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

### 1.Dwell Time

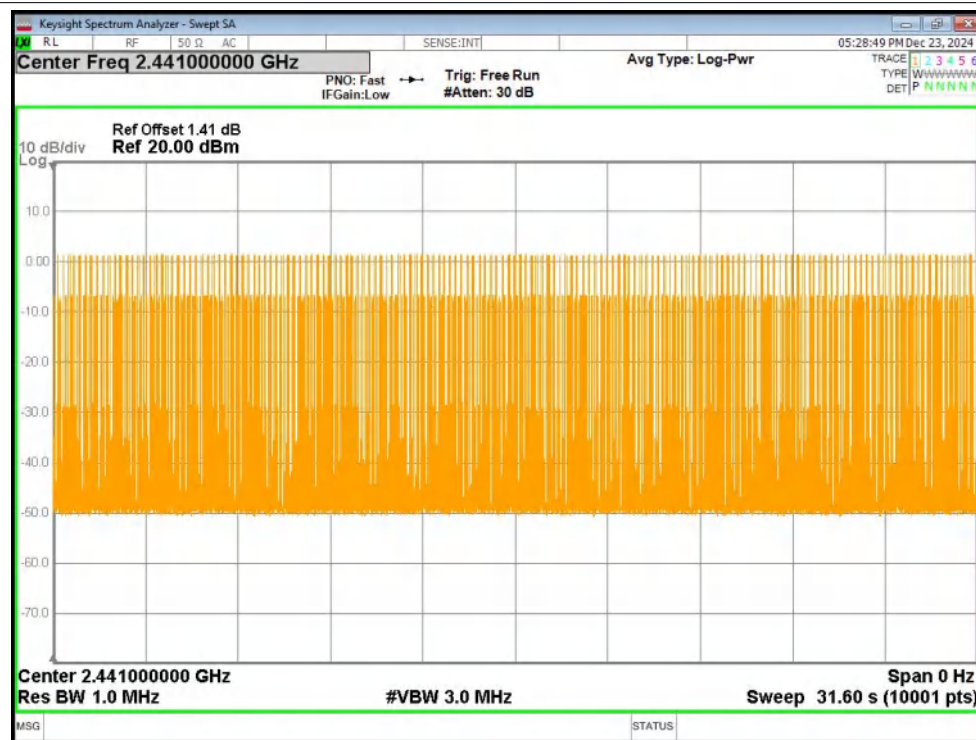
| Mode  | Frequency (MHz) | Pulse Time (ms) | Total Dwell Time (ms) | Burst Count | Period Time (ms) | Limit (ms) | Verdict |
|-------|-----------------|-----------------|-----------------------|-------------|------------------|------------|---------|
| 1-DH1 | 2441            | 0.397           | 125.452               | 316         | 31600            | 400        | Pass    |
| 1-DH3 | 2441            | 1.656           | 251.712               | 152         | 31600            | 400        | Pass    |
| 1-DH5 | 2441            | 2.902           | 327.926               | 113         | 31600            | 400        | Pass    |
| 2-DH1 | 2441            | 0.408           | 128.52                | 315         | 31600            | 400        | Pass    |
| 2-DH3 | 2441            | 1.659           | 267.099               | 161         | 31600            | 400        | Pass    |
| 2-DH5 | 2441            | 2.891           | 326.683               | 113         | 31600            | 400        | Pass    |
| 3-DH1 | 2441            | 0.41            | 129.56                | 316         | 31600            | 400        | Pass    |
| 3-DH3 | 2441            | 1.658           | 256.99                | 155         | 31600            | 400        | Pass    |
| 3-DH5 | 2441            | 2.908           | 314.064               | 108         | 31600            | 400        | Pass    |

## Test Graphs

### Dwell NVNT 1-DH1 2441MHz Ant1 One Burst



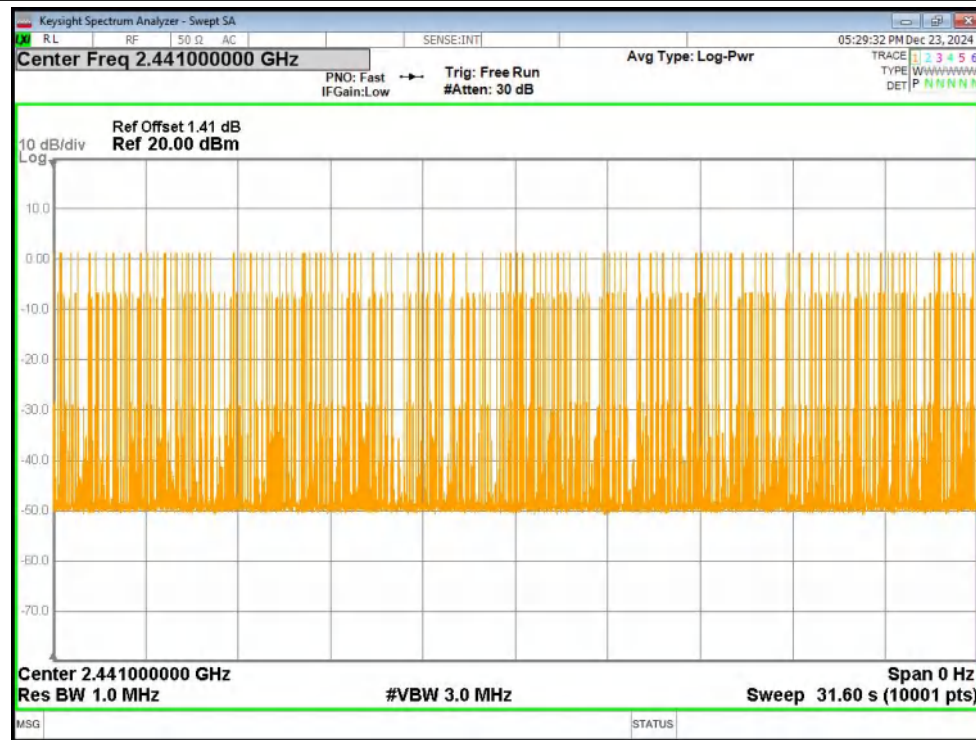
### Dwell NVNT 1-DH1 2441MHz Ant1 Accumulated



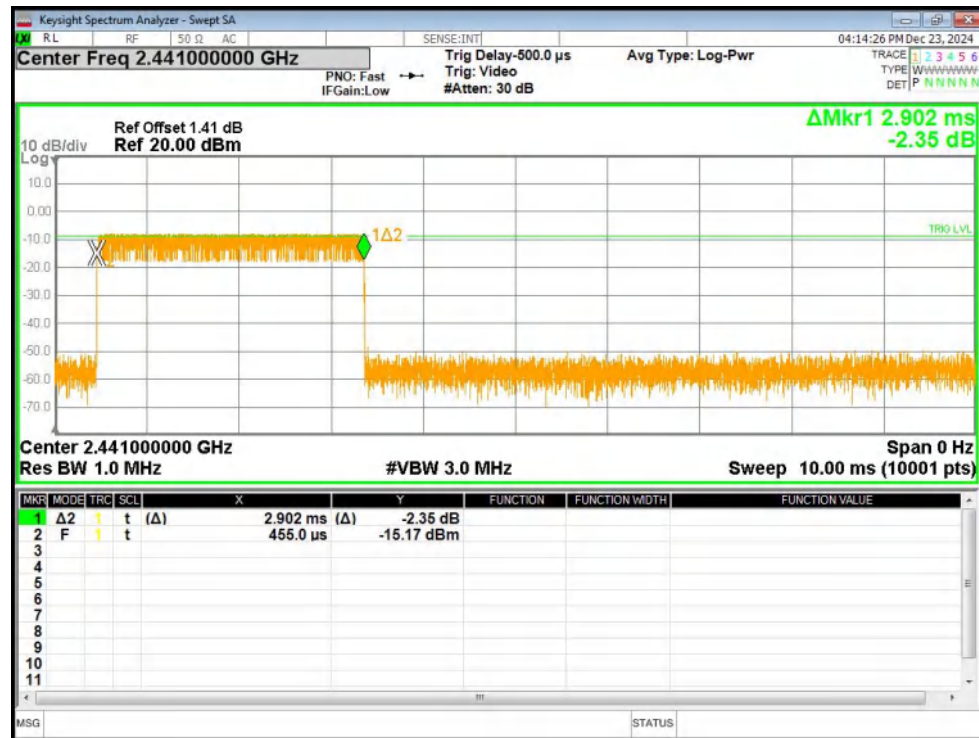
### Dwell NVNT 1-DH3 2441MHz Ant1 One Burst



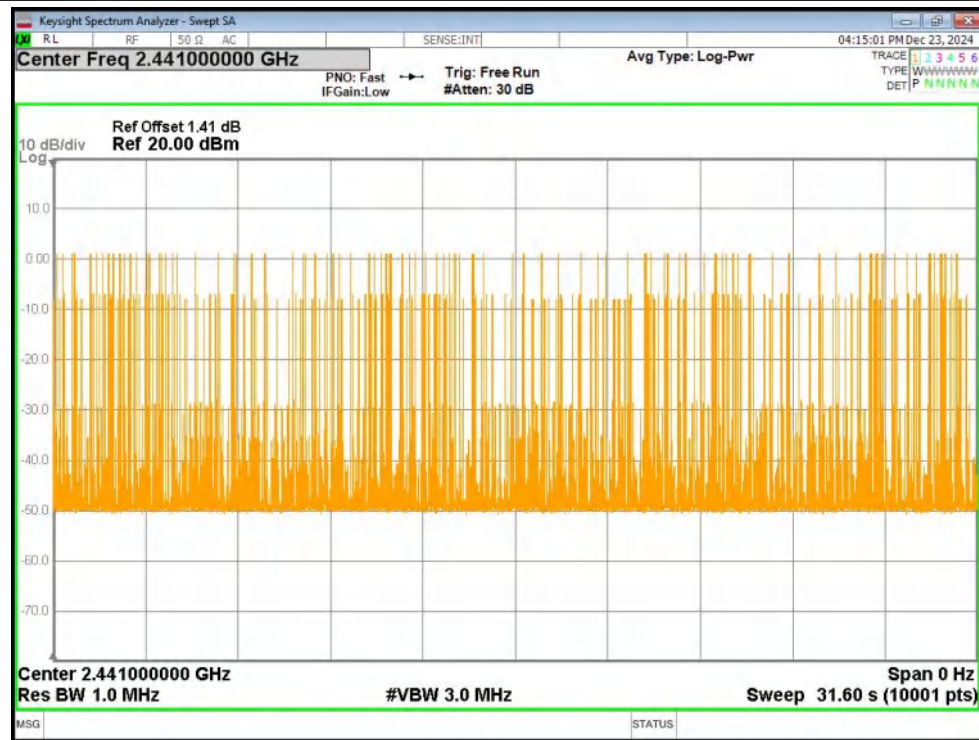
### Dwell NVNT 1-DH3 2441MHz Ant1 Accumulated



# Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



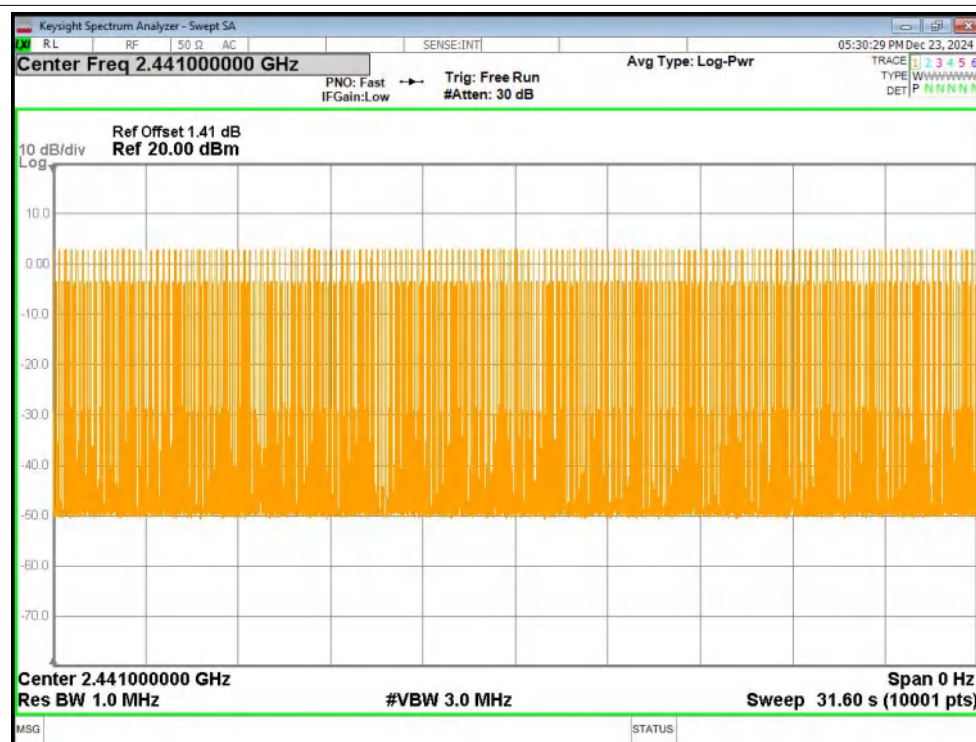
# Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



# Dwell NVNT 2-DH1 2441MHz Ant1 One Burst



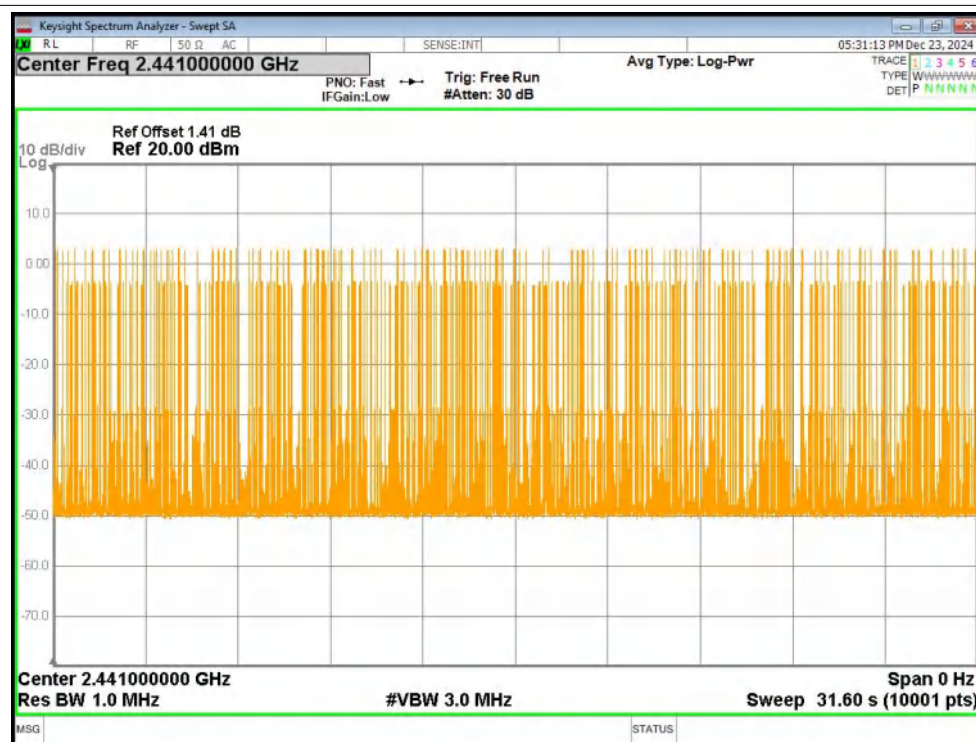
# Dwell NVNT 2-DH1 2441MHz Ant1 Accumulated



# Dwell NVNT 2-DH3 2441MHz Ant1 One Burst



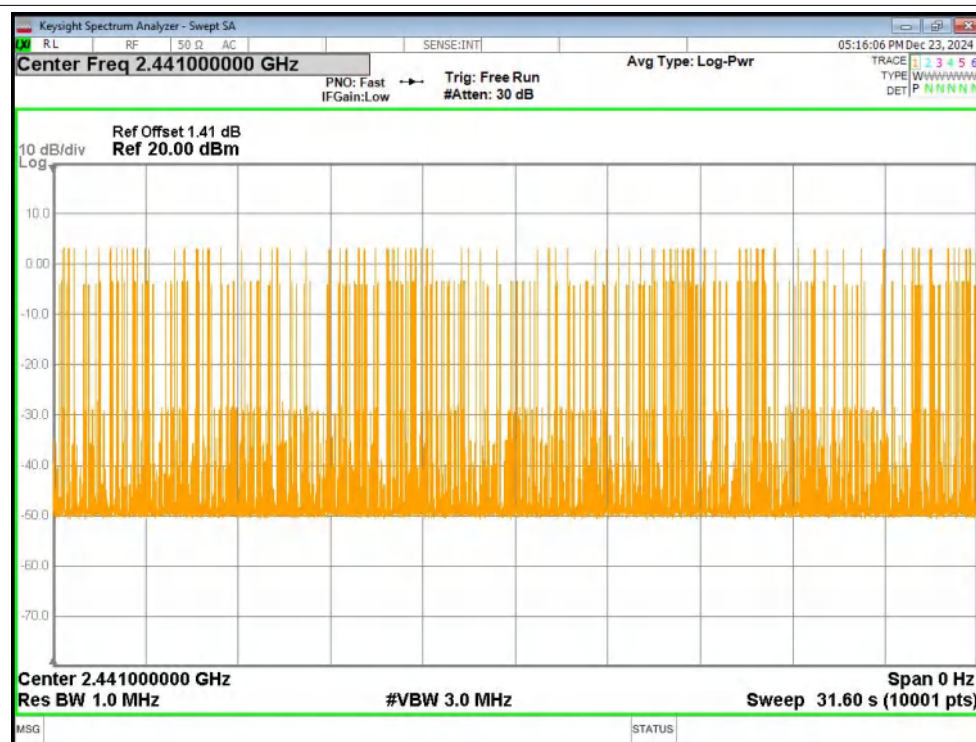
# Dwell NVNT 2-DH3 2441MHz Ant1 Accumulated



# Dwell NVNT 2-DH5 2441MHz Ant1 One Burst



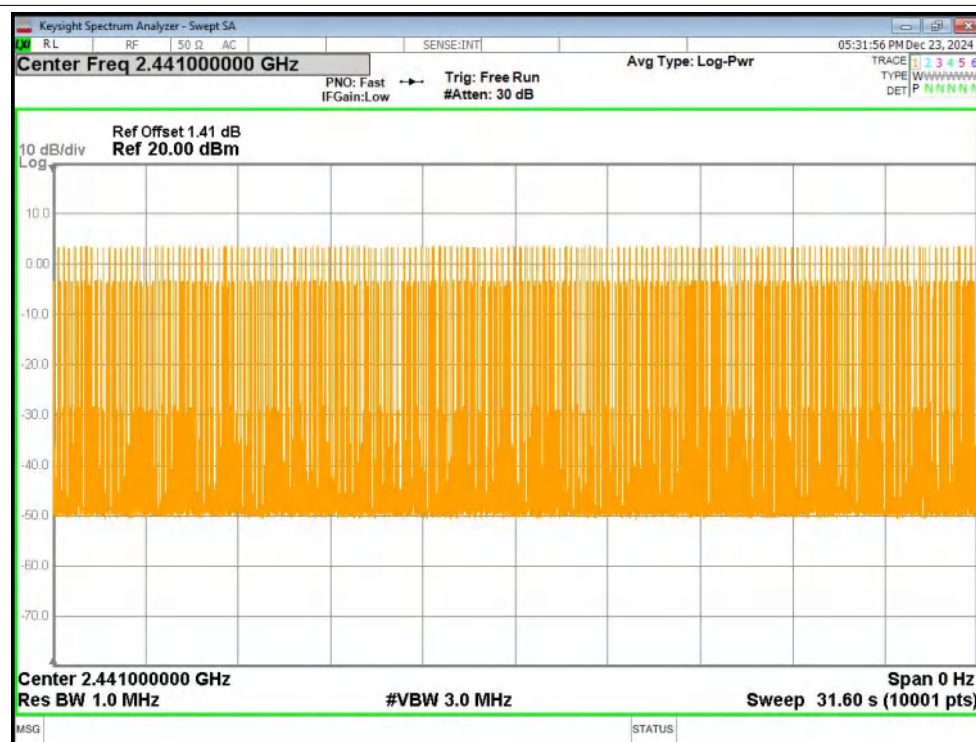
# Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



# Dwell NVNT 3-DH1 2441MHz Ant1 One Burst



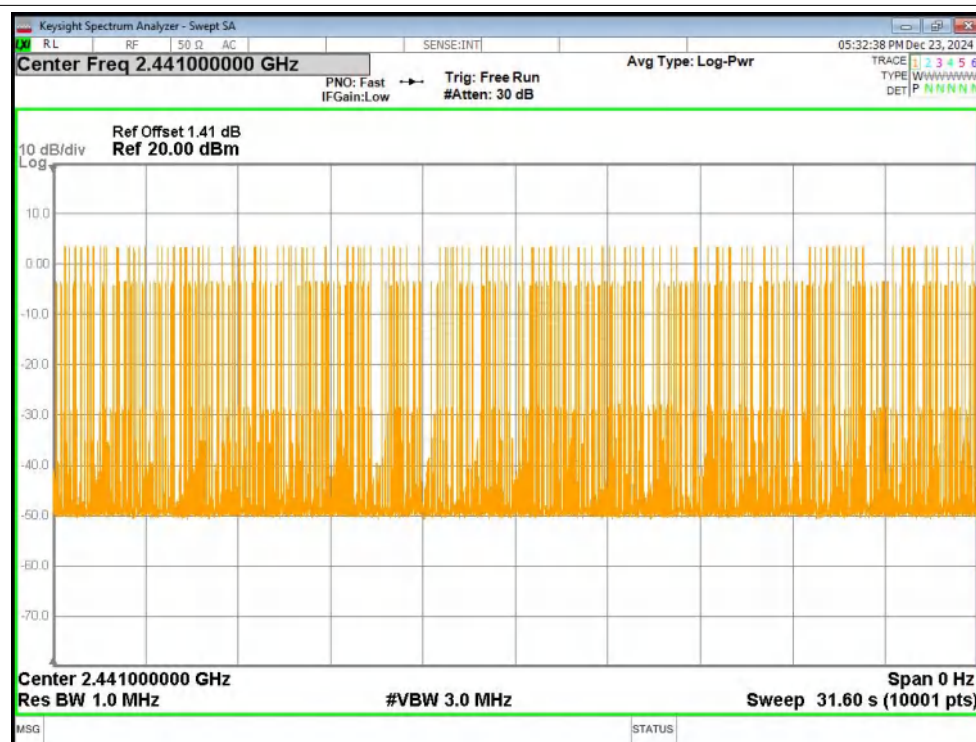
# Dwell NVNT 3-DH1 2441MHz Ant1 Accumulated



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



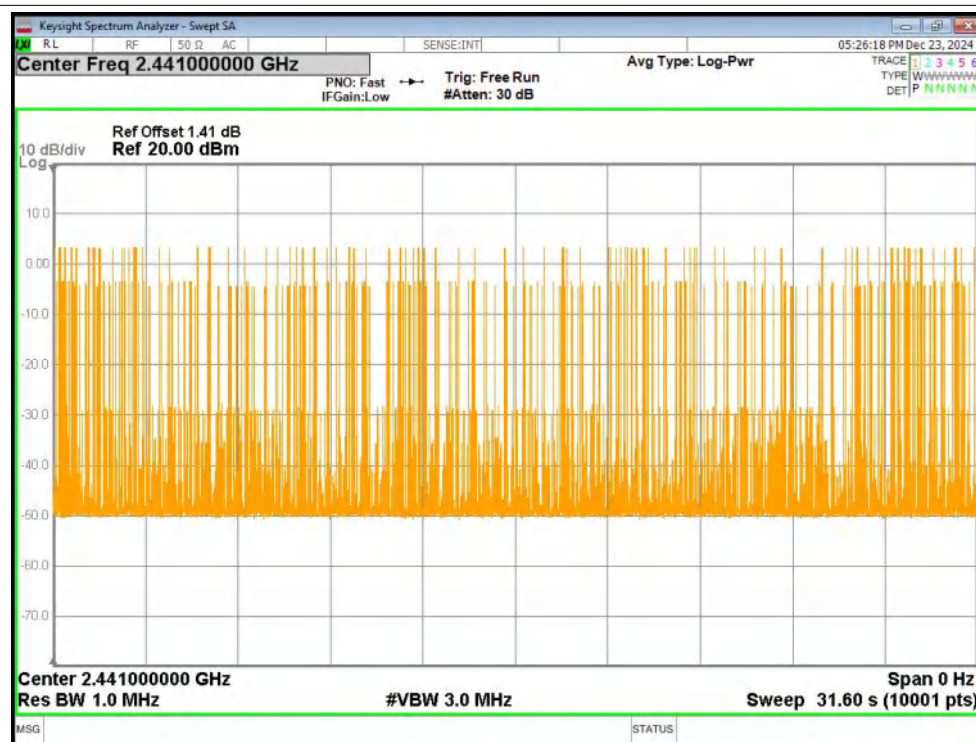
### Dwell NVNT 3-DH3 2441MHz Ant1 Accumulated



# Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



# Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated



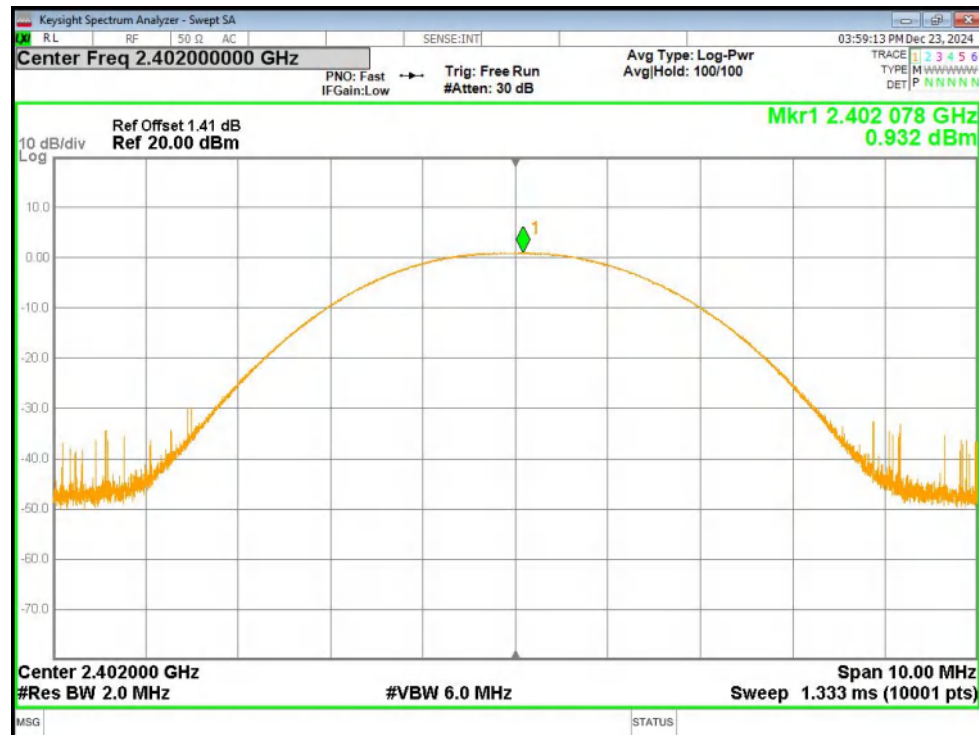
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## 2.Maximum Peak Conducted Output Power

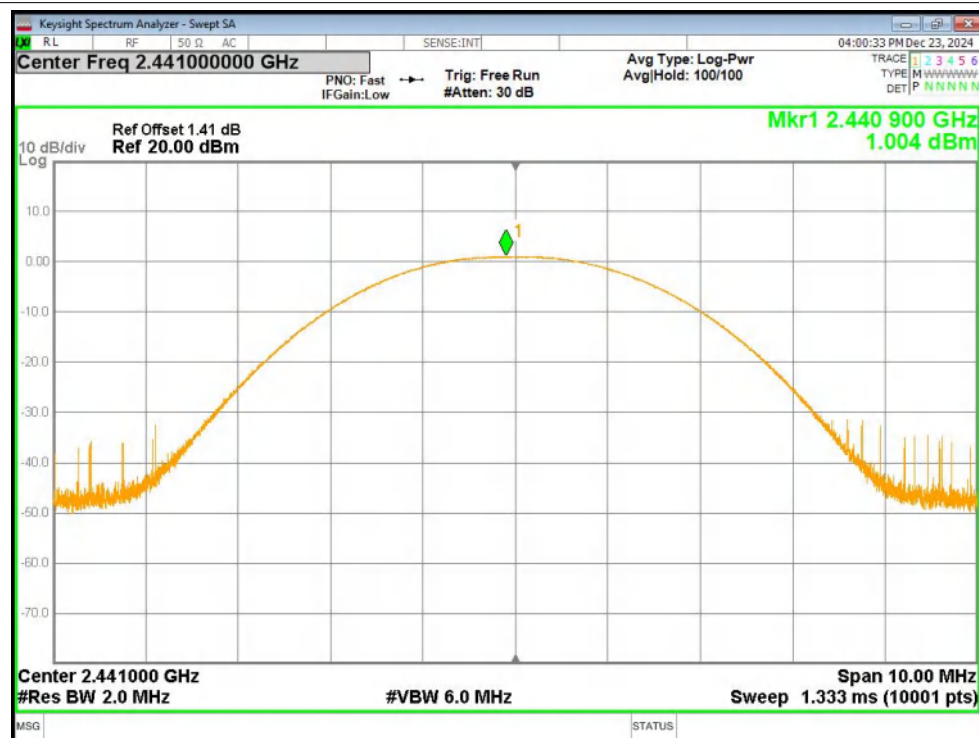
| Mode  | Frequency (MHz) | Total Power (dBm) | Limit (dBm) | Verdict |
|-------|-----------------|-------------------|-------------|---------|
| 1-DH5 | 2402            | 0.93              | 30          | Pass    |
| 1-DH5 | 2441            | 1.00              | 30          | Pass    |
| 1-DH5 | 2480            | 0.62              | 30          | Pass    |
| 2-DH5 | 2402            | 2.95              | 21          | Pass    |
| 2-DH5 | 2441            | 3.00              | 21          | Pass    |
| 2-DH5 | 2480            | 2.79              | 21          | Pass    |
| 3-DH5 | 2402            | 3.44              | 21          | Pass    |
| 3-DH5 | 2441            | 3.64              | 21          | Pass    |
| 3-DH5 | 2480            | 3.37              | 21          | Pass    |

## Test Graphs

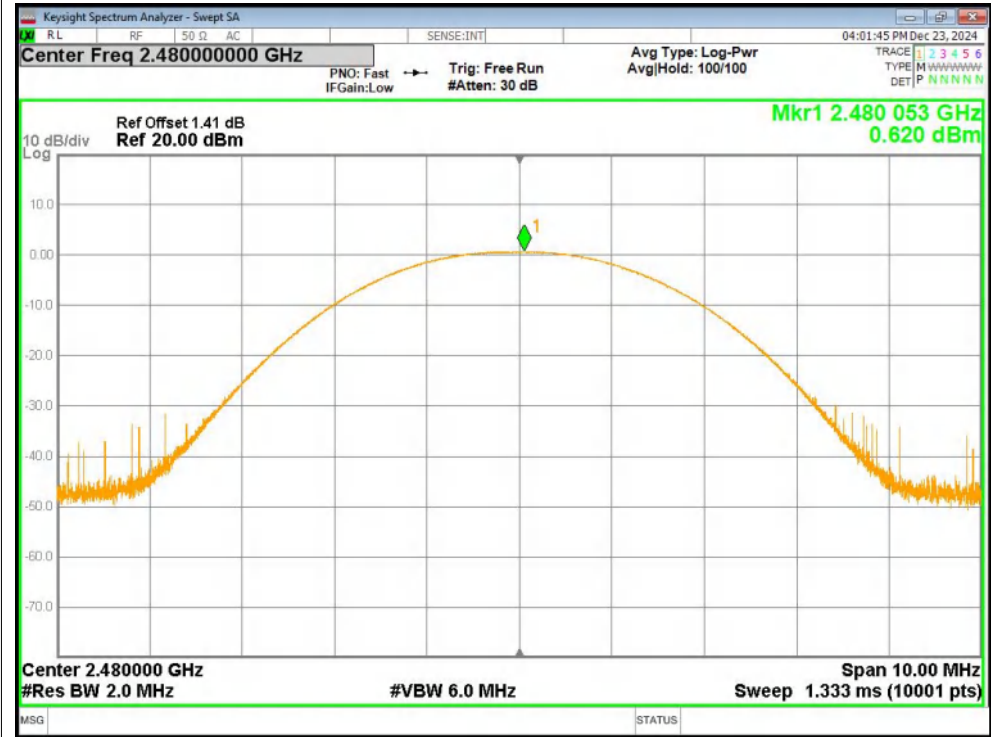
### Peak Power NVNT 1-DH5 2402MHz Ant1



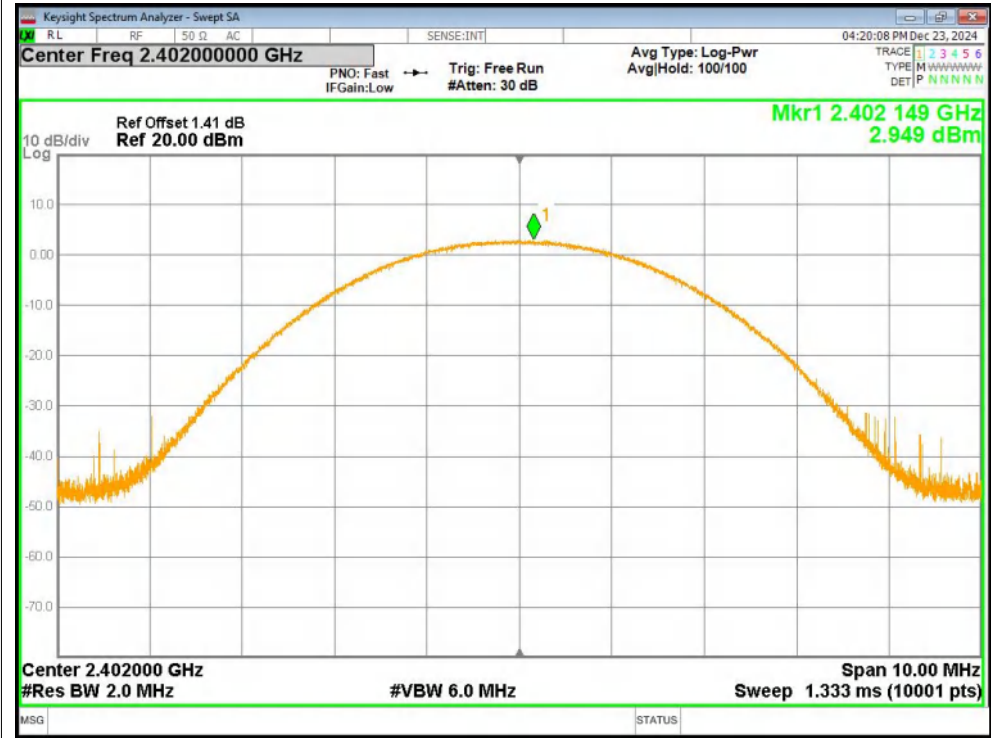
### Peak Power NVNT 1-DH5 2441MHz Ant1



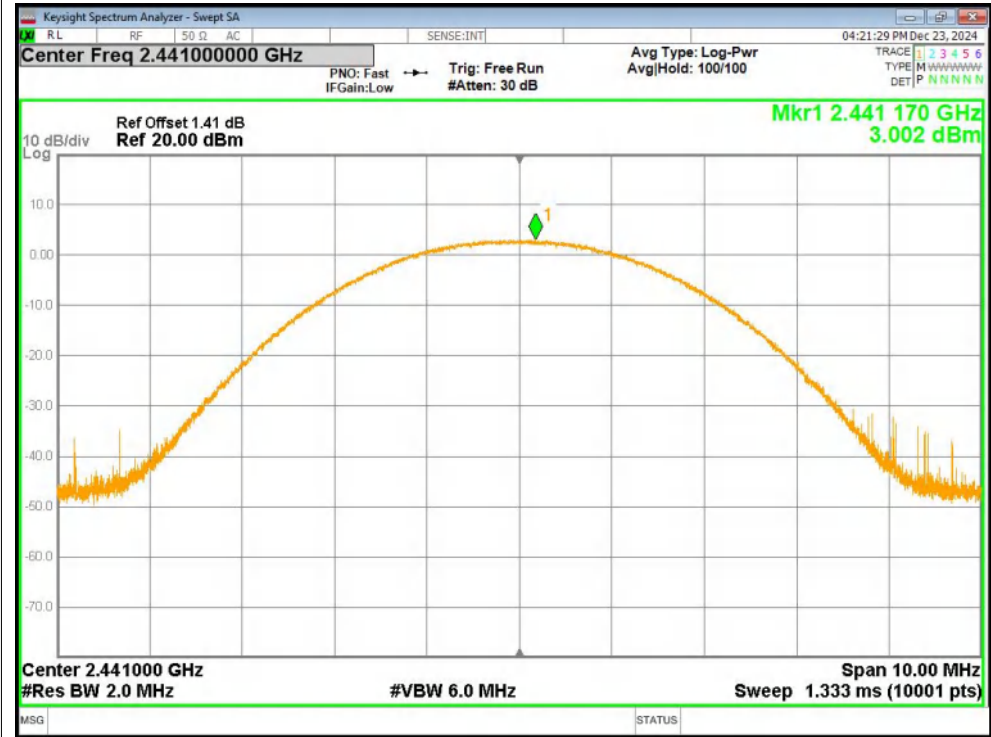
Peak Power NVNT 1-DH5 2480MHz Ant1



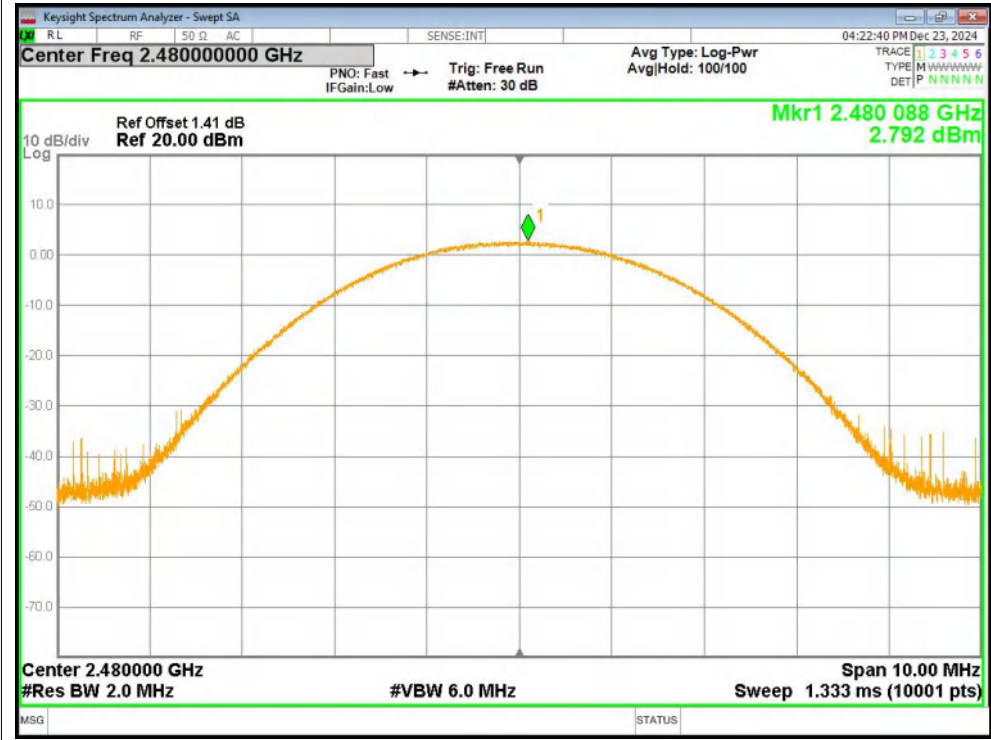
Peak Power NVNT 2-DH5 2402MHz Ant1



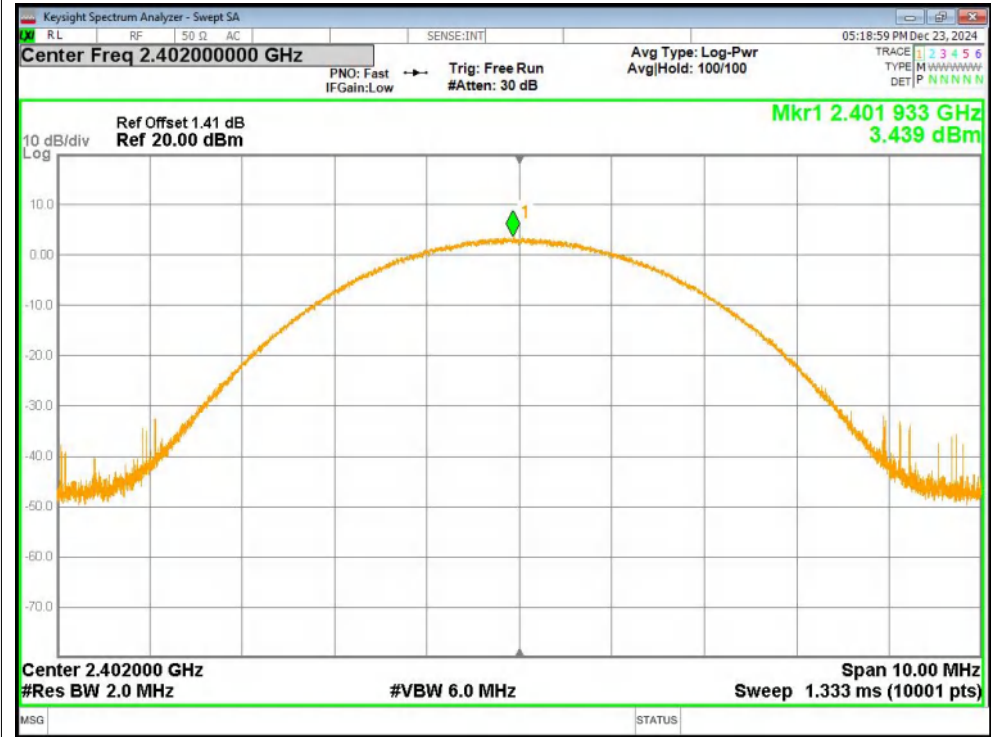
Peak Power NVNT 2-DH5 2441MHz Ant1



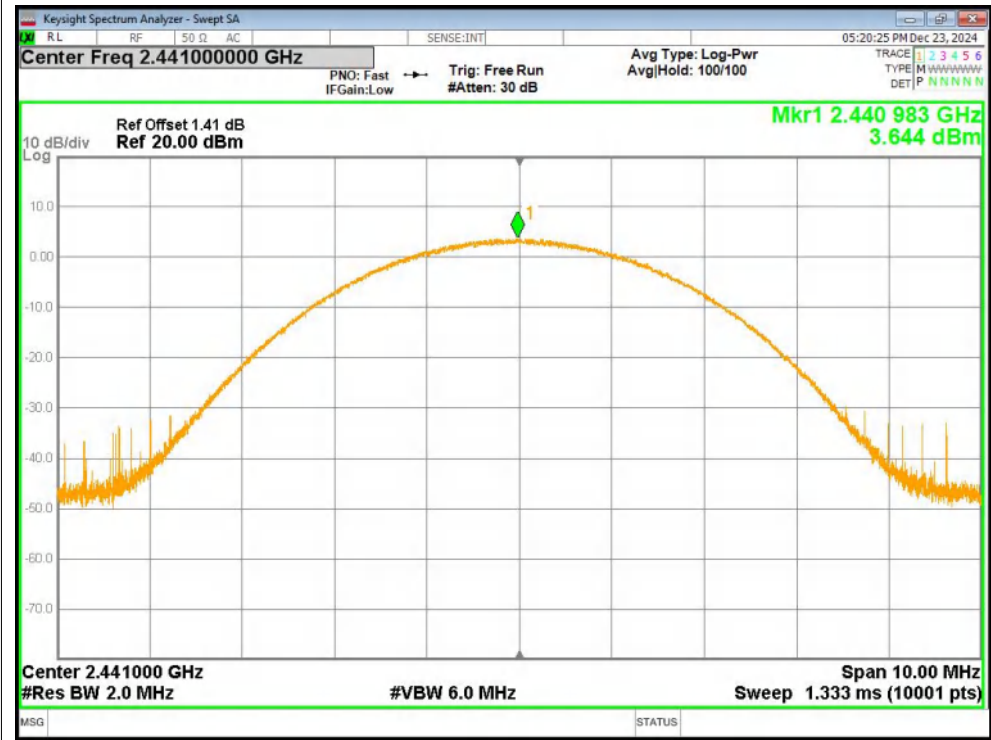
Peak Power NVNT 2-DH5 2480MHz Ant1



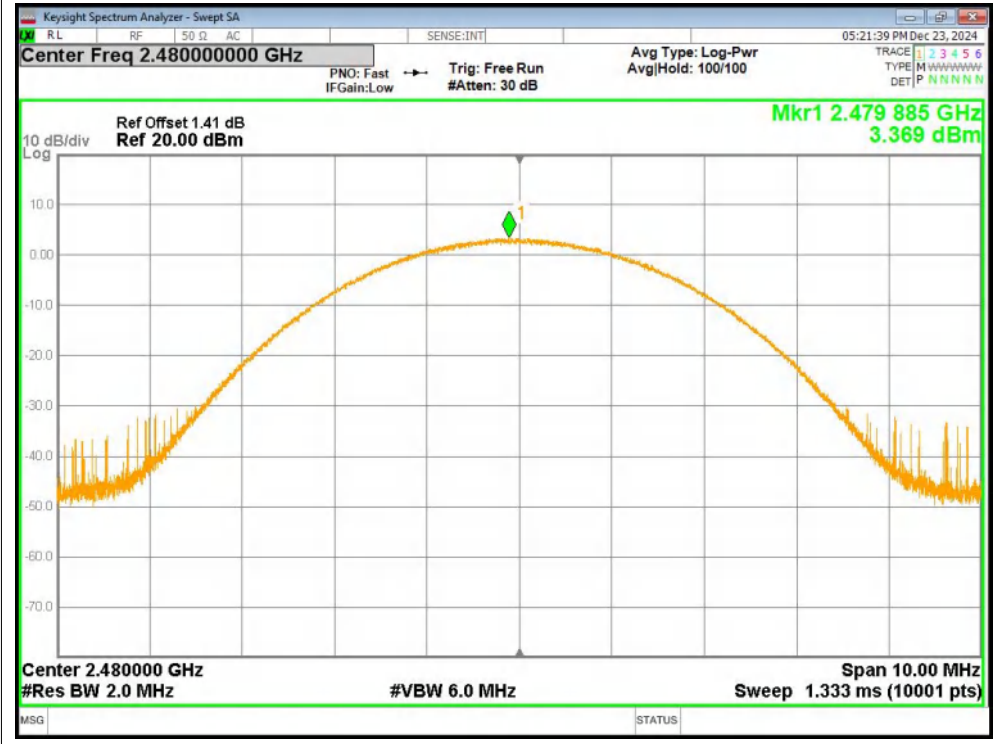
Peak Power NVNT 3-DH5 2402MHz Ant1



Peak Power NVNT 3-DH5 2441MHz Ant1



Peak Power NVNT 3-DH5 2480MHz Ant1



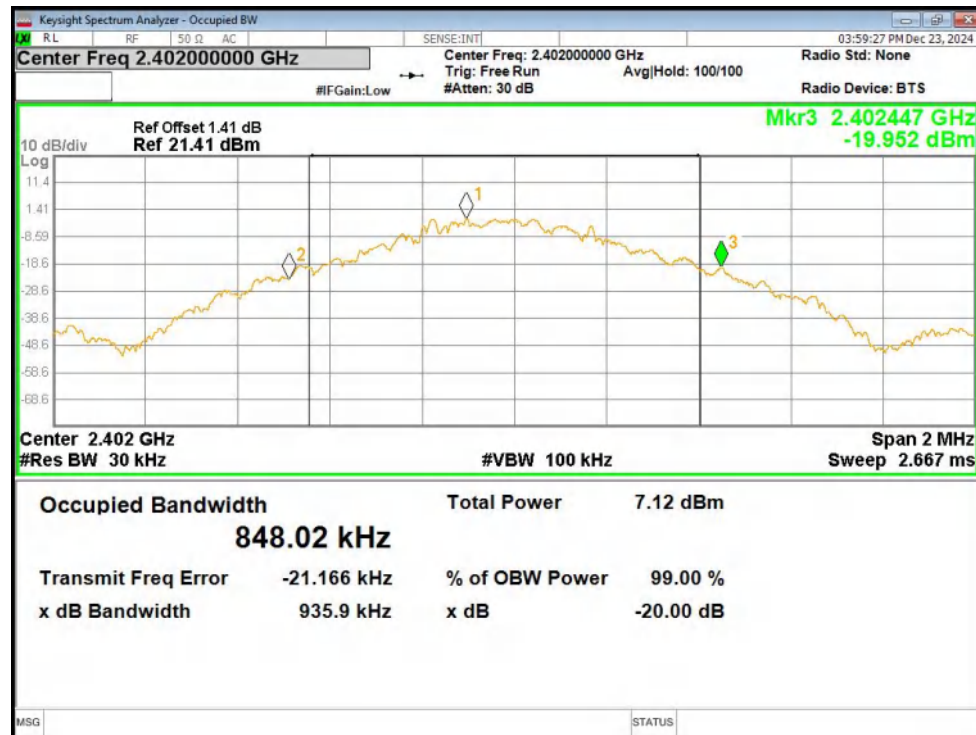
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### 3.-20dB Bandwidth

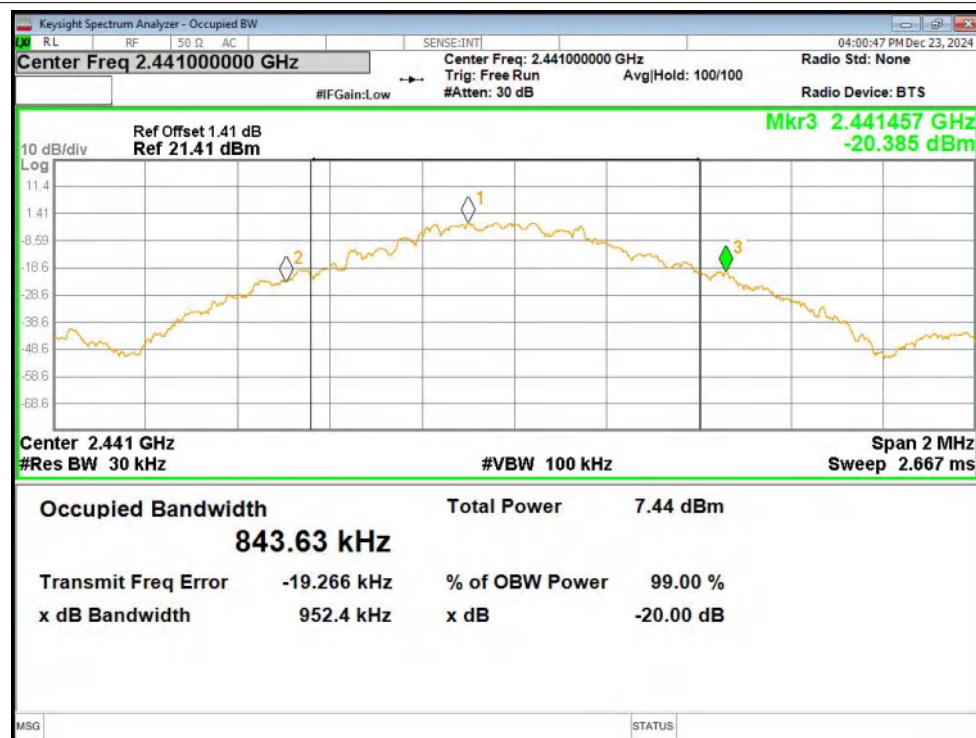
| Mode  | Frequency (MHz) | -20 dB Bandwidth (MHz) | Verdict |
|-------|-----------------|------------------------|---------|
| 1-DH5 | 2402            | 0.936                  | Pass    |
| 1-DH5 | 2441            | 0.952                  | Pass    |
| 1-DH5 | 2480            | 0.947                  | Pass    |
| 2-DH5 | 2402            | 1.307                  | Pass    |
| 2-DH5 | 2441            | 1.313                  | Pass    |
| 2-DH5 | 2480            | 1.275                  | Pass    |
| 3-DH5 | 2402            | 1.303                  | Pass    |
| 3-DH5 | 2441            | 1.298                  | Pass    |
| 3-DH5 | 2480            | 1.293                  | Pass    |

## Test Graphs

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



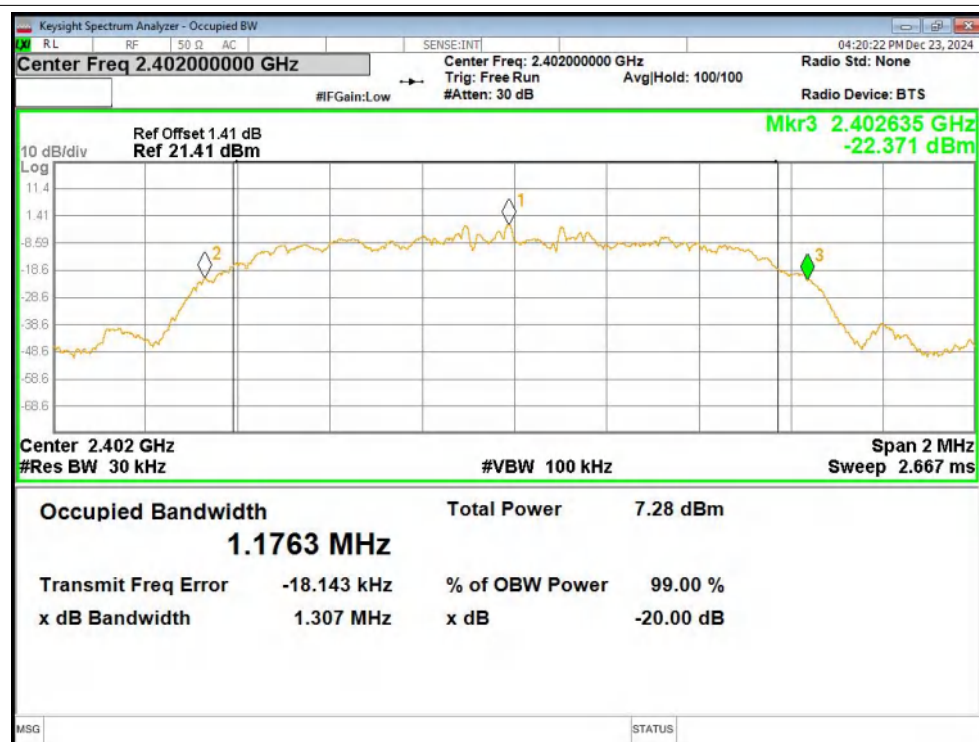
### -20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



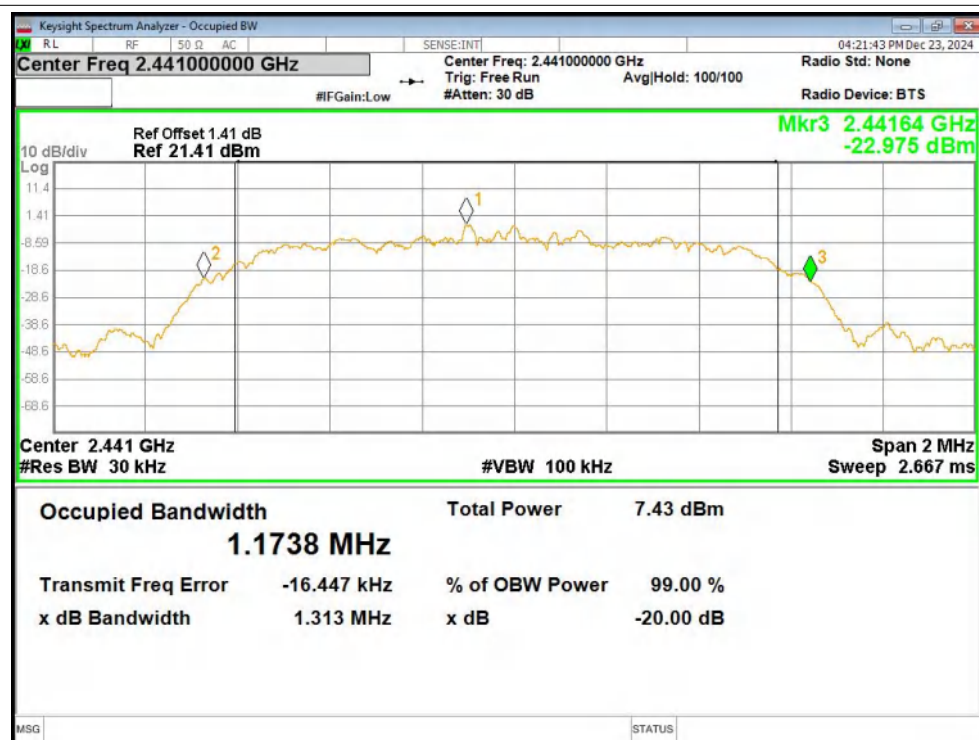
# -20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



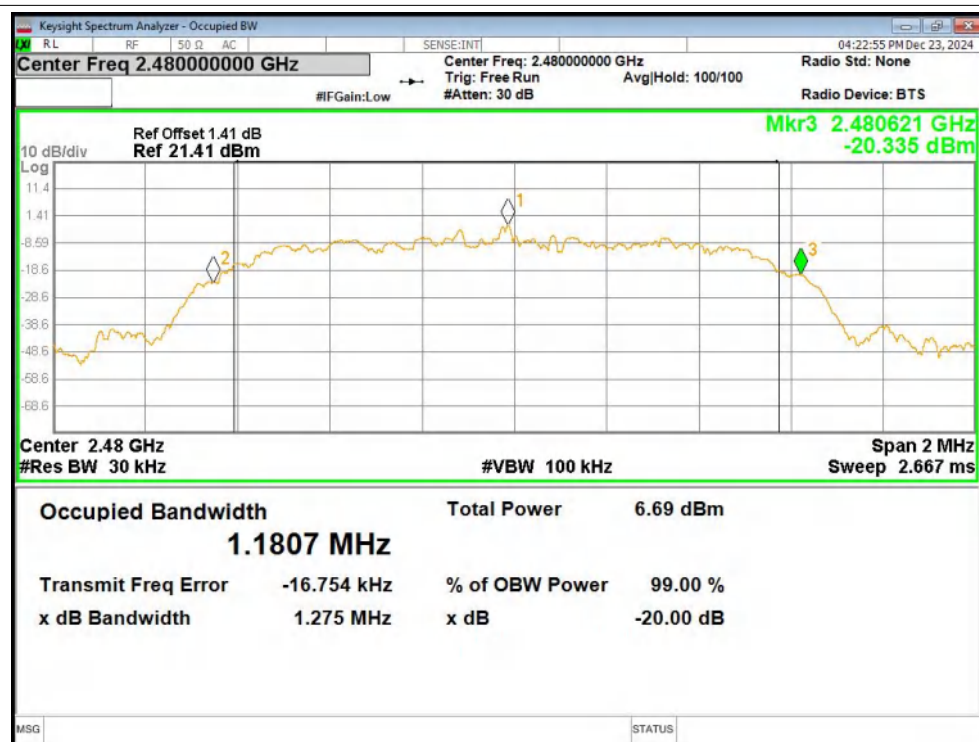
# -20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



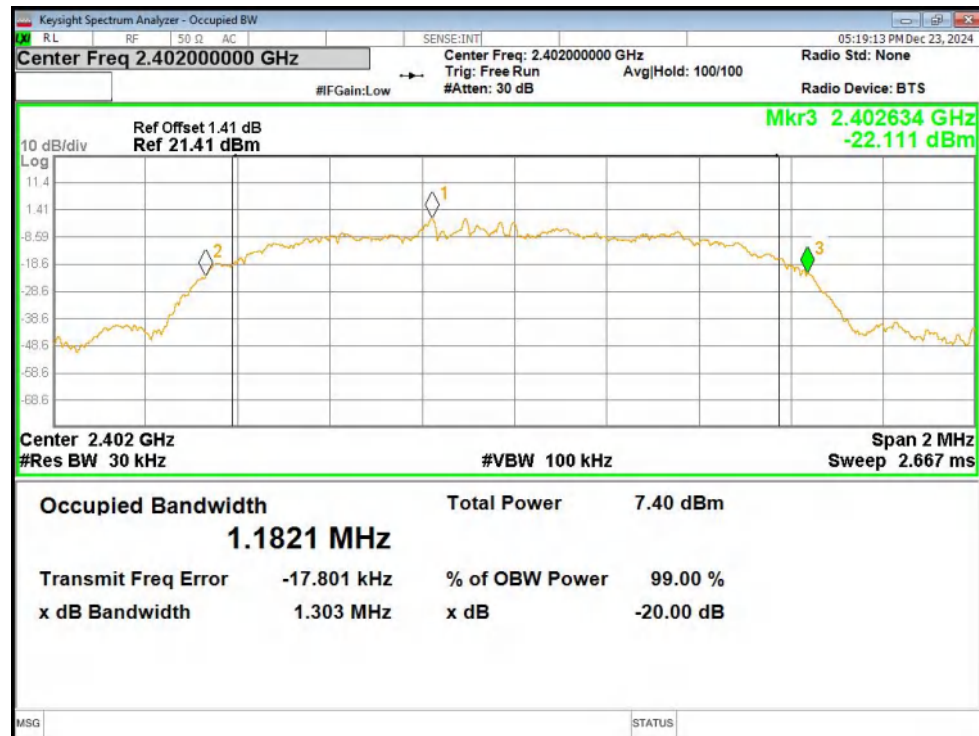
# -20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



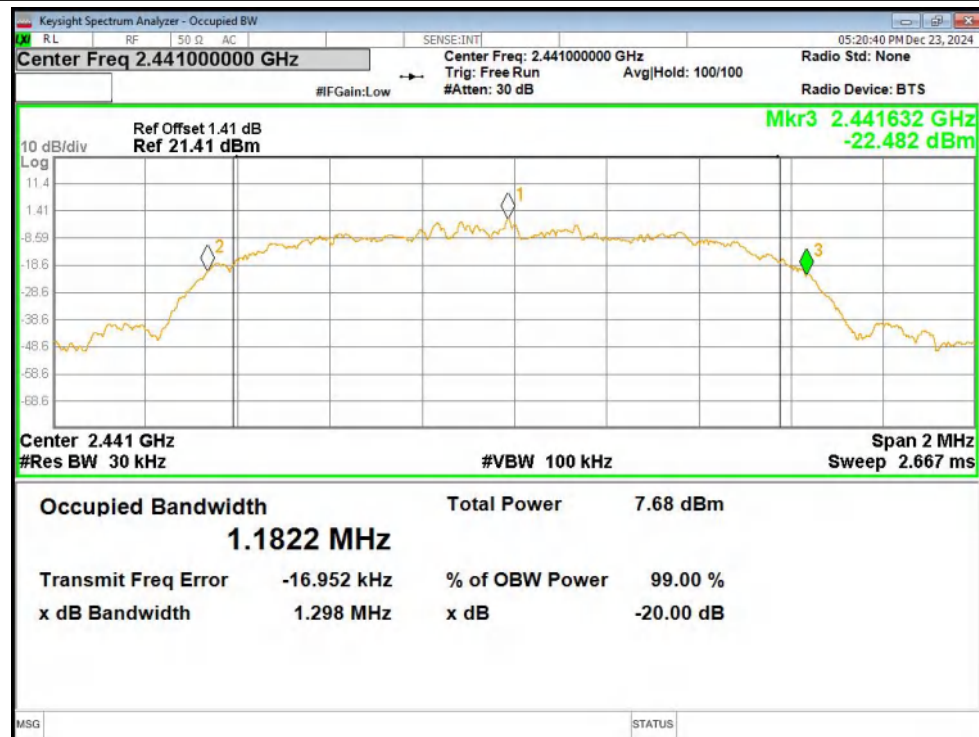
# -20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



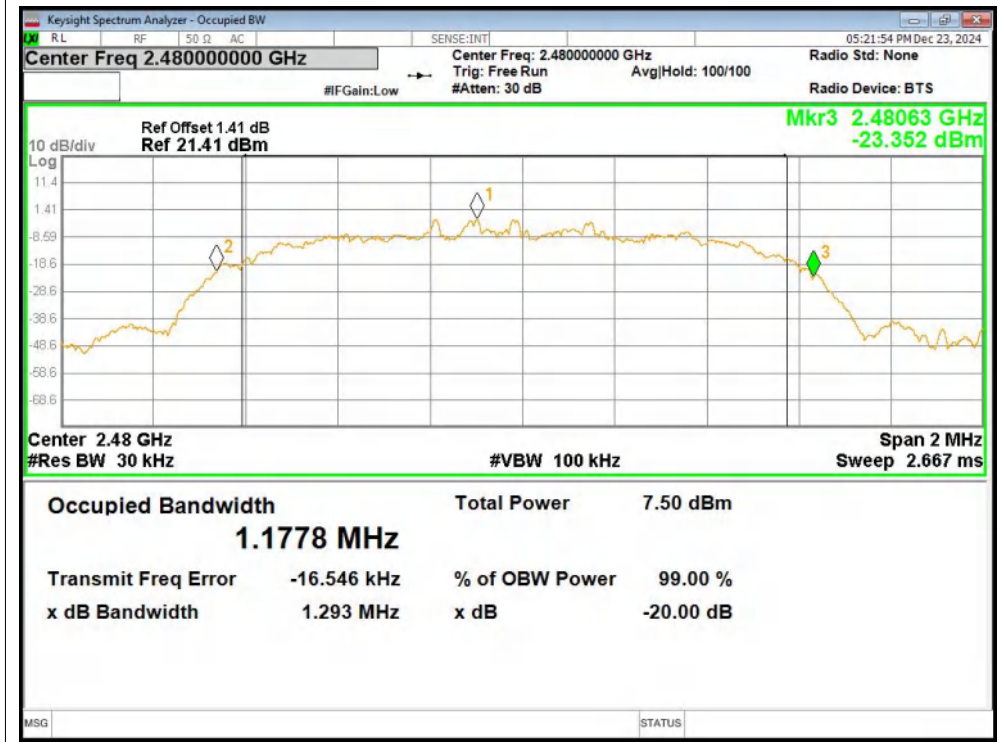
-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1



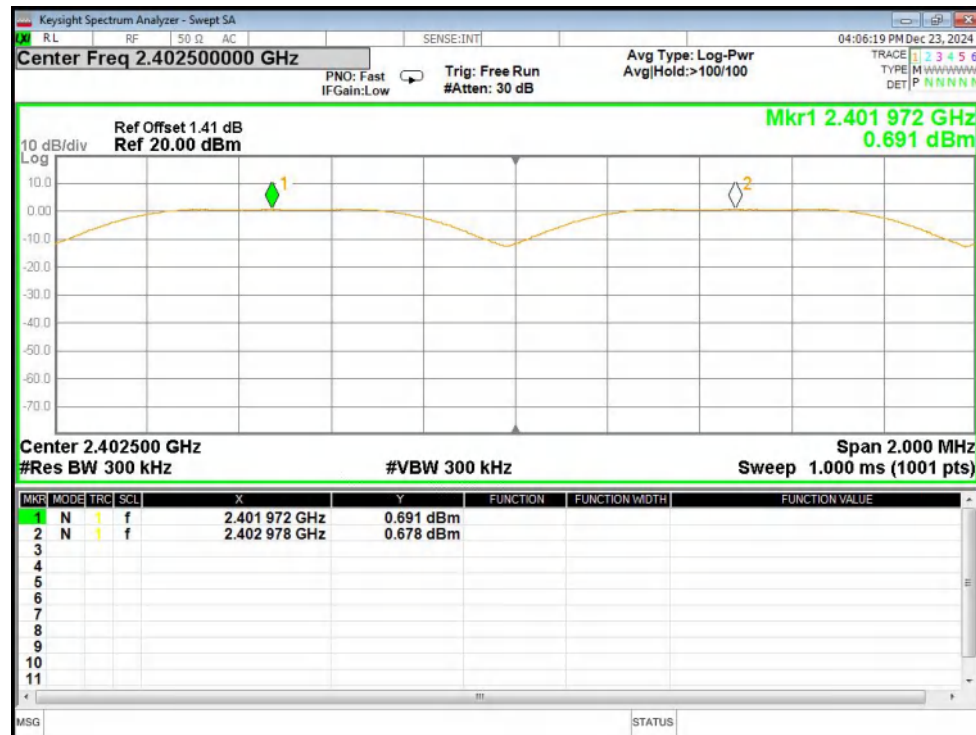
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#### 4.Carrier Frequencies Separation

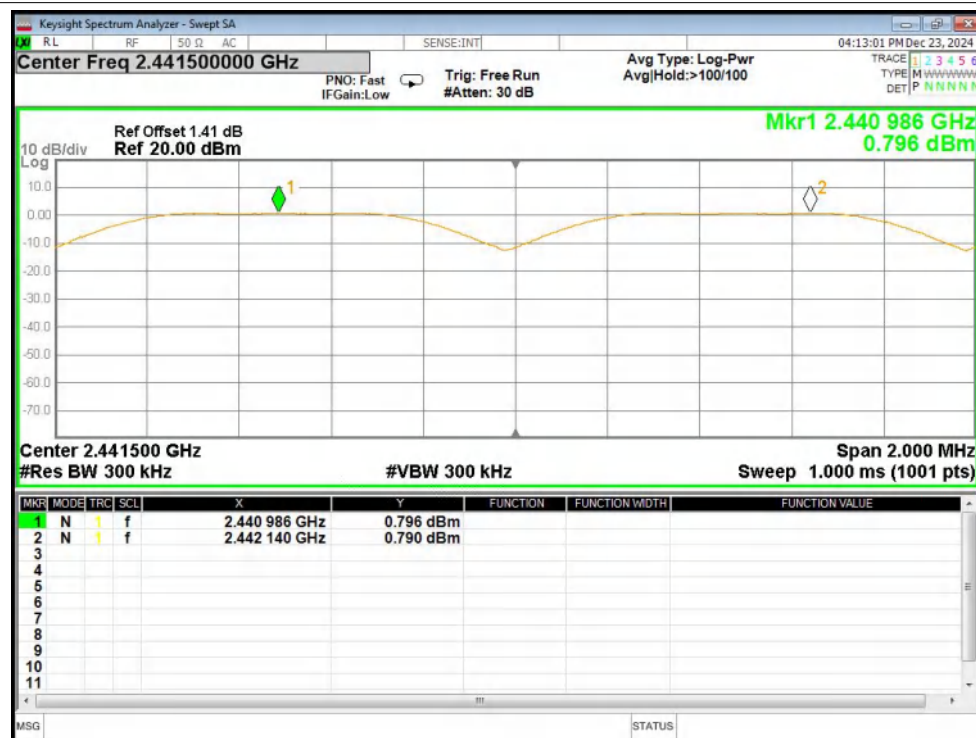
| Mode  | Hopping Freq1<br>(MHz) | Hopping Freq2<br>(MHz) | HFS<br>(MHz) | Limit<br>(MHz) | Verdict |
|-------|------------------------|------------------------|--------------|----------------|---------|
| 1-DH5 | 2401.972               | 2402.978               | 1.006        | 0.936          | Pass    |
| 1-DH5 | 2440.986               | 2442.14                | 1.154        | 0.952          | Pass    |
| 1-DH5 | 2478.98                | 2479.98                | 1.000        | 0.947          | Pass    |
| 2-DH5 | 2402.116               | 2403.148               | 1.032        | 0.871          | Pass    |
| 2-DH5 | 2441.108               | 2442.132               | 1.024        | 0.875          | Pass    |
| 2-DH5 | 2479.138               | 2480.146               | 1.008        | 0.85           | Pass    |
| 3-DH5 | 2402.138               | 2403.144               | 1.006        | 0.869          | Pass    |
| 3-DH5 | 2440.83                | 2442.128               | 1.298        | 0.865          | Pass    |
| 3-DH5 | 2479.132               | 2480.002               | 0.870        | 0.862          | Pass    |

## Test Graphs

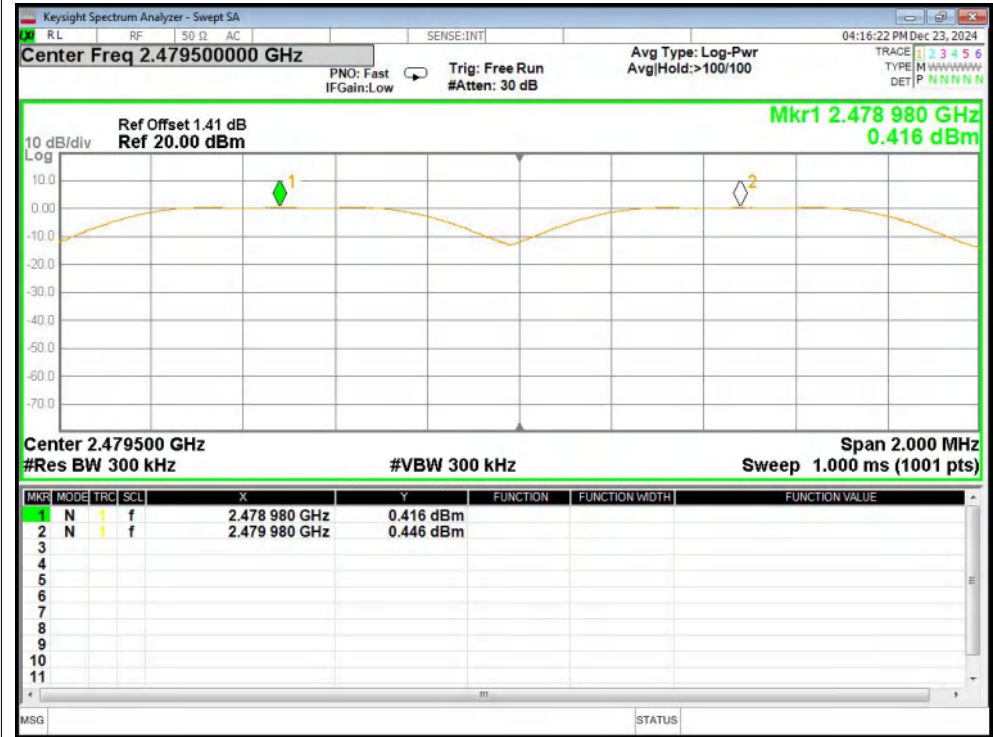
### CFS NVNT 1-DH5 2402MHz Ant1



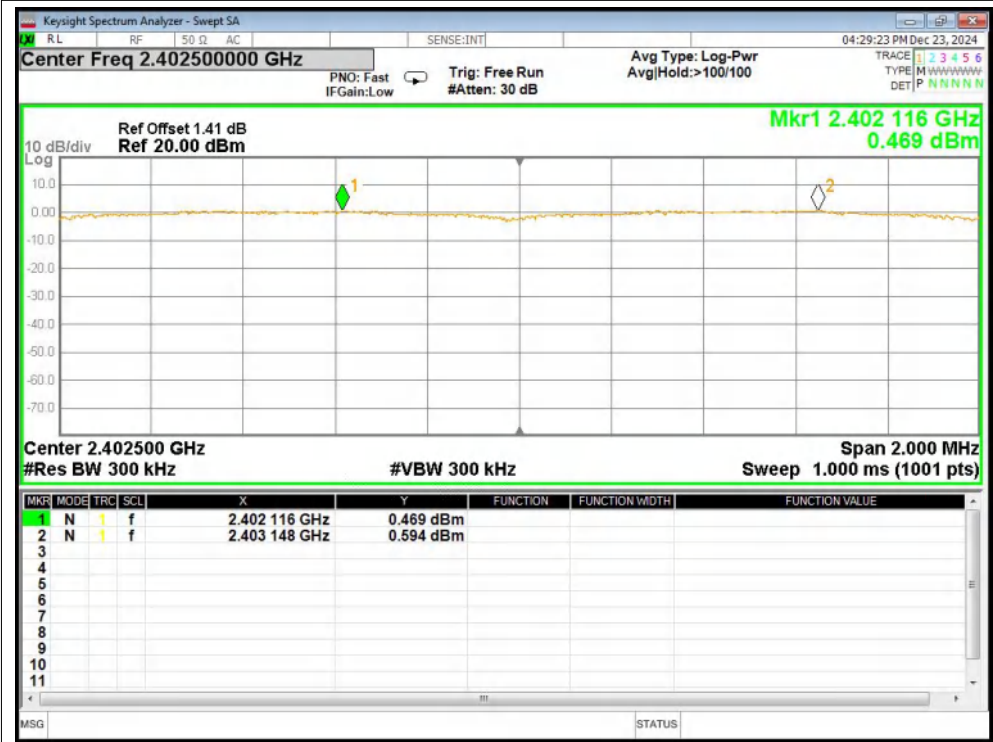
### CFS NVNT 1-DH5 2441MHz Ant1



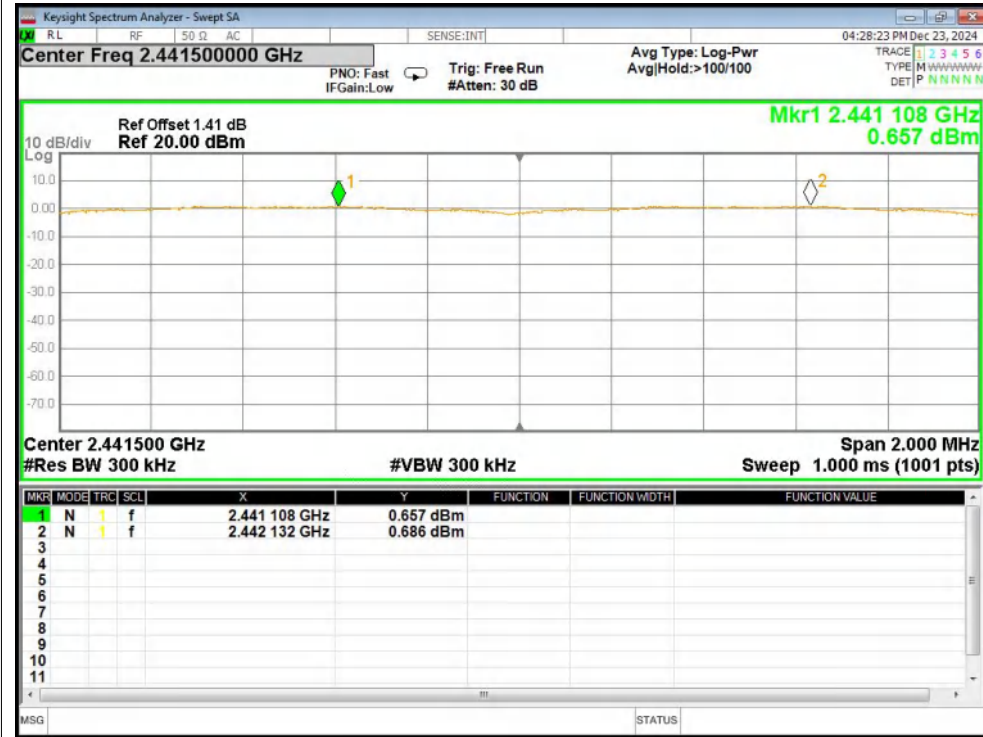
CFS NVNT 1-DH5 2480MHz Ant1



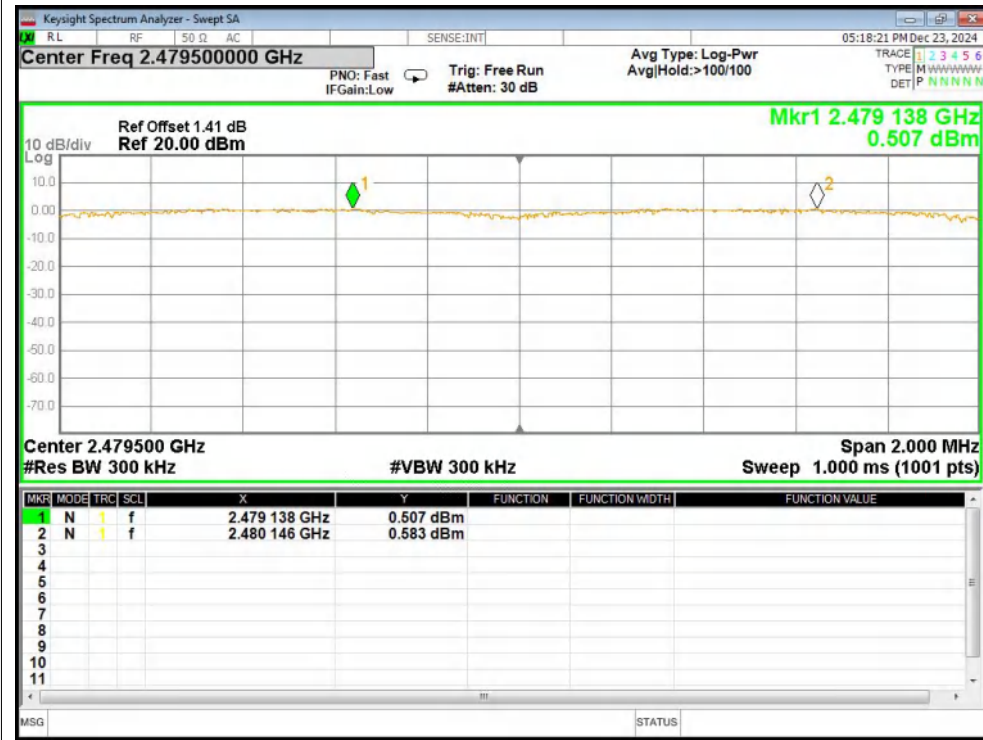
CFS NVNT 2-DH5 2402MHz Ant1



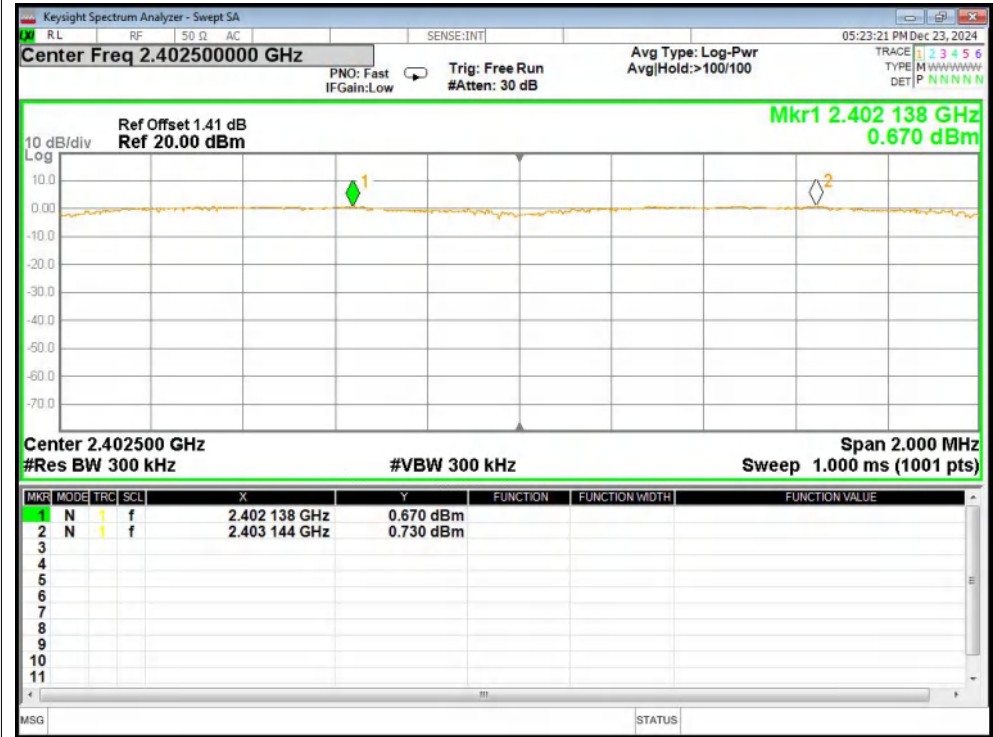
CFS NVNT 2-DH5 2441MHz Ant1



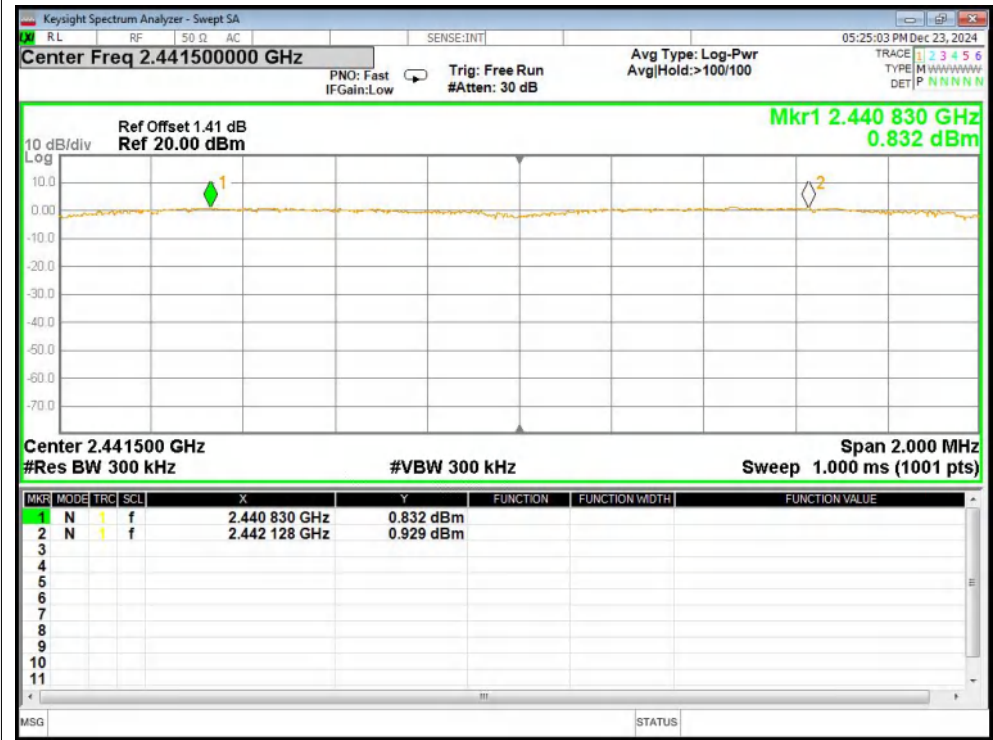
CFS NVNT 2-DH5 2480MHz Ant1



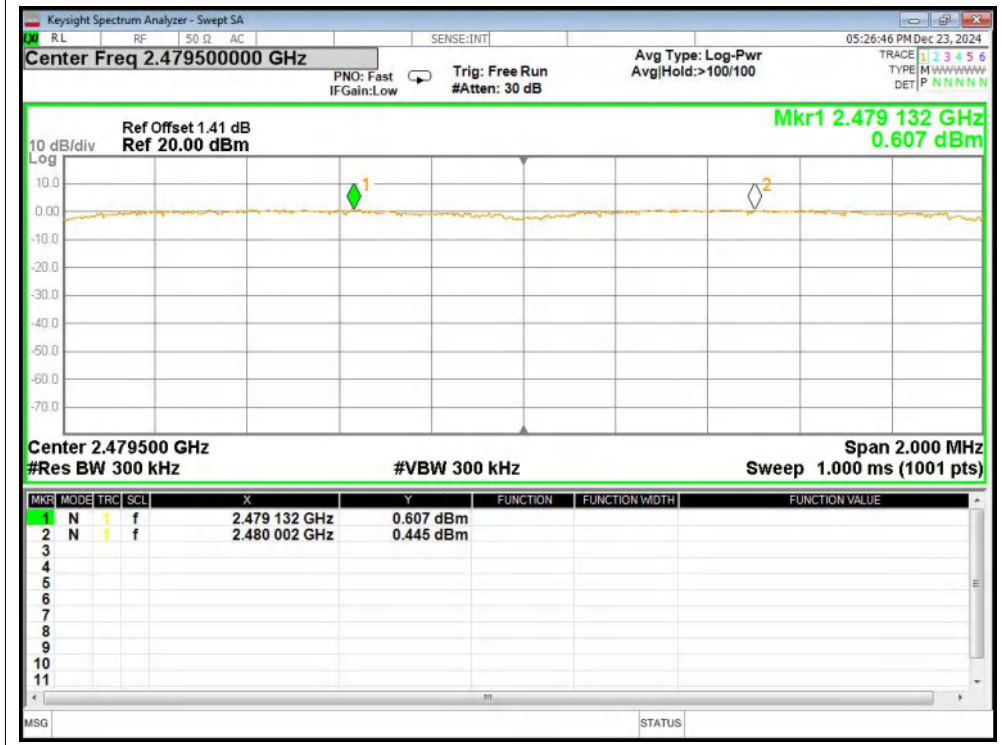
CFS NVNT 3-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2441MHz Ant1



CFS NVNT 3-DH5 2480MHz Ant1



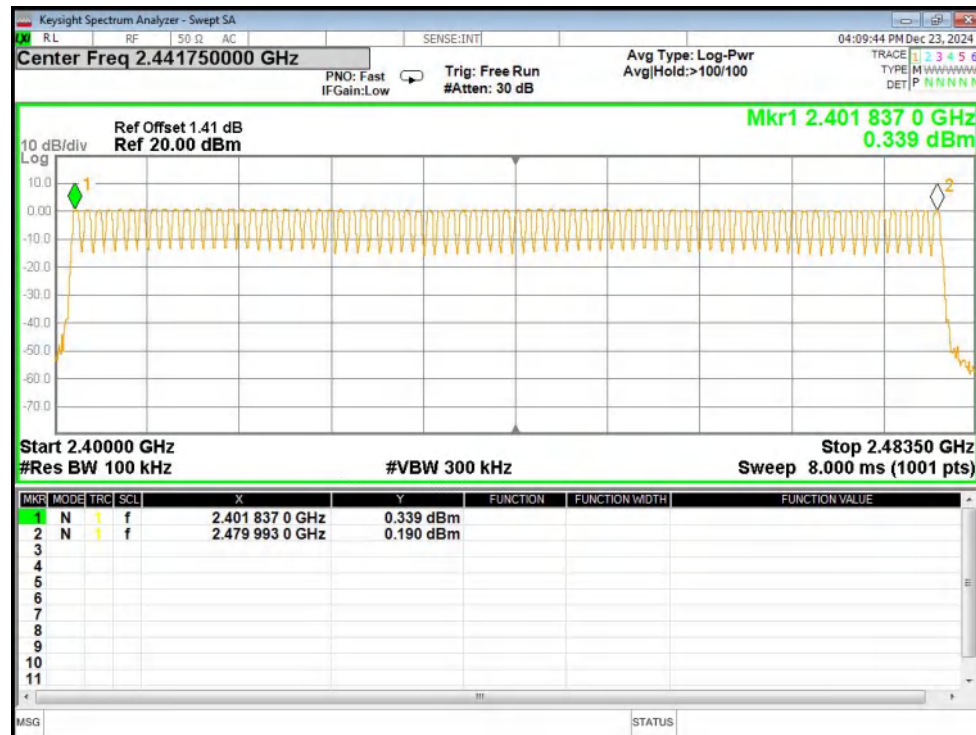
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**5.Number of Hopping Channel**

| 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



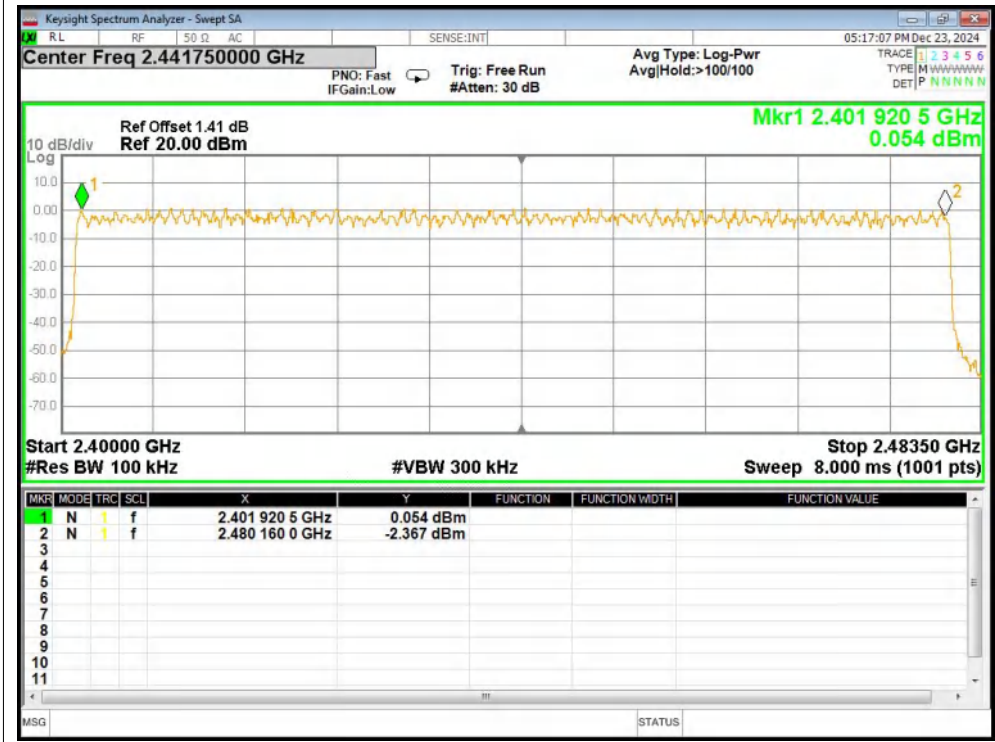
Hopping No. NVNT 2-DH5 2402MHz Ant1



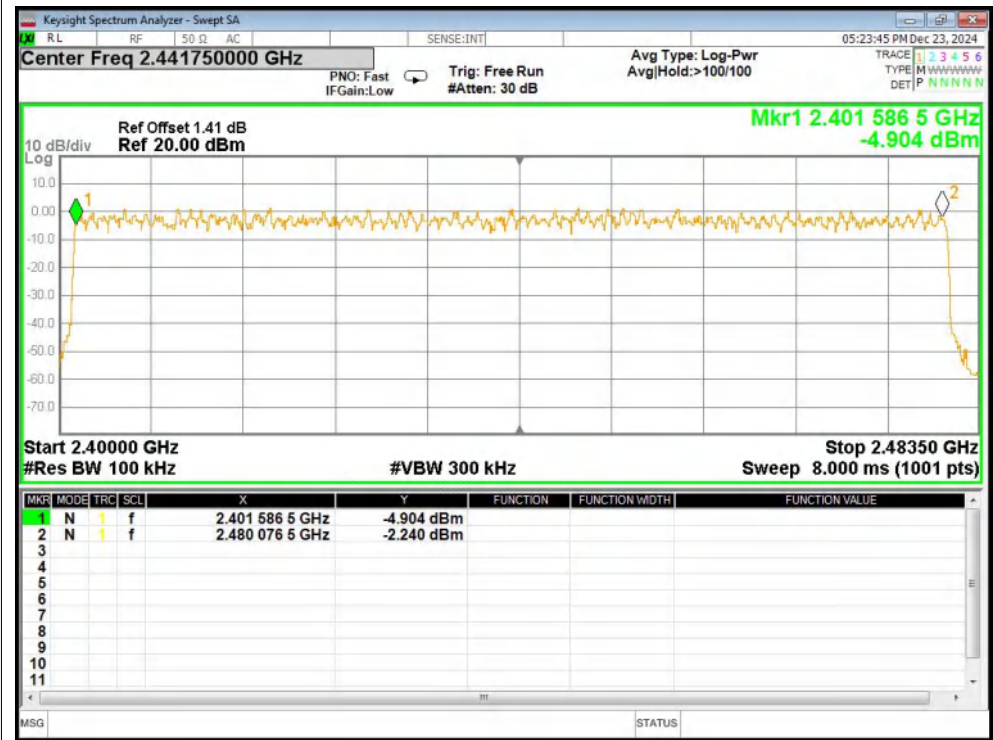
Hopping No. NVNT 2-DH5 2441MHz Ant1



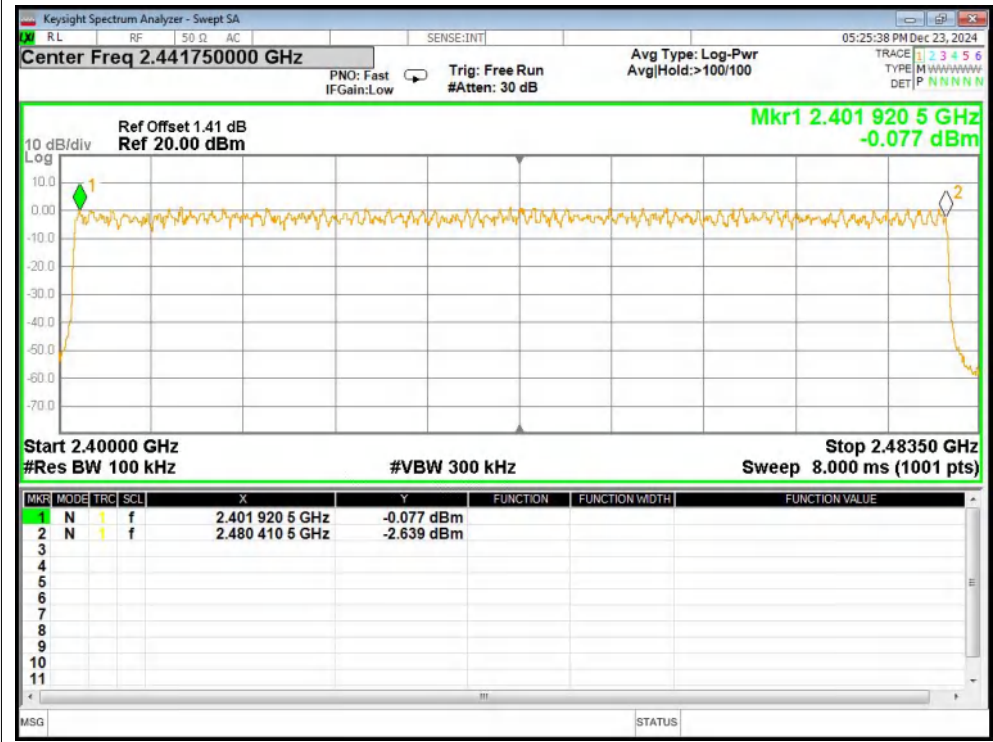
Hopping No. NVNT 2-DH5 2480MHz Ant1



Hopping No. NVNT 3-DH5 2402MHz Ant1



Hopping No. NVNT 3-DH5 2441MHz Ant1



Hopping No. NVNT 3-DH5 2480MHz Ant1



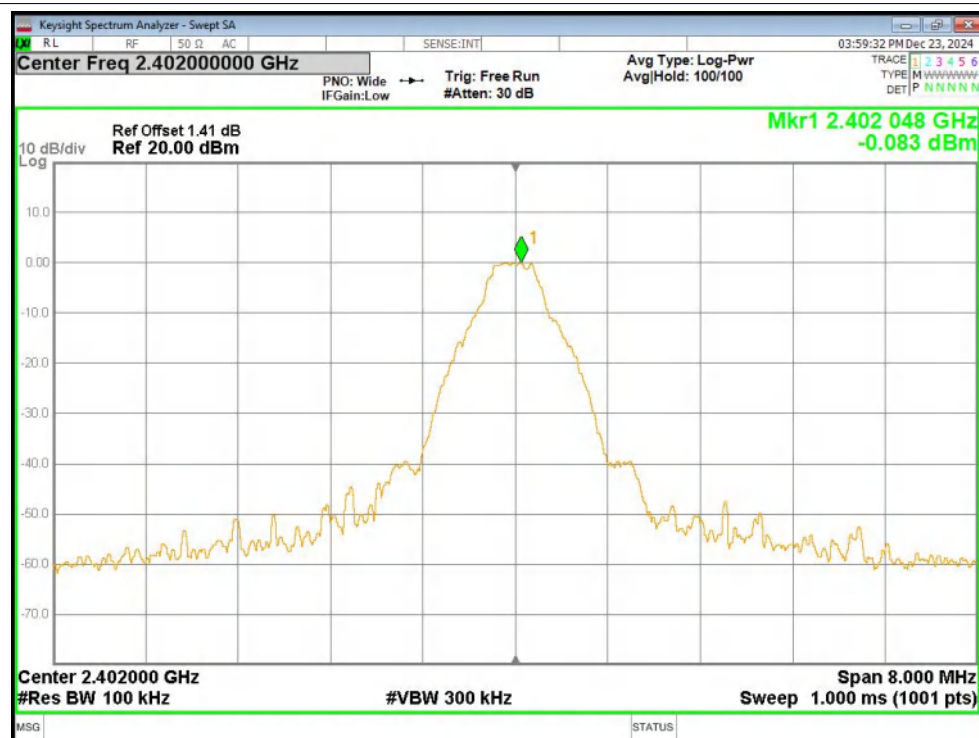
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**6.Band Edge**

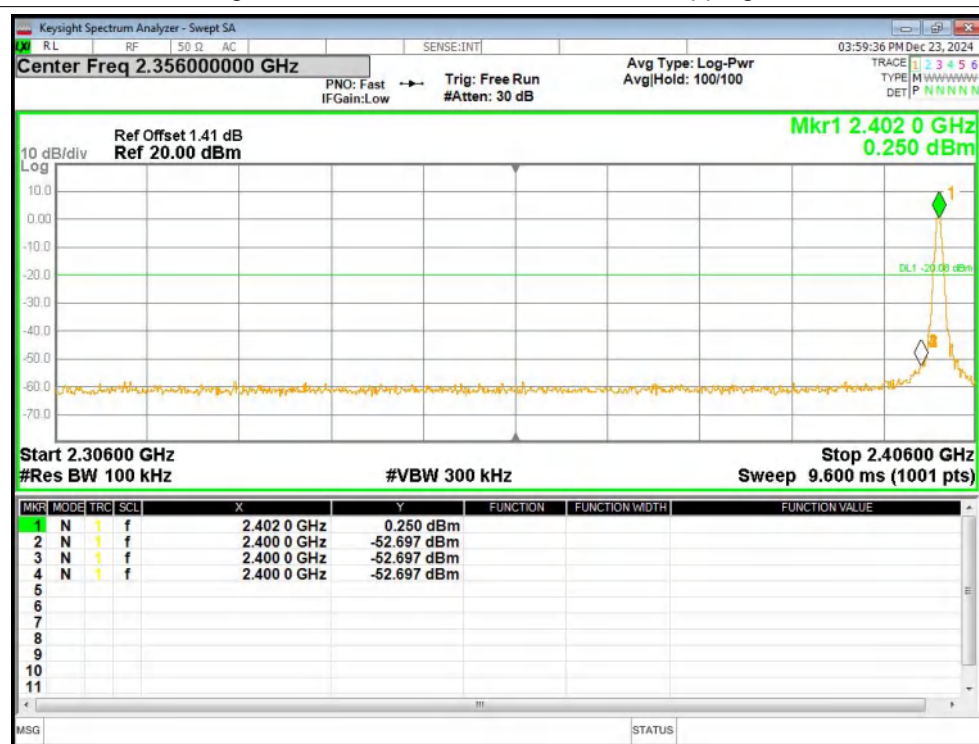
| Mode  | Frequency (MHz) | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-------|-----------------|--------------|-----------------|-------------|---------|
| 1-DH5 | 2402            | No-Hopping   | -52.61          | -20         | Pass    |
| 1-DH5 | 2480            | No-Hopping   | -57.02          | -20         | Pass    |
| 2-DH5 | 2402            | No-Hopping   | -49.64          | -20         | Pass    |
| 2-DH5 | 2480            | No-Hopping   | -55.97          | -20         | Pass    |
| 3-DH5 | 2402            | No-Hopping   | -52.01          | -20         | Pass    |
| 3-DH5 | 2480            | No-Hopping   | -57.09          | -20         | Pass    |

## Test Graphs

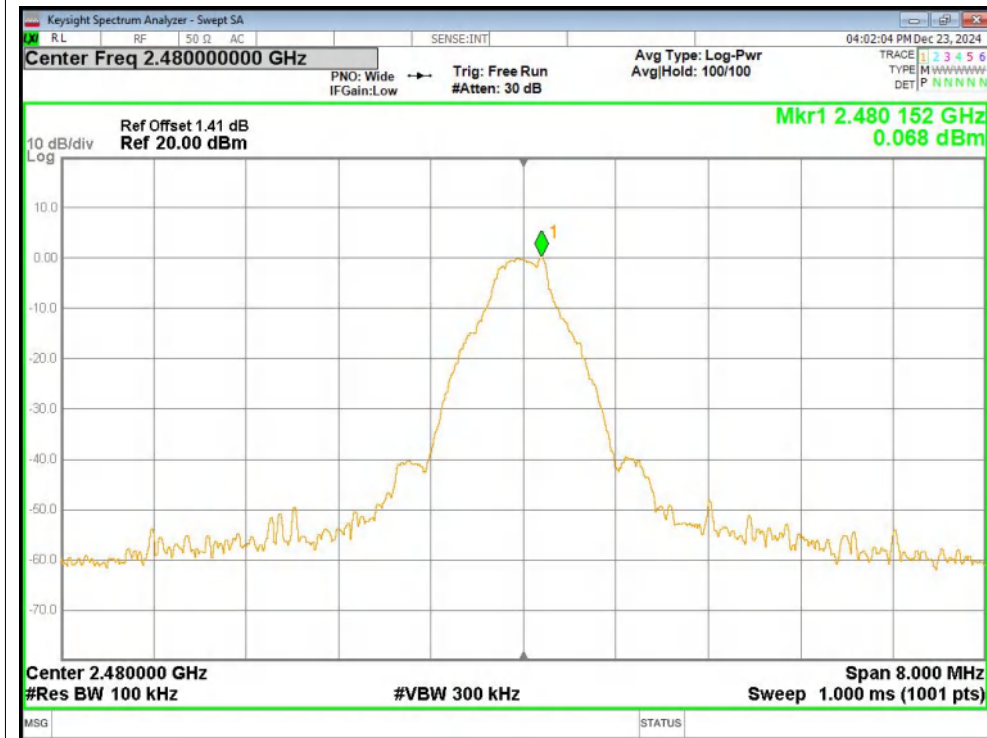
### Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



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



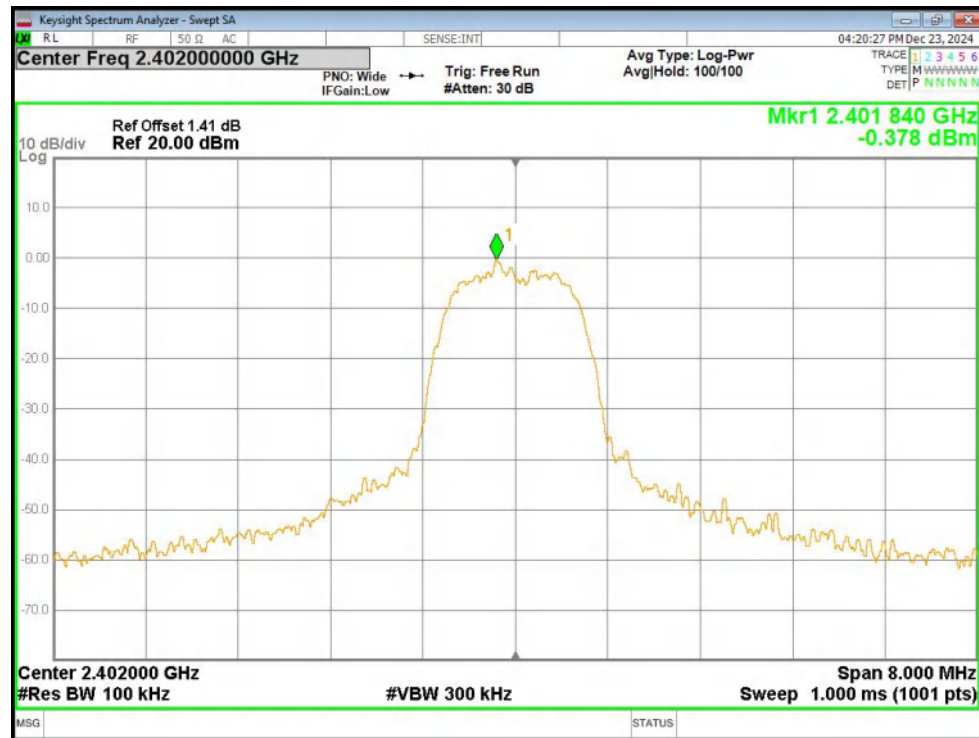
# Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



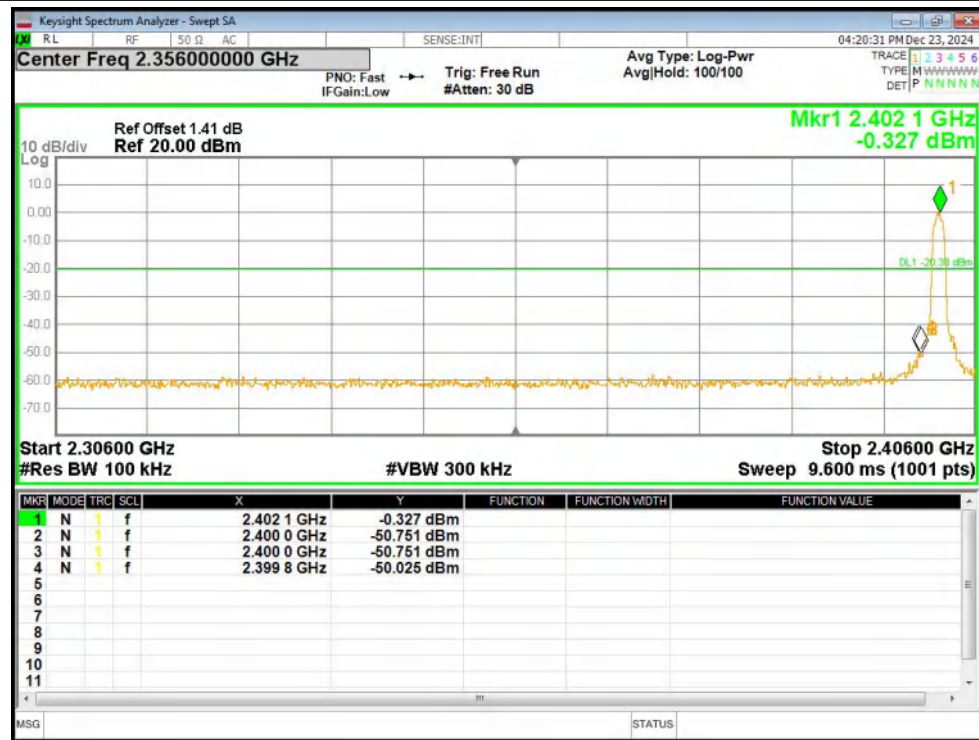
# Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



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



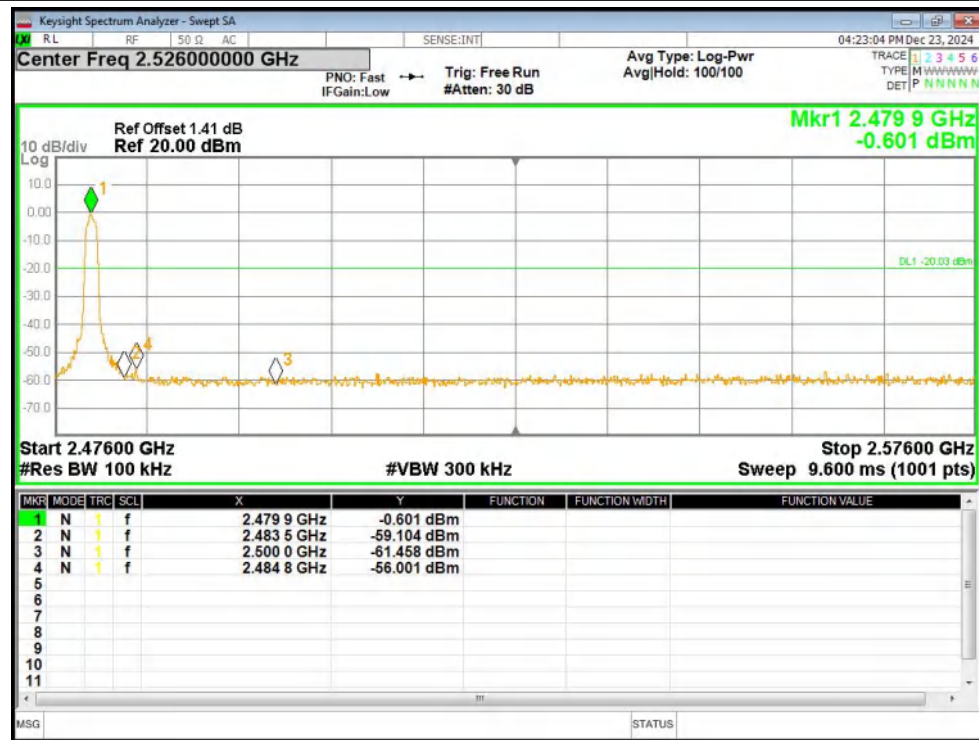
# Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



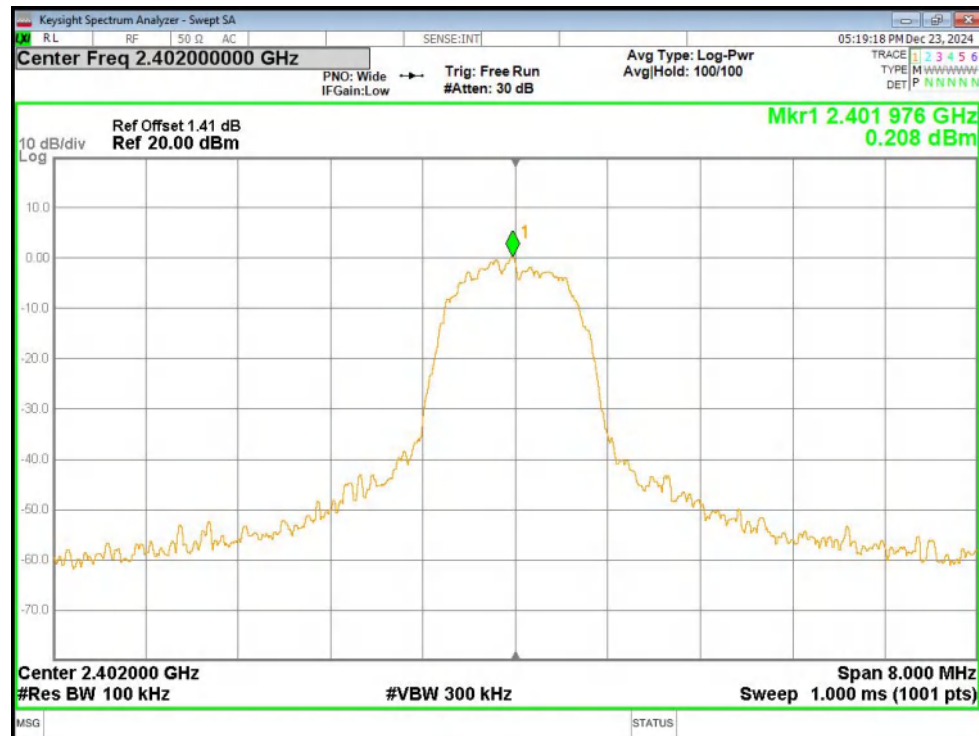
### Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



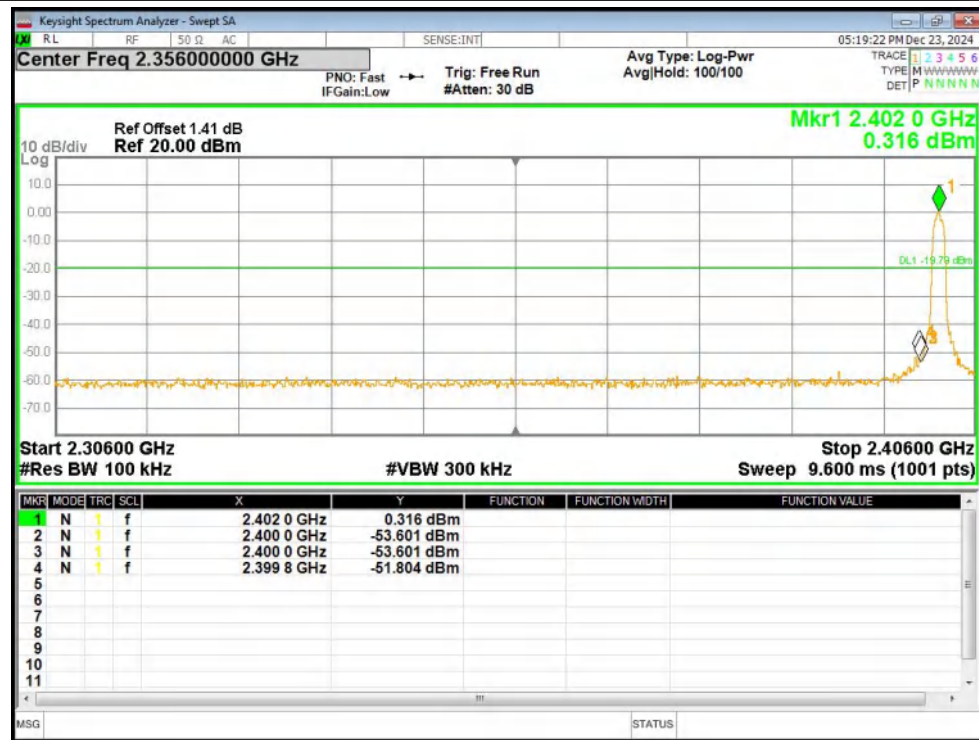
### Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



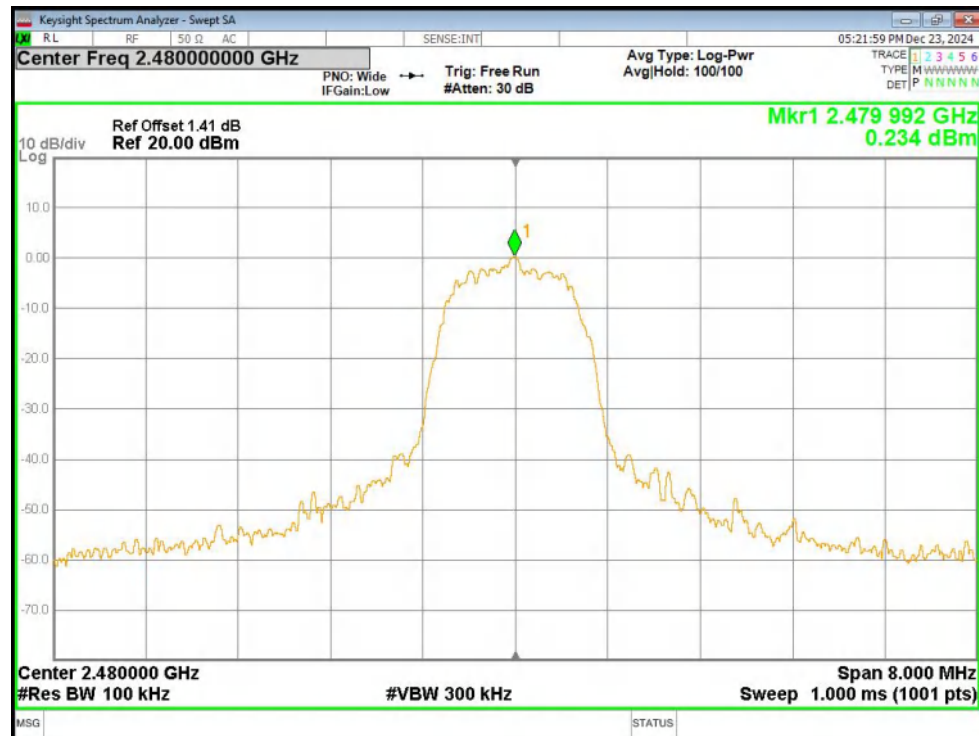
### Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



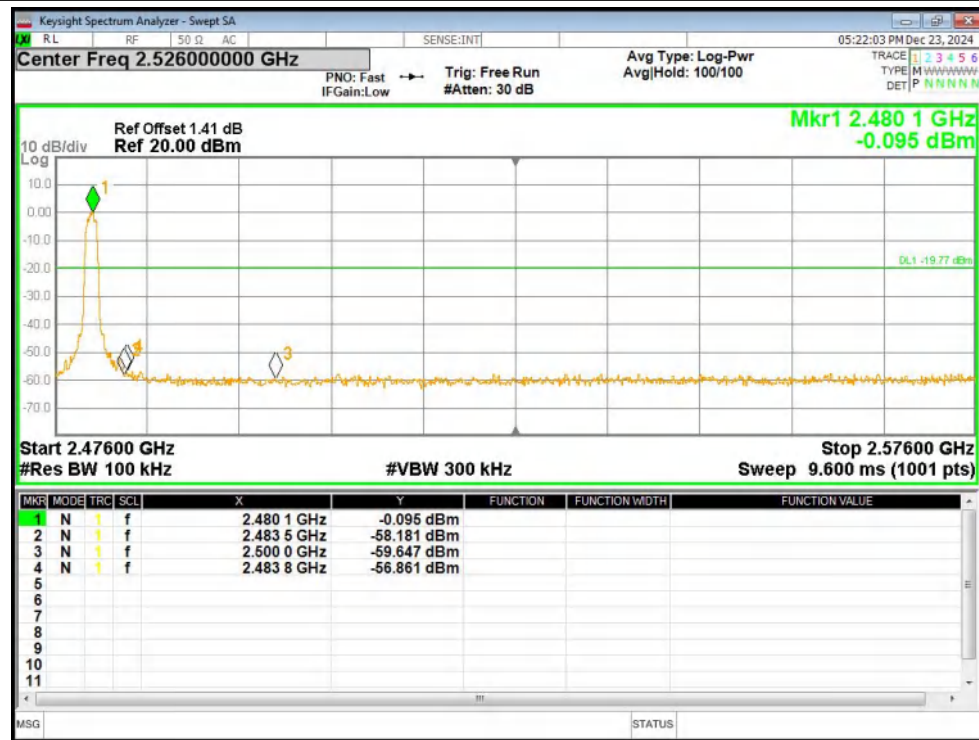
### Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



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



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



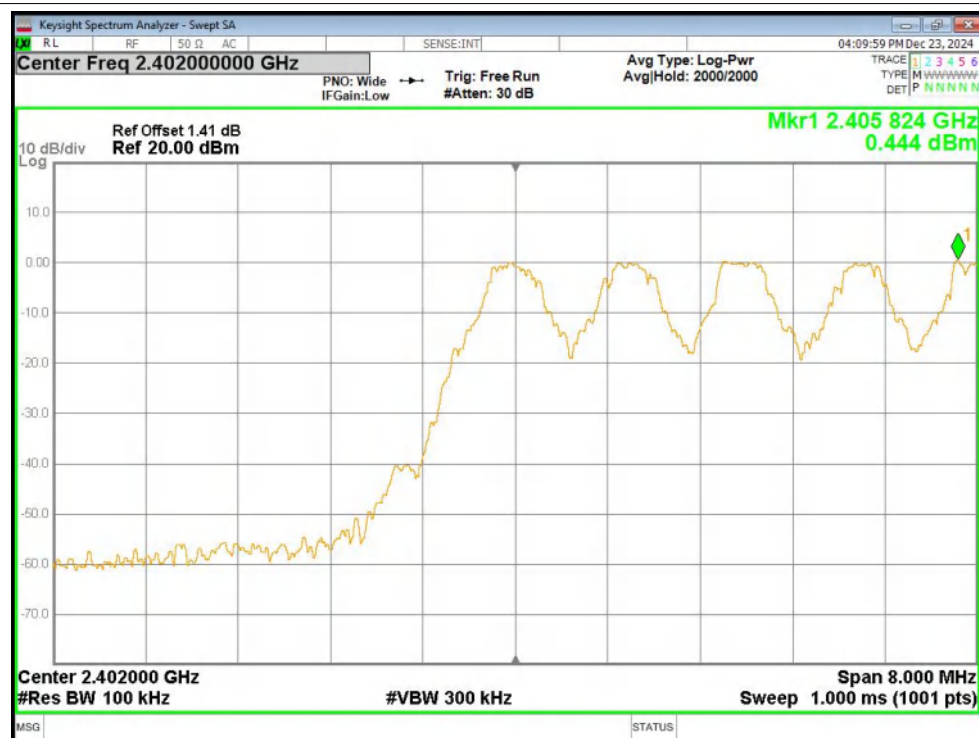
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#### 7.Band Edge(Hopping)

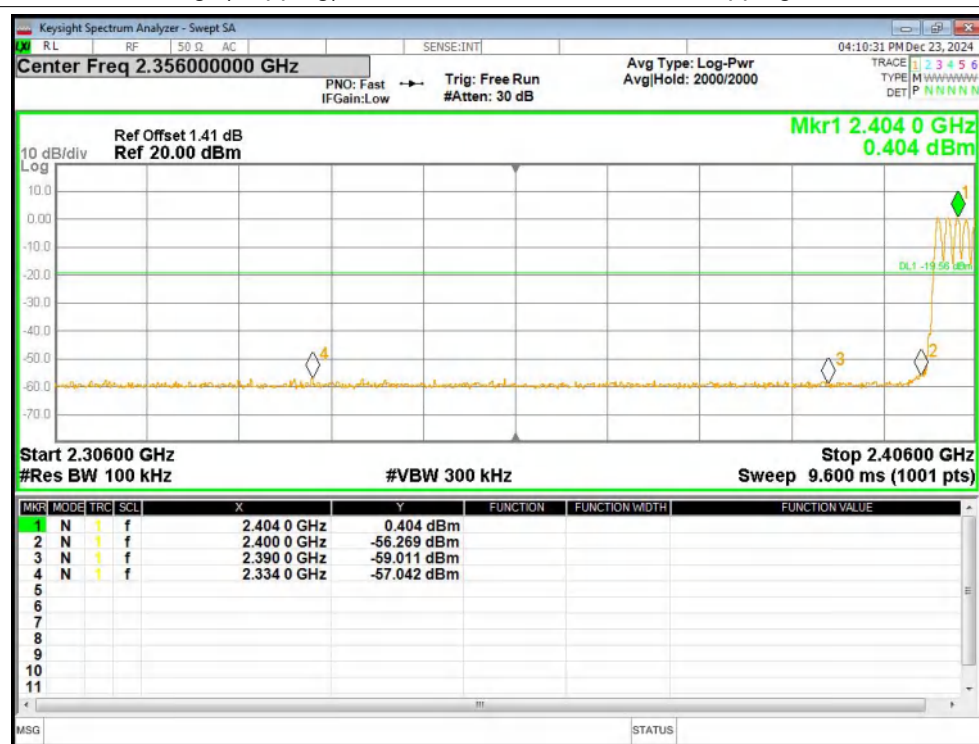
| Mode  | Frequency (MHz) | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-------|-----------------|--------------|-----------------|-------------|---------|
| 1-DH5 | 2402            | Hopping      | -57.48          | -20         | Pass    |
| 1-DH5 | 2480            | Hopping      | -56.86          | -20         | Pass    |
| 2-DH5 | 2402            | Hopping      | -57.46          | -20         | Pass    |
| 2-DH5 | 2480            | Hopping      | -57.2           | -20         | Pass    |
| 3-DH5 | 2402            | Hopping      | -56.28          | -20         | Pass    |
| 3-DH5 | 2480            | Hopping      | -56.4           | -20         | Pass    |

## Test Graphs

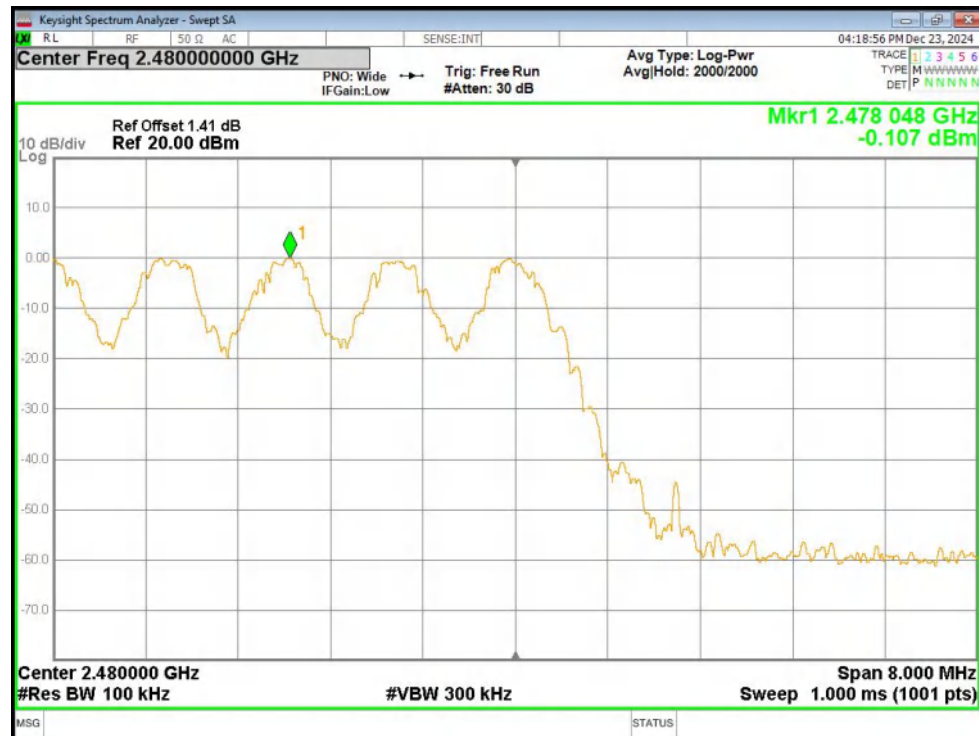
### Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



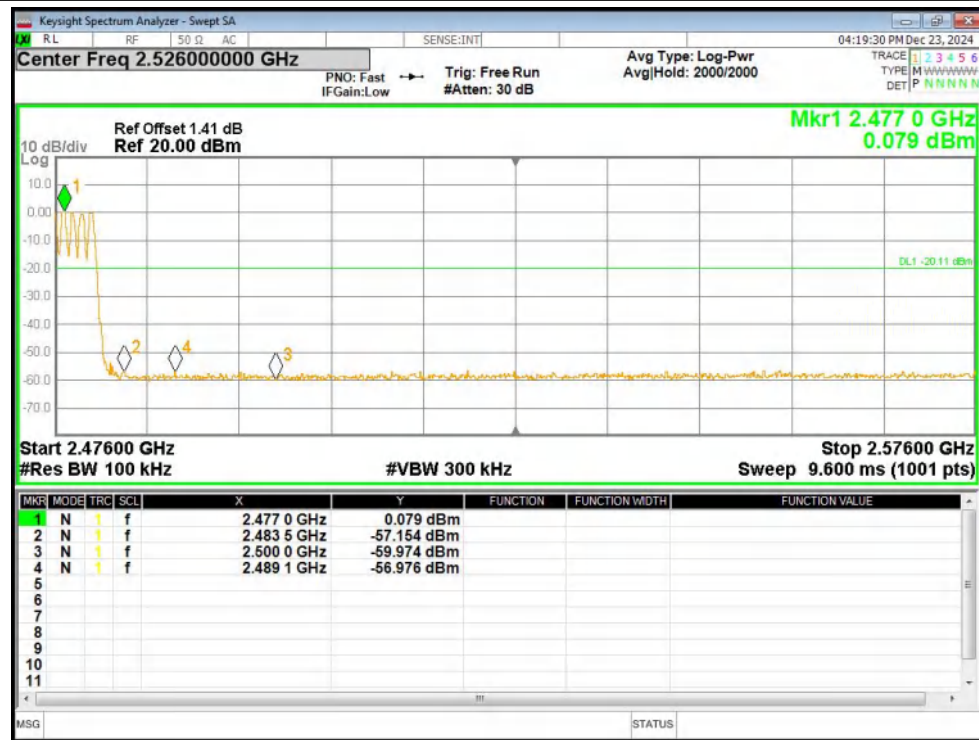
### Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



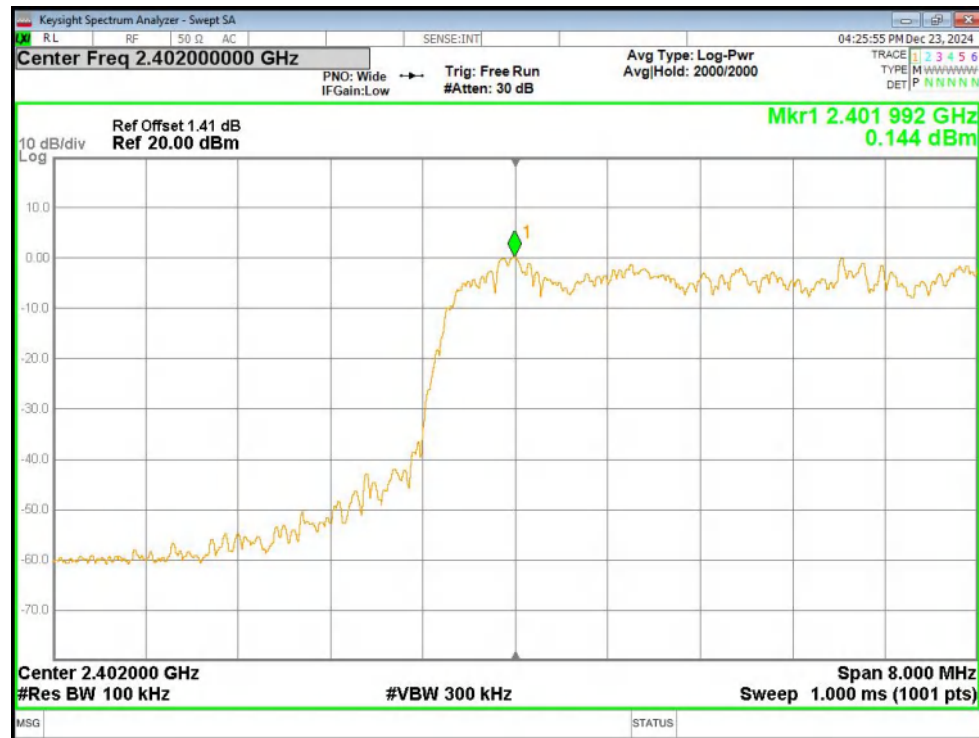
# Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



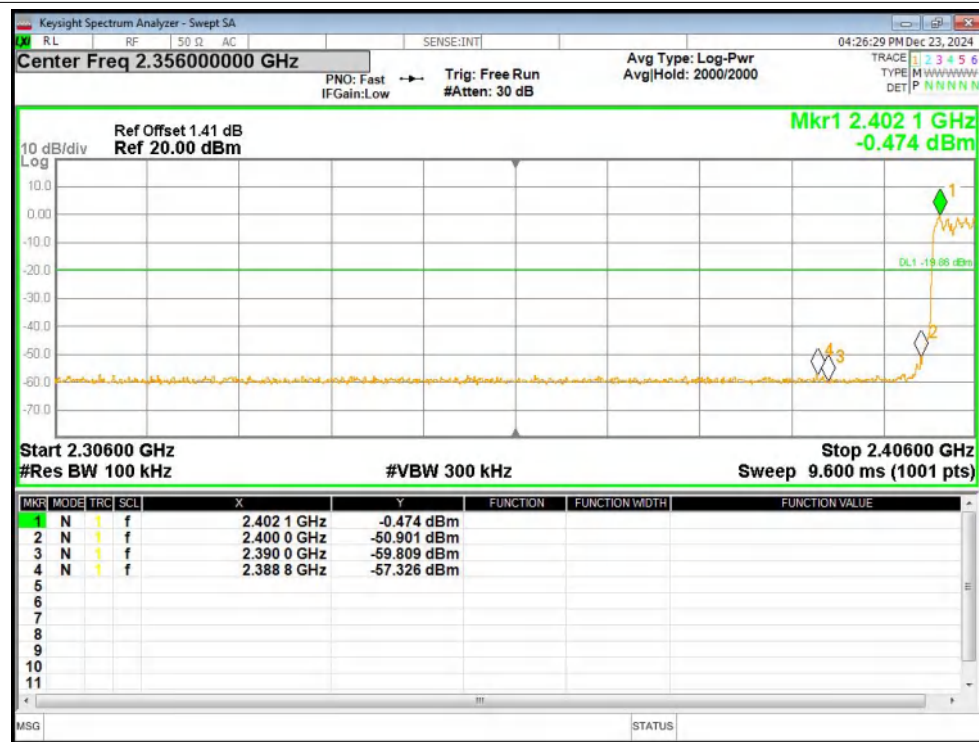
# Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



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



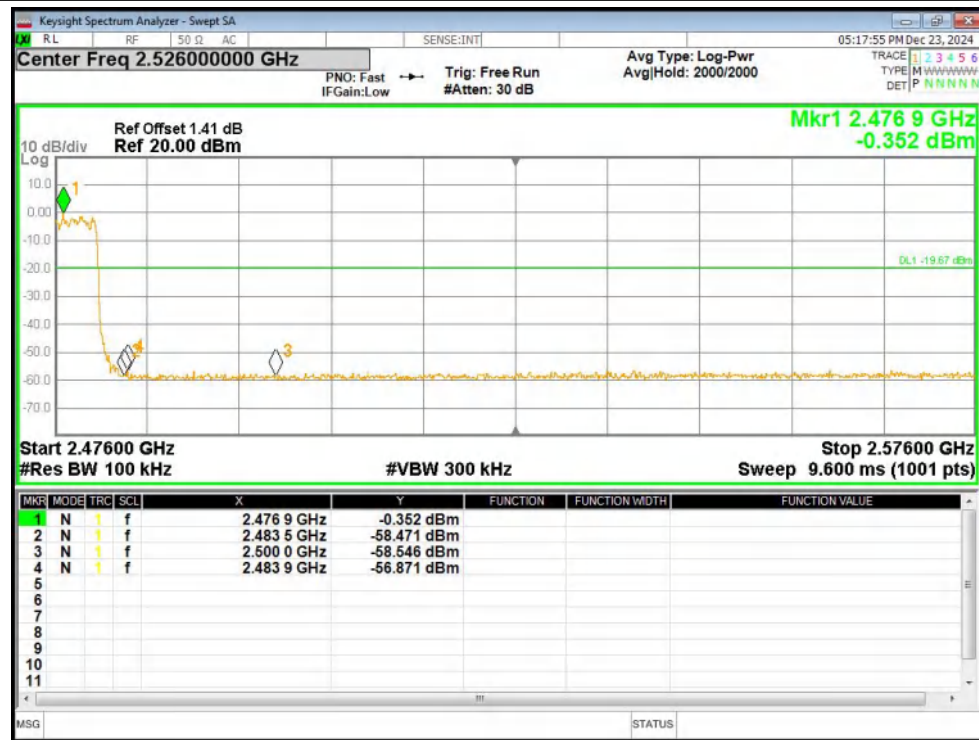
# Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



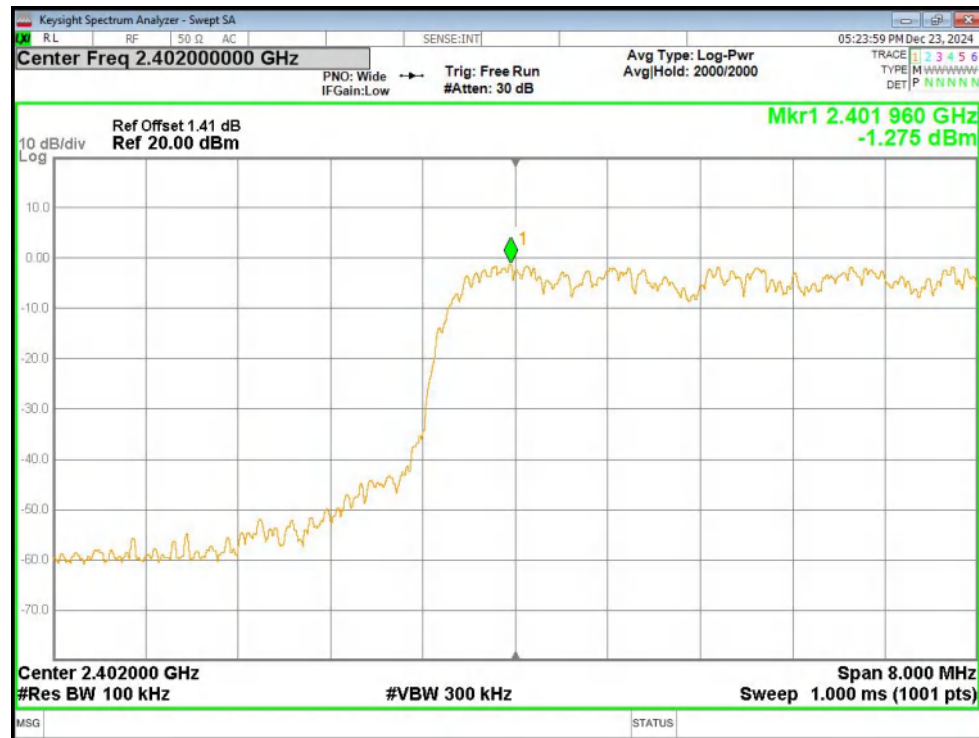
# Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



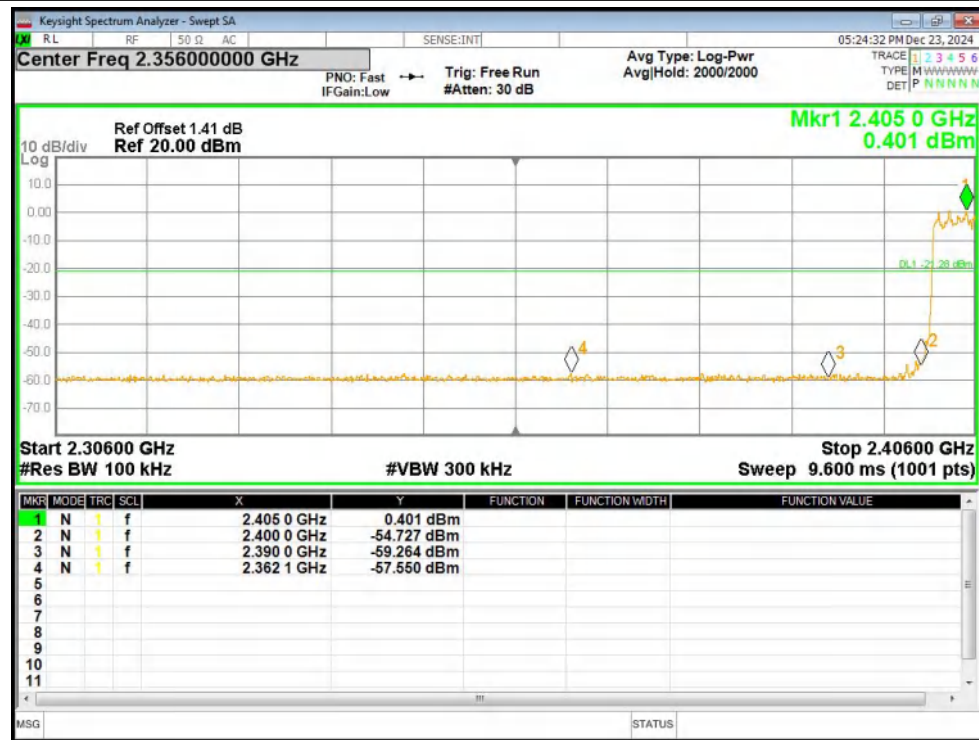
# Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



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



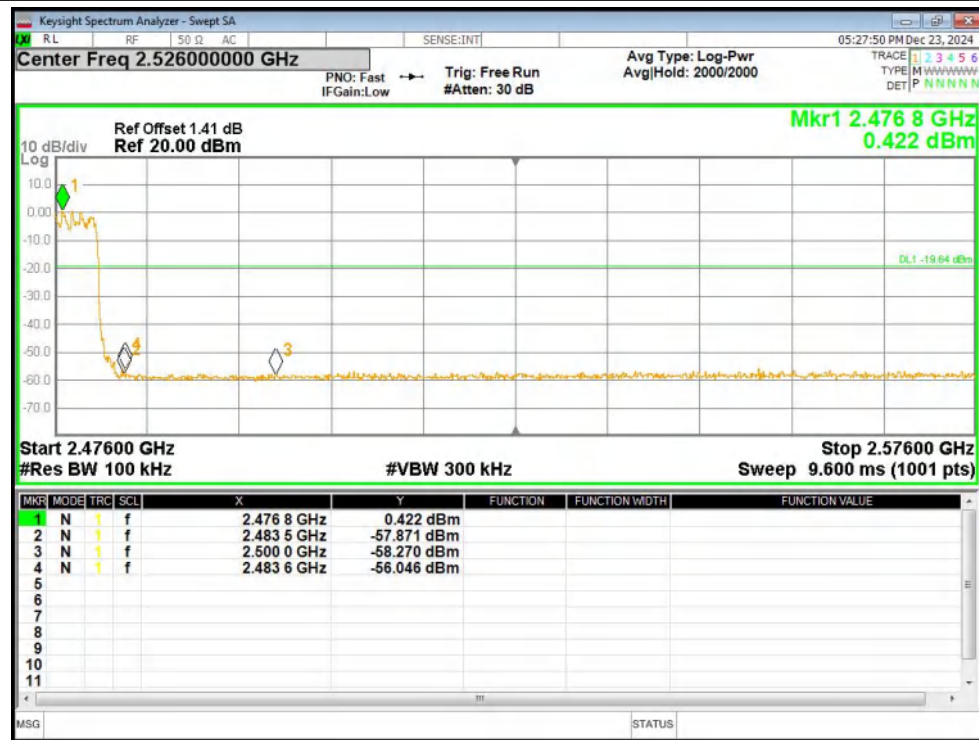
# Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission



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



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



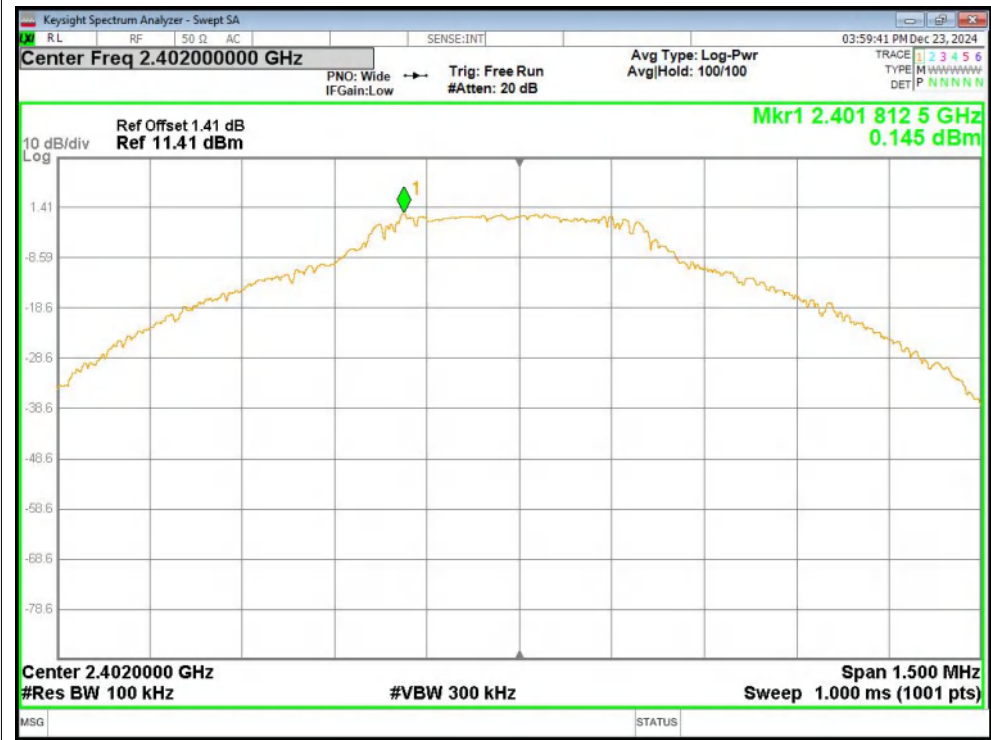
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#### 8. Conducted RF Spurious Emission

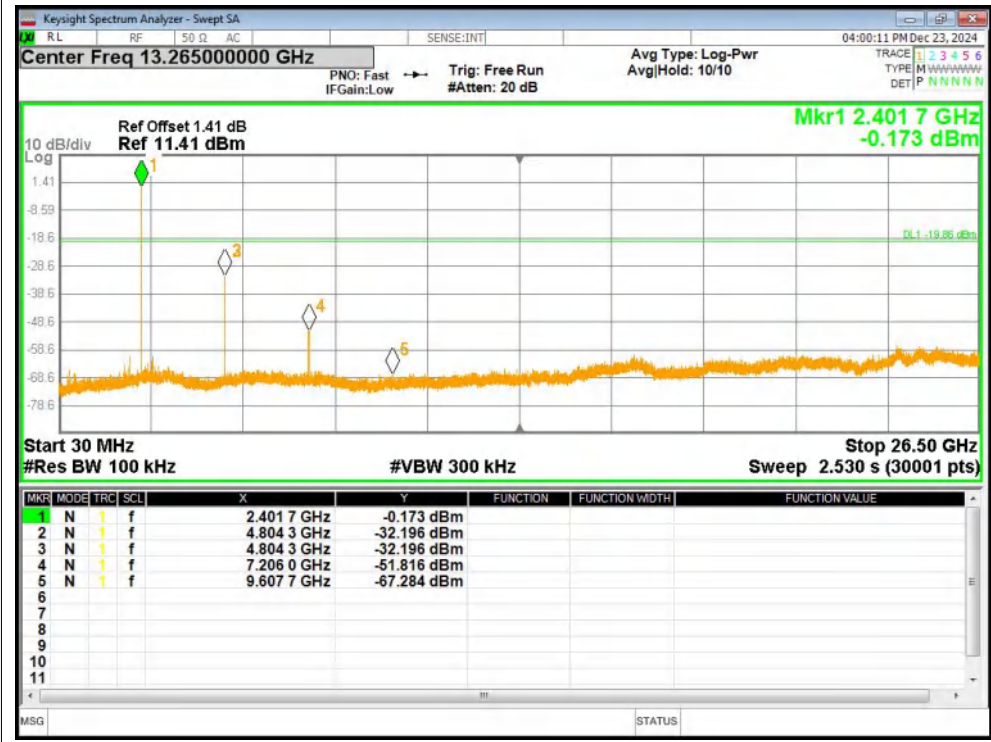
| Mode  | Frequency (MHz) | Max Value (dBc) | Limit (dBc) | Verdict |
|-------|-----------------|-----------------|-------------|---------|
| 1-DH5 | 2402            | -32.34          | -20         | Pass    |
| 1-DH5 | 2441            | -32.79          | -20         | Pass    |
| 1-DH5 | 2480            | -33.66          | -20         | Pass    |
| 2-DH5 | 2402            | -35.41          | -20         | Pass    |
| 2-DH5 | 2441            | -34.28          | -20         | Pass    |
| 2-DH5 | 2480            | -34.99          | -20         | Pass    |
| 3-DH5 | 2402            | -36.09          | -20         | Pass    |
| 3-DH5 | 2441            | -35.78          | -20         | Pass    |
| 3-DH5 | 2480            | -35.95          | -20         | Pass    |

Test Graphs

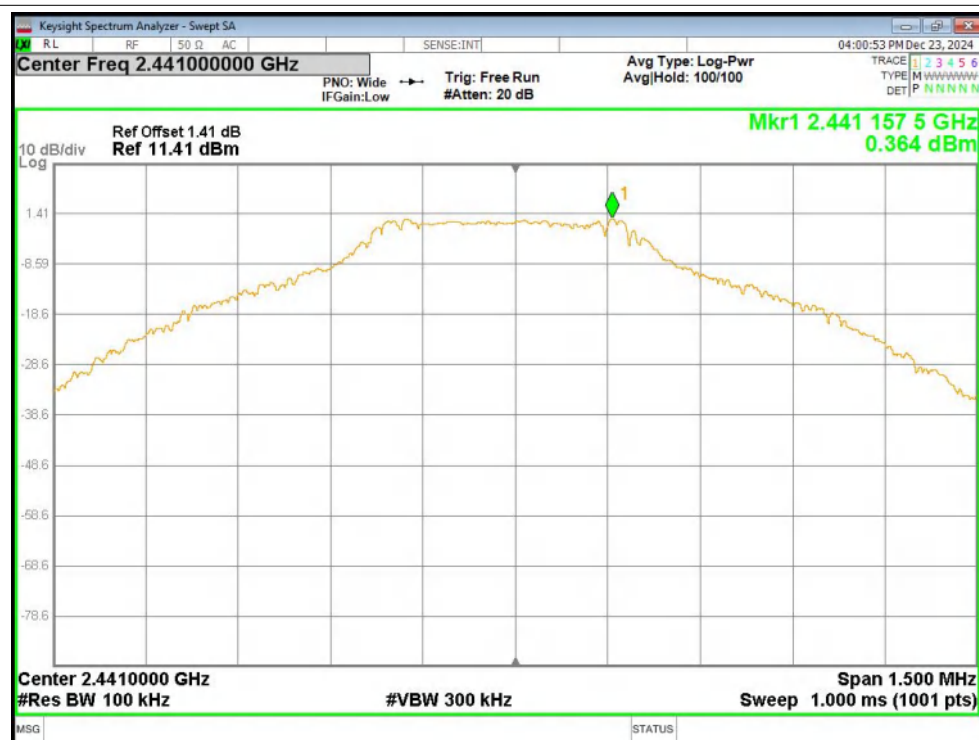
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



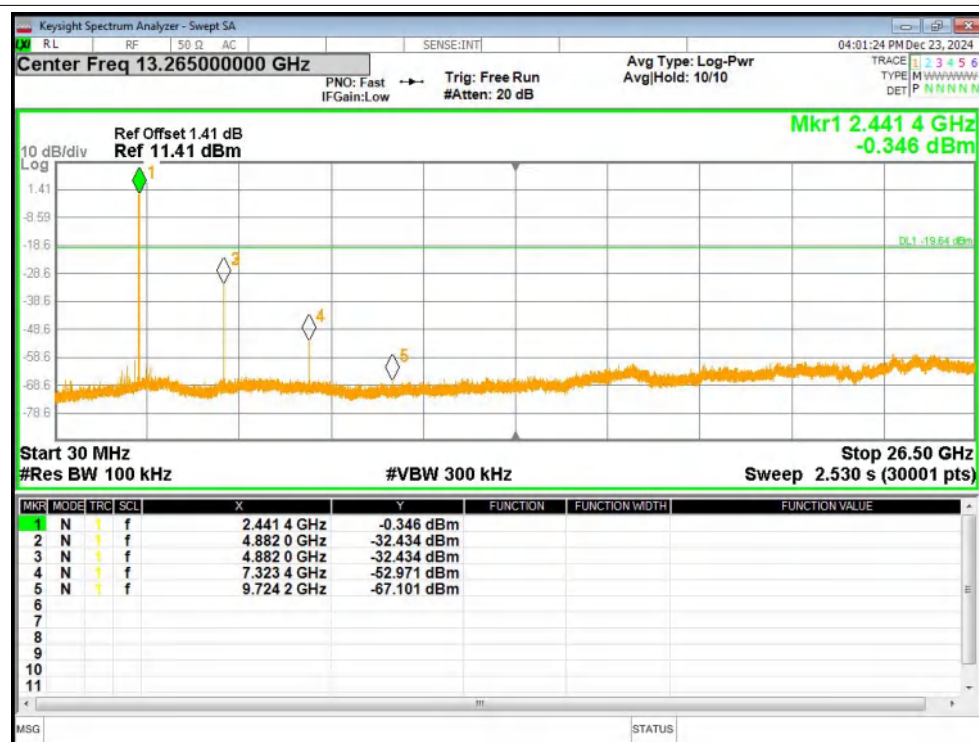
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



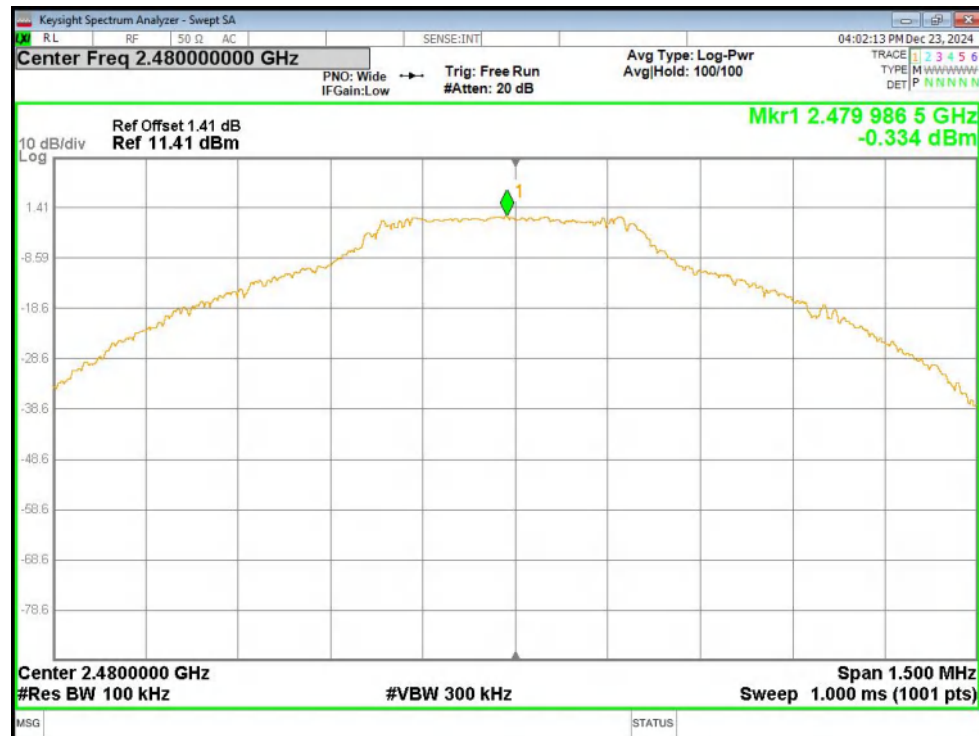
# Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



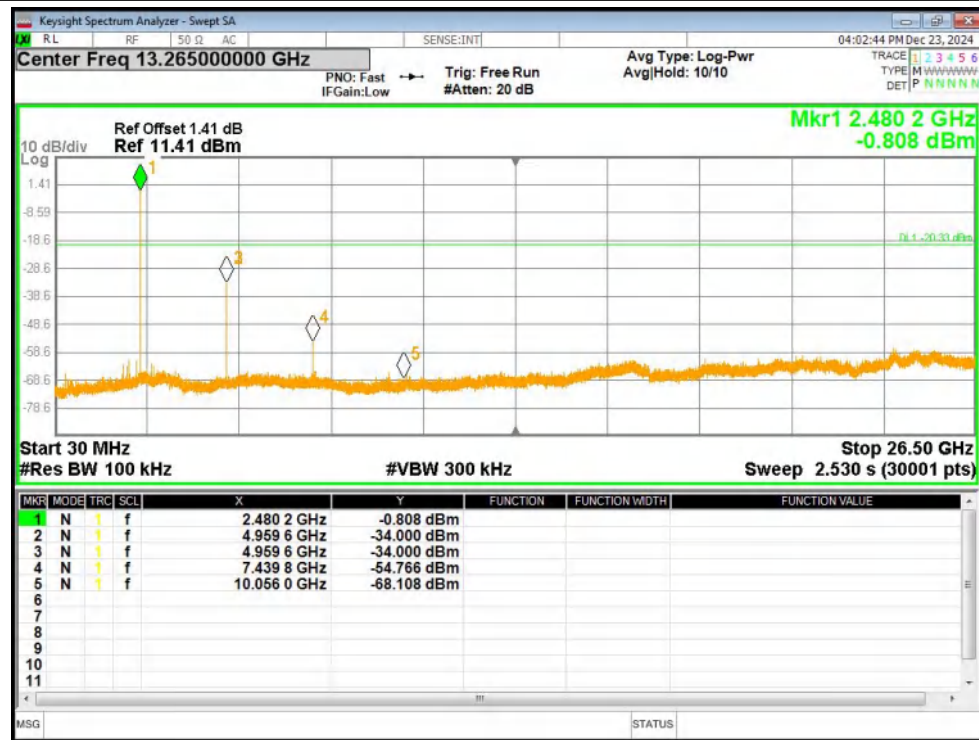
# Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



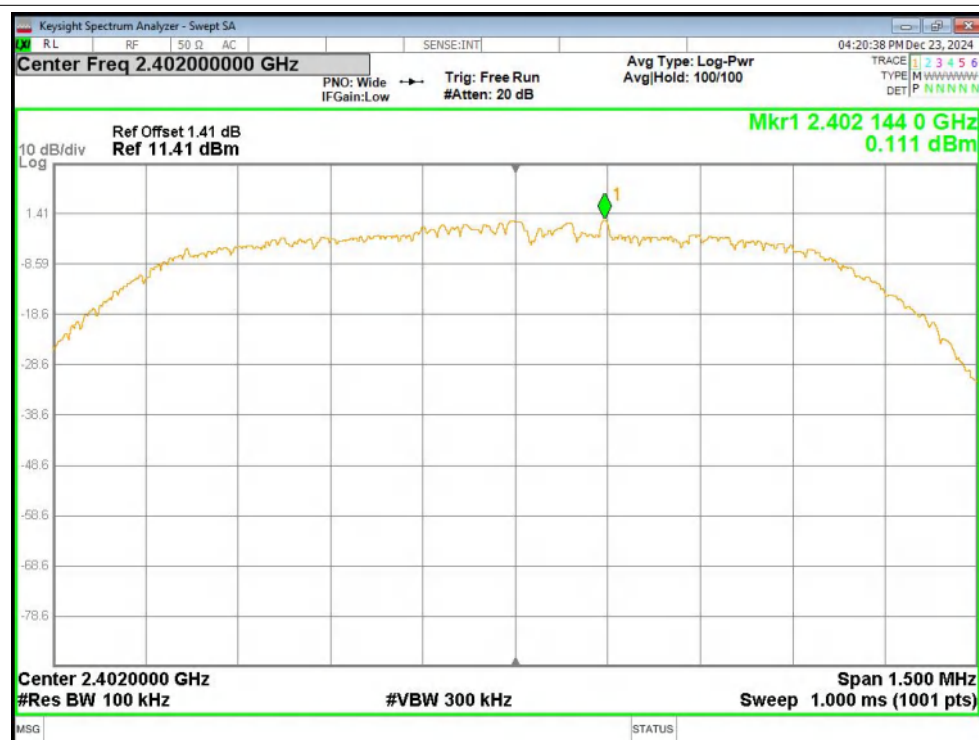
# Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



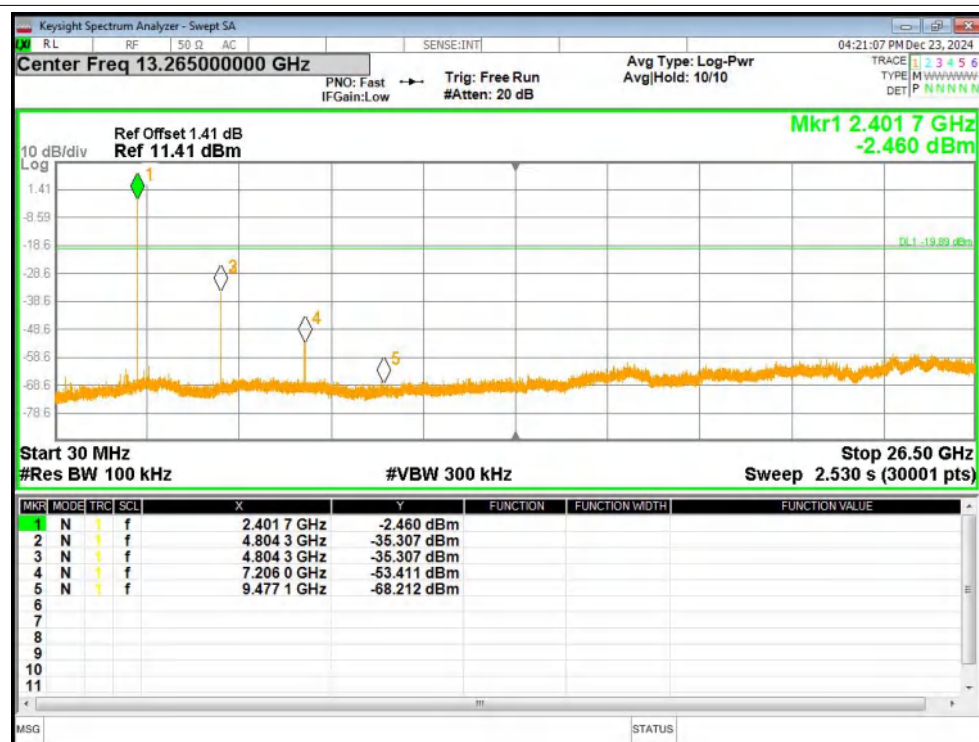
# Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



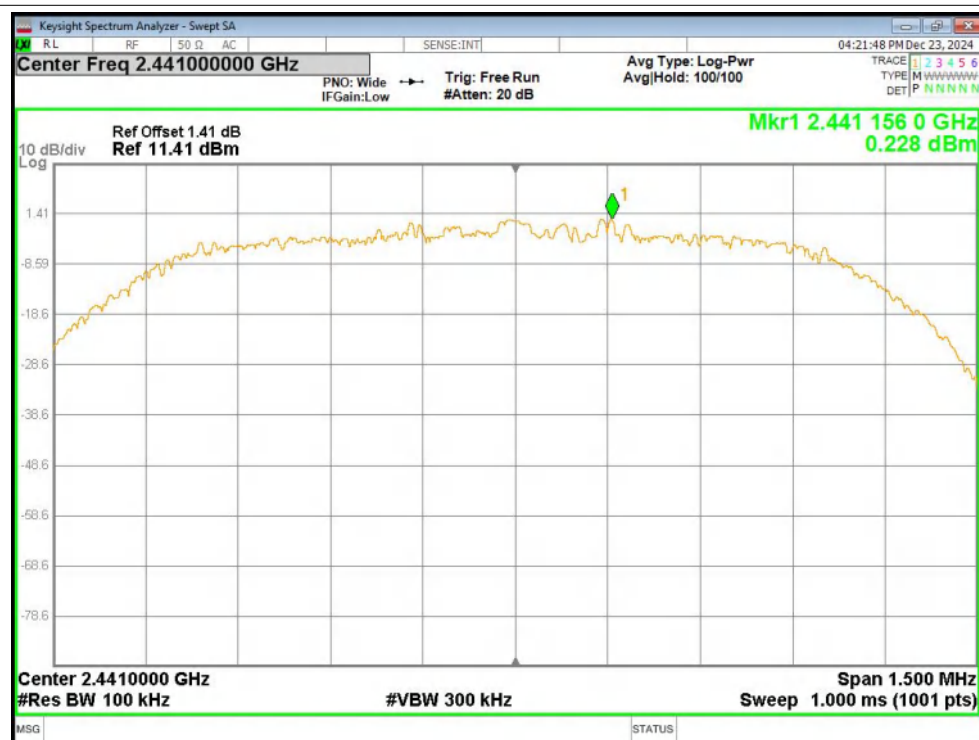
## Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



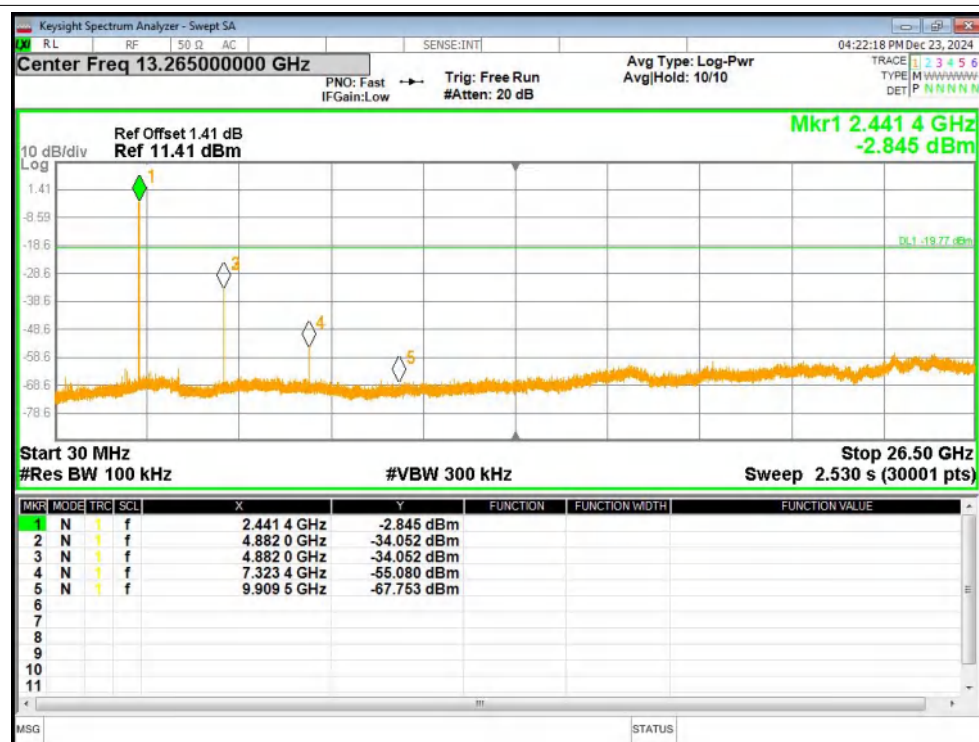
## Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



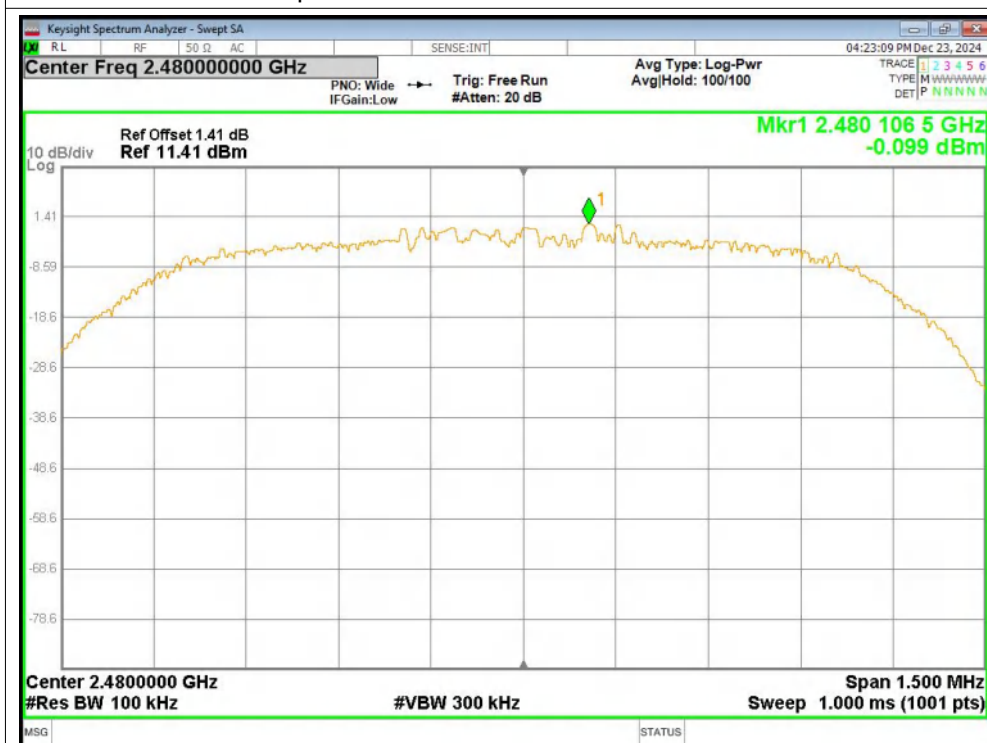
## Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



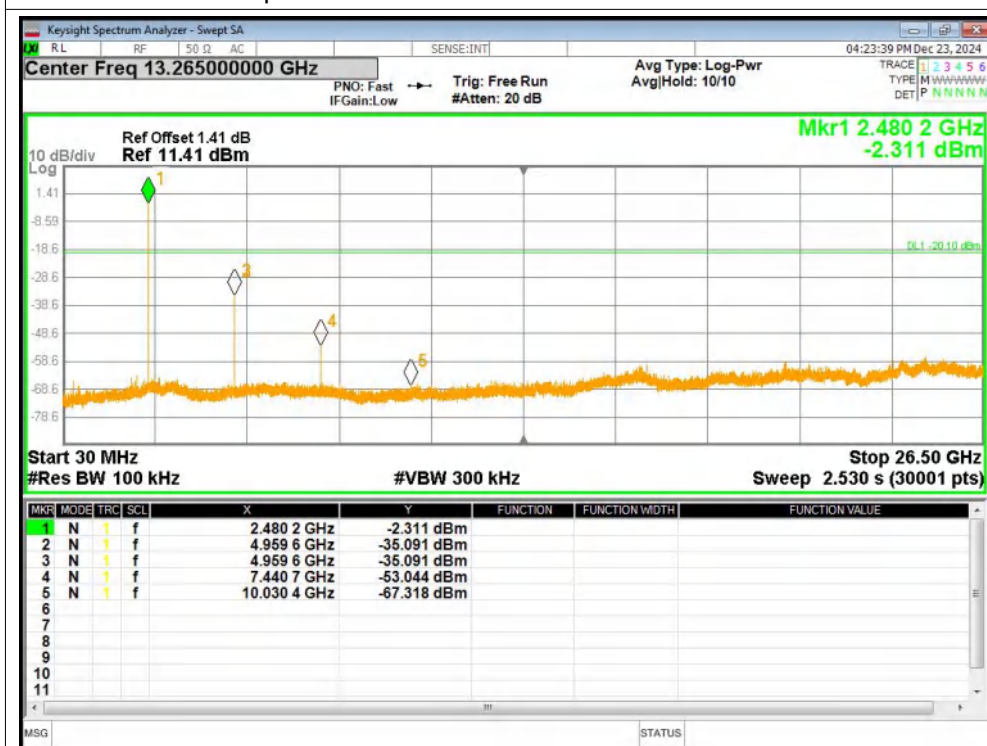
## Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



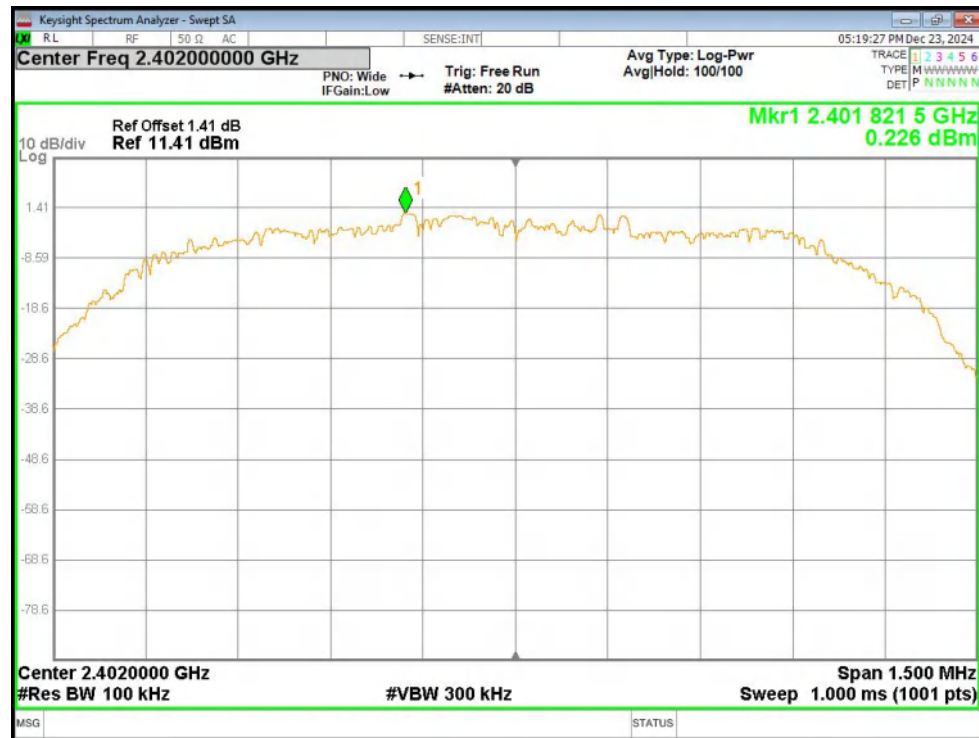
## Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



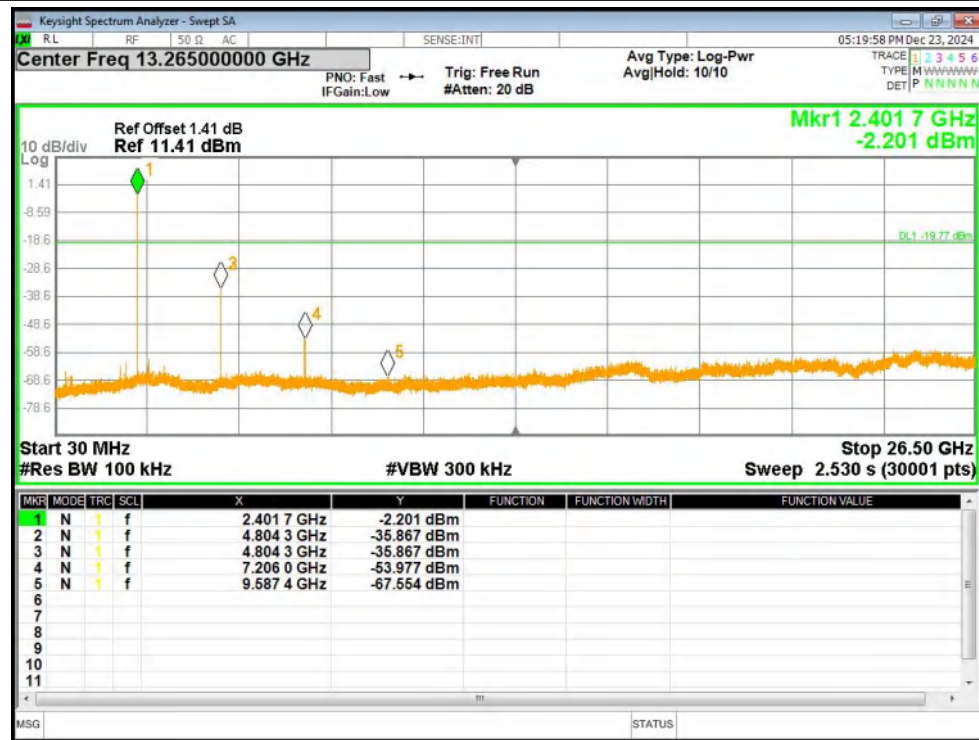
## Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



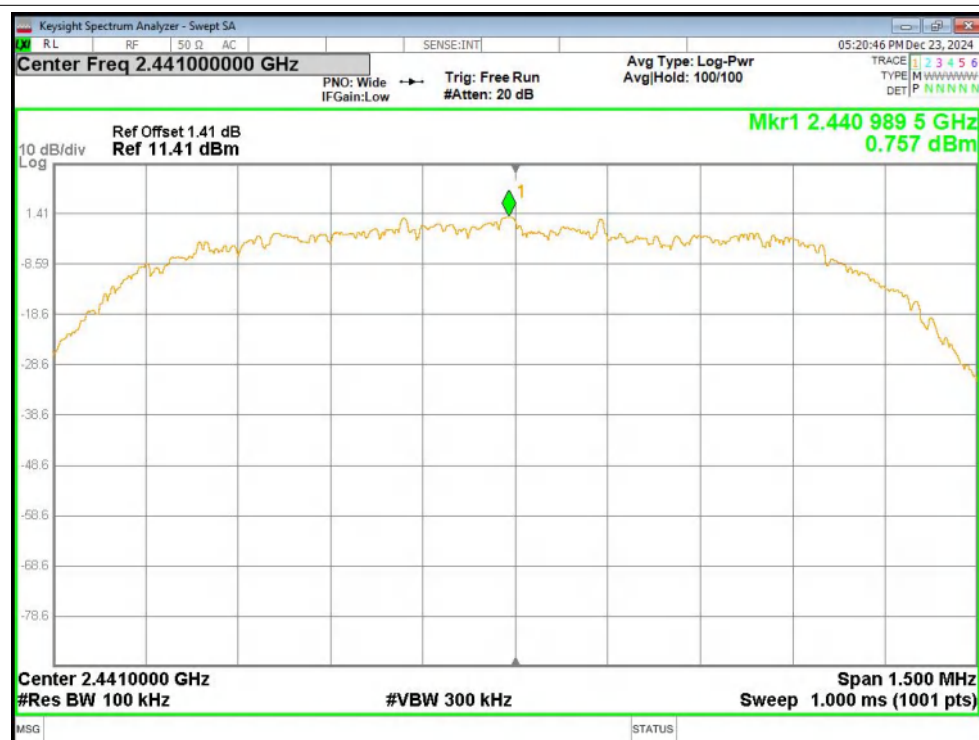
# Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



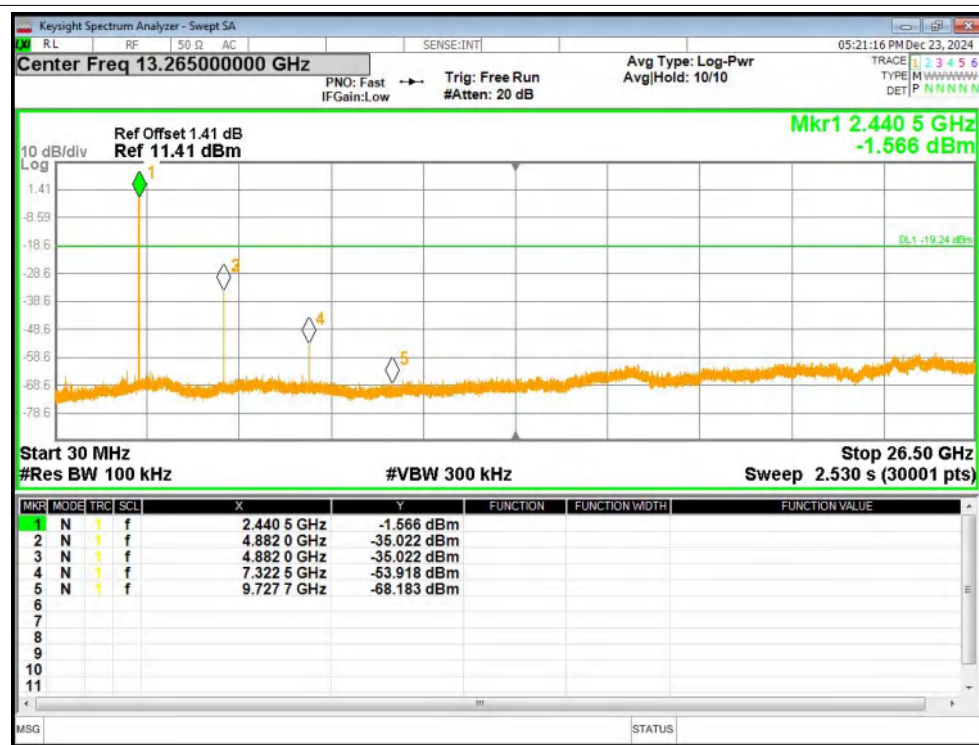
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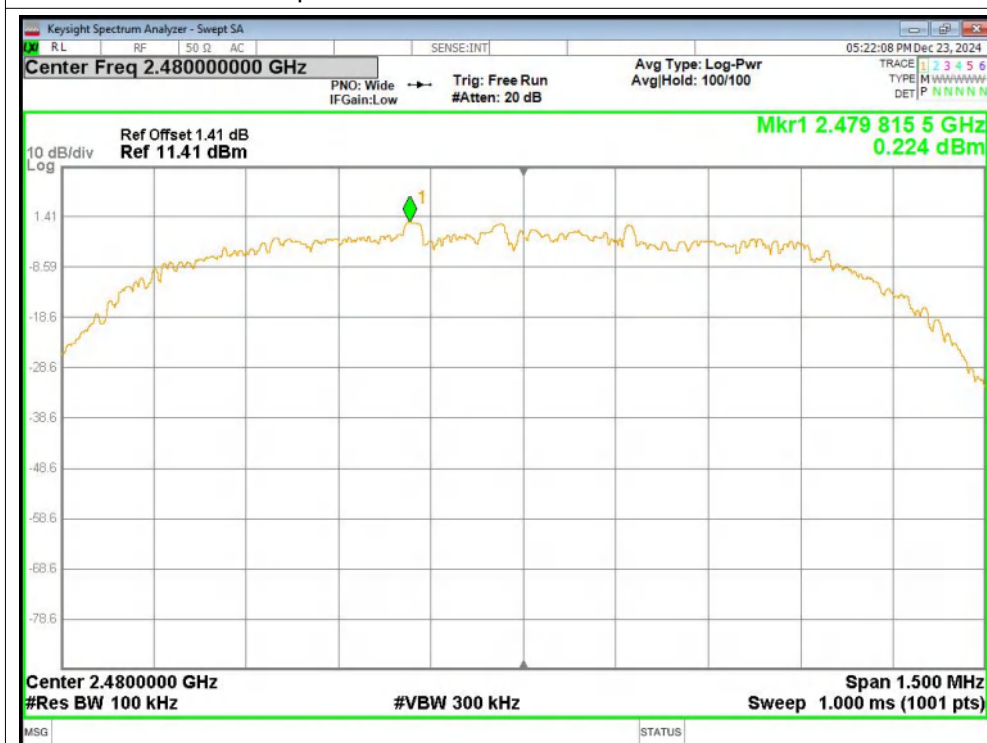
# Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



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



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



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

