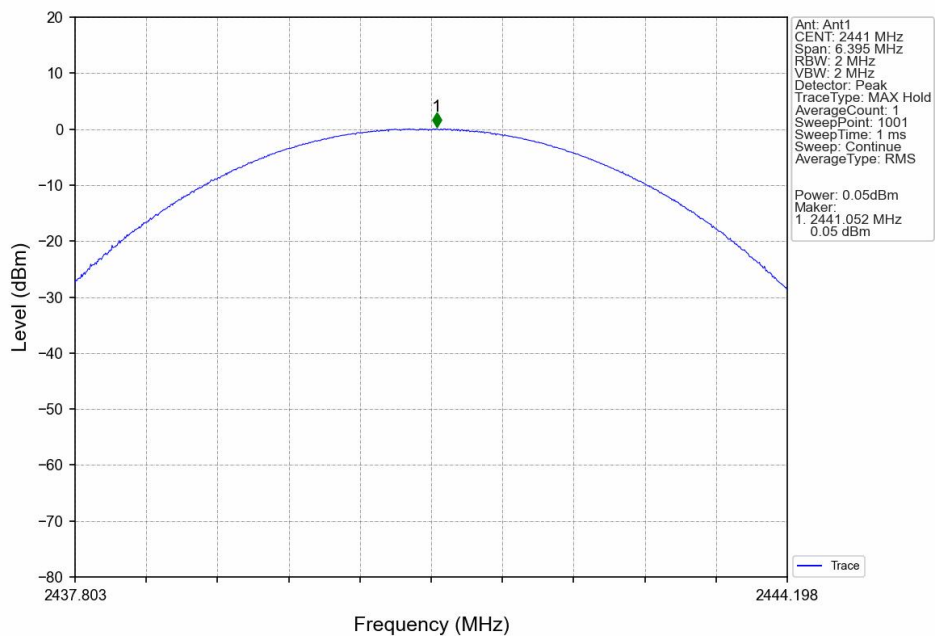
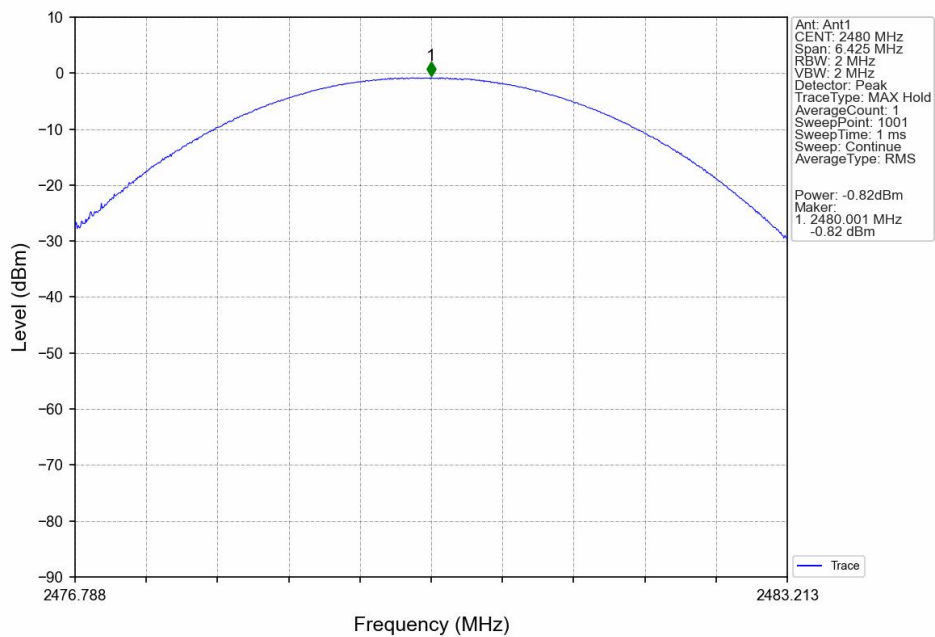


Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



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



## 4. Carrier Frequency Separation

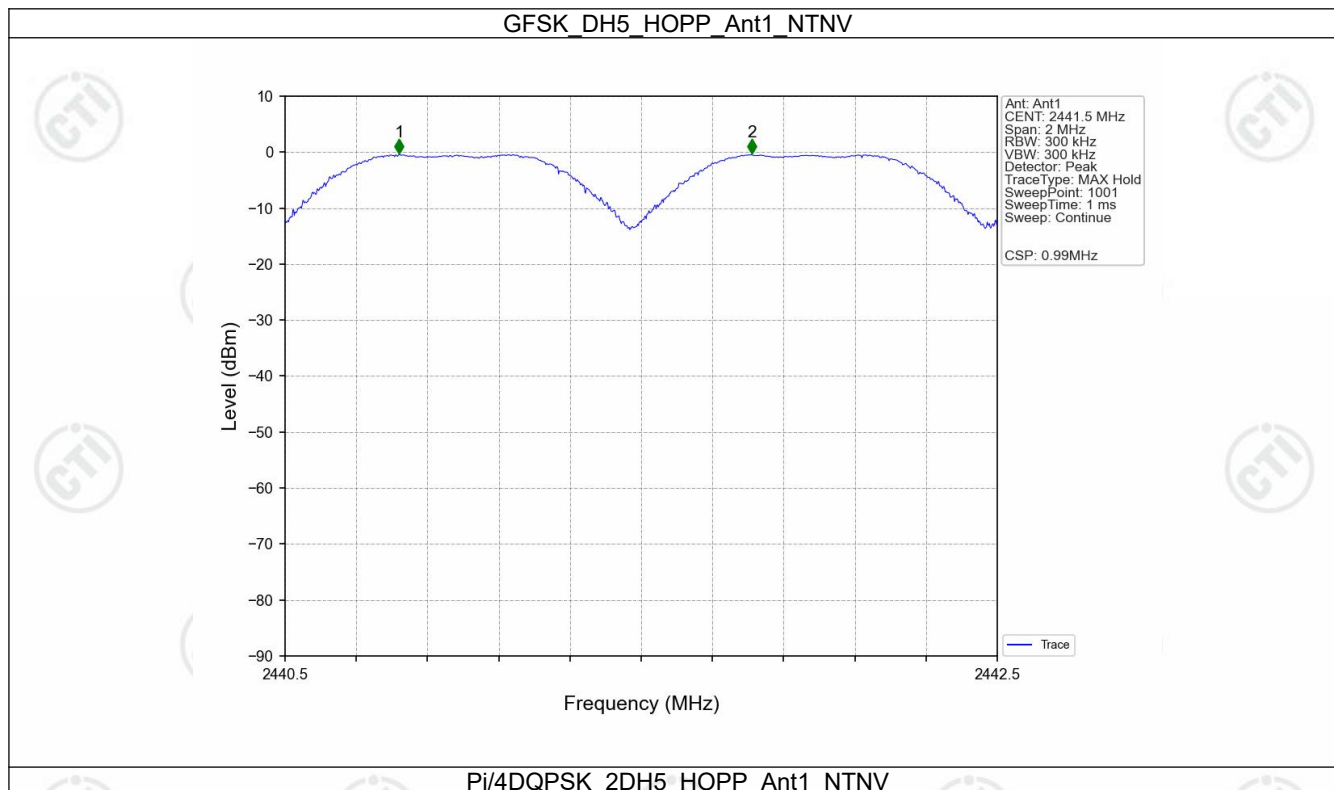
### 4.1 Test Result

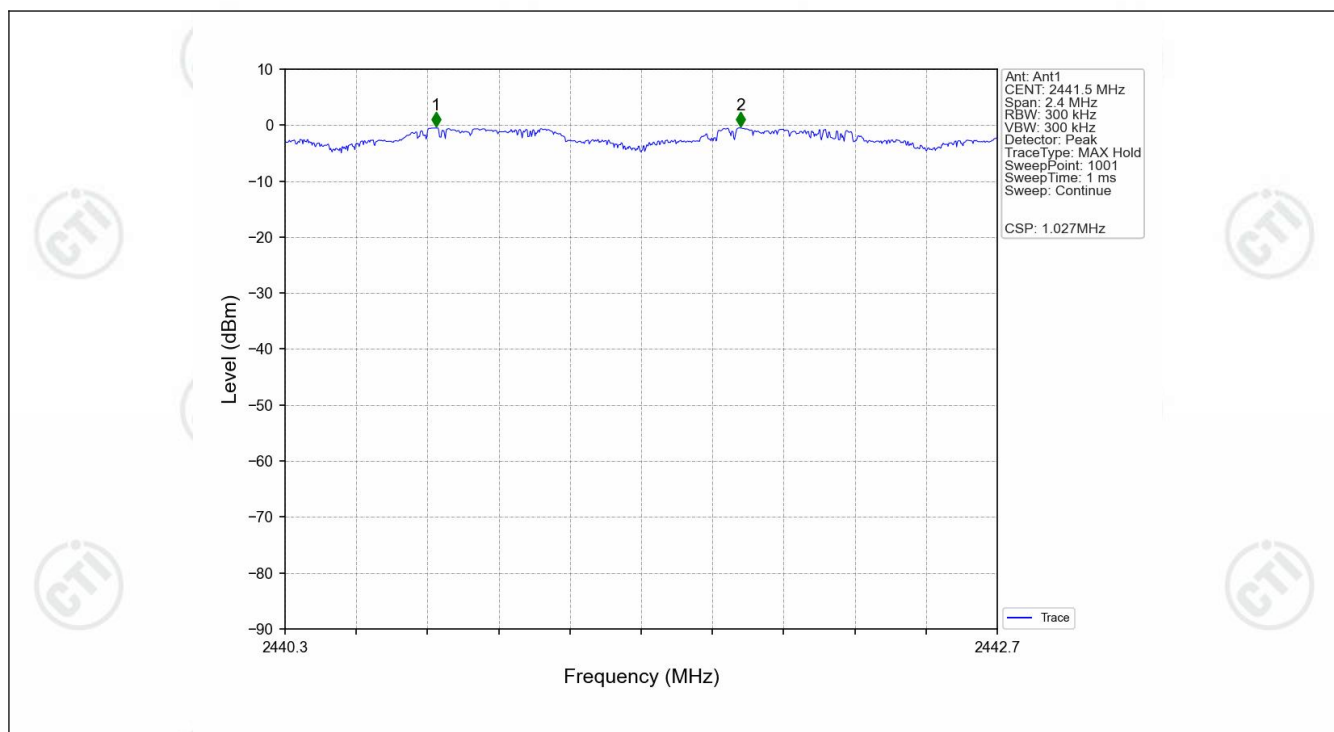
#### 4.1.1 Ant1

| Ant1      |         |                 |             |                          |                      |              |         |
|-----------|---------|-----------------|-------------|--------------------------|----------------------|--------------|---------|
| Mode      | TX Type | Frequency (MHz) | Packet Type | Channel Separation (MHz) | 20dB Bandwidth (MHz) | Limit (MHz)  | Verdict |
| GFSK      | SISO    | HOPP            | DH5         | 0.990                    | 0.922                | $\geq 0.922$ | Pass    |
| Pi/4DQPSK | SISO    | HOPP            | 2DH5        | 1.027                    | 1.285                | $\geq 0.857$ | Pass    |

## 4.2 Test Graph

### 4.2.1 Ant1





## 5. Number of Hopping Frequencies

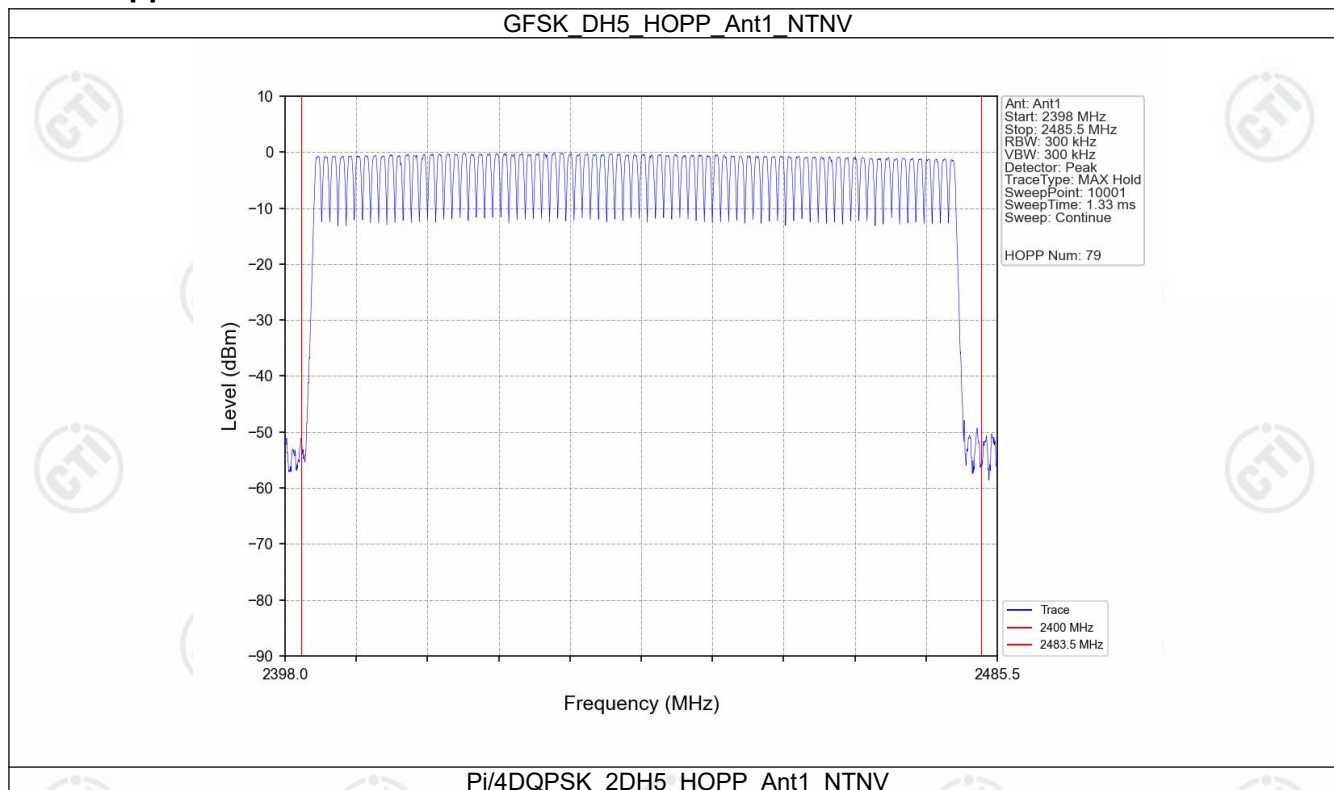
### 5.1 Test Result

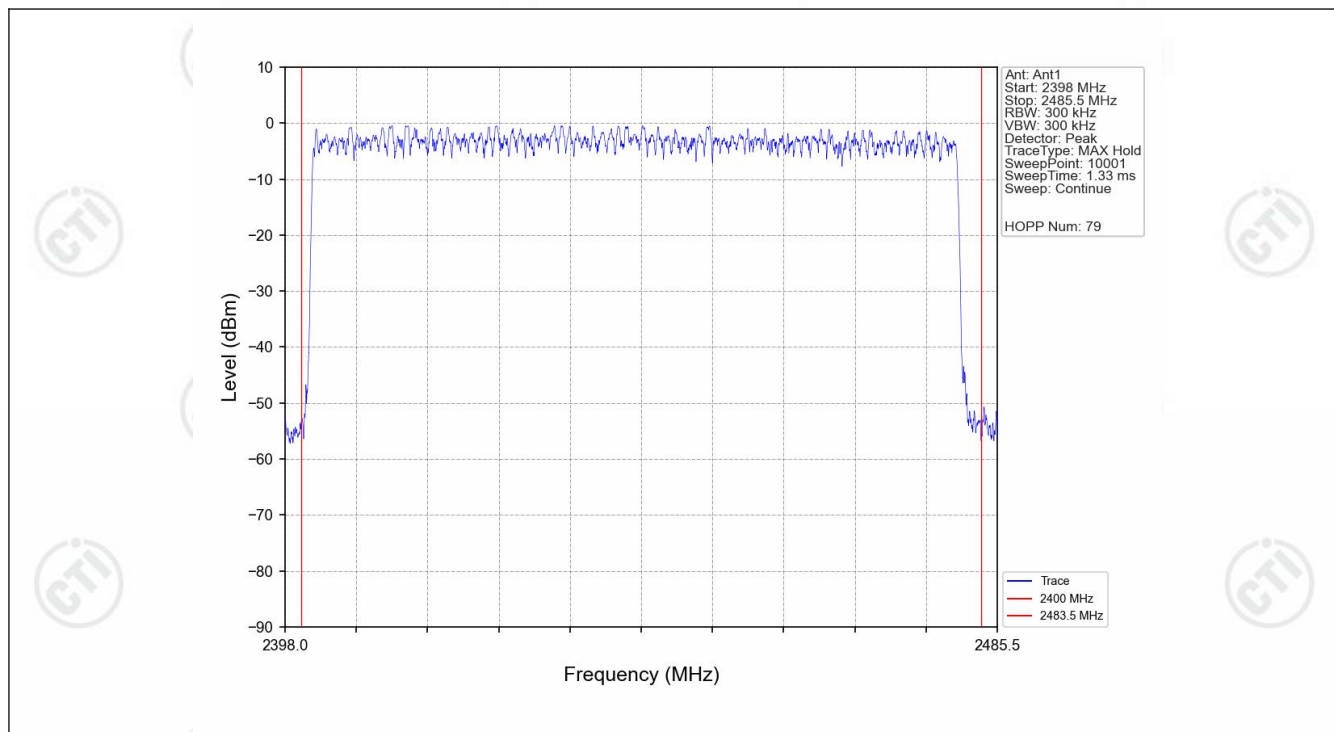
#### 5.1.1 HoppNum

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

## 5.2 Test Graph

### 5.2.1 HoppNum





## 6. Time of Occupancy (Dwell Time)

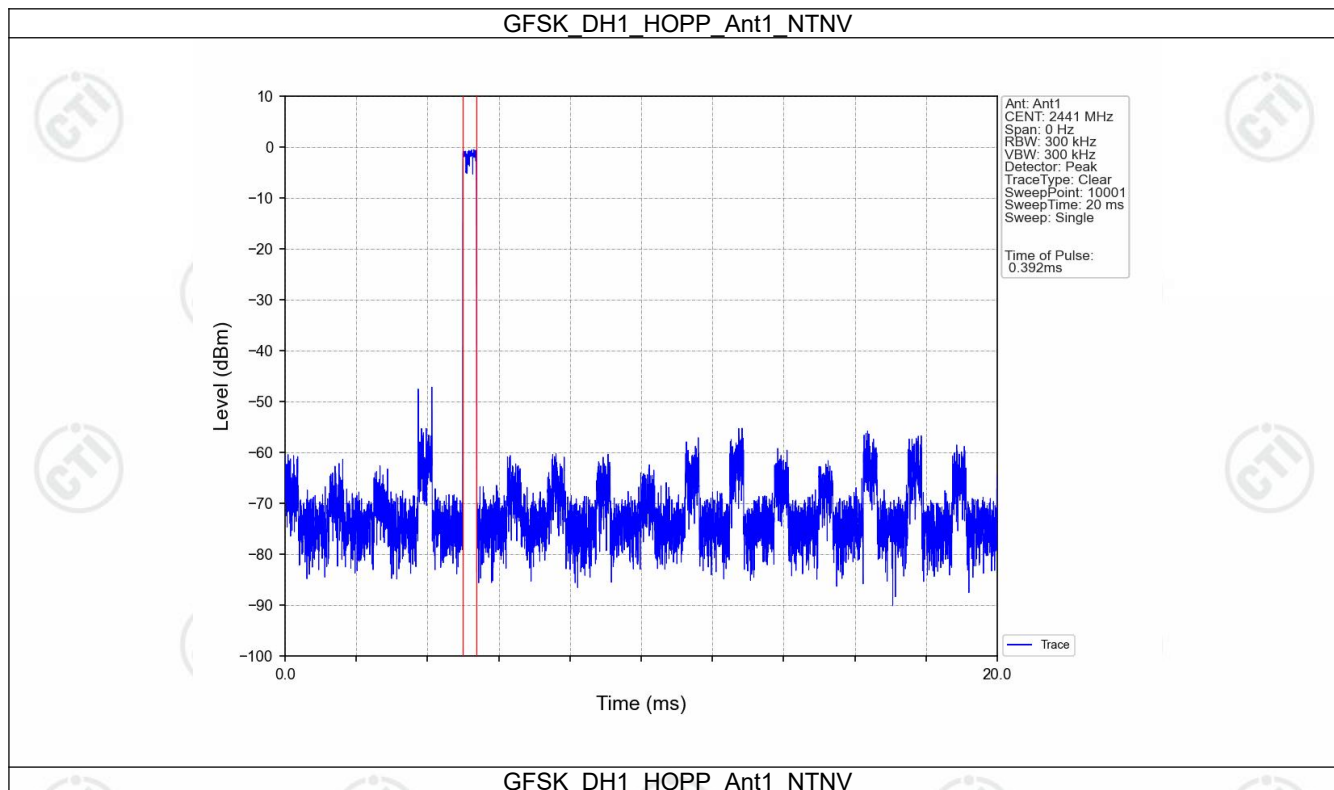
### 6.1 Test Result

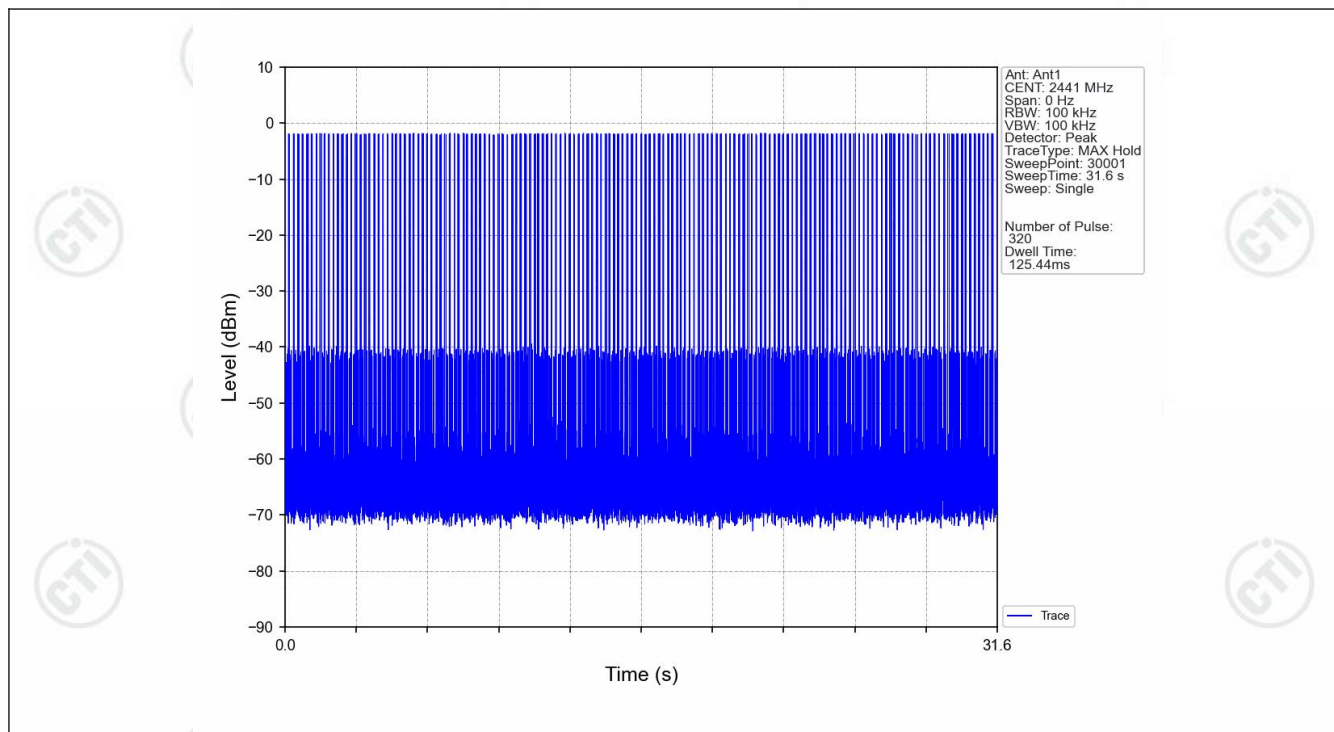
#### 6.1.1 Ant1

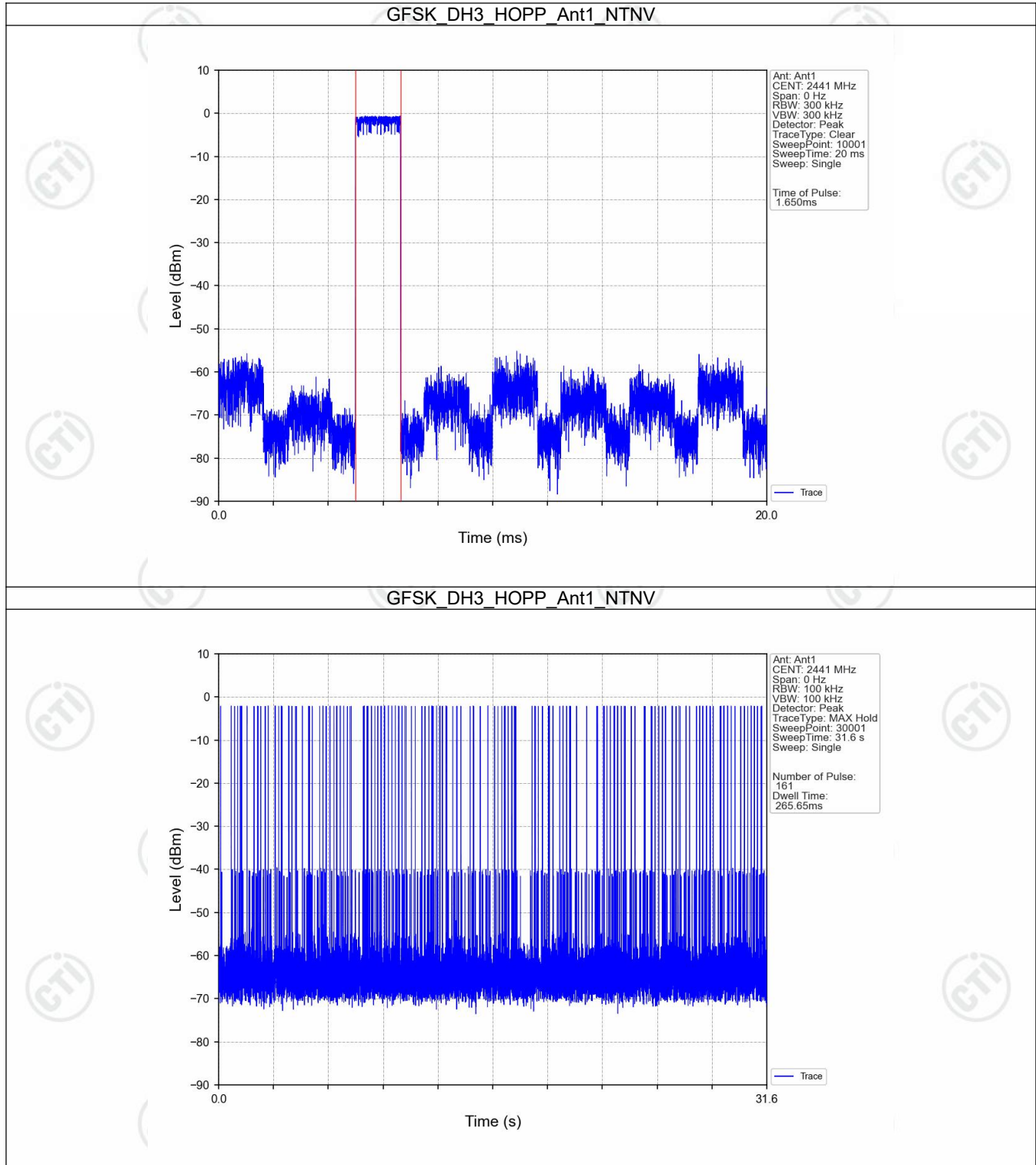
| Ant1      |         |                 |             |                               |                        |                                    |                 |            |         |
|-----------|---------|-----------------|-------------|-------------------------------|------------------------|------------------------------------|-----------------|------------|---------|
| 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         | 0.392                         | 31.600                 | 320                                | 125.440         | <=400      | Pass    |
|           |         |                 | DH3         | 1.650                         | 31.600                 | 161                                | 265.650         | <=400      | Pass    |
|           |         |                 | DH5         | 2.896                         | 31.600                 | 101                                | 292.496         | <=400      | Pass    |
| Pi/4DQPSK | SISO    | HOPP            | 2DH1        | 0.402                         | 31.600                 | 320                                | 128.640         | <=400      | Pass    |
|           |         |                 | 2DH3        | 1.654                         | 31.600                 | 164                                | 271.256         | <=400      | Pass    |
|           |         |                 | 2DH5        | 2.904                         | 31.600                 | 106                                | 307.824         | <=400      | Pass    |

## 6.2 Test Graph

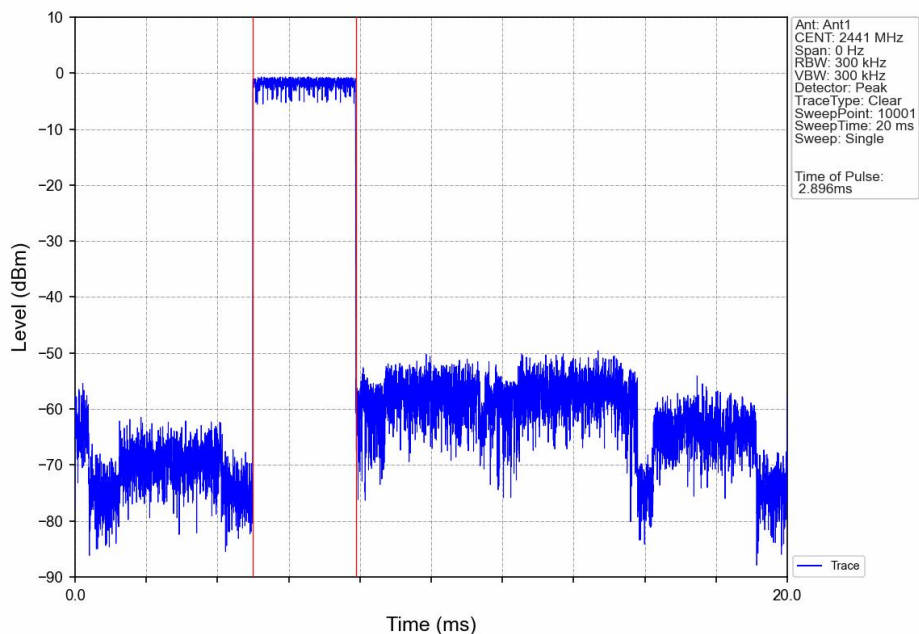
### 6.2.1 Ant1



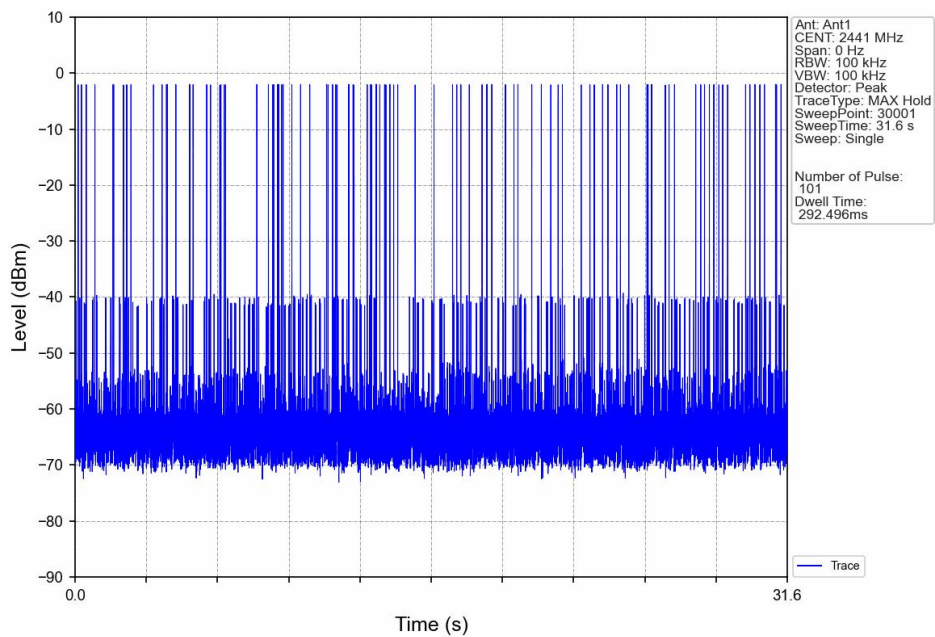


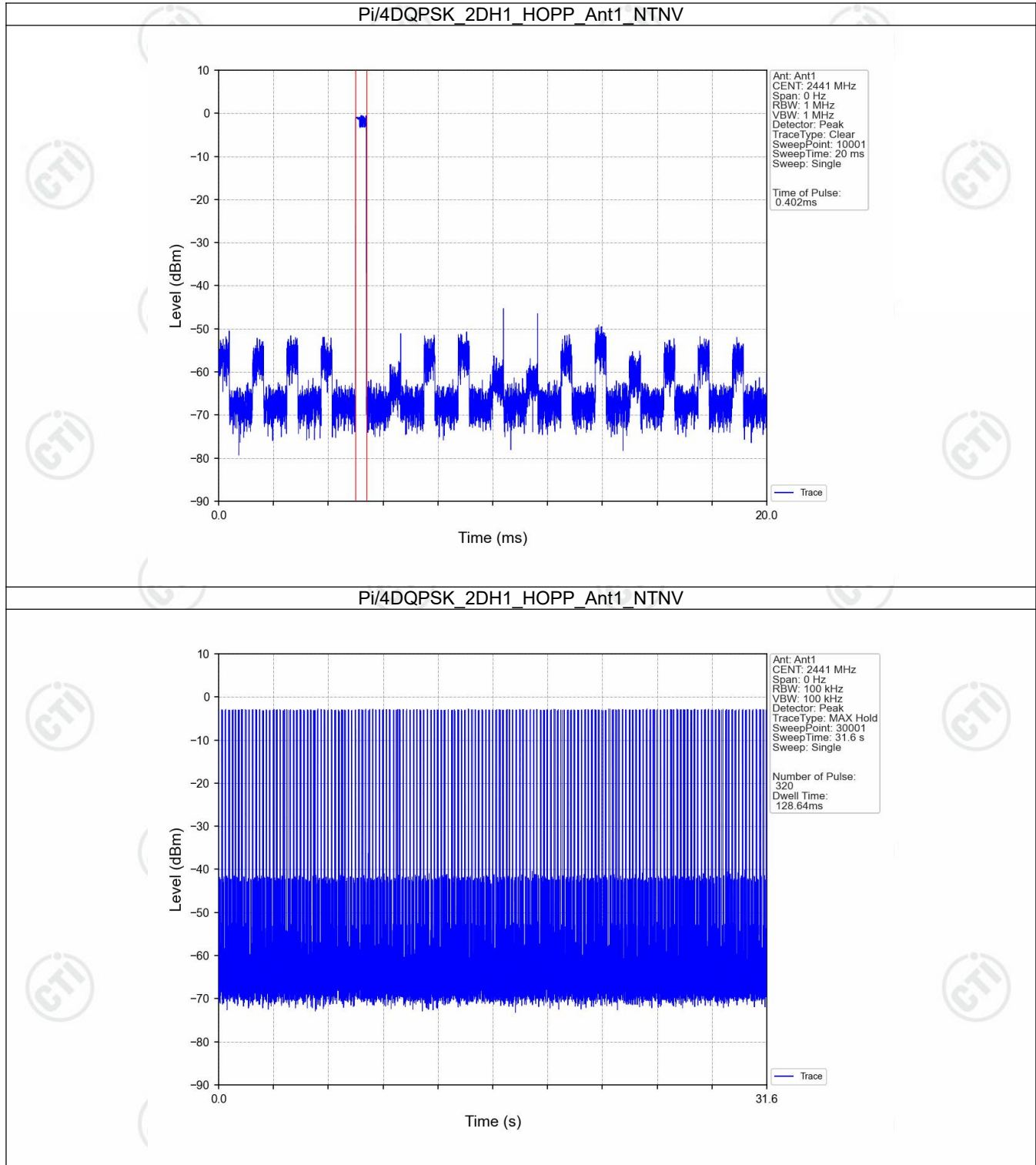


GFSK\_DH5\_HOPP\_Ant1\_NTNV

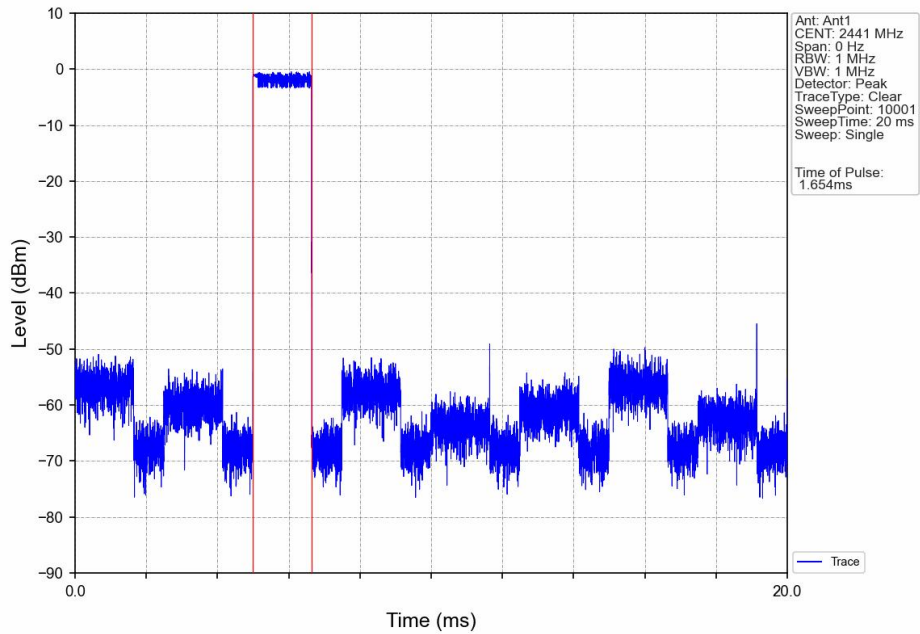


GFSK\_DH5\_HOPP\_Ant1\_NTNV

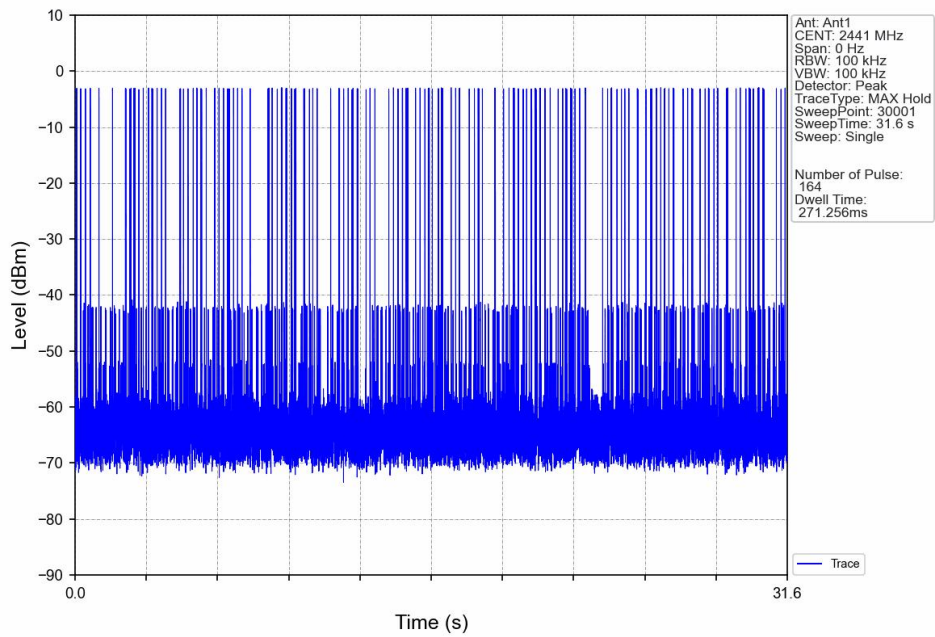




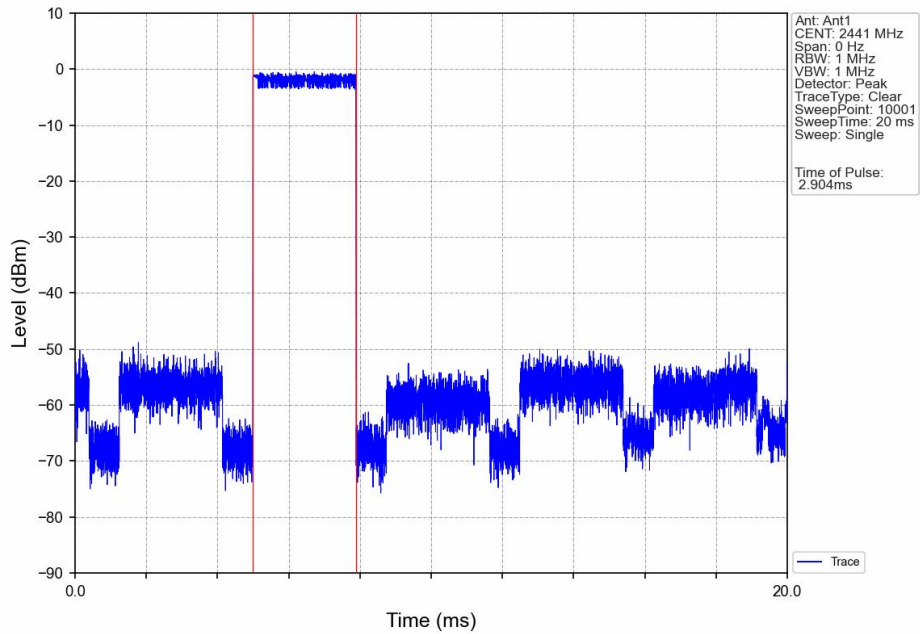
Pi/4DQPSK\_2DH3\_HOPP\_Ant1\_NTNV



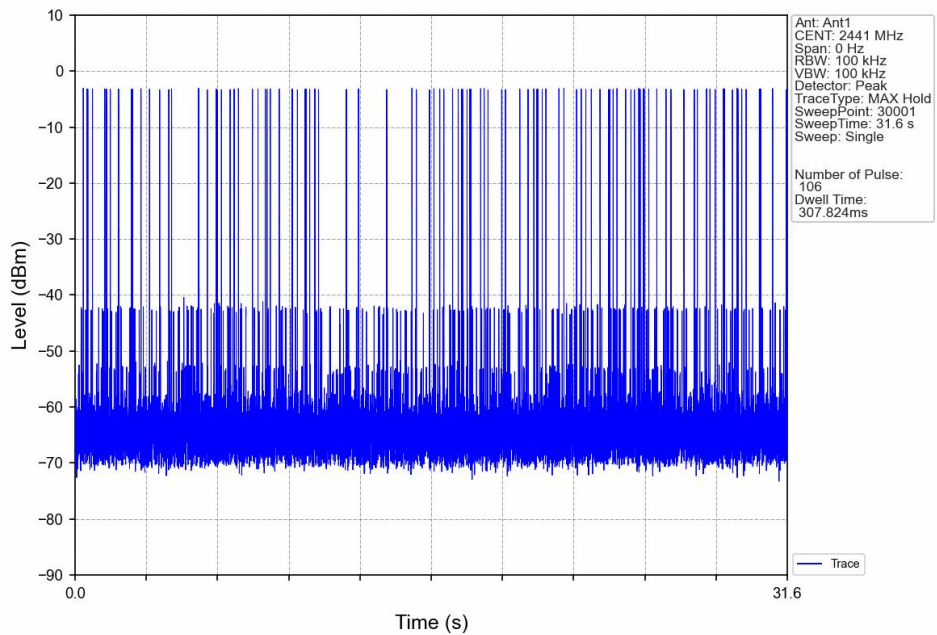
Pi/4DQPSK\_2DH3\_HOPP\_Ant1\_NTNV



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



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



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

### 7.1 Test Result

#### 7.1.1 Ref

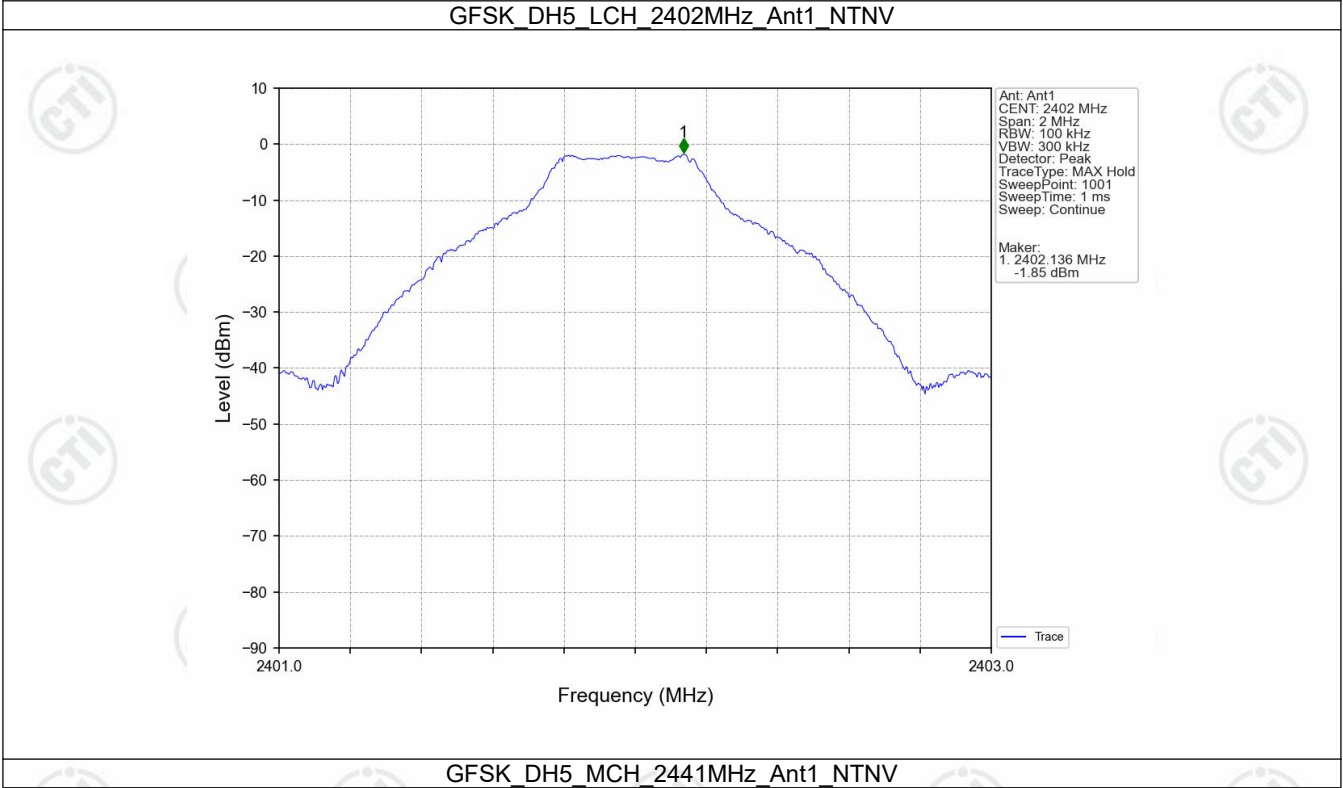
| Mode      | TX Type | Frequency (MHz) | Packet Type | ANT | Level of Reference (dBm) |
|-----------|---------|-----------------|-------------|-----|--------------------------|
| GFSK      | SISO    | 2402            | DH5         | 1   | -1.85                    |
|           |         | 2441            | DH5         | 1   | -1.47                    |
|           |         | 2480            | DH5         | 1   | -2.21                    |
| Pi/4DQPSK | SISO    | 2402            | 2DH5        | 1   | -1.91                    |
|           |         | 2441            | 2DH5        | 1   | -1.38                    |
|           |         | 2480            | 2DH5        | 1   | -2.25                    |

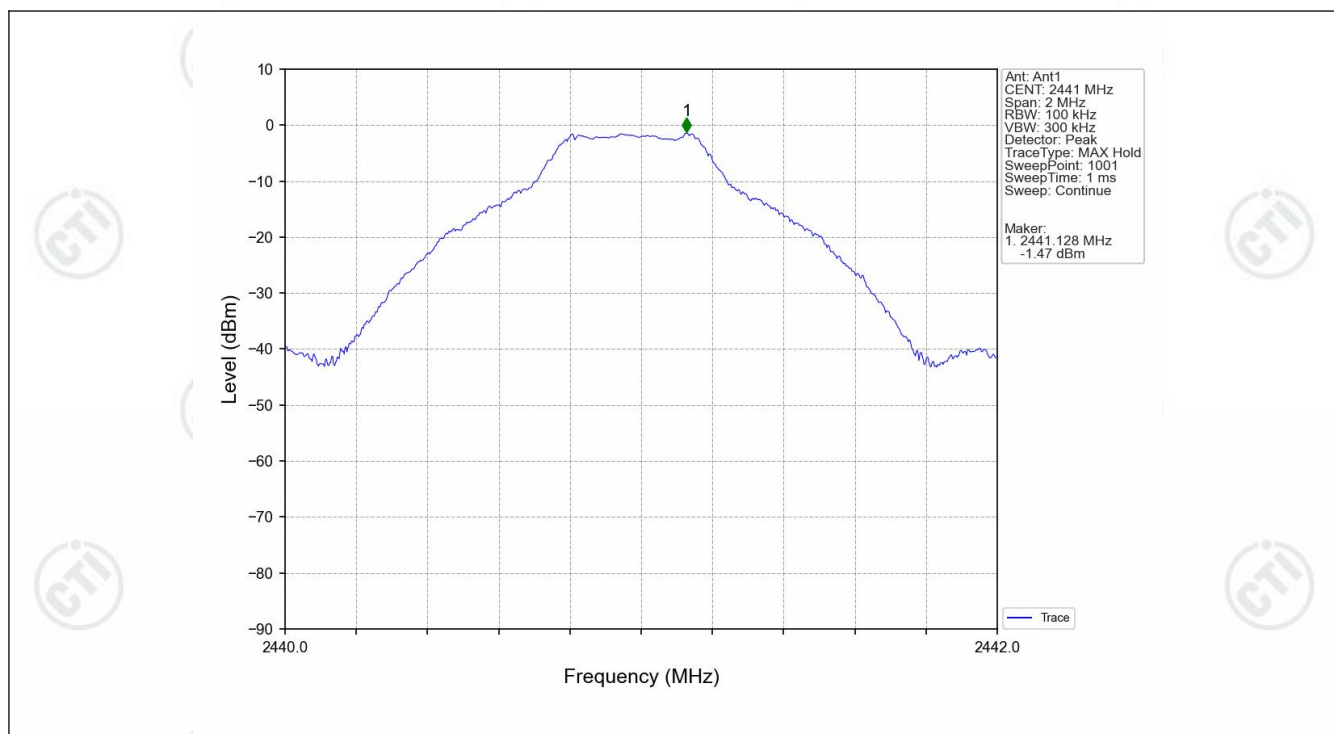
#### 7.1.2 CSE

| Mode      | TX Type | Frequency (MHz) | Packet Type | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|-----------|---------|-----------------|-------------|-----|--------------------------|-------------|---------|
| GFSK      | SISO    | 2402            | DH5         | 1   | -1.47                    | -21.47      | Pass    |
|           |         | 2441            | DH5         | 1   | -1.47                    | -21.47      | Pass    |
|           |         | 2480            | DH5         | 1   | -1.47                    | -21.47      | Pass    |
|           |         | HOPP            | DH5         | 1   | -1.47                    | -21.47      | Pass    |
|           |         |                 |             |     | -1.47                    | -21.47      | Pass    |
| Pi/4DQPSK | SISO    | 2402            | 2DH5        | 1   | -1.38                    | -21.38      | Pass    |
|           |         | 2441            | 2DH5        | 1   | -1.38                    | -21.38      | Pass    |
|           |         | 2480            | 2DH5        | 1   | -1.38                    | -21.38      | Pass    |
|           |         | HOPP            | 2DH5        | 1   | -1.38                    | -21.38      | Pass    |
|           |         |                 |             |     | -1.38                    | -21.38      | Pass    |

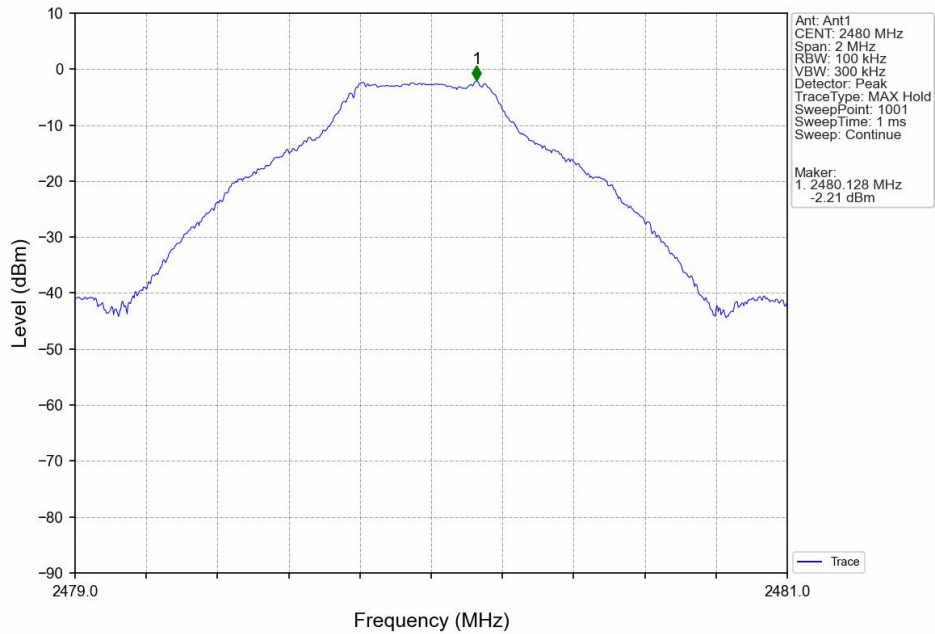
7.2 Test Graph

7.2.1 Ref





GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV



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

