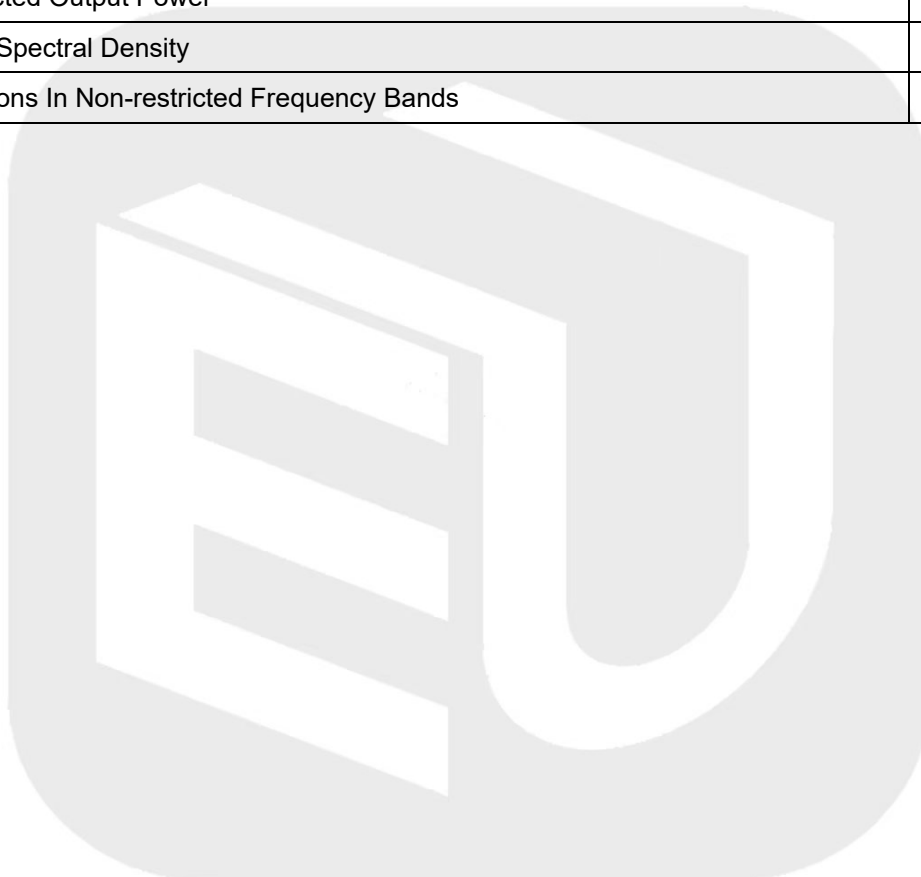
## ANNEX E TEST DATA

For

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Project No.:         | 8333EU122502W                                    |
| Client:              | Shenzhen MiaoMing Intelligent Technology Co.,Ltd |
| Product Description: | WD_RTL8852BEM2_V10                               |
| Model No.:           | WD_RTL8852BEM2_V10                               |
| FCC ID:              | 2AXHE-RTL8852BEM2                                |
| Technology:          | Bluetooth BLE                                    |
| Test Engineer:       | <i>Mikoy zhu</i>                                 |
| Test Date:           | 2025-09-18                                       |

## 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

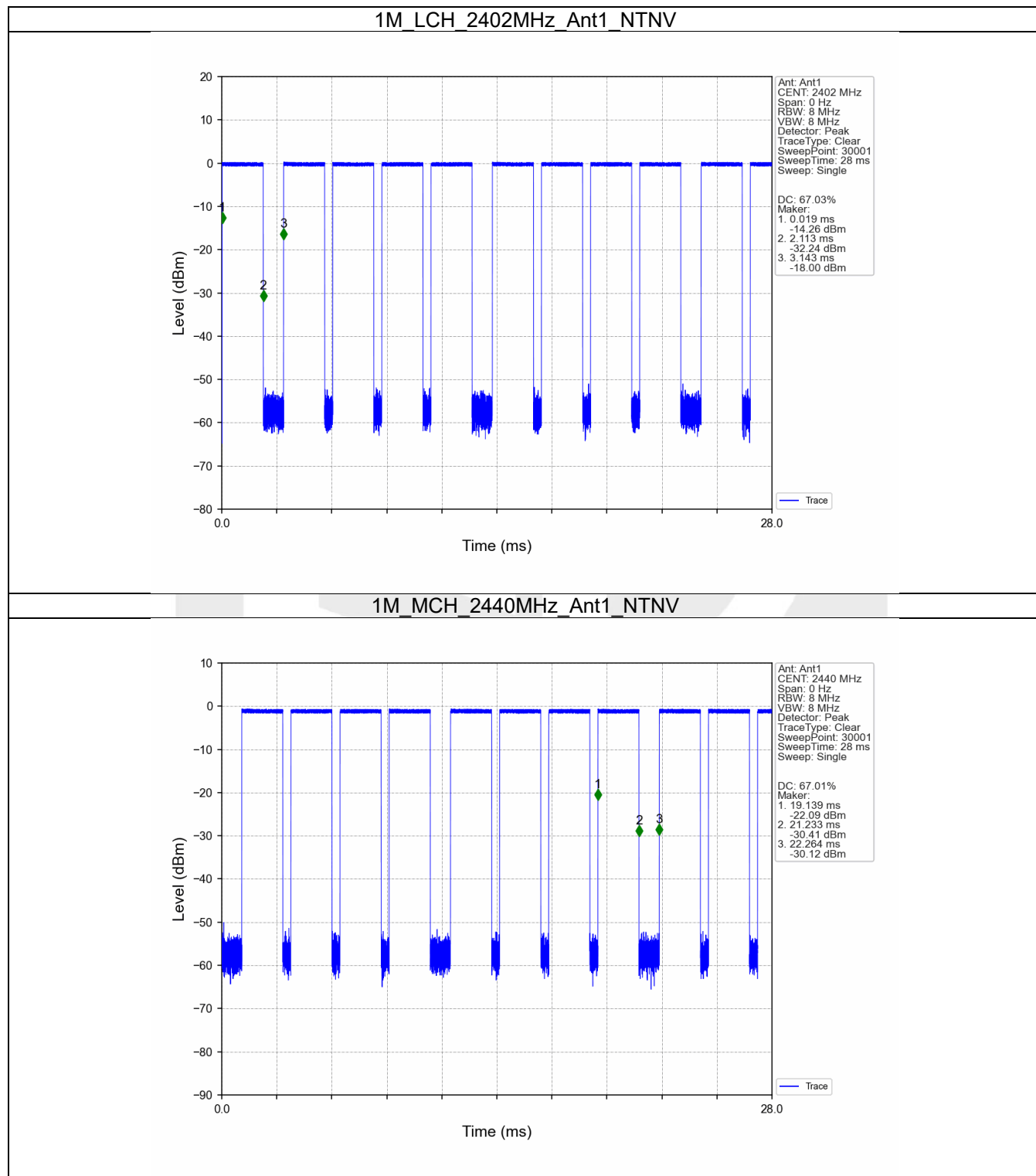
### 1.1 Test Result

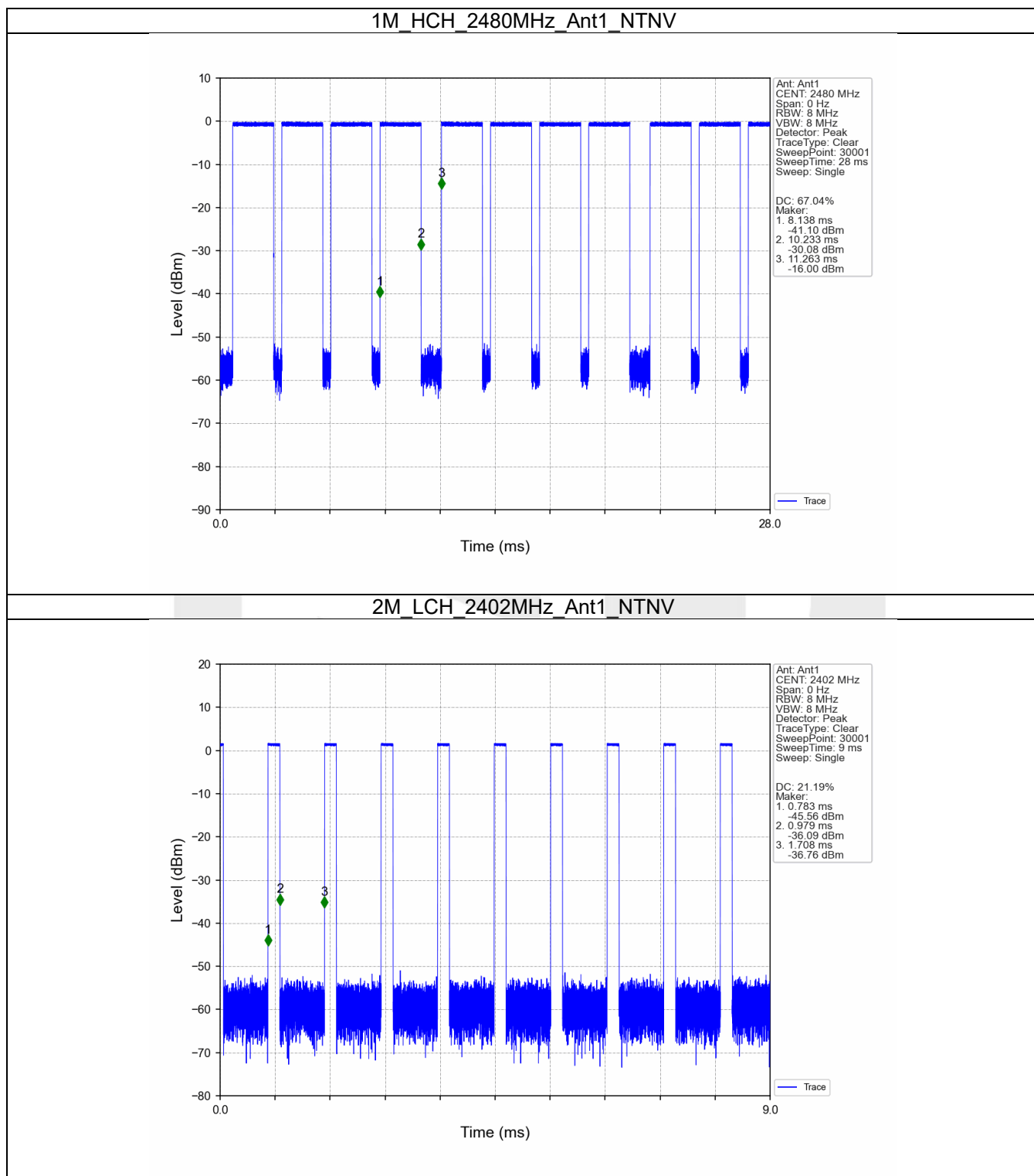
#### 1.1.1 Ant1

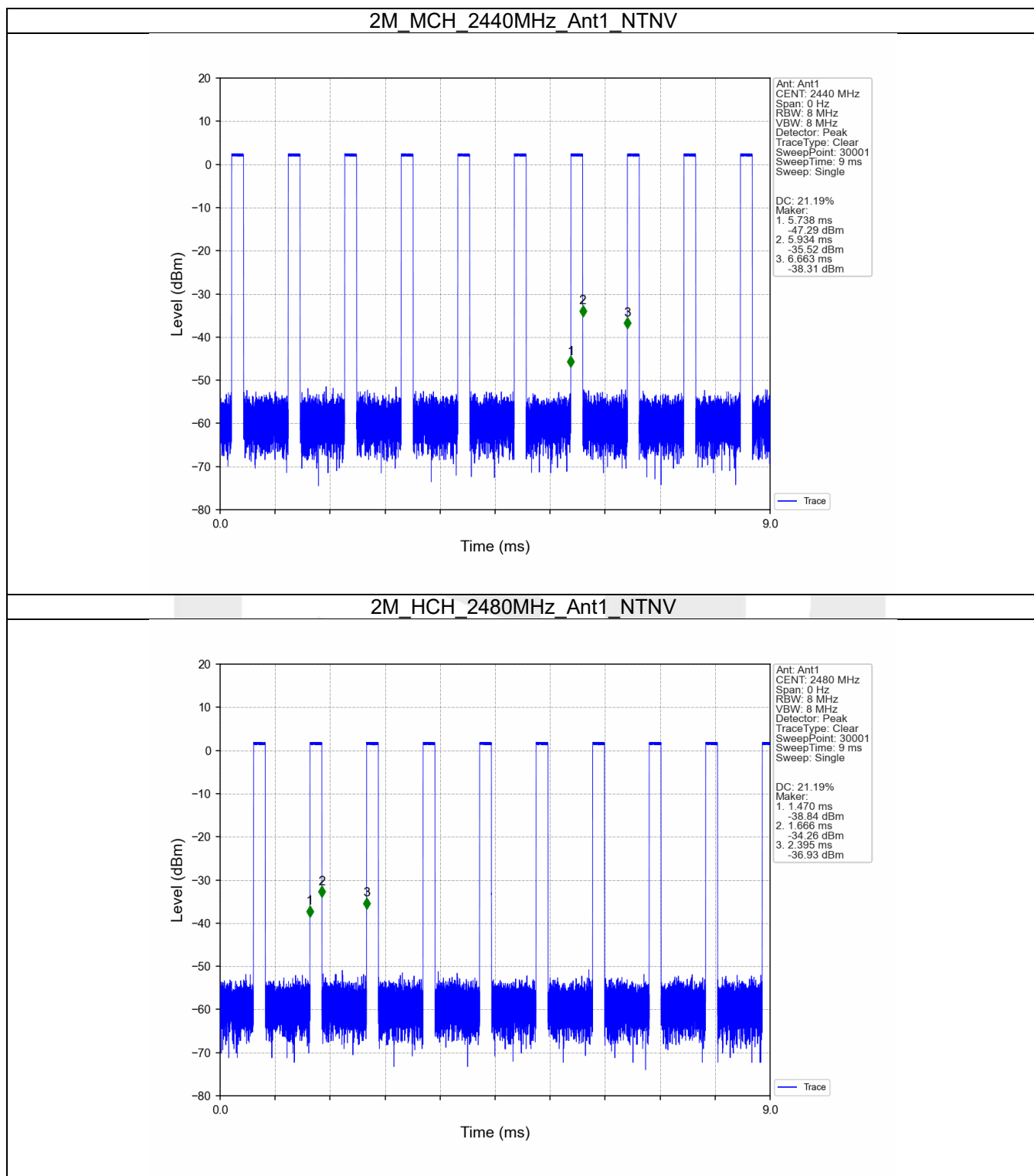
| Ant1 |         |                 |           |             |                |                                   |                       |
|------|---------|-----------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode | TX Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 1M   | SISO    | 2402            | 2.094     | 3.124       | 67.03          | 1.74                              | 16.78                 |
|      |         | 2440            | 2.094     | 3.125       | 67.01          | 1.74                              | 16.78                 |
|      |         | 2480            | 2.095     | 3.125       | 67.04          | 1.74                              | 16.77                 |
| 2M   | SISO    | 2402            | 0.196     | 0.925       | 21.19          | 6.74                              | 0.01                  |
|      |         | 2440            | 0.196     | 0.925       | 21.19          | 6.74                              | 0.03                  |
|      |         | 2480            | 0.196     | 0.925       | 21.19          | 6.74                              | 0.01                  |

## 1.2 Test Graph

### 1.2.1 Ant1







## 2. Bandwidth

### 2.1 Test Result

#### 2.1.1 OBW

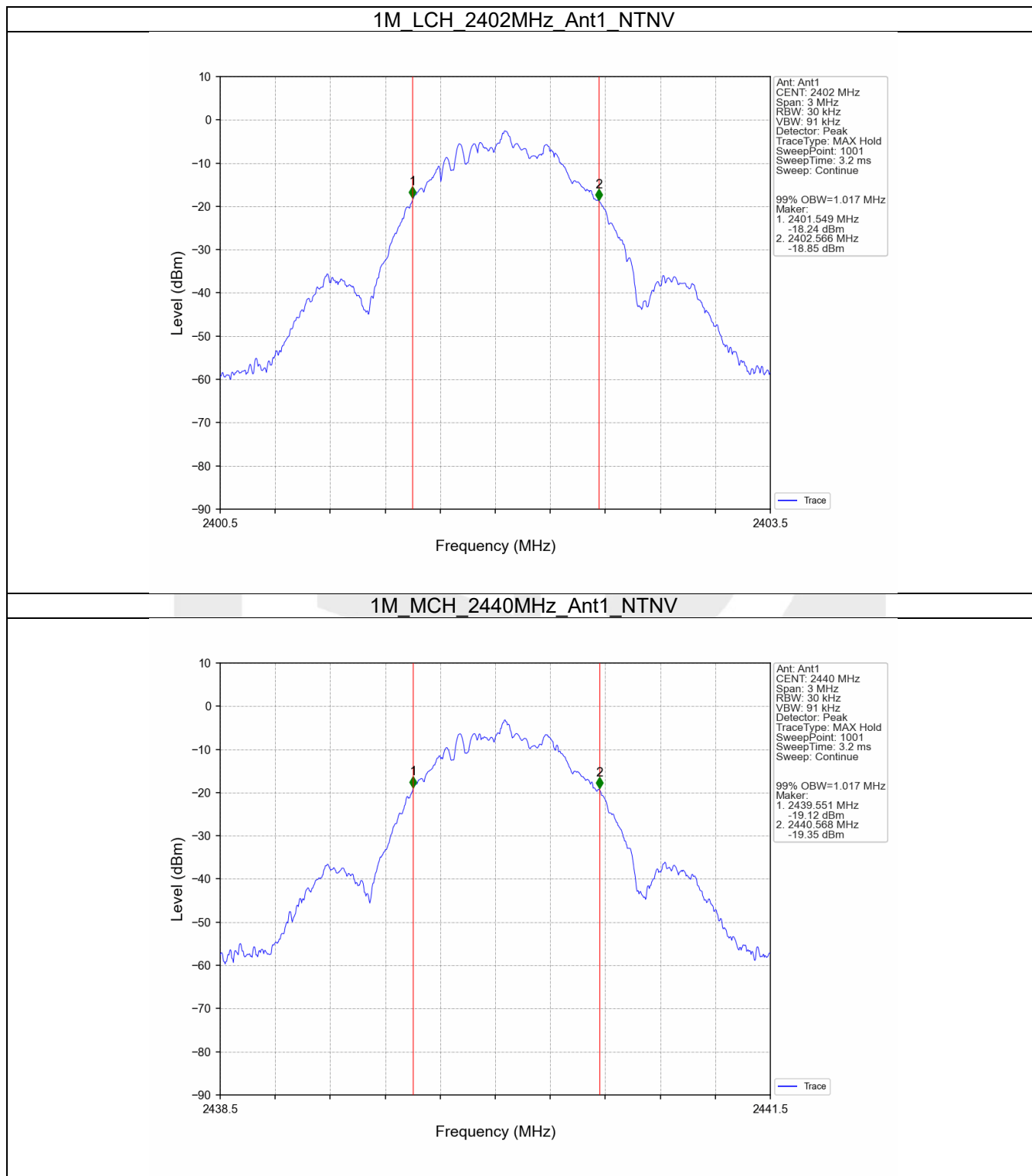
| Mode | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) |       | Verdict |
|------|---------|-----------------|-----|------------------------------|-------|---------|
|      |         |                 |     | Result                       | Limit |         |
| 1M   | SISO    | 2402            | 1   | 1.017                        | /     | Pass    |
|      |         | 2440            | 1   | 1.017                        | /     | Pass    |
|      |         | 2480            | 1   | 1.019                        | /     | Pass    |
| 2M   | SISO    | 2402            | 1   | 2.065                        | /     | Pass    |
|      |         | 2440            | 1   | 2.065                        | /     | Pass    |
|      |         | 2480            | 1   | 2.064                        | /     | Pass    |

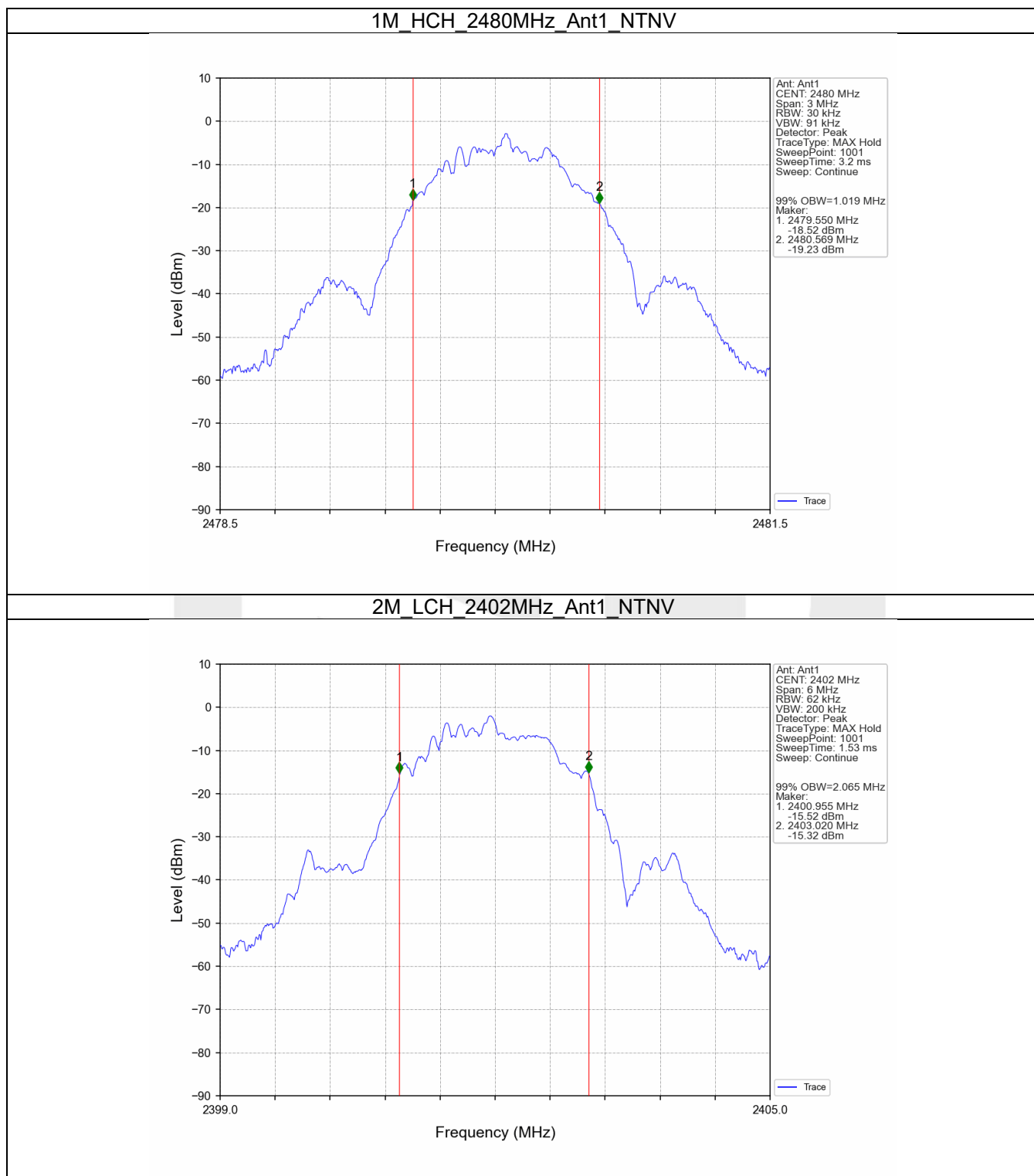
#### 2.1.2 6dB BW

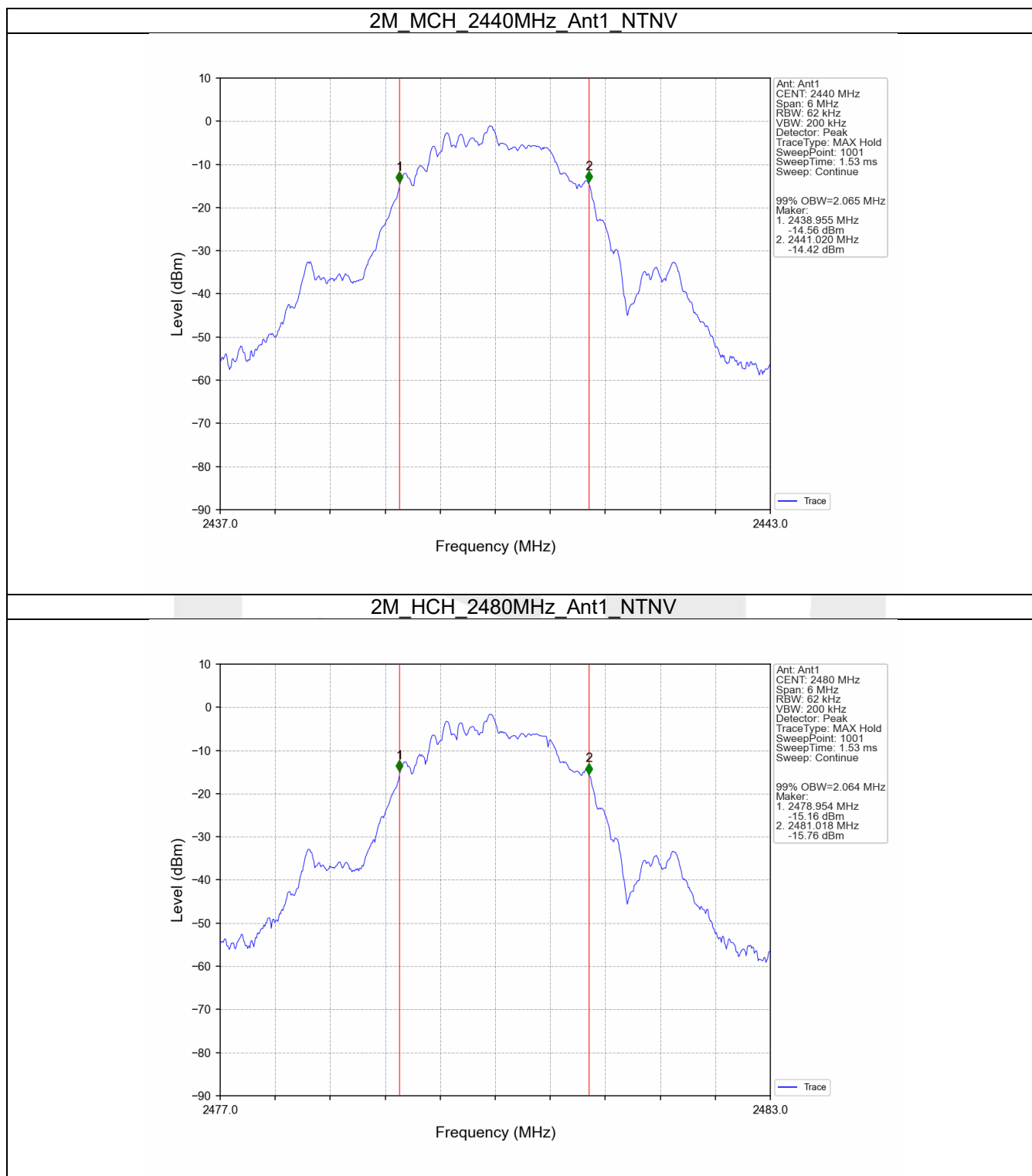
| Mode | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) |            | Verdict |
|------|---------|-----------------|-----|---------------------|------------|---------|
|      |         |                 |     | Result              | Limit      |         |
| 1M   | SISO    | 2402            | 1   | 0.650               | $\geq 0.5$ | Pass    |
|      |         | 2440            | 1   | 0.647               | $\geq 0.5$ | Pass    |
|      |         | 2480            | 1   | 0.644               | $\geq 0.5$ | Pass    |
| 2M   | SISO    | 2402            | 1   | 1.195               | $\geq 0.5$ | Pass    |
|      |         | 2440            | 1   | 1.203               | $\geq 0.5$ | Pass    |
|      |         | 2480            | 1   | 1.227               | $\geq 0.5$ | Pass    |

## 2.2 Test Graph

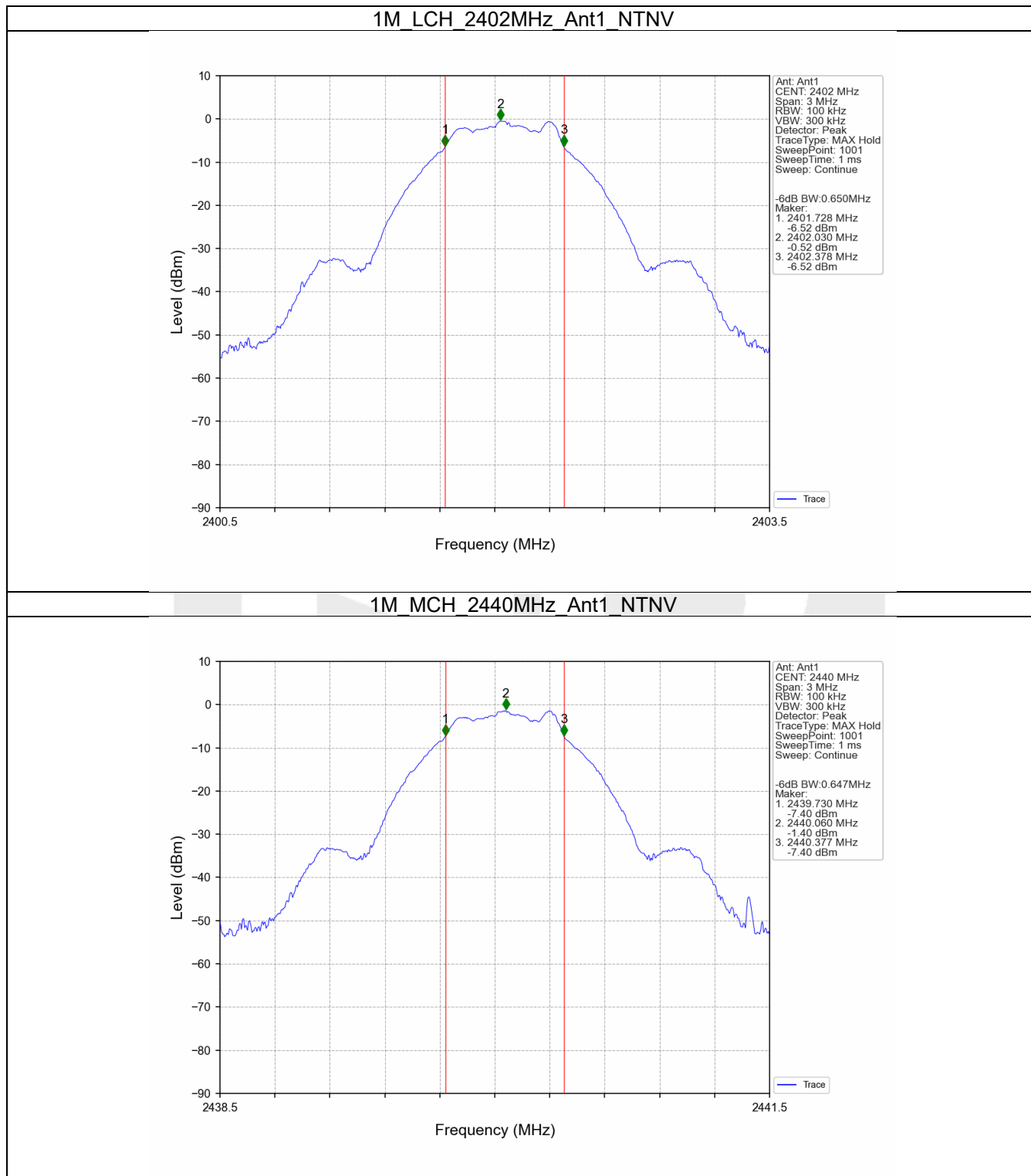
### 2.2.1 OBW

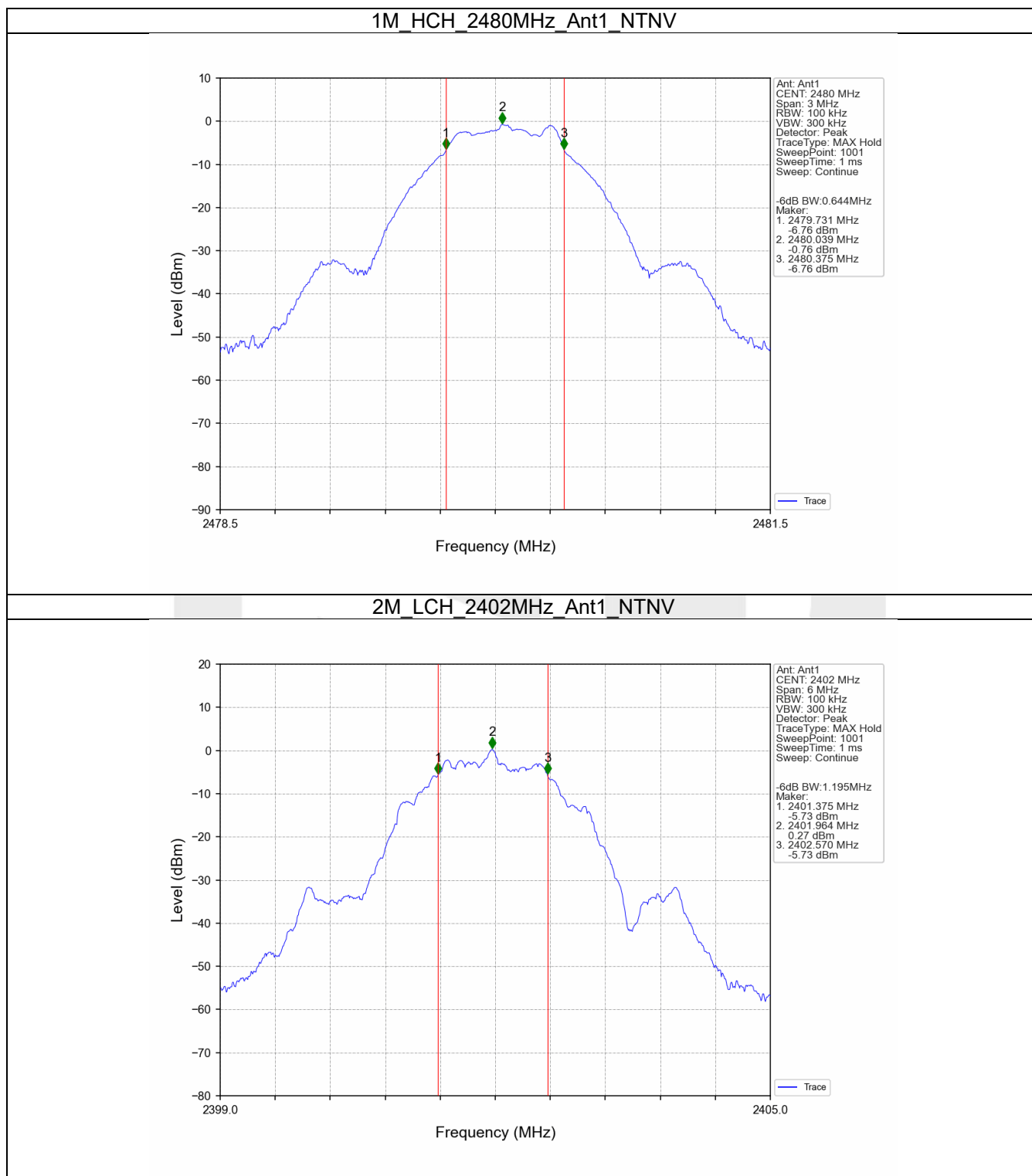


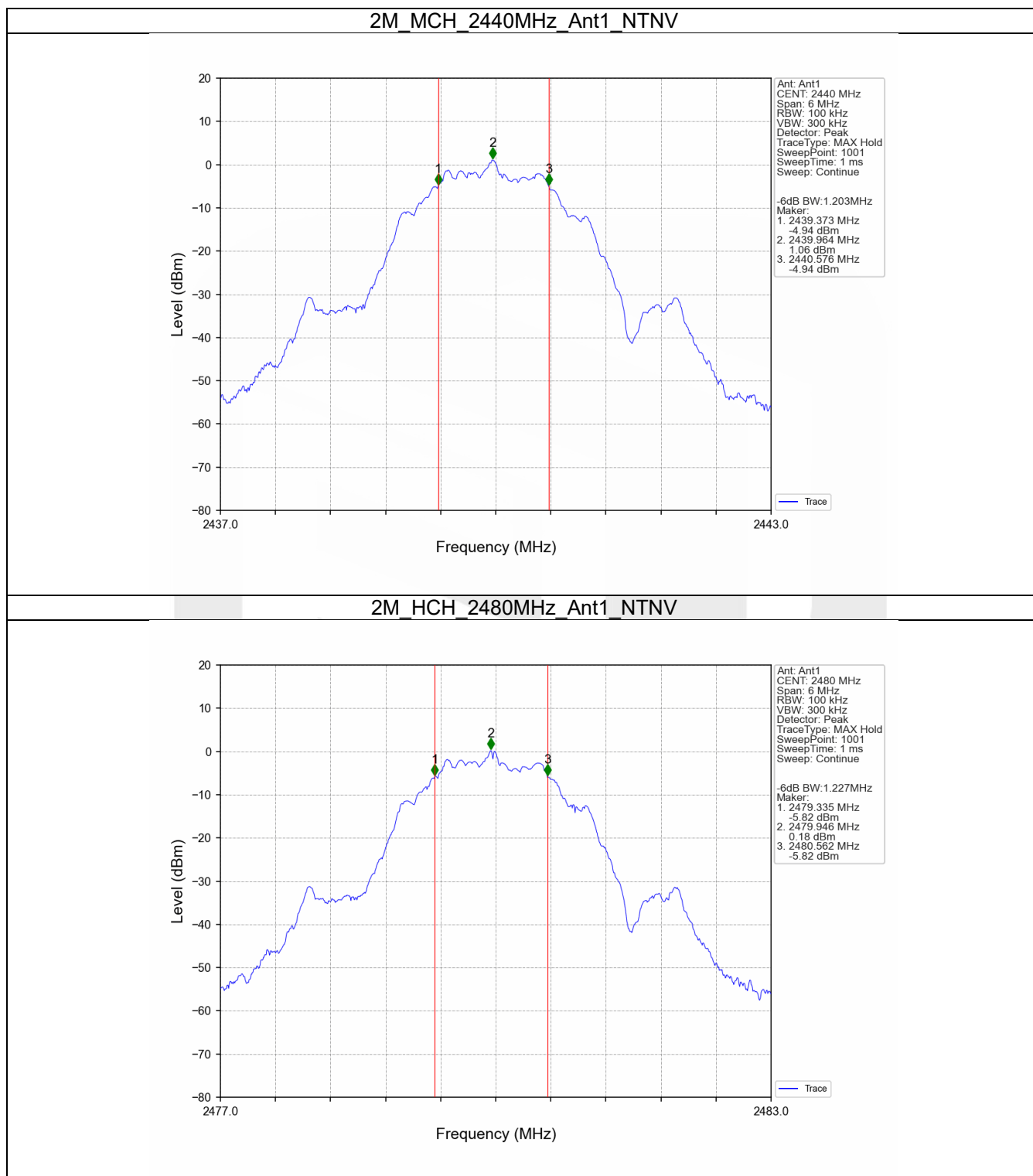




## 2.2.2 6dB BW







### 3. Maximum Conducted Output Power

#### 3.1 Test Result

##### 3.1.1 Power

| Mode | TX Type | Frequency (MHz) | Maximum Peak Conducted Output Power (dBm) |       | Verdict |
|------|---------|-----------------|-------------------------------------------|-------|---------|
|      |         |                 | ANT1                                      | Limit |         |
| 1M   | SISO    | 2402            | 0.08                                      | <=30  | Pass    |
|      |         | 2440            | -0.71                                     | <=30  | Pass    |
|      |         | 2480            | -0.23                                     | <=30  | Pass    |
| 2M   | SISO    | 2402            | 1.54                                      | <=30  | Pass    |
|      |         | 2440            | 2.36                                      | <=30  | Pass    |
|      |         | 2480            | 1.81                                      | <=30  | Pass    |

#### 4. Maximum Power Spectral Density

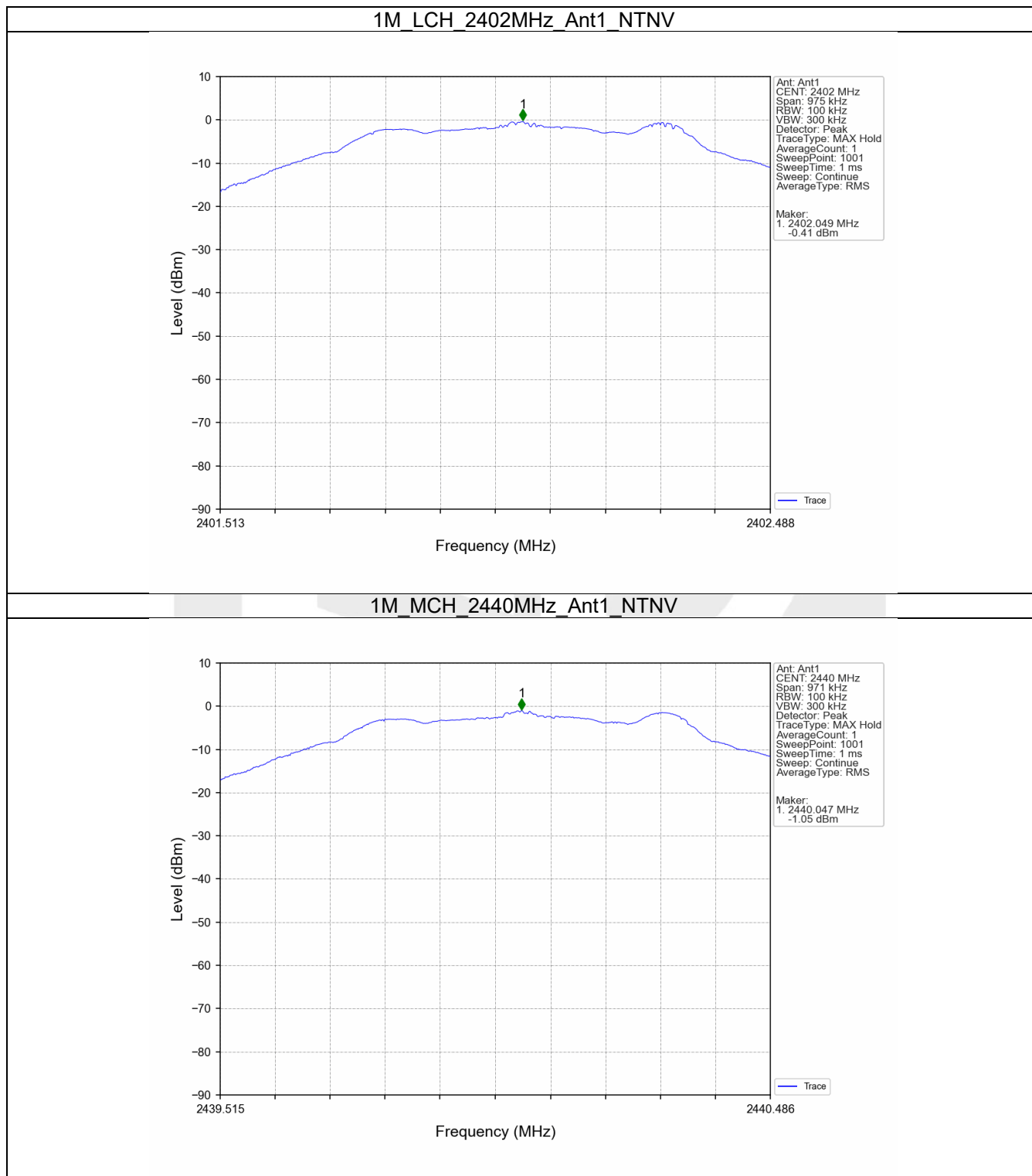
##### 4.1 Test Result

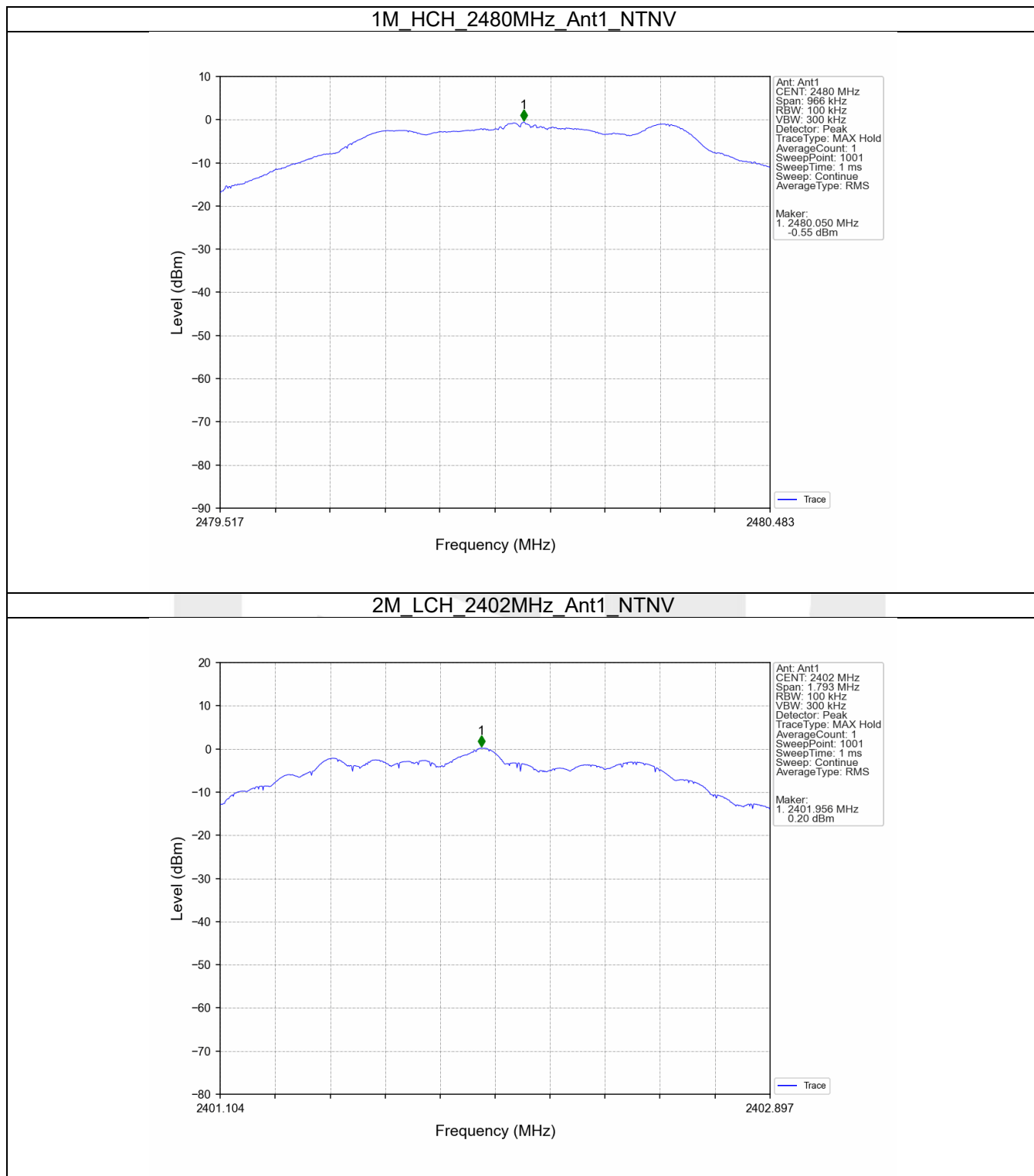
###### 4.1.1 PSD

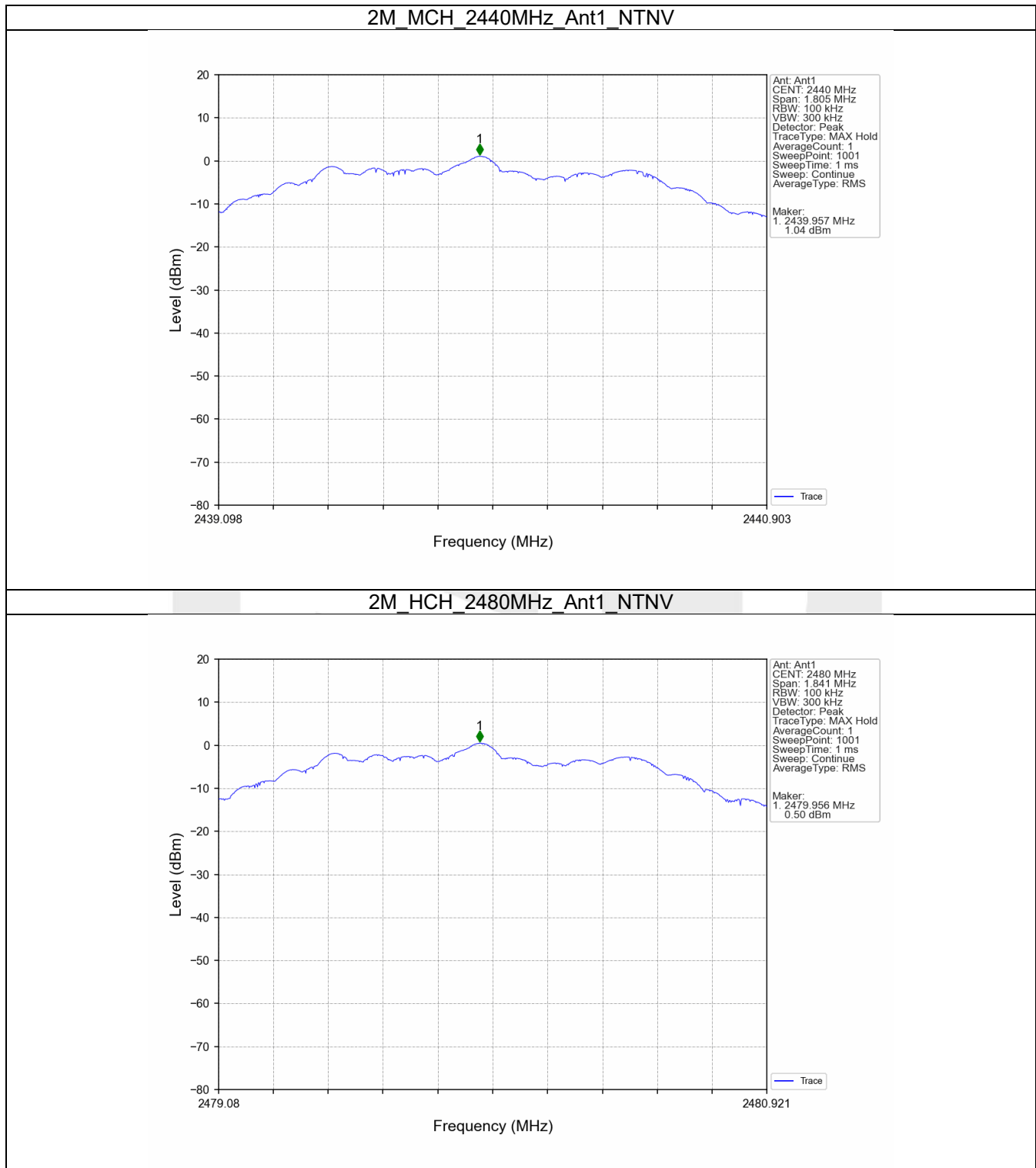
| Mode | TX Type | Frequency (MHz) | Maximum PSD (dBm) |       | Verdict |
|------|---------|-----------------|-------------------|-------|---------|
|      |         |                 | ANT1              | Limit |         |
| 1M   | SISO    | 2402            | -0.41             | <=8   | Pass    |
|      |         | 2440            | -1.05             | <=8   | Pass    |
|      |         | 2480            | -0.55             | <=8   | Pass    |
| 2M   | SISO    | 2402            | 0.20              | <=8   | Pass    |
|      |         | 2440            | 1.04              | <=8   | Pass    |
|      |         | 2480            | 0.50              | <=8   | Pass    |

## 4.2 Test Graph

### 4.2.1 PSD







## 5. Unwanted Emissions In Non-restricted Frequency Bands

### 5.1 Test Result

#### 5.1.1 Ref

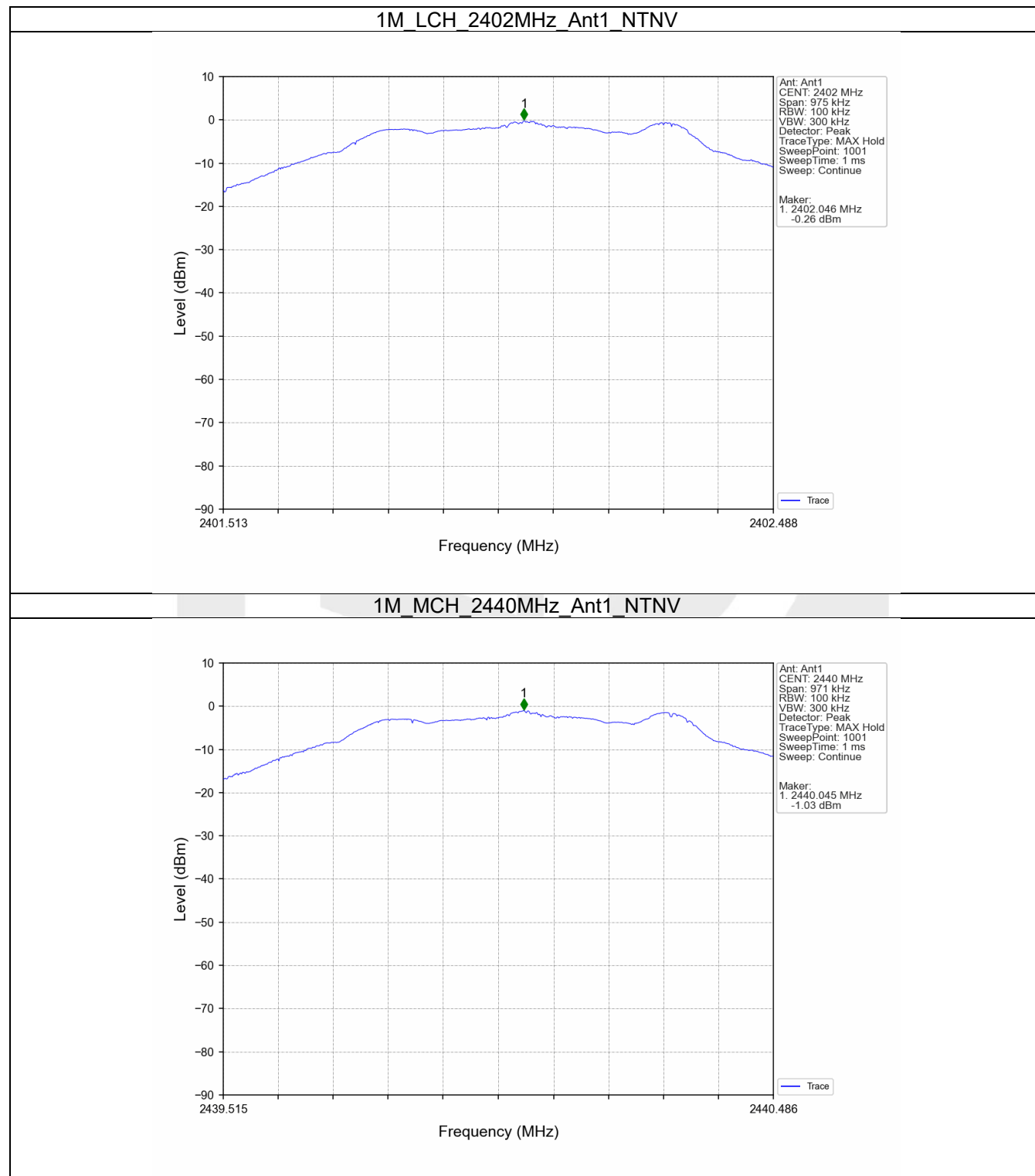
| Mode                                                                                                                                            | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-----|--------------------------|
| 1M                                                                                                                                              | SISO    | 2402            | 1   | -0.26                    |
|                                                                                                                                                 |         | 2440            | 1   | -1.03                    |
|                                                                                                                                                 |         | 2480            | 1   | -0.67                    |
| 2M                                                                                                                                              | SISO    | 2402            | 1   | 0.17                     |
|                                                                                                                                                 |         | 2440            | 1   | 1.06                     |
|                                                                                                                                                 |         | 2480            | 1   | 0.52                     |
| 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. |         |                 |     |                          |

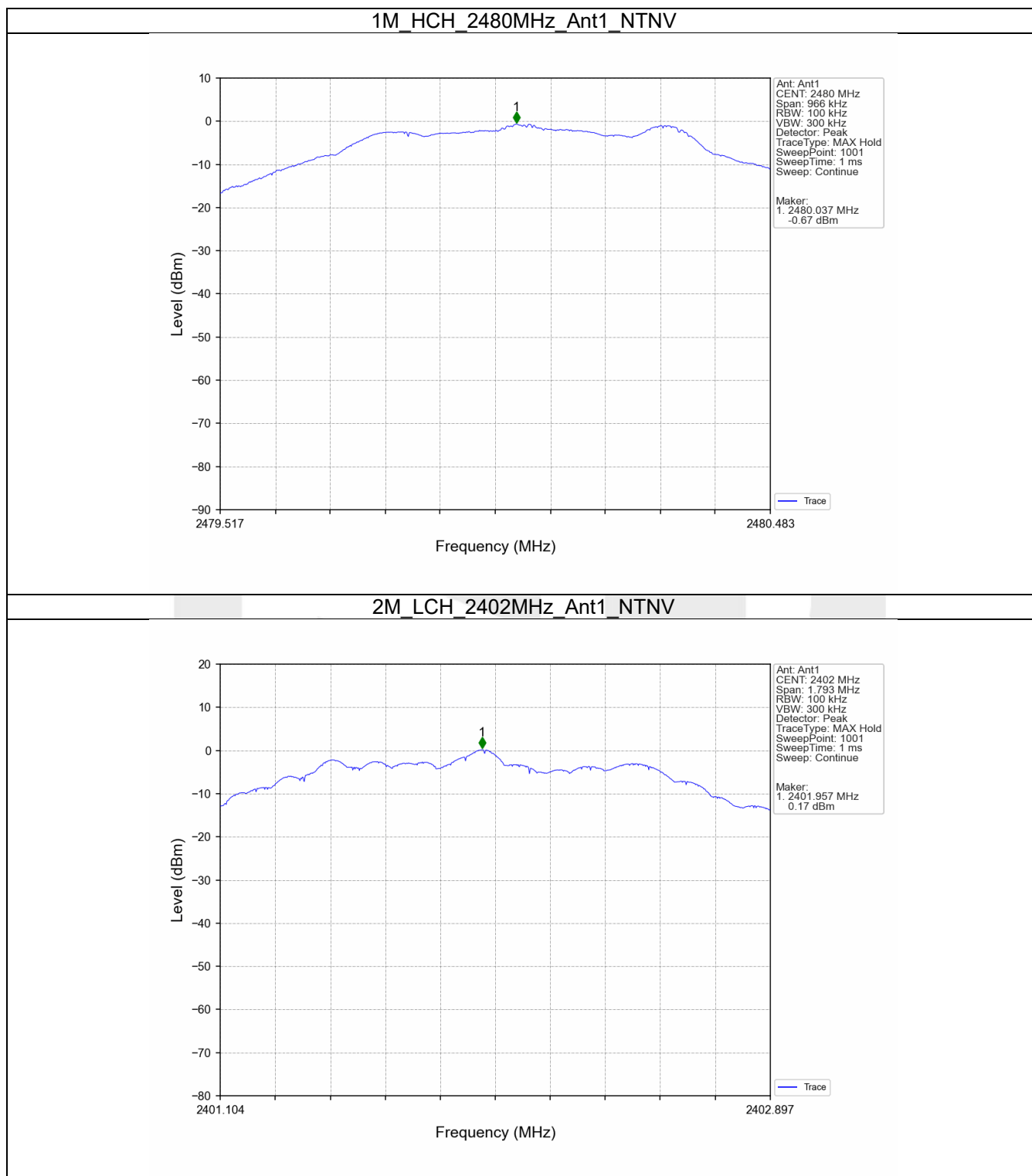
#### 5.1.2 CSE

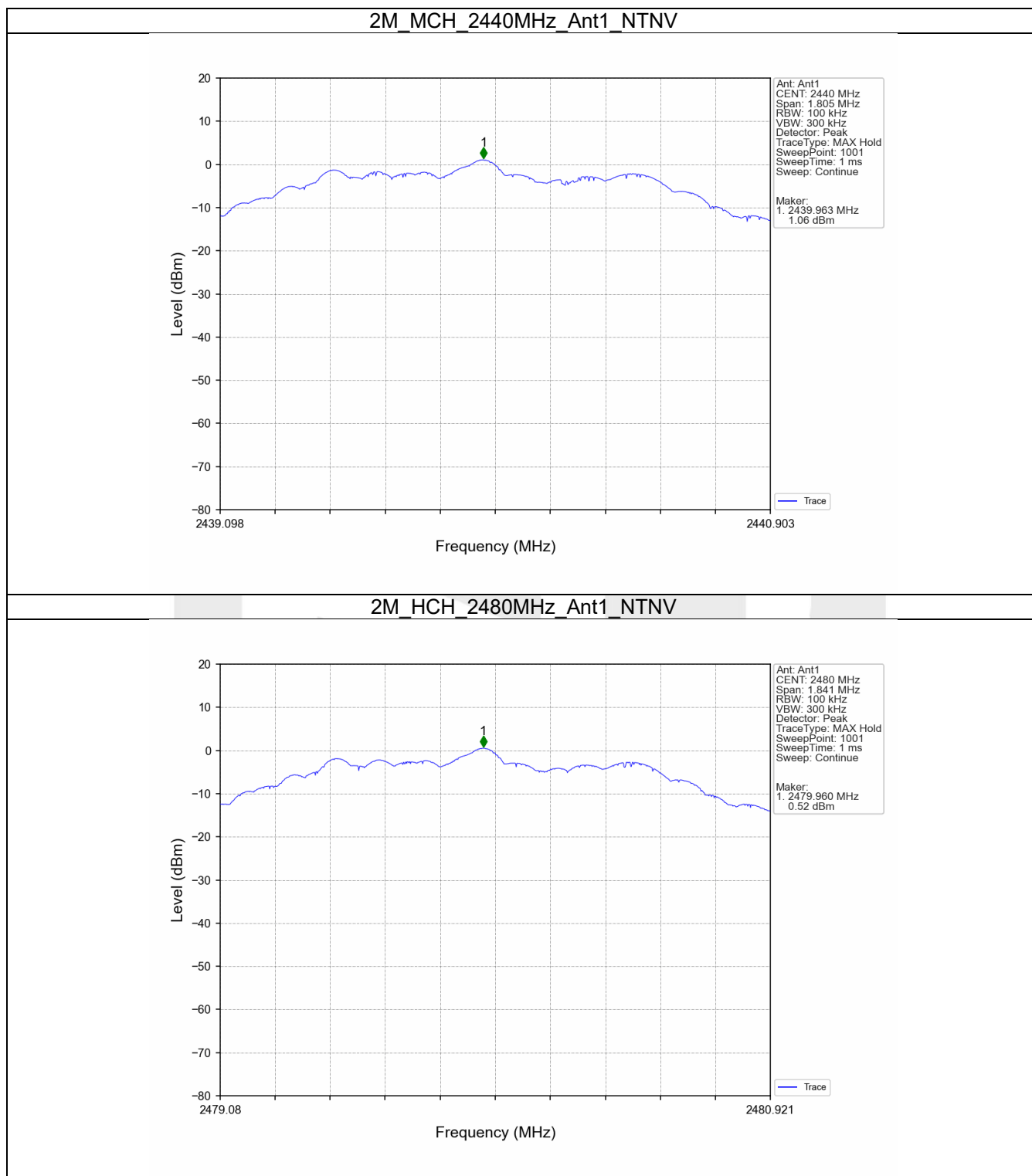
| Mode                                                                                                                                            | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-----|--------------------------|-------------|---------|
| 1M                                                                                                                                              | SISO    | 2402            | 1   | -0.26                    | -20.26      | Pass    |
|                                                                                                                                                 |         | 2440            | 1   | -1.03                    | -21.03      | Pass    |
|                                                                                                                                                 |         | 2480            | 1   | -0.67                    | -20.67      | Pass    |
| 2M                                                                                                                                              | SISO    | 2402            | 1   | 0.17                     | -19.83      | Pass    |
|                                                                                                                                                 |         | 2440            | 1   | 1.06                     | -18.94      | Pass    |
|                                                                                                                                                 |         | 2480            | 1   | 0.52                     | -19.48      | 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 Test Graph

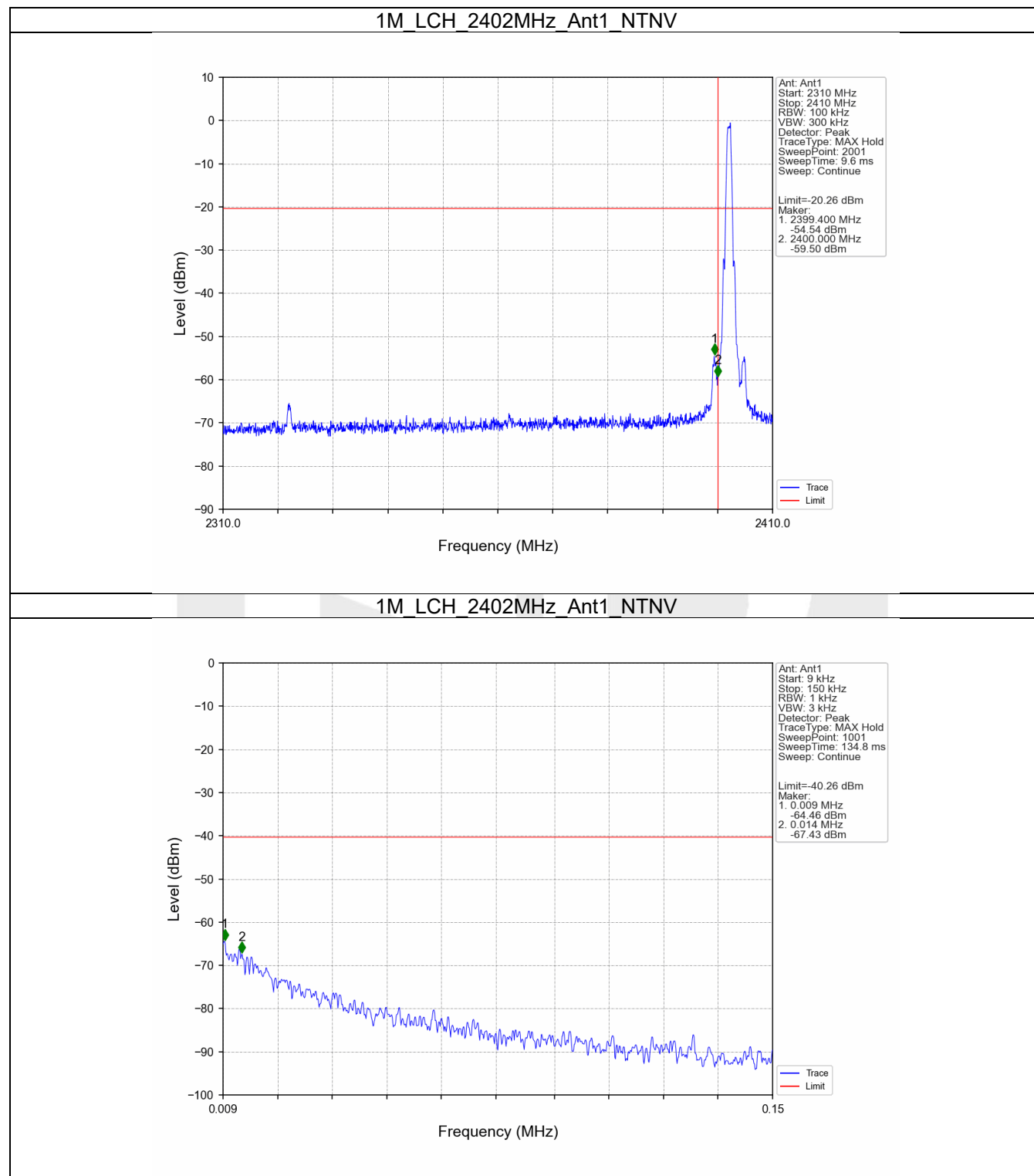
### 5.2.1 Ref

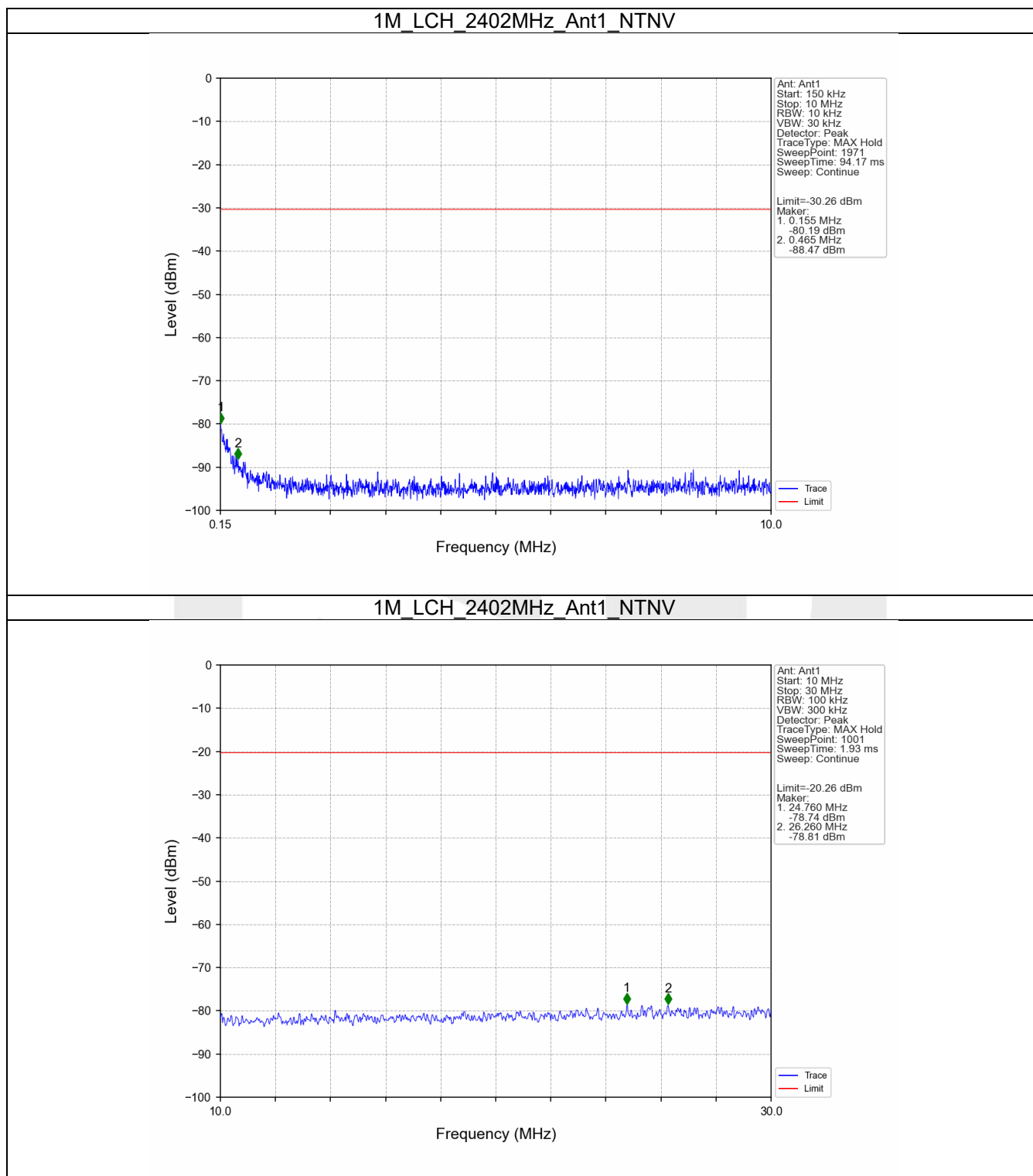


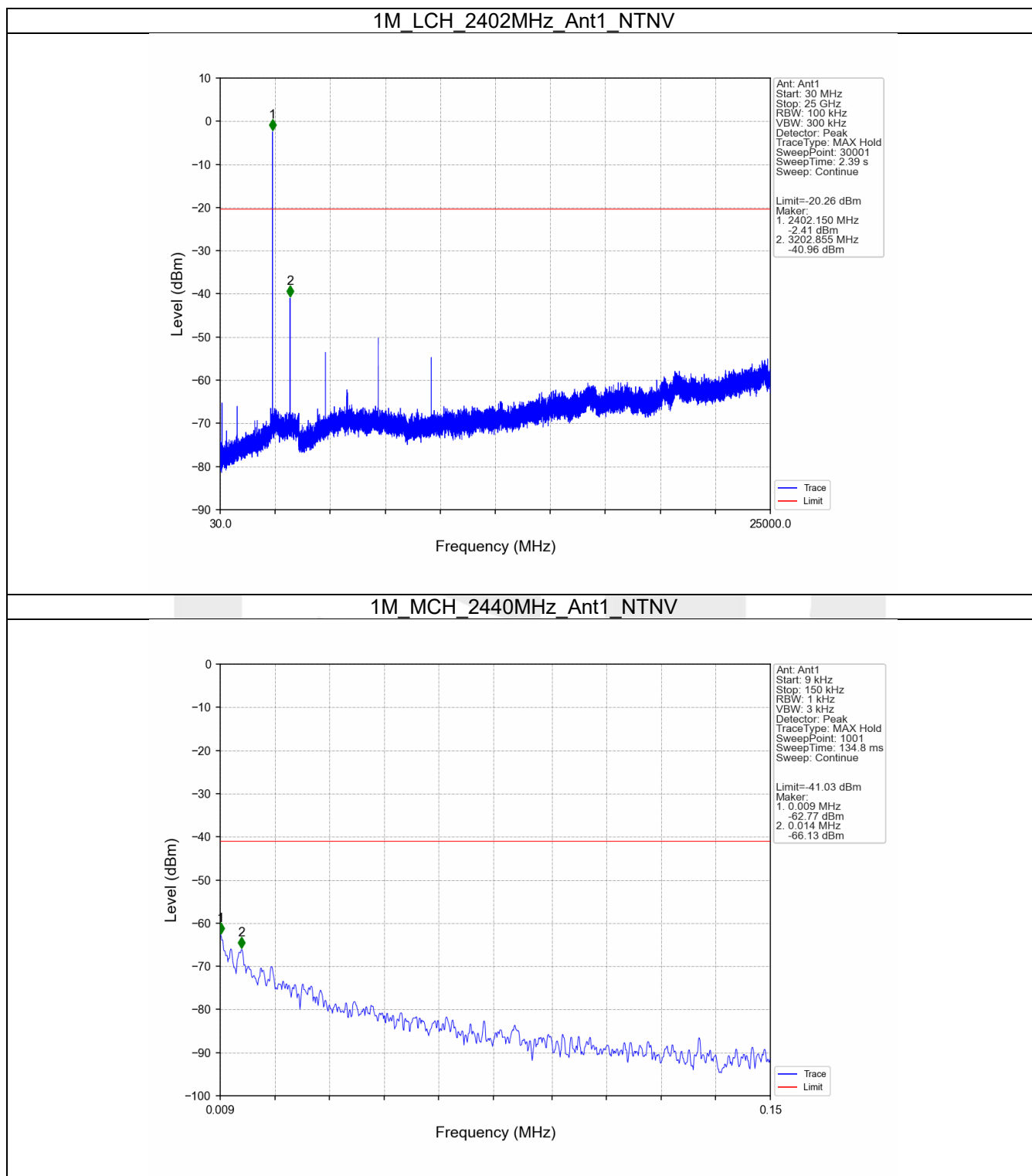


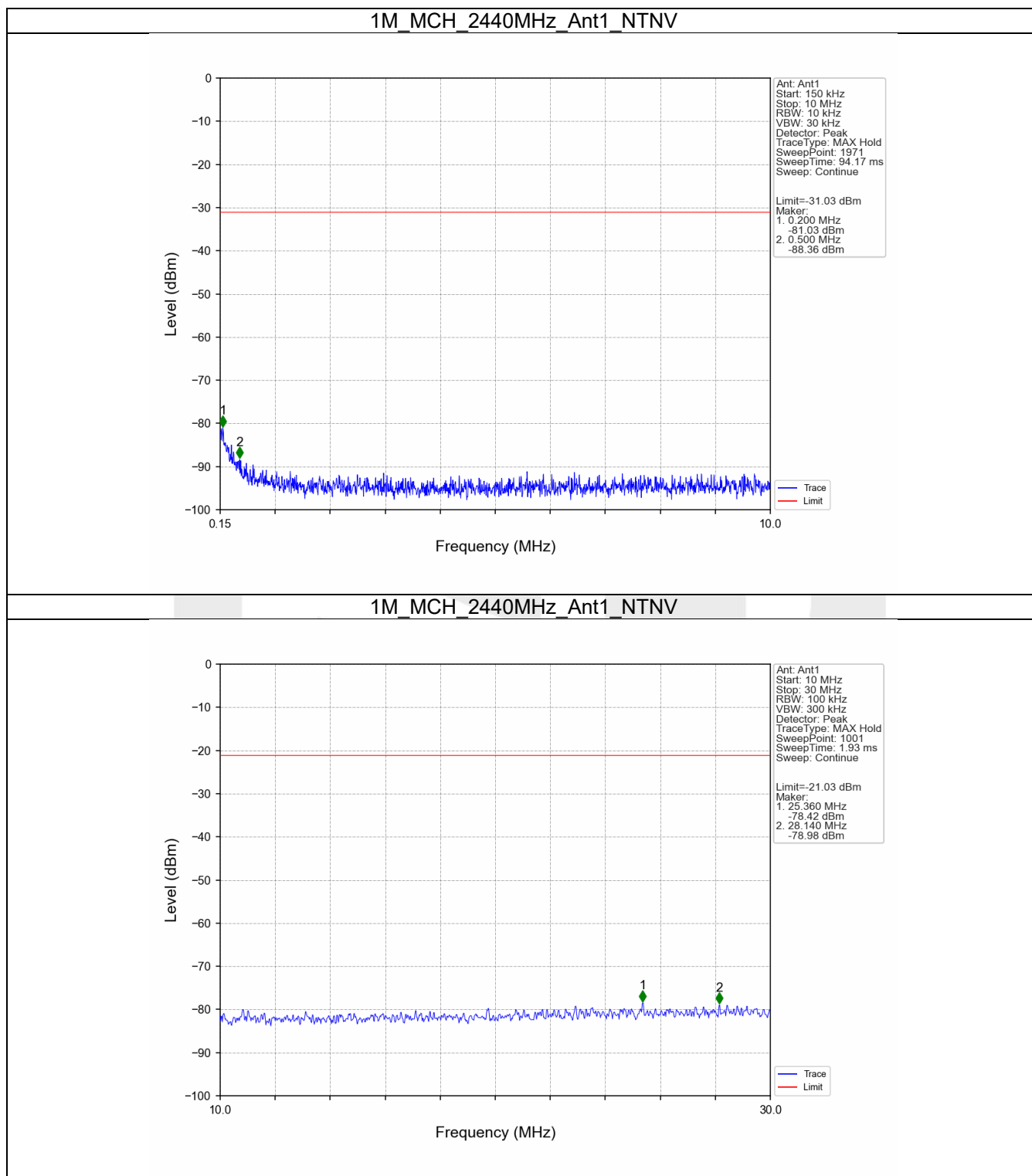


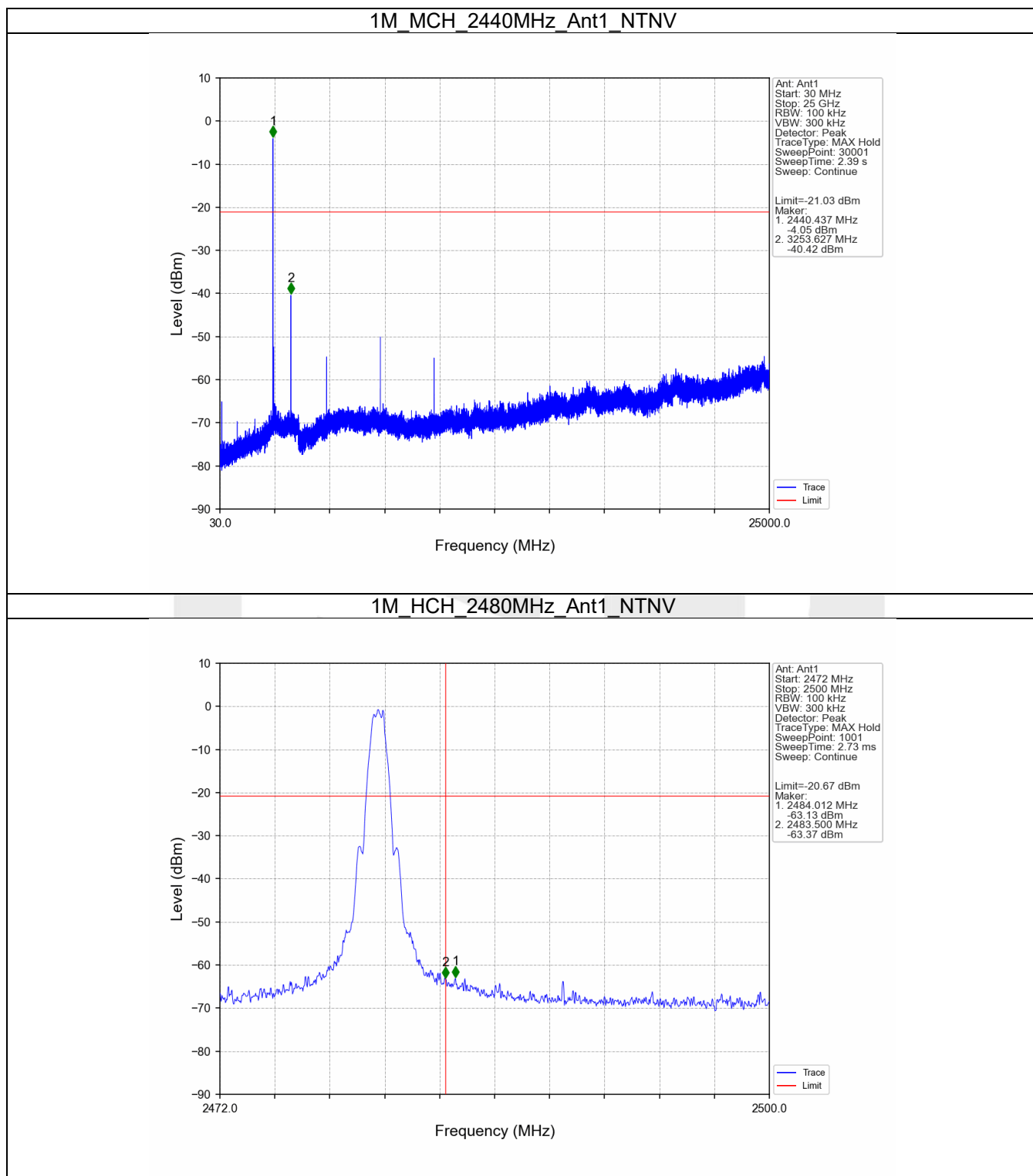
## 5.2.2 CSE

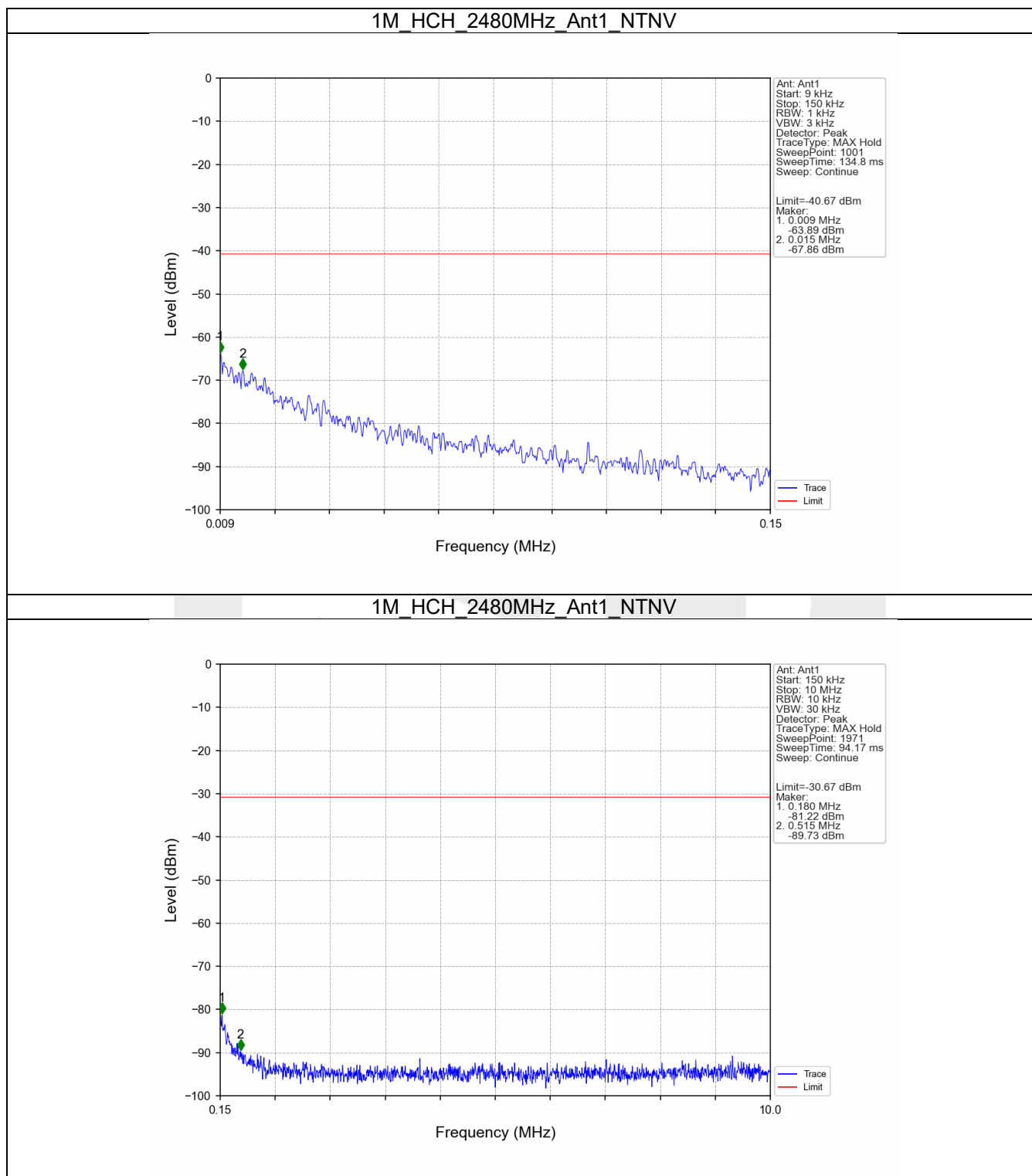


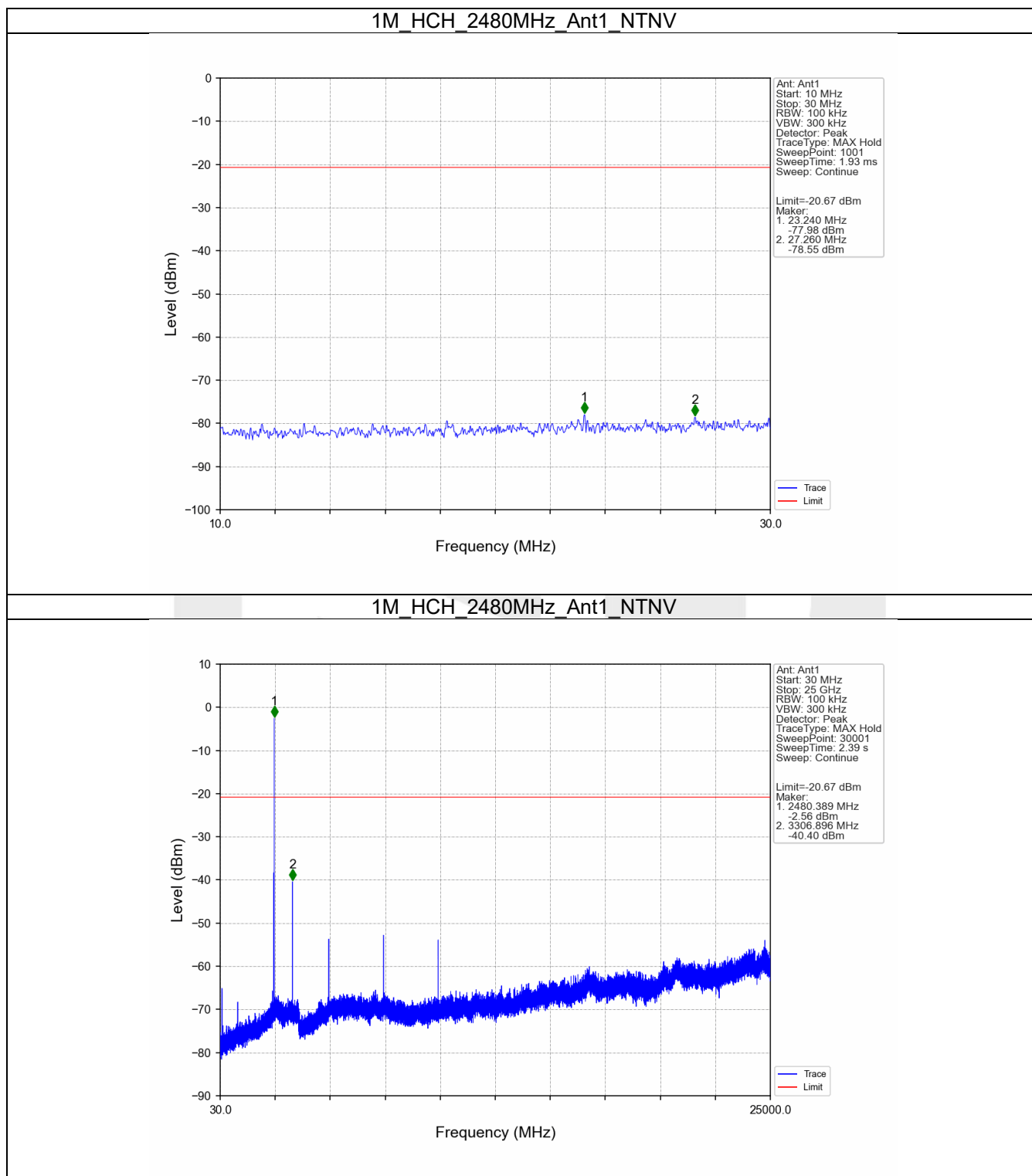


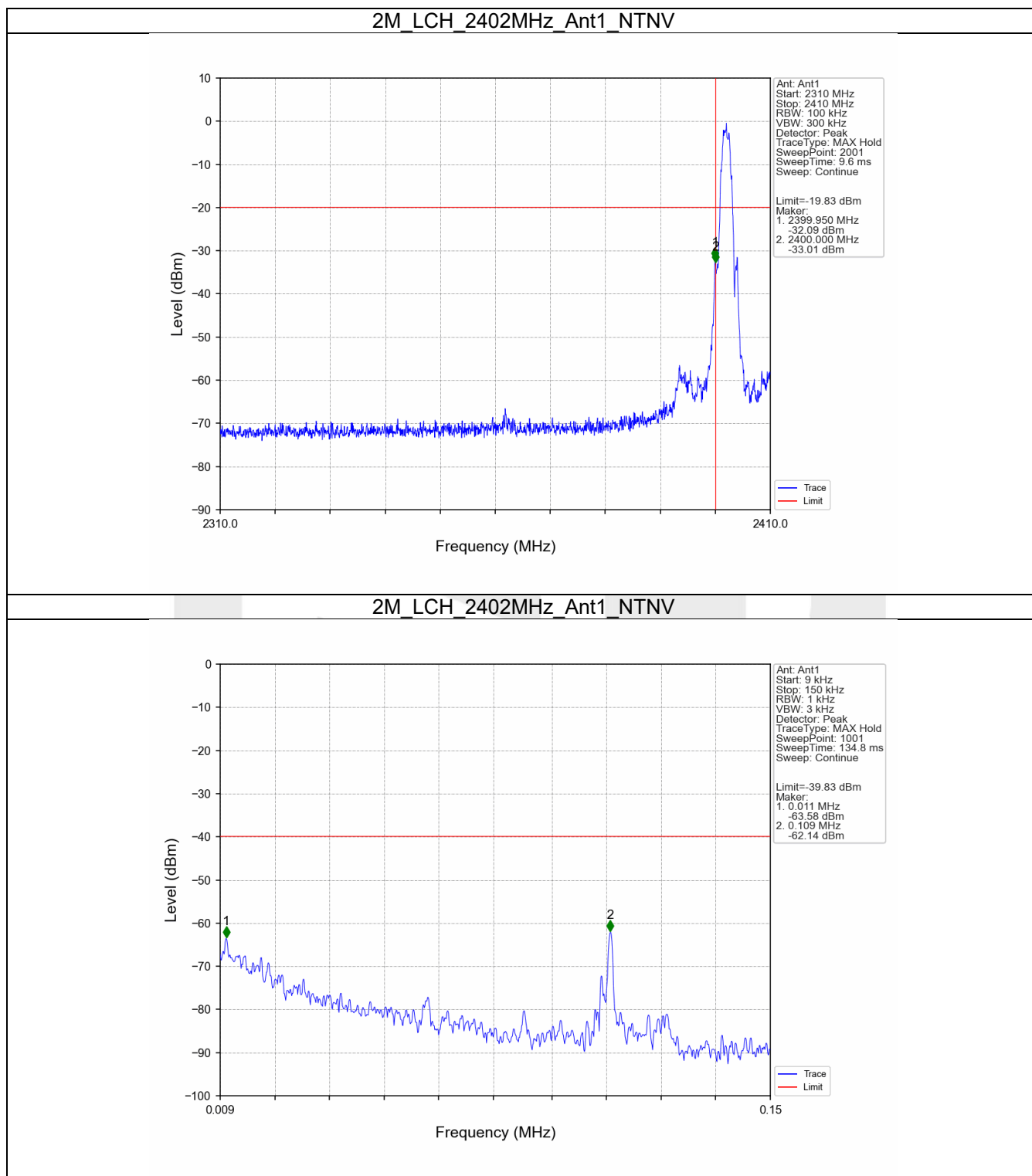


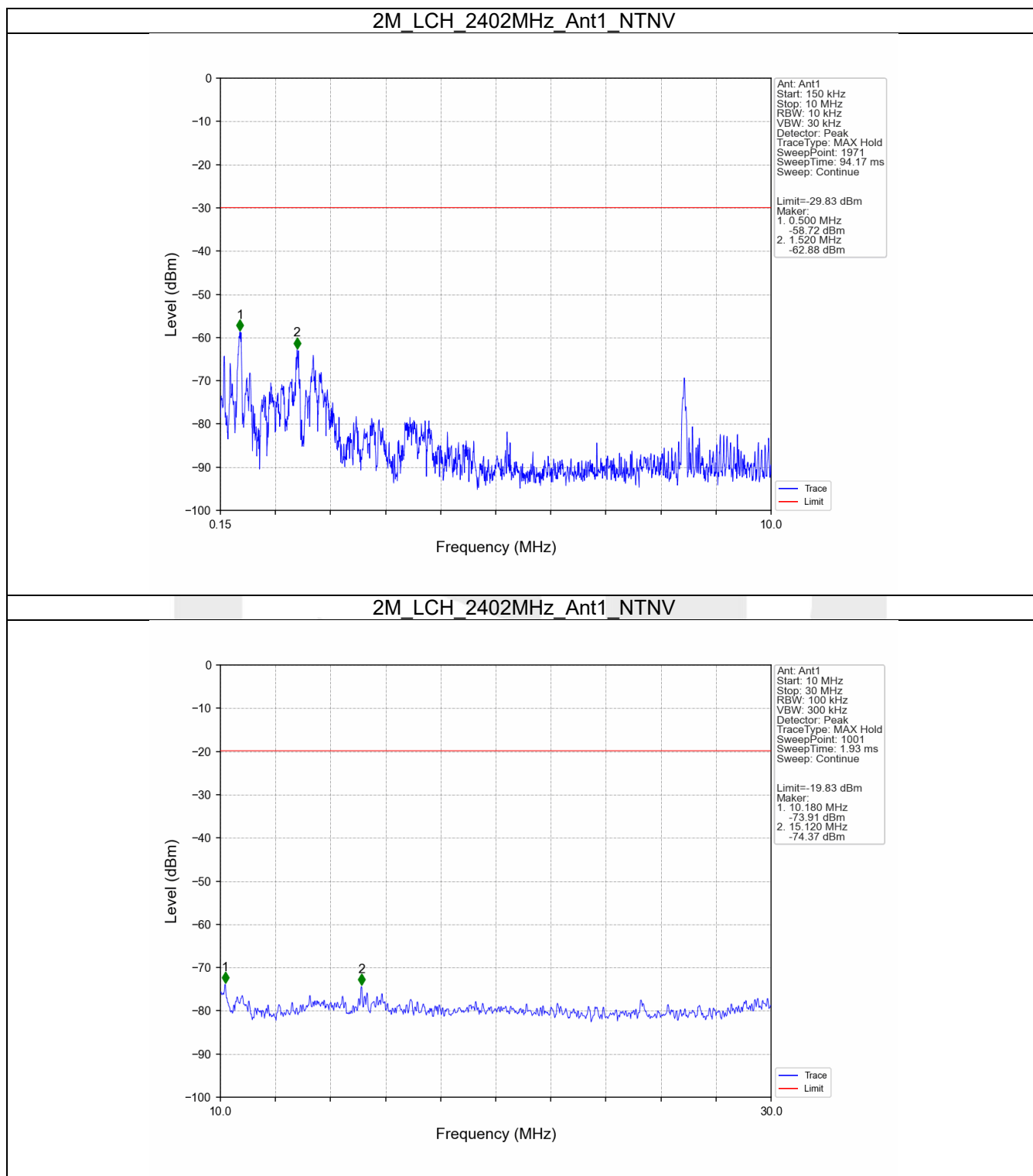


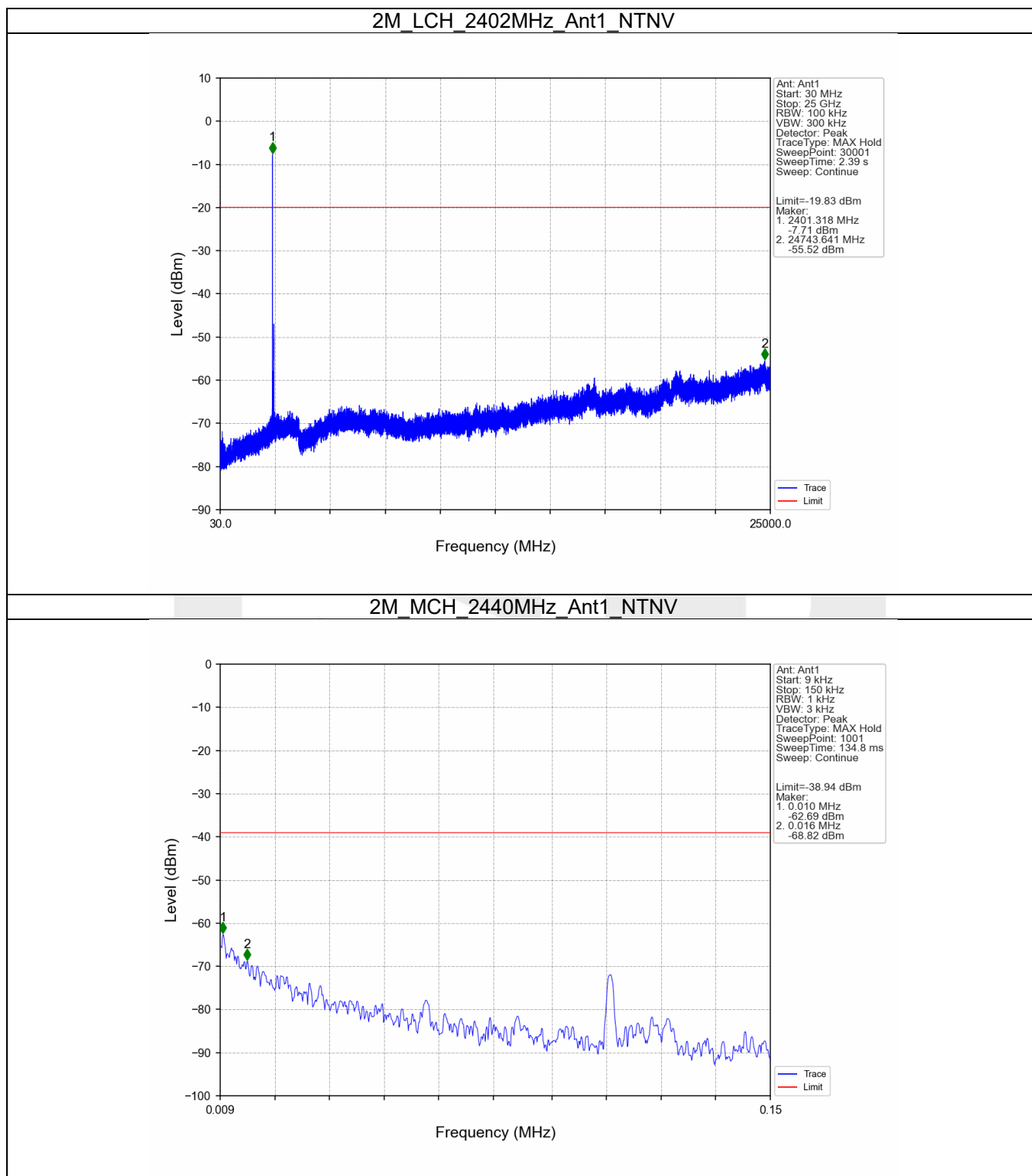


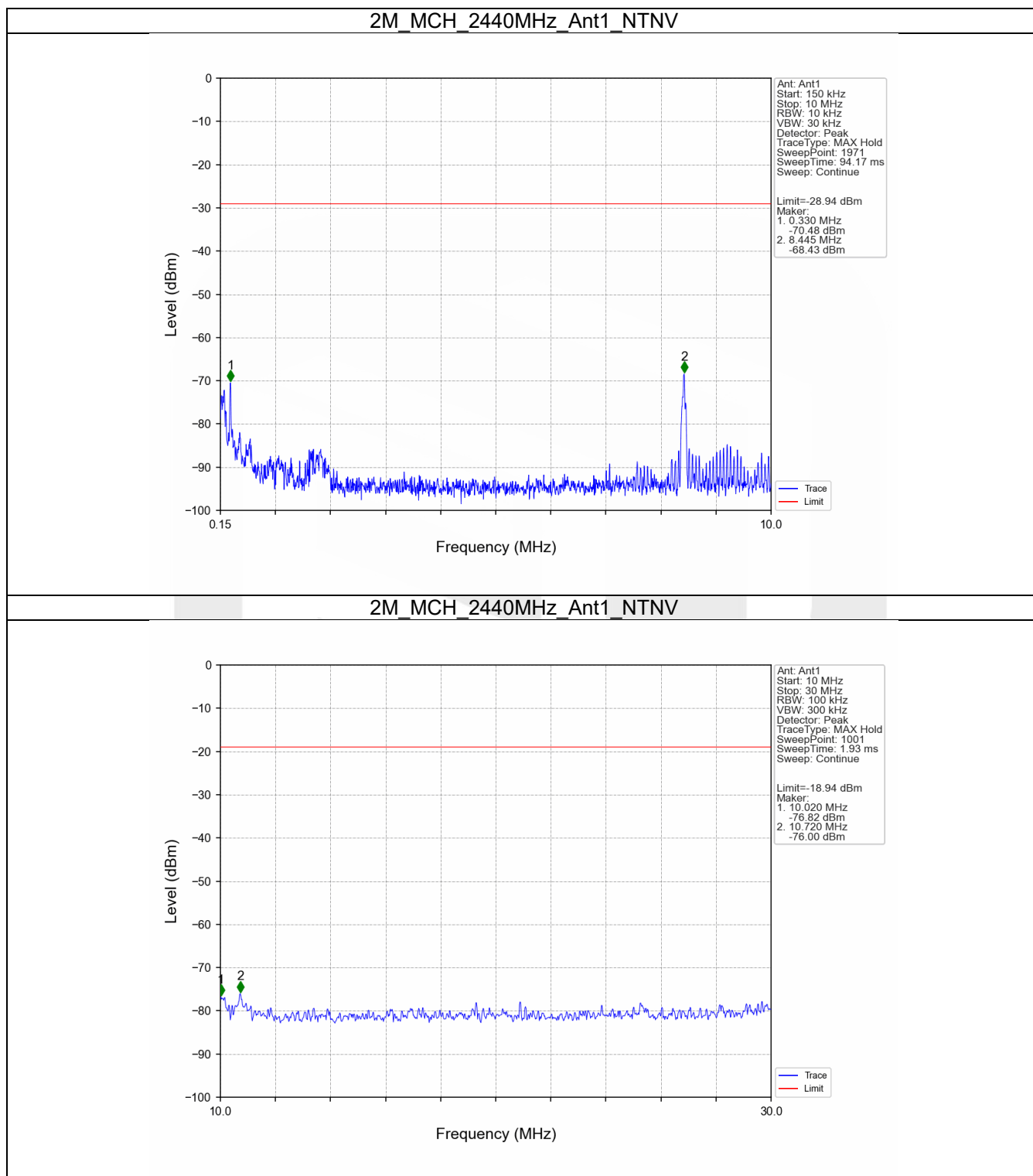


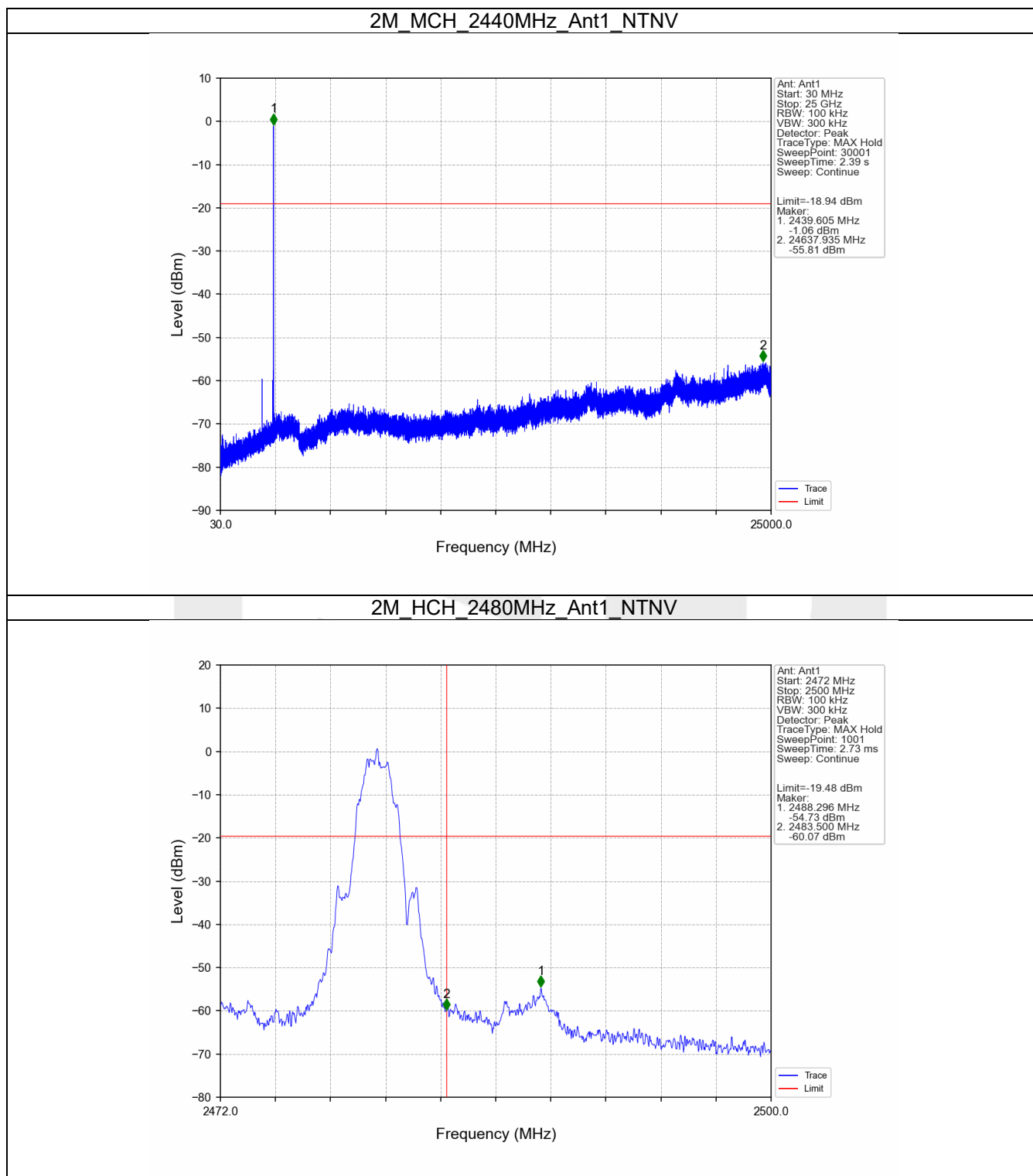


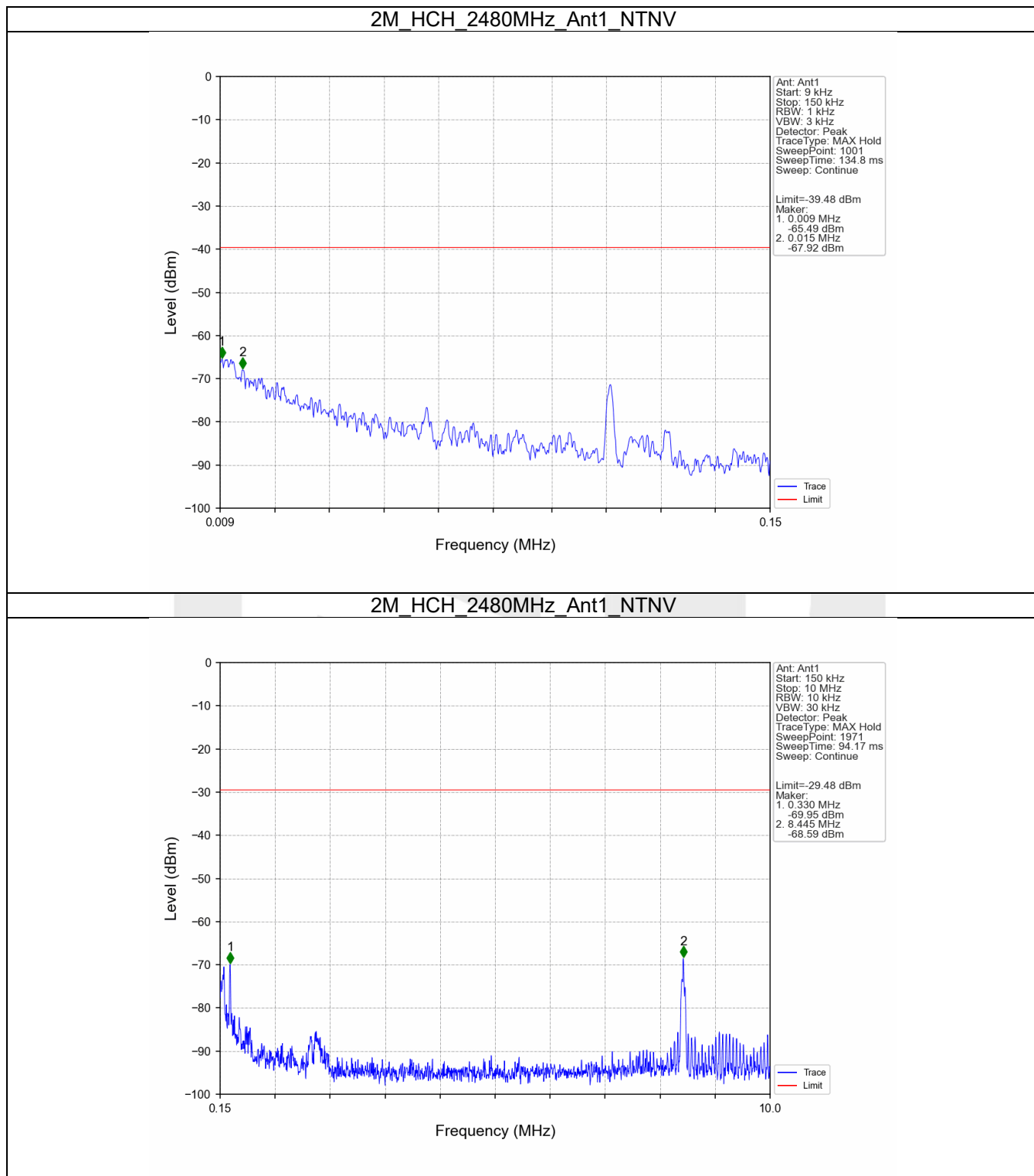


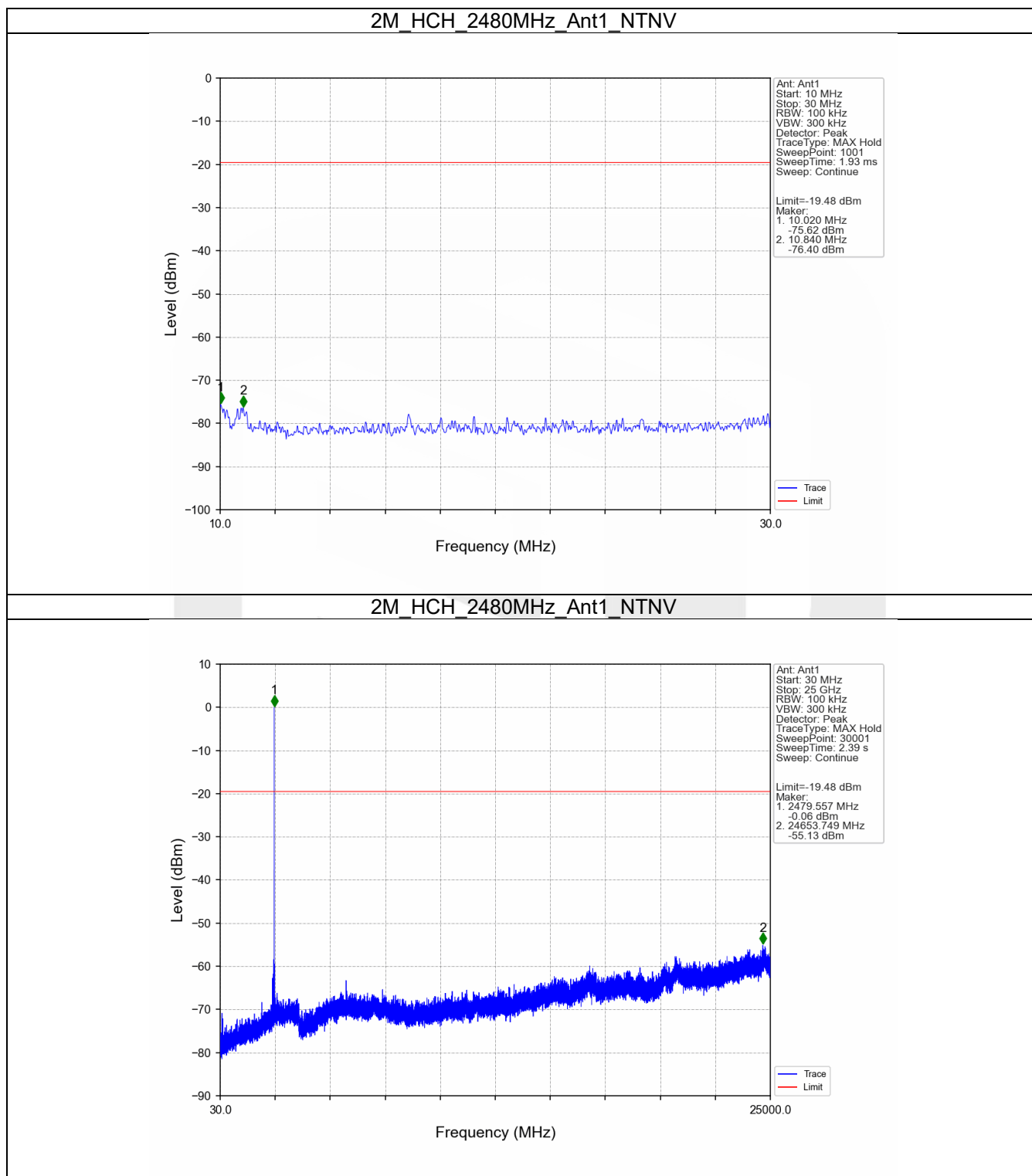












----- End of Report -----