

## Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: SMART WATCH

Trade Mark: XINJI

Test Model: N/A

FCC ID: 2AE8V-G2PLUS

### Environmental Conditions

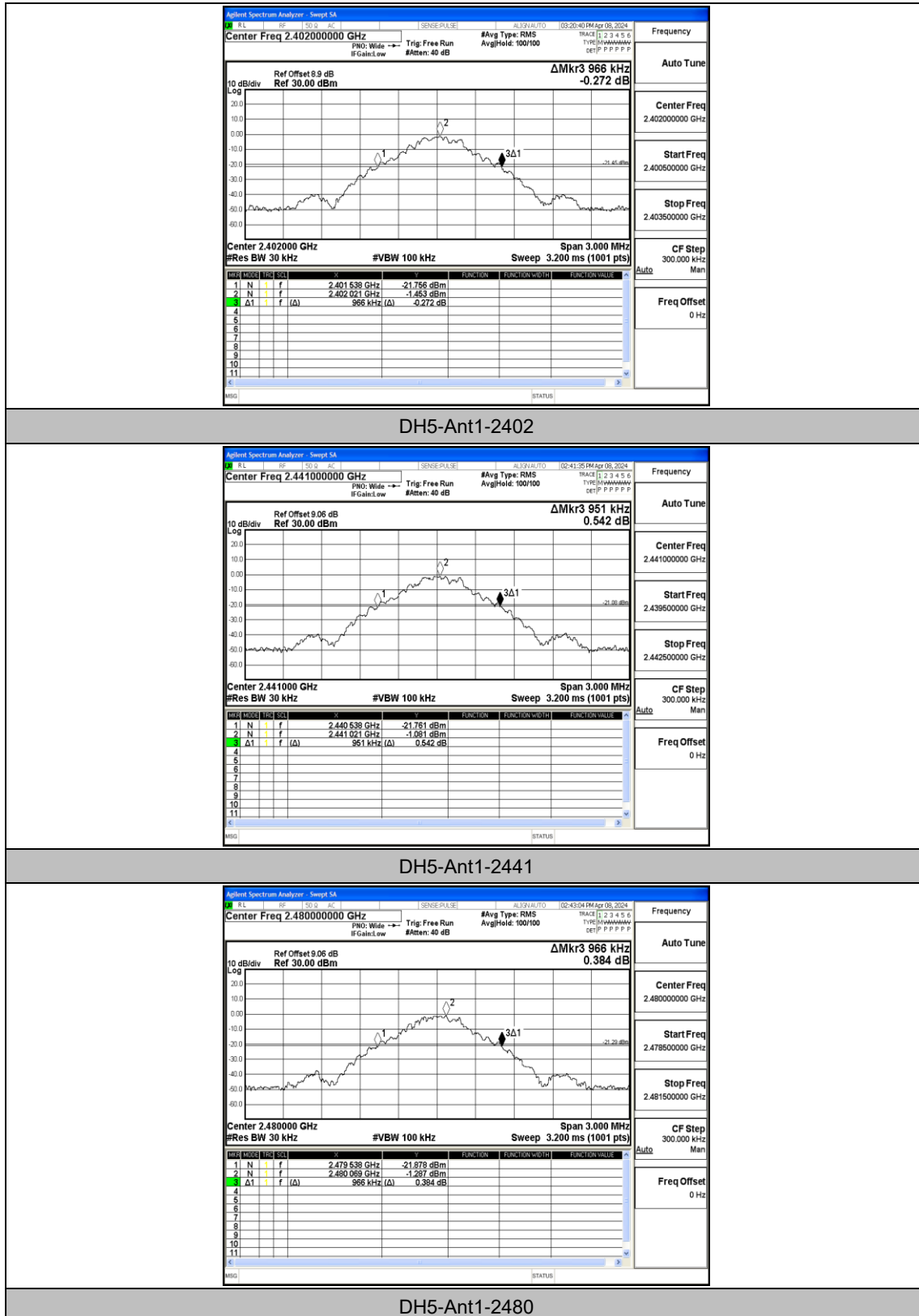
|                    |           |
|--------------------|-----------|
| Temperature:       | 23.8℃     |
| Relative Humidity: | 58%       |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Anna Hu   |
| Supervised by:     | Hugo Chen |
| NOTE               | N/A       |

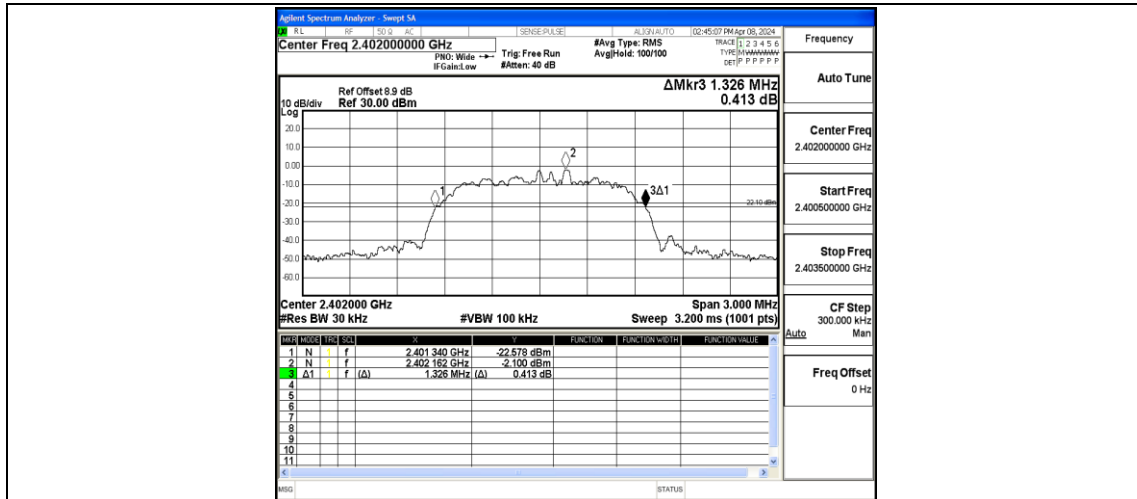
## Appendix A: 20dB Emission Bandwidth

### Test Result

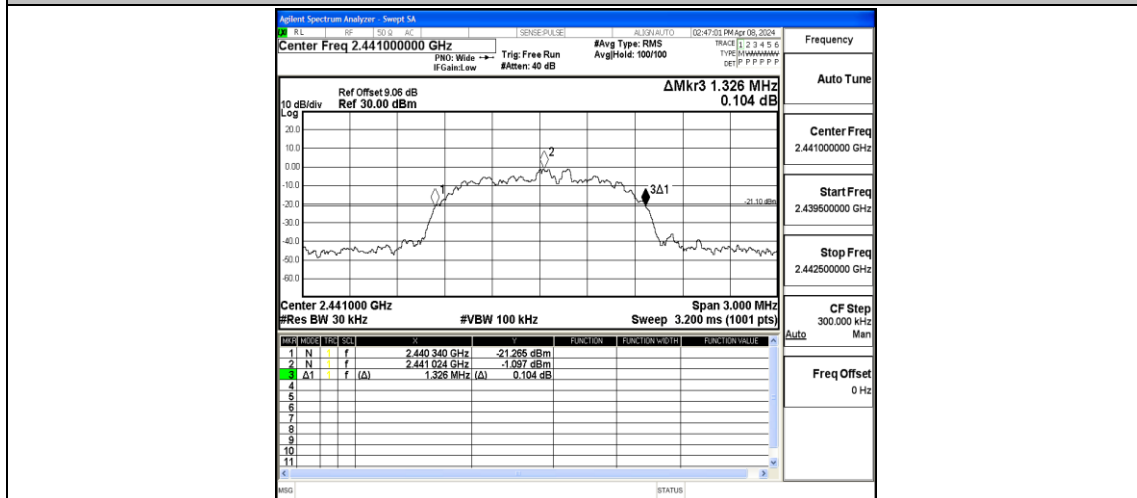
| TestMode | Antenna | Frequency[MHz] | 20db<br>EBW[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|------------------|----------|----------|------------|---------|
| DH5      | Ant1    | 2402           | 0.966            | 2401.538 | 2402.504 | ---        | ---     |
| DH5      | Ant1    | 2441           | 0.951            | 2440.538 | 2441.489 | ---        | ---     |
| DH5      | Ant1    | 2480           | 0.966            | 2479.538 | 2480.504 | ---        | ---     |
| 2DH5     | Ant1    | 2402           | 1.326            | 2401.340 | 2402.666 | ---        | ---     |
| 2DH5     | Ant1    | 2441           | 1.326            | 2440.340 | 2441.666 | ---        | ---     |
| 2DH5     | Ant1    | 2480           | 1.317            | 2479.346 | 2480.663 | ---        | ---     |
| 3DH5     | Ant1    | 2402           | 1.314            | 2401.355 | 2402.669 | ---        | ---     |
| 3DH5     | Ant1    | 2441           | 1.302            | 2440.358 | 2441.660 | ---        | ---     |
| 3DH5     | Ant1    | 2480           | 1.299            | 2479.361 | 2480.660 | ---        | ---     |

## Test Graphs

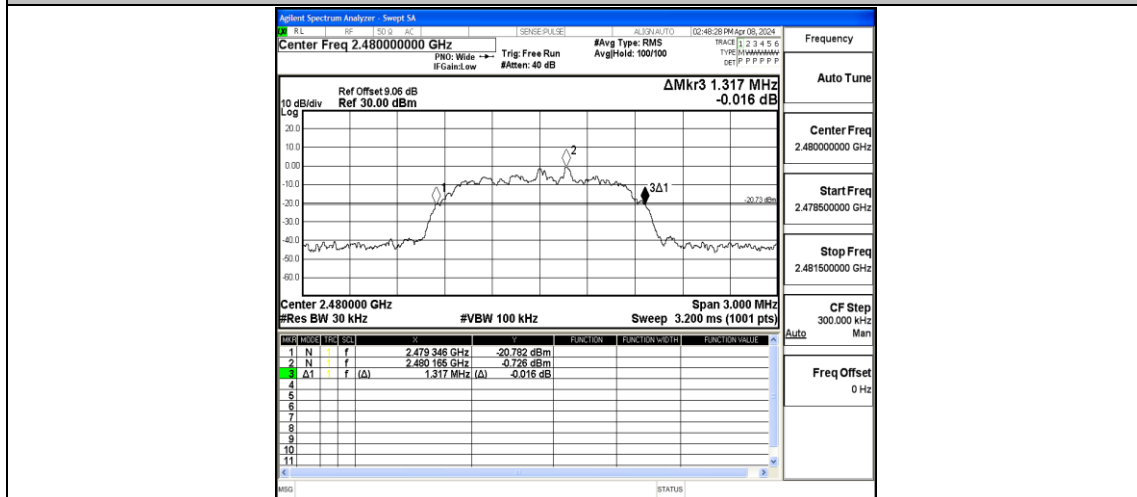




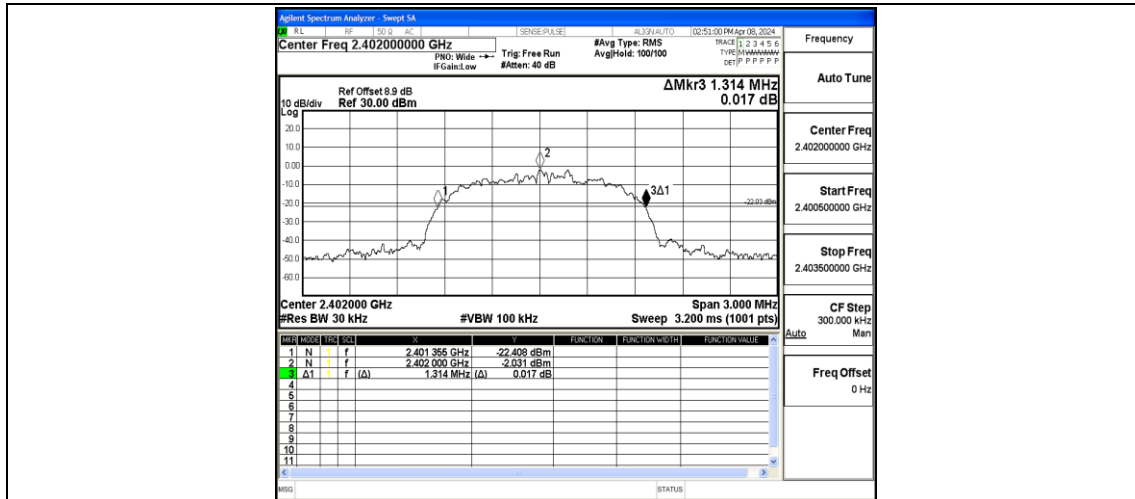
2DH5-Ant1-2402



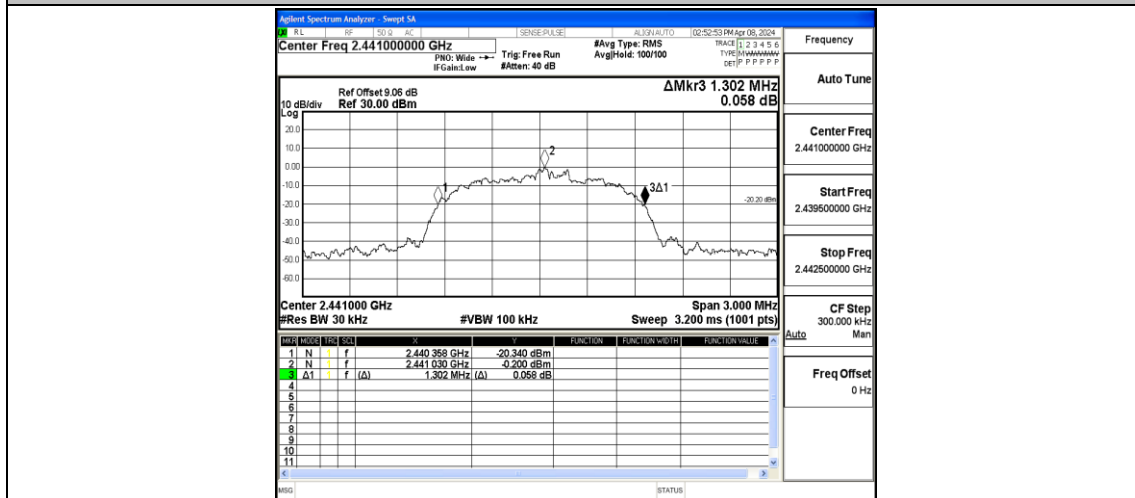
2DH5-Ant1-2441



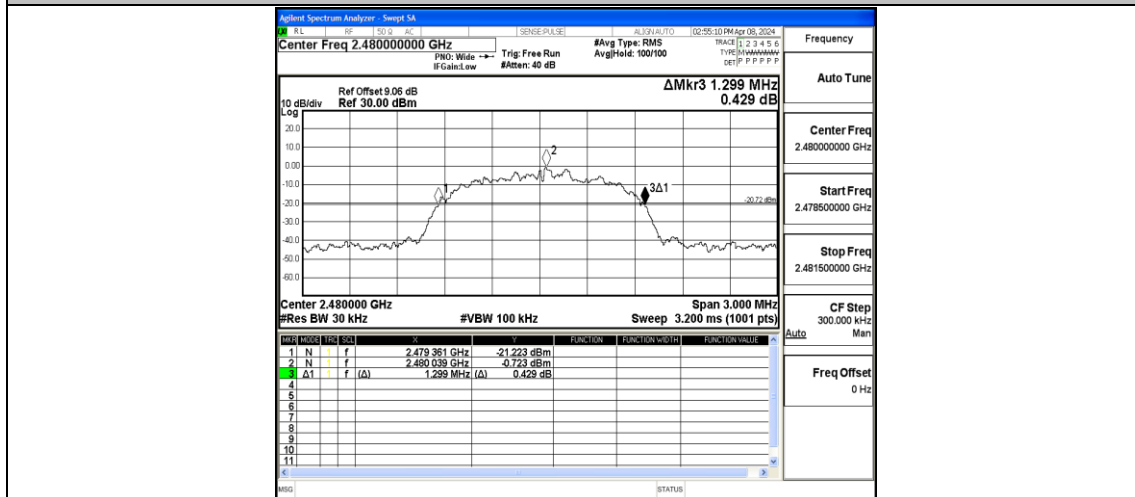
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



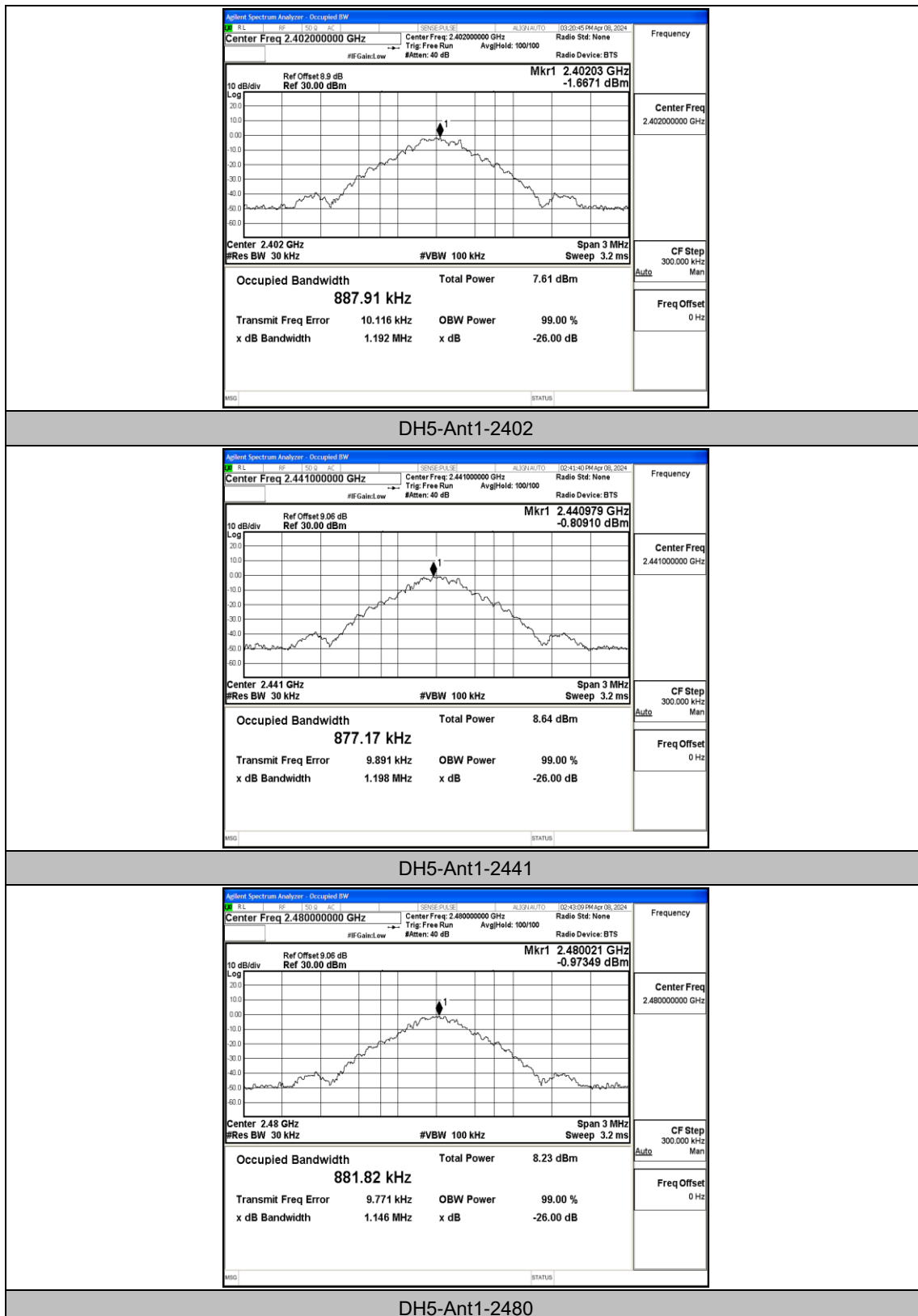
3DH5-Ant1-2480

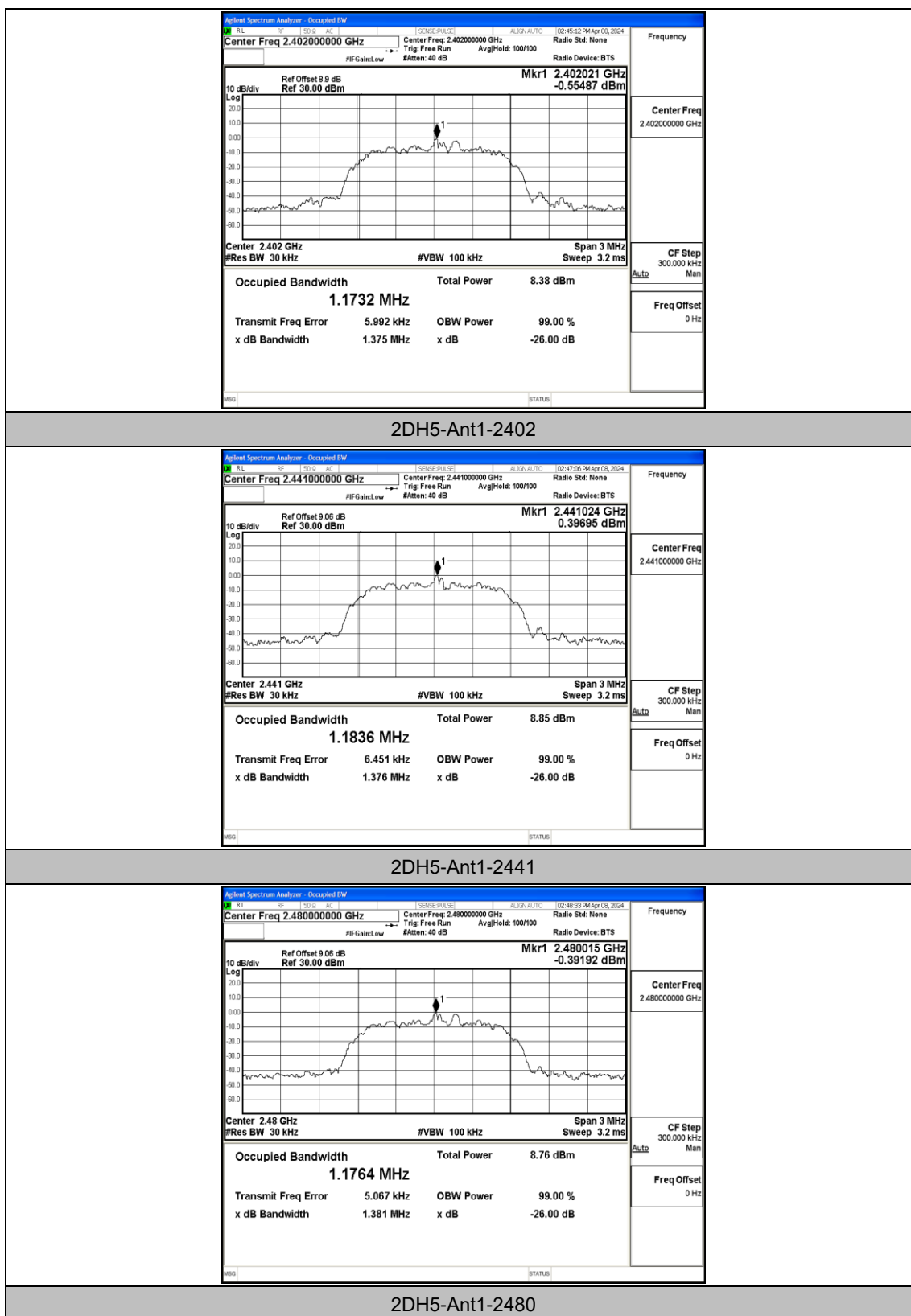
## Appendix B: Occupied Channel Bandwidth

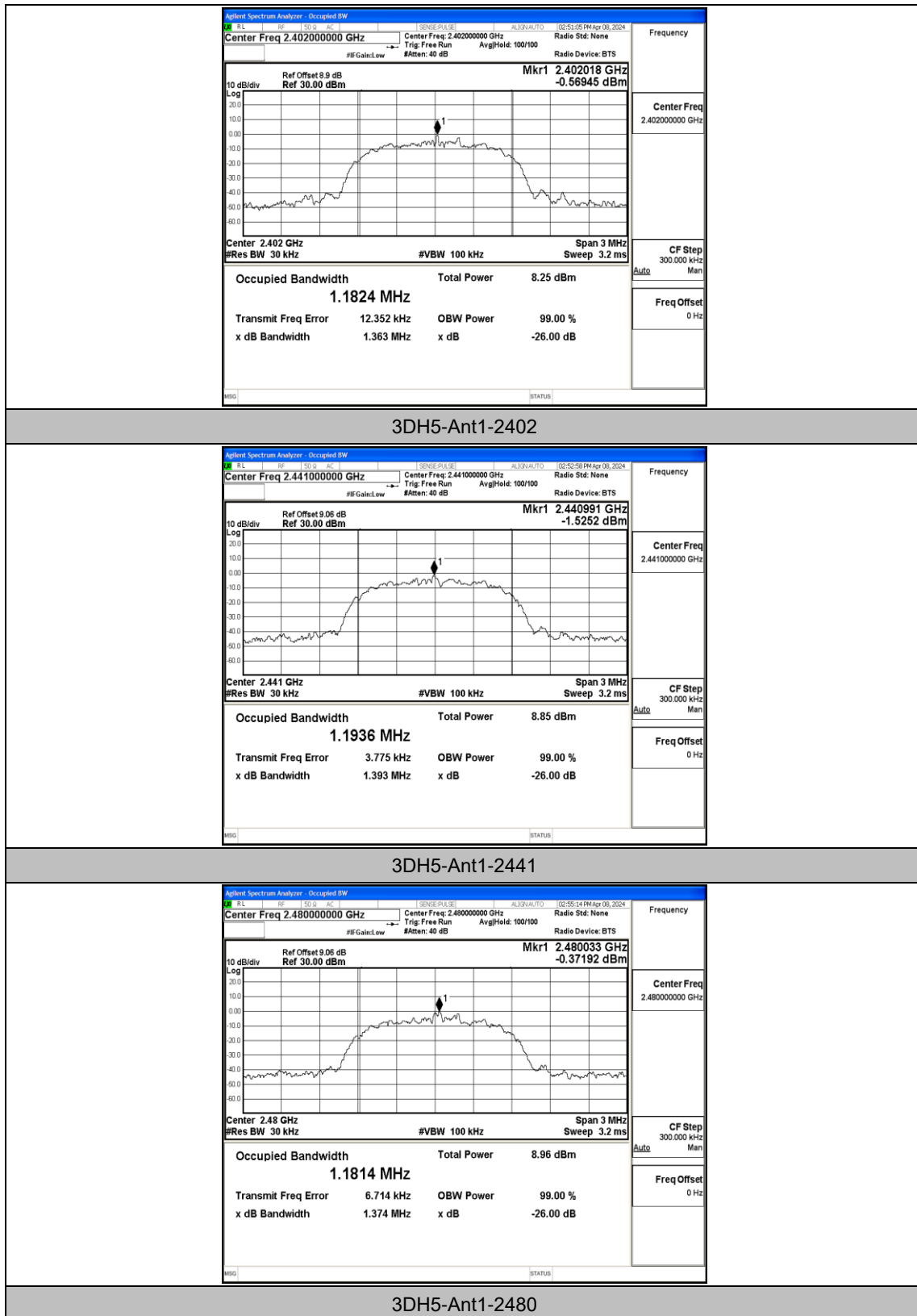
### Test Result

| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| DH5      | Ant1    | 2402           | 0.88791   | 2401.5662 | 2402.4541 | ---        | ---     |
| DH5      | Ant1    | 2441           | 0.87717   | 2440.5713 | 2441.4485 | ---        | ---     |
| DH5      | Ant1    | 2480           | 0.88182   | 2479.5689 | 2480.4507 | ---        | ---     |
| 2DH5     | Ant1    | 2402           | 1.1732    | 2401.4194 | 2402.5926 | ---        | ---     |
| 2DH5     | Ant1    | 2441           | 1.1836    | 2440.4147 | 2441.5983 | ---        | ---     |
| 2DH5     | Ant1    | 2480           | 1.1764    | 2479.4169 | 2480.5933 | ---        | ---     |
| 3DH5     | Ant1    | 2402           | 1.1824    | 2401.4212 | 2402.6036 | ---        | ---     |
| 3DH5     | Ant1    | 2441           | 1.1936    | 2440.4070 | 2441.6006 | ---        | ---     |
| 3DH5     | Ant1    | 2480           | 1.1814    | 2479.4160 | 2480.5974 | ---        | ---     |

## Test Graphs





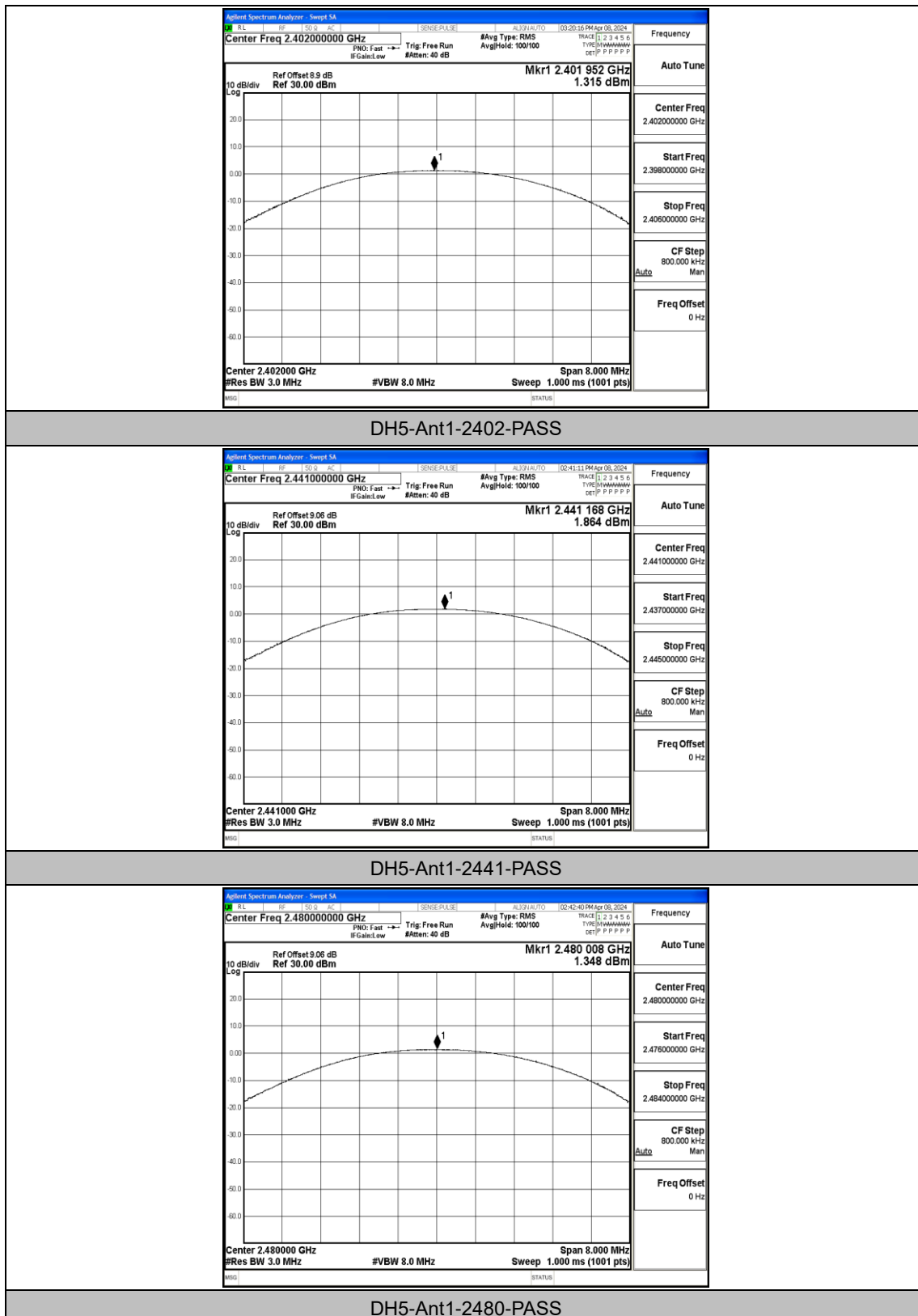


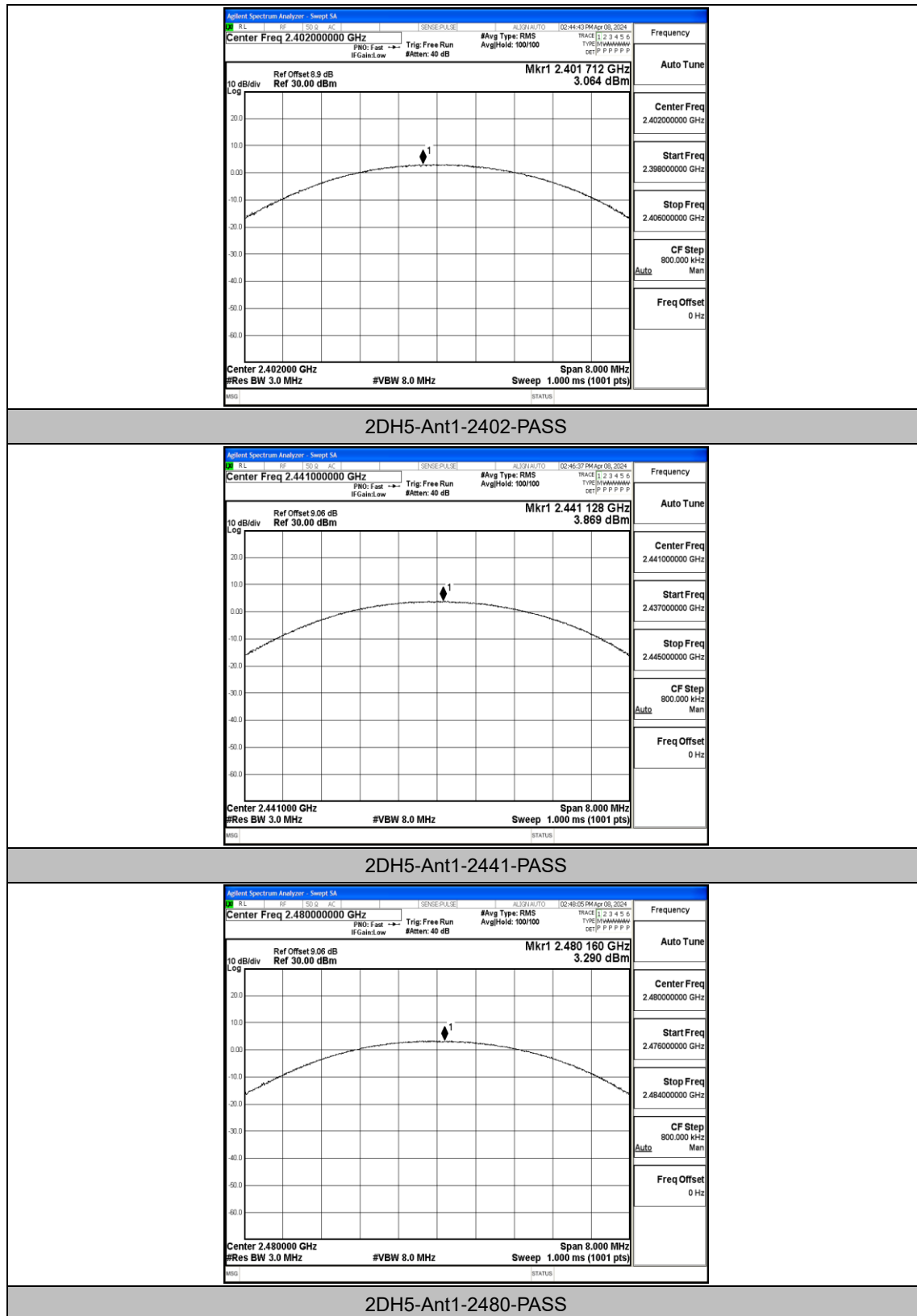
## Appendix C: Maximum peak conducted output power

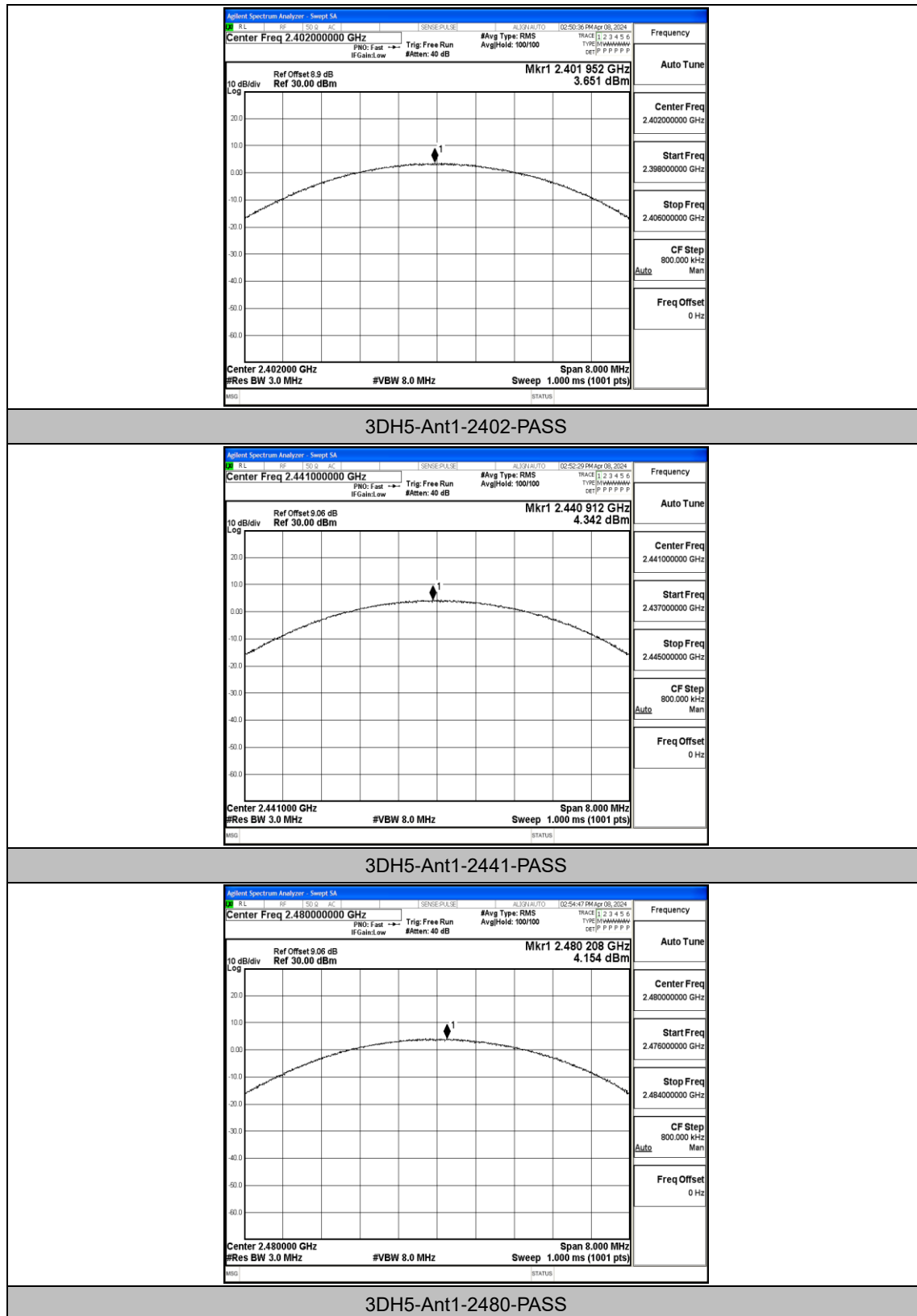
### Test Result

| Test Mode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|---------------------------|----------------------|---------|
| DH5       | Ant1    | 2402           | 1.32                      | ≤30                  | PASS    |
| DH5       | Ant1    | 2441           | 1.86                      | ≤30                  | PASS    |
| DH5       | Ant1    | 2480           | 1.35                      | ≤30                  | PASS    |
| 2DH5      | Ant1    | 2402           | 3.06                      | ≤30                  | PASS    |
| 2DH5      | Ant1    | 2441           | 3.87                      | ≤20.97               | PASS    |
| 2DH5      | Ant1    | 2480           | 3.29                      | ≤20.97               | PASS    |
| 3DH5      | Ant1    | 2402           | 3.65                      | ≤20.97               | PASS    |
| 3DH5      | Ant1    | 2441           | 4.34                      | ≤20.97               | PASS    |
| 3DH5      | Ant1    | 2480           | 4.15                      | ≤20.97               | PASS    |

## Test Graphs





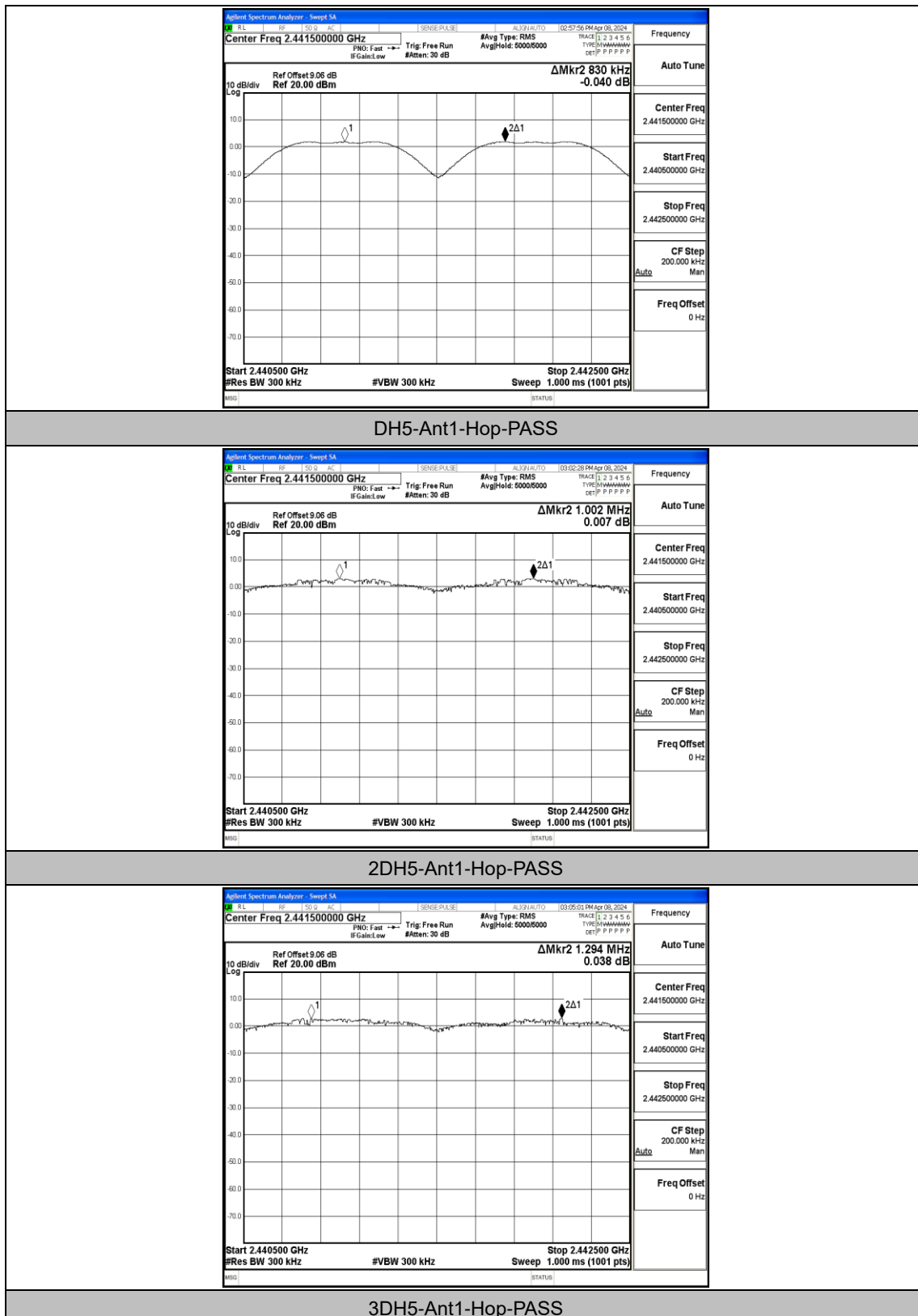


## Appendix D: Carrier frequency separation

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[MHz] | Limit[MHz]   | Verdict |
|----------|---------|----------------|-------------|--------------|---------|
| DH5      | Ant1    | Hop            | 0.83        | $\geq 0.644$ | PASS    |
| 2DH5     | Ant1    | Hop            | 1.002       | $\geq 0.884$ | PASS    |
| 3DH5     | Ant1    | Hop            | 1.294       | $\geq 0.876$ | PASS    |

## Test Graphs

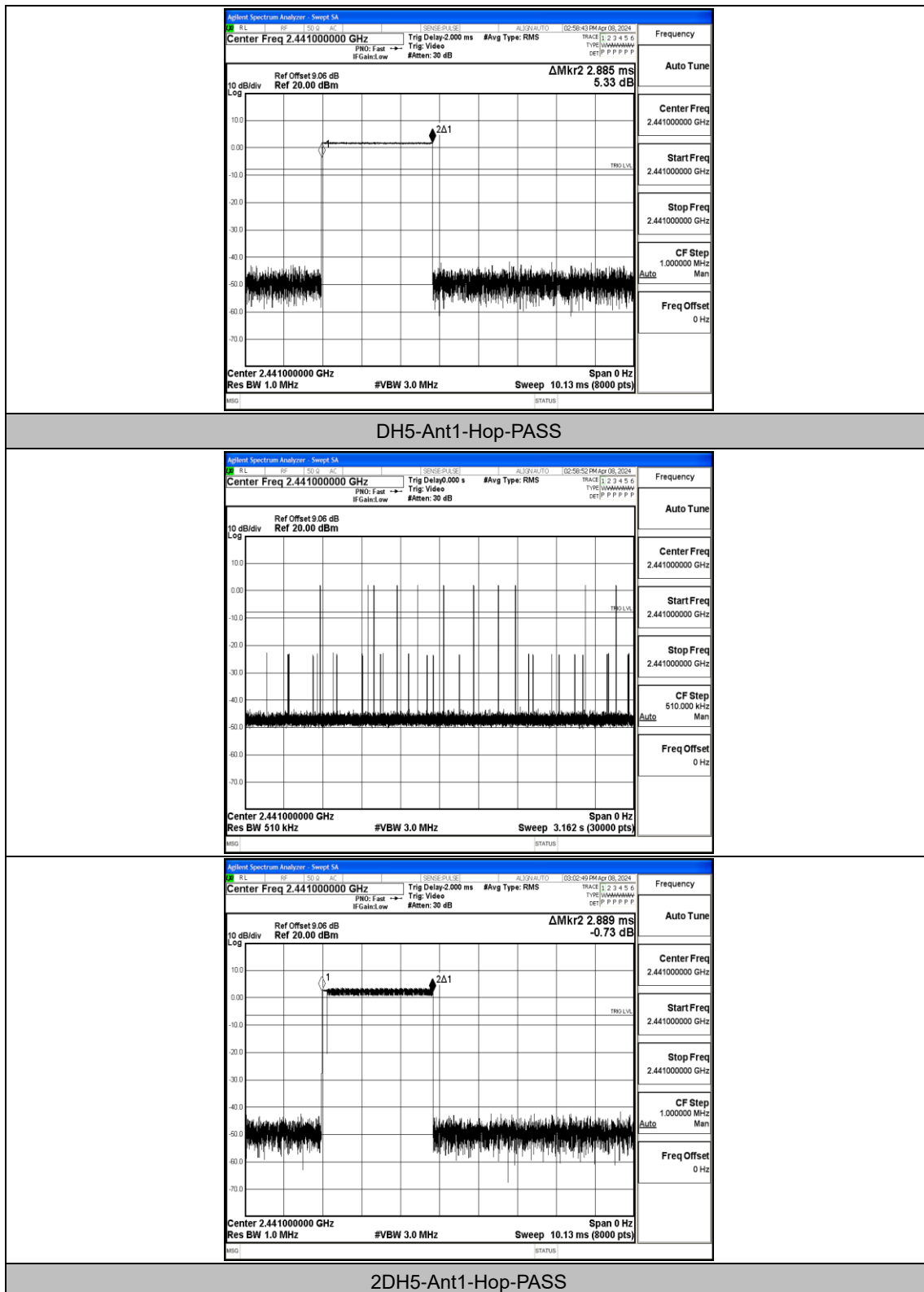


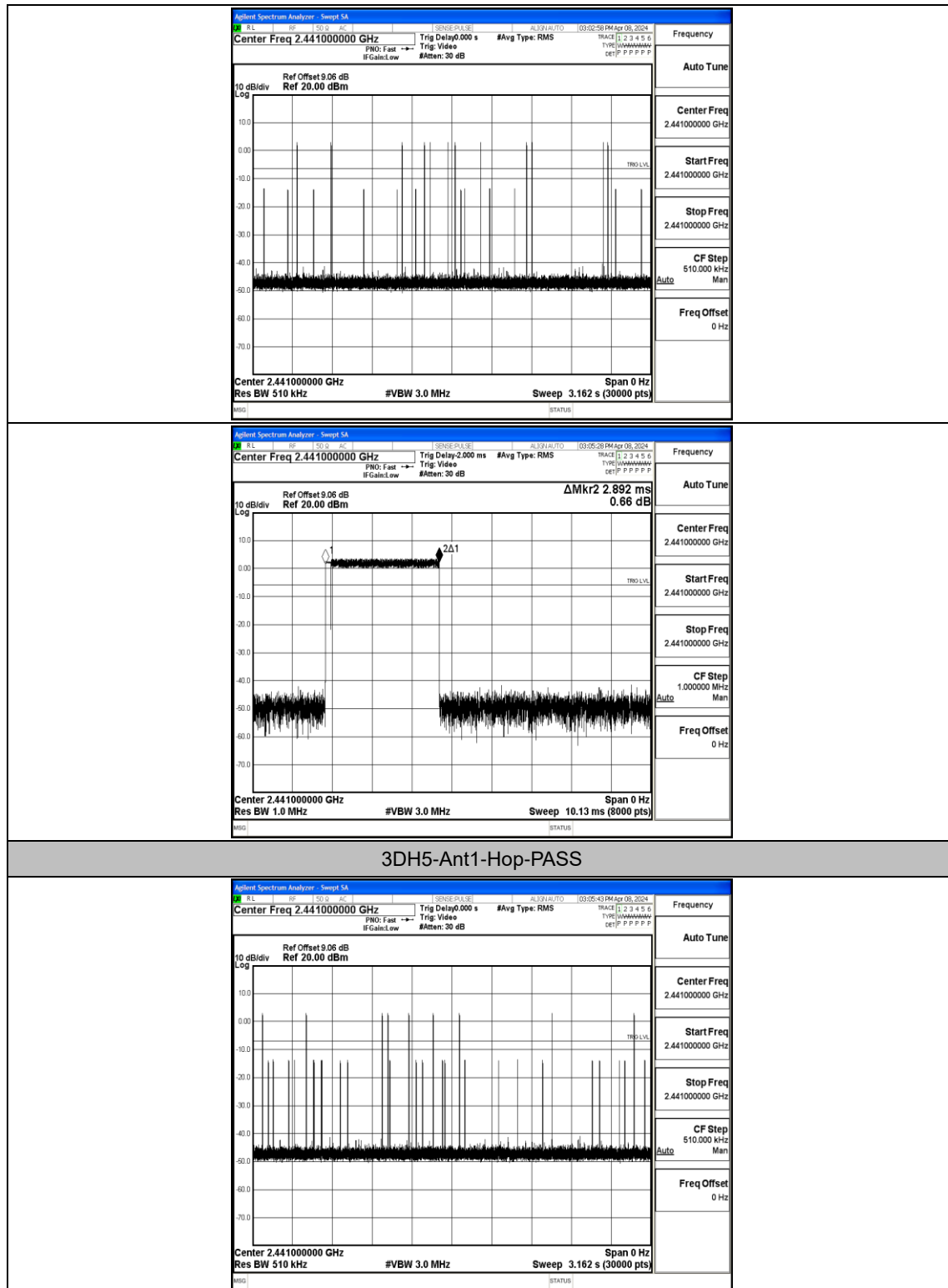
## Appendix E: Time of occupancy

### Test Result

| TestMode | Antenna | Frequency[MHz] | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|----------------|--------------------|--------------------|-----------|----------|---------|
| DH5      | Ant1    | Hop            | 2.885              | 120                | 0.346     | ≤0.4     | PASS    |
| 2DH5     | Ant1    | Hop            | 2.889              | 130                | 0.376     | ≤0.4     | PASS    |
| 3DH5     | Ant1    | Hop            | 2.892              | 100                | 0.289     | ≤0.4     | PASS    |

## Test Graphs



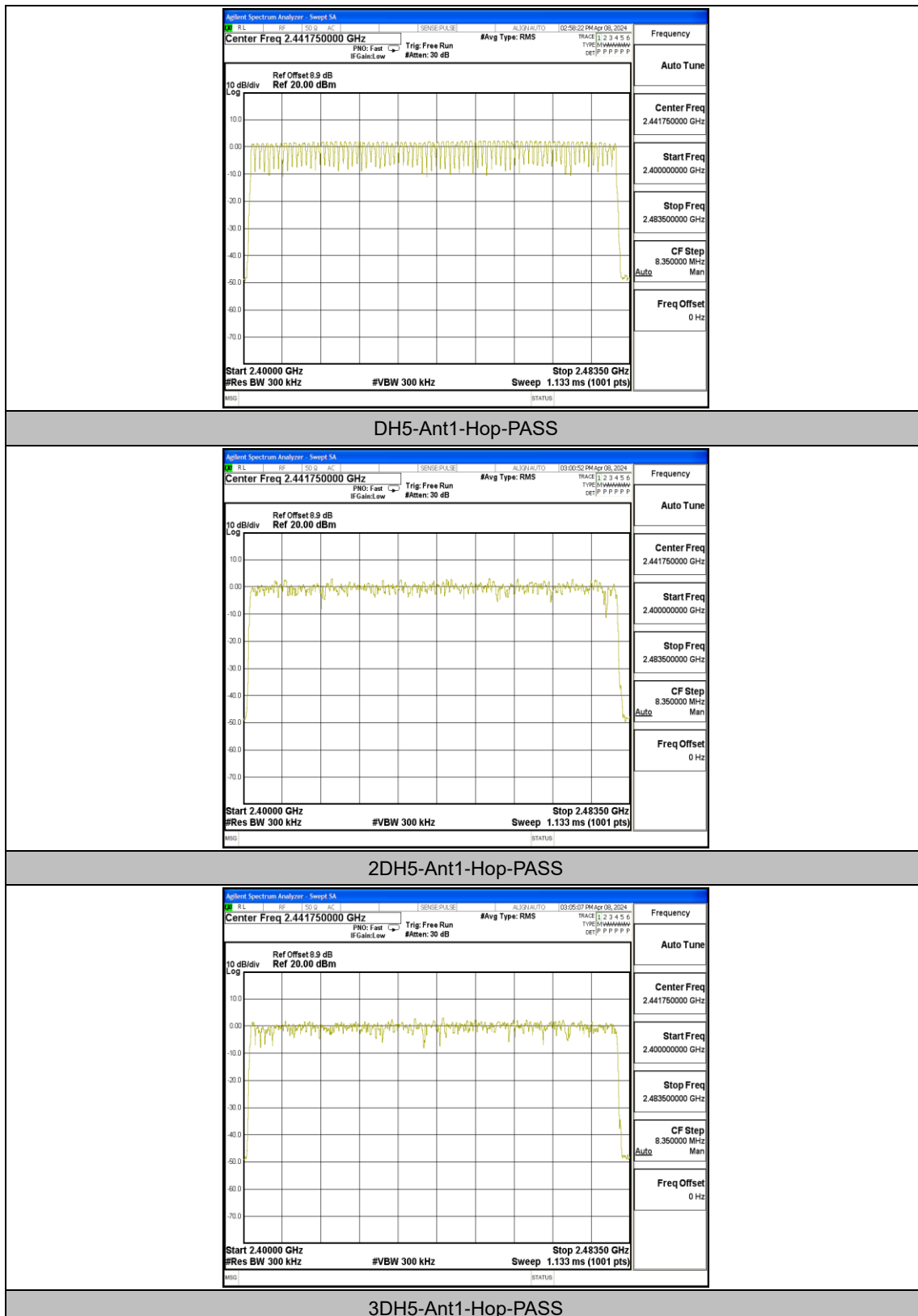


## Appendix F: Number of hopping channels

### Test Result

| TestMode | Antenna | Frequency[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

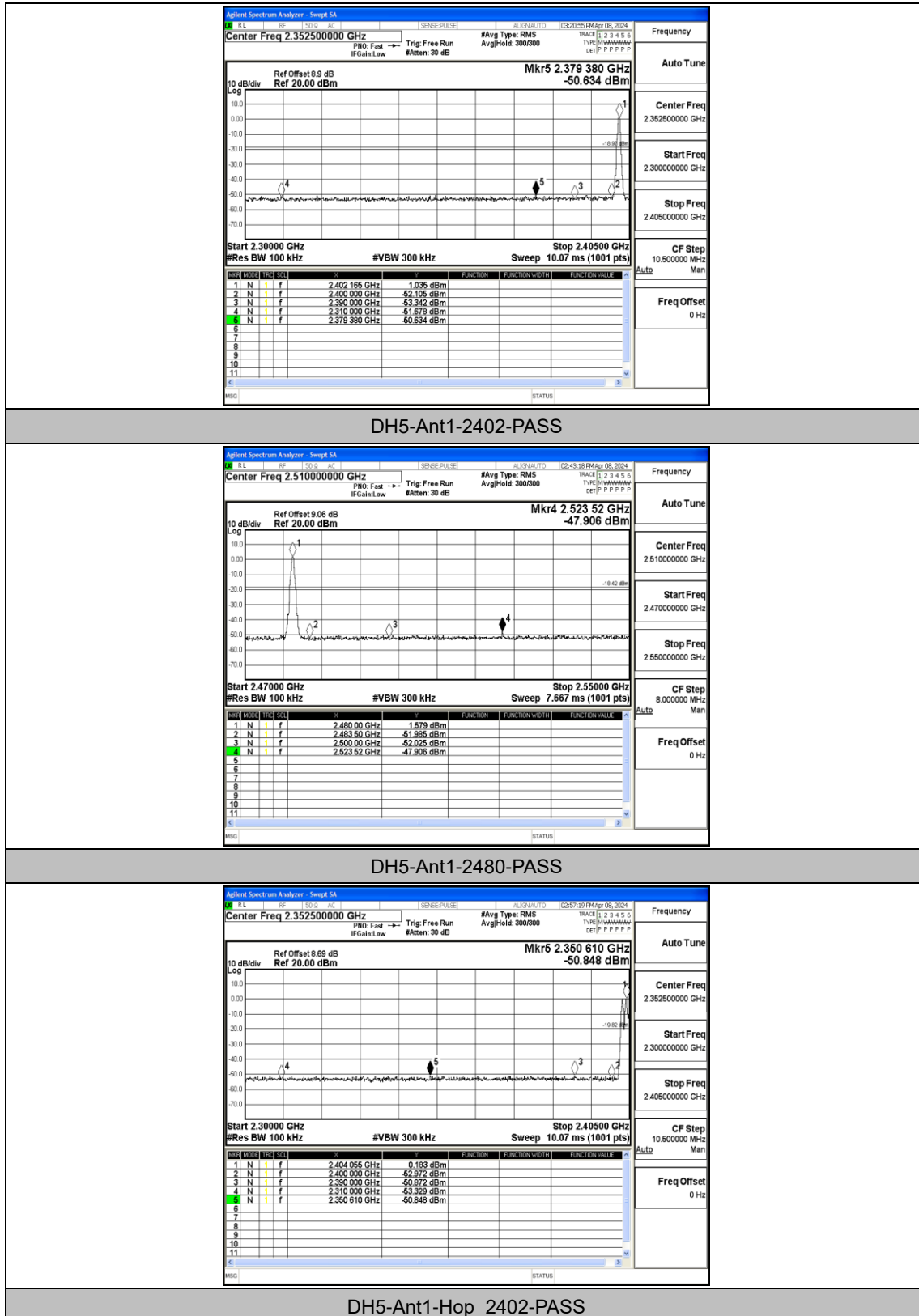


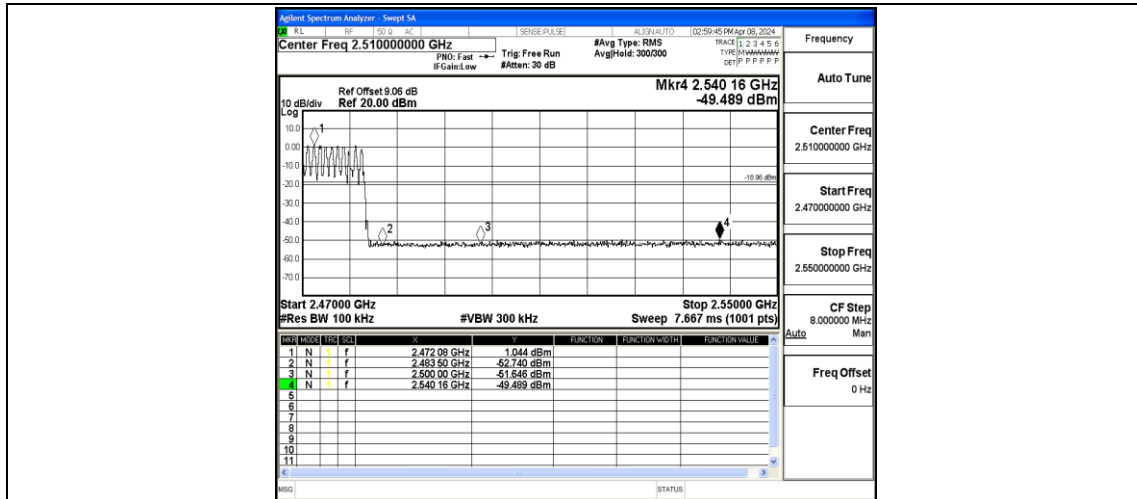
## Appendix G: Band edge measurements

### Test Result

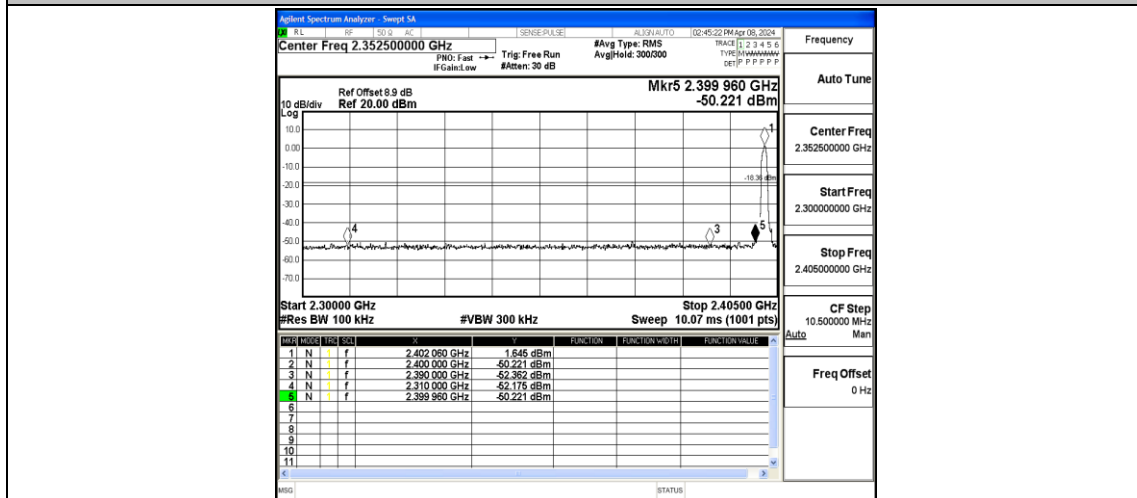
| TestMode | Antenna | ChName | Frequency[MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|----------------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | Low    | 2402           | 1.04           | -50.63       | ≤-18.97     | PASS    |
| DH5      | Ant1    | High   | 2480           | 1.58           | -47.91       | ≤-18.42     | PASS    |
| DH5      | Ant1    | Low    | Hop_2402       | 0.18           | -50.85       | ≤-19.82     | PASS    |
| DH5      | Ant1    | High   | Hop_2480       | 1.04           | -49.49       | ≤-18.96     | PASS    |
| 2DH5     | Ant1    | Low    | 2402           | 1.65           | -50.22       | ≤-18.36     | PASS    |
| 2DH5     | Ant1    | High   | 2480           | 2.23           | -49.56       | ≤-17.77     | PASS    |
| 2DH5     | Ant1    | Low    | Hop_2402       | 1.85           | -50.97       | ≤-18.15     | PASS    |
| 2DH5     | Ant1    | High   | Hop_2480       | 0.51           | -49.47       | ≤-19.49     | PASS    |
| 3DH5     | Ant1    | Low    | 2402           | 1.91           | -49.8        | ≤-18.09     | PASS    |
| 3DH5     | Ant1    | High   | 2480           | 2.15           | -49.33       | ≤-17.85     | PASS    |
| 3DH5     | Ant1    | Low    | Hop_2402       | 0.33           | -50.24       | ≤-19.67     | PASS    |
| 3DH5     | Ant1    | High   | Hop_2480       | 2.35           | -48.54       | ≤-17.65     | PASS    |

## Test Graphs

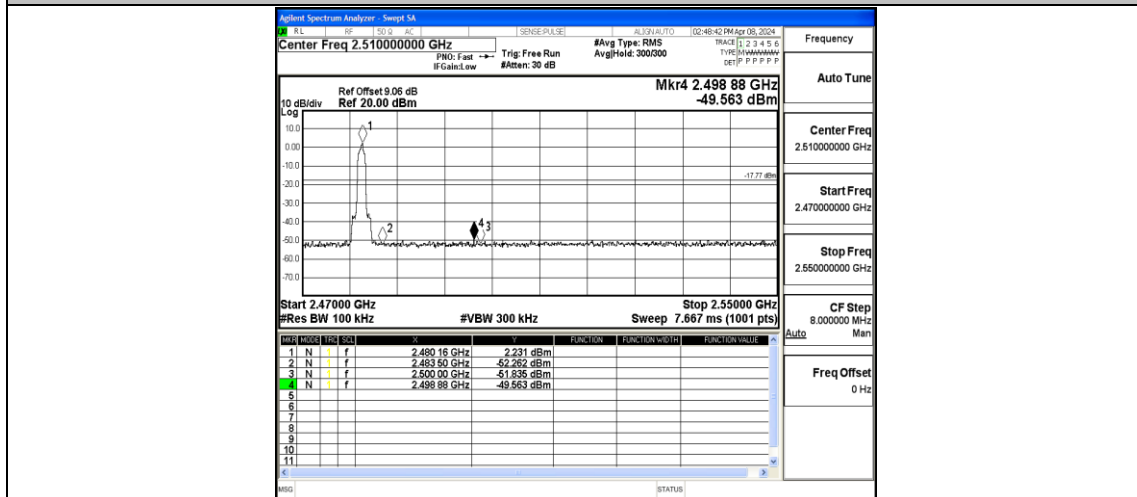




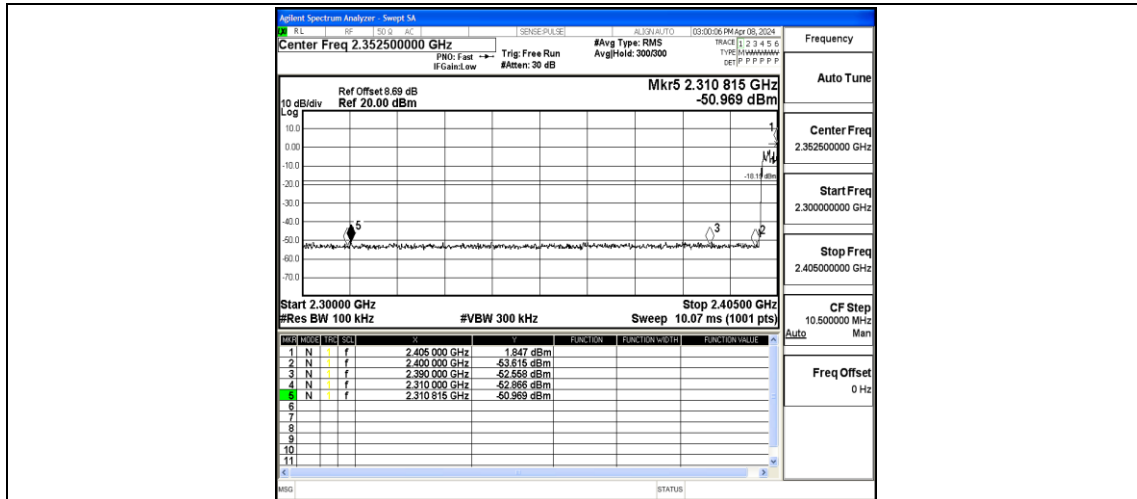
## DH5-Ant1-Hop\_2480-PASS



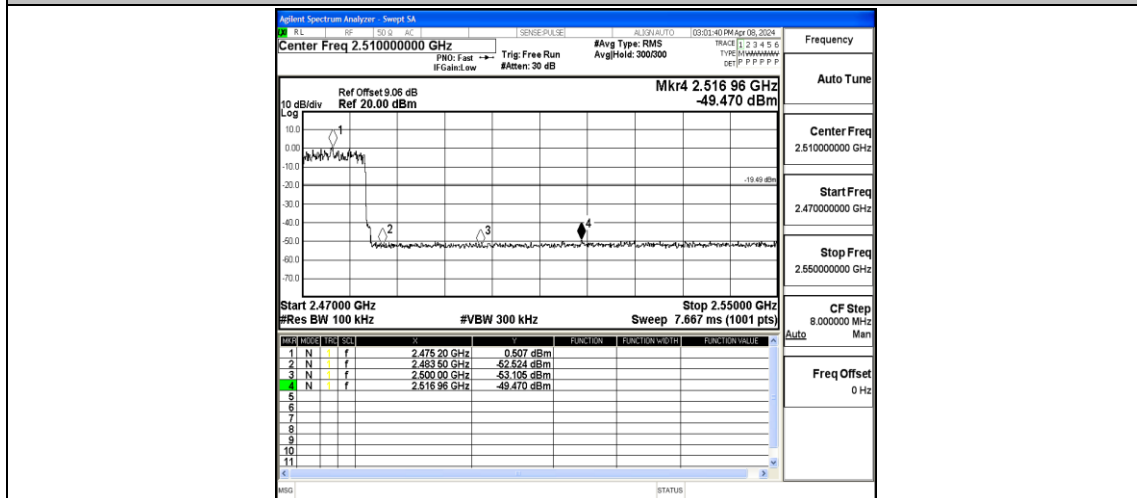
## 2DH5-Ant1-2402-PASS



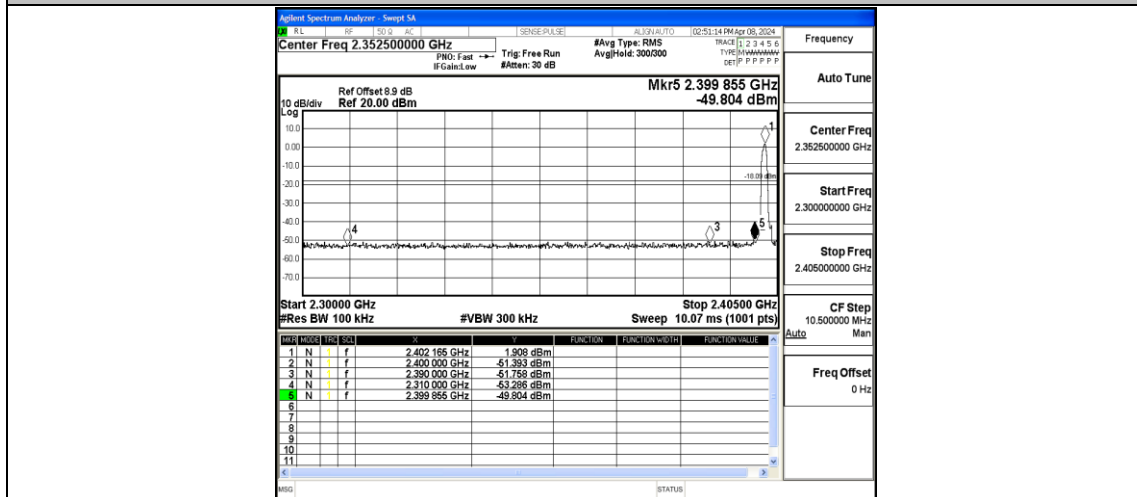
## 2DH5-Ant1-2480-PASS



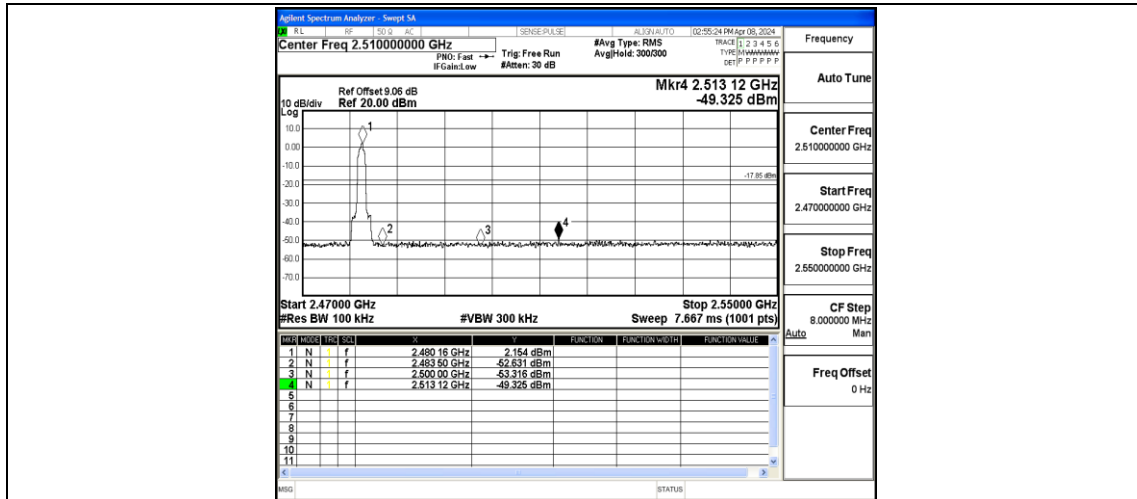
## 2DH5-Ant1-Hop\_2402-PASS



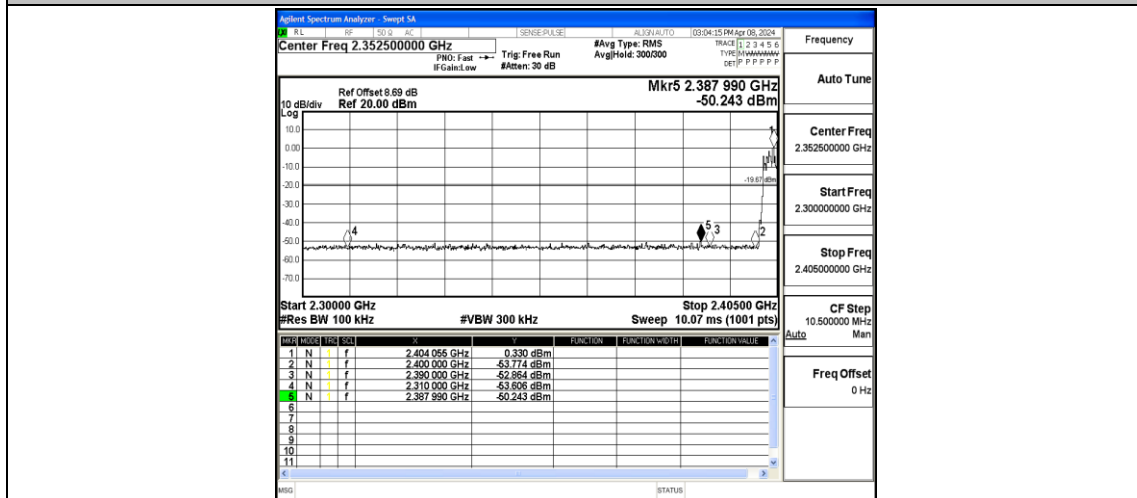
## 2DH5-Ant1-Hop\_2480-PASS



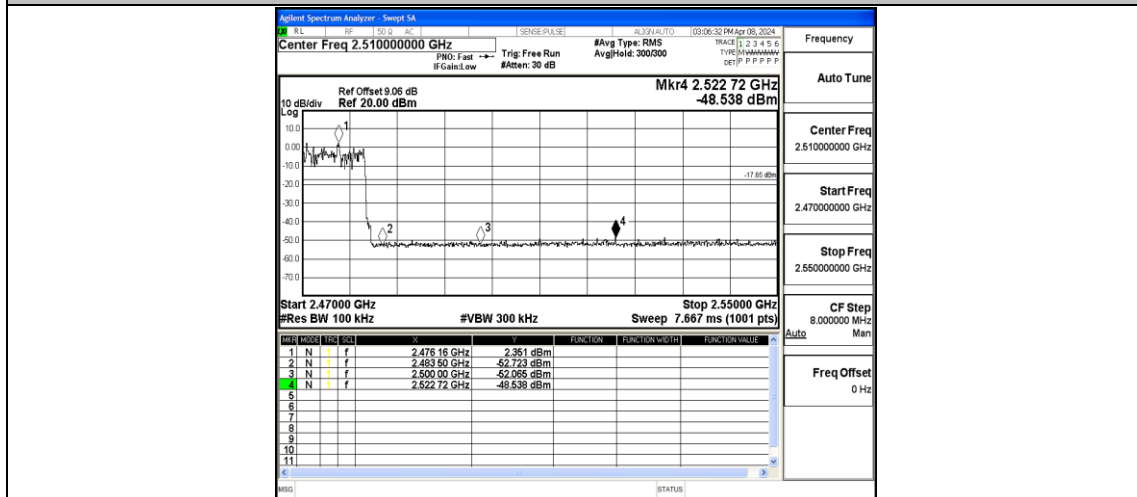
## 3DH5-Ant1-2402-PASS



## 3DH5-Ant1-2480-PASS



## 3DH5-Ant1-Hop\_2402-PASS



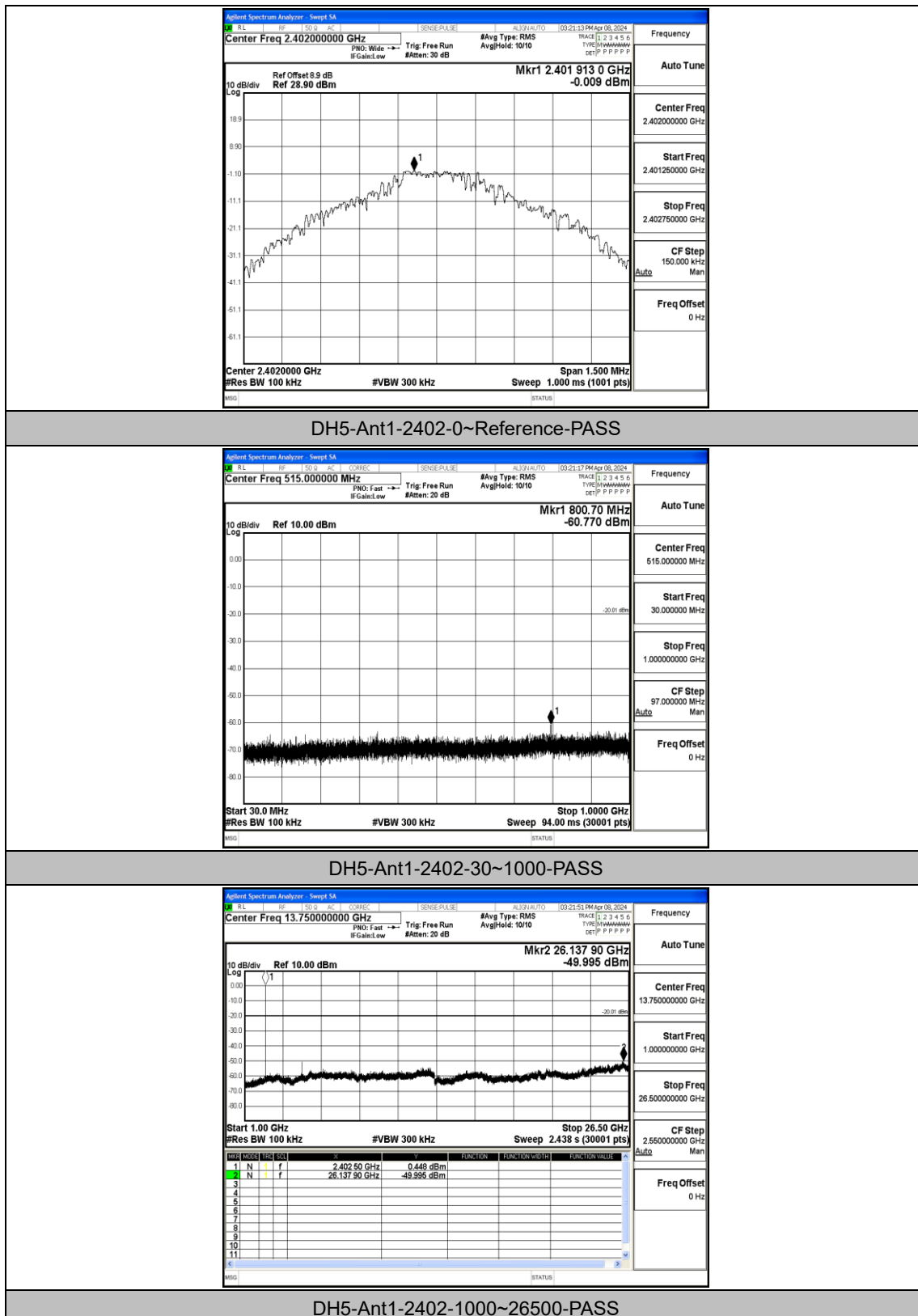
## 3DH5-Ant1-Hop\_2480-PASS

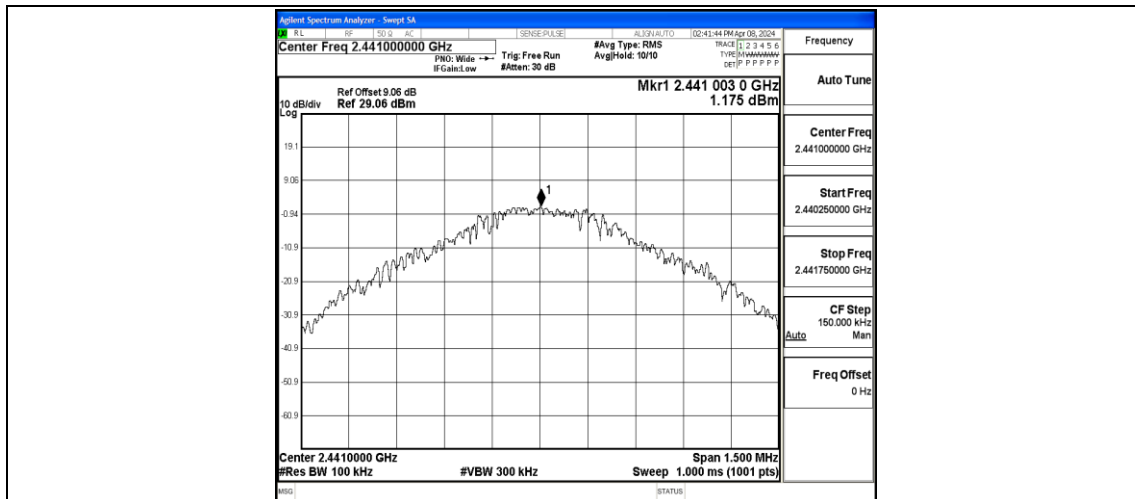
## Appendix H: Conducted Spurious Emission

### Test Result

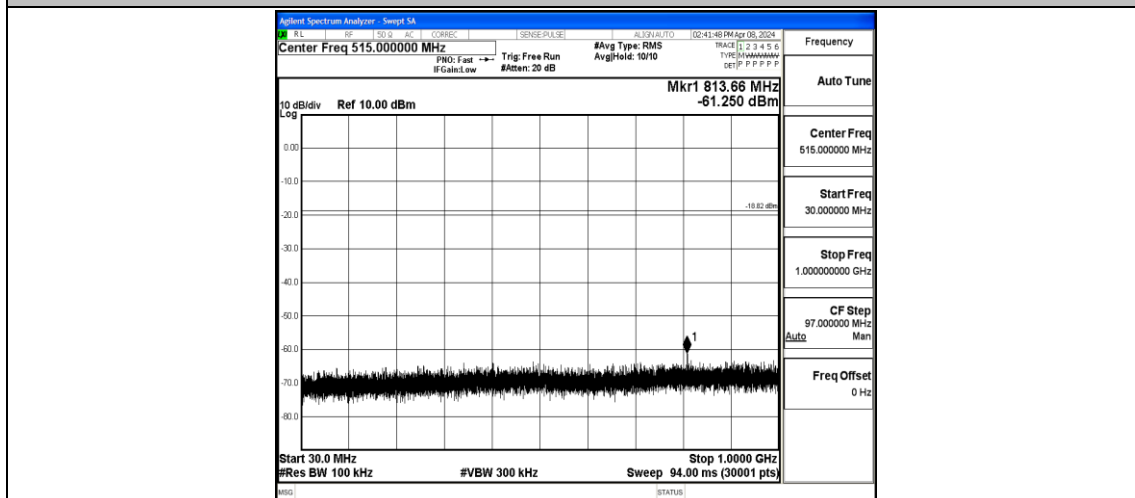
| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | 2402           | 0~Reference     | -0.01          | -0.01        | ---         | PASS    |
| DH5      | Ant1    | 2402           | 30~1000         | -0.01          | -60.77       | ≤-20.01     | PASS    |
| DH5      | Ant1    | 2402           | 1000~26500      | -0.01          | -50          | ≤-20.01     | PASS    |
| DH5      | Ant1    | 2441           | 0~Reference     | 1.18           | 1.18         | ---         | PASS    |
| DH5      | Ant1    | 2441           | 30~1000         | 1.18           | -61.25       | ≤-18.82     | PASS    |
| DH5      | Ant1    | 2441           | 1000~26500      | 1.18           | -50.59       | ≤-18.82     | PASS    |
| DH5      | Ant1    | 2480           | 0~Reference     | 0.63           | 0.63         | ---         | PASS    |
| DH5      | Ant1    | 2480           | 30~1000         | 0.63           | -61.03       | ≤-19.37     | PASS    |
| DH5      | Ant1    | 2480           | 1000~26500      | 0.63           | -49.57       | ≤-19.37     | PASS    |
| 2DH5     | Ant1    | 2402           | 0~Reference     | 0.48           | 0.48         | ---         | PASS    |
| 2DH5     | Ant1    | 2402           | 30~1000         | 0.48           | -62.63       | ≤-19.52     | PASS    |
| 2DH5     | Ant1    | 2402           | 1000~26500      | 0.48           | -50.16       | ≤-19.52     | PASS    |
| 2DH5     | Ant1    | 2441           | 0~Reference     | -0.19          | -0.19        | ---         | PASS    |
| 2DH5     | Ant1    | 2441           | 30~1000         | -0.19          | -62.73       | ≤-20.19     | PASS    |
| 2DH5     | Ant1    | 2441           | 1000~26500      | -0.19          | -50.75       | ≤-20.19     | PASS    |
| 2DH5     | Ant1    | 2480           | 0~Reference     | 0.32           | 0.32         | ---         | PASS    |
| 2DH5     | Ant1    | 2480           | 30~1000         | 0.32           | -62.98       | ≤-19.68     | PASS    |
| 2DH5     | Ant1    | 2480           | 1000~26500      | 0.32           | -50          | ≤-19.68     | PASS    |
| 3DH5     | Ant1    | 2402           | 0~Reference     | -1.05          | -1.05        | ---         | PASS    |
| 3DH5     | Ant1    | 2402           | 30~1000         | -1.05          | -62.82       | ≤-21.05     | PASS    |
| 3DH5     | Ant1    | 2402           | 1000~26500      | -1.05          | -50.07       | ≤-21.05     | PASS    |
| 3DH5     | Ant1    | 2441           | 0~Reference     | 1.76           | 1.76         | ---         | PASS    |
| 3DH5     | Ant1    | 2441           | 30~1000         | 1.76           | -62.98       | ≤-18.24     | PASS    |
| 3DH5     | Ant1    | 2441           | 1000~26500      | 1.76           | -43.24       | ≤-18.24     | PASS    |
| 3DH5     | Ant1    | 2480           | 0~Reference     | -0.35          | -0.35        | ---         | PASS    |
| 3DH5     | Ant1    | 2480           | 30~1000         | -0.35          | -61.58       | ≤-20.35     | PASS    |
| 3DH5     | Ant1    | 2480           | 1000~26500      | -0.35          | -50.34       | ≤-20.35     | PASS    |

## Test Graphs

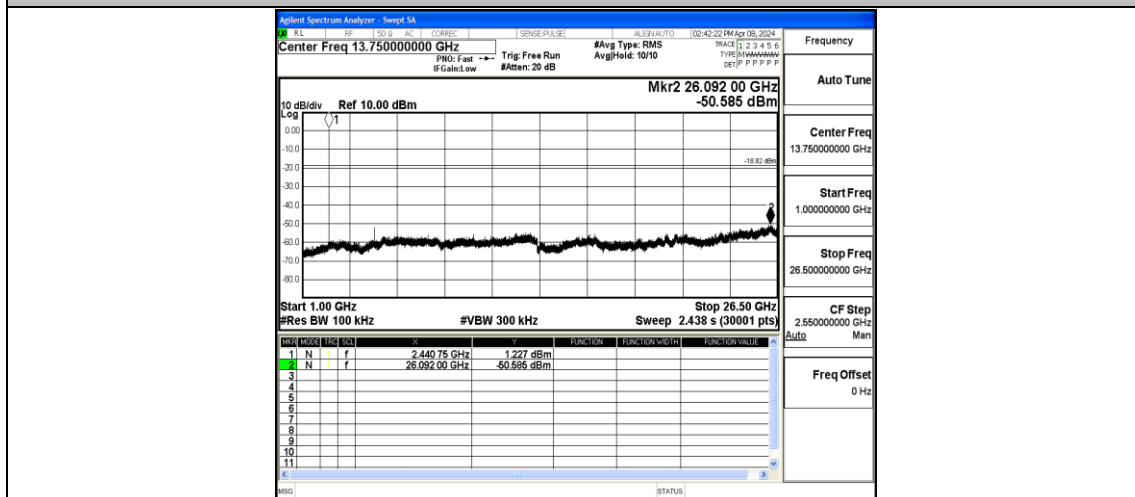




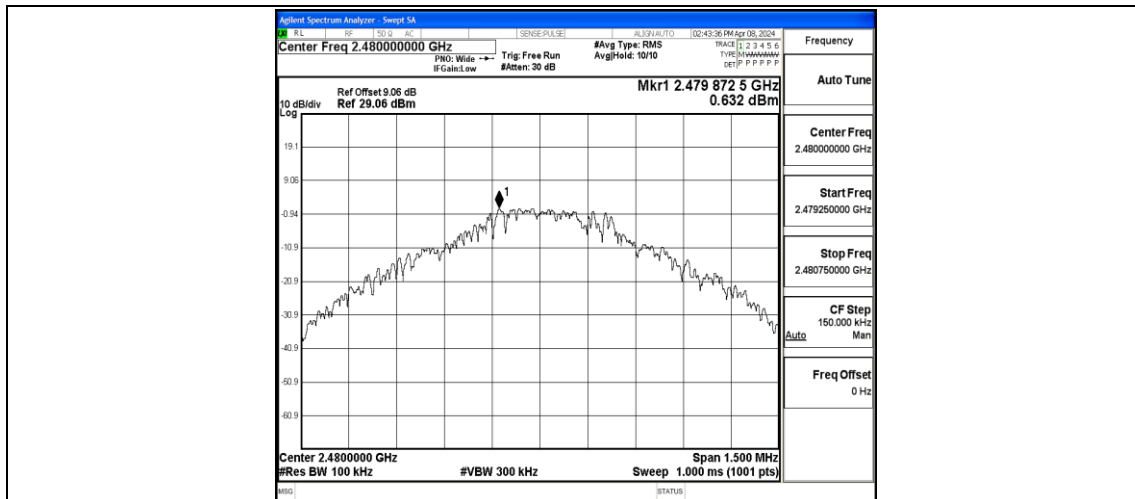
## DH5-Ant1-2441-0~Reference-PASS



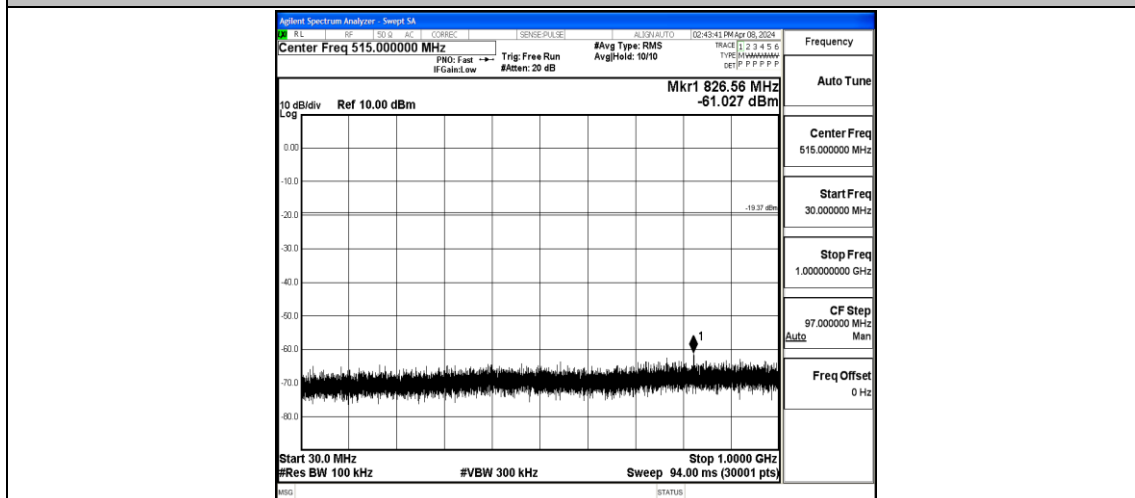
## DH5-Ant1-2441-30~1000-PASS



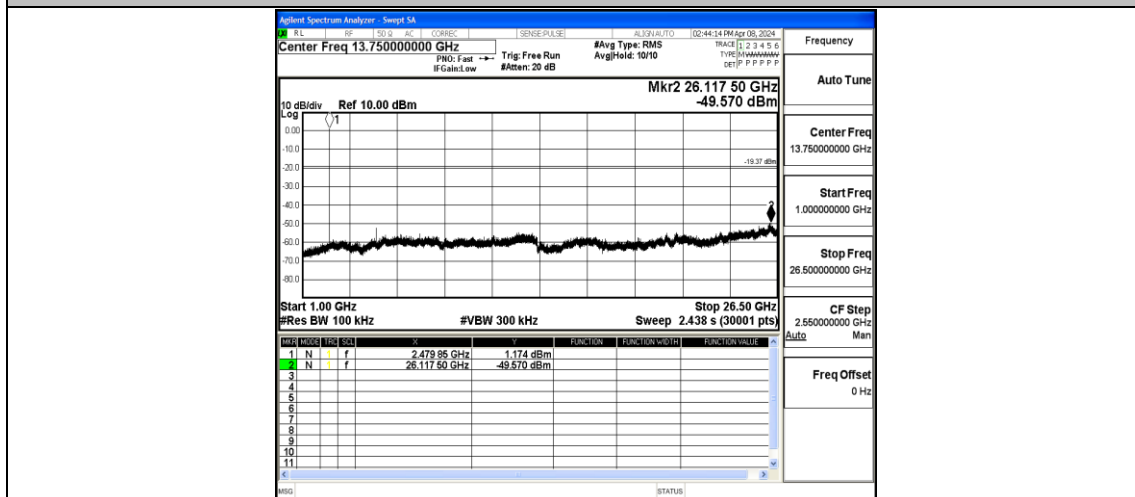
## DH5-Ant1-2441-1000~26500-PASS



## DH5-Ant1-2480-0~Reference-PASS



## DH5-Ant1-2480-30~1000-PASS



## DH5-Ant1-2480-1000~26500-PASS

