

## 10 APPENDIX

### Appendix1

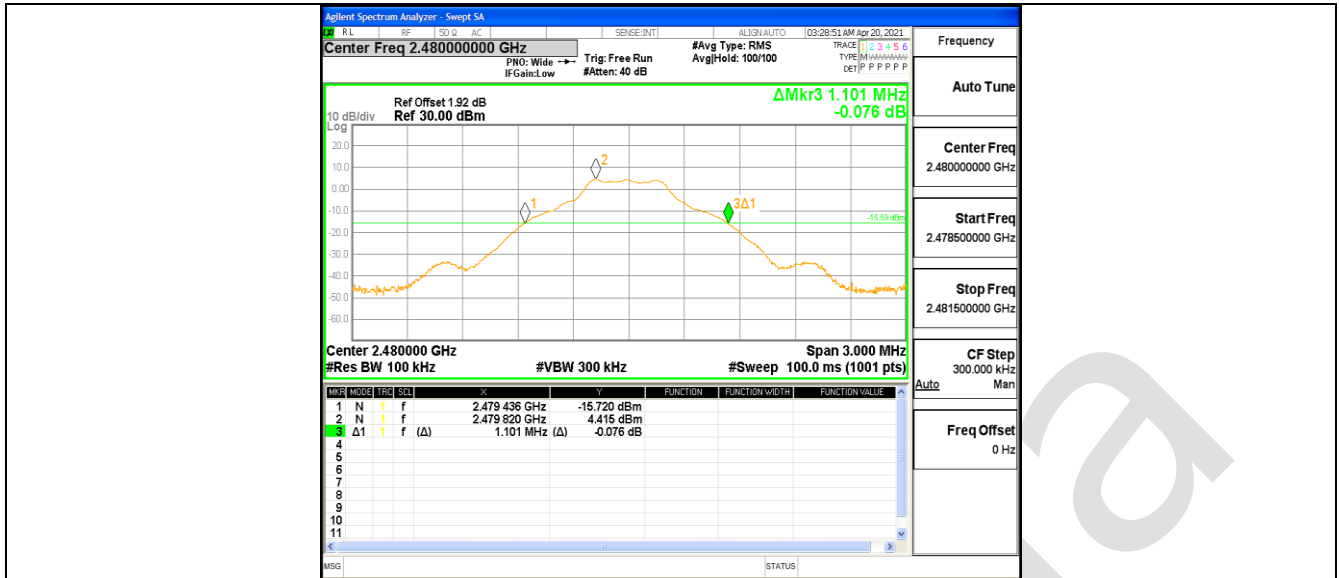
#### 10.1 APPENDIX A: 20DB EMISSION BANDWIDTH

##### Test Result

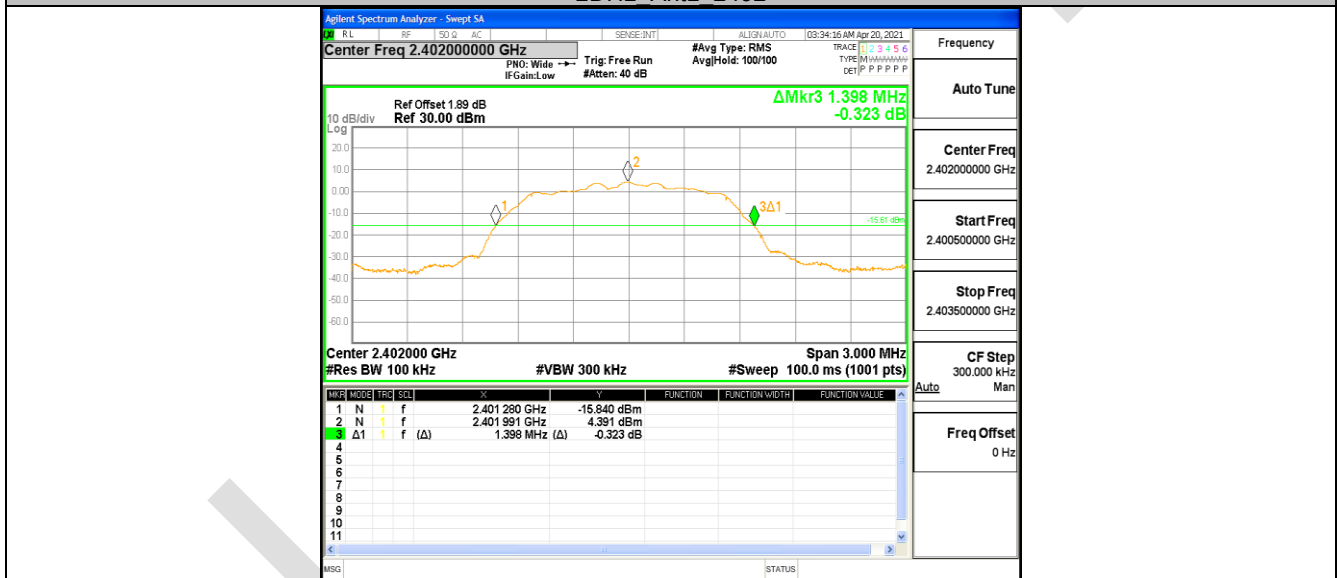
| TestMode | Antenna | Channel | 20db<br>EBW[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|---------|------------------|----------|----------|------------|---------|
| DH1      | Ant1    | 2402    | 1.107            | 2401.433 | 2402.540 | ---        | PASS    |
|          |         | 2441    | 1.101            | 2440.436 | 2441.537 | ---        | PASS    |
|          |         | 2480    | 1.101            | 2479.436 | 2480.537 | ---        | PASS    |
| 2DH1     | Ant1    | 2402    | 1.398            | 2401.280 | 2402.678 | ---        | PASS    |
|          |         | 2441    | 1.395            | 2440.277 | 2441.672 | ---        | PASS    |
|          |         | 2480    | 1.401            | 2479.280 | 2480.681 | ---        | PASS    |
| 3DH1     | Ant1    | 2402    | 1.362            | 2401.301 | 2402.663 | ---        | PASS    |
|          |         | 2441    | 1.362            | 2440.301 | 2441.663 | ---        | PASS    |
|          |         | 2480    | 1.359            | 2479.307 | 2480.666 | ---        | PASS    |

## Test Graphs

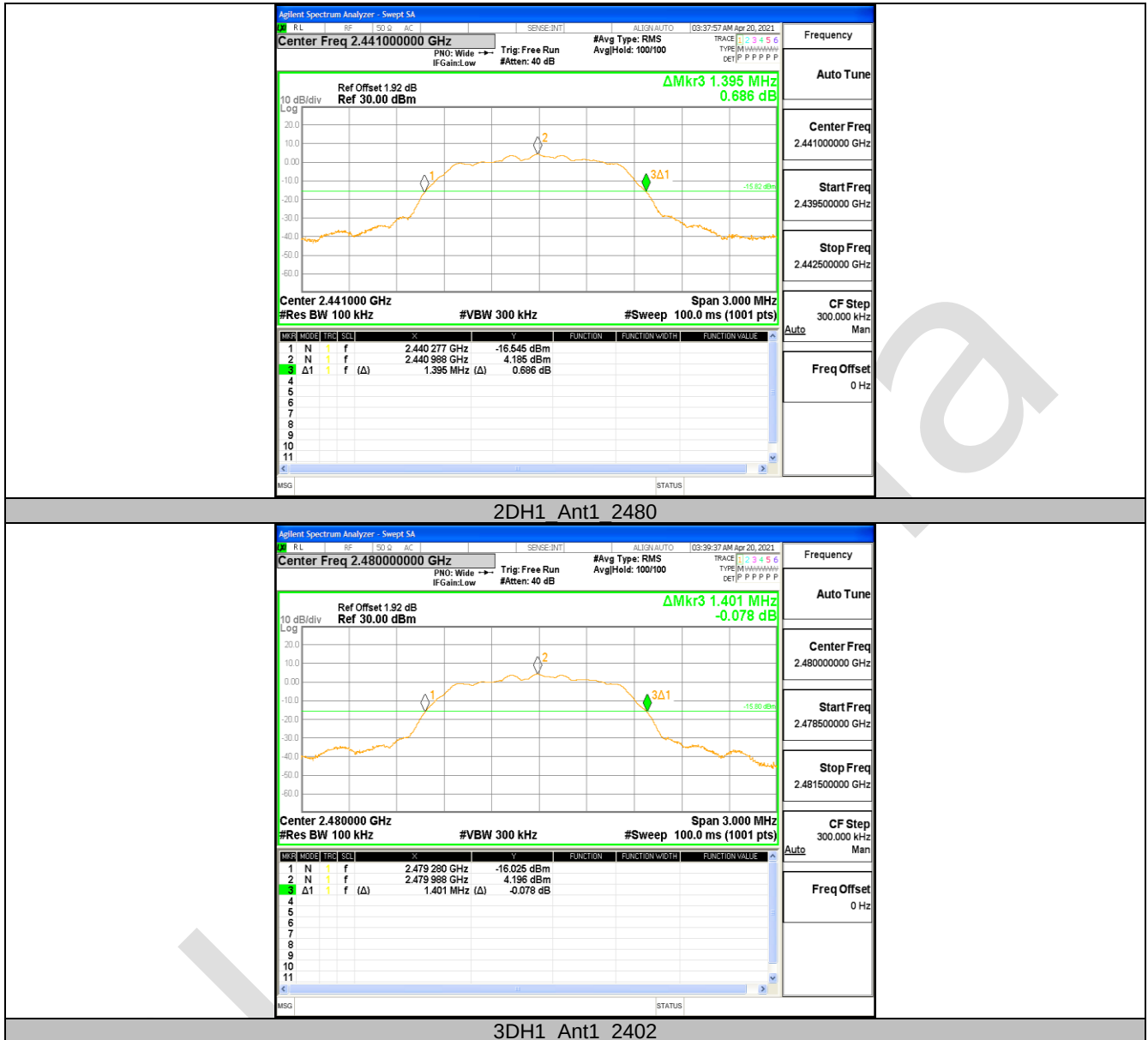


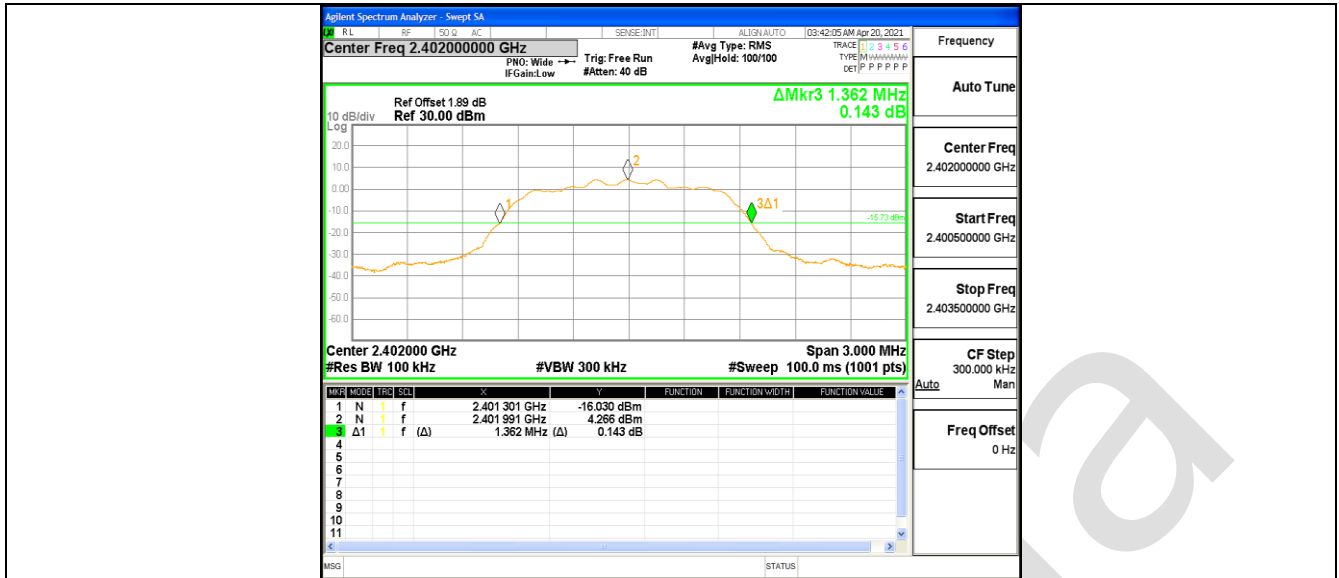


2DH1\_Ant1\_2402

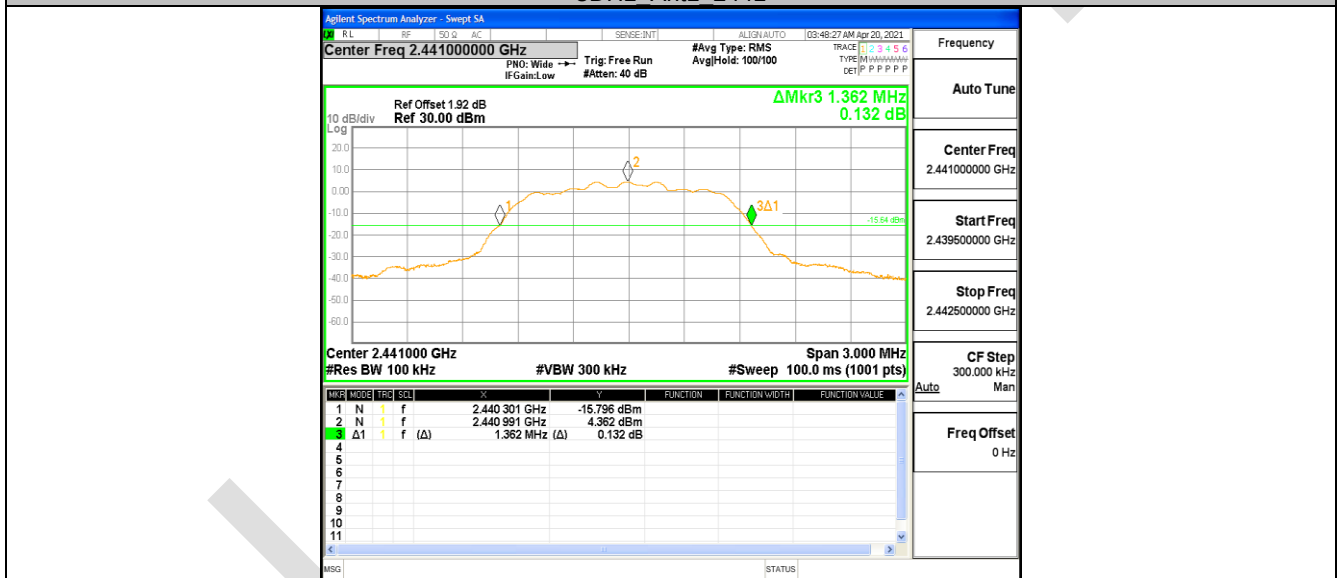


2DH1\_Ant1\_2441

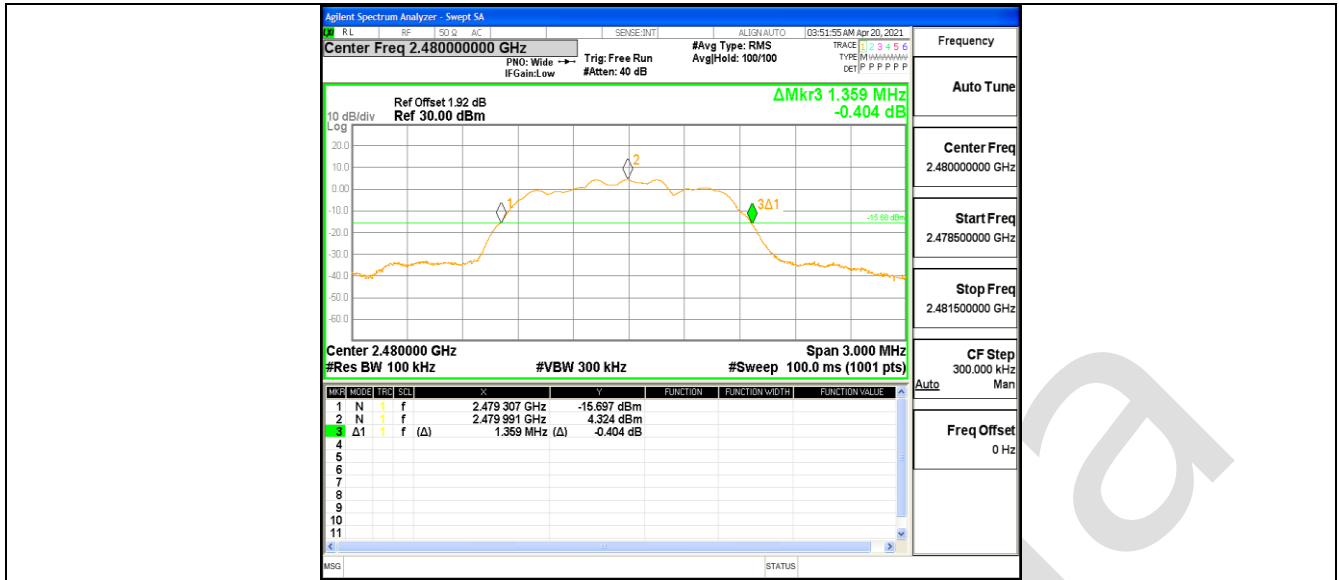




3DH1\_Ant1\_2441



3DH1\_Ant1\_2480



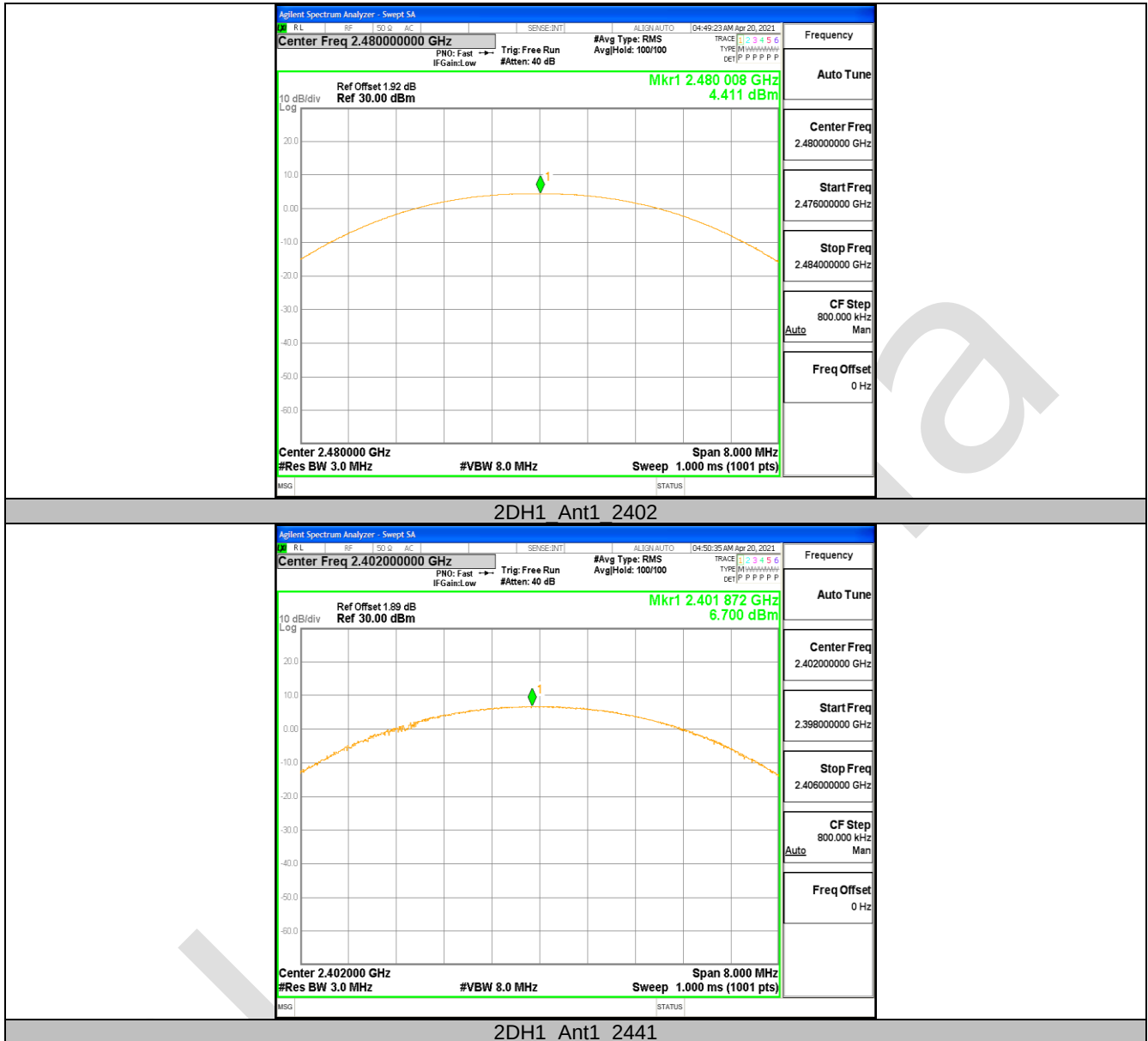
## 10.2 APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER

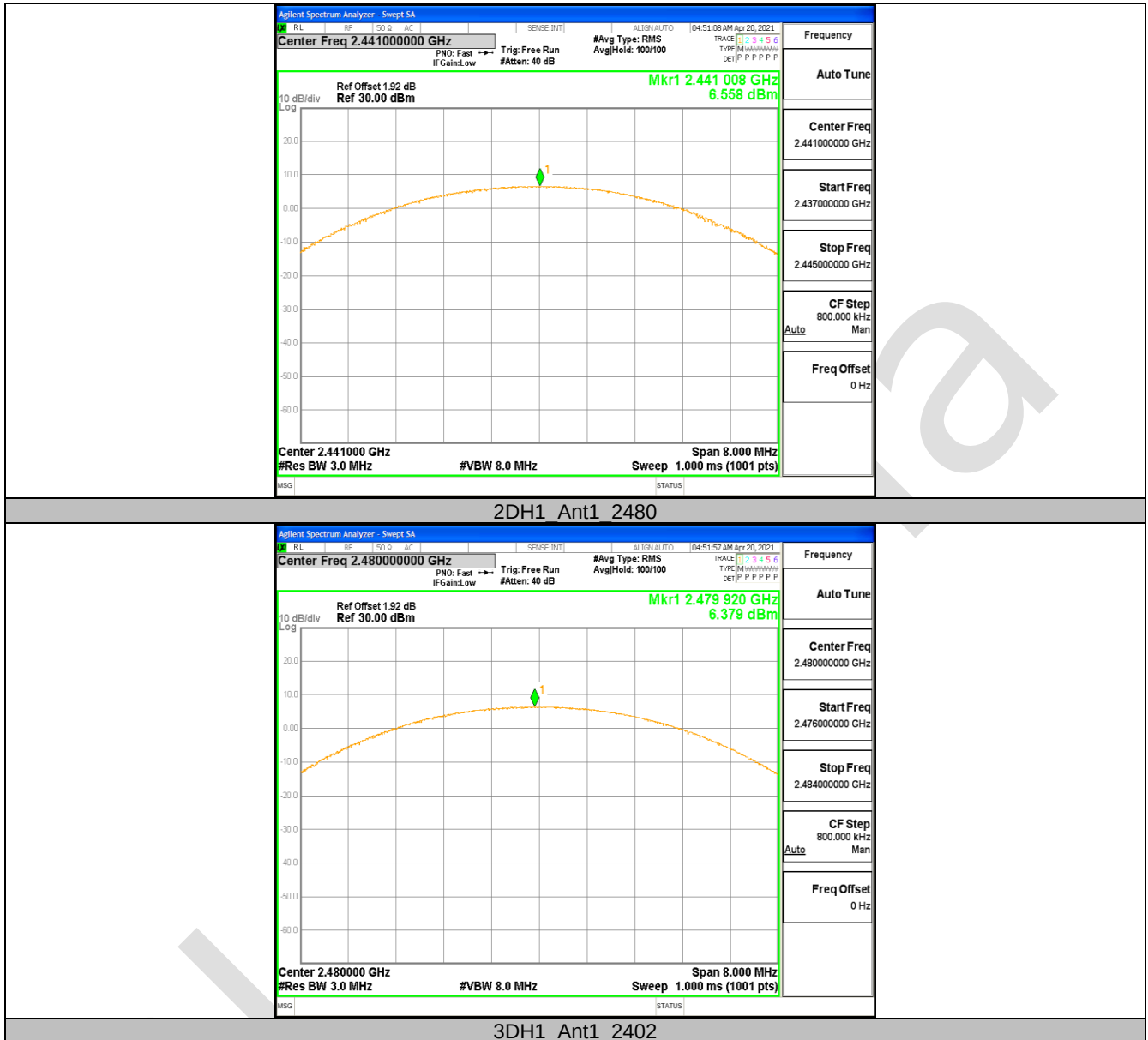
### Test Result

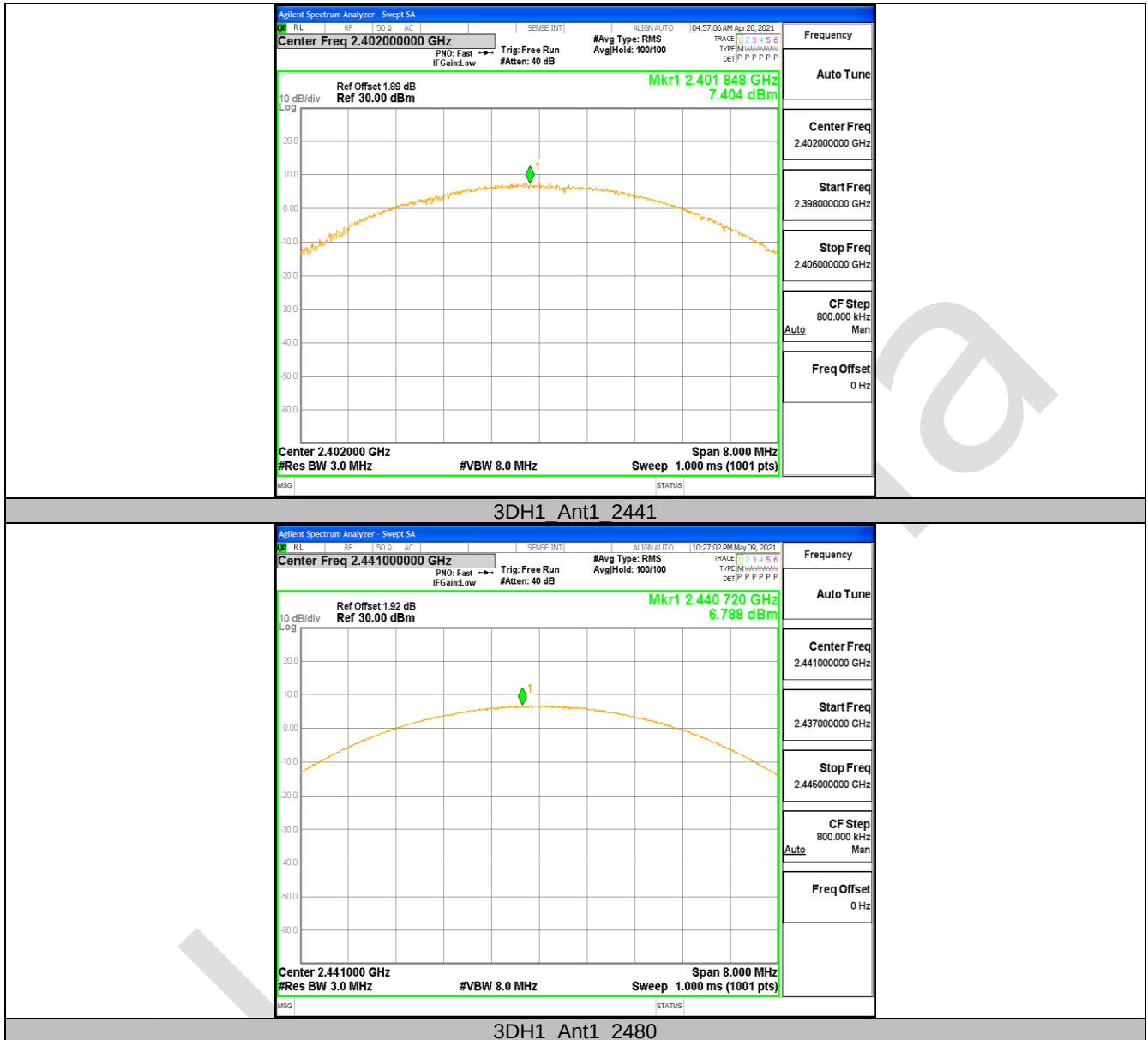
| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm]   | Verdict |
|----------|---------|---------|-------------|--------------|---------|
| DH1      | Ant1    | 2402    | 4.03        | $\leq 20.97$ | PASS    |
|          |         | 2441    | 4.31        | $\leq 20.97$ | PASS    |
|          |         | 2480    | 4.41        | $\leq 20.97$ | PASS    |
| 2DH1     | Ant1    | 2402    | 6.7         | $\leq 20.97$ | PASS    |
|          |         | 2441    | 6.56        | $\leq 20.97$ | PASS    |
|          |         | 2480    | 6.38        | $\leq 20.97$ | PASS    |
| 3DH1     | Ant1    | 2402    | 7.4         | $\leq 20.97$ | PASS    |
|          |         | 2441    | 6.79        | $\leq 20.97$ | PASS    |
|          |         | 2480    | 7.03        | $\leq 20.97$ | PASS    |

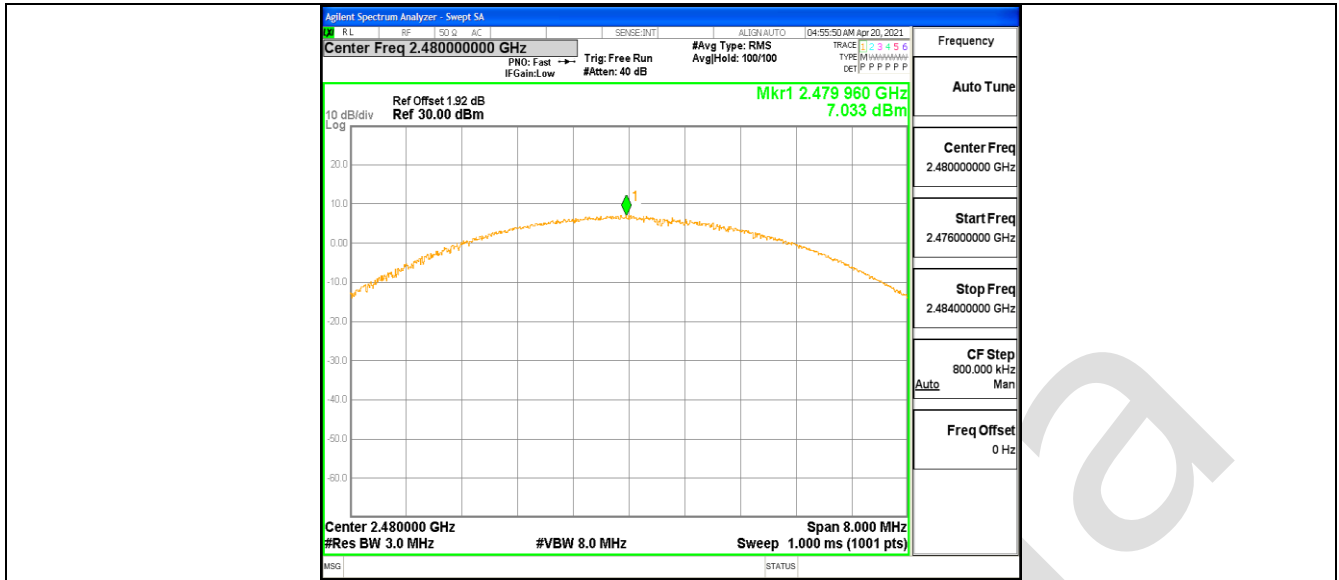
## Test Graphs











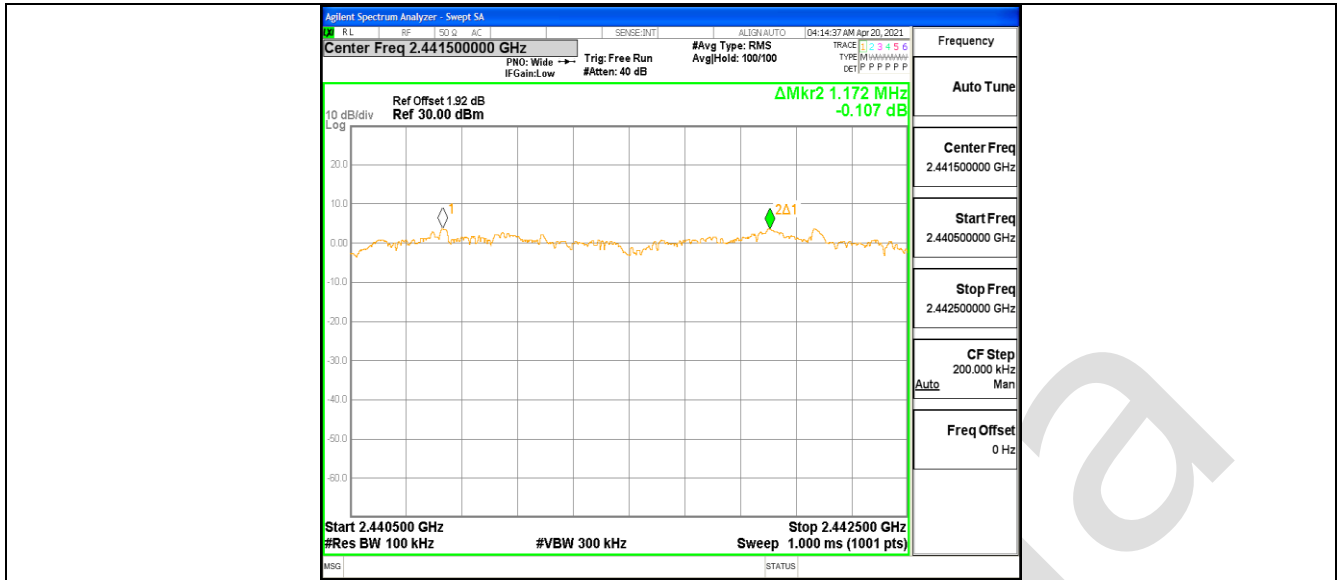
### 10.3 APPENDIX D: CARRIER FREQUENCY SEPARATION

#### Test Result

| TestMode | Antenna | Channel | Result[MHz] | Limit[MHz]   | Verdict |
|----------|---------|---------|-------------|--------------|---------|
| DH1      | Ant1    | Hop     | 1.13        | $\geq 1.107$ | PASS    |
| 2DH1     | Ant1    | Hop     | 1.002       | $\geq 0.934$ | PASS    |
| 3DH1     | Ant1    | Hop     | 1.172       | $\geq 0.908$ | PASS    |

## Test Graphs



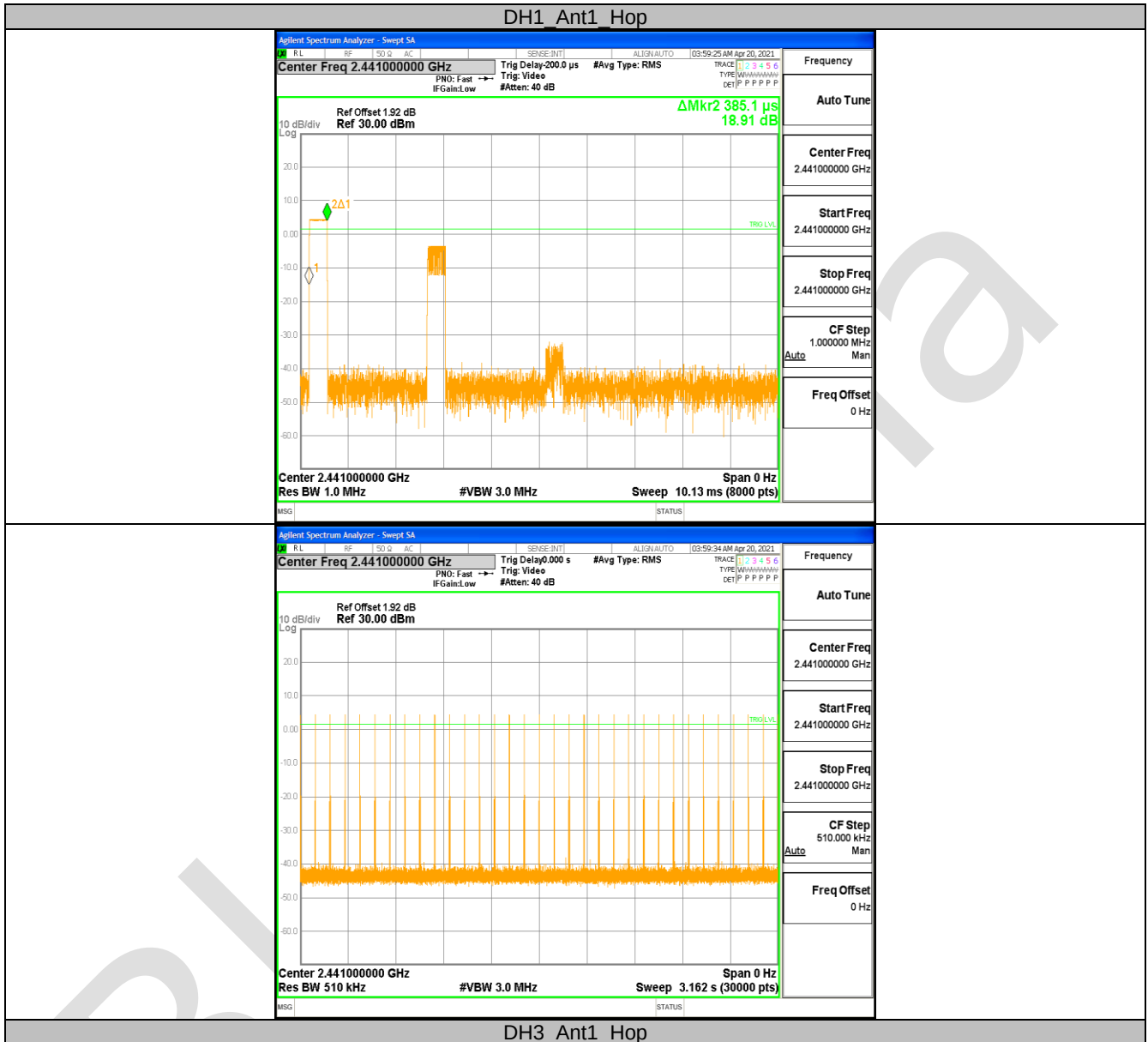


#### 10.4 APPENDIX E: TIME OF OCCUPANCY

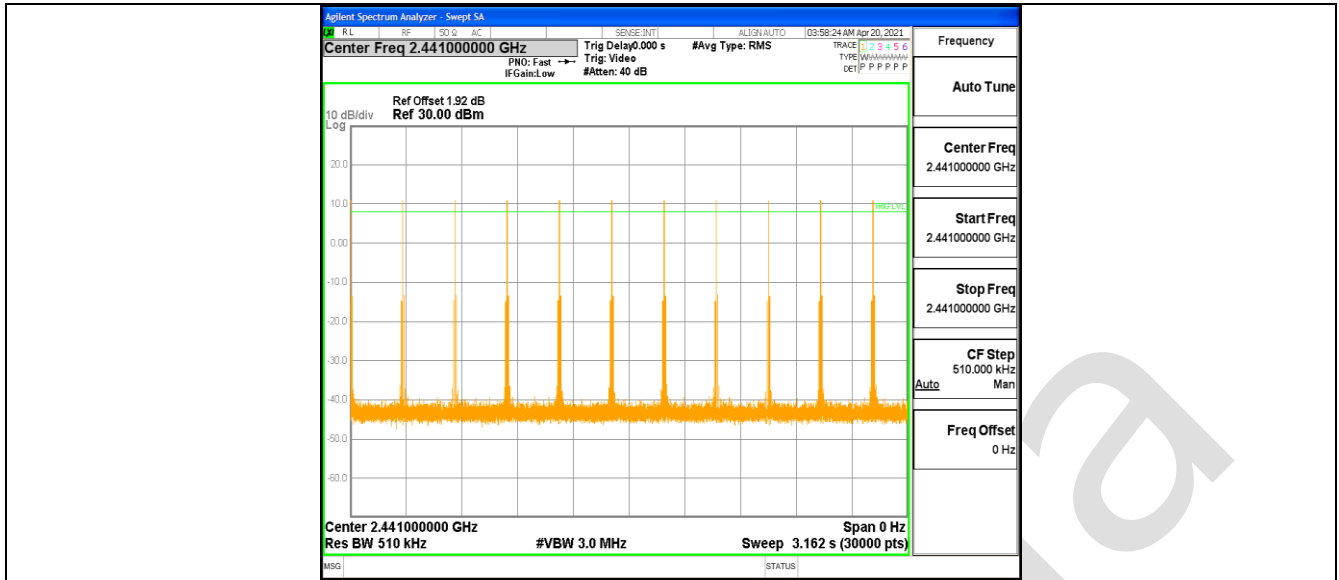
##### Test Result

| TestMode | Antenna | Channel | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|---------|--------------------|--------------------|-----------|----------|---------|
| DH1      | Ant1    | Hop     | 0.39               | 330                | 0.127     | <=0.4    | PASS    |
| DH3      | Ant1    | Hop     | 1.64               | 170                | 0.279     | <=0.4    | PASS    |
| DH5      | Ant1    | Hop     | 2.89               | 110                | 0.318     | <=0.4    | PASS    |

## Test Graphs





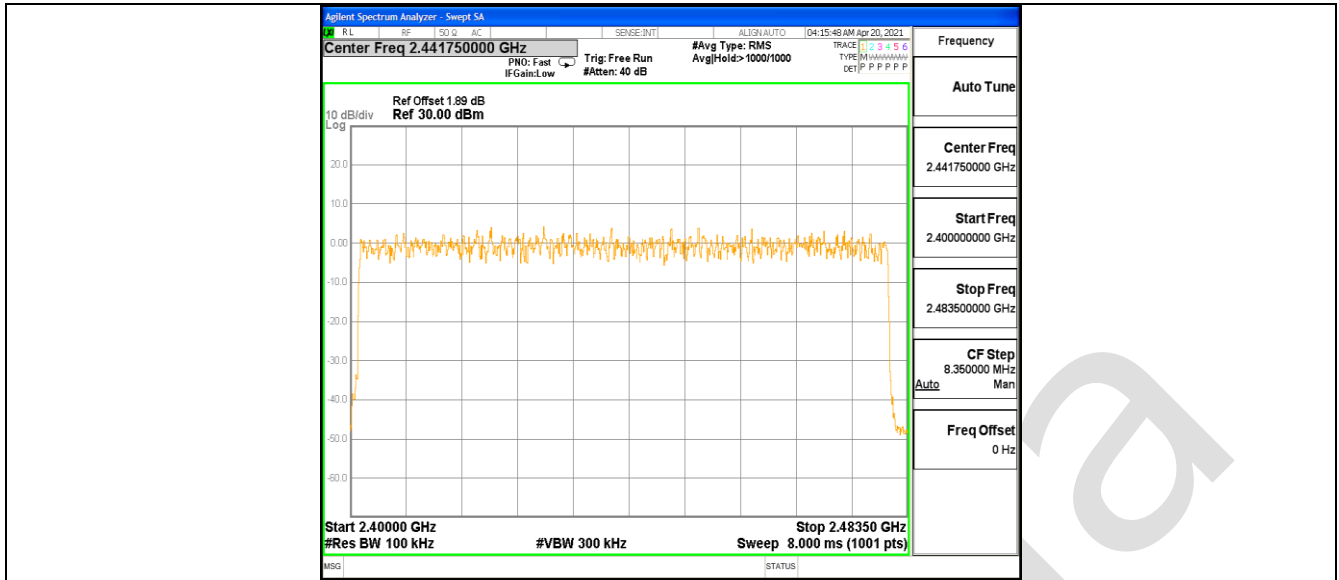


**10.5 APPENDIX F: NUMBER OF HOPPING CHANNELS****Test Result**

| TestMode | Antenna | Channel | Result[Num] | Limit[Num] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| DH1      | Ant1    | Hop     | 79          | $\geq 15$  | PASS    |
| 2DH1     | Ant1    | Hop     | 79          | $\geq 15$  | PASS    |
| 3DH1     | Ant1    | Hop     | 79          | $\geq 15$  | PASS    |

## Test Graphs





## 10.6 APPENDIX G: BAND EDGE MEASUREMENTS

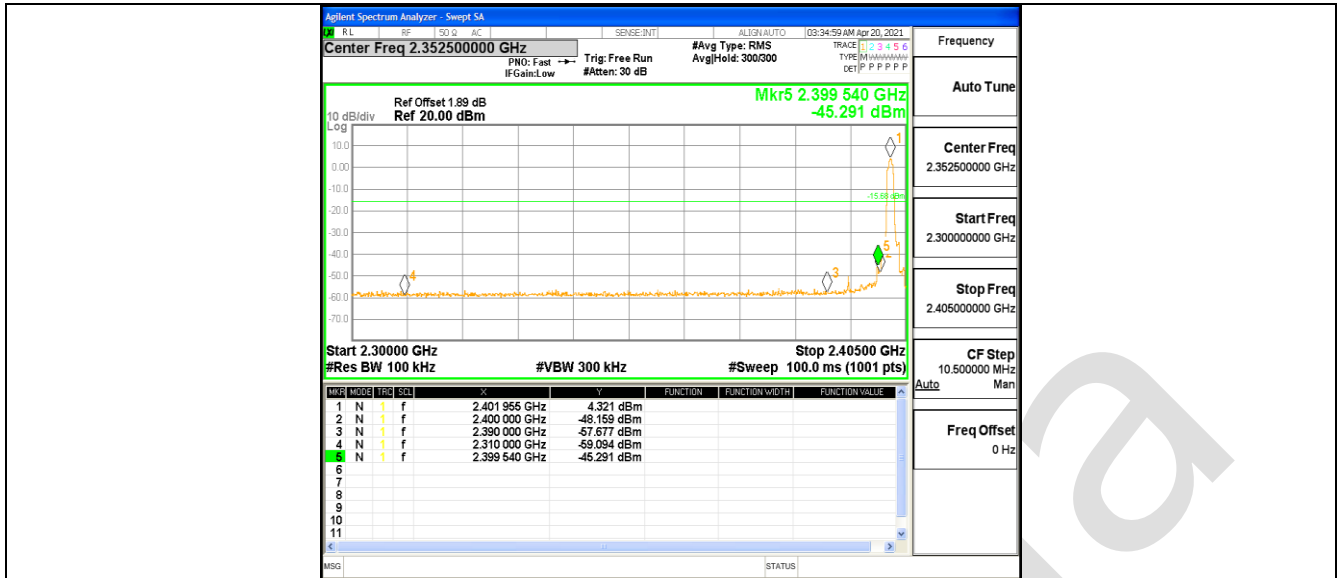
### Test Result

| TestMode | Antenna | ChName | Channel  | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|----------|----------------|--------------|-------------|---------|
| DH1      | Ant1    | Low    | 2402     | 4.45           | -48.78       | <=-15.56    | PASS    |
|          |         | High   | 2480     | 4.41           | -50.43       | <=-15.59    | PASS    |
|          |         | Low    | Hop_2402 | 4.39           | -56.29       | <=-15.62    | PASS    |
|          |         | High   | Hop_2480 | 4.37           | -54.93       | <=-15.63    | PASS    |
| 2DH1     | Ant1    | Low    | 2402     | 4.32           | -45.29       | <=-15.68    | PASS    |
|          |         | High   | 2480     | 4.18           | -49.67       | <=-15.82    | PASS    |
|          |         | Low    | Hop_2402 | 3.94           | -56.03       | <=-16.06    | PASS    |
|          |         | High   | Hop_2480 | 3.87           | -54.7        | <=-16.13    | PASS    |
| 3DH1     | Ant1    | Low    | 2402     | 4.18           | -36.36       | <=-15.82    | PASS    |
|          |         | High   | 2480     | 4.33           | -49.69       | <=-15.67    | PASS    |
|          |         | Low    | Hop_2402 | 2.41           | -56.15       | <=-17.59    | PASS    |
|          |         | High   | Hop_2480 | 3.81           | -55.24       | <=-16.19    | PASS    |

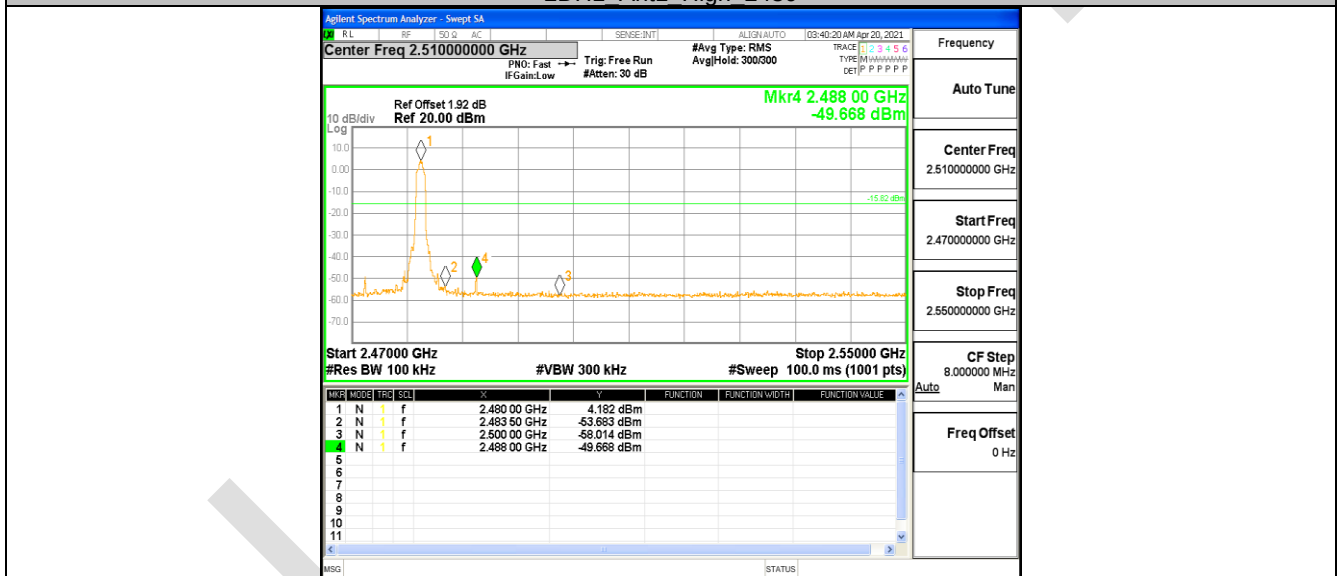
## Test Graphs



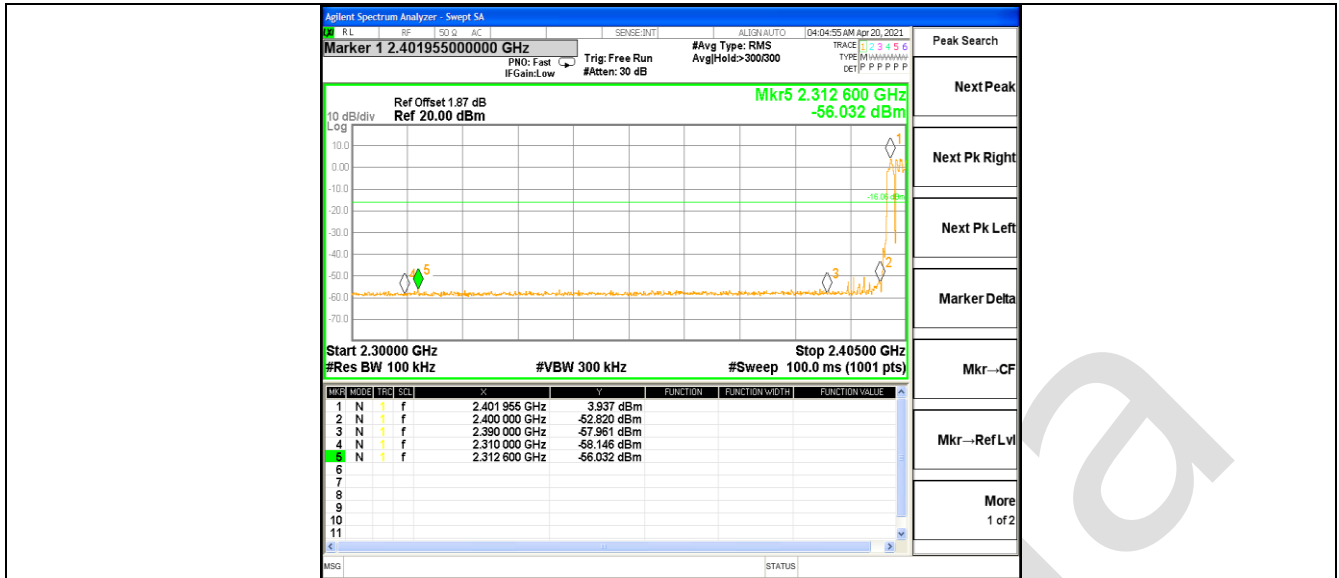




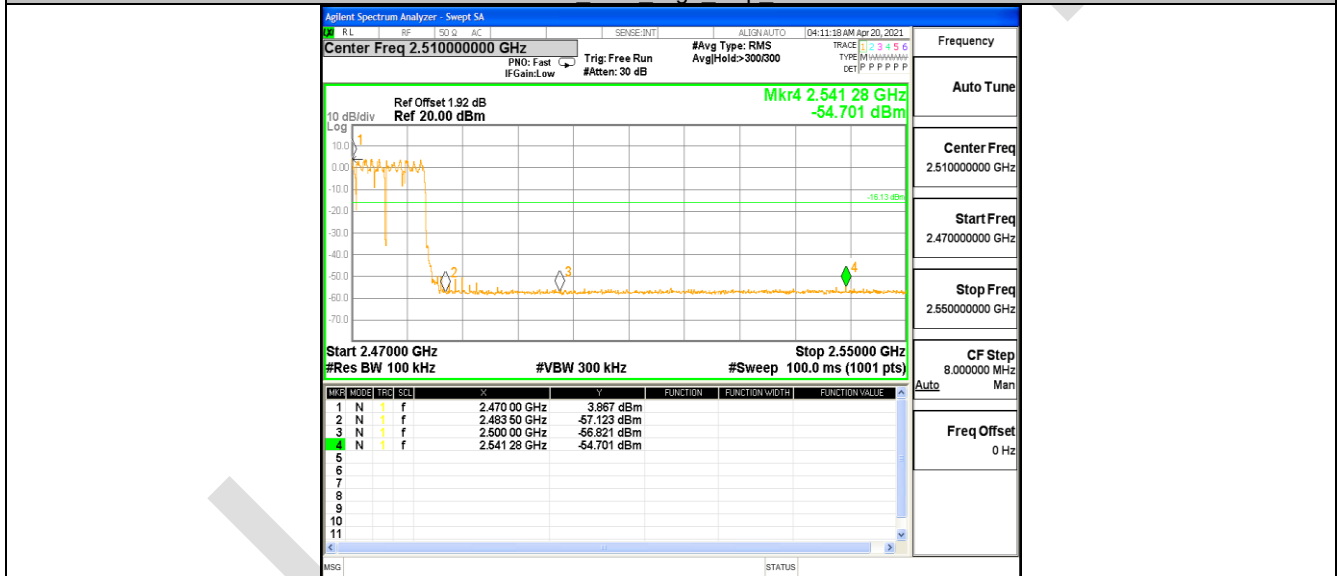
2DH1 Ant1 High 2480



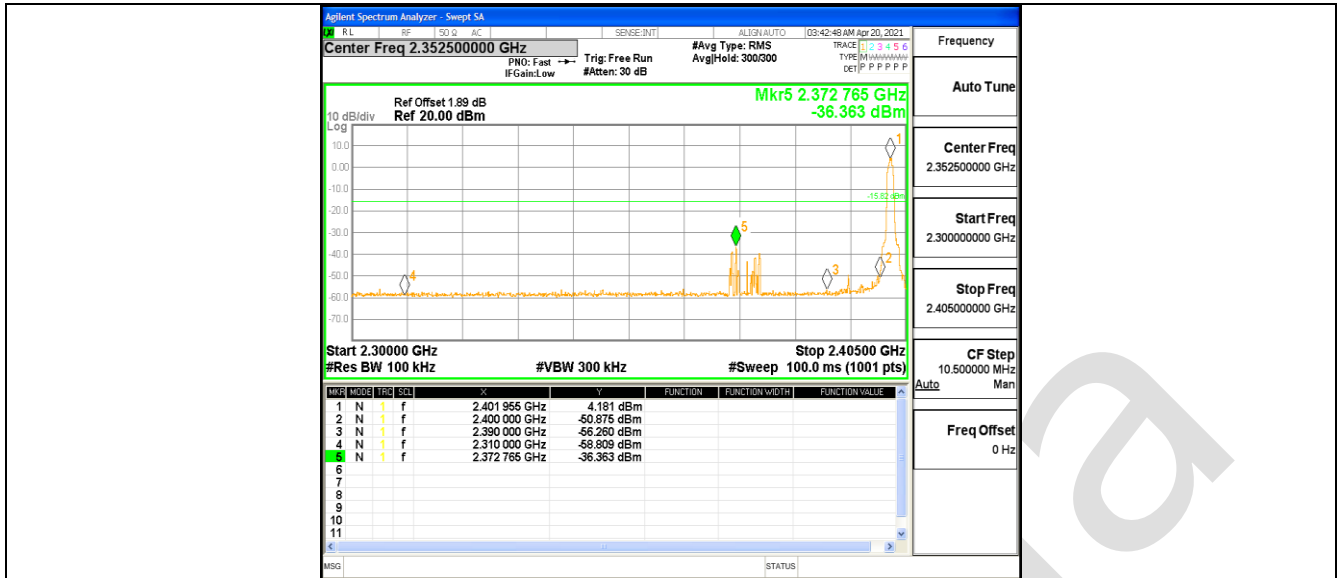
2DH1 Ant1 Low Hop 2402



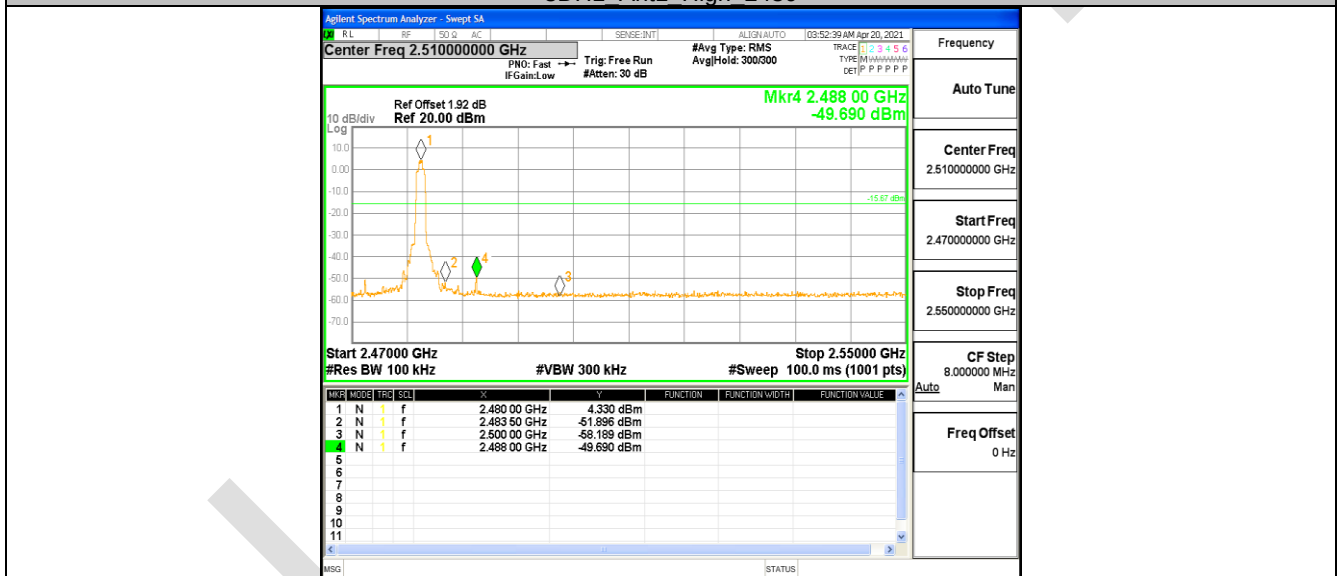
2DH1 Ant1 High Hop 2480



3DH1 Ant1 Low 2402



3DH1 Ant1 High 2480



3DH1 Ant1 Low Hop 2402



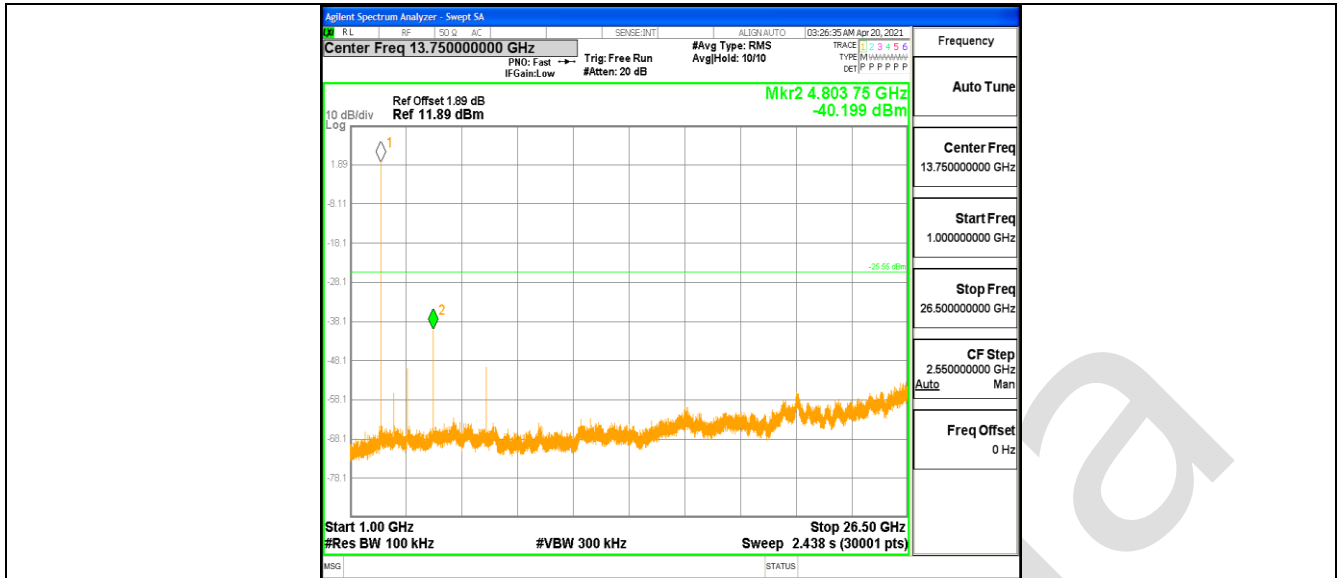
## 10.7 APPENDIX H: CONDUCTED SPURIOUS EMISSION

### Test Result

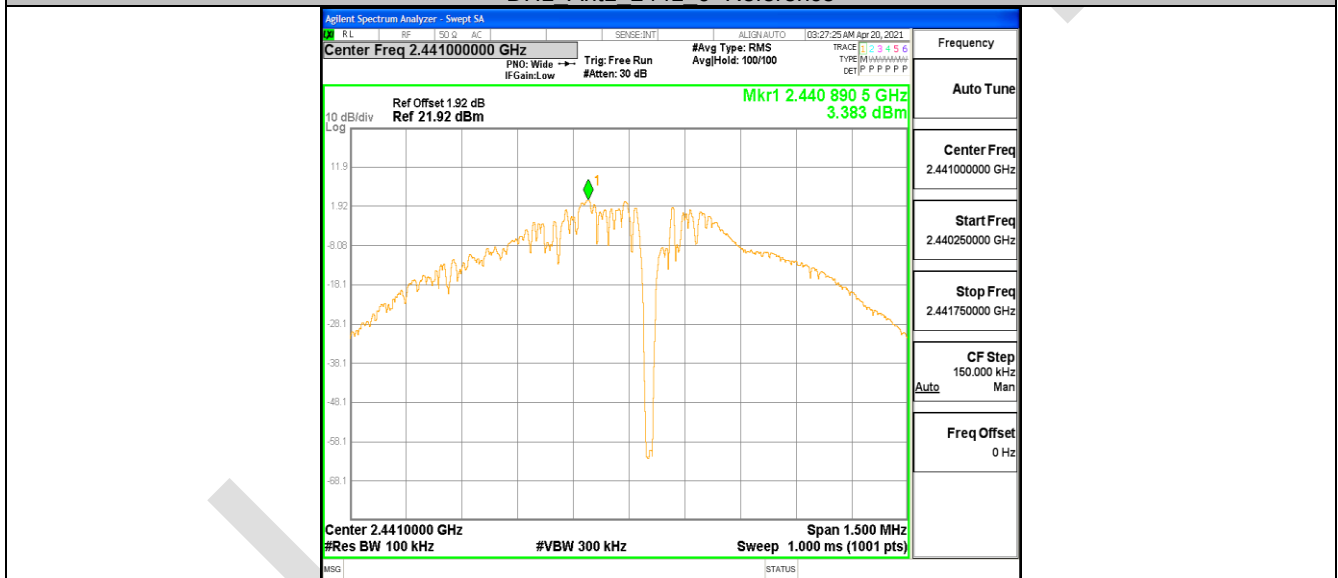
| TestMode | Antenna | Channel | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|---------|-----------------|----------------|--------------|-------------|---------|
| DH1      | Ant1    | 2402    | Reference       | 4.45           | 4.45         | ---         | PASS    |
|          |         |         | 30~1000         | 4.45           | -67.66       | <=-25.55    | PASS    |
|          |         |         | 1000~26500      | 4.45           | -40.2        | <=-25.55    | PASS    |
|          |         | 2441    | Reference       | 3.38           | 3.38         | ---         | PASS    |
|          |         |         | 30~1000         | 3.38           | -66.66       | <=-26.62    | PASS    |
|          |         |         | 1000~26500      | 3.38           | -43.6        | <=-26.62    | PASS    |
|          |         | 2480    | Reference       | 4.39           | 4.39         | ---         | PASS    |
|          |         |         | 30~1000         | 4.39           | -66.99       | <=-25.62    | PASS    |
|          |         |         | 1000~26500      | 4.39           | -47.13       | <=-25.62    | PASS    |
| 2DH1     | Ant1    | 2402    | Reference       | 4.22           | 4.22         | ---         | PASS    |
|          |         |         | 30~1000         | 4.22           | -66.9        | <=-25.78    | PASS    |
|          |         |         | 1000~26500      | 4.22           | -42.78       | <=-25.78    | PASS    |
|          |         | 2441    | Reference       | 3.69           | 3.69         | ---         | PASS    |
|          |         |         | 30~1000         | 3.69           | -67.28       | <=-26.31    | PASS    |
|          |         |         | 1000~26500      | 3.69           | -45          | <=-26.31    | PASS    |
|          |         | 2480    | Reference       | 4.20           | 4.20         | ---         | PASS    |
|          |         |         | 30~1000         | 4.20           | -67.81       | <=-25.8     | PASS    |
|          |         |         | 1000~26500      | 4.20           | -44.62       | <=-25.8     | PASS    |
| 3DH1     | Ant1    | 2402    | Reference       | 4.35           | 4.35         | ---         | PASS    |
|          |         |         | 30~1000         | 4.35           | -66.63       | <=-25.65    | PASS    |
|          |         |         | 1000~26500      | 4.35           | -41.27       | <=-25.65    | PASS    |
|          |         | 2441    | Reference       | 3.63           | 3.63         | ---         | PASS    |
|          |         |         | 30~1000         | 3.63           | -67.3        | <=-26.37    | PASS    |
|          |         |         | 1000~26500      | 3.63           | -43.63       | <=-26.37    | PASS    |
|          |         | 2480    | Reference       | 4.15           | 4.15         | ---         | PASS    |
|          |         |         | 30~1000         | 4.15           | -67.66       | <=-25.85    | PASS    |
|          |         |         | 1000~26500      | 4.15           | -43.68       | <=-25.85    | PASS    |

## Test Graphs

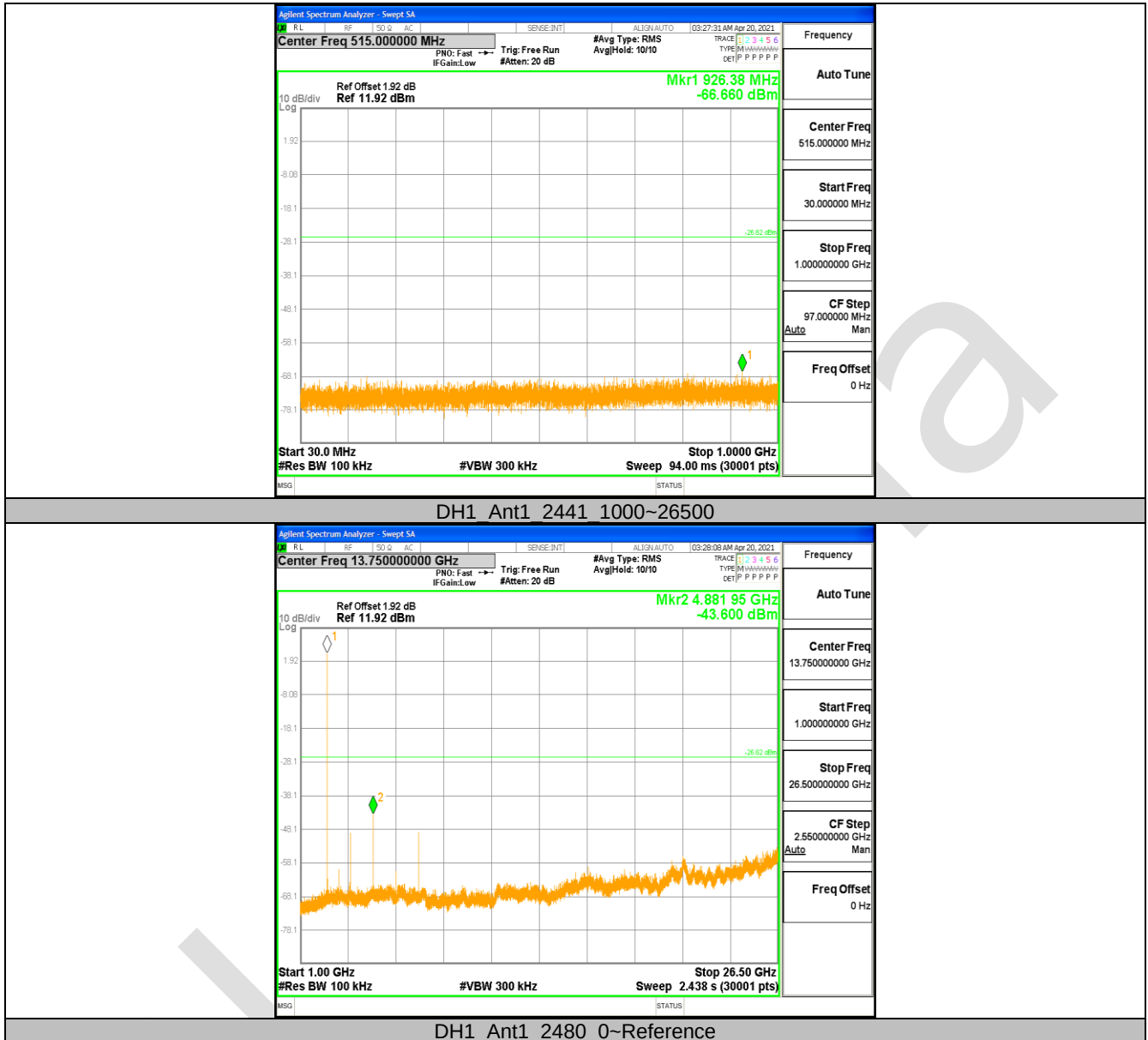


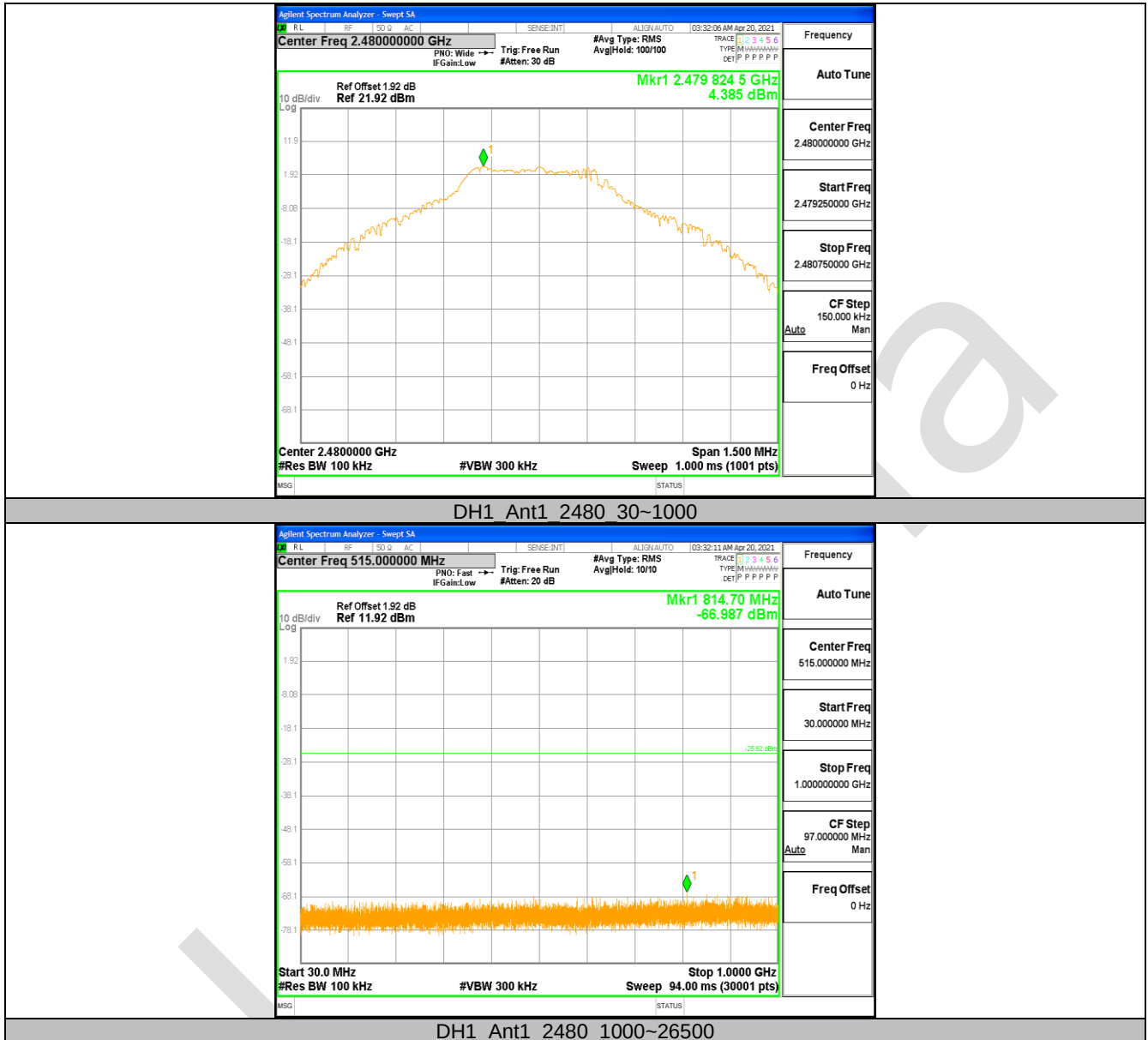


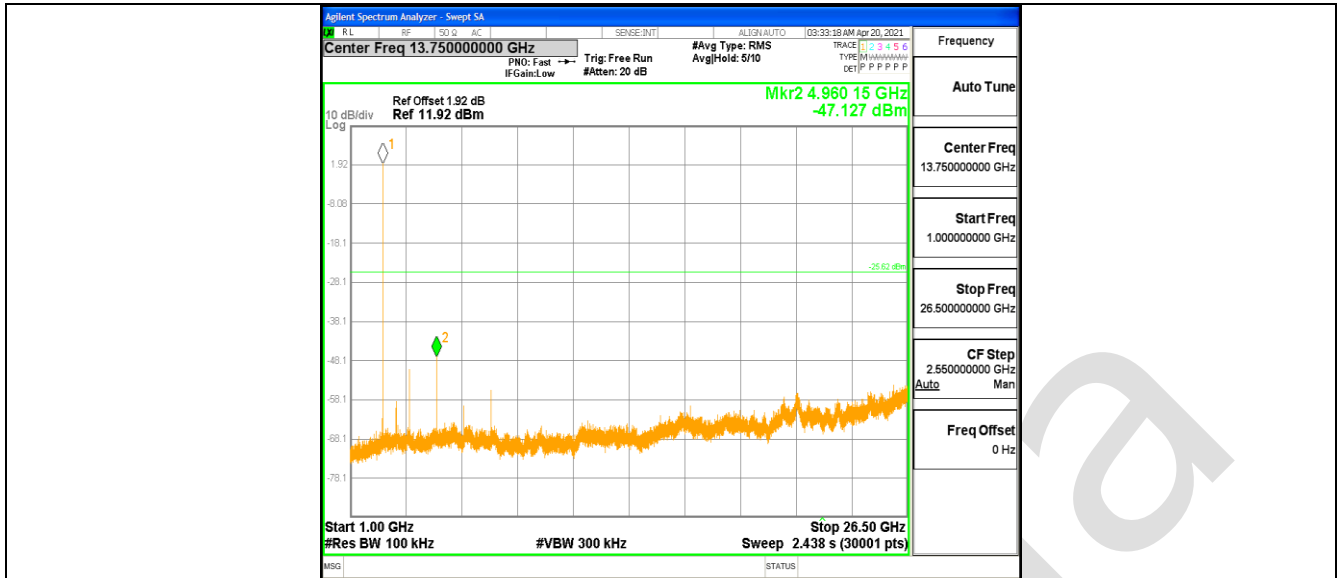
DH1\_Ant1\_2441\_0-Reference



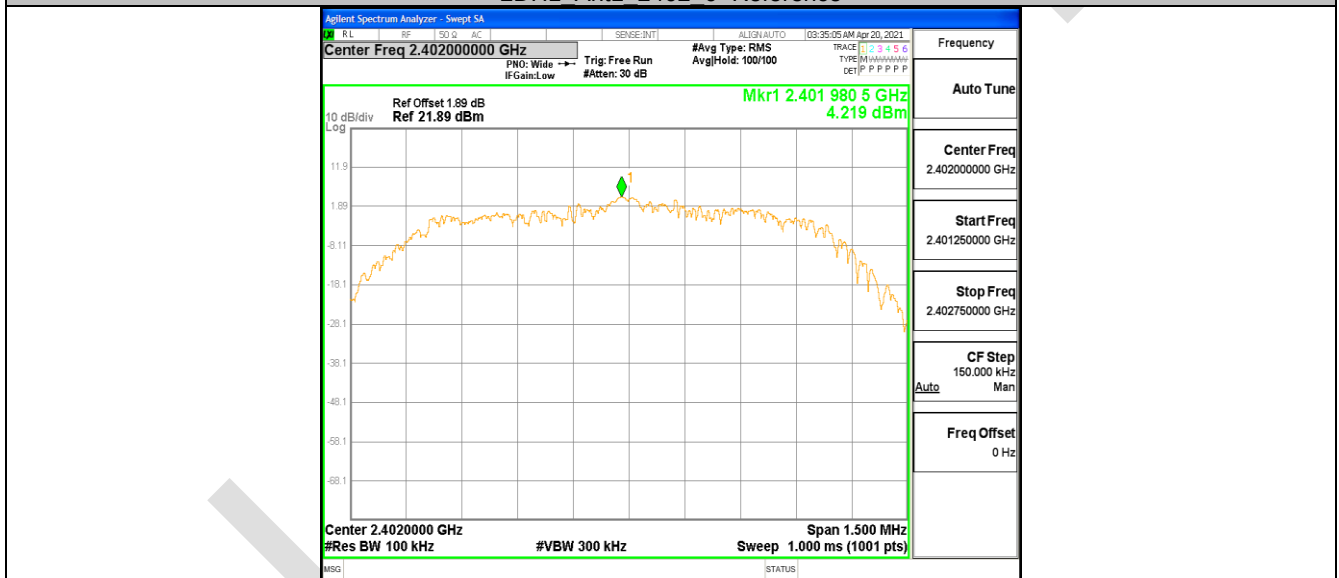
DH1\_Ant1\_2441\_30~1000



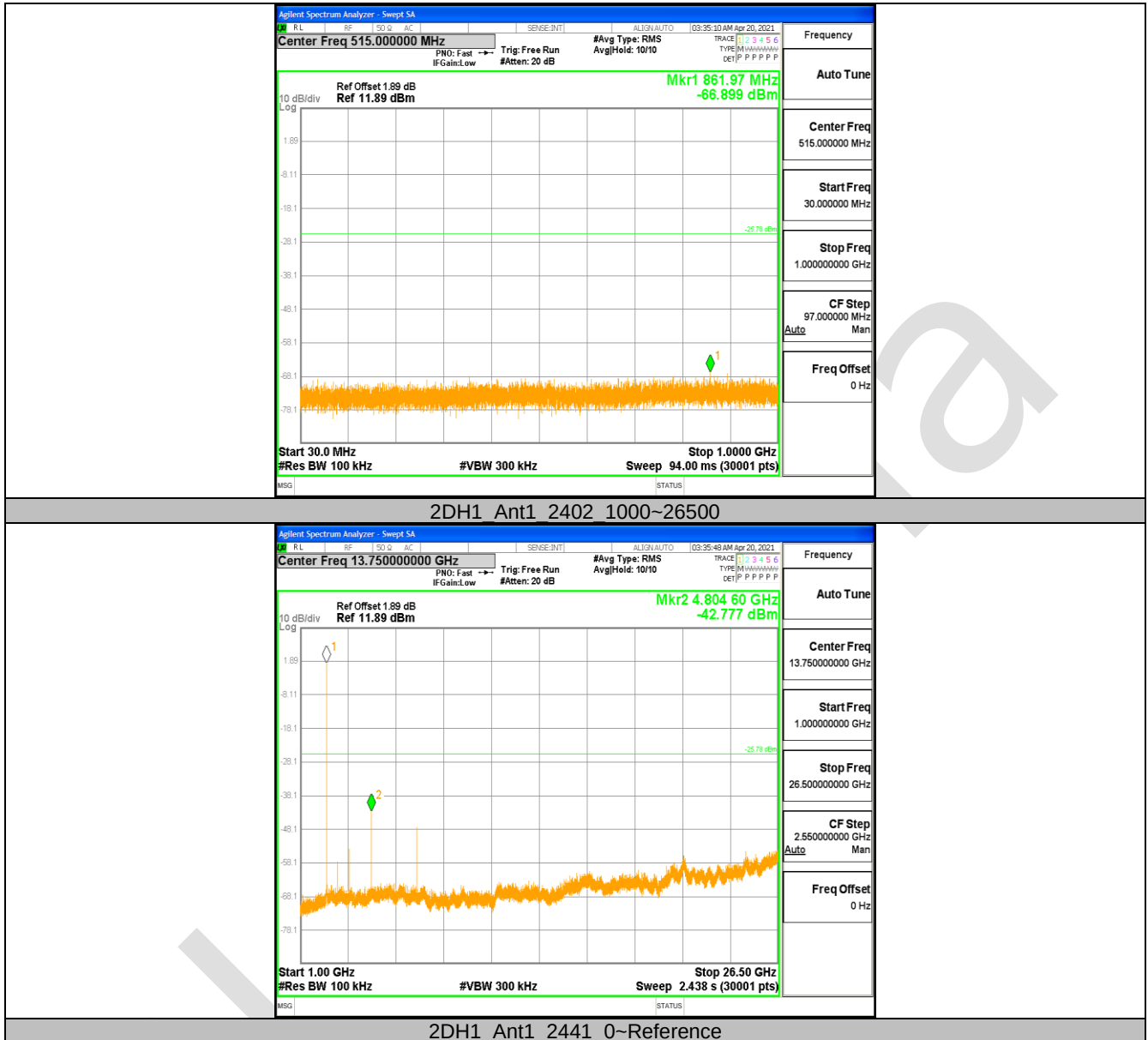


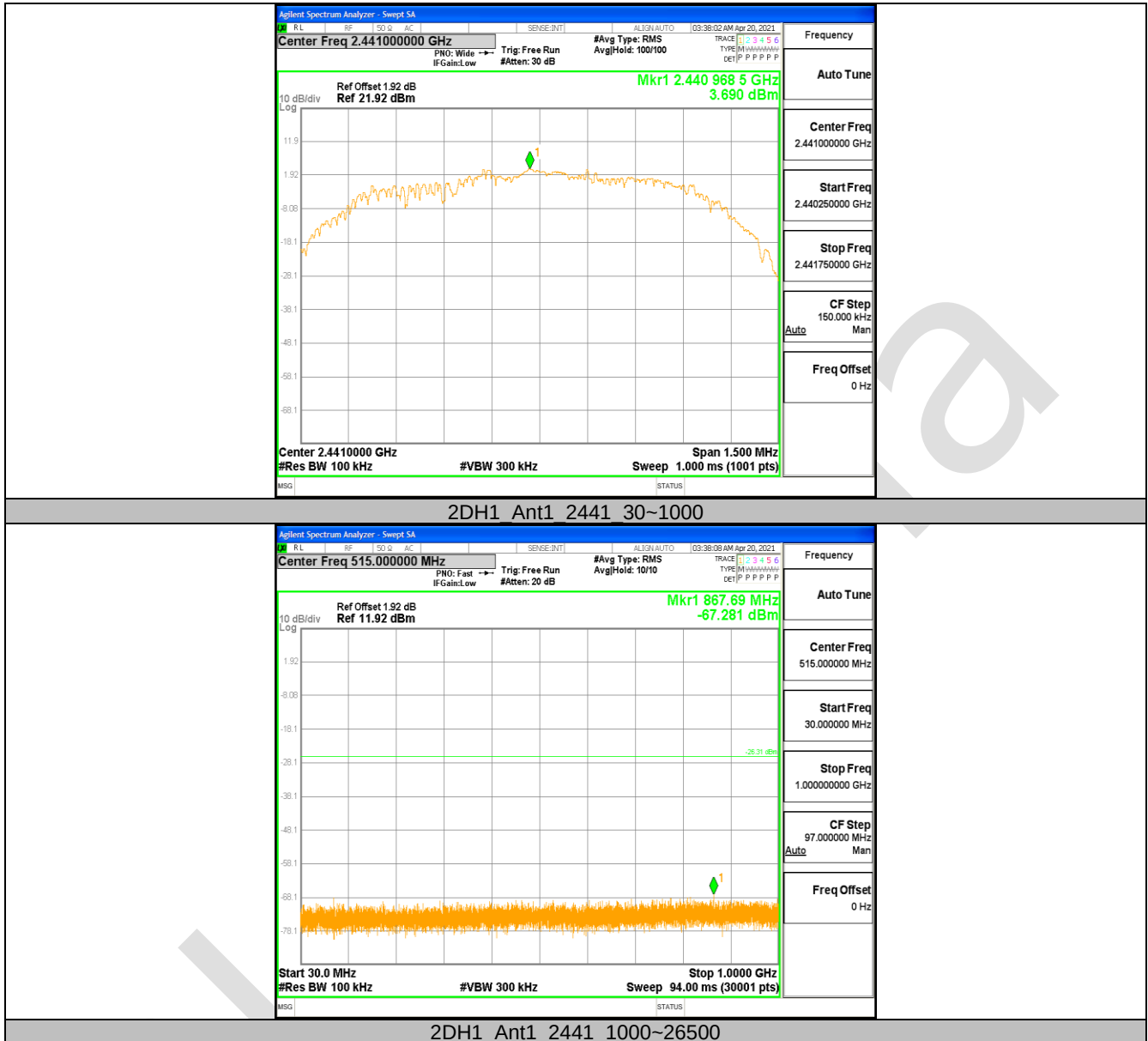


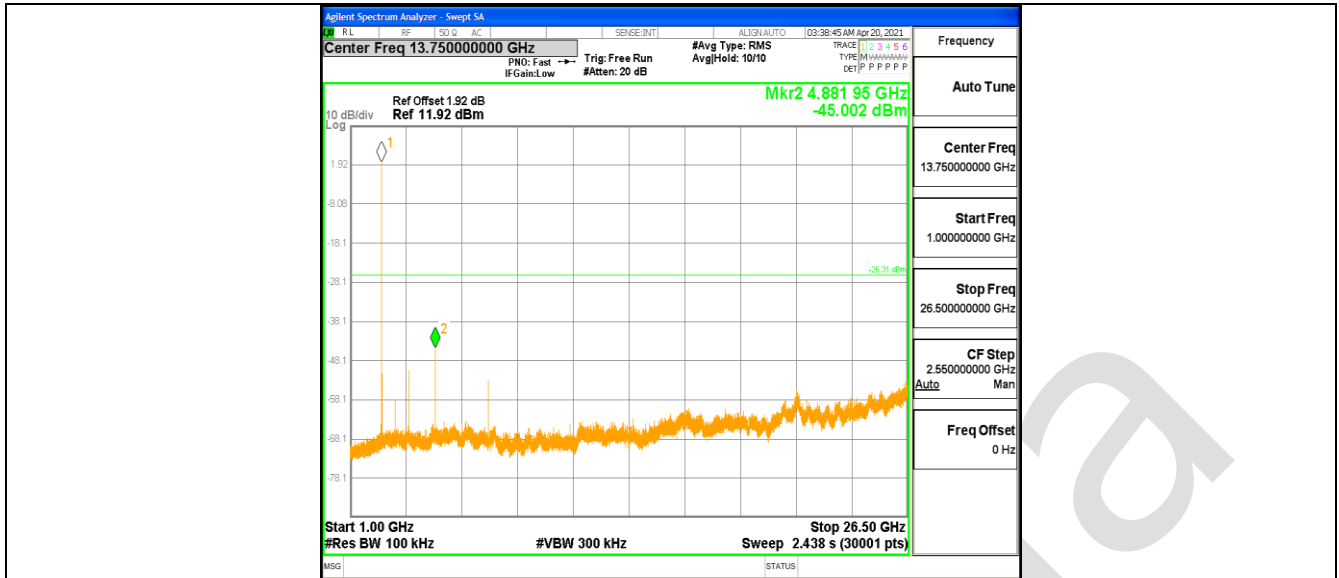
2DH1\_Ant1\_2402\_0~Reference



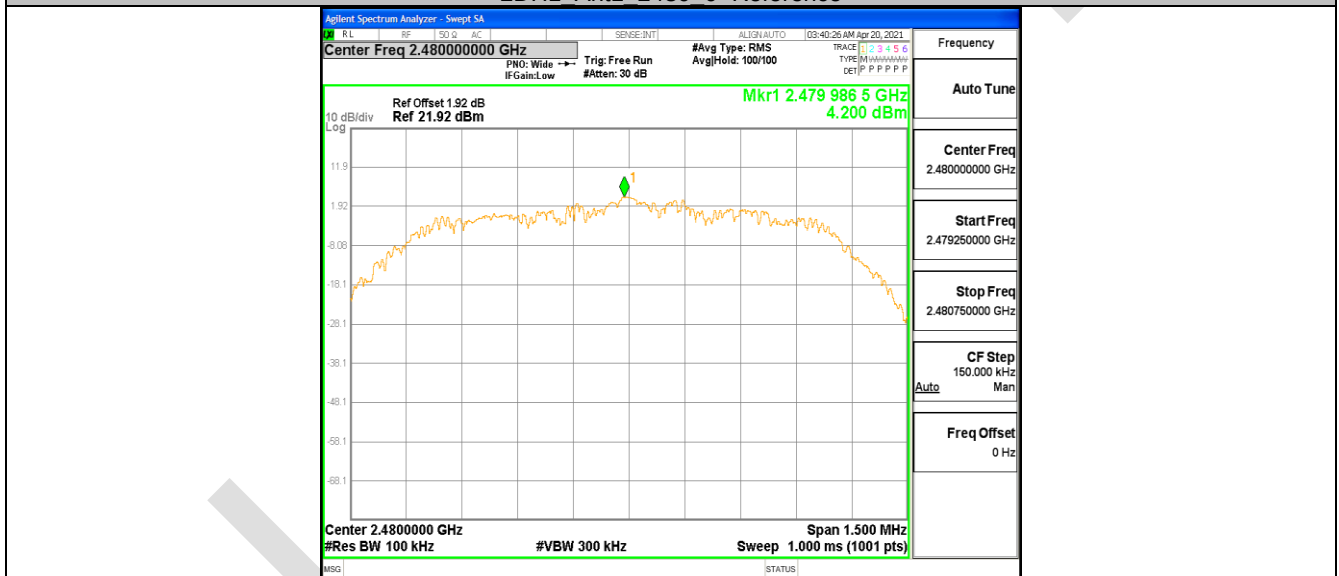
2DH1\_Ant1\_2402\_30~1000



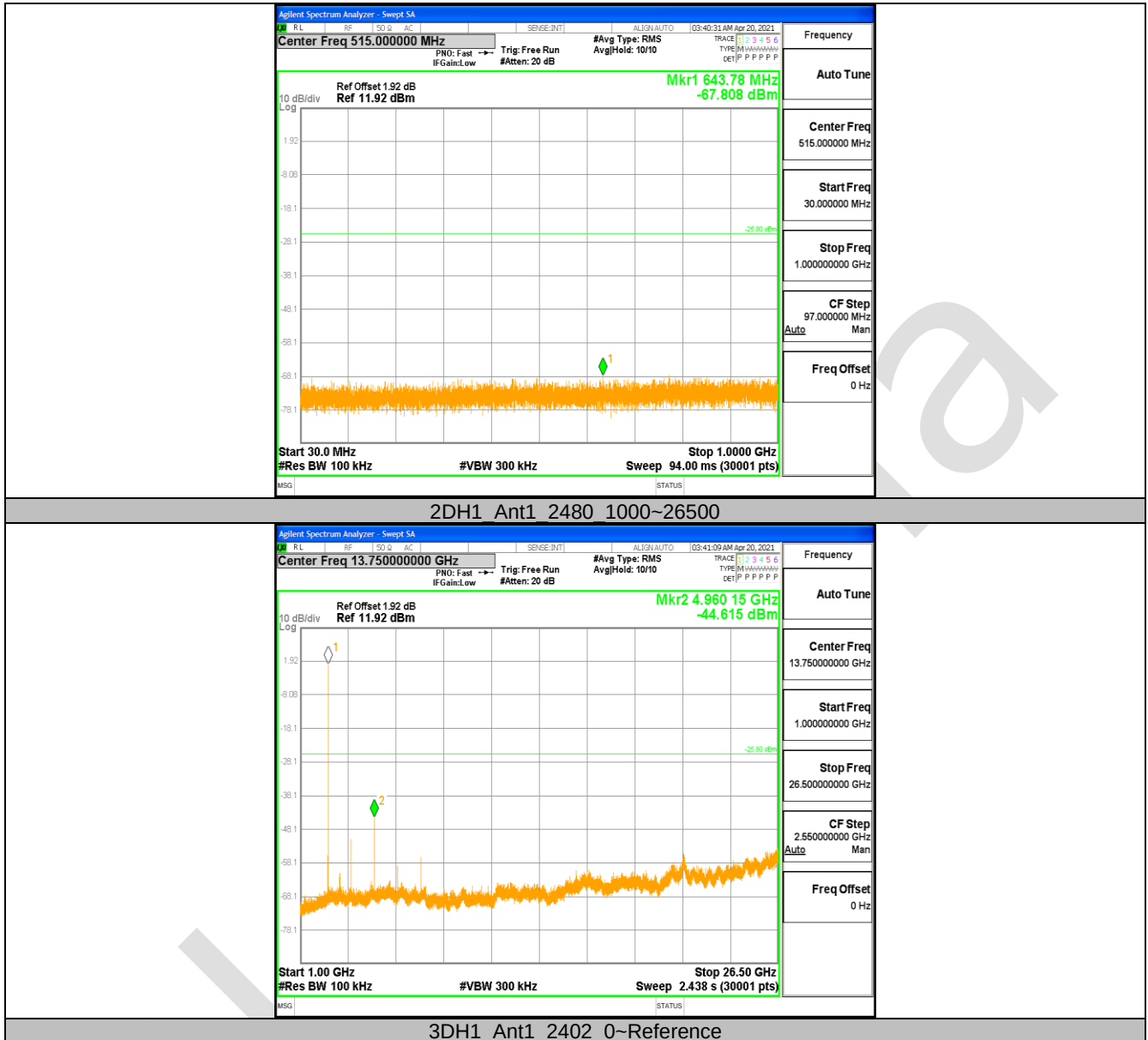


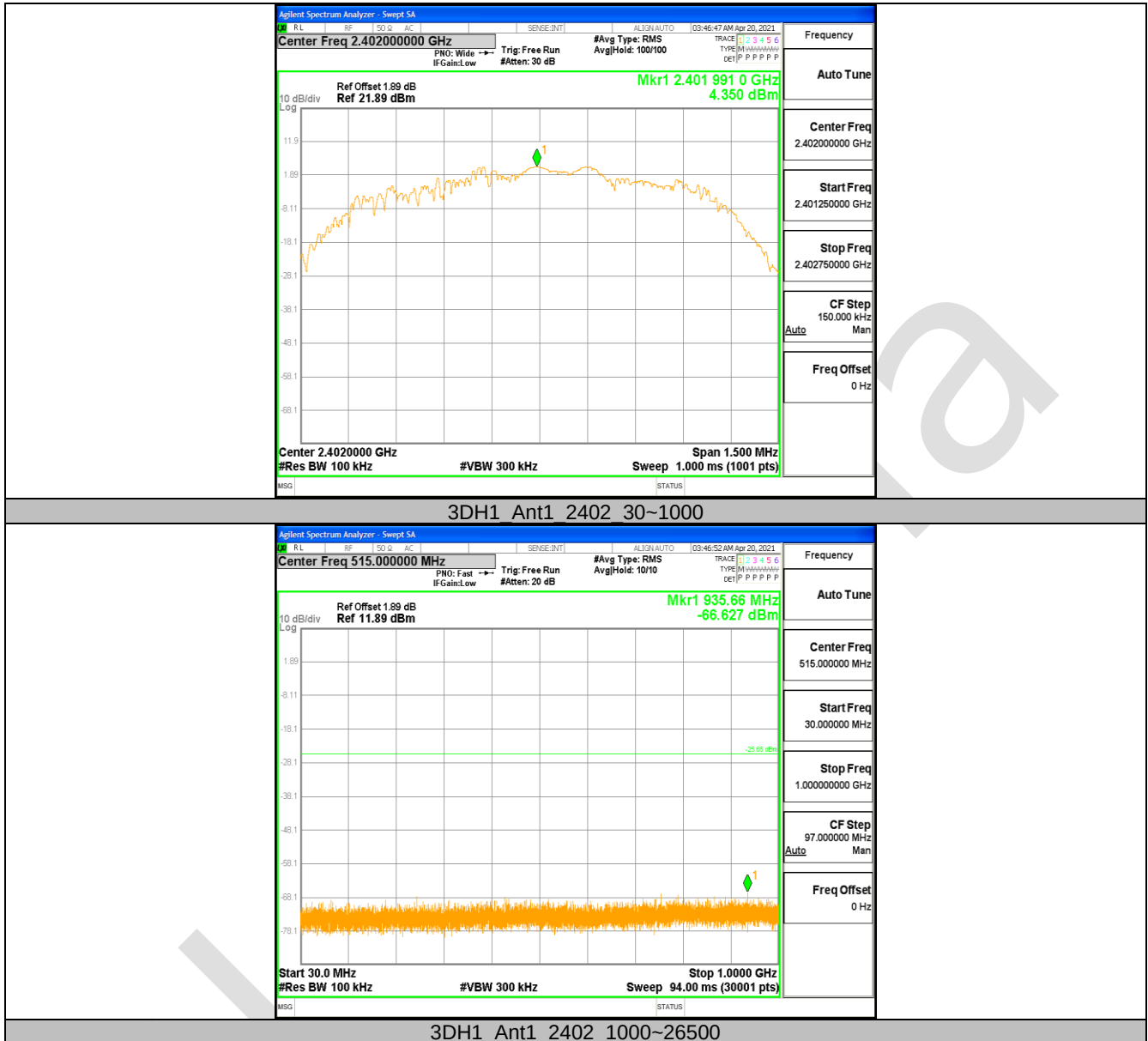


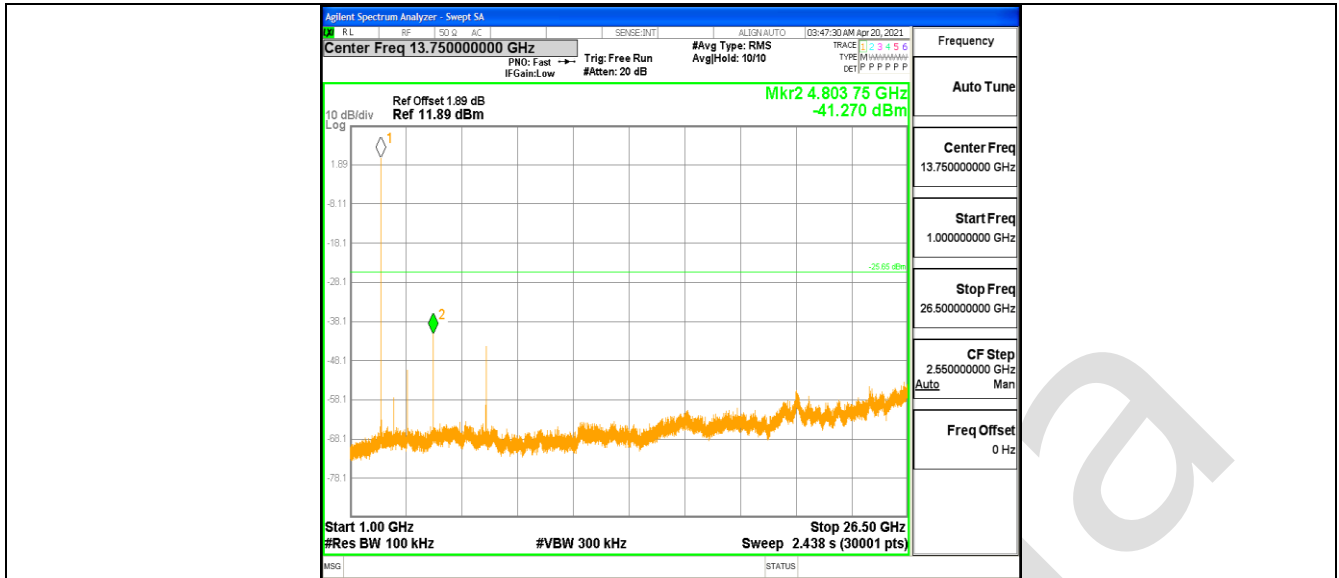
2DH1\_Ant1\_2480\_0~Reference



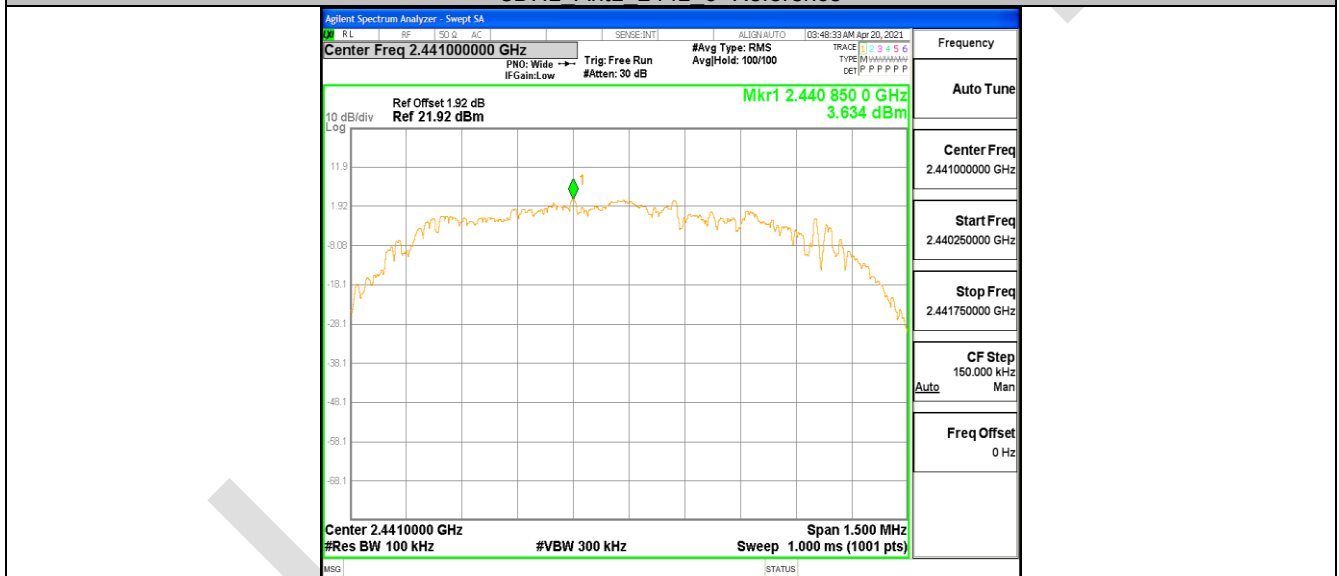
2DH1\_Ant1\_2480\_30~1000



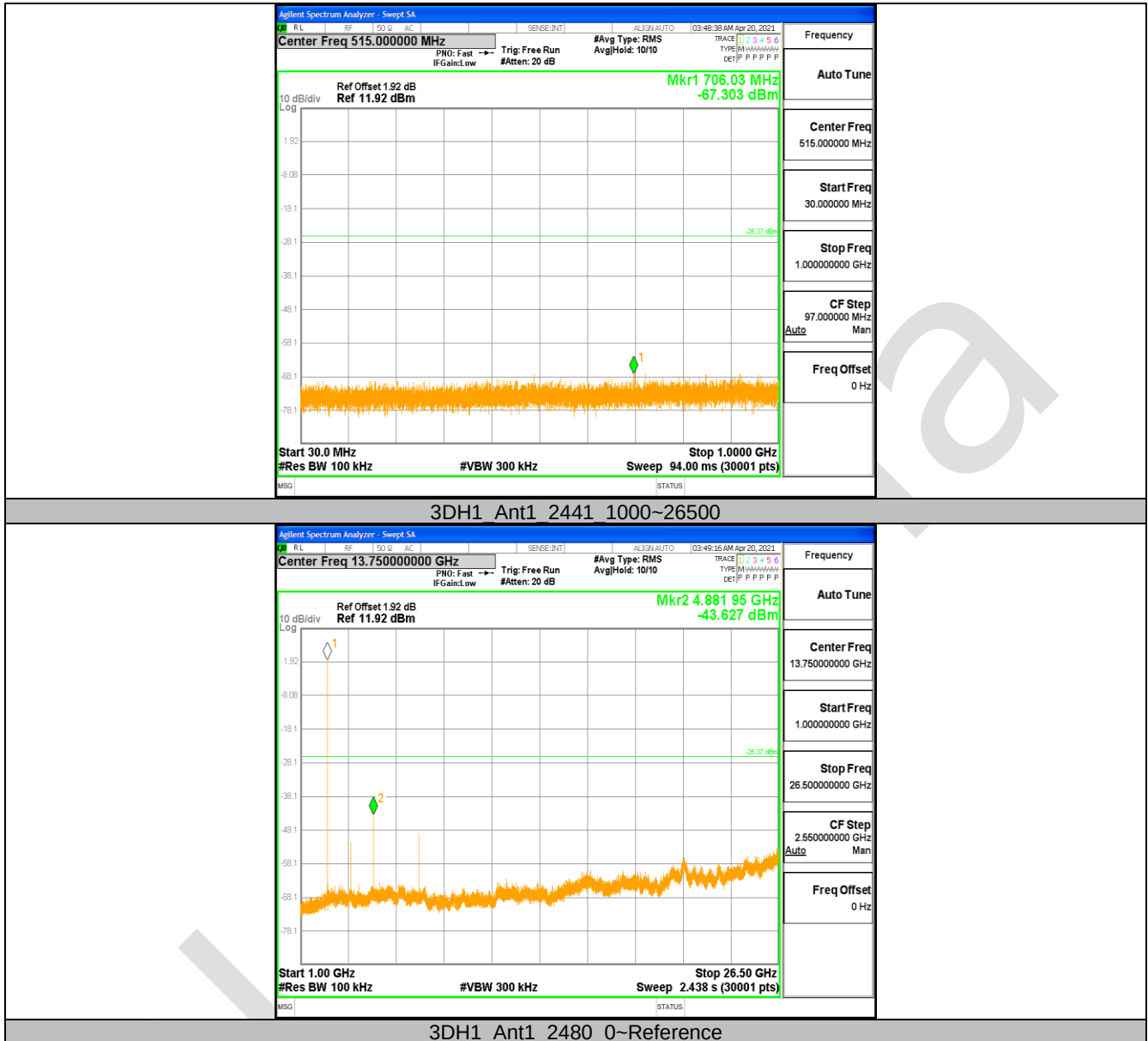


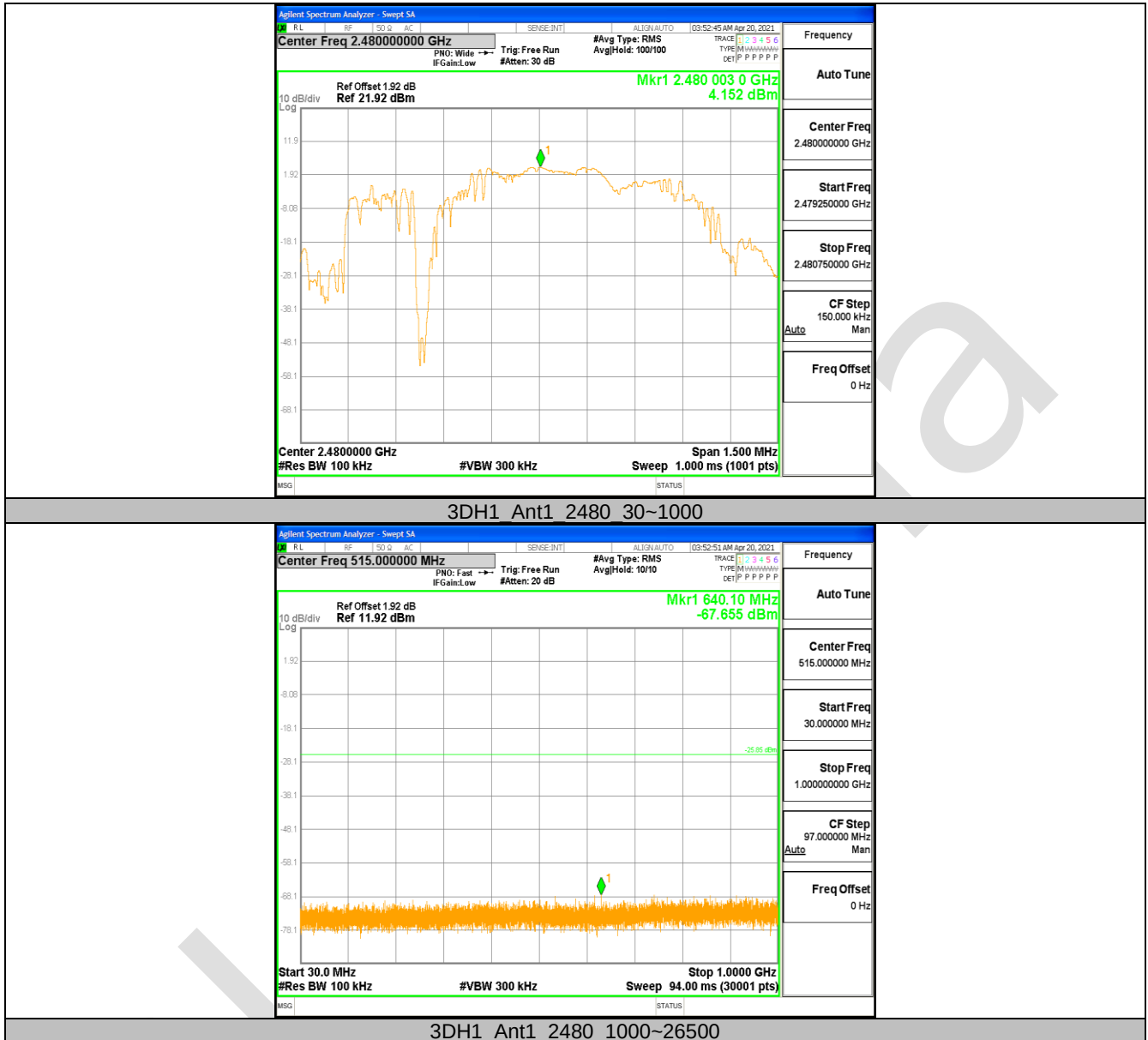


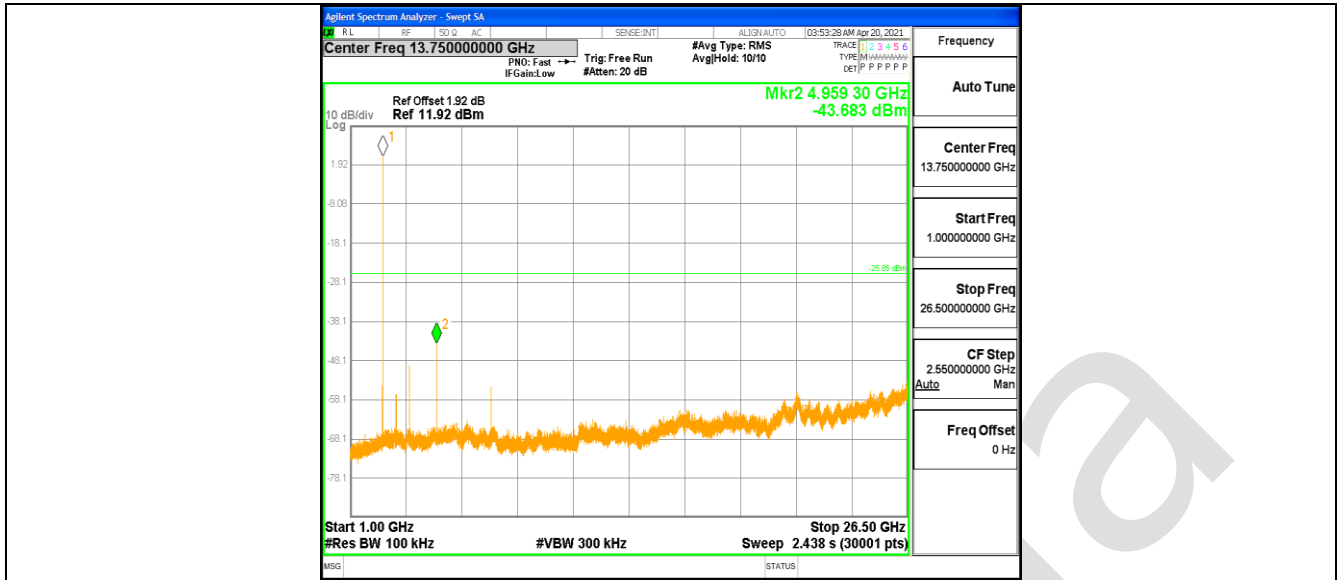
3DH1\_Ant1\_2441\_0~Reference



3DH1\_Ant1\_2441\_30~1000





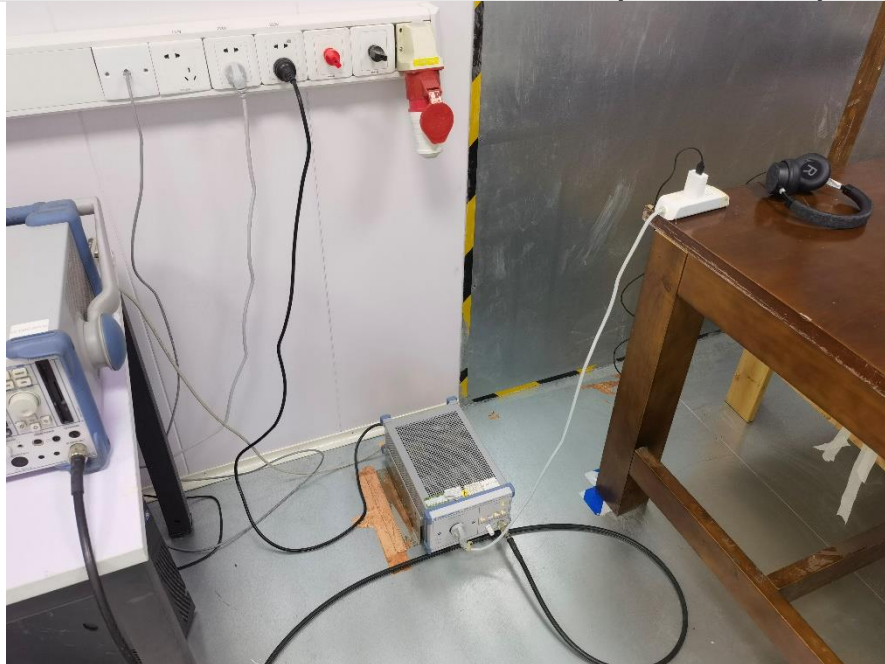


## APPENDIX A: PHOTOGRAPHS OF TEST SETUP

**Radiated Spurious Emissions**



### Conducted Emissions at AC Power Line (150kHz-30MHz)



**APPENDIX B: PHOTOGRAPHS OF EUT**

Reference to the test report No. BLA-EMC-202104-A0201

**----END OF REPORT----**

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