

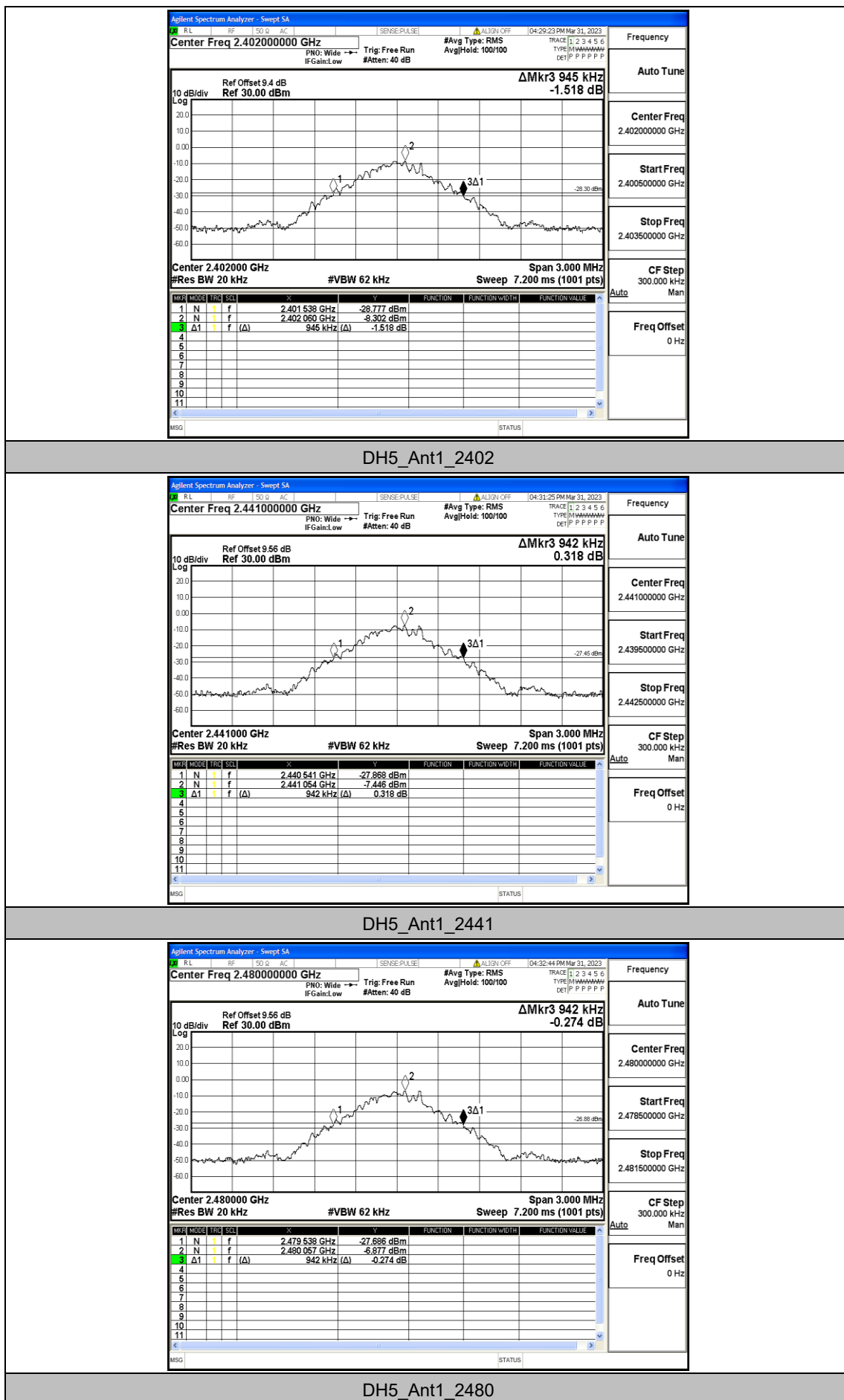
**Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)****Product Name: True Wireless Earbuds****Trade Mark: Tranya****Test Model: T6****FCC ID: 2A4AX-T6****Environmental Conditions**

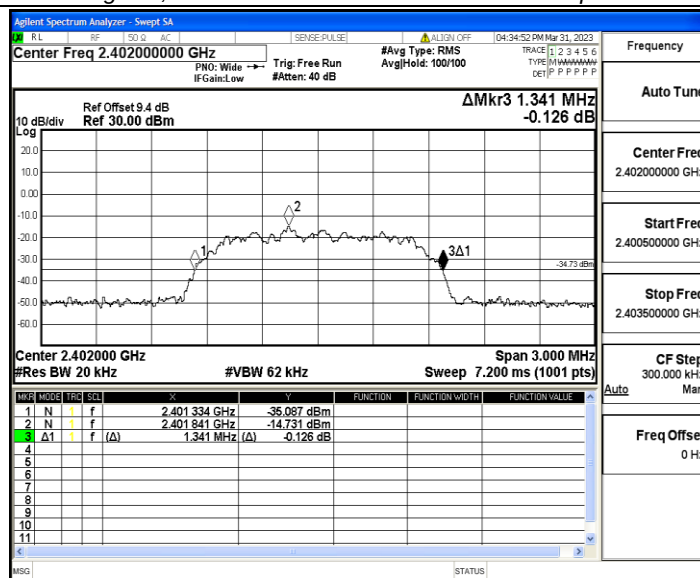
|                    |           |
|--------------------|-----------|
| Temperature:       | 25.5°C    |
| Relative Humidity: | 55%       |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Anna Hu   |
| Supervised by:     | Hugo Chen |
| NOTE               | N/A       |

**Appendix A: 20dB Emission Bandwidth****Test Result**

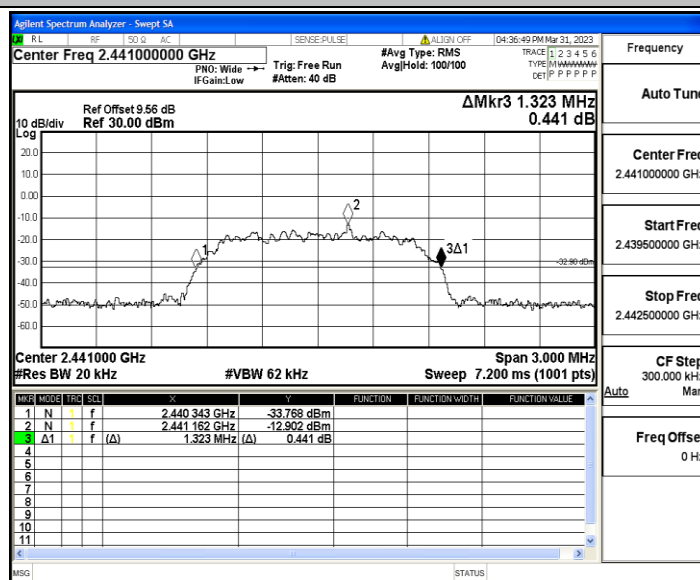
| TestMode | Antenna | Channel | 20db<br>EBW[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|---------|------------------|----------|----------|------------|---------|
| DH5      | Ant1    | 2402    | 0.945            | 2401.538 | 2402.483 | ---        | ---     |
|          |         | 2441    | 0.942            | 2440.541 | 2441.483 | ---        | ---     |
|          |         | 2480    | 0.942            | 2479.538 | 2480.480 | ---        | ---     |
| 2DH5     | Ant1    | 2402    | 1.341            | 2401.334 | 2402.675 | ---        | ---     |
|          |         | 2441    | 1.323            | 2440.343 | 2441.666 | ---        | ---     |
|          |         | 2480    | 1.338            | 2479.334 | 2480.672 | ---        | ---     |
| 3DH5     | Ant1    | 2402    | 1.326            | 2401.337 | 2402.663 | ---        | ---     |
|          |         | 2441    | 1.299            | 2440.349 | 2441.648 | ---        | ---     |
|          |         | 2480    | 1.293            | 2479.358 | 2480.651 | ---        | ---     |

## Test Graphs

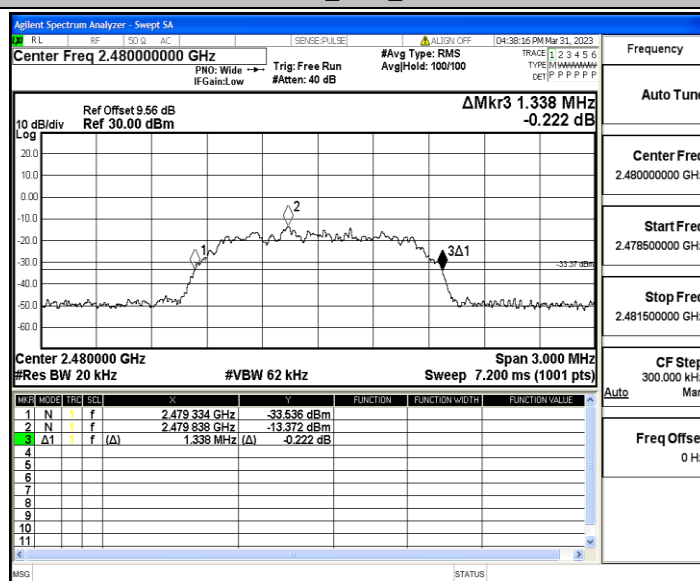




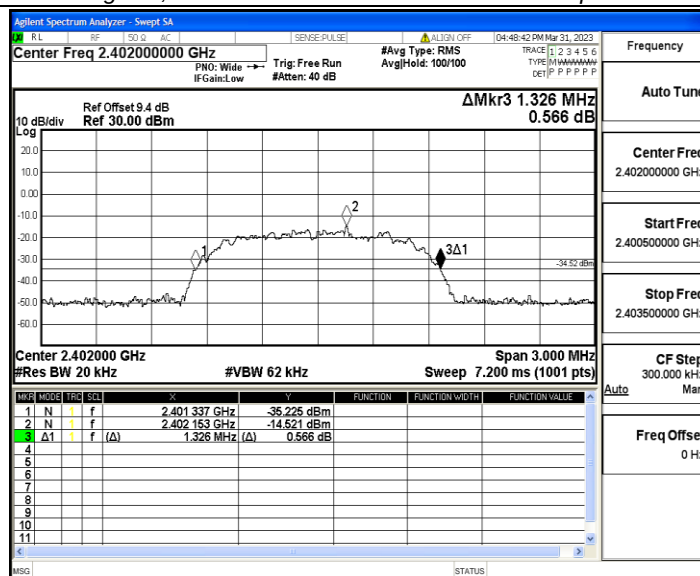
2DH5\_Ant1\_2402



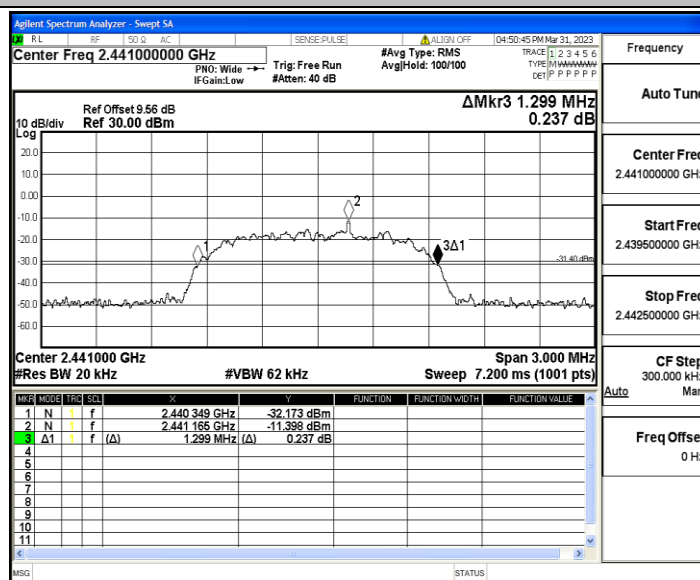
2DH5\_Ant1\_2441



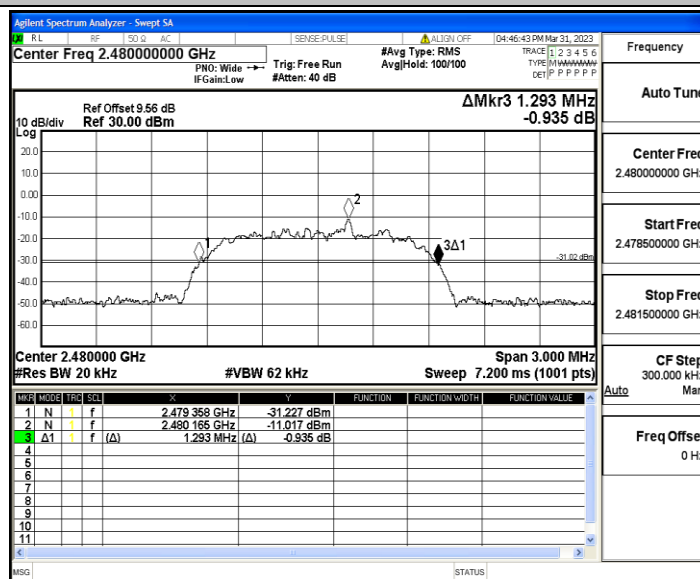
2DH5\_Ant1\_2480



3DH5\_Ant1\_2402



3DH5\_Ant1\_2441



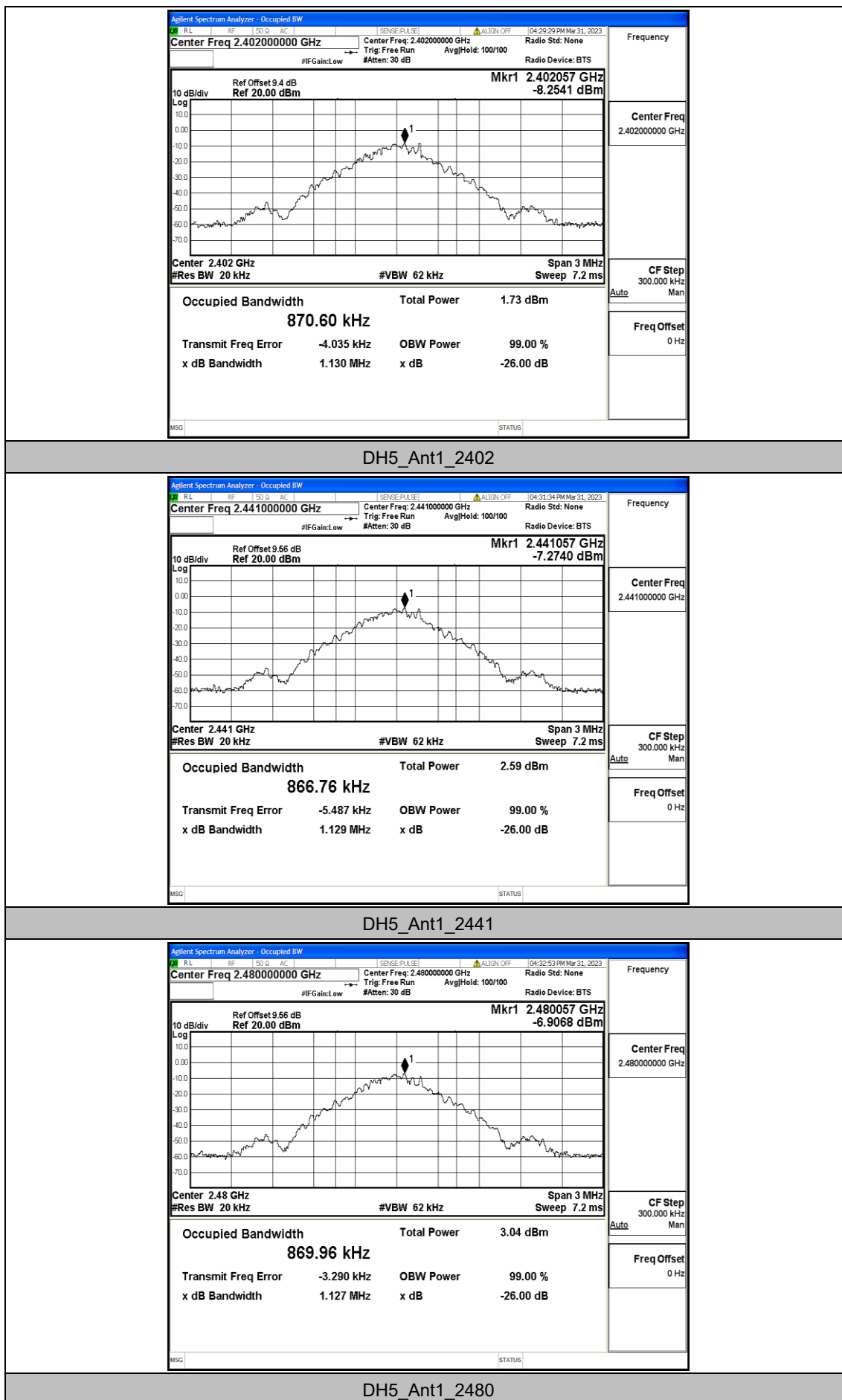
3DH5\_Ant1\_2480

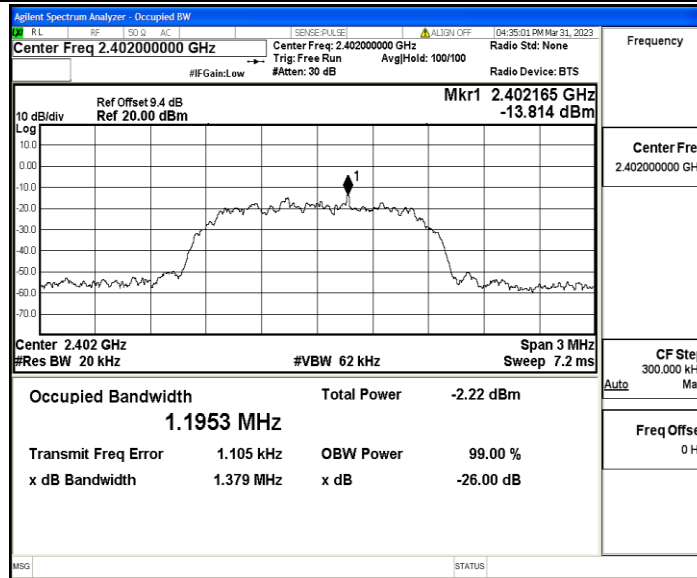
## Appendix B: Occupied Channel Bandwidth

### Test Result

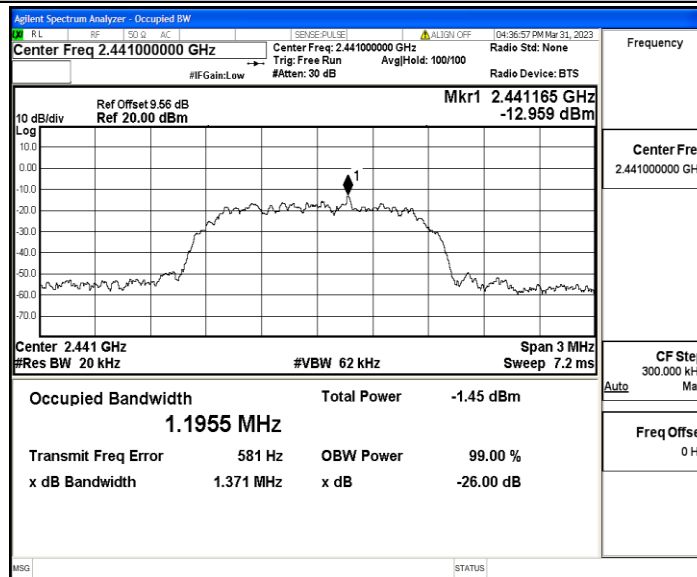
| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|---------|-----------|-----------|-----------|------------|---------|
| DH5      | Ant1    | 2402    | 0.87060   | 2401.5607 | 2402.4313 | ---        | ---     |
|          |         | 2441    | 0.86676   | 2440.5611 | 2441.4279 | ---        | ---     |
|          |         | 2480    | 0.86996   | 2479.5617 | 2480.4317 | ---        | ---     |
| 2DH5     | Ant1    | 2402    | 1.1953    | 2401.4035 | 2402.5988 | ---        | ---     |
|          |         | 2441    | 1.1955    | 2440.4028 | 2441.5983 | ---        | ---     |
|          |         | 2480    | 1.1944    | 2479.4041 | 2480.5985 | ---        | ---     |
| 3DH5     | Ant1    | 2402    | 1.1974    | 2401.3960 | 2402.5934 | ---        | ---     |
|          |         | 2441    | 1.1959    | 2440.3983 | 2441.5942 | ---        | ---     |
|          |         | 2480    | 1.1986    | 2479.3954 | 2480.5940 | ---        | ---     |

## Test Graphs

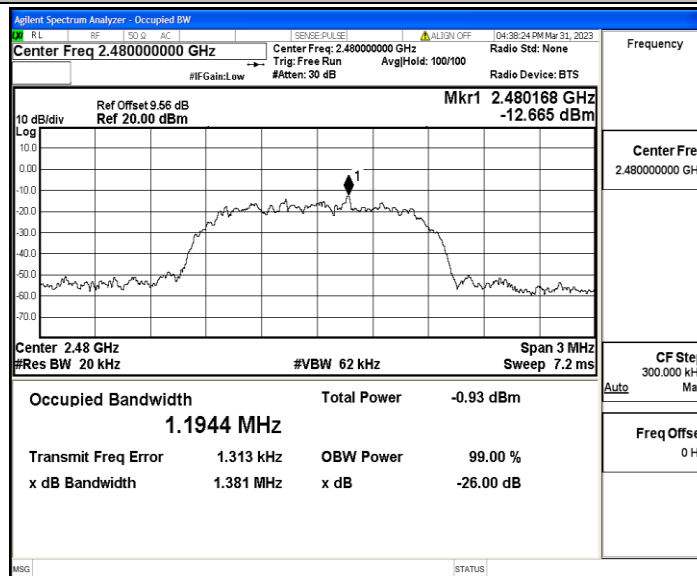




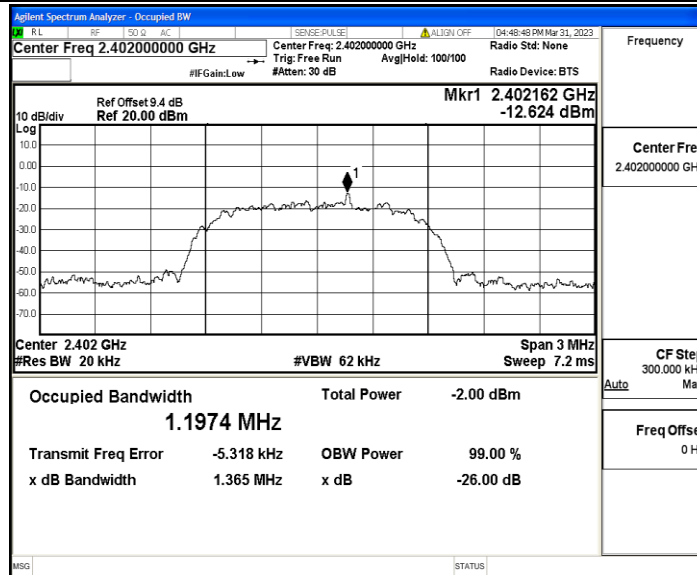
2DH5\_Ant1\_2402



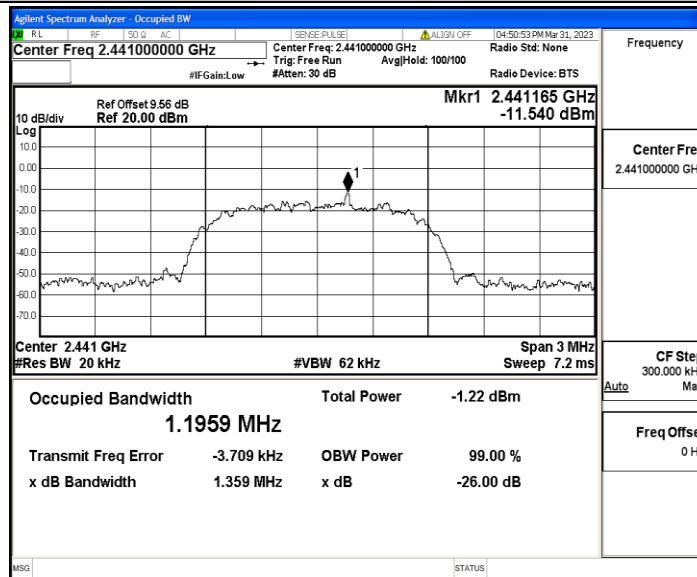
2DH5\_Ant1\_2441



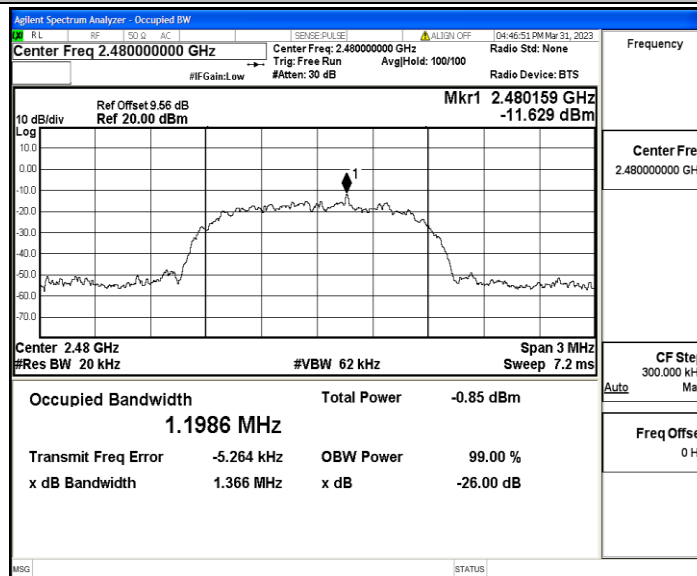
2DH5\_Ant1\_2480



3DH5\_Ant1\_2402



3DH5\_Ant1\_2441



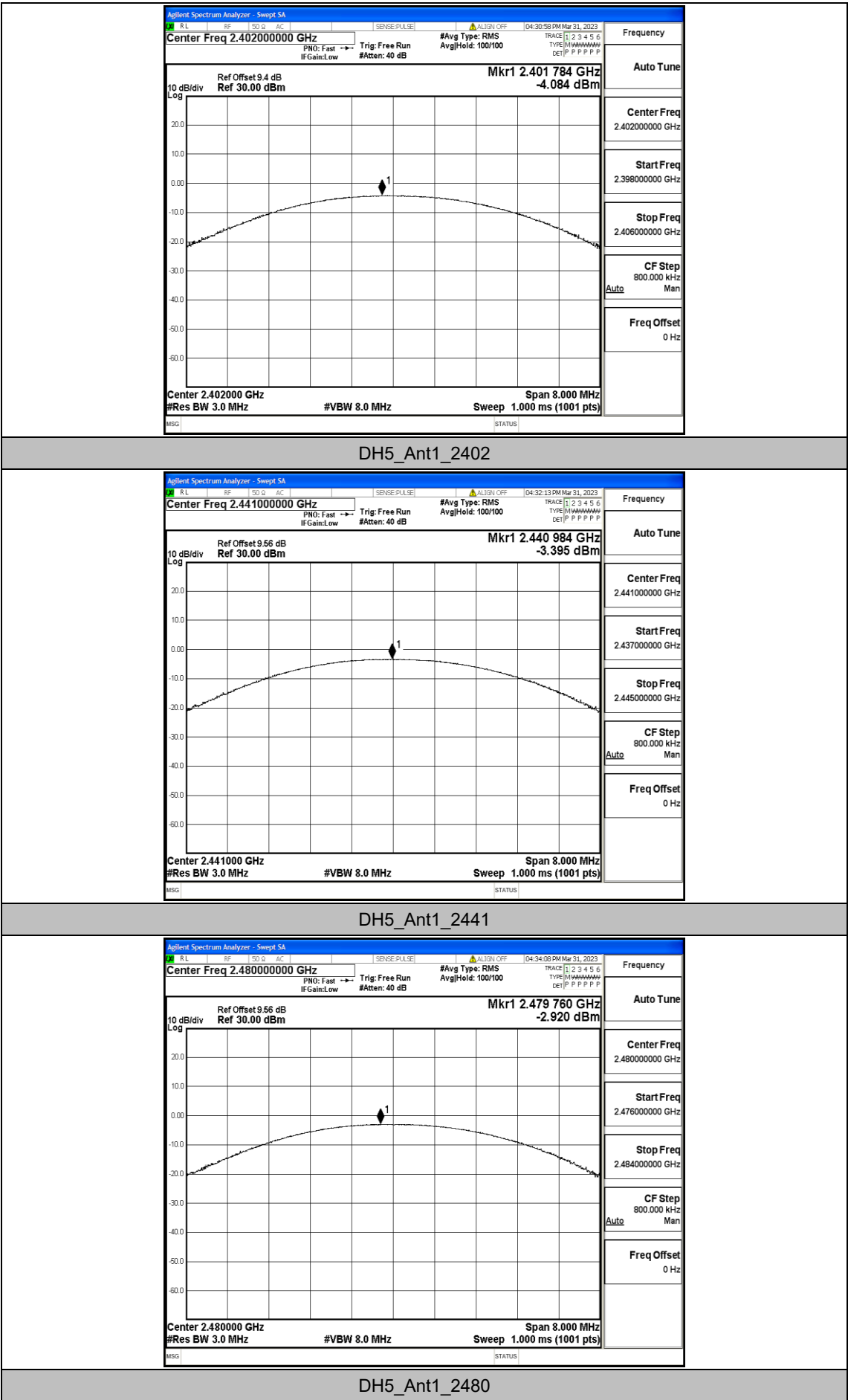
3DH5\_Ant1\_2480

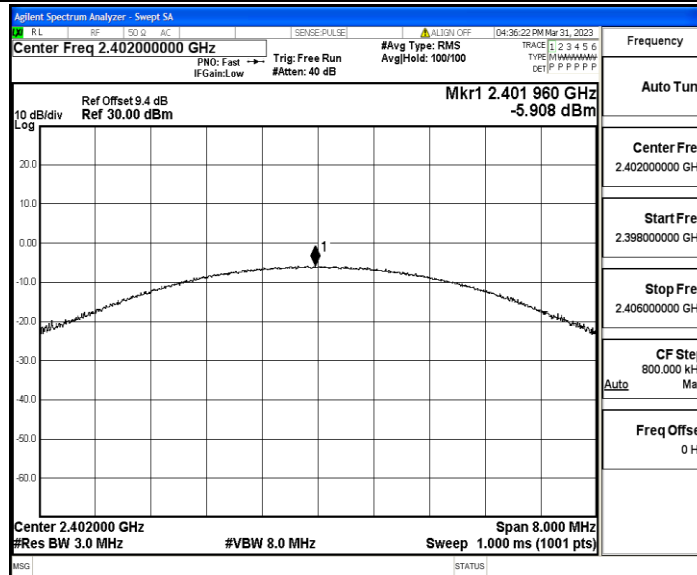
## Appendix C: Maximum Peak conducted output power

### Test Result

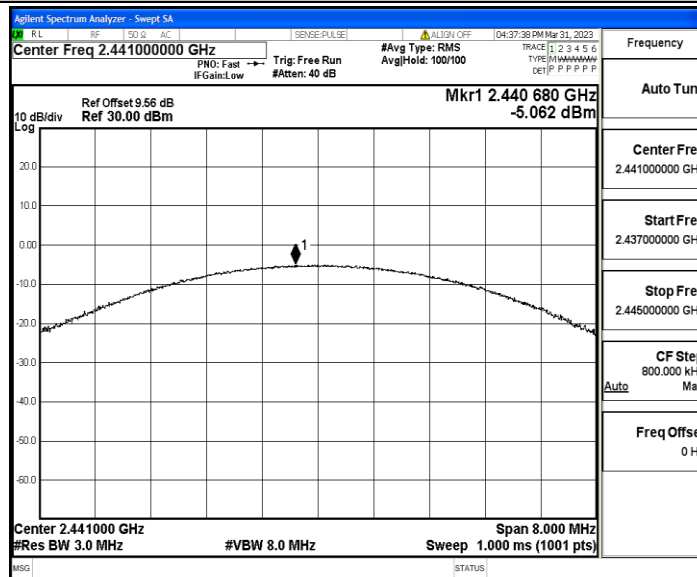
| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| DH5      | Ant1    | 2402    | -4.08       | ≤30        | PASS    |
|          |         | 2441    | -3.4        | ≤30        | PASS    |
|          |         | 2480    | -2.92       | ≤30        | PASS    |
| 2DH5     | Ant1    | 2402    | -5.91       | ≤20.97     | PASS    |
|          |         | 2441    | -5.06       | ≤20.97     | PASS    |
|          |         | 2480    | -4.6        | ≤20.97     | PASS    |
| 3DH5     | Ant1    | 2402    | -5.18       | ≤20.97     | PASS    |
|          |         | 2441    | -4.51       | ≤20.97     | PASS    |
|          |         | 2480    | -4.26       | ≤20.97     | PASS    |

Test Graphs

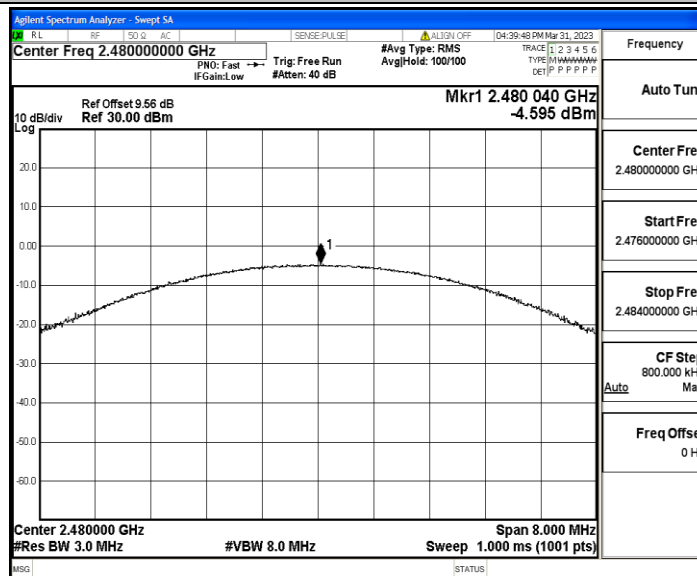




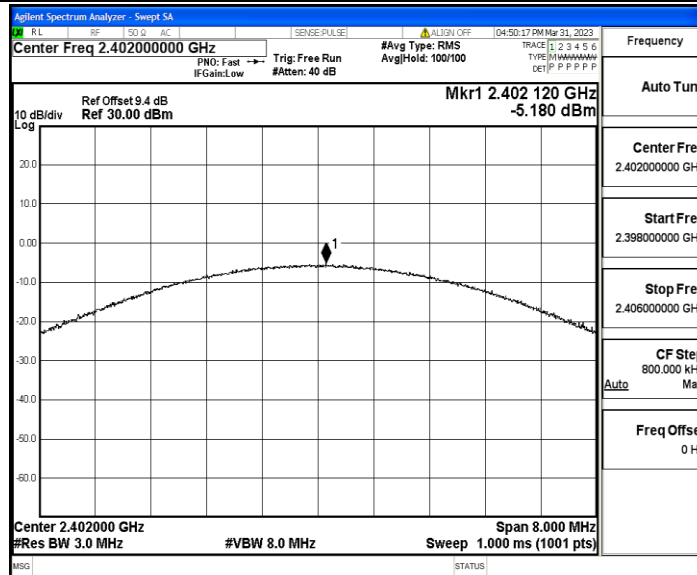
2DH5\_Ant1\_2402



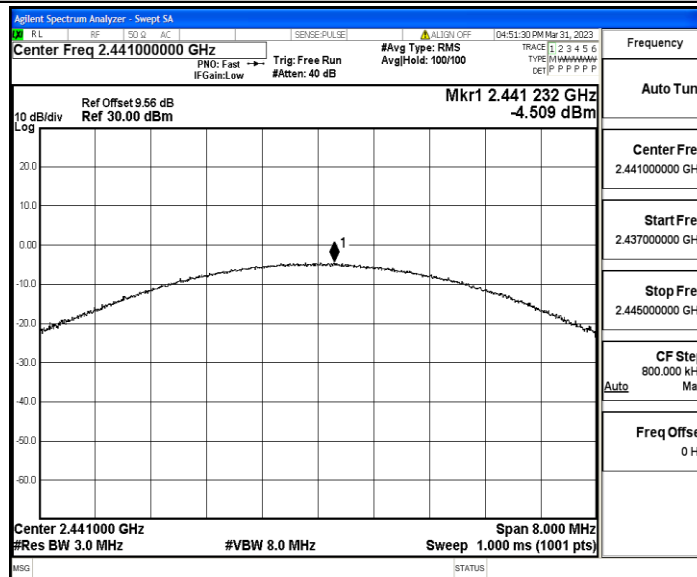
2DH5\_Ant1\_2441



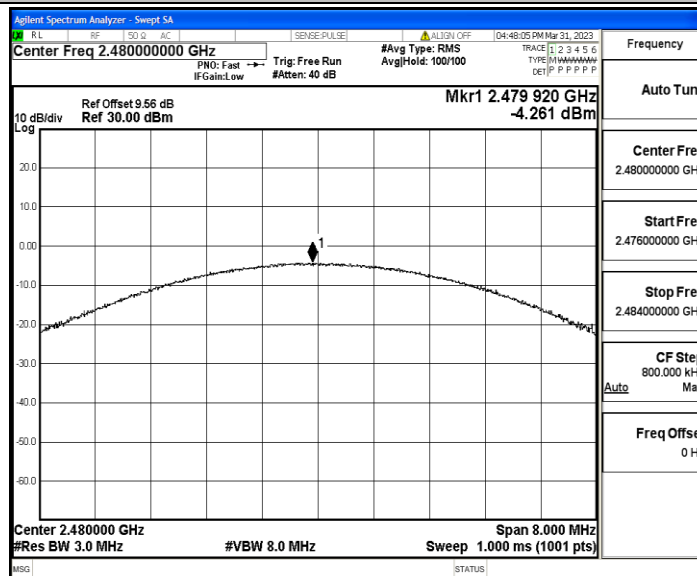
2DH5\_Ant1\_2480



3DH5\_Ant1\_2402



3DH5\_Ant1\_2441



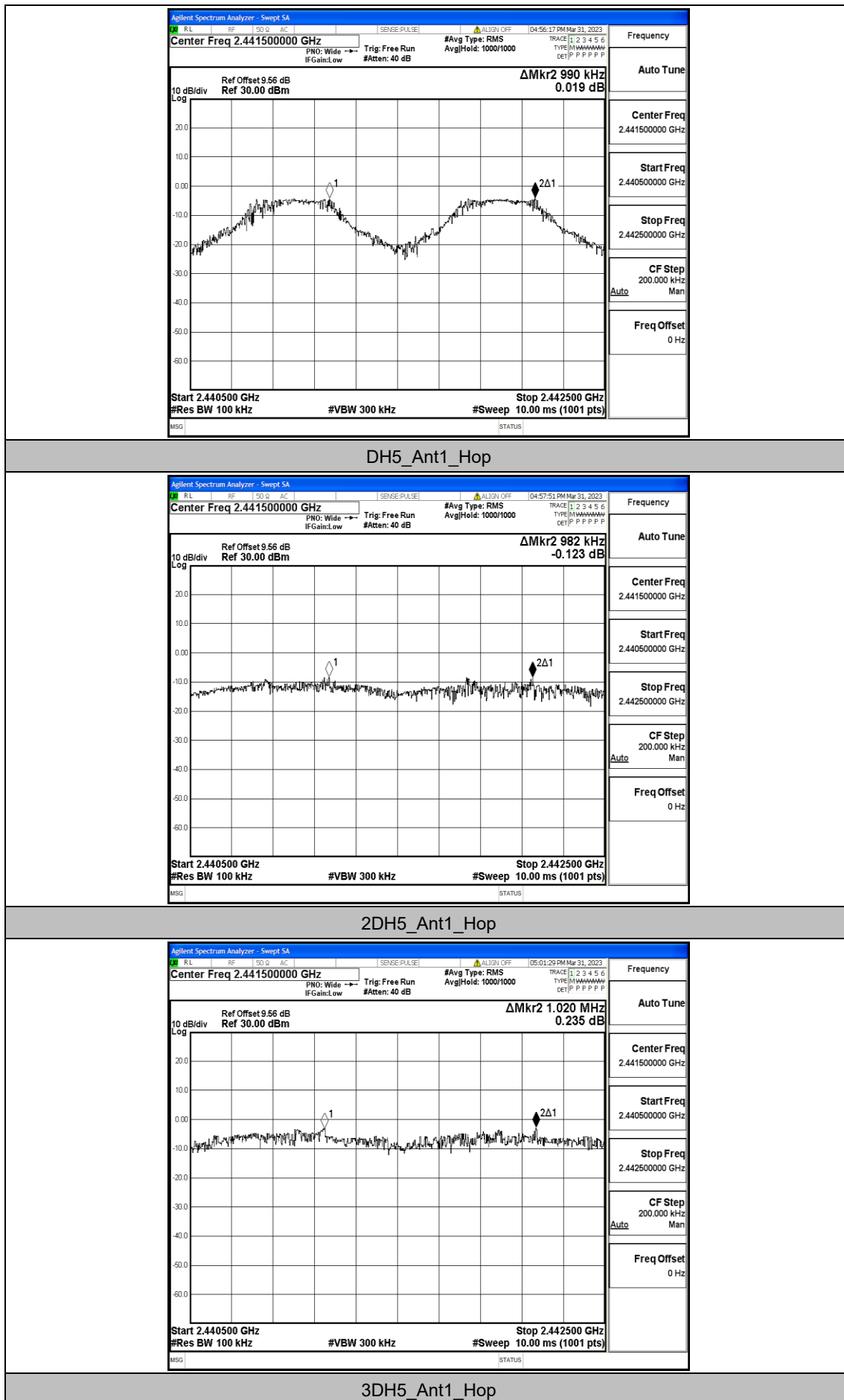
3DH5\_Ant1\_2480

## Appendix D: Carrier frequency separation

### Test Result

| TestMode | Antenna | Channel | Result[MHz] | Limit[MHz]   | Verdict |
|----------|---------|---------|-------------|--------------|---------|
| DH5      | Ant1    | Hop     | 0.99        | $\geq 0.945$ | PASS    |
| 2DH5     | Ant1    | Hop     | 0.982       | $\geq 0.894$ | PASS    |
| 3DH5     | Ant1    | Hop     | 1.02        | $\geq 0.884$ | PASS    |

## Test Graphs

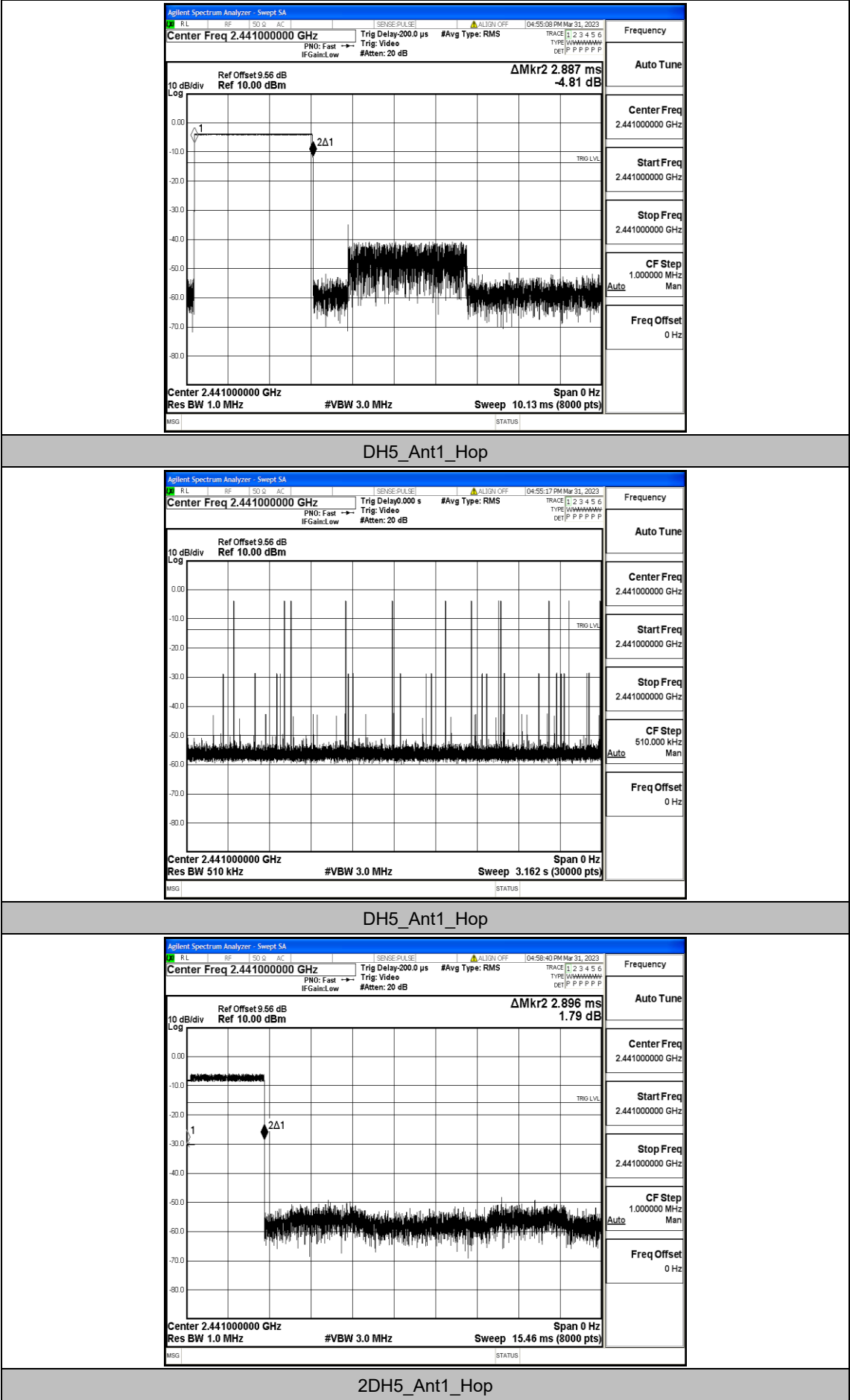


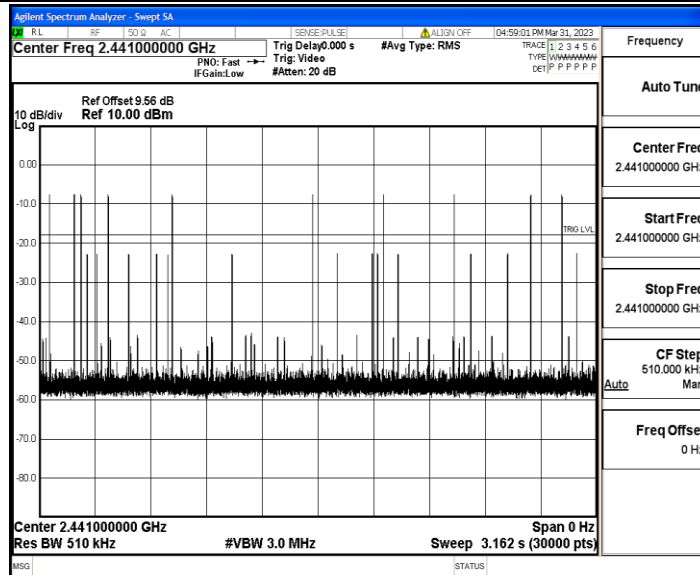
## Appendix E: Time of occupancy

### Test Result

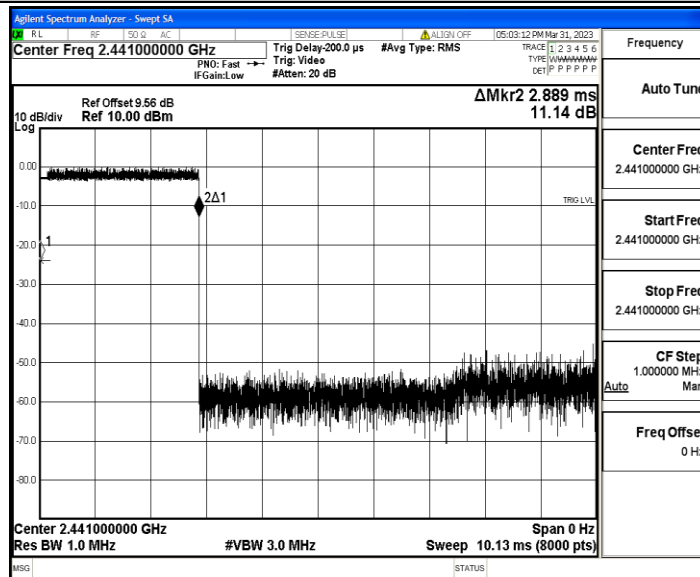
| TestMode | Antenna | Channel | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|---------|--------------------|--------------------|-----------|----------|---------|
| DH5      | Ant1    | Hop     | 2.887              | 130                | 0.375     | ≤0.4     | PASS    |
| 2DH5     | Ant1    | Hop     | 2.896              | 110                | 0.319     | ≤0.4     | PASS    |
| 3DH5     | Ant1    | Hop     | 2.889              | 70                 | 0.202     | ≤0.4     | PASS    |

Test Graphs

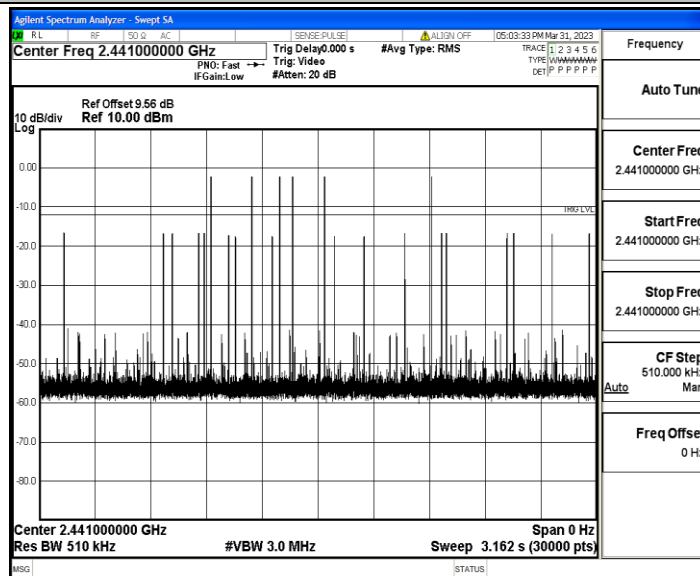




2DH5\_Ant1\_Hop



3DH5\_Ant1\_Hop



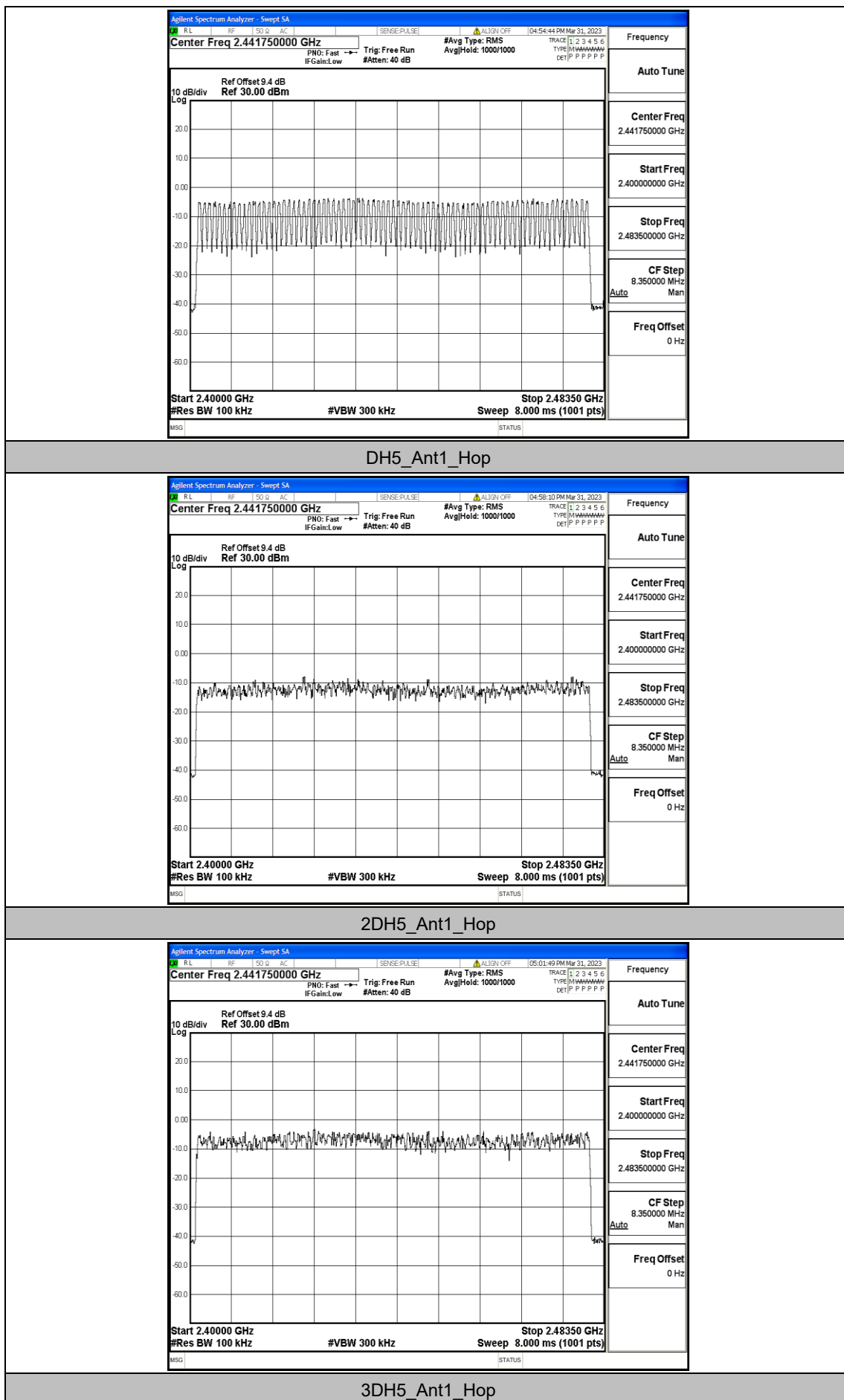
3DH5\_Ant1\_Hop

## Appendix F: Number of hopping channels

### Test Result

| TestMode | Antenna | Channel | 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

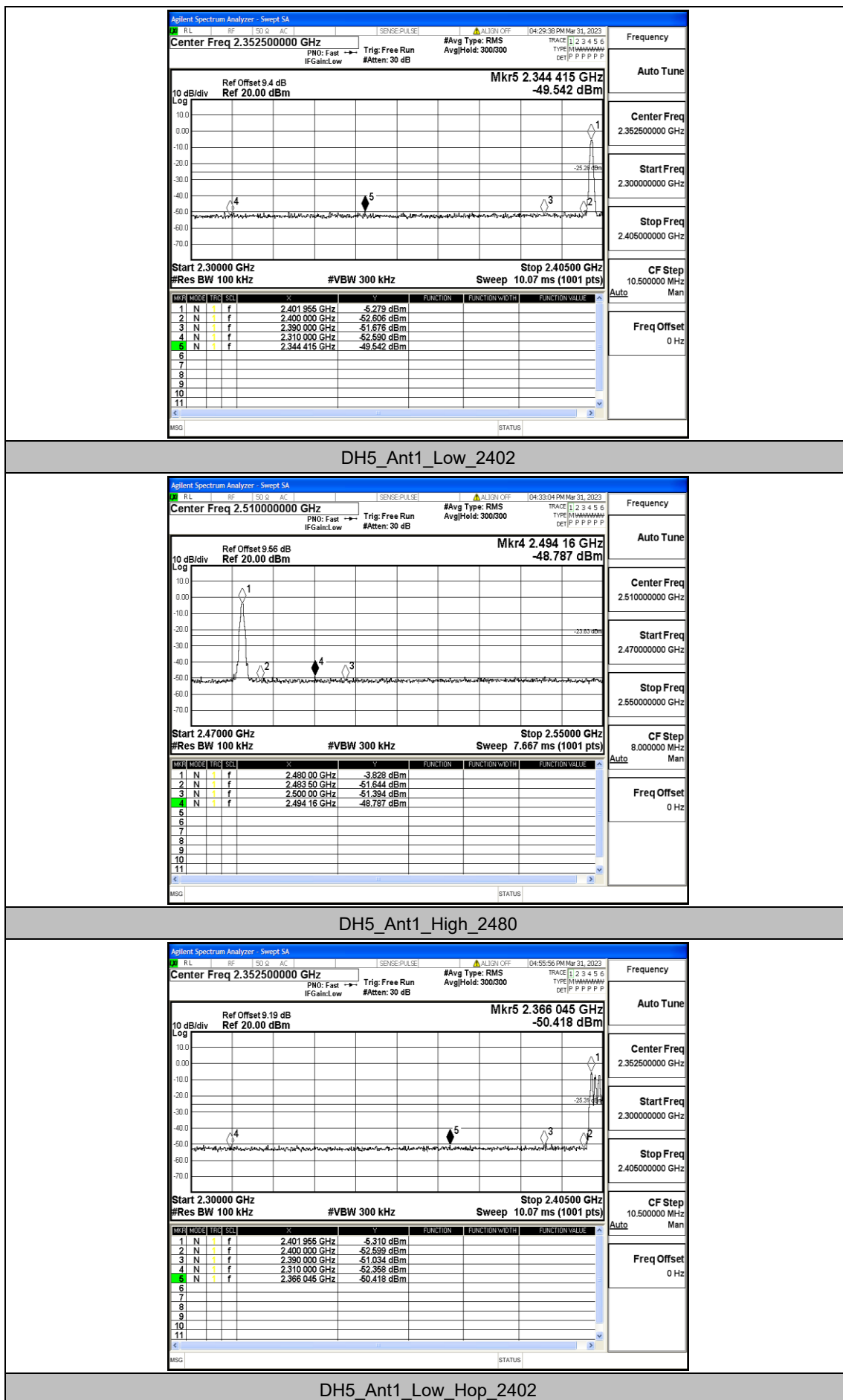


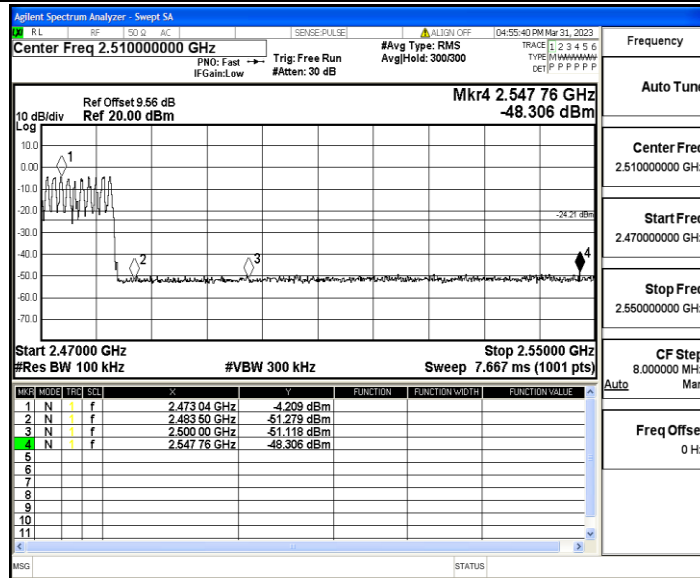
## Appendix G: Band edge measurements

### Test Result

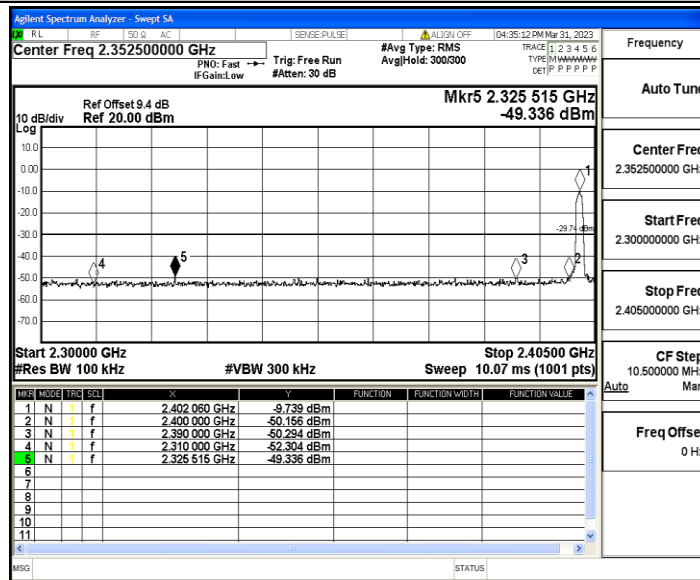
| TestMode | Antenna | ChName | Channel  | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|--------|----------|-------------------|-----------------|----------------|---------|
| DH5      | Ant1    | Low    | 2402     | -5.28             | -49.54          | $\leq -25.28$  | PASS    |
|          |         | High   | 2480     | -3.83             | -48.79          | $\leq -23.83$  | PASS    |
|          |         | Low    | Hop_2402 | -5.31             | -50.42          | $\leq -25.31$  | PASS    |
|          |         | High   | Hop_2480 | -4.21             | -48.31          | $\leq -24.21$  | PASS    |
| 2DH5     | Ant1    | Low    | 2402     | -9.74             | -49.34          | $\leq -29.74$  | PASS    |
|          |         | High   | 2480     | -7.84             | -48.76          | $\leq -27.84$  | PASS    |
|          |         | Low    | Hop_2402 | -12.37            | -49.69          | $\leq -32.37$  | PASS    |
|          |         | High   | Hop_2480 | -9.01             | -48.69          | $\leq -29.01$  | PASS    |
| 3DH5     | Ant1    | Low    | 2402     | -9.78             | -49.42          | $\leq -29.78$  | PASS    |
|          |         | High   | 2480     | -7.95             | -48.63          | $\leq -27.95$  | PASS    |
|          |         | Low    | Hop_2402 | -6.09             | -50.21          | $\leq -26.09$  | PASS    |
|          |         | High   | Hop_2480 | -4.51             | -49.02          | $\leq -24.51$  | PASS    |

## Test Graphs

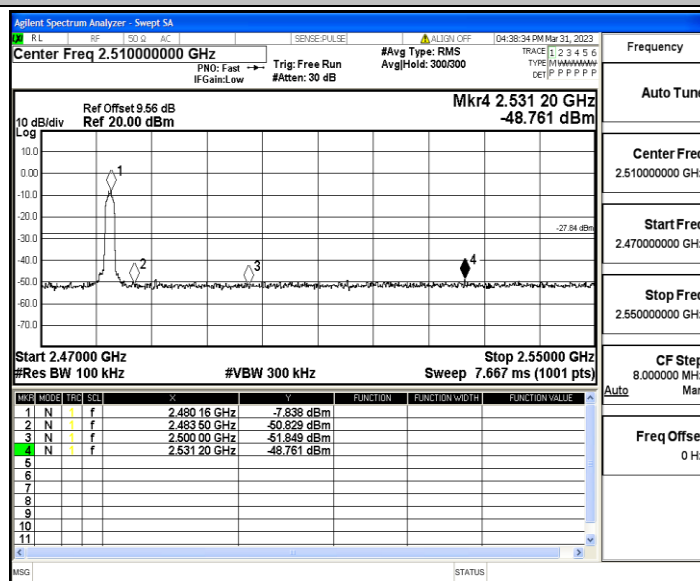




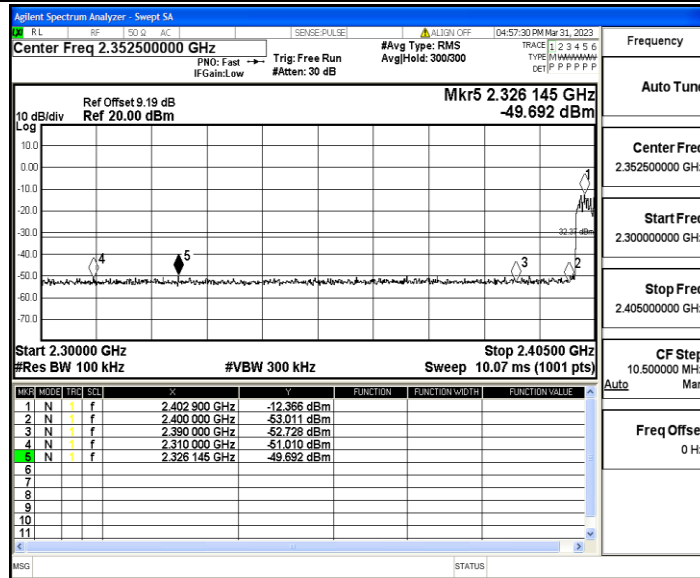
DH5\_Ant1\_High\_Hop\_2480



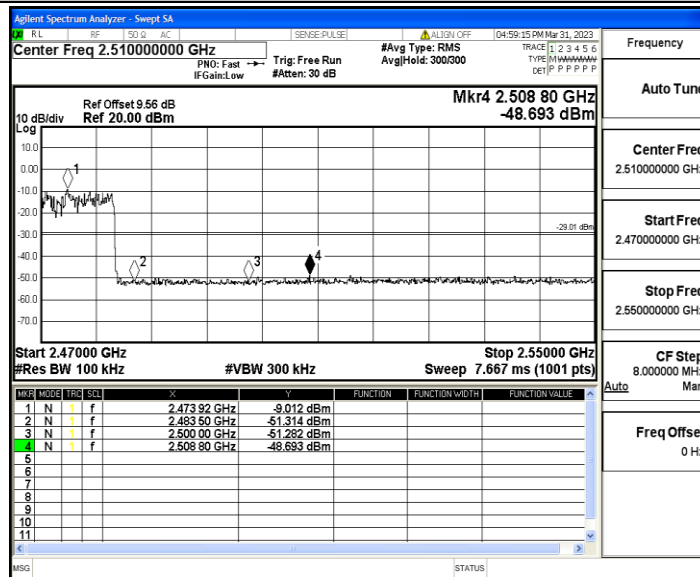
2DH5\_Ant1\_Low\_2402



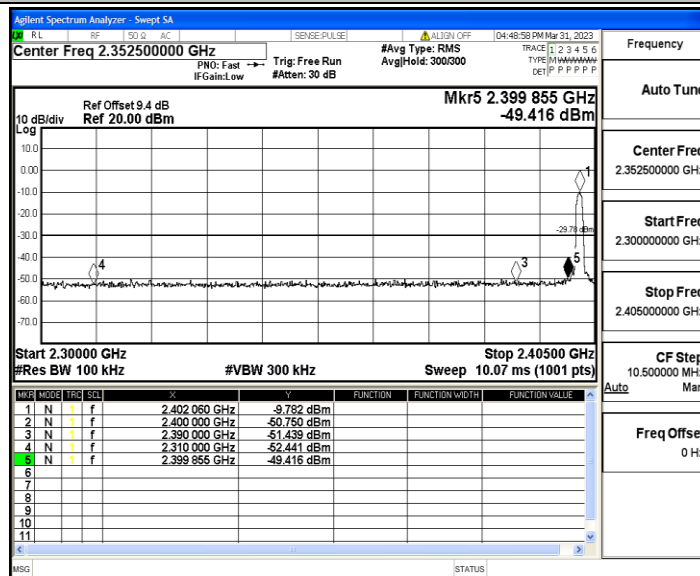
2DH5\_Ant1\_High\_2480



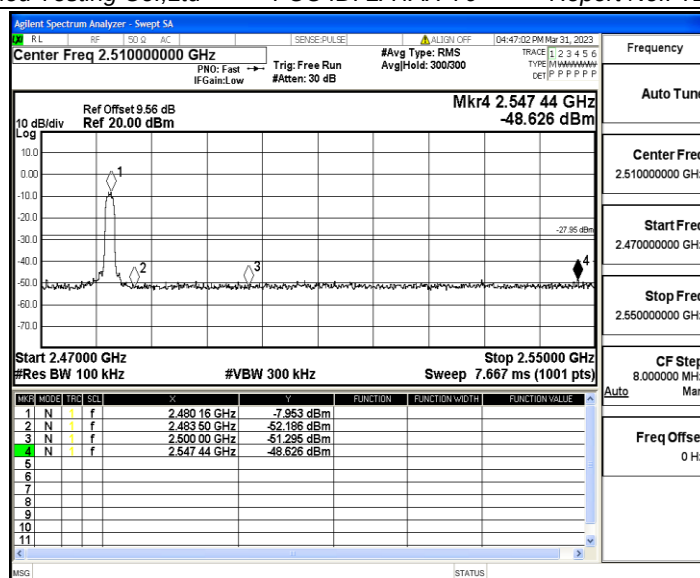
2DH5\_Ant1\_Low\_Hop\_2402



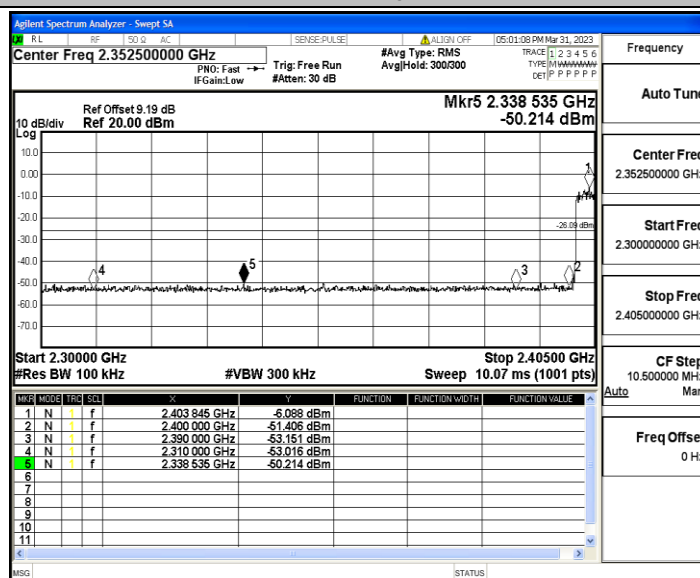
2DH5\_Ant1\_High\_Hop\_2480



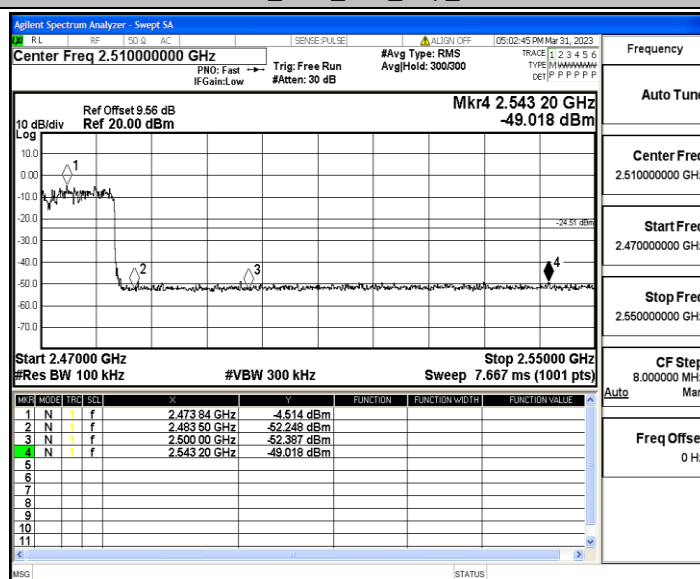
3DH5\_Ant1\_Low\_2402



## 3DH5\_Ant1\_High\_2480



## 3DH5\_Ant1\_Low\_Hop\_2402



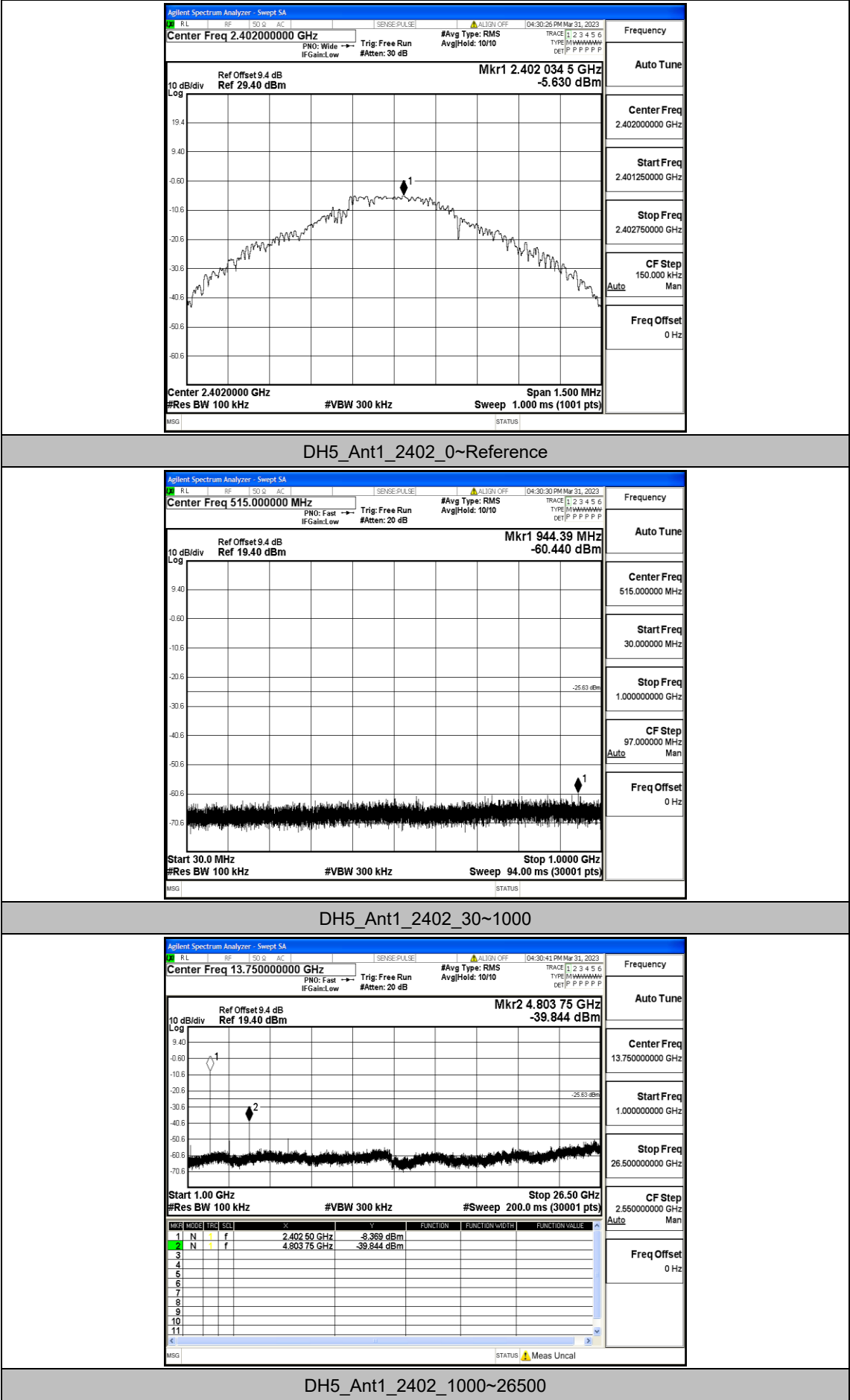
## 3DH5\_Ant1\_High\_Hop\_2480

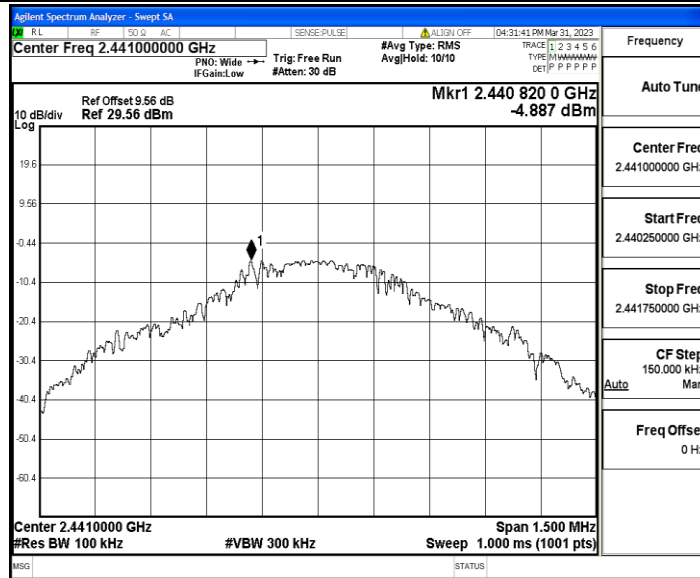
## Appendix H: Conducted Spurious Emission

### Test Result

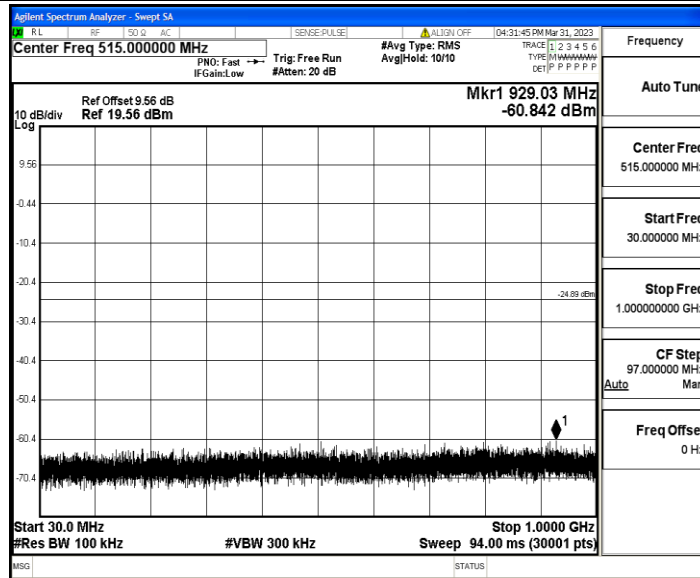
| TestMode | Antenna | Channel | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|---------|--------------------|-------------------|-----------------|----------------|---------|
| DH5      | Ant1    | 2402    | Reference          | -5.63             | -5.63           | ---            | PASS    |
|          |         |         | 30~1000            | -5.63             | -60.44          | ≤-25.63        | PASS    |
|          |         |         | 1000~26500         | -5.63             | -39.84          | ≤-25.63        | PASS    |
|          |         | 2441    | Reference          | -4.89             | -4.89           | ---            | PASS    |
|          |         |         | 30~1000            | -4.89             | -60.84          | ≤-24.89        | PASS    |
|          |         |         | 1000~26500         | -4.89             | -42.86          | ≤-24.89        | PASS    |
|          |         | 2480    | Reference          | -4.52             | -4.52           | ---            | PASS    |
|          |         |         | 30~1000            | -4.52             | -61.33          | ≤-24.52        | PASS    |
|          |         |         | 1000~26500         | -4.52             | -42.8           | ≤-24.52        | PASS    |
| 2DH5     | Ant1    | 2402    | Reference          | -11.06            | -11.06          | ---            | PASS    |
|          |         |         | 30~1000            | -11.06            | -60.93          | ≤-31.06        | PASS    |
|          |         |         | 1000~26500         | -11.06            | -45.27          | ≤-31.06        | PASS    |
|          |         | 2441    | Reference          | -9.85             | -9.85           | ---            | PASS    |
|          |         |         | 30~1000            | -9.85             | -61.23          | ≤-29.85        | PASS    |
|          |         |         | 1000~26500         | -9.85             | -46.29          | ≤-29.85        | PASS    |
|          |         | 2480    | Reference          | -8.61             | -8.61           | ---            | PASS    |
|          |         |         | 30~1000            | -8.61             | -61.46          | ≤-28.61        | PASS    |
|          |         |         | 1000~26500         | -8.61             | -47.03          | ≤-28.61        | PASS    |
| 3DH5     | Ant1    | 2402    | Reference          | -11.09            | -11.09          | ---            | PASS    |
|          |         |         | 30~1000            | -11.09            | -60.67          | ≤-31.09        | PASS    |
|          |         |         | 1000~26500         | -11.09            | -45.92          | ≤-31.09        | PASS    |
|          |         | 2441    | Reference          | -8.81             | -8.81           | ---            | PASS    |
|          |         |         | 30~1000            | -8.81             | -60.26          | ≤-28.81        | PASS    |
|          |         |         | 1000~26500         | -8.81             | -44.86          | ≤-28.81        | PASS    |
|          |         | 2480    | Reference          | -10.31            | -10.31          | ---            | PASS    |
|          |         |         | 30~1000            | -10.31            | -60.78          | ≤-30.31        | PASS    |
|          |         |         | 1000~26500         | -10.31            | -43.4           | ≤-30.31        | PASS    |

Test Graphs

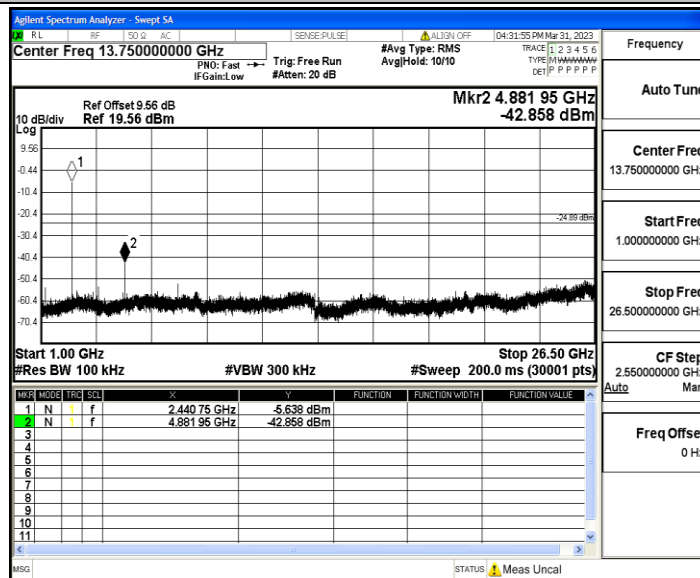




DH5\_Ant1\_2441\_0~Reference



DH5\_Ant1\_2441\_30~1000



DH5\_Ant1\_2441\_1000~26500