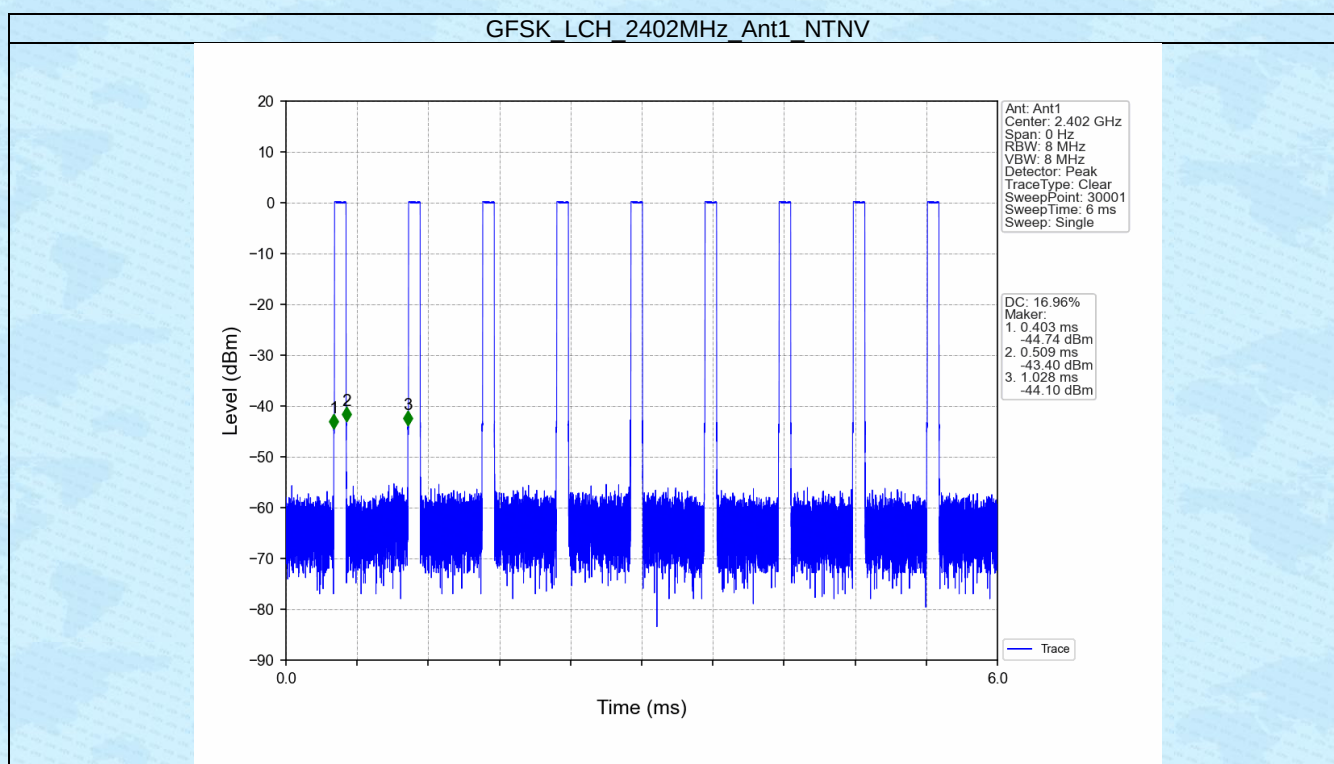


## 1. Duty Cycle

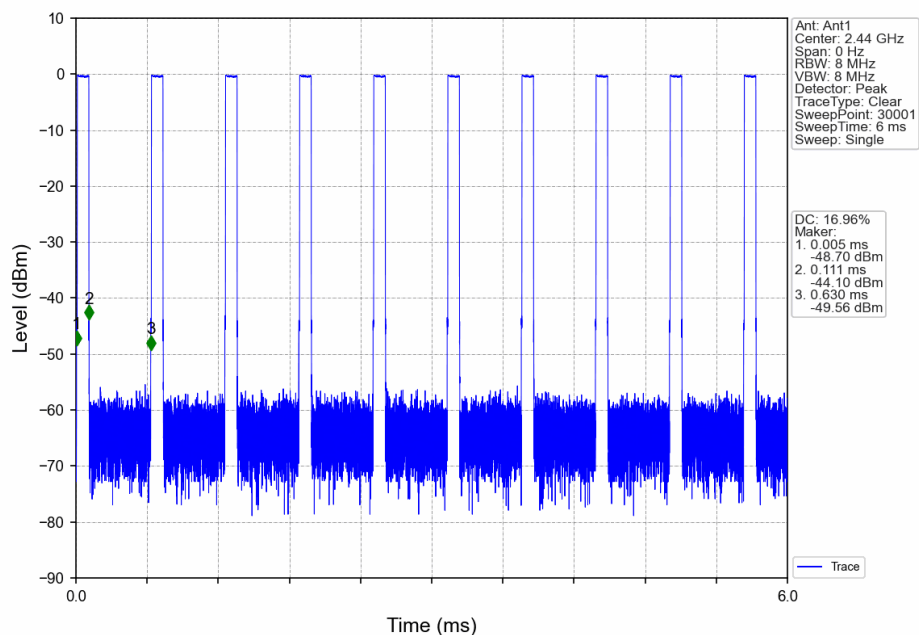
### 1.1 Test Result

| Ant1 |         |                 |           |             |                |                                   |
|------|---------|-----------------|-----------|-------------|----------------|-----------------------------------|
| Mode | Tx Type | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) |
| GFSK | SISO    | 2402            | 0.106     | 0.625       | 16.96          | 7.71                              |
|      |         | 2440            | 0.106     | 0.625       | 16.96          | 7.71                              |
|      |         | 2480            | 0.105     | 0.625       | 16.80          | 7.75                              |

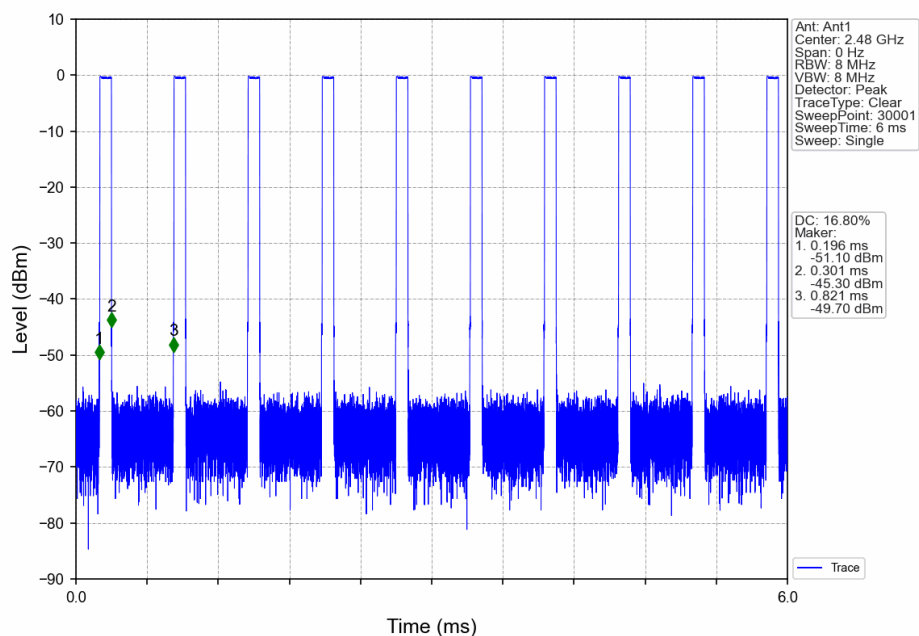
### 2 Test Graph



GFSK\_MCH\_2440MHz\_Ant1\_NTNV



GFSK\_HCH\_2480MHz\_Ant1\_NTNV



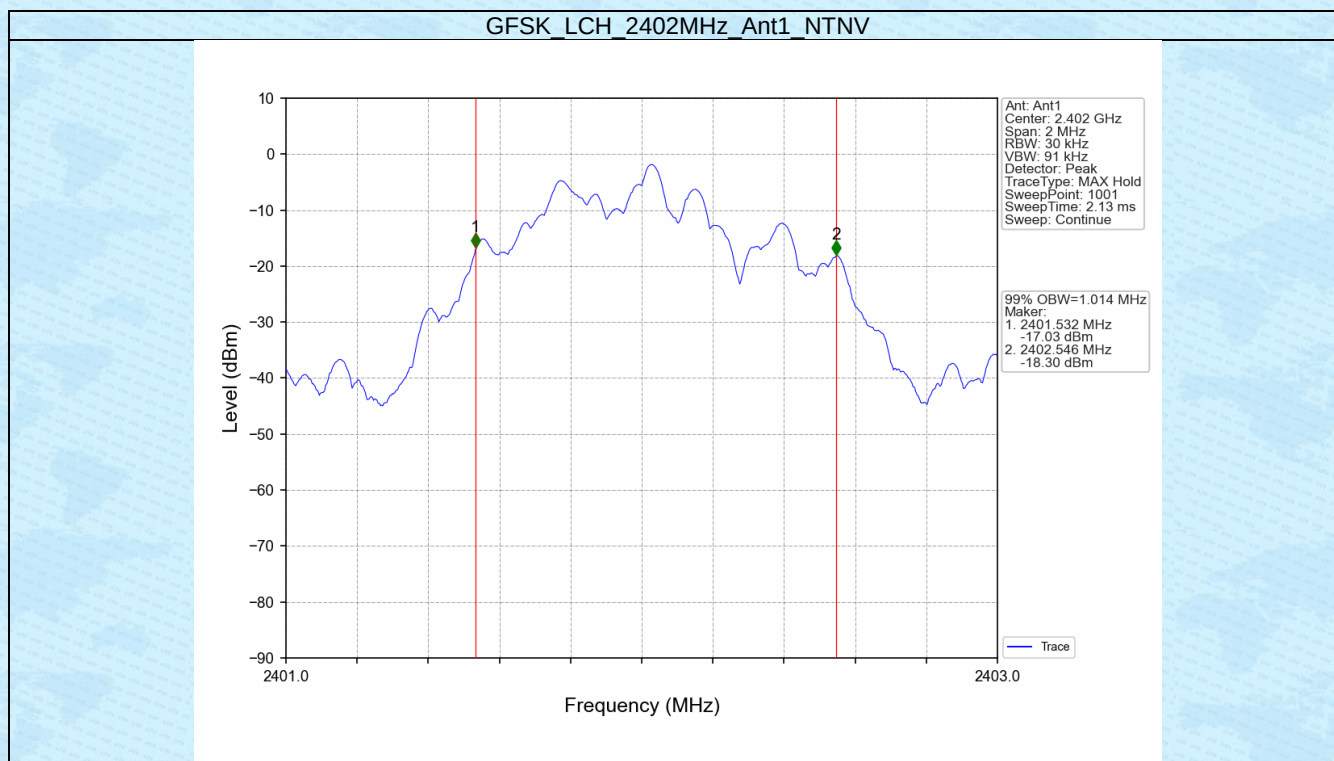
## 2. Bandwidth

### 2.1 OBW

#### 2.1.1 Test Result

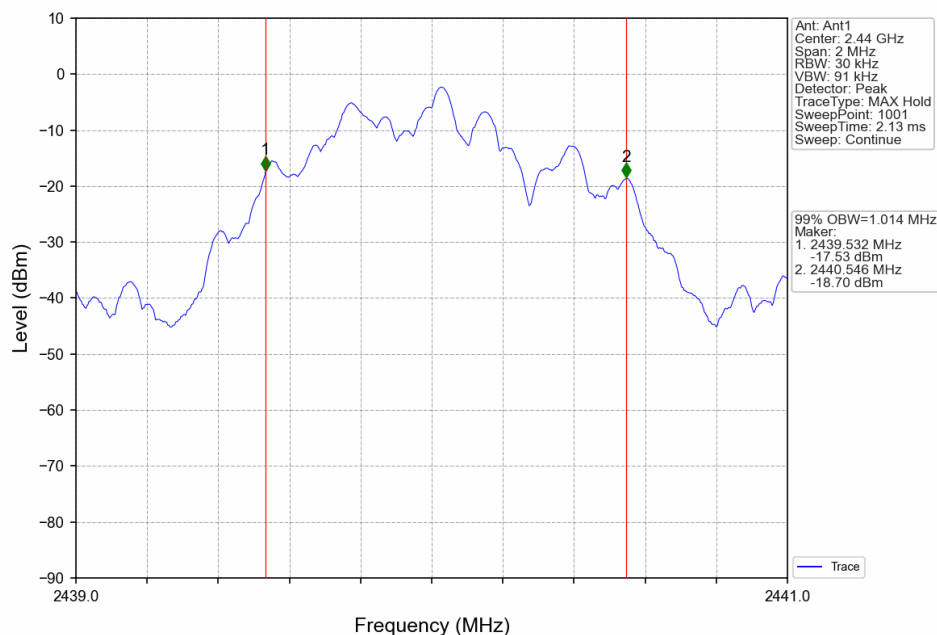
| Mode | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) | Verdict |
|------|---------|-----------------|-----|------------------------------|---------|
|      |         |                 |     | Result                       |         |
| GFSK | SISO    | 2402            | 1   | 1.014                        | Pass    |
|      |         | 2440            | 1   | 1.014                        | Pass    |
|      |         | 2480            | 1   | 1.014                        | Pass    |

#### 2.1.2 Test Graph

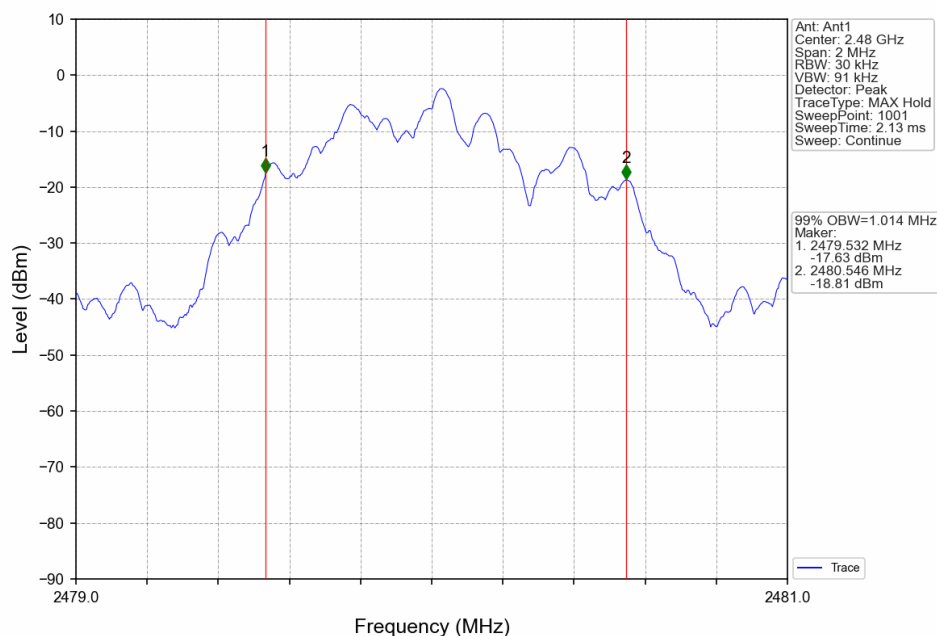




GFSK\_MCH\_2440MHz\_Ant1\_NTNV



GFSK\_HCH\_2480MHz\_Ant1\_NTNV

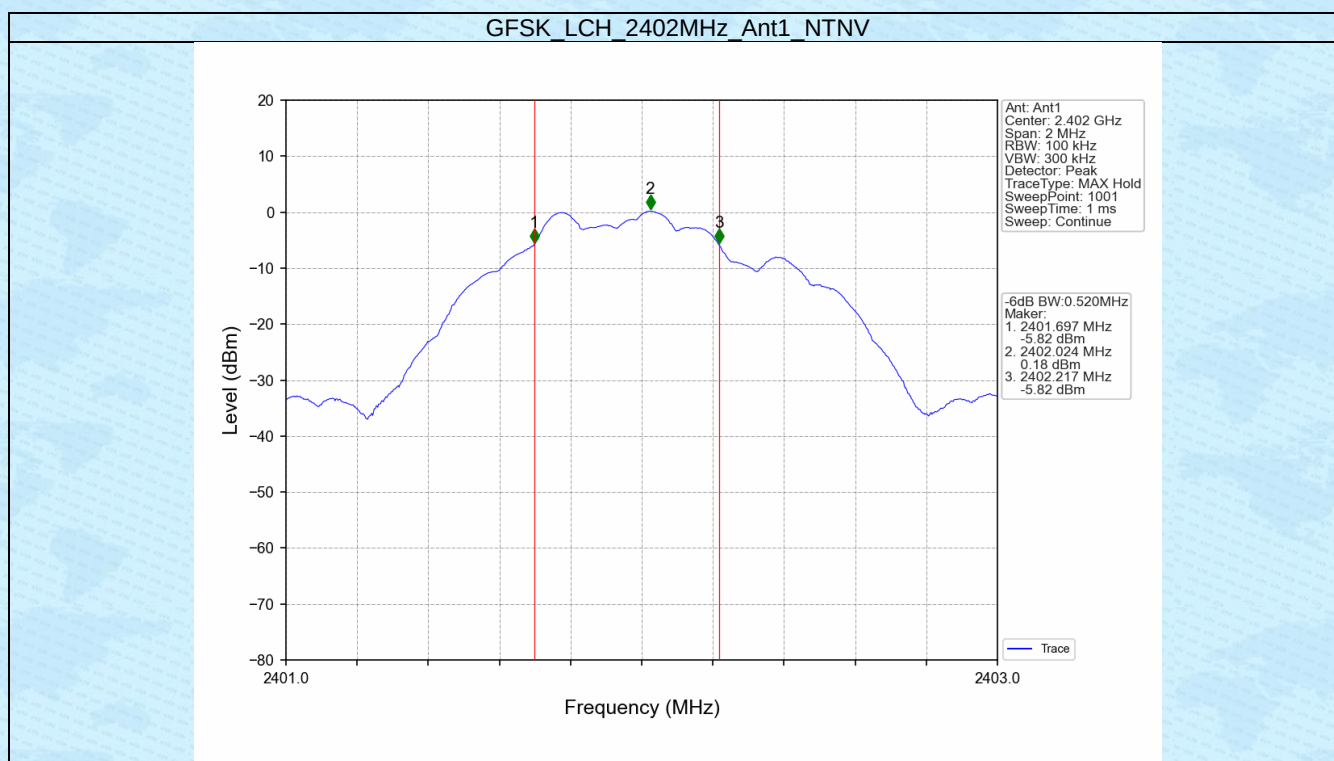


## 2.2 6dB BW

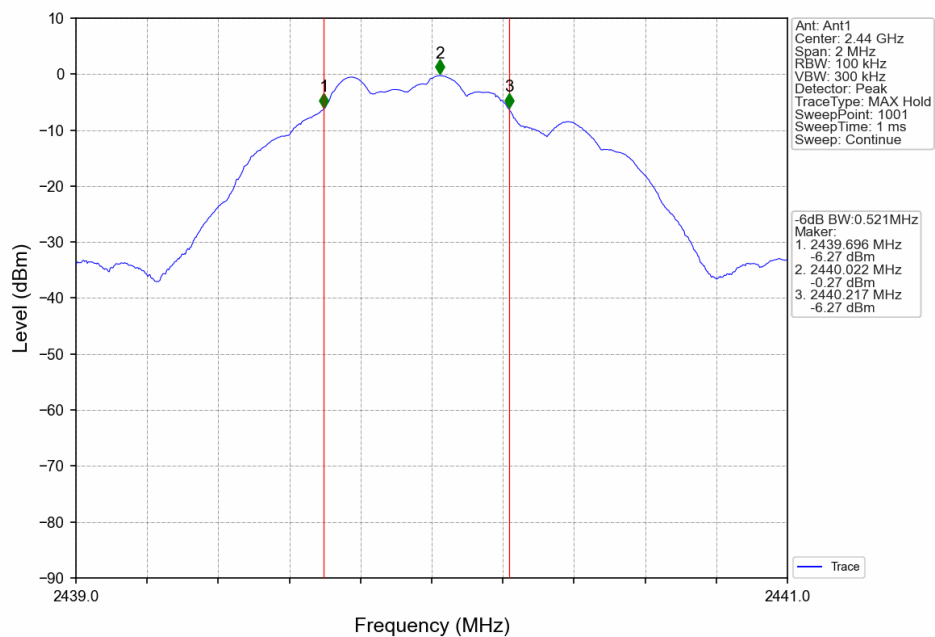
### 2.2.1 Test Result

| Mode | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) |            | Verdict |
|------|---------|-----------------|-----|---------------------|------------|---------|
|      |         |                 |     | Result              | Limit      |         |
| GFSK | SISO    | 2402            | 1   | 0.520               | $\geq 0.5$ | Pass    |
|      |         | 2440            | 1   | 0.521               | $\geq 0.5$ | Pass    |
|      |         | 2480            | 1   | 0.520               | $\geq 0.5$ | Pass    |

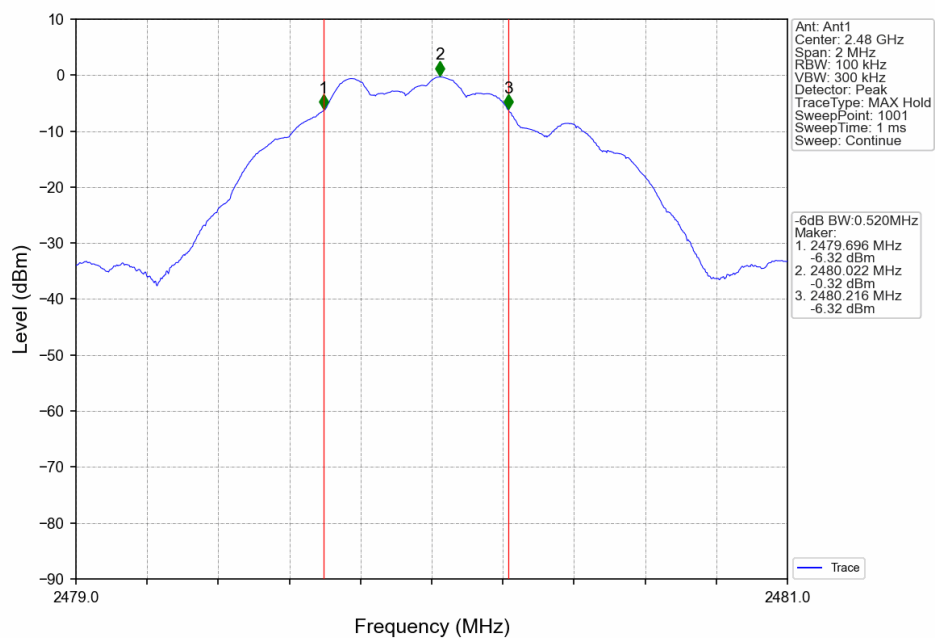
### 2.2.2 Test Graph



GFSK\_MCH\_2440MHz\_Ant1\_NTNV



GFSK\_HCH\_2480MHz\_Ant1\_NTNV





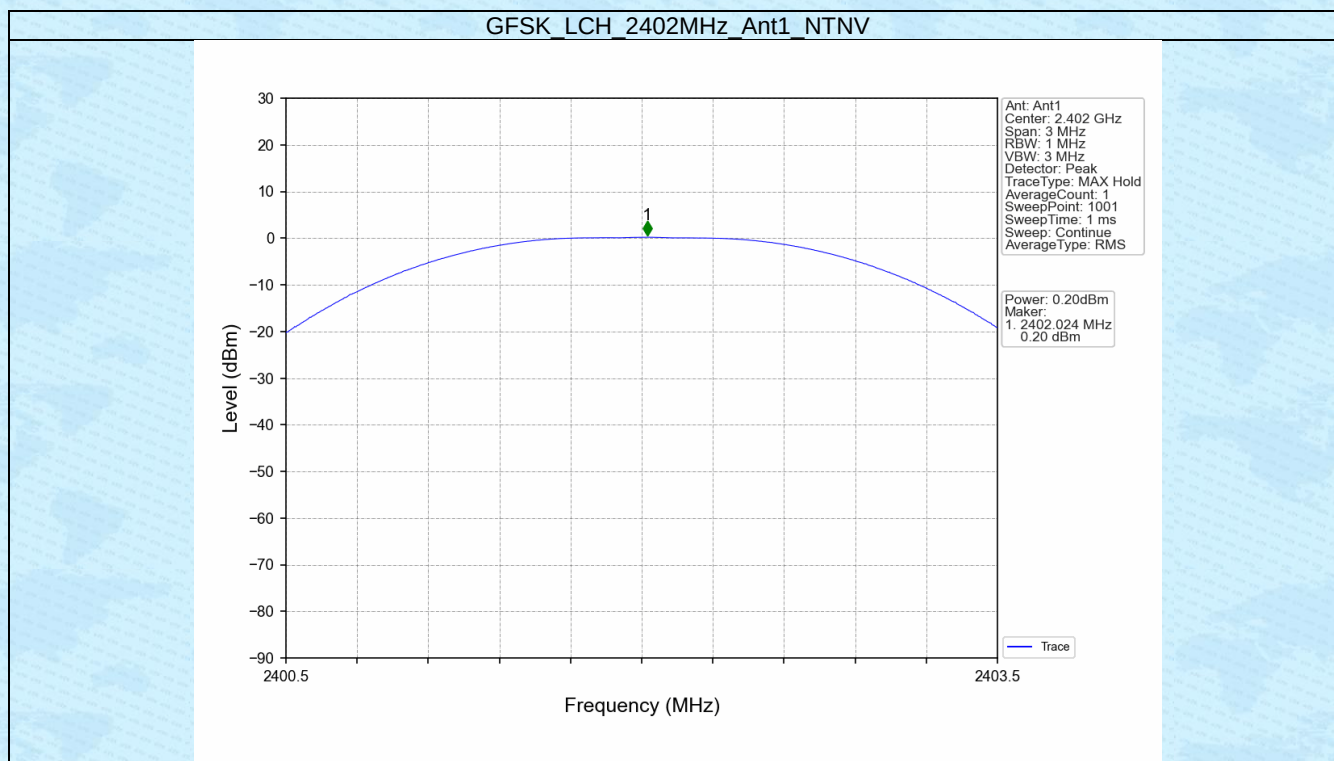
## 3. Maximum Conducted Output Power

### 3.1 Test Result

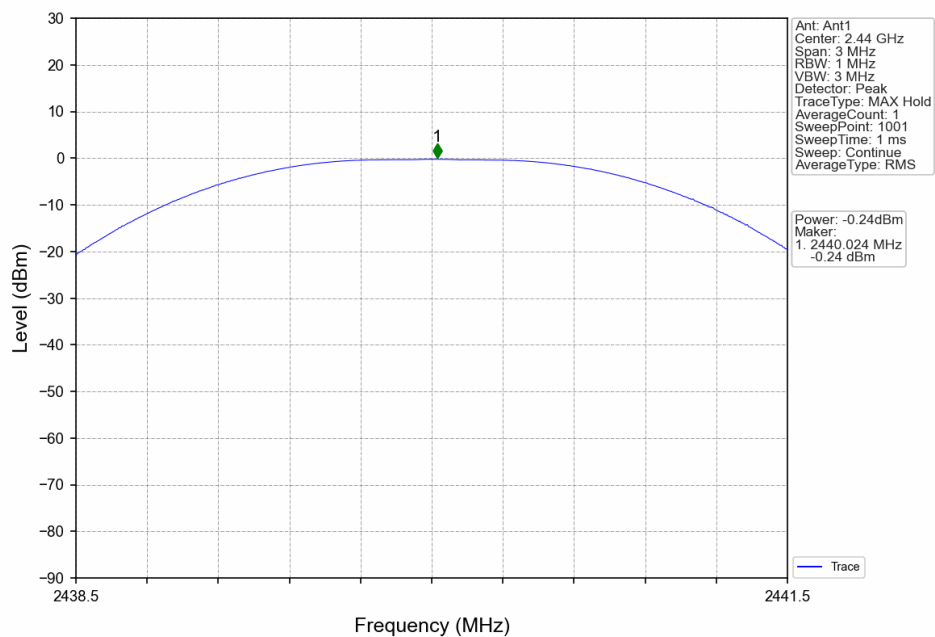
| Mode | TX Type | Frequency (MHz) | Maximum Peak Conducted Output Power (dBm) |            | Verdict |
|------|---------|-----------------|-------------------------------------------|------------|---------|
|      |         |                 | ANT1                                      | Limit      |         |
| GFSK | SISO    | 2402            | 0.20                                      | $\leq -30$ | Pass    |
|      |         | 2440            | -0.24                                     | $\leq -30$ | Pass    |
|      |         | 2480            | -0.29                                     | $\leq -30$ | Pass    |

Note1: Antenna Gain: Ant1: 1.94dBi;

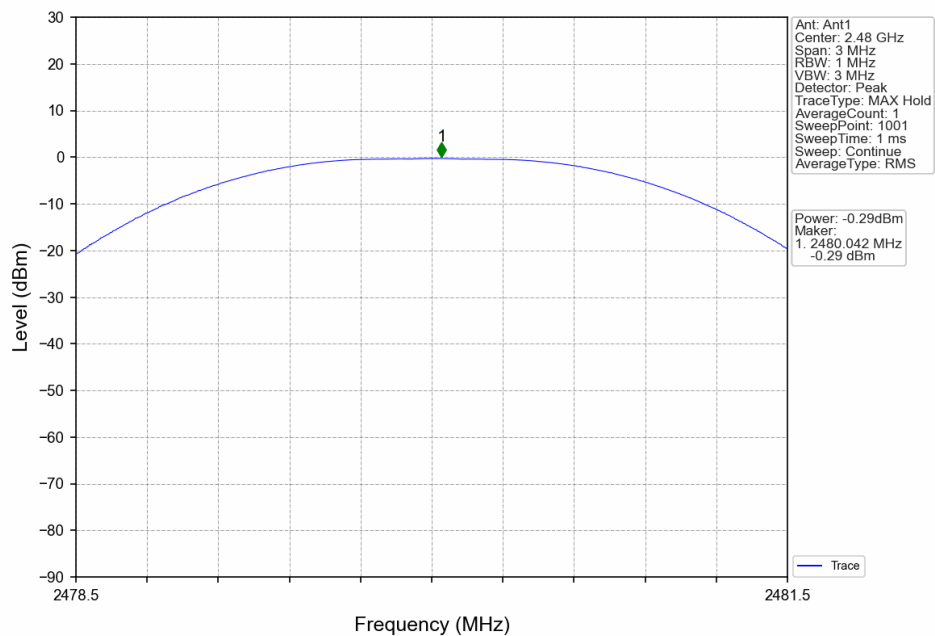
### 3.2 Test Graph



GFSK\_MCH\_2440MHz\_Ant1\_NTNV



GFSK\_HCH\_2480MHz\_Ant1\_NTNV





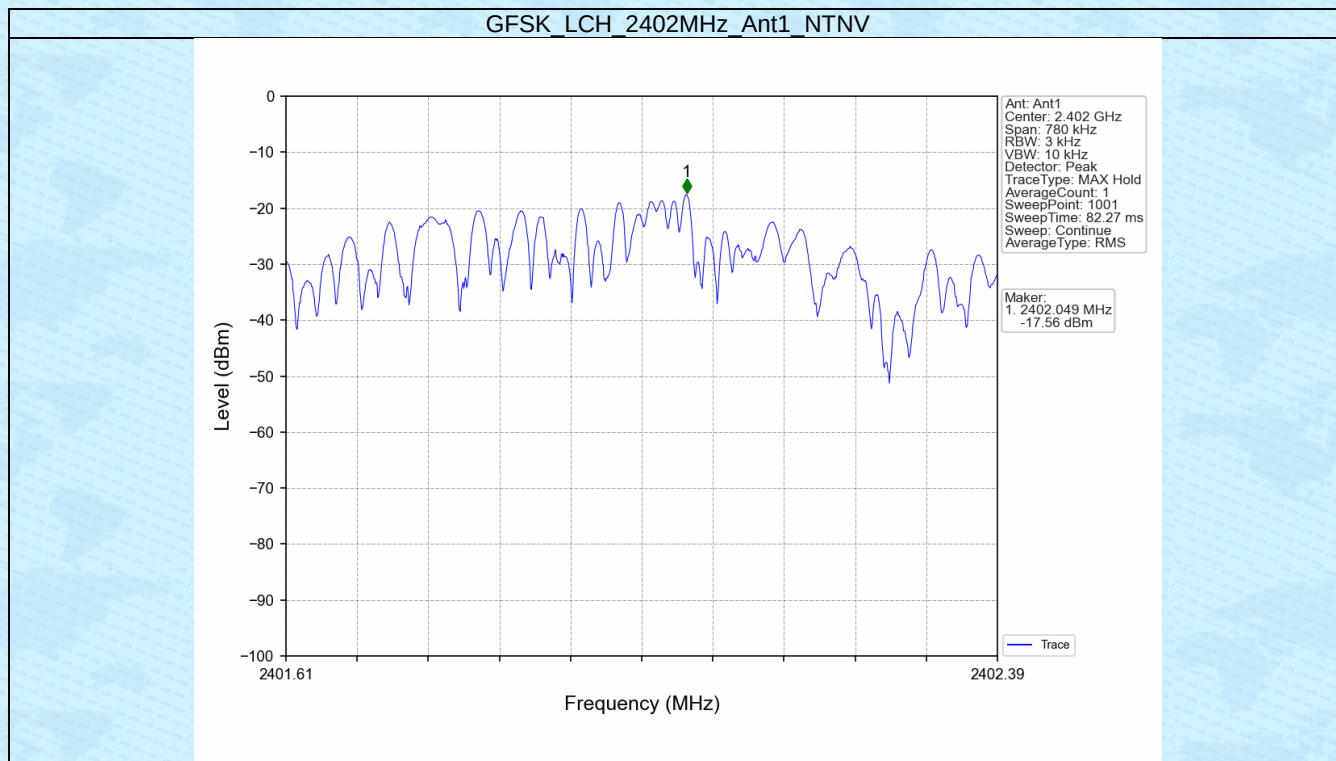
## 4. Maximum Power Spectral Density

### 4.1 Test Result

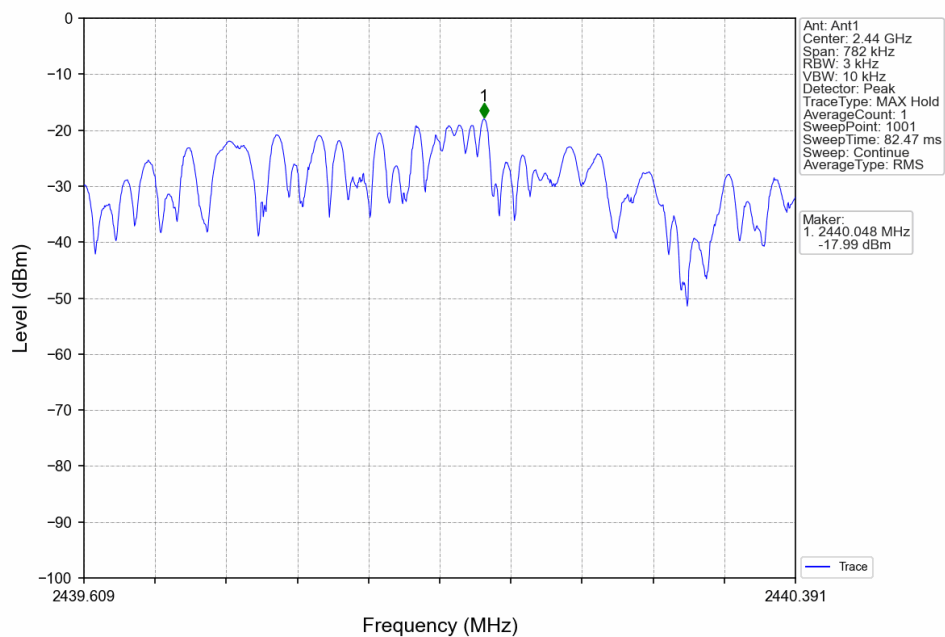
| Mode | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) |       | Verdict |
|------|---------|-----------------|------------------------|-------|---------|
|      |         |                 | ANT1                   | Limit |         |
| GFSK | SISO    | 2402            | -17.56                 | <=8   | Pass    |
|      |         | 2440            | -17.99                 | <=8   | Pass    |
|      |         | 2480            | -18.21                 | <=8   | Pass    |

Note1: Antenna Gain: Ant1: 1.94dBi;

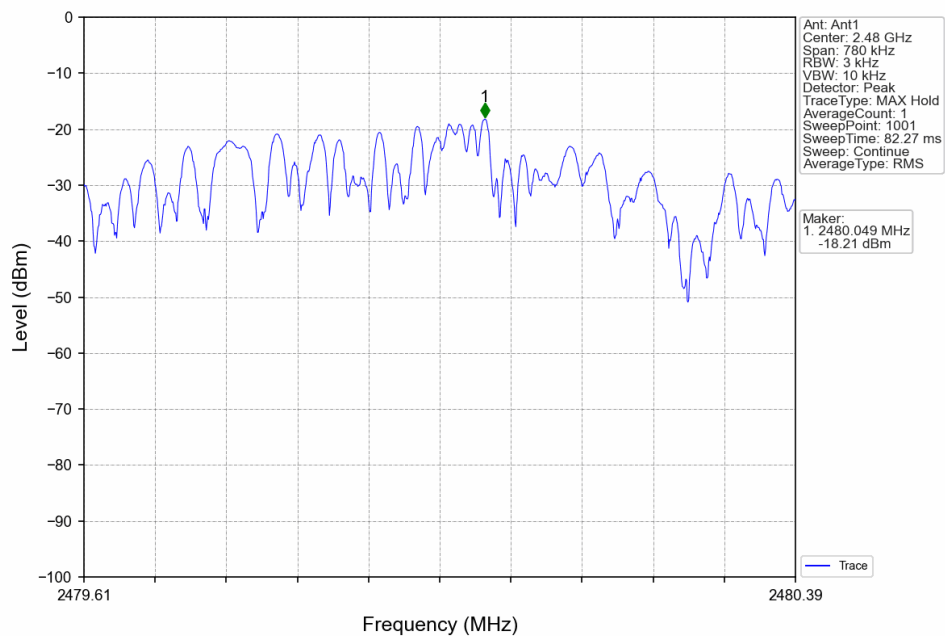
### 4.2 Test Graph



GFSK\_MCH\_2440MHz\_Ant1\_NTNV



GFSK\_HCH\_2480MHz\_Ant1\_NTNV



## 5. Unwanted Emissions InStandard Non-restricted Frequency Bands

### 5.1 Ref

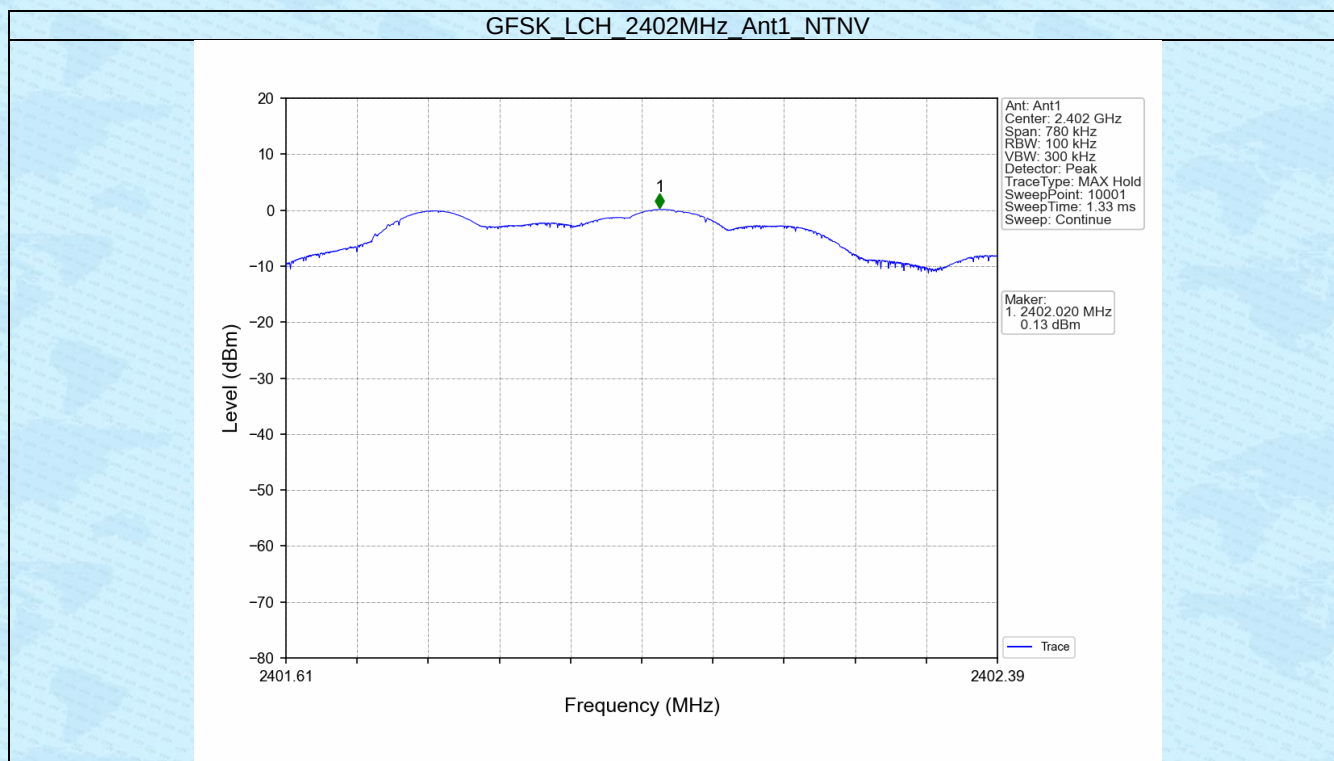
#### 5.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) |
|------|---------|-----------------|-----|--------------------------|
| GFSK | SISO    | 2402            | 1   | 0.13                     |
|      |         | 2440            | 1   | -0.29                    |
|      |         | 2480            | 1   | -0.35                    |

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.

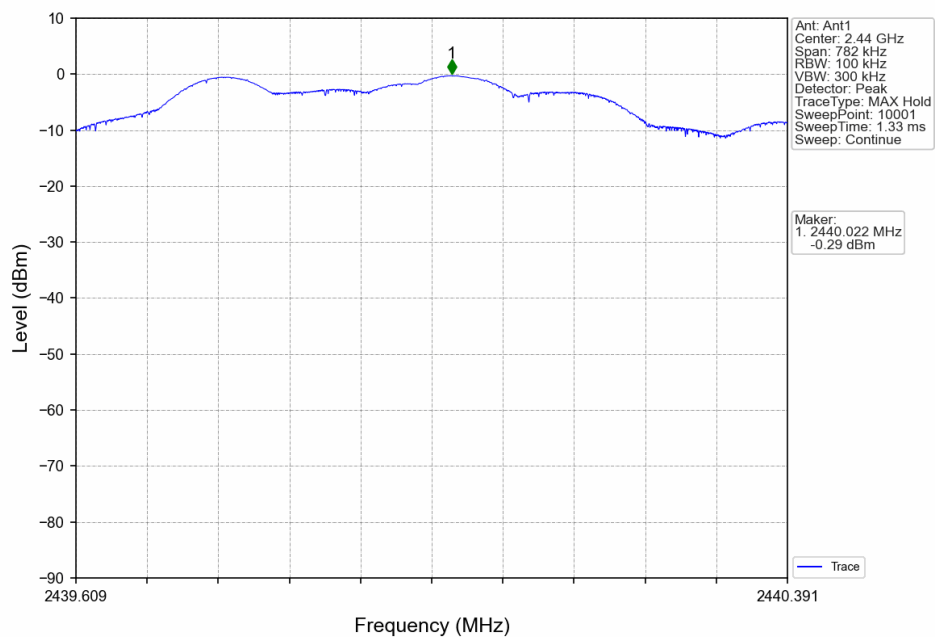
Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.

#### 5.1.2 Test Graph

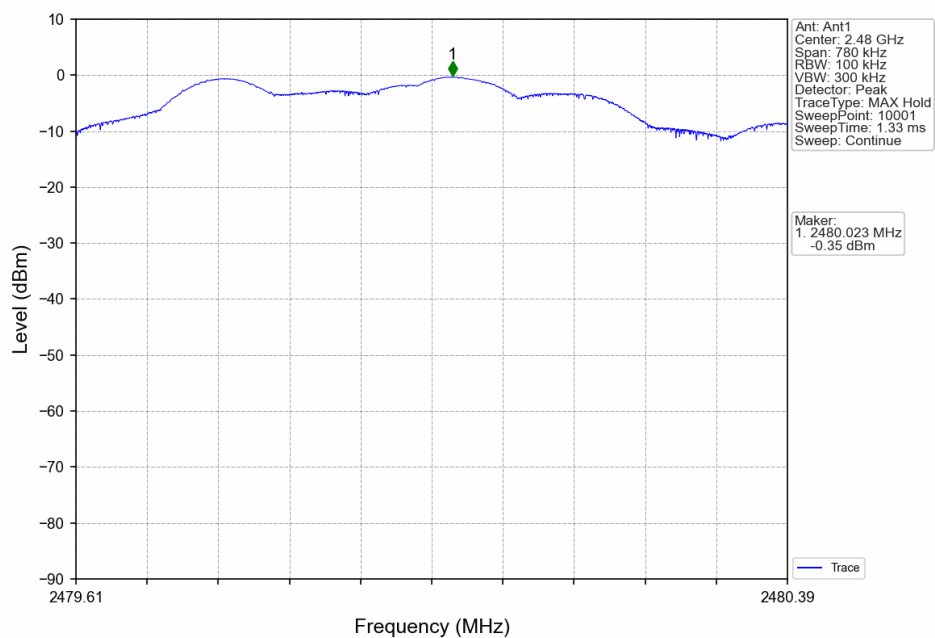




GFSK\_MCH\_2440MHz\_Ant1\_NTNV



GFSK\_HCH\_2480MHz\_Ant1\_NTNV



## 5.2 CSE

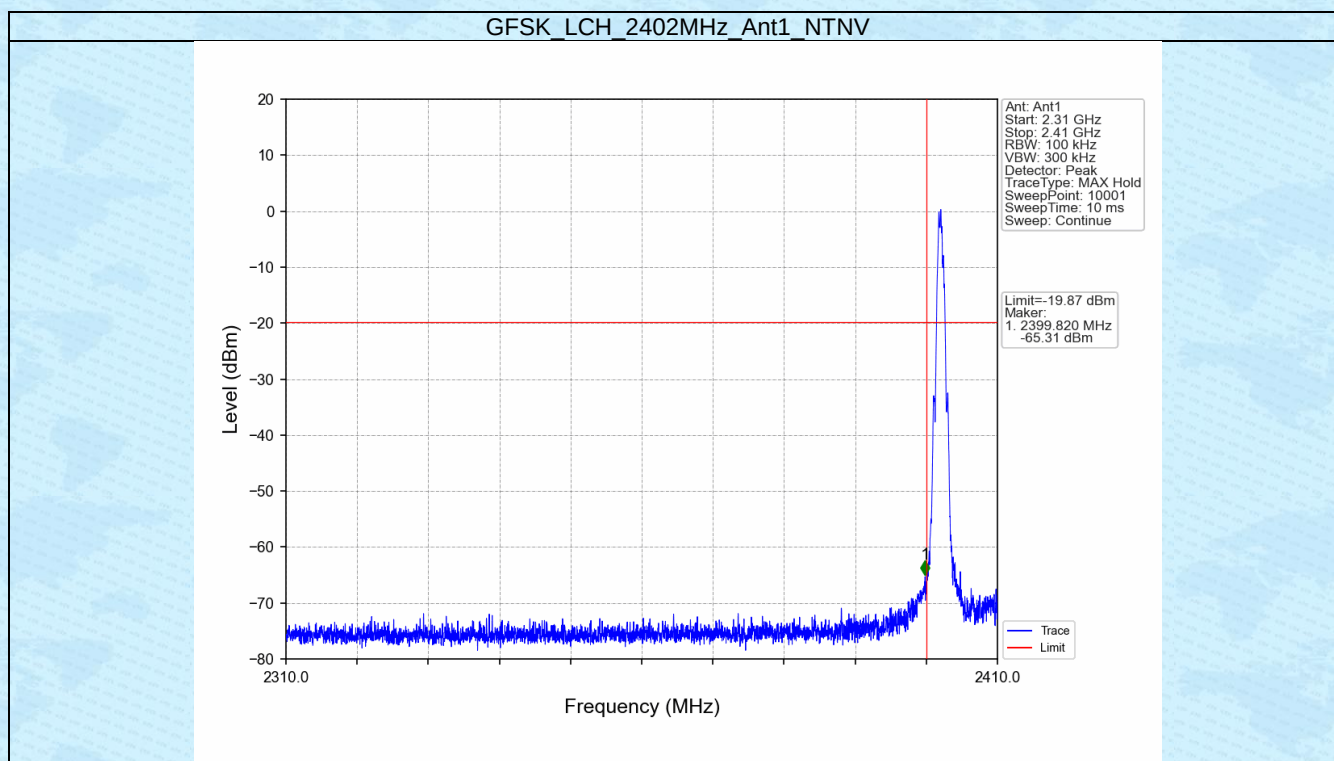
### 5.2.1 Test Result

| Mode | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|------|---------|-----------------|-----|--------------------------|-------------|---------|
| GFSK | SISO    | 2402            | 1   | 0.13                     | -19.87      | Pass    |
|      |         | 2440            | 1   | 0.13                     | -19.87      | Pass    |
|      |         | 2480            | 1   | 0.13                     | -19.87      | Pass    |

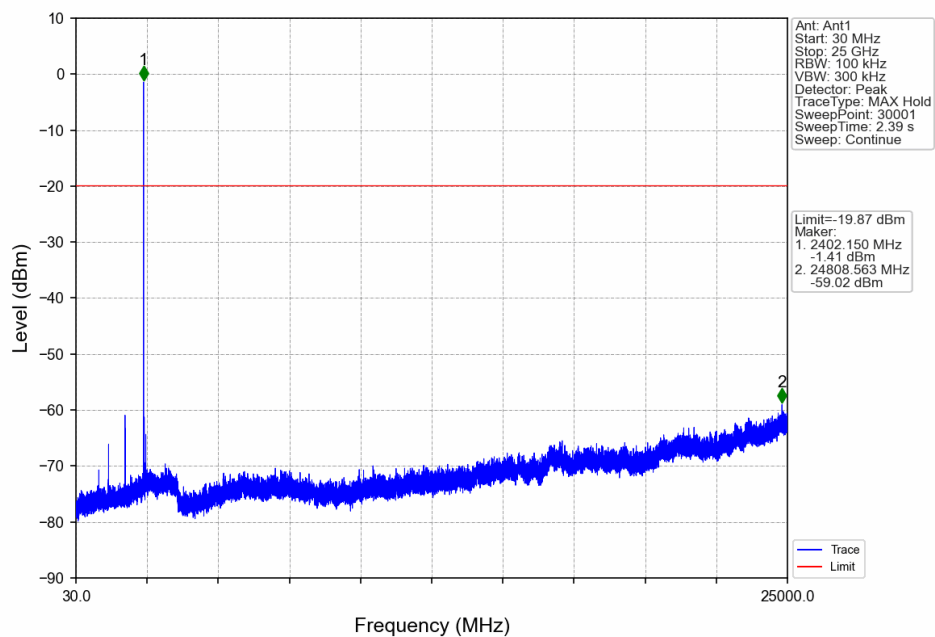
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.

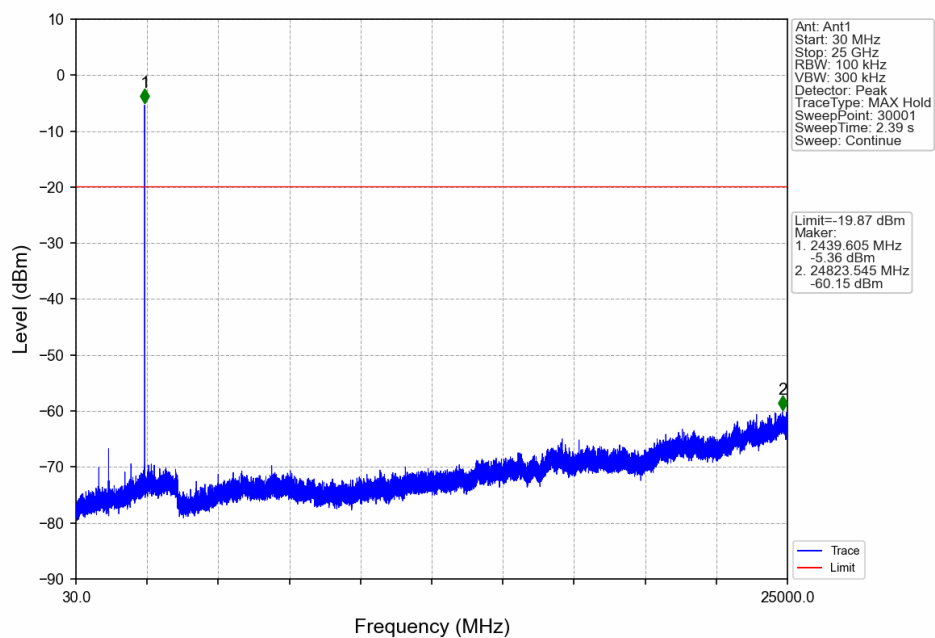
### 5.2.2 Test Graph



GFSK\_LCH\_2402MHz\_Ant1\_NTNV

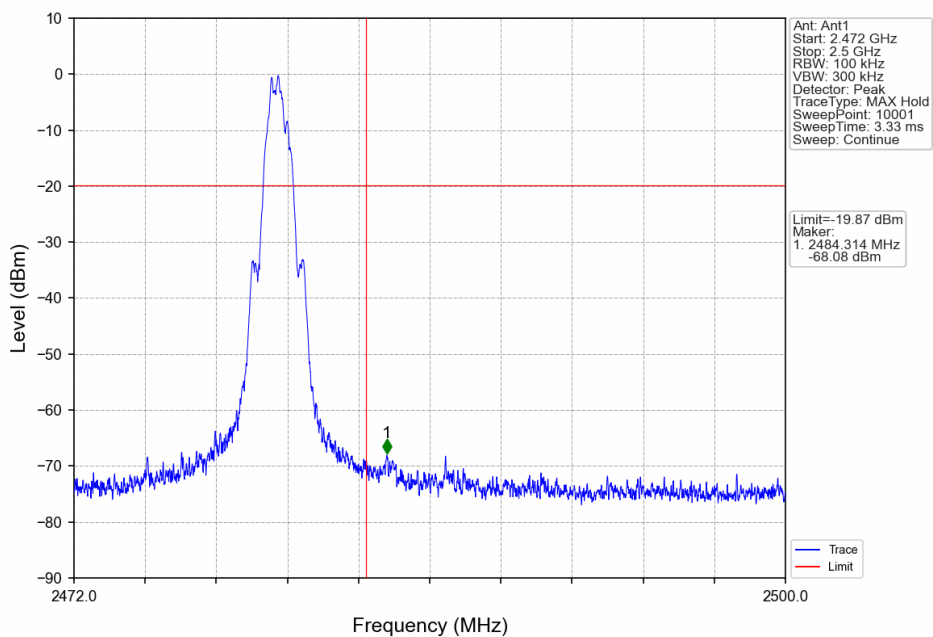


GFSK\_MCH\_2440MHz\_Ant1\_NTNV

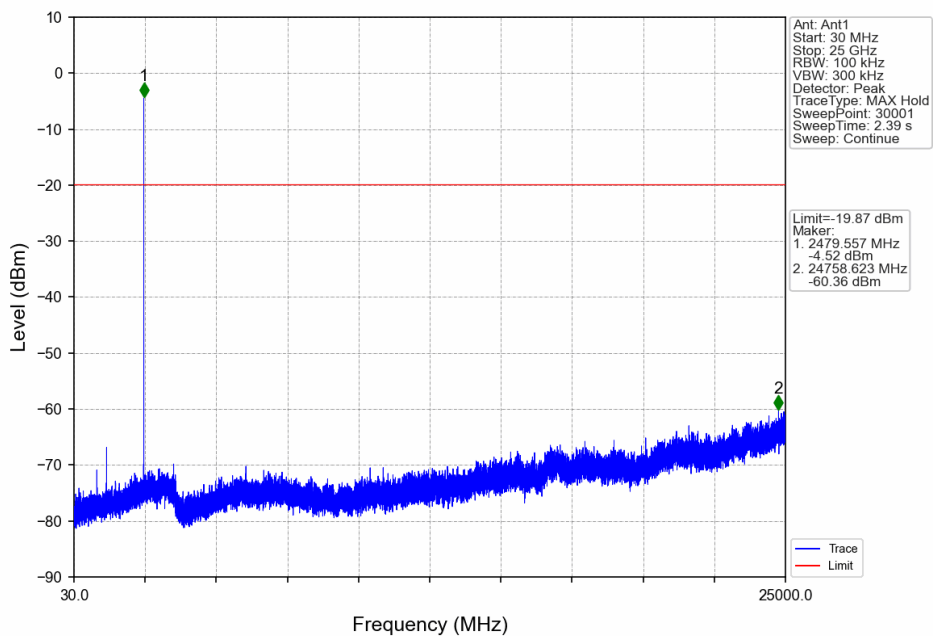




GFSK\_HCH\_2480MHz\_Ant1\_NTNV



GFSK\_HCH\_2480MHz\_Ant1\_NTNV



-----End-----

