

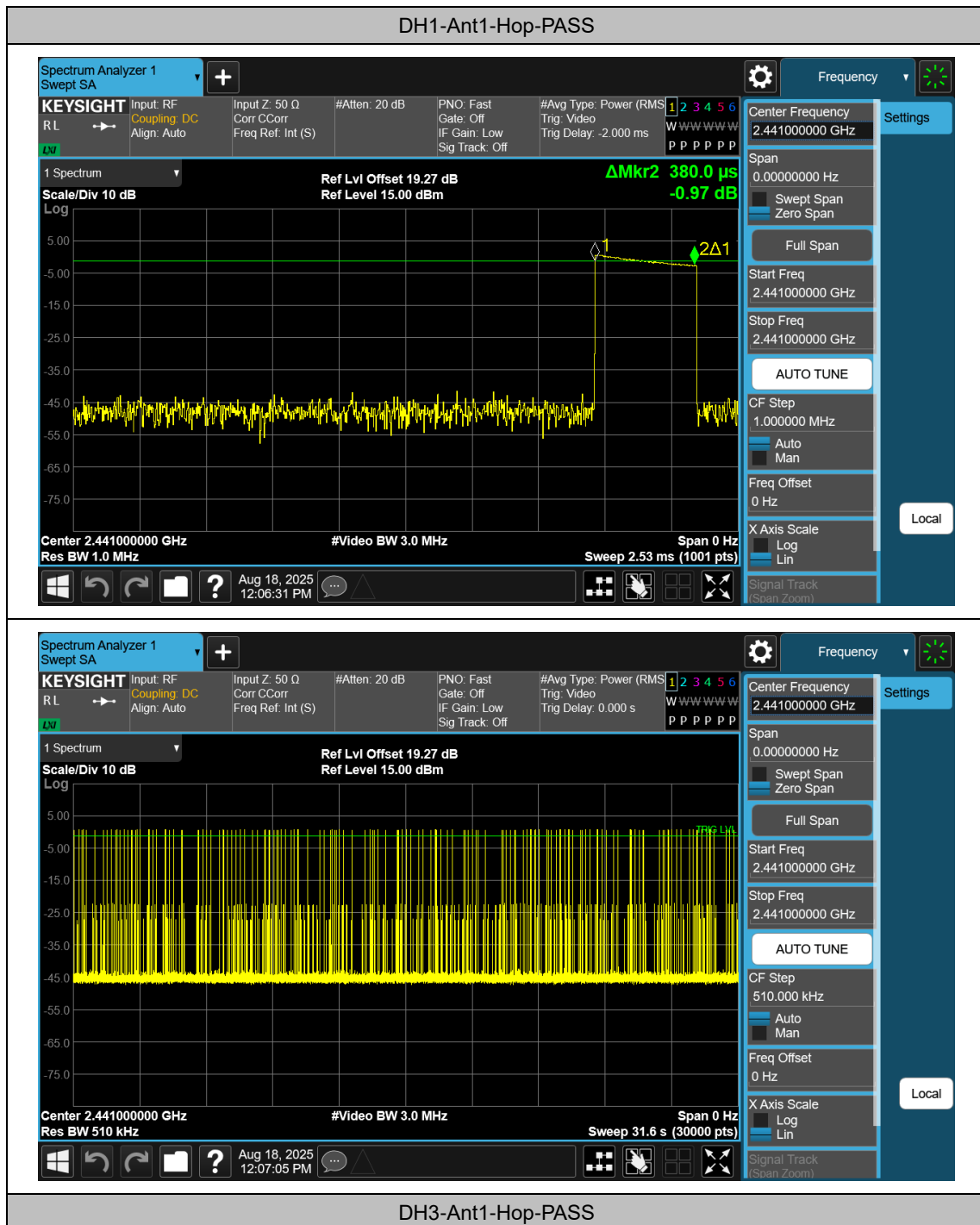
## Appendix D: Time of occupancy

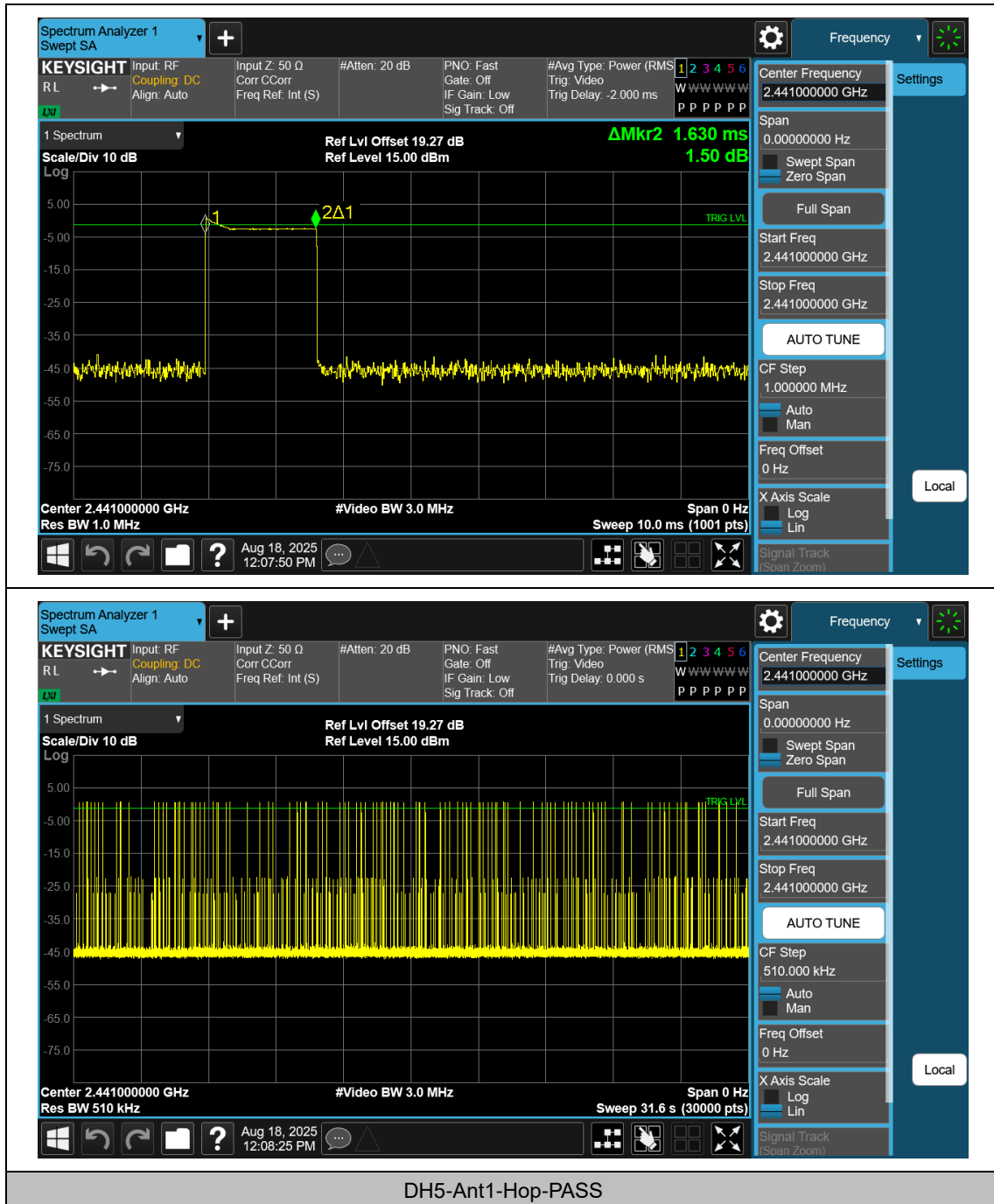
### Test Result

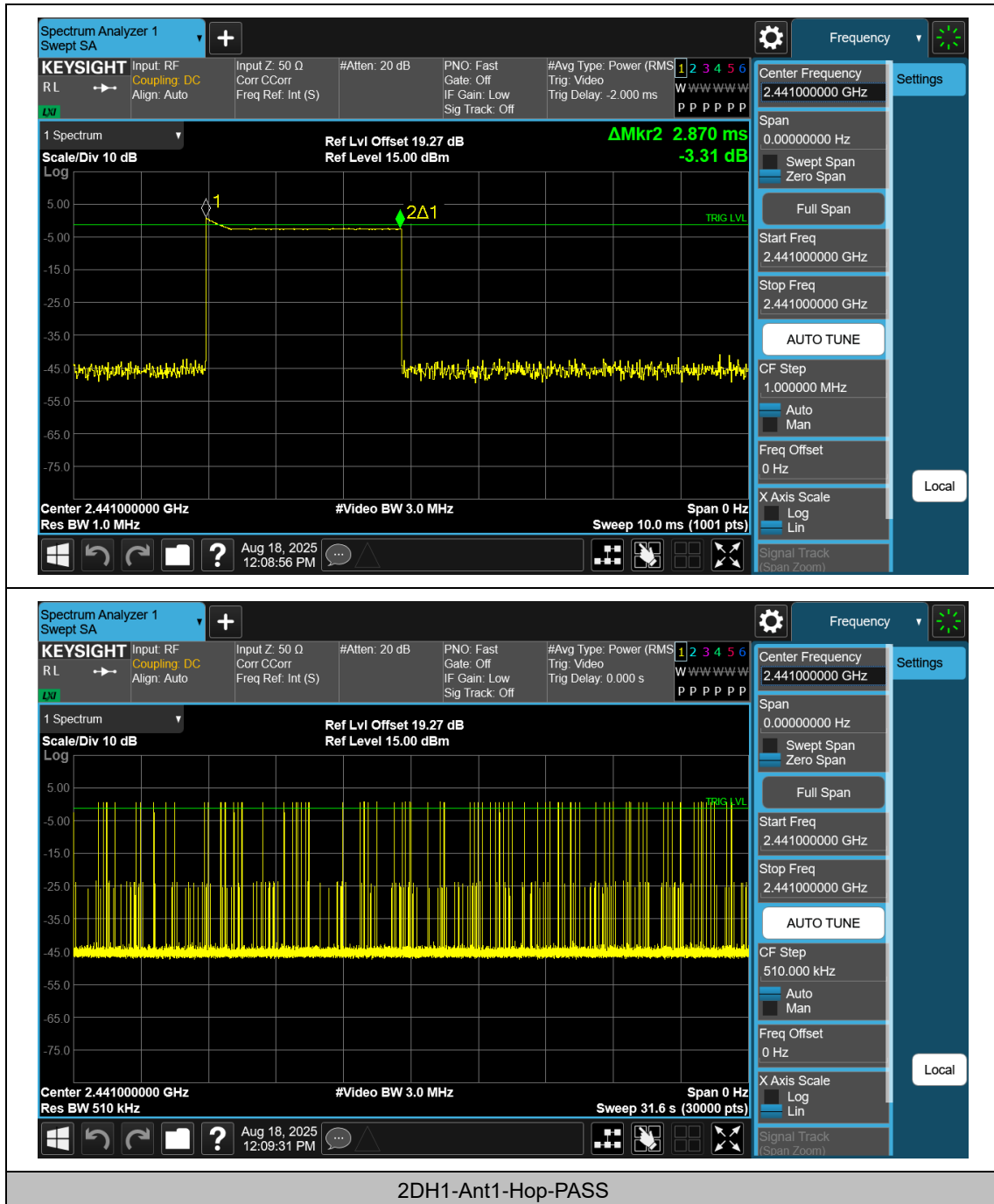
| TestMode | Antenna | Frequency[MHz] | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|----------------|--------------------|--------------------|-----------|----------|---------|
| DH1      | Ant1    | Hop            | 0.380              | 152                | 0.058     | ≤0.4     | PASS    |
| DH3      | Ant1    | Hop            | 1.630              | 112                | 0.183     | ≤0.4     | PASS    |
| DH5      | Ant1    | Hop            | 2.870              | 91                 | 0.261     | ≤0.4     | PASS    |
| 2DH1     | Ant1    | Hop            | 0.393              | 150                | 0.059     | ≤0.4     | PASS    |
| 2DH3     | Ant1    | Hop            | 1.630              | 97                 | 0.158     | ≤0.4     | PASS    |
| 2DH5     | Ant1    | Hop            | 2.870              | 91                 | 0.261     | ≤0.4     | PASS    |
| 3DH1     | Ant1    | Hop            | 0.393              | 166                | 0.065     | ≤0.4     | PASS    |
| 3DH3     | Ant1    | Hop            | 1.630              | 108                | 0.176     | ≤0.4     | PASS    |
| 3DH5     | Ant1    | Hop            | 2.880              | 75                 | 0.216     | ≤0.4     | PASS    |

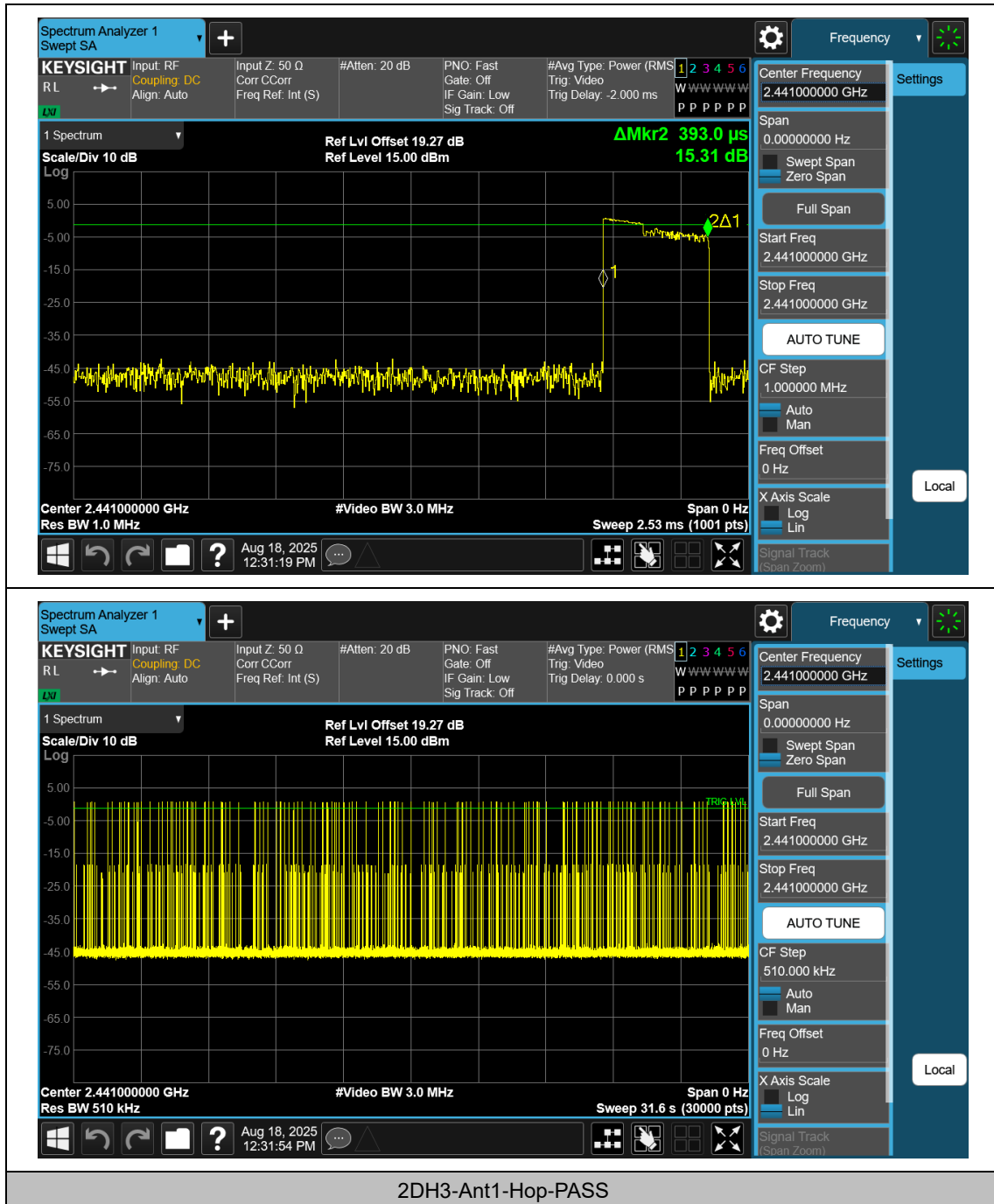


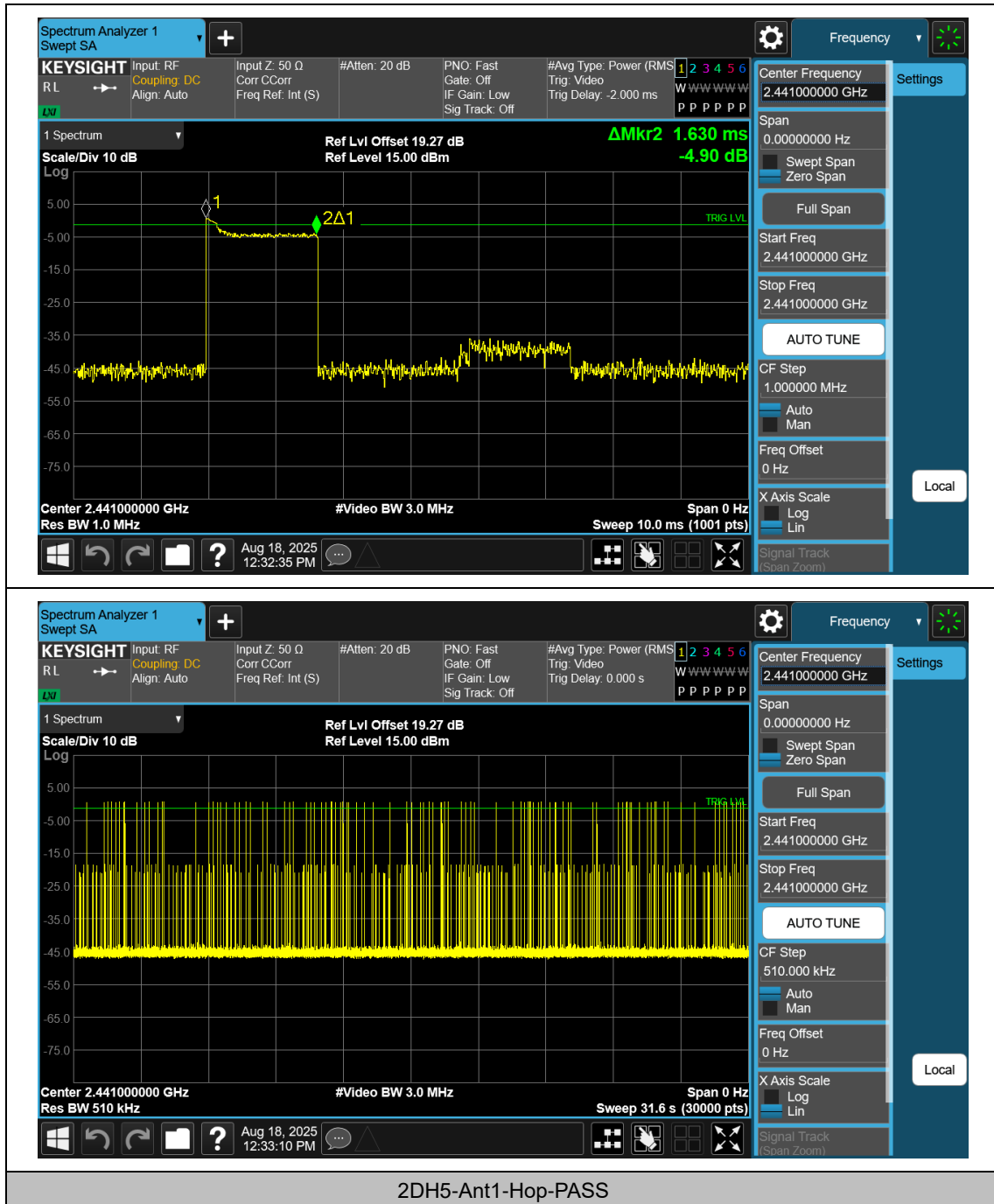
## Test Graphs

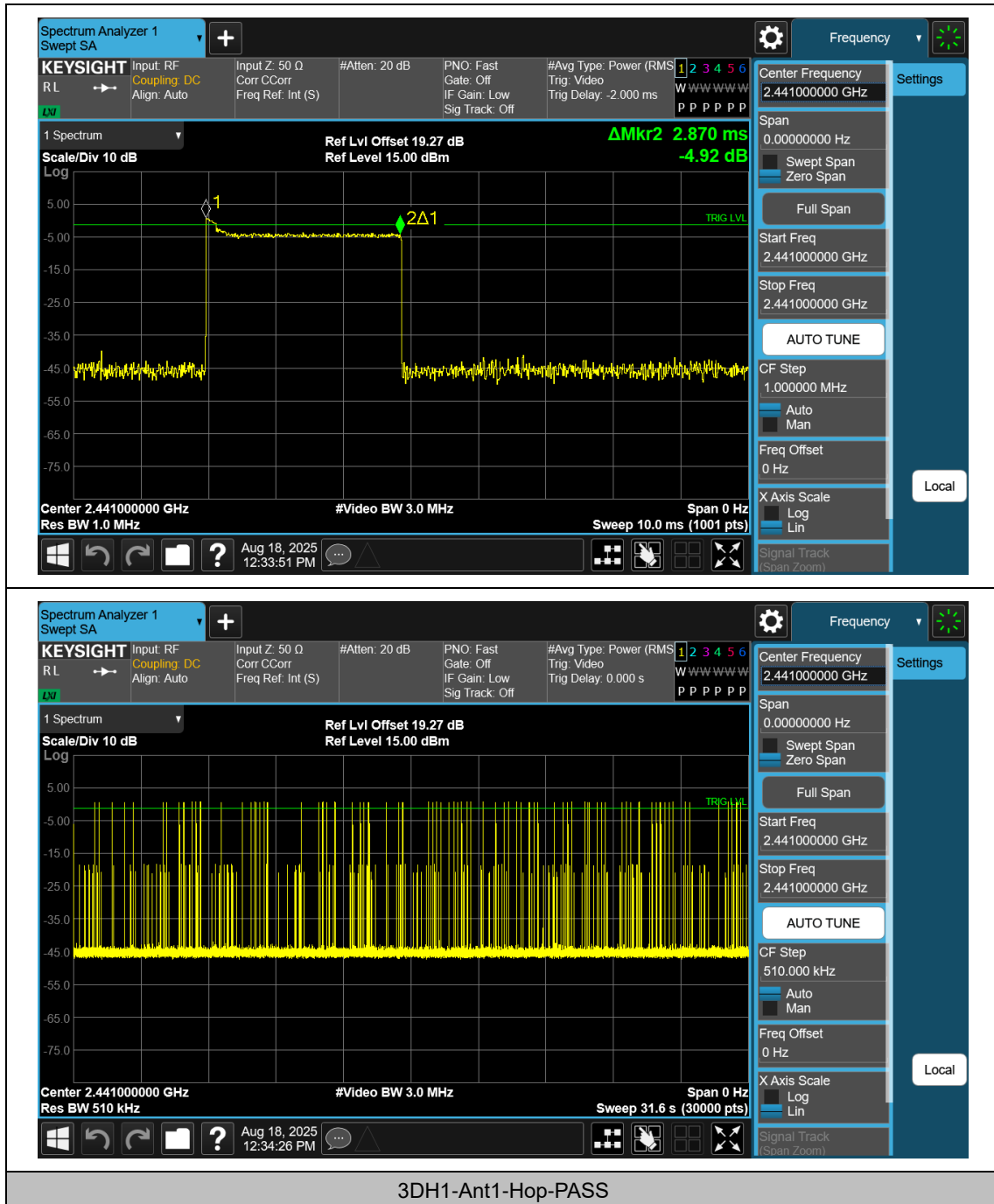












Spectrum Analyzer 1  
Swept SA

KEYSIGHT

Input: RF

R.L.

Coupling: DC

Align: Auto

Input Z: 50  $\Omega$

Corr C: Corr

Freq Ref: Int (S)

#Atten: 20 dB

PNO: Fast

Gate: Off

IF Gain: Low

Sig Track: Off

#Avg Type: Power (RMS)

Trig: Video

Trig Delay: 0.000 s

1 2 3 4 5 6

W W W W W W

P P P P P P

Center Frequency

2.441000000 GHz

Span

0.00000000 Hz

Swept Span

Zero Span

Full Span

Start Freq

2.441000000 GHz

Stop Freq

2.441000000 GHz

AUTO TUNE

CF Step

510.000 kHz

Auto

Man

Freq Offset

0 Hz

X Axis Scale

Log

Lin

Signal Track

(Span Zoom)

Local

1 Spectrum

Ref Lvl Offset 19.27 dB

Ref Level 15.00 dBm

Scale/Div 10 dB

Log

Center 2.441000000 GHz

#Video BW 3.0 MHz

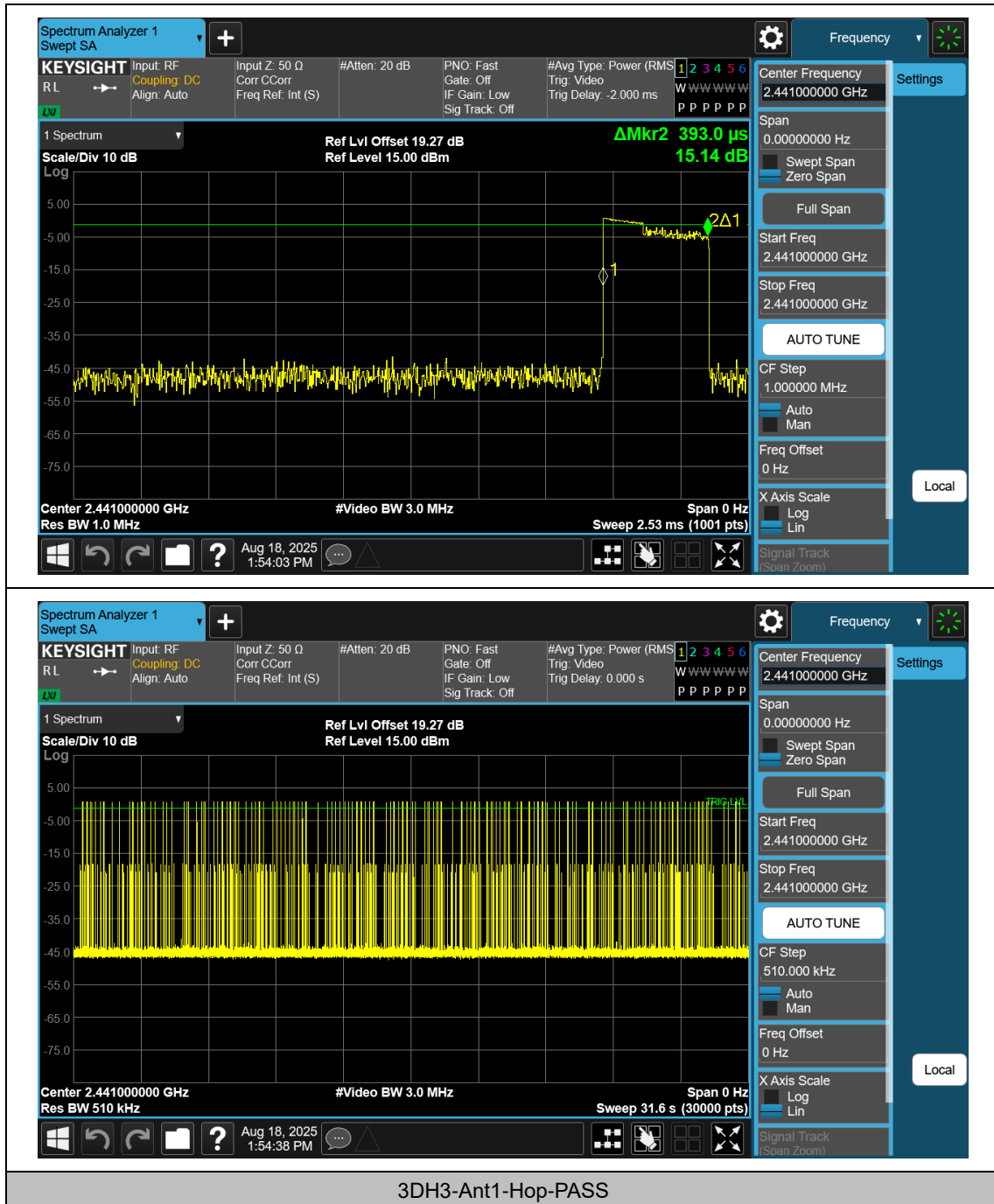
Span 0 Hz

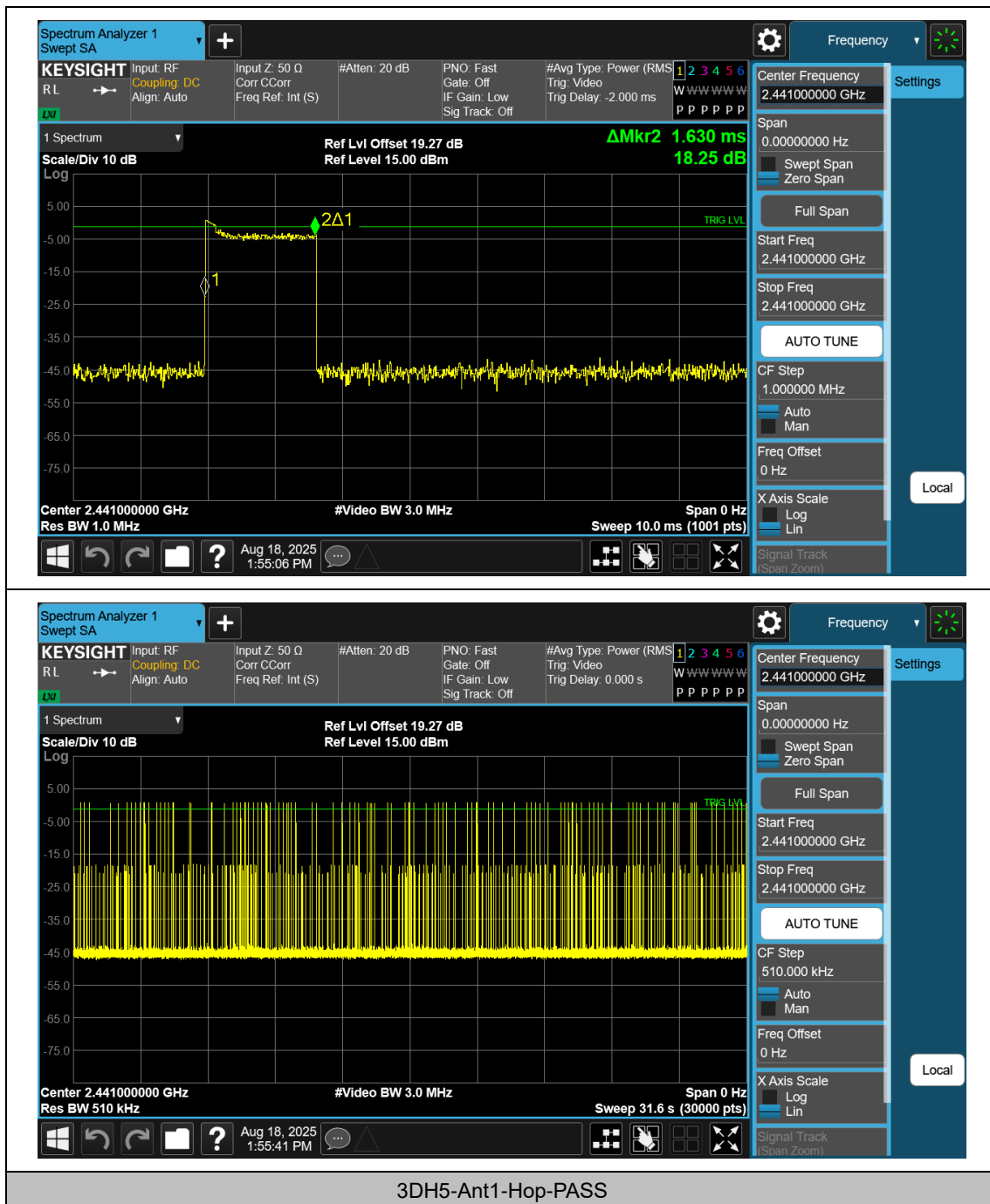
Res BW 510 kHz

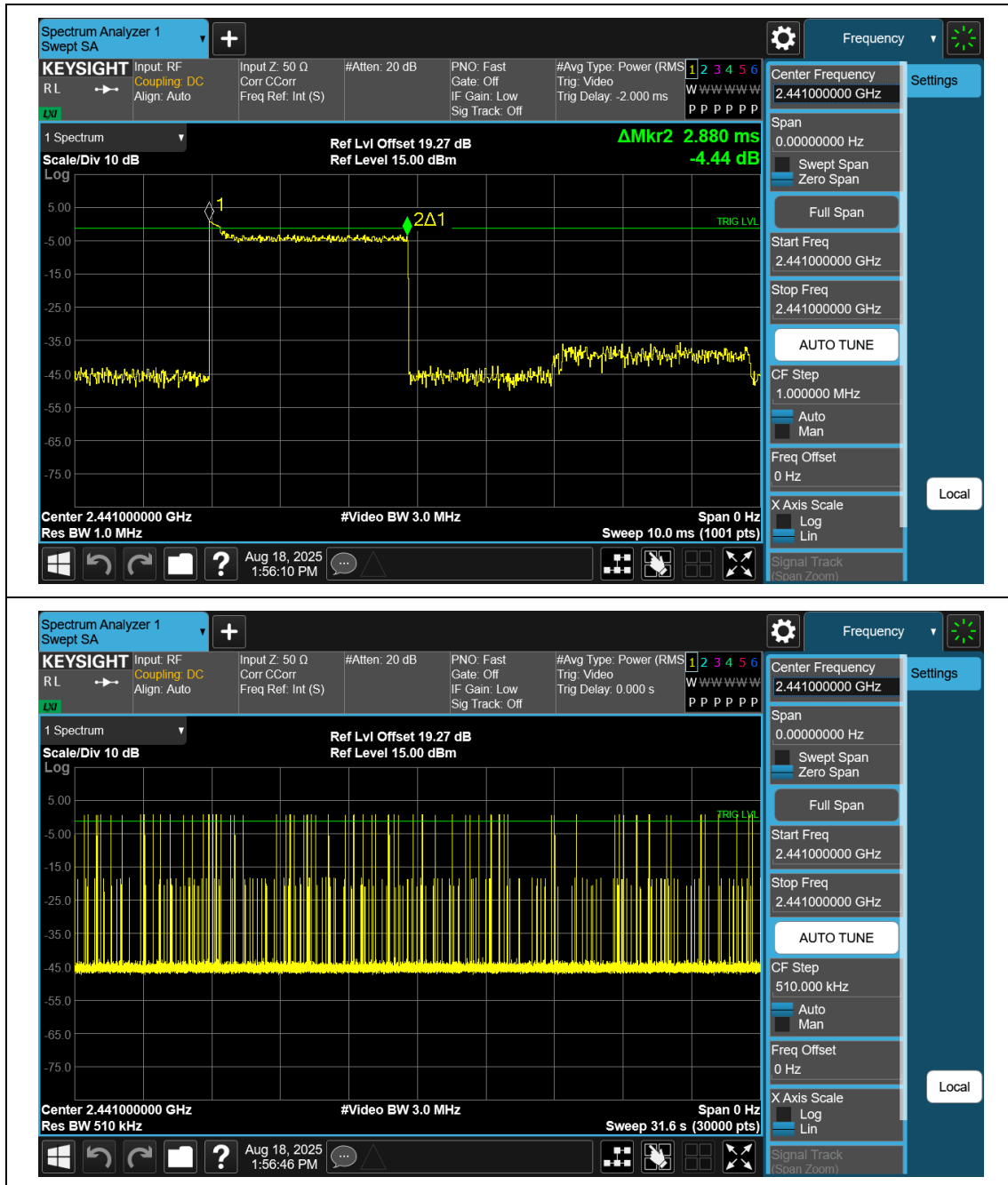
Sweep 31.6 s (30000 pts)

Aug 18, 2025 12:34:26 PM

3DH1-Ant1-Hop-PASS









## Appendix E: Number of hopping channels

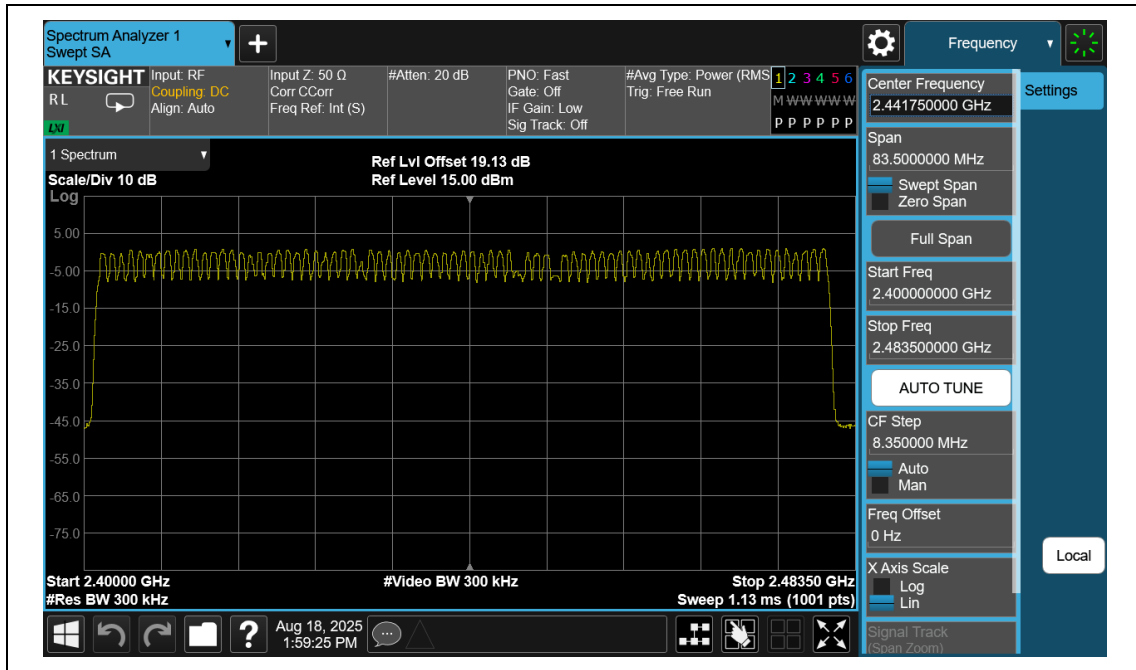
### Test Result

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



## Test Graphs





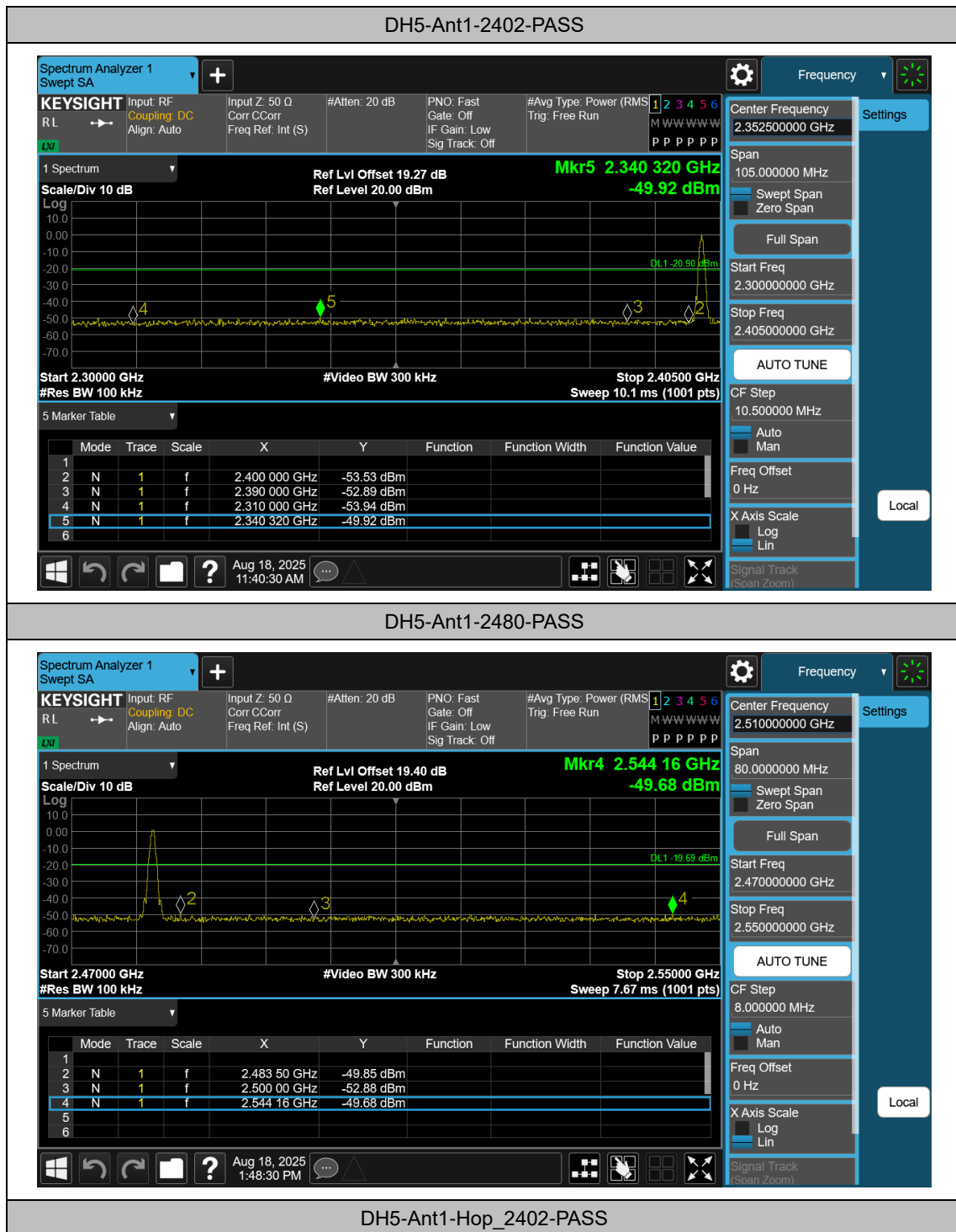
## Appendix F: Band edge measurements

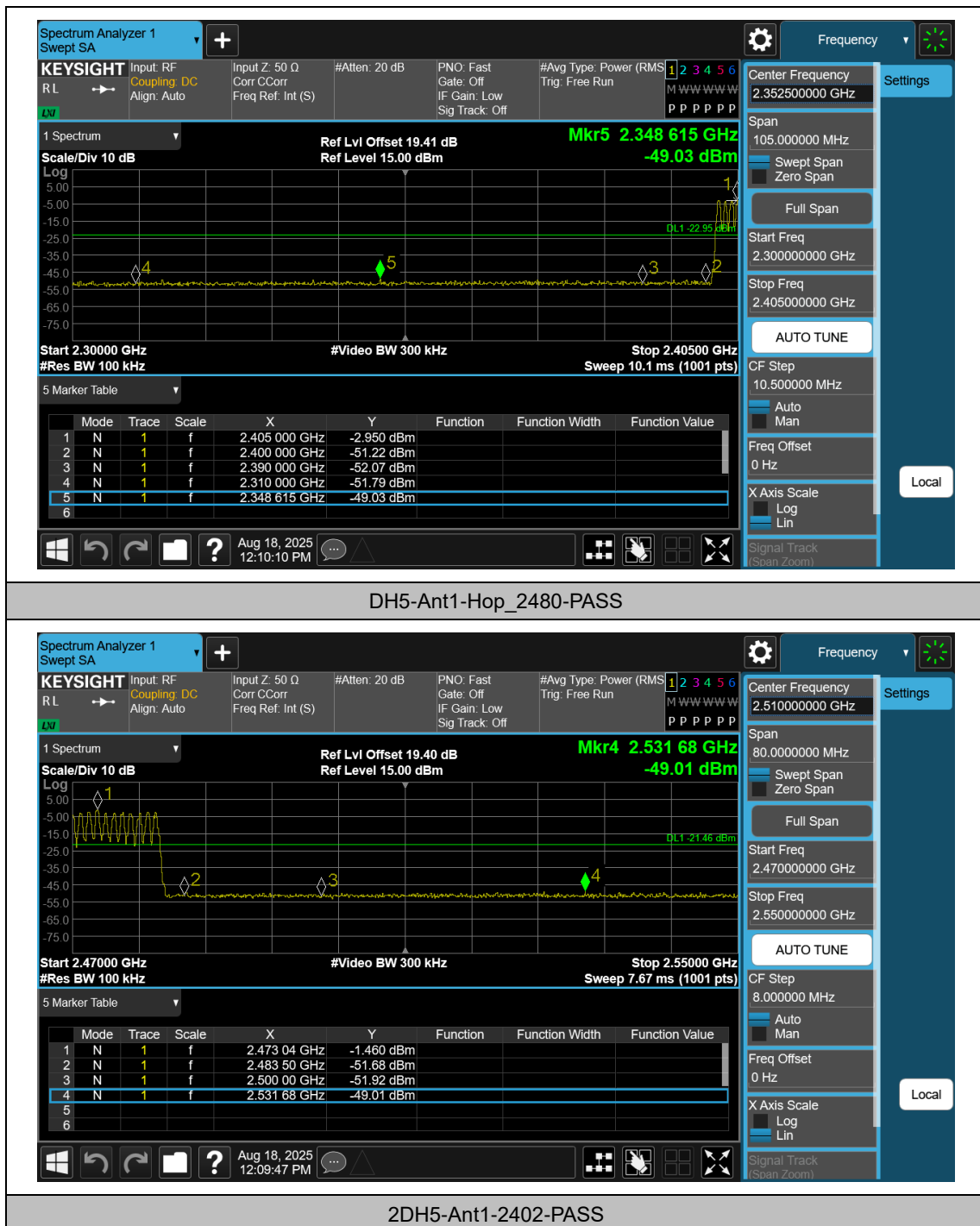
### Test Result

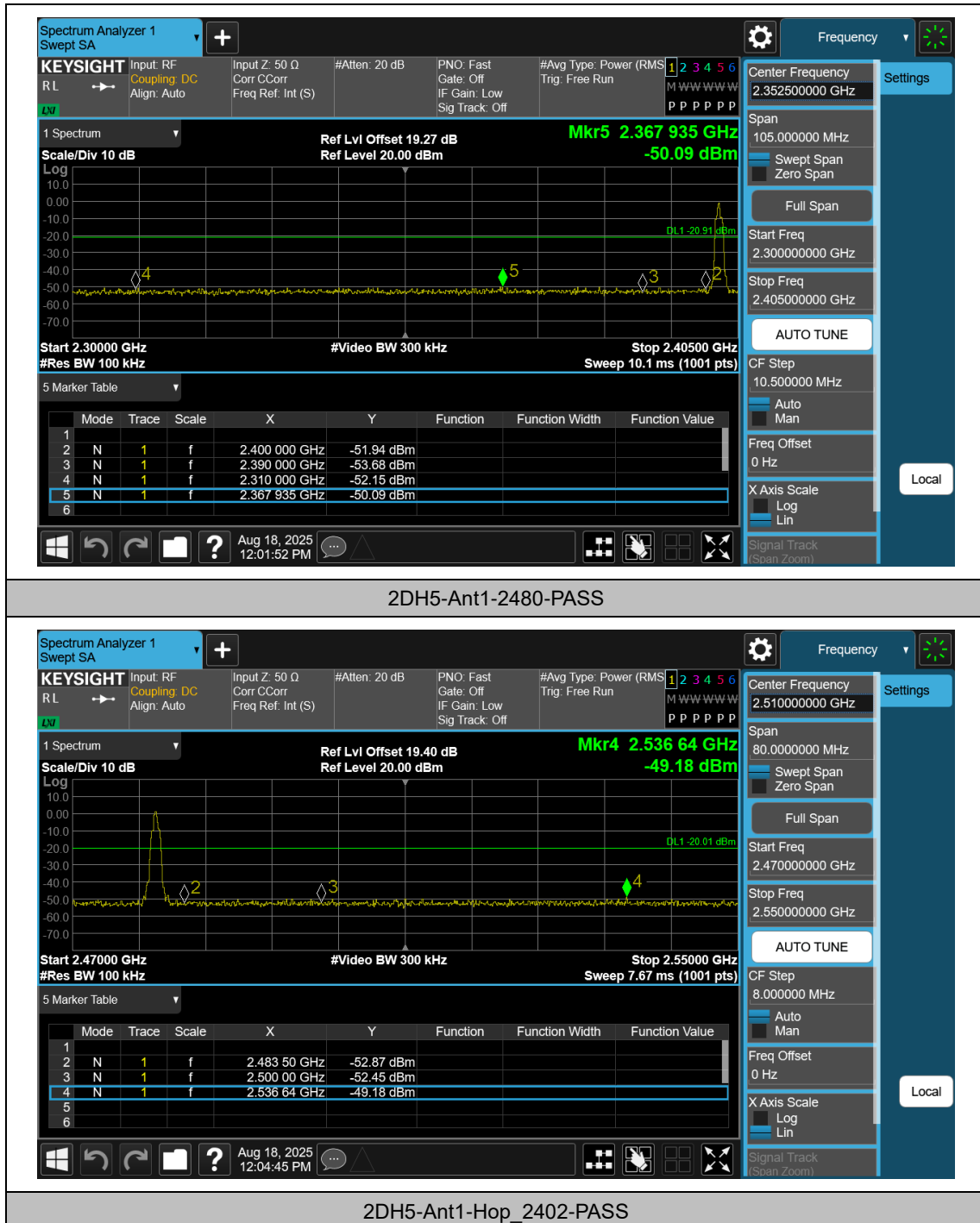
| TestMode | Antenna | ChName | Frequency[MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm]   | Verdict |
|----------|---------|--------|----------------|----------------|--------------|---------------|---------|
| DH5      | Ant1    | Low    | 2402           | -0.90          | -49.92       | $\leq -20.9$  | PASS    |
| DH5      | Ant1    | High   | 2480           | 0.31           | -49.68       | $\leq -19.69$ | PASS    |
| DH5      | Ant1    | Low    | Hop_2402       | -2.95          | -49.03       | $\leq -22.95$ | PASS    |
| DH5      | Ant1    | High   | Hop_2480       | -1.46          | -49.01       | $\leq -21.46$ | PASS    |
| 2DH5     | Ant1    | Low    | 2402           | -0.91          | -50.09       | $\leq -20.91$ | PASS    |
| 2DH5     | Ant1    | High   | 2480           | -0.01          | -49.19       | $\leq -20.01$ | PASS    |
| 2DH5     | Ant1    | Low    | Hop_2402       | -8.29          | -49.18       | $\leq -28.29$ | PASS    |
| 2DH5     | Ant1    | High   | Hop_2480       | -0.80          | -49.09       | $\leq -20.8$  | PASS    |
| 3DH5     | Ant1    | Low    | 2402           | 0.29           | -50.03       | $\leq -19.71$ | PASS    |
| 3DH5     | Ant1    | High   | 2480           | 0.03           | -49.05       | $\leq -19.97$ | PASS    |
| 3DH5     | Ant1    | Low    | Hop_2402       | -2.57          | -49.27       | $\leq -22.57$ | PASS    |
| 3DH5     | Ant1    | High   | Hop_2480       | 1.13           | -48.84       | $\leq -18.87$ | PASS    |

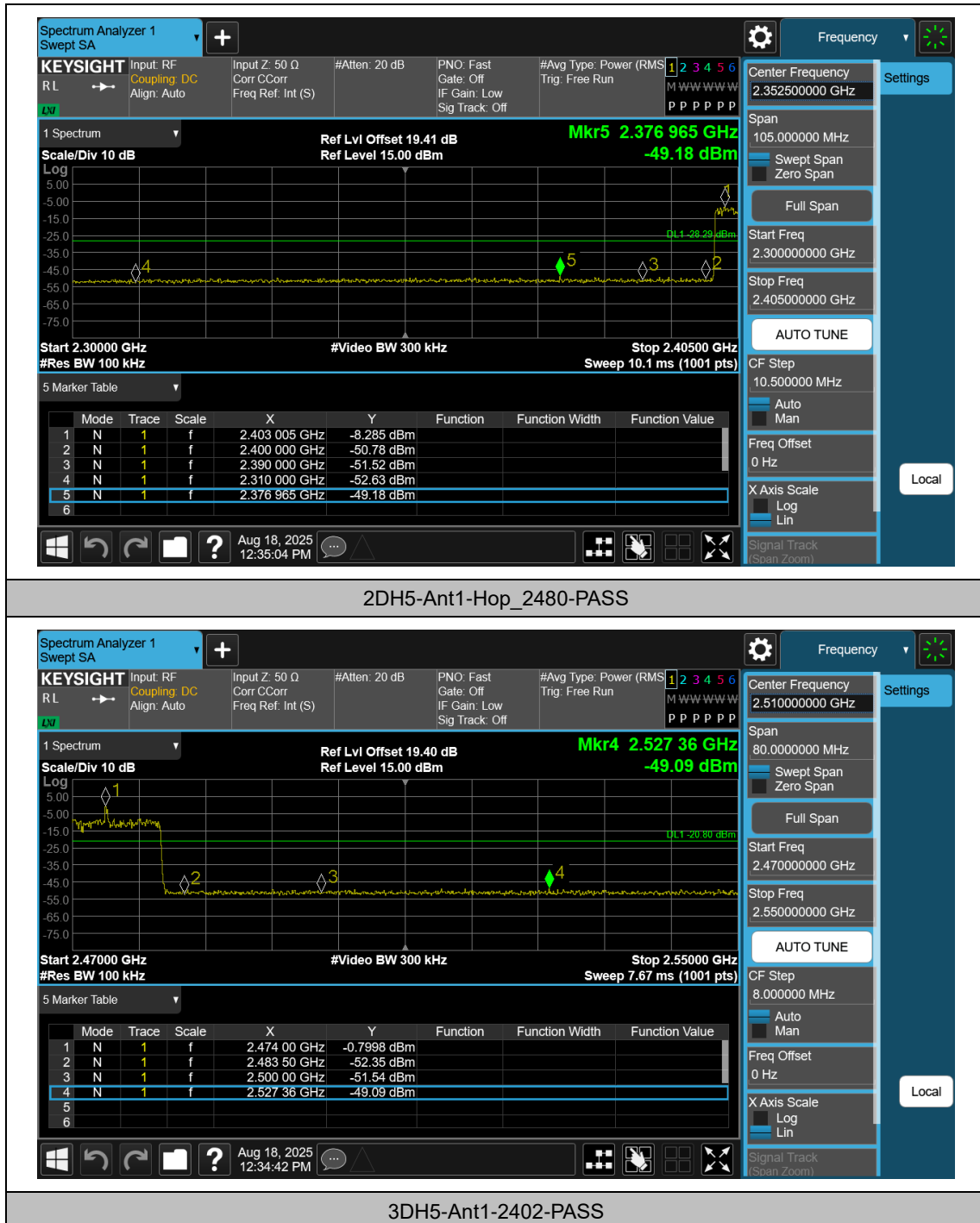


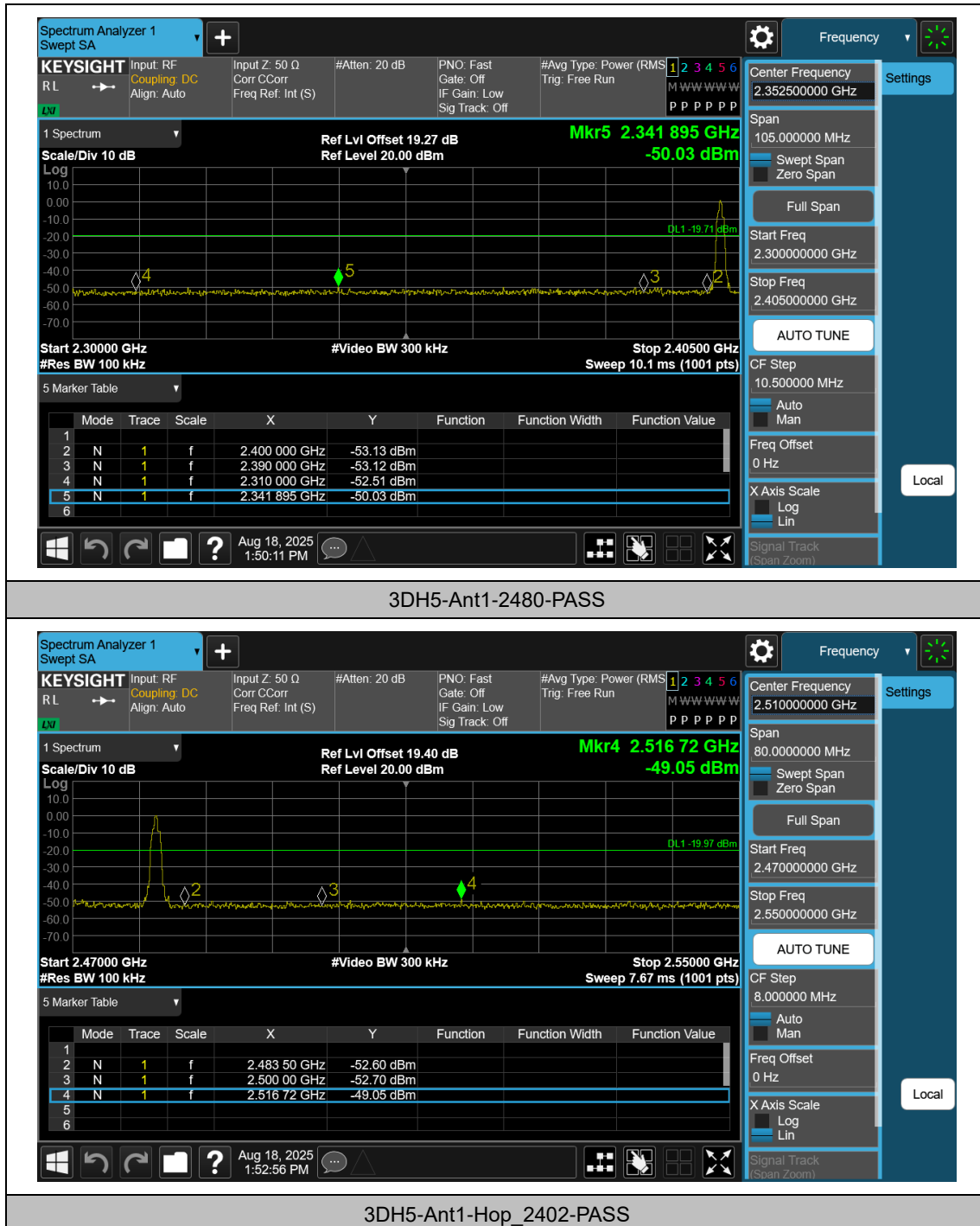
## Test Graphs

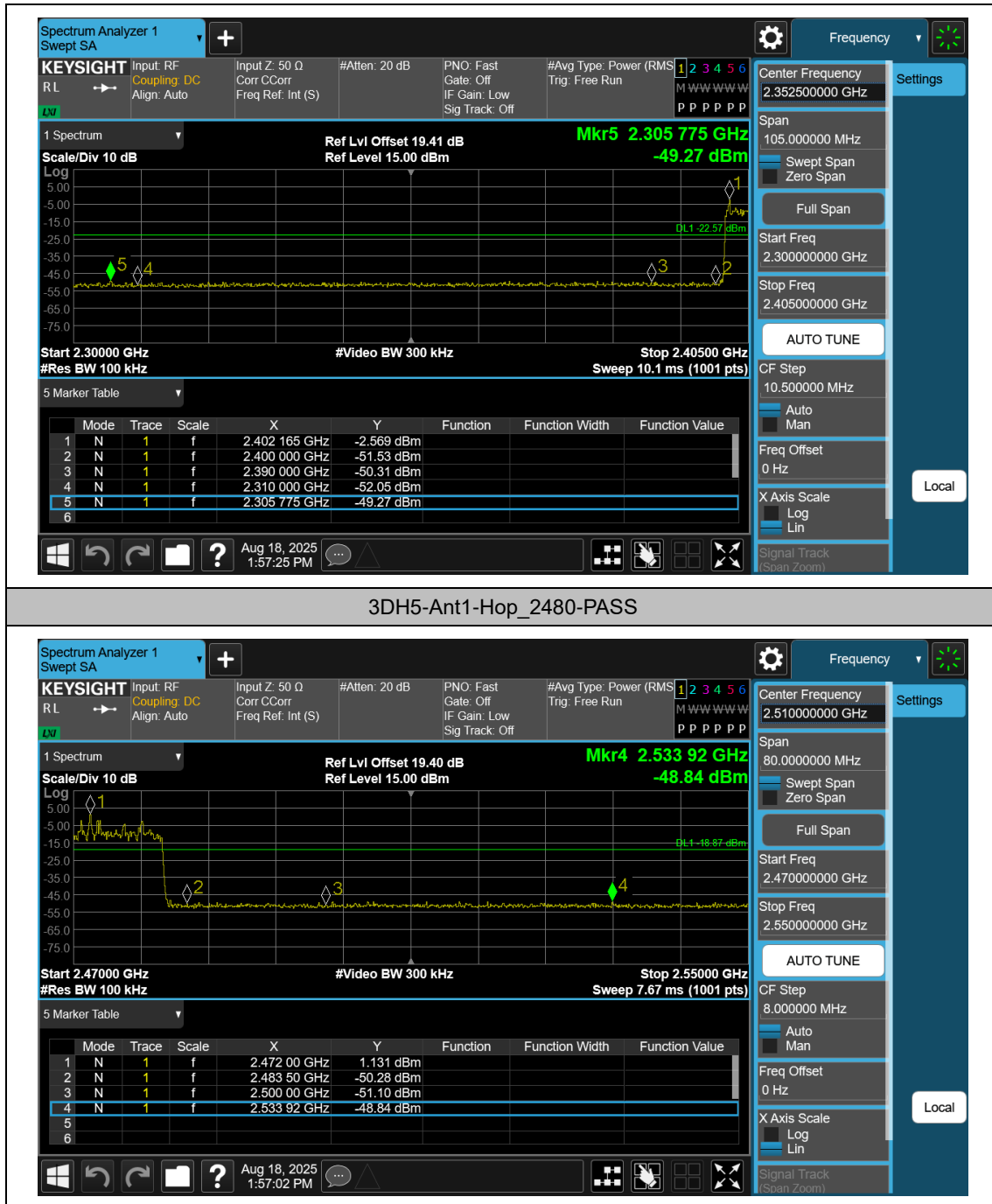












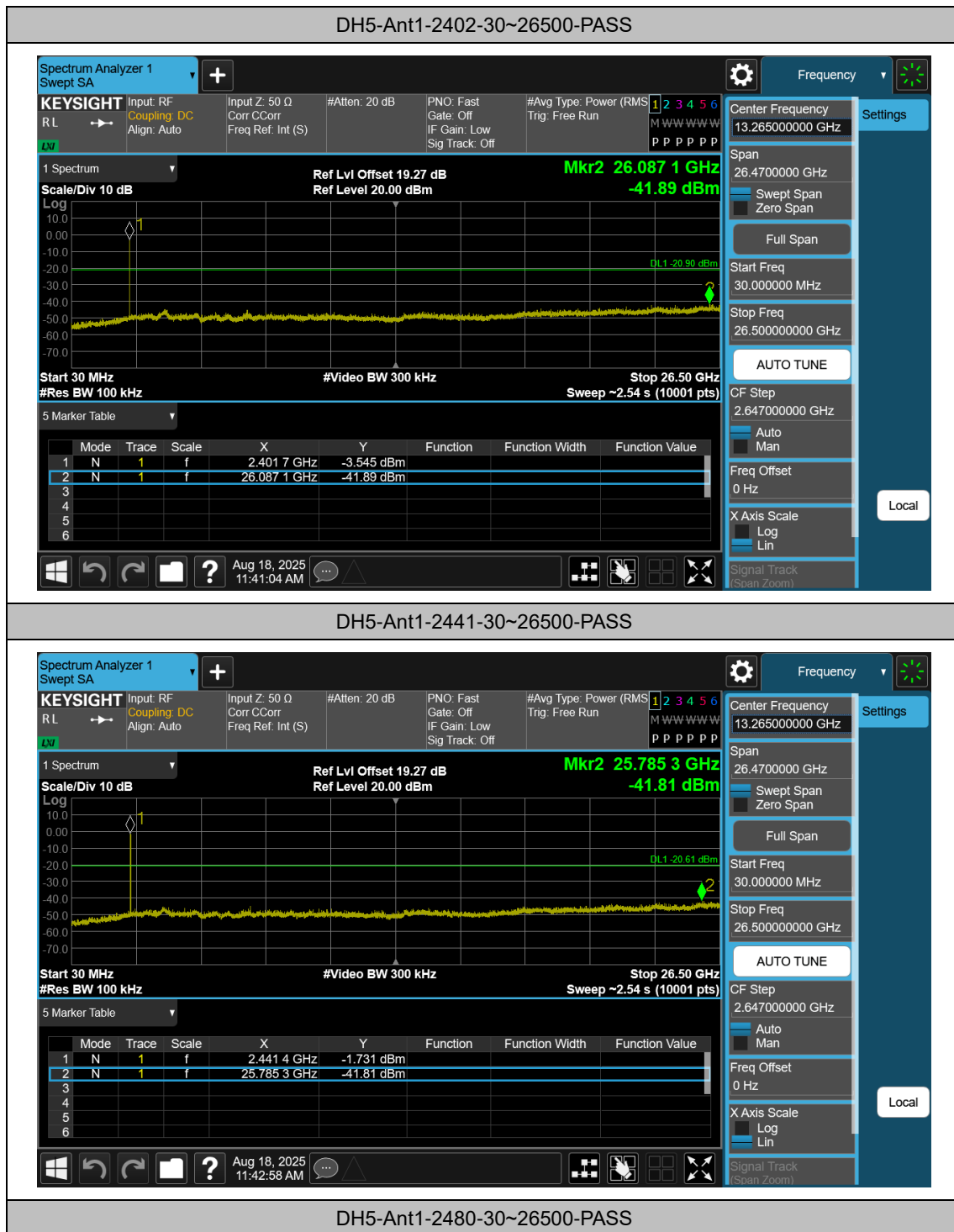
## Appendix G: Conducted Spurious Emission

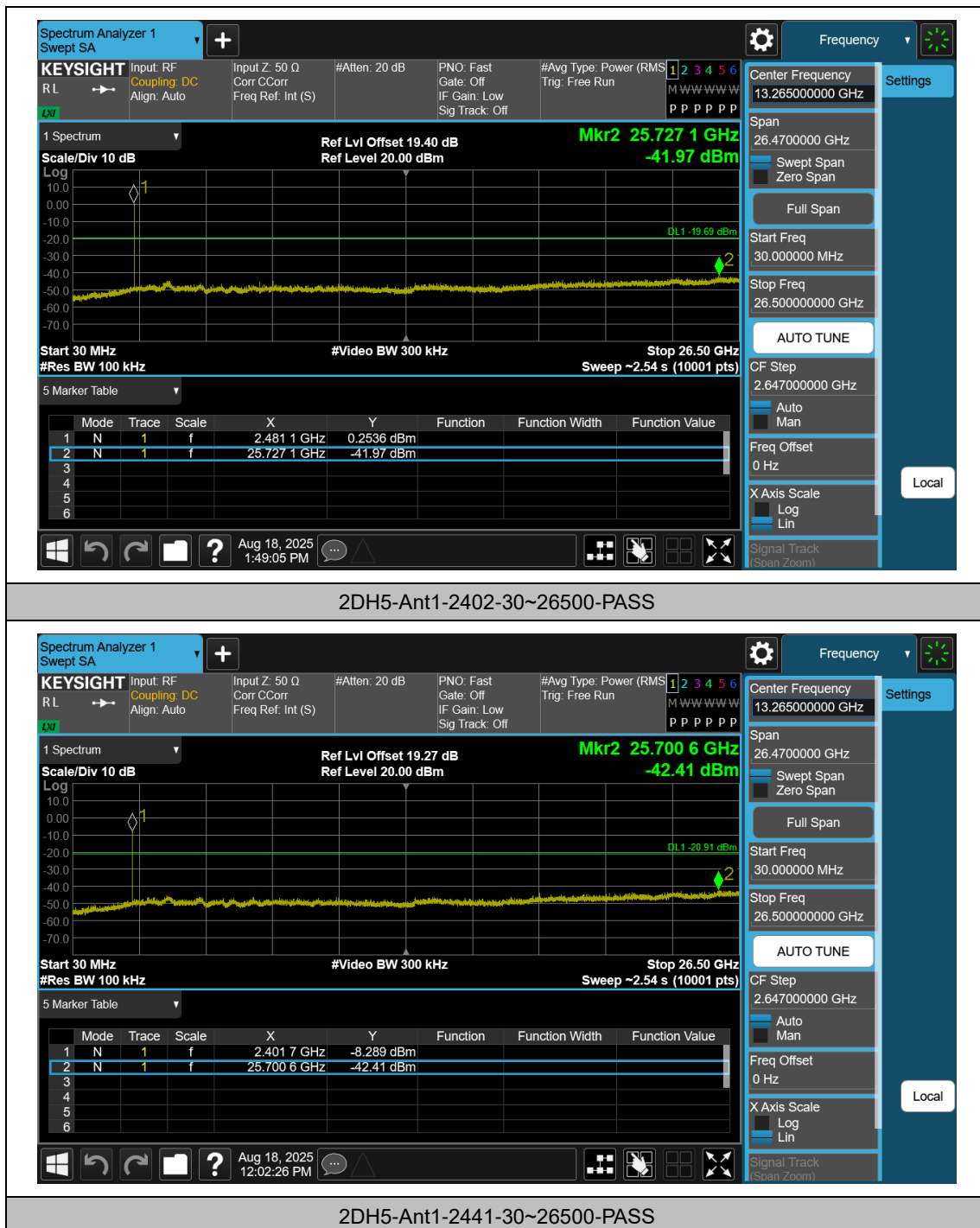
### Test Result

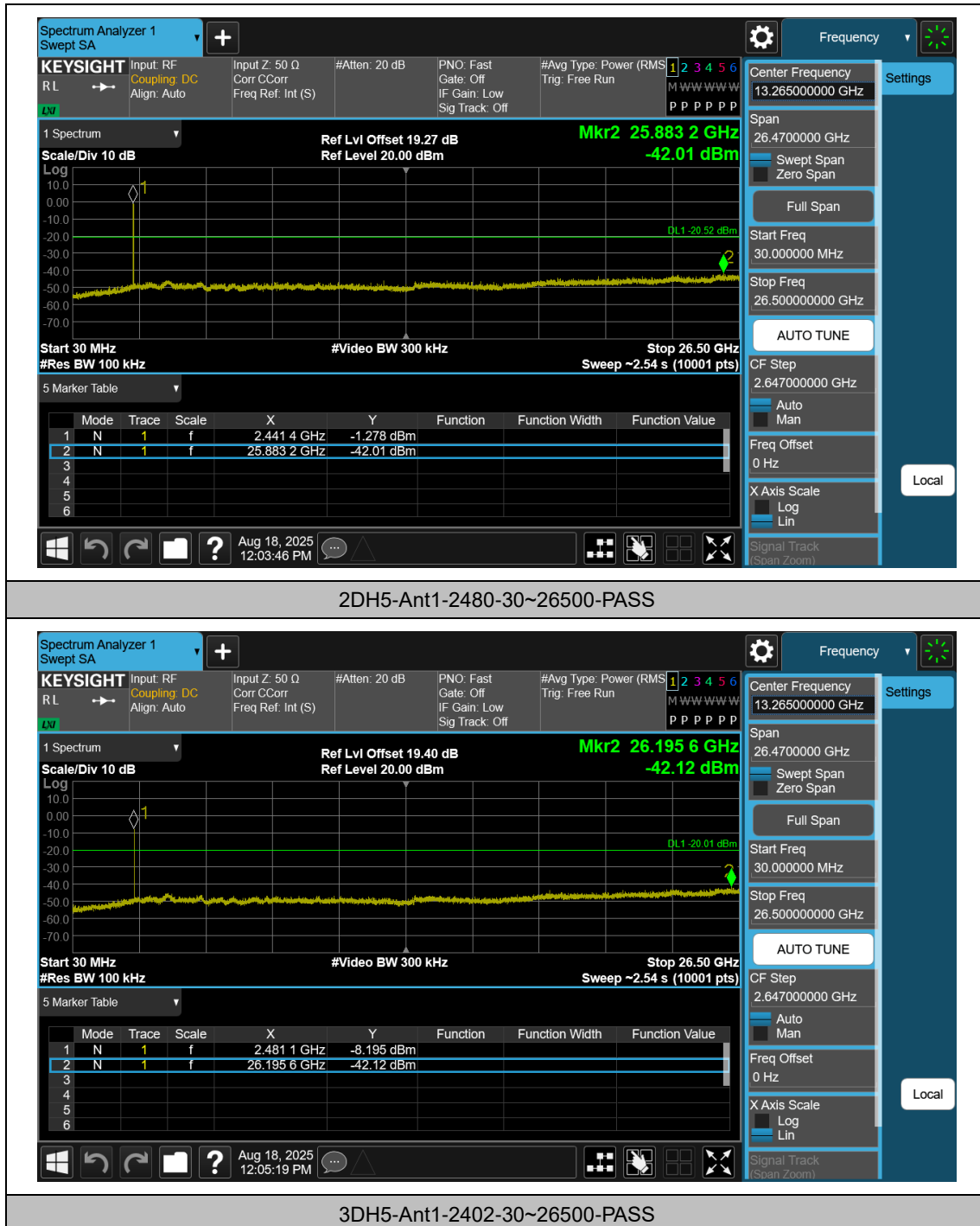
| TestMode | Antenna | Frequency[MHz] | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|----------------|-----------------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | 2402           | 30~26500        | -0.90          | -41.89       | ≤-20.9      | PASS    |
| DH5      | Ant1    | 2441           | 30~26500        | -0.61          | -41.81       | ≤-20.61     | PASS    |
| DH5      | Ant1    | 2480           | 30~26500        | 0.31           | -41.97       | ≤-19.69     | PASS    |
| 2DH5     | Ant1    | 2402           | 30~26500        | -0.91          | -42.41       | ≤-20.91     | PASS    |
| 2DH5     | Ant1    | 2441           | 30~26500        | -0.52          | -42.01       | ≤-20.52     | PASS    |
| 2DH5     | Ant1    | 2480           | 30~26500        | -0.01          | -42.12       | ≤-20.01     | PASS    |
| 3DH5     | Ant1    | 2402           | 30~26500        | 0.29           | -41.31       | ≤-19.71     | PASS    |
| 3DH5     | Ant1    | 2441           | 30~26500        | 0.03           | -42.14       | ≤-19.97     | PASS    |
| 3DH5     | Ant1    | 2480           | 30~26500        | 0.03           | -41.17       | ≤-19.97     | PASS    |

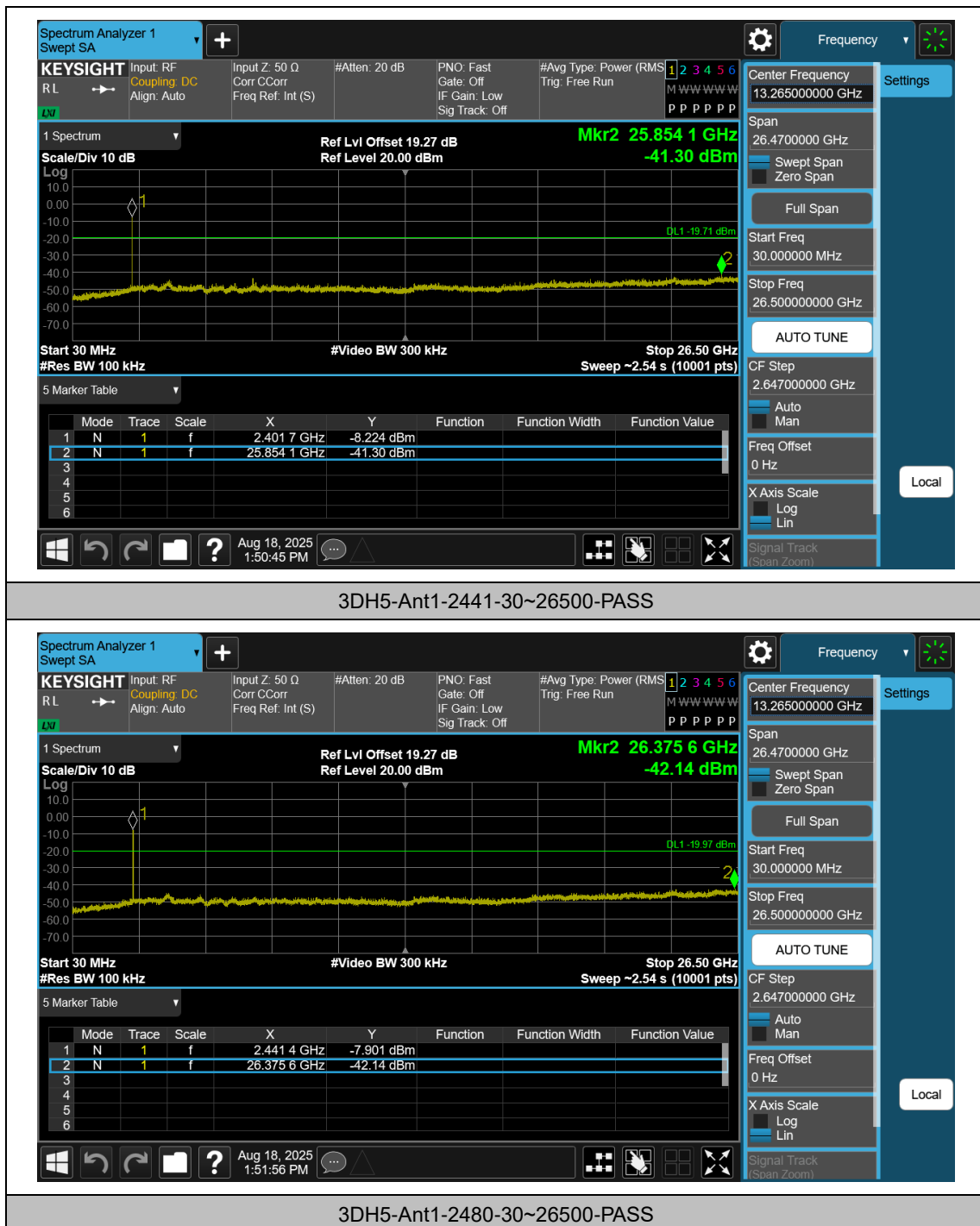


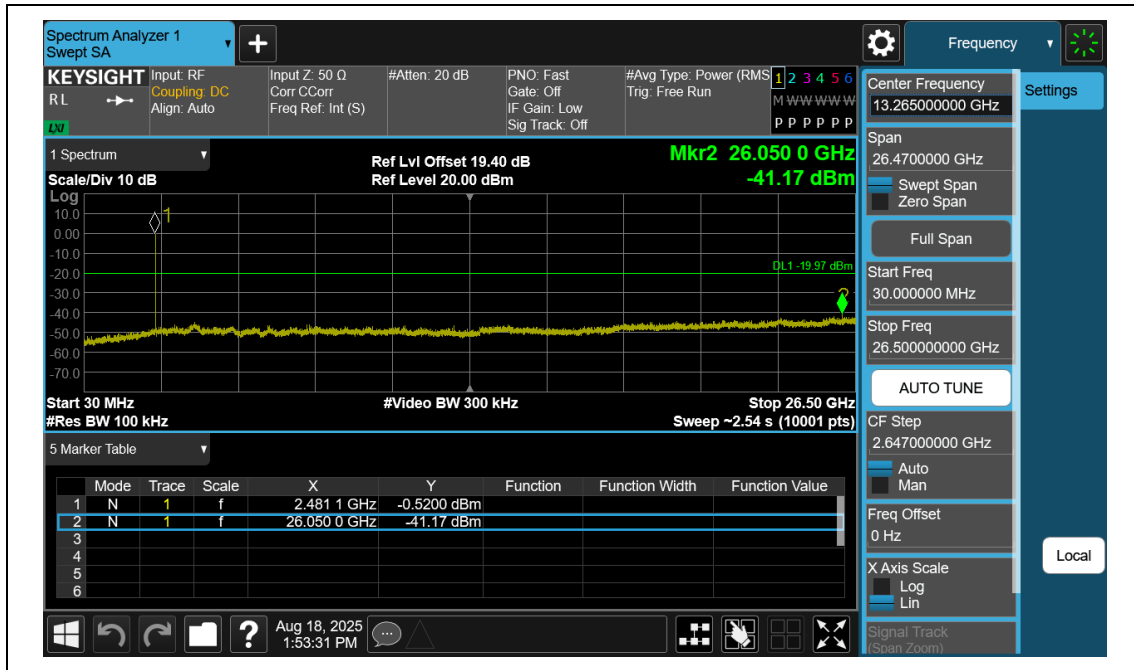
## Test Graphs











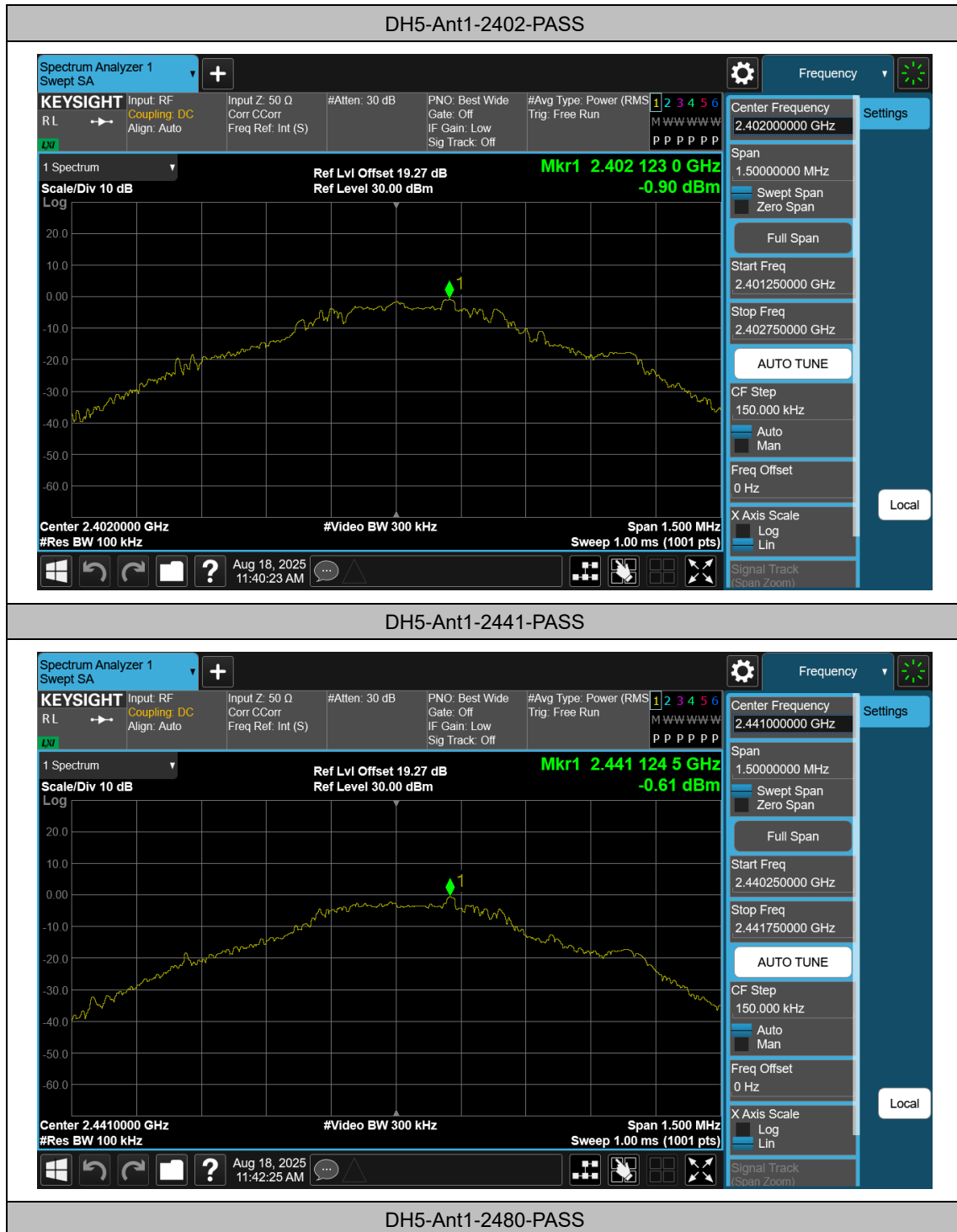
## Appendix H: Reference level measurement

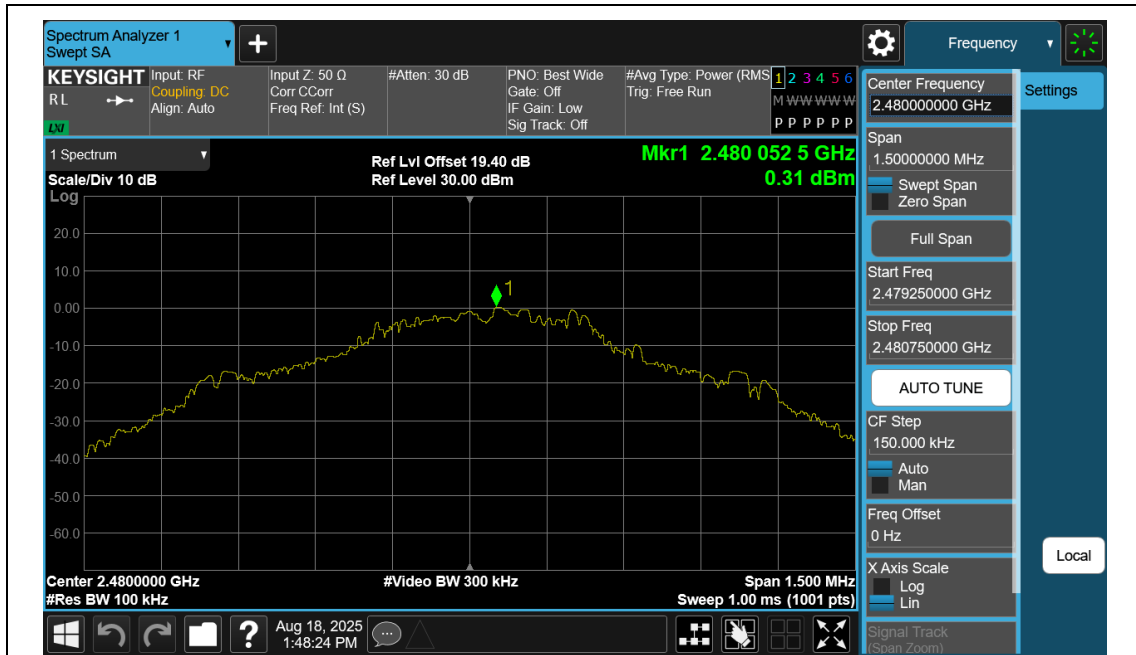
### Test Result

| TestMode | Antenna | Freq(MHz) | Max.Point[MHz] | Result[dBm] |
|----------|---------|-----------|----------------|-------------|
| DH5      | Ant1    | 2402      | 2402.12        | -0.90       |
| DH5      | Ant1    | 2441      | 2441.12        | -0.61       |
| DH5      | Ant1    | 2480      | 2480.05        | 0.31        |
| 2DH5     | Ant1    | 2402      | 2402.04        | -0.91       |
| 2DH5     | Ant1    | 2441      | 2441.02        | -0.52       |
| 2DH5     | Ant1    | 2480      | 2480.03        | -0.01       |
| 3DH5     | Ant1    | 2402      | 2402.03        | 0.29        |
| 3DH5     | Ant1    | 2441      | 2441.05        | 0.03        |
| 3DH5     | Ant1    | 2480      | 2480.12        | 0.03        |



## Test Graphs

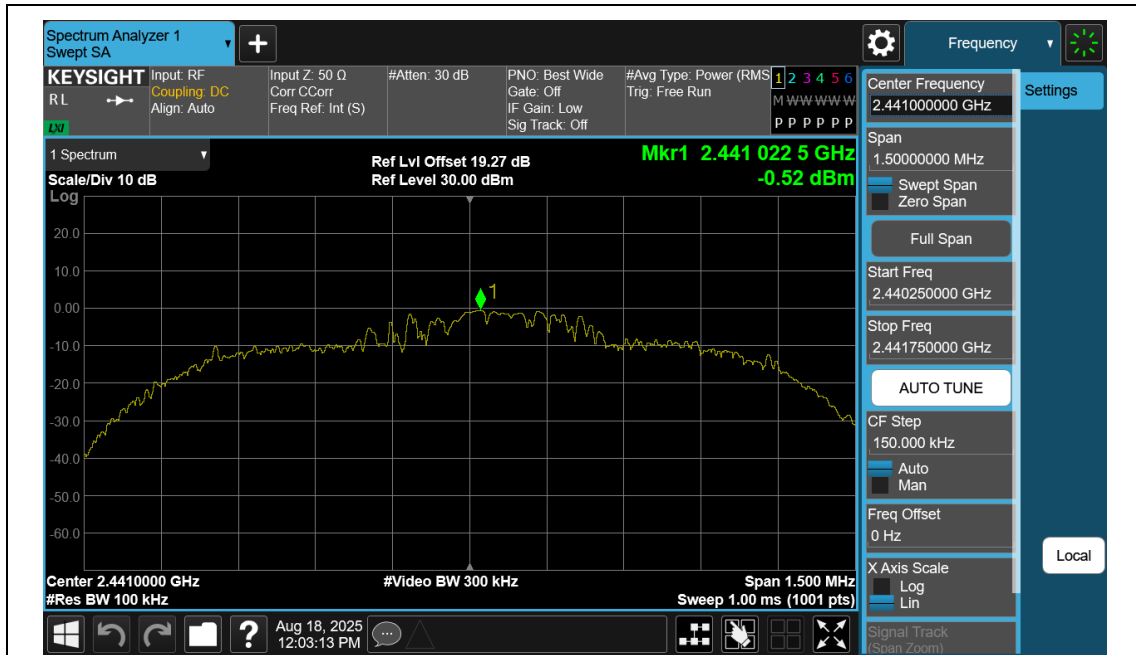




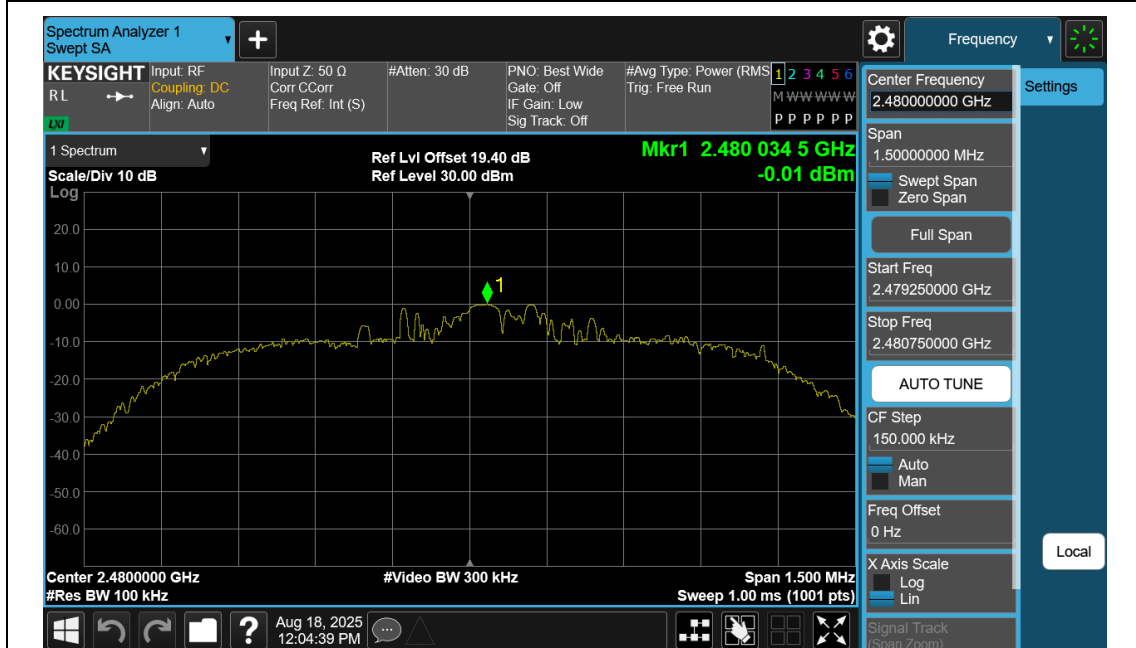
2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS



2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS

