

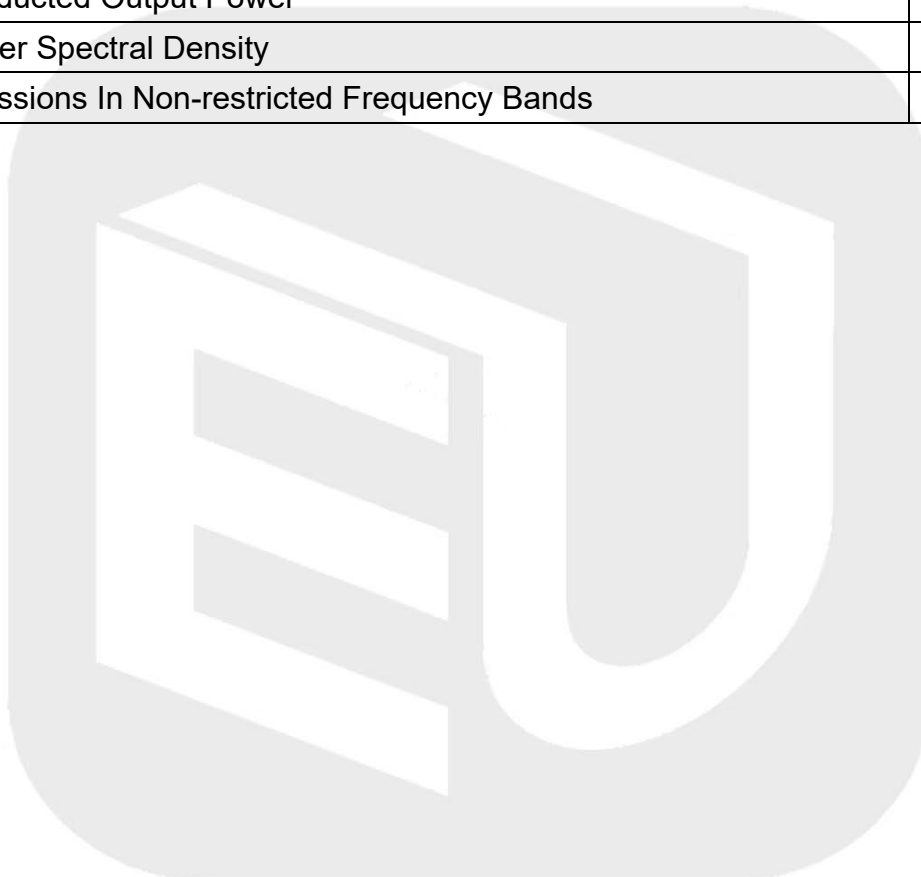
## ANNEX F TEST DATA

For

|                |                                                        |
|----------------|--------------------------------------------------------|
| Project No.:   | 8329EU122511W                                          |
| Client:        | Shenzhen Leku Zhichuang Electronic Technology Co., Ltd |
| Product Name:  | Ride Recorder                                          |
| Model No.:     | K66                                                    |
| FCC ID:        | 2BQ75-K66                                              |
| Technology:    | WiFi 2.4G                                              |
| Test Engineer: | <i>Mikoy zhu</i>                                       |
| Test Date:     | 2025-05-09                                             |

## 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

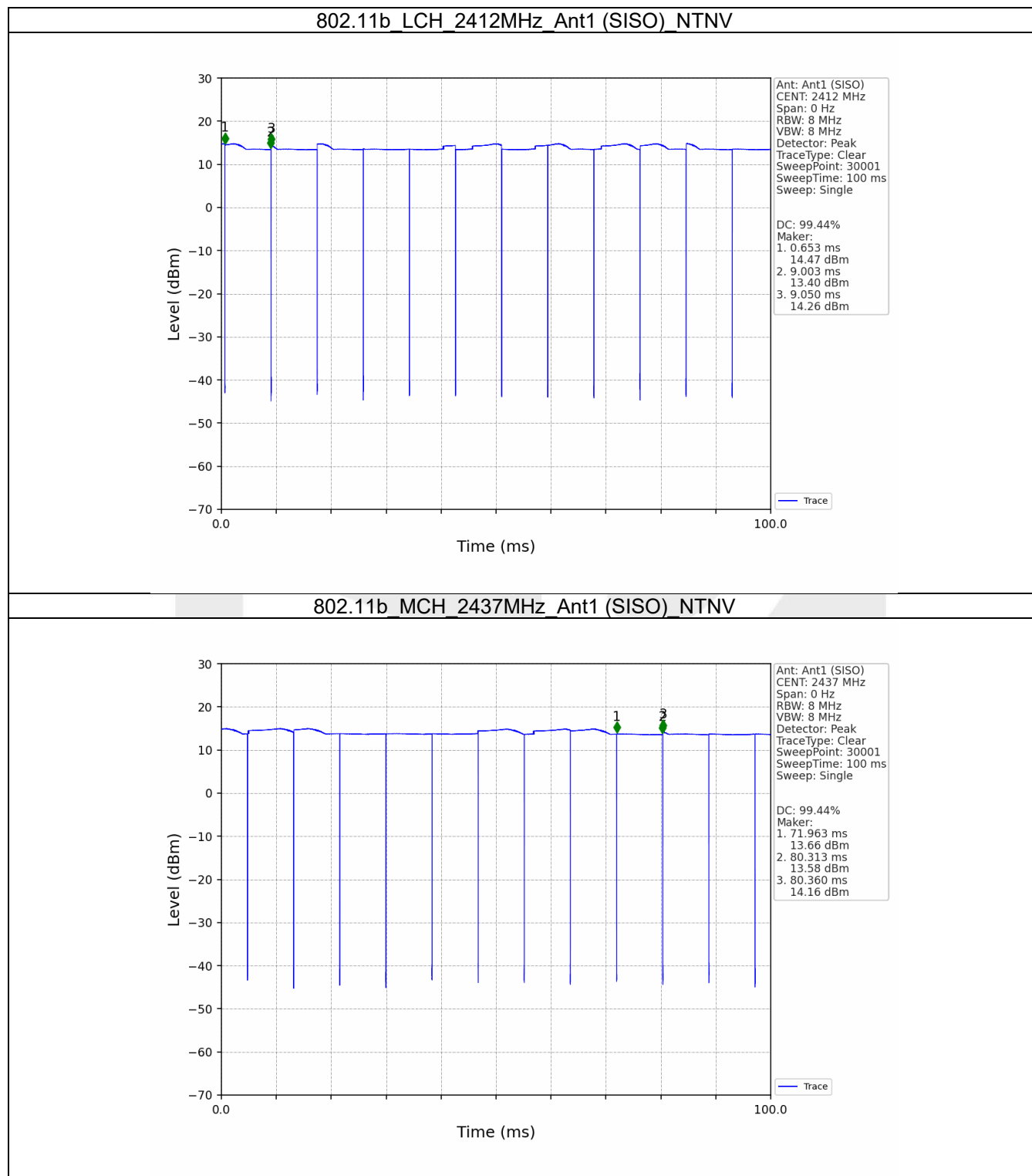
### 1.1 Test Result

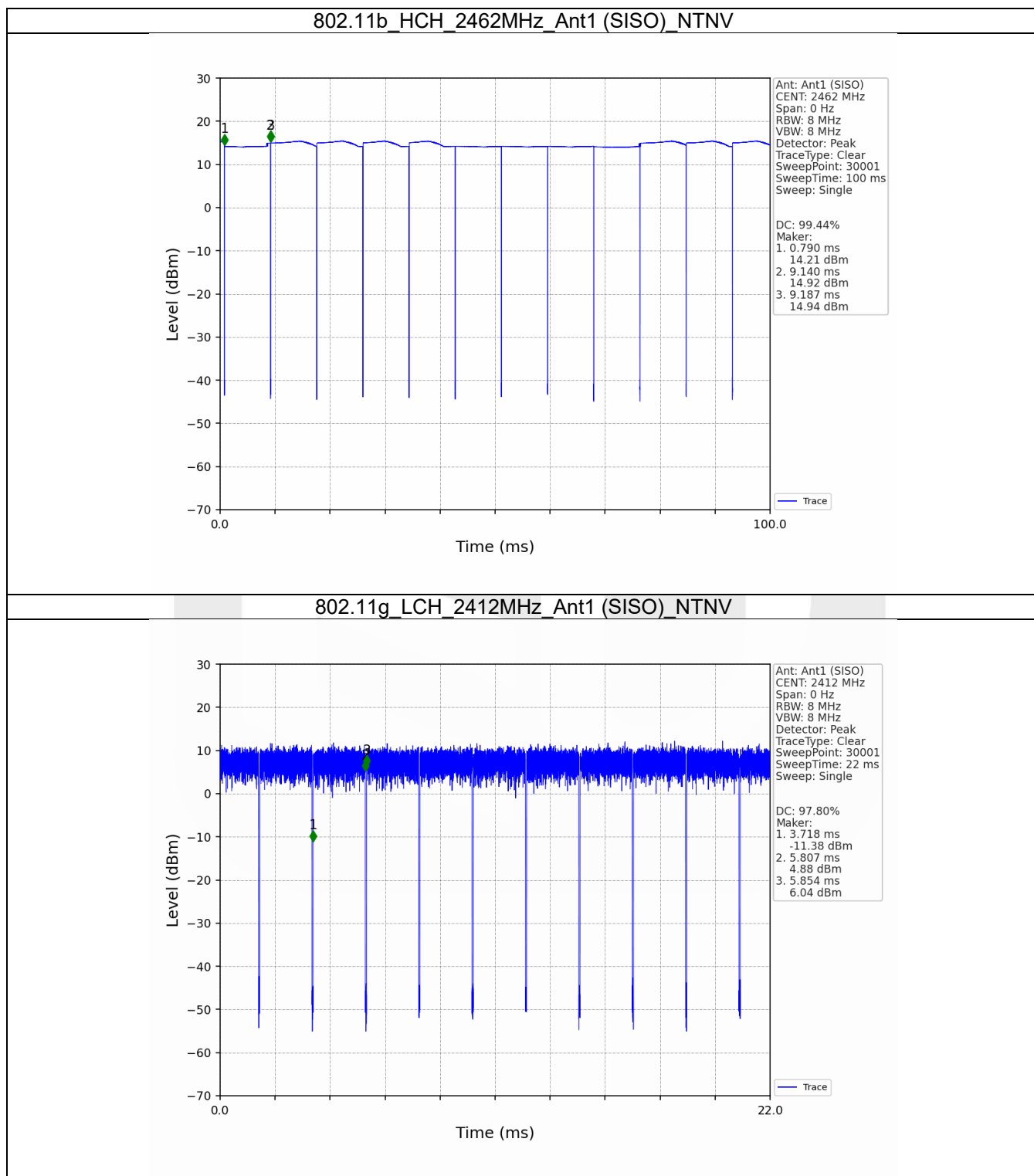
#### 1.1.1 Ant1

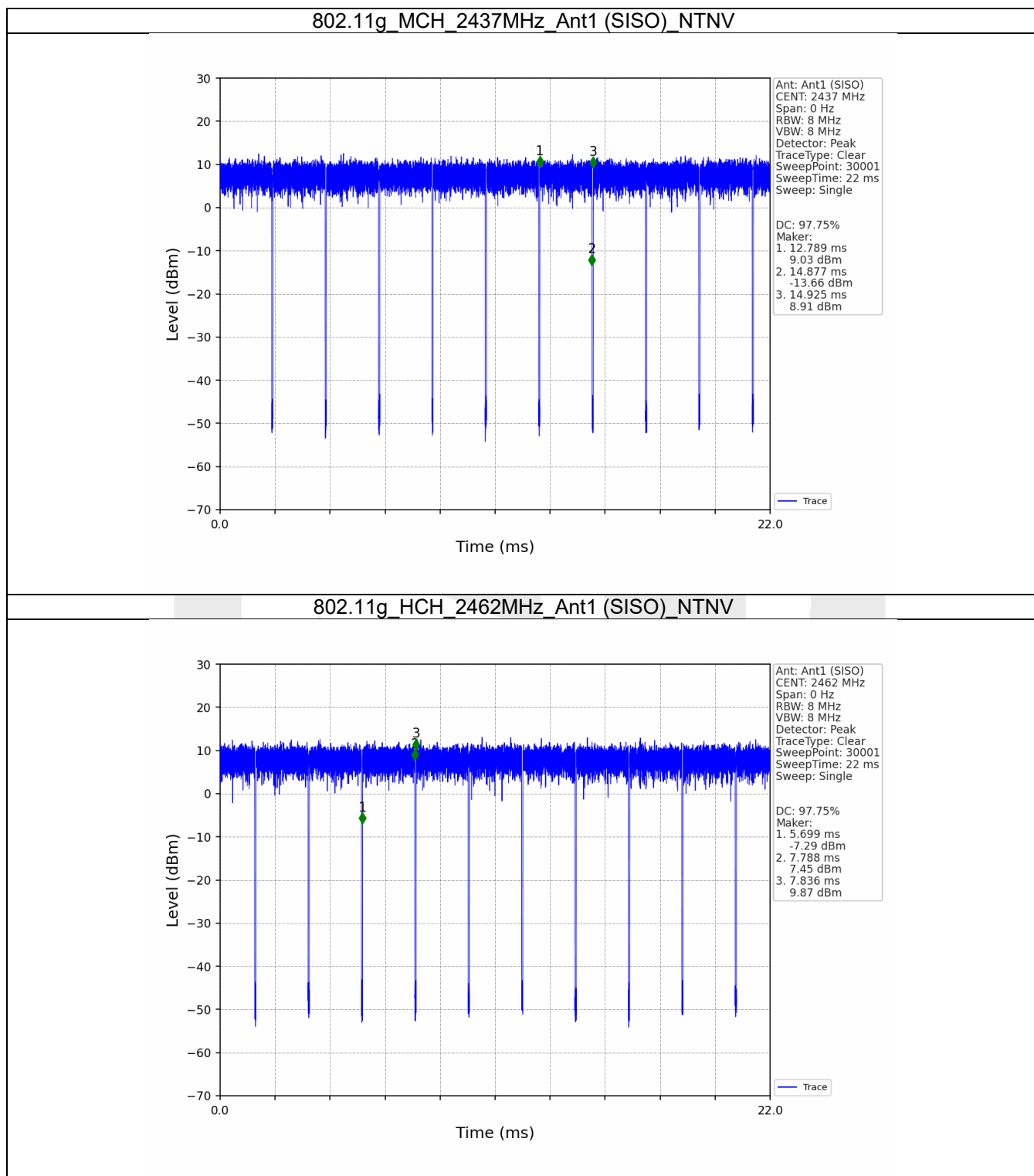
| Ant1           |         |                 |           |             |                |                                   |                       |
|----------------|---------|-----------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode           | TX Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 802.11b        | SISO    | 2412            | 8.350     | 8.397       | 99.44          | 0.02                              | 0.04                  |
|                |         | 2437            | 8.350     | 8.397       | 99.44          | 0.02                              | 0.04                  |
|                |         | 2462            | 8.350     | 8.397       | 99.44          | 0.02                              | 0.04                  |
| 802.11g        | SISO    | 2412            | 2.089     | 2.136       | 97.80          | 0.10                              | 0.07                  |
|                |         | 2437            | 2.088     | 2.136       | 97.75          | 0.10                              | 0.07                  |
|                |         | 2462            | 2.089     | 2.137       | 97.75          | 0.10                              | 0.07                  |
| 802.11n (HT20) | SISO    | 2412            | 3.976     | 4.023       | 98.83          | 0.05                              | 0.03                  |
|                |         | 2437            | 3.976     | 4.024       | 98.81          | 0.05                              | 0.03                  |
|                |         | 2462            | 3.976     | 4.025       | 98.78          | 0.05                              | 0.07                  |

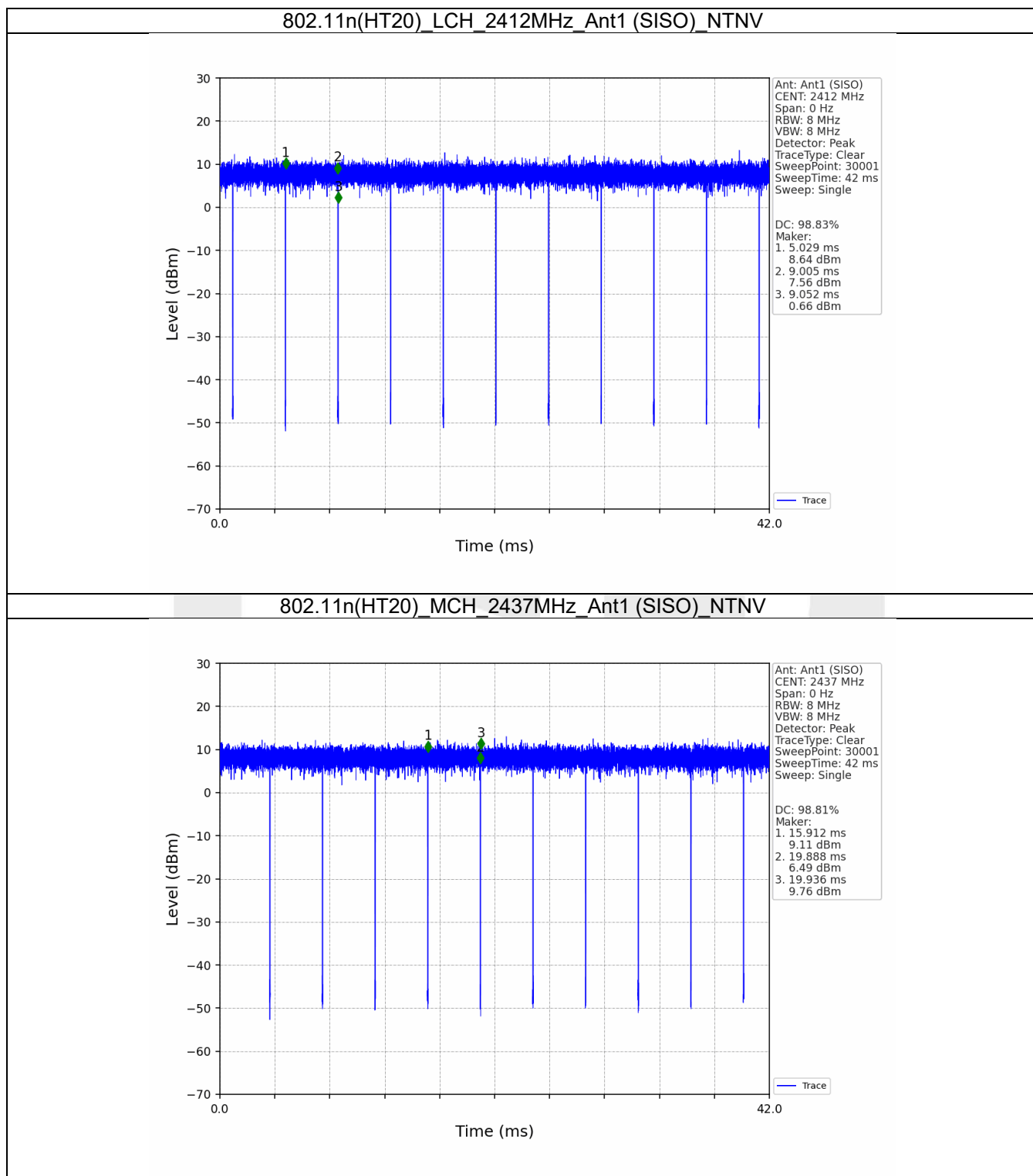
## 1.2 Test Graph

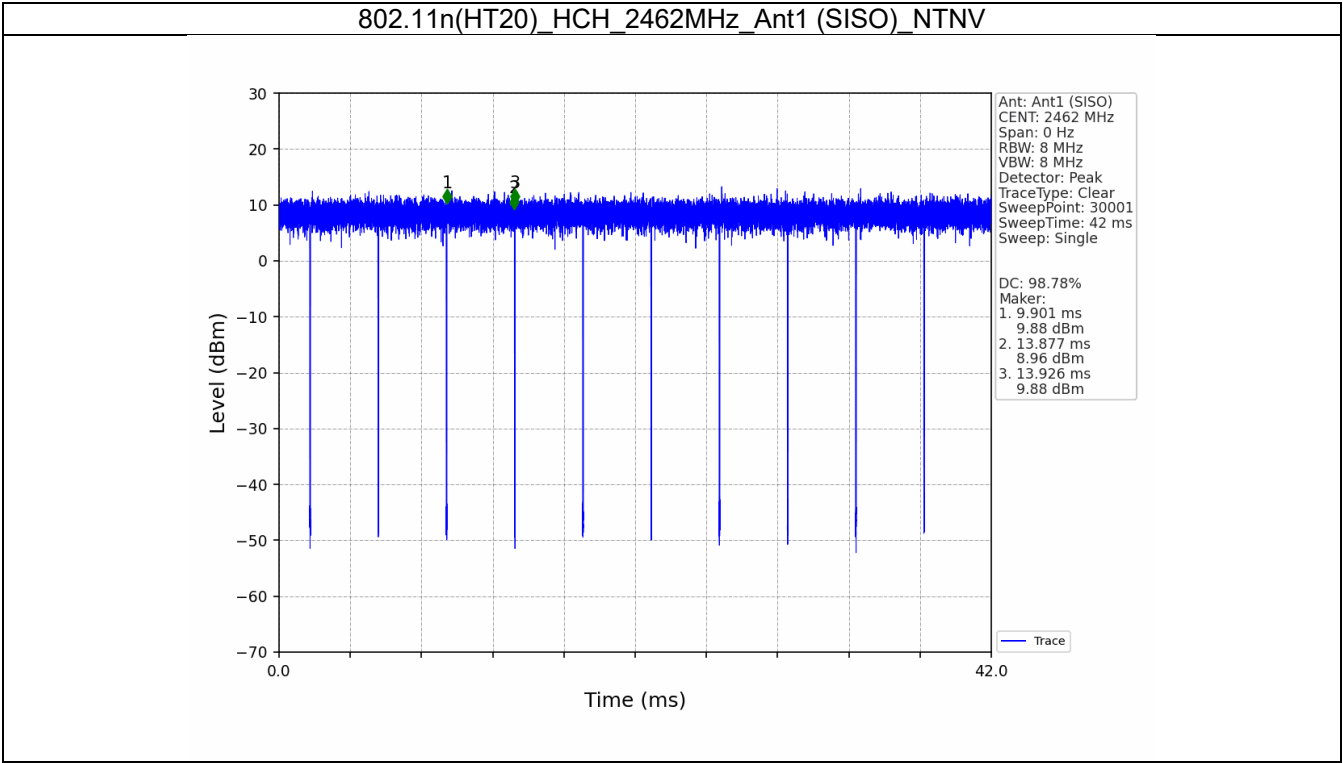
### 1.2.1 Ant1











## 2. Bandwidth

### 2.1 Test Result

#### 2.1.1 OBW

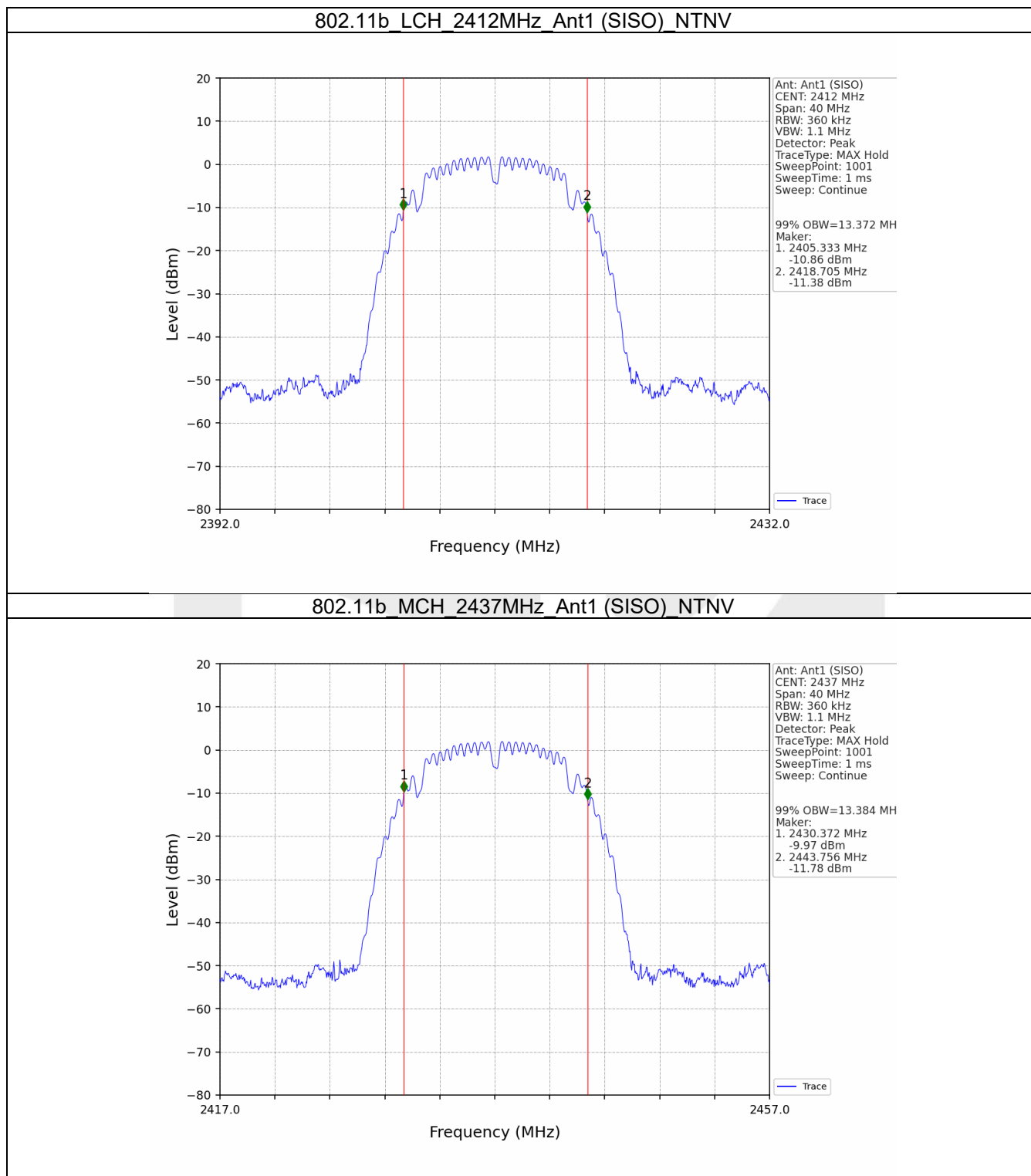
| Mode           | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) |       | Verdict |
|----------------|---------|-----------------|-----|------------------------------|-------|---------|
|                |         |                 |     | Result                       | Limit |         |
| 802.11b        | SISO    | 2412            | 1   | 13.372                       | /     | Pass    |
|                |         | 2437            | 1   | 13.384                       | /     | Pass    |
|                |         | 2462            | 1   | 13.380                       | /     | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 17.784                       | /     | Pass    |
|                |         | 2437            | 1   | 17.796                       | /     | Pass    |
|                |         | 2462            | 1   | 17.792                       | /     | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | 18.747                       | /     | Pass    |
|                |         | 2437            | 1   | 18.760                       | /     | Pass    |
|                |         | 2462            | 1   | 18.736                       | /     | Pass    |

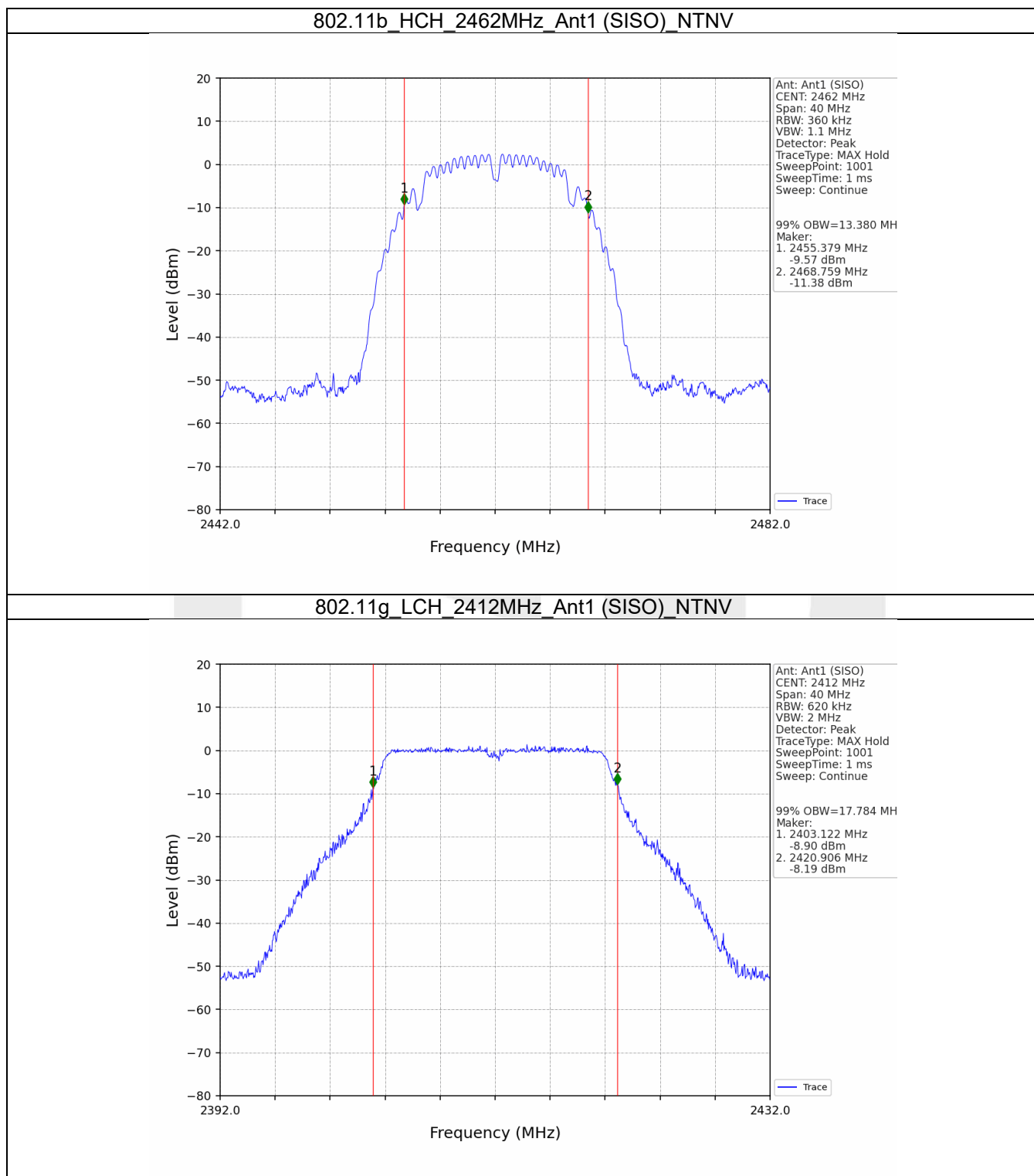
#### 2.1.2 6dB BW

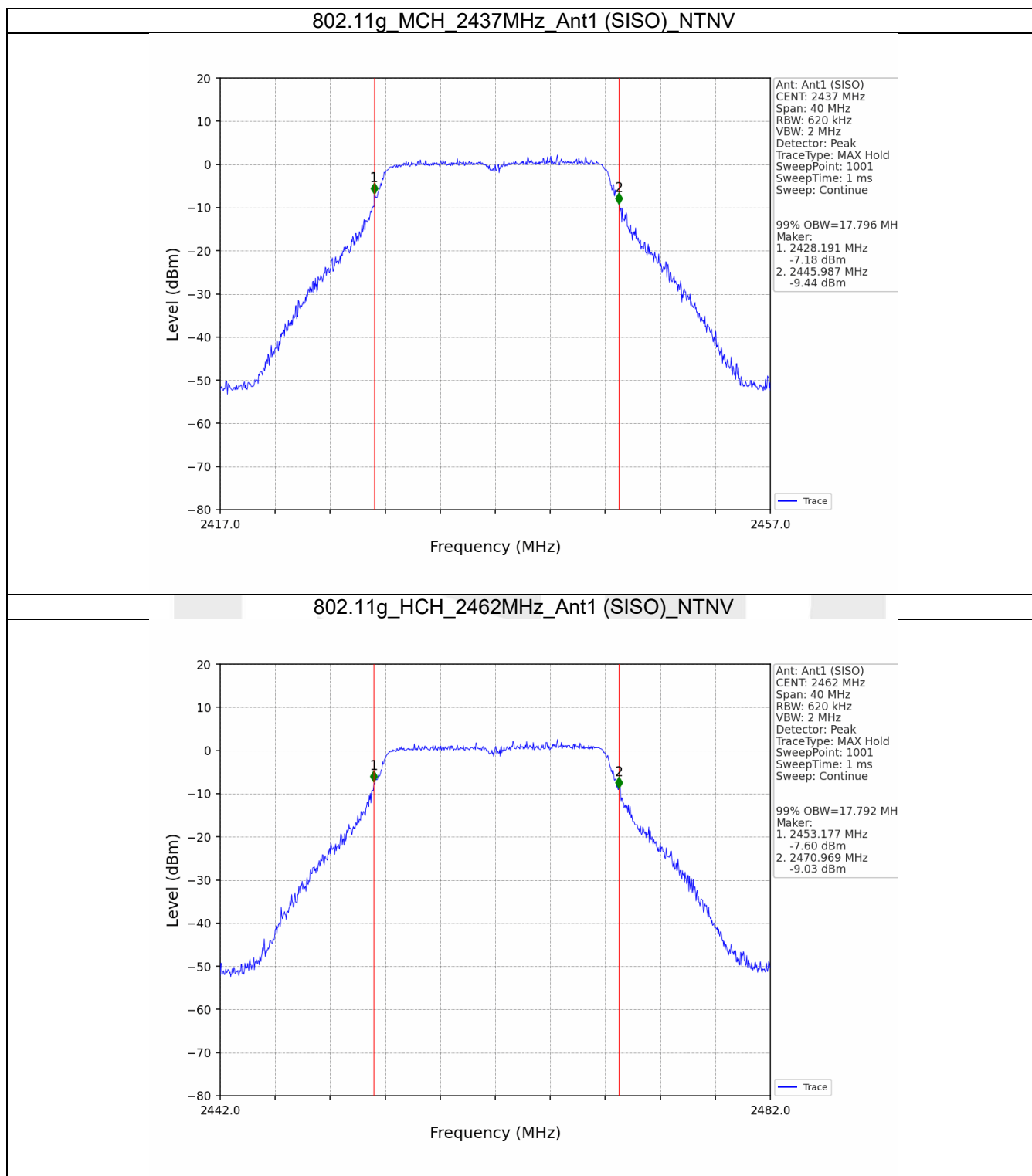
| Mode           | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) |            | Verdict |
|----------------|---------|-----------------|-----|---------------------|------------|---------|
|                |         |                 |     | Result              | Limit      |         |
| 802.11b        | SISO    | 2412            | 1   | 10.351              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 10.350              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 10.351              | $\geq 0.5$ | Pass    |
| 802.11g        | SISO    | 2412            | 1   | 16.621              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 16.533              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 16.586              | $\geq 0.5$ | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | 17.817              | $\geq 0.5$ | Pass    |
|                |         | 2437            | 1   | 17.870              | $\geq 0.5$ | Pass    |
|                |         | 2462            | 1   | 17.788              | $\geq 0.5$ | Pass    |

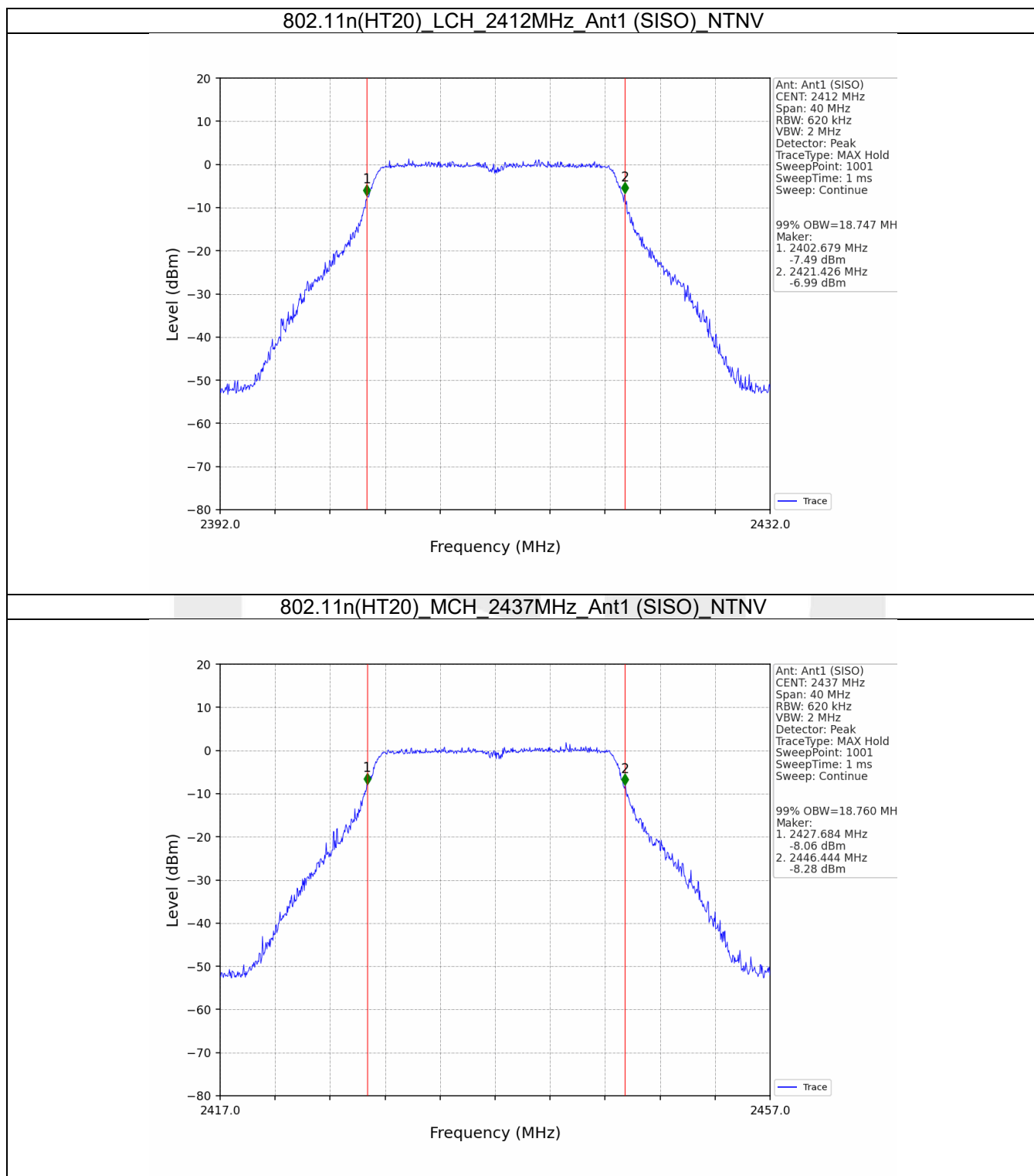
## 2.2 Test Graph

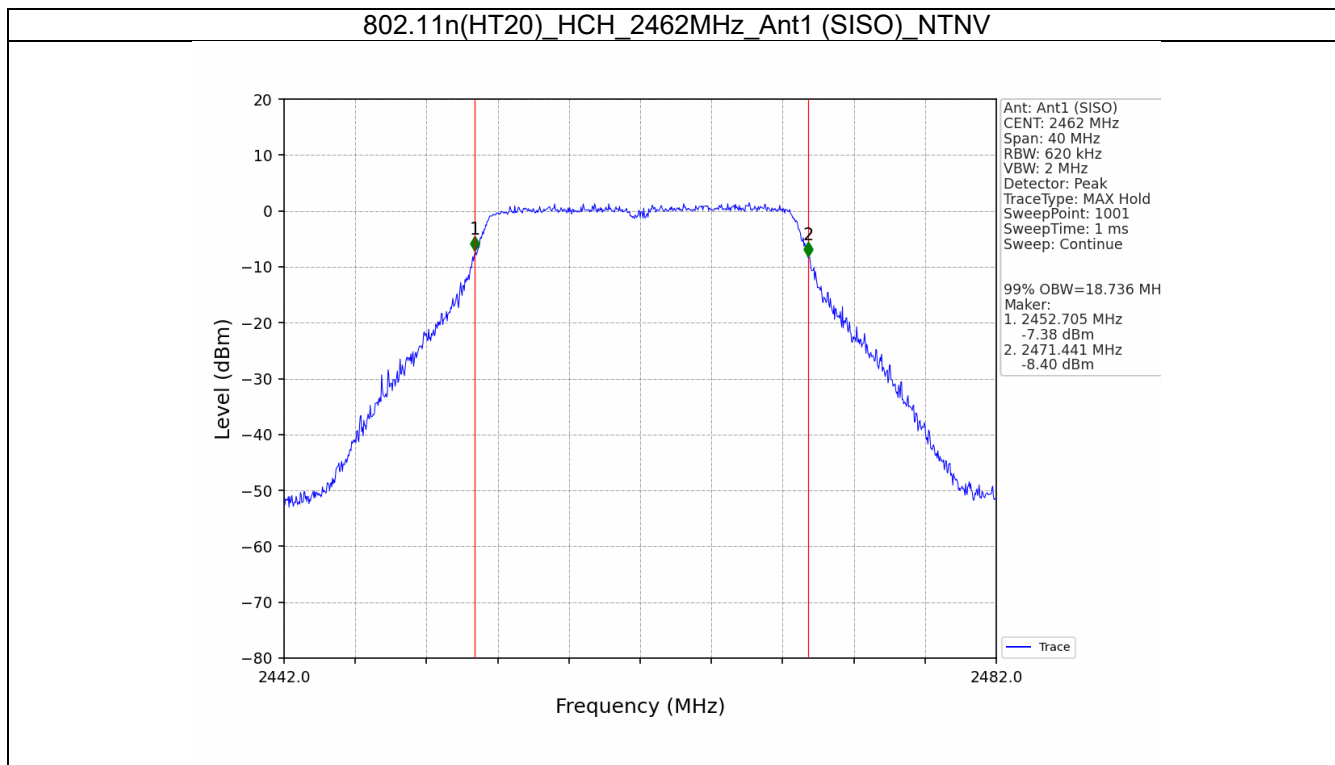
### 2.2.1 OBW



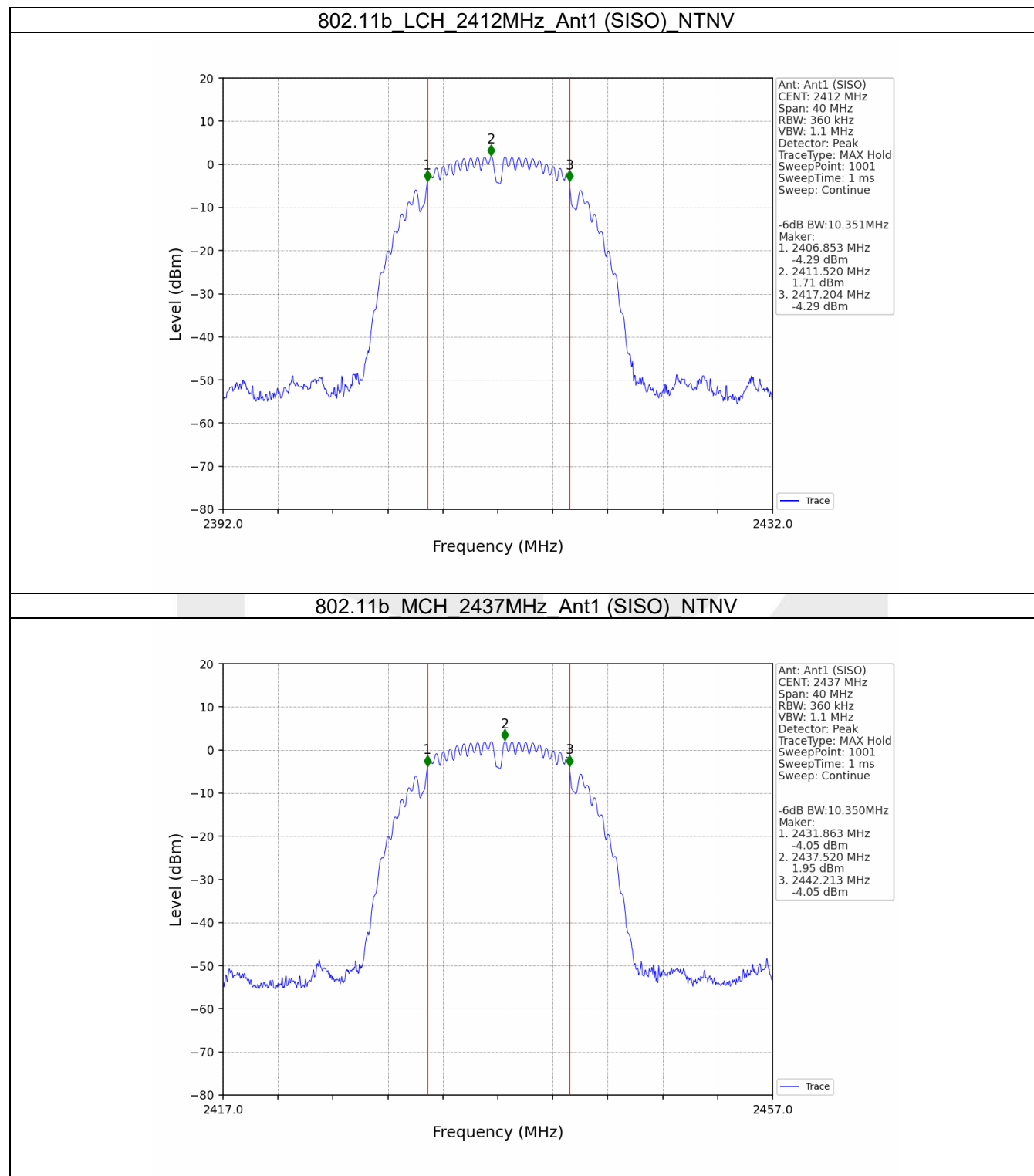


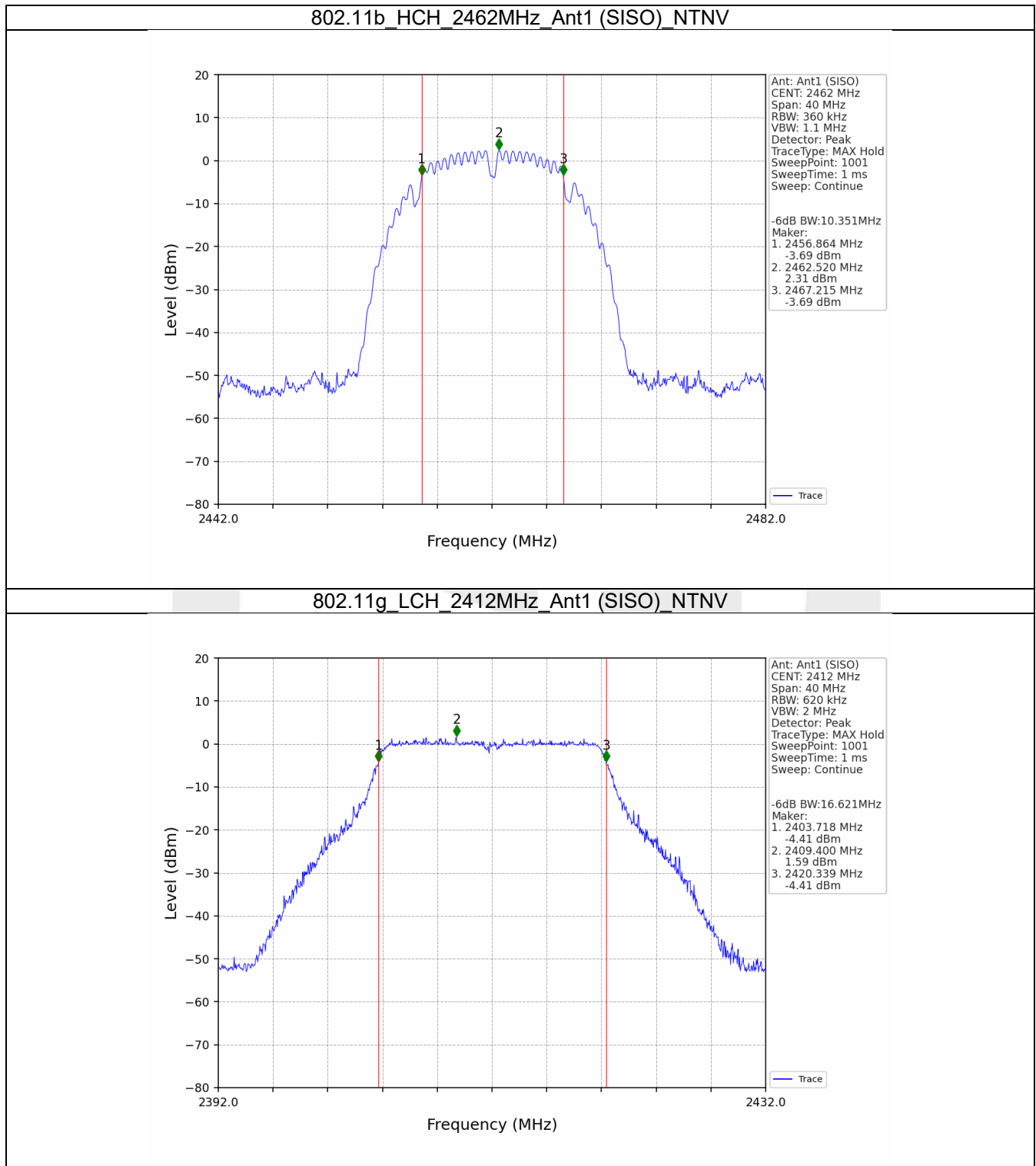


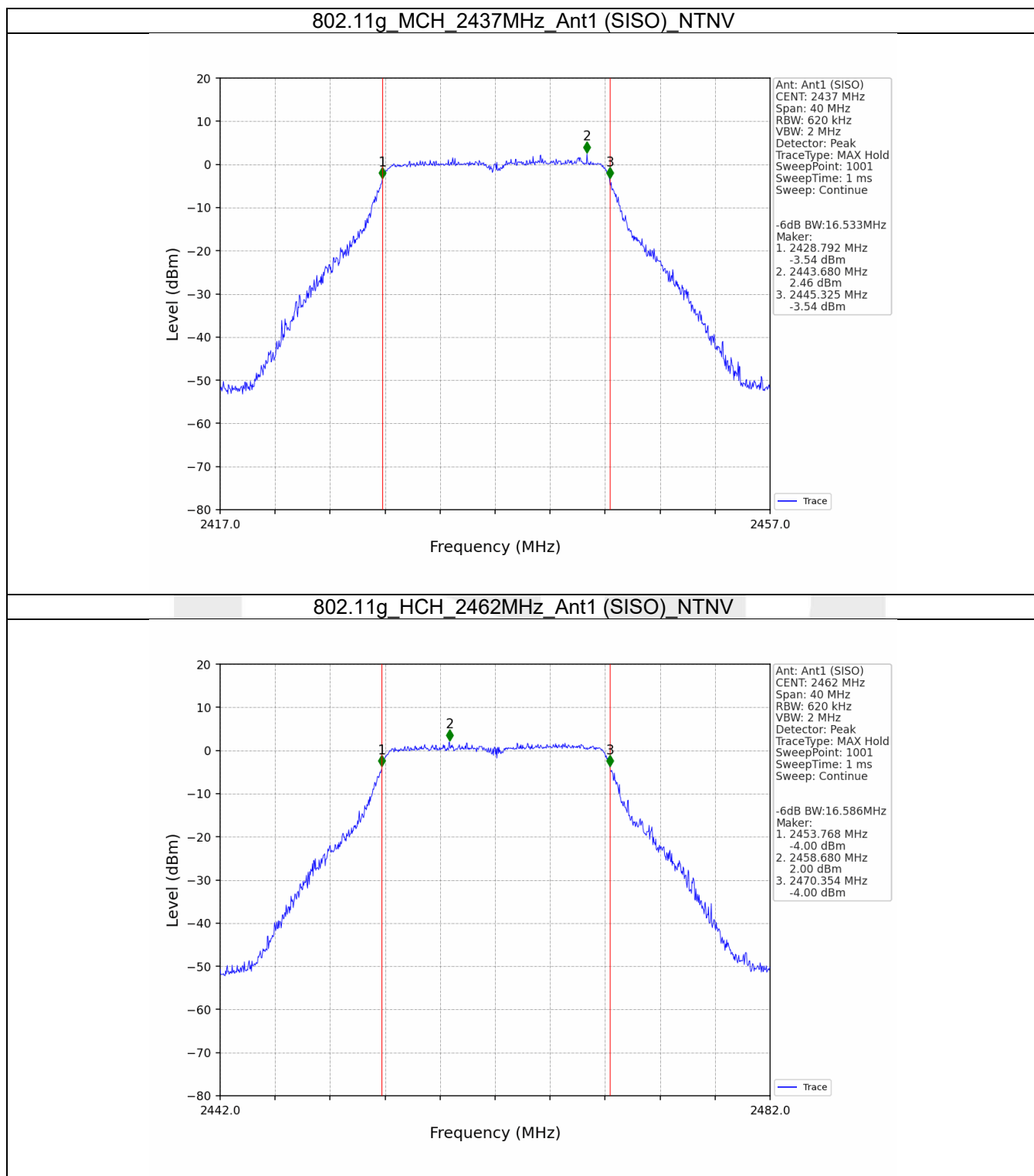


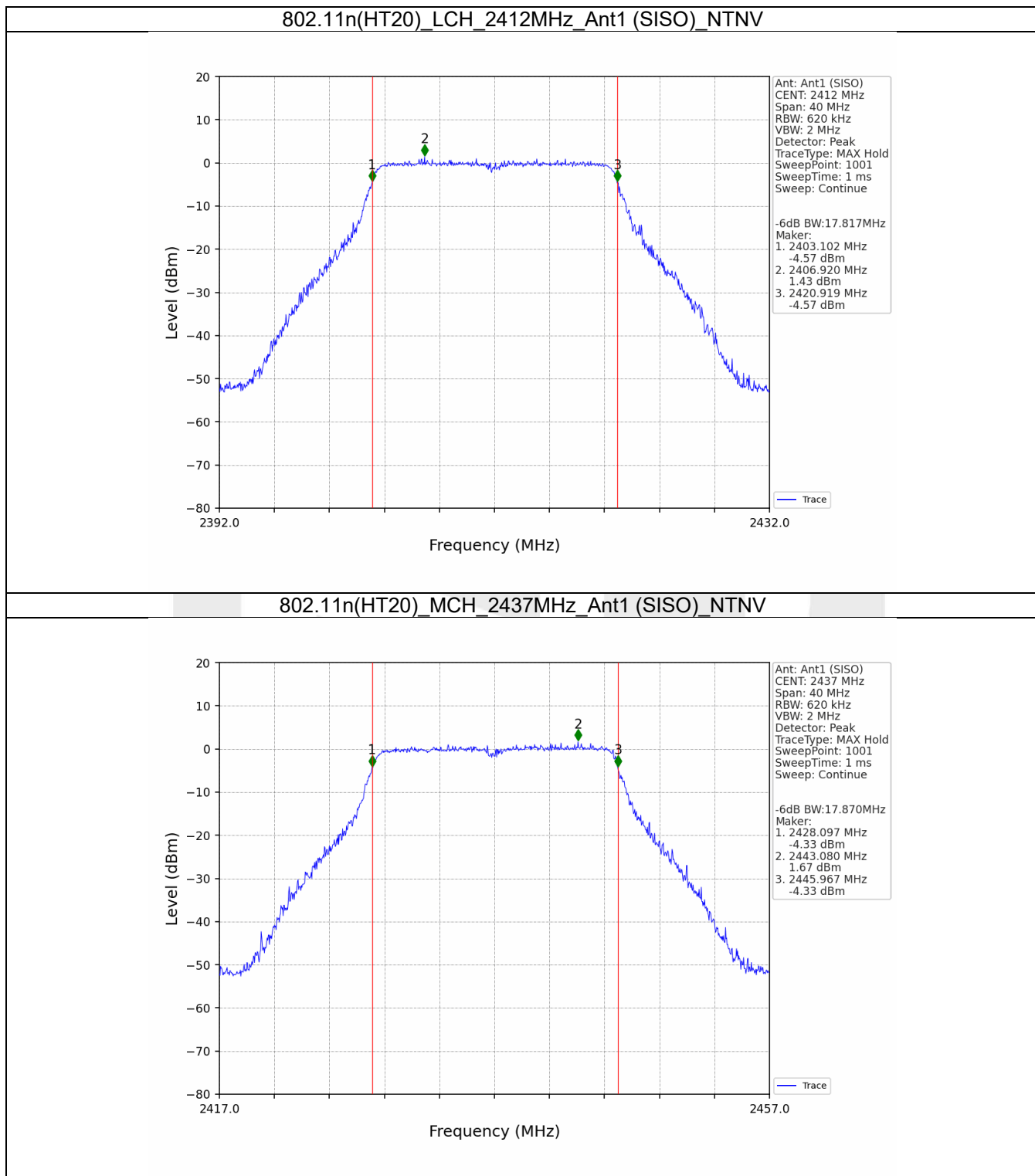


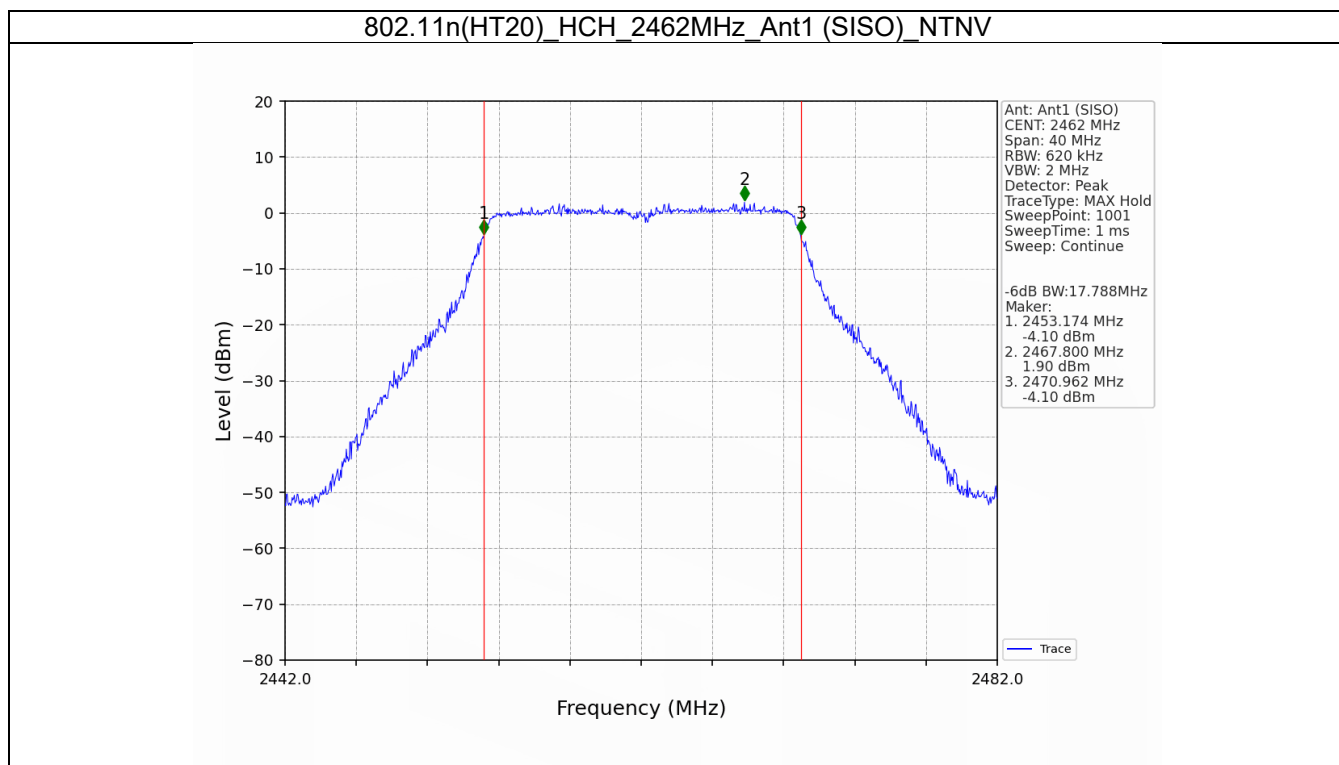
## 2.2.2 6dB BW











### 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     |         |
| 802.11b        | SISO    | 2412            | 13.28                                     | $\leq 30$ | Pass    |
|                |         | 2437            | 13.47                                     | $\leq 30$ | Pass    |
|                |         | 2462            | 13.91                                     | $\leq 30$ | Pass    |
| 802.11g        | SISO    | 2412            | 14.75                                     | $\leq 30$ | Pass    |
|                |         | 2437            | 14.98                                     | $\leq 30$ | Pass    |
|                |         | 2462            | 15.37                                     | $\leq 30$ | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 14.79                                     | $\leq 30$ | Pass    |
|                |         | 2437            | 14.98                                     | $\leq 30$ | Pass    |
|                |         | 2462            | 15.35                                     | $\leq 30$ | Pass    |

#### 4. Maximum Power Spectral Density

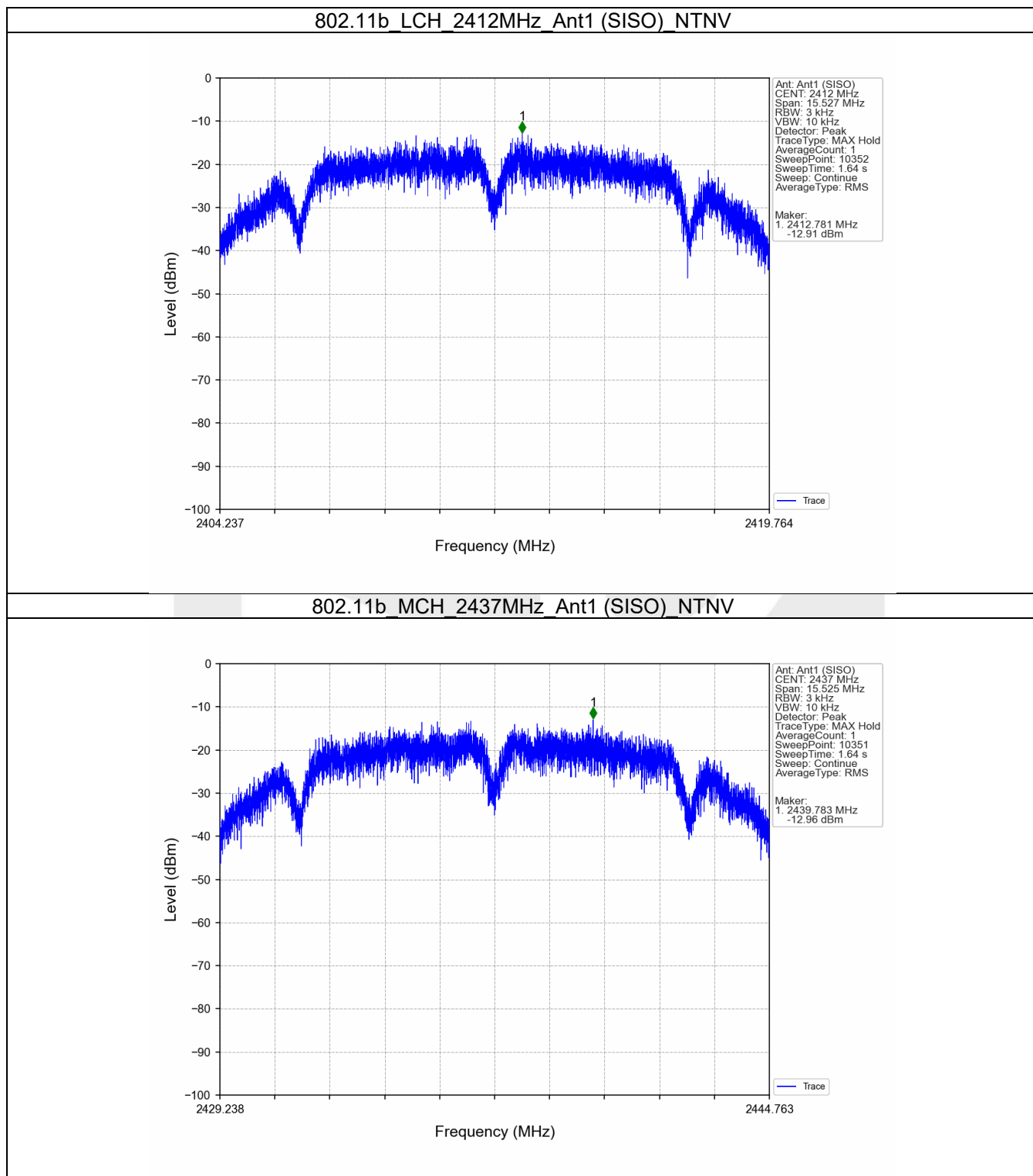
##### 4.1 Test Result

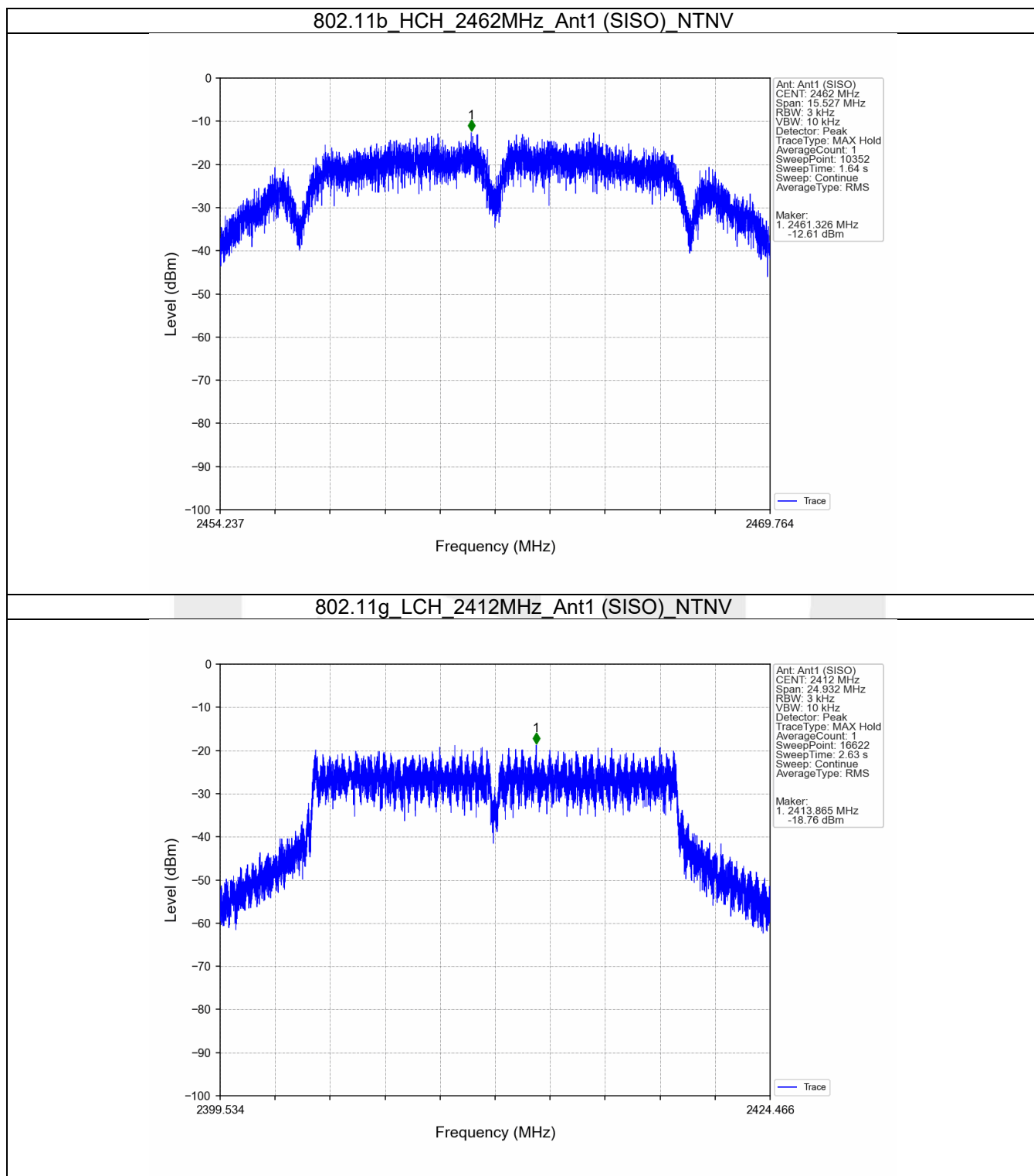
##### 4.1.1 PSD

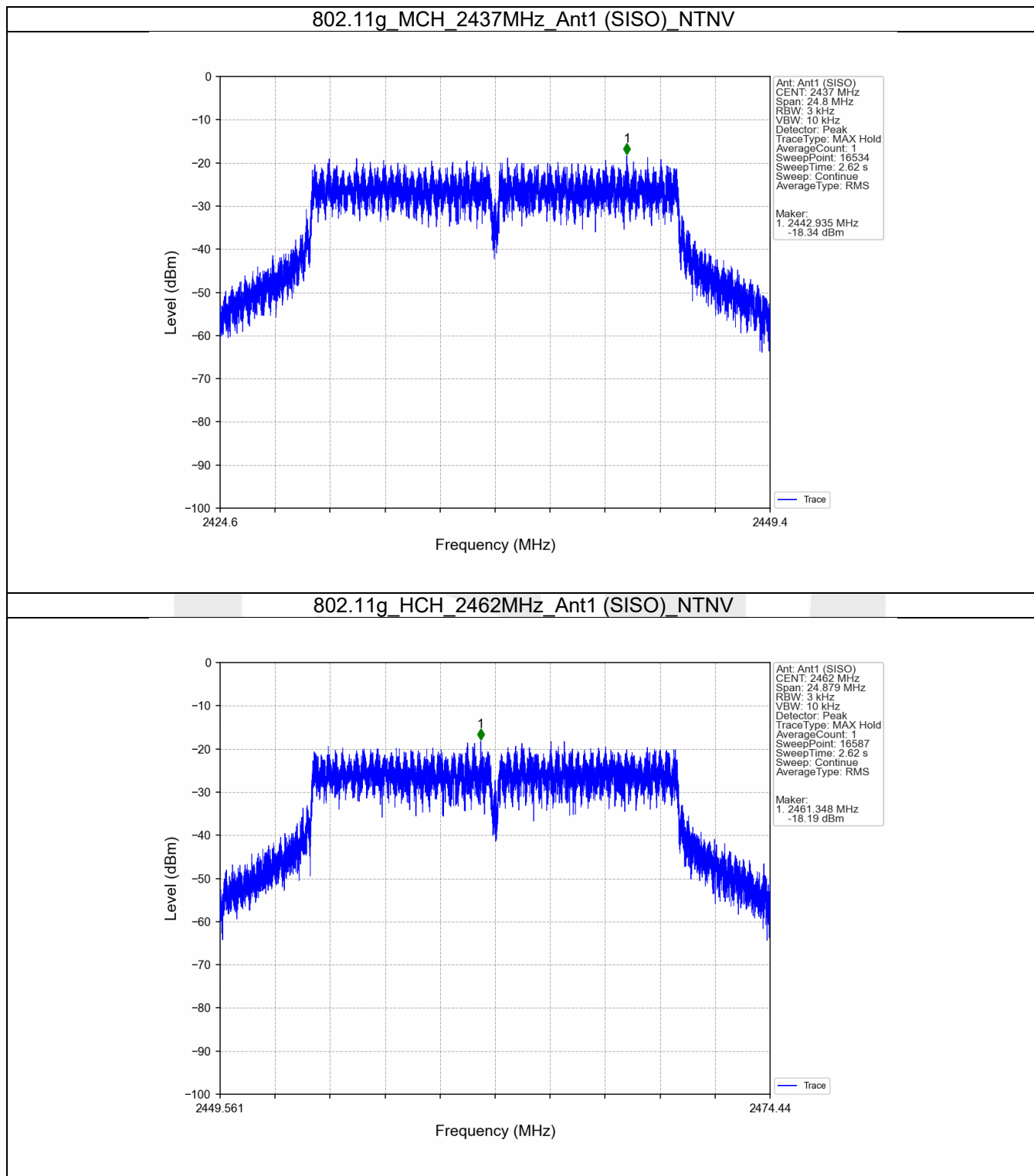
| Mode           | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) |       | Verdict |
|----------------|---------|-----------------|------------------------|-------|---------|
|                |         |                 | ANT1                   | Limit |         |
| 802.11b        | SISO    | 2412            | -12.91                 | <=8   | Pass    |
|                |         | 2437            | -12.96                 | <=8   | Pass    |
|                |         | 2462            | -12.61                 | <=8   | Pass    |
| 802.11g        | SISO    | 2412            | -18.76                 | <=8   | Pass    |
|                |         | 2437            | -18.34                 | <=8   | Pass    |
|                |         | 2462            | -18.19                 | <=8   | Pass    |
| 802.11n (HT20) | SISO    | 2412            | -18.34                 | <=8   | Pass    |
|                |         | 2437            | -17.99                 | <=8   | Pass    |
|                |         | 2462            | -18.47                 | <=8   | Pass    |

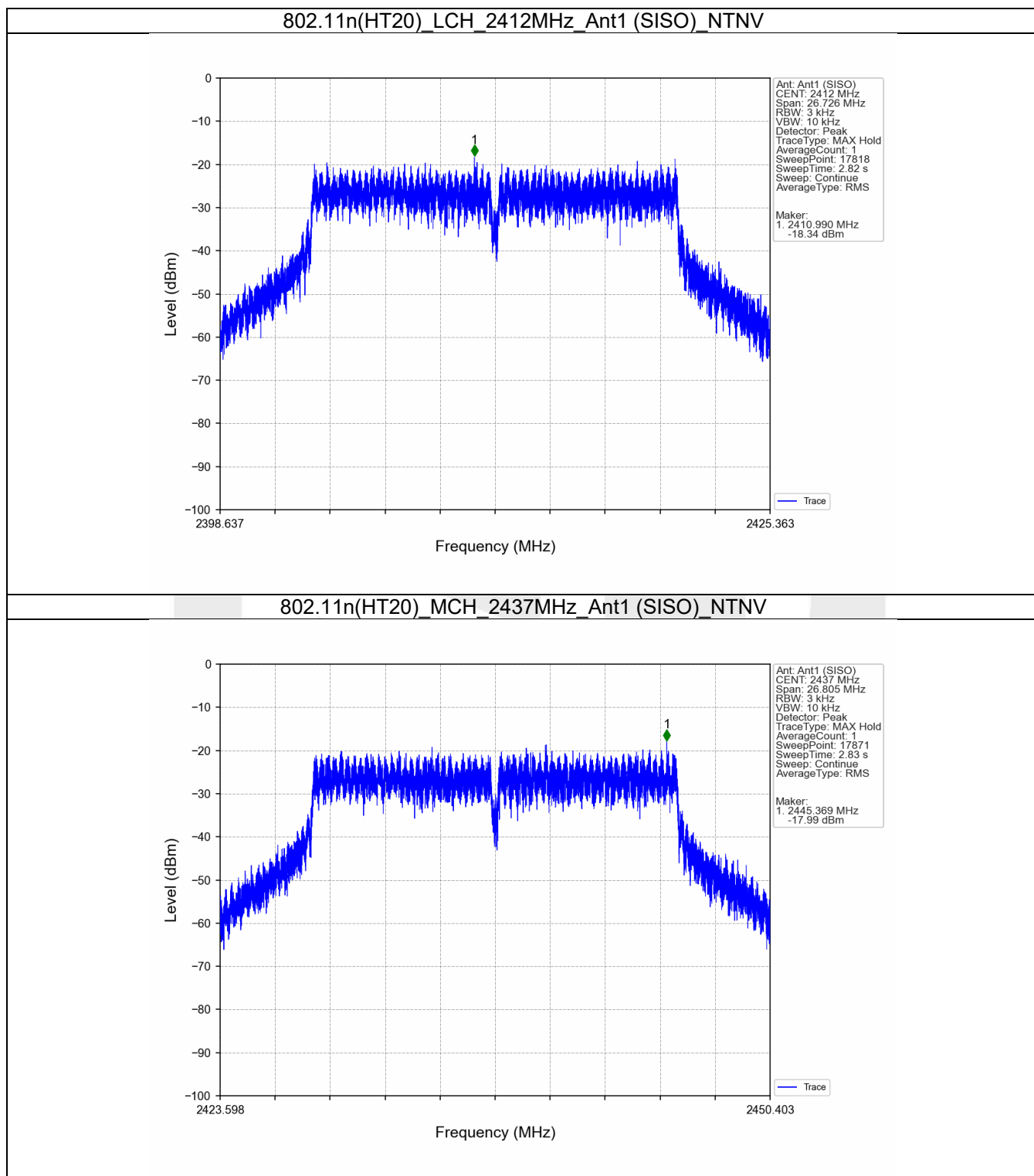
## 4.2 Test Graph

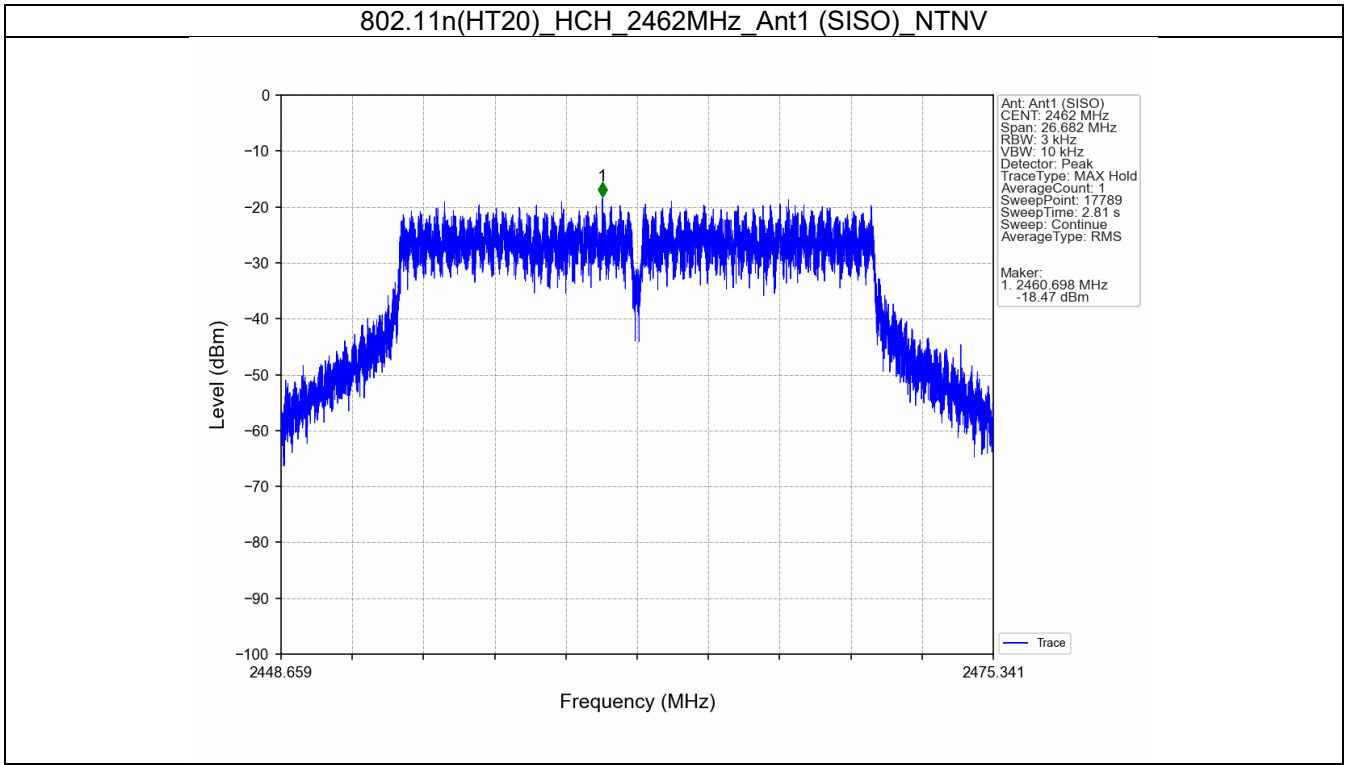
### 4.2.1 PSD











## 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) |
|----------------|---------|-----------------|-----|--------------------------|
| 802.11b        | SISO    | 2412            | 1   | 1.33                     |
|                |         | 2437            | 1   | 1.56                     |
|                |         | 2462            | 1   | 2.09                     |
| 802.11g        | SISO    | 2412            | 1   | -3.76                    |
|                |         | 2437            | 1   | -3.37                    |
|                |         | 2462            | 1   | -3.00                    |
| 802.11n (HT20) | SISO    | 2412            | 1   | -4.03                    |
|                |         | 2437            | 1   | -3.38                    |
|                |         | 2462            | 1   | -3.12                    |

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.

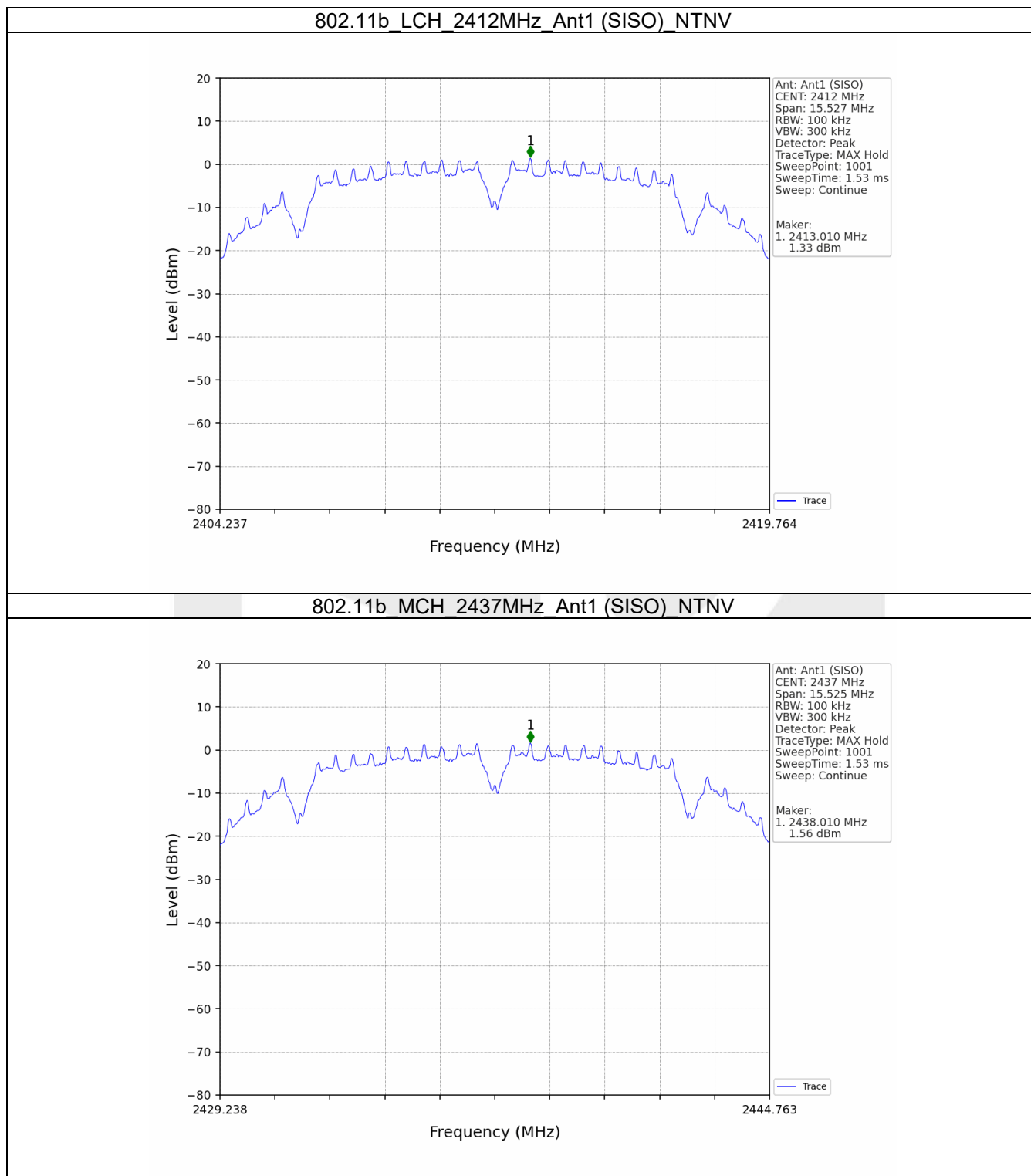
#### 5.1.2 CSE

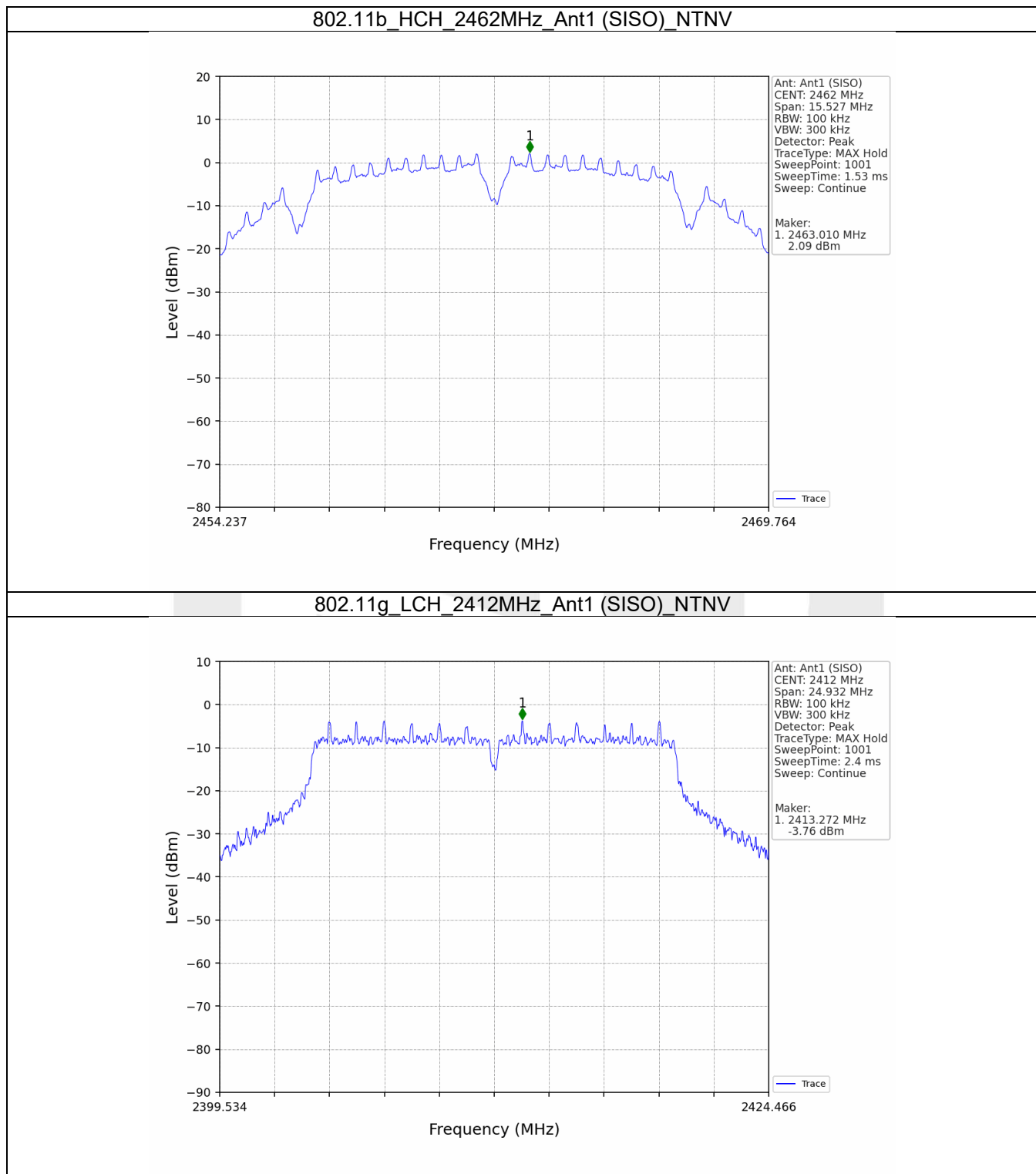
| Mode           | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|----------------|---------|-----------------|-----|--------------------------|-------------|---------|
| 802.11b        | SISO    | 2412            | 1   | 1.33                     | -18.67      | Pass    |
|                |         | 2437            | 1   | 1.56                     | -18.44      | Pass    |
|                |         | 2462            | 1   | 2.09                     | -17.91      | Pass    |
| 802.11g        | SISO    | 2412            | 1   | -3.76                    | -23.76      | Pass    |
|                |         | 2437            | 1   | -3.37                    | -23.37      | Pass    |
|                |         | 2462            | 1   | -3.00                    | -23.00      | Pass    |
| 802.11n (HT20) | SISO    | 2412            | 1   | -4.03                    | -24.03      | Pass    |
|                |         | 2437            | 1   | -3.38                    | -23.38      | Pass    |
|                |         | 2462            | 1   | -3.12                    | -23.12      | Pass    |

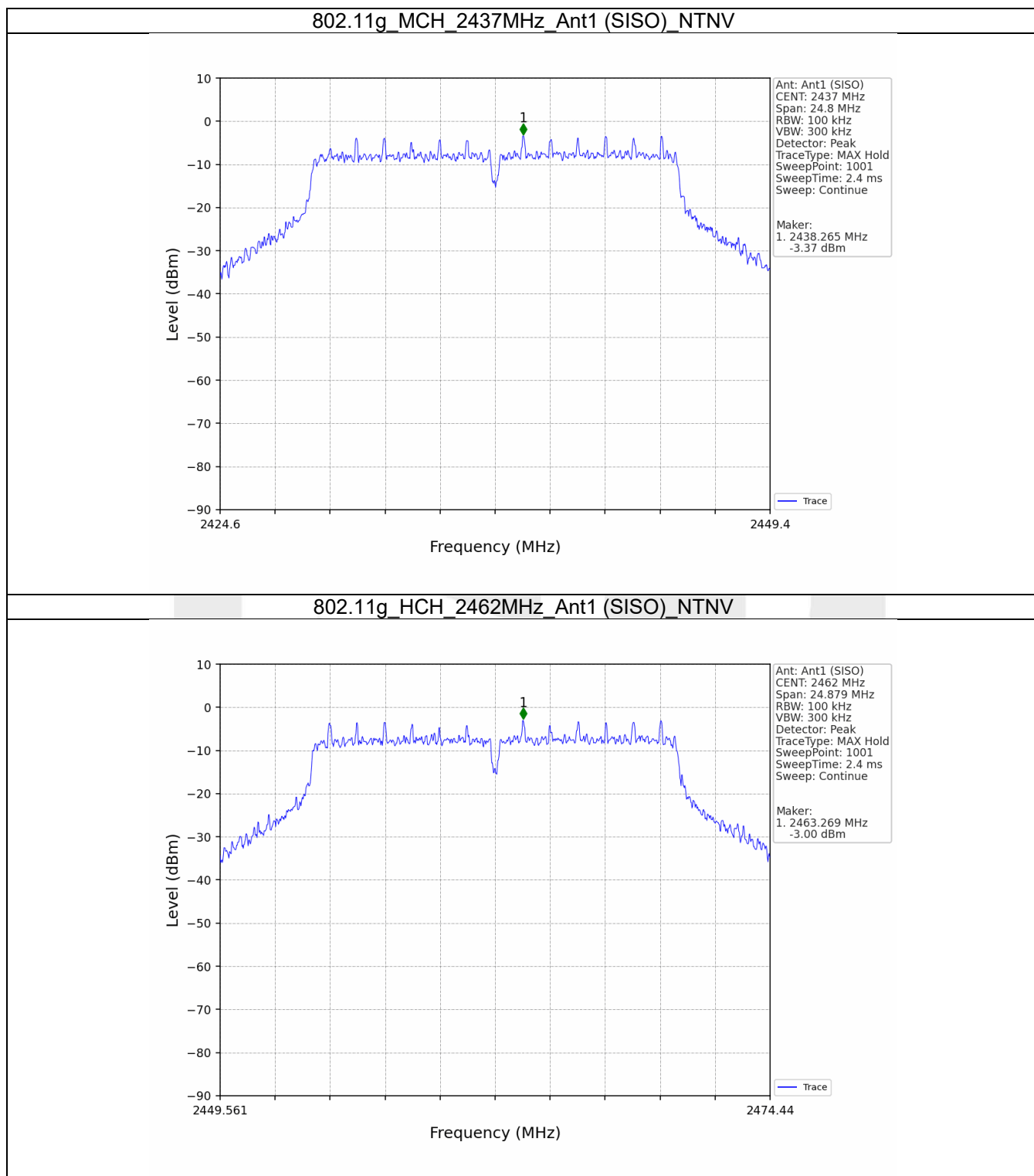
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

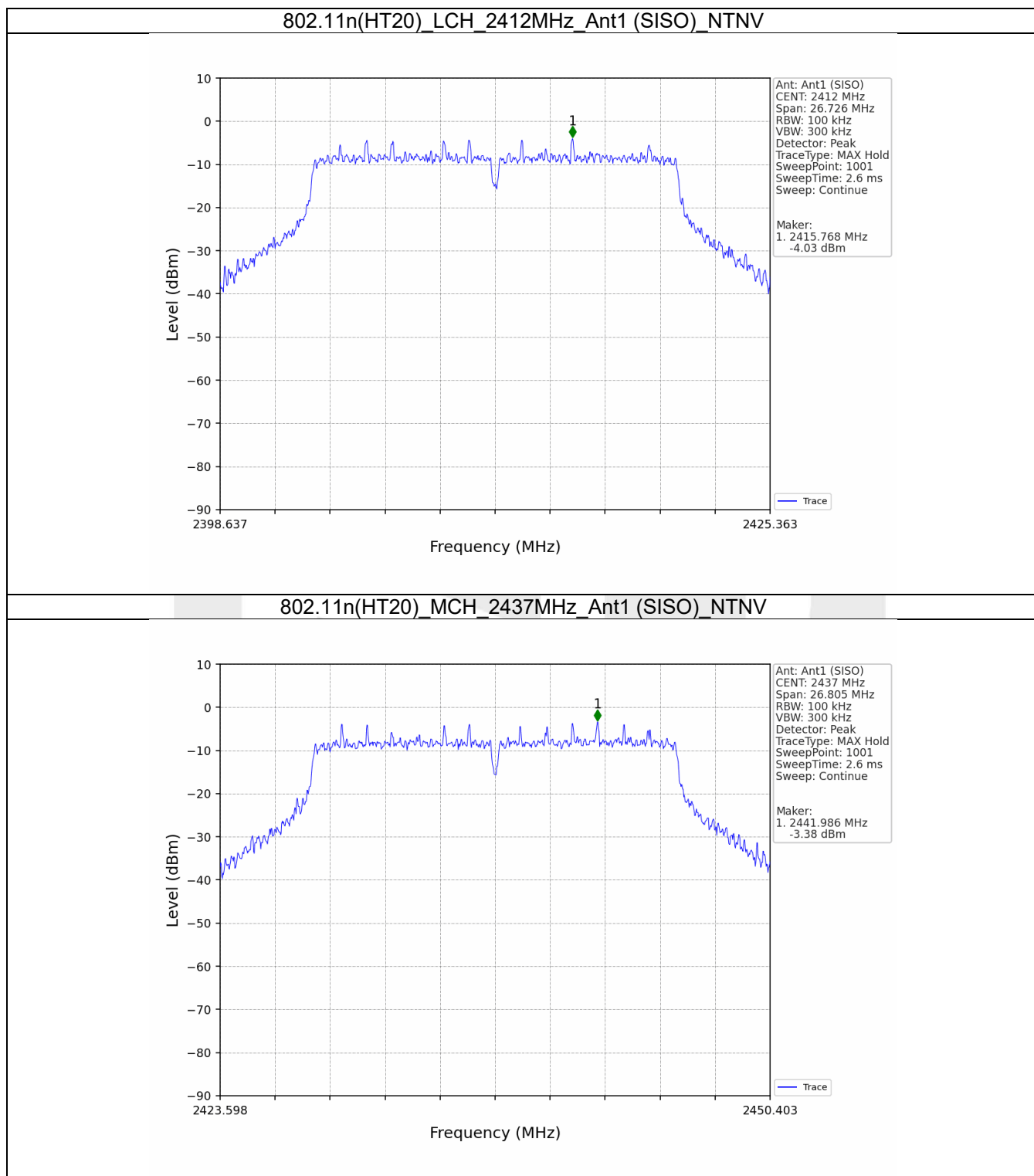
## 5.2 Test Graph

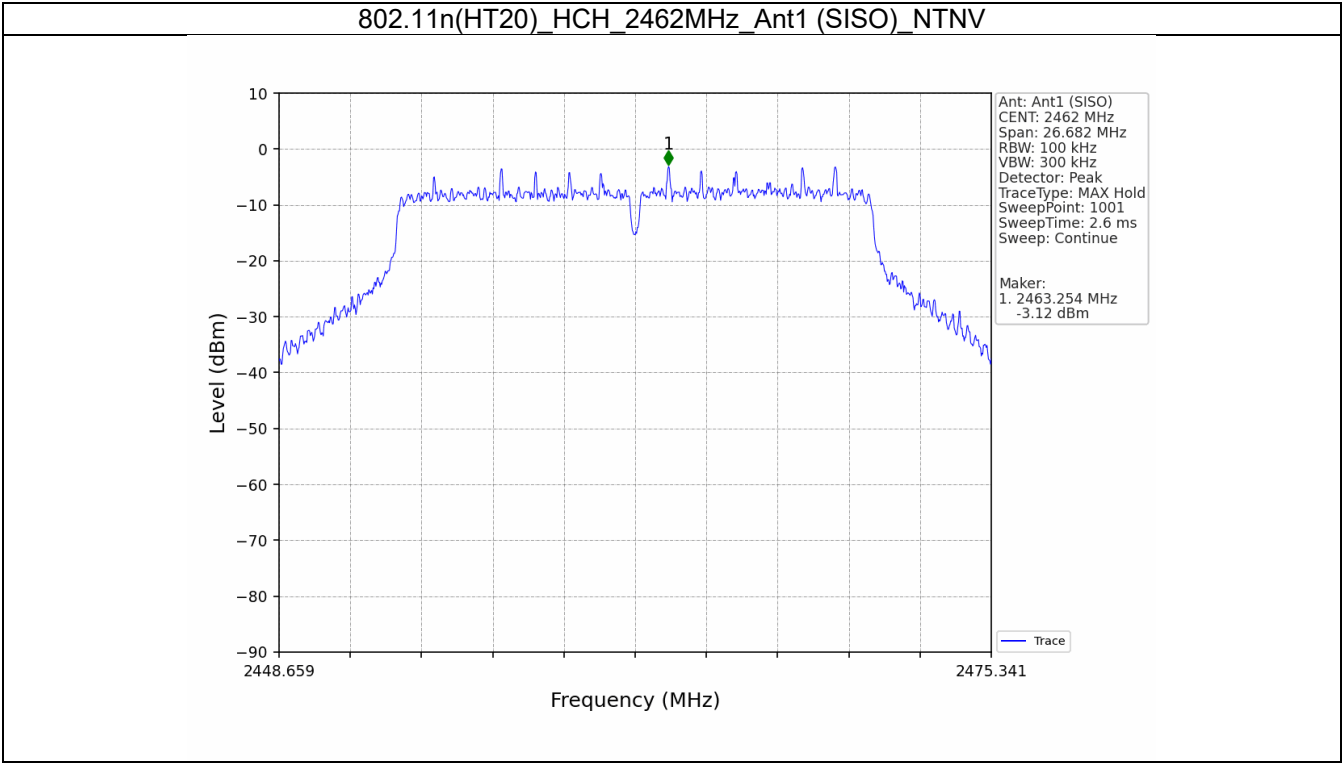
### 5.2.1 Ref



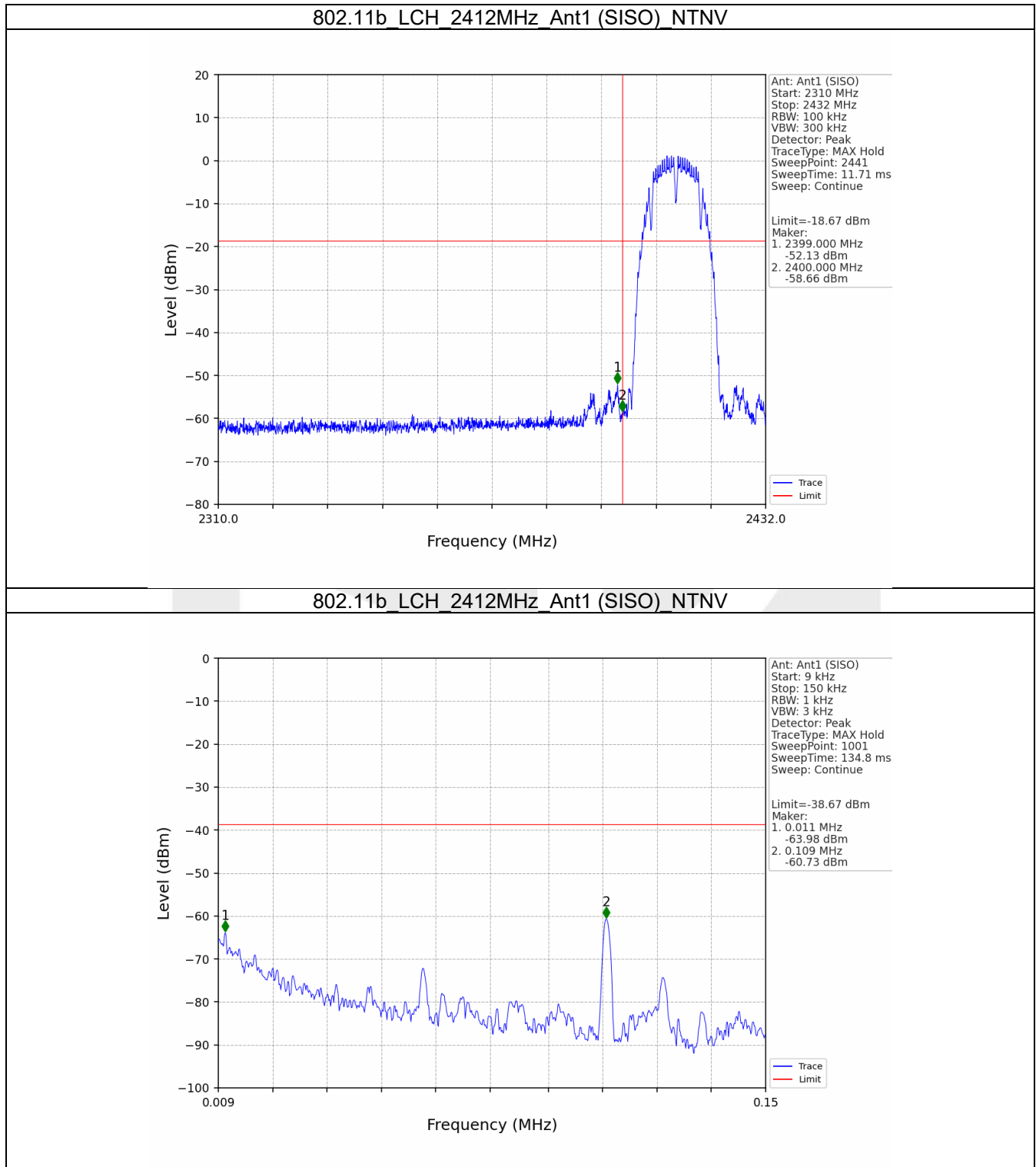


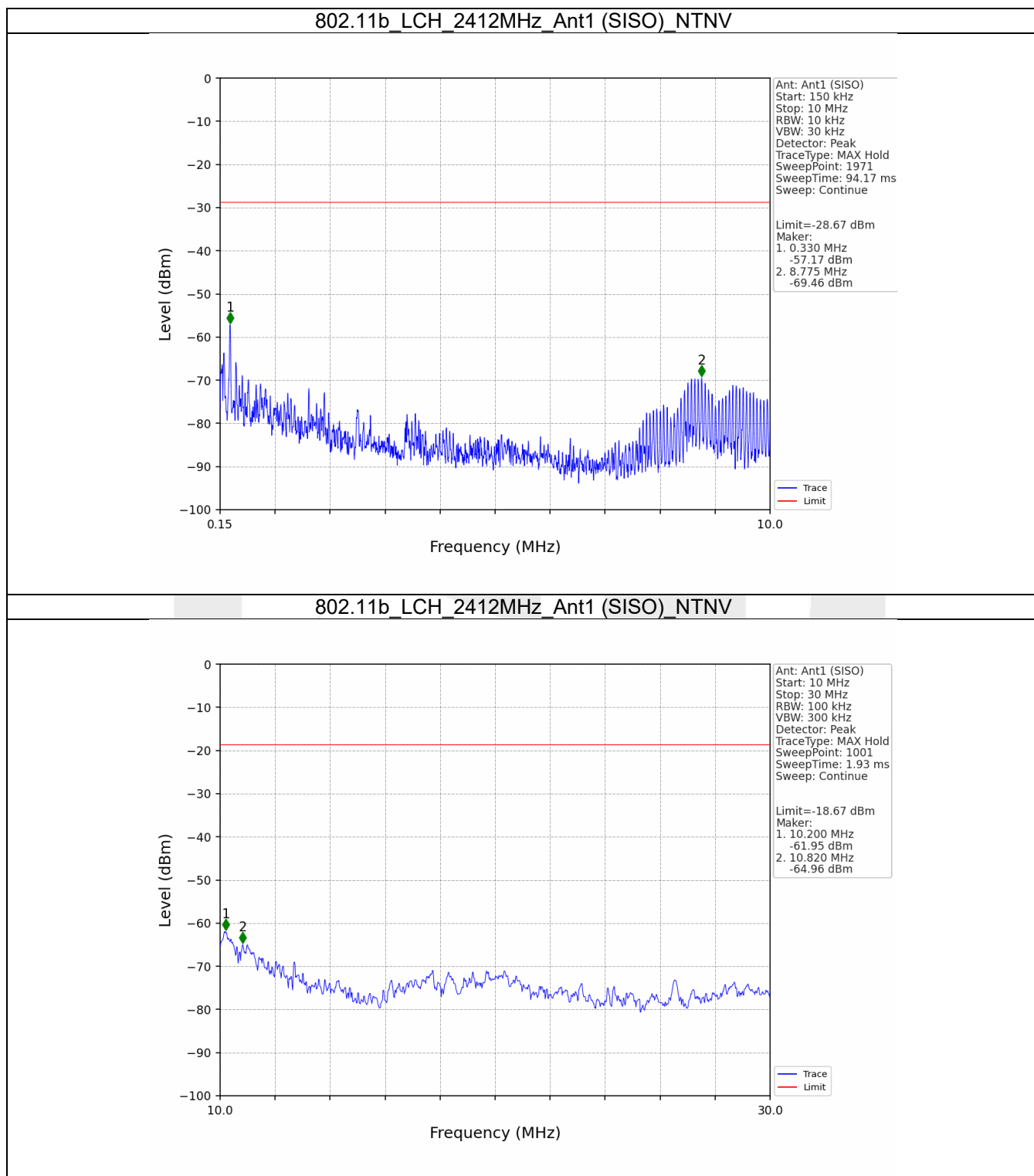


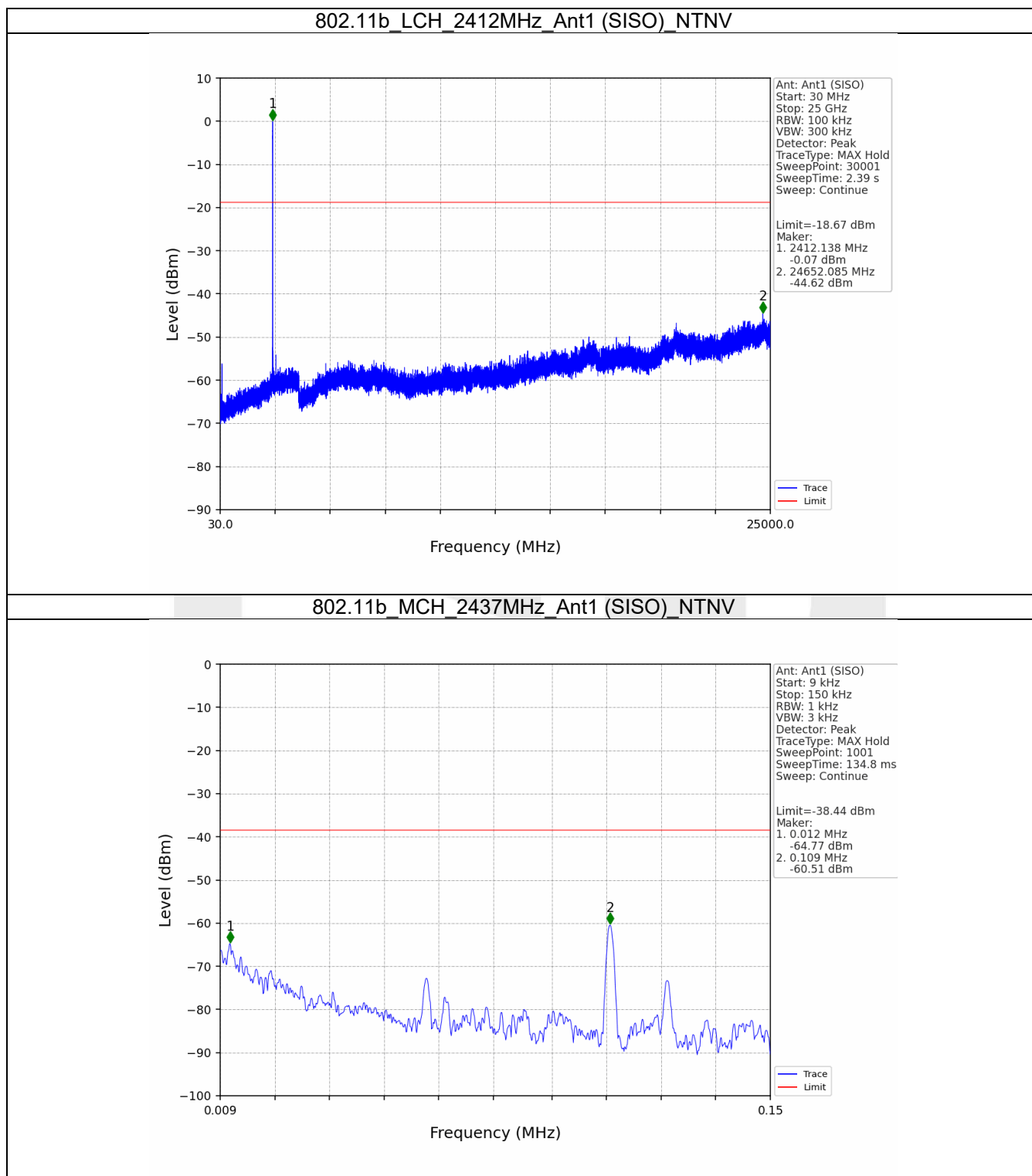


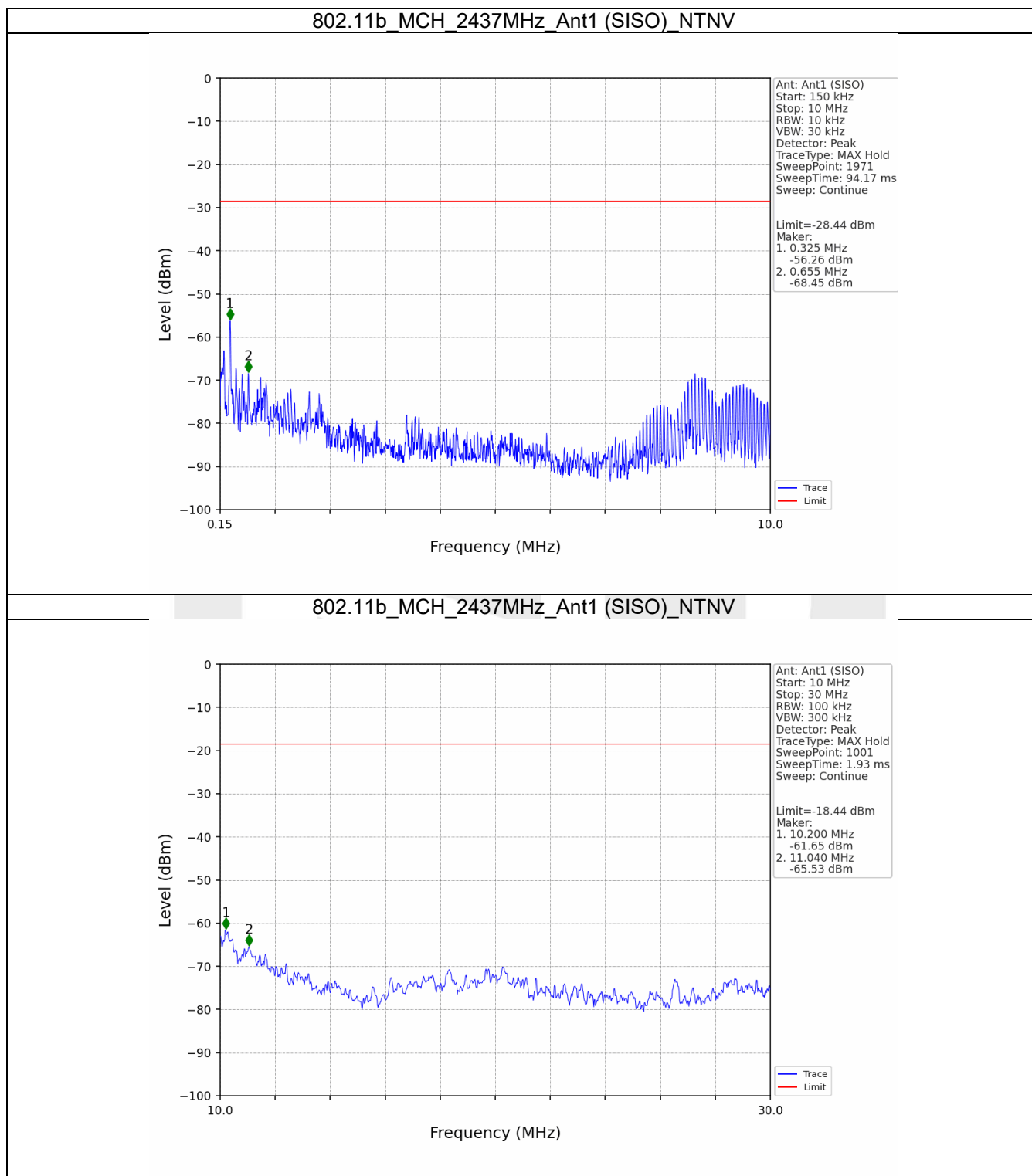


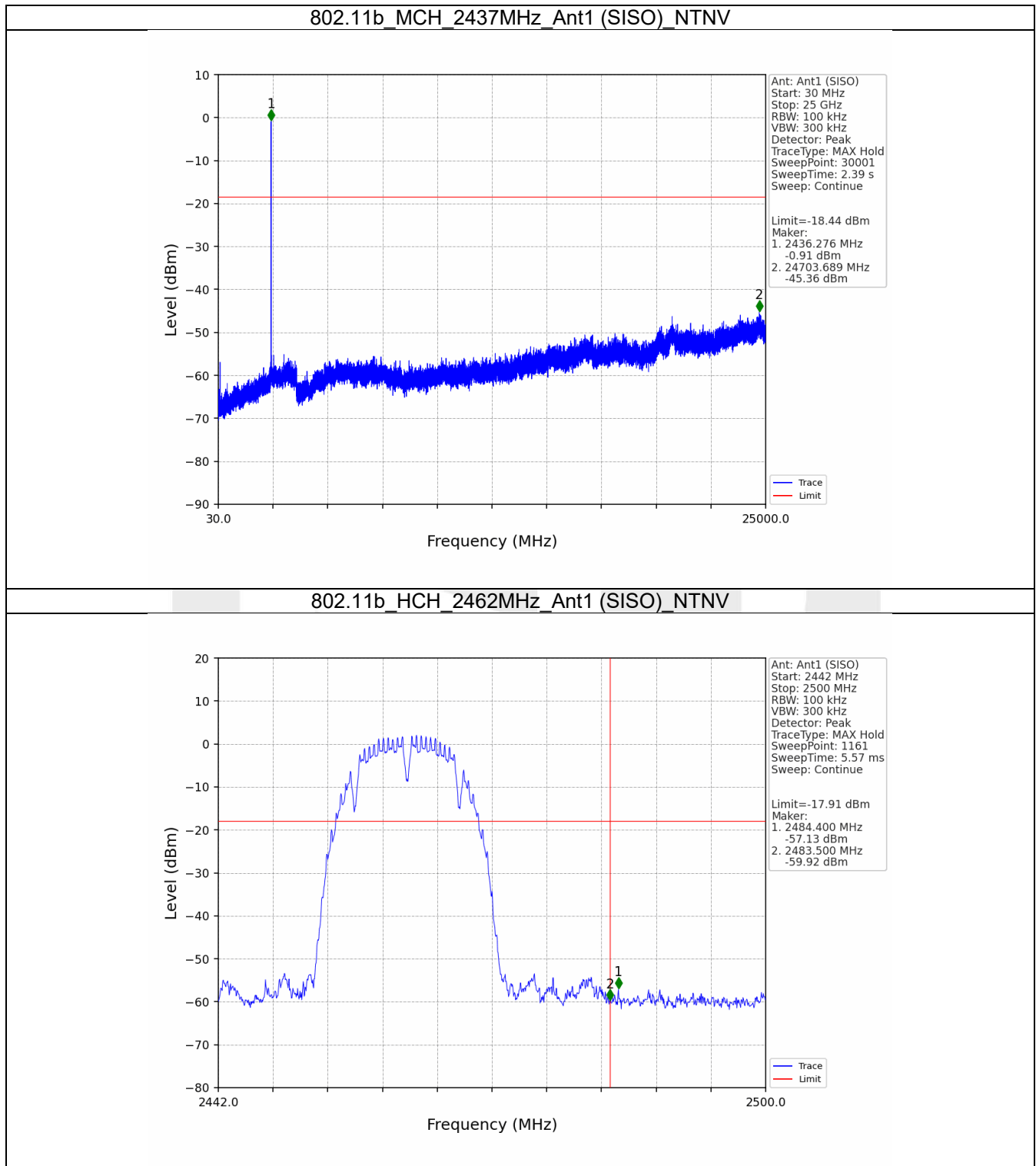
### 5.2.2 CSE

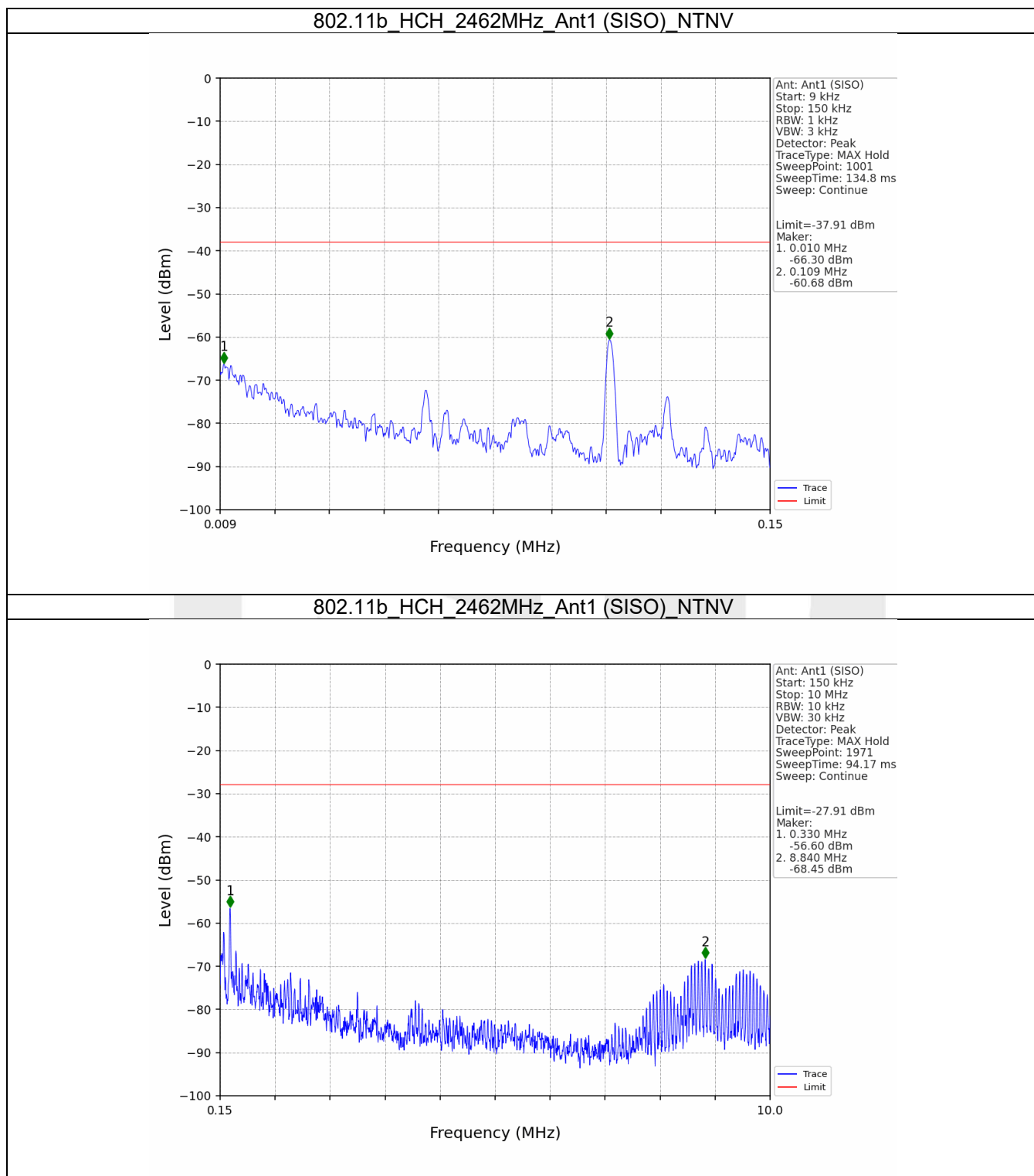


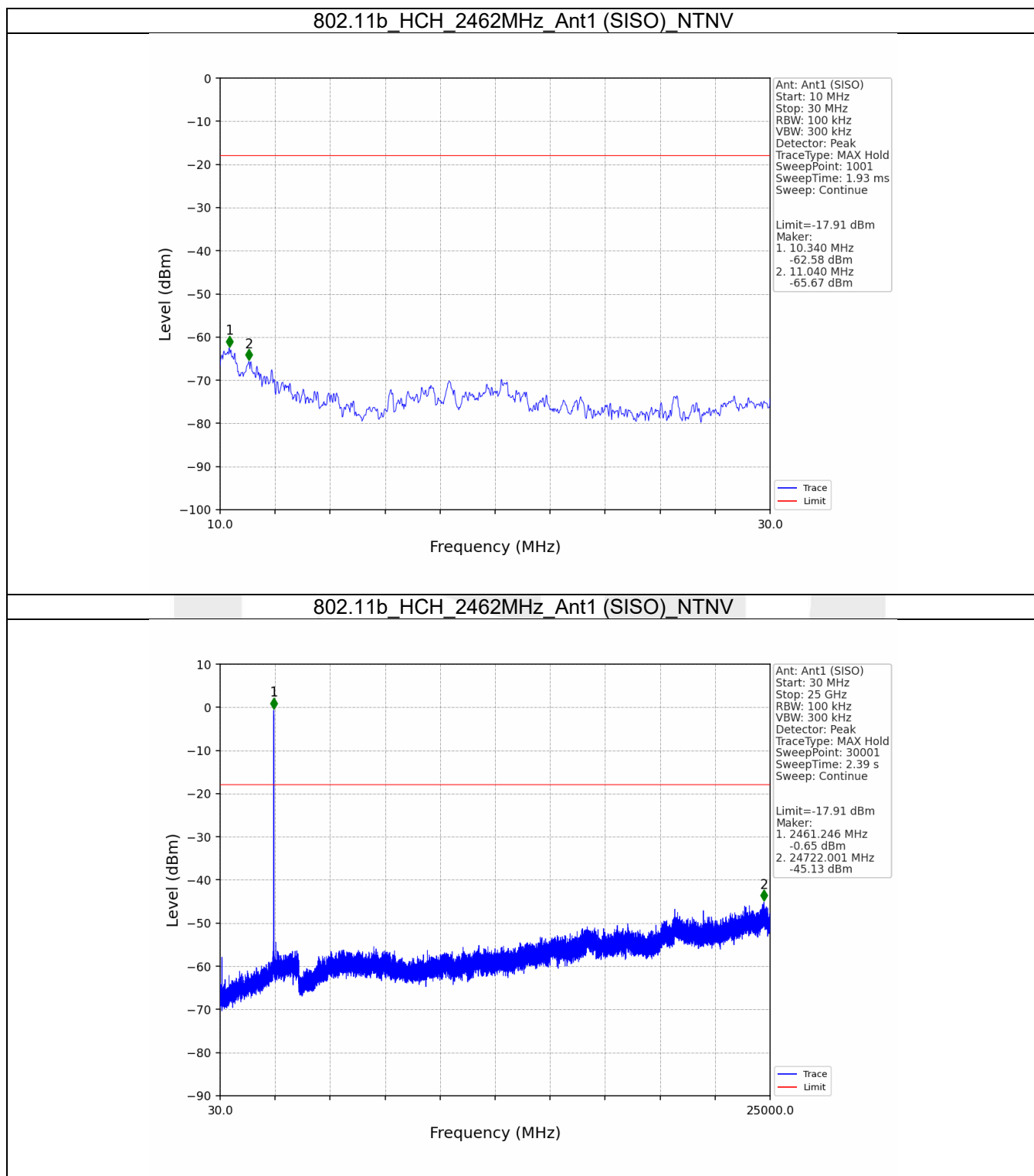


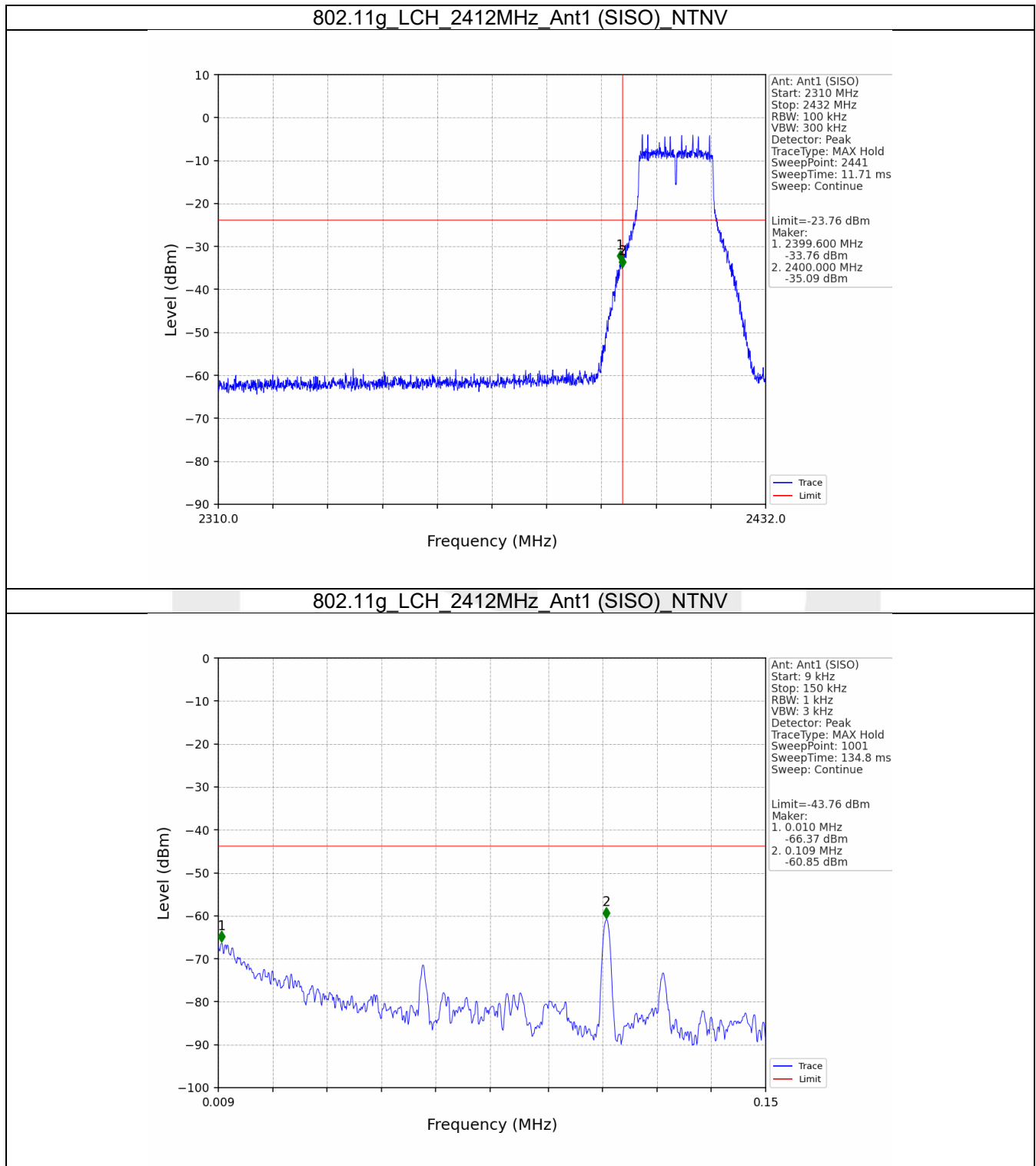


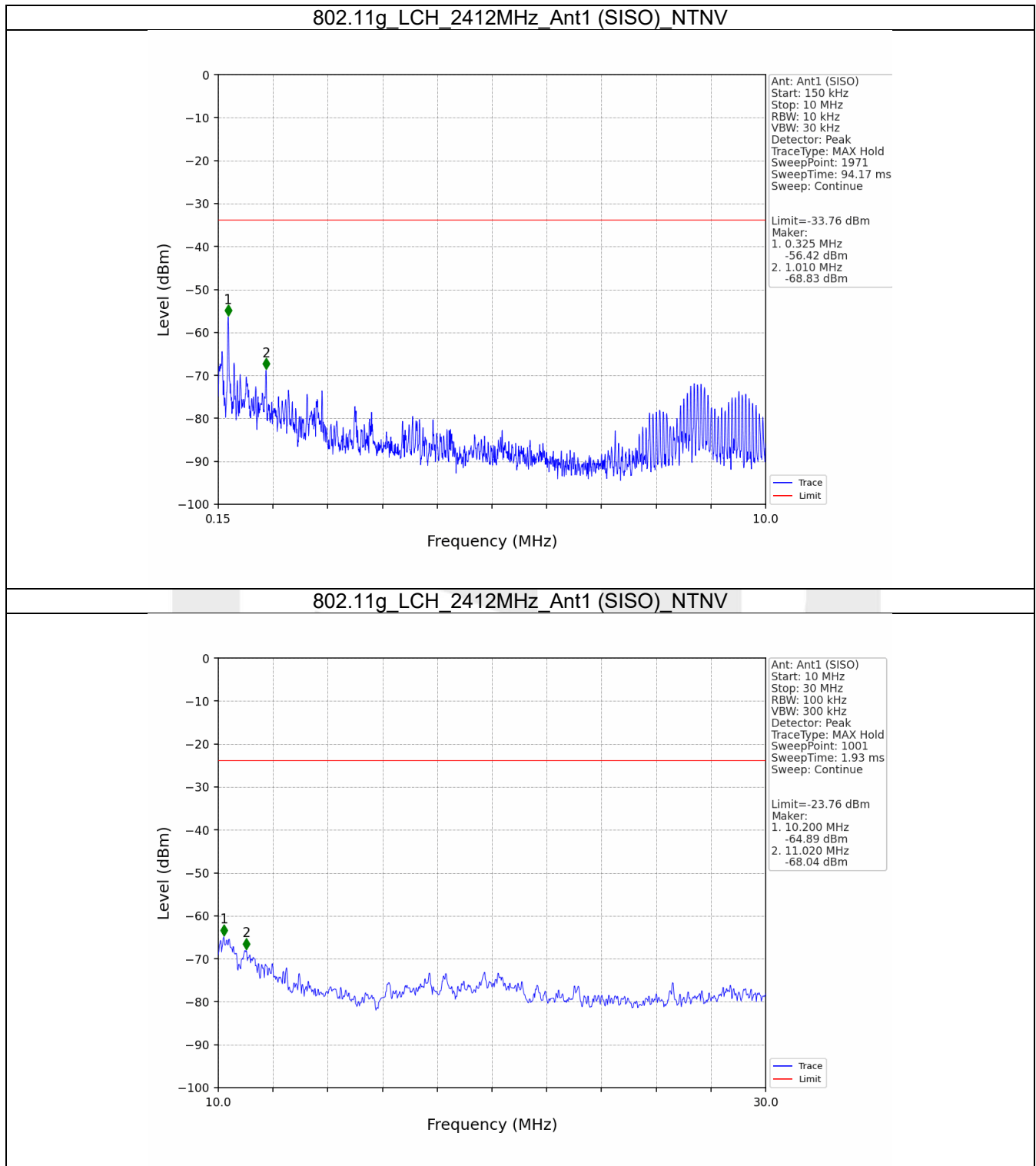


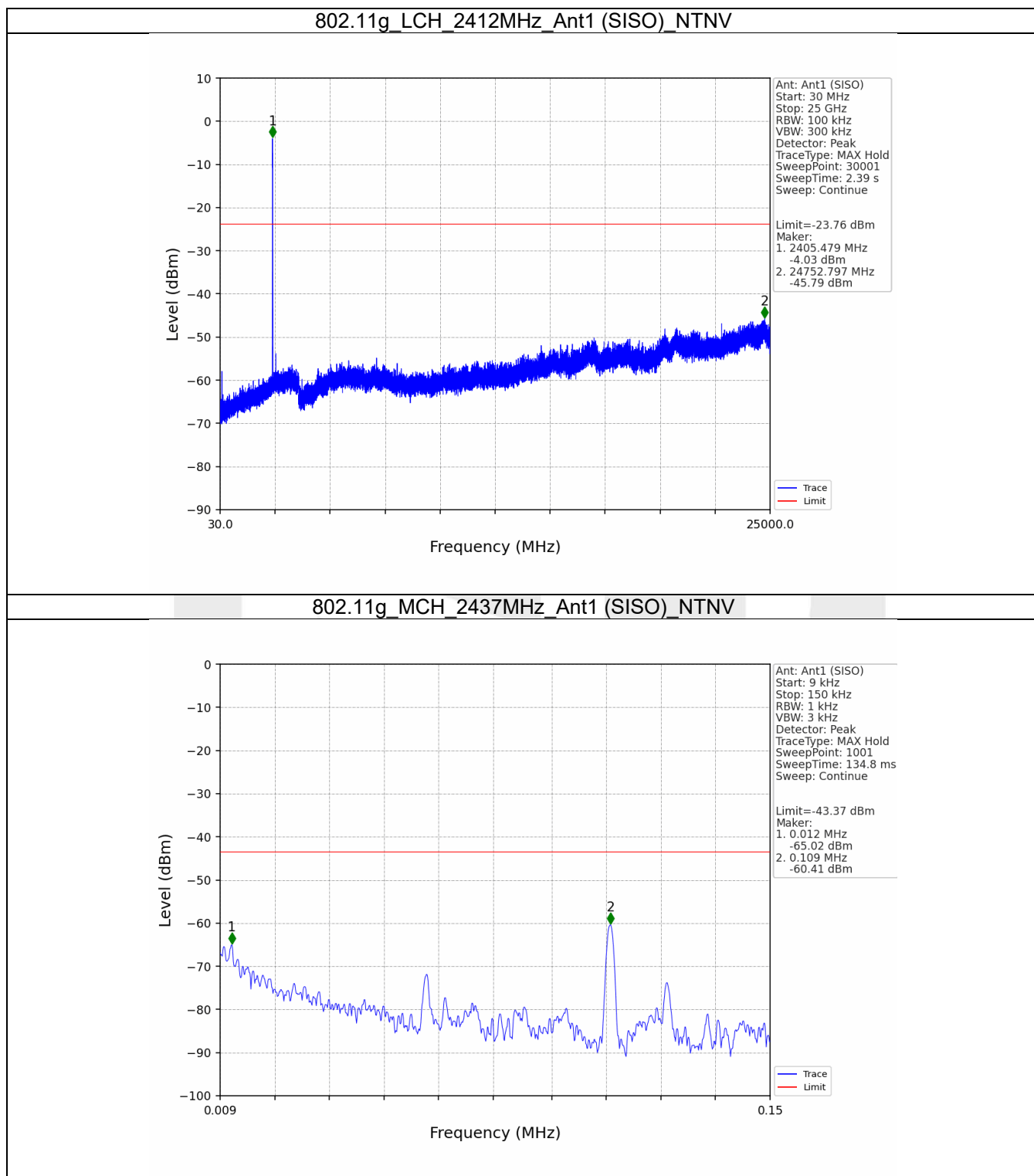


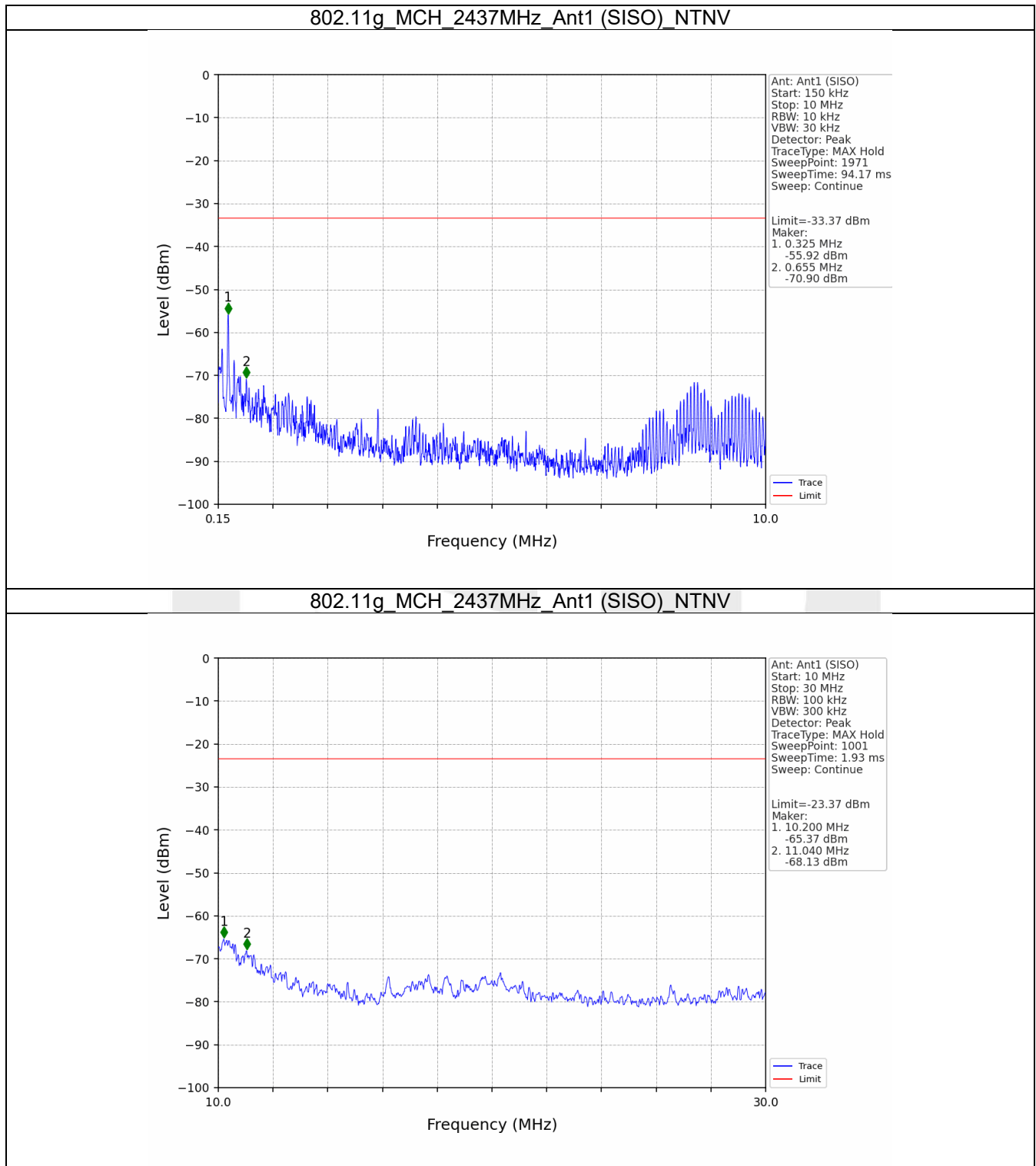


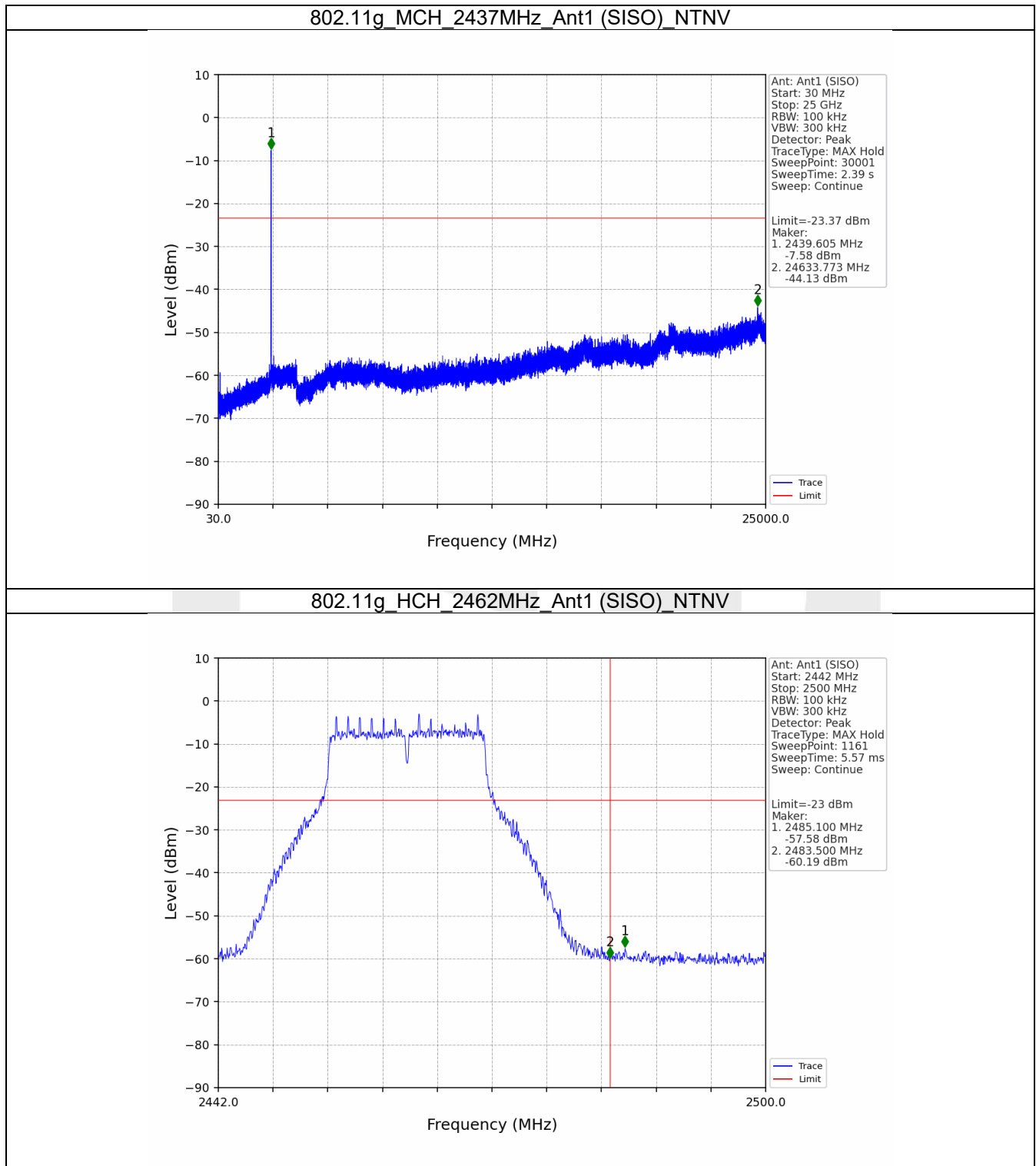


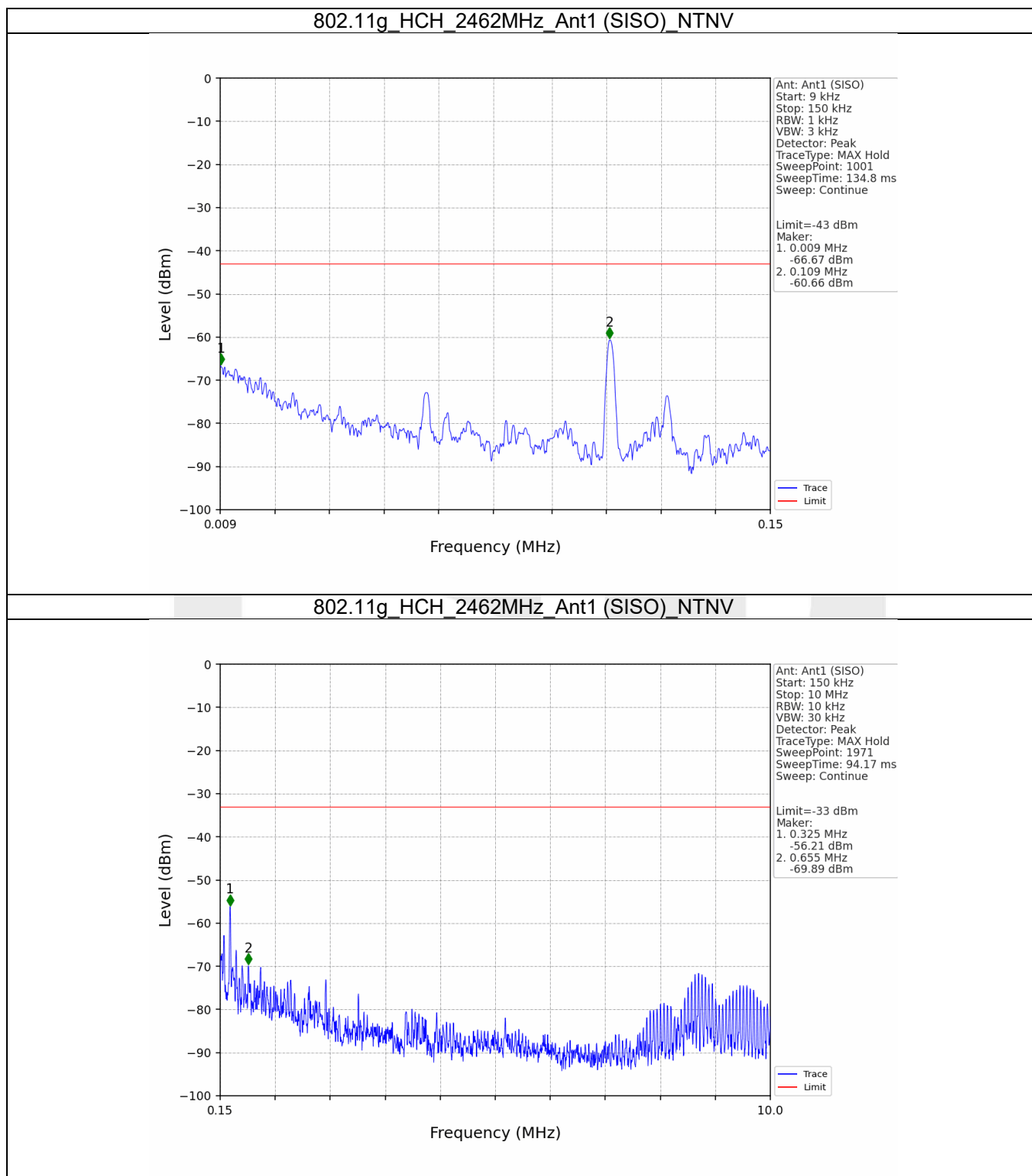


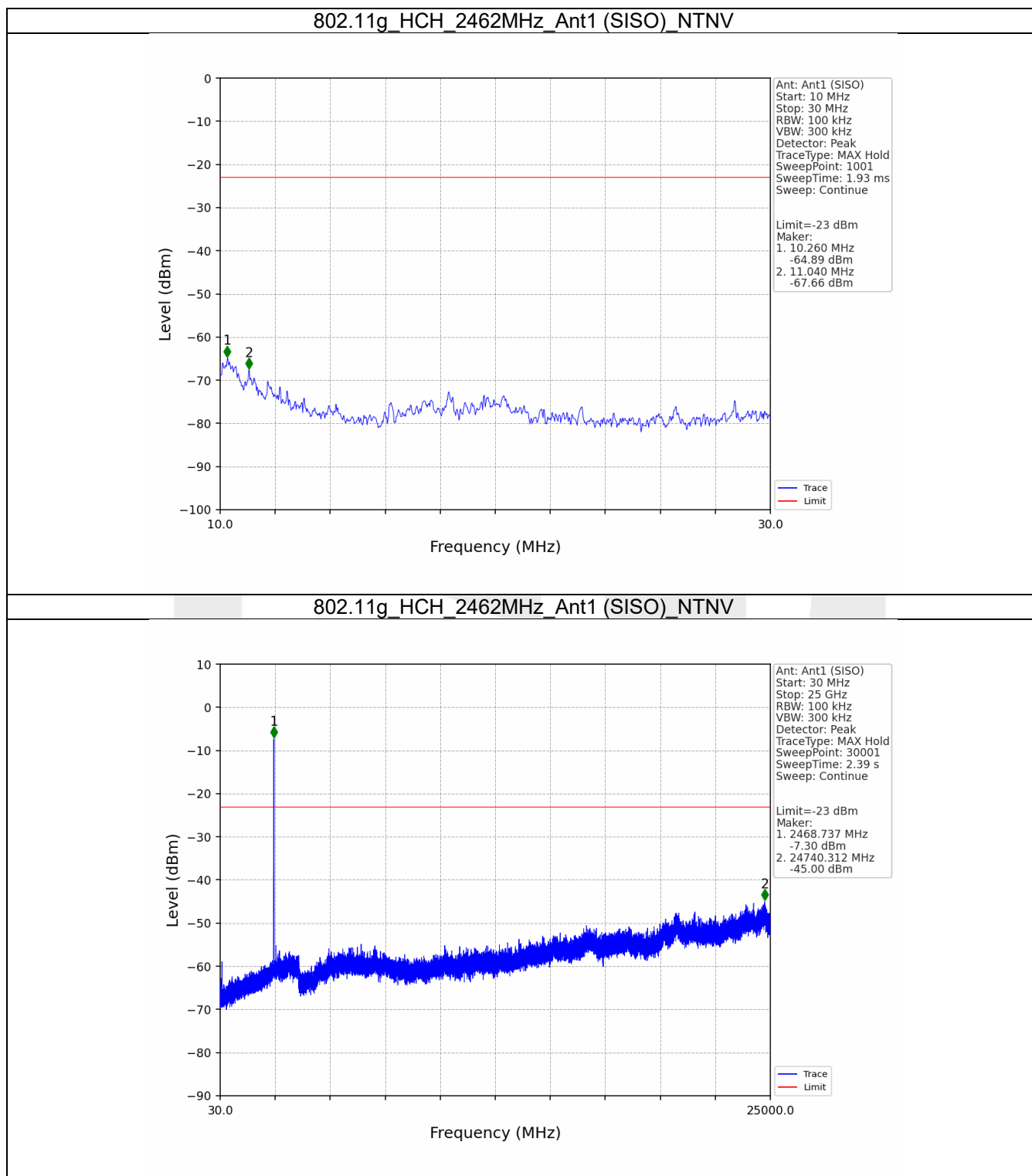


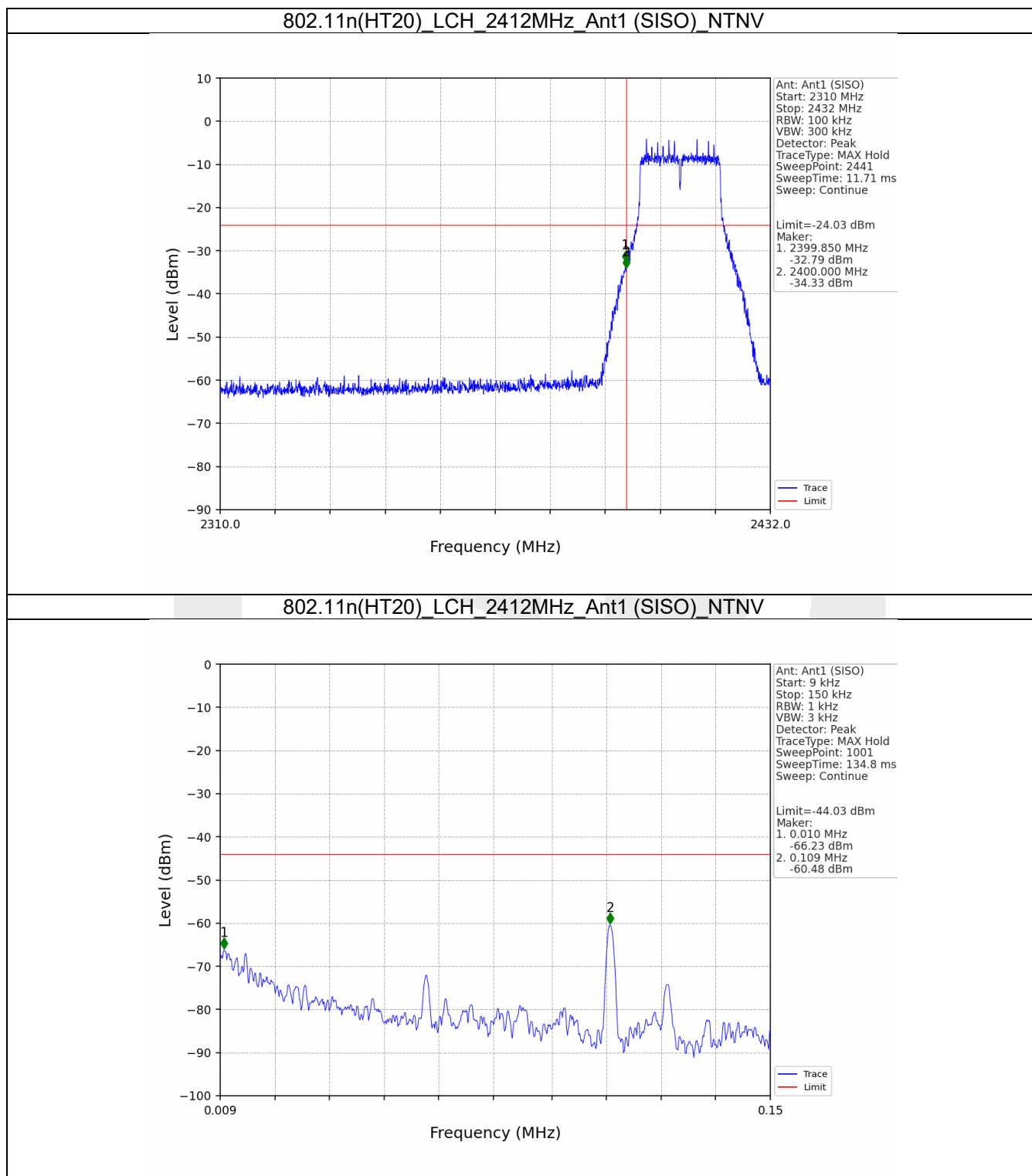


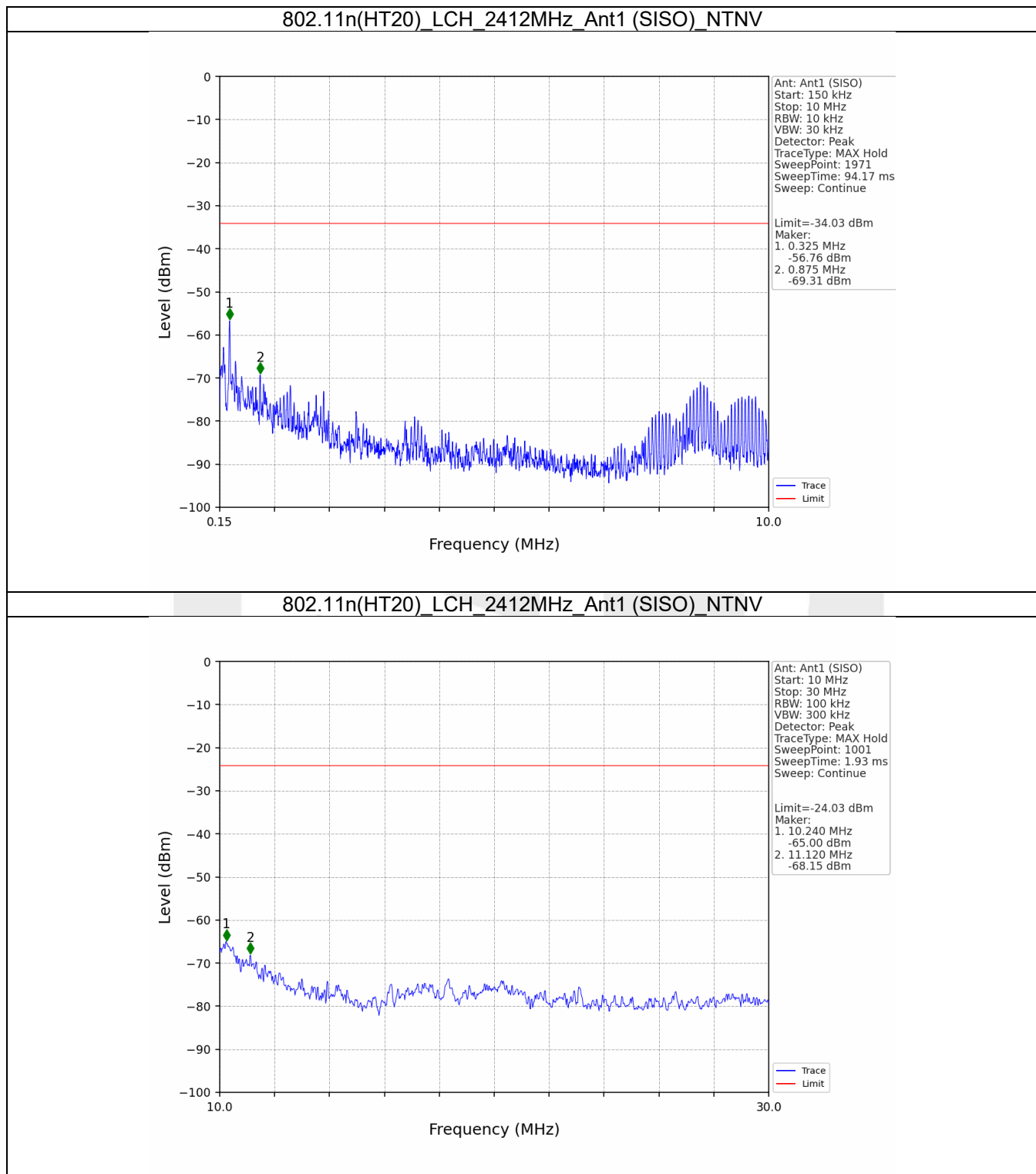


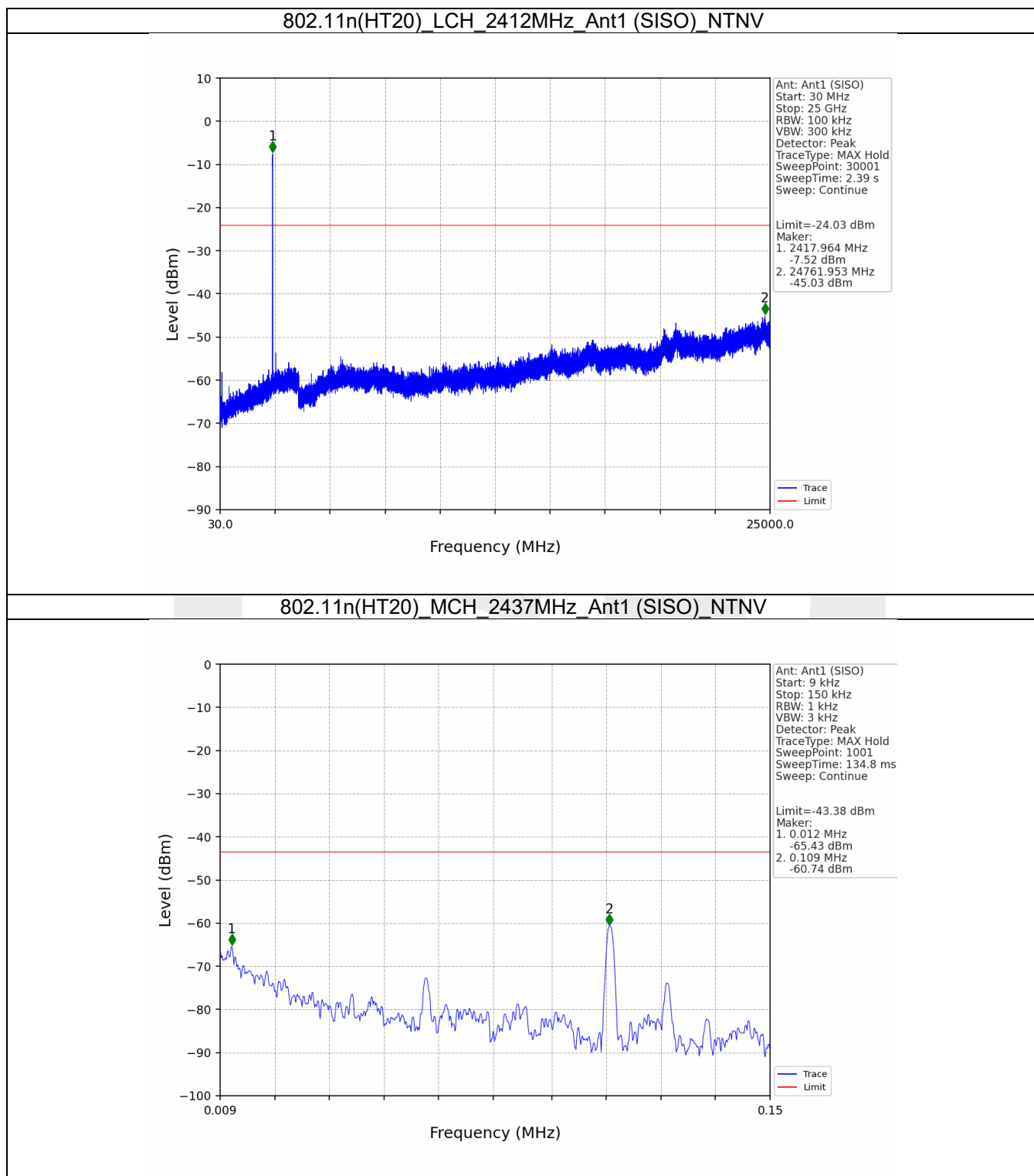


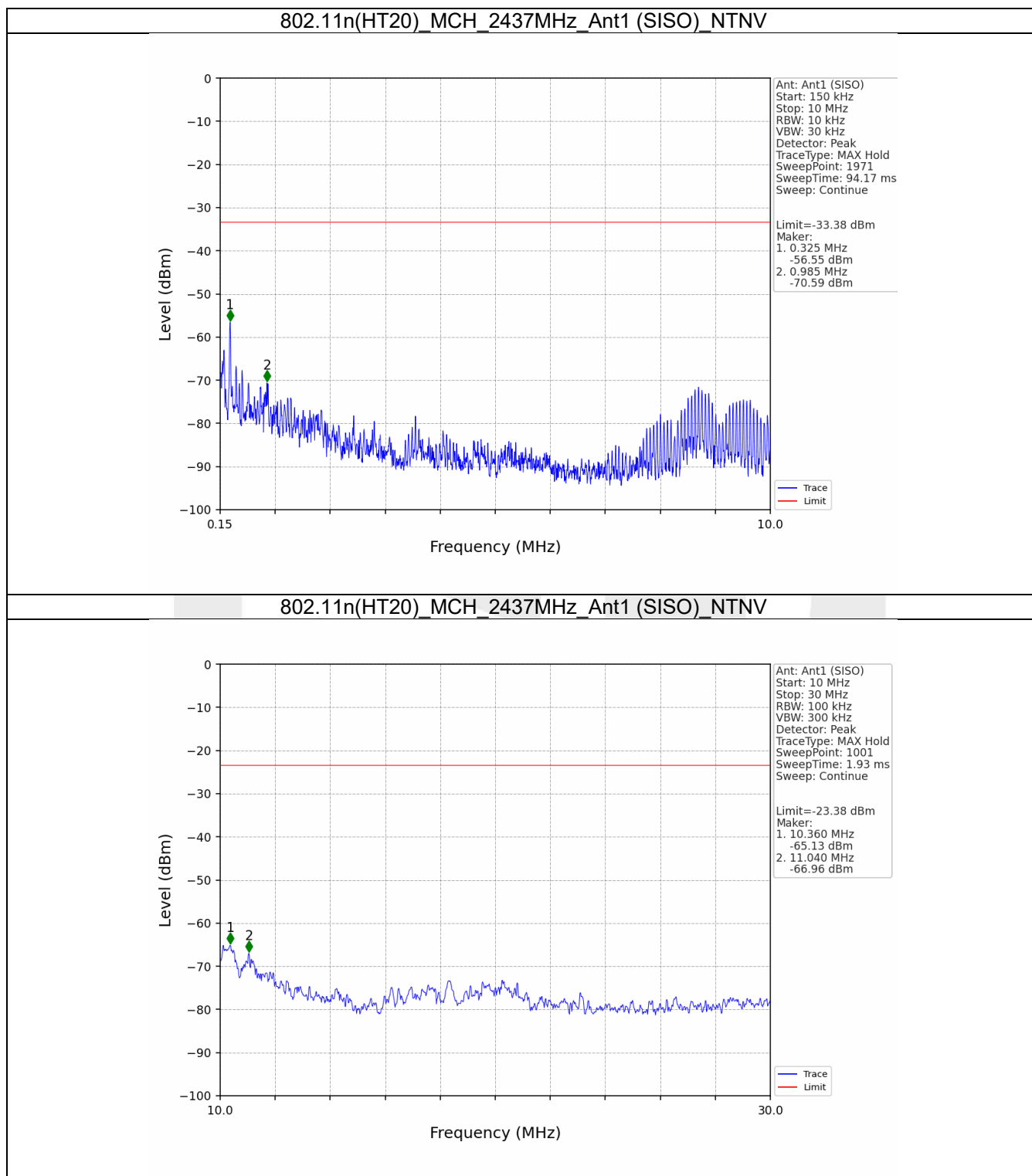


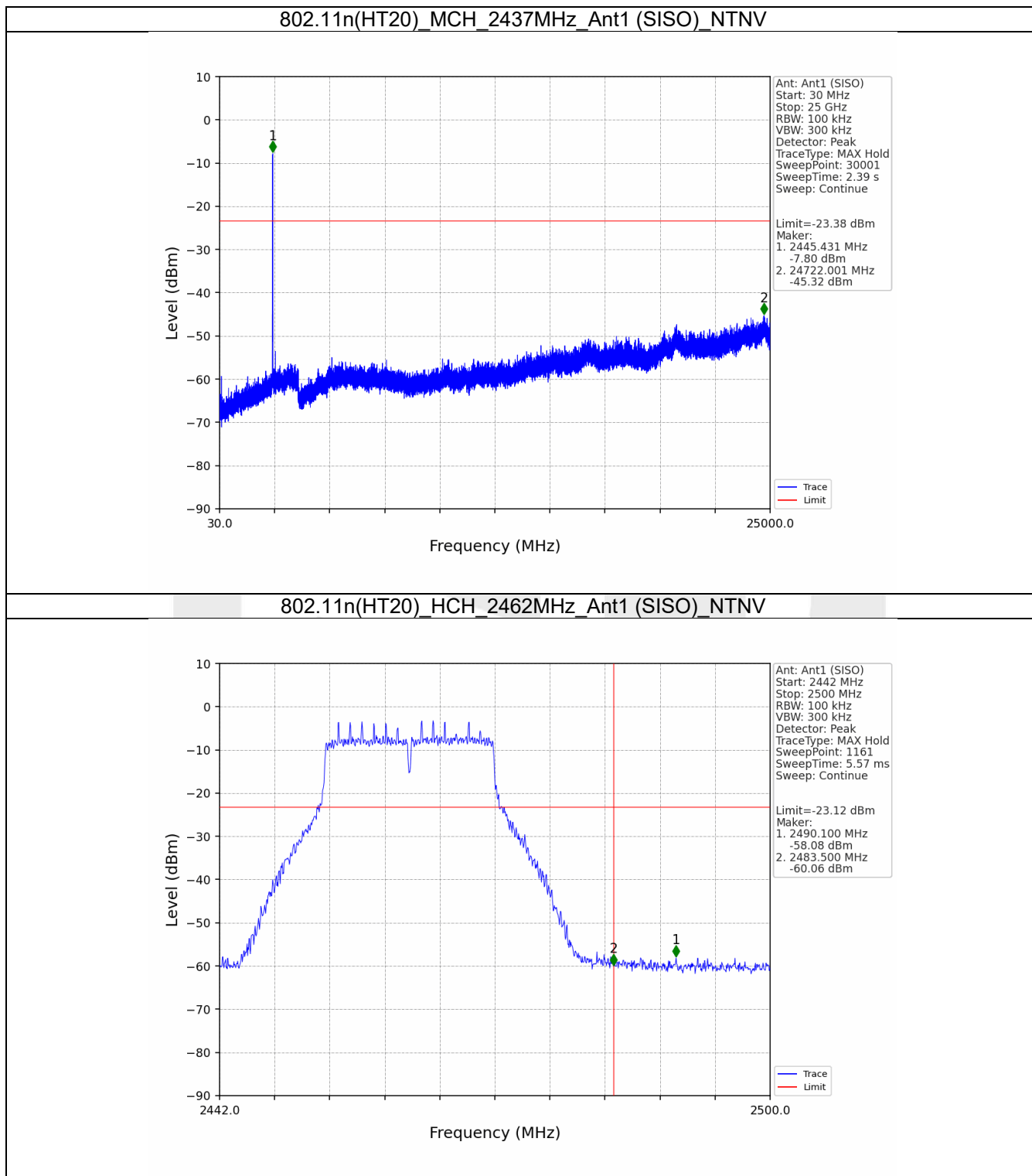


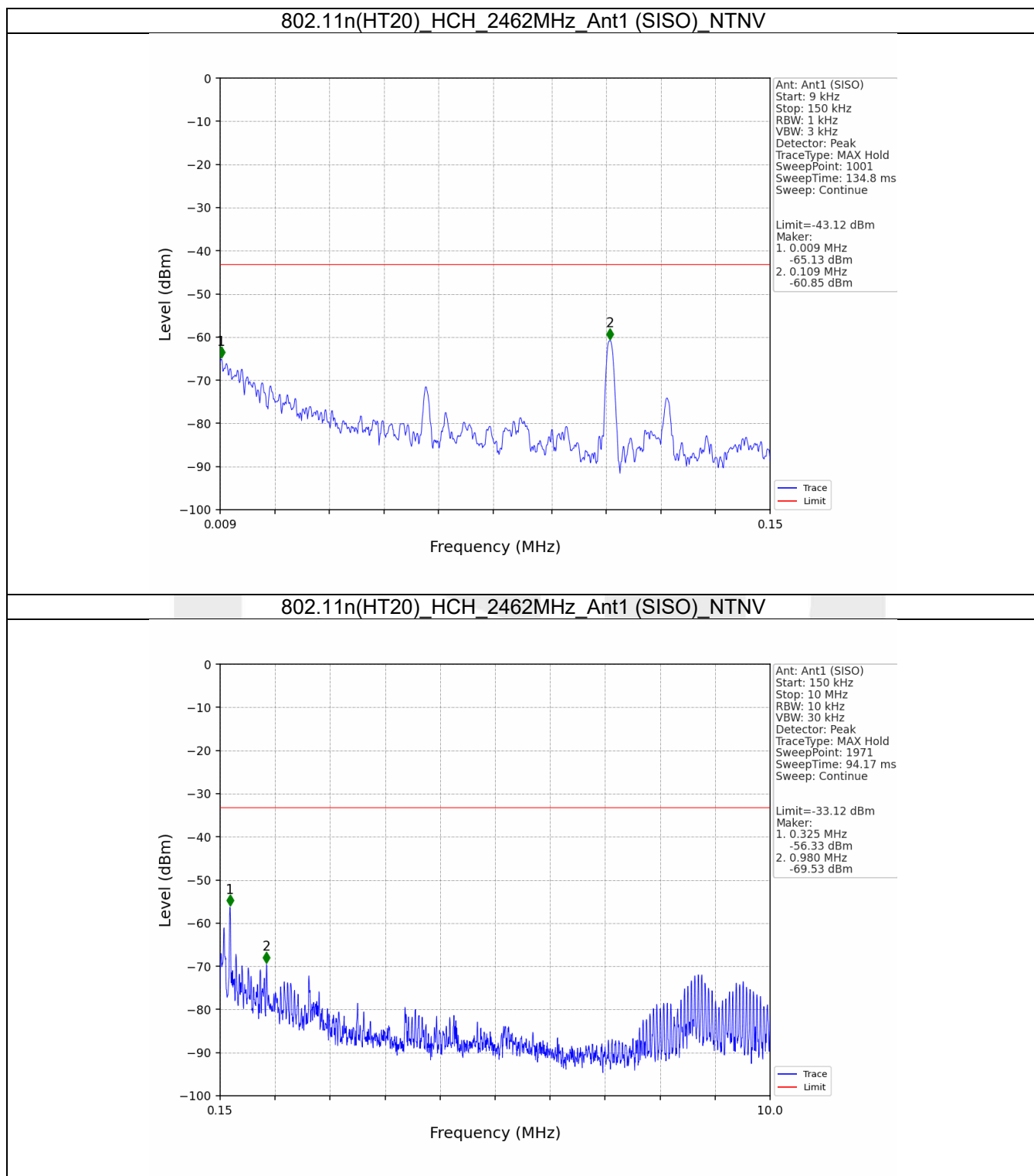


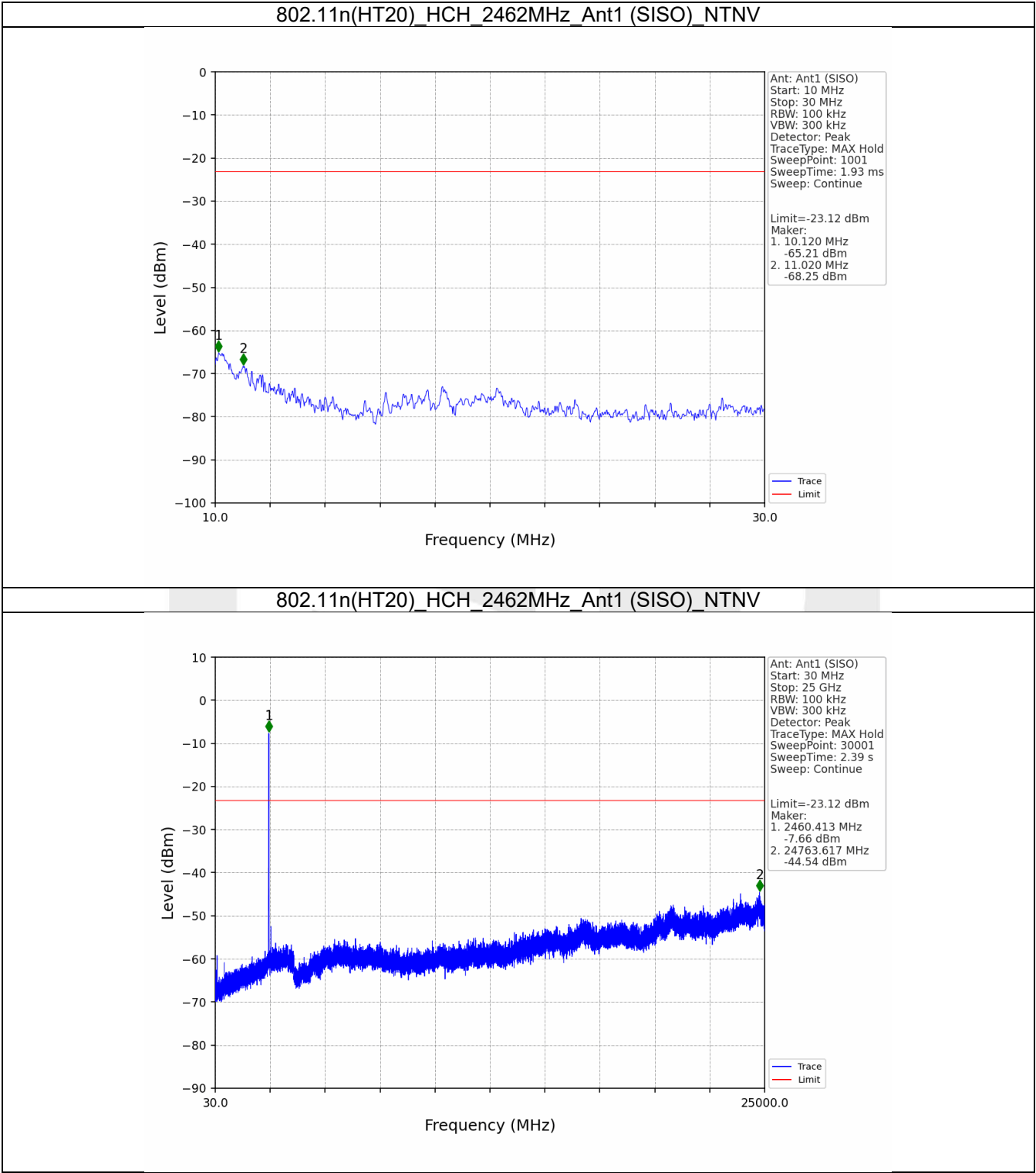












----- End of Report -----