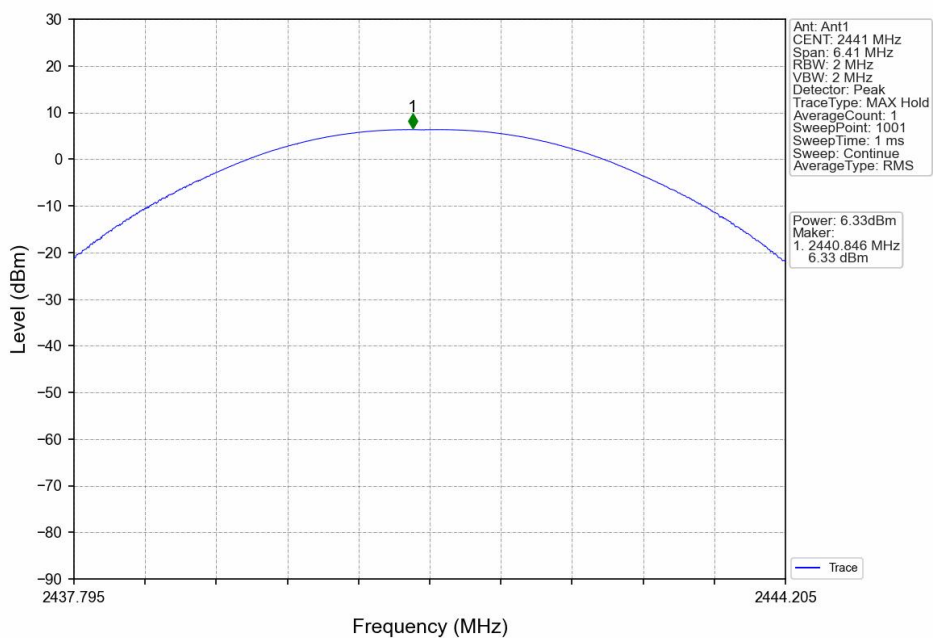
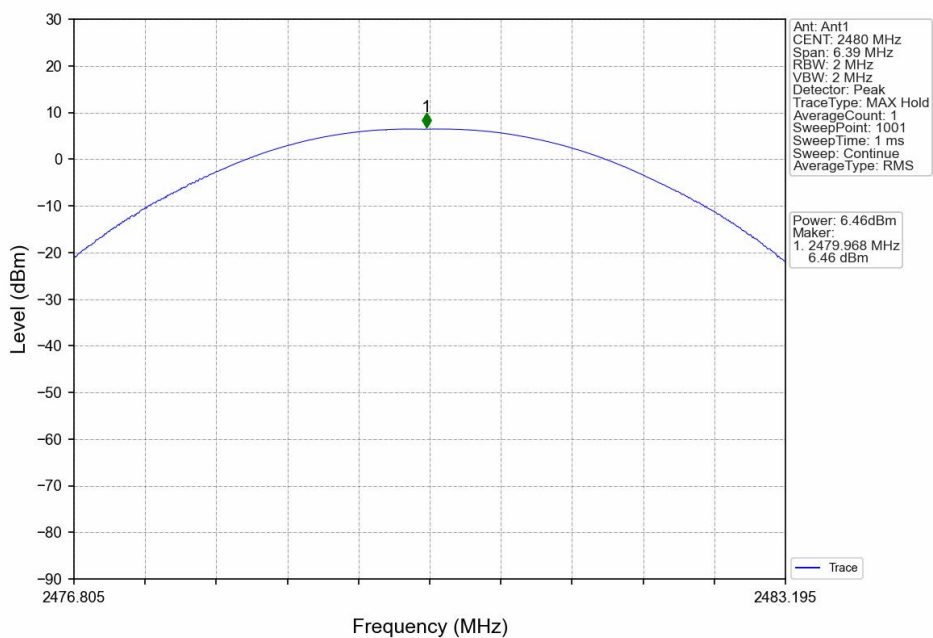


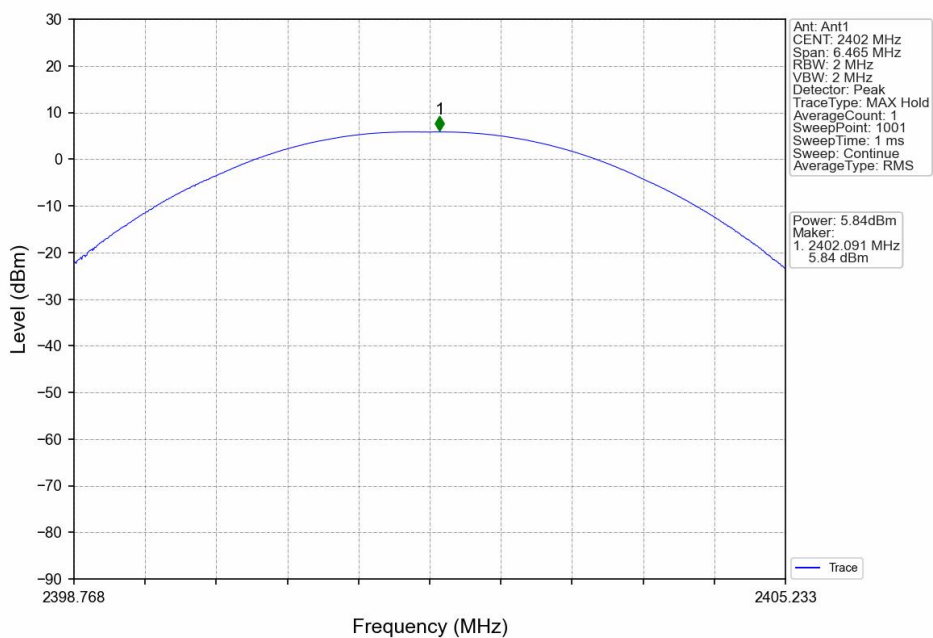
Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



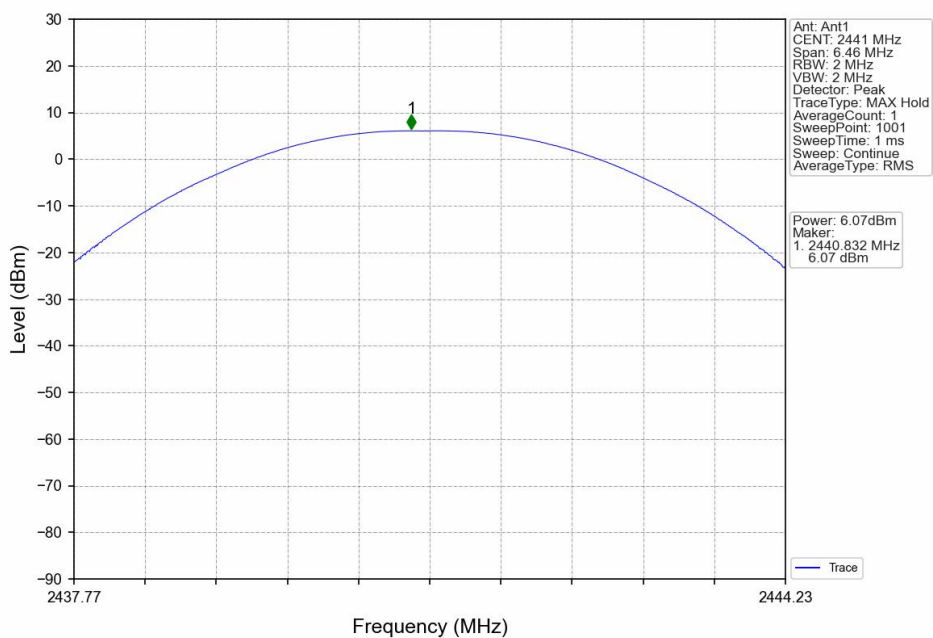
Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV

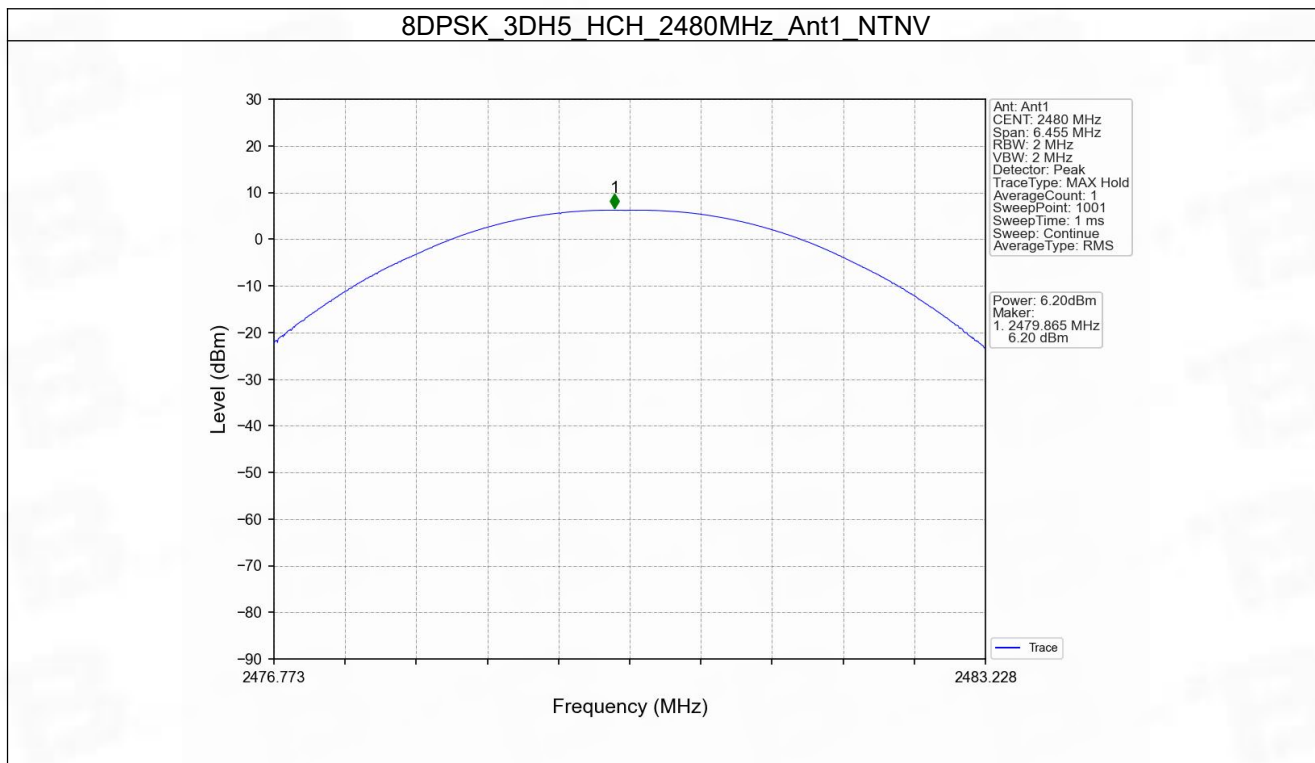


## 8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



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





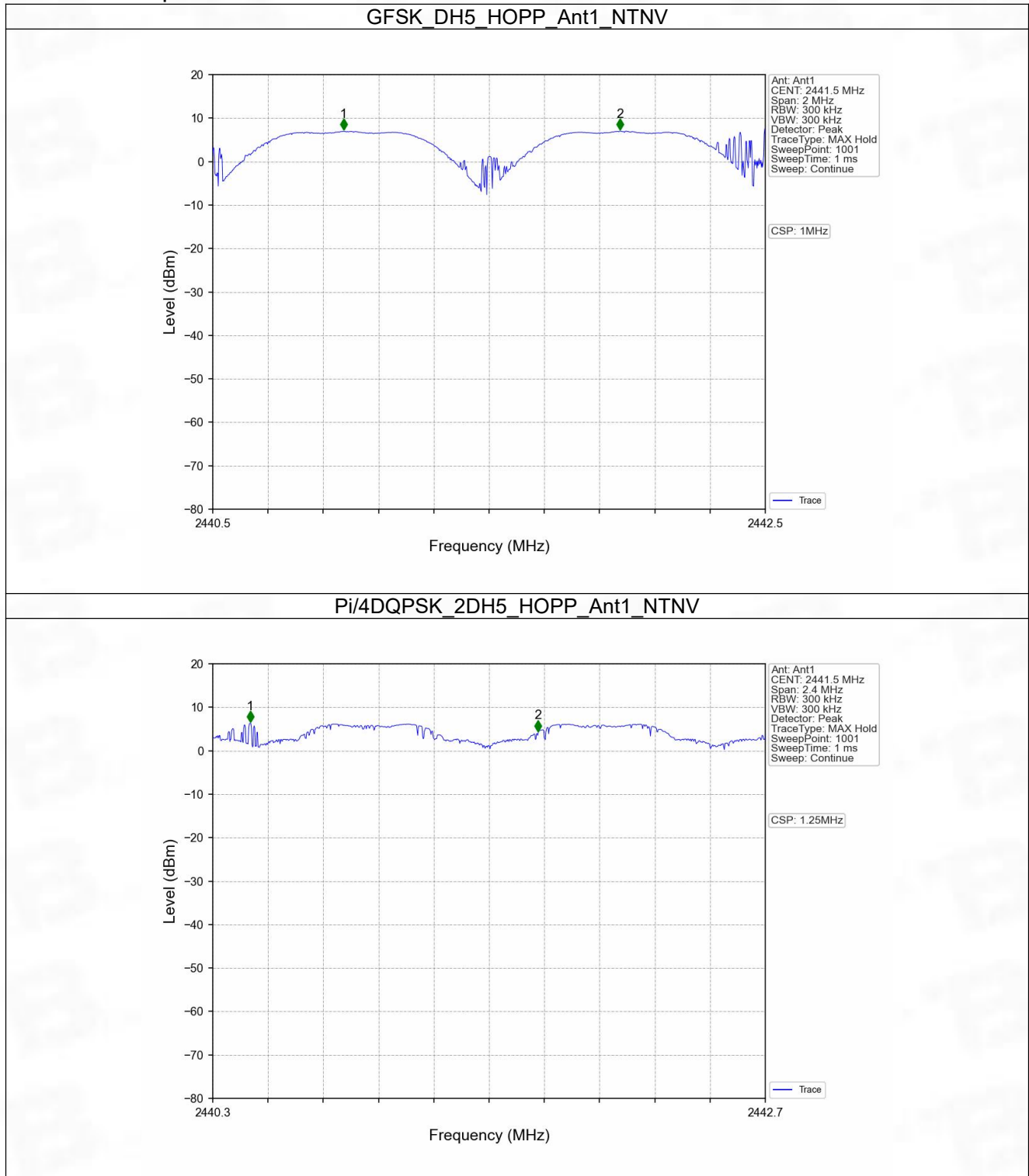
### 3. Carrier Frequency Separation

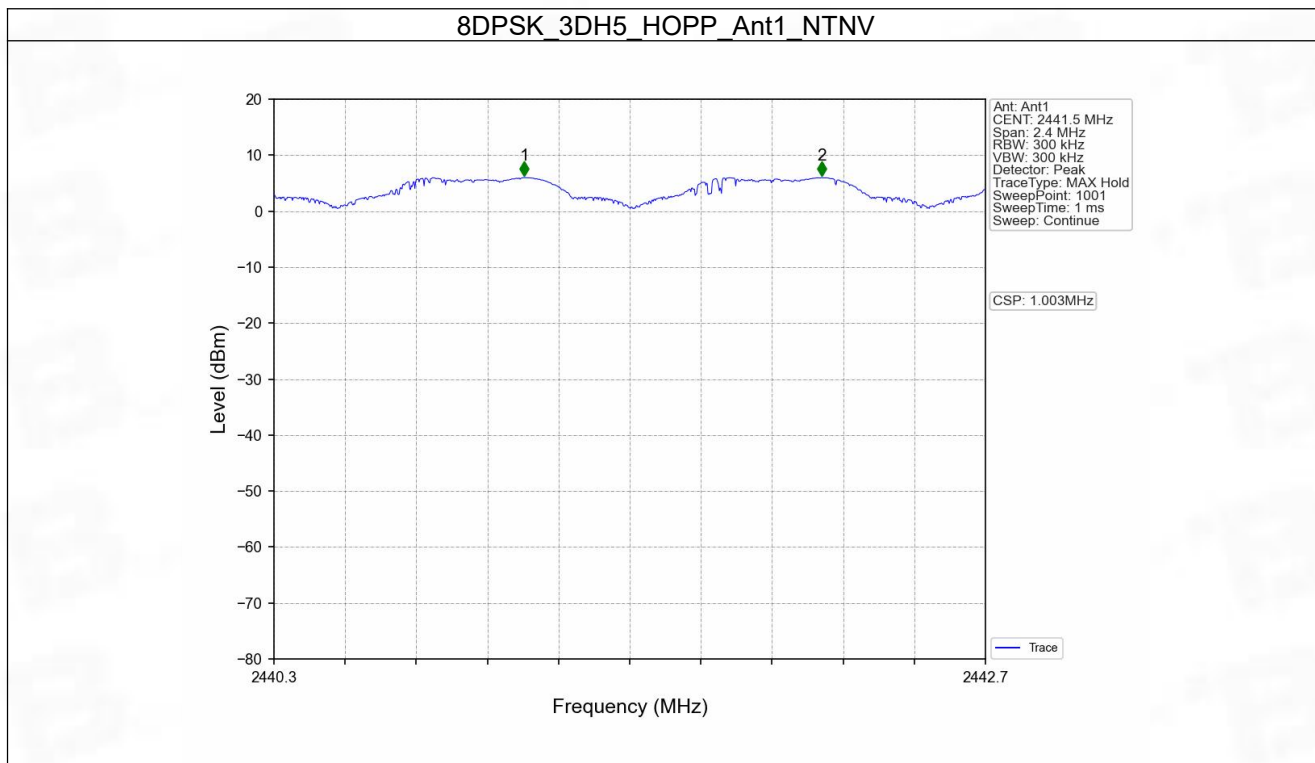
#### 3.1 Ant1

##### 3.1.1 Test Result

| Ant1      |         |                 |             |                          |                      |              |         |
|-----------|---------|-----------------|-------------|--------------------------|----------------------|--------------|---------|
| Mode      | TX Type | Frequency (MHz) | Packet Type | Channel Separation (MHz) | 20dB Bandwidth (MHz) | Limit (MHz)  | Verdict |
| GFSK      | SISO    | HOPP            | DH5         | 1.000                    | 0.850                | $\geq 0.85$  | Pass    |
| Pi/4DQPSK | SISO    | HOPP            | 2DH5        | 1.250                    | 1.282                | $\geq 0.855$ | Pass    |
| 8DPSK     | SISO    | HOPP            | 3DH5        | 1.003                    | 1.293                | $\geq 0.862$ | Pass    |

### 3.1.2 Test Graph





## 4. Number of Hopping Frequencies

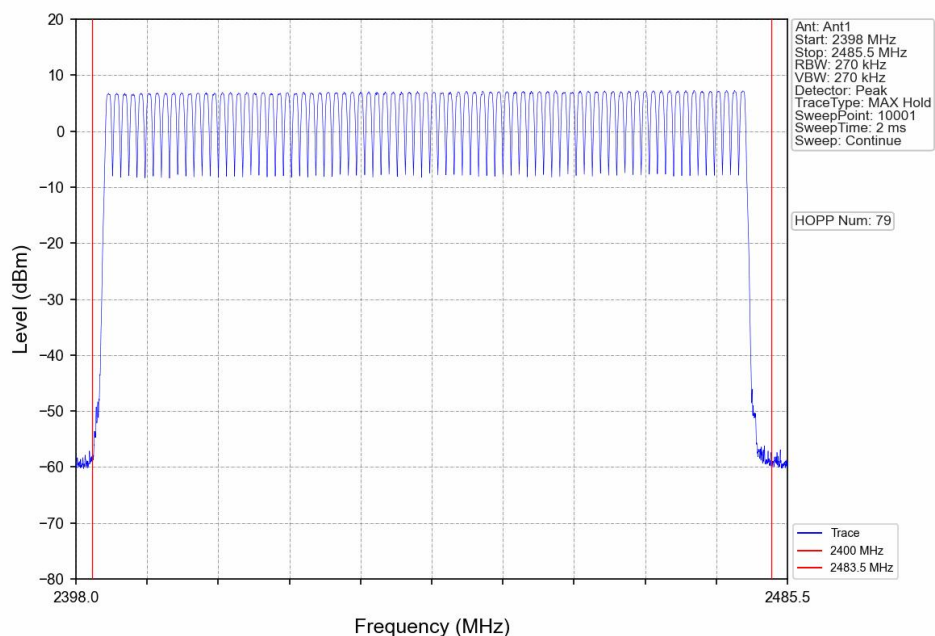
### 4.1 HoppNum

#### 4.1.1 Test Result

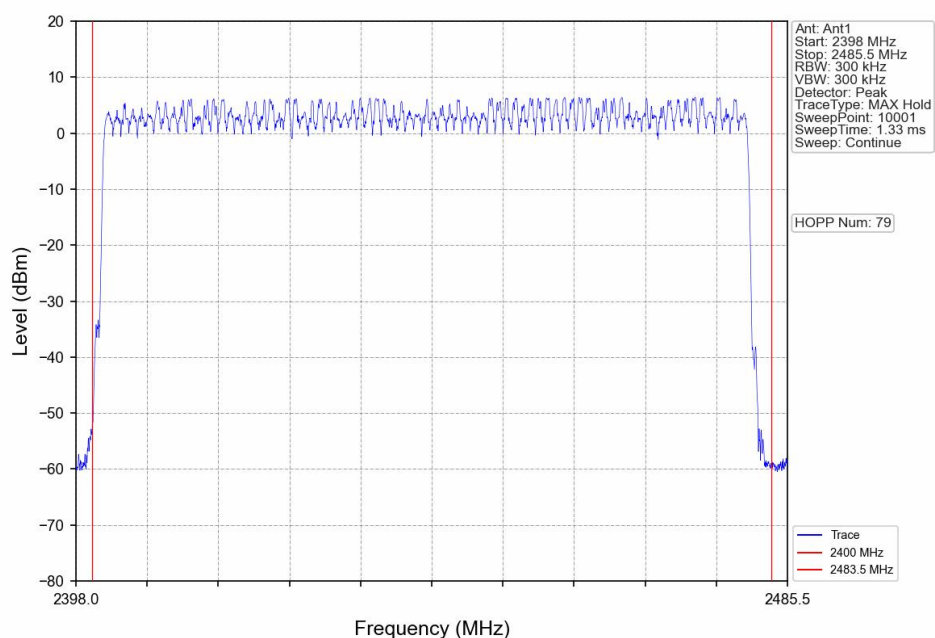
| Mode      | TX Type | Frequency (MHz) | Packet Type | Num of Hopping Frequencies |           | Verdict |
|-----------|---------|-----------------|-------------|----------------------------|-----------|---------|
|           |         |                 |             | ANT1                       | Limit     |         |
| 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

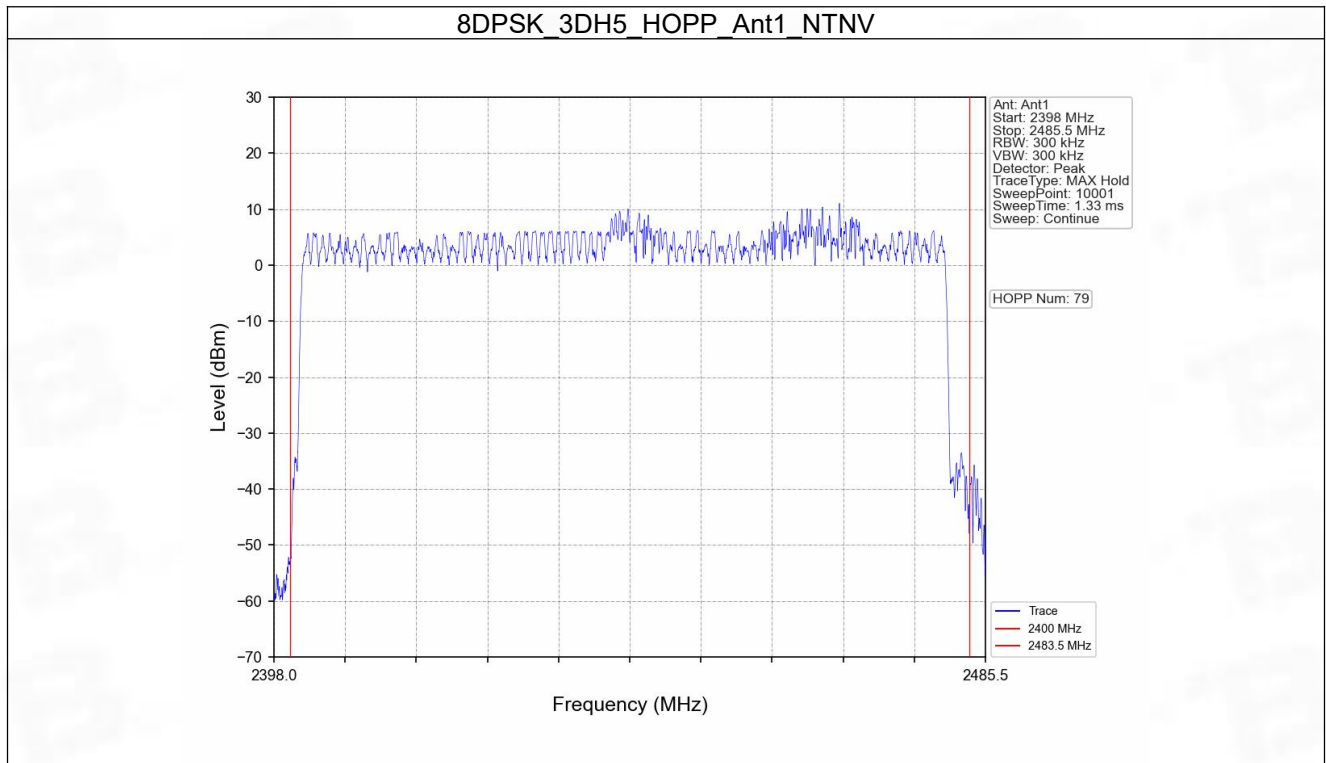
GFSK\_DH5\_HOPP\_Ant1\_NTNV



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







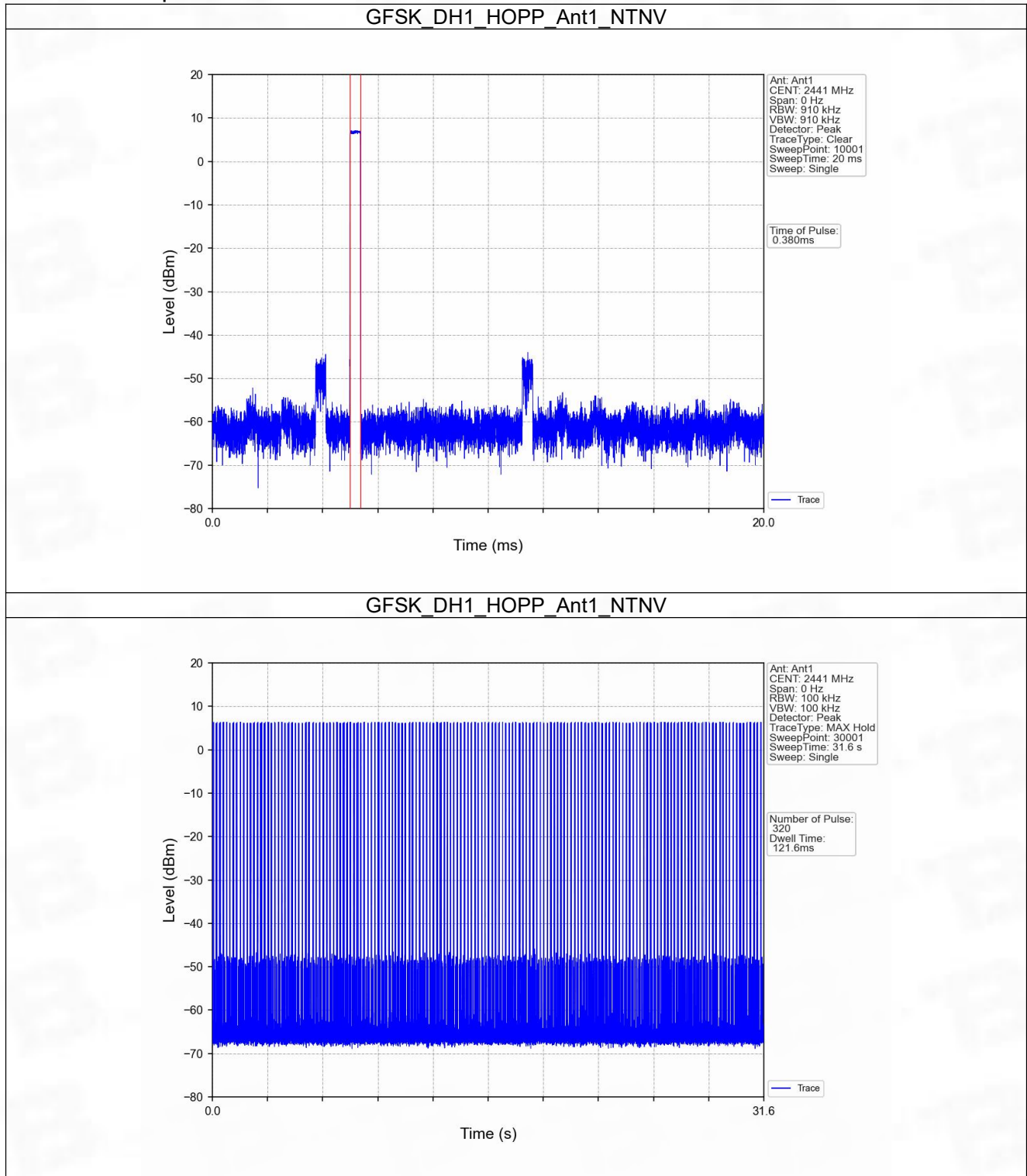
## 5. Time of Occupancy (Dwell Time)

### 5.1 Ant1

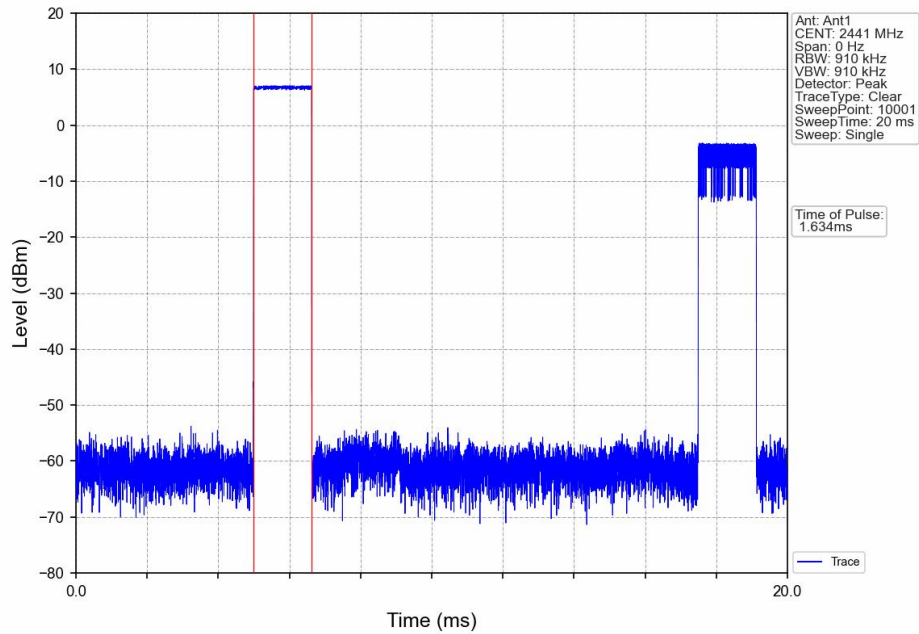
#### 5.1.1 Test Result

| 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         | 0.380                         | 31.600                 | 320                                | 121.600         | <=400      | Pass    |
|           |         |                 | DH3         | 1.634                         | 31.600                 | 158                                | 258.172         | <=400      | Pass    |
|           |         |                 | DH5         | 2.884                         | 31.600                 | 110                                | 317.240         | <=400      | Pass    |
| Pi/4DQPSK | SISO    | HOPP            | 2DH1        | 0.388                         | 31.600                 | 316                                | 122.608         | <=400      | Pass    |
|           |         |                 | 2DH3        | 1.654                         | 31.600                 | 157                                | 259.678         | <=400      | Pass    |
|           |         |                 | 2DH5        | 2.900                         | 31.600                 | 112                                | 324.800         | <=400      | Pass    |
| 8DPSK     | SISO    | HOPP            | 3DH1        | 0.386                         | 31.600                 | 320                                | 123.520         | <=400      | Pass    |
|           |         |                 | 3DH3        | 1.638                         | 31.600                 | 161                                | 263.718         | <=400      | Pass    |
|           |         |                 | 3DH5        | 2.890                         | 31.600                 | 113                                | 326.570         | <=400      | Pass    |

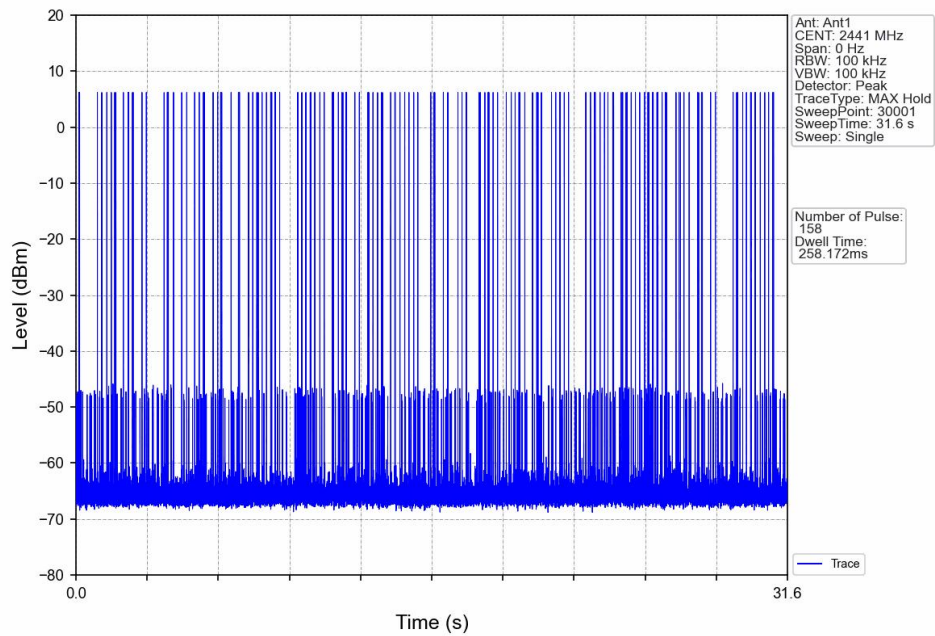
### 5.1.2 Test Graph



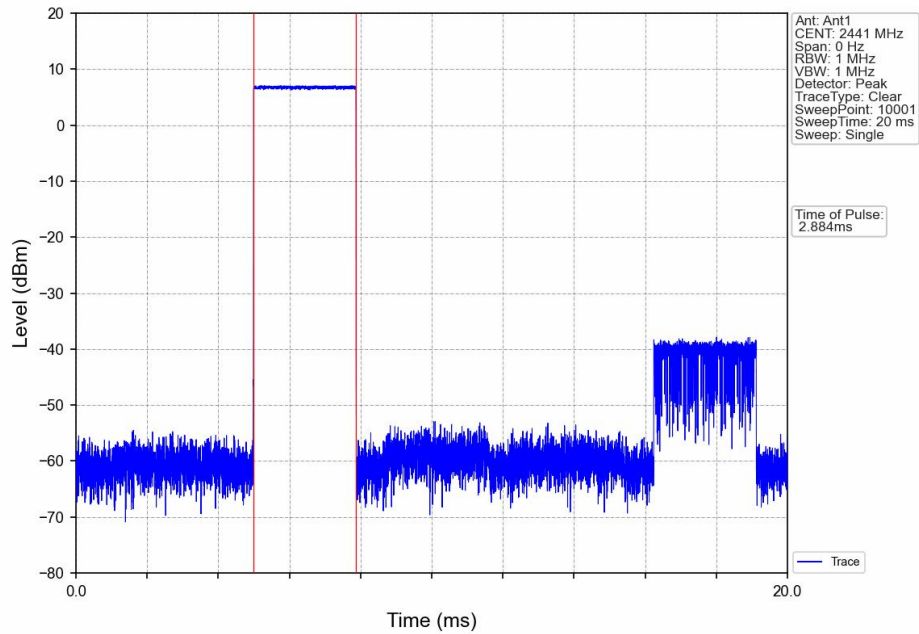
## GFSK\_DH3\_HOPP\_Ant1\_NTNV



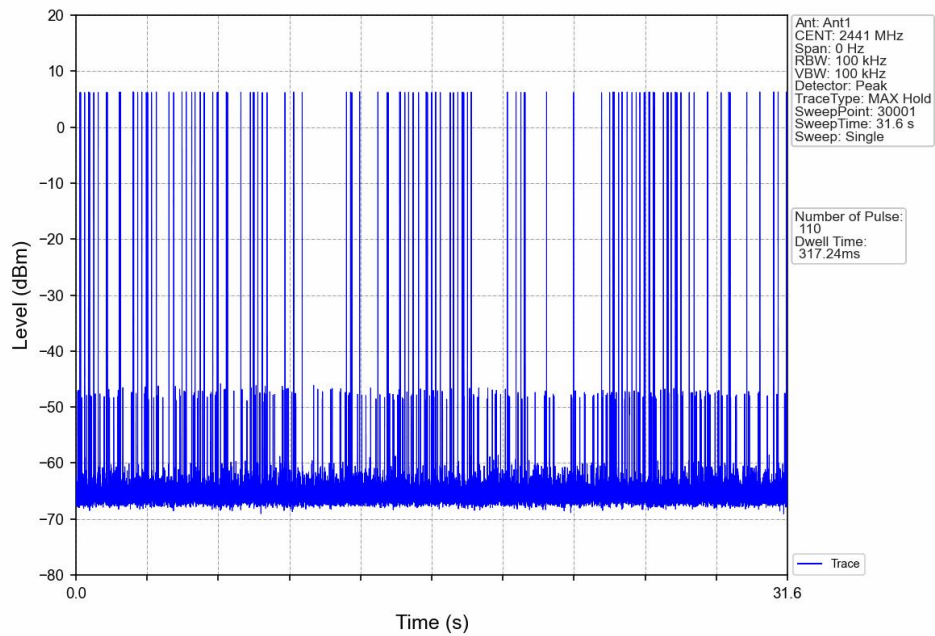
## GFSK\_DH3\_HOPP\_Ant1\_NTNV



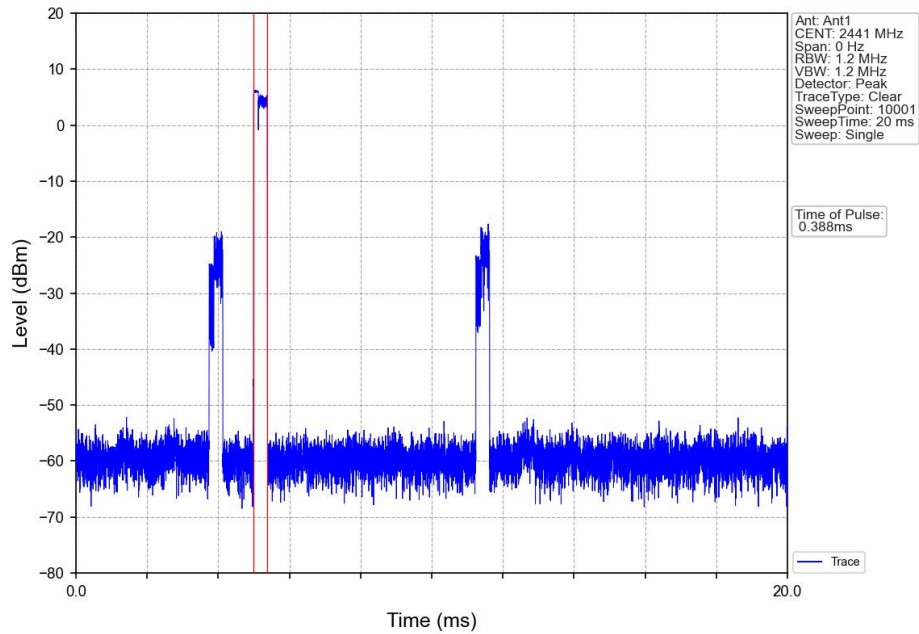
## GFSK\_DH5\_HOPP\_Ant1\_NTNV



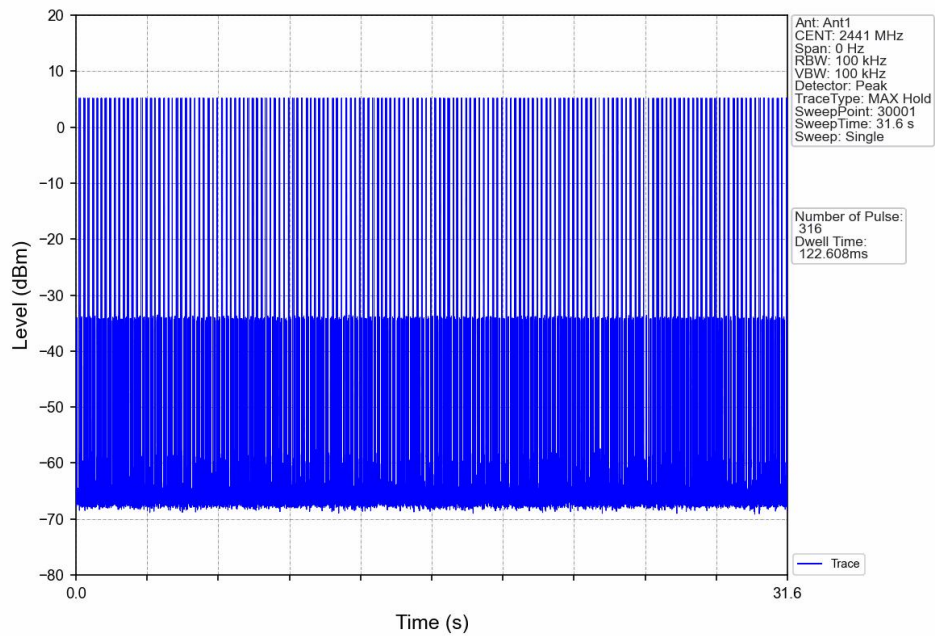
## GFSK\_DH5\_HOPP\_Ant1\_NTNV



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

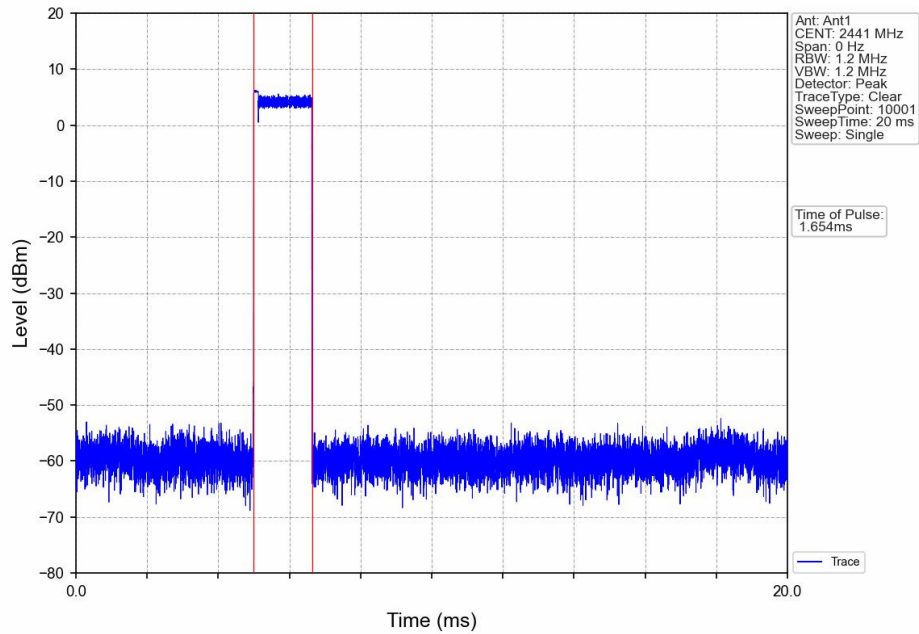


## Pi/4DQPSK\_2DH1\_HOPP\_Ant1\_NTNV

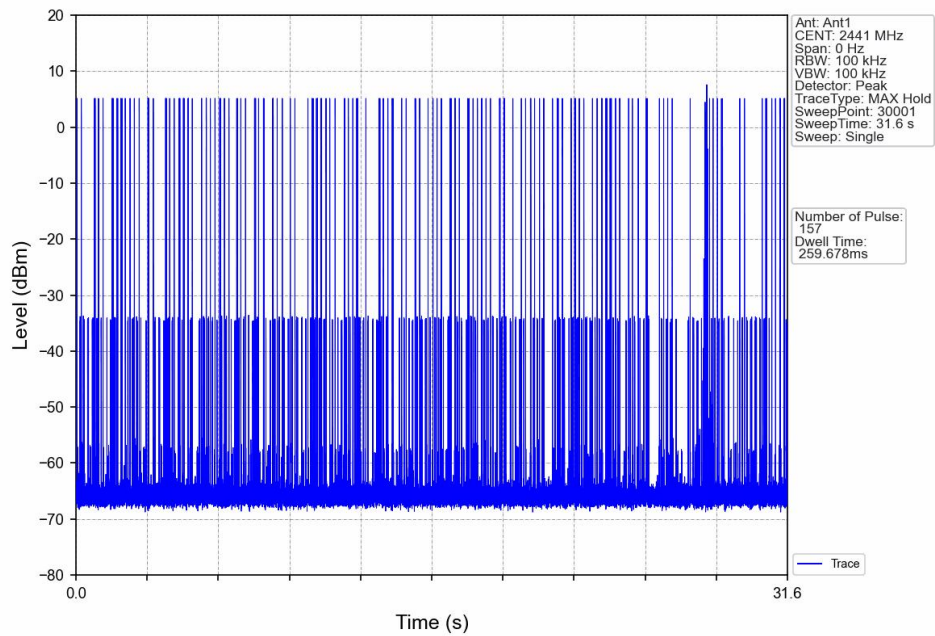




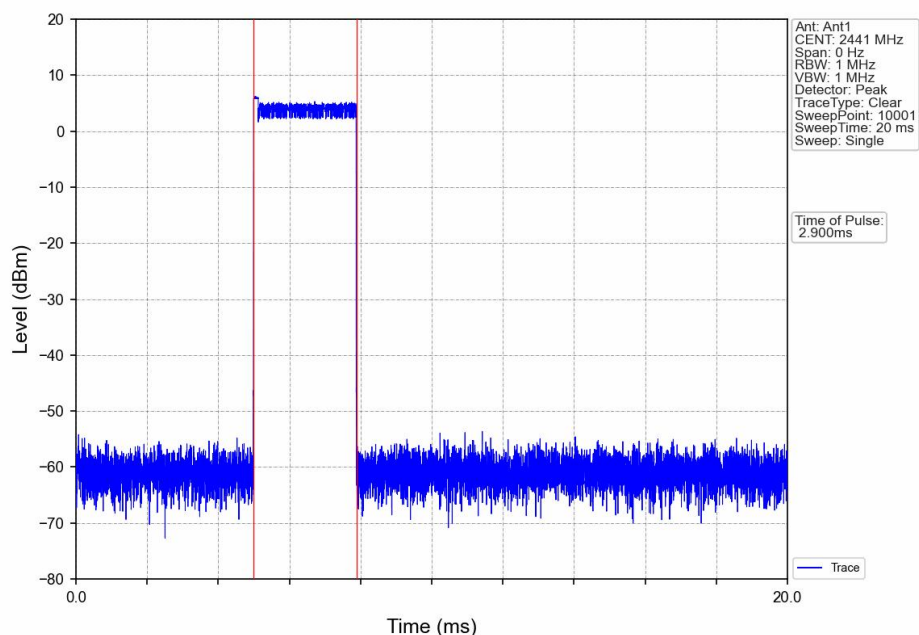
Pi/4DQPSK\_2DH3\_HOPP\_Ant1\_NTNV



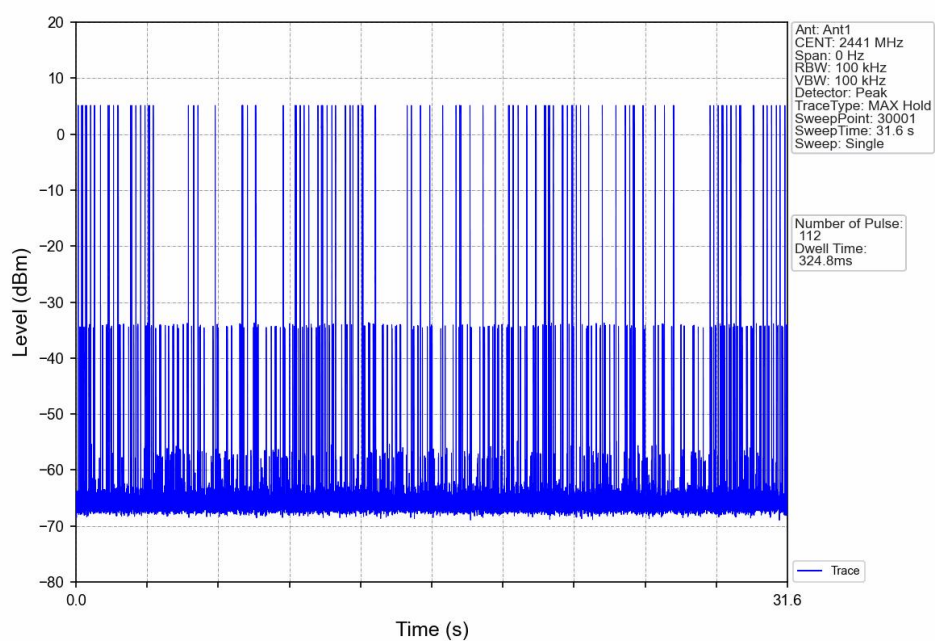
Pi/4DQPSK\_2DH3\_HOPP\_Ant1\_NTNV



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

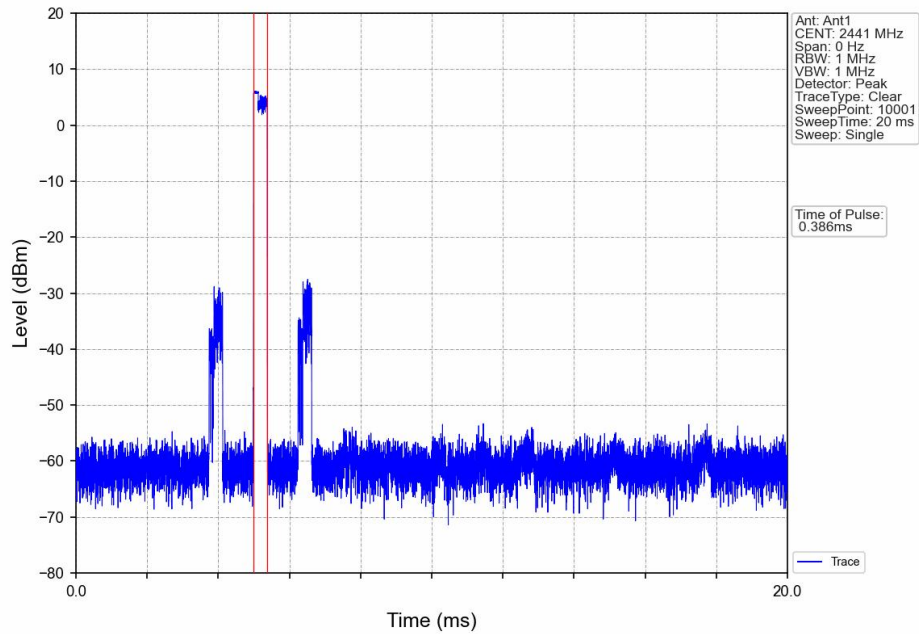


Pi/4DQPSK\_2DH5\_HOPP\_Ant1\_NTNV

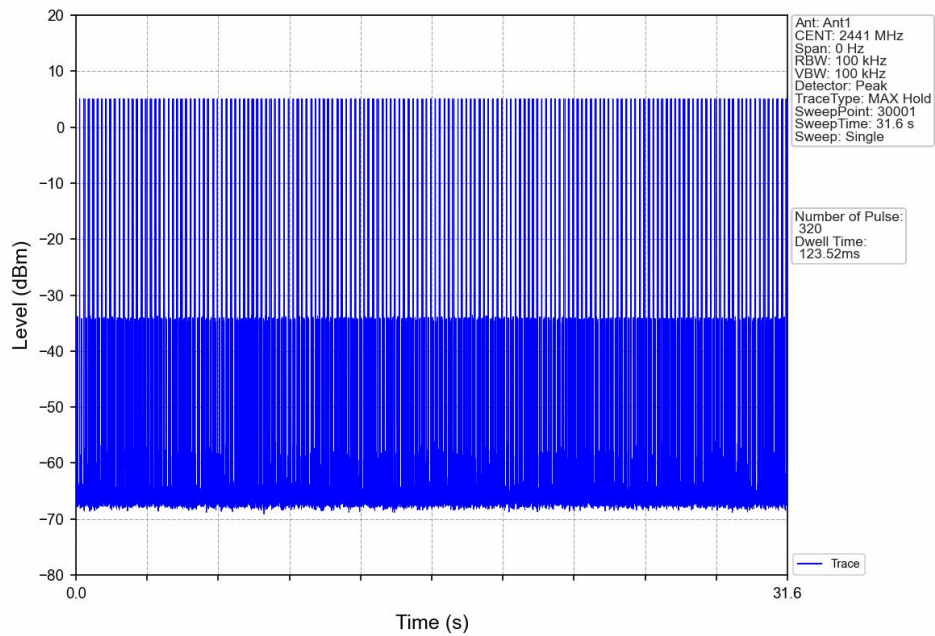




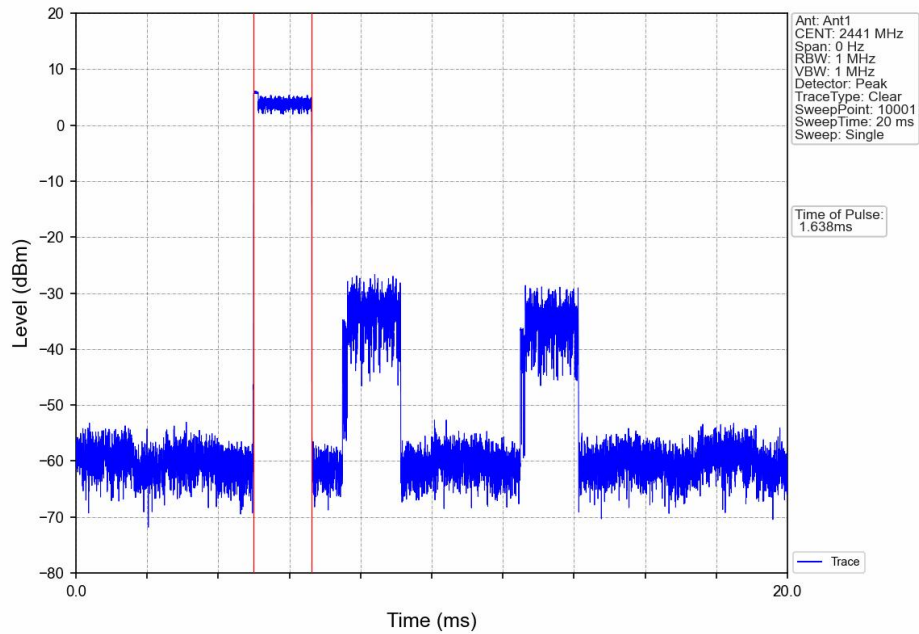
8DPSK\_3DH1\_HOPP\_Ant1\_NTNV



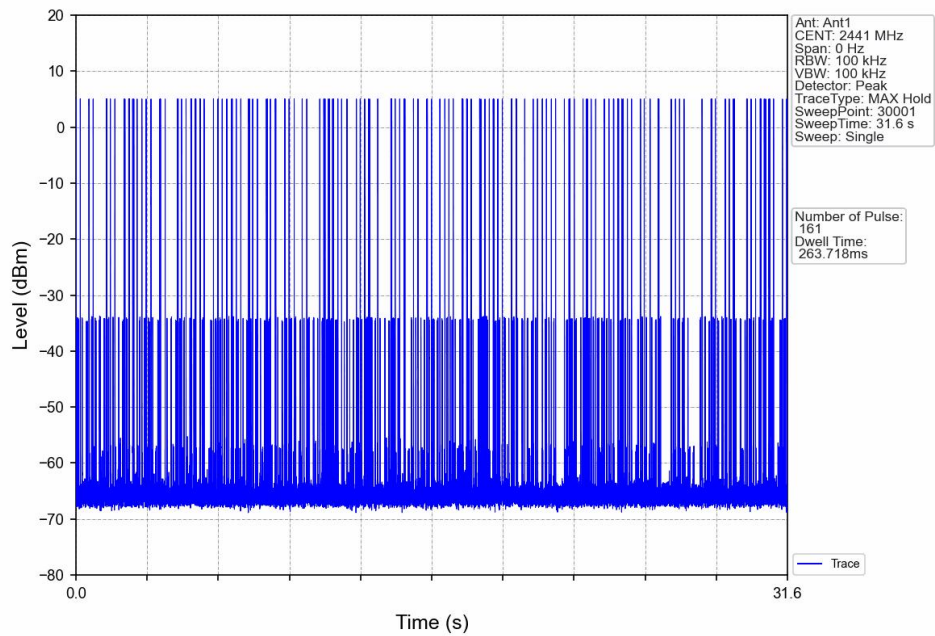
8DPSK\_3DH1\_HOPP\_Ant1\_NTNV



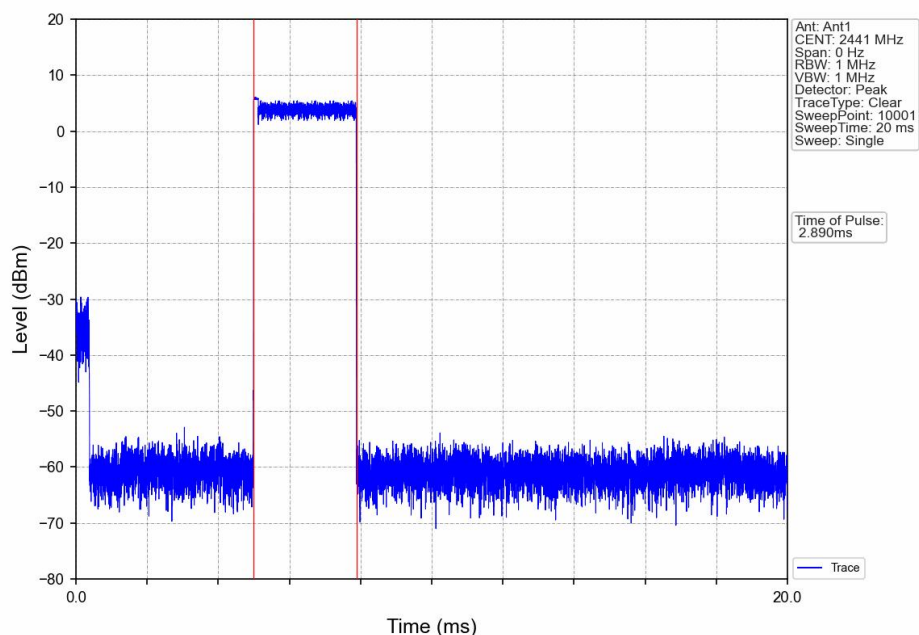
## 8DPSK\_3DH3\_HOPP\_Ant1\_NTNV



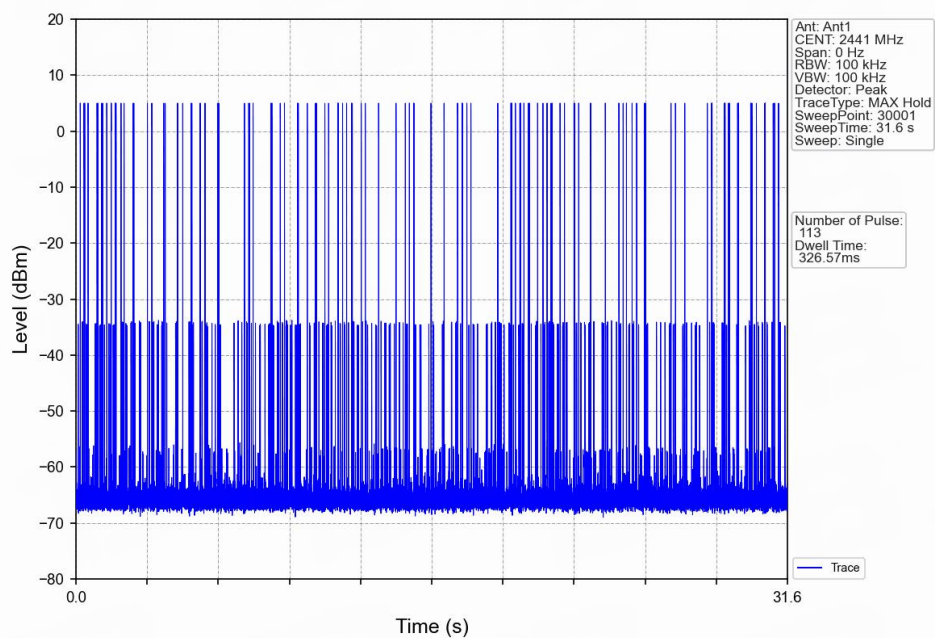
## 8DPSK\_3DH3\_HOPP\_Ant1\_NTNV



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



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



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

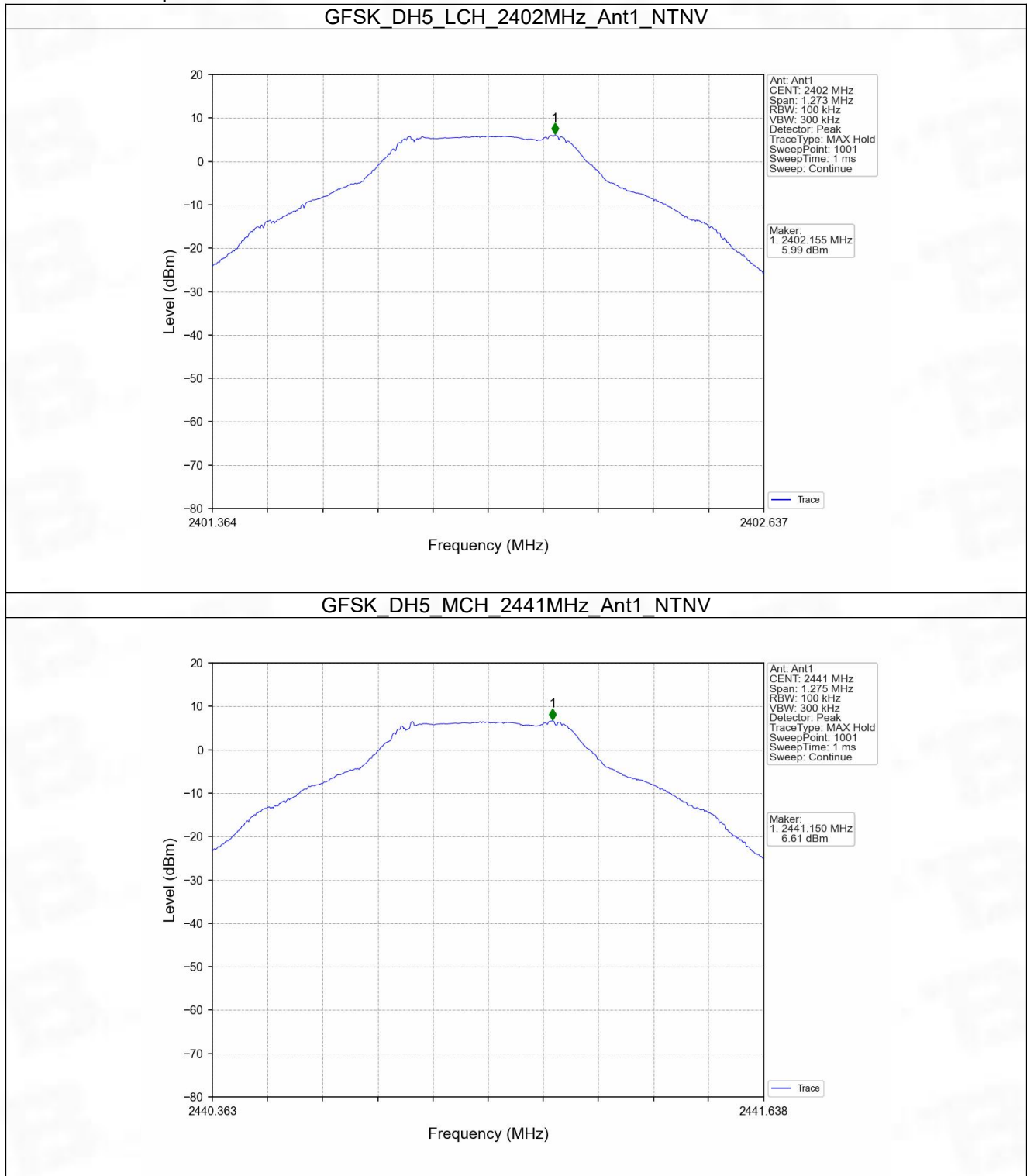
### 6.1 Ref

#### 6.1.1 Test Result

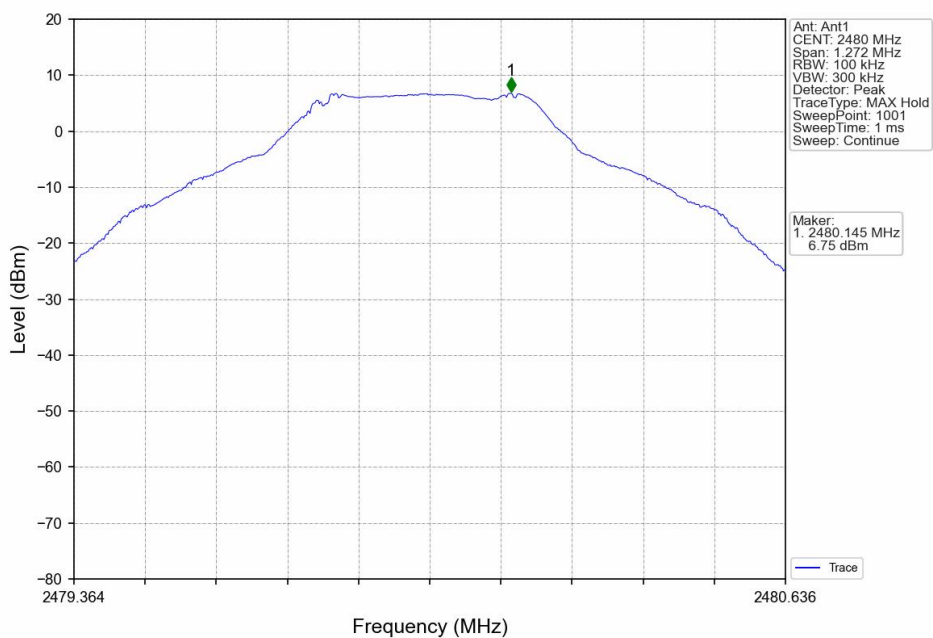
| Mode      | TX Type | Frequency (MHz) | Packet Type | ANT | Level of Reference (dBm) |
|-----------|---------|-----------------|-------------|-----|--------------------------|
| GFSK      | SISO    | 2402            | DH5         | 1   | 5.99                     |
|           |         | 2441            | DH5         | 1   | 6.61                     |
|           |         | 2480            | DH5         | 1   | 6.75                     |
| Pi/4DQPSK | SISO    | 2402            | 2DH5        | 1   | 5.86                     |
|           |         | 2441            | 2DH5        | 1   | 6.10                     |
|           |         | 2480            | 2DH5        | 1   | 6.22                     |
| 8DPSK     | SISO    | 2402            | 3DH5        | 1   | 5.51                     |
|           |         | 2441            | 3DH5        | 1   | 5.83                     |
|           |         | 2480            | 3DH5        | 1   | 5.96                     |

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.

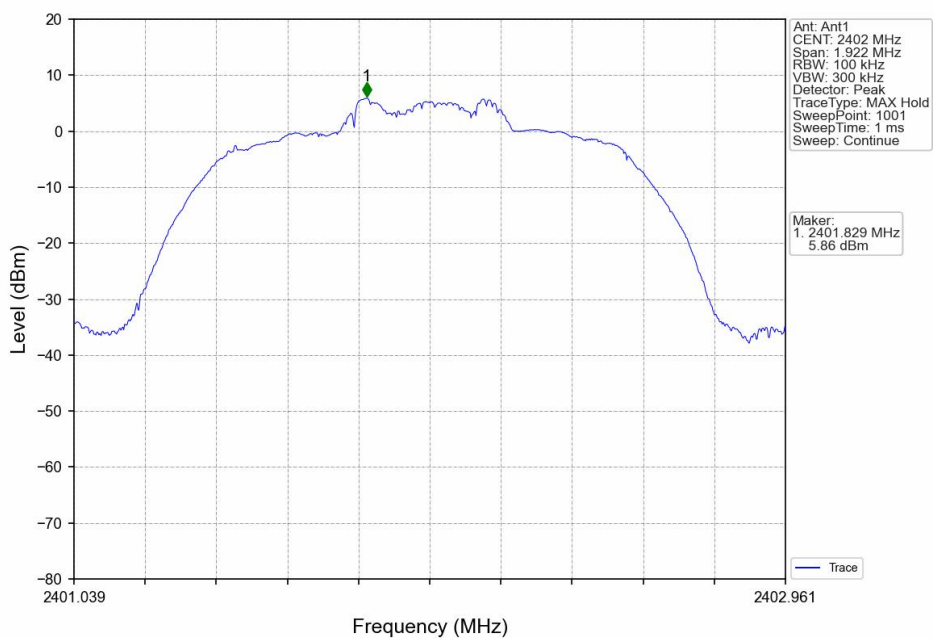
### 6.1.2 Test Graph



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

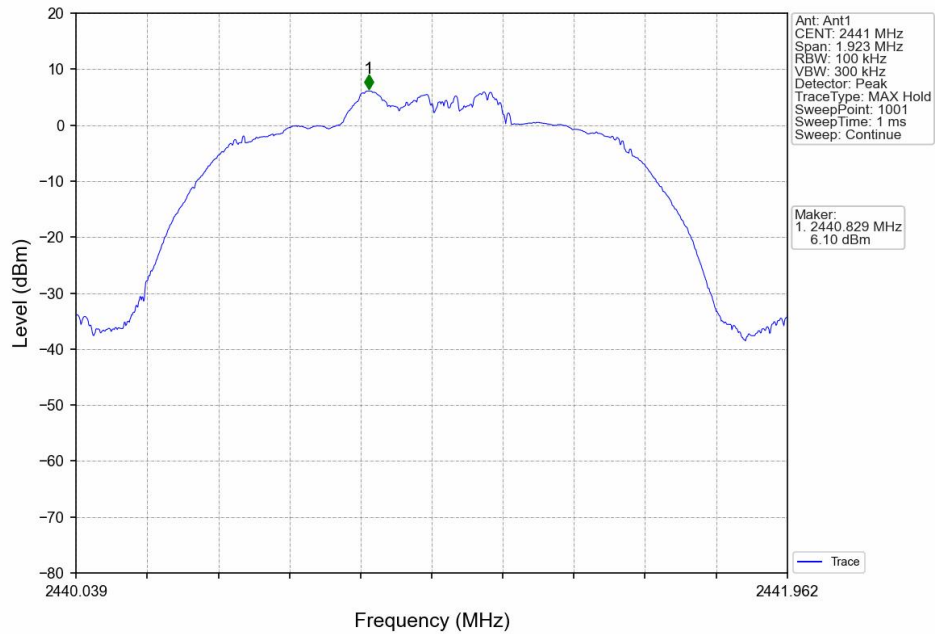


## Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV

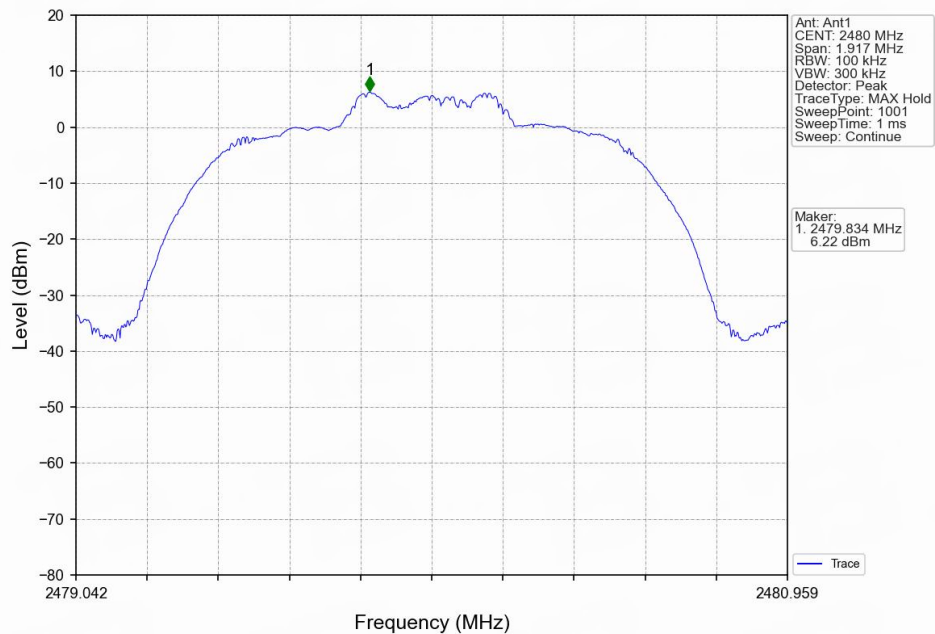




Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV

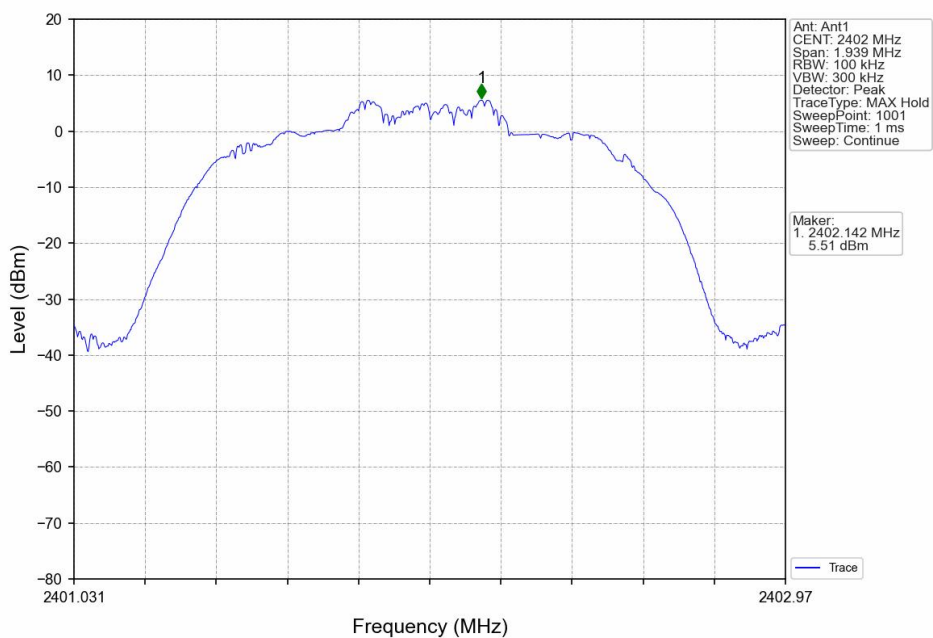


Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV

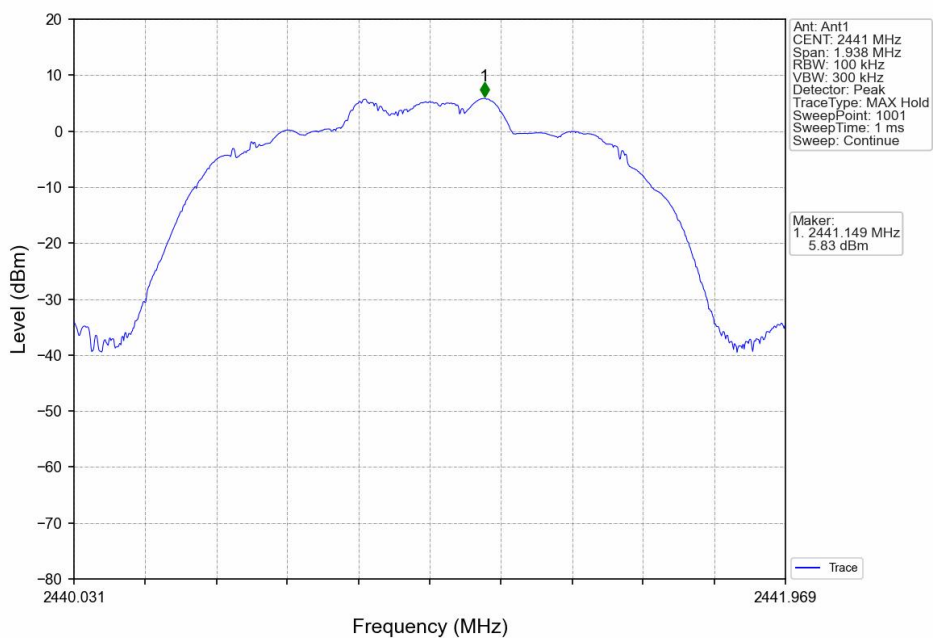


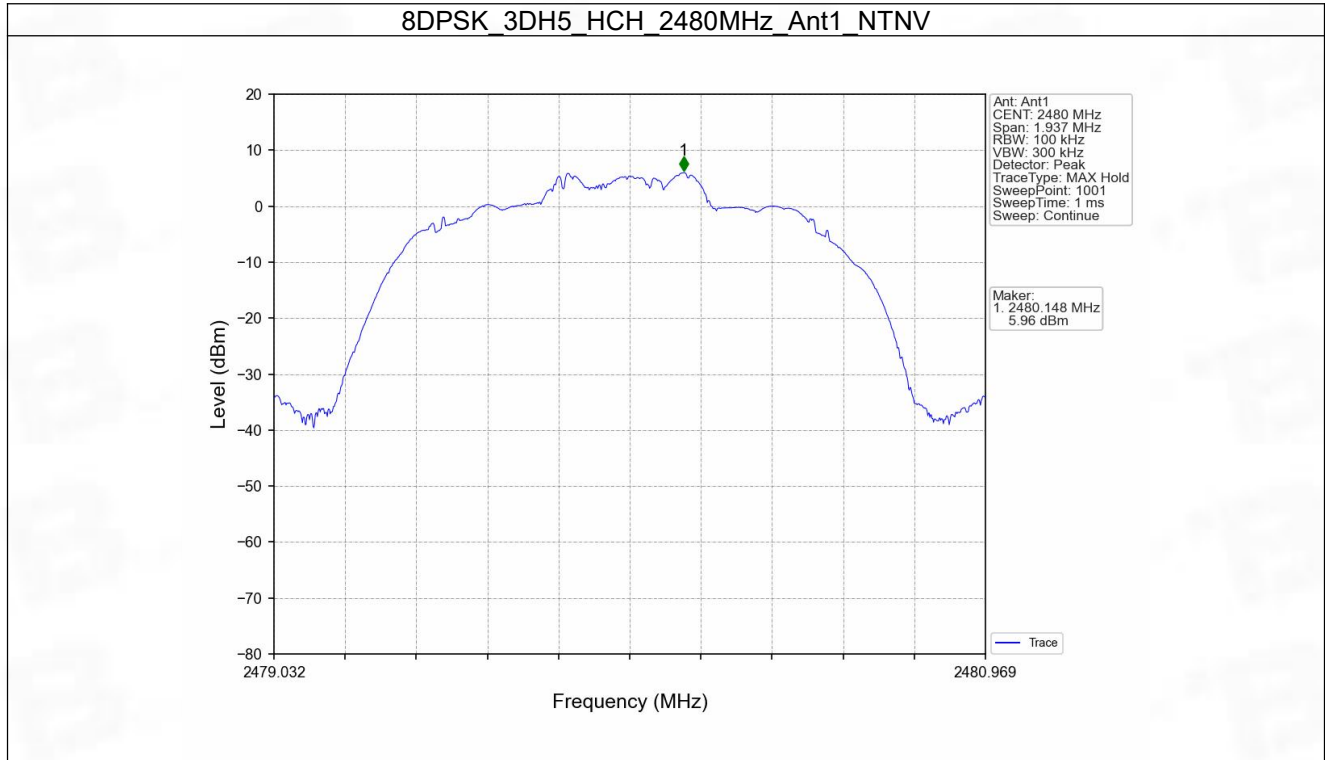


## 8DPSK\_3DH5\_LCH\_2402MHz\_Ant1\_NTNV



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





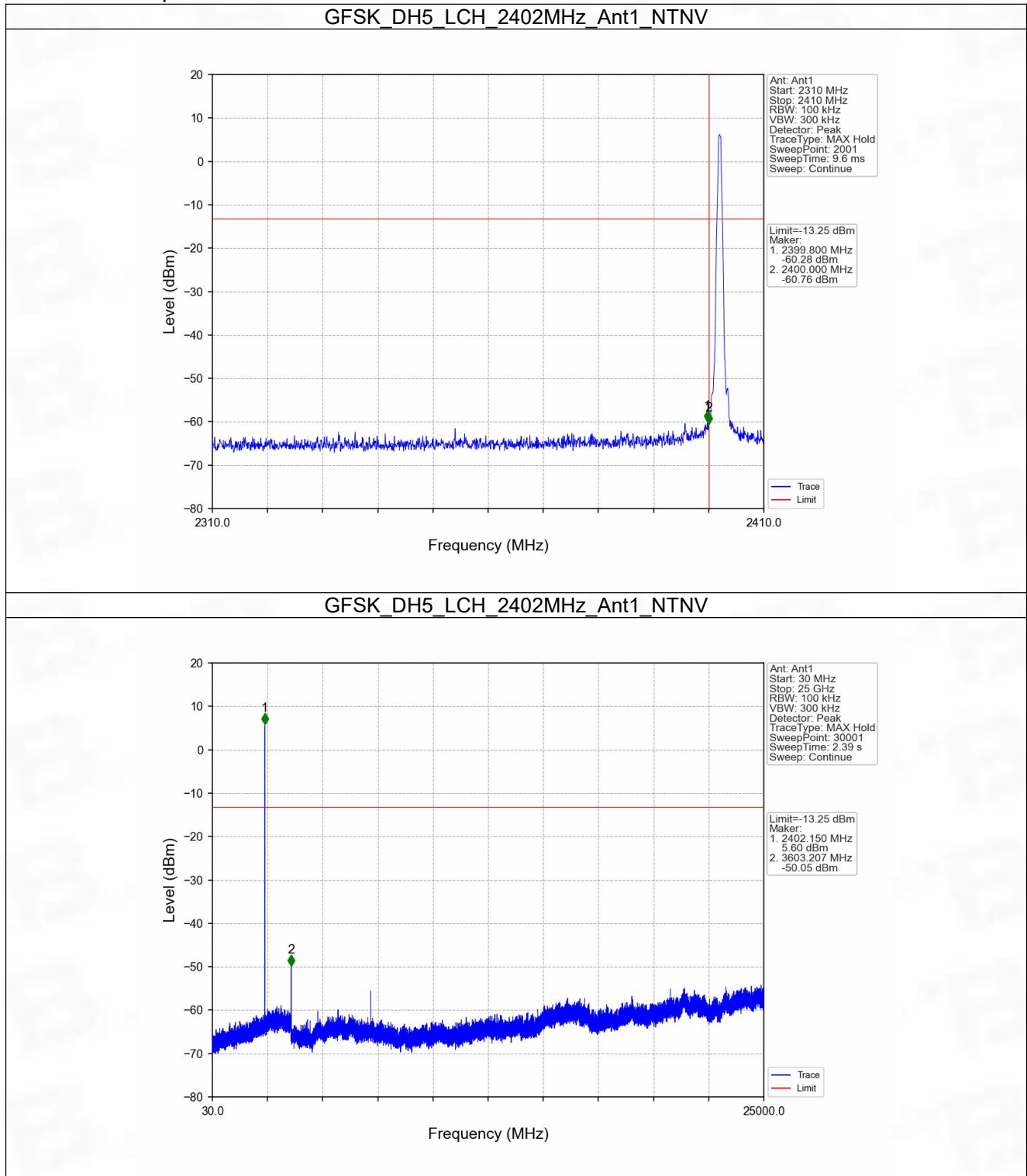
## 6.2 CSE

### 6.2.1 Test Result

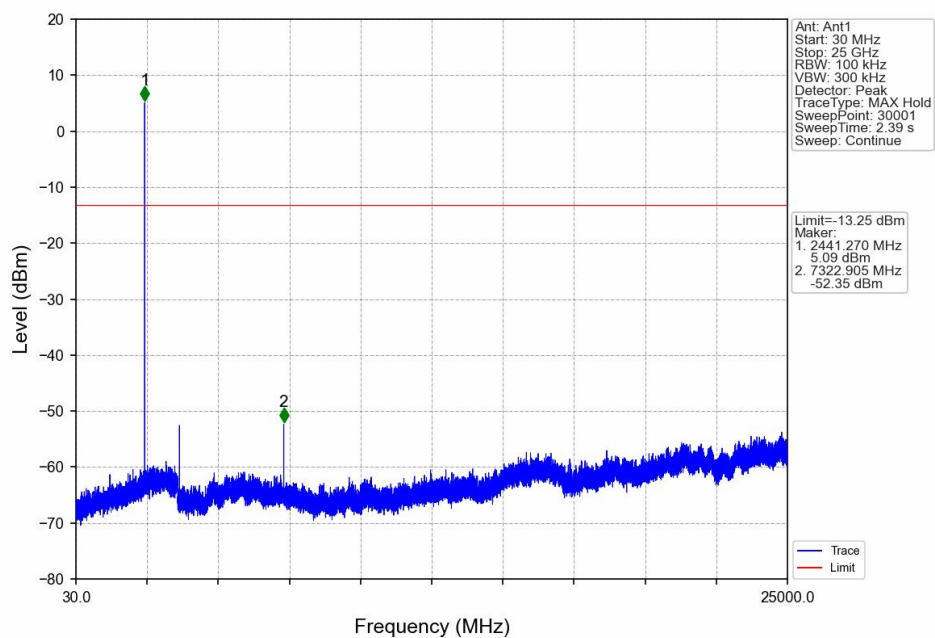
| Mode      | TX Type | Frequency (MHz) | Packet Type | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|-----------|---------|-----------------|-------------|-----|--------------------------|-------------|---------|
| GFSK      | SISO    | 2402            | DH5         | 1   | 6.75                     | -13.25      | Pass    |
|           |         | 2441            | DH5         | 1   | 6.75                     | -13.25      | Pass    |
|           |         | 2480            | DH5         | 1   | 6.75                     | -13.25      | Pass    |
|           |         | HOPP            | DH5         | 1   | 6.75                     | -13.25      | Pass    |
| Pi/4DQPSK | SISO    | 2402            | 2DH5        | 1   | 6.22                     | -13.78      | Pass    |
|           |         | 2441            | 2DH5        | 1   | 6.22                     | -13.78      | Pass    |
|           |         | 2480            | 2DH5        | 1   | 6.22                     | -13.78      | Pass    |
|           |         | HOPP            | 2DH5        | 1   | 6.22                     | -13.78      | Pass    |
| 8DPSK     | SISO    | 2402            | 3DH5        | 1   | 5.96                     | -14.04      | Pass    |
|           |         | 2441            | 3DH5        | 1   | 5.96                     | -14.04      | Pass    |
|           |         | 2480            | 3DH5        | 1   | 5.96                     | -14.04      | Pass    |
|           |         | HOPP            | 3DH5        | 1   | 5.96                     | -14.04      | 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.

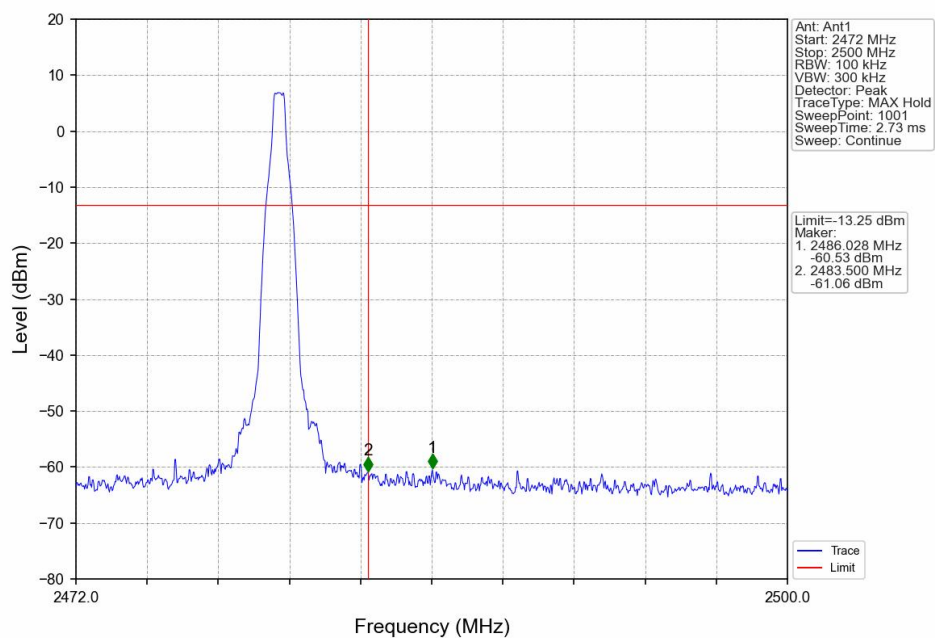
## 6.2.2 Test Graph



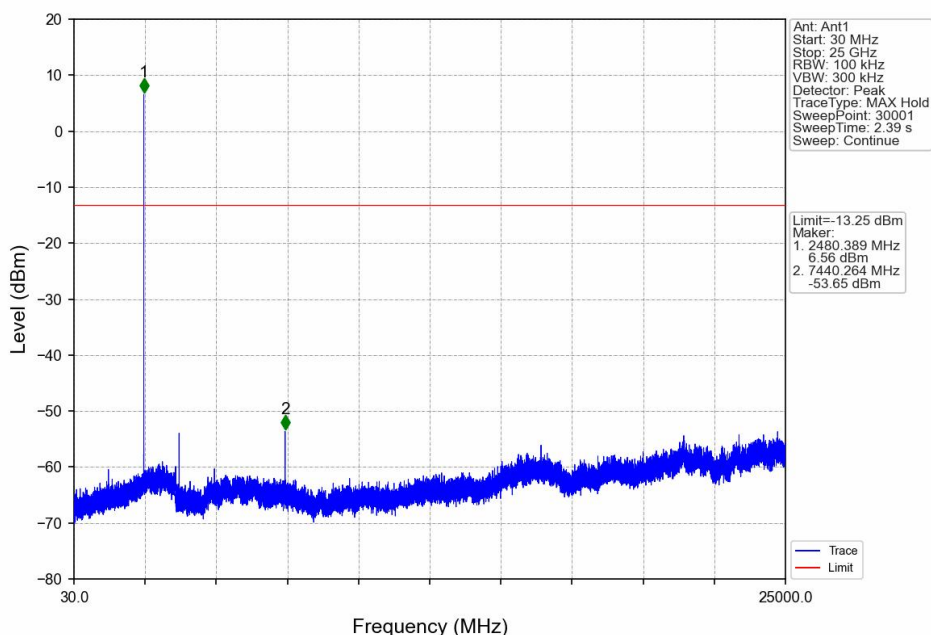
## GFSK\_DH5\_MCH\_2441MHz\_Ant1\_NTNV



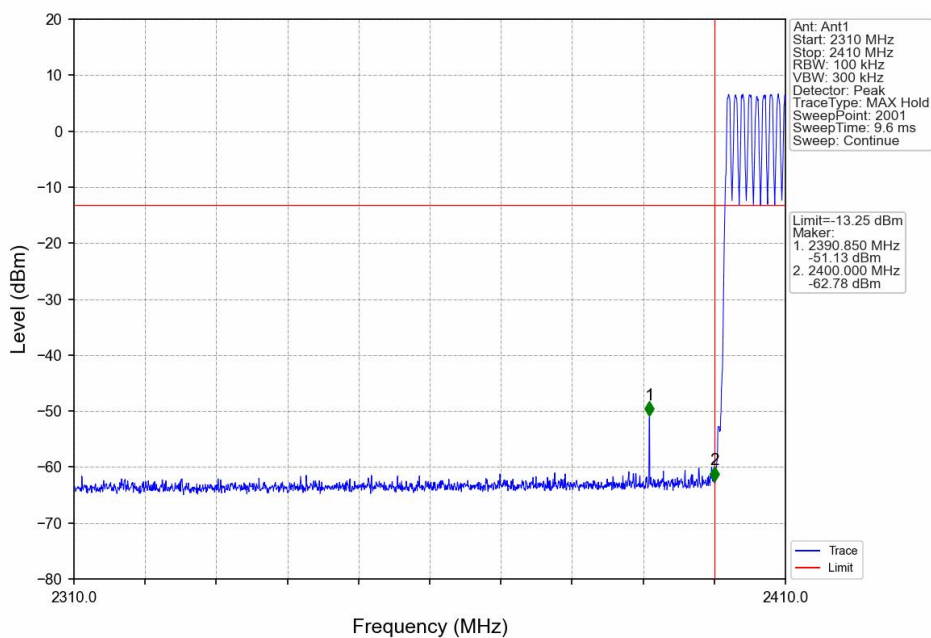
## GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



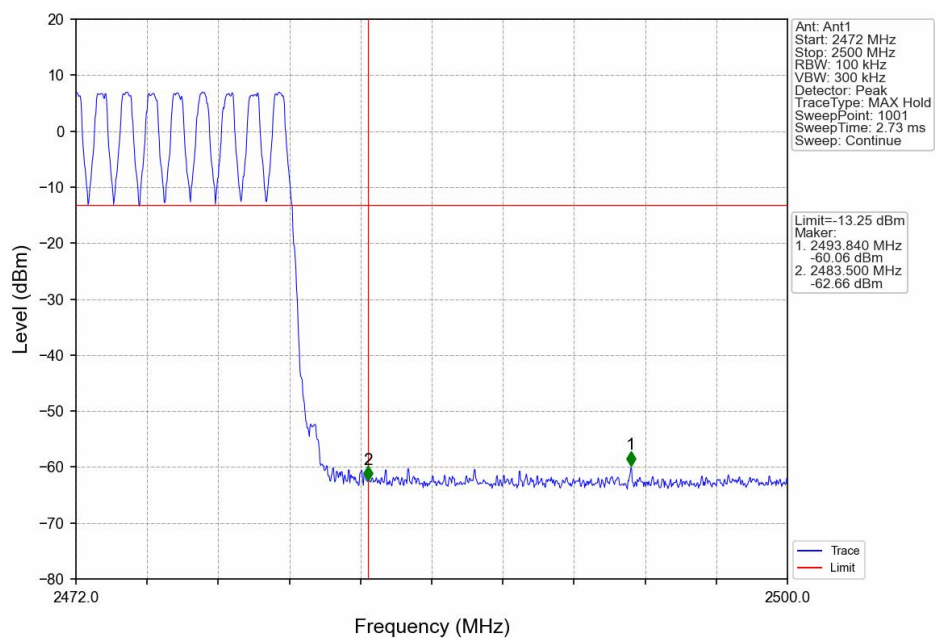
## GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



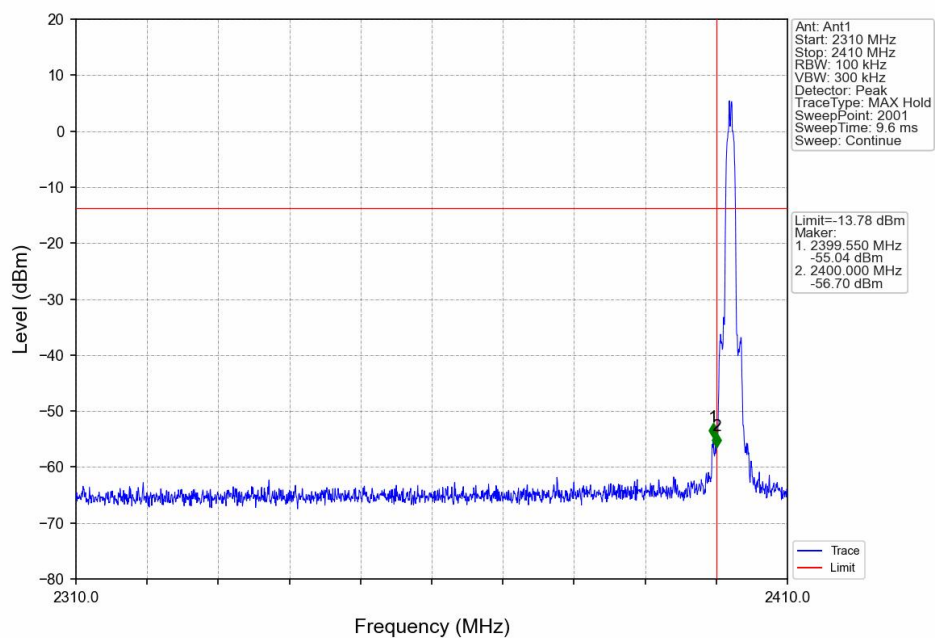
## GFSK\_DH5\_HOPP\_Ant1\_NTNV



## GFSK\_DH5\_HOPP\_Ant1\_NTNV

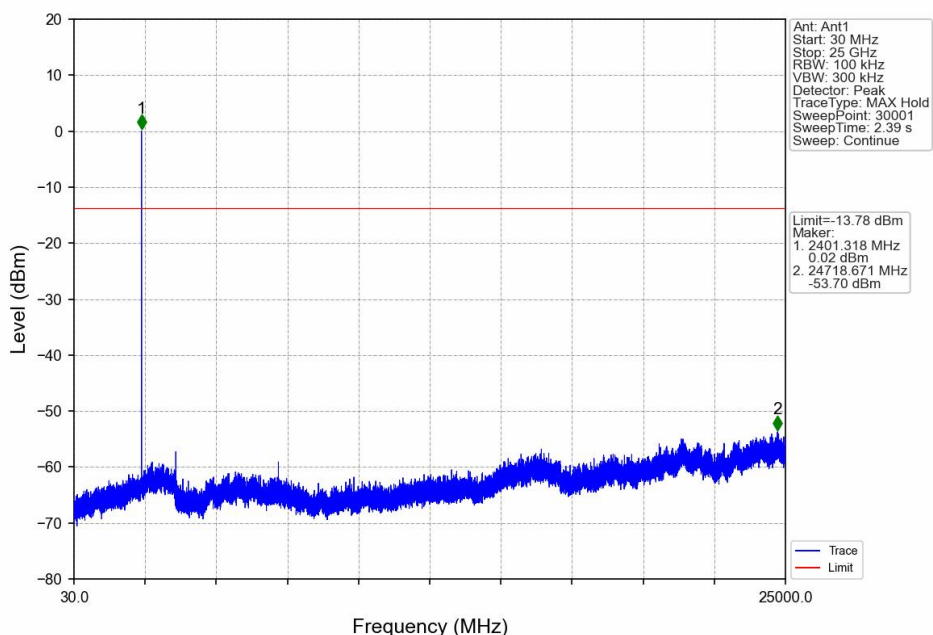


## Pi/4DQPSK\_2DH5\_LCH\_2402MHz\_Ant1\_NTNV





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



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

