

## 10 APPENDIX

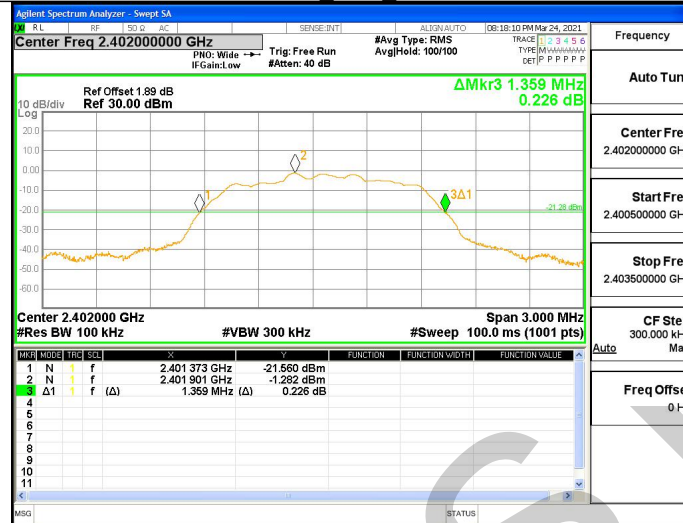
### 10.1 APPENDIX : 20DB EMISSION BANDWIDTH

#### Test Result

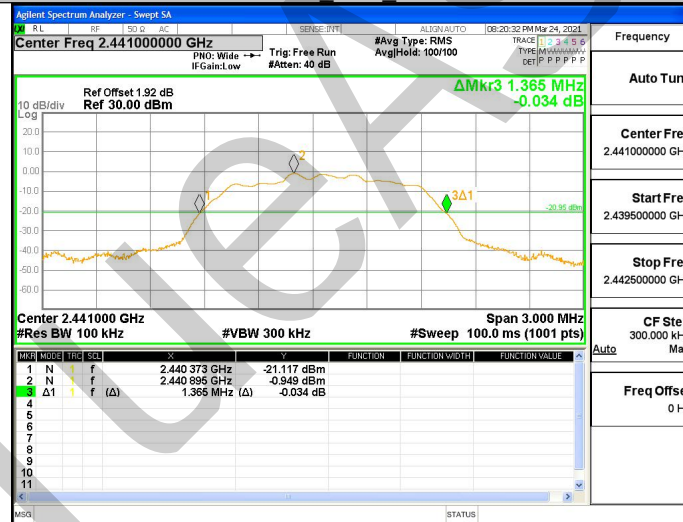
| TestMode | Antenna | Channel | 20db<br>EBW[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|---------|------------------|----------|----------|------------|---------|
| DH1      | Ant1    | 2402    | 1.098            | 2401.514 | 2402.612 | ---        | PASS    |
|          |         | 2441    | 1.107            | 2440.511 | 2441.618 | ---        | PASS    |
|          |         | 2480    | 1.098            | 2479.514 | 2480.612 | ---        | PASS    |
| 2DH1     | Ant1    | 2402    | 1.359            | 2401.373 | 2402.732 | ---        | PASS    |
|          |         | 2441    | 1.365            | 2440.373 | 2441.738 | ---        | PASS    |
|          |         | 2480    | 1.359            | 2479.376 | 2480.735 | ---        | PASS    |
| 3DH1     | Ant1    | 2402    | 1.332            | 2401.400 | 2402.732 | ---        | PASS    |
|          |         | 2441    | 1.332            | 2440.403 | 2441.735 | ---        | PASS    |
|          |         | 2480    | 1.332            | 2479.403 | 2480.735 | ---        | PASS    |



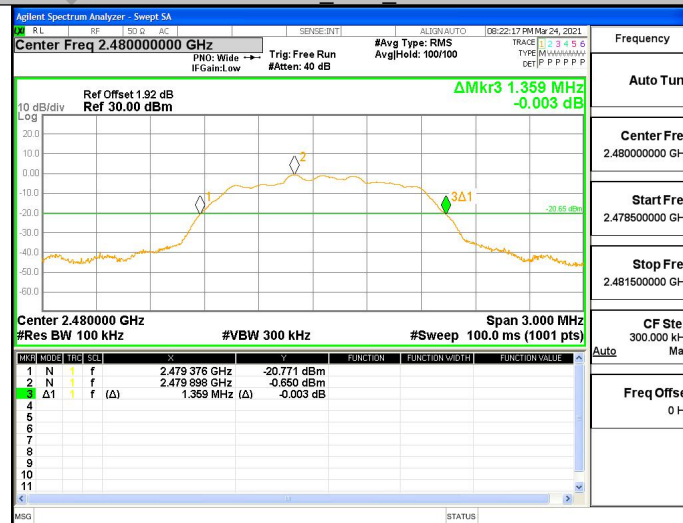
### 2DH1\_Ant1\_2402



### 2DH1\_Ant1\_2441



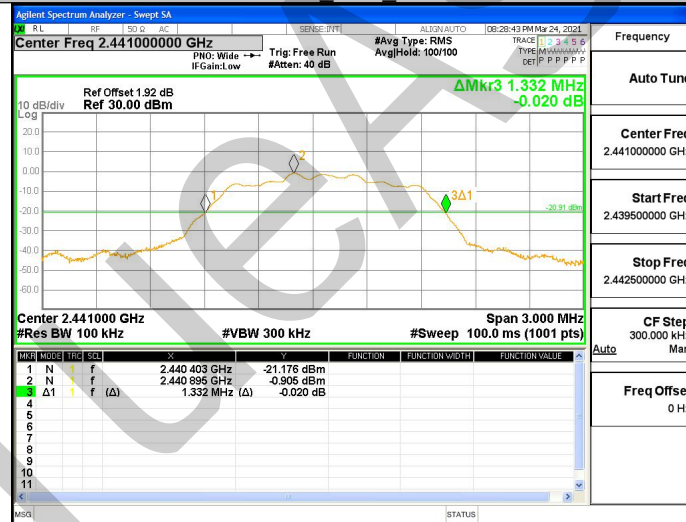
### 2DH1\_Ant1\_2480



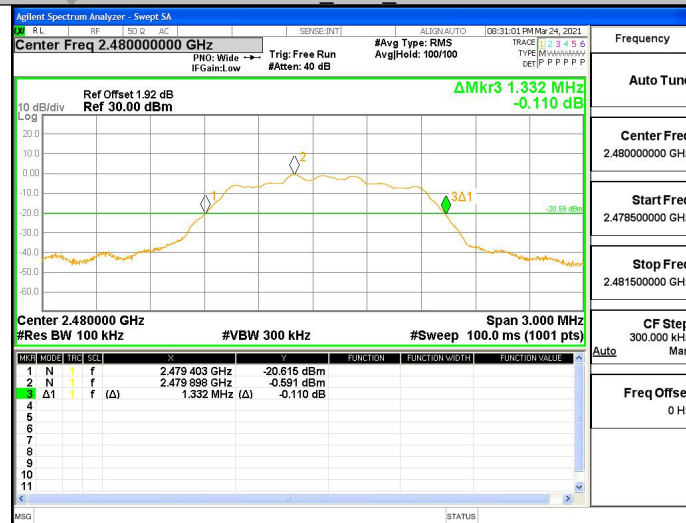
### 3DH1\_Ant1\_2402



### 3DH1\_Ant1\_2441



### 3DH1\_Ant1\_2480



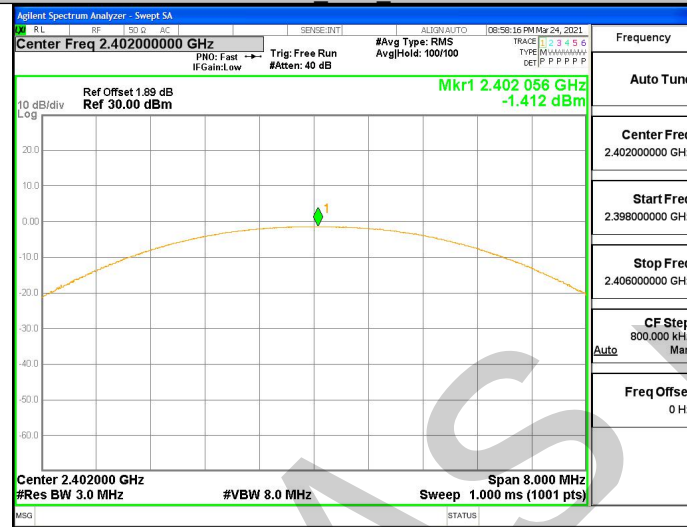
## 10.2 APPENDIX : MAXIMUM CONDUCTED OUTPUT POWER

### Test Result

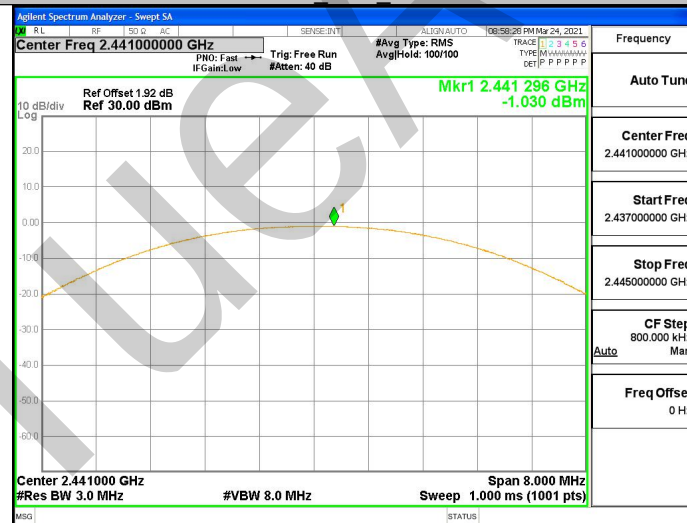
| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| DH1      | Ant1    | 2402    | -1.41       | <=20.97    | PASS    |
|          |         | 2441    | -1.03       | <=20.97    | PASS    |
|          |         | 2480    | -0.71       | <=20.97    | PASS    |
| 2DH1     | Ant1    | 2402    | 0.22        | <=20.97    | PASS    |
|          |         | 2441    | 0.69        | <=20.97    | PASS    |
|          |         | 2480    | 1.01        | <=20.97    | PASS    |
| 3DH1     | Ant1    | 2402    | 0.82        | <=20.97    | PASS    |
|          |         | 2441    | 1.21        | <=20.97    | PASS    |
|          |         | 2480    | 1.55        | <=20.97    | PASS    |

## Test Graphs

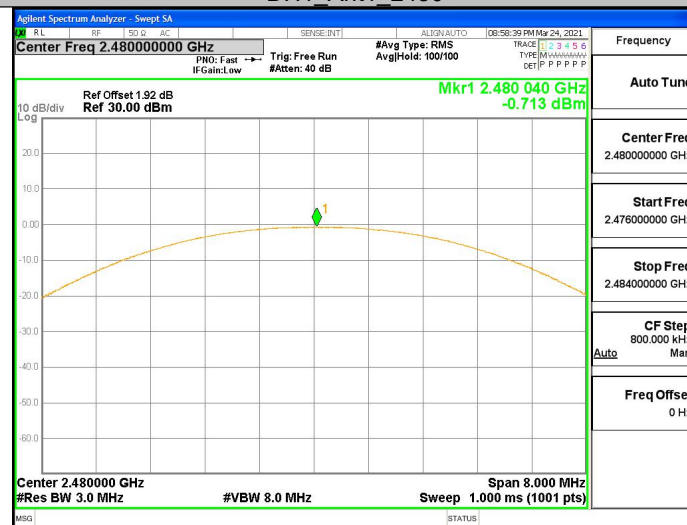
DH1 Ant1 2402



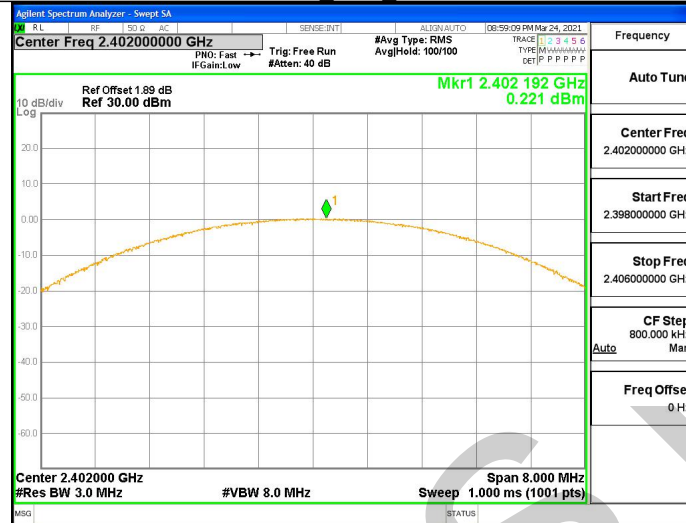
DH1 Ant1 2441



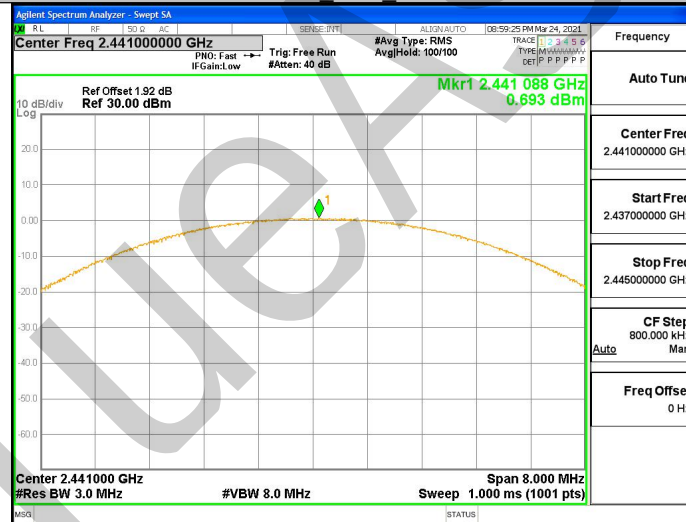
DH1 Ant1 2480



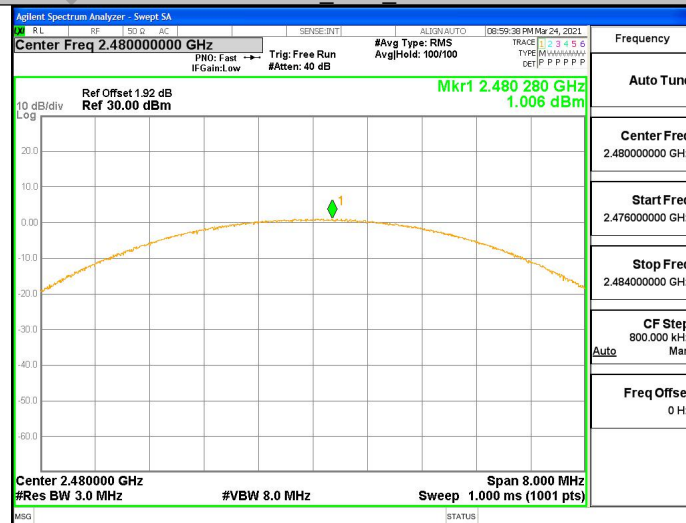
### 2DH1\_Ant1\_2402



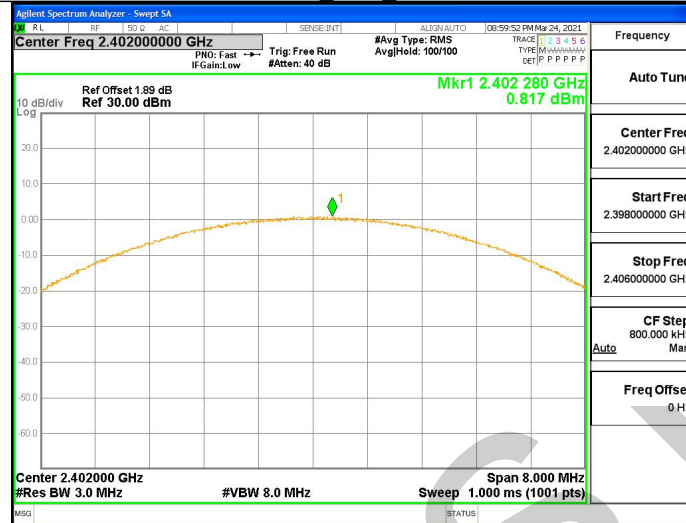
### 2DH1\_Ant1\_2441



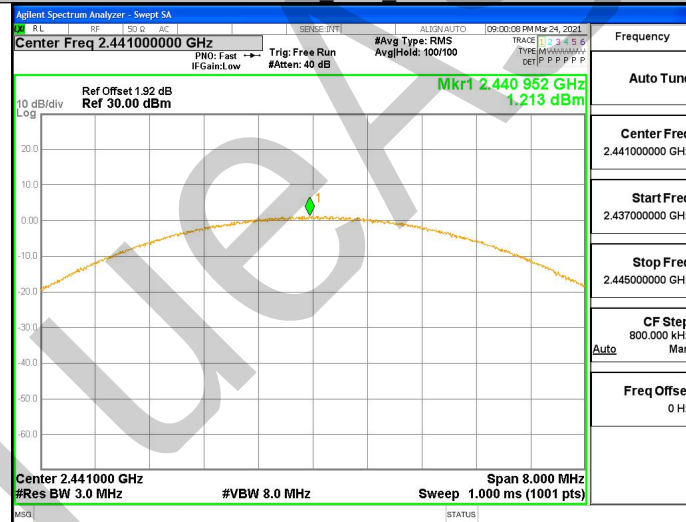
### 2DH1\_Ant1\_2480



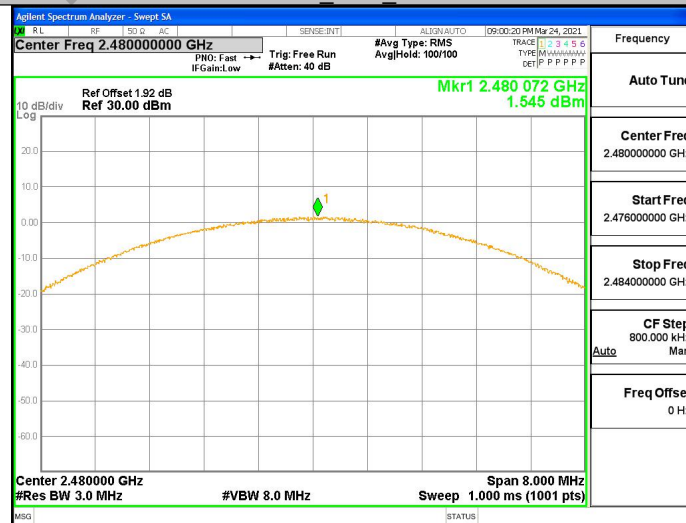
### 3DH1\_Ant1\_2402



### 3DH1\_Ant1\_2441



### 3DH1\_Ant1\_2480

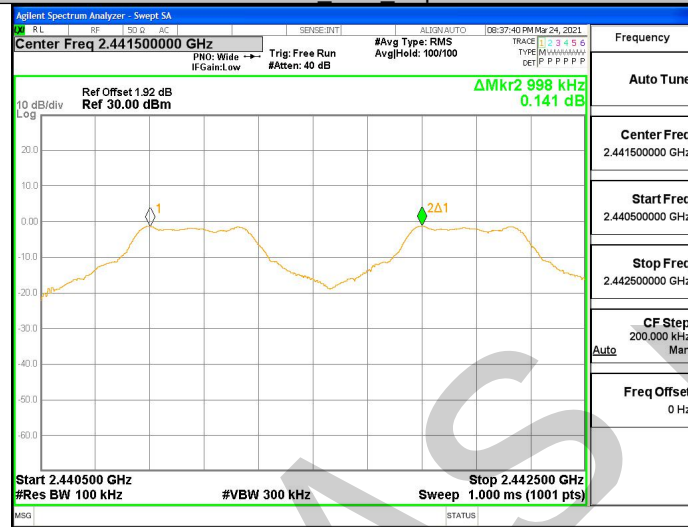


**10.3 APPENDIX : CARRIER FREQUENCY SEPARATION****Test Result**

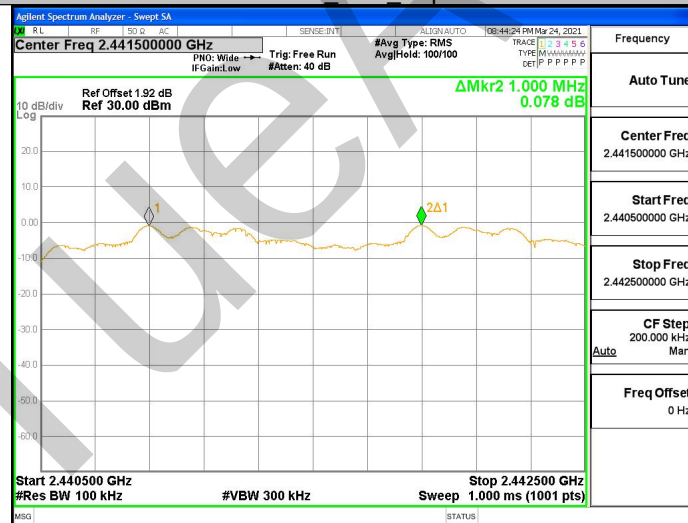
| TestMode | Antenna | Channel | Result[MHz] | Limit[MHz]   | Verdict |
|----------|---------|---------|-------------|--------------|---------|
| DH1      | Ant1    | Hop     | 0.998       | $\geq 0.738$ | PASS    |
| 2DH1     | Ant1    | Hop     | 1           | $\geq 0.910$ | PASS    |
| 3DH1     | Ant1    | Hop     | 1.002       | $\geq 0.888$ | PASS    |

## Test Graphs

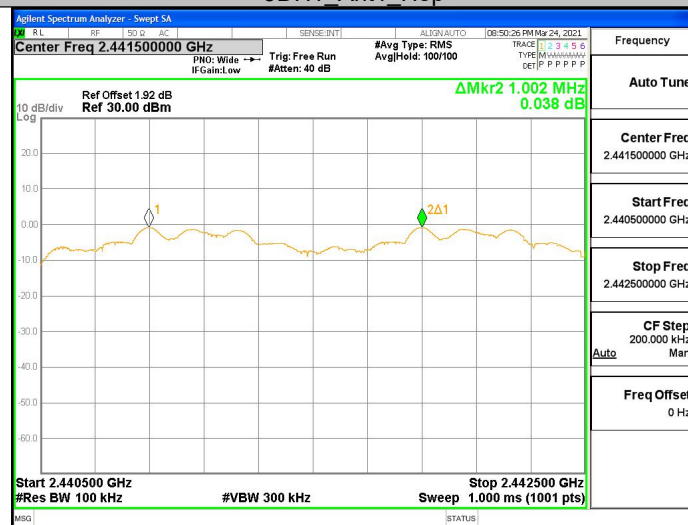
DH1 Ant1 Hop



2DH1 Ant1 Hop



3DH1 Ant1 Hop



## 10.4 APPENDIX : TIME OF OCCUPANCY

### Test Result

| Frequency | Packet          | Dwell time(ms) | Limit(ms) | Result |
|-----------|-----------------|----------------|-----------|--------|
| 2441MHz   | DH1/2-DH1/3-DH1 | 121.600        | 400       | Pass   |
| 2441MHz   | DH3/2-DH3/3-DH3 | 262.400        | 400       | Pass   |
| 2441MHz   | DH5/2-DH5/3-DH5 | 307.200        | 400       | Pass   |

The test period:  $T = 0.4 \text{ Second/Channel} \times 79 \text{ Channel} = 31.6 \text{ s}$

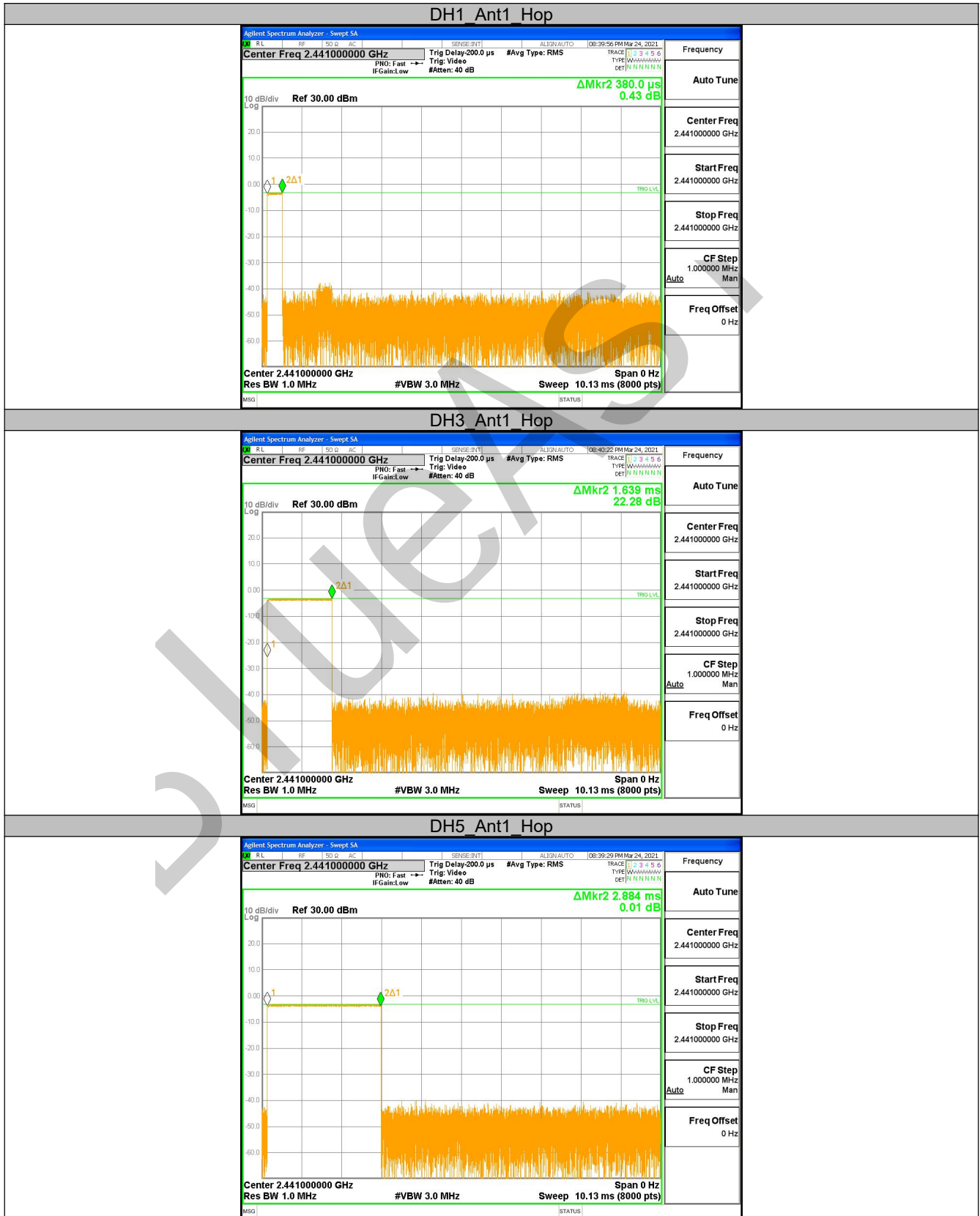
Test channel: 2441MHz as blow

DH1/2-DH1/3-DH1 time slot =  $0.38 \text{ (ms)} \times (1600 / (2 \times 79)) \times 31.6 = 121.600 \text{ ms}$

DH3/2-DH3/3-DH3 time slot =  $1.64 \text{ (ms)} \times (1600 / (4 \times 79)) \times 31.6 = 262.400 \text{ ms}$

DH5/2-DH5/3-DH5 time slot =  $2.88 \text{ (ms)} \times (1600 / (6 \times 79)) \times 31.6 = 307.200 \text{ ms}$

## Test Graphs

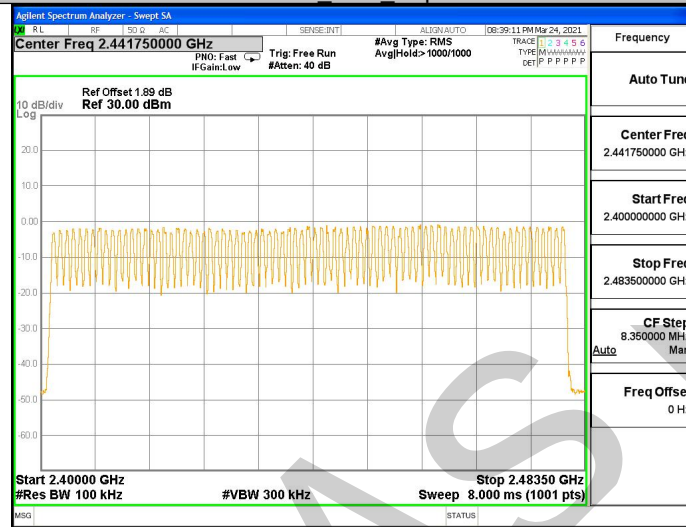


**10.5 APPENDIX F: NUMBER OF HOPPING CHANNELS****Test Result**

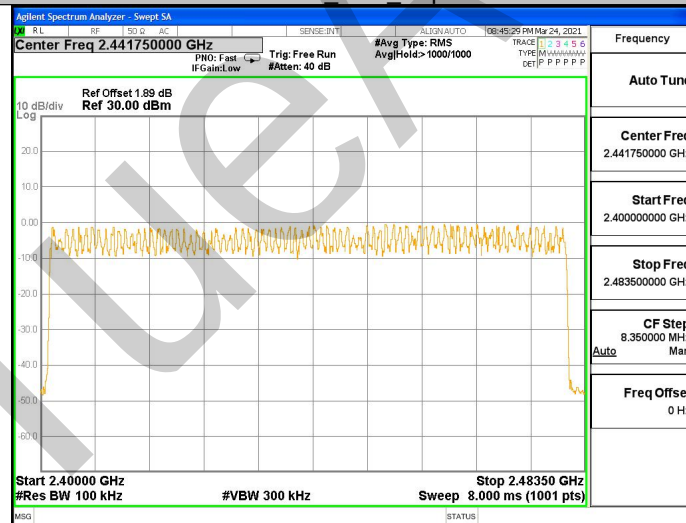
| TestMode | Antenna | Channel | Result[Num] | Limit[Num] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| DH1      | Ant1    | Hop     | 79          | $\geq 15$  | PASS    |
| 2DH1     | Ant1    | Hop     | 79          | $\geq 15$  | PASS    |
| 3DH1     | Ant1   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

## Test Graphs

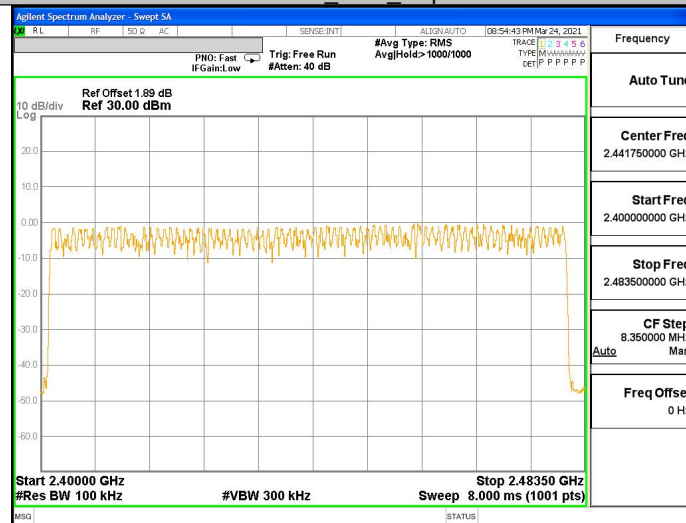
DH1 Ant1 Hop



2DH1 Ant1 Hop



3DH1 Ant1 Hop



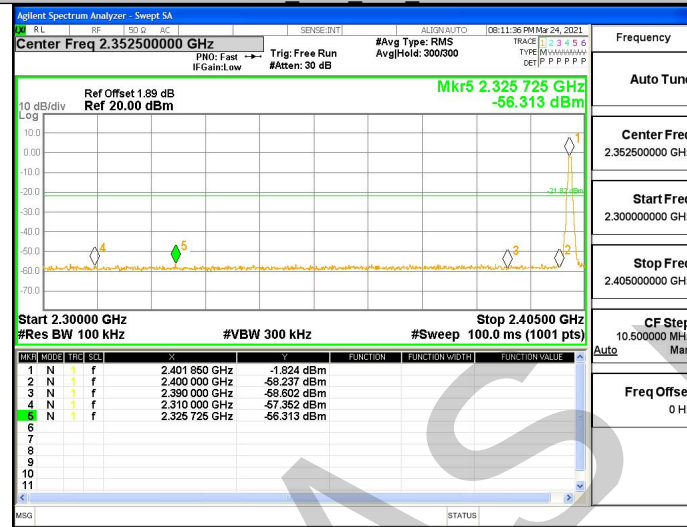
## 10.6 APPENDIX : BAND EDGE MEASUREMENTS

### Test Result

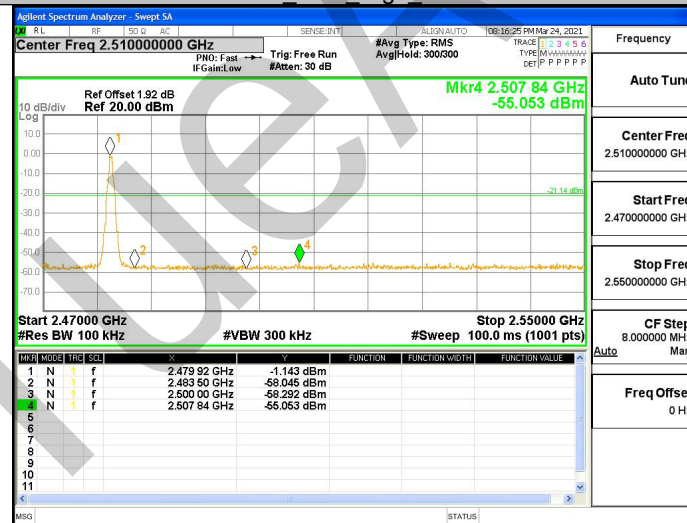
| TestMode | Antenna | ChName | Channel  | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|----------|----------------|--------------|-------------|---------|
| DH1      | Ant1    | Low    | 2402     | -1.82          | -56.31       | <=-21.82    | PASS    |
|          |         | High   | 2480     | -1.14          | -55.05       | <=-21.14    | PASS    |
|          |         | Low    | Hop_2402 | -2.39          | -55.9        | -22.39      | PASS    |
|          |         | High   | Hop_2480 | -1.42          | -55.16       | -21.42      | PASS    |
| 2DH1     | Ant1    | Low    | 2402     | -1.44          | -55.86       | <=-21.44    | PASS    |
|          |         | High   | 2480     | -0.67          | -55.3        | <=-20.67    | PASS    |
|          |         | Low    | Hop_2402 | -1.51          | -56.24       | -21.51      | PASS    |
|          |         | High   | Hop_2480 | -0.74          | -55.51       | -20.74      | PASS    |
| 3DH1     | Ant1    | Low    | 2402     | -1.38          | -55.15       | <=-21.38    | PASS    |
|          |         | High   | 2480     | -0.64          | -55.04       | <=-20.64    | PASS    |
|          |         | Low    | Hop_2402 | -2.18          | -55.81       | -22.18      | PASS    |
|          |         | High   | Hop_2480 | -0.69          | -54.92       | -20.69      | PASS    |

## Test Graphs

DH1 Ant1 Low 2402



DH1 Ant1 High 2480



DH1 Ant1 Low Hop 2402

