

## Appendix for 15.247

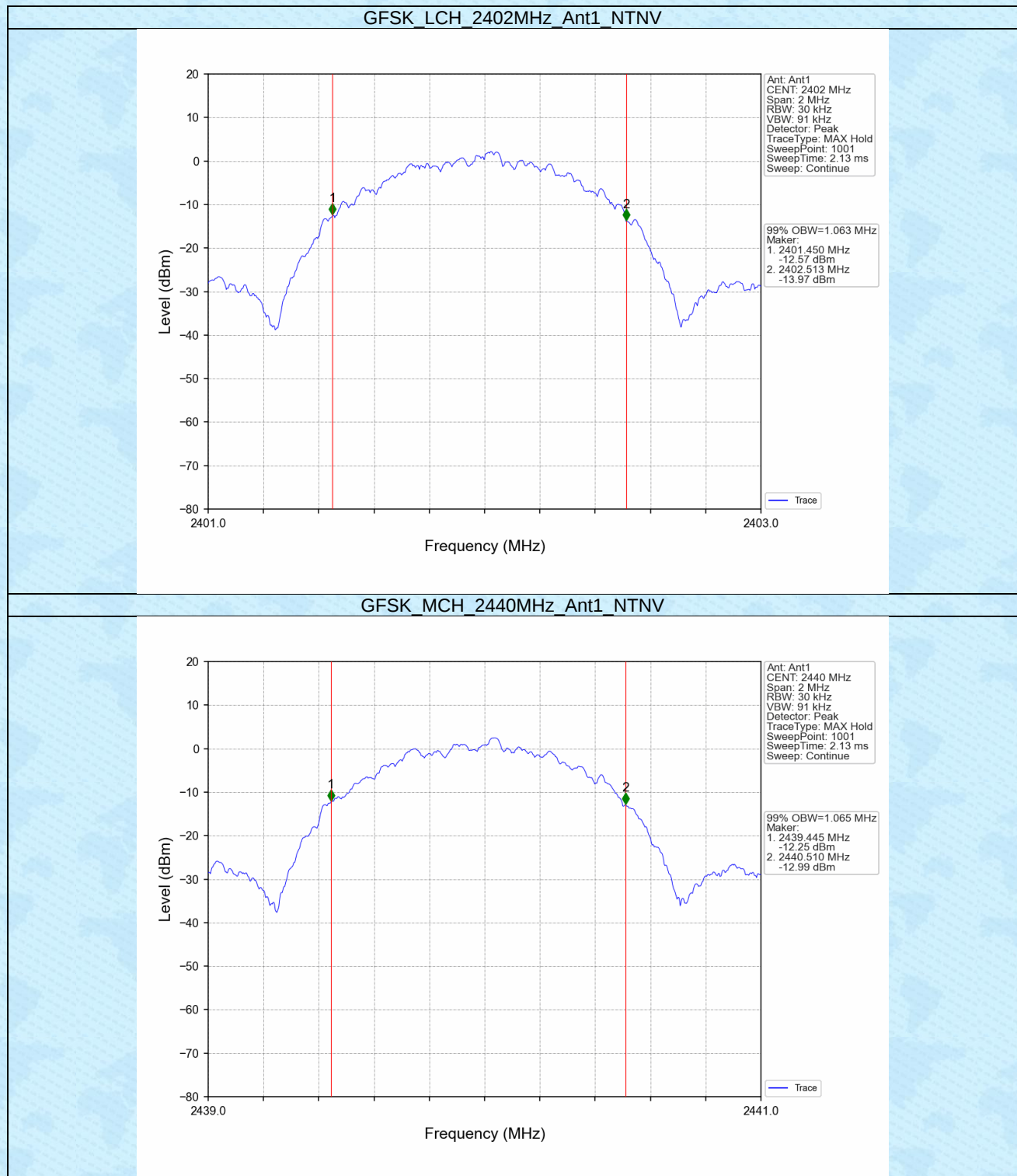
### 1. Bandwidth

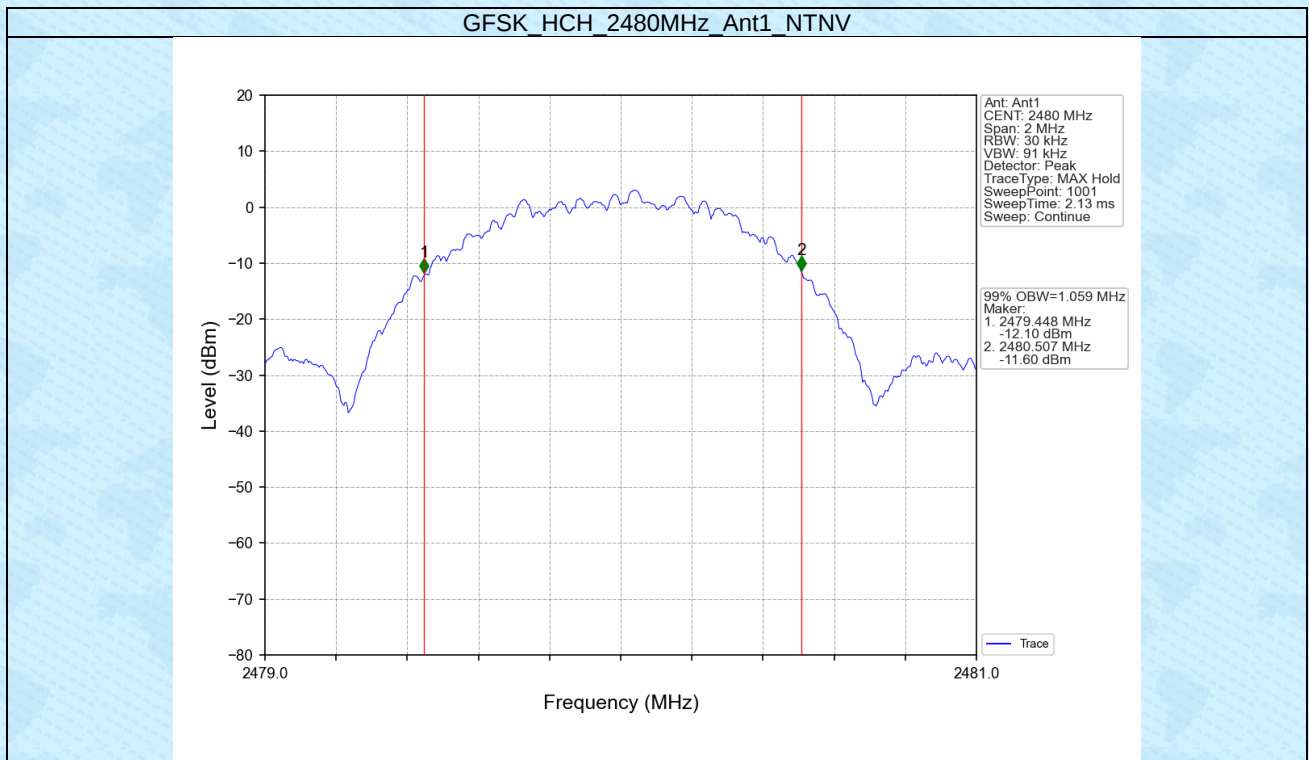
#### 1.1 OBW

##### 1.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) | Verdict |
|------|---------|-----------------|-----|------------------------------|---------|
|      |         |                 |     | Result                       |         |
| GFSK | SISO    | 2402            | 1   | 1.063                        | Pass    |
|      |         | 2440            | 1   | 1.065                        | Pass    |
|      |         | 2480            | 1   | 1.059                        | Pass    |

## 1.1.2 Test Graph



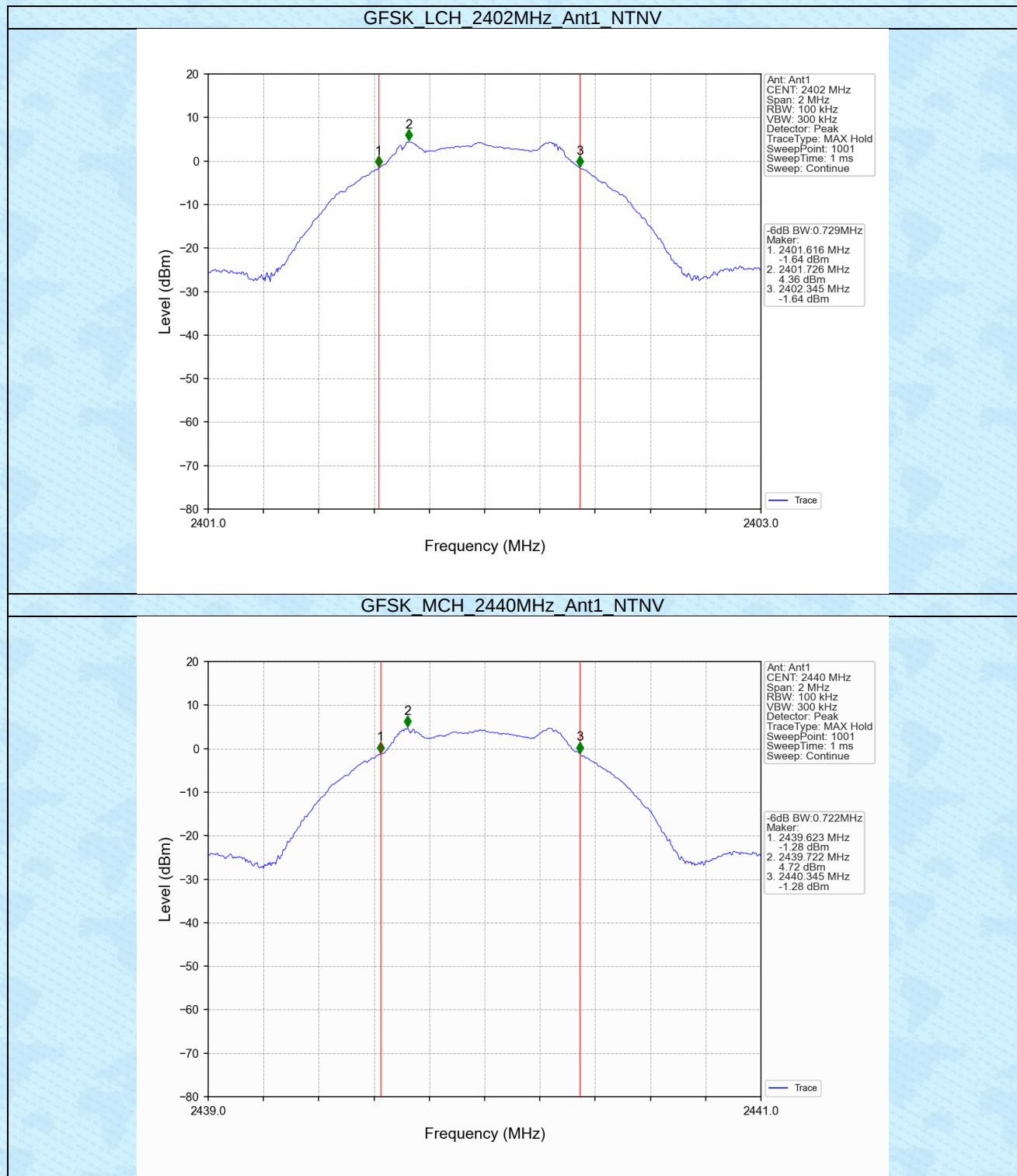


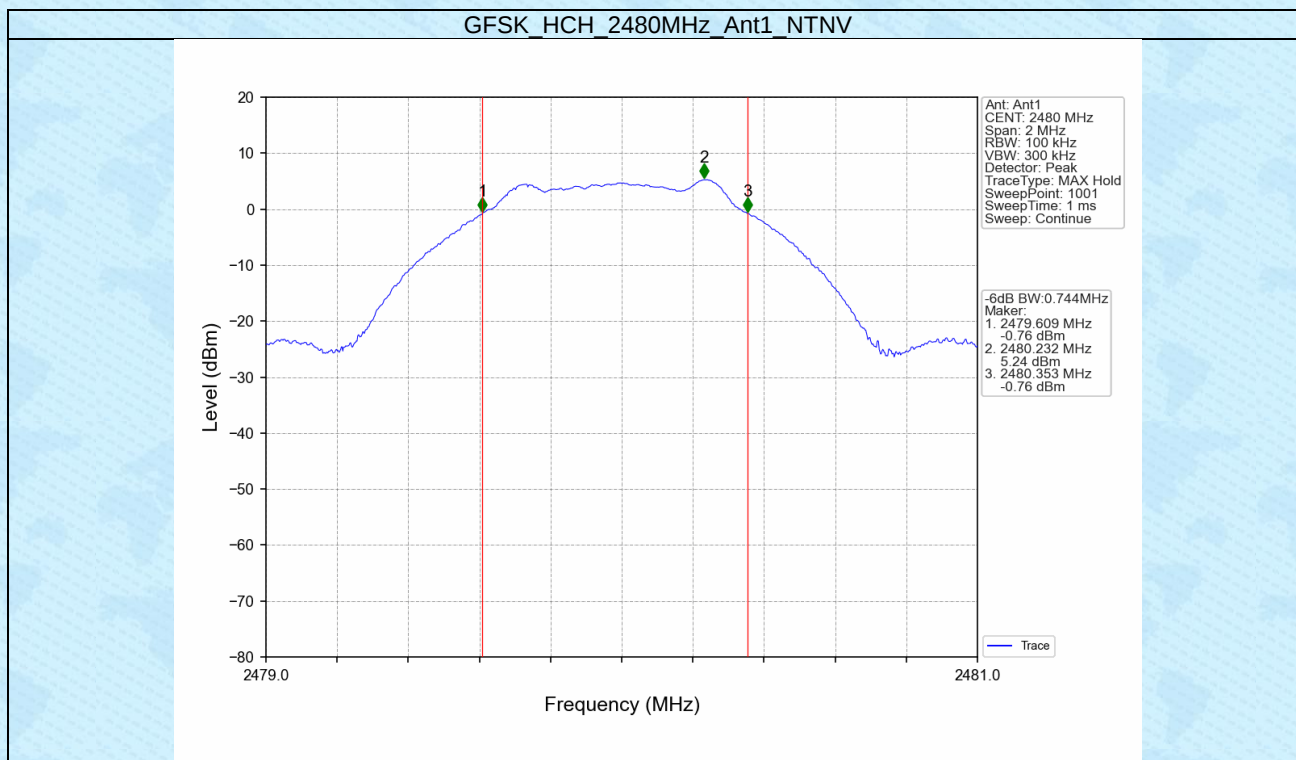
## 1.2 6dB BW

### 1.2.1 Test Result

| Mode | TX Type | Frequency (MHz) | ANT | 6dB Bandwidth (MHz) |            | Verdict |
|------|---------|-----------------|-----|---------------------|------------|---------|
|      |         |                 |     | Result              | Limit      |         |
| GFSK | SISO    | 2402            | 1   | 0.729               | $\geq 0.5$ | Pass    |
|      |         | 2440            | 1   | 0.722               | $\geq 0.5$ | Pass    |
|      |         | 2480            | 1   | 0.744               | $\geq 0.5$ | Pass    |

## 1.2.2 Test Graph



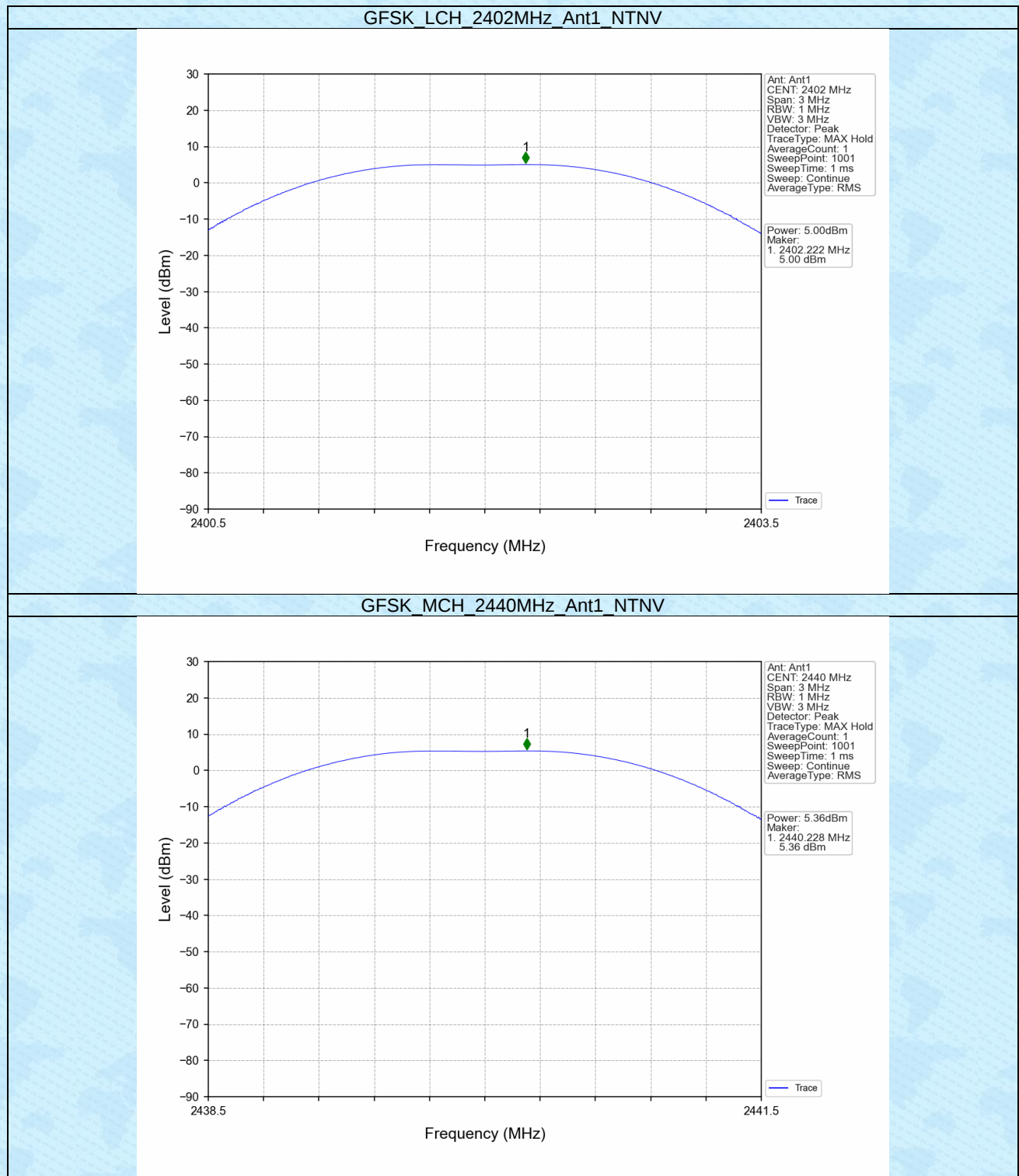


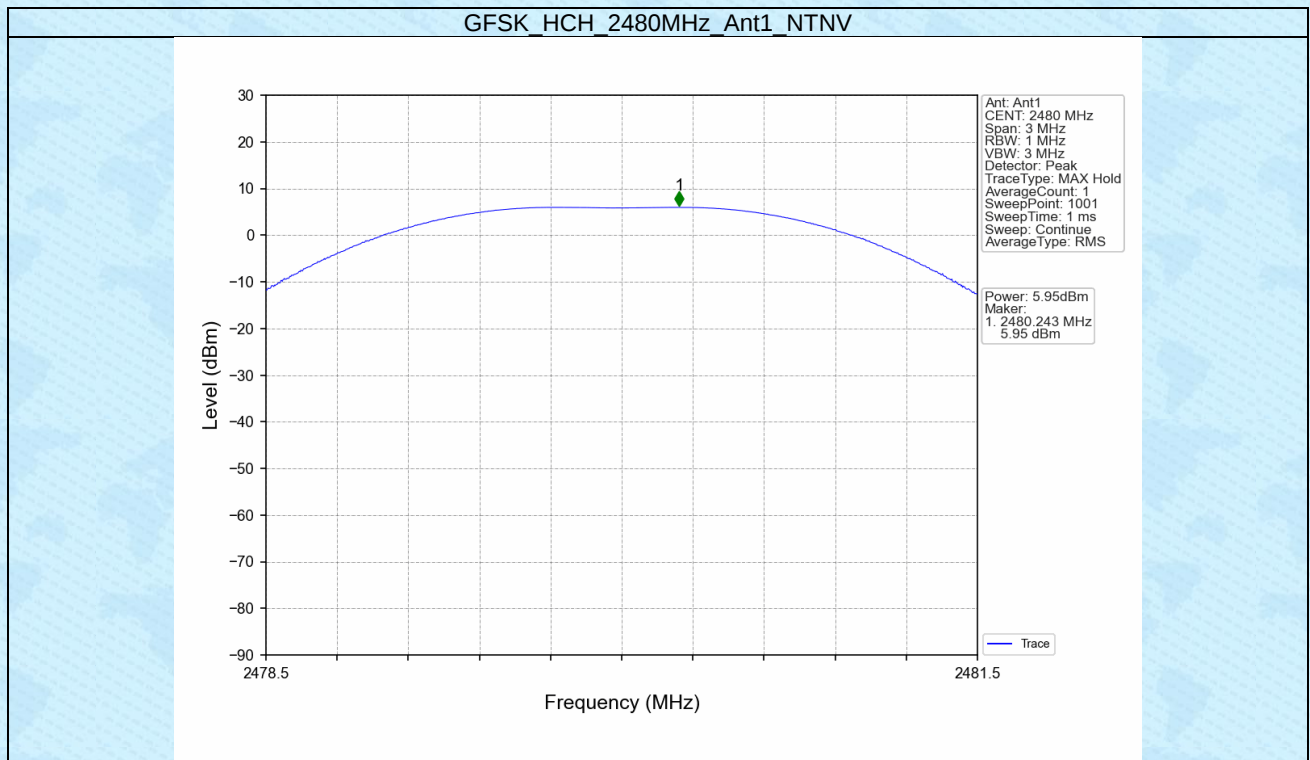
## 2. Maximum Conducted Output Power

### 2.1 Test Result

| Mode | TX Type | Frequency (MHz) | Maximum Peak Conducted Output Power (dBm) |       | Verdict |
|------|---------|-----------------|-------------------------------------------|-------|---------|
|      |         |                 | ANT1                                      | Limit |         |
| GFSK | SISO    | 2402            | 5.00                                      | <=30  | Pass    |
|      |         | 2440            | 5.36                                      | <=30  | Pass    |
|      |         | 2480            | 5.95                                      | <=30  | Pass    |

## 2.2 Test Graph



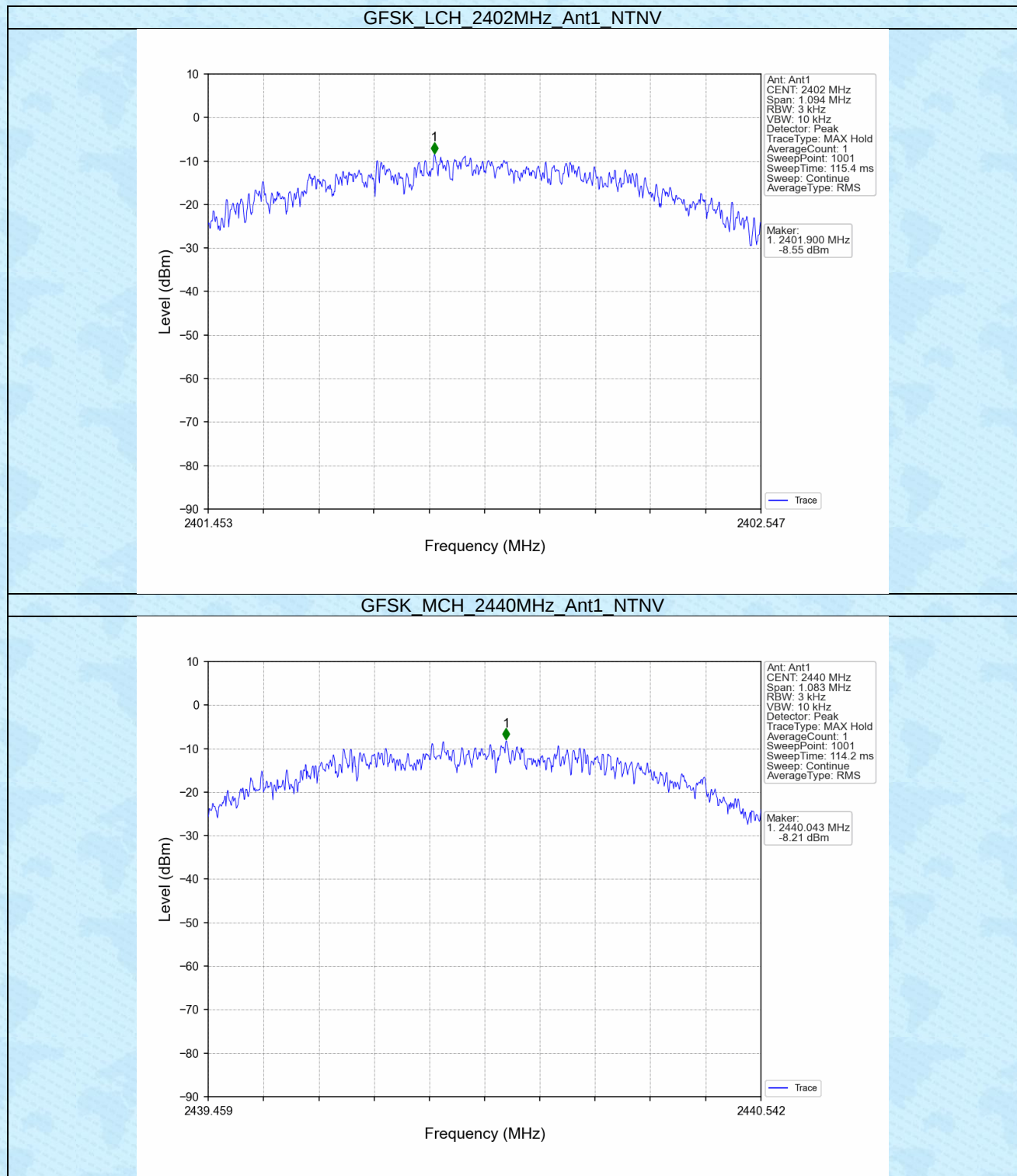


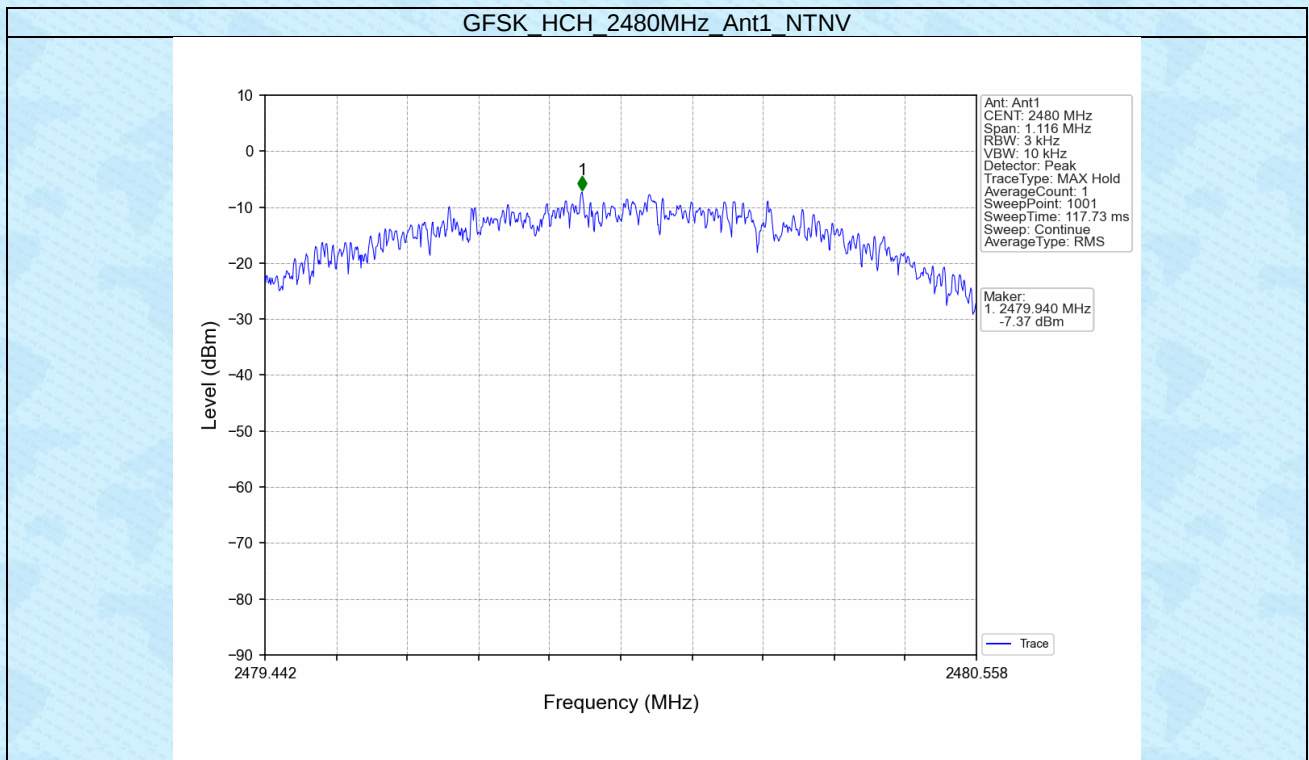
### 3. Maximum Power Spectral Density

#### 3.1 Test Result

| Mode | TX Type | Frequency (MHz) | Maximum PSD (dBm/3kHz) |       | Verdict |
|------|---------|-----------------|------------------------|-------|---------|
|      |         |                 | ANT1                   | Limit |         |
| GFSK | SISO    | 2402            | -8.55                  | <=8   | Pass    |
|      |         | 2440            | -8.21                  | <=8   | Pass    |
|      |         | 2480            | -7.37                  | <=8   | Pass    |

### 3.2 Test Graph





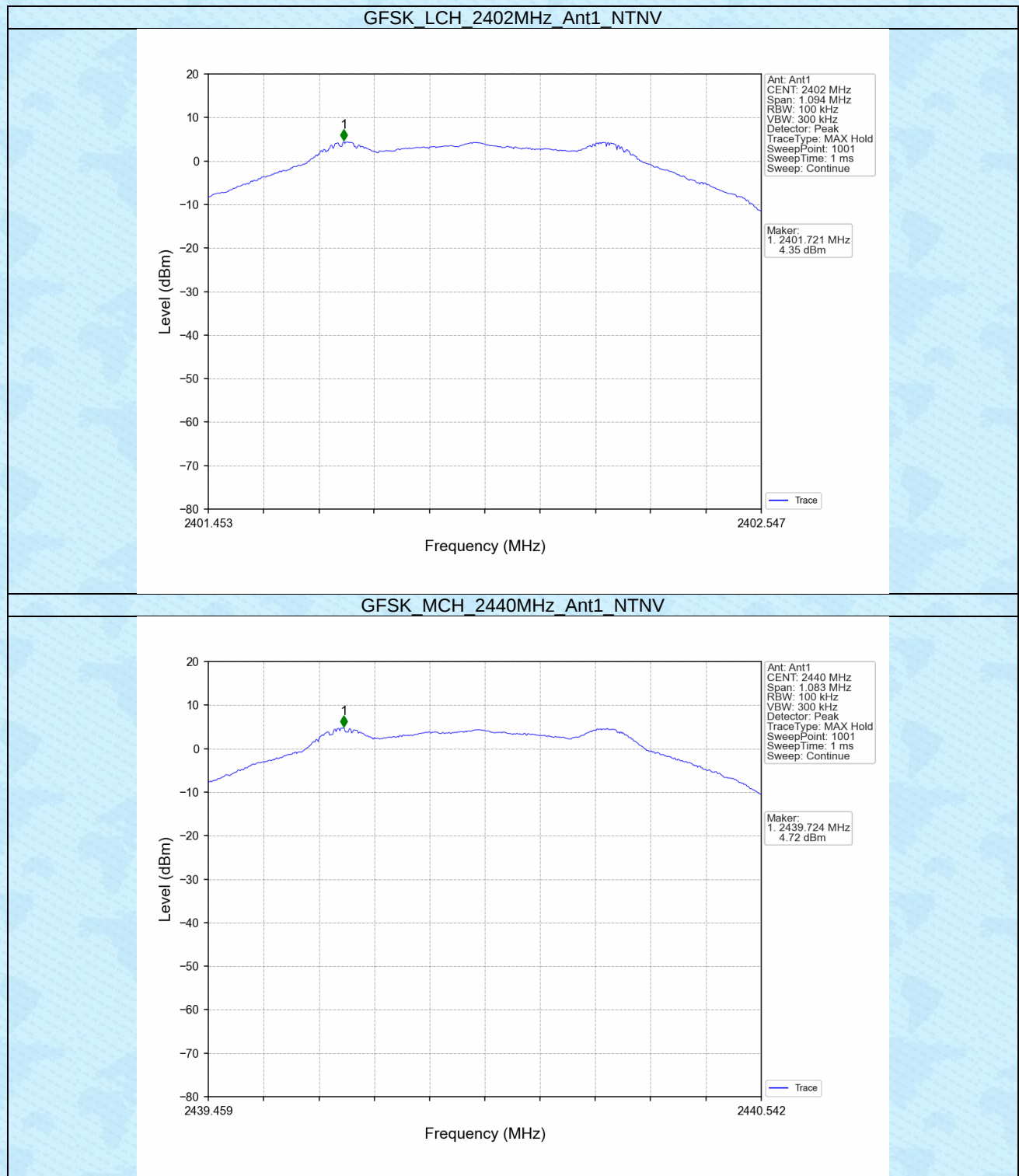
## 4. Unwanted Emissions In Non-restricted Frequency Bands

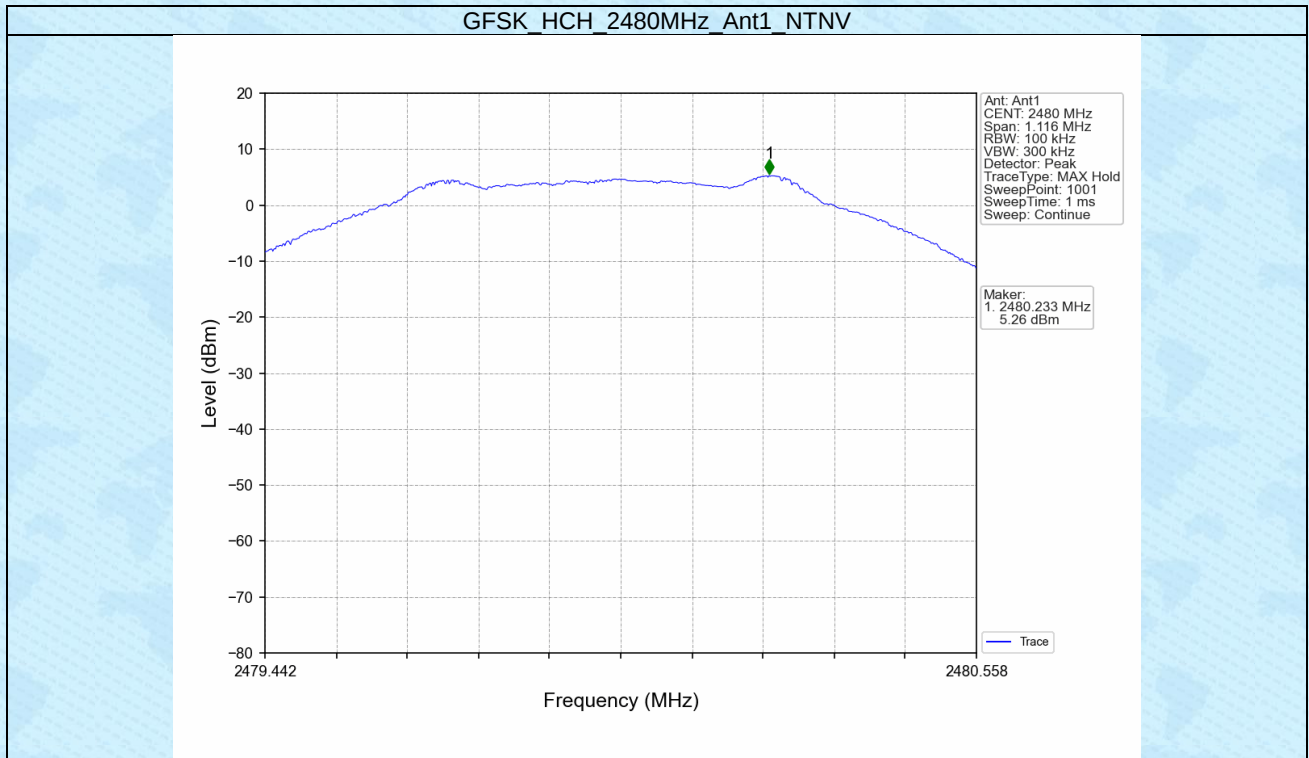
### 4.1 Ref

#### 4.1.1 Test Result

| Mode                                                                                                                                            | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-----|--------------------------|
| GFSK                                                                                                                                            | SISO    | 2402            | 1   | 4.35                     |
|                                                                                                                                                 |         | 2440            | 1   | 4.72                     |
|                                                                                                                                                 |         | 2480            | 1   | 5.26                     |
| 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. |         |                 |     |                          |

#### 4.1.2 Test Graph



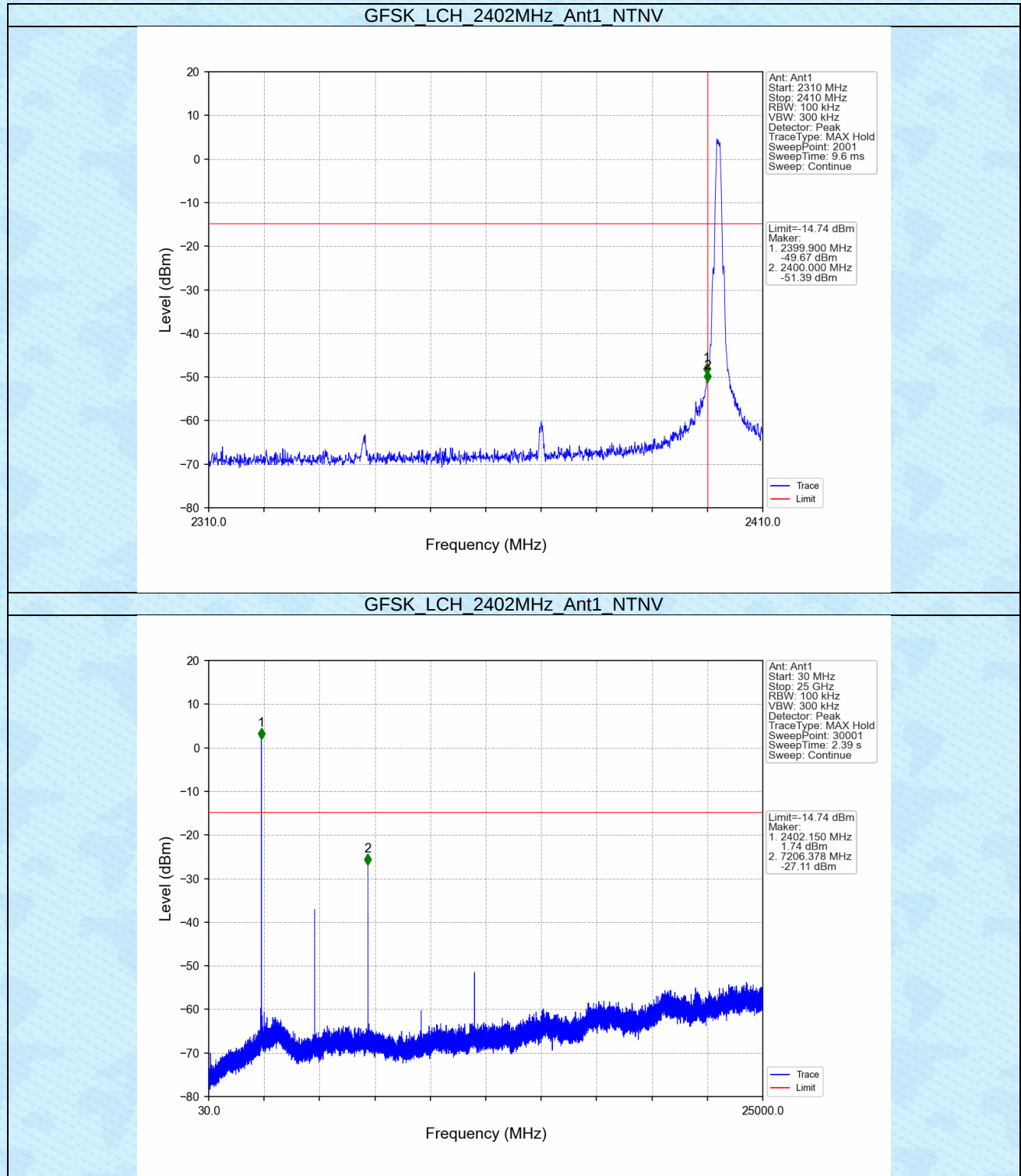


## 4.2 CSE

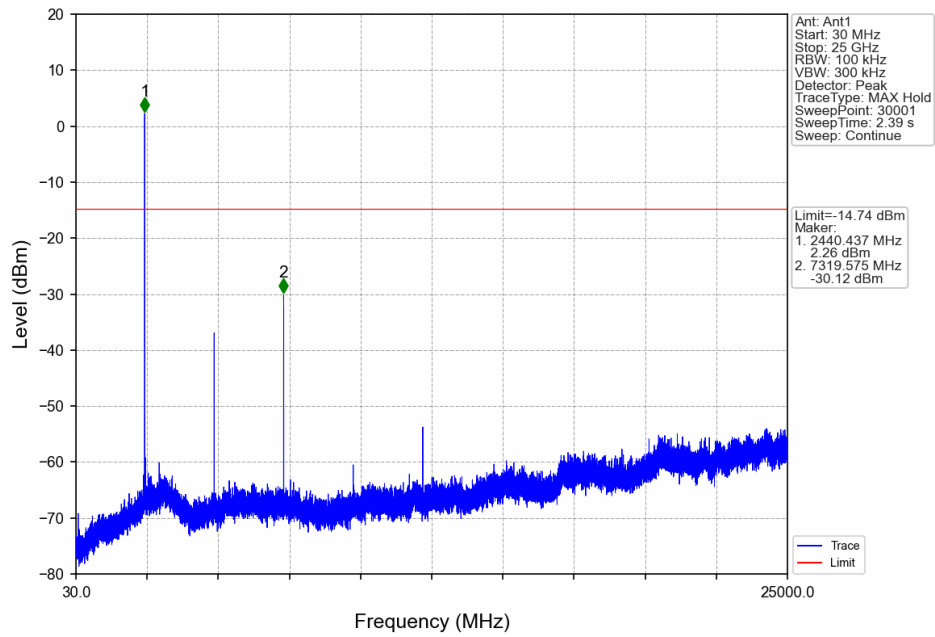
### 4.2.1 Test Result

| Mode                                                                                                                                            | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-----|--------------------------|-------------|---------|
| GFSK                                                                                                                                            | SISO    | 2402            | 1   | 5.26                     | -14.74      | Pass    |
|                                                                                                                                                 |         | 2440            | 1   | 5.26                     | -14.74      | Pass    |
|                                                                                                                                                 |         | 2480            | 1   | 5.26                     | -14.74      | 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. |         |                 |     |                          |             |         |

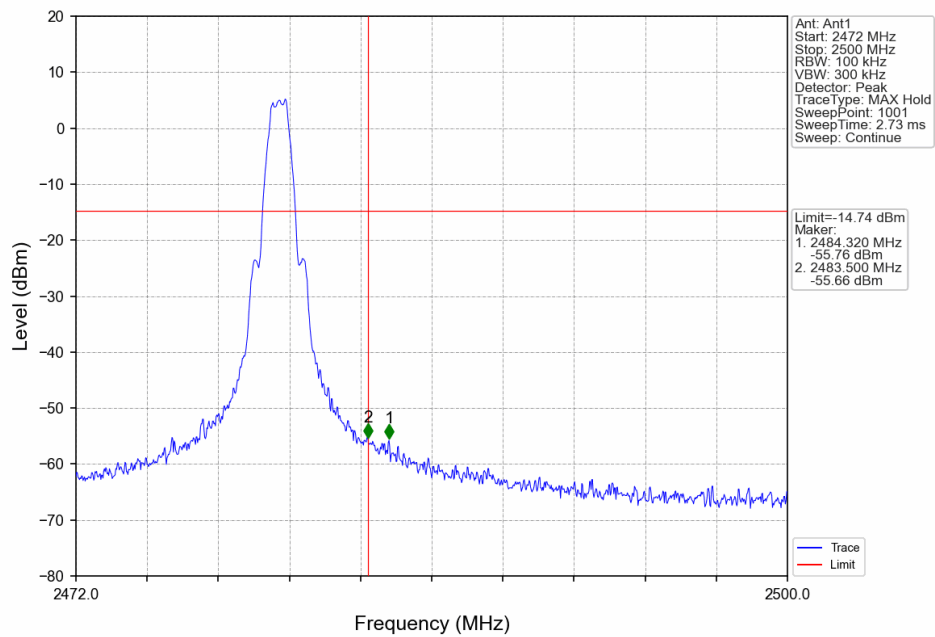
## 4.2.2 Test Graph

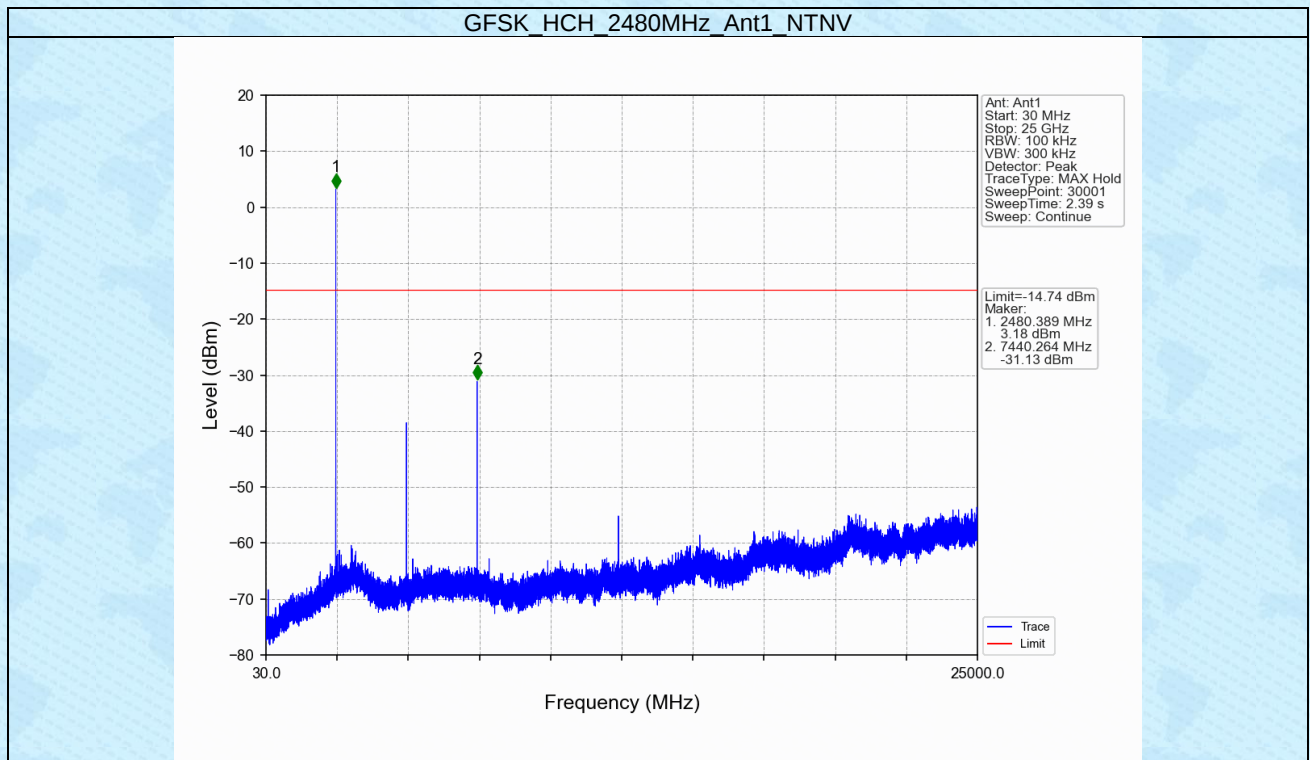


GFSK\_MCH\_2440MHz\_Ant1\_NTNV



GFSK\_HCH\_2480MHz\_Ant1\_NTNV





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