

Shenzhen Kesi Network Technology Co., Ltd.

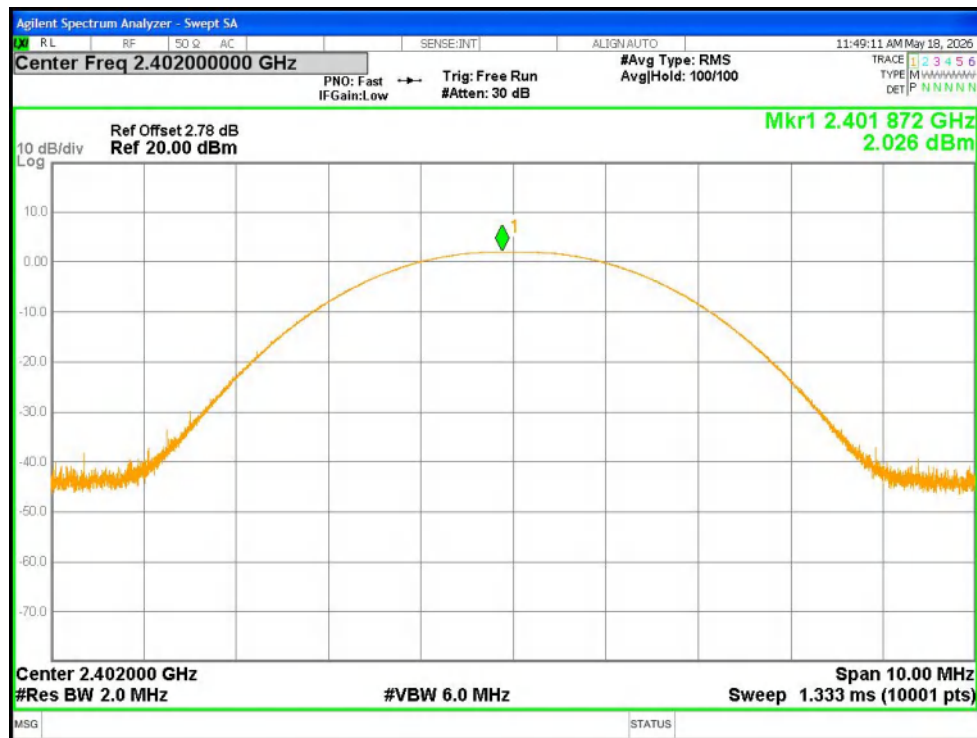
Model: K5

FCC ID: 2BV6N-K5

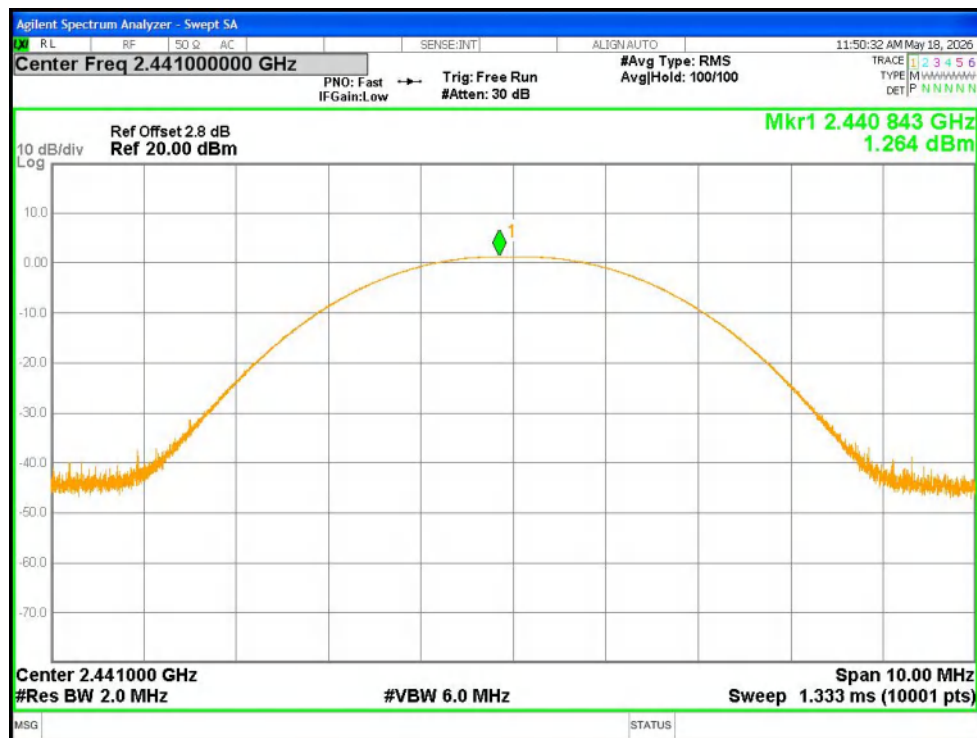
1. Maximum Peak Conducted Output Power

| Condition | Mode  | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Duty Factor<br>(dB) | Total Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|-------|--------------------|---------|--------------------------|---------------------|----------------------|----------------|---------|
| NVNT      | 1-DH5 | 2402               | Ant1    | 2.03                     | 0                   | 2.03                 | 21             | Pass    |
| NVNT      | 1-DH5 | 2441               | Ant1    | 1.26                     | 0                   | 1.26                 | 21             | Pass    |
| NVNT      | 1-DH5 | 2480               | Ant1    | 0.08                     | 0                   | 0.08                 | 21             | Pass    |
| NVNT      | 2-DH5 | 2402               | Ant1    | -0.16                    | 0                   | -0.16                | 21             | Pass    |
| NVNT      | 2-DH5 | 2441               | Ant1    | 2.04                     | 0                   | 2.04                 | 21             | Pass    |
| NVNT      | 2-DH5 | 2480               | Ant1    | 0.86                     | 0                   | 0.86                 | 21             | Pass    |
| NVNT      | 3-DH5 | 2402               | Ant1    | 0.37                     | 0                   | 0.37                 | 21             | Pass    |
| NVNT      | 3-DH5 | 2441               | Ant1    | 2.6                      | 0                   | 2.6                  | 21             | Pass    |
| NVNT      | 3-DH5 | 2480               | Ant1    | 1.4                      | 0                   | 1.4                  | 21             | Pass    |

# Report

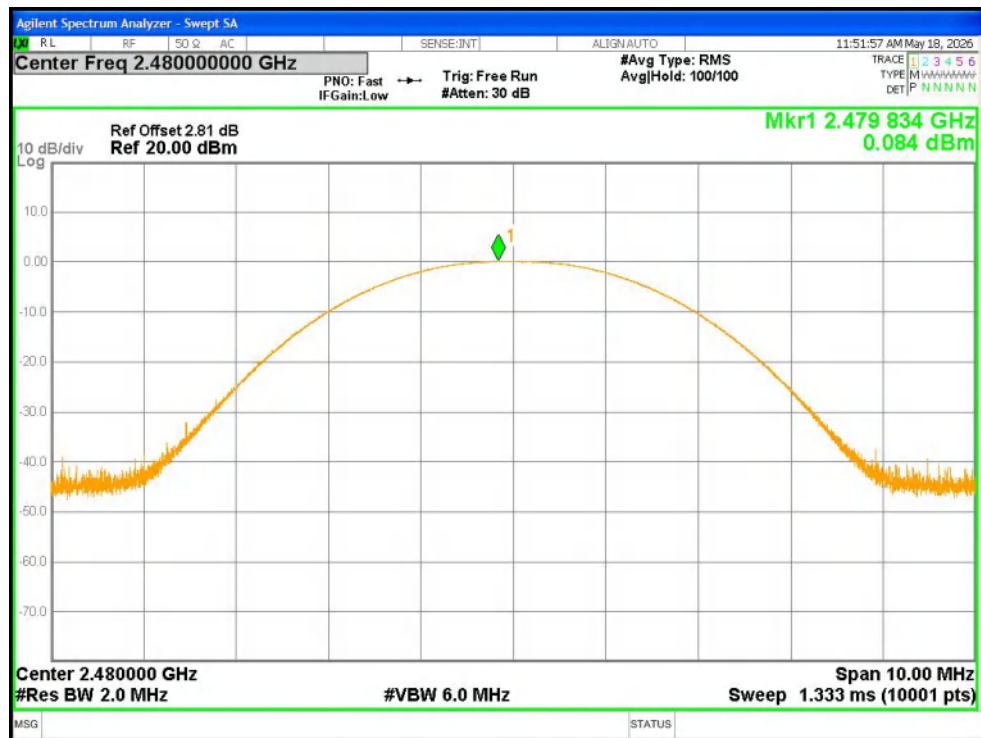


Peak Power NVNT 1-DH5 2402MHz Ant1

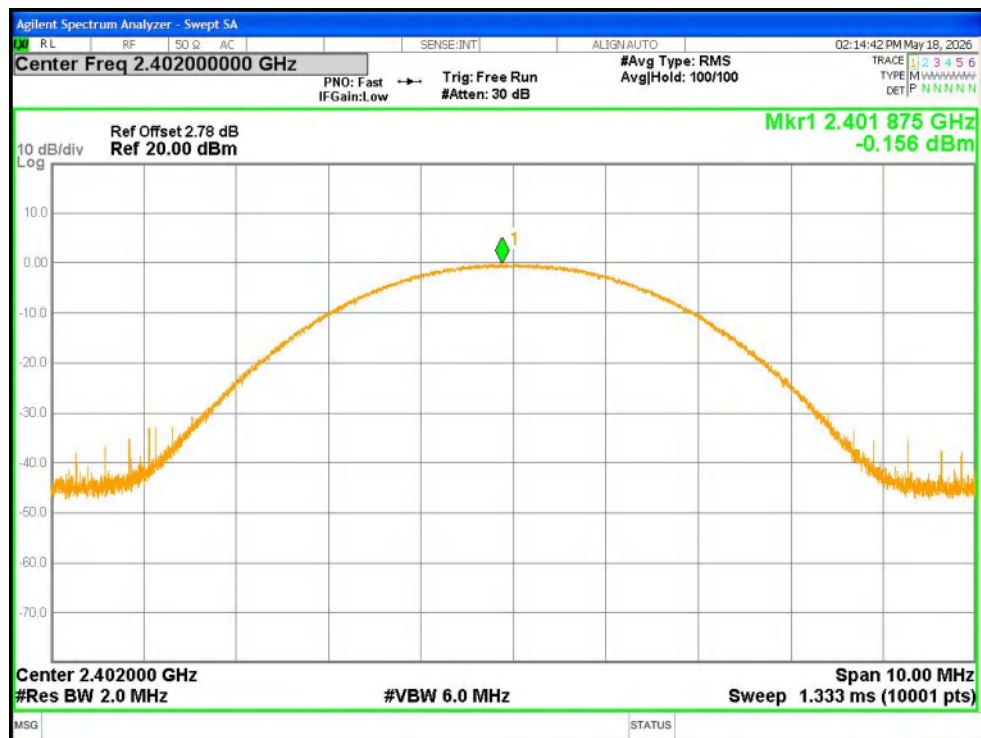


Peak Power NVNT 1-DH5 2441MHz Ant1

## Report

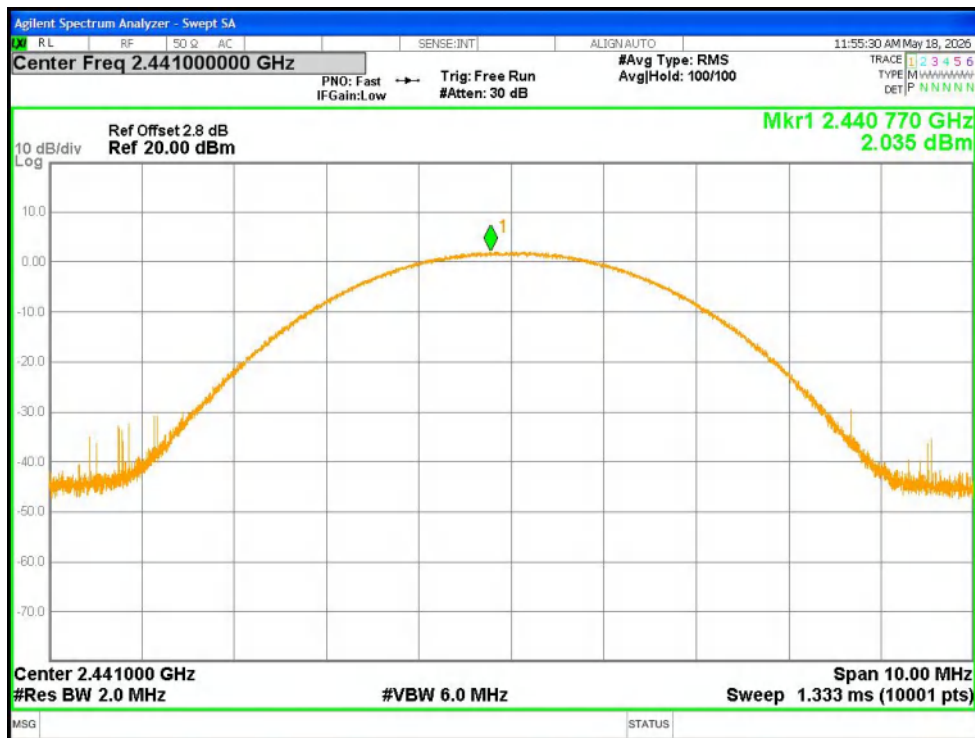


Peak Power NVNT 1-DH5 2480MHz Ant1

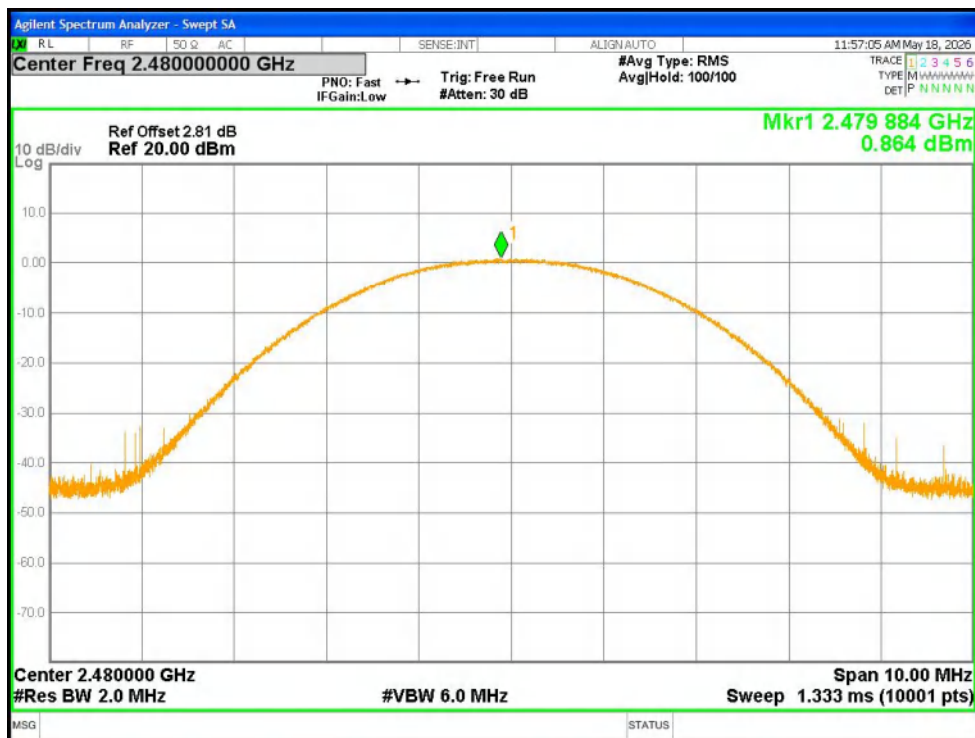


Peak Power NVNT 2-DH5 2402MHz Ant1

# Report

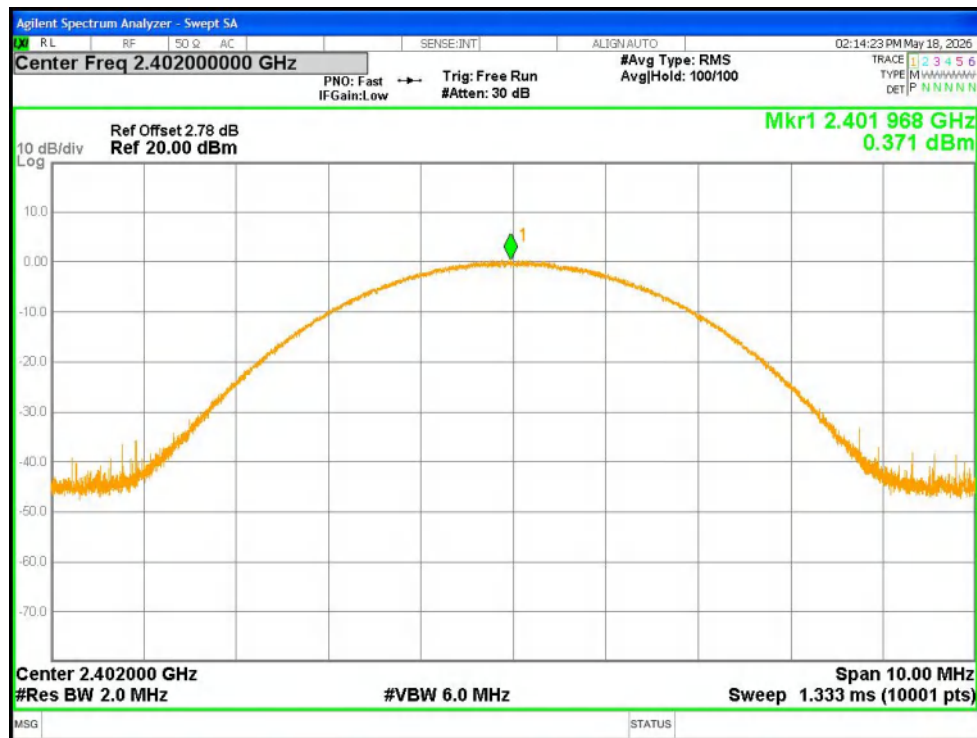


Peak Power NVNT 2-DH5 2441MHz Ant1

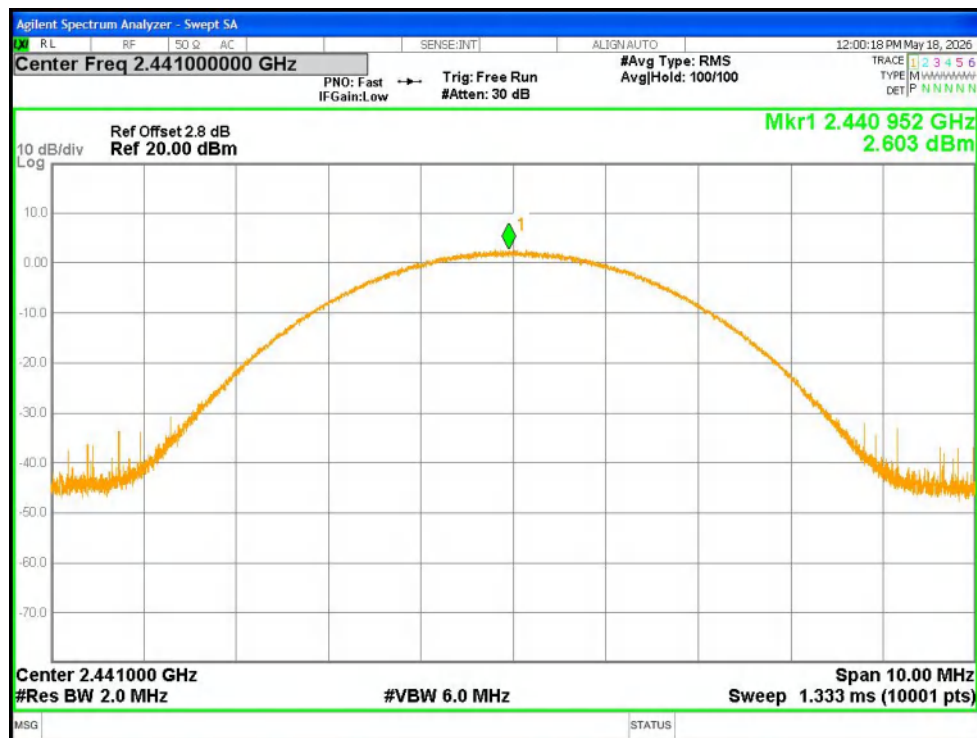


Peak Power NVNT 2-DH5 2480MHz Ant1

# Report

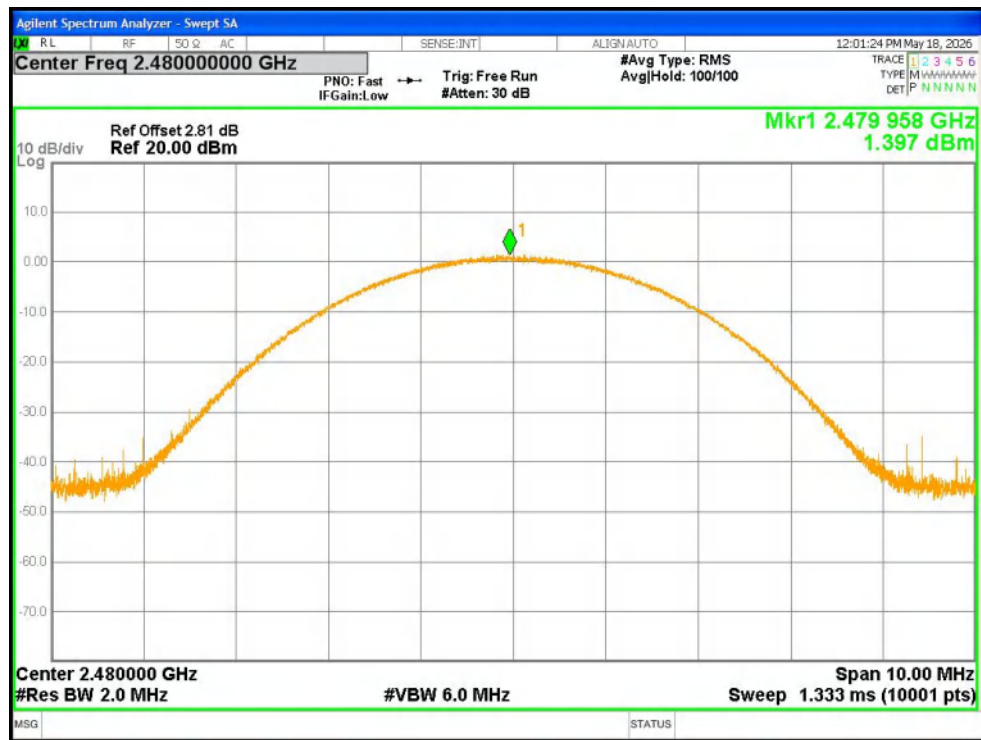


Peak Power NVNT 3-DH5 2402MHz Ant1



Peak Power NVNT 3-DH5 2441MHz Ant1

# Report



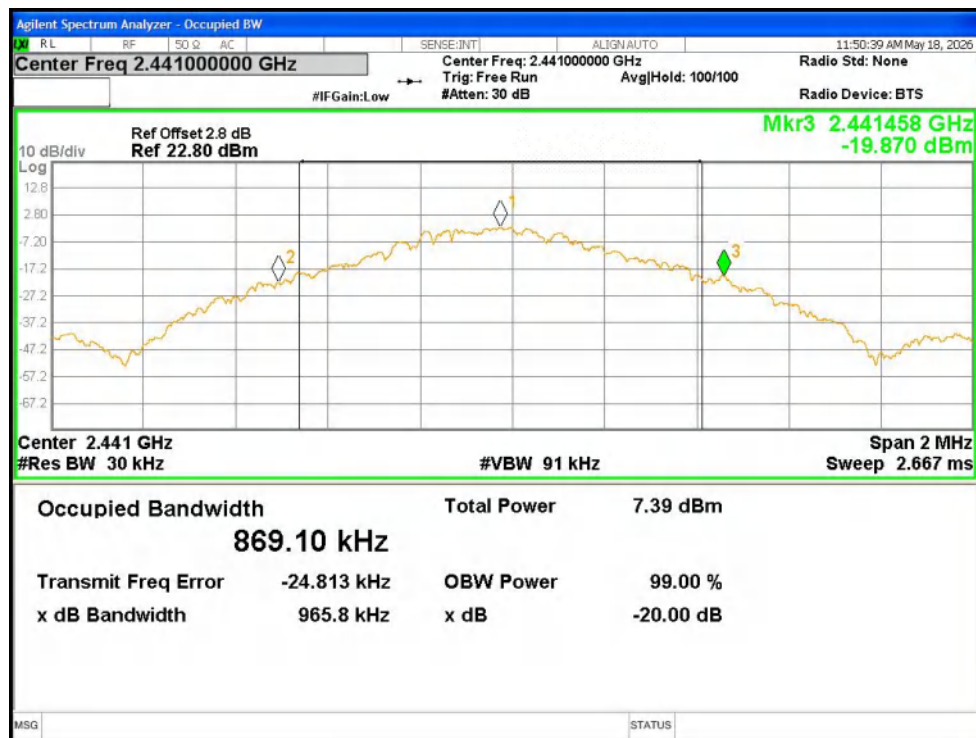
Peak Power NVNT 3-DH5 2480MHz Ant1

## 2. -20dB Bandwidth

| Condition | Mode  | Frequency (MHz) | Antenna | -20 dB Bandwidth (MHz) | Verdict |
|-----------|-------|-----------------|---------|------------------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | 0.937                  | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 0.966                  | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | 0.953                  | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | 1.233                  | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | 1.227                  | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | 1.246                  | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | 1.293                  | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 1.289                  | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | 1.278                  | Pass    |

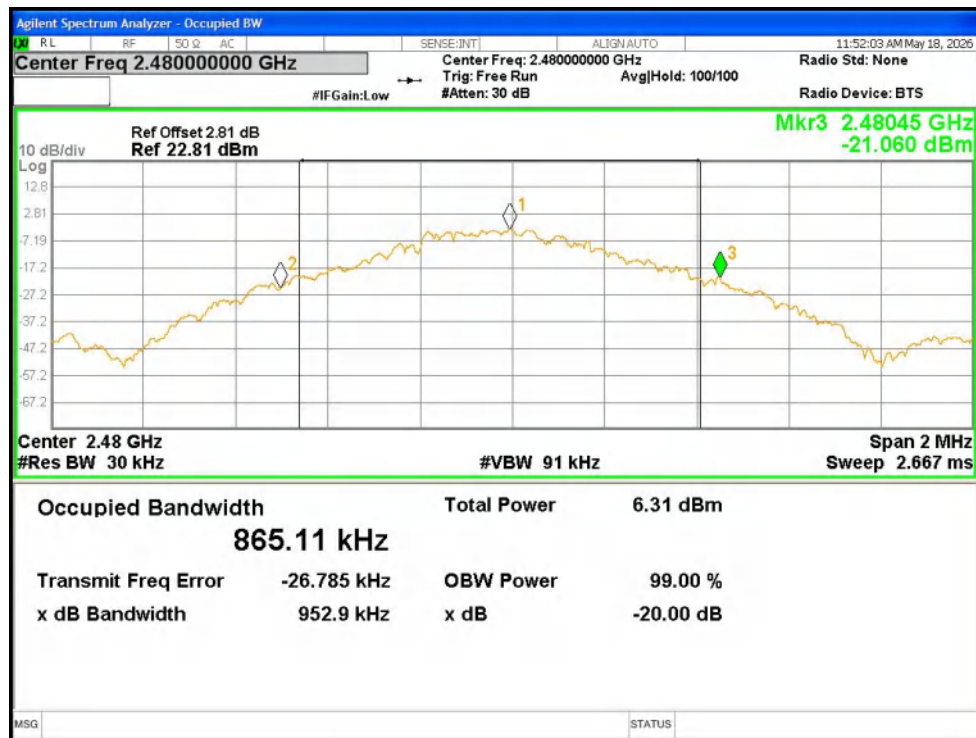


-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

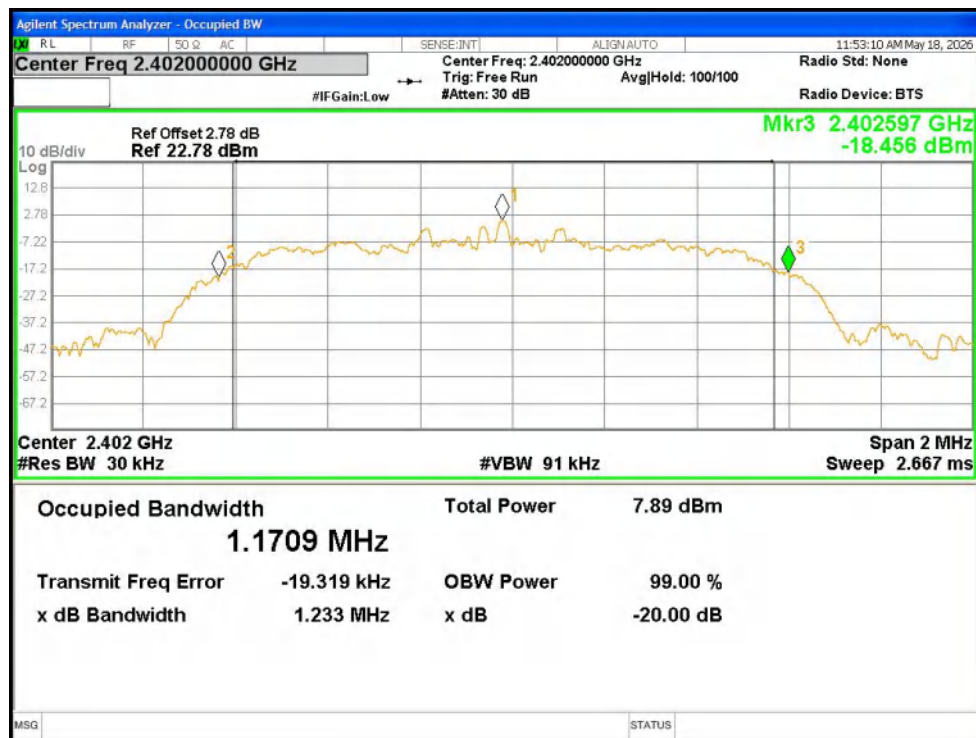


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

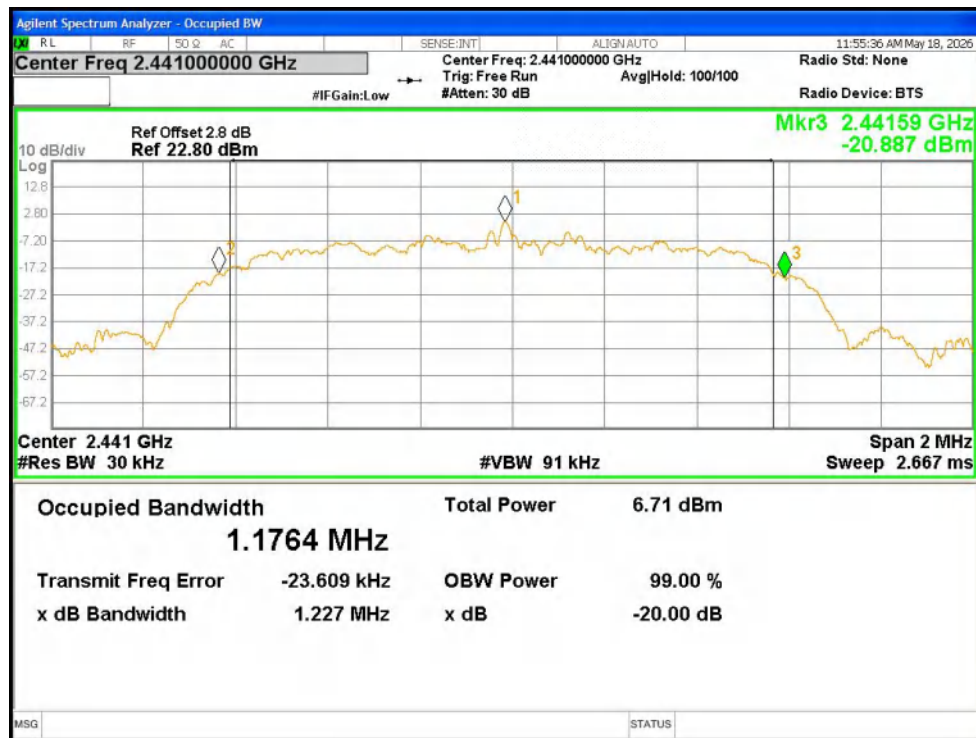
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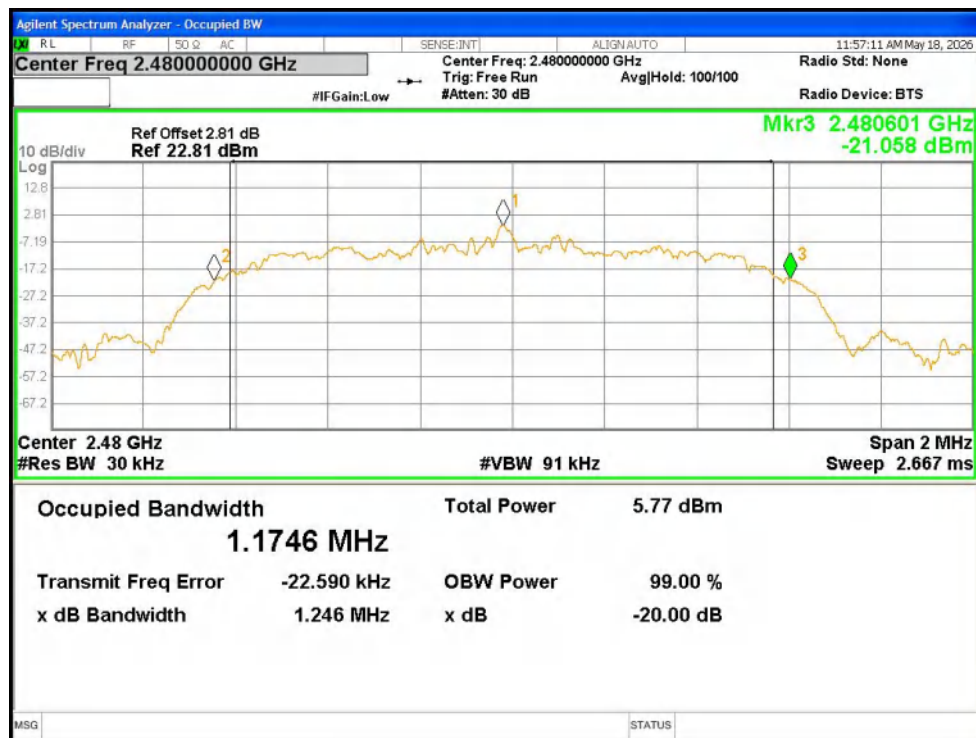
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

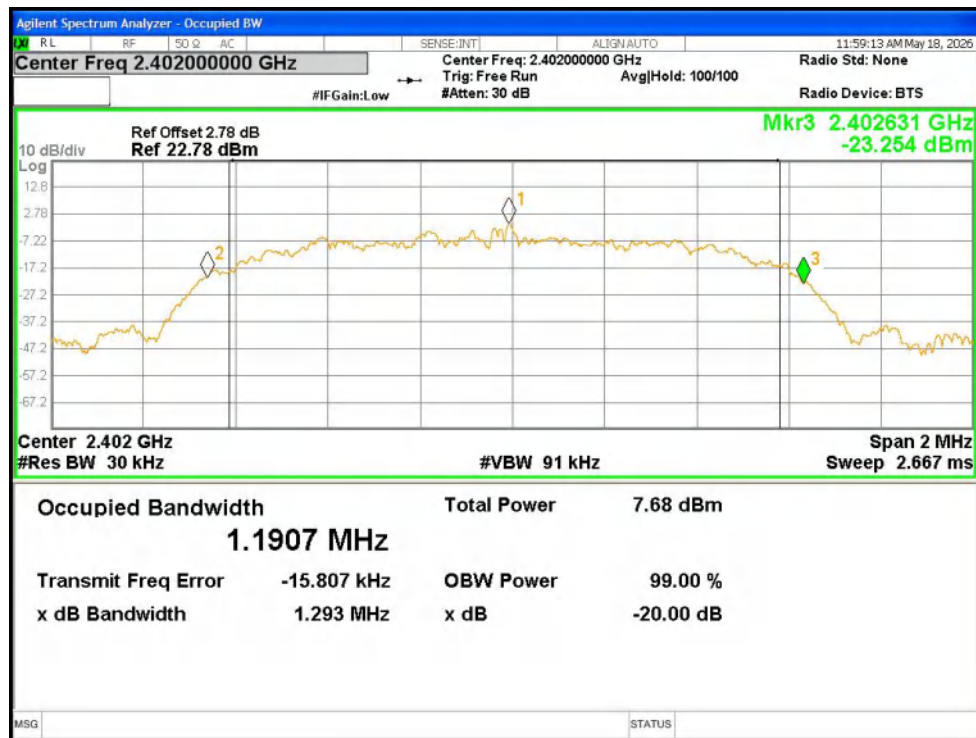


-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

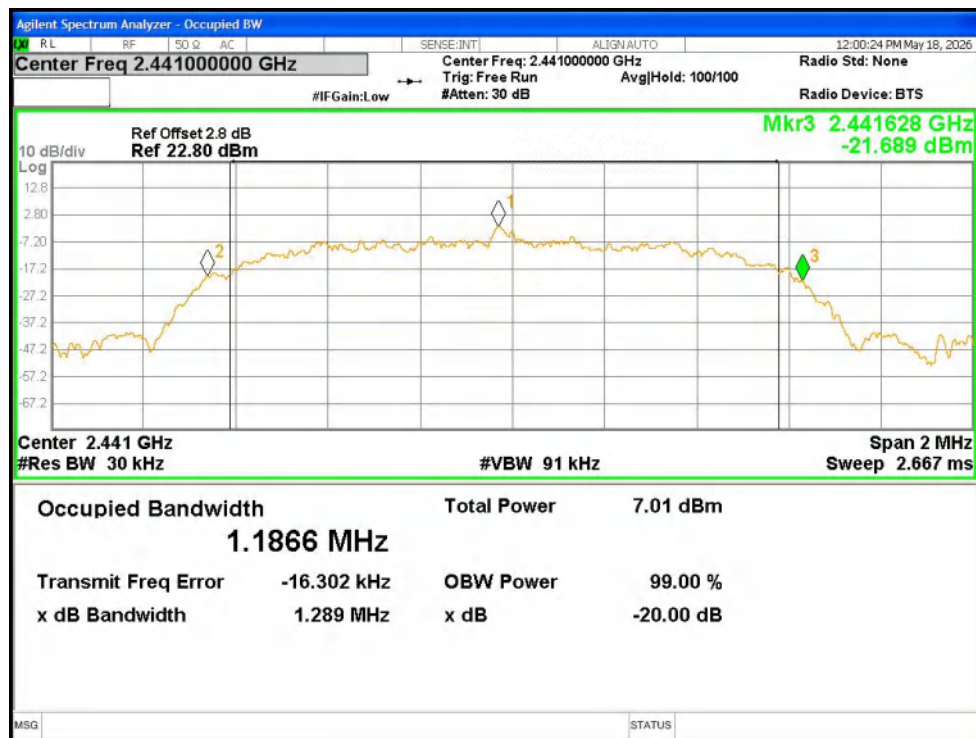


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

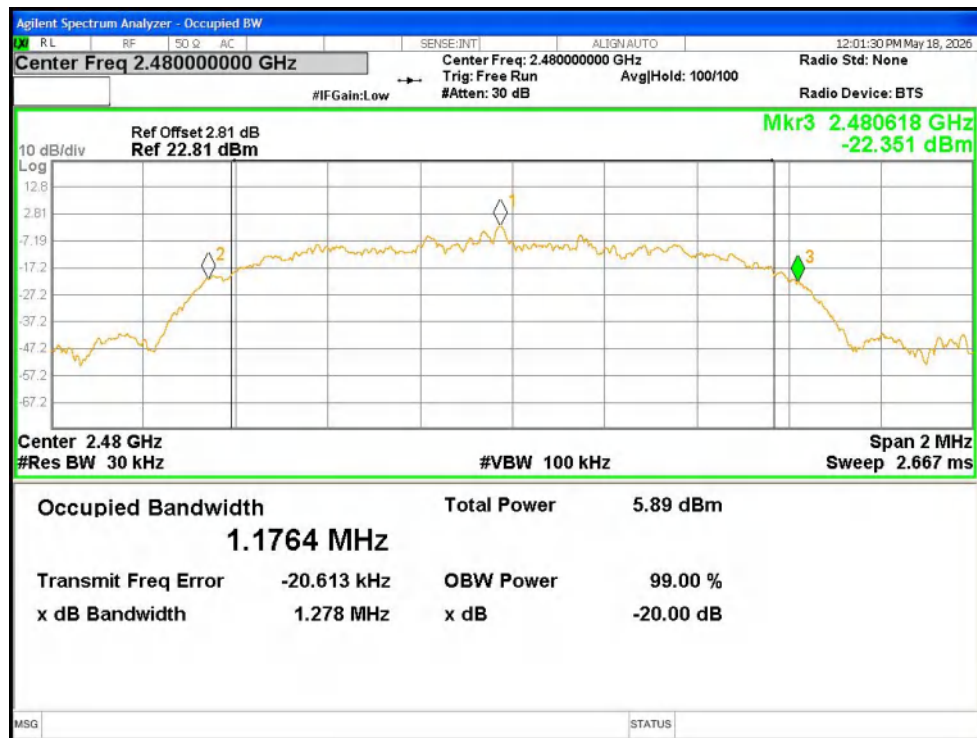
# Report



-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

### 3. Carrier Frequencies Separation

| Condition | Mode  | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|-----------|-------|---------|---------------------|---------------------|-----------|-------------|---------|
| NVNT      | 1-DH5 | Ant1    | 2401.994            | 2403.046            | 1.052     | 0.625       | Pass    |
| NVNT      | 1-DH5 | Ant1    | 2440.966            | 2441.946            | 0.98      | 0.644       | Pass    |
| NVNT      | 1-DH5 | Ant1    | 2479.036            | 2480.038            | 1.002     | 0.635       | Pass    |
| NVNT      | 2-DH5 | Ant1    | 2401.982            | 2402.96             | 0.978     | 0.822       | Pass    |
| NVNT      | 2-DH5 | Ant1    | 2440.976            | 2442                | 1.024     | 0.818       | Pass    |
| NVNT      | 2-DH5 | Ant1    | 2478.982            | 2479.982            | 1.000     | 0.831       | Pass    |
| NVNT      | 3-DH5 | Ant1    | 2401.974            | 2402.972            | 0.998     | 0.862       | Pass    |
| NVNT      | 3-DH5 | Ant1    | 2440.986            | 2441.982            | 0.996     | 0.859       | Pass    |
| NVNT      | 3-DH5 | Ant1    | 2478.97             | 2479.986            | 1.016     | 0.852       | Pass    |

# Report



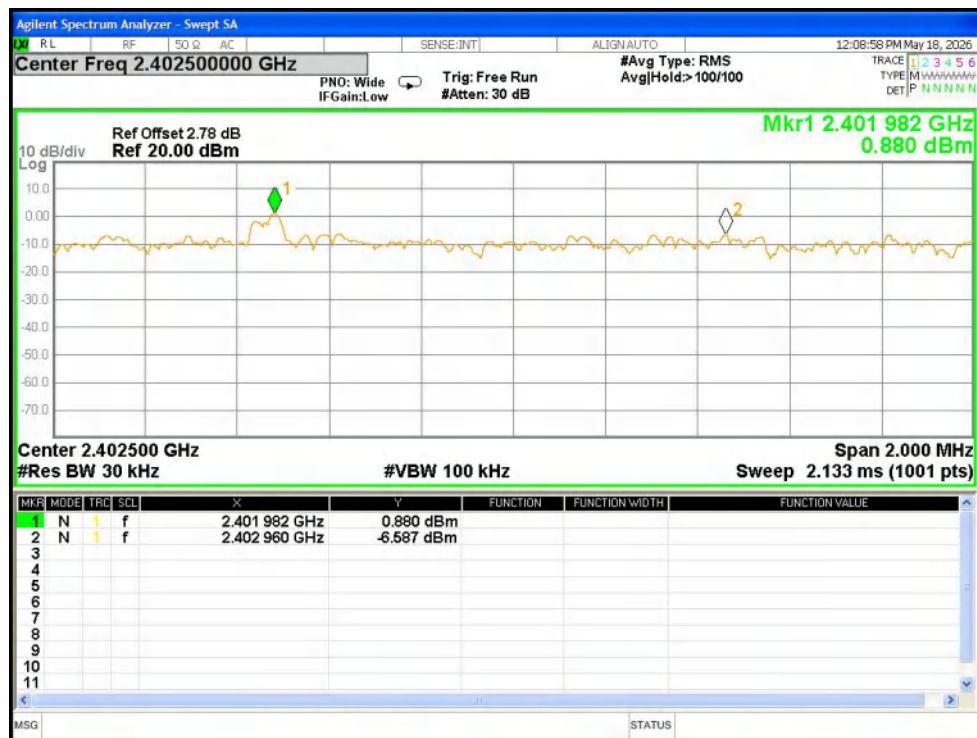
CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 1-DH5 2441MHz Ant1

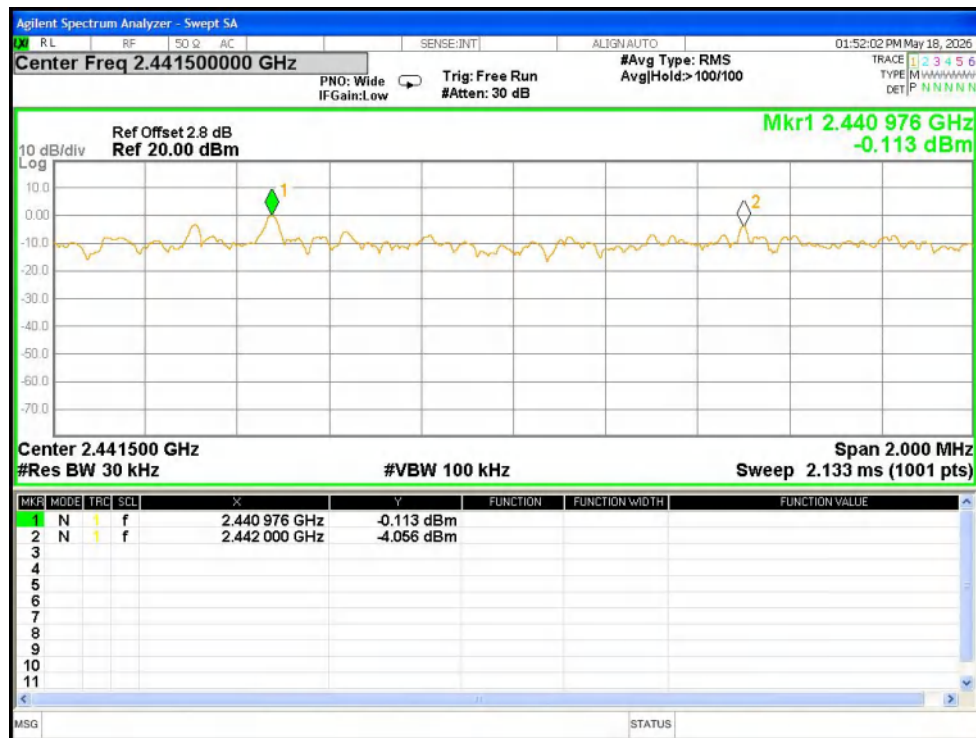


CFS NVNT 1-DH5 2480MHz Ant1

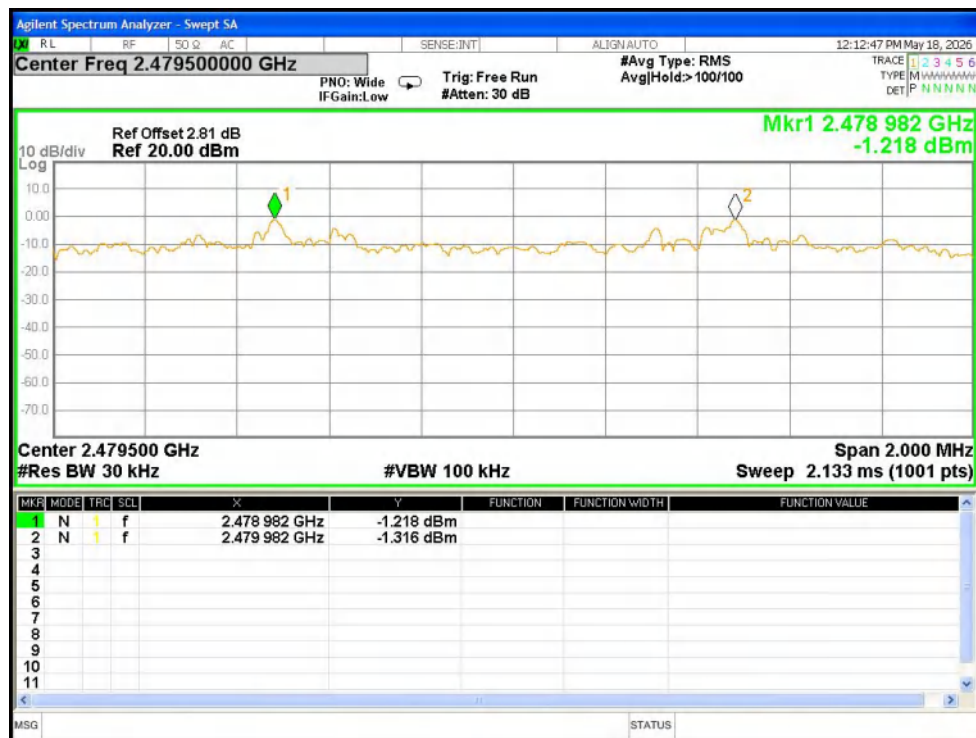


CFS NVNT 2-DH5 2402MHz Ant1

# Report

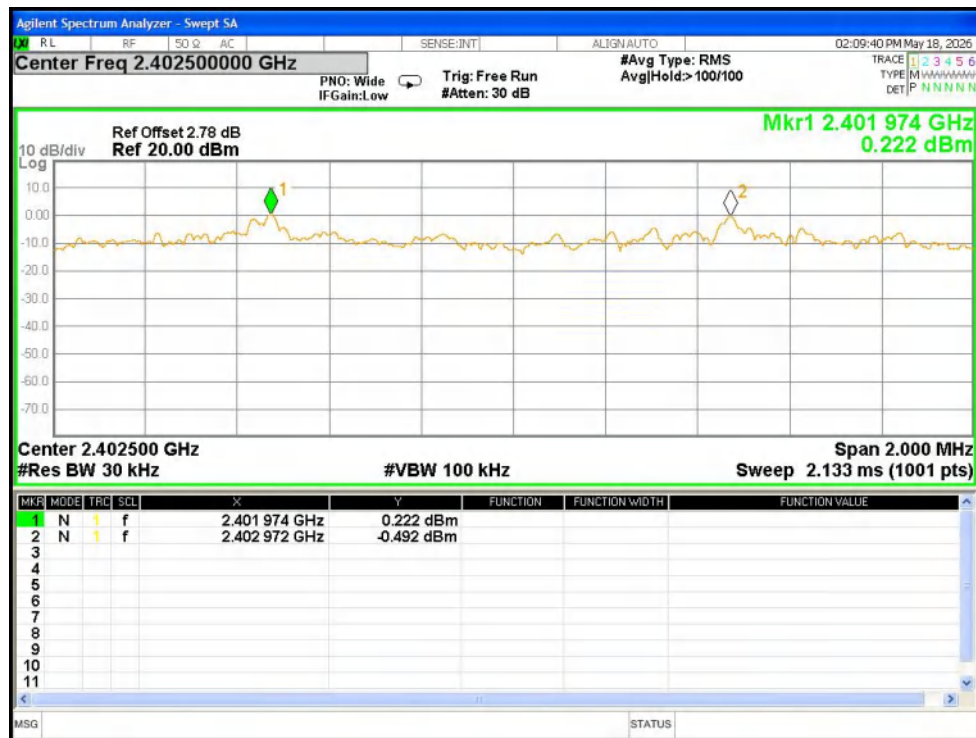


CFS NVNT 2-DH5 2441MHz Ant1

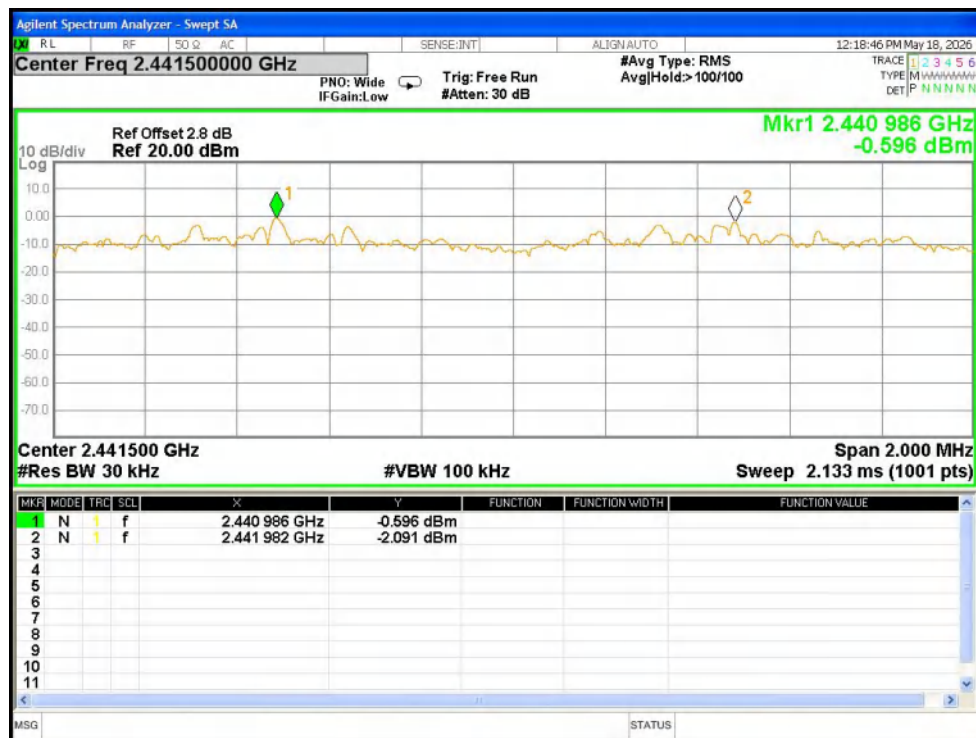


CFS NVNT 2-DH5 2480MHz Ant1

# Report

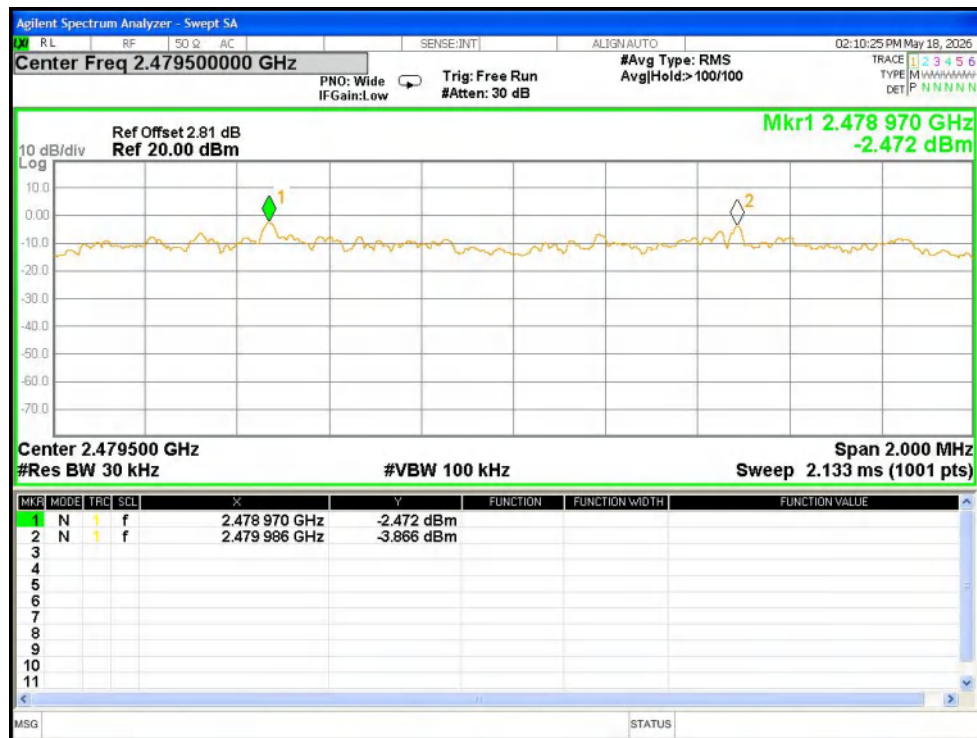


CFS NVNT 3-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2441MHz Ant1

# Report

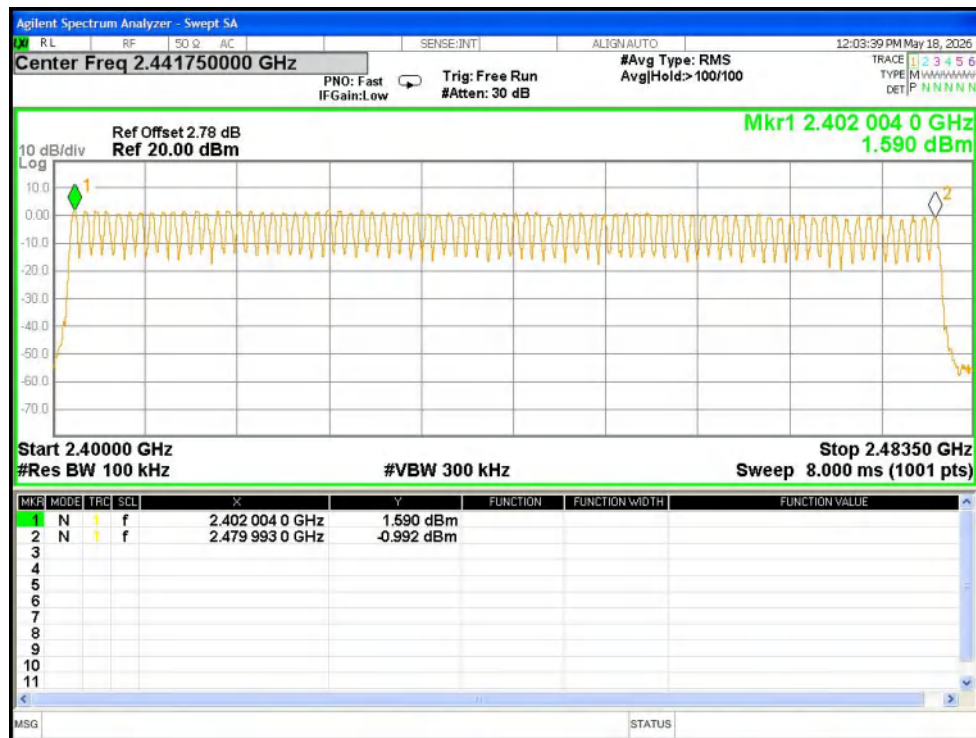


CFS NVNT 3-DH5 2480MHz Ant1

## 4. Number of Hopping Channel

| Condition | Mode  | Antenna | Hopping Number | Limit | Verdict |
|-----------|-------|---------|----------------|-------|---------|
| NVNT      | 1-DH5 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 2-DH5 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 3-DH5 | Ant1    | 79             | 15    | Pass    |

# Report



Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1

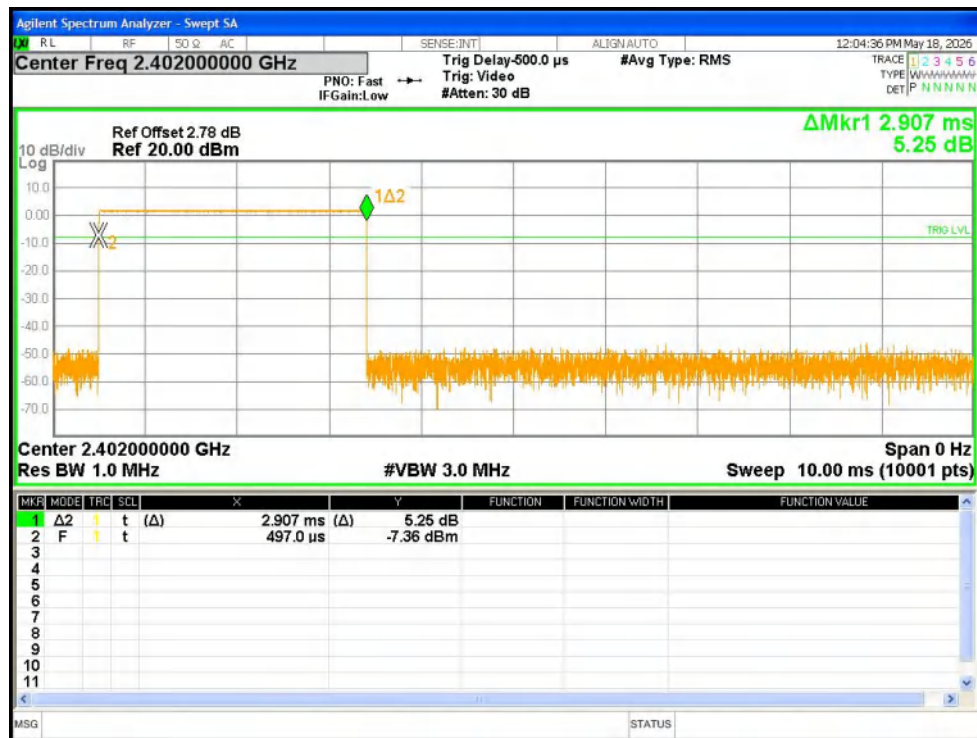
# Report



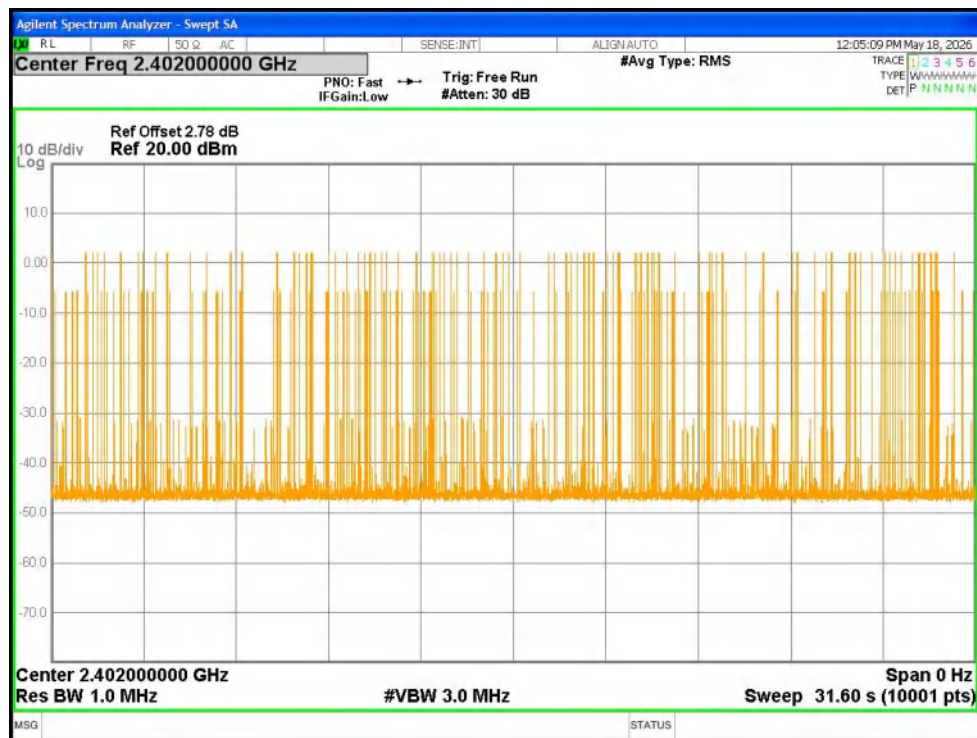
Hopping No. NVNT 3-DH5 2402MHz Ant1

## 5. Dwell Time

| Condition | Mode  | Frequency<br>(MHz) | Antenna | Pulse Time<br>(ms) | Total Dwell Time<br>(ms) | Burst<br>Count | Period Time<br>(ms) | Limit<br>(ms) | Verdict |
|-----------|-------|--------------------|---------|--------------------|--------------------------|----------------|---------------------|---------------|---------|
| NVNT      | 1-DH5 | 2402               | Ant1    | 2.907              | 302.328                  | 104            | 31600               | 400           | Pass    |
| NVNT      | 1-DH5 | 2441               | Ant1    | 2.907              | 311.049                  | 107            | 31600               | 400           | Pass    |
| NVNT      | 1-DH5 | 2480               | Ant1    | 2.907              | 287.793                  | 99             | 31600               | 400           | Pass    |
| NVNT      | 2-DH5 | 2402               | Ant1    | 2.89               | 352.58                   | 122            | 31600               | 400           | Pass    |
| NVNT      | 2-DH5 | 2441               | Ant1    | 2.913              | 329.169                  | 113            | 31600               | 400           | Pass    |
| NVNT      | 2-DH5 | 2480               | Ant1    | 2.909              | 319.99                   | 110            | 31600               | 400           | Pass    |
| NVNT      | 3-DH5 | 2402               | Ant1    | 2.916              | 329.508                  | 113            | 31600               | 400           | Pass    |
| NVNT      | 3-DH5 | 2441               | Ant1    | 2.916              | 361.584                  | 124            | 31600               | 400           | Pass    |
| NVNT      | 3-DH5 | 2480               | Ant1    | 2.916              | 256.608                  | 88             | 31600               | 400           | Pass    |



Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



Dwell NVNT 1-DH5 2480MHz Ant1 One Burst



Dwell NVNT 1-DH5 2480MHz Ant1 Accumulated



Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 2-DH5 2441MHz Ant1 One Burst



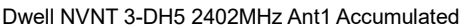
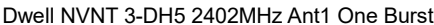
Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



Dwell NVNT 2-DH5 2480MHz Ant1 One Burst



Dwell NVNT 2-DH5 2480MHz Ant1 Accumulated





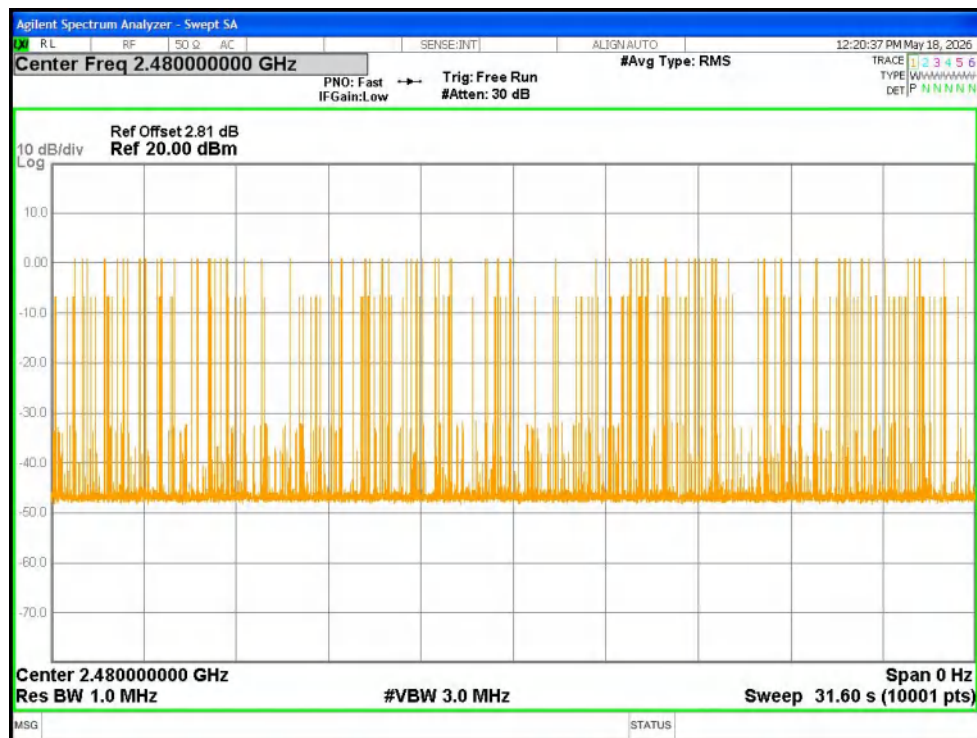
Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2480MHz Ant1 One Burst



Dwell NVNT 3-DH5 2480MHz Ant1 Accumulated

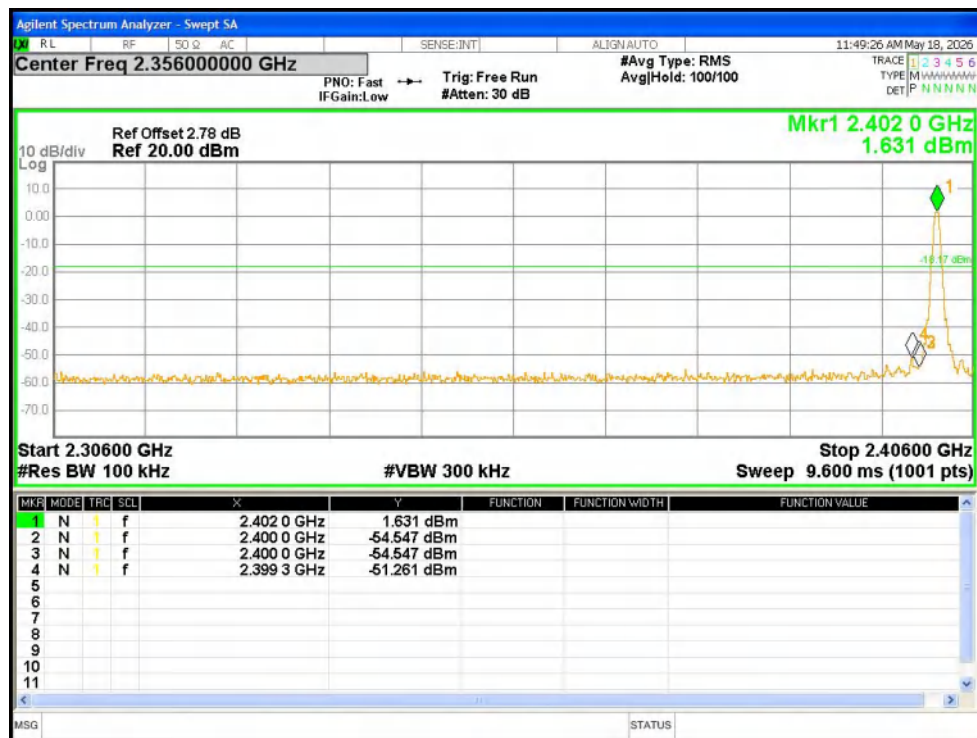
## 6. Band Edge

| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | No-Hopping   | -53.09          | -20         | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | No-Hopping   | -53.8           | -20         | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | No-Hopping   | -54.35          | -20         | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | No-Hopping   | -53.33          | -20         | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | No-Hopping   | -51.92          | -20         | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | No-Hopping   | -52.92          | -20         | Pass    |

# Report



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

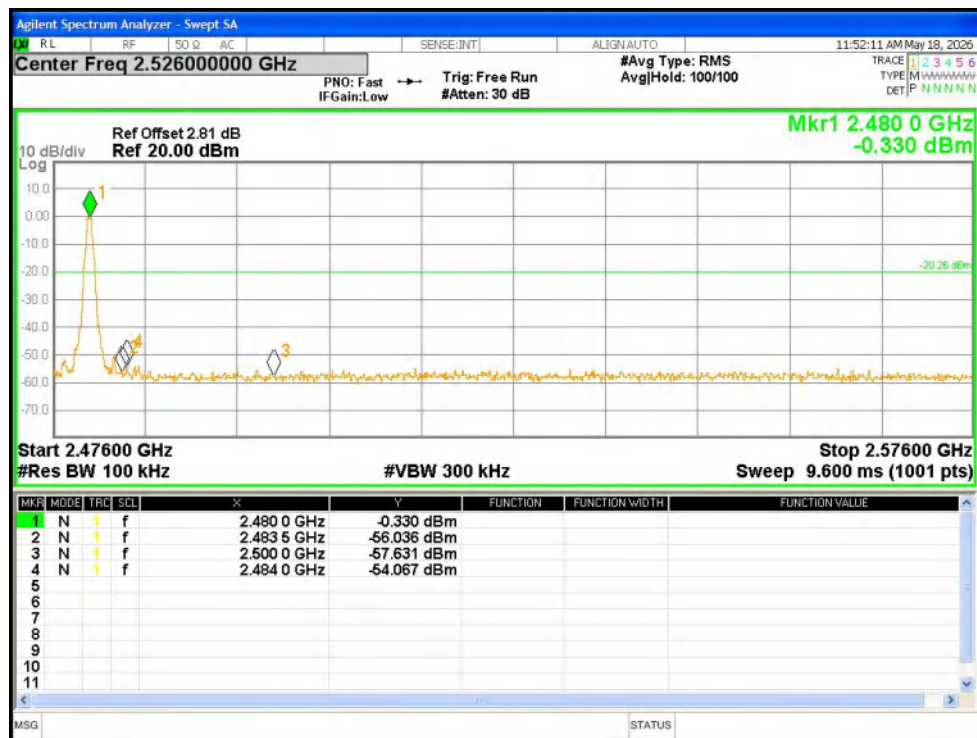


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

# Report



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

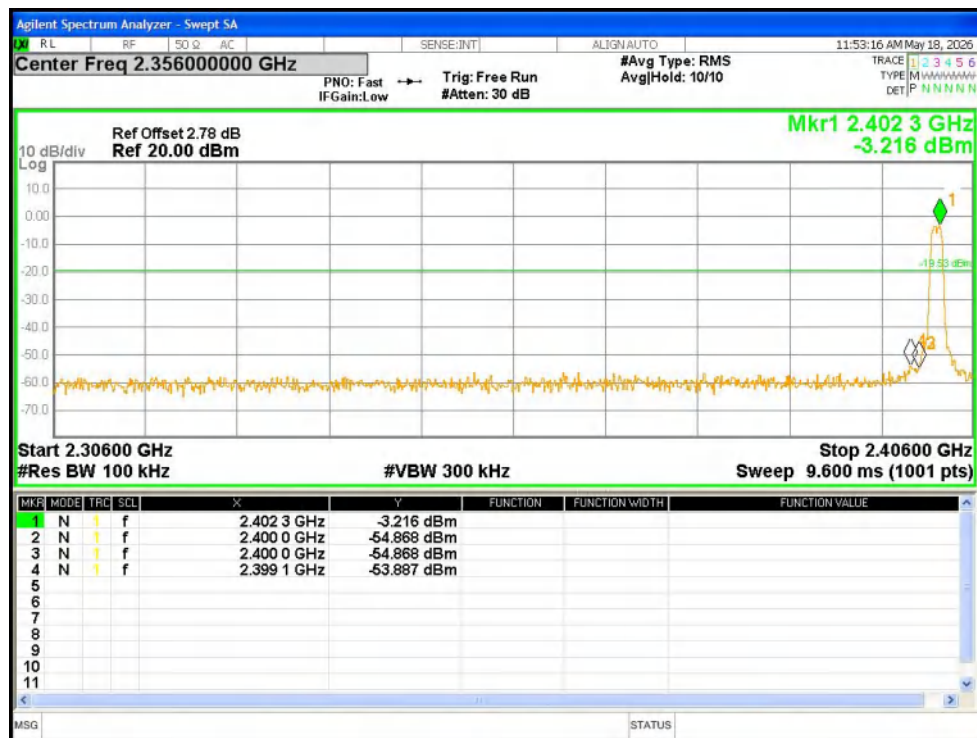


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

# Report



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

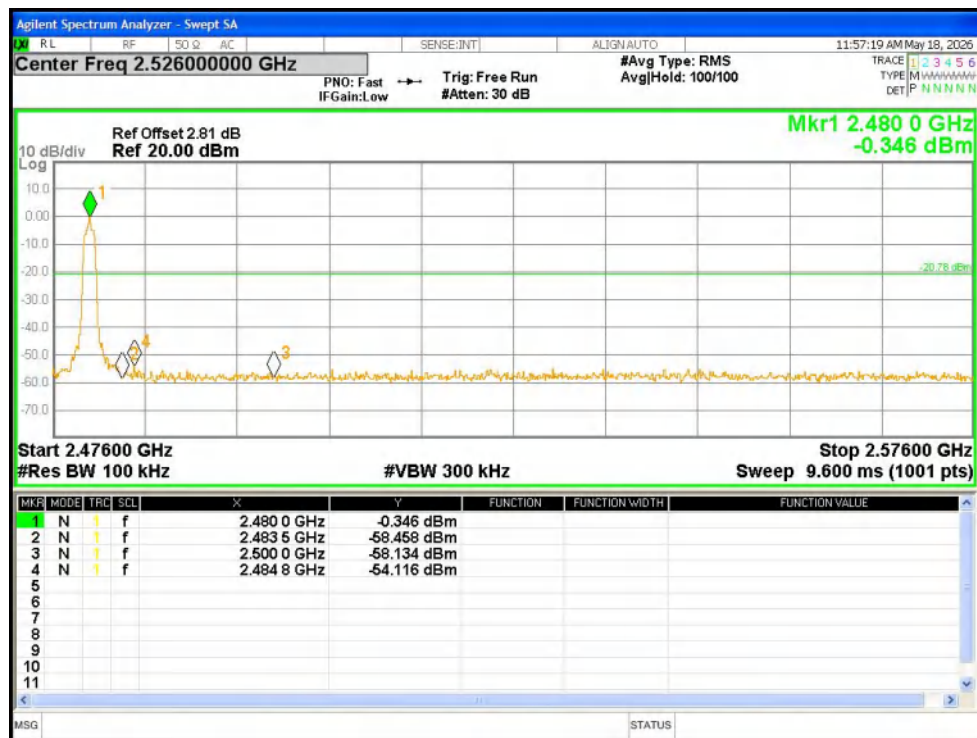


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

# Report



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

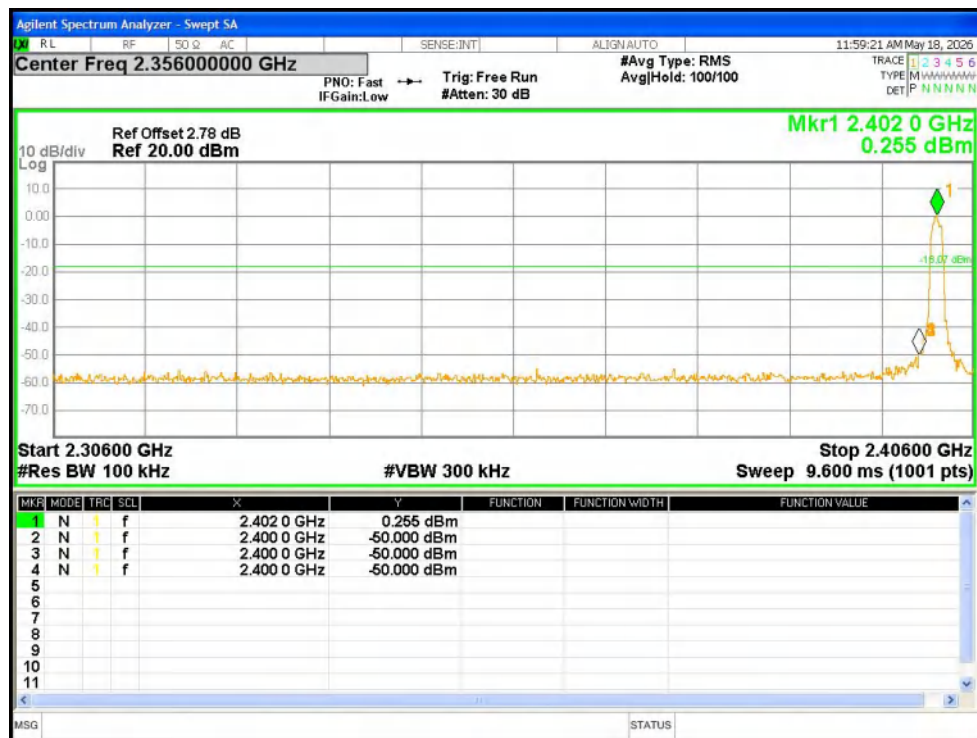


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

# Report



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

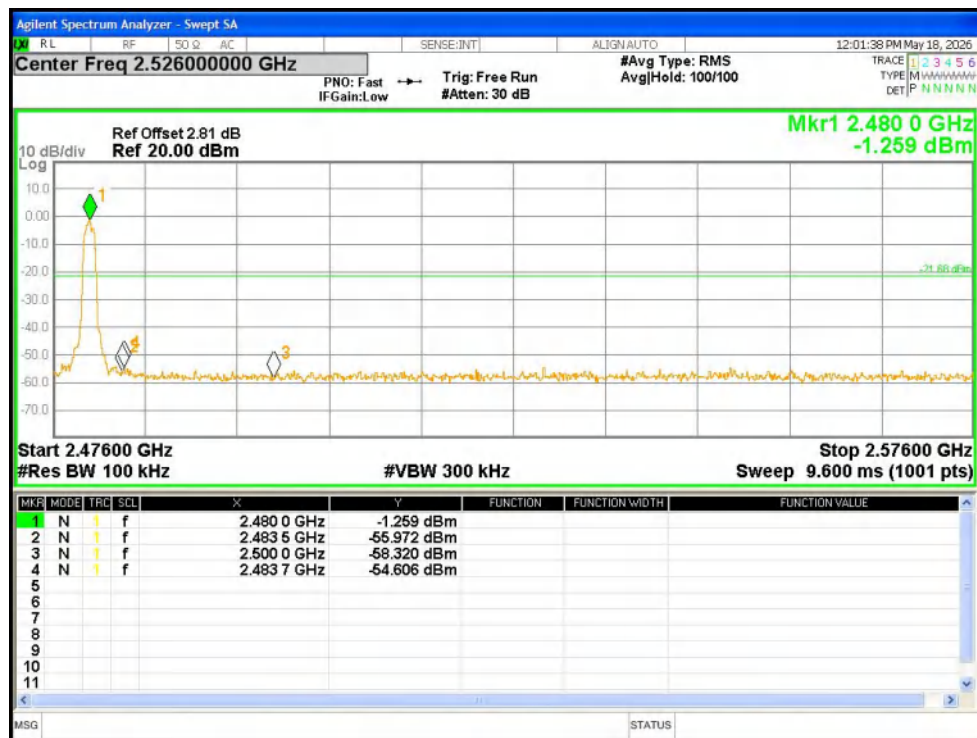


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

# Report



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



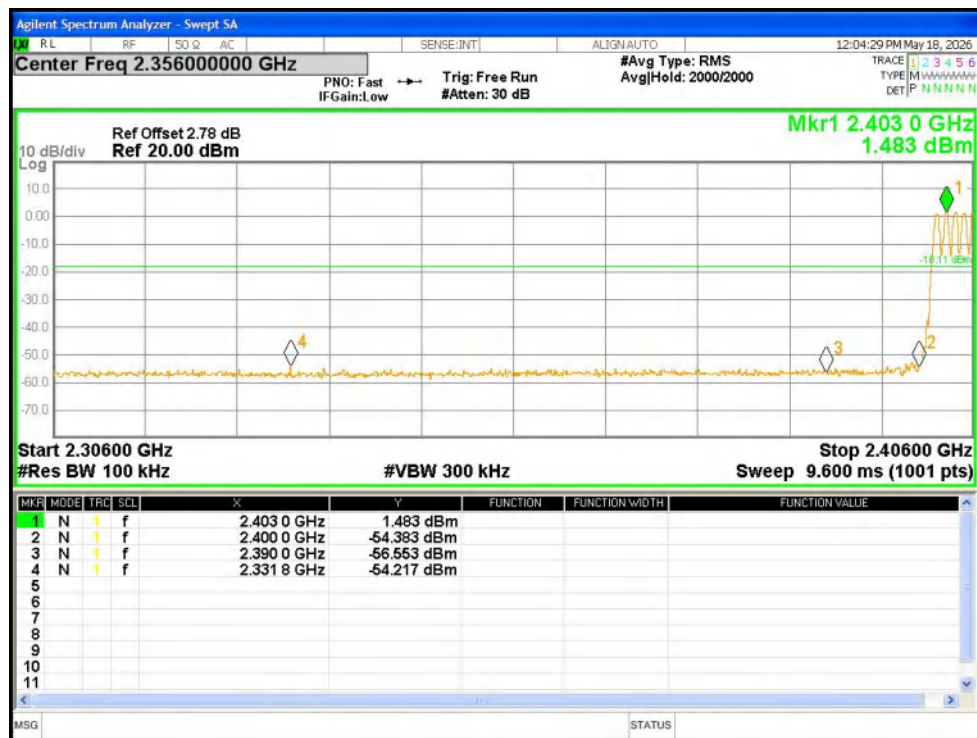
Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

## 7. Band Edge(Hopping)

| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | Hopping      | -56.1           | -20         | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | Hopping      | -54.78          | -20         | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | Hopping      | -56.41          | -20         | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | Hopping      | -54.77          | -20         | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | Hopping      | -54.46          | -20         | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | Hopping      | -53.94          | -20         | Pass    |



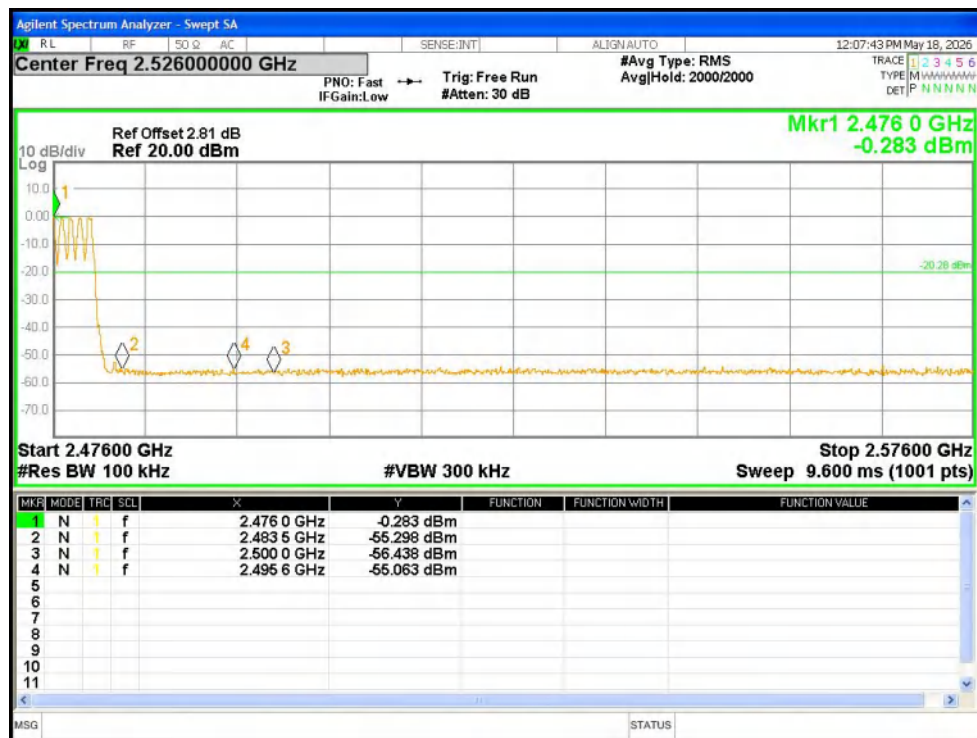
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



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

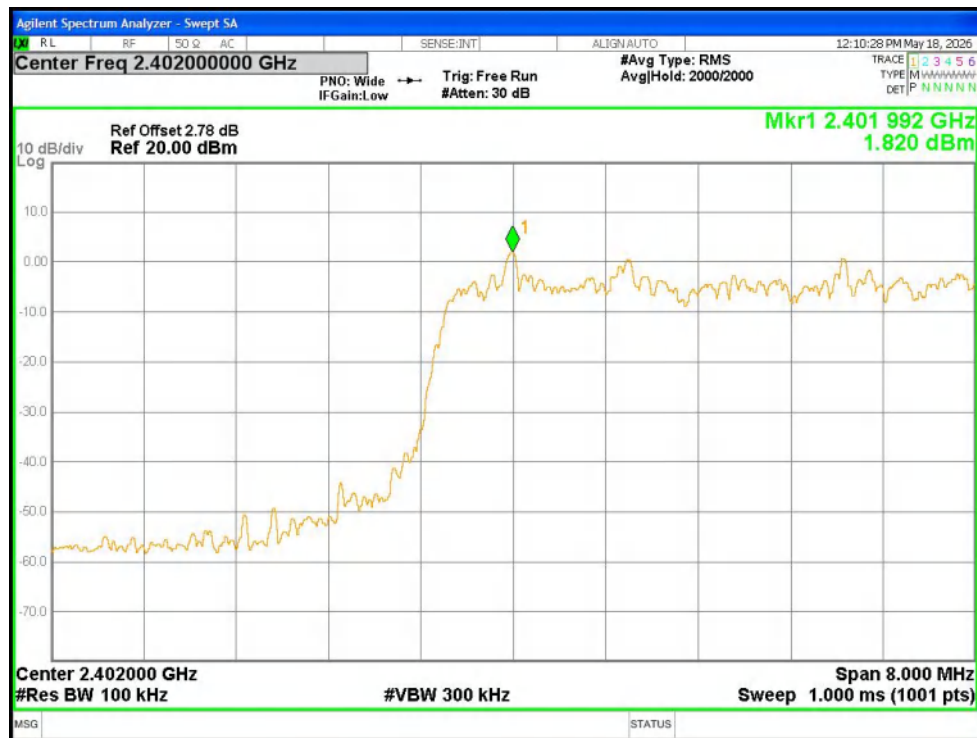


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

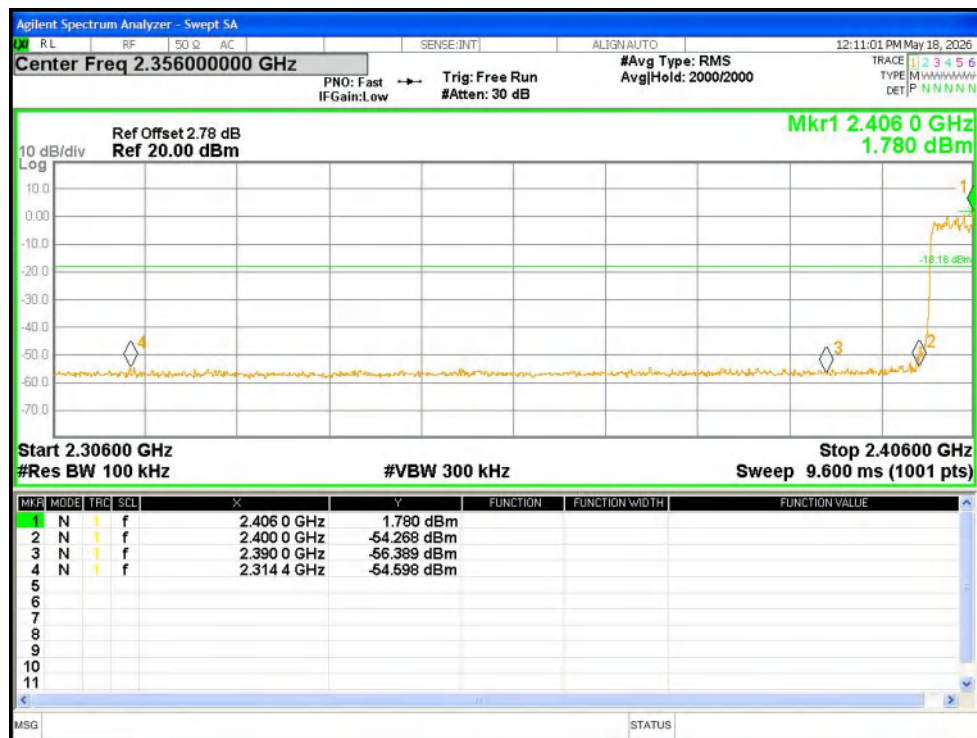


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

# Report



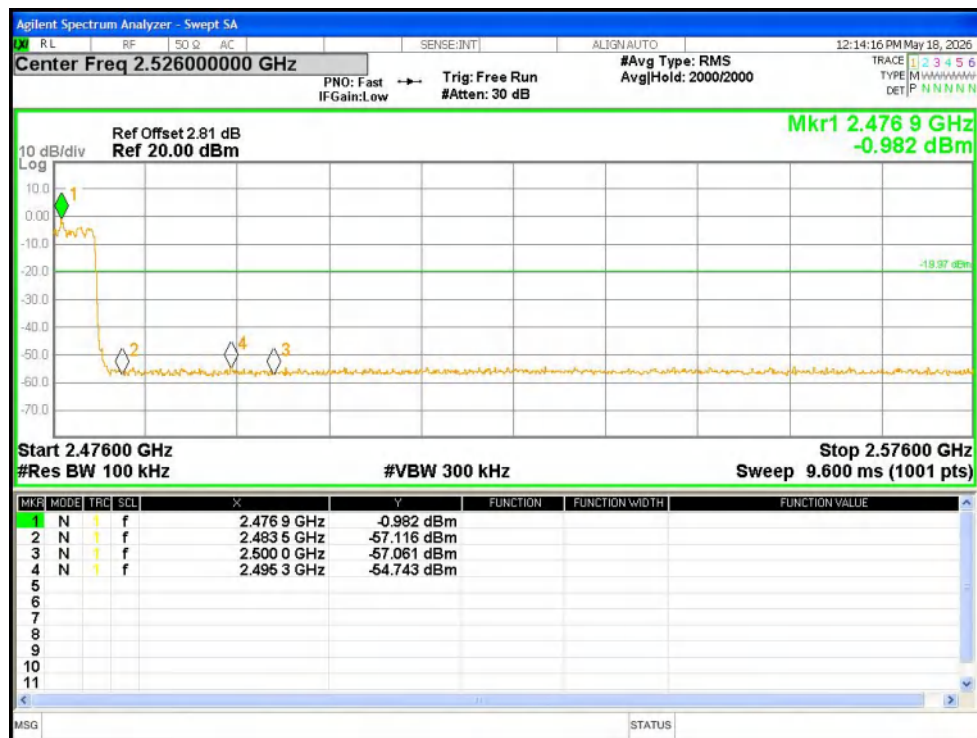
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



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



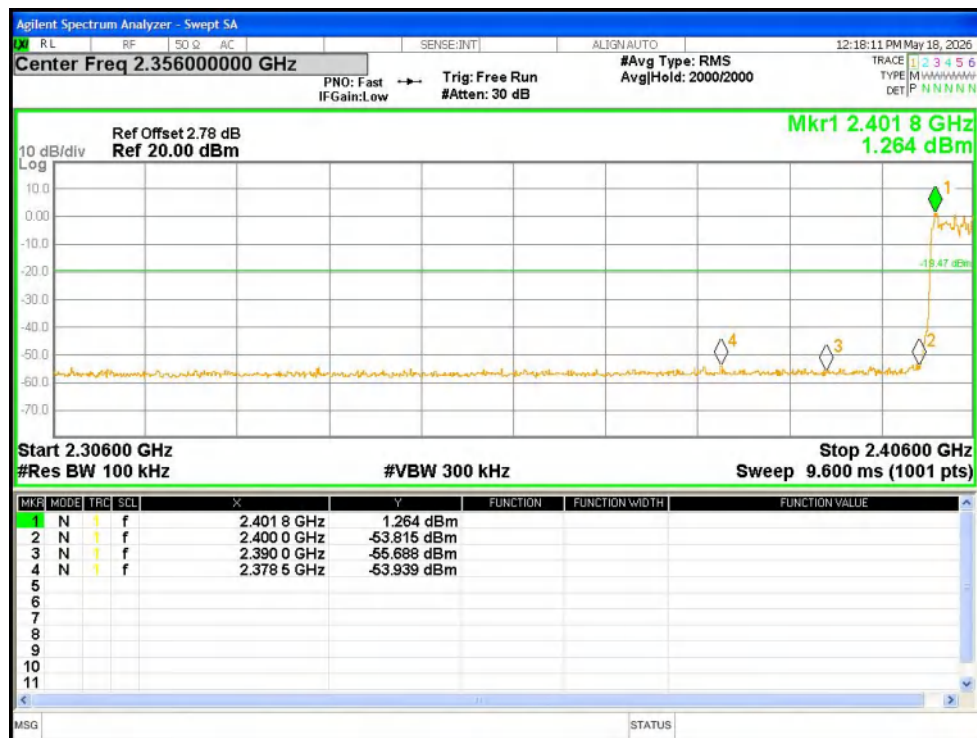
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



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



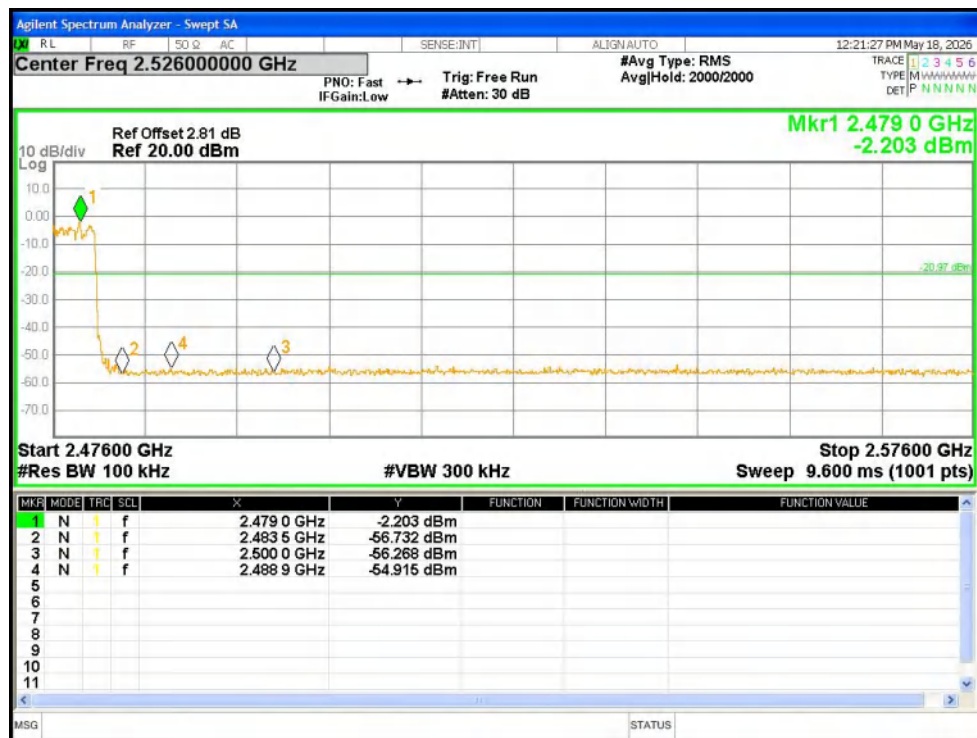
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



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



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



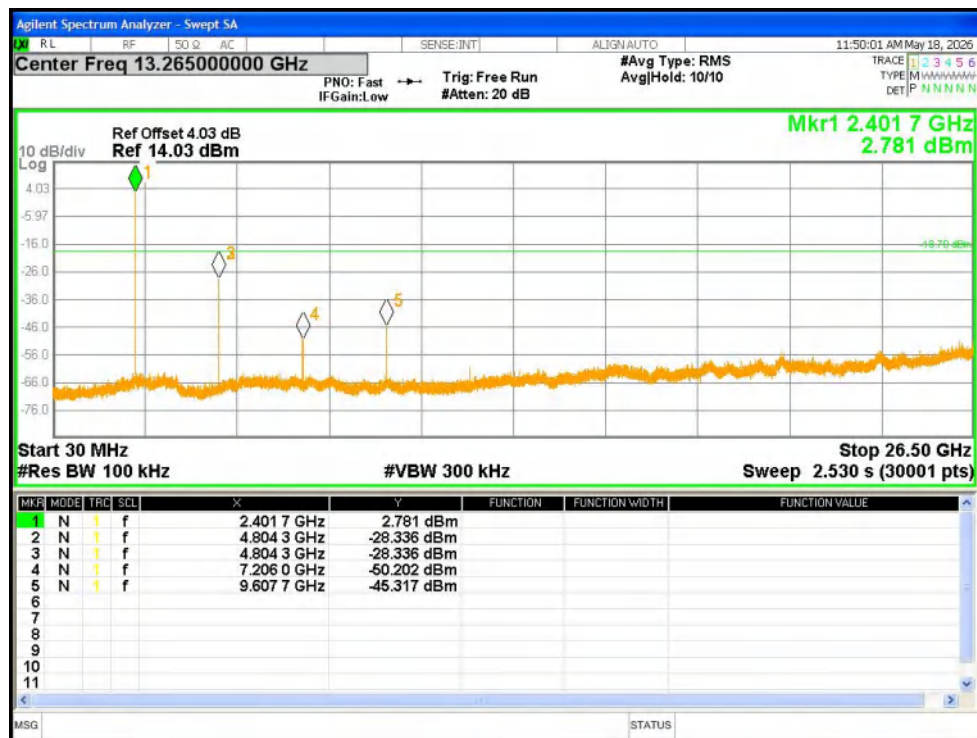
Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission

## 8. Conducted RF Spurious Emission

| Condition | Mode  | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | -29.63          | -20         | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | -29.54          | -20         | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | -31.1           | -20         | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | -29.11          | -20         | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | -33             | -20         | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | -35.06          | -20         | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | -32.24          | -20         | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | -33.77          | -20         | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | -31.69          | -20         | Pass    |

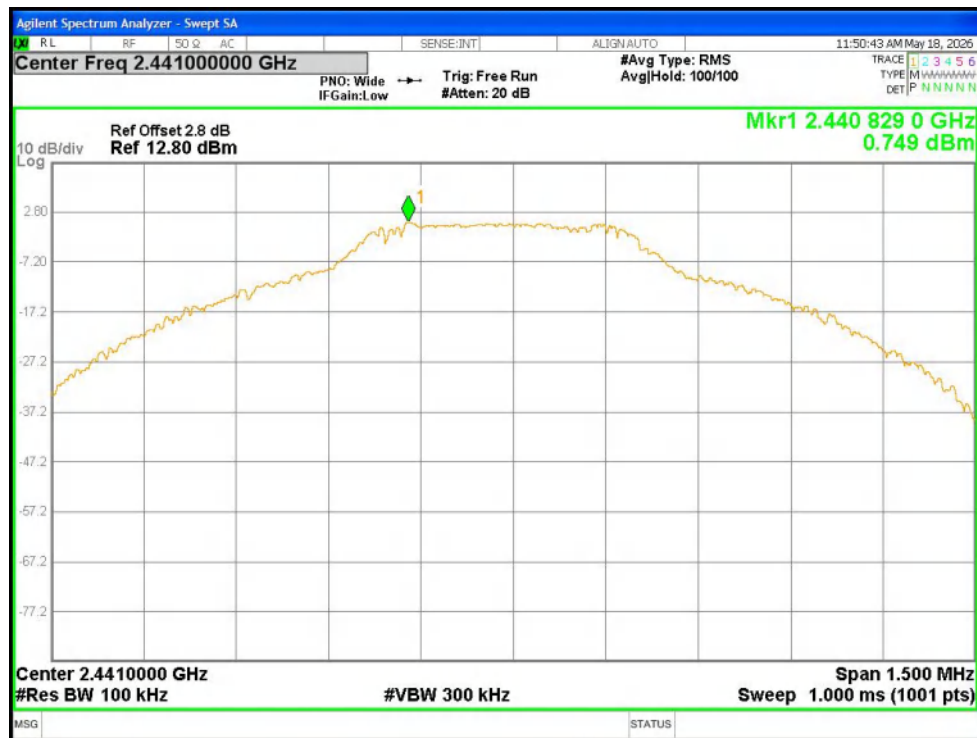


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

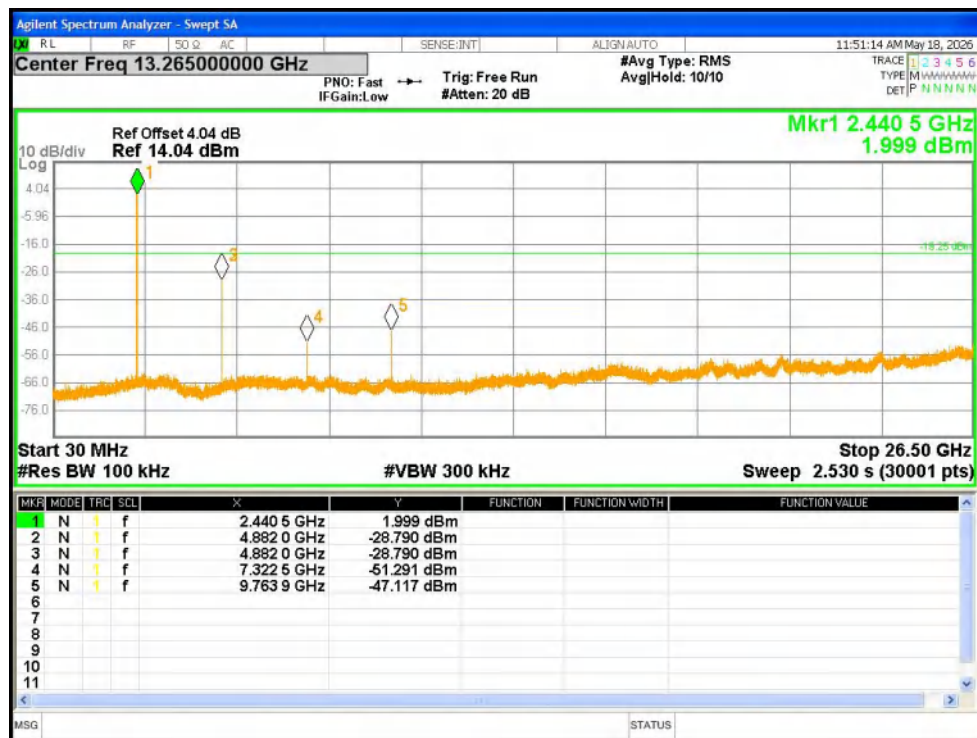


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

## Report



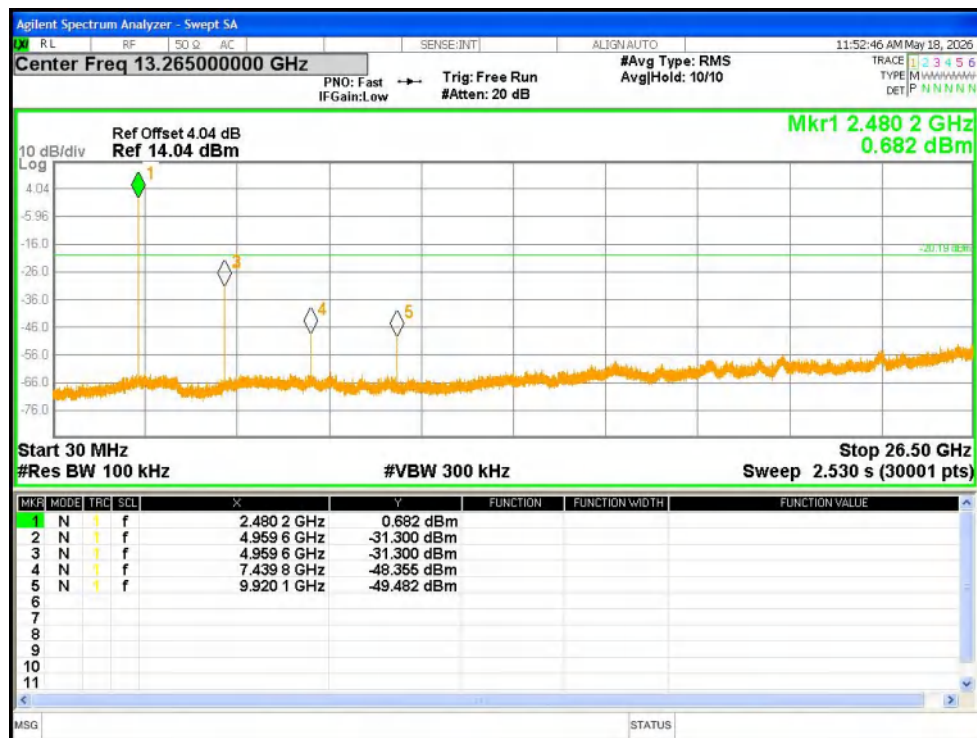
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



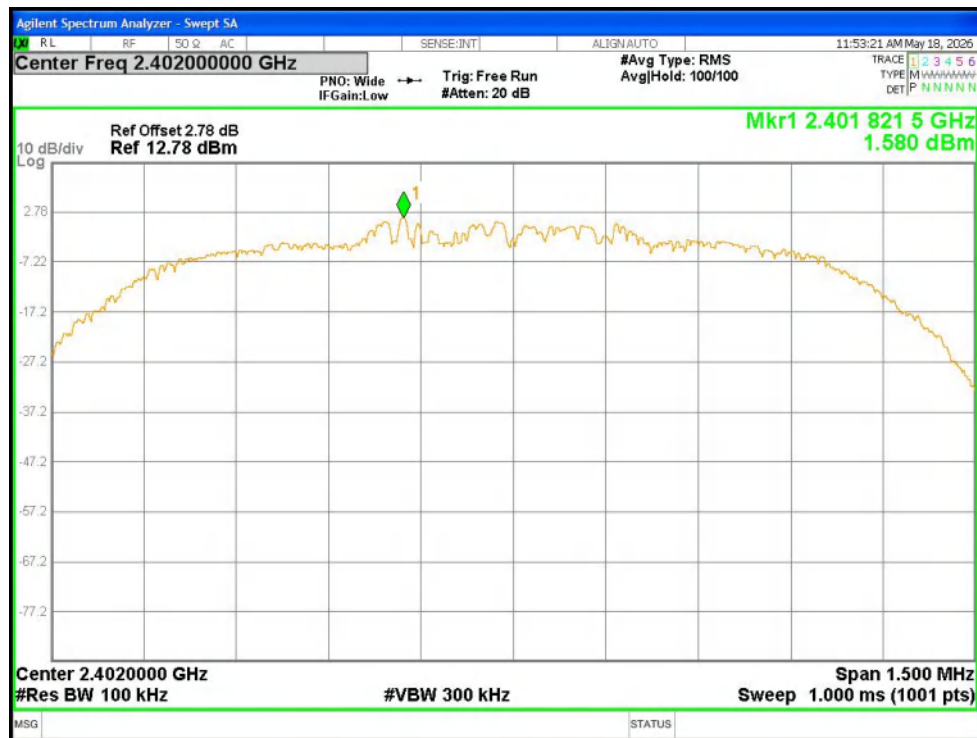
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



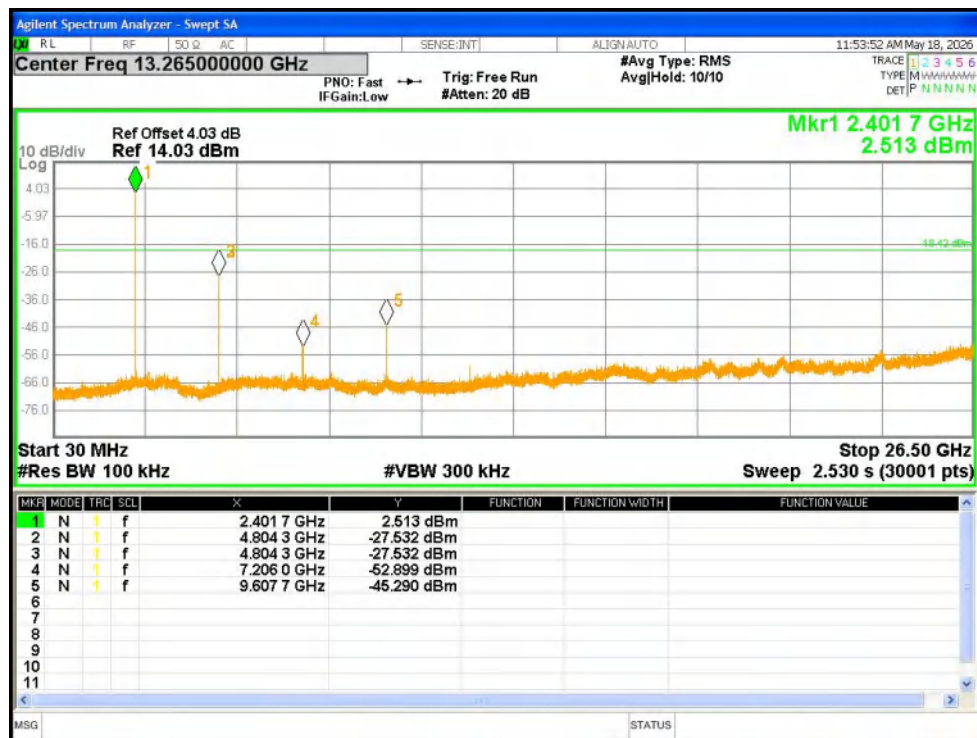
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



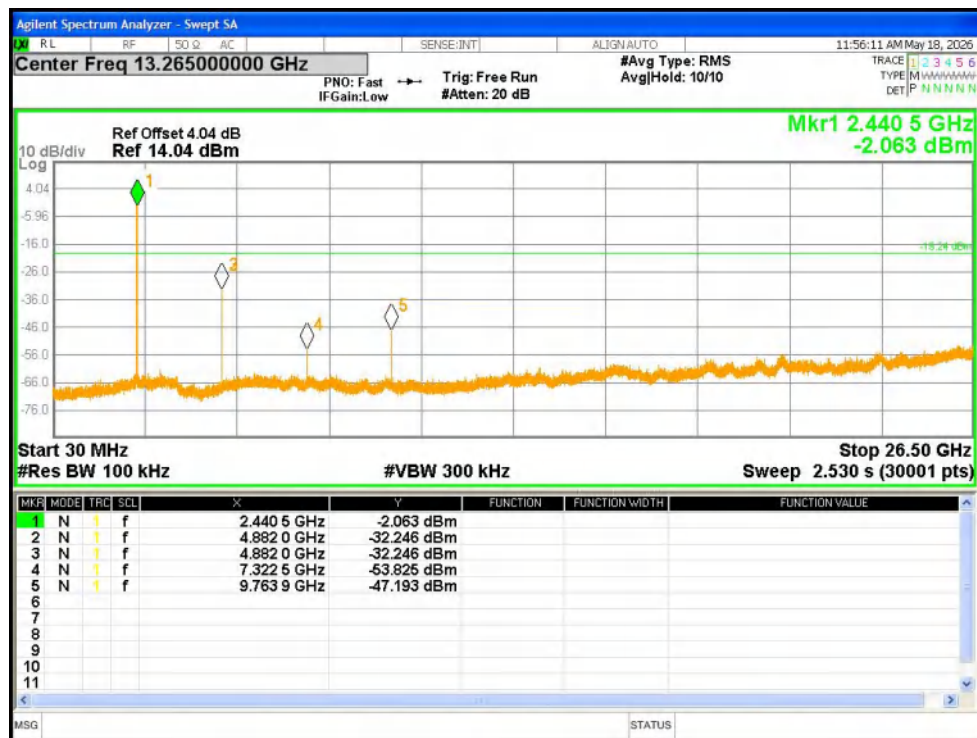
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



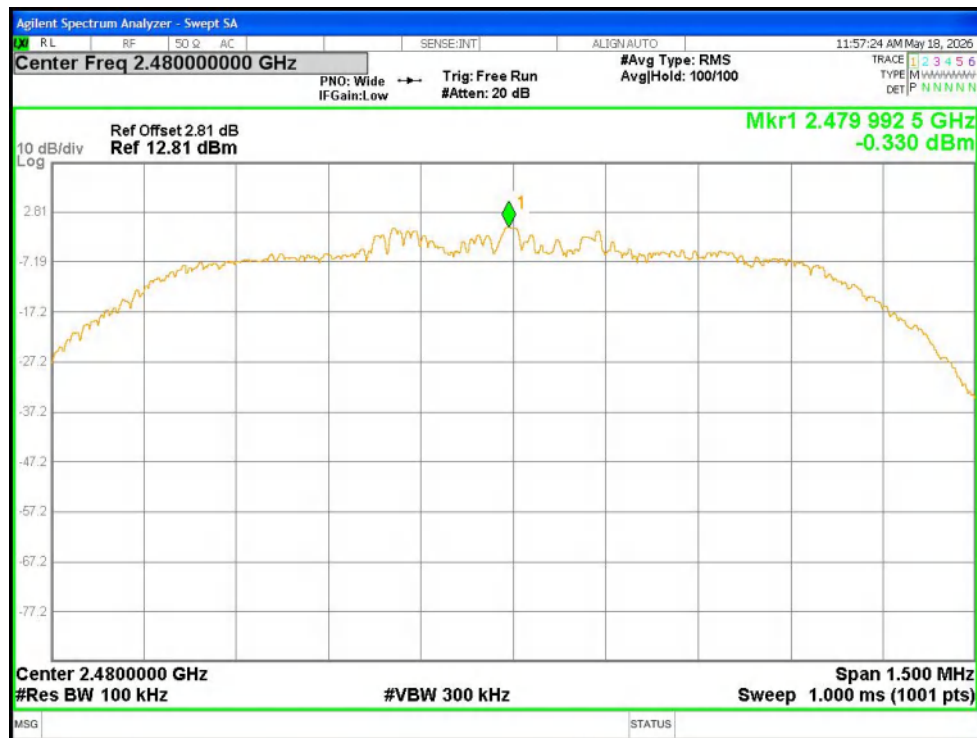
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



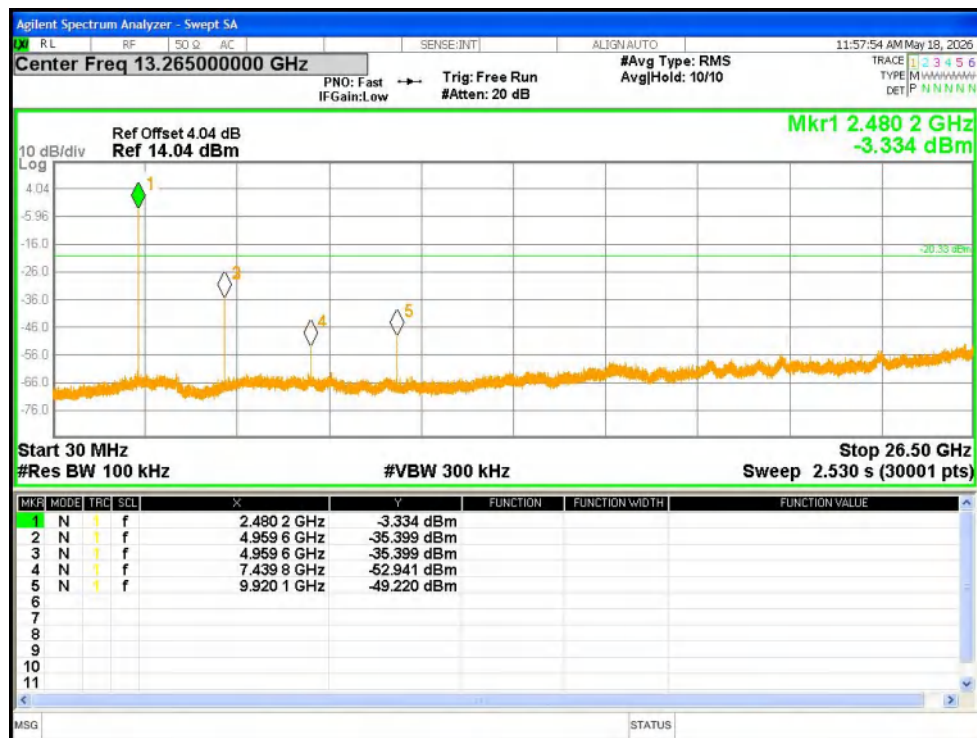
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



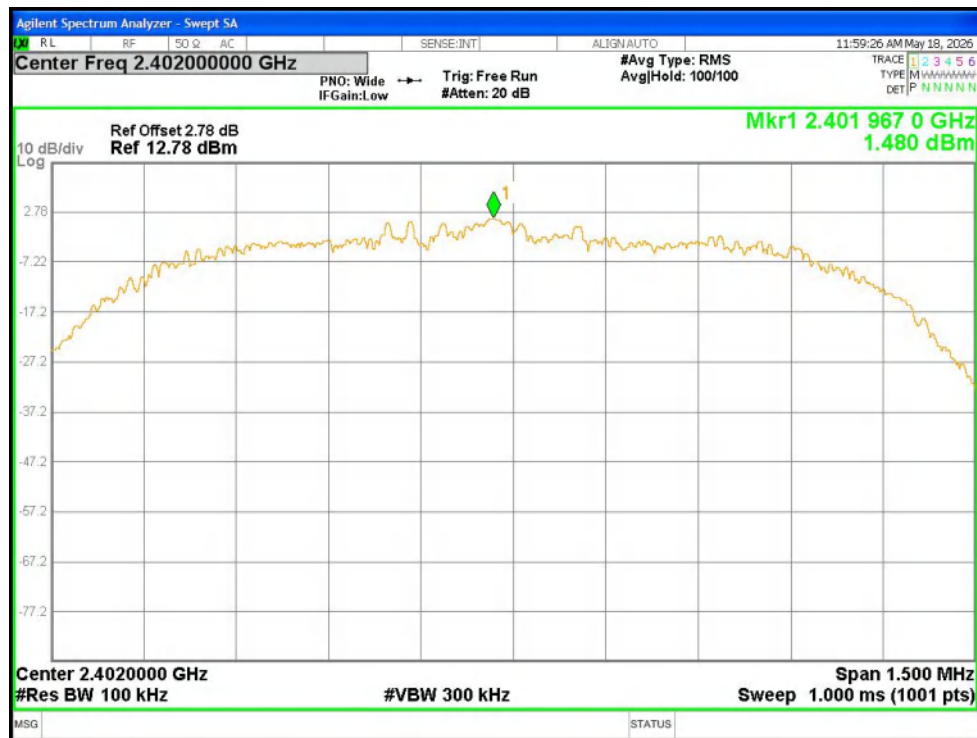
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



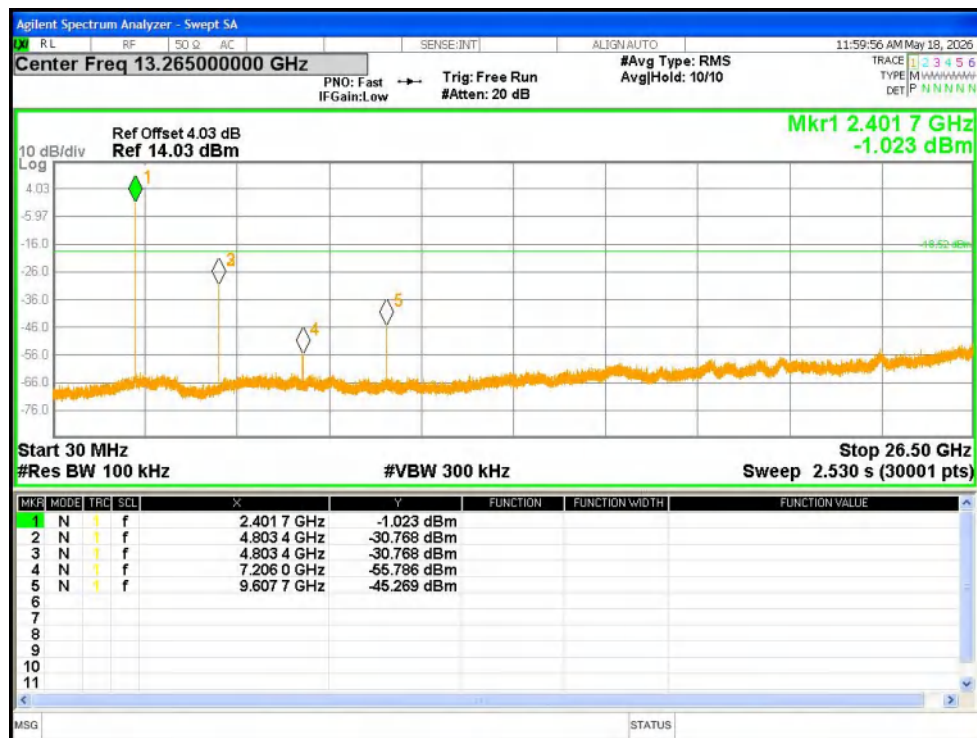
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



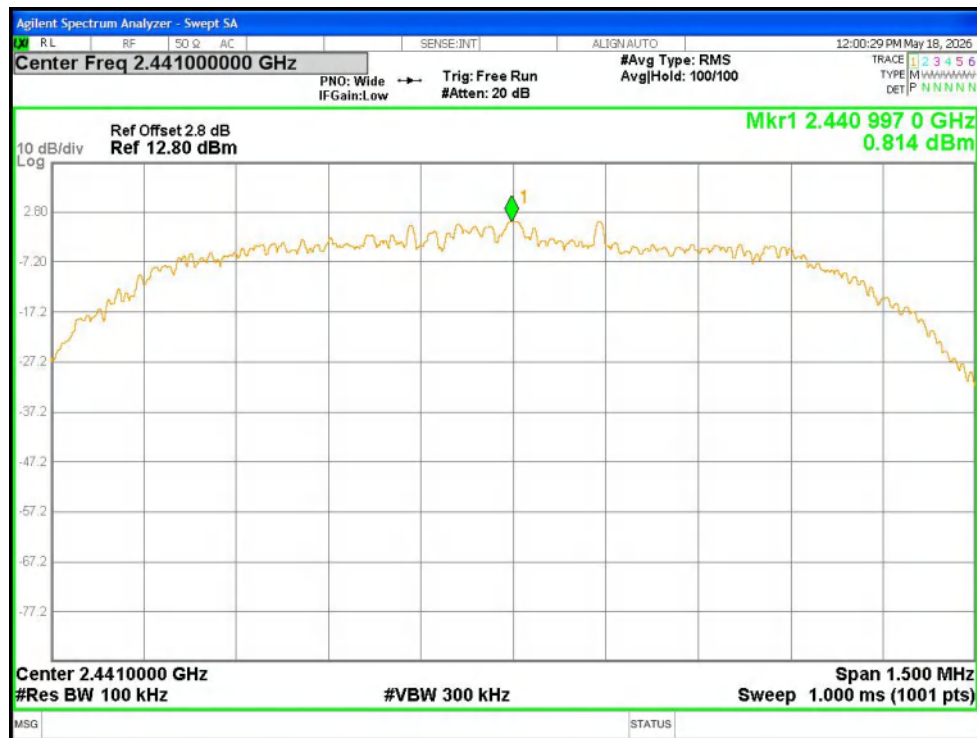
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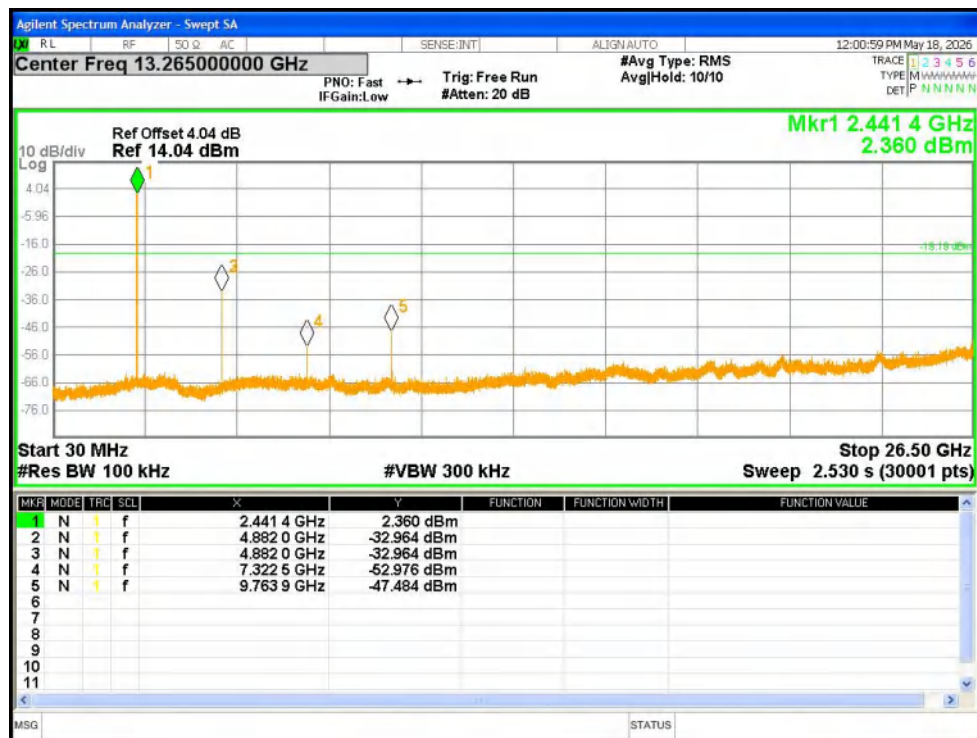
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



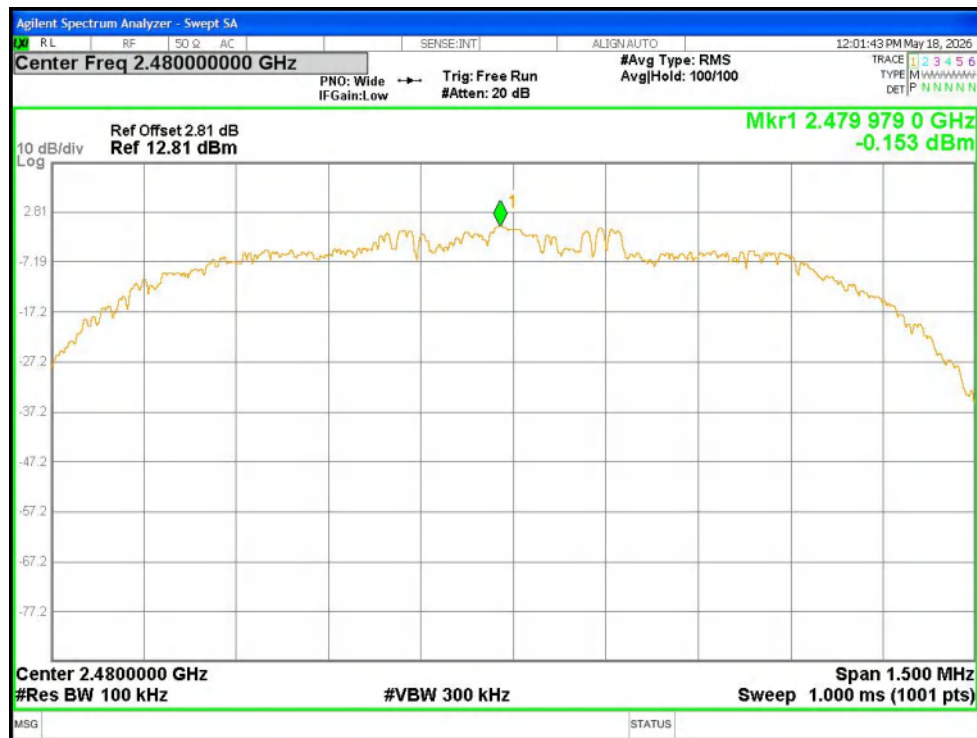
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



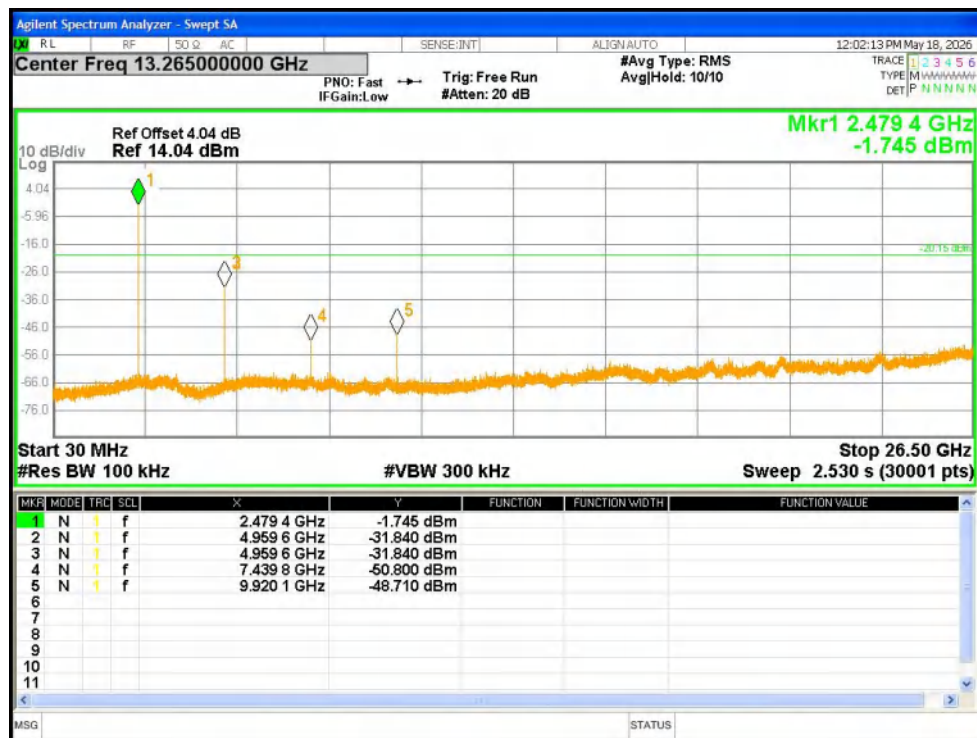
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission