

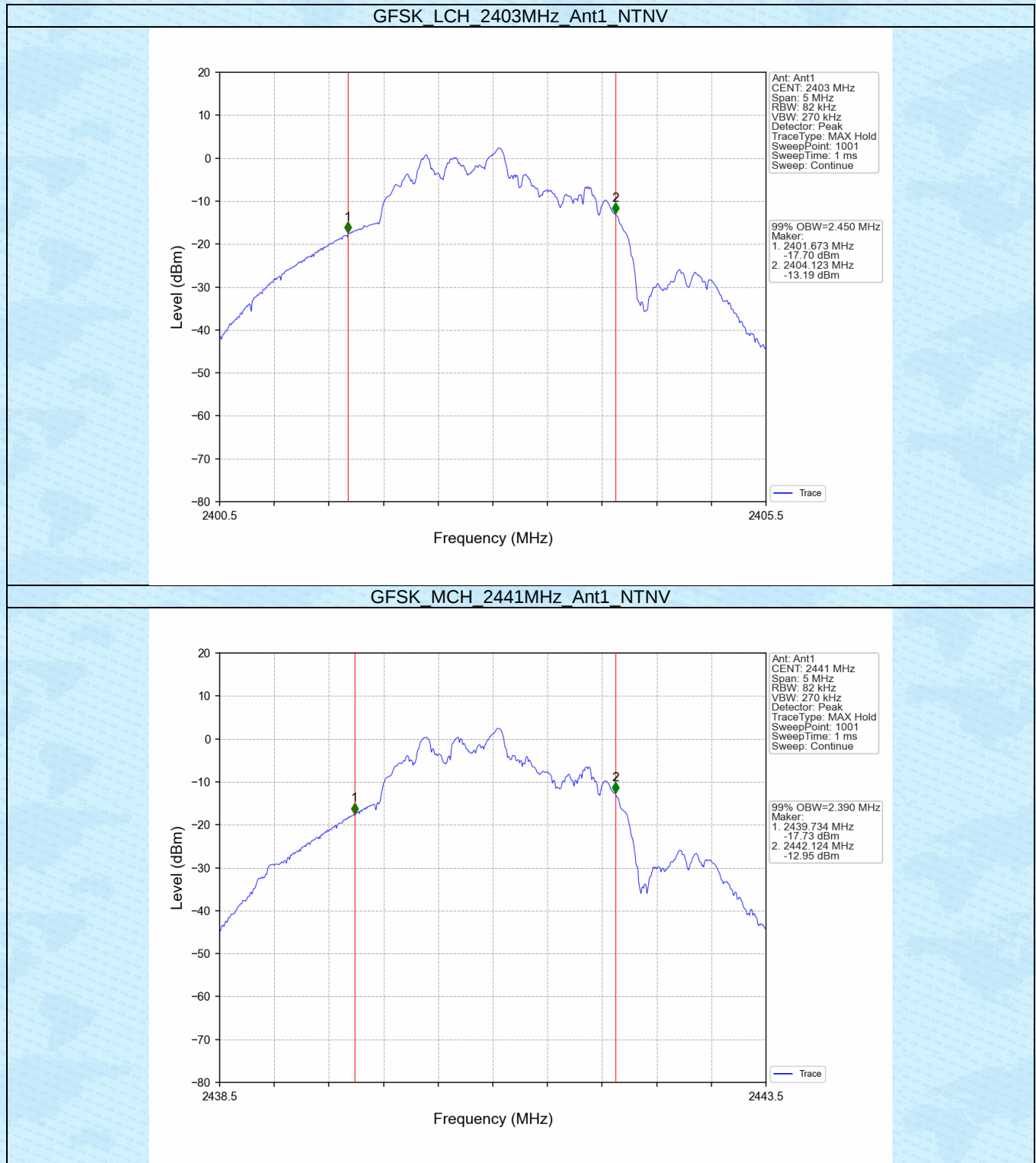
## 1. Bandwidth

### 1.1 OBW

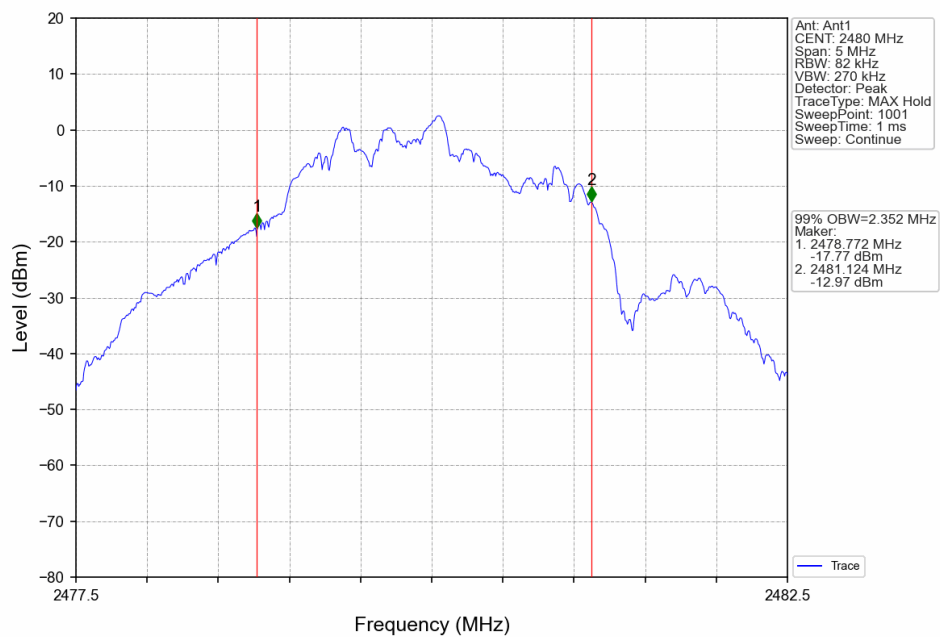
#### 1.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) | Verdict |
|------|---------|-----------------|-----|------------------------------|---------|
|      |         |                 |     | Result                       |         |
| GFSK | SISO    | 2403            | 1   | 2.450                        | Pass    |
|      |         | 2441            | 1   | 2.390                        | Pass    |
|      |         | 2480            | 1   | 2.352                        | Pass    |

## 1.1.2 Test Graph



## GFSK\_HCH\_2480MHz\_Ant1\_NTNV

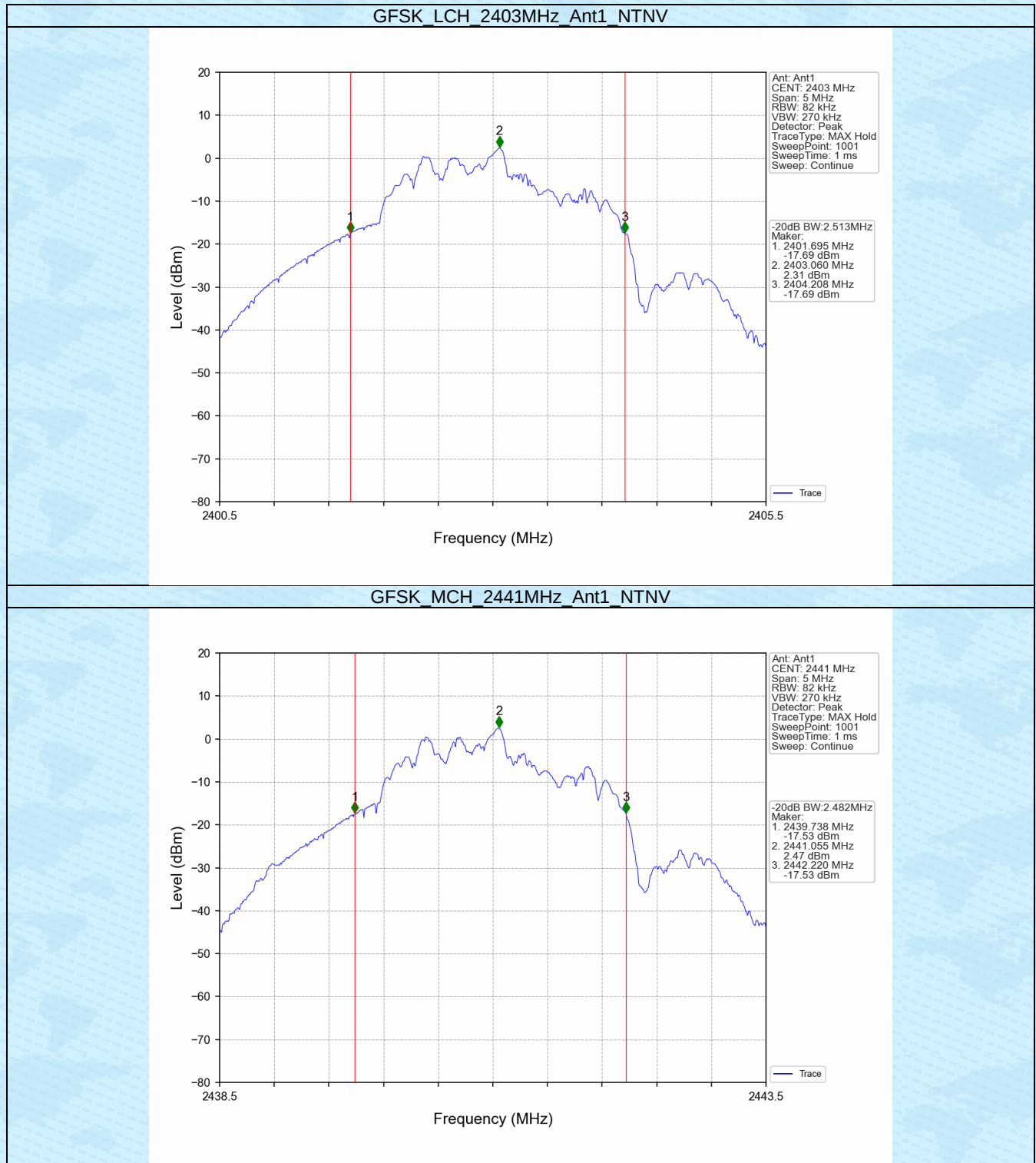


## 1.2 20dB BW

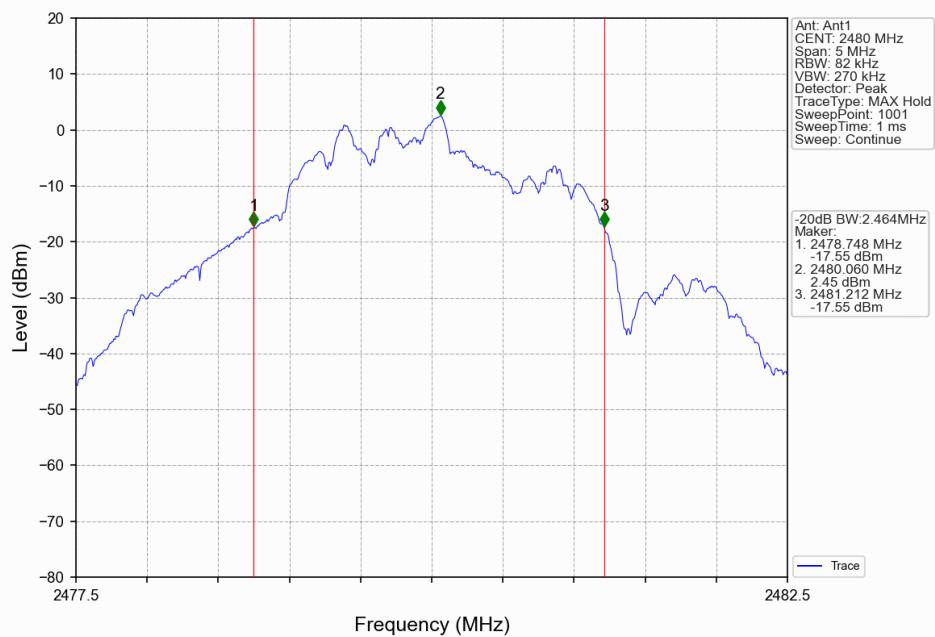
## 1.2.1 Test Result

| Mode | TX Type | Frequency (MHz) | ANT | 20dB Bandwidth (MHz) | Verdict |
|------|---------|-----------------|-----|----------------------|---------|
|      |         |                 |     | Result               |         |
| GFSK | SISO    | 2403            | 1   | 2.513                | Pass    |
|      |         | 2441            | 1   | 2.482                | Pass    |
|      |         | 2480            | 1   | 2.464                | Pass    |

## 1.2.2 Test Graph



## GFSK\_HCH\_2480MHz\_Ant1\_NTNV



## 2. Maximum Conducted Output Power

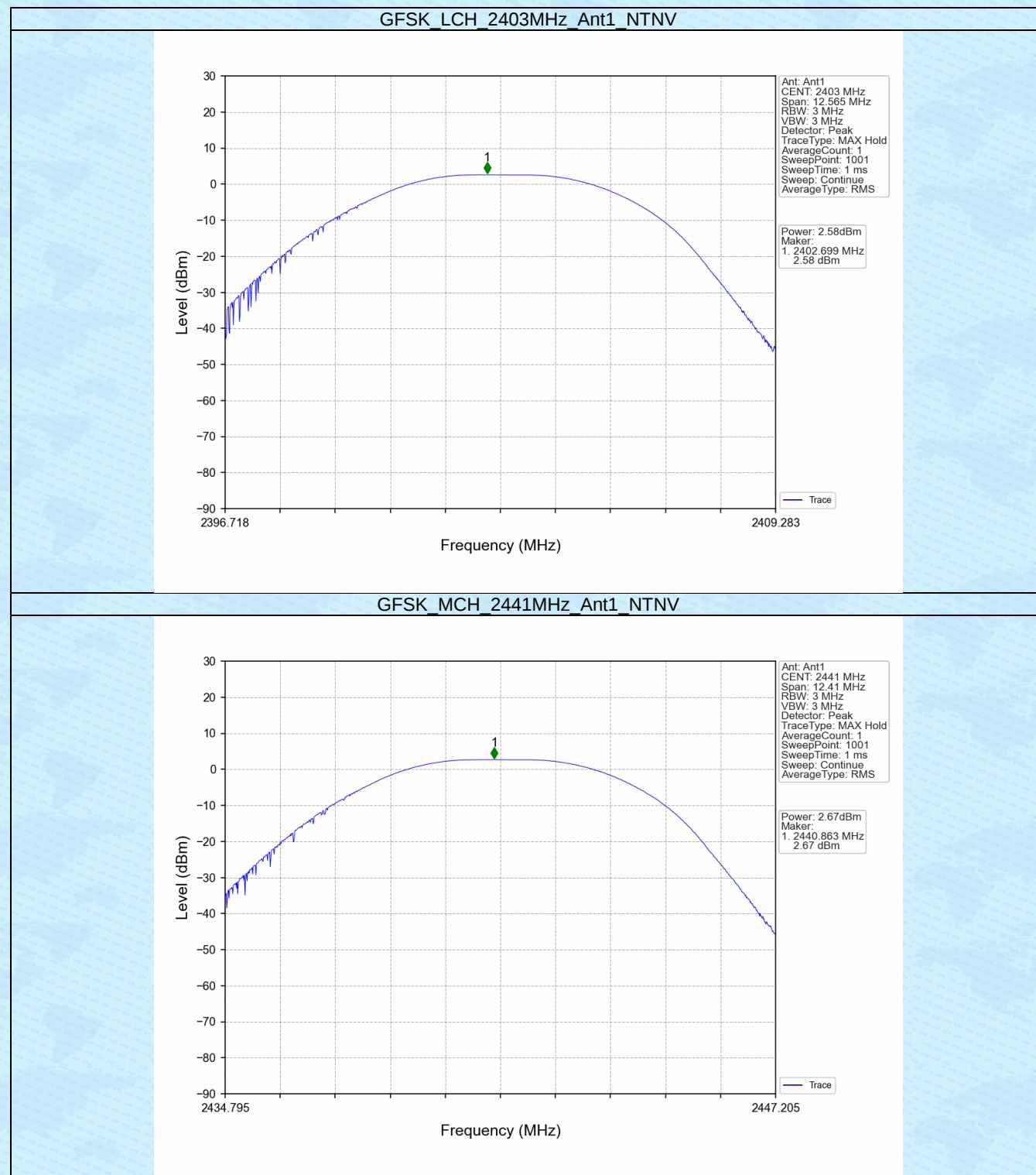
### 2.1 Power

#### 2.1.1 Test Result

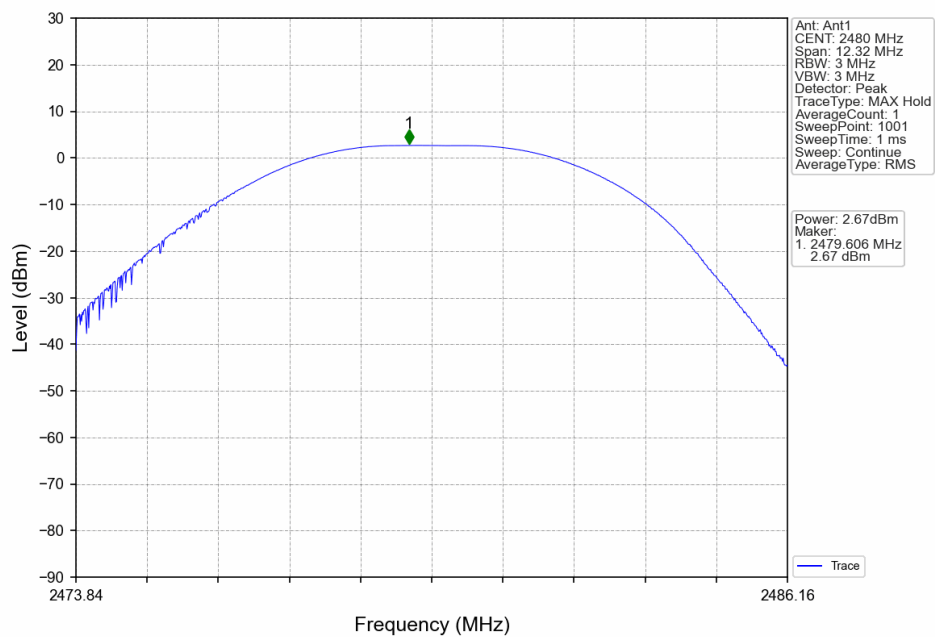
| Mode | TX Type | Frequency (MHz) | Maximum Peak Conducted Output Power (dBm) |         | Verdict |
|------|---------|-----------------|-------------------------------------------|---------|---------|
|      |         |                 | ANT1                                      | Limit   |         |
| GFSK | SISO    | 2403            | 2.58                                      | <=20.97 | Pass    |
|      |         | 2441            | 2.67                                      | <=20.97 | Pass    |
|      |         | 2480            | 2.67                                      | <=20.97 | Pass    |

Note1: Antenna Gain: Ant1: 2.58dBi;

## 2.1.2 Test Graph



## GFSK\_HCH\_2480MHz\_Ant1\_NTNV



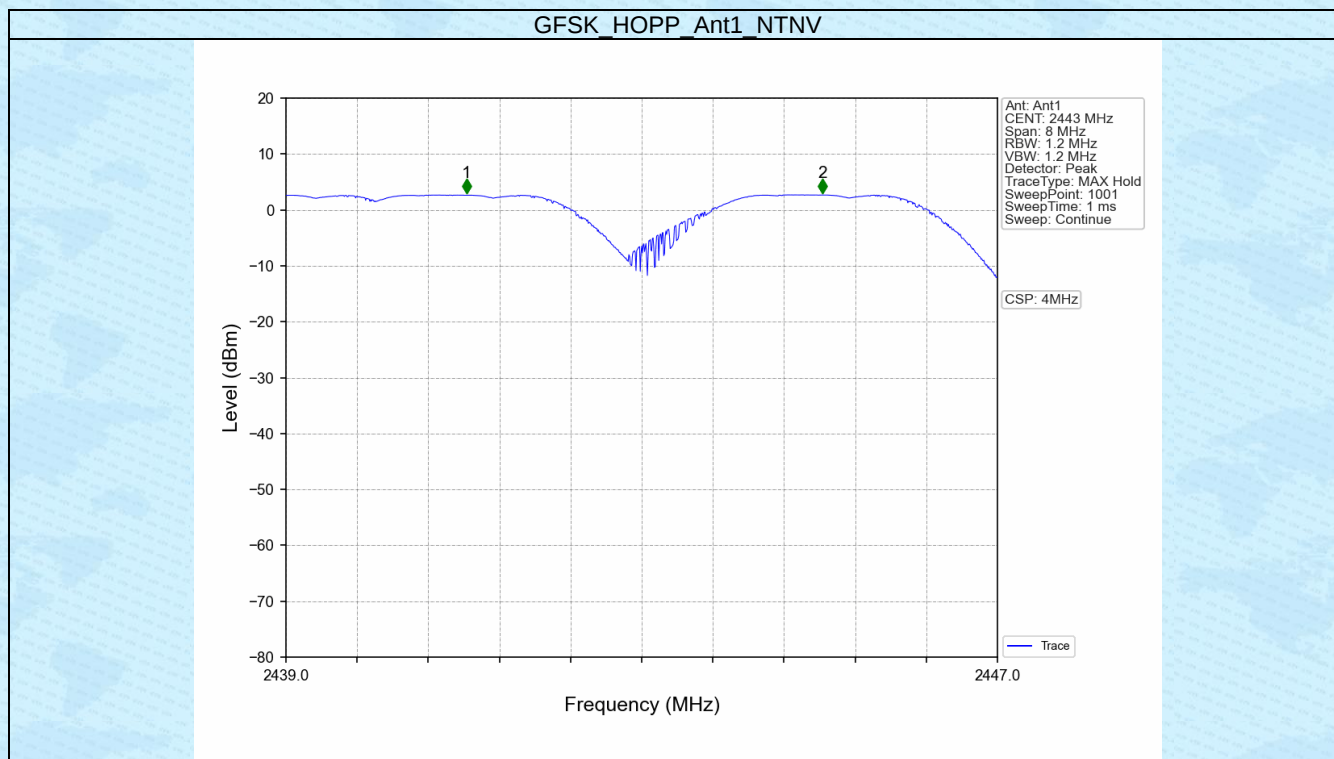
### 3. Carrier Frequency Separation

#### 3.1 Ant1

##### 3.1.1 Test Result

| Ant1 |         |                 |                          |                      |              |         |
|------|---------|-----------------|--------------------------|----------------------|--------------|---------|
| Mode | TX Type | Frequency (MHz) | Channel Separation (MHz) | 20dB Bandwidth (MHz) | Limit (MHz)  | Verdict |
| GFSK | SISO    | HOPP            | 4.000                    | 2.513                | $\geq 1.675$ | Pass    |

## 3.1.2 Test Graph



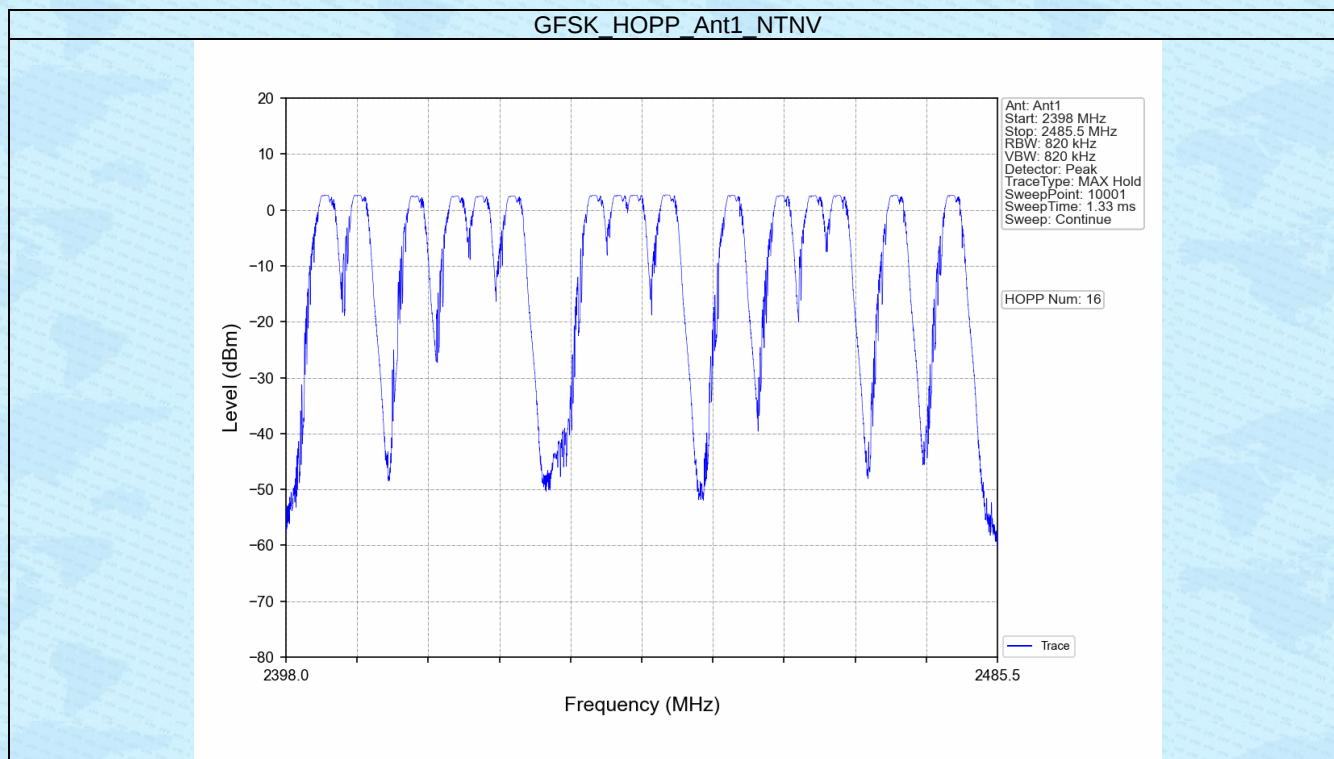
## 4. Number of Hopping Frequencies

### 4.1 HoppNum

#### 4.1.1 Test Result

| Mode | TX<br>Type | Frequency<br>(MHz) | Num of Hopping Frequencies |       | Verdict |
|------|------------|--------------------|----------------------------|-------|---------|
|      |            |                    | ANT1                       | Limit |         |
| GFSK | SISO       | HOPP               | 16                         | >=15  | Pass    |

## 4.1.2 Test Graph



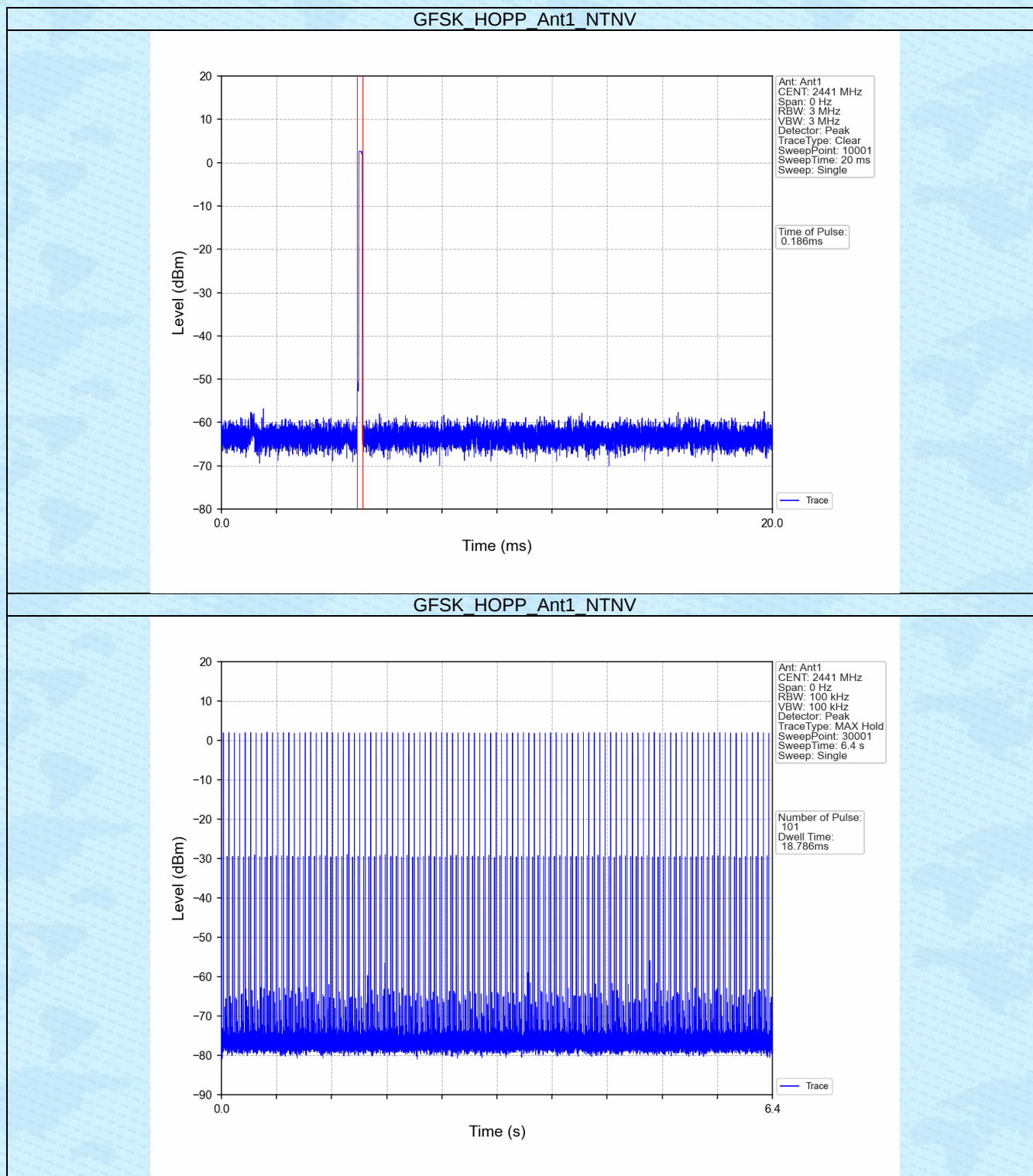
## 5. Time of Occupancy (Dwell Time)

### 5.1 Ant1

#### 5.1.1 Test Result

| Ant1 |         |                 |                               |                        |                                    |                 |            |         |
|------|---------|-----------------|-------------------------------|------------------------|------------------------------------|-----------------|------------|---------|
| Mode | TX Type | Frequency (MHz) | Duration of Single Pulse (ms) | Observation Period (s) | Num of Pulse in Observation Period | Dwell Time (ms) | Limit (ms) | Verdict |
| GFSK | SISO    | HOPP            | 0.186                         | 6.400                  | 101                                | 18.786          | <=400      | Warning |

## 5.1.2 Test Graph



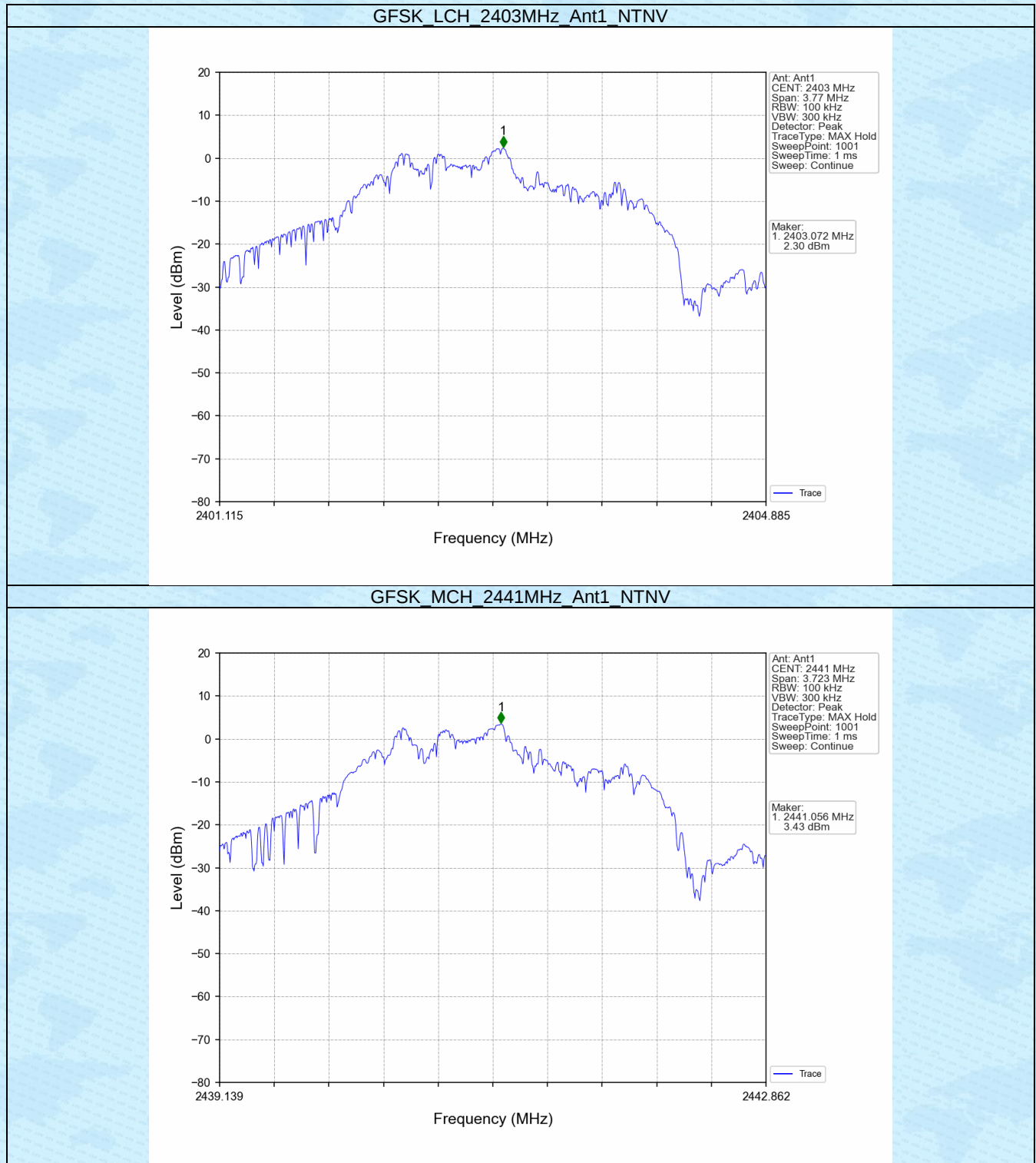
## 6. Unwanted Emissions In Non-restricted Frequency Bands

### 6.1 Ref

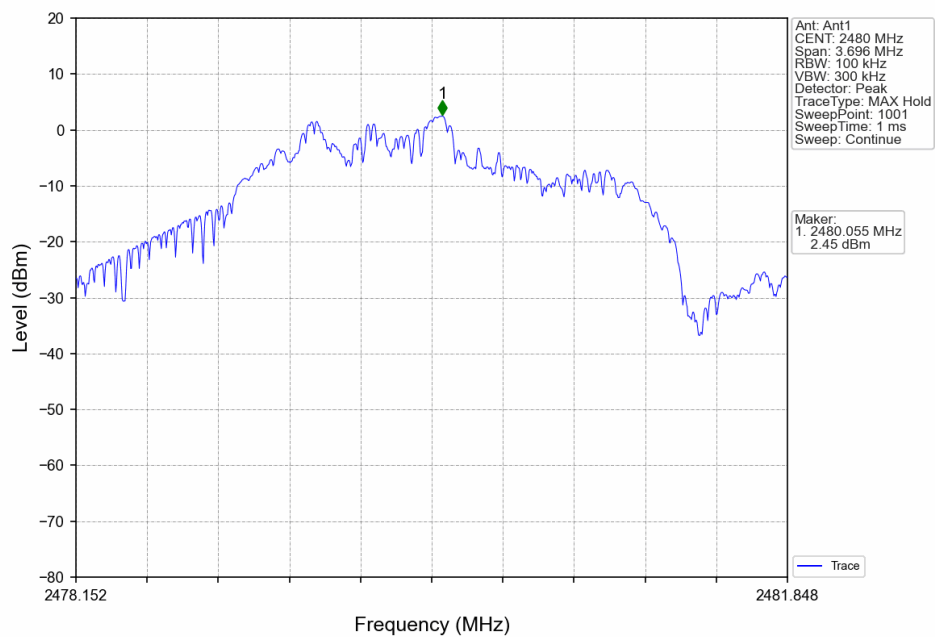
#### 6.1.1 Test Result

| Mode                                                                                                                                            | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-----|--------------------------|
| GFSK                                                                                                                                            | SISO    | 2403            | 1   | 2.30                     |
|                                                                                                                                                 |         | 2441            | 1   | 3.43                     |
|                                                                                                                                                 |         | 2480            | 1   | 2.45                     |
| 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. |         |                 |     |                          |

## 6.1.2 Test Graph



## GFSK\_HCH\_2480MHz\_Ant1\_NTNV



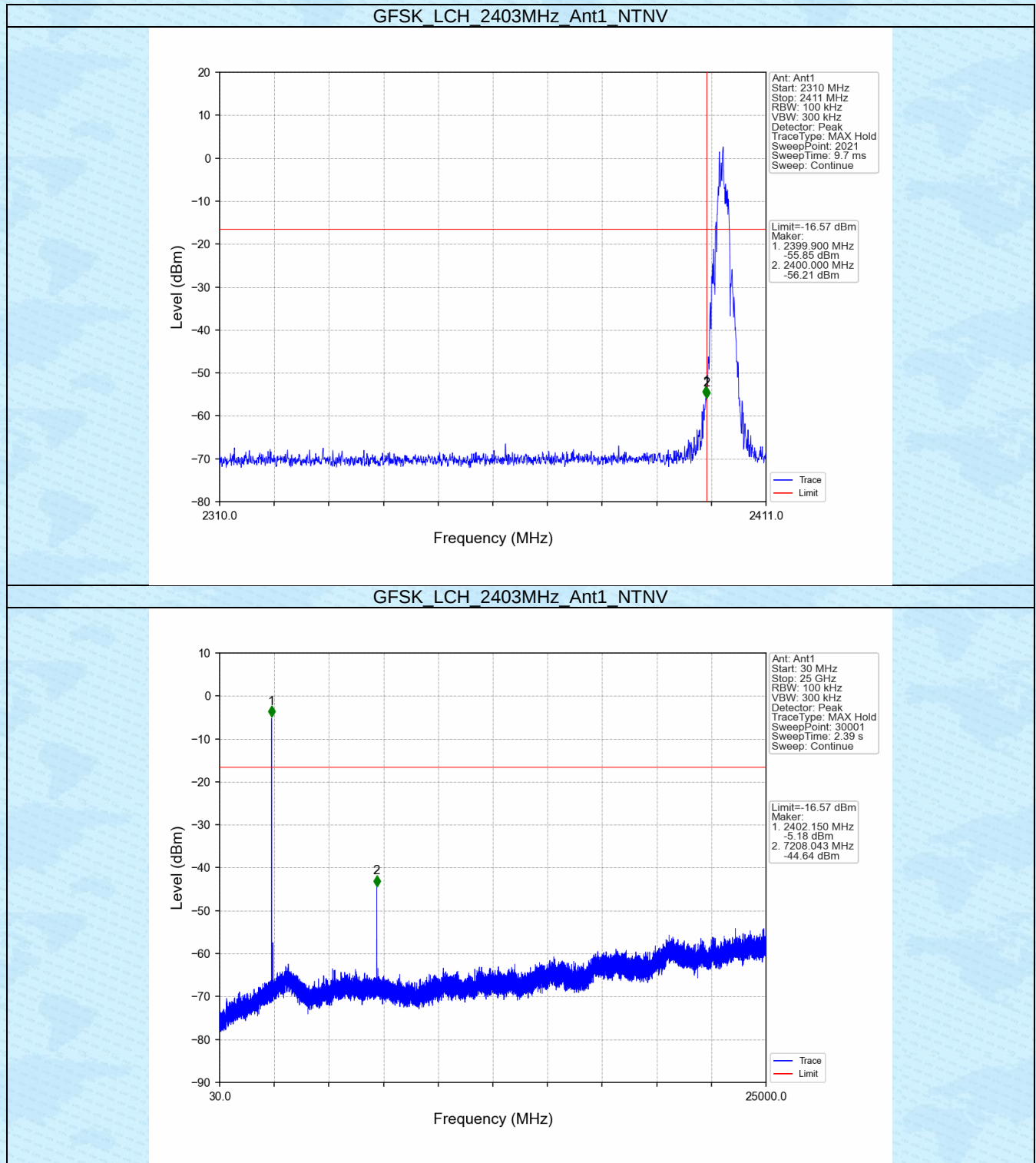
## 6.2 CSE

### 6.2.1 Test Result

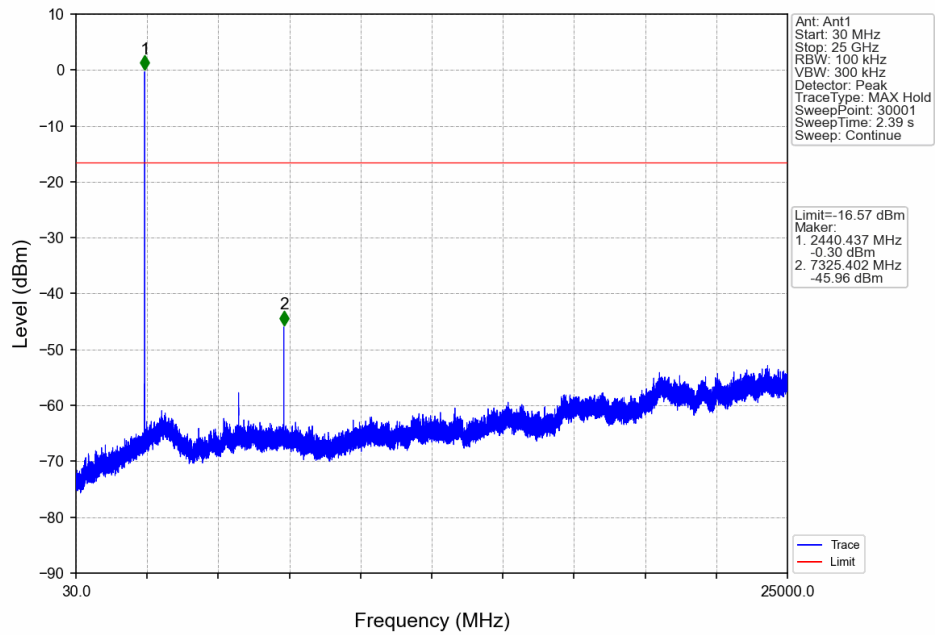
| Mode | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|------|---------|-----------------|-----|--------------------------|-------------|---------|
| GFSK | SISO    | 2403            | 1   | 3.43                     | -16.57      | Pass    |
|      |         | 2441            | 1   | 3.43                     | -16.57      | Pass    |
|      |         | 2480            | 1   | 3.43                     | -16.57      | Pass    |
|      |         | HOPP            | 1   | 3.43                     | -16.57      | 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.

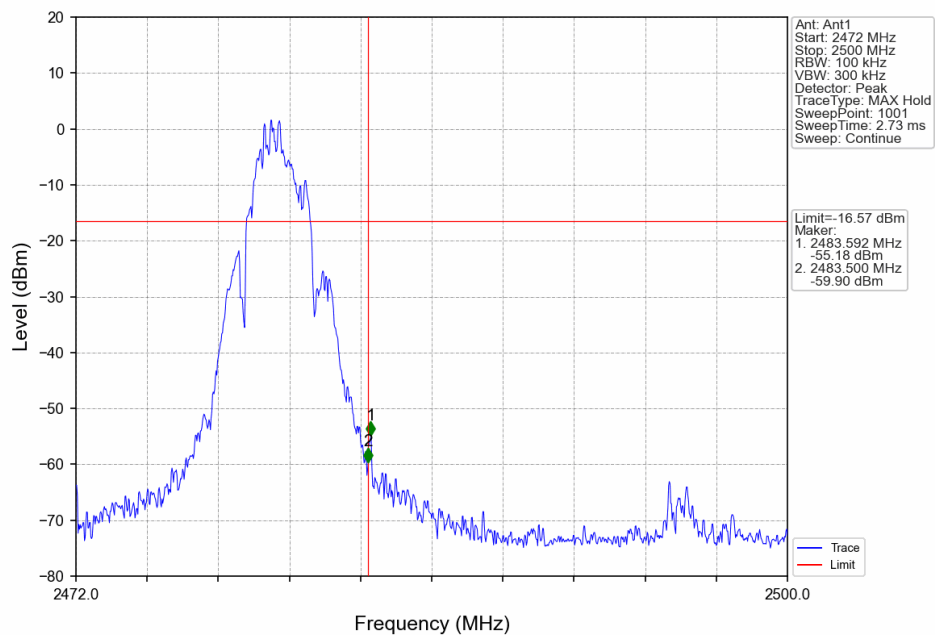
## 6.2.2 Test Graph



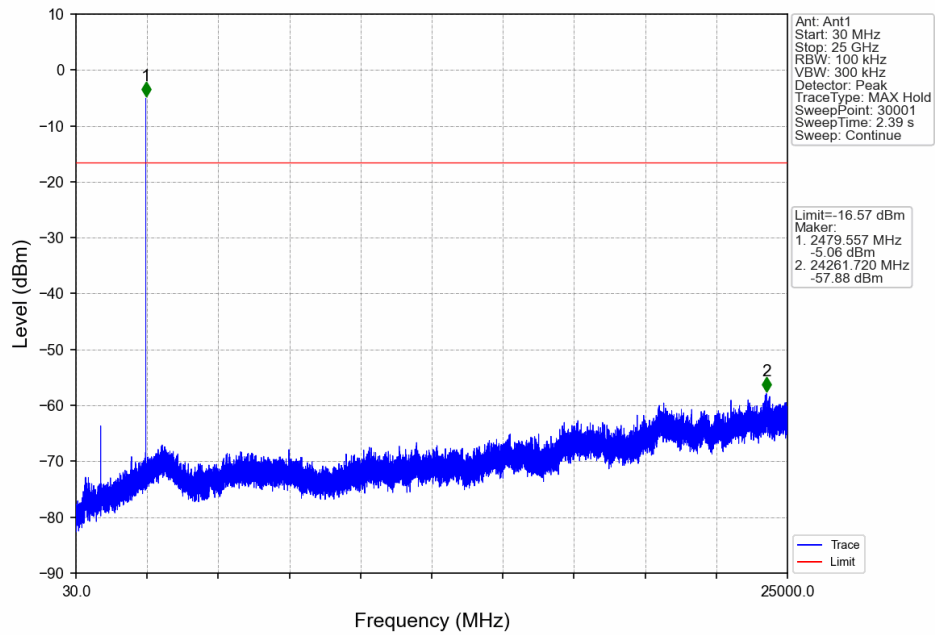
## GFSK\_MCH\_2441MHz\_Ant1\_NTNV



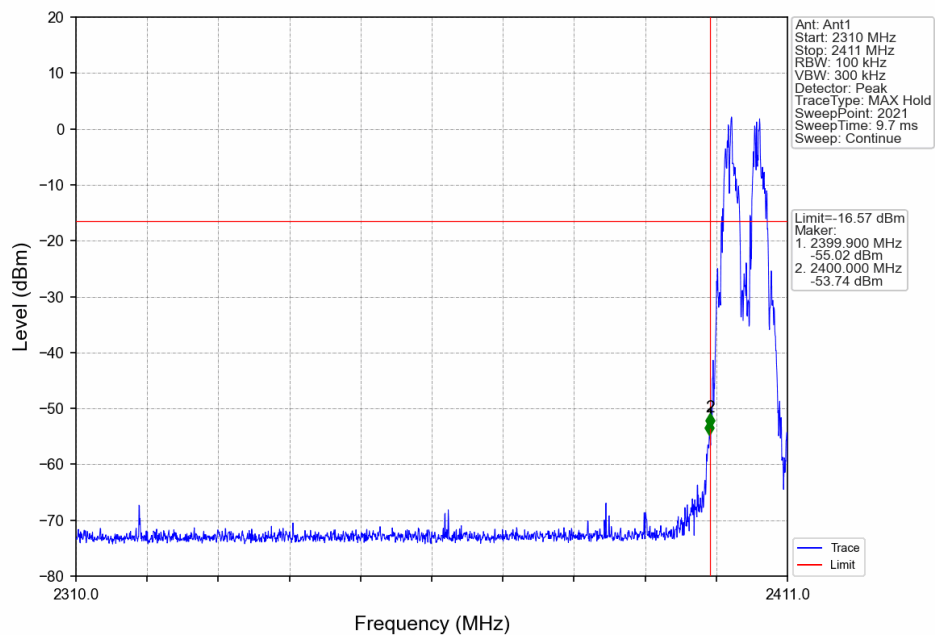
## GFSK\_HCH\_2480MHz\_Ant1\_NTNV

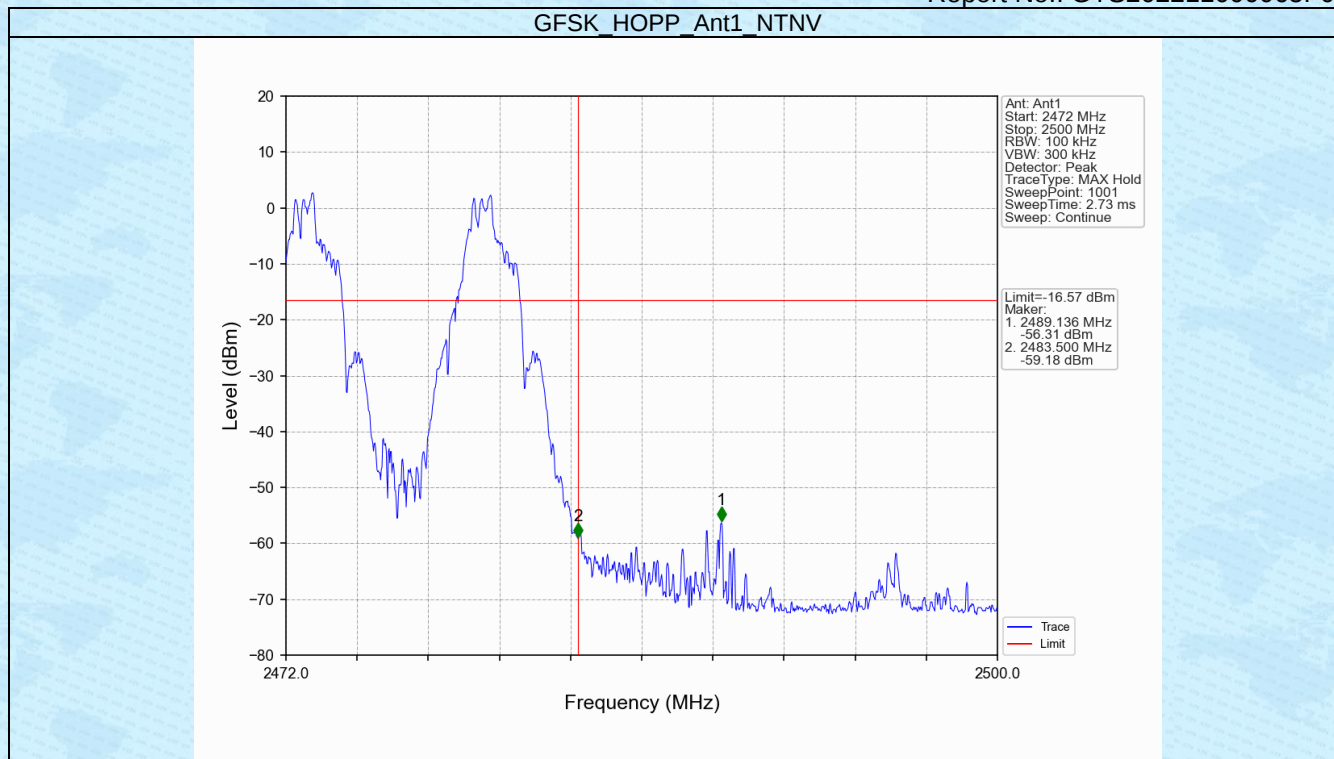


## GFSK\_HCH\_2480MHz\_Ant1\_NTNV



## GFSK\_HOPP\_Ant1\_NTNV





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