

# RF Test Data for Bluetooth (Conducted Measurements)

| General Description of EUT                                                                                                                    |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Product Name:                                                                                                                                 | Smart Watch            |
| Test Model:                                                                                                                                   | Champ 3                |
| Sample ID:                                                                                                                                    | HC-C-202507-0179-01-2# |
| Environmental Conditions                                                                                                                      |                        |
| Temperature:                                                                                                                                  | 24.0℃                  |
| Relative Humidity:                                                                                                                            | 50%                    |
| Test Voltage:                                                                                                                                 | DC 5V                  |
| Test Engineer:                                                                                                                                | Lily Zhang             |
| Note: For a more detailed features description, please refer to the report TBR-C-202507-0179-131<br>The report only show the worst case data. |                        |

## Contents

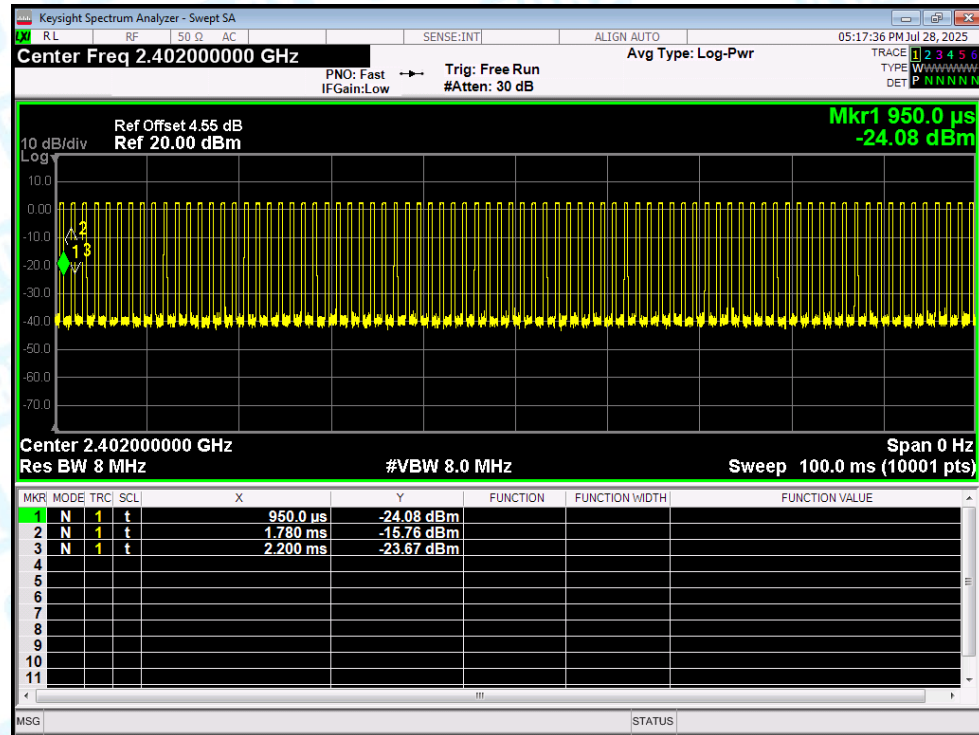
|                                        |    |
|----------------------------------------|----|
| 1. Duty Cycle.....                     | 3  |
| 2. Maximum Conducted Output Power..... | 9  |
| 3. -20dB Bandwidth.....                | 18 |
| 4. Occupied Channel Bandwidth.....     | 24 |
| 5. Band Edge.....                      | 30 |
| 6. Band Edge(Hopping).....             | 37 |
| 7. Conducted RF Spurious Emission..... | 44 |
| 8. Restrict Band.....                  | 54 |
| 9. Carrier Frequencies Separation..... | 61 |
| 10. Number of Hopping Channel.....     | 64 |
| 11. Dwell Time.....                    | 67 |

## 1. Duty Cycle

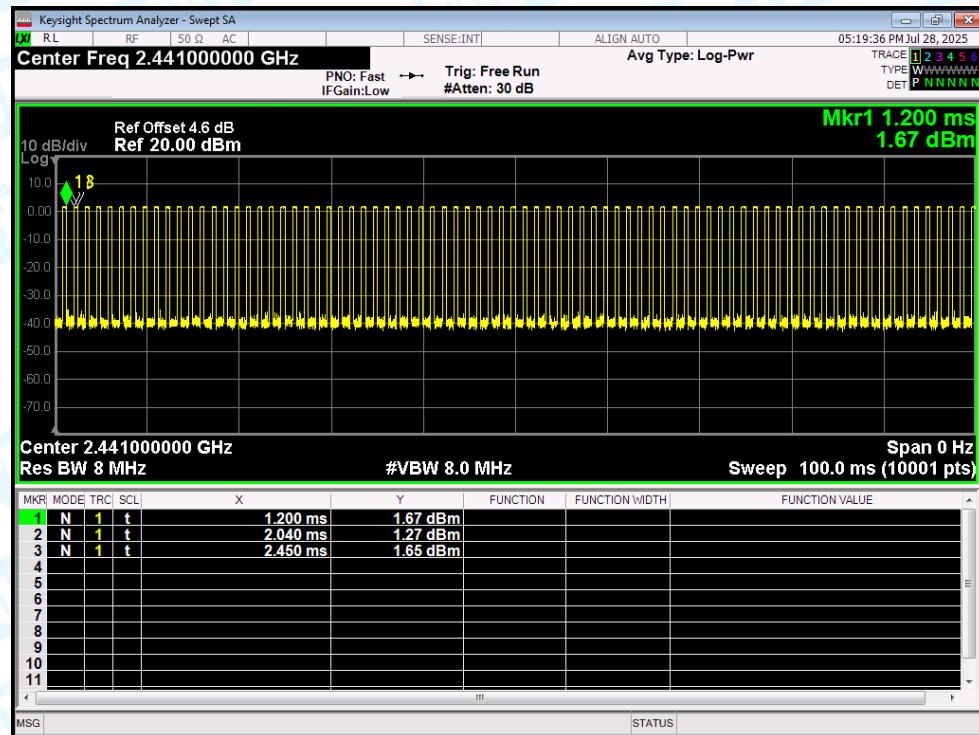
| Condition | Mode  | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|-------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 33.6           | 4.74                   | 2.38      |
| NVNT      | 1-DH1 | 2441            | Ant1    | 32.8           | 4.84                   | 2.44      |
| NVNT      | 1-DH1 | 2480            | Ant1    | 32.54          | 4.88                   | 2.44      |
| NVNT      | 2-DH1 | 2402            | Ant1    | 33.6           | 4.74                   | 2.38      |
| NVNT      | 2-DH1 | 2441            | Ant1    | 33.6           | 4.74                   | 2.38      |
| NVNT      | 2-DH1 | 2480            | Ant1    | 33.6           | 4.74                   | 2.38      |
| NVNT      | 3-DH1 | 2402            | Ant1    | 33.6           | 4.74                   | 2.38      |
| NVNT      | 3-DH1 | 2441            | Ant1    | 33.6           | 4.74                   | 2.38      |
| NVNT      | 3-DH1 | 2480            | Ant1    | 33.6           | 4.74                   | 2.38      |

### Test Graphs

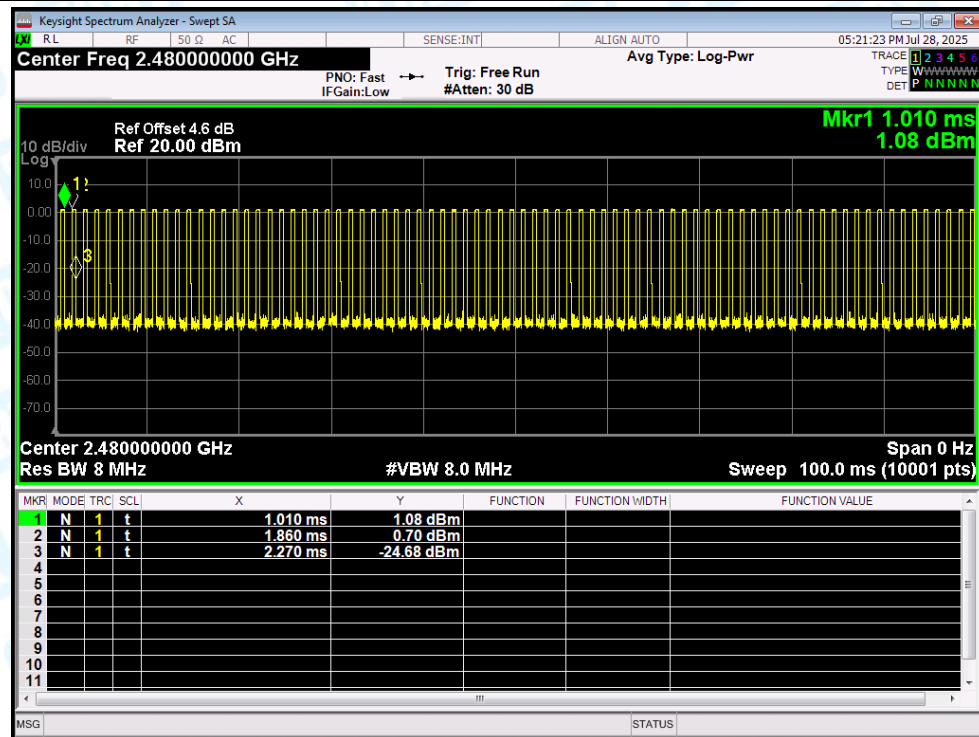
#### Duty Cycle NVNT 1-DH1 2402MHz Ant1



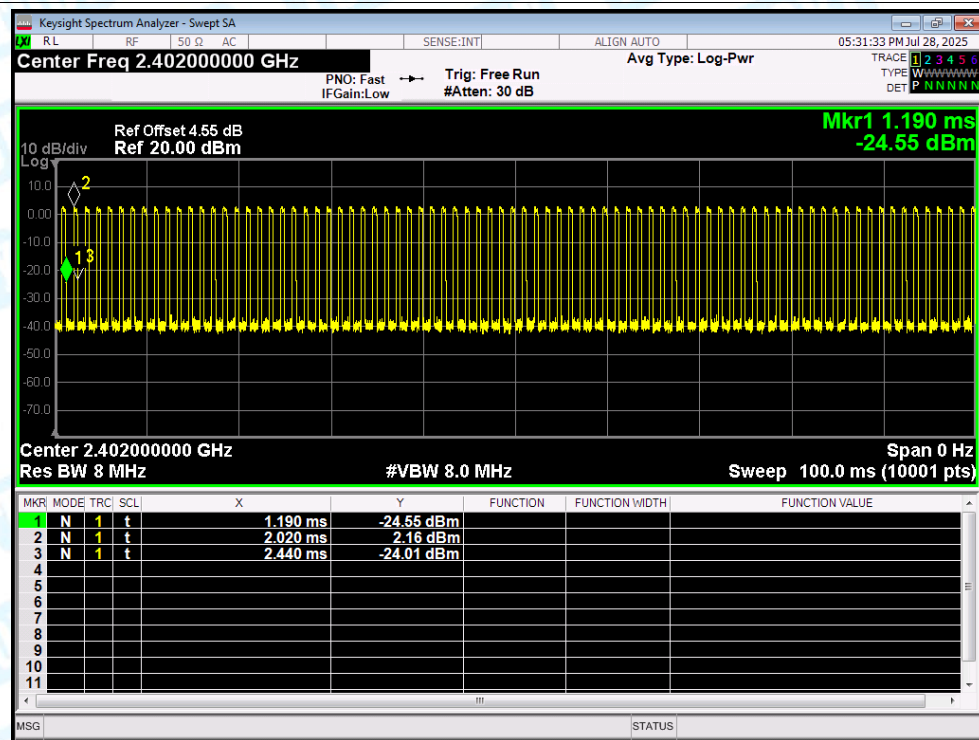
#### Duty Cycle NVNT 1-DH1 2441MHz Ant1



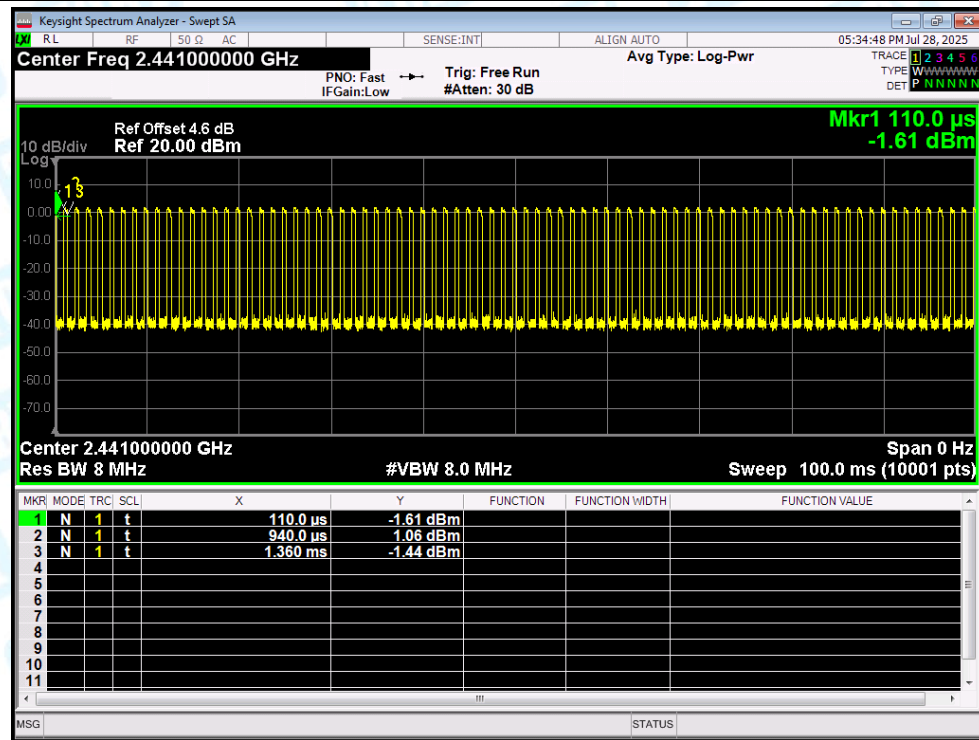
### Duty Cycle NVNT 1-DH1 2480MHz Ant1



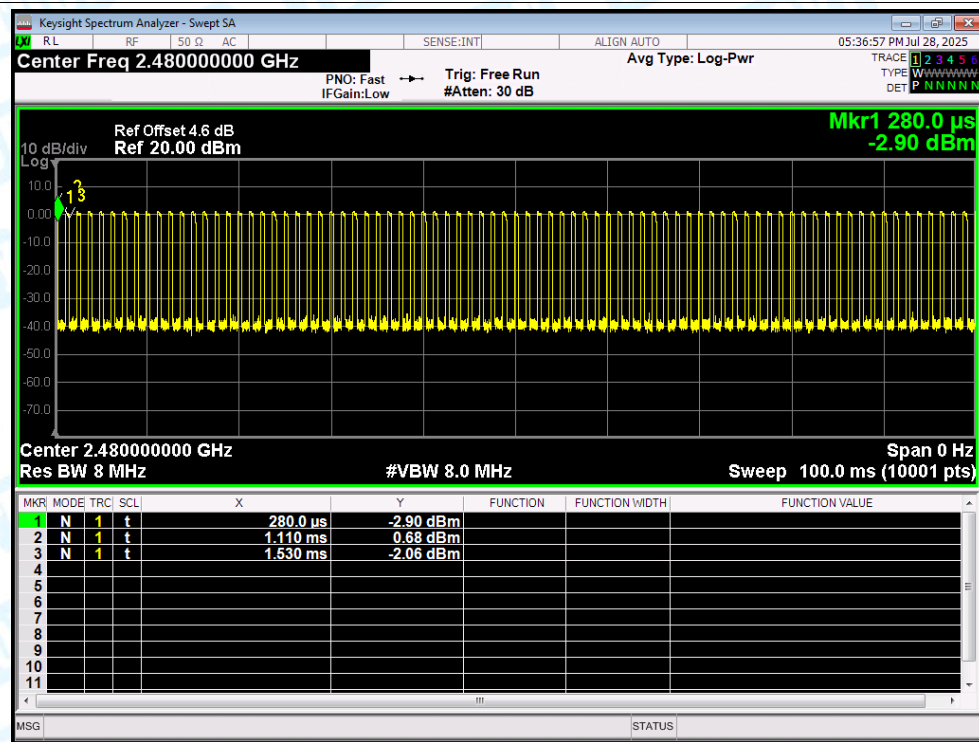
### Duty Cycle NVNT 2-DH1 2402MHz Ant1



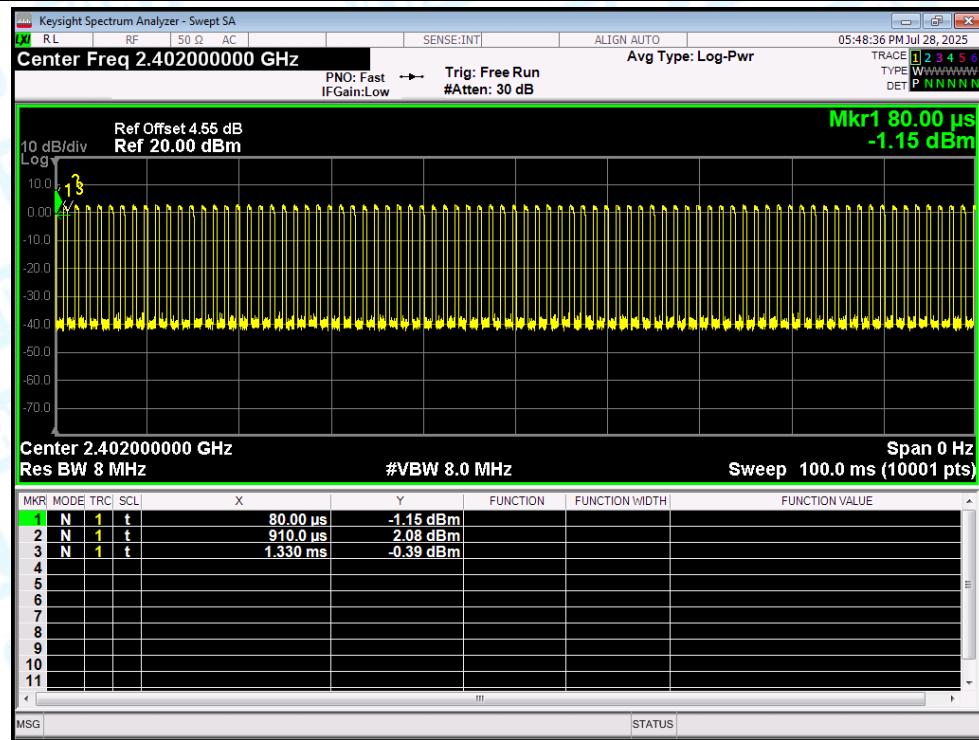
### Duty Cycle NVNT 2-DH1 2441MHz Ant1



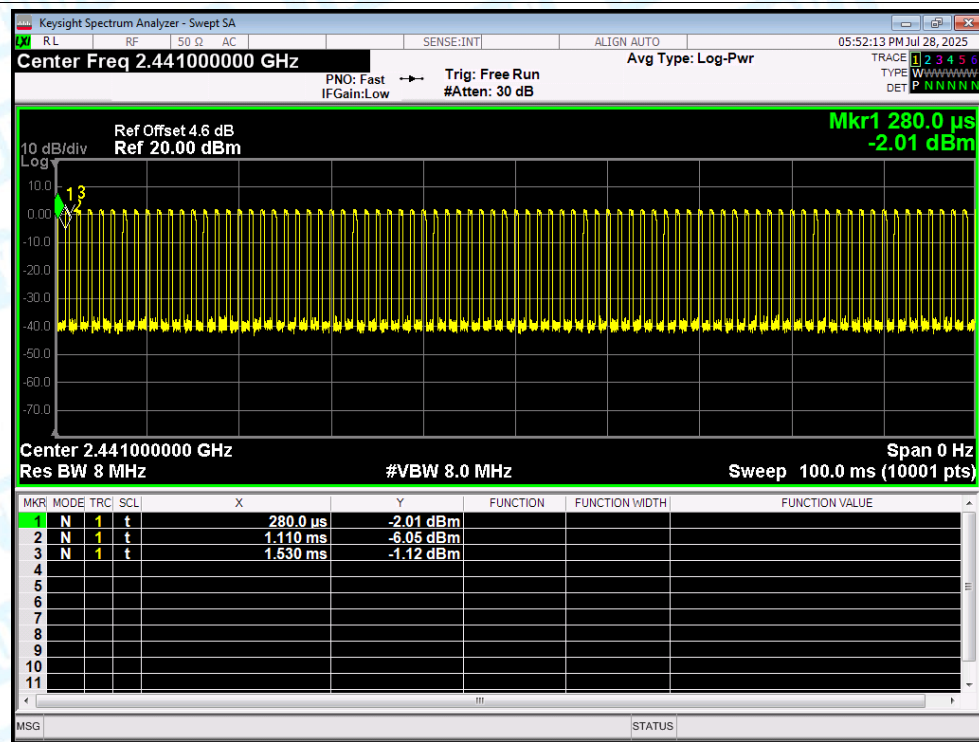
### Duty Cycle NVNT 2-DH1 2480MHz Ant1

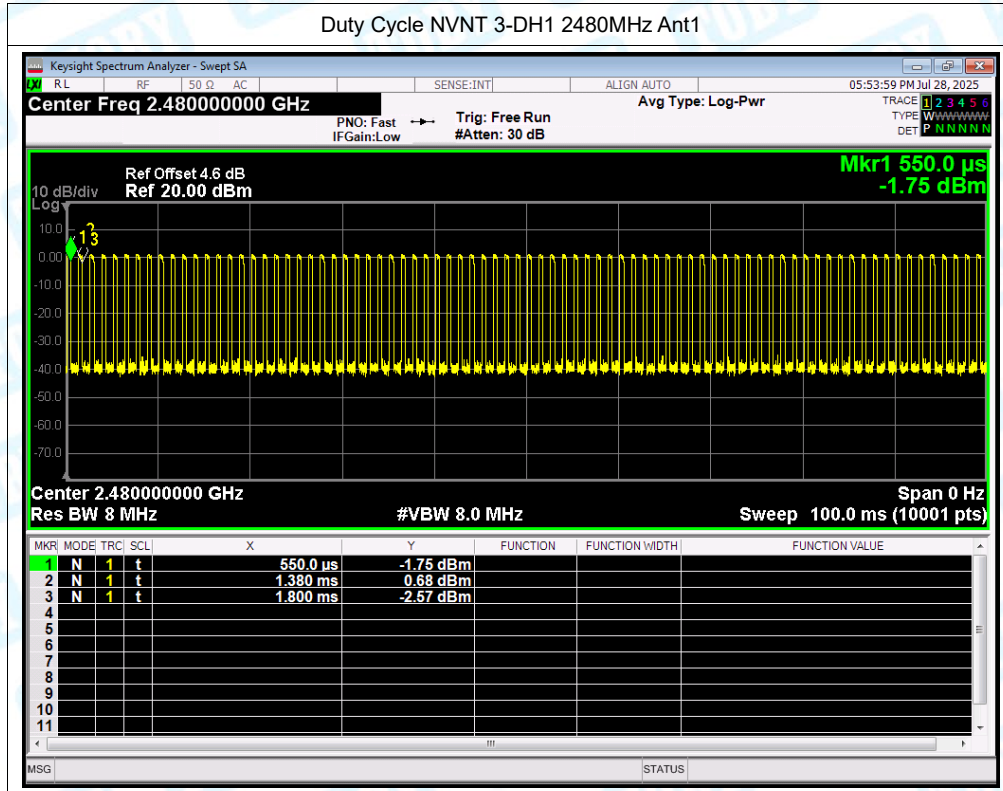


### Duty Cycle NVNT 3-DH1 2402MHz Ant1



### Duty Cycle NVNT 3-DH1 2441MHz Ant1



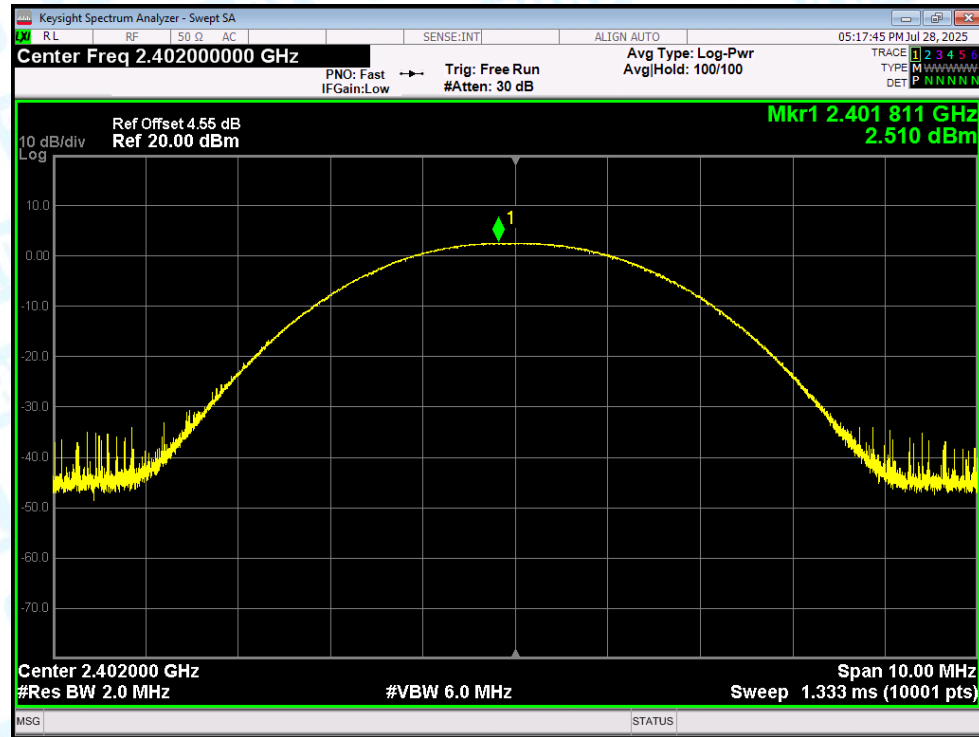


## 2. Maximum Conducted Output Power

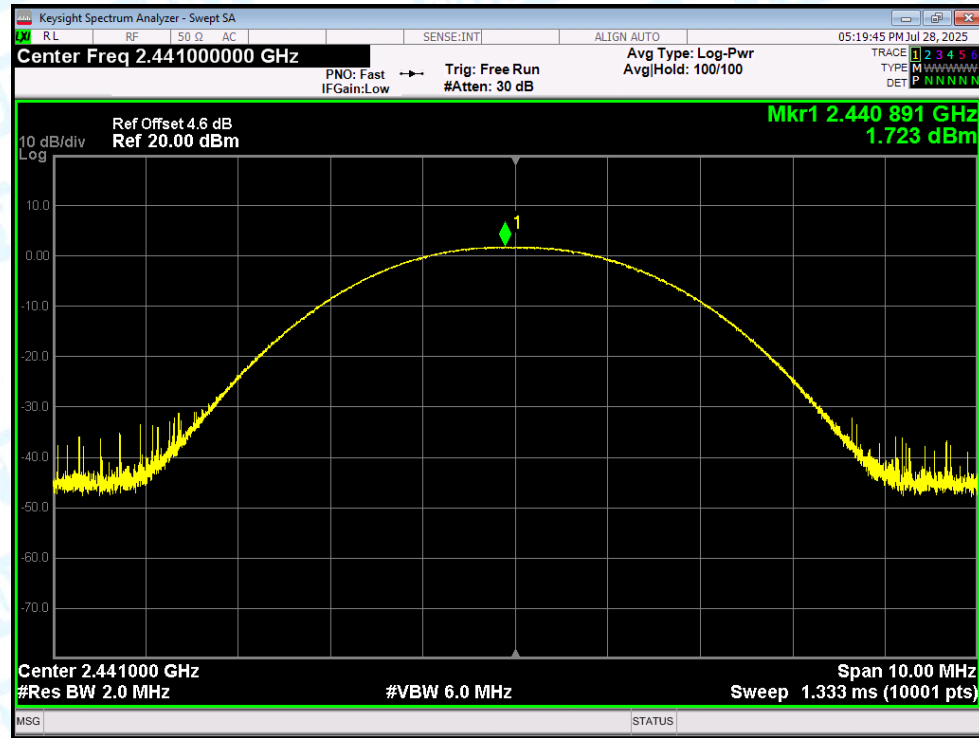
| Condition | Mode  | Frequency (MHz) | Antenna | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|-------|-----------------|---------|-------------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 2.51              | 21          | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | 1.723             | 21          | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | 1.123             | 21          | Pass    |
| NVNT      | 1-DH3 | 2441            | Ant1    | 1.683             | 21          | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 1.655             | 21          | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | 2.521             | 21          | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 1.711             | 21          | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | 1.131             | 21          | Pass    |
| NVNT      | 2-DH3 | 2441            | Ant1    | 1.638             | 21          | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | 1.632             | 21          | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | 2.493             | 21          | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 1.736             | 21          | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | 1.089             | 21          | Pass    |
| NVNT      | 3-DH3 | 2441            | Ant1    | 1.632             | 21          | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 1.618             | 21          | Pass    |

### Test Graphs

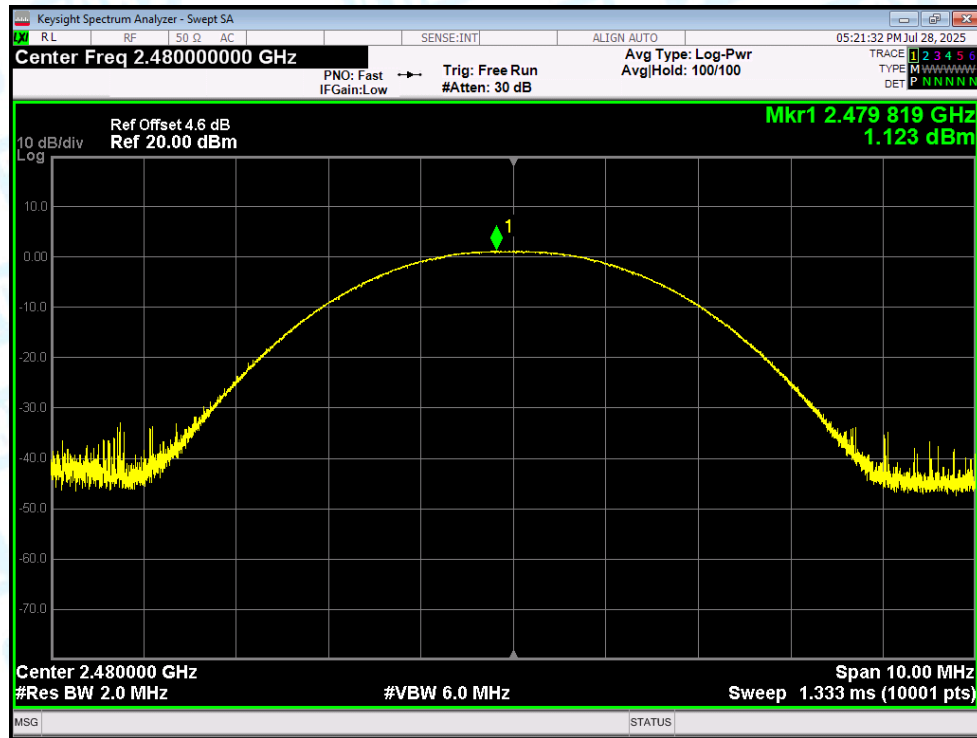
Power NVNT 1-DH1 2402MHz Ant1



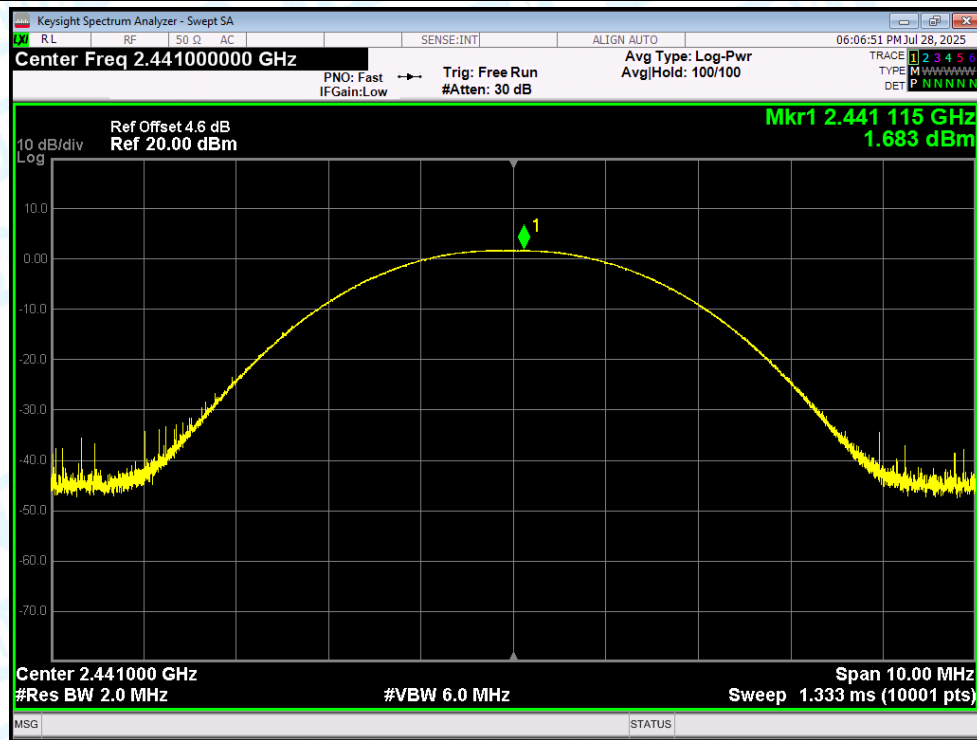
Power NVNT 1-DH1 2441MHz Ant1



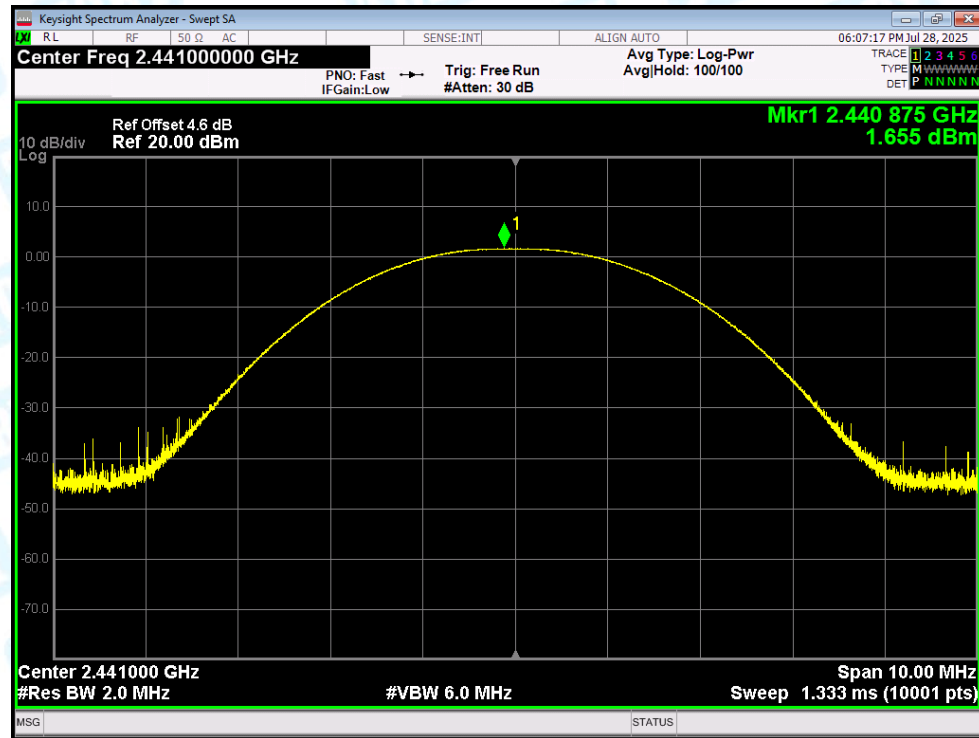
Power NVNT 1-DH1 2480MHz Ant1



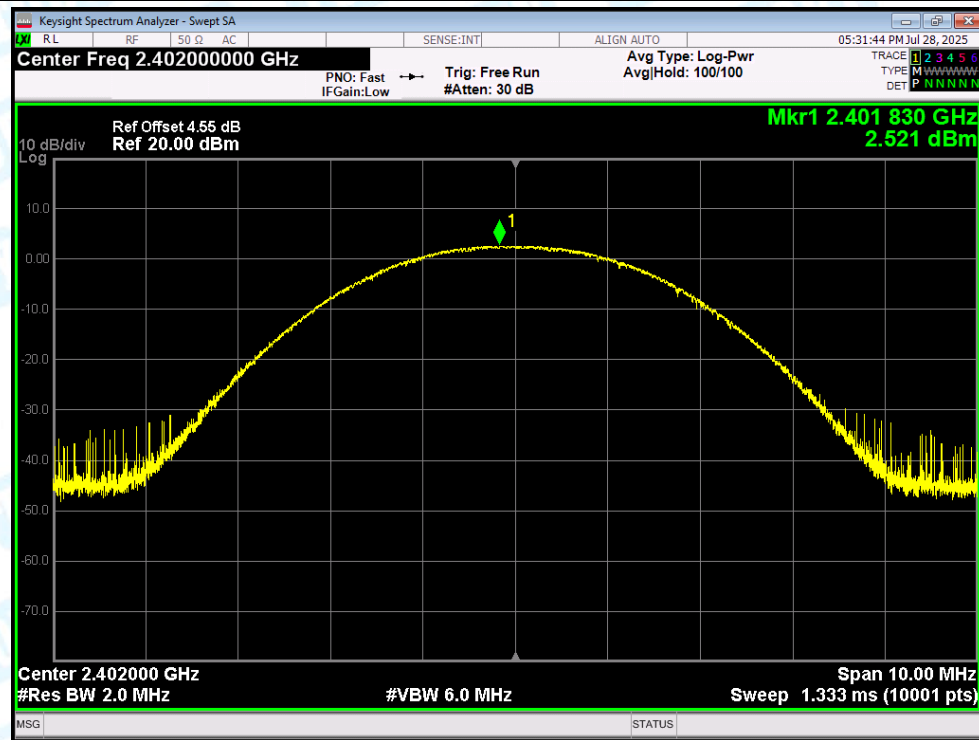
Power NVNT 1-DH3 2441MHz Ant1



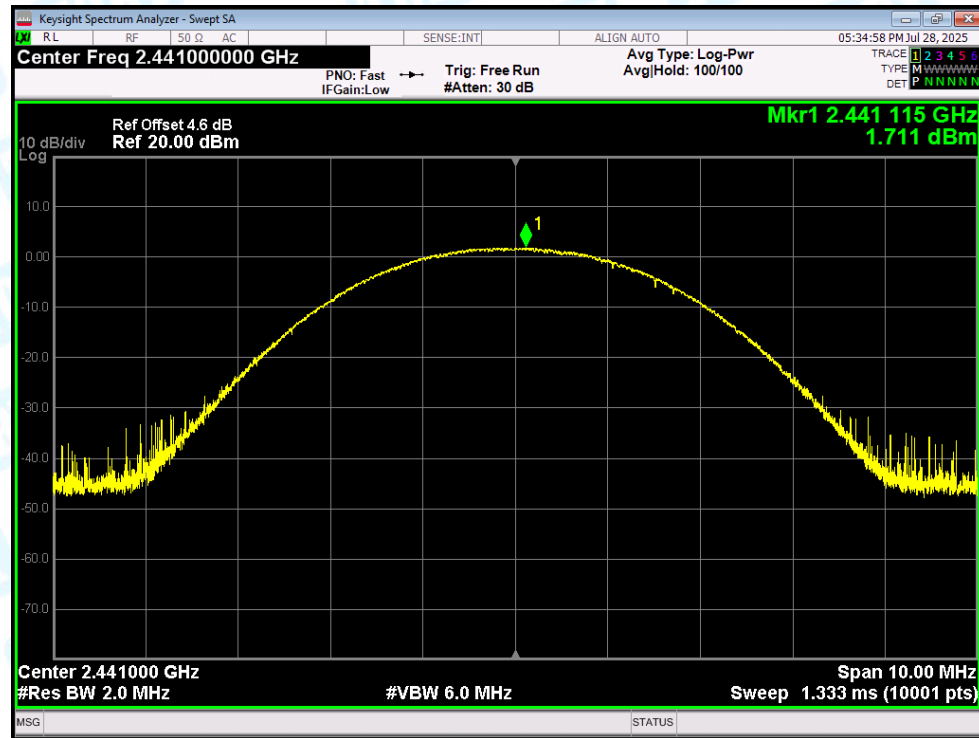
Power NVNT 1-DH5 2441MHz Ant1



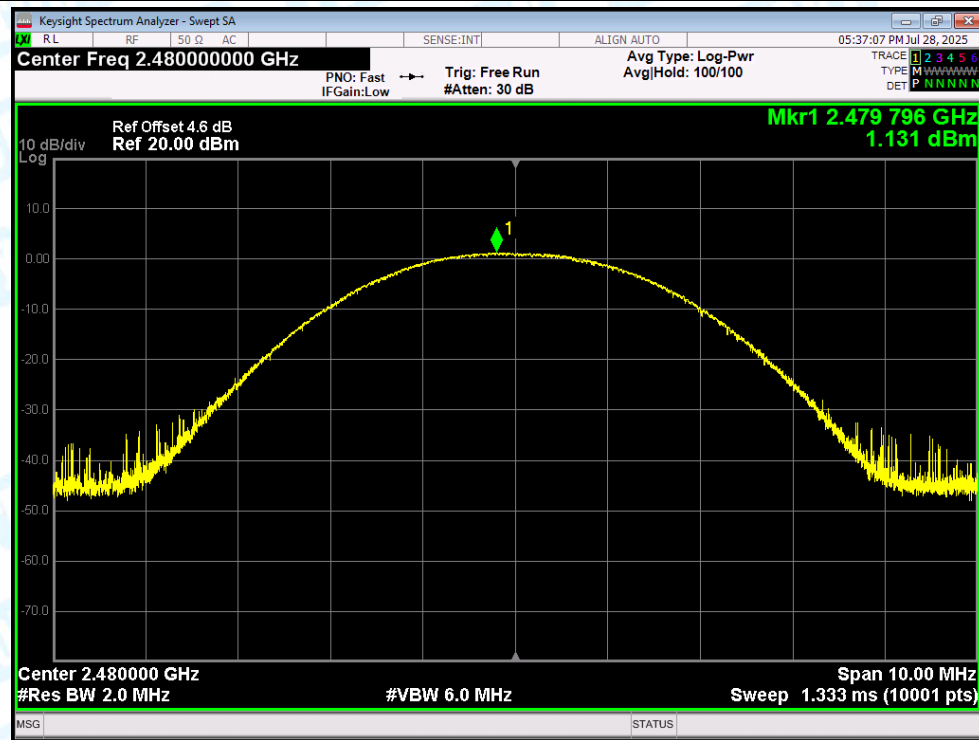
Power NVNT 2-DH1 2402MHz Ant1



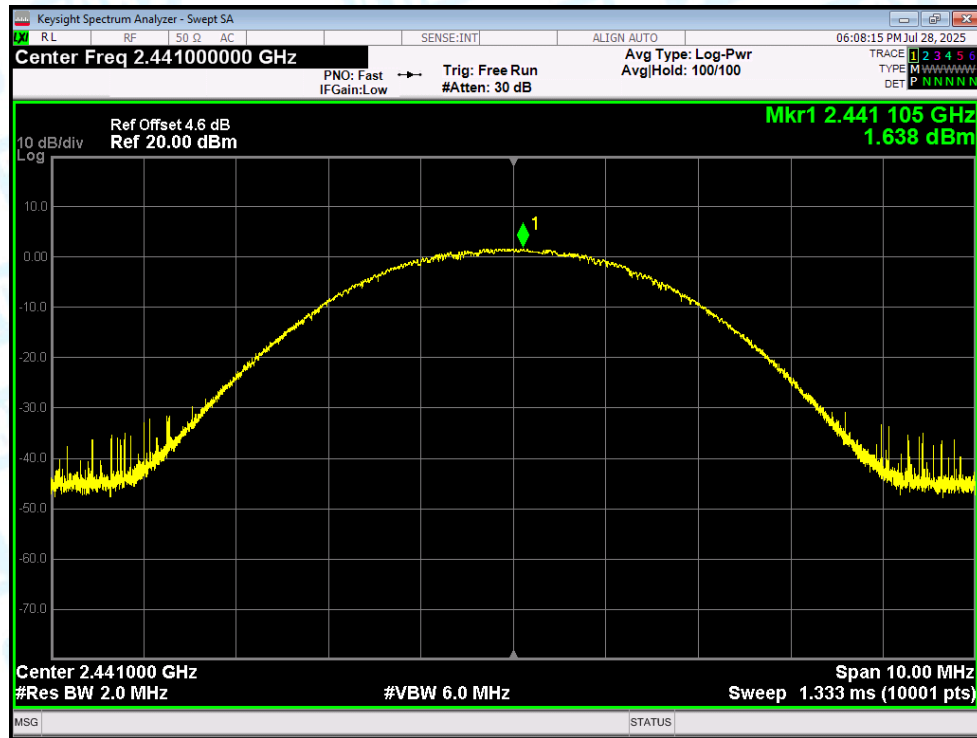
Power NVNT 2-DH1 2441MHz Ant1



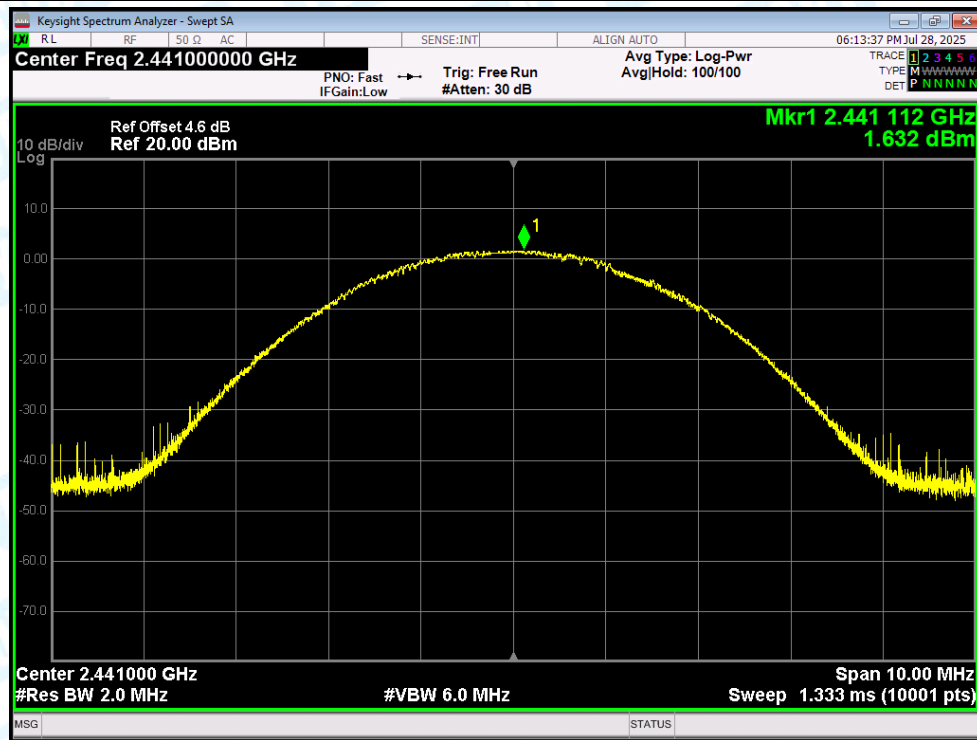
Power NVNT 2-DH1 2480MHz Ant1



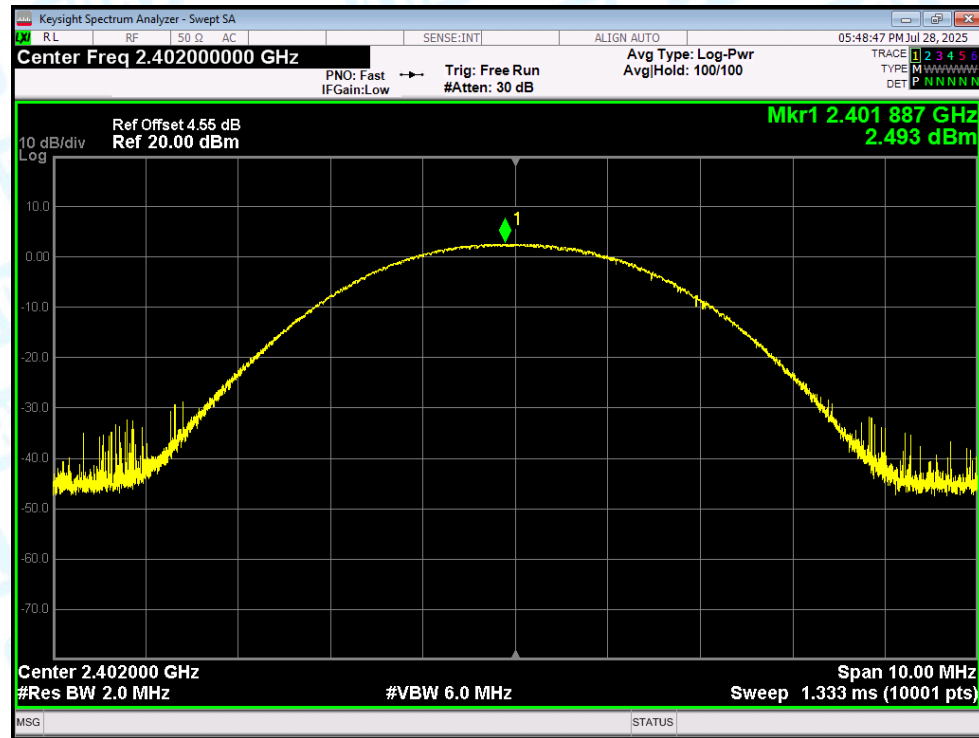
Power NVNT 2-DH3 2441MHz Ant1



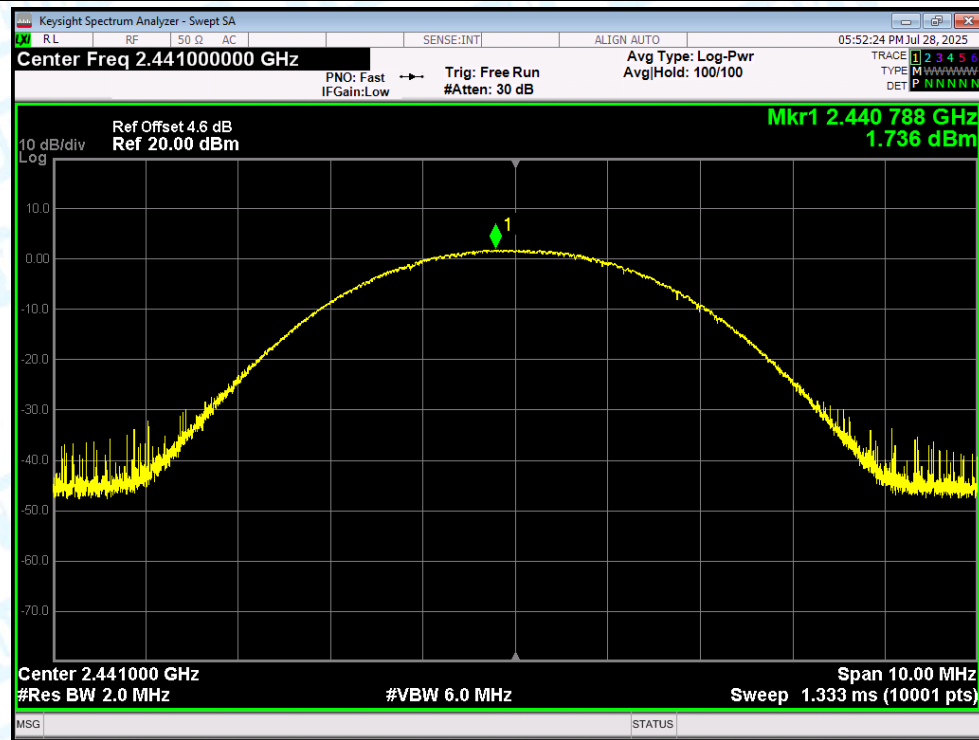
Power NVNT 2-DH5 2441MHz Ant1



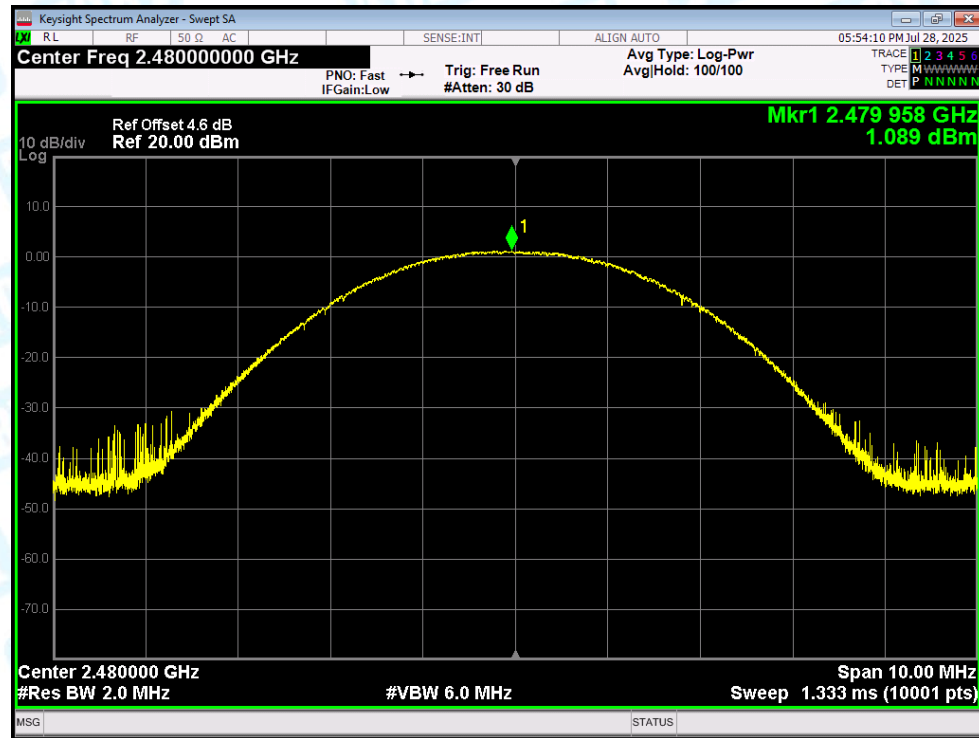
Power NVNT 3-DH1 2402MHz Ant1



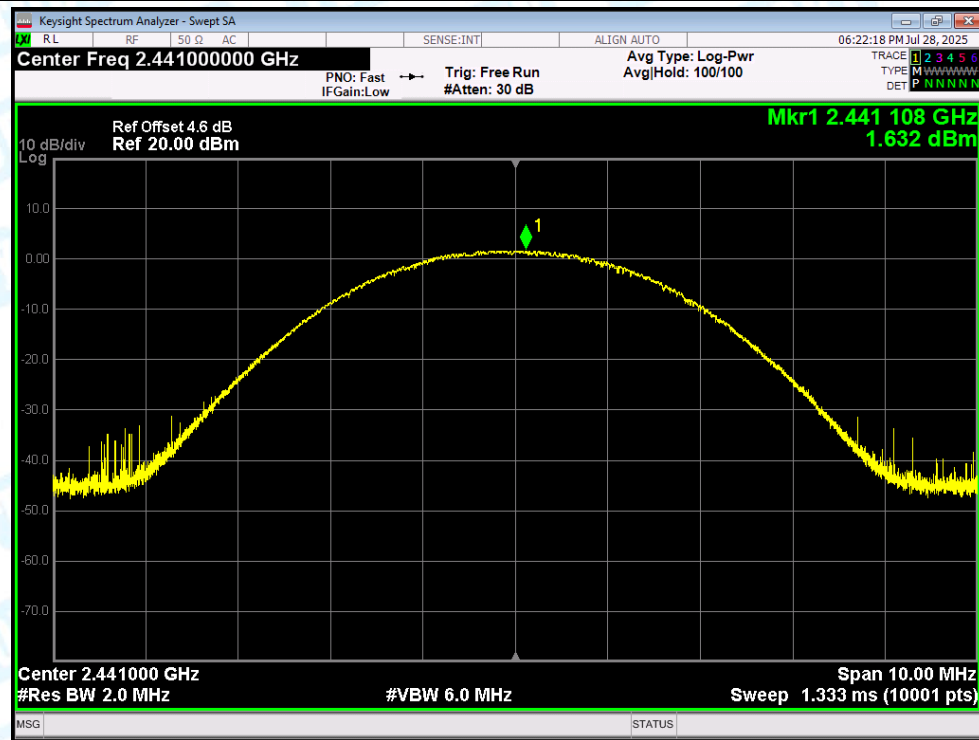
Power NVNT 3-DH1 2441MHz Ant1

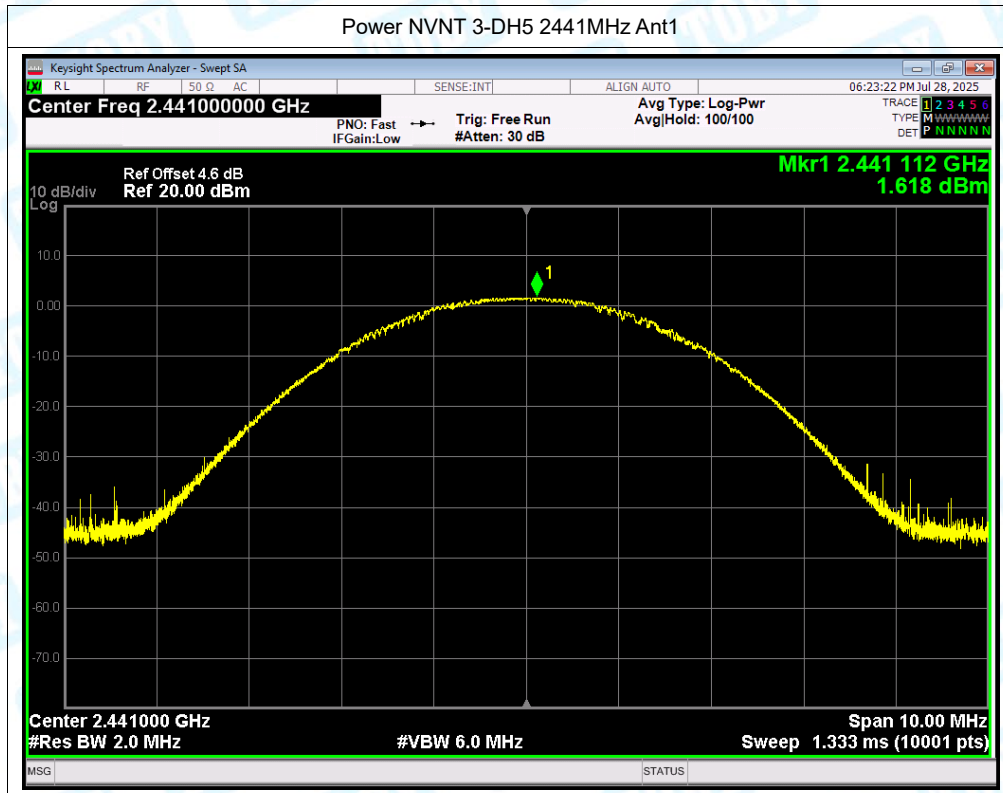


Power NVNT 3-DH1 2480MHz Ant1



Power NVNT 3-DH3 2441MHz Ant1



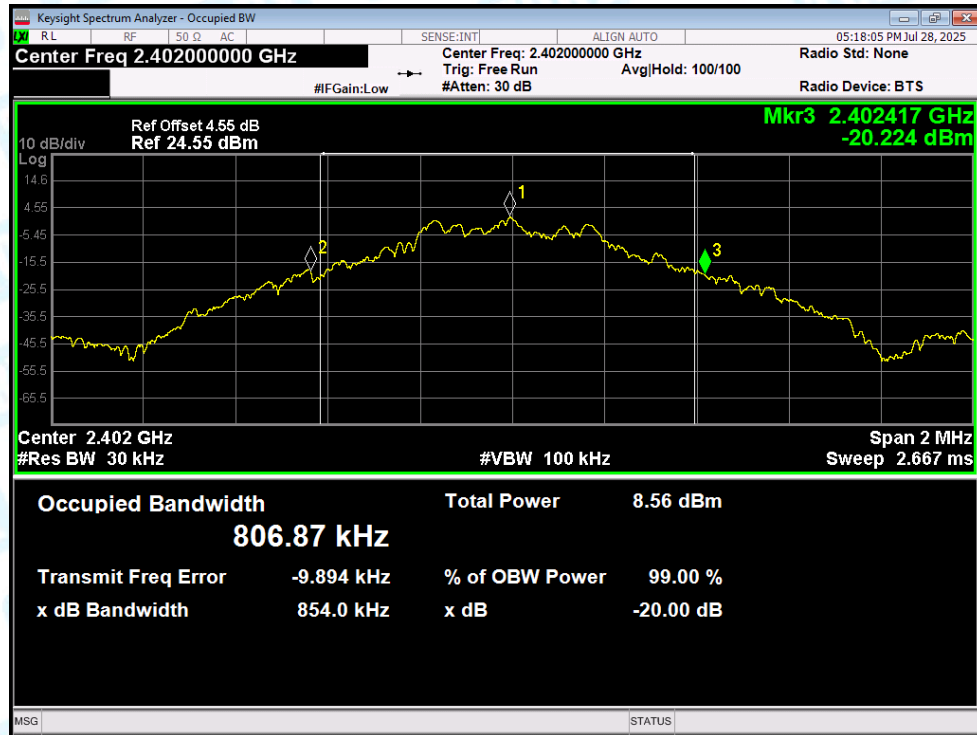


### 3. -20dB Bandwidth

| Condition | Mode  | Frequency (MHz) | Antenna | -20 dB Bandwidth (MHz) | Verdict |
|-----------|-------|-----------------|---------|------------------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 0.85                   | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.86                   | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | 0.88                   | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | 1.16                   | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 1.15                   | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | 1.18                   | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | 1.2                    | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 1.17                   | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | 1.19                   | Pass    |

### Test Graphs

#### -20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



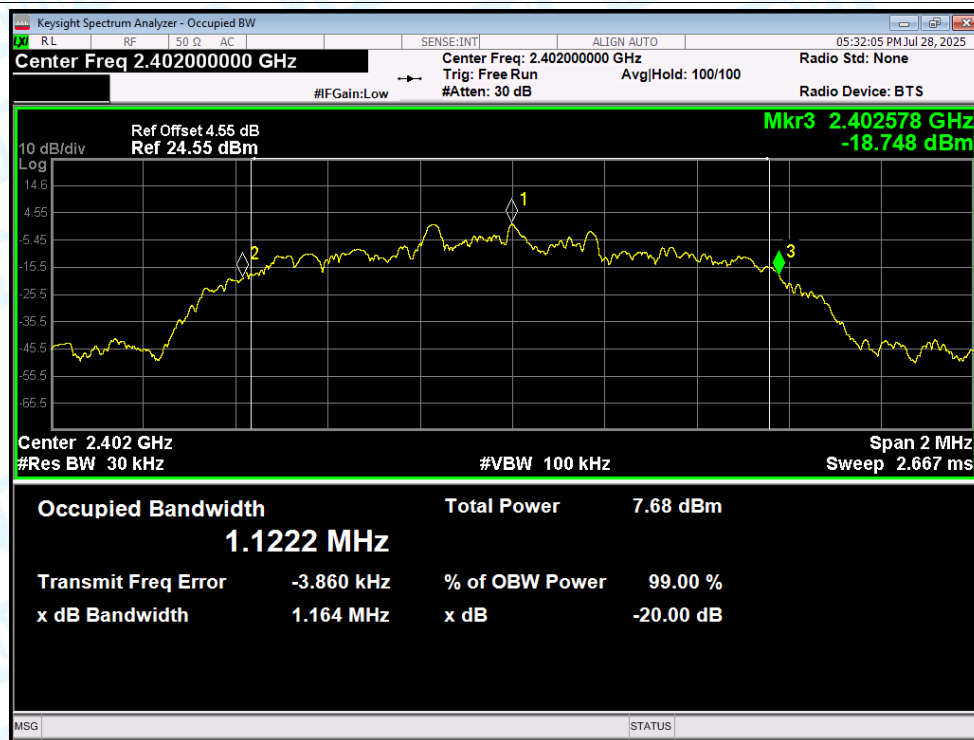
#### -20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



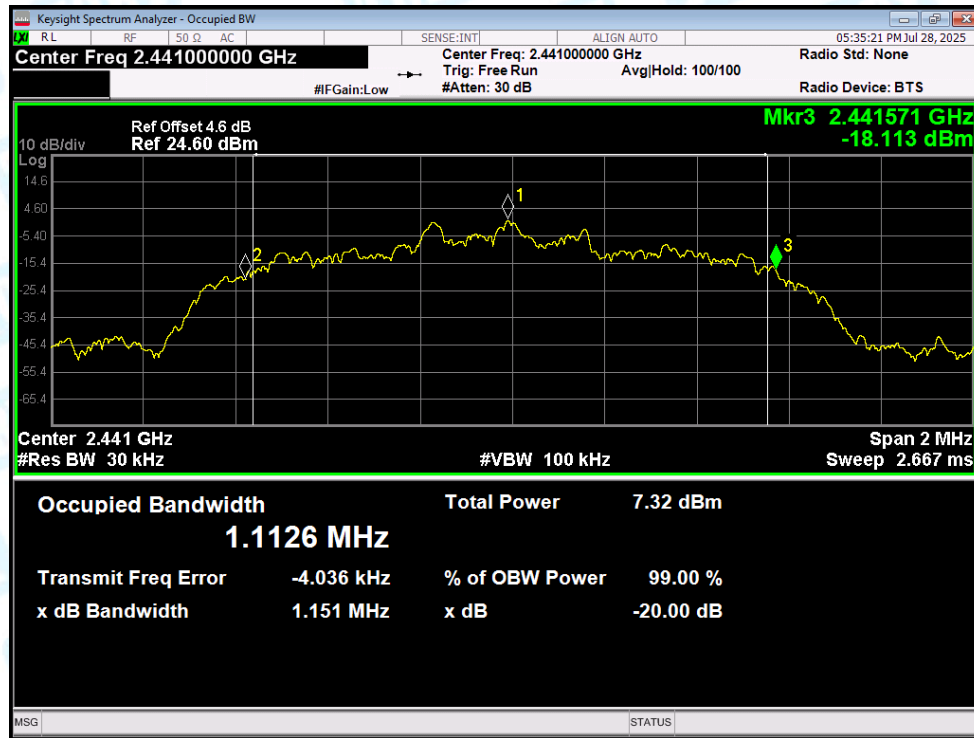
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



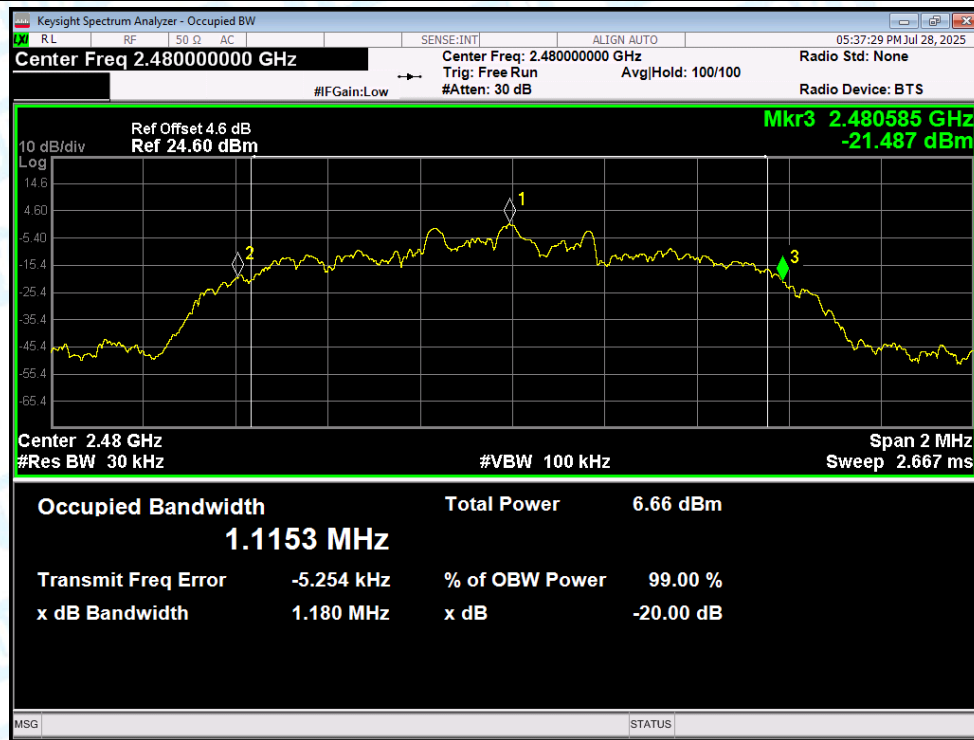
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



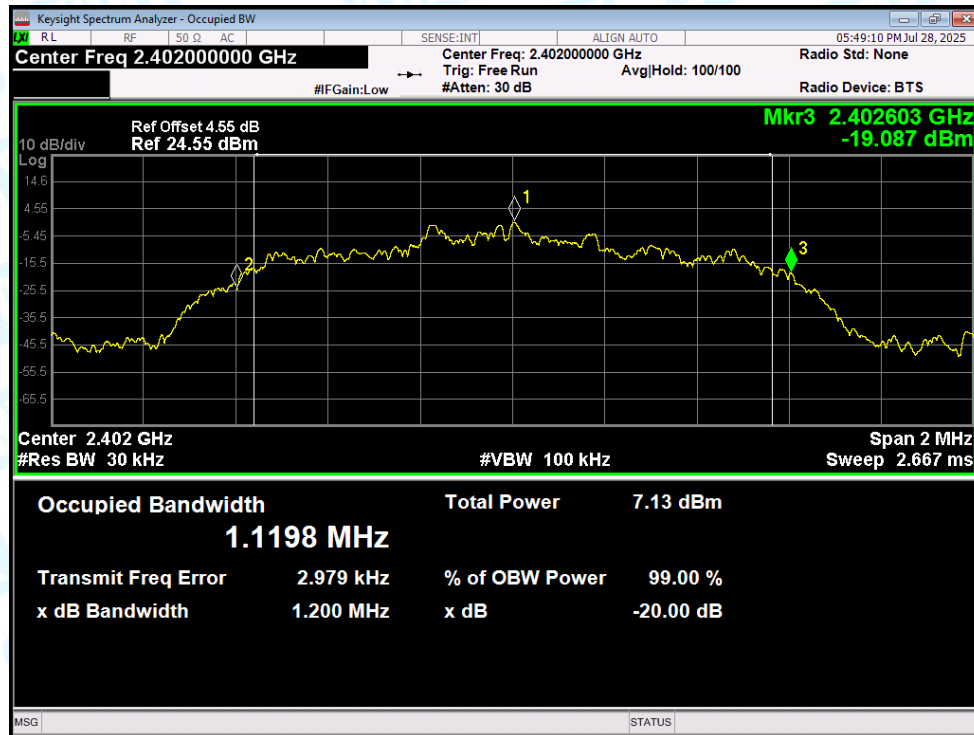
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

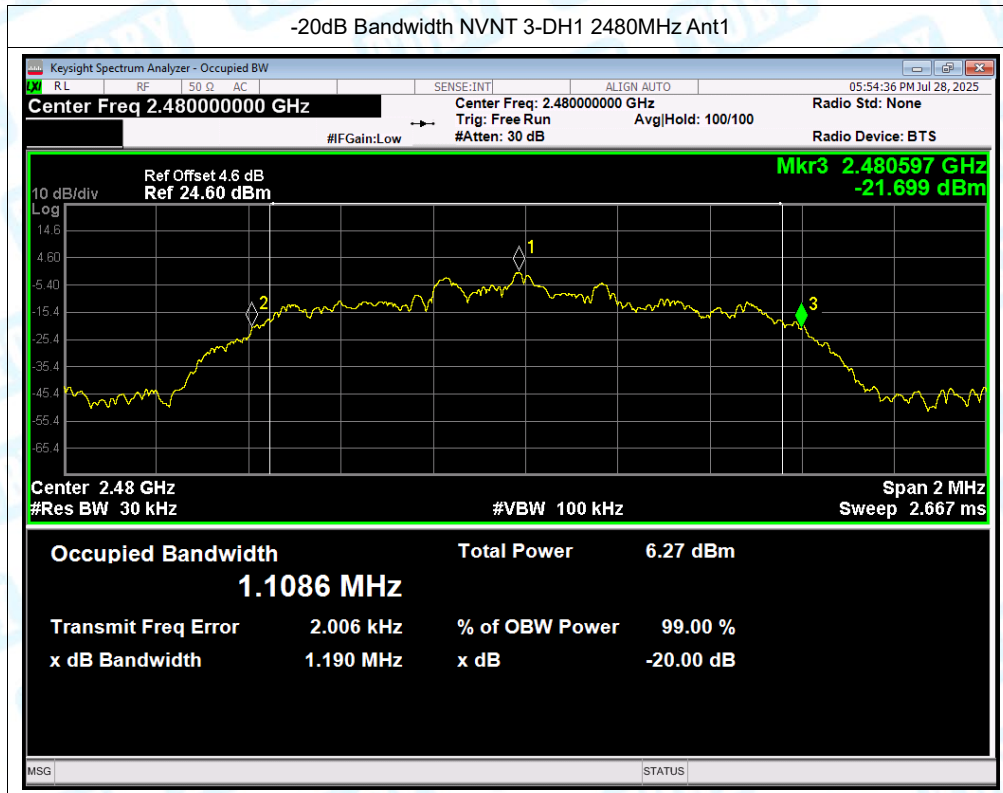


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



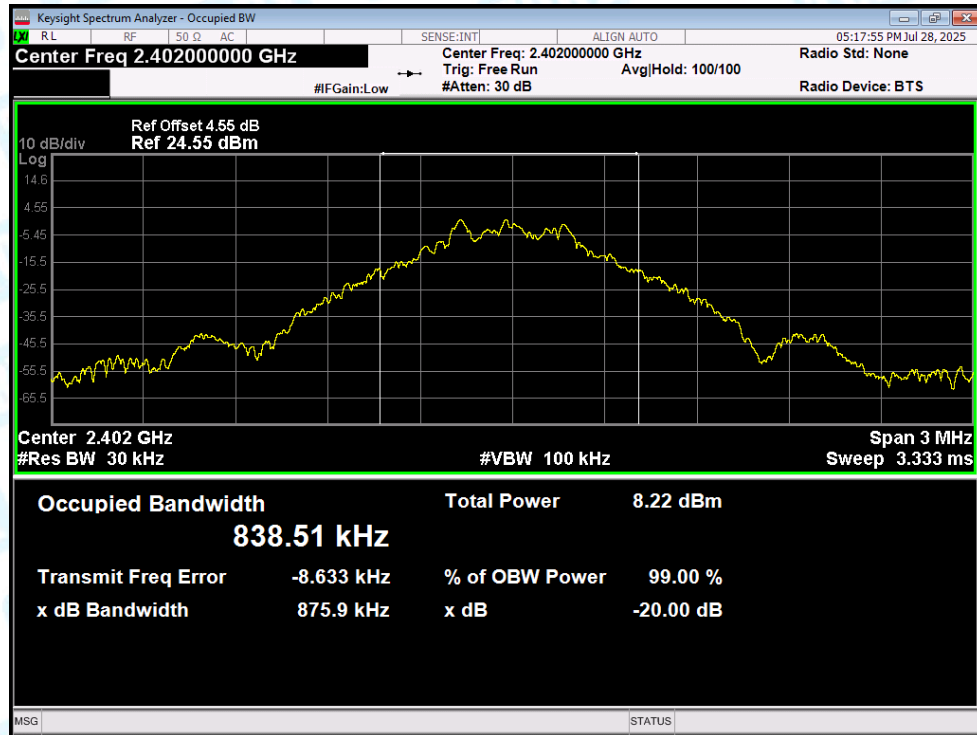


## 4. Occupied Channel Bandwidth

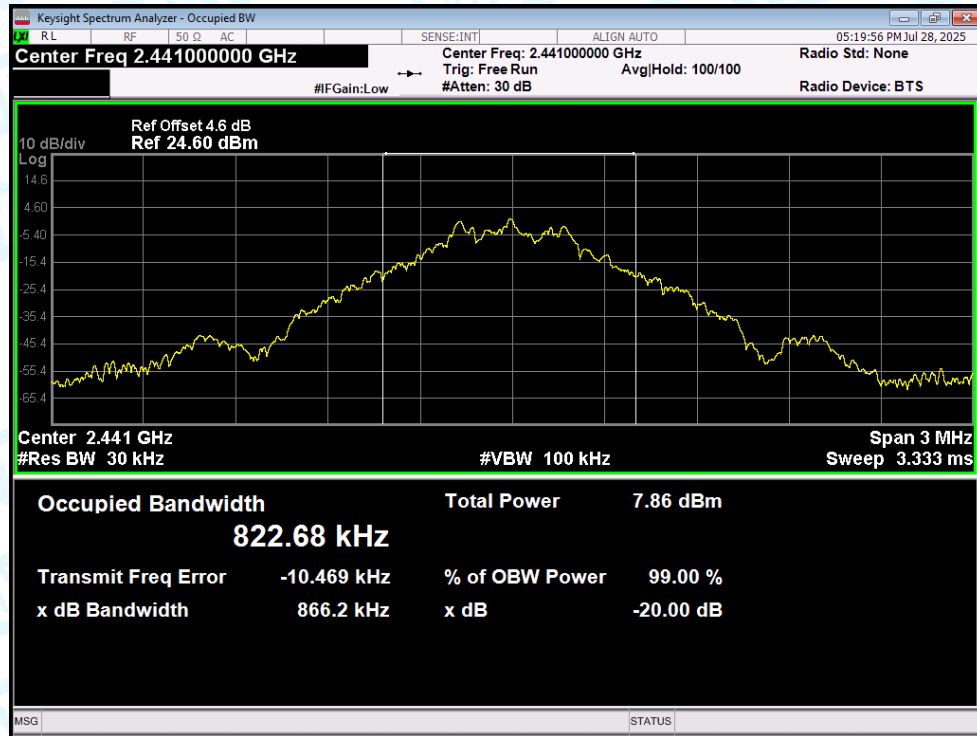
| Condition | Mode  | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|-------|-----------------|---------|---------------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 0.839         |
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.823         |
| NVNT      | 1-DH1 | 2480            | Ant1    | 0.801         |
| NVNT      | 2-DH1 | 2402            | Ant1    | 1.128         |
| NVNT      | 2-DH1 | 2441            | Ant1    | 1.123         |
| NVNT      | 2-DH1 | 2480            | Ant1    | 1.123         |
| NVNT      | 3-DH1 | 2402            | Ant1    | 1.119         |
| NVNT      | 3-DH1 | 2441            | Ant1    | 1.121         |
| NVNT      | 3-DH1 | 2480            | Ant1    | 1.12          |

### Test Graphs

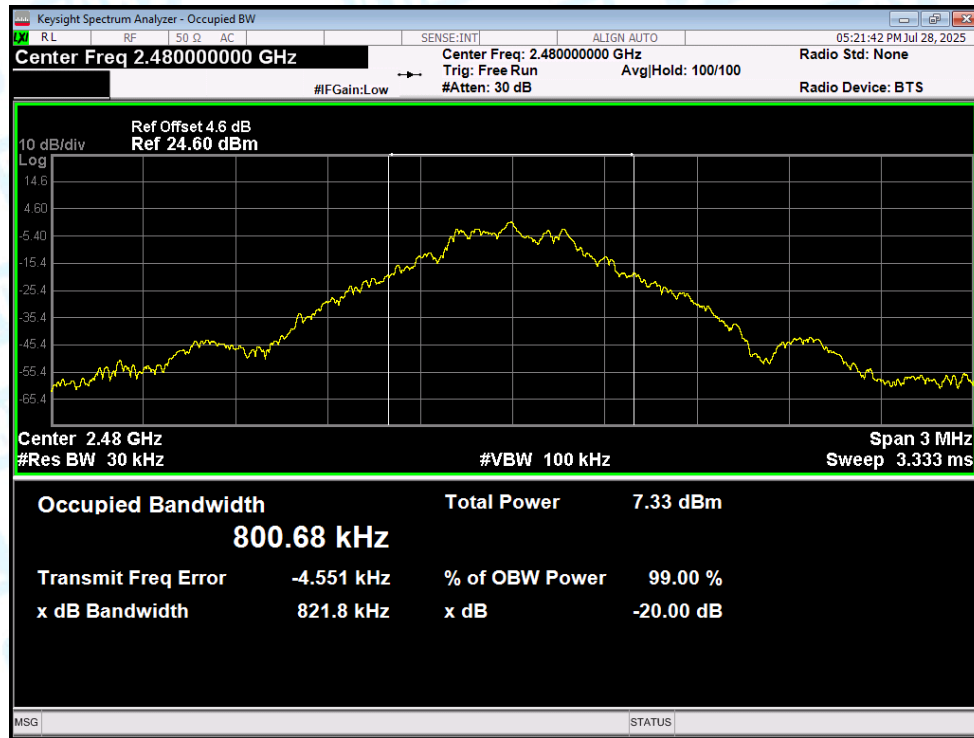
#### OBW NVNT 1-DH1 2402MHz Ant1



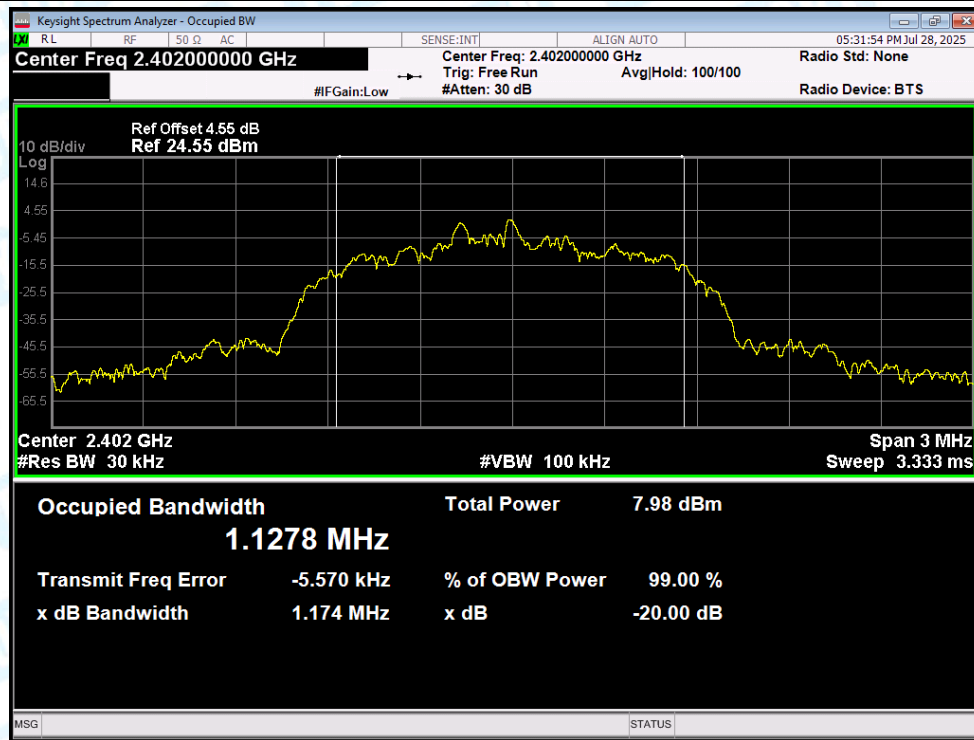
#### OBW NVNT 1-DH1 2441MHz Ant1



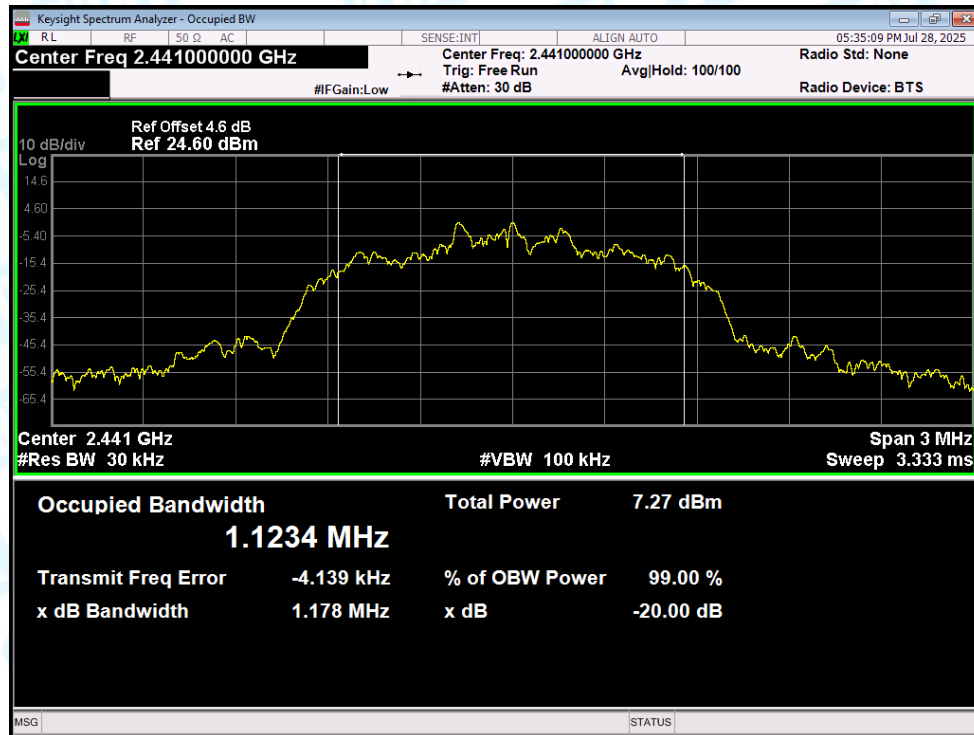
OBW NVNT 1-DH1 2480MHz Ant1



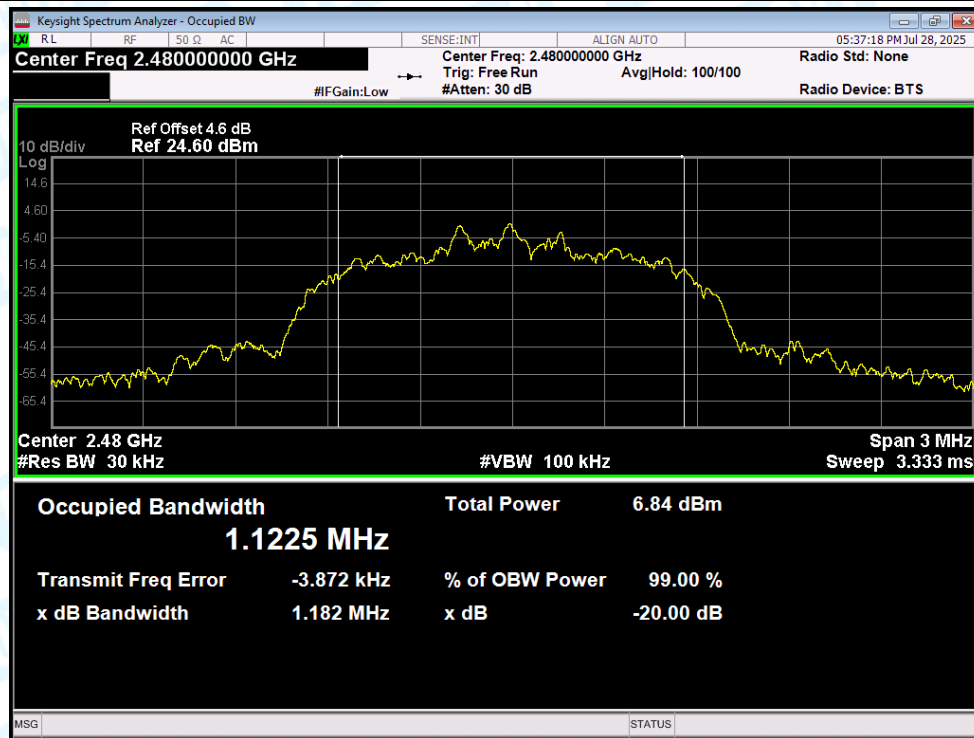
OBW NVNT 2-DH1 2402MHz Ant1



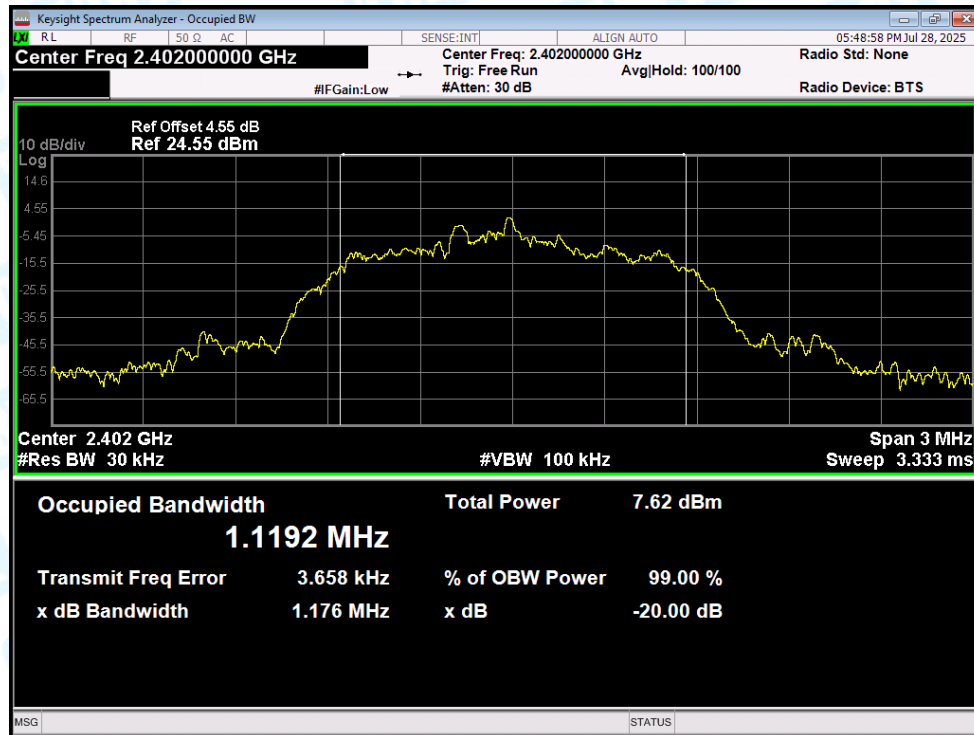
OBW NVNT 2-DH1 2441MHz Ant1



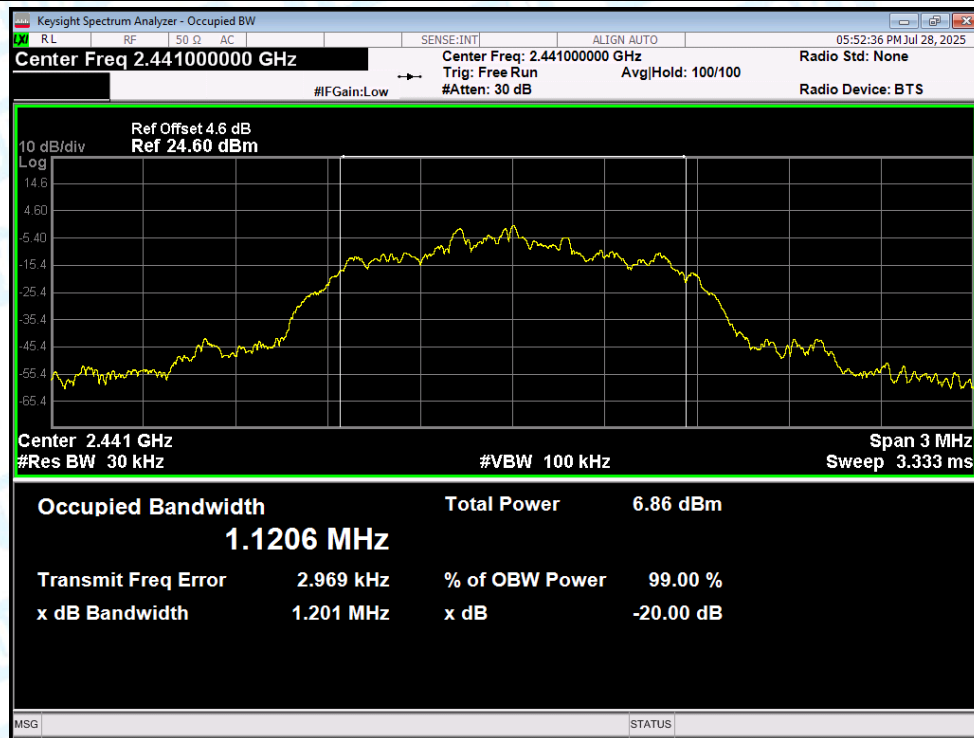
OBW NVNT 2-DH1 2480MHz Ant1



OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1



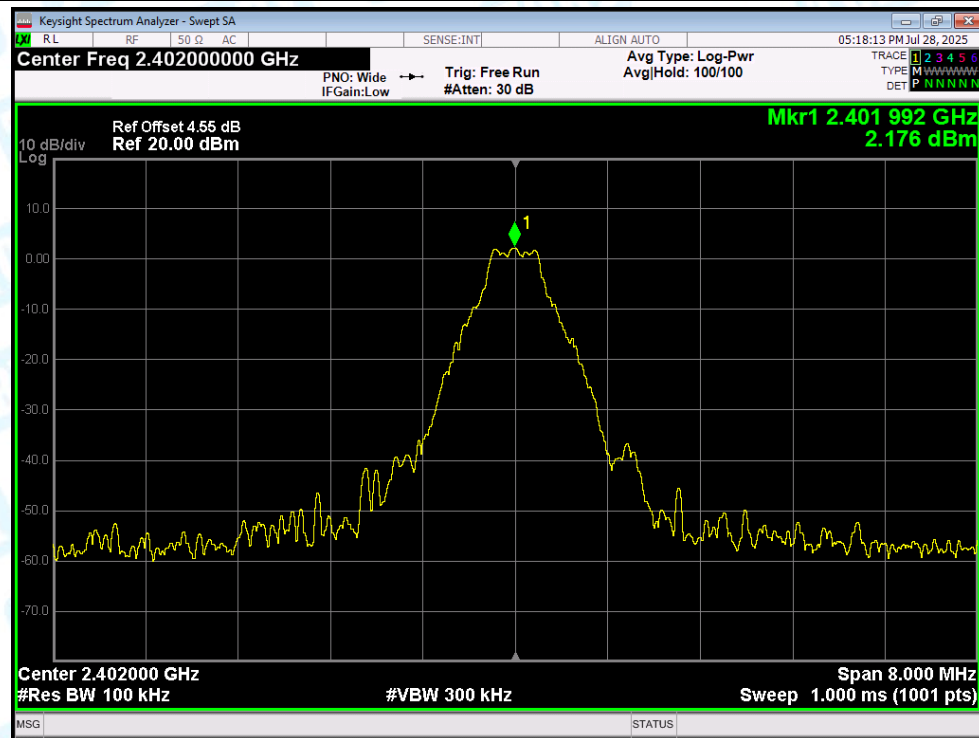


## 5. Band Edge

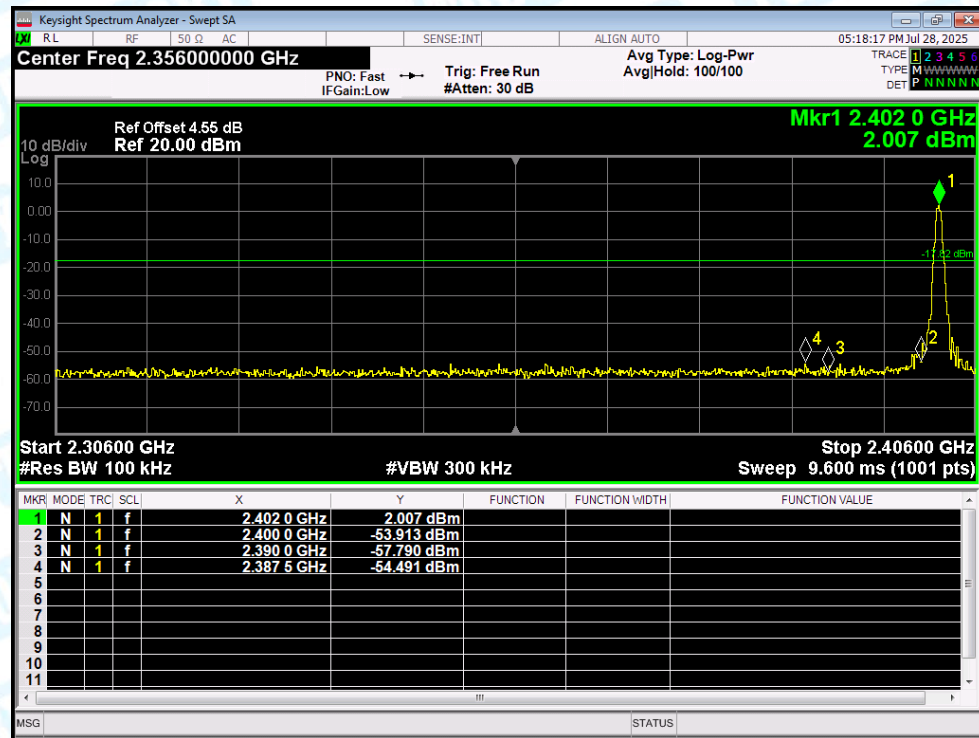
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | -56.67          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | -54.79          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | -57.38          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | -55.3           | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | -56.2           | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | -55.19          | -20         | Pass    |

### Test Graphs

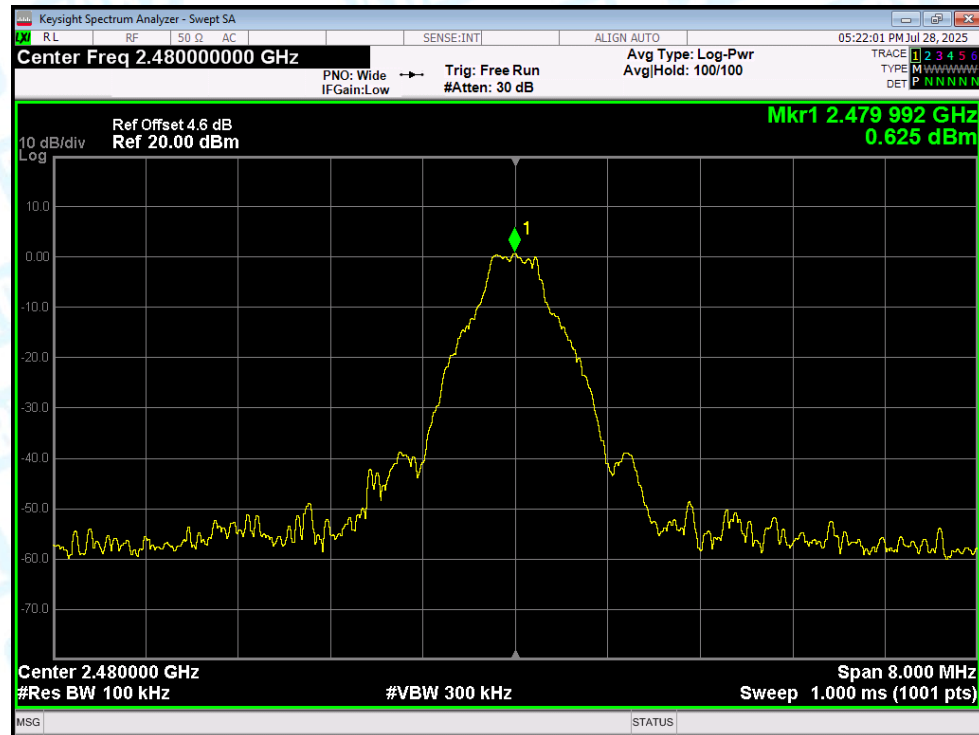
#### Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



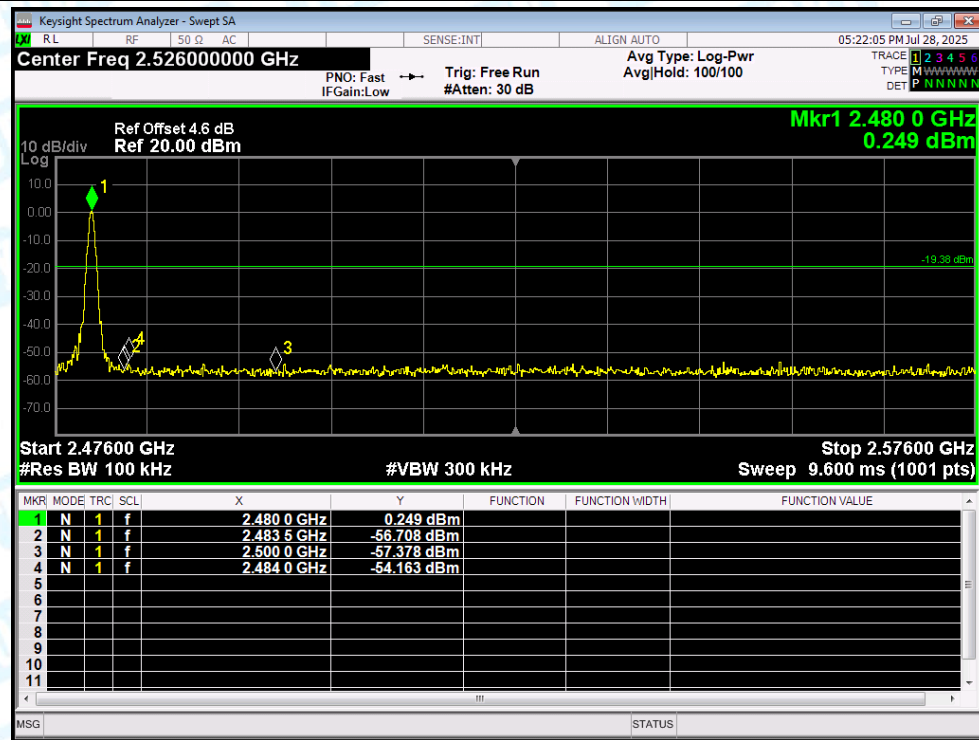
#### Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission

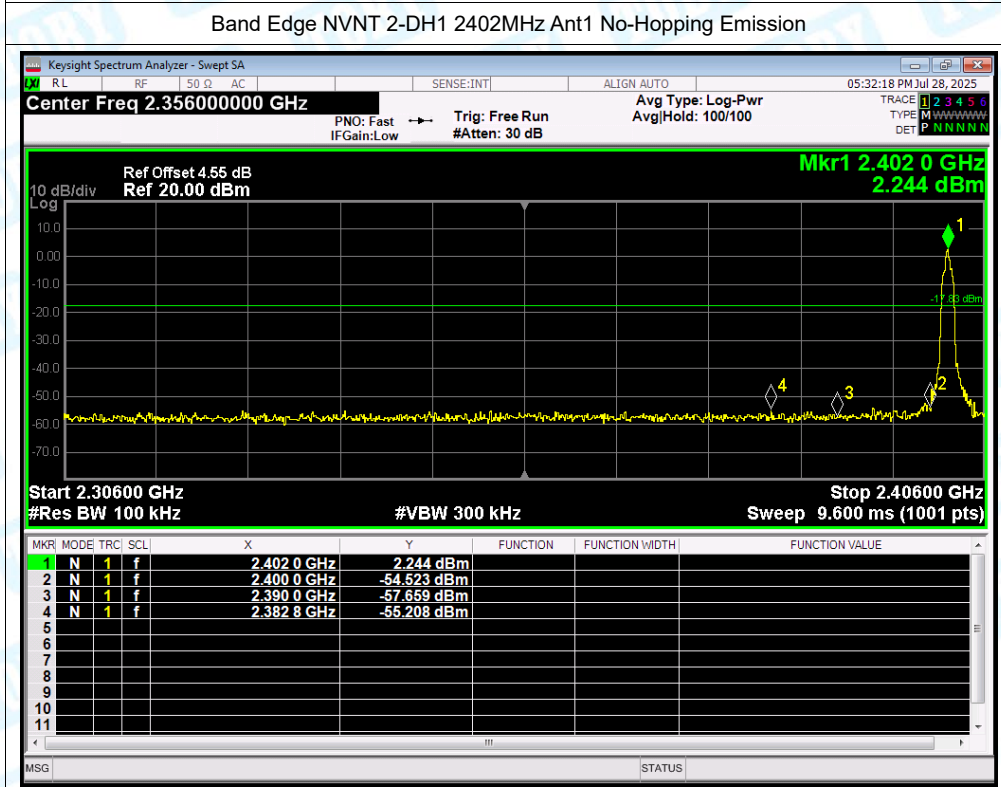
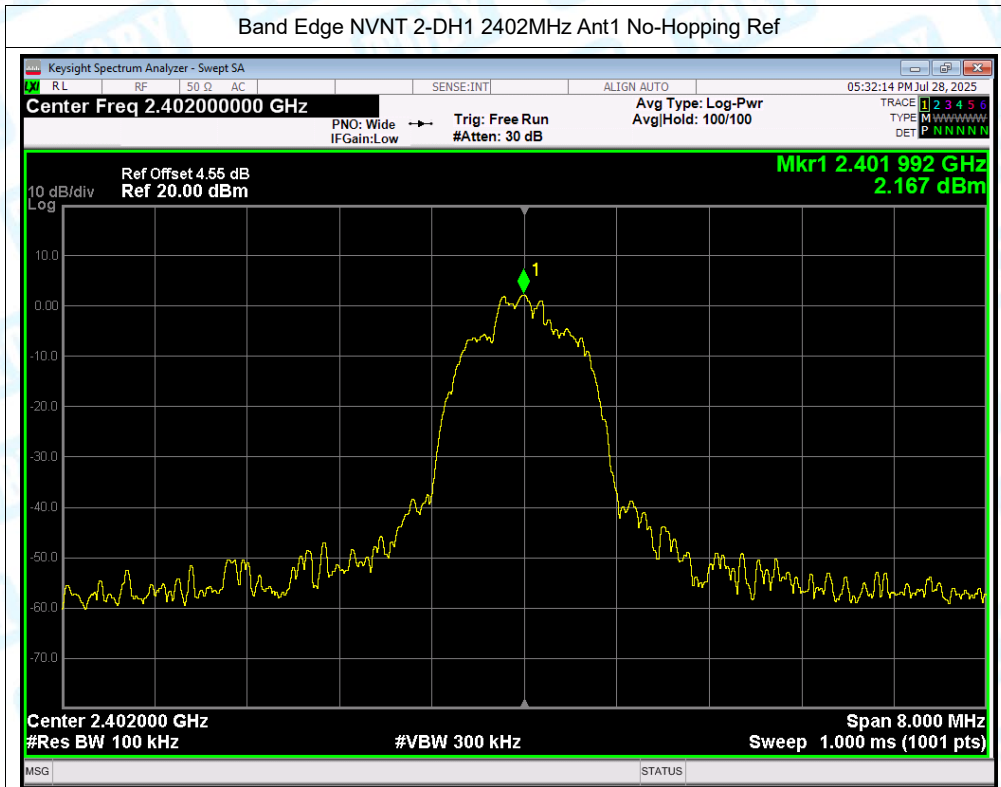


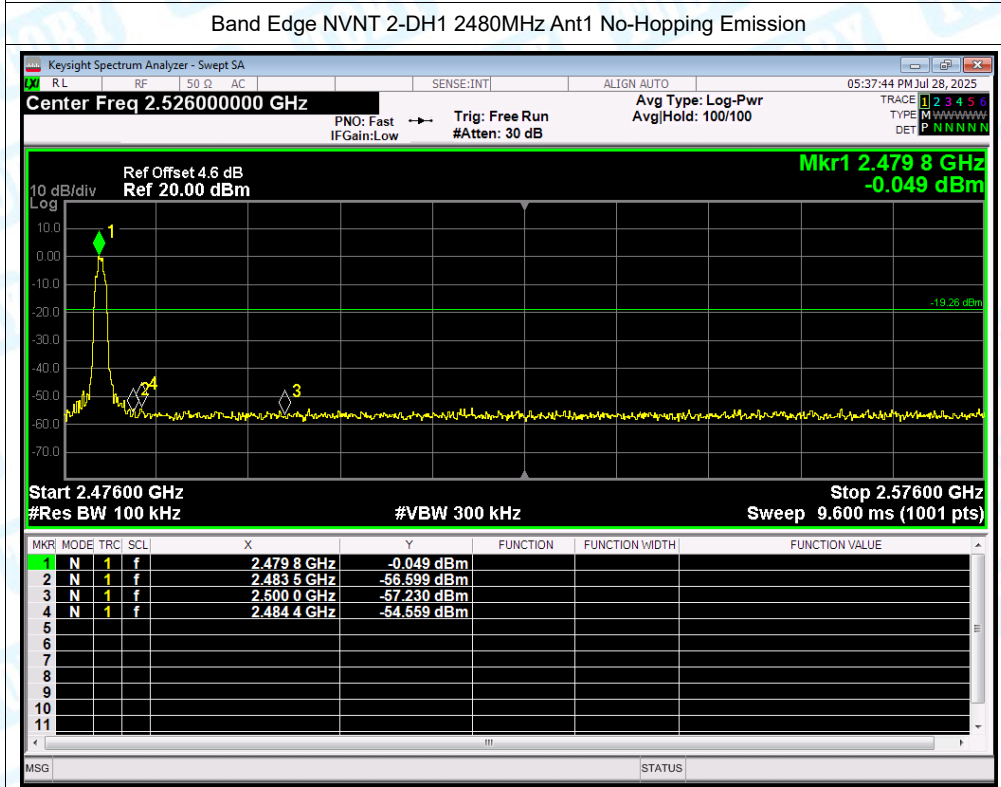
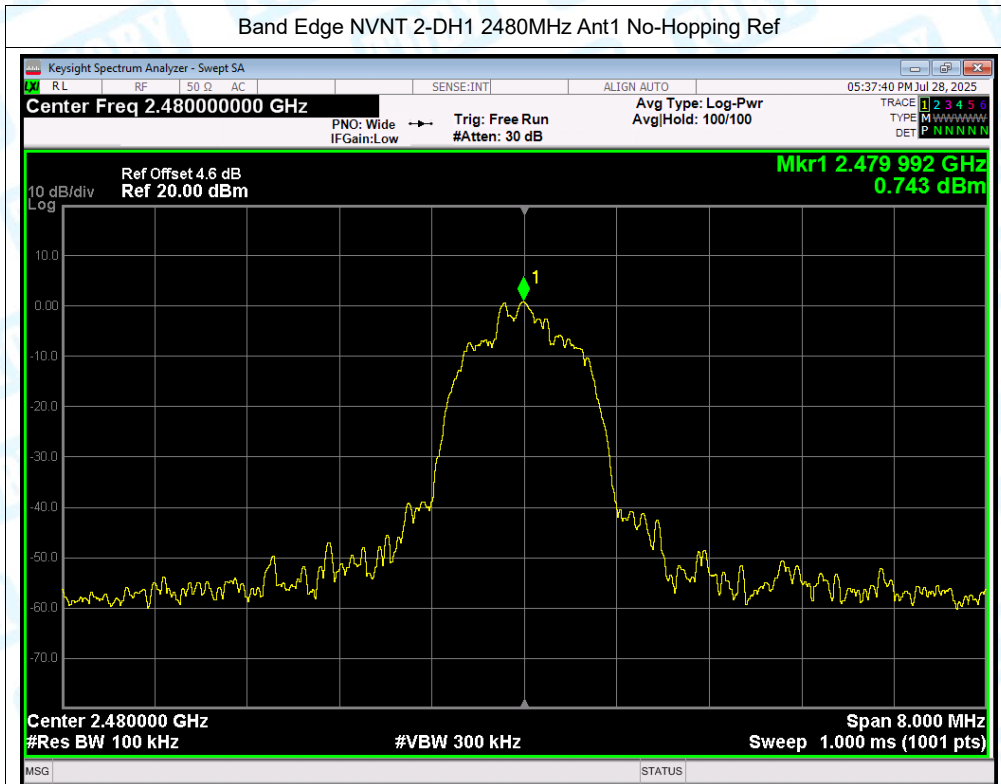
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref

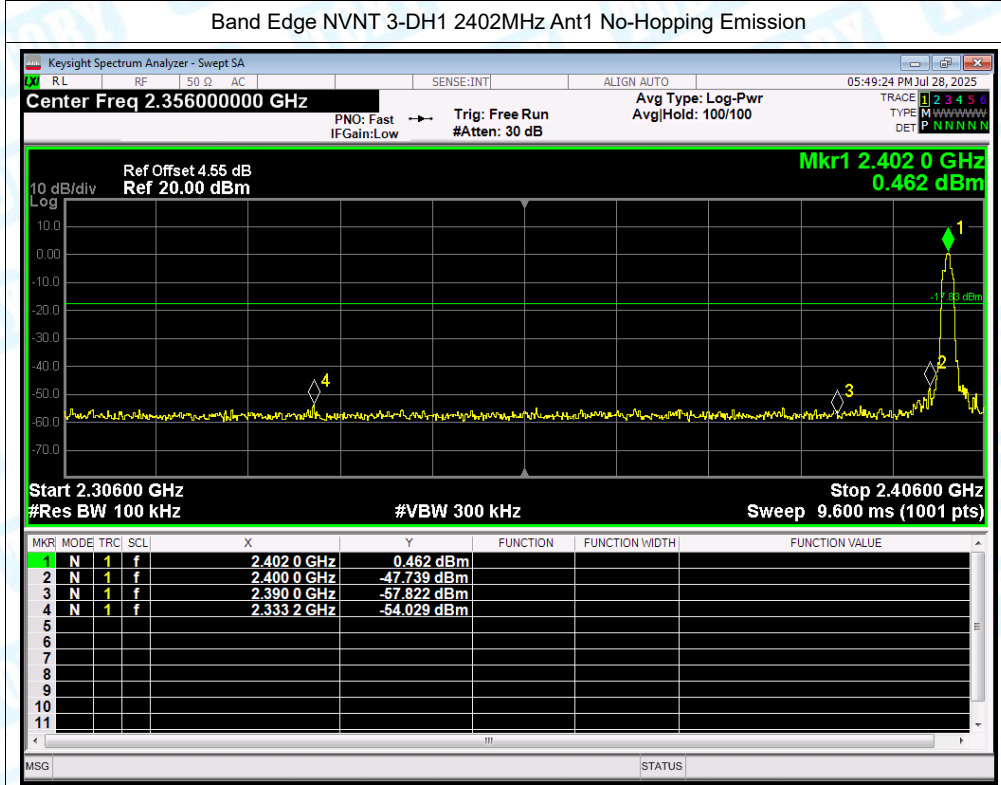
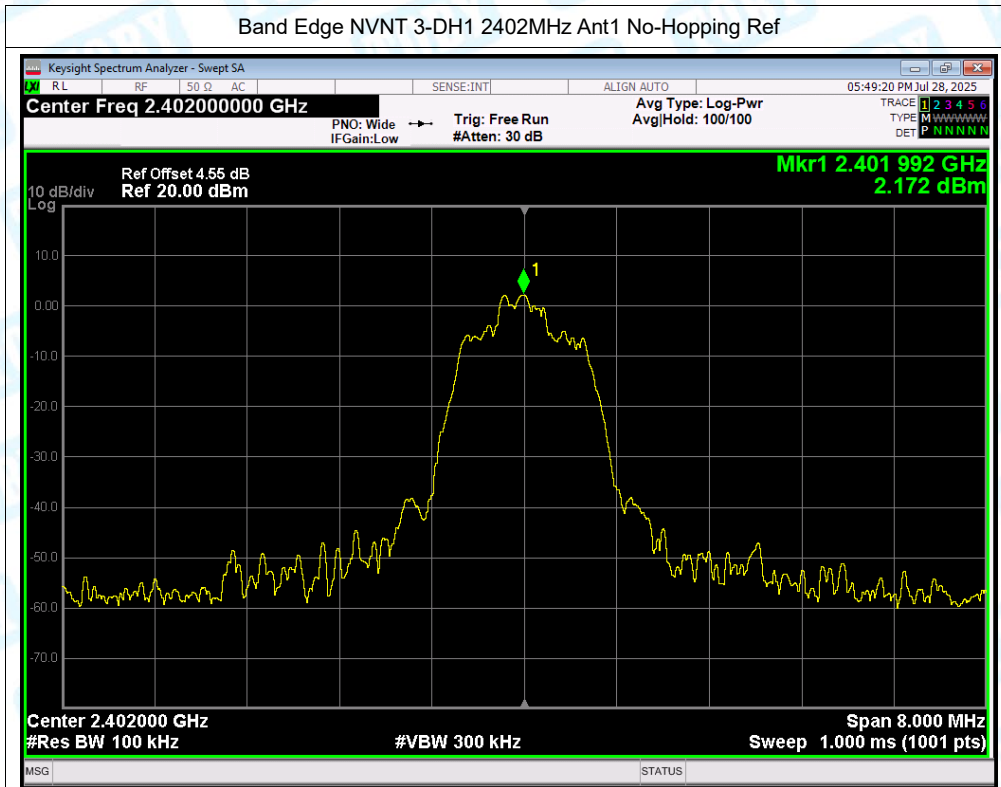


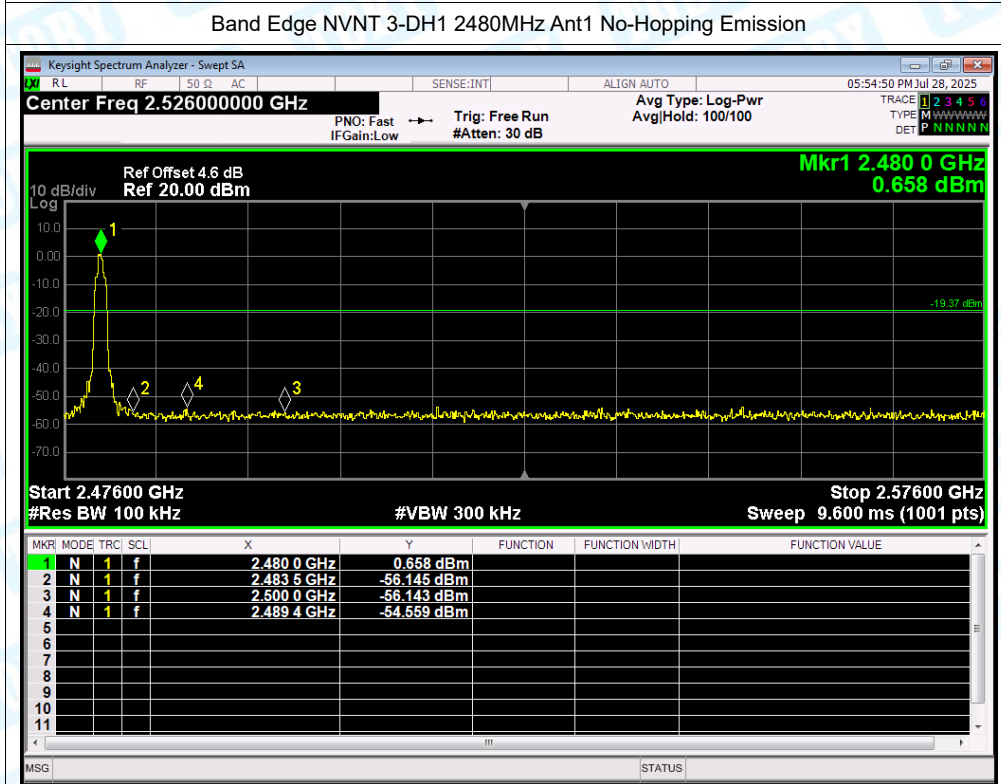
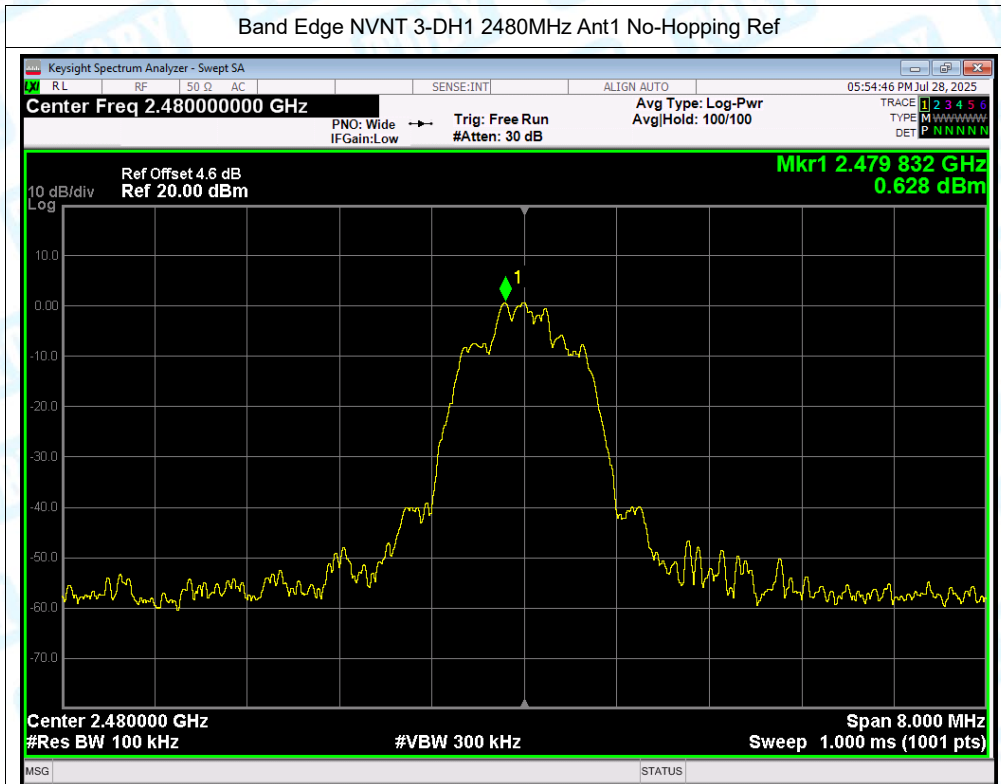
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission











## 6. Band Edge(Hopping)

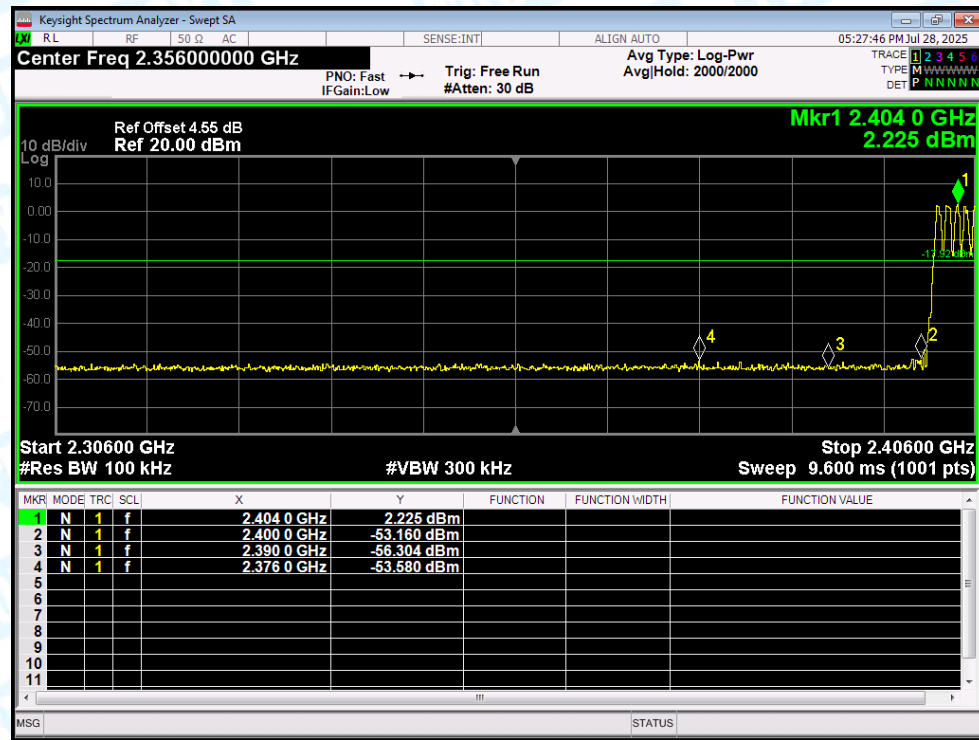
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | Hopping      | -55.67          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | Hopping      | -54.01          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | Hopping      | -55.44          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | Hopping      | -53.26          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | Hopping      | -55.62          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | Hopping      | -54.07          | -20         | Pass    |

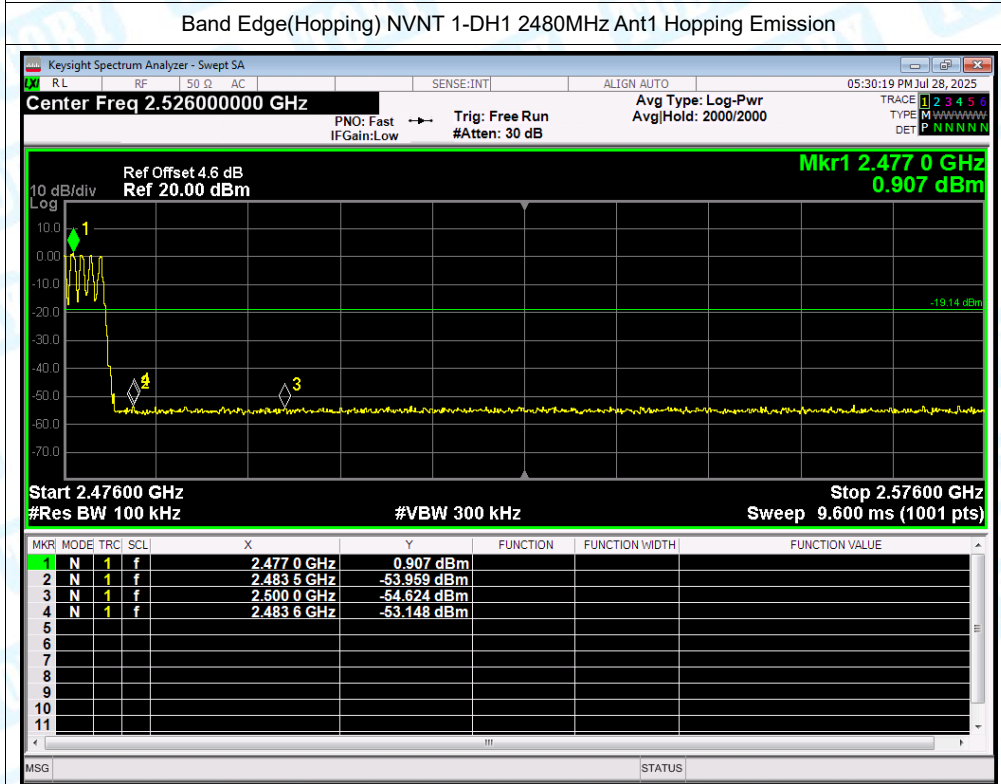
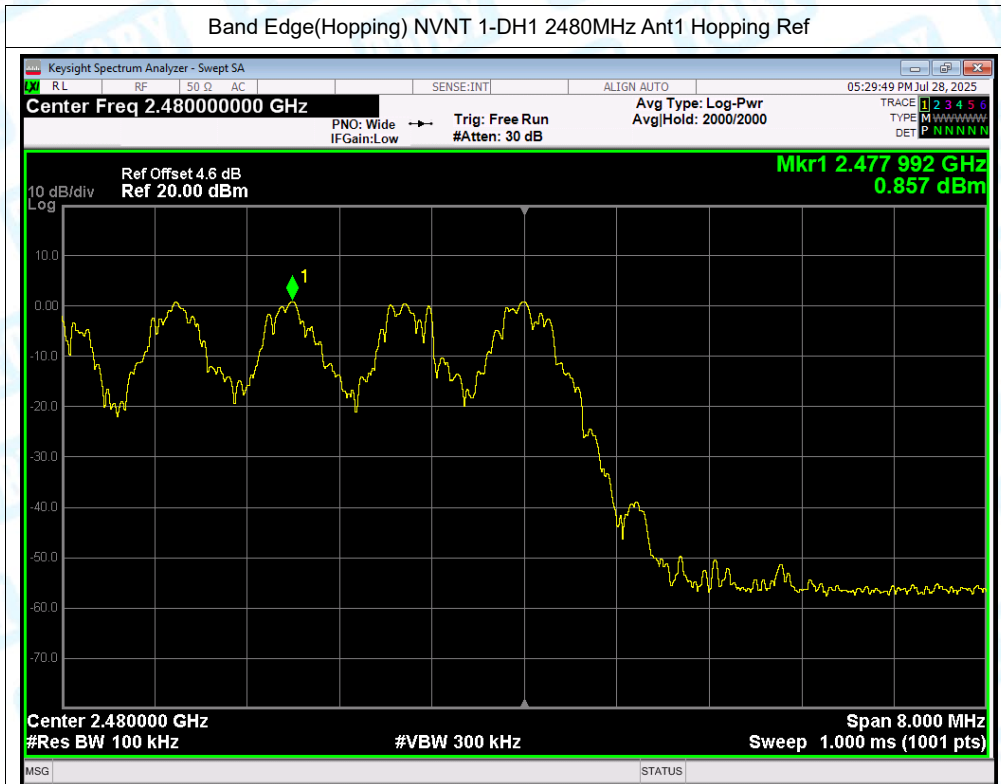
### Test Graphs

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

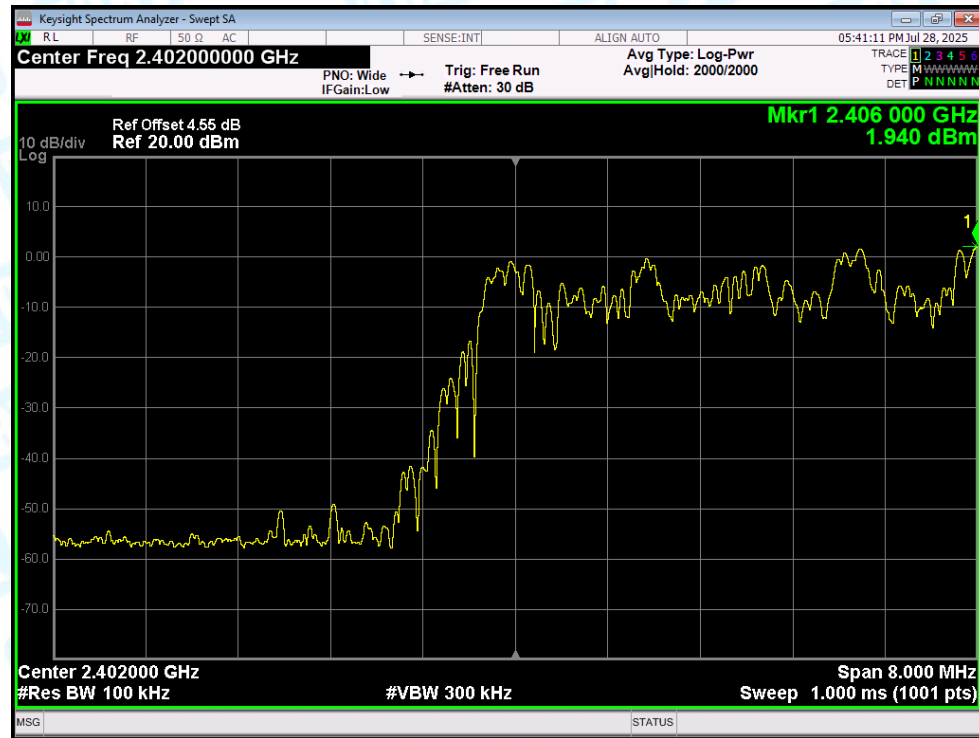


#### Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission

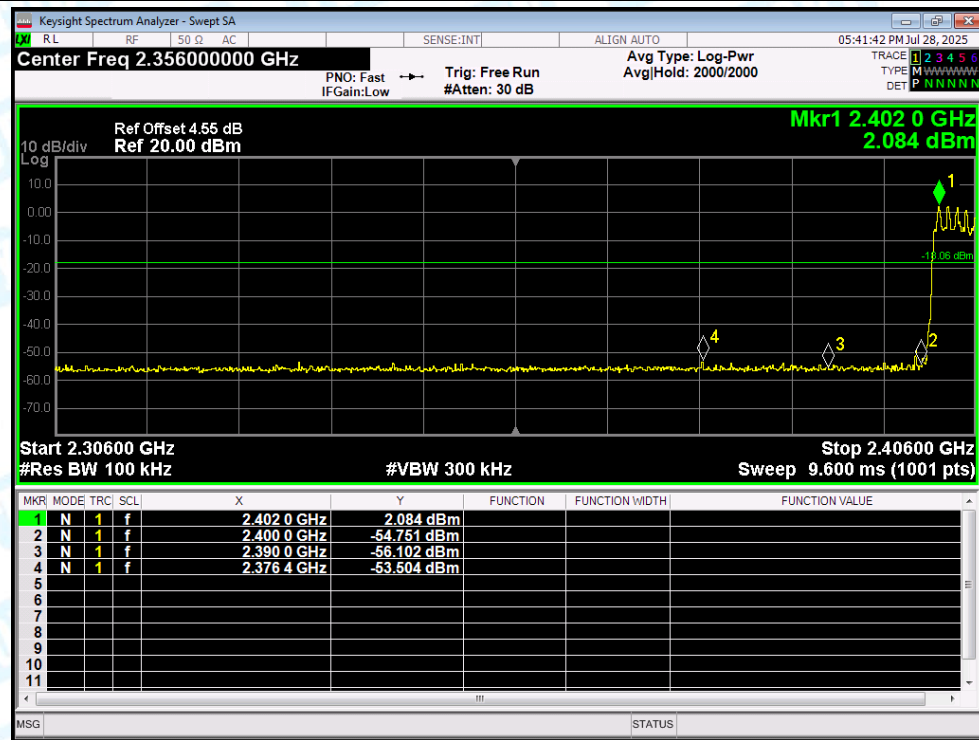


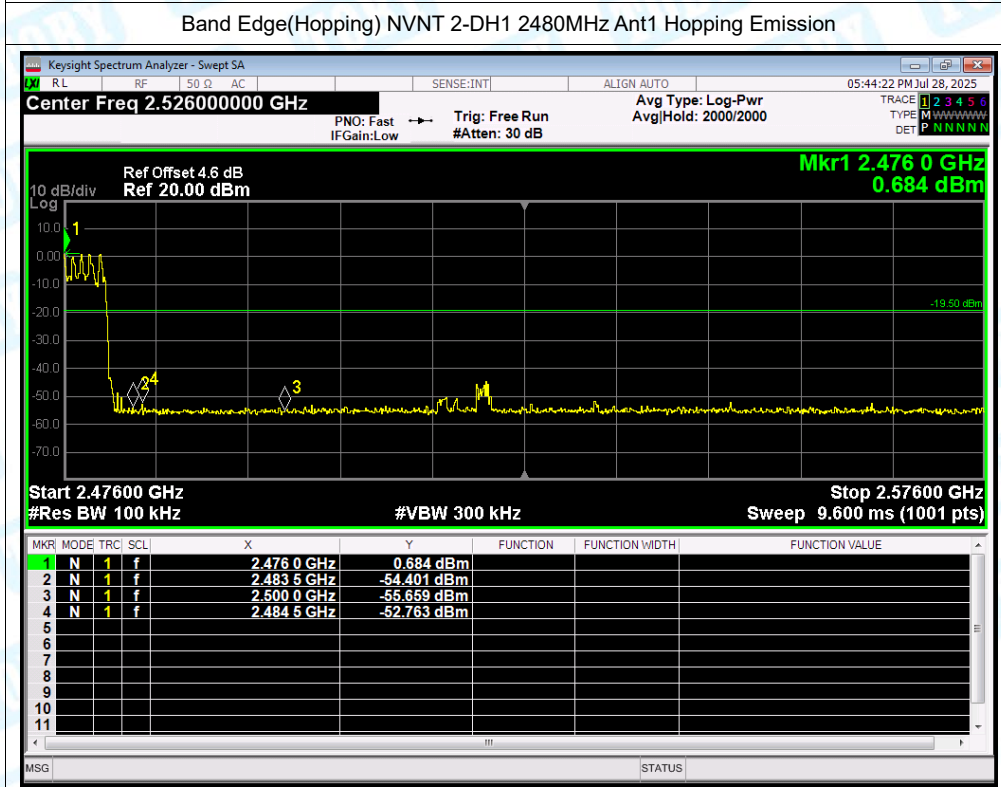


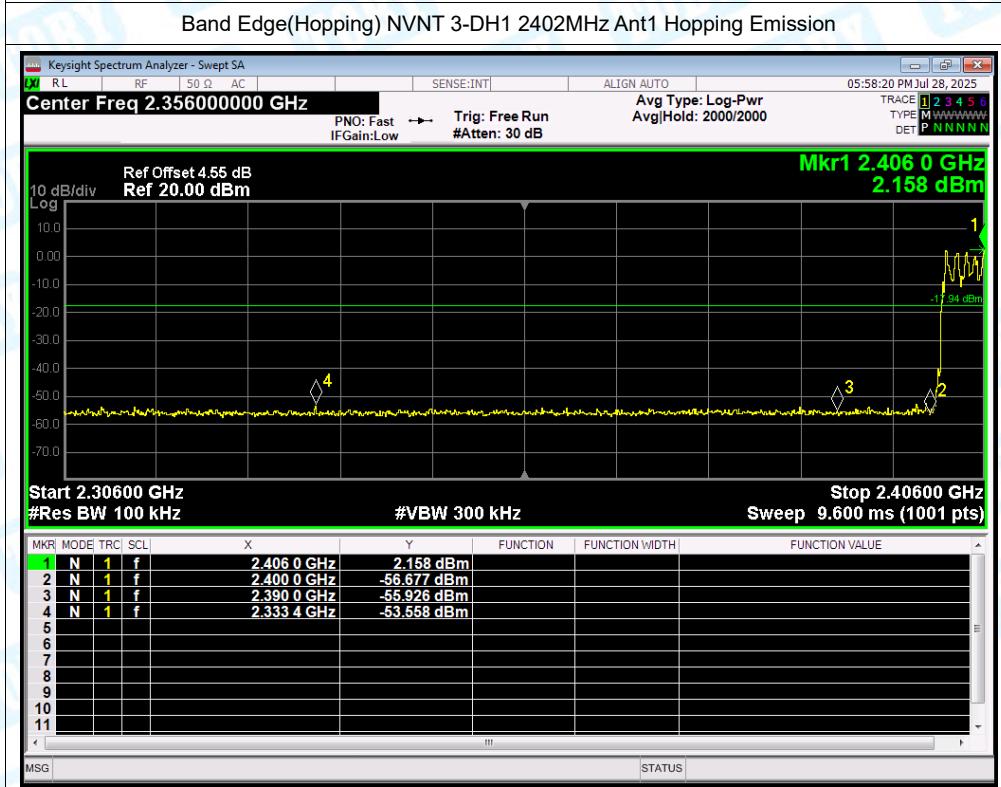
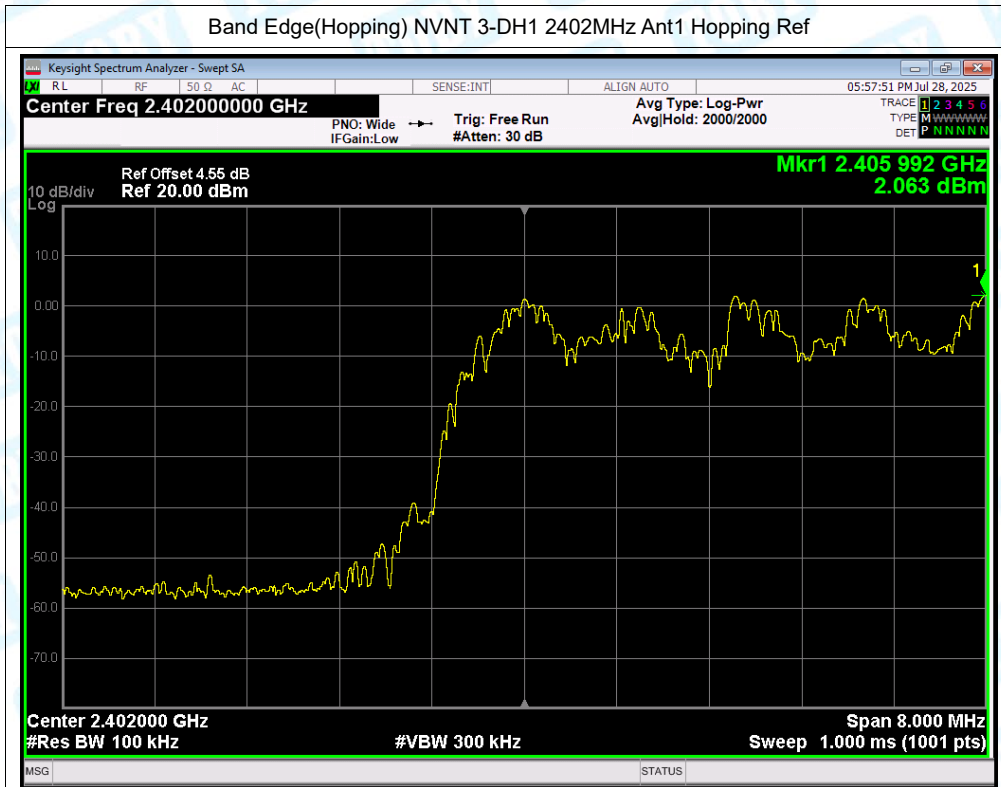
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



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



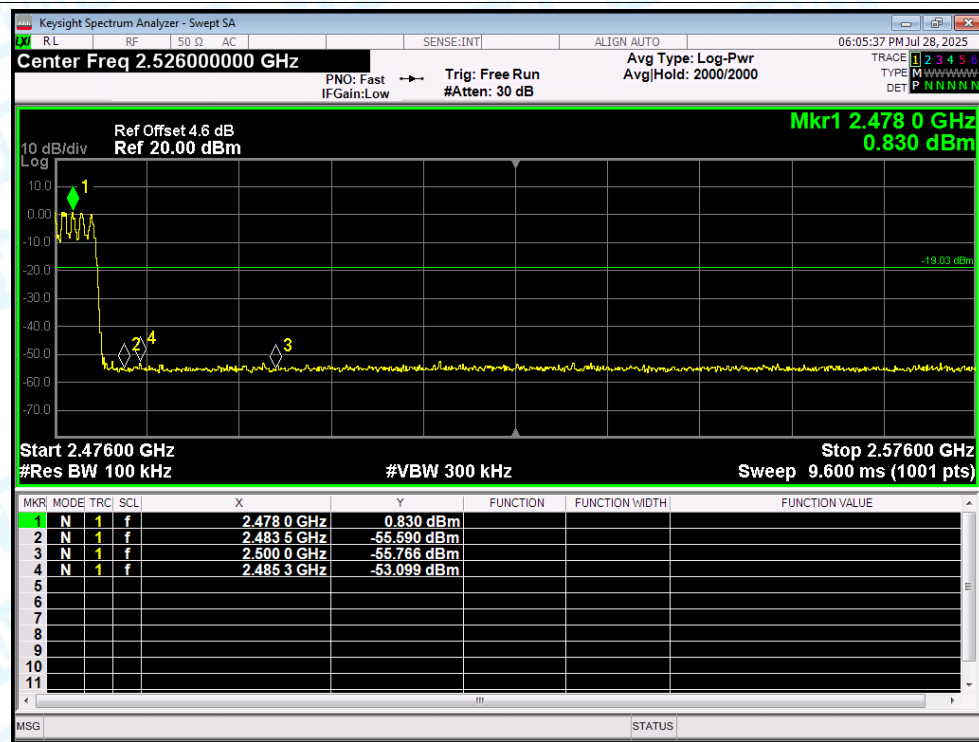




Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Ref



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

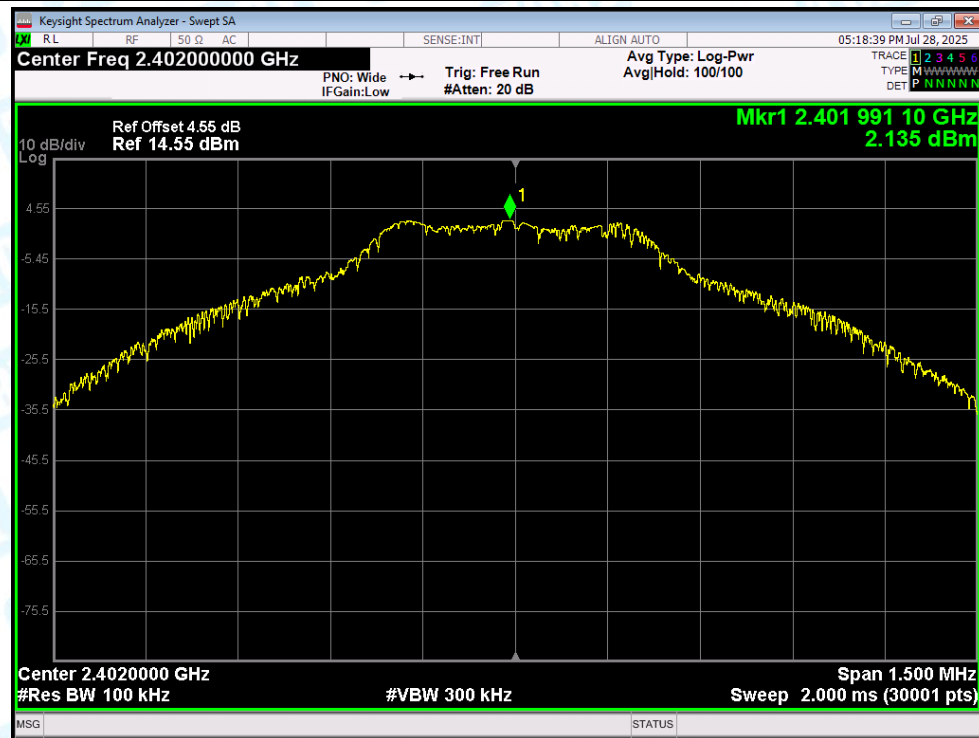


## 7. Conducted RF Spurious Emission

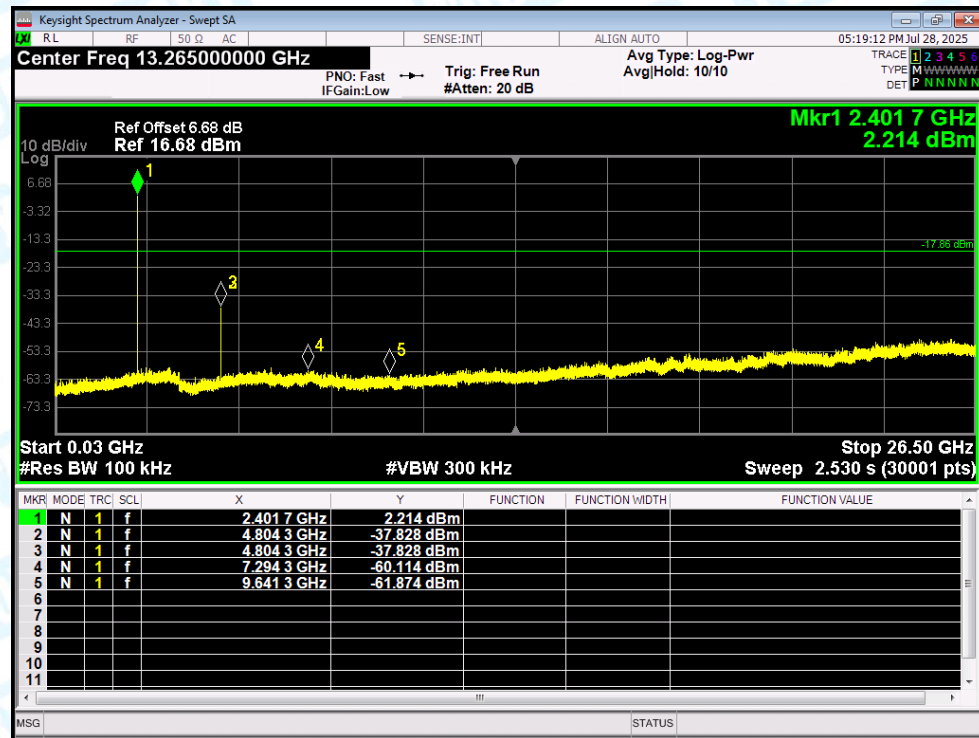
| Condition | Mode  | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | -39.96          | -20         | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | -39.9           | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | -41.33          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | -47.17          | -20         | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | -39.1           | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | -40.43          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | -39.73          | -20         | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | -45.29          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | -39.78          | -20         | Pass    |

### Test Graphs

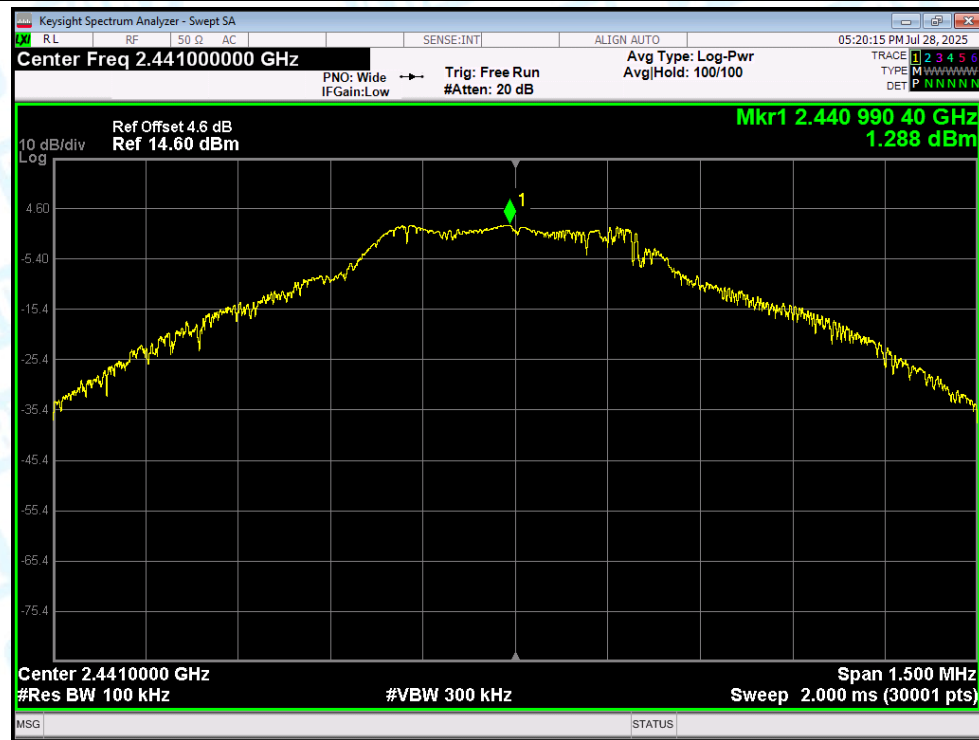
#### Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



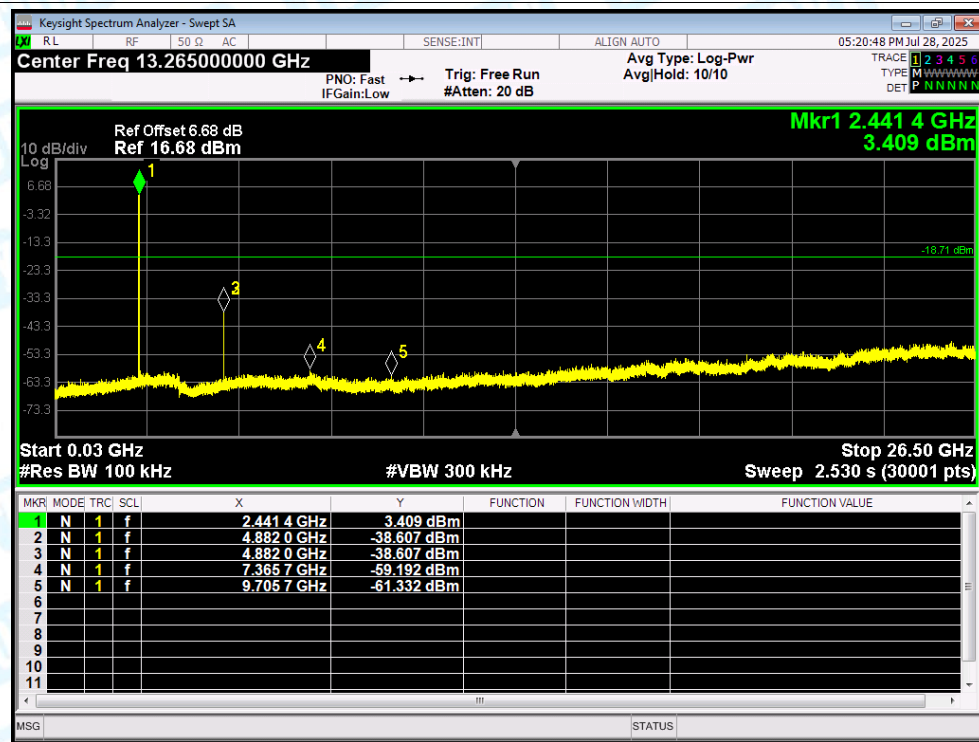
#### Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



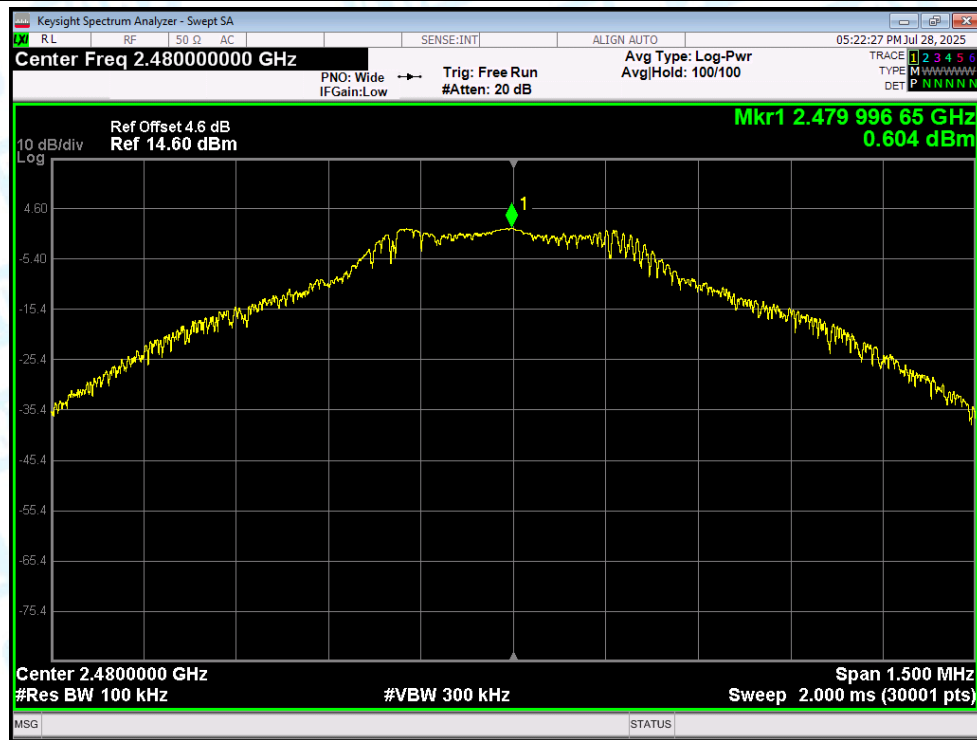
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



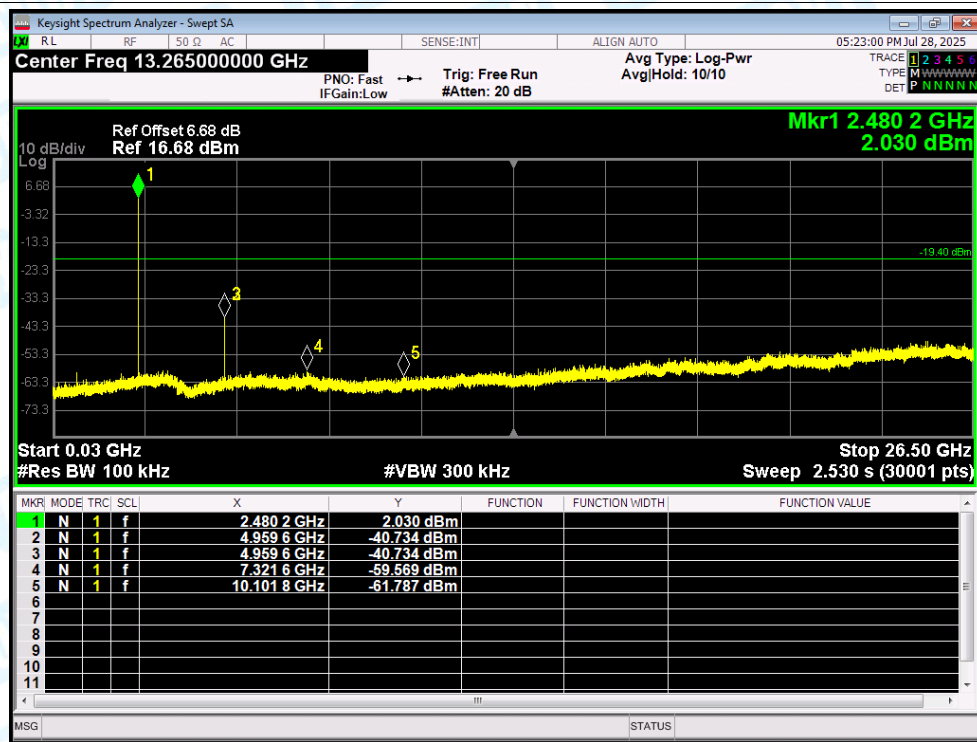
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



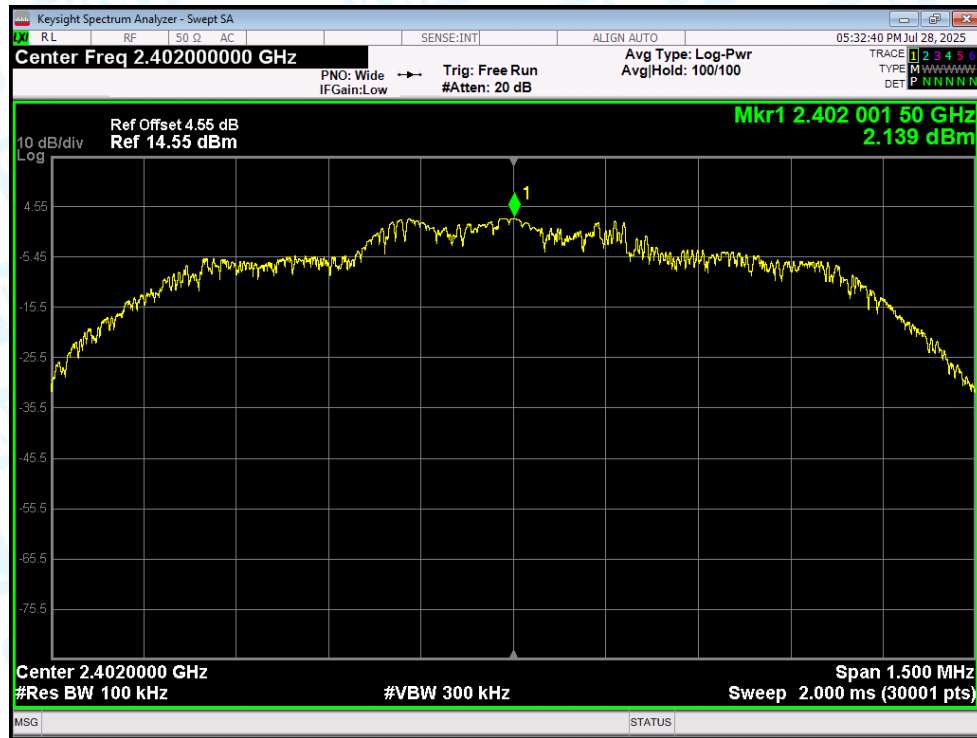
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



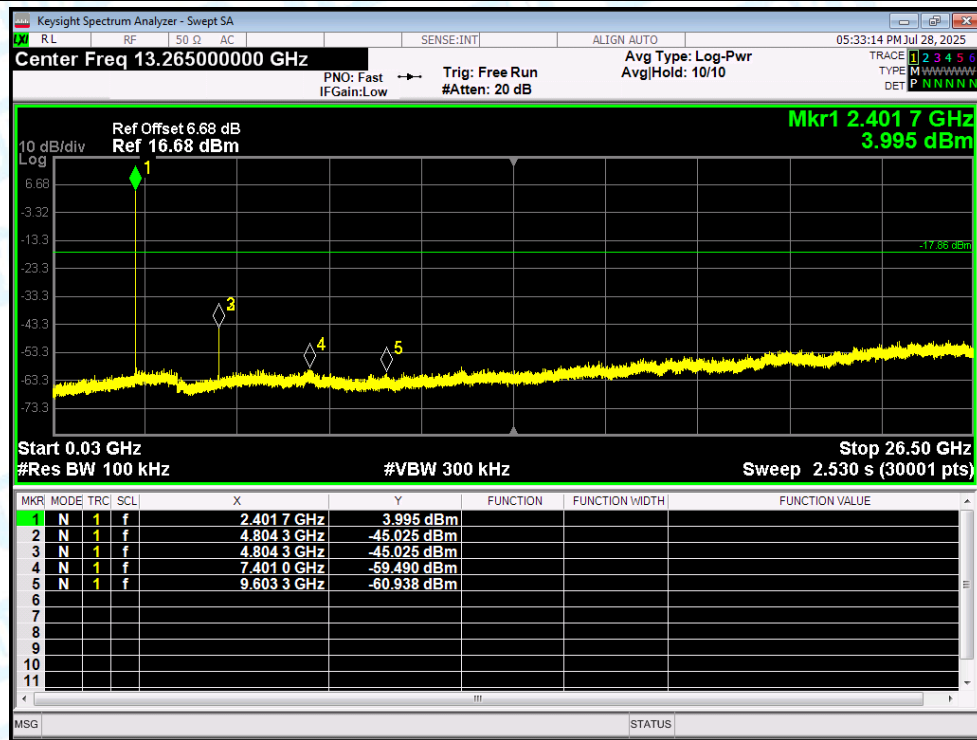
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



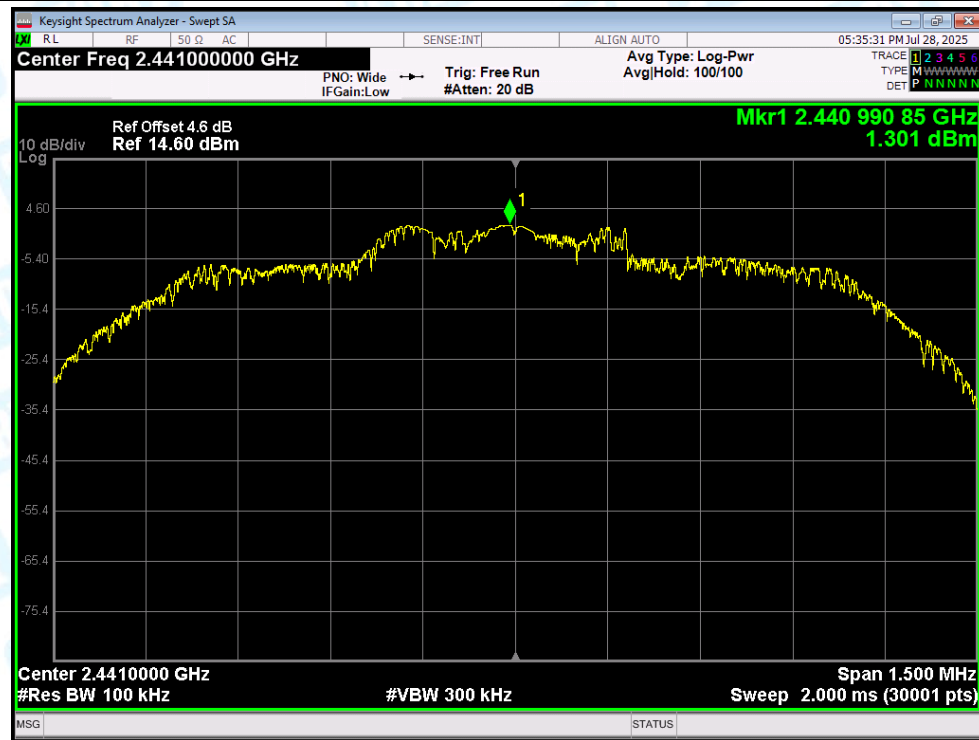
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



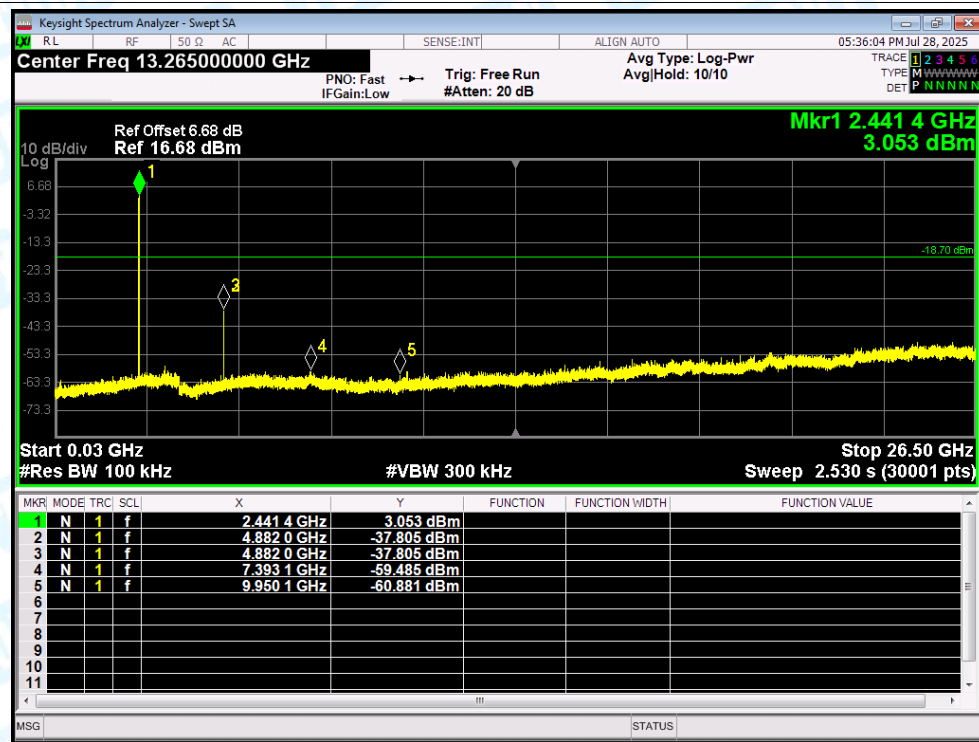
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



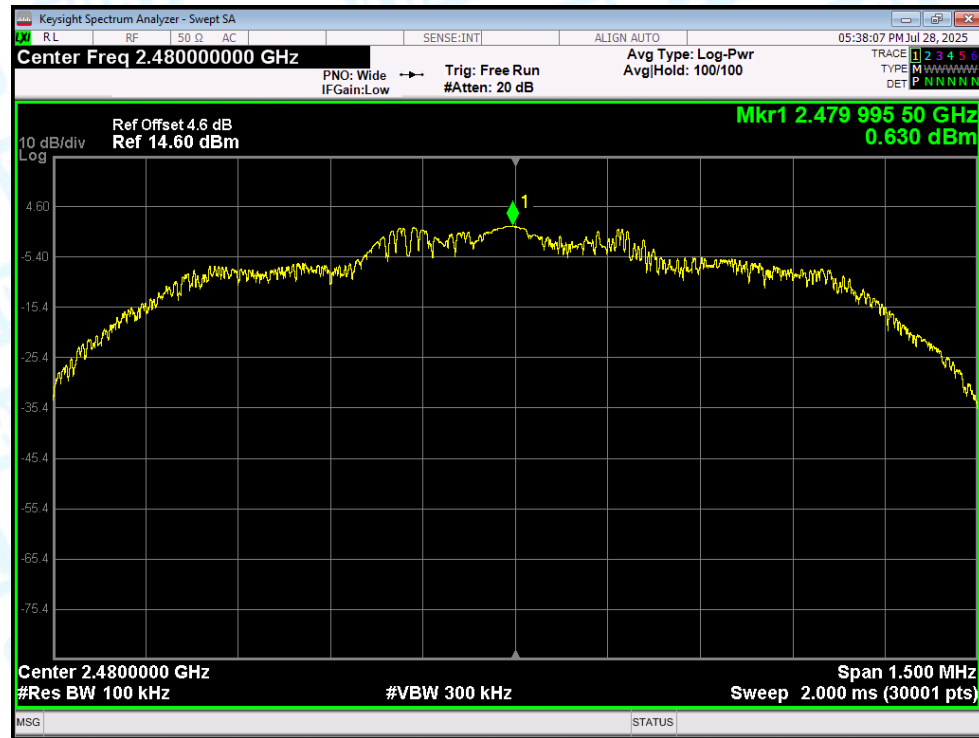
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



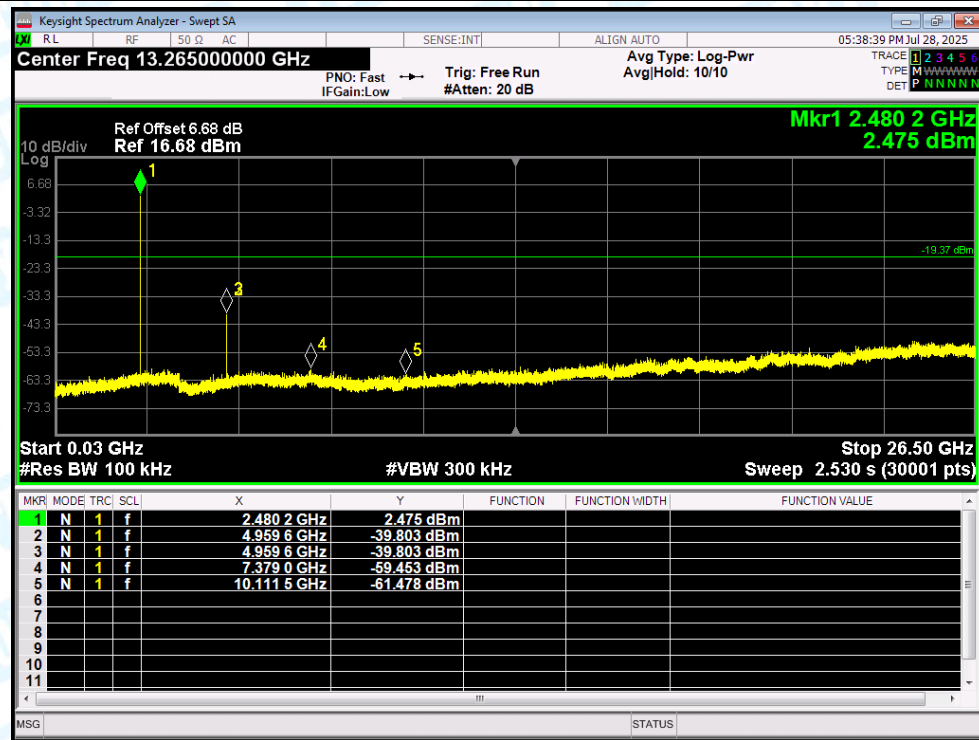
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



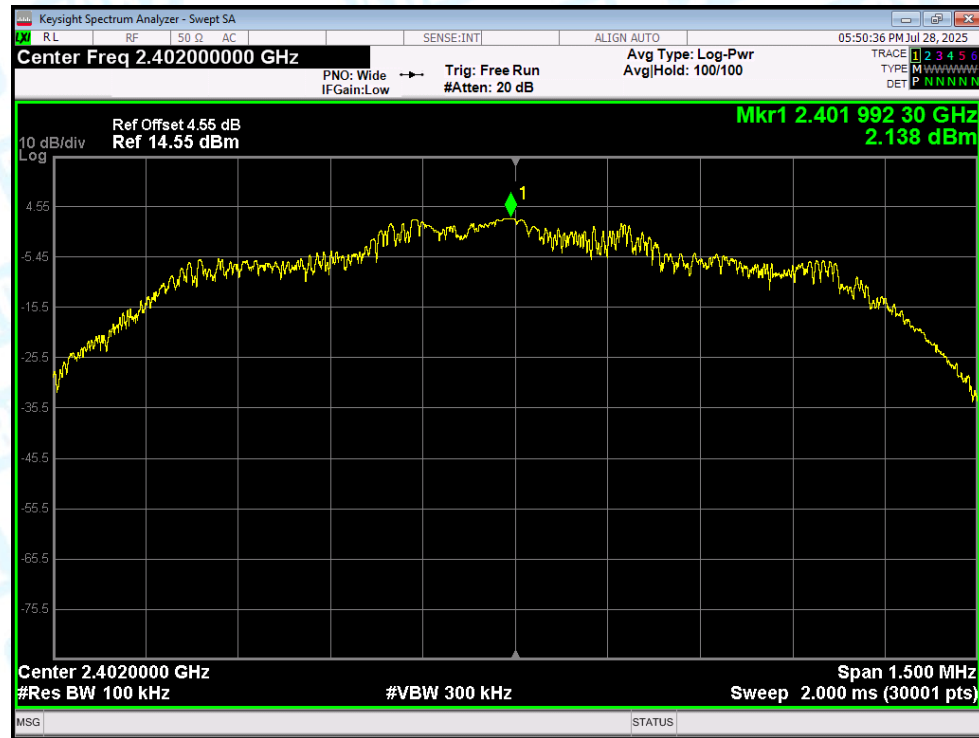
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



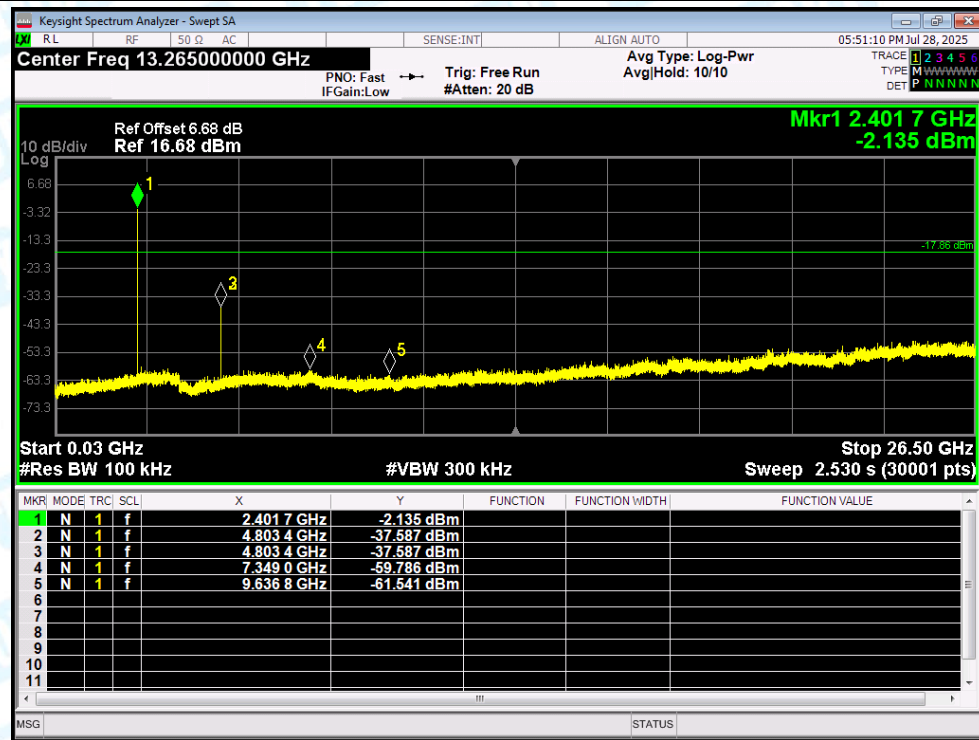
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



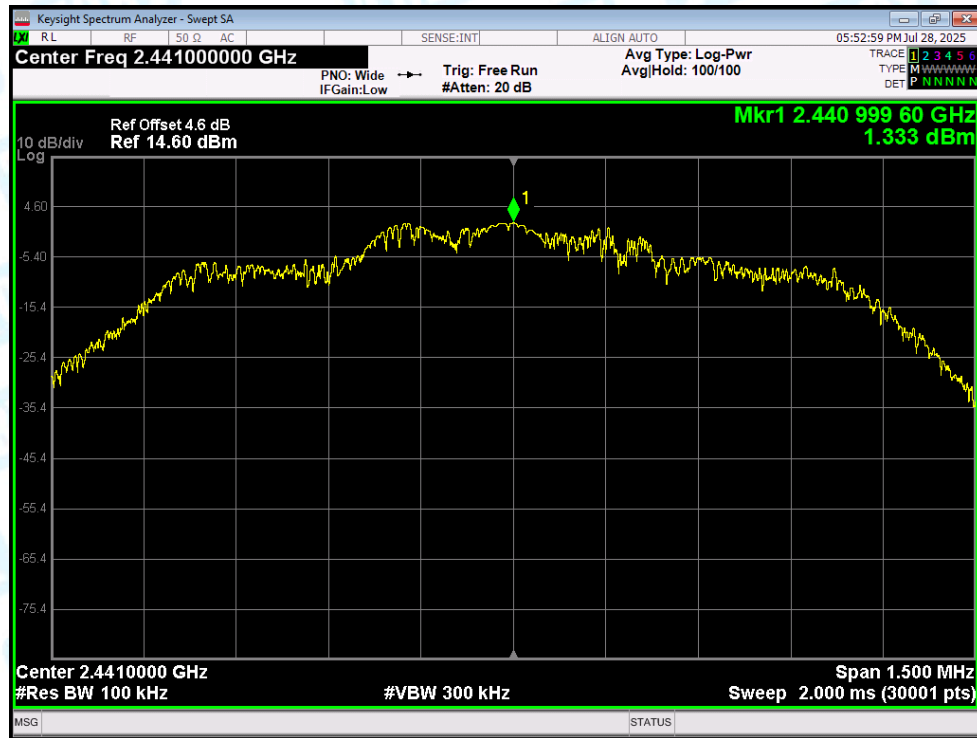
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



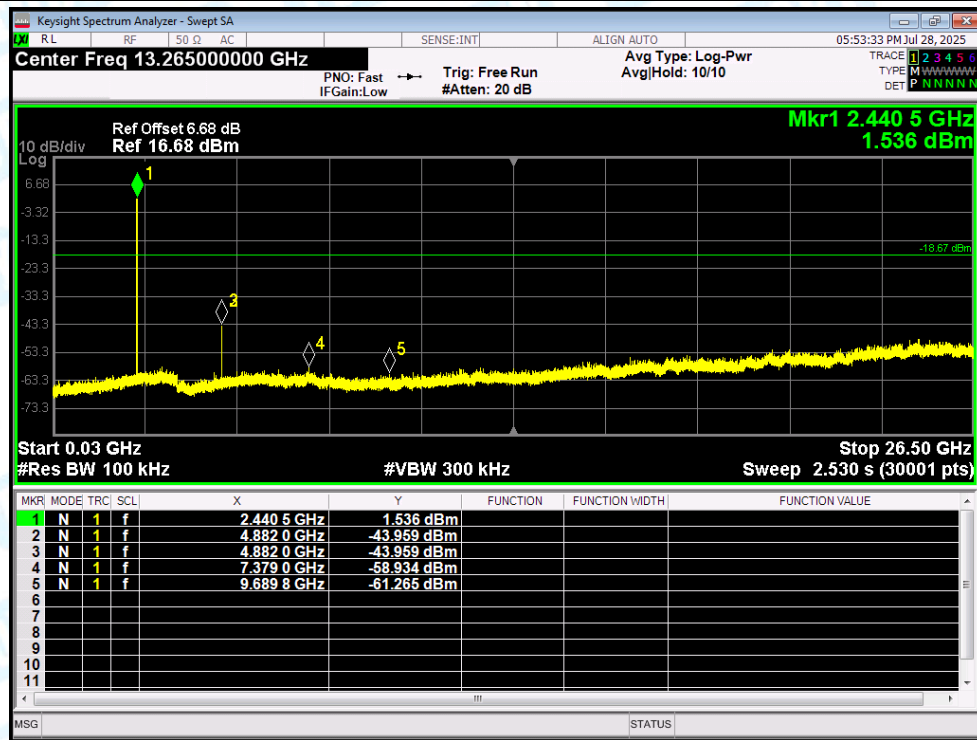
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



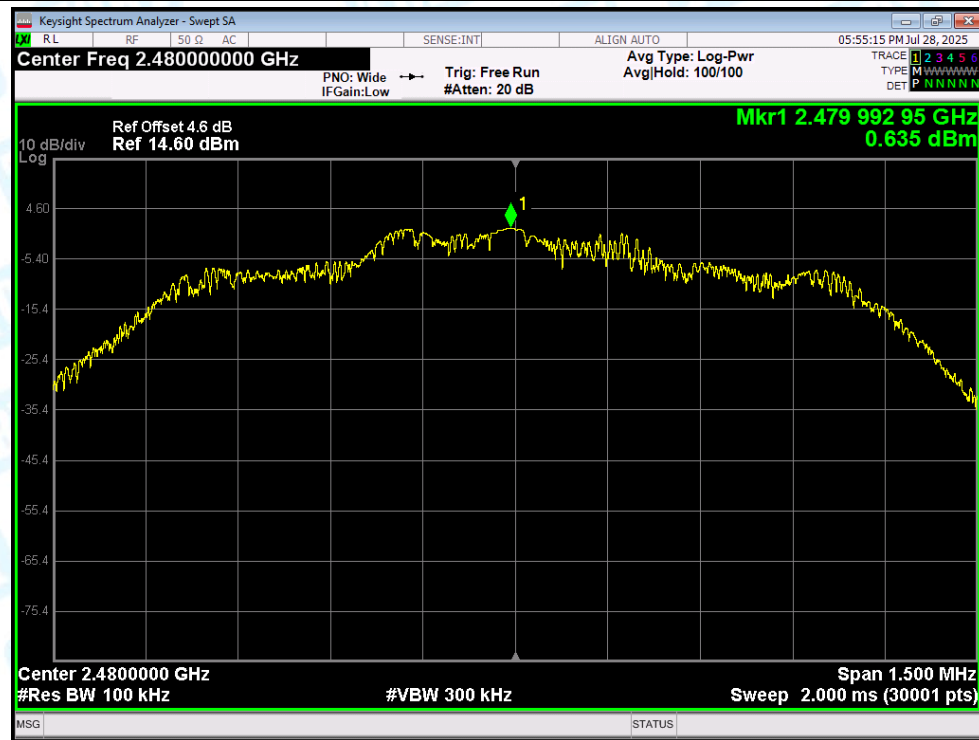
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



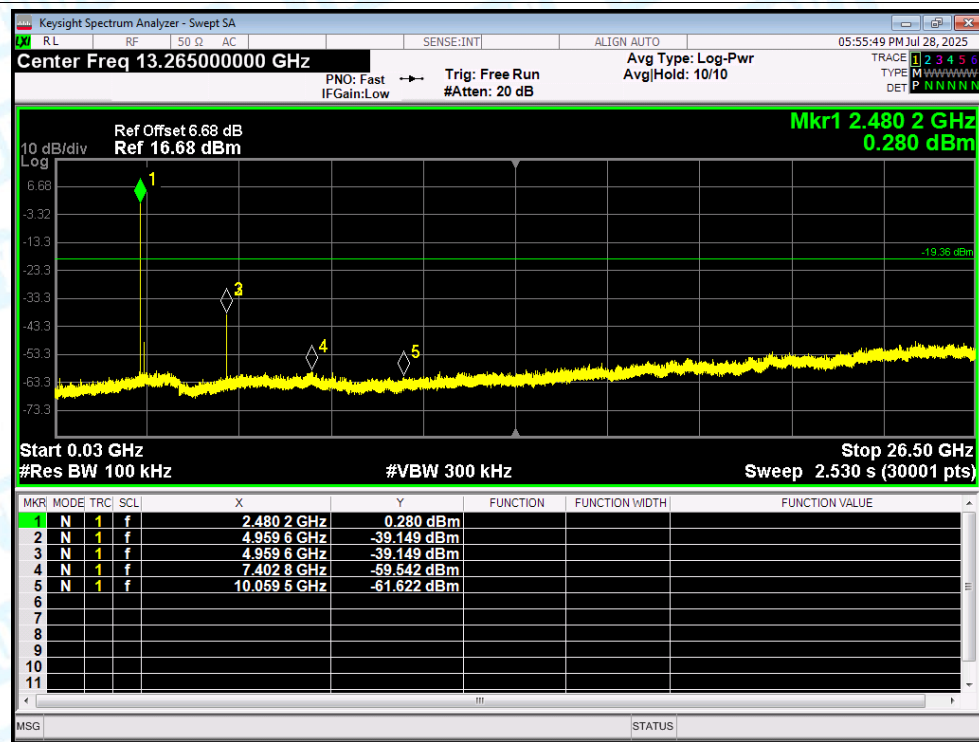
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission

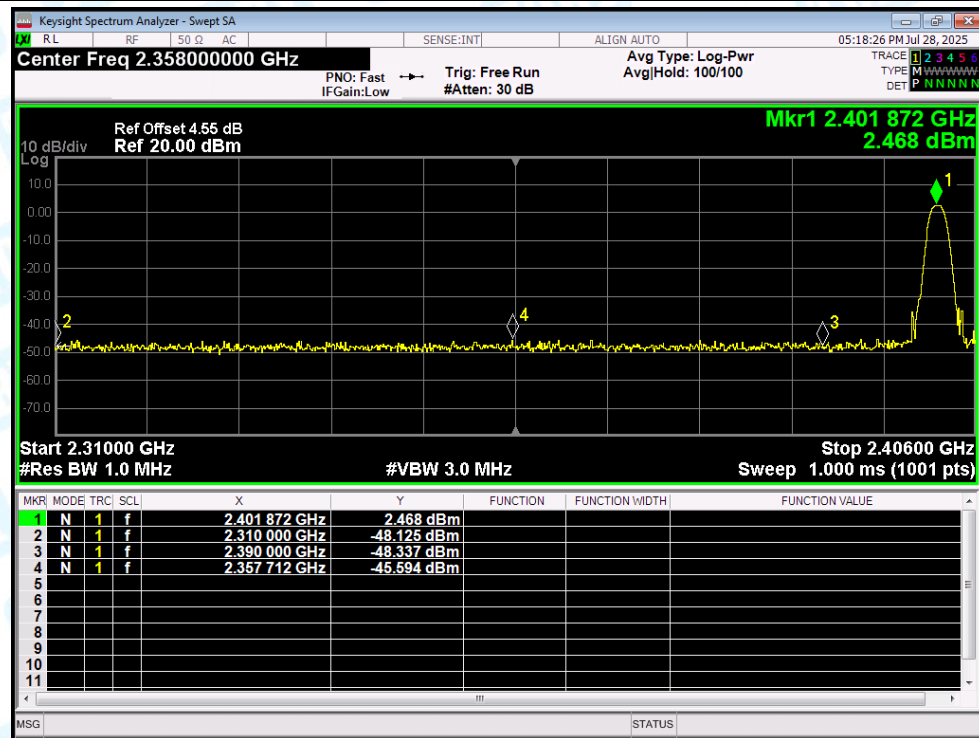


## 8. Restrict Band

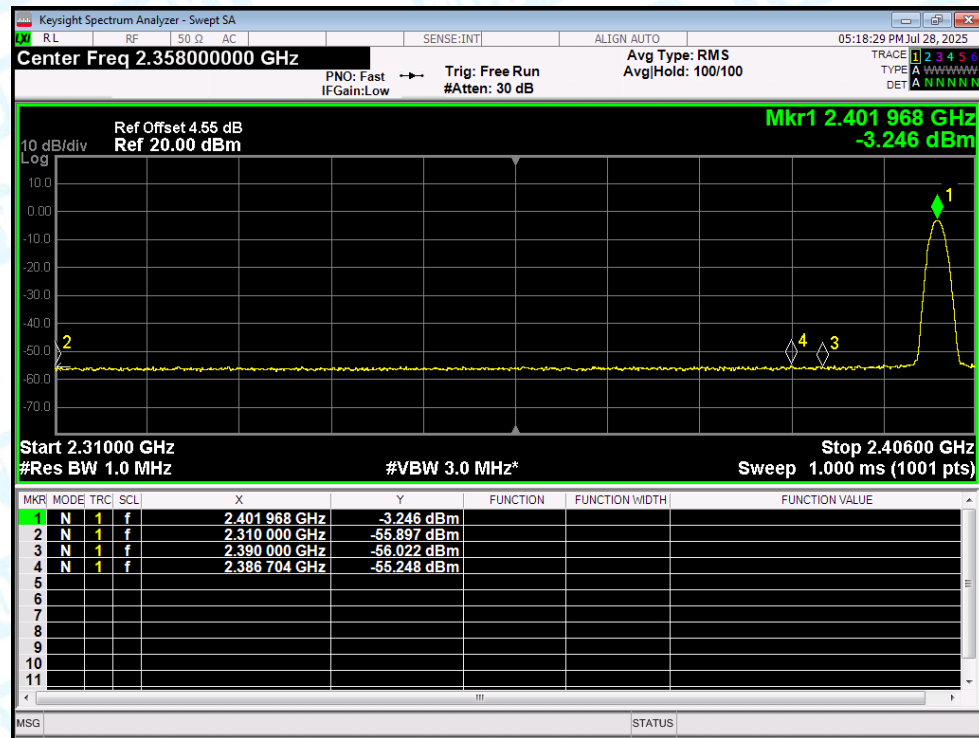
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | Duty Factor (dB) | E (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|------------|------------------|------------|----------|----------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -48.13      | 2          | -                | 49.13      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -55.9       | 2          | 4.74             | 46.1       | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2357.712        | -45.59      | 2          | -                | 51.67      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2386.704        | -55.25      | 2          | 4.74             | 46.75      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -48.34      | 2          | -                | 48.92      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -56.02      | 2          | 4.74             | 45.98      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -47.94      | 2          | -                | 49.32      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -55.39      | 2          | 4.88             | 46.75      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.608        | -41.26      | 2          | -                | 56         | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.824        | -54.51      | 2          | 4.88             | 47.63      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -46.91      | 2          | -                | 50.35      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -55.63      | 2          | 4.88             | 46.51      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -47.68      | 2          | -                | 49.58      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -56.28      | 2          | 4.74             | 45.72      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2382.48         | -44.08      | 2          | -                | 53.18      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2368.944        | -55.41      | 2          | 4.74             | 46.59      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -48.17      | 2          | -                | 49.09      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -55.41      | 2          | 4.74             | 46.59      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -46.51      | 2          | -                | 50.75      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -55.74      | 2          | 4.74             | 46.26      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2484.424        | -41.4       | 2          | -                | 55.86      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2496.232        | -54.51      | 2          | 4.74             | 47.49      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -48.63      | 2          | -                | 48.63      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -55.62      | 2          | 4.74             | 46.38      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -48.12      | 2          | -                | 49.14      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -56.76      | 2          | 4.74             | 45.24      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2376.912        | -45.55      | 2          | -                | 51.71      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2389.968        | -55.33      | 2          | 4.74             | 46.67      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -47.21      | 2          | -                | 50.05      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -55.33      | 2          | 4.74             | 46.67      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -48.41      | 2          | -                | 48.85      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -55.28      | 2          | 4.74             | 46.72      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2484.016        | -41.4       | 2          | -                | 55.86      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.656        | -54.35      | 2          | 4.74             | 47.65      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -48.05      | 2          | -                | 49.21      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -55.68      | 2          | 4.74             | 46.32      | Average  | 54             | Pass    |

### Test Graphs

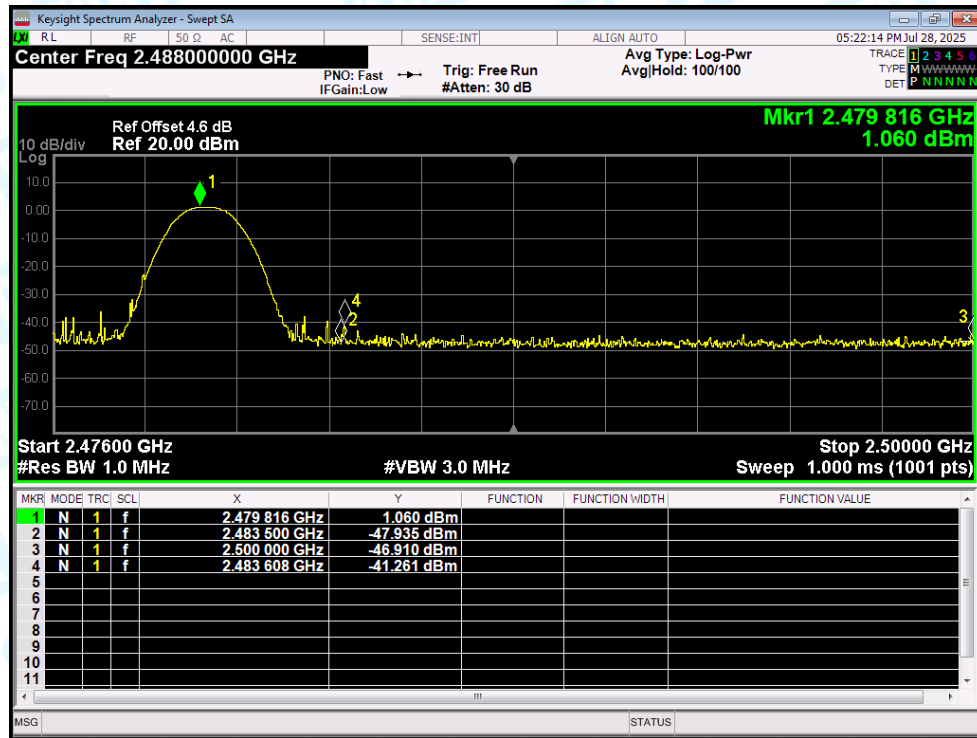
#### Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Peak



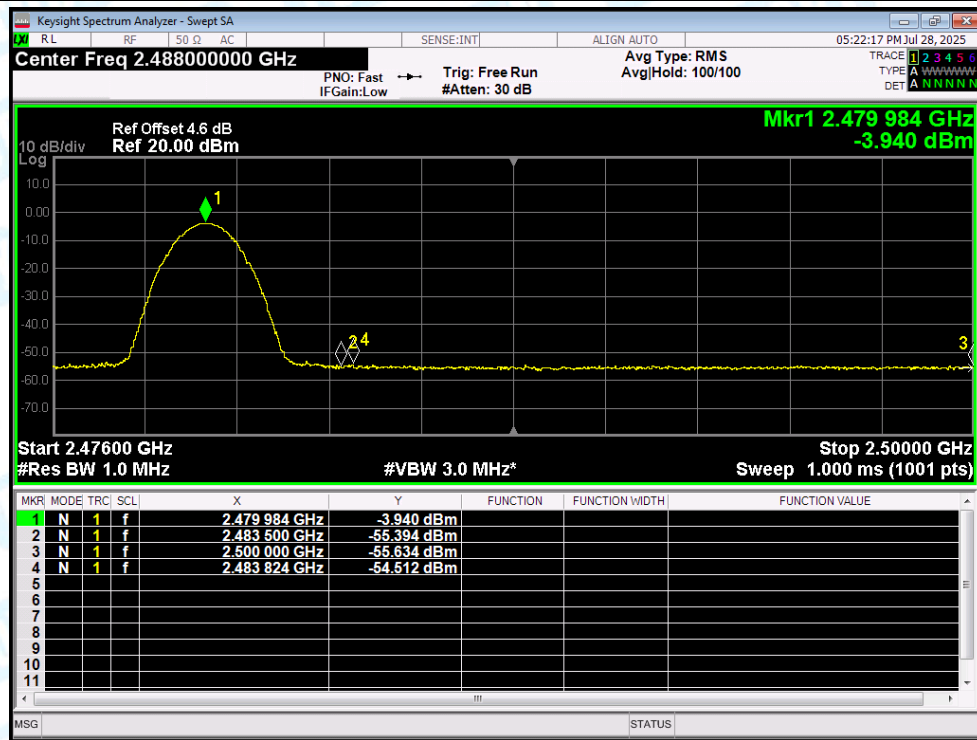
#### Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Average



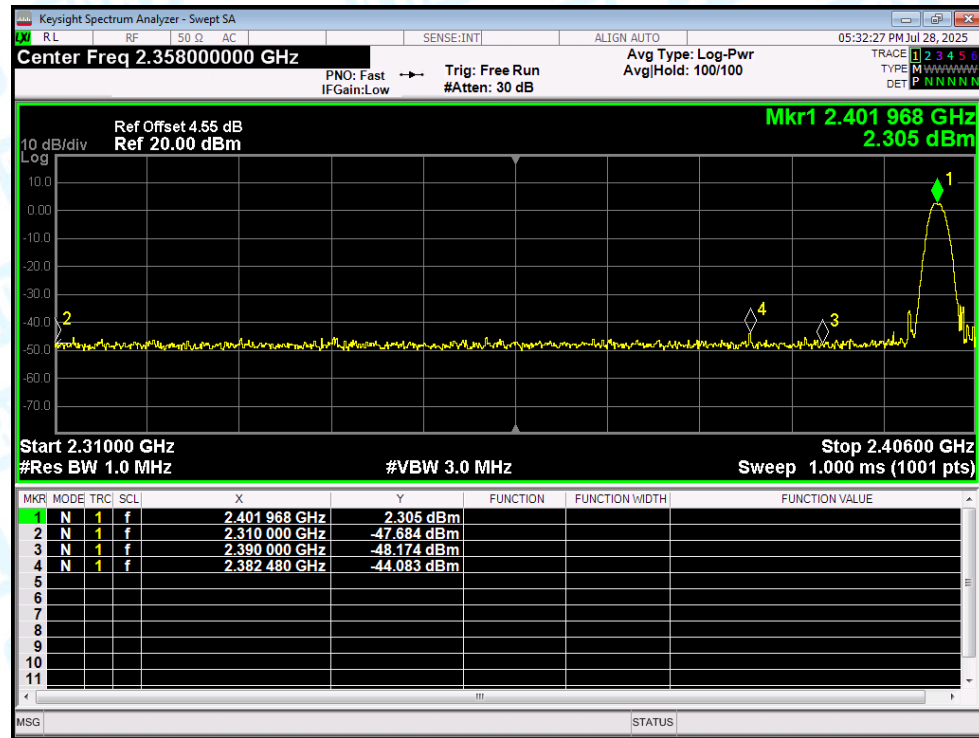
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Peak



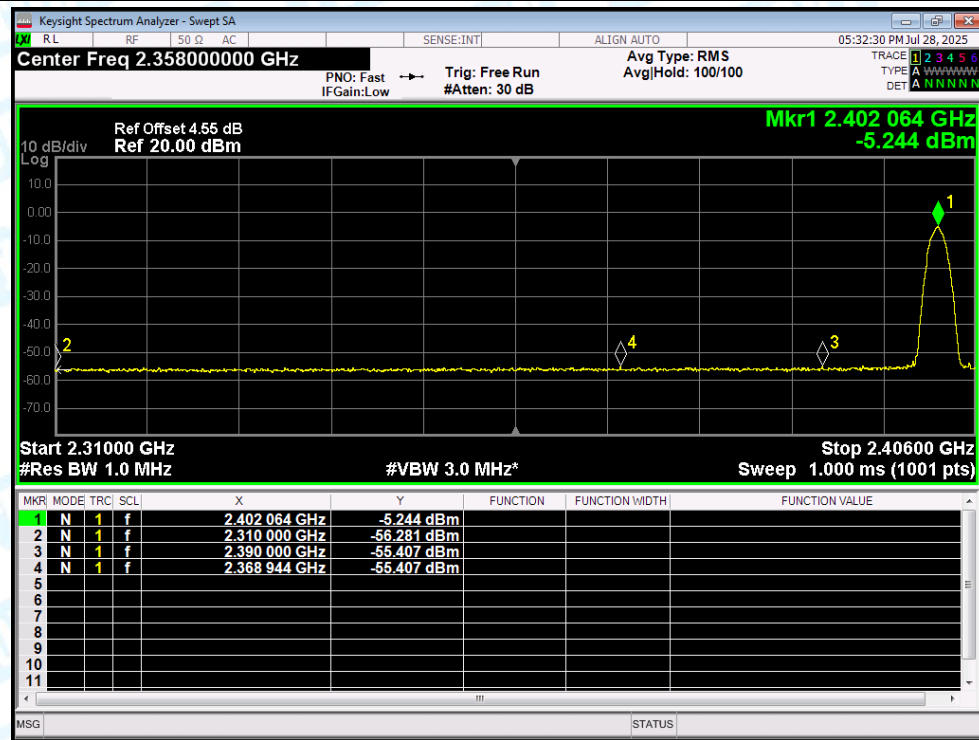
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Average



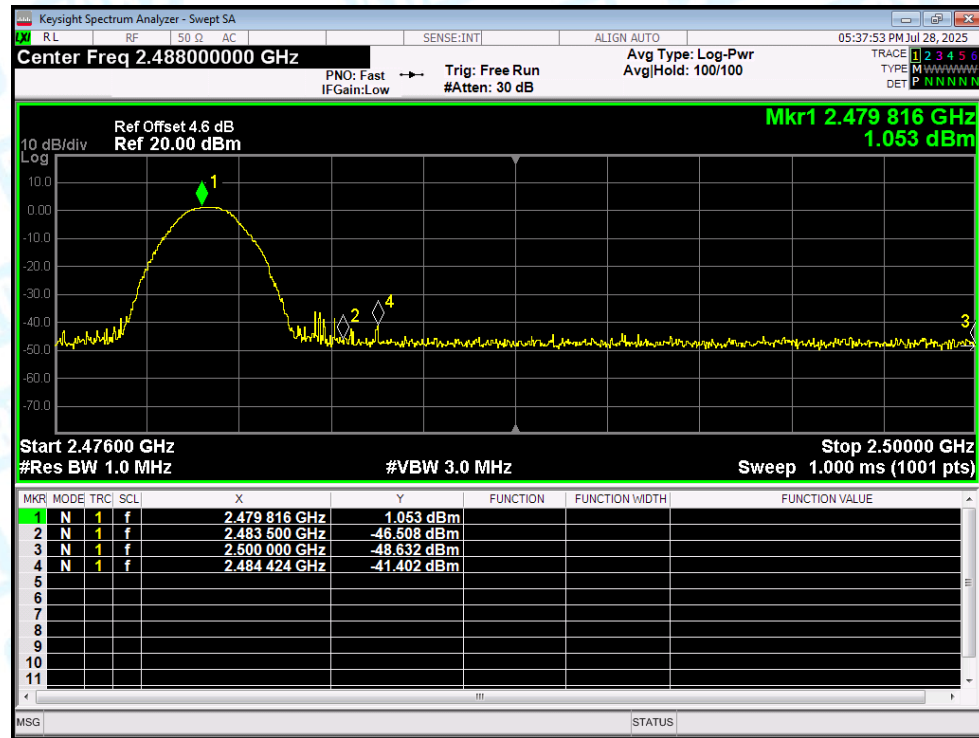
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Peak



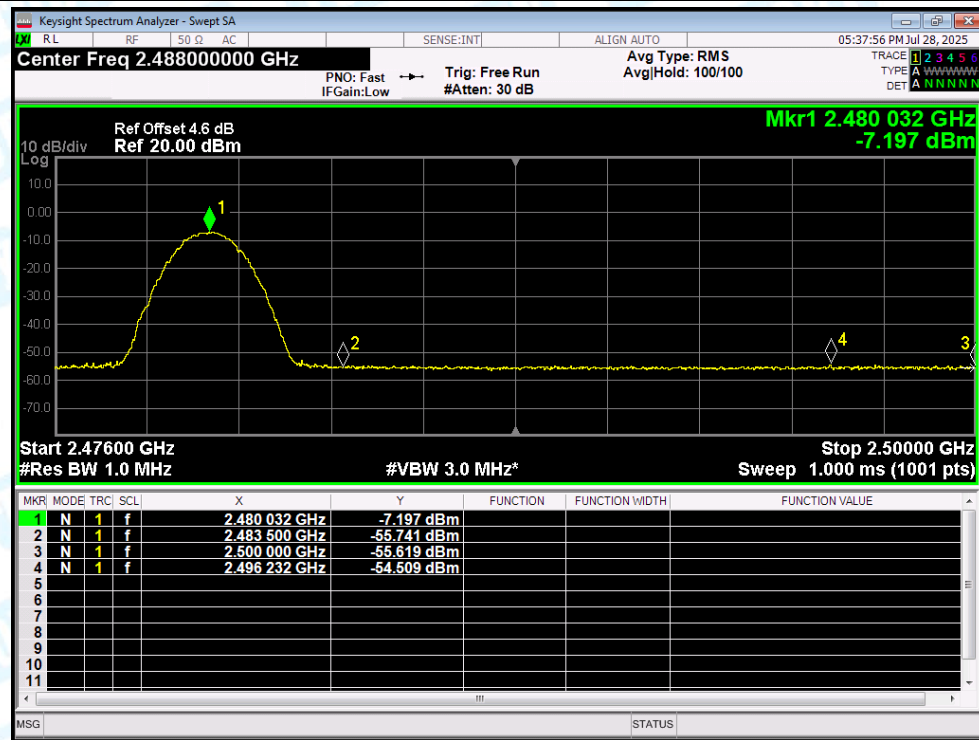
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Average



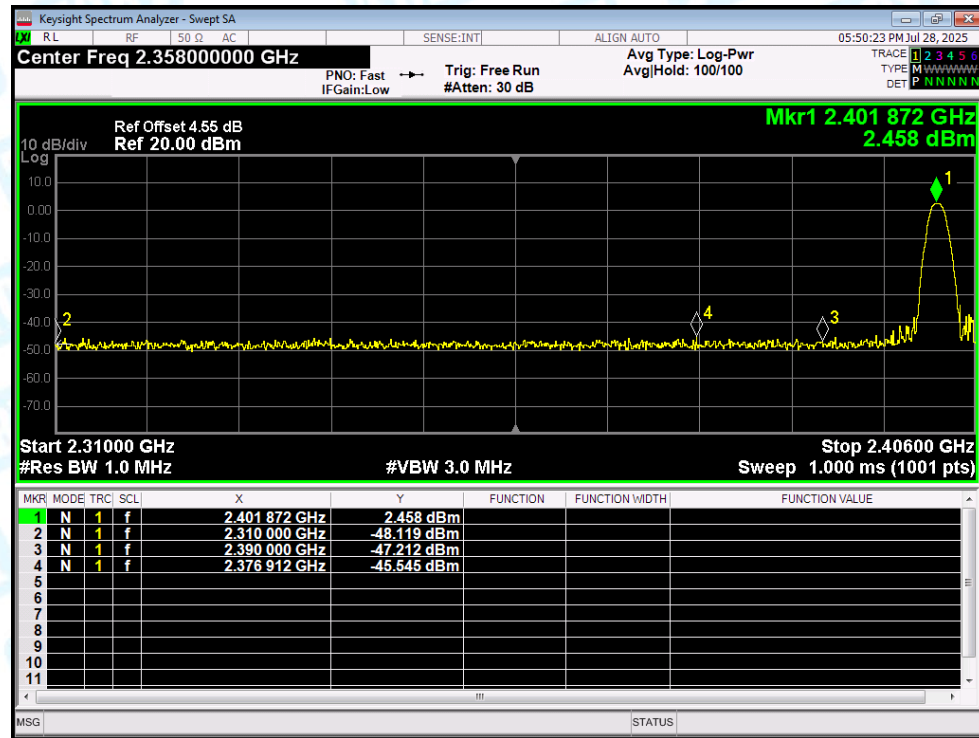
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Peak



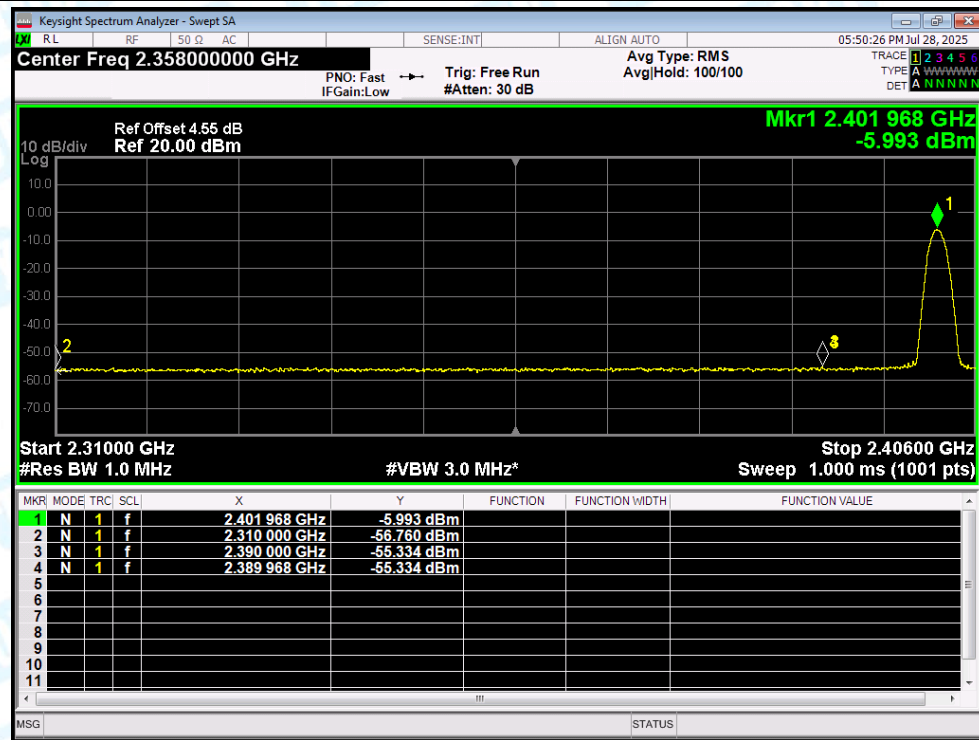
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Average



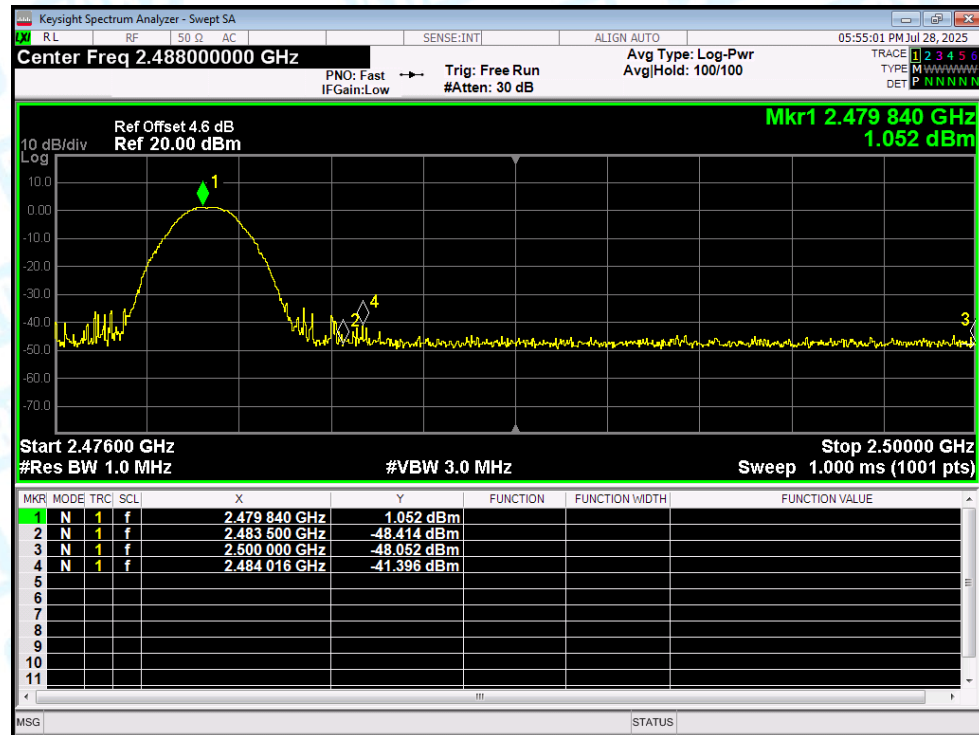
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Peak



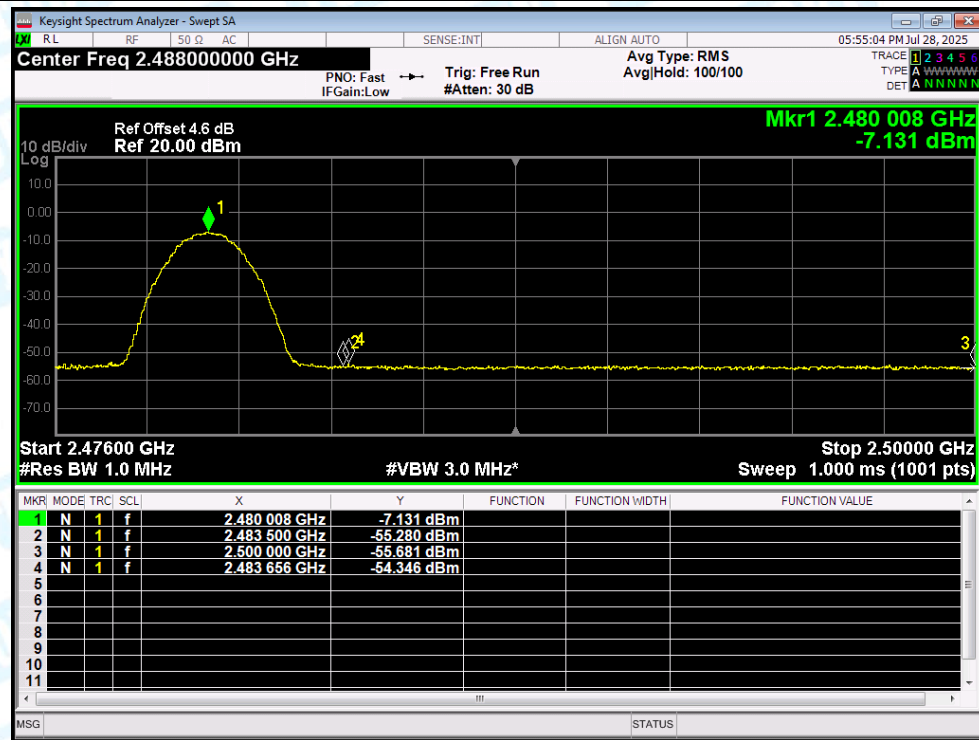
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Average



Restrict Band NVNT 3-DH1 2480MHz Ant1 No-Hopping Peak



Restrict Band NVNT 3-DH1 2480MHz Ant1 No-Hopping Average

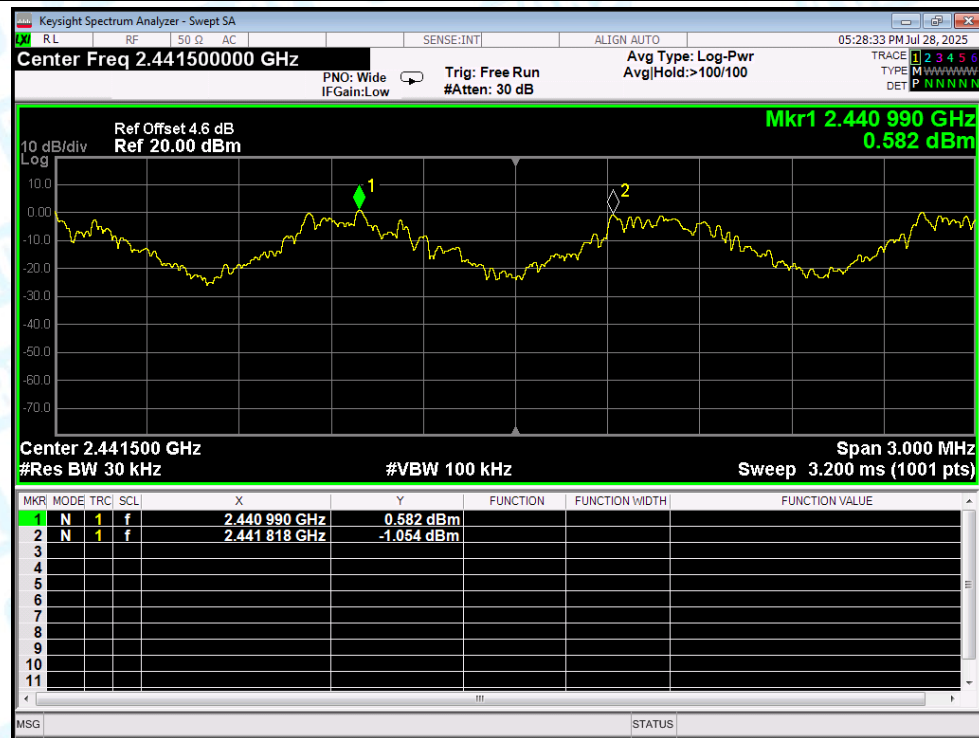


## 9. Carrier Frequencies Separation

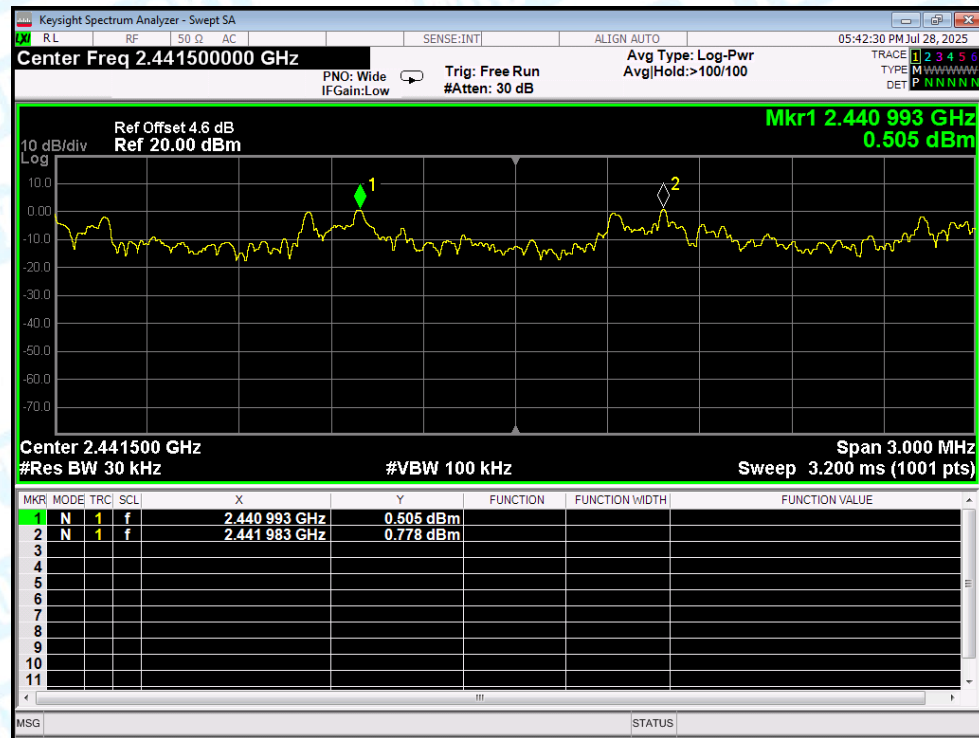
| Condition | Mode  | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|-----------|-------|---------|---------------------|---------------------|-----------|-------------|---------|
| NVNT      | 1-DH1 | Ant1    | 2440.99             | 2441.818            | 0.828     | 0.573       | Pass    |
| NVNT      | 2-DH1 | Ant1    | 2440.993            | 2441.983            | 0.99      | 0.767       | Pass    |
| NVNT      | 3-DH1 | Ant1    | 2440.975            | 2441.989            | 1.014     | 0.78        | Pass    |

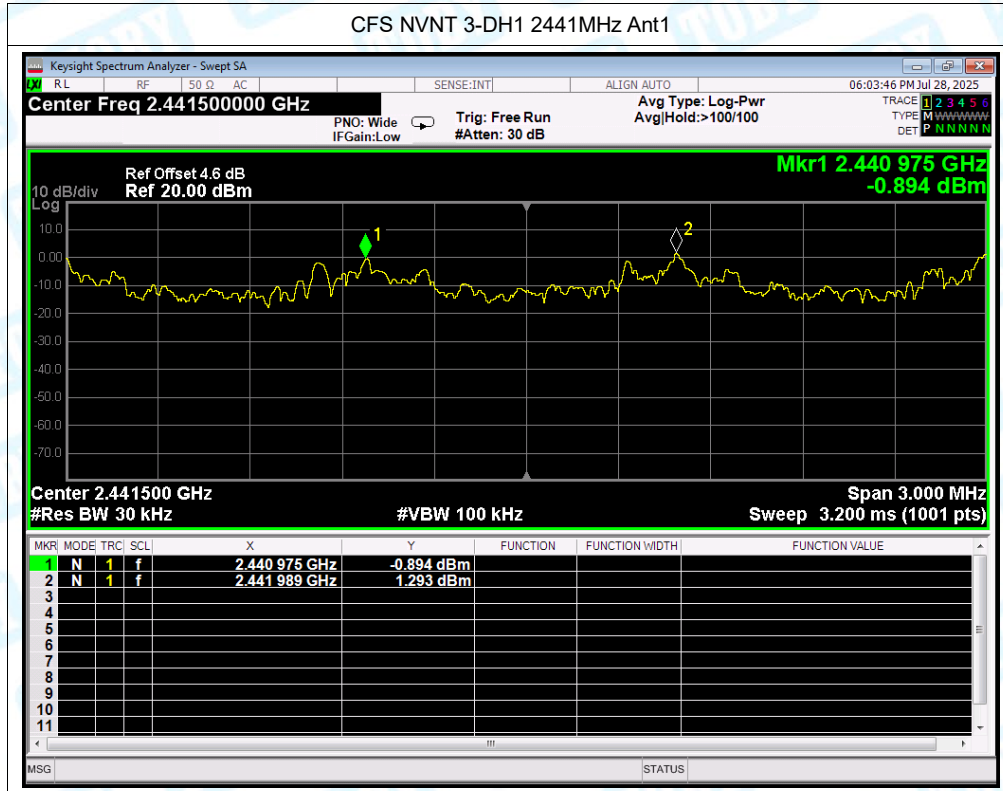
### Test Graphs

#### CFS NVNT 1-DH1 2441MHz Ant1



#### CFS NVNT 2-DH1 2441MHz Ant1



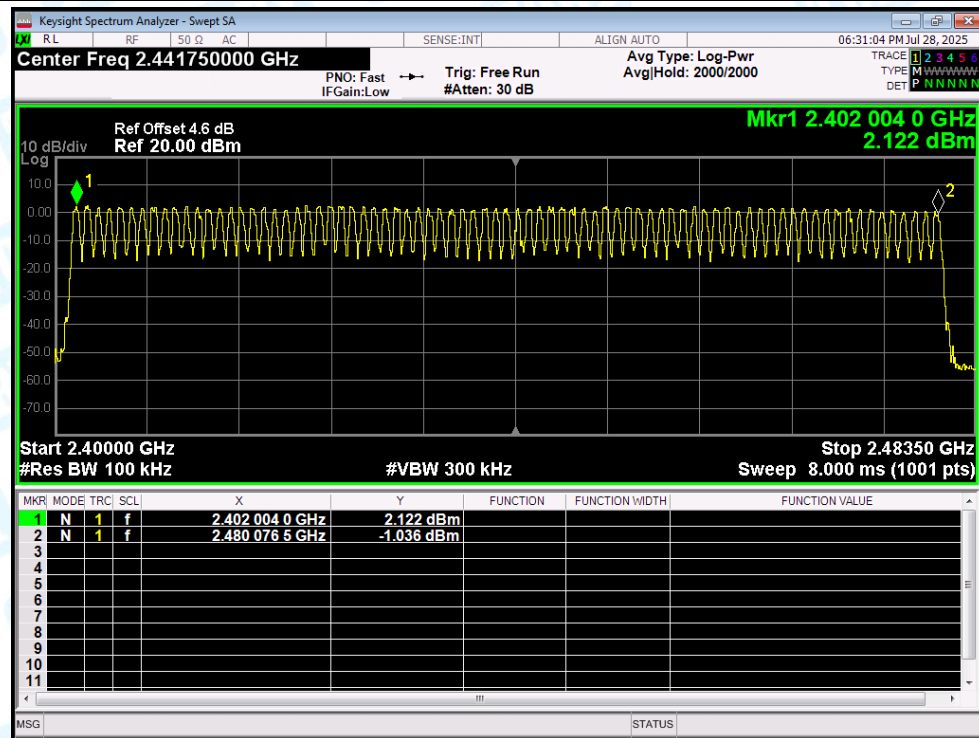


## 10. Number of Hopping Channel

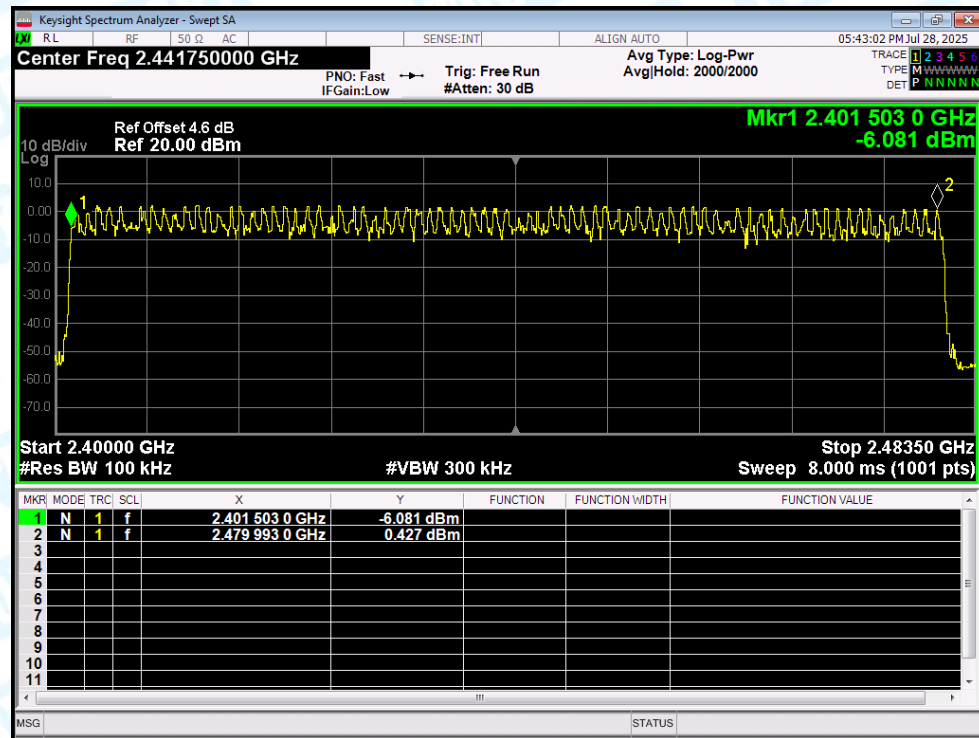
| Condition | Mode  | Antenna | Hopping Number | Limit | Verdict |
|-----------|-------|---------|----------------|-------|---------|
| NVNT      | 1-DH1 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 2-DH1 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 3-DH1 | Ant1    | 79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

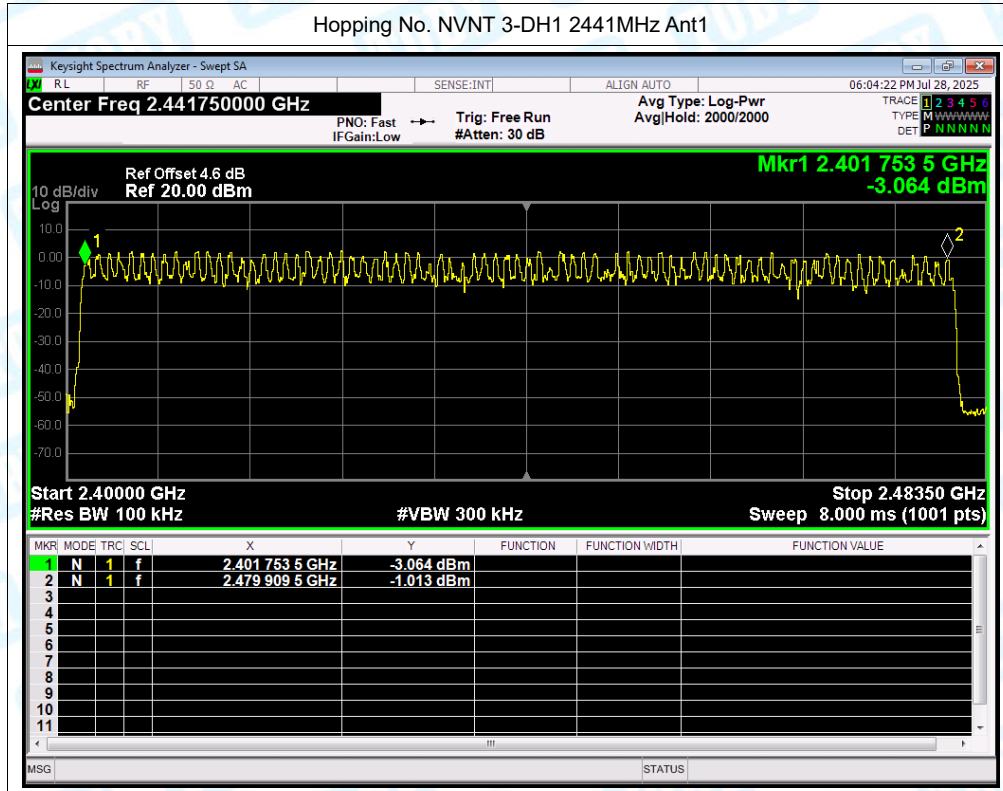
### Test Graphs

Hopping No. NVNT 1-DH1 2441MHz Ant1



Hopping No. NVNT 2-DH1 2441MHz Ant1



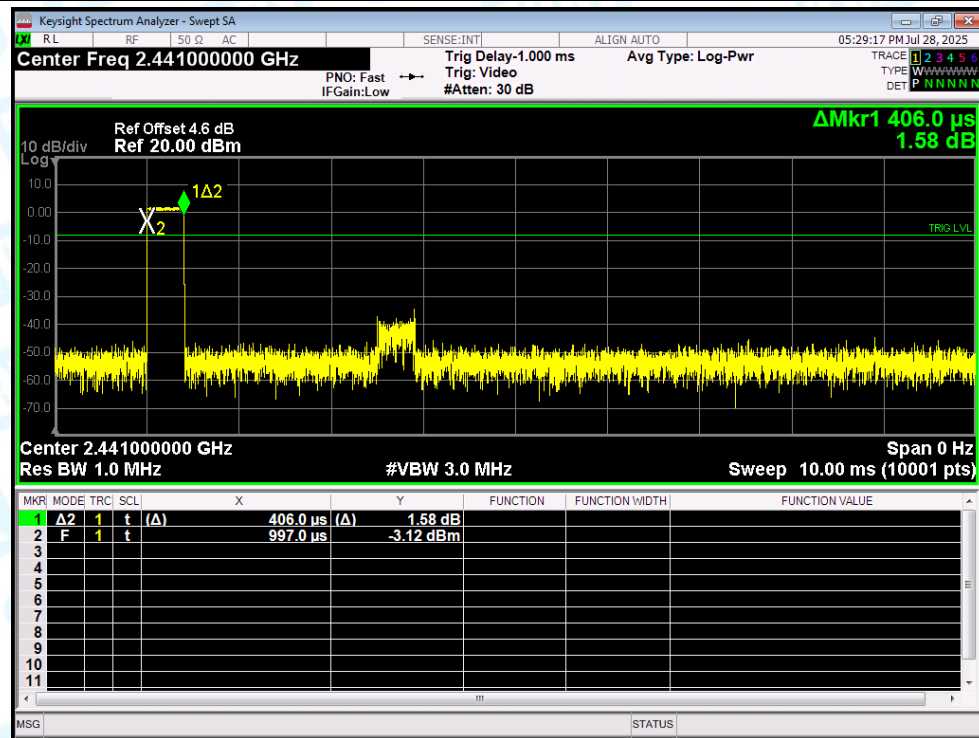


## 11. Dwell Time

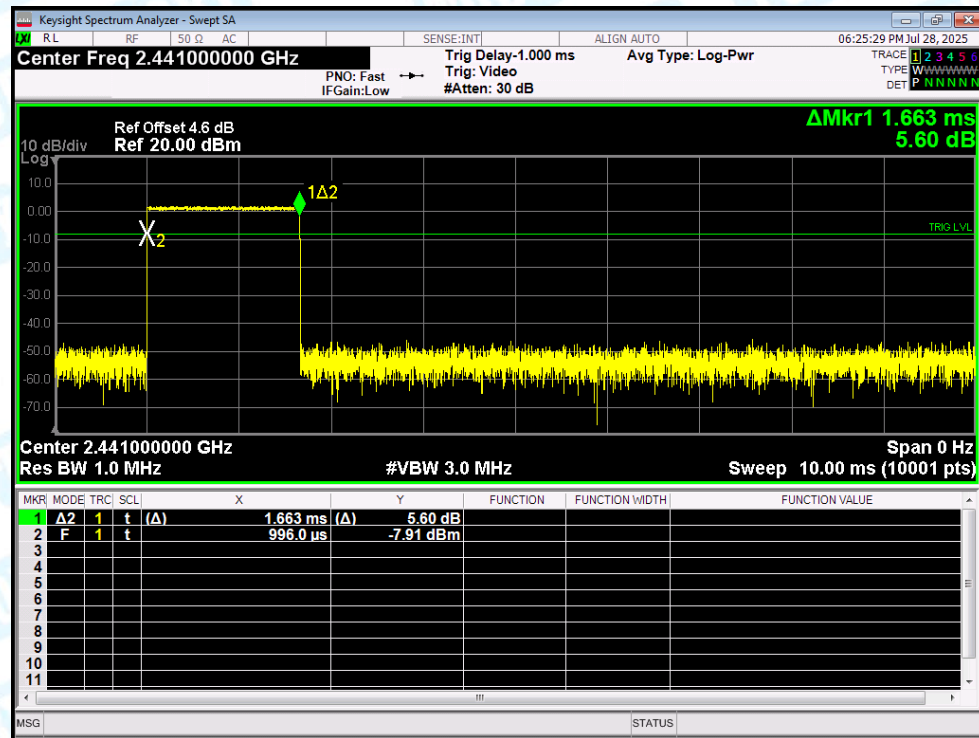
| Condition | Mode  | Frequency (MHz) | Antenna | Pulse Time (ms) | Total Dwell Time (ms) | Period Time (ms) | Limit (ms) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-----------------------|------------------|------------|---------|
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.406           | 129.92                | 31600            | 400        | Pass    |
| NVNT      | 1-DH3 | 2441            | Ant1    | 1.663           | 266.08                | 31600            | 400        | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 2.911           | 310.507               | 31600            | 400        | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 0.416           | 133.12                | 31600            | 400        | Pass    |
| NVNT      | 2-DH3 | 2441            | Ant1    | 1.668           | 266.88                | 31600            | 400        | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | 2.917           | 311.147               | 31600            | 400        | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 0.417           | 133.44                | 31600            | 400        | Pass    |
| NVNT      | 3-DH3 | 2441            | Ant1    | 1.666           | 266.56                | 31600            | 400        | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 2.918           | 311.253               | 31600            | 400        | Pass    |

### Test Graphs

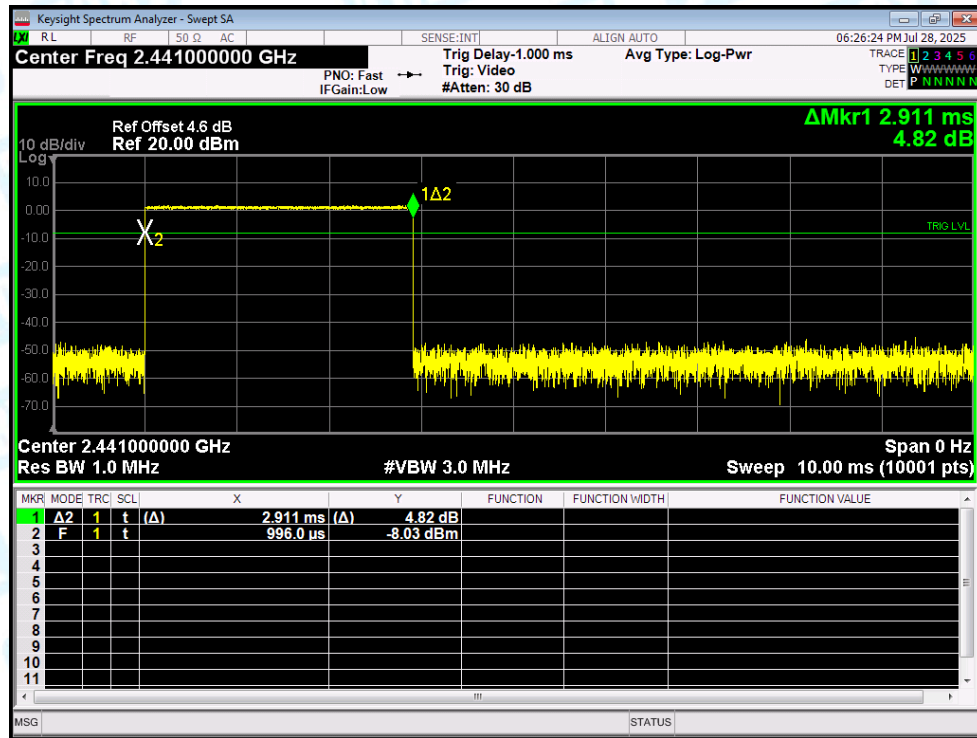
Dwell NVNT 1-DH1 2441MHz Ant1



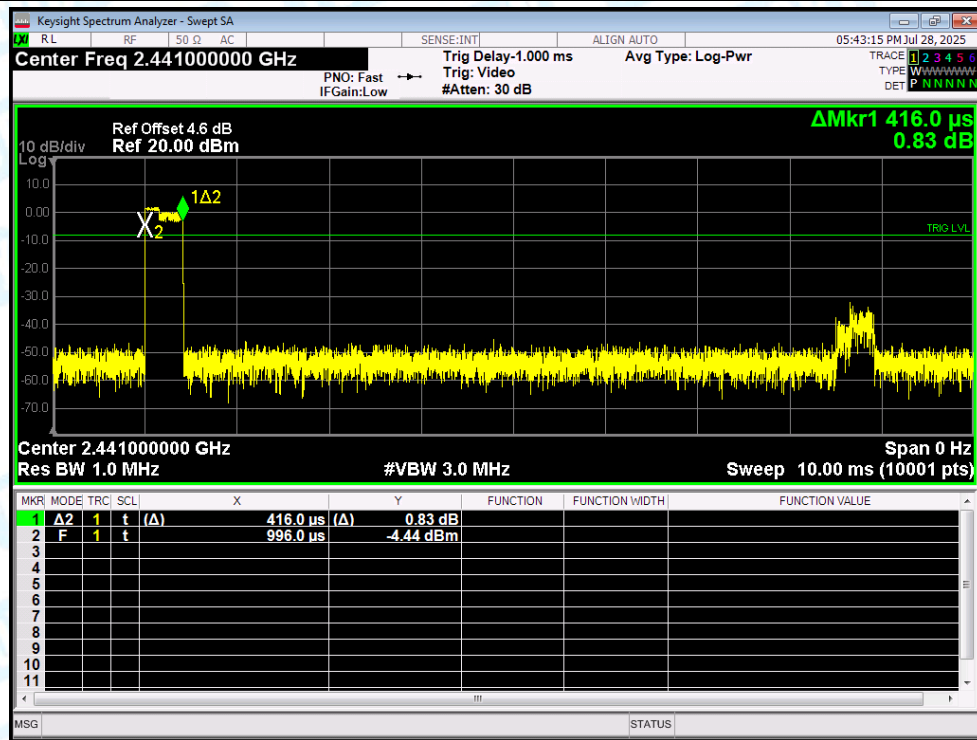
Dwell NVNT 1-DH3 2441MHz Ant1



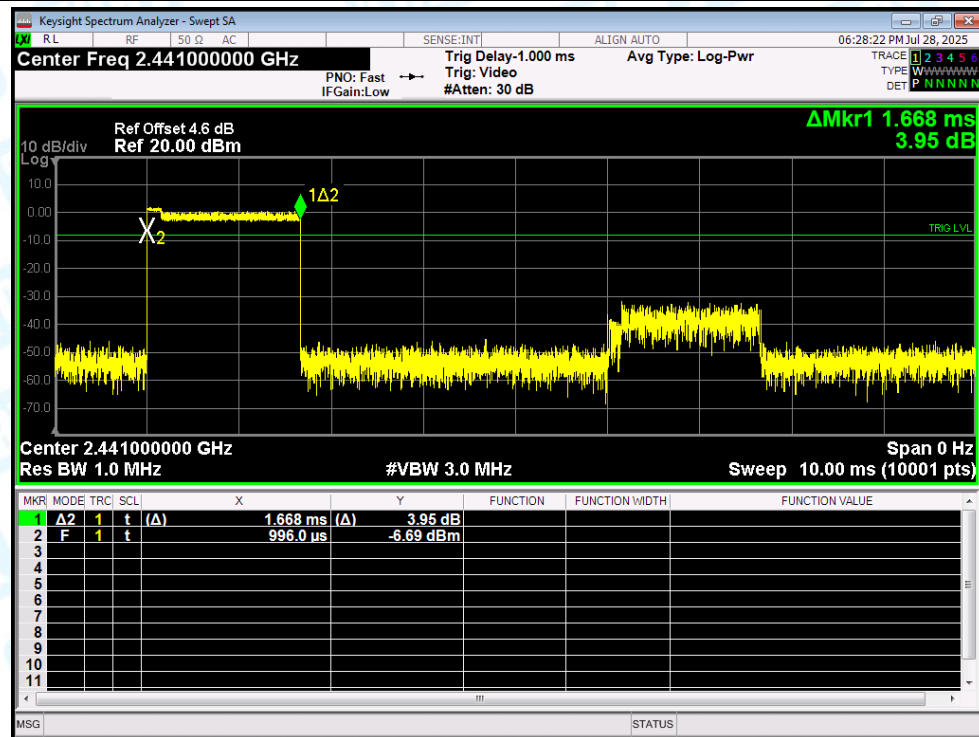
Dwell NVNT 1-DH5 2441MHz Ant1



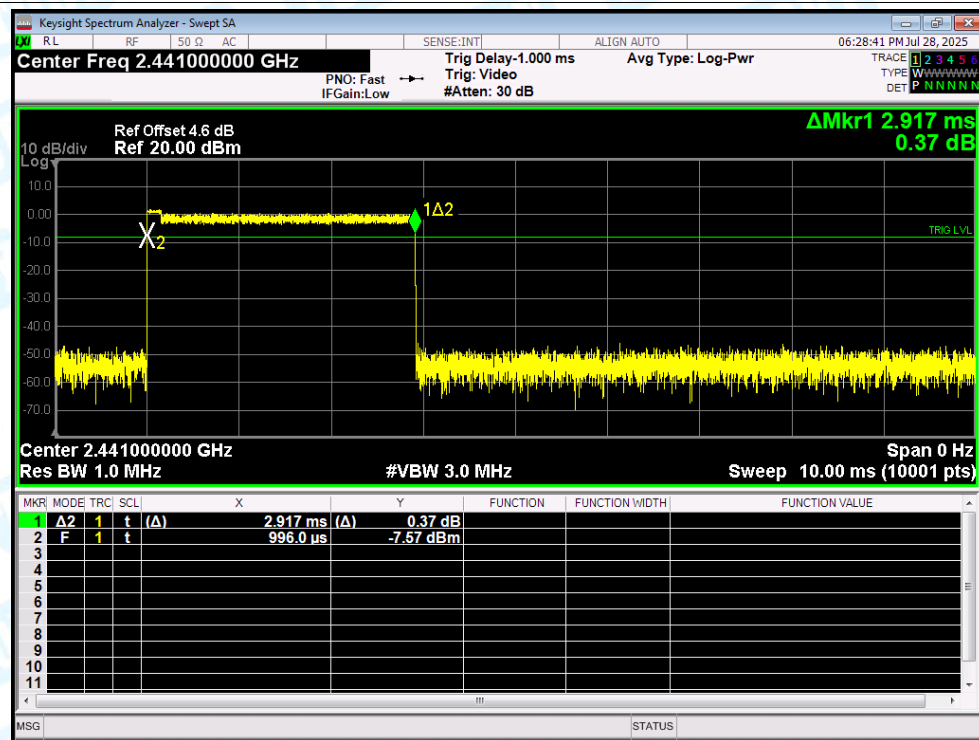
Dwell NVNT 2-DH1 2441MHz Ant1



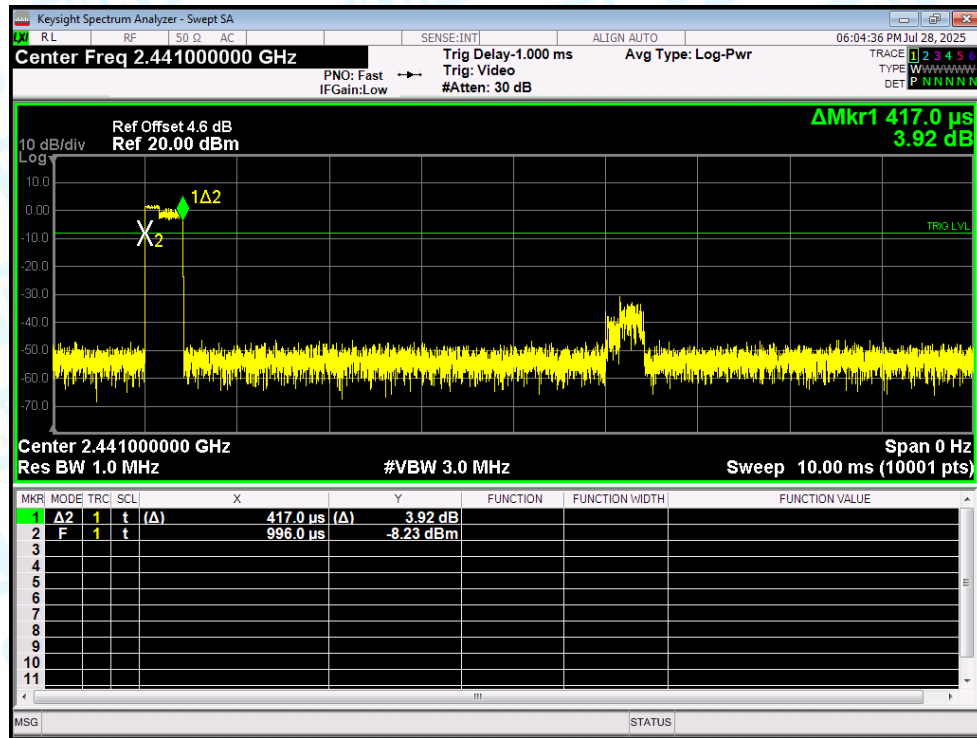
Dwell NVNT 2-DH3 2441MHz Ant1



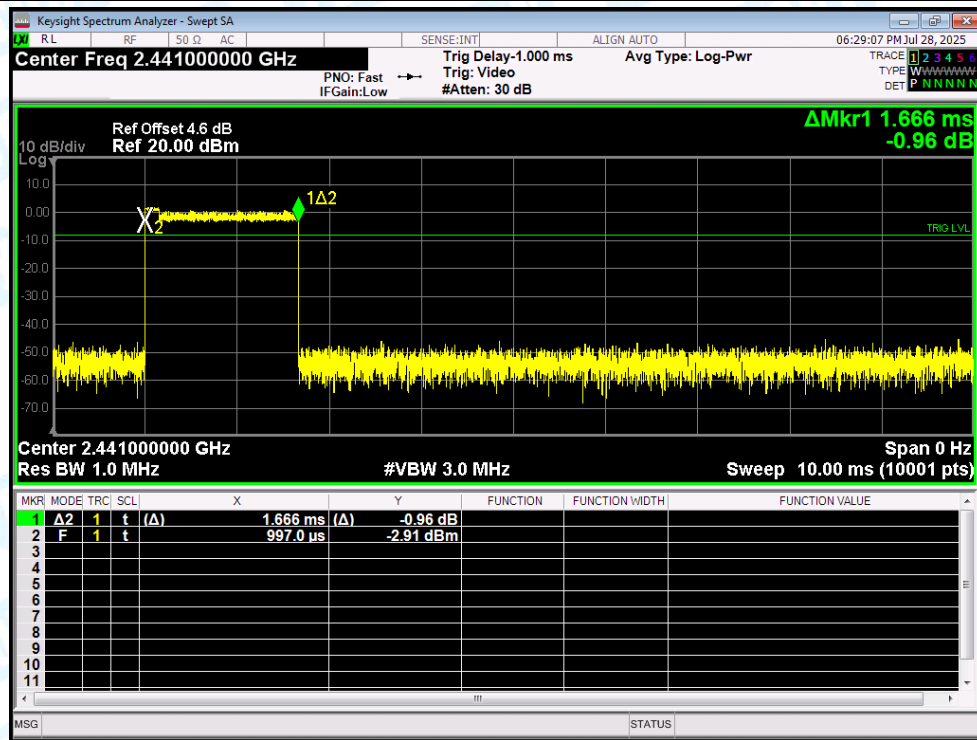
Dwell NVNT 2-DH5 2441MHz Ant1

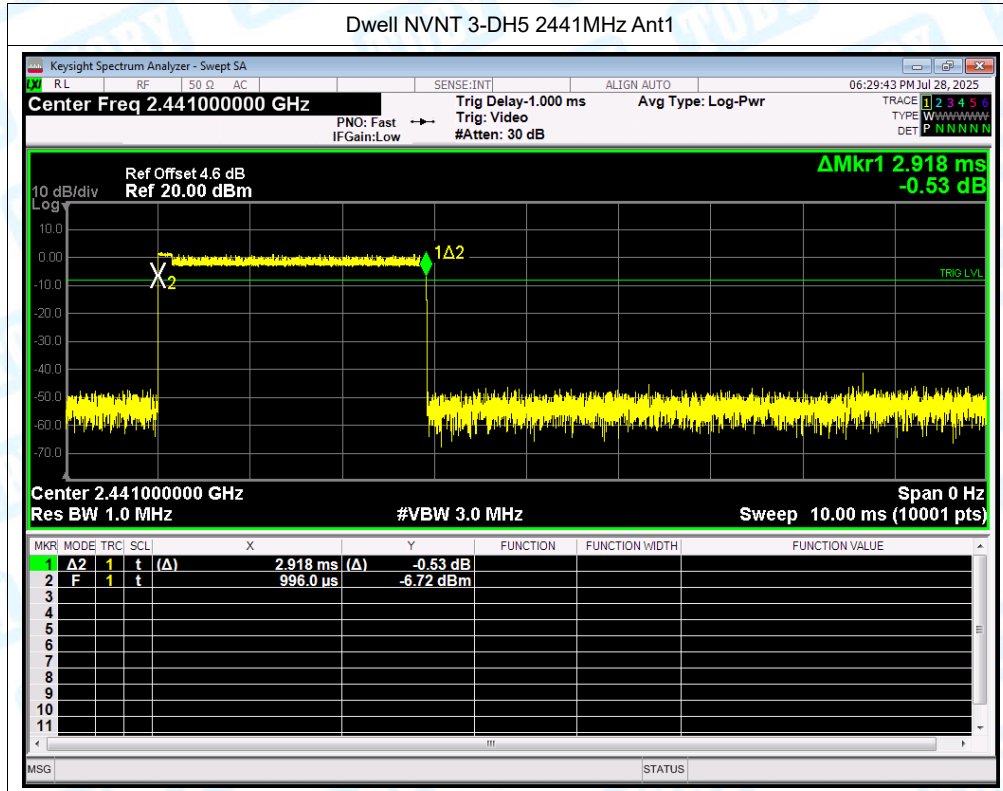


Dwell NVNT 3-DH1 2441MHz Ant1



Dwell NVNT 3-DH3 2441MHz Ant1





-----END OF THE REPORT-----