

# Appendix

## 1. Duty Cycle

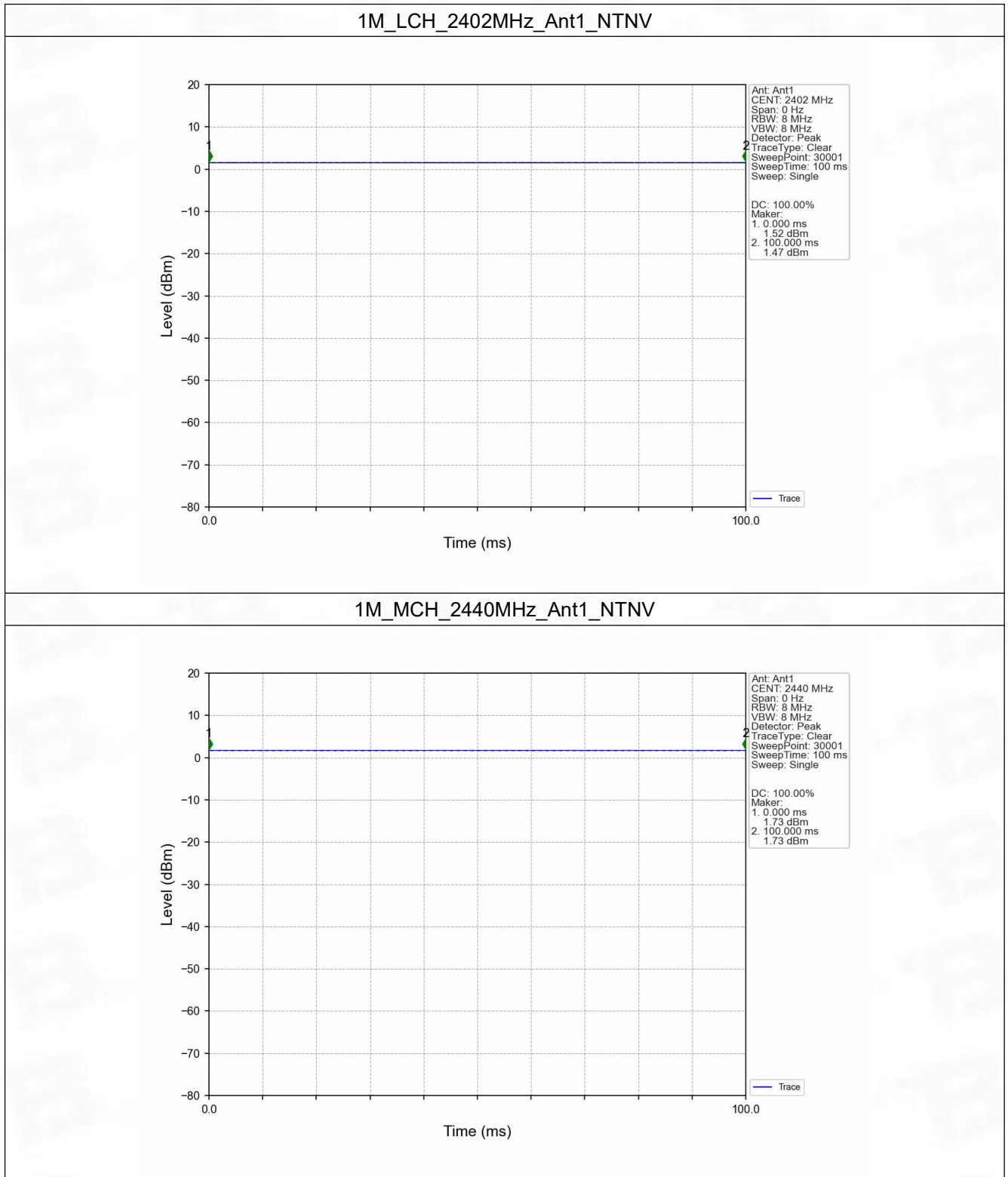
### 1.1 Test Result

#### 1.1.1 Ant1

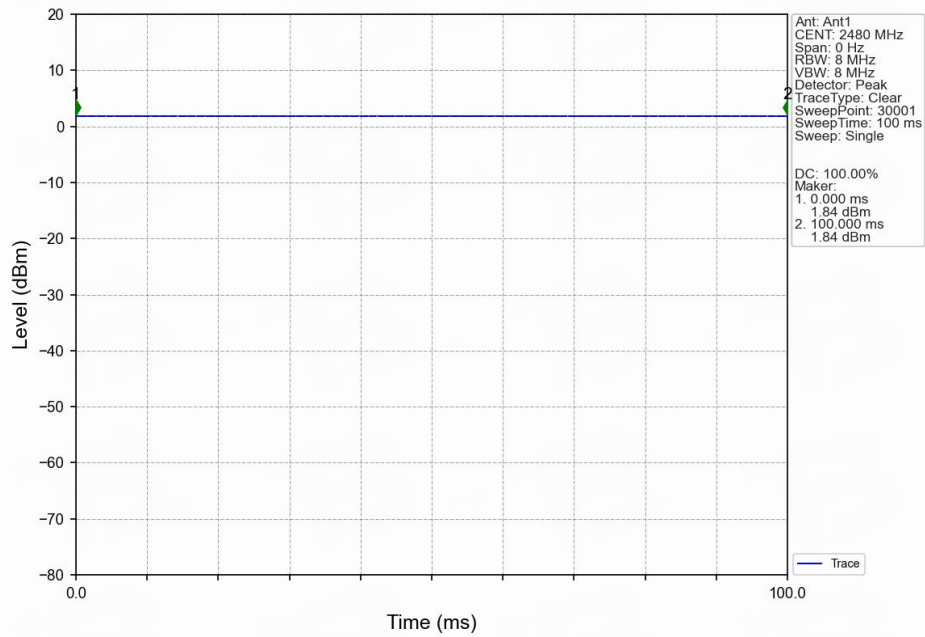
| Ant1 |         |                 |           |             |                |                                   |                       |
|------|---------|-----------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode | TX Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| 1M   | SISO    | 2402            | 100.000   | 100.000     | 100.00         | 0.00                              | 0.00                  |
|      |         | 2440            | 100.000   | 100.000     | 100.00         | 0.00                              | 0.00                  |
|      |         | 2480            | 100.000   | 100.000     | 100.00         | 0.00                              | 0.00                  |
| 2M   | SISO    | 2402            | 100.000   | 100.000     | 100.00         | 0.00                              | 0.00                  |
|      |         | 2440            | 100.000   | 100.000     | 100.00         | 0.00                              | 0.00                  |
|      |         | 2480            | 100.000   | 100.000     | 100.00         | 0.00                              | 0.00                  |

## 1.2 Test Graph

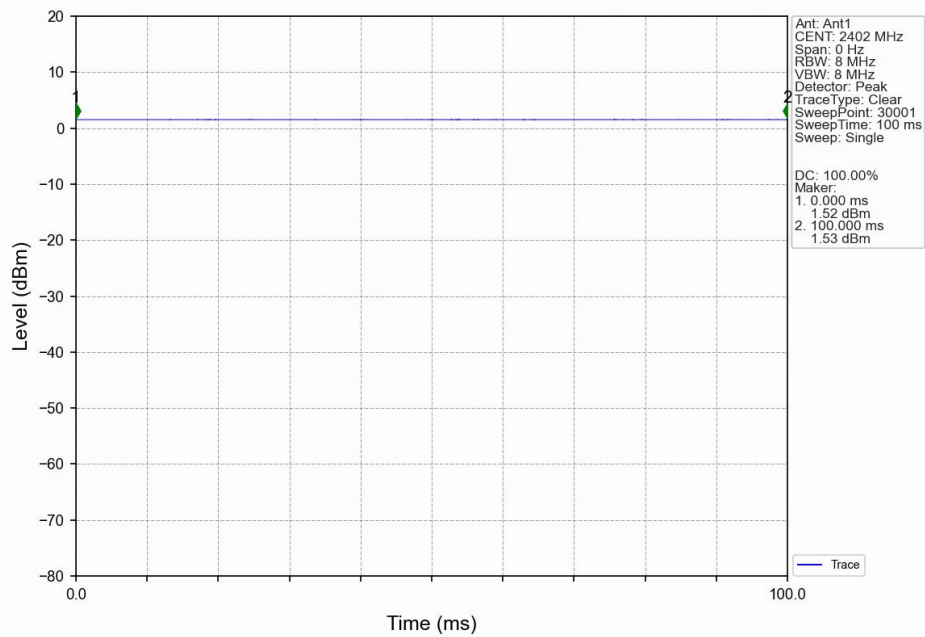
## 1.2.1 Ant1



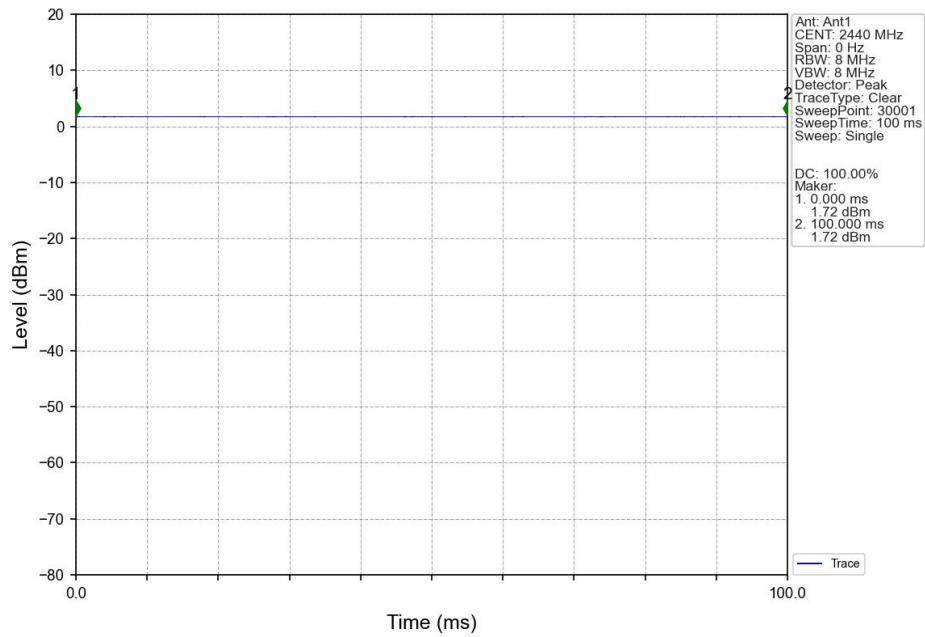
## 1M\_HCH\_2480MHz\_Ant1\_NTNV



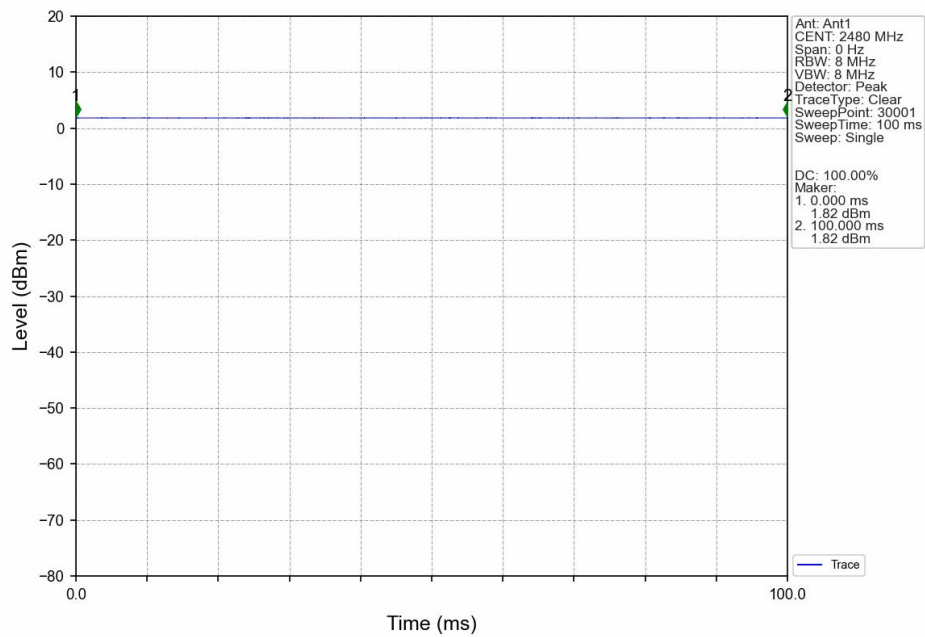
## 2M\_LCH\_2402MHz\_Ant1\_NTNV



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



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



## 2. Bandwidth

### 2.1 Test Result

#### 2.1.1 OBW

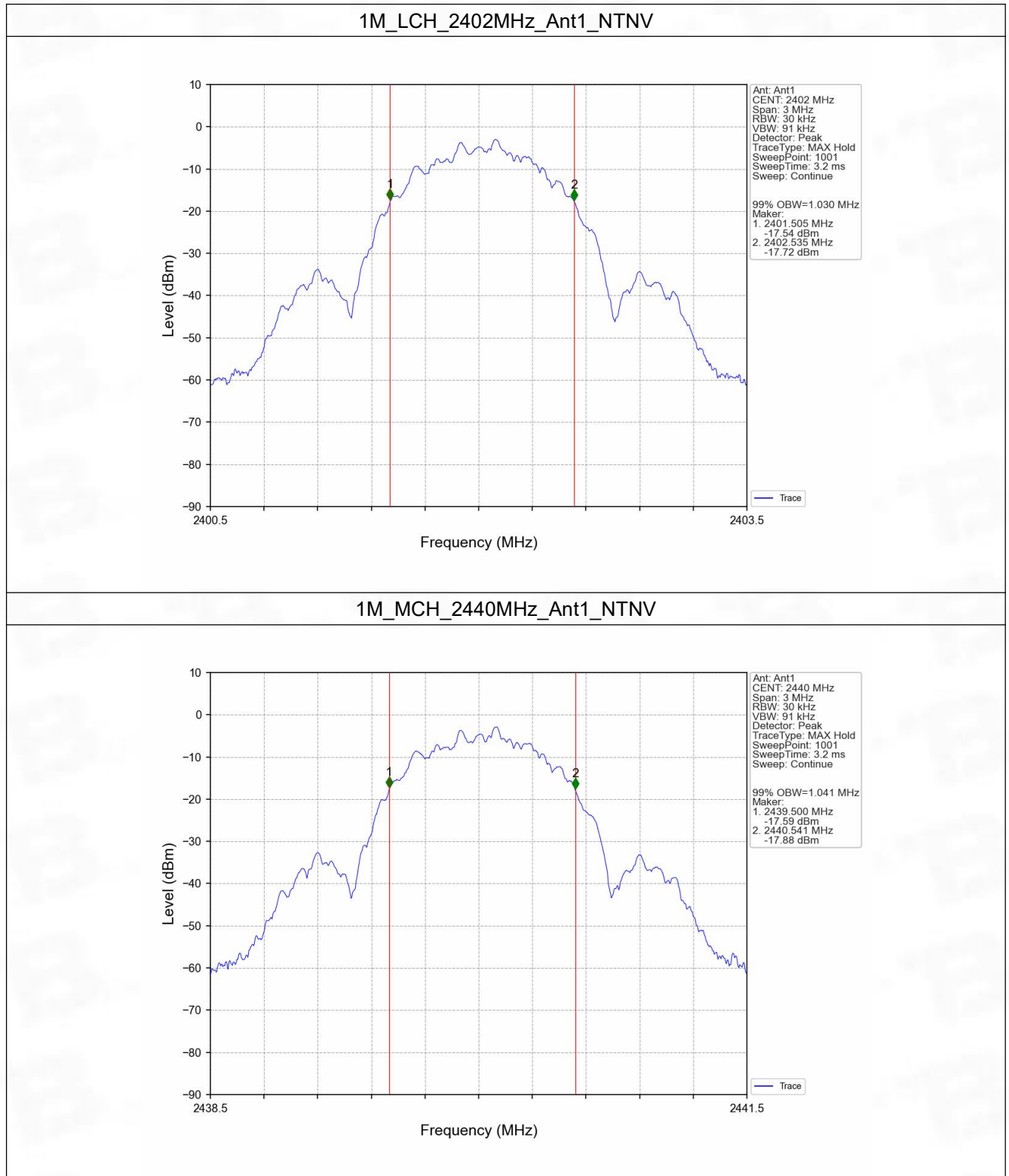
| Mode | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) |       | Verdict |
|------|---------|-----------------|-----|------------------------------|-------|---------|
|      |         |                 |     | Result                       | Limit |         |
| 1M   | SISO    | 2402            | 1   | 1.030                        | /     | Pass    |
|      |         | 2440            | 1   | 1.041                        | /     | Pass    |
|      |         | 2480            | 1   | 1.037                        | /     | Pass    |
| 2M   | SISO    | 2402            | 1   | 2.068                        | /     | Pass    |
|      |         | 2440            | 1   | 2.070                        | /     | Pass    |
|      |         | 2480            | 1   | 2.071                        | /     | Pass    |

#### 2.1.2 6dB BW

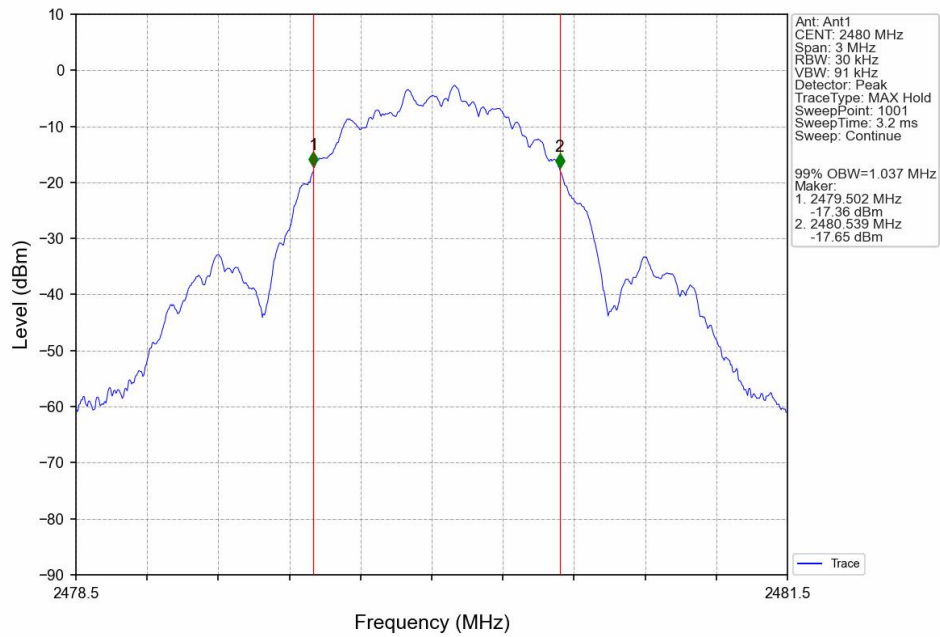
| Mode | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) |            | Verdict |
|------|---------|-----------------|-----|---------------------|------------|---------|
|      |         |                 |     | Result              | Limit      |         |
| 1M   | SISO    | 2402            | 1   | 0.732               | $\geq 0.5$ | Pass    |
|      |         | 2440            | 1   | 0.753               | $\geq 0.5$ | Pass    |
|      |         | 2480            | 1   | 0.749               | $\geq 0.5$ | Pass    |
| 2M   | SISO    | 2402            | 1   | 1.419               | $\geq 0.5$ | Pass    |
|      |         | 2440            | 1   | 1.434               | $\geq 0.5$ | Pass    |
|      |         | 2480            | 1   | 1.442               | $\geq 0.5$ | Pass    |

## 2.2 Test Graph

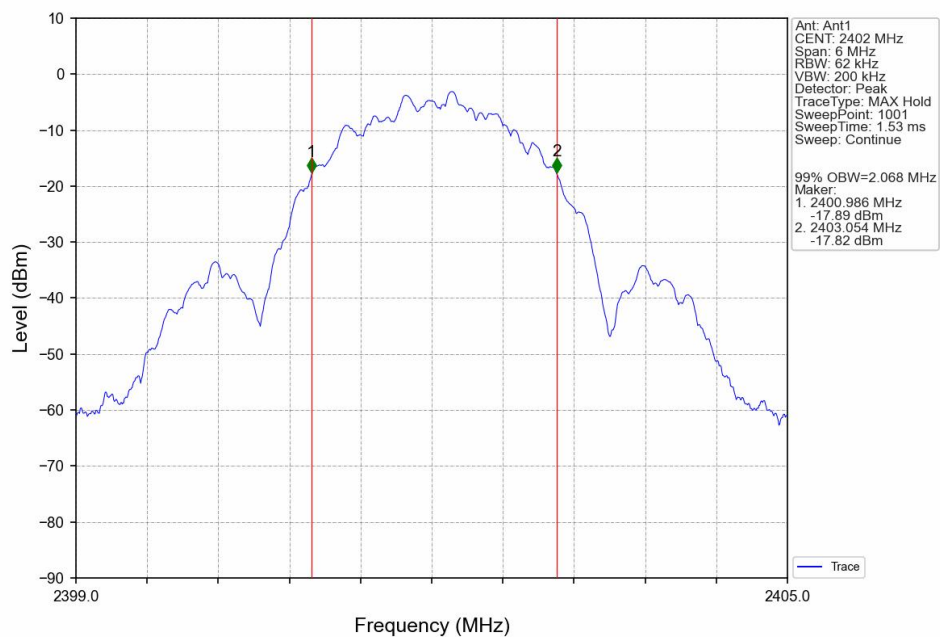
### 2.2.1 OBW



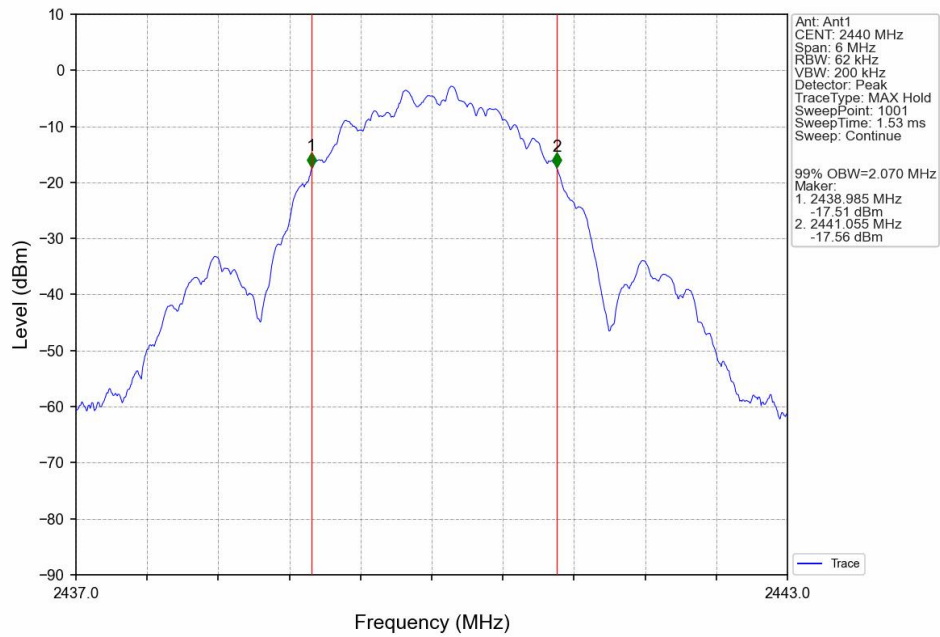
## 1M\_HCH\_2480MHz\_Ant1\_NTNV



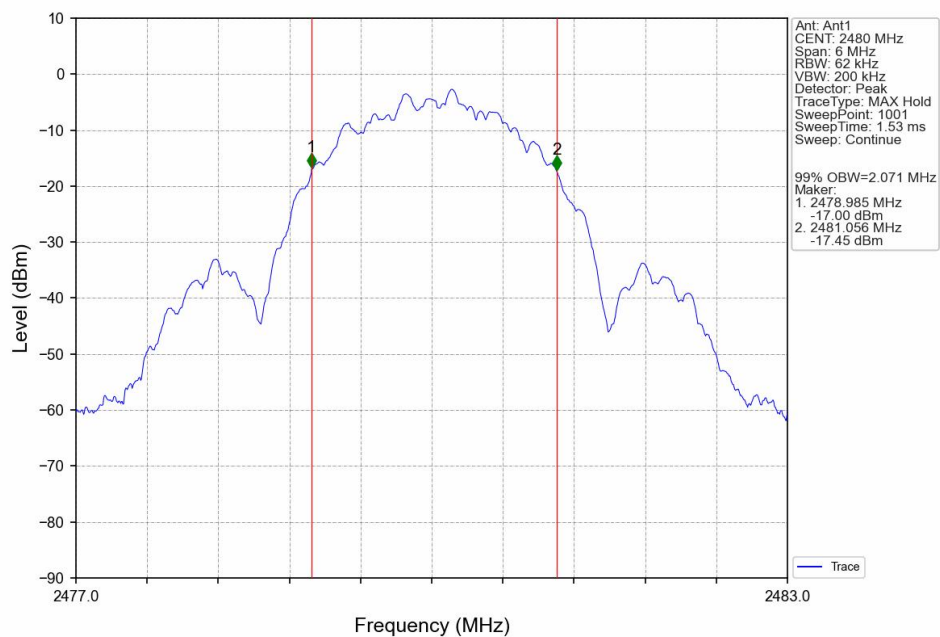
## 2M\_LCH\_2402MHz\_Ant1\_NTNV



2M\_MCH\_2440MHz\_Ant1\_NTNV

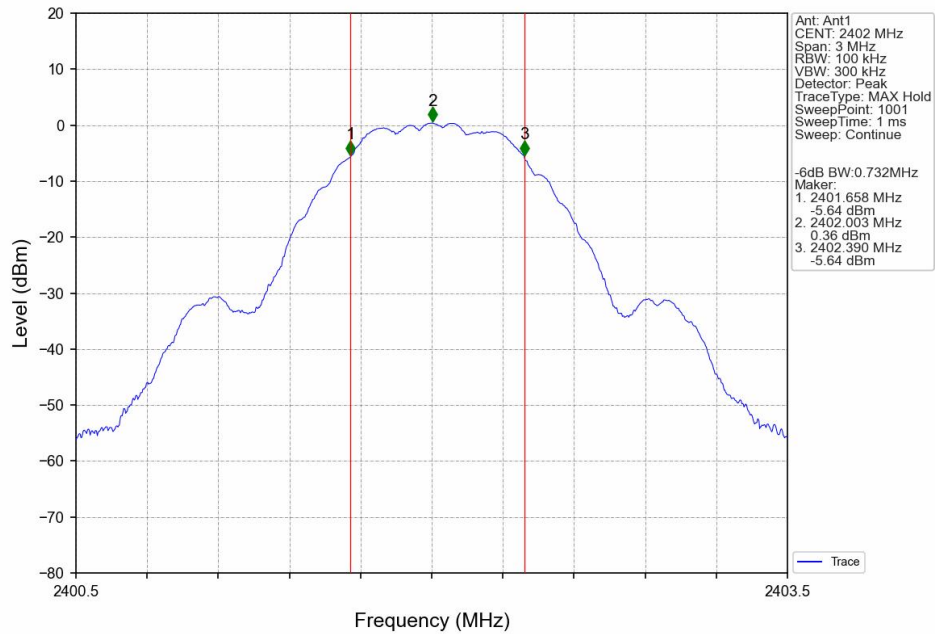


2M\_HCH\_2480MHz\_Ant1\_NTNV

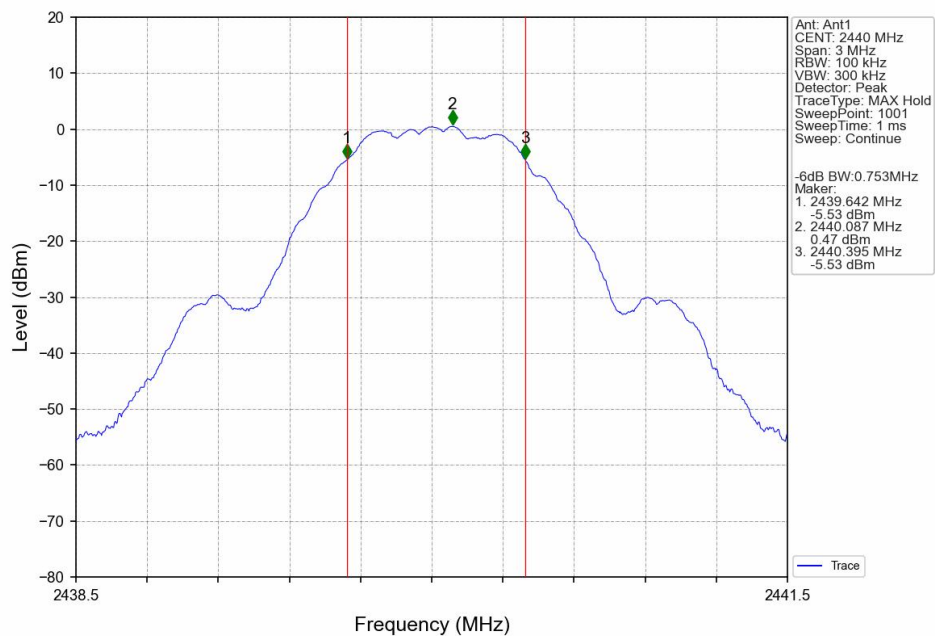


## 2.2.2 6dB BW

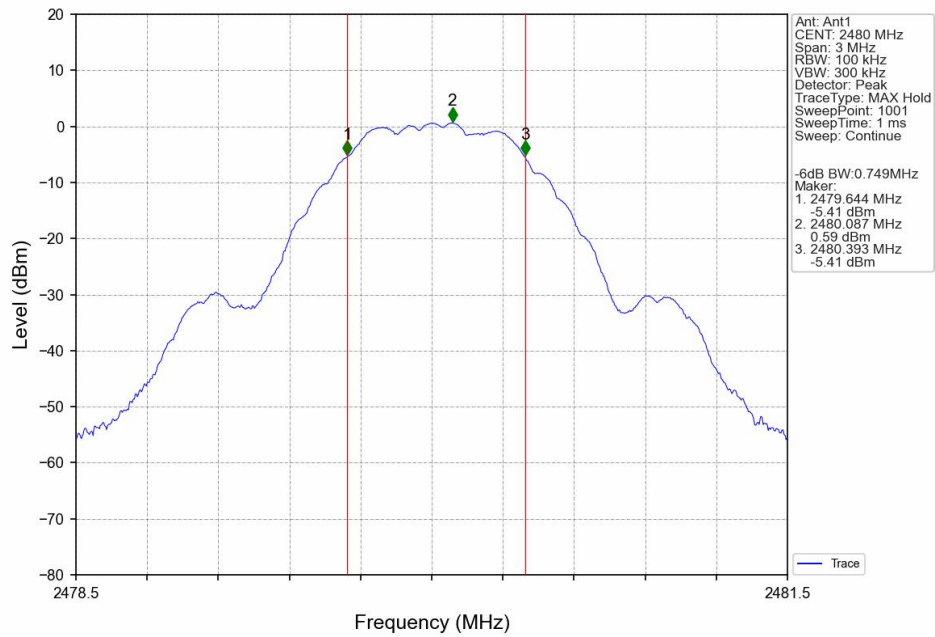
1M\_LCH\_2402MHz\_Ant1\_NTNV



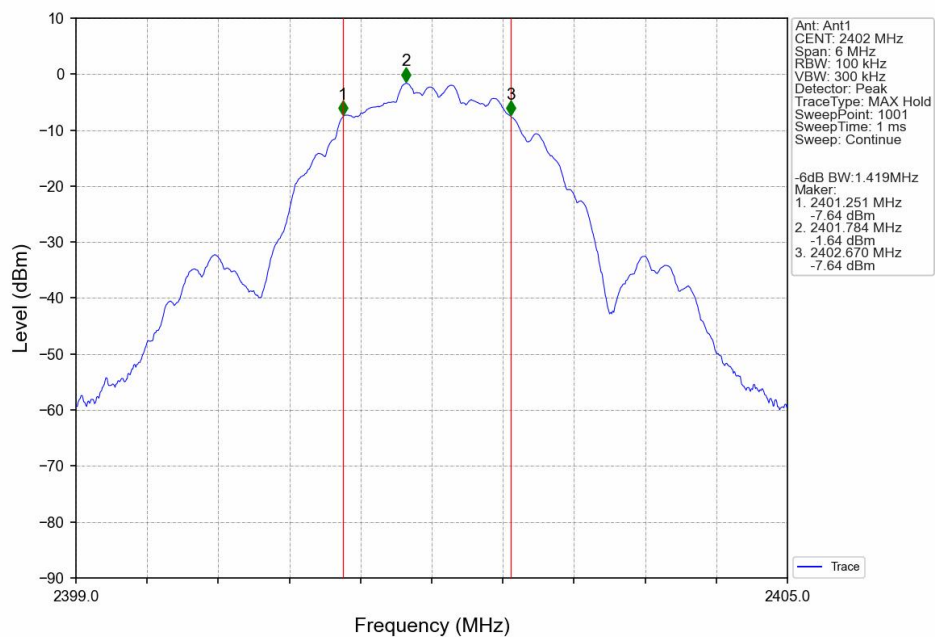
1M\_MCH\_2440MHz\_Ant1\_NTNV



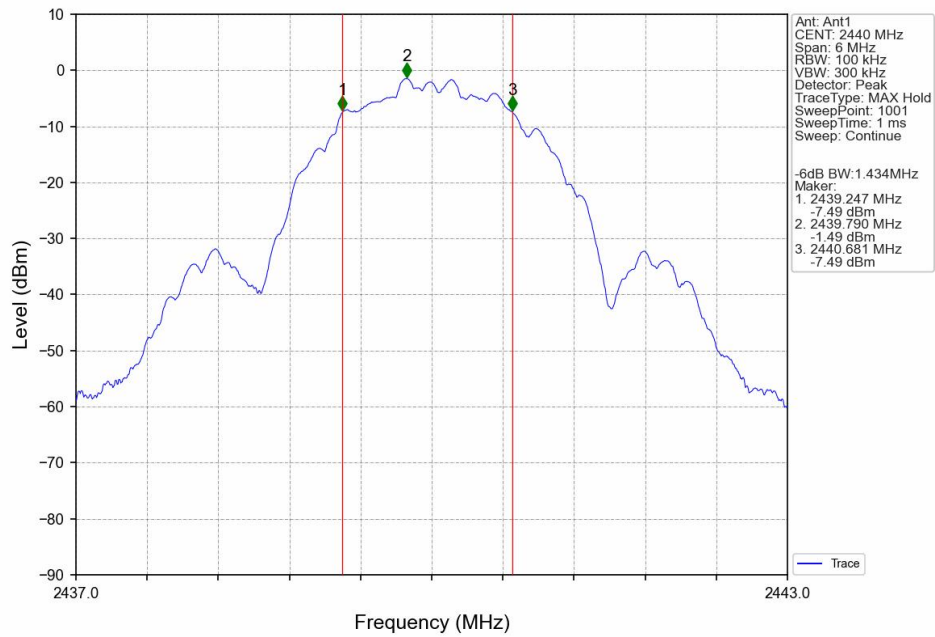
## 1M\_HCH\_2480MHz\_Ant1\_NTNV



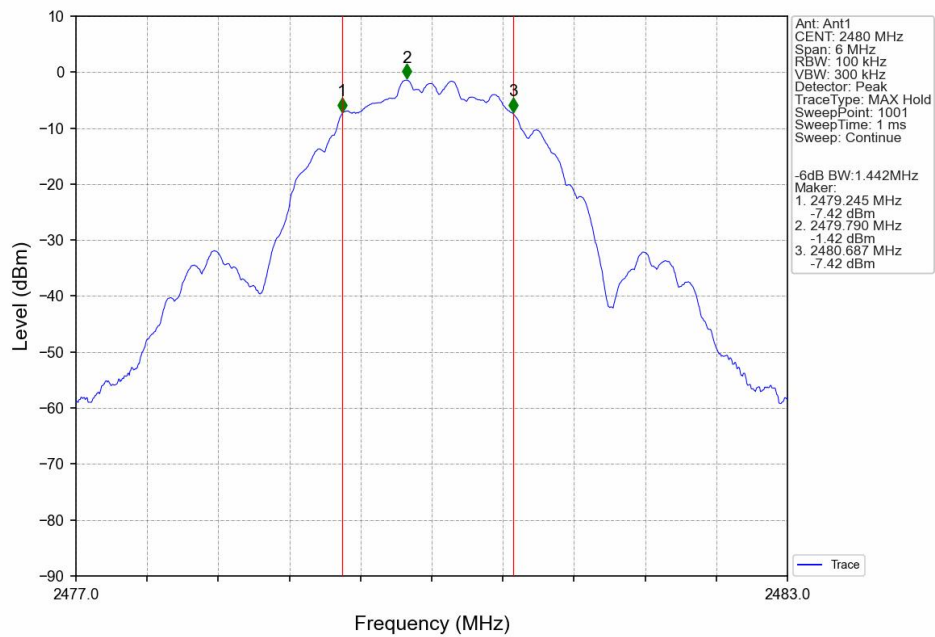
## 2M\_LCH\_2402MHz\_Ant1\_NTNV



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



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



### 3. Maximum Conducted Output Power

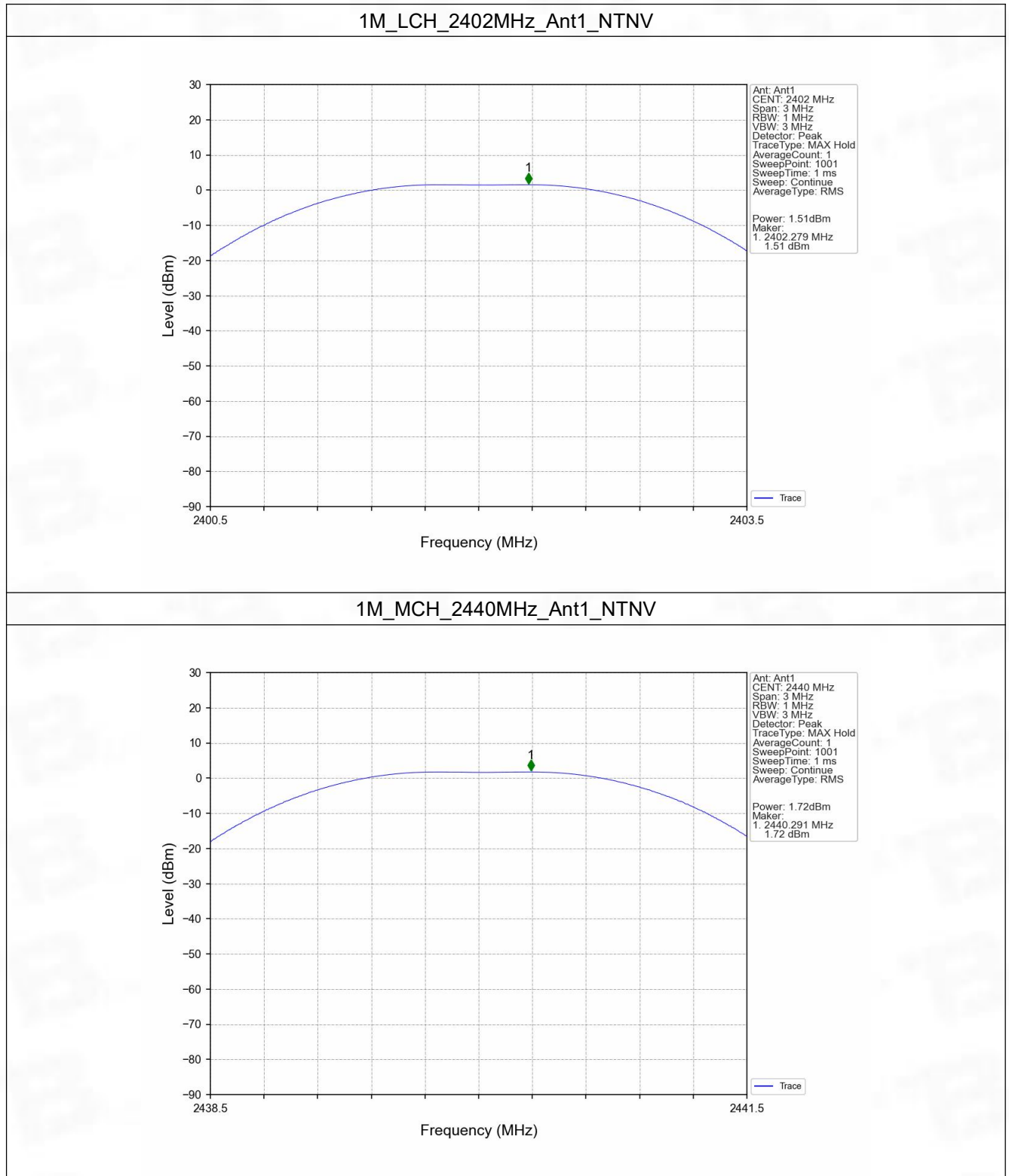
#### 3.1 Test Result

##### 3.1.1 Power

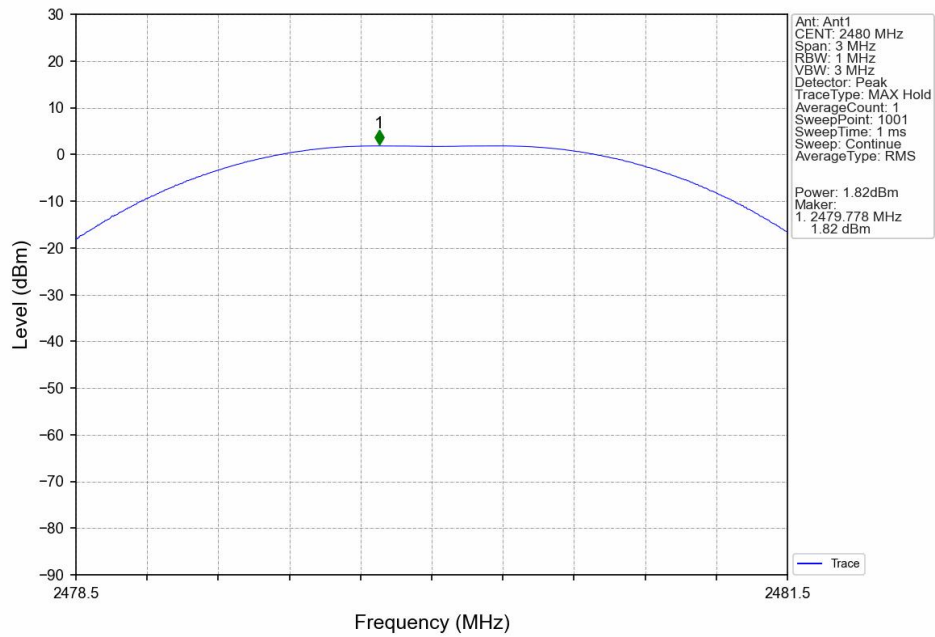
| Mode                                 | TX Type | Frequency (MHz) | Maximum Peak Conducted Output Power (dBm) |       | Verdict |
|--------------------------------------|---------|-----------------|-------------------------------------------|-------|---------|
|                                      |         |                 | ANT1                                      | Limit |         |
| 1M                                   | SISO    | 2402            | 1.51                                      | <=30  | Pass    |
|                                      |         | 2440            | 1.72                                      | <=30  | Pass    |
|                                      |         | 2480            | 1.82                                      | <=30  | Pass    |
| 2M                                   | SISO    | 2402            | 1.51                                      | <=30  | Pass    |
|                                      |         | 2440            | 1.70                                      | <=30  | Pass    |
|                                      |         | 2480            | 1.80                                      | <=30  | Pass    |
| Note1: Antenna Gain: Ant1: -0.35dBi; |         |                 |                                           |       |         |

## 3.2 Test Graph

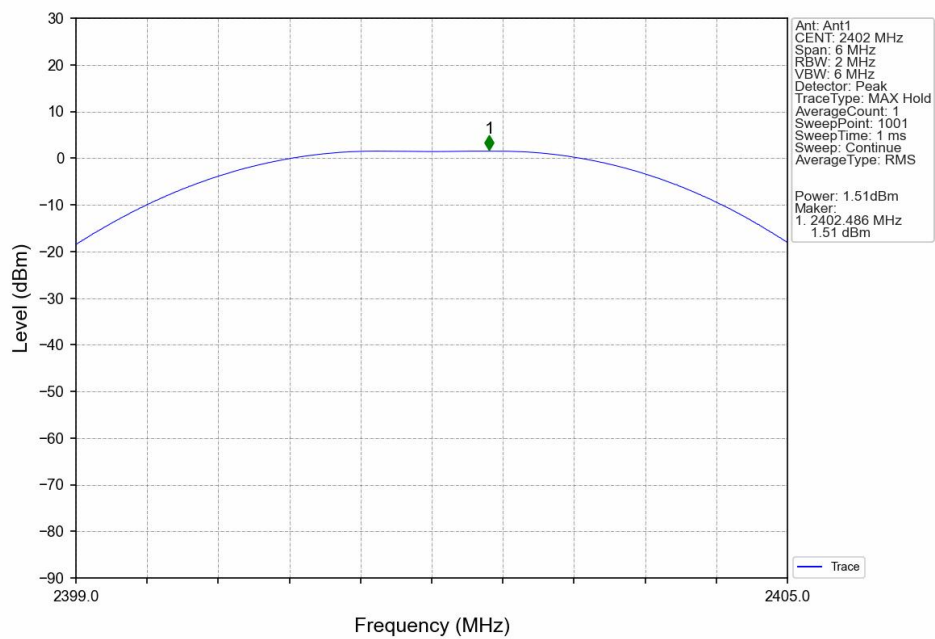
### 3.2.1 Power



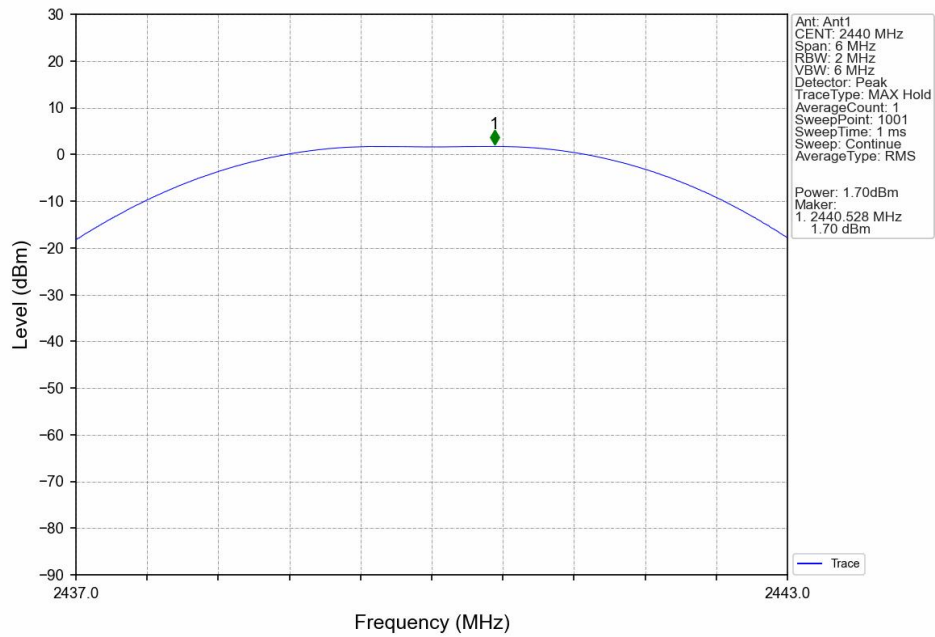
1M\_HCH\_2480MHz\_Ant1\_NTNV



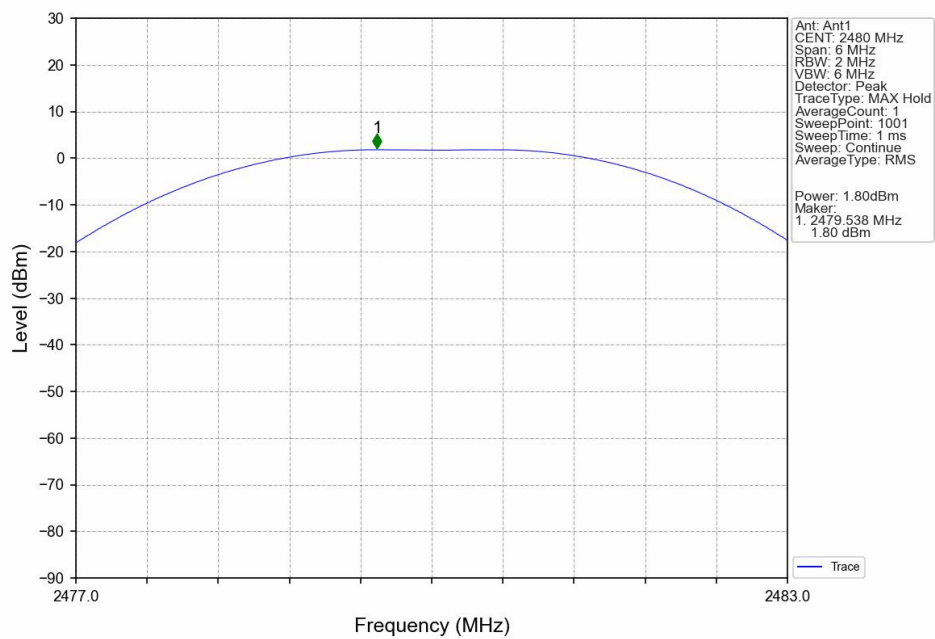
2M\_LCH\_2402MHz\_Ant1\_NTNV



2M\_MCH\_2440MHz\_Ant1\_NTNV



2M\_HCH\_2480MHz\_Ant1\_NTNV



#### 4. Maximum Power Spectral Density

##### 4.1 Test Result

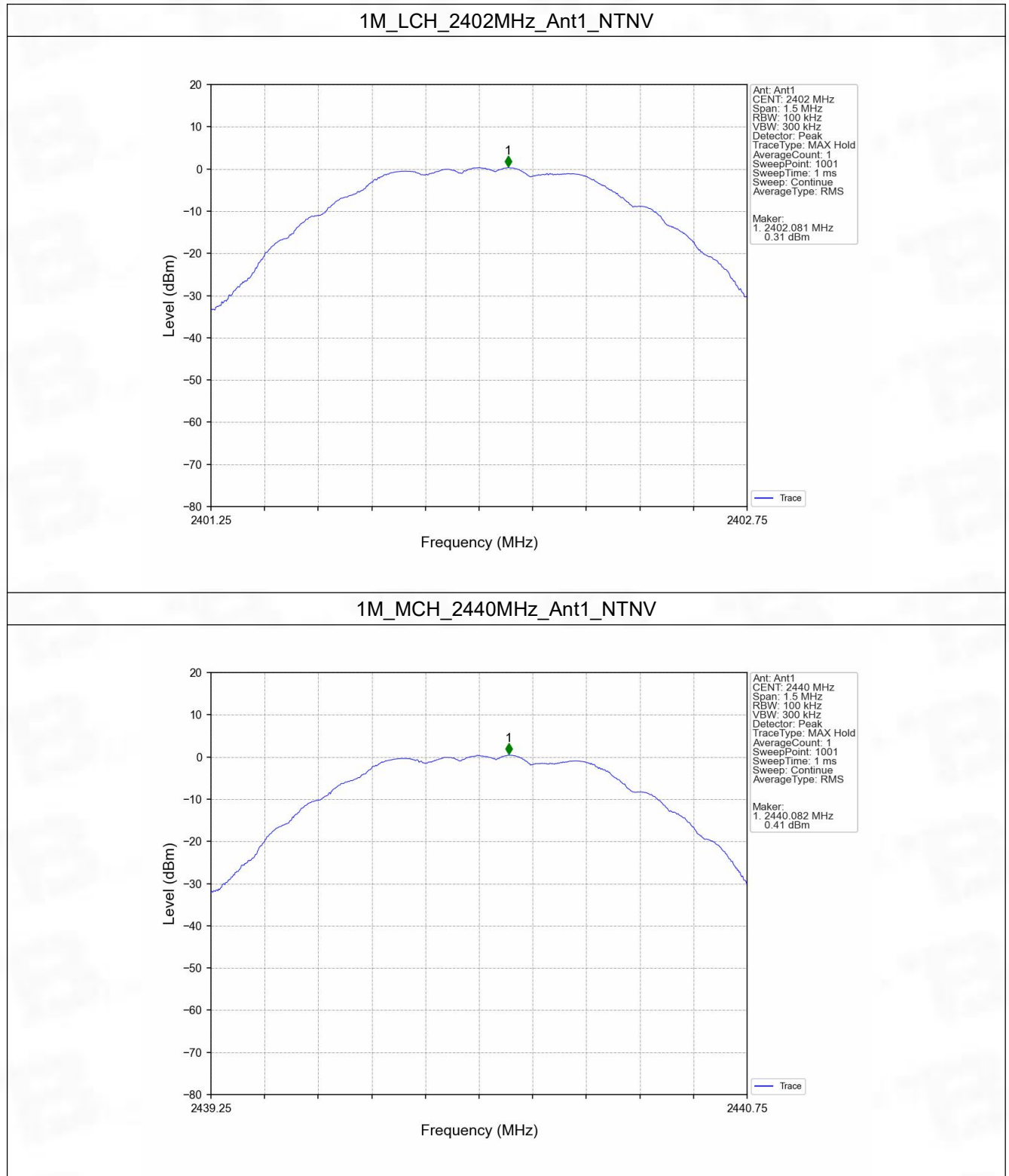
##### 4.1.1 PSD

| Mode | TX Type | Frequency (MHz) | Maximum PSD     |                | Verdict |
|------|---------|-----------------|-----------------|----------------|---------|
|      |         |                 | ANT1 dBm/100KHz | Limit dBm/3KHz |         |
| 1M   | SISO    | 2402            | 0.31            | <=8            | Pass    |
|      |         | 2440            | 0.41            | <=8            | Pass    |
|      |         | 2480            | 0.53            | <=8            | Pass    |
| 2M   | SISO    | 2402            | -1.71           | <=8            | Pass    |
|      |         | 2440            | -1.53           | <=8            | Pass    |
|      |         | 2480            | -1.44           | <=8            | Pass    |

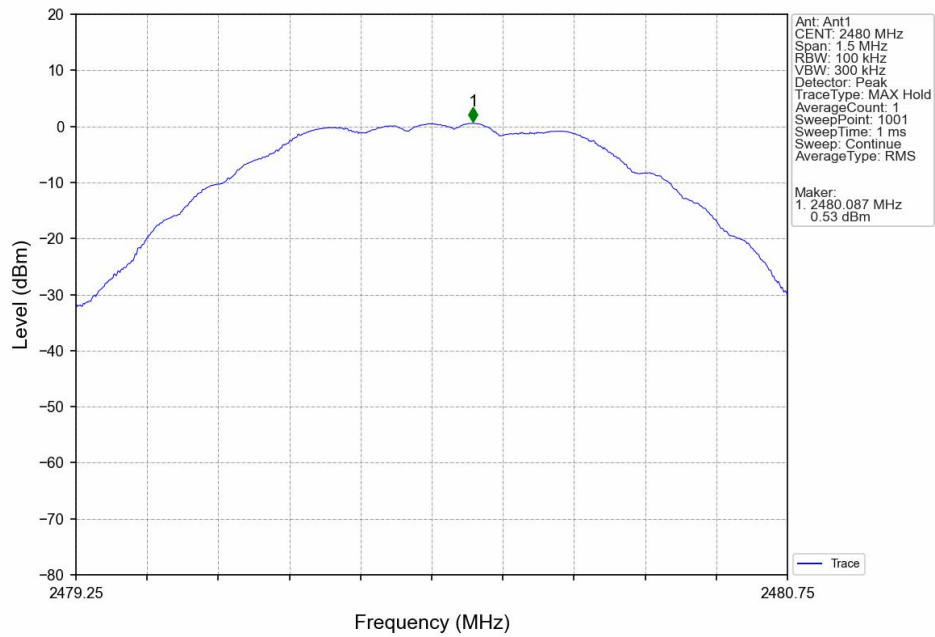
Note1: Antenna Gain: Ant1: -0.35dBi;

## 4.2 Test Graph

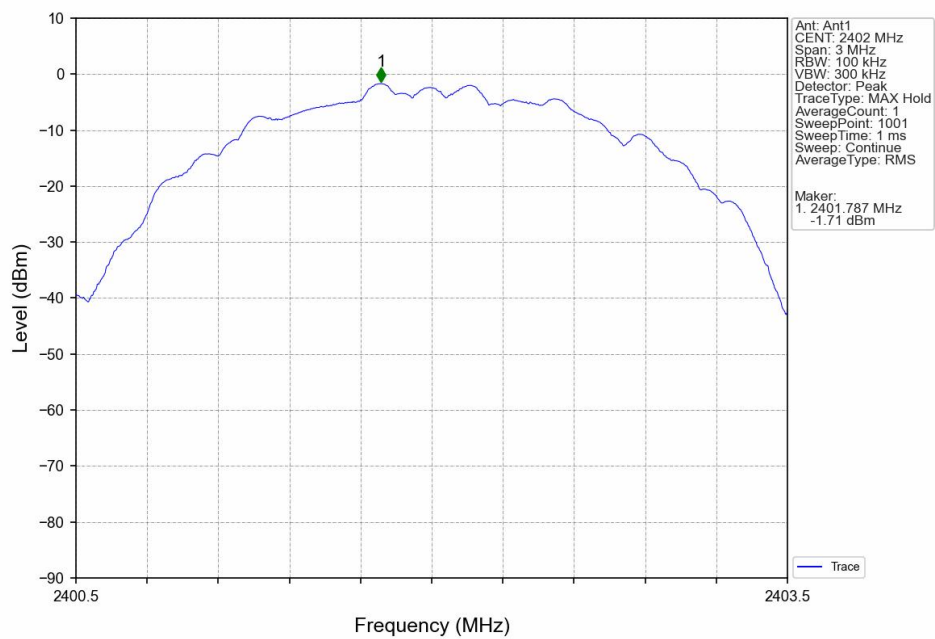
### 4.2.1 PSD



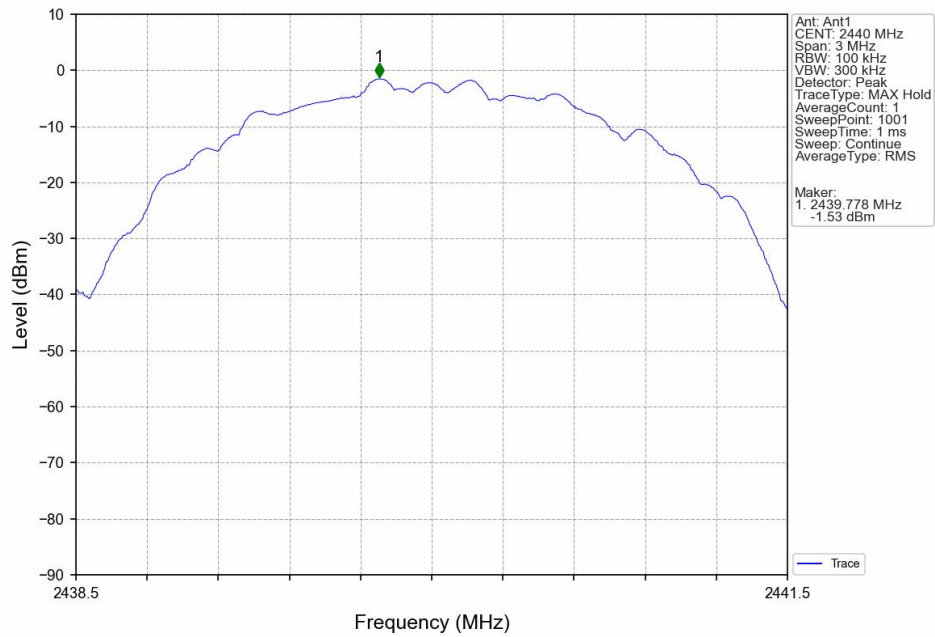
1M\_HCH\_2480MHz\_Ant1\_NTNV



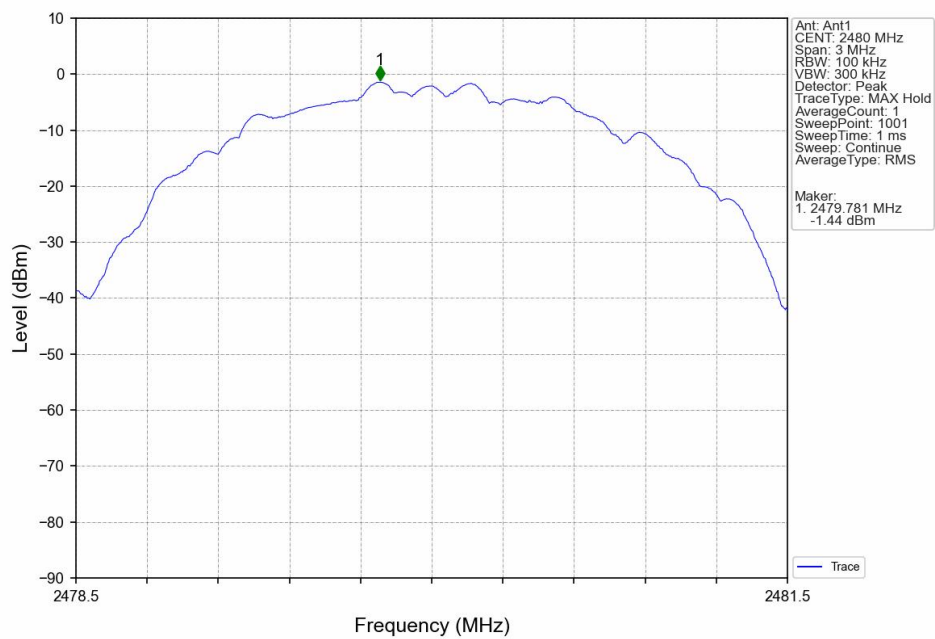
2M\_LCH\_2402MHz\_Ant1\_NTNV



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   | 0.27                     |
|      |         | 2440            | 1   | 0.41                     |
|      |         | 2480            | 1   | 0.54                     |
| 2M   | SISO    | 2402            | 1   | -1.71                    |
|      |         | 2440            | 1   | -1.52                    |
|      |         | 2480            | 1   | -1.43                    |

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.

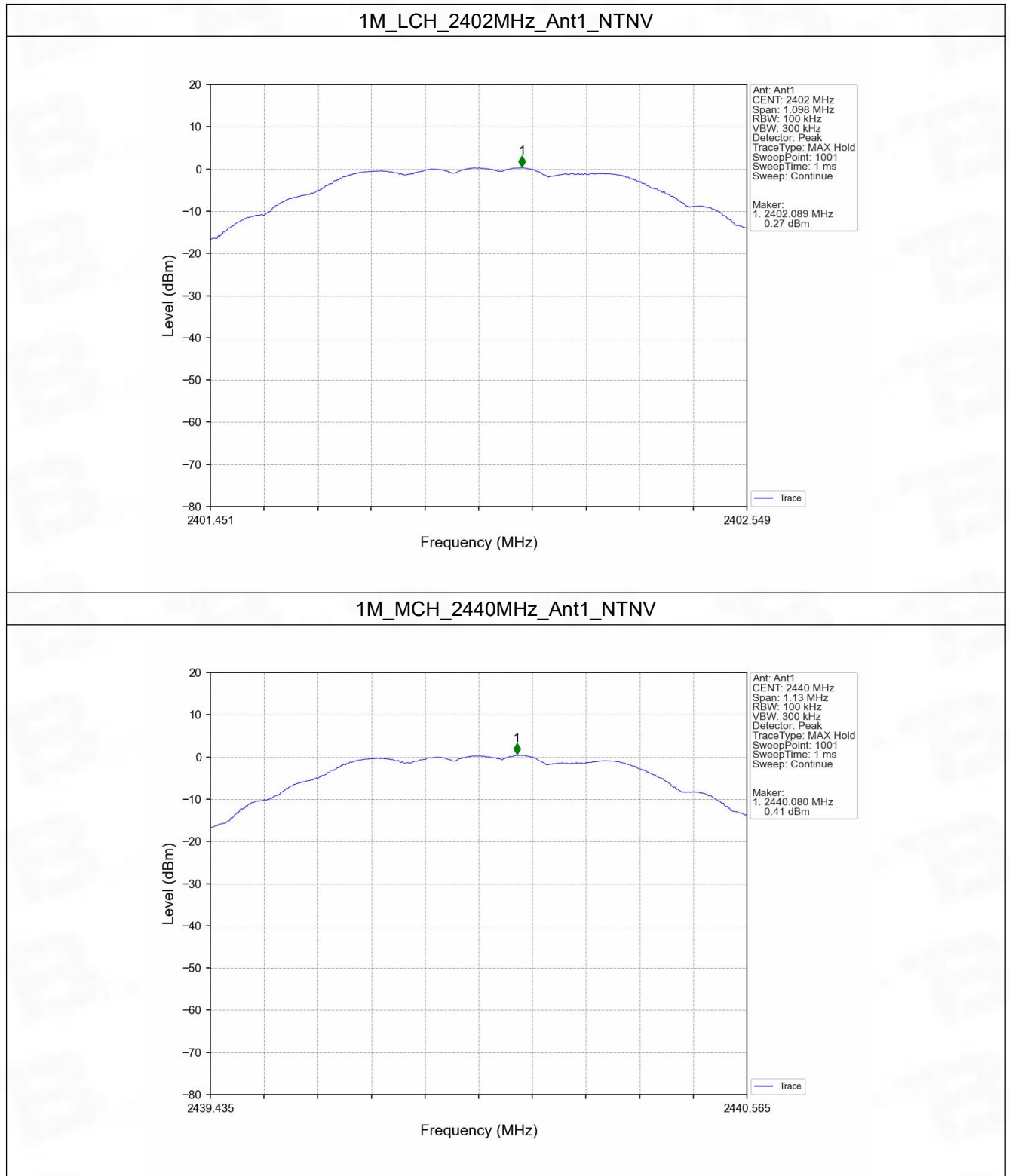
#### 5.1.2 CSE

| Mode | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|------|---------|-----------------|-----|--------------------------|-------------|---------|
| 1M   | SISO    | 2402            | 1   | 0.27                     | -19.73      | Pass    |
|      |         | 2440            | 1   | 0.41                     | -19.59      | Pass    |
|      |         | 2480            | 1   | 0.54                     | -19.46      | Pass    |
| 2M   | SISO    | 2402            | 1   | -1.71                    | -21.71      | Pass    |
|      |         | 2440            | 1   | -1.52                    | -21.52      | Pass    |
|      |         | 2480            | 1   | -1.43                    | -21.43      | Pass    |

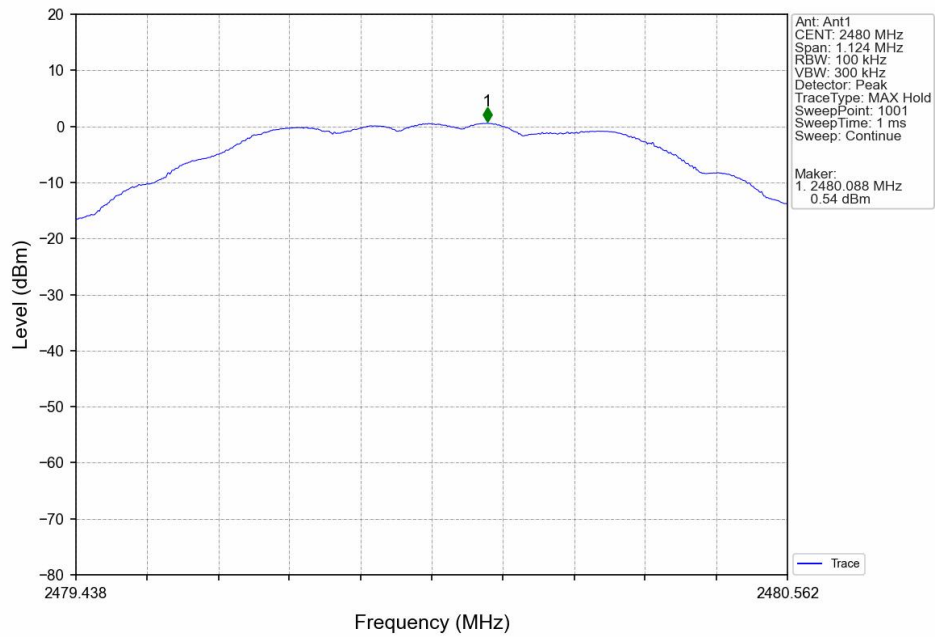
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

## 5.2 Test Graph

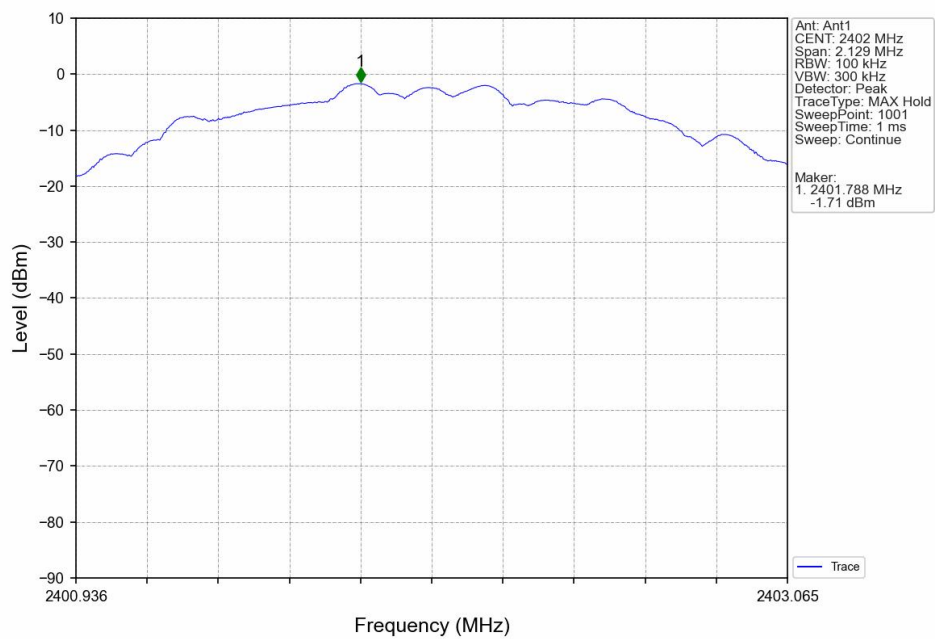
### 5.2.1 Ref



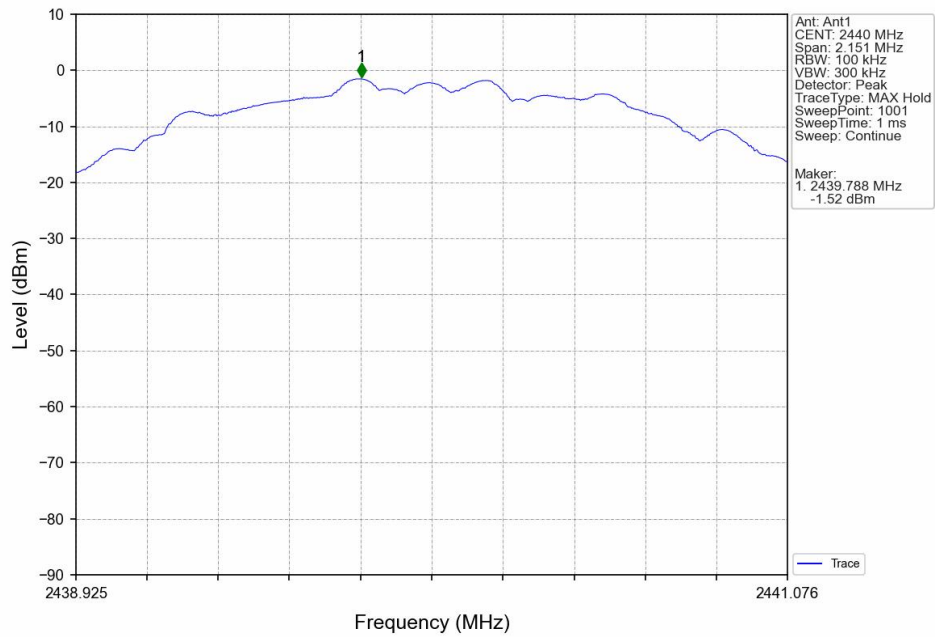
1M\_HCH\_2480MHz\_Ant1\_NTNV



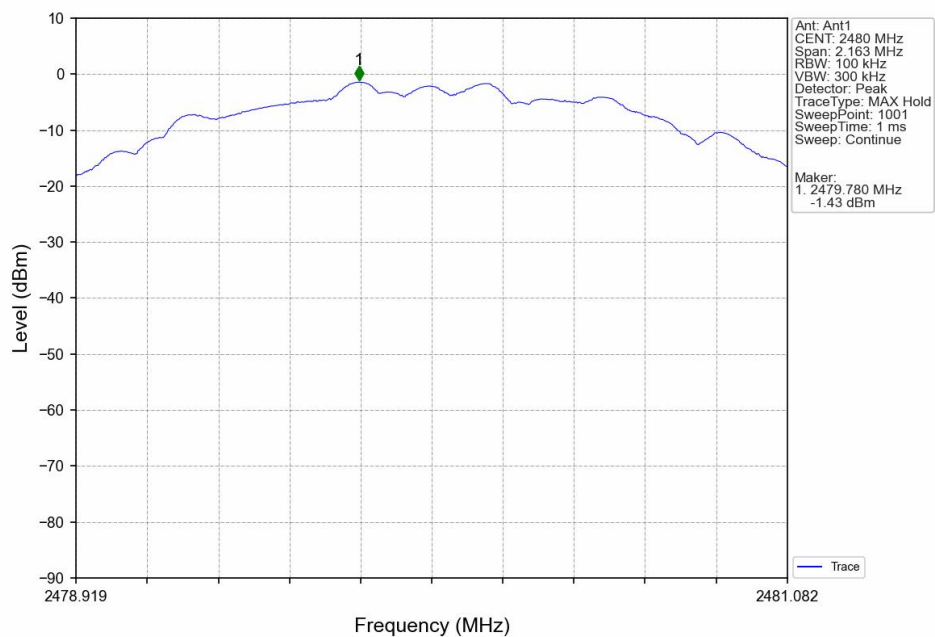
2M\_LCH\_2402MHz\_Ant1\_NTNV



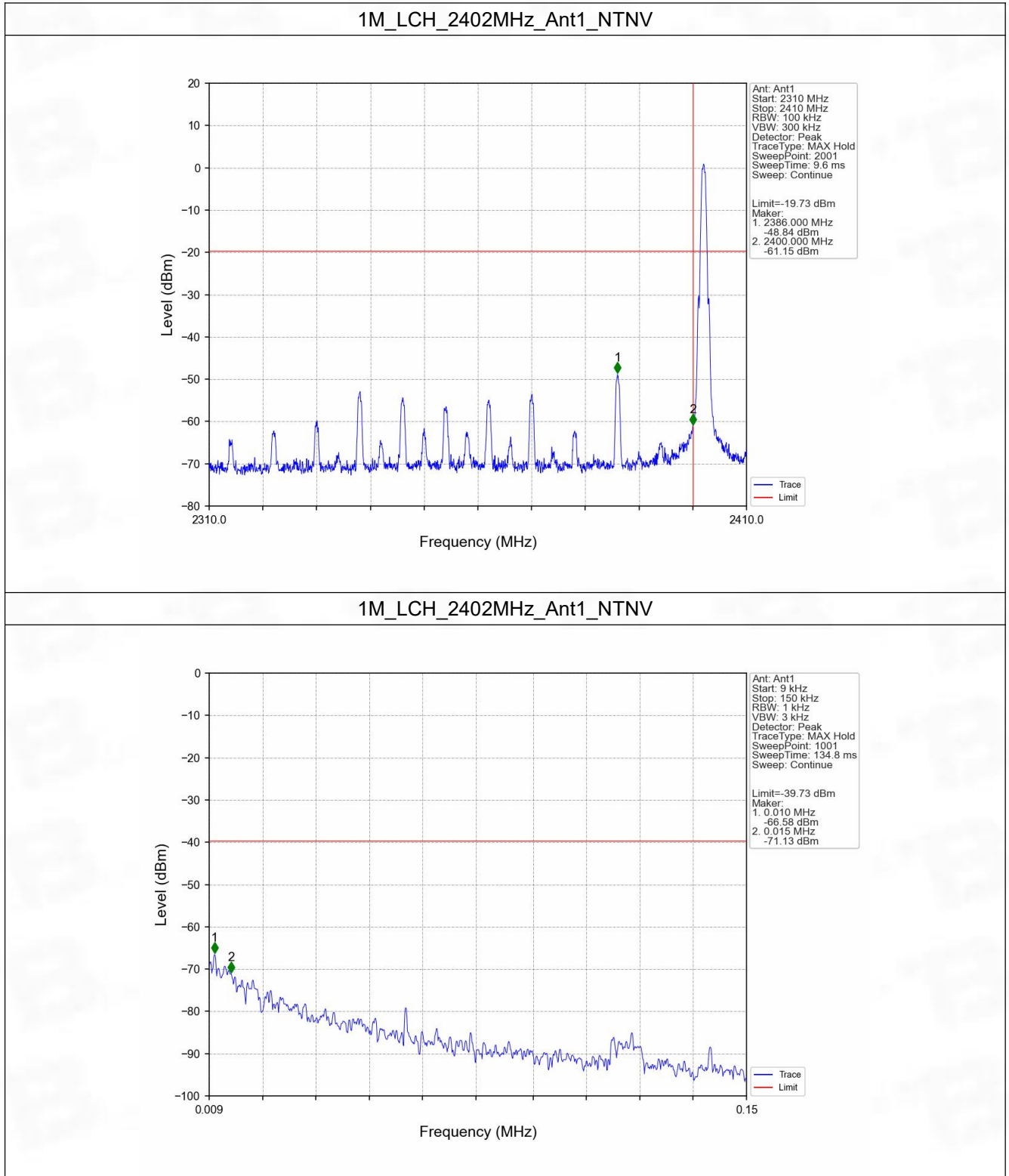
2M\_MCH\_2440MHz\_Ant1\_NTNV



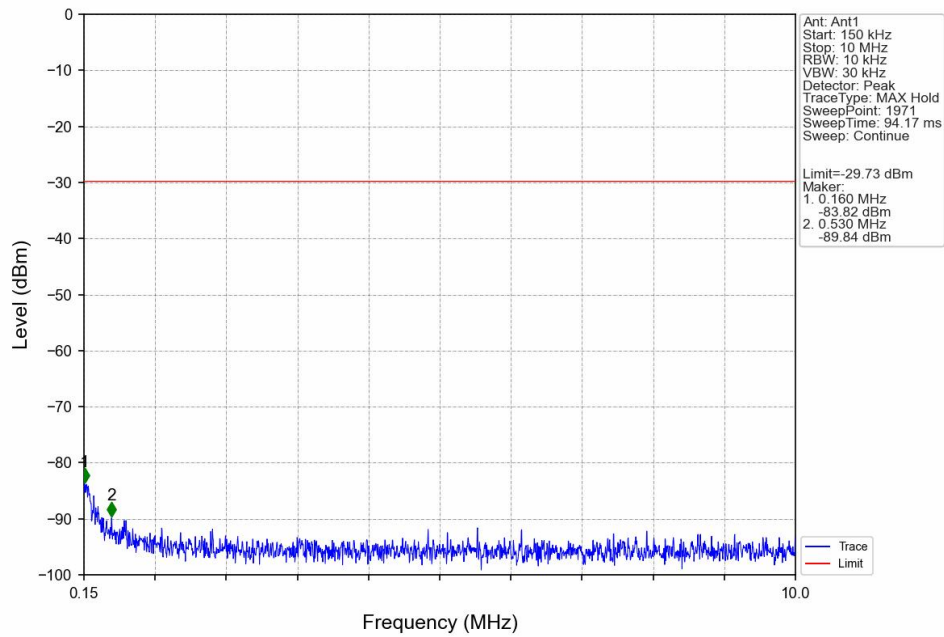
2M\_HCH\_2480MHz\_Ant1\_NTNV



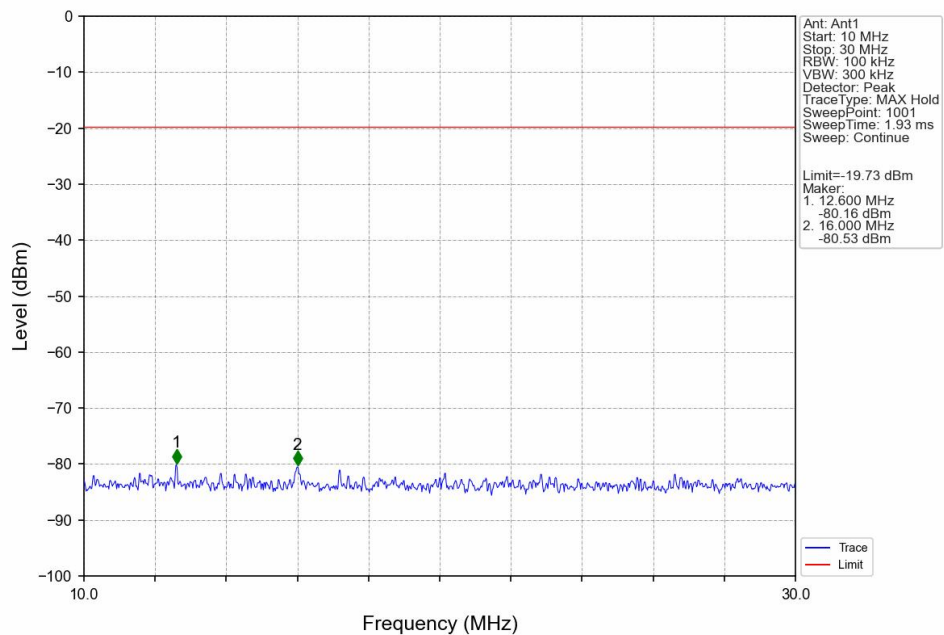
### 5.2.2 CSE



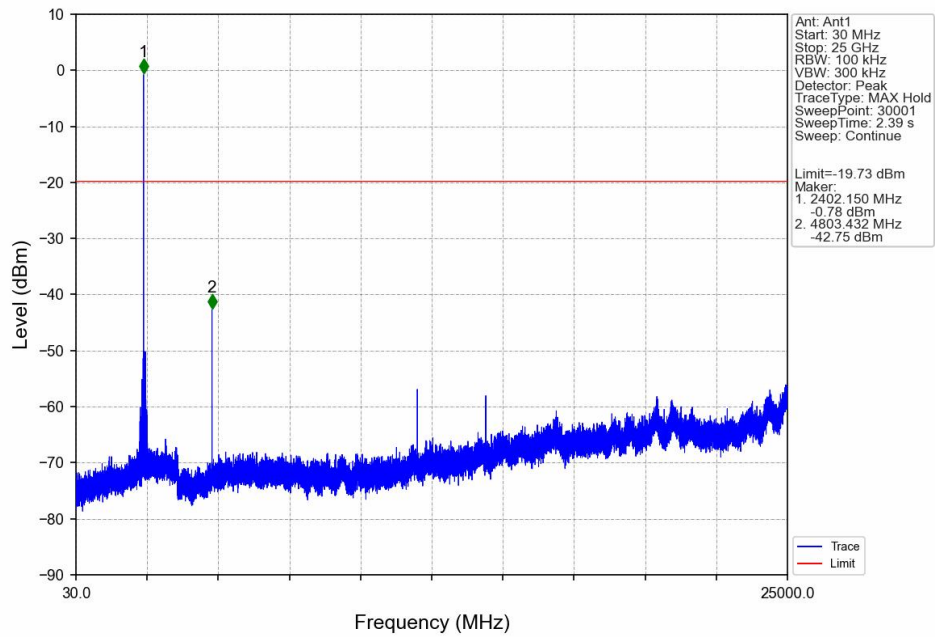
## 1M\_LCH\_2402MHz\_Ant1\_NTNV



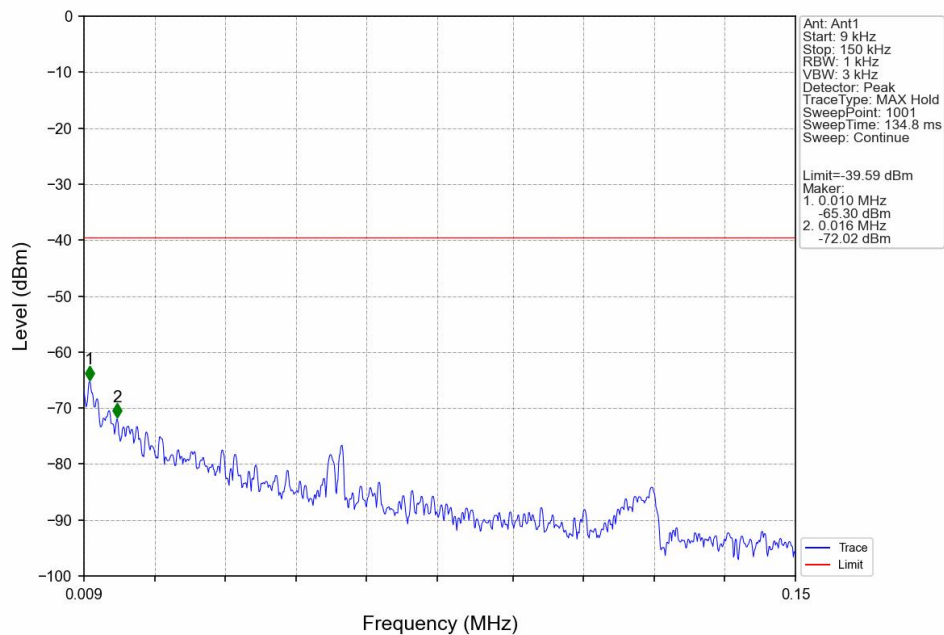
## 1M\_LCH\_2402MHz\_Ant1\_NTNV



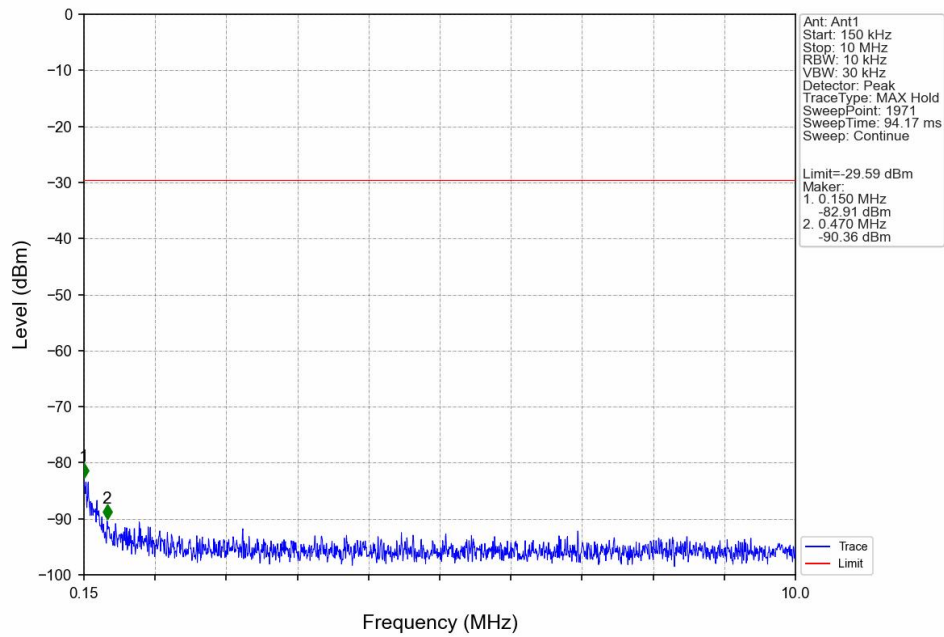
## 1M\_LCH\_2402MHz\_Ant1\_NTNV



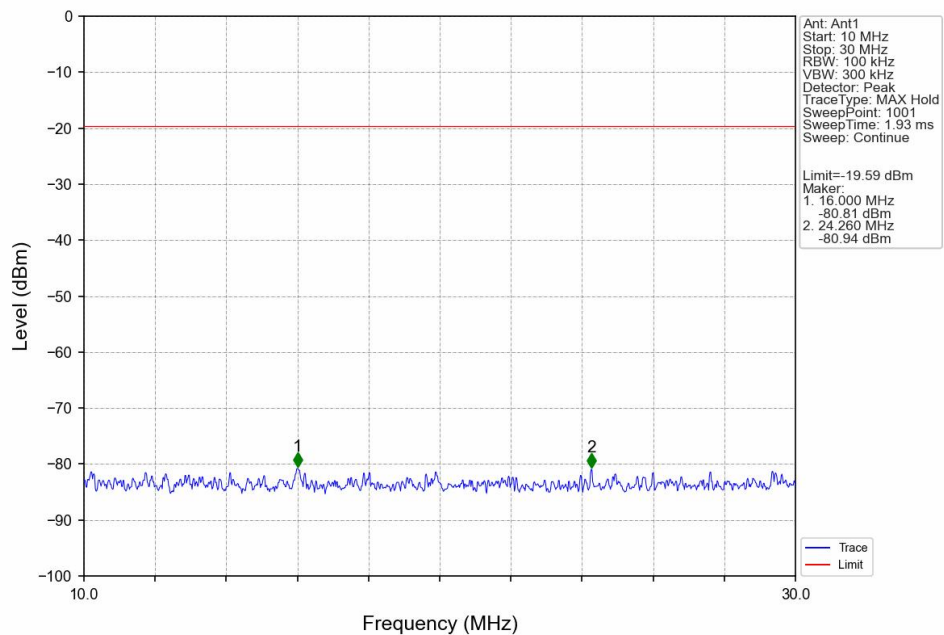
## 1M\_MCH\_2440MHz\_Ant1\_NTNV



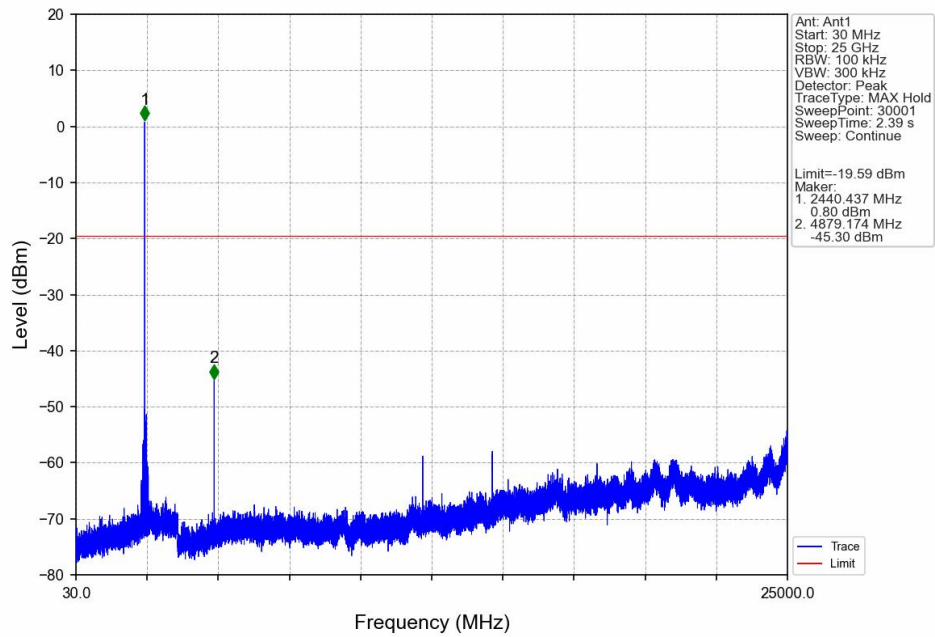
1M\_MCH\_2440MHz\_Ant1\_NTNV



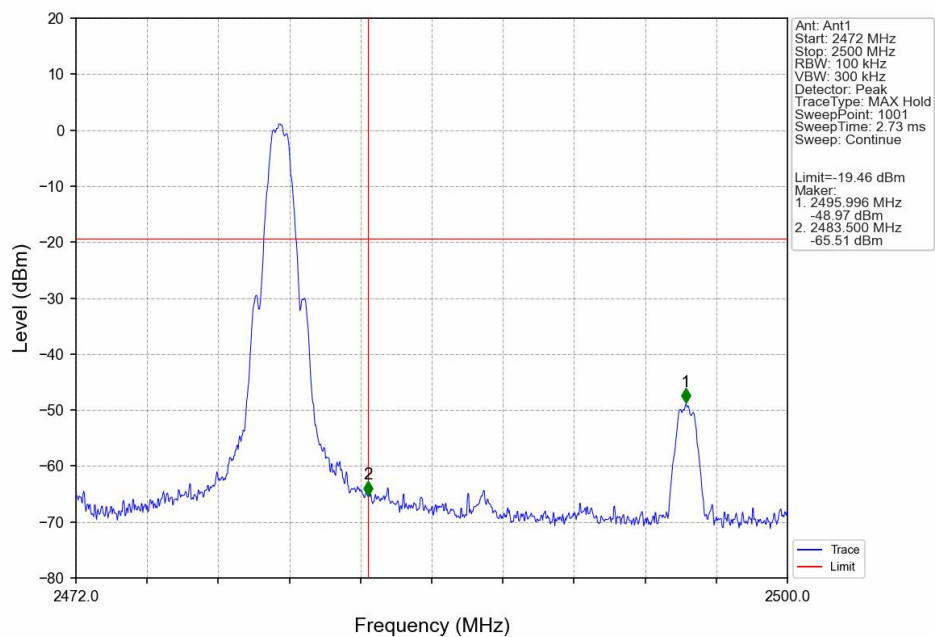
1M\_MCH\_2440MHz\_Ant1\_NTNV



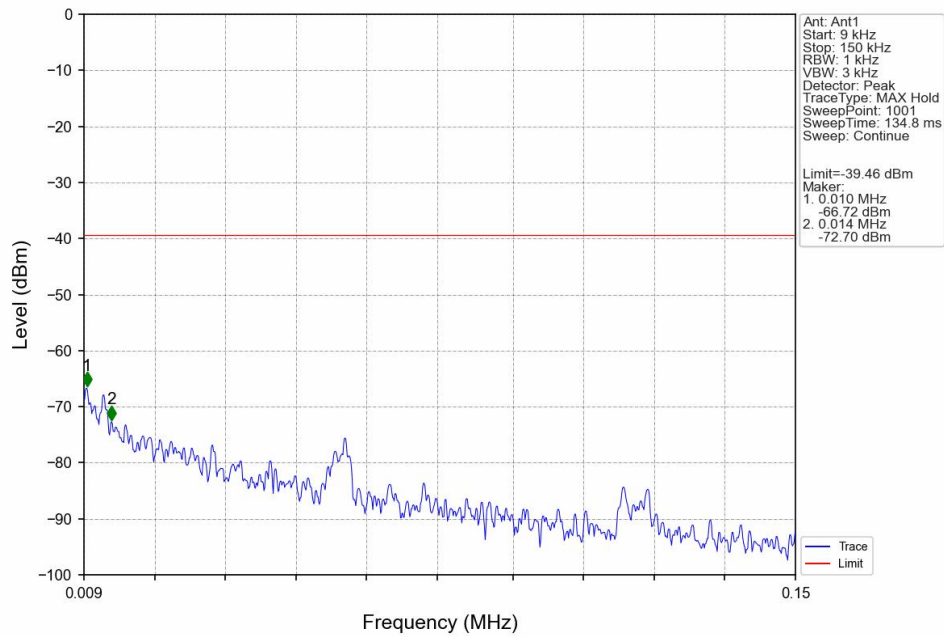
## 1M\_MCH\_2440MHz\_Ant1\_NTNV



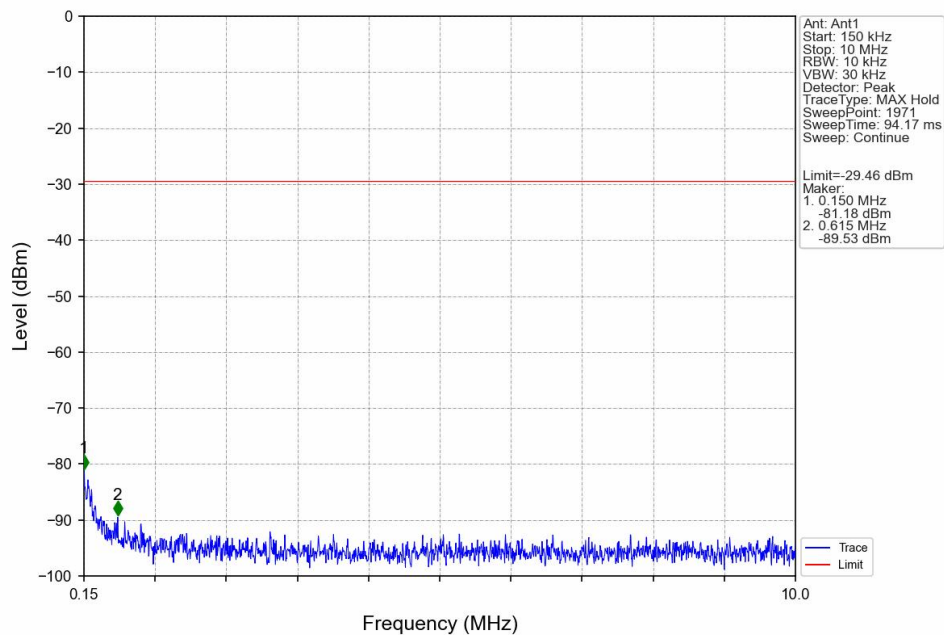
## 1M\_HCH\_2480MHz\_Ant1\_NTNV



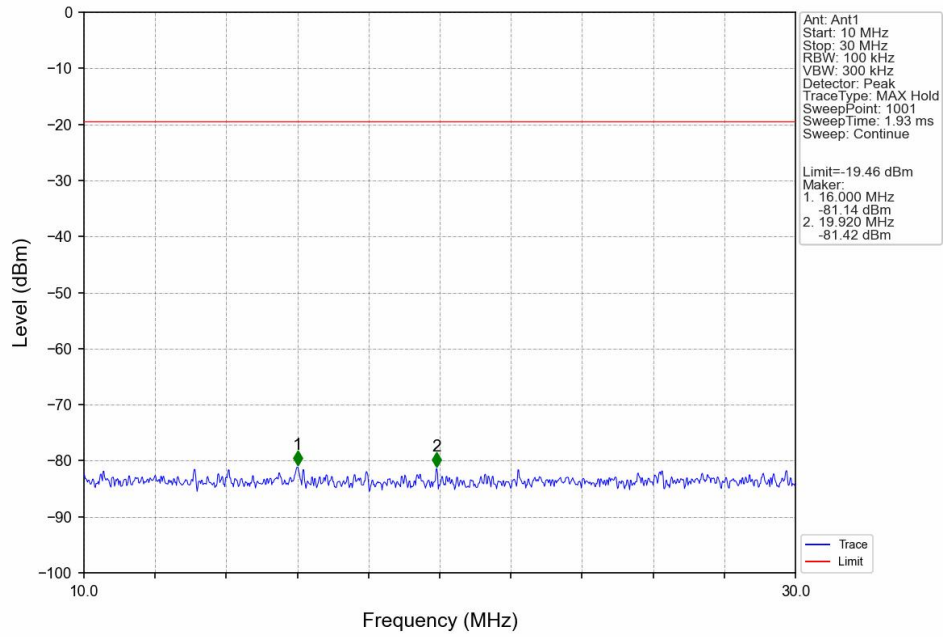
1M\_HCH\_2480MHz\_Ant1\_NTNV



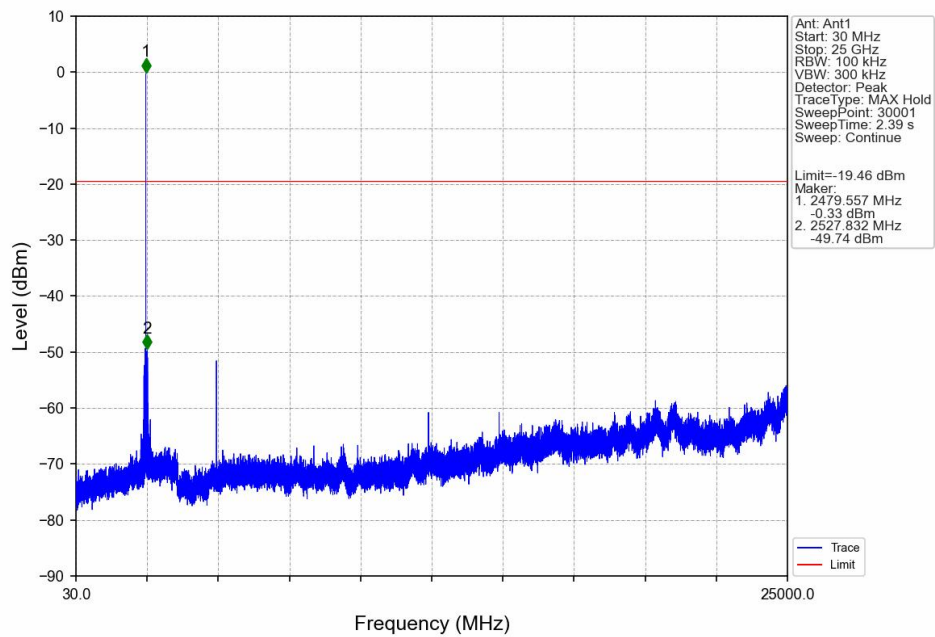
1M\_HCH\_2480MHz\_Ant1\_NTNV



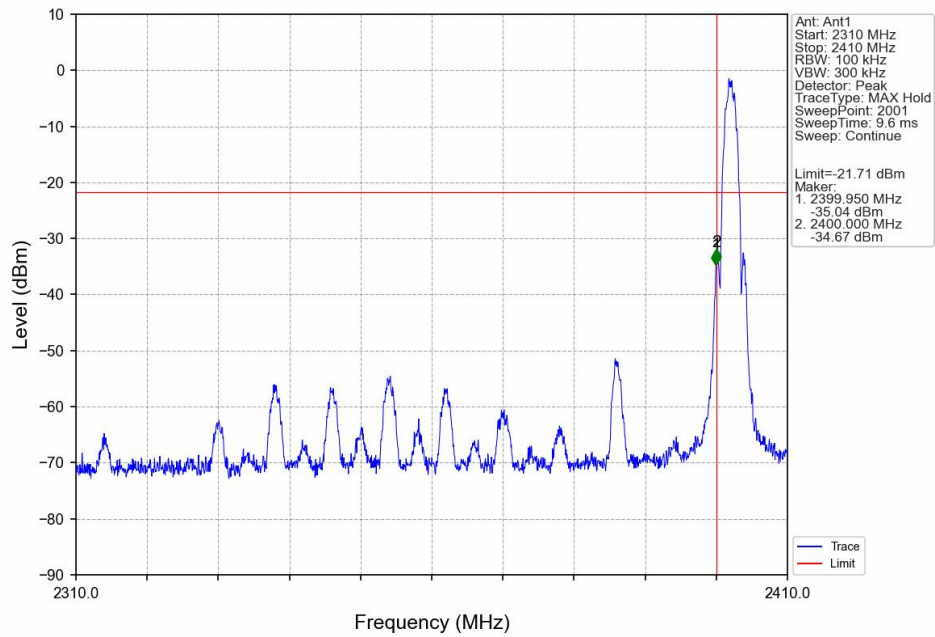
1M\_HCH\_2480MHz\_Ant1\_NTNV



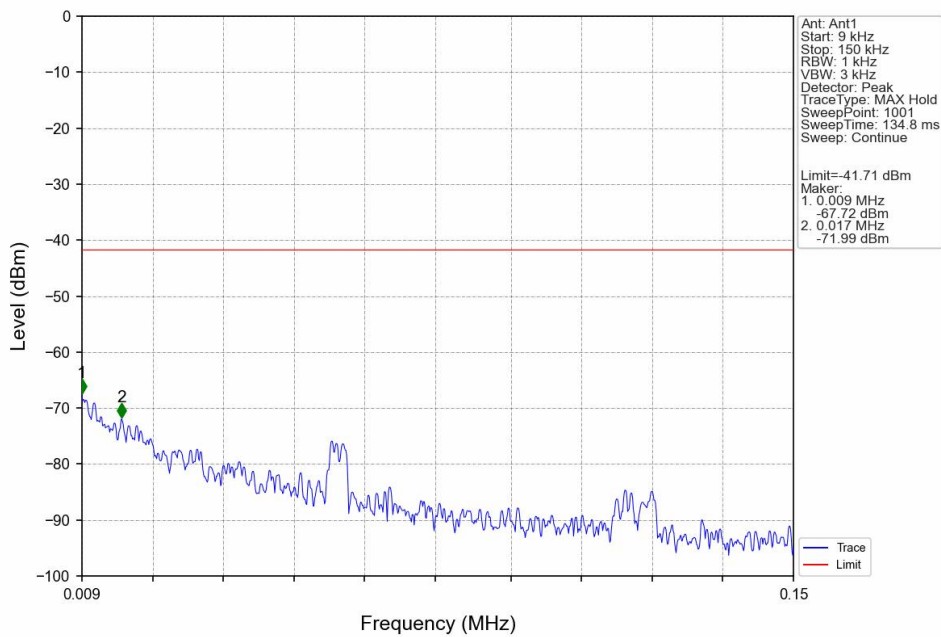
1M\_HCH\_2480MHz\_Ant1\_NTNV



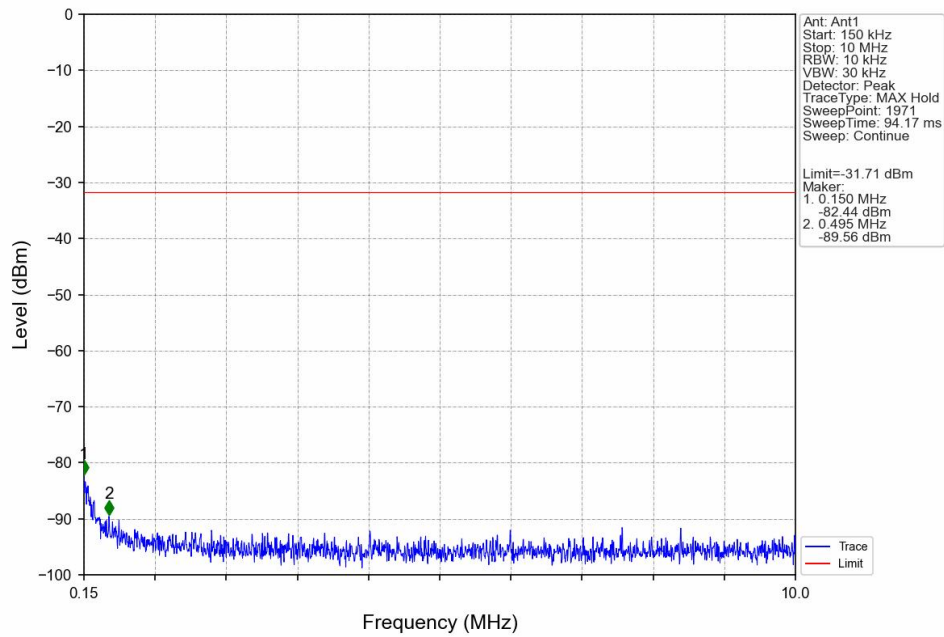
## 2M\_LCH\_2402MHz\_Ant1\_NTNV



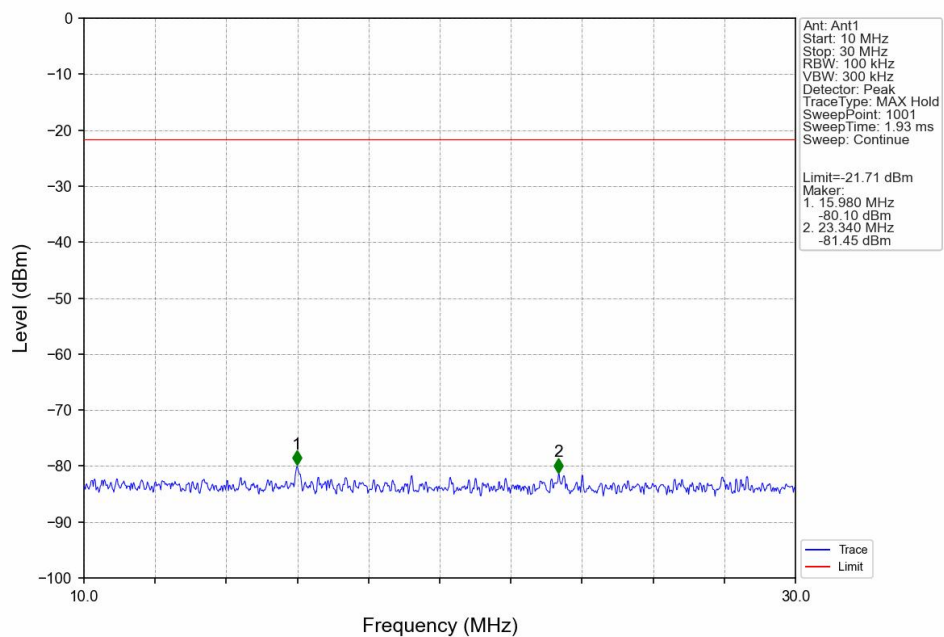
## 2M\_LCH\_2402MHz\_Ant1\_NTNV



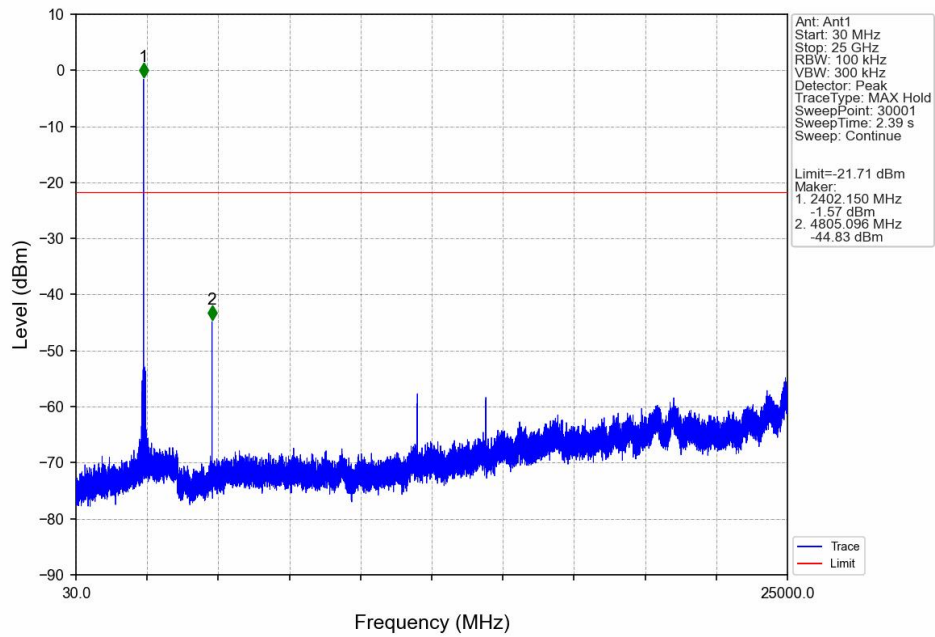
2M\_LCH\_2402MHz\_Ant1\_NTNV



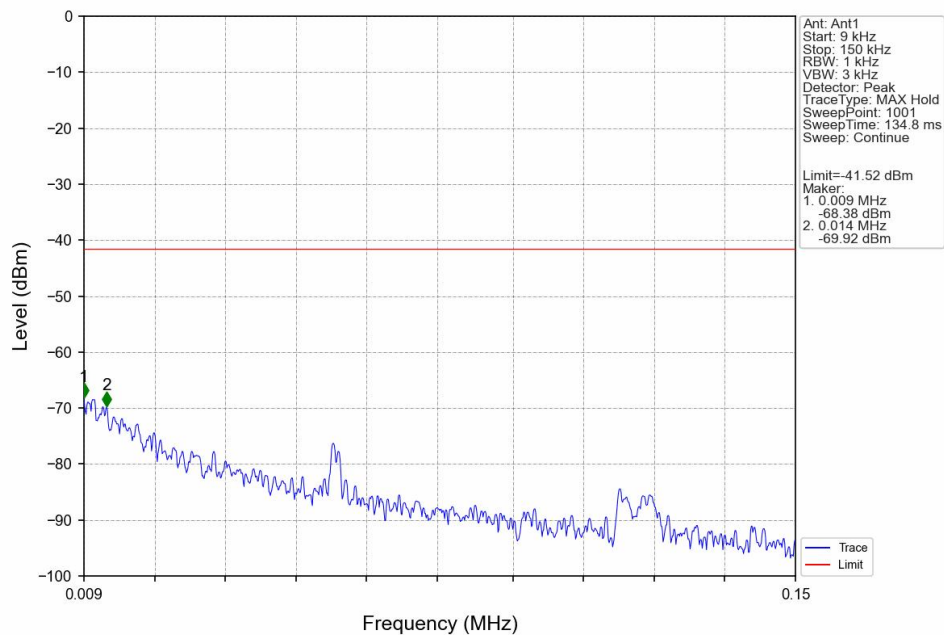
2M\_LCH\_2402MHz\_Ant1\_NTNV



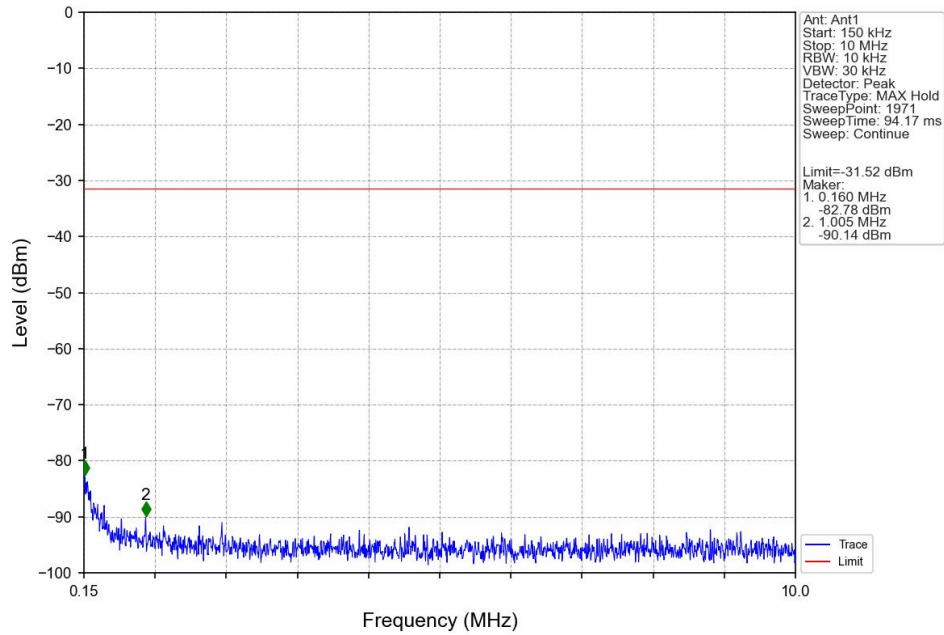
## 2M\_LCH\_2402MHz\_Ant1\_NTNV



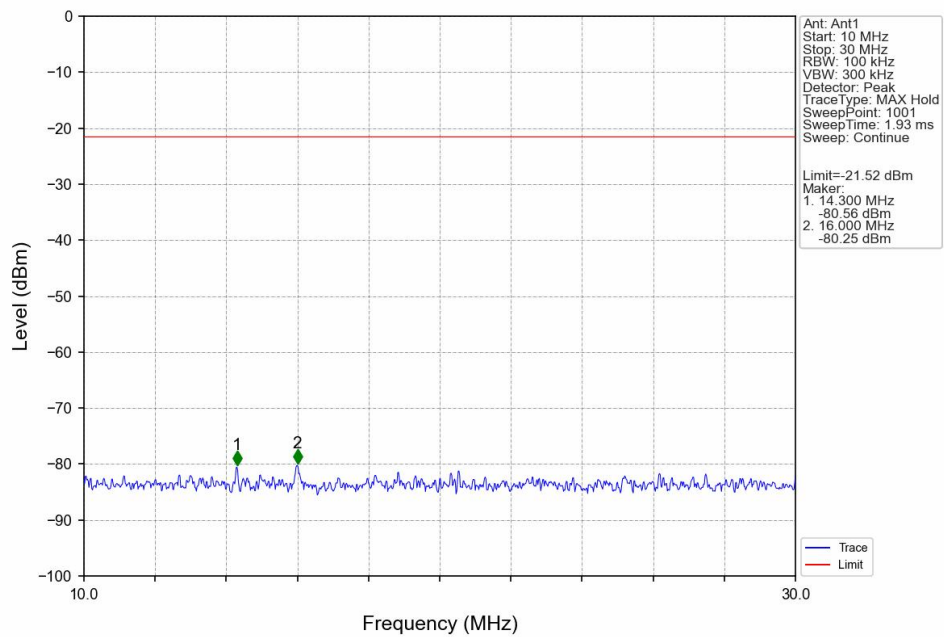
## 2M\_MCH\_2440MHz\_Ant1\_NTNV



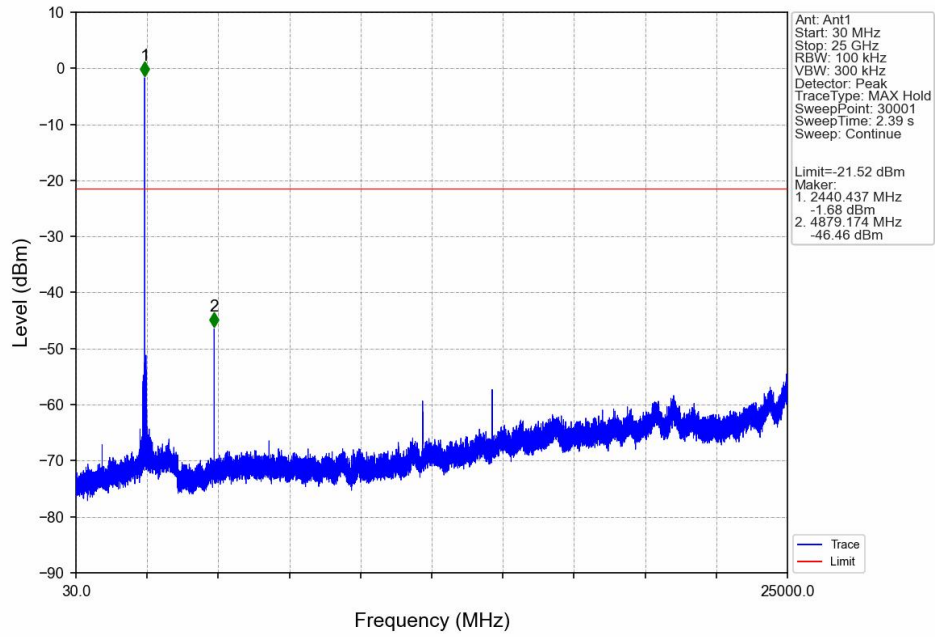
## 2M\_MCH\_2440MHz\_Ant1\_NTNV



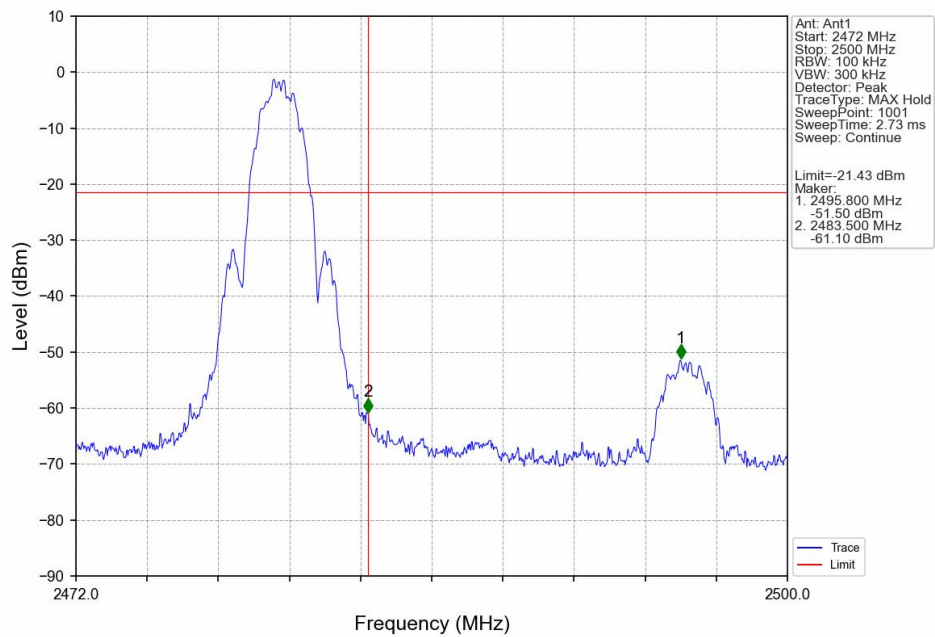
## 2M\_MCH\_2440MHz\_Ant1\_NTNV



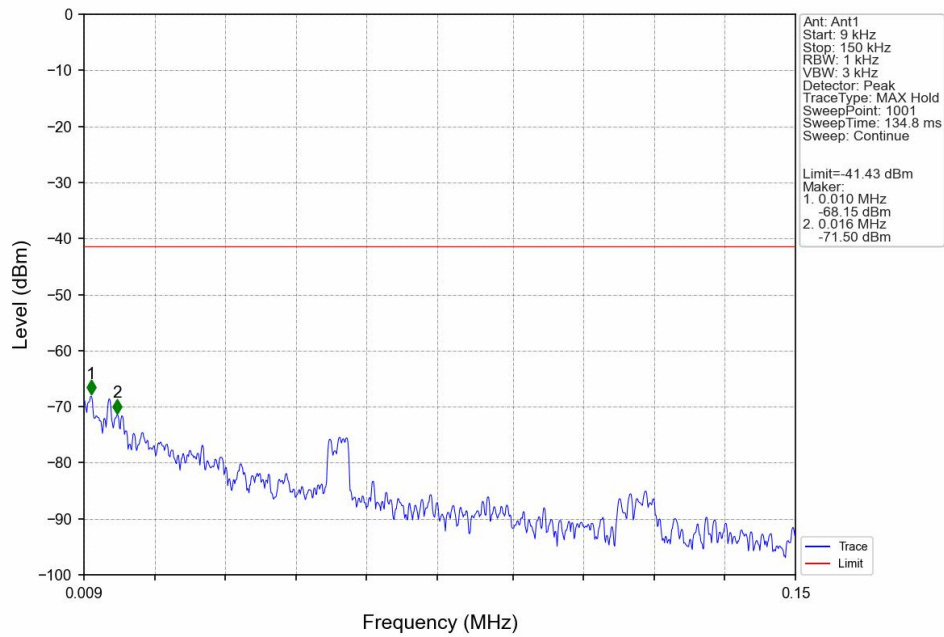
## 2M\_MCH\_2440MHz\_Ant1\_NTNV



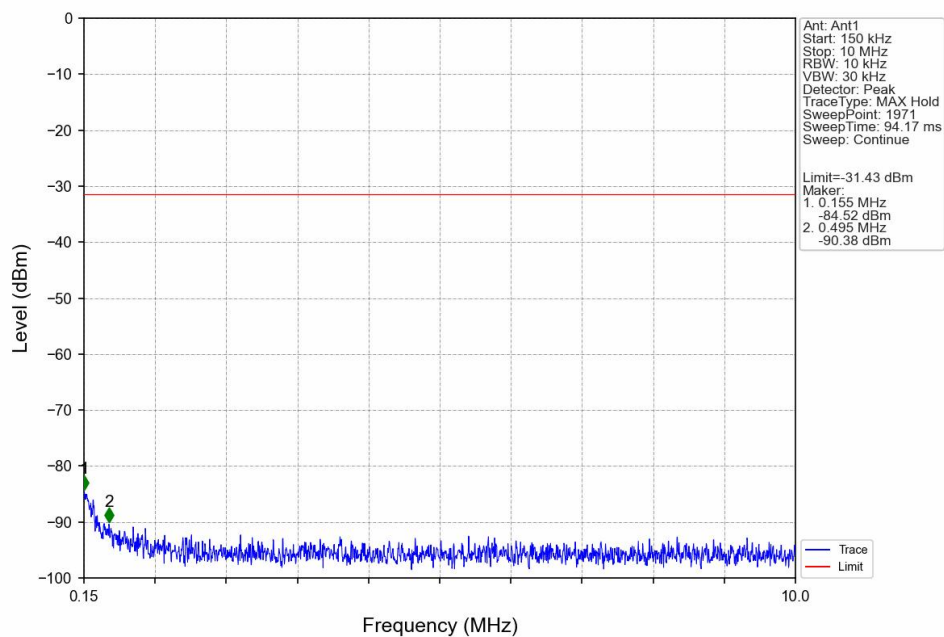
## 2M\_HCH\_2480MHz\_Ant1\_NTNV



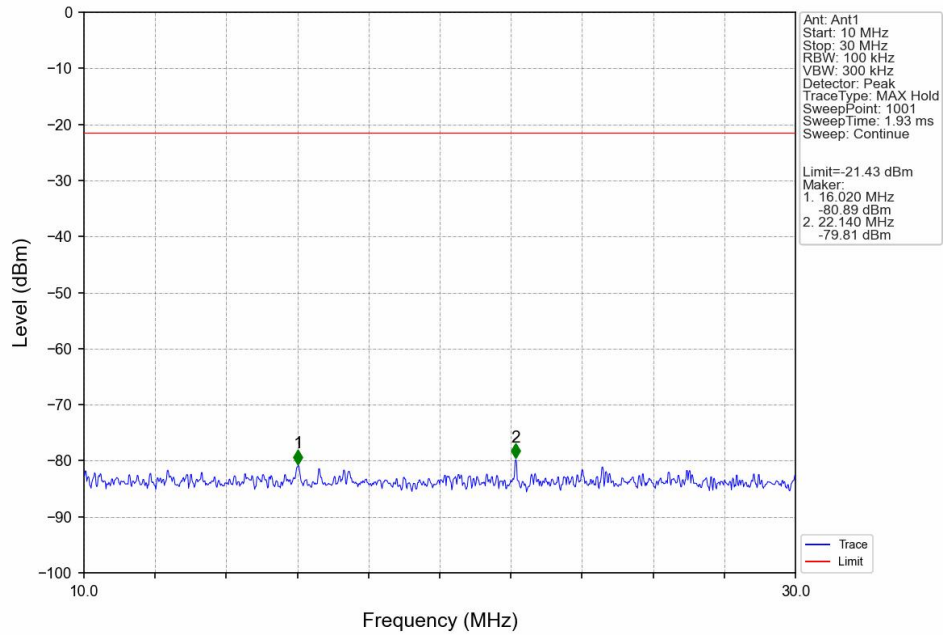
## 2M\_HCH\_2480MHz\_Ant1\_NTNV



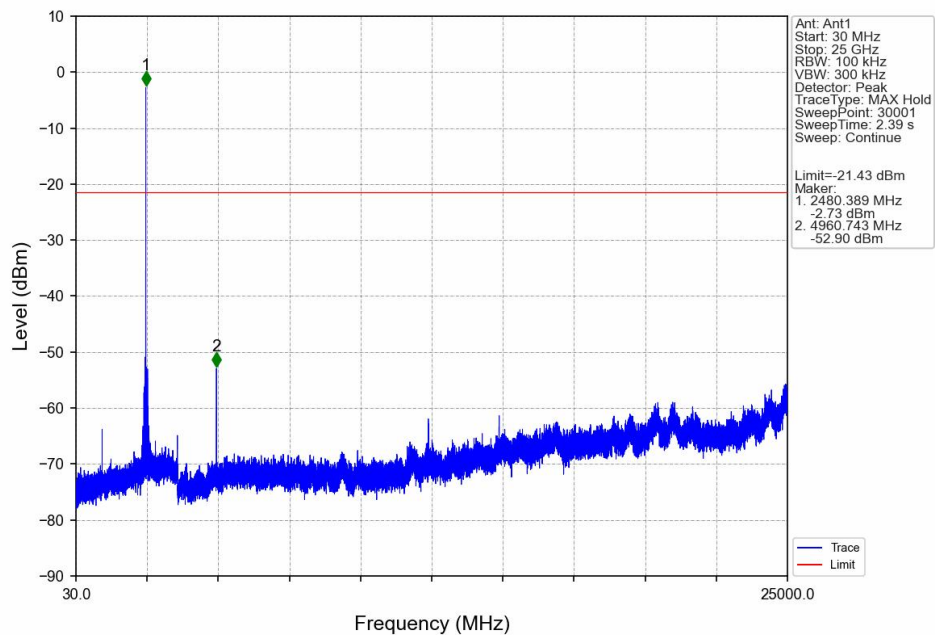
## 2M\_HCH\_2480MHz\_Ant1\_NTNV



## 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            | 0.0015        | 1.82            |



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