

## Appendix A

### RF Test Data for BT (Conducted Measurement)

Product Name: Tablet

Test Model: MegaPad

#### Environmental Conditions

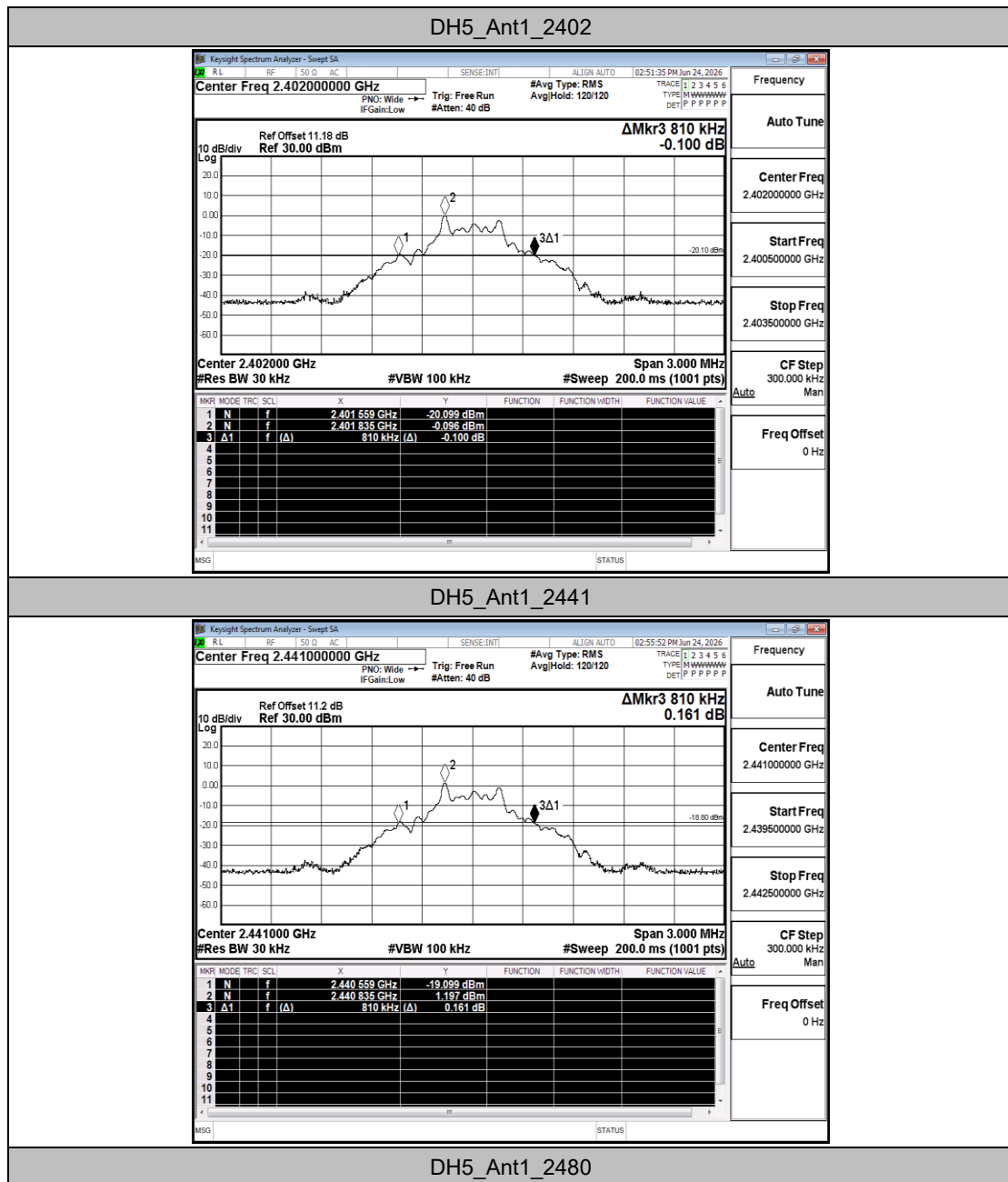
|                    |              |
|--------------------|--------------|
| Temperature:       | 24.1°C       |
| Relative Humidity: | 53.2%        |
| ATM Pressure:      | 100.0 kPa    |
| Test Engineer:     | Zhang hai    |
| Supervised by:     | Fengliu Tang |

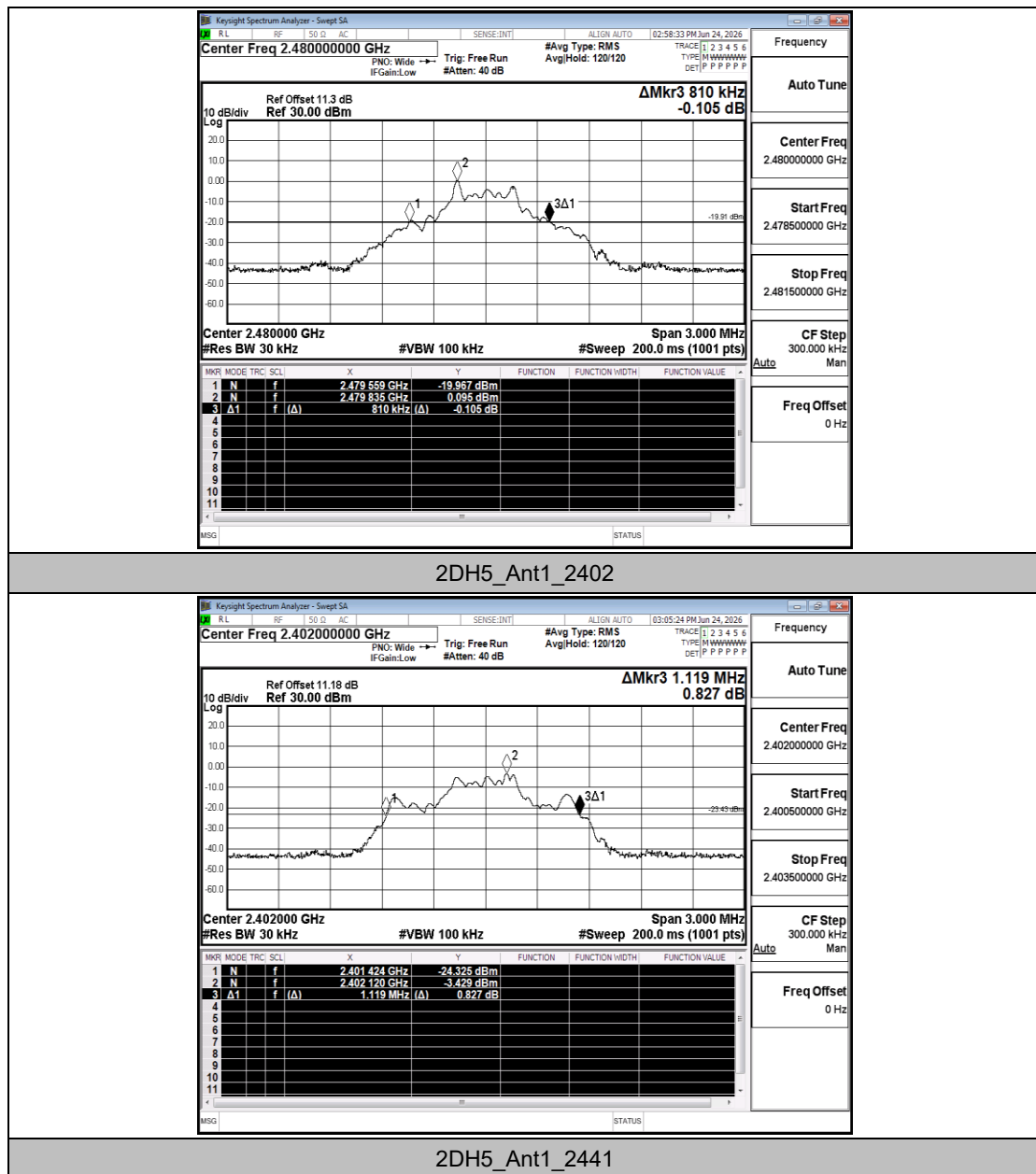
## A.1 20dB Emission Bandwidth

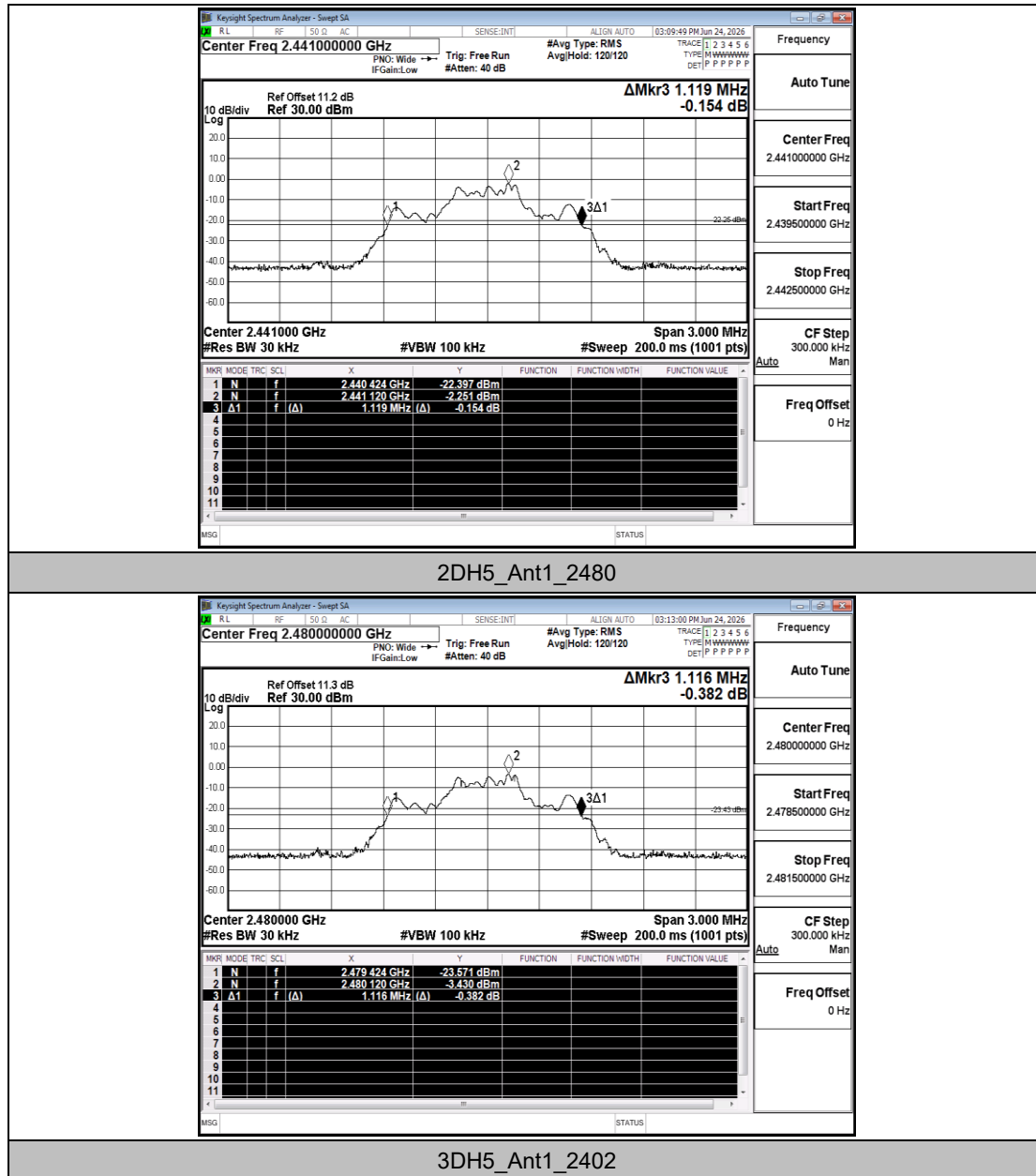
### Test Result

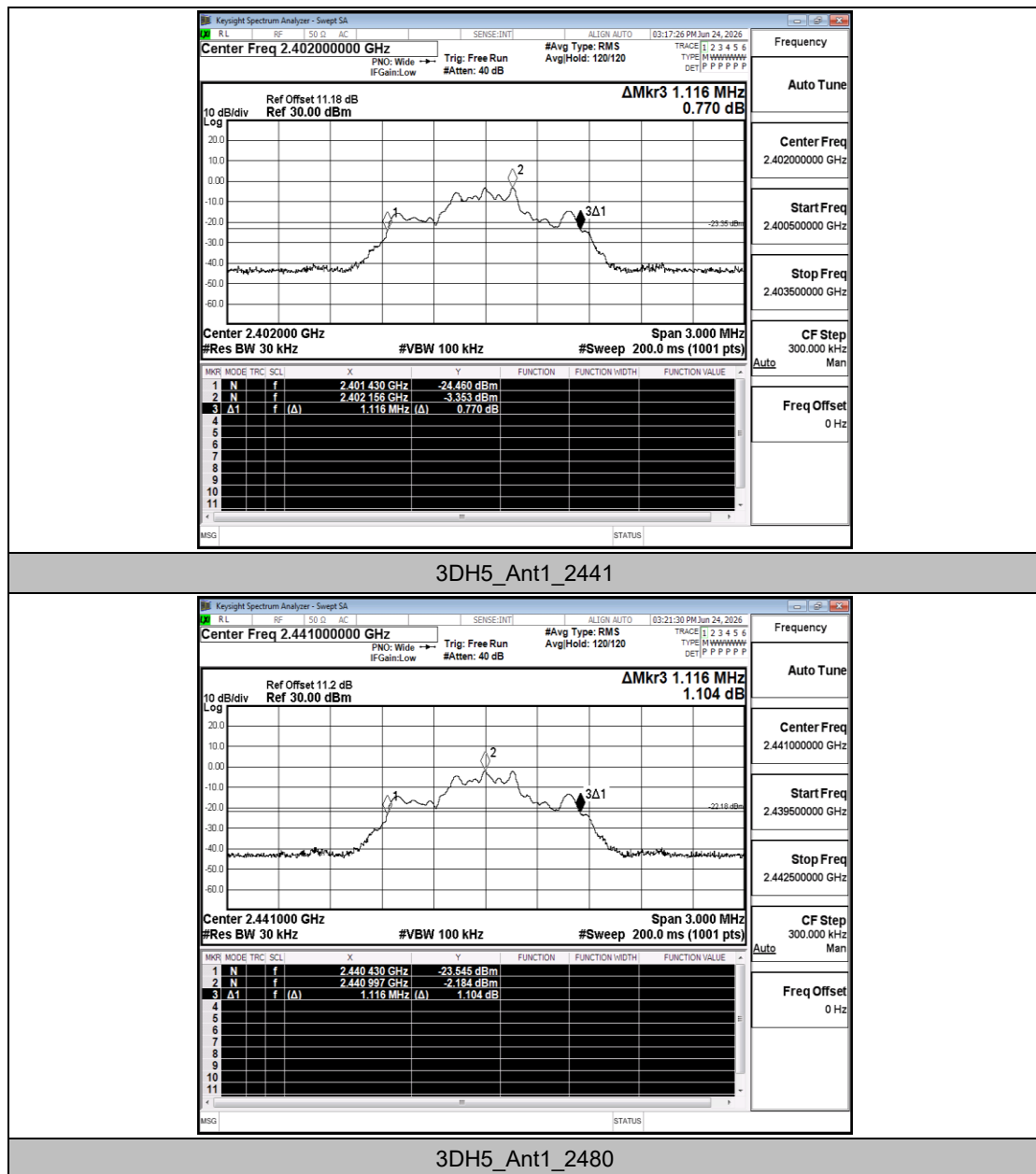
| TestMode | Antenna | Freq<br>(MHz) | 20dB<br>EBW[MHz] | FL[MHz]  | FH[MHz]  | Limit<br>[MHz] | Verdict |
|----------|---------|---------------|------------------|----------|----------|----------------|---------|
| DH5      | Ant1    | 2402          | 0.810            | 2401.559 | 2402.369 | ---            | ---     |
|          |         | 2441          | 0.810            | 2440.559 | 2441.369 | ---            | ---     |
|          |         | 2480          | 0.810            | 2479.559 | 2480.369 | ---            | ---     |
| 2DH5     | Ant1    | 2402          | 1.119            | 2401.424 | 2402.543 | ---            | ---     |
|          |         | 2441          | 1.119            | 2440.424 | 2441.543 | ---            | ---     |
|          |         | 2480          | 1.116            | 2479.424 | 2480.540 | ---            | ---     |
| 3DH5     | Ant1    | 2402          | 1.116            | 2401.430 | 2402.546 | ---            | ---     |
|          |         | 2441          | 1.116            | 2440.430 | 2441.546 | ---            | ---     |
|          |         | 2480          | 1.116            | 2479.430 | 2480.546 | ---            | ---     |

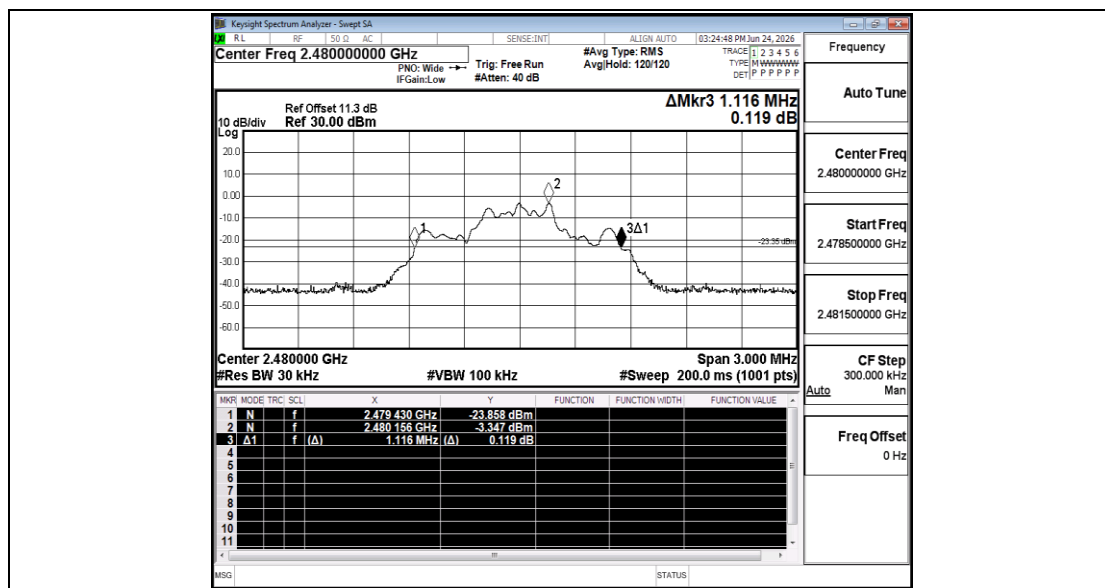
## Test Graphs









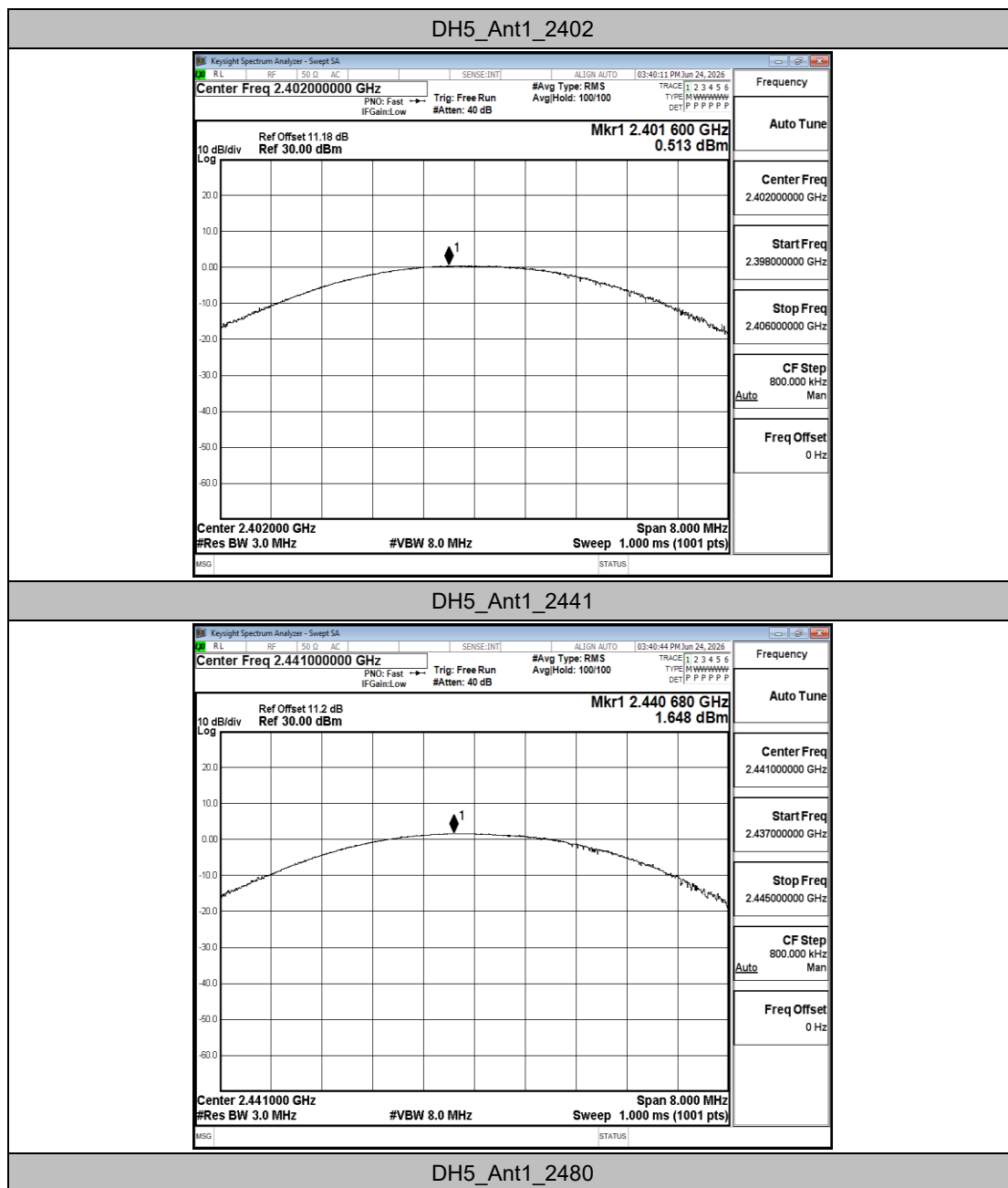


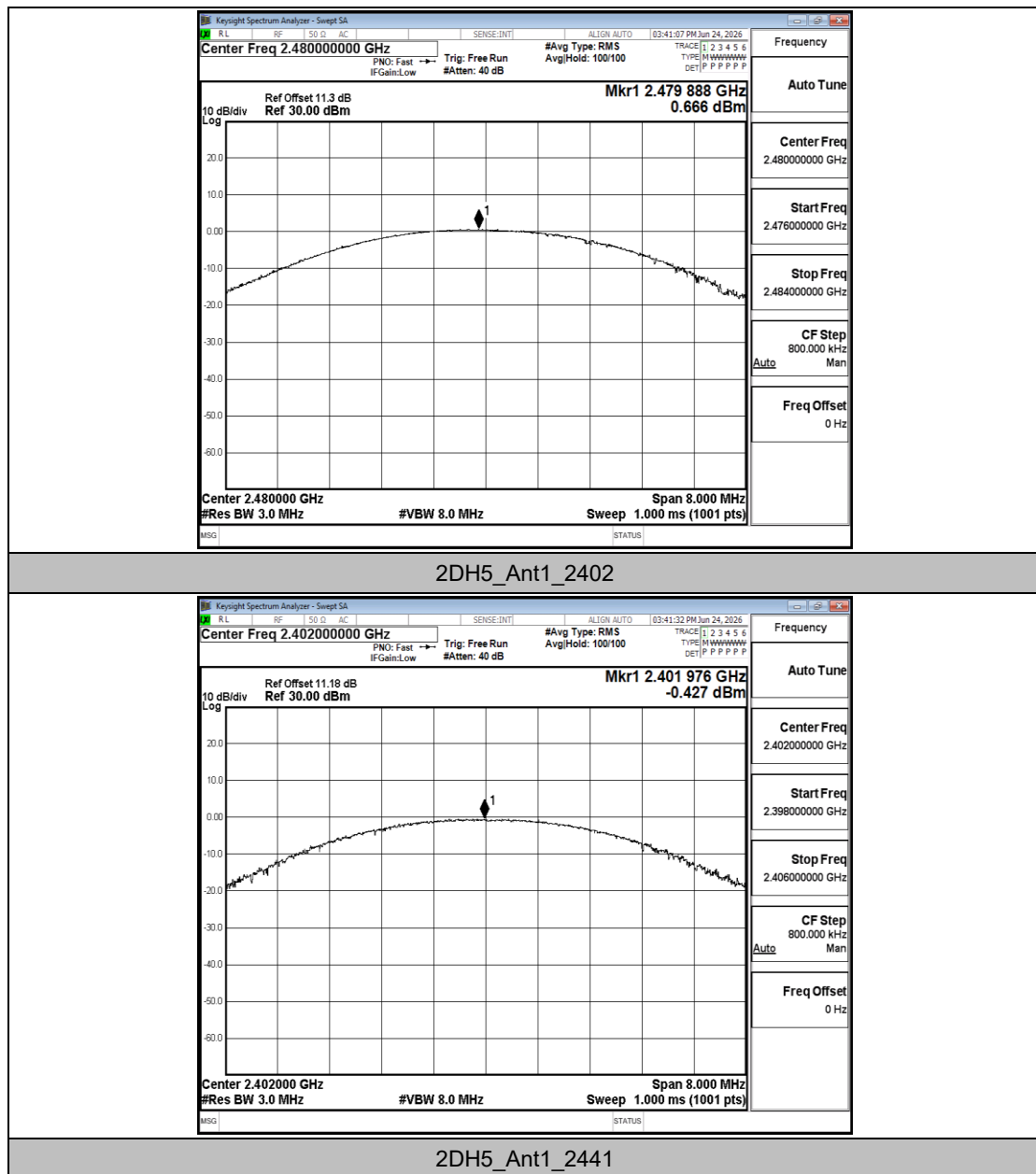
## A.2 Maximum Peak conducted output power

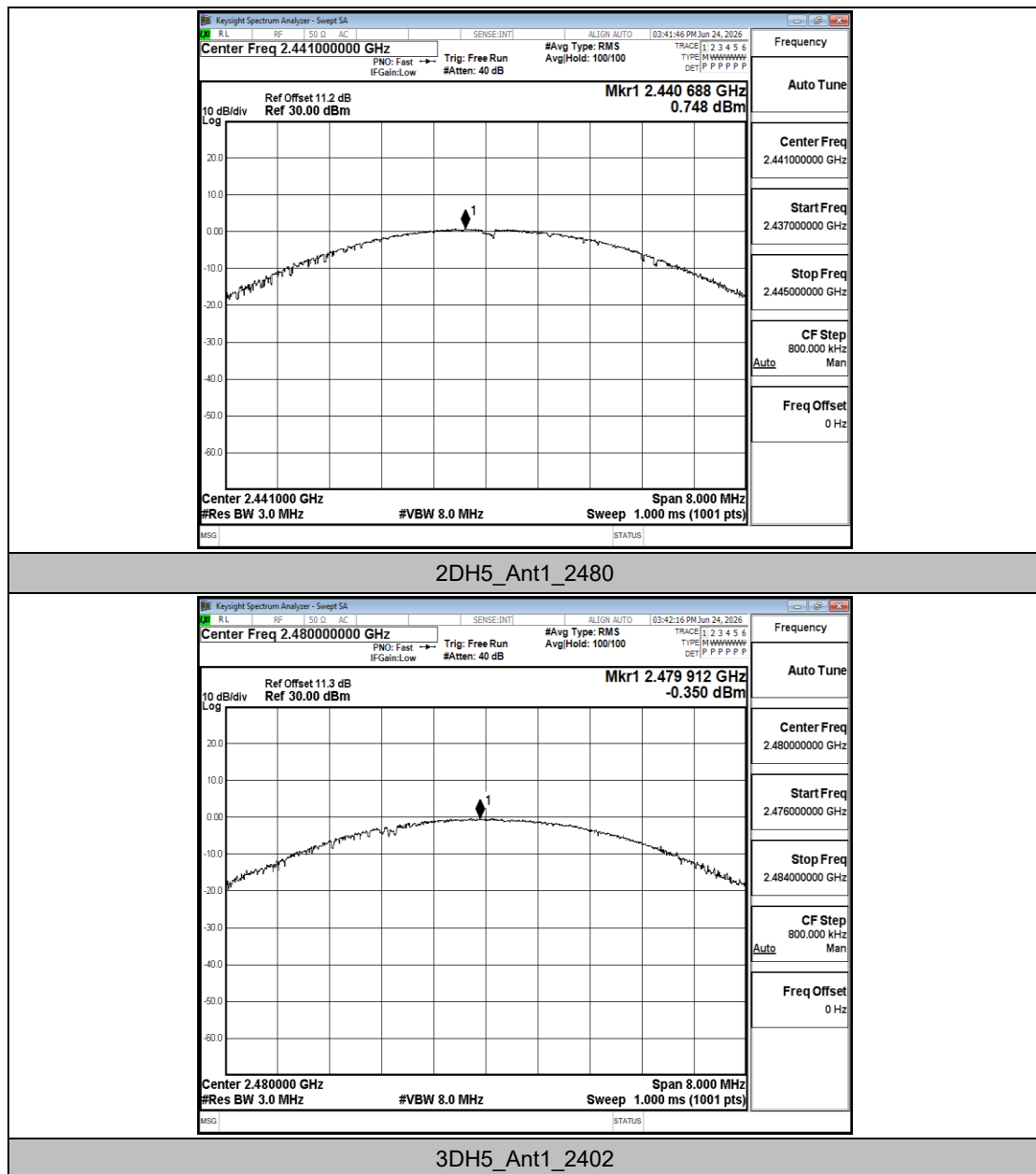
### Test Result Peak

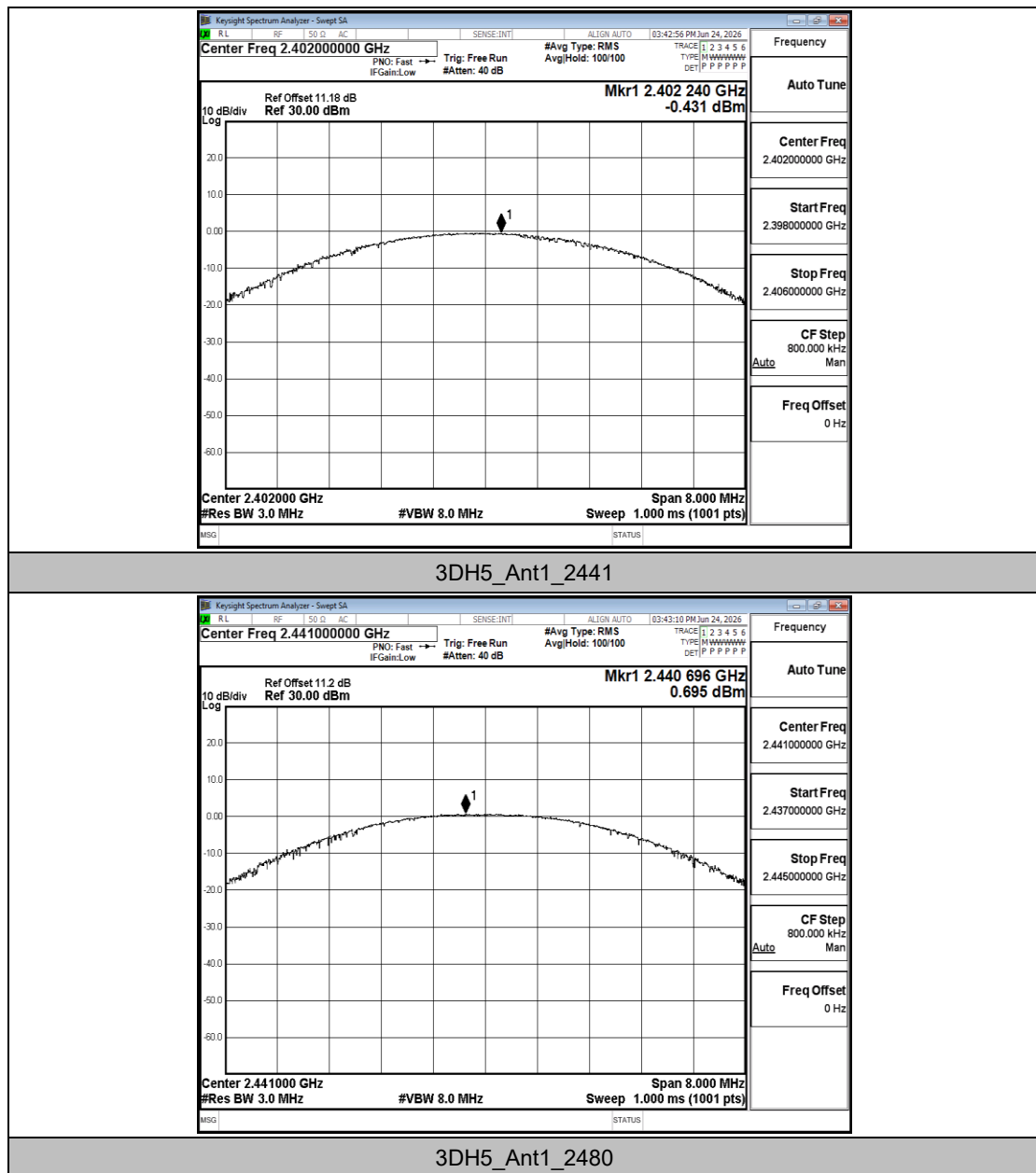
| Test Mode | Antenna | Freq (MHz) | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|------------|---------------------------|----------------------|---------|
| DH5       | Ant1    | 2402       | 0.51                      | ≤30                  | PASS    |
|           |         | 2441       | 1.65                      | ≤30                  | PASS    |
|           |         | 2480       | 0.67                      | ≤30                  | PASS    |
| 2DH5      | Ant1    | 2402       | -0.43                     | ≤30                  | PASS    |
|           |         | 2441       | 0.75                      | ≤30                  | PASS    |
|           |         | 2480       | -0.35                     | ≤30                  | PASS    |
| 3DH5      | Ant1    | 2402       | -0.43                     | ≤30                  | PASS    |
|           |         | 2441       | 0.70                      | ≤30                  | PASS    |
|           |         | 2480       | -0.39                     | ≤30                  | PASS    |

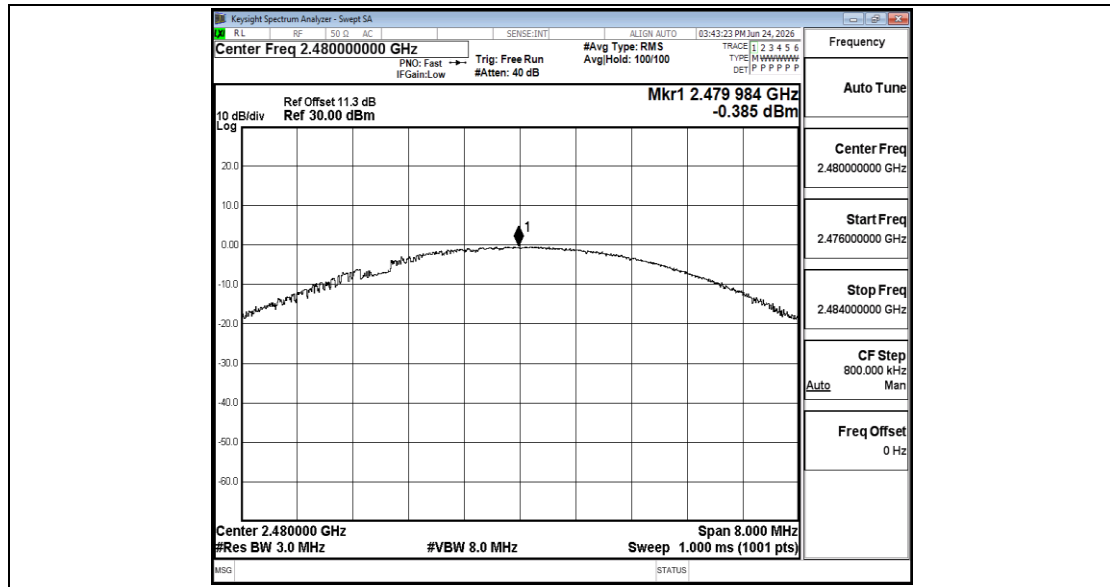
## Test Graphs









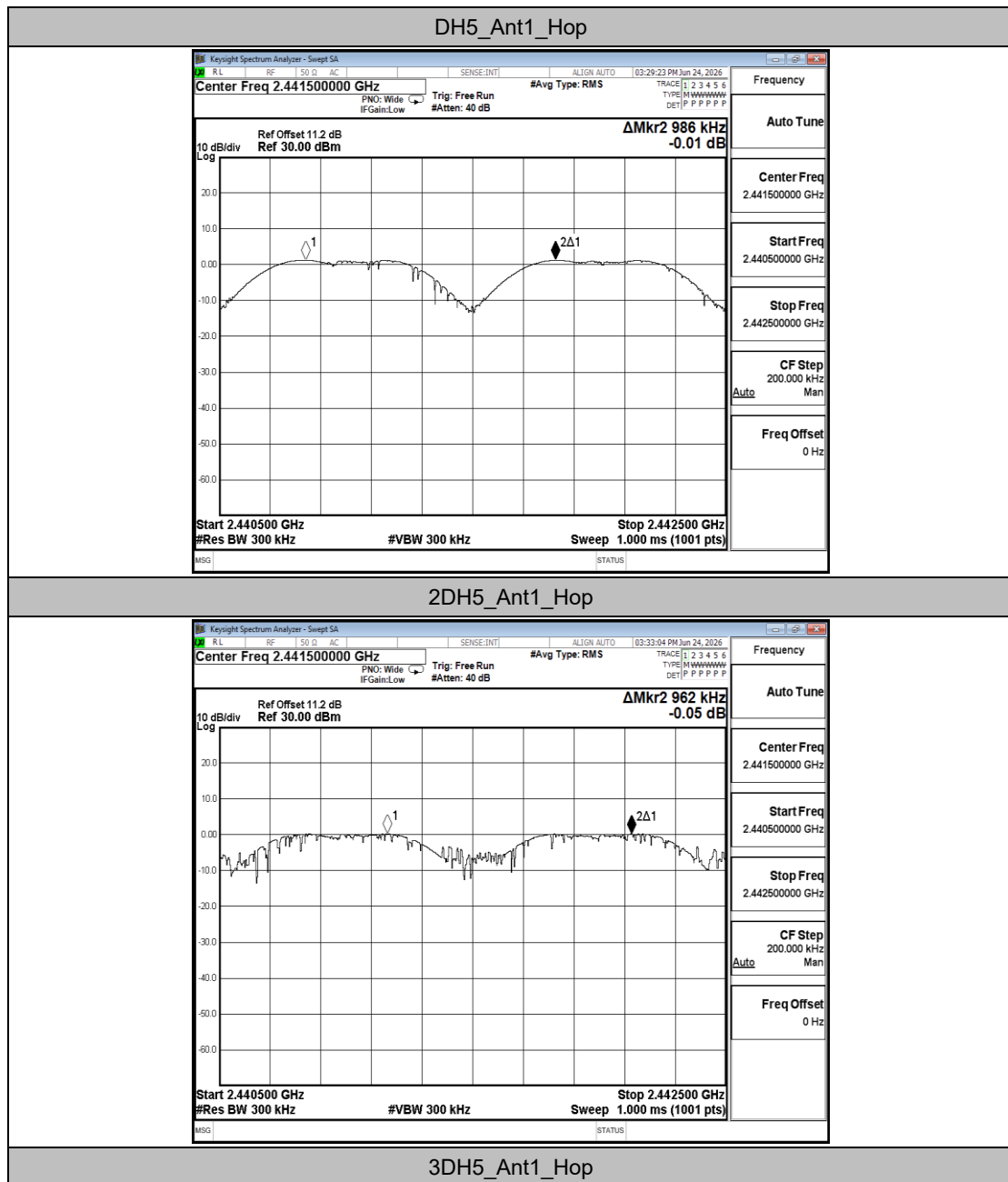


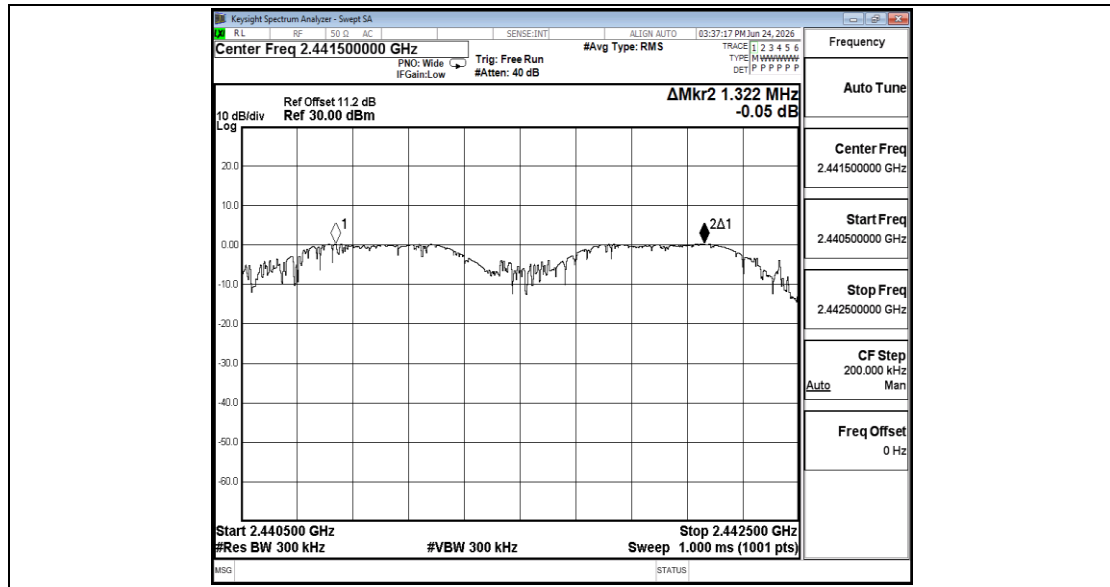
### A.3 Carrier frequency separation

#### Test Result

| TestMode | Antenna | Freq (MHz) | Result [MHz] | Limit [MHz]  | Verdict |
|----------|---------|------------|--------------|--------------|---------|
| DH5      | Ant1    | Hop        | 0.986        | $\geq 0.810$ | PASS    |
| 2DH5     | Ant1    | Hop        | 0.962        | $\geq 0.746$ | PASS    |
| 3DH5     | Ant1    | Hop        | 1.322        | $\geq 1.116$ | PASS    |

## Test Graphs



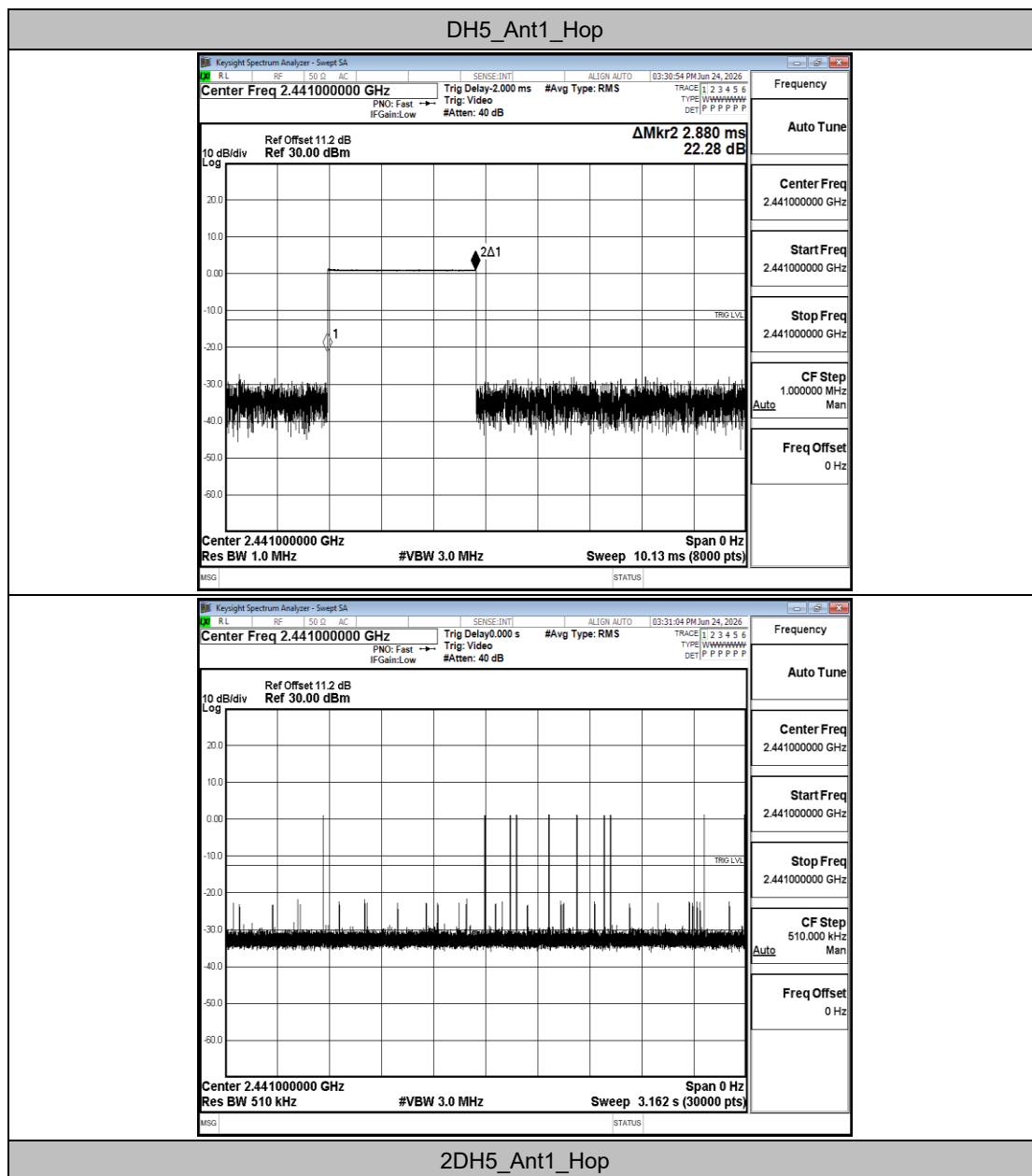


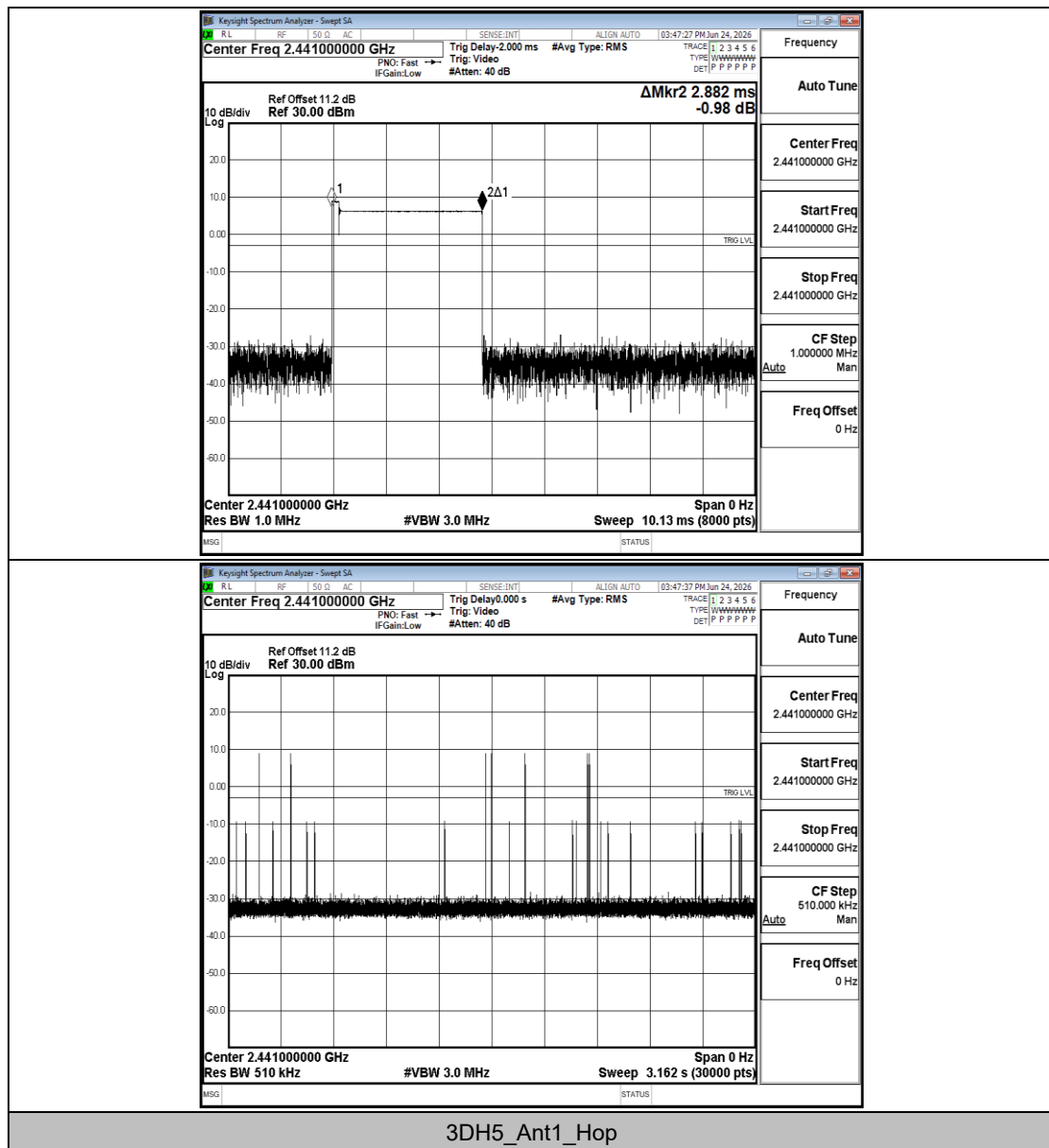
## A.4 Time of occupancy

### Test Result

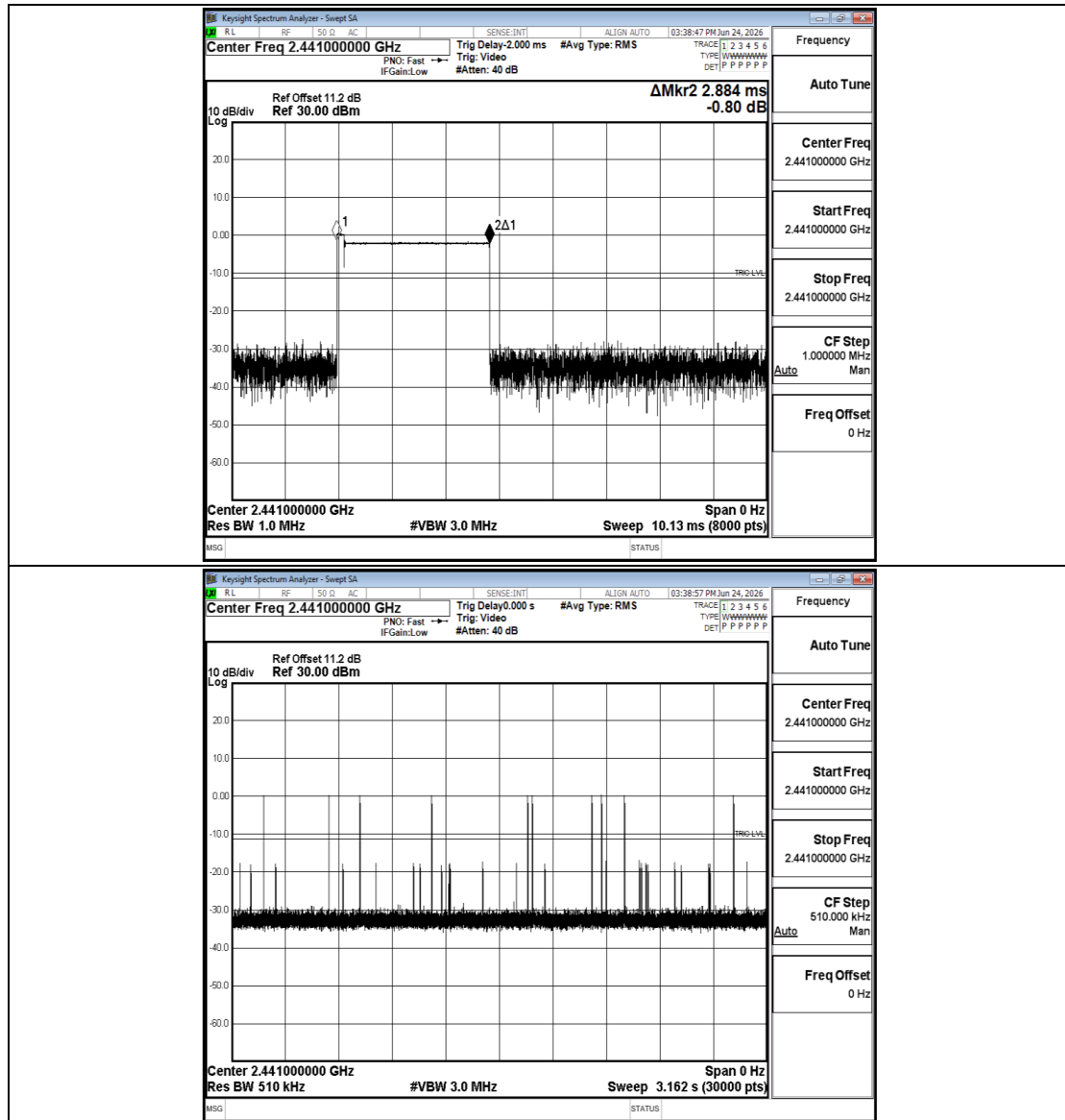
| TestMode | Antenna | Freq<br>(MHz) | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|---------------|--------------------|--------------------|-----------|----------|---------|
| DH5      | Ant1    | Hop           | 2.880              | 110                | 0.317     | ≤0.4     | PASS    |
| 2DH5     | Ant1    | Hop           | 2.882              | 80                 | 0.231     | ≤0.4     | PASS    |
| 3DH5     | Ant1    | Hop           | 2.884              | 110                | 0.317     | ≤0.4     | PASS    |

## Test Graphs





3DH5\_Ant1\_Hop

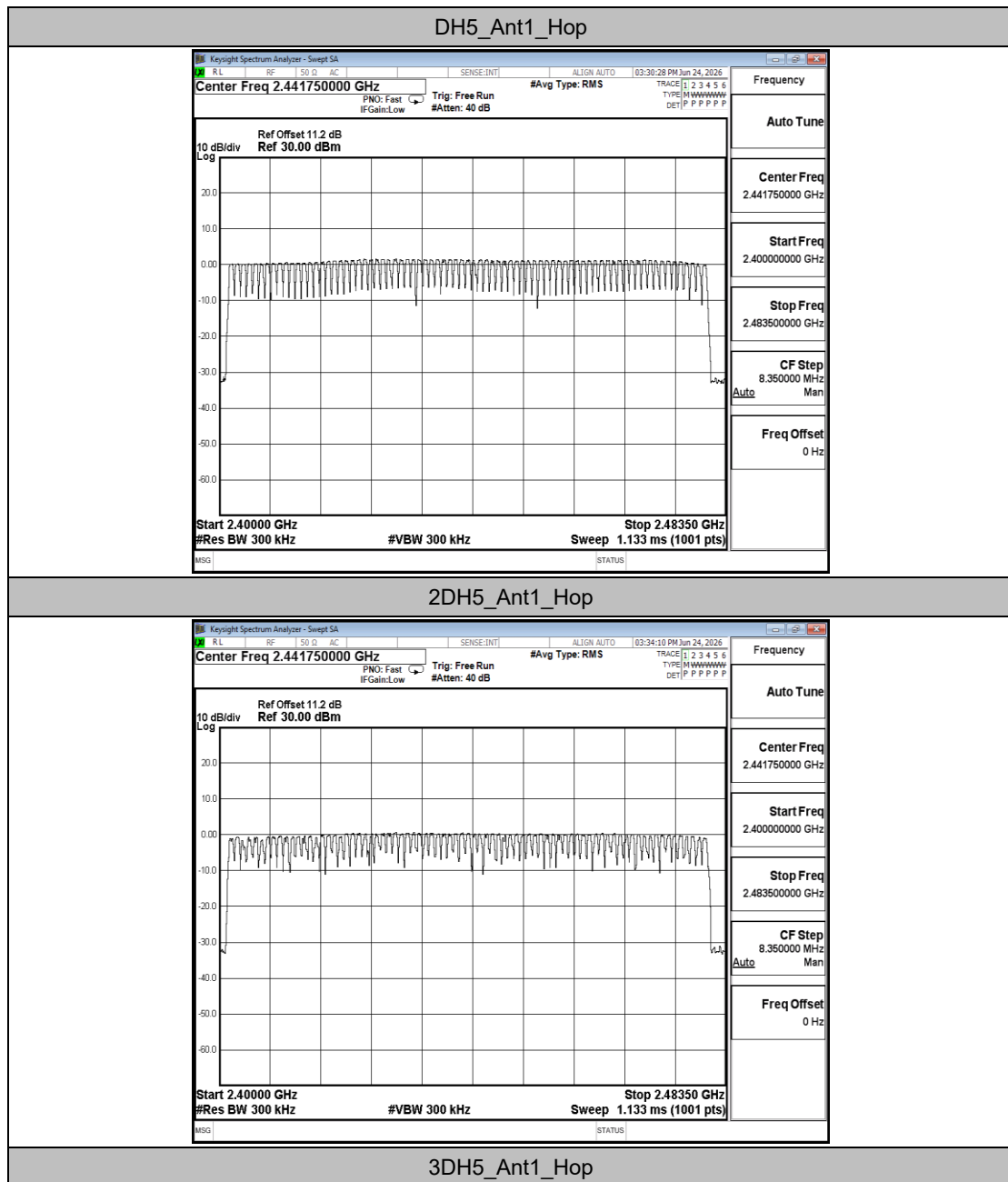


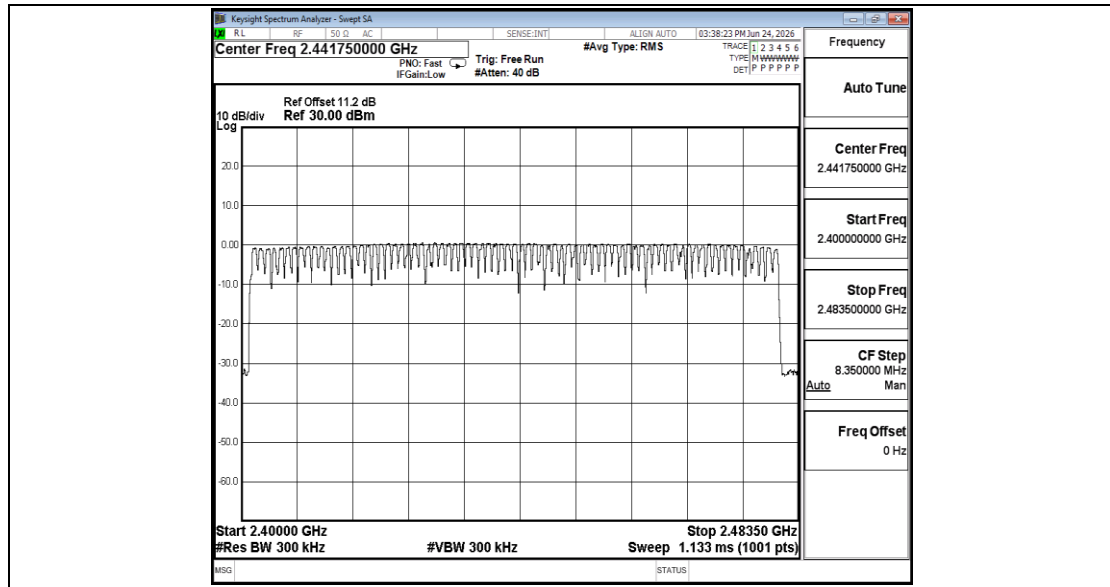
## A.5 Number of hopping channels

### Test Result

| TestMode | Antenna | Freq (MHz) | Result [Num] | Limit [Num] | Verdict |
|----------|---------|------------|--------------|-------------|---------|
| DH5      | Ant1    | Hop        | 79           | ≥15         | PASS    |
| 2DH5     | Ant1    | Hop        | 79           | ≥15         | PASS    |
| 3DH5     | Ant1    | Hop        | 79           | ≥15         | PASS    |

## Test Graphs



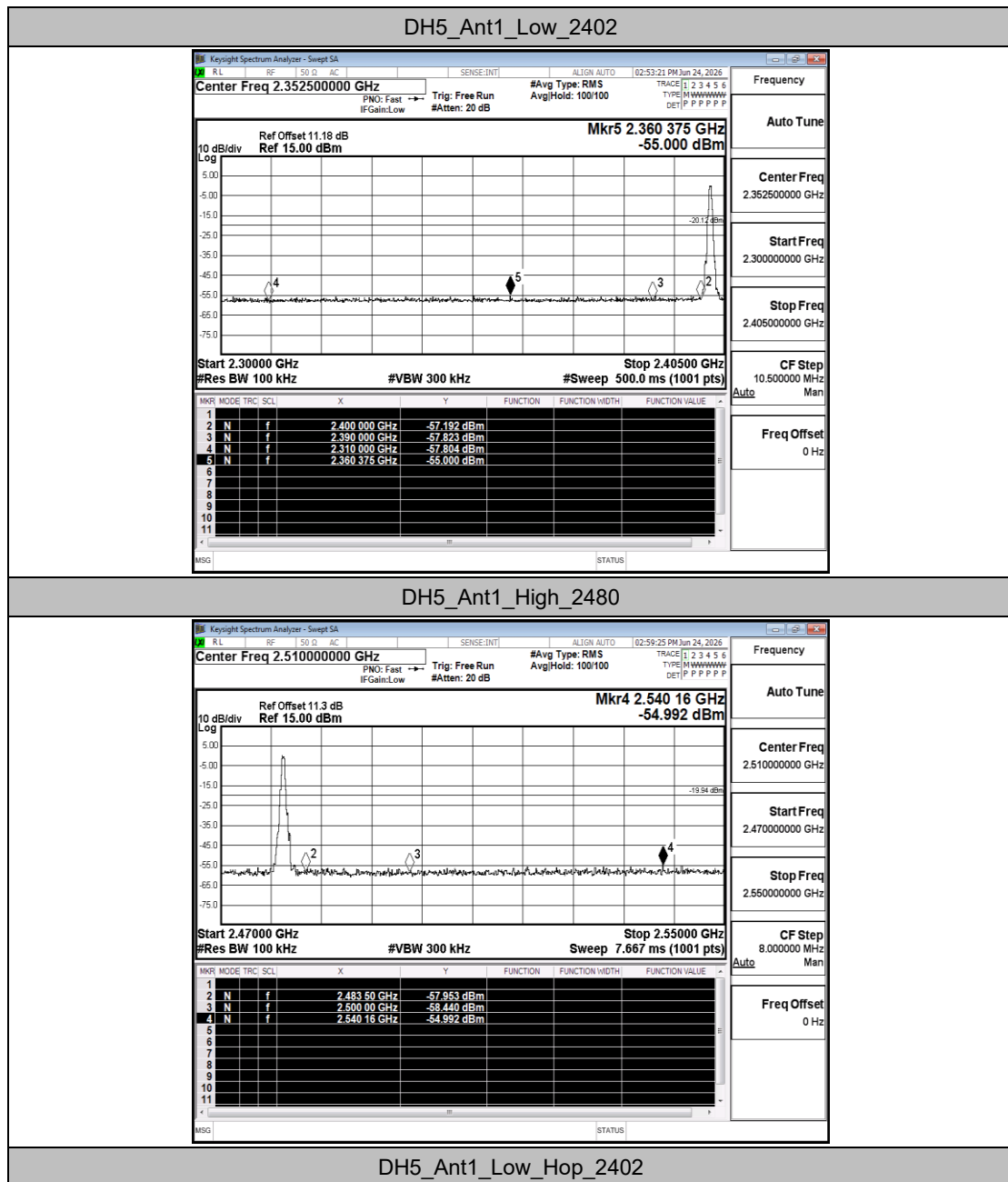


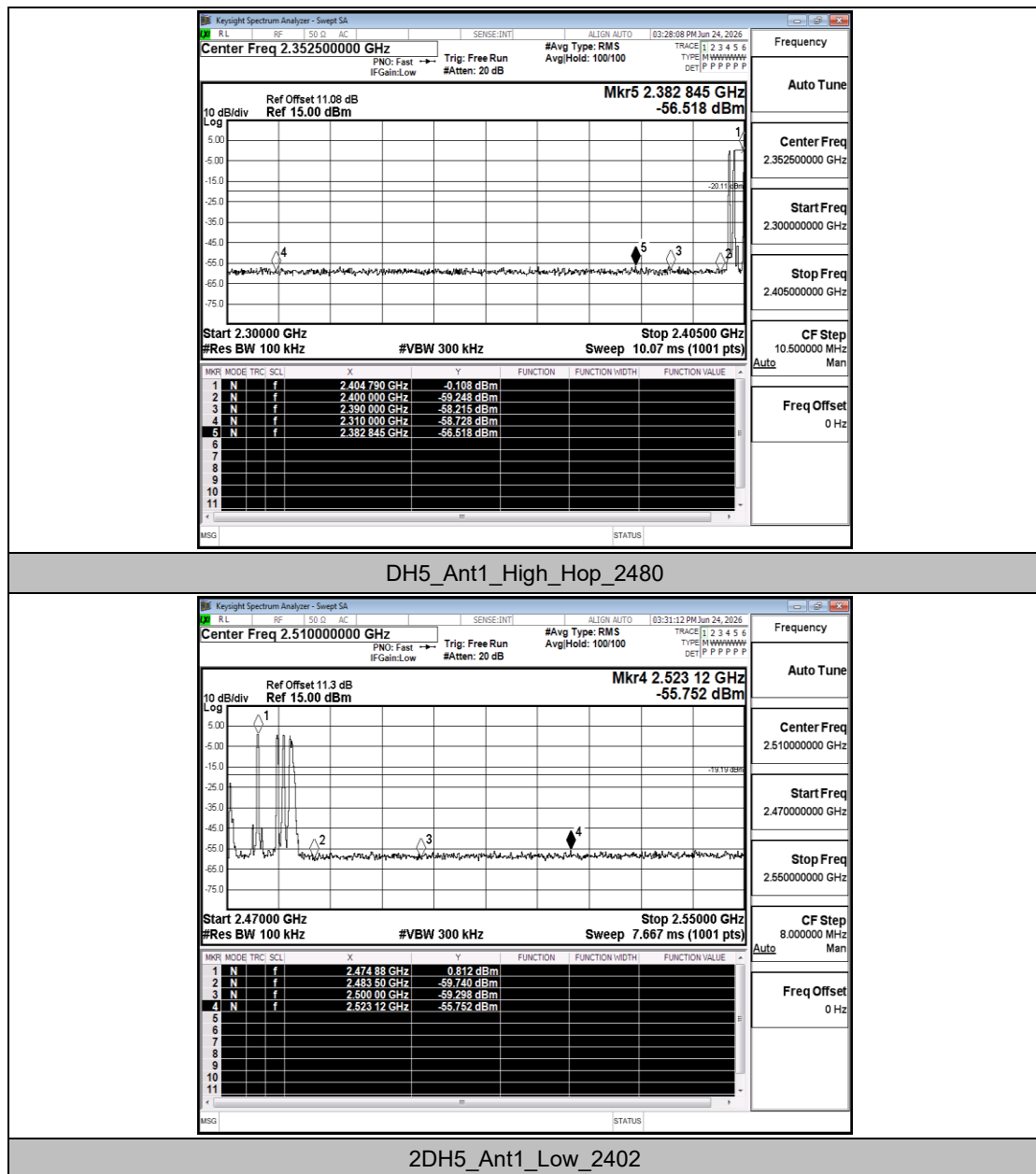
## A.6 Band edge measurements

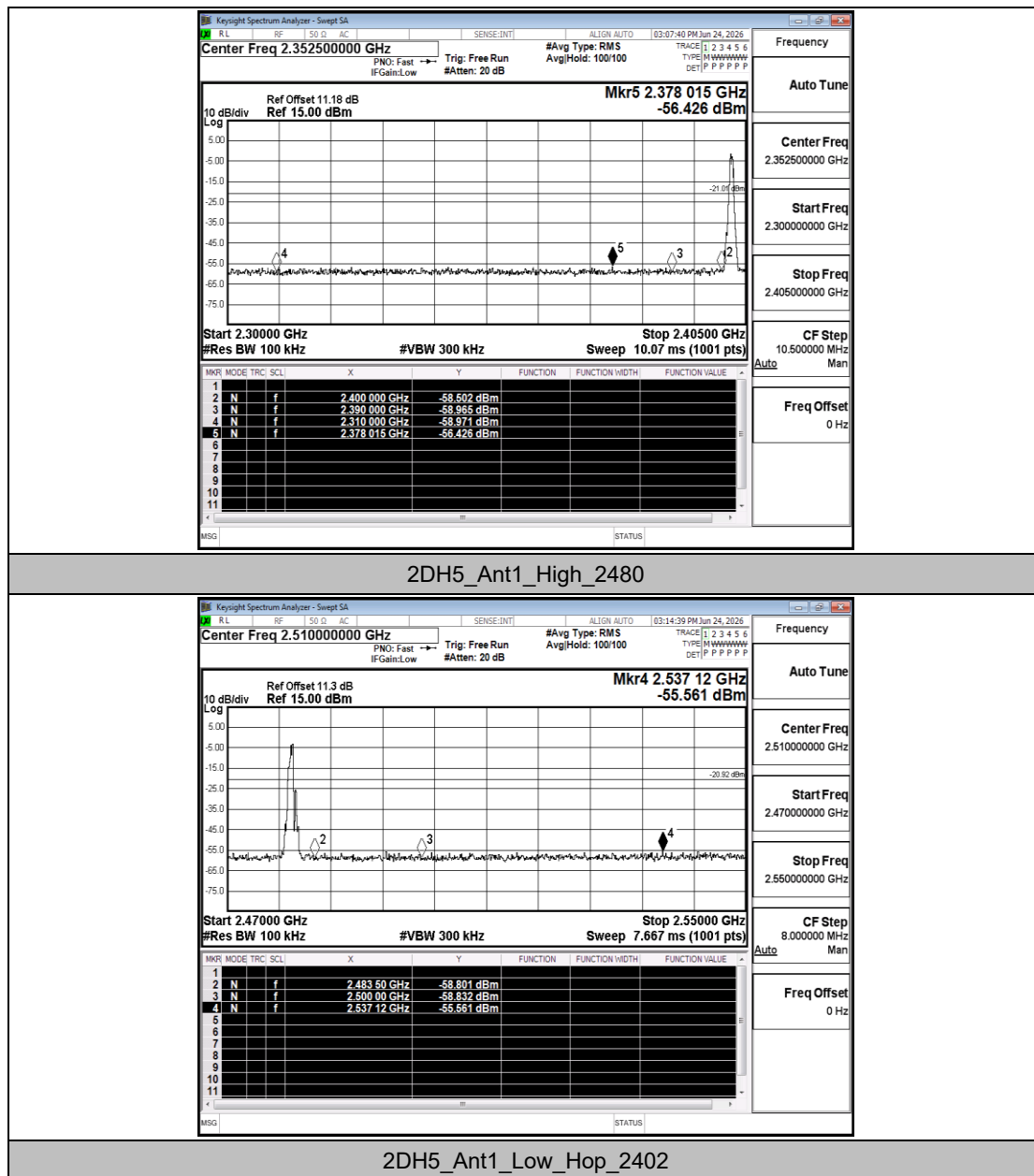
### Test Result

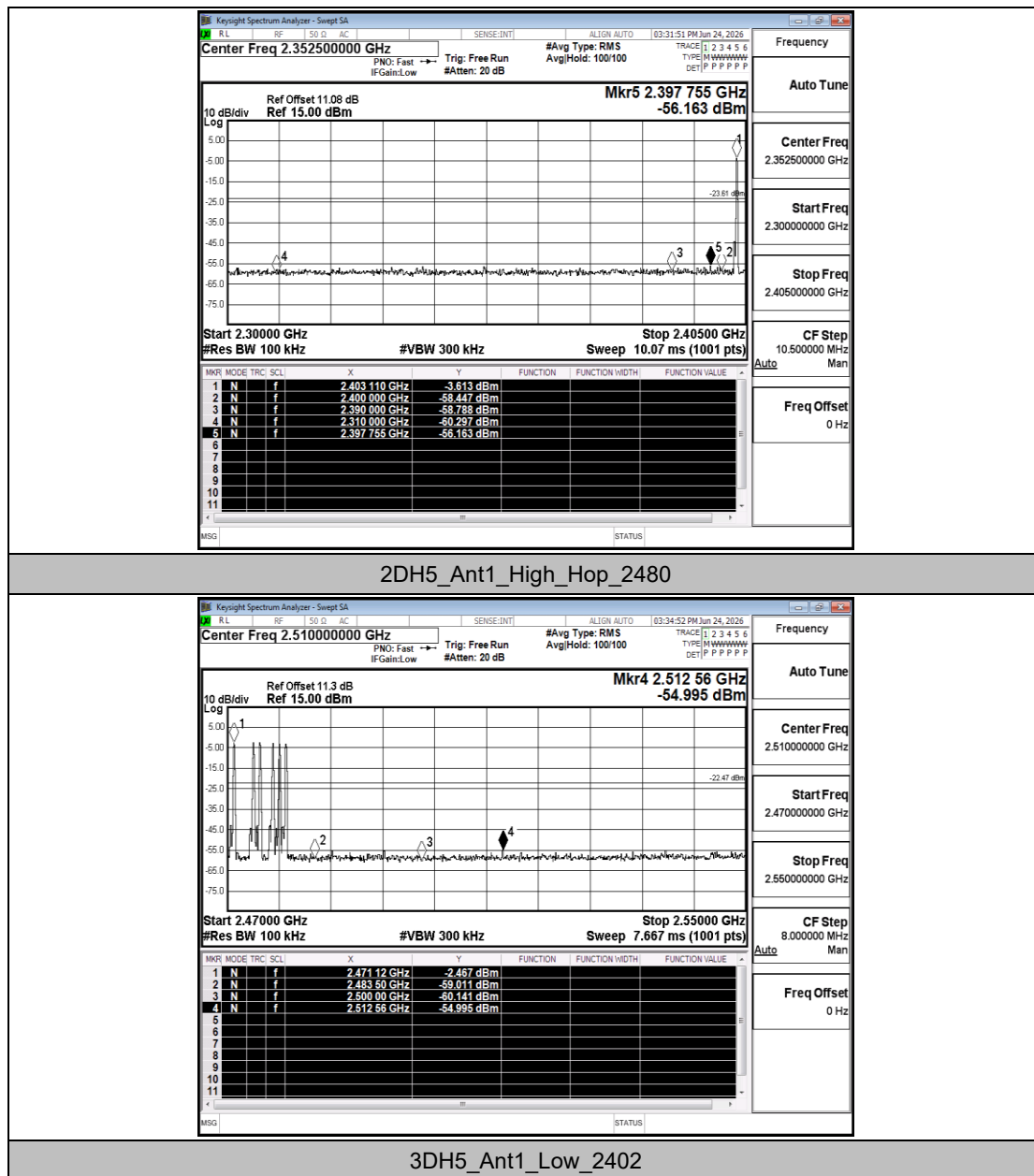
| TestMode | Antenna | ChName | Freq (MHz) | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|----------|---------|--------|------------|----------------|--------------|---------------|---------|
| DH5      | Ant1    | Low    | 2402       | -0.12          | -55          | $\leq -20.12$ | PASS    |
|          |         | High   | 2480       | 0.06           | -54.99       | $\leq -19.94$ | PASS    |
|          |         | Low    | Hop_2402   | -0.11          | -56.52       | $\leq -20.11$ | PASS    |
|          |         | High   | Hop_2480   | 0.81           | -55.75       | $\leq -19.19$ | PASS    |
| 2DH5     | Ant1    | Low    | 2402       | -1.01          | -56.43       | $\leq -21.01$ | PASS    |
|          |         | High   | 2480       | -0.92          | -55.56       | $\leq -20.92$ | PASS    |
|          |         | Low    | Hop_2402   | -3.61          | -56.16       | $\leq -23.61$ | PASS    |
|          |         | High   | Hop_2480   | -2.47          | -55          | $\leq -22.47$ | PASS    |
| 3DH5     | Ant1    | Low    | 2402       | -1.02          | -56.18       | $\leq -21.02$ | PASS    |
|          |         | High   | 2480       | -1.01          | -55.03       | $\leq -21.01$ | PASS    |
|          |         | Low    | Hop_2402   | -3.48          | -56.09       | $\leq -23.48$ | PASS    |
|          |         | High   | Hop_2480   | -2.31          | -55.1        | $\leq -22.31$ | PASS    |

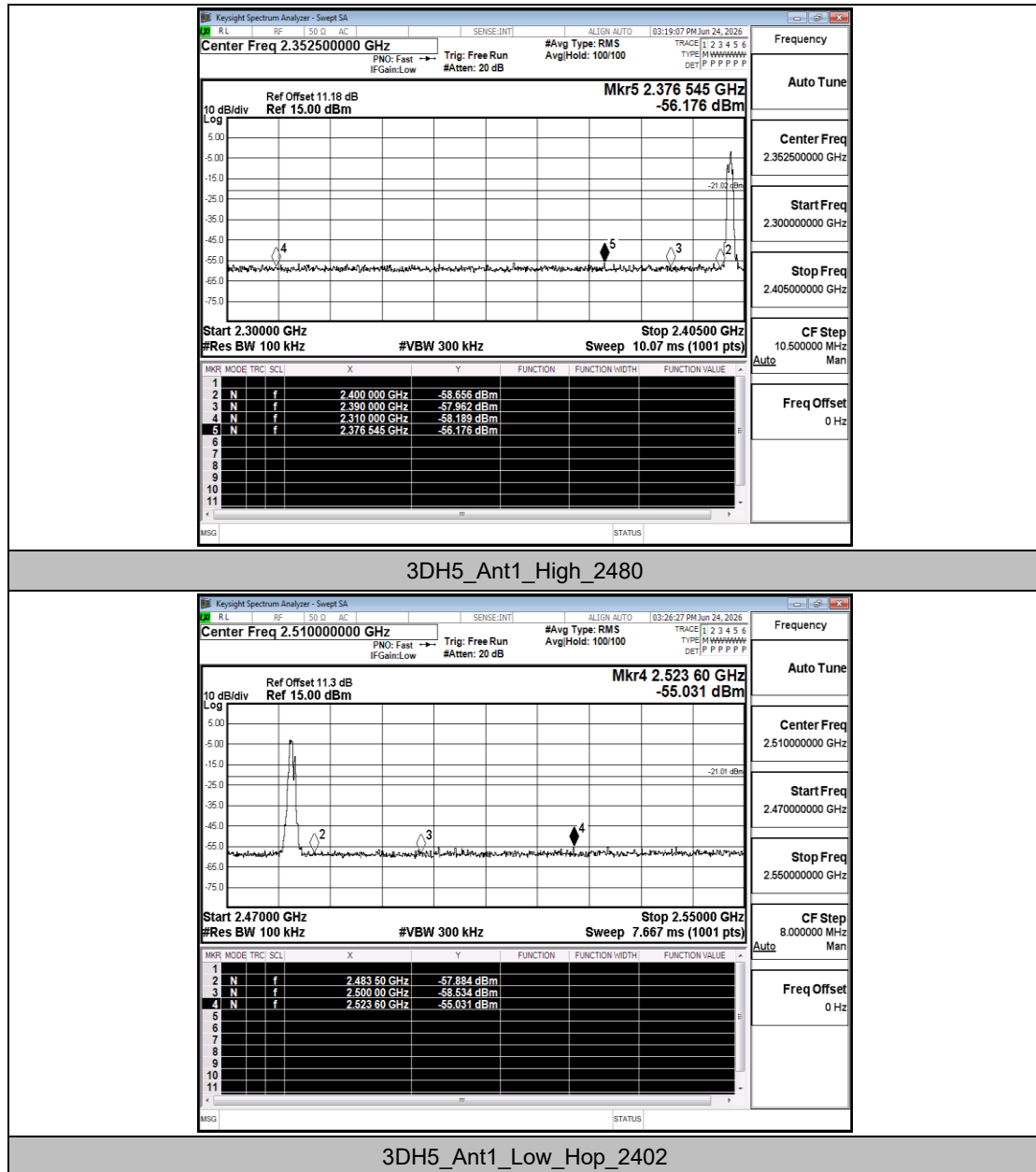
## Test Graphs

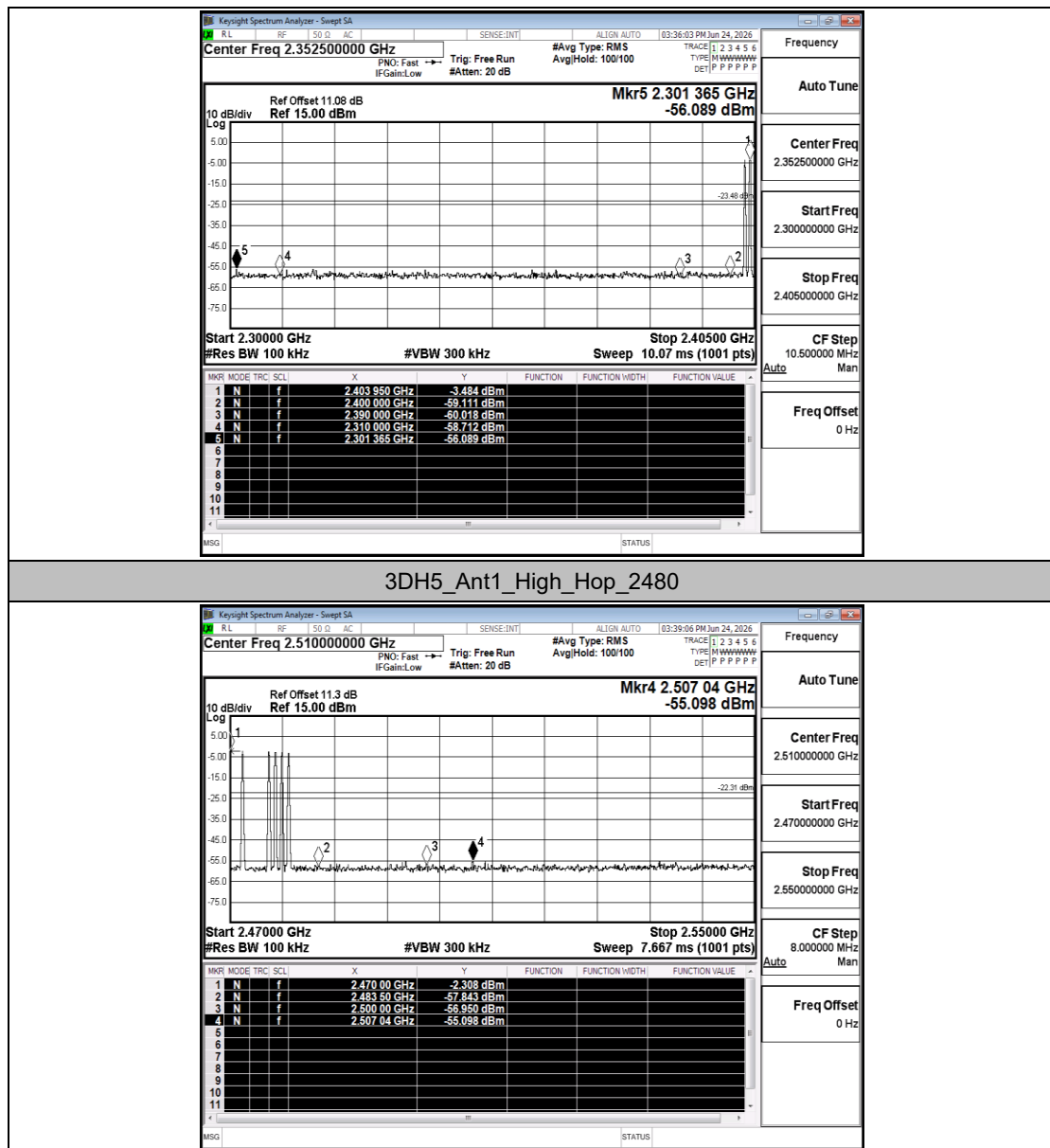












## A.7 Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Freq<br>(MHz) | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|---------------|--------------------|-------------------|-----------------|----------------|---------|
| DH5      | Ant1    | 2402          | Reference          | -0.08             | -0.08           | ---            | PASS    |
|          |         |               | 30~1000            | -0.08             | -69.91          | ≤-20.08        | PASS    |
|          |         |               | 1000~26500         | -0.08             | -44.8           | ≤-20.08        | PASS    |
|          |         | 2441          | Reference          | 1.12              | 1.12            | ---            | PASS    |
|          |         |               | 30~1000            | 1.12              | -70.32          | ≤-18.88        | PASS    |
|          |         |               | 1000~26500         | 1.12              | -44.83          | ≤-18.88        | PASS    |
|          |         | 2480          | Reference          | 0.09              | 0.09            | ---            | PASS    |
|          |         |               | 30~1000            | 0.09              | -70.43          | ≤-19.91        | PASS    |
|          |         |               | 1000~26500         | 0.09              | -44.57          | ≤-19.91        | PASS    |
| 2DH5     | Ant1    | 2402          | Reference          | -1.00             | -1.00           | ---            | PASS    |
|          |         |               | 30~1000            | -4.31             | -68.83          | ≤-24.31        | PASS    |
|          |         |               | 1000~26500         | -4.31             | -43.32          | ≤-24.31        | PASS    |
|          |         | 2441          | Reference          | 0.19              | 0.19            | ---            | PASS    |
|          |         |               | 30~1000            | -3.45             | -68.72          | ≤-23.45        | PASS    |
|          |         |               | 1000~26500         | -3.45             | -42.67          | ≤-23.45        | PASS    |
|          |         | 2480          | Reference          | -0.91             | -0.91           | ---            | PASS    |
|          |         |               | 30~1000            | -2.65             | -69.36          | ≤-22.65        | PASS    |
|          |         |               | 1000~26500         | -2.65             | -43.22          | ≤-22.65        | PASS    |
| 3DH5     | Ant1    | 2402          | Reference          | -1.02             | -1.02           | ---            | PASS    |
|          |         |               | 30~1000            | -4.75             | -69.03          | ≤-24.75        | PASS    |
|          |         |               | 1000~26500         | -4.75             | -43.39          | ≤-24.75        | PASS    |
|          |         | 2441          | Reference          | 0.14              | 0.14            | ---            | PASS    |
|          |         |               | 30~1000            | -3.32             | -68.18          | ≤-23.32        | PASS    |
|          |         |               | 1000~26500         | -3.32             | -42.21          | ≤-23.32        | PASS    |
|          |         | 2480          | Reference          | -0.98             | -0.98           | ---            | PASS    |
|          |         |               | 30~1000            | -2.45             | -67.51          | ≤-22.45        | PASS    |
|          |         |               | 1000~26500         | -2.45             | -42.99          | ≤-22.45        | PASS    |

## Test Graphs

