

**Table of Contents**

1.Dwell Time .....2

2.Maximum Peak Conducted Output Power ..... 12

3.-20dB Bandwidth .....18

4.Carrier Frequencies Separation ..... 24

5.Number of Hopping Channel ..... 30

6.Band Edge ..... 36

7.Band Edge(Hopping) .....43

8.Conducted RF Spurious Emission .....50

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## FCC\_BT(Part15.247) Test Data

### 1.Dwell Time

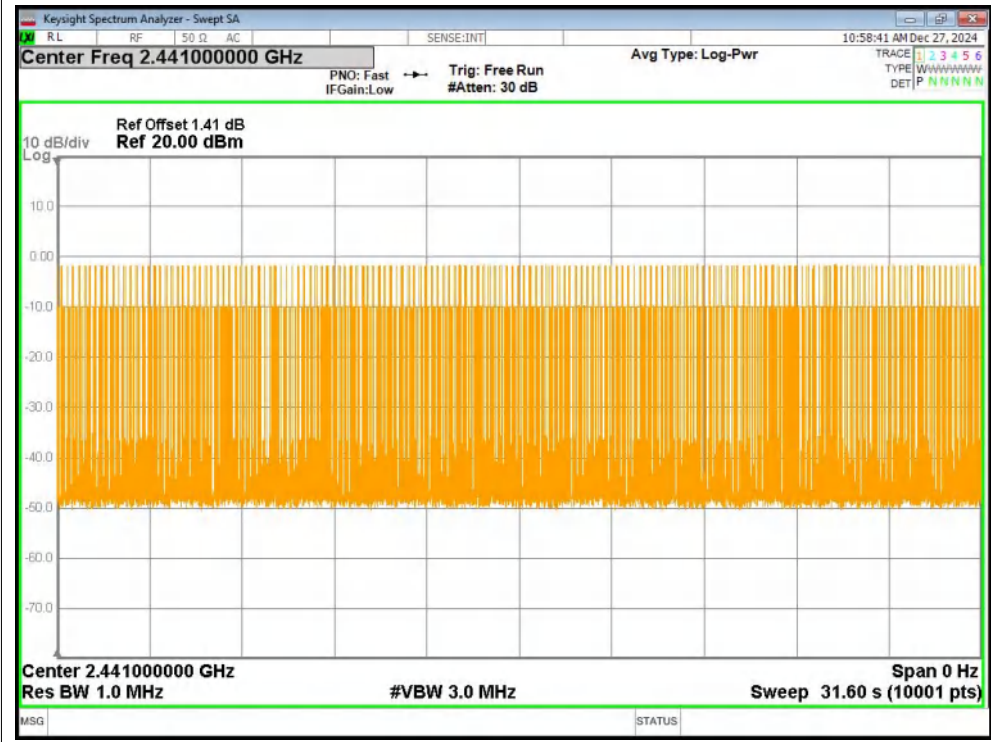
| Mode  | Frequency (MHz) | Pulse Time (ms) | Total Dwell Time (ms) | Burst Count | Period Time (ms) | Limit (ms) | Verdict |
|-------|-----------------|-----------------|-----------------------|-------------|------------------|------------|---------|
| 1-DH1 | 2441            | 0.376           | 120.32                | 320         | 31600            | 400        | Pass    |
| 1-DH3 | 2441            | 1.632           | 254.592               | 156         | 31600            | 400        | Pass    |
| 1-DH5 | 2441            | 2.88            | 302.4                 | 105         | 31600            | 400        | Pass    |
| 2-DH1 | 2441            | 0.379           | 119.764               | 316         | 31600            | 400        | Pass    |
| 2-DH3 | 2441            | 1.63            | 252.65                | 155         | 31600            | 400        | Pass    |
| 2-DH5 | 2441            | 2.885           | 291.385               | 101         | 31600            | 400        | Pass    |
| 3-DH1 | 2441            | 0.387           | 122.679               | 317         | 31600            | 400        | Pass    |
| 3-DH3 | 2441            | 1.637           | 268.468               | 164         | 31600            | 400        | Pass    |
| 3-DH5 | 2441            | 2.888           | 309.016               | 107         | 31600            | 400        | Pass    |

Test Graphs

Dwell NVNT 1-DH1 2441MHz Ant1 One Burst



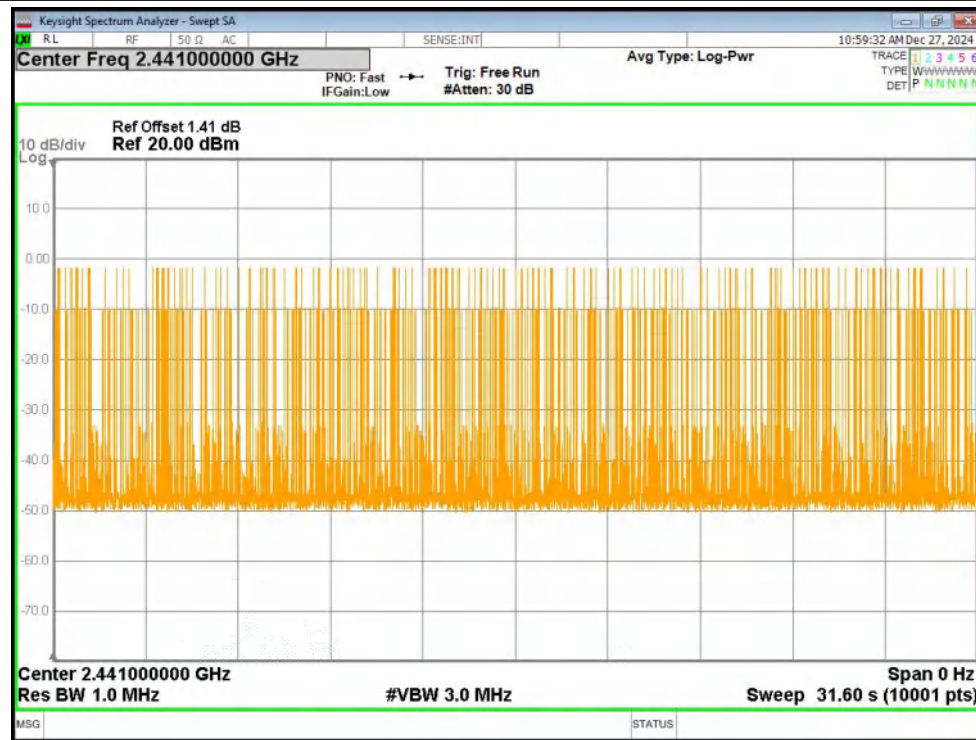
Dwell NVNT 1-DH1 2441MHz Ant1 Accumulated



### Dwell NVNT 1-DH3 2441MHz Ant1 One Burst



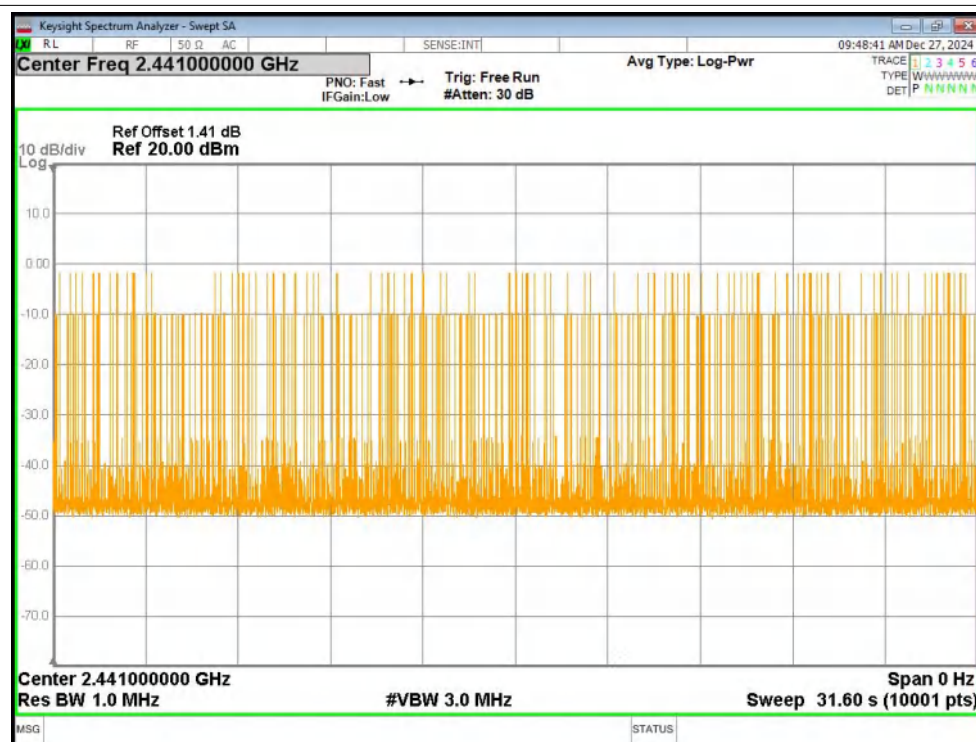
### Dwell NVNT 1-DH3 2441MHz Ant1 Accumulated



# Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



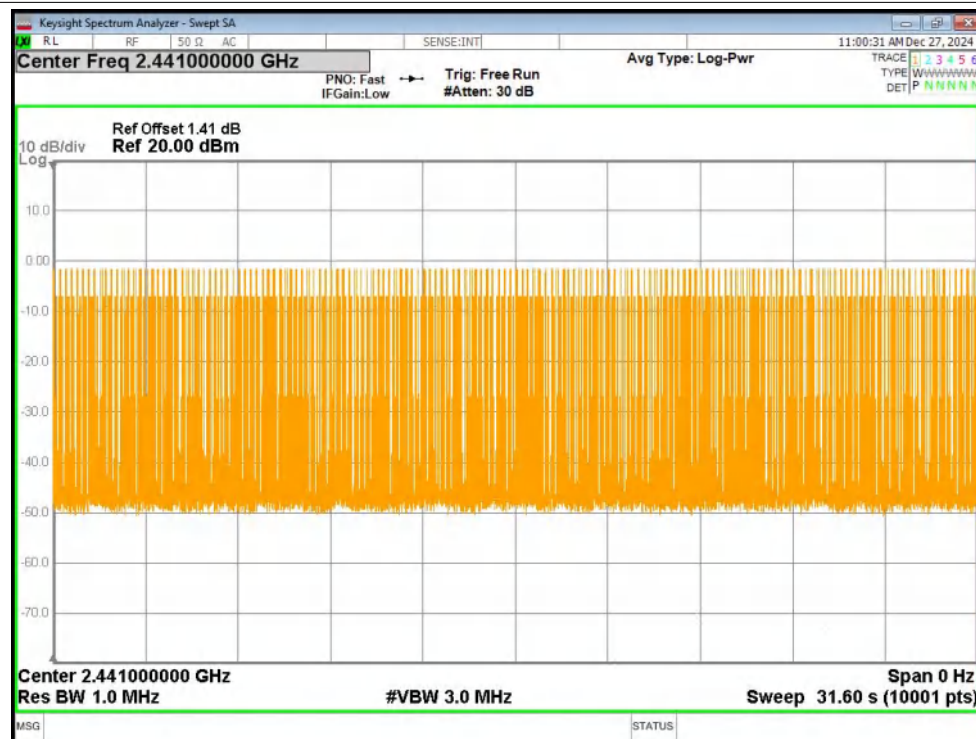
# Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



# Dwell NVNT 2-DH1 2441MHz Ant1 One Burst



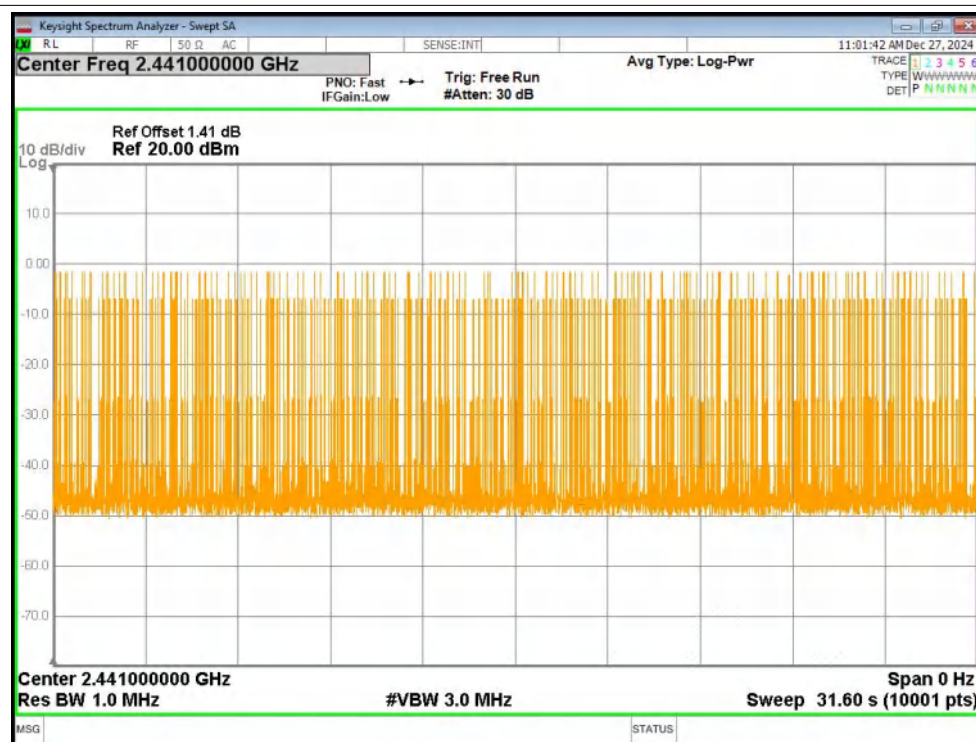
# Dwell NVNT 2-DH1 2441MHz Ant1 Accumulated



# Dwell NVNT 2-DH3 2441MHz Ant1 One Burst



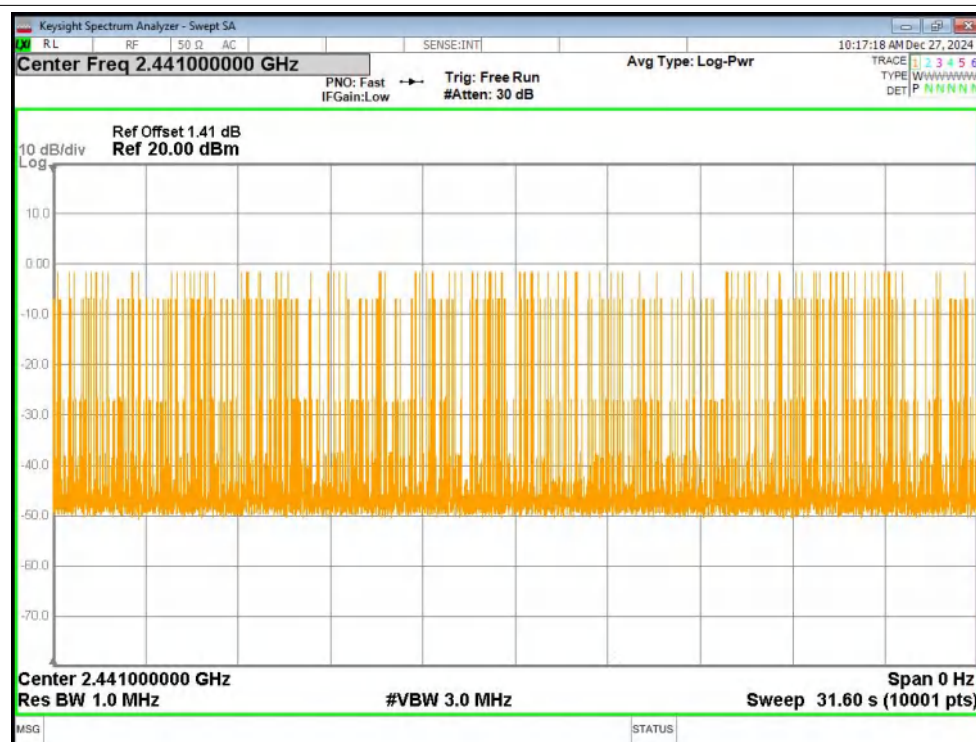
# Dwell NVNT 2-DH3 2441MHz Ant1 Accumulated



# Dwell NVNT 2-DH5 2441MHz Ant1 One Burst



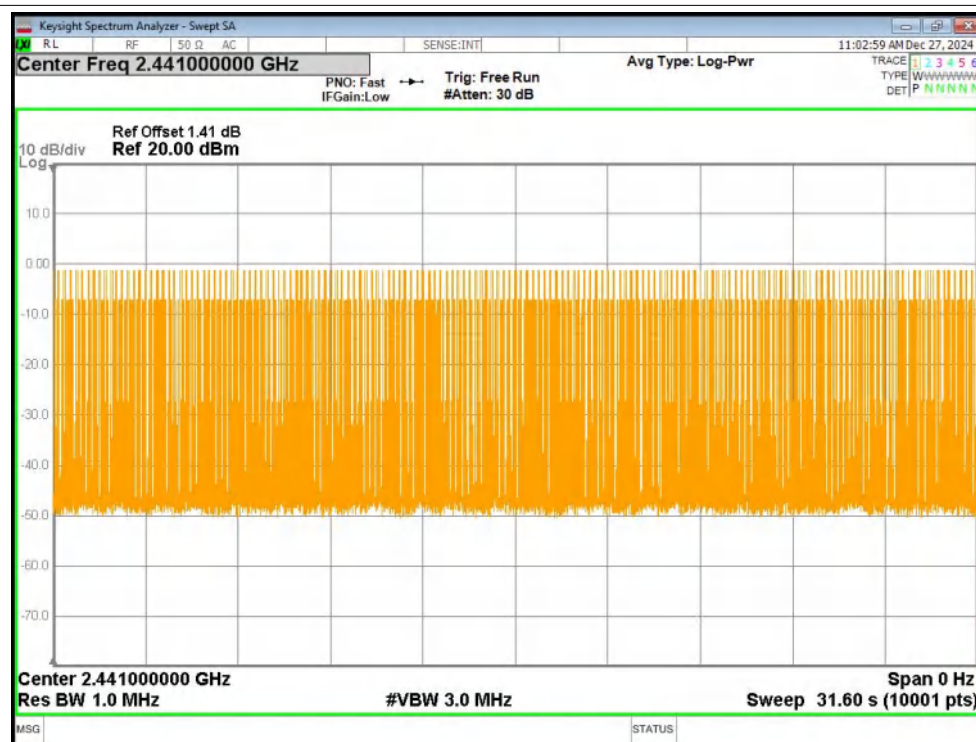
# Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



# Dwell NVNT 3-DH1 2441MHz Ant1 One Burst



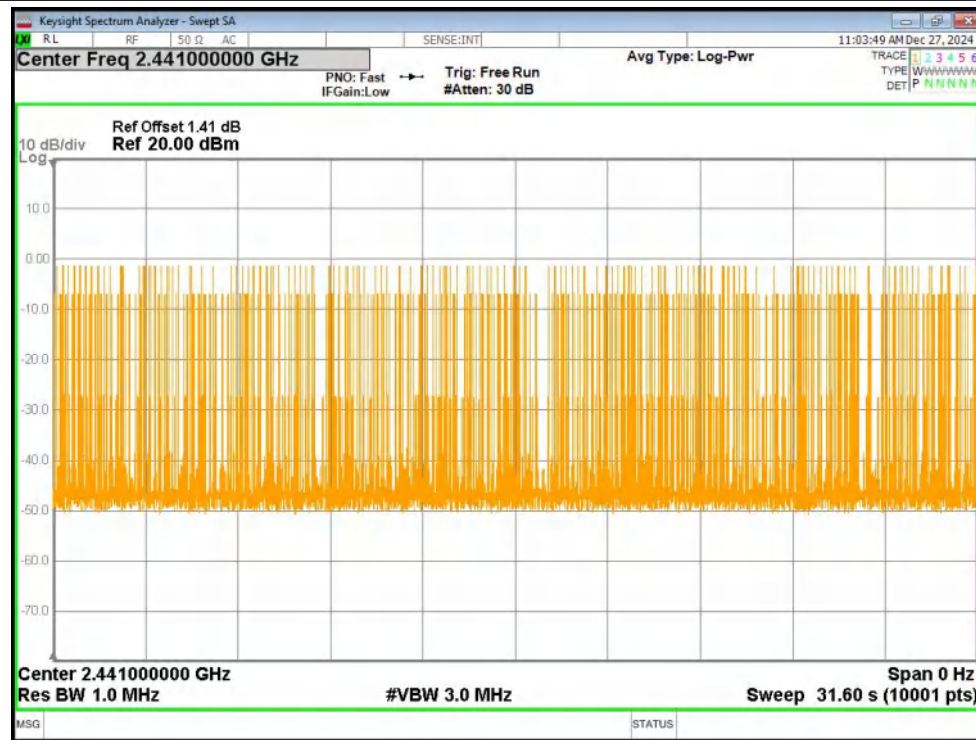
# Dwell NVNT 3-DH1 2441MHz Ant1 Accumulated



### Dwell NVNT 3-DH3 2441MHz Ant1 One Burst



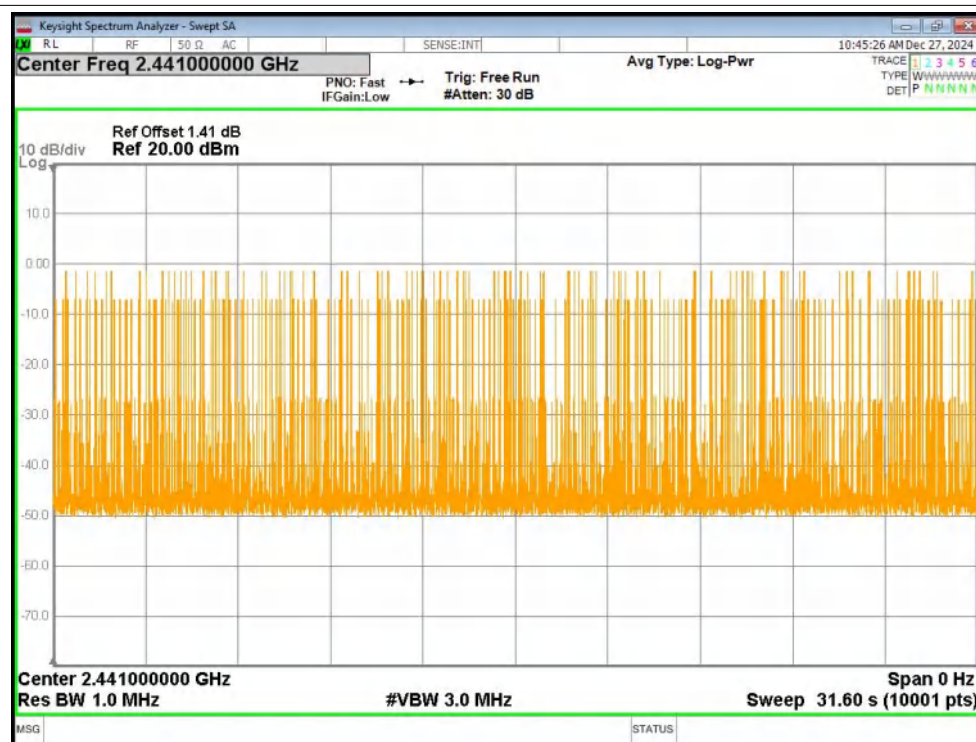
### Dwell NVNT 3-DH3 2441MHz Ant1 Accumulated



# Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



# Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated



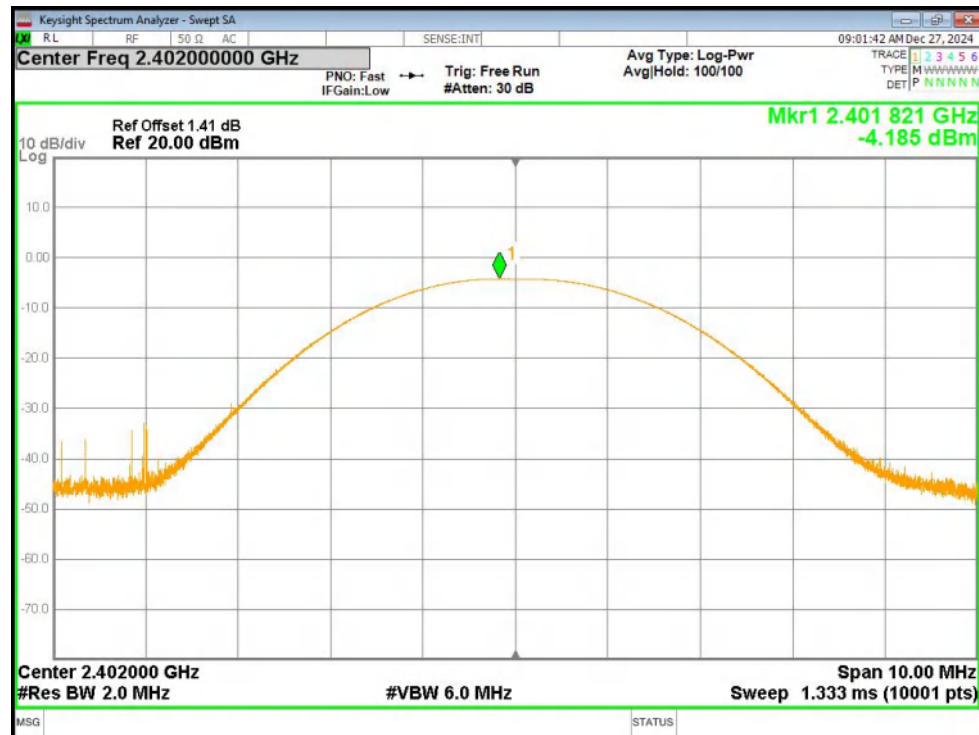
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## 2.Maximum Peak Conducted Output Power

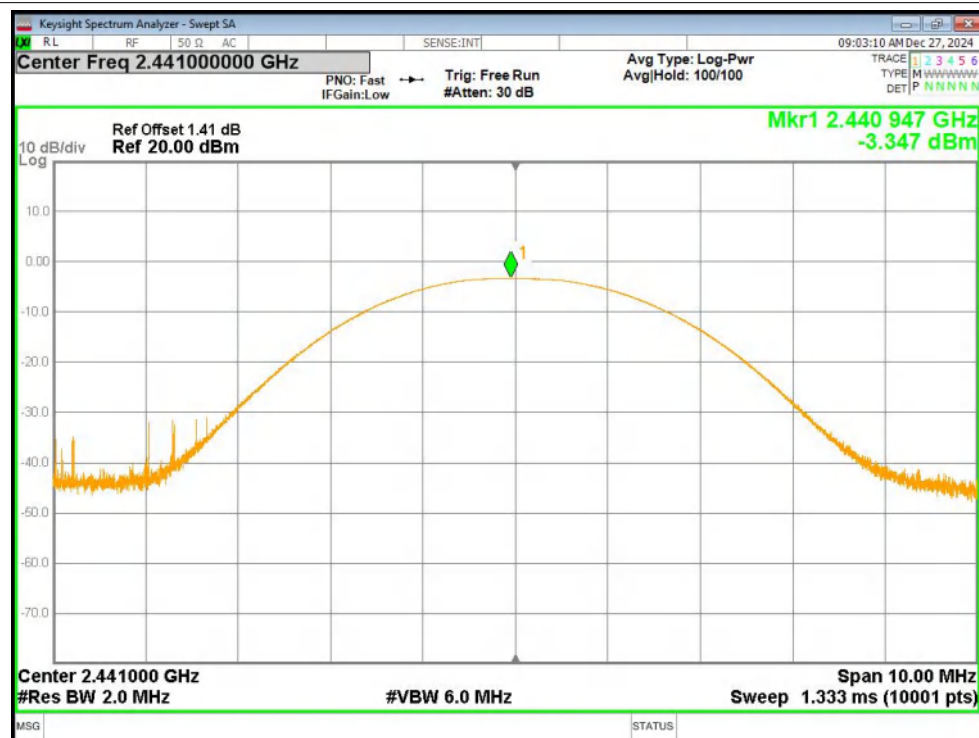
| Mode  | Frequency (MHz) | Total Power (dBm) | Limit (dBm) | Verdict |
|-------|-----------------|-------------------|-------------|---------|
| 1-DH5 | 2402            | -4.18             | 30          | Pass    |
| 1-DH5 | 2441            | -3.35             | 30          | Pass    |
| 1-DH5 | 2480            | -2.65             | 30          | Pass    |
| 2-DH5 | 2402            | -2.26             | 21          | Pass    |
| 2-DH5 | 2441            | -1.31             | 21          | Pass    |
| 2-DH5 | 2480            | -0.36             | 21          | Pass    |
| 3-DH5 | 2402            | -2.05             | 21          | Pass    |
| 3-DH5 | 2441            | -1.15             | 21          | Pass    |
| 3-DH5 | 2480            | -0.23             | 21          | Pass    |

## Test Graphs

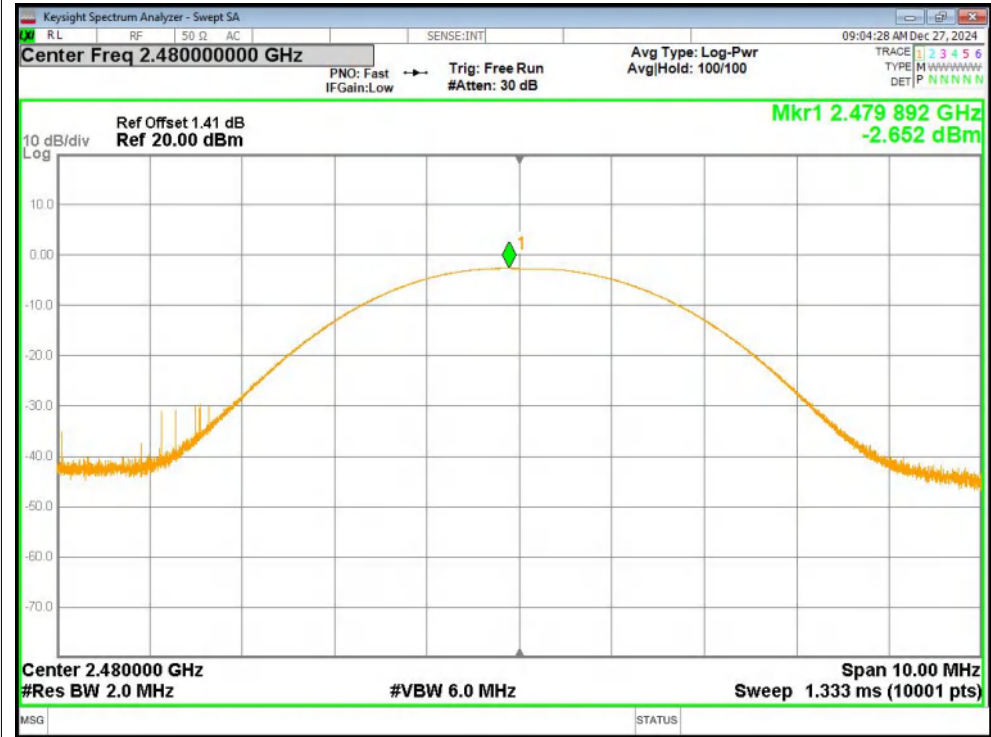
### Peak Power NVNT 1-DH5 2402MHz Ant1



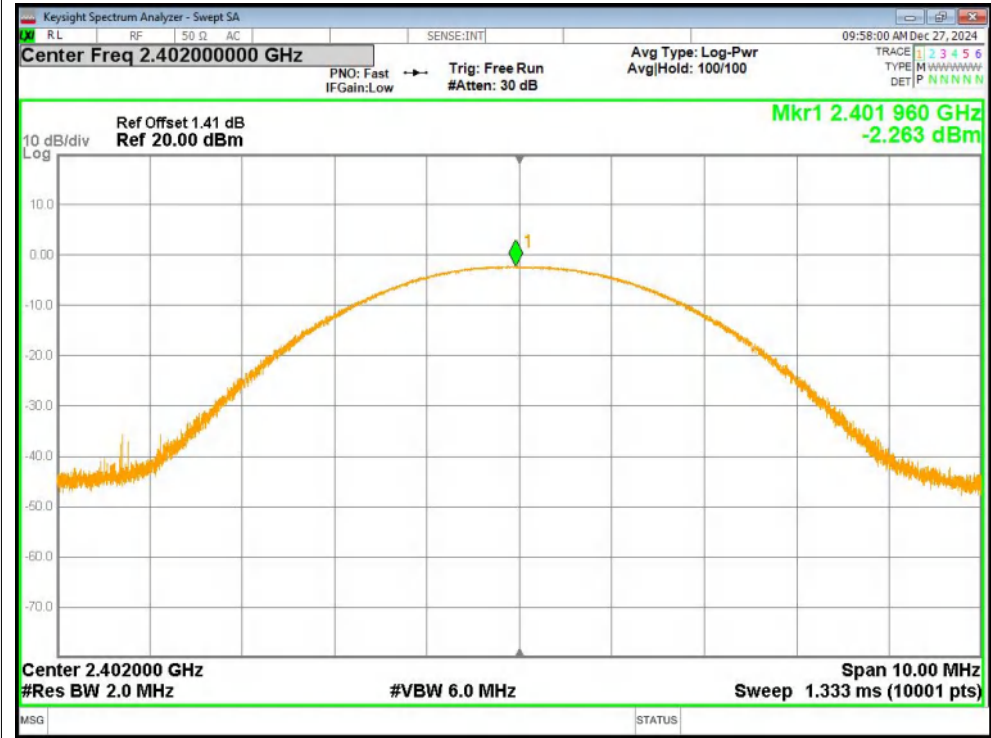
### Peak Power NVNT 1-DH5 2441MHz Ant1



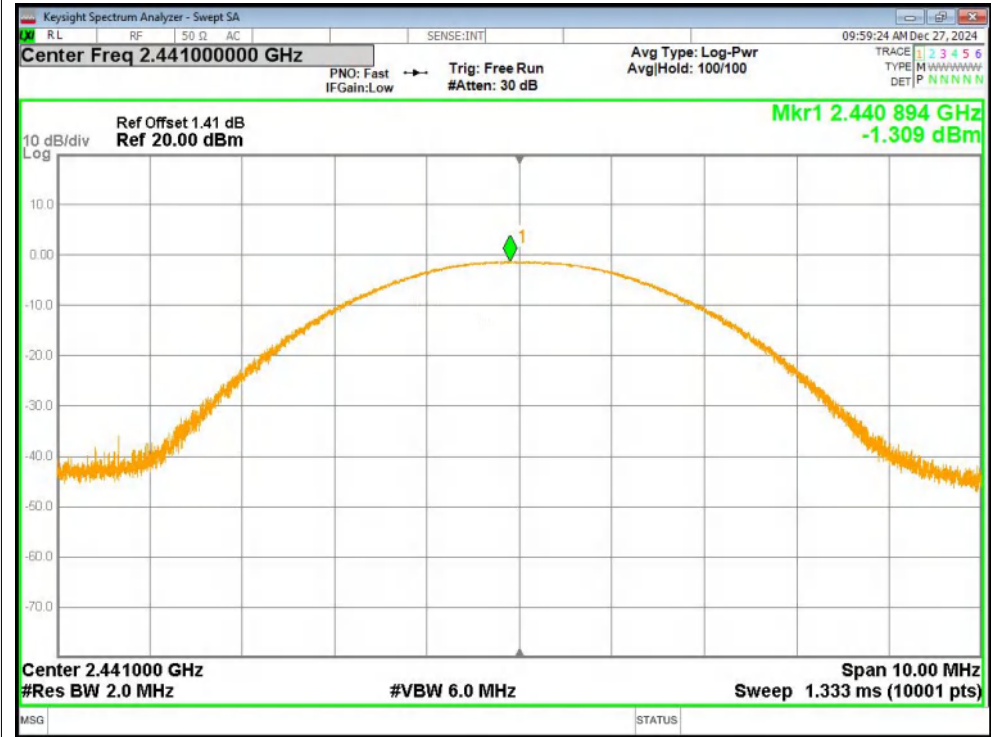
Peak Power NVNT 1-DH5 2480MHz Ant1



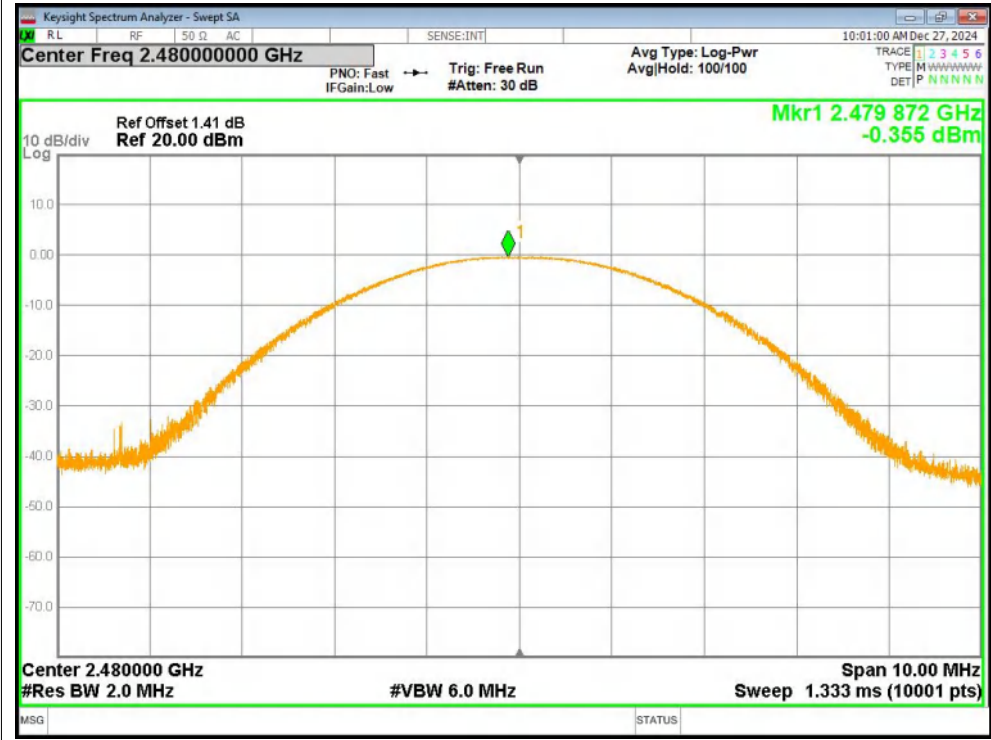
Peak Power NVNT 2-DH5 2402MHz Ant1



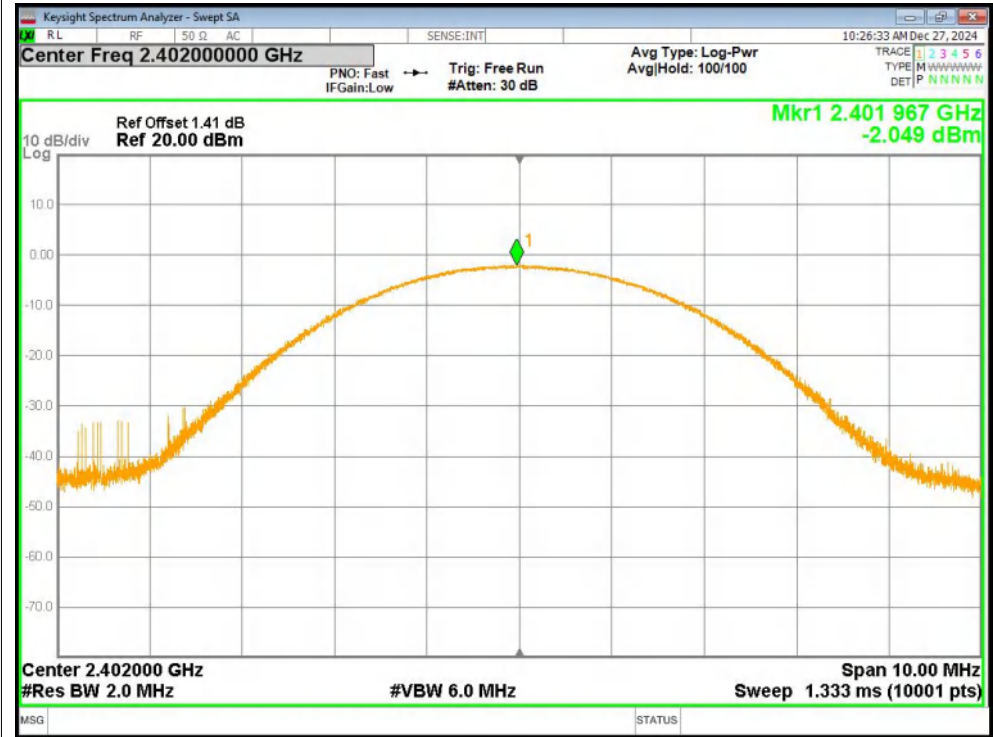
Peak Power NVNT 2-DH5 2441MHz Ant1



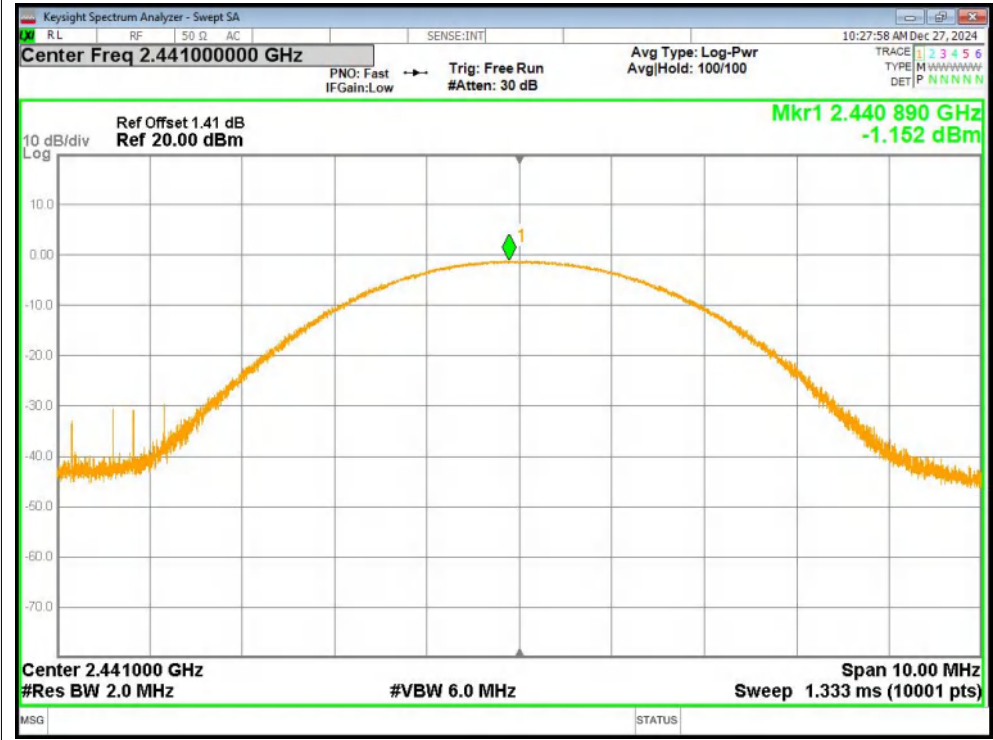
Peak Power NVNT 2-DH5 2480MHz Ant1



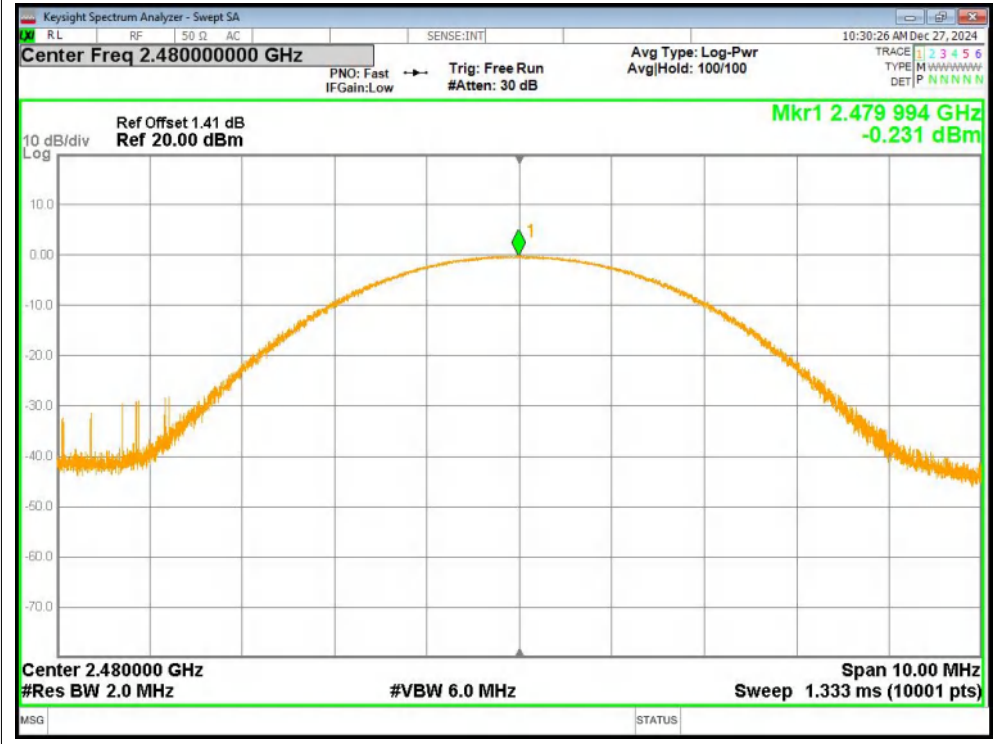
Peak Power NVNT 3-DH5 2402MHz Ant1



Peak Power NVNT 3-DH5 2441MHz Ant1



Peak Power NVNT 3-DH5 2480MHz Ant1



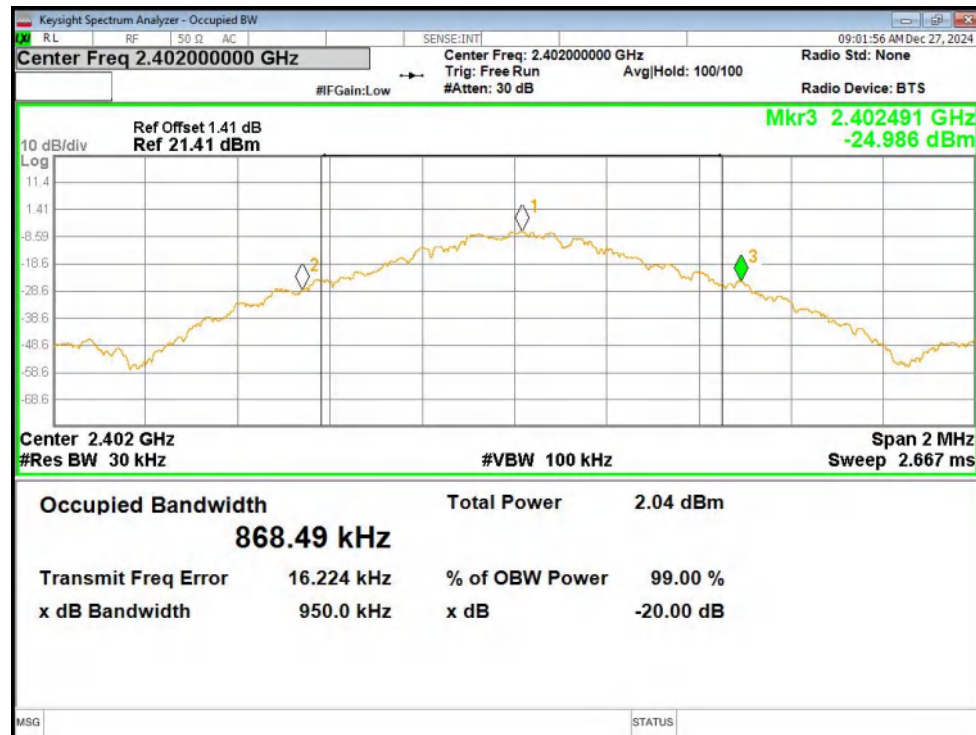
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### 3.-20dB Bandwidth

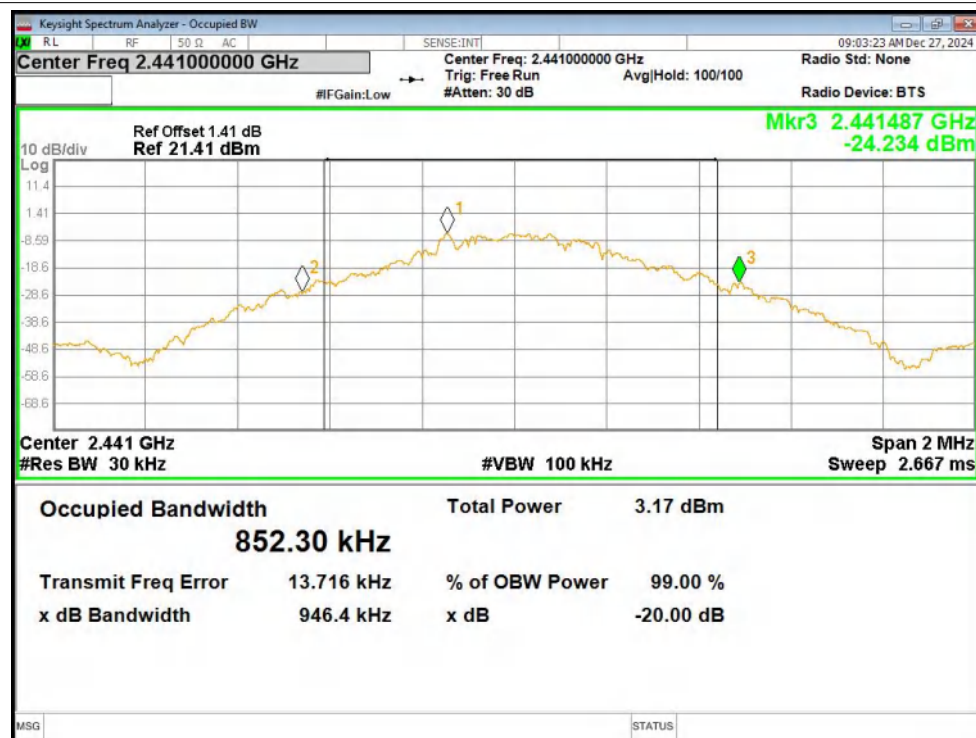
| Mode  | Frequency (MHz) | -20 dB Bandwidth (MHz) | Verdict |
|-------|-----------------|------------------------|---------|
| 1-DH5 | 2402            | 0.950                  | Pass    |
| 1-DH5 | 2441            | 0.946                  | Pass    |
| 1-DH5 | 2480            | 0.945                  | Pass    |
| 2-DH5 | 2402            | 1.319                  | Pass    |
| 2-DH5 | 2441            | 1.311                  | Pass    |
| 2-DH5 | 2480            | 1.343                  | Pass    |
| 3-DH5 | 2402            | 1.301                  | Pass    |
| 3-DH5 | 2441            | 1.301                  | Pass    |
| 3-DH5 | 2480            | 1.332                  | Pass    |

## Test Graphs

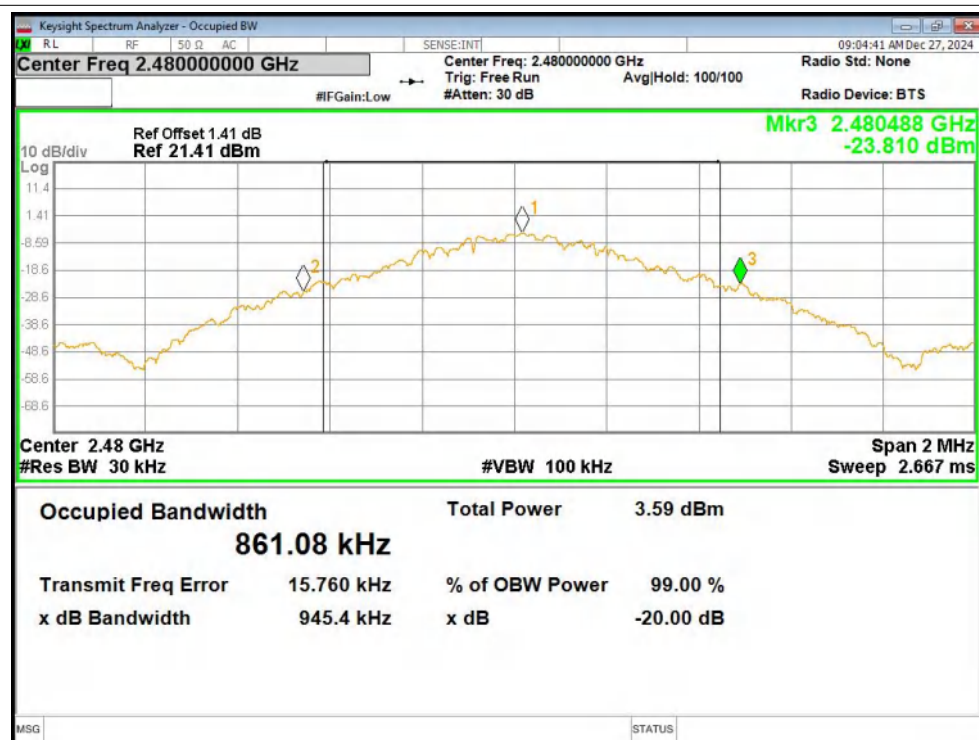
### -20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



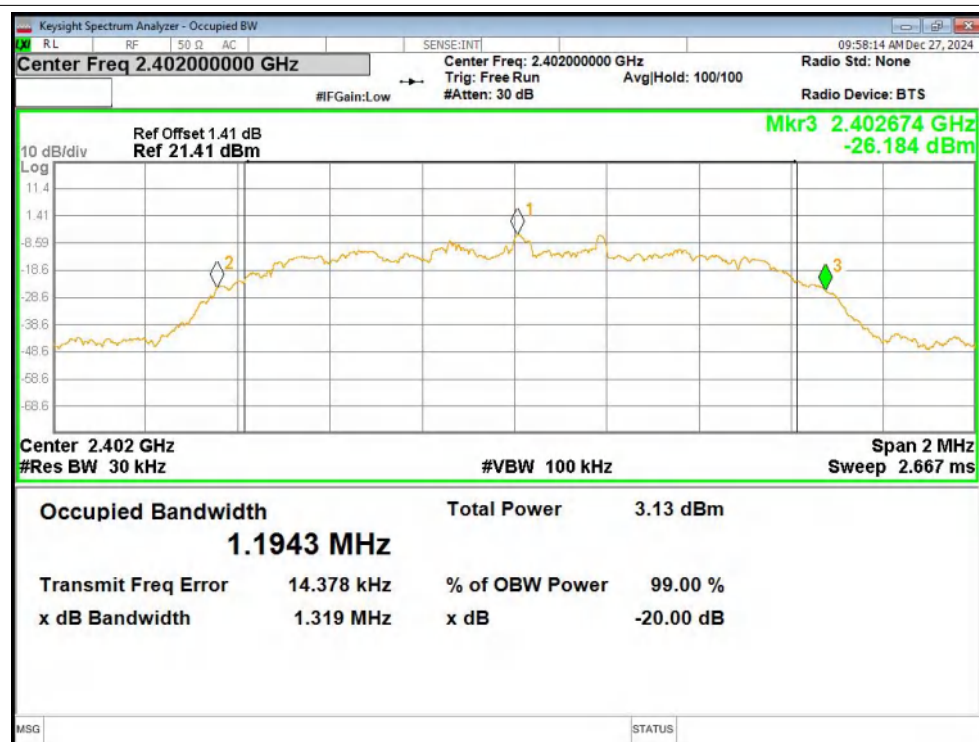
### -20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



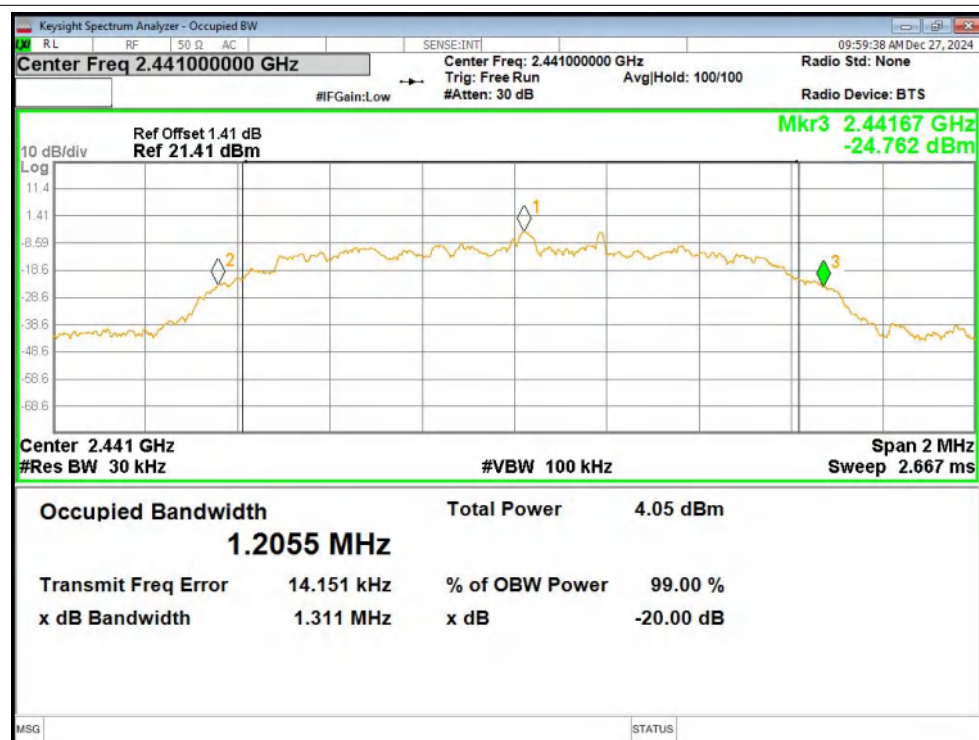
# -20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



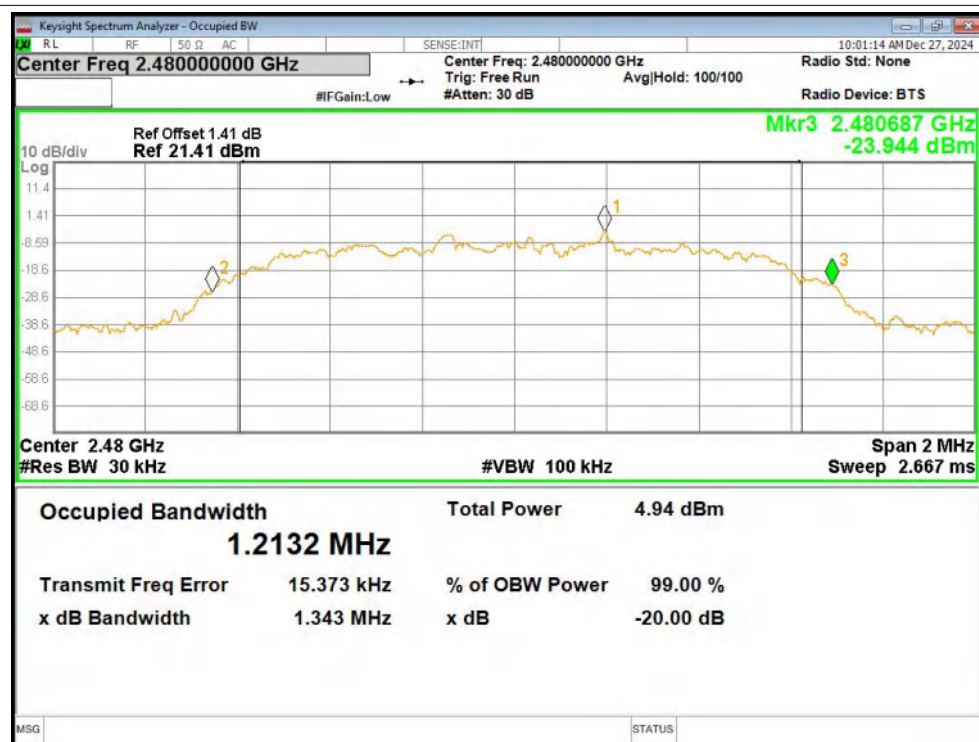
# -20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



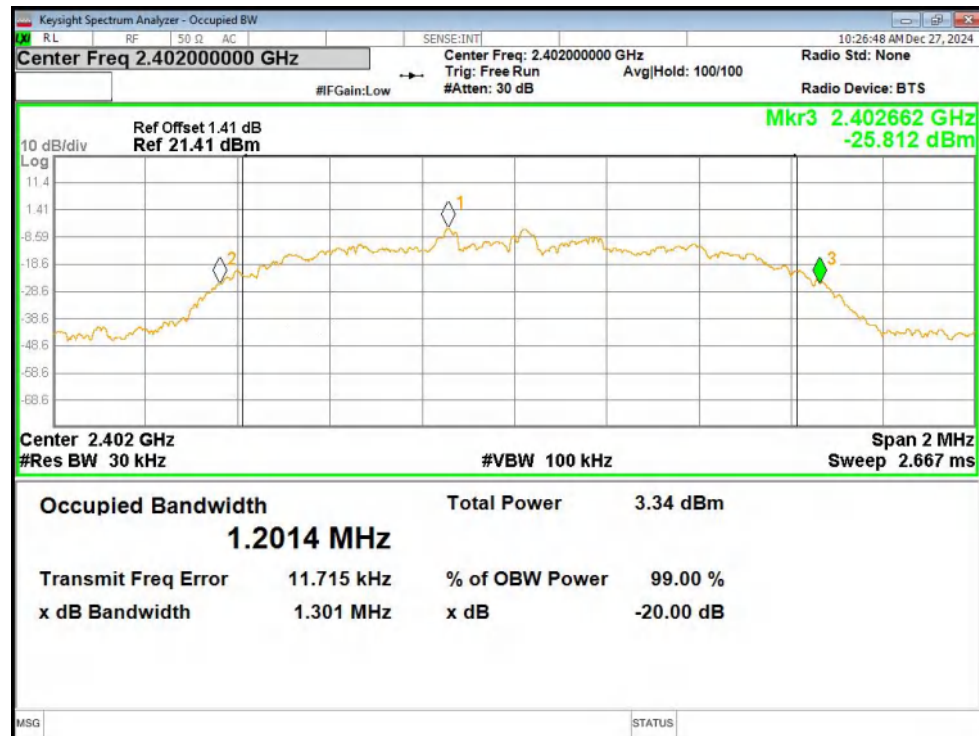
# -20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



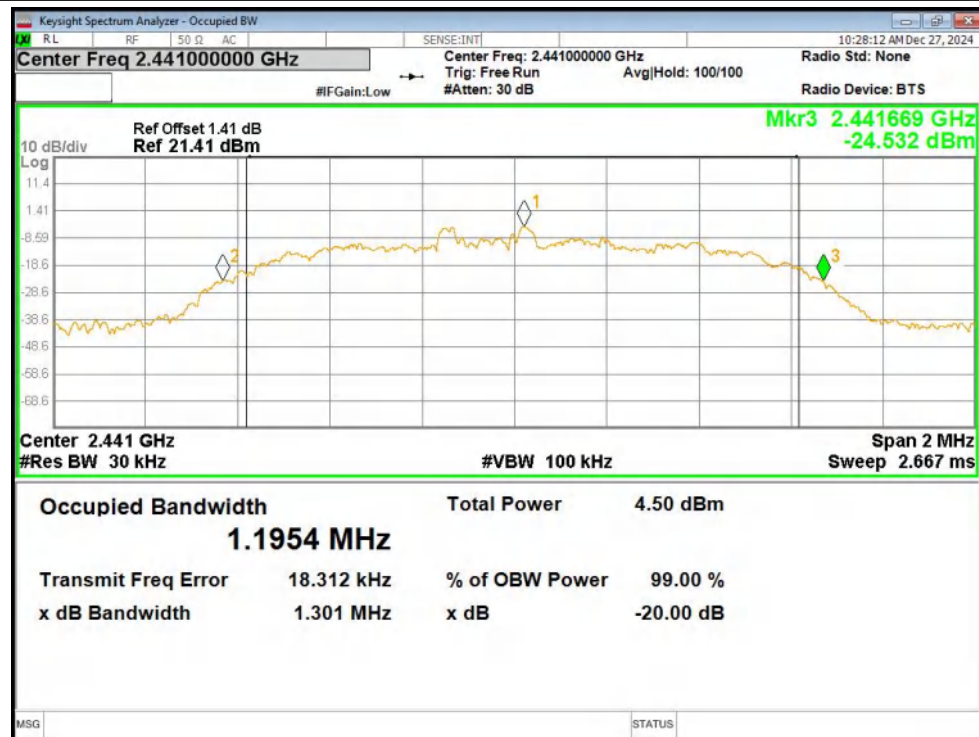
# -20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



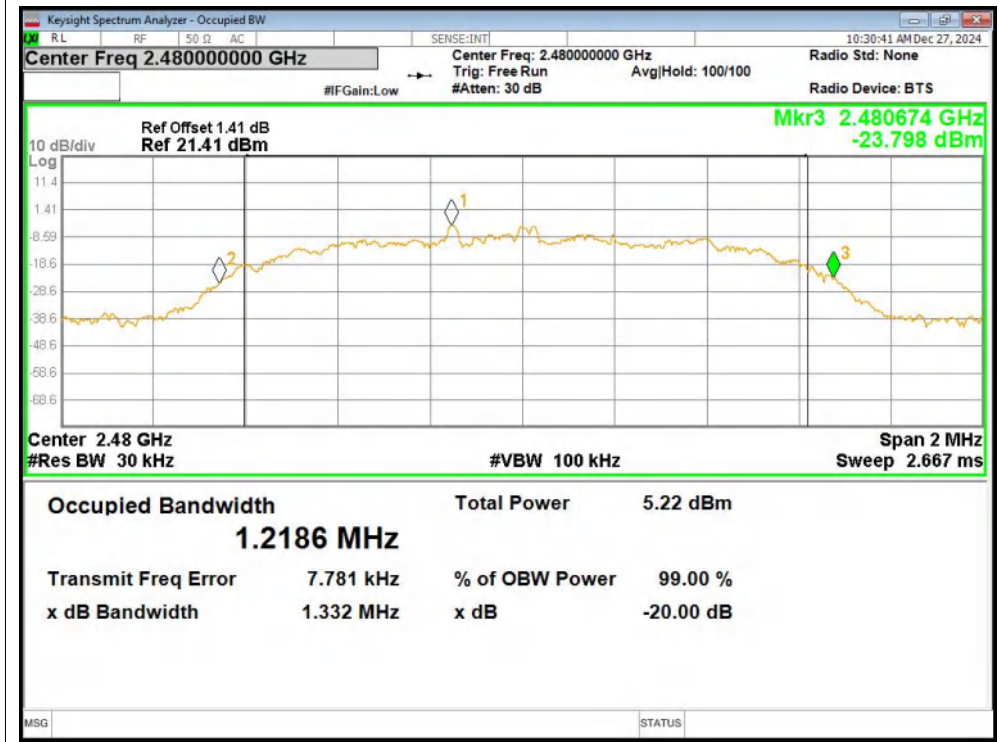
-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1



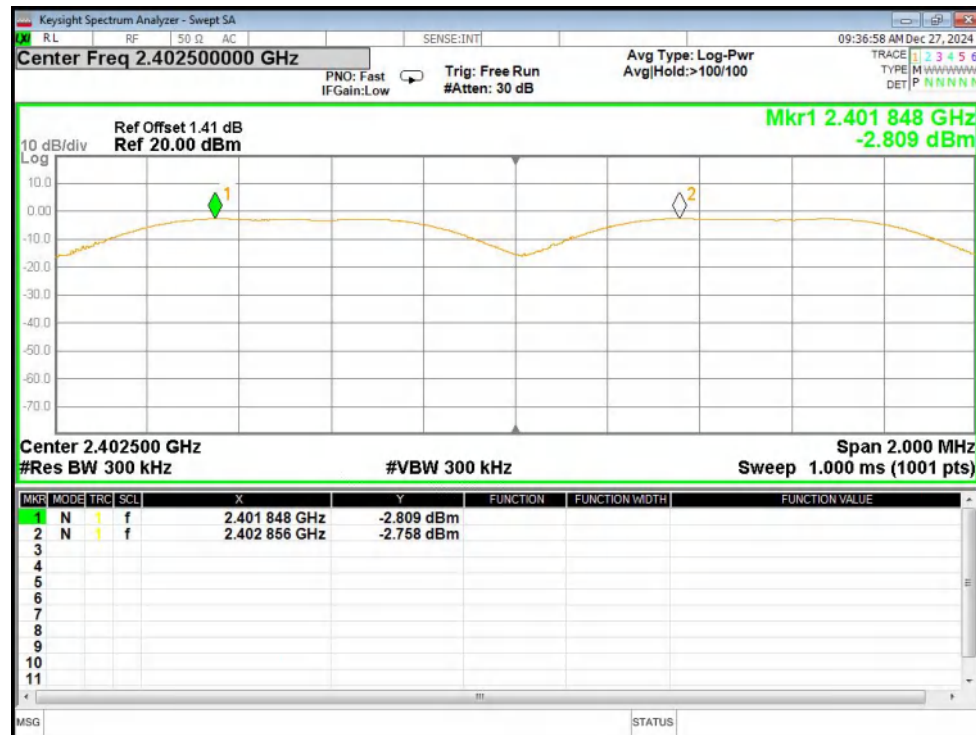
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#### 4.Carrier Frequencies Separation

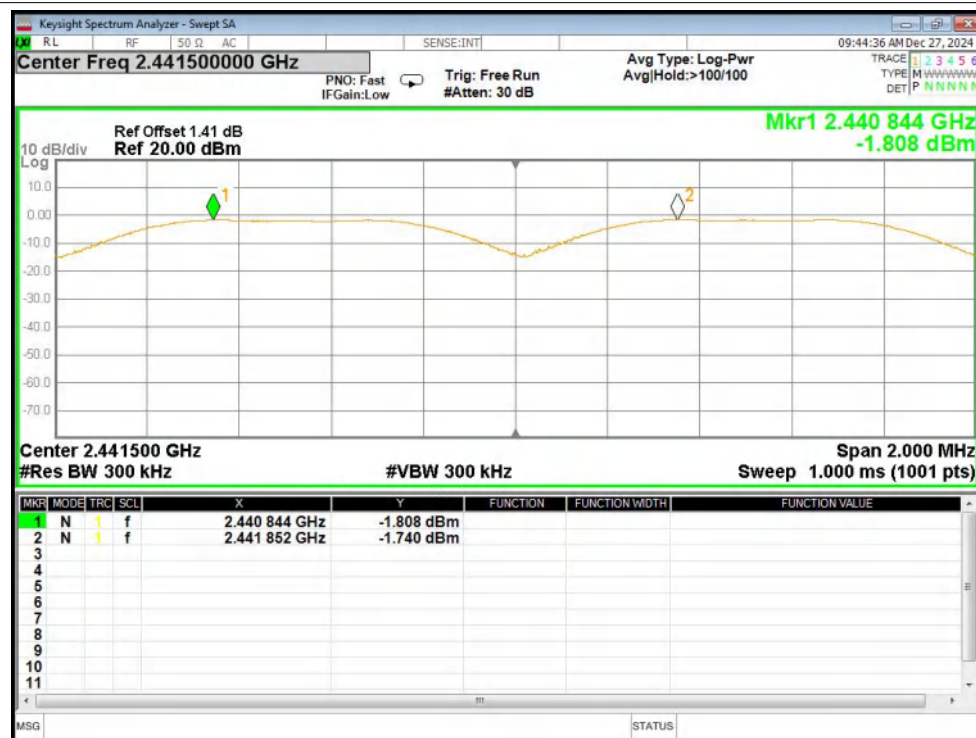
| Mode  | Hopping Freq1<br>(MHz) | Hopping Freq2<br>(MHz) | HFS<br>(MHz) | Limit<br>(MHz) | Verdict |
|-------|------------------------|------------------------|--------------|----------------|---------|
| 1-DH5 | 2401.848               | 2402.856               | 1.008        | 0.950          | Pass    |
| 1-DH5 | 2440.844               | 2441.852               | 1.008        | 0.946          | Pass    |
| 1-DH5 | 2478.86                | 2479.848               | 0.988        | 0.945          | Pass    |
| 2-DH5 | 2401.854               | 2402.862               | 1.008        | 0.879          | Pass    |
| 2-DH5 | 2440.858               | 2441.856               | 0.998        | 0.874          | Pass    |
| 2-DH5 | 2478.856               | 2479.862               | 1.006        | 0.895          | Pass    |
| 3-DH5 | 2401.864               | 2402.852               | 0.988        | 0.867          | Pass    |
| 3-DH5 | 2440.842               | 2441.856               | 1.014        | 0.867          | Pass    |
| 3-DH5 | 2478.844               | 2479.844               | 1            | 0.888          | Pass    |

## Test Graphs

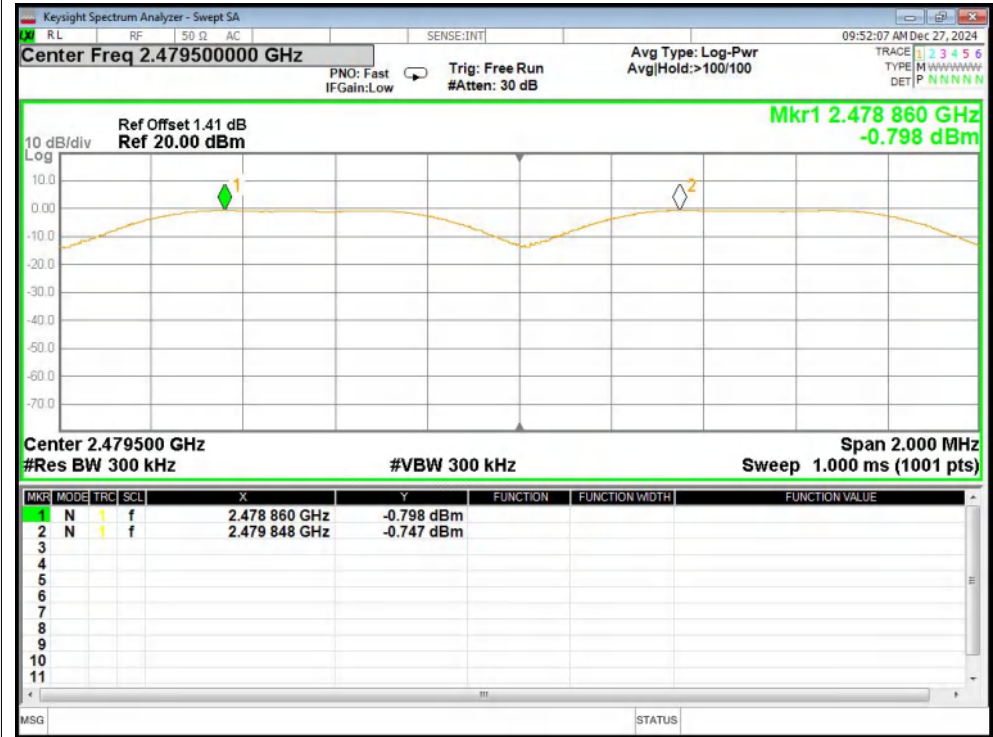
### CFS NVNT 1-DH5 2402MHz Ant1



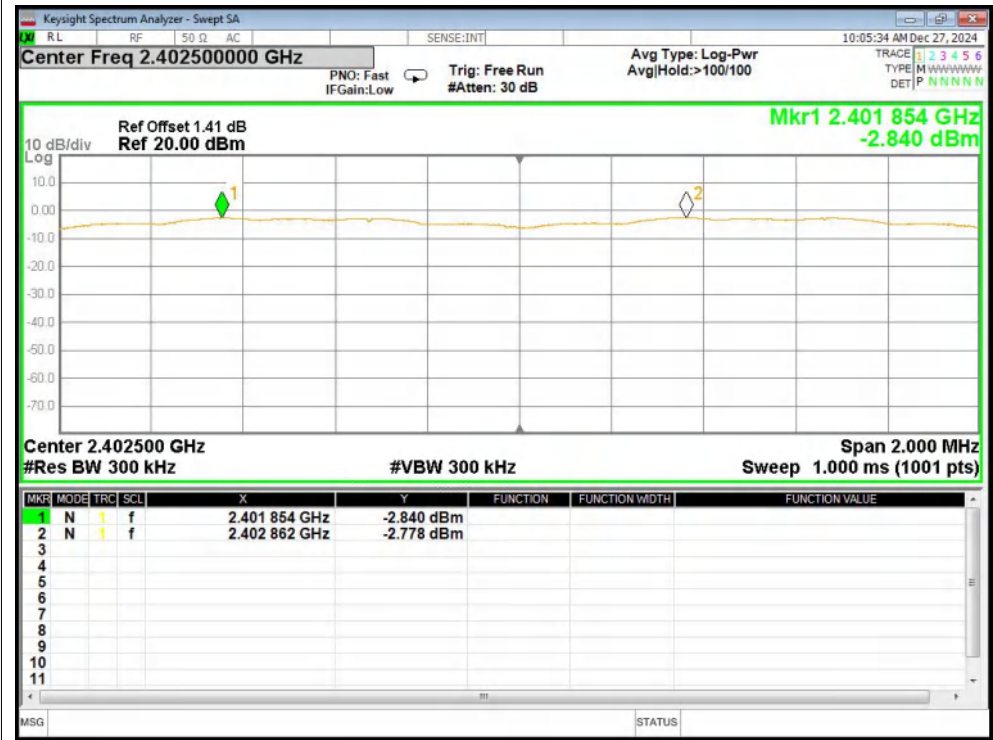
### CFS NVNT 1-DH5 2441MHz Ant1



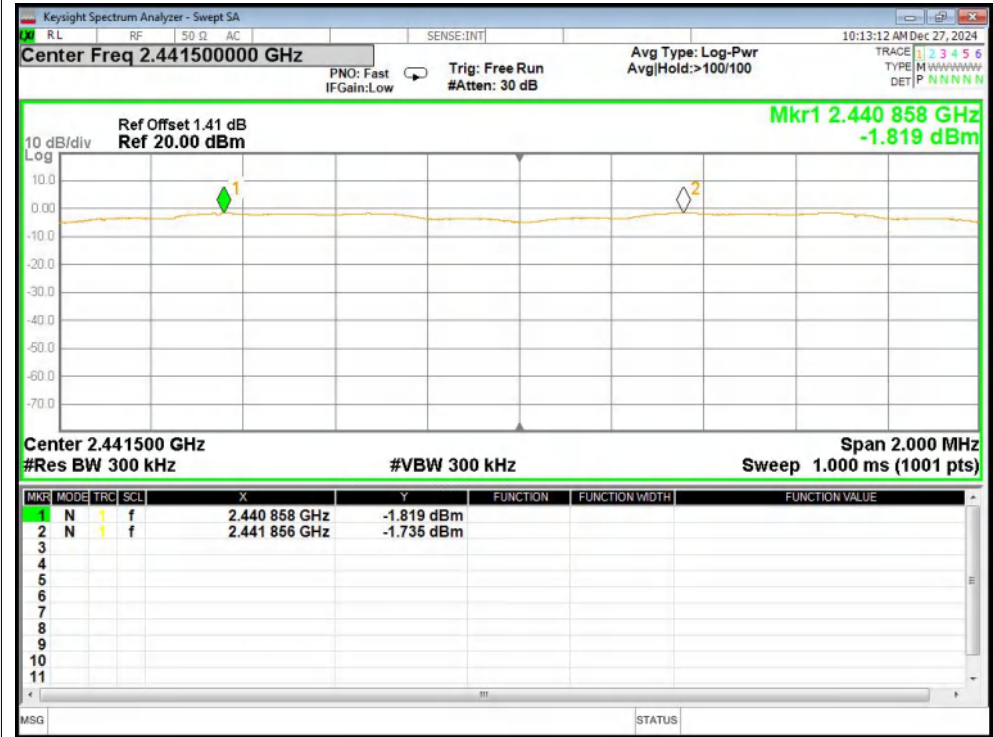
CFS NVNT 1-DH5 2480MHz Ant1



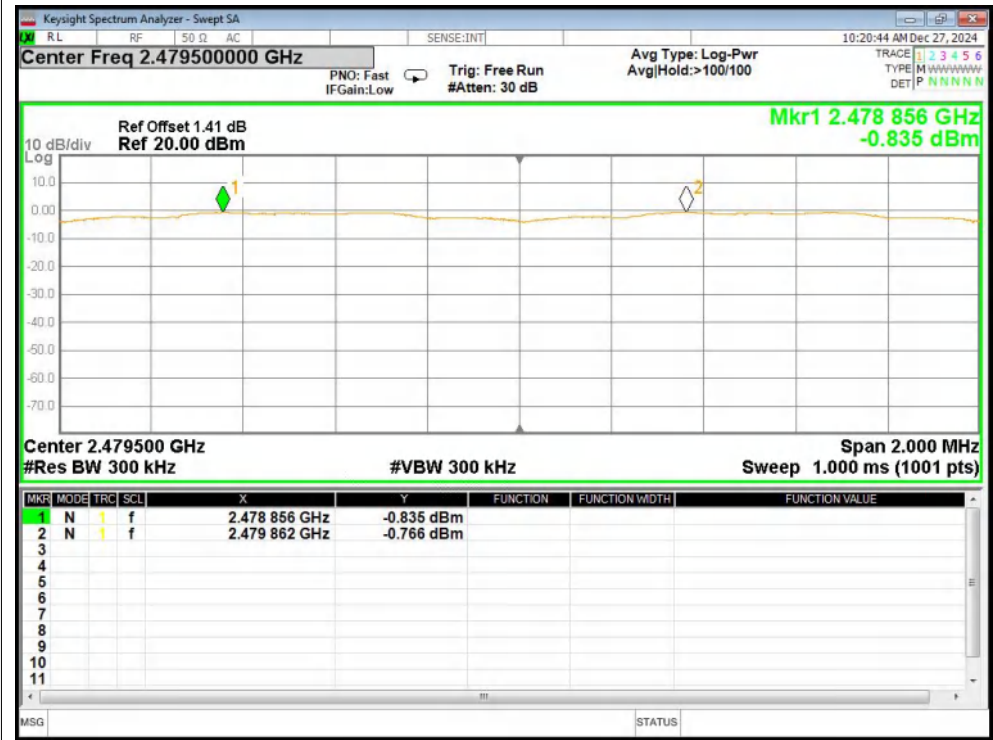
CFS NVNT 2-DH5 2402MHz Ant1



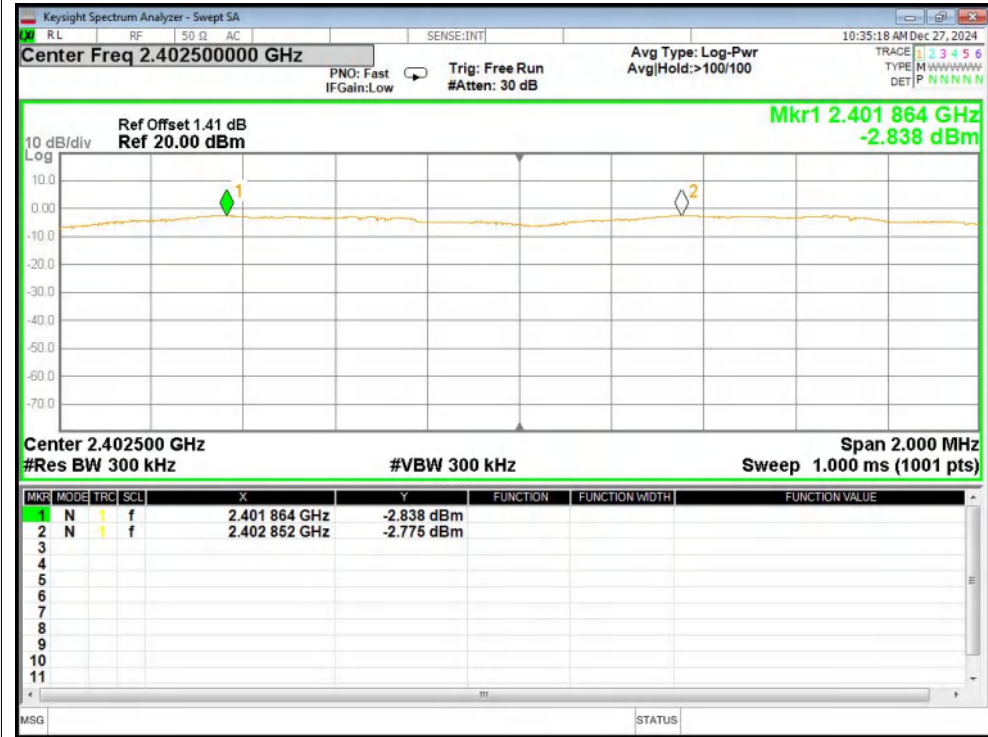
CFS NVNT 2-DH5 2441MHz Ant1



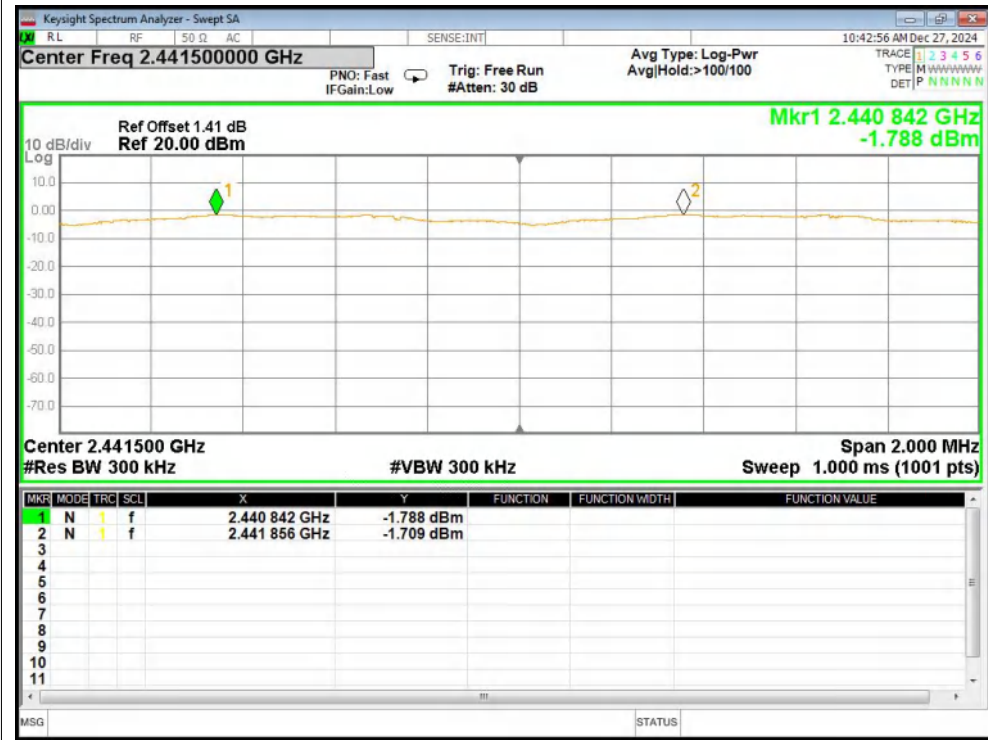
CFS NVNT 2-DH5 2480MHz Ant1



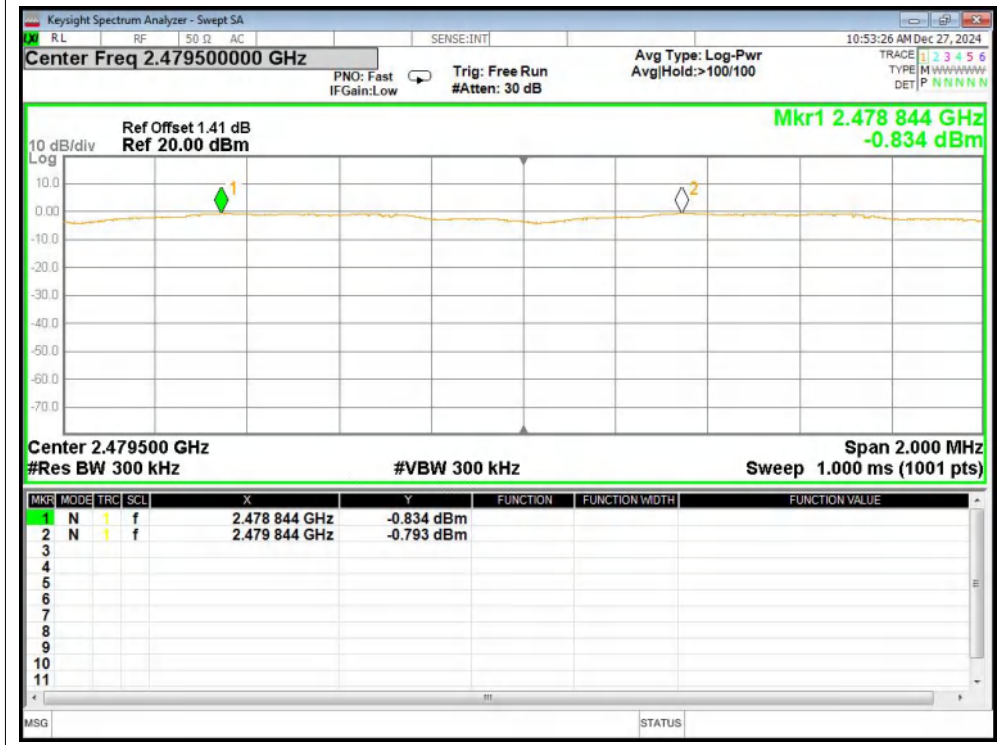
CFS NVNT 3-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2441MHz Ant1



CFS NVNT 3-DH5 2480MHz Ant1



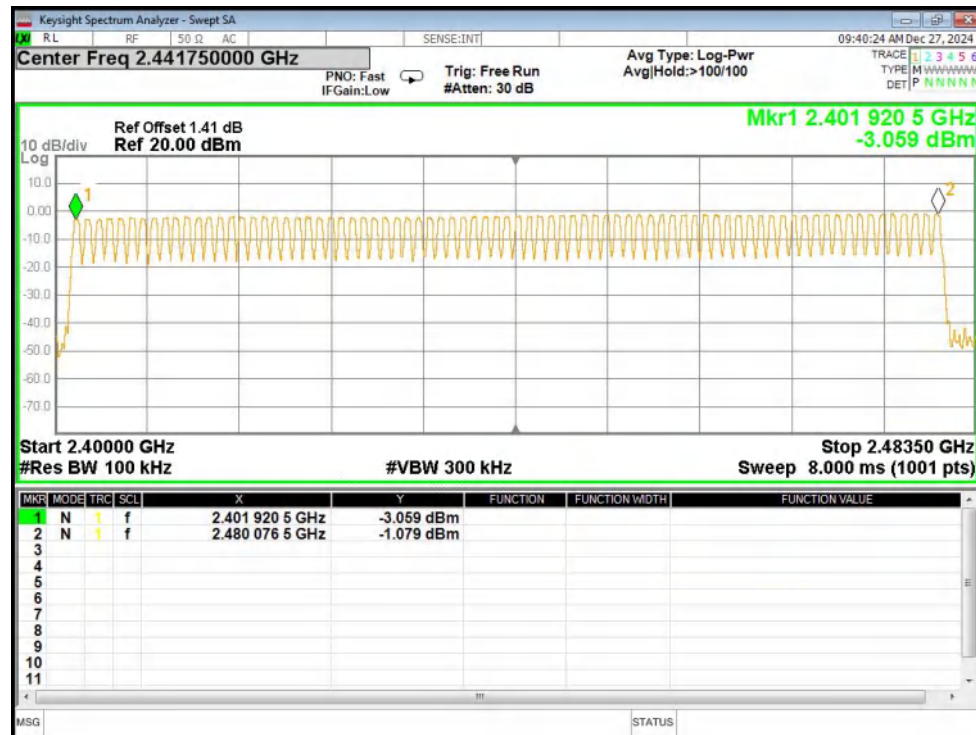
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**5.Number of Hopping Channel**

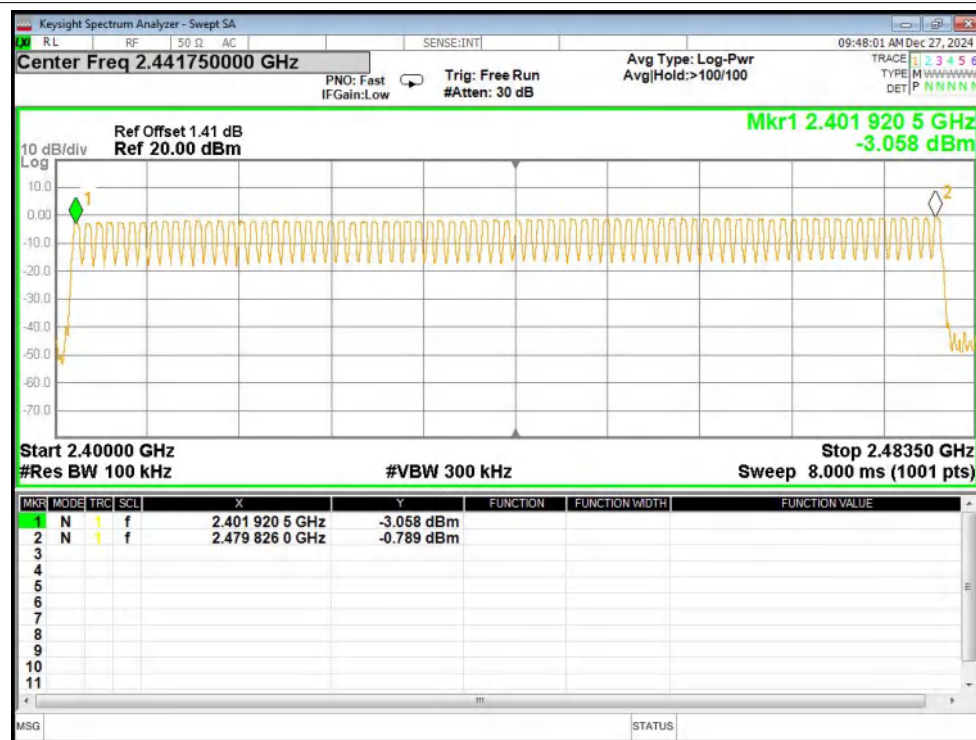
| Mode  | Hopping Number | Limit | Verdict |
|-------|----------------|-------|---------|
| 1-DH5 | 79             | 15    | Pass    |
| 2-DH5 | 79             | 15    | Pass    |
| 3-DH5 | 79             | 15    | Pass    |

## Test Graphs

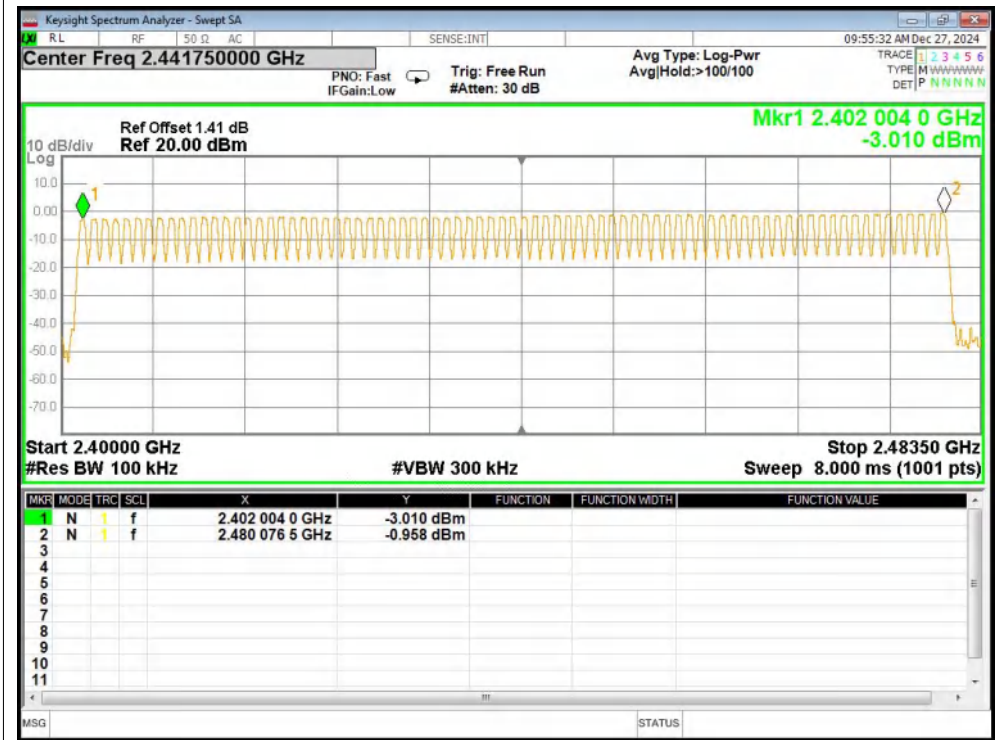
### Hopping No. NVNT 1-DH5 2402MHz Ant1



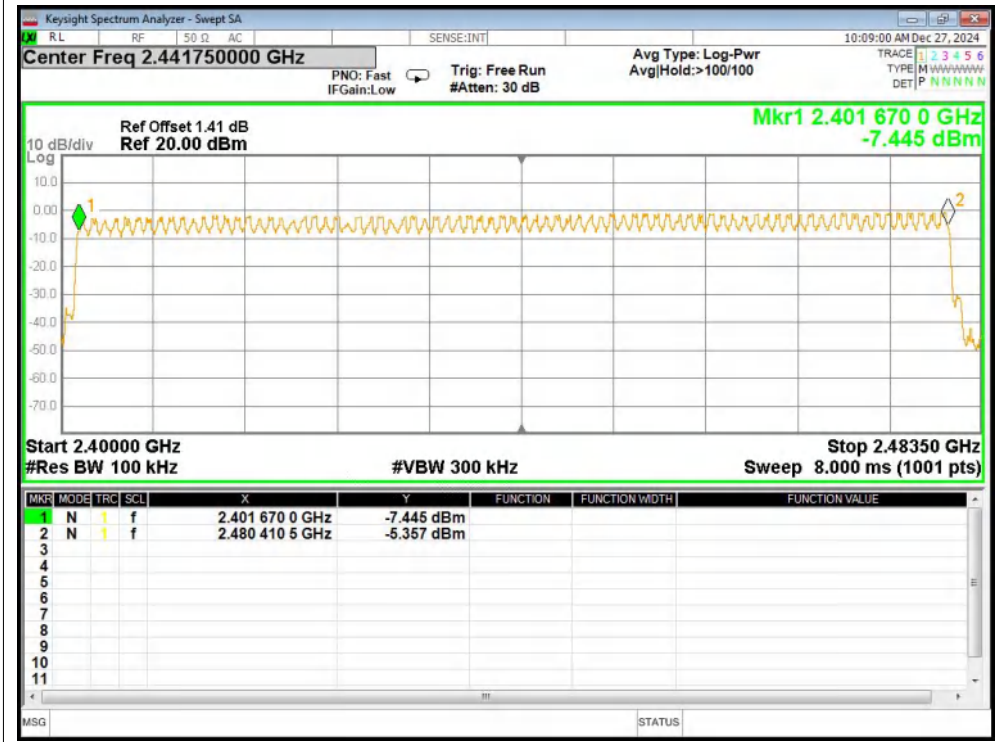
### Hopping No. NVNT 1-DH5 2441MHz Ant1



Hopping No. NVNT 1-DH5 2480MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2441MHz Ant1



Hopping No. NVNT 2-DH5 2480MHz Ant1



Hopping No. NVNT 3-DH5 2402MHz Ant1



Hopping No. NVNT 3-DH5 2441MHz Ant1



Hopping No. NVNT 3-DH5 2480MHz Ant1



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### 6.Band Edge

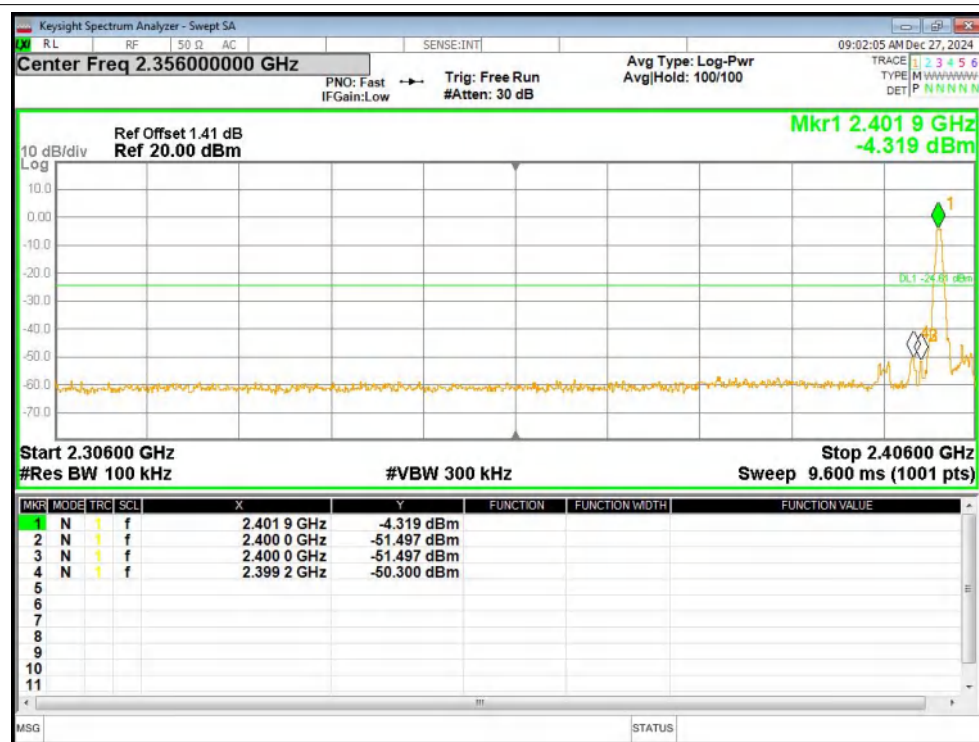
| Mode  | Frequency (MHz) | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-------|-----------------|--------------|-----------------|-------------|---------|
| 1-DH5 | 2402            | No-Hopping   | -45.69          | -20         | Pass    |
| 1-DH5 | 2480            | No-Hopping   | -44.05          | -20         | Pass    |
| 2-DH5 | 2402            | No-Hopping   | -43.43          | -20         | Pass    |
| 2-DH5 | 2480            | No-Hopping   | -41.95          | -20         | Pass    |
| 3-DH5 | 2402            | No-Hopping   | -42.94          | -20         | Pass    |
| 3-DH5 | 2480            | No-Hopping   | -48.07          | -20         | Pass    |

## Test Graphs

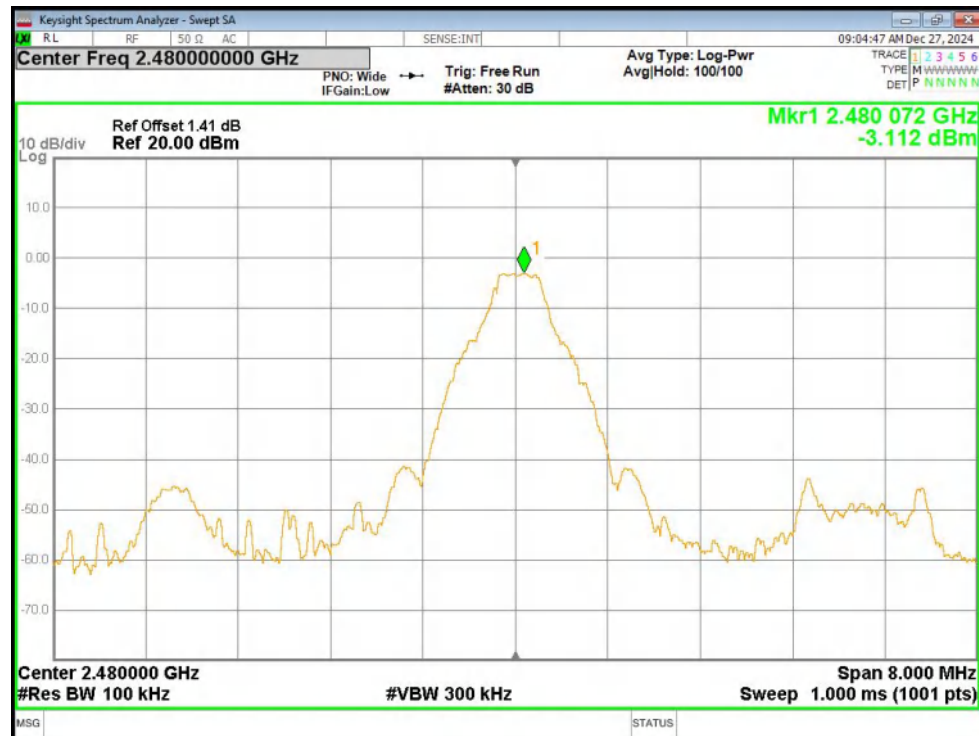
### Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



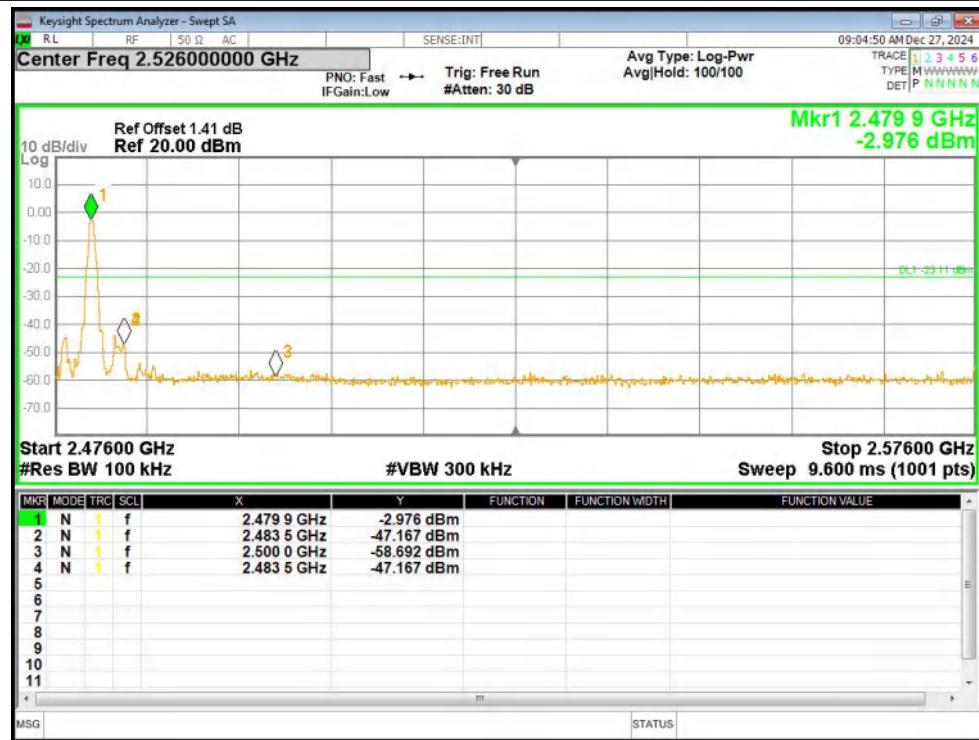
### Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



### Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



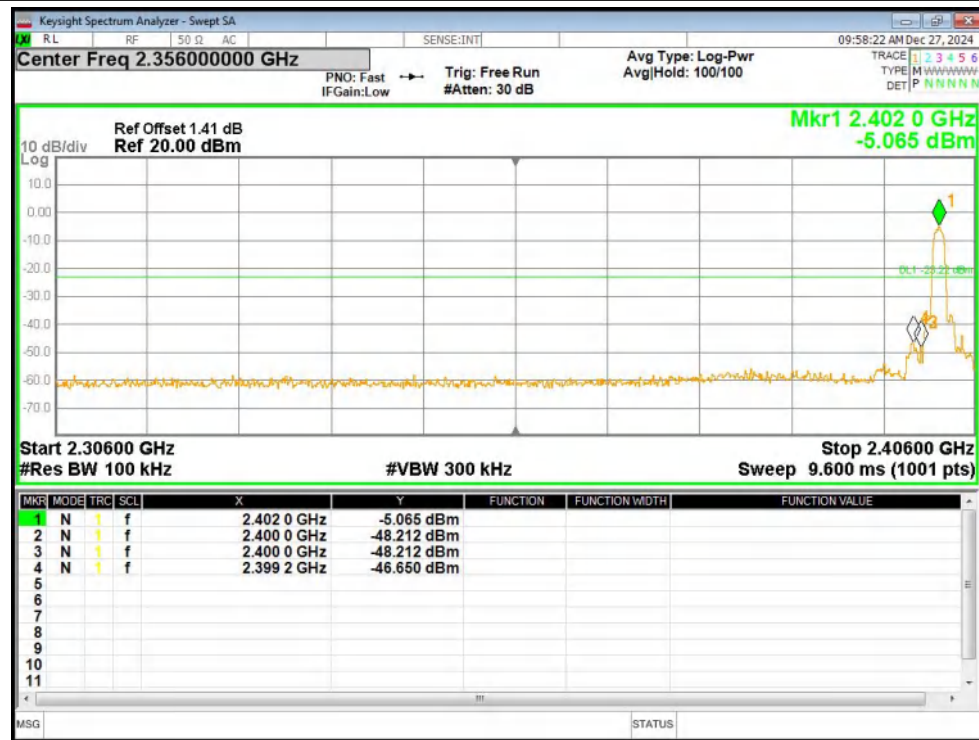
### Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



### Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



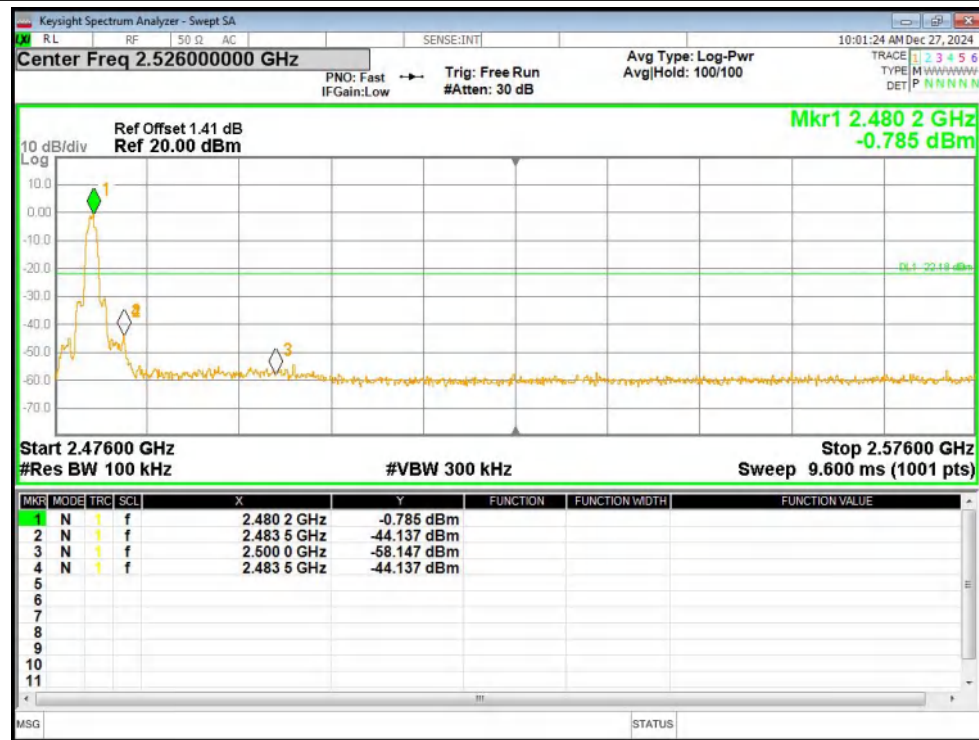
### Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



### Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



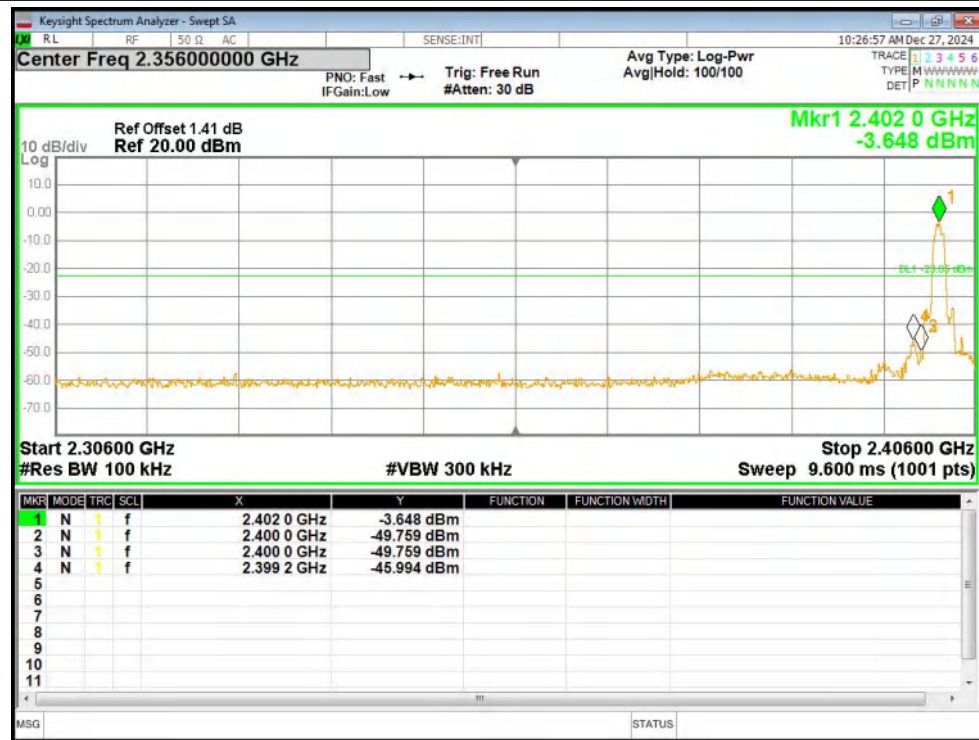
### Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



### Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



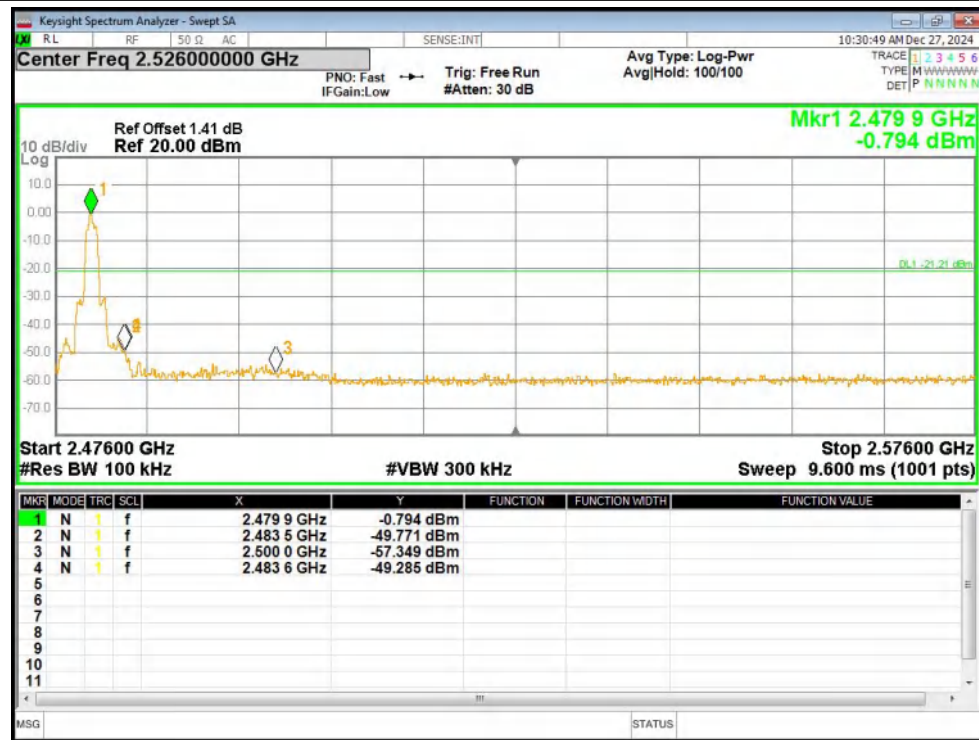
### Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



### Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



### Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission



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**7.Band Edge(Hopping)**

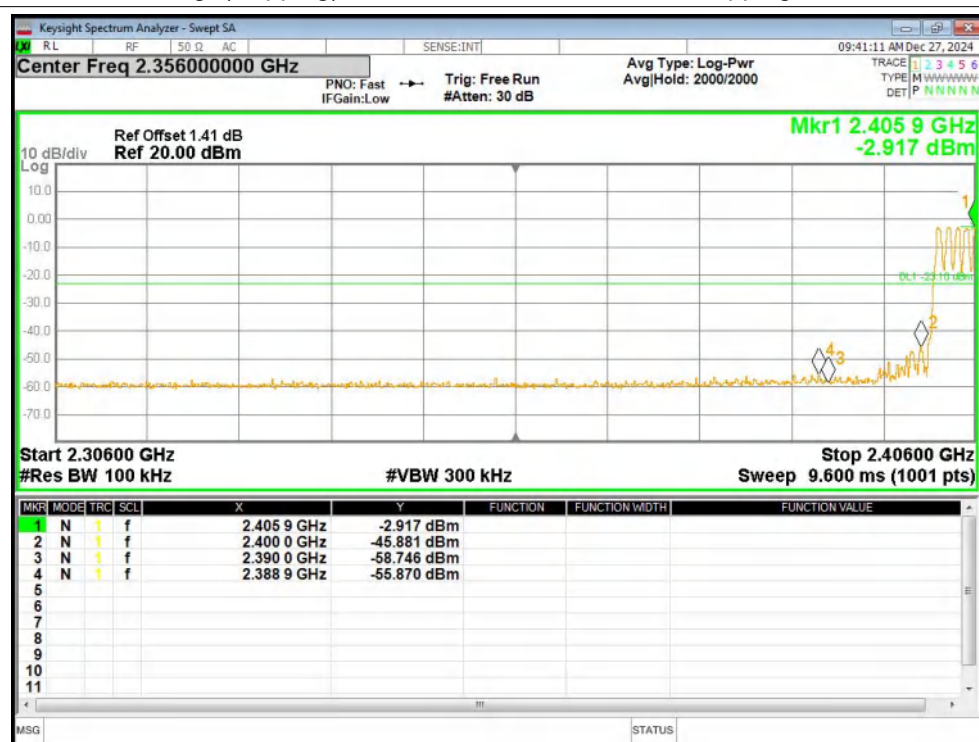
| Mode  | Frequency (MHz) | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-------|-----------------|--------------|-----------------|-------------|---------|
| 1-DH5 | 2402            | Hopping      | -52.76          | -20         | Pass    |
| 1-DH5 | 2480            | Hopping      | -43.77          | -20         | Pass    |
| 2-DH5 | 2402            | Hopping      | -51.51          | -20         | Pass    |
| 2-DH5 | 2480            | Hopping      | -50.81          | -20         | Pass    |
| 3-DH5 | 2402            | Hopping      | -52.34          | -20         | Pass    |
| 3-DH5 | 2480            | Hopping      | -49.77          | -20         | Pass    |

## Test Graphs

### Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



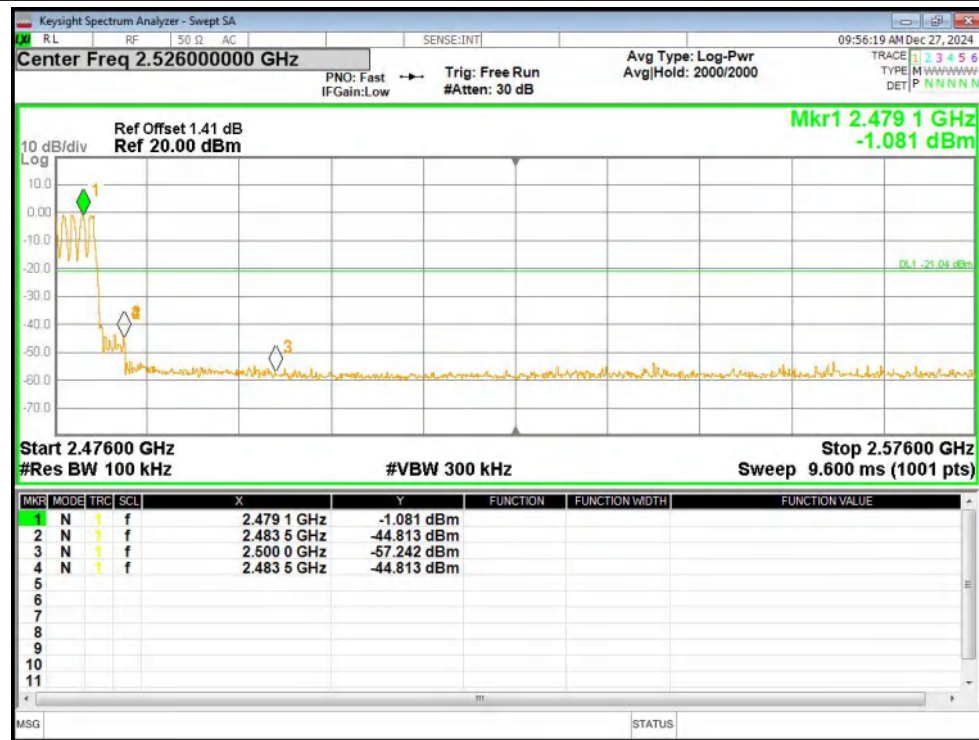
### Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



# Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



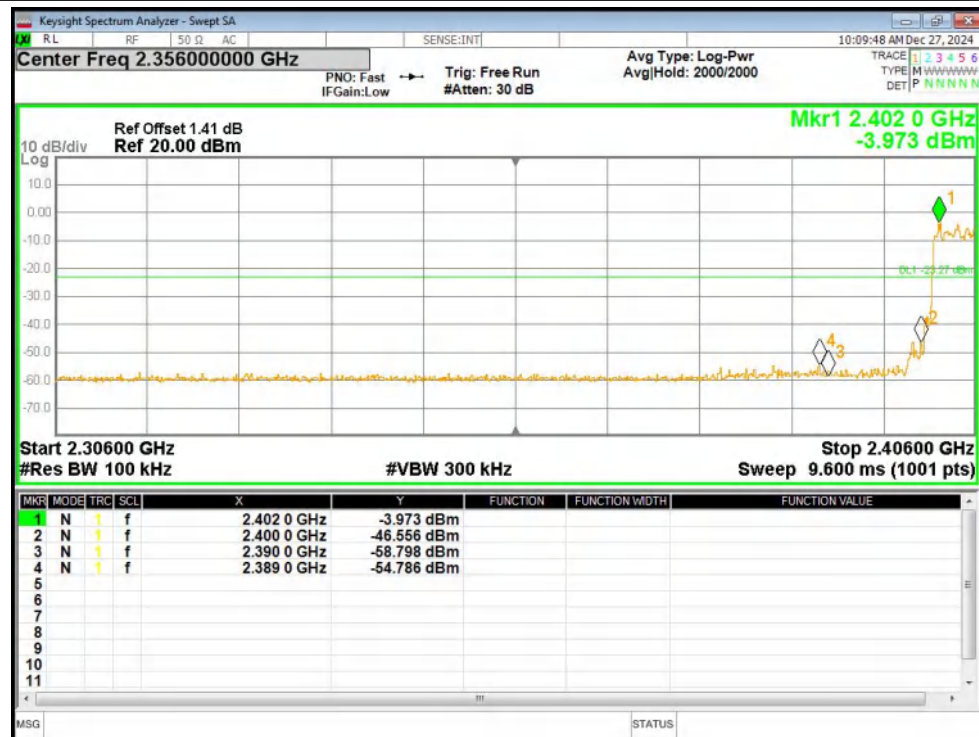
# Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



## Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



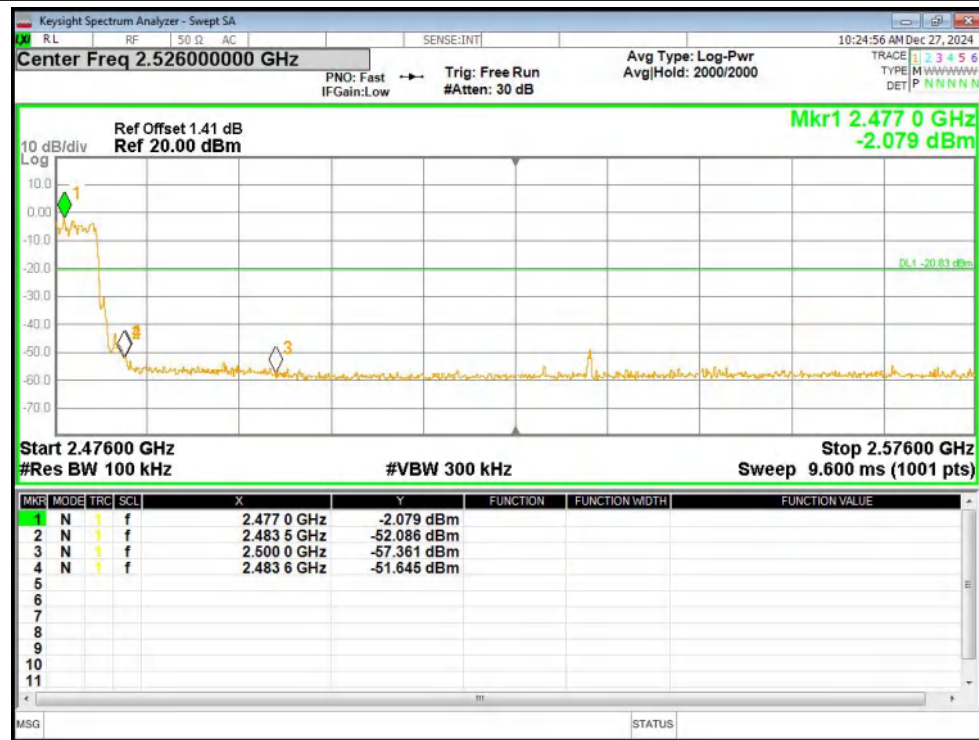
## Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



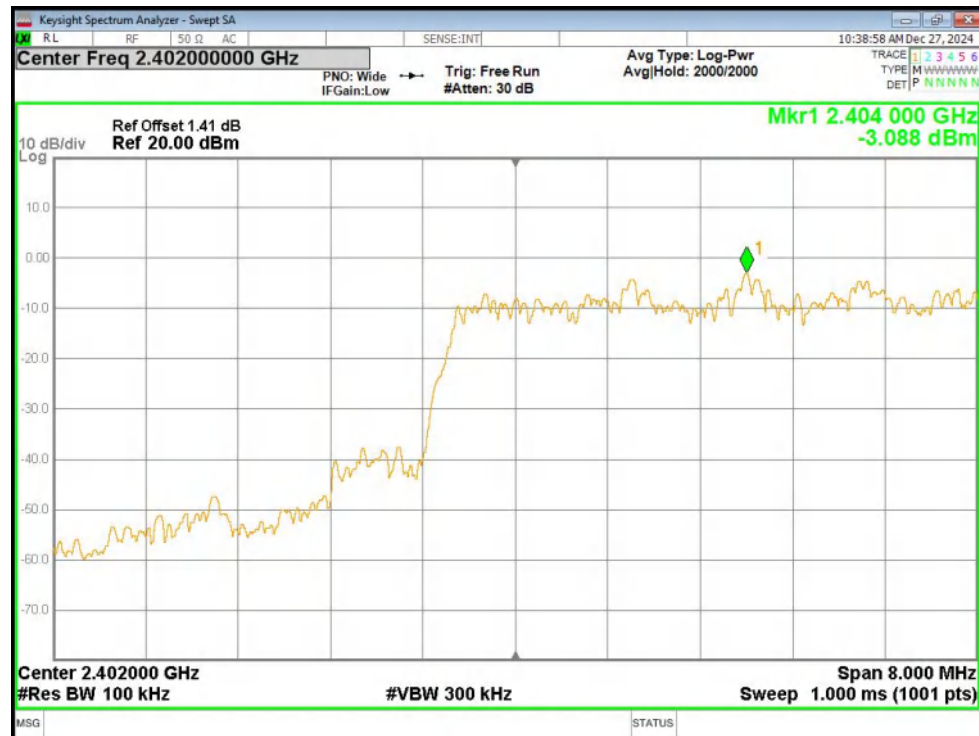
# Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



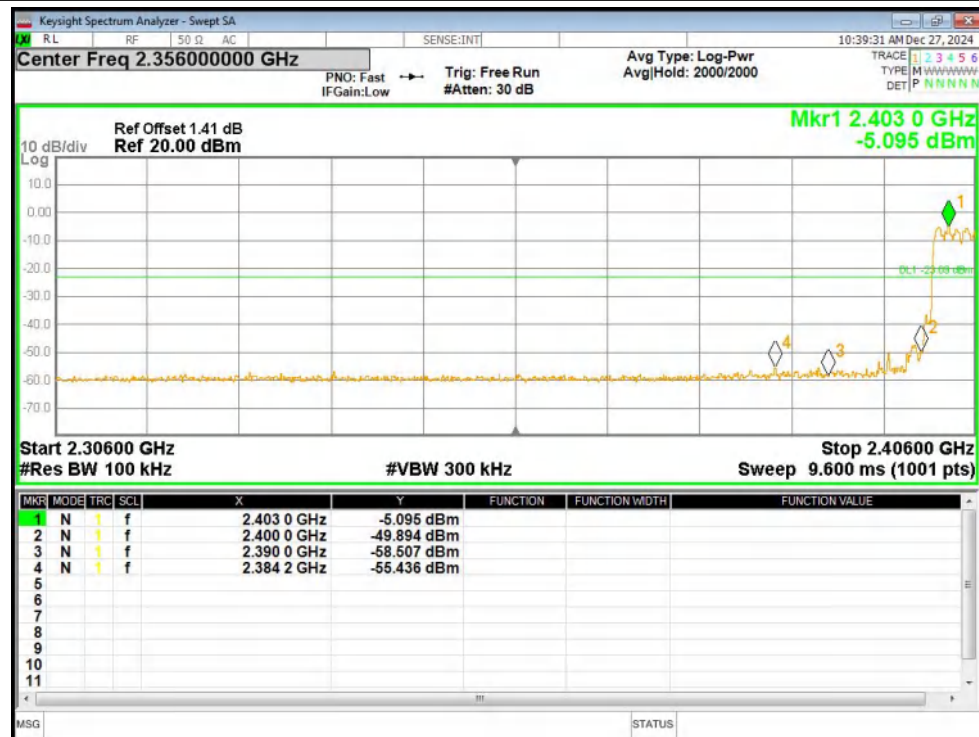
# Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



# Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



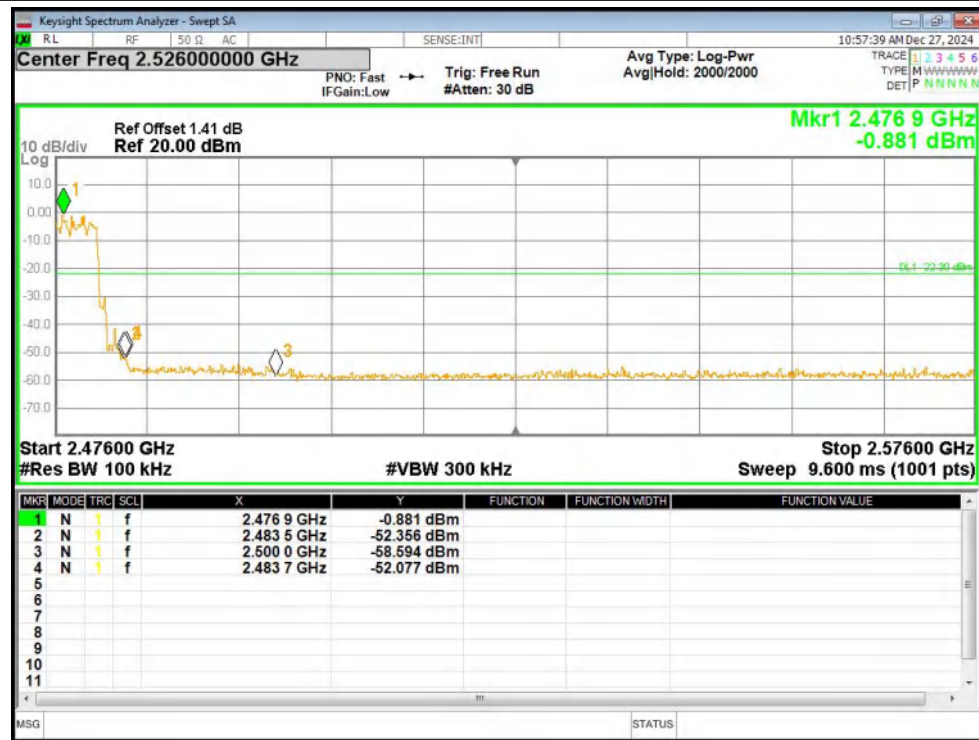
# Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission



# Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



# Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission



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#### 8. Conducted RF Spurious Emission

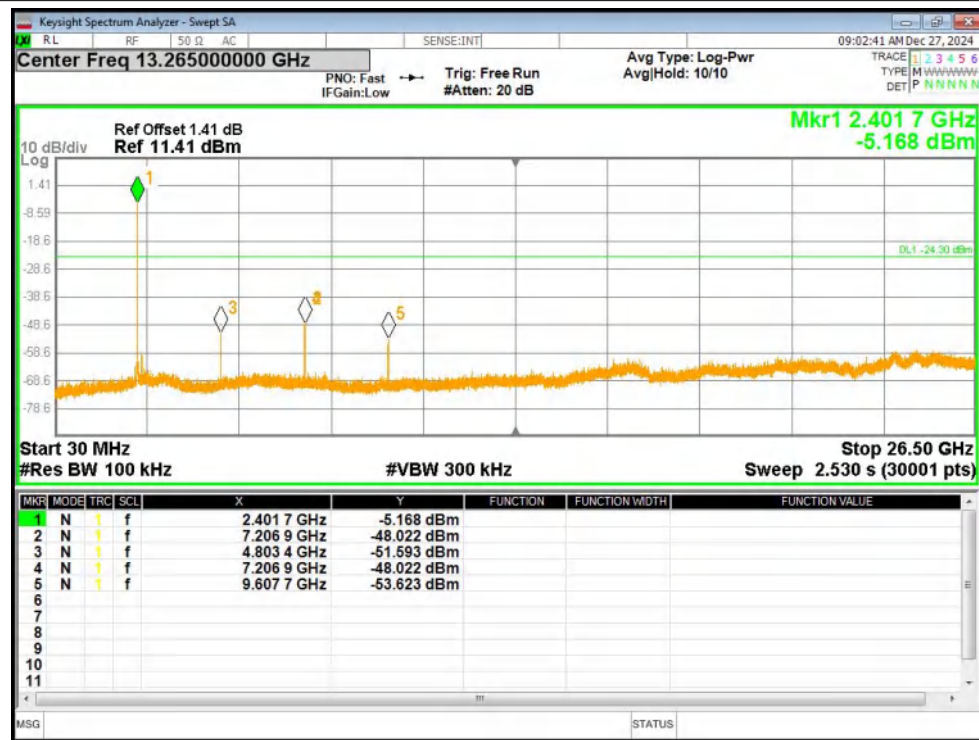
| Mode  | Frequency (MHz) | Max Value (dBc) | Limit (dBc) | Verdict |
|-------|-----------------|-----------------|-------------|---------|
| 1-DH5 | 2402            | -43.72          | -20         | Pass    |
| 1-DH5 | 2441            | -41.93          | -20         | Pass    |
| 1-DH5 | 2480            | -42.57          | -20         | Pass    |
| 2-DH5 | 2402            | -48.32          | -20         | Pass    |
| 2-DH5 | 2441            | -48.91          | -20         | Pass    |
| 2-DH5 | 2480            | -45.97          | -20         | Pass    |
| 3-DH5 | 2402            | -48.27          | -20         | Pass    |
| 3-DH5 | 2441            | -49.48          | -20         | Pass    |
| 3-DH5 | 2480            | -47.19          | -20         | Pass    |

## Test Graphs

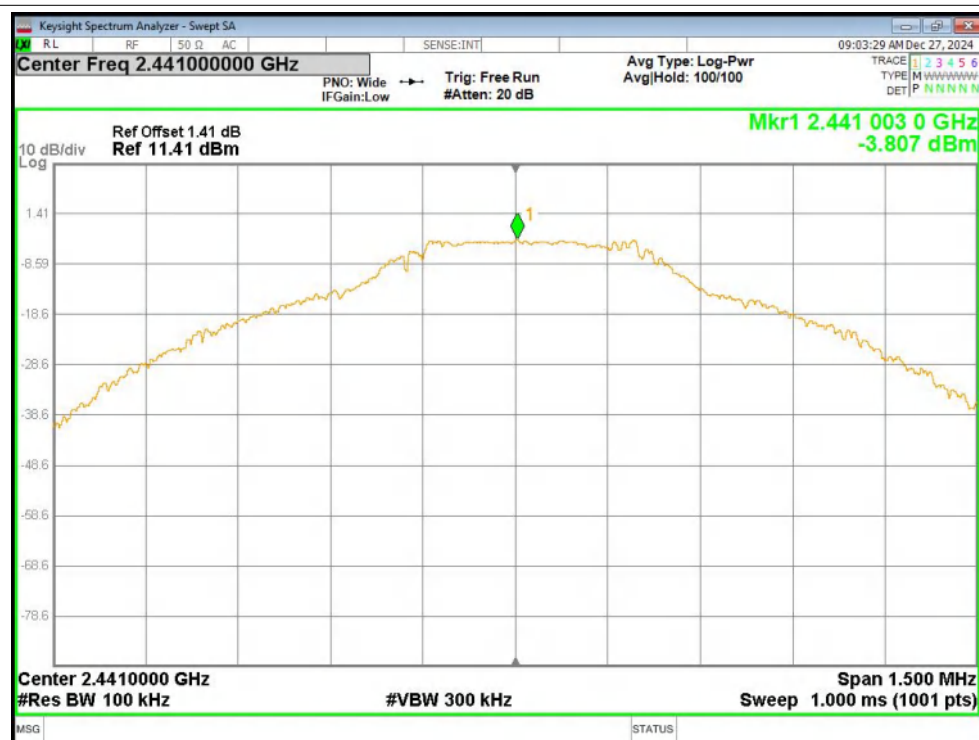
### Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



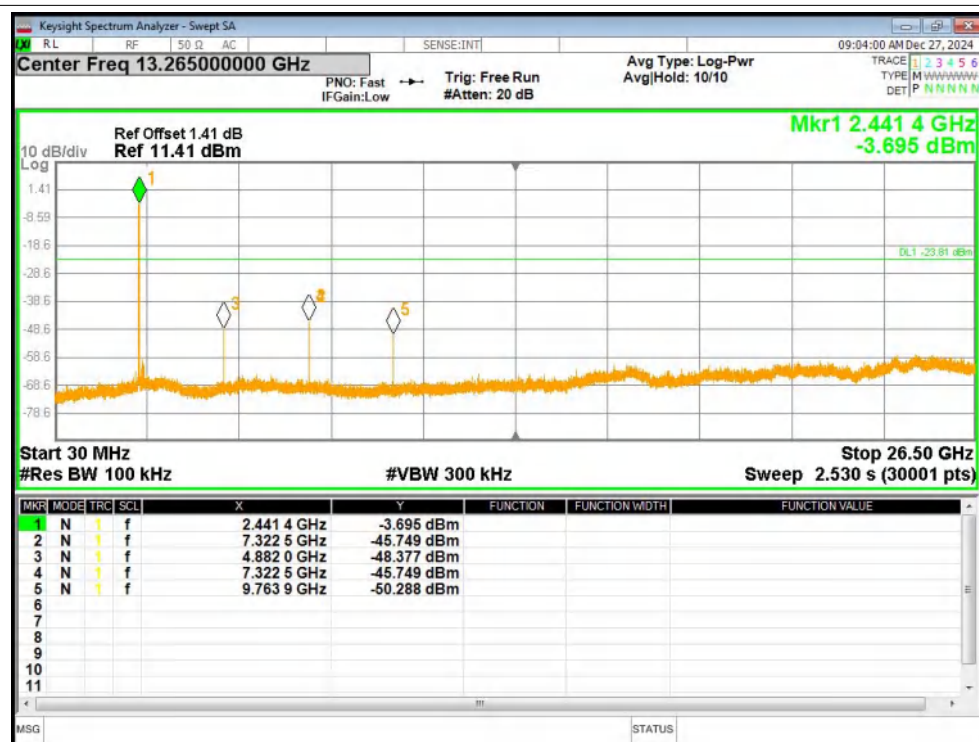
### Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



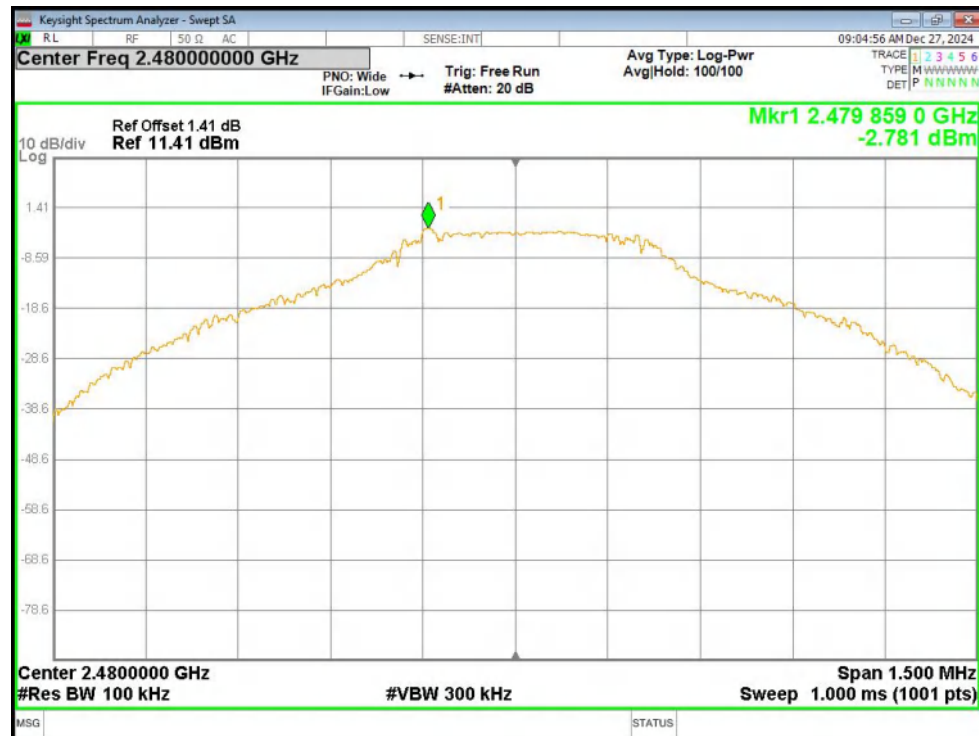
# Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



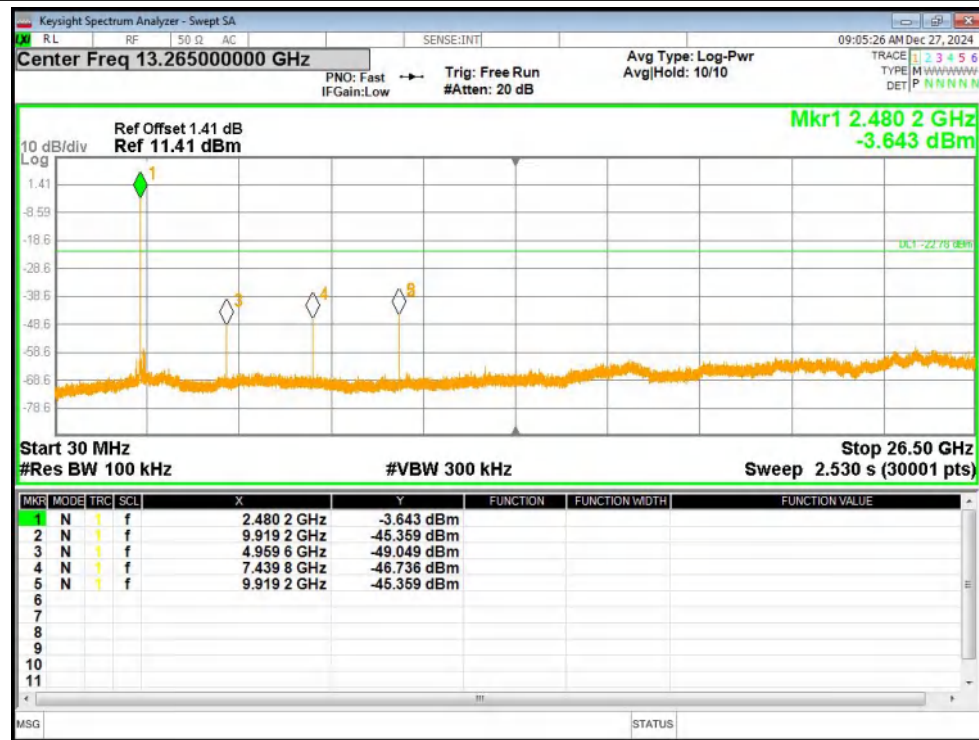
# Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



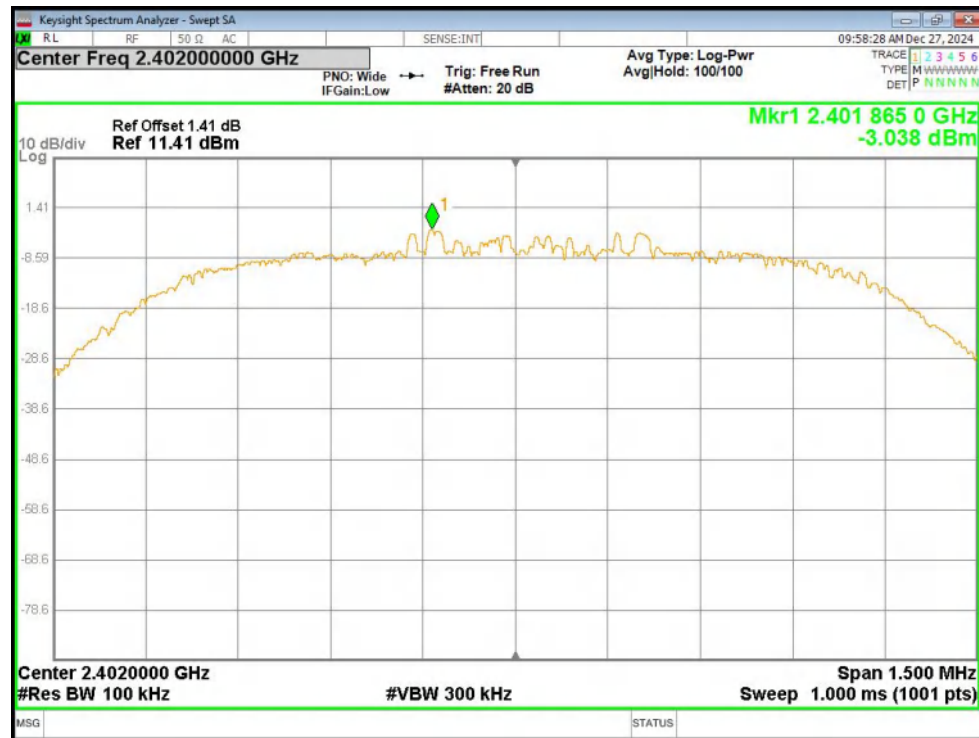
### Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



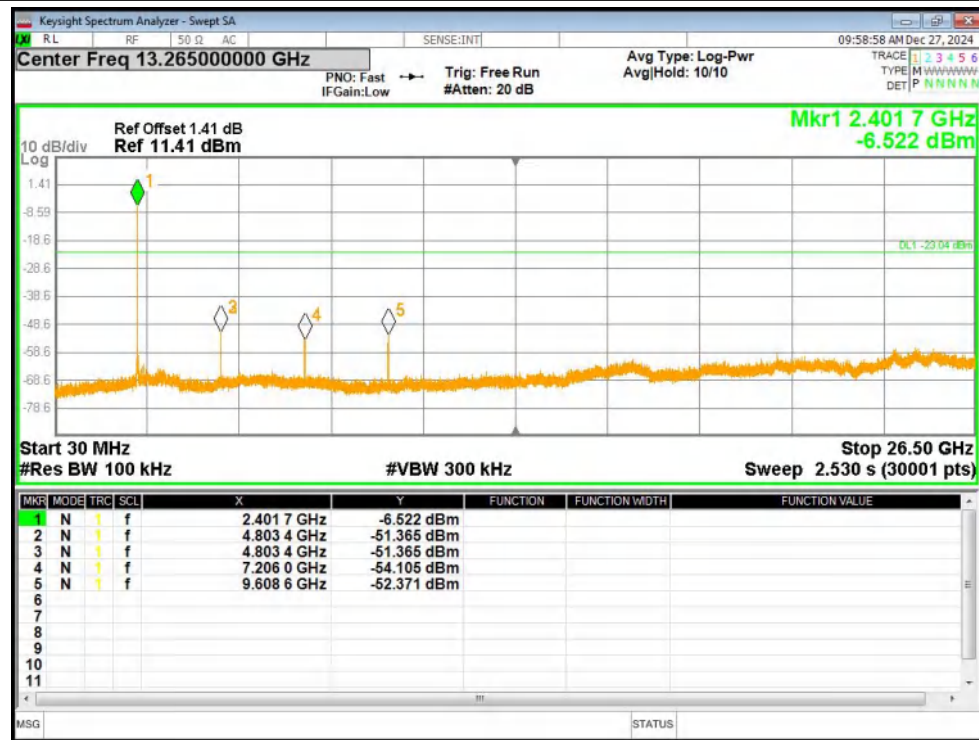
### Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



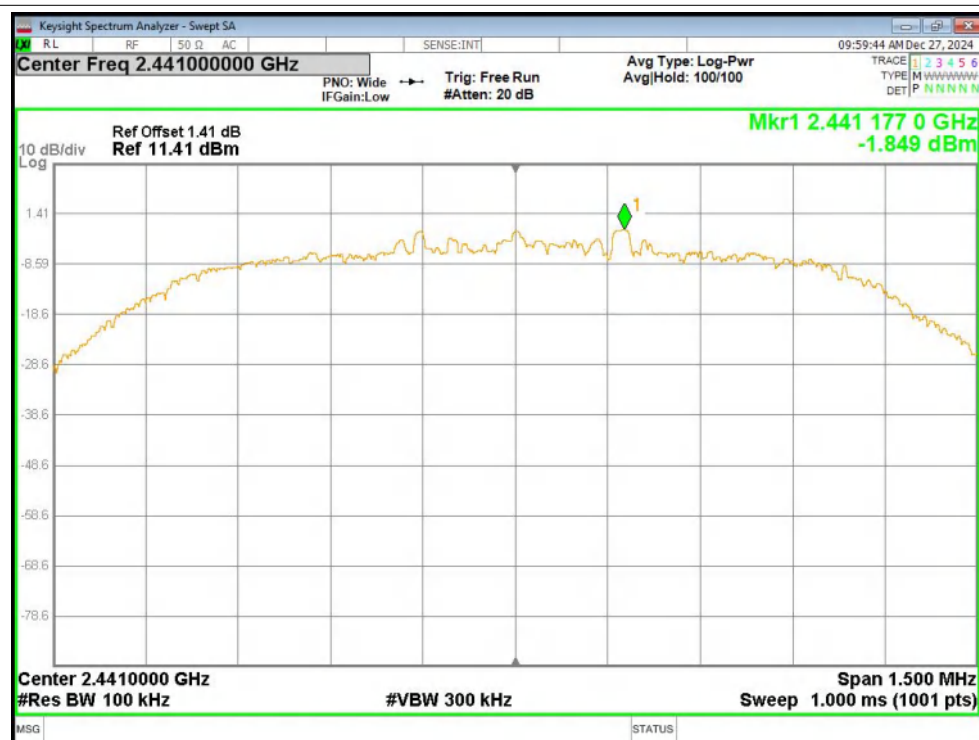
# Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



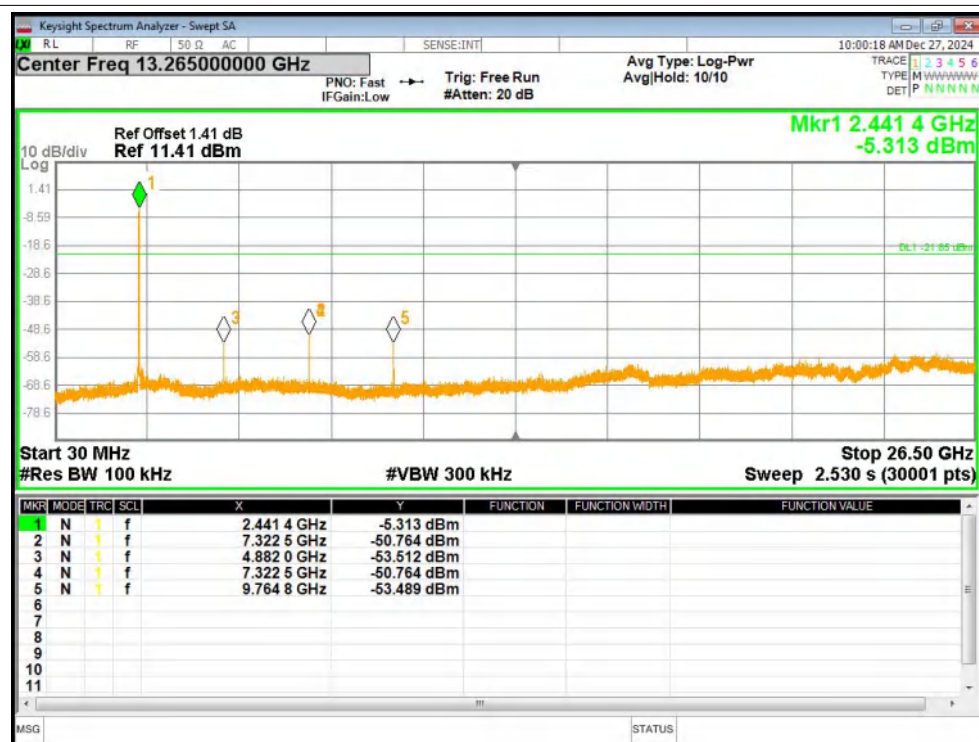
# Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



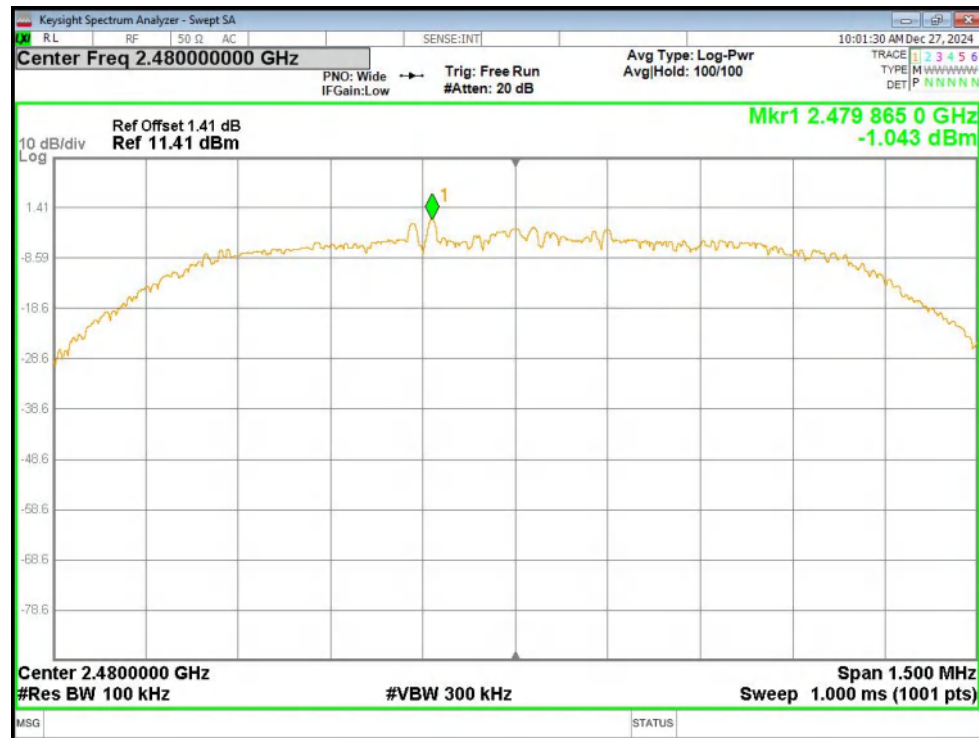
## Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



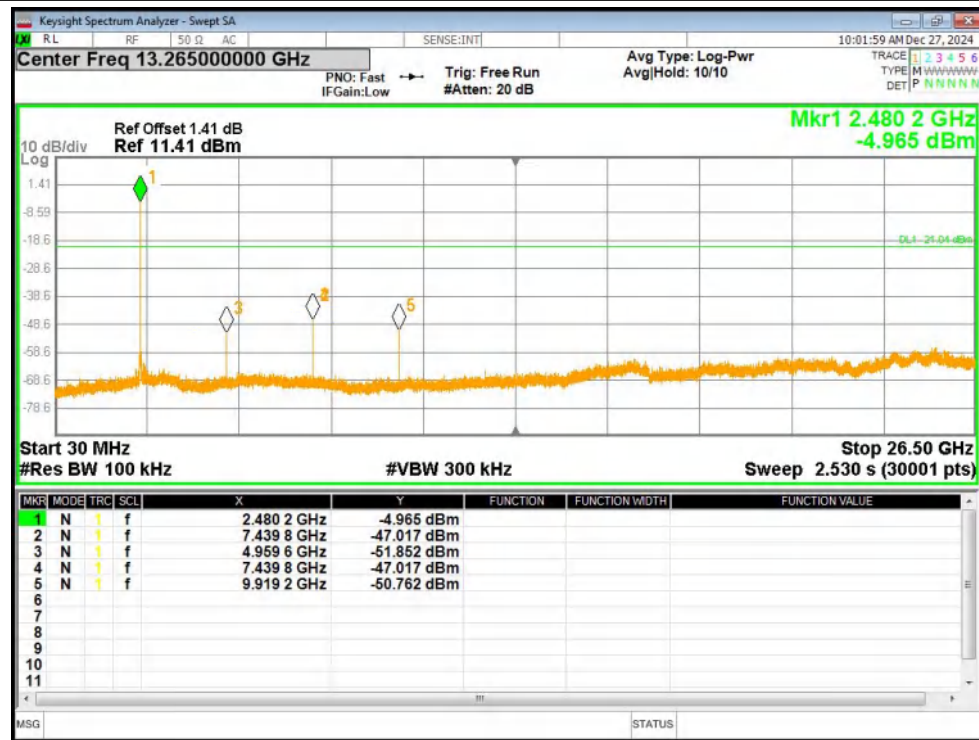
## Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



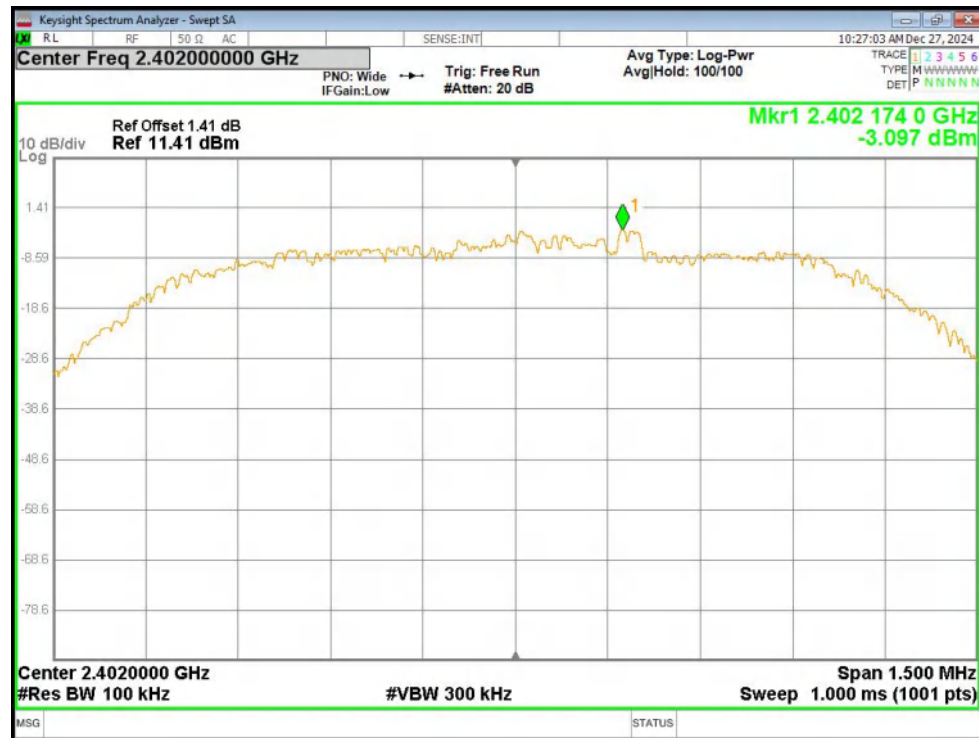
# Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



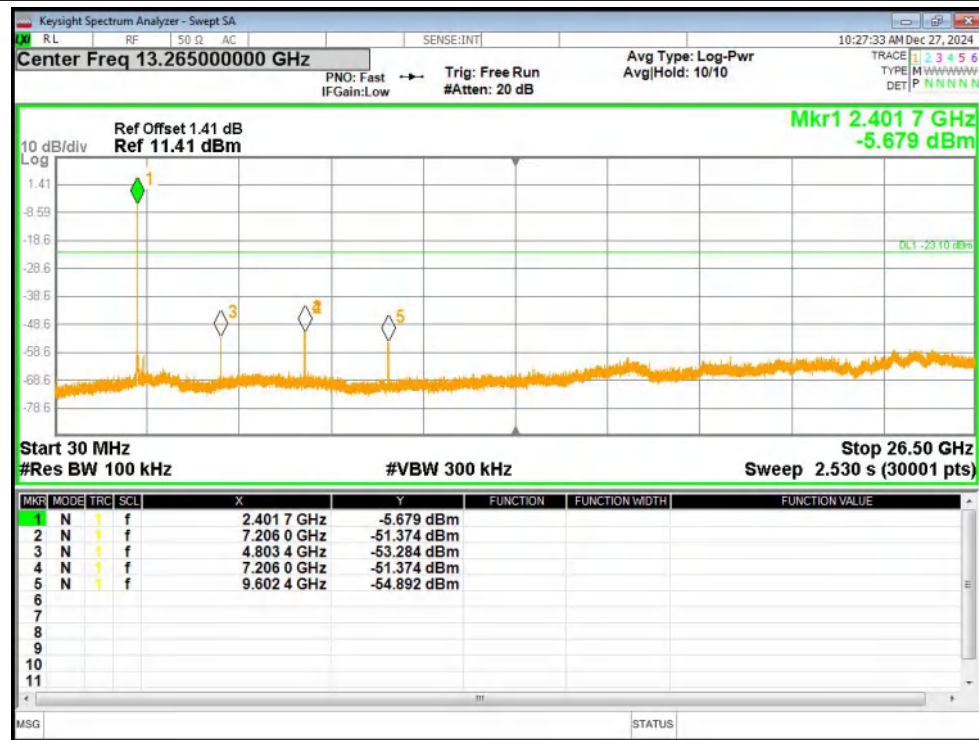
# Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



# Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



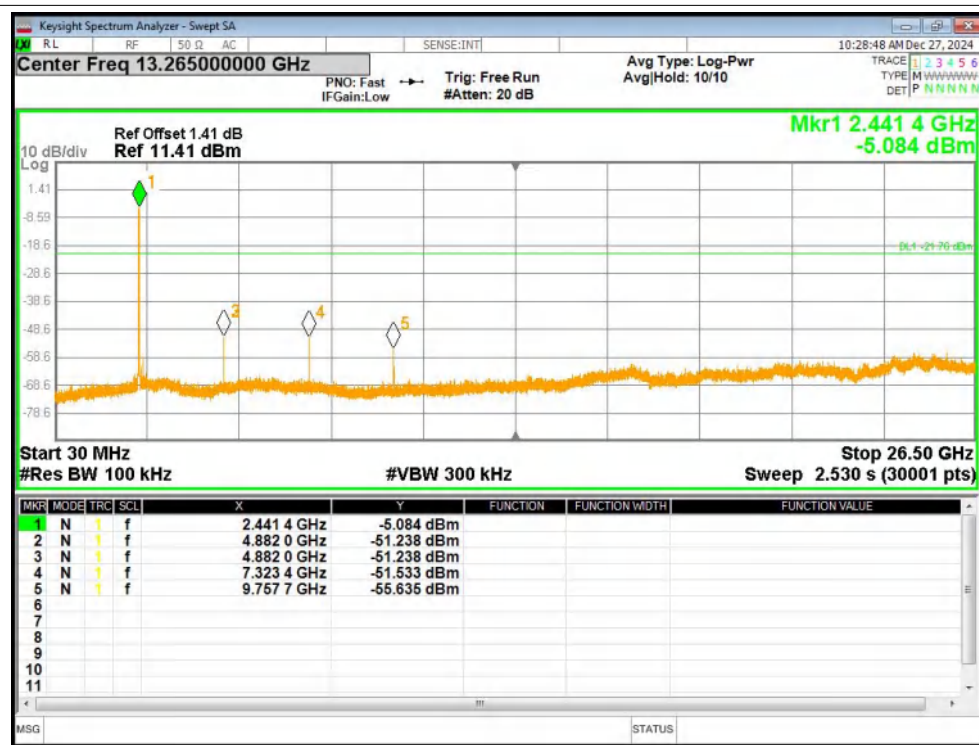
# Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



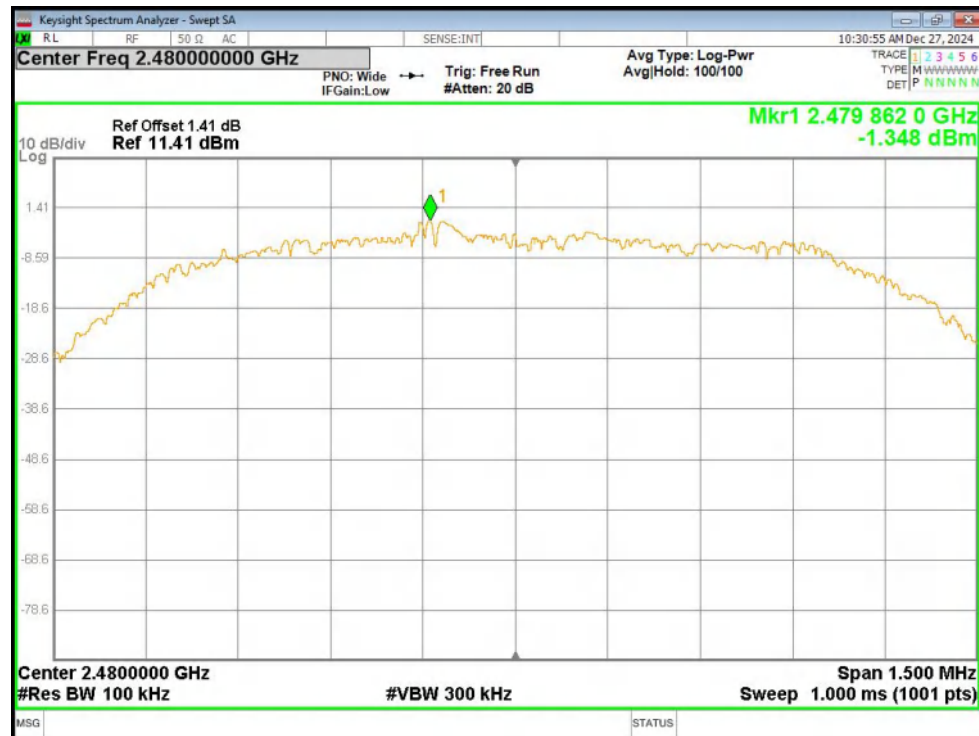
# Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



# Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



### Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



### Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission

