

|                                                       |                                          |
|-------------------------------------------------------|------------------------------------------|
| <b>Case No. :</b> <u>GTS20250603010-2-03</u>          |                                          |
| <b>Ambient Condition:</b> <u>23</u> °C, <u>47</u> %RH |                                          |
| <b>According Standard:</b> <u>■Part15C</u>            |                                          |
| <b>Test Date:</b> <u>2025.7.17-2025.8.7</u>           | <b>Test Engineer:</b> <u>Evan ouyang</u> |

## Appendix A.1: 20dB Emission Bandwidth

### Test Result

| TestMode | Antenna | Freq(MHz) | 20dB EBW[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|-----------|---------------|----------|----------|------------|---------|
| DH1      | Ant1    | 2402      | 0.936         | 2401.517 | 2402.453 | ---        | ---     |
|          |         | 2441      | 0.933         | 2440.523 | 2441.456 | ---        | ---     |
|          |         | 2480      | 0.936         | 2479.517 | 2480.453 | ---        | ---     |
| 2DH1     | Ant1    | 2402      | 1.317         | 2401.316 | 2402.633 | ---        | ---     |
|          |         | 2441      | 1.314         | 2440.316 | 2441.630 | ---        | ---     |
|          |         | 2480      | 1.302         | 2479.316 | 2480.618 | ---        | ---     |
| 3DH1     | Ant1    | 2402      | 1.284         | 2401.343 | 2402.627 | ---        | ---     |
|          |         | 2441      | 1.284         | 2440.340 | 2441.624 | ---        | ---     |
|          |         | 2480      | 1.287         | 2479.334 | 2480.621 | ---        | ---     |

## Test Graphs

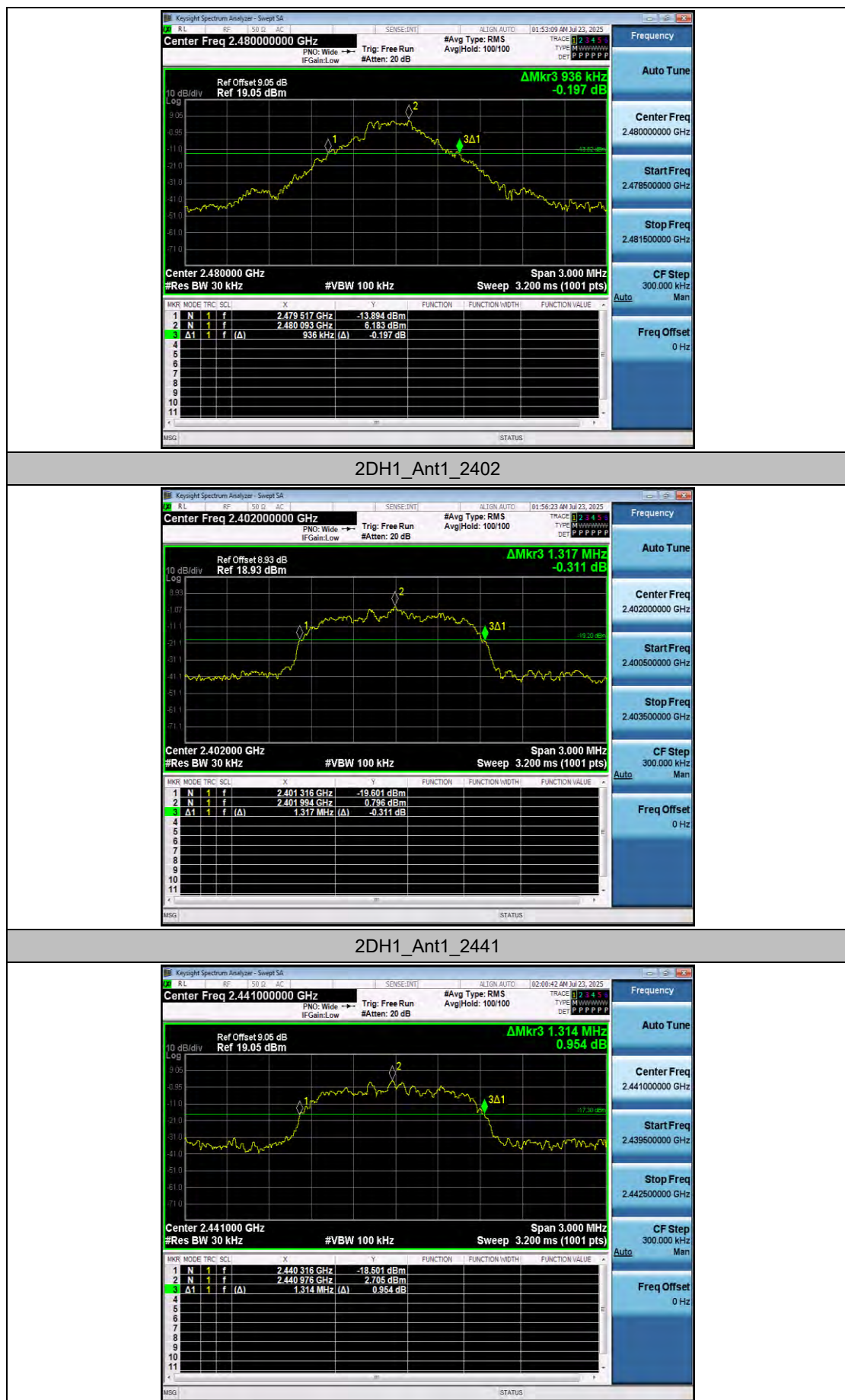
DH1\_Ant1\_2402



DH1\_Ant1\_2441



DH1\_Ant1\_2480



## 2DH1\_Ant1\_2480



## 3DH1\_Ant1\_2402



## 3DH1\_Ant1\_2441

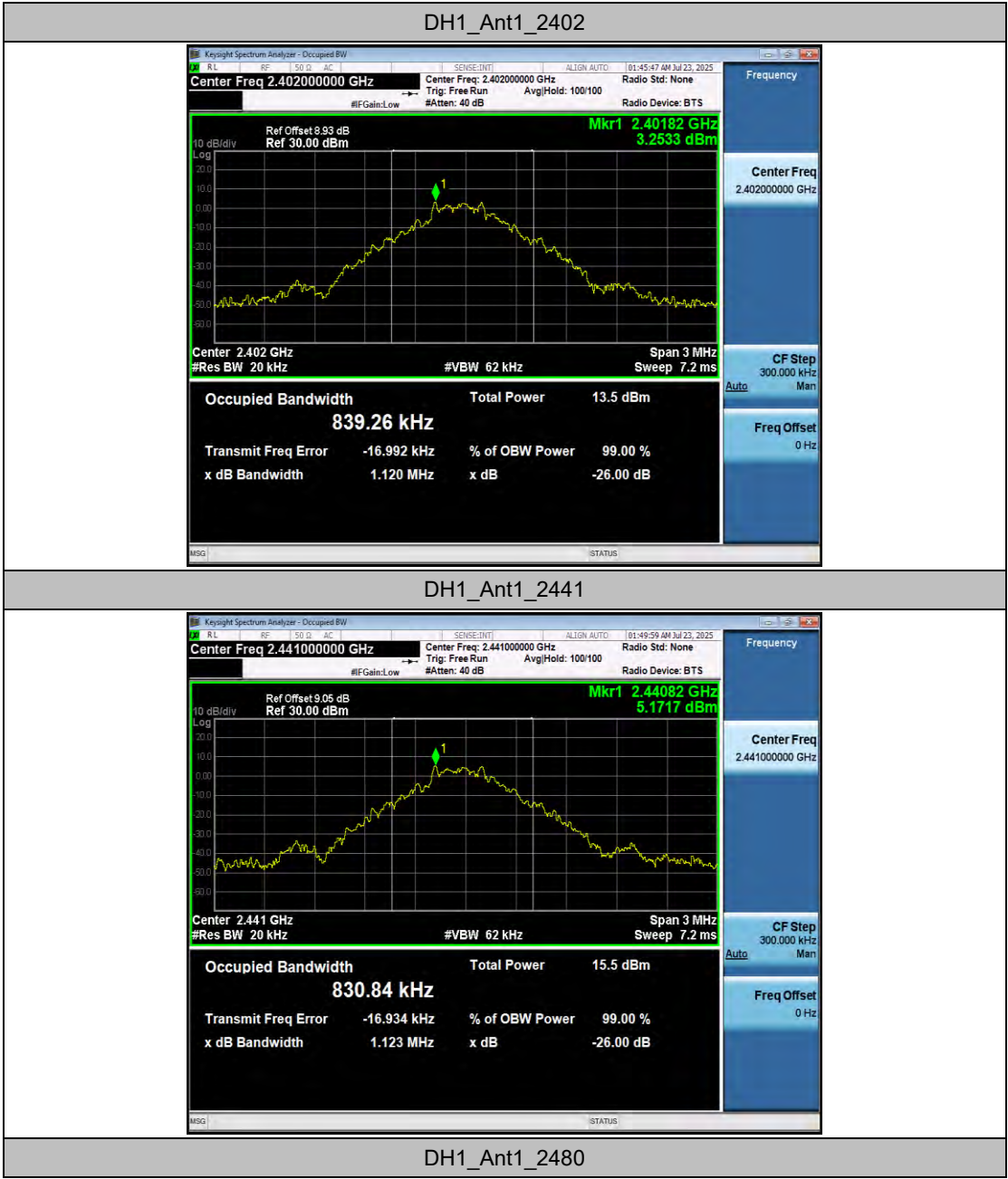


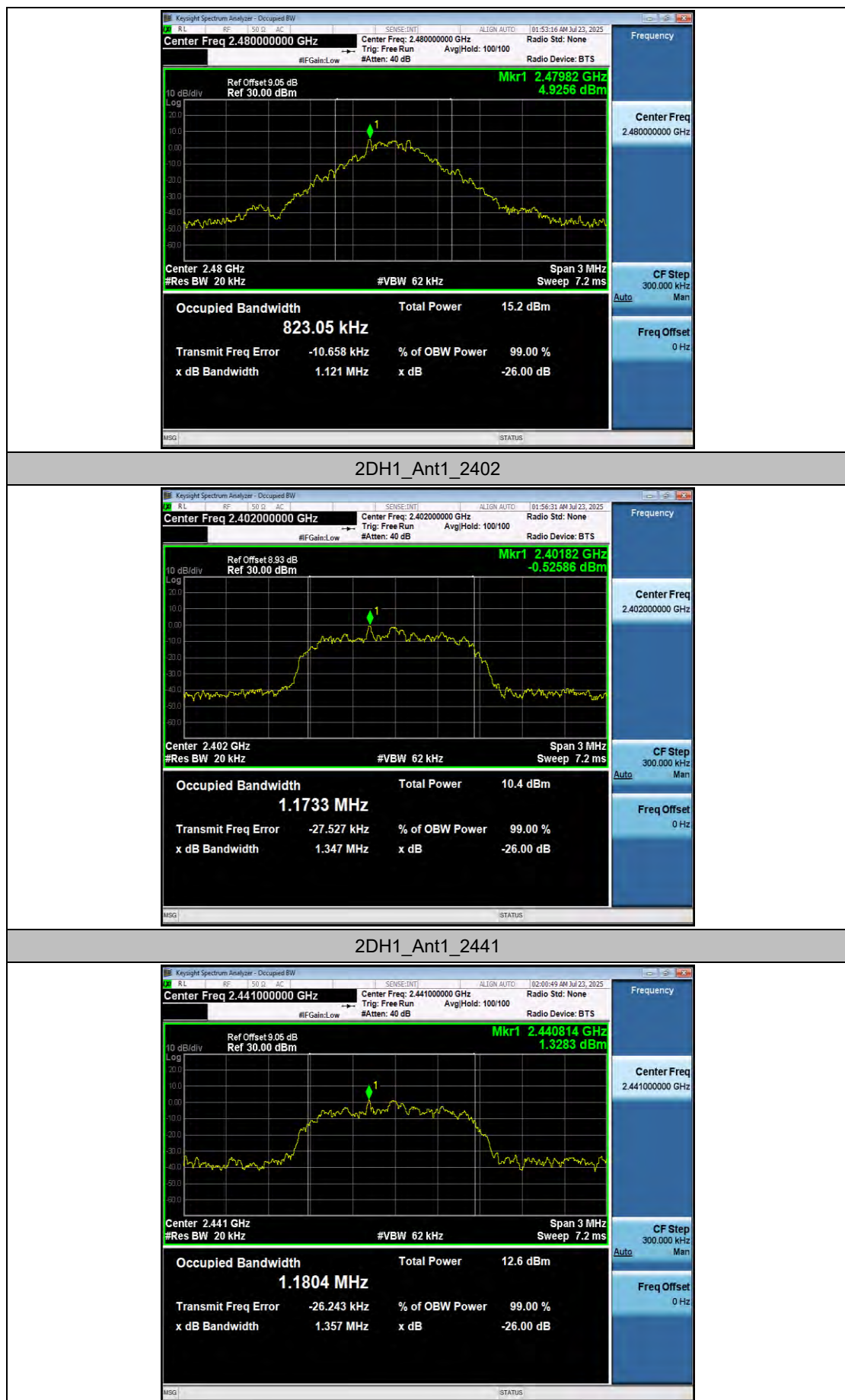
## Appendix A.2: Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Freq(MHz) | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|-----------|-----------|-----------|-----------|------------|---------|
| DH1      | Ant1    | 2402      | 0.83926   | 2401.5634 | 2402.4026 | ---        | ---     |
|          |         | 2441      | 0.83084   | 2440.5677 | 2441.3985 | ---        | ---     |
|          |         | 2480      | 0.82305   | 2479.5778 | 2480.4009 | ---        | ---     |
| 2DH1     | Ant1    | 2402      | 1.1733    | 2401.3858 | 2402.5591 | ---        | ---     |
|          |         | 2441      | 1.1804    | 2440.3836 | 2441.5640 | ---        | ---     |
|          |         | 2480      | 1.1862    | 2479.3765 | 2480.5627 | ---        | ---     |
| 3DH1     | Ant1    | 2402      | 1.1660    | 2401.4110 | 2402.5770 | ---        | ---     |
|          |         | 2441      | 1.1715    | 2440.4075 | 2441.5790 | ---        | ---     |
|          |         | 2480      | 1.1777    | 2479.4040 | 2480.5817 | ---        | ---     |

Test Graphs





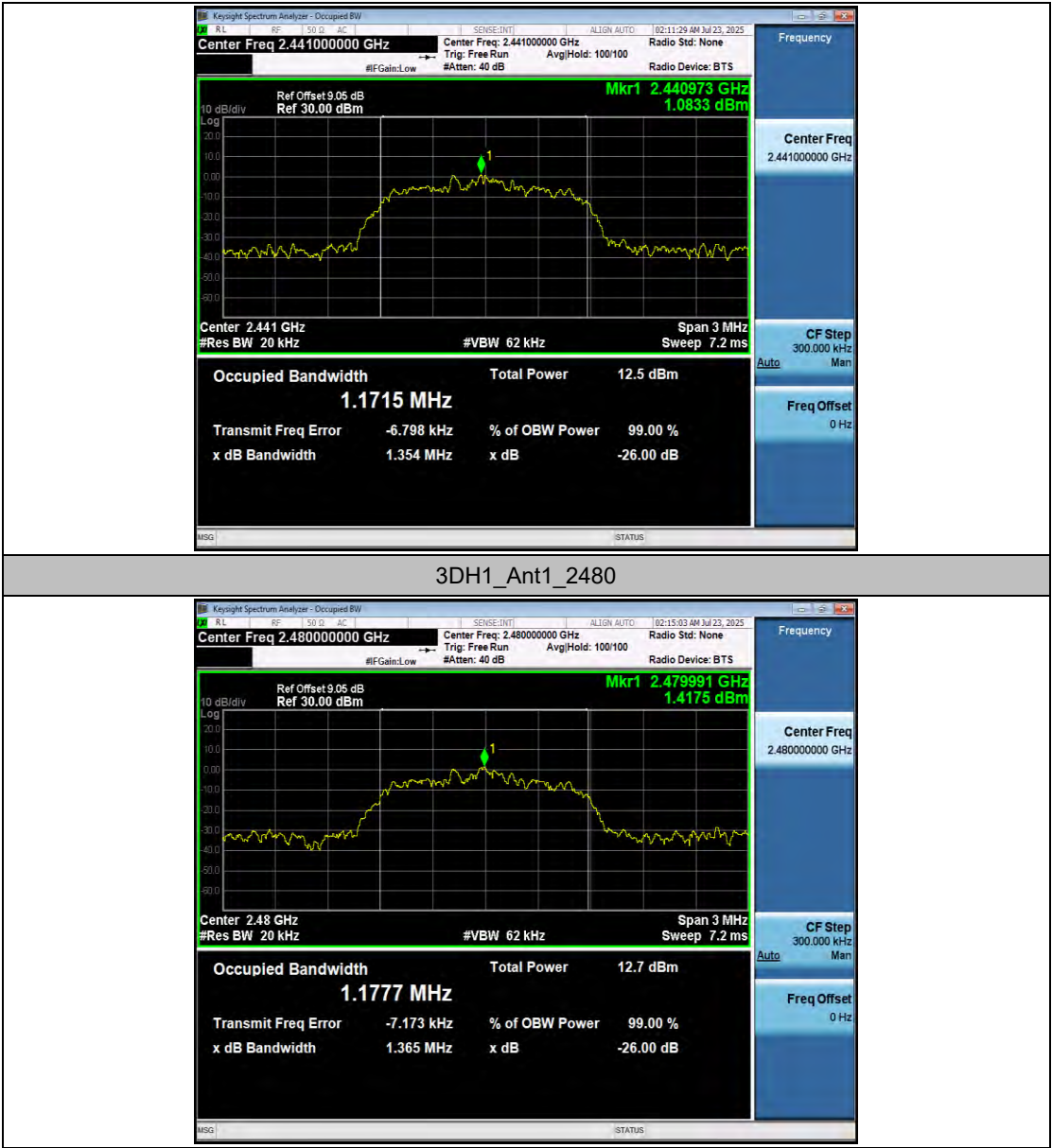
## 2DH1\_Ant1\_2480



## 3DH1\_Ant1\_2402



## 3DH1\_Ant1\_2441



## Appendix A.3: Maximum conducted output power

### Test Result Peak

| Test Mode | Antenna | Freq(MHz) | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|-----------|---------------------------|----------------------|---------|
| DH1       | Ant1    | 2402      | 8.55                      | ≤30.00               | PASS    |
|           |         | 2441      | 10.45                     | ≤30.00               | PASS    |
|           |         | 2480      | 10.24                     | ≤30.00               | PASS    |
| 2DH1      | Ant1    | 2402      | 8.02                      | ≤20.97               | PASS    |
|           |         | 2441      | 9.87                      | ≤20.97               | PASS    |
|           |         | 2480      | 9.71                      | ≤20.97               | PASS    |
| 3DH1      | Ant1    | 2402      | 8.22                      | ≤20.97               | PASS    |
|           |         | 2441      | 9.98                      | ≤20.97               | PASS    |
|           |         | 2480      | 9.92                      | ≤20.97               | PASS    |

## Appendix A.4: Carrier frequency separation

### Test Result

| TestMode | Antenna | Freq(MHz) | Result[MHz] | Limit[MHz]   | Verdict |
|----------|---------|-----------|-------------|--------------|---------|
| DH1      | Ant1    | Hop_2402  | 1.026       | $\geq 0.936$ | PASS    |
|          |         | Hop_2441  | 0.984       | $\geq 0.936$ | PASS    |
|          |         | Hop_2480  | 1.31        | $\geq 0.936$ | PASS    |
| 2DH1     | Ant1    | Hop_2402  | 0.962       | $\geq 0.878$ | PASS    |
|          |         | Hop_2441  | 1           | $\geq 0.878$ | PASS    |
|          |         | Hop_2480  | 1.01        | $\geq 0.878$ | PASS    |
| 3DH1     | Ant1    | Hop_2402  | 0.966       | $\geq 0.858$ | PASS    |
|          |         | Hop_2441  | 1.006       | $\geq 0.858$ | PASS    |
|          |         | Hop_2480  | 1.024       | $\geq 0.858$ | PASS    |

## Test Graphs

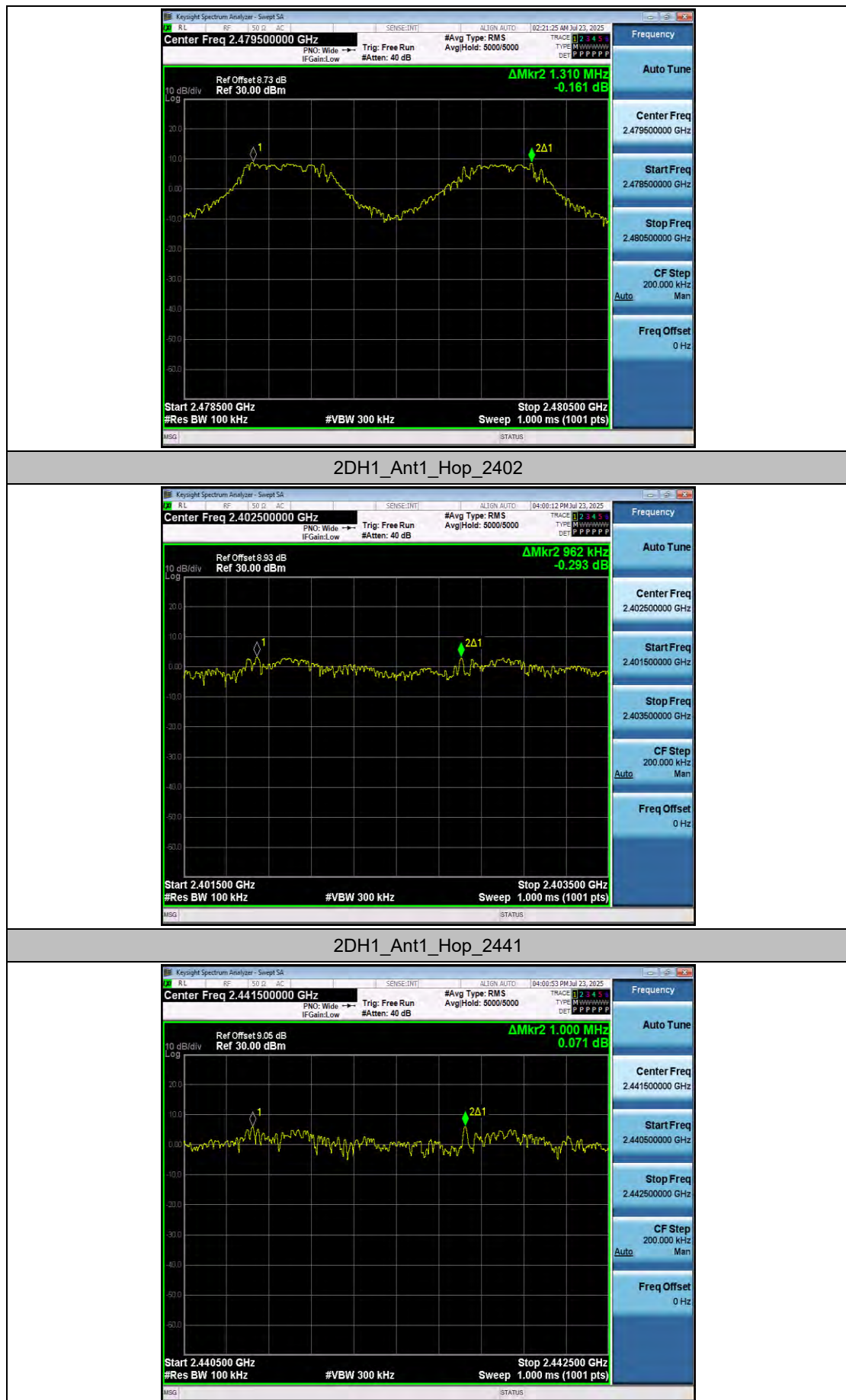
DH1\_Ant1\_Hop\_2402

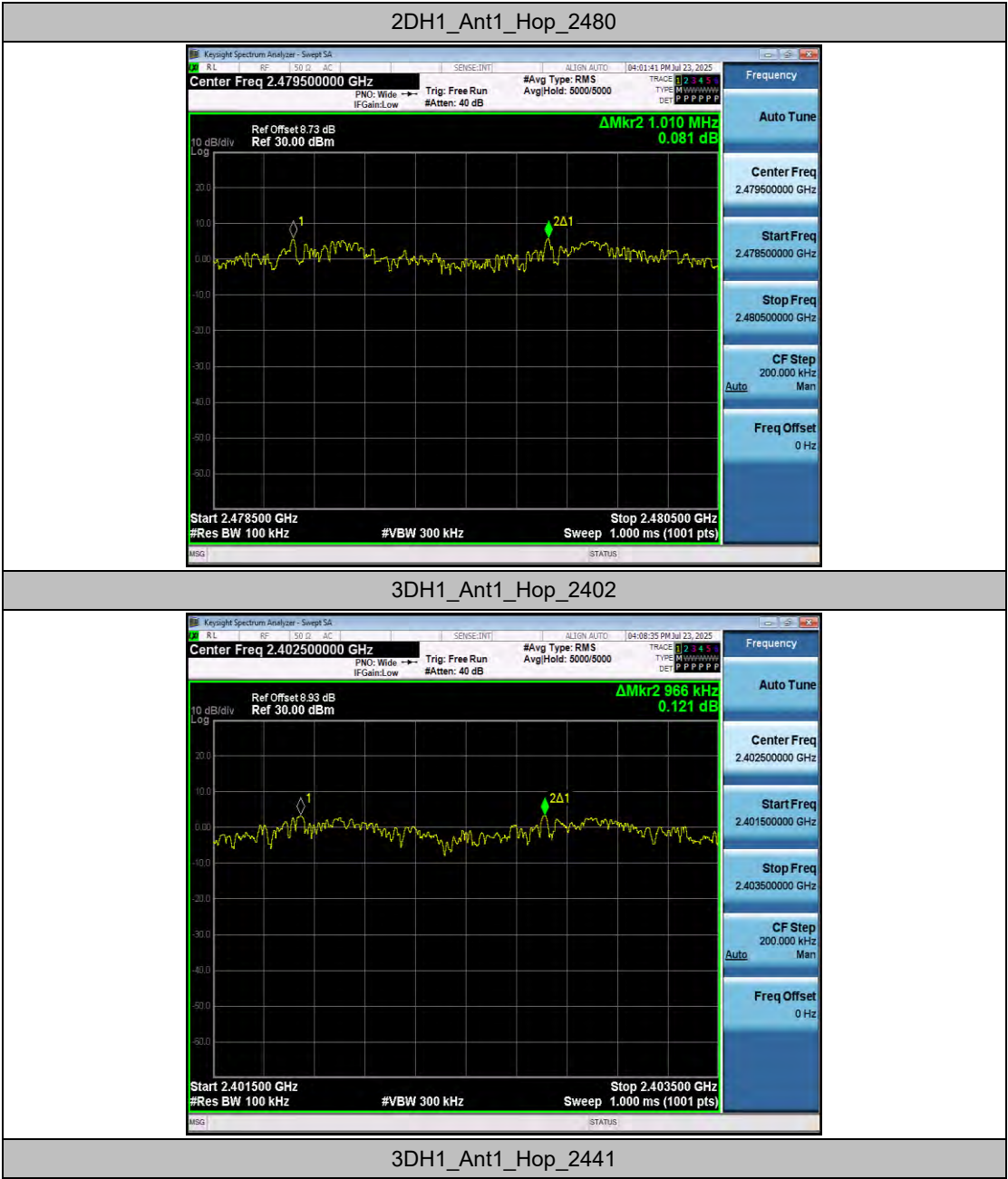


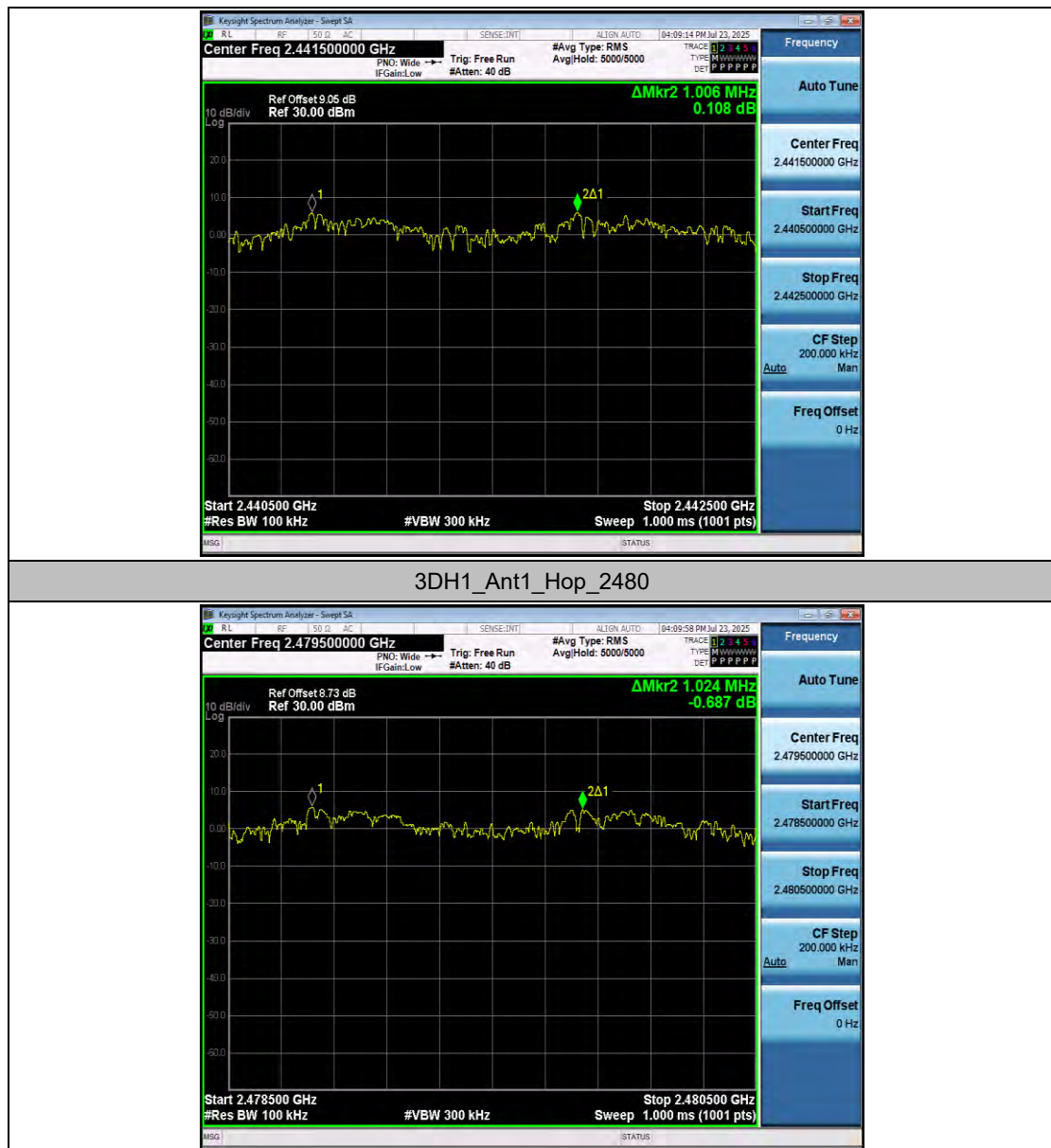
DH1\_Ant1\_Hop\_2441



DH1\_Ant1\_Hop\_2480





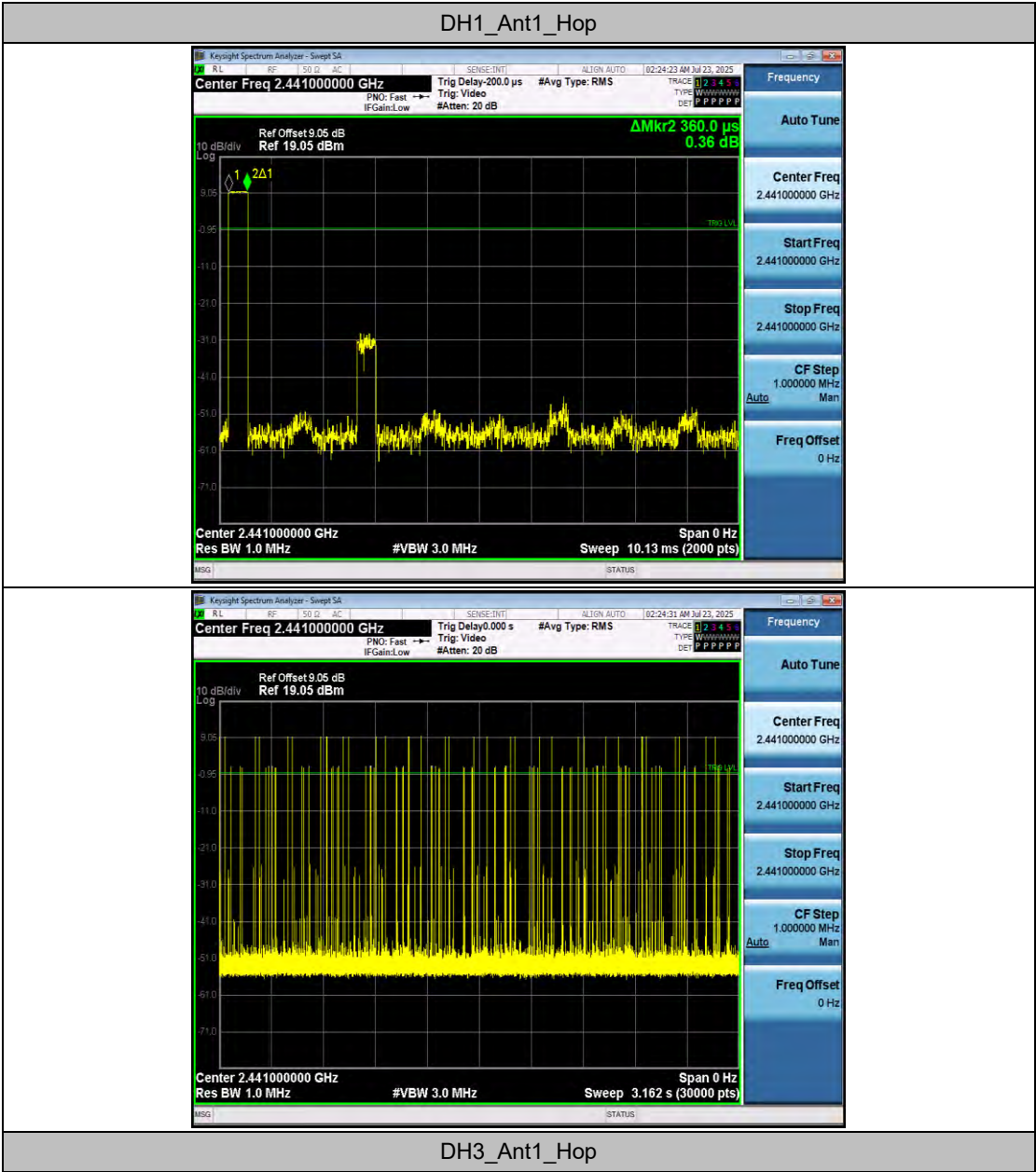


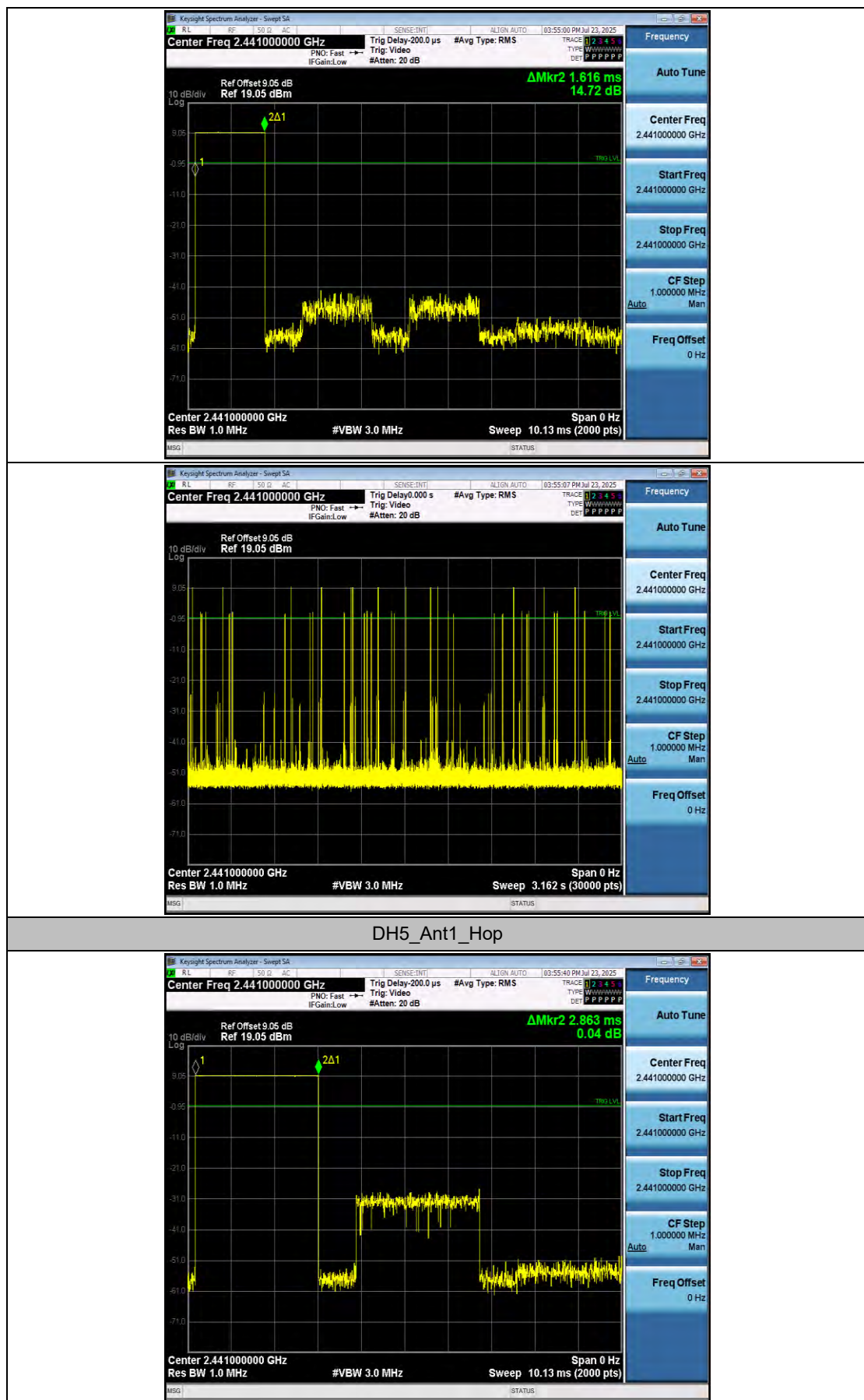
## Appendix A.5: Time of occupancy

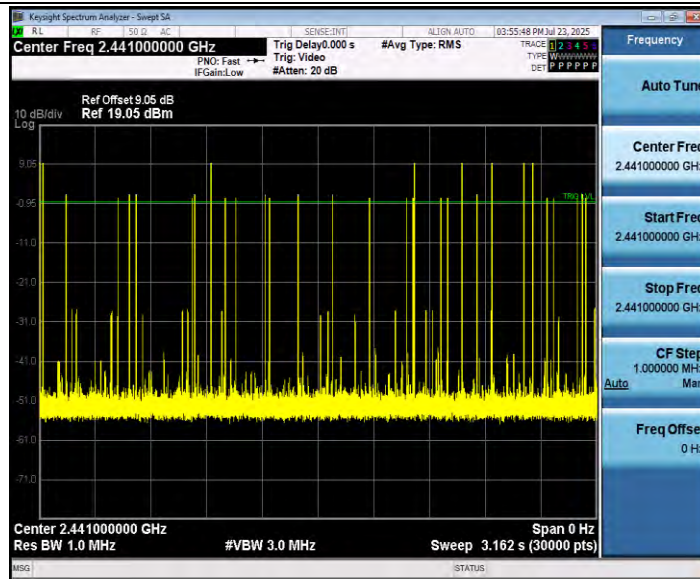
### Test Result

| TestMode | Antenna | Freq(MHz) | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|-----------|--------------------|--------------------|-----------|----------|---------|
| DH1      | Ant1    | Hop       | 0.360              | 320                | 0.115     | ≤0.4     | PASS    |
| DH3      | Ant1    | Hop       | 1.616              | 140                | 0.226     | ≤0.4     | PASS    |
| DH5      | Ant1    | Hop       | 2.863              | 80                 | 0.229     | ≤0.4     | PASS    |
| 2DH1     | Ant1    | Hop       | 0.360              | 330                | 0.119     | ≤0.4     | PASS    |
| 2DH3     | Ant1    | Hop       | 1.616              | 140                | 0.226     | ≤0.4     | PASS    |
| 2DH5     | Ant1    | Hop       | 2.863              | 130                | 0.372     | ≤0.4     | PASS    |
| 3DH1     | Ant1    | Hop       | 0.360              | 330                | 0.119     | ≤0.4     | PASS    |
| 3DH3     | Ant1    | Hop       | 1.621              | 180                | 0.292     | ≤0.4     | PASS    |
| 3DH5     | Ant1    | Hop       | 2.868              | 90                 | 0.258     | ≤0.4     | PASS    |

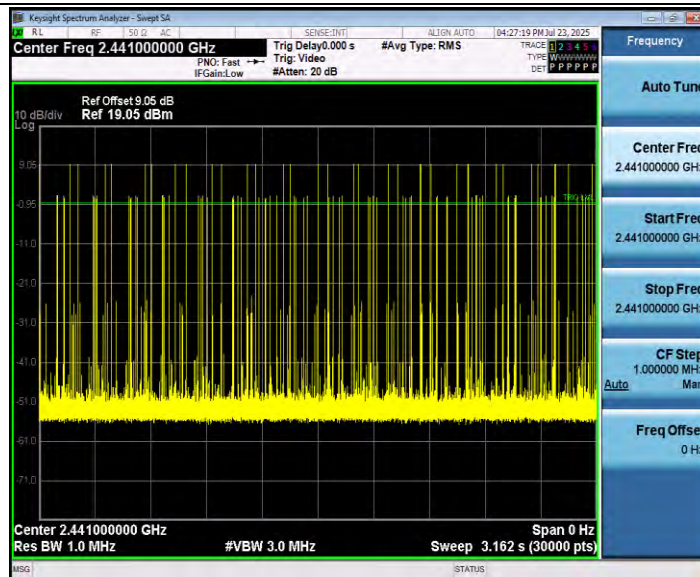
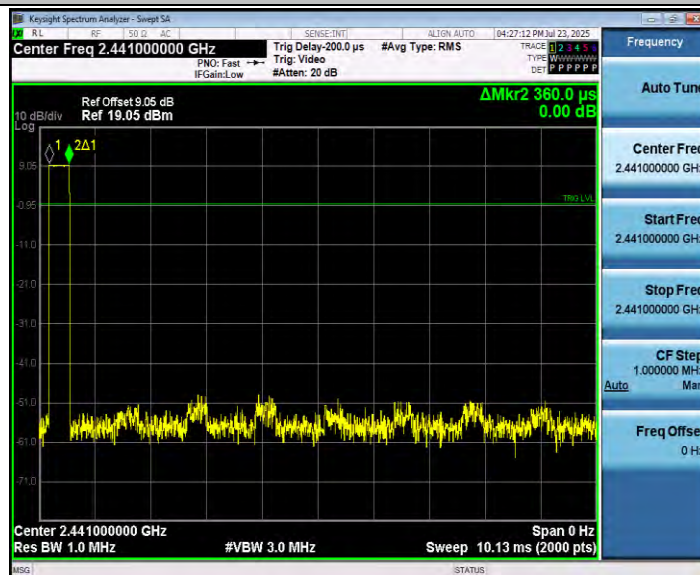
Test Graphs



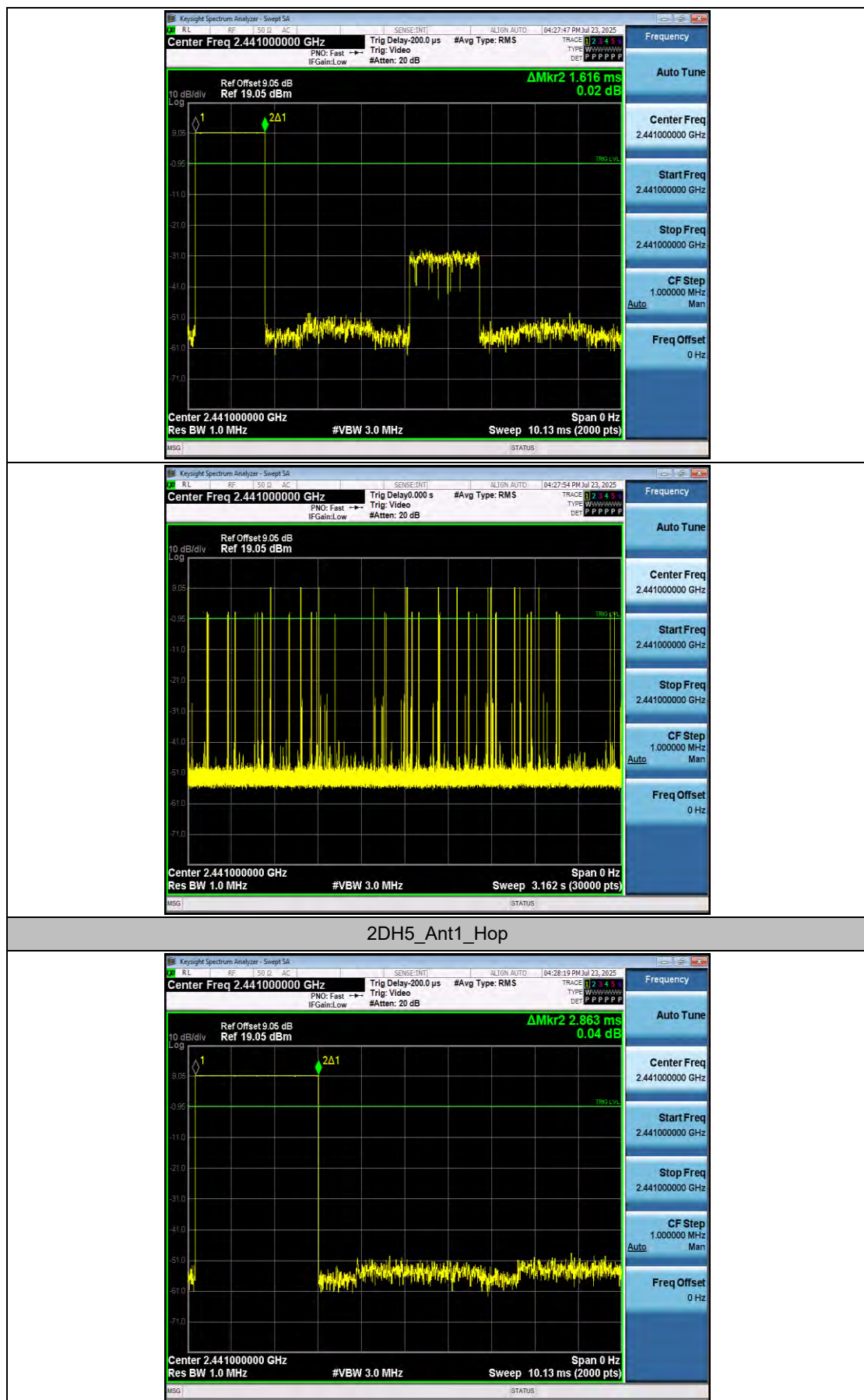


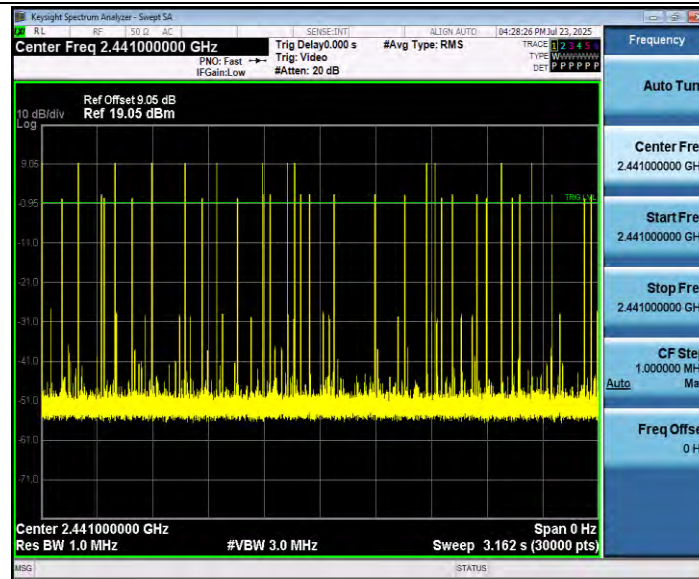


2DH1\_Ant1\_Hop

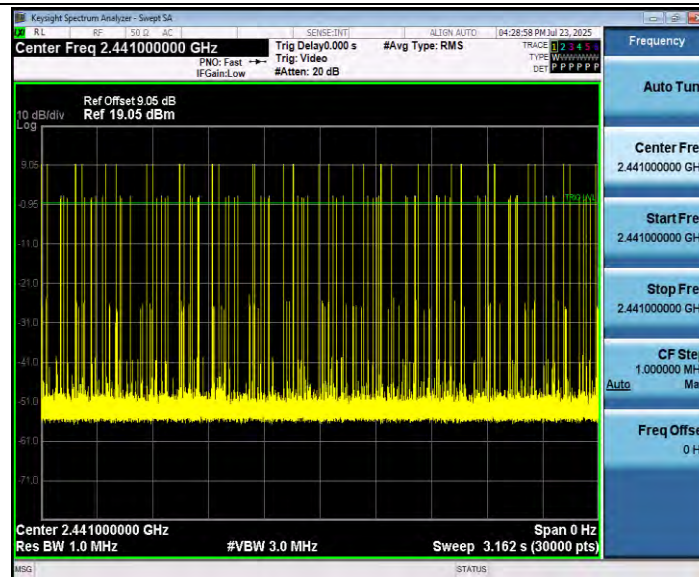
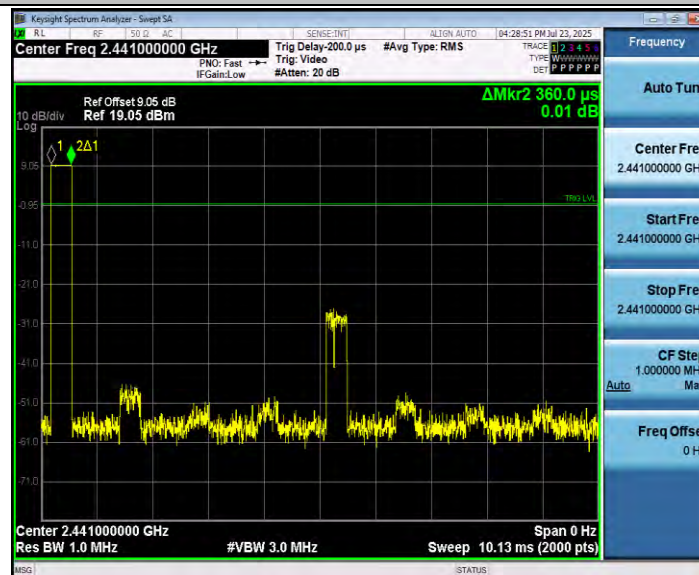


2DH3\_Ant1\_Hop

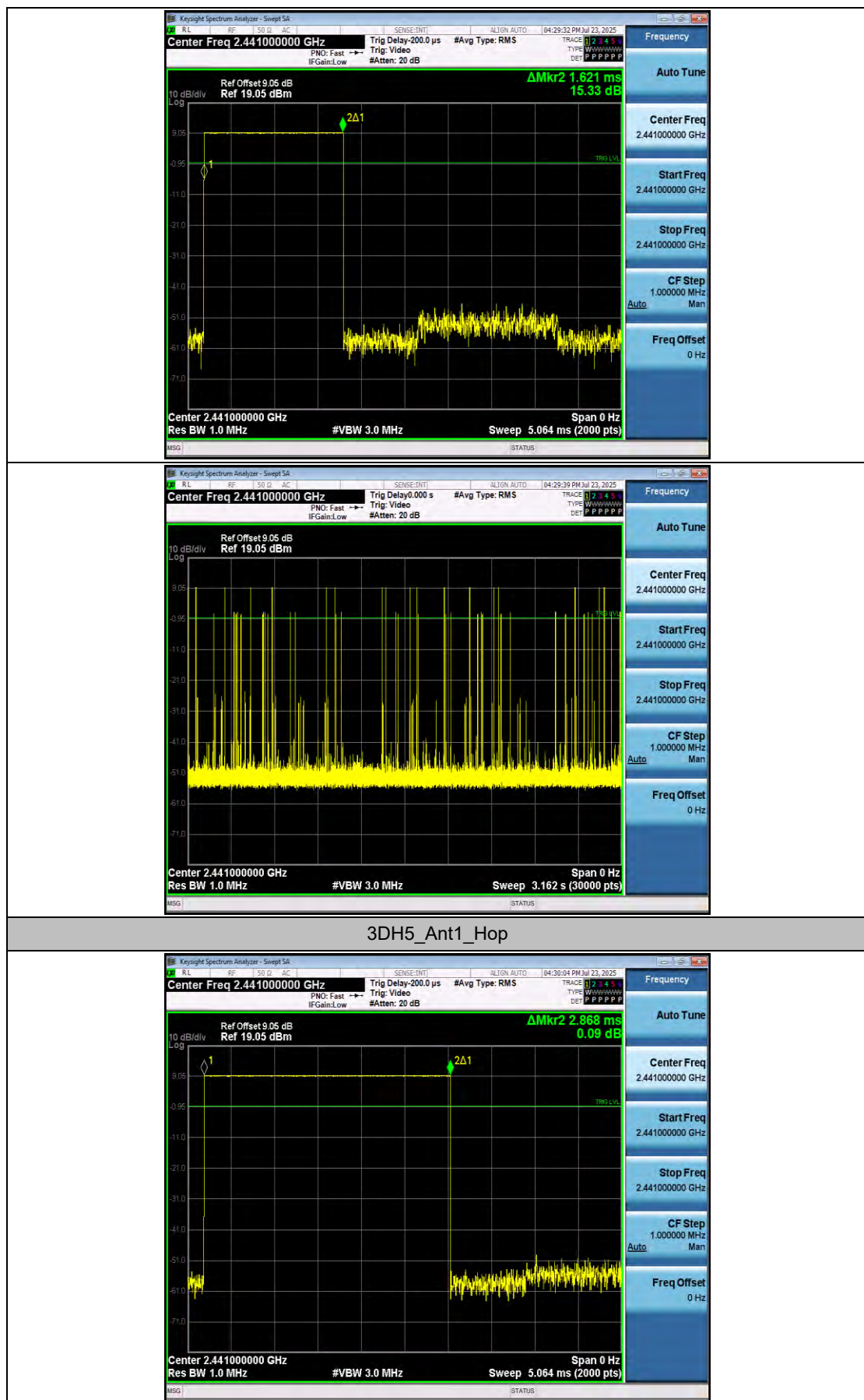


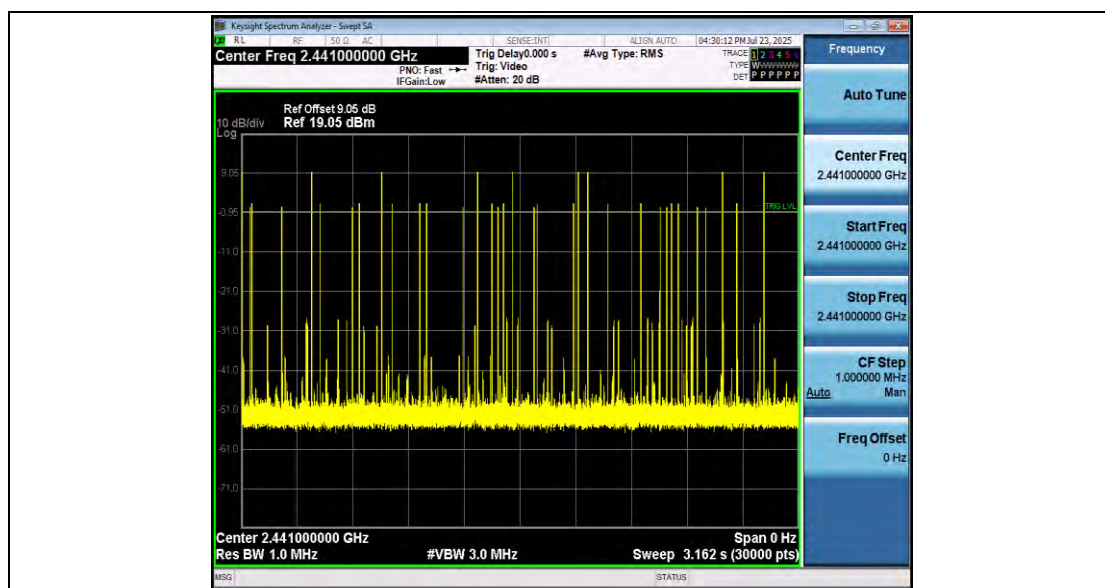


3DH1\_Ant1\_Hop



3DH3\_Ant1\_Hop



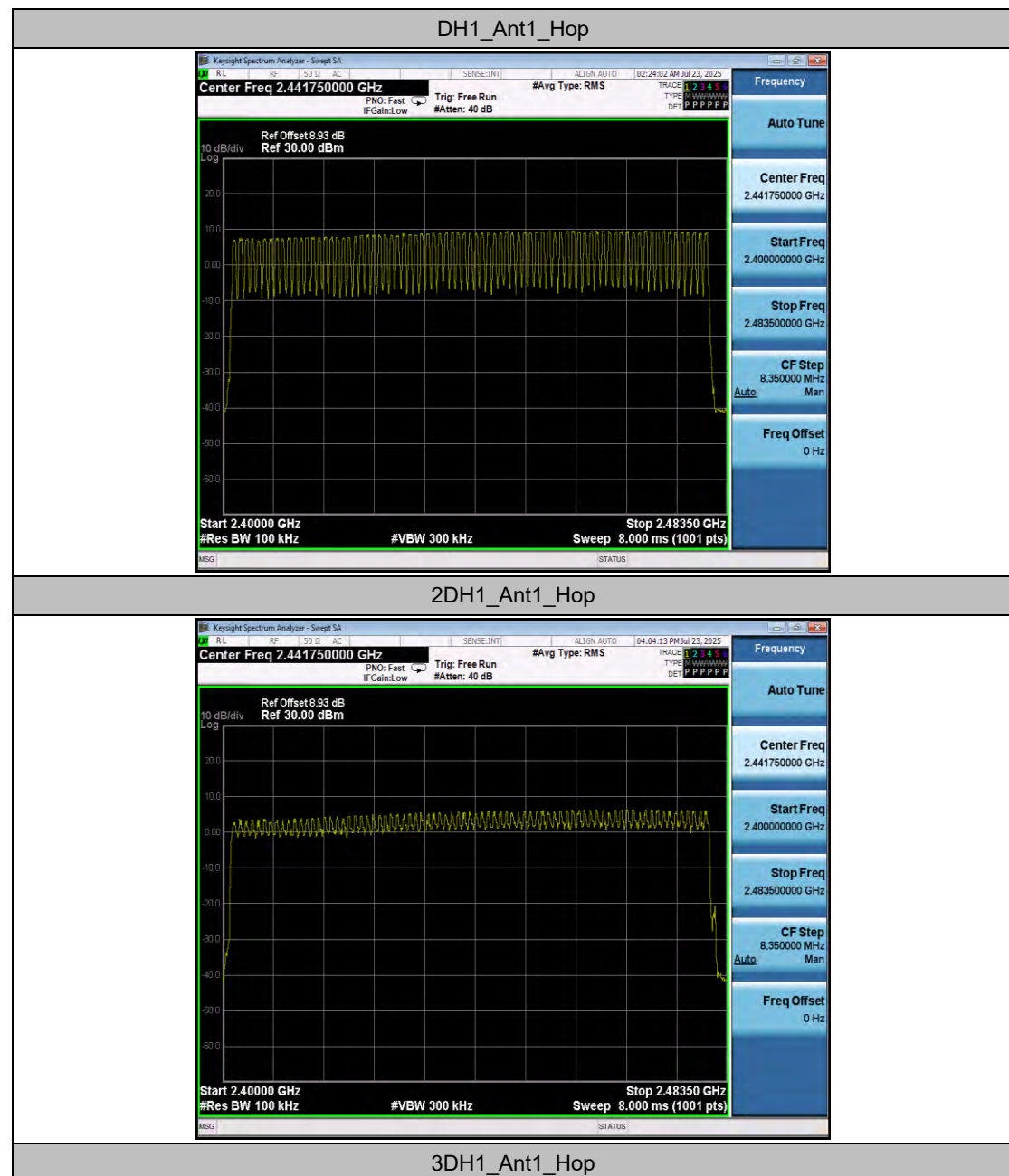


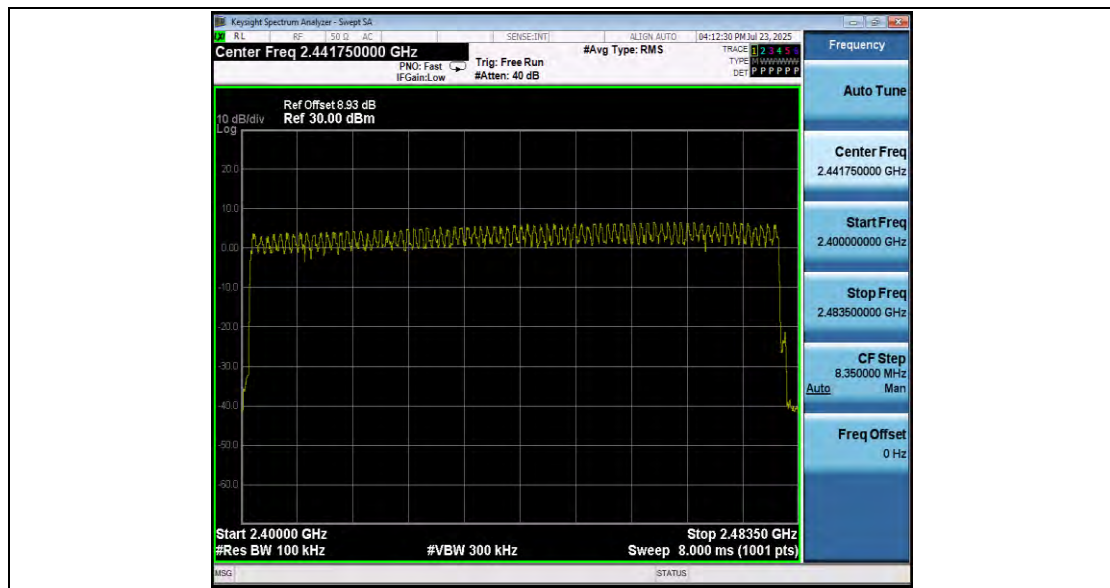
## Appendix A.6: Number of hopping channels

### Test Result

| TestMode | Antenna | Freq(MHz) | Result[Num] | Limit[Num] | Verdict |
|----------|---------|-----------|-------------|------------|---------|
| DH1      | Ant1    | Hop       | 79          | ≥15        | PASS    |
| 2DH1     | Ant1    | Hop       | 79          | ≥15        | PASS    |
| 3DH1     | Ant1    | Hop       | 79          | ≥15        | PASS    |

## Test Graphs



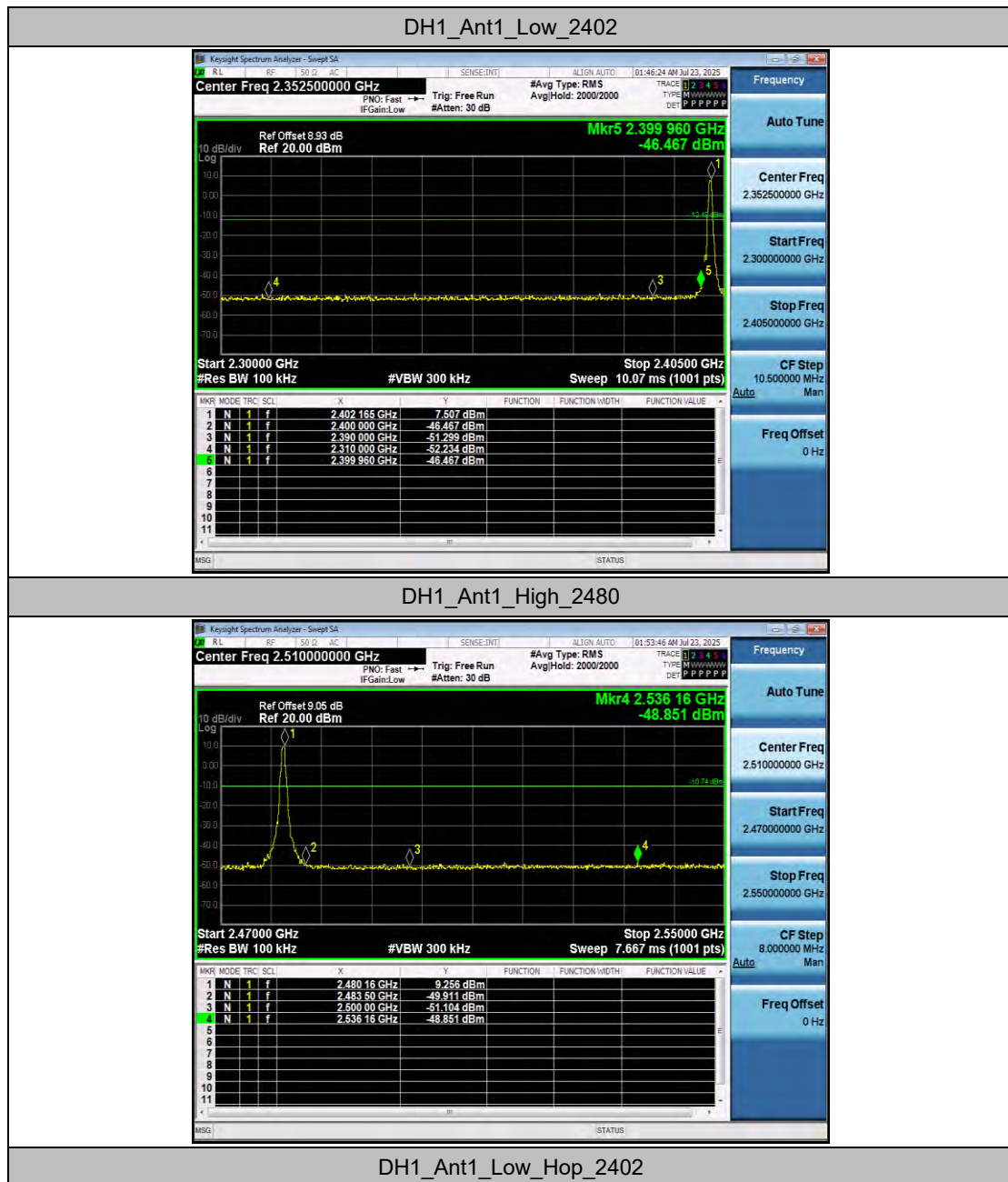


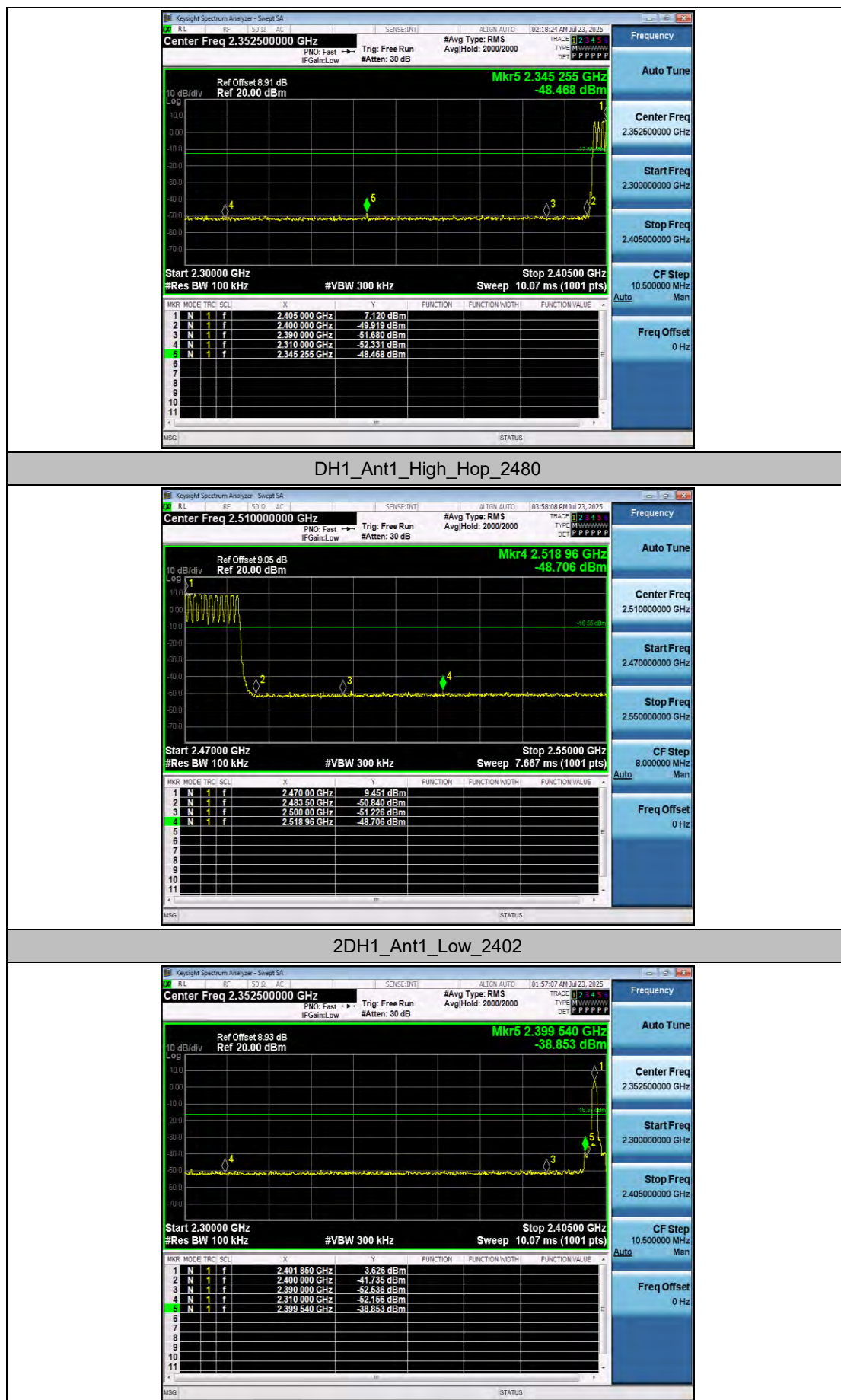
## Appendix A.7: Band edge measurements

### Test Result

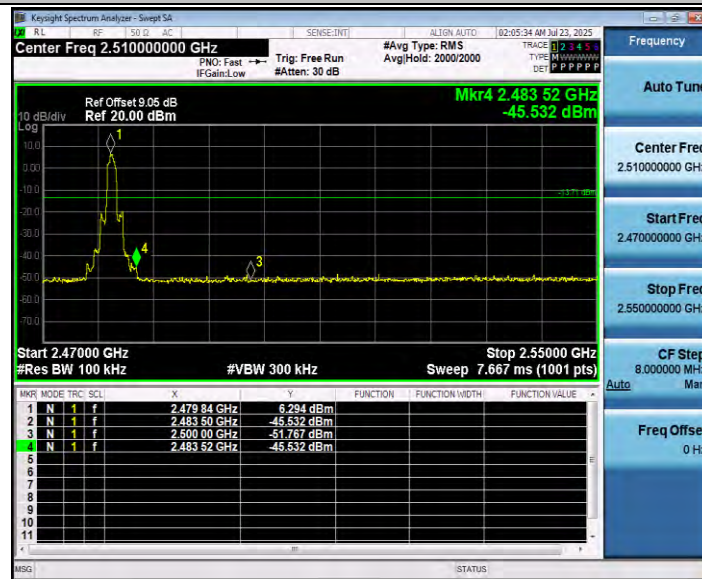
| TestMode | Antenna | ChName | Freq(MHz) | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|--------|-----------|-------------------|-----------------|----------------|---------|
| DH1      | Ant1    | Low    | 2402      | 7.51              | -46.47          | $\leq -12.49$  | PASS    |
|          |         | High   | 2480      | 9.26              | -48.85          | $\leq -10.74$  | PASS    |
|          |         | Low    | Hop_2402  | 7.12              | -48.47          | $\leq -12.88$  | PASS    |
|          |         | High   | Hop_2480  | 9.45              | -48.71          | $\leq -10.55$  | PASS    |
| 2DH1     | Ant1    | Low    | 2402      | 3.63              | -38.85          | $\leq -16.37$  | PASS    |
|          |         | High   | 2480      | 6.29              | -45.53          | $\leq -13.71$  | PASS    |
|          |         | Low    | Hop_2402  | 3.06              | -41.4           | $\leq -16.94$  | PASS    |
|          |         | High   | Hop_2480  | 6.45              | -48.26          | $\leq -13.55$  | PASS    |
| 3DH1     | Ant1    | Low    | 2402      | 3.67              | -37.42          | $\leq -16.33$  | PASS    |
|          |         | High   | 2480      | 6.38              | -44.62          | $\leq -13.62$  | PASS    |
|          |         | Low    | Hop_2402  | 3.34              | -38.51          | $\leq -16.66$  | PASS    |
|          |         | High   | Hop_2480  | 6.14              | -47.76          | $\leq -13.86$  | PASS    |

## Test Graphs

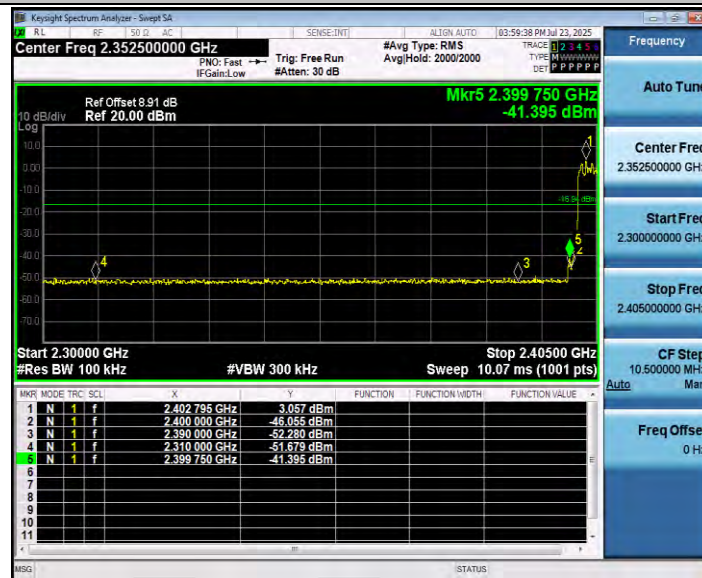




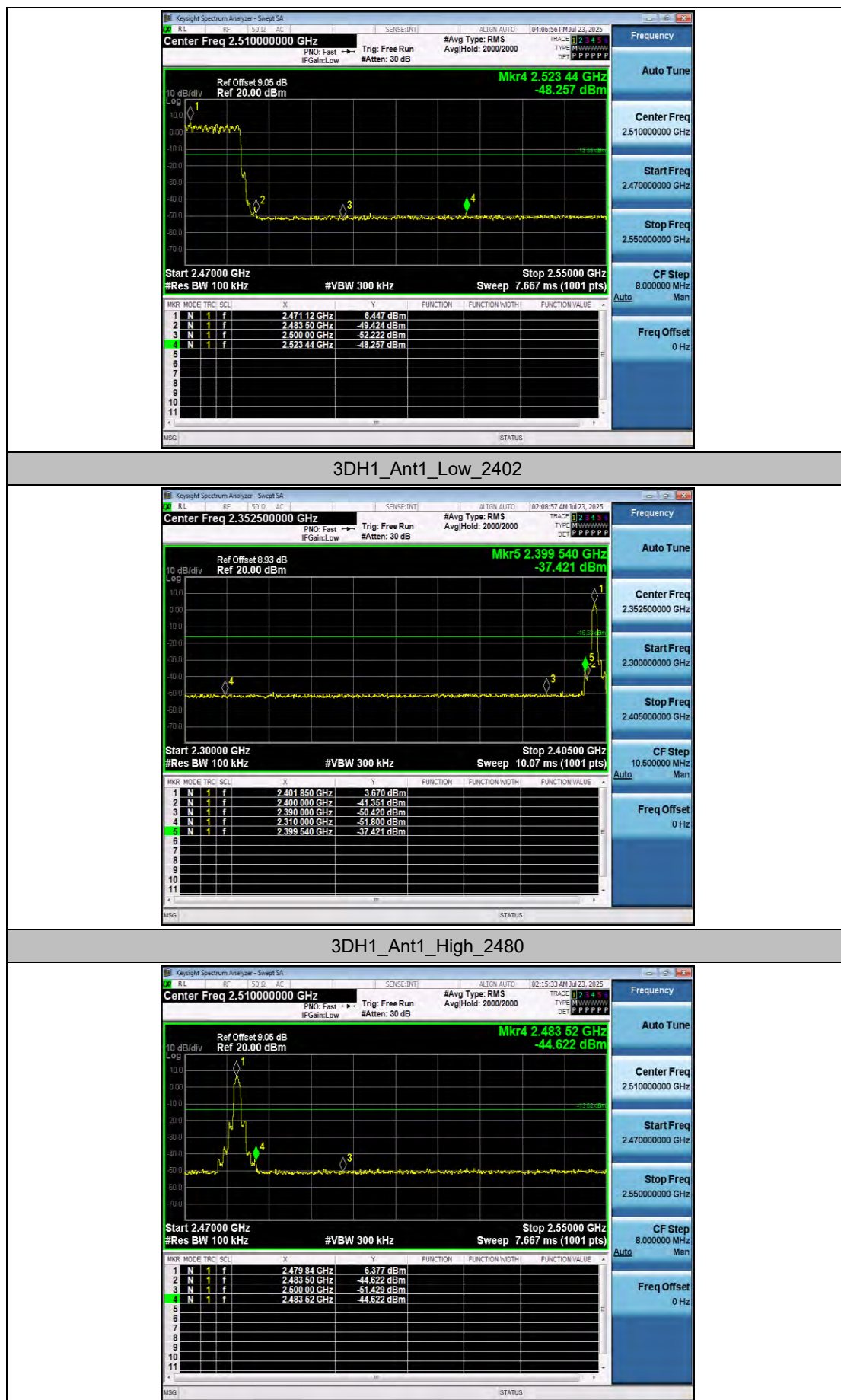
## 2DH1\_Ant1\_High\_2480

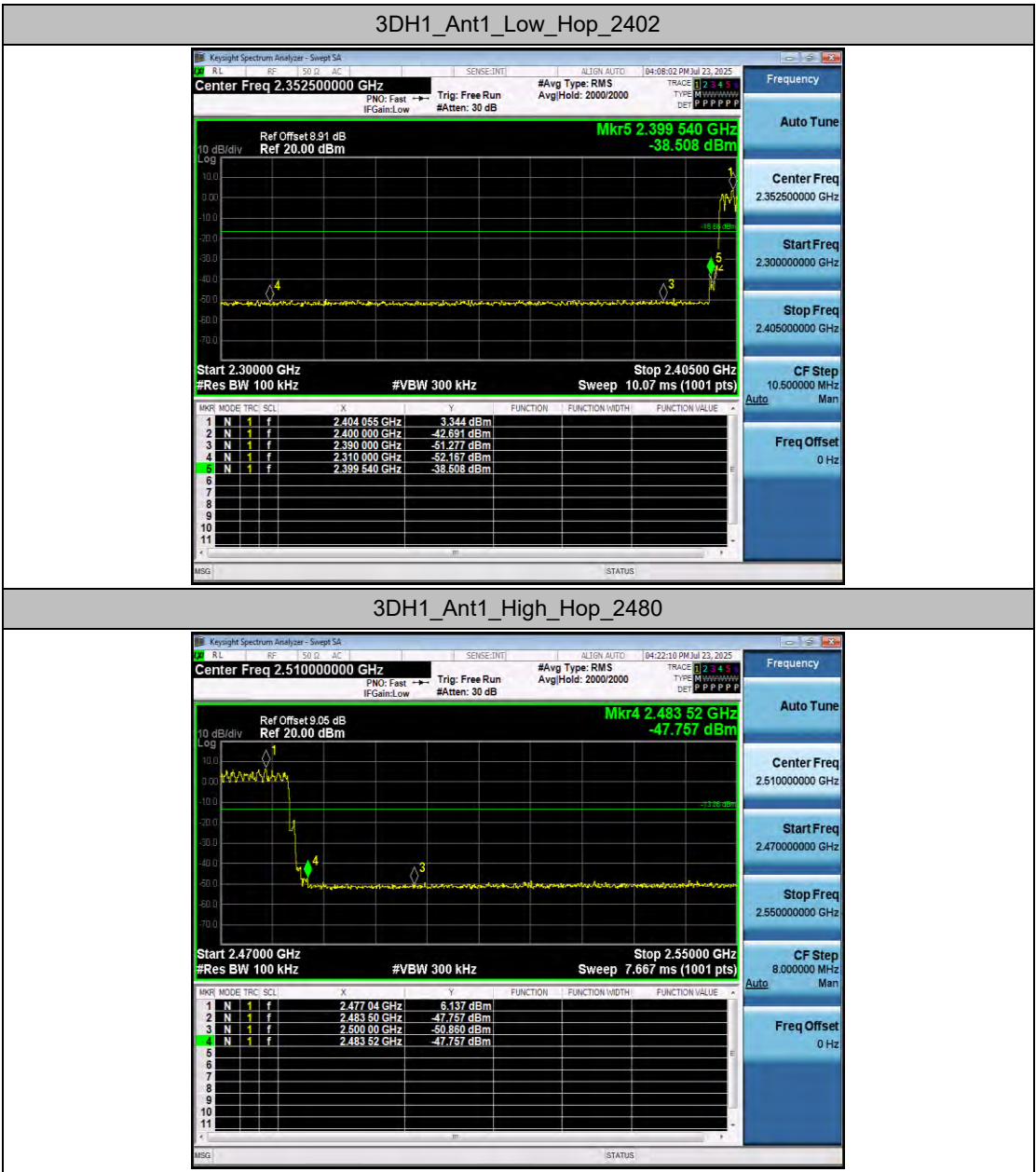


## 2DH1\_Ant1\_Low\_Hop\_2402



## 2DH1\_Ant1\_High\_Hop\_2480



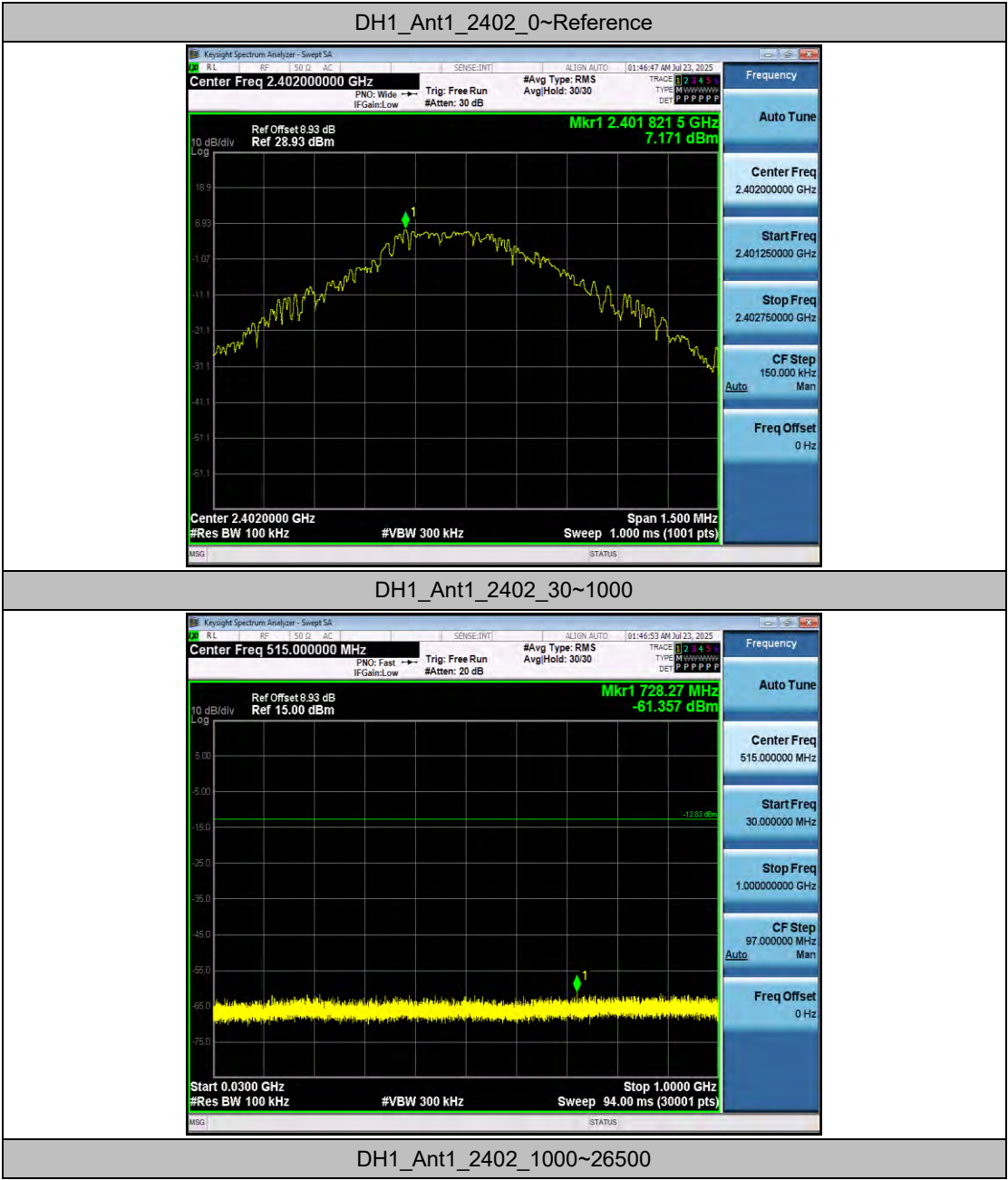


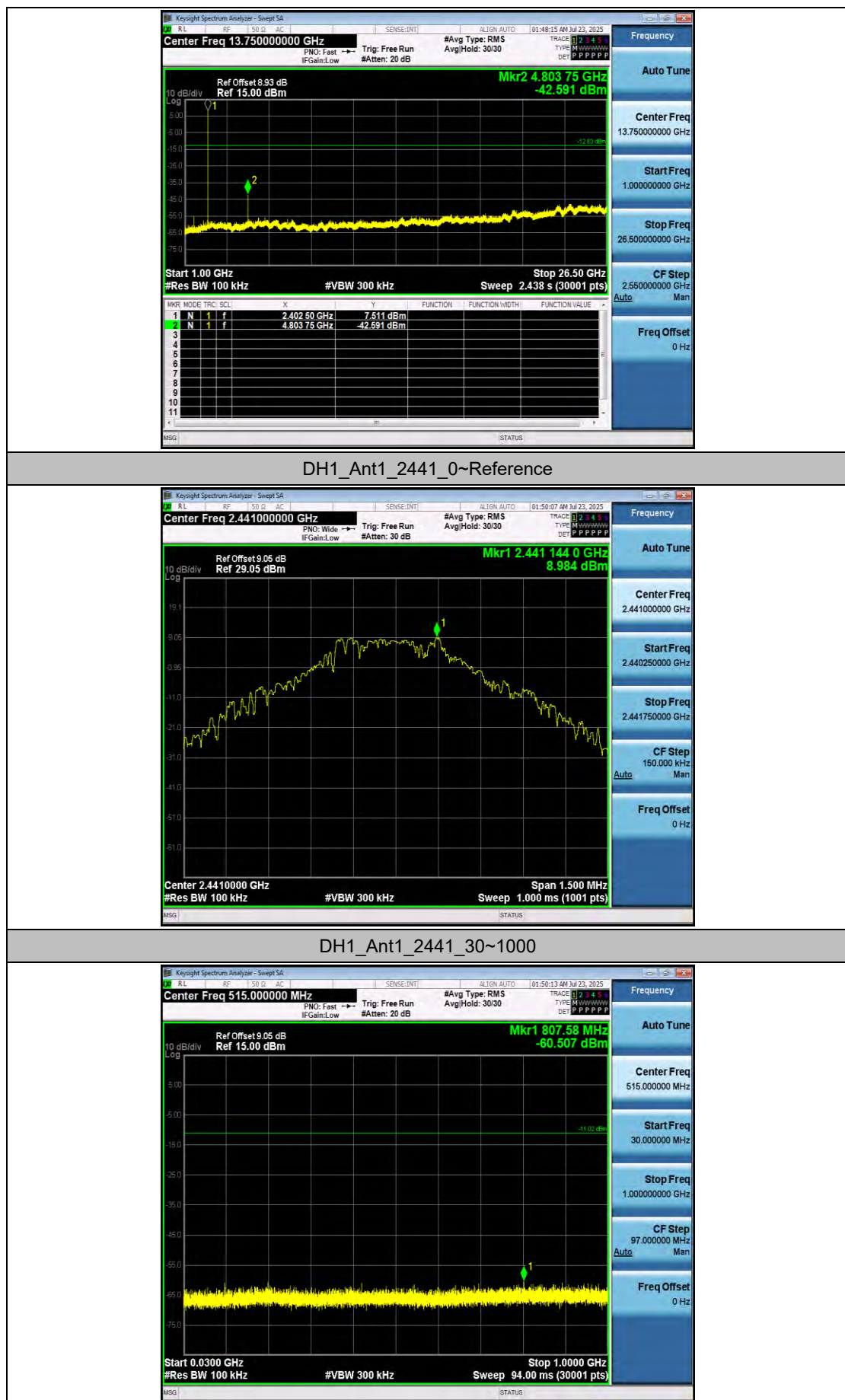
## Appendix A.8: Conducted Spurious Emission

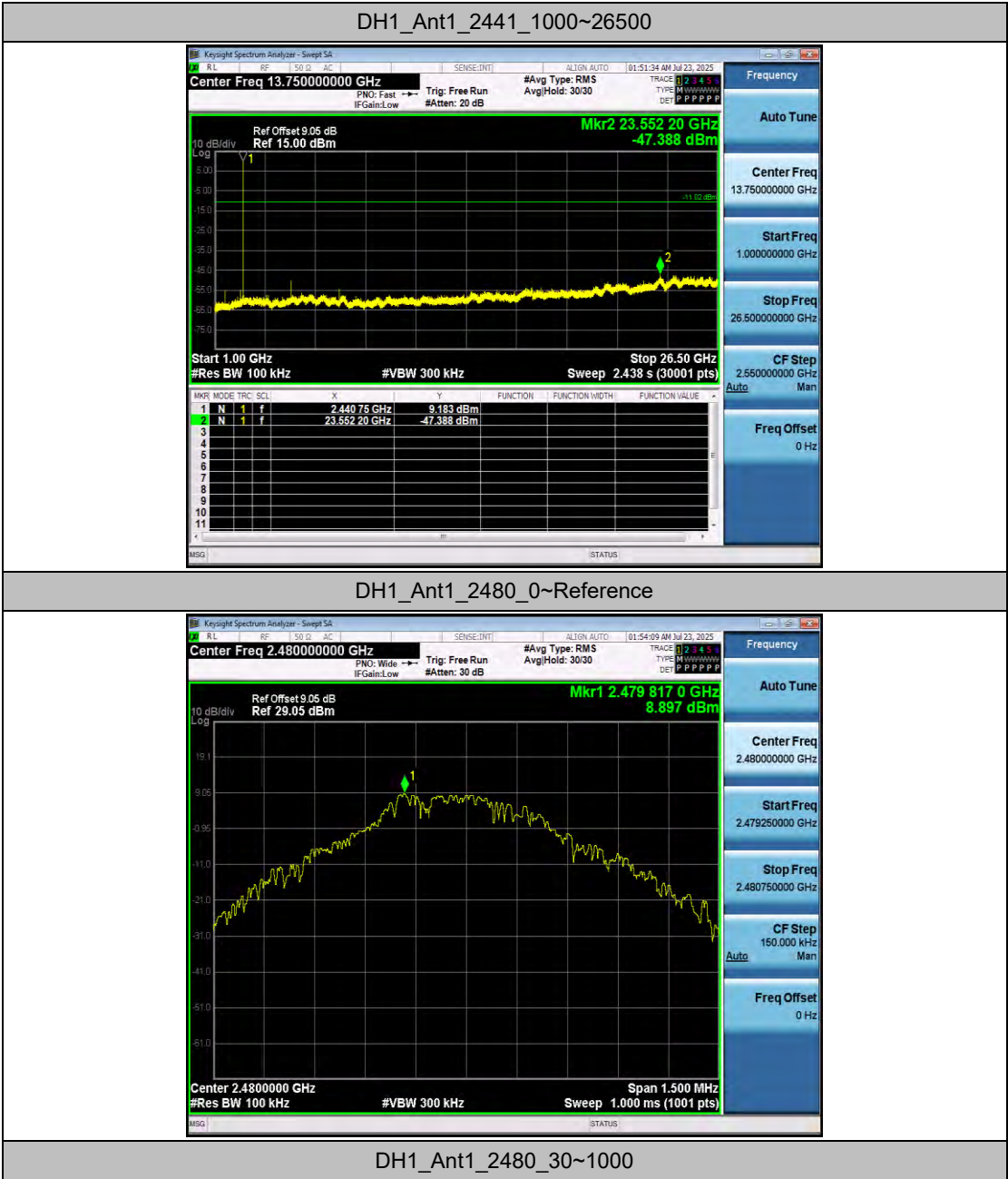
### Test Result

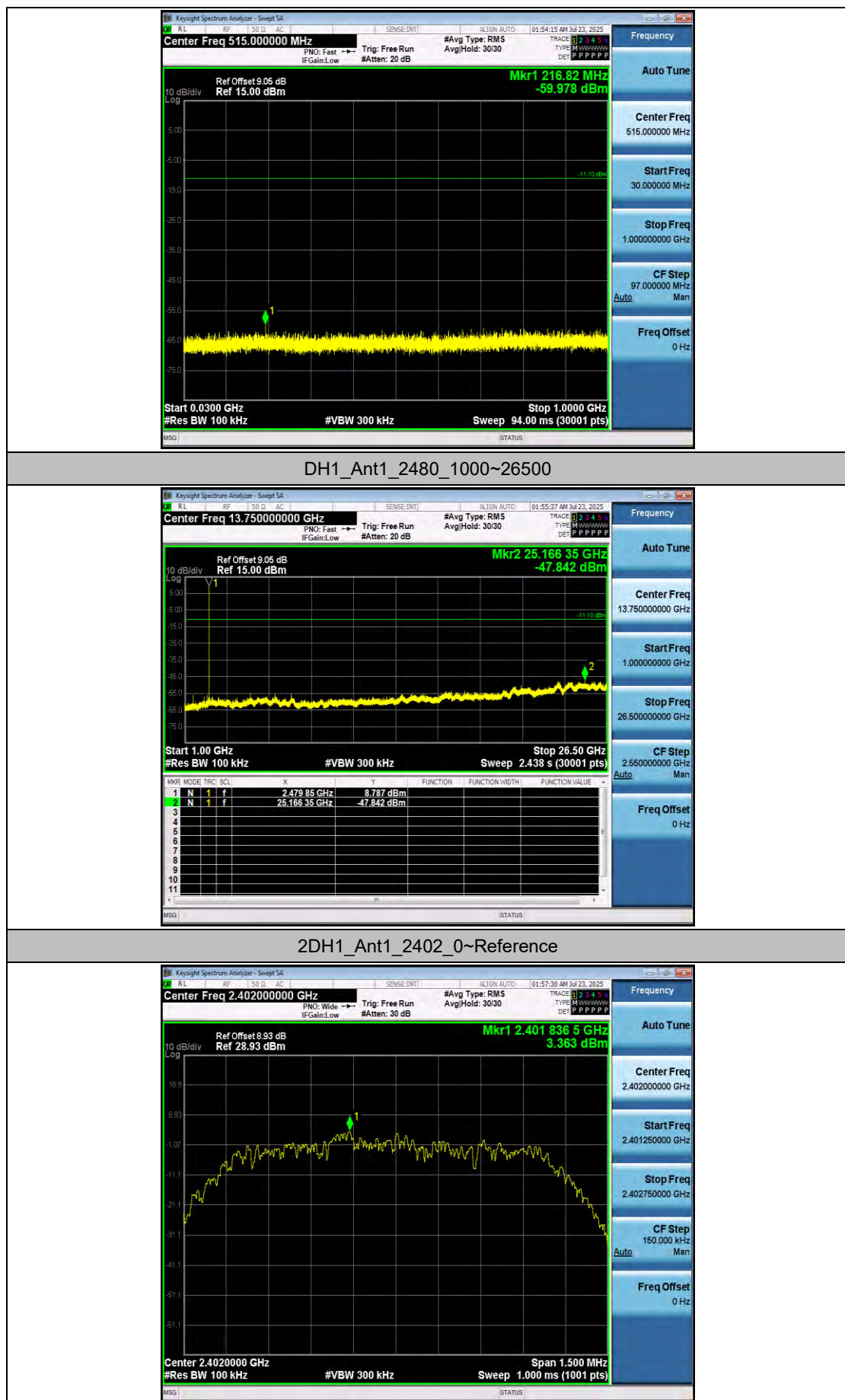
| TestMode | Antenna | Freq(MHz) | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|----------|---------|-----------|-----------------|----------------|--------------|---------------|---------|
| DH1      | Ant1    | 2402      | Reference       | 7.17           | 7.17         | ---           | PASS    |
|          |         |           | 30~1000         | 7.17           | -61.36       | $\leq -12.83$ | PASS    |
|          |         |           | 1000~26500      | 7.17           | -42.59       | $\leq -12.83$ | PASS    |
|          |         | 2441      | Reference       | 8.98           | 8.98         | ---           | PASS    |
|          |         |           | 30~1000         | 8.98           | -60.51       | $\leq -11.02$ | PASS    |
|          |         |           | 1000~26500      | 8.98           | -47.39       | $\leq -11.02$ | PASS    |
|          |         | 2480      | Reference       | 8.90           | 8.90         | ---           | PASS    |
|          |         |           | 30~1000         | 8.90           | -59.98       | $\leq -11.1$  | PASS    |
|          |         |           | 1000~26500      | 8.90           | -47.84       | $\leq -11.1$  | PASS    |
| 2DH1     | Ant1    | 2402      | Reference       | 3.36           | 3.36         | ---           | PASS    |
|          |         |           | 30~1000         | 3.36           | -60.87       | $\leq -16.64$ | PASS    |
|          |         |           | 1000~26500      | 3.36           | -46.74       | $\leq -16.64$ | PASS    |
|          |         | 2441      | Reference       | 5.27           | 5.27         | ---           | PASS    |
|          |         |           | 30~1000         | 5.27           | -59.88       | $\leq -14.73$ | PASS    |
|          |         |           | 1000~26500      | 5.27           | -47.23       | $\leq -14.73$ | PASS    |
|          |         | 2480      | Reference       | 6.11           | 6.11         | ---           | PASS    |
|          |         |           | 30~1000         | 6.11           | -60.01       | $\leq -13.89$ | PASS    |
|          |         |           | 1000~26500      | 6.11           | -47.6        | $\leq -13.89$ | PASS    |
| 3DH1     | Ant1    | 2402      | Reference       | 3.19           | 3.19         | ---           | PASS    |
|          |         |           | 30~1000         | 3.19           | -60.54       | $\leq -16.81$ | PASS    |
|          |         |           | 1000~26500      | 3.19           | -45.45       | $\leq -16.81$ | PASS    |
|          |         | 2441      | Reference       | 5.70           | 5.70         | ---           | PASS    |
|          |         |           | 30~1000         | 5.70           | -61.01       | $\leq -14.3$  | PASS    |
|          |         |           | 1000~26500      | 5.70           | -47.19       | $\leq -14.3$  | PASS    |
|          |         | 2480      | Reference       | 5.58           | 5.58         | ---           | PASS    |
|          |         |           | 30~1000         | 5.58           | -60.86       | $\leq -14.42$ | PASS    |
|          |         |           | 1000~26500      | 5.58           | -47.8        | $\leq -14.42$ | PASS    |

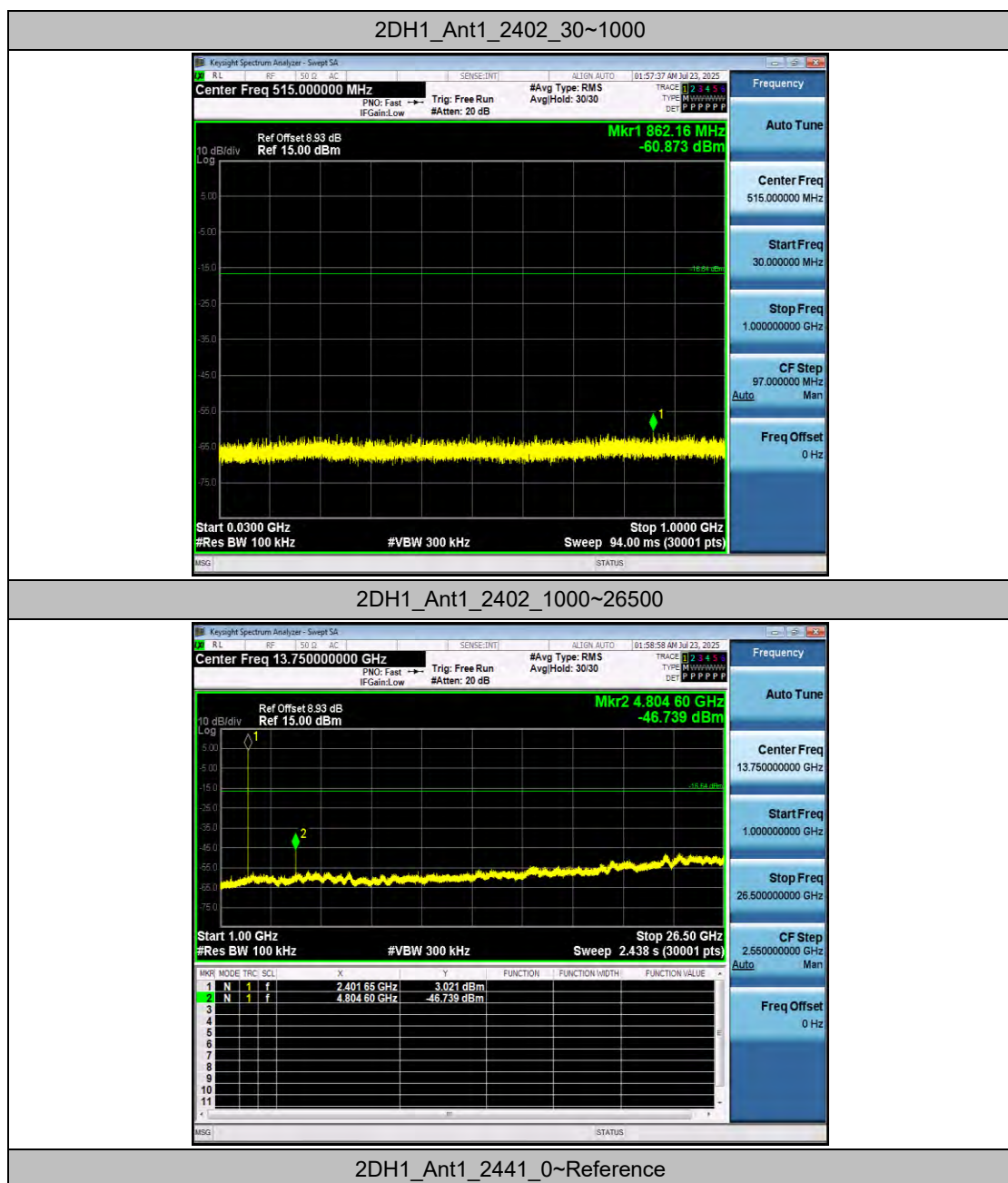
Test Graphs



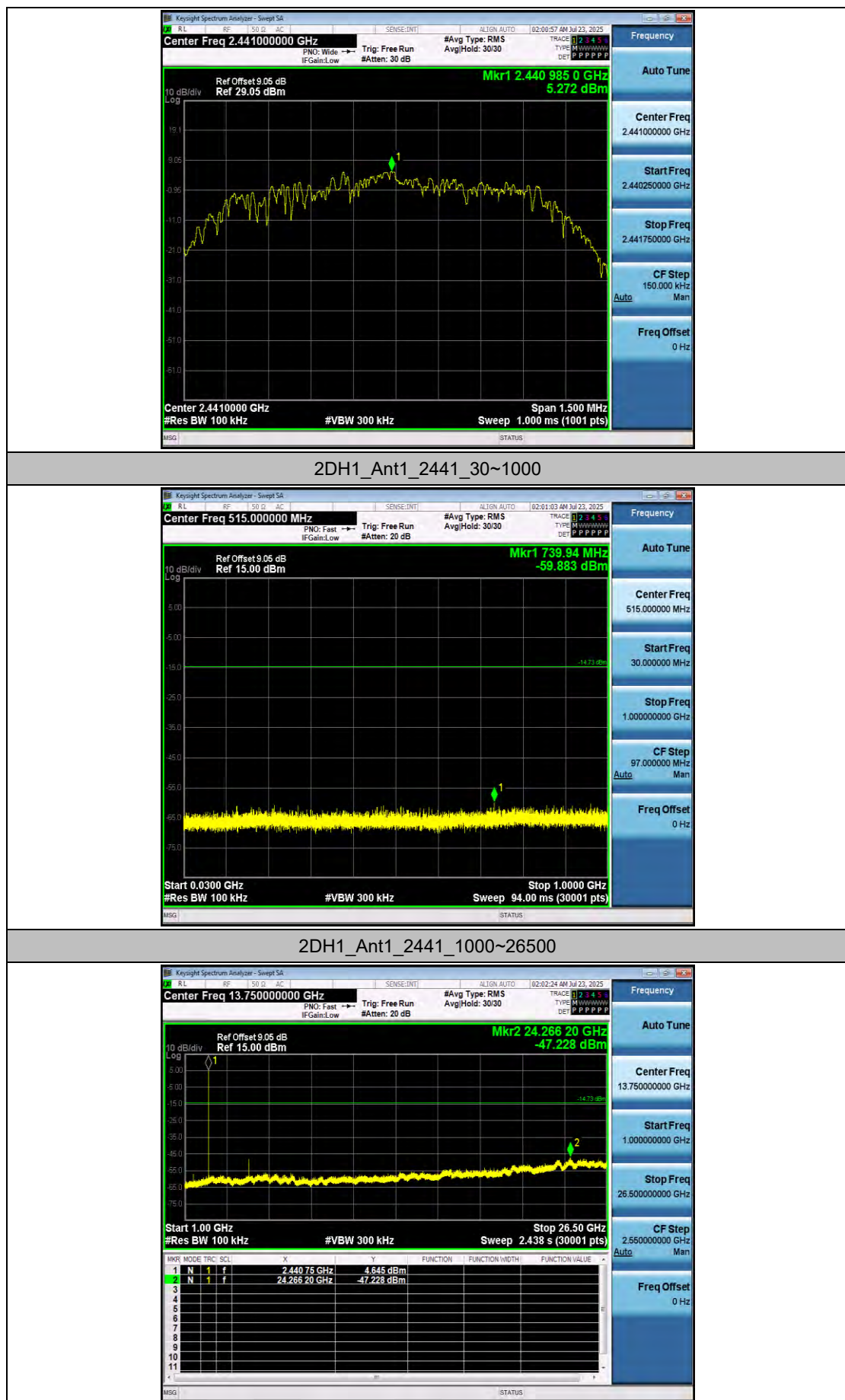








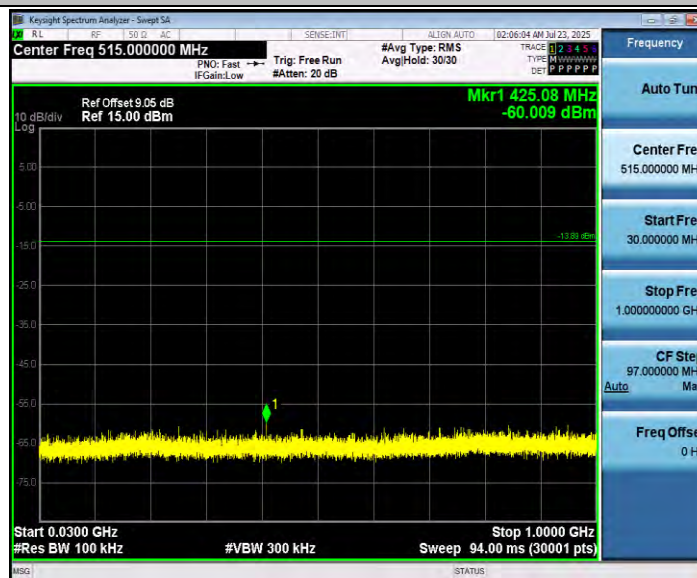
2DH1\_Ant1\_2441\_0~Reference



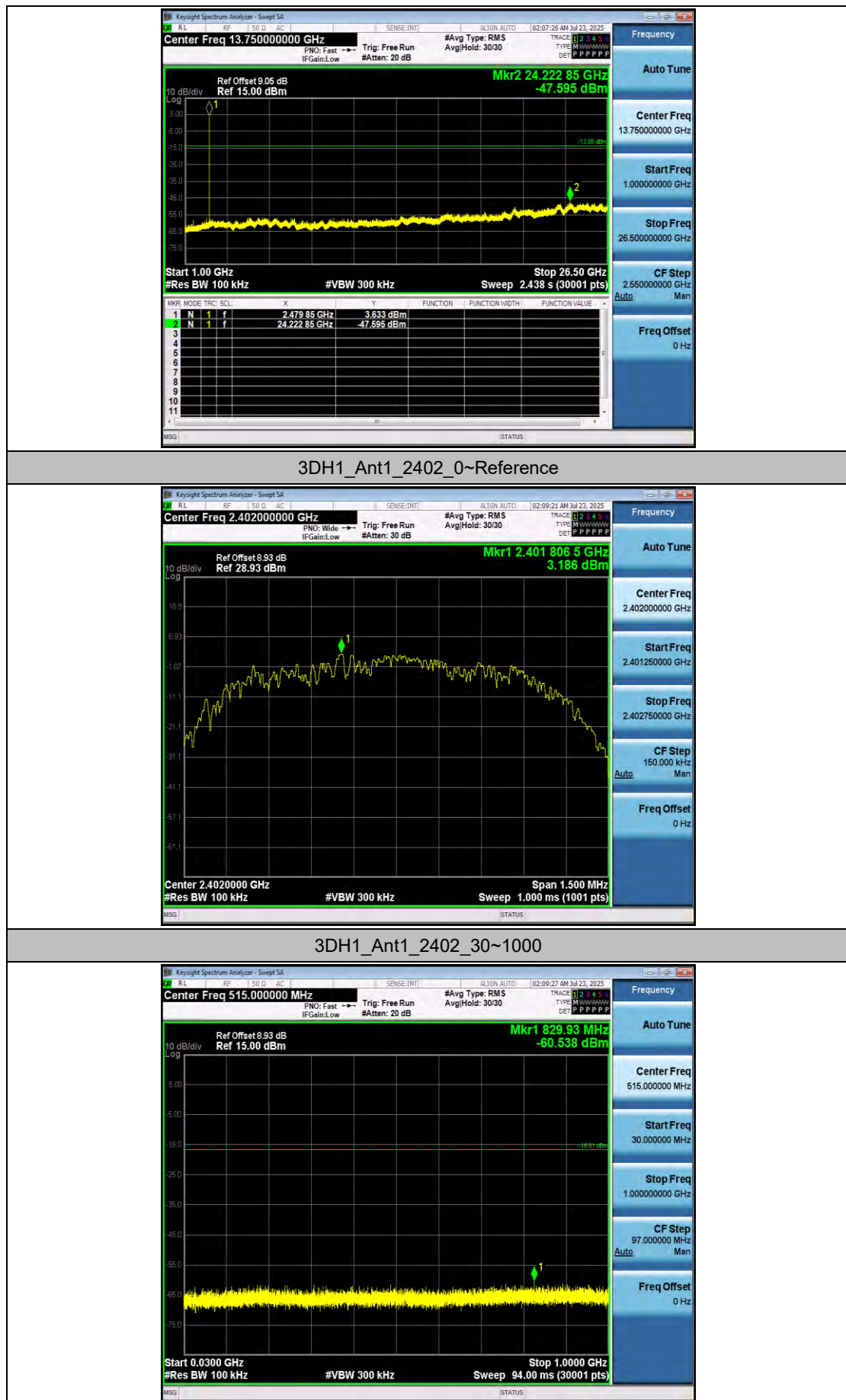
## 2DH1\_Ant1\_2480\_0~Reference

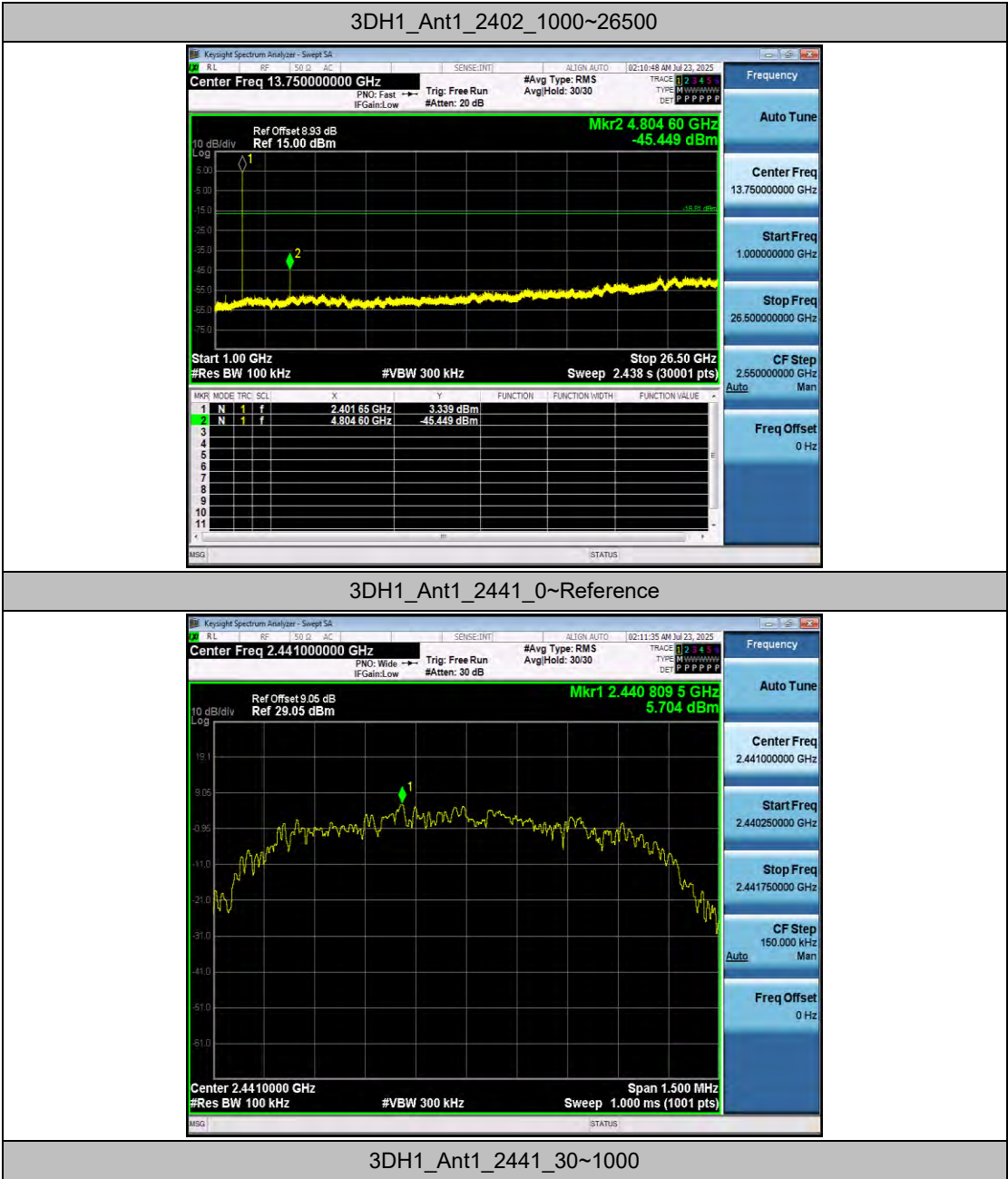


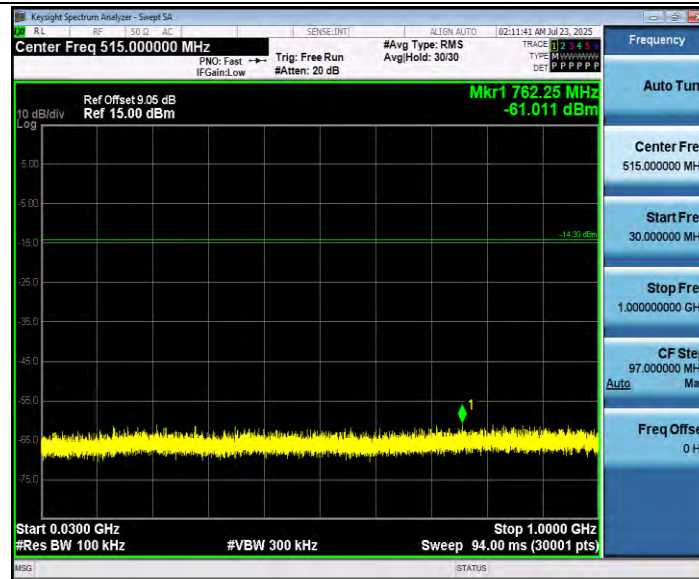
## 2DH1\_Ant1\_2480\_30~1000



## 2DH1\_Ant1\_2480\_1000~26500





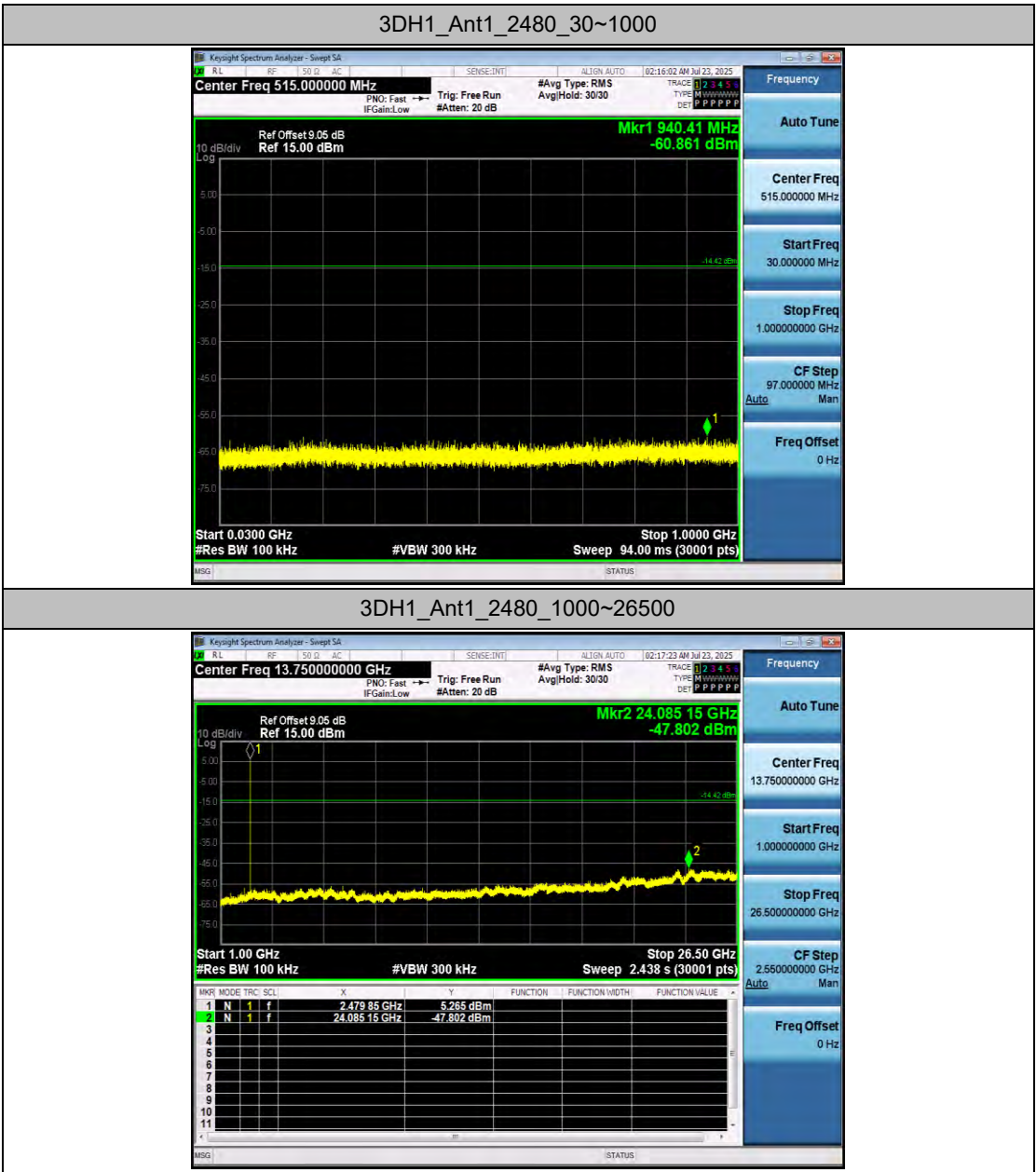


3DH1\_Ant1\_2441\_1000~26500



3DH1\_Ant1\_2480\_0~Reference





## Appendix A.9: Emissions in Restricted Bands

### Test Result

| TestMode | Antenna | ChName | Freq(MHz) | Detector | Freq [MHz] | Result [dBm] | Limit [dBm] | Result [dBuV/m] | Limit [dBuV/m] | Verdict |
|----------|---------|--------|-----------|----------|------------|--------------|-------------|-----------------|----------------|---------|
| DH1      | Ant1    | Low    | 2402      | AV       | 2310.000   | -49.31       | ≤-41.20     | 45.89           | ≤54            | PASS    |
|          |         |        |           | AV       | 2369.510   | -48.7        | ≤-41.20     | 46.50           | ≤54            | PASS    |
|          |         |        |           | AV       | 2390.000   | -48.9        | ≤-41.20     | 46.30           | ≤54            | PASS    |
|          |         |        |           | Peak     | 2310.000   | -41.43       | ≤-21.20     | 53.77           | ≤74            | PASS    |
|          |         |        |           | Peak     | 2380.430   | -38.58       | ≤-21.20     | 56.62           | ≤74            | PASS    |
|          |         |        |           | Peak     | 2390.000   | -41.25       | ≤-21.20     | 53.95           | ≤74            | PASS    |
|          |         | High   | 2480      | AV       | 2483.500   | -46.9        | ≤-41.20     | 48.30           | ≤54            | PASS    |
|          |         |        |           | AV       | 2483.520   | -46.9        | ≤-41.20     | 48.30           | ≤54            | PASS    |
|          |         |        |           | AV       | 2500.000   | -48.68       | ≤-41.20     | 46.52           | ≤54            | PASS    |
|          |         |        |           | Peak     | 2483.500   | -37.88       | ≤-21.20     | 57.32           | ≤74            | PASS    |
|          |         |        |           | Peak     | 2483.600   | -37.84       | ≤-21.20     | 57.36           | ≤74            | PASS    |
|          |         |        |           | Peak     | 2500.000   | -40.56       | ≤-21.20     | 54.64           | ≤74            | PASS    |
| 2DH1     | Ant1    | Low    | 2402      | AV       | 2310.000   | -49.39       | ≤-41.20     | 45.81           | ≤54            | PASS    |
|          |         |        |           | AV       | 2389.460   | -48.66       | ≤-41.20     | 46.54           | ≤54            | PASS    |
|          |         |        |           | AV       | 2390.000   | -48.91       | ≤-41.20     | 46.29           | ≤54            | PASS    |
|          |         |        |           | Peak     | 2310.000   | -41.64       | ≤-21.20     | 53.56           | ≤74            | PASS    |
|          |         |        |           | Peak     | 2364.470   | -38.27       | ≤-21.20     | 56.93           | ≤74            | PASS    |
|          |         |        |           | Peak     | 2390.000   | -39.68       | ≤-21.20     | 55.52           | ≤74            | PASS    |
|          |         | High   | 2480      | AV       | 2483.500   | -45.61       | ≤-41.20     | 49.59           | ≤54            | PASS    |
|          |         |        |           | AV       | 2483.520   | -45.61       | ≤-41.20     | 49.59           | ≤54            | PASS    |
|          |         |        |           | AV       | 2500.000   | -48.75       | ≤-41.20     | 46.45           | ≤54            | PASS    |
|          |         |        |           | Peak     | 2483.500   | -35.2        | ≤-21.20     | 60.00           | ≤74            | PASS    |
|          |         |        |           | Peak     | 2483.520   | -35.2        | ≤-21.20     | 60.00           | ≤74            | PASS    |
|          |         |        |           | Peak     | 2500.000   | -41.63       | ≤-21.20     | 53.57           | ≤74            | PASS    |
| 3DH1     | Ant1    | Low    | 2402      | AV       | 2310.000   | -49.28       | ≤-41.20     | 45.92           | ≤54            | PASS    |
|          |         |        |           | AV       | 2389.145   | -48.8        | ≤-41.20     | 46.40           | ≤54            | PASS    |
|          |         |        |           | AV       | 2390.000   | -48.98       | ≤-41.20     | 46.22           | ≤54            | PASS    |
|          |         |        |           | Peak     | 2310.000   | -41.26       | ≤-21.20     | 53.94           | ≤74            | PASS    |
|          |         |        |           | Peak     | 2346.095   | -38.36       | ≤-21.20     | 56.84           | ≤74            | PASS    |
|          |         |        |           | Peak     | 2390.000   | -41.97       | ≤-21.20     | 53.23           | ≤74            | PASS    |
|          |         | High   | 2480      | AV       | 2483.500   | -45.8        | ≤-41.20     | 49.40           | ≤54            | PASS    |
|          |         |        |           | AV       | 2483.520   | -45.79       | ≤-41.20     | 49.41           | ≤54            | PASS    |
|          |         |        |           | AV       | 2500.000   | -48.62       | ≤-41.20     | 46.58           | ≤54            | PASS    |
|          |         |        |           | Peak     | 2483.500   | -37.08       | ≤-21.20     | 58.12           | ≤74            | PASS    |
|          |         |        |           | Peak     | 2483.680   | -34.79       | ≤-21.20     | 60.41           | ≤74            | PASS    |

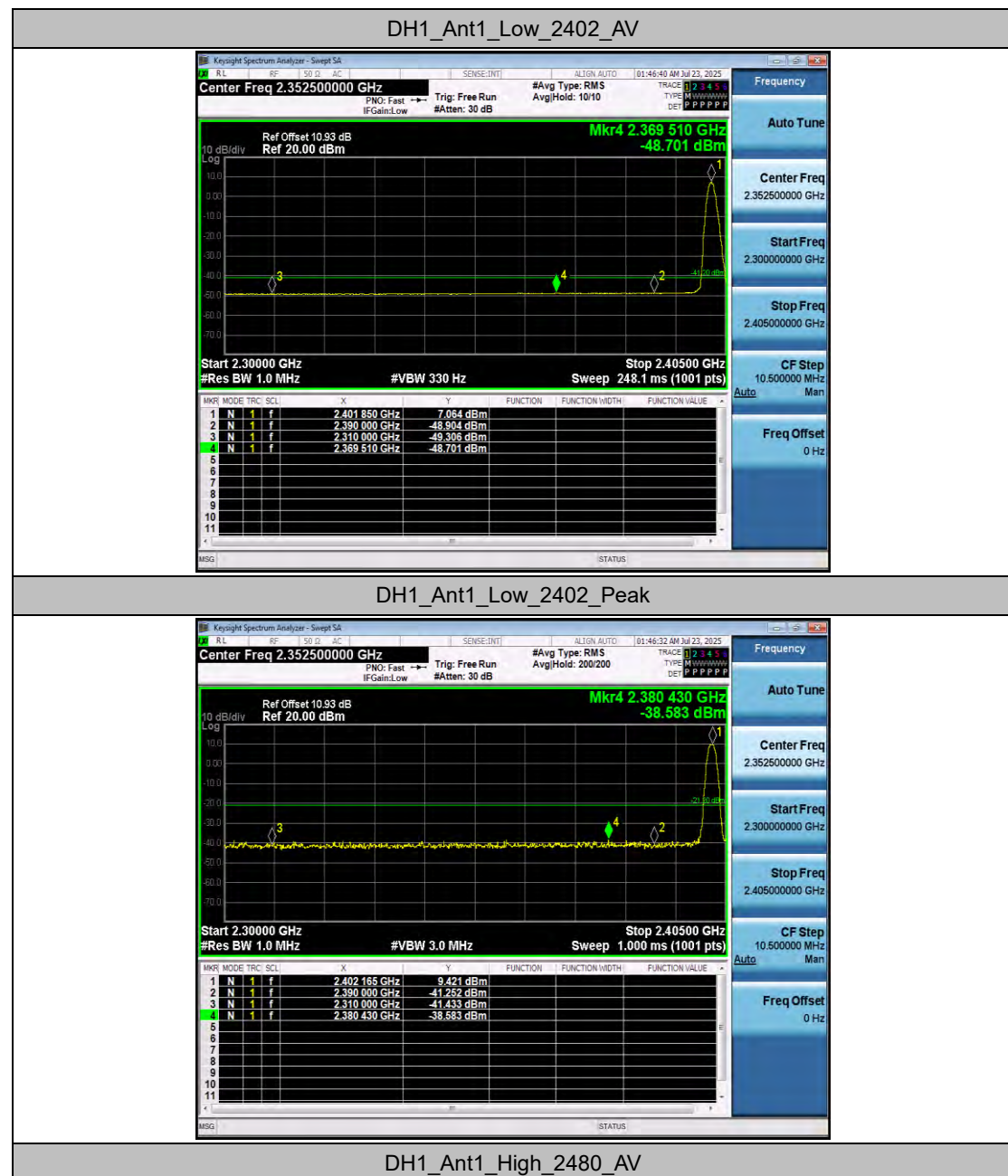
---

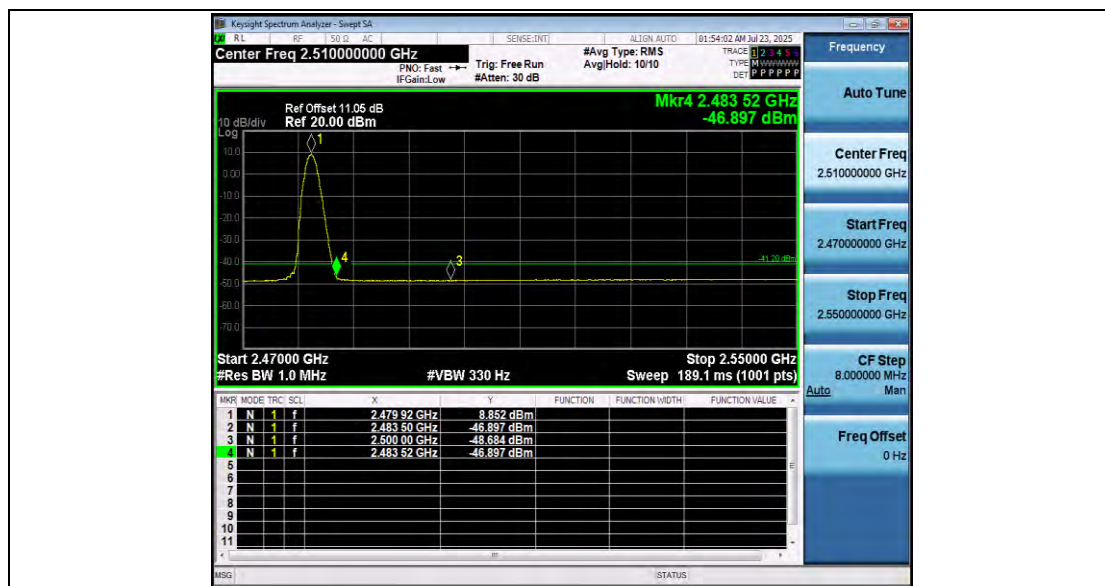
|  |  |  |  |      |          |        |               |       |           |      |
|--|--|--|--|------|----------|--------|---------------|-------|-----------|------|
|  |  |  |  | Peak | 2500.000 | -39.26 | $\leq -21.20$ | 55.94 | $\leq 74$ | PASS |
|--|--|--|--|------|----------|--------|---------------|-------|-----------|------|

## Note:

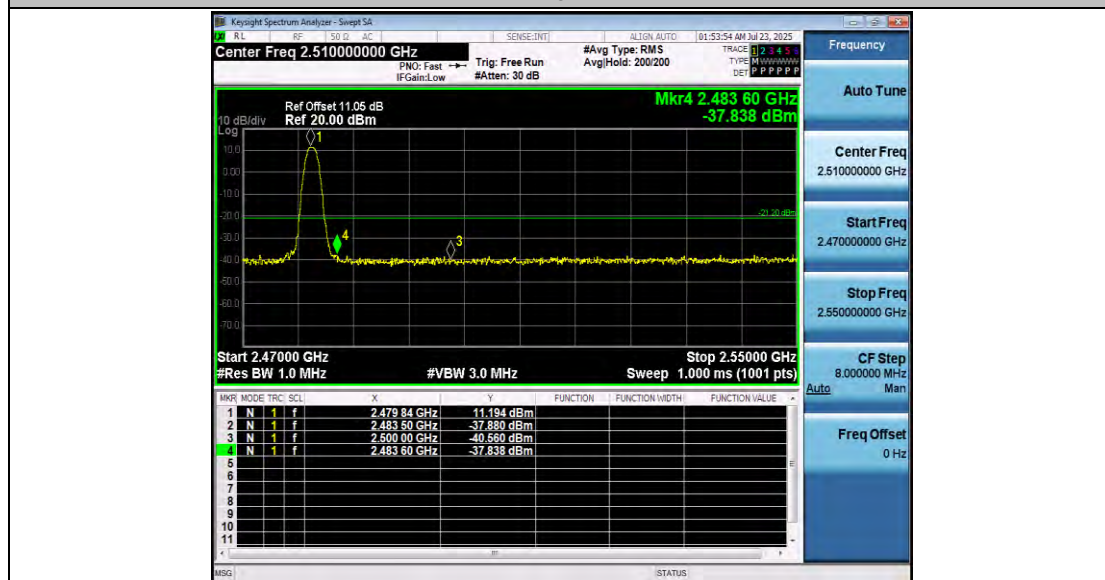
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

## Test Graphs

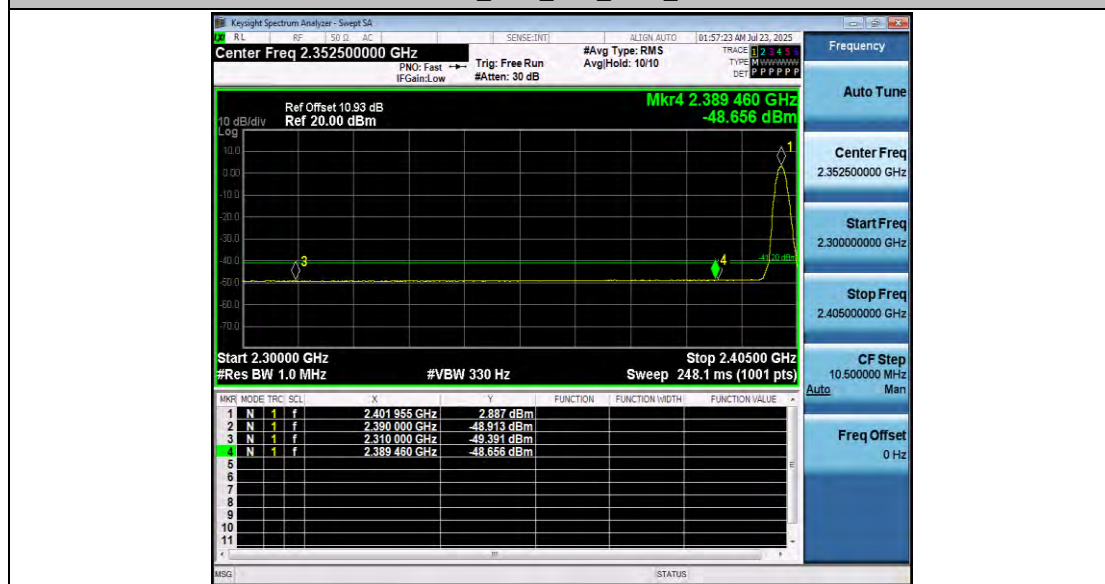


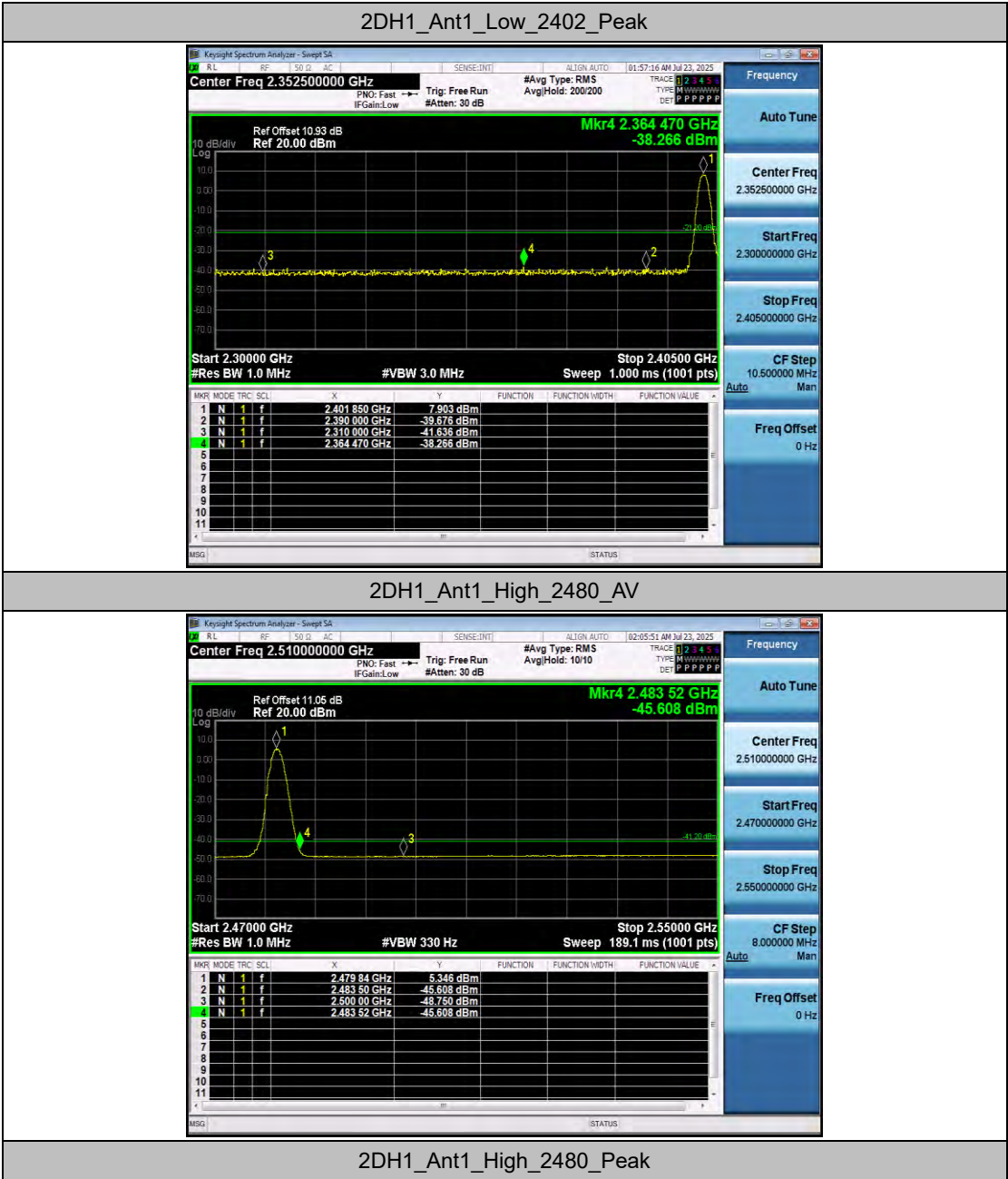


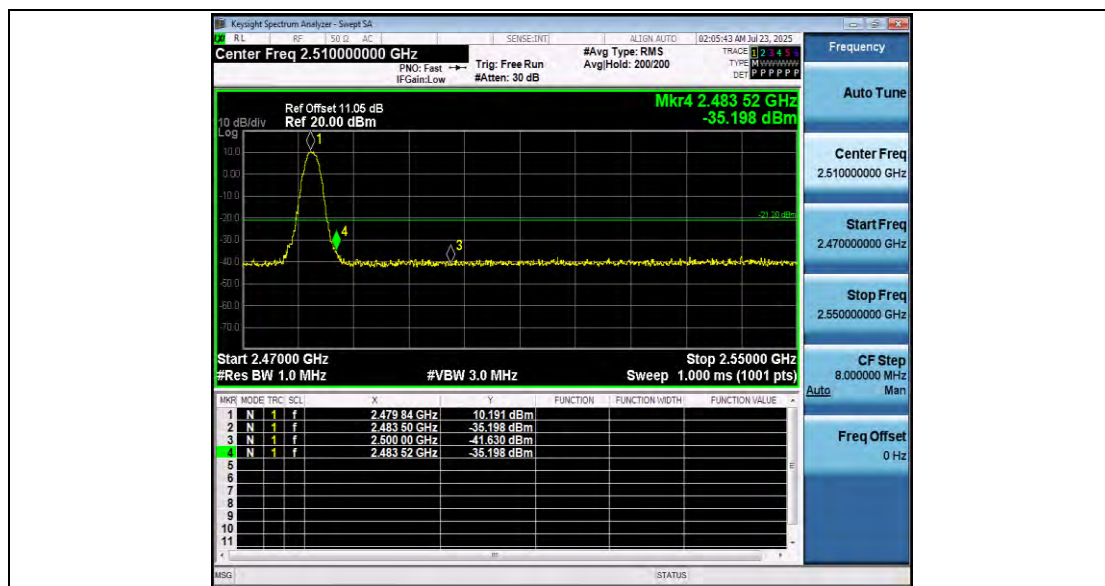
DH1\_Ant1\_High\_2480\_Peak



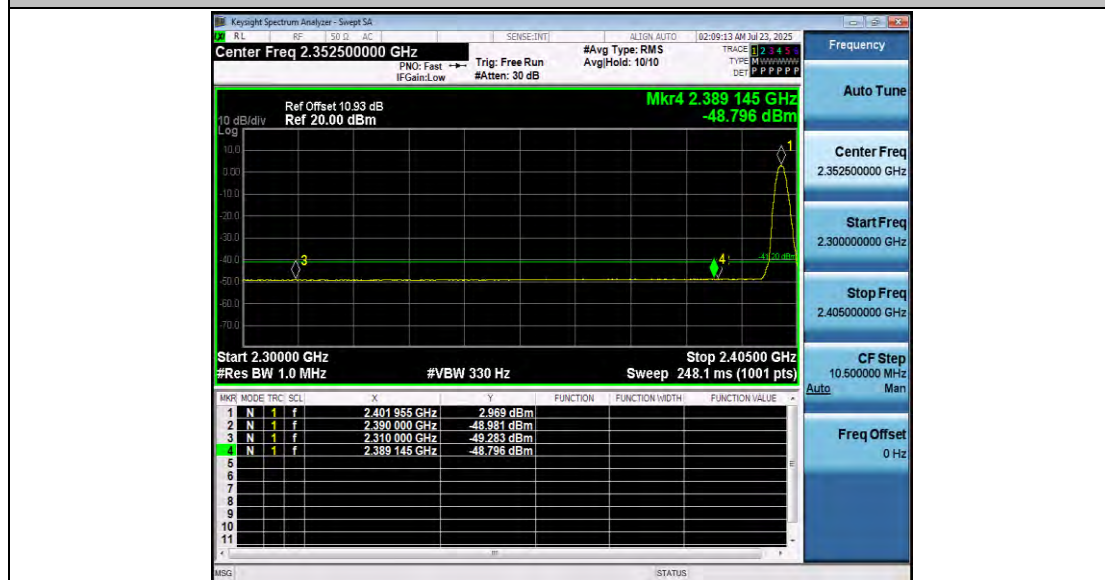
2DH1\_Ant1\_Low\_2402\_AV



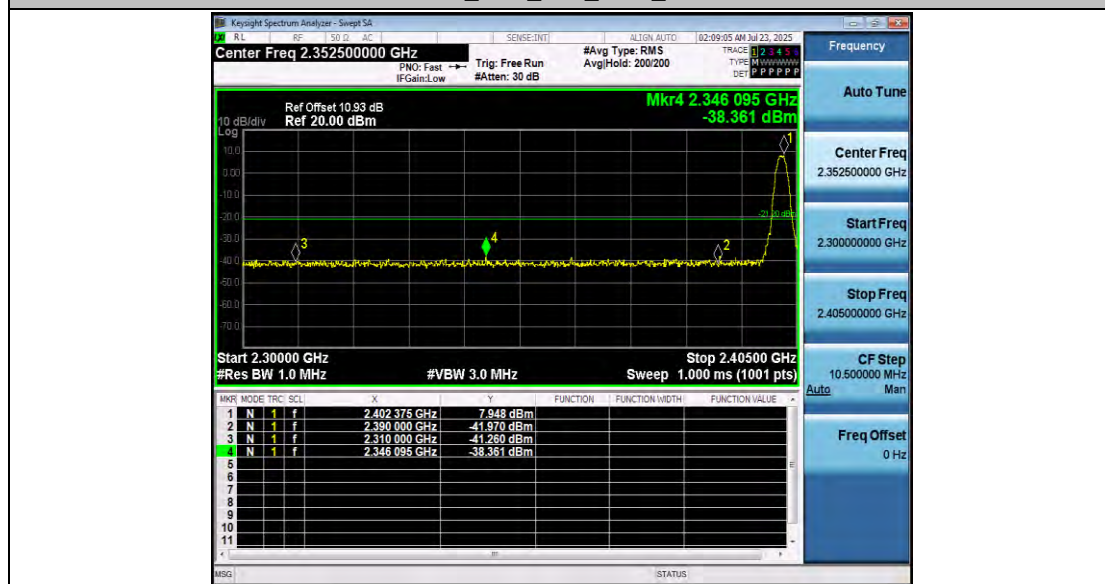


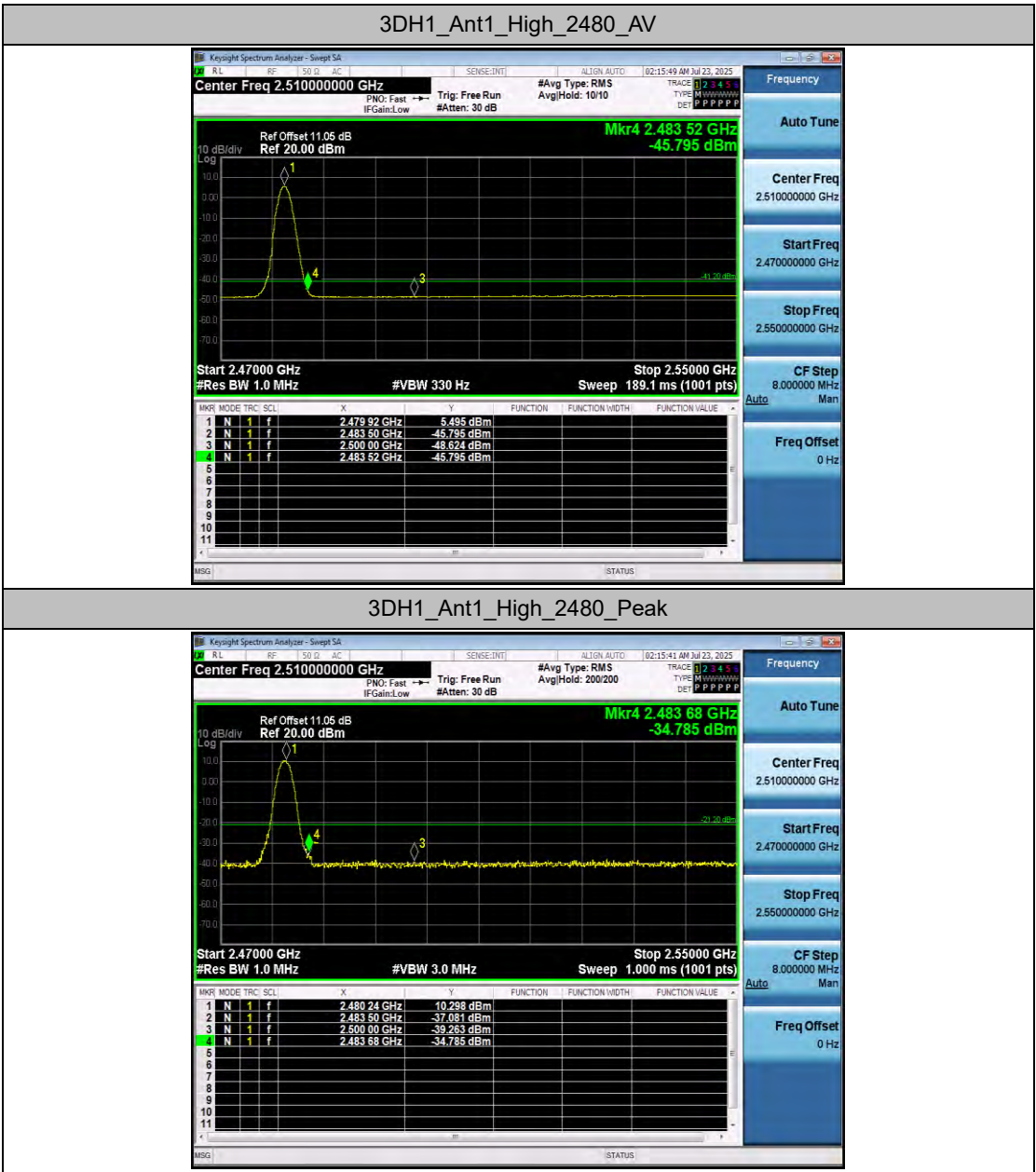


3DH1\_Ant1\_Low\_2402\_AV



3DH1\_Ant1\_Low\_2402\_Peak





3DH1\_Ant1\_High\_2480\_Peak

Frequency  
Auto Tune  
Center Freq 2.510000000 GHz  
Start Freq 2.470000000 GHz  
Stop Freq 2.550000000 GHz  
CF Step 8.0000000 MHz  
Auto  
Freq Offset 0 Hz