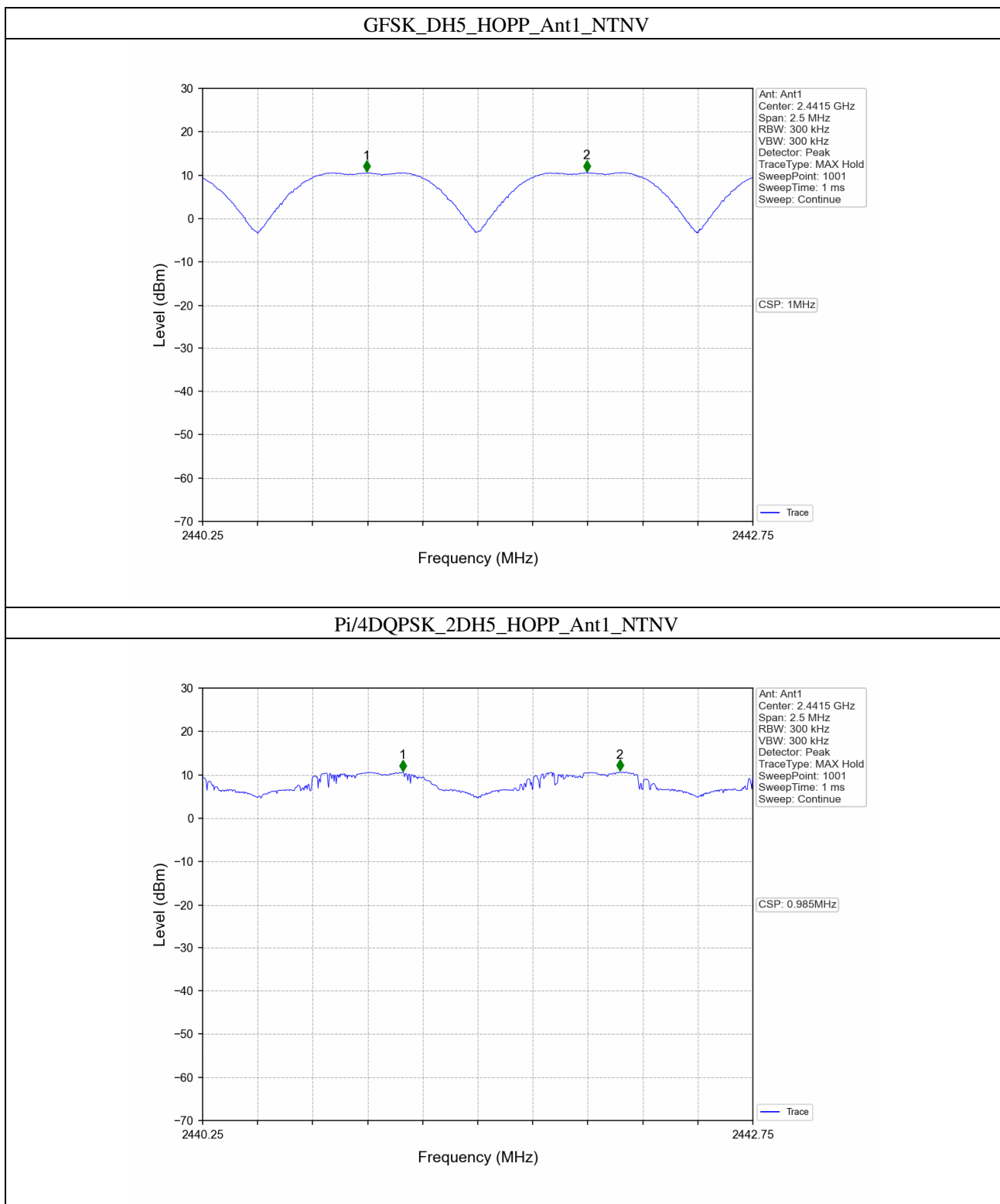
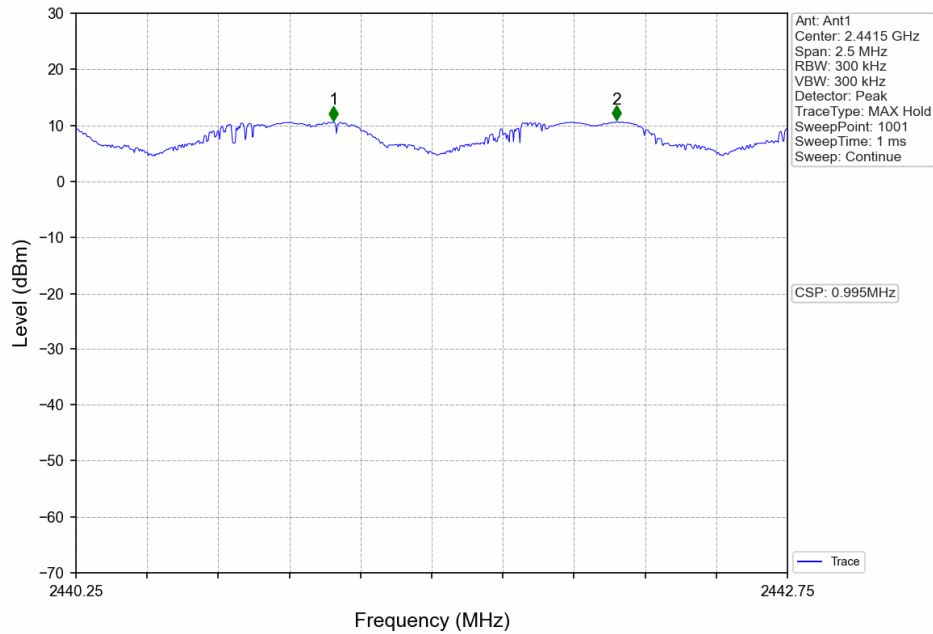


### 3.1.2 Test Graph



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



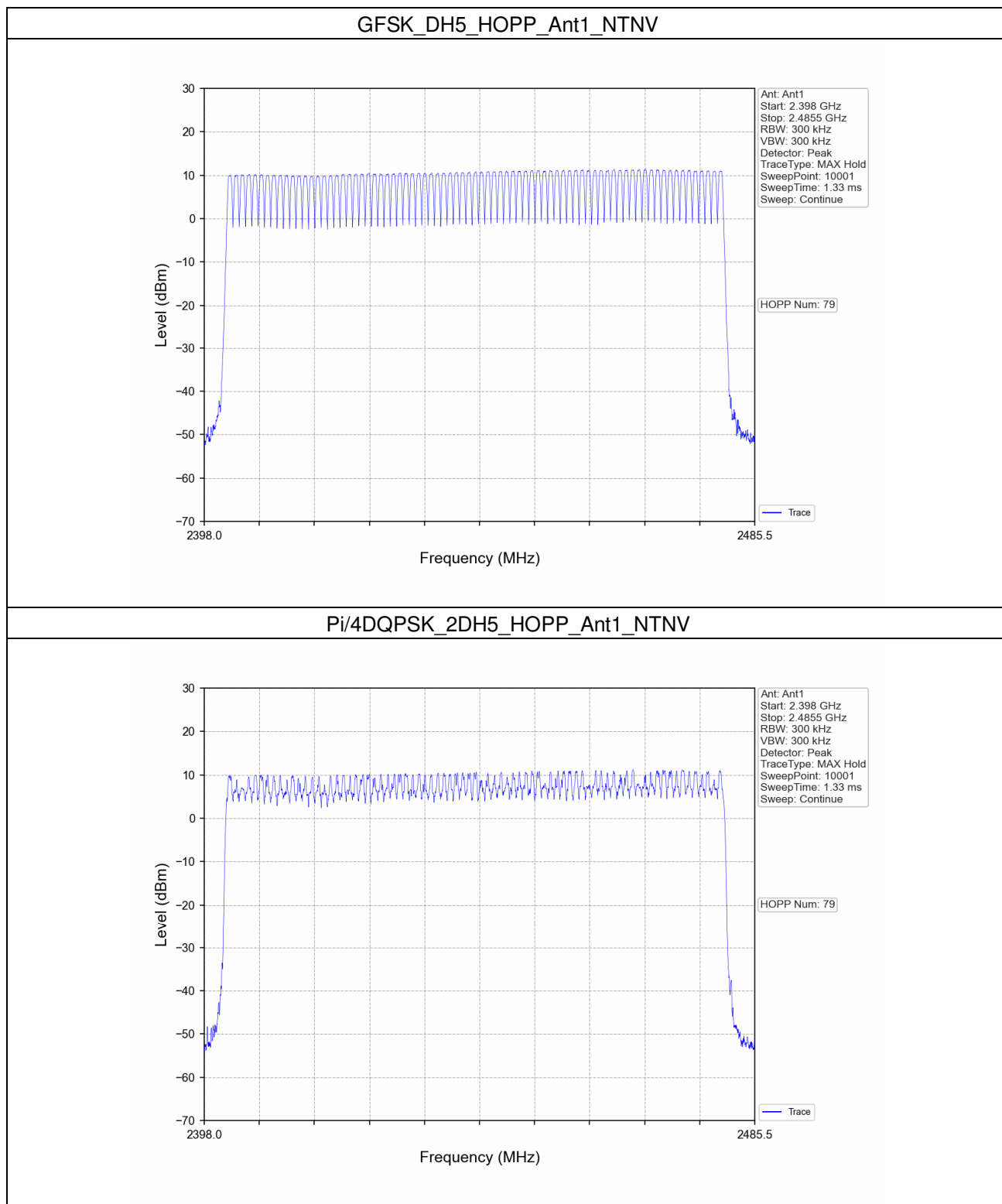
## 4. Number of Hopping Frequencies

### 4.1 HoppNum

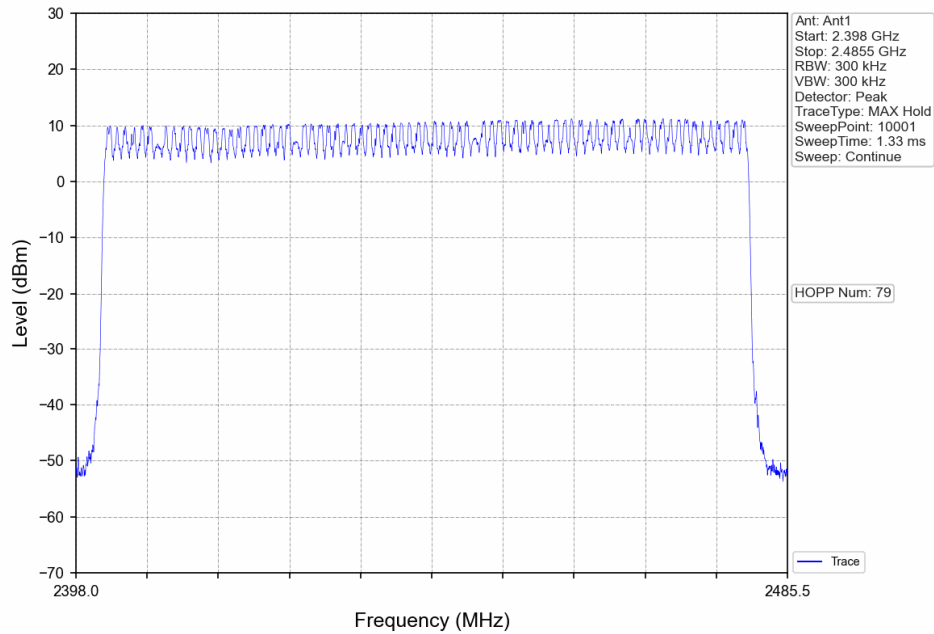
#### 4.1.1 Test Result

| Mode      | TX Type | Frequency (MHz) | Packet Type | Num of Hopping Frequencies |           | Verdict |
|-----------|---------|-----------------|-------------|----------------------------|-----------|---------|
|           |         |                 |             | Ant1                       | Limit     |         |
| GFSK      | SISO    | HOPP            | DH5         | 79                         | $\geq 15$ | Pass    |
| Pi/4DQPSK | SISO    | HOPP            | 2DH5        | 79                         | $\geq 15$ | Pass    |
| 8DPSK     | SISO    | HOPP            | 3DH5        | 79                         | $\geq 15$ | Pass    |

## 4.1.2 Test Graph



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



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## 5. Time of Occupancy (Dwell Time)

## 5.1 Ant1

## 5.1.1 Test Result

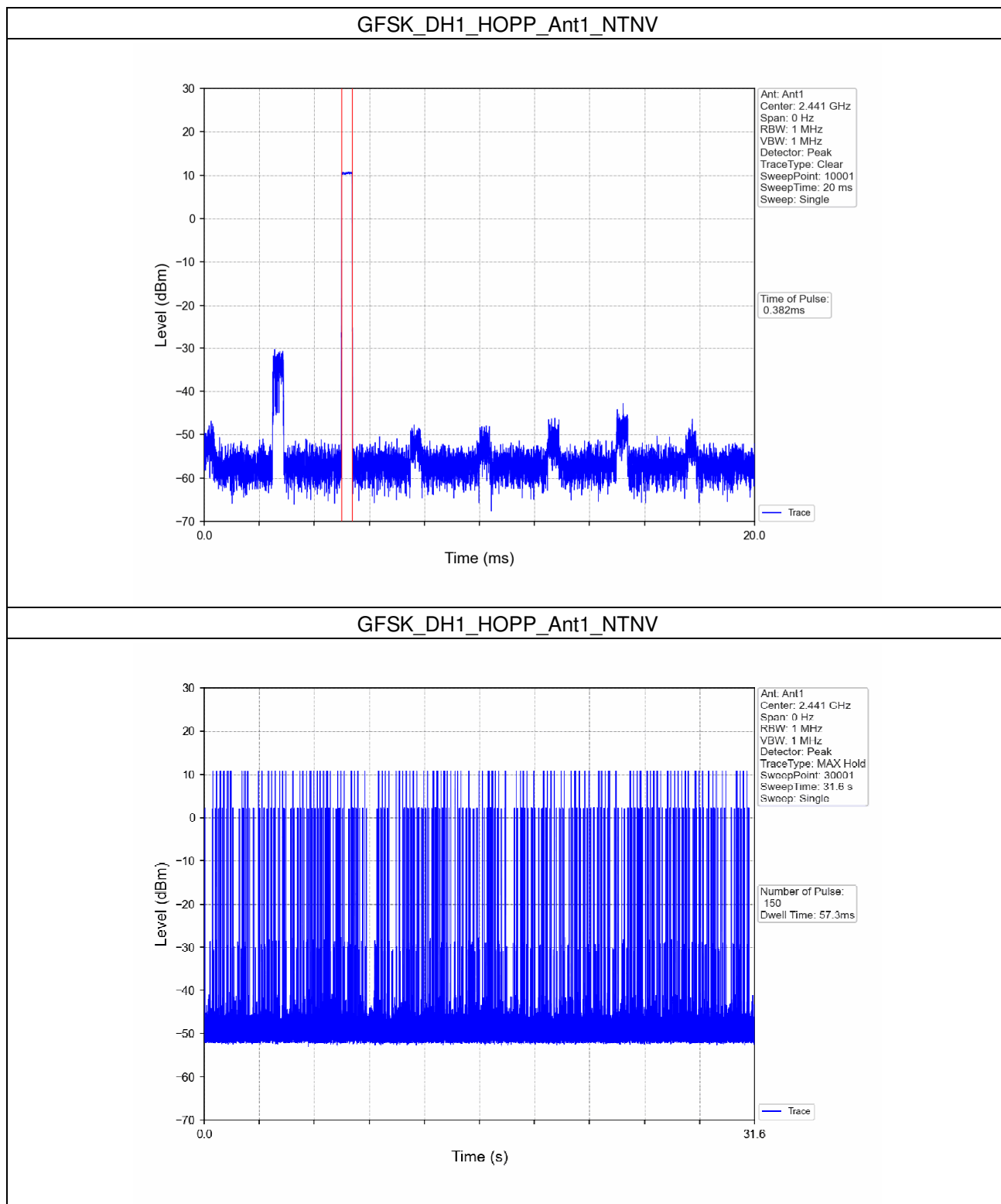
| Ant1      |         |                 |             |                               |                        |                                    |                 |            |         |
|-----------|---------|-----------------|-------------|-------------------------------|------------------------|------------------------------------|-----------------|------------|---------|
| 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                 | 150                                | 57.300          | <=400      | Pass    |
|           |         |                 | DH3         | 1.638                         | 31.600                 | 111                                | 181.818         | <=400      | Pass    |
|           |         |                 | DH5         | 2.888                         | 31.600                 | 75                                 | 216.600         | <=400      | Pass    |
| Pi/4DQPSK | SISO    | HOPP            | 2DH1        | 0.394                         | 31.600                 | 152                                | 59.888          | <=400      | Pass    |
|           |         |                 | 2DH3        | 1.646                         | 31.600                 | 109                                | 179.414         | <=400      | Pass    |
|           |         |                 | 2DH5        | 2.894                         | 31.600                 | 66                                 | 191.004         | <=400      | Pass    |
| 8DPSK     | SISO    | HOPP            | 3DH1        | 0.394                         | 31.600                 | 169                                | 66.586          | <=400      | Pass    |
|           |         |                 | 3DH3        | 1.644                         | 31.600                 | 106                                | 174.264         | <=400      | Pass    |
|           |         |                 | 3DH5        | 2.894                         | 31.600                 | 80                                 | 231.520         | <=400      | Pass    |



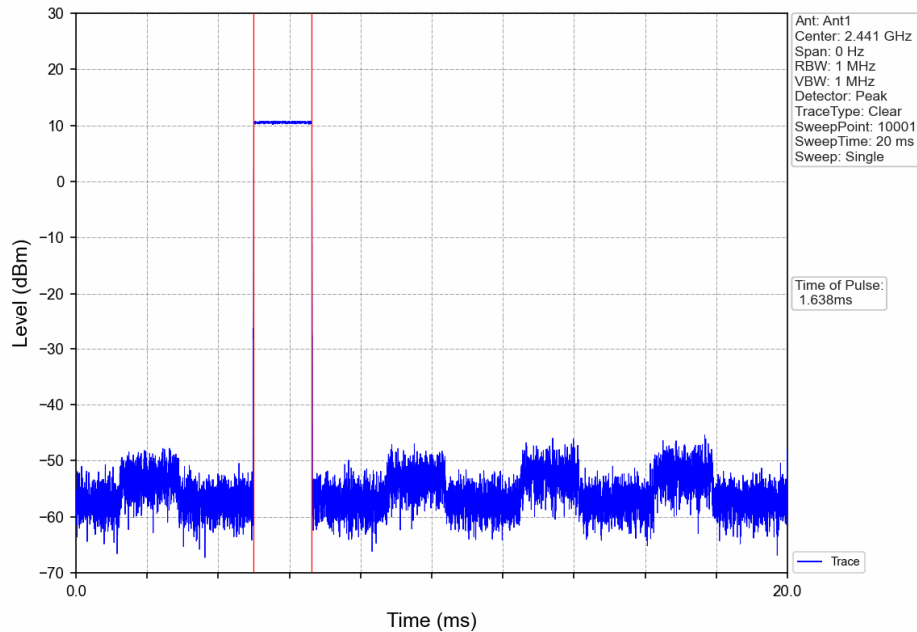
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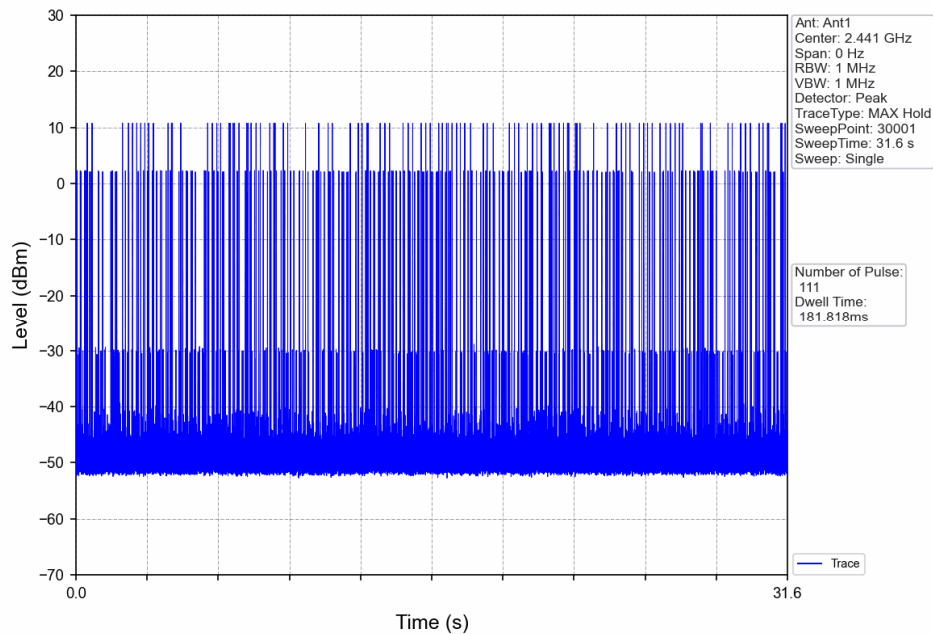
## 5.1.2 Test Graph



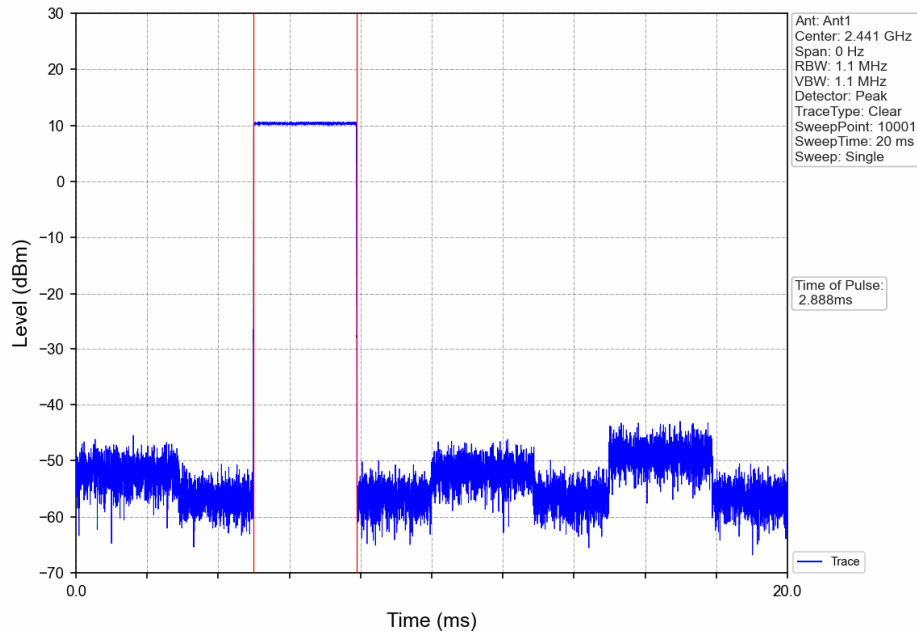
GFSK\_DH3\_HOPP\_Ant1\_NTNV



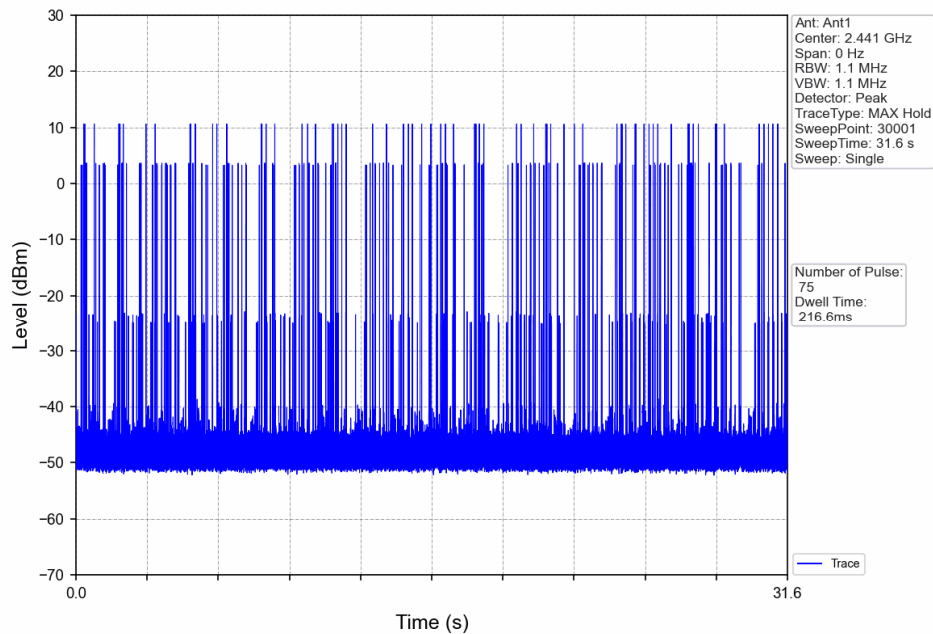
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GFSK\_DH5\_HOPP\_Ant1\_NTNV

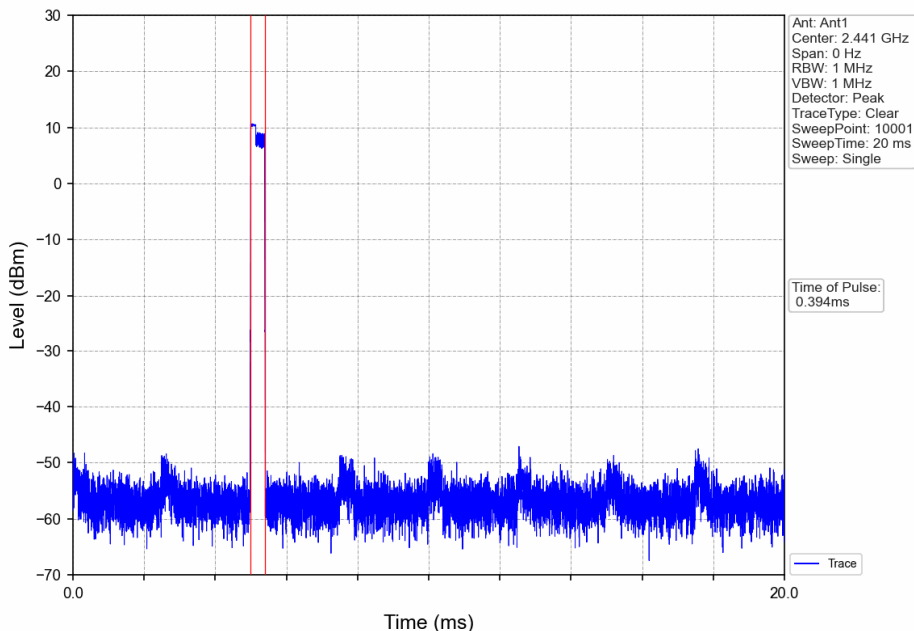


GFSK\_DH5\_HOPP\_Ant1\_NTNV

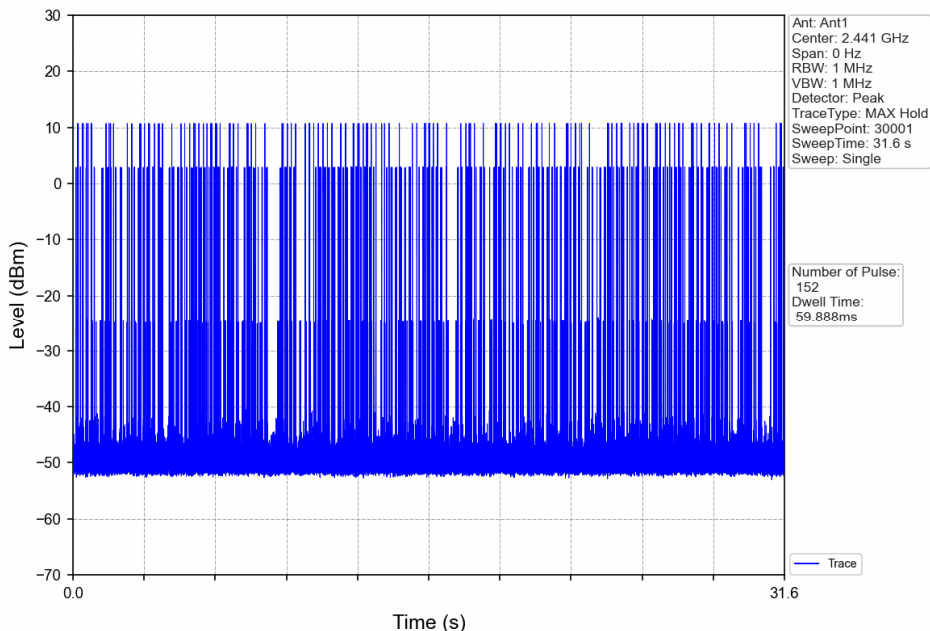


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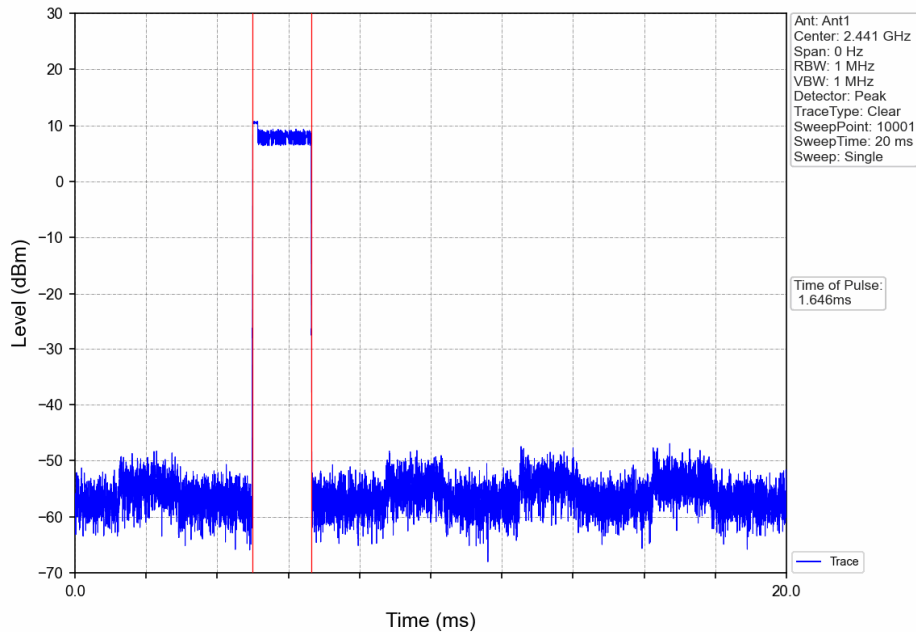
Pi/4DQPSK\_2DH1\_HOPP\_Ant1\_NTNV



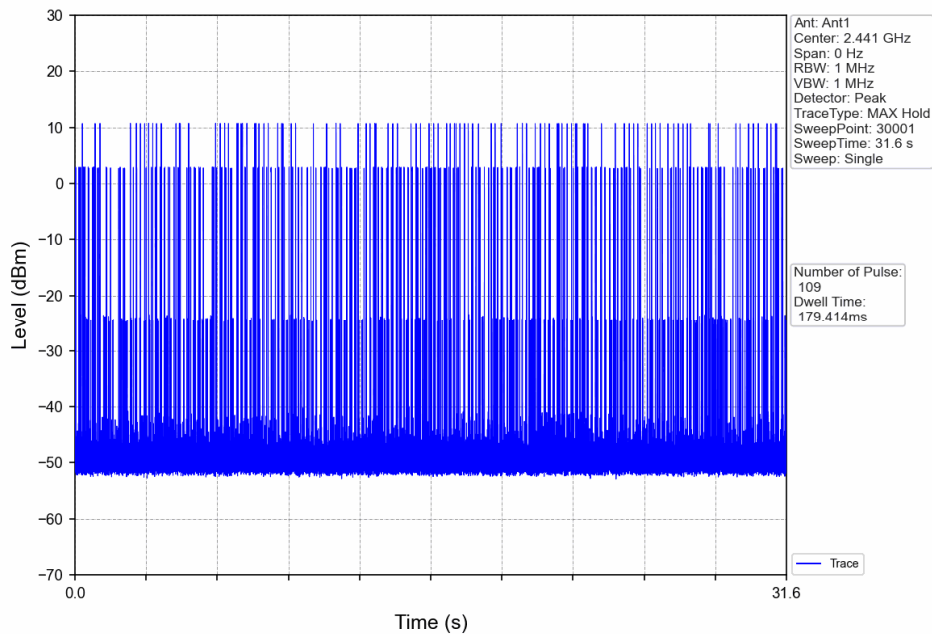
Pi/4DQPSK\_2DH1\_HOPP\_Ant1\_NTNV



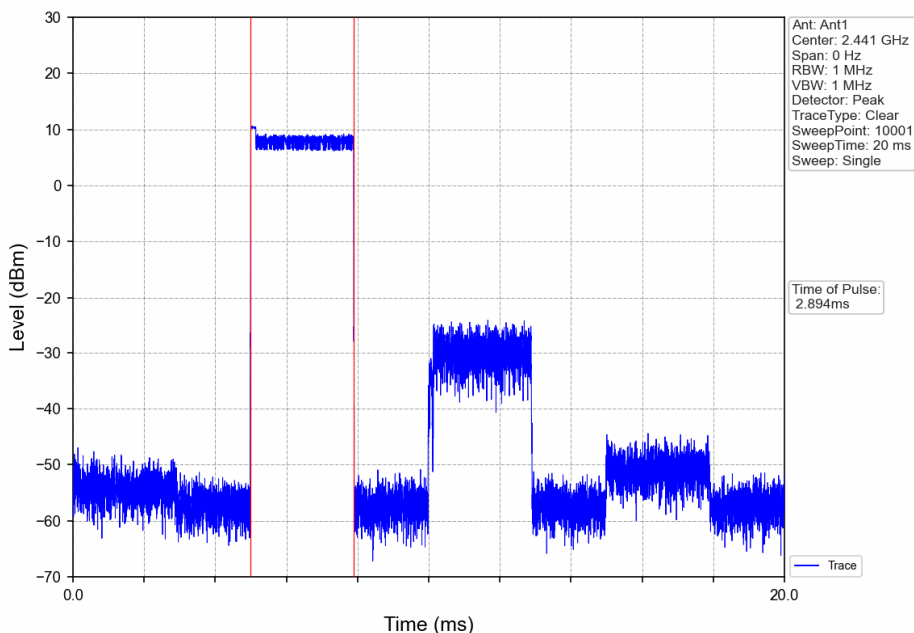
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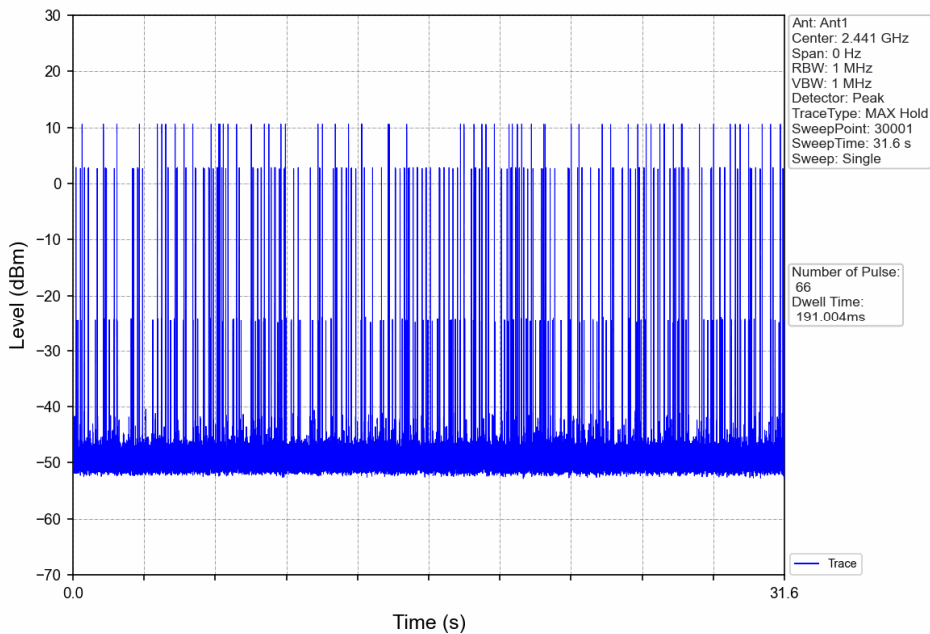
### Pi/4DQPSK\_2DH3\_HOPP\_Ant1\_NTNV



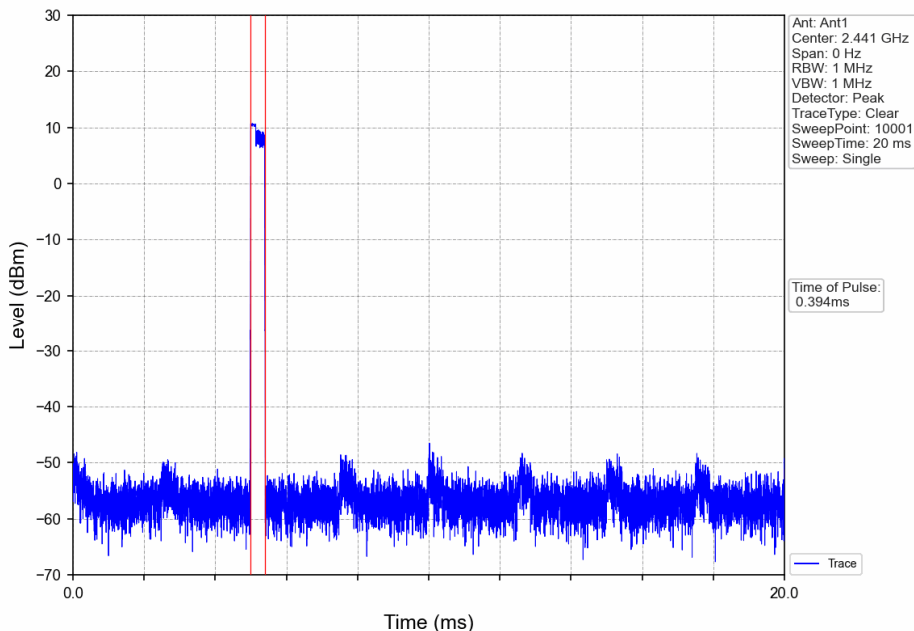
Pi/4DQPSK\_2DH5\_HOPP\_Ant1\_NTNV



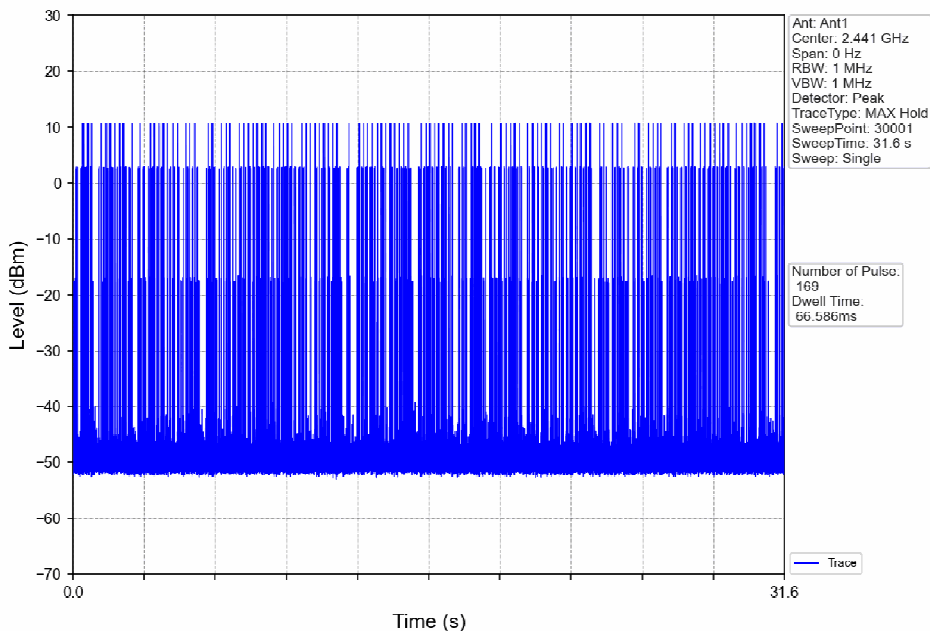
Pi/4DQPSK\_2DH5\_HOPP\_Ant1\_NTNV



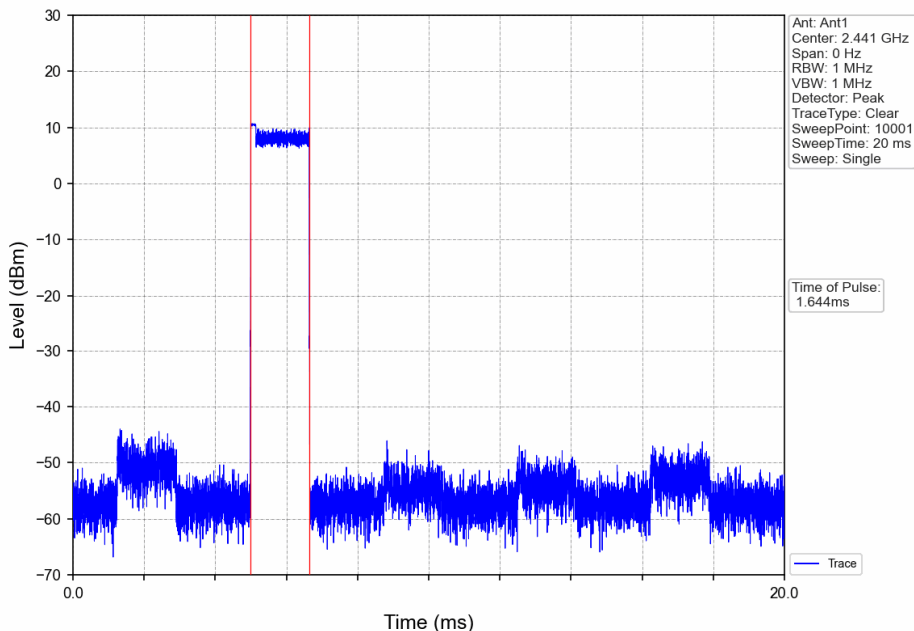
### 8DPSK\_3DH1\_HOPP\_Ant1\_NTNV



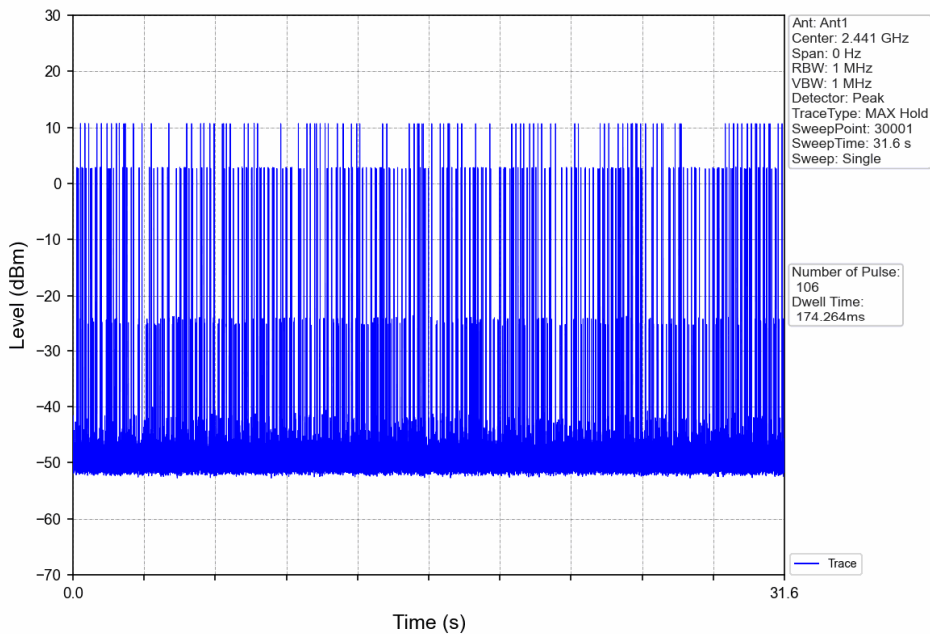
### 8DPSK\_3DH1\_HOPP\_Ant1\_NTNV



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



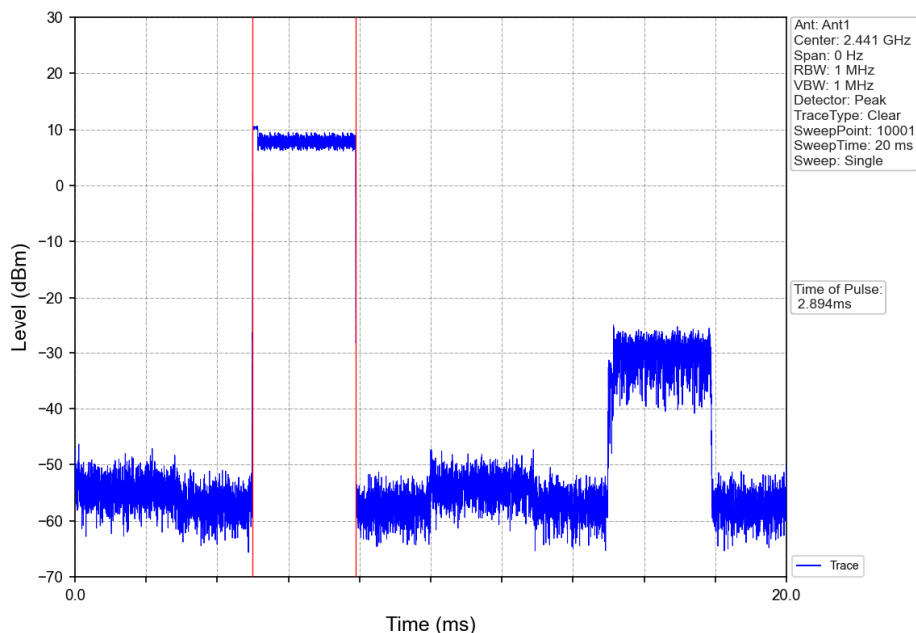
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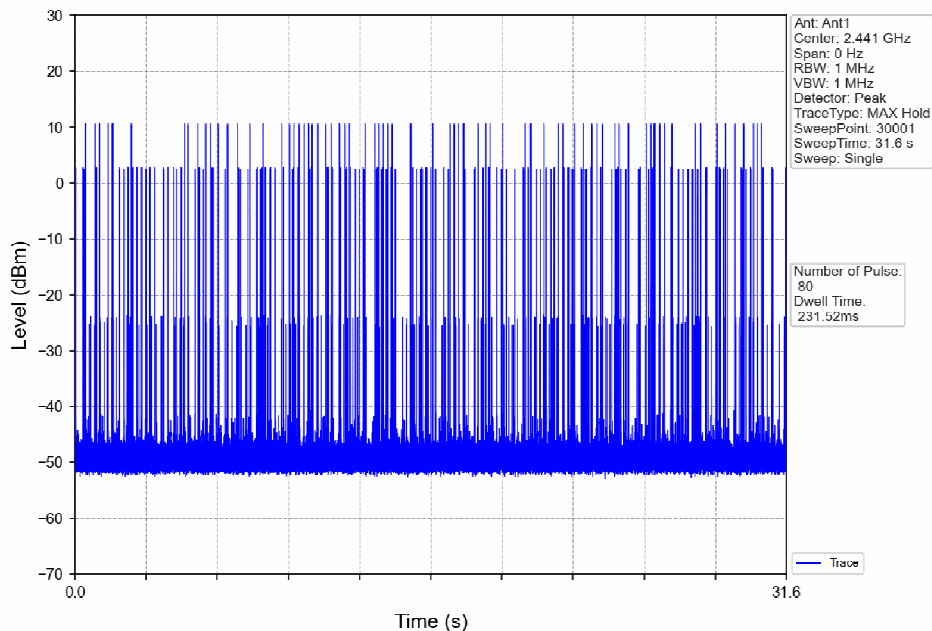
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### 8DPSK\_3DH5\_HOPP\_Ant1\_NTNV



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



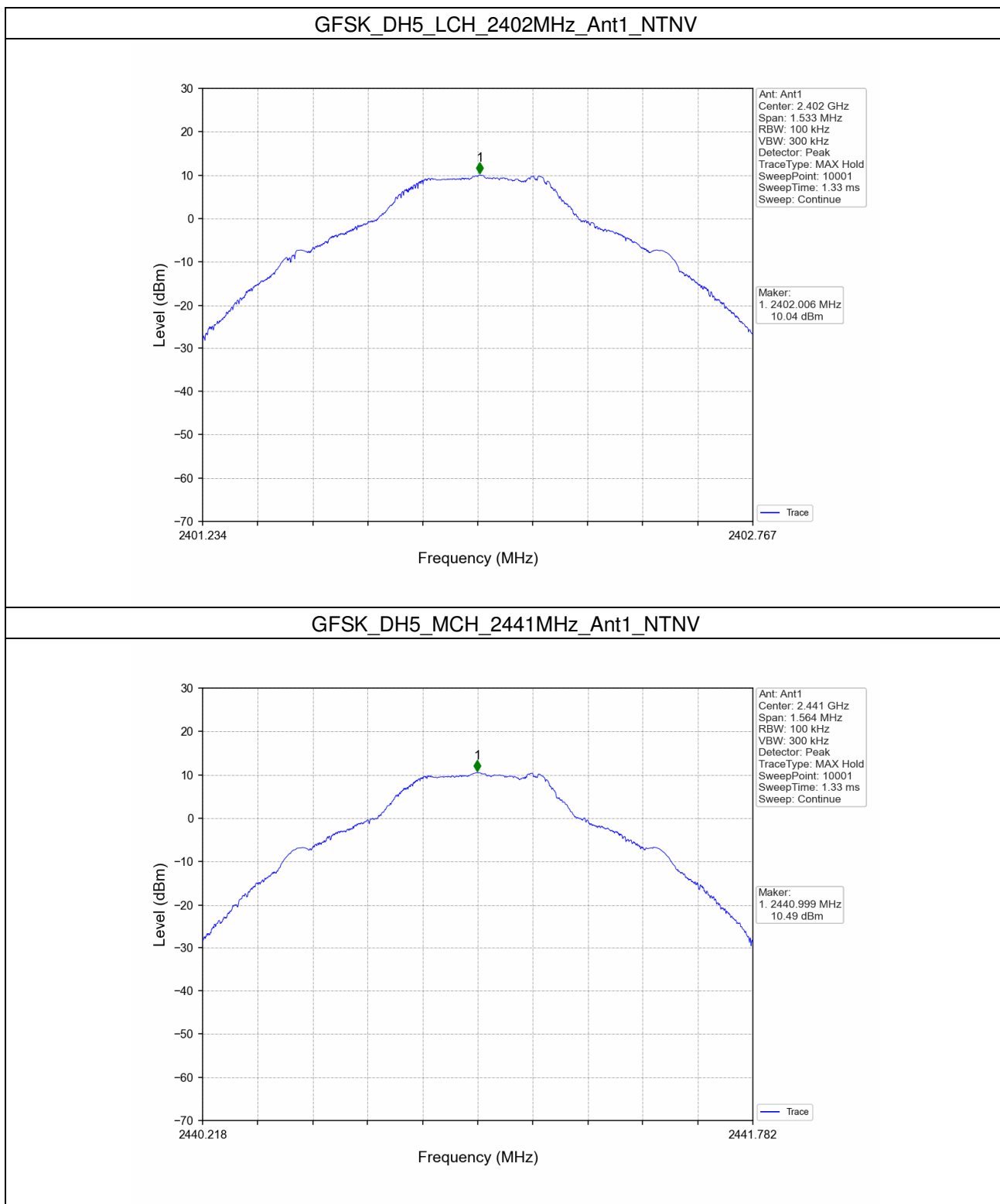
## 6. Unwanted Emissions In Non-restricted Frequency Bands

## 6.1 Ref

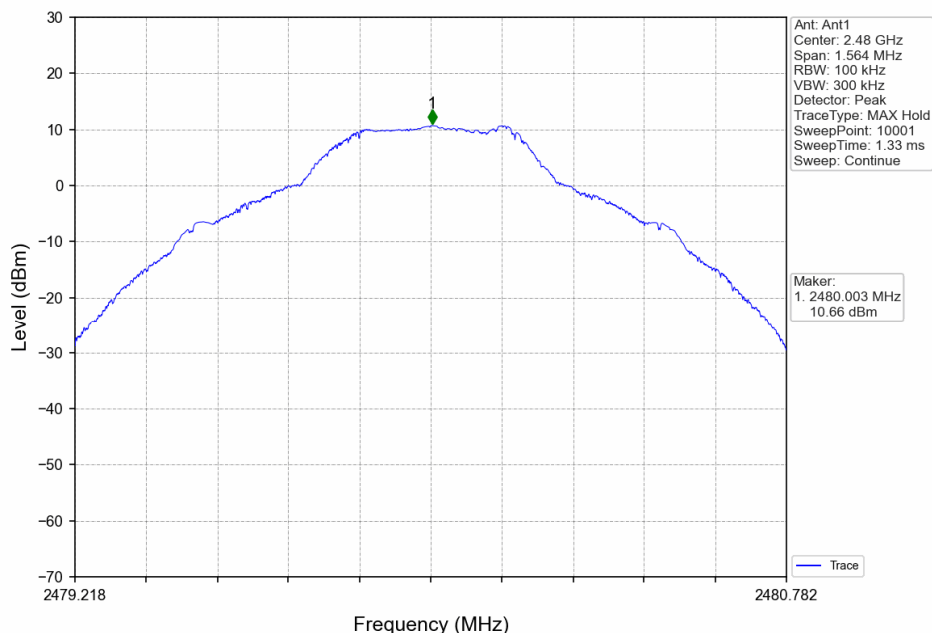
## 6.1.1 Test Result

| Mode      | TX Type | Frequency (MHz) | Packet Type | Ant | Level of Reference (dBm) |
|-----------|---------|-----------------|-------------|-----|--------------------------|
| GFSK      | SISO    | 2402            | DH5         | 1   | 10.04                    |
|           |         | 2441            | DH5         | 1   | 10.49                    |
|           |         | 2480            | DH5         | 1   | 10.66                    |
| Pi/4DQPSK | SISO    | 2402            | 2DH5        | 1   | 9.81                     |
|           |         | 2441            | 2DH5        | 1   | 10.43                    |
|           |         | 2480            | 2DH5        | 1   | 10.73                    |
| 8DPSK     | SISO    | 2402            | 3DH5        | 1   | 9.70                     |
|           |         | 2441            | 3DH5        | 1   | 10.49                    |
|           |         | 2480            | 3DH5        | 1   | 10.62                    |

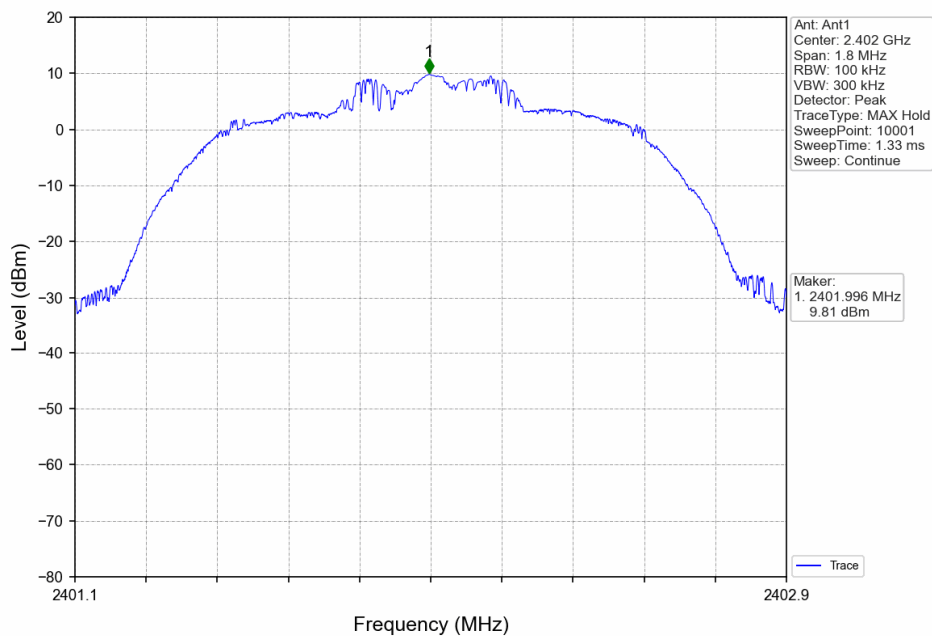
### 6.1.2 Test Graph



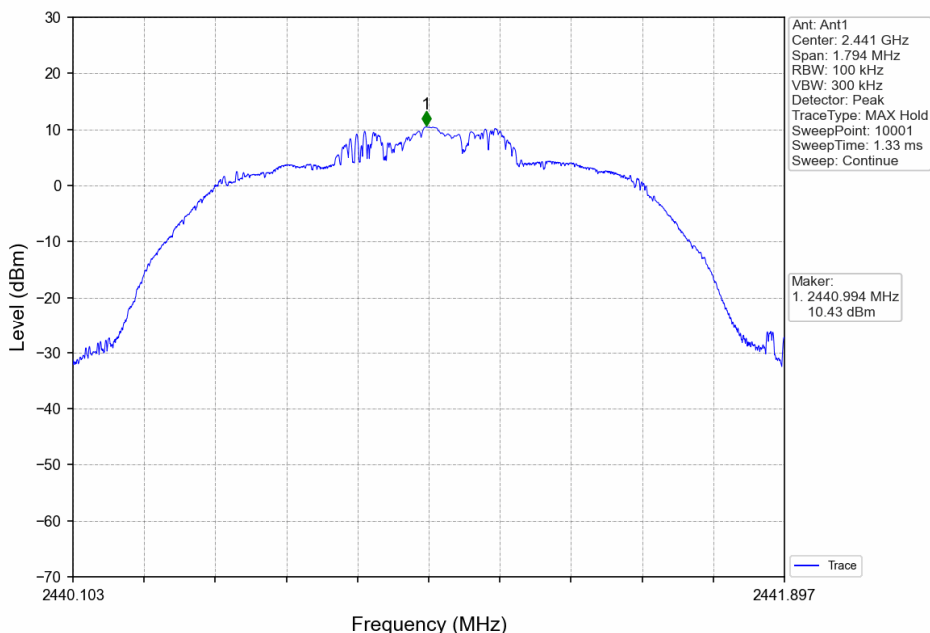
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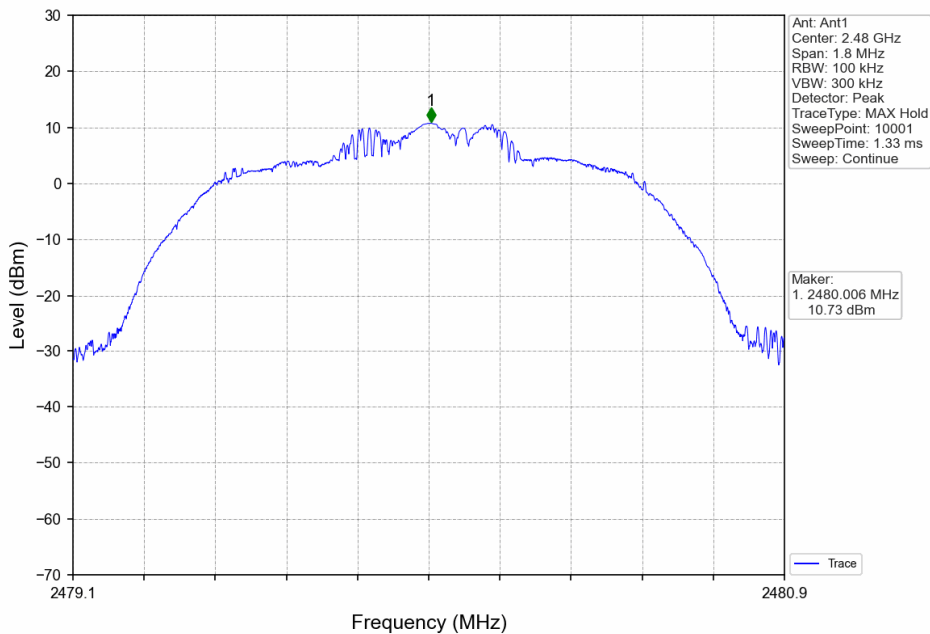
Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



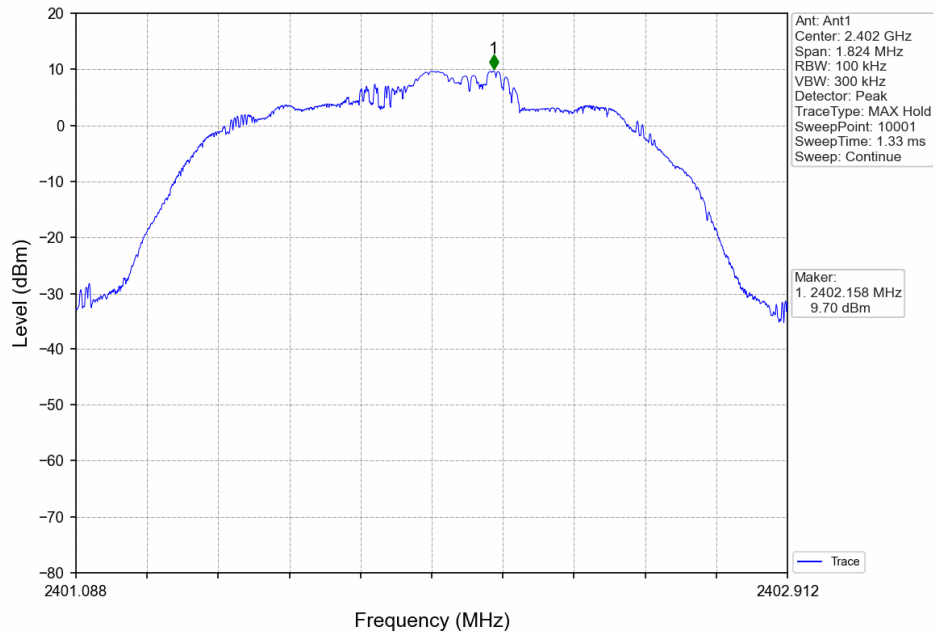
Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



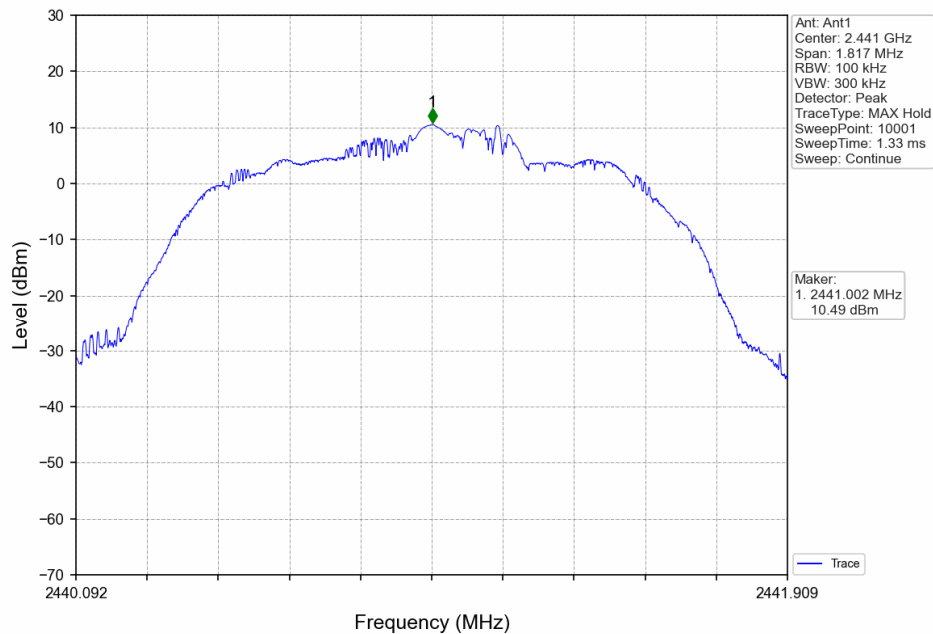
Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



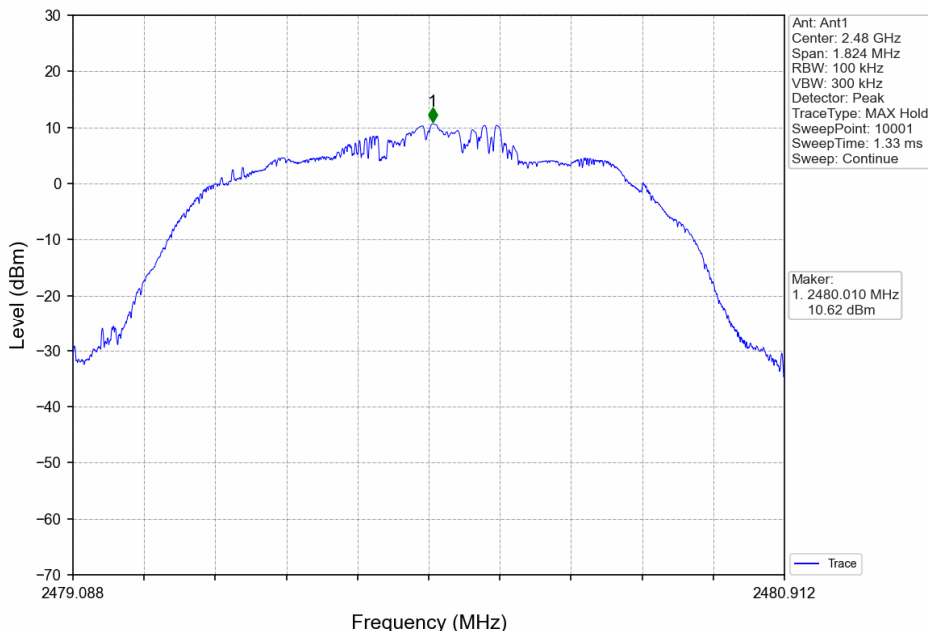
8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



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



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



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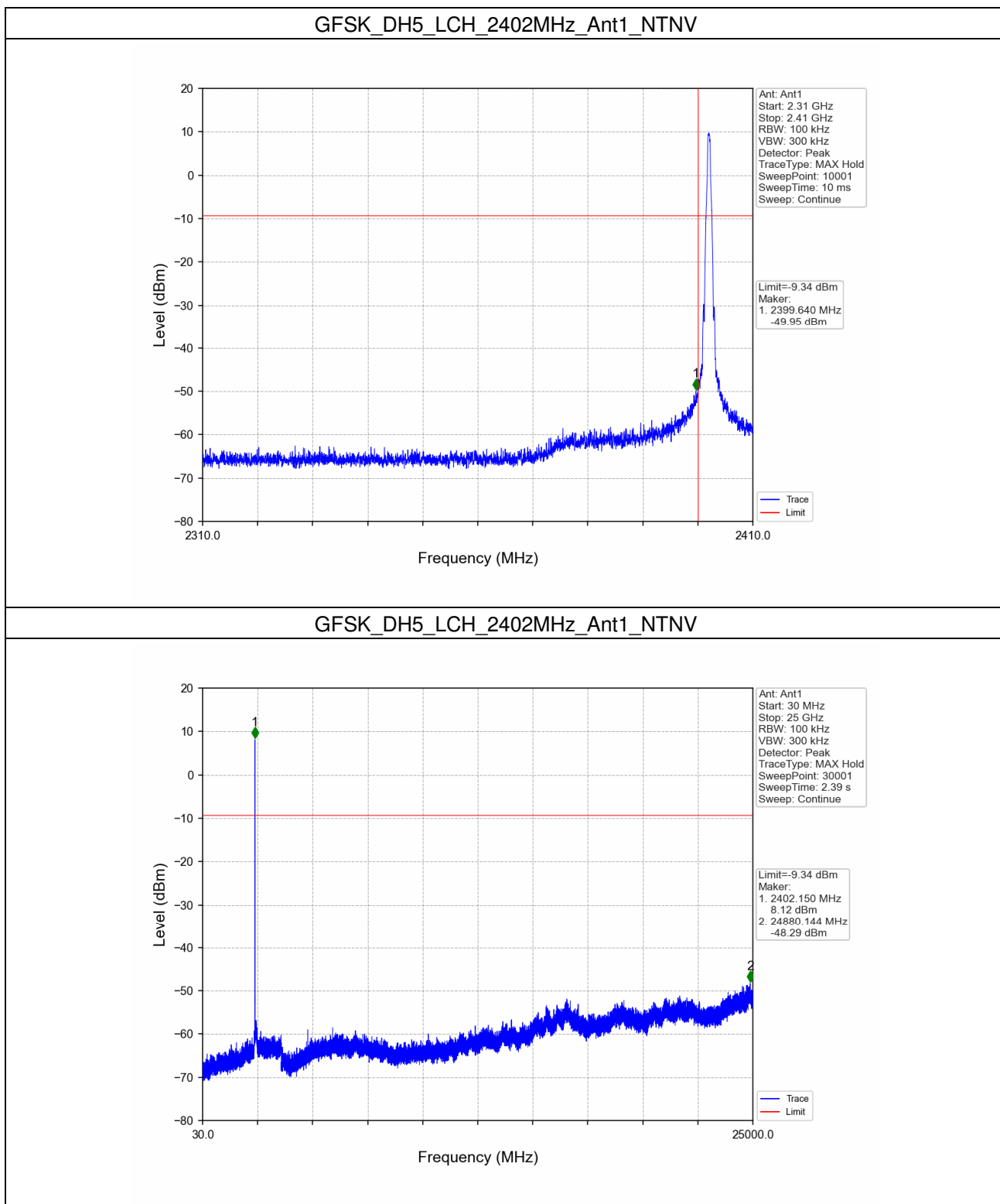
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## 6.2 CSE

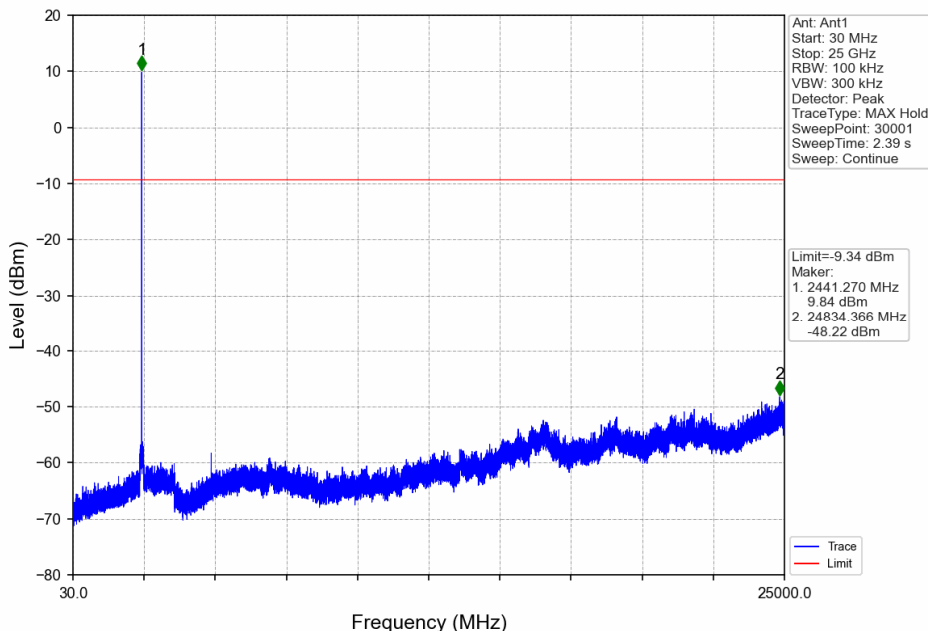
## 6.2.1 Test Result

| Mode      | TX Type | Frequency (MHz) | Packet Type | Ant | Level of Reference (dBm) | Limit (dBm) | Verdict |
|-----------|---------|-----------------|-------------|-----|--------------------------|-------------|---------|
| GFSK      | SISO    | 2402            | DH5         | 1   | 10.66                    | -9.34       | Pass    |
|           |         | 2441            | DH5         | 1   | 10.66                    | -9.34       | Pass    |
|           |         | 2480            | DH5         | 1   | 10.66                    | -9.34       | Pass    |
|           |         | HOPP            | DH5         | 1   | 10.66                    | -9.34       | Pass    |
| Pi/4DQPSK | SISO    | 2402            | 2DH5        | 1   | 10.73                    | -9.27       | Pass    |
|           |         | 2441            | 2DH5        | 1   | 10.73                    | -9.27       | Pass    |
|           |         | 2480            | 2DH5        | 1   | 10.73                    | -9.27       | Pass    |
|           |         | HOPP            | 2DH5        | 1   | 10.73                    | -9.27       | Pass    |
| 8DPSK     | SISO    | 2402            | 3DH5        | 1   | 10.62                    | -9.38       | Pass    |
|           |         | 2441            | 3DH5        | 1   | 10.62                    | -9.38       | Pass    |
|           |         | 2480            | 3DH5        | 1   | 10.62                    | -9.38       | Pass    |
|           |         | HOPP            | 3DH5        | 1   | 10.62                    | -9.38       | Pass    |

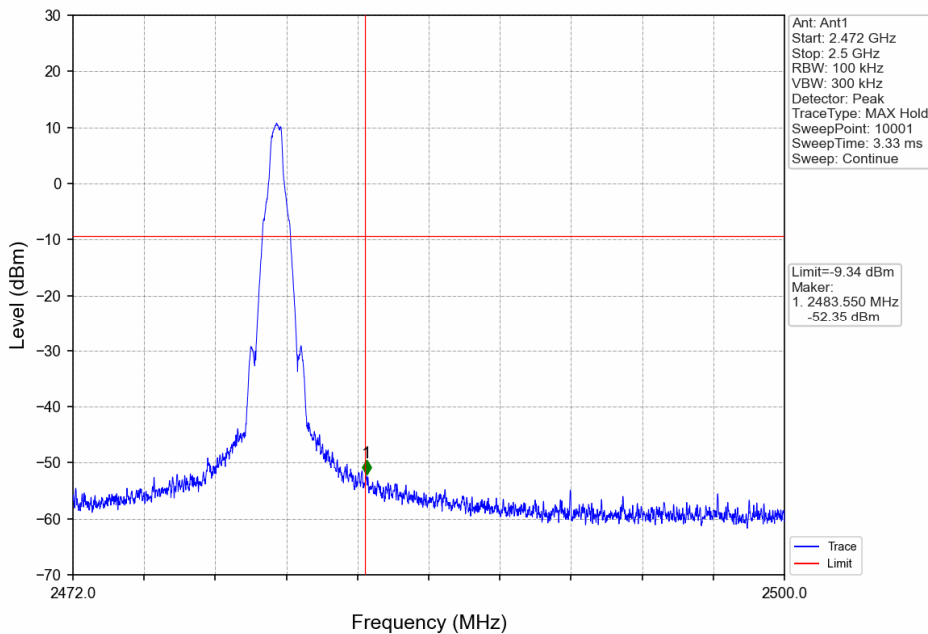
### 6.2.2 Test Graph



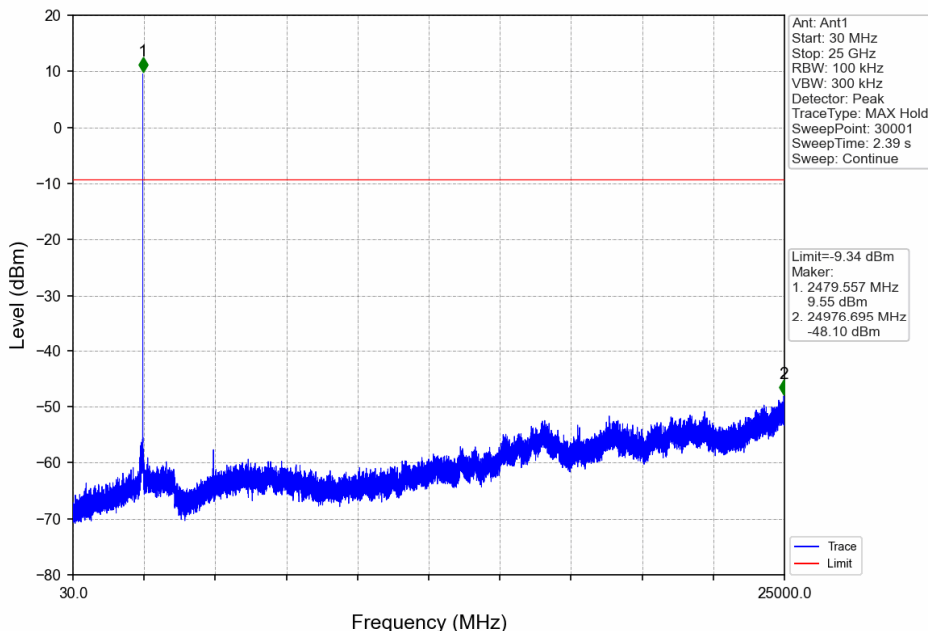
### GFSK\_DH5\_MCH\_2441MHz\_Ant1\_NTNV



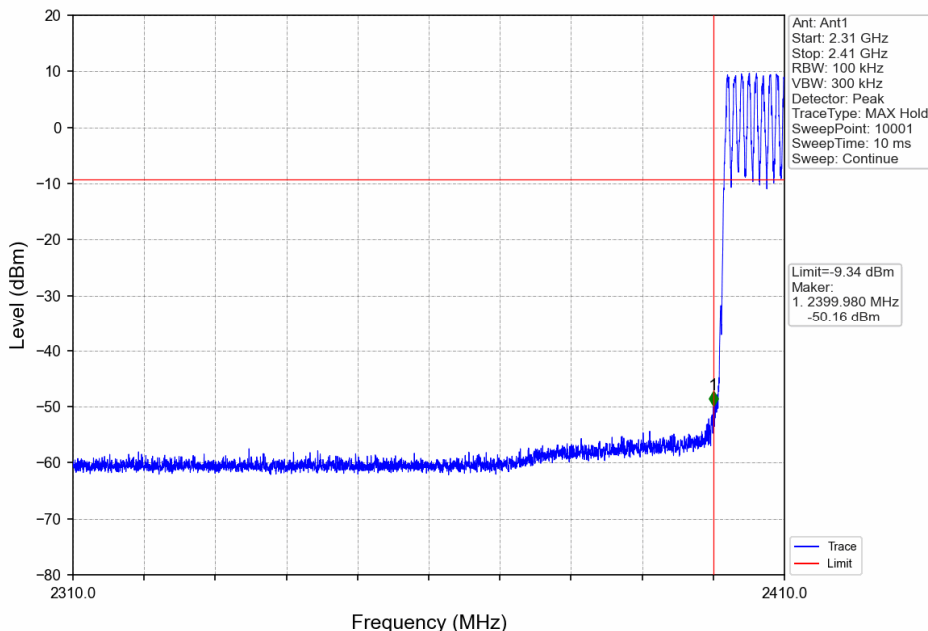
### GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



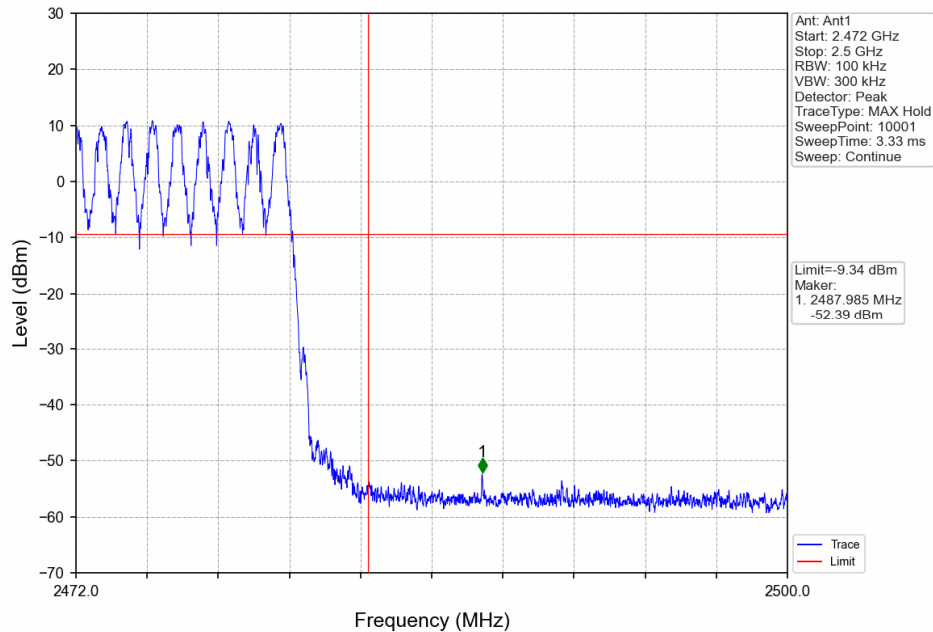
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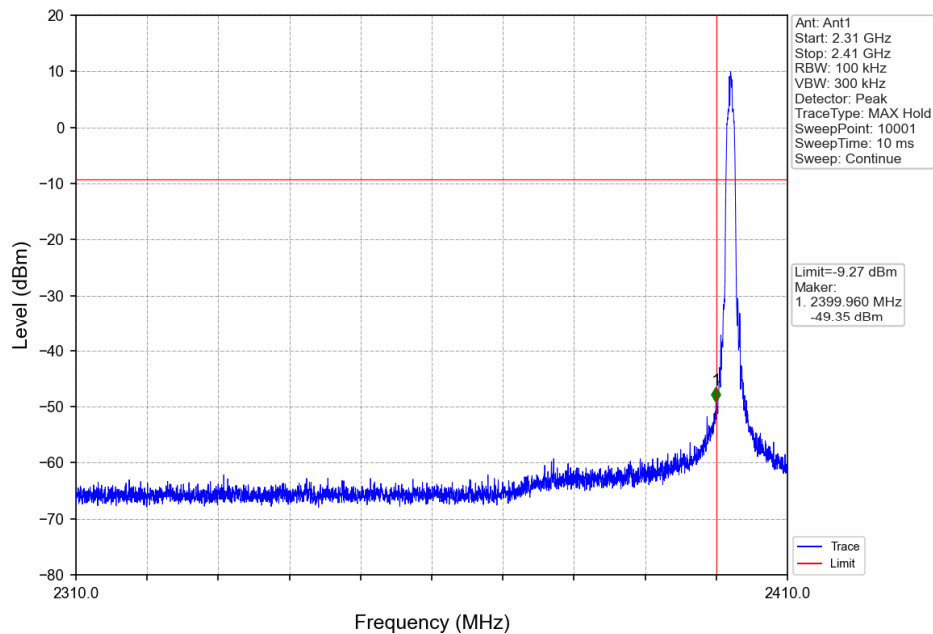
### GFSK\_DH5\_HOPP\_Ant1\_NTNV



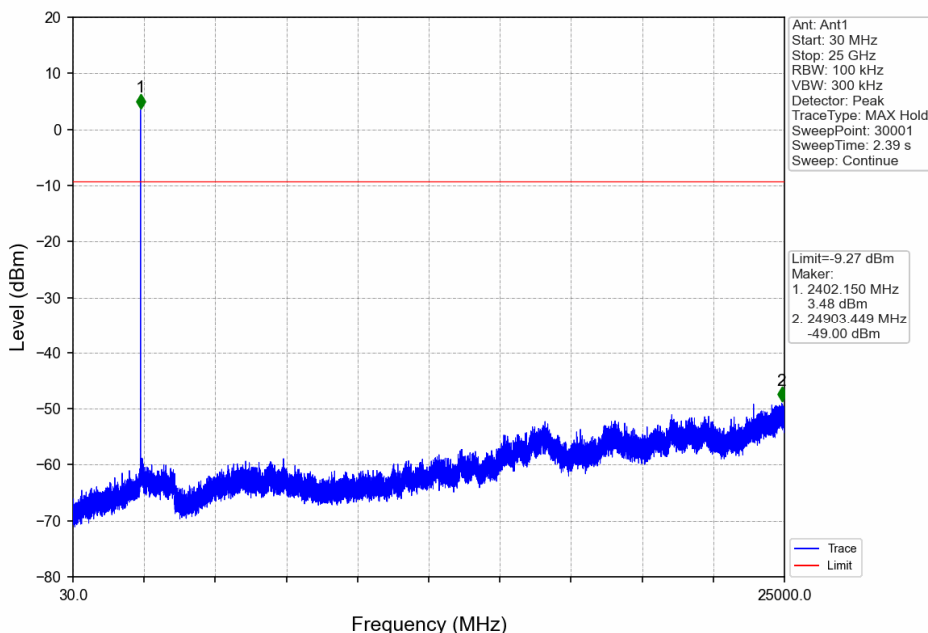
### GFSK\_DH5\_HOPP\_Ant1\_NTNV



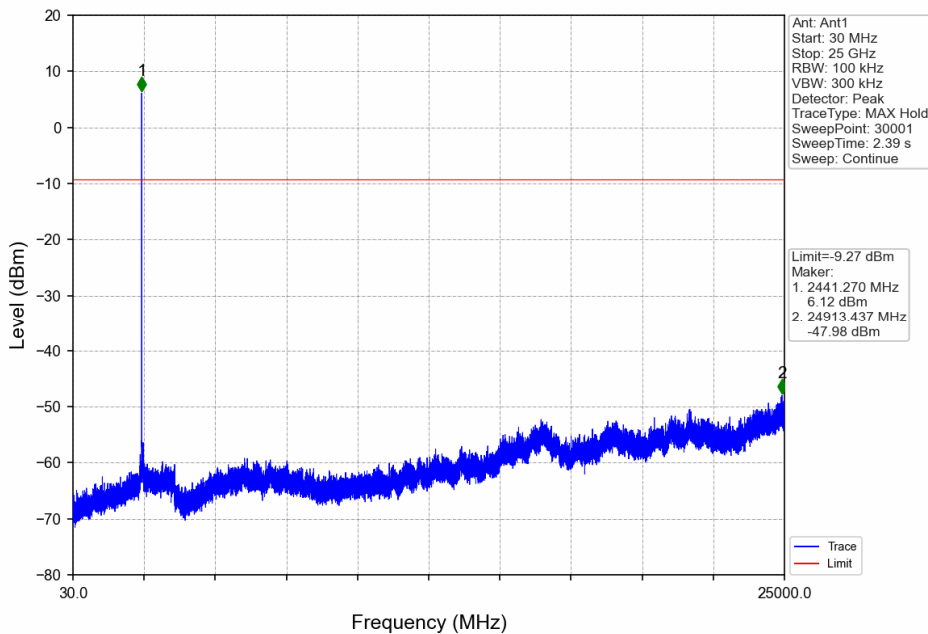
### Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV



Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV

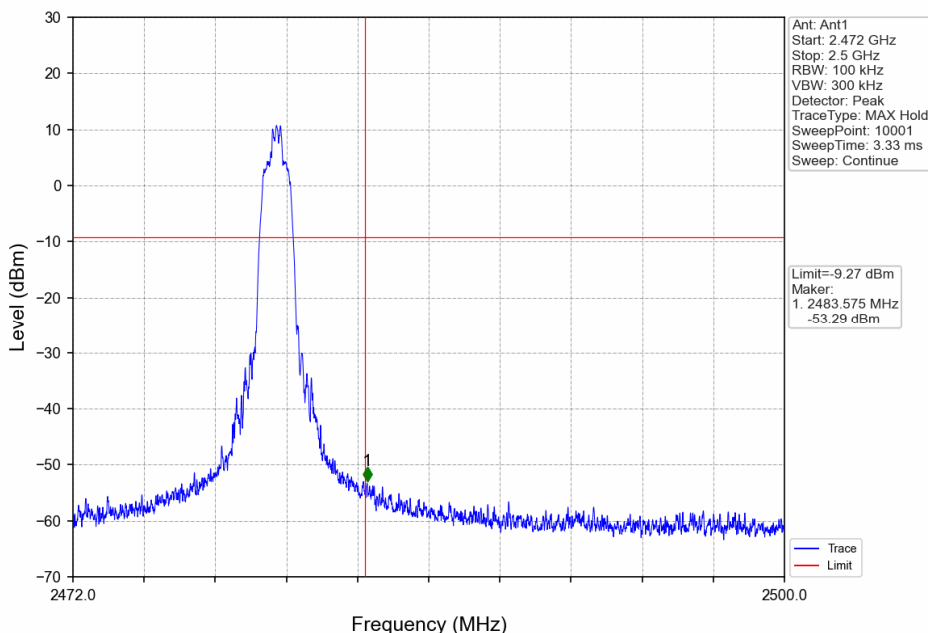


Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV

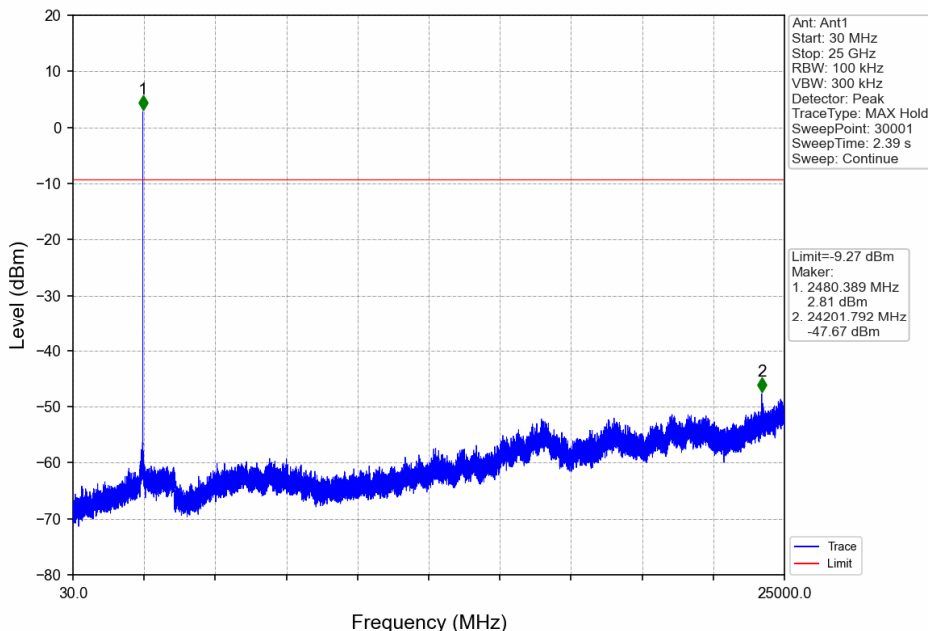


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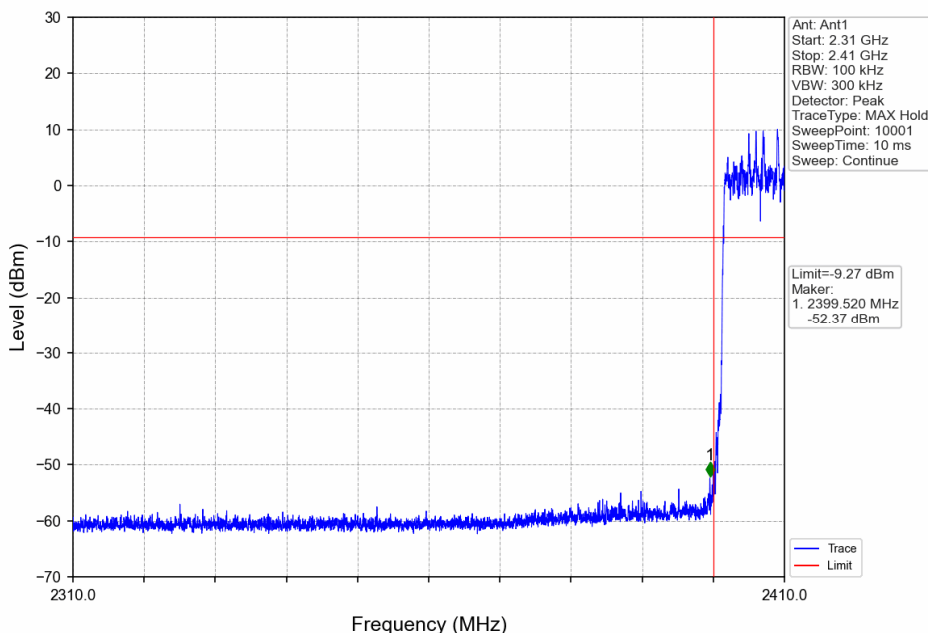
Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV



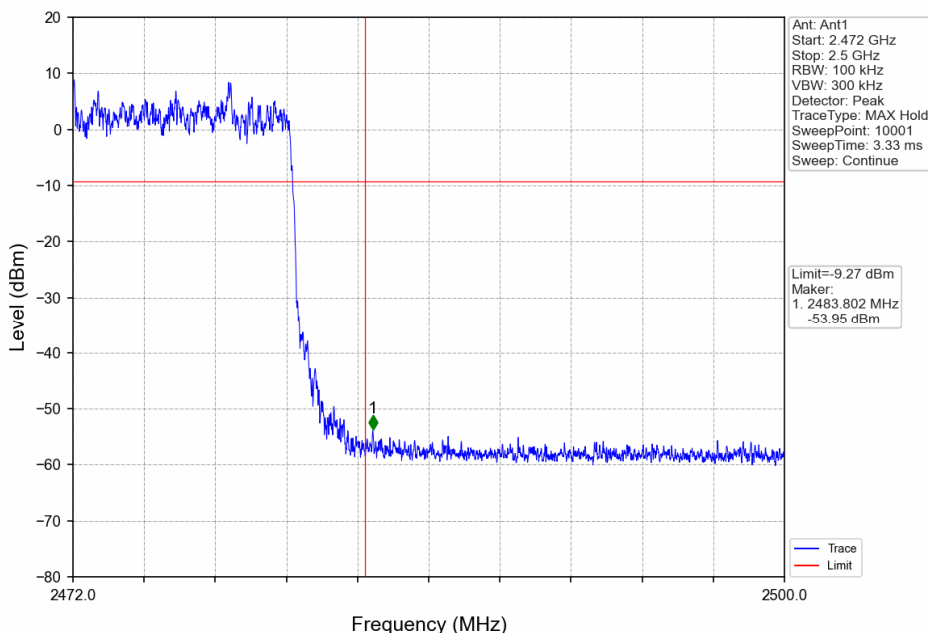
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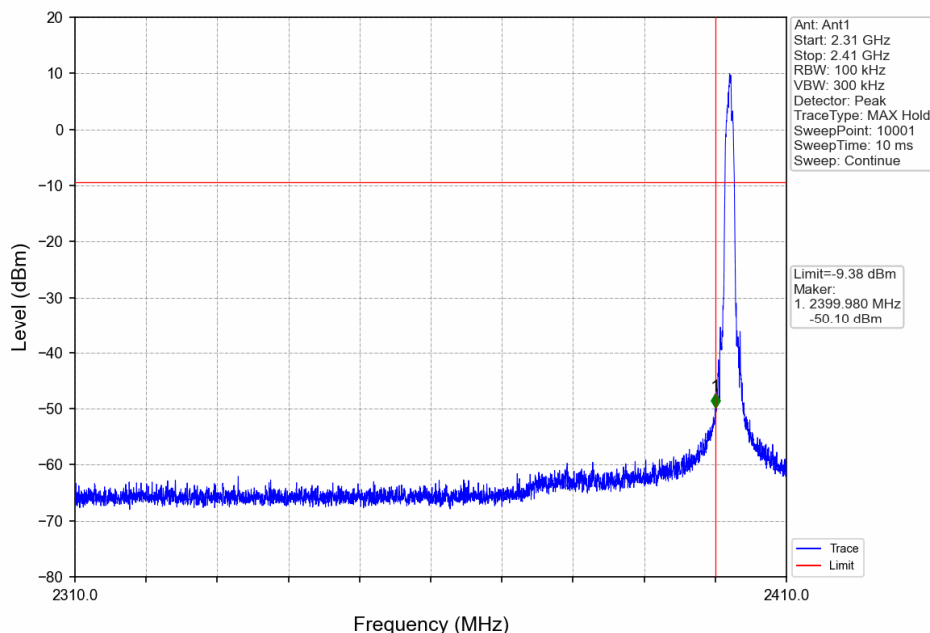
Pi/4DQPSK\_2DH5\_HOPP\_Ant1\_NTNV



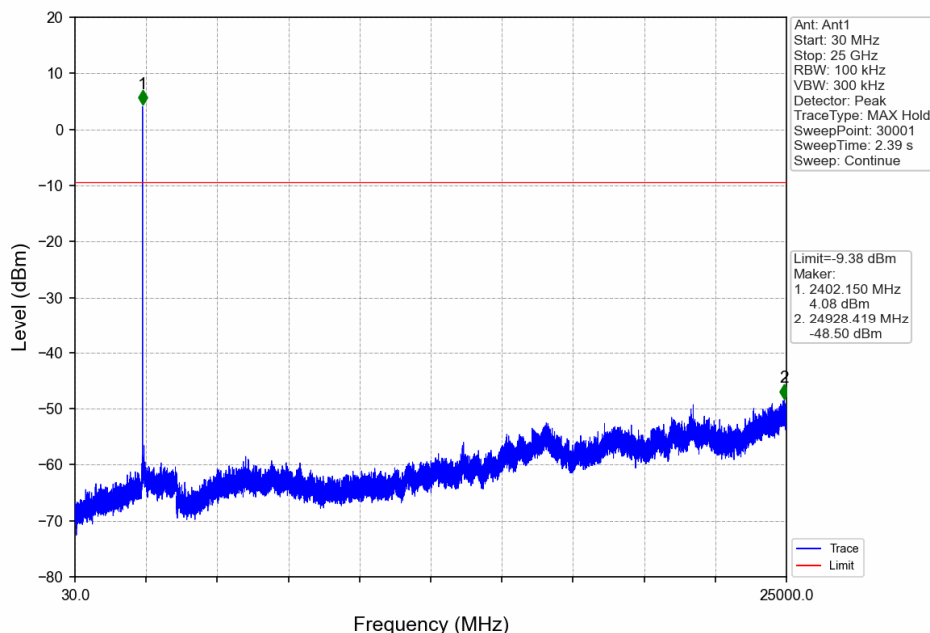
Pi/4DQPSK\_2DH5\_HOPP\_Ant1\_NTNV



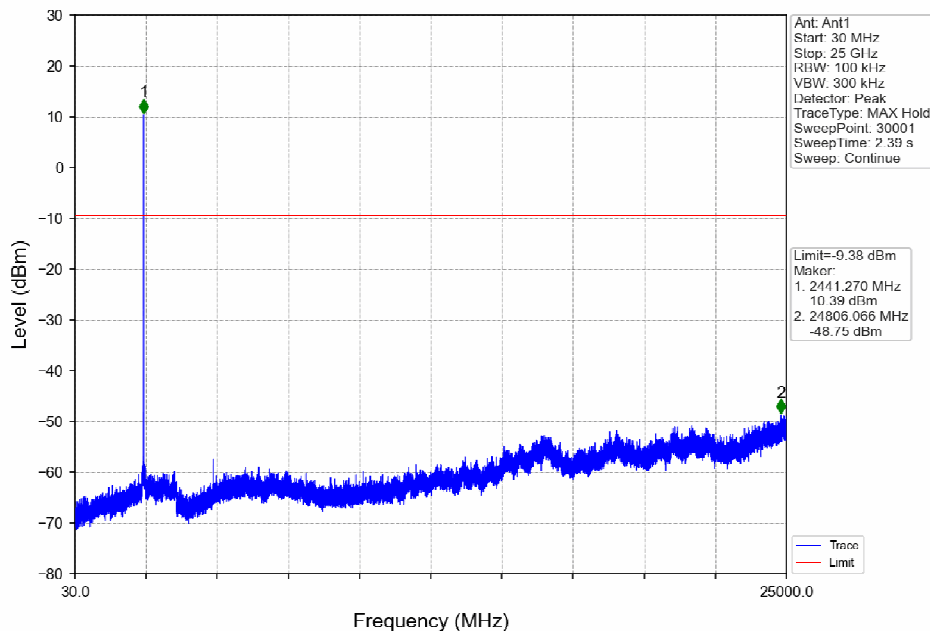
8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



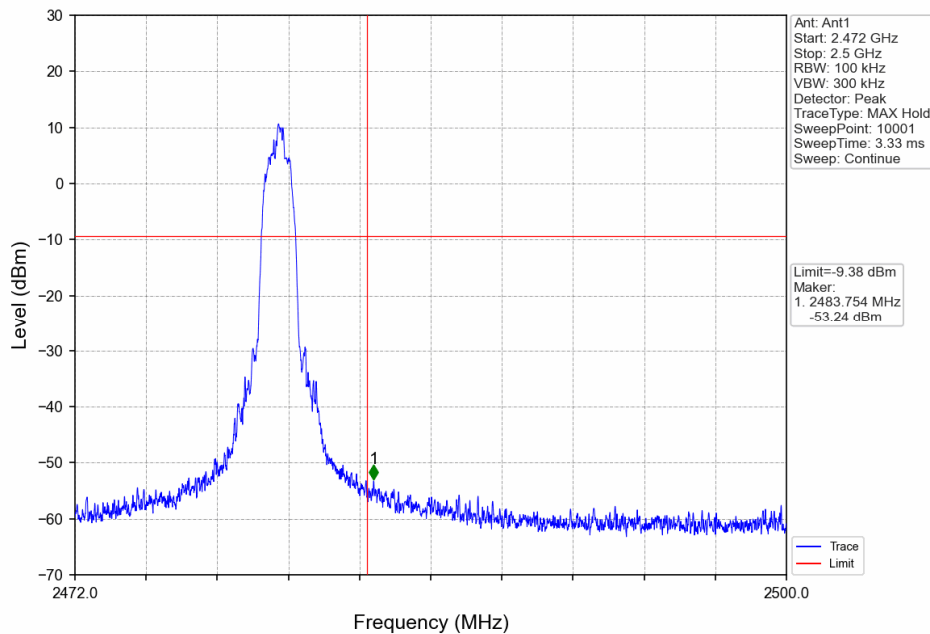
8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



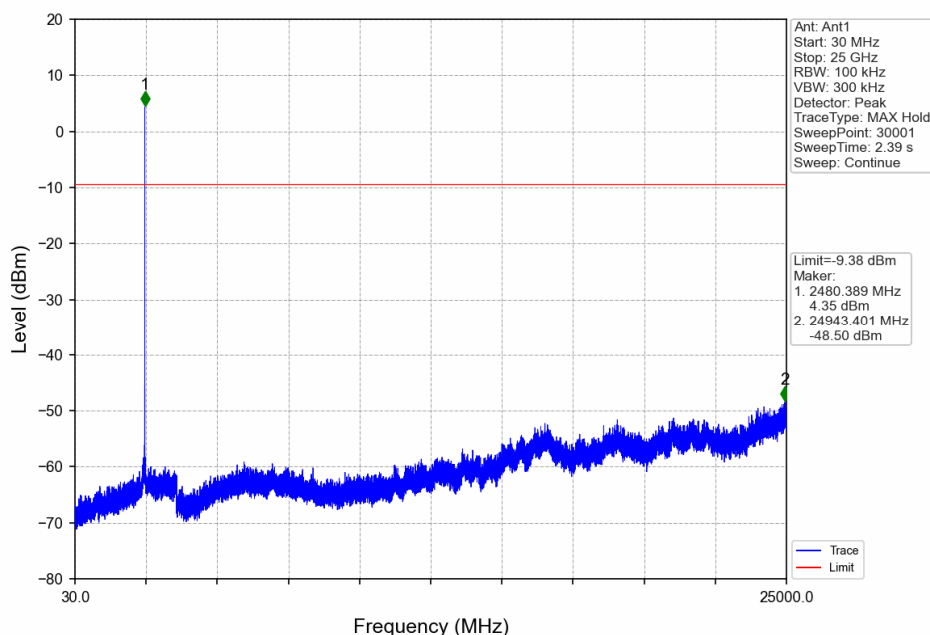
### 8DPSK\_3DH5\_MCH\_2441MHz\_Ant1\_NTNV



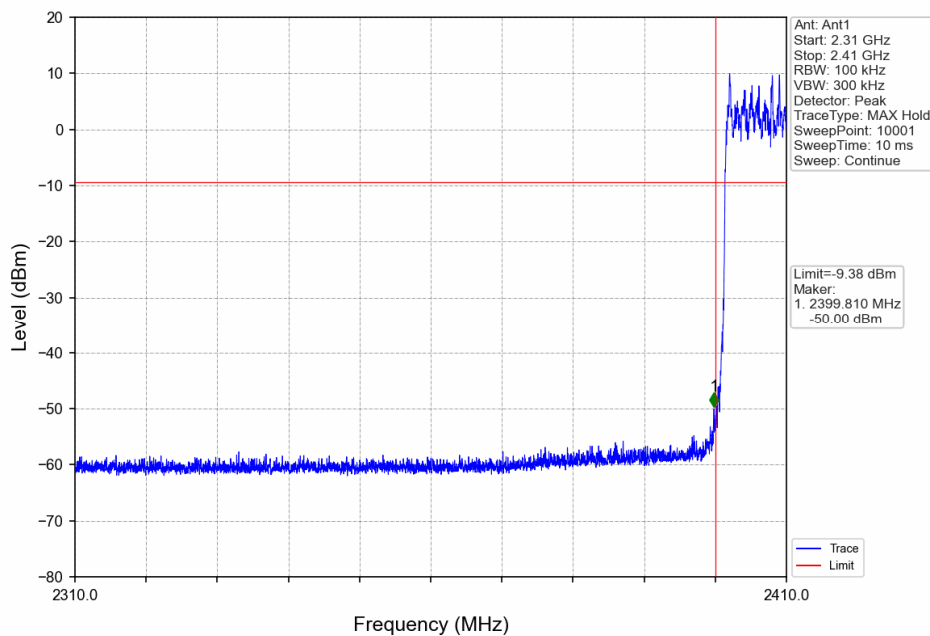
### 8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



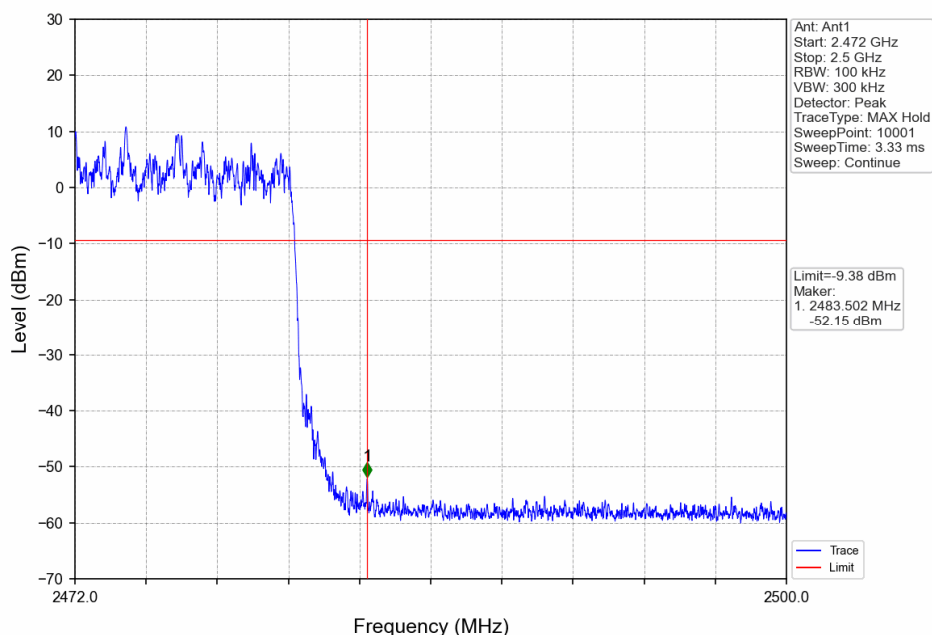
## 8DPSK\_3DH5\_HCH\_2480MHz\_Ant1\_NTNV



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



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



- End of the Report -