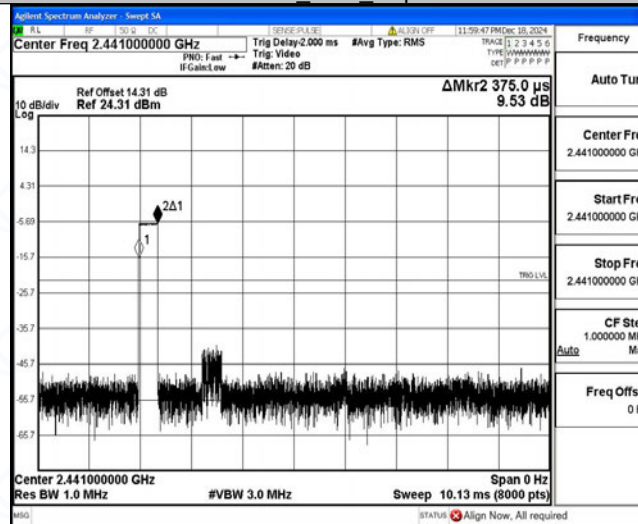


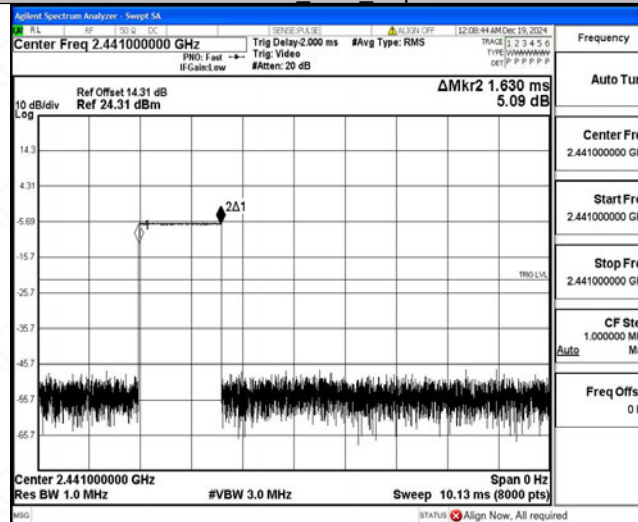


## Test Graphs

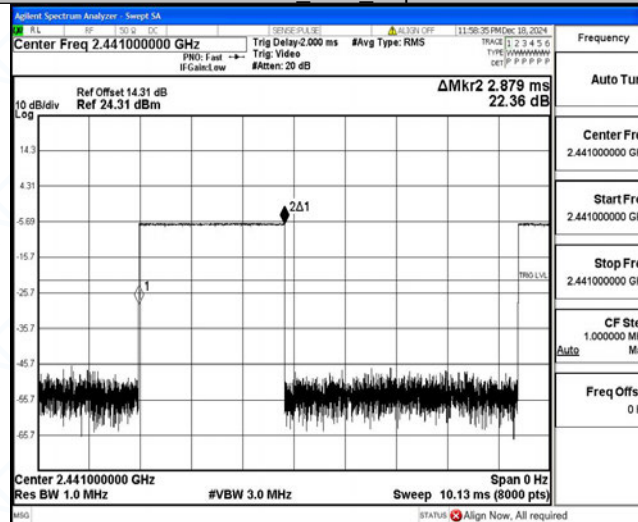
DH1\_Ant1\_Hop



DH3\_Ant1\_Hop



DH5\_Ant1\_Hop





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Rohde & Schwarz Spectrum Analyzer  
 Center Freq 2.441000000 GHz  
 Ref Offset 14.31 dB  
 Ref 24.31 dBm  
 Trg Delay 2.000 ms  
 Trg: Video  
 #Atten: 20 dB  
 #Avg Type: RMS  
 Delta Mkr2 384.0  $\mu$ s  
 -0.06 dB  
 10 dBdiv  
 Log  
 14.31  
 -5.08  
 -15.7  
 -25.7  
 -35.7  
 -45.7  
 -55.7  
 -65.7  
 Center 2.441000000 GHz  
 Res BW 1.0 MHz  
 #VBW 3.0 MHz  
 Span 0 Hz  
 Sweep 10.13 ms (8000 pts)  
 STATUS Align Now; All required

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.441000000 GHz    Trig Delay 2.000 ms    #Avg Type: RMS    12:19:53 AM Dec 19, 2014

PRO: Fast    IF Gain: Low    #Atten: 20 dB    TRIG: 1 2 3 4 5 6    TYPE: WWWWWWW    SET: P P P P P

10 dBdiv    Ref Offset 14.31 dB    ΔMkr2 1.637 ms    Auto Tuning    Center Freq 2.441000000 GHz

Log    Ref 24.31 dBm    9.58 dB    Start Freq 2.441000000 GHz

14.3    4.31    -5.68    -15.7    -25.7    -35.7    -45.7    -55.7    -65.7

1    ΔΔ1    TRIG LVL

Center 2.441000000 GHz    Res BW 1.0 MHz    #VBW 3.0 MHz    Span 0 Hz    Sweep 10.13 ms (8000 pts)

MSO:    STATUS: Align Now, All required

Agilent Spectrum Analyzer - Sweet SA

Center Freq 2.441000000 GHz

Trig Delay: 0.000 ms #Avg Type: RMS

PRB: 1 and IF Gain: 0.00 #Atten: 20 dB

Ref Offset: 14.31 dB Ref 24.31 dBm

$\Delta Mkr2$  2.884 ms 0.07 dB

10 dB/div Log

14.3

4.31

-5.69

-15.7

-25.7

-35.7

-45.7

-55.7

-65.7

TH0 LVS

Center Freq 2.441000000 GHz

Start Freq 2.441000000 GHz

Stop Freq 2.441000000 GHz

CF Span 1.000000 MHz

Auto M

Freq Offset 0

Center 2.441000000 GHz

Res BW 1.0 MHz

#VBW 3.0 MHz

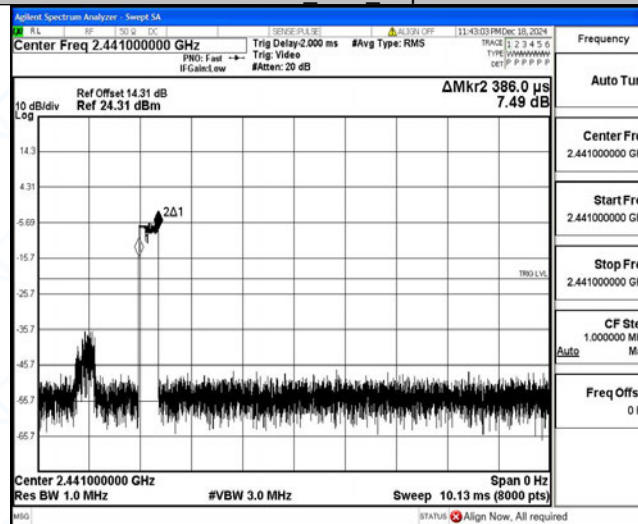
Sweep 10.13 ms (8000 pts)

Span 0 Hz

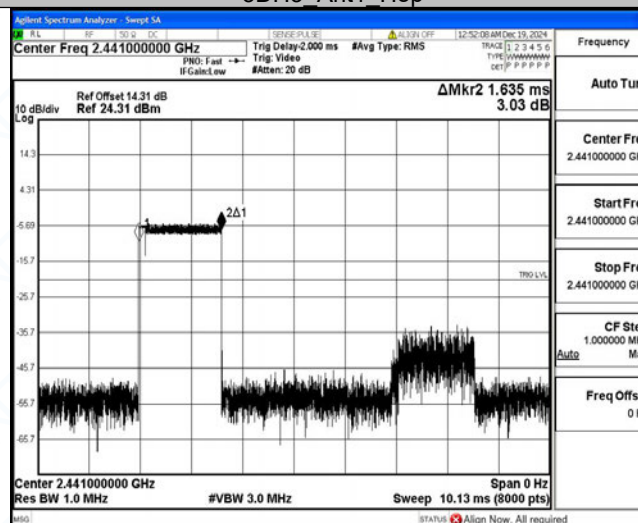
STATUS All on Now All on hold



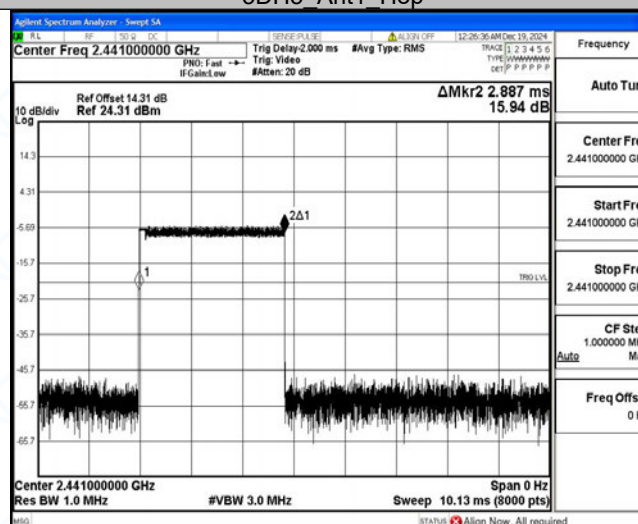
## 3DH1\_Ant1\_Hop



## 3DH3\_Ant1\_Hop



## 3DH5\_Ant1\_Hop





Appendix F: Number of hopping channels

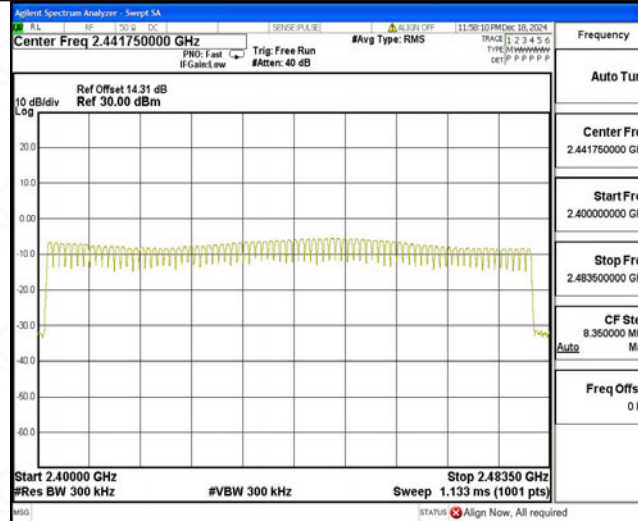
Test Result

| TestMode | Antenna | Freq(MHz) | Result[Num] | Limit[Num] | Verdict |
|----------|---------|-----------|-------------|------------|---------|
| DH5      | Ant1    | Hop       | 79          | ≥15        | PASS    |
| 2DH5     | Ant1    | Hop       | 79          | ≥15        | PASS    |
| 3DH5     | Ant1    | Hop       | 79          | ≥15        | PASS    |

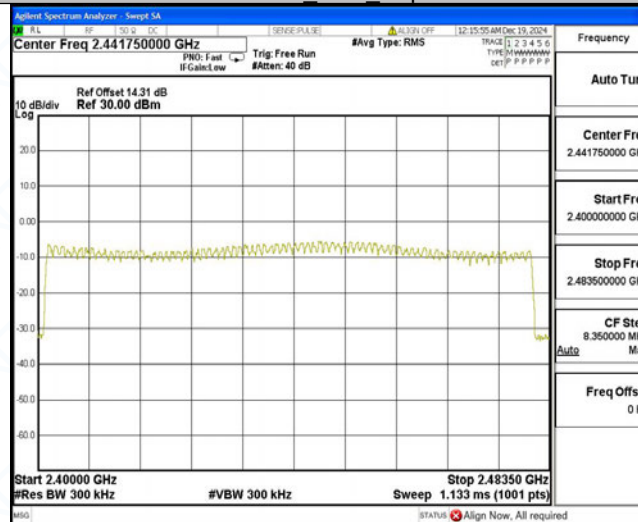


## Test Graphs

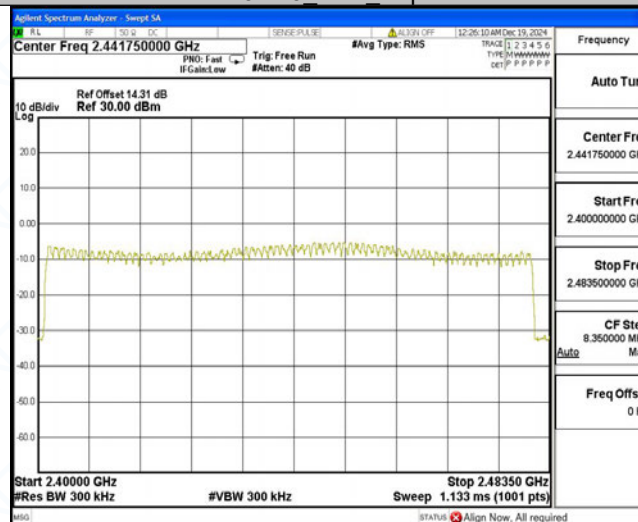
DH5\_Ant1\_Hop



2DH5\_Ant1\_Hop



3DH5\_Ant1\_Hop





Appendix F: Band edge measurements

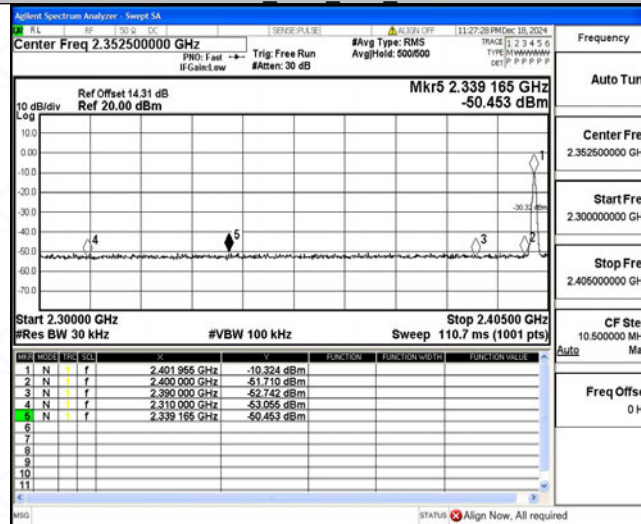
Test Result

| TestMode | Antenna | ChName | Freq(MHz) | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|-----------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | Low    | 2402      | -10.32         | -50.45       | ≤-30.32     | PASS    |
|          |         | High   | 2480      | -11.97         | -49.32       | ≤-31.97     | PASS    |
|          |         | Low    | Hop_2402  | -10.71         | -50.27       | ≤-30.71     | PASS    |
|          |         | High   | Hop_2480  | -11.37         | -49.57       | ≤-31.37     | PASS    |
| 2DH5     | Ant1    | Low    | 2402      | -10.49         | -49.45       | ≤-30.49     | PASS    |
|          |         | High   | 2480      | -14.30         | -49.68       | ≤-34.3      | PASS    |
|          |         | Low    | Hop_2402  | -11.89         | -50.71       | ≤-31.89     | PASS    |
|          |         | High   | Hop_2480  | -11.94         | -49.76       | ≤-31.94     | PASS    |
| 3DH5     | Ant1    | Low    | 2402      | -9.31          | -49.95       | ≤-29.31     | PASS    |
|          |         | High   | 2480      | -16.08         | -50.14       | ≤-36.08     | PASS    |
|          |         | Low    | Hop_2402  | -11.61         | -49.66       | ≤-31.61     | PASS    |
|          |         | High   | Hop_2480  | -10.86         | -49.97       | ≤-30.86     | PASS    |

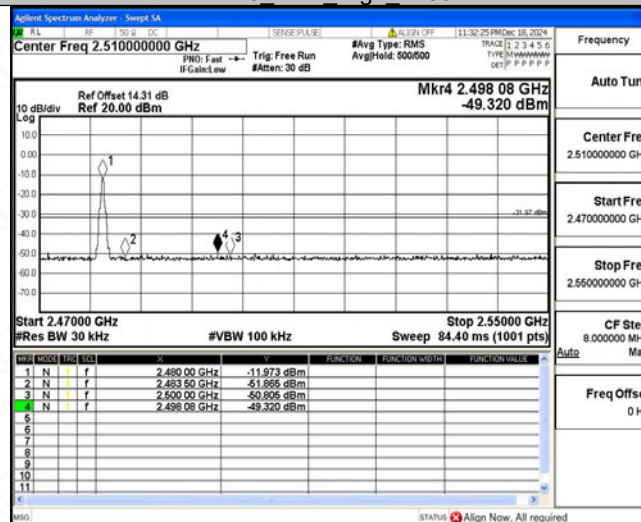


## Test Graphs

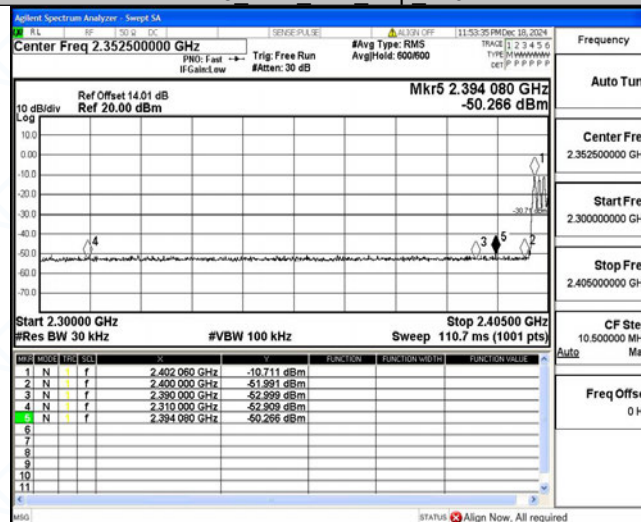
DH5\_Ant1\_Low\_2402



DH5\_Ant1\_High\_2480

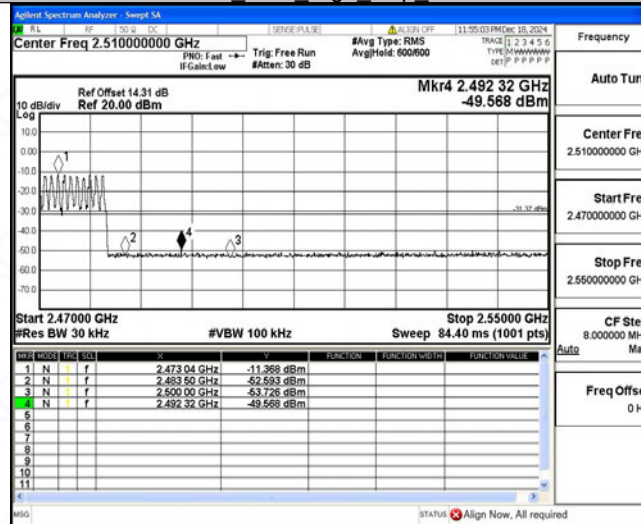


DH5\_Ant1\_Low\_Hop\_2402

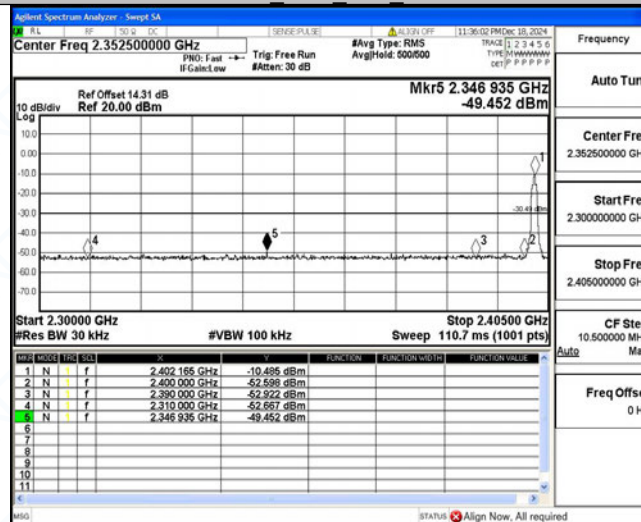




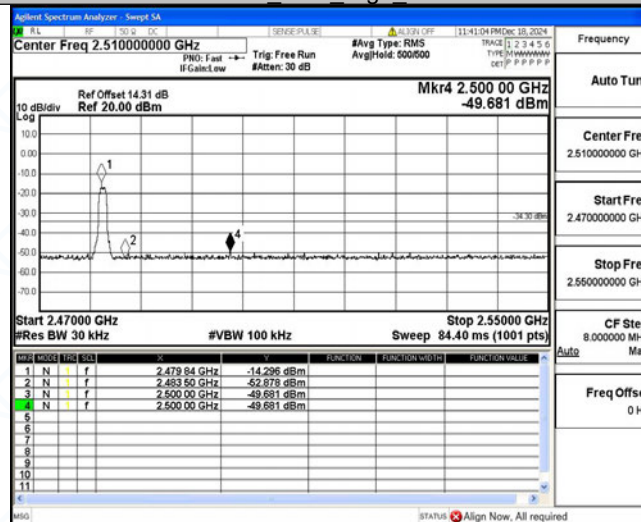
## DH5\_Ant1\_High\_Hop\_2480



## 2DH5\_Ant1\_Low\_2402

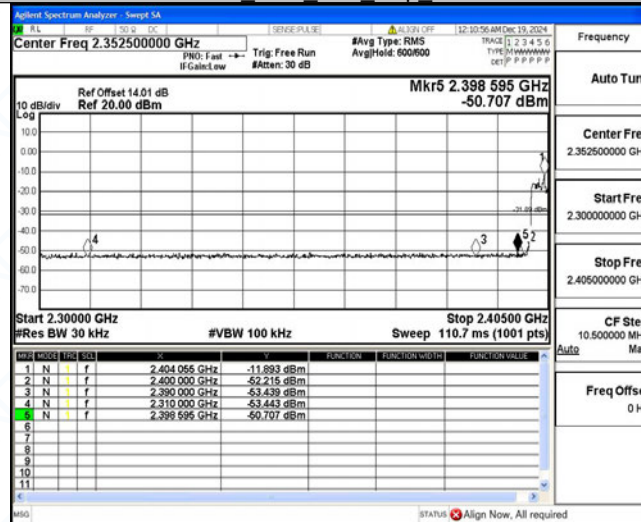


## 2DH5\_Ant1\_High\_2480

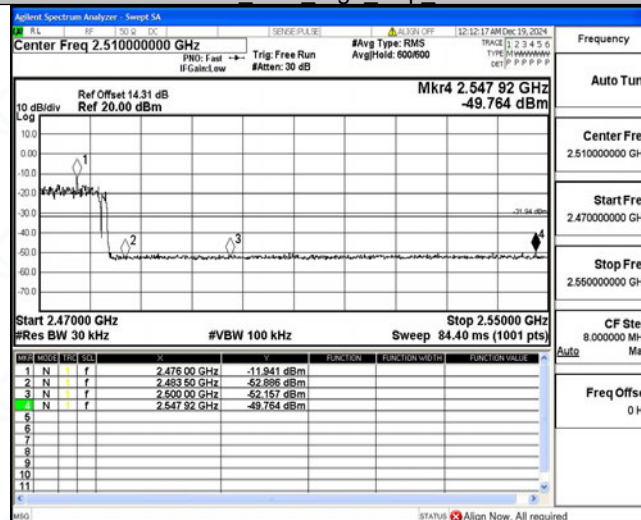




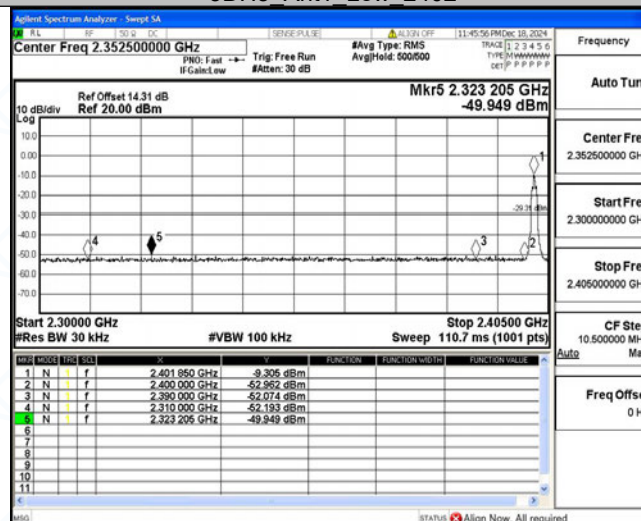
## 2DH5 Ant1 Low Hop 2402



## 2DH5 Ant1 High Hop 2480

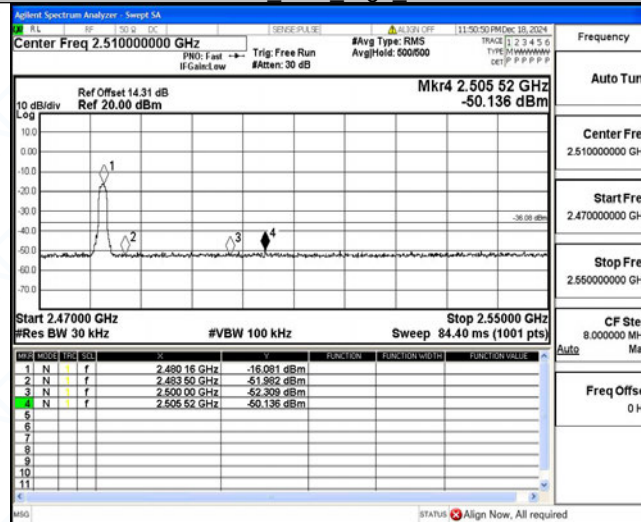


## 3DH5 Ant1 Low 2402

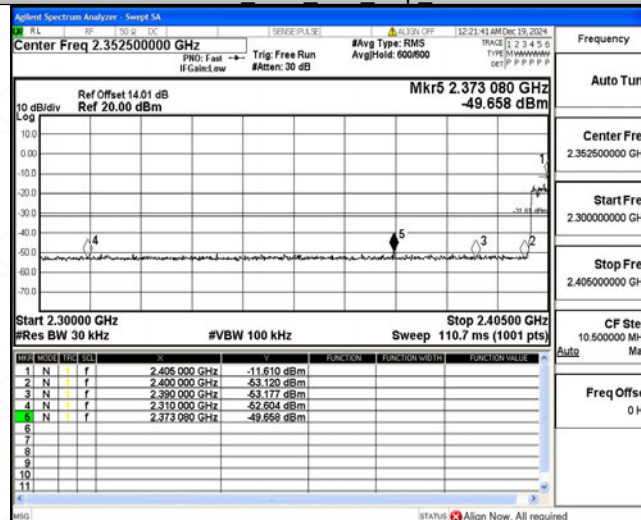




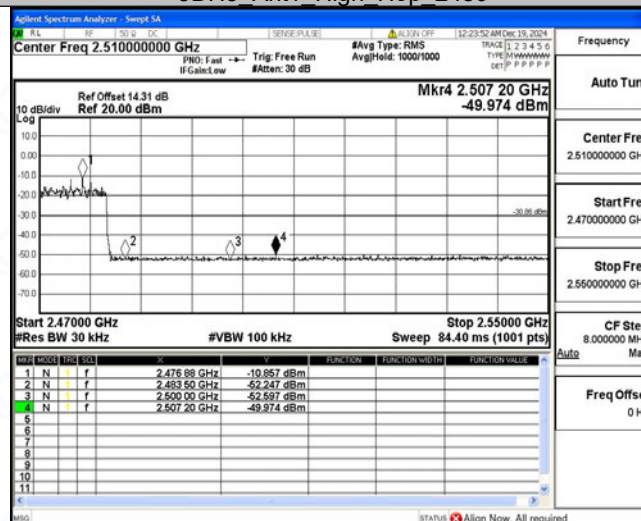
## 3DH5 Ant1 High 2480



## 3DH5 Ant1 Low Hop 2402



## 3DH5 Ant1 High Hop 2480





## Appendix F: Conducted Spurious Emission

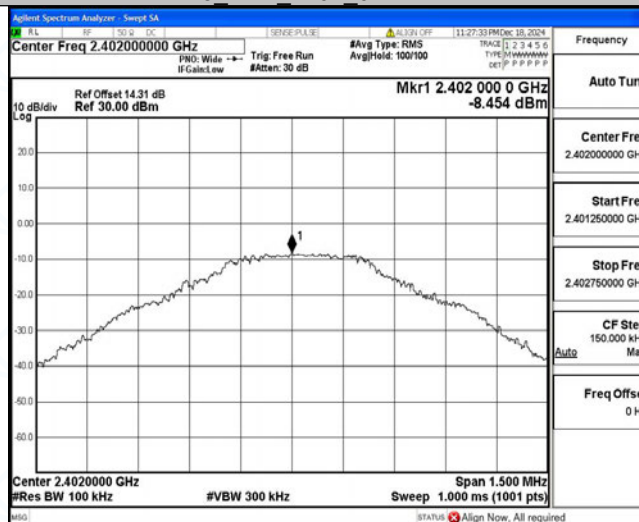
### Test Result

| TestMode | Antenna | Freq(MHz) | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|----------|---------|-----------|-----------------|----------------|--------------|---------------|---------|
| DH5      | Ant1    | 2402      | Reference       | -8.45          | -8.45        | ---           | PASS    |
|          |         |           | 30~1000         | -8.45          | -57.32       | $\leq -28.45$ | PASS    |
|          |         |           | 1000~26500      | -8.45          | -47.93       | $\leq -28.45$ | PASS    |
|          |         | 2441      | Reference       | -7.90          | -7.90        | ---           | PASS    |
|          |         |           | 30~1000         | -7.90          | -57.12       | $\leq -27.9$  | PASS    |
|          |         |           | 1000~26500      | -7.90          | -47.91       | $\leq -27.9$  | PASS    |
|          |         | 2480      | Reference       | -10.14         | -10.14       | ---           | PASS    |
|          |         |           | 30~1000         | -10.14         | -57.11       | $\leq -30.14$ | PASS    |
|          |         |           | 1000~26500      | -10.14         | -47.71       | $\leq -30.14$ | PASS    |
| 2DH5     | Ant1    | 2402      | Reference       | -7.98          | -7.98        | ---           | PASS    |
|          |         |           | 30~1000         | -7.98          | -57.65       | $\leq -27.98$ | PASS    |
|          |         |           | 1000~26500      | -7.98          | -47.75       | $\leq -27.98$ | PASS    |
|          |         | 2441      | Reference       | -7.23          | -7.23        | ---           | PASS    |
|          |         |           | 30~1000         | -7.23          | -57.87       | $\leq -27.23$ | PASS    |
|          |         |           | 1000~26500      | -7.23          | -47.82       | $\leq -27.23$ | PASS    |
|          |         | 2480      | Reference       | -9.66          | -9.66        | ---           | PASS    |
|          |         |           | 30~1000         | -9.66          | -56.66       | $\leq -29.66$ | PASS    |
|          |         |           | 1000~26500      | -9.66          | -48.01       | $\leq -29.66$ | PASS    |
| 3DH5     | Ant1    | 2402      | Reference       | -7.92          | -7.92        | ---           | PASS    |
|          |         |           | 30~1000         | -7.92          | -57.29       | $\leq -27.92$ | PASS    |
|          |         |           | 1000~26500      | -7.92          | -48.45       | $\leq -27.92$ | PASS    |
|          |         | 2441      | Reference       | -6.83          | -6.83        | ---           | PASS    |
|          |         |           | 30~1000         | -6.83          | -57.2        | $\leq -26.83$ | PASS    |
|          |         |           | 1000~26500      | -6.83          | -47.65       | $\leq -26.83$ | PASS    |
|          |         | 2480      | Reference       | -9.24          | -9.24        | ---           | PASS    |
|          |         |           | 30~1000         | -9.24          | -56.93       | $\leq -29.24$ | PASS    |
|          |         |           | 1000~26500      | -9.24          | -48.06       | $\leq -29.24$ | PASS    |

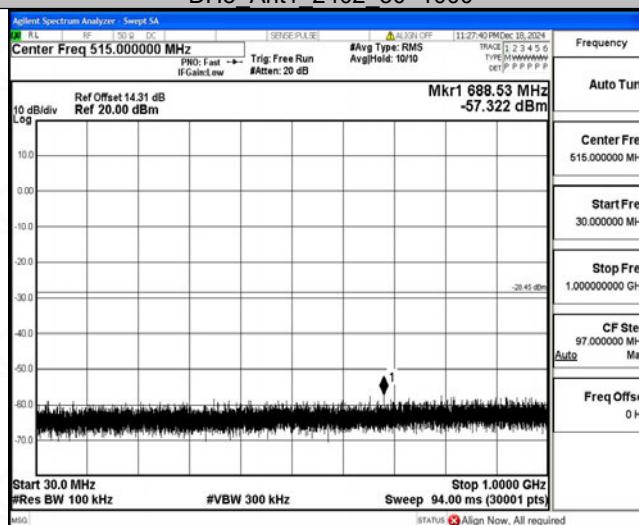


## Test Graphs

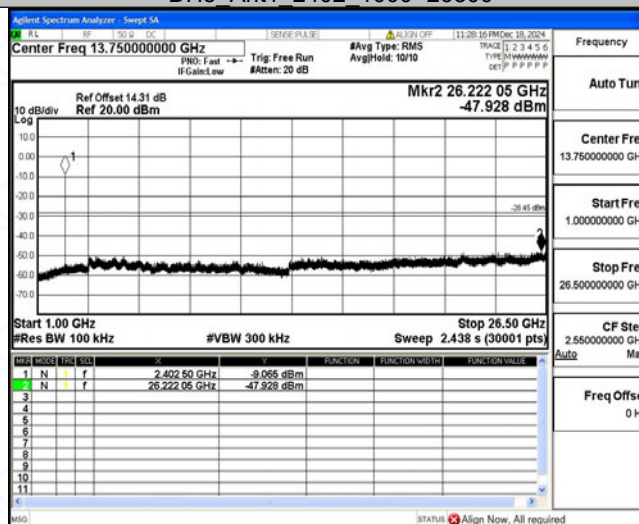
DH5\_Ant1\_2402\_0~Reference



DH5\_Ant1\_2402\_30~1000

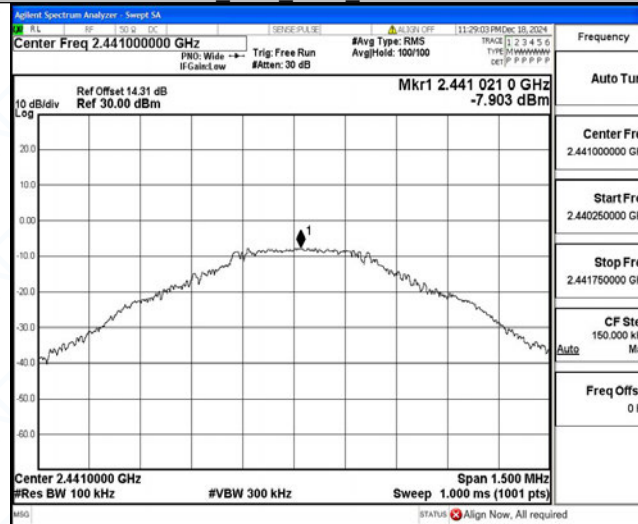


DH5\_Ant1\_2402\_1000~26500

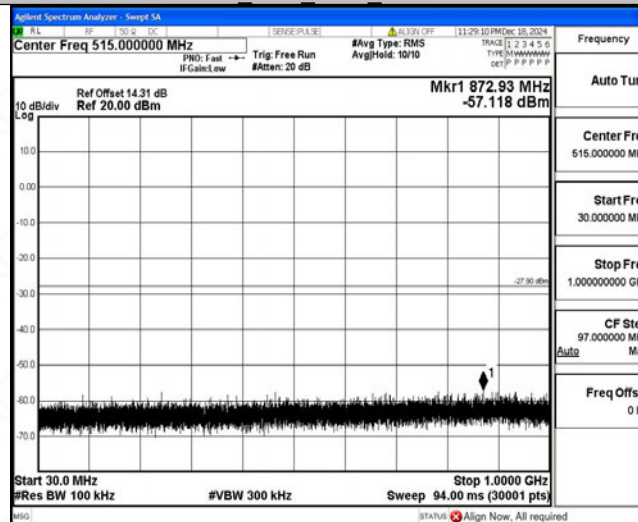




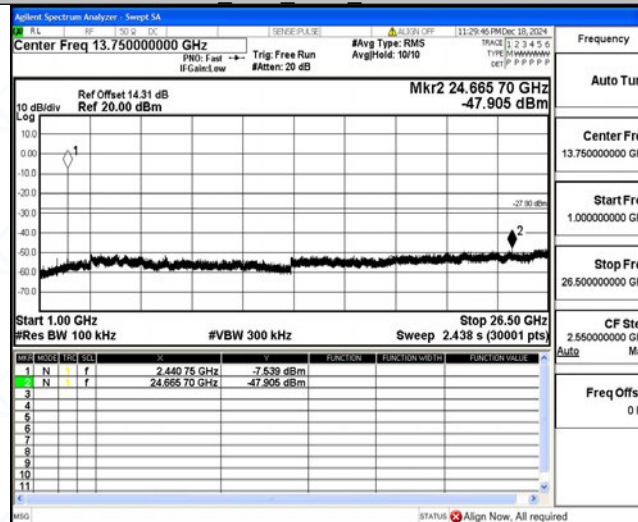
## DH5\_Ant1\_2441\_0~Reference



## DH5\_Ant1\_2441\_30~1000

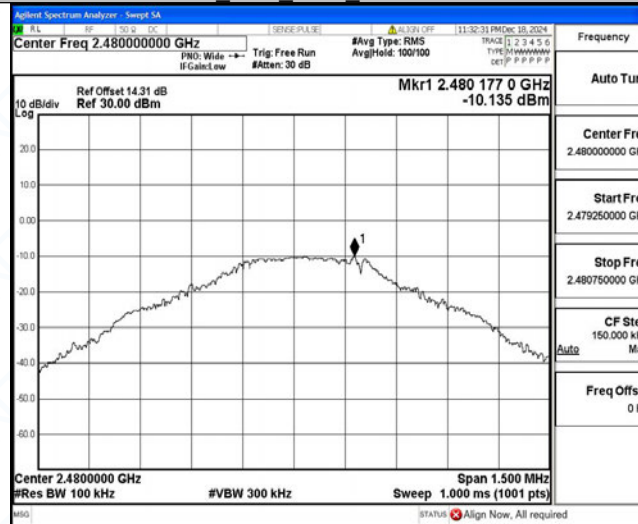


## DH5\_Ant1\_2441\_1000~26500

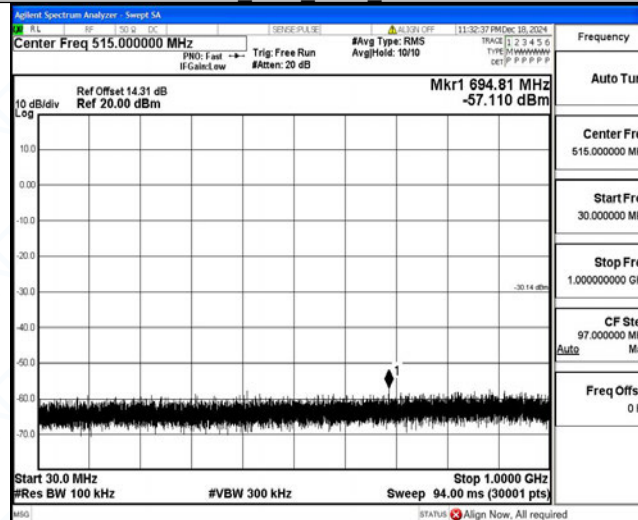




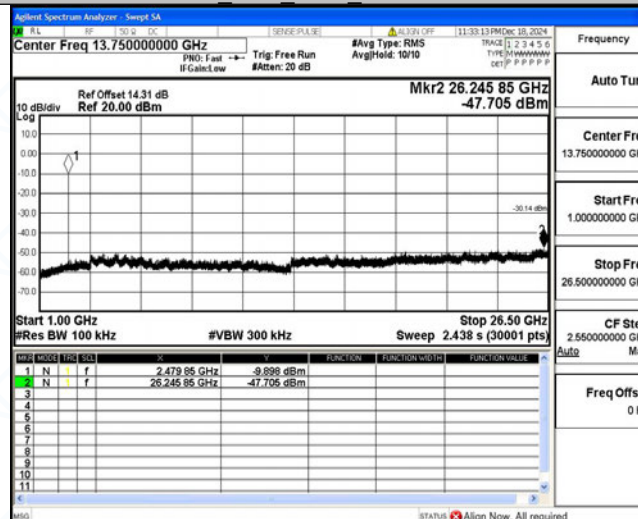
## DH5\_Ant1\_2480\_0~Reference



## DH5\_Ant1\_2480\_30~1000

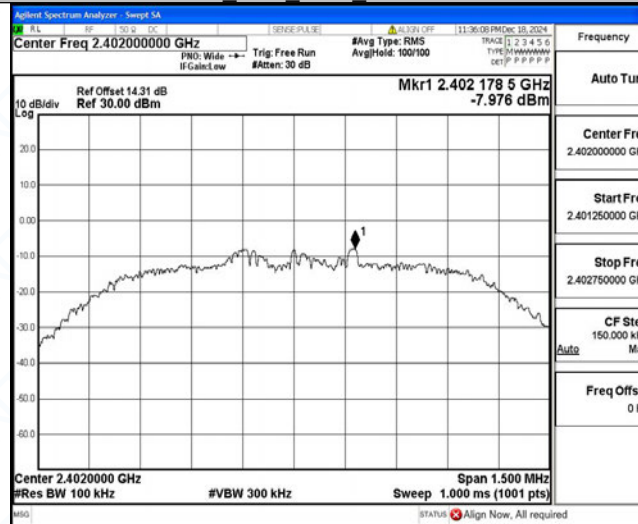


## DH5\_Ant1\_2480\_1000~26500

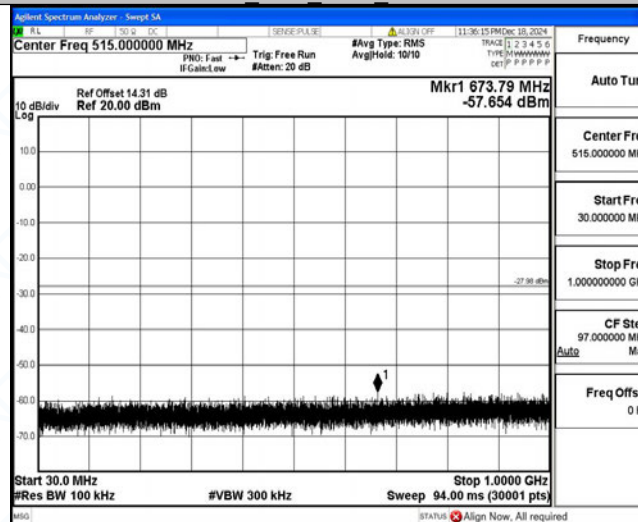




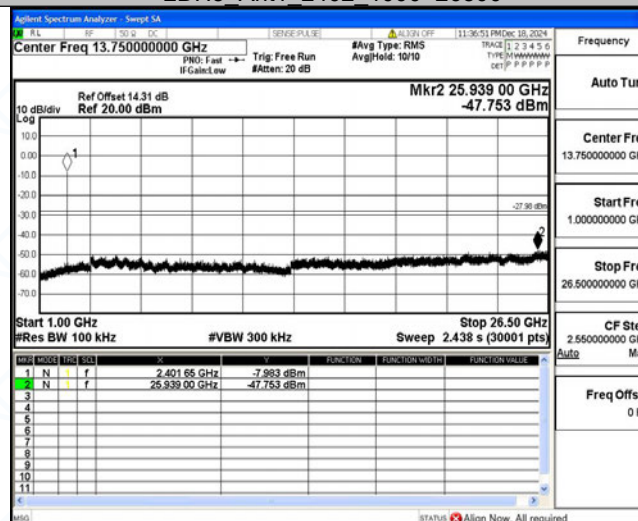
## 2DH5\_Ant1\_2402\_0~Reference



## 2DH5\_Ant1\_2402\_30~1000

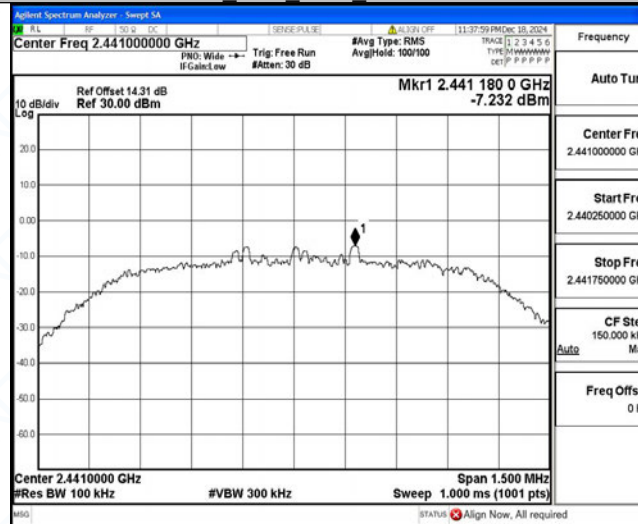


## 2DH5\_Ant1\_2402\_1000~26500

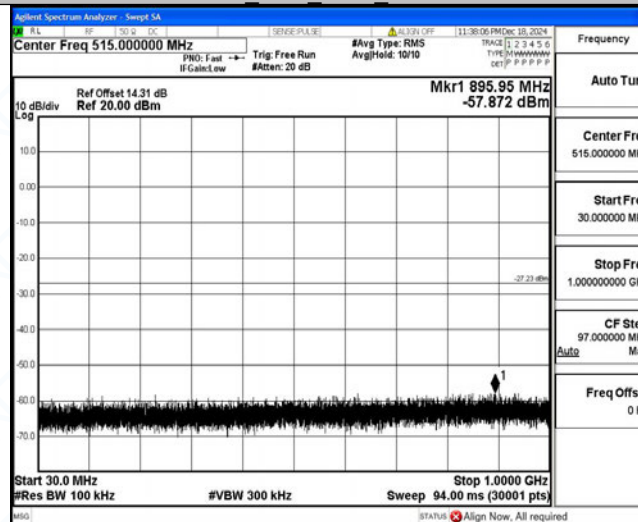




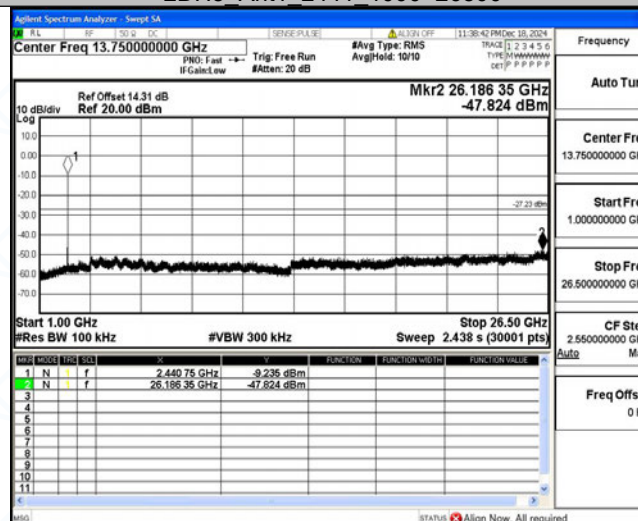
## 2DH5 Ant1 2441 0~Reference



## 2DH5 Ant1 2441 30~1000

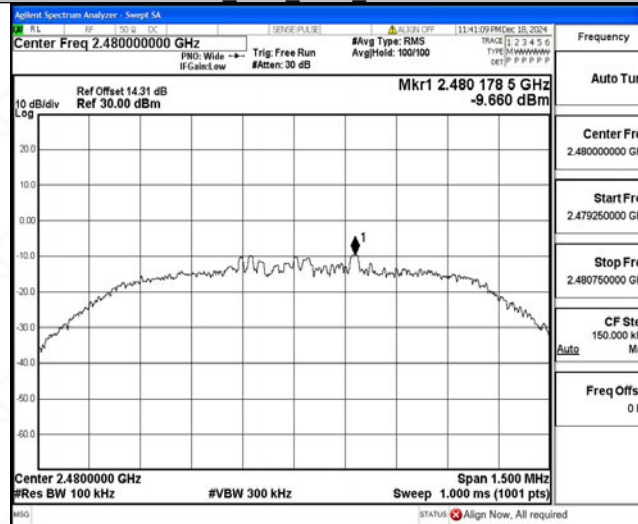


## 2DH5 Ant1 2441 1000~26500

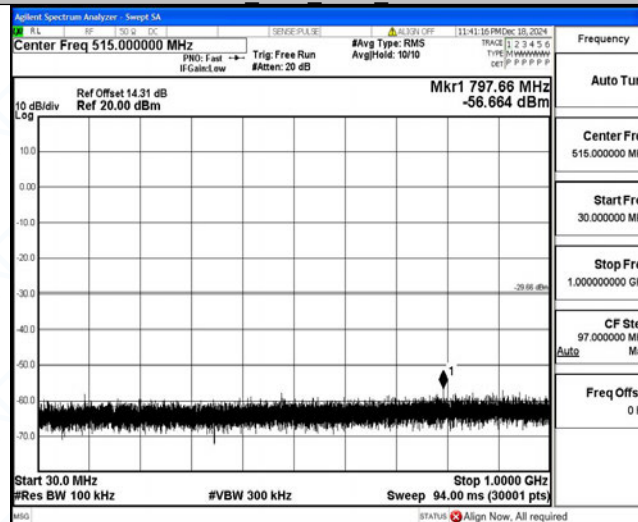




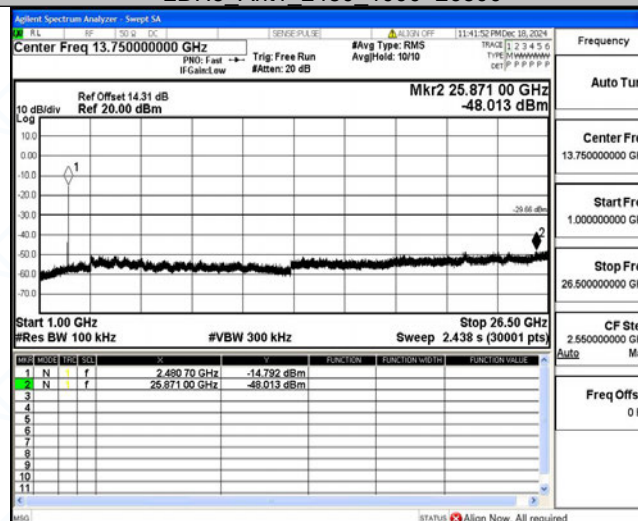
## 2DH5 Ant1 2480 0~Reference



## 2DH5 Ant1 2480 30~1000

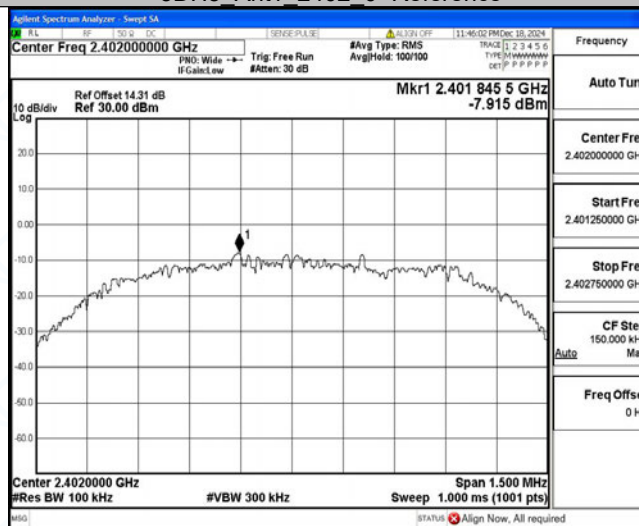


## 2DH5 Ant1 2480 1000~26500

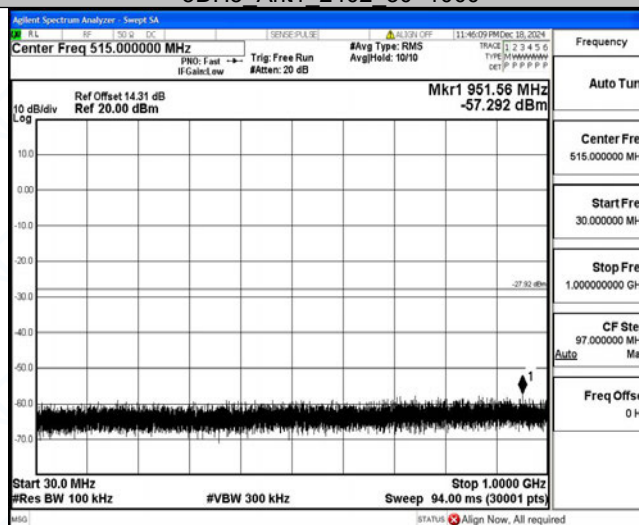




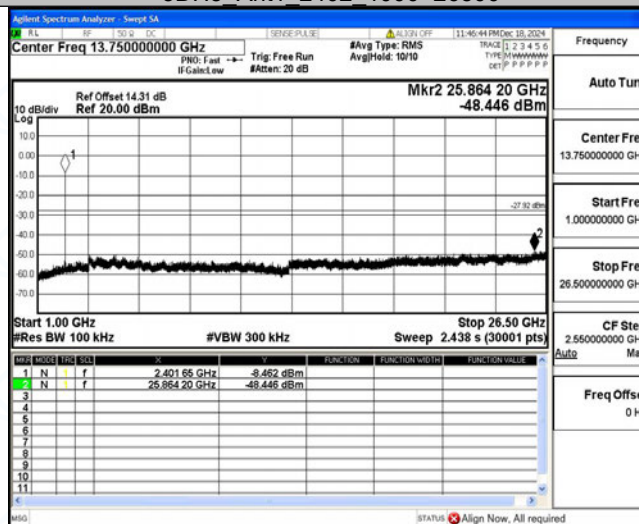
## 3DH5\_Ant1\_2402\_0~Reference



## 3DH5\_Ant1\_2402\_30~1000

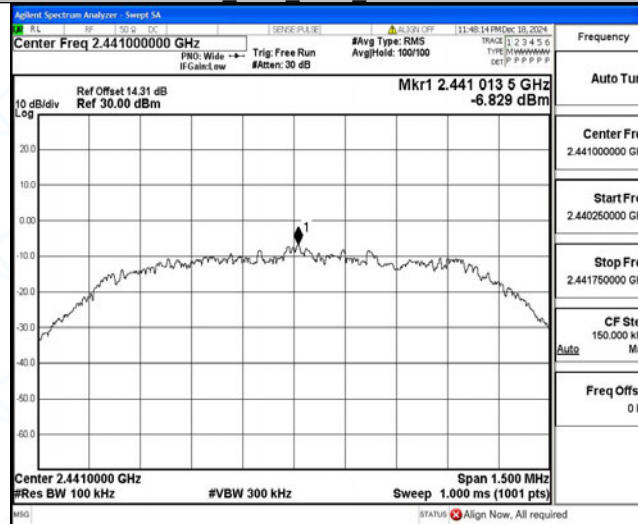


## 3DH5\_Ant1\_2402\_1000~26500

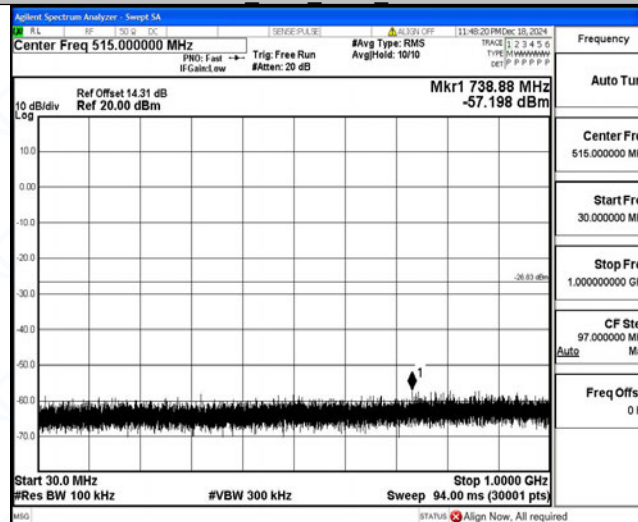




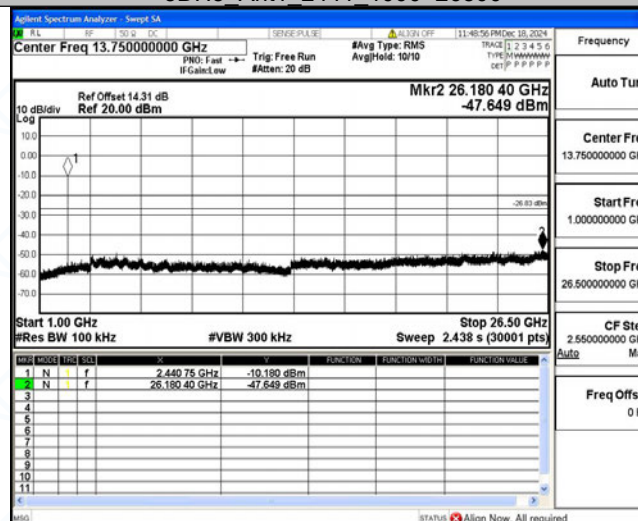
## 3DH5\_Ant1\_2441\_0~Reference



## 3DH5\_Ant1\_2441\_30~1000

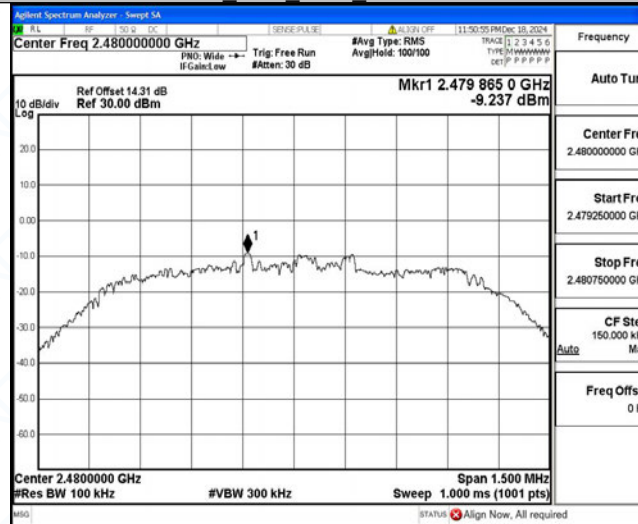


## 3DH5\_Ant1\_2441\_1000~26500

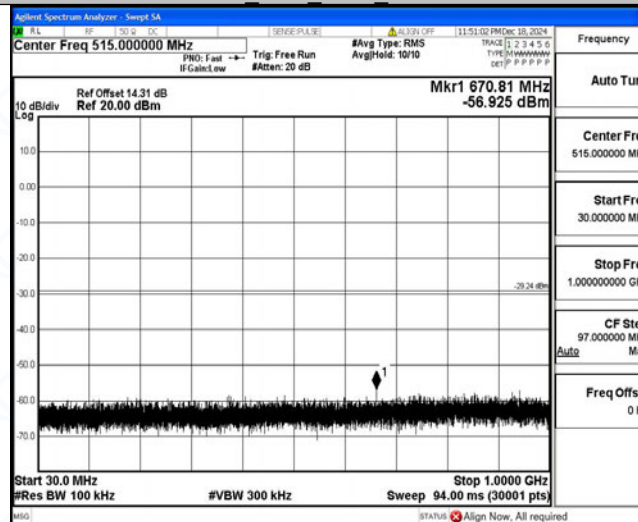




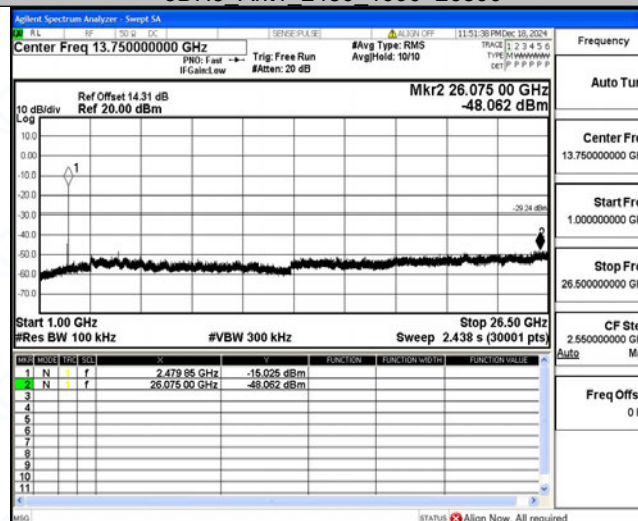
## 3DH5 Ant1 2480 0~Reference



## 3DH5 Ant1 2480 30~1000



## 3DH5 Ant1 2480 1000~26500



The End Report

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