



## 1. Duty Cycle

### 1.1 Test Result

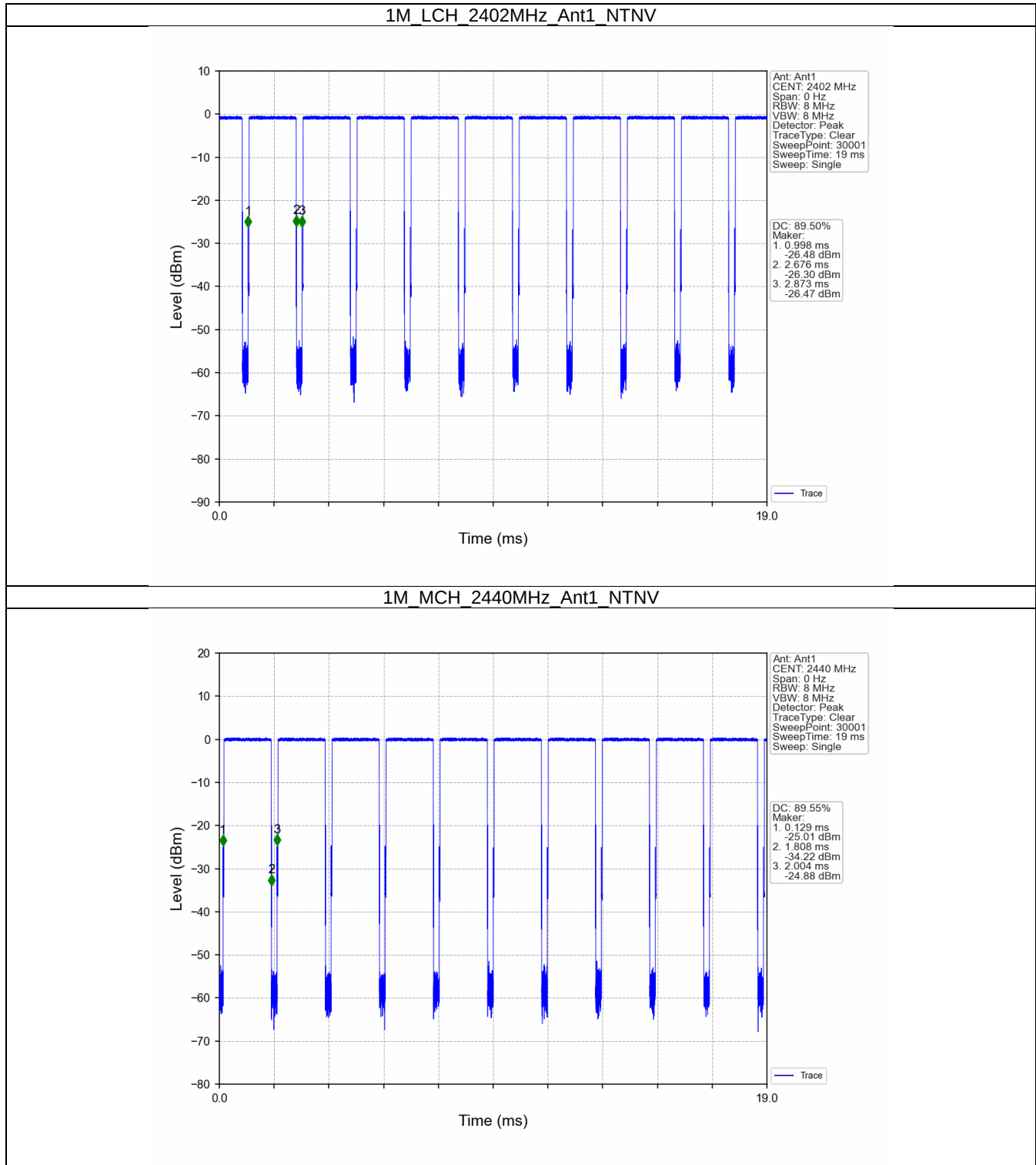
#### 1.1.1 Ant1

| Ant1 |         |                 |           |             |                |                                   |                       |
|------|---------|-----------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode | TX Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 1M   | SISO    | 2402            | 1.679     | 1.876       | 89.50          | 0.48                              | 0.03                  |
|      |         | 2440            | 1.679     | 1.875       | 89.55          | 0.48                              | 0.03                  |
|      |         | 2480            | 1.679     | 1.876       | 89.50          | 0.48                              | 0.03                  |
| 2M   | SISO    | 2402            | 0.866     | 1.250       | 69.28          | 1.59                              | 0.03                  |
|      |         | 2440            | 0.866     | 1.250       | 69.28          | 1.59                              | 0.05                  |
|      |         | 2480            | 0.866     | 1.250       | 69.28          | 1.59                              | 0.03                  |



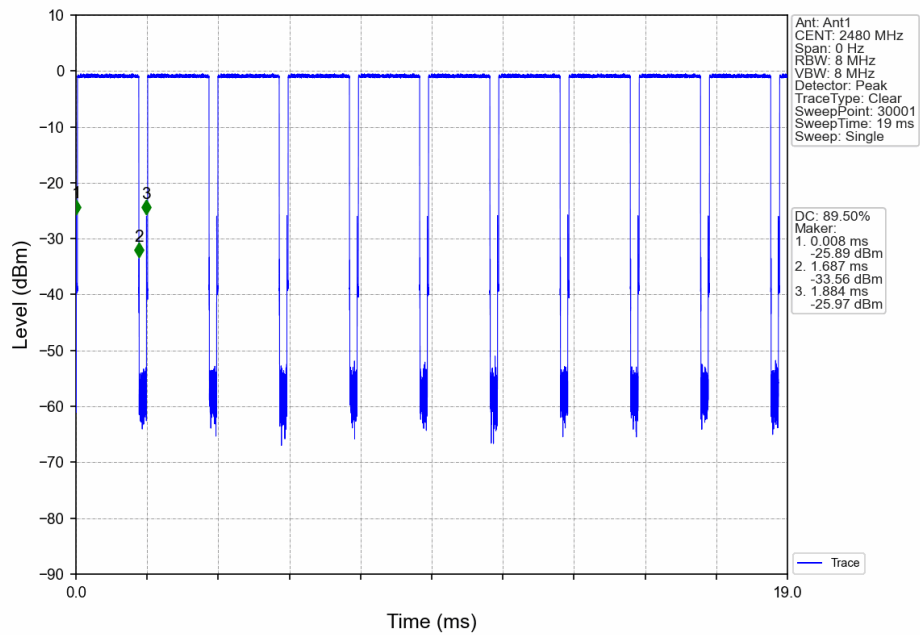
## 1.2 Test Graph

### 1.2.1 Ant1

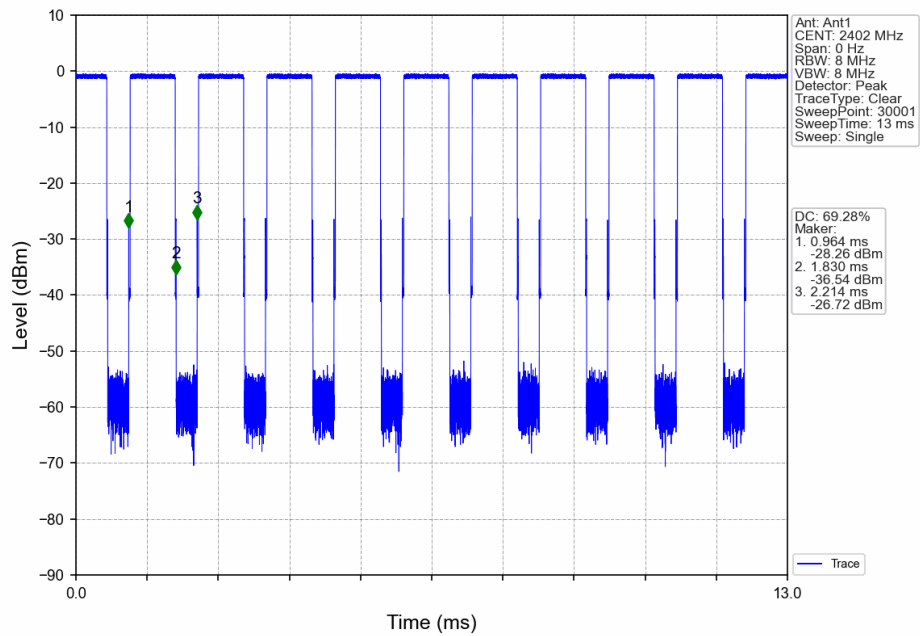




1M\_HCH\_2480MHz\_Ant1\_NTNV

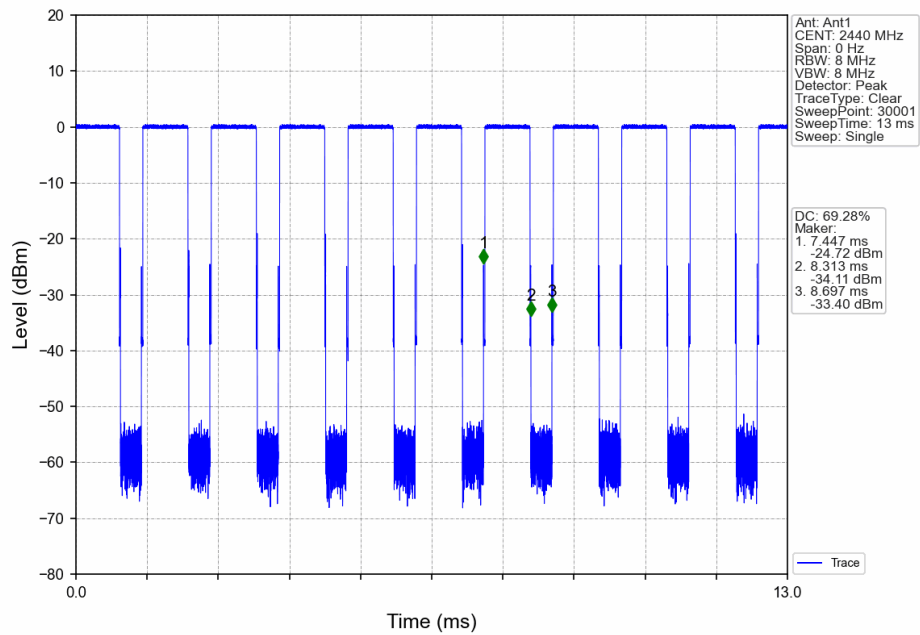


2M\_LCH\_2402MHz\_Ant1\_NTNV

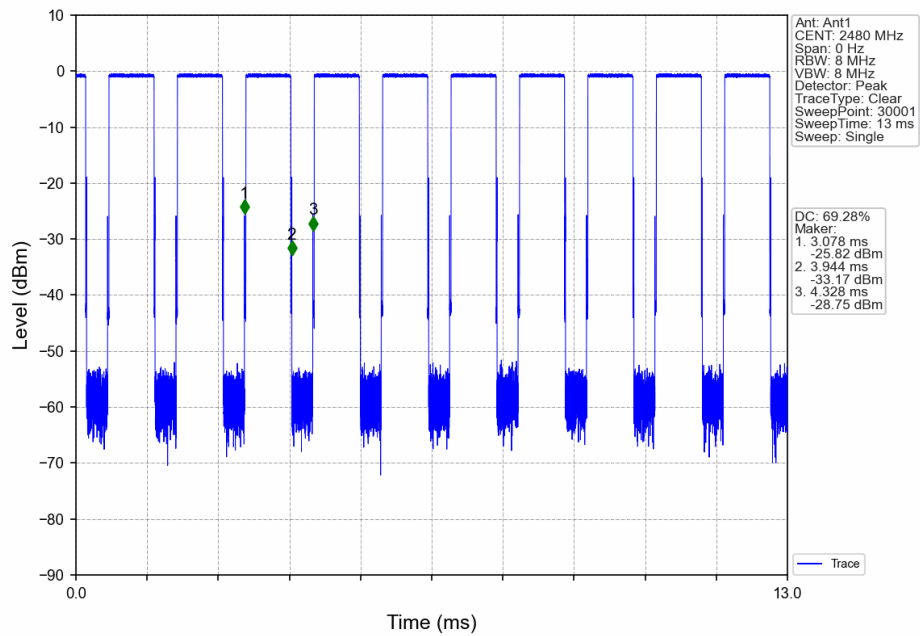




2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV





## 2. Bandwidth

### 2.1 Test Result

#### 2.1.1 OBW

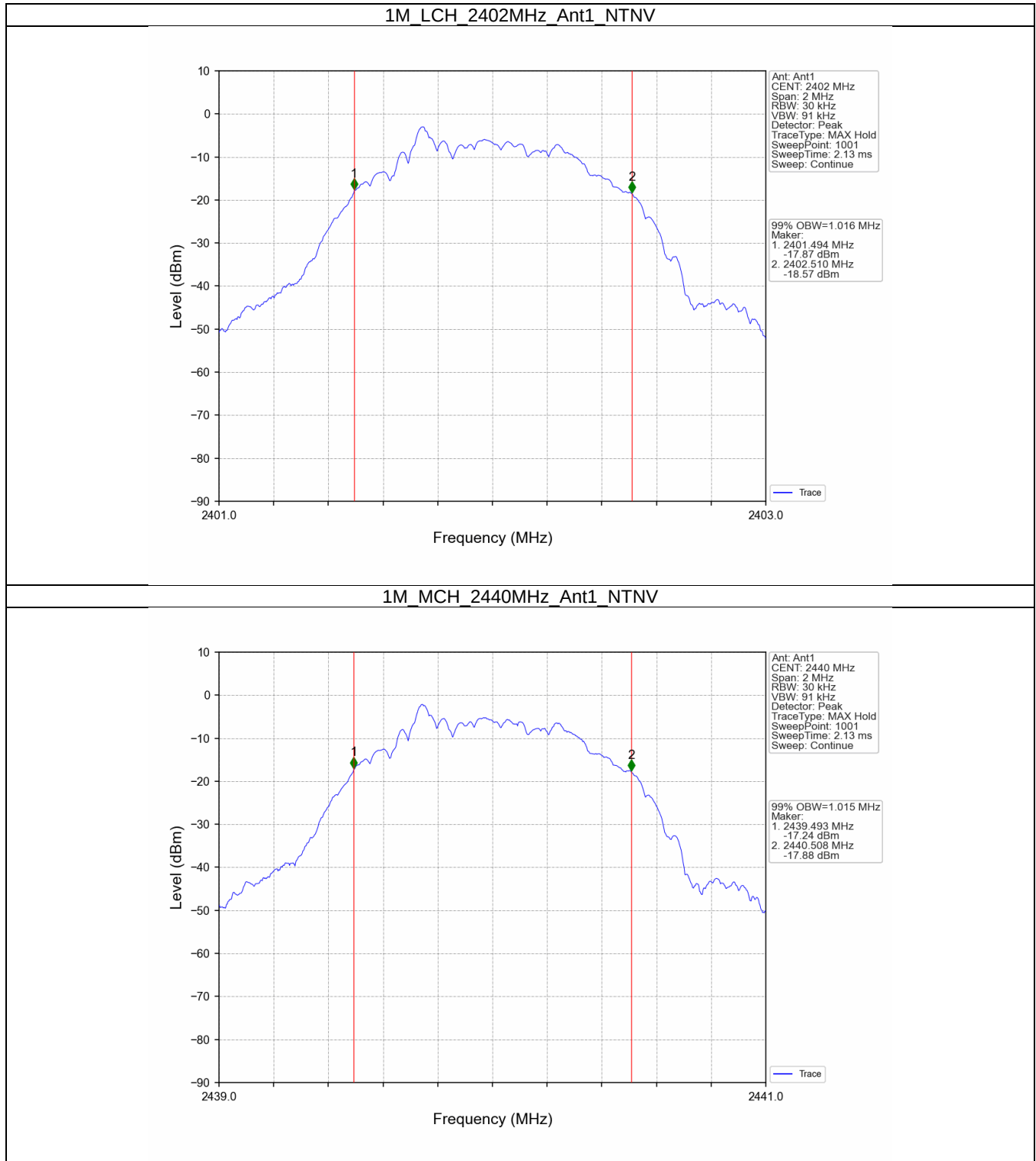
| Mode | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) |       | Verdict |
|------|---------|-----------------|-----|------------------------------|-------|---------|
|      |         |                 |     | Result                       | Limit |         |
| 1M   | SISO    | 2402            | 1   | 1.016                        | /     | Pass    |
|      |         | 2440            | 1   | 1.015                        | /     | Pass    |
|      |         | 2480            | 1   | 1.016                        | /     | Pass    |
| 2M   | SISO    | 2402            | 1   | 2.037                        | /     | Pass    |
|      |         | 2440            | 1   | 2.036                        | /     | Pass    |
|      |         | 2480            | 1   | 2.036                        | /     | Pass    |

#### 2.1.2 6dB BW

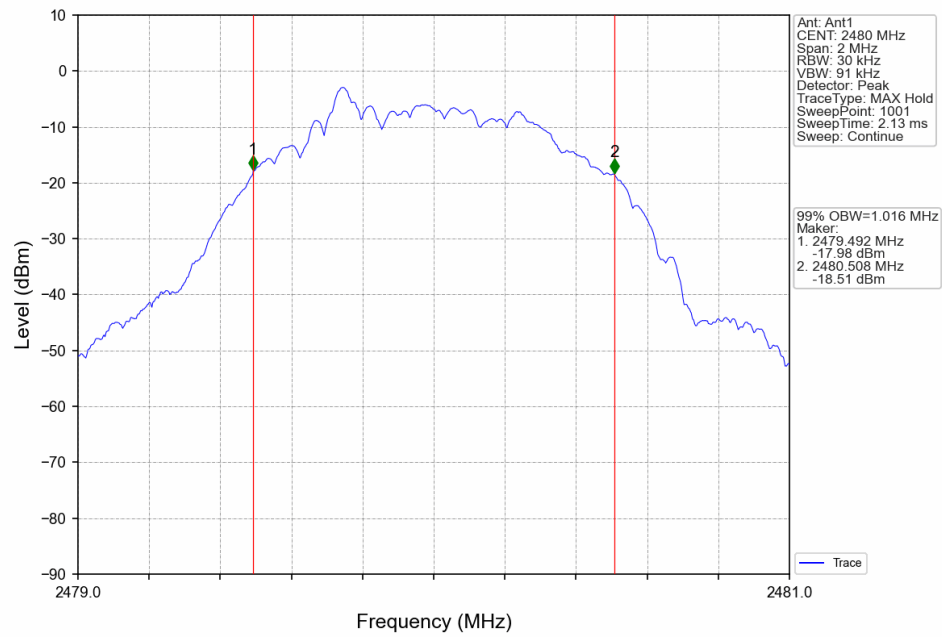
| Mode | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) |            | Verdict |
|------|---------|-----------------|-----|---------------------|------------|---------|
|      |         |                 |     | Result              | Limit      |         |
| 1M   | SISO    | 2402            | 1   | 0.668               | $\geq 0.5$ | Pass    |
|      |         | 2440            | 1   | 0.668               | $\geq 0.5$ | Pass    |
|      |         | 2480            | 1   | 0.666               | $\geq 0.5$ | Pass    |
| 2M   | SISO    | 2402            | 1   | 1.179               | $\geq 0.5$ | Pass    |
|      |         | 2440            | 1   | 1.161               | $\geq 0.5$ | Pass    |
|      |         | 2480            | 1   | 1.166               | $\geq 0.5$ | Pass    |

## 2.2 Test Graph

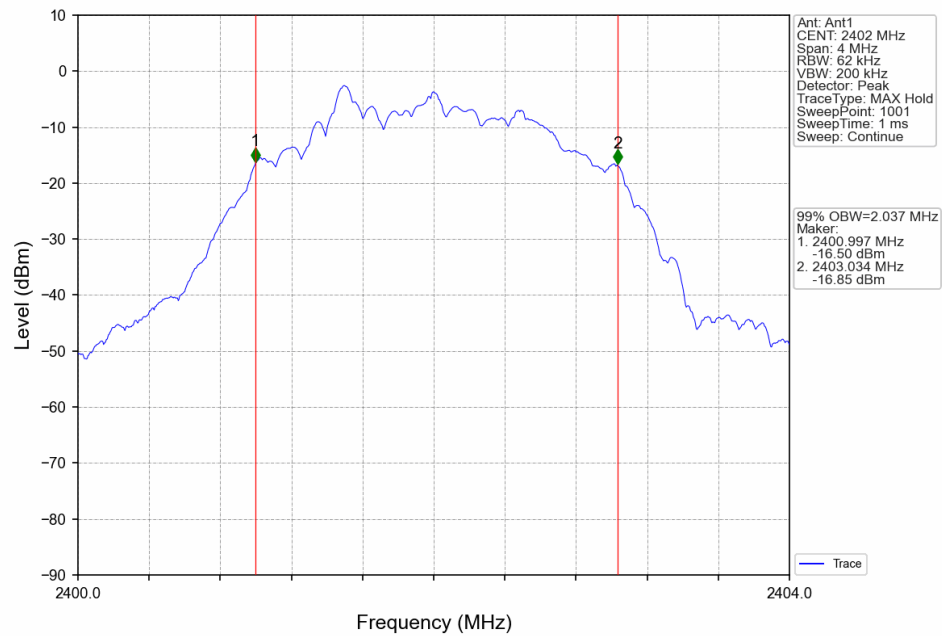
### 2.2.1 OBW



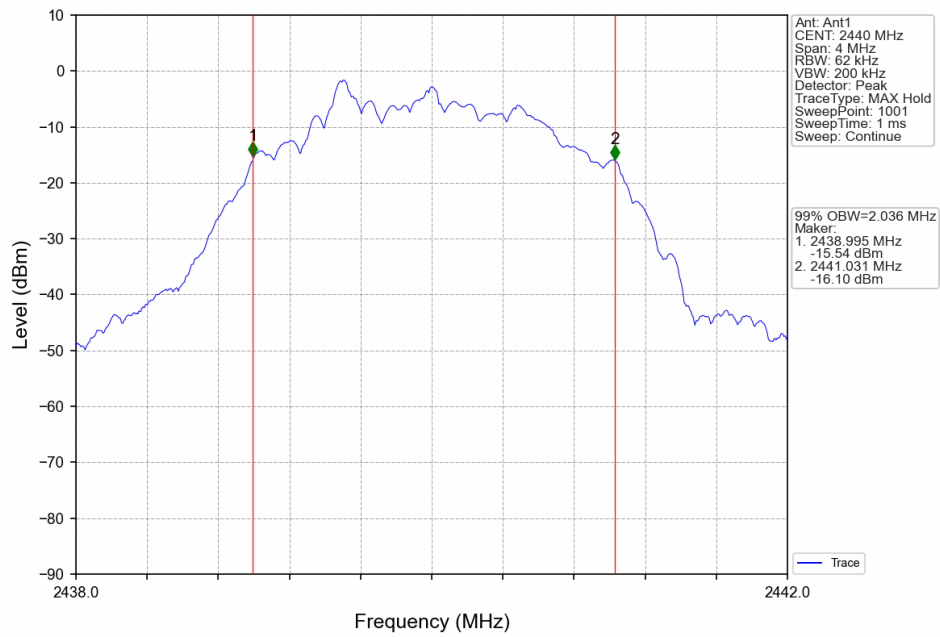
## 1M\_HCH\_2480MHz\_Ant1\_NTNV



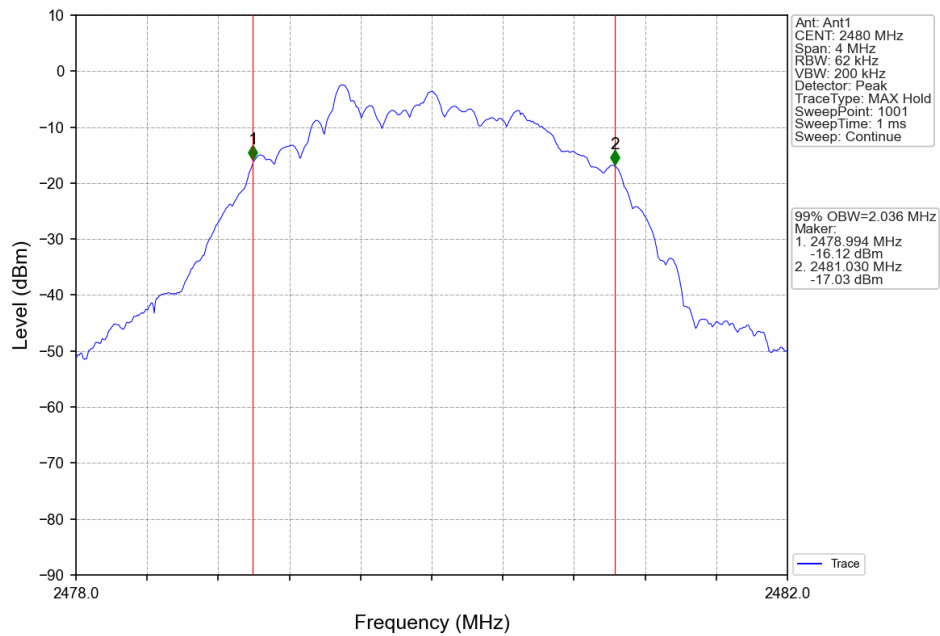
## 2M\_LCH\_2402MHz\_Ant1\_NTNV



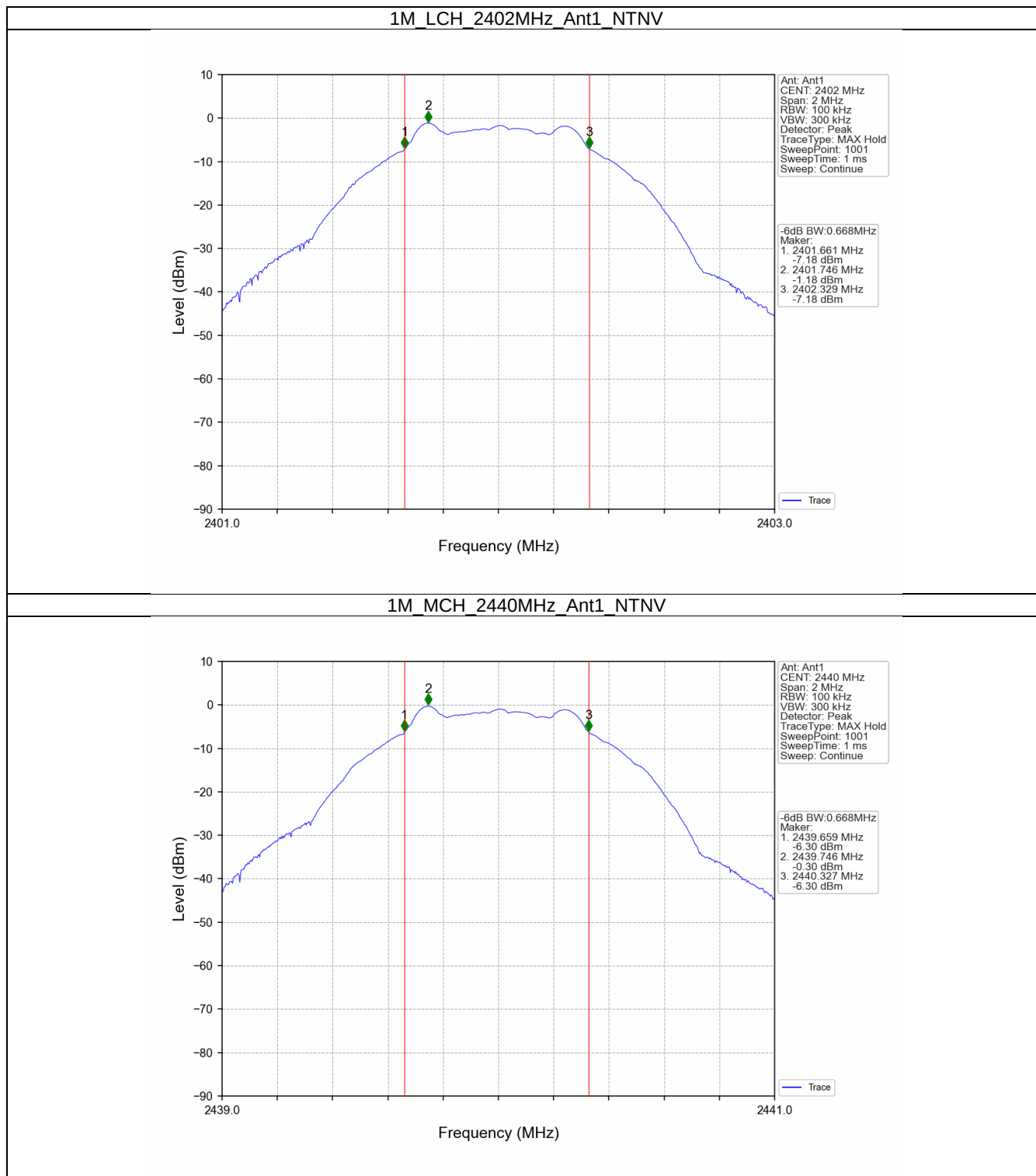
2M\_MCH\_2440MHz\_Ant1\_NTNV



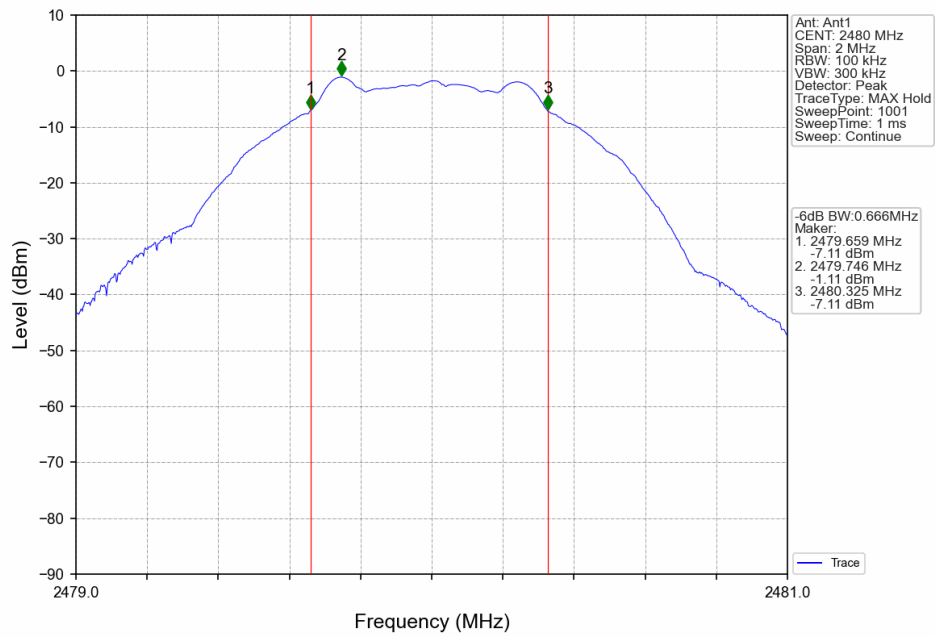
2M\_HCH\_2480MHz\_Ant1\_NTNV



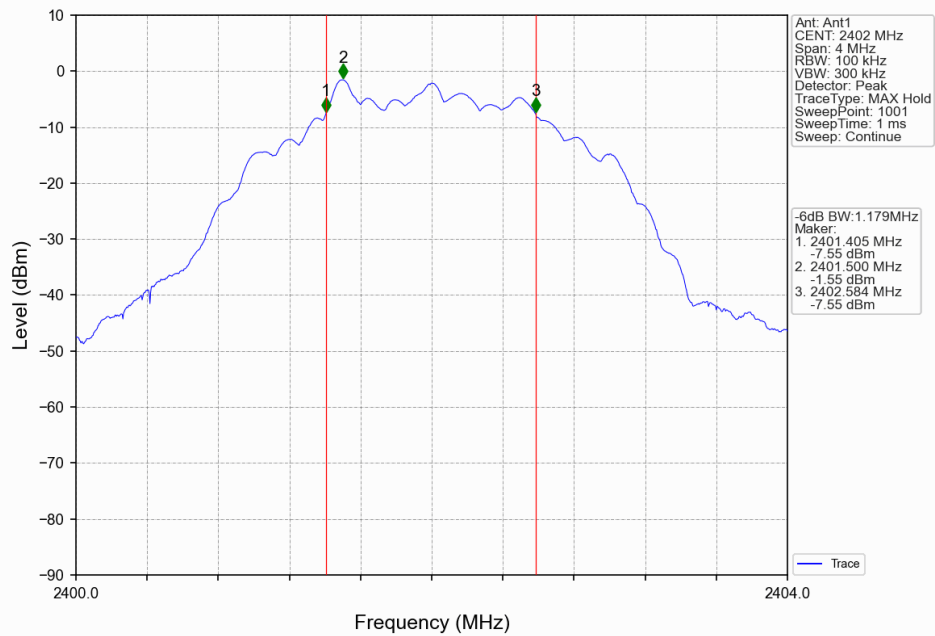
## 2.2.2 6dB BW



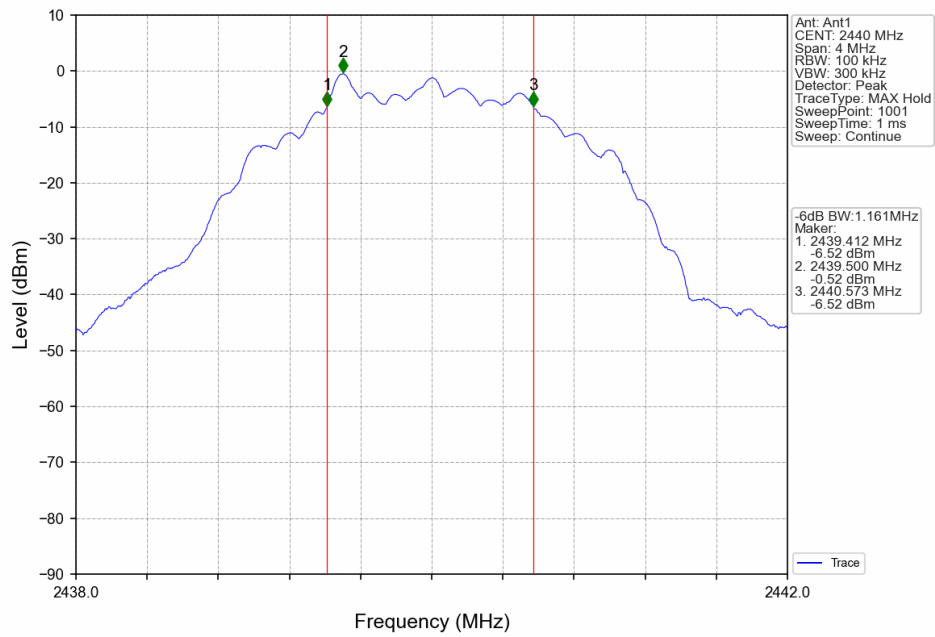
### 1M\_HCH\_2480MHz\_Ant1\_NTNV



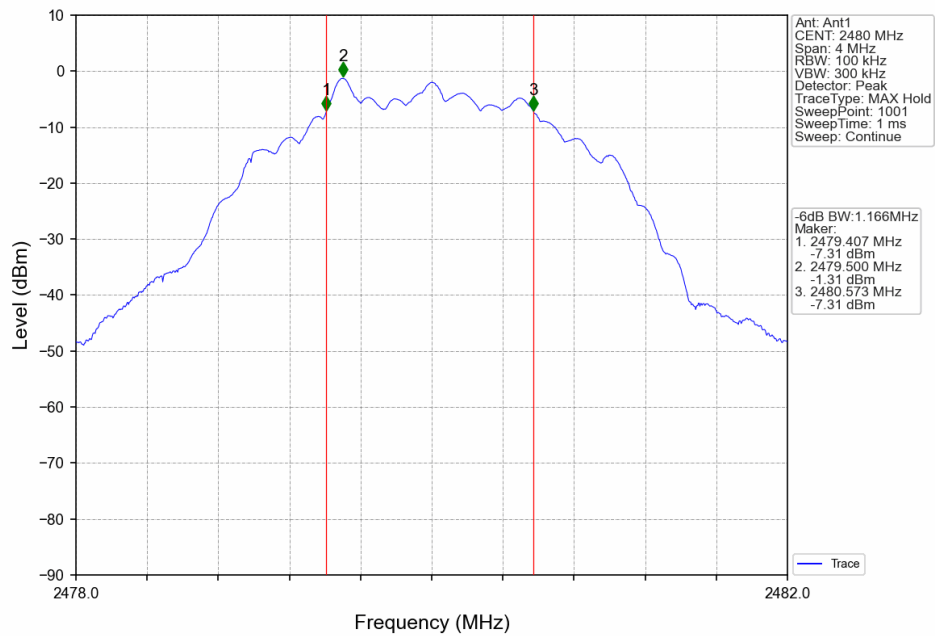
### 2M\_LCH\_2402MHz\_Ant1\_NTNV



2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV





### 3. Maximum Conducted Output Power

#### 3.1 Test Result

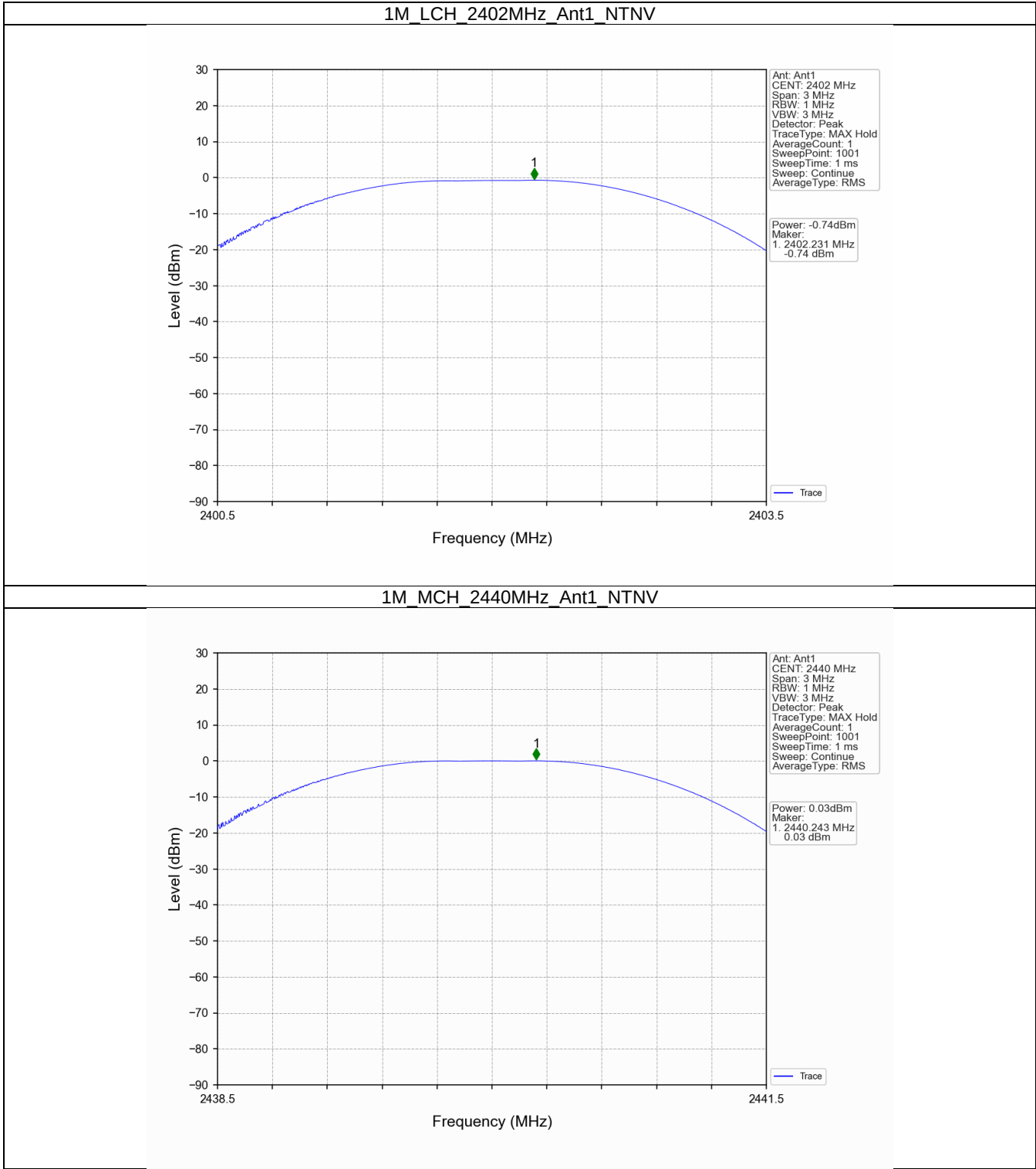
##### 3.1.1 Power

| Mode                                | TX Type | Frequency (MHz) | Maximum Peak Conducted Output Power (dBm) |       | Verdict |
|-------------------------------------|---------|-----------------|-------------------------------------------|-------|---------|
|                                     |         |                 | ANT1                                      | Limit |         |
| 1M                                  | SISO    | 2402            | -0.74                                     | <=30  | Pass    |
|                                     |         | 2440            | 0.03                                      | <=30  | Pass    |
|                                     |         | 2480            | -0.83                                     | <=30  | Pass    |
| 2M                                  | SISO    | 2402            | -0.73                                     | <=30  | Pass    |
|                                     |         | 2440            | 0.11                                      | <=30  | Pass    |
|                                     |         | 2480            | -0.75                                     | <=30  | Pass    |
| Note1: Antenna Gain: Ant1: 2.50dBi; |         |                 |                                           |       |         |

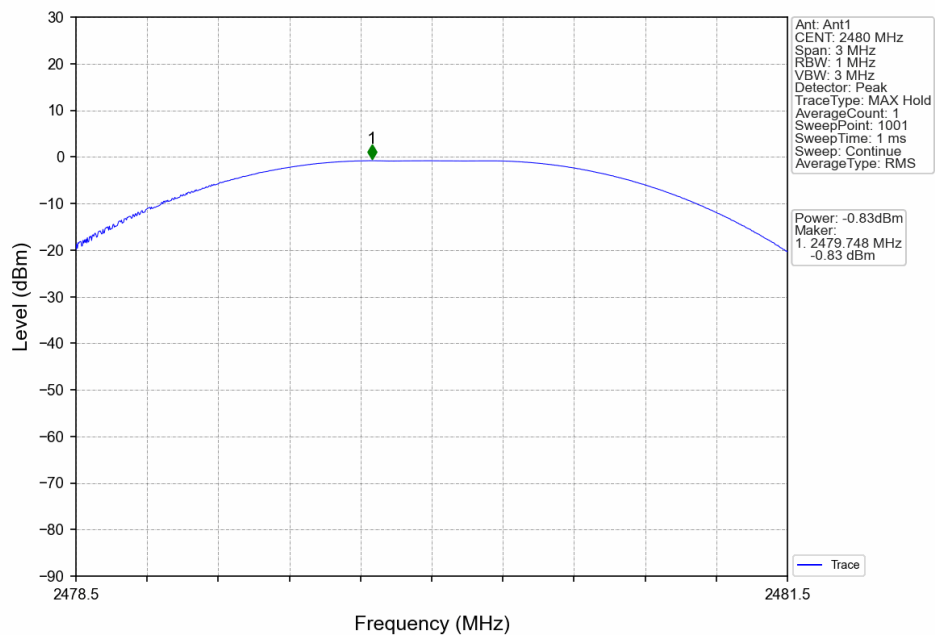


3.2 Test Graph

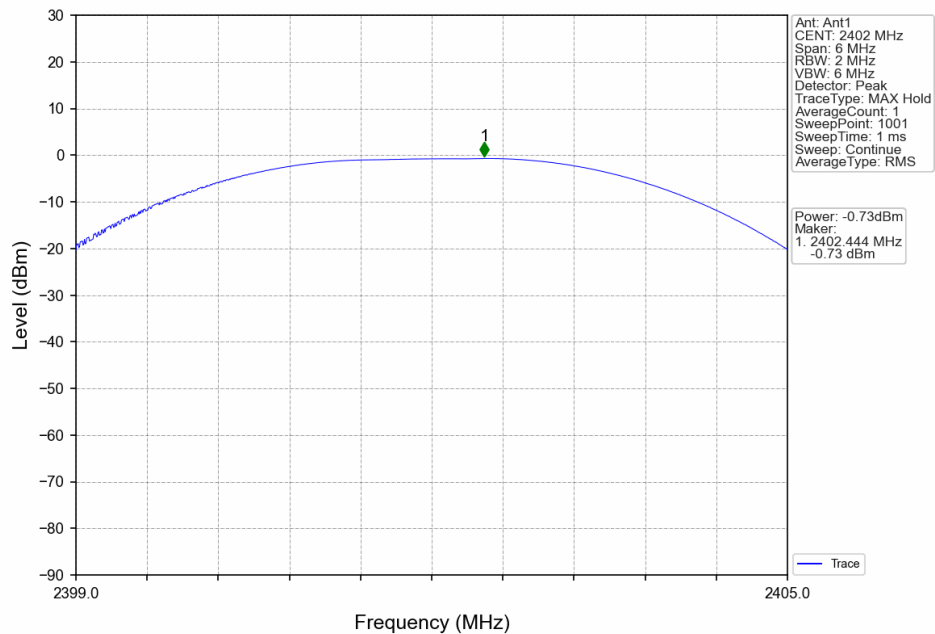
3.2.1 Power

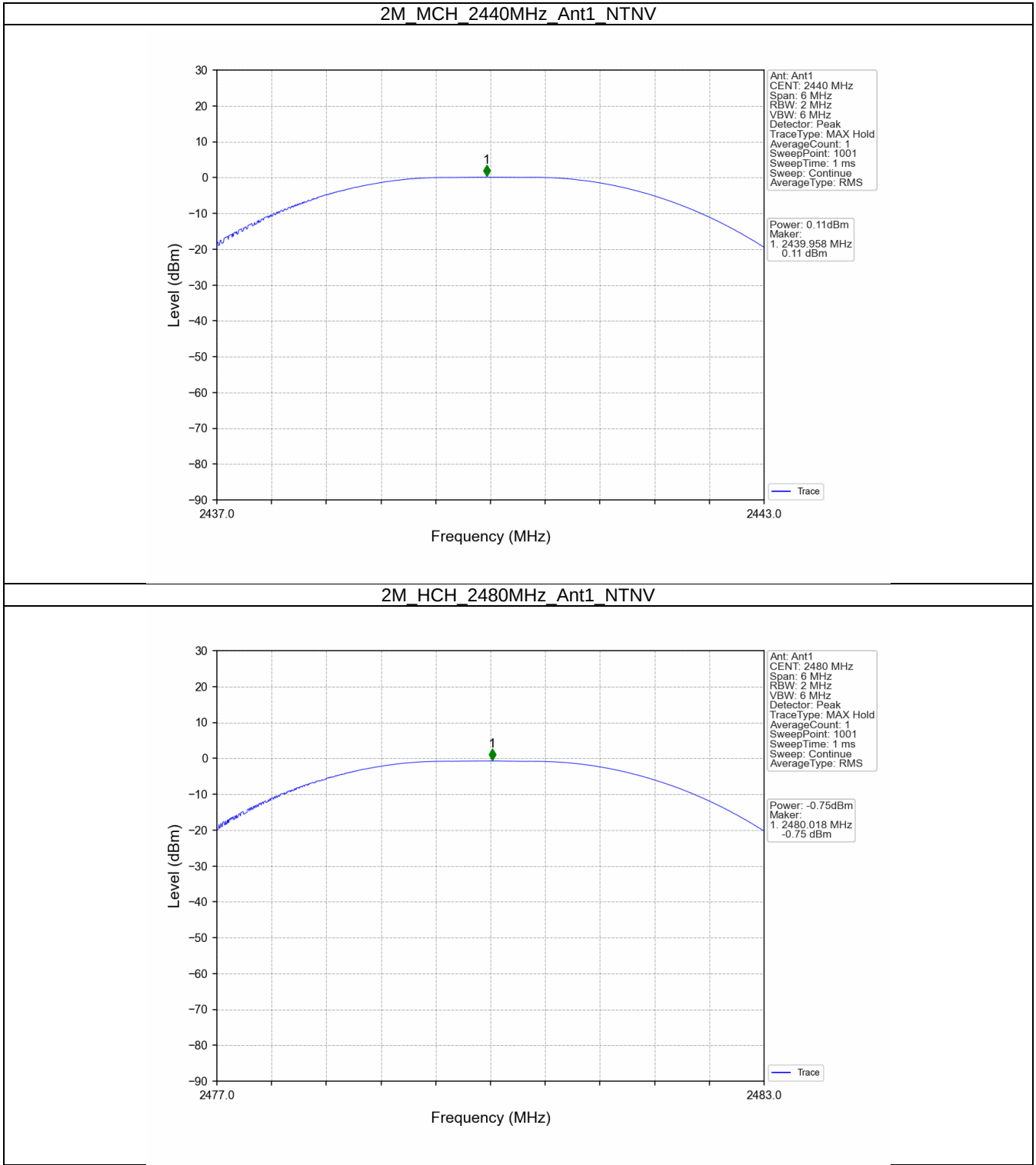


1M\_HCH\_2480MHz\_Ant1\_NTNV



2M\_LCH\_2402MHz\_Ant1\_NTNV







## 4. Maximum Power Spectral Density

### 4.1 Test Result

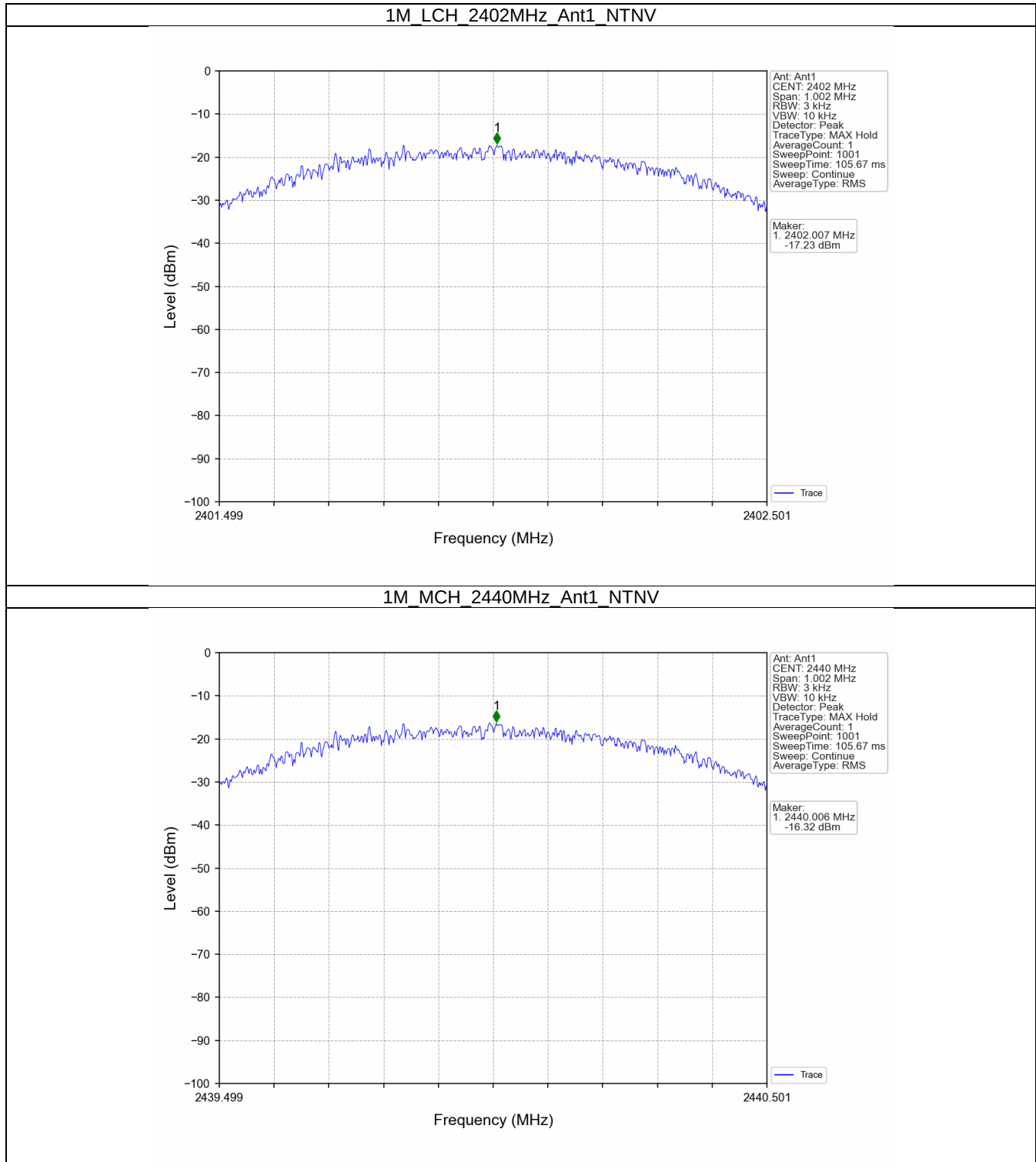
#### 4.1.1 PSD

| Mode                                | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) |       | Verdict |
|-------------------------------------|---------|-----------------|------------------------|-------|---------|
|                                     |         |                 | ANT1                   | Limit |         |
| 1M                                  | SISO    | 2402            | -17.23                 | <=8   | Pass    |
|                                     |         | 2440            | -16.32                 | <=8   | Pass    |
|                                     |         | 2480            | -17.29                 | <=8   | Pass    |
| 2M                                  | SISO    | 2402            | -20.41                 | <=8   | Pass    |
|                                     |         | 2440            | -19.66                 | <=8   | Pass    |
|                                     |         | 2480            | -20.44                 | <=8   | Pass    |
| Note1: Antenna Gain: Ant1: 2.50dBi; |         |                 |                        |       |         |



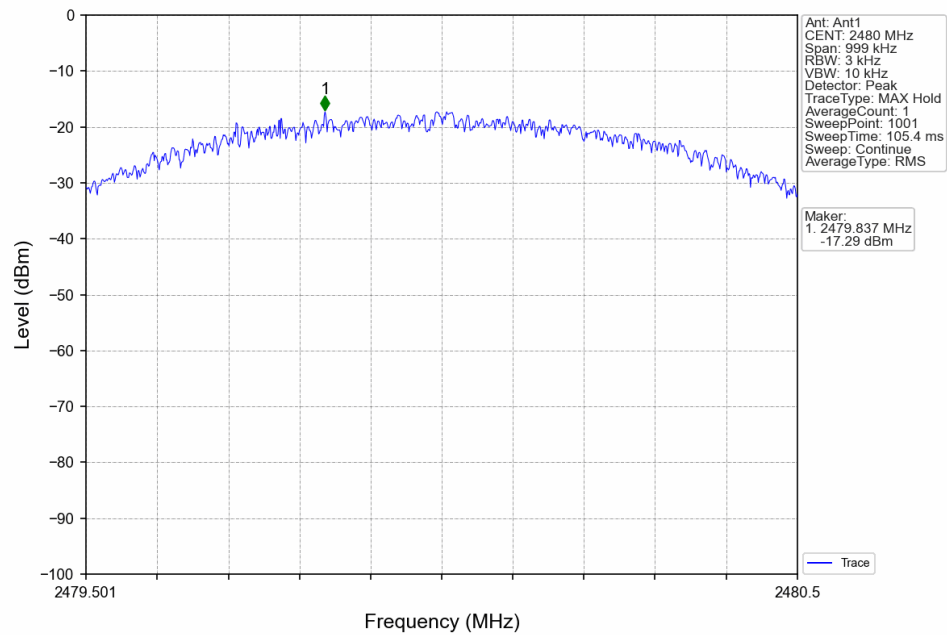
## 4.2 Test Graph

### 4.2.1 PSD

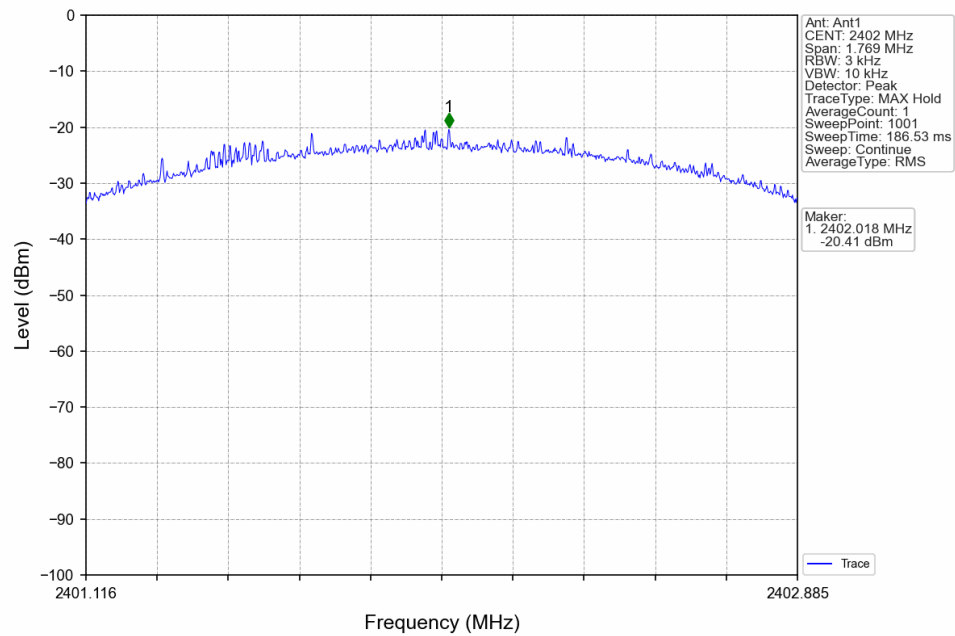




1M\_HCH\_2480MHz\_Ant1\_NTNV

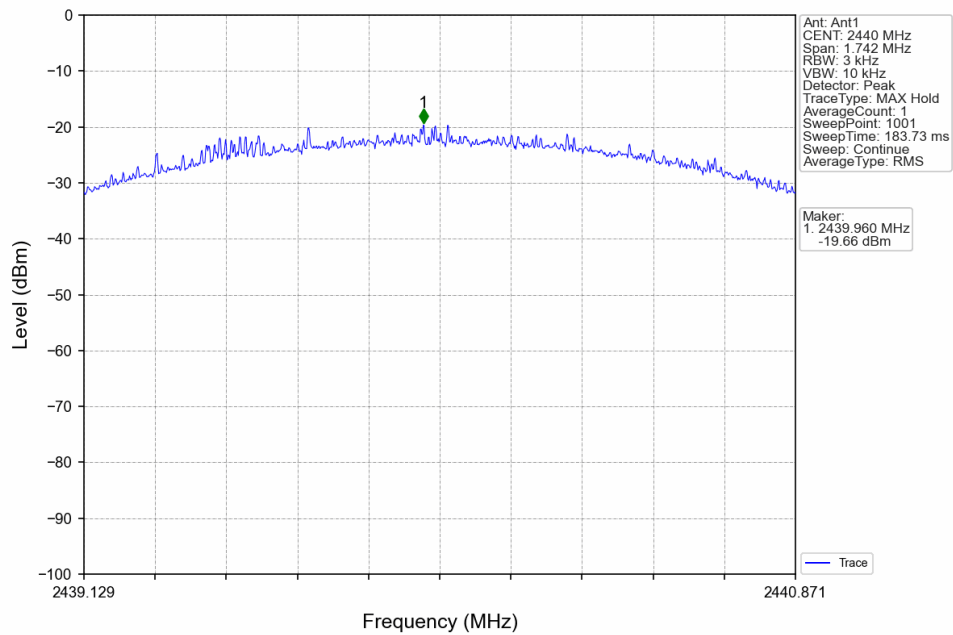


2M\_LCH\_2402MHz\_Ant1\_NTNV

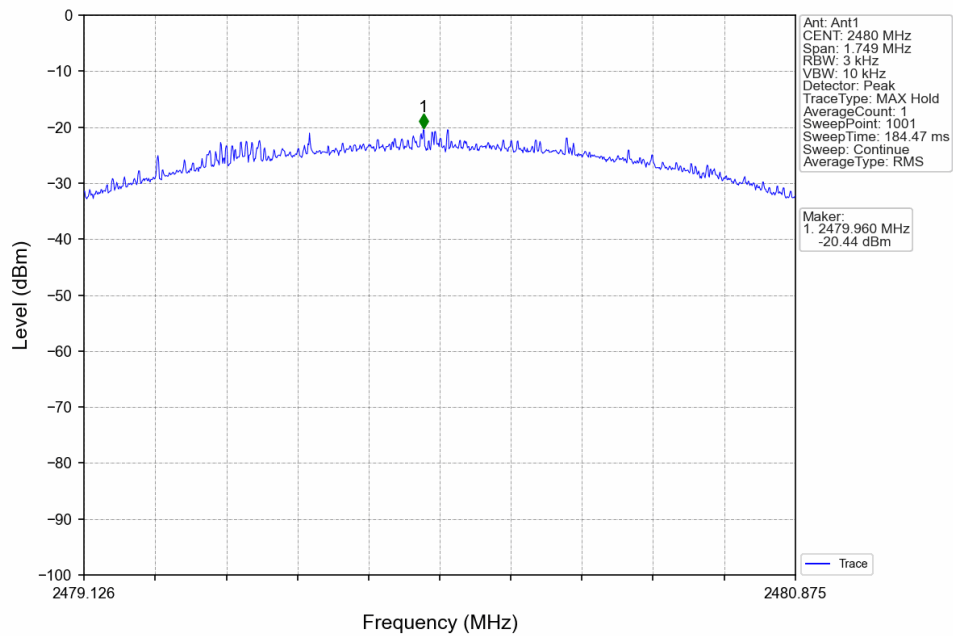




2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV



## 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   | -1.18                    |
|      |         | 2440            | 1   | -0.32                    |
|      |         | 2480            | 1   | -1.13                    |
| 2M   | SISO    | 2402            | 1   | -1.55                    |
|      |         | 2440            | 1   | -0.54                    |
|      |         | 2480            | 1   | -1.33                    |

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 CSE

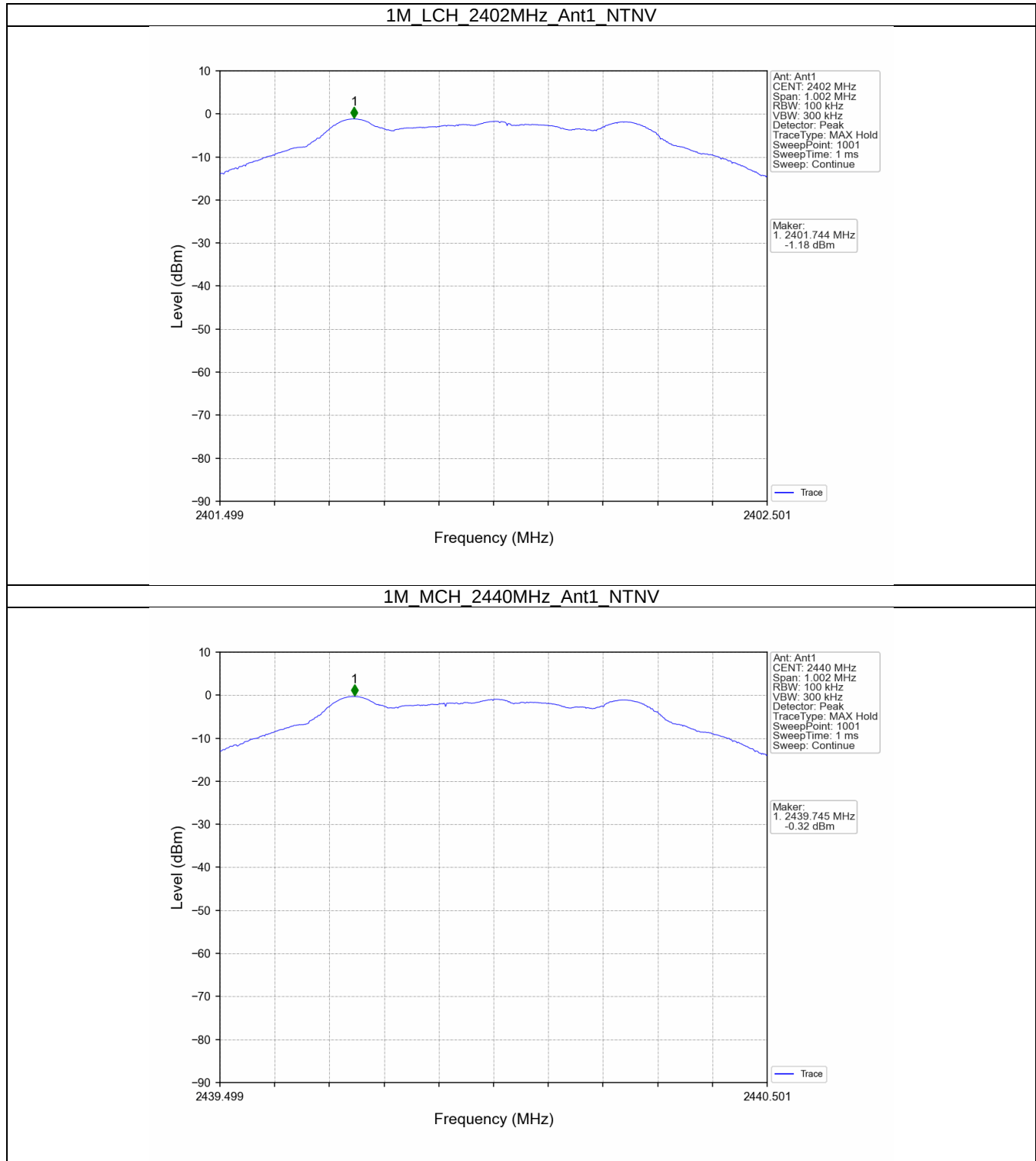
| Mode | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|------|---------|-----------------|-----|--------------------------|-------------|---------|
| 1M   | SISO    | 2402            | 1   | -1.18                    | -21.18      | Pass    |
|      |         | 2440            | 1   | -0.32                    | -20.32      | Pass    |
|      |         | 2480            | 1   | -1.13                    | -21.13      | Pass    |
| 2M   | SISO    | 2402            | 1   | -1.55                    | -21.55      | Pass    |
|      |         | 2440            | 1   | -0.54                    | -20.54      | Pass    |
|      |         | 2480            | 1   | -1.33                    | -21.33      | 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.



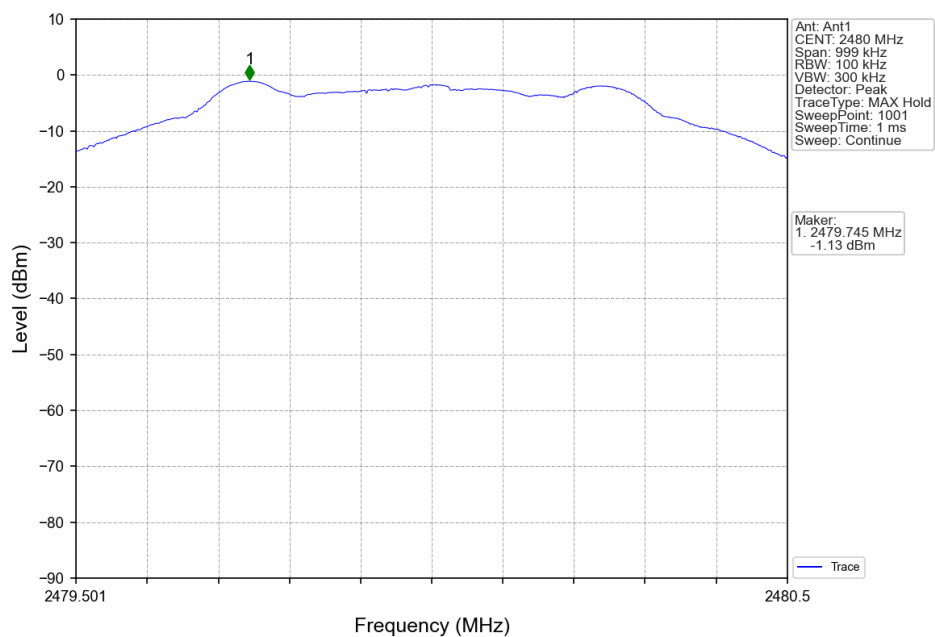
## 5.2 Test Graph

### 5.2.1 Ref

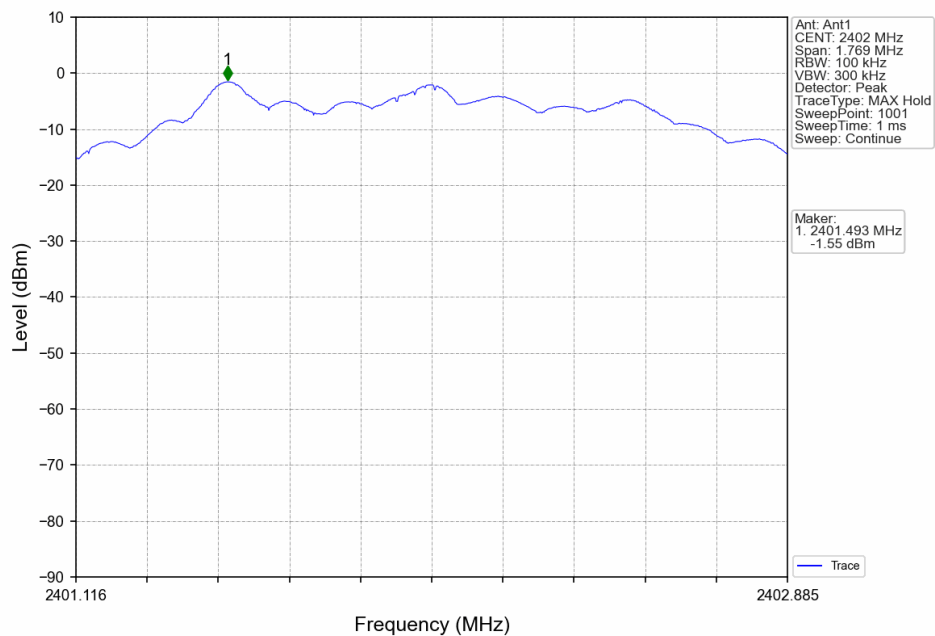




1M\_HCH\_2480MHz\_Ant1\_NTNV

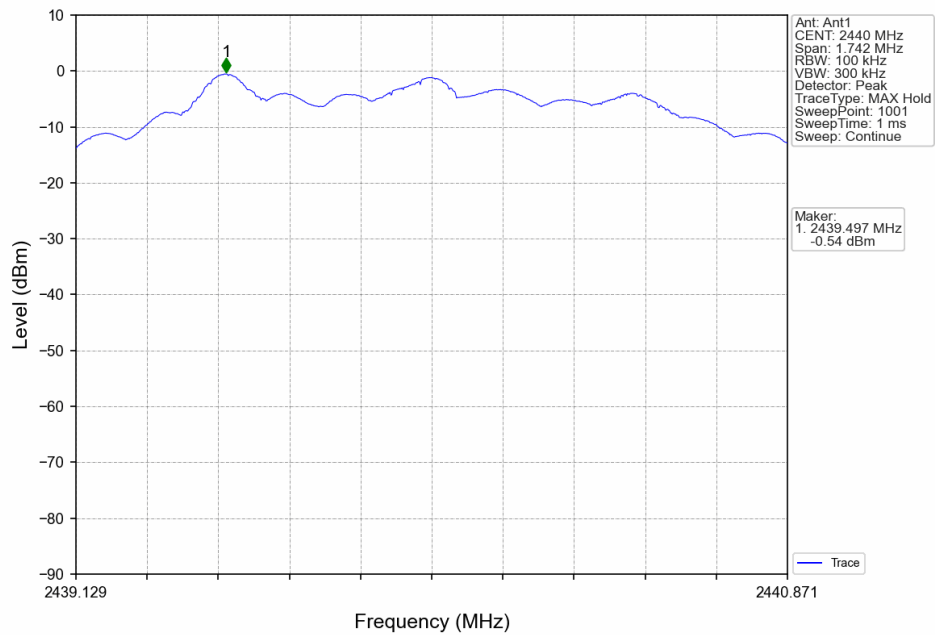


2M\_LCH\_2402MHz\_Ant1\_NTNV

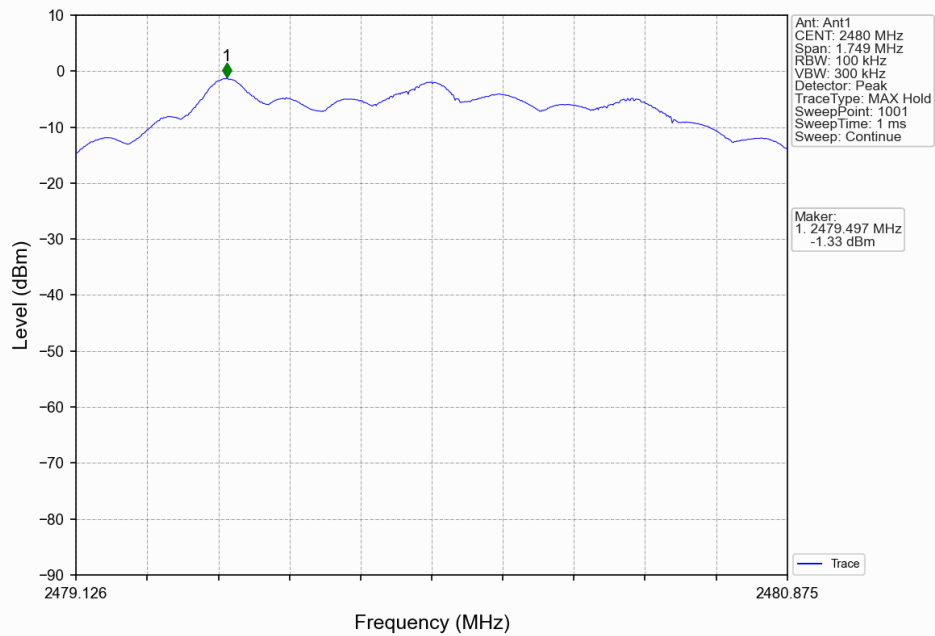




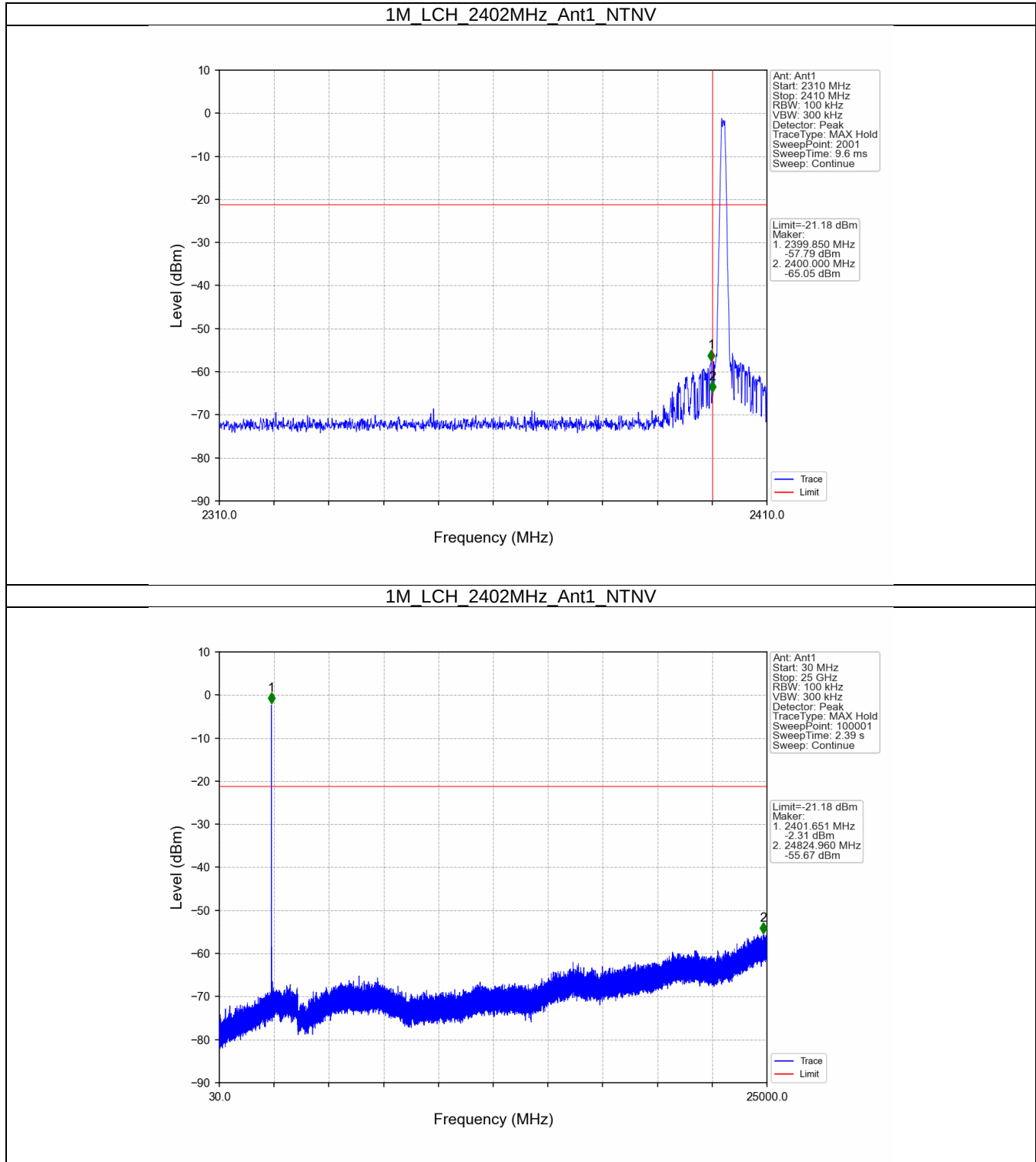
2M\_MCH\_2440MHz\_Ant1\_NTNV



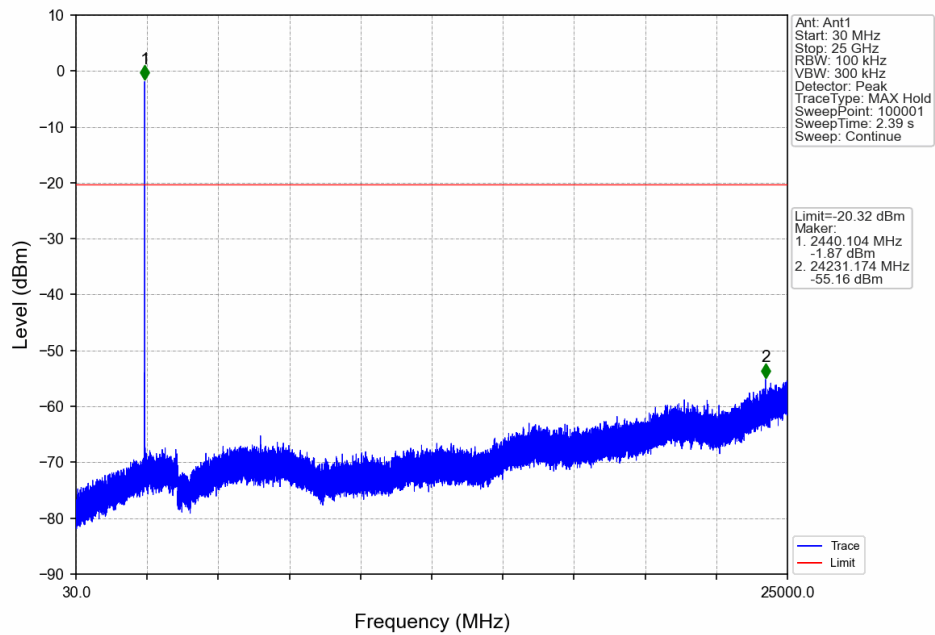
2M\_HCH\_2480MHz\_Ant1\_NTNV



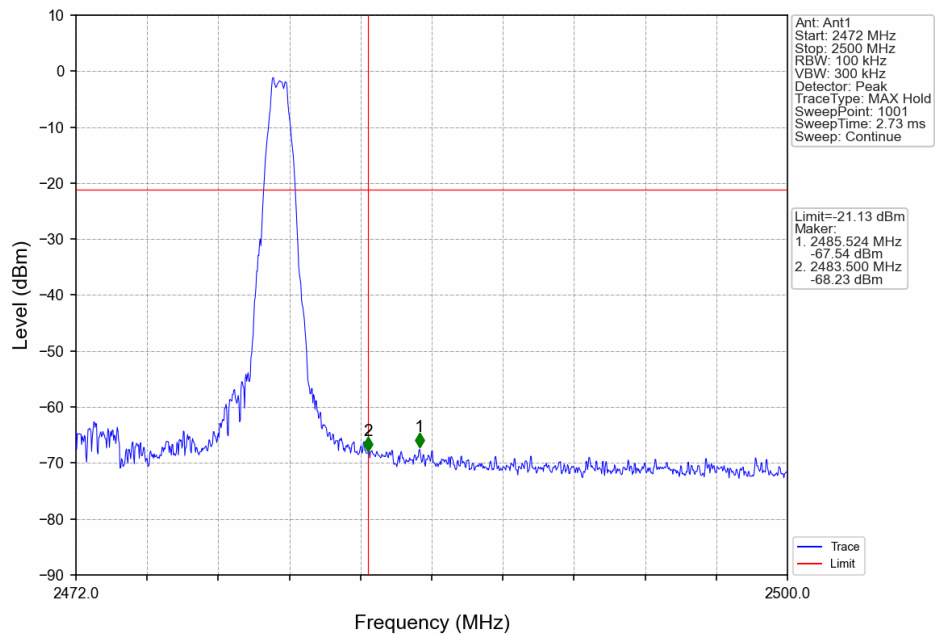
## 5.2.2 CSE



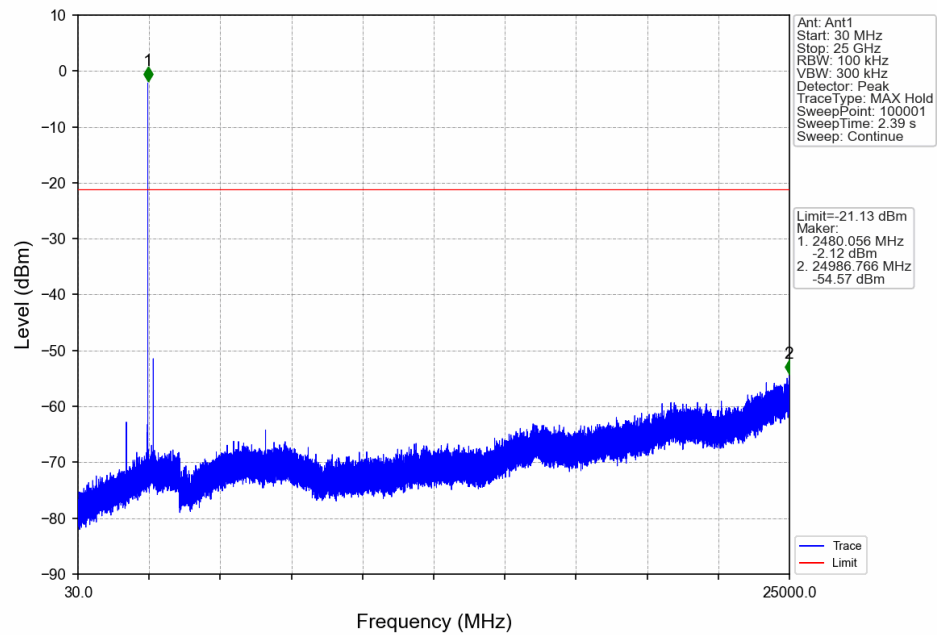
## 1M\_MCH\_2440MHz\_Ant1\_NTNV



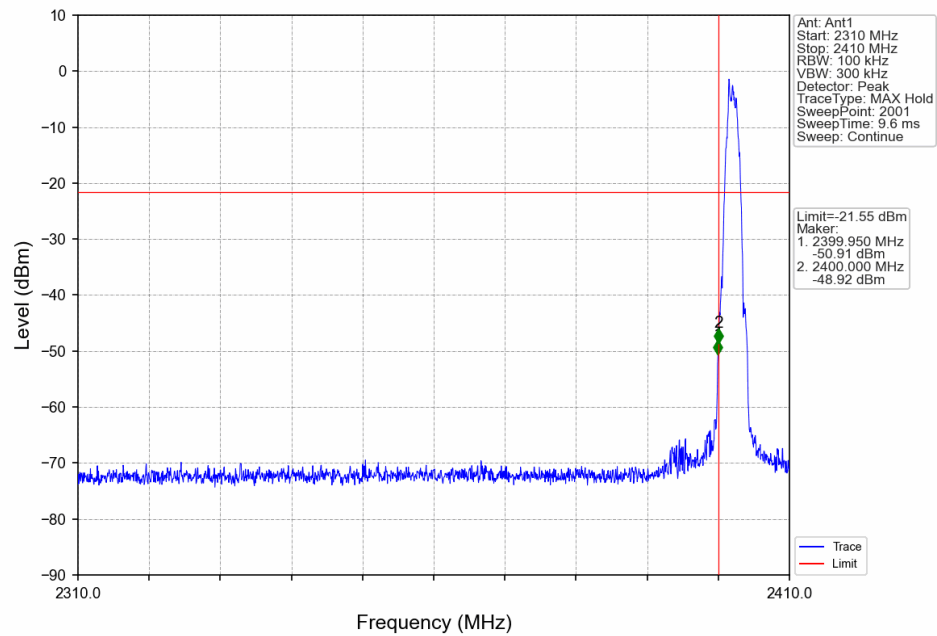
## 1M\_HCH\_2480MHz\_Ant1\_NTNV



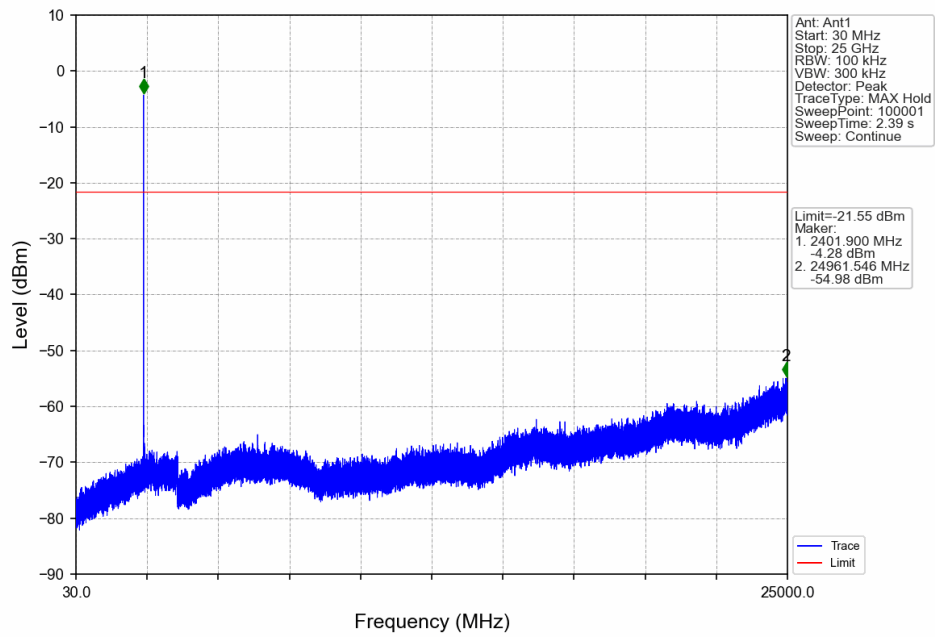
## 1M\_HCH\_2480MHz\_Ant1\_NTNV



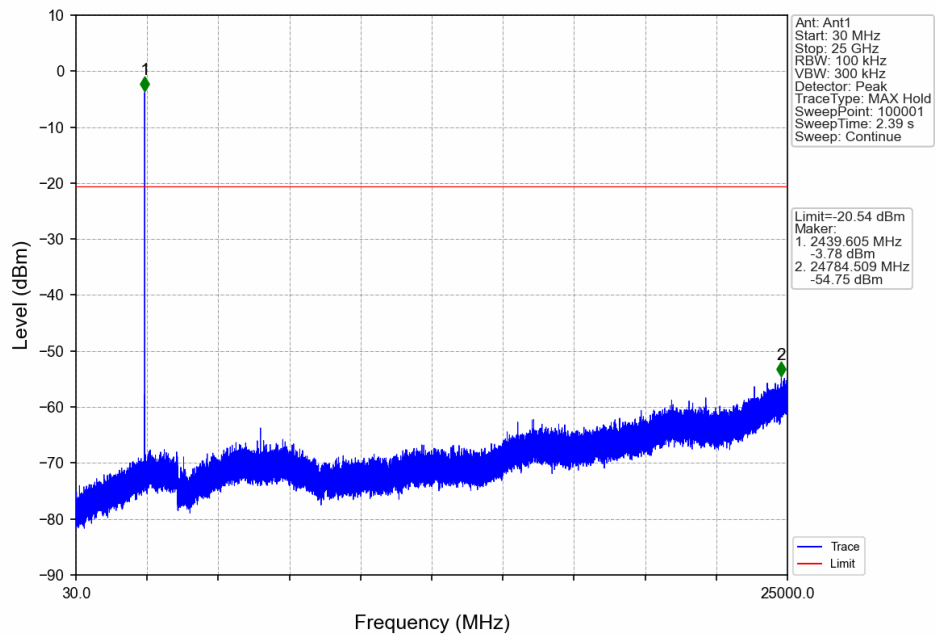
## 2M\_LCH\_2402MHz\_Ant1\_NTNV



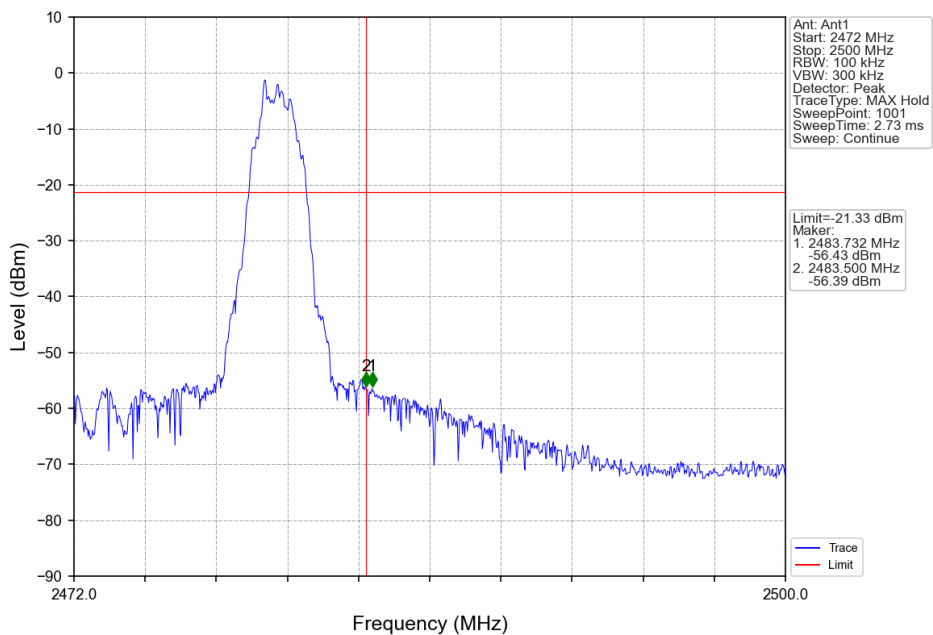
2M\_LCH\_2402MHz\_Ant1\_NTNV



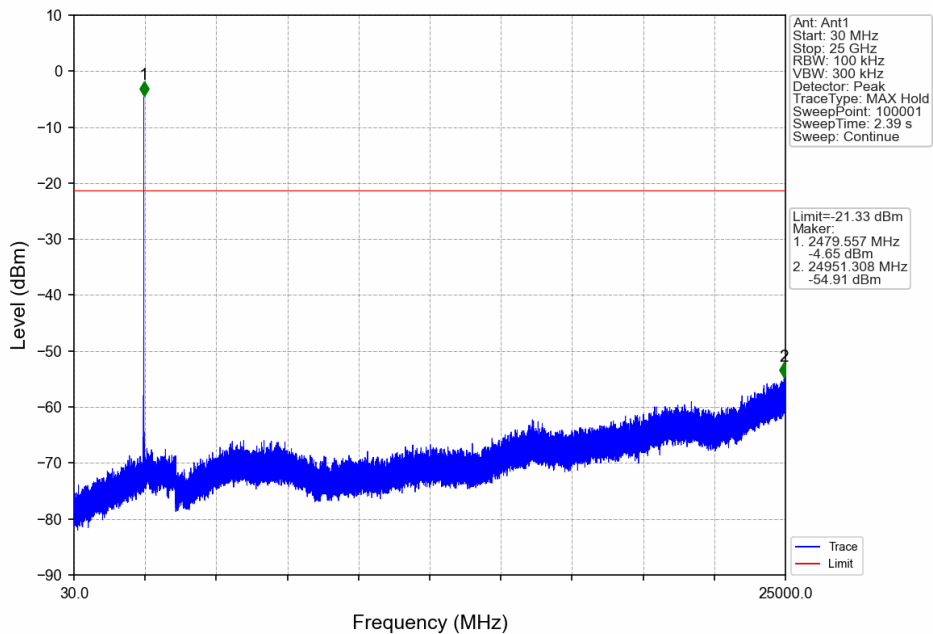
2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV





## 6. Form731

### 6.1 Test Result

#### 6.1.1 Form731

| Lower Freq (MHz) | High Freq (MHz) | MAX Power (W) | MAX Power (dBm) |
|------------------|-----------------|---------------|-----------------|
| 2402             | 2480            | 0.0010        | 0.11            |