

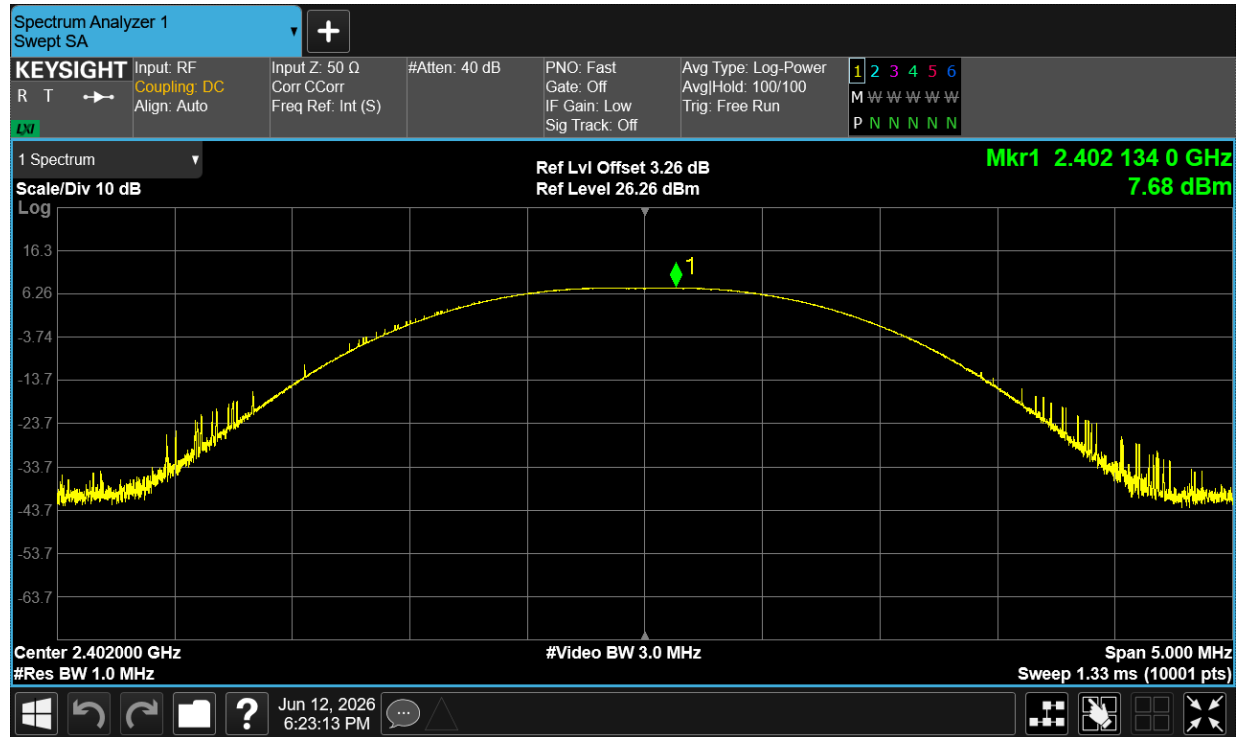
## Test Data

### Maximum Conducted Output Power

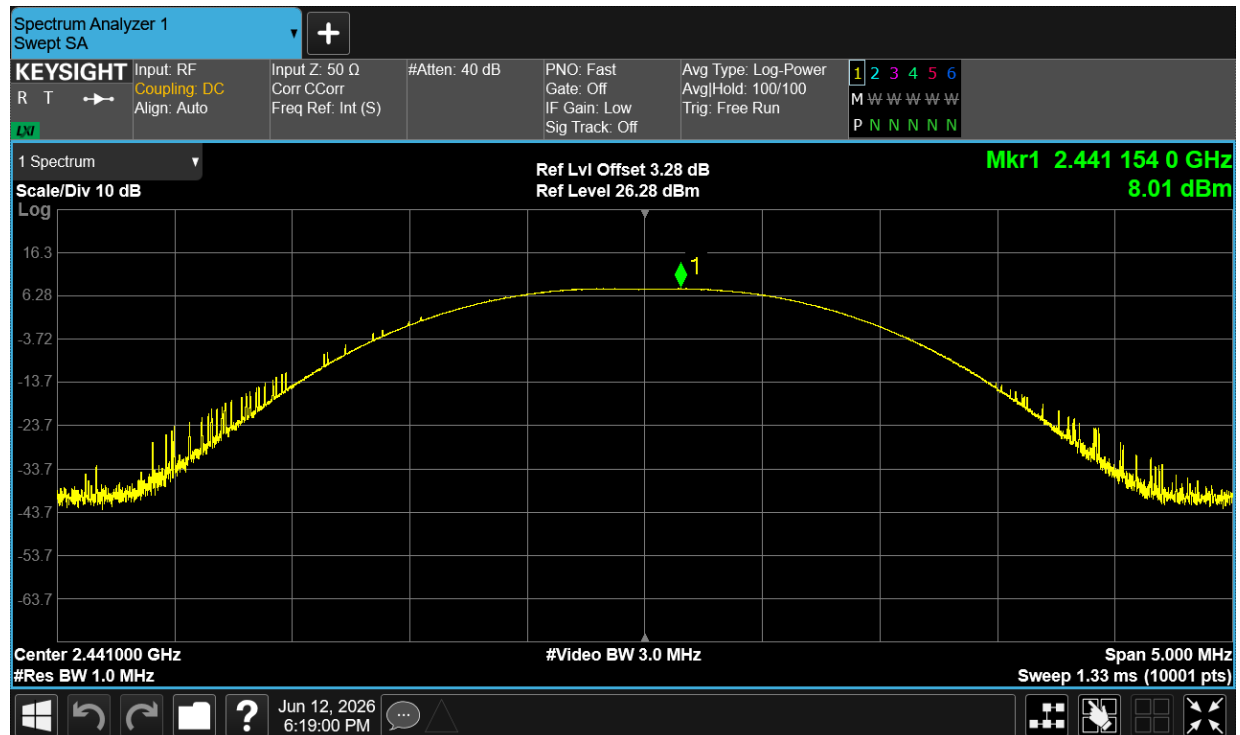
| Condition | Mode  | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|-------|-----------------|---------|-----------------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 7.68                  | 30          | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | 8.009                 | 30          | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | 7.332                 | 30          | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | 7.411                 | 21          | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 7.501                 | 21          | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | 7.924                 | 21          | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | 7.807                 | 21          | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 7.782                 | 21          | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | 8.491                 | 21          | Pass    |

## Test Graphs

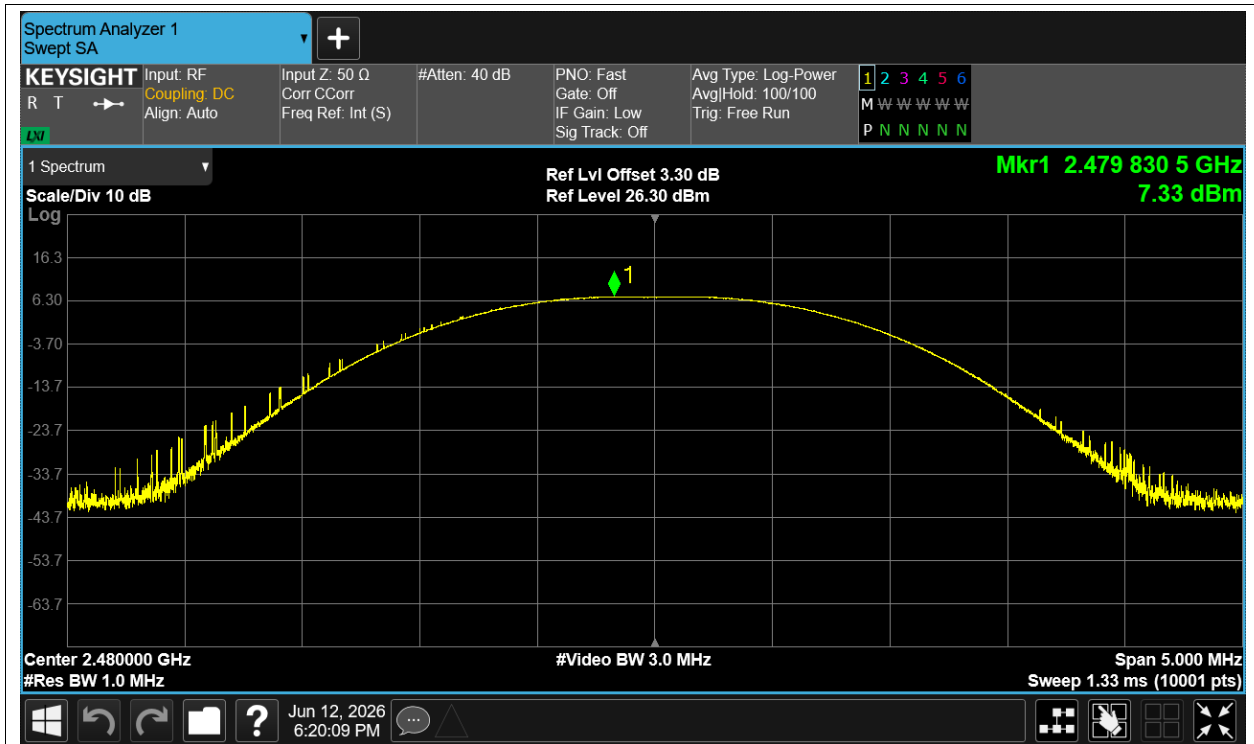
### Power NVNT 1-DH1 2402MHz Ant1



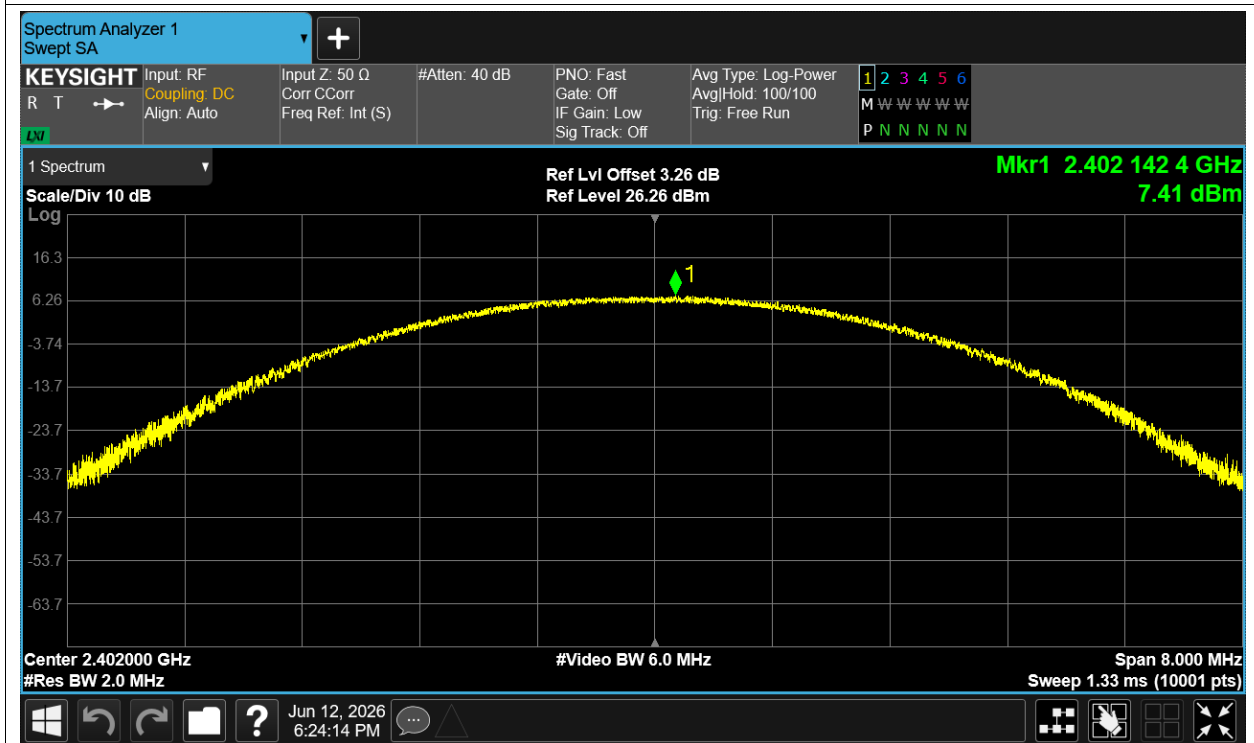
### Power NVNT 1-DH1 2441MHz Ant1



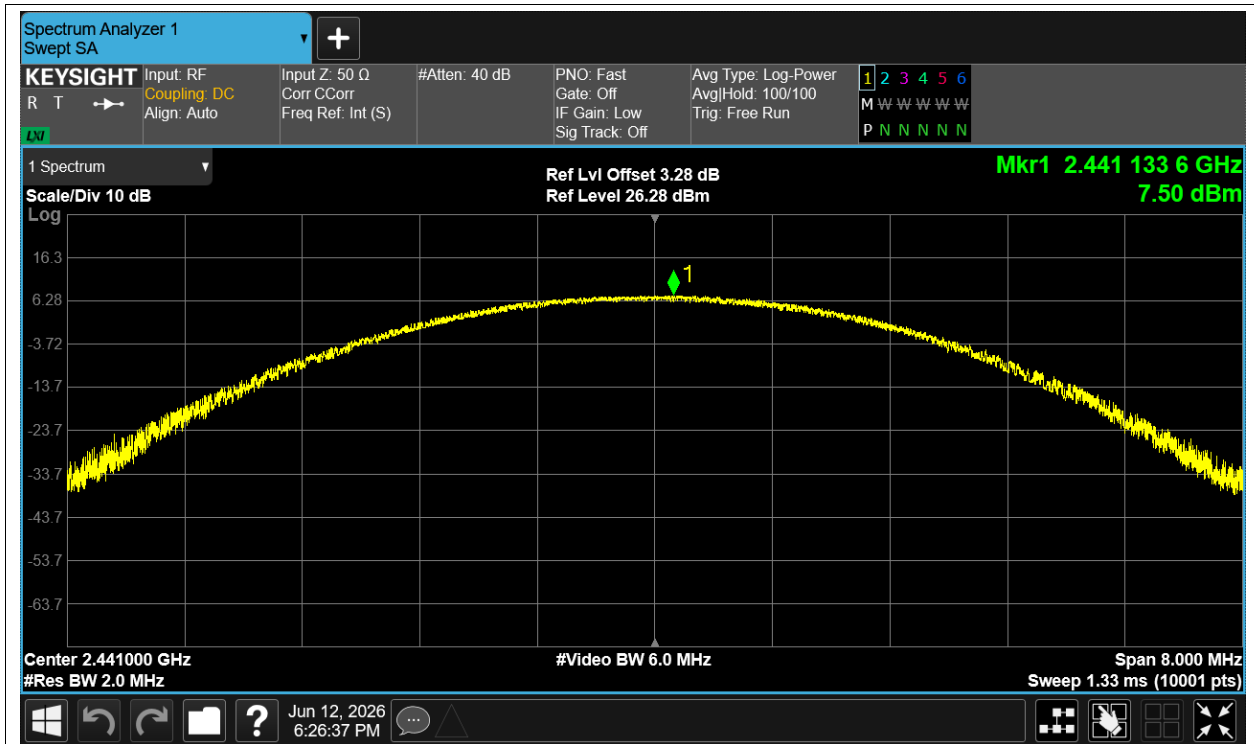
### Power NVNT 1-DH1 2480MHz Ant1



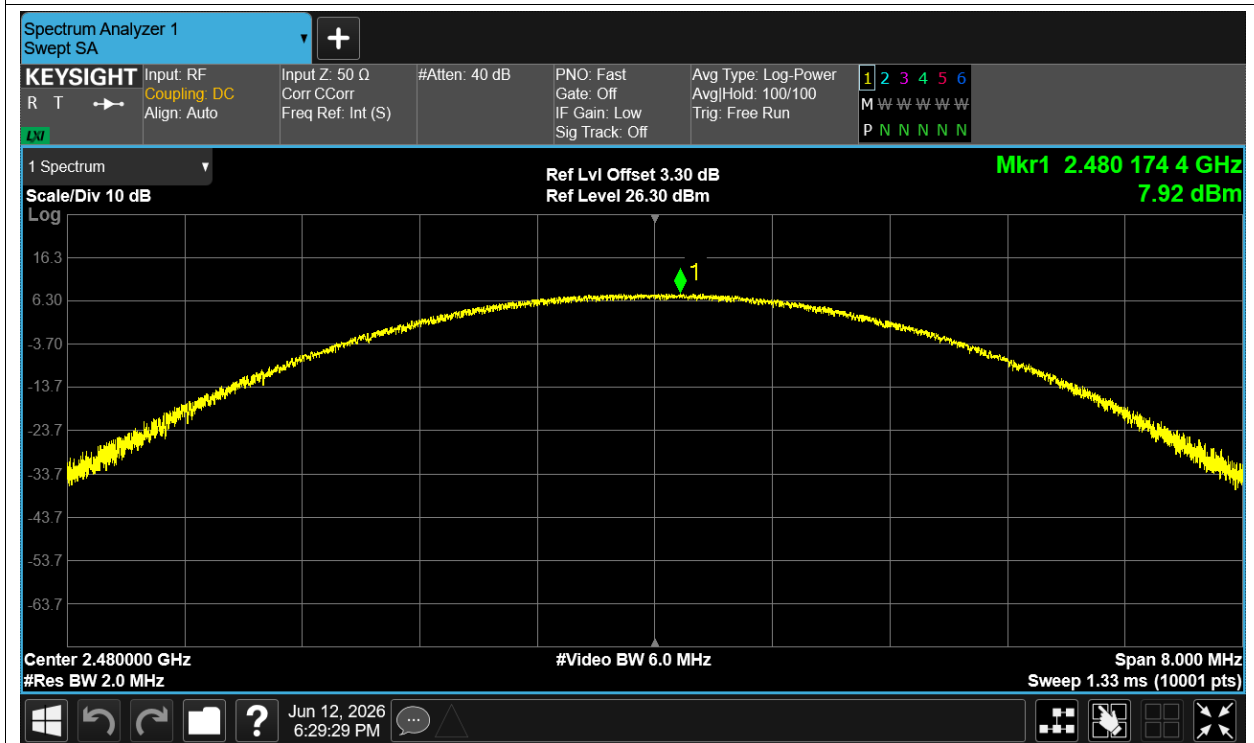
Power NVNT 2-DH1 2402MHz Ant1



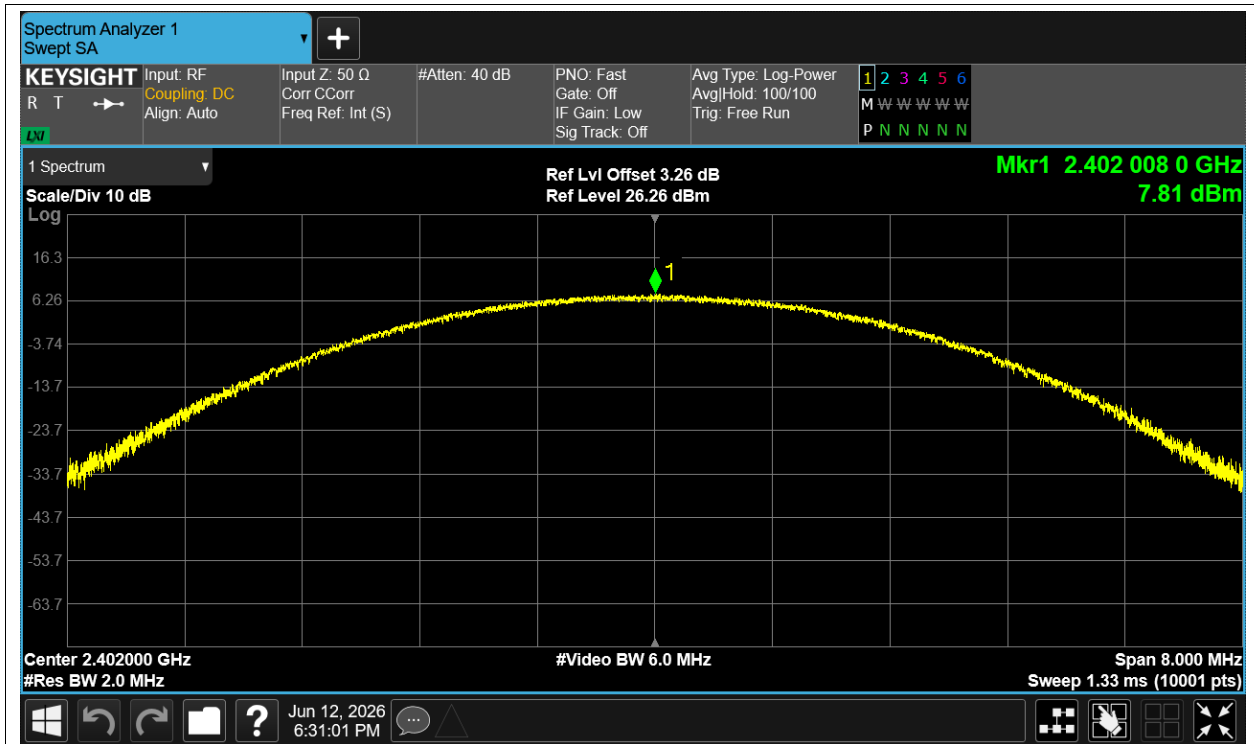
Power NVNT 2-DH1 2441MHz Ant1



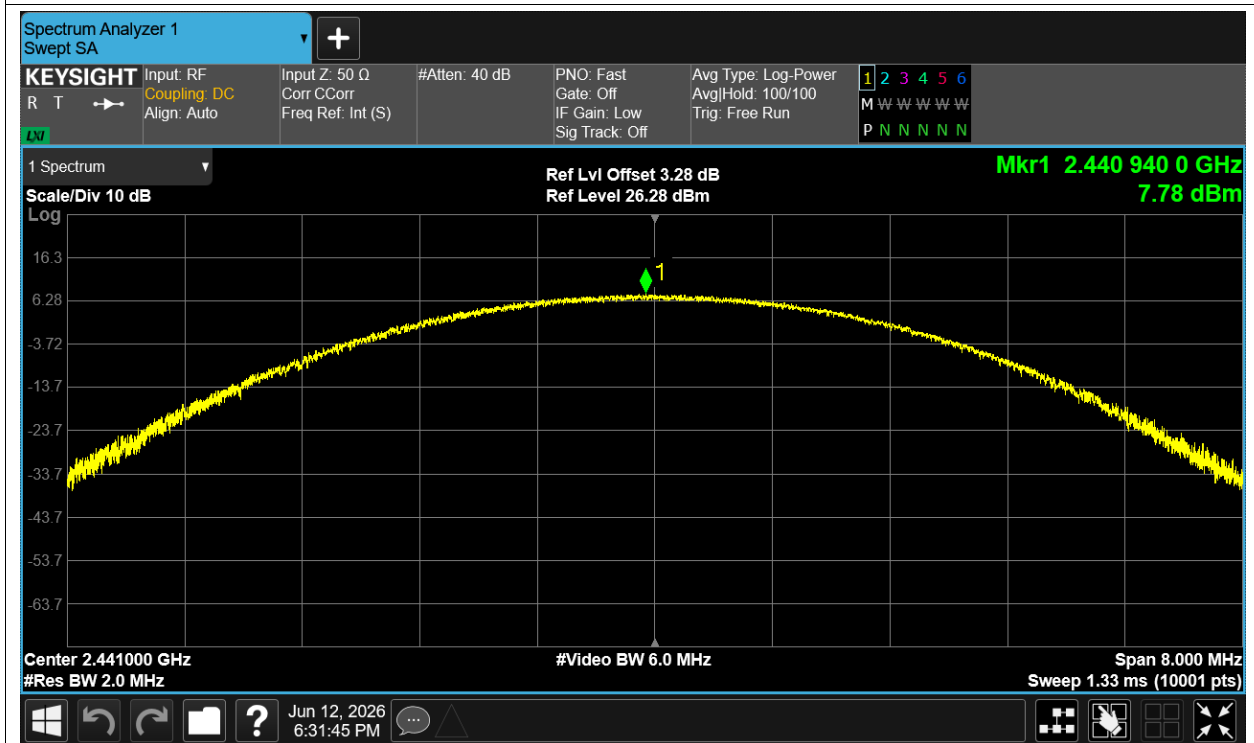
Power NVNT 2-DH1 2480MHz Ant1



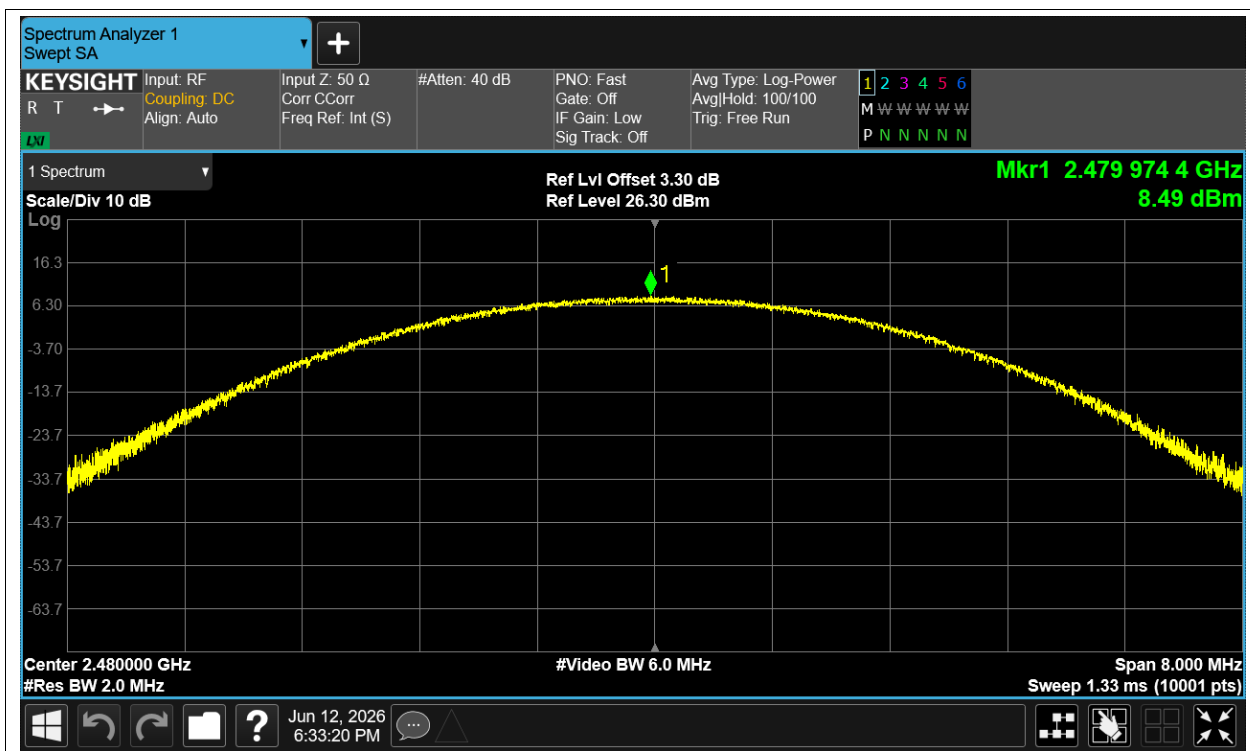
Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1



Power NVNT 3-DH1 2480MHz Ant1

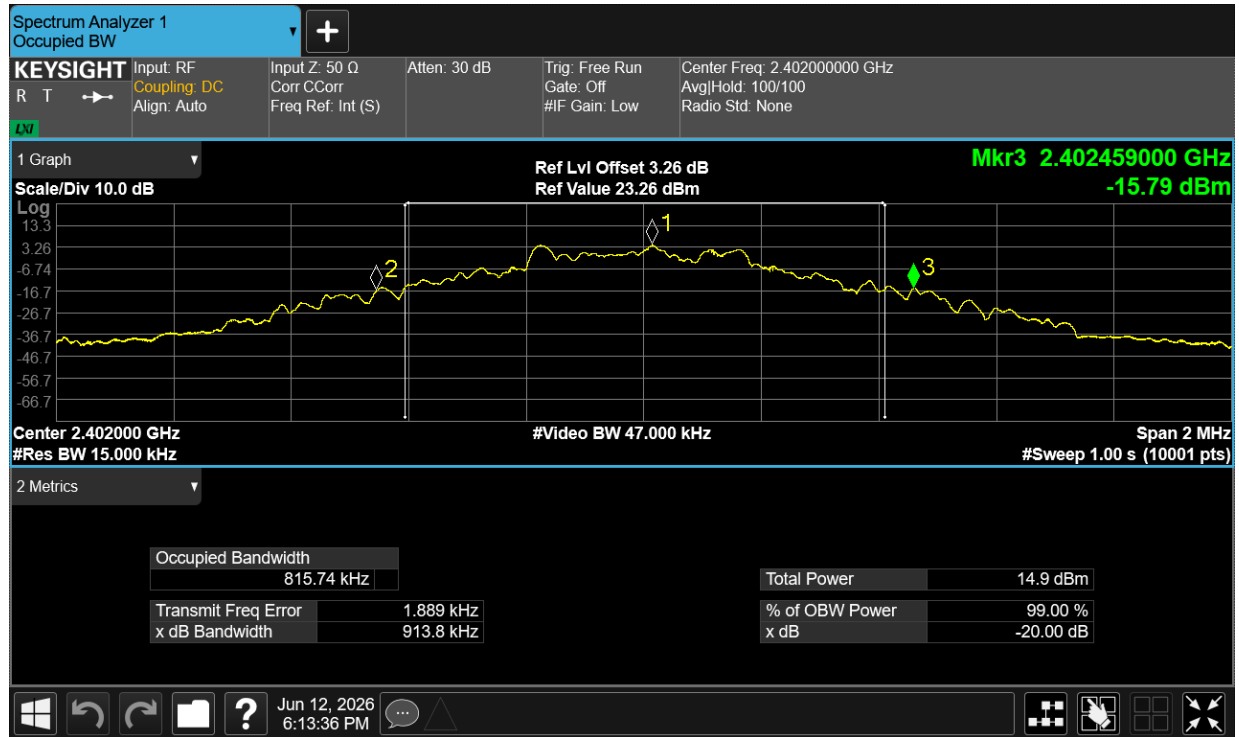


## -20dB Bandwidth

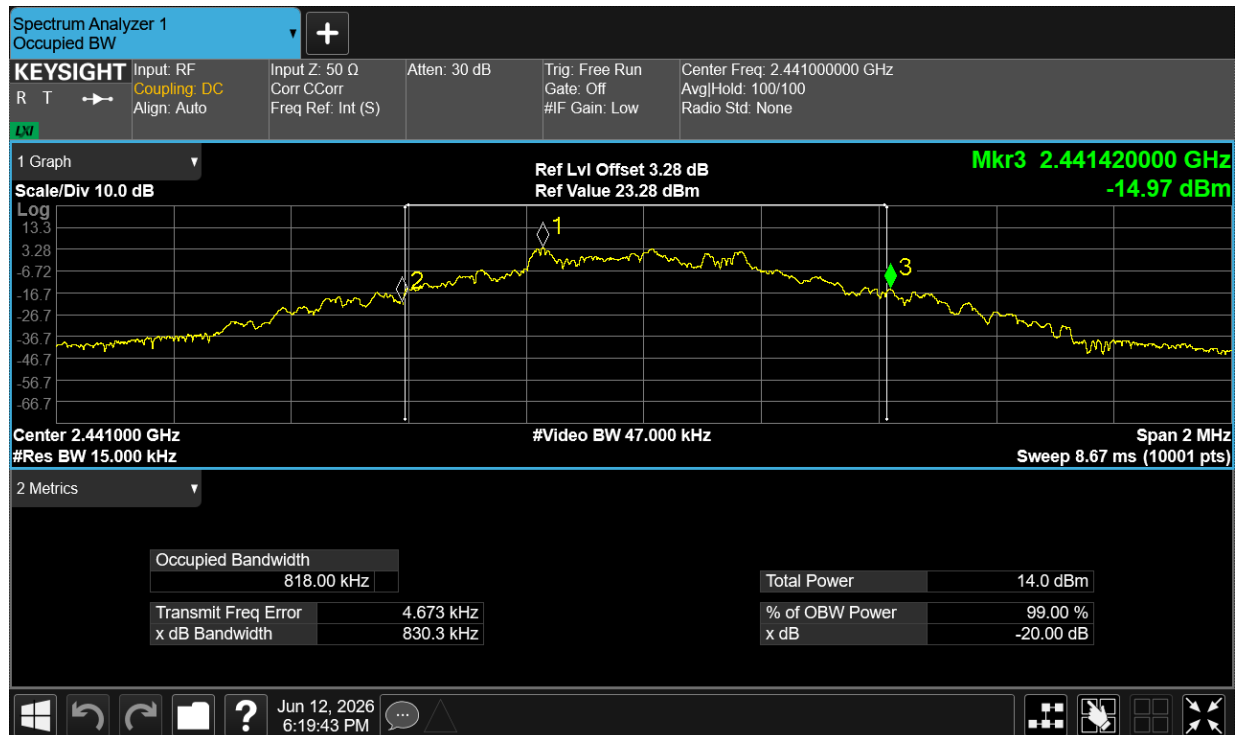
| Condition | Mode  | Frequency (MHz) | Antenna | -20 dB Bandwidth (MHz) |
|-----------|-------|-----------------|---------|------------------------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 0.914                  |
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.83                   |
| NVNT      | 1-DH1 | 2480            | Ant1    | 0.877                  |
| NVNT      | 2-DH1 | 2402            | Ant1    | 1.276                  |
| NVNT      | 2-DH1 | 2441            | Ant1    | 1.253                  |
| NVNT      | 2-DH1 | 2480            | Ant1    | 1.258                  |
| NVNT      | 3-DH1 | 2402            | Ant1    | 1.219                  |
| NVNT      | 3-DH1 | 2441            | Ant1    | 1.222                  |
| NVNT      | 3-DH1 | 2480            | Ant1    | 1.215                  |

## Test Graphs

-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



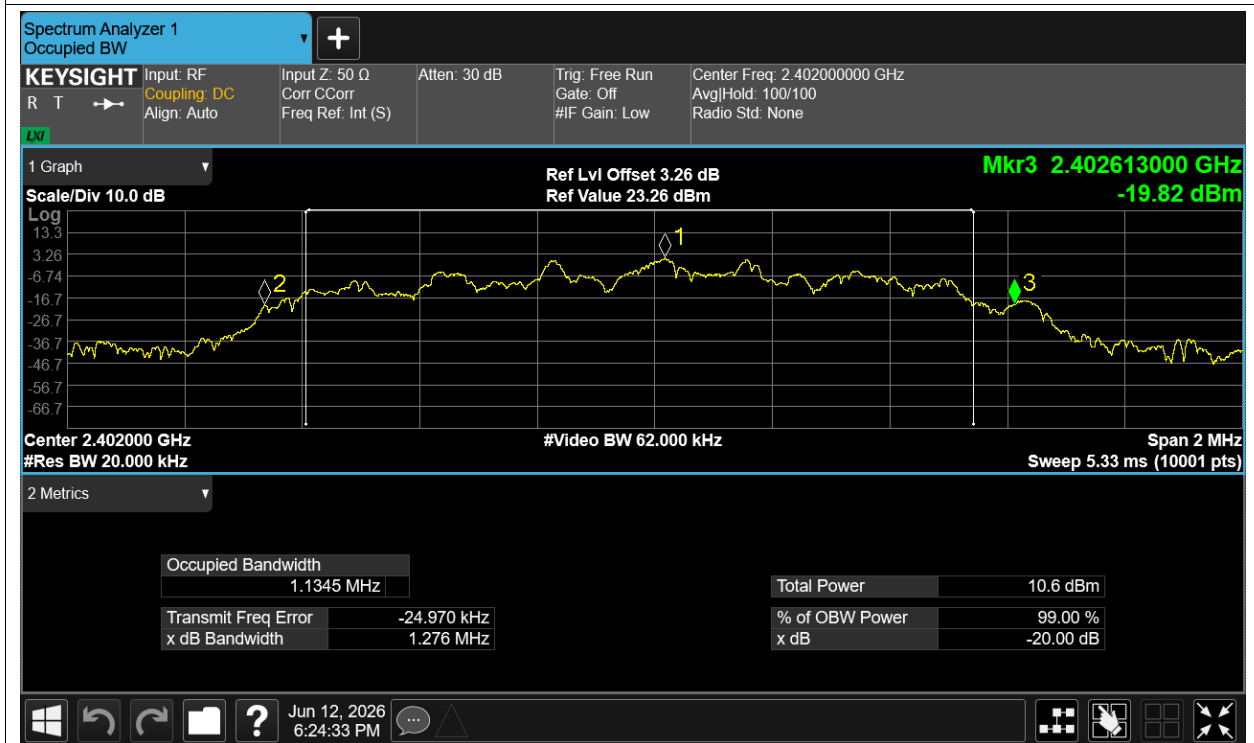
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



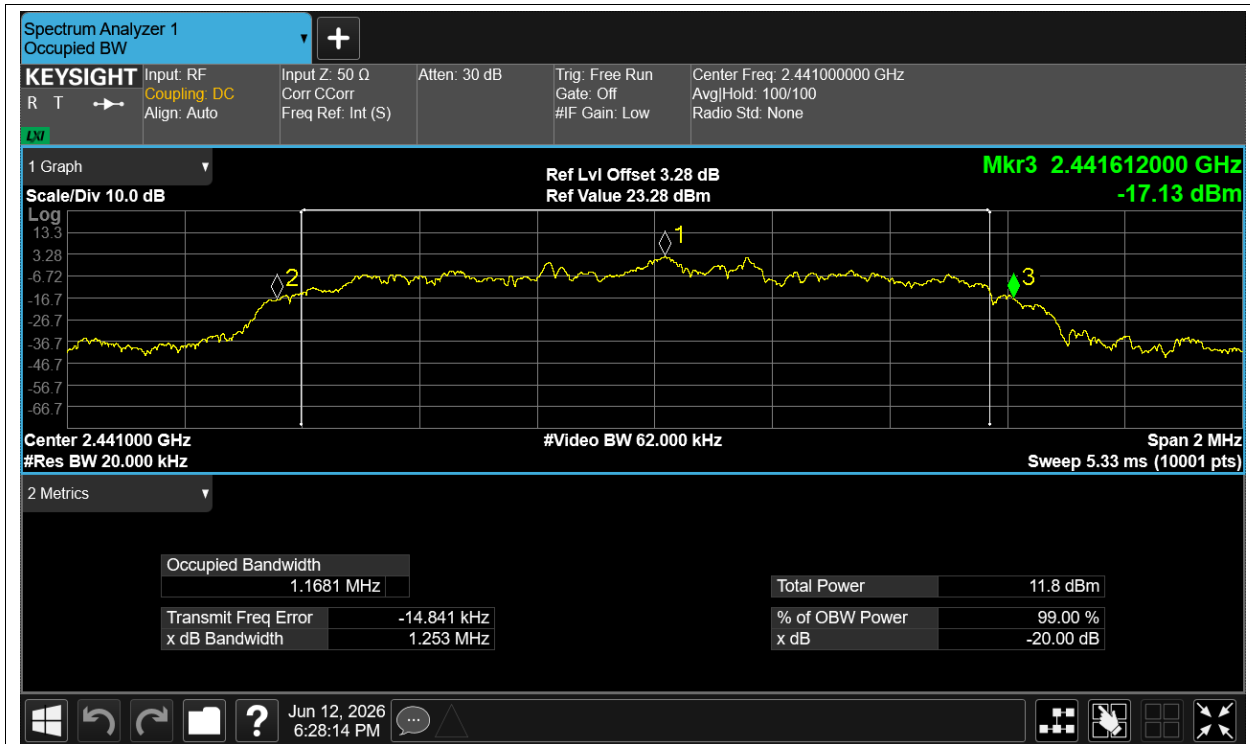
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



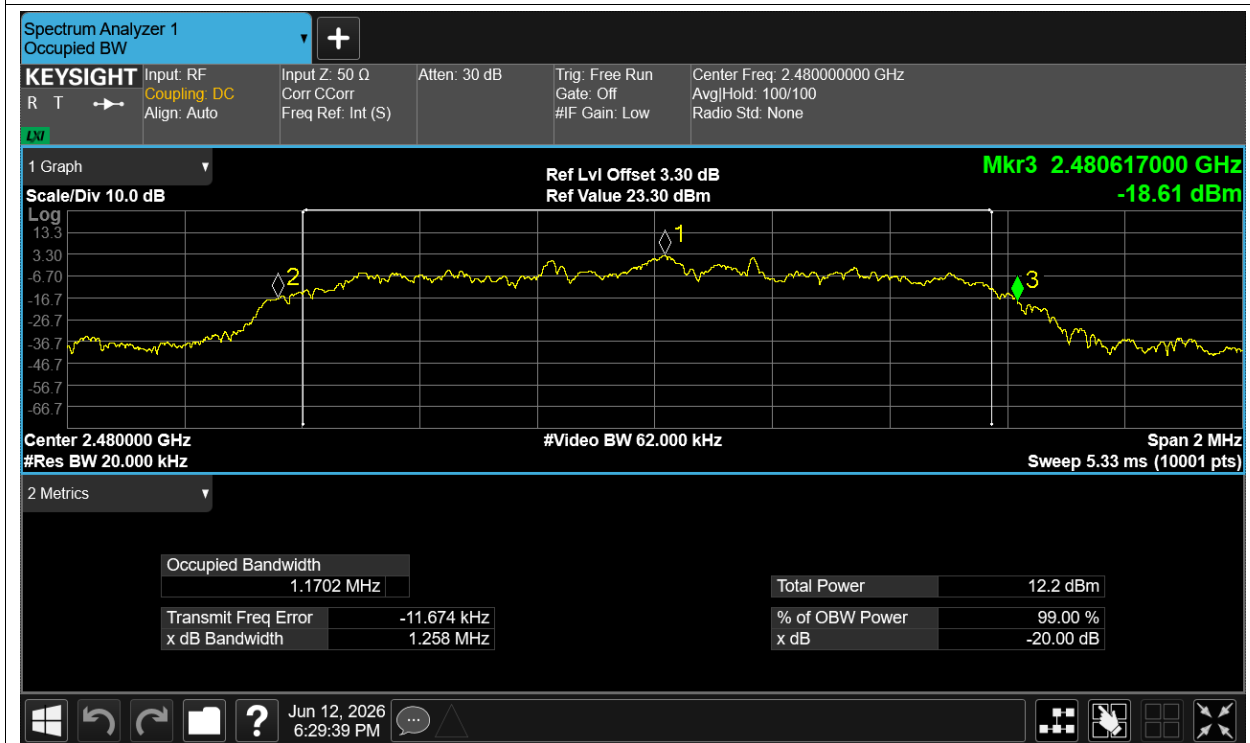
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



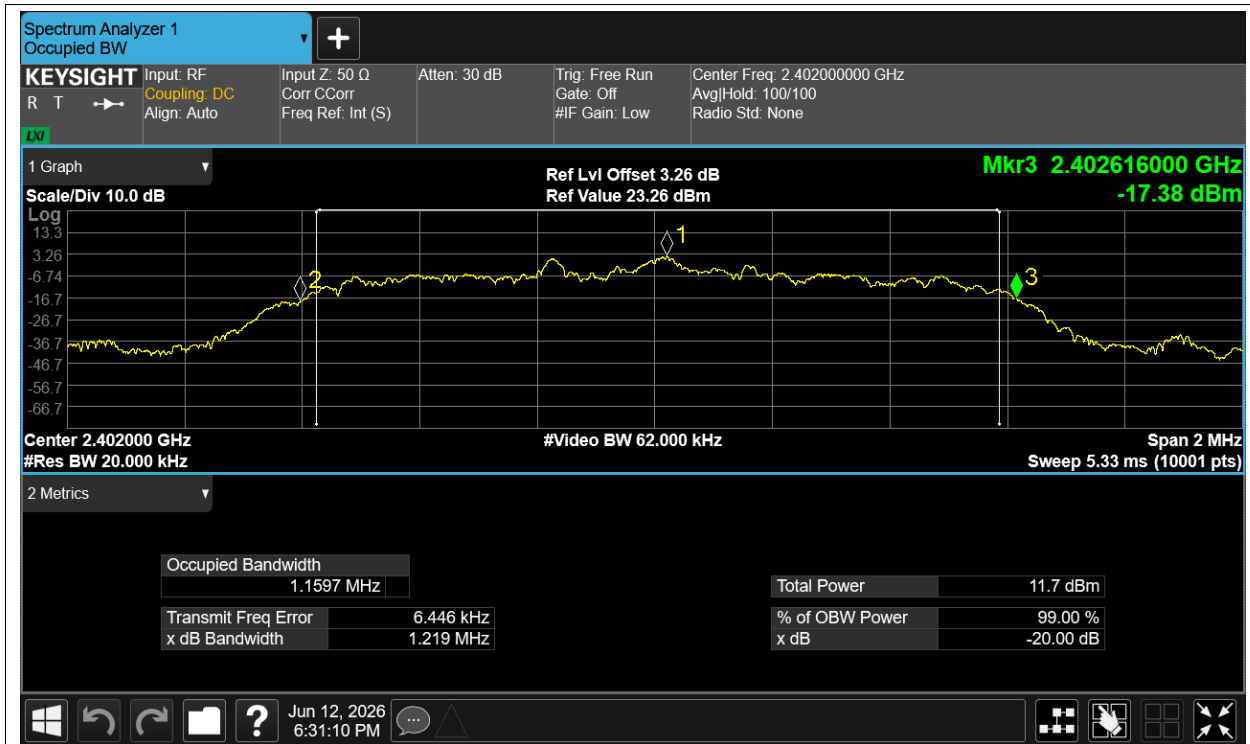
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



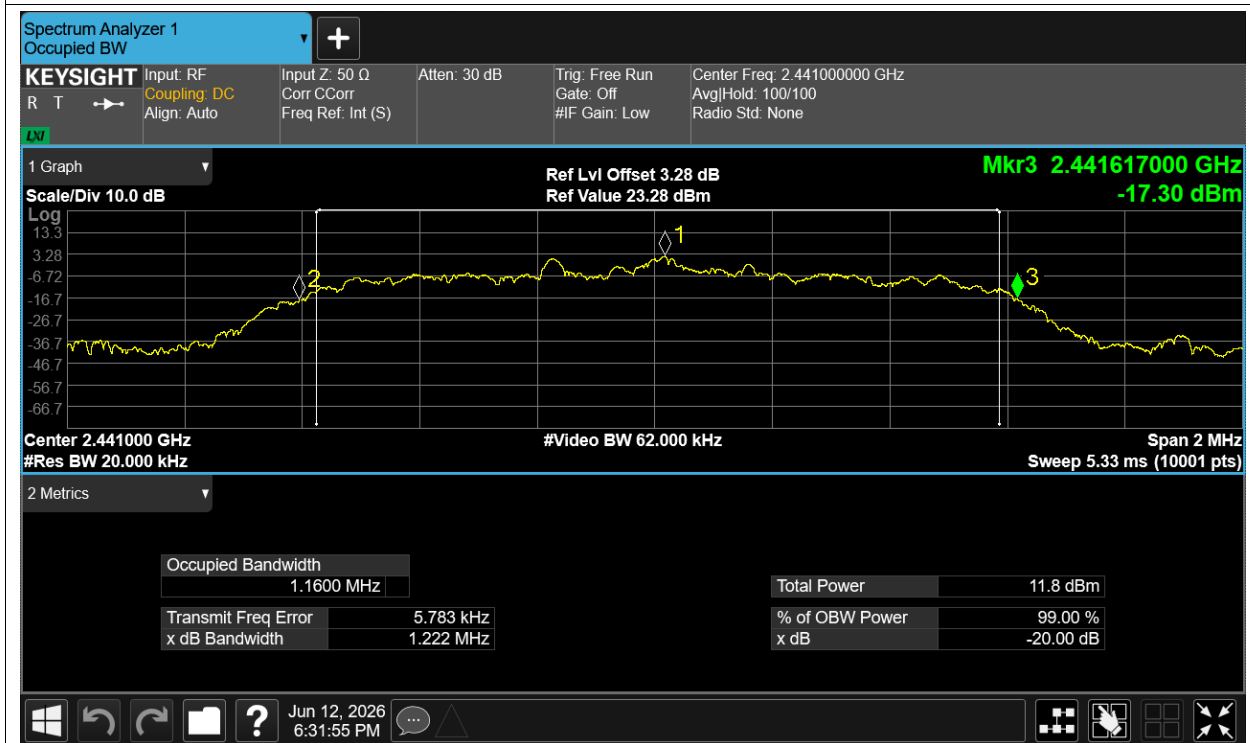
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1



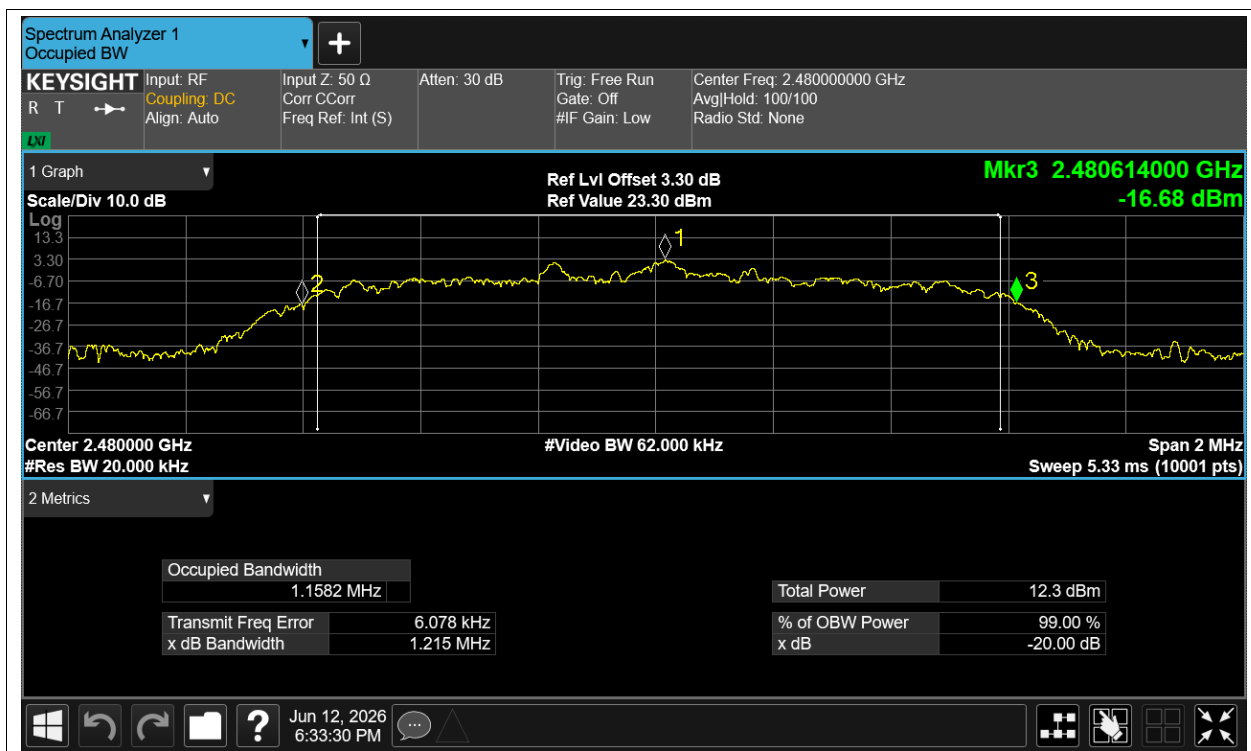
-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2480MHz Ant1

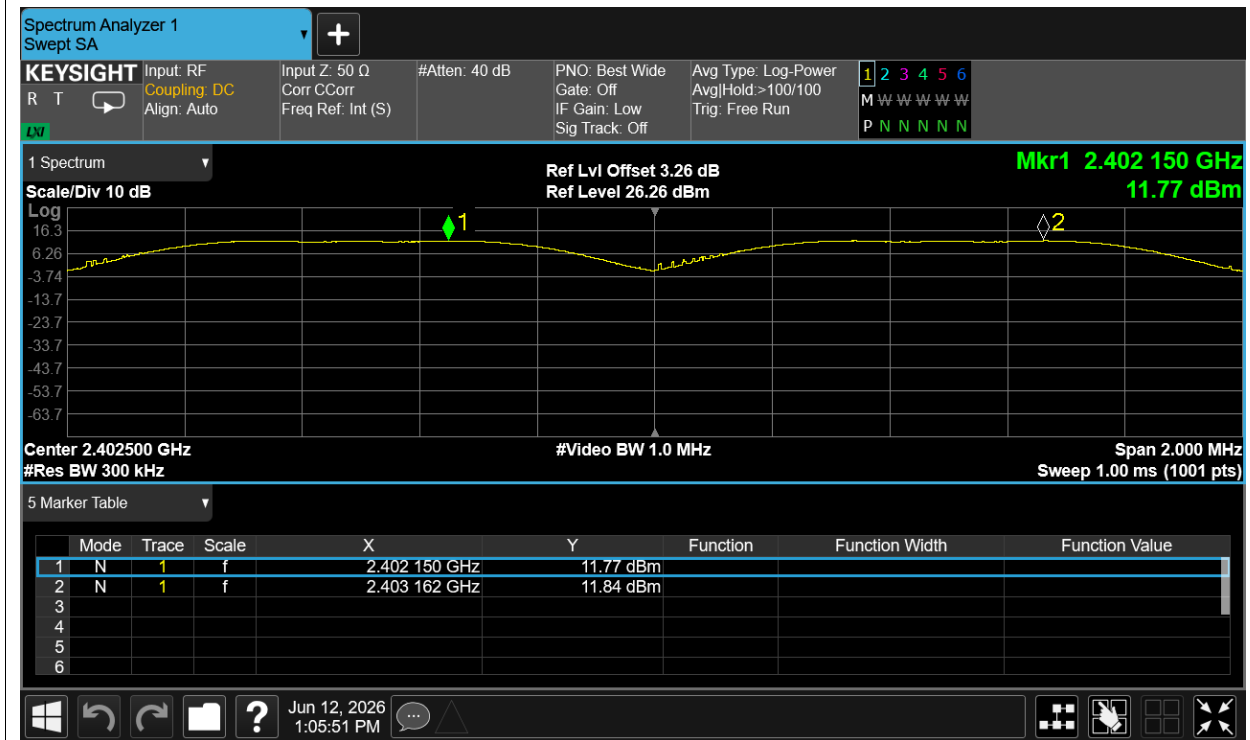


## Carrier Frequencies Separation

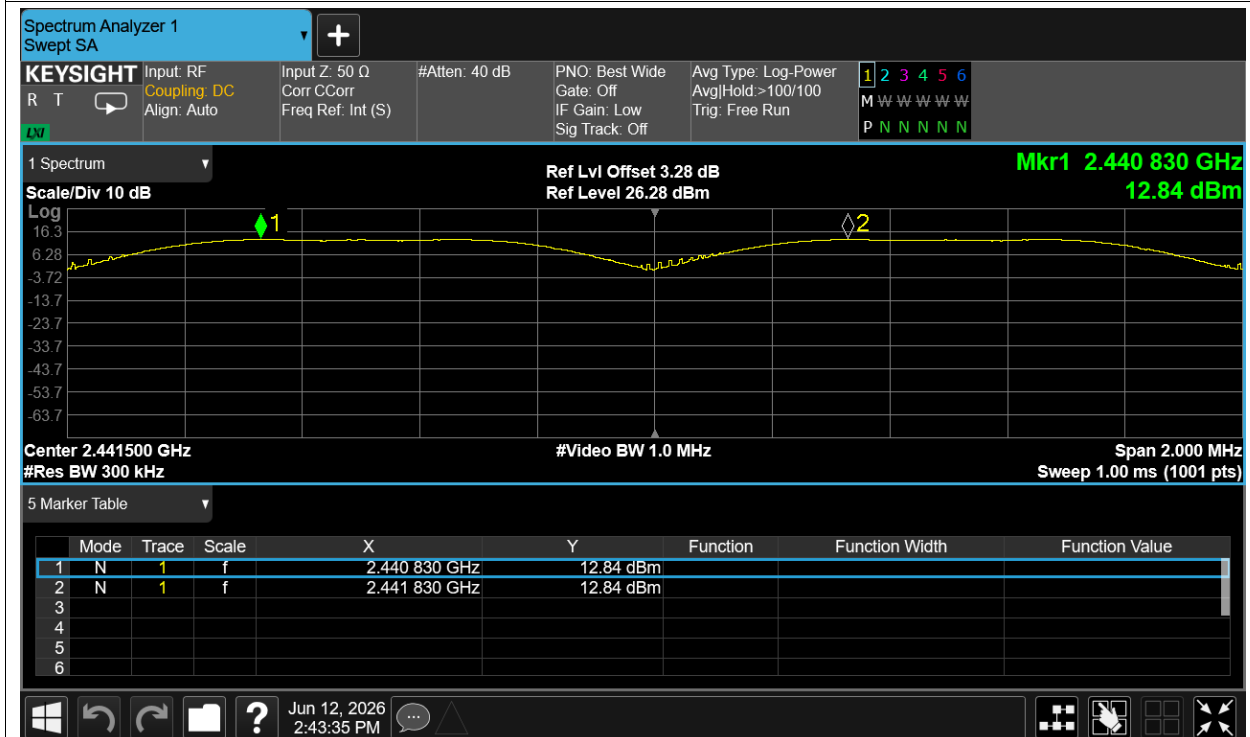
| Condition | Mode  | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|-----------|-------|---------|---------------------|---------------------|-----------|-------------|---------|
| NVNT      | 1-DH1 | Ant1    | 2402.15             | 2403.162            | 1.012     | 0.914       | Pass    |
| NVNT      | 1-DH1 | Ant1    | 2440.83             | 2441.83             | 1         | 0.025       | Pass    |
| NVNT      | 1-DH1 | Ant1    | 2478.834            | 2479.838            | 1.004     | 0.025       | Pass    |
| NVNT      | 2-DH1 | Ant1    | 2402.146            | 2403.16             | 1.014     | 0.85        | Pass    |
| NVNT      | 2-DH1 | Ant1    | 2441.134            | 2442.154            | 1.02      | 0.848       | Pass    |
| NVNT      | 2-DH1 | Ant1    | 2479.152            | 2480.16             | 1.008     | 0.832       | Pass    |
| NVNT      | 3-DH1 | Ant1    | 2401.828            | 2403.148            | 1.32      | 0.811       | Pass    |
| NVNT      | 3-DH1 | Ant1    | 2440.828            | 2441.832            | 1.004     | 0.808       | Pass    |
| NVNT      | 3-DH1 | Ant1    | 2478.834            | 2479.83             | 0.996     | 0.812       | Pass    |

## Test Graphs

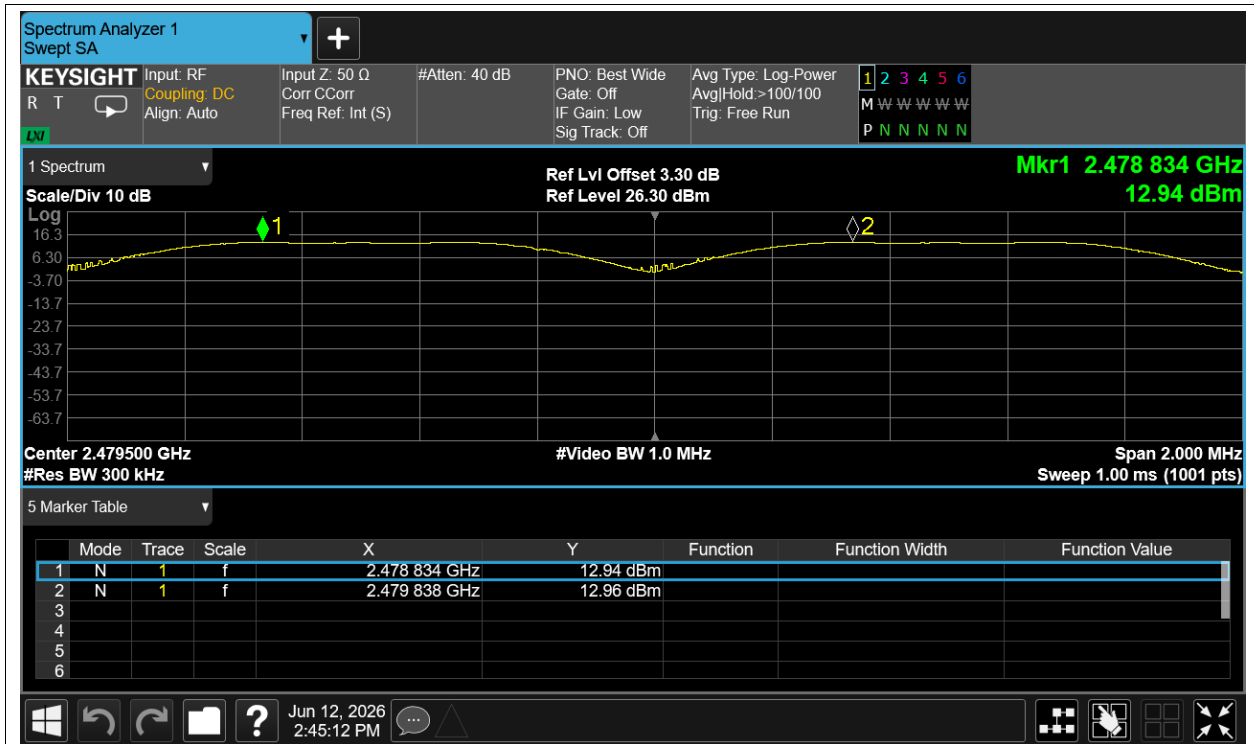
### CFS NVNT 1-DH1 2402MHz Ant1



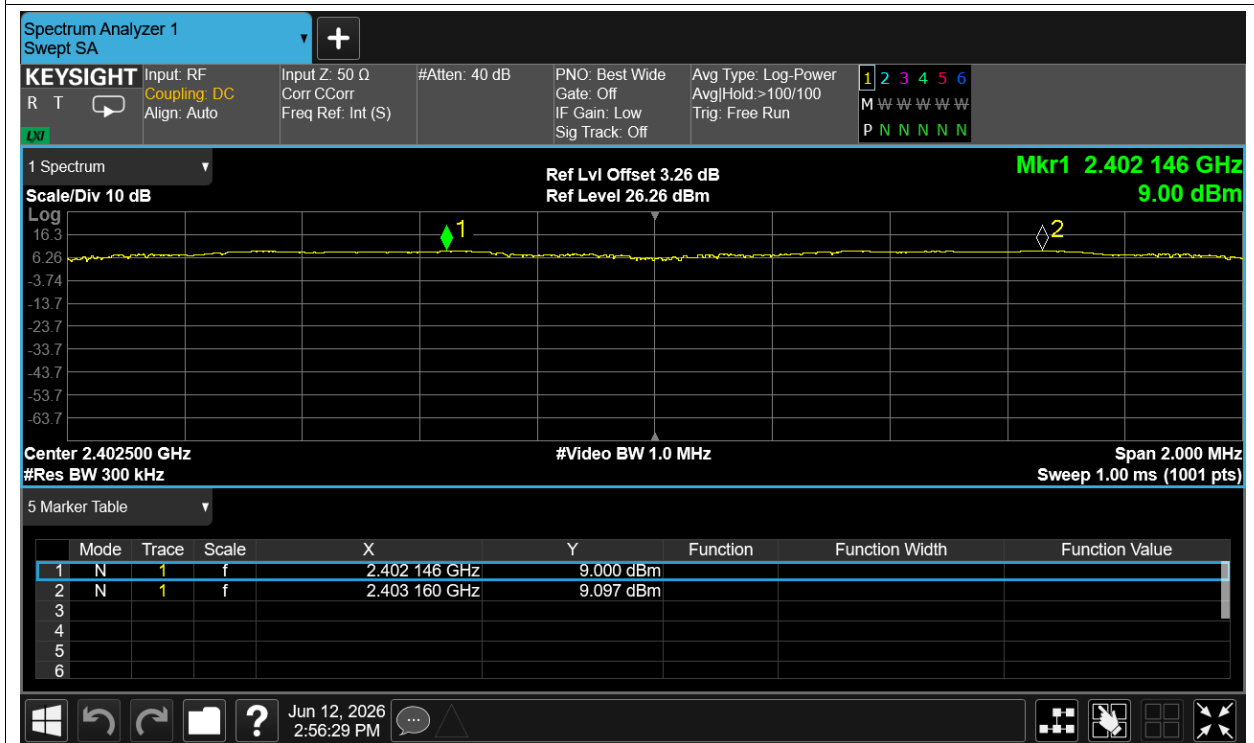
### CFS NVNT 1-DH1 2441MHz Ant1



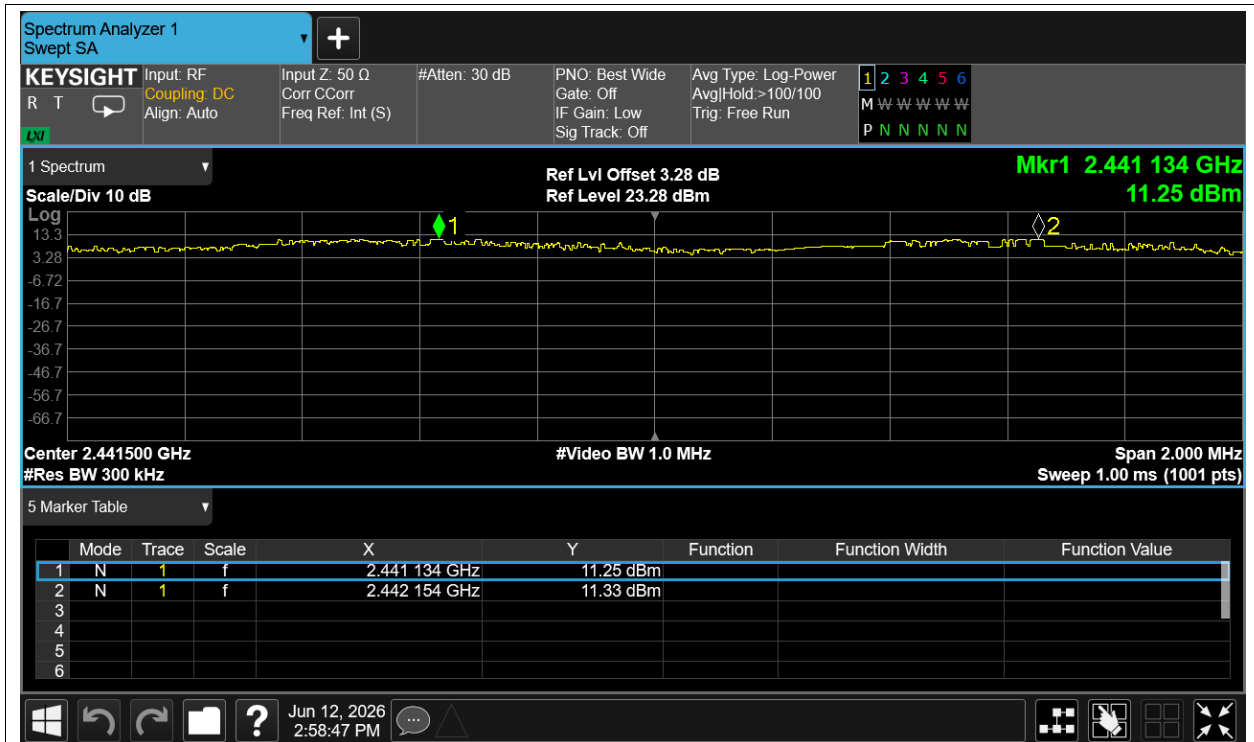
### CFS NVNT 1-DH1 2480MHz Ant1



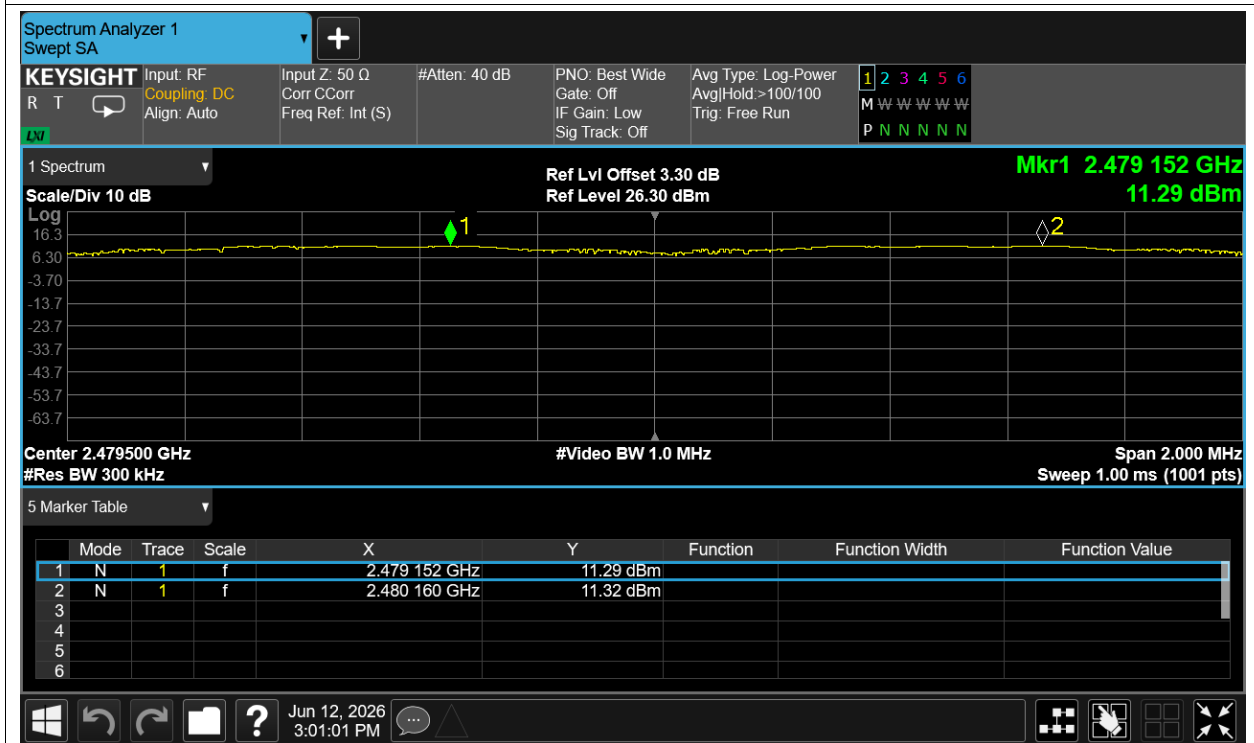
CFS NVNT 2-DH1 2402MHz Ant1



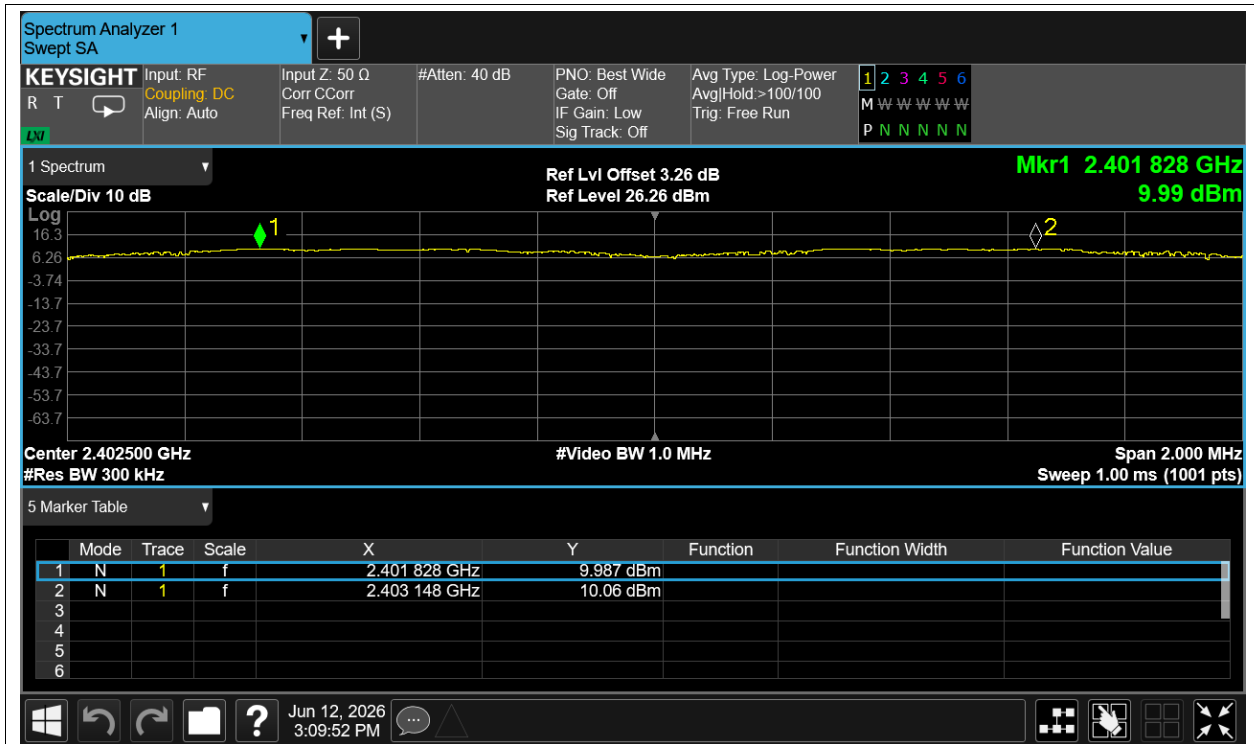
CFS NVNT 2-DH1 2441MHz Ant1



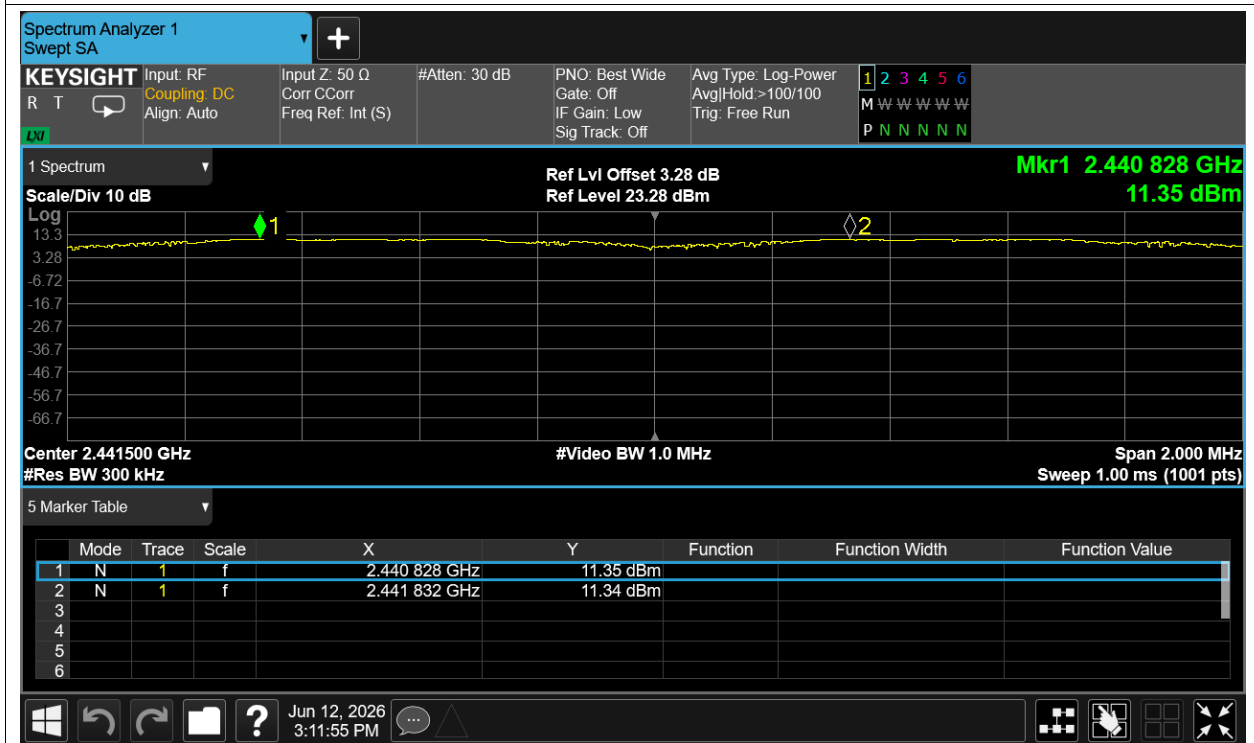
CFS NVNT 2-DH1 2480MHz Ant1



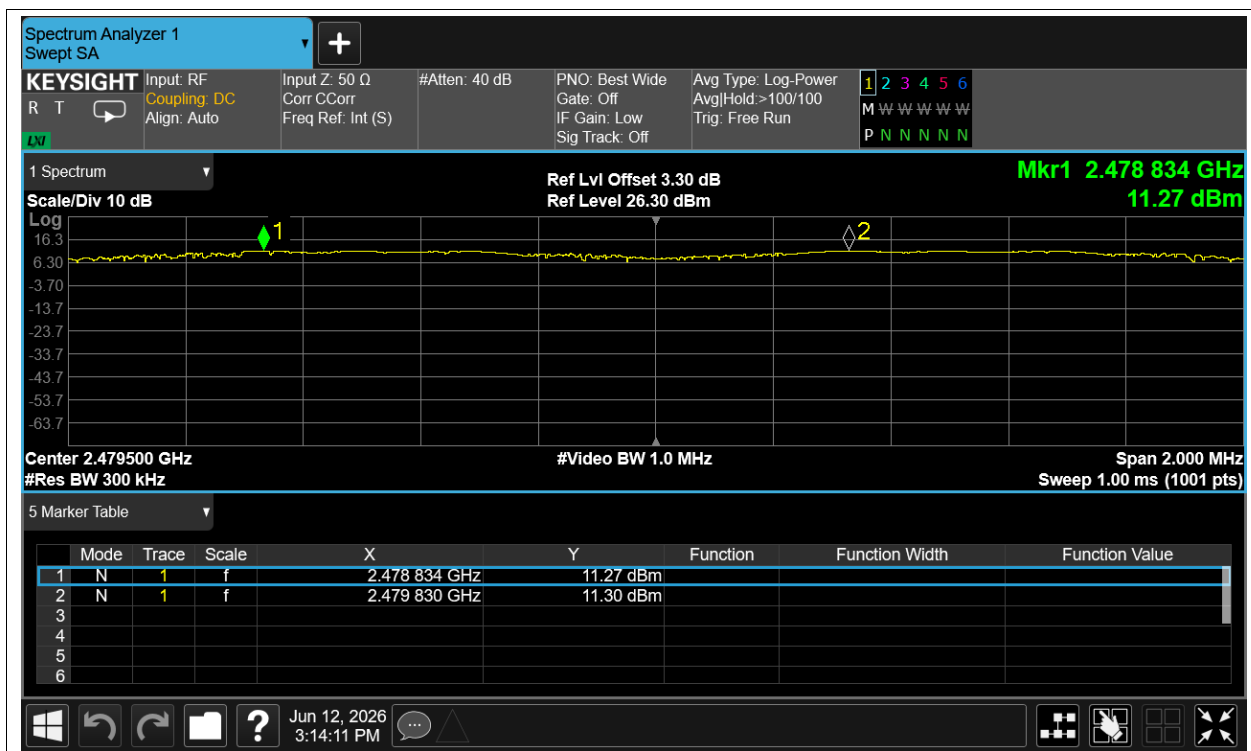
CFS NVNT 3-DH1 2402MHz Ant1



CFS NVNT 3-DH1 2441MHz Ant1



CFS NVNT 3-DH1 2480MHz Ant1

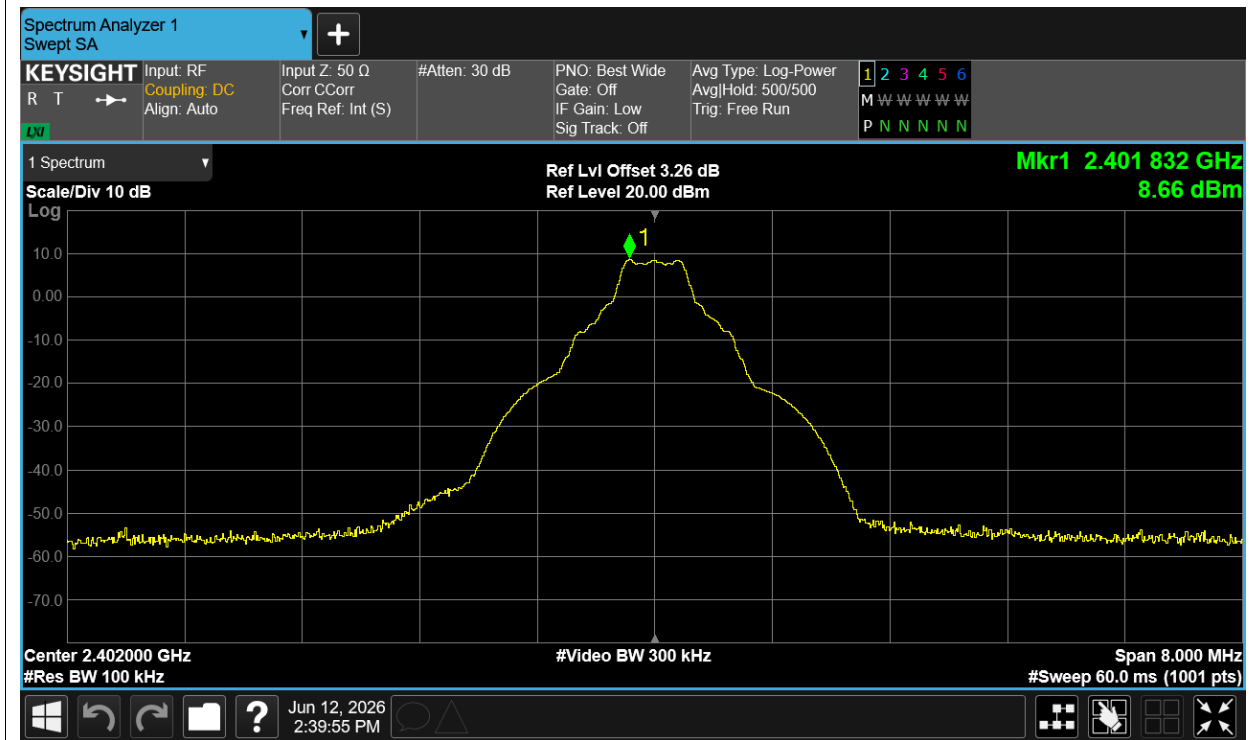


## Band Edge

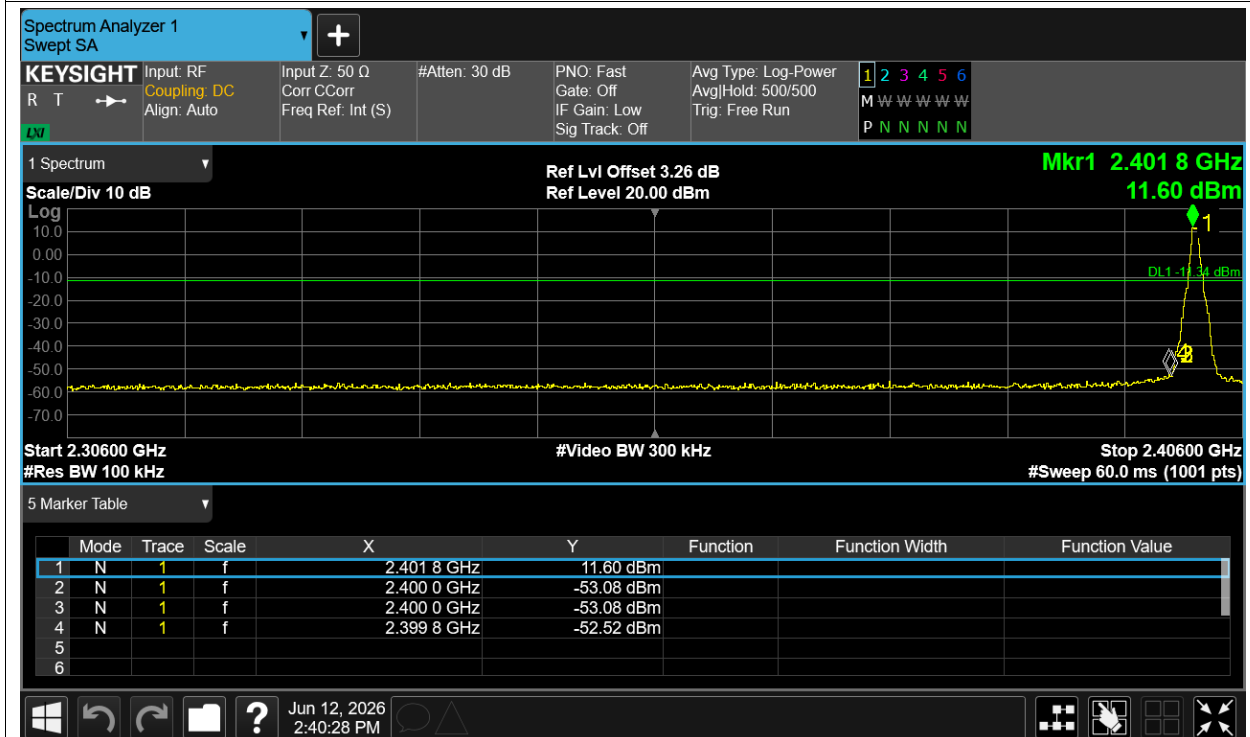
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | -61.18          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | -65.38          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | -50.27          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | -61.92          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | -49.25          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | -61.43          | -20         | Pass    |

## Test Graphs

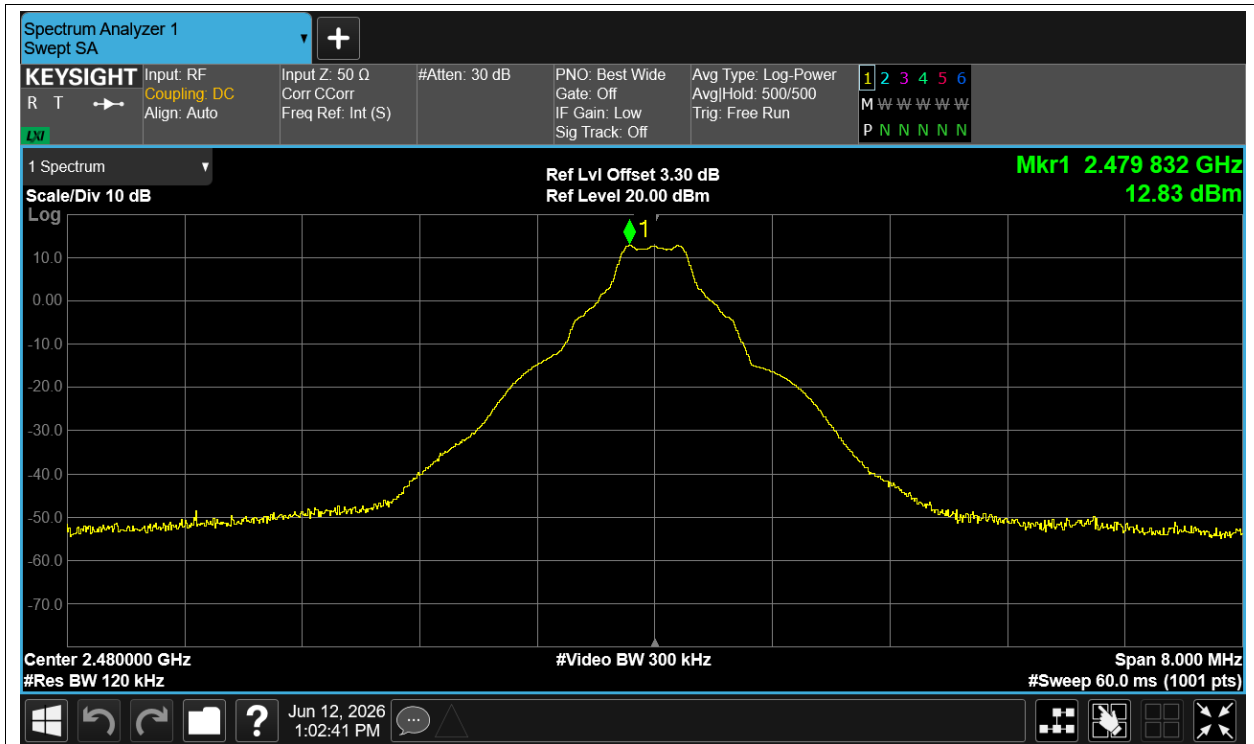
### Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



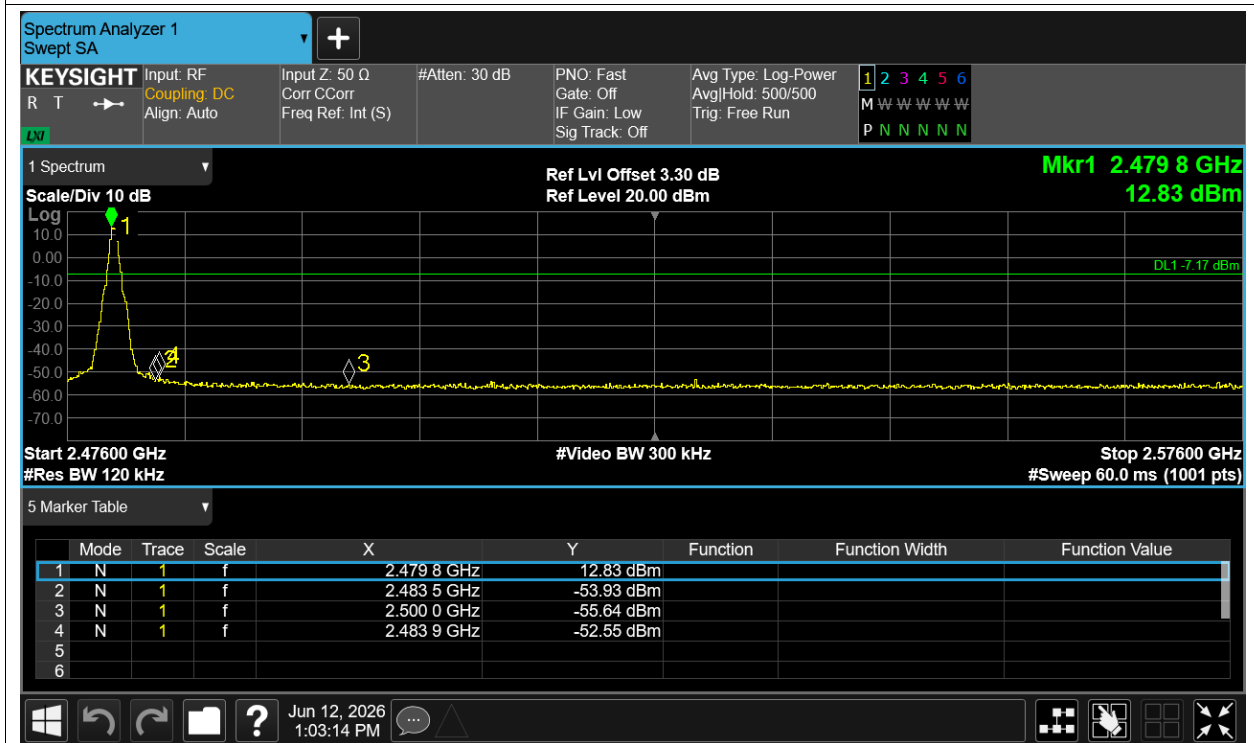
### Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



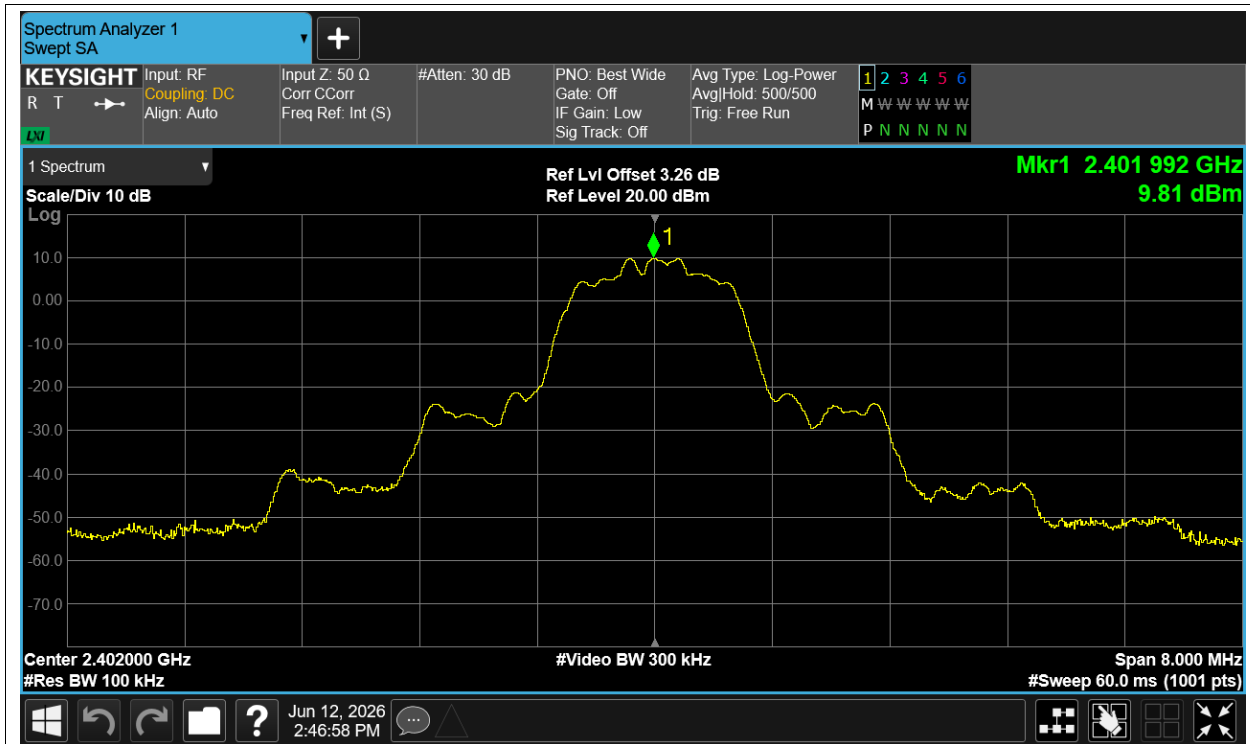
### Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



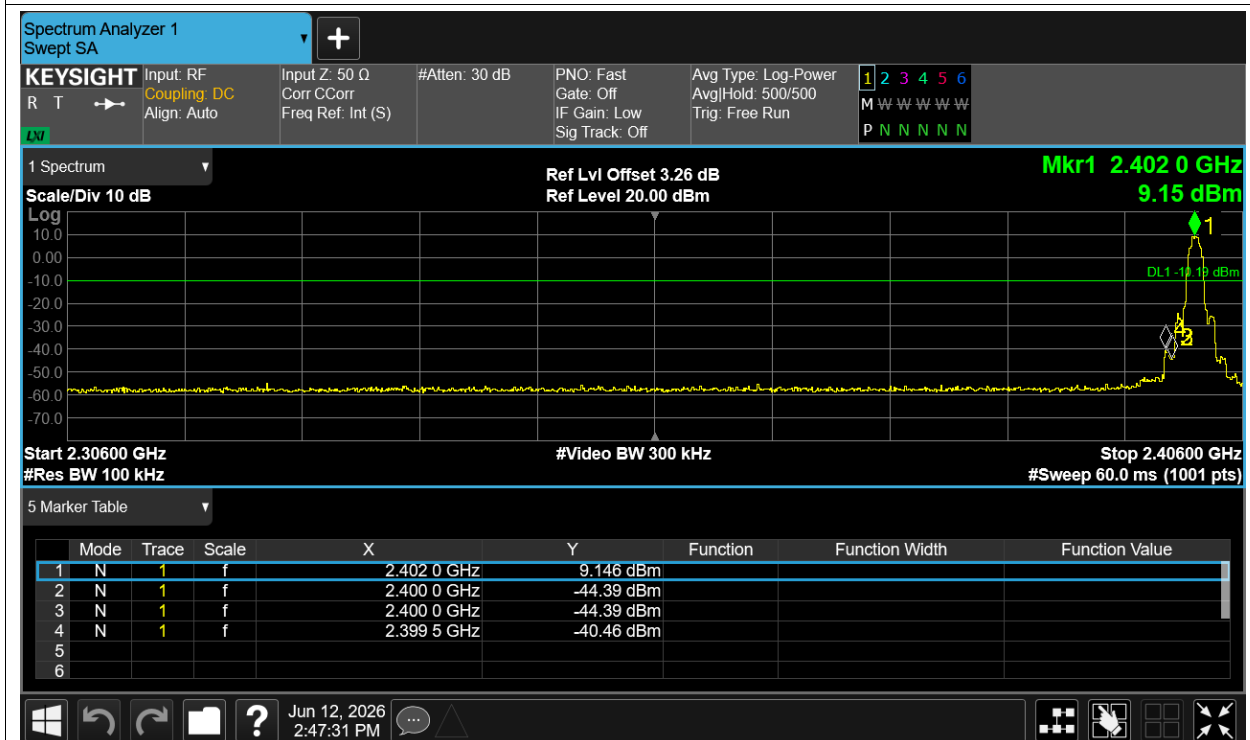
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



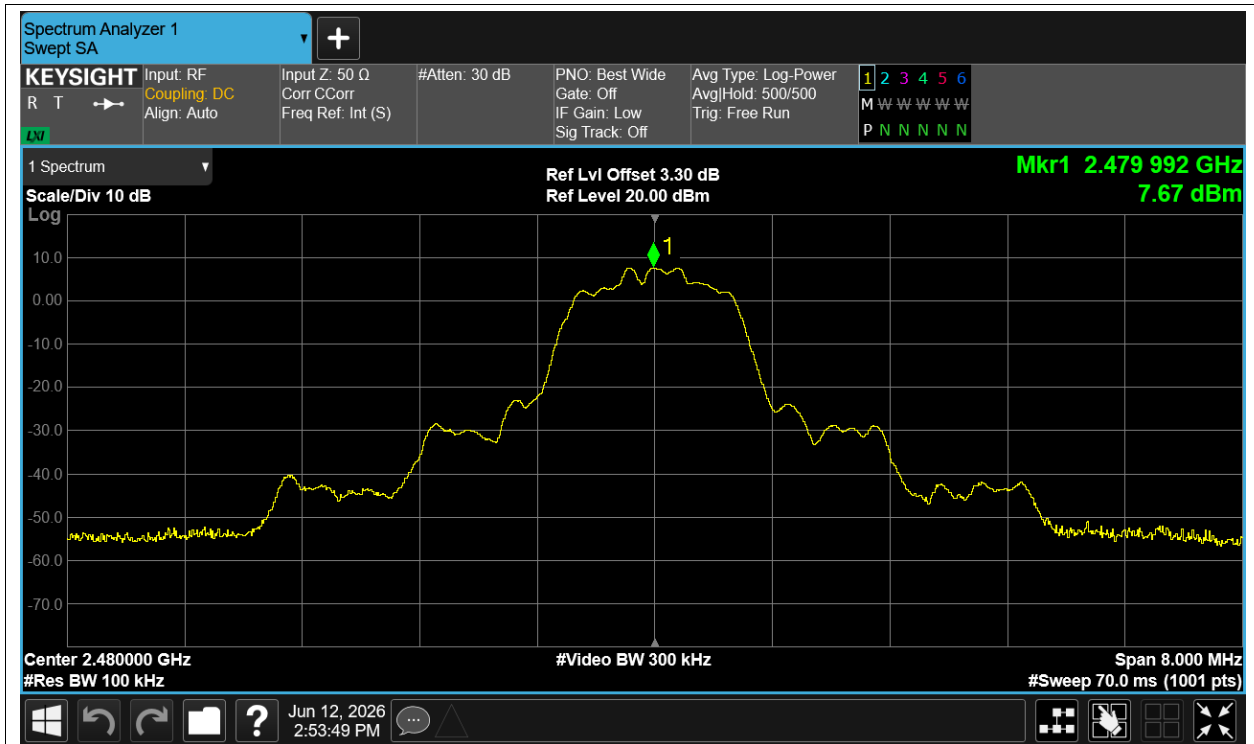
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



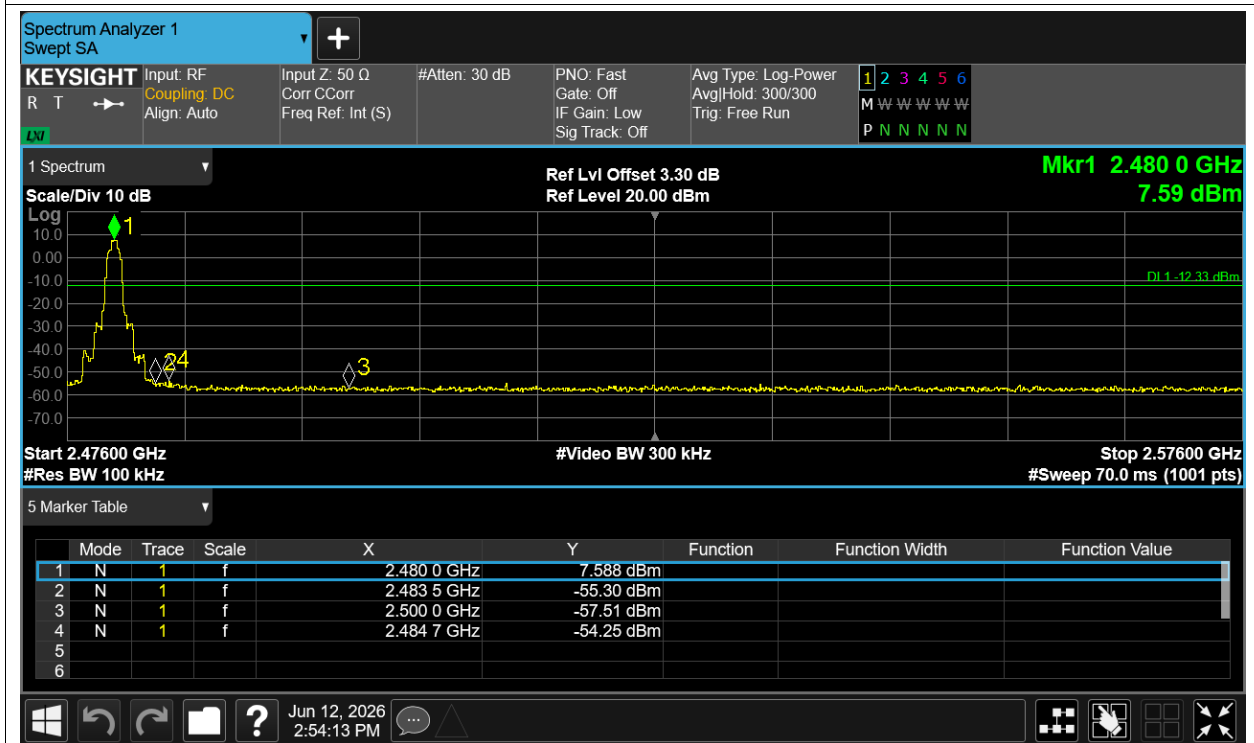
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



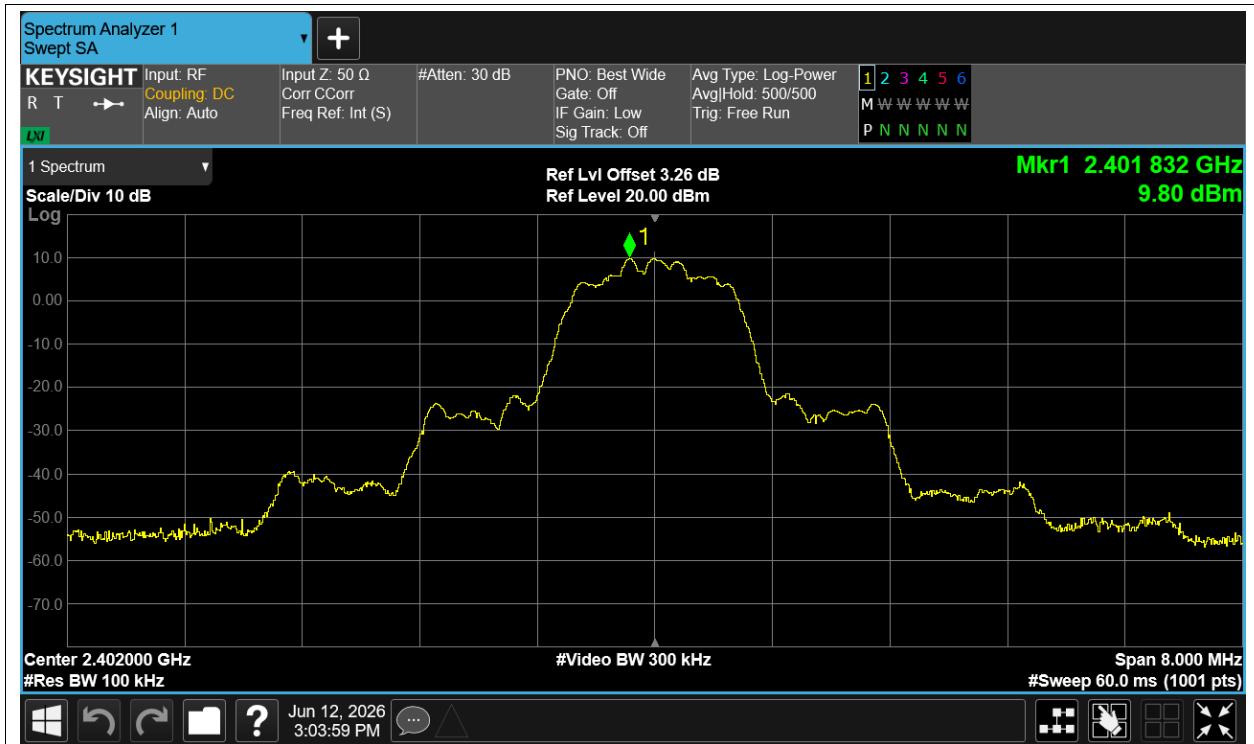
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



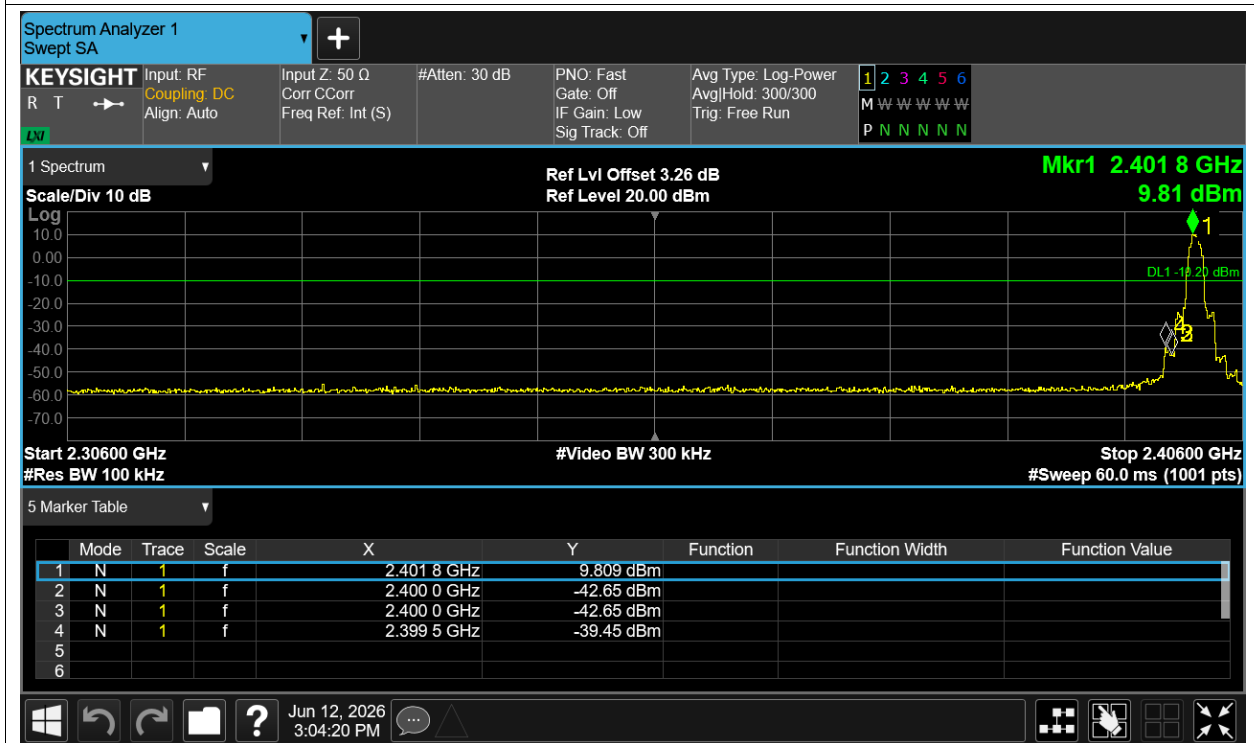
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



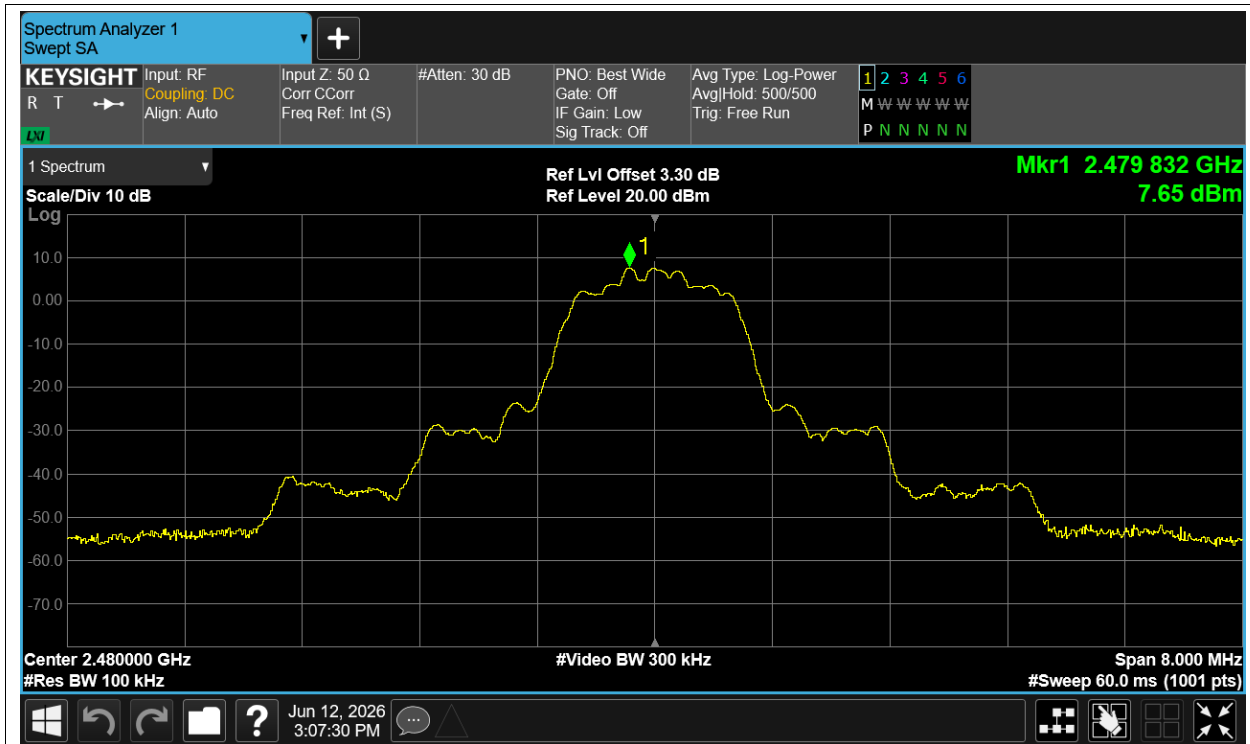
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref



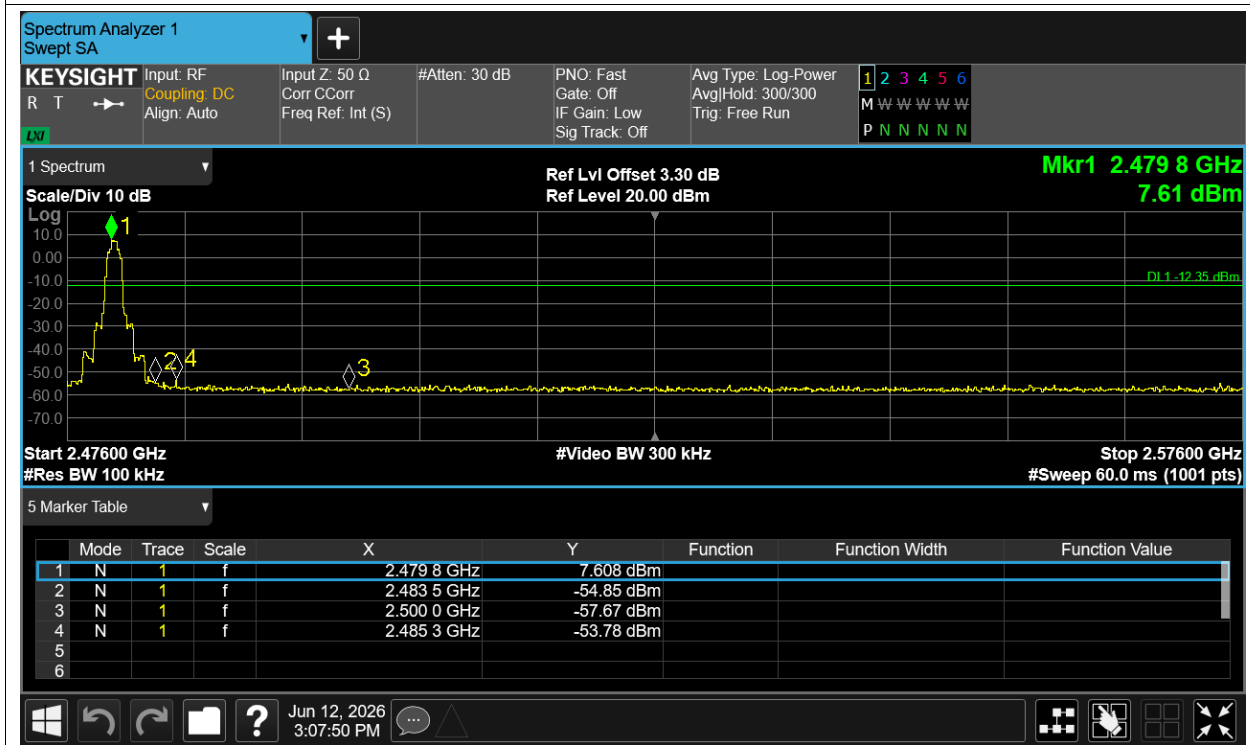
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Emission

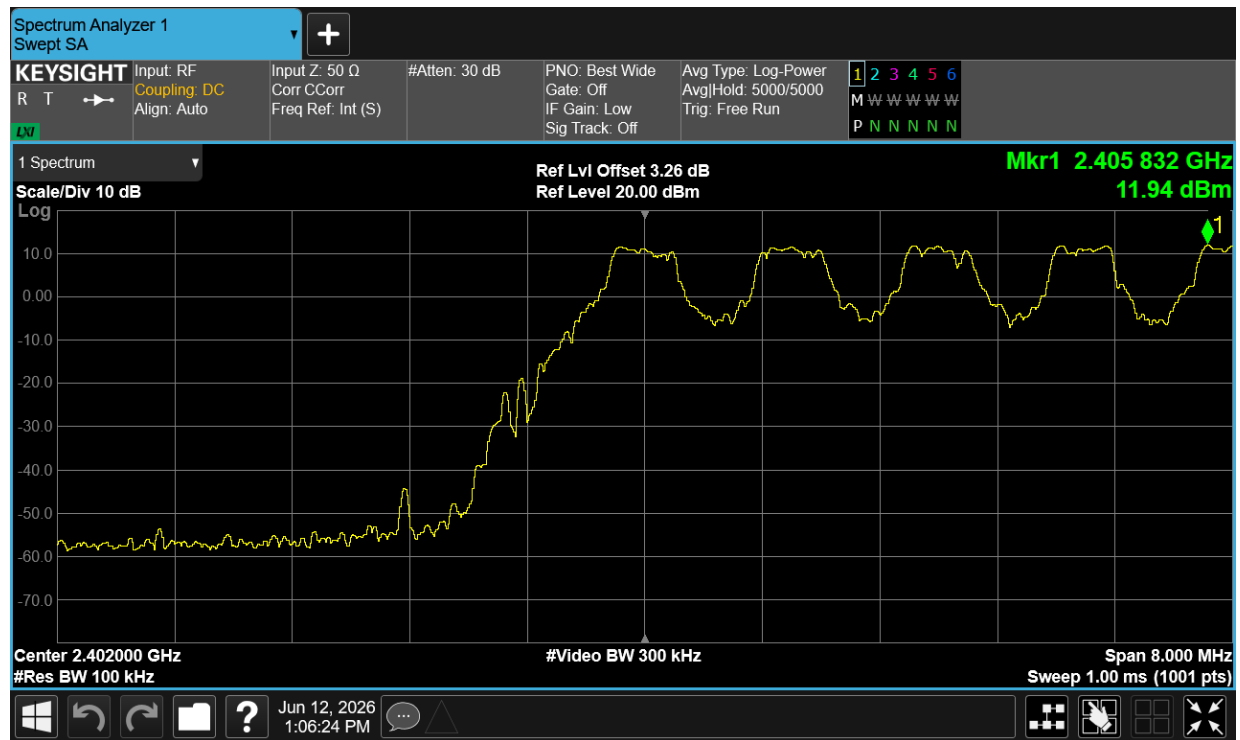


## Band Edge(Hopping)

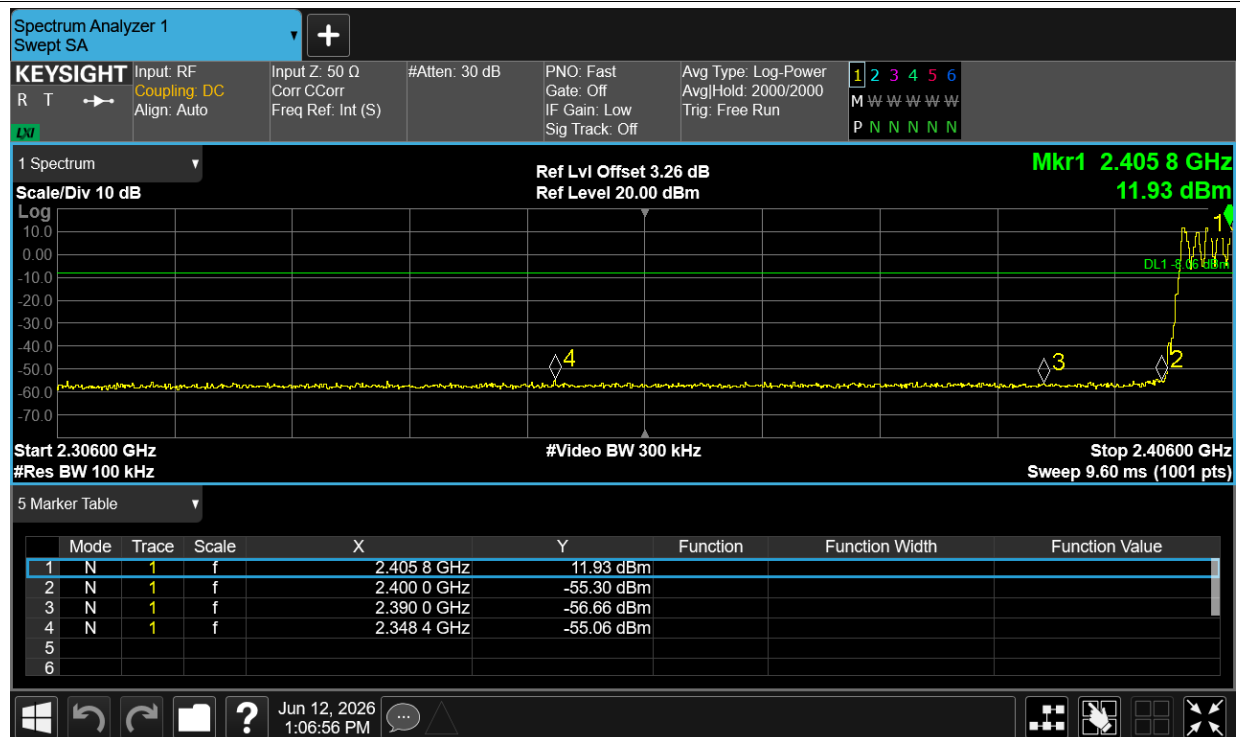
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | Hopping      | -67             | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | Hopping      | -66.56          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | Hopping      | -62.71          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | Hopping      | -65.85          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | Hopping      | -64.67          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | Hopping      | -59.43          | -20         | Pass    |

## Test Graphs

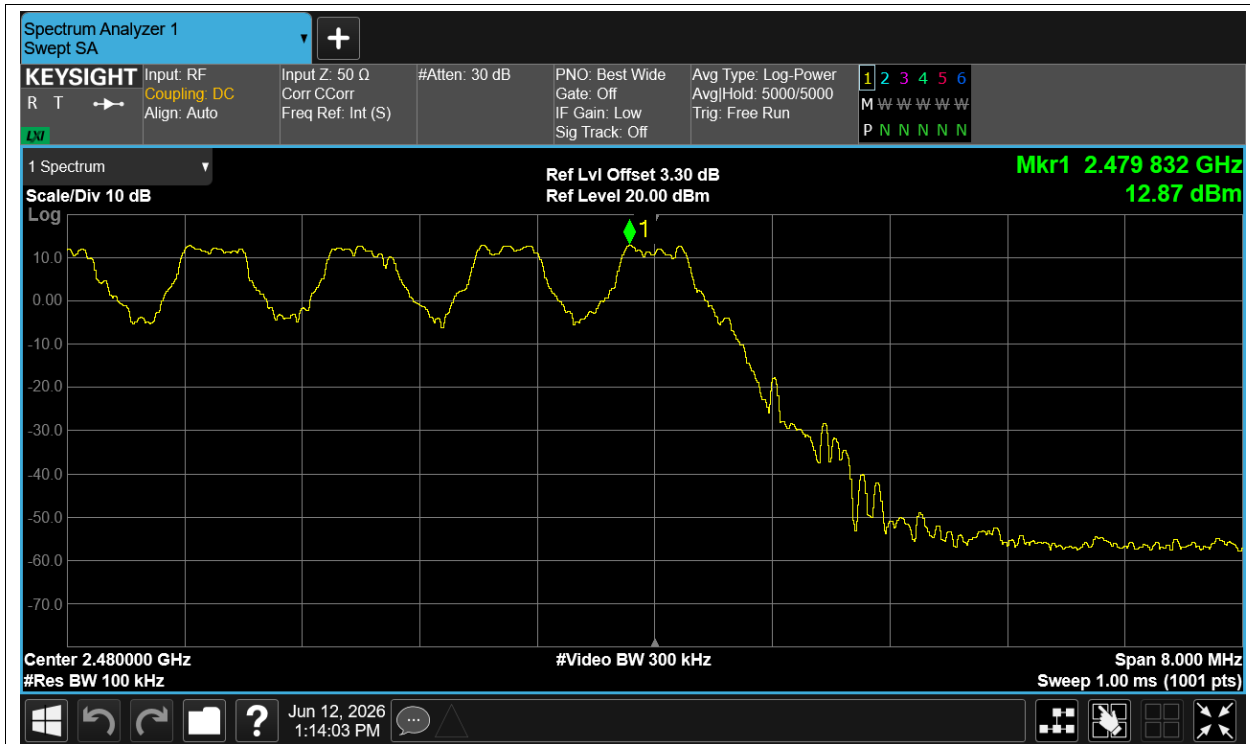
### Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref



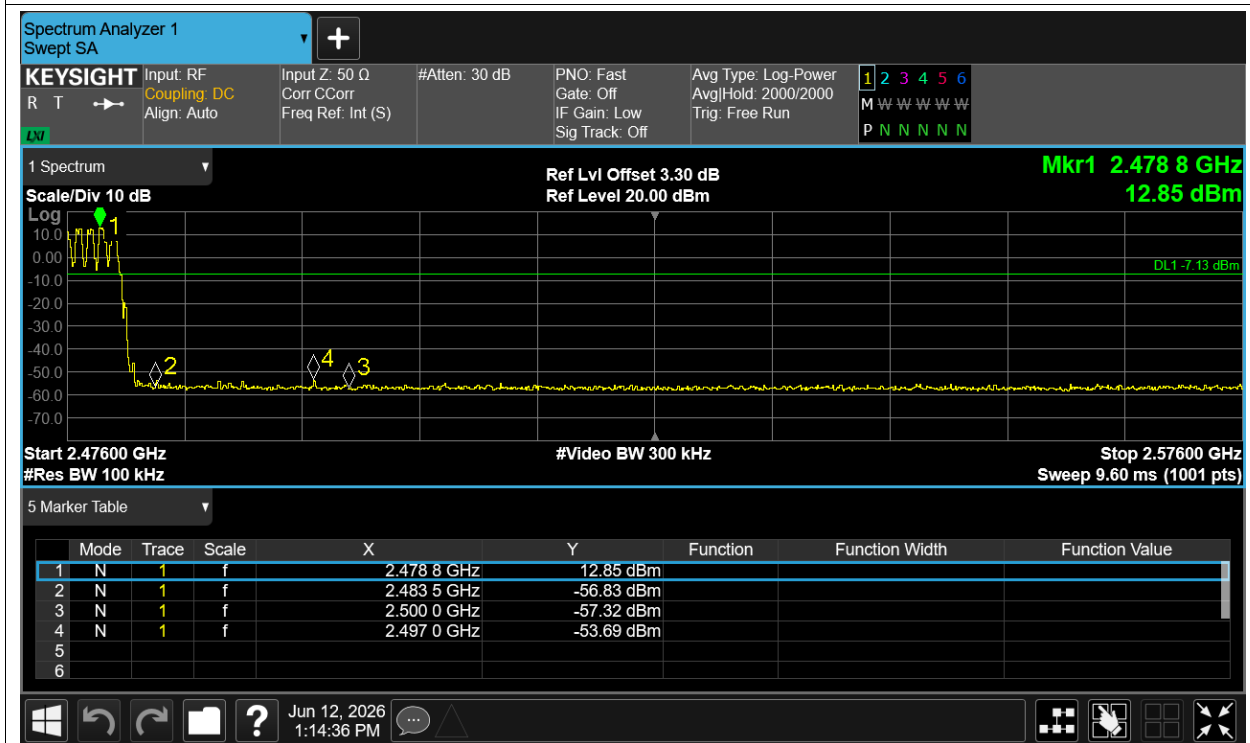
### Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission



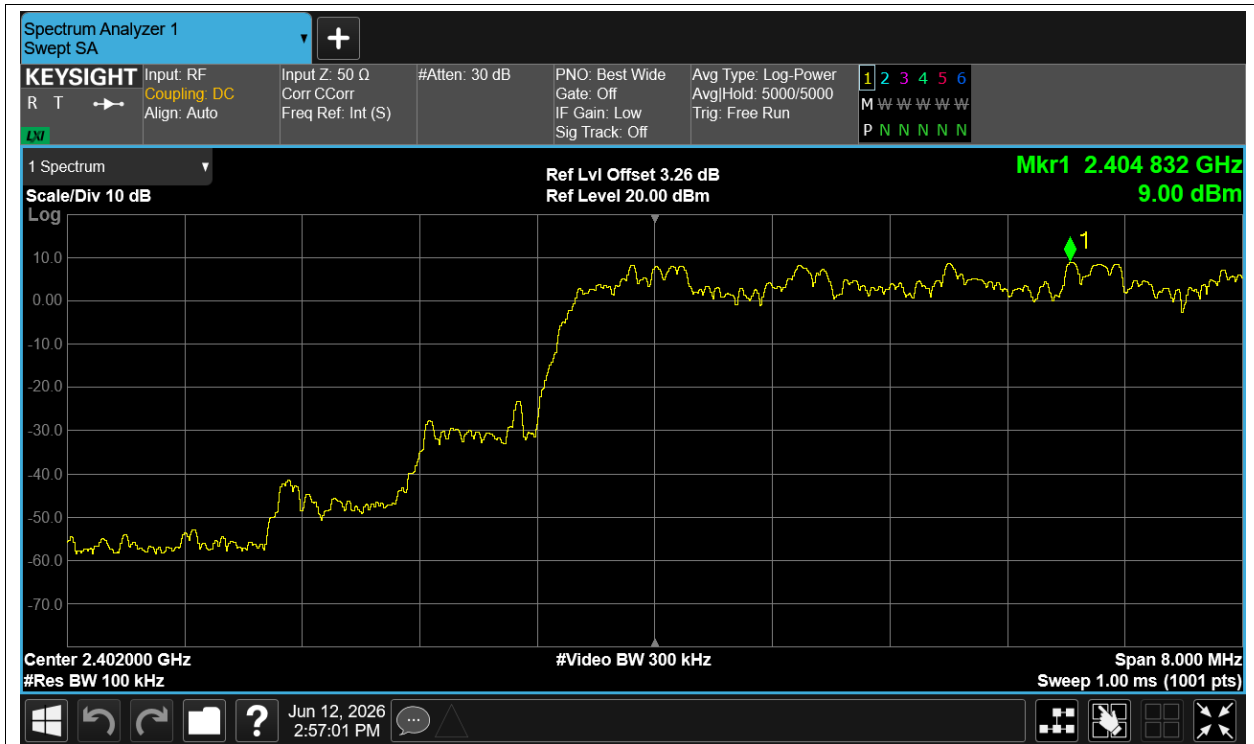
### Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref



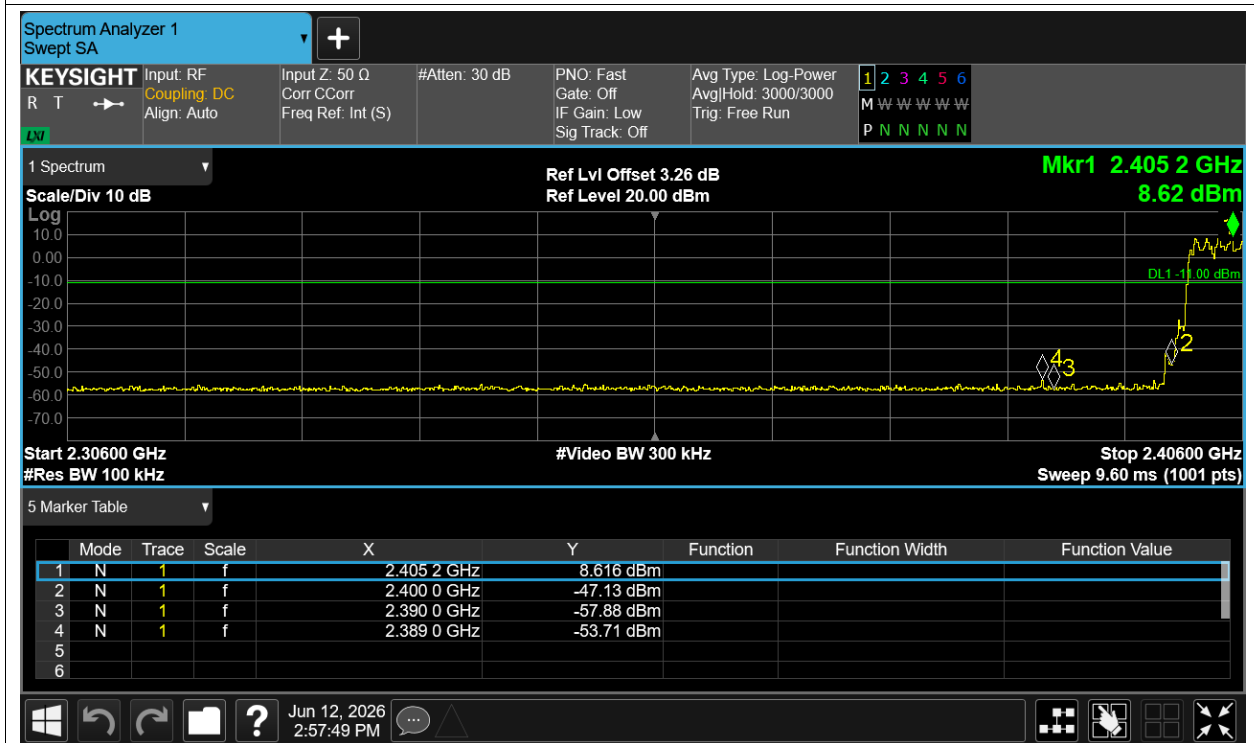
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



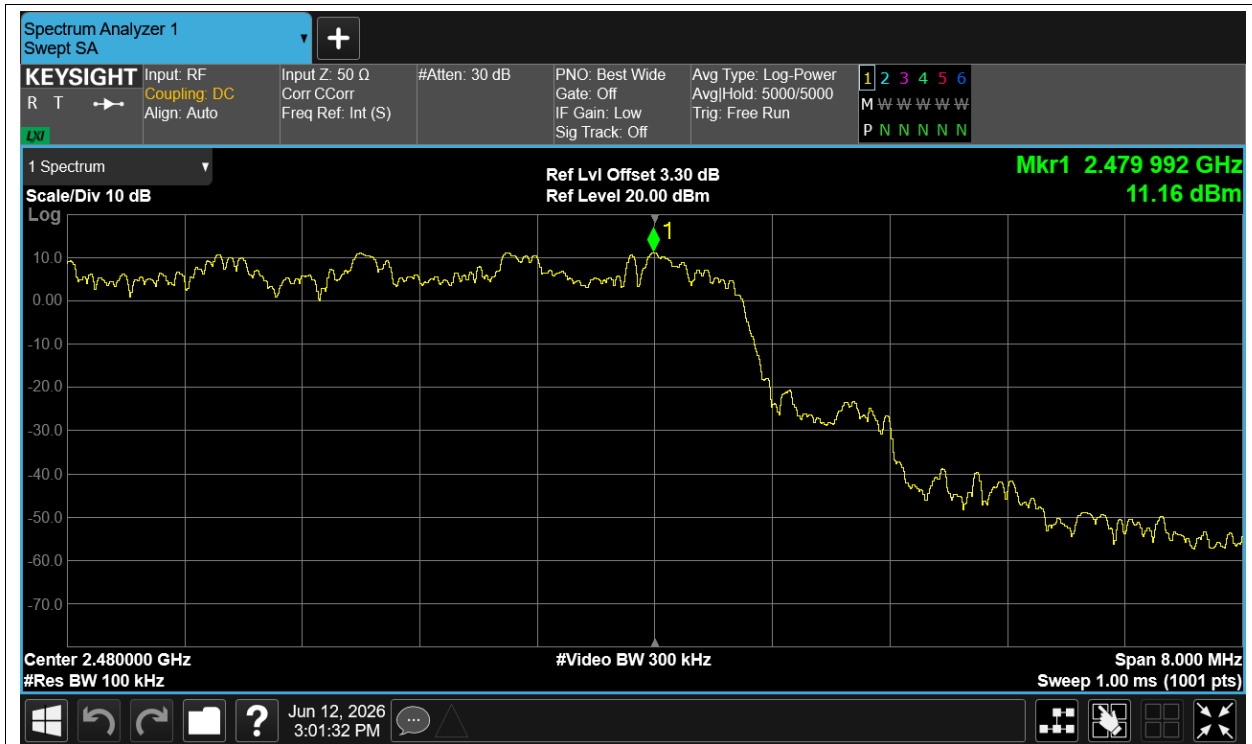
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



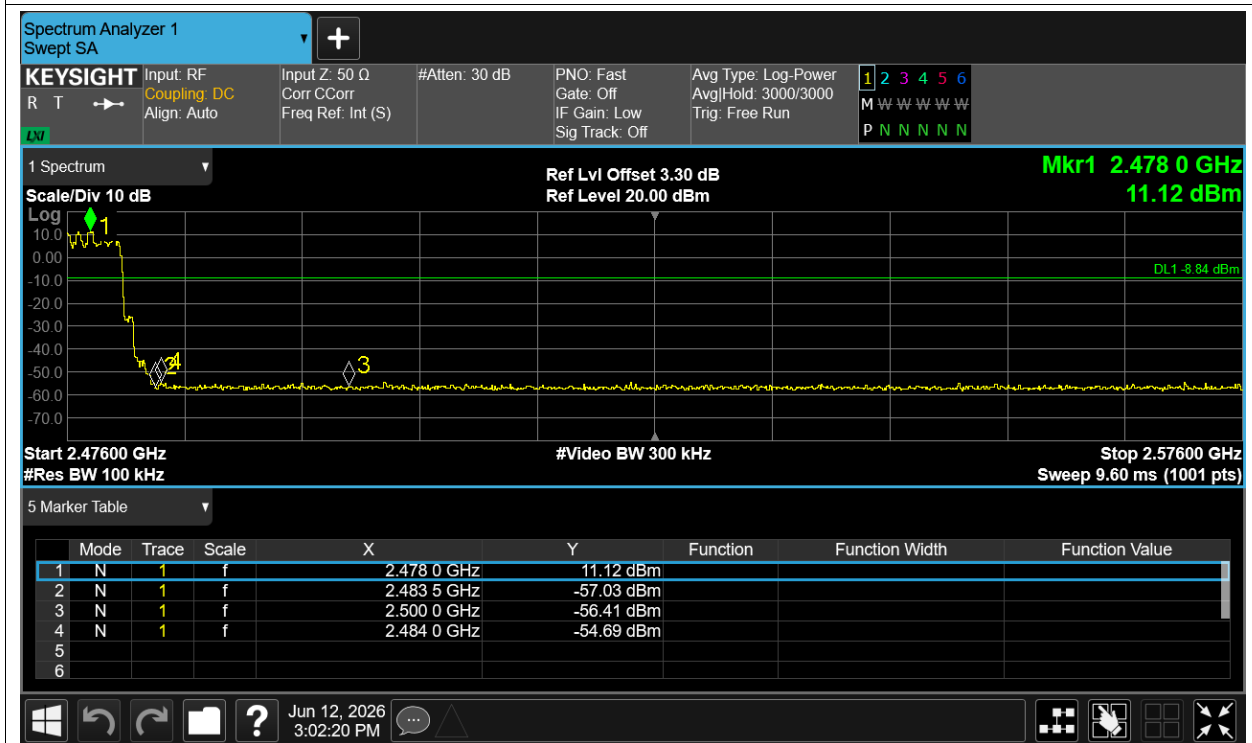
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



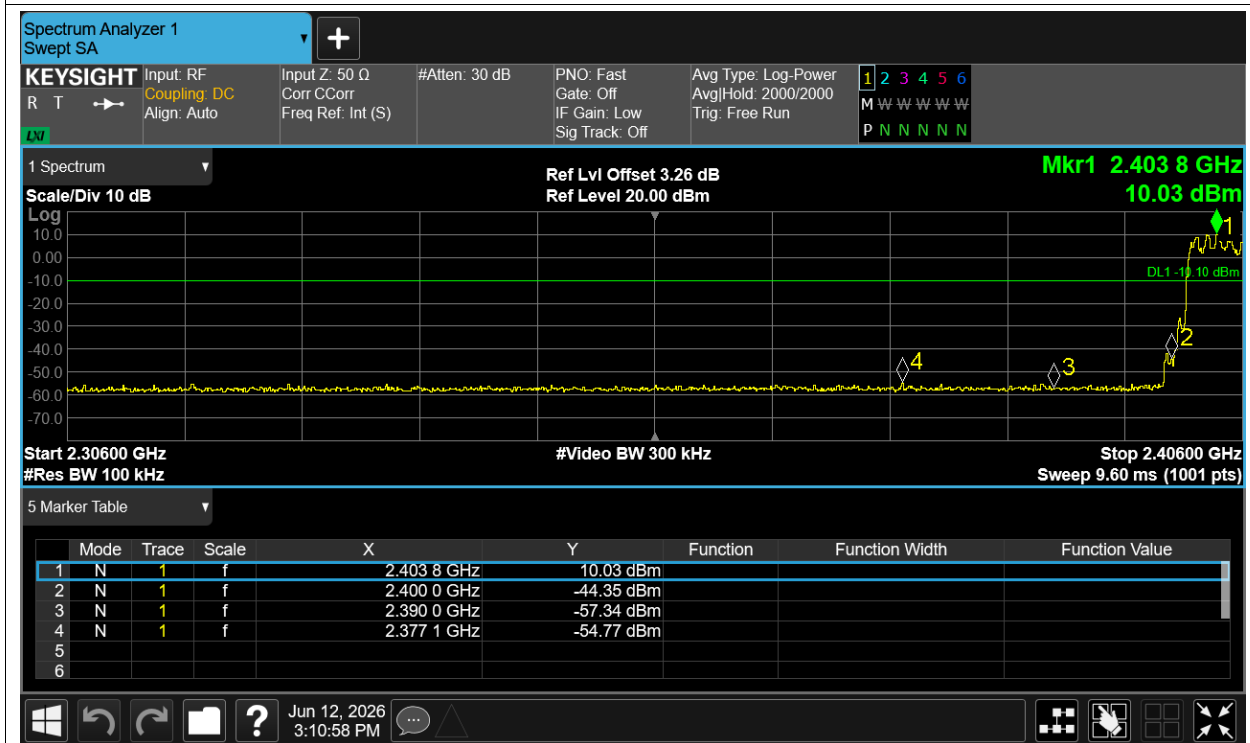
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



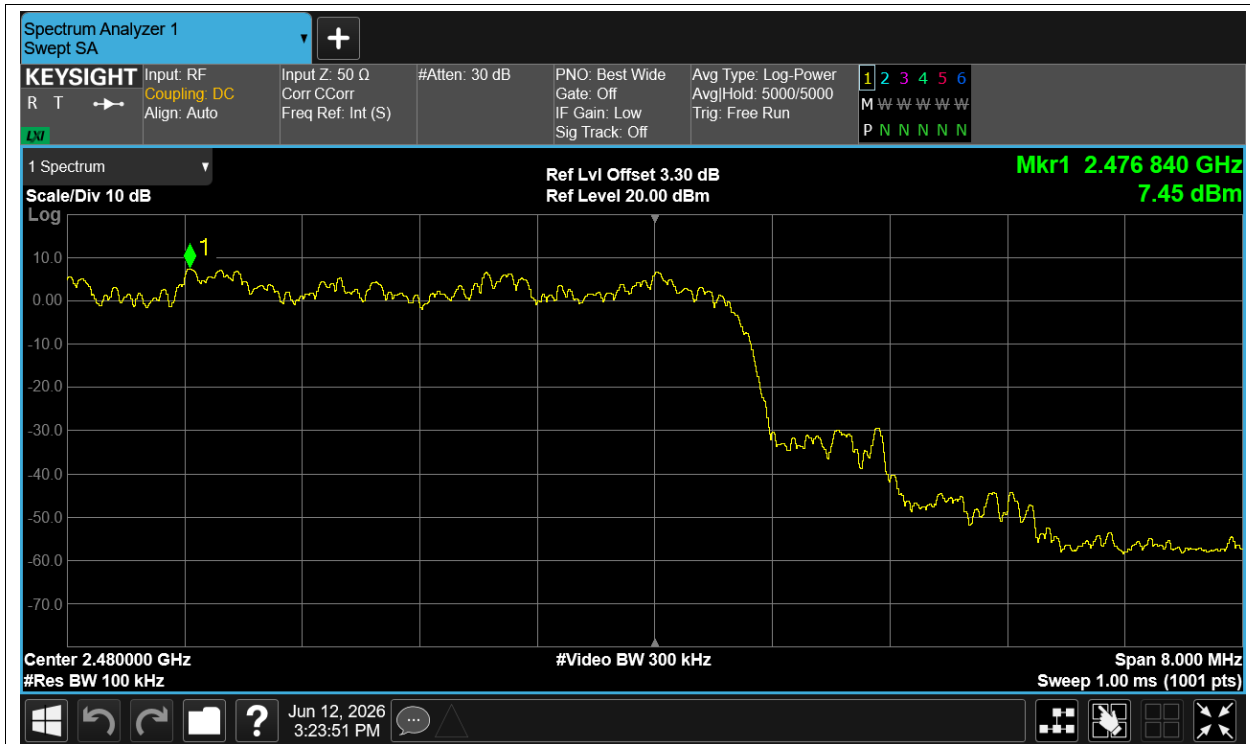
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



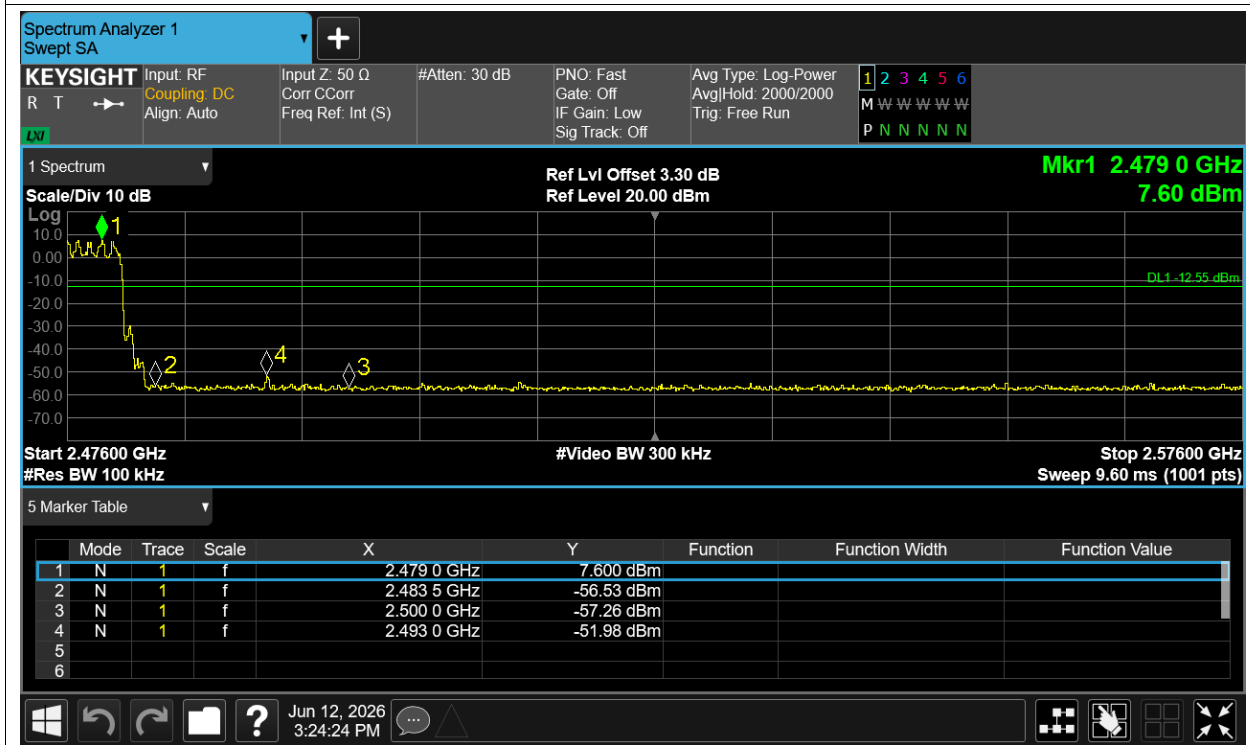
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Emission

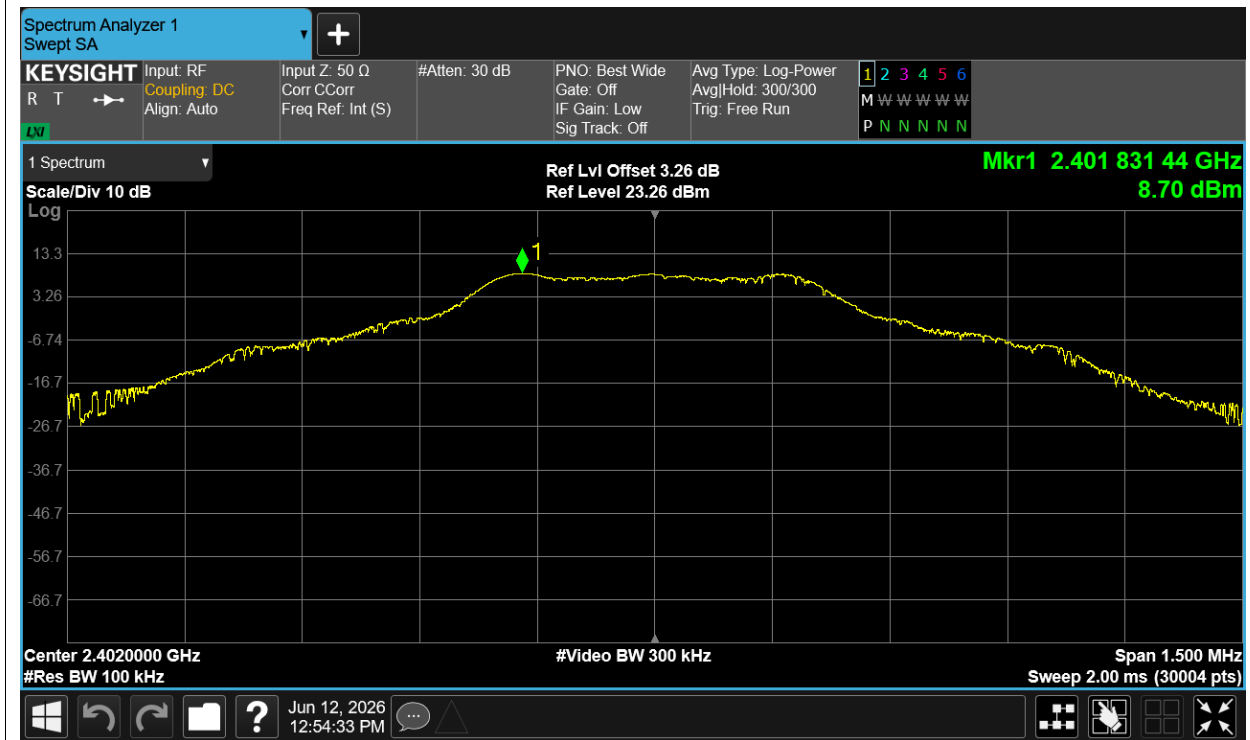


## Conducted RF Spurious Emission

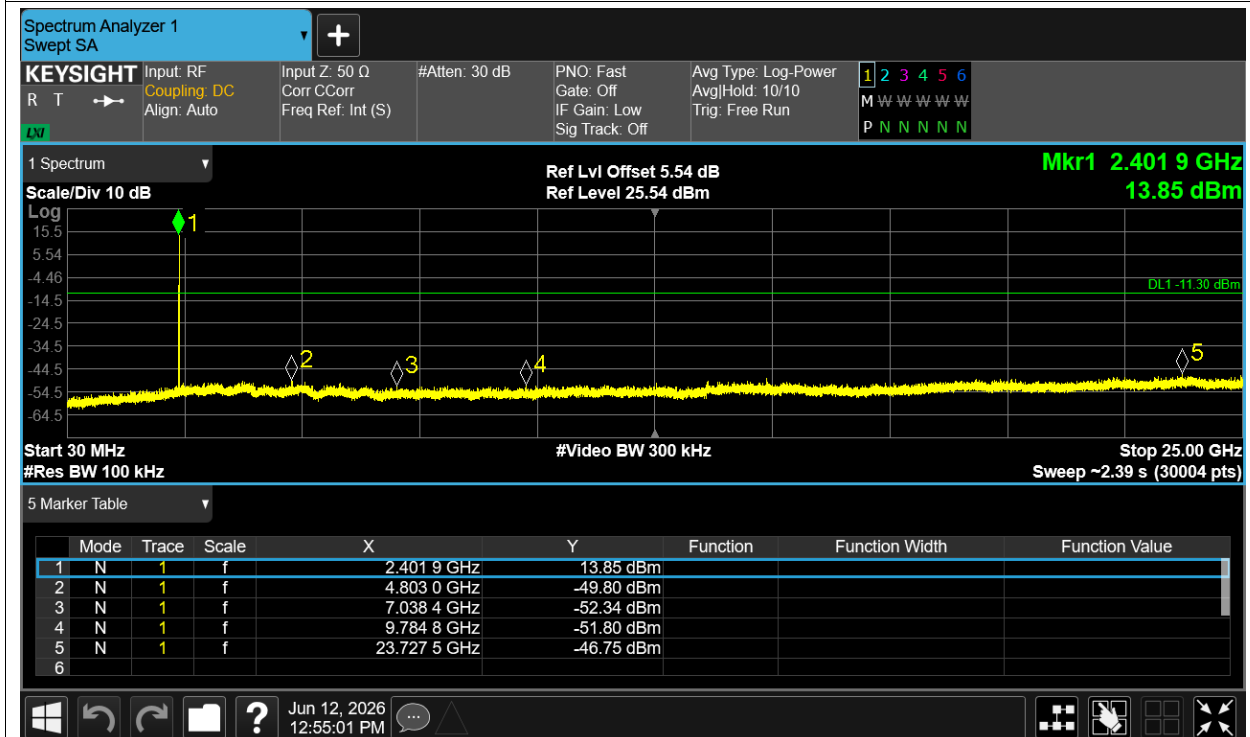
| Condition | Mode  | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | -55.45          | -20         | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | -59.62          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | -60.08          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | -55.52          | -20         | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | -55.47          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | -54.12          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | -56.04          | -20         | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | -58.22          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | -54.44          | -20         | Pass    |

## Test Graphs

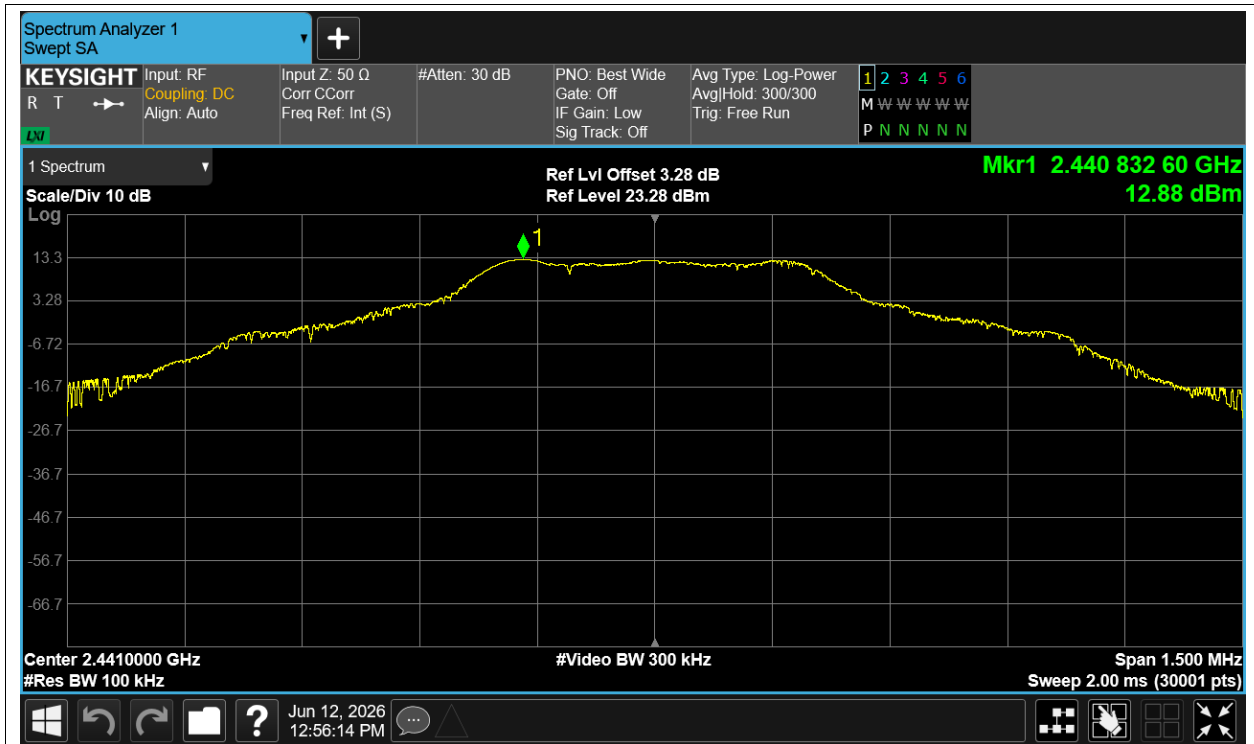
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



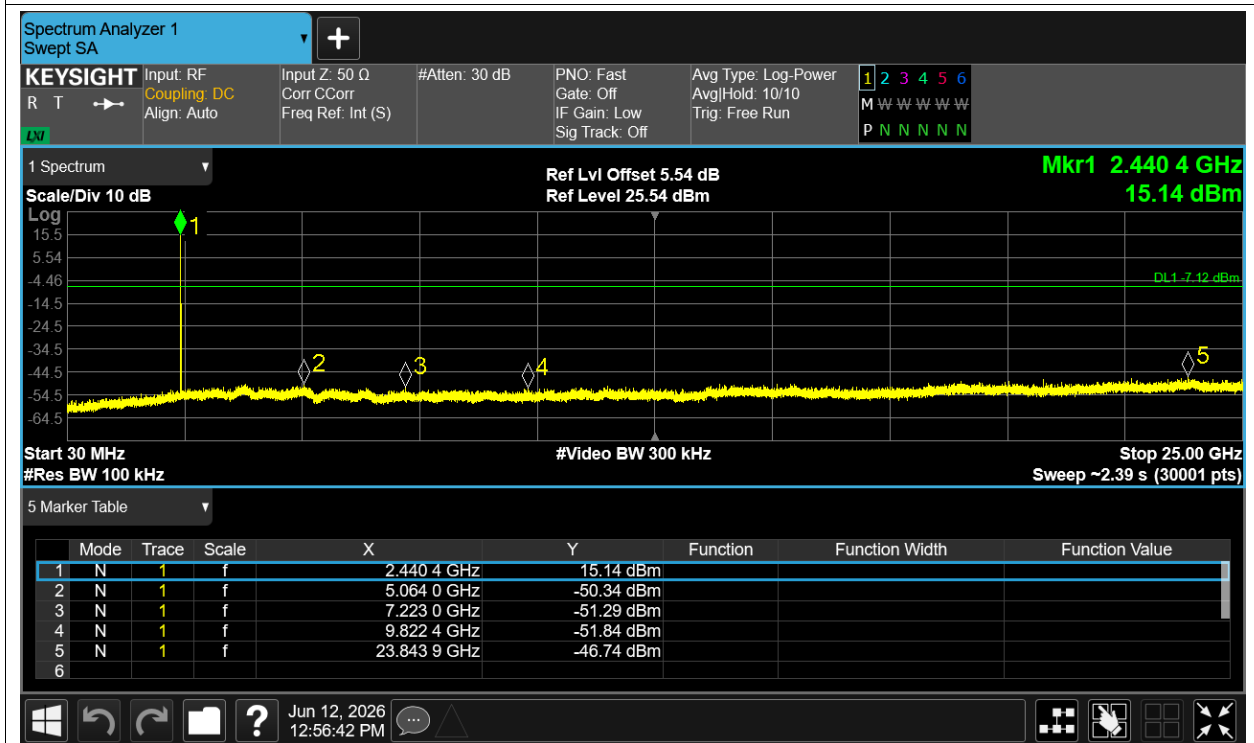
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



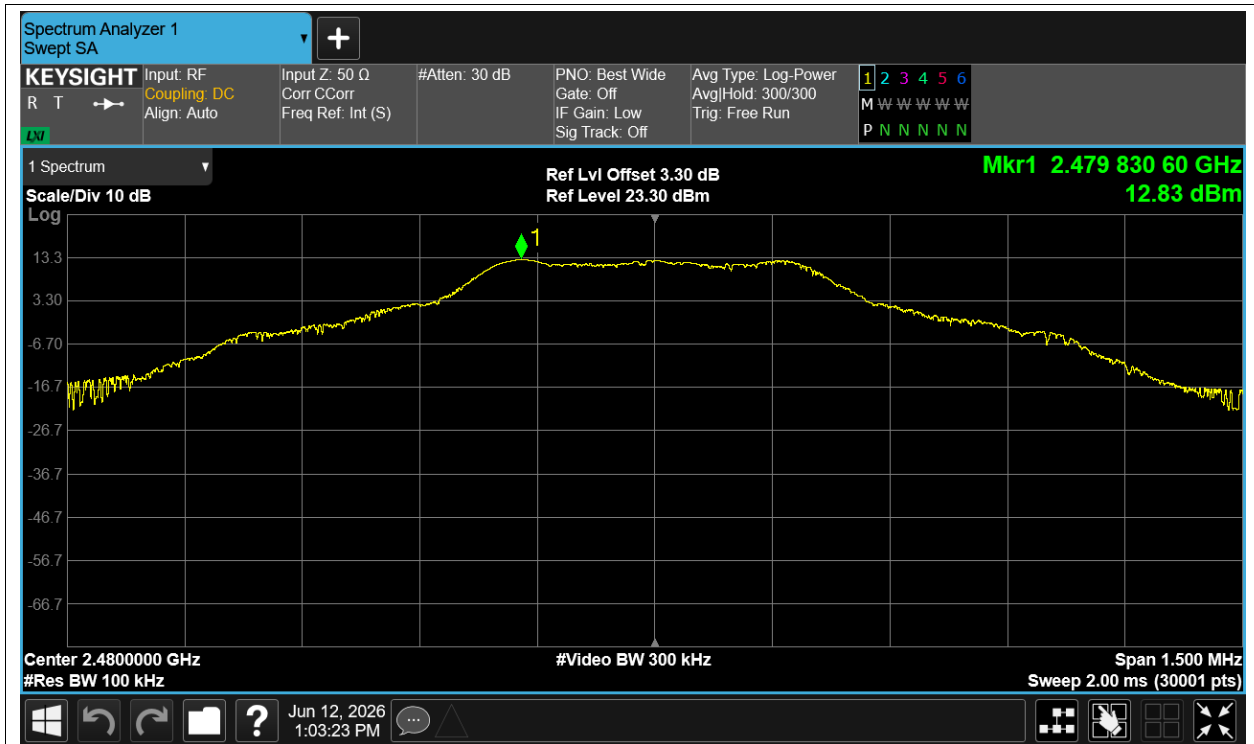
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



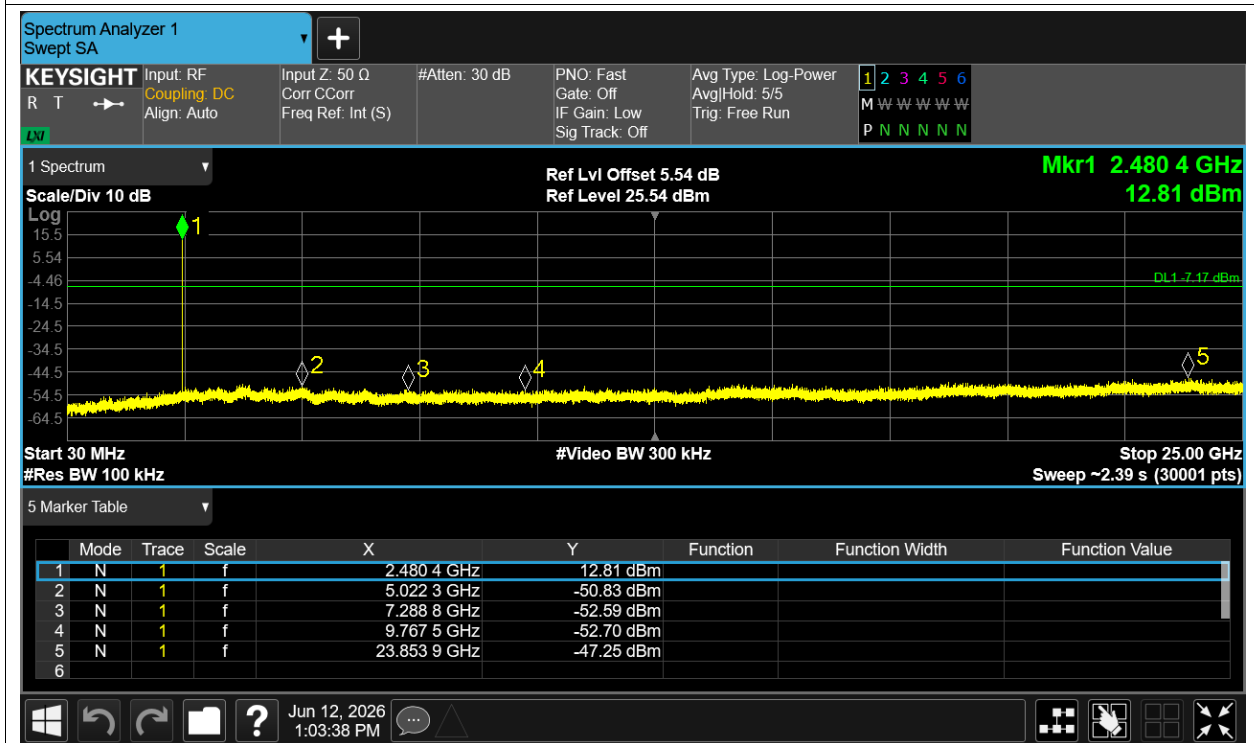
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



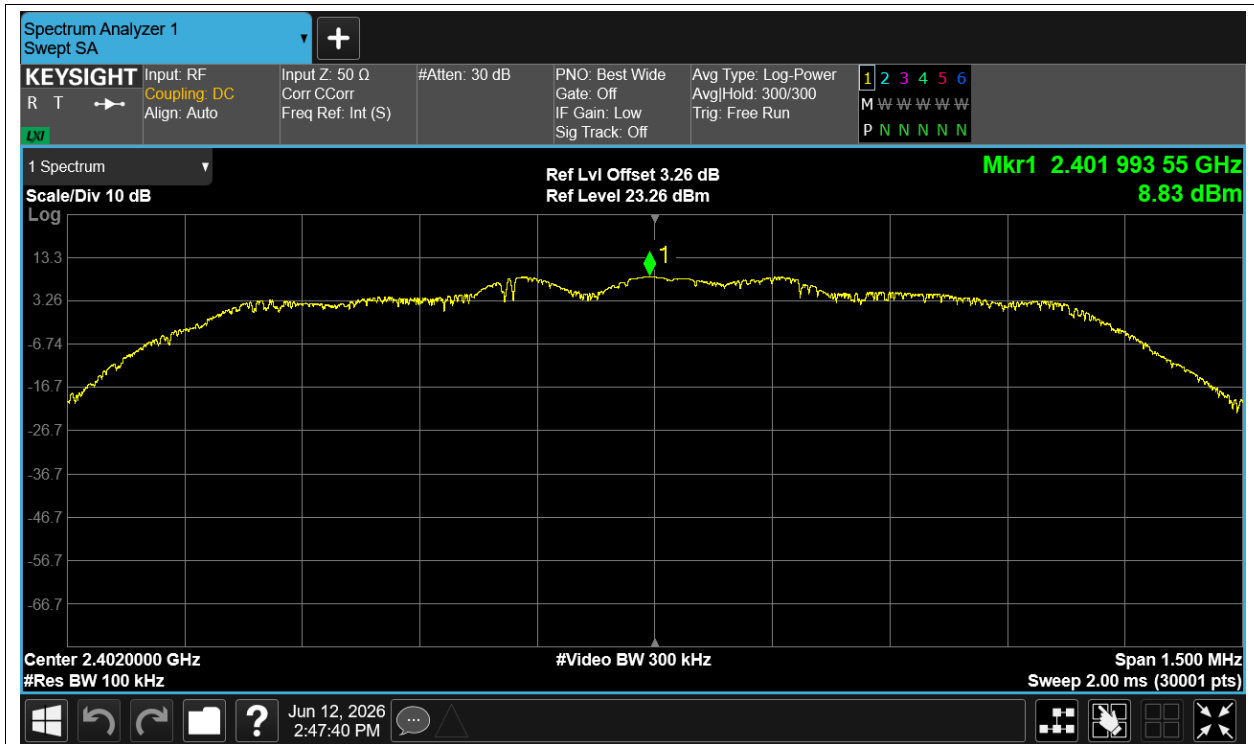
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



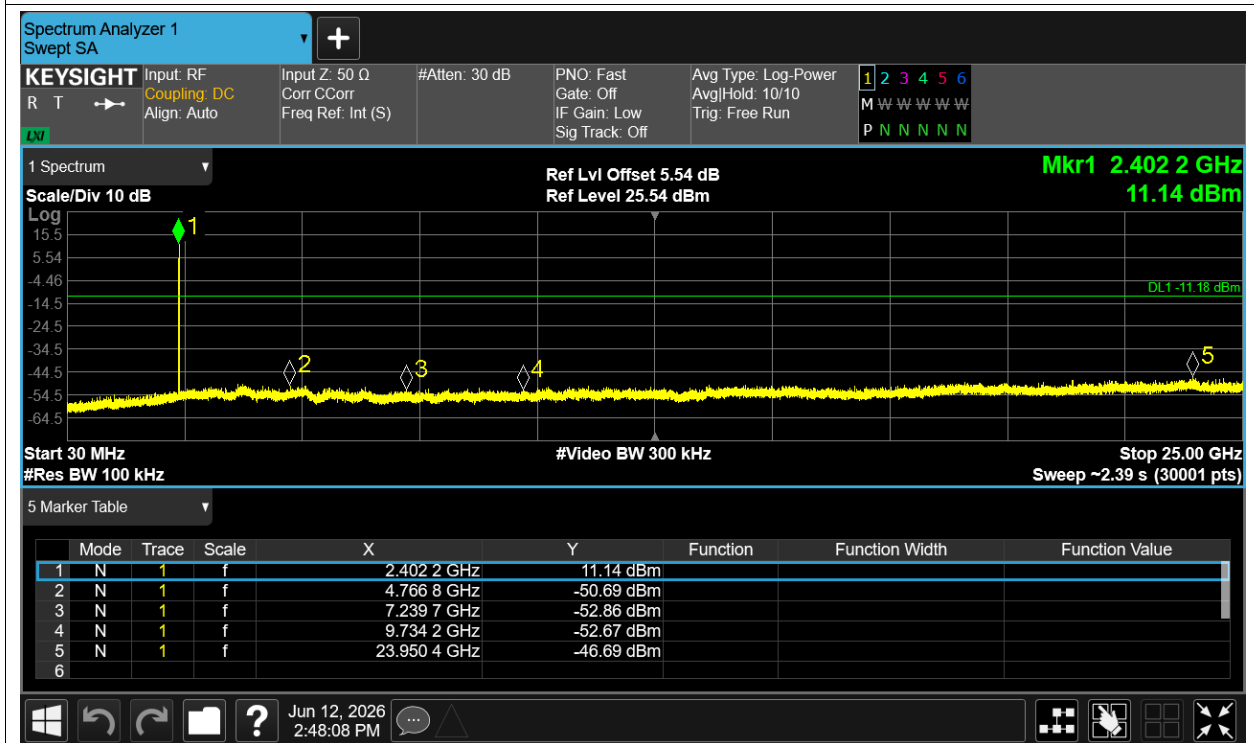
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



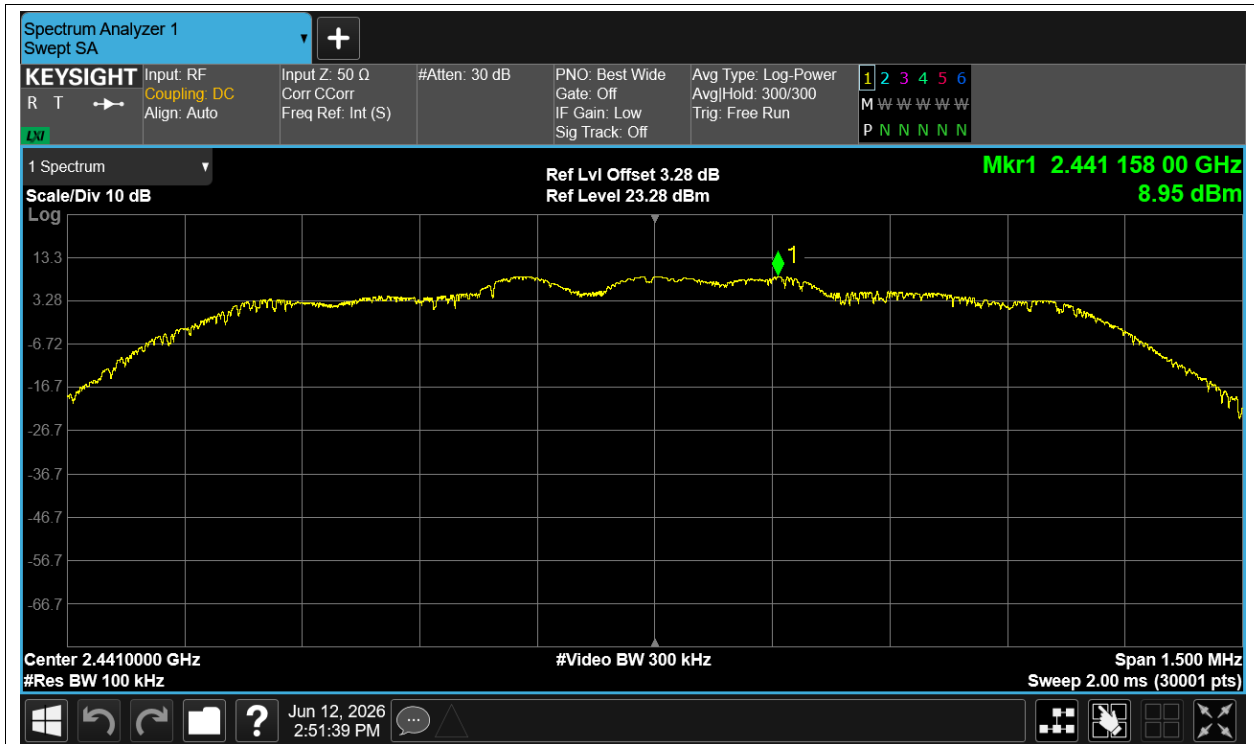
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



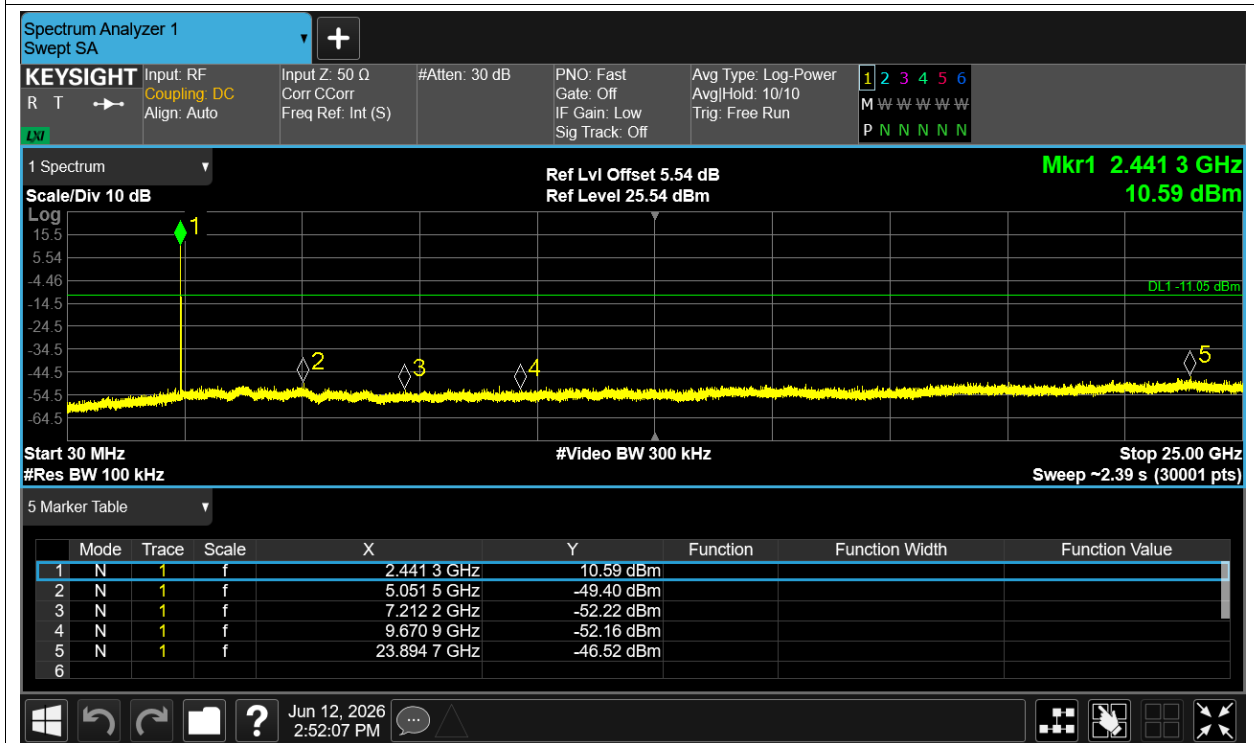
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



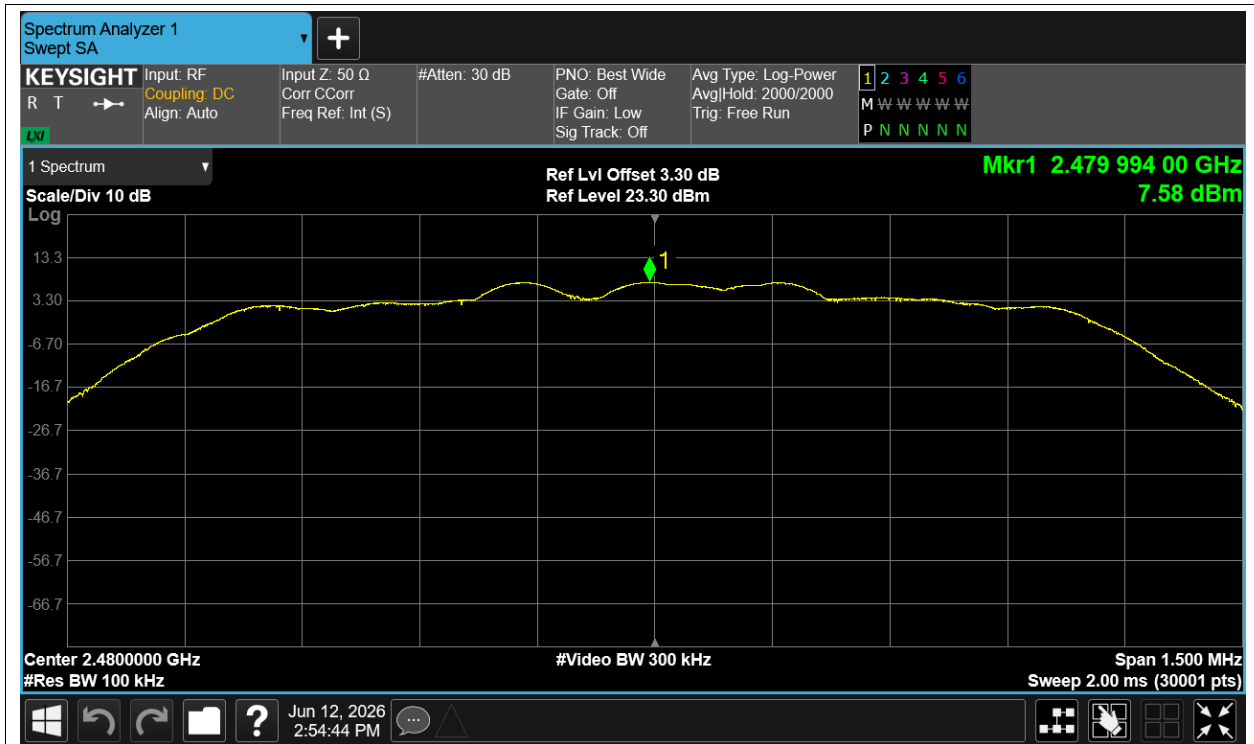
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



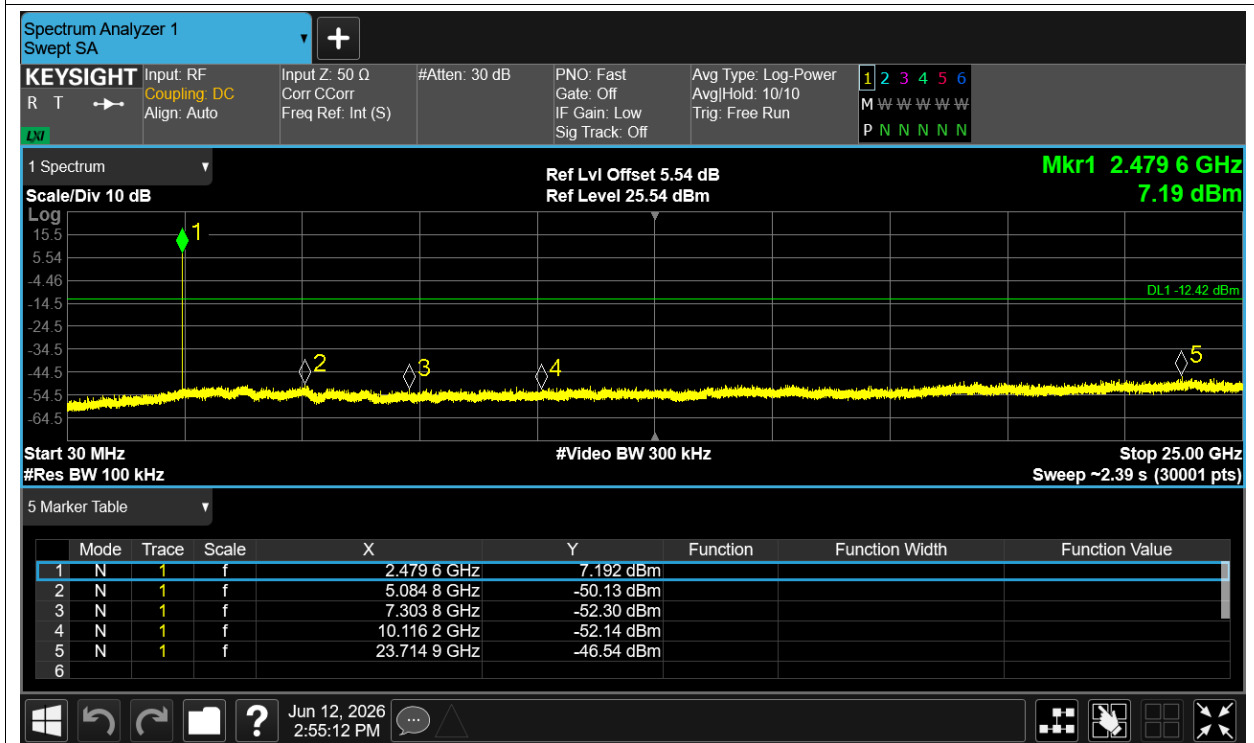
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



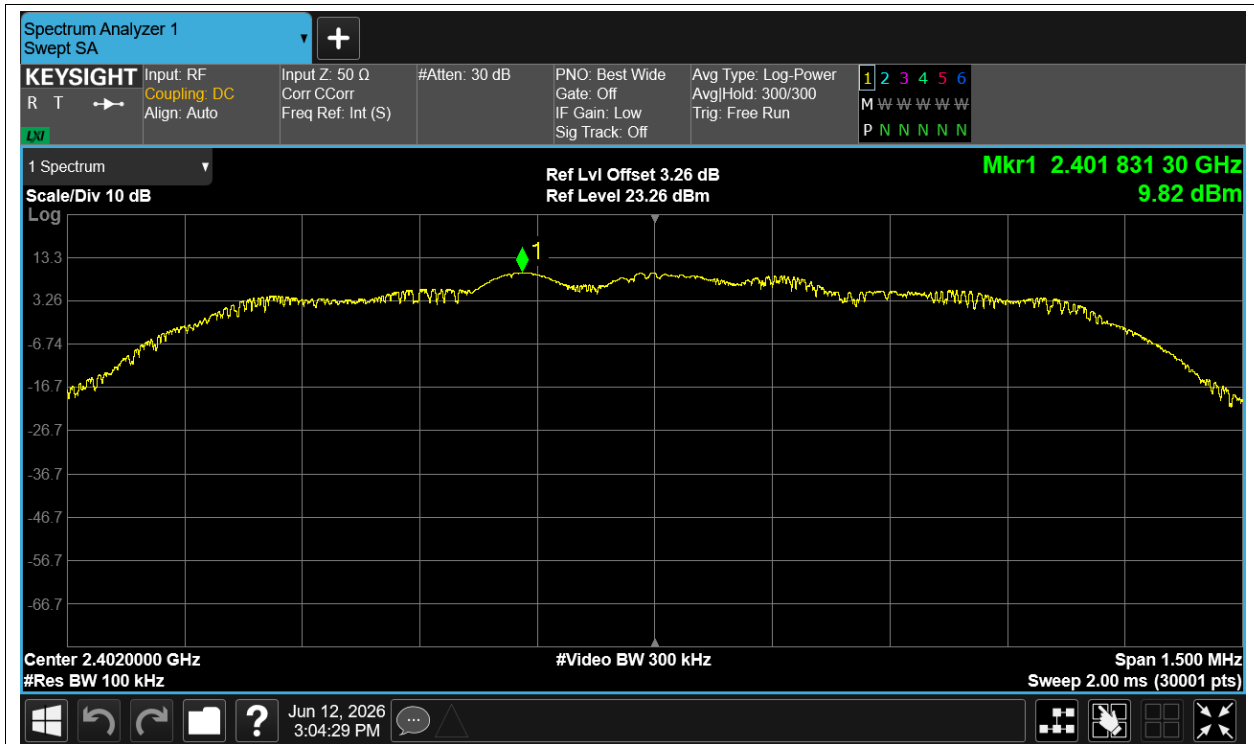
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



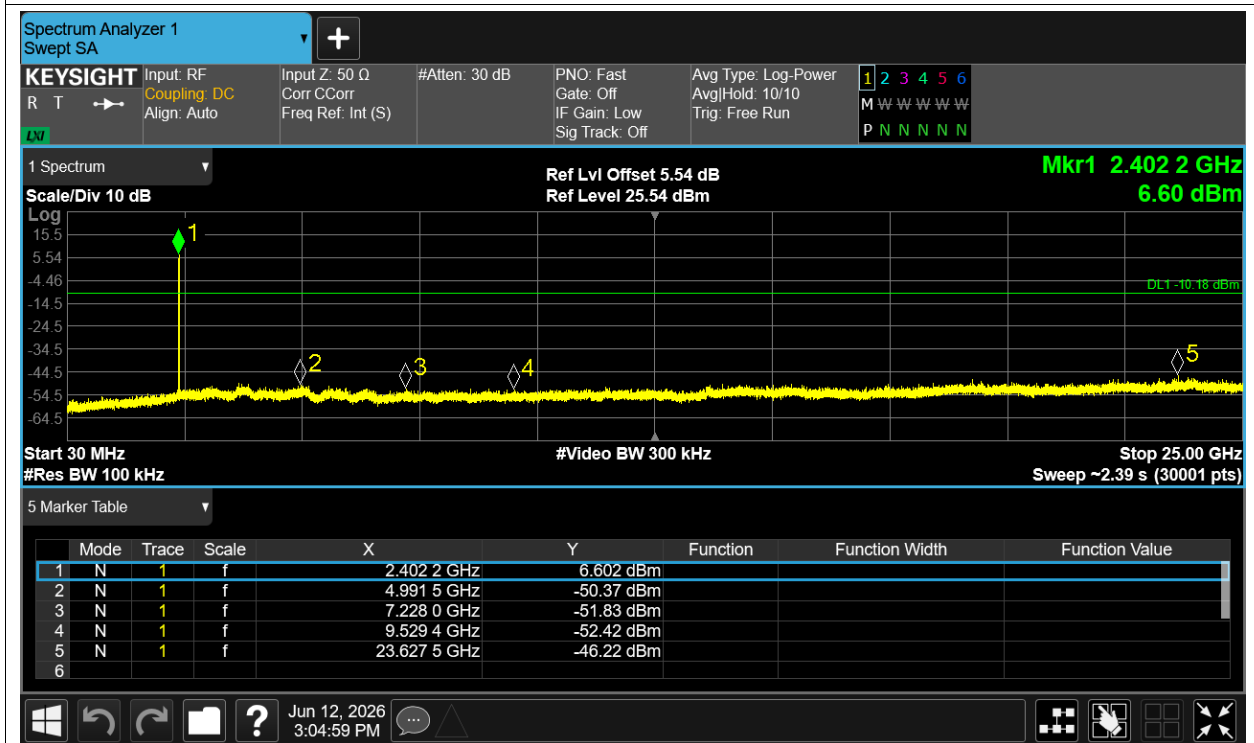
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



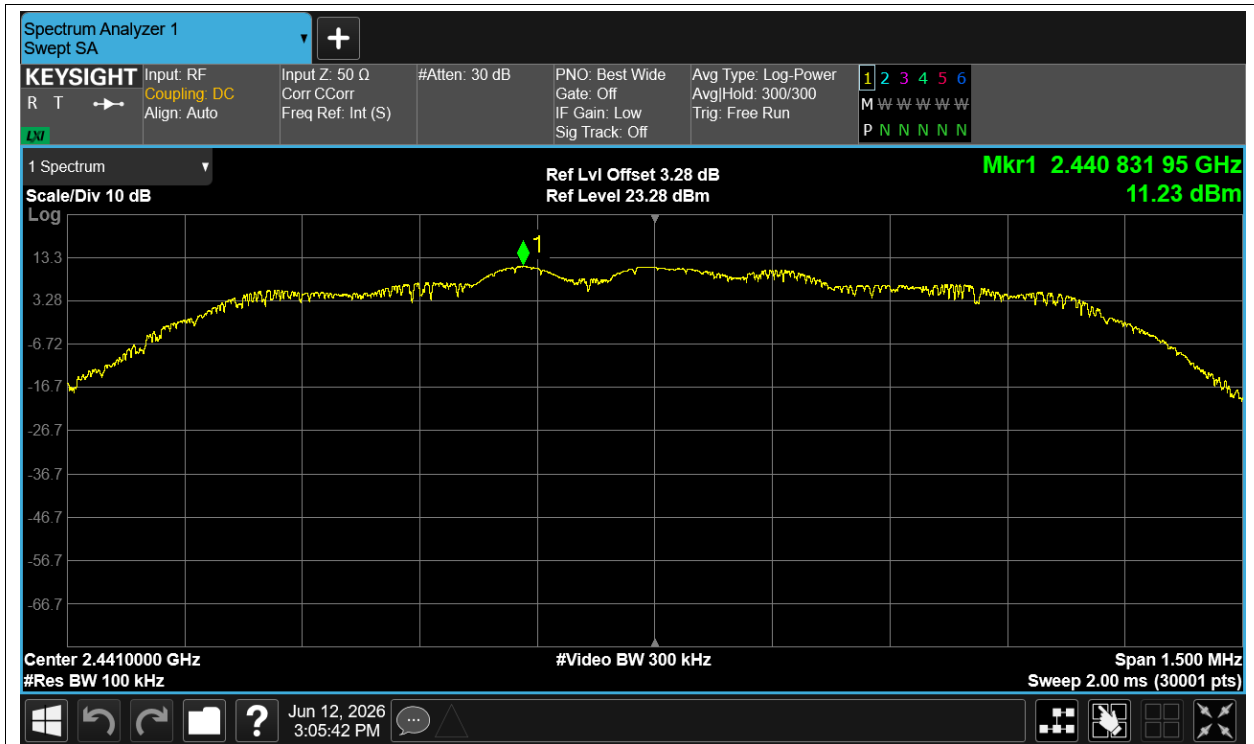
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



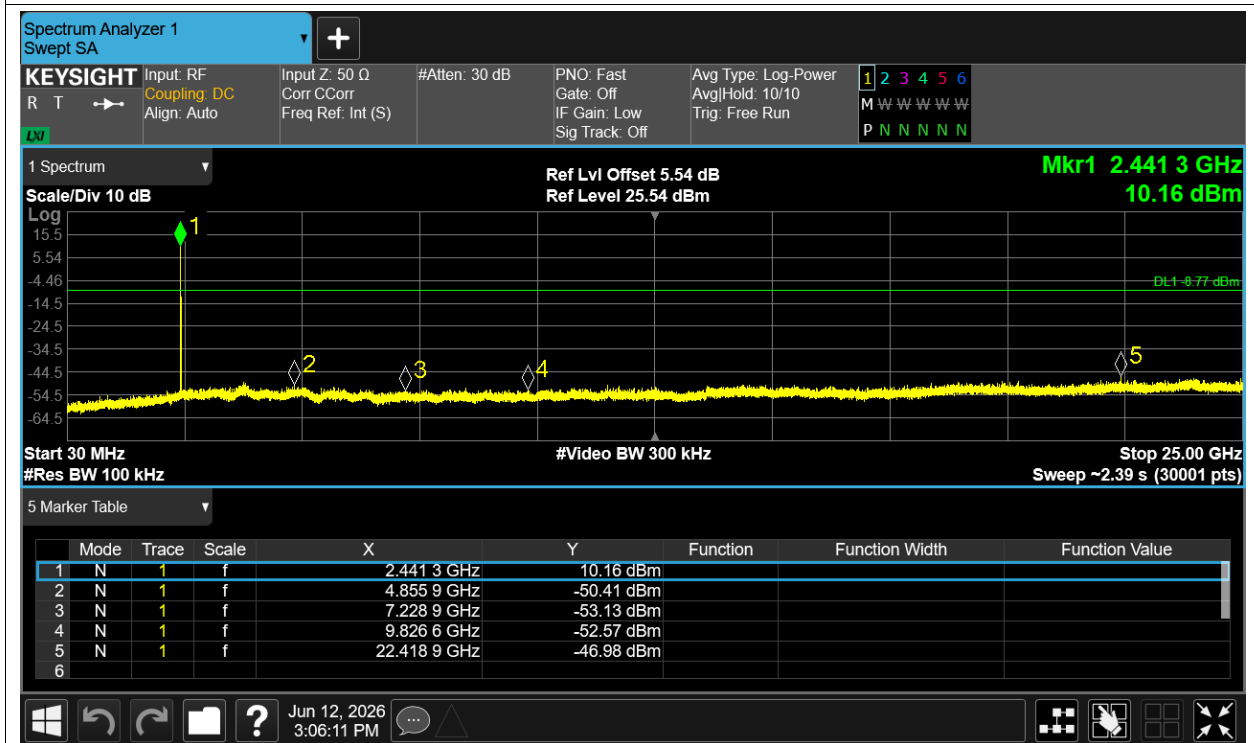
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



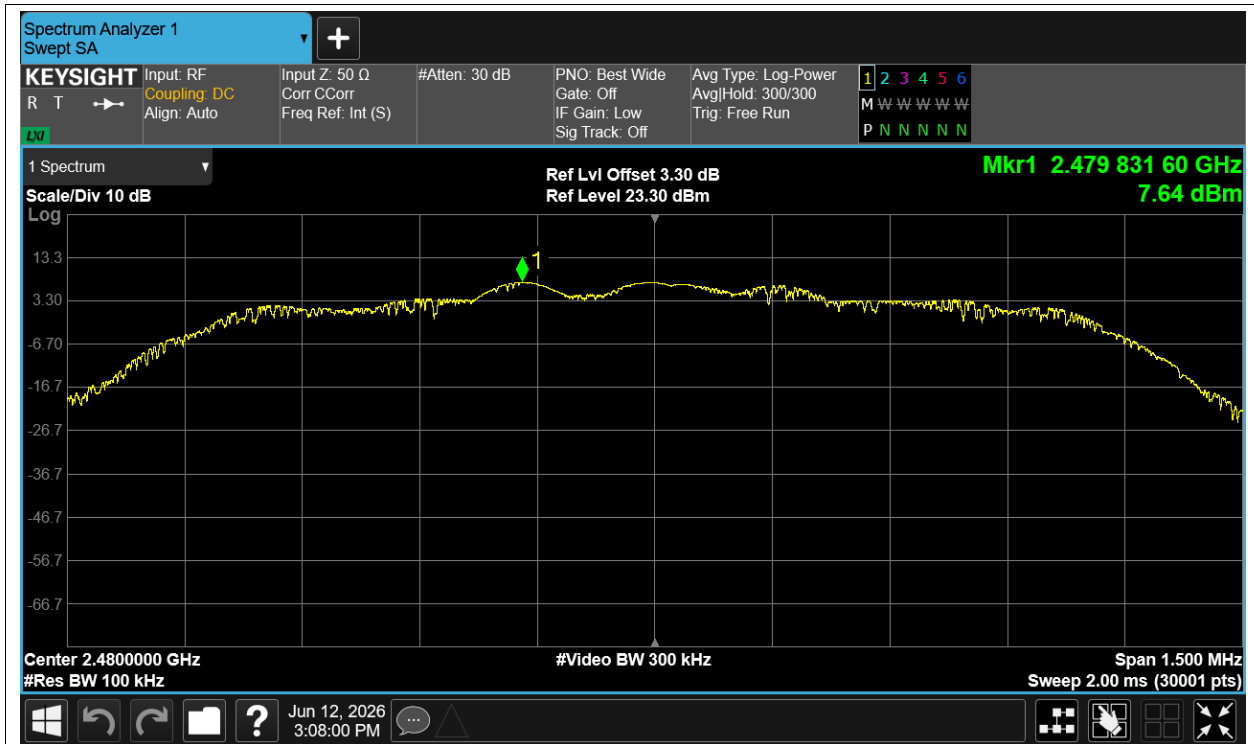
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



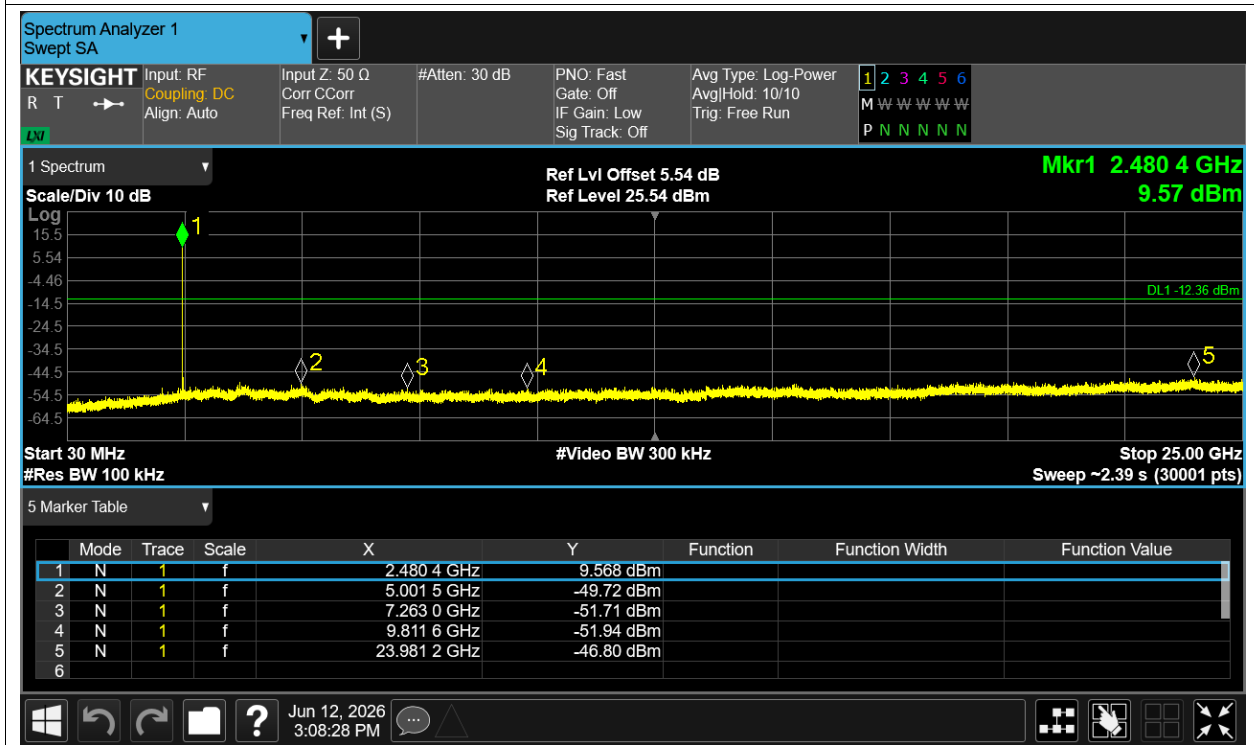
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission

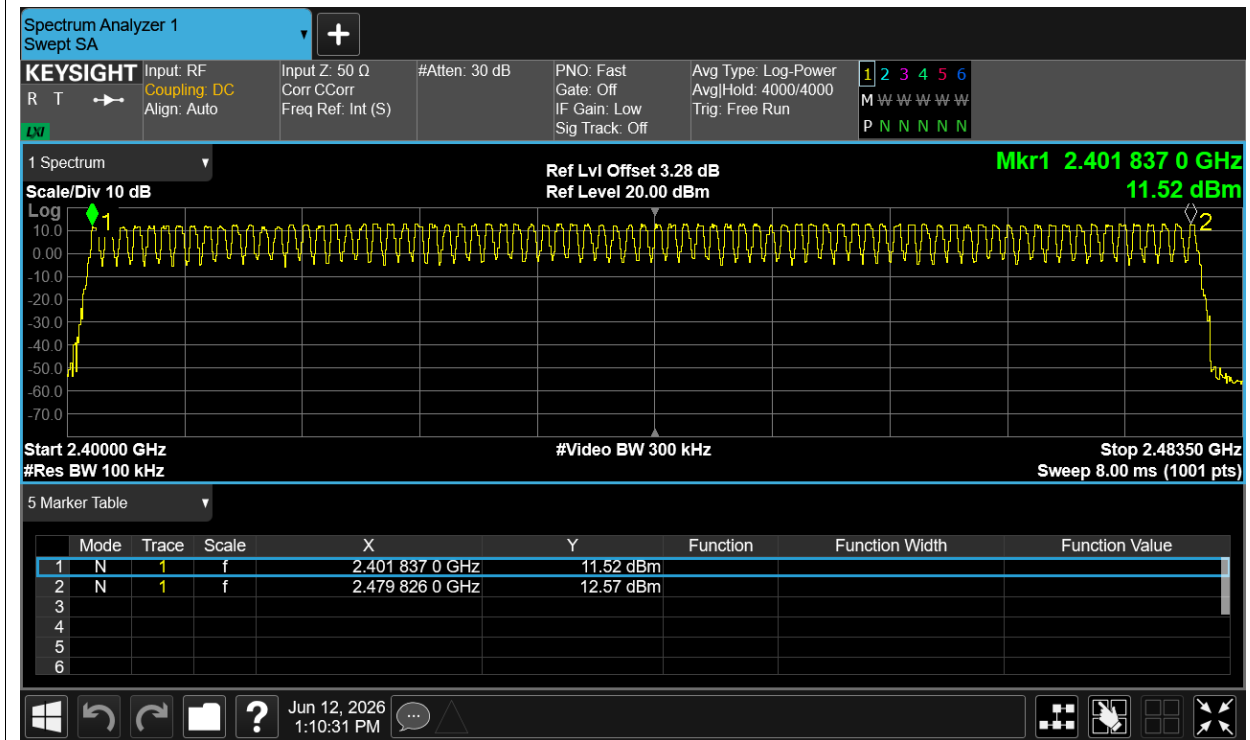


## Number of Hopping Channel

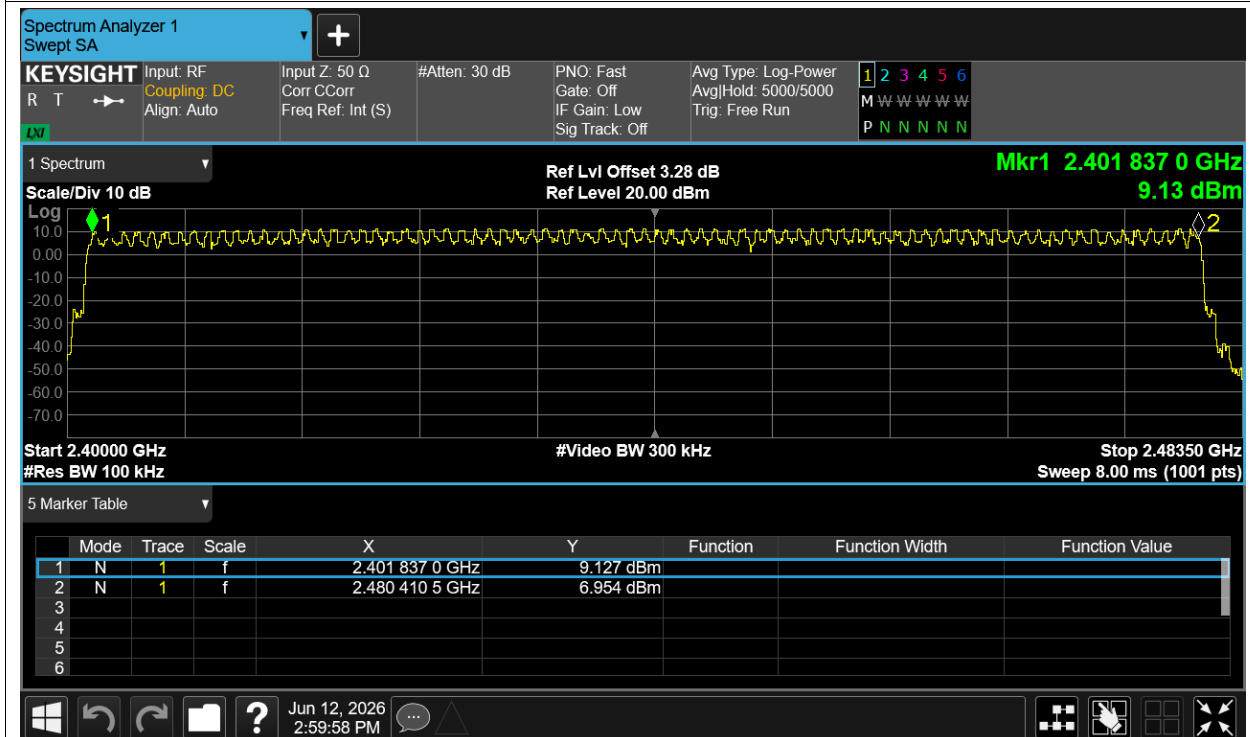
| Condition | Mode  | Antenna | Hopping Number | Limit | Verdict |
|-----------|-------|---------|----------------|-------|---------|
| NVNT      | 1-DH1 | Ant1    | 79             | 75    | Pass    |
| NVNT      | 2-DH1 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 3-DH1 | Ant1    | 79             | 15    | Pass    |

## Test Graphs

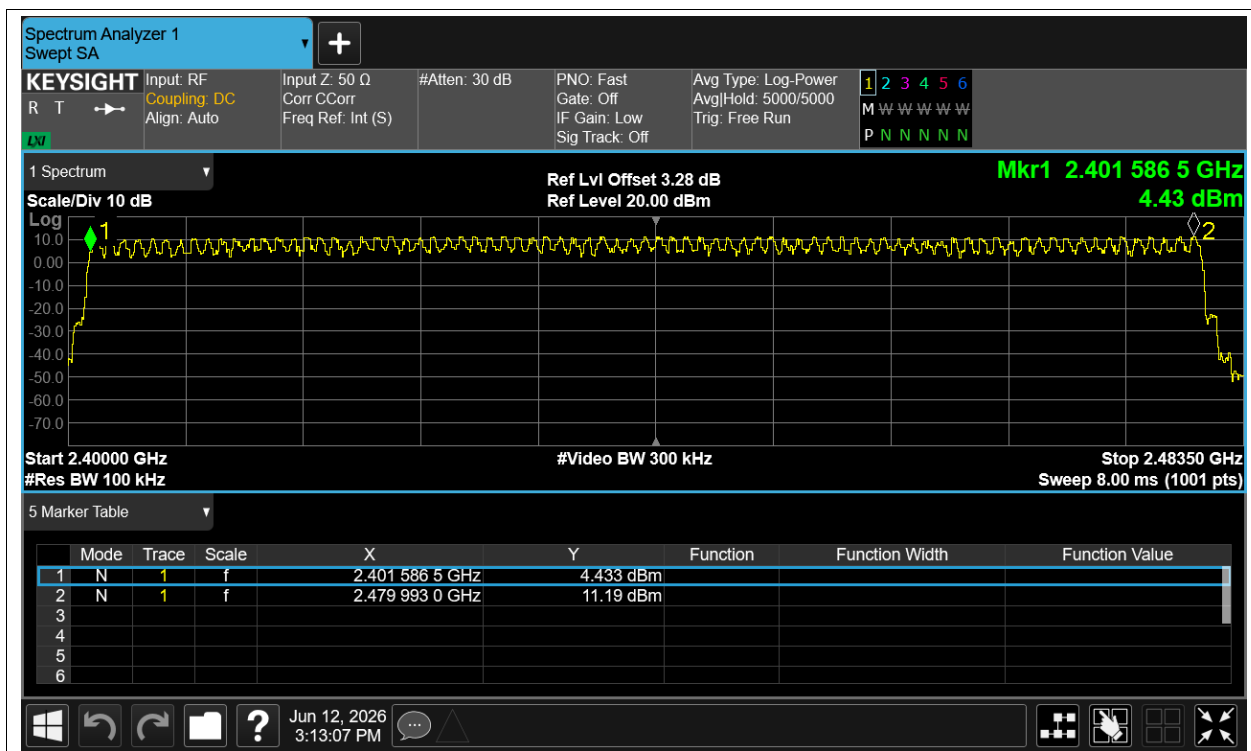
Hopping No. NVNT 1-DH1 2441MHz Ant1.



Hopping No. NVNT 2-DH1 2441MHz Ant1



Hopping No. NVNT 3-DH1 2441MHz Ant1



## Dwell Time

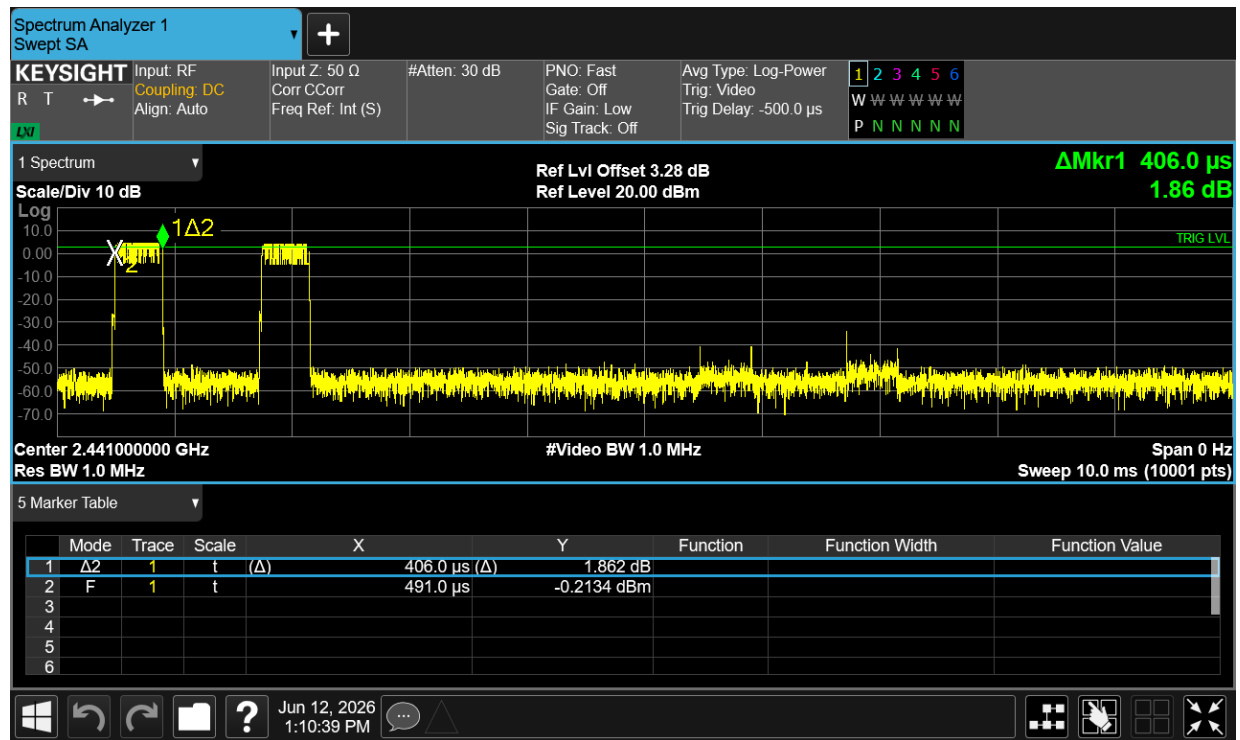
| Condition | Mode  | Frequency (MHz) | Antenna | Pulse Time (ms) | Total Dwell Time (ms) | Period Time (ms) | Limit (ms) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-----------------------|------------------|------------|---------|
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.406           | 129.92                | 31600            | 400        | Pass    |
| NVNT      | 1-DH3 | 2441            | Ant1    | 1.662           | 265.92                | 31600            | 400        | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 2.91            | 310.4                 | 31600            | 400        | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 0.398           | 127.36                | 31600            | 400        | Pass    |
| NVNT      | 2-DH3 | 2441            | Ant1    | 1.649           | 263.84                | 31600            | 400        | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | 2.898           | 309.12                | 31600            | 400        | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 0.397           | 127.04                | 31600            | 400        | Pass    |
| NVNT      | 3-DH3 | 2441            | Ant1    | 1.646           | 263.36                | 31600            | 400        | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 2.896           | 308.907               | 31600            | 400        | Pass    |

Note:

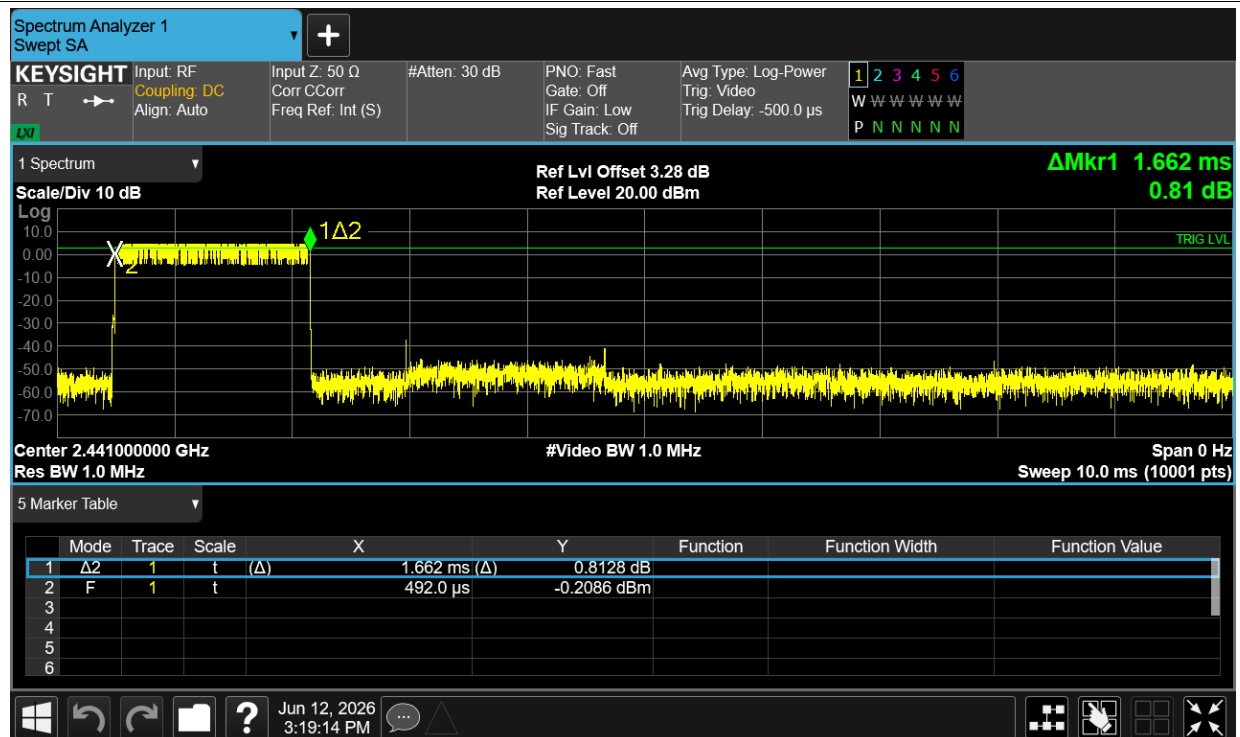
1. In DH1 mode, hopping rate is 1600 hops/s with 2 slots in 79 hopping channels. With channel hopping rate (1600/2/79) in Occupancy Time Limit (0.4 x 79) (s), Hops Over Occupancy Time comes to (1600/2/79)x(0.4 x 79)= 320 hops. Total Dwell time= Pulse Time x 320.
2. In DH3 mode, hopping rate is 1600 hops/s with 4 slots in 79 hopping channels. With channel hopping rate (1600/4/79) in Occupancy Time Limit (0.4 x 79) (s), Hops Over Occupancy Time comes to (1600/4/79)x(0.4 x 79)= 160 hops. Total Dwell time= Pulse Time x 160.
3. In DH5 mode, hopping rate is 1600 hops/s with 6 slots in 79 hopping channels. With channel hopping rate (1600/6/79) in Occupancy Time Limit (0.4 x 79) (s), Hops Over Occupancy Time comes to (1600/6/79)x(0.4 x 79)= 106.67 hops. Total Dwell time= Pulse Time x 106.67.

## Test Graphs

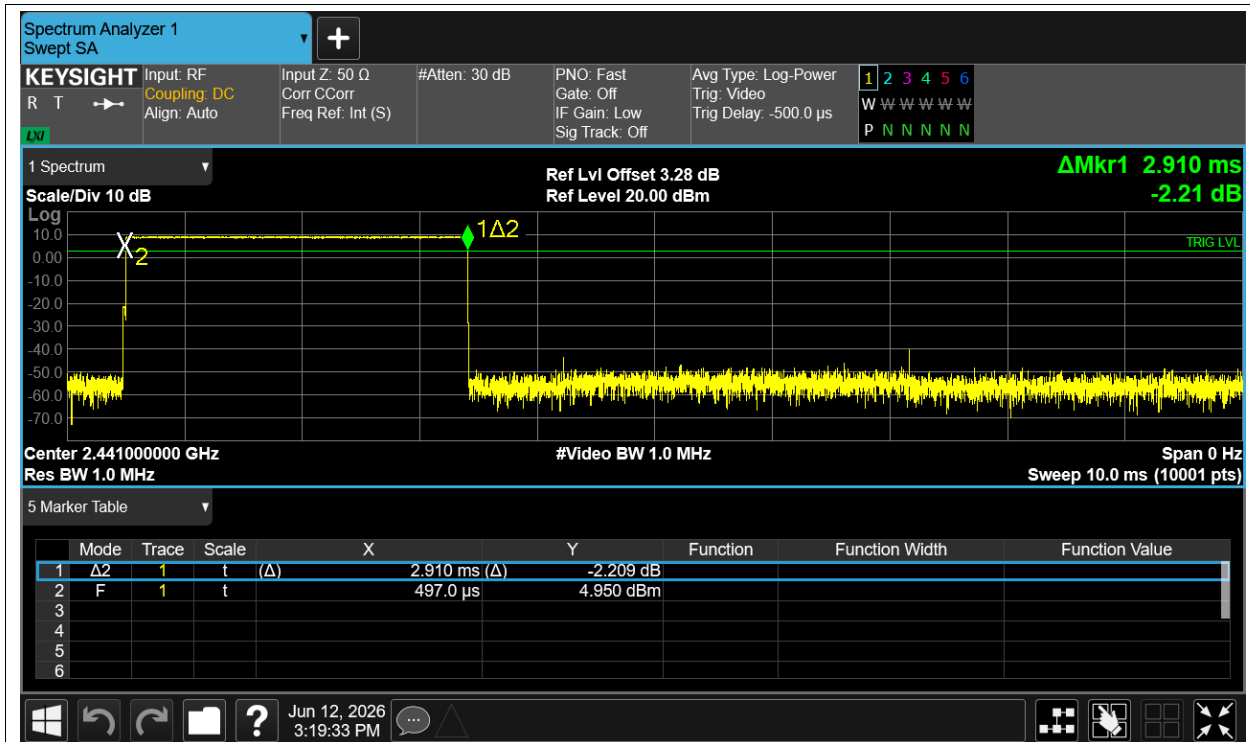
### Dwell NVNT 1-DH1 2441MHz Ant1



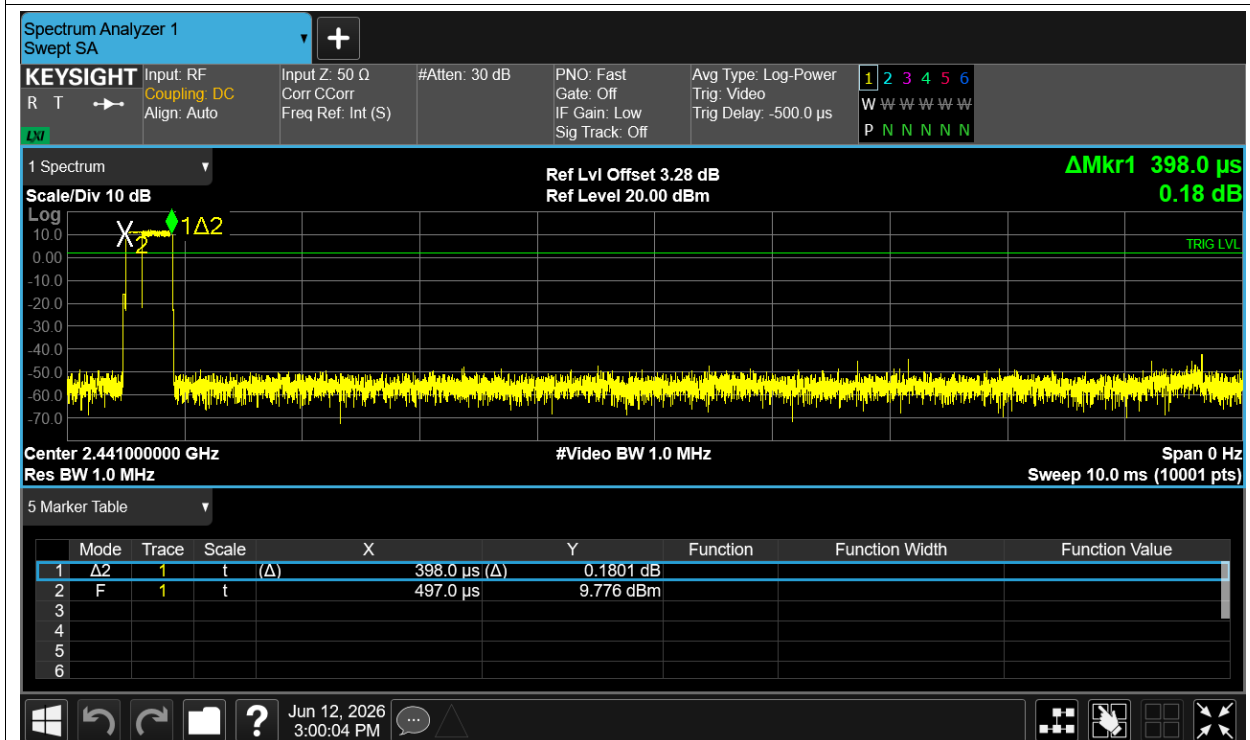
### Dwell NVNT 1-DH3 2441MHz Ant1



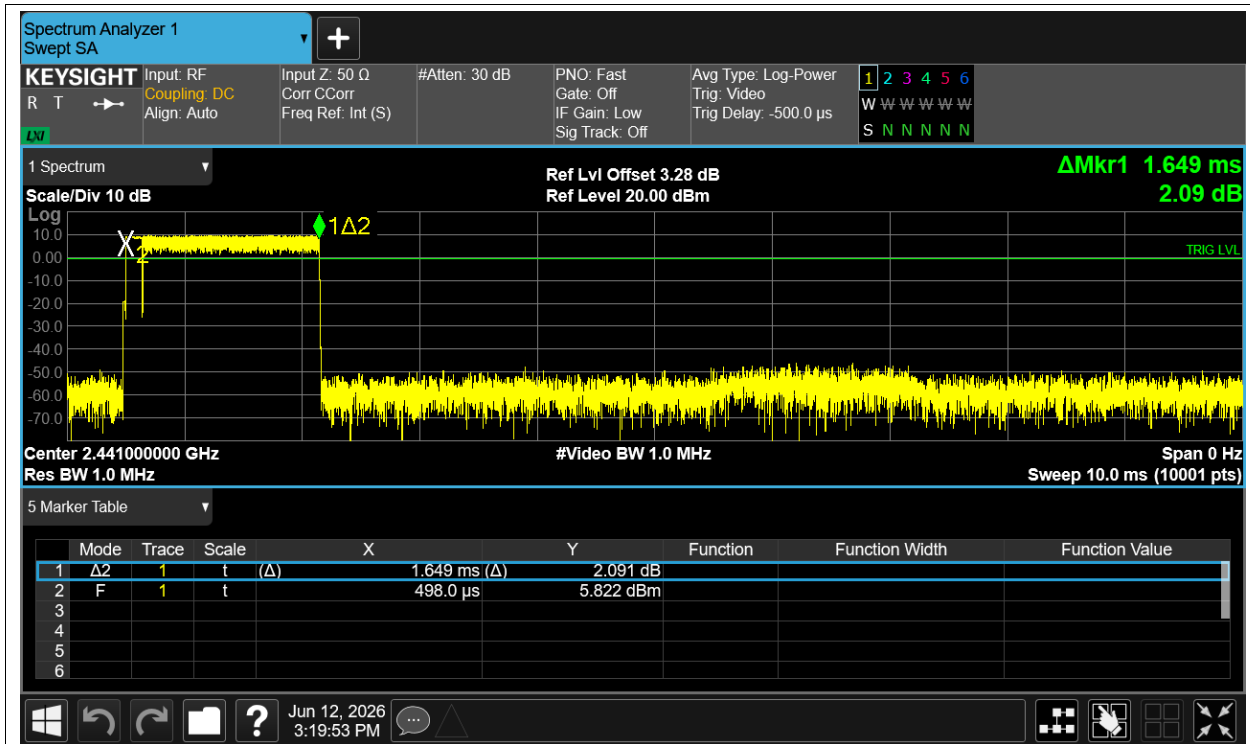
### Dwell NVNT 1-DH5 2441MHz Ant1



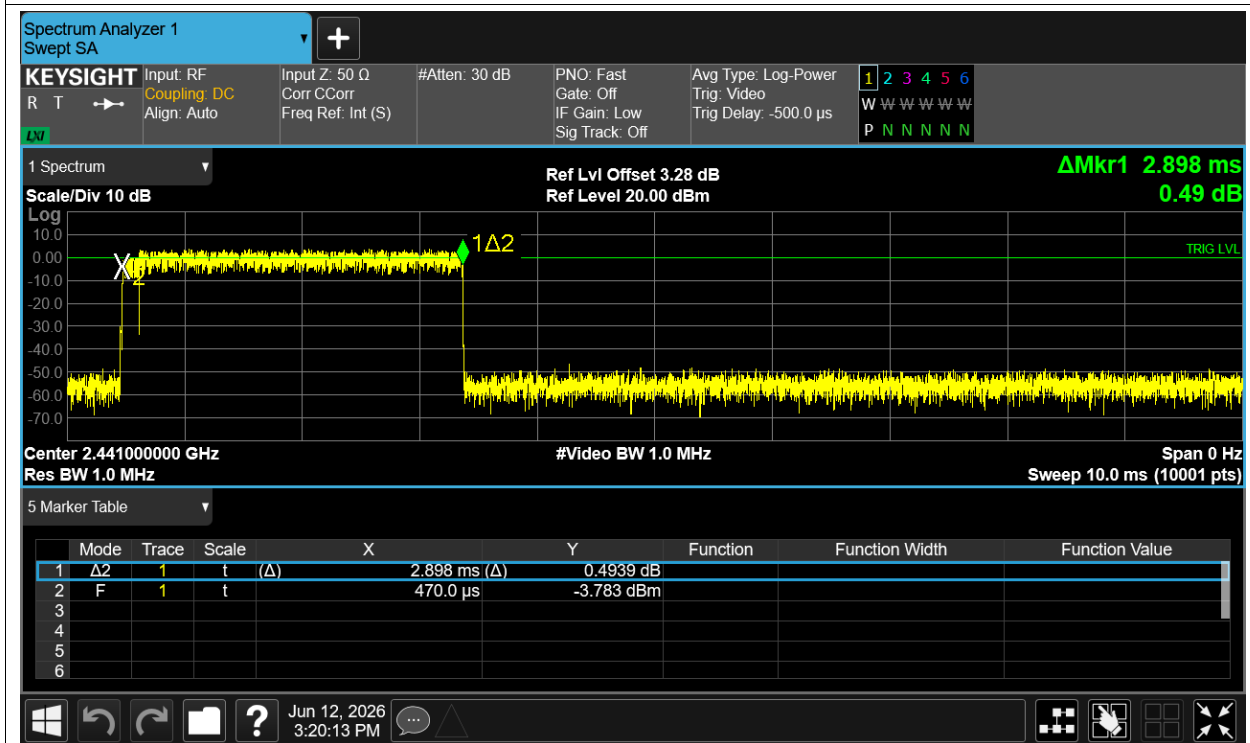
Dwell NVNT 2-DH1 2441MHz Ant1



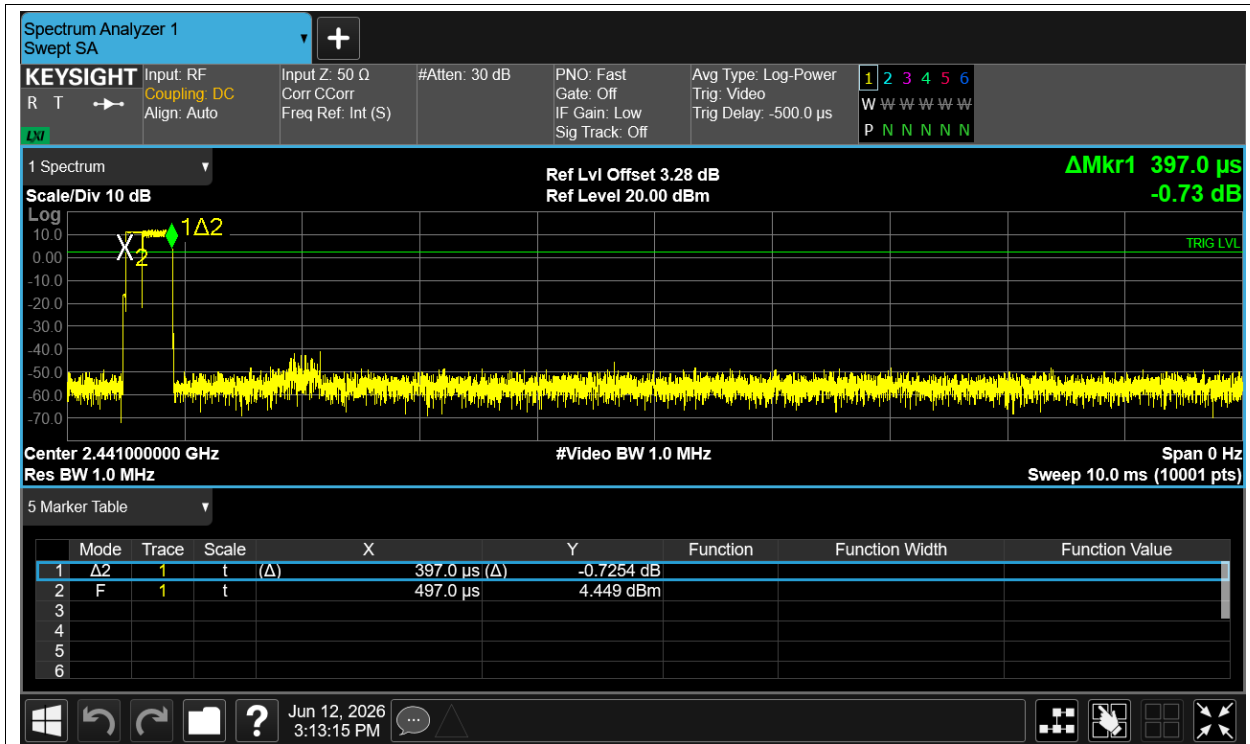
Dwell NVNT 2-DH3 2441MHz Ant1



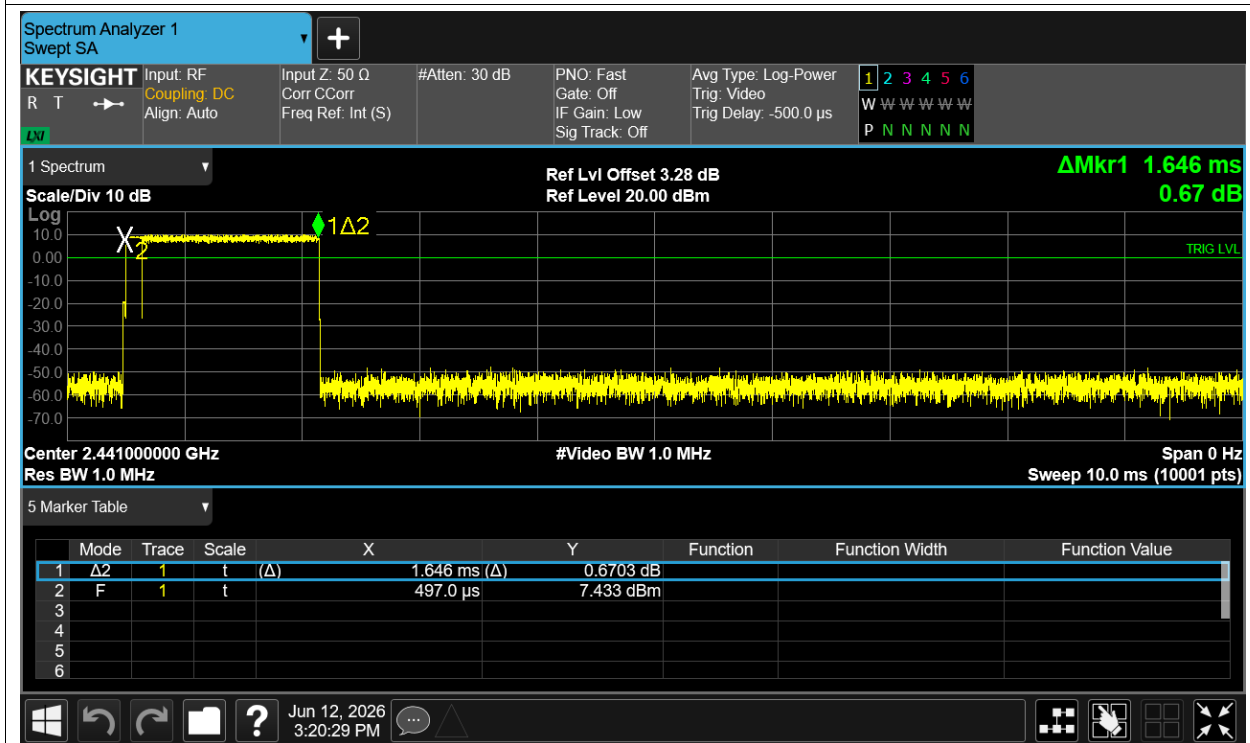
Dwell NVNT 2-DH5 2441MHz Ant1



Dwell NVNT 3-DH1 2441MHz Ant1



Dwell NVNT 3-DH3 2441MHz Ant1



Dwell NVNT 3-DH5 2441MHz Ant1

