

## 4. Number of Hopping Frequencies

### 4.1 Test Result

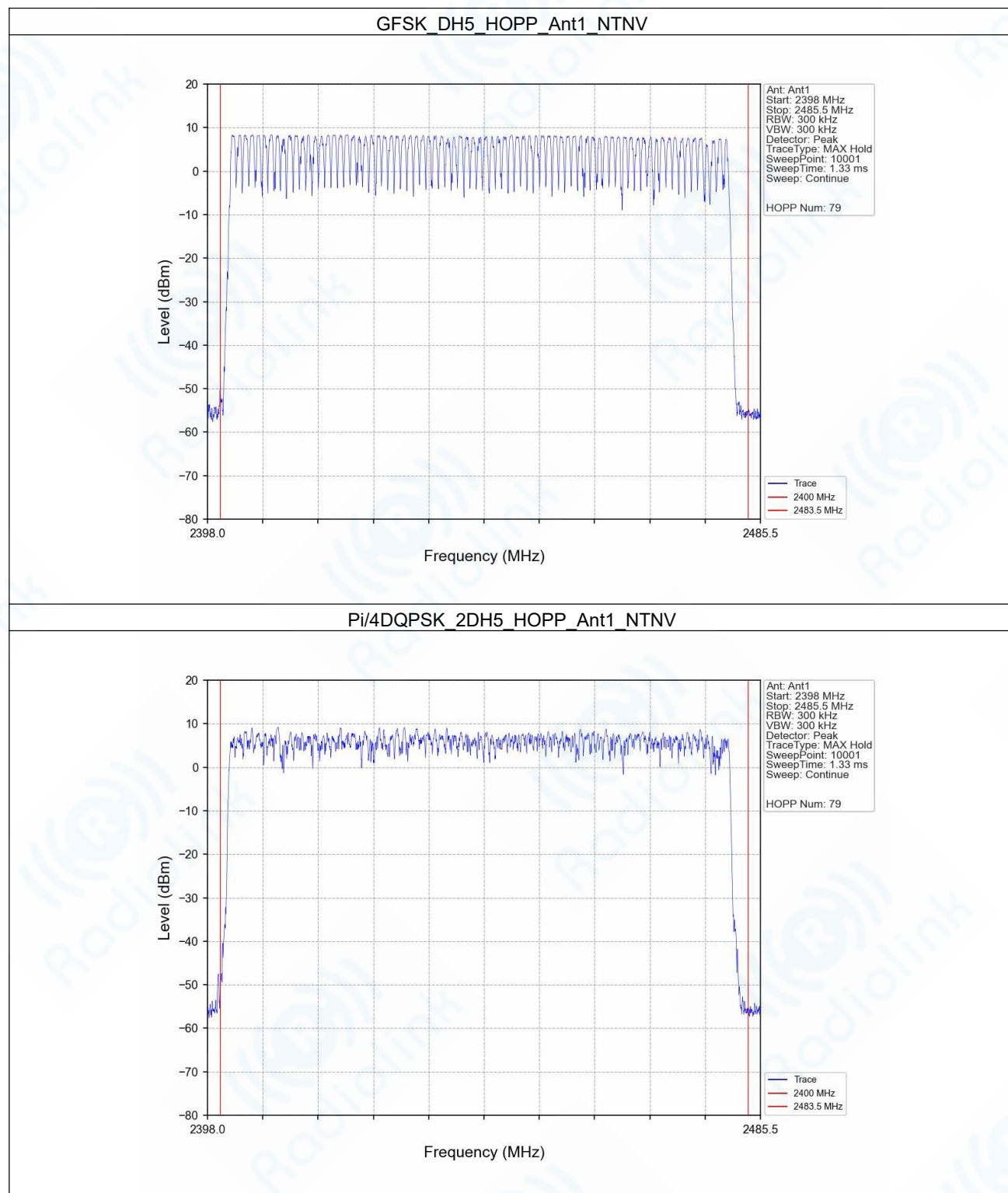
#### 4.1.1 HoppNum

| 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    |
| 8DPSK     | SISO    | HOPP            | 3DH5        | 79                         | $\geq 15$ | Pass    |



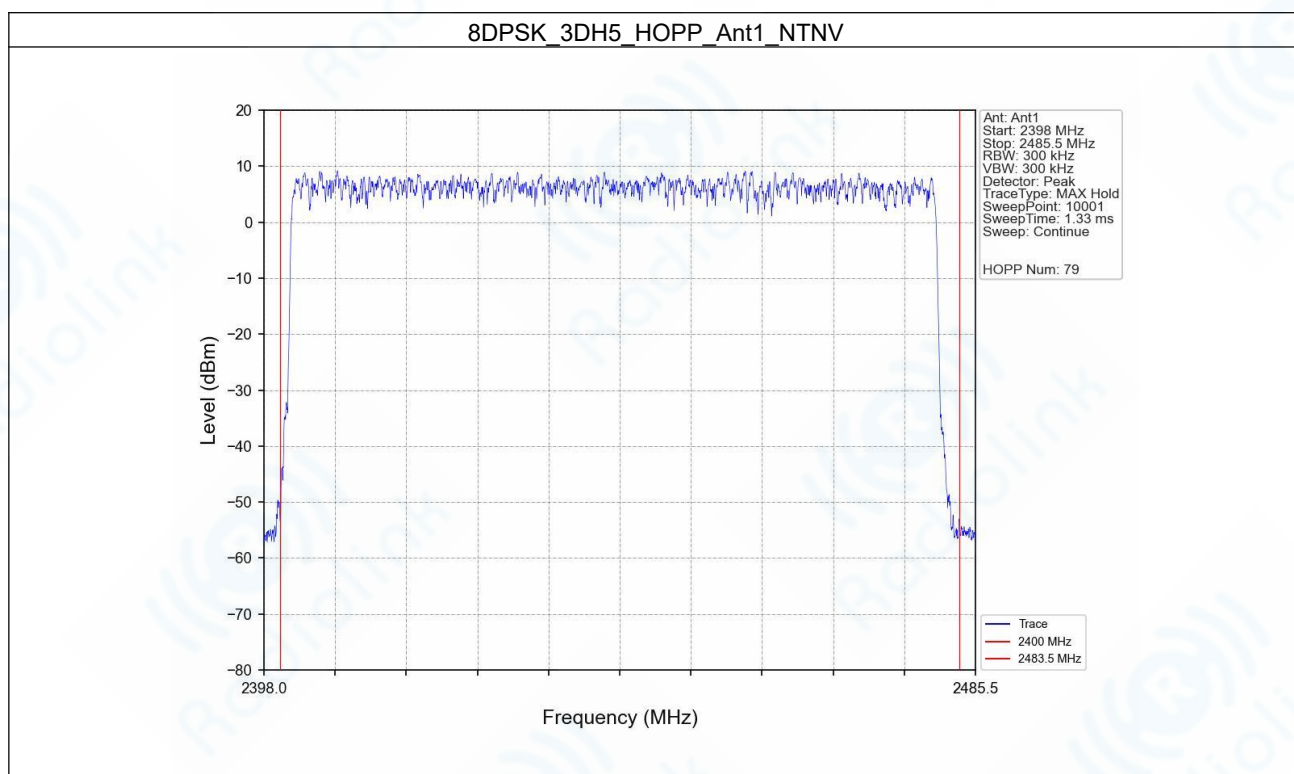
## 4.2 Test Graph

### 4.2.1 HoppNum



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## 5. Time of Occupancy (Dwell Time)

### 5.1 Test Result

#### 5.1.1 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         | 0.400                         | 31.600                 | 320                                | 128.000         | <=400      | Pass    |
|           |         |                 | DH3         | 1.654                         | 31.600                 | 153                                | 253.062         | <=400      | Pass    |
|           |         |                 | DH5         | 2.902                         | 31.600                 | 115                                | 333.730         | <=400      | Pass    |
| Pi/4DQPSK | SISO    | HOPP            | 2DH1        | 0.396                         | 31.600                 | 319                                | 126.324         | <=400      | Pass    |
|           |         |                 | 2DH3        | 1.648                         | 31.600                 | 153                                | 252.144         | <=400      | Pass    |
|           |         |                 | 2DH5        | 2.904                         | 31.600                 | 97                                 | 281.688         | <=400      | Pass    |
| 8DPSK     | SISO    | HOPP            | 3DH1        | 0.394                         | 31.600                 | 320                                | 126.080         | <=400      | Pass    |
|           |         |                 | 3DH3        | 1.646                         | 31.600                 | 169                                | 278.174         | <=400      | Pass    |
|           |         |                 | 3DH5        | 2.906                         | 31.600                 | 100                                | 290.600         | <=400      | Pass    |



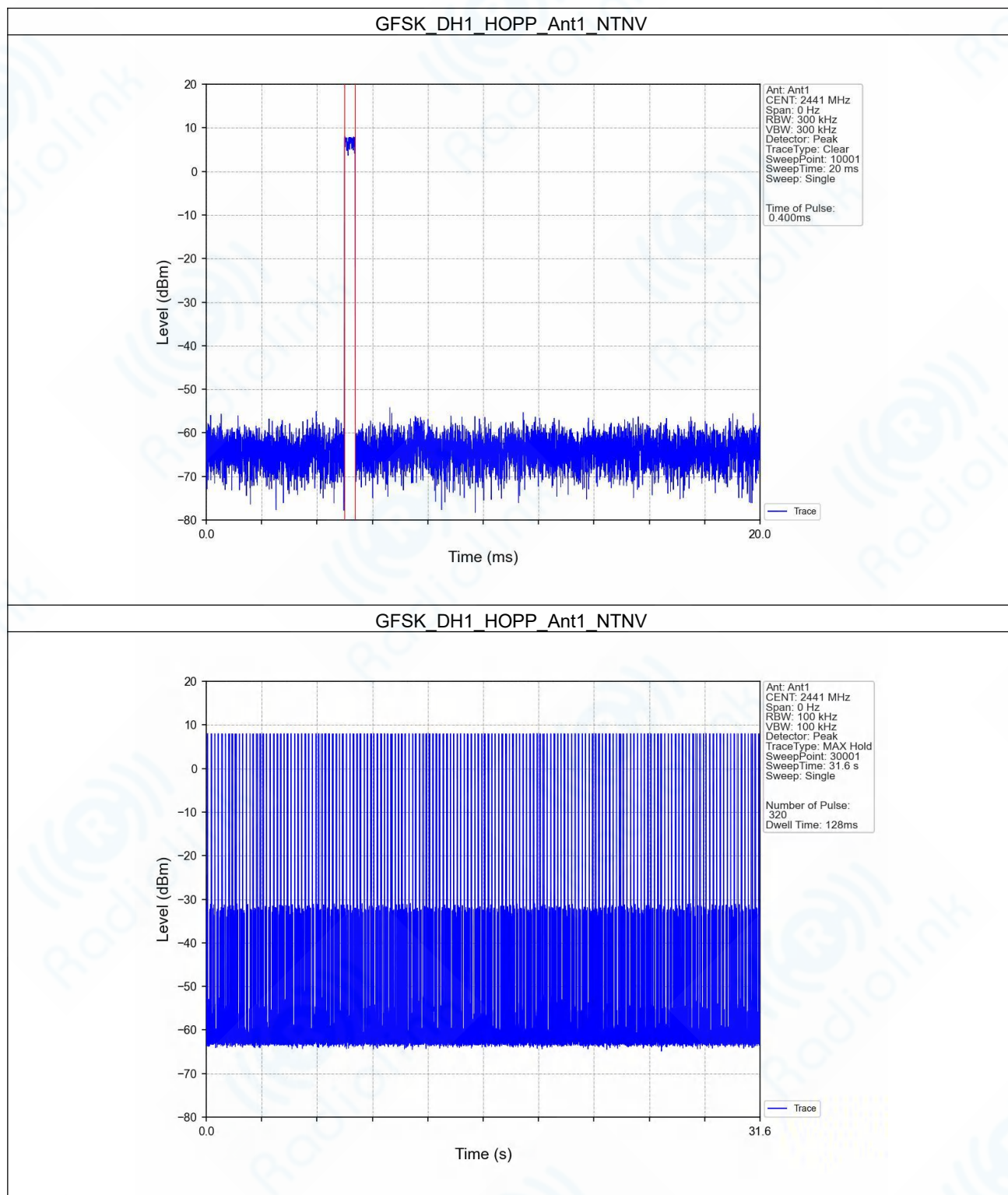
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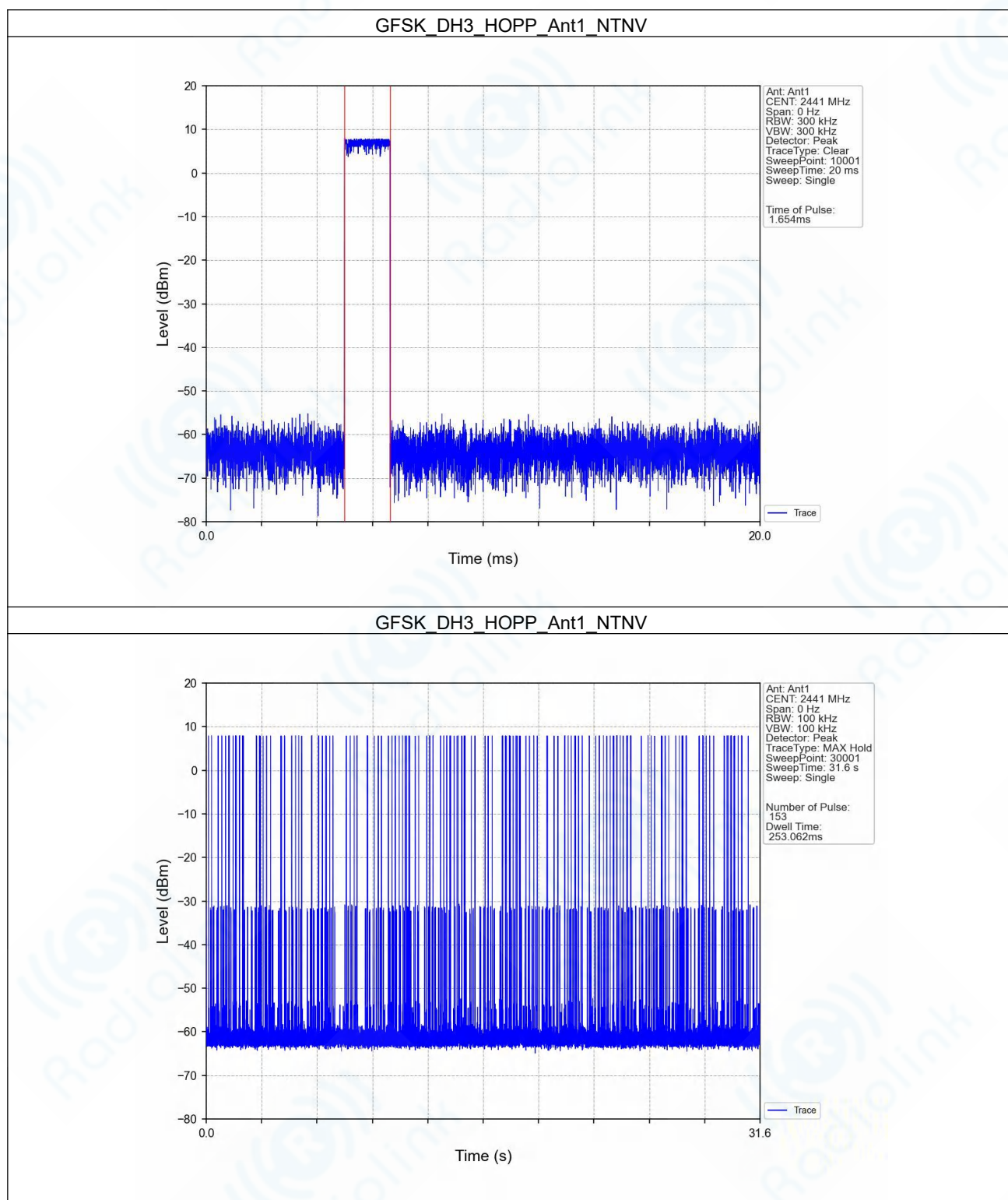
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## 5.2 Test Graph

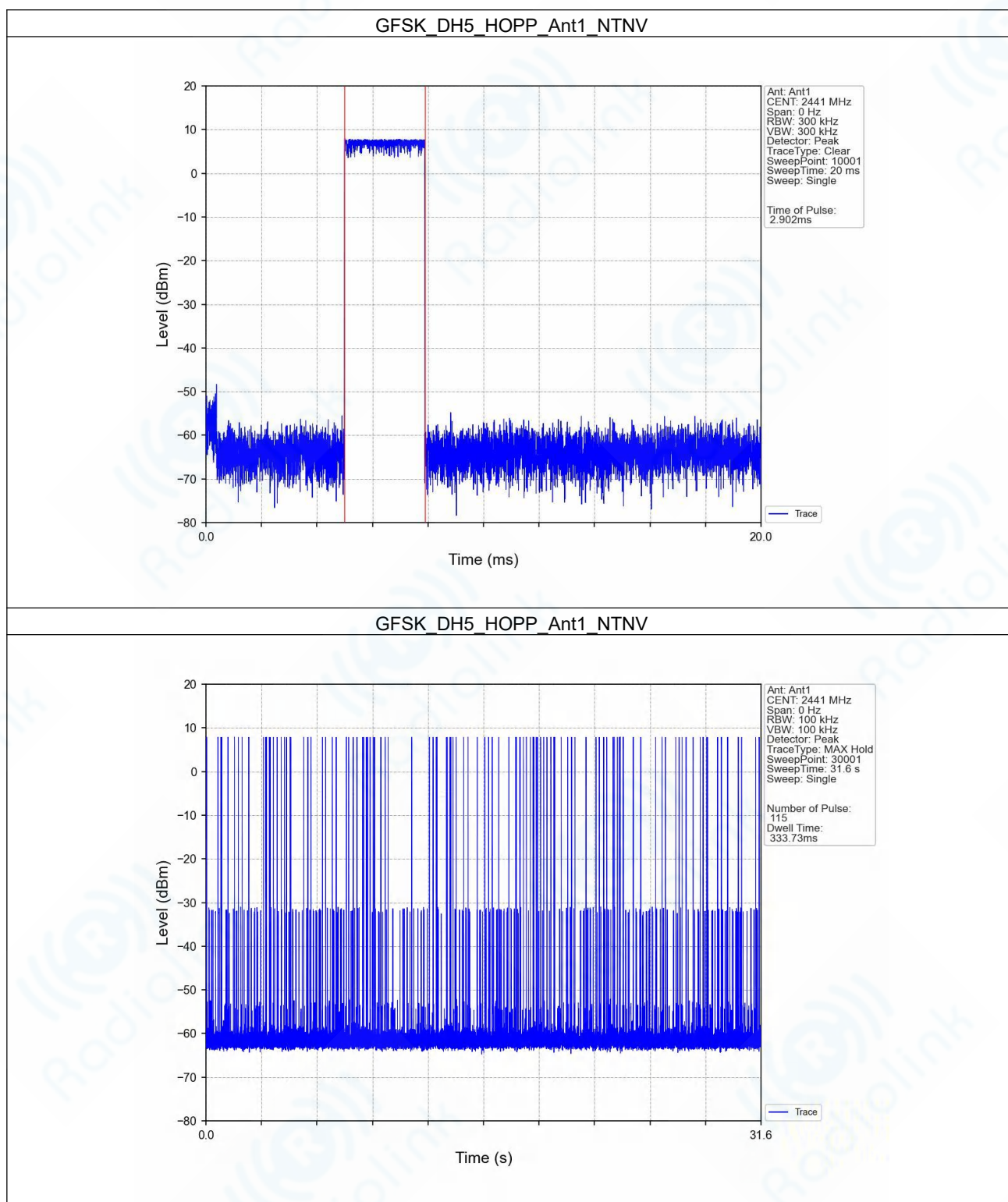
### 5.2.1 Ant1

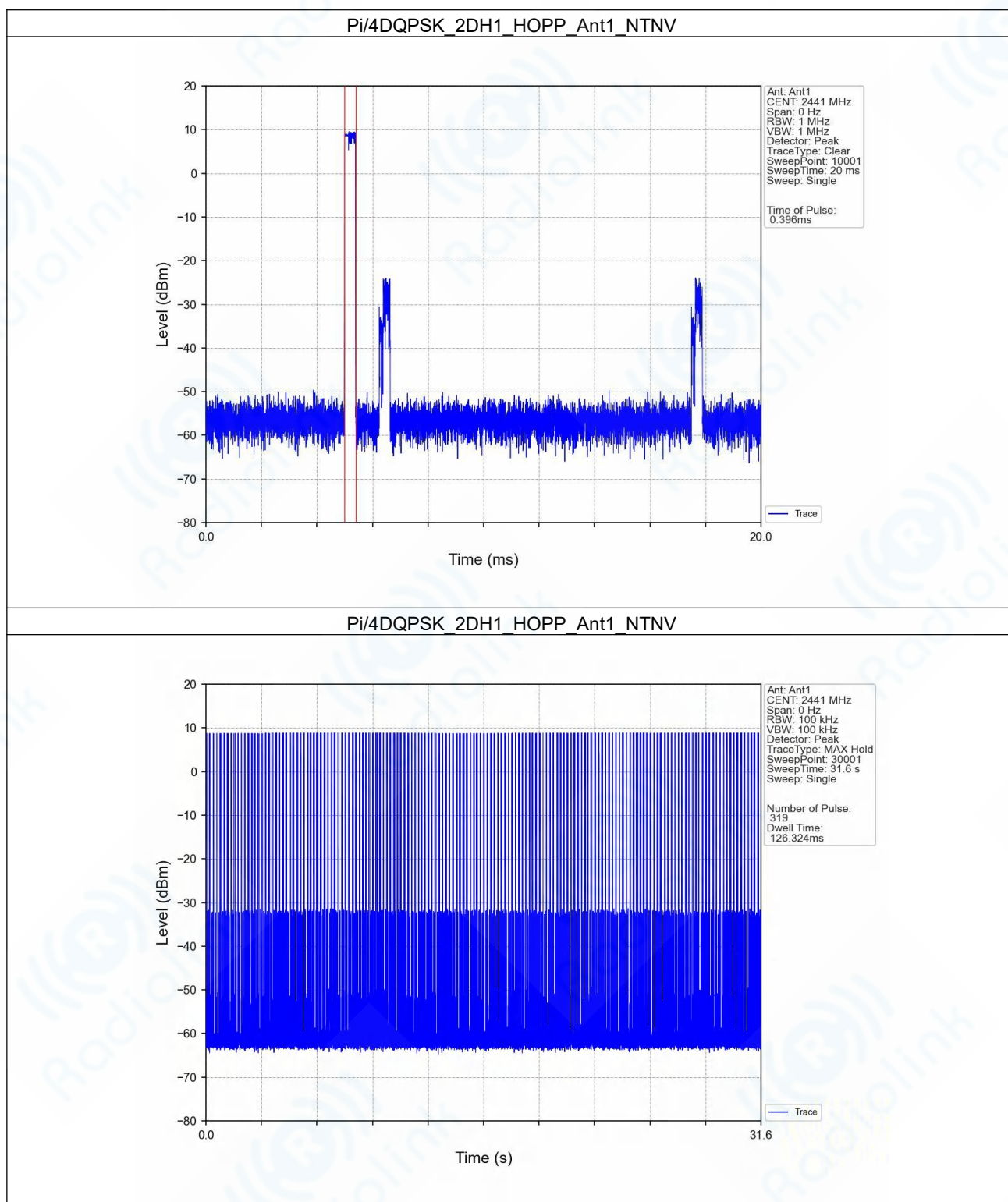


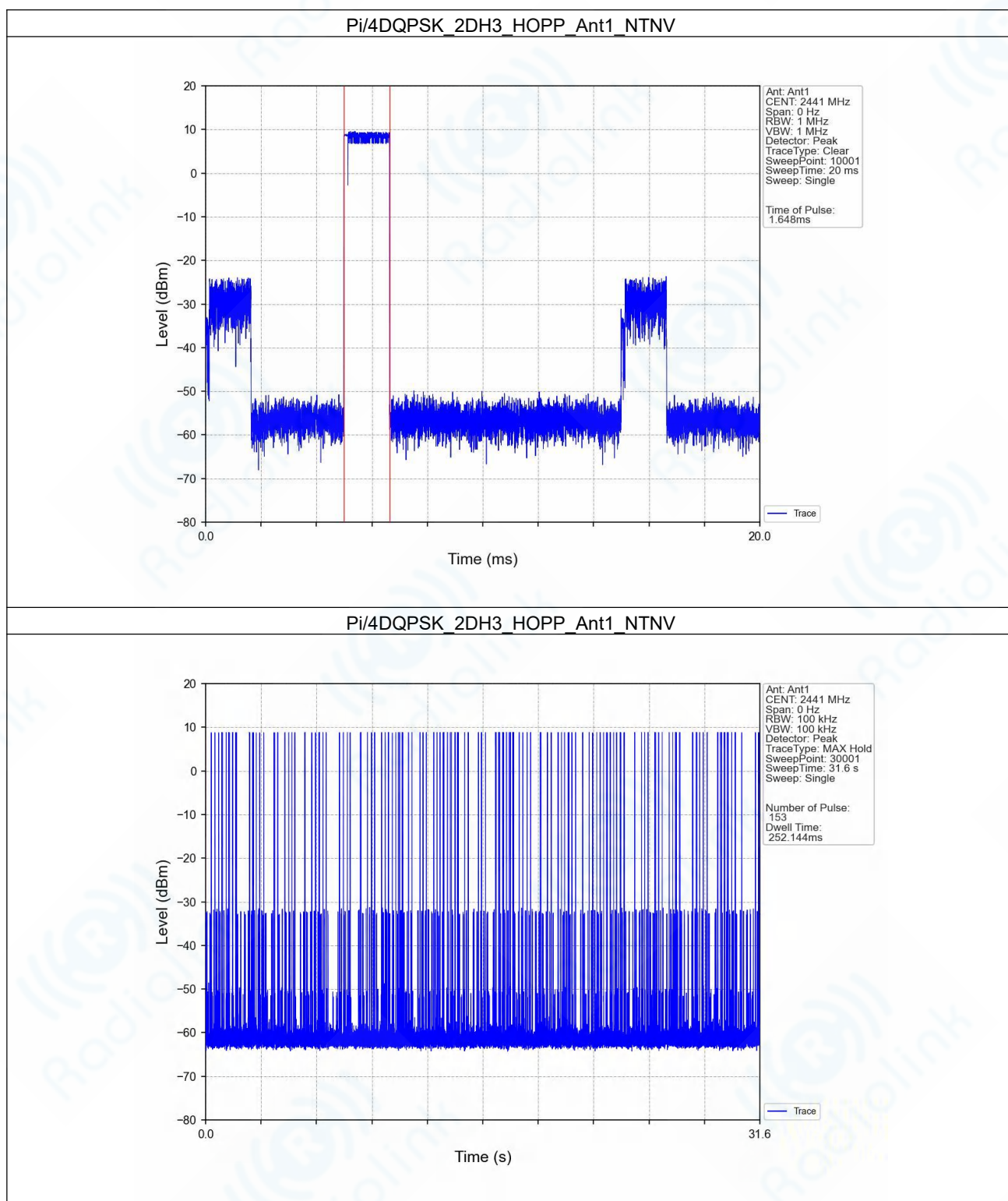


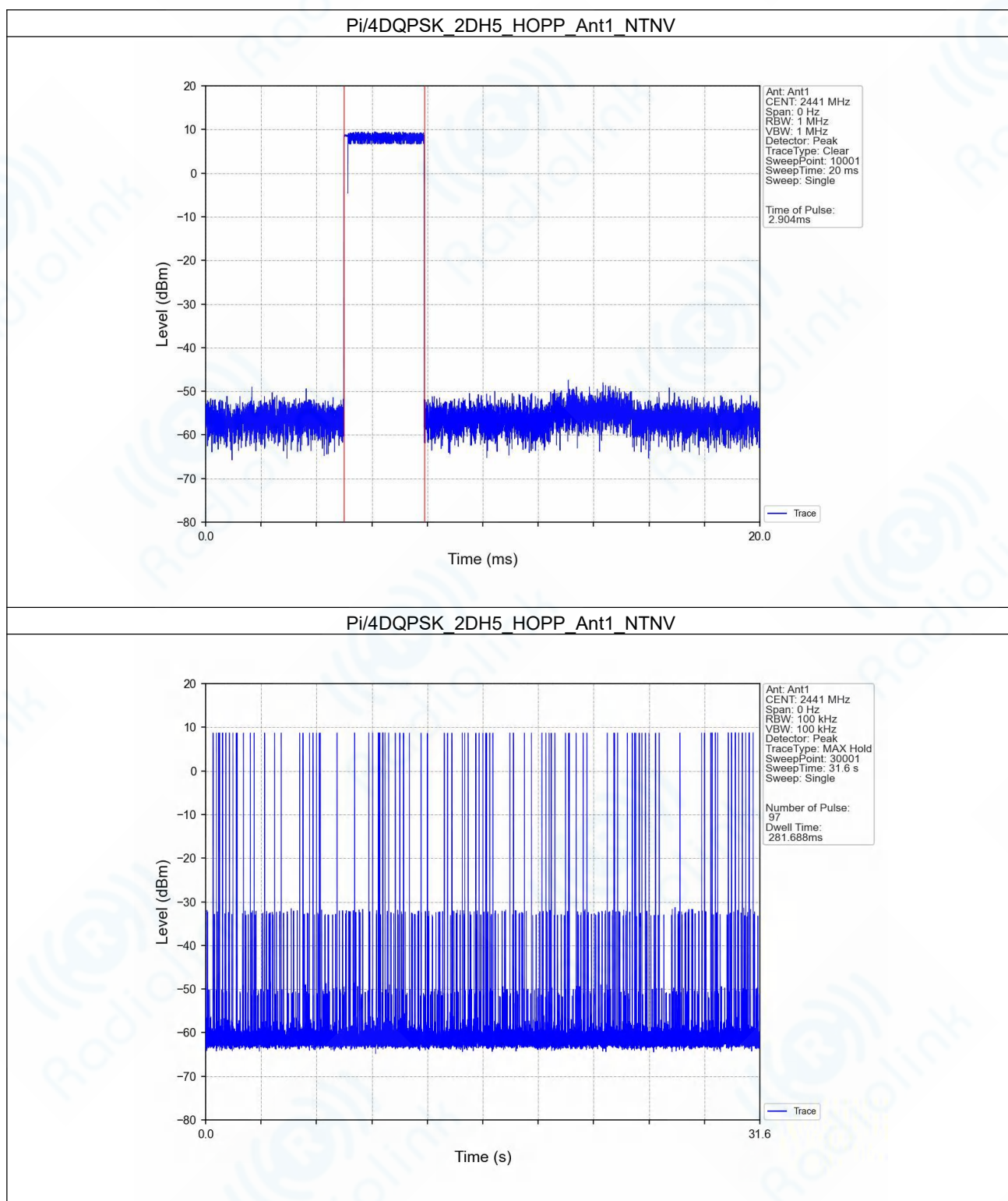
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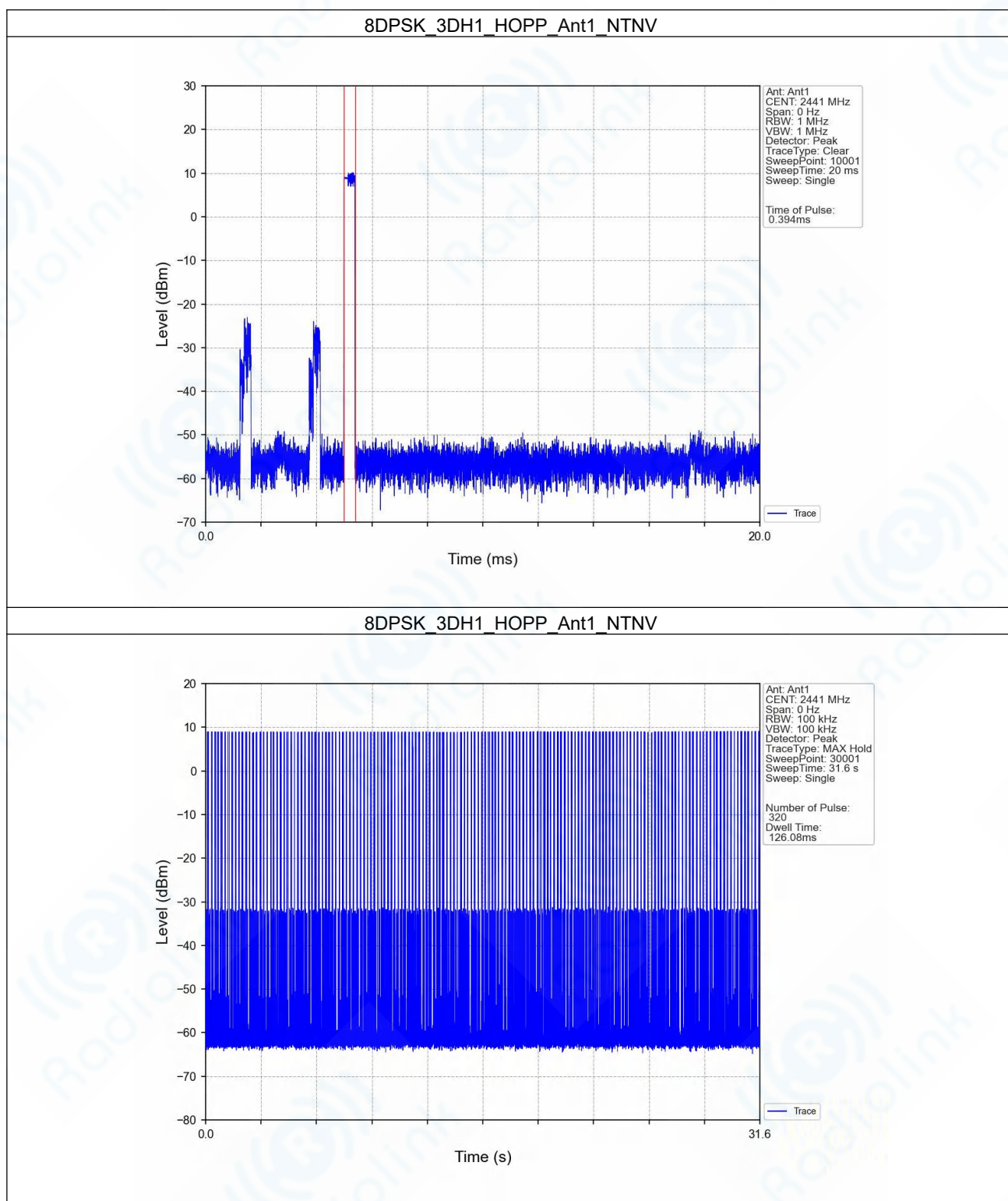
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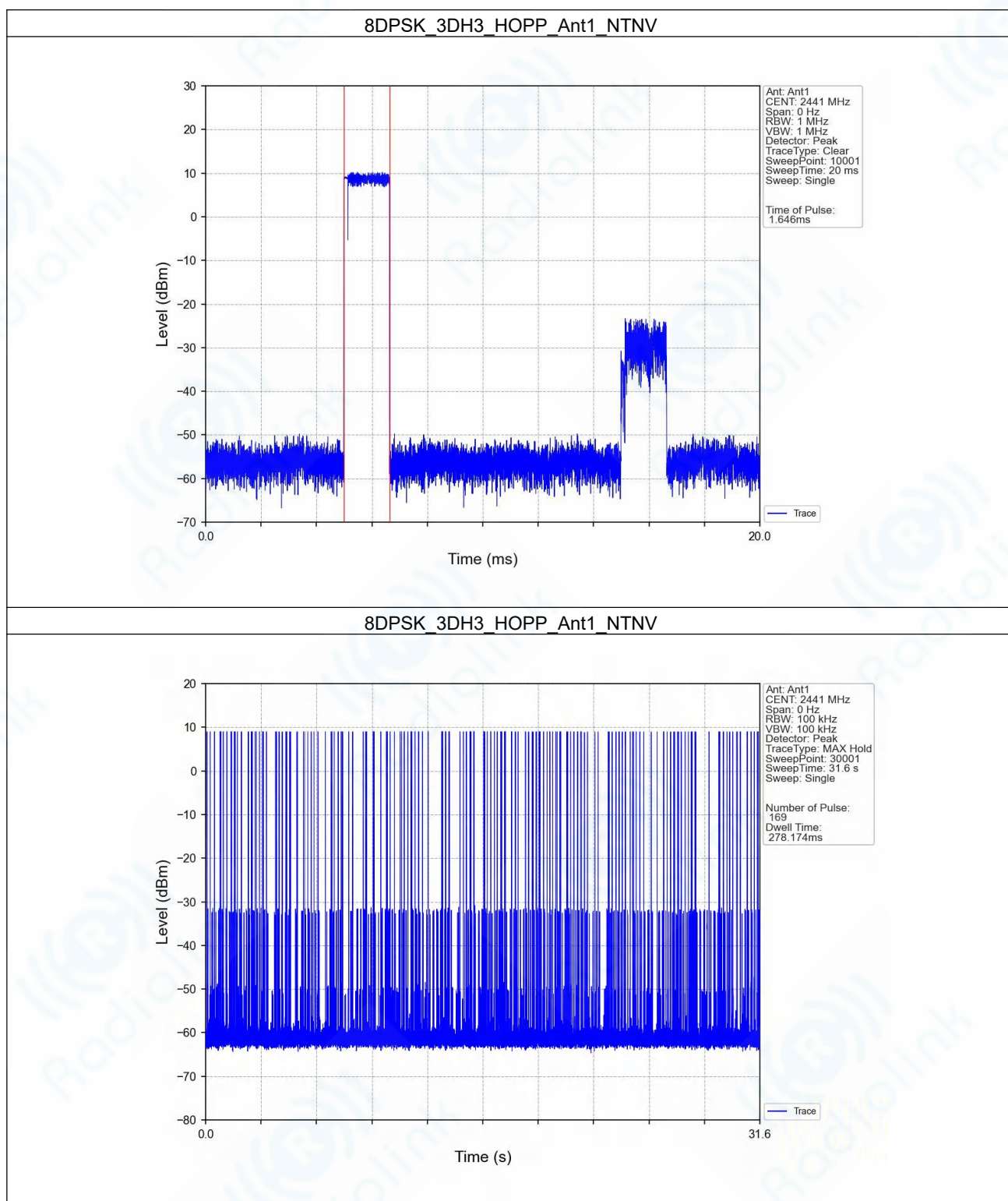






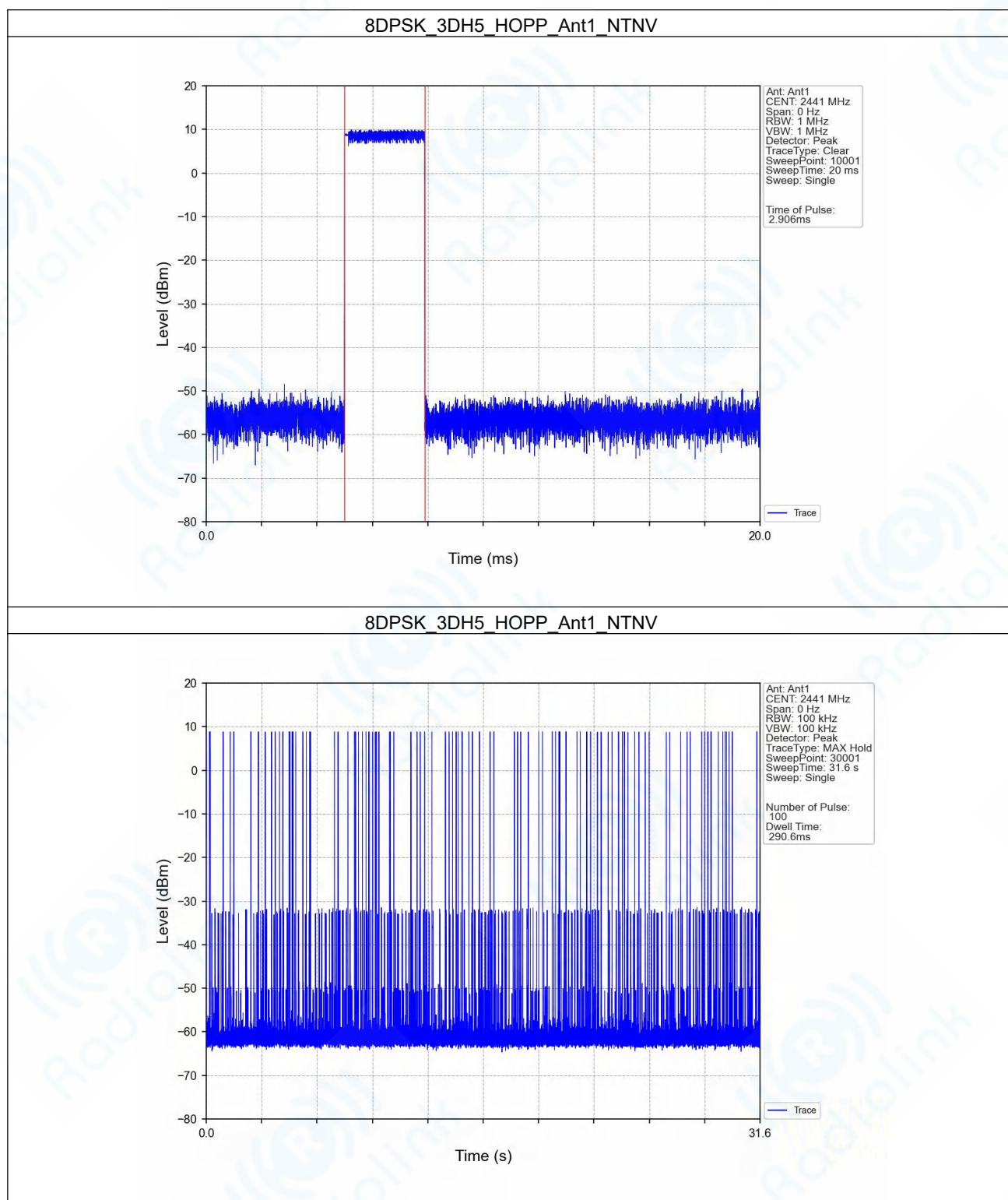






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## 6. Unwanted Emissions In Non-restricted Frequency Bands

### 6.1 Test Result

#### 6.1.1 Ref

| Mode      | TX Type | Frequency (MHz) | Packet Type | ANT | Level of Reference (dBm) |
|-----------|---------|-----------------|-------------|-----|--------------------------|
| GFSK      | SISO    | 2402            | DH5         | 1   | 6.70                     |
|           |         | 2441            | DH5         | 1   | 6.44                     |
|           |         | 2480            | DH5         | 1   | 5.42                     |
| Pi/4DQPSK | SISO    | 2402            | 2DH5        | 1   | 9.84                     |
|           |         | 2441            | 2DH5        | 1   | 9.62                     |
|           |         | 2480            | 2DH5        | 1   | 8.80                     |
| 8DPSK     | SISO    | 2402            | 3DH5        | 1   | 9.18                     |
|           |         | 2441            | 3DH5        | 1   | 9.07                     |
|           |         | 2480            | 3DH5        | 1   | 8.66                     |

#### 6.1.2 CSE

| Mode      | TX Type | Frequency (MHz) | Packet Type | ANT | Level of Reference (dBm) | Limit (dBm) | Verdict |
|-----------|---------|-----------------|-------------|-----|--------------------------|-------------|---------|
| GFSK      | SISO    | 2402            | DH5         | 1   | 6.70                     | -13.30      | Pass    |
|           |         | 2441            | DH5         | 1   | 6.70                     | -13.30      | Pass    |
|           |         | 2480            | DH5         | 1   | 6.70                     | -13.30      | Pass    |
|           |         | HOPP            | DH5         | 1   | 6.70                     | -13.30      | Pass    |
|           |         |                 |             |     | 6.70                     | -13.30      | Pass    |
| Pi/4DQPSK | SISO    | 2402            | 2DH5        | 1   | 9.84                     | -10.16      | Pass    |
|           |         | 2441            | 2DH5        | 1   | 9.84                     | -10.16      | Pass    |
|           |         | 2480            | 2DH5        | 1   | 9.84                     | -10.16      | Pass    |
|           |         | HOPP            | 2DH5        | 1   | 9.84                     | -10.16      | Pass    |
|           |         |                 |             |     | 9.84                     | -10.16      | Pass    |
| 8DPSK     | SISO    | 2402            | 3DH5        | 1   | 9.18                     | -10.82      | Pass    |
|           |         | 2441            | 3DH5        | 1   | 9.18                     | -10.82      | Pass    |
|           |         | 2480            | 3DH5        | 1   | 9.18                     | -10.82      | Pass    |
|           |         | HOPP            | 3DH5        | 1   | 9.18                     | -10.82      | Pass    |
|           |         |                 |             |     | 9.18                     | -10.82      | Pass    |



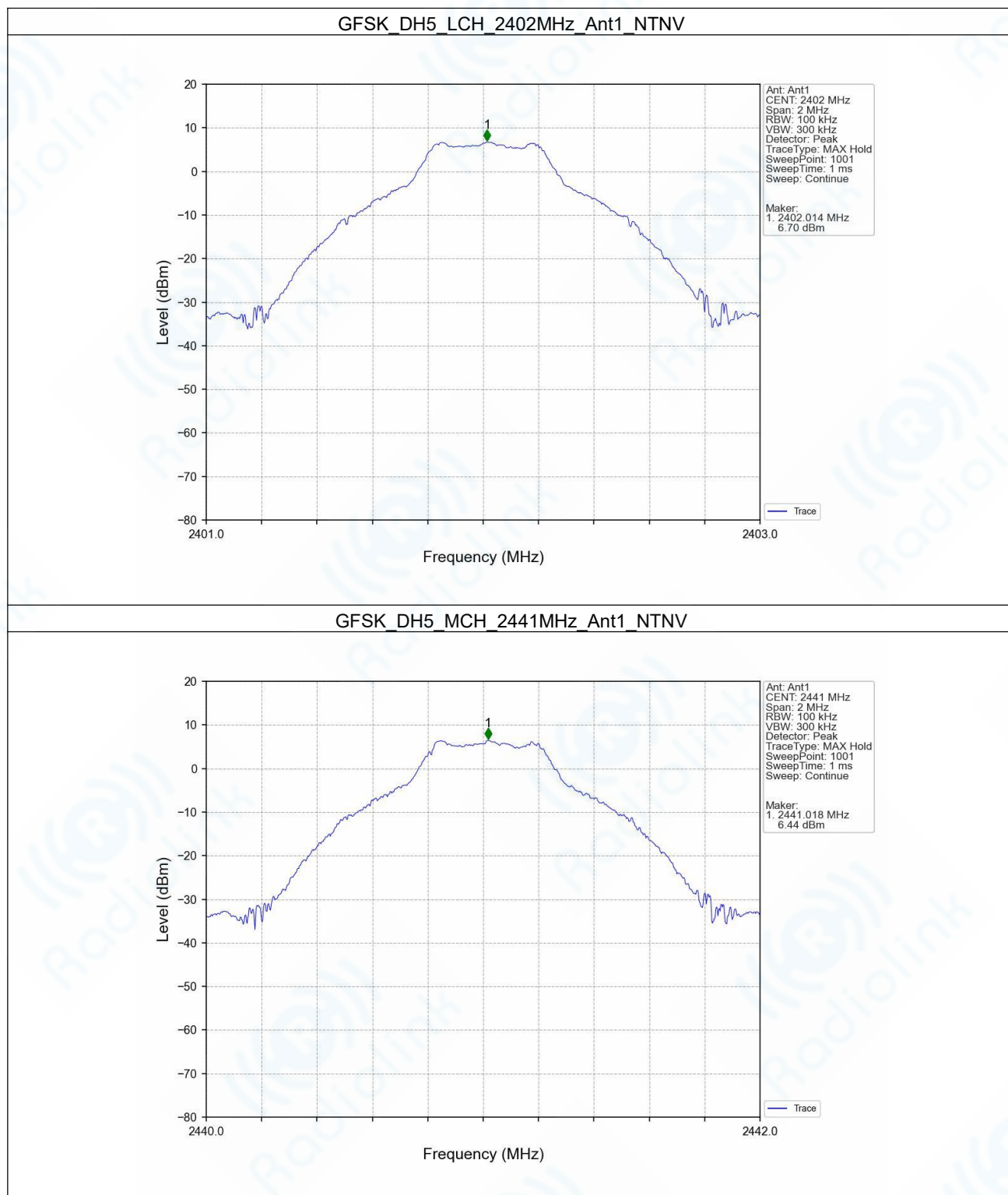
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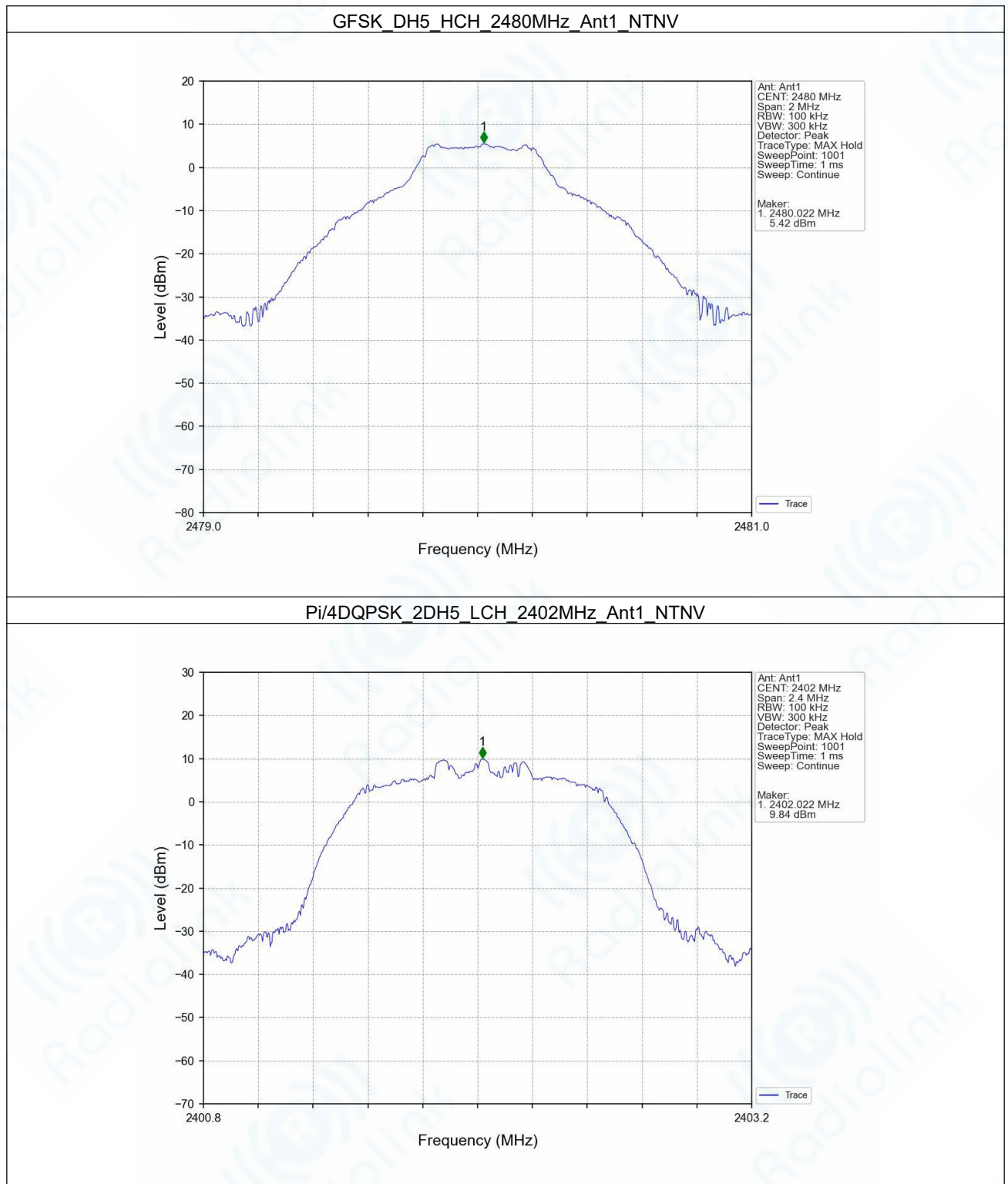
## 6.2 Test Graph

### 6.2.1 Ref

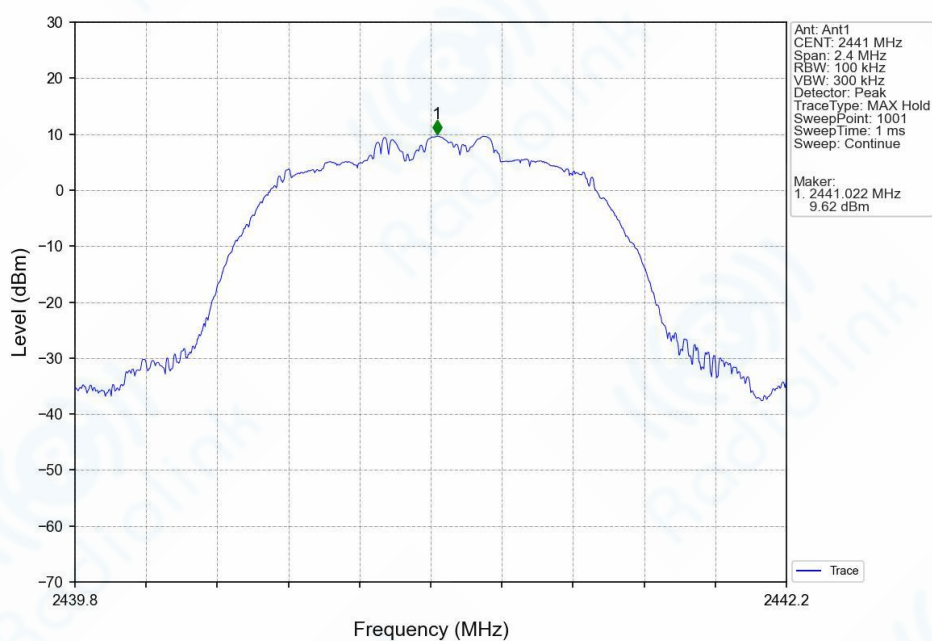


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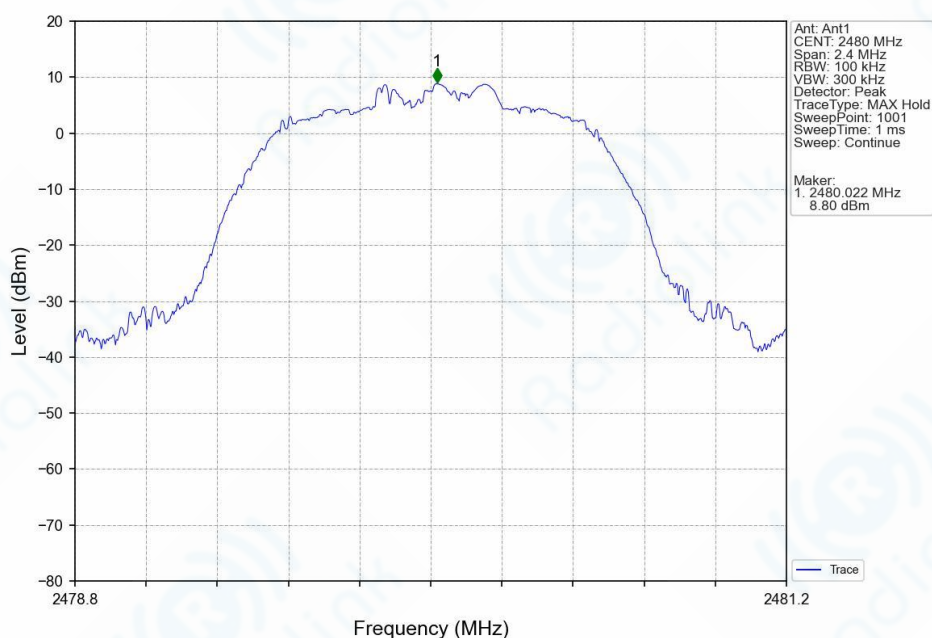
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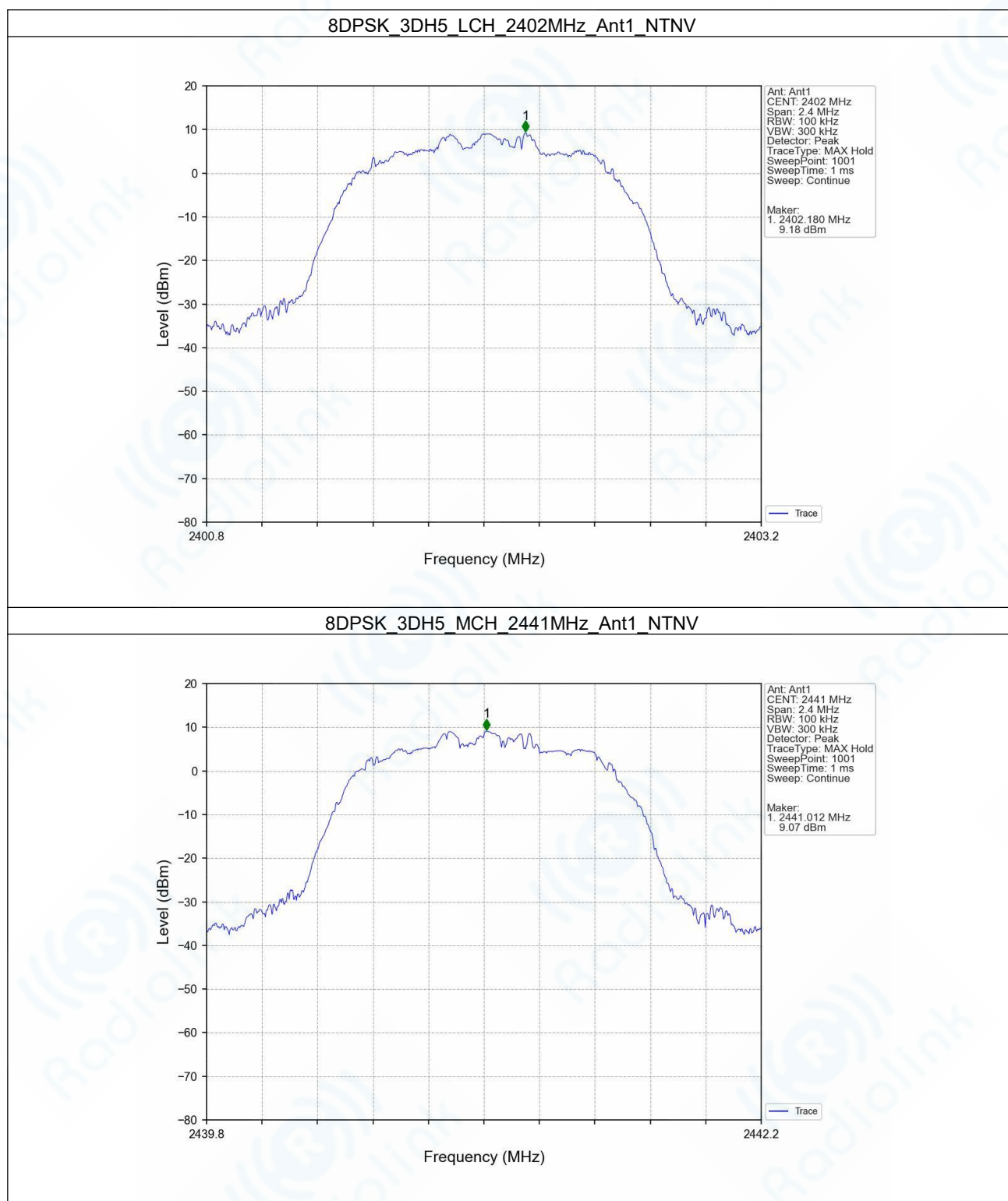


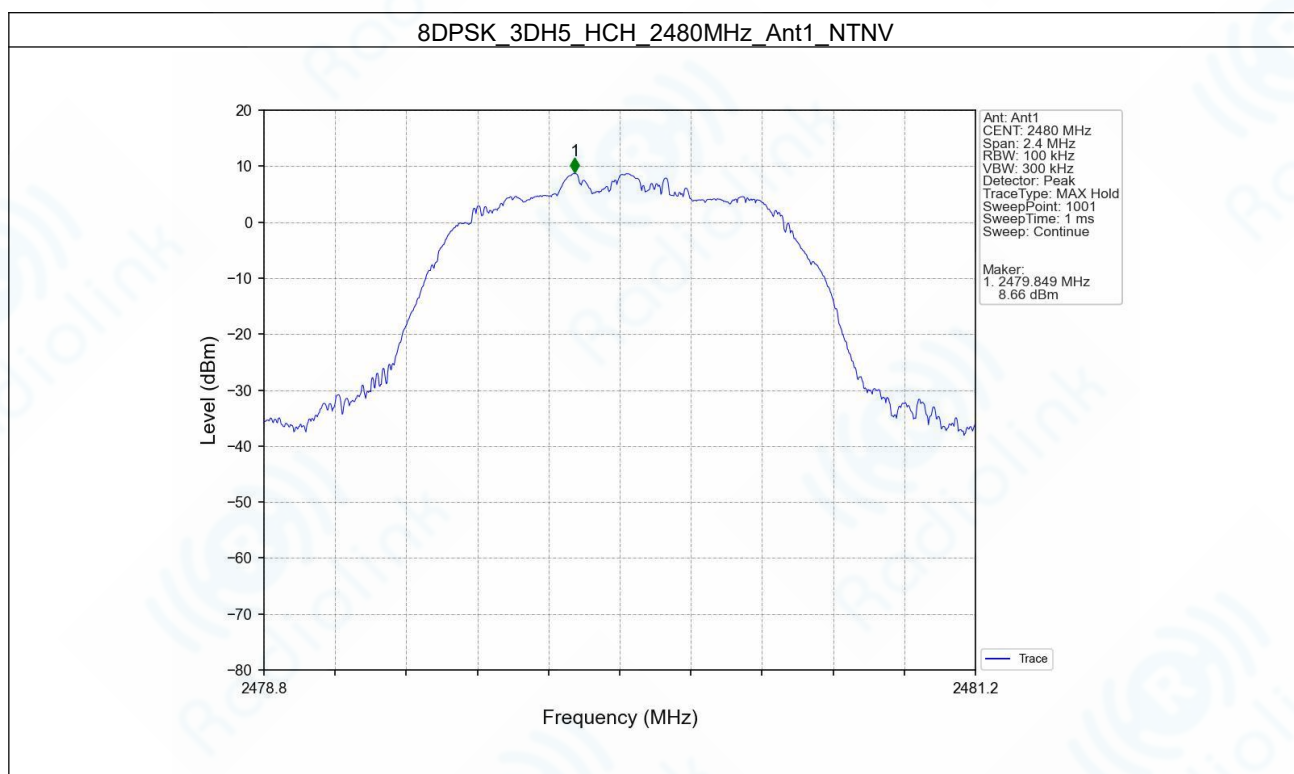
Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



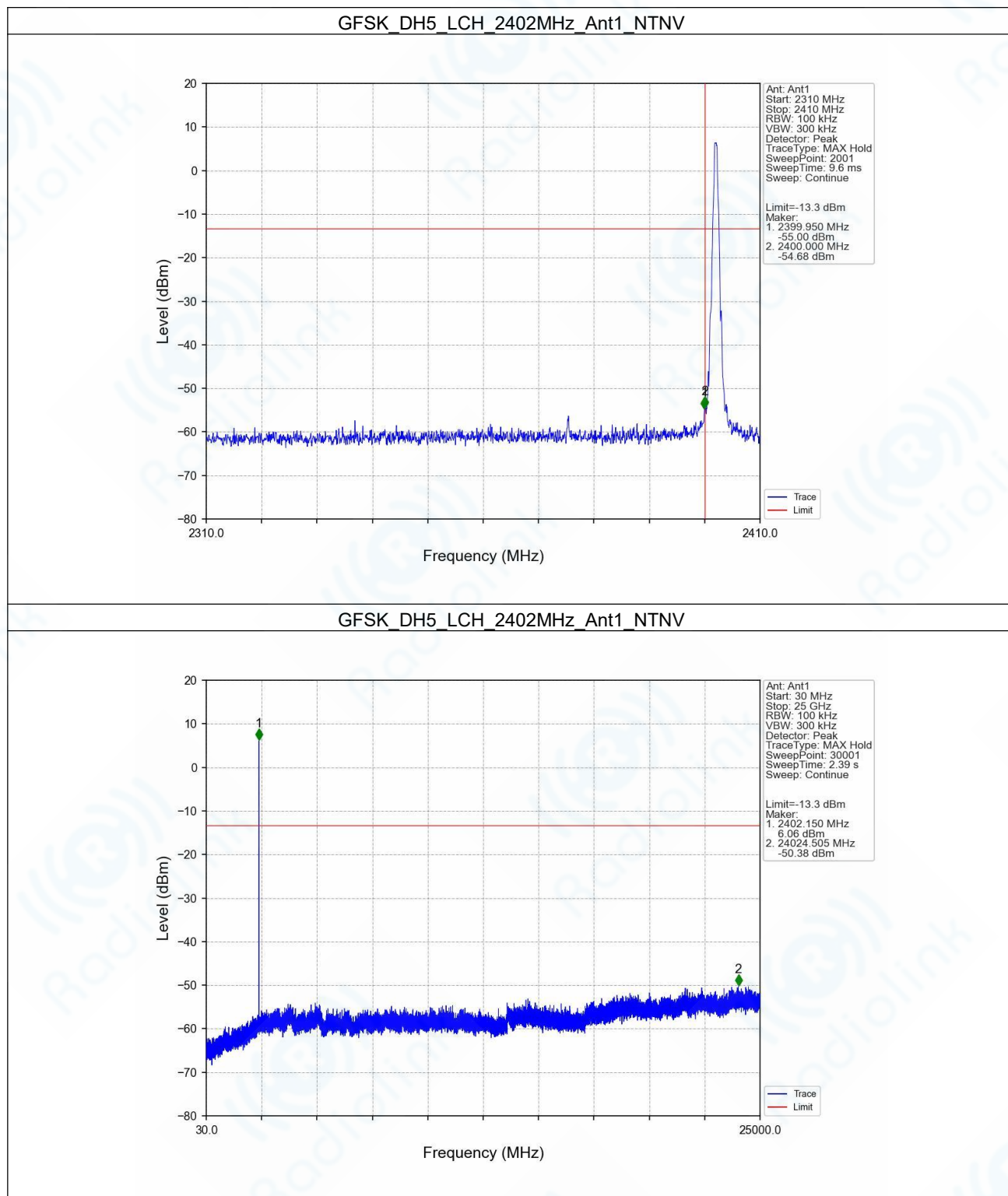
Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV







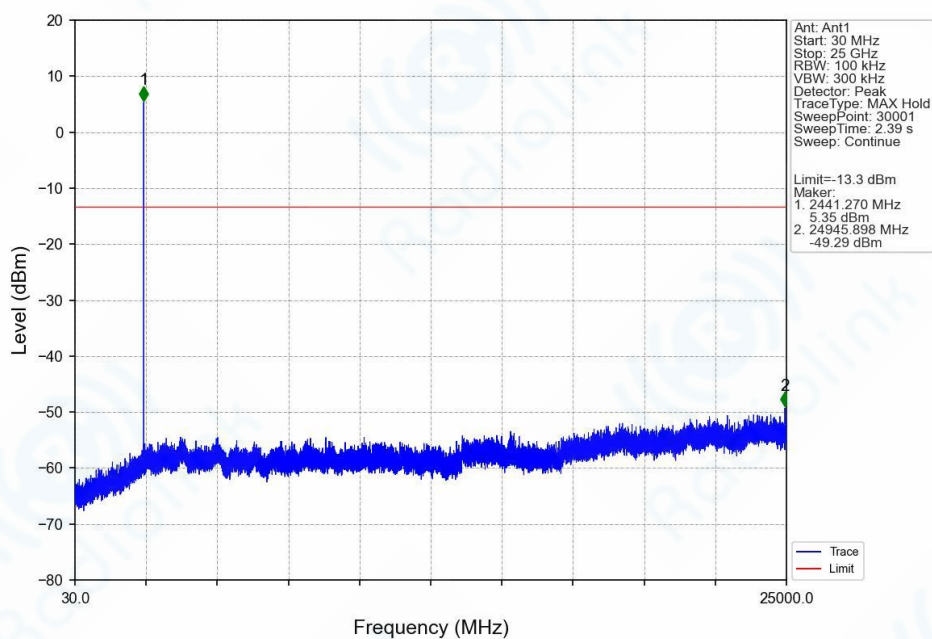
### 6.2.2 CSE



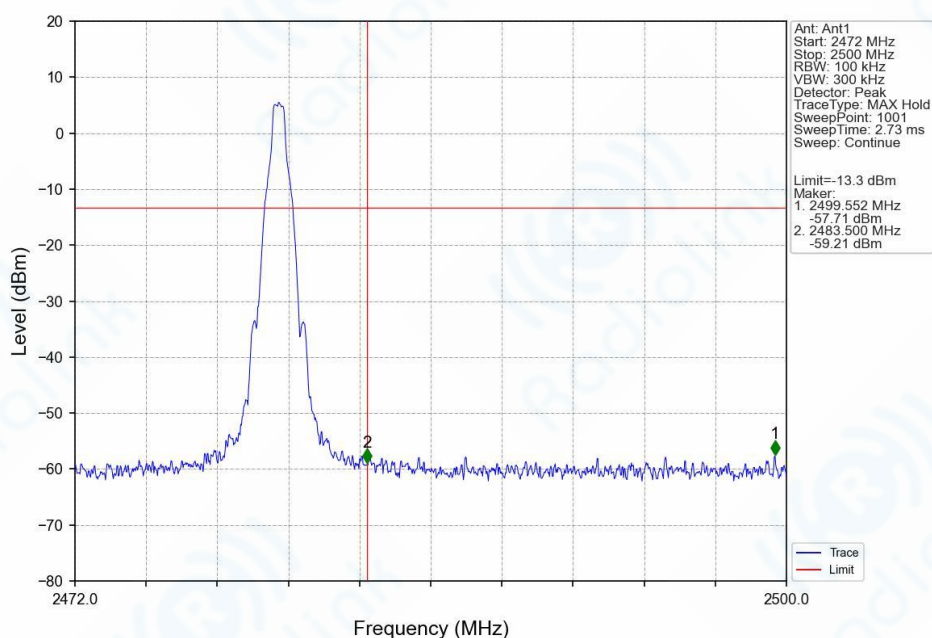
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GFSK\_DH5\_MCH\_2441MHz\_Ant1\_NTNV

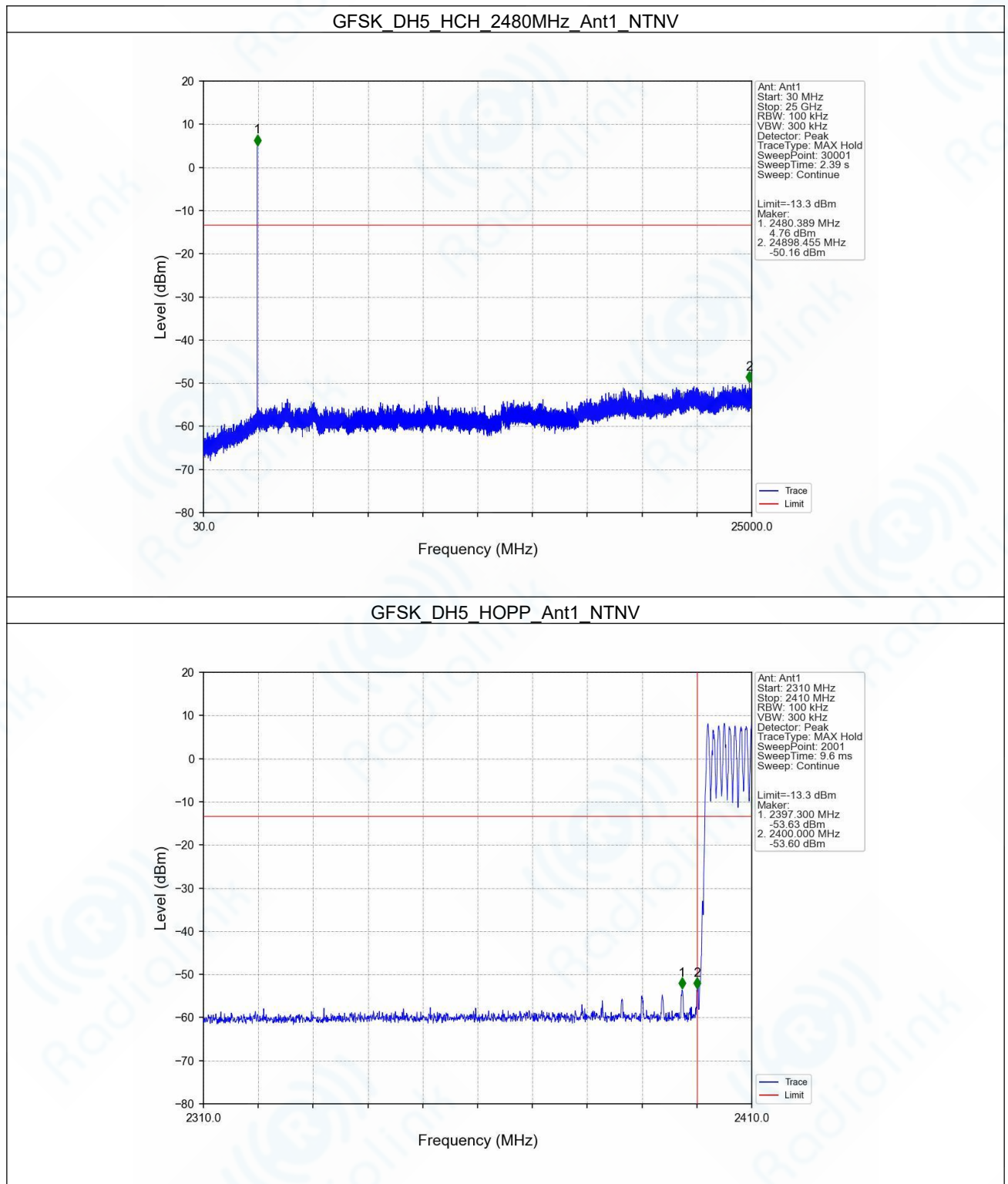


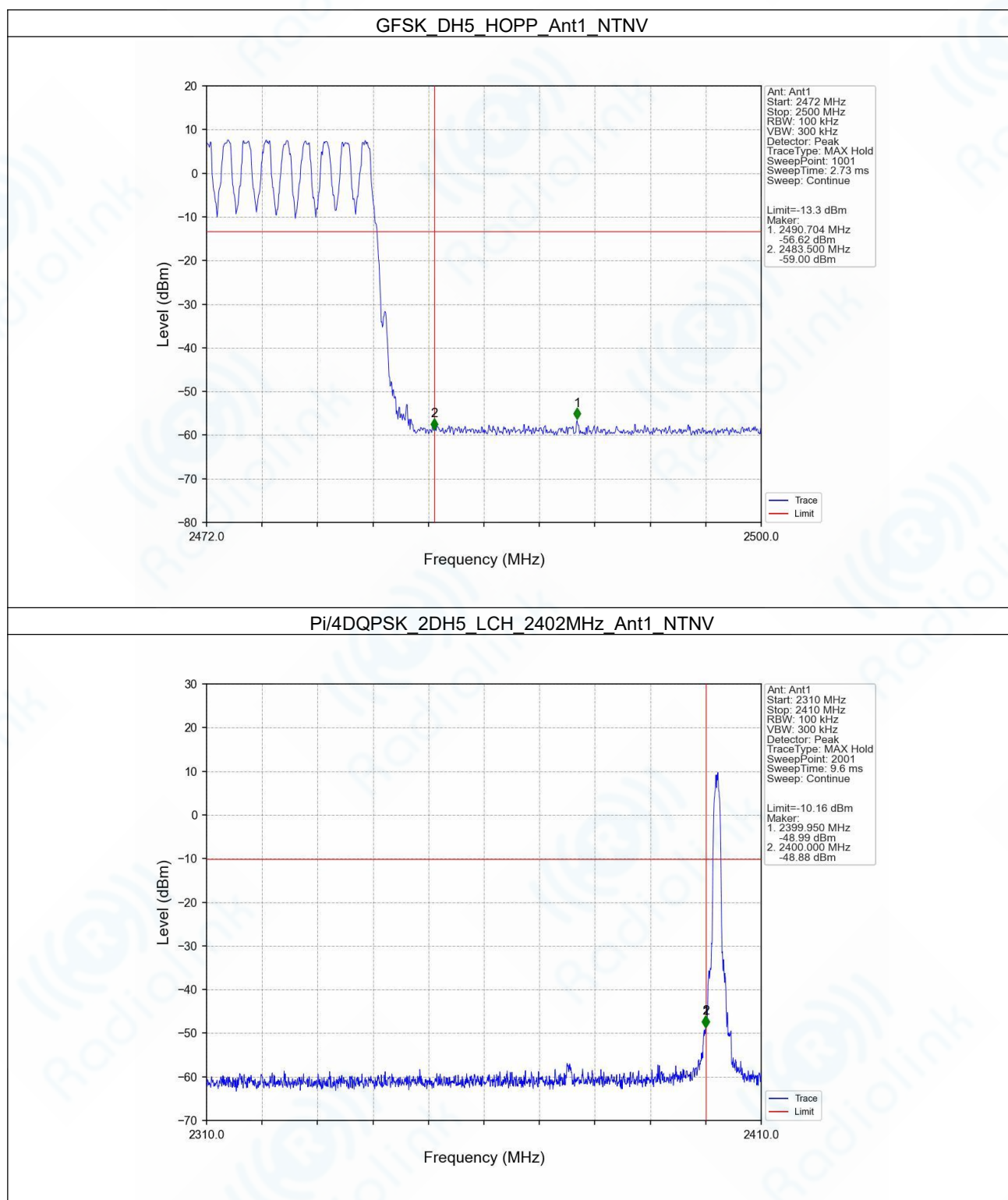
GFSK\_DH5\_HCH\_2480MHz\_Ant1\_NTNV

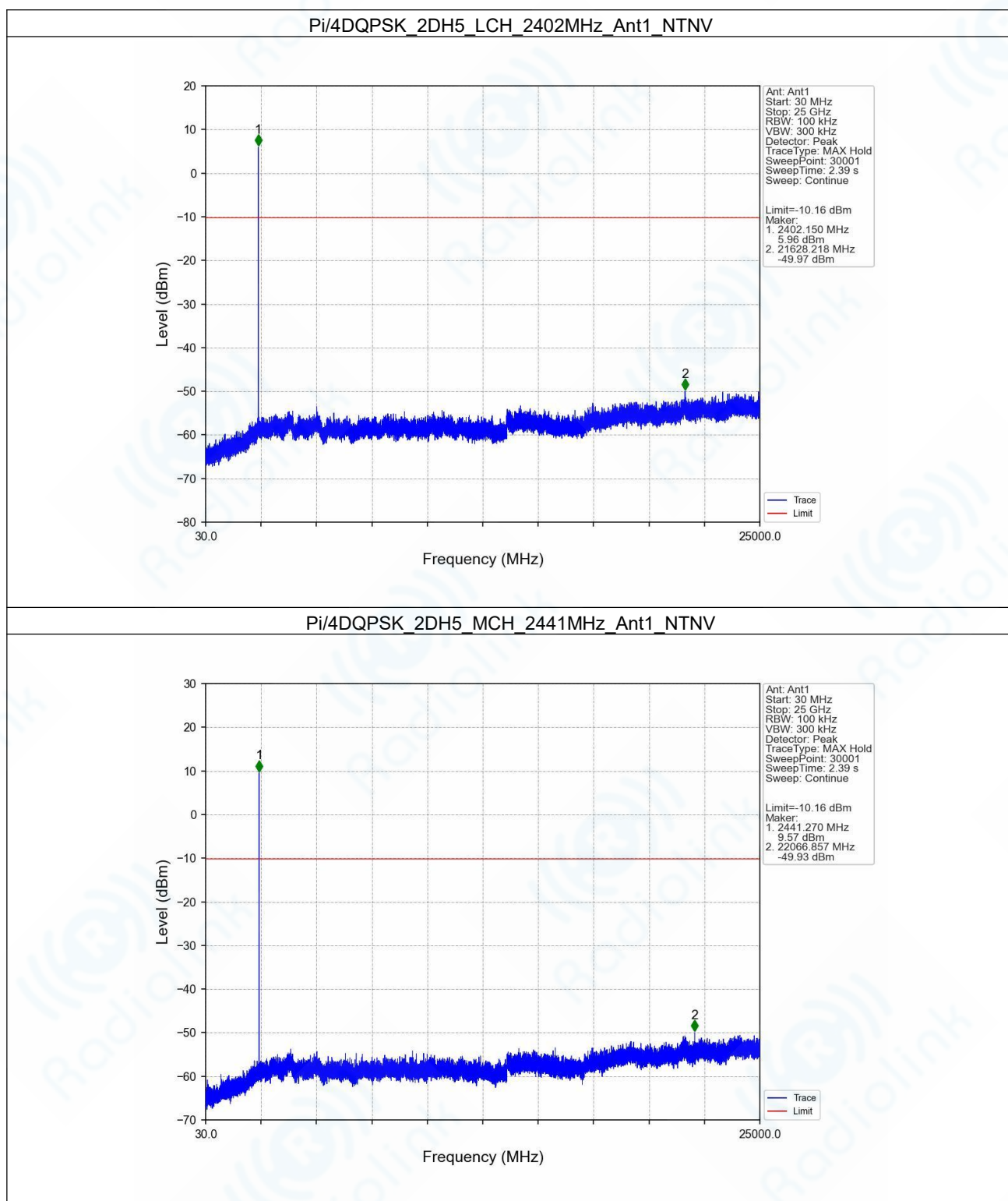


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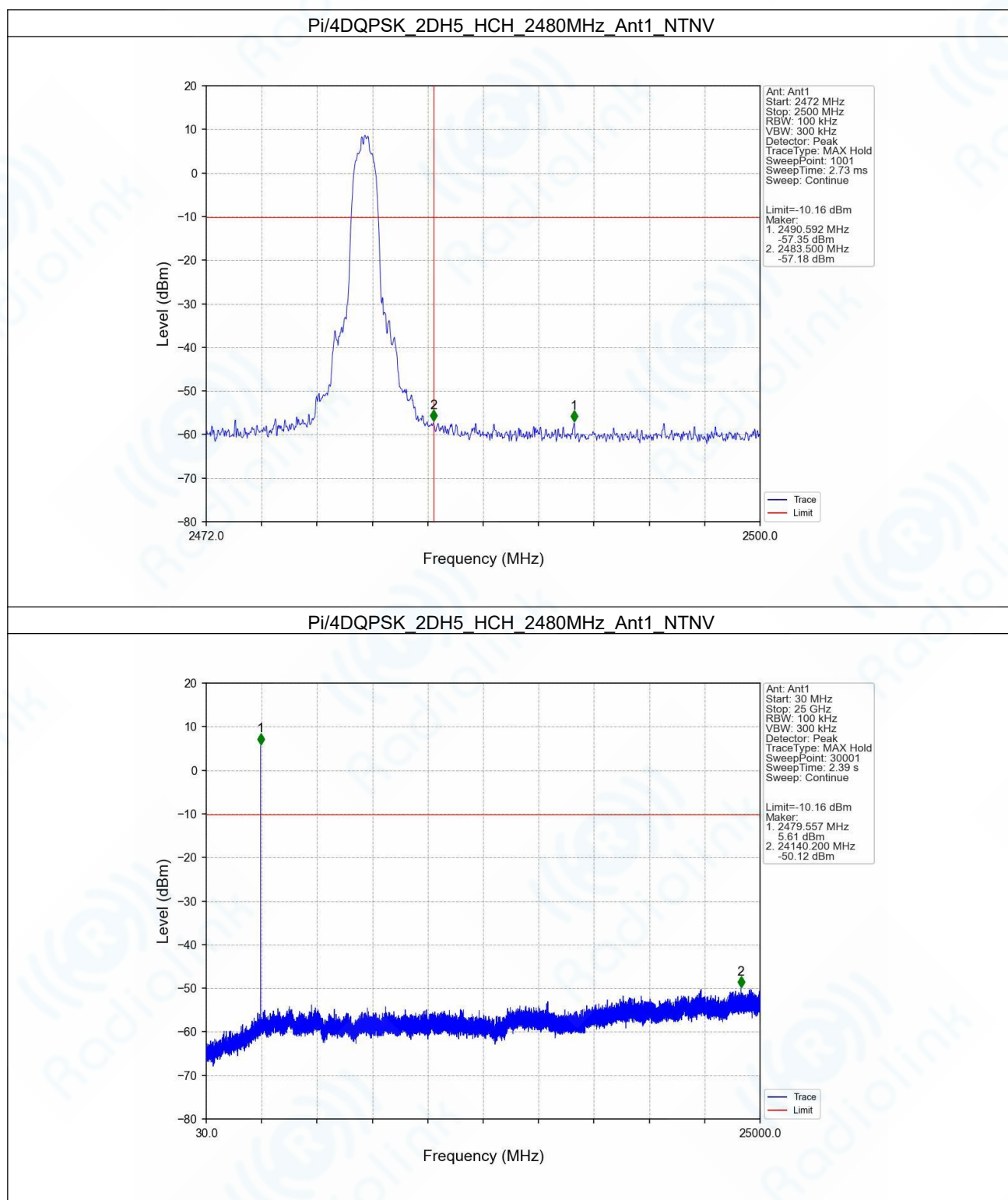






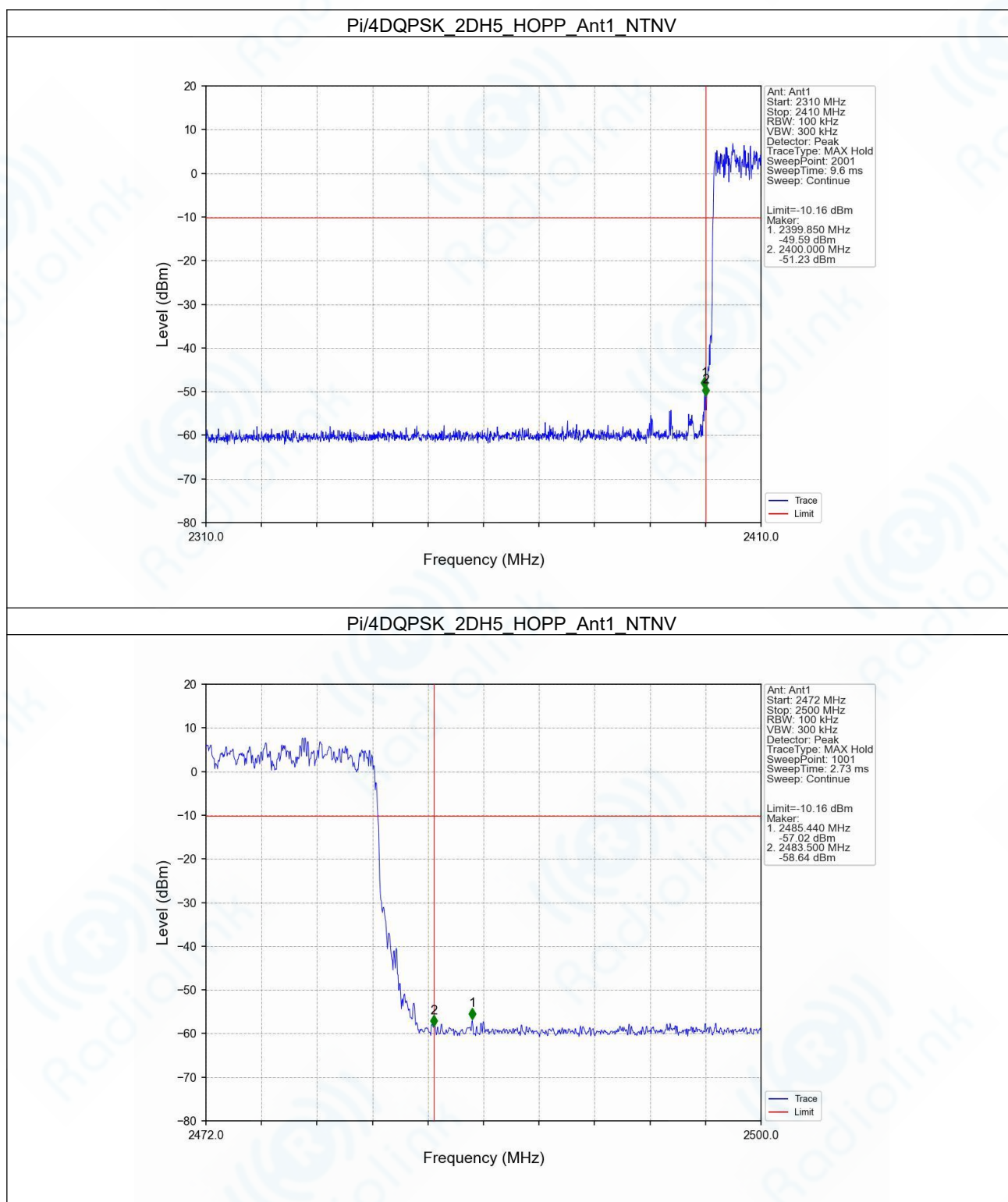
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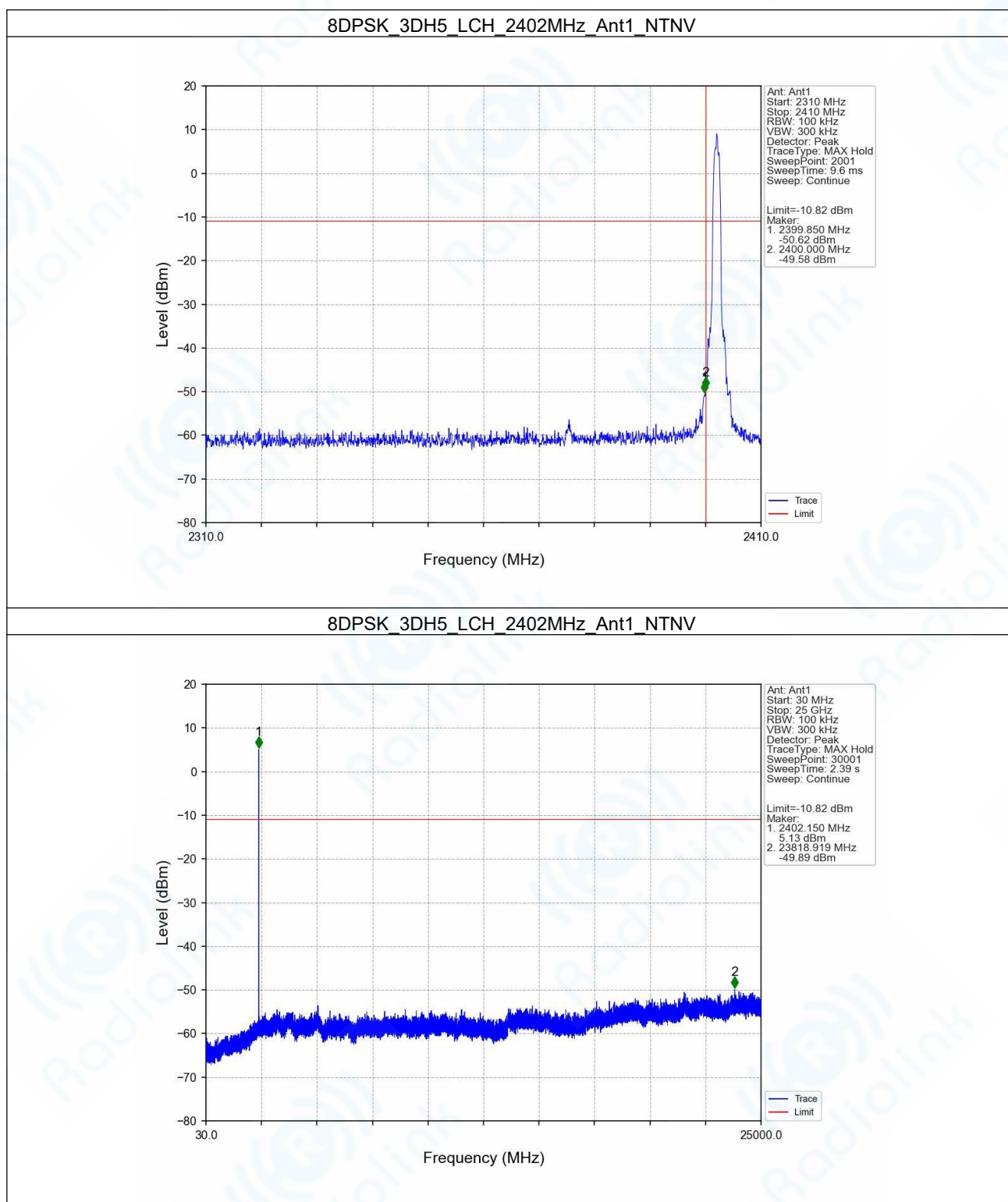
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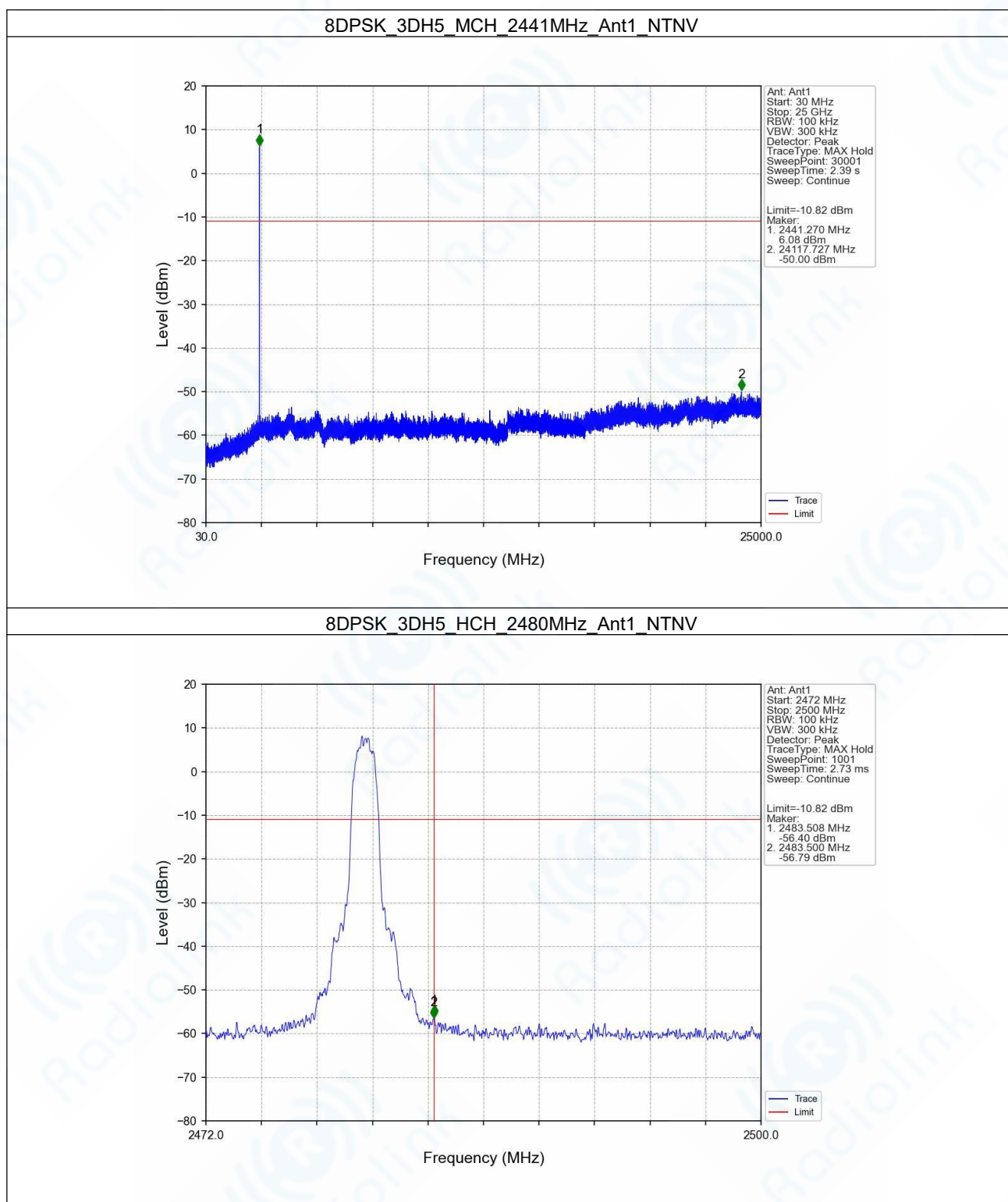
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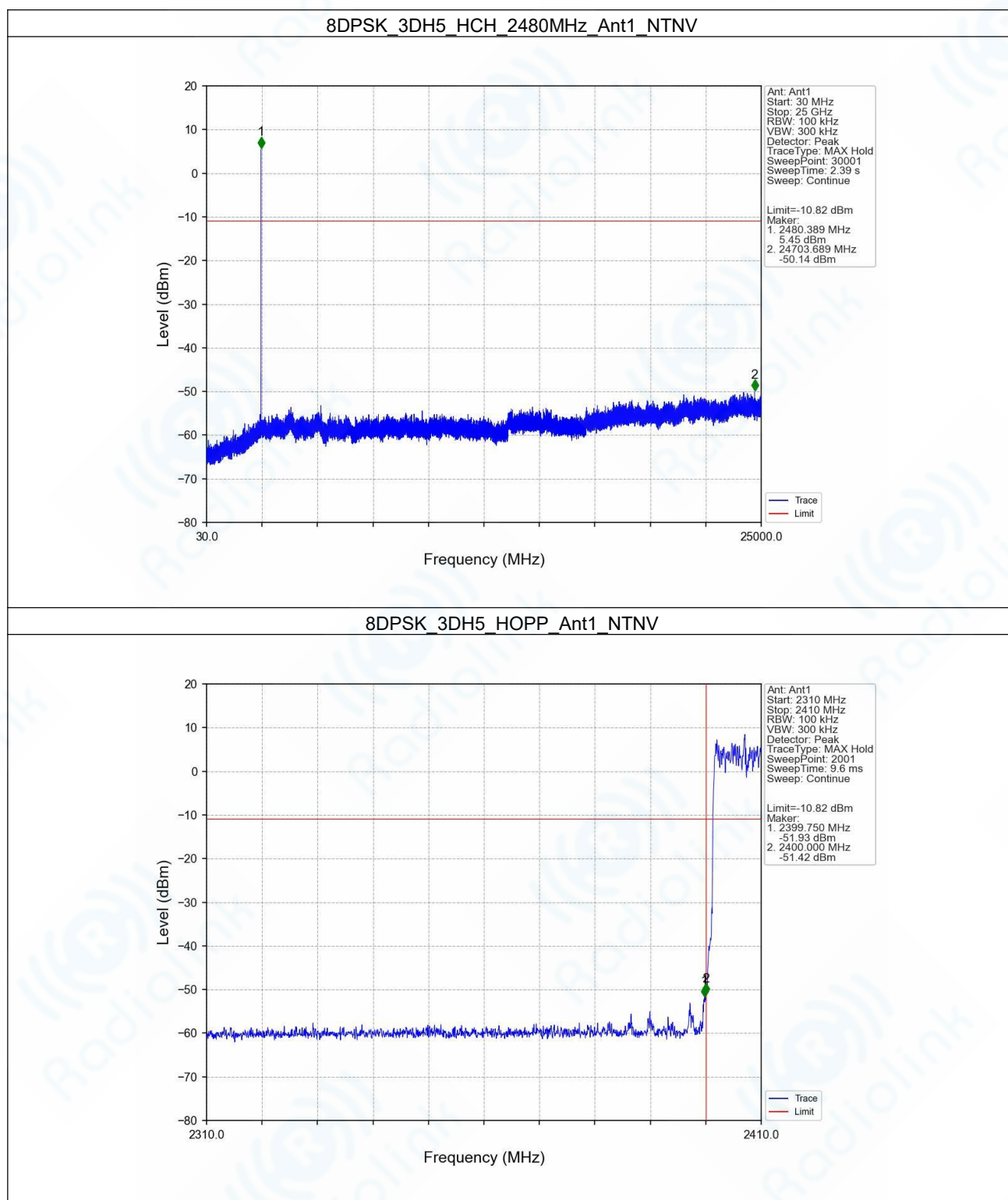
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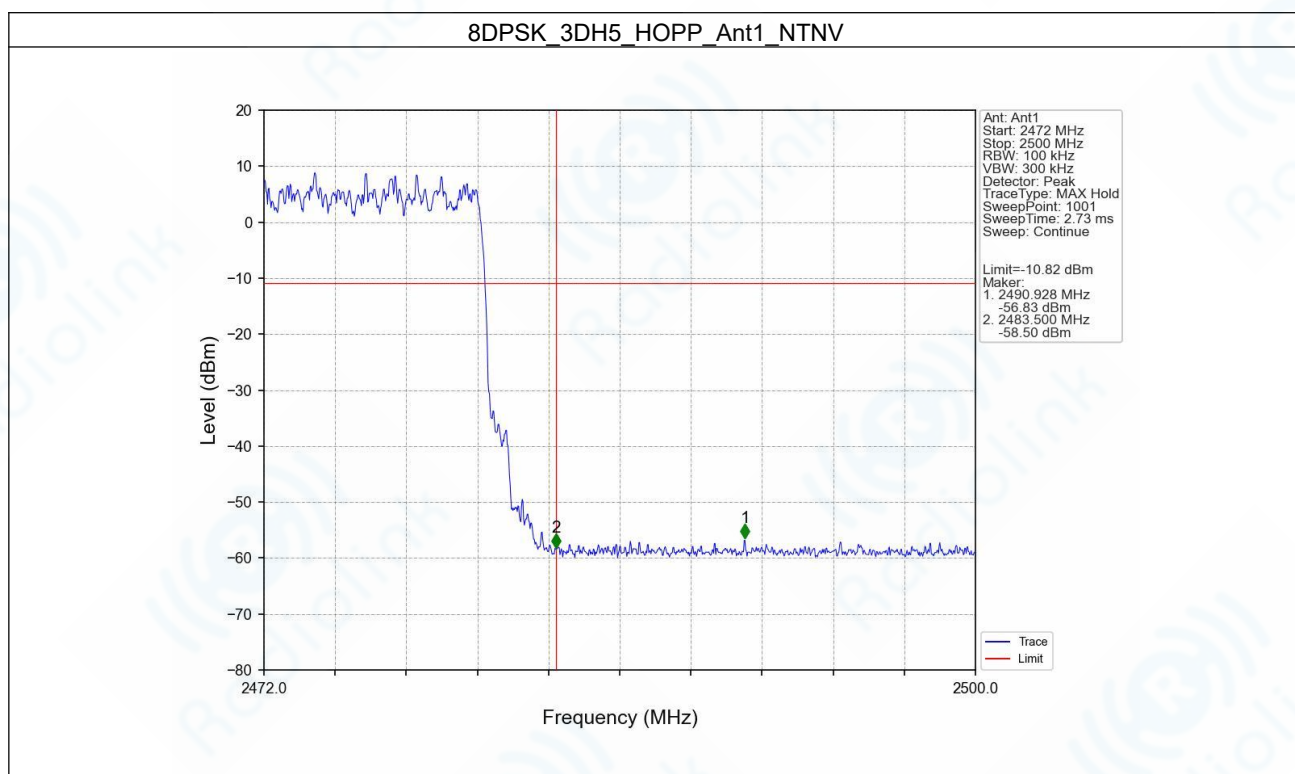
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- End of the Report -



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