

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

Product Name: Foldable Bluetooth CAT Headphones

Trade Mark: N/A

Test Model: YS-BT0192

FCC ID: 2AWHS-BT0192

### Environmental Conditions

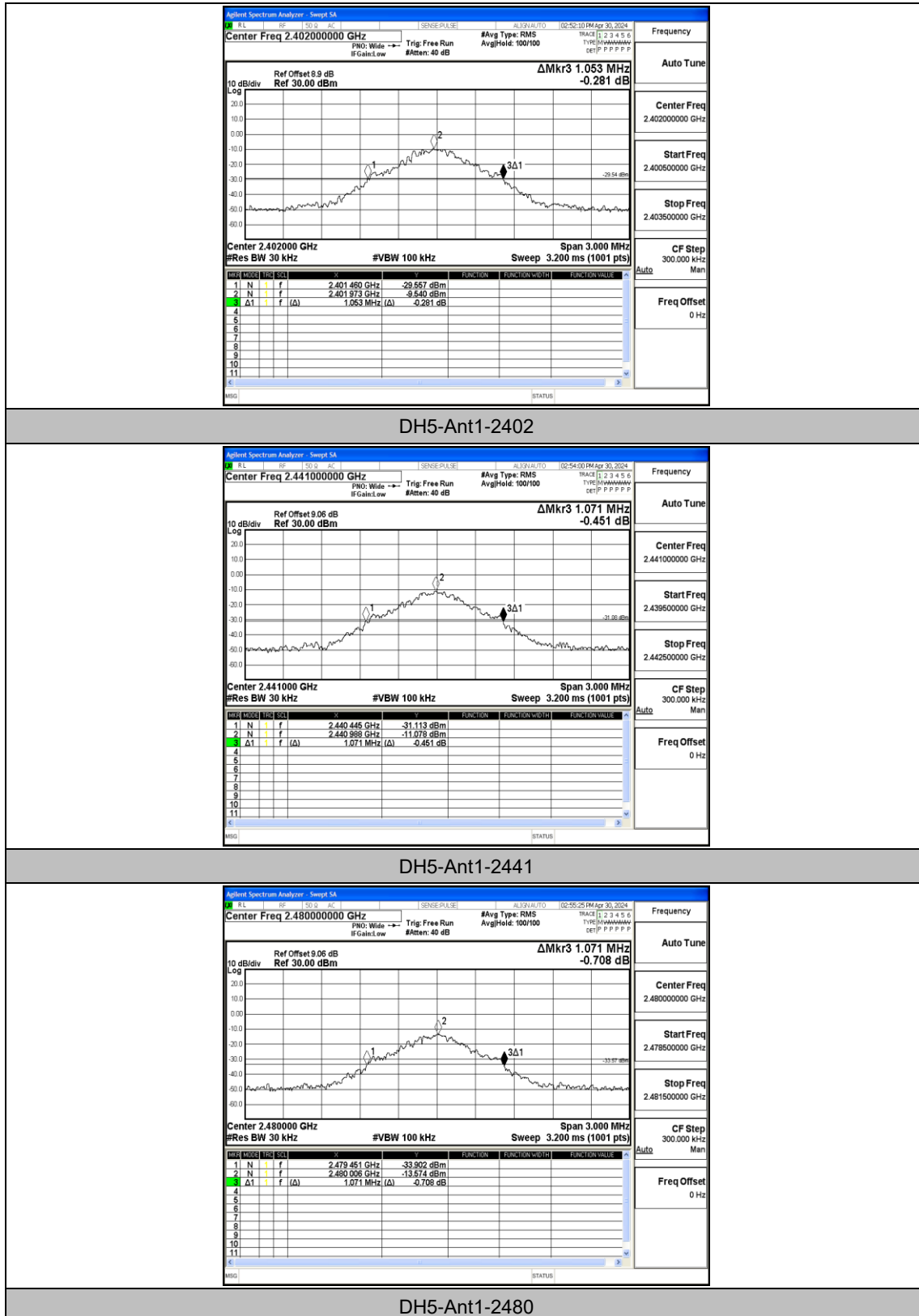
|                    |           |
|--------------------|-----------|
| Temperature:       | 23.8℃     |
| Relative Humidity: | 58%       |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Allen Lai |
| Supervised by:     | Hugo Chen |
| NOTE               | N/A       |

## 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           | 1.053            | 2401.460 | 2402.513 | ---        | ---     |
| DH5      | Ant1    | 2441           | 1.071            | 2440.445 | 2441.516 | ---        | ---     |
| DH5      | Ant1    | 2480           | 1.071            | 2479.451 | 2480.522 | ---        | ---     |
| 2DH5     | Ant1    | 2402           | 1.347            | 2401.328 | 2402.675 | ---        | ---     |
| 2DH5     | Ant1    | 2441           | 1.350            | 2440.322 | 2441.672 | ---        | ---     |
| 2DH5     | Ant1    | 2480           | 1.347            | 2479.313 | 2480.660 | ---        | ---     |

## Test Graphs



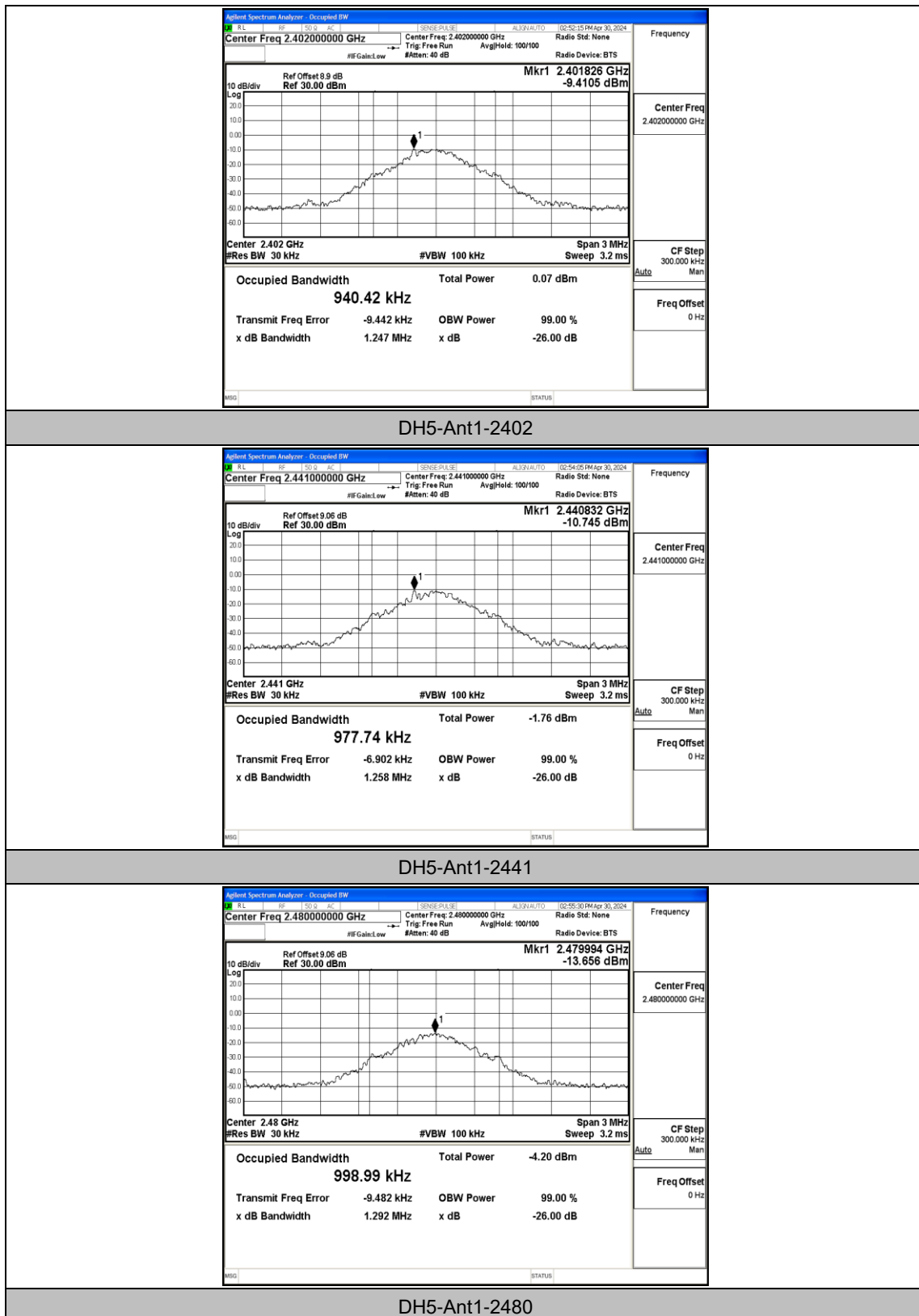


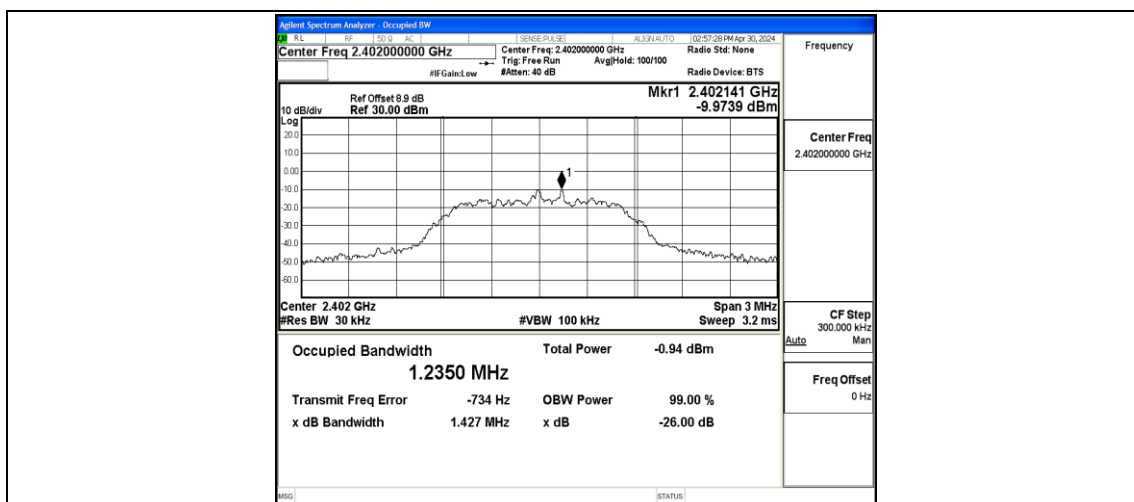
## Appendix B: Occupied Channel Bandwidth

### Test Result

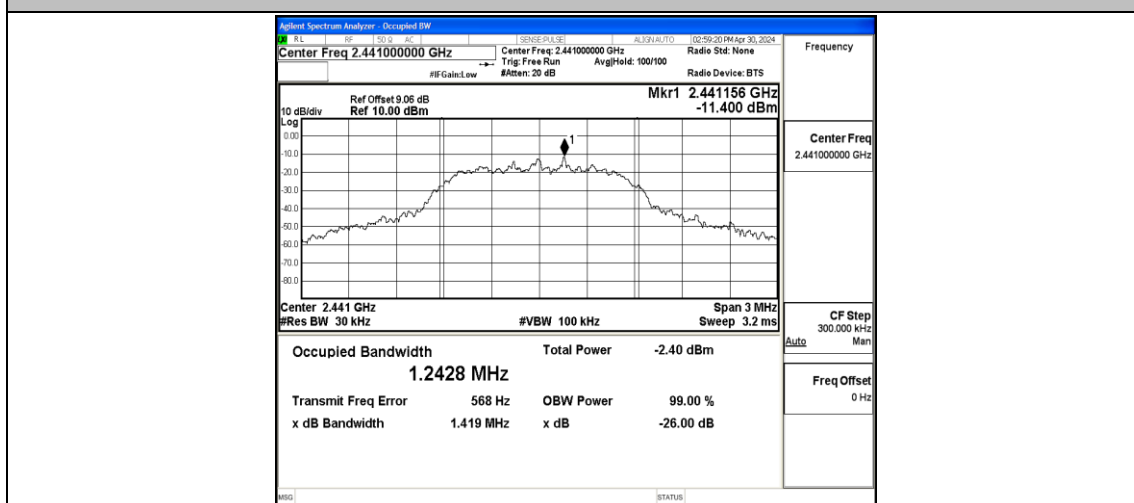
| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| DH5      | Ant1    | 2402           | 0.94042   | 2401.5204 | 2402.4608 | ---        | ---     |
| DH5      | Ant1    | 2441           | 0.97774   | 2440.5042 | 2441.4820 | ---        | ---     |
| DH5      | Ant1    | 2480           | 0.99899   | 2479.4910 | 2480.4900 | ---        | ---     |
| 2DH5     | Ant1    | 2402           | 1.2350    | 2401.3818 | 2402.6168 | ---        | ---     |
| 2DH5     | Ant1    | 2441           | 1.2428    | 2440.3792 | 2441.6220 | ---        | ---     |
| 2DH5     | Ant1    | 2480           | 1.2524    | 2479.3750 | 2480.6274 | ---        | ---     |

## Test Graphs

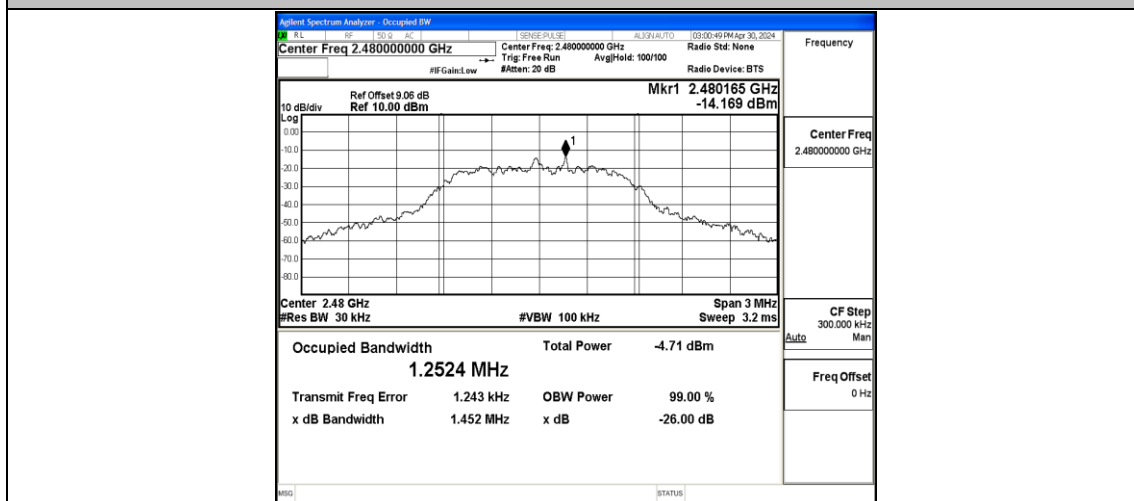




2DH5-Ant1-2402



2DH5-Ant1-2441



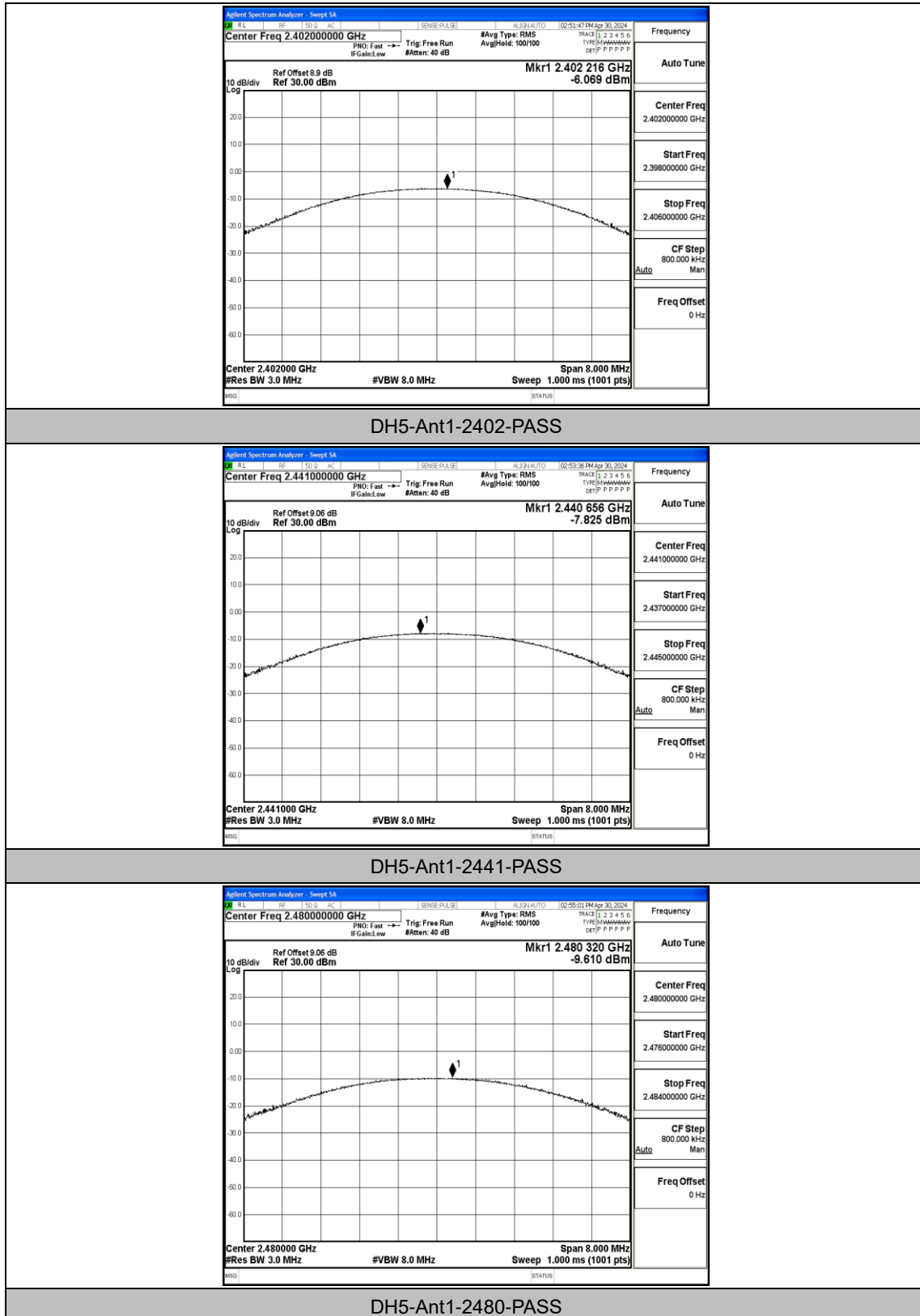
2DH5-Ant1-2480

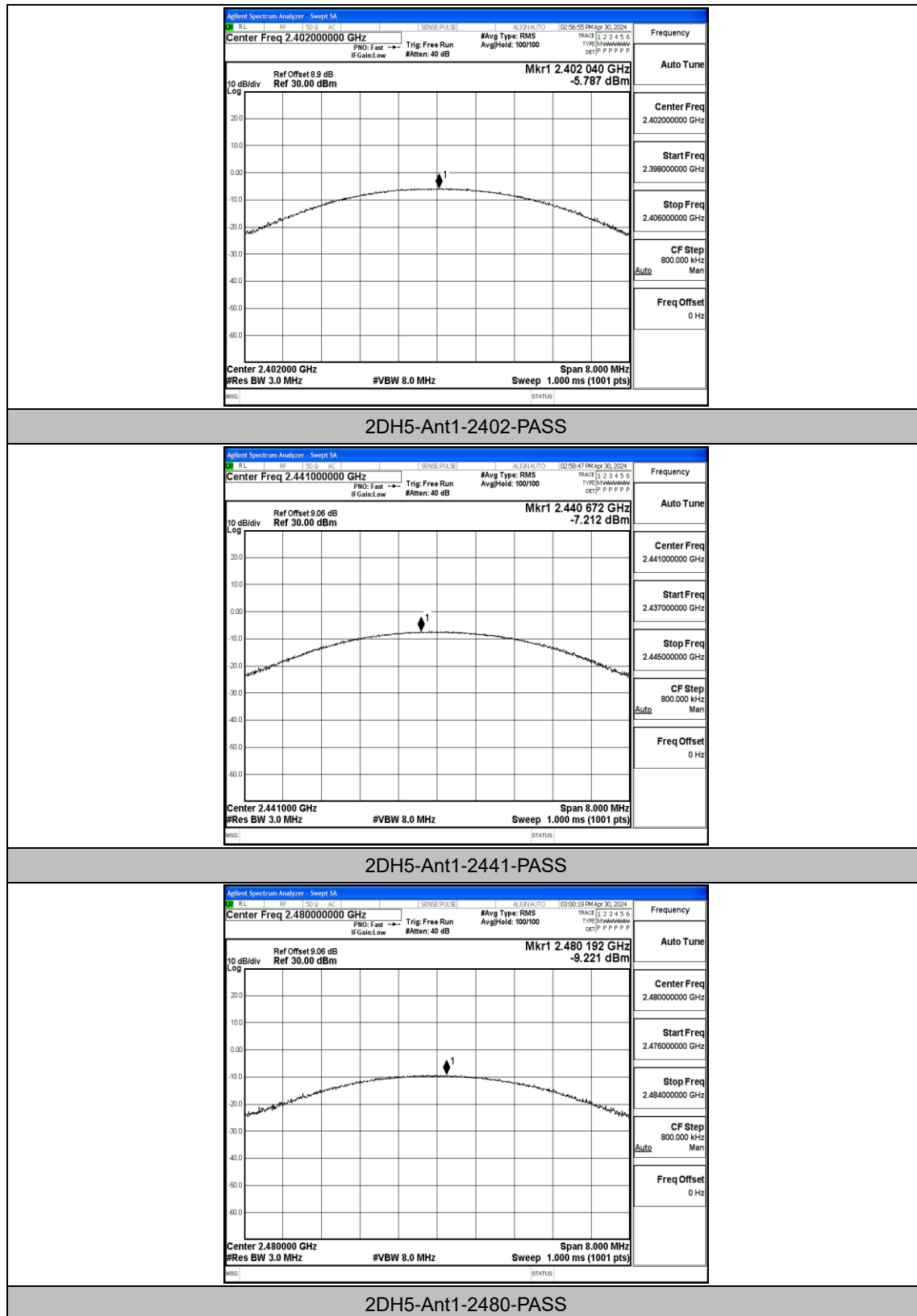
## Appendix C: Maximum peak conducted output power

### Test Result

| Test Mode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|---------------------------|----------------------|---------|
| DH5       | Ant1    | 2402           | -6.07                     | ≤30                  | PASS    |
| DH5       | Ant1    | 2441           | -7.83                     | ≤30                  | PASS    |
| DH5       | Ant1    | 2480           | -9.61                     | ≤30                  | PASS    |
| 2DH5      | Ant1    | 2402           | -5.79                     | ≤30                  | PASS    |
| 2DH5      | Ant1    | 2441           | -7.21                     | ≤30                  | PASS    |
| 2DH5      | Ant1    | 2480           | -9.22                     | ≤30                  | PASS    |

## Test Graphs



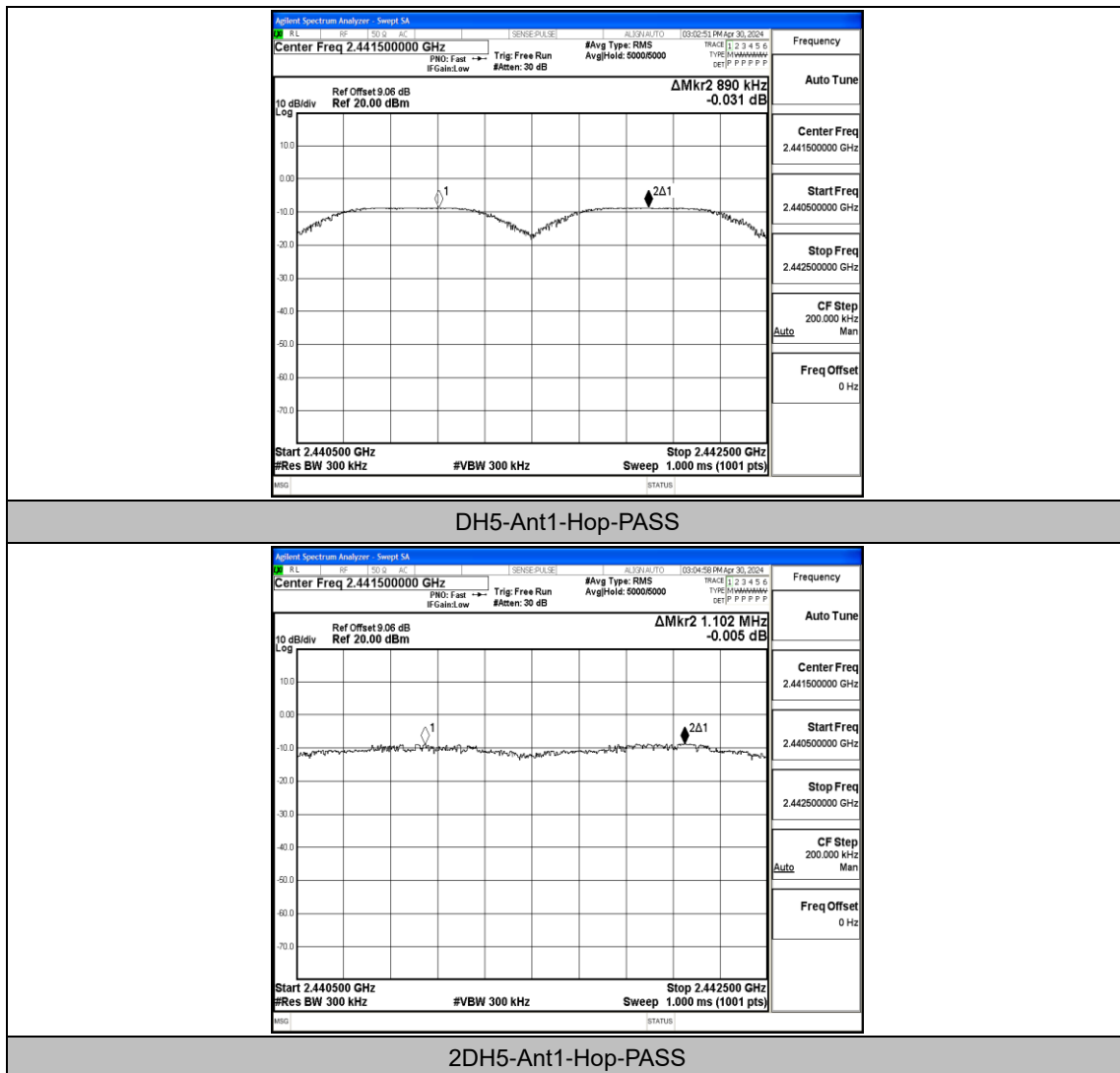


## Appendix D: Carrier frequency separation

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[MHz] | Limit[MHz]   | Verdict |
|----------|---------|----------------|-------------|--------------|---------|
| DH5      | Ant1    | Hop            | 0.89        | $\geq 0.714$ | PASS    |
| 2DH5     | Ant1    | Hop            | 1.102       | $\geq 0.900$ | PASS    |

## Test Graphs

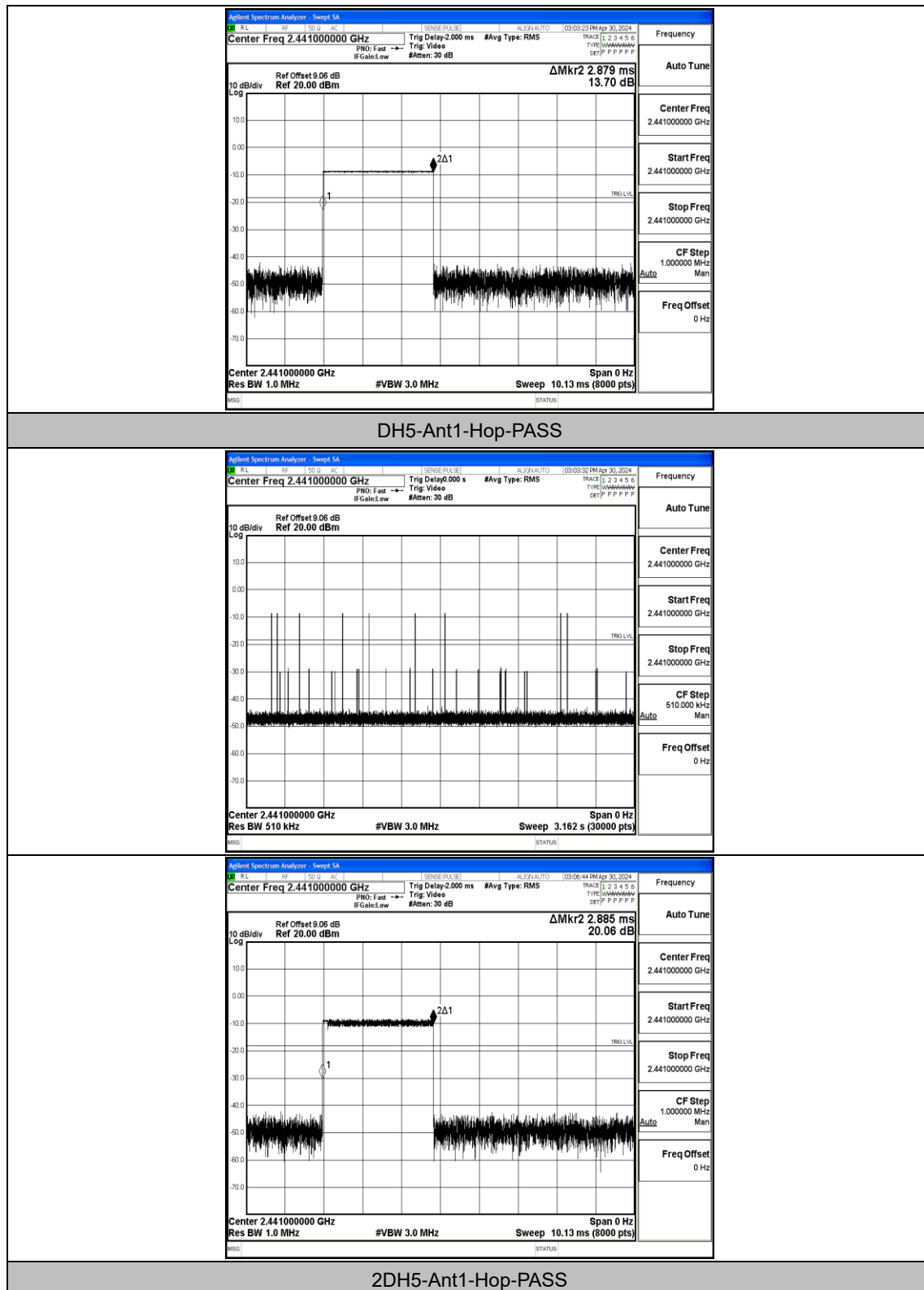


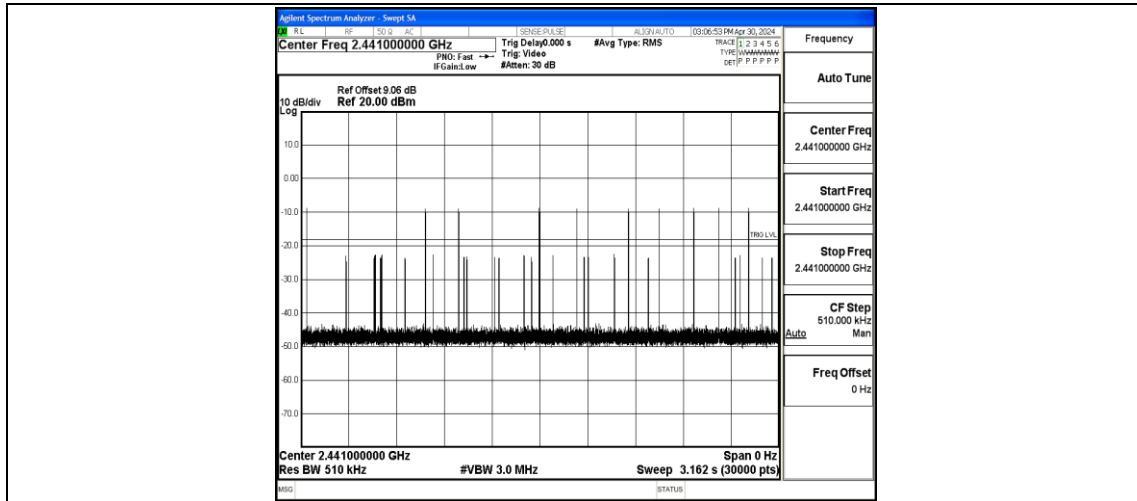
## Appendix E: Time of occupancy

### Test Result

| TestMode | Antenna | Frequency[MHz] | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|----------------|--------------------|--------------------|-----------|----------|---------|
| DH5      | Ant1    | Hop            | 2.879              | 100                | 0.288     | ≤0.4     | PASS    |
| 2DH5     | Ant1    | Hop            | 2.885              | 110                | 0.317     | ≤0.4     | PASS    |

## Test Graphs



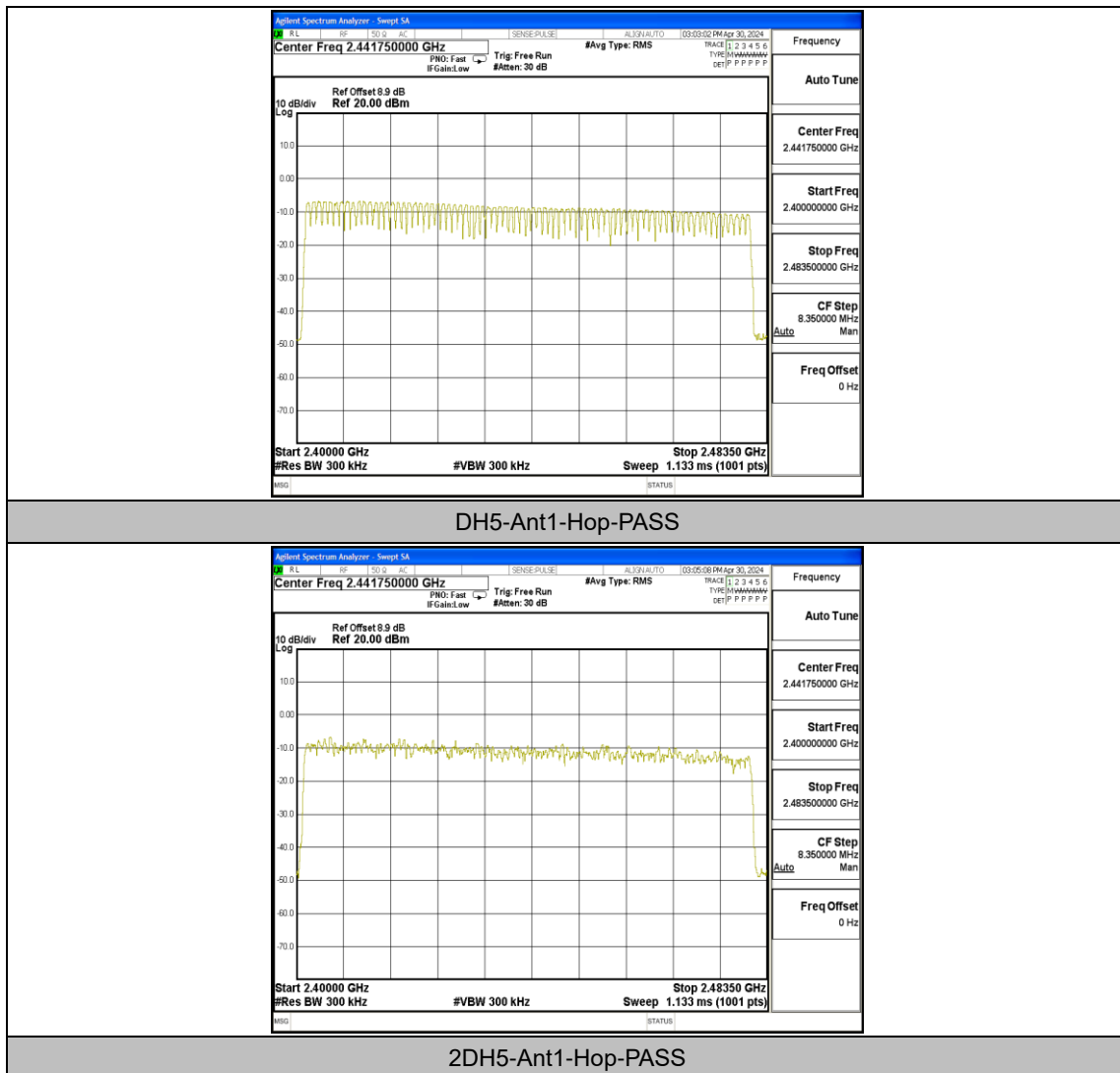


## Appendix F: Number of hopping channels

### Test Result

| TestMode | Antenna | Frequency[MHz] | Result[Num] | Limit[Num] | Verdict |
|----------|---------|----------------|-------------|------------|---------|
| DH5      | Ant1    | Hop            | 79          | ≥15        | PASS    |
| 2DH5     | Ant1    | Hop            | 79          | ≥15        | PASS    |

## Test Graphs

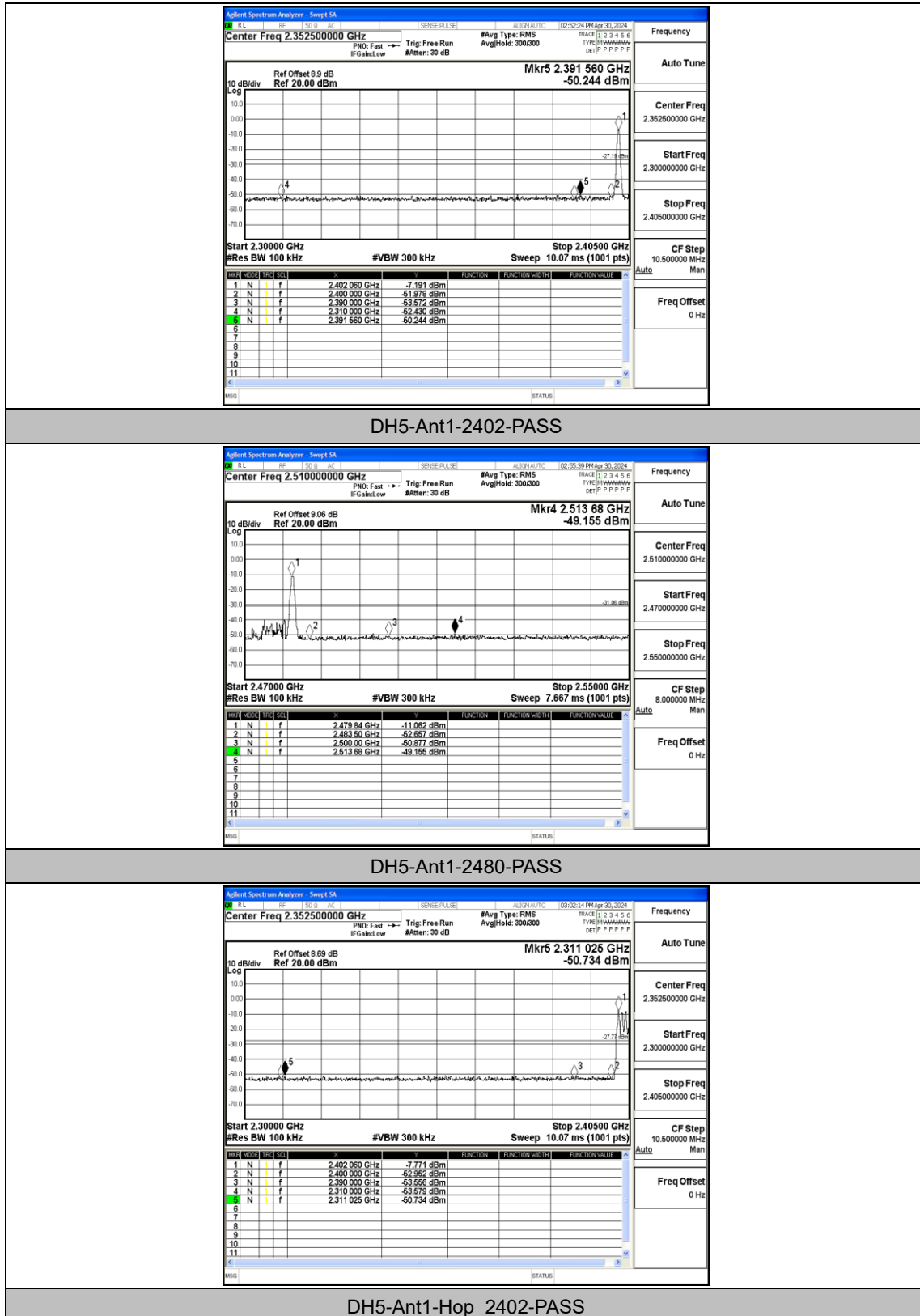


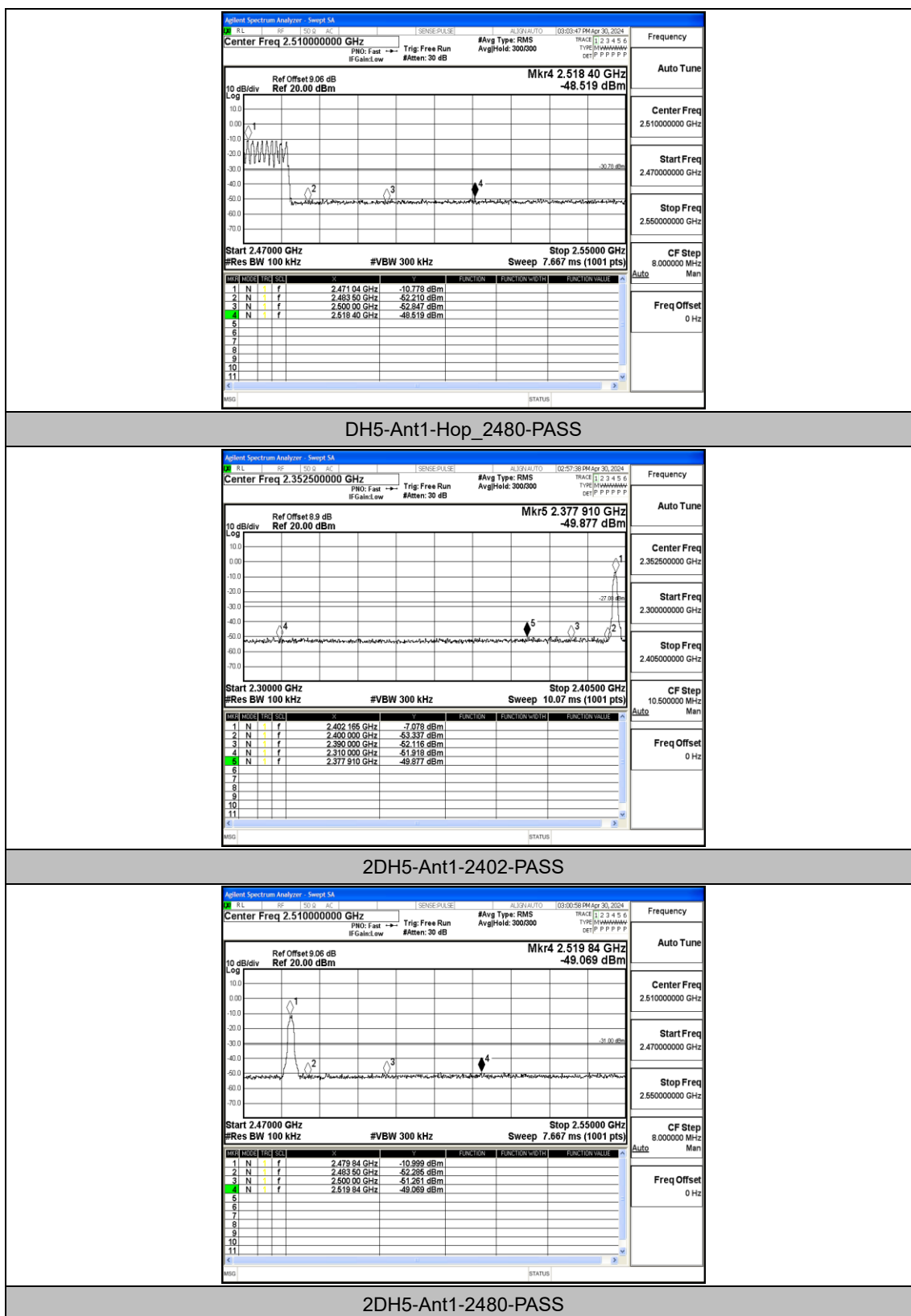
## Appendix G: Band edge measurements

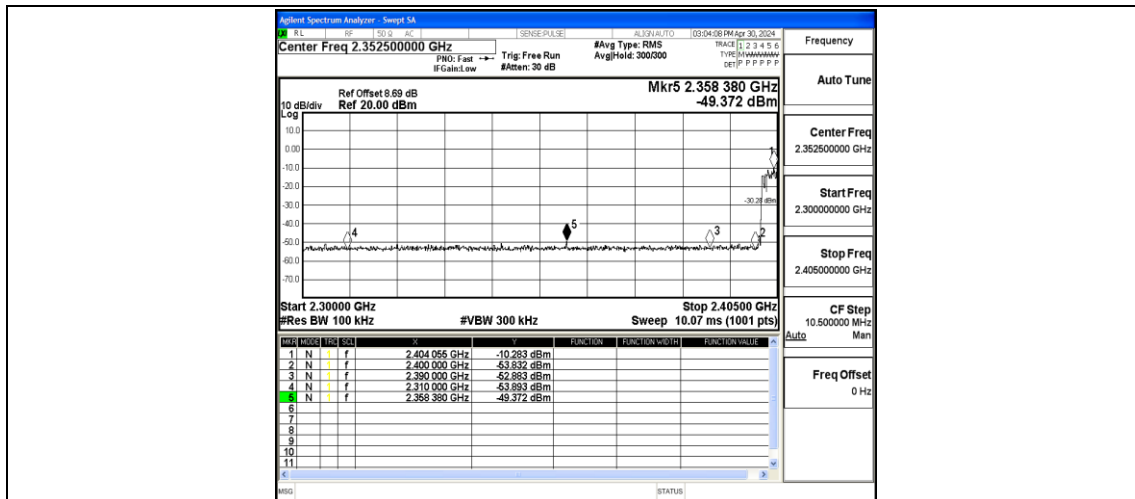
### Test Result

| TestMode | Antenna | ChName | Frequency[MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|----------|---------|--------|----------------|----------------|--------------|---------------|---------|
| DH5      | Ant1    | Low    | 2402           | -7.19          | -50.24       | $\leq -27.19$ | PASS    |
| DH5      | Ant1    | High   | 2480           | -11.06         | -49.16       | $\leq -31.06$ | PASS    |
| DH5      | Ant1    | Low    | Hop_2402       | -7.77          | -50.73       | $\leq -27.77$ | PASS    |
| DH5      | Ant1    | High   | Hop_2480       | -10.78         | -48.52       | $\leq -30.78$ | PASS    |
| 2DH5     | Ant1    | Low    | 2402           | -7.08          | -49.88       | $\leq -27.08$ | PASS    |
| 2DH5     | Ant1    | High   | 2480           | -11.00         | -49.07       | $\leq -31$    | PASS    |
| 2DH5     | Ant1    | Low    | Hop_2402       | -10.28         | -49.37       | $\leq -30.28$ | PASS    |
| 2DH5     | Ant1    | High   | Hop_2480       | -14.30         | -49.71       | $\leq -34.3$  | PASS    |

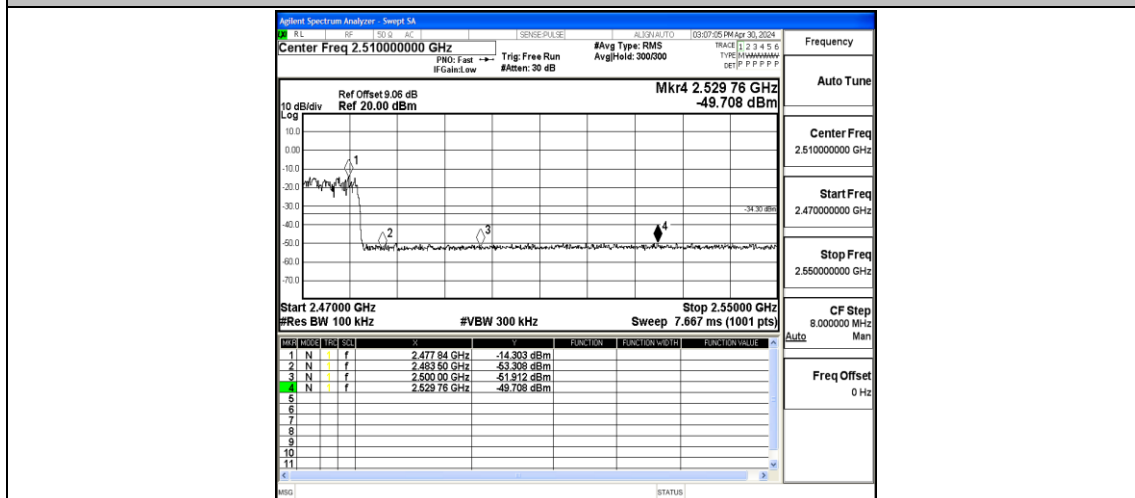
## Test Graphs







2DH5-Ant1-Hop\_2402-PASS



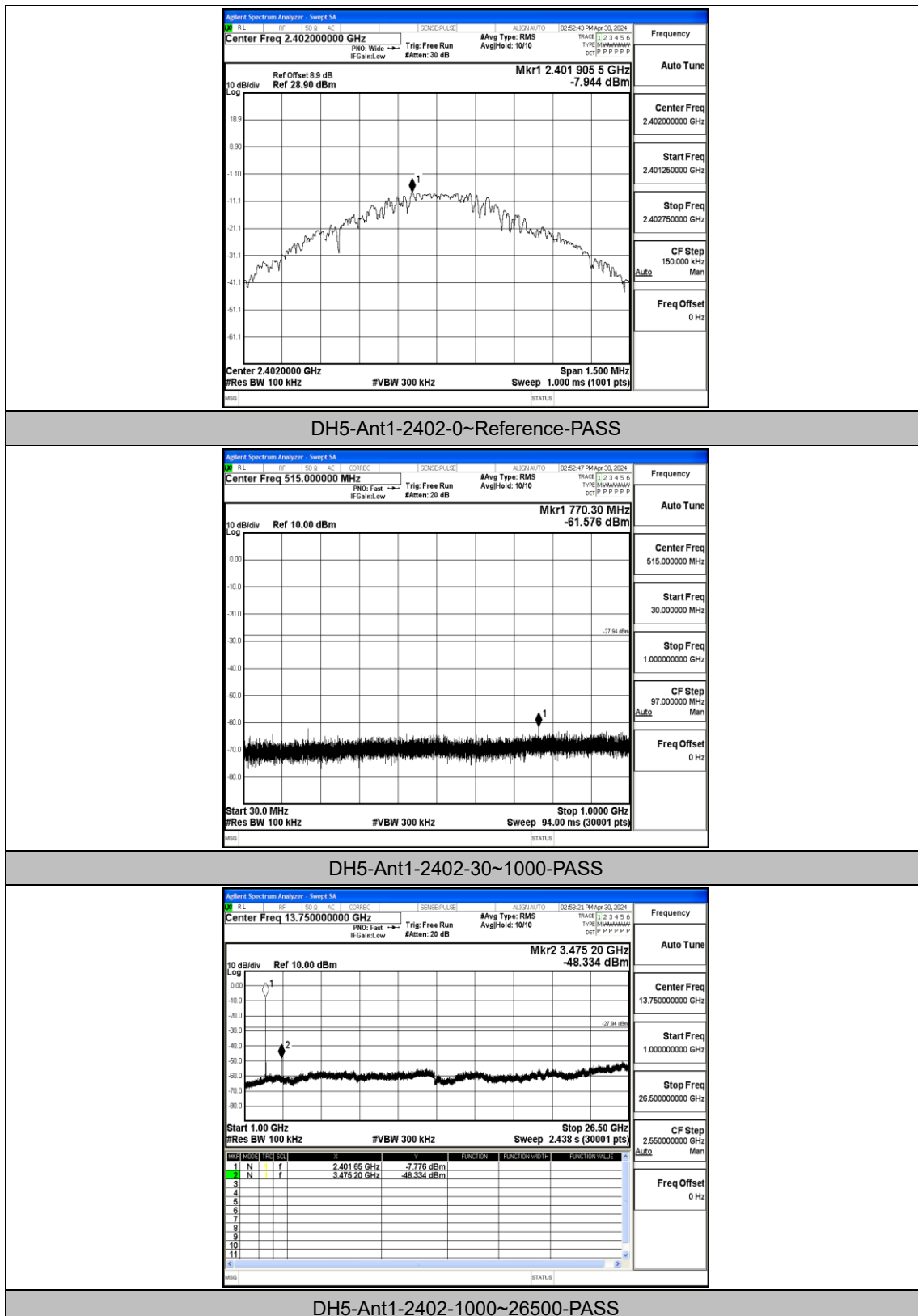
2DH5-Ant1-Hop\_2480-PASS

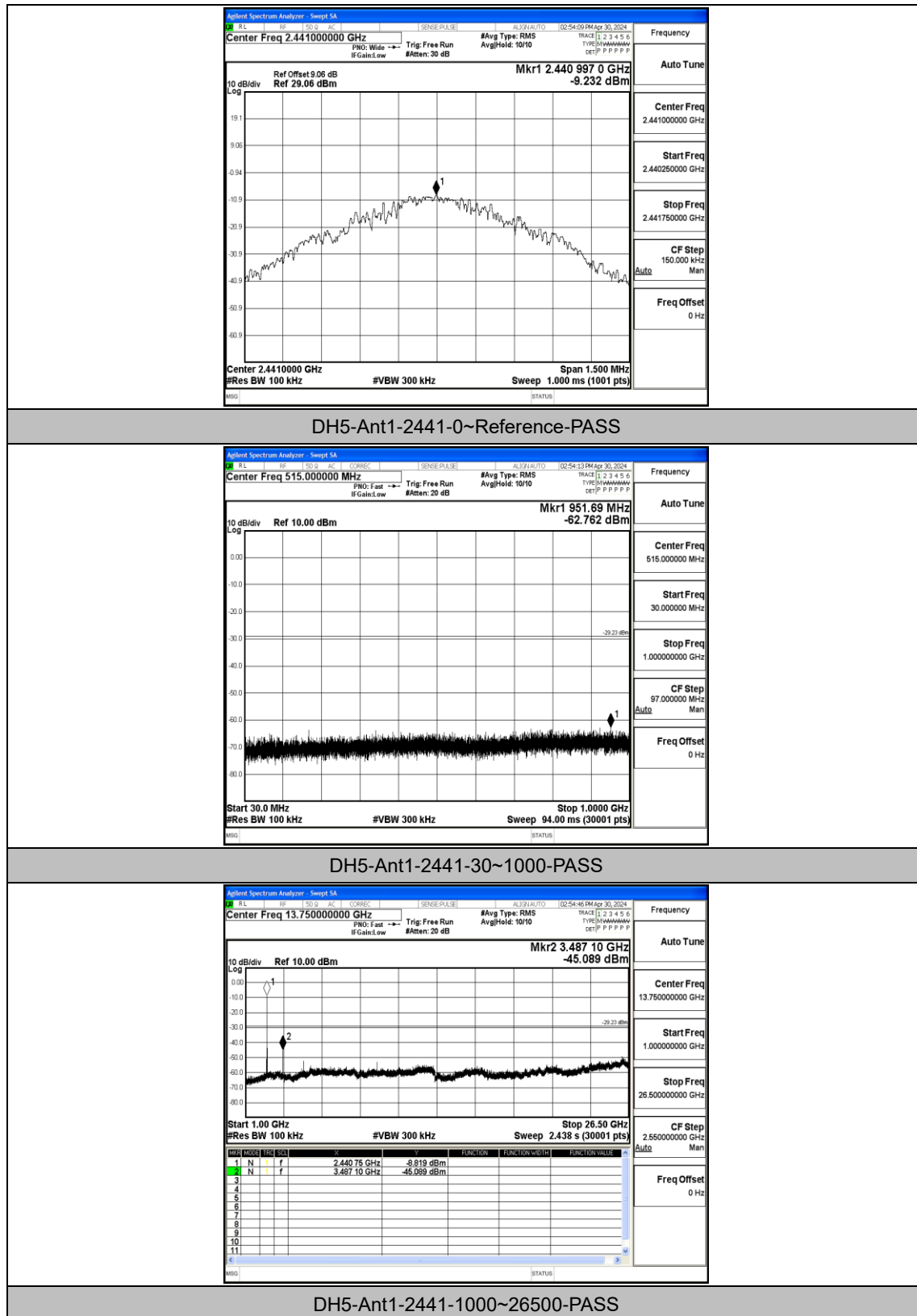
## Appendix H: Conducted Spurious Emission

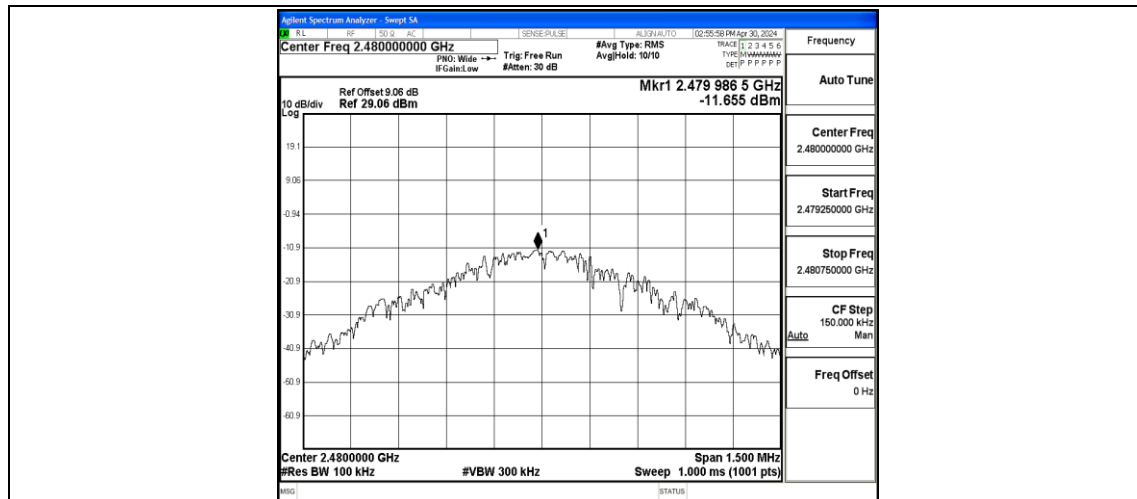
### Test Result

| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | 2402           | 0~Reference     | -7.94          | -7.94        | ---         | PASS    |
| DH5      | Ant1    | 2402           | 30~1000         | -7.94          | -61.58       | ≤-27.94     | PASS    |
| DH5      | Ant1    | 2402           | 1000~26500      | -7.94          | -48.33       | ≤-27.94     | PASS    |
| DH5      | Ant1    | 2441           | 0~Reference     | -9.23          | -9.23        | ---         | PASS    |
| DH5      | Ant1    | 2441           | 30~1000         | -9.23          | -62.76       | ≤-29.23     | PASS    |
| DH5      | Ant1    | 2441           | 1000~26500      | -9.23          | -45.09       | ≤-29.23     | PASS    |
| DH5      | Ant1    | 2480           | 0~Reference     | -11.66         | -11.66       | ---         | PASS    |
| DH5      | Ant1    | 2480           | 30~1000         | -11.66         | -58.48       | ≤-31.66     | PASS    |
| DH5      | Ant1    | 2480           | 1000~26500      | -11.66         | -50.05       | ≤-31.66     | PASS    |
| 2DH5     | Ant1    | 2402           | 0~Reference     | -9.03          | -9.03        | ---         | PASS    |
| 2DH5     | Ant1    | 2402           | 30~1000         | -9.03          | -57.87       | ≤-29.03     | PASS    |
| 2DH5     | Ant1    | 2402           | 1000~26500      | -9.03          | -49.5        | ≤-29.03     | PASS    |
| 2DH5     | Ant1    | 2441           | 0~Reference     | -9.95          | -9.95        | ---         | PASS    |
| 2DH5     | Ant1    | 2441           | 30~1000         | -9.95          | -62.55       | ≤-29.95     | PASS    |
| 2DH5     | Ant1    | 2441           | 1000~26500      | -9.95          | -49.79       | ≤-29.95     | PASS    |
| 2DH5     | Ant1    | 2480           | 0~Reference     | -11.10         | -11.10       | ---         | PASS    |
| 2DH5     | Ant1    | 2480           | 30~1000         | -11.10         | -60.56       | ≤-31.1      | PASS    |
| 2DH5     | Ant1    | 2480           | 1000~26500      | -11.10         | -50.27       | ≤-31.1      | PASS    |

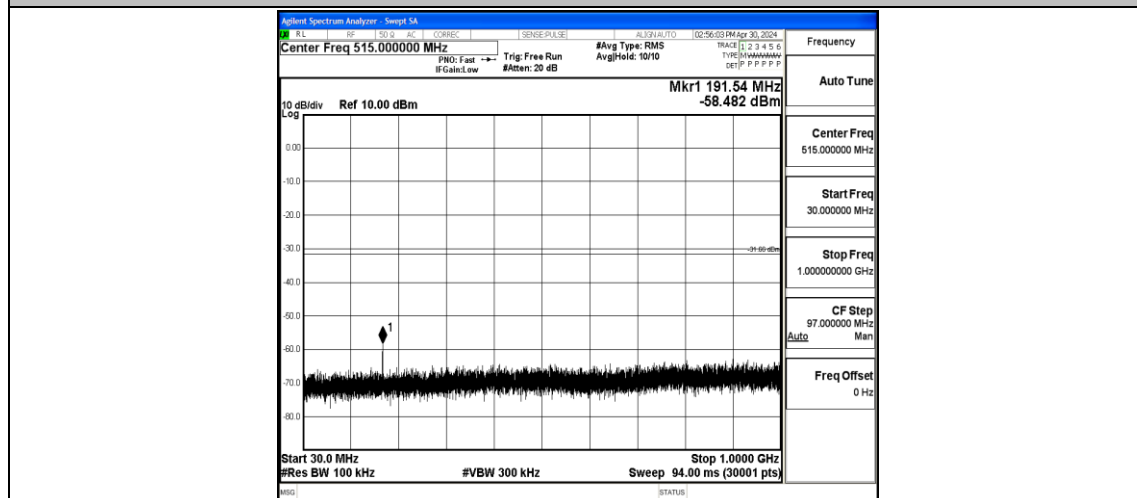
## Test Graphs



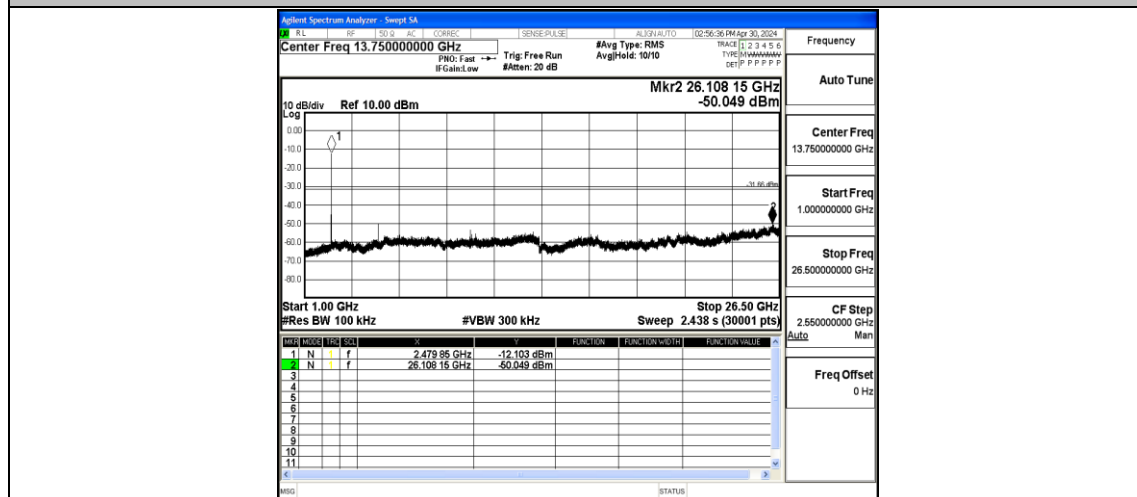




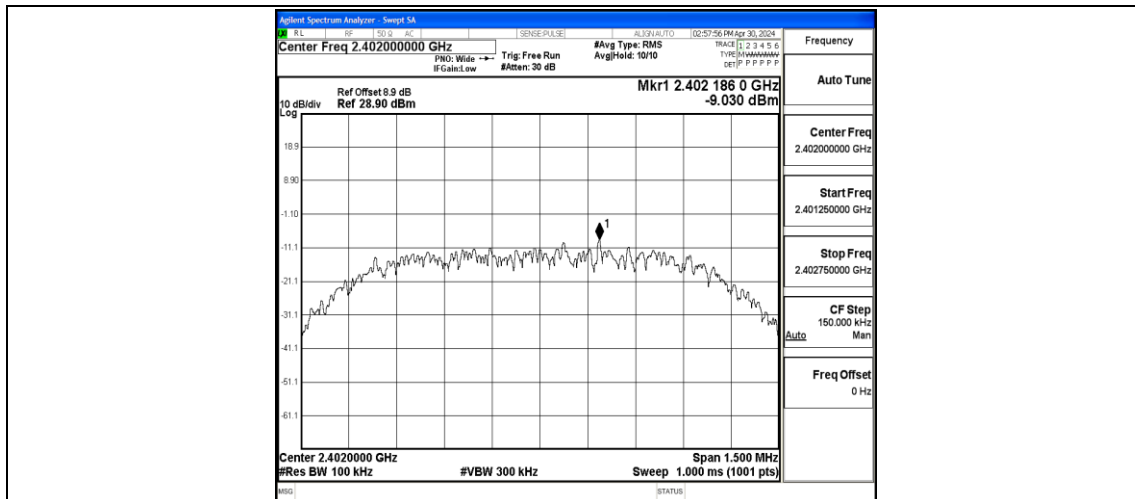
DH5-Ant1-2480-0~Reference-PASS



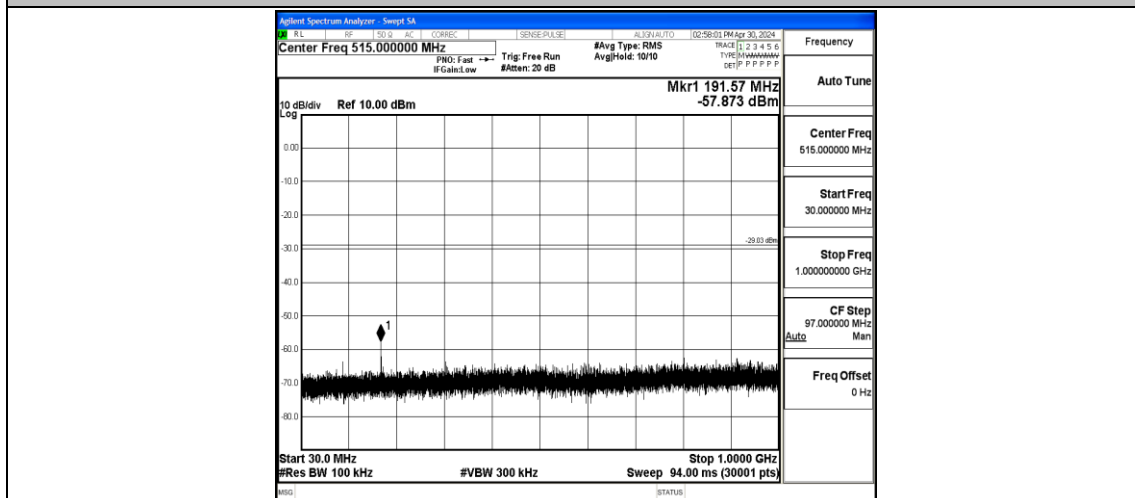
DH5-Ant1-2480-30~1000-PASS



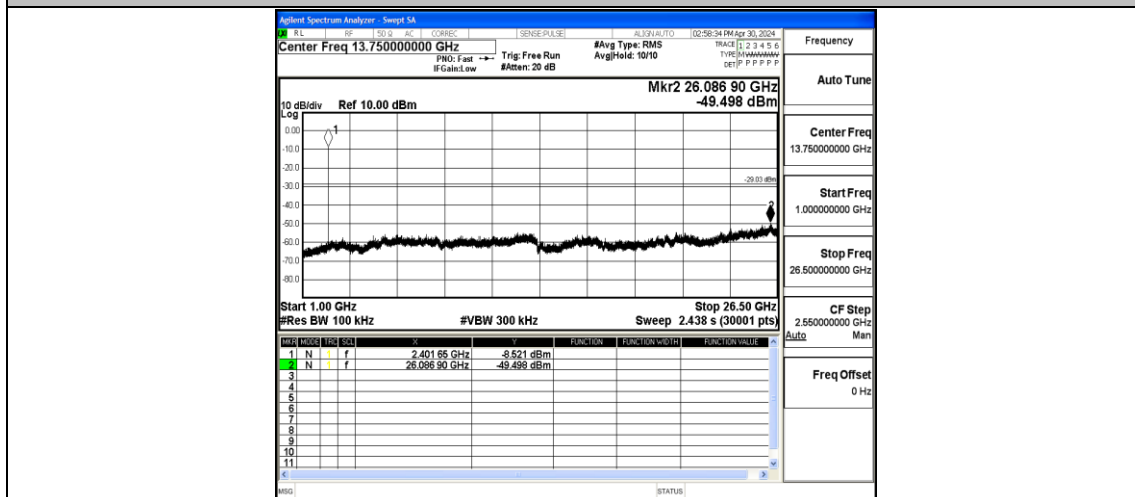
DH5-Ant1-2480-1000~26500-PASS



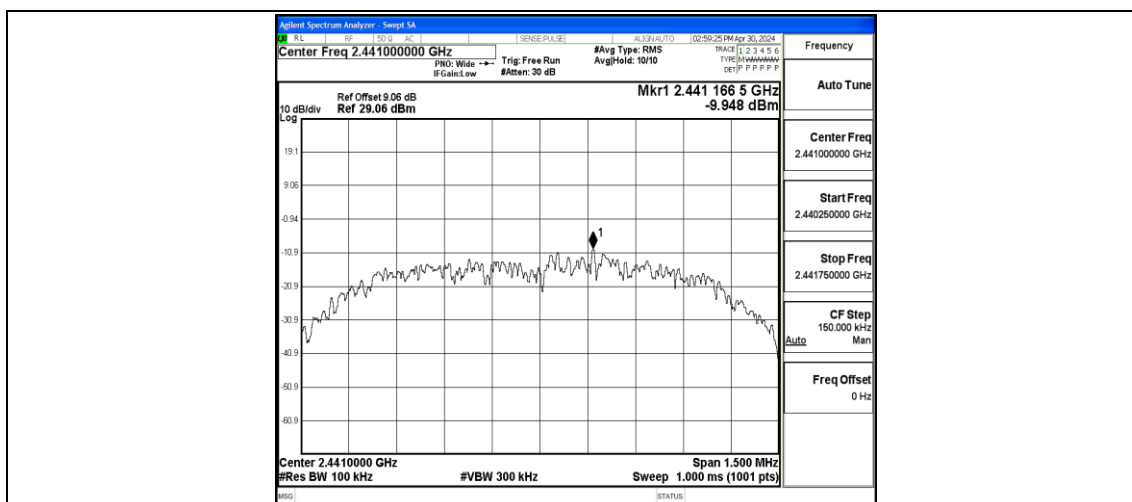
2DH5-Ant1-2402-0~Reference-PASS



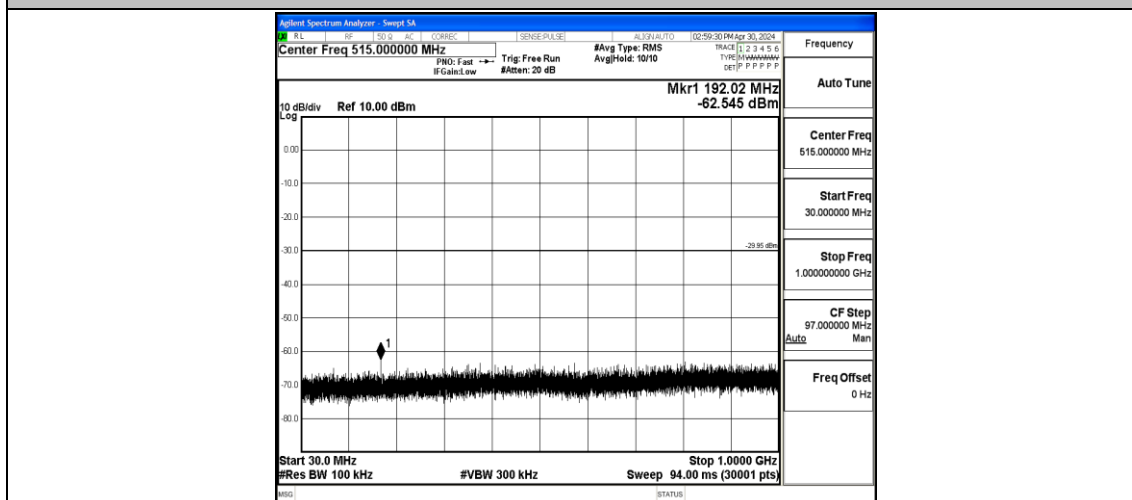
2DH5-Ant1-2402-30~1000-PASS



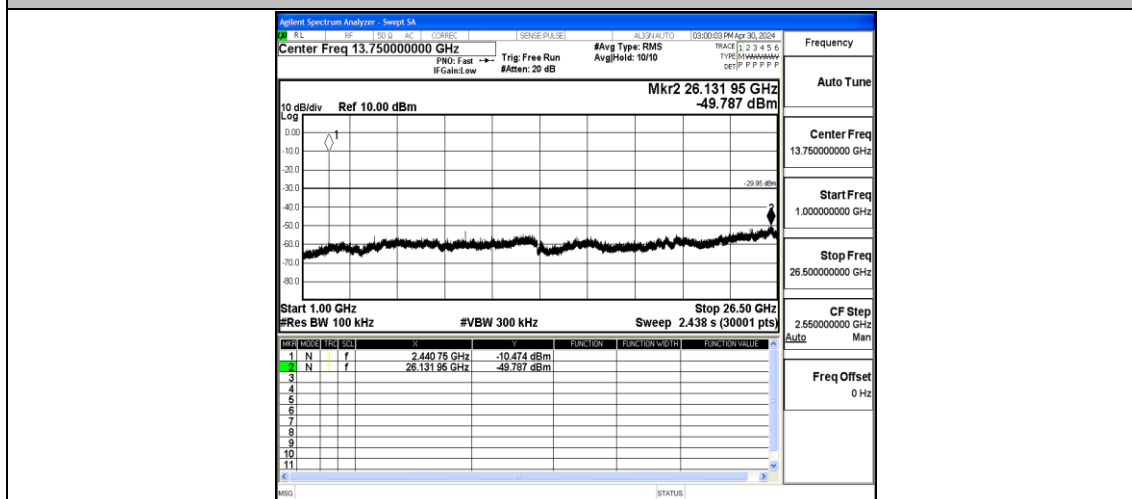
2DH5-Ant1-2402-1000~26500-PASS



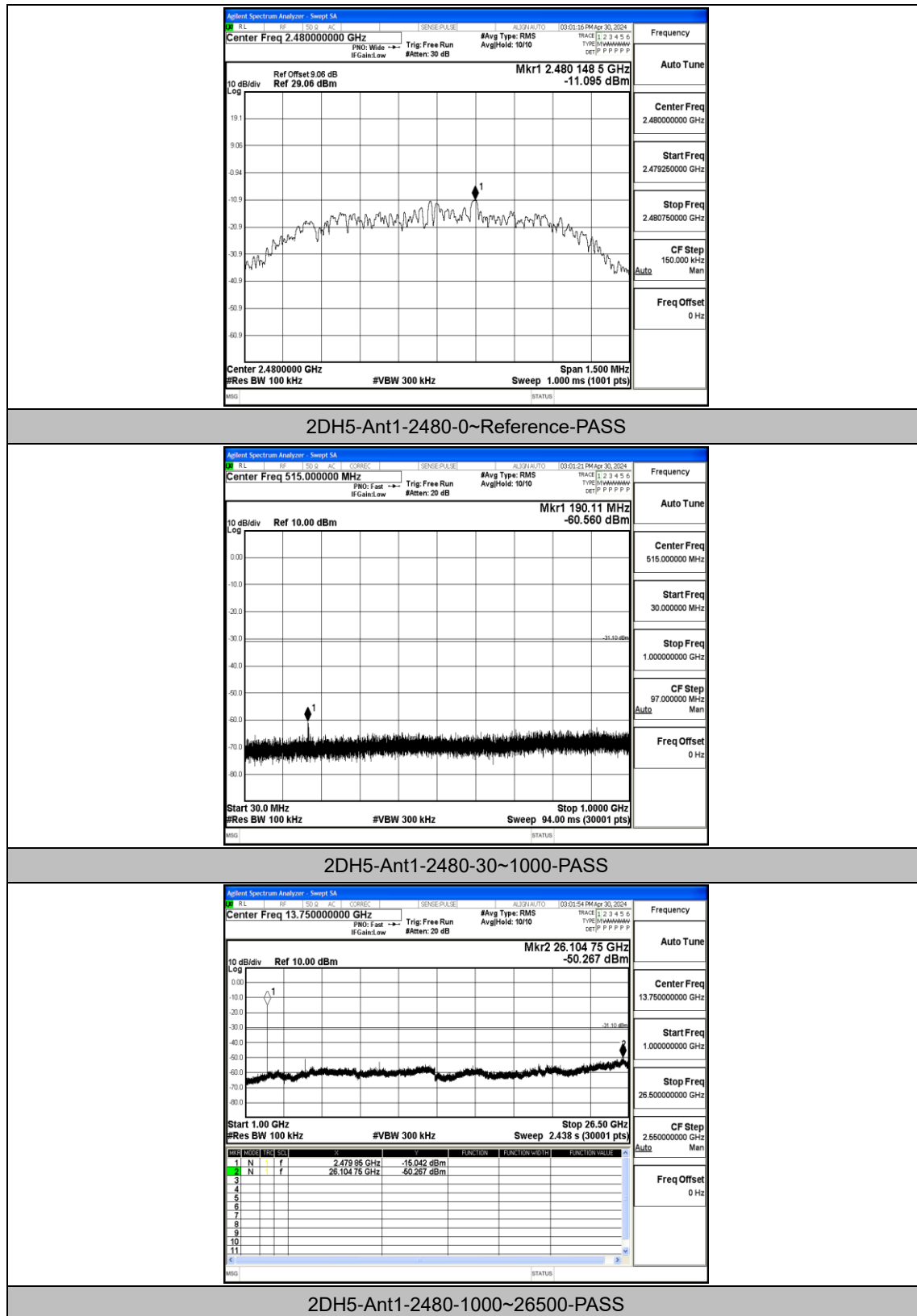
## 2DH5-Ant1-2441-0~Reference-PASS



## 2DH5-Ant1-2441-30~1000-PASS



## 2DH5-Ant1-2441-1000~26500-PASS

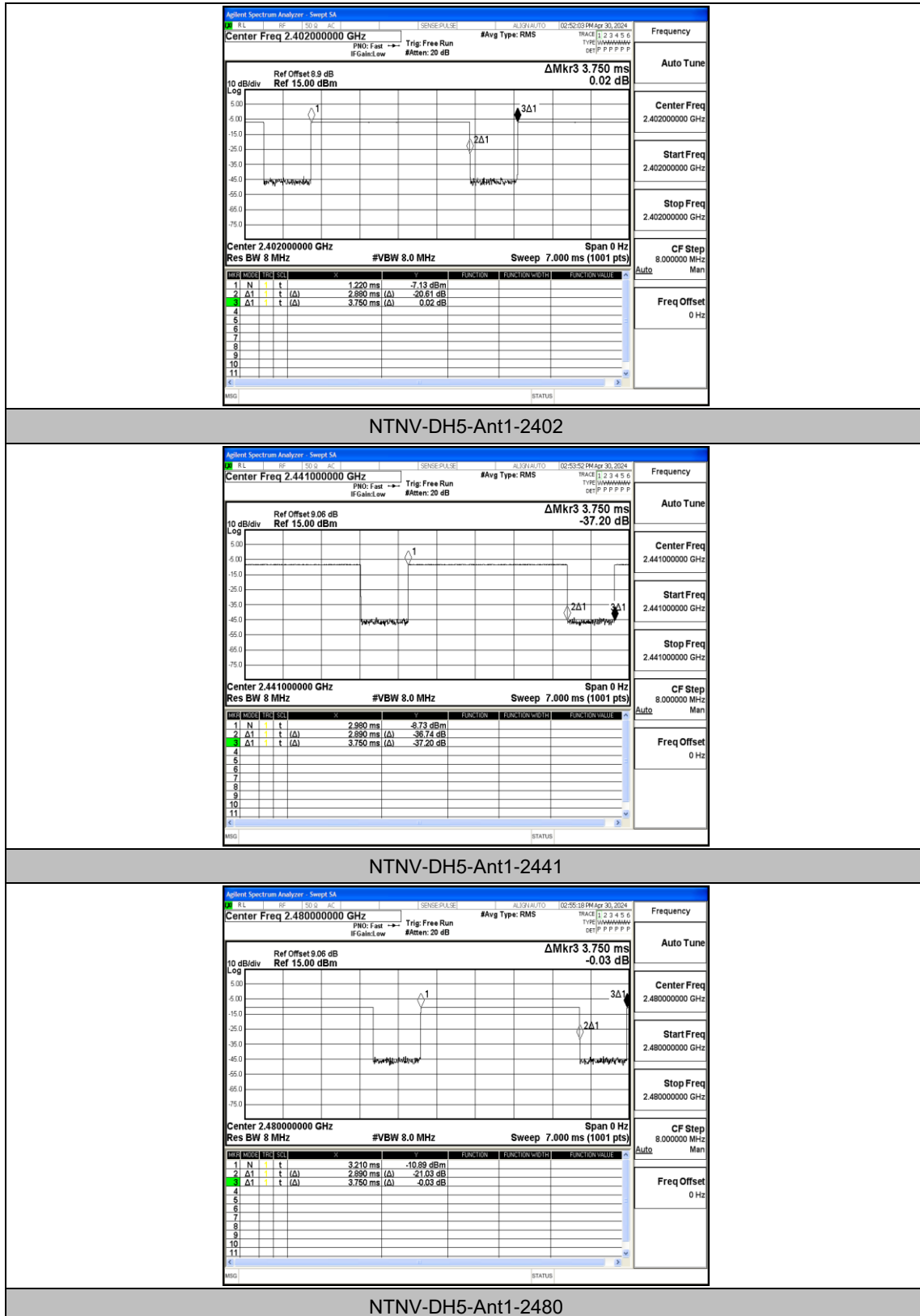


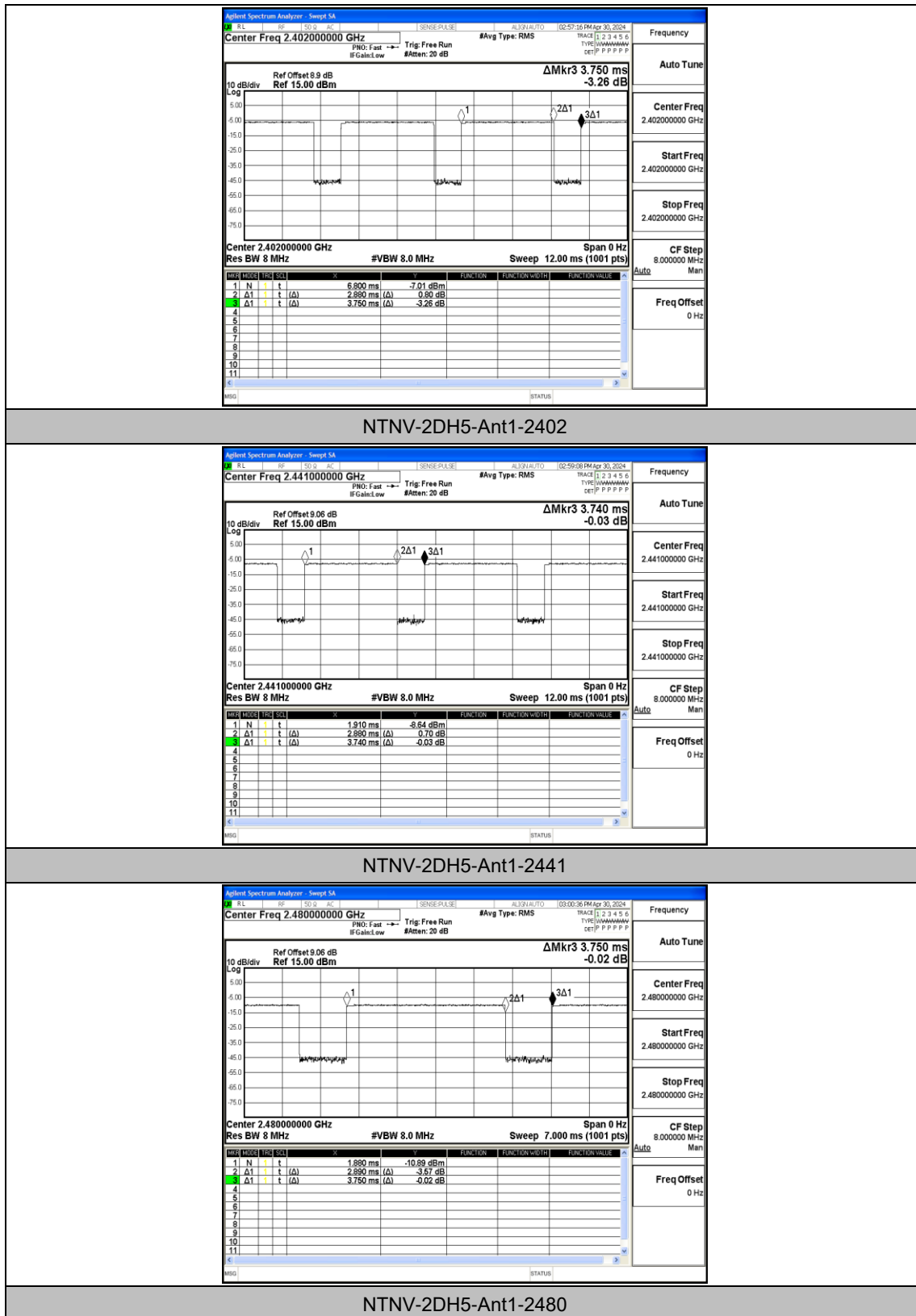
## Appendix I: Duty Cycle

### Test Result

| TestMode | Antenna | Frequency[MHz] | ON Time[ms] | Period[ms] | Duty Cycle[%] | Duty Cycle Factor[dB] |
|----------|---------|----------------|-------------|------------|---------------|-----------------------|
| DH5      | Ant1    | 2402           | 2.88        | 3.75       | 76.80         | 1.15                  |
| DH5      | Ant1    | 2441           | 2.89        | 3.75       | 77.07         | 1.13                  |
| DH5      | Ant1    | 2480           | 2.89        | 3.75       | 77.07         | 1.13                  |
| 2DH5     | Ant1    | 2402           | 2.88        | 3.75       | 76.80         | 1.15                  |
| 2DH5     | Ant1    | 2441           | 2.88        | 3.74       | 77.01         | 1.13                  |
| 2DH5     | Ant1    | 2480           | 2.89        | 3.75       | 77.07         | 1.13                  |

## Test Graphs





## Appendix J: Emissions in Restricted Bands

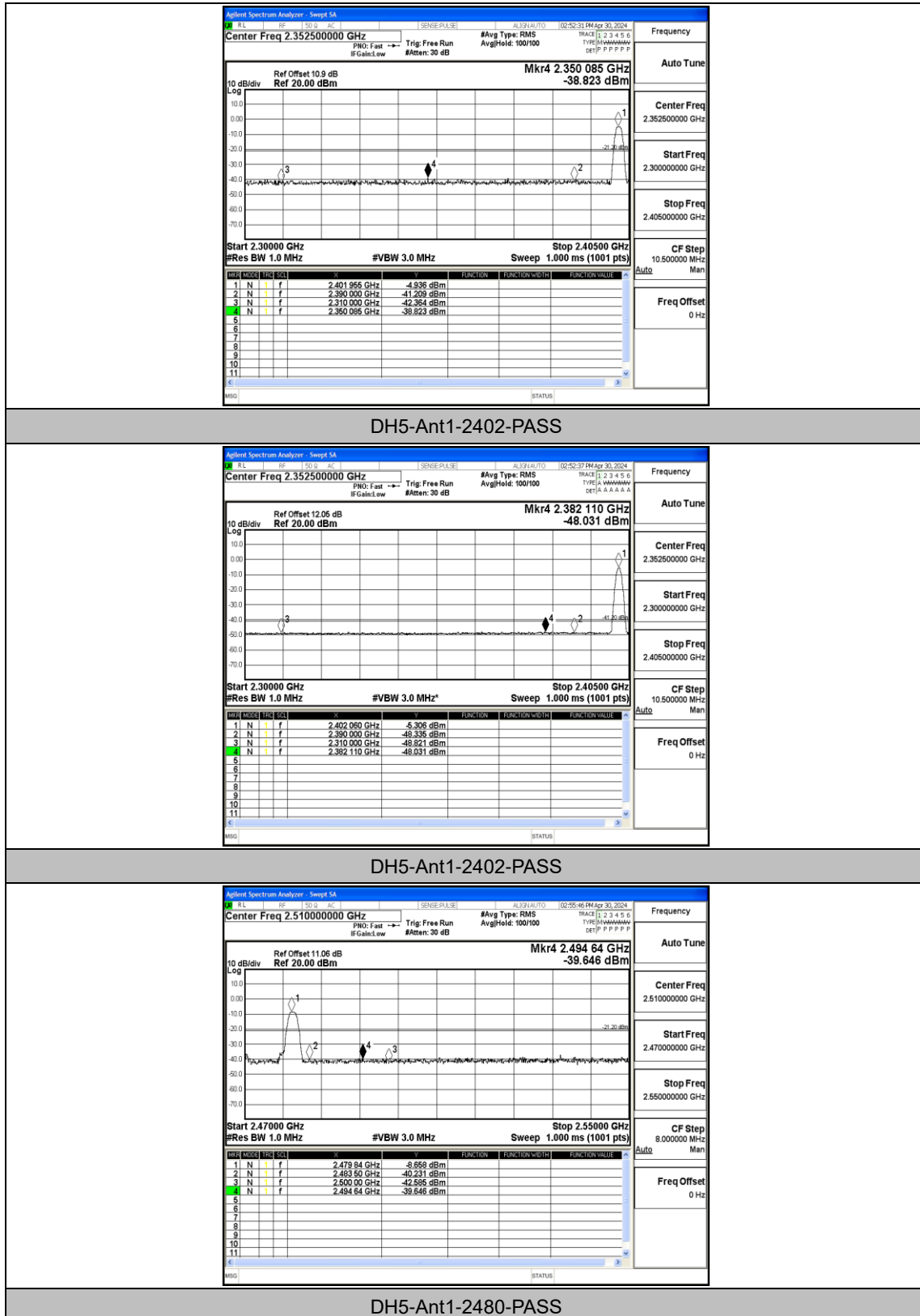
### Test Result

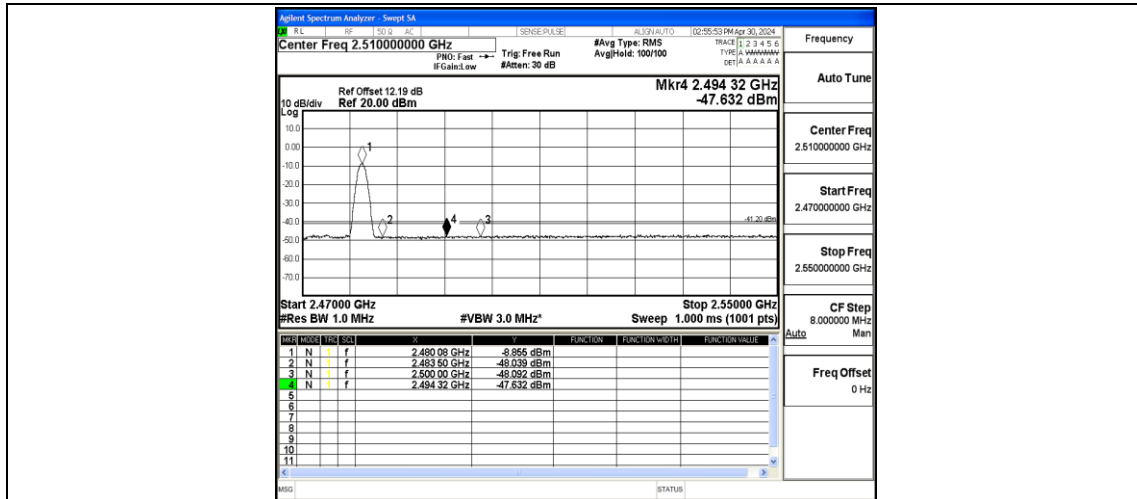
| TestMode | Antenna | ChName | Frequency [MHz] | Detector | Freq [MHz] | Result [dBm] | Limit [dBm] | Result [dBuV/m] | Limit [dBuV/m] | Verdict |
|----------|---------|--------|-----------------|----------|------------|--------------|-------------|-----------------|----------------|---------|
| DH5      | Ant1    | Low    | 2402            | Peak     | 2390.000   | -41.21       | ≤-21.20     | 53.99           | ≤74            | PASS    |
| DH5      | Ant1    | Low    | 2402            | Peak     | 2310.000   | -42.36       | ≤-21.20     | 52.84           | ≤74            | PASS    |
| DH5      | Ant1    | Low    | 2402            | Peak     | 2350.085   | -38.82       | ≤-21.20     | 56.38           | ≤74            | PASS    |
| DH5      | Ant1    | Low    | 2402            | AV       | 2390.000   | -48.34       | ≤-41.20     | 46.86           | ≤54            | PASS    |
| DH5      | Ant1    | Low    | 2402            | AV       | 2310.000   | -48.82       | ≤-41.20     | 46.38           | ≤54            | PASS    |
| DH5      | Ant1    | Low    | 2402            | AV       | 2382.110   | -48.03       | ≤-41.20     | 47.17           | ≤54            | PASS    |
| DH5      | Ant1    | High   | 2480            | Peak     | 2483.500   | -40.23       | ≤-21.20     | 54.97           | ≤74            | PASS    |
| DH5      | Ant1    | High   | 2480            | Peak     | 2500.000   | -42.59       | ≤-21.20     | 52.61           | ≤74            | PASS    |
| DH5      | Ant1    | High   | 2480            | Peak     | 2494.640   | -39.65       | ≤-21.20     | 55.55           | ≤74            | PASS    |
| DH5      | Ant1    | High   | 2480            | AV       | 2483.500   | -48.04       | ≤-41.20     | 47.16           | ≤54            | PASS    |
| DH5      | Ant1    | High   | 2480            | AV       | 2500.000   | -48.09       | ≤-41.20     | 47.11           | ≤54            | PASS    |
| DH5      | Ant1    | High   | 2480            | AV       | 2494.320   | -47.63       | ≤-41.20     | 47.57           | ≤54            | PASS    |
| 2DH5     | Ant1    | Low    | 2402            | Peak     | 2390.000   | -41.36       | ≤-21.20     | 53.84           | ≤74            | PASS    |
| 2DH5     | Ant1    | Low    | 2402            | Peak     | 2310.000   | -43.28       | ≤-21.20     | 51.92           | ≤74            | PASS    |
| 2DH5     | Ant1    | Low    | 2402            | Peak     | 2314.070   | -38.78       | ≤-21.20     | 56.42           | ≤74            | PASS    |
| 2DH5     | Ant1    | Low    | 2402            | AV       | 2390.000   | -48.88       | ≤-41.20     | 46.32           | ≤54            | PASS    |
| 2DH5     | Ant1    | Low    | 2402            | AV       | 2310.000   | -49.64       | ≤-41.20     | 45.56           | ≤54            | PASS    |
| 2DH5     | Ant1    | Low    | 2402            | AV       | 2389.565   | -48.08       | ≤-41.20     | 47.12           | ≤54            | PASS    |
| 2DH5     | Ant1    | High   | 2480            | Peak     | 2483.500   | -40.98       | ≤-21.20     | 54.22           | ≤74            | PASS    |
| 2DH5     | Ant1    | High   | 2480            | Peak     | 2500.000   | -40.94       | ≤-21.20     | 54.26           | ≤74            | PASS    |
| 2DH5     | Ant1    | High   | 2480            | Peak     | 2499.280   | -38.28       | ≤-21.20     | 56.92           | ≤74            | PASS    |
| 2DH5     | Ant1    | High   | 2480            | AV       | 2483.500   | -48.53       | ≤-41.20     | 46.67           | ≤54            | PASS    |
| 2DH5     | Ant1    | High   | 2480            | AV       | 2500.000   | -48.79       | ≤-41.20     | 46.41           | ≤54            | PASS    |
| 2DH5     | Ant1    | High   | 2480            | AV       | 2498.320   | -47.55       | ≤-41.20     | 47.65           | ≤54            | PASS    |

Note:

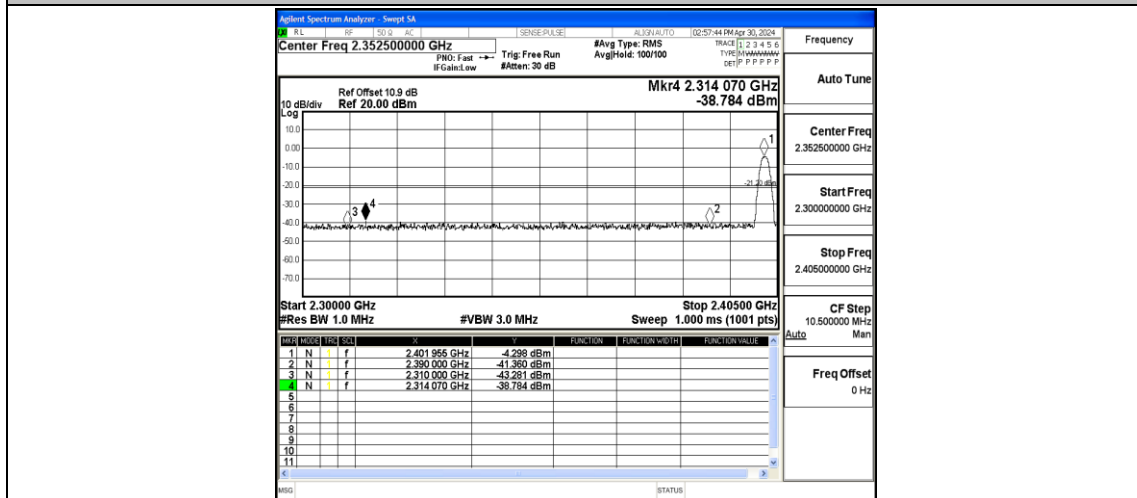
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

## Test Graphs

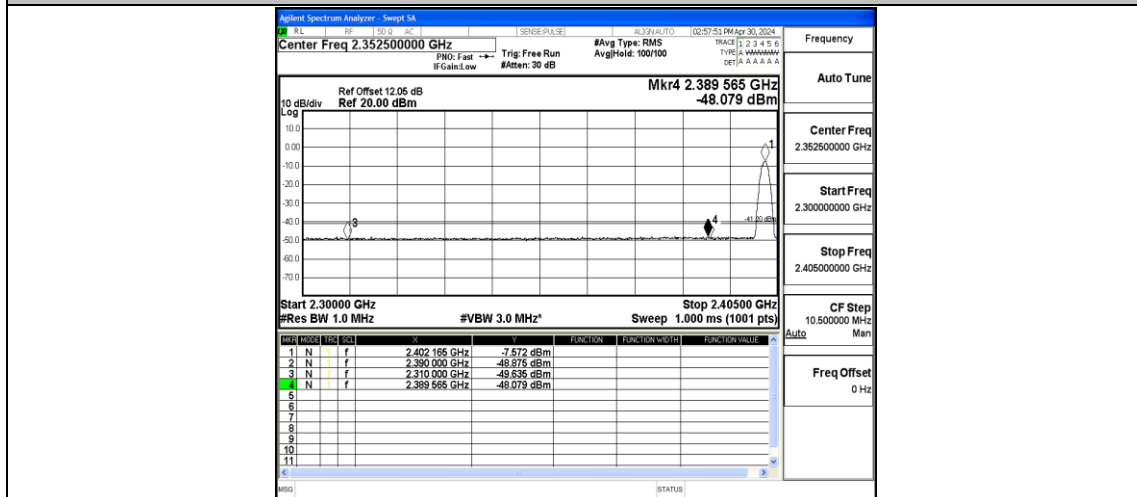




## DH5-Ant1-2480-PASS



## 2DH5-Ant1-2402-PASS



## 2DH5-Ant1-2402-PASS

