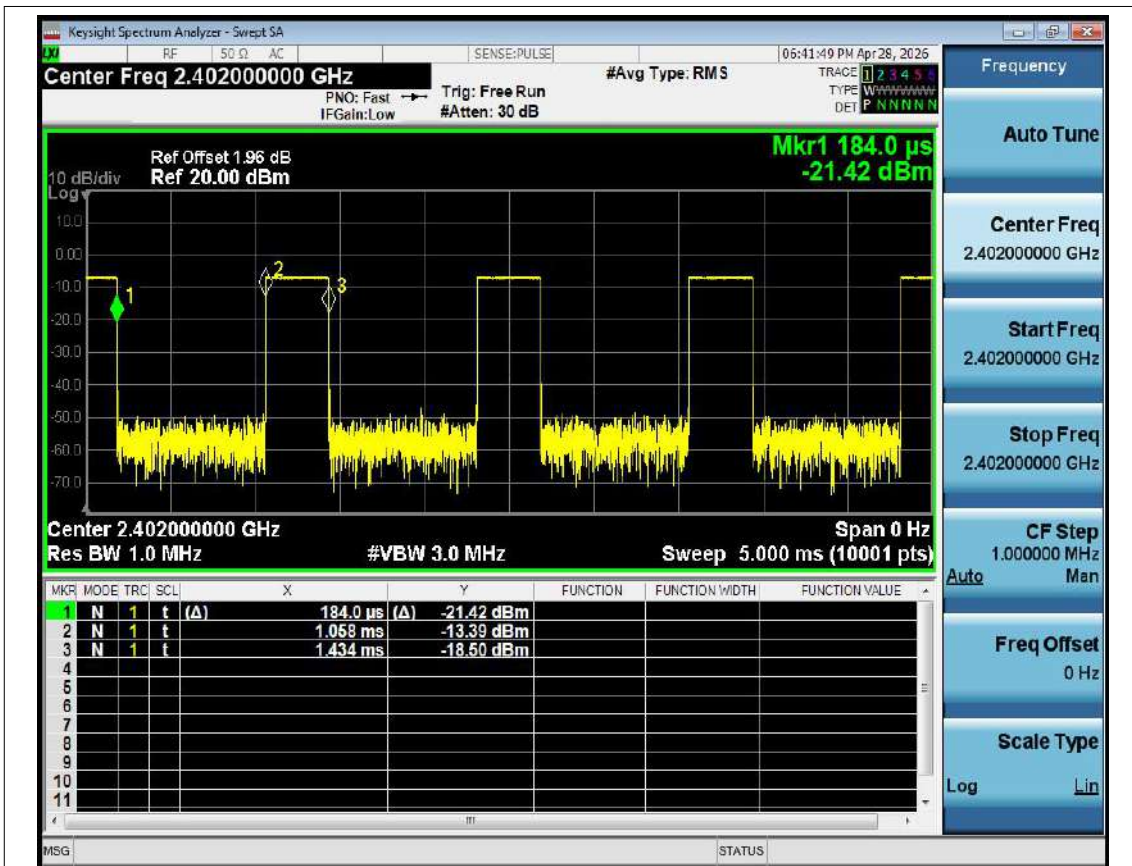


## RF Test Data

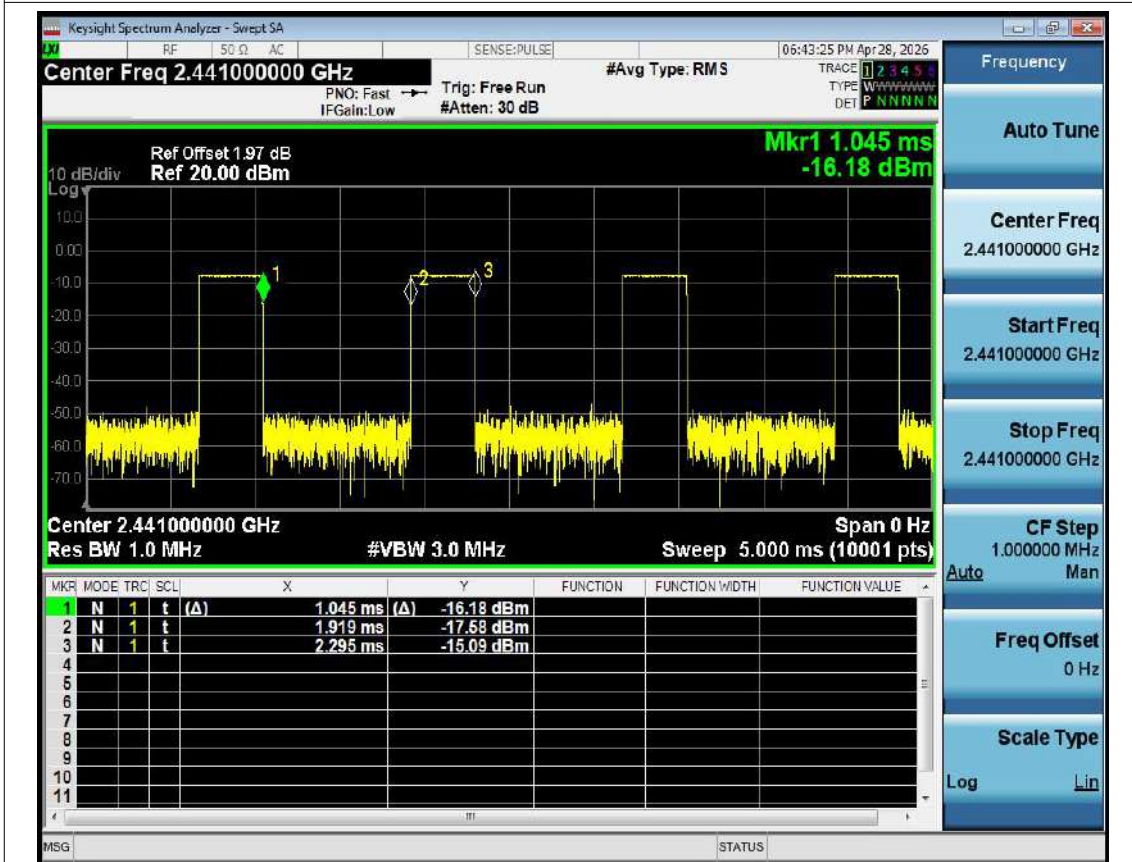
|                                           |    |
|-------------------------------------------|----|
| Duty Cycle .....                          | 2  |
| Maximum Peak Conducted Output Power ..... | 8  |
| -20dB Bandwidth .....                     | 14 |
| Occupied Channel Bandwidth .....          | 20 |
| Carrier Frequencies Separation .....      | 26 |
| Band Edge .....                           | 32 |
| Band Edge(Hopping) .....                  | 39 |
| Conducted RF Spurious Emission .....      | 46 |
| Number of Hopping Channel .....           | 56 |
| Dwell Time .....                          | 59 |

## Duty Cycle

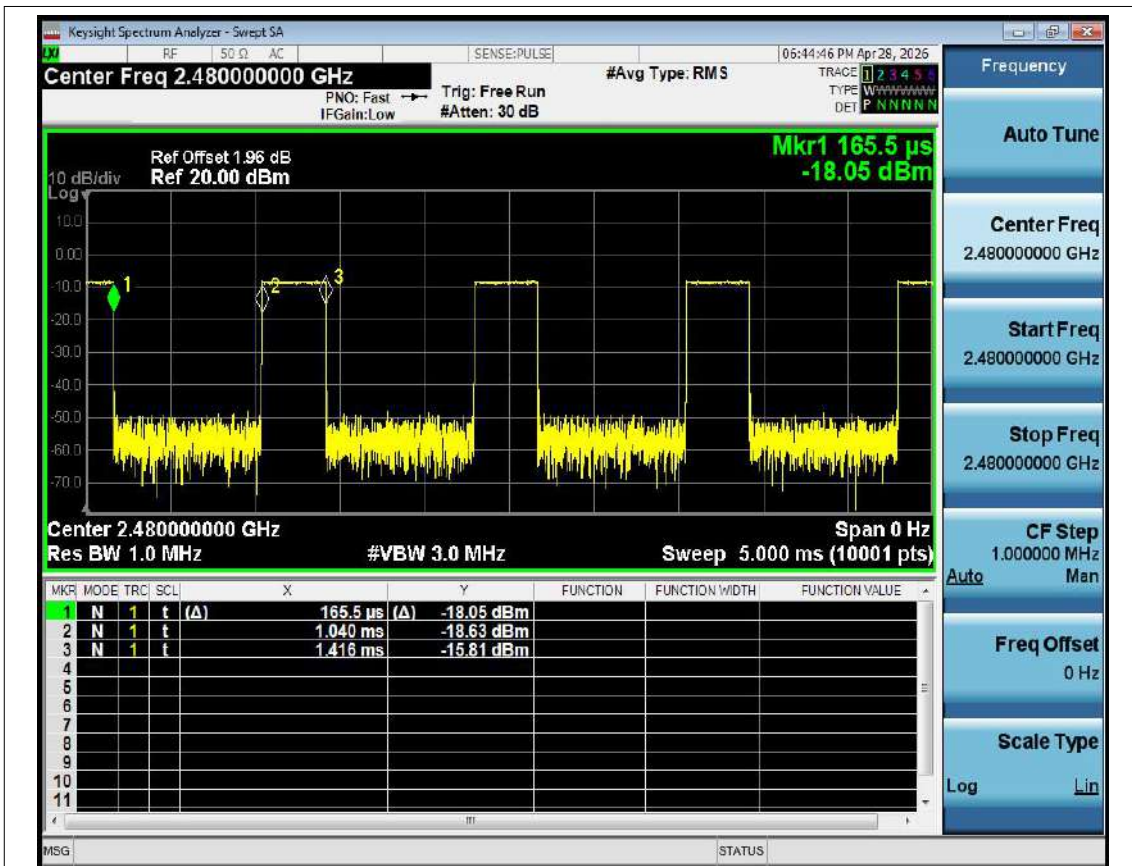
| Condition | Mode  | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|-------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 30.08          | 5.22                   | 2.66      |
| NVNT      | 1-DH1 | 2441            | Ant1    | 30.08          | 5.22                   | 2.66      |
| NVNT      | 1-DH1 | 2480            | Ant1    | 30.08          | 5.22                   | 2.66      |
| NVNT      | 2-DH1 | 2402            | Ant1    | 30.91          | 5.1                    | 2.59      |
| NVNT      | 2-DH1 | 2441            | Ant1    | 30.91          | 5.1                    | 2.59      |
| NVNT      | 2-DH1 | 2480            | Ant1    | 30.91          | 5.1                    | 2.59      |
| NVNT      | 3-DH1 | 2402            | Ant1    | 30.96          | 5.09                   | 2.58      |
| NVNT      | 3-DH1 | 2441            | Ant1    | 31.03          | 5.08                   | 2.58      |
| NVNT      | 3-DH1 | 2480            | Ant1    | 13.4           | 8.73                   | 7.49      |



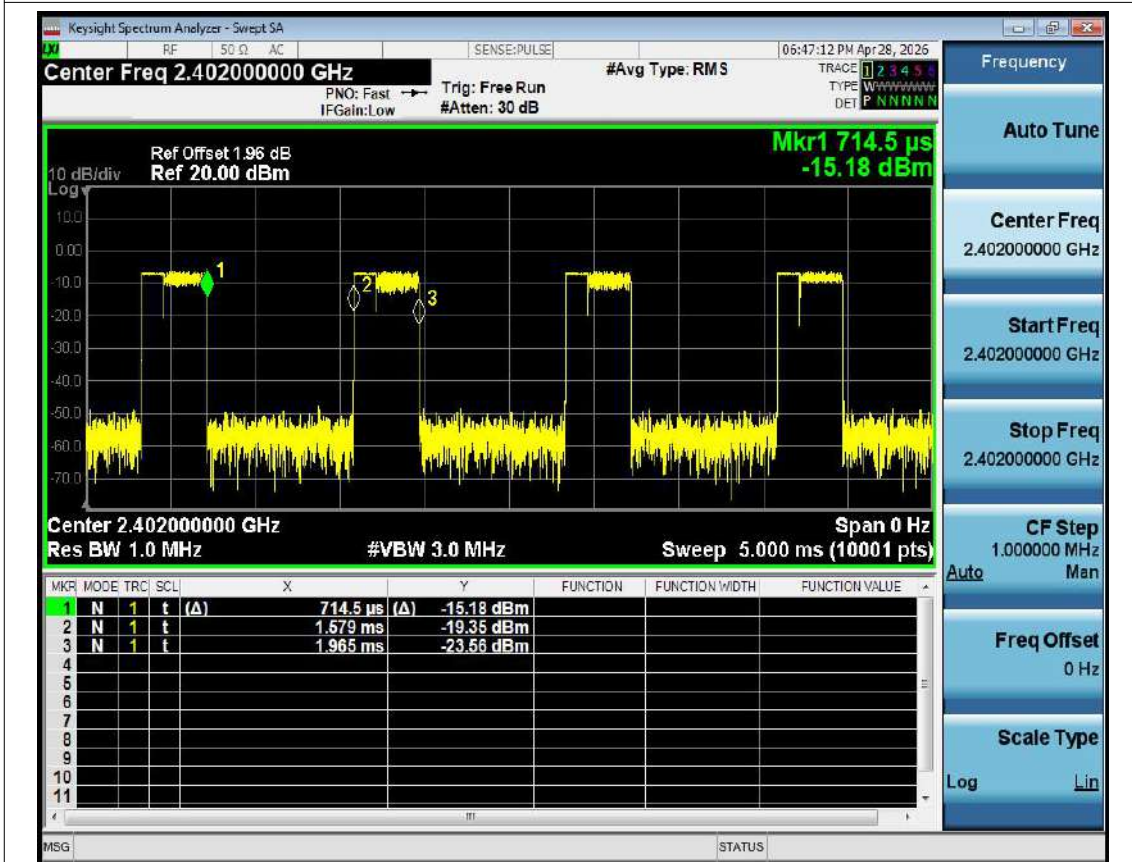
Duty Cycle NVNT 1-DH1 2402MHz Ant1



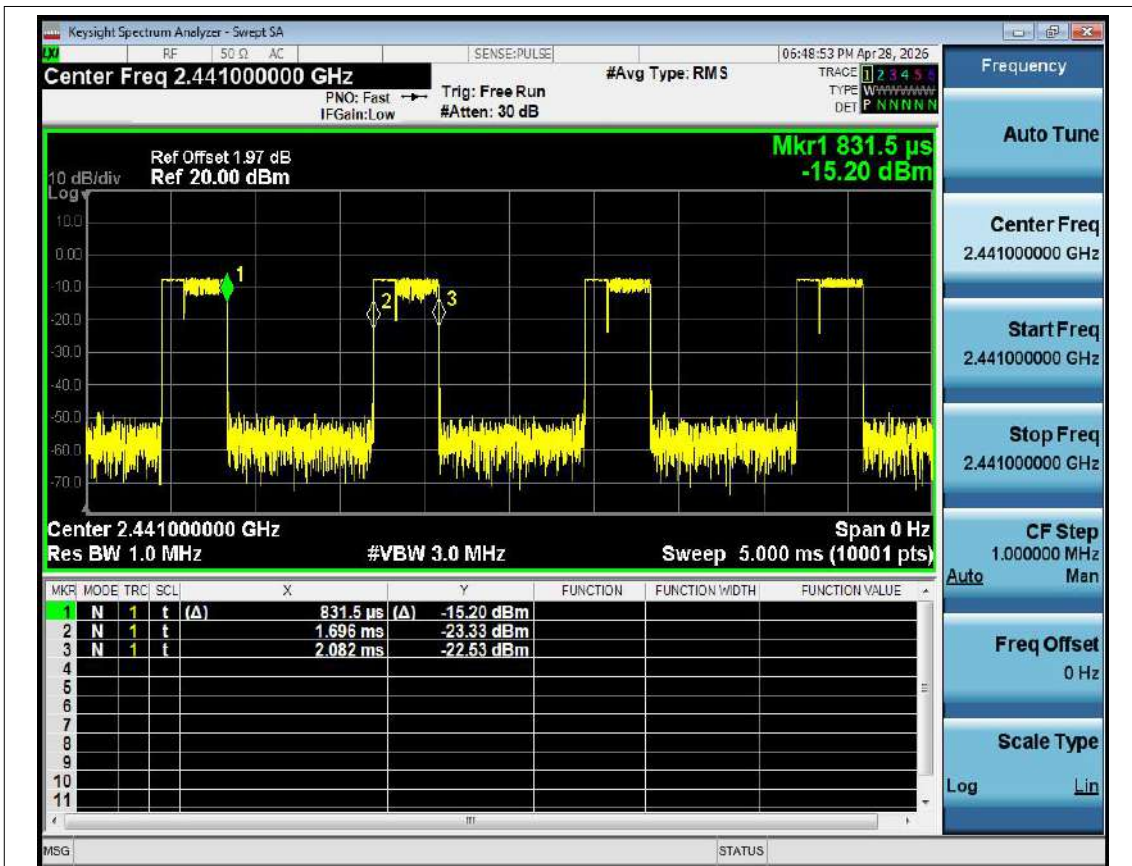
Duty Cycle NVNT 1-DH1 2441MHz Ant1



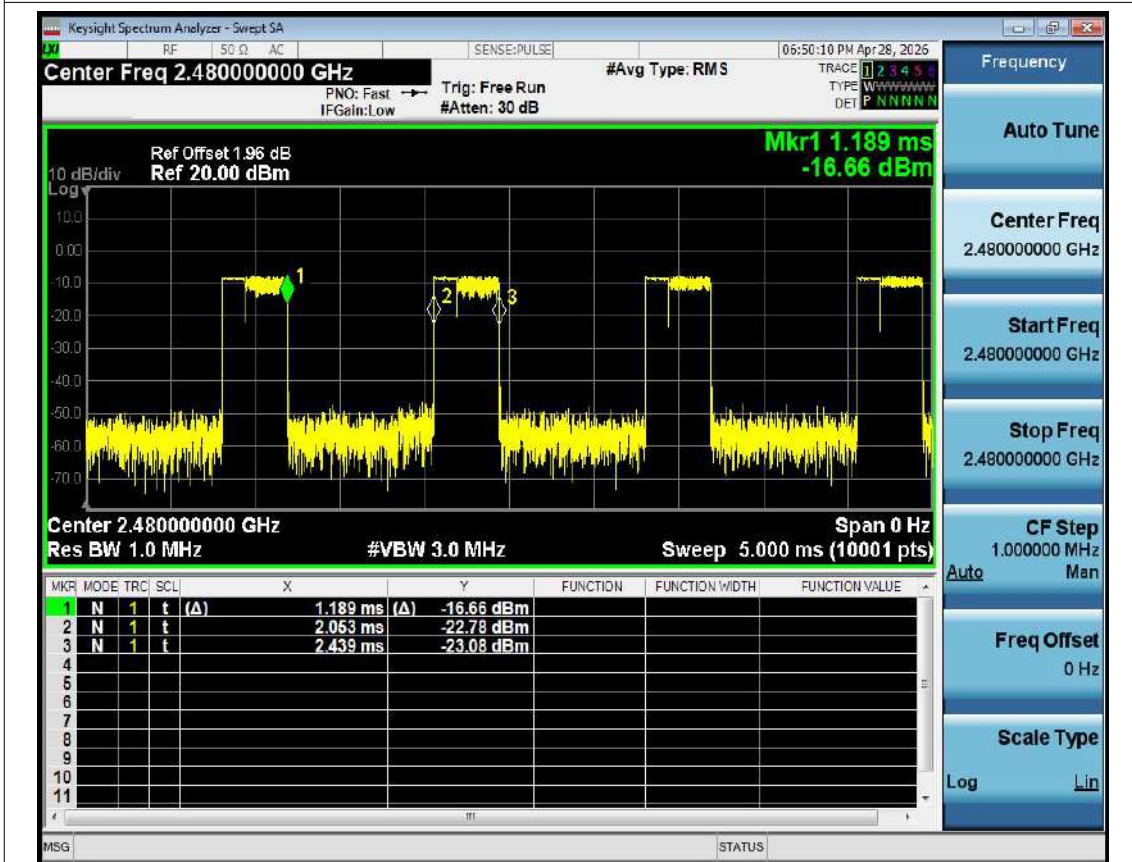
Duty Cycle NVNT 1-DH1 2480MHz Ant1



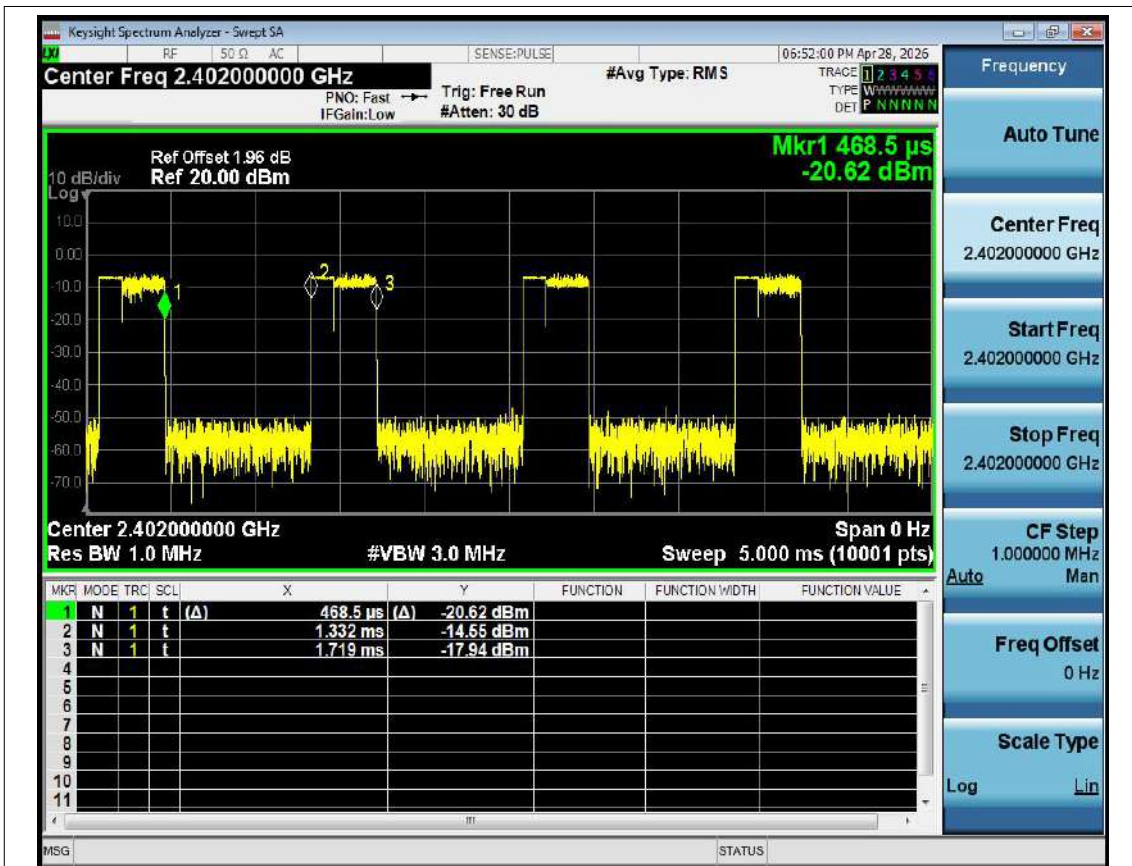
Duty Cycle NVNT 2-DH1 2402MHz Ant1



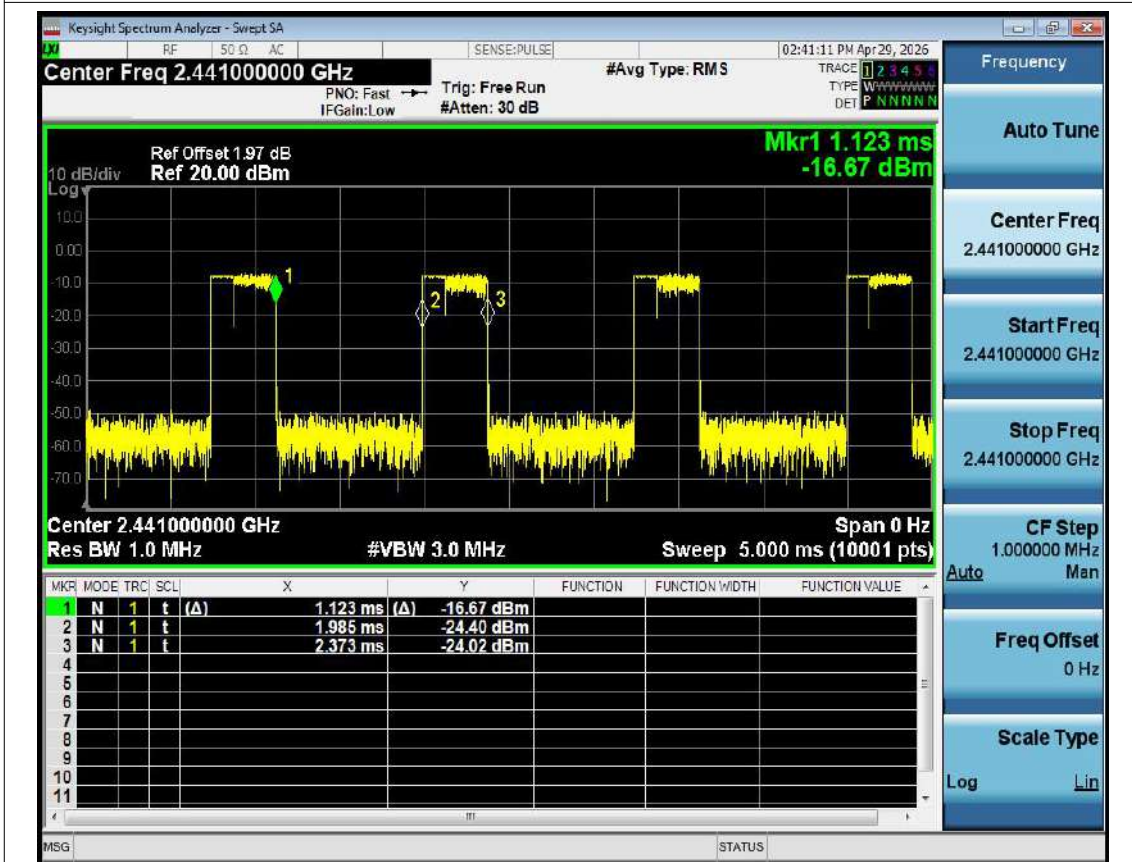
Duty Cycle NVNT 2-DH1 2441MHz Ant1



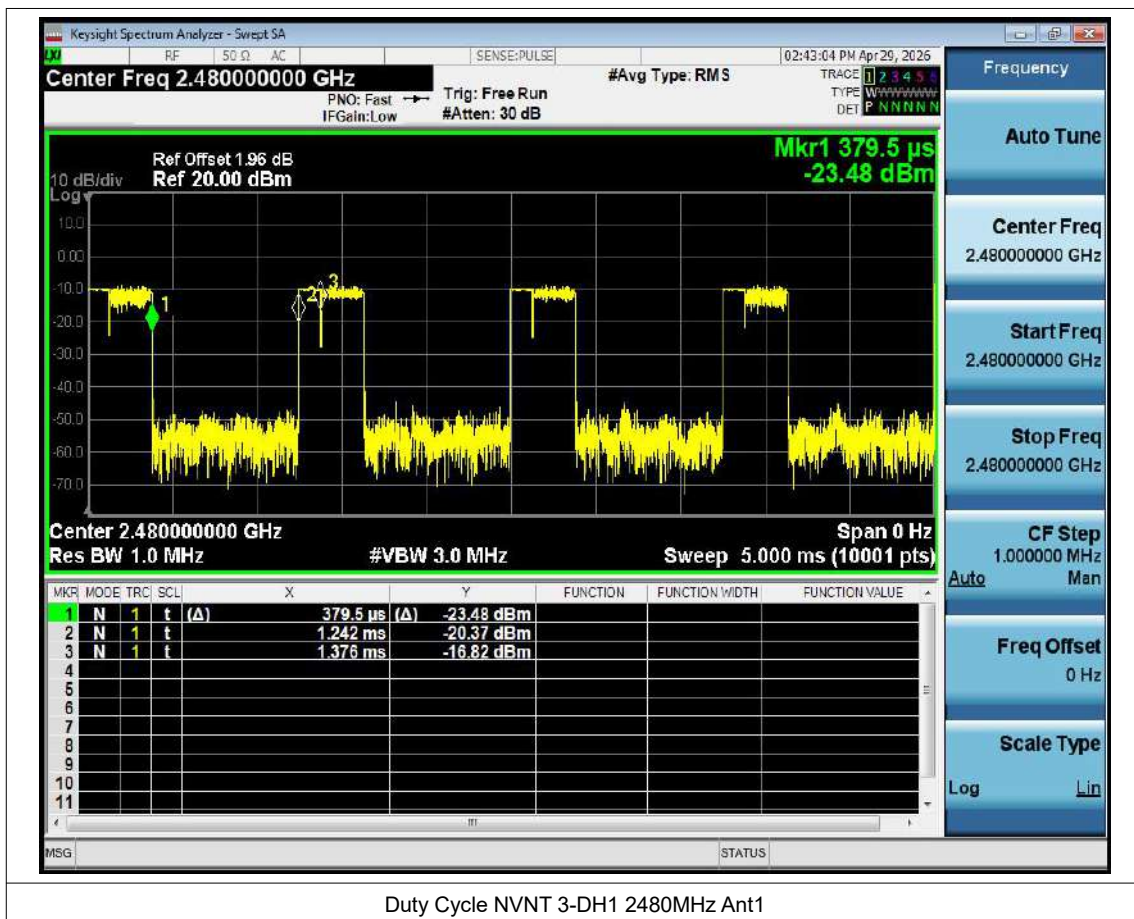
Duty Cycle NVNT 2-DH1 2480MHz Ant1



Duty Cycle NVNT 3-DH1 2402MHz Ant1



Duty Cycle NVNT 3-DH1 2441MHz Ant1



## Maximum Peak Conducted Output Power

| Condition | Mode  | Frequency (MHz) | Antenna | Conducted Power (dBm) | Total Conducted Power (W) | Limit Conducted(dBm) | Verdict |
|-----------|-------|-----------------|---------|-----------------------|---------------------------|----------------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | -2.3                  | 0.00059                   | 21                   | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | -2.99                 | 0.0005                    | 21                   | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | -3.83                 | 0.00041                   | 21                   | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | -1.5                  | 0.00071                   | 21                   | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | -2.18                 | 0.00061                   | 21                   | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | -2.98                 | 0.0005                    | 21                   | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | -0.89                 | 0.00081                   | 21                   | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | -1.67                 | 0.00068                   | 21                   | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | -2.38                 | 0.00058                   | 21                   | Pass    |



Peak Power NVNT 1-DH1 2402MHz Ant1



Peak Power NVNT 1-DH1 2441MHz Ant1



Peak Power NVNT 1-DH1 2480MHz Ant1



Peak Power NVNT 2-DH1 2402MHz Ant1



Peak Power NVNT 2-DH1 2441MHz Ant1



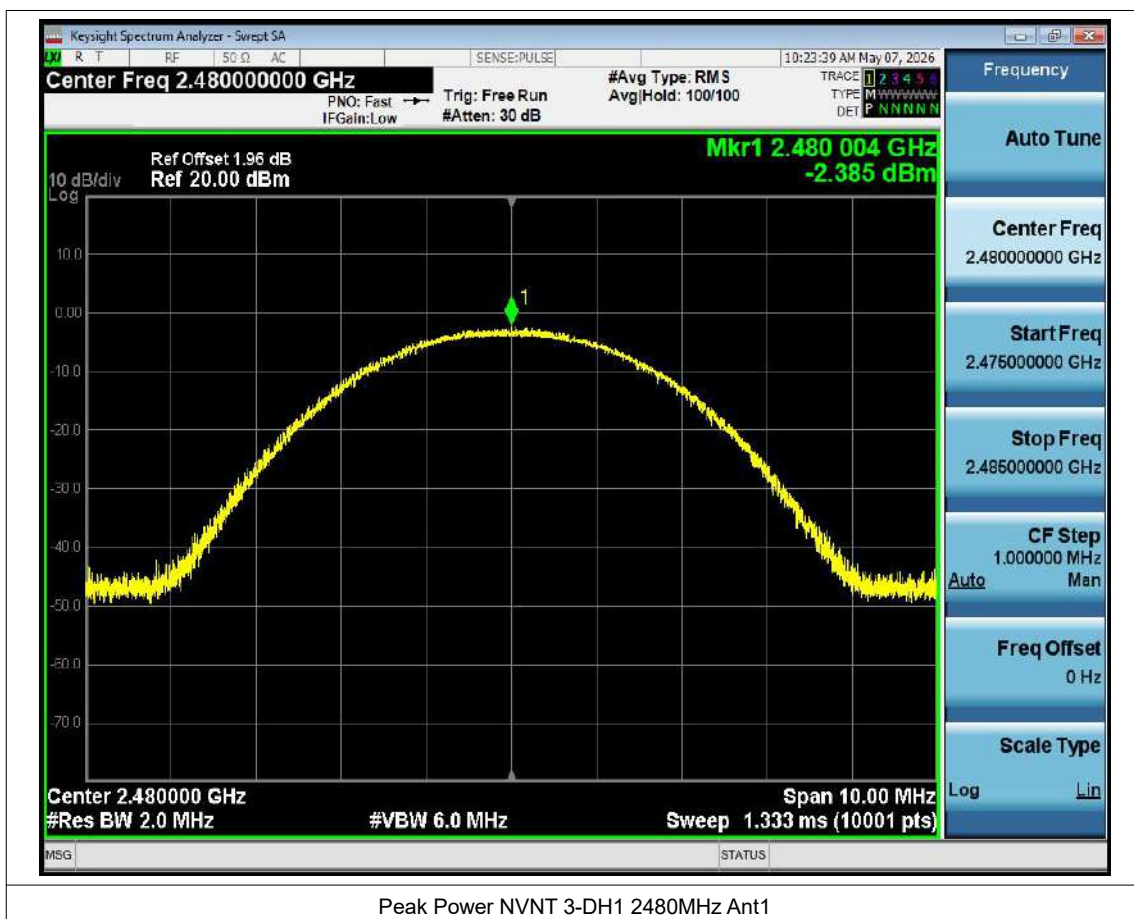
Peak Power NVNT 2-DH1 2480MHz Ant1



Peak Power NVNT 3-DH1 2402MHz Ant1



Peak Power NVNT 3-DH1 2441MHz Ant1



## -20dB Bandwidth

| Condition | Mode  | Frequency<br>(MHz) | Antenna | -20 dB Bandwidth<br>(MHz) | Limit -20 dB Bandwidth<br>(MHz) | Verdict |
|-----------|-------|--------------------|---------|---------------------------|---------------------------------|---------|
| NVNT      | 1-DH1 | 2402               | Ant1    | 0.9146                    | 0                               | Pass    |
| NVNT      | 1-DH1 | 2441               | Ant1    | 0.9268                    | 0                               | Pass    |
| NVNT      | 1-DH1 | 2480               | Ant1    | 0.9948                    | 0                               | Pass    |
| NVNT      | 2-DH1 | 2402               | Ant1    | 1.26                      | 0                               | Pass    |
| NVNT      | 2-DH1 | 2441               | Ant1    | 1.25                      | 0                               | Pass    |
| NVNT      | 2-DH1 | 2480               | Ant1    | 1.251                     | 0                               | Pass    |
| NVNT      | 3-DH1 | 2402               | Ant1    | 1.245                     | 0                               | Pass    |
| NVNT      | 3-DH1 | 2441               | Ant1    | 1.246                     | 0                               | Pass    |
| NVNT      | 3-DH1 | 2480               | Ant1    | 1.265                     | 0                               | Pass    |



-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



## Occupied Channel Bandwidth

| Condition | Mode  | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|-------|-----------------|---------|---------------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 0.90687       |
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.85608       |
| NVNT      | 1-DH1 | 2480            | Ant1    | 0.87543       |
| NVNT      | 2-DH1 | 2402            | Ant1    | 1.1664        |
| NVNT      | 2-DH1 | 2441            | Ant1    | 1.164         |
| NVNT      | 2-DH1 | 2480            | Ant1    | 1.178         |
| NVNT      | 3-DH1 | 2402            | Ant1    | 1.1612        |
| NVNT      | 3-DH1 | 2441            | Ant1    | 1.1687        |
| NVNT      | 3-DH1 | 2480            | Ant1    | 1.1716        |



OBW NVNT 1-DH1 2402MHz Ant1



OBW NVNT 1-DH1 2441MHz Ant1



OBW NVNT 1-DH1 2480MHz Ant1



OBW NVNT 2-DH1 2402MHz Ant1



OBW NVNT 2-DH1 2441MHz Ant1



OBW NVNT 2-DH1 2480MHz Ant1



OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1



## Carrier Frequencies Separation

| Condition | Mode  | Antenna | Hopping Freq1<br>(MHz) | Hopping Freq2<br>(MHz) | HFS<br>(MHz) | Limit<br>(MHz) | Verdict |
|-----------|-------|---------|------------------------|------------------------|--------------|----------------|---------|
| NVNT      | 1-DH1 | Ant1    | 2402.024               | 2402.998               | 0.974        | 0.61           | Pass    |
| NVNT      | 1-DH1 | Ant1    | 2441.008               | 2441.976               | 0.968        | 0.618          | Pass    |
| NVNT      | 1-DH1 | Ant1    | 2478.986               | 2479.994               | 1.008        | 0.663          | Pass    |
| NVNT      | 2-DH1 | Ant1    | 2402.006               | 2403.008               | 1.002        | 0.84           | Pass    |
| NVNT      | 2-DH1 | Ant1    | 2440.99                | 2441.898               | 0.908        | 0.833          | Pass    |
| NVNT      | 2-DH1 | Ant1    | 2479.008               | 2480.002               | 0.994        | 0.834          | Pass    |
| NVNT      | 3-DH1 | Ant1    | 2401.992               | 2402.998               | 1.006        | 0.83           | Pass    |
| NVNT      | 3-DH1 | Ant1    | 2440.984               | 2442.002               | 1.018        | 0.831          | Pass    |
| NVNT      | 3-DH1 | Ant1    | 2479                   | 2479.988               | 0.988        | 0.843          | Pass    |



CFS NVNT 1-DH1 2402MHz Ant1



CFS NVNT 1-DH1 2441MHz Ant1



CFS NVNT 1-DH1 2480MHz Ant1



CFS NVNT 2-DH1 2402MHz Ant1



CFS NVNT 2-DH1 2441MHz Ant1



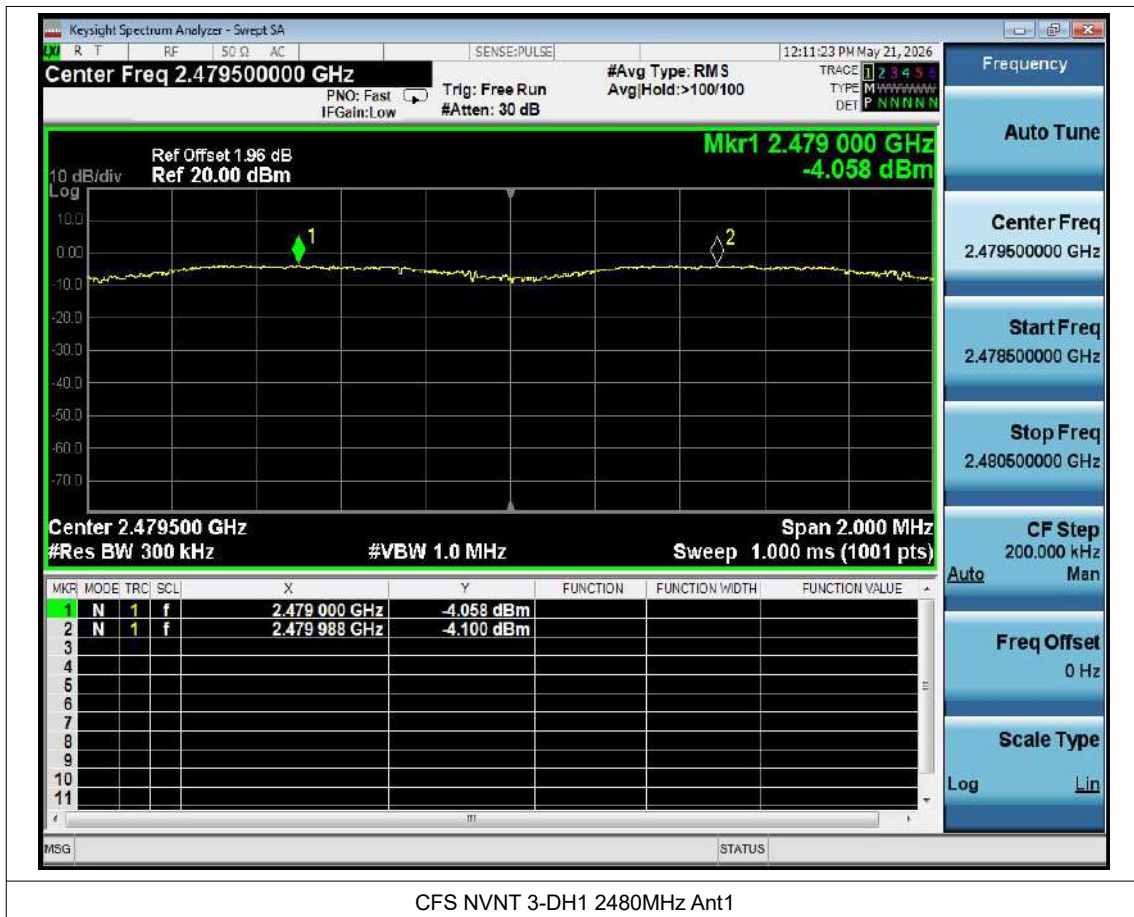
CFS NVNT 2-DH1 2480MHz Ant1



CFS NVNT 3-DH1 2402MHz Ant1



CFS NVNT 3-DH1 2441MHz Ant1

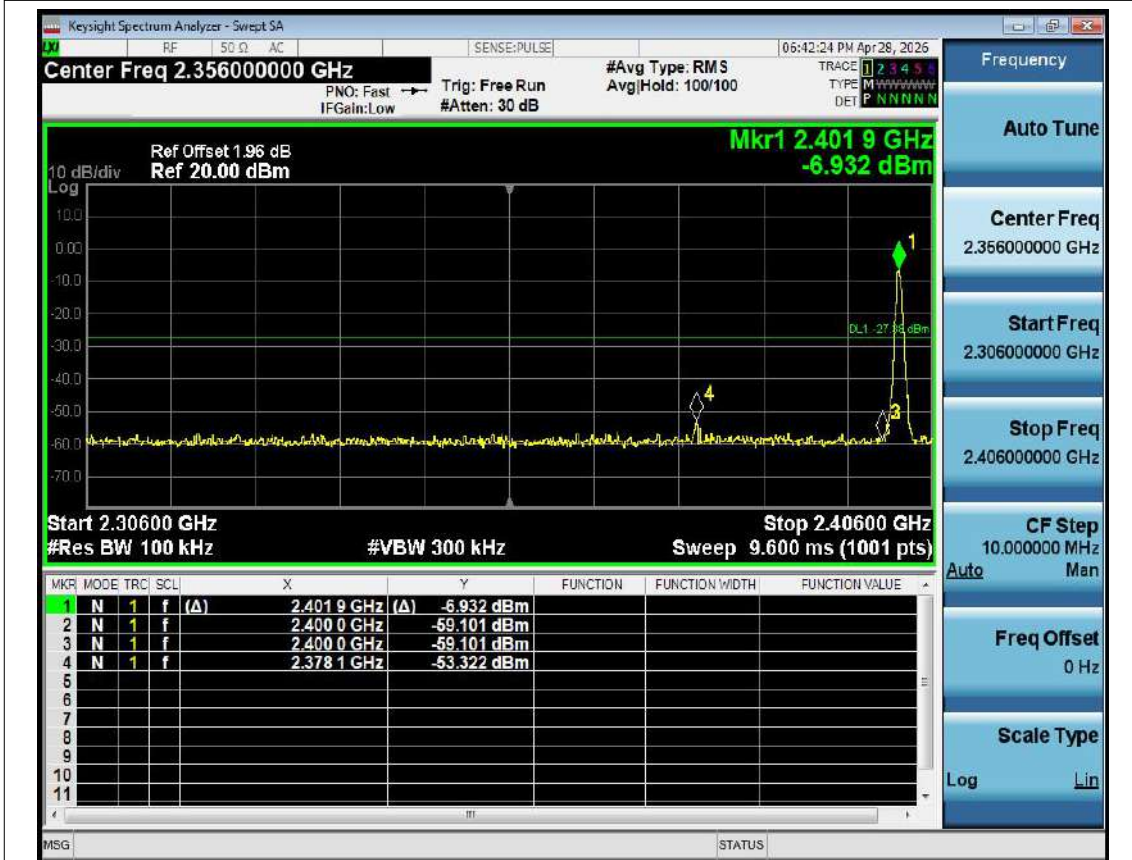


## Band Edge

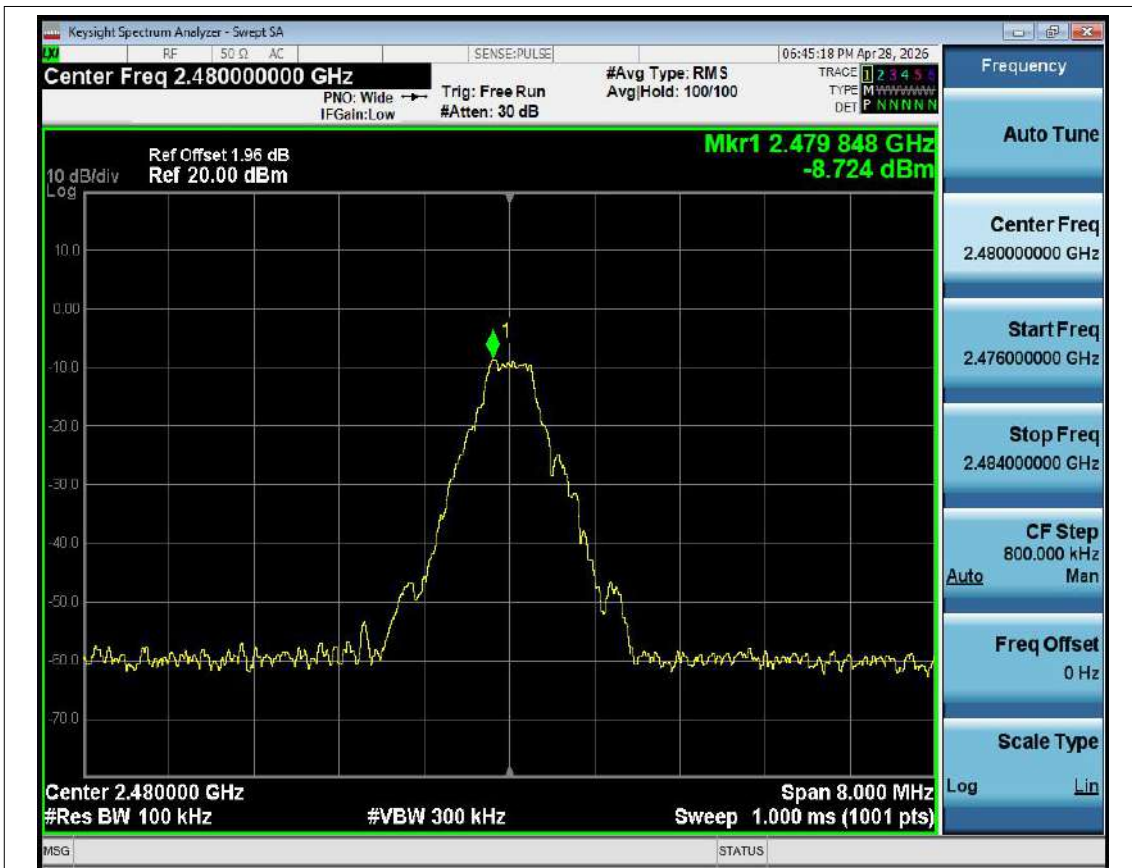
| Condition | Mode  | Frequency<br>(MHz) | Antenna | Hopping<br>Mode | Max Value<br>(dBc) | Limit<br>(dBc) | Verdict |
|-----------|-------|--------------------|---------|-----------------|--------------------|----------------|---------|
| NVNT      | 1-DH1 | 2402               | Ant1    | No-Hopping      | -45.94             | -20            | Pass    |
| NVNT      | 1-DH1 | 2480               | Ant1    | No-Hopping      | -47.33             | -20            | Pass    |
| NVNT      | 2-DH1 | 2402               | Ant1    | No-Hopping      | -47.77             | -20            | Pass    |
| NVNT      | 2-DH1 | 2480               | Ant1    | No-Hopping      | -48.27             | -20            | Pass    |
| NVNT      | 3-DH1 | 2402               | Ant1    | No-Hopping      | -47.34             | -20            | Pass    |
| NVNT      | 3-DH1 | 2480               | Ant1    | No-Hopping      | -46.07             | -20            | Pass    |



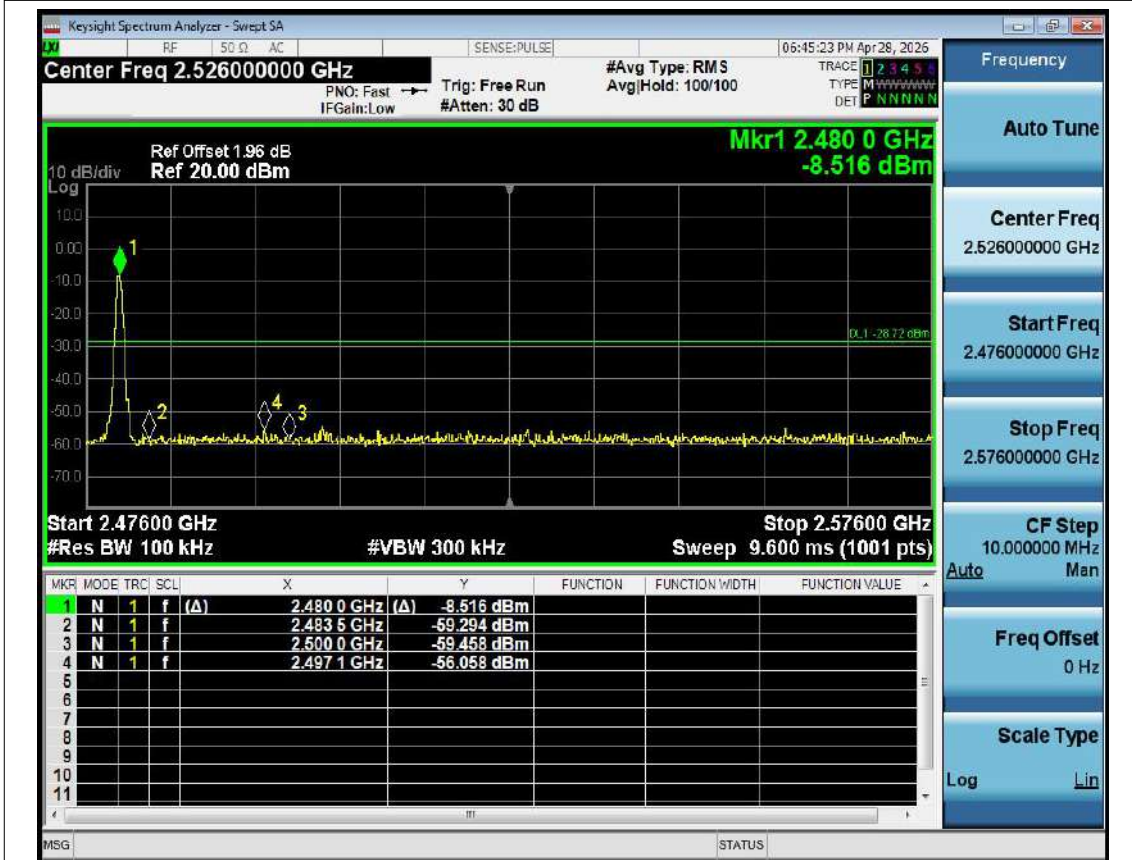
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission