

## 1. Duty Cycle

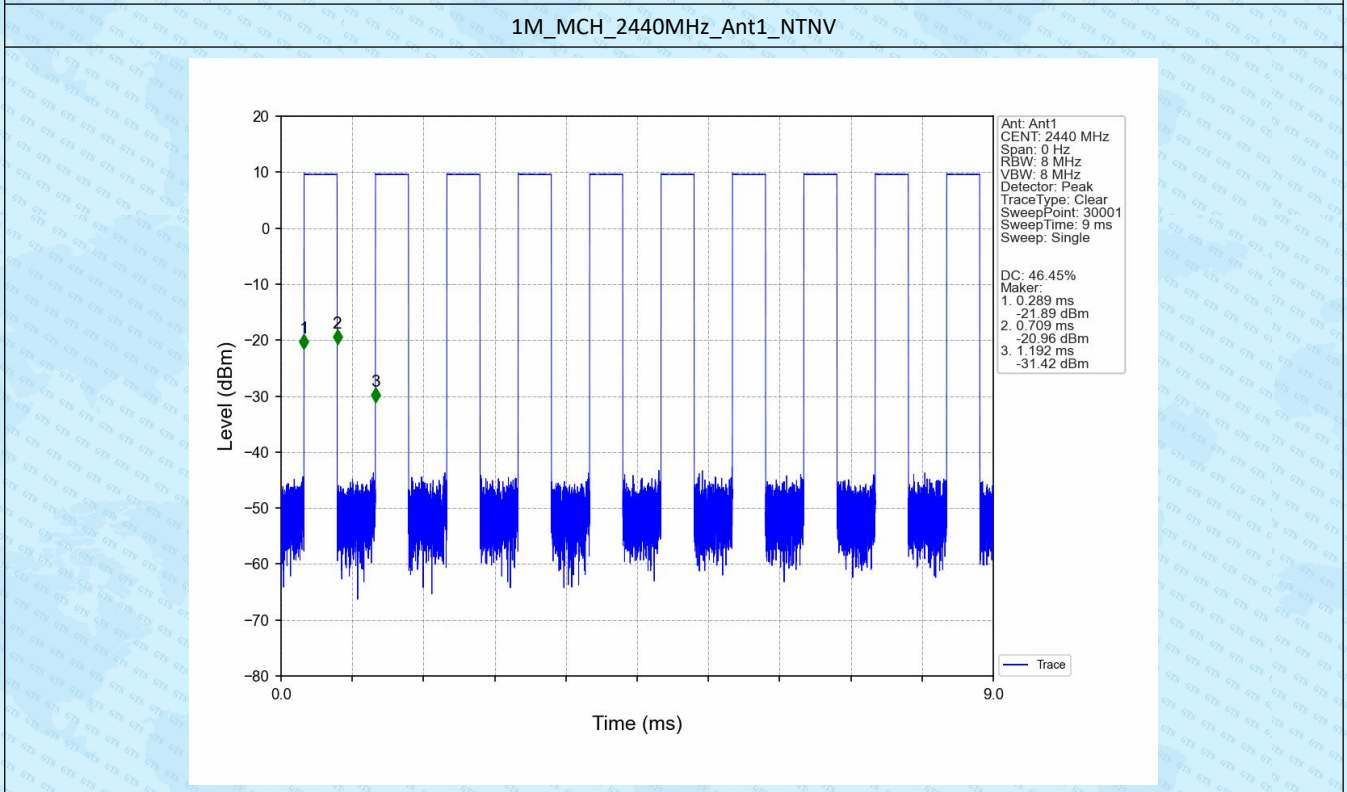
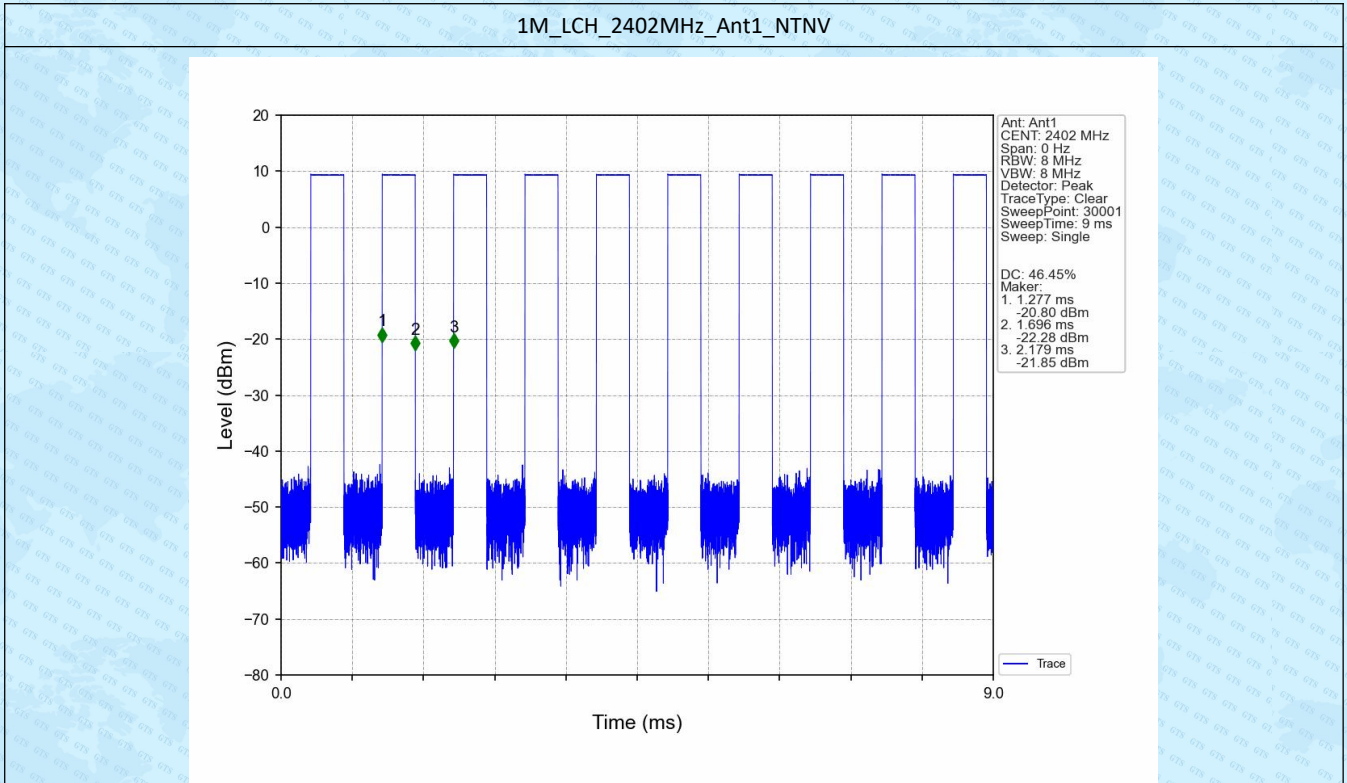
### 1.1 Test Result

#### 1.1.1 Ant1

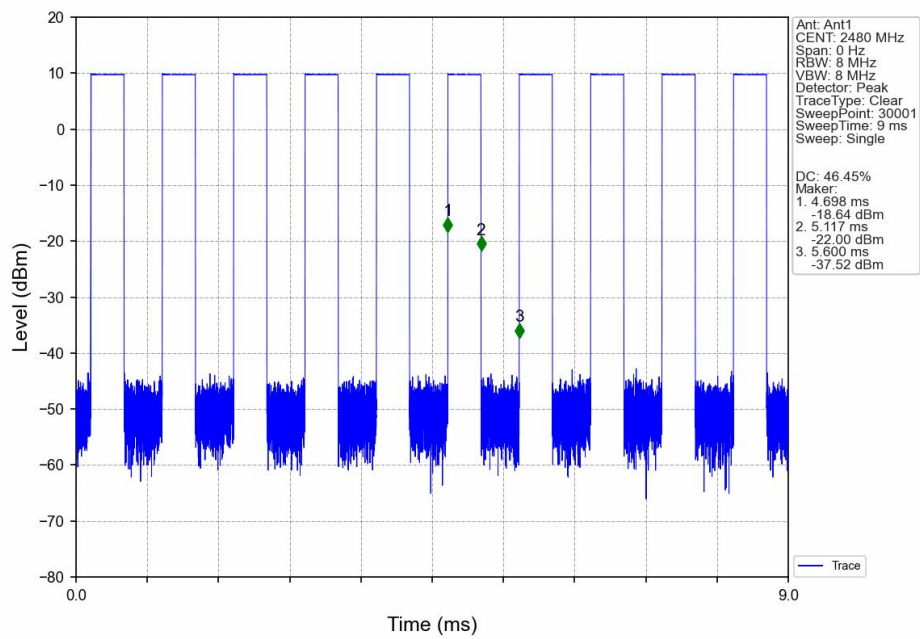
| Ant1 |         |                 |           |             |                |                                   |                       |
|------|---------|-----------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode | TX Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 1M   | SISO    | 2402            | 0.419     | 0.902       | 46.45          | 3.33                              | 0.03                  |
|      |         | 2440            | 0.419     | 0.902       | 46.45          | 3.33                              | 0.02                  |
|      |         | 2480            | 0.419     | 0.902       | 46.45          | 3.33                              | 0.03                  |
| 2M   | SISO    | 2402            | 0.210     | 0.902       | 23.28          | 6.33                              | 0.04                  |
|      |         | 2440            | 0.211     | 0.902       | 23.39          | 6.31                              | 0.03                  |
|      |         | 2480            | 0.210     | 0.902       | 23.28          | 6.33                              | 0.04                  |

## 1.2 Test Graph

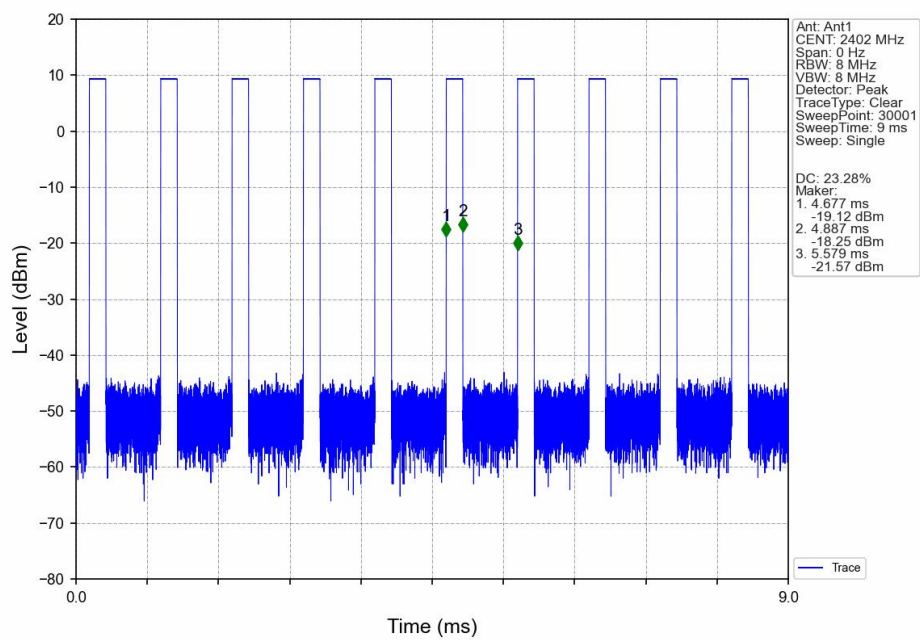
### 1.2.1 Ant1



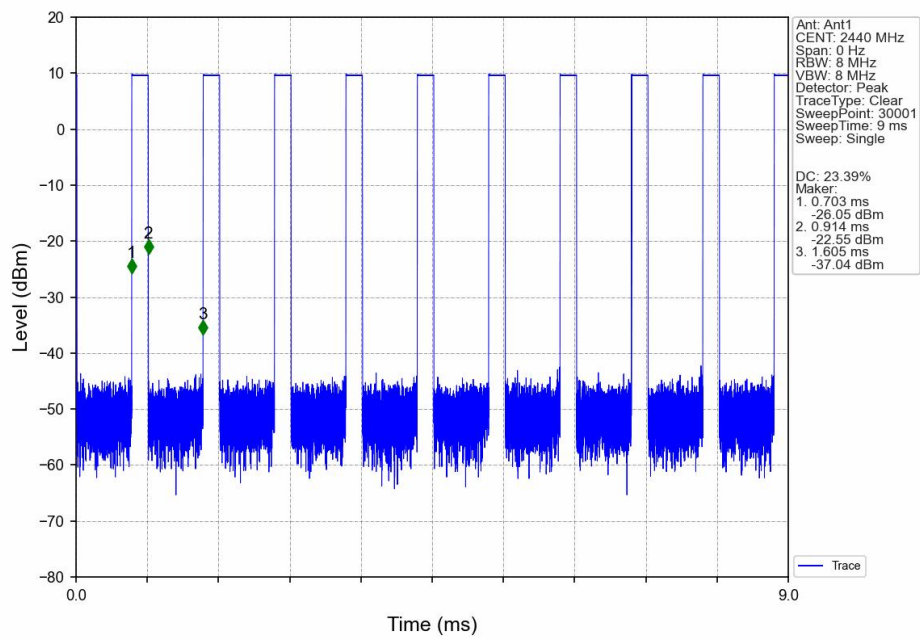
## 1M\_HCH\_2480MHz\_Ant1\_NTNV



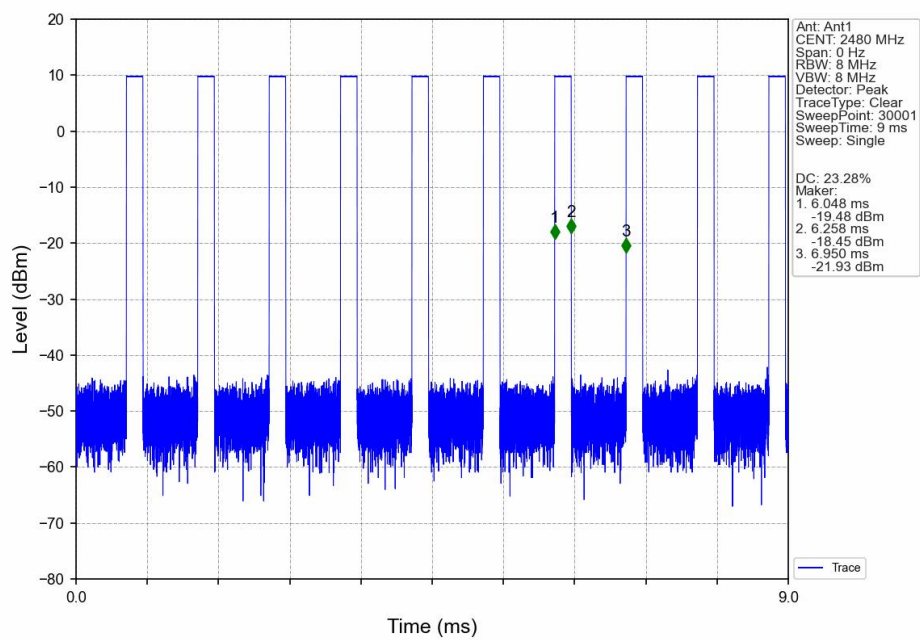
## 2M\_LCH\_2402MHz\_Ant1\_NTNV



## 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   | 1.039                        | /     | Pass    |
|      |         | 2440            | 1   | 1.036                        | /     | Pass    |
|      |         | 2480            | 1   | 1.037                        | /     | Pass    |
| 2M   | SISO    | 2402            | 1   | 2.074                        | /     | Pass    |
|      |         | 2440            | 1   | 2.074                        | /     | Pass    |
|      |         | 2480            | 1   | 2.075                        | /     | Pass    |

#### 2.1.2 6dB BW

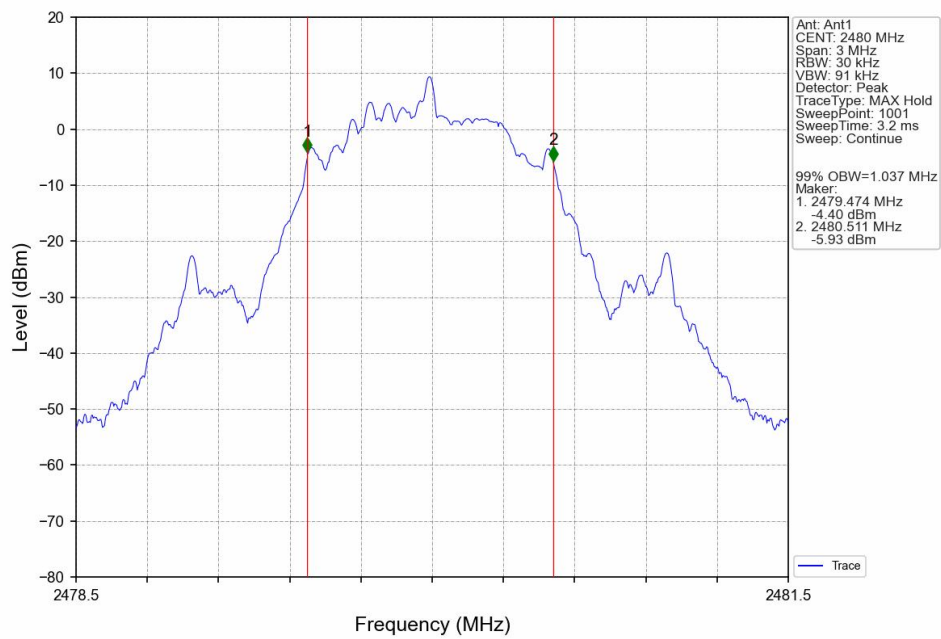
| Mode | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) |            | Verdict |
|------|---------|-----------------|-----|---------------------|------------|---------|
|      |         |                 |     | Result              | Limit      |         |
| 1M   | SISO    | 2402            | 1   | 0.669               | $\geq 0.5$ | Pass    |
|      |         | 2440            | 1   | 0.667               | $\geq 0.5$ | Pass    |
|      |         | 2480            | 1   | 0.669               | $\geq 0.5$ | Pass    |
| 2M   | SISO    | 2402            | 1   | 1.145               | $\geq 0.5$ | Pass    |
|      |         | 2440            | 1   | 1.138               | $\geq 0.5$ | Pass    |
|      |         | 2480            | 1   | 1.146               | $\geq 0.5$ | Pass    |

## 2.2 Test Graph

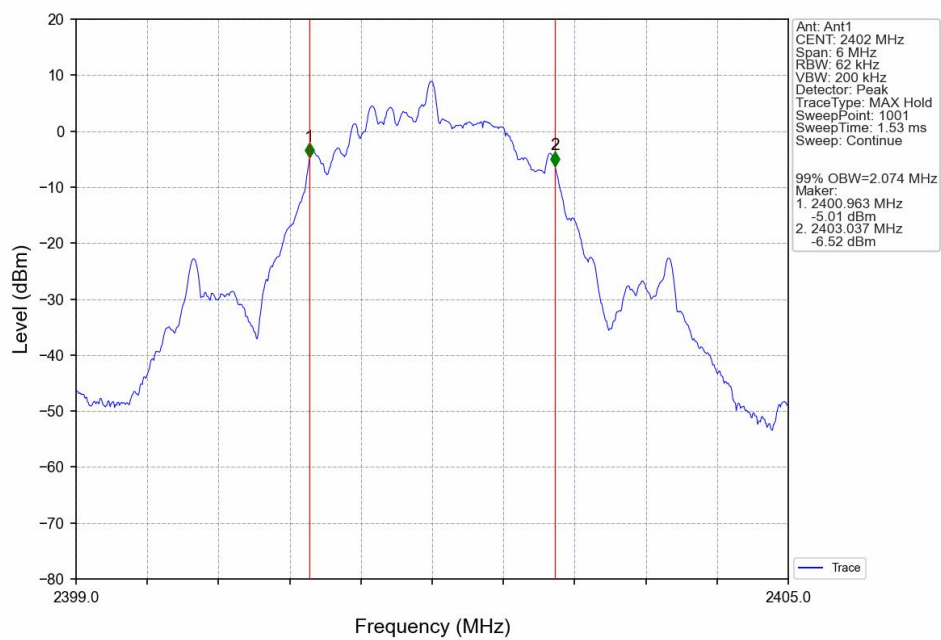
### 2.2.1 OBW



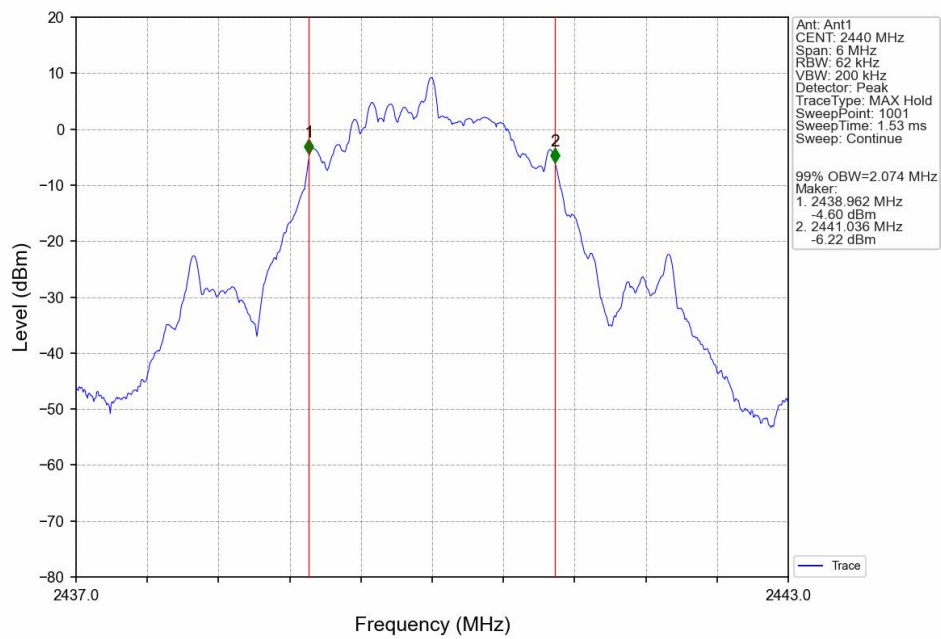
## 1M\_HCH\_2480MHz\_Ant1\_NTNV



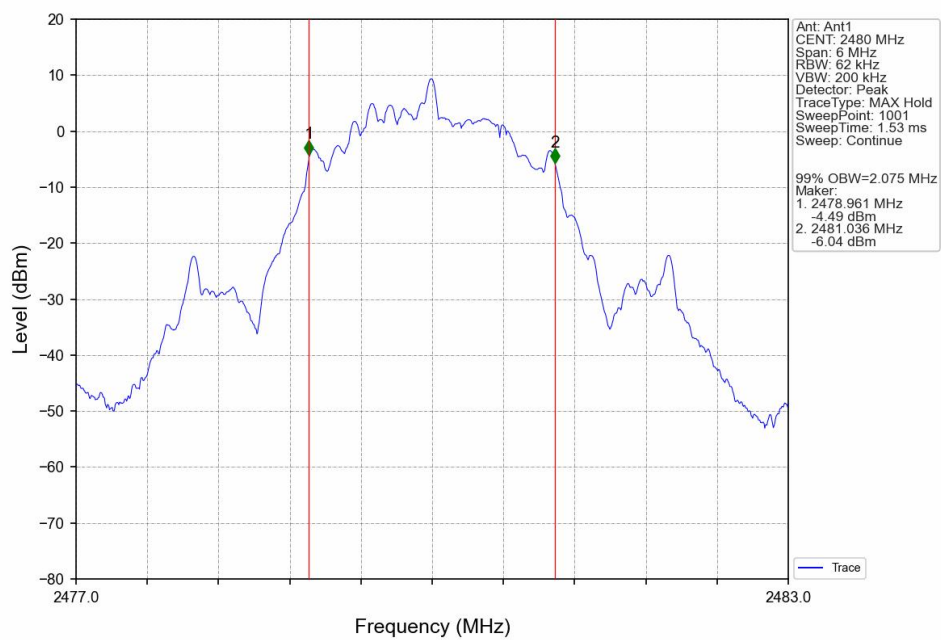
## 2M\_LCH\_2402MHz\_Ant1\_NTNV



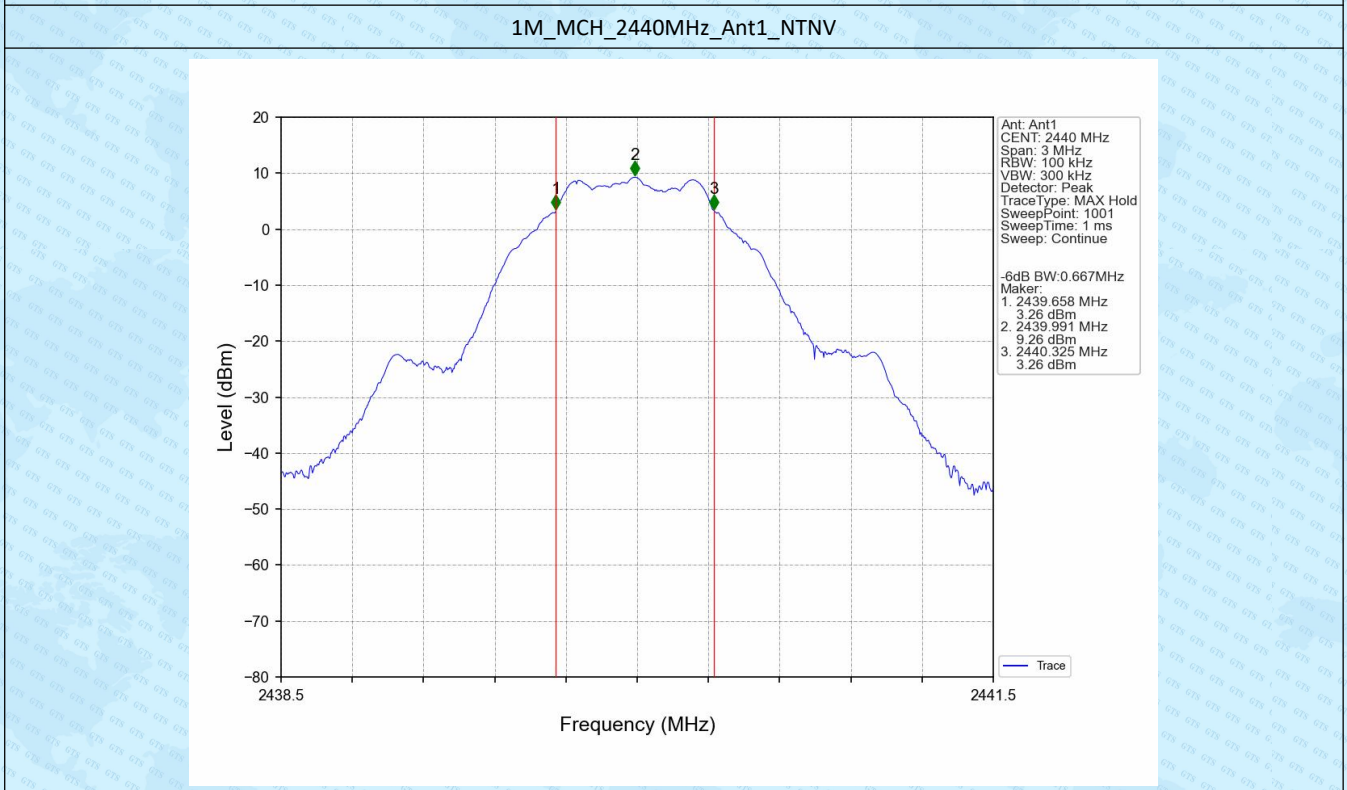
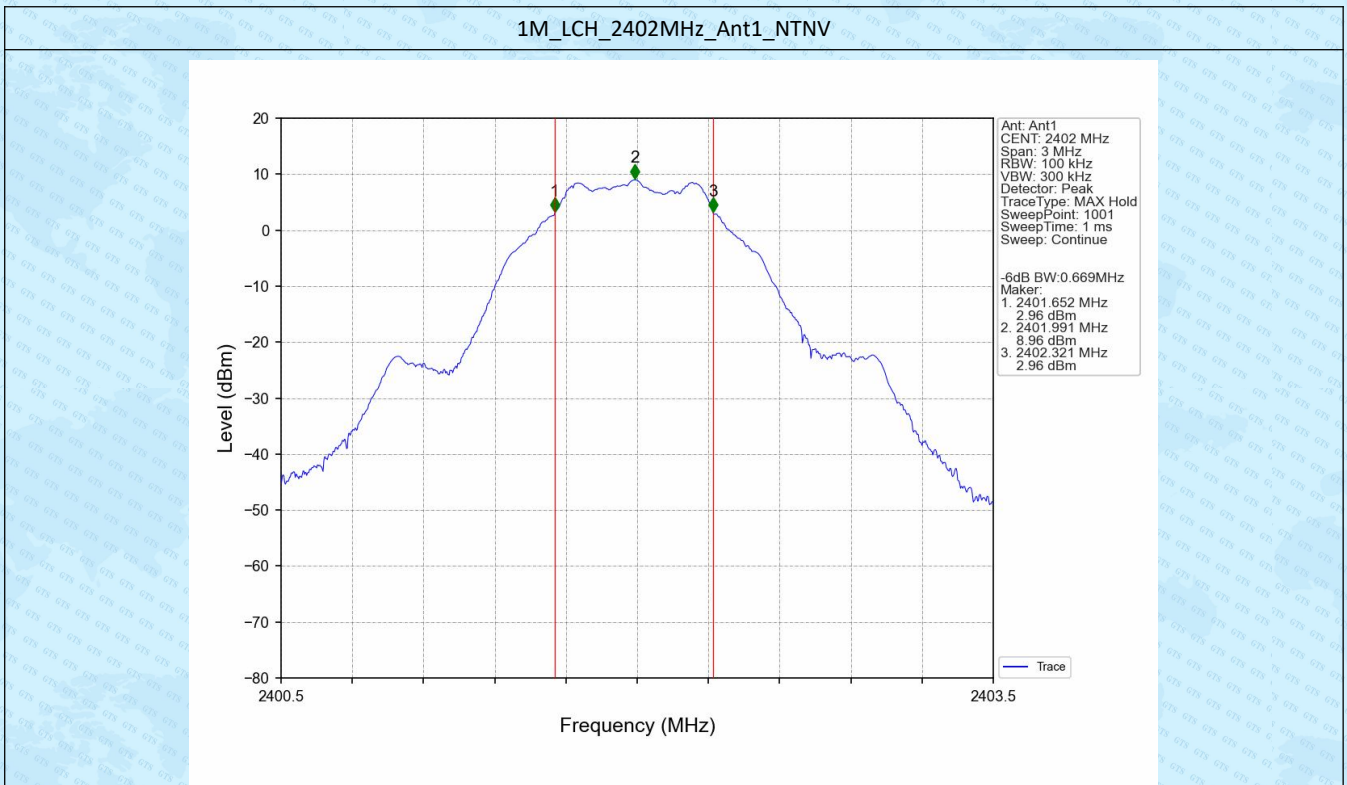
## 2M\_MCH\_2440MHz\_Ant1\_NTNV



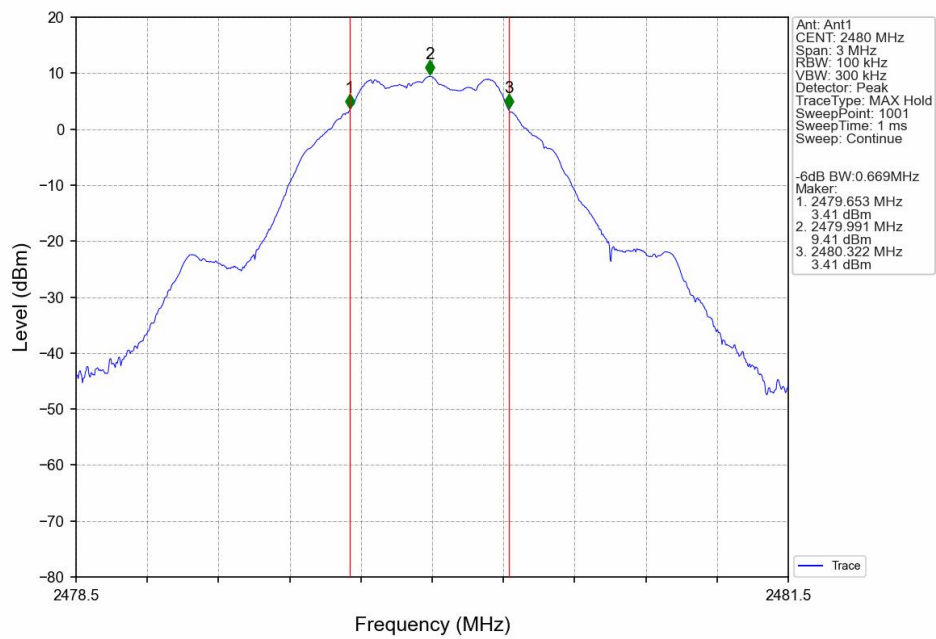
## 2M\_HCH\_2480MHz\_Ant1\_NTNV



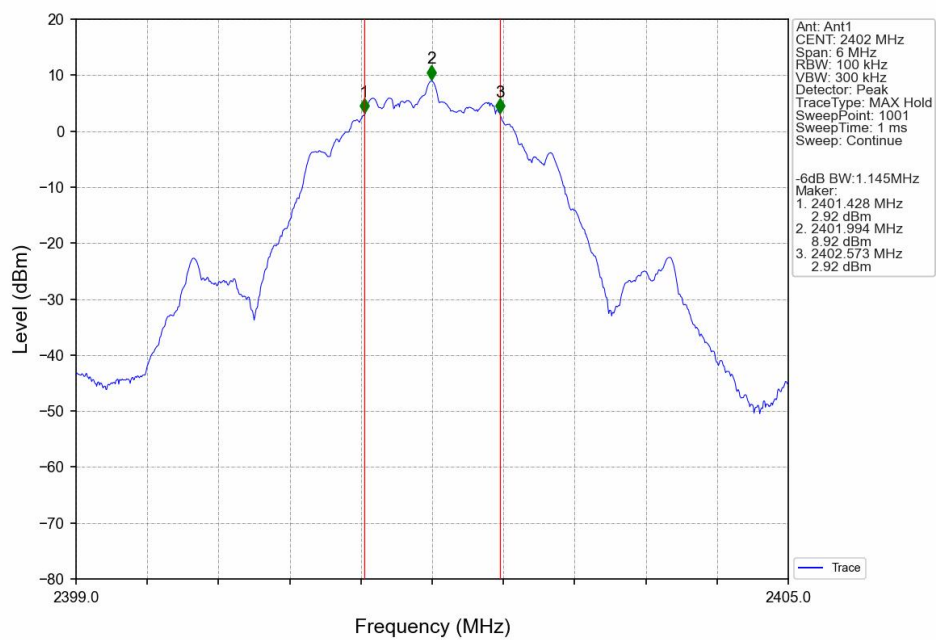
## 2.2.2 6dB BW



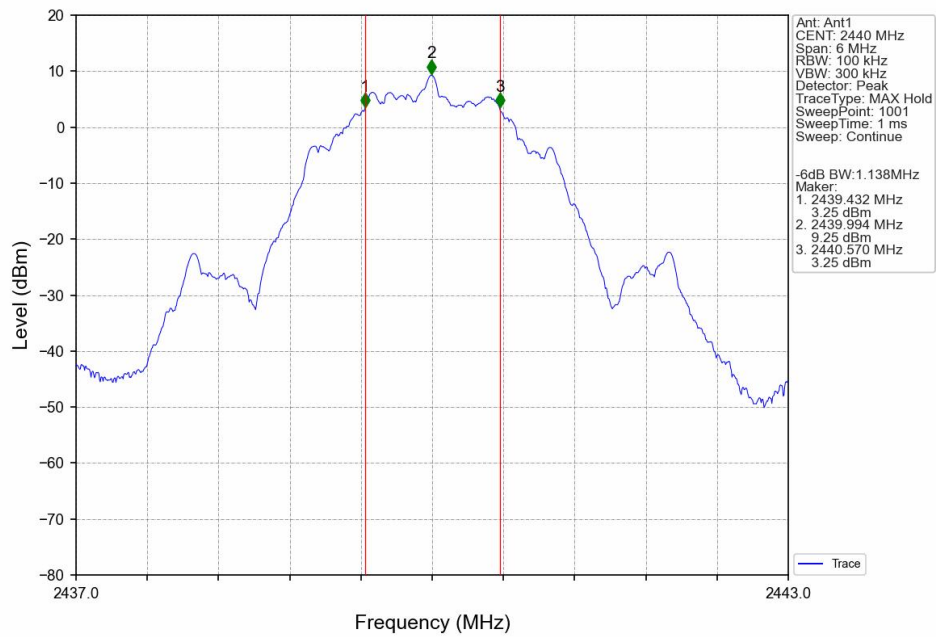
1M\_HCH\_2480MHz\_Ant1\_NTNV



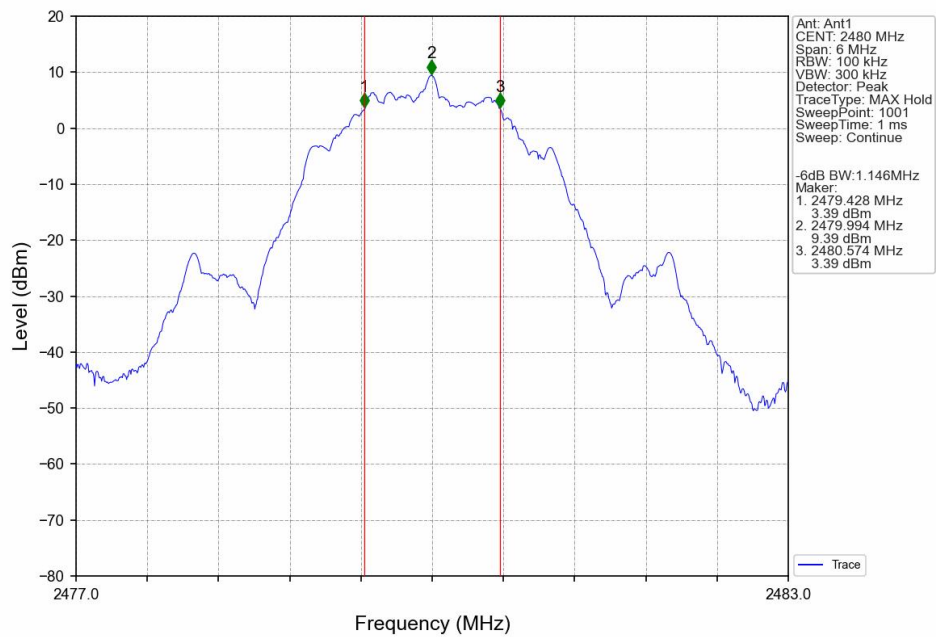
2M\_LCH\_2402MHz\_Ant1\_NTNV



## 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            | 9.39                                      | $\leq 30$ | Pass    |
|      |         | 2440            | 9.68                                      | $\leq 30$ | Pass    |
|      |         | 2480            | 9.84                                      | $\leq 30$ | Pass    |
| 2M   | SISO    | 2402            | 9.37                                      | $\leq 30$ | Pass    |
|      |         | 2440            | 9.70                                      | $\leq 30$ | Pass    |
|      |         | 2480            | 9.83                                      | $\leq 30$ | Pass    |

Note1: Antenna Gain: Ant1: 4.01dBi;

### 4. Maximum Power Spectral Density

#### 4.1 Test Result

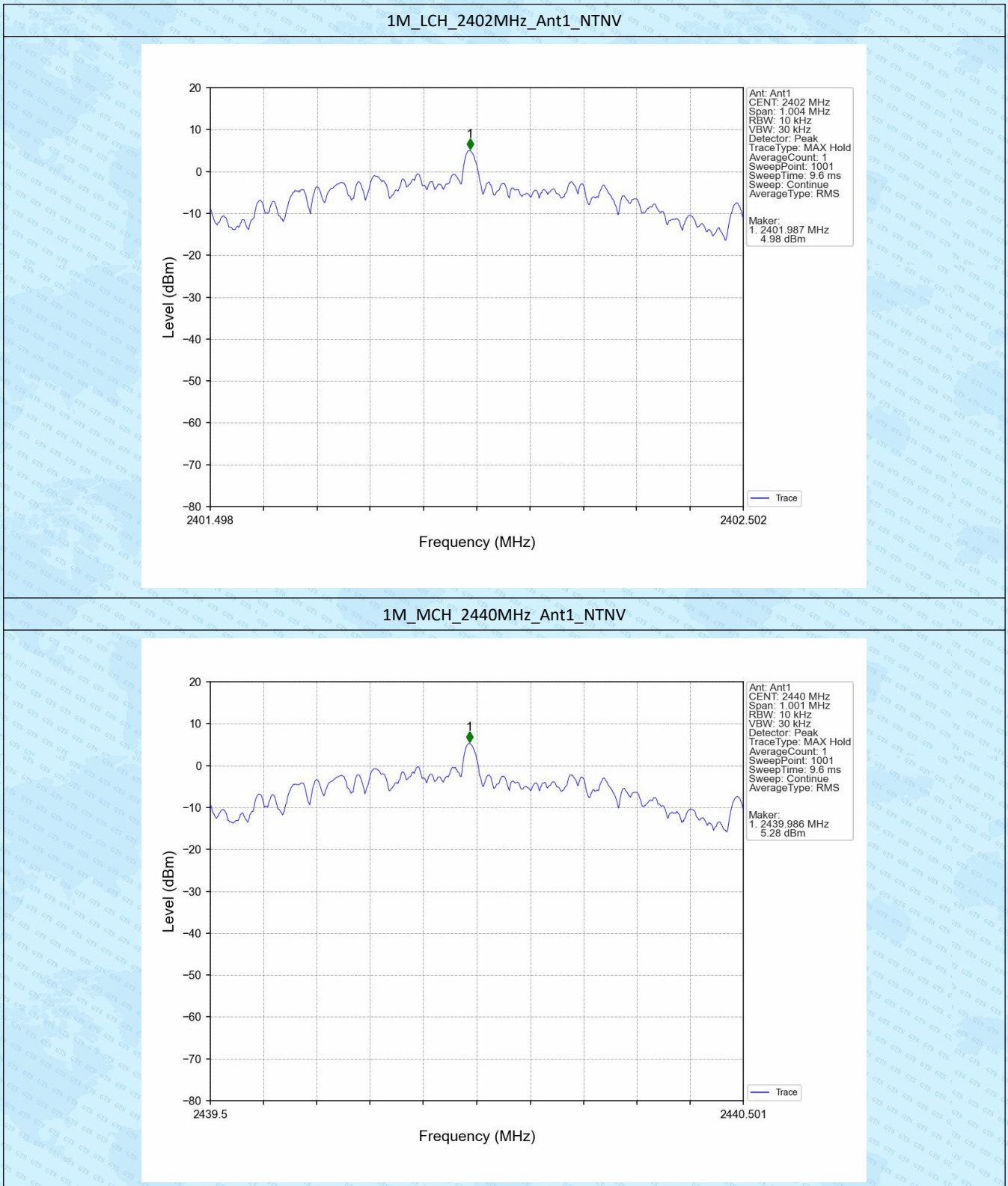
##### 4.1.1 PSD

| Mode | TX Type | Frequency (MHz) | Maximum PSD (dBm) |          | Verdict |
|------|---------|-----------------|-------------------|----------|---------|
|      |         |                 | ANT1              | Limit    |         |
| 1M   | SISO    | 2402            | 4.98              | $\leq 8$ | Pass    |
|      |         | 2440            | 5.28              | $\leq 8$ | Pass    |
|      |         | 2480            | 5.44              | $\leq 8$ | Pass    |
| 2M   | SISO    | 2402            | 7.34              | $\leq 8$ | Pass    |
|      |         | 2440            | 7.67              | $\leq 8$ | Pass    |
|      |         | 2480            | 7.80              | $\leq 8$ | Pass    |

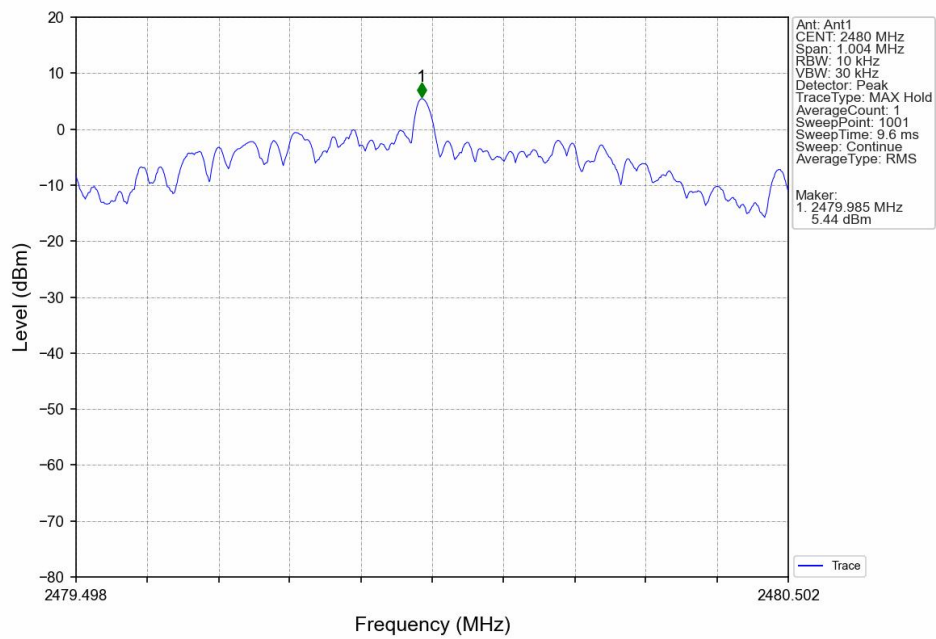
Note1: Antenna Gain: Ant1: 4.01dBi;

## 4.2 Test Graph

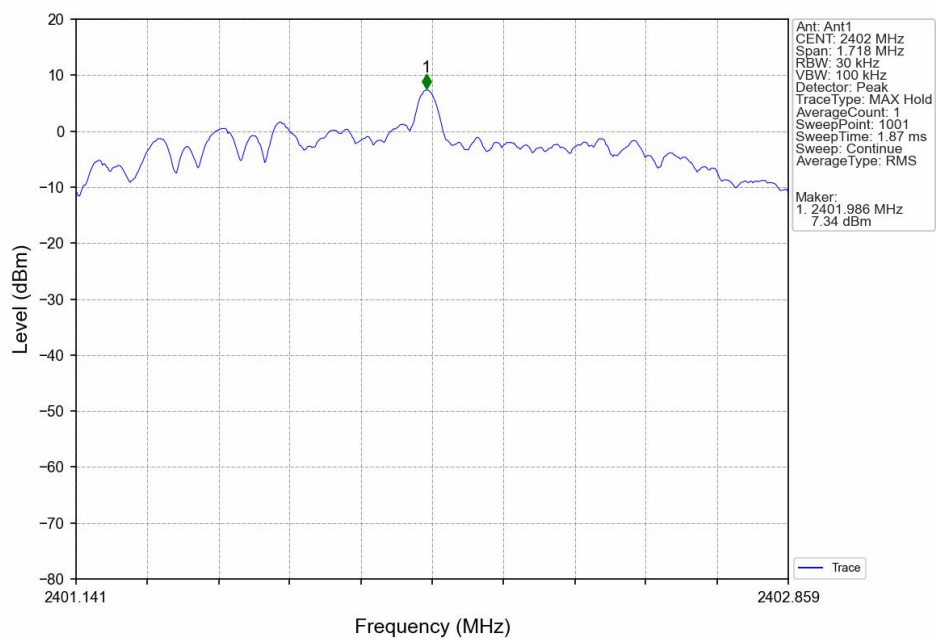
### 4.2.1 PSD



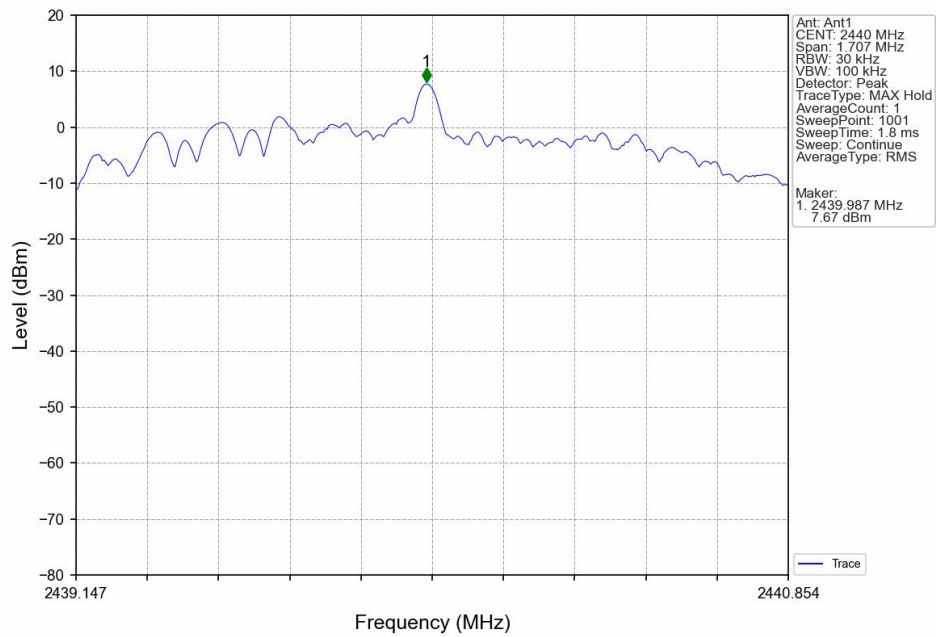
1M\_HCH\_2480MHz\_Ant1\_NTNV



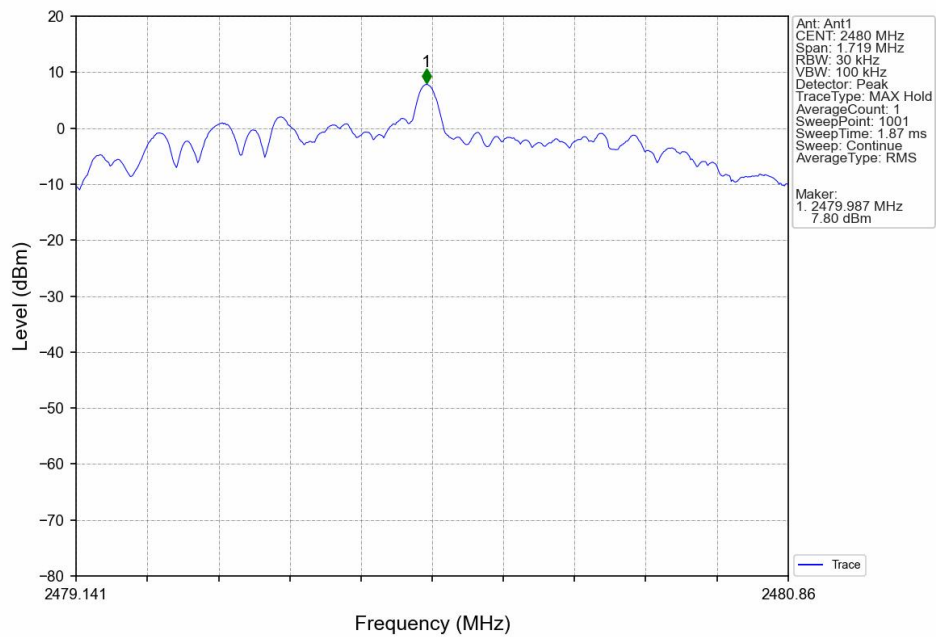
2M\_LCH\_2402MHz\_Ant1\_NTNV



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   | 8.97                     |
|      |         | 2440            | 1   | 9.25                     |
|      |         | 2480            | 1   | 9.40                     |
| 2M   | SISO    | 2402            | 1   | 8.92                     |
|      |         | 2440            | 1   | 9.24                     |
|      |         | 2480            | 1   | 9.36                     |

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.

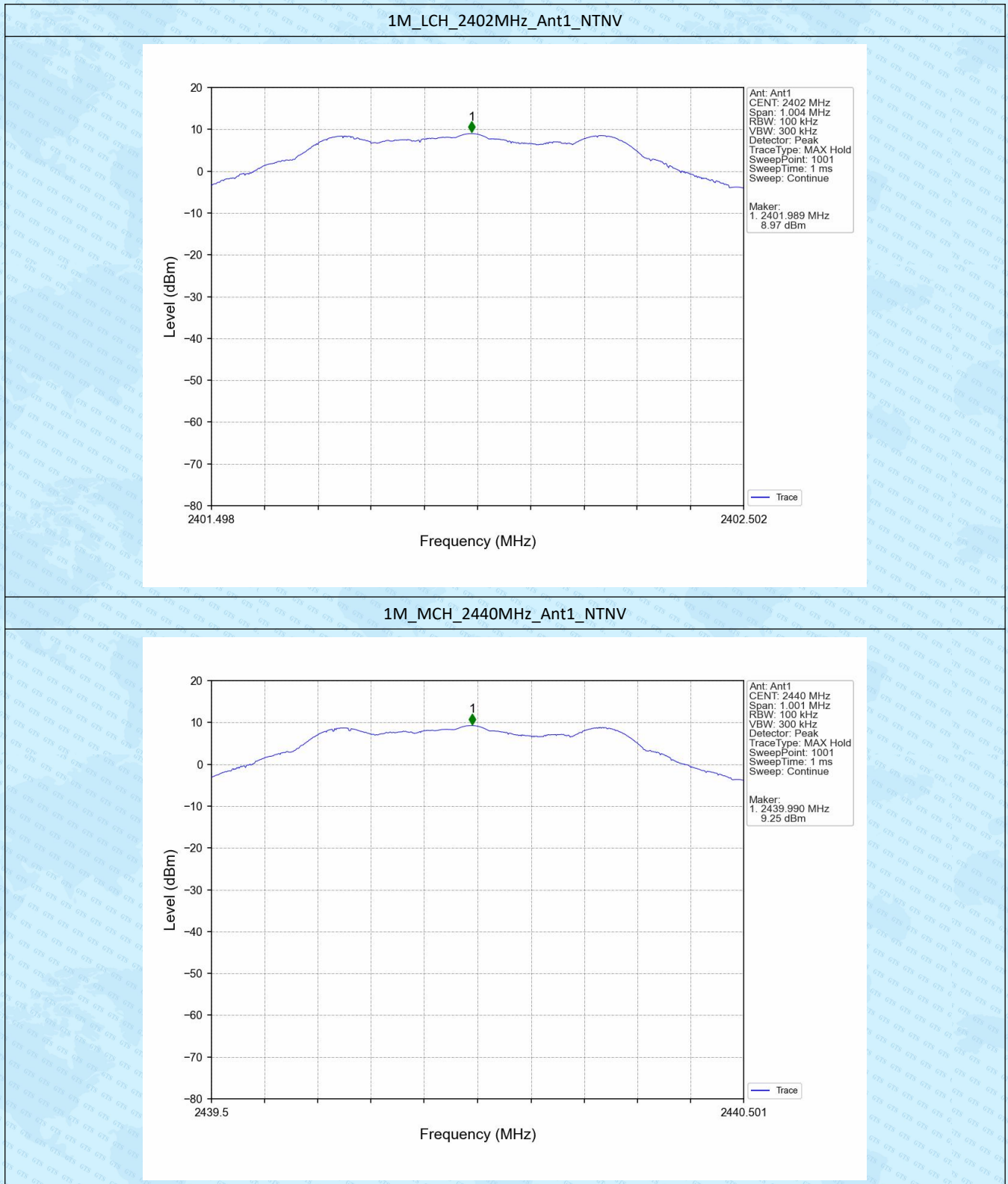
#### 5.1.2 CSE

| Mode | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|------|---------|-----------------|-----|--------------------------|-------------|---------|
| 1M   | SISO    | 2402            | 1   | 8.97                     | -11.03      | Pass    |
|      |         | 2440            | 1   | 9.25                     | -10.75      | Pass    |
|      |         | 2480            | 1   | 9.40                     | -10.60      | Pass    |
| 2M   | SISO    | 2402            | 1   | 8.92                     | -11.08      | Pass    |
|      |         | 2440            | 1   | 9.24                     | -10.76      | Pass    |
|      |         | 2480            | 1   | 9.36                     | -10.64      | Pass    |

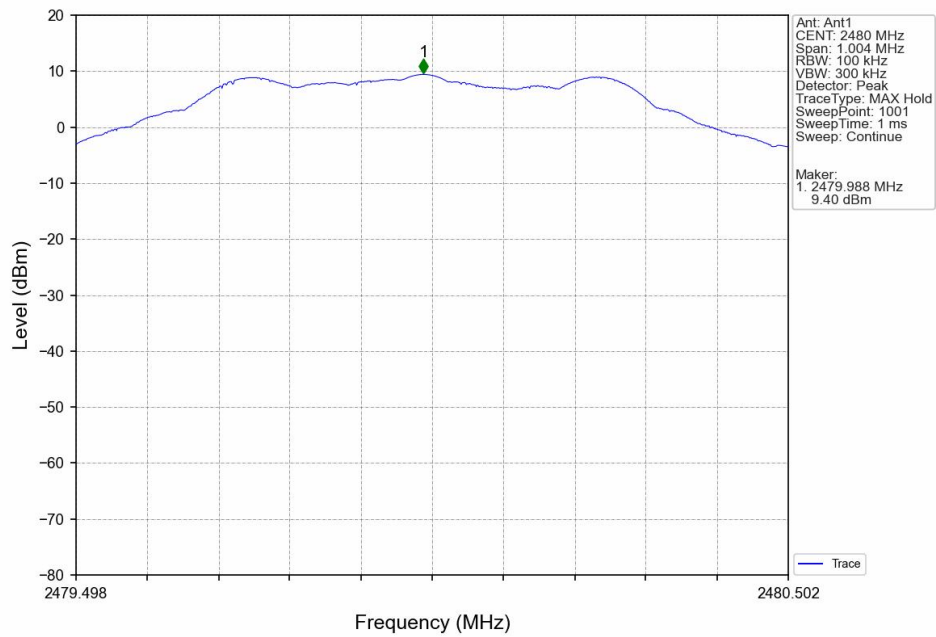
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

## 5.2 Test Graph

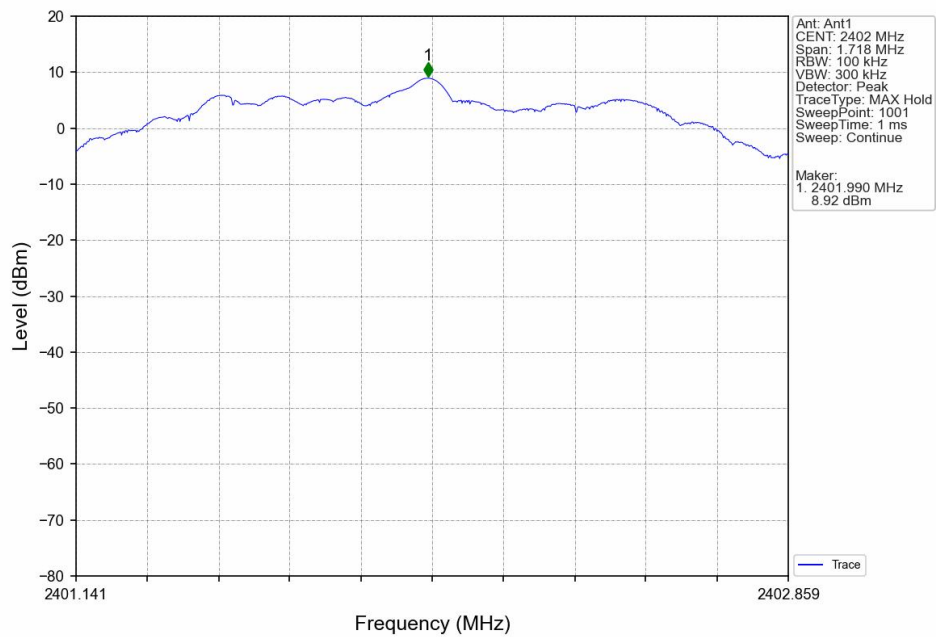
### 5.2.1 Ref



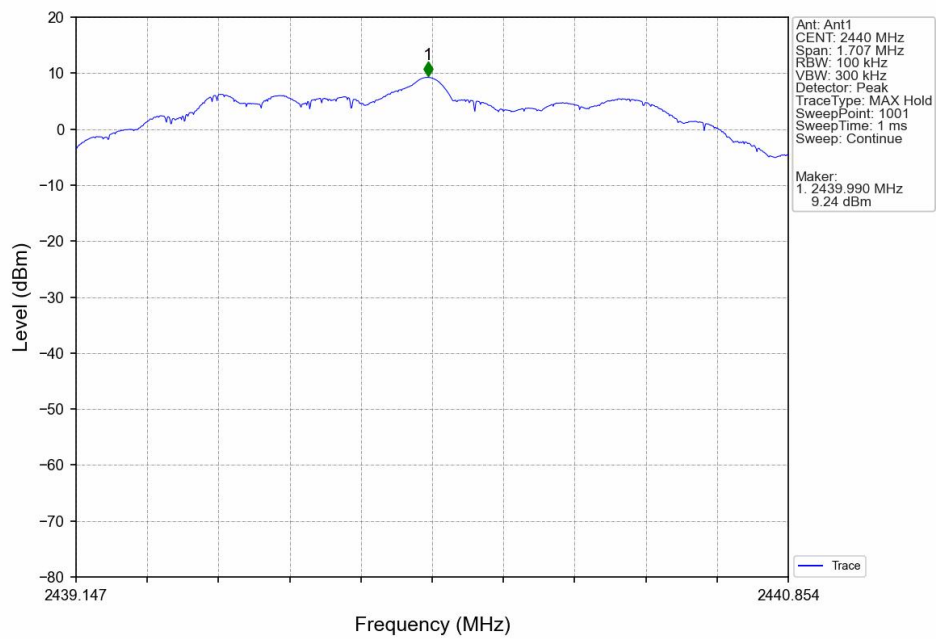
1M\_HCH\_2480MHz\_Ant1\_NTNV



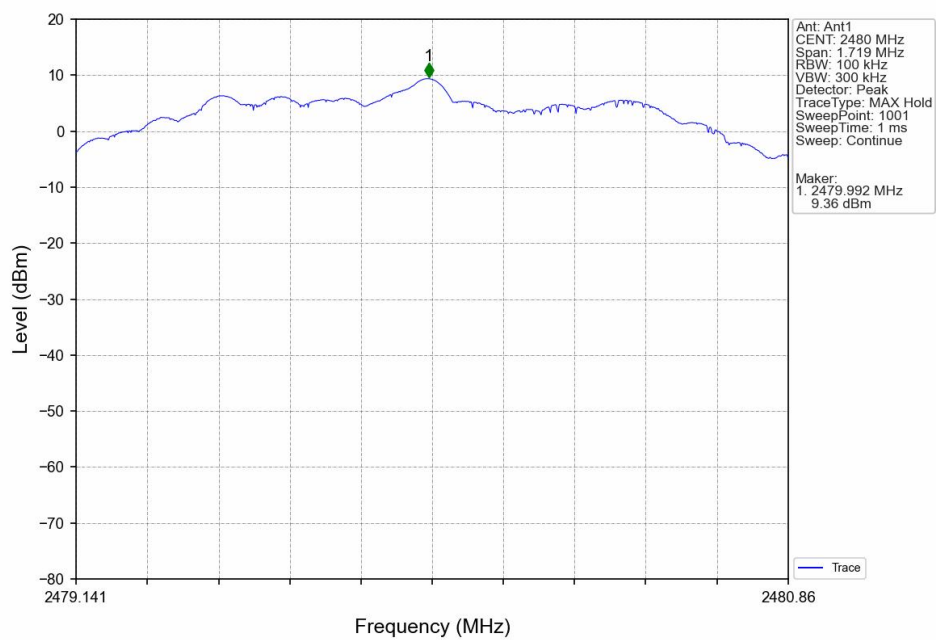
2M\_LCH\_2402MHz\_Ant1\_NTNV



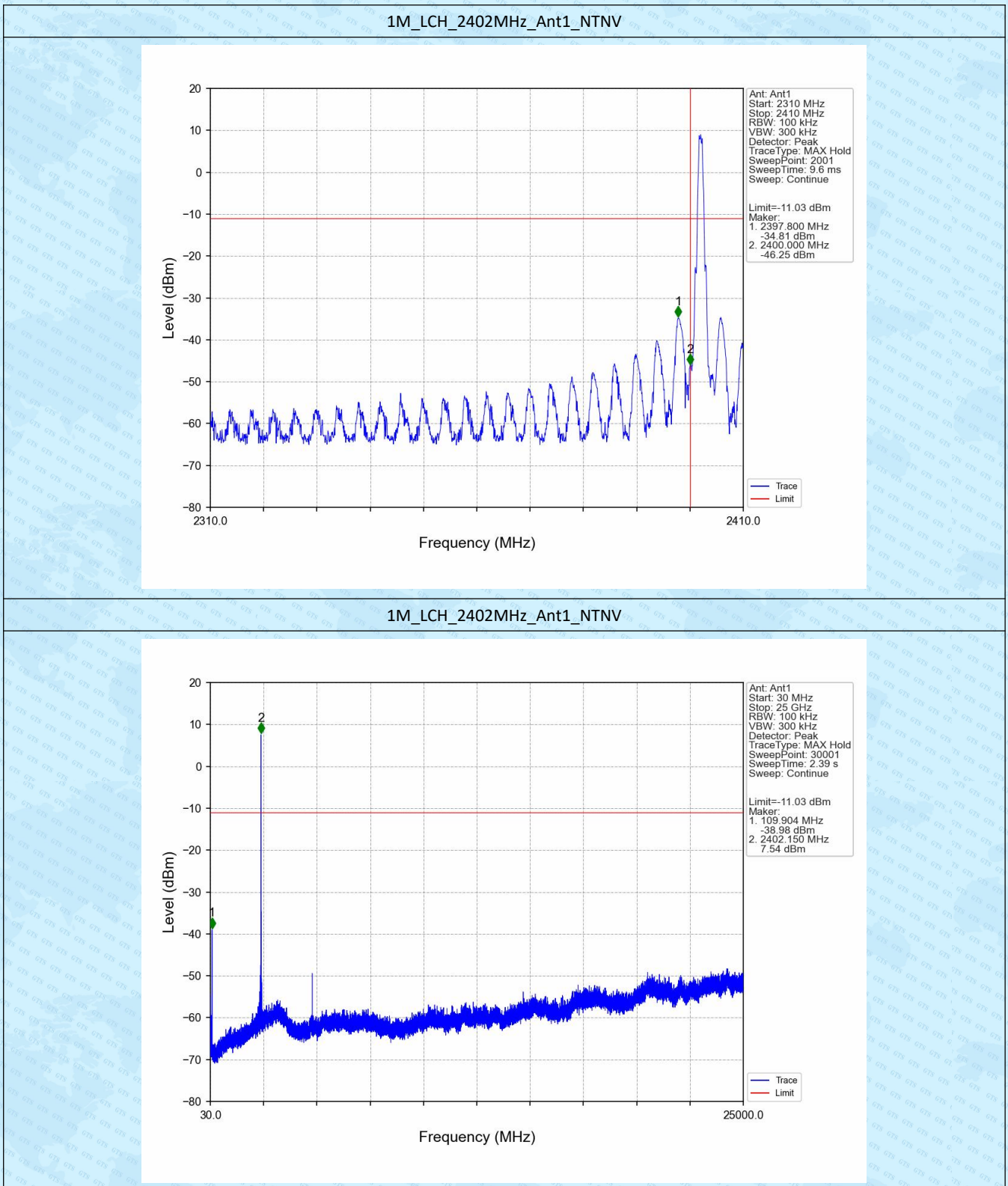
2M\_MCH\_2440MHz\_Ant1\_NTNV



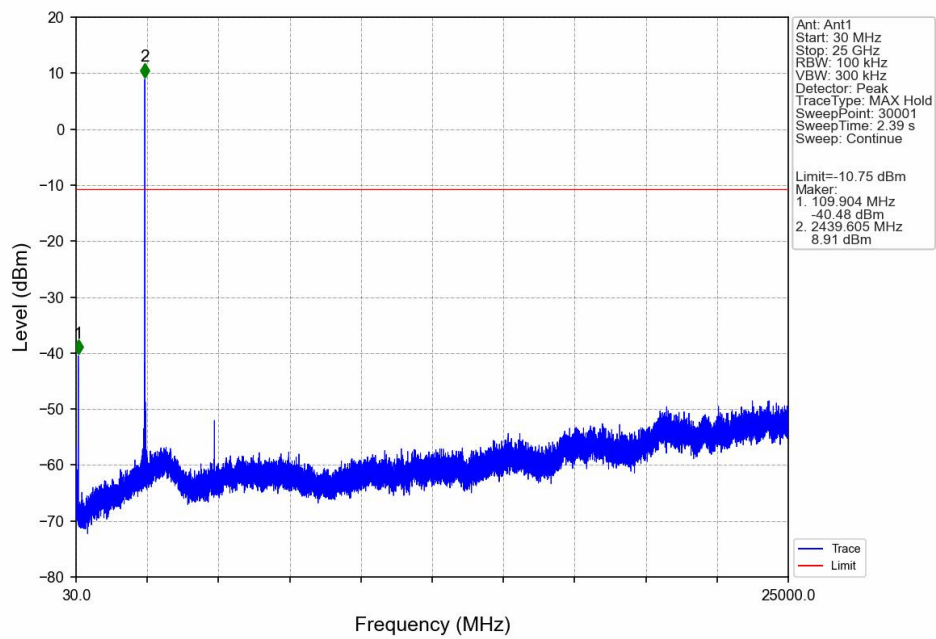
2M\_HCH\_2480MHz\_Ant1\_NTNV



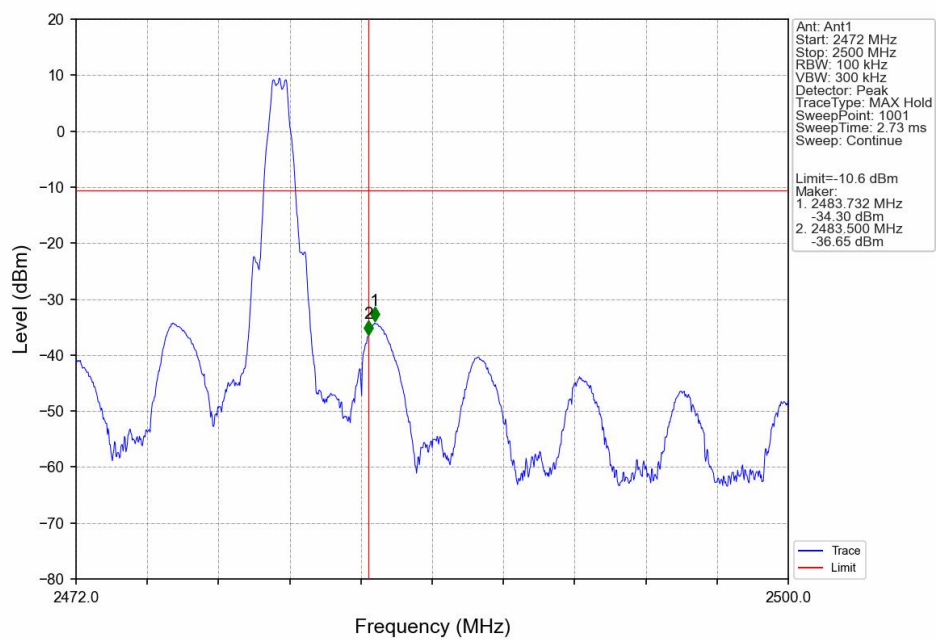
## 5.2.2 CSE



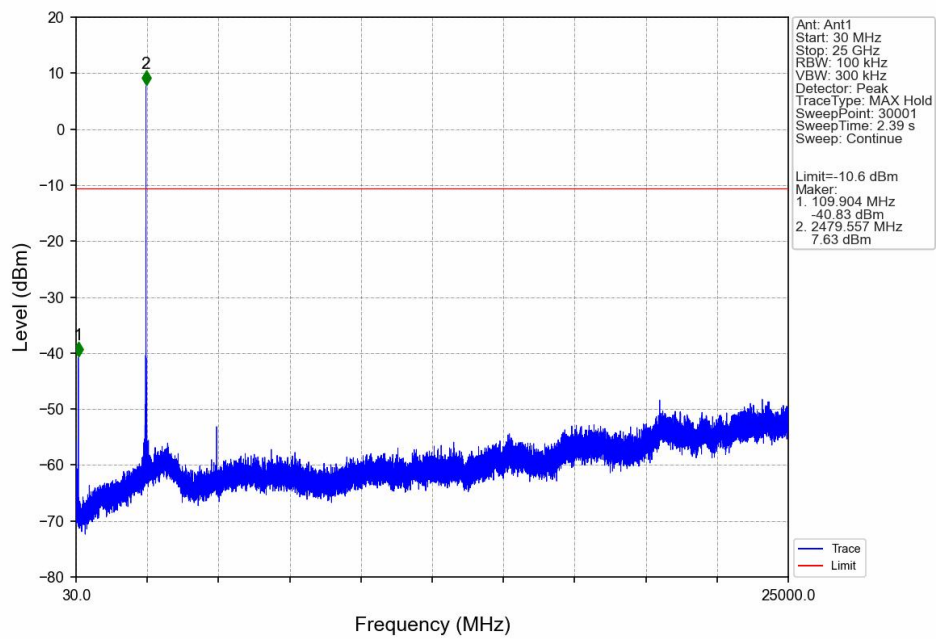
## 1M\_MCH\_2440MHz\_Ant1\_NTNV



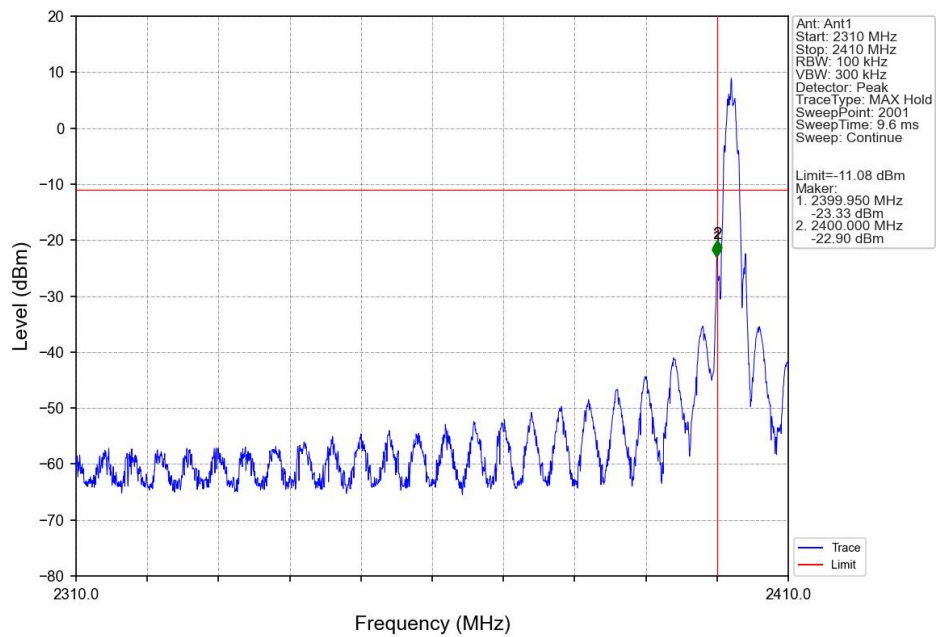
## 1M\_HCH\_2480MHz\_Ant1\_NTNV



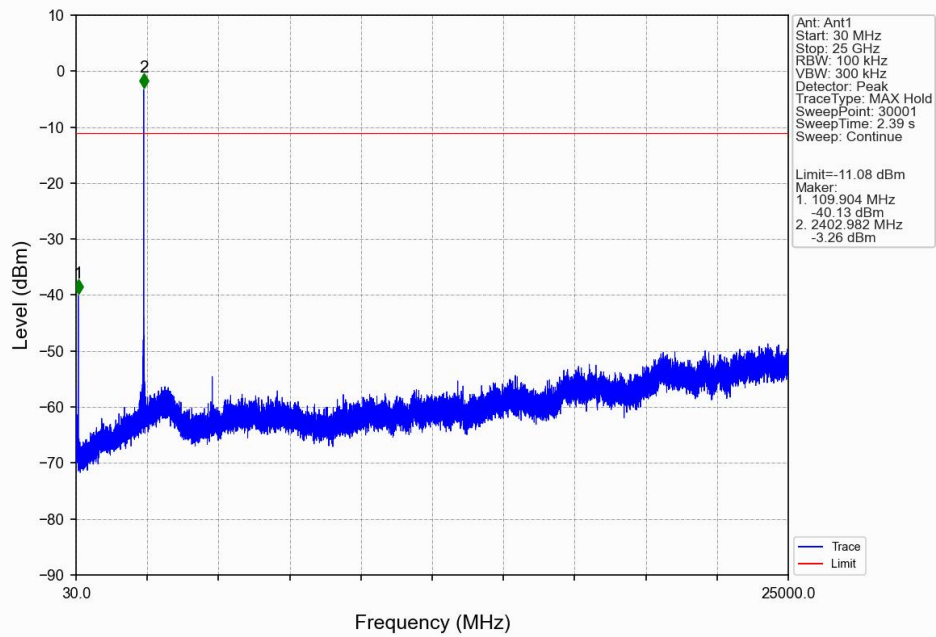
## 1M\_HCH\_2480MHz\_Ant1\_NTNV



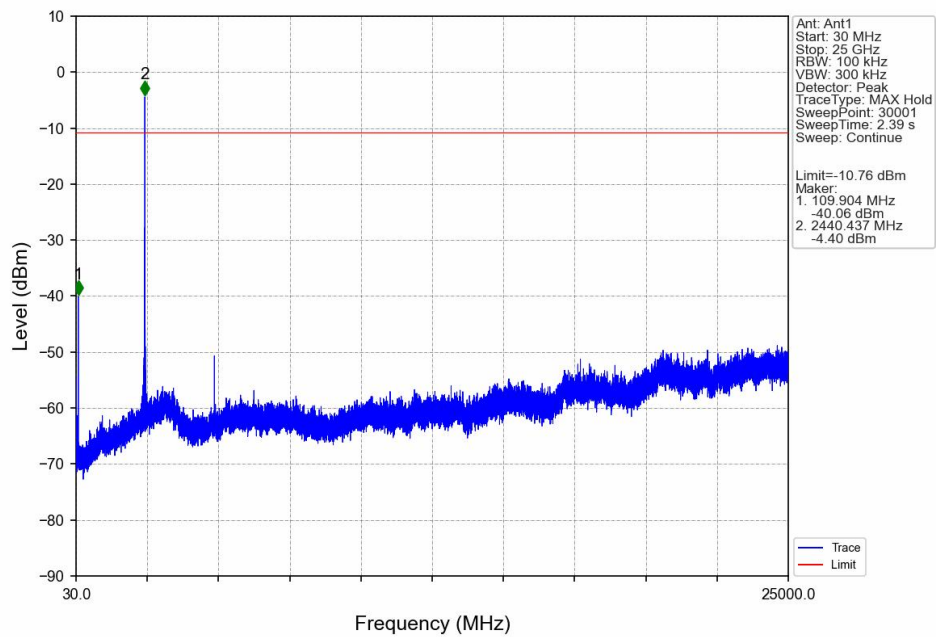
## 2M\_LCH\_2402MHz\_Ant1\_NTNV



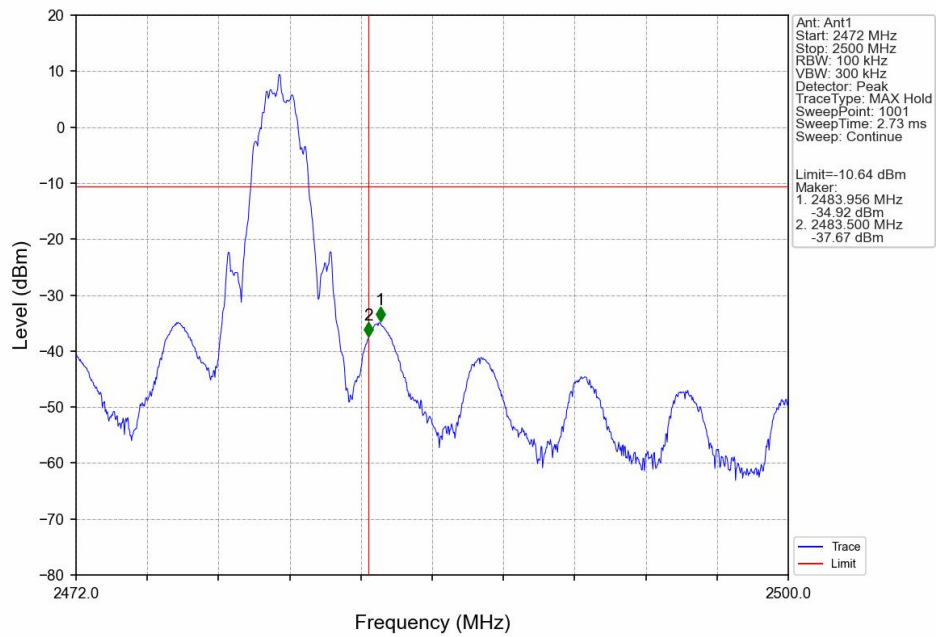
## 2M\_LCH\_2402MHz\_Ant1\_NTNV



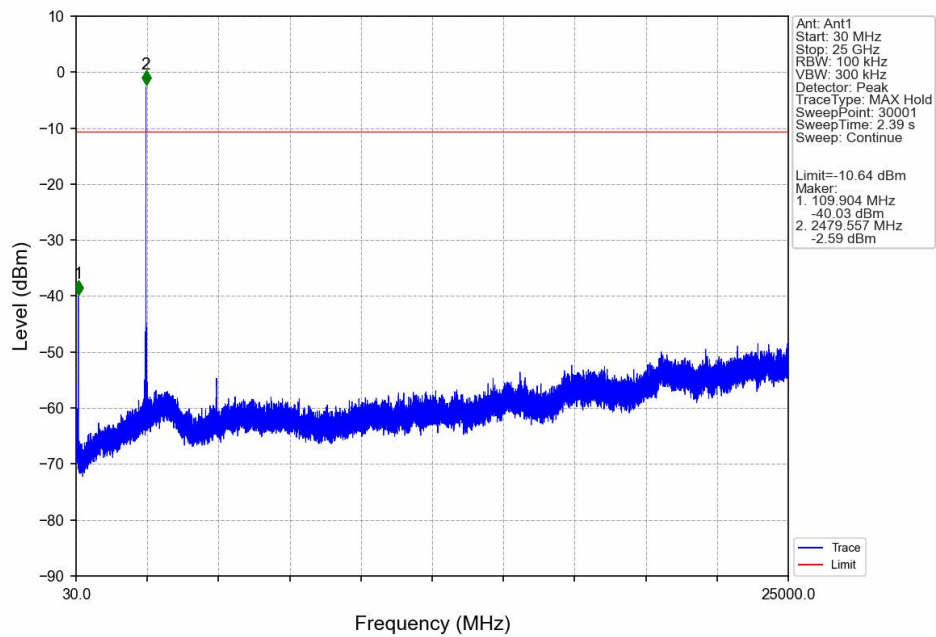
## 2M\_MCH\_2440MHz\_Ant1\_NTNV



## 2M\_HCH\_2480MHz\_Ant1\_NTNV



## 2M\_HCH\_2480MHz\_Ant1\_NTNV



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