

## Appendix A

### RF Test Data for BR\_EDR(Conducted Measurement)

**Product Name:** roof speaker system

**Trade Mark:** N/A

**Test Model:** KM-RWS-XP1

#### Environmental Conditions

|                    |             |
|--------------------|-------------|
| Temperature:       | 24.6°C      |
| Relative Humidity: | 51.4%       |
| ATM Pressure:      | 101Kpa      |
| Test Engineer:     | Simba Huang |
| Supervised by:     | Seal Chen   |

## Test Summary

| Item                                                 | Result |
|------------------------------------------------------|--------|
| Duty Cycle                                           | Pass   |
| Bandwidth                                            | Pass   |
| Maximum Conducted Output Power                       | Pass   |
| Carrier Frequency Separation                         | Pass   |
| Number of Hopping Frequencies                        | Pass   |
| Time of Occupancy (Dwell Time)                       | Pass   |
| Unwanted Emissions In Non-restricted Frequency Bands | Pass   |

## 1. Duty Cycle

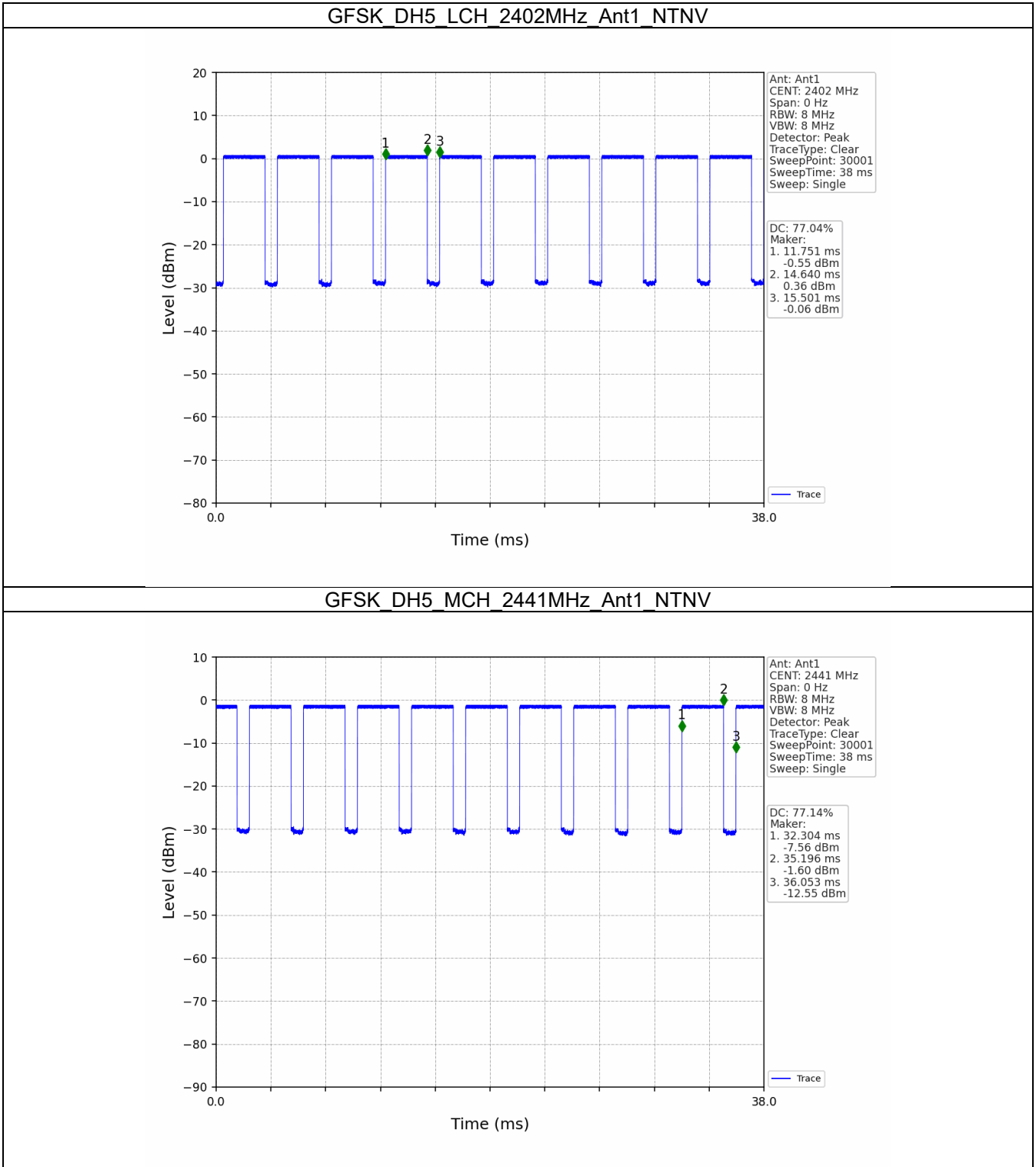
### 1.1 Test Result

#### 1.1.1 Ant1

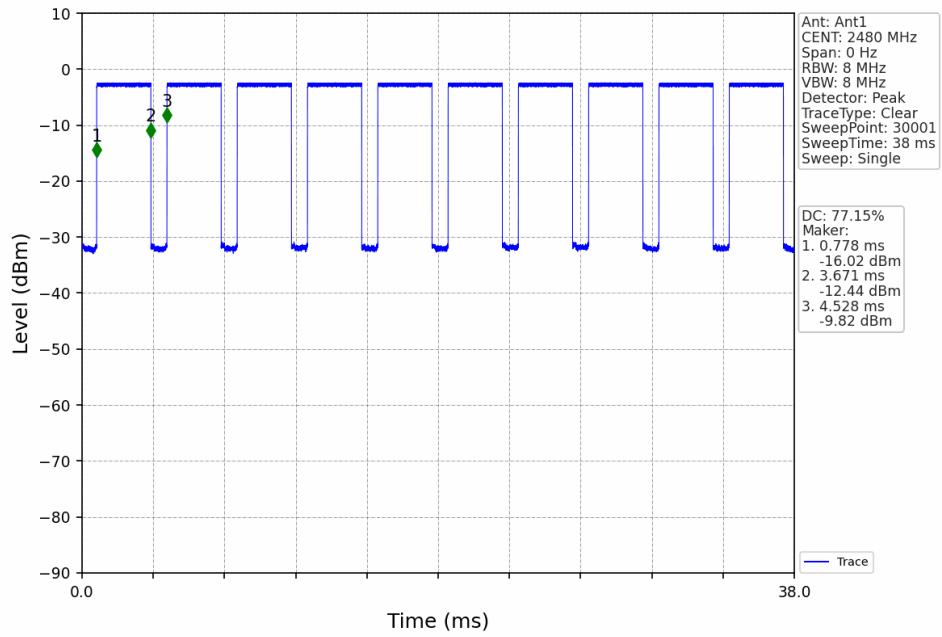
| Ant1           |         |                 |             |           |             |                |                                   |                       |
|----------------|---------|-----------------|-------------|-----------|-------------|----------------|-----------------------------------|-----------------------|
| Mode           | TX Type | Frequency (MHz) | Packet Type | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) |
| GFSK           | SISO    | 2402            | DH5         | 2.889     | 3.750       | 77.04          | 1.13                              | 0.03                  |
|                |         | 2441            | DH5         | 2.892     | 3.749       | 77.14          | 1.13                              | 0.03                  |
|                |         | 2480            | DH5         | 2.893     | 3.750       | 77.15          | 1.13                              | 0.03                  |
| $\pi/4$ -DQPSK | SISO    | 2402            | 2DH5        | 2.888     | 3.750       | 77.01          | 1.13                              | 0.03                  |
|                |         | 2441            | 2DH5        | 2.889     | 3.751       | 77.02          | 1.13                              | 0.03                  |
|                |         | 2480            | 2DH5        | 2.888     | 3.750       | 77.01          | 1.13                              | 0.01                  |
| 8DPSK          | SISO    | 2402            | 3DH5        | 2.889     | 3.750       | 77.04          | 1.13                              | 0.03                  |
|                |         | 2441            | 3DH5        | 2.889     | 3.751       | 77.02          | 1.13                              | 0.03                  |
|                |         | 2480            | 3DH5        | 2.889     | 3.750       | 77.04          | 1.13                              | 0.03                  |

## 1.2 Test Graph

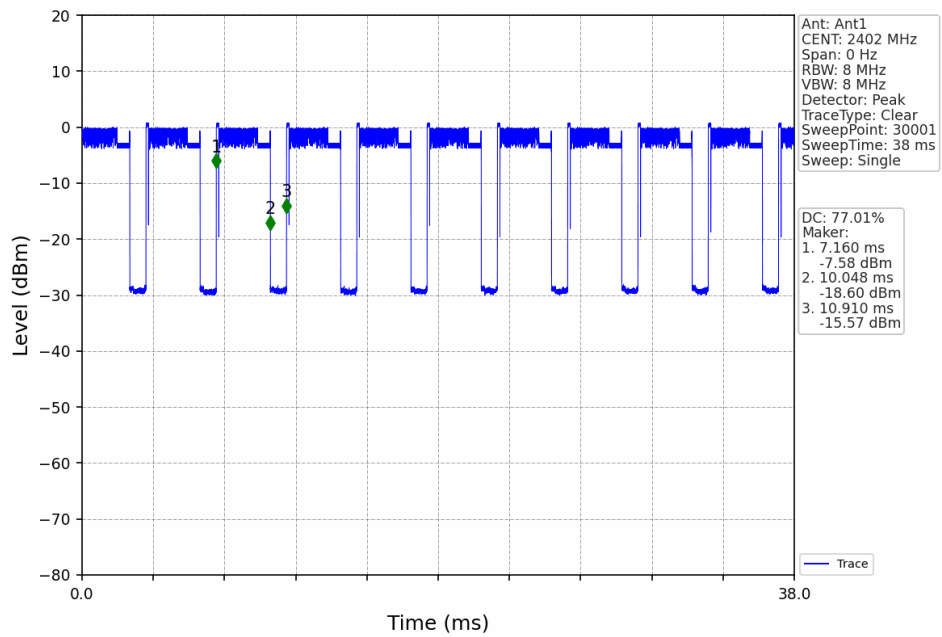
### 1.2.1 Ant1



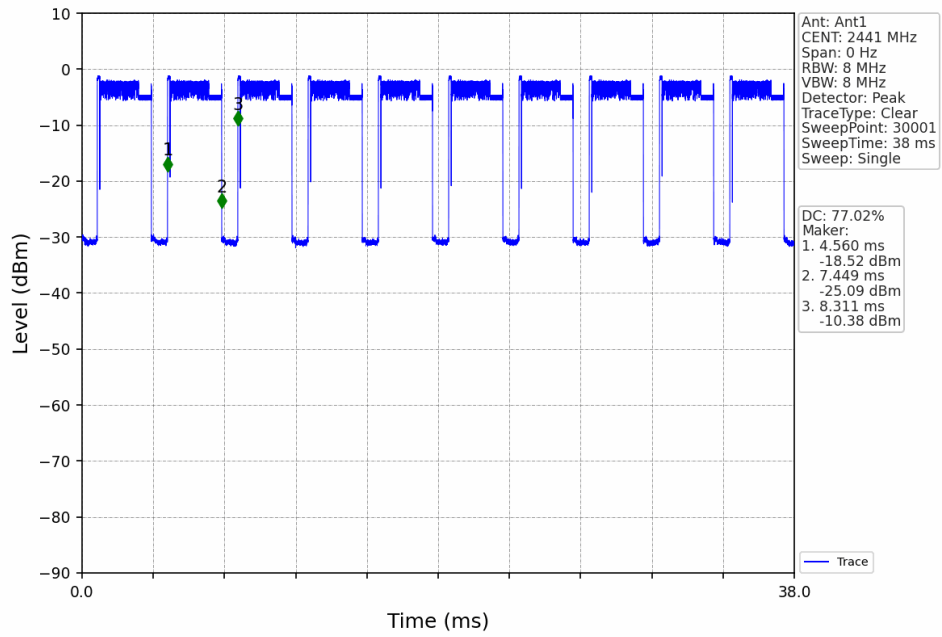
GFSK DH5 HCH 2480MHz Ant1 NTN



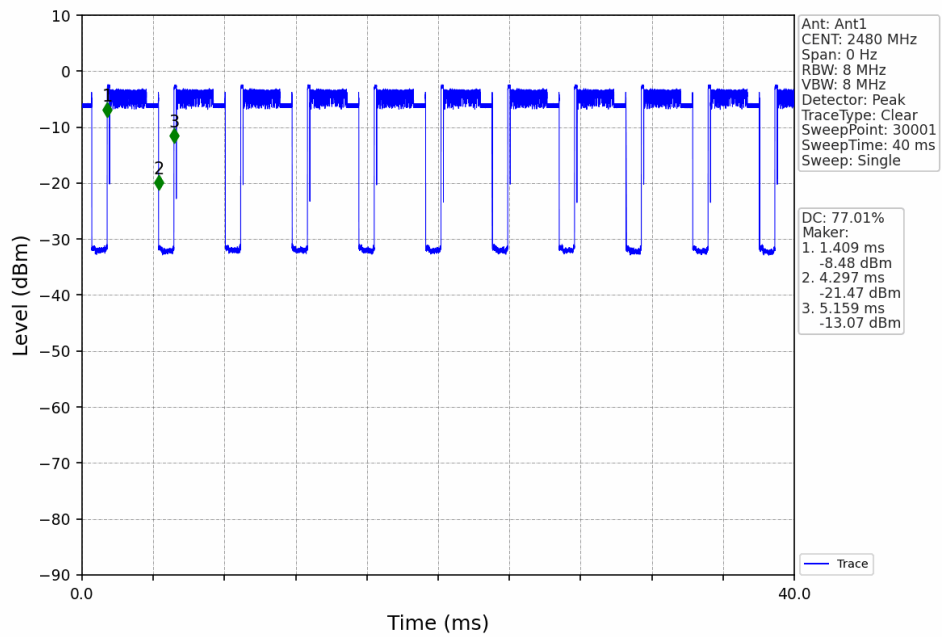
$\pi/4$ -DQPSK 2DH5 LCH 2402MHz Ant1 NTN



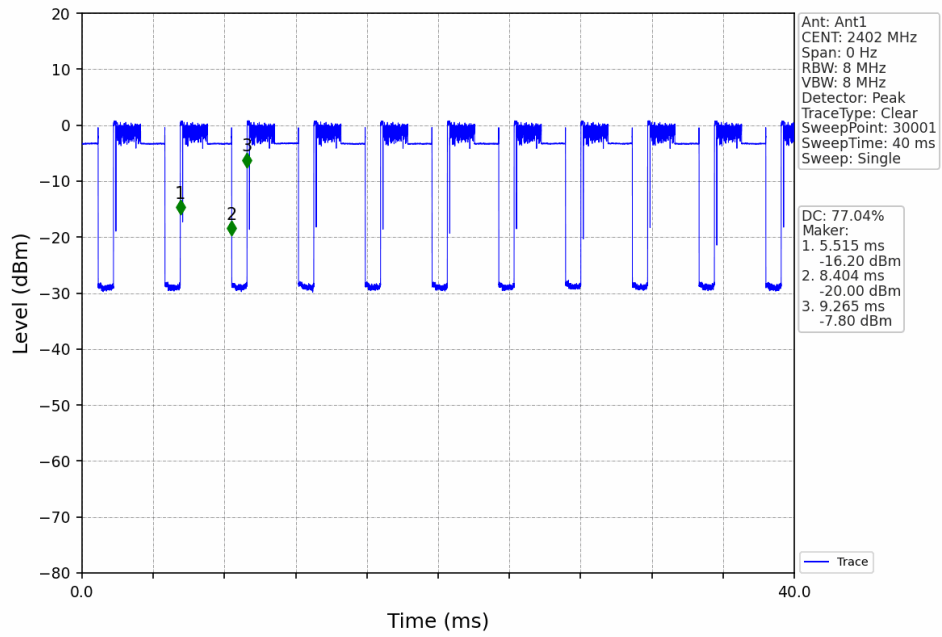
$\pi/4$ -DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



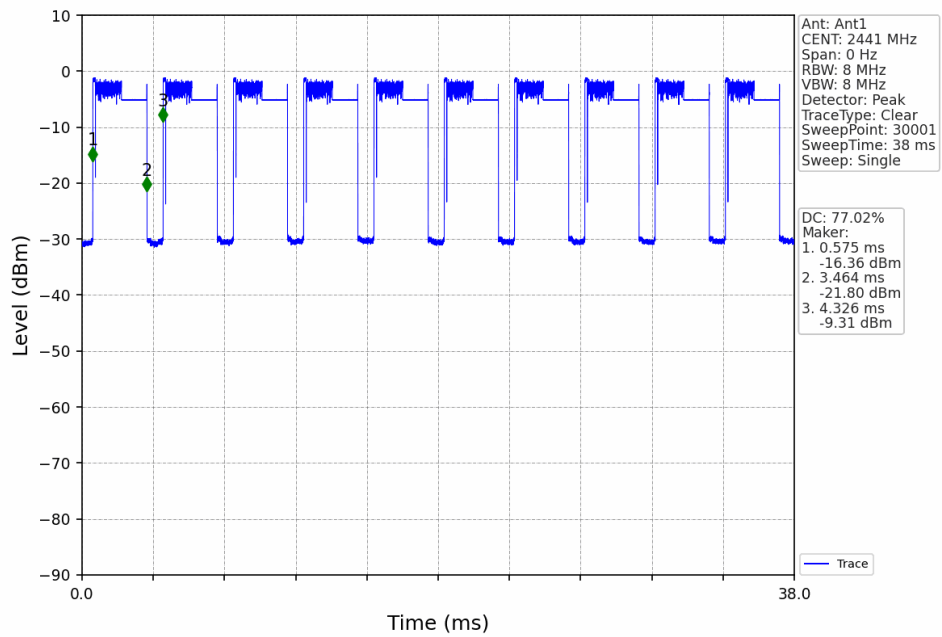
$\pi/4$ -DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



### 8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV

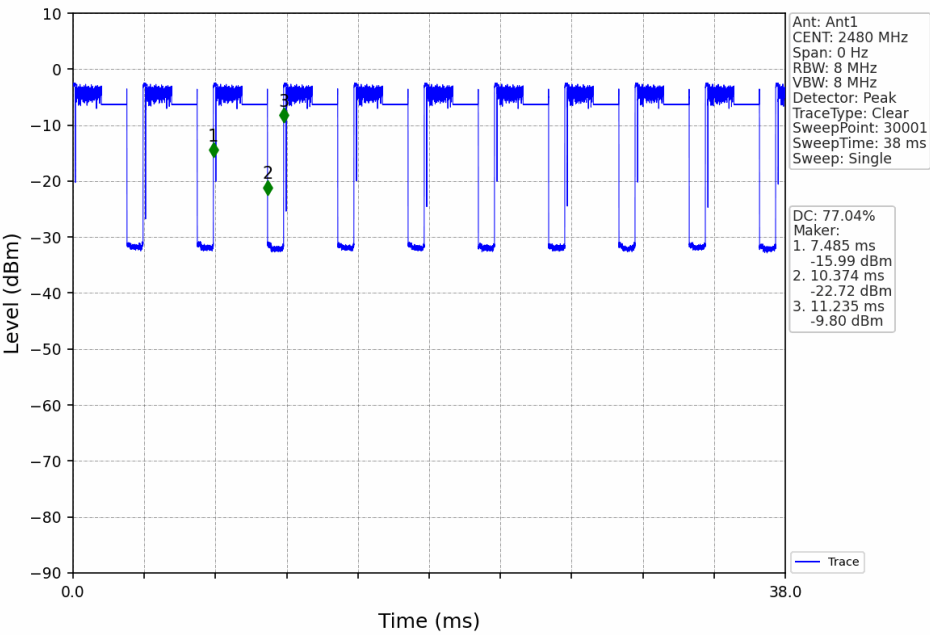


### 8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV





8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



## 2. Bandwidth

### 2.1 Test Result

#### 2.1.1 OBW

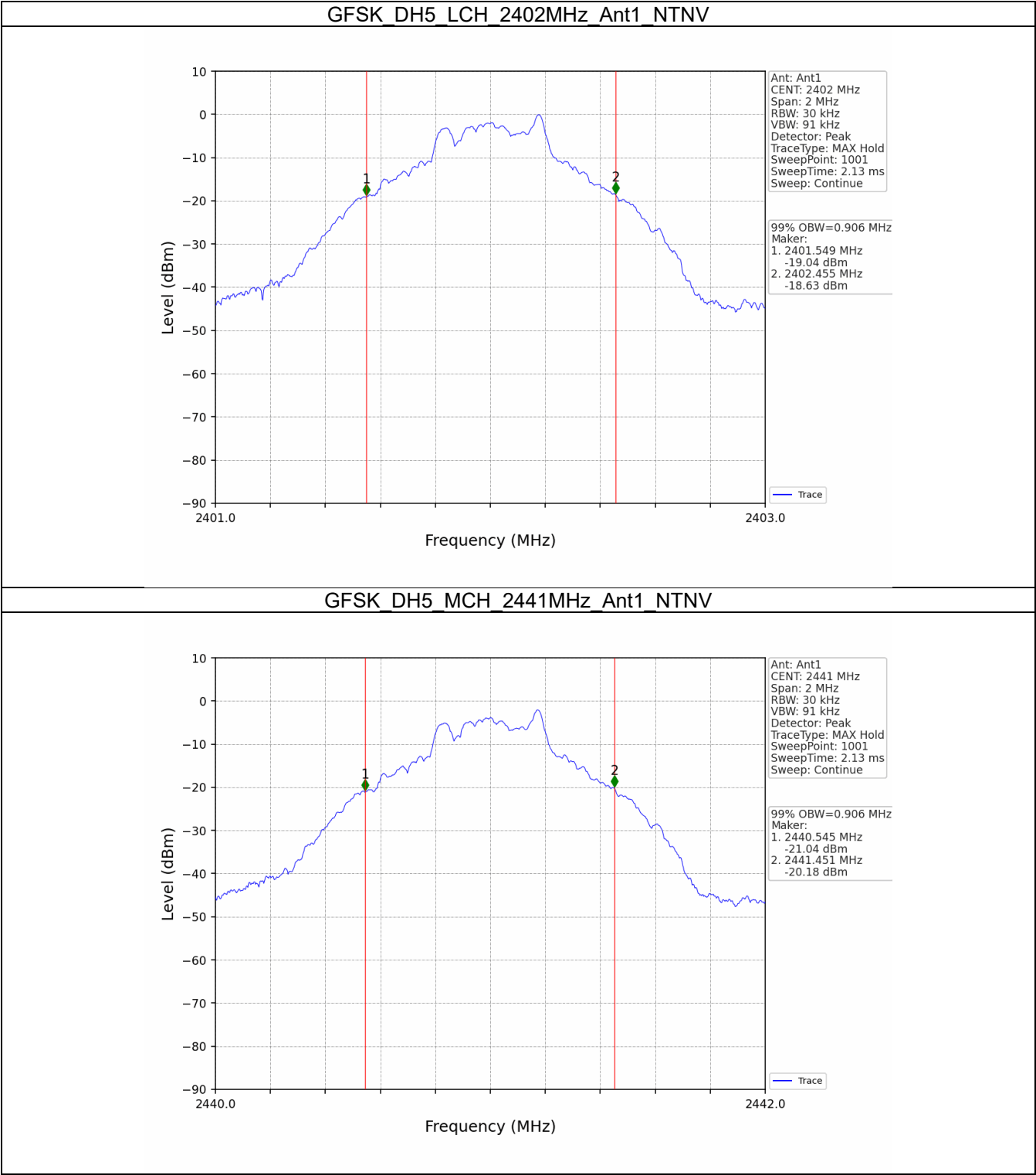
| Mode           | TX Type | Frequency (MHz) | Packet Type | ANT | 99% Occupied Bandwidth (MHz) |       | Verdict |
|----------------|---------|-----------------|-------------|-----|------------------------------|-------|---------|
|                |         |                 |             |     | Result                       | Limit |         |
| GFSK           | SISO    | 2402            | DH5         | 1   | 0.906                        | /     | Pass    |
|                |         | 2441            | DH5         | 1   | 0.906                        | /     | Pass    |
|                |         | 2480            | DH5         | 1   | 0.904                        | /     | Pass    |
| $\pi/4$ -DQPSK | SISO    | 2402            | 2DH5        | 1   | 1.188                        | /     | Pass    |
|                |         | 2441            | 2DH5        | 1   | 1.190                        | /     | Pass    |
|                |         | 2480            | 2DH5        | 1   | 1.189                        | /     | Pass    |
| 8DPSK          | SISO    | 2402            | 3DH5        | 1   | 1.179                        | /     | Pass    |
|                |         | 2441            | 3DH5        | 1   | 1.181                        | /     | Pass    |
|                |         | 2480            | 3DH5        | 1   | 1.182                        | /     | Pass    |

#### 2.1.2 20dB BW

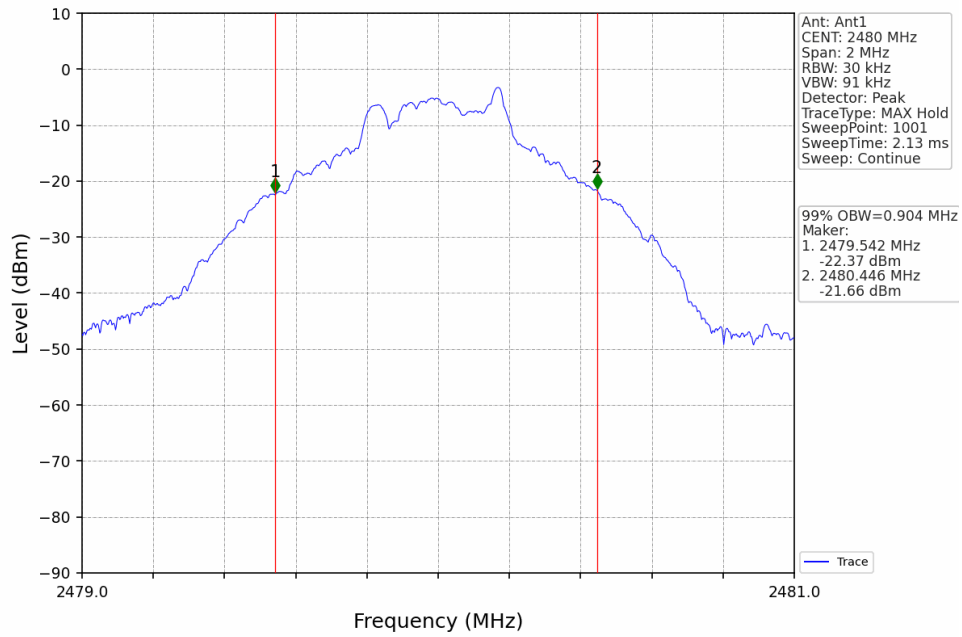
| Mode           | TX Type | Frequency (MHz) | Packet Type | ANT | 20dB Bandwidth (MHz) |       | Verdict |
|----------------|---------|-----------------|-------------|-----|----------------------|-------|---------|
|                |         |                 |             |     | Result               | Limit |         |
| GFSK           | SISO    | 2402            | DH5         | 1   | 0.981                | /     | Pass    |
|                |         | 2441            | DH5         | 1   | 0.980                | /     | Pass    |
|                |         | 2480            | DH5         | 1   | 0.969                | /     | Pass    |
| $\pi/4$ -DQPSK | SISO    | 2402            | 2DH5        | 1   | 1.317                | /     | Pass    |
|                |         | 2441            | 2DH5        | 1   | 1.323                | /     | Pass    |
|                |         | 2480            | 2DH5        | 1   | 1.322                | /     | Pass    |
| 8DPSK          | SISO    | 2402            | 3DH5        | 1   | 1.311                | /     | Pass    |
|                |         | 2441            | 3DH5        | 1   | 1.314                | /     | Pass    |
|                |         | 2480            | 3DH5        | 1   | 1.313                | /     | Pass    |

## 2.2 Test Graph

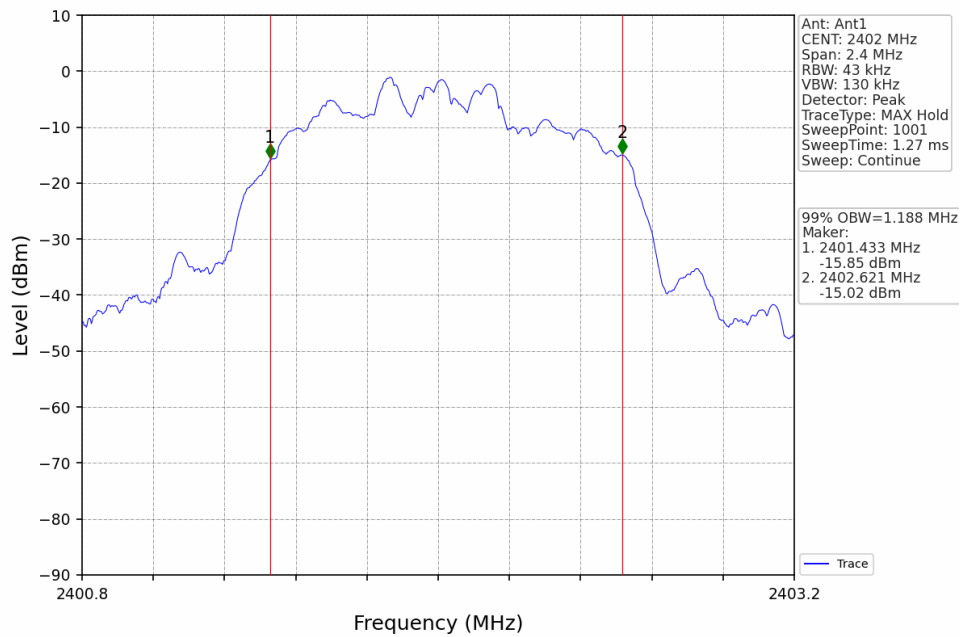
### 2.2.1 OBW



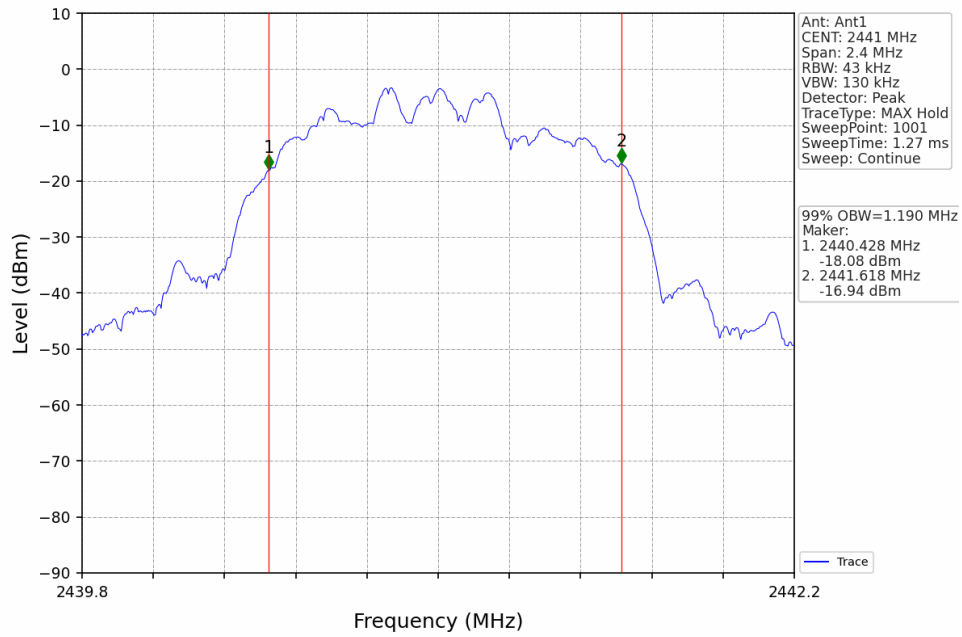
GFSK DH5 HCH 2480MHz Ant1 NTN



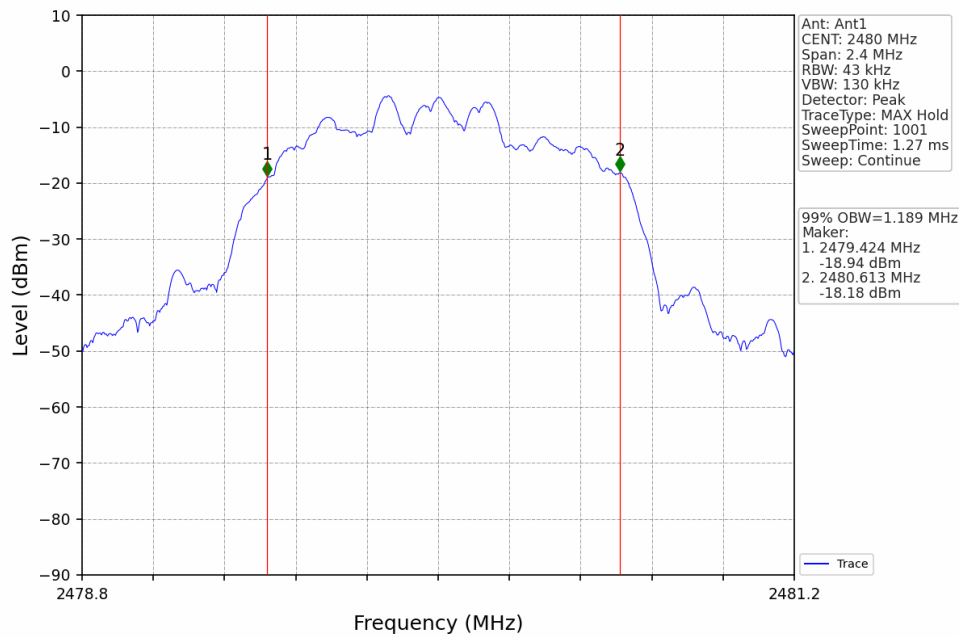
$\pi/4$ -DQPSK 2DH5 LCH 2402MHz Ant1 NTN



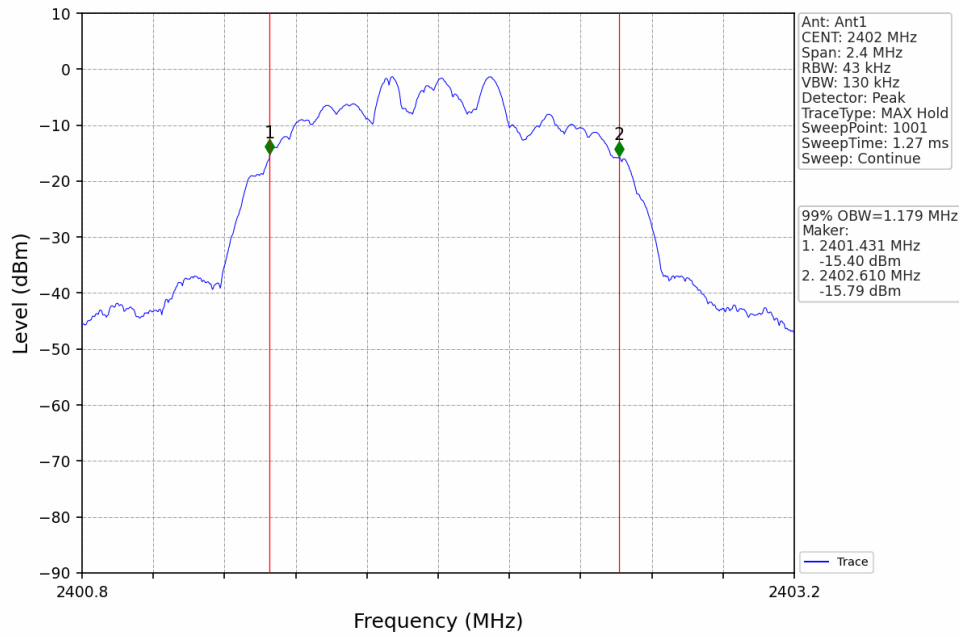
$\pi/4$ -DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



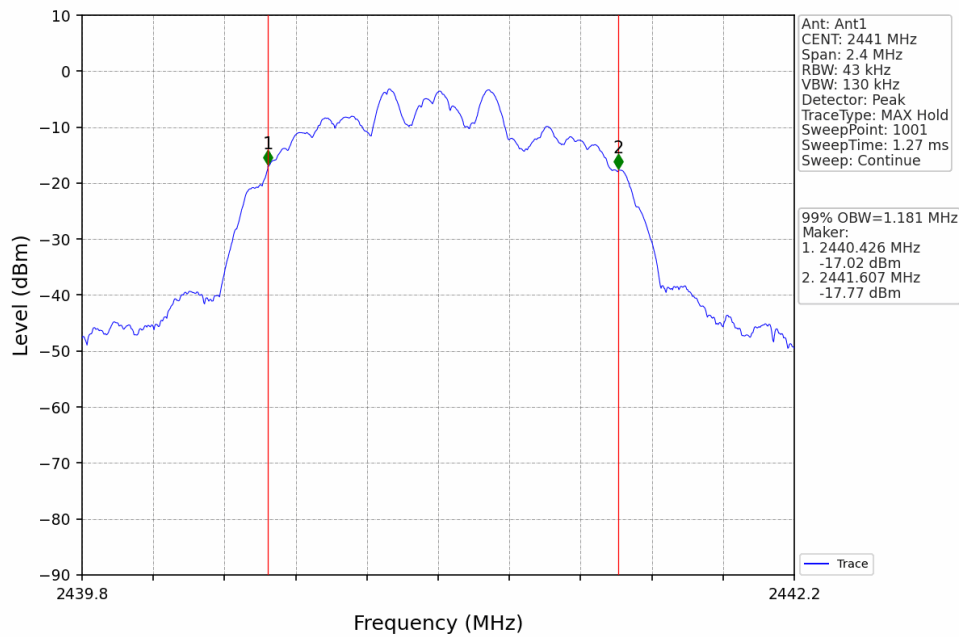
$\pi/4$ -DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



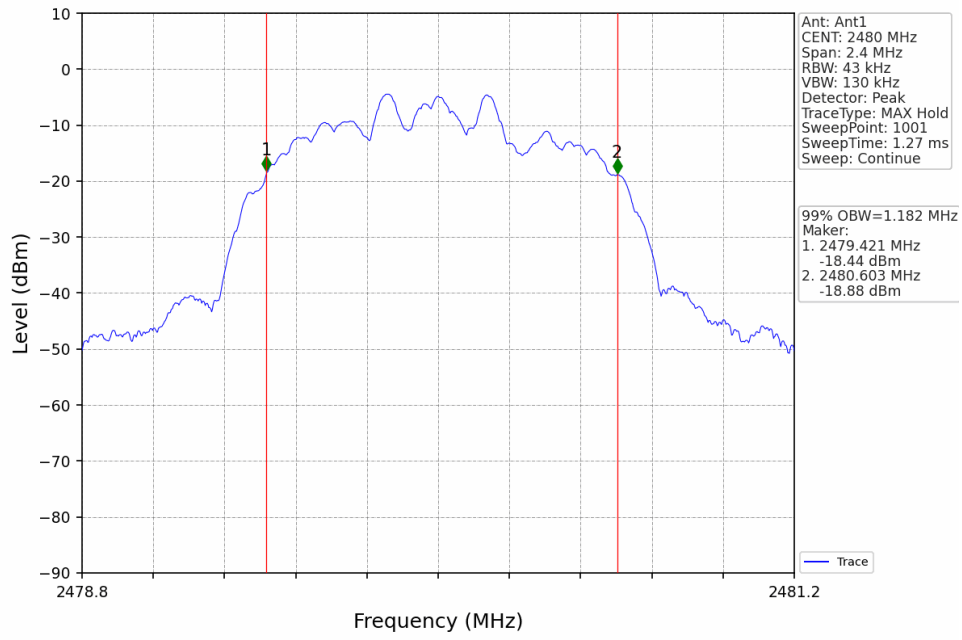
8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



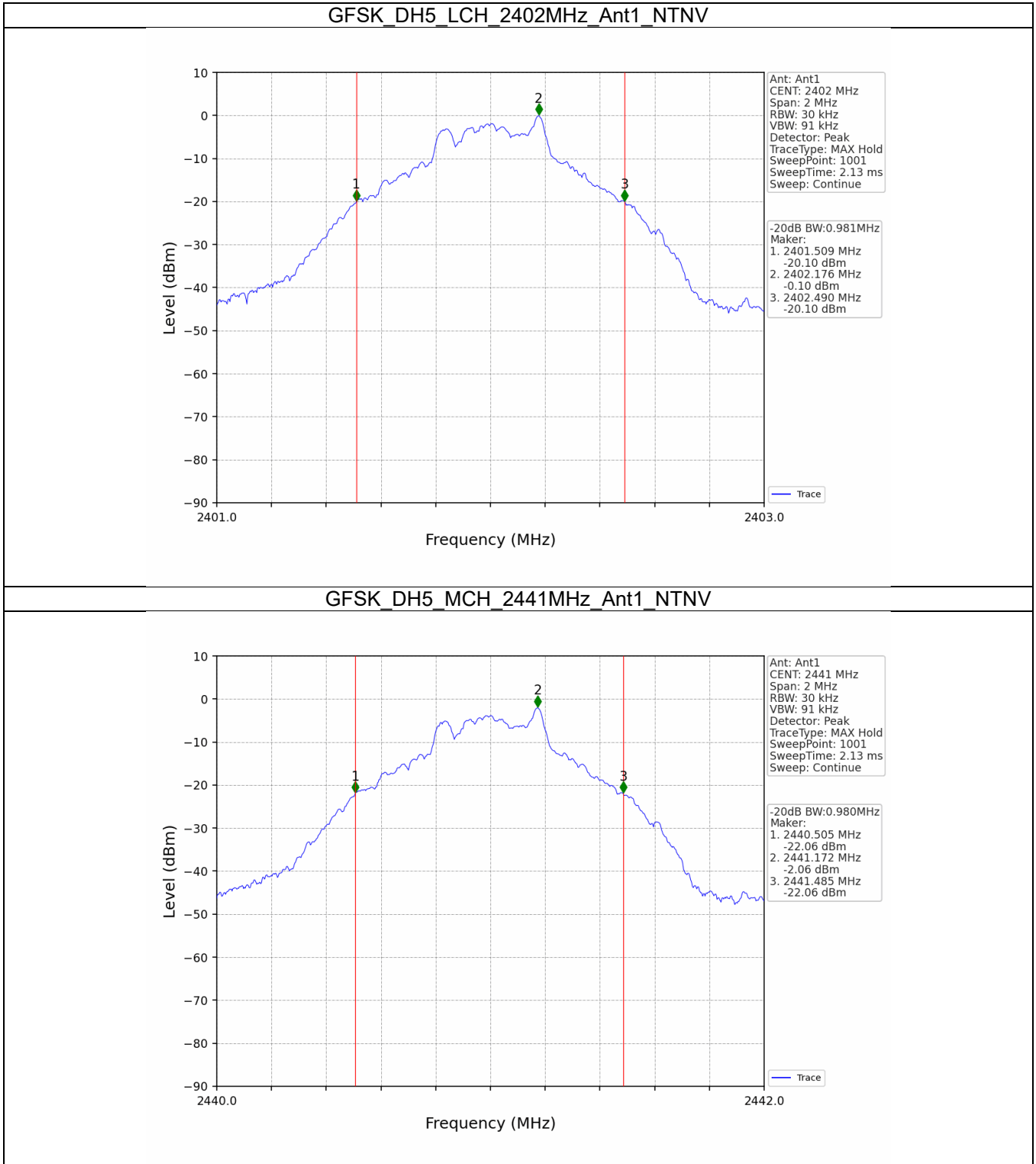
8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV



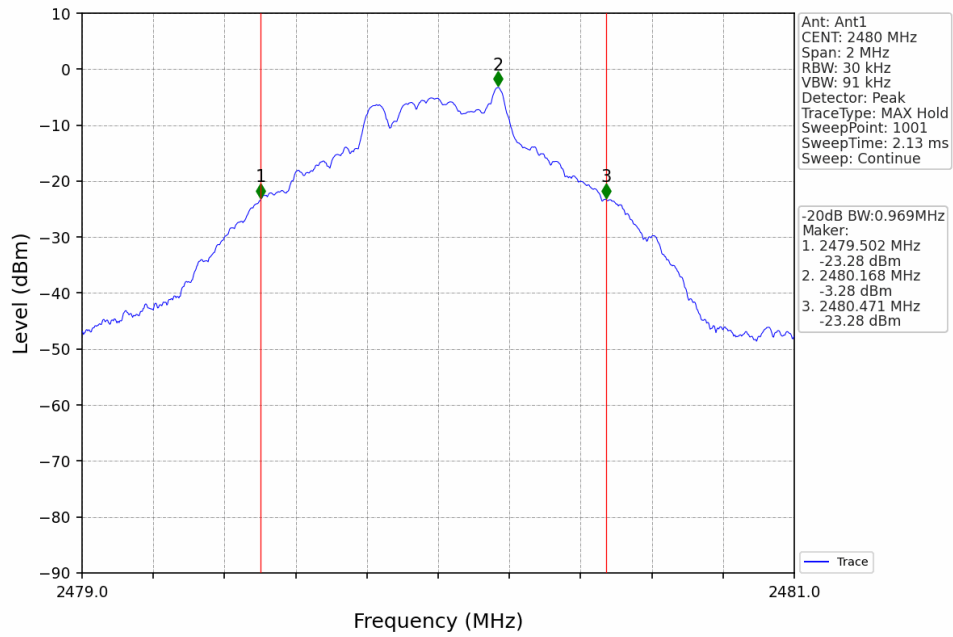
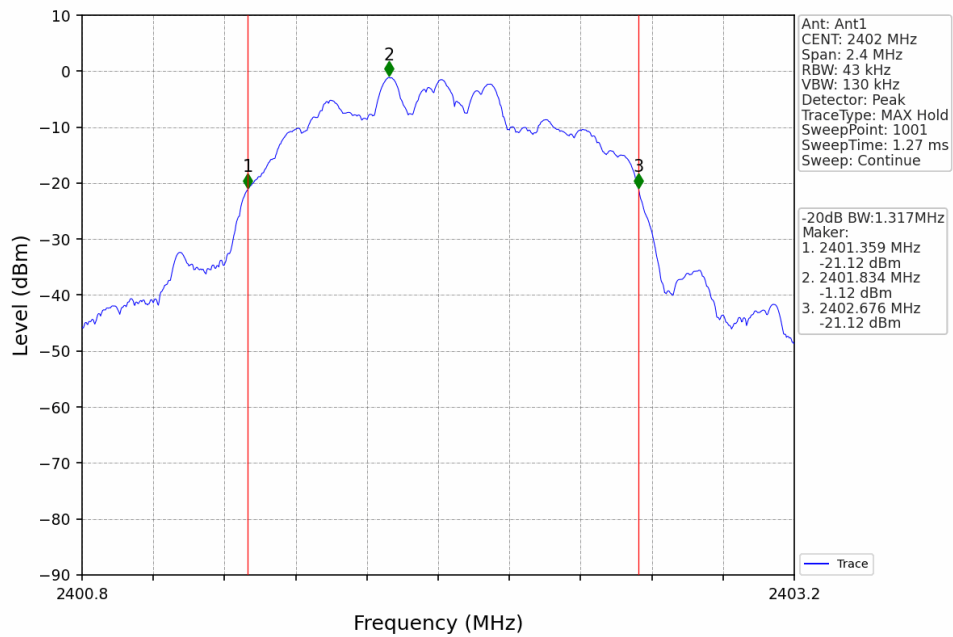
8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



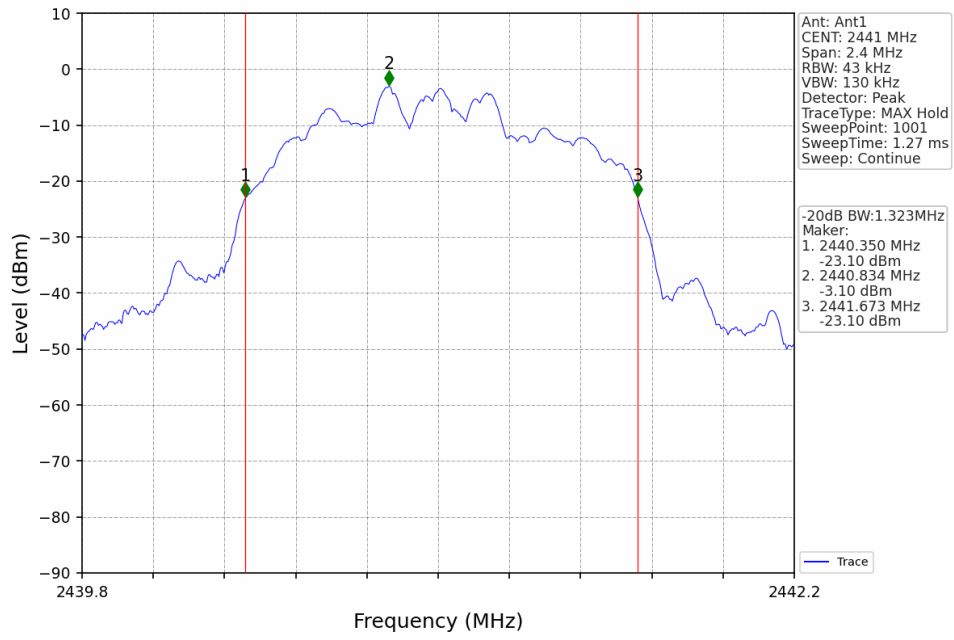
## 2.2.2 20dB BW



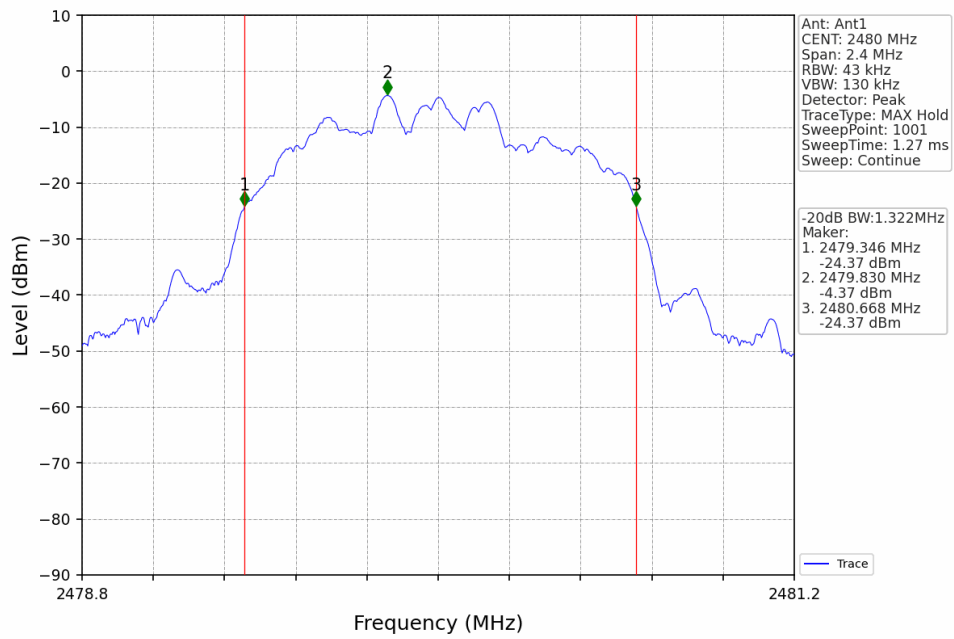
## GFSK DH5 HCH 2480MHz Ant1 NTN


 $\pi/4$ -DQPSK 2DH5 LCH 2402MHz Ant1 NTN


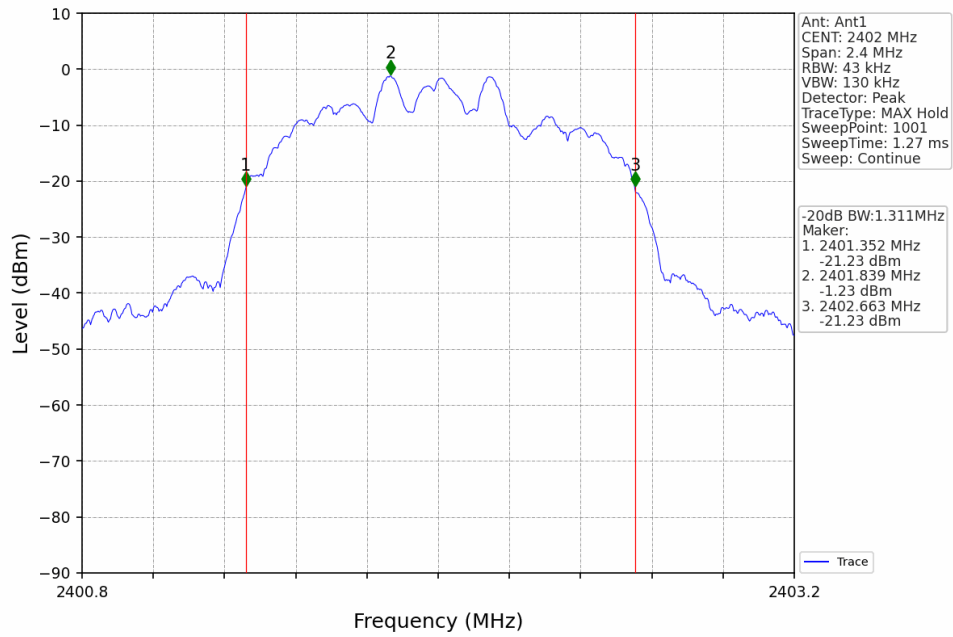
$\pi/4$ -DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



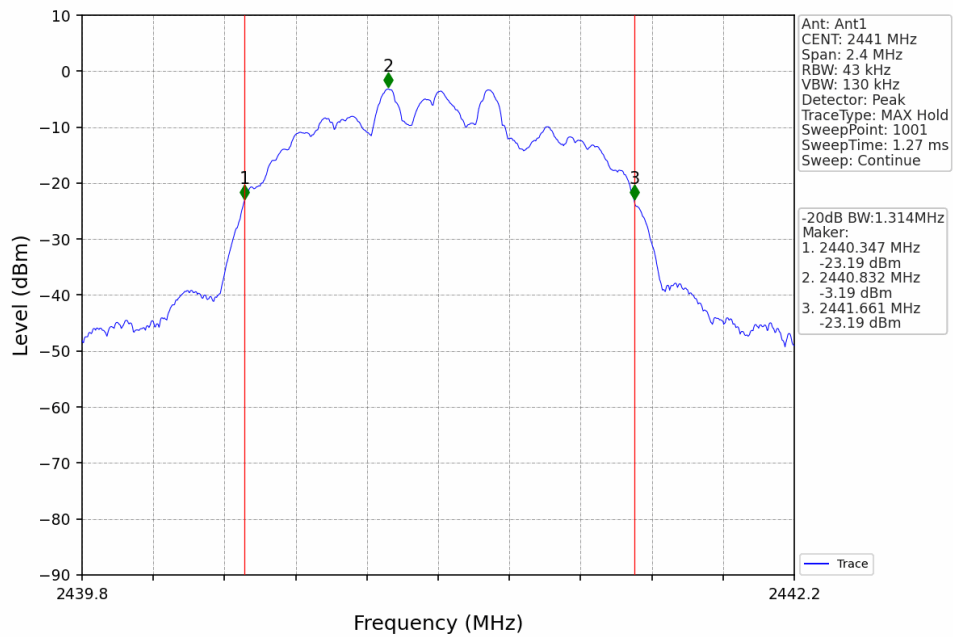
$\pi/4$ -DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



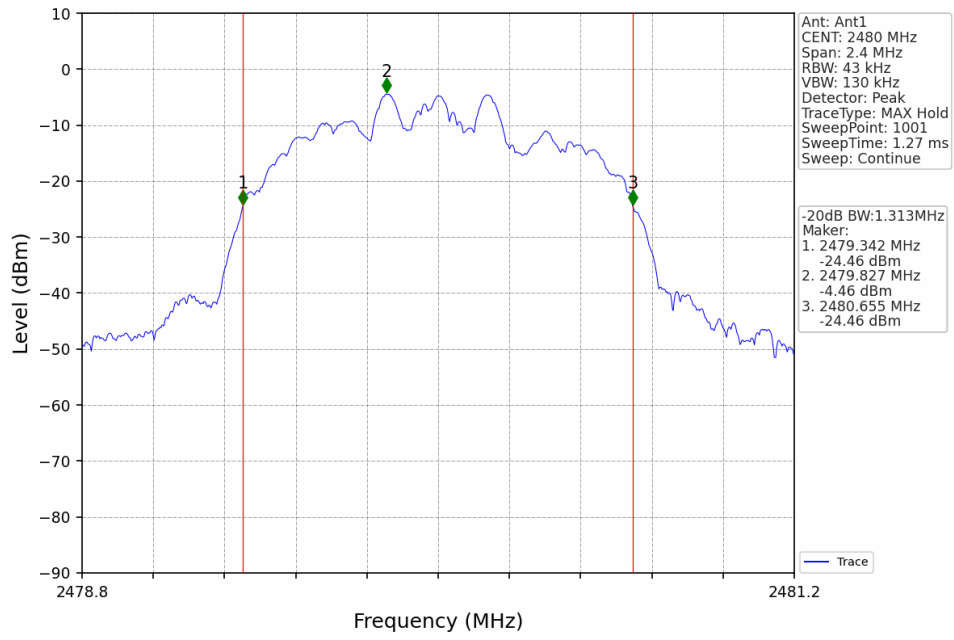
### 8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



### 8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV



8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



### 3. Maximum Conducted Output Power

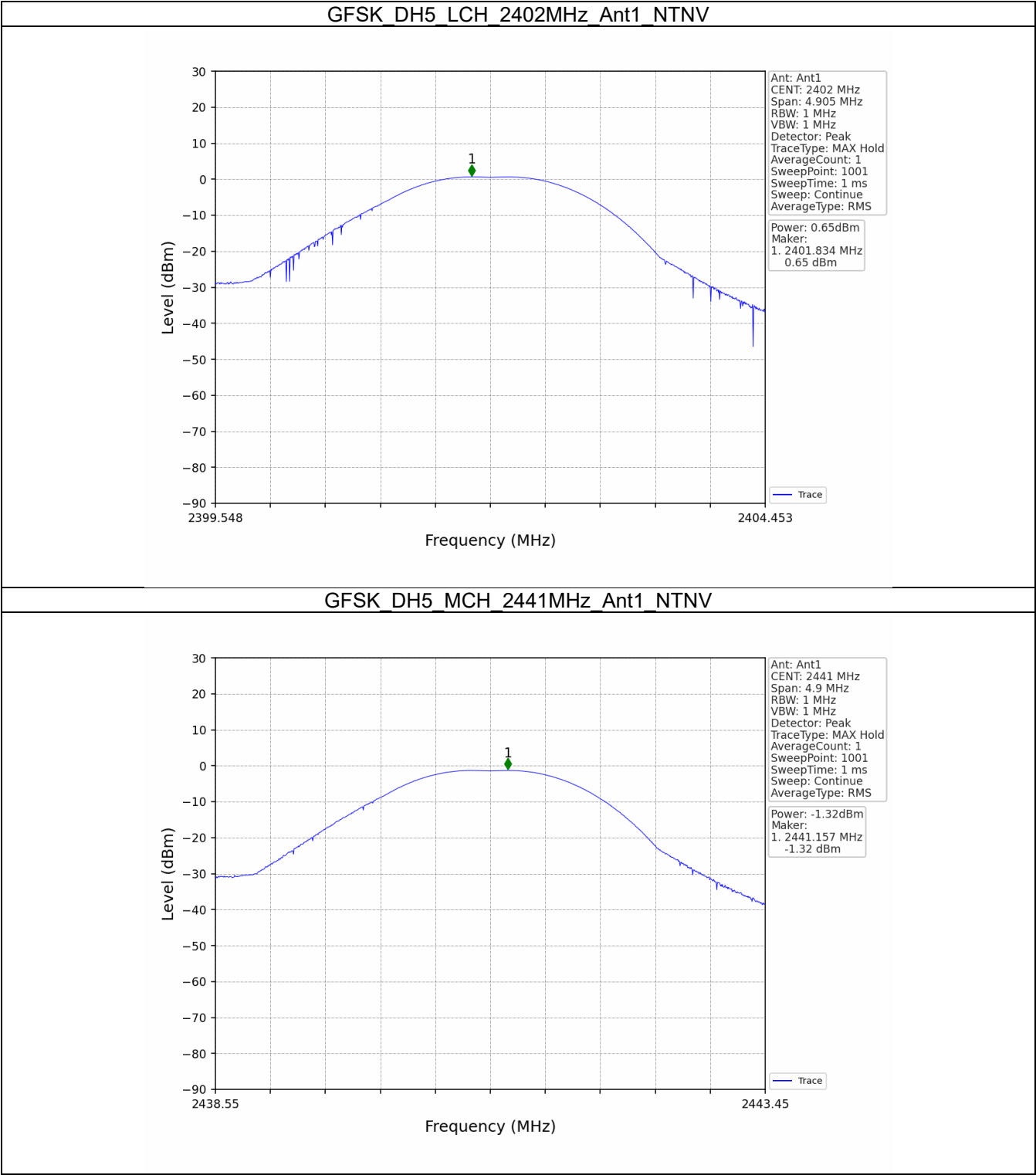
#### 3.1 Test Result

##### 3.1.1 Power

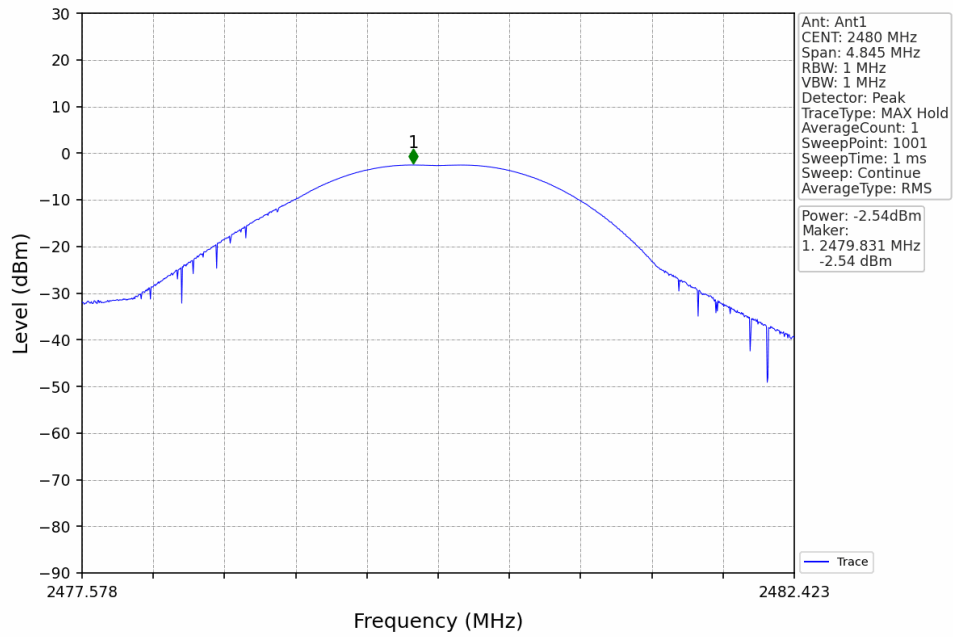
| Mode           | TX Type | Frequency (MHz) | Packet Type | Maximum Peak Conducted Output Power (dBm) |         | Verdict |
|----------------|---------|-----------------|-------------|-------------------------------------------|---------|---------|
|                |         |                 |             | ANT1                                      | Limit   |         |
| GFSK           | SISO    | 2402            | DH5         | 0.65                                      | <=30    | Pass    |
|                |         | 2441            | DH5         | -1.32                                     | <=30    | Pass    |
|                |         | 2480            | DH5         | -2.54                                     | <=30    | Pass    |
| $\pi/4$ -DQPSK | SISO    | 2402            | 2DH5        | 0.80                                      | <=20.97 | Pass    |
|                |         | 2441            | 2DH5        | -1.21                                     | <=20.97 | Pass    |
|                |         | 2480            | 2DH5        | -2.43                                     | <=20.97 | Pass    |
| 8DPSK          | SISO    | 2402            | 3DH5        | 0.72                                      | <=20.97 | Pass    |
|                |         | 2441            | 3DH5        | -1.30                                     | <=20.97 | Pass    |
|                |         | 2480            | 3DH5        | -2.52                                     | <=20.97 | Pass    |

### 3.2 Test Graph

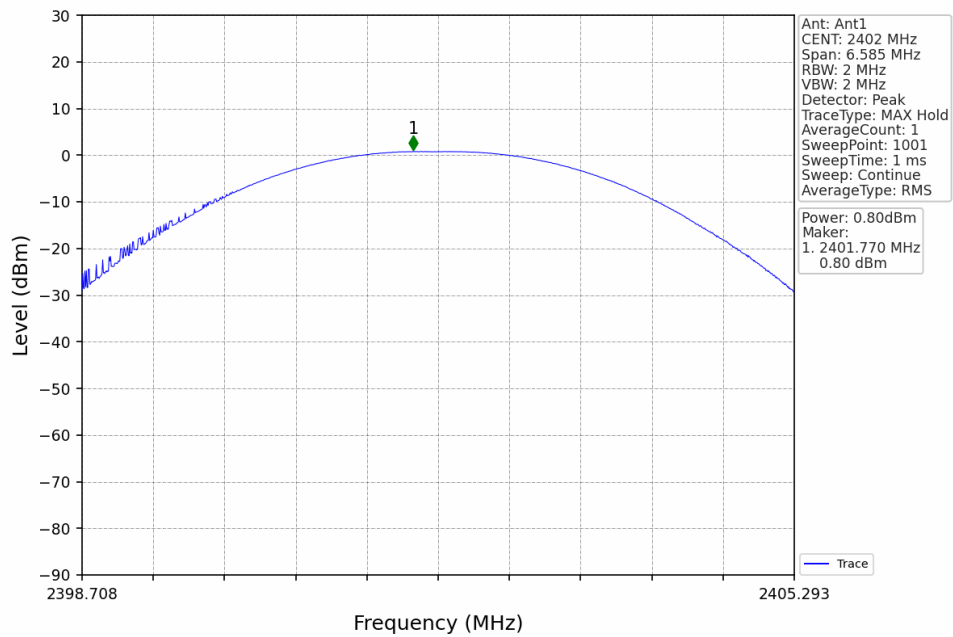
#### 3.2.1 Power



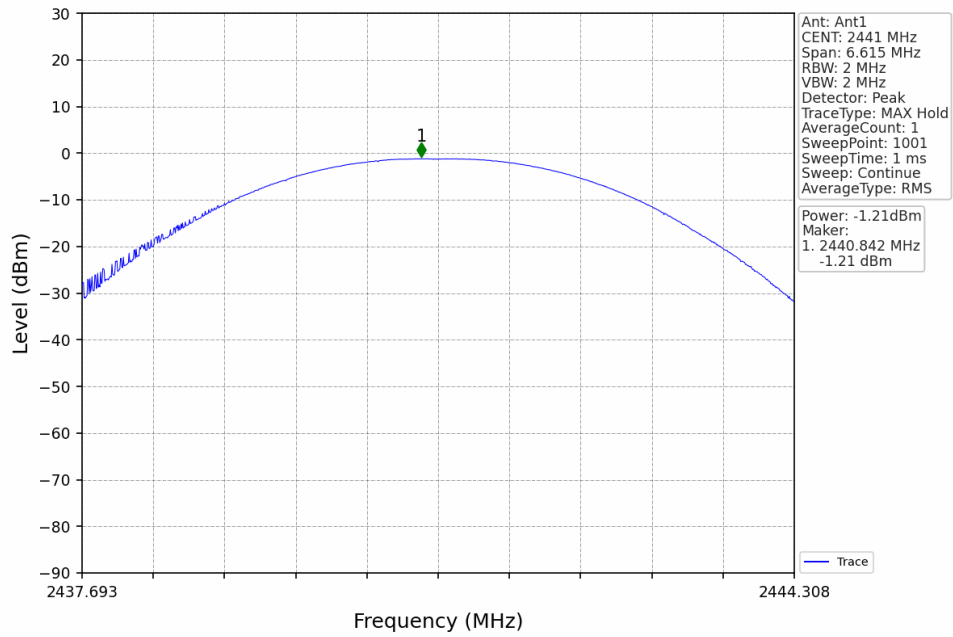
GFSK DH5 HCH 2480MHz Ant1 NTV



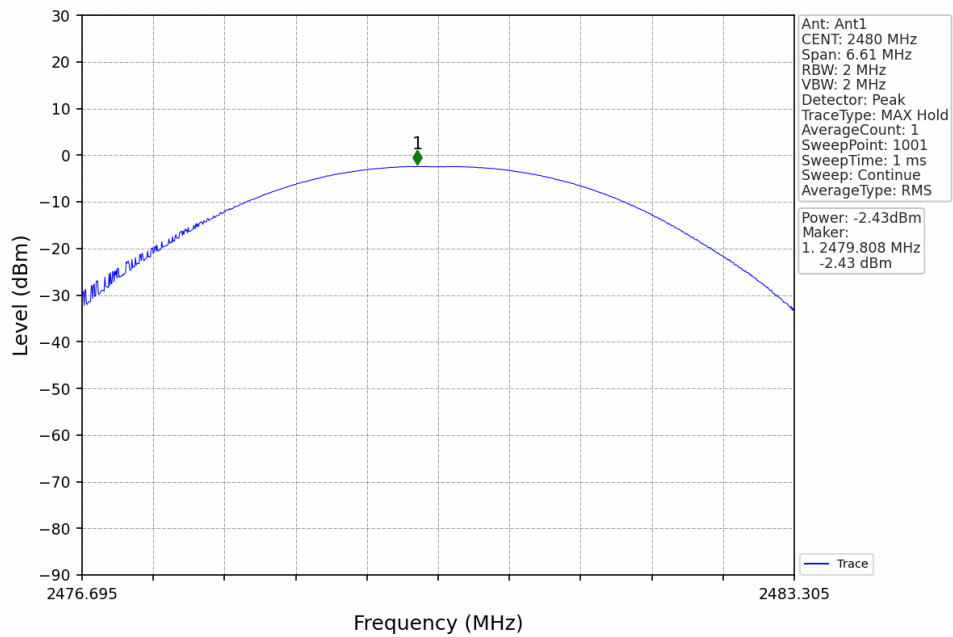
$\pi/4$ -DQPSK 2DH5 LCH 2402MHz Ant1 NTV



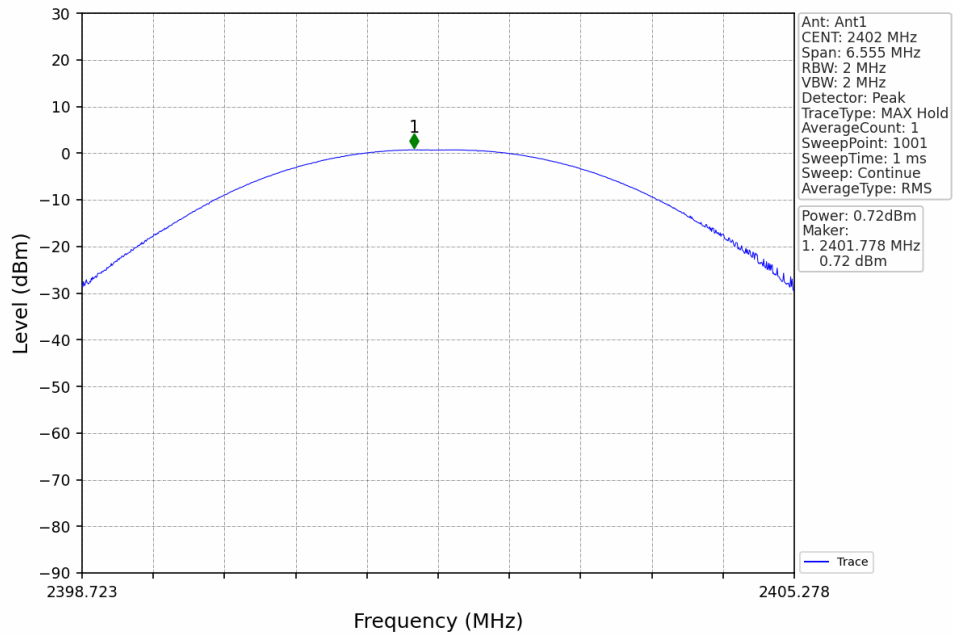
$\pi/4$ -DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



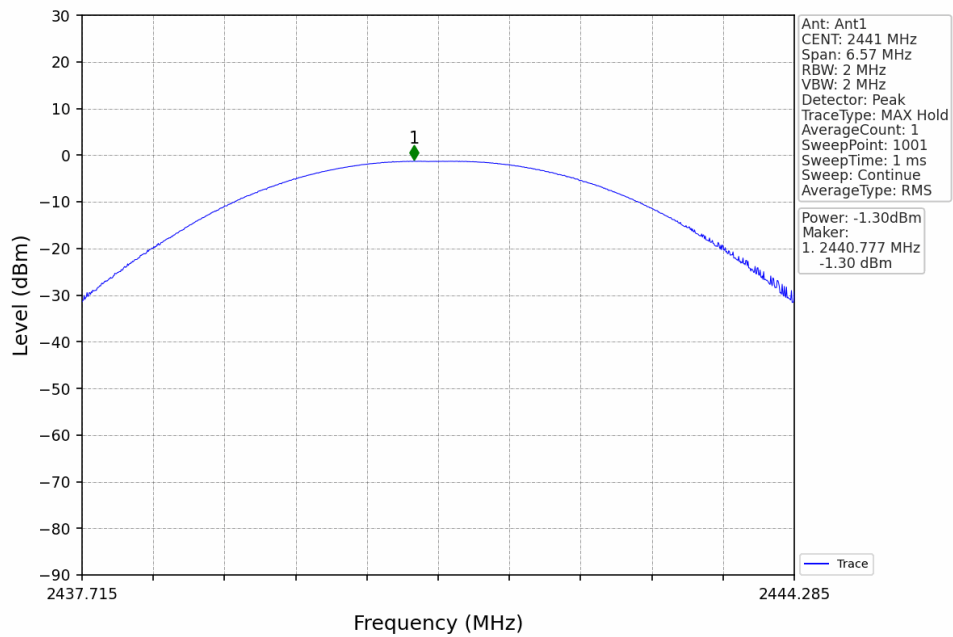
$\pi/4$ -DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV

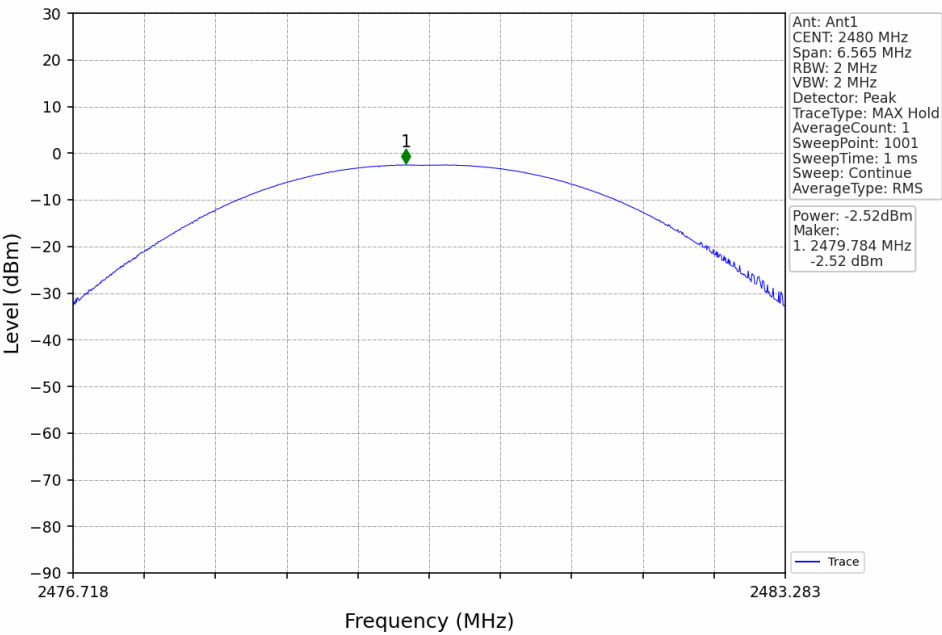


8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV





8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



#### 4. Carrier Frequency Separation

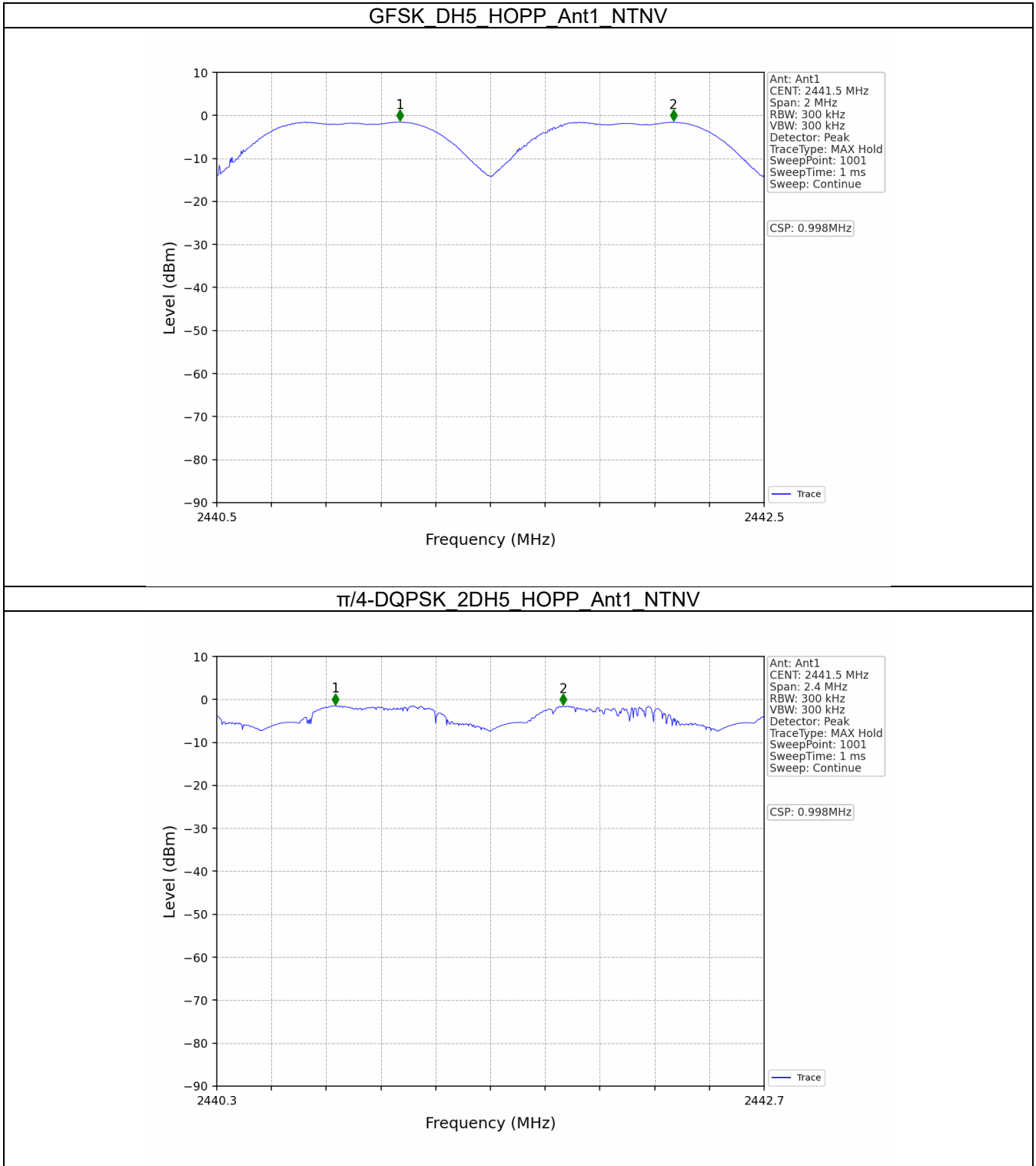
##### 4.1 Test Result

###### 4.1.1 Ant1

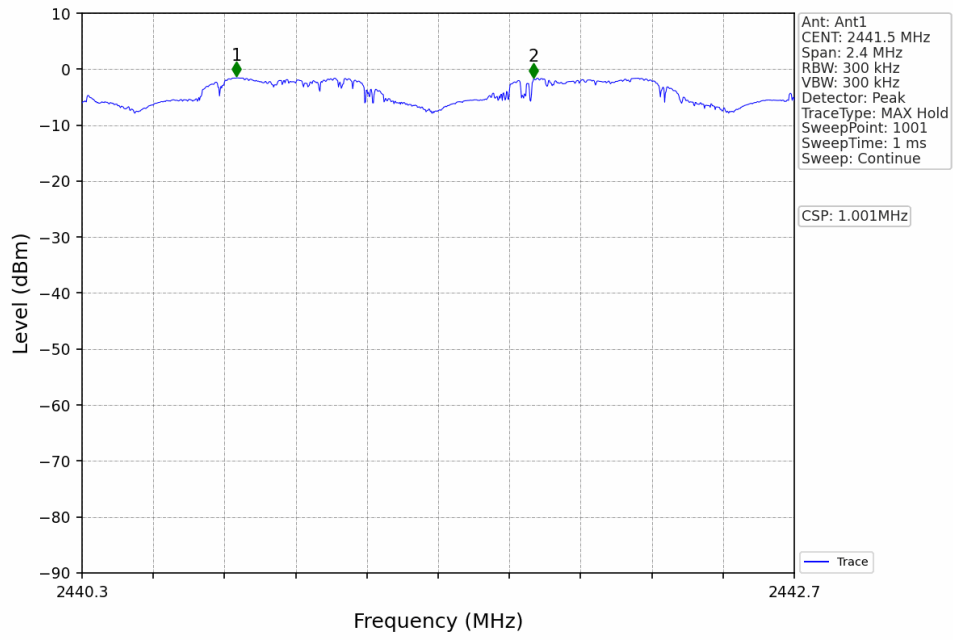
| Ant1           |         |                 |             |                          |                      |              |         |
|----------------|---------|-----------------|-------------|--------------------------|----------------------|--------------|---------|
| Mode           | TX Type | Frequency (MHz) | Packet Type | Channel Separation (MHz) | 20dB Bandwidth (MHz) | Limit (MHz)  | Verdict |
| GFSK           | SISO    | HOPP            | DH5         | 0.998                    | 0.981                | $\geq 0.981$ | Pass    |
| $\pi/4$ -DQPSK | SISO    | HOPP            | 2DH5        | 0.998                    | 1.323                | $\geq 0.882$ | Pass    |
| 8DPSK          | SISO    | HOPP            | 3DH5        | 1.001                    | 1.314                | $\geq 0.876$ | Pass    |

## 4.2 Test Graph

### 4.2.1 Ant1



8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



## 5. Number of Hopping Frequencies

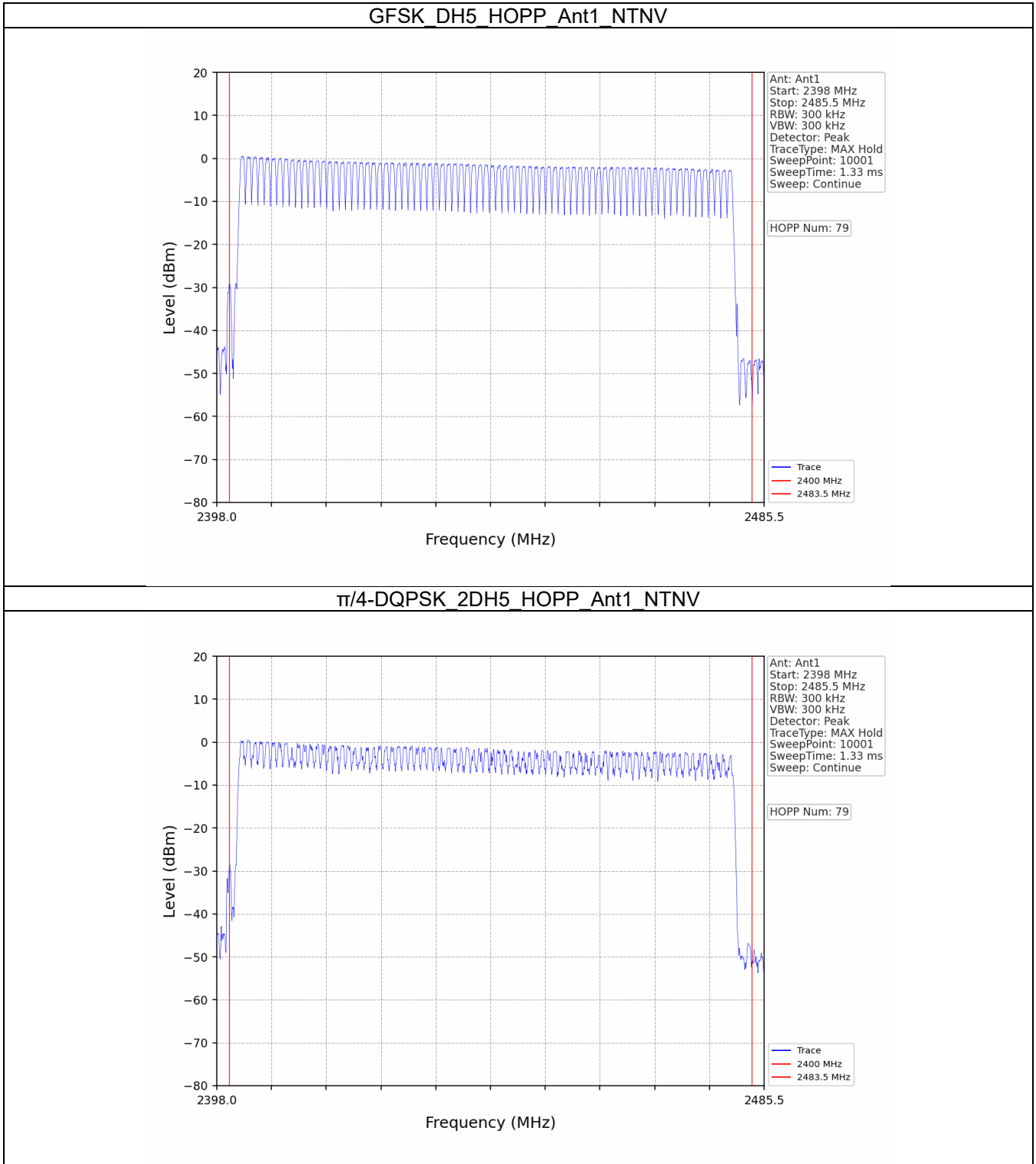
### 5.1 Test Result

#### 5.1.1 HoppNum

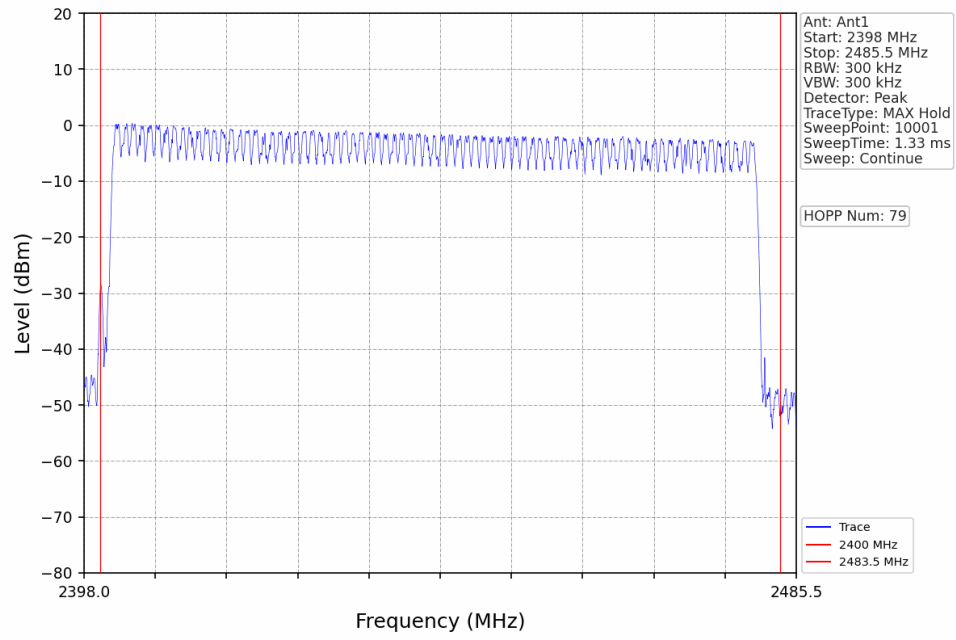
| Mode           | TX Type | Frequency (MHz) | Packet Type | Num of Hopping Frequencies |           | Verdict |
|----------------|---------|-----------------|-------------|----------------------------|-----------|---------|
|                |         |                 |             | ANT1                       | Limit     |         |
| GFSK           | SISO    | HOPP            | DH5         | 79                         | $\geq 15$ | Pass    |
| $\pi/4$ -DQPSK | SISO    | HOPP            | 2DH5        | 79                         | $\geq 15$ | Pass    |
| 8DPSK          | SISO    | HOPP            | 3DH5        | 79                         | $\geq 15$ | Pass    |

## 5.2 Test Graph

### 5.2.1 HoppNum



8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



## 6. Time of Occupancy (Dwell Time)

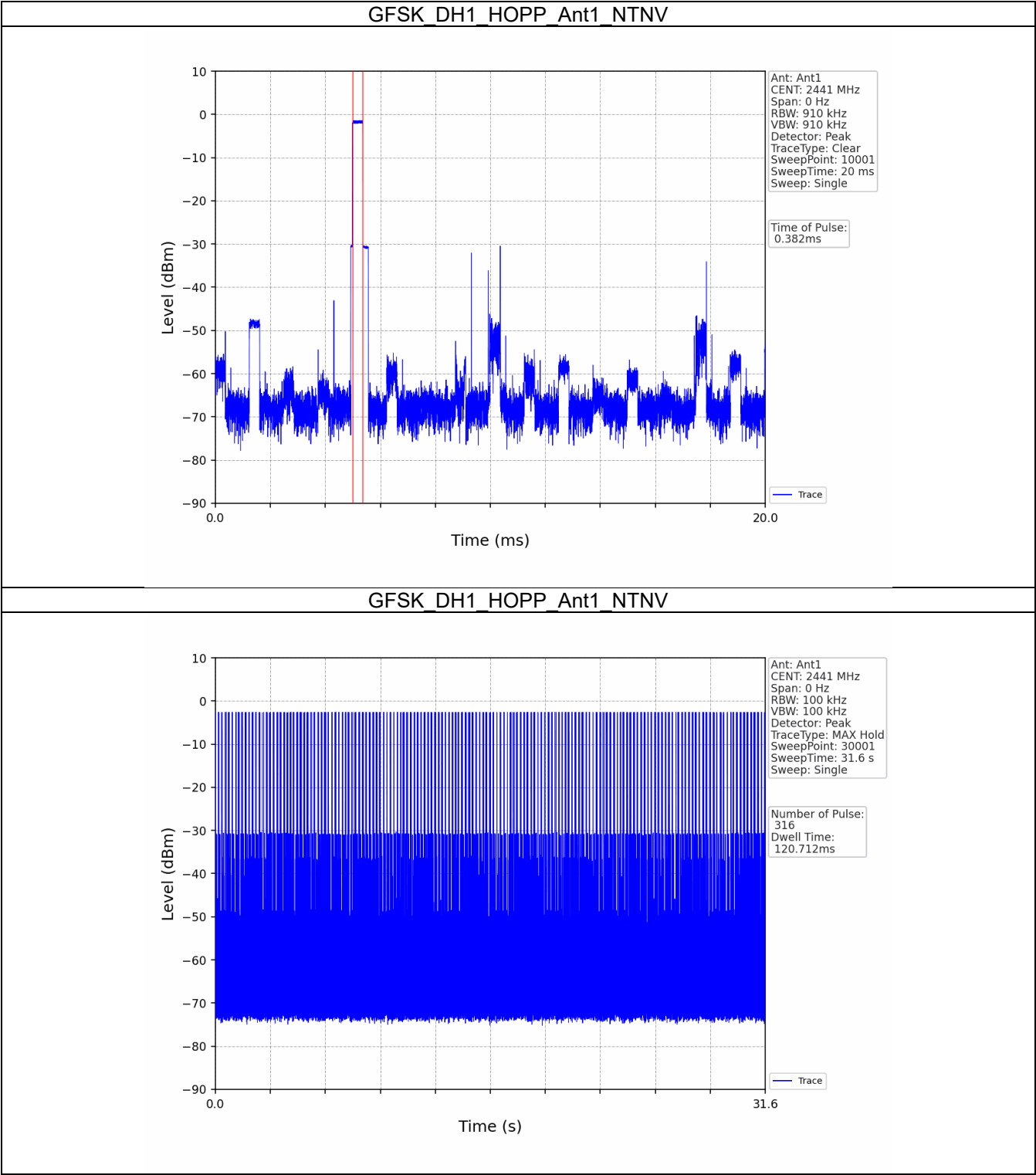
### 6.1 Test Result

#### 6.1.1 Ant1

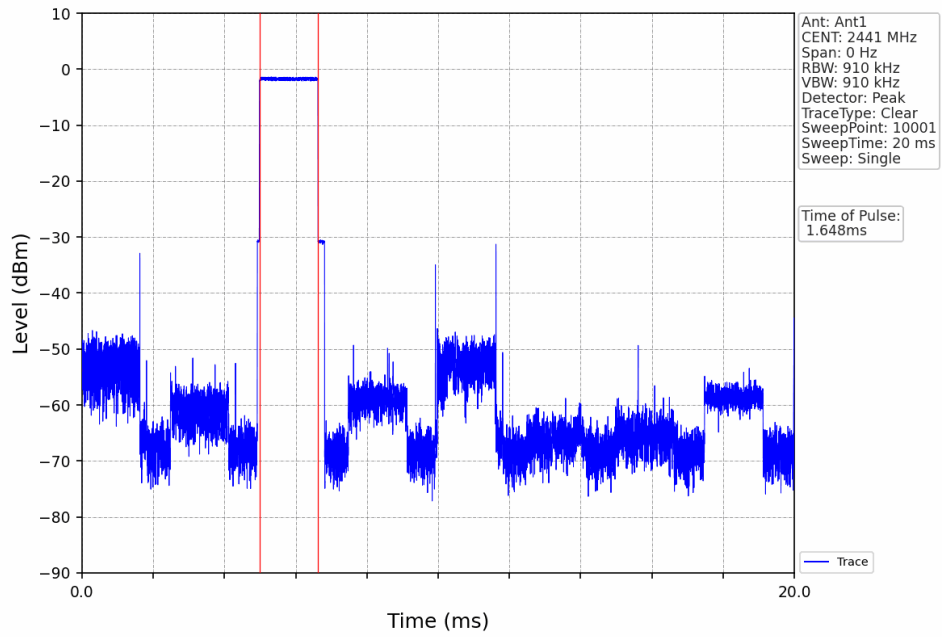
| Ant1           |         |                 |             |                               |                        |                                    |                 |            |         |
|----------------|---------|-----------------|-------------|-------------------------------|------------------------|------------------------------------|-----------------|------------|---------|
| Mode           | TX Type | Frequency (MHz) | Packet Type | Duration of Single Pulse (ms) | Observation Period (s) | Num of Pulse in Observation Period | Dwell Time (ms) | Limit (ms) | Verdict |
| GFSK           | SISO    | HOPP            | DH1         | 0.382                         | 31.600                 | 316                                | 120.712         | <=400      | Pass    |
|                |         |                 | DH3         | 1.648                         | 31.600                 | 172                                | 283.456         | <=400      | Pass    |
|                |         |                 | DH5         | 3.138                         | 31.600                 | 108                                | 338.904         | <=400      | Pass    |
| $\pi/4$ -DQPSK | SISO    | HOPP            | 2DH1        | 0.392                         | 31.600                 | 315                                | 123.480         | <=400      | Pass    |
|                |         |                 | 2DH3        | 1.642                         | 31.600                 | 170                                | 279.140         | <=400      | Pass    |
|                |         |                 | 2DH5        | 3.140                         | 31.600                 | 105                                | 329.700         | <=400      | Pass    |
| 8DPSK          | SISO    | HOPP            | 3DH1        | 0.390                         | 31.600                 | 315                                | 122.850         | <=400      | Pass    |
|                |         |                 | 3DH3        | 1.892                         | 31.600                 | 173                                | 327.316         | <=400      | Pass    |
|                |         |                 | 3DH5        | 3.140                         | 31.600                 | 114                                | 357.960         | <=400      | Pass    |

6.2 Test Graph

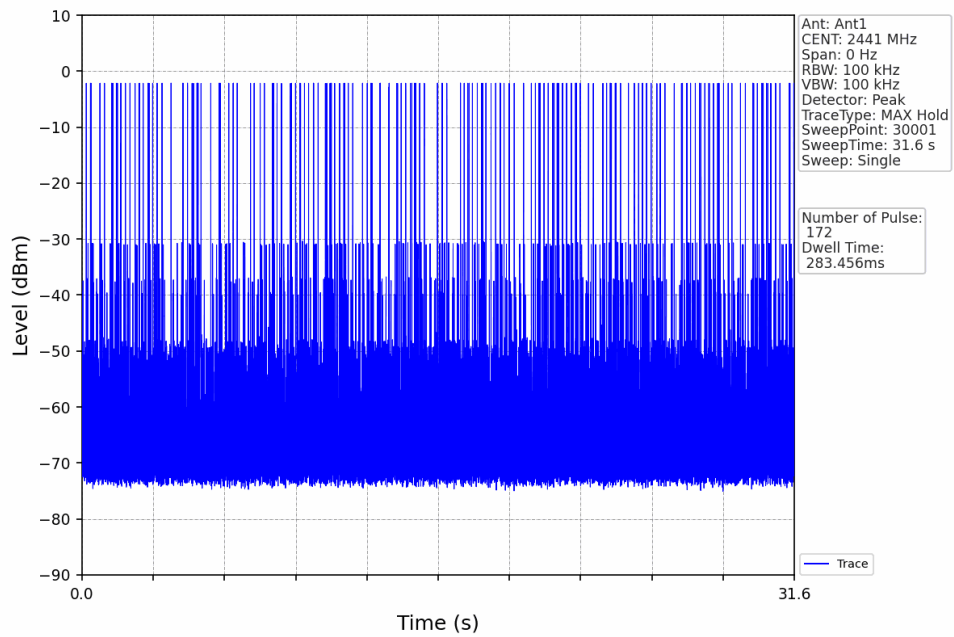
6.2.1 Ant1



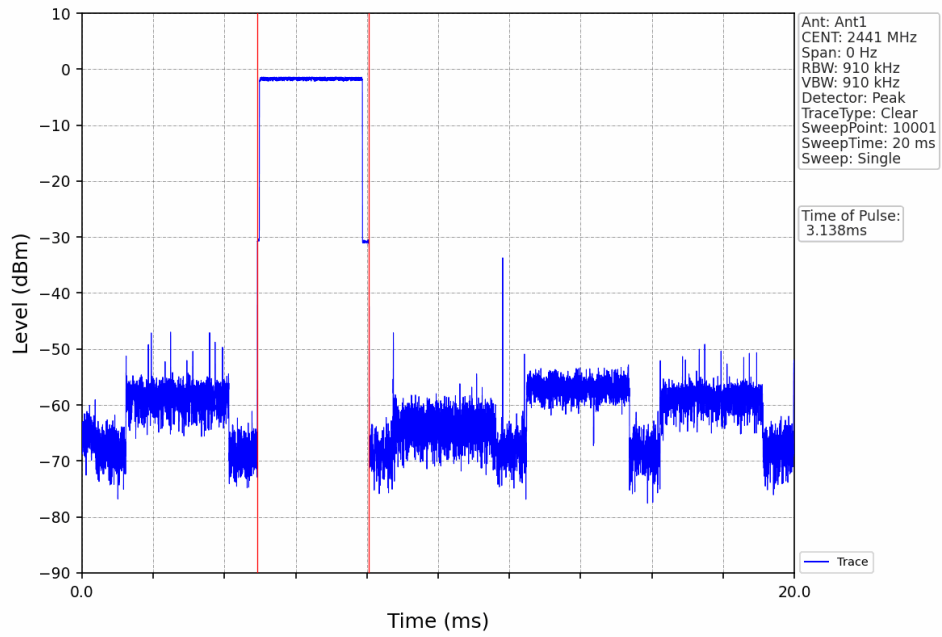
### GFSK\_DH3\_HOPP\_Ant1\_NTNV



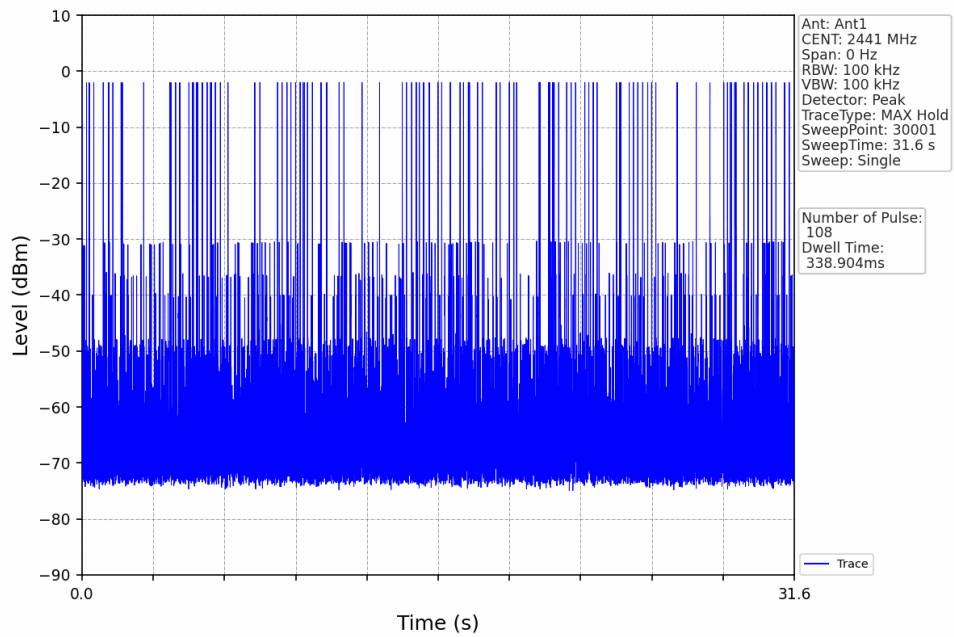
### GFSK\_DH3\_HOPP\_Ant1\_NTNV



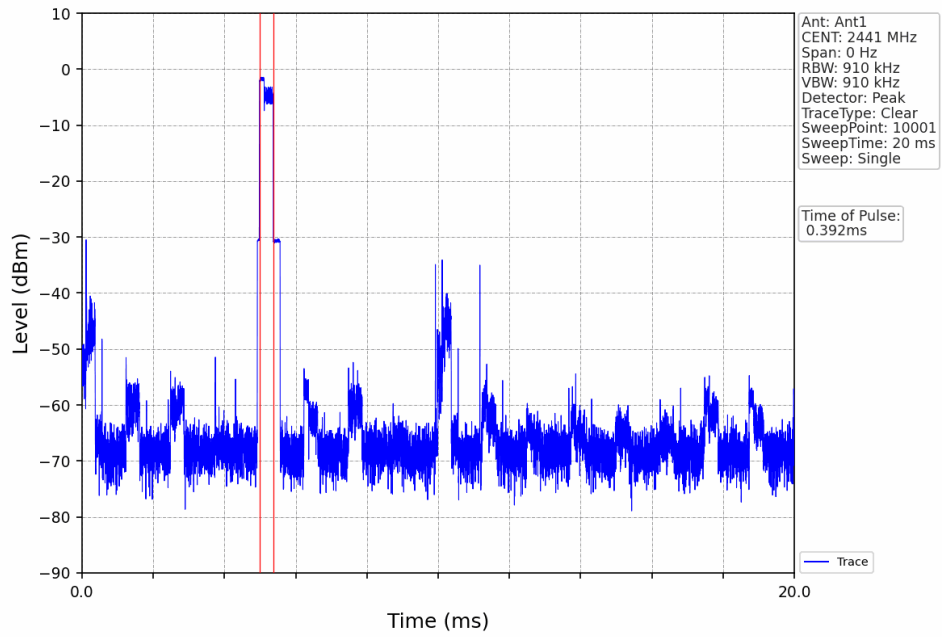
### GFSK\_DH5\_HOPP\_Ant1\_NTNV



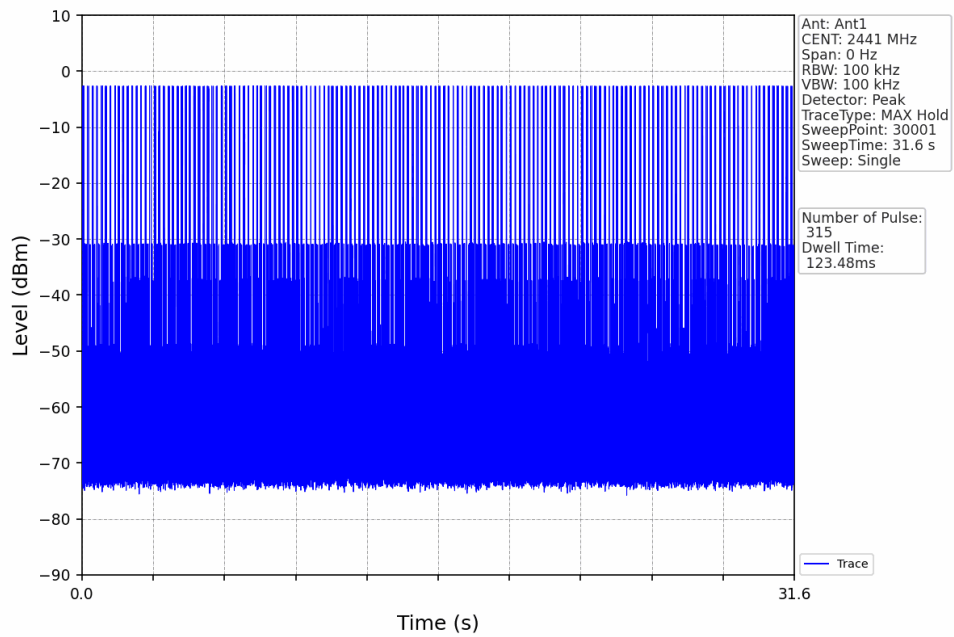
### GFSK\_DH5\_HOPP\_Ant1\_NTNV



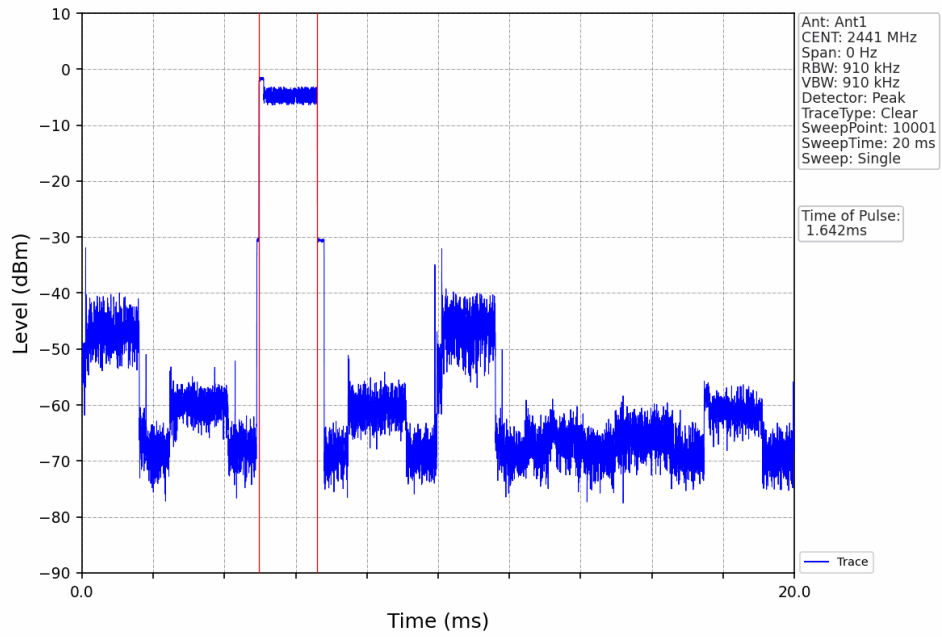
$\pi/4$ -DQPSK 2DH1\_HOPP\_Ant1\_NTNV



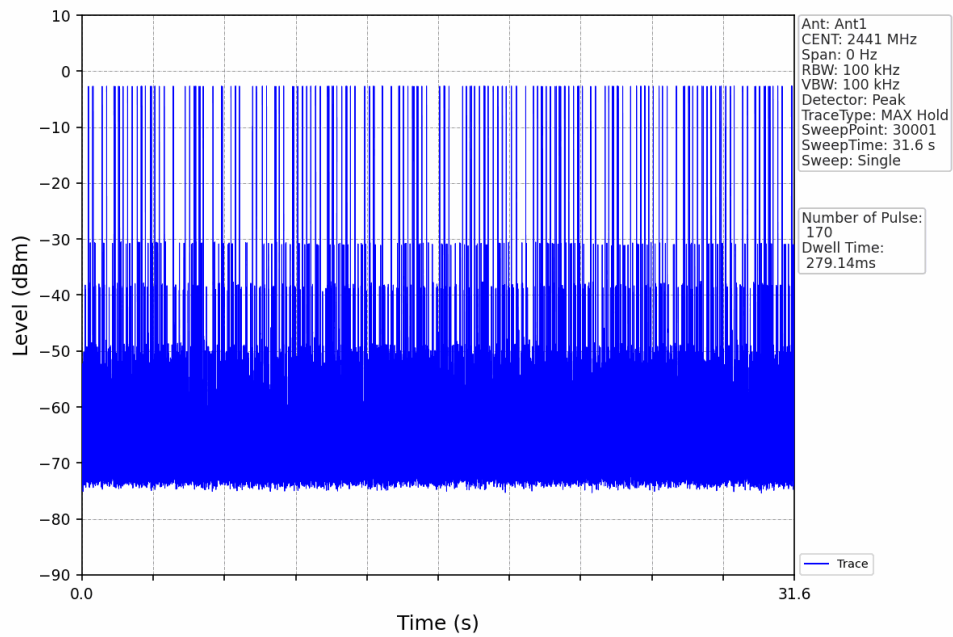
$\pi/4$ -DQPSK 2DH1\_HOPP\_Ant1\_NTNV



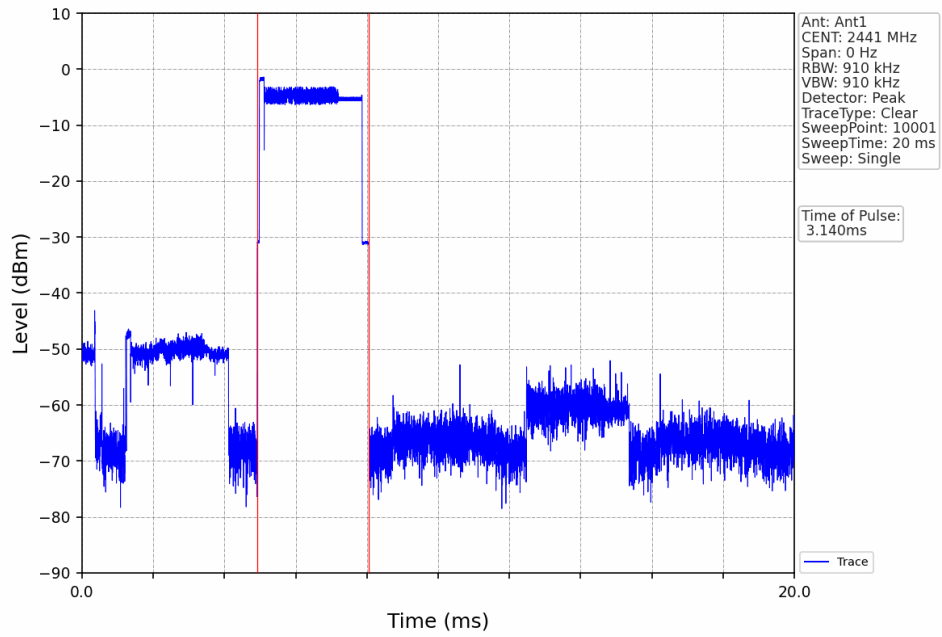
$\pi/4$ -DQPSK 2DH3\_HOPP\_Ant1\_NTNV



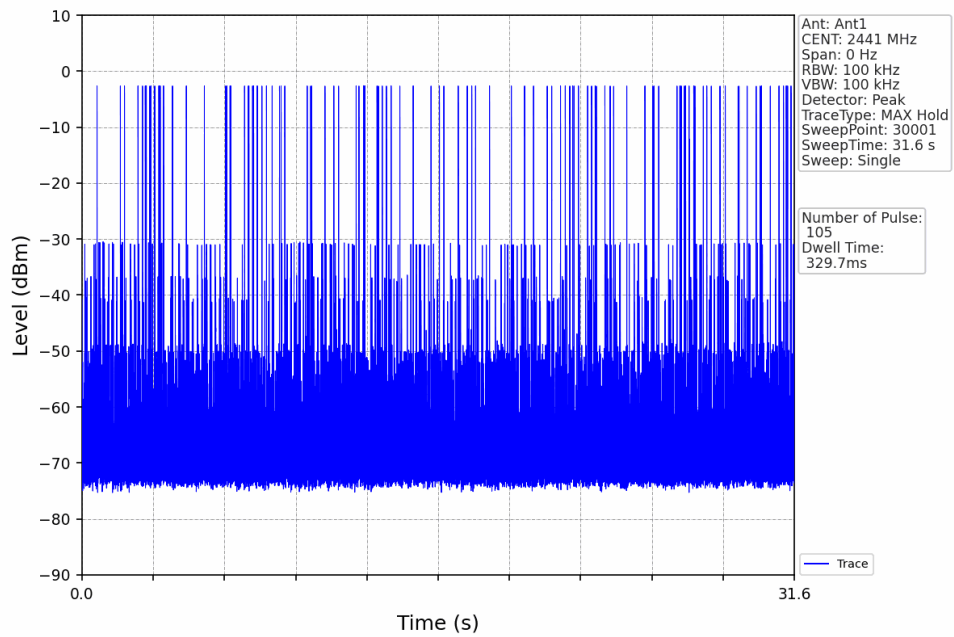
$\pi/4$ -DQPSK 2DH3\_HOPP\_Ant1\_NTNV



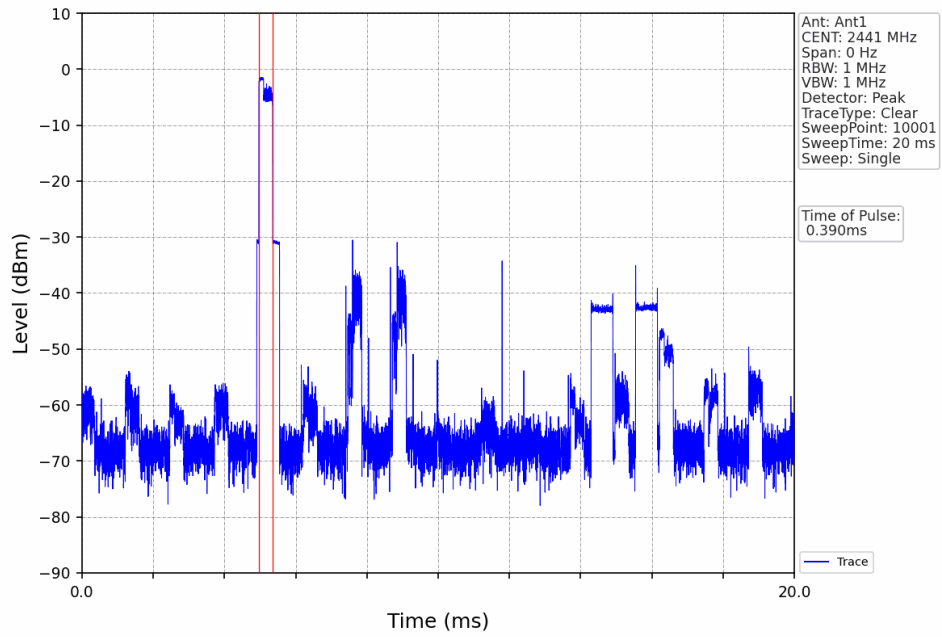
$\pi/4$ -DQPSK 2DH5\_HOPP\_Ant1\_NTNV



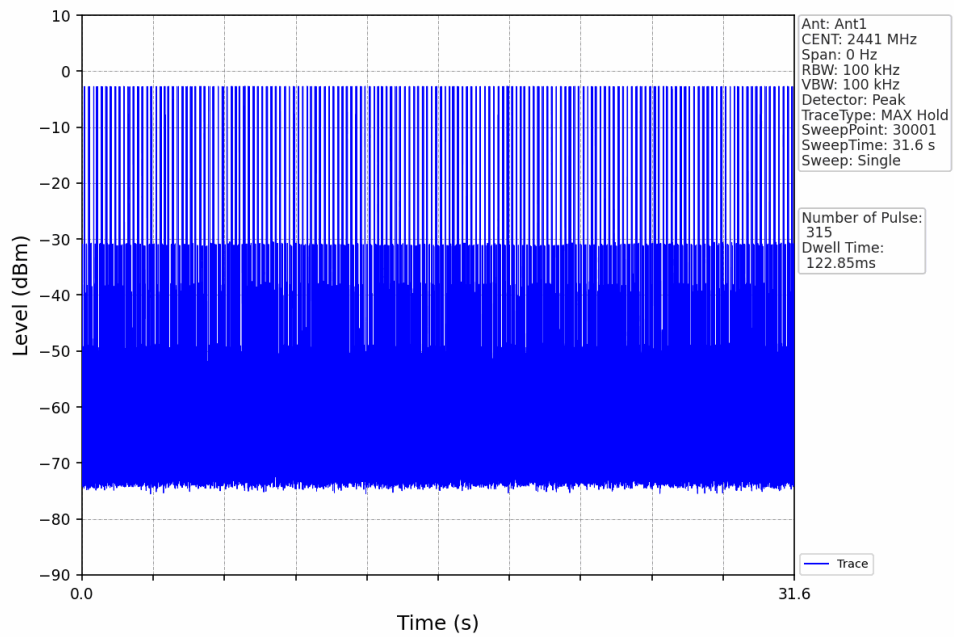
$\pi/4$ -DQPSK 2DH5\_HOPP\_Ant1\_NTNV



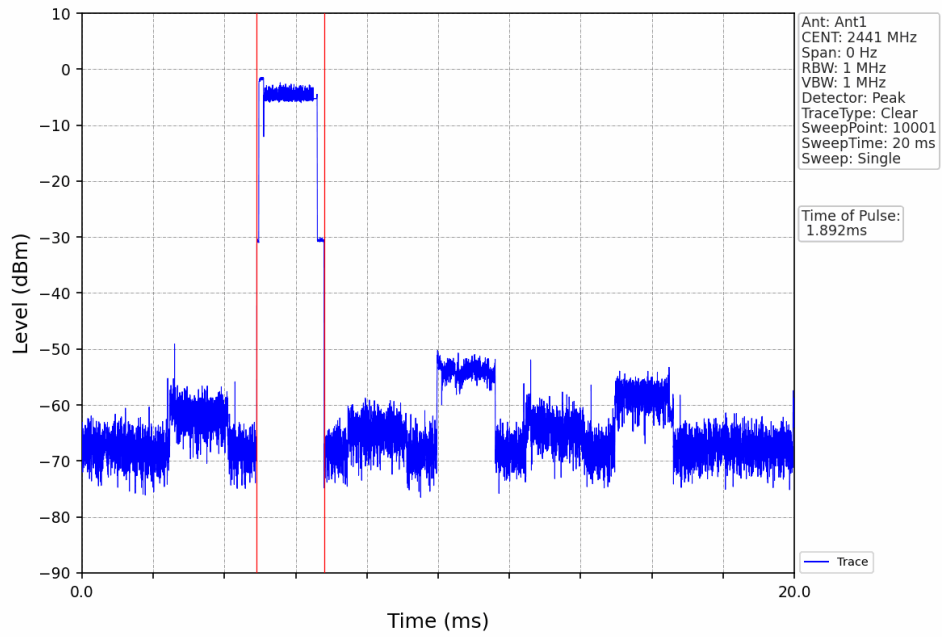
### 8DPSK\_3DH1\_HOPP\_Ant1\_NTNV



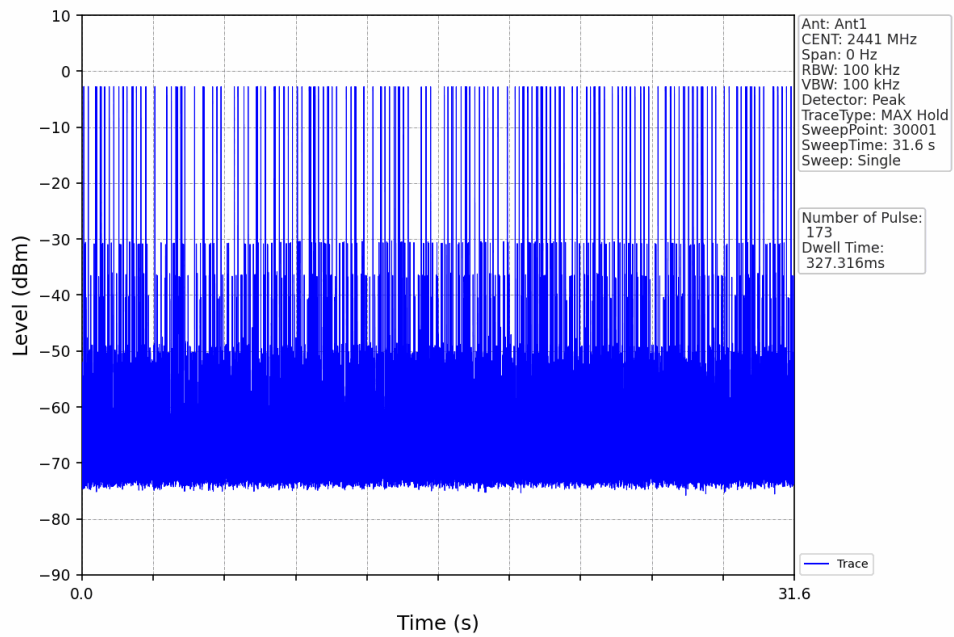
### 8DPSK\_3DH1\_HOPP\_Ant1\_NTNV



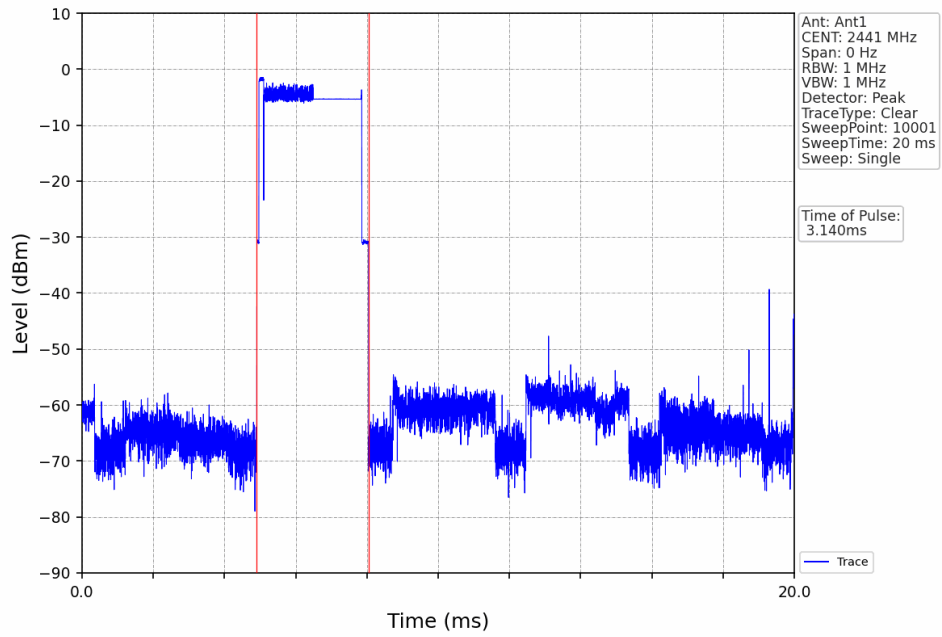
### 8DPSK\_3DH3\_HOPP\_Ant1\_NTNV



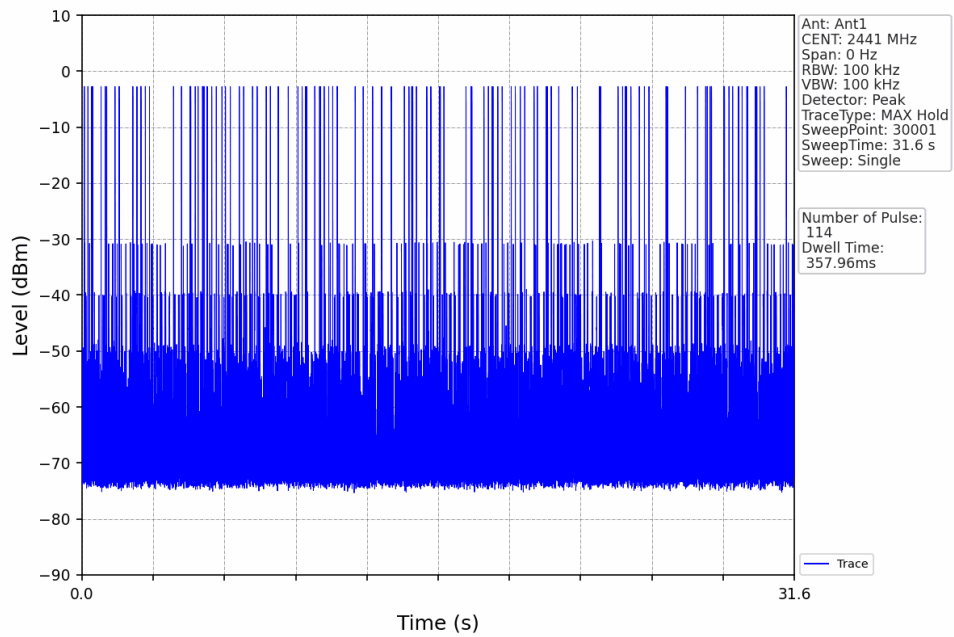
### 8DPSK\_3DH3\_HOPP\_Ant1\_NTNV



### 8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



### 8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



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

### 7.1 Test Result

#### 7.1.1 Ref

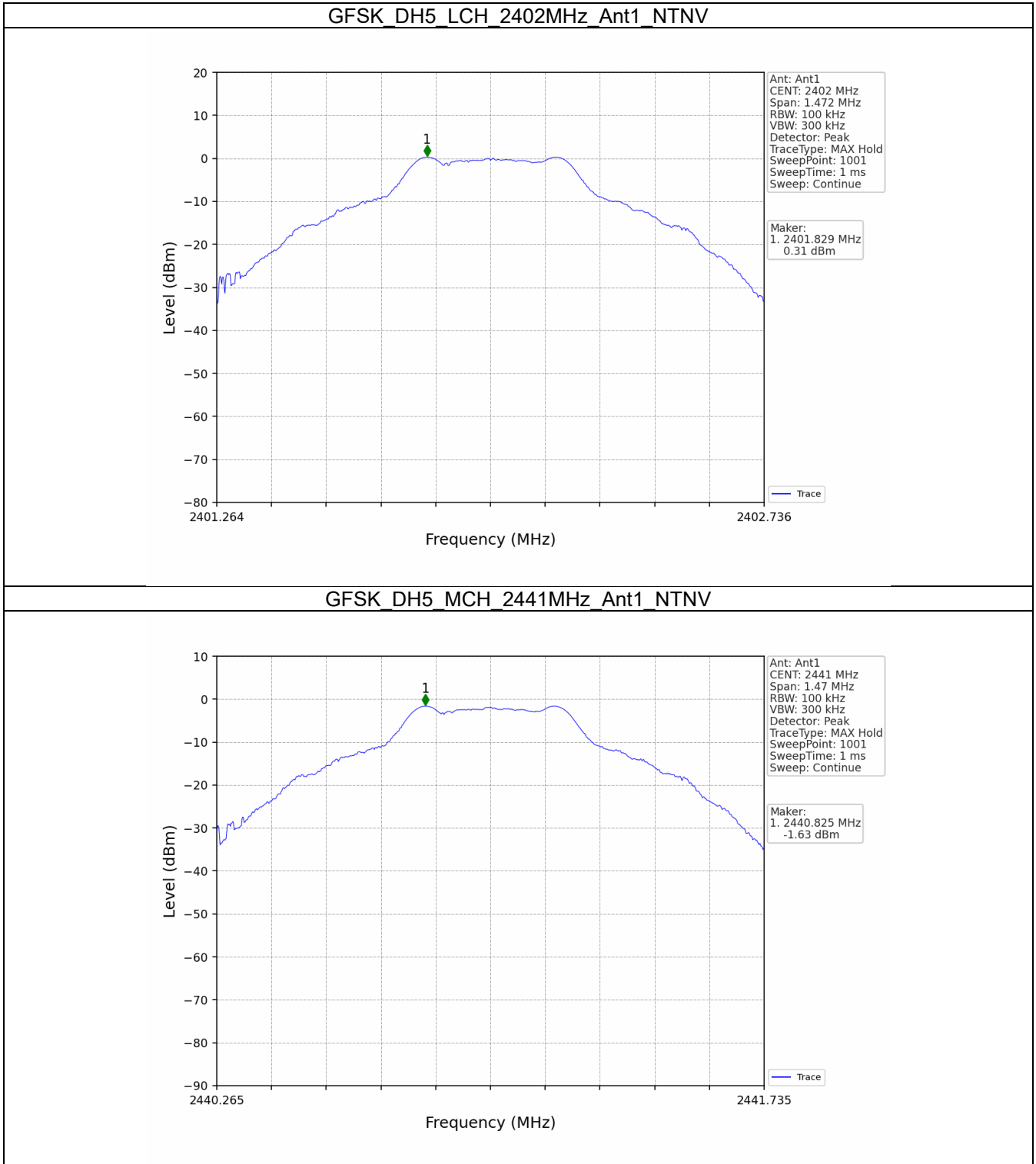
| Mode                                                                                                                                            | TX Type | Frequency (MHz) | Packet Type | ANT | Level of Reference (dBm) |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-------------|-----|--------------------------|
| GFSK                                                                                                                                            | SISO    | 2402            | DH5         | 1   | 0.31                     |
|                                                                                                                                                 |         | 2441            | DH5         | 1   | -1.63                    |
|                                                                                                                                                 |         | 2480            | DH5         | 1   | -2.85                    |
|                                                                                                                                                 |         | HOPP            | DH5         | 1   | -0.01                    |
|                                                                                                                                                 |         |                 |             |     | -0.01                    |
| $\pi/4$ -DQPSK                                                                                                                                  | SISO    | 2402            | 2DH5        | 1   | 0.33                     |
|                                                                                                                                                 |         | 2441            | 2DH5        | 1   | -1.66                    |
|                                                                                                                                                 |         | 2480            | 2DH5        | 1   | -2.90                    |
|                                                                                                                                                 |         | HOPP            | 2DH5        | 1   | -0.51                    |
|                                                                                                                                                 |         |                 |             |     | -0.51                    |
| 8DPSK                                                                                                                                           | SISO    | 2402            | 3DH5        | 1   | 0.18                     |
|                                                                                                                                                 |         | 2441            | 3DH5        | 1   | -1.74                    |
|                                                                                                                                                 |         | 2480            | 3DH5        | 1   | -3.07                    |
|                                                                                                                                                 |         | HOPP            | 3DH5        | 1   | -0.71                    |
|                                                                                                                                                 |         |                 |             |     | -0.71                    |
| 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. |         |                 |             |     |                          |

#### 7.1.2 CSE

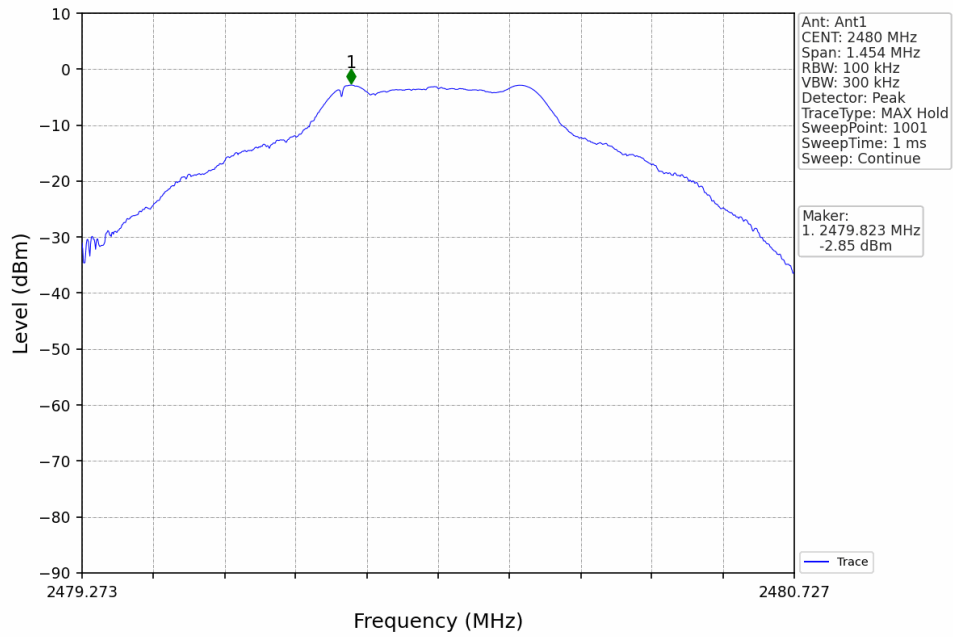
| Mode                                                                                                                                            | TX Type | Frequency (MHz) | Packet Type | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-------------|-----|--------------------------|-------------|---------|
| GFSK                                                                                                                                            | SISO    | 2402            | DH5         | 1   | 0.31                     | -19.69      | Pass    |
|                                                                                                                                                 |         | 2441            | DH5         | 1   | -1.63                    | -21.63      | Pass    |
|                                                                                                                                                 |         | 2480            | DH5         | 1   | -2.85                    | -22.85      | Pass    |
|                                                                                                                                                 |         | HOPP            | DH5         | 1   | -0.01                    | -20.01      | Pass    |
|                                                                                                                                                 |         |                 |             |     | -0.01                    | -20.01      | Pass    |
| $\pi/4$ -DQPSK                                                                                                                                  | SISO    | 2402            | 2DH5        | 1   | 0.33                     | -19.67      | Pass    |
|                                                                                                                                                 |         | 2441            | 2DH5        | 1   | -1.66                    | -21.66      | Pass    |
|                                                                                                                                                 |         | 2480            | 2DH5        | 1   | -2.90                    | -22.90      | Pass    |
|                                                                                                                                                 |         | HOPP            | 2DH5        | 1   | -0.51                    | -20.51      | Pass    |
|                                                                                                                                                 |         |                 |             |     | -0.51                    | -20.51      | Pass    |
| 8DPSK                                                                                                                                           | SISO    | 2402            | 3DH5        | 1   | 0.18                     | -19.82      | Pass    |
|                                                                                                                                                 |         | 2441            | 3DH5        | 1   | -1.74                    | -21.74      | Pass    |
|                                                                                                                                                 |         | 2480            | 3DH5        | 1   | -3.07                    | -23.07      | Pass    |
|                                                                                                                                                 |         | HOPP            | 3DH5        | 1   | -0.71                    | -20.71      | Pass    |
|                                                                                                                                                 |         |                 |             |     | -0.71                    | -20.71      | 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. |         |                 |             |     |                          |             |         |

## 7.2 Test Graph

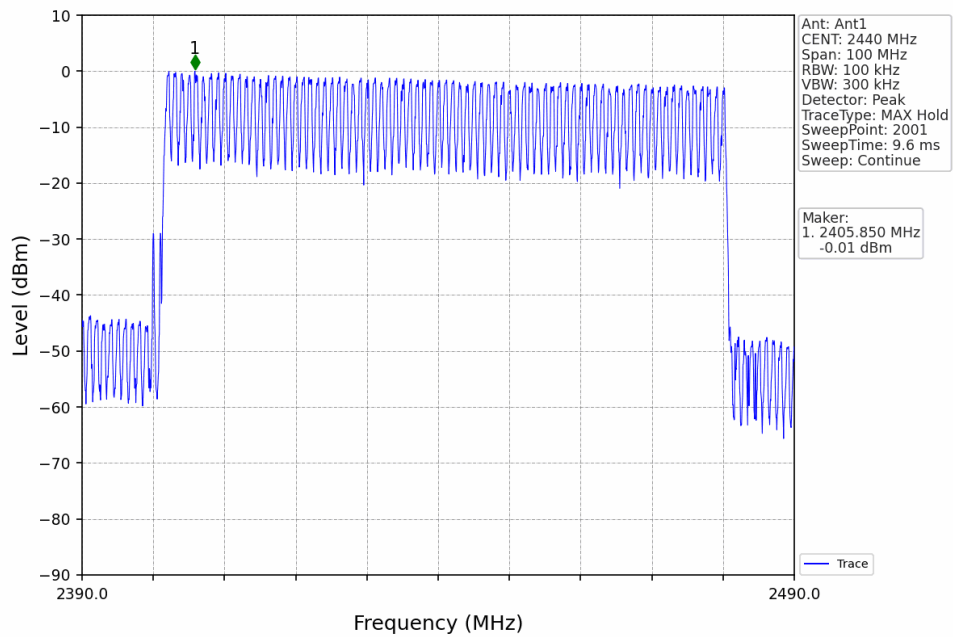
### 7.2.1 Ref



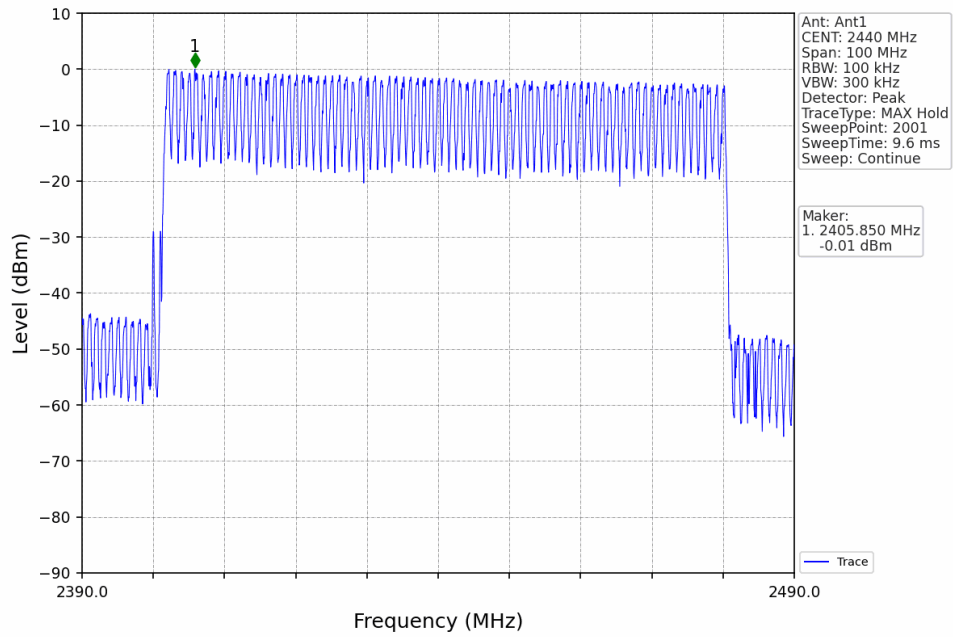
GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



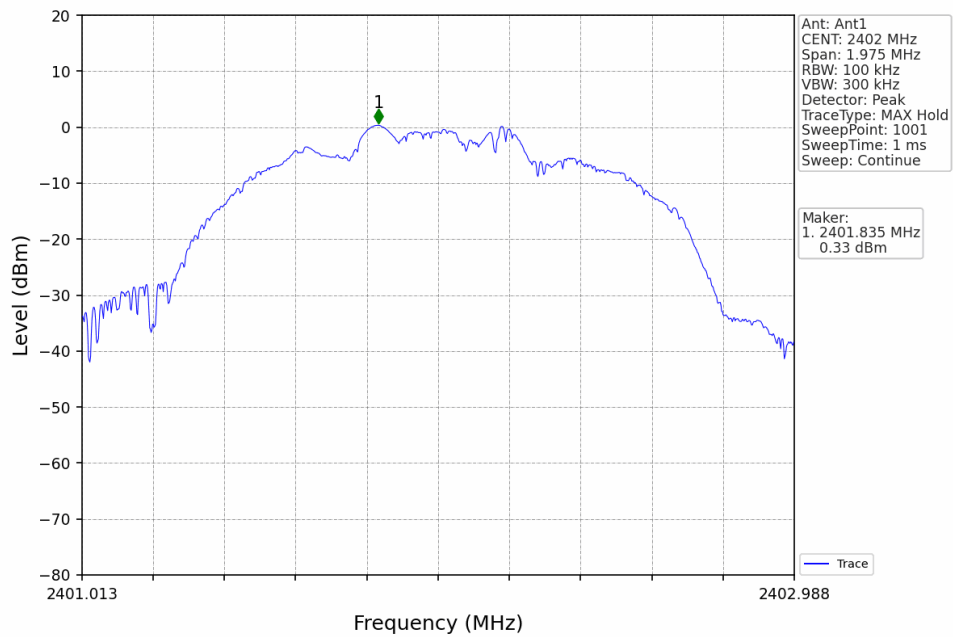
GFSK\_DH5\_HOPP\_Ant1\_NTNV



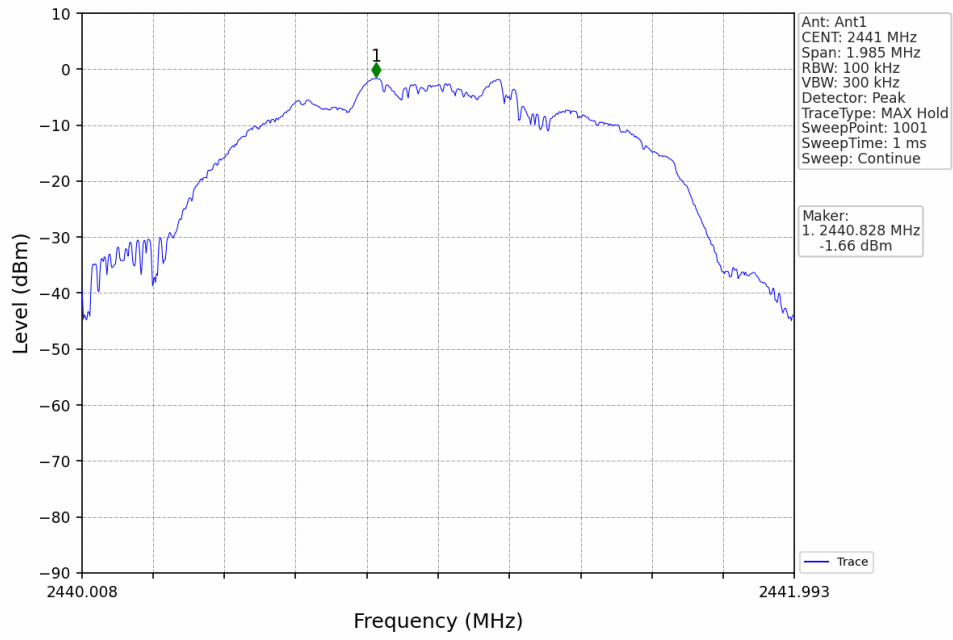
### GFSK\_DH5\_HOPP\_Ant1\_NTNV



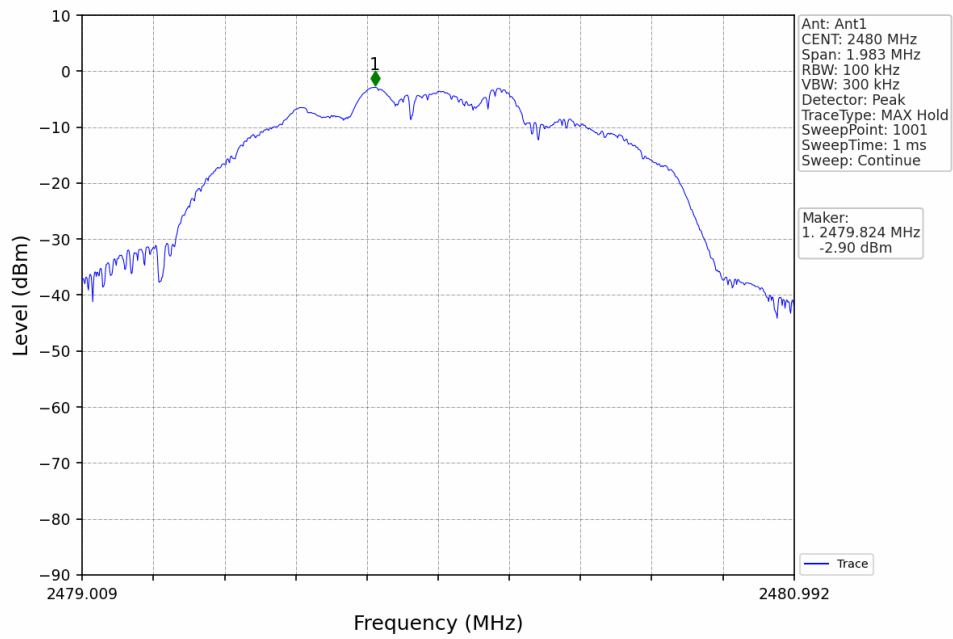
### $\pi/4$ -DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



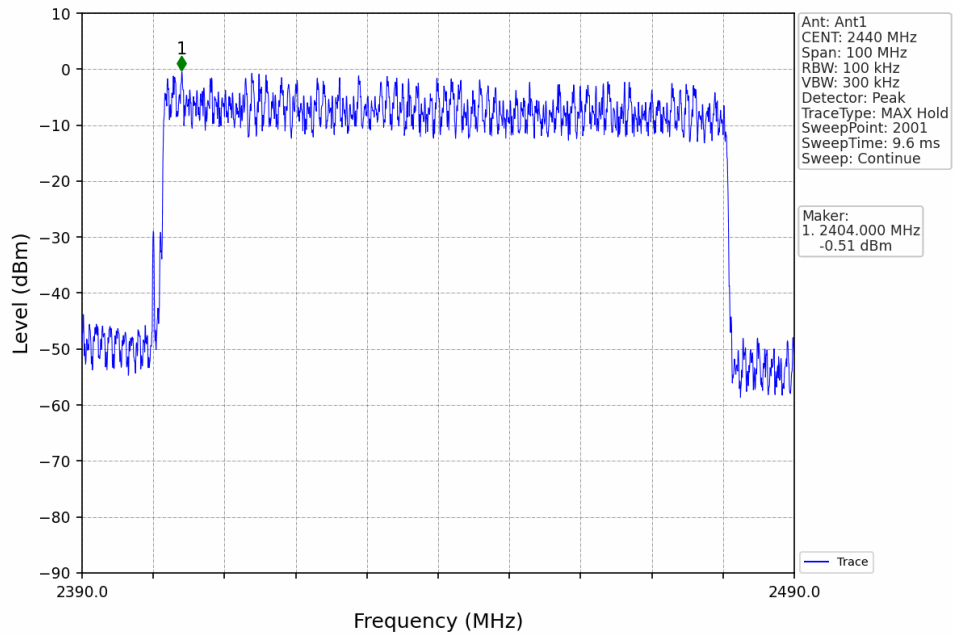
$\pi/4$ -DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



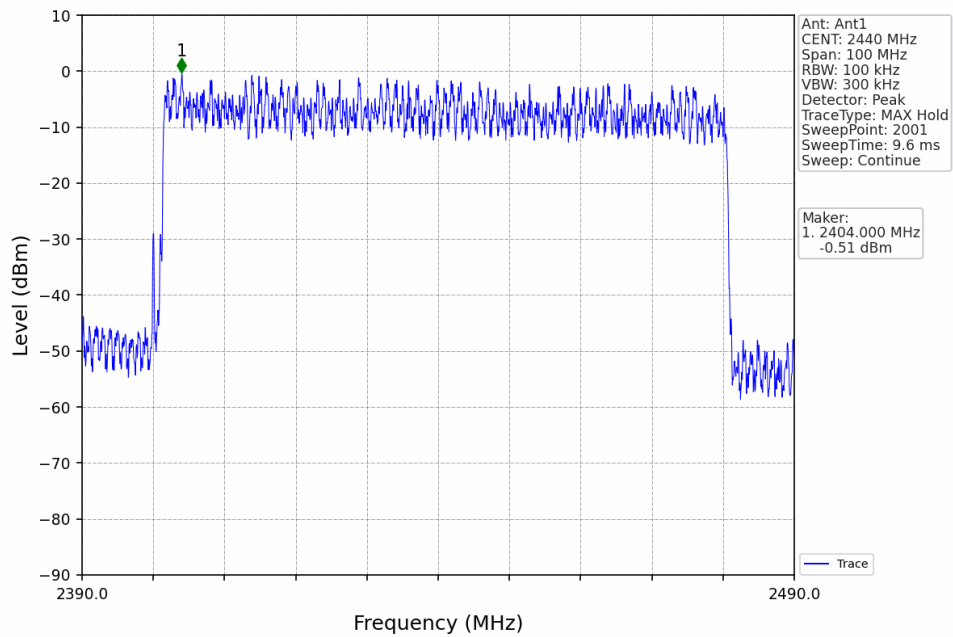
$\pi/4$ -DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



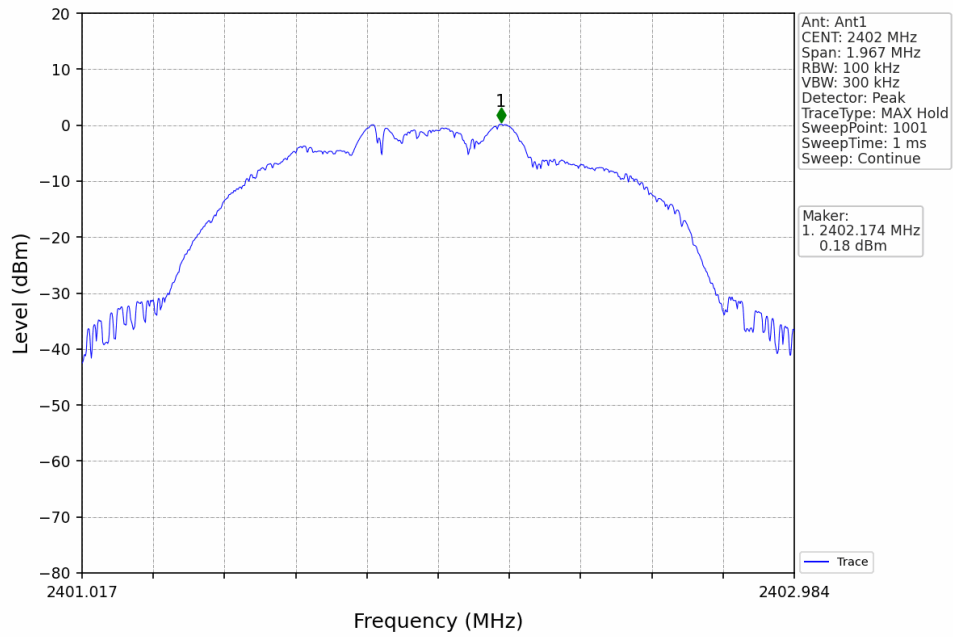
$\pi/4$ -DQPSK 2DH5\_HOPP\_Ant1\_NTNV



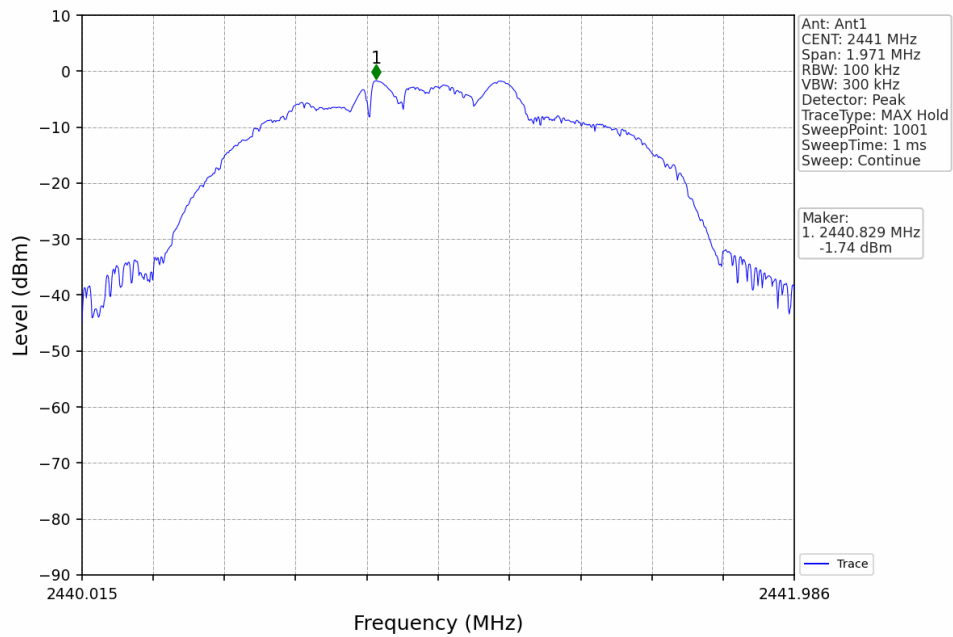
$\pi/4$ -DQPSK 2DH5\_HOPP\_Ant1\_NTNV



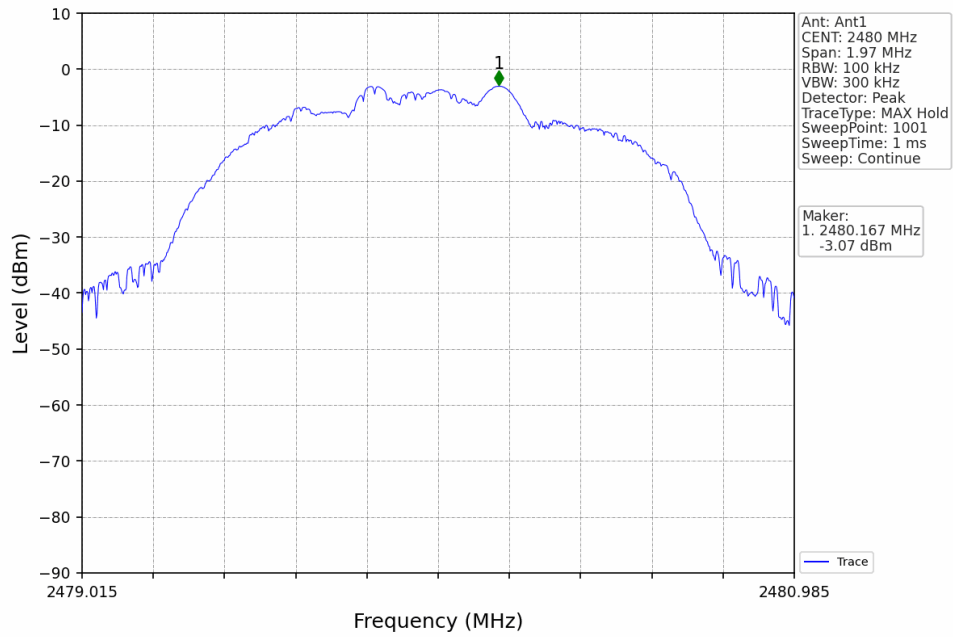
8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



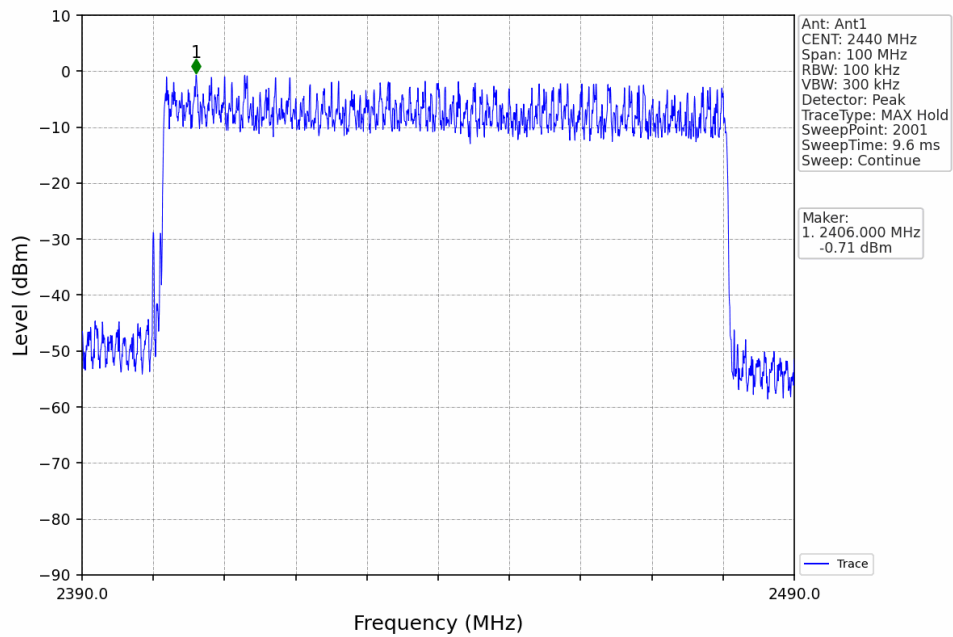
8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV



8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV

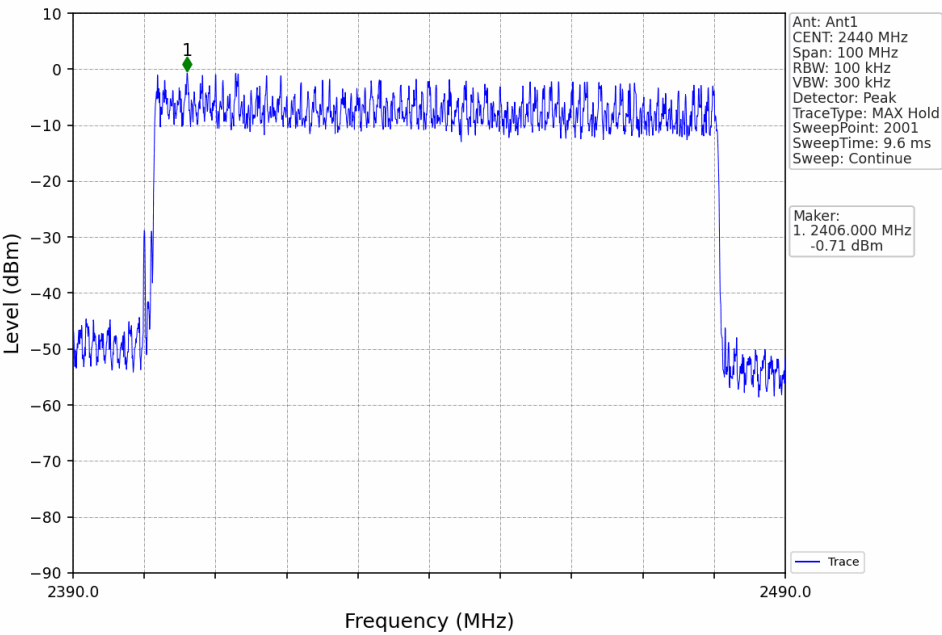


8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



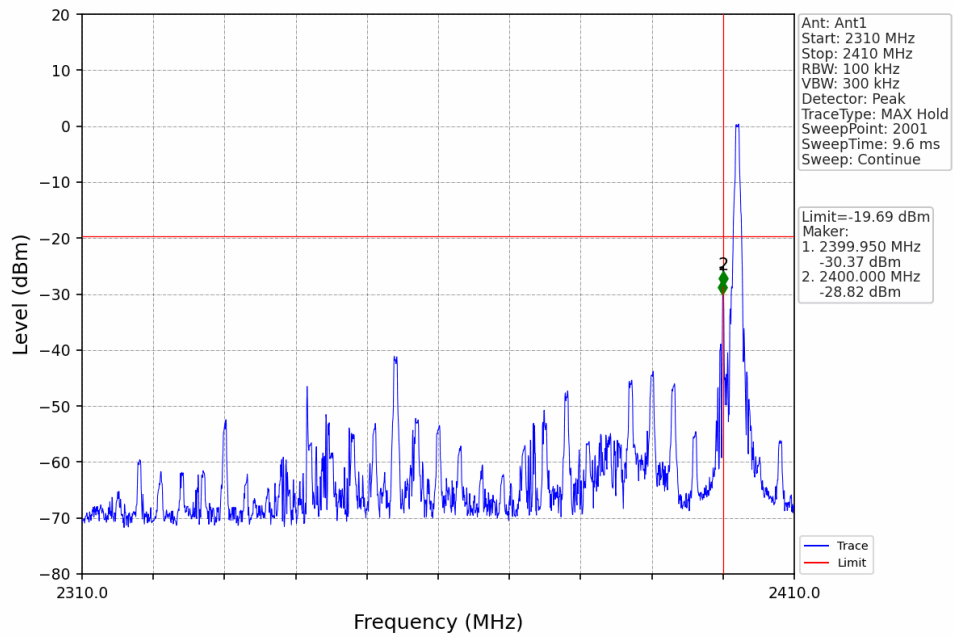


8DPSK\_3DH5\_HOPP\_Ant1\_NTNV

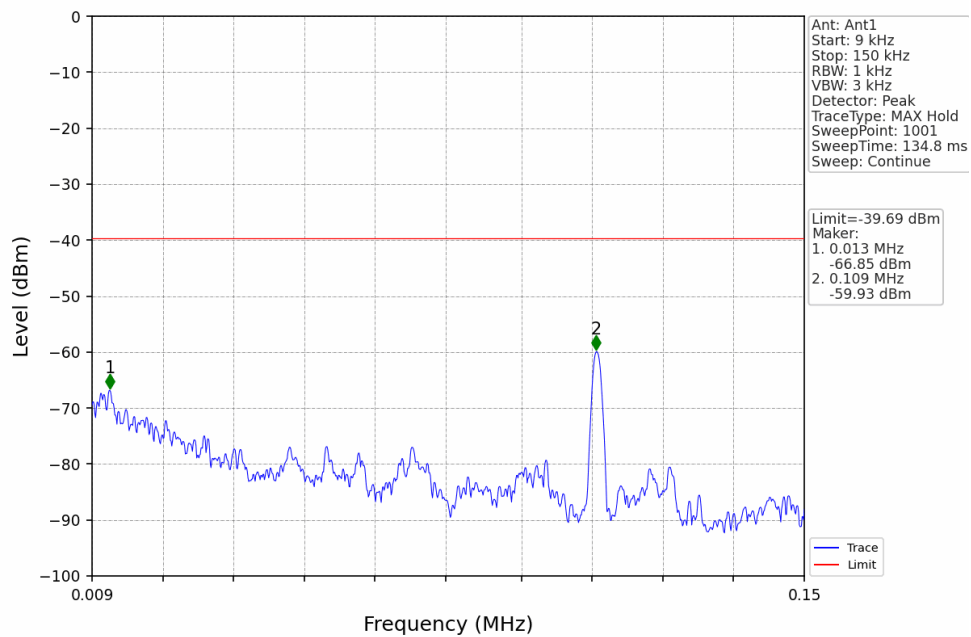


## 7.2.2 CSE

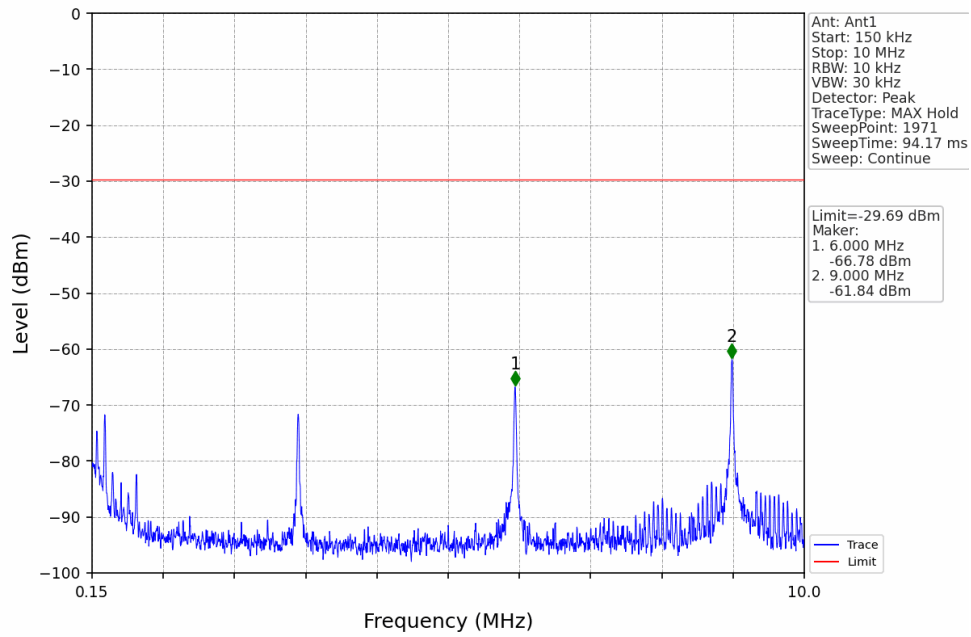
GFSK\_DH5\_LCH\_2402MHz\_Ant1\_NTNV



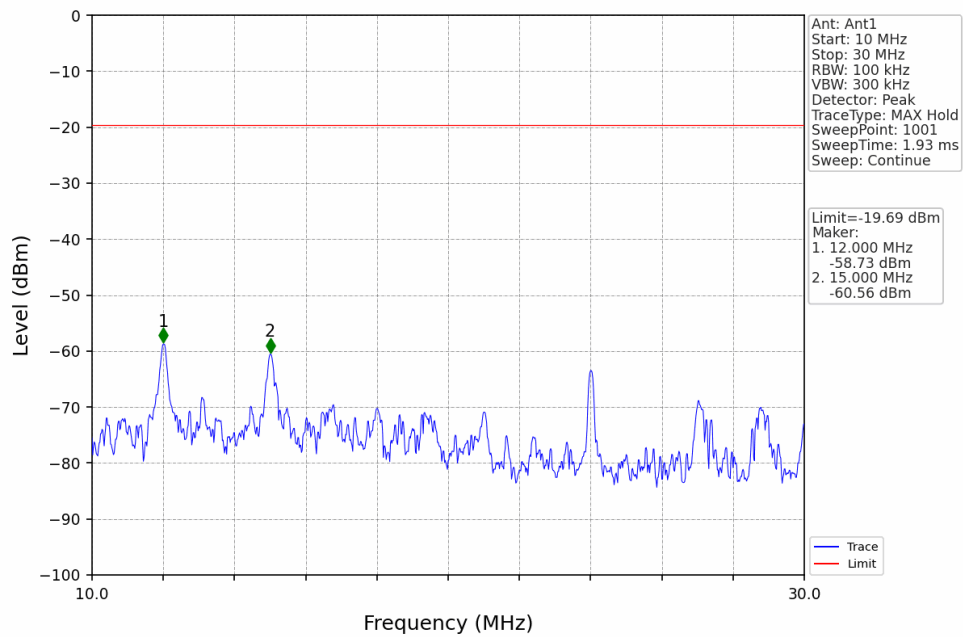
GFSK\_DH5\_LCH\_2402MHz\_Ant1\_NTNV



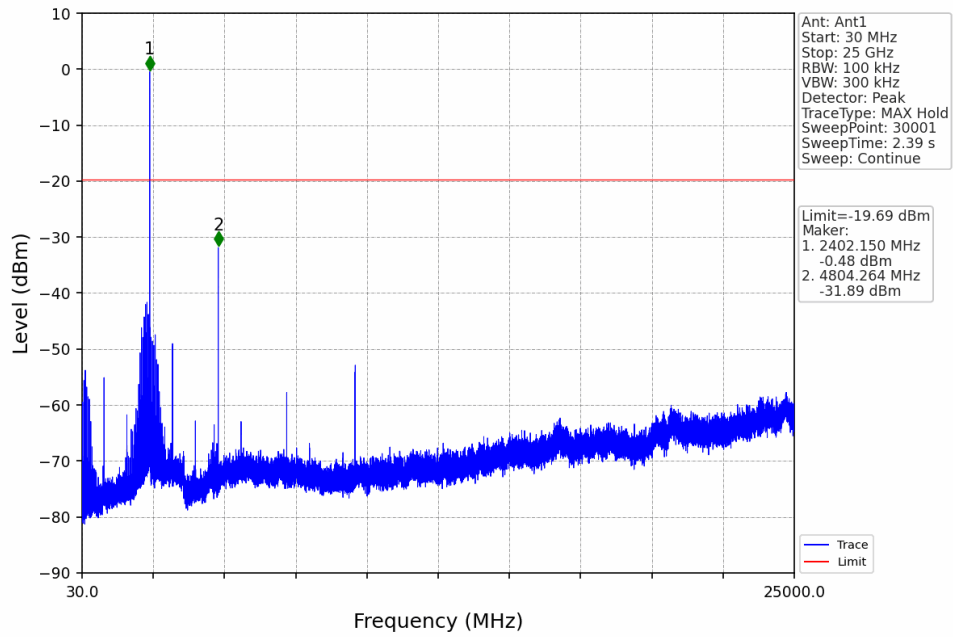
GFSK\_DH5\_LCH\_2402MHz\_Ant1\_NTNV



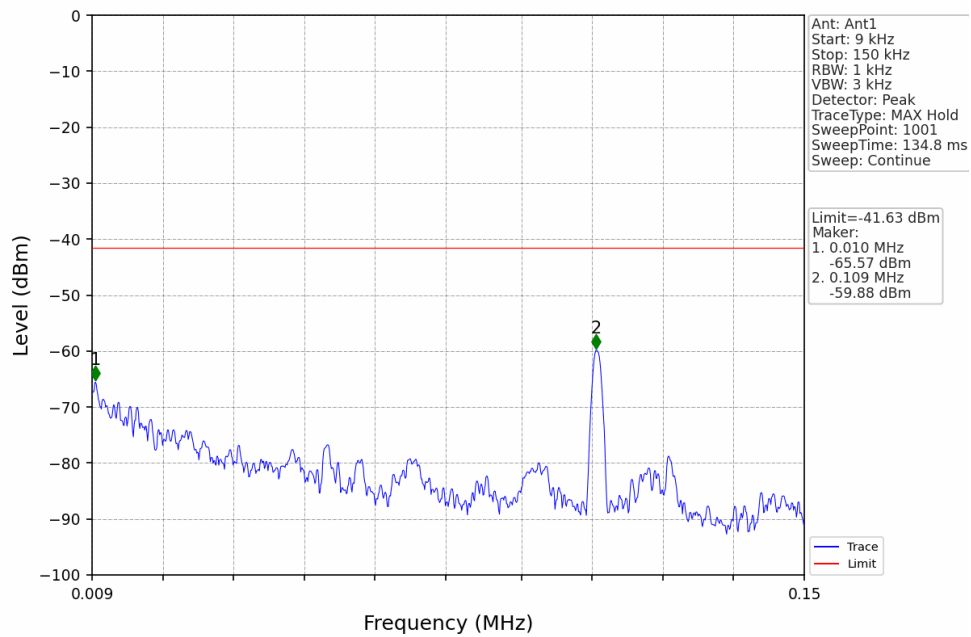
GFSK\_DH5\_LCH\_2402MHz\_Ant1\_NTNV



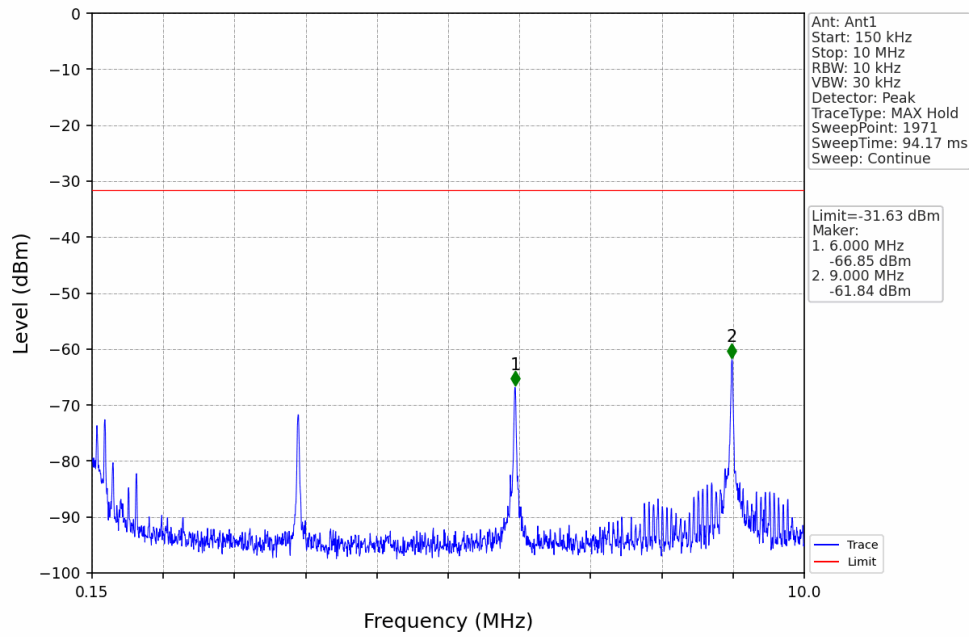
GFSK\_DH5\_LCH\_2402MHz\_Ant1\_NTNV



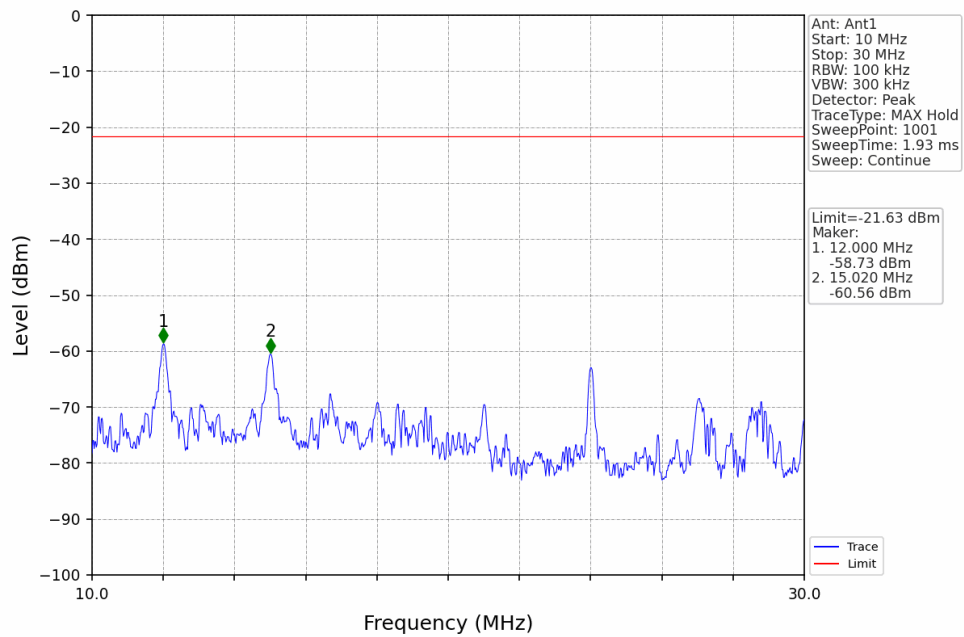
GFSK\_DH5\_MCH\_2441MHz\_Ant1\_NTNV



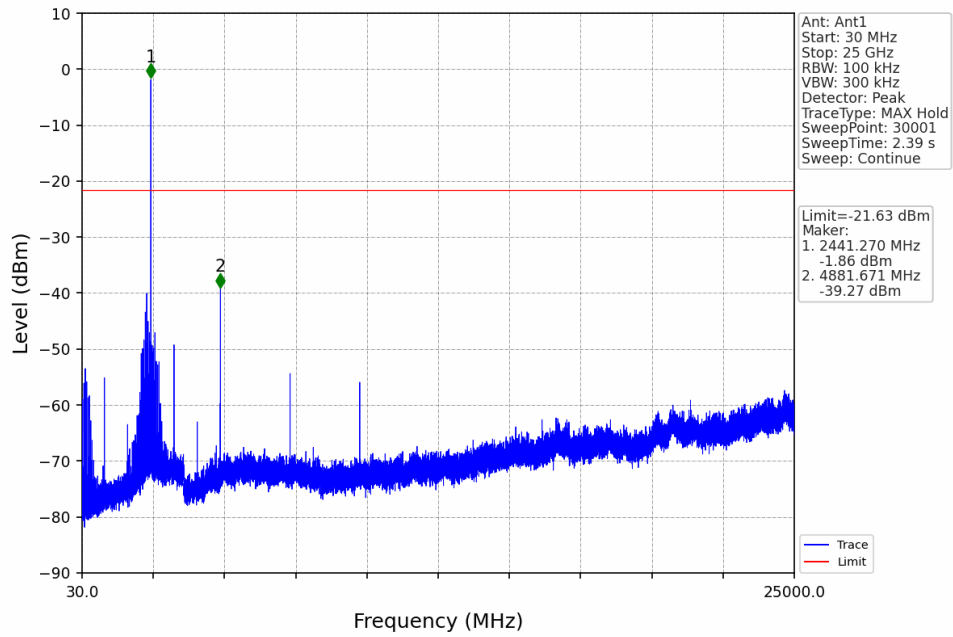
## GFSK\_DH5\_MCH\_2441MHz\_Ant1\_NTNV



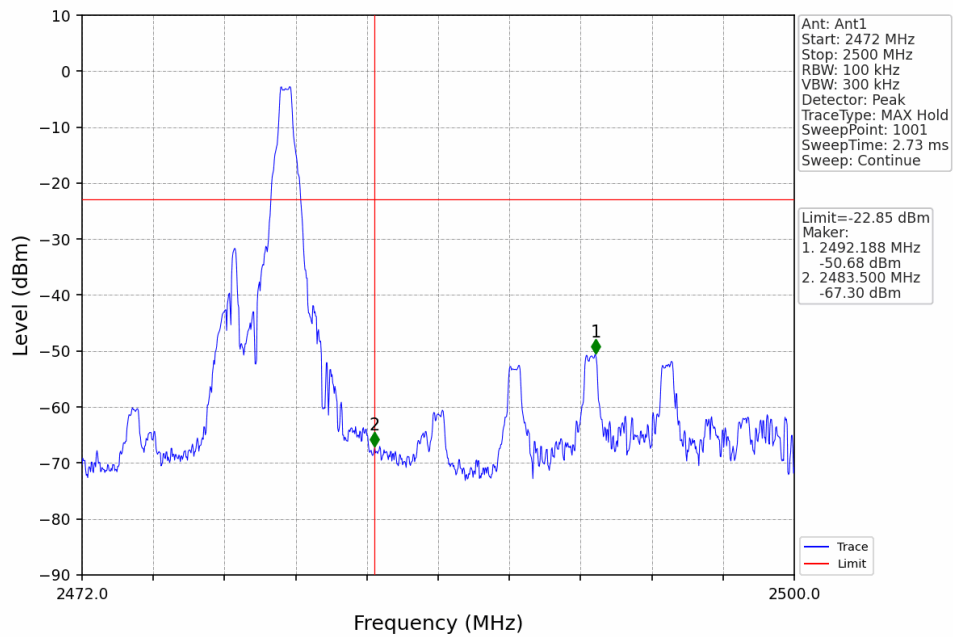
## GFSK\_DH5\_MCH\_2441MHz\_Ant1\_NTNV



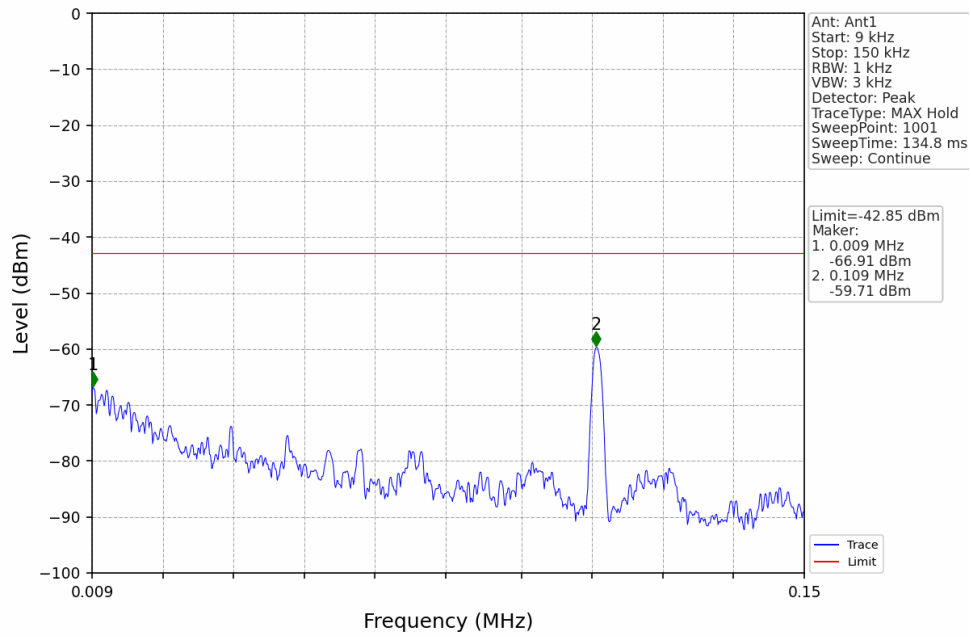
GFSK\_DH5\_MCH\_2441MHz\_Ant1\_NTNV



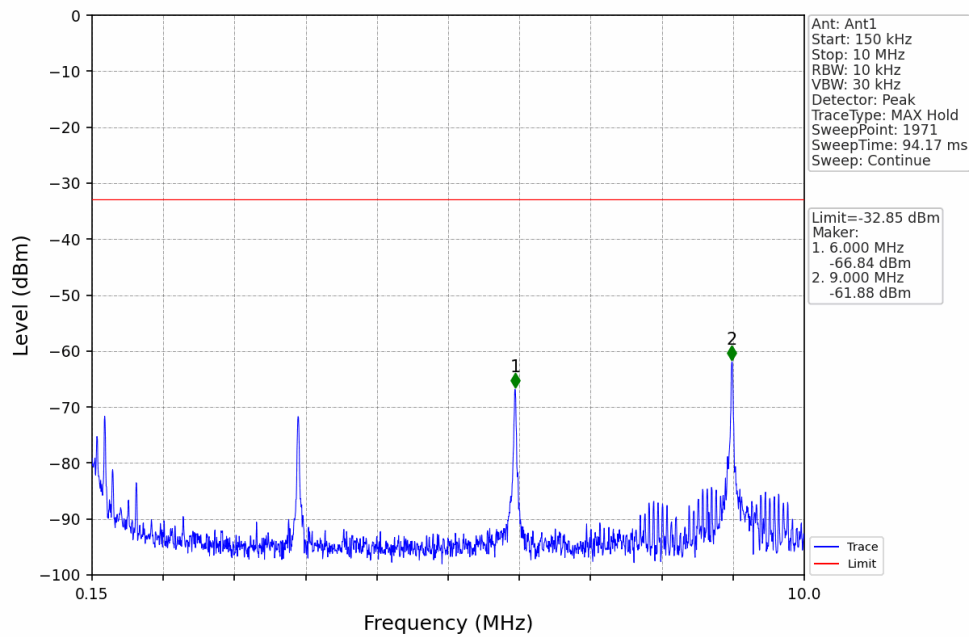
GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



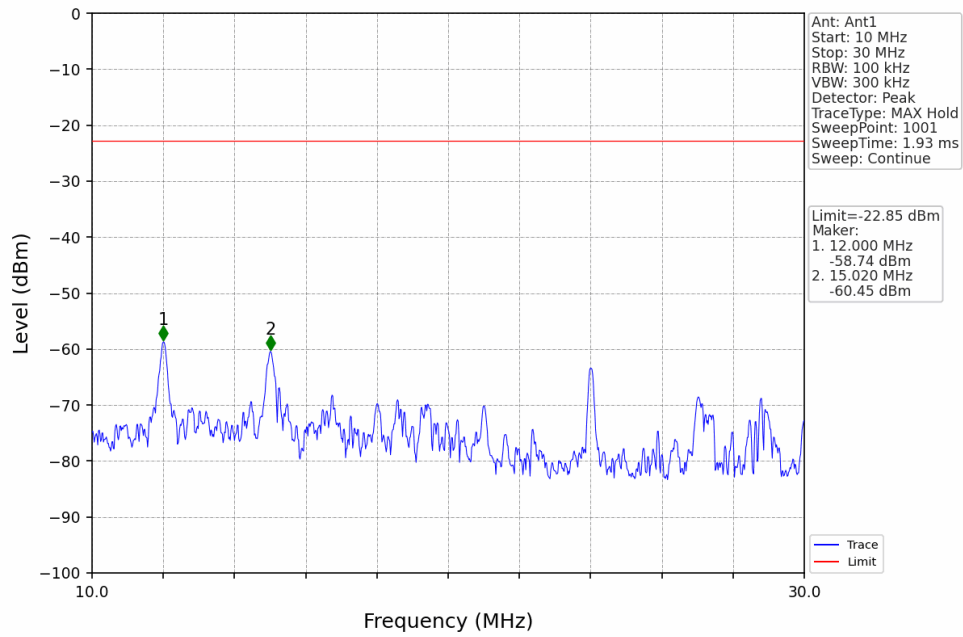
GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



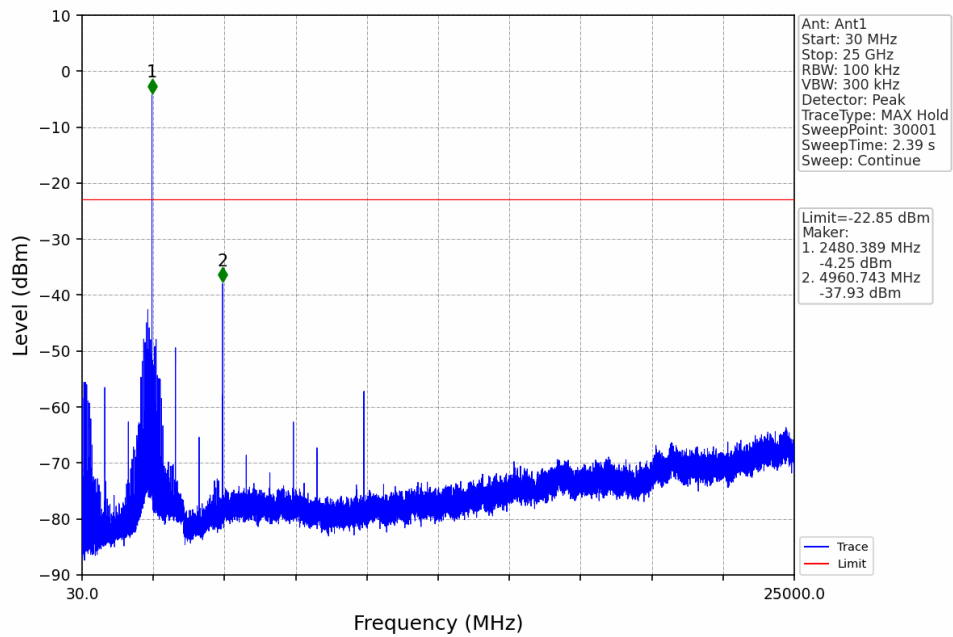
GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



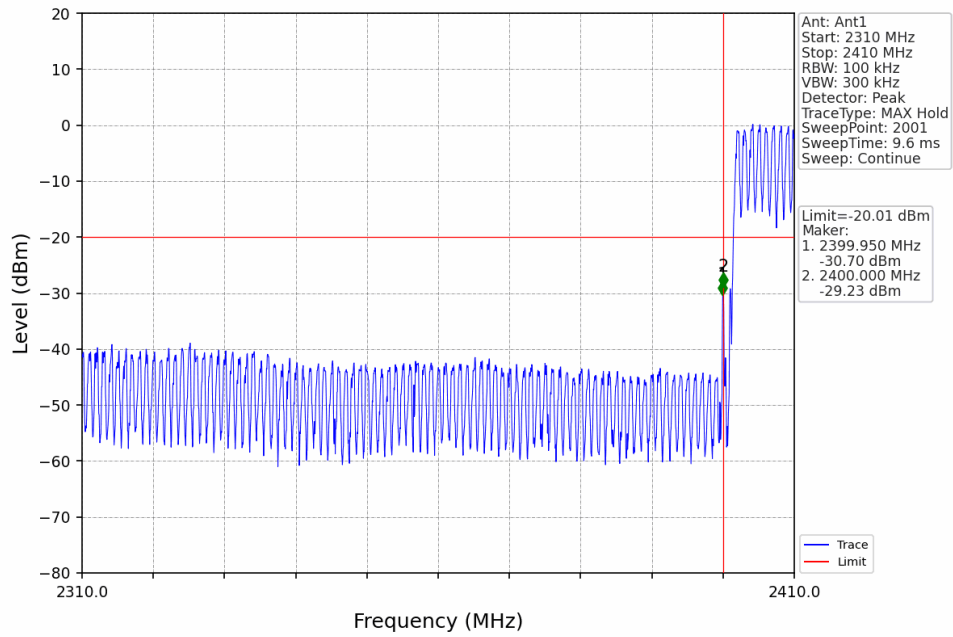
GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



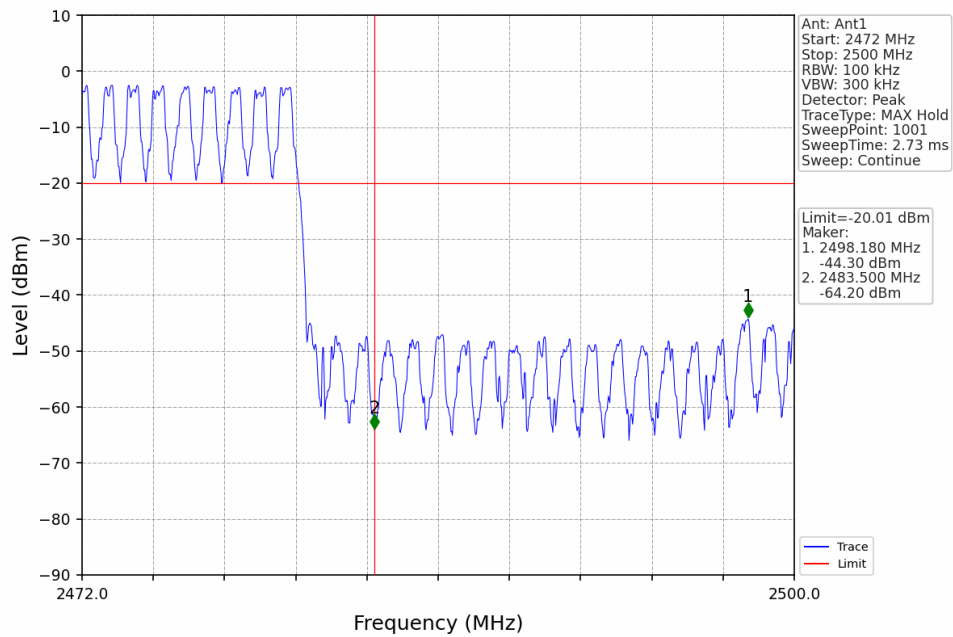
GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



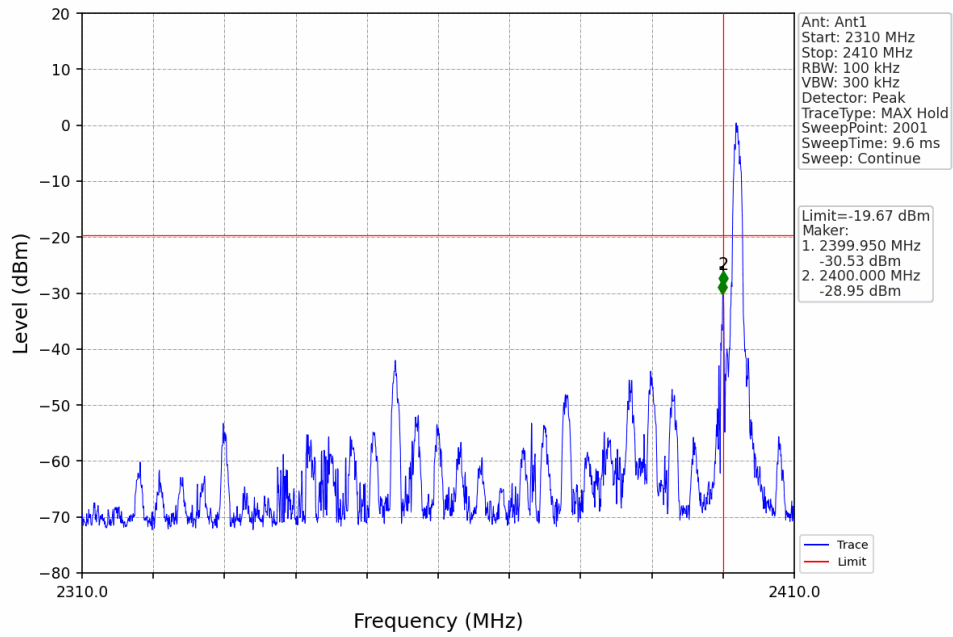
### GFSK\_DH5\_HOPP\_Ant1\_NTNV



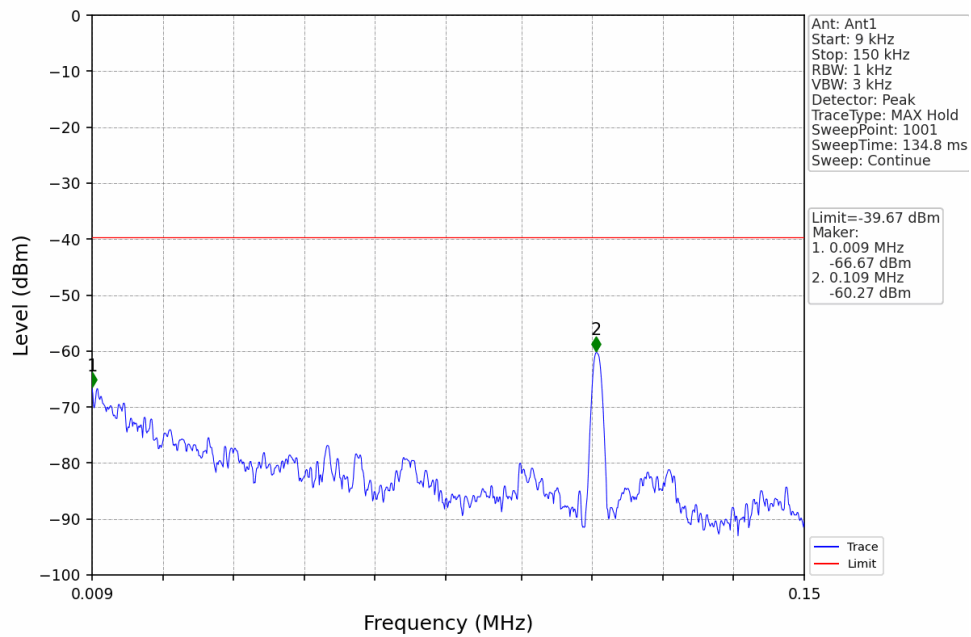
### GFSK\_DH5\_HOPP\_Ant1\_NTNV



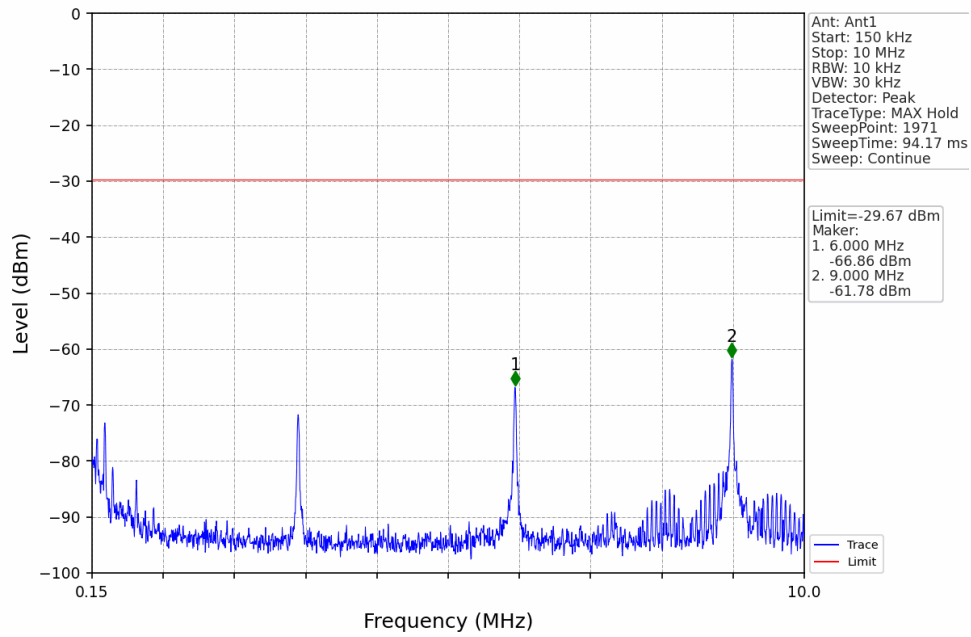
$\pi/4$ -DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



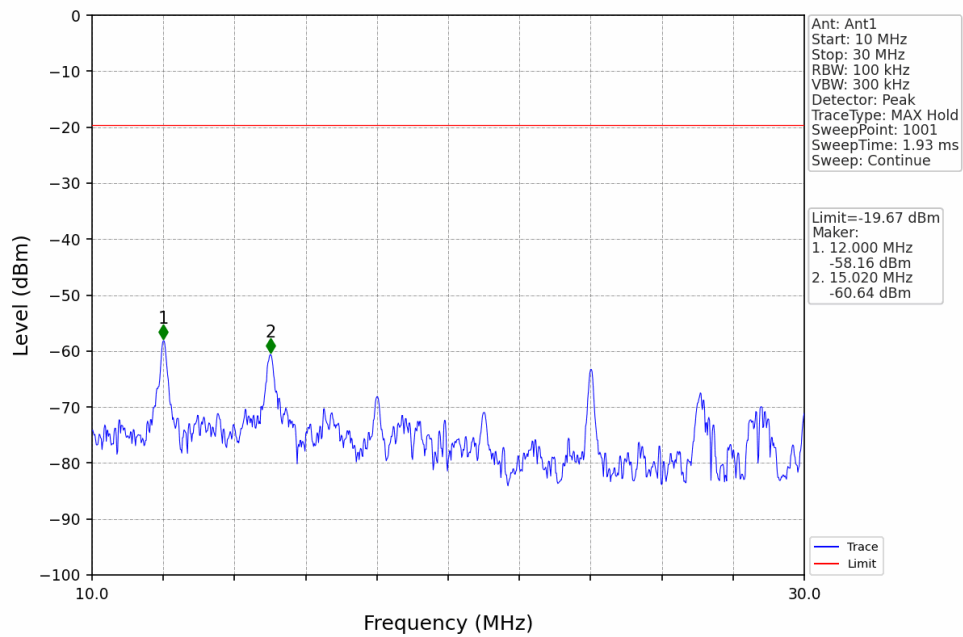
$\pi/4$ -DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



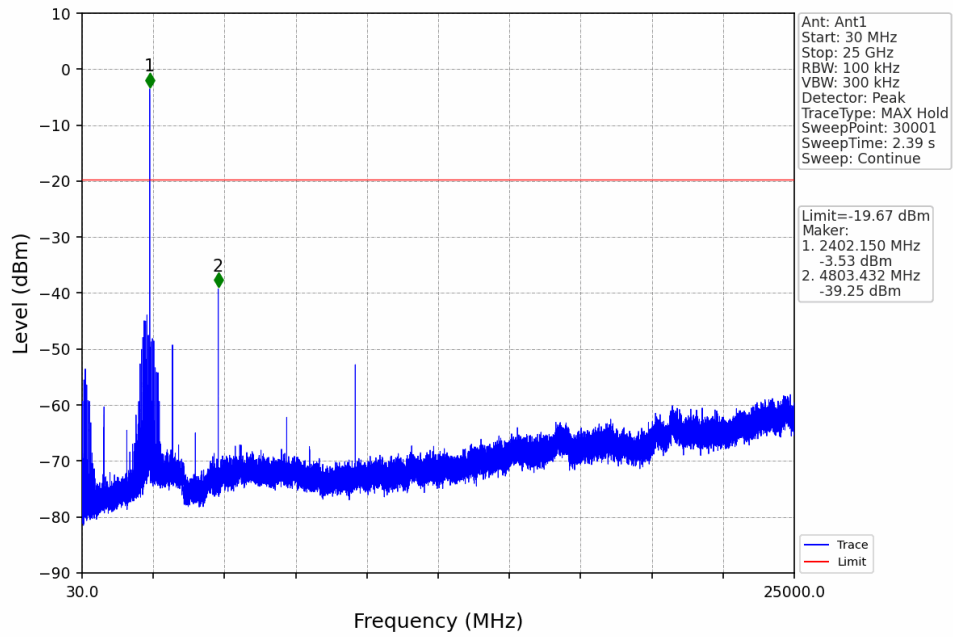
$\pi/4$ -DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



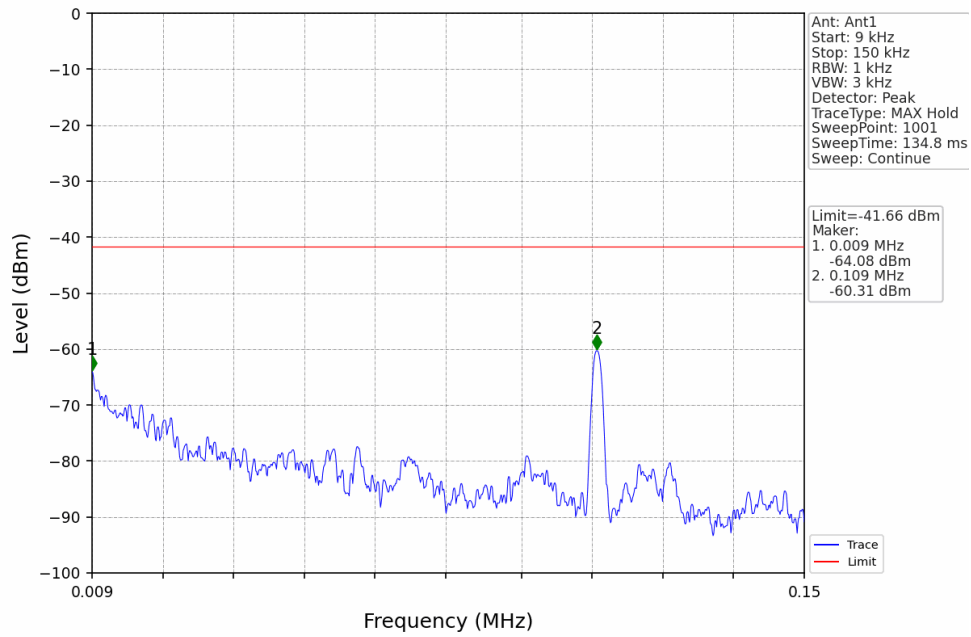
$\pi/4$ -DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



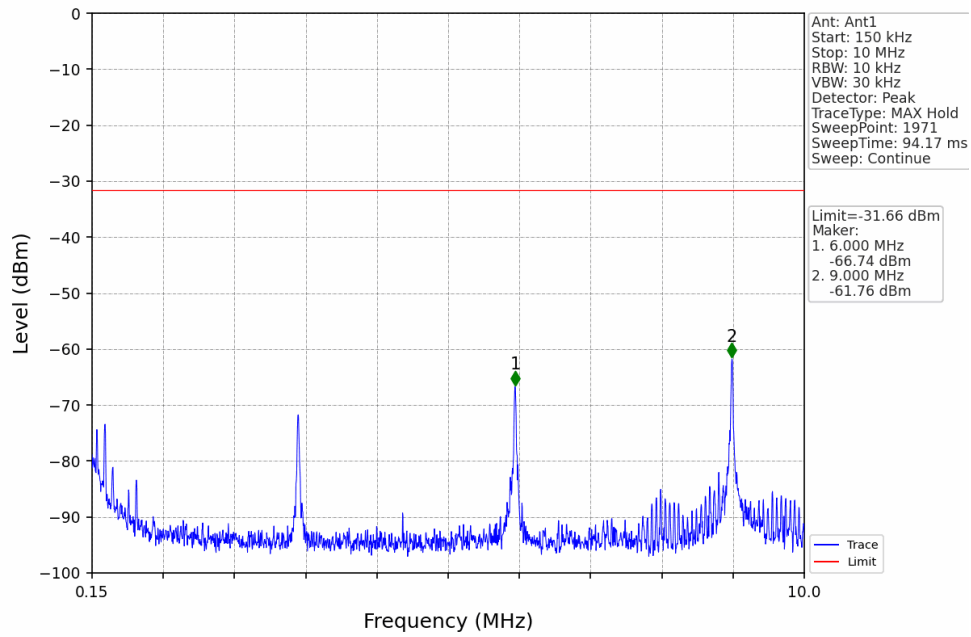
$\pi/4$ -DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



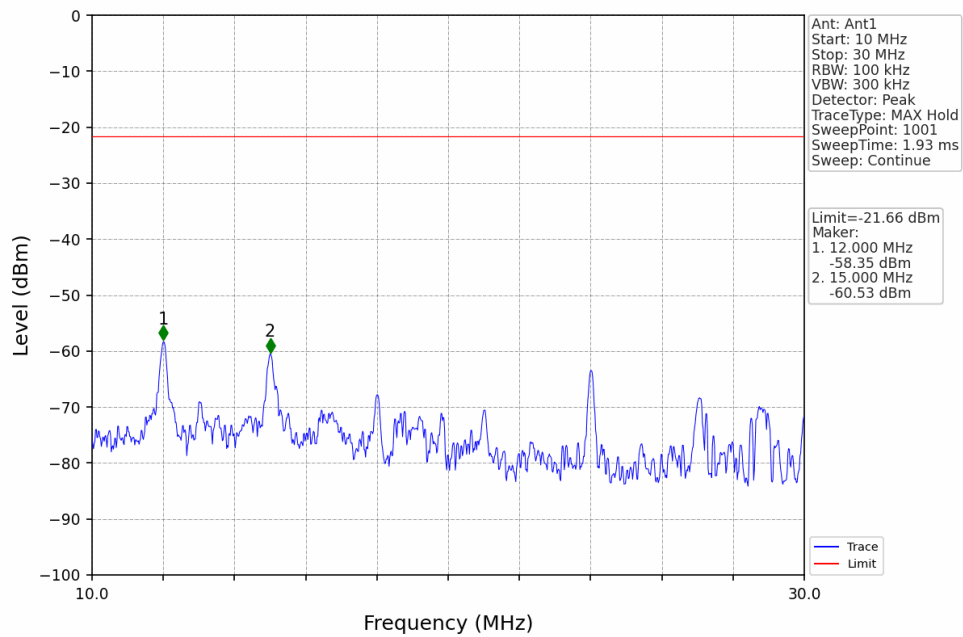
$\pi/4$ -DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



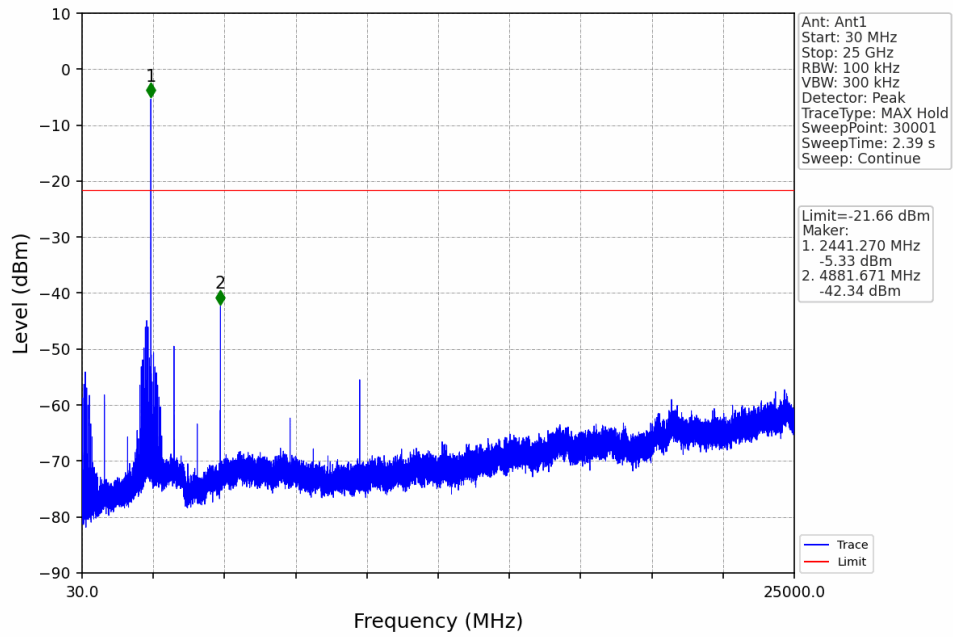
$\pi/4$ -DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



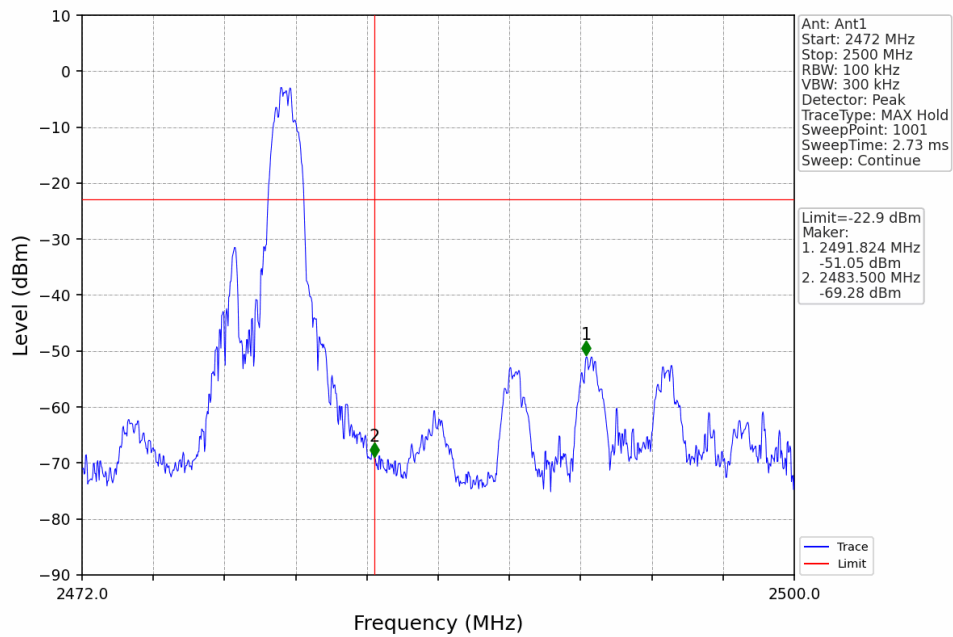
$\pi/4$ -DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



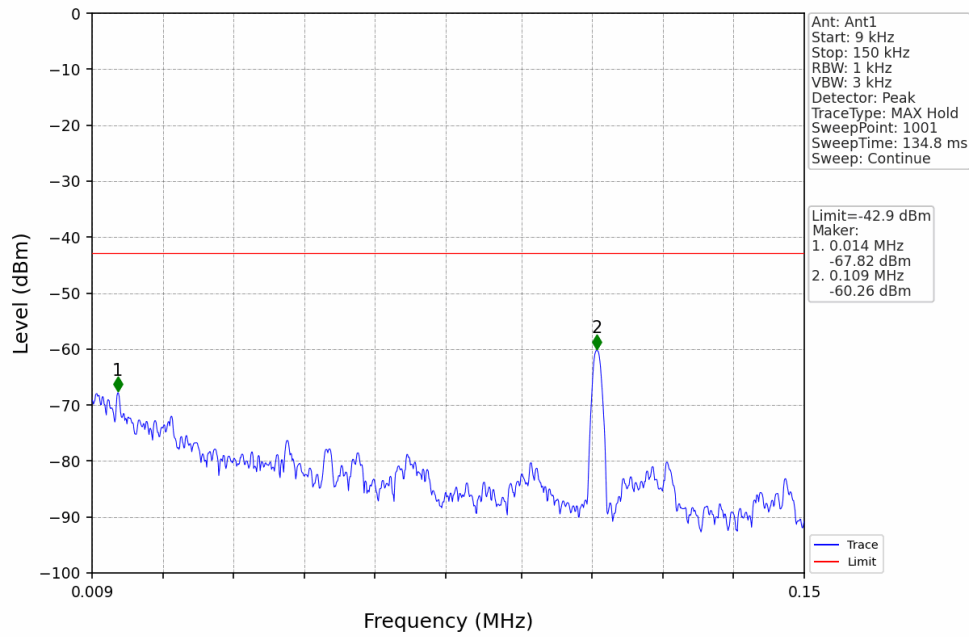
$\pi/4$ -DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



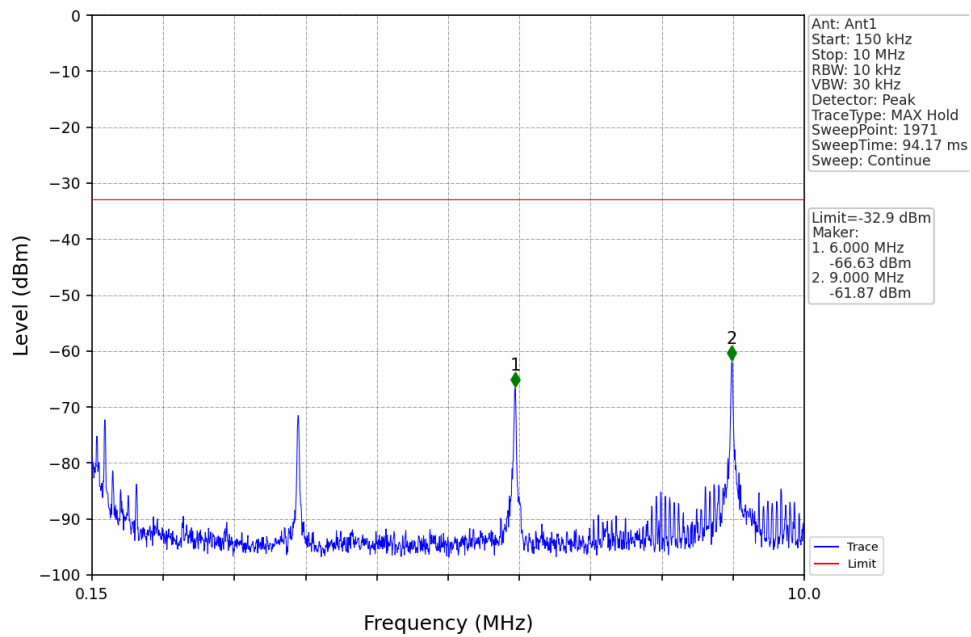
$\pi/4$ -DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



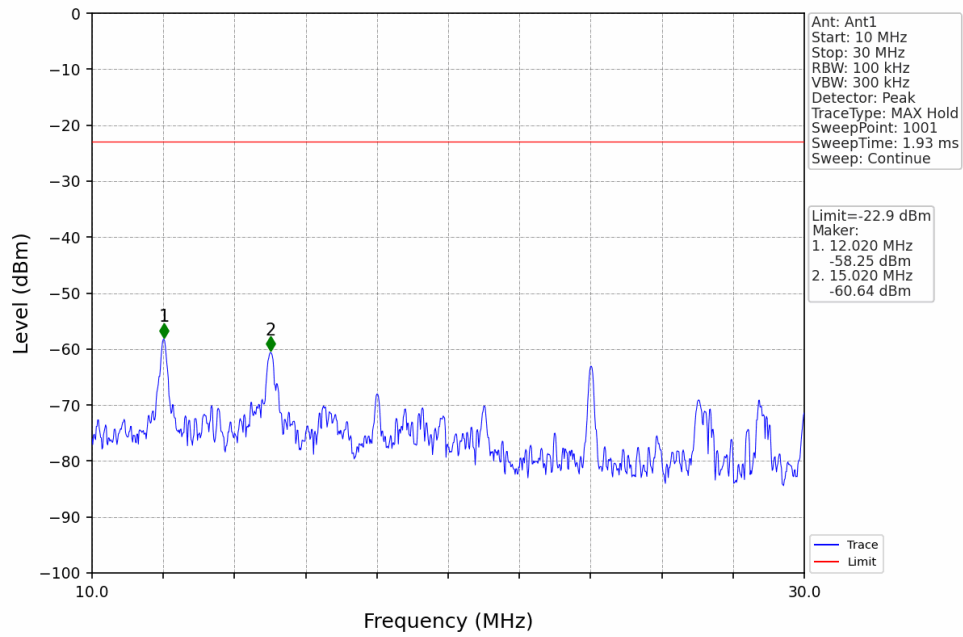
$\pi/4$ -DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



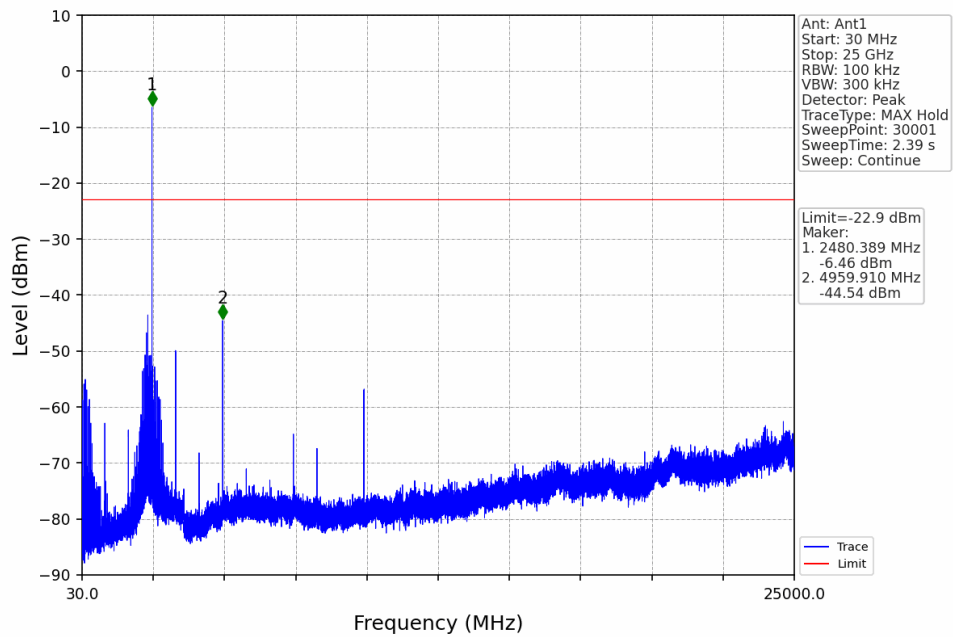
$\pi/4$ -DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



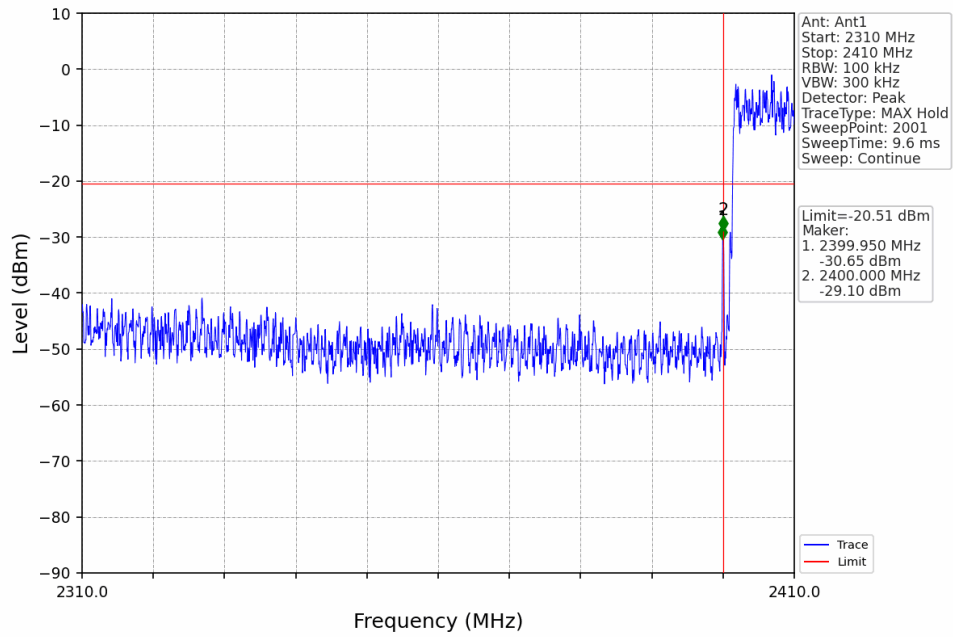
$\pi/4$ -DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



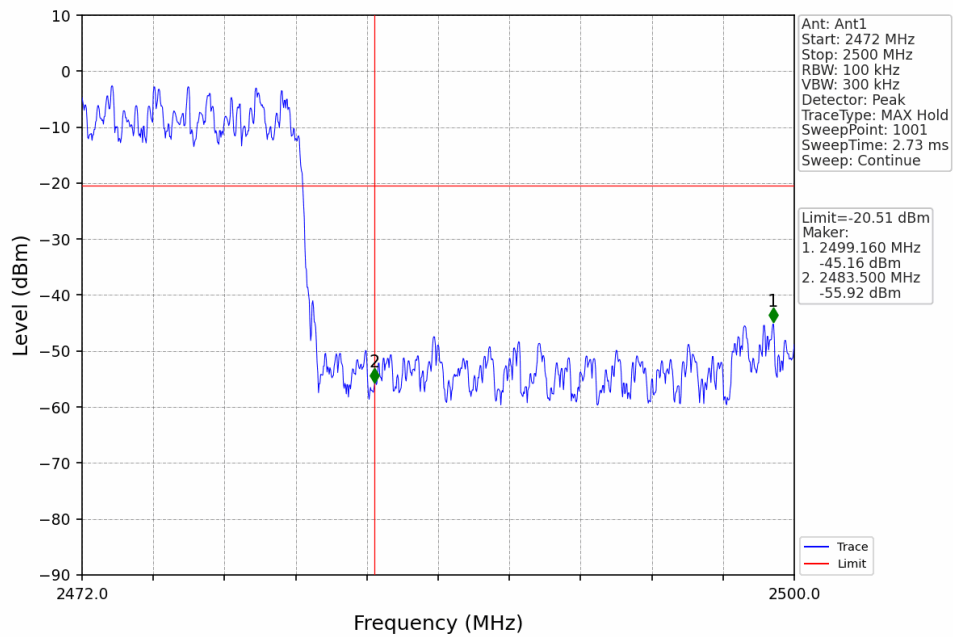
$\pi/4$ -DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



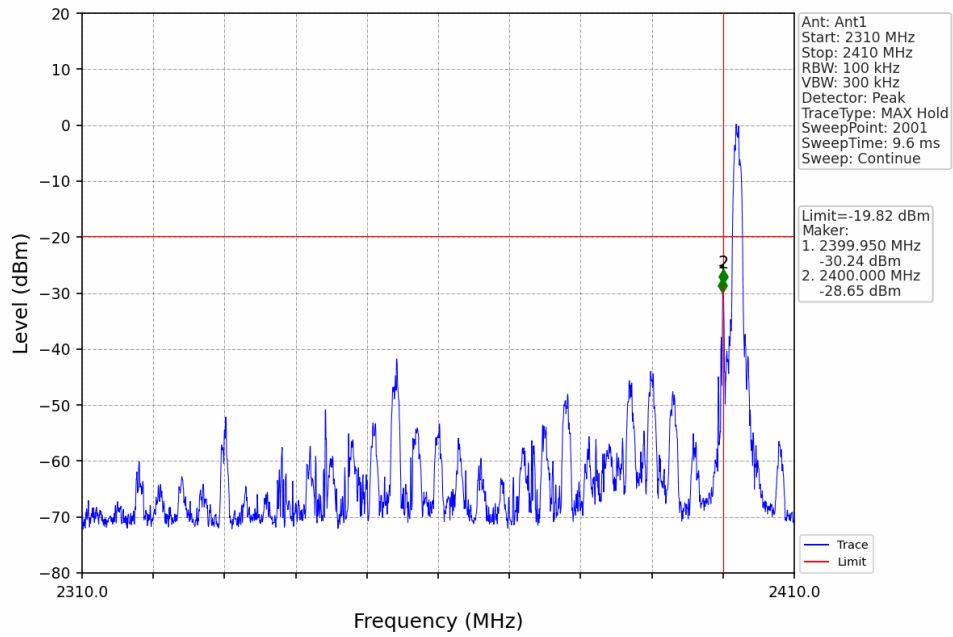
$\pi/4$ -DQPSK 2DH5\_HOPP\_Ant1\_NTNV



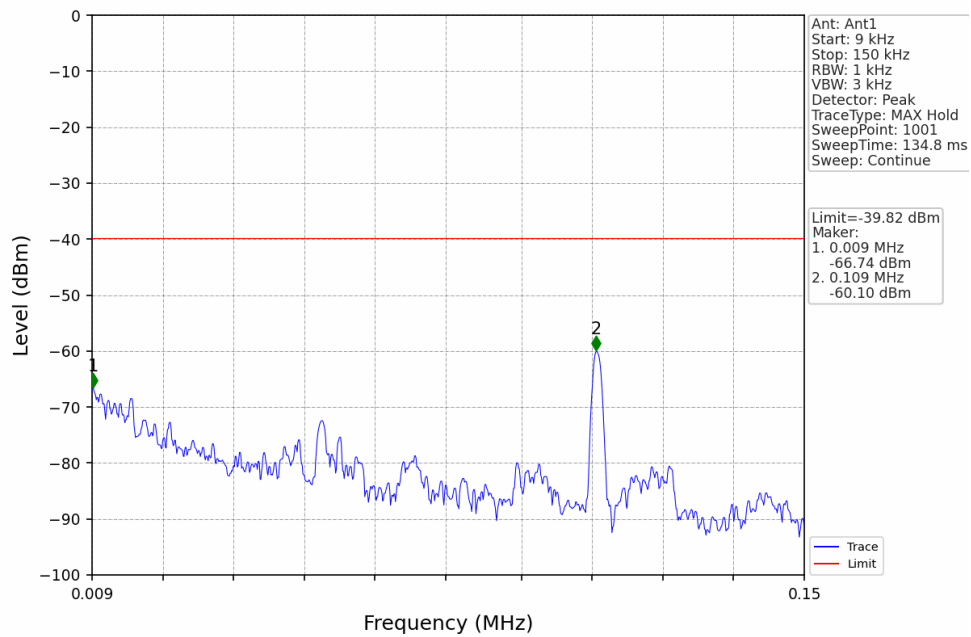
$\pi/4$ -DQPSK 2DH5\_HOPP\_Ant1\_NTNV



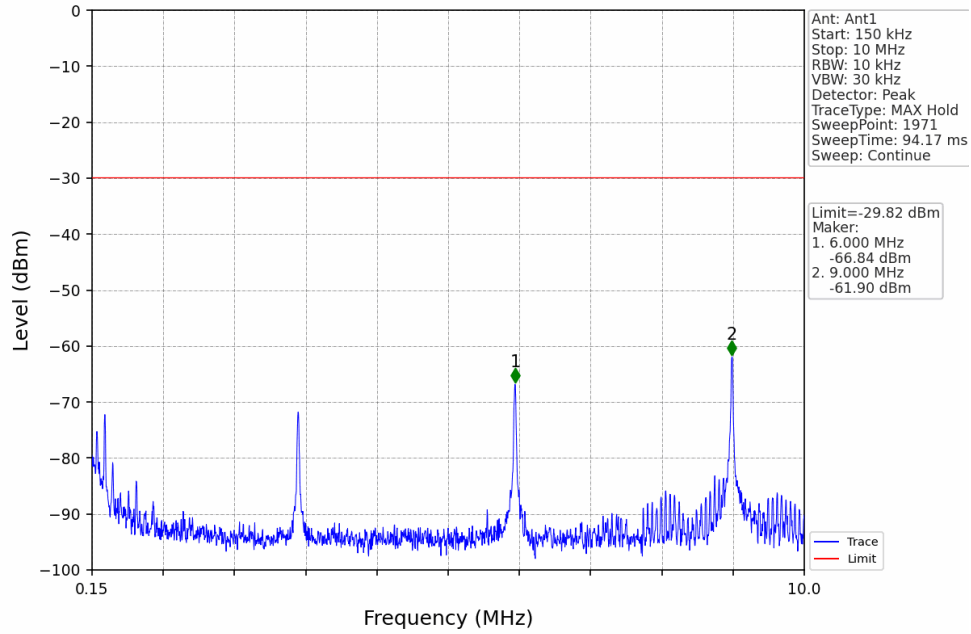
8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



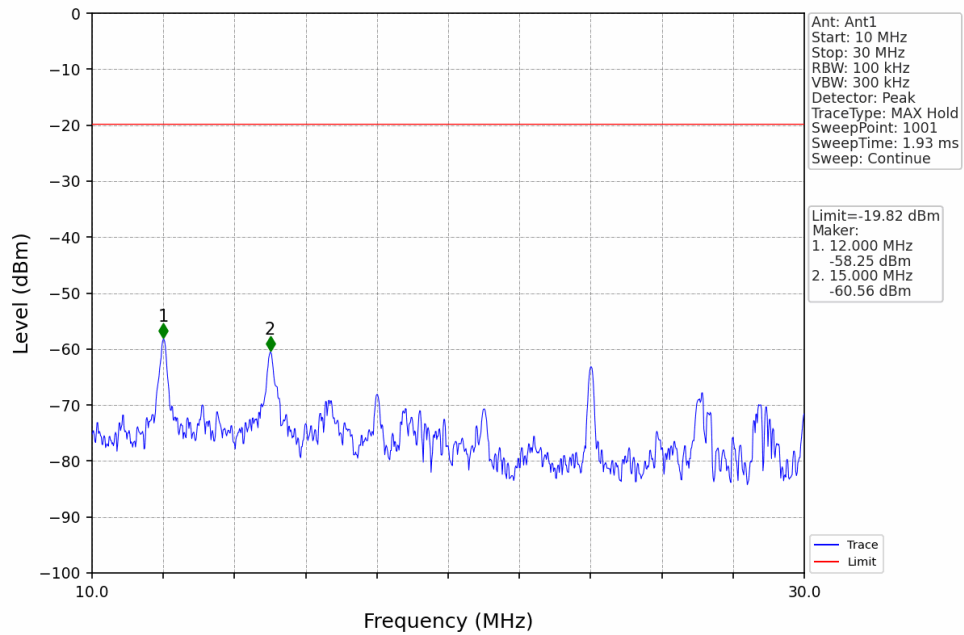
8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



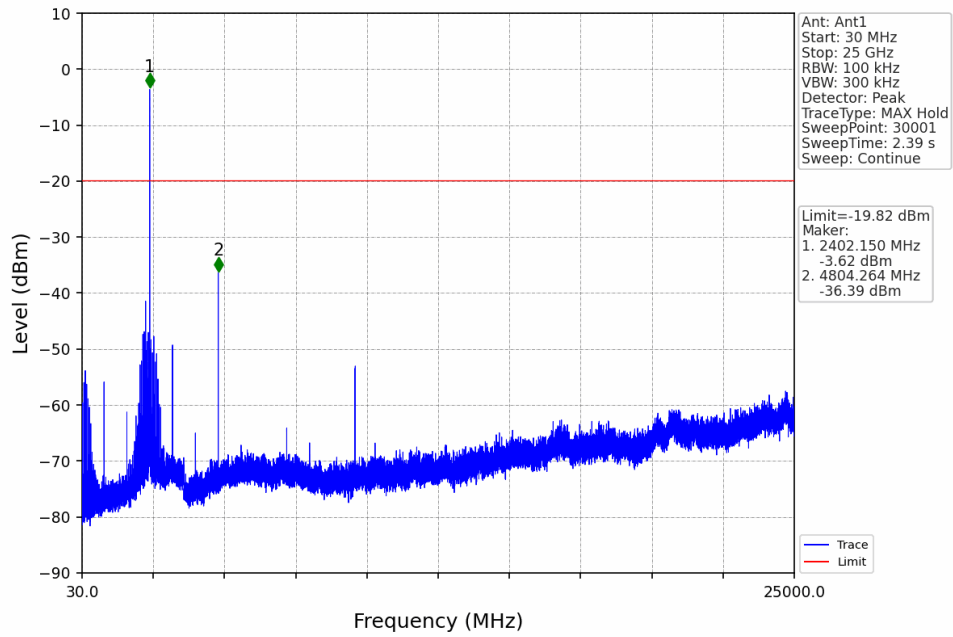
8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



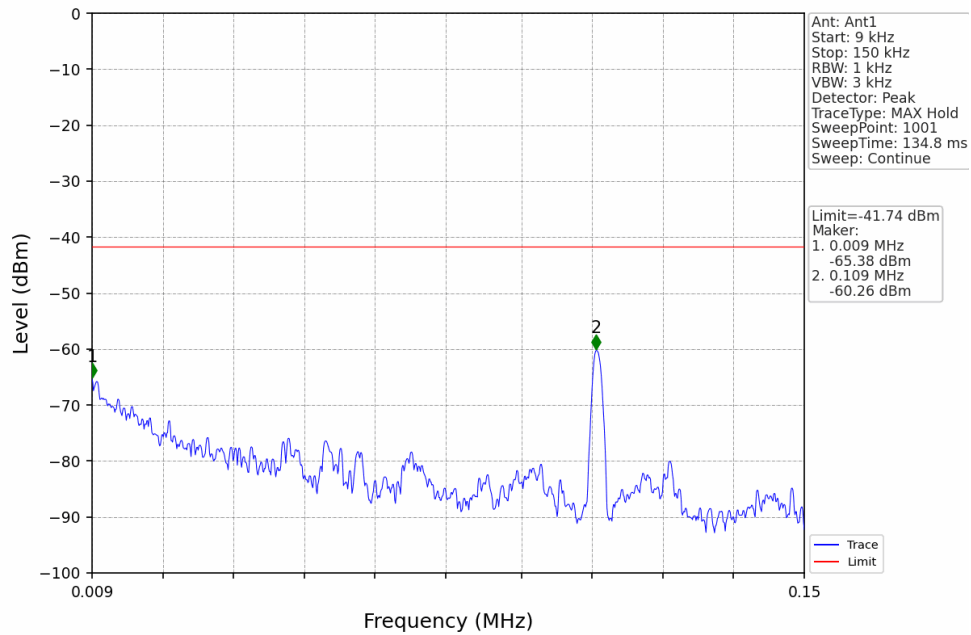
8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



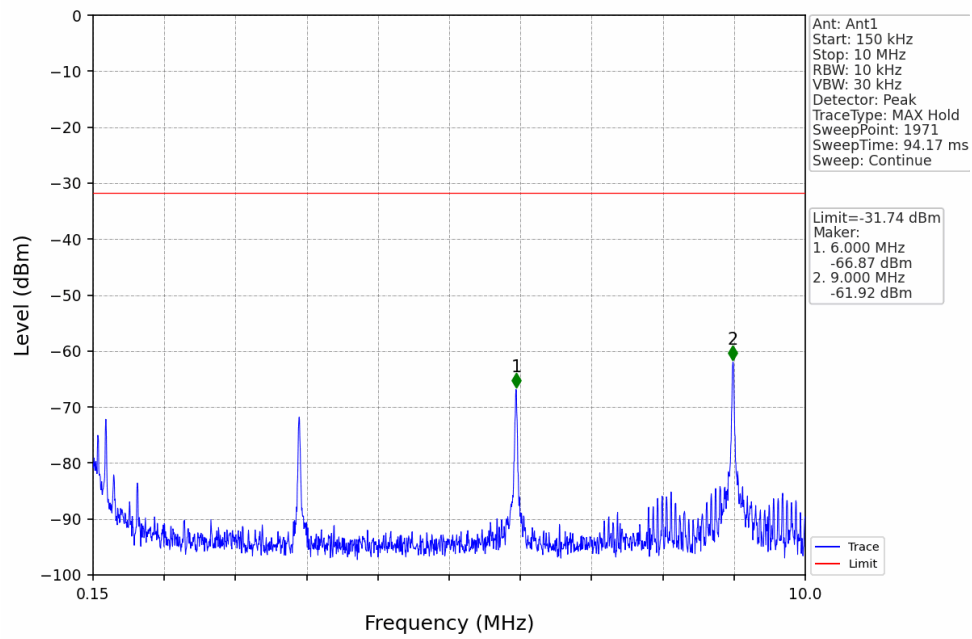
8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



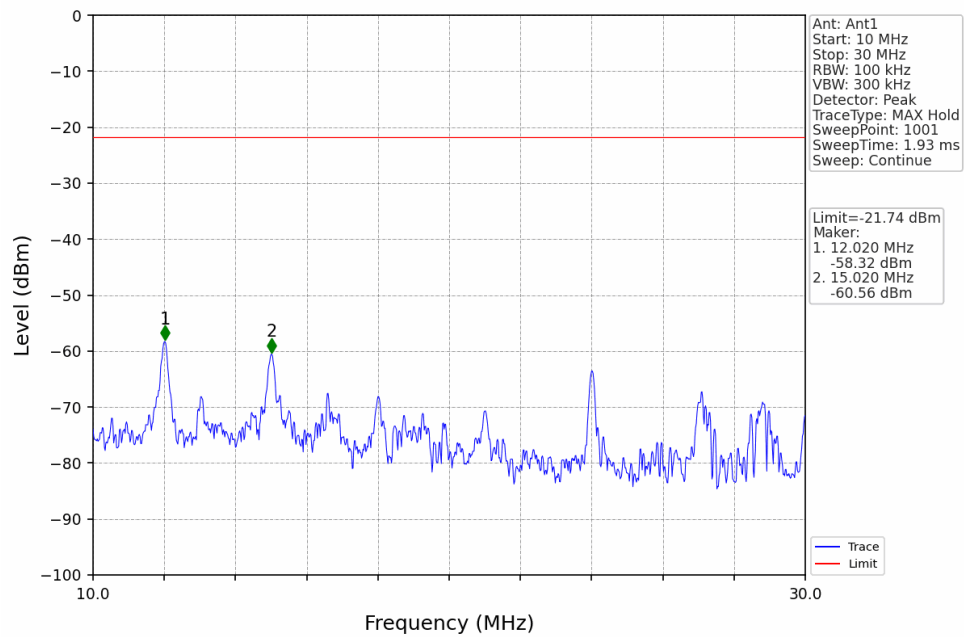
8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV



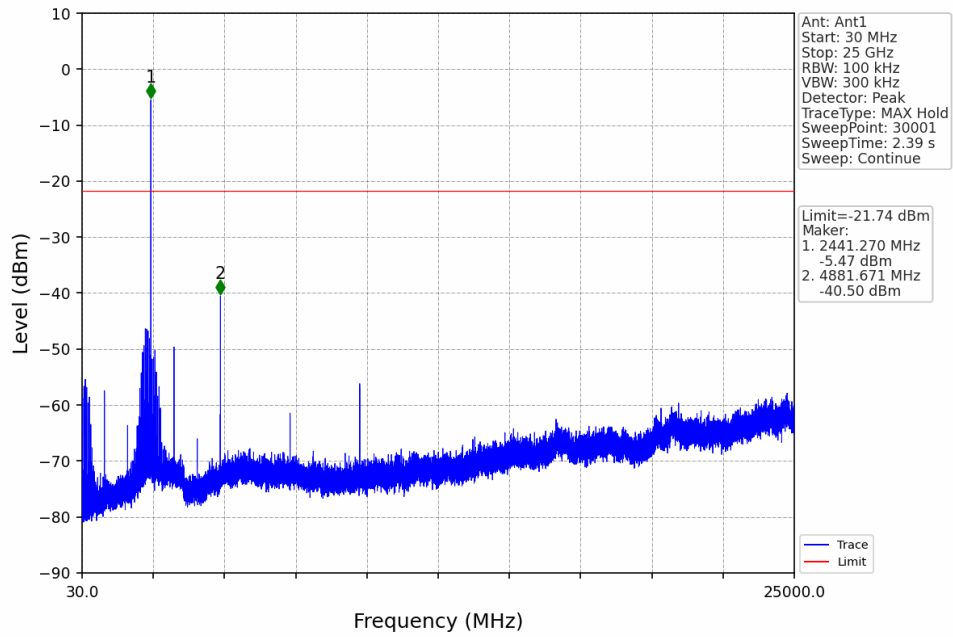
## 8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV



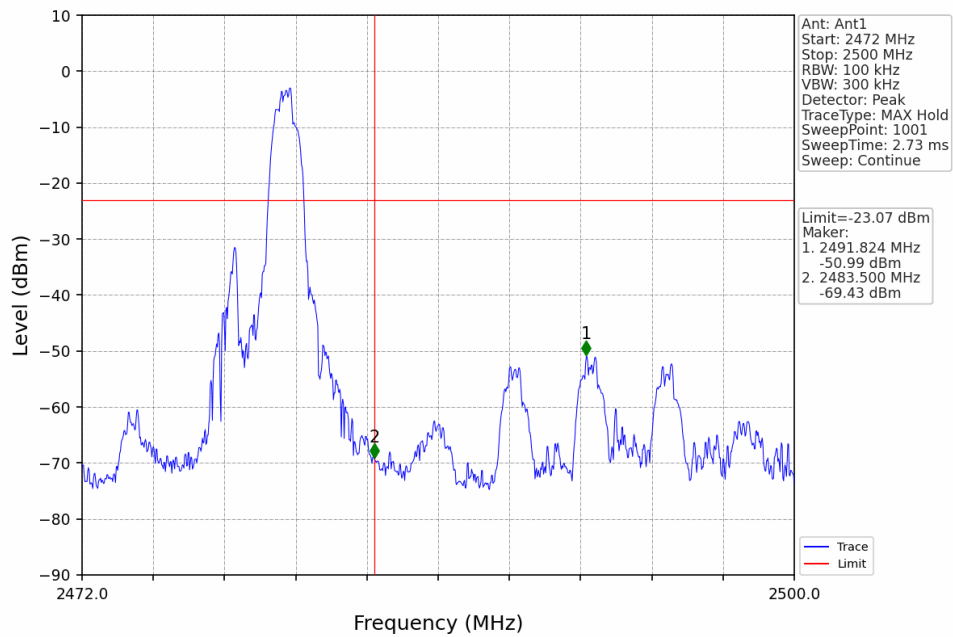
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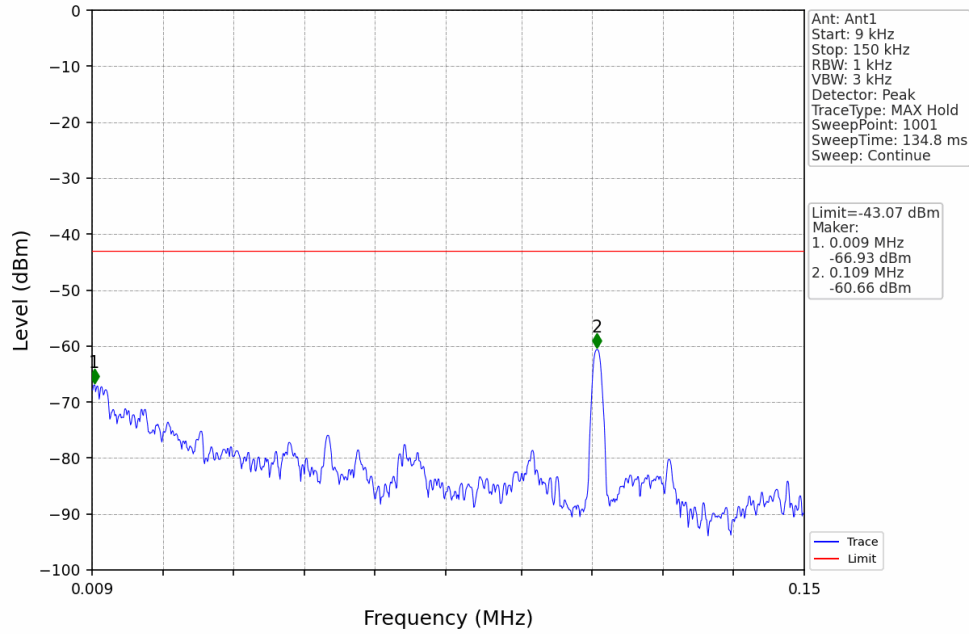
8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV



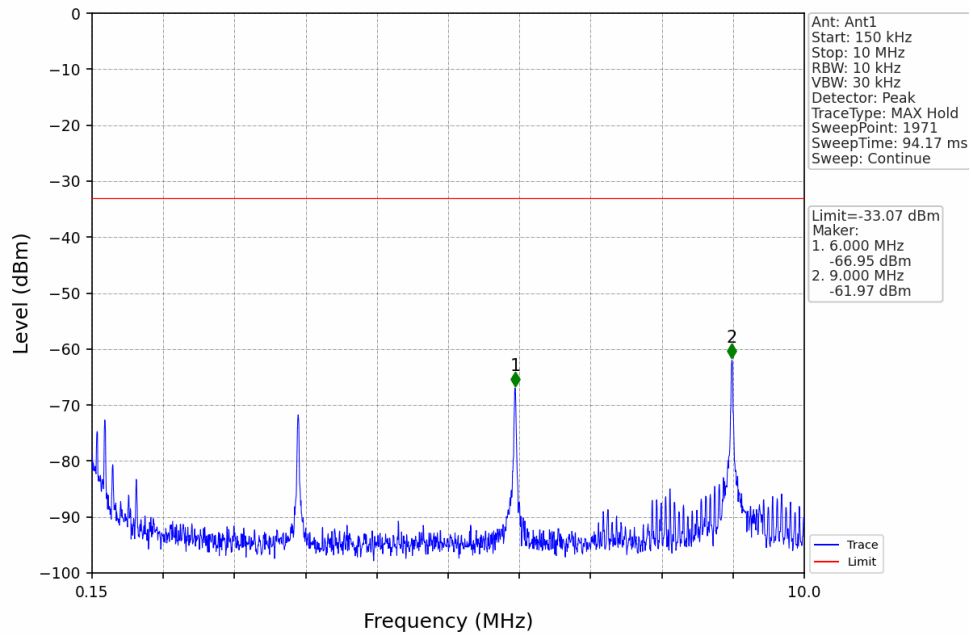
8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



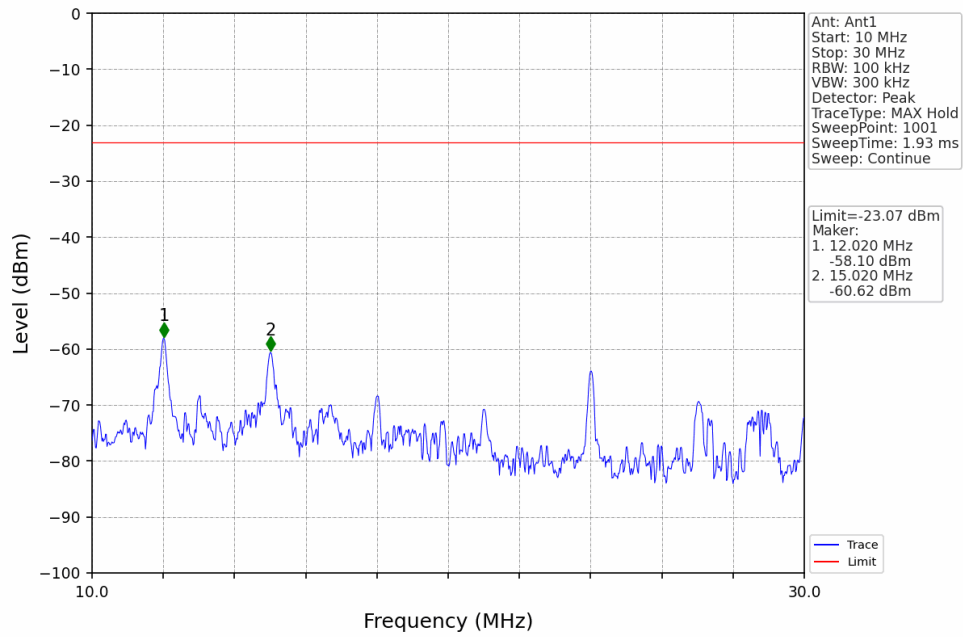
8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



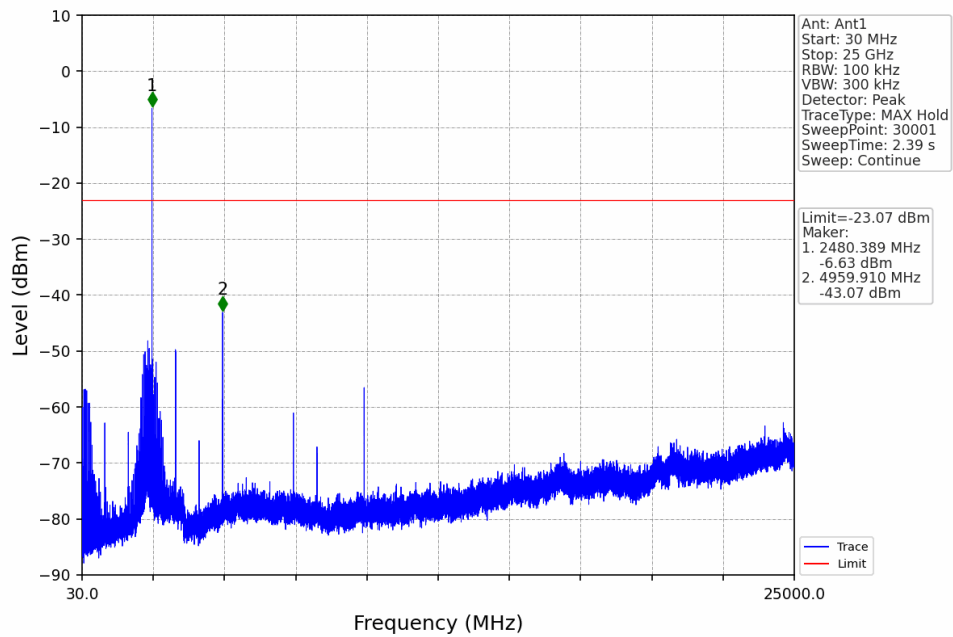
8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



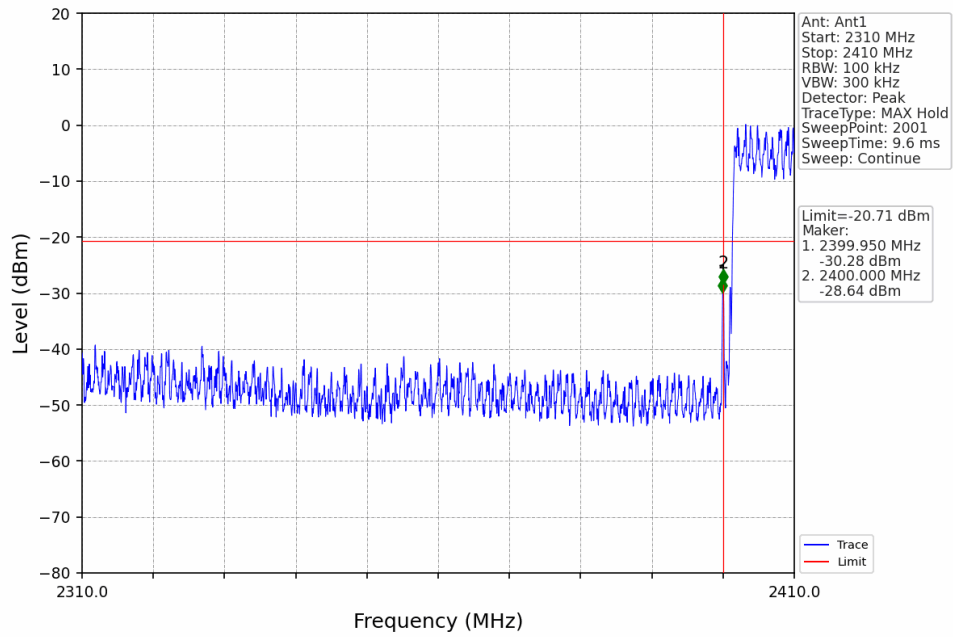
## 8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



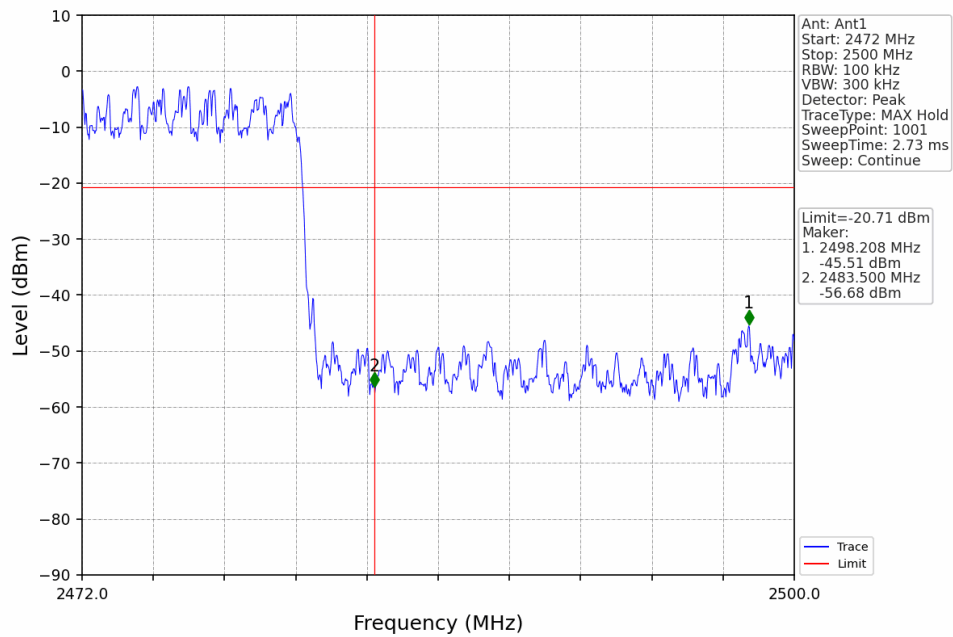
## 8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



### 8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



### 8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



## 8.Restrict-band Band-edge Test

### 8.1Test Result

| Test Mode: GFSK |                 |                |               |                         | CH Low: 2402 MHz |             |               |        |
|-----------------|-----------------|----------------|---------------|-------------------------|------------------|-------------|---------------|--------|
| Pol.            | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Emission level (dBuV/m) | Limit (dBuV/m)   | Margin (dB) | Detector Type | Result |
| H               | 2310.00         | 44.92          | -2.81         | 42.11                   | 74.00            | -31.89      | PK            | PASS   |
| H               | 2390.00         | 49.12          | -2.69         | 46.43                   | 74.00            | -27.57      | PK            | PASS   |
| H               | **2400.00       | 64.96          | -2.68         | 62.28                   | 74.00            | -11.72      | PK            | PASS   |
| V               | 2310.00         | 46.49          | -2.81         | 43.68                   | 74.00            | -30.32      | PK            | PASS   |
| V               | 2390.00         | 47.79          | -2.69         | 45.10                   | 74.00            | -28.90      | PK            | PASS   |
| V               | **2400.00       | 63.73          | -2.68         | 61.05                   | 74.00            | -12.95      | PK            | PASS   |
| H               | 2310.00         | 33.27          | -2.81         | 30.46                   | 54.00            | -23.54      | AV            | PASS   |
| H               | 2390.00         | 35.86          | -2.69         | 33.17                   | 54.00            | -20.83      | AV            | PASS   |
| H               | **2400.00       | 47.58          | -2.68         | 44.90                   | 54.00            | -9.10       | AV            | PASS   |
| V               | 2310.00         | 32.62          | -2.81         | 29.81                   | 54.00            | -24.19      | AV            | PASS   |
| V               | 2390.00         | 36.11          | -2.69         | 33.42                   | 54.00            | -20.58      | AV            | PASS   |
| V               | **2400.00       | 50.59          | -2.68         | 47.91                   | 54.00            | -6.09       | AV            | PASS   |

| Test Mode: GFSK |                 |                |               |                         | CH High: 2480 MHz |             |               |        |
|-----------------|-----------------|----------------|---------------|-------------------------|-------------------|-------------|---------------|--------|
| Pol.            | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Emission level (dBuV/m) | Limit (dBuV/m)    | Margin (dB) | Detector Type | Result |
| H               | **2483.50       | 48.19          | -2.56         | 45.63                   | 74.00             | -28.37      | PK            | PASS   |
| H               | 2500.00         | 50.28          | -2.54         | 47.74                   | 74.00             | -26.26      | PK            | PASS   |
| V               | **2483.50       | 47.29          | -2.56         | 44.73                   | 74.00             | -29.27      | PK            | PASS   |
| V               | 2500.00         | 52.24          | -2.54         | 49.70                   | 74.00             | -24.30      | PK            | PASS   |
| H               | **2483.50       | 37.77          | -2.56         | 35.21                   | 54.00             | -18.79      | AV            | PASS   |
| H               | 2500.00         | 39.22          | -2.54         | 36.68                   | 54.00             | -17.32      | AV            | PASS   |
| V               | **2483.50       | 39.89          | -2.56         | 37.33                   | 54.00             | -16.67      | AV            | PASS   |
| V               | 2500.00         | 39.49          | -2.54         | 36.95                   | 54.00             | -17.05      | AV            | PASS   |

Remark:

1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.

.....End.....