

## Appendix for 15.247

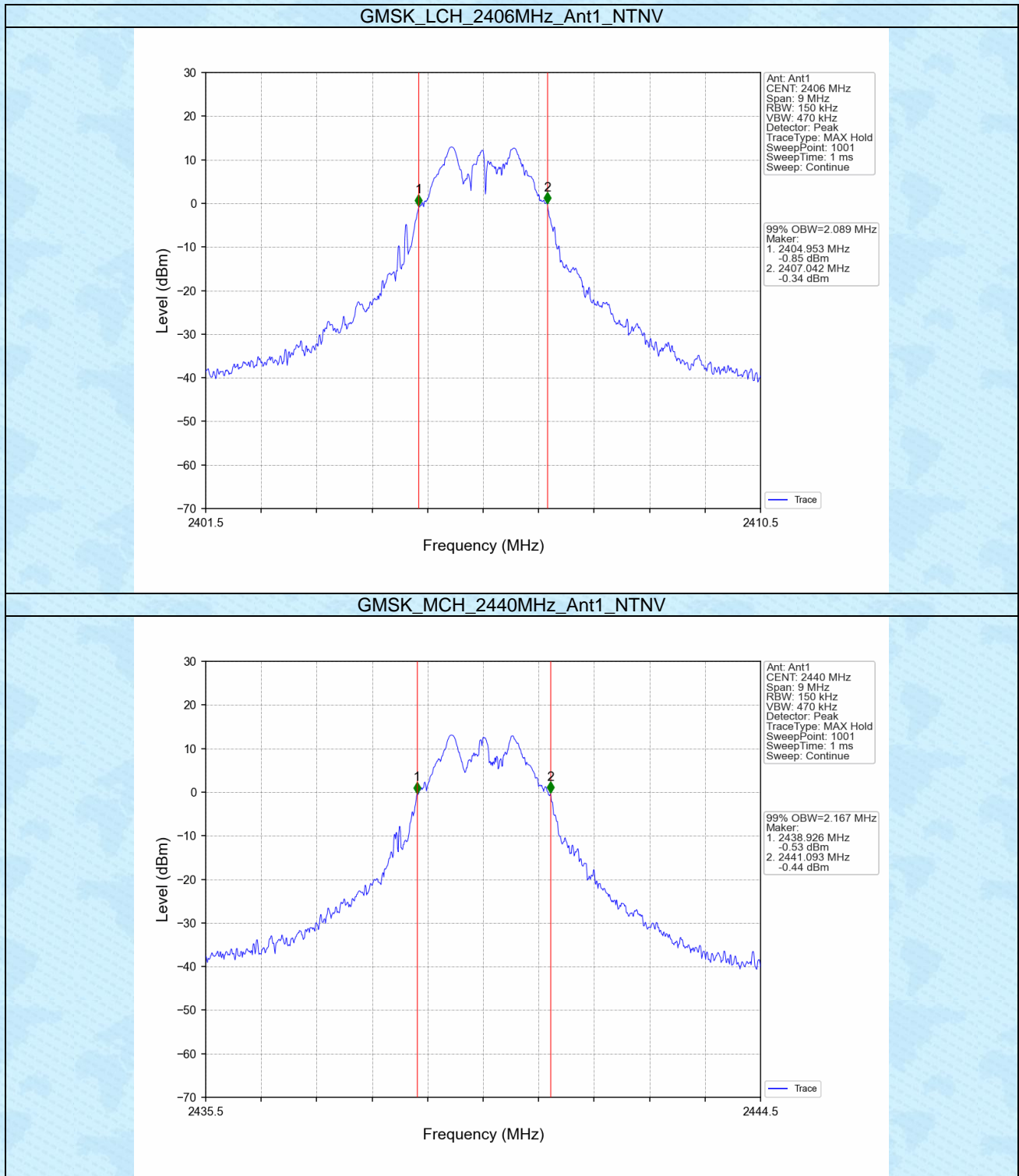
### 1. Bandwidth

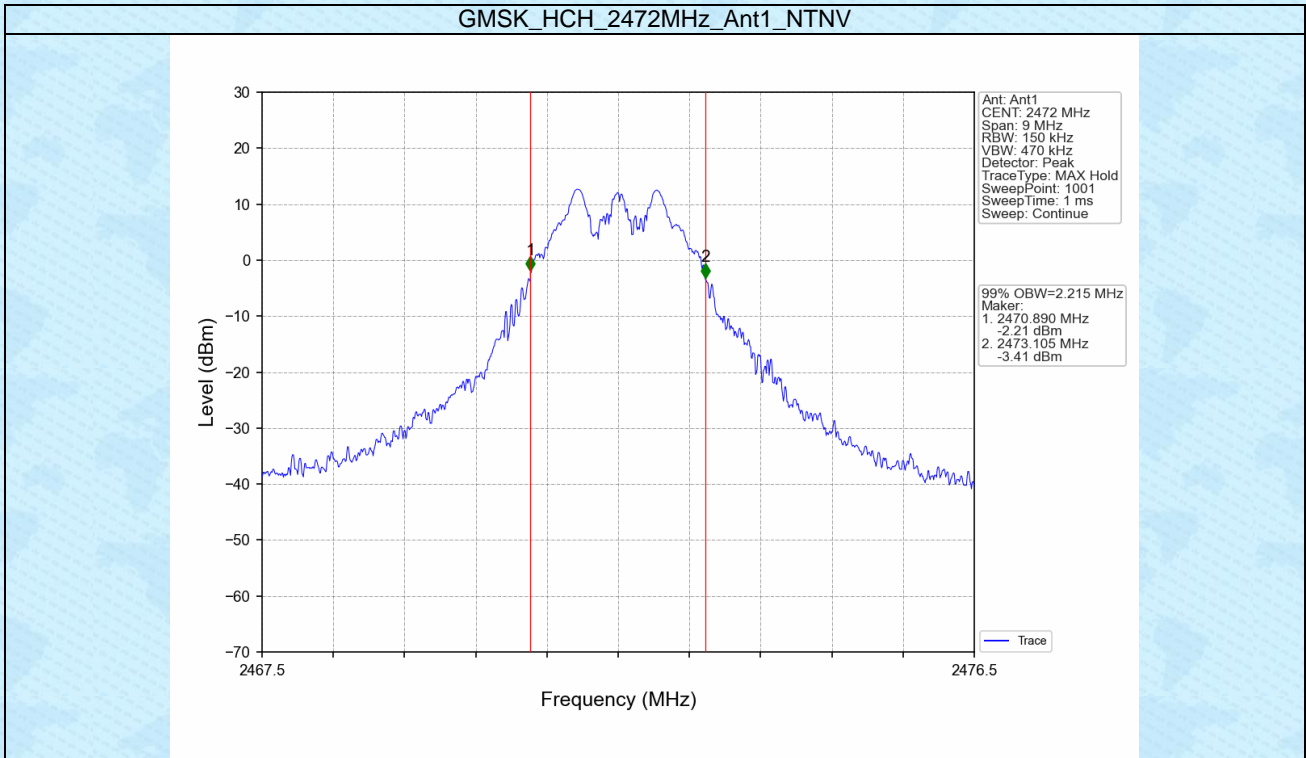
#### 1.1 OBW

##### 1.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | ANT | 99% Occupied Bandwidth (MHz) | Verdict |
|------|---------|-----------------|-----|------------------------------|---------|
|      |         |                 |     | Result                       |         |
| GMSK | SISO    | 2406            | 1   | 2.089                        | Pass    |
|      |         | 2440            | 1   | 2.167                        | Pass    |
|      |         | 2472            | 1   | 2.215                        | Pass    |

## 1.1.2 Test Graph



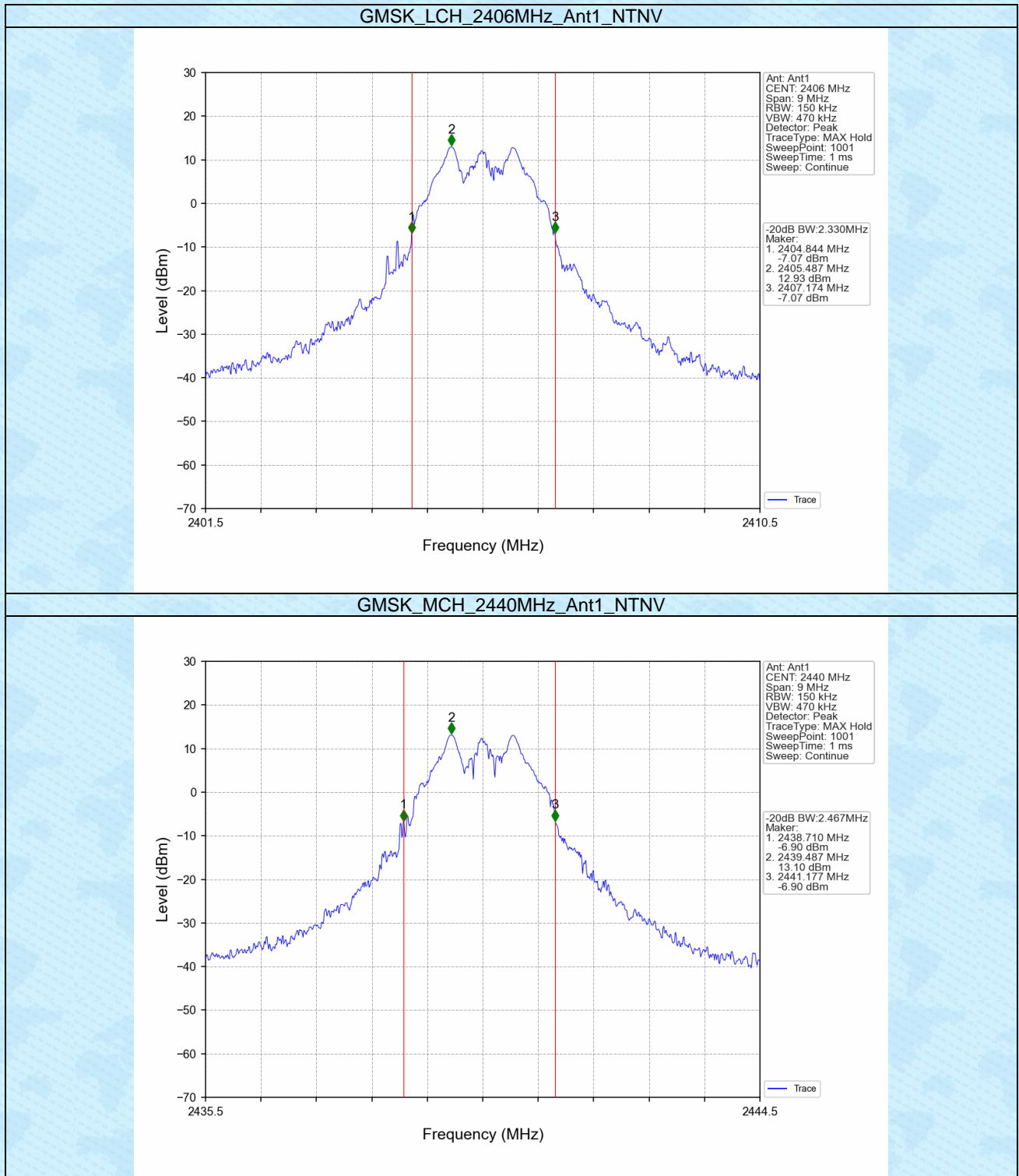


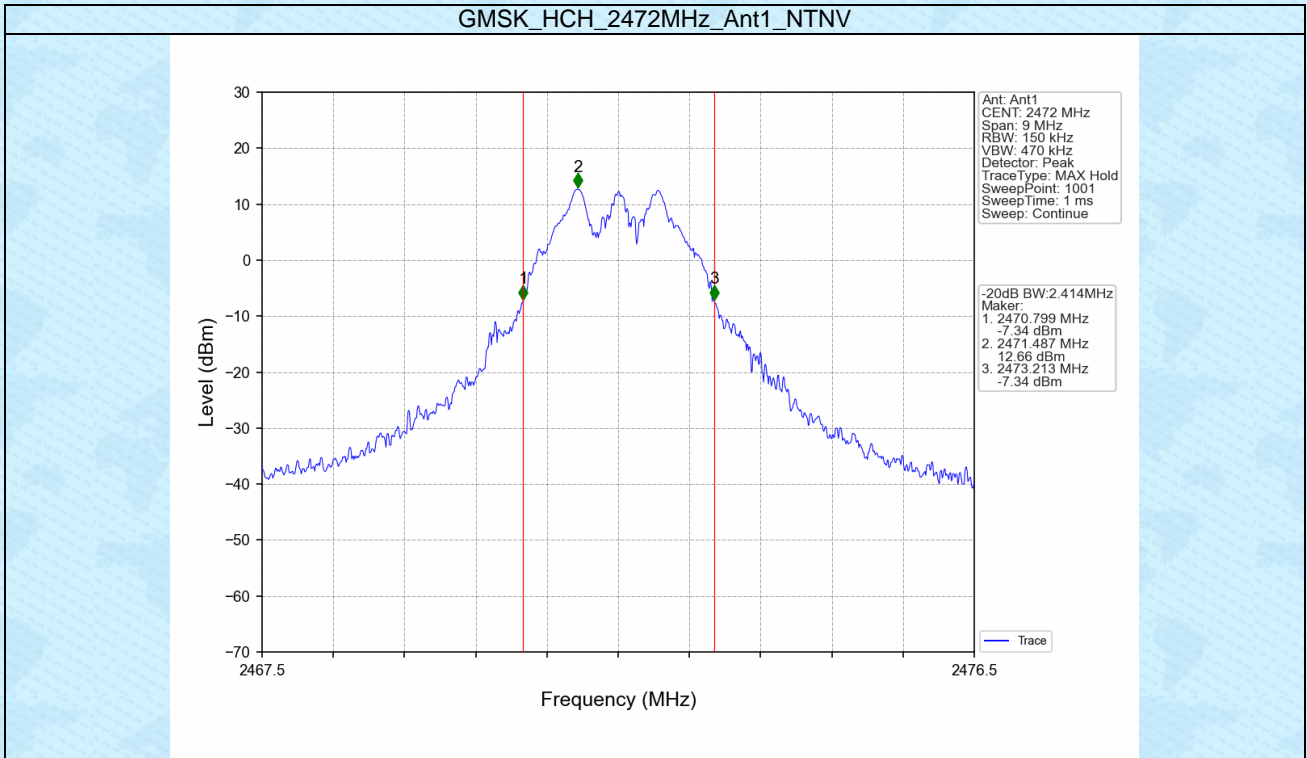
## 1.2 20dB BW

### 1.2.1 Test Result

| Mode | TX Type | Frequency (MHz) | ANT | 20dB Bandwidth (MHz) | Verdict |
|------|---------|-----------------|-----|----------------------|---------|
|      |         |                 |     | Result               |         |
| GMSK | SISO    | 2406            | 1   | 2.330                | Pass    |
|      |         | 2440            | 1   | 2.467                | Pass    |
|      |         | 2472            | 1   | 2.414                | Pass    |

## 1.2.2 Test Graph



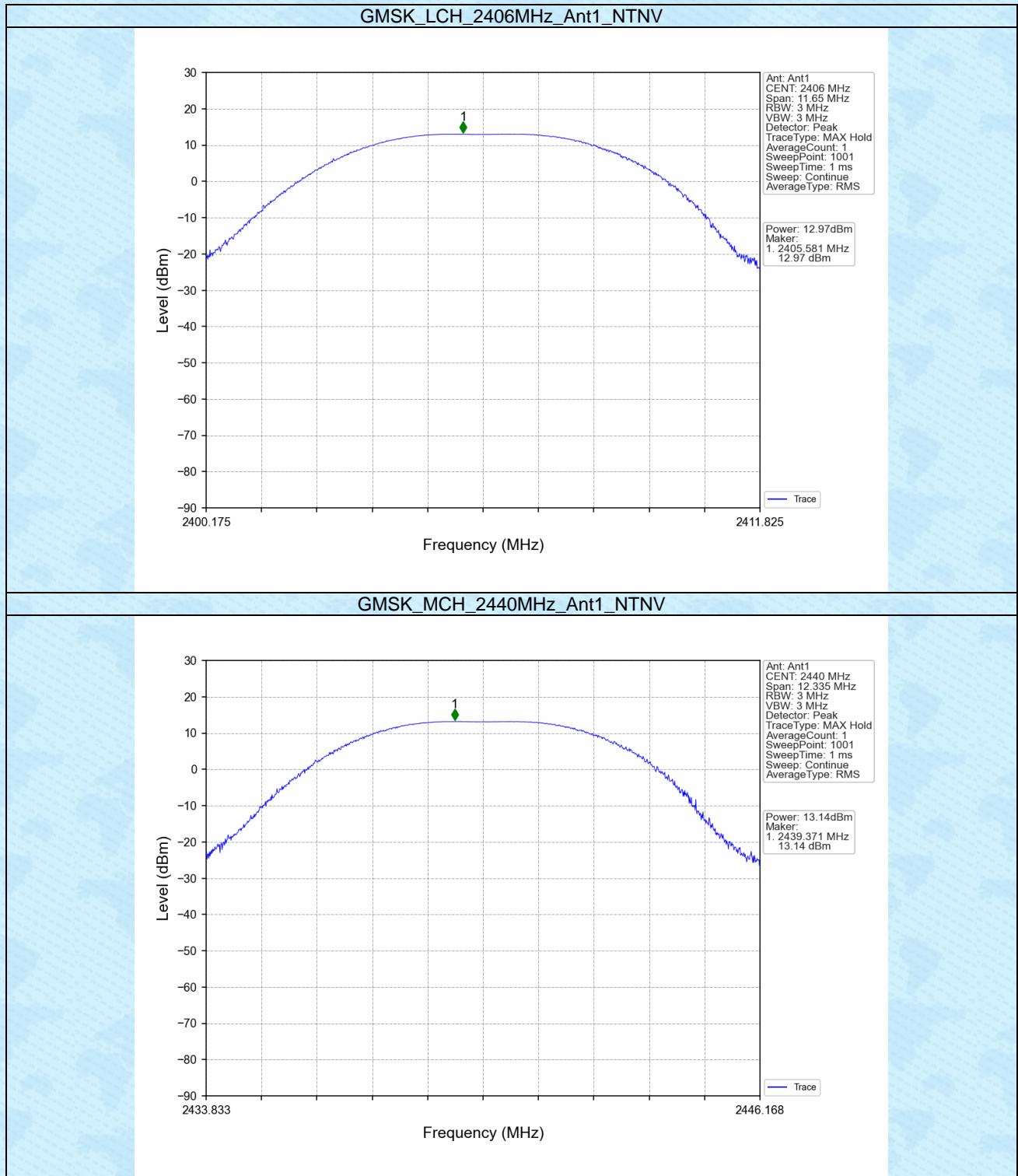


## 2. Maximum Conducted Output Power

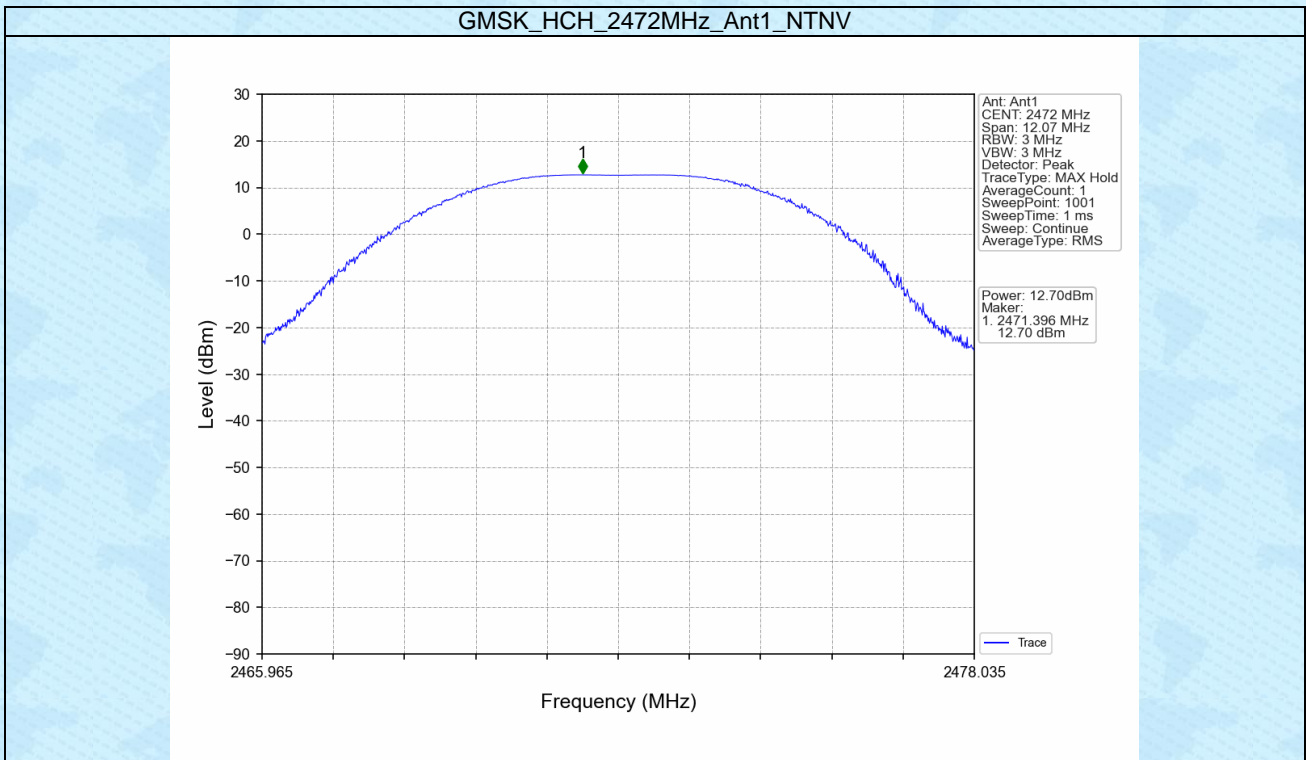
### 2.1 Test Result

| Mode | TX Type | Frequency (MHz) | Maximum Peak Conducted Output Power (dBm) |         | Verdict |
|------|---------|-----------------|-------------------------------------------|---------|---------|
|      |         |                 | ANT1                                      | Limit   |         |
| GMSK | SISO    | 2406            | 12.97                                     | <=20.97 | Pass    |
|      |         | 2440            | 13.14                                     | <=20.97 | Pass    |
|      |         | 2472            | 12.70                                     | <=20.97 | Pass    |

## 2.2 Test Graph





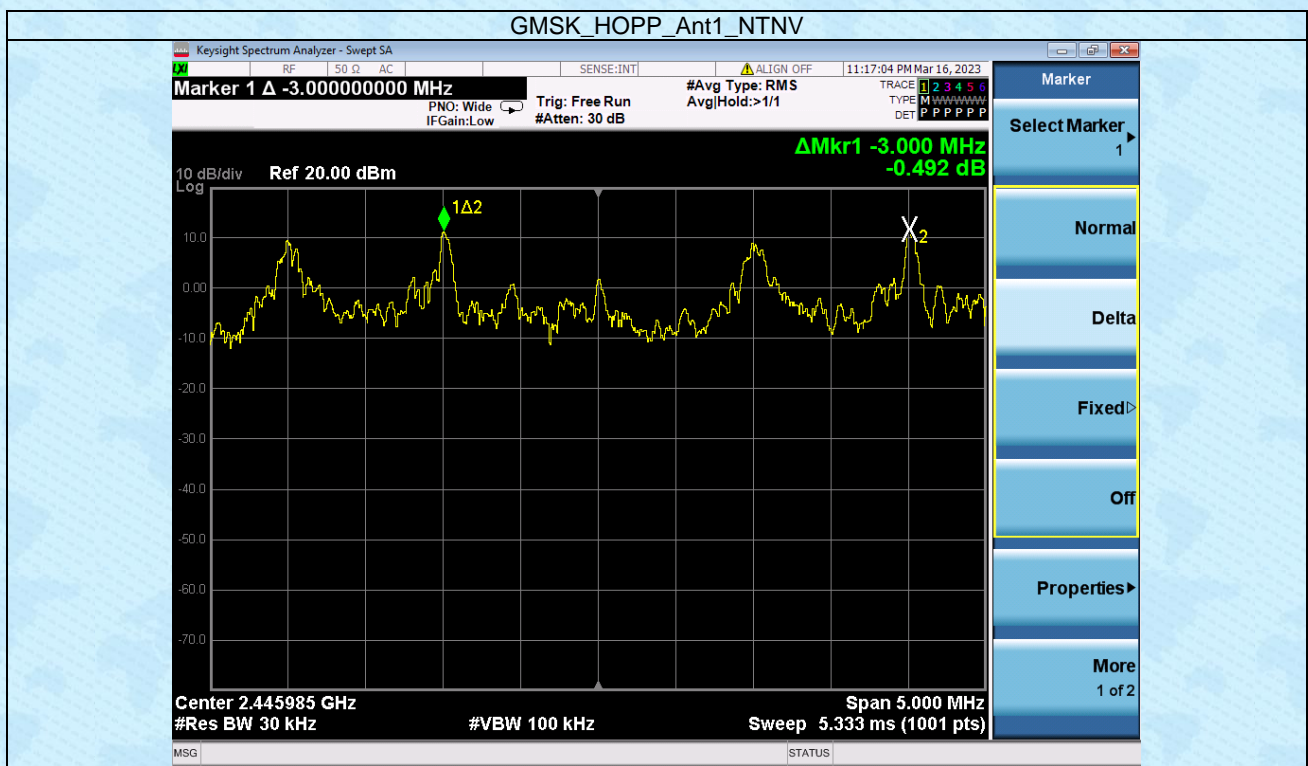


## 3. Carrier Frequency Separation

### 3.1 Test Result

| Ant1 |         |                 |                          |                      |             |         |
|------|---------|-----------------|--------------------------|----------------------|-------------|---------|
| Mode | TX Type | Frequency (MHz) | Channel Separation (MHz) | 20dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| GMSK | SISO    | HOPP            | 3.000                    | 2.467                | >=1.645     | Pass    |

### 3.2 Test Graph

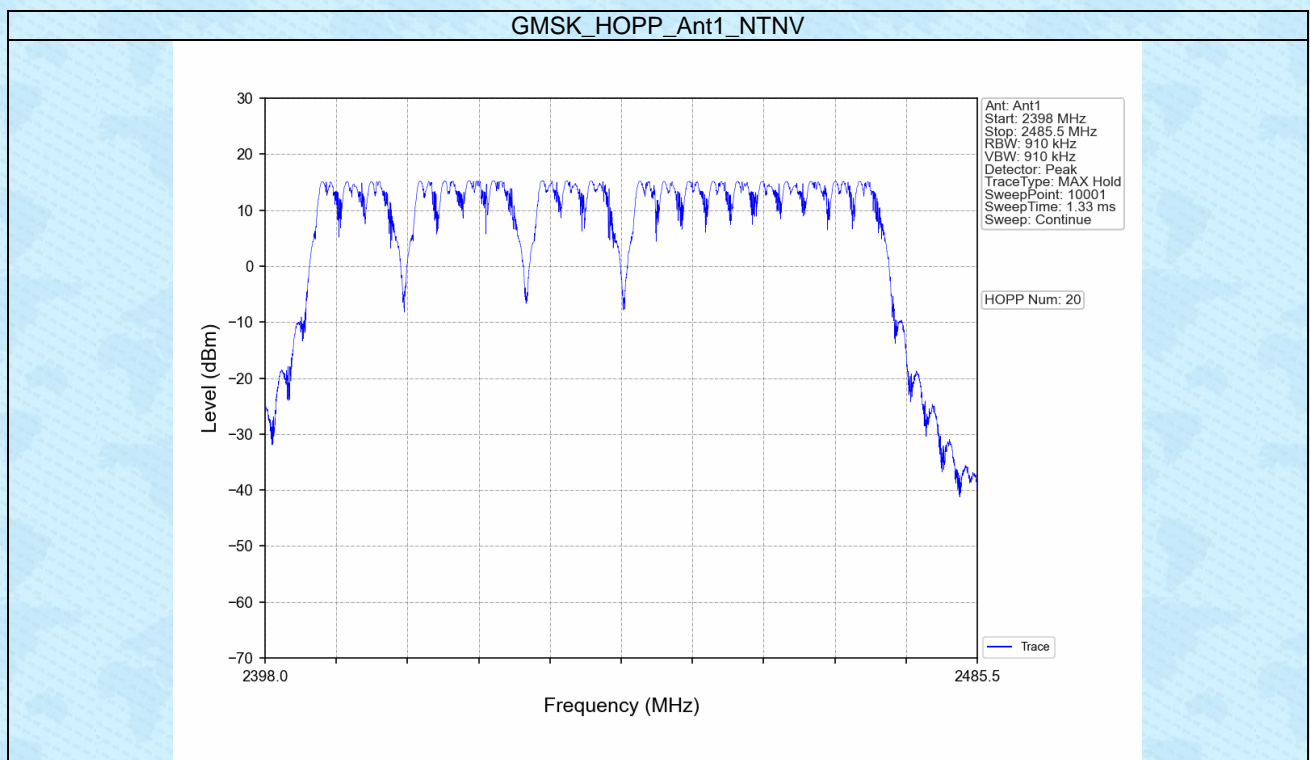


## 4. Number of Hopping Frequencies

### 4.1 Test Result

| Mode | TX Type | Frequency (MHz) | Num of Hopping Frequencies |       | Verdict |
|------|---------|-----------------|----------------------------|-------|---------|
|      |         |                 | ANT1                       | Limit |         |
| GMSK | SISO    | HOPP            | 20                         | >=15  | Pass    |

### 4.2 Test Graph

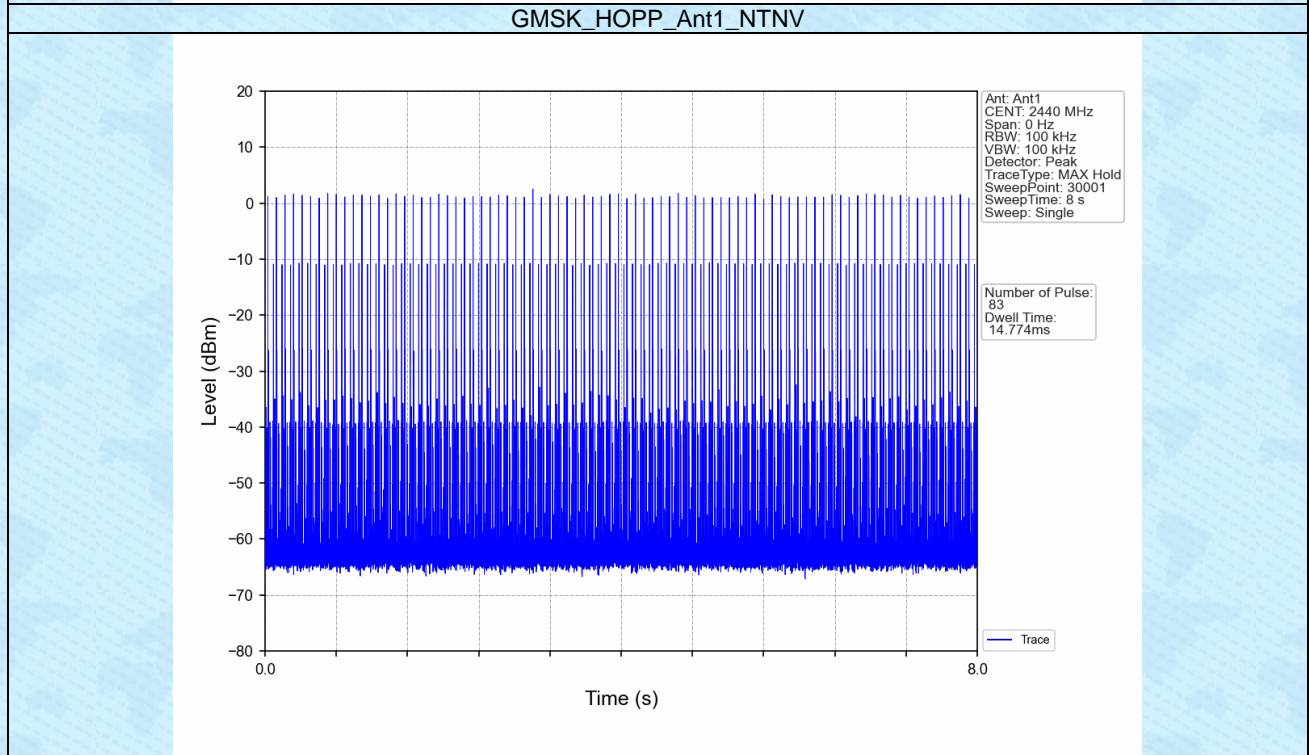
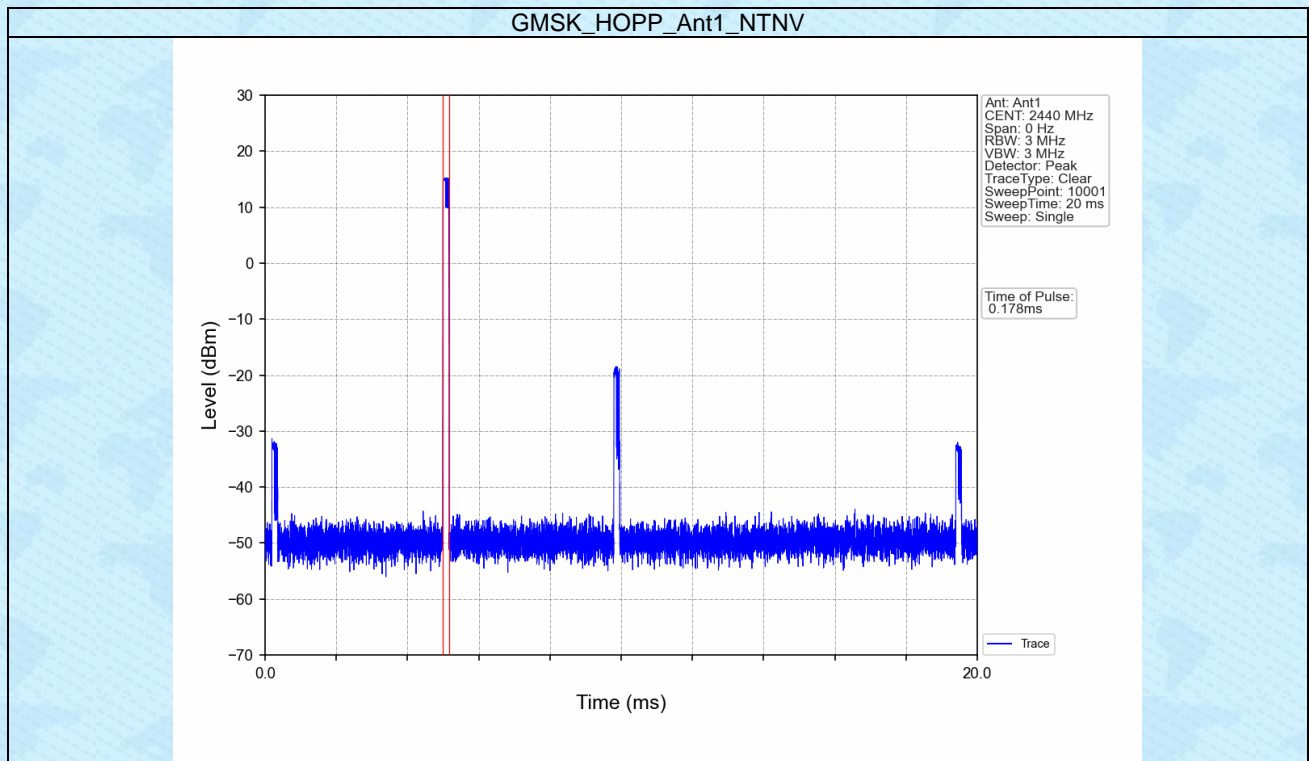


## 5. Time of Occupancy (Dwell Time)

### 5.1 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 |
| GMSK | SISO    | HOPP            | 0.178                         | 8.000                  | 83                                 | 14.774          | <=400      | Pass    |

## 5.2 Test Graph



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

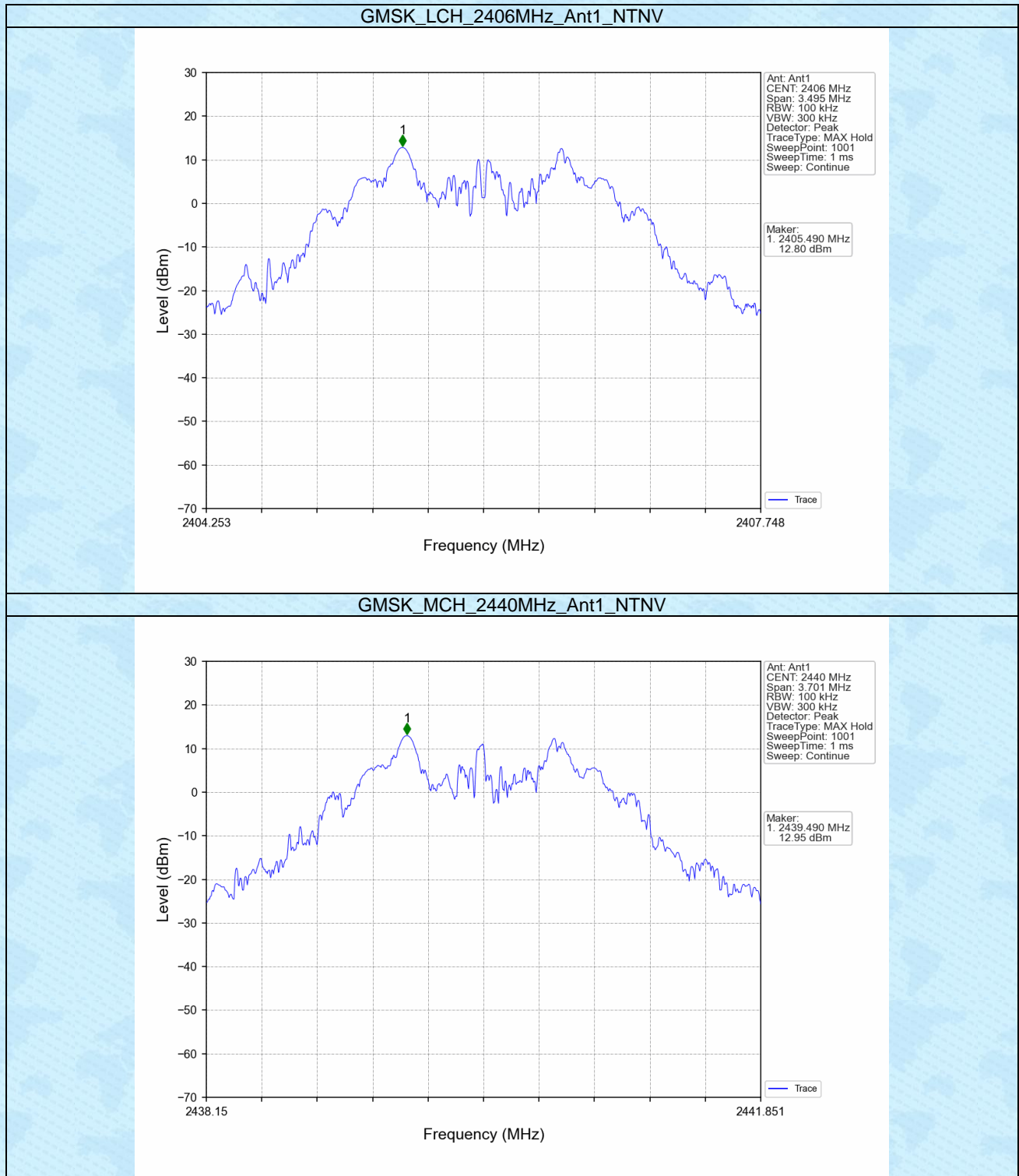
### 6.1 Ref

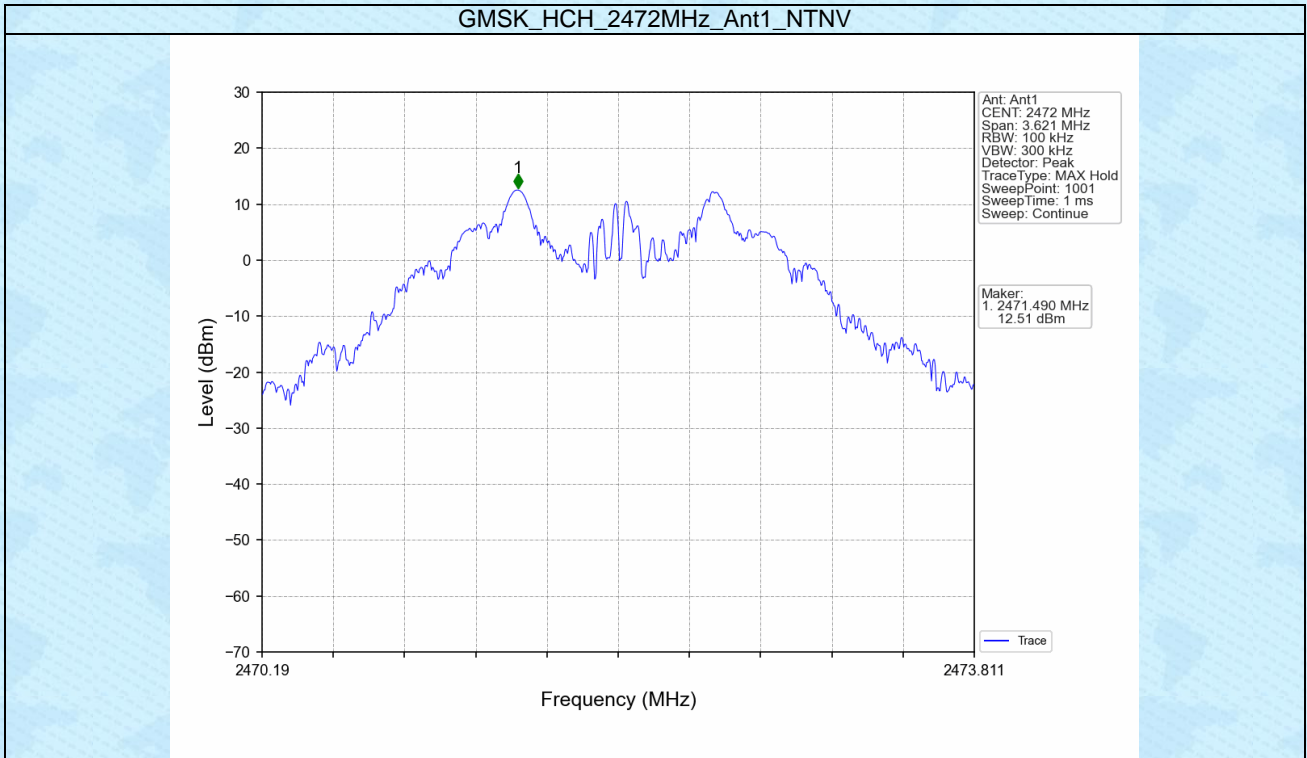
#### 6.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) |
|------|---------|-----------------|-----|--------------------------|
| GMSK | SISO    | 2406            | 1   | 12.80                    |
|      |         | 2440            | 1   | 12.95                    |
|      |         | 2472            | 1   | 12.51                    |

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







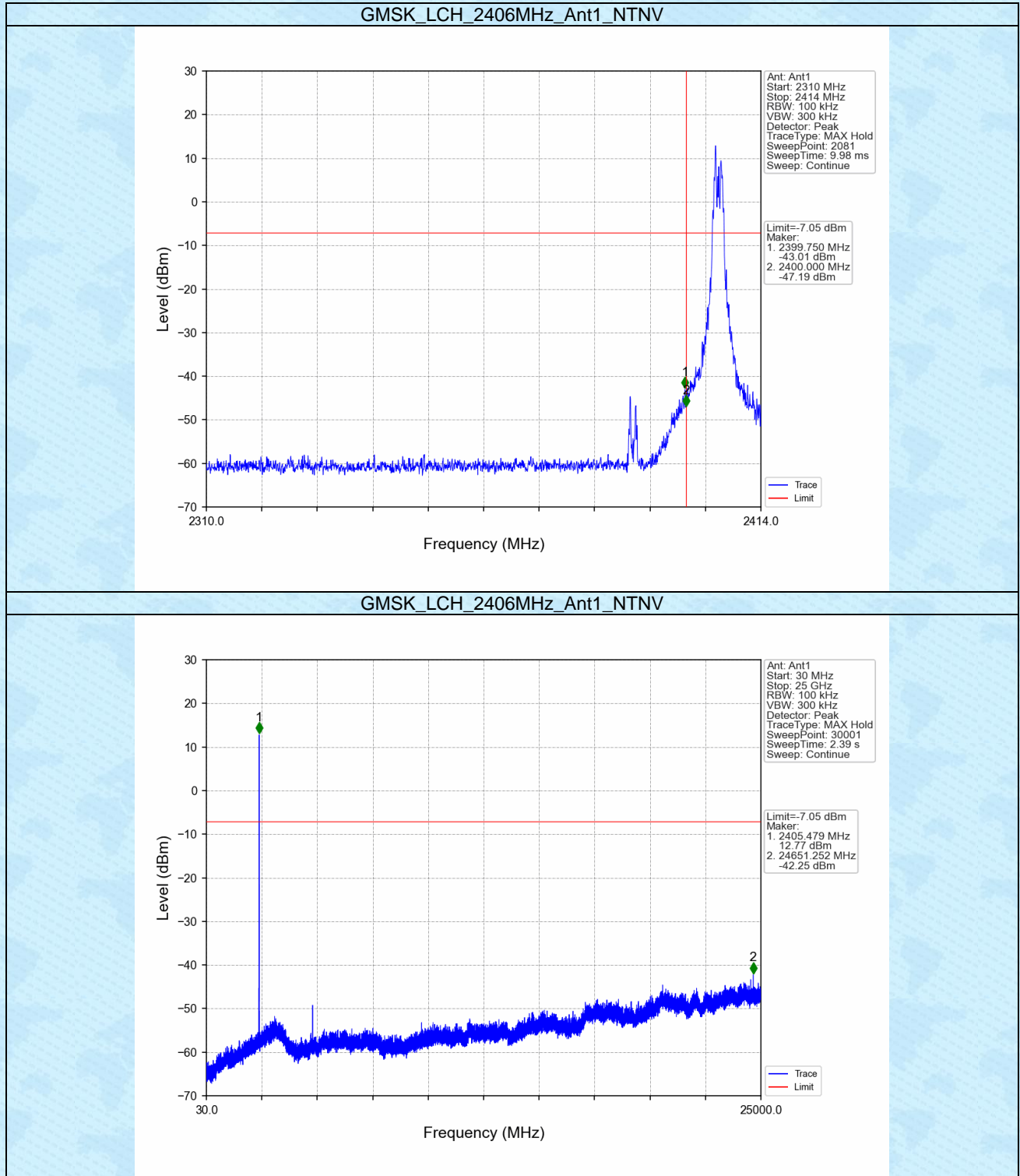
## 6.2 CSE

### 6.2.1 Test Result

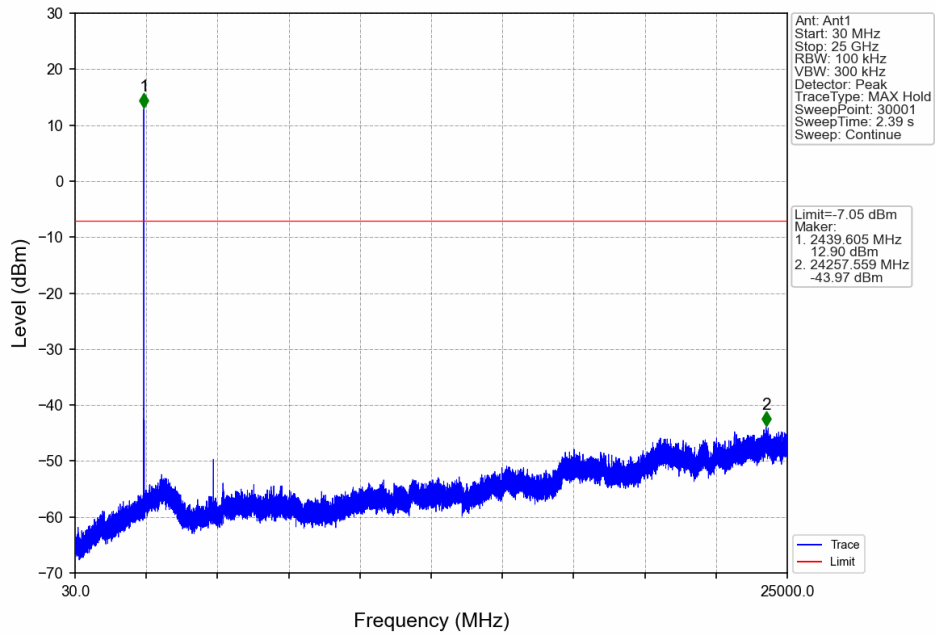
| Mode | TX Type | Frequency (MHz) | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|------|---------|-----------------|-----|--------------------------|-------------|---------|
| GMSK | SISO    | 2406            | 1   | 12.95                    | -7.05       | Pass    |
|      |         | 2440            | 1   | 12.95                    | -7.05       | Pass    |
|      |         | 2472            | 1   | 12.95                    | -7.05       | Pass    |
|      |         | HOPP            | 1   | 12.95                    | -7.05       | 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.

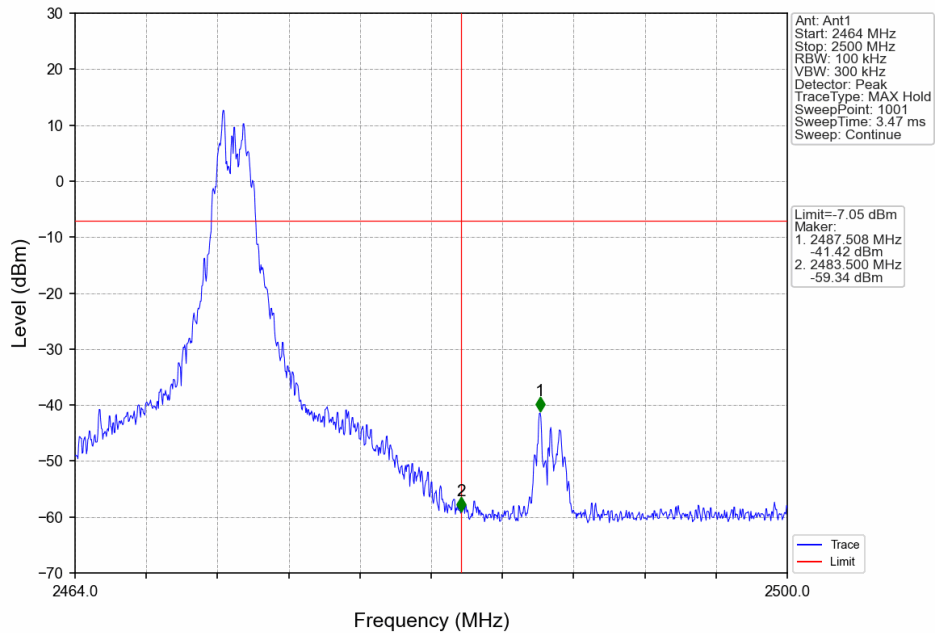
## 6.2.2 Test Graph



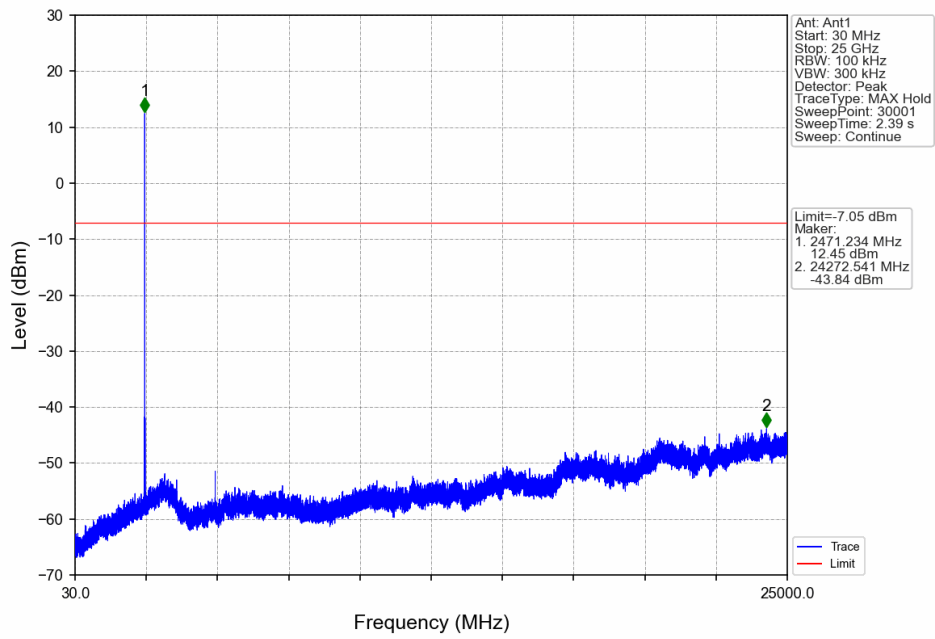
### GMSK\_MCH\_2440MHz\_Ant1\_NTNV



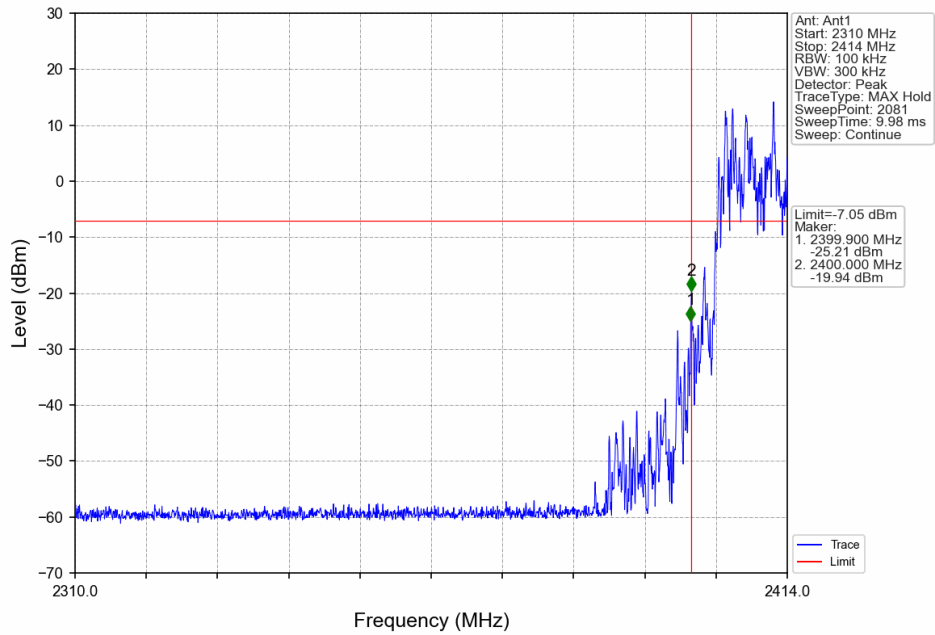
### GMSK\_HCH\_2472MHz\_Ant1\_NTNV

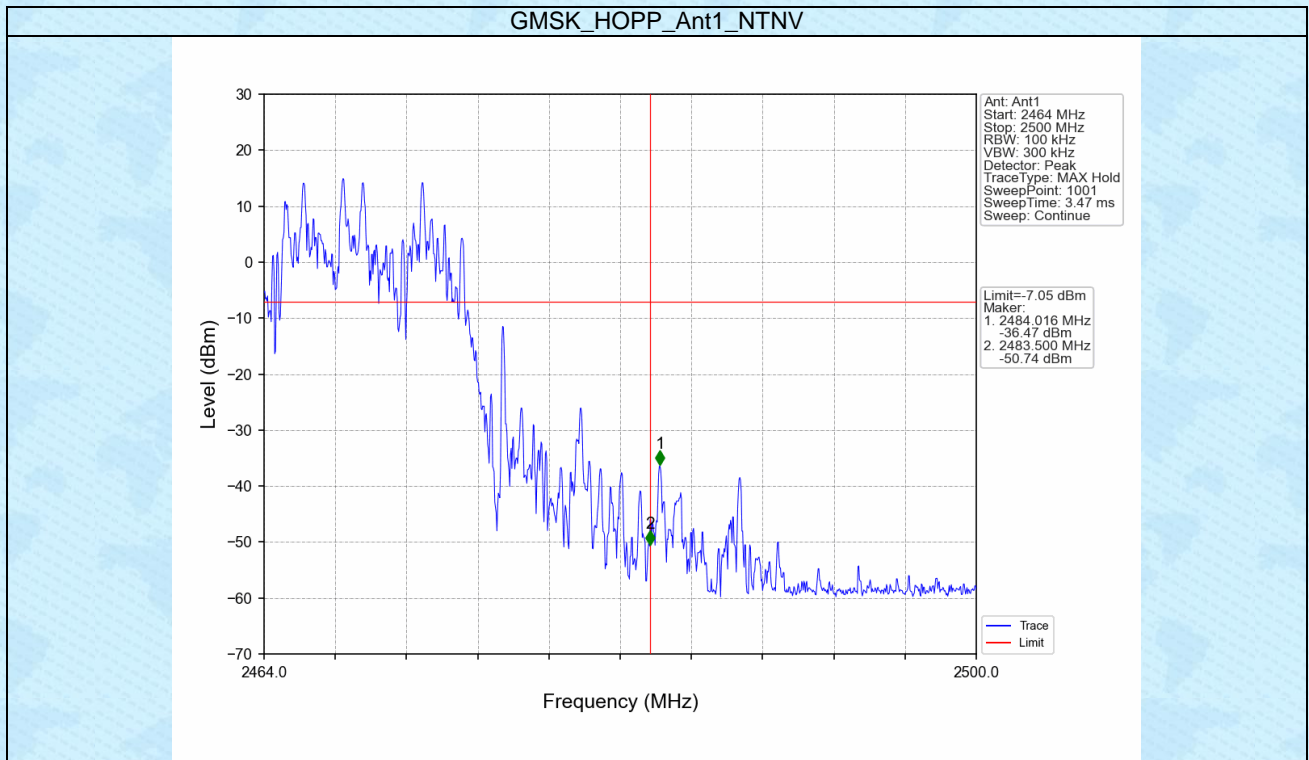


GMSK\_HCH\_2472MHz\_Ant1\_NTNV



GMSK\_HOPP\_Ant1\_NTNV





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