

## RF Test Data for Bluetooth (Conducted Measurements)

| General Description of EUT                                                                                                                   |                        |
|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Product Name:                                                                                                                                | Smart Watch            |
| Test Model:                                                                                                                                  | MD58                   |
| Sample ID:                                                                                                                                   | HC-C-202503-0086-01-01 |
| Environmental Conditions                                                                                                                     |                        |
| Temperature:                                                                                                                                 | 25.6℃                  |
| Relative Humidity:                                                                                                                           | 48.6%                  |
| Test Voltage:                                                                                                                                | DC 3.8V                |
| Test Engineer:                                                                                                                               | Lily zhang             |
| Note: For a more detailed features description, please refer to the report TBR-C-202503-0086-15<br>The report only show the worst case data. |                        |

## Contents

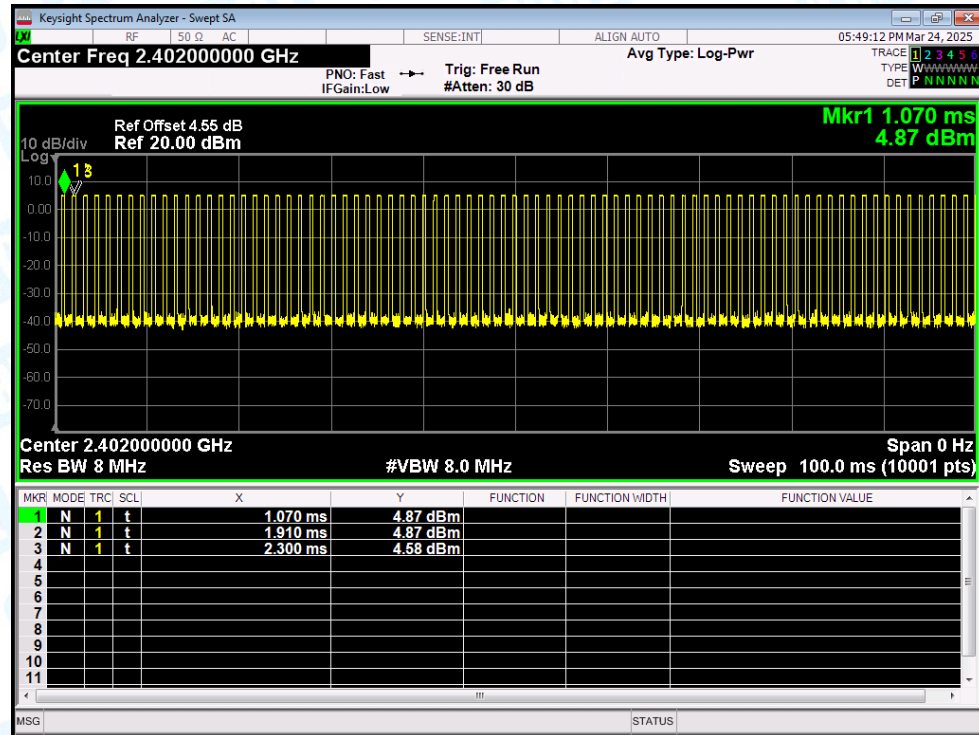
|     |                                      |    |
|-----|--------------------------------------|----|
| 1.  | Duty Cycle .....                     | 3  |
| 2.  | Maximum Conducted Output Power ..... | 9  |
| 3.  | -20dB Bandwidth .....                | 15 |
| 4.  | Occupied Channel Bandwidth .....     | 21 |
| 5.  | Band Edge .....                      | 27 |
| 6.  | Band Edge(Hopping) .....             | 34 |
| 7.  | Conducted RF Spurious Emission ..... | 41 |
| 8.  | Restrict Band .....                  | 51 |
| 9.  | Carrier Frequencies Separation ..... | 58 |
| 10. | Number of Hopping Channel .....      | 61 |
| 11. | Dwell Time .....                     | 64 |

## 1. Duty Cycle

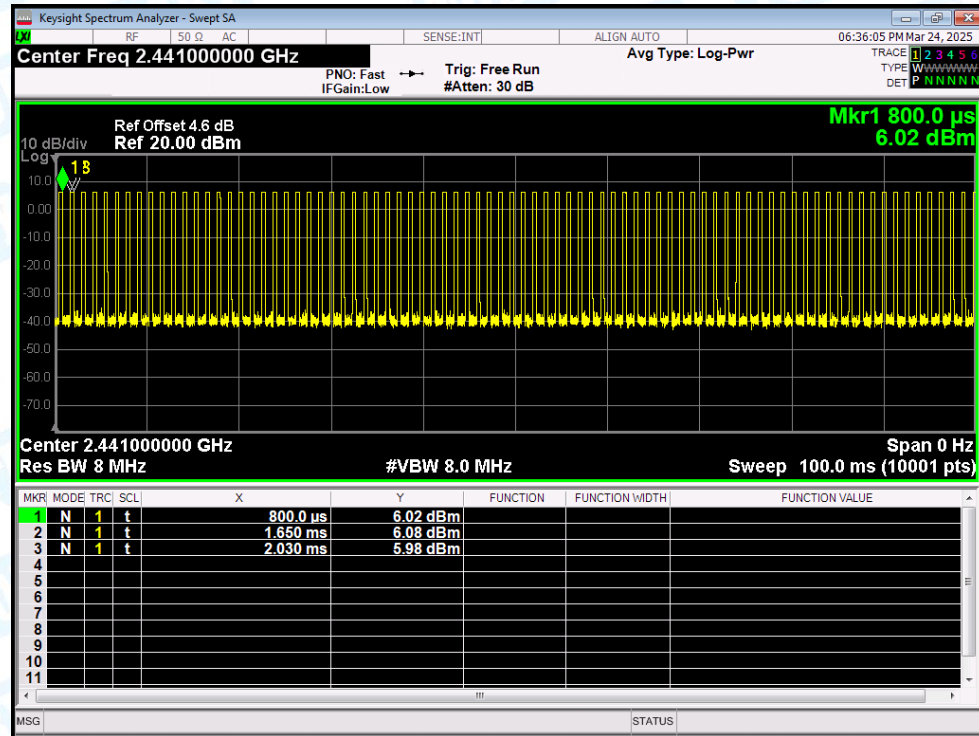
| Condition | Mode  | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|-------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 31.71          | 4.99                   | 2.56      |
| NVNT      | 1-DH1 | 2441            | Ant1    | 30.89          | 5.1                    | 2.63      |
| NVNT      | 1-DH1 | 2480            | Ant1    | 31.71          | 4.99                   | 2.56      |
| NVNT      | 2-DH1 | 2402            | Ant1    | 32.26          | 4.91                   | 2.5       |
| NVNT      | 2-DH1 | 2441            | Ant1    | 31.45          | 5.02                   | 2.56      |
| NVNT      | 2-DH1 | 2480            | Ant1    | 31.71          | 4.99                   | 2.56      |
| NVNT      | 3-DH1 | 2402            | Ant1    | 31.71          | 4.99                   | 2.56      |
| NVNT      | 3-DH1 | 2441            | Ant1    | 31.45          | 5.02                   | 2.56      |
| NVNT      | 3-DH1 | 2480            | Ant1    | 31.45          | 5.02                   | 2.56      |

### Test Graphs

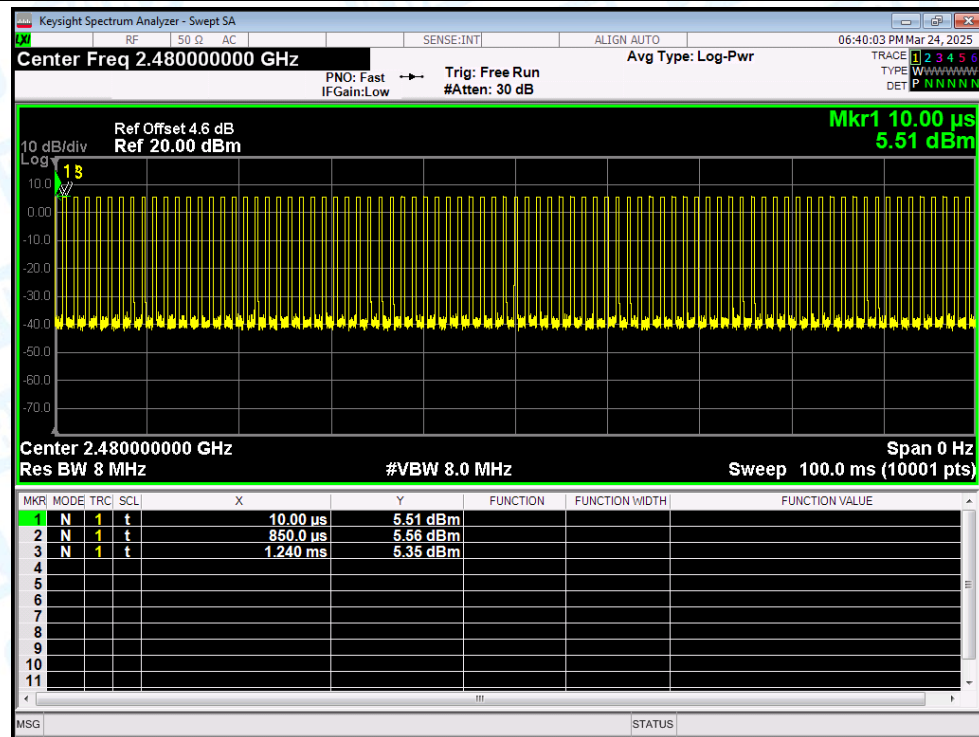
#### Duty Cycle NVNT 1-DH1 2402MHz Ant1



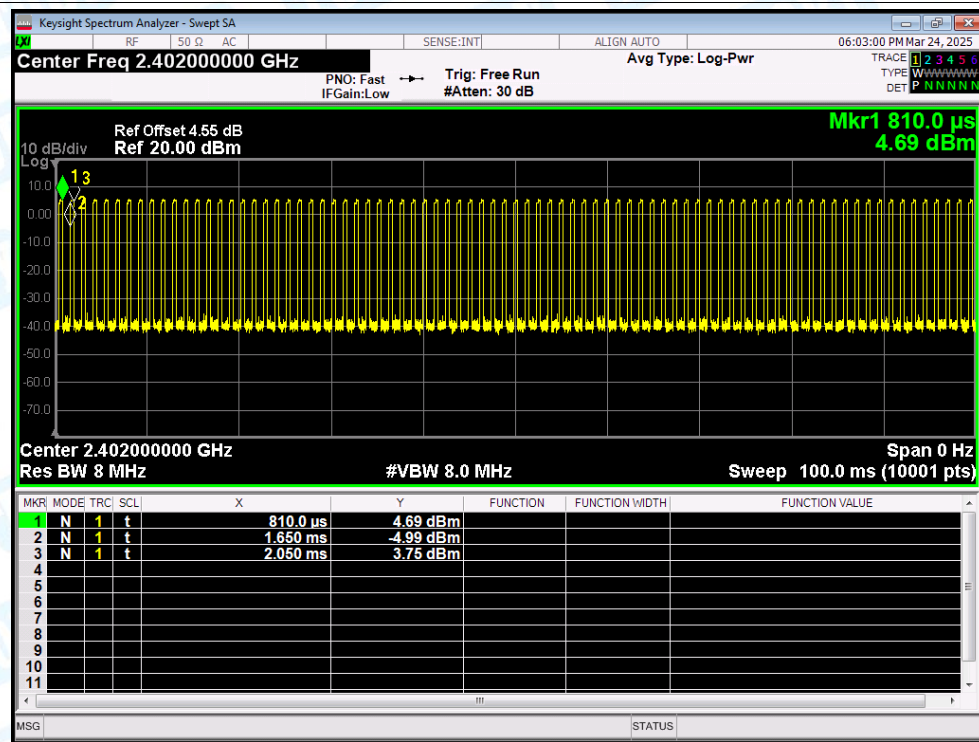
#### Duty Cycle NVNT 1-DH1 2441MHz Ant1



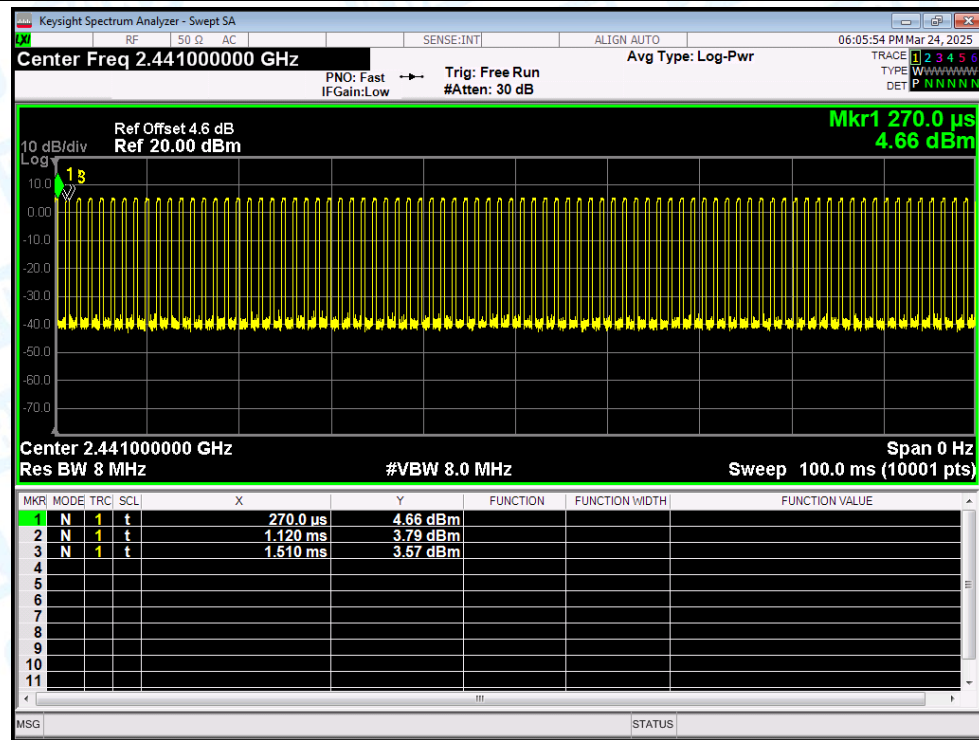
### Duty Cycle NVNT 1-DH1 2480MHz Ant1



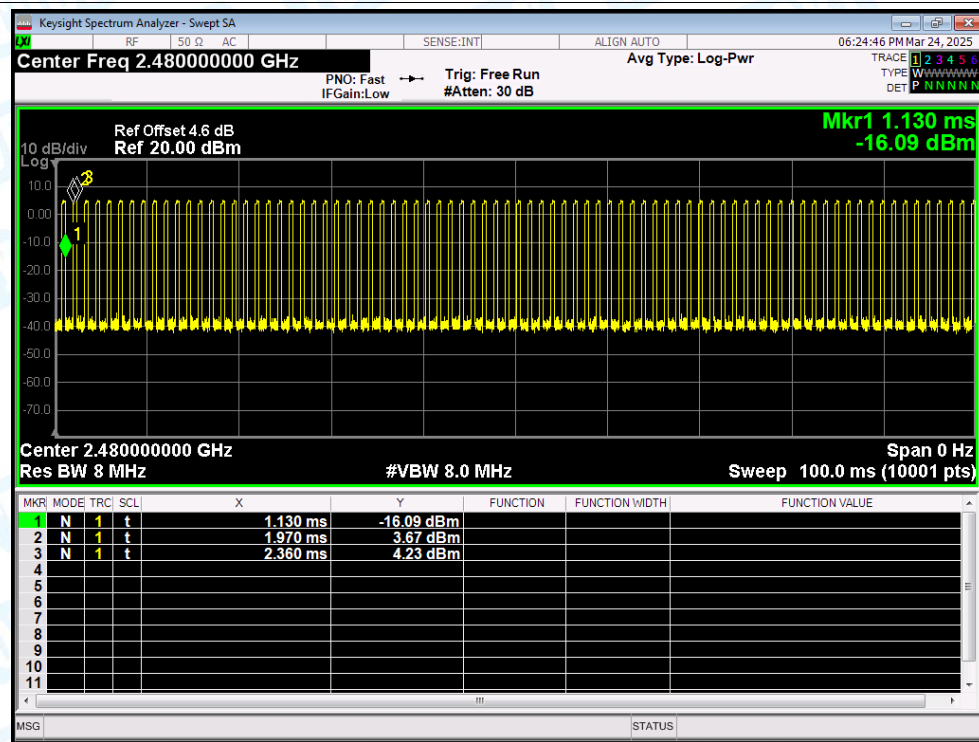
### Duty Cycle NVNT 2-DH1 2402MHz Ant1



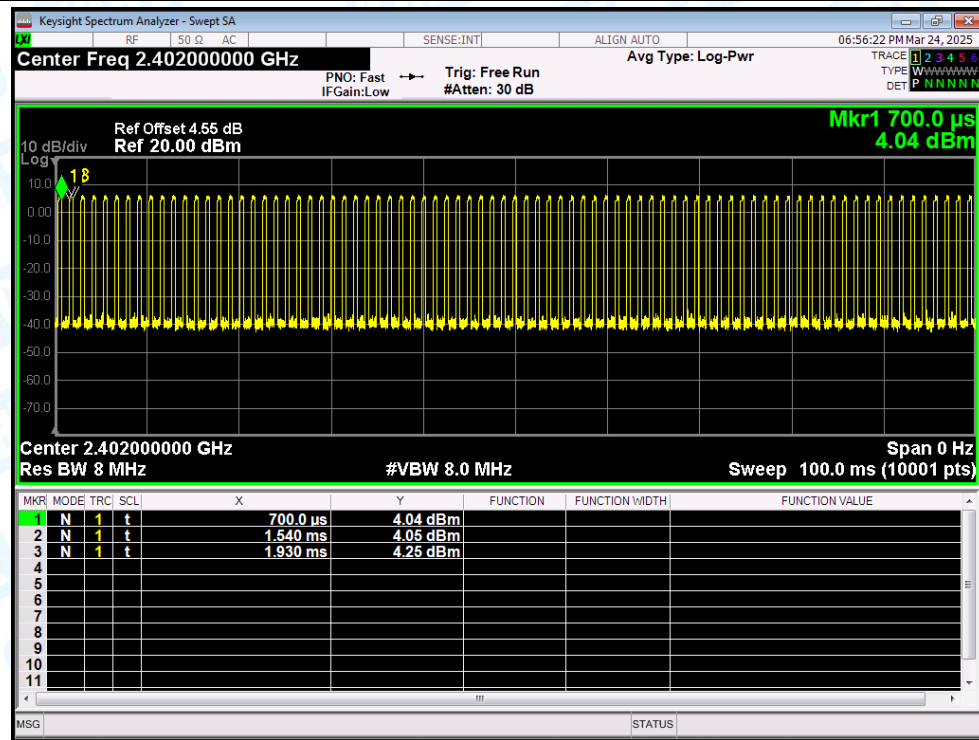
### Duty Cycle NVNT 2-DH1 2441MHz Ant1



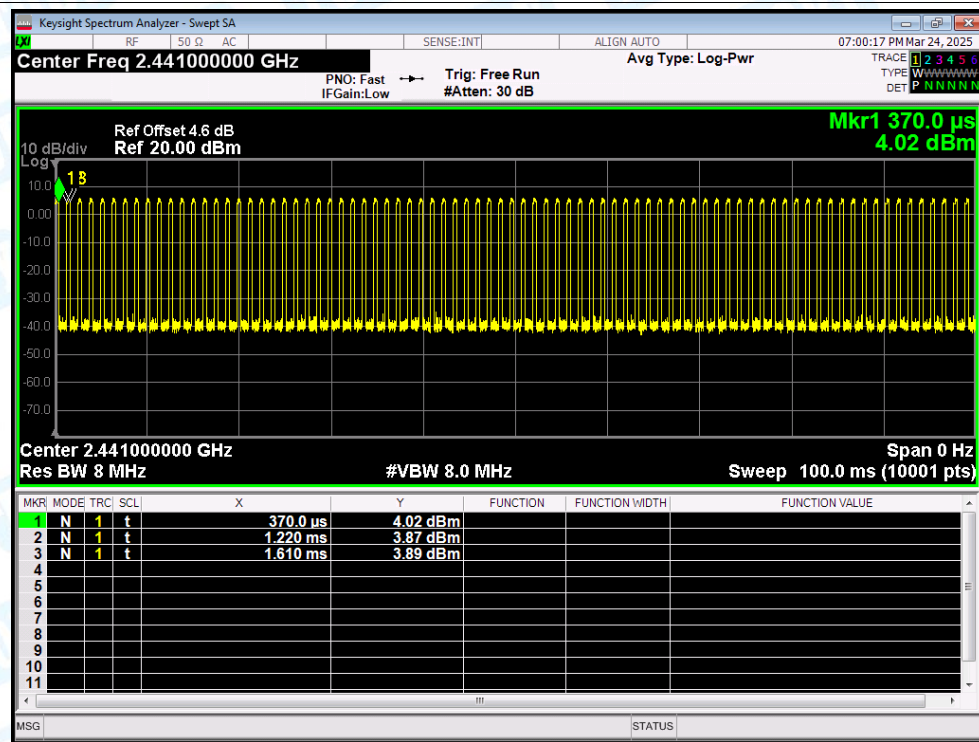
### Duty Cycle NVNT 2-DH1 2480MHz Ant1

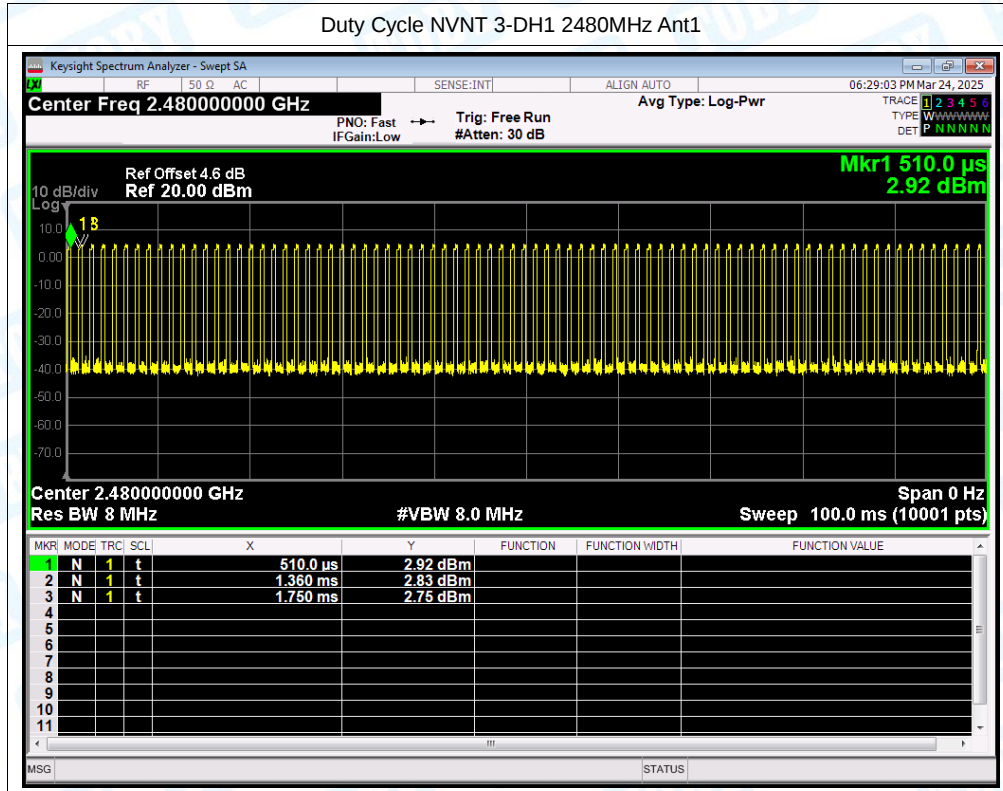


### Duty Cycle NVNT 3-DH1 2402MHz Ant1



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



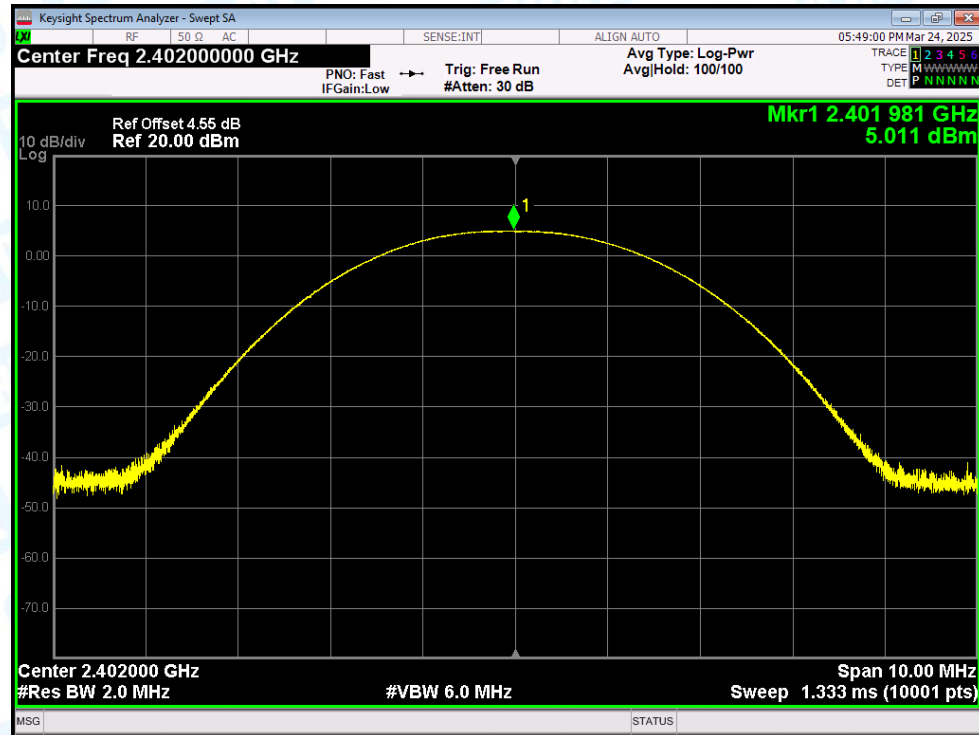


## 2. Maximum Conducted Output Power

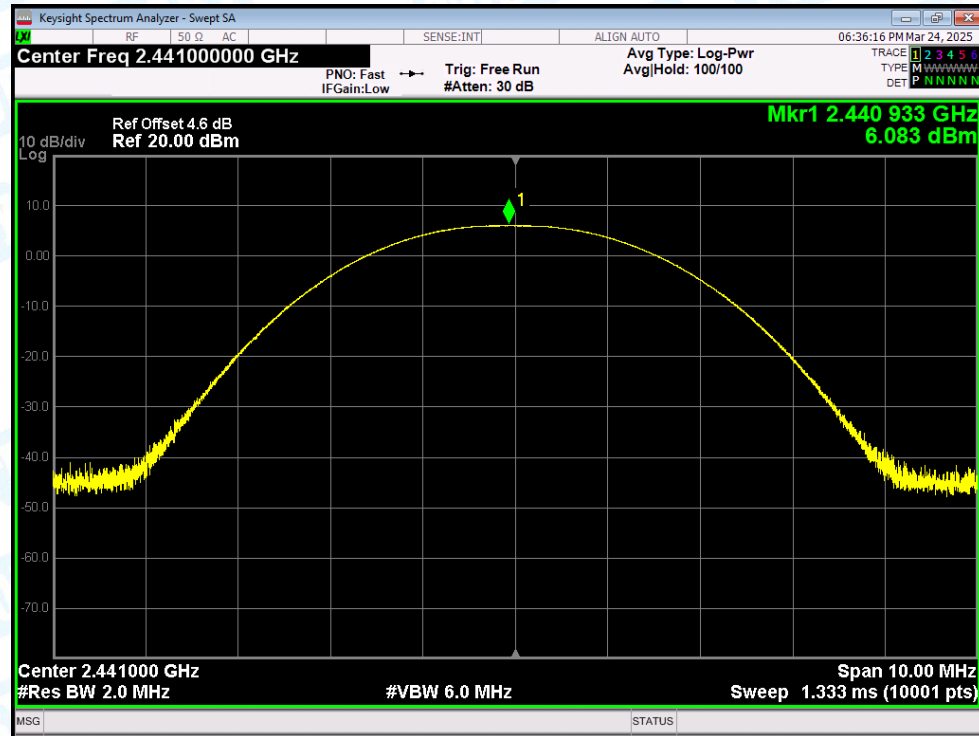
| Condition | Mode  | Frequency (MHz) | Antenna | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|-------|-----------------|---------|-------------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 5.011             | 21          | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | 6.083             | 21          | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | 5.595             | 21          | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | 5.206             | 21          | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 5.051             | 21          | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | 4.929             | 21          | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | 5.864             | 21          | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 5.665             | 21          | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | 4.638             | 21          | Pass    |

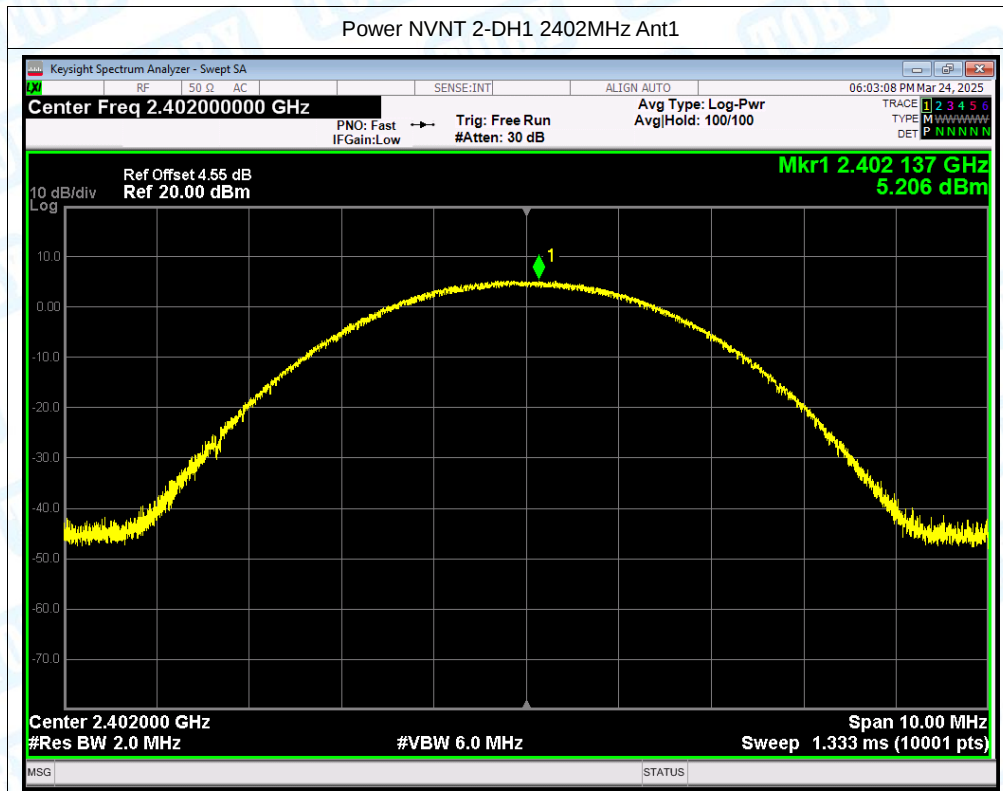
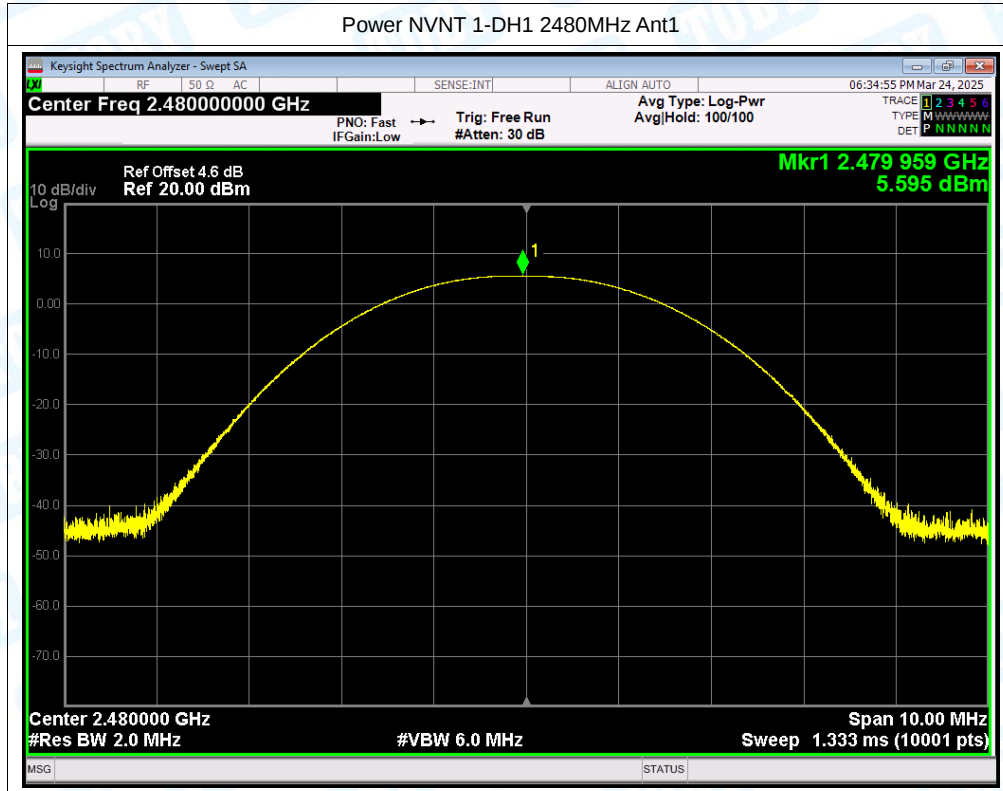
### Test Graphs

Power NVNT 1-DH1 2402MHz Ant1

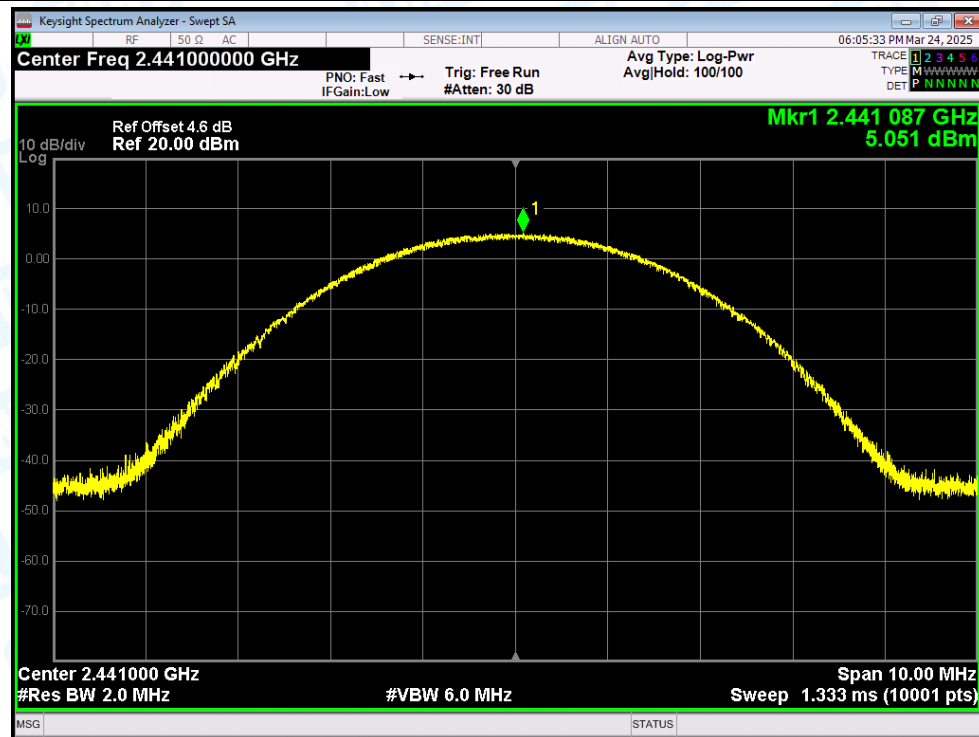


Power NVNT 1-DH1 2441MHz Ant1

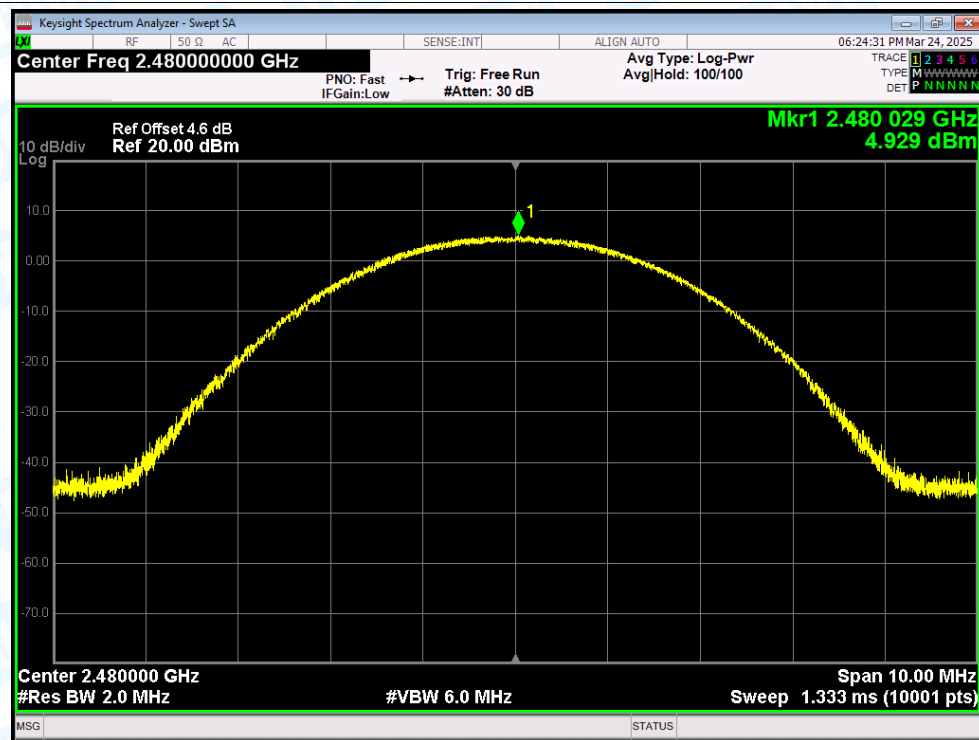




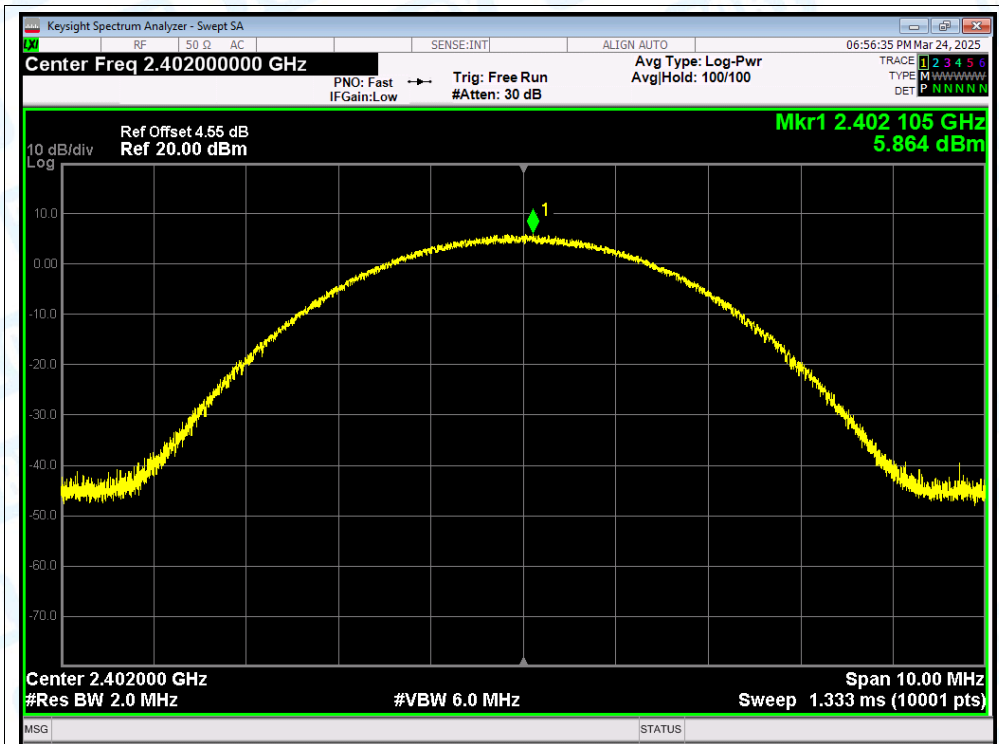
Power NVNT 2-DH1 2441MHz Ant1



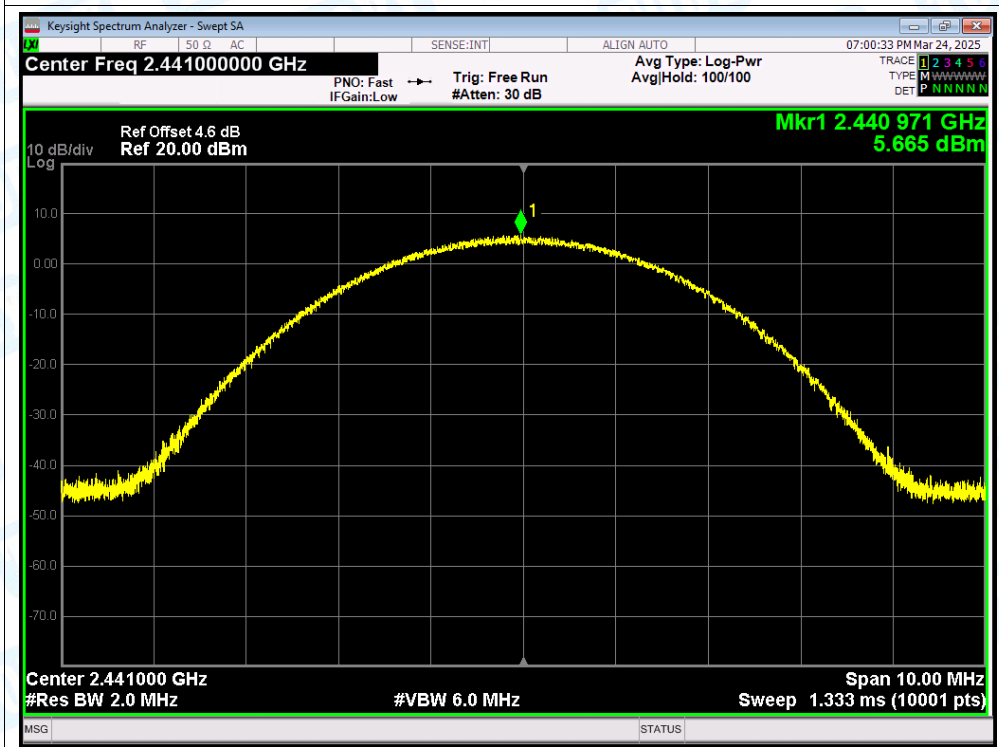
Power NVNT 2-DH1 2480MHz Ant1

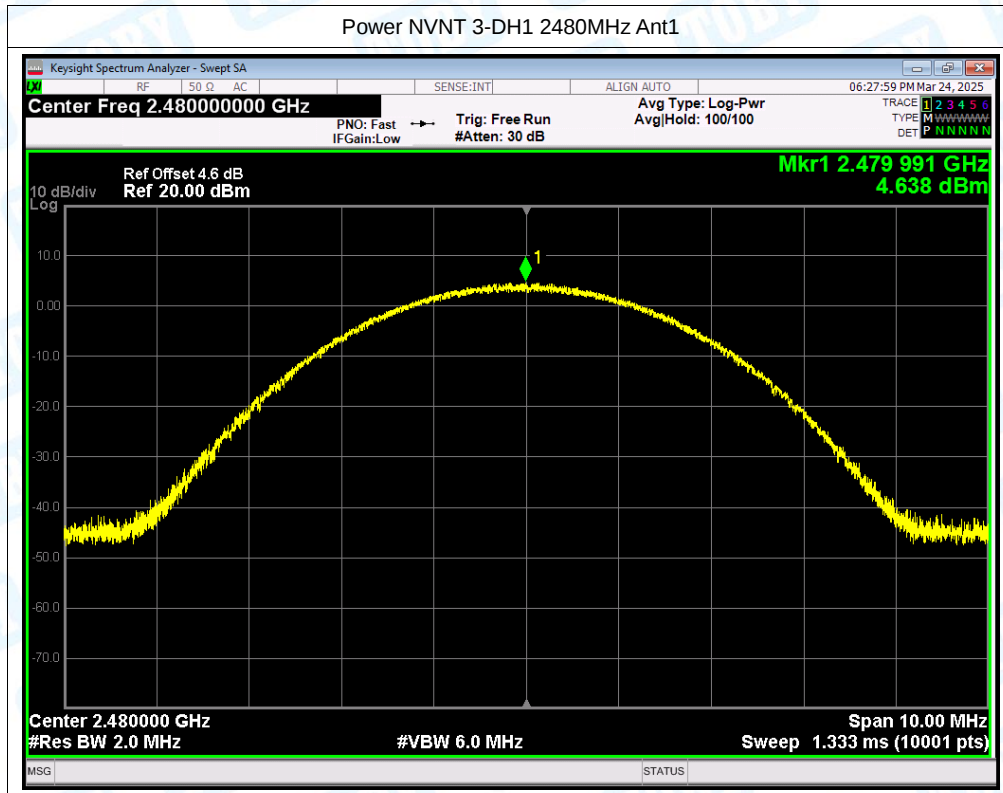


Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1



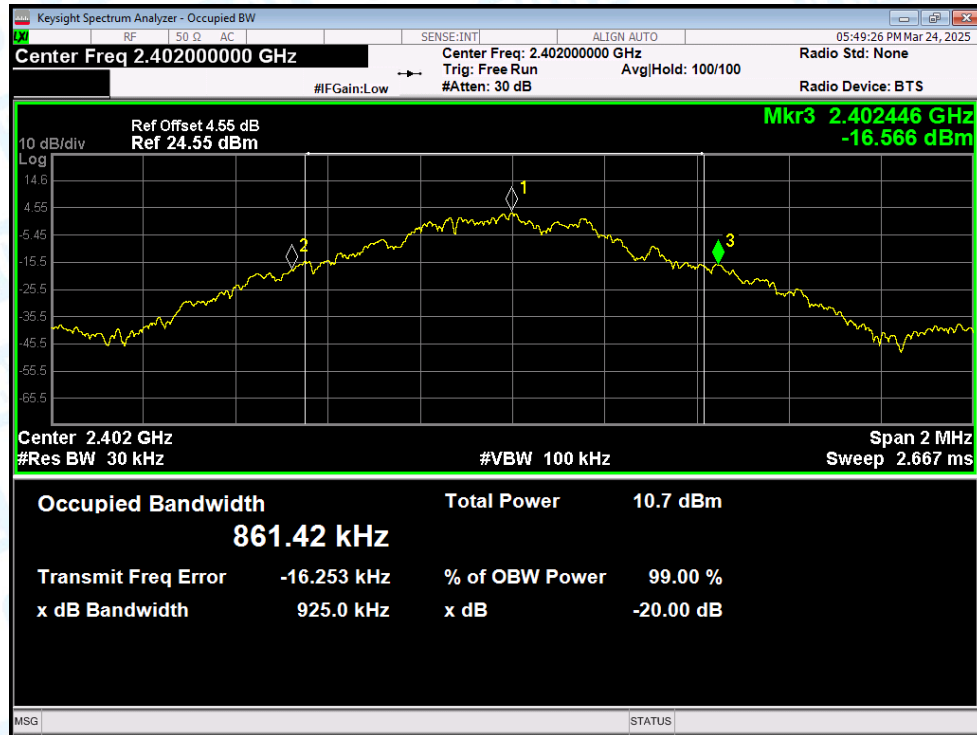


### 3. -20dB Bandwidth

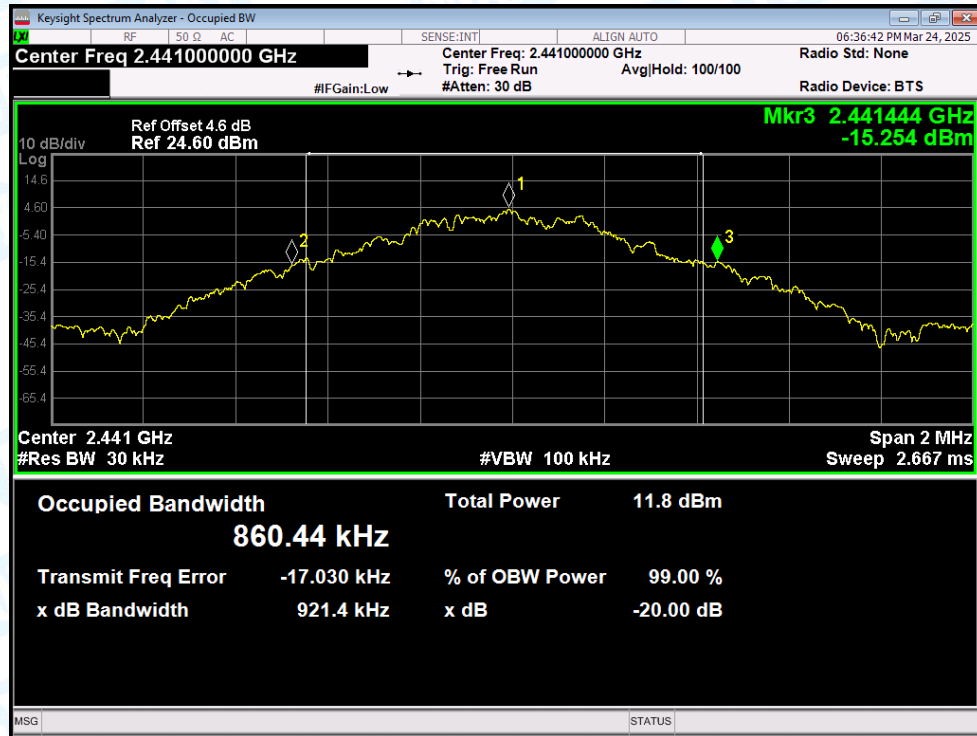
| Condition | Mode  | Frequency (MHz) | Antenna | -20 dB Bandwidth (MHz) | Limit -20 dB Bandwidth (MHz) | Verdict |
|-----------|-------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 0.92                   | 0                            | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.92                   | 0                            | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | 0.92                   | 0                            | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | 1.25                   | 0                            | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 1.24                   | 0                            | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | 1.25                   | 0                            | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | 1.21                   | 0                            | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 1.21                   | 0                            | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | 1.2                    | 0                            | Pass    |

# Test Graphs

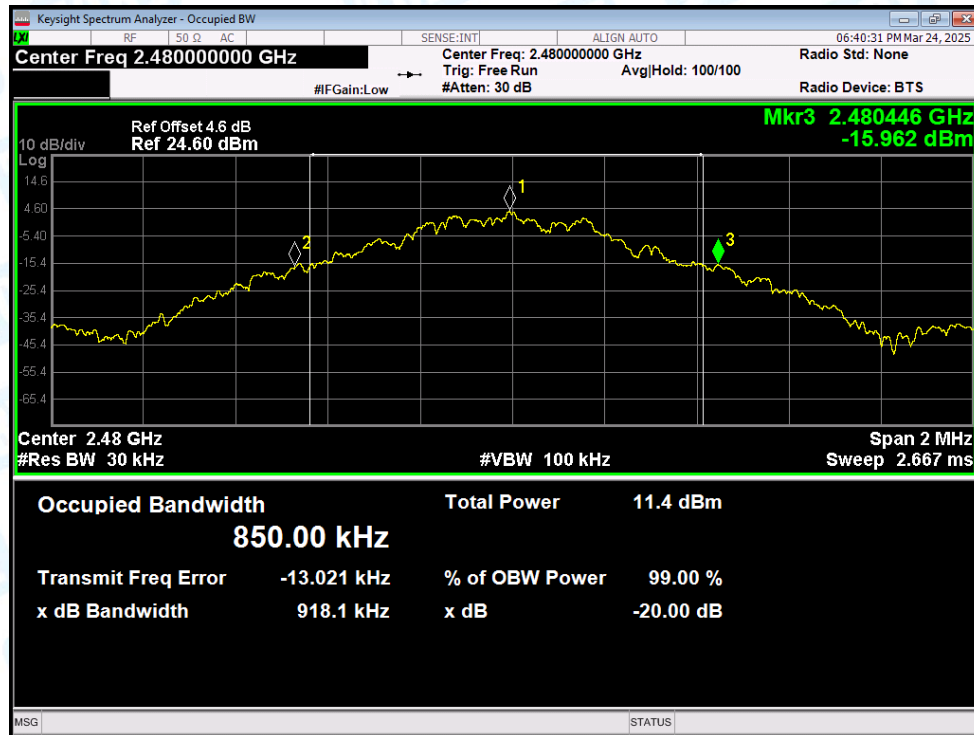
## -20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



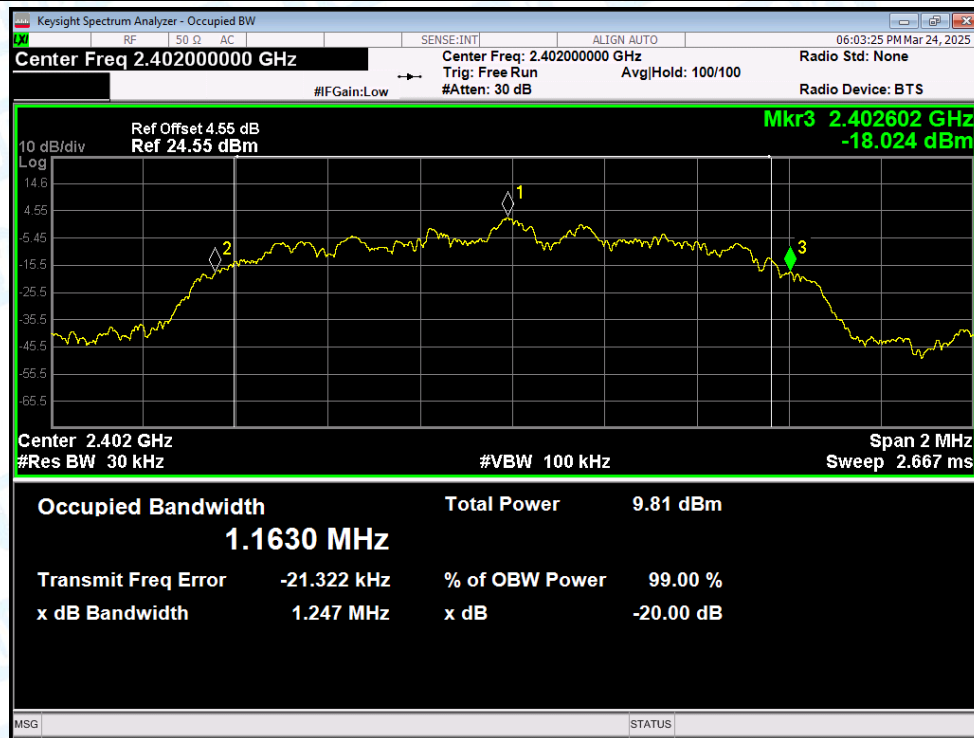
## -20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



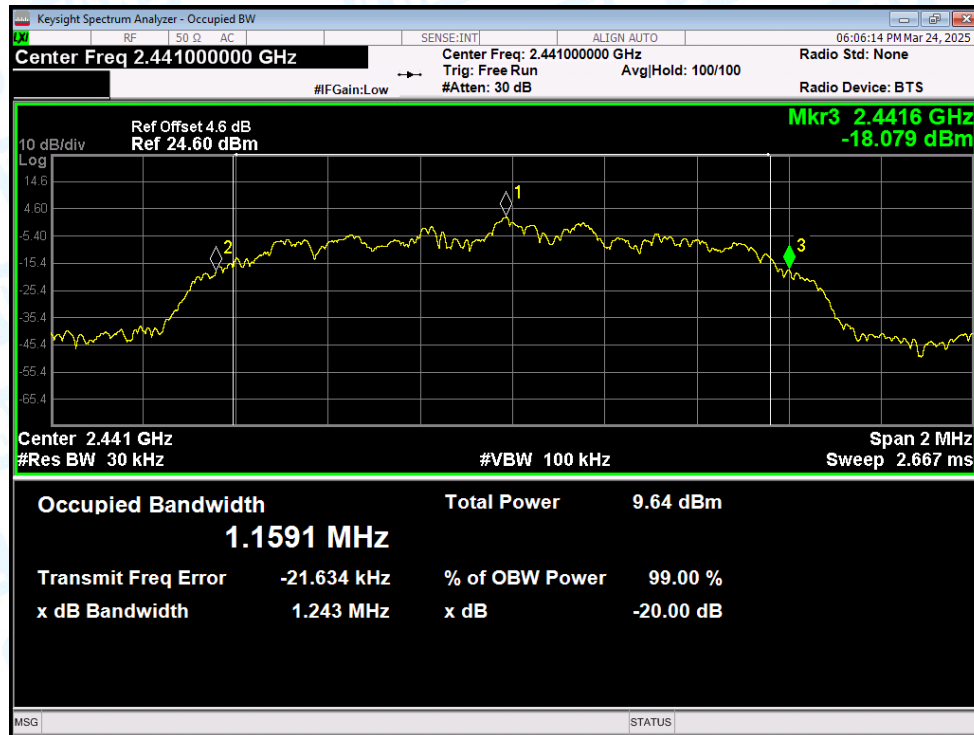
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



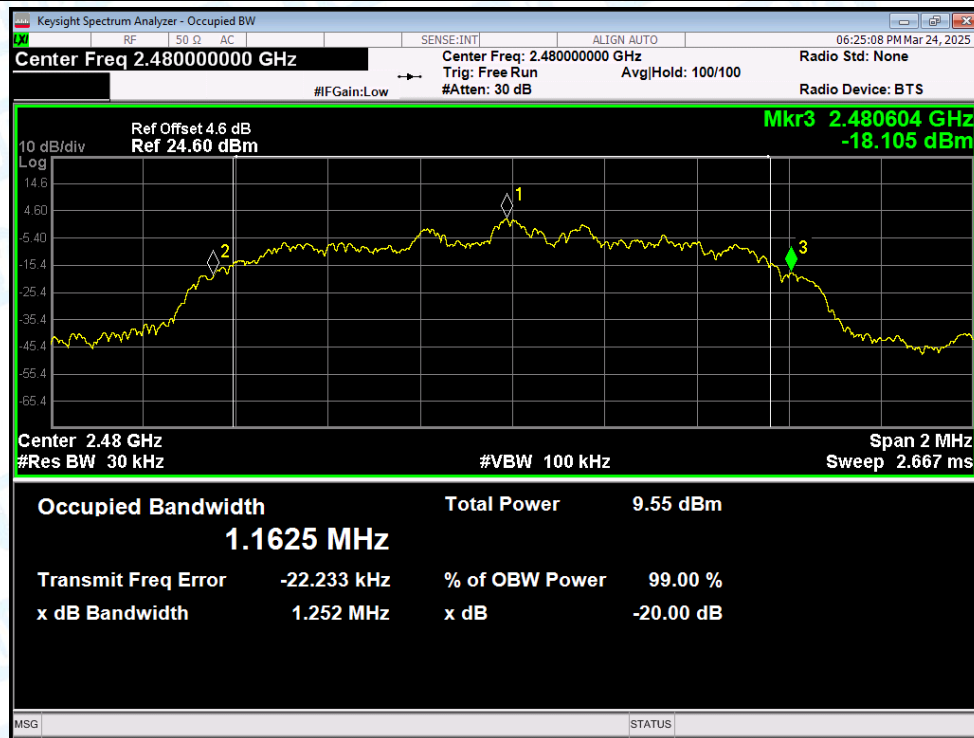
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



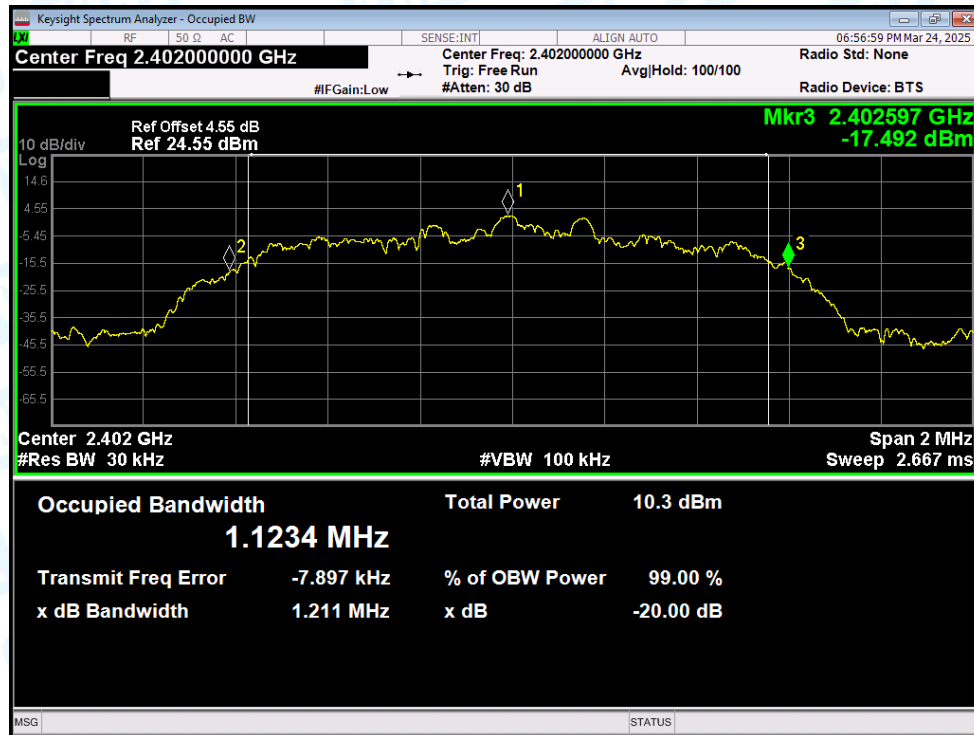
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



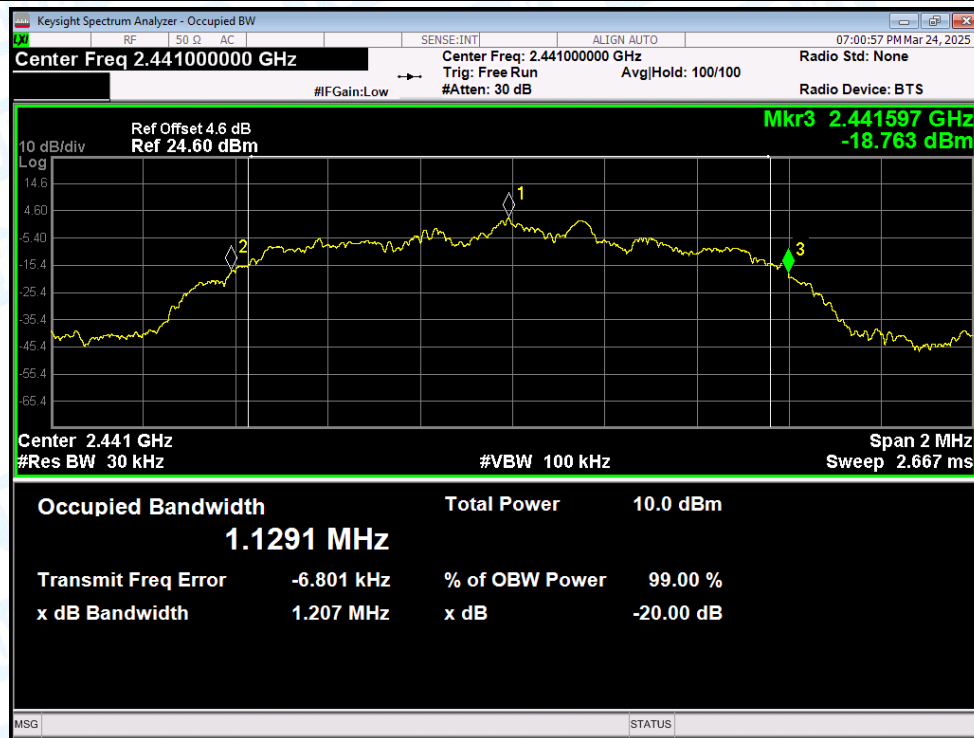
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

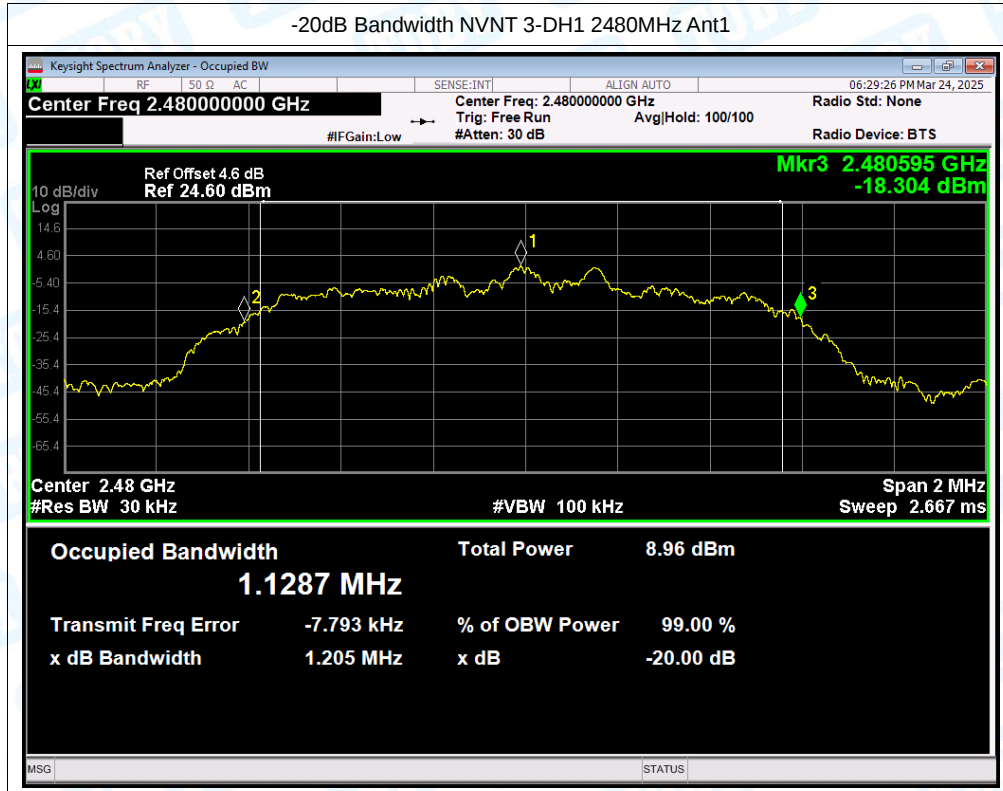


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



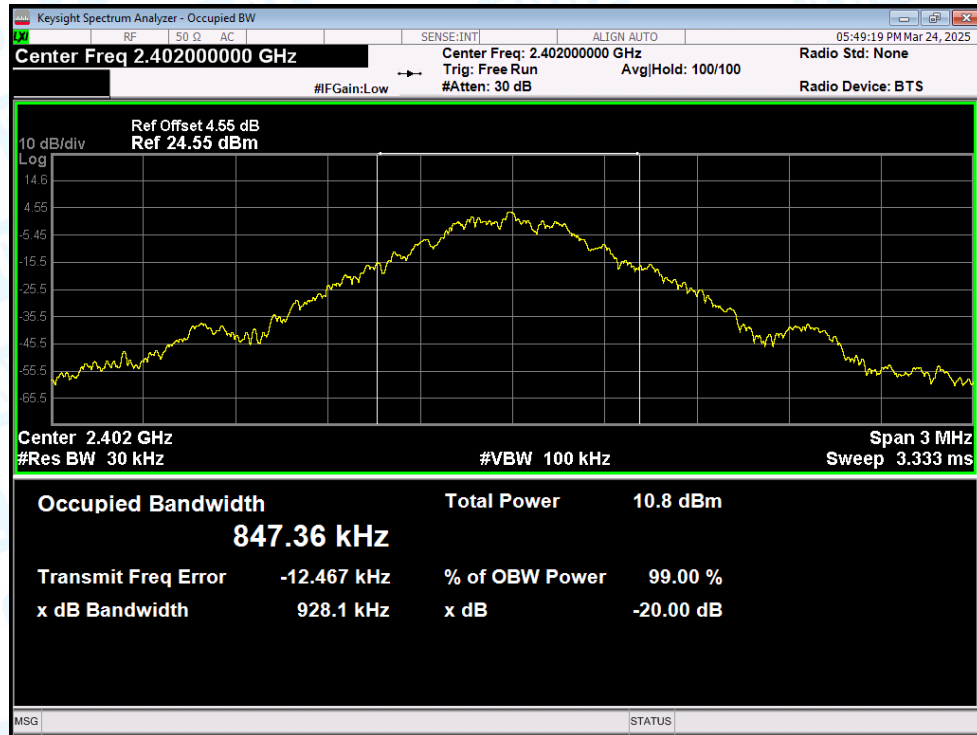


## 4. Occupied Channel Bandwidth

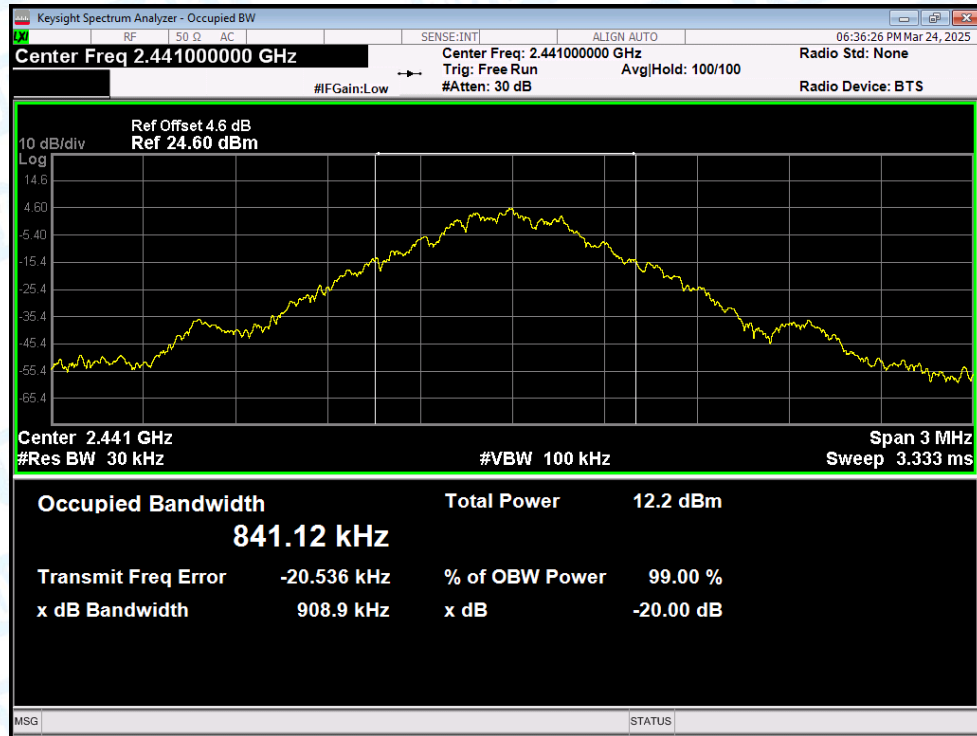
| Condition | Mode  | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|-------|-----------------|---------|---------------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 0.847         |
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.841         |
| NVNT      | 1-DH1 | 2480            | Ant1    | 0.855         |
| NVNT      | 2-DH1 | 2402            | Ant1    | 1.156         |
| NVNT      | 2-DH1 | 2441            | Ant1    | 1.161         |
| NVNT      | 2-DH1 | 2480            | Ant1    | 1.162         |
| NVNT      | 3-DH1 | 2402            | Ant1    | 1.131         |
| NVNT      | 3-DH1 | 2441            | Ant1    | 1.142         |
| NVNT      | 3-DH1 | 2480            | Ant1    | 1.143         |

### Test Graphs

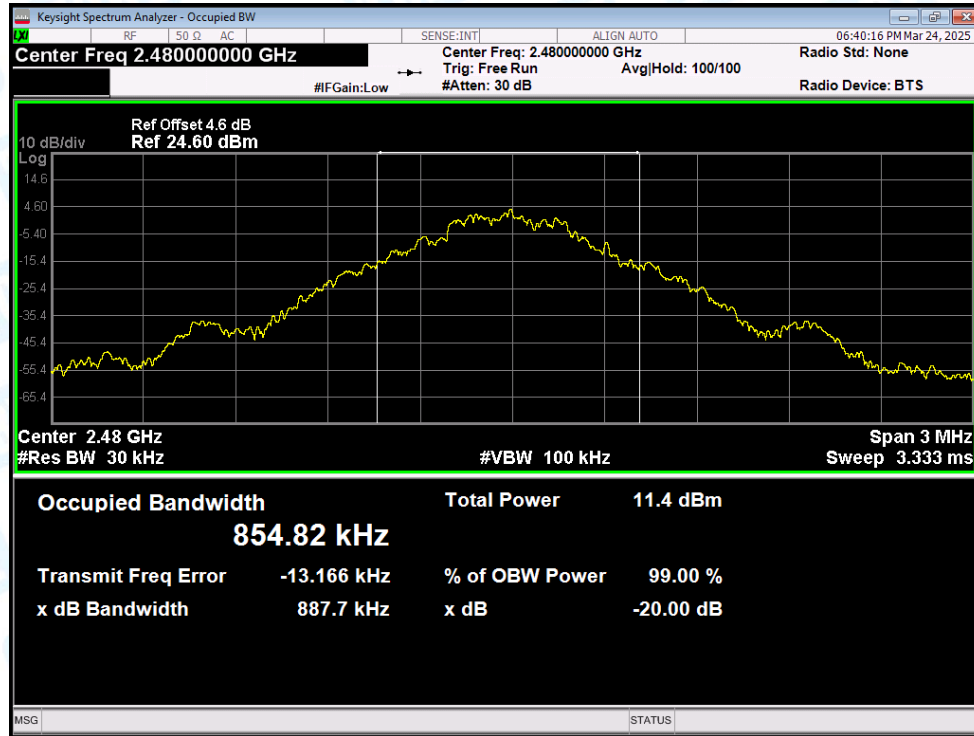
#### OBW NVNT 1-DH1 2402MHz Ant1



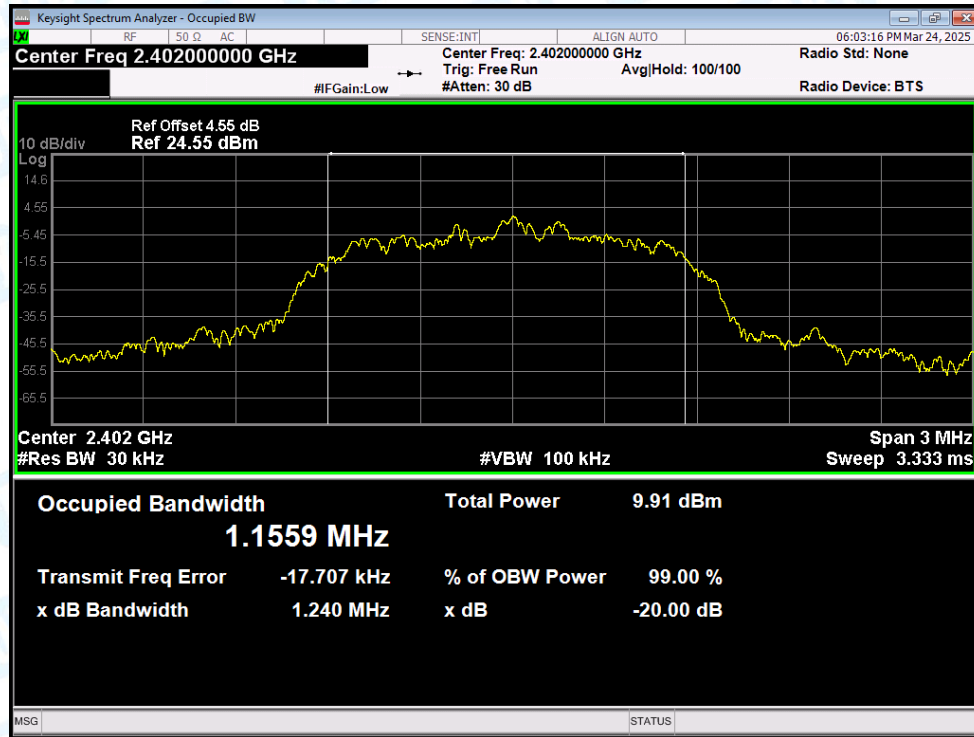
#### OBW NVNT 1-DH1 2441MHz Ant1



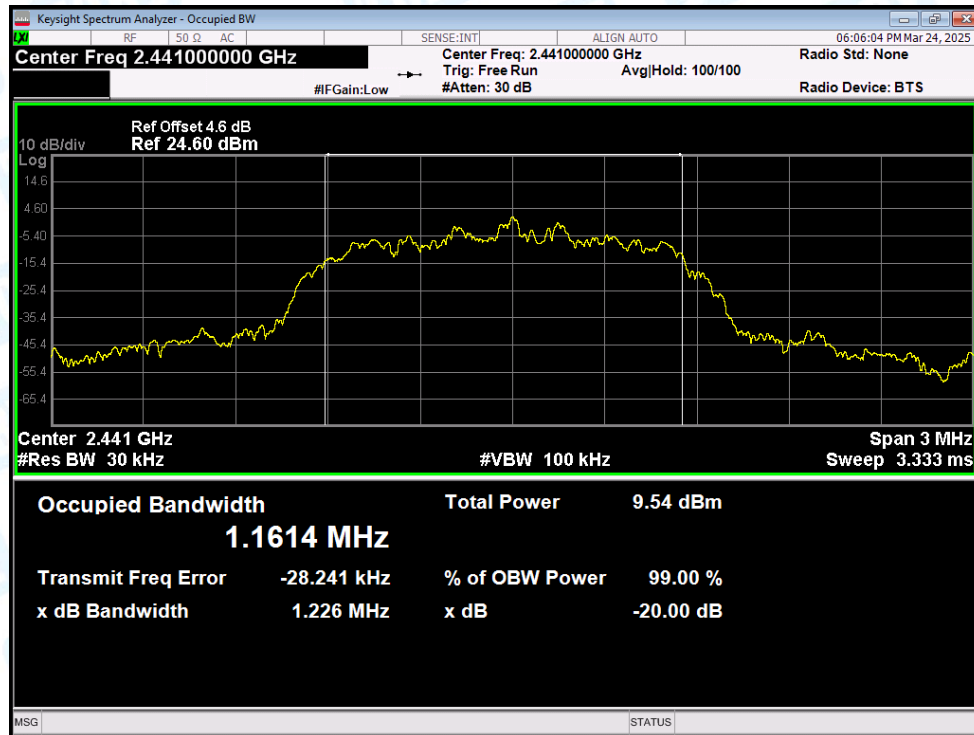
OBW NVNT 1-DH1 2480MHz Ant1



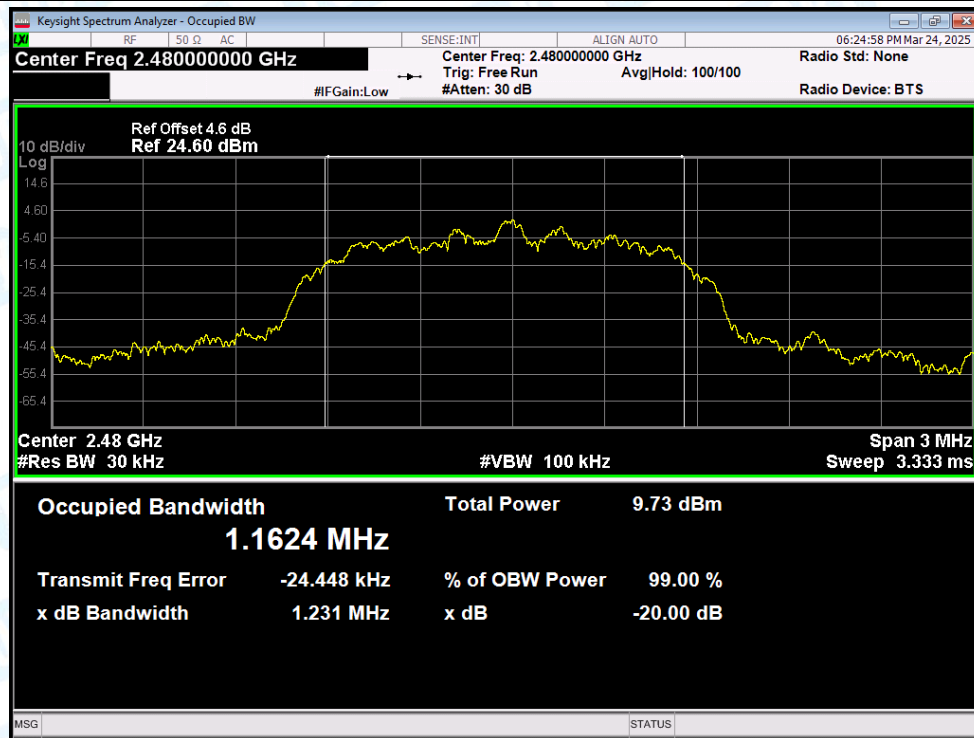
OBW NVNT 2-DH1 2402MHz Ant1



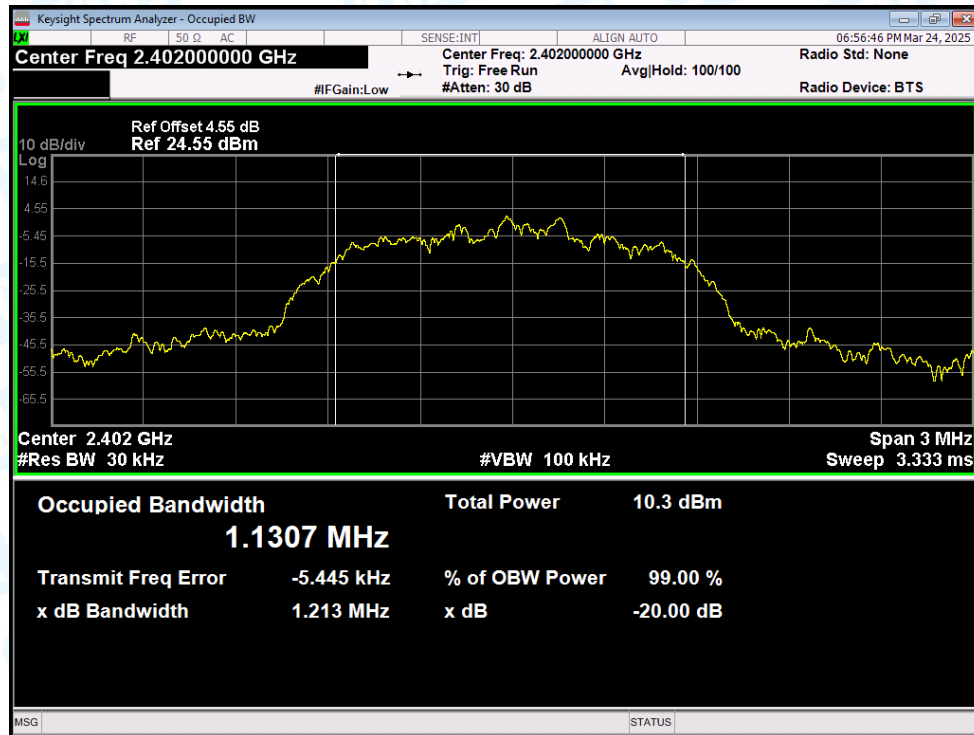
OBW NVNT 2-DH1 2441MHz Ant1



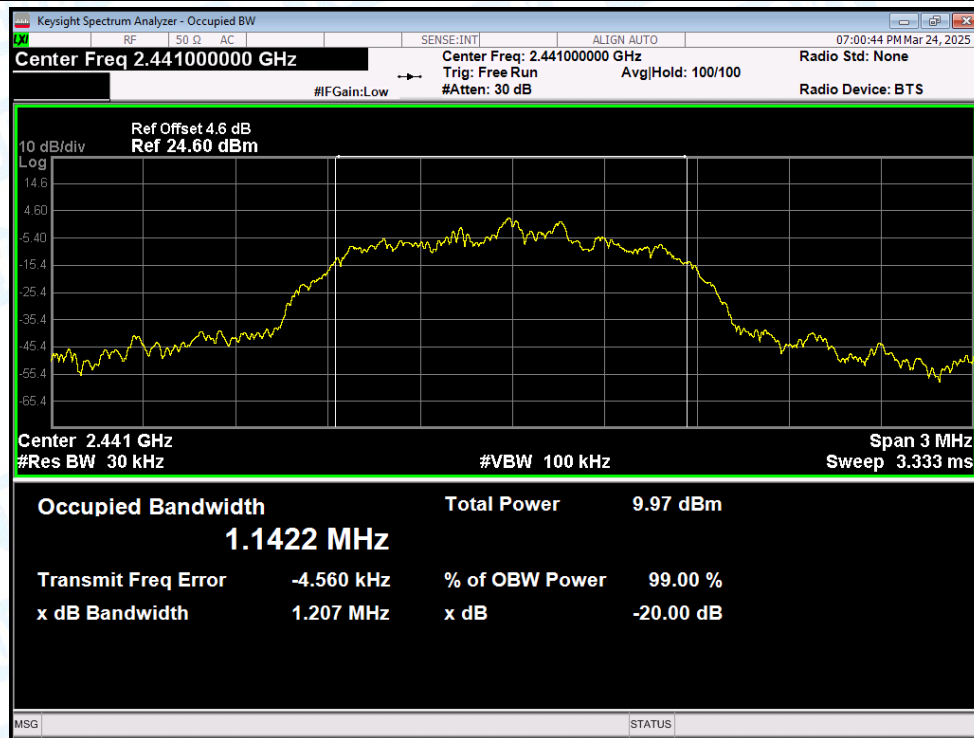
OBW NVNT 2-DH1 2480MHz Ant1

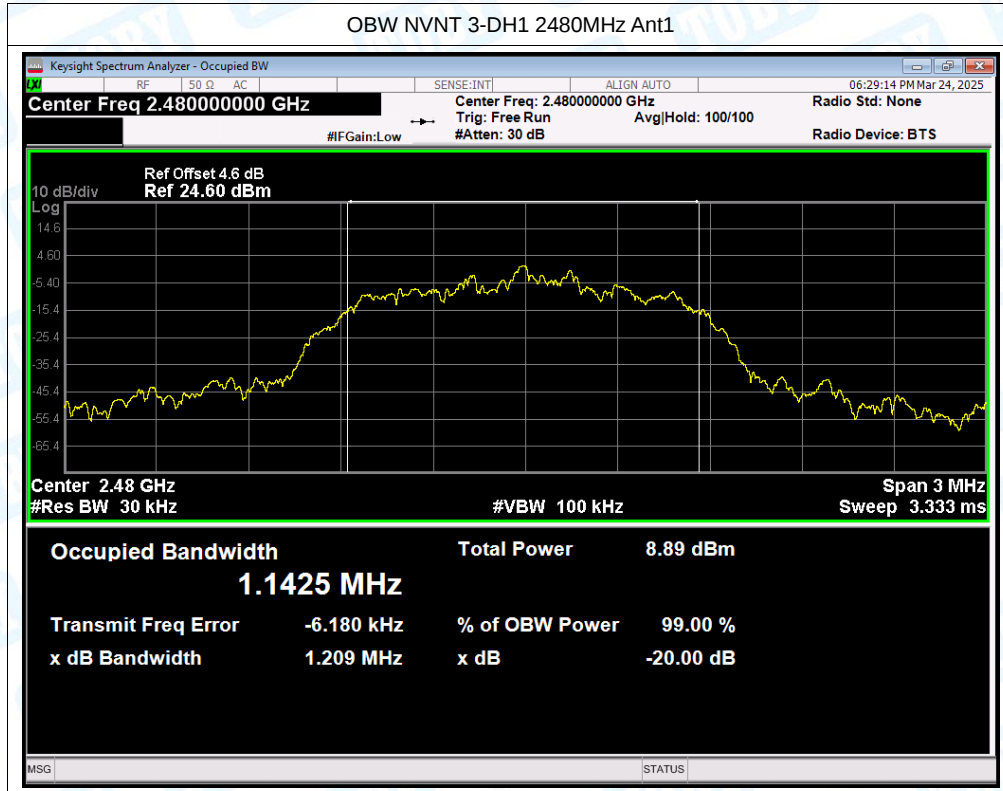


OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1



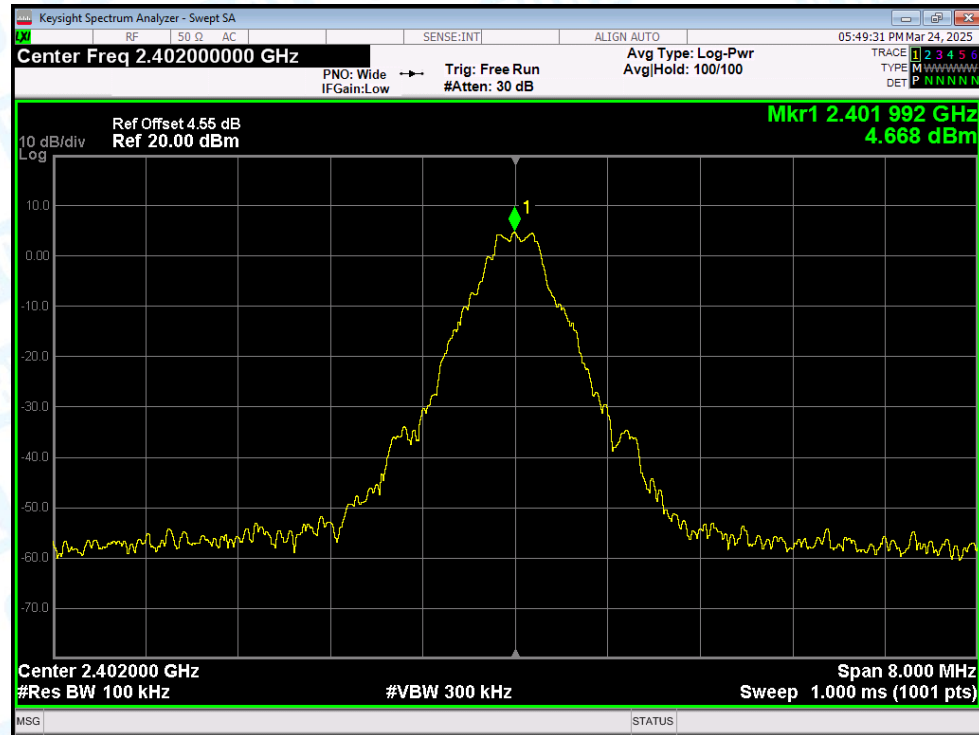


## 5. Band Edge

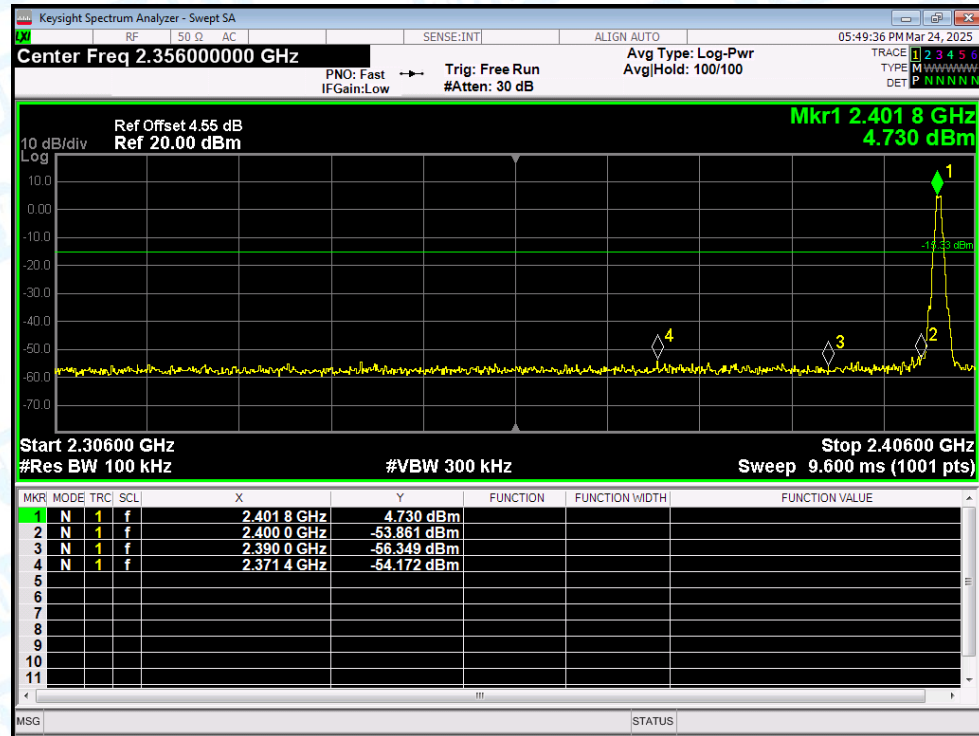
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | -58.84          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | -59.99          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | -58.19          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | -58.87          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | -58.98          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | -56.8           | -20         | Pass    |

### Test Graphs

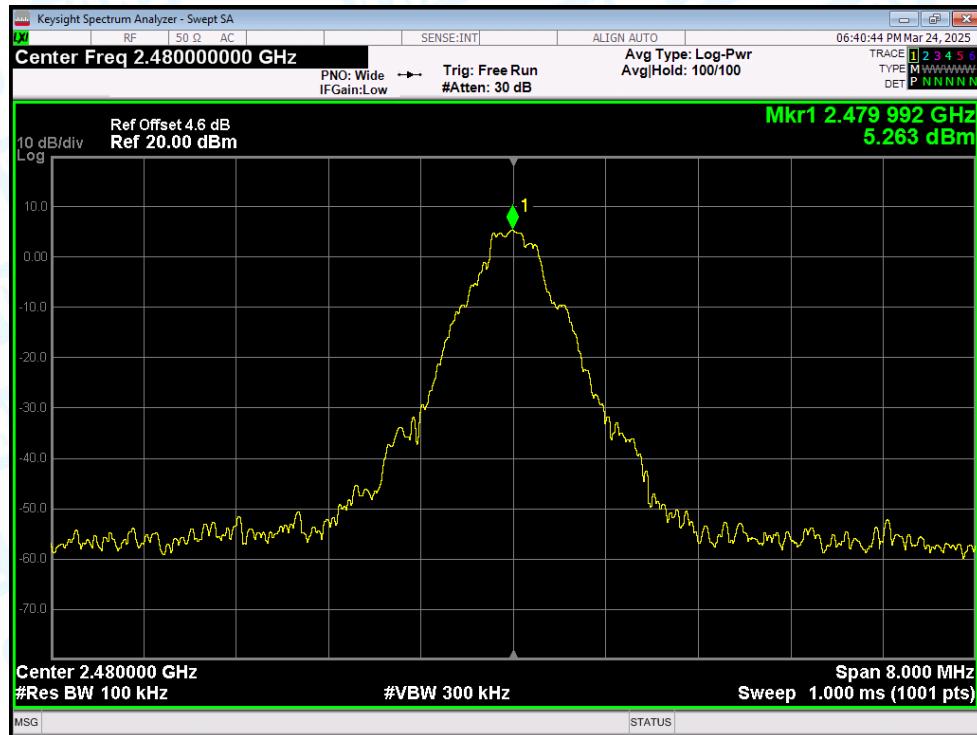
#### Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



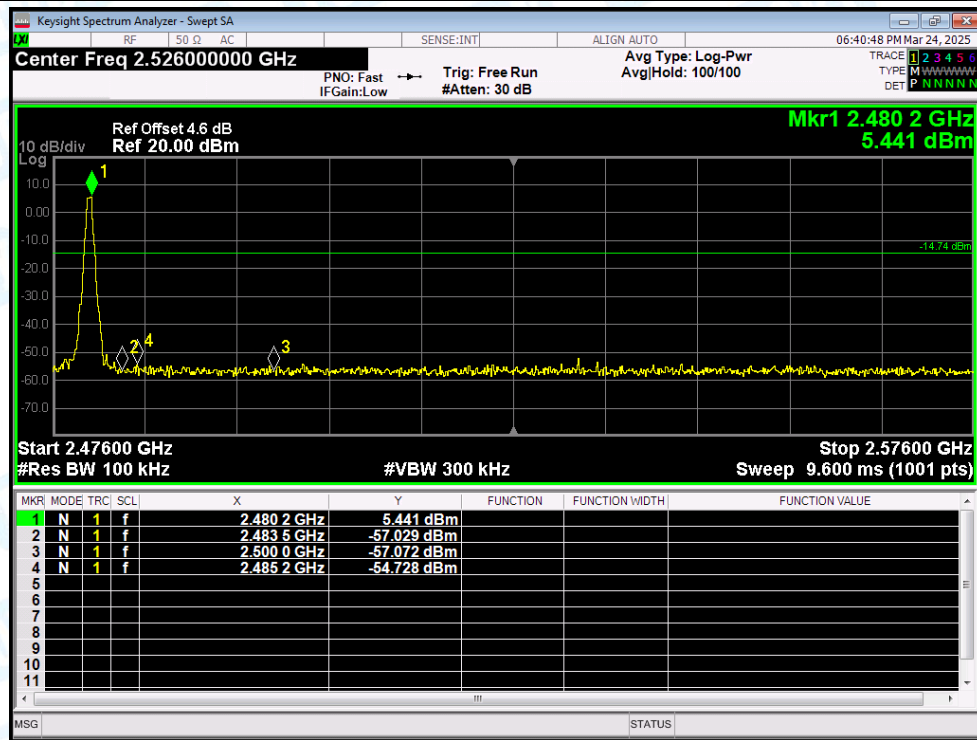
#### Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



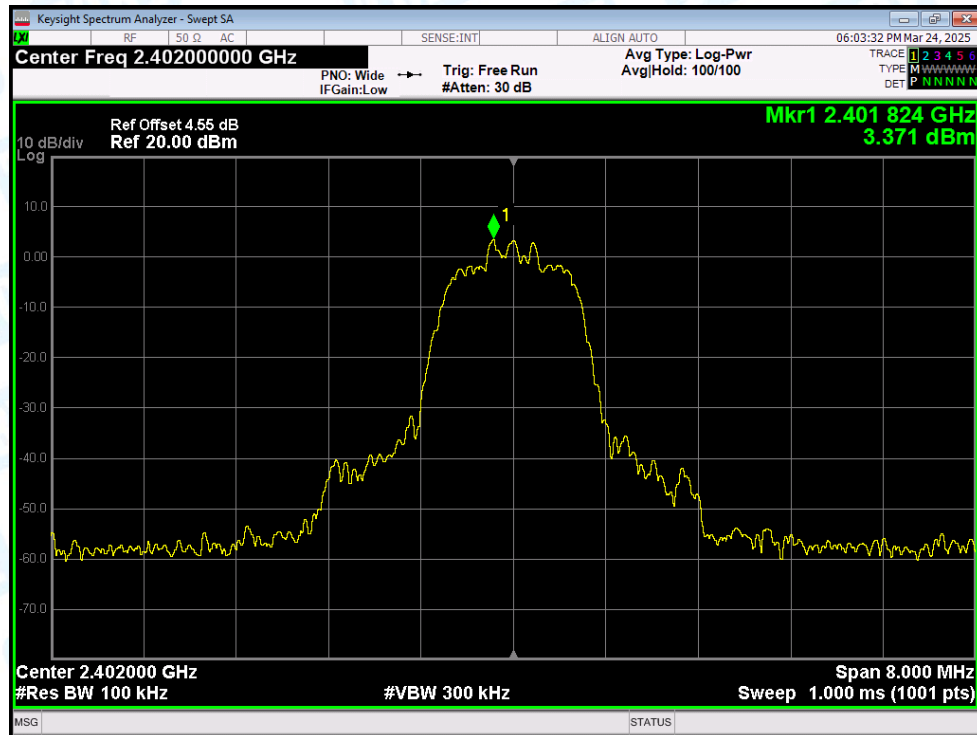
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



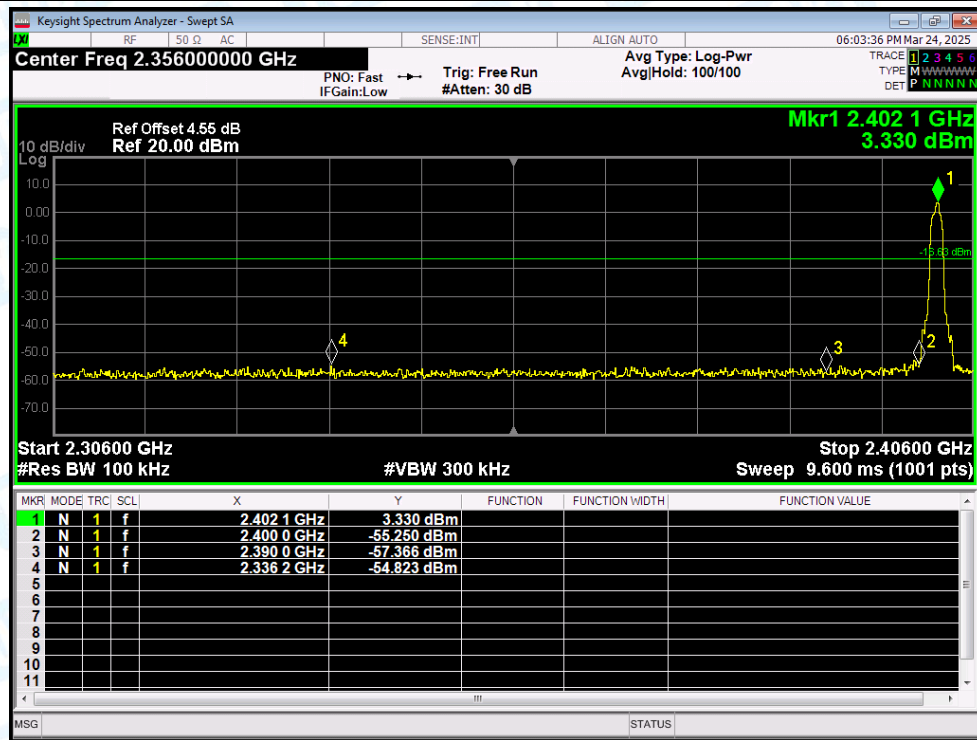
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



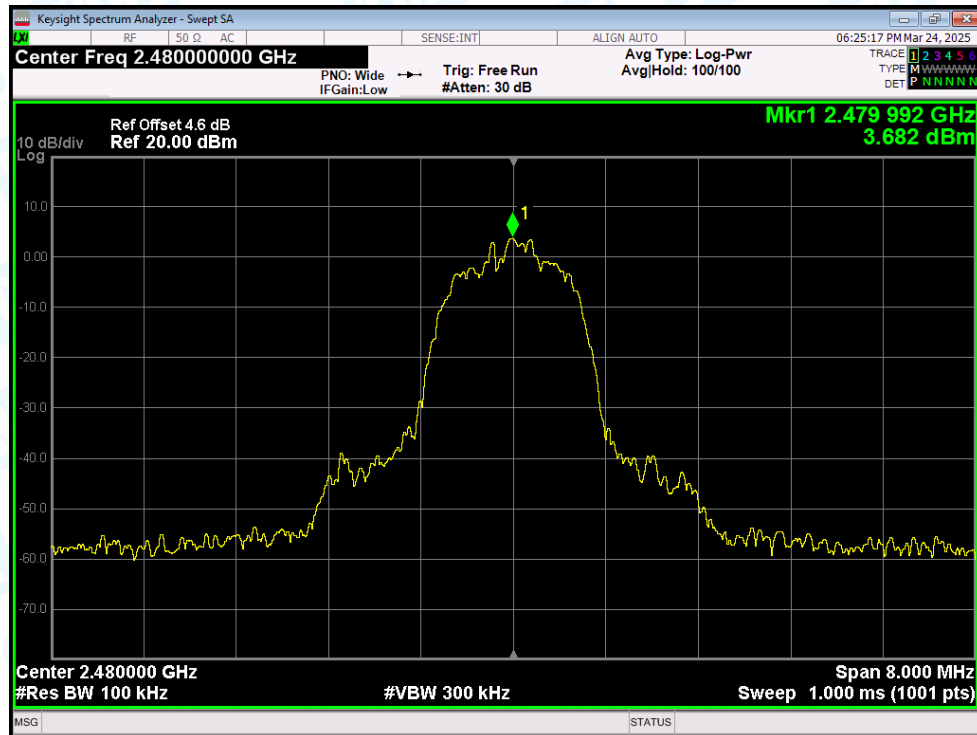
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



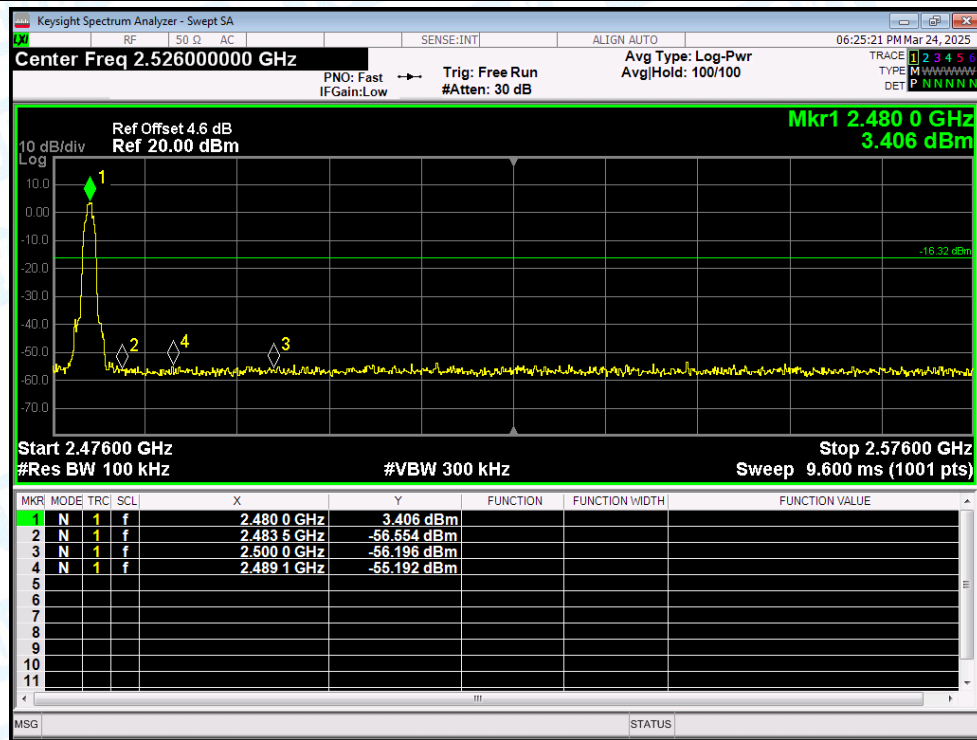
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



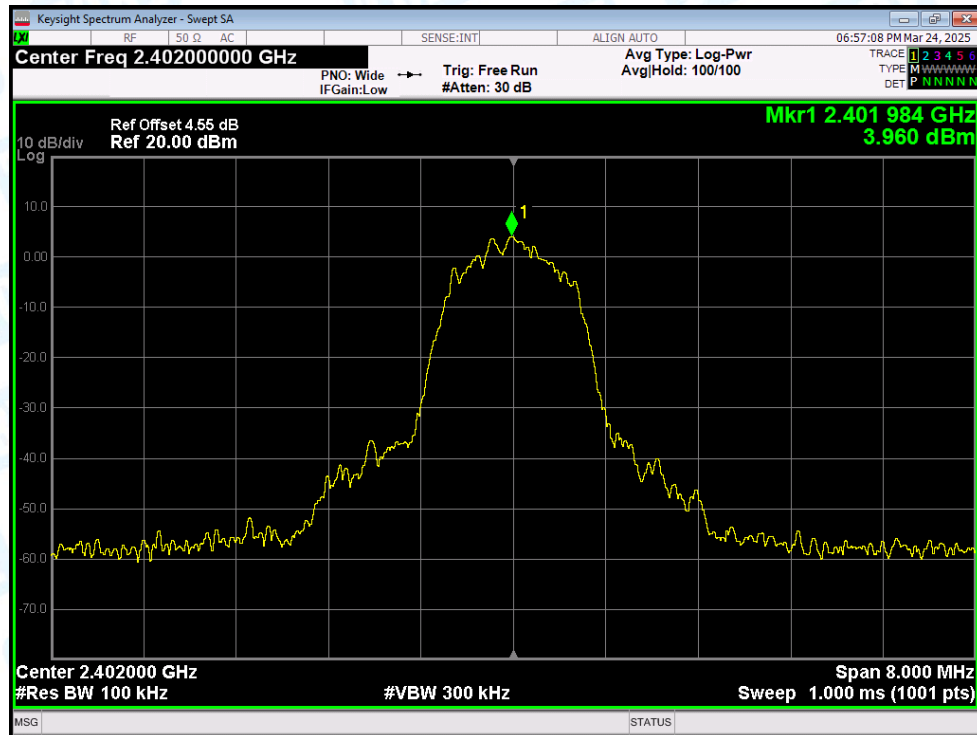
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



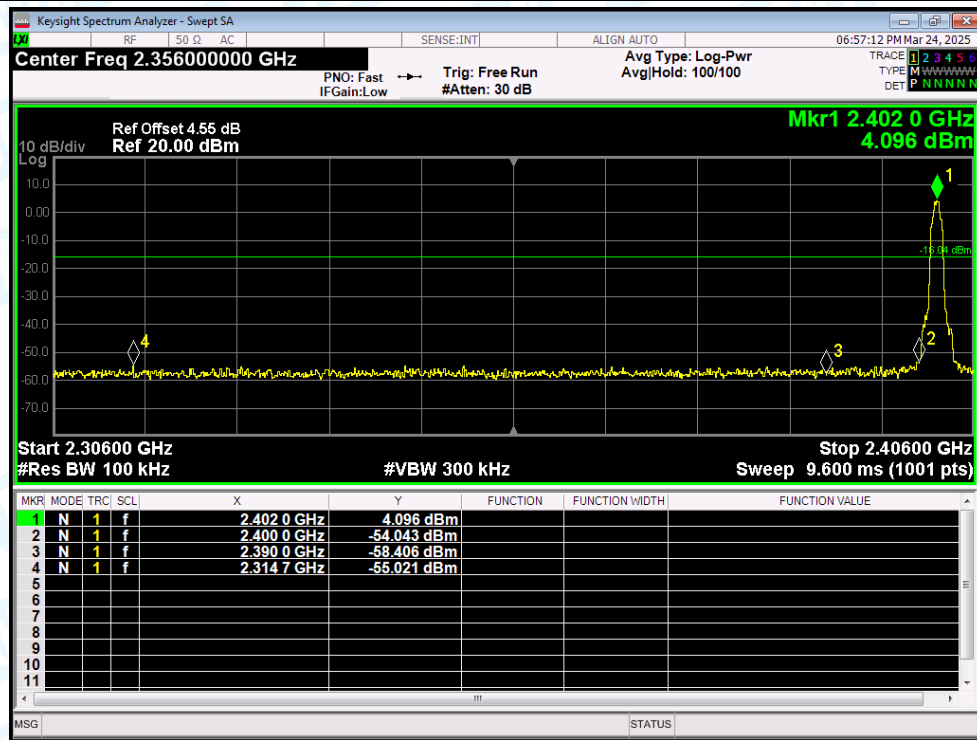
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



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



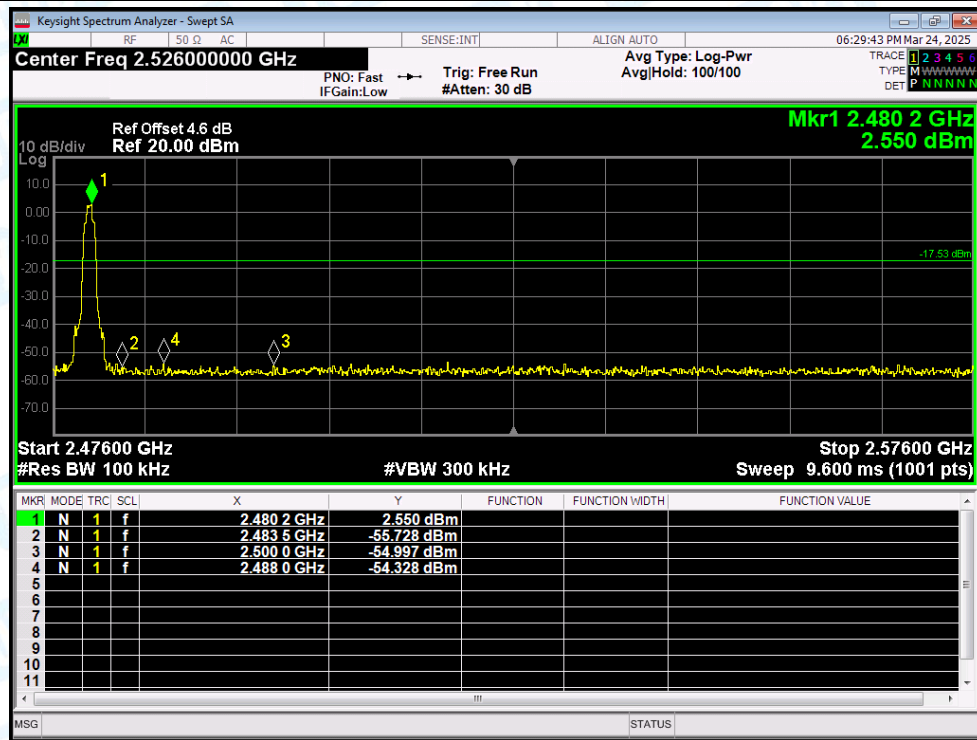
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



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



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



## 6. Band Edge(Hopping)

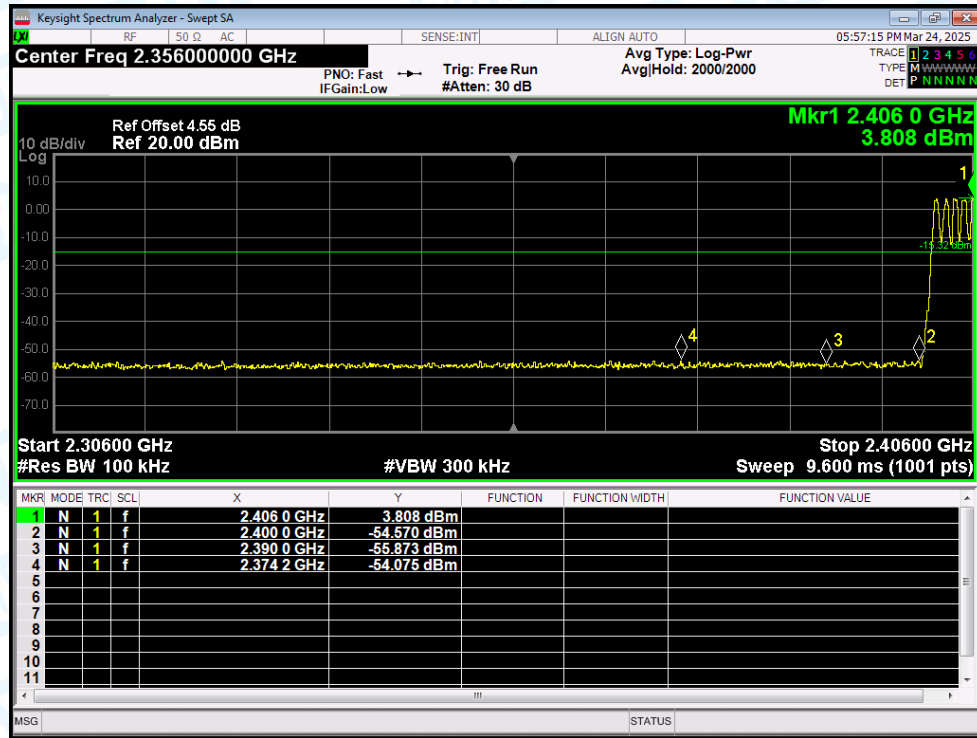
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | Hopping      | -58.76          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | Hopping      | -58.46          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | Hopping      | -57.57          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | Hopping      | -57.24          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | Hopping      | -57.74          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | Hopping      | -55.32          | -20         | Pass    |

### Test Graphs

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



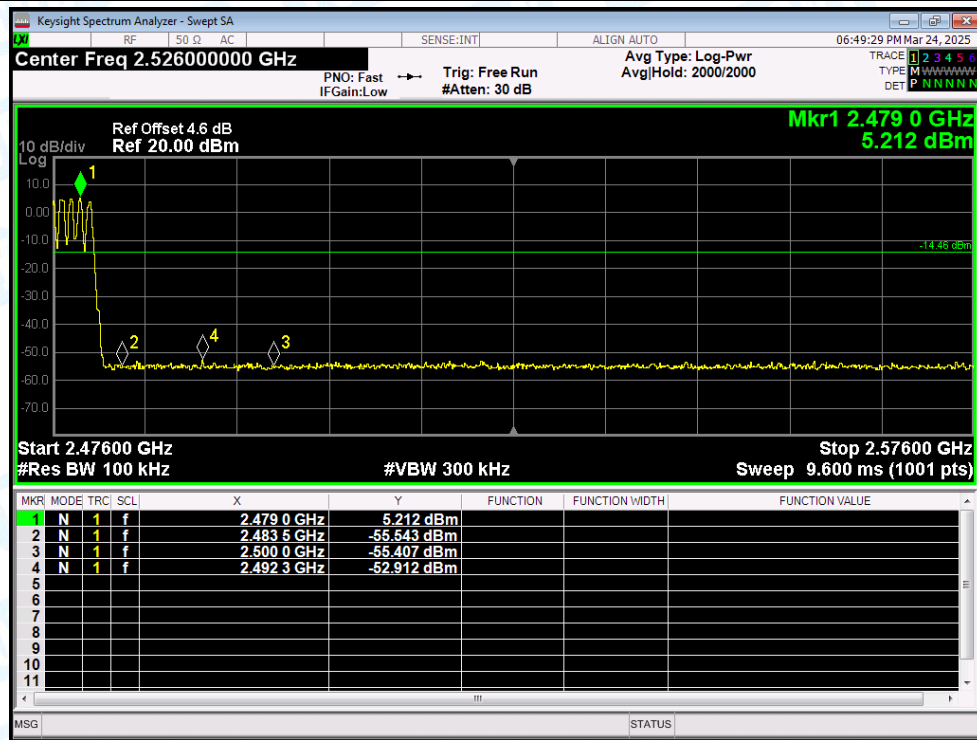
#### Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission

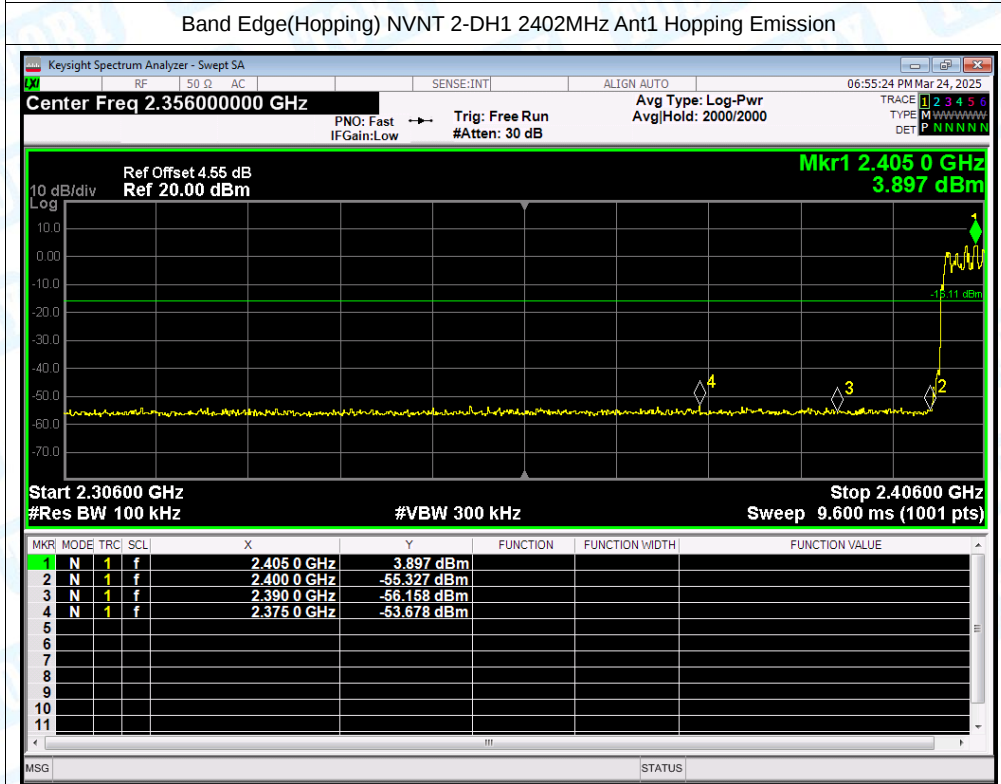
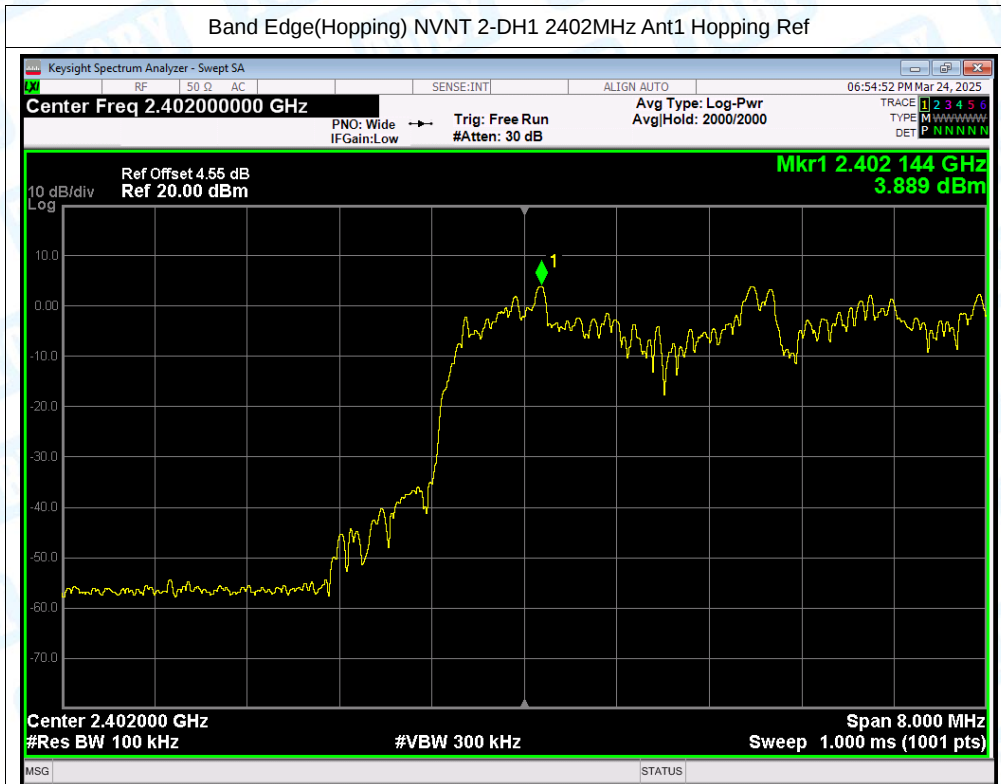


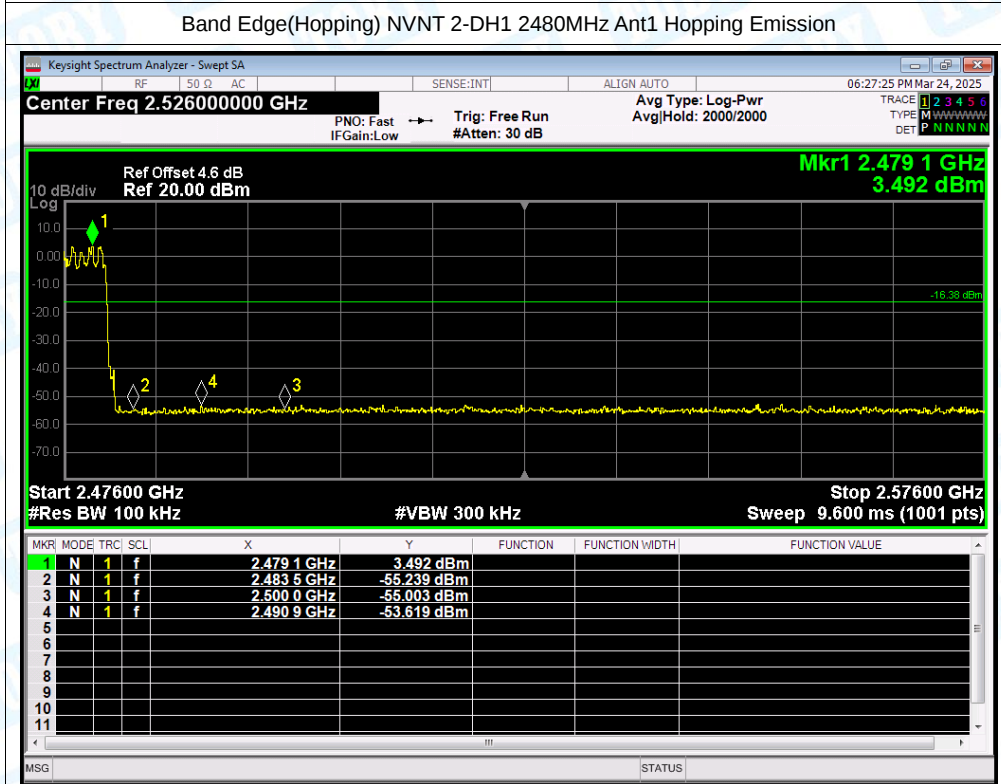
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref



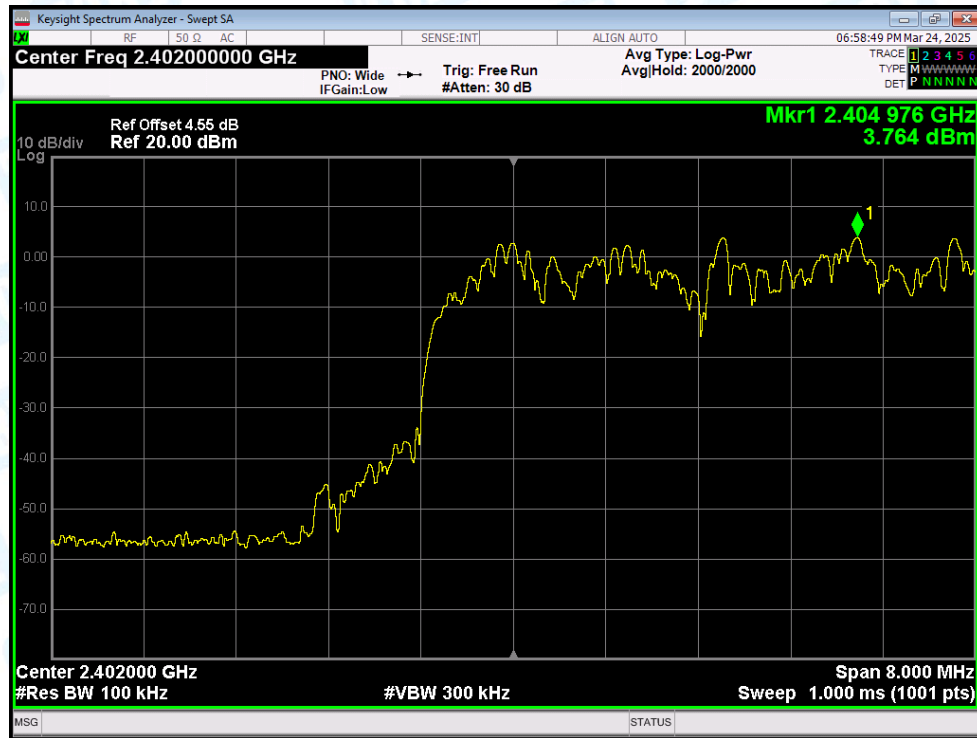
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



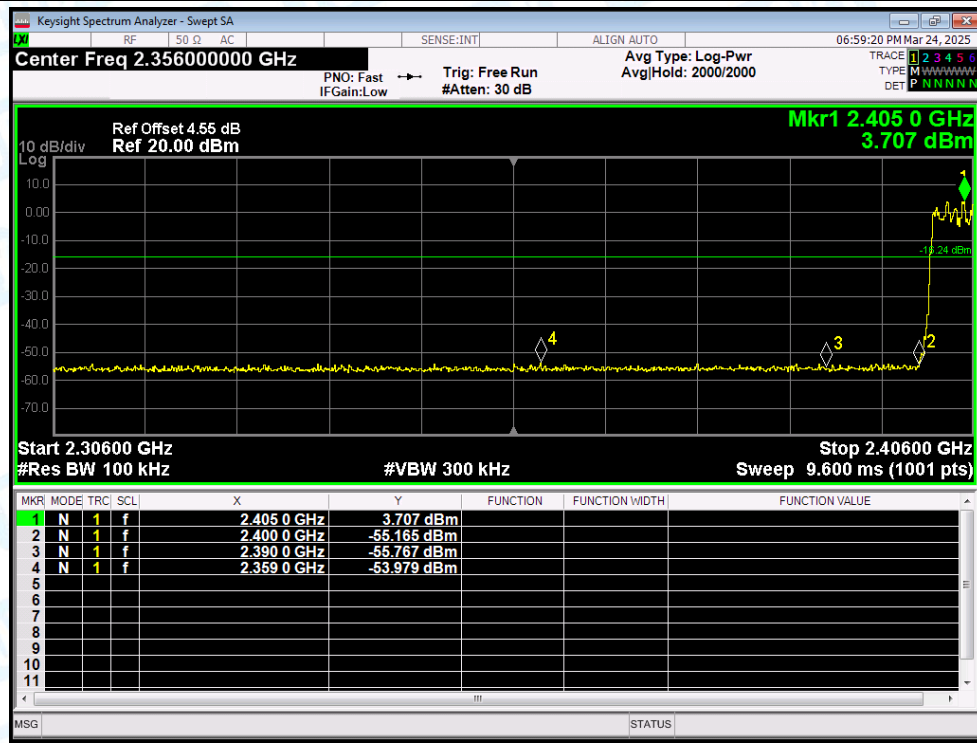


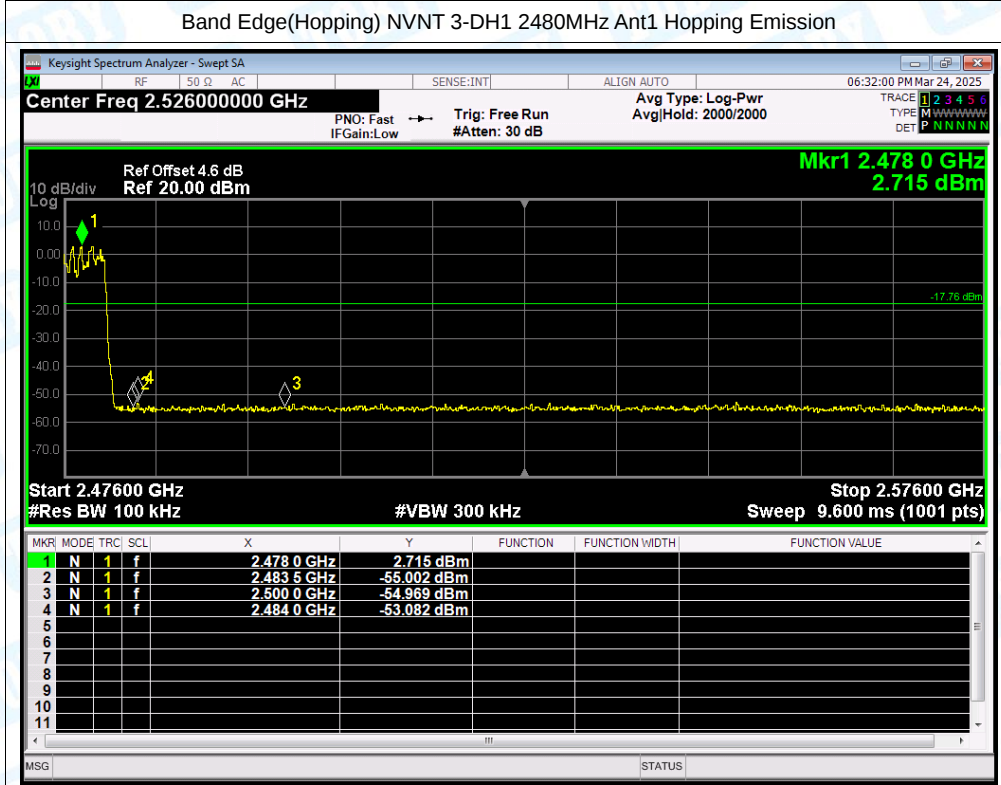


Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



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



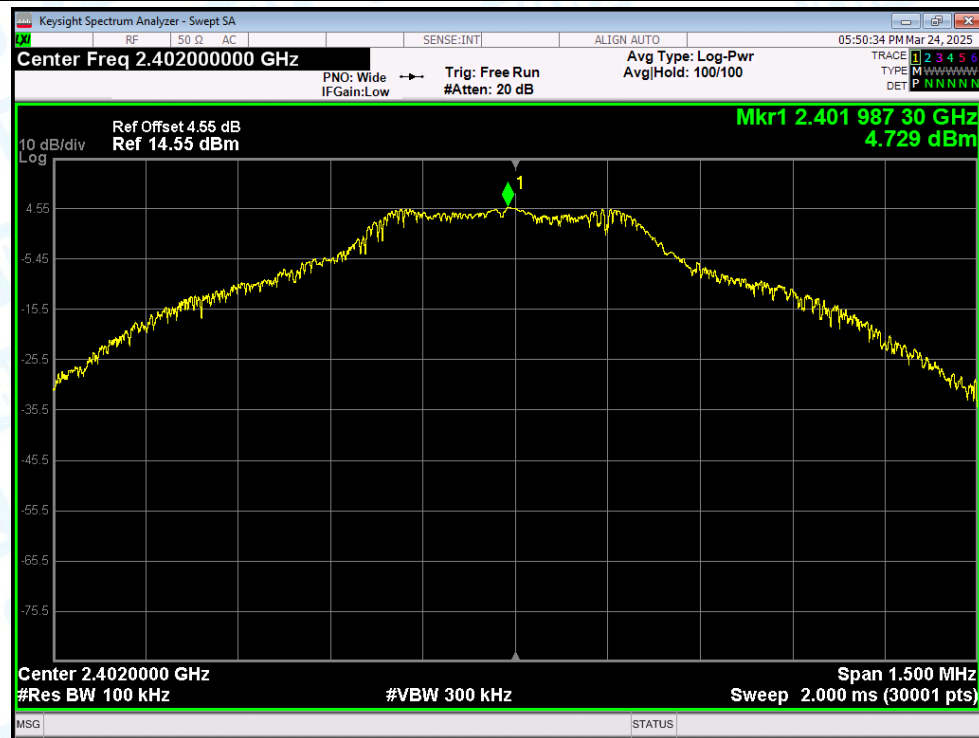


## 7. Conducted RF Spurious Emission

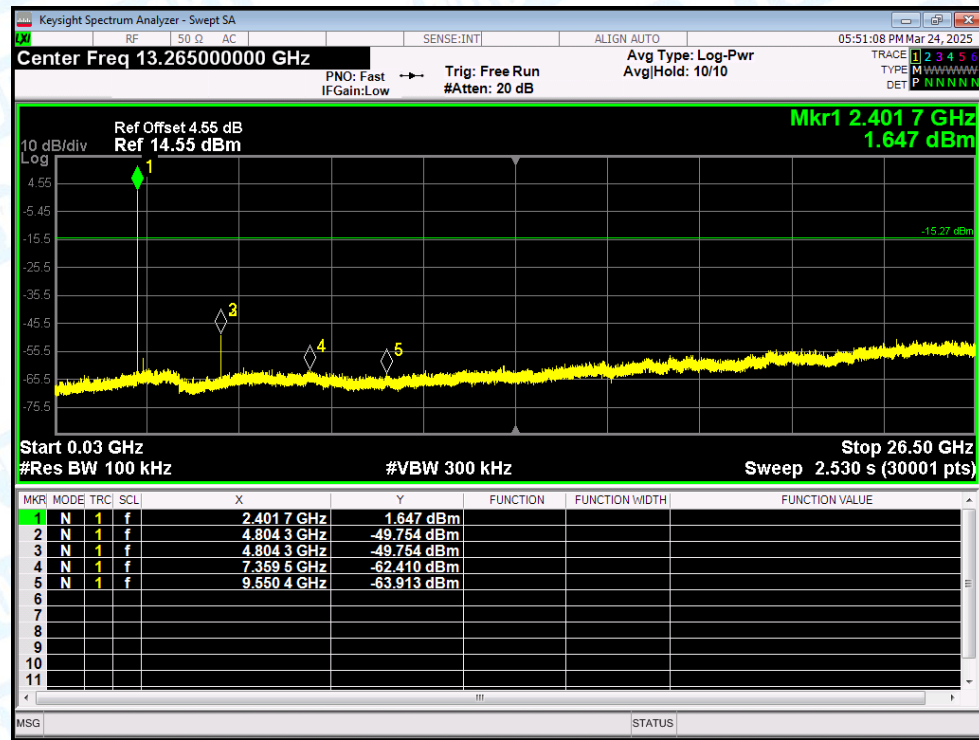
| Condition | Mode  | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | -54.48          | -20         | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | -51.48          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | -51.1           | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | -53.49          | -20         | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | -53.24          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | -54.49          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | -51.74          | -20         | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | -52.66          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | -52.94          | -20         | Pass    |

### Test Graphs

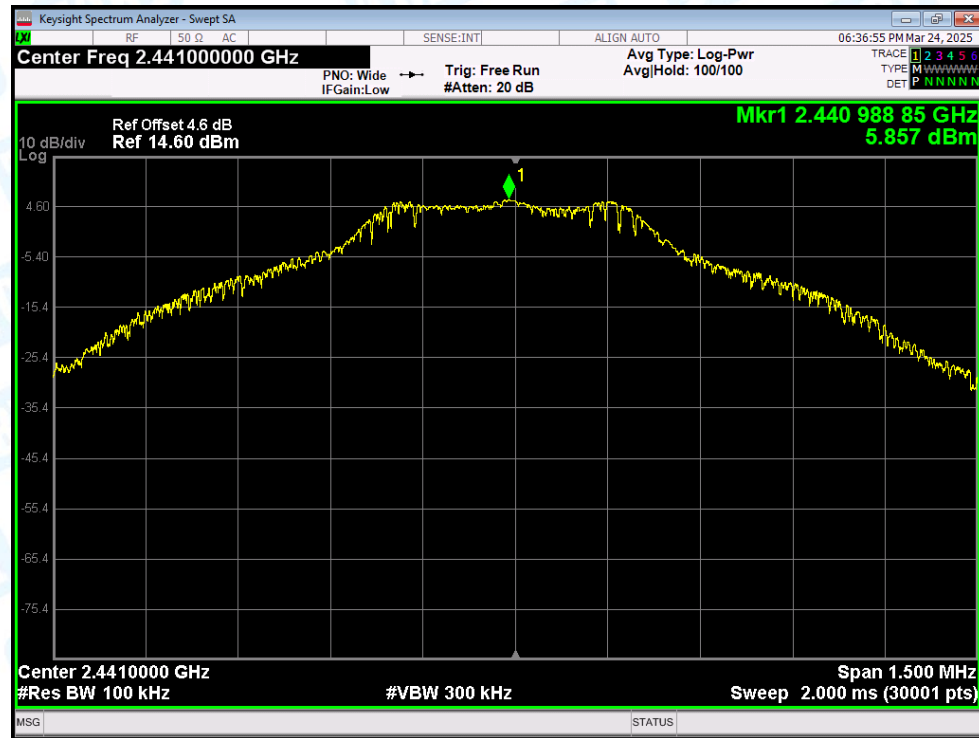
#### Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



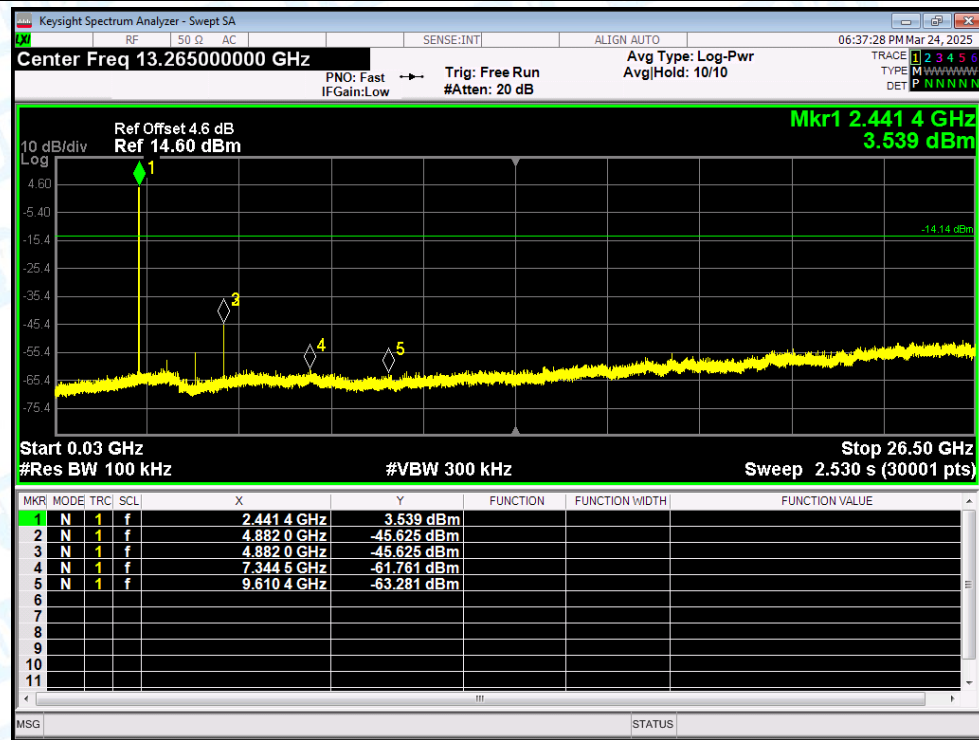
#### Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



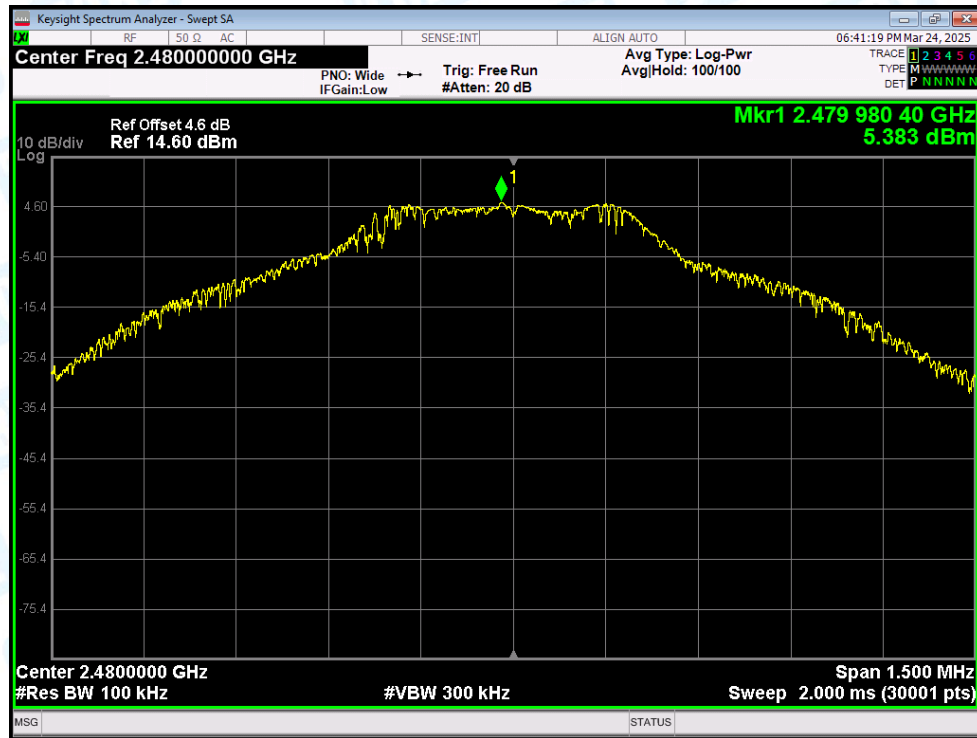
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



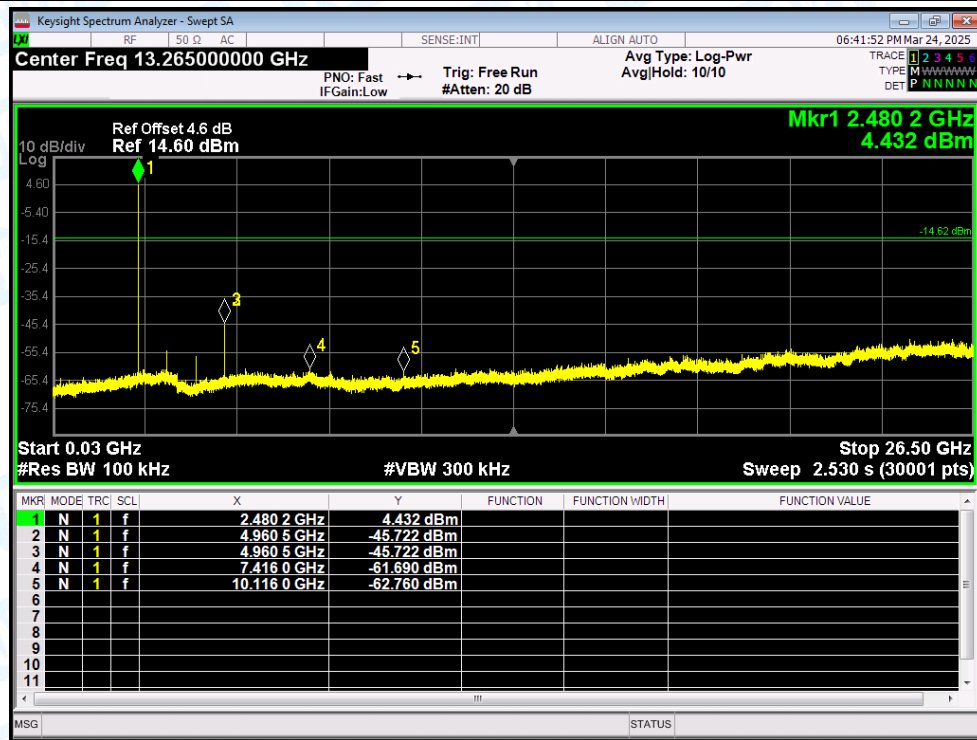
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



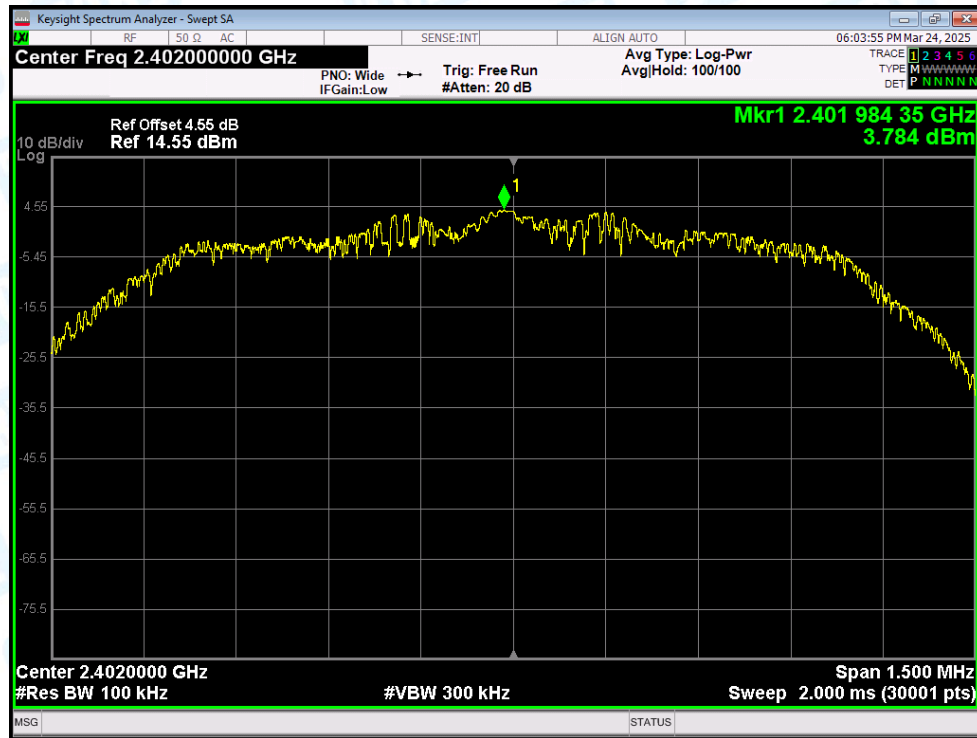
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



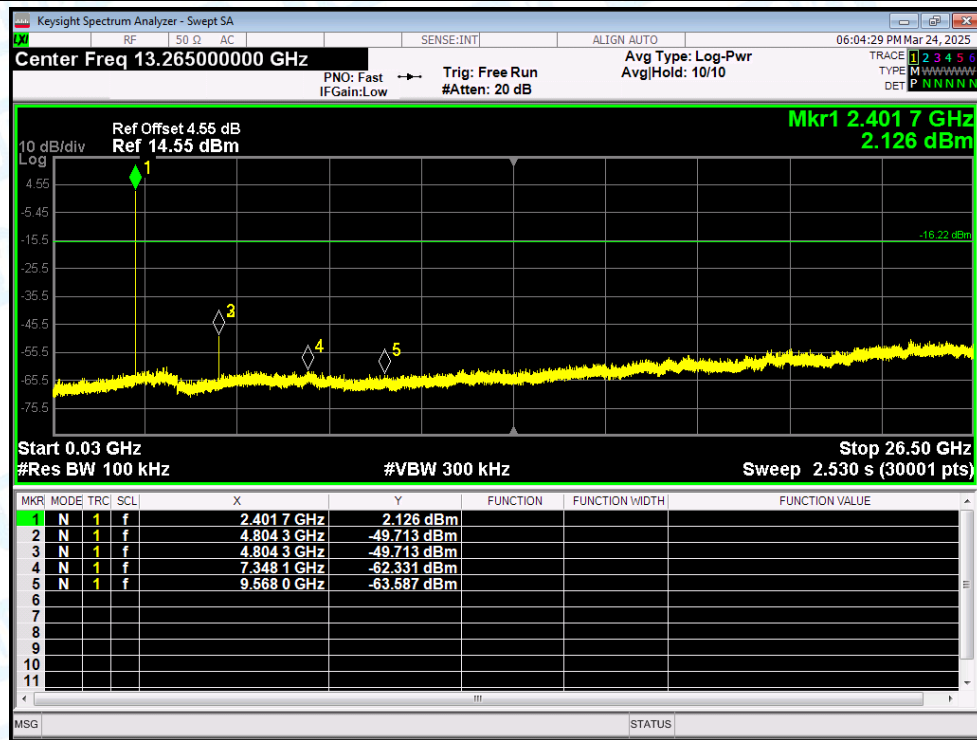
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



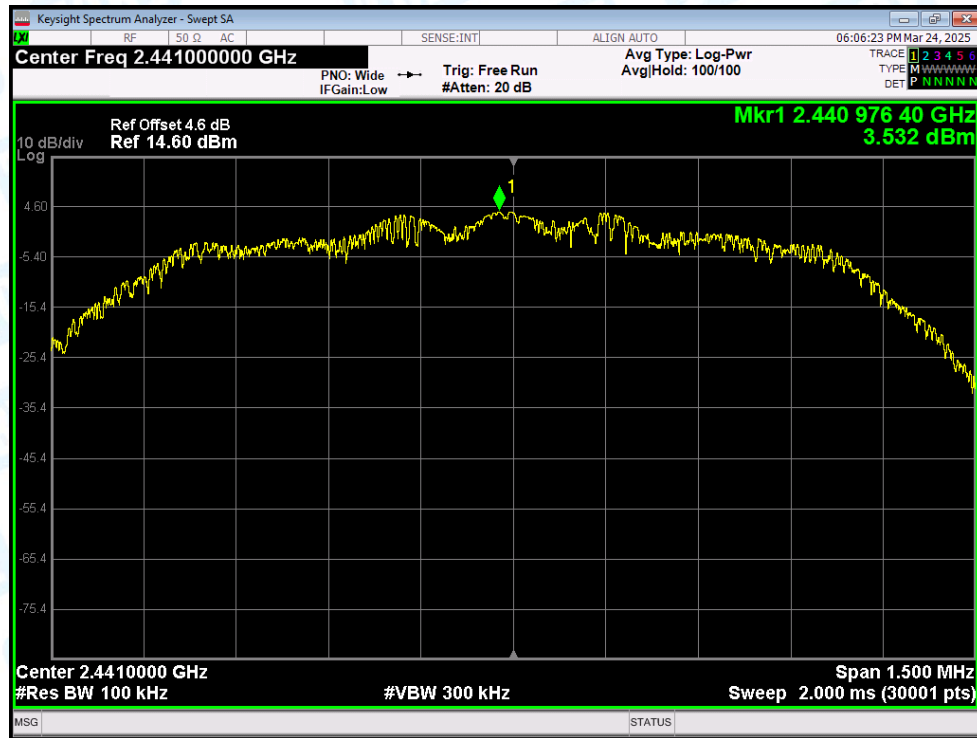
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



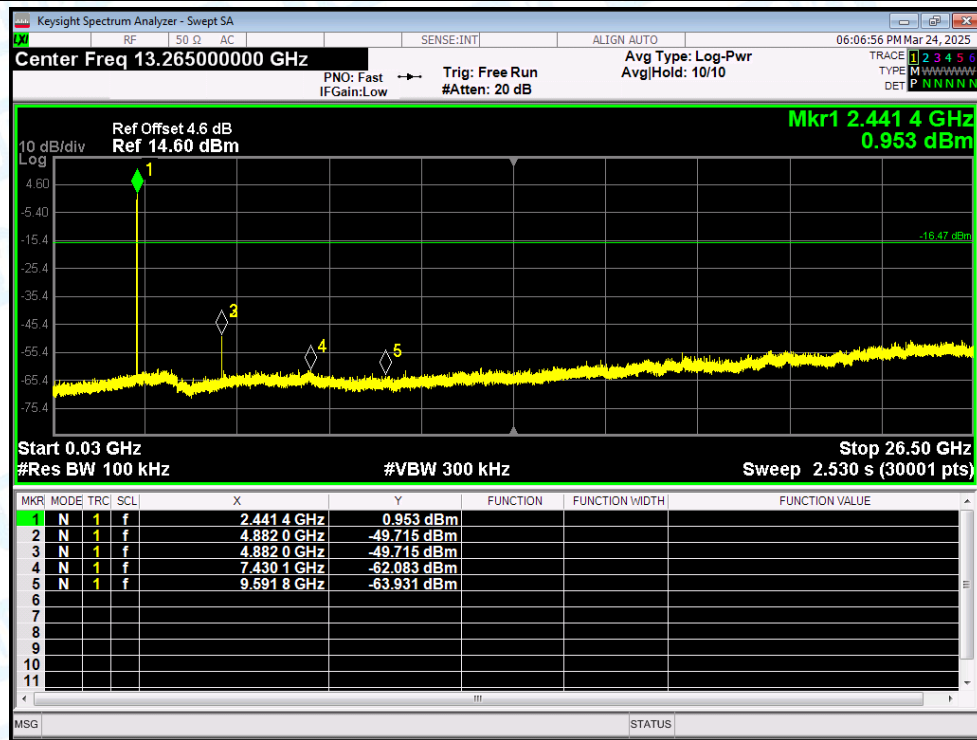
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



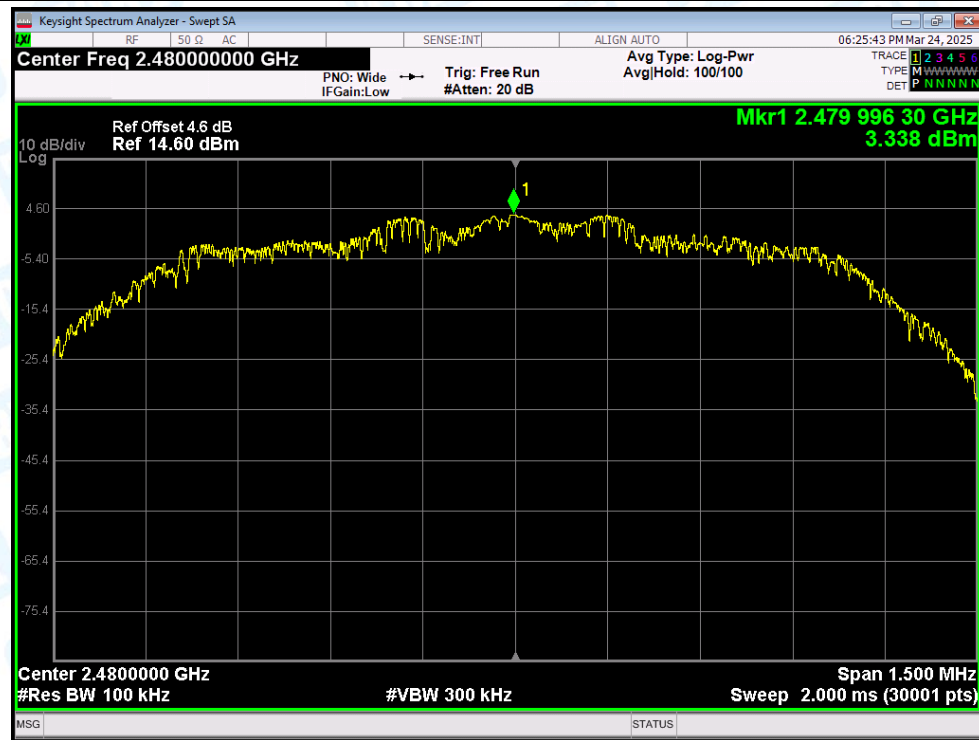
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



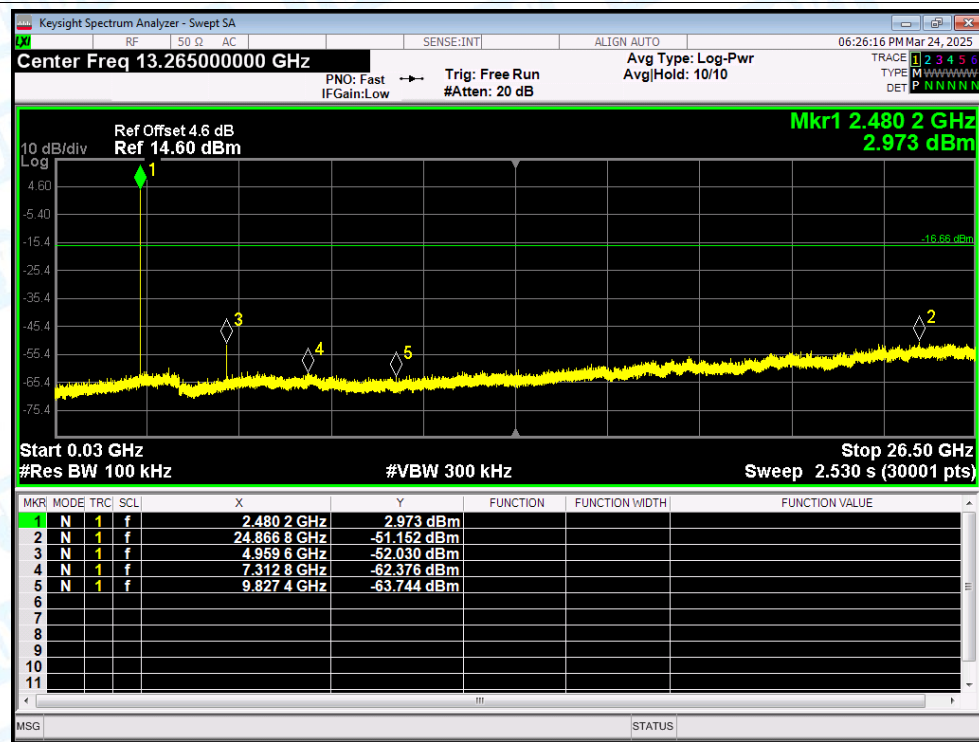
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



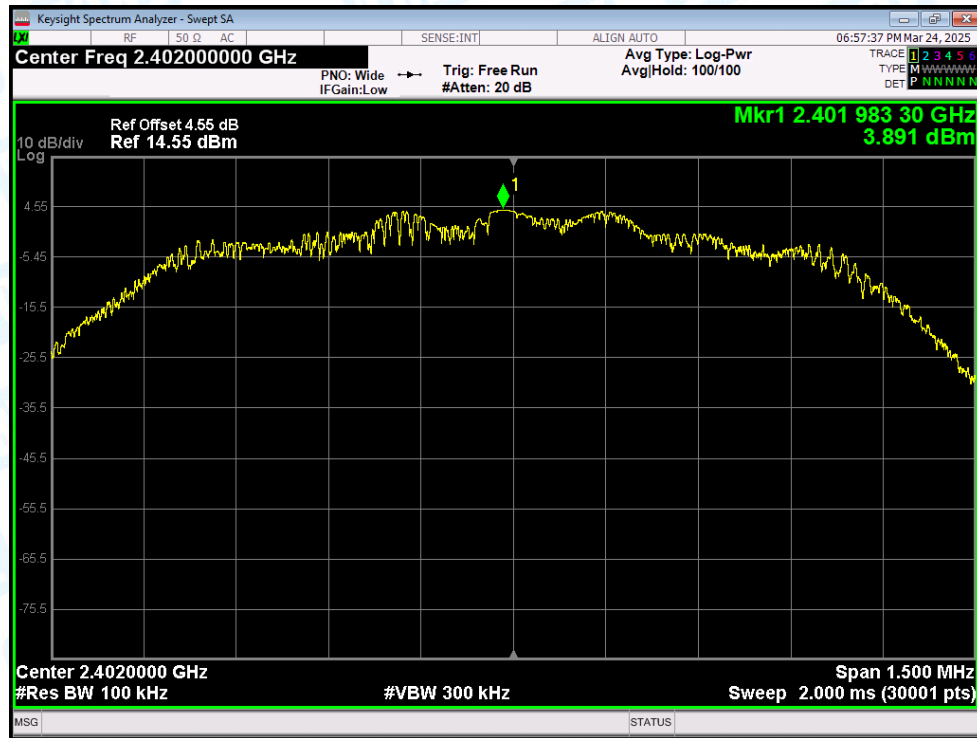
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



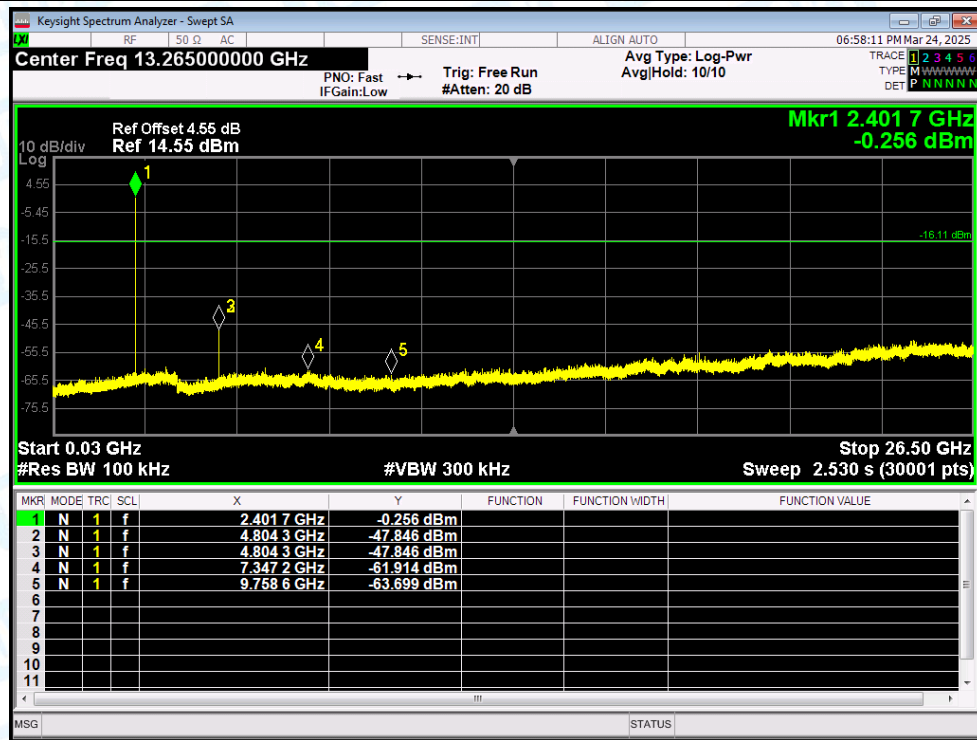
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



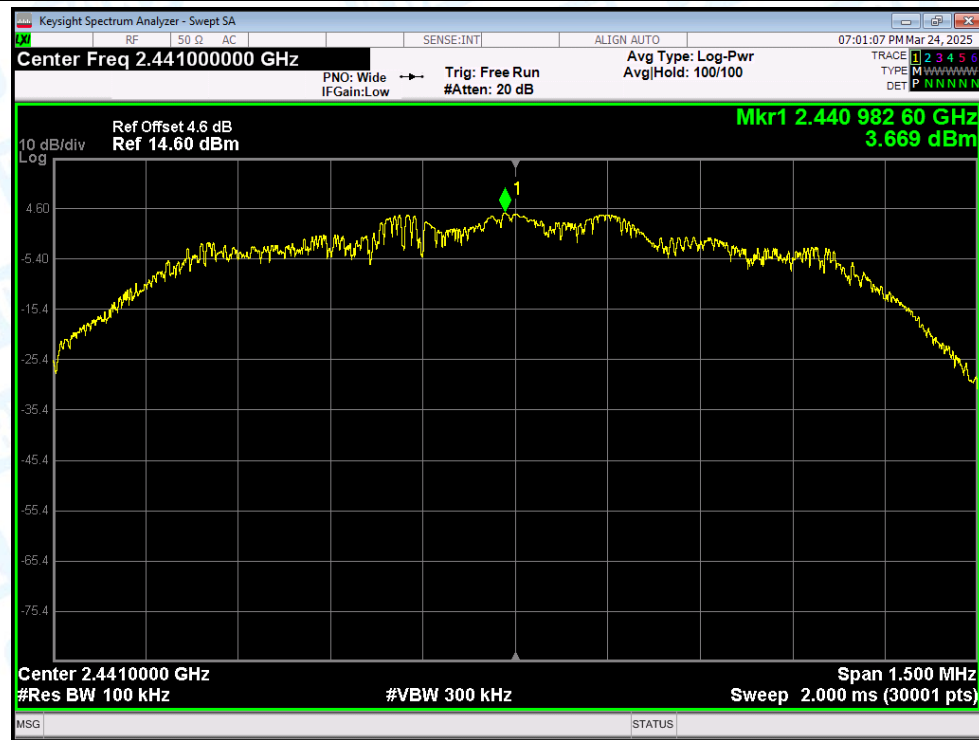
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



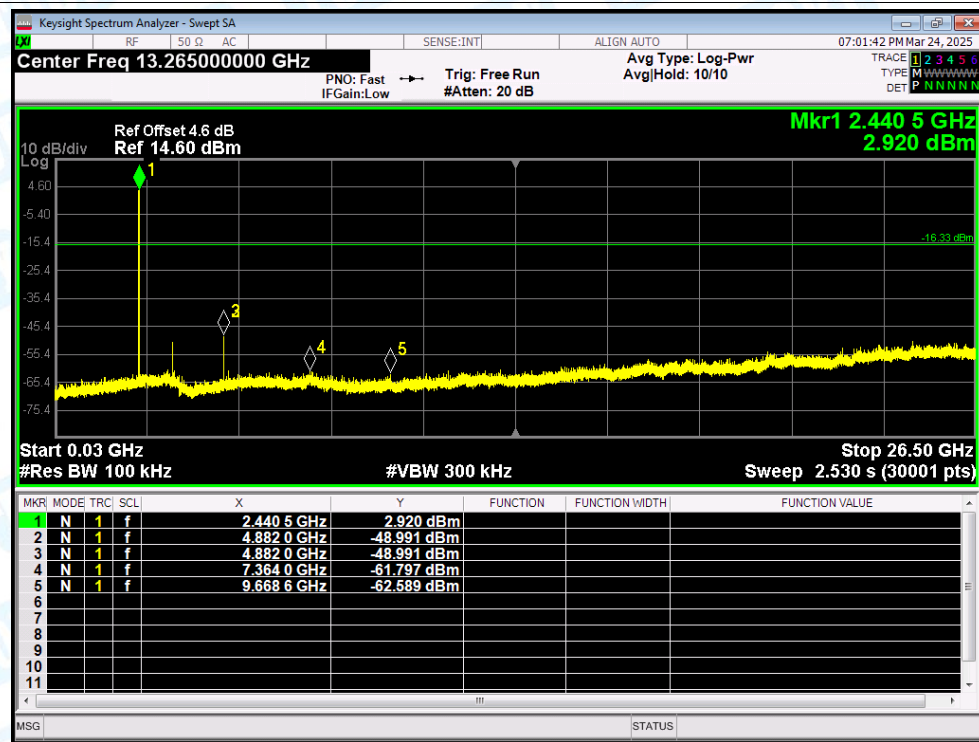
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



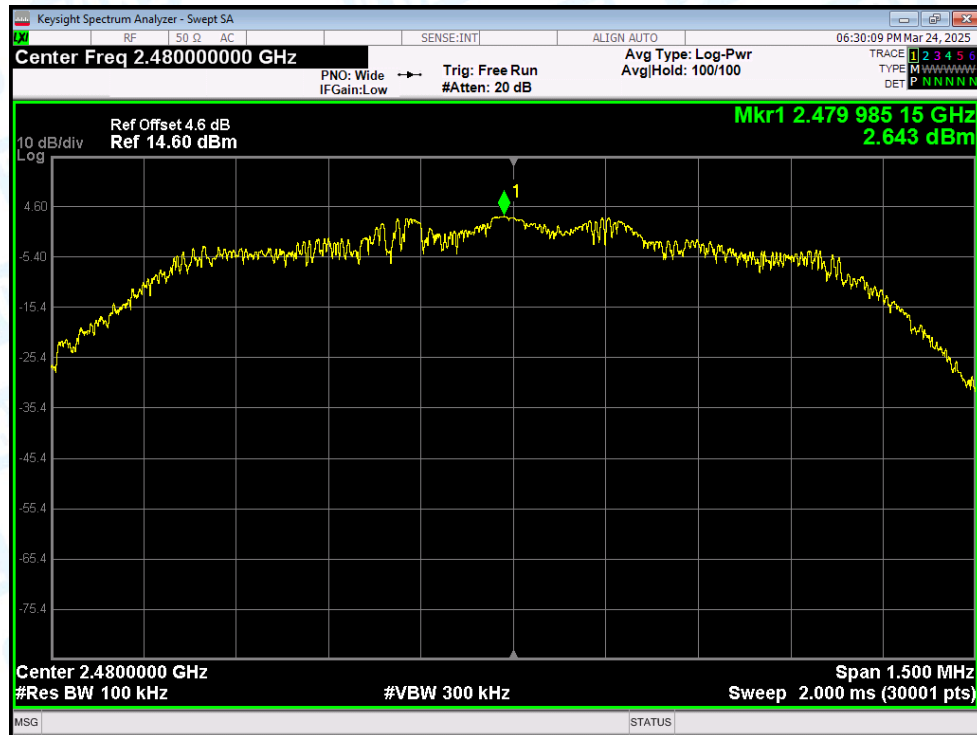
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



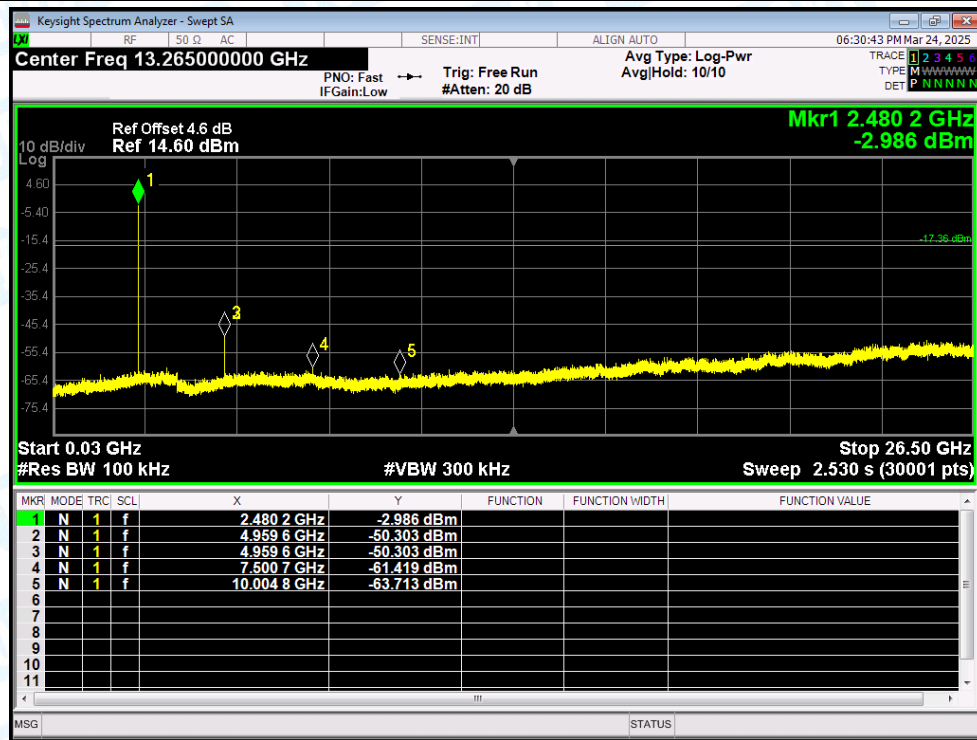
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission

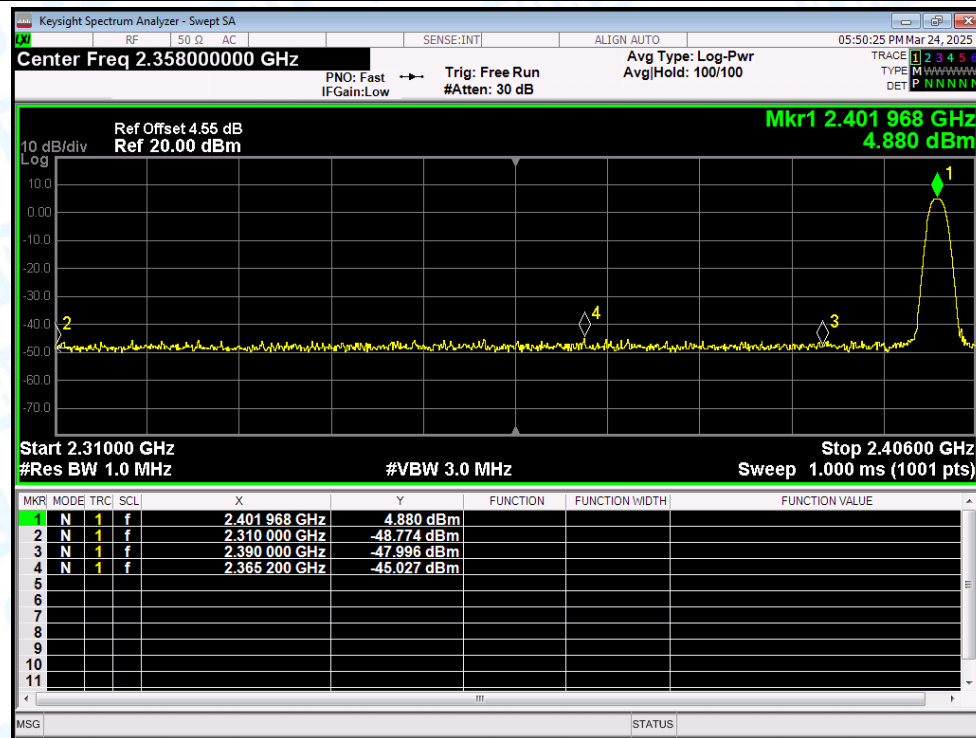


## 8. Restrict Band

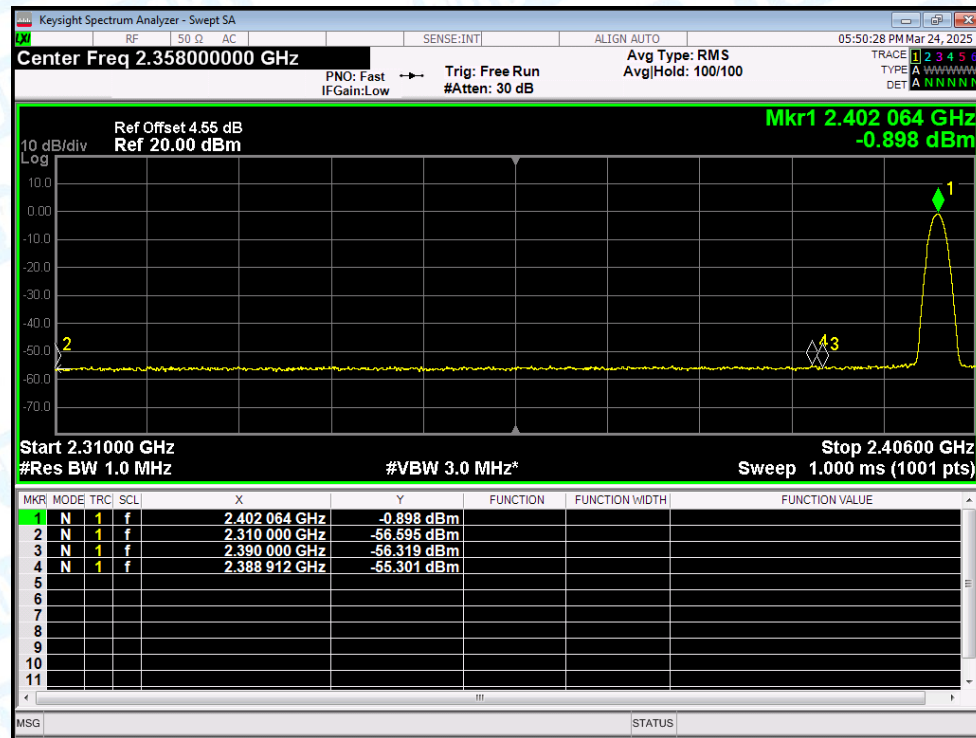
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | Duty Factor (dB) | E (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|------------|------------------|------------|----------|----------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -48.77      | 2          | -                | 48.49      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -56.6       | 2          | 4.99             | 45.65      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2365.2          | -45.03      | 2          | -                | 52.23      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2388.912        | -55.3       | 2          | 4.99             | 46.95      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -48         | 2          | -                | 49.26      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -56.32      | 2          | 4.99             | 45.93      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -47.53      | 2          | -                | 49.73      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -55         | 2          | 4.99             | 47.25      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2490.136        | -44.05      | 2          | -                | 53.21      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.776        | -54.55      | 2          | 4.99             | 47.7       | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -47.97      | 2          | -                | 49.29      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -55.24      | 2          | 4.99             | 47.01      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -49.24      | 2          | -                | 48.02      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -56.18      | 2          | 4.91             | 45.99      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2382.384        | -44.86      | 2          | -                | 52.4       | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2354.832        | -55.35      | 2          | 4.91             | 46.82      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -48         | 2          | -                | 49.26      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -56.04      | 2          | 4.91             | 46.13      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -47.69      | 2          | -                | 49.57      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -55.3       | 2          | 4.99             | 46.95      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2488.12         | -44.23      | 2          | -                | 53.03      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2489.68         | -54.74      | 2          | 4.99             | 47.51      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -49.06      | 2          | -                | 48.2       | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -55.13      | 2          | 4.99             | 47.12      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -48.2       | 2          | -                | 49.06      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -56.11      | 2          | 4.99             | 46.14      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2320.272        | -44.7       | 2          | -                | 52.56      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2363.952        | -55.34      | 2          | 4.99             | 46.91      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -46.68      | 2          | -                | 50.58      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -56.1       | 2          | 4.99             | 46.15      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -48.33      | 2          | -                | 48.93      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -55.74      | 2          | 5.02             | 46.54      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.608        | -44.34      | 2          | -                | 52.92      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2495.2          | -54.83      | 2          | 5.02             | 47.45      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -48.63      | 2          | -                | 48.63      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -55.59      | 2          | 5.02             | 46.69      | Average  | 54             | Pass    |

### Test Graphs

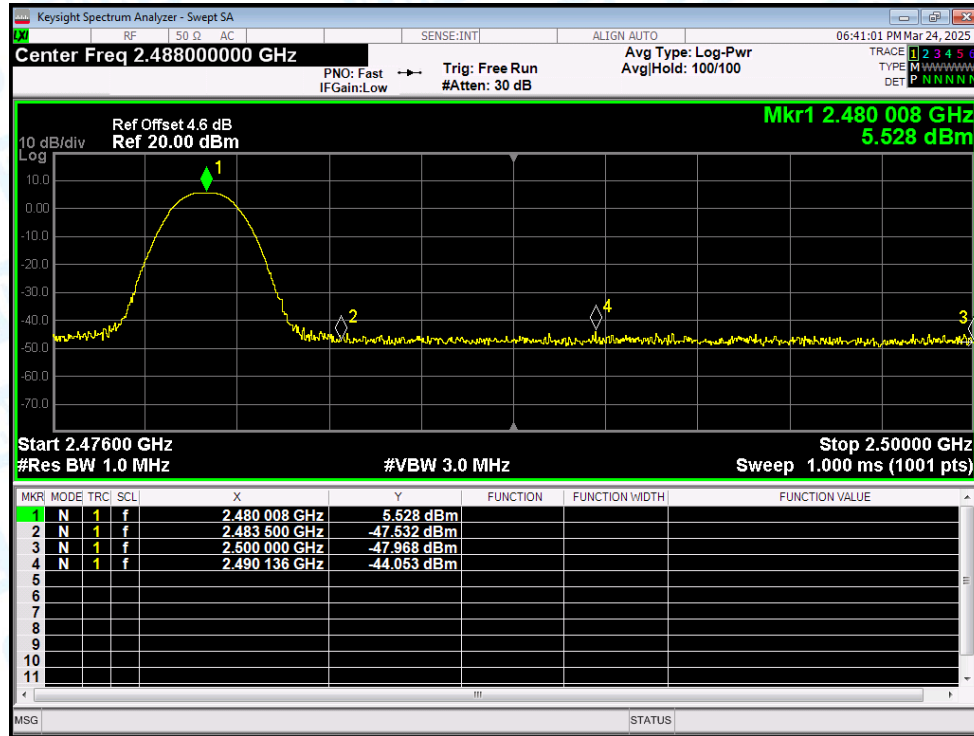
#### Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Peak



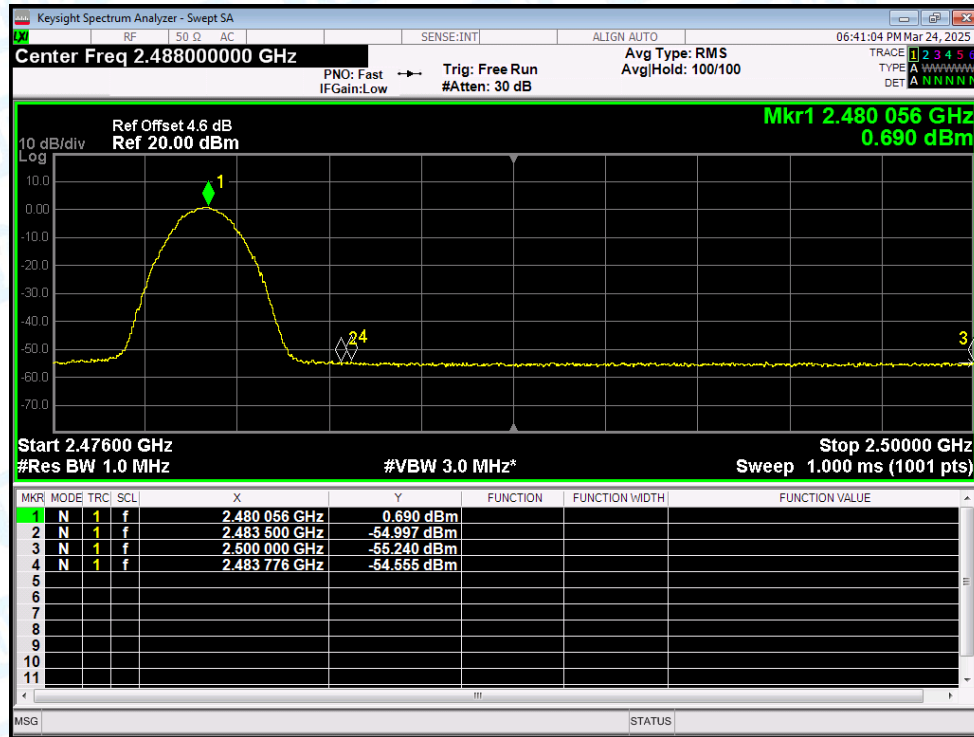
#### Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Average



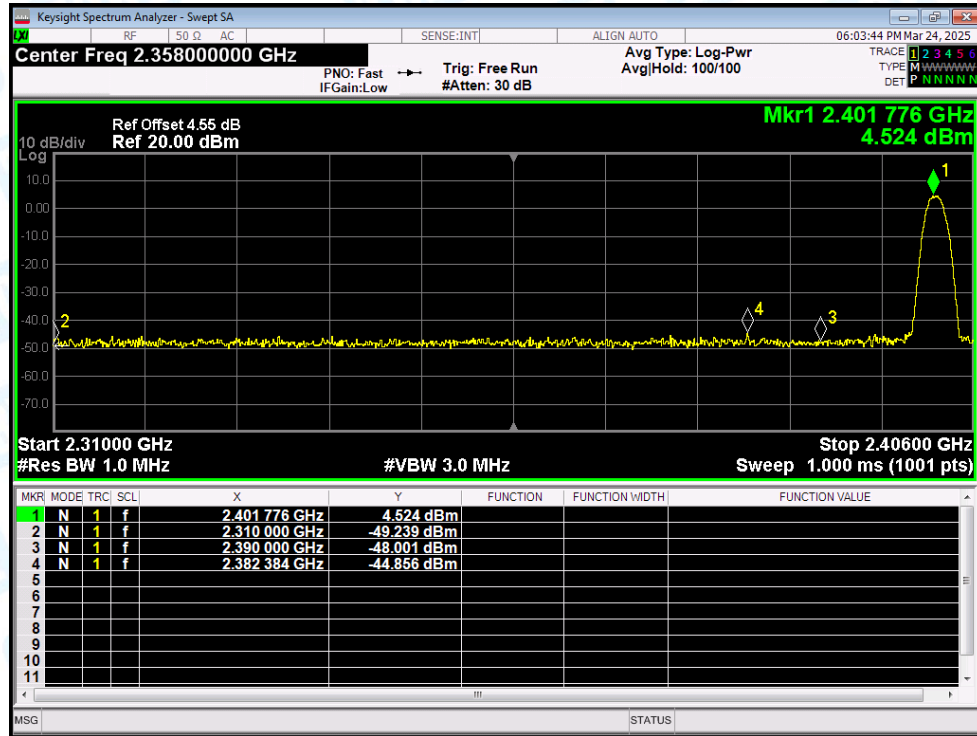
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Peak



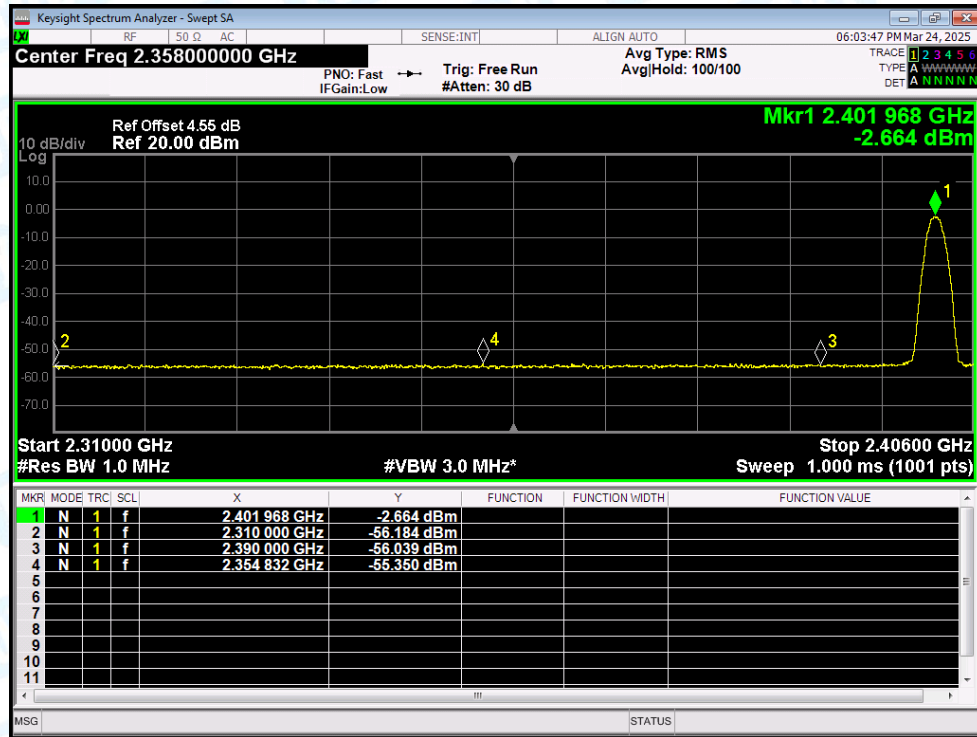
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Average



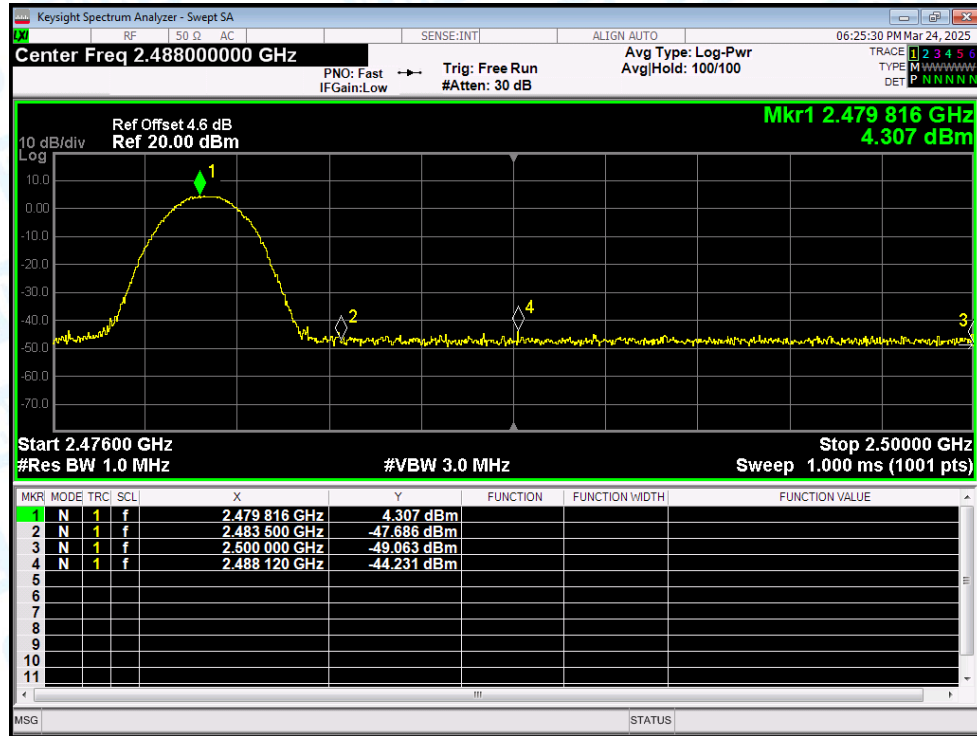
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Peak



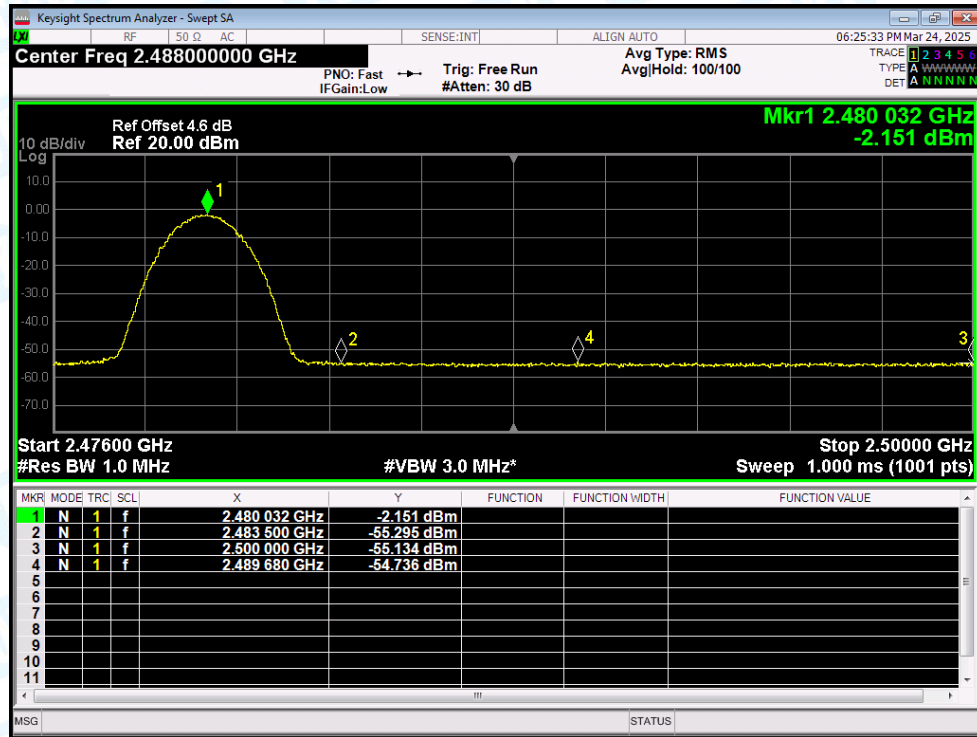
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Average



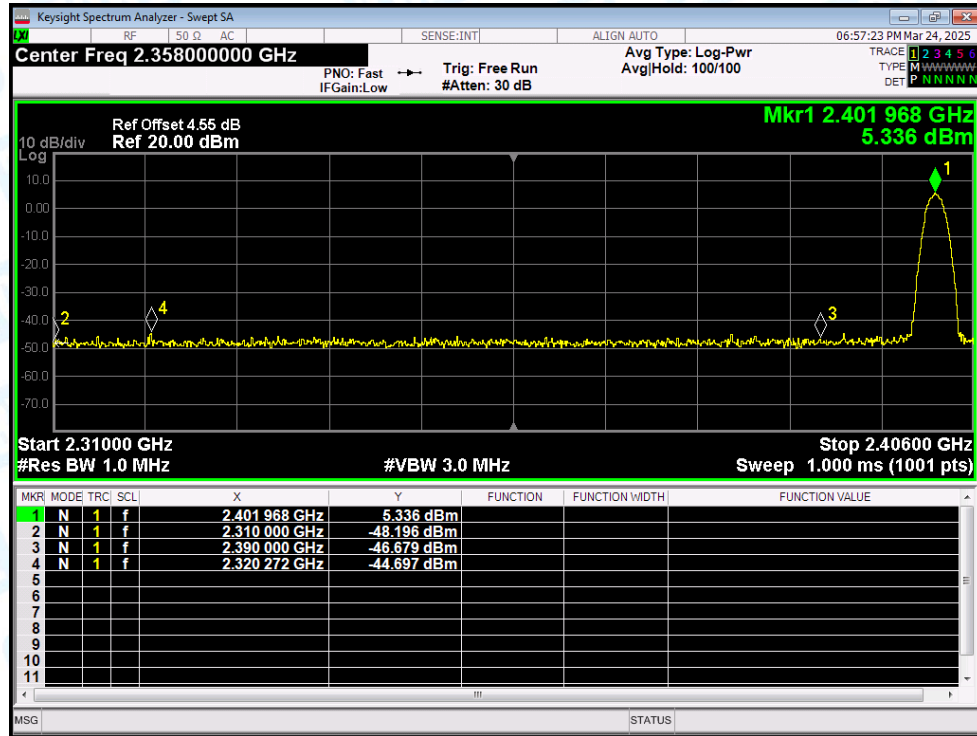
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Peak



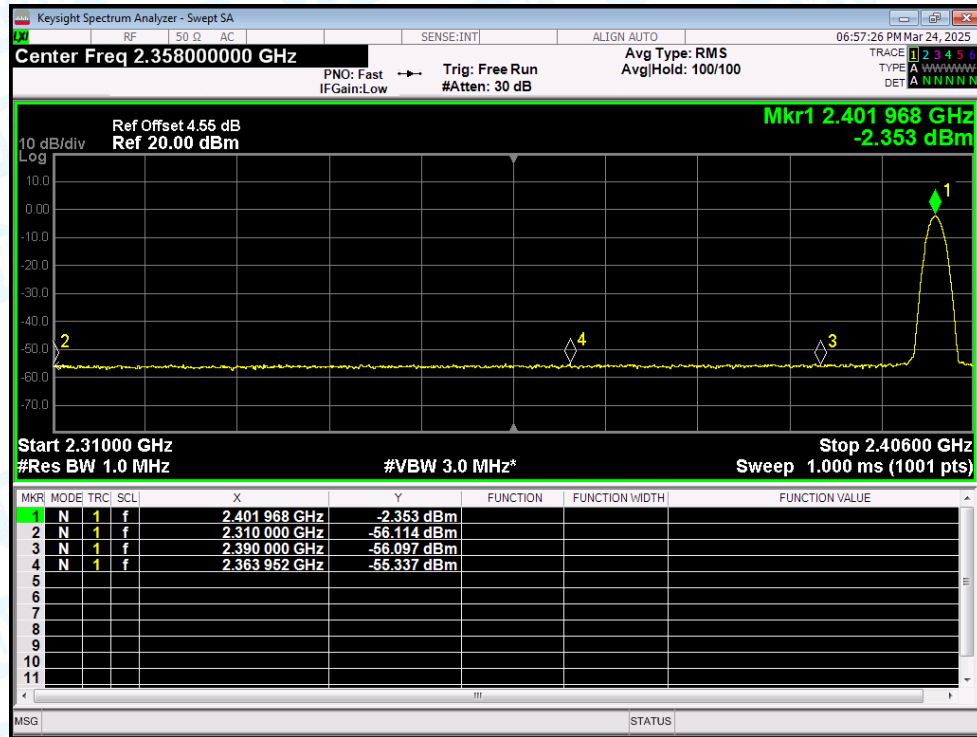
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Average



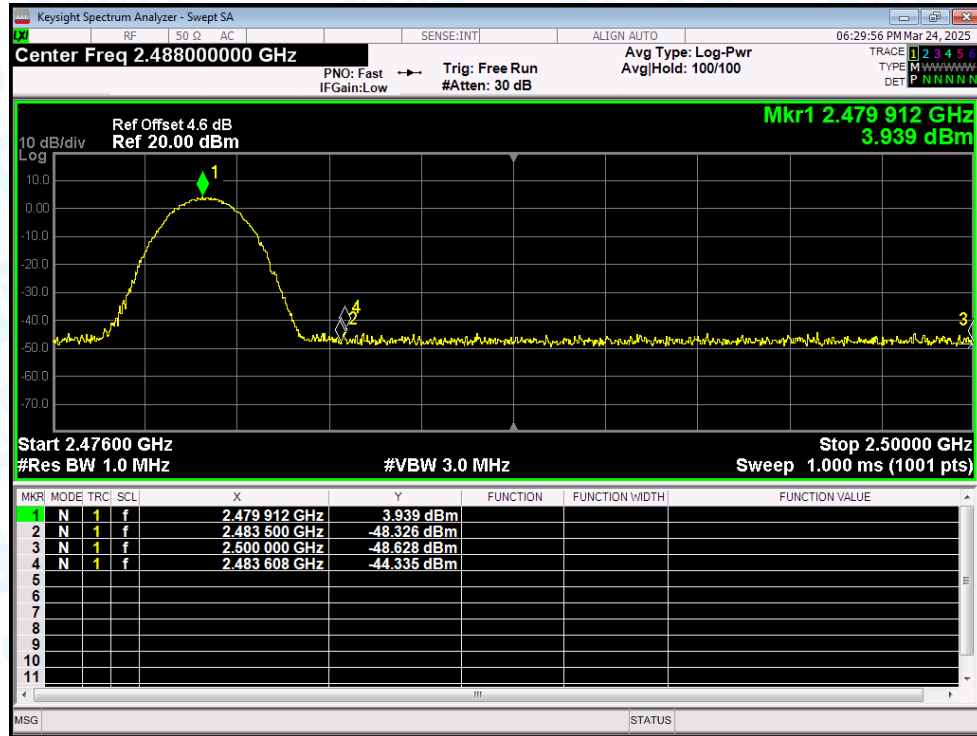
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Peak



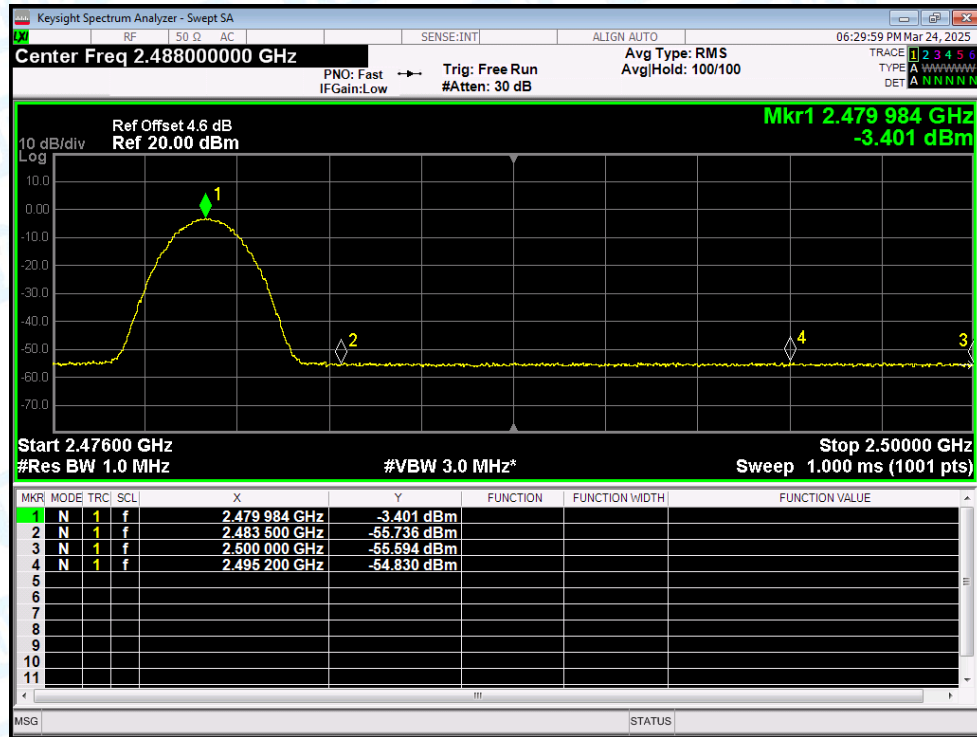
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Average



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



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

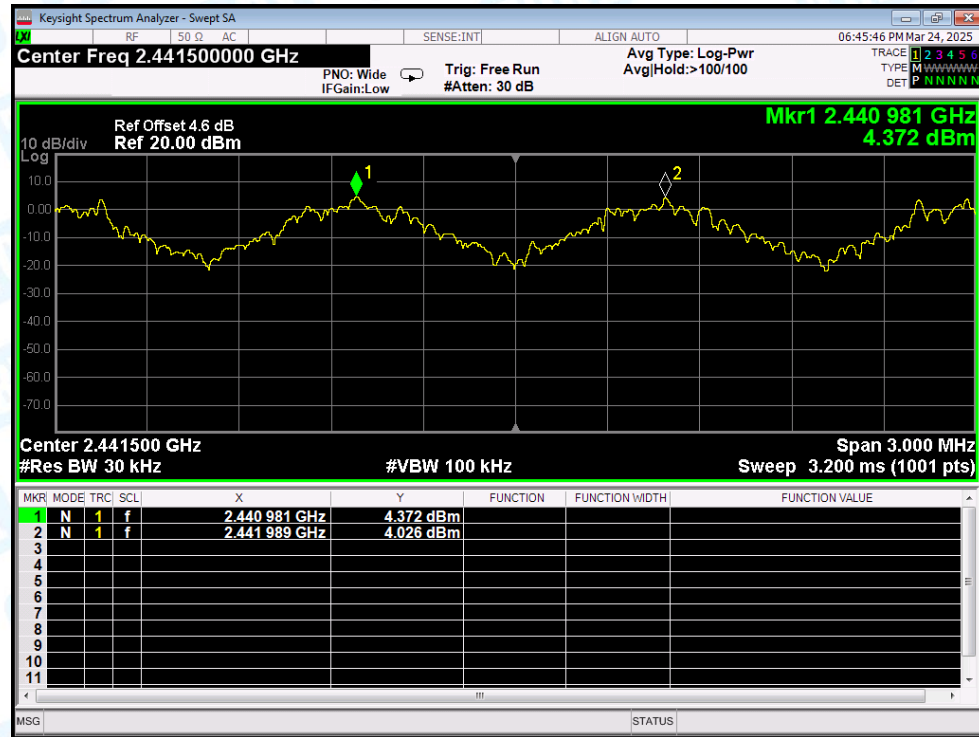


## 9. Carrier Frequencies Separation

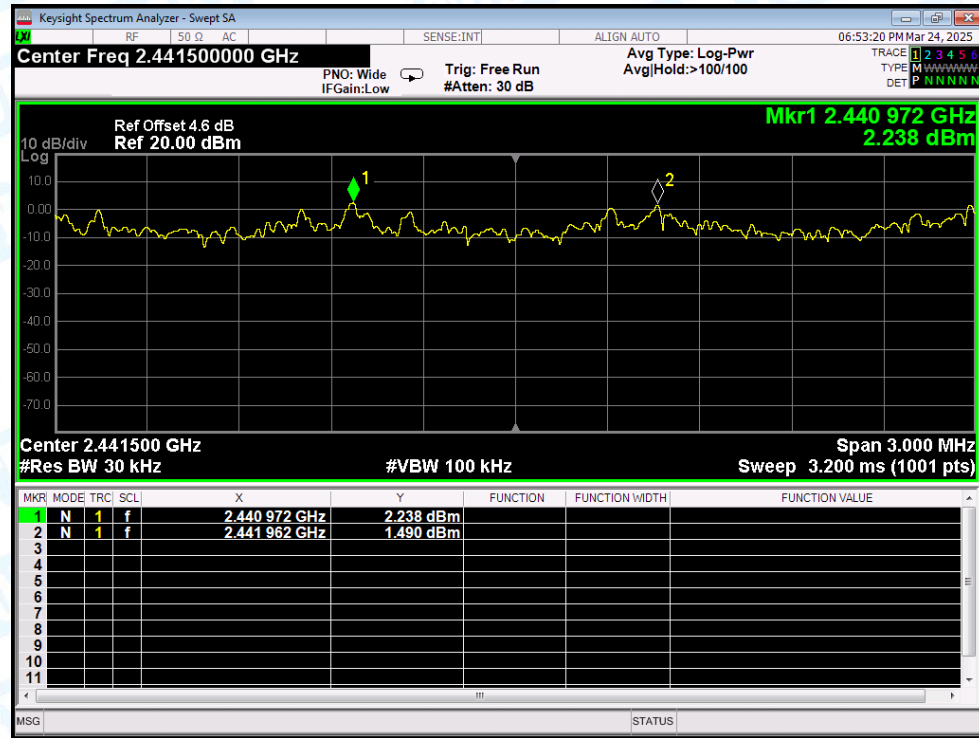
| Condition | Mode  | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|-----------|-------|---------|---------------------|---------------------|-----------|-------------|---------|
| NVNT      | 1-DH1 | Ant1    | 2440.981            | 2441.989            | 1.008     | 0.613       | Pass    |
| NVNT      | 2-DH1 | Ant1    | 2440.972            | 2441.962            | 0.99      | 0.827       | Pass    |
| NVNT      | 3-DH1 | Ant1    | 2440.978            | 2441.965            | 0.987     | 0.807       | Pass    |

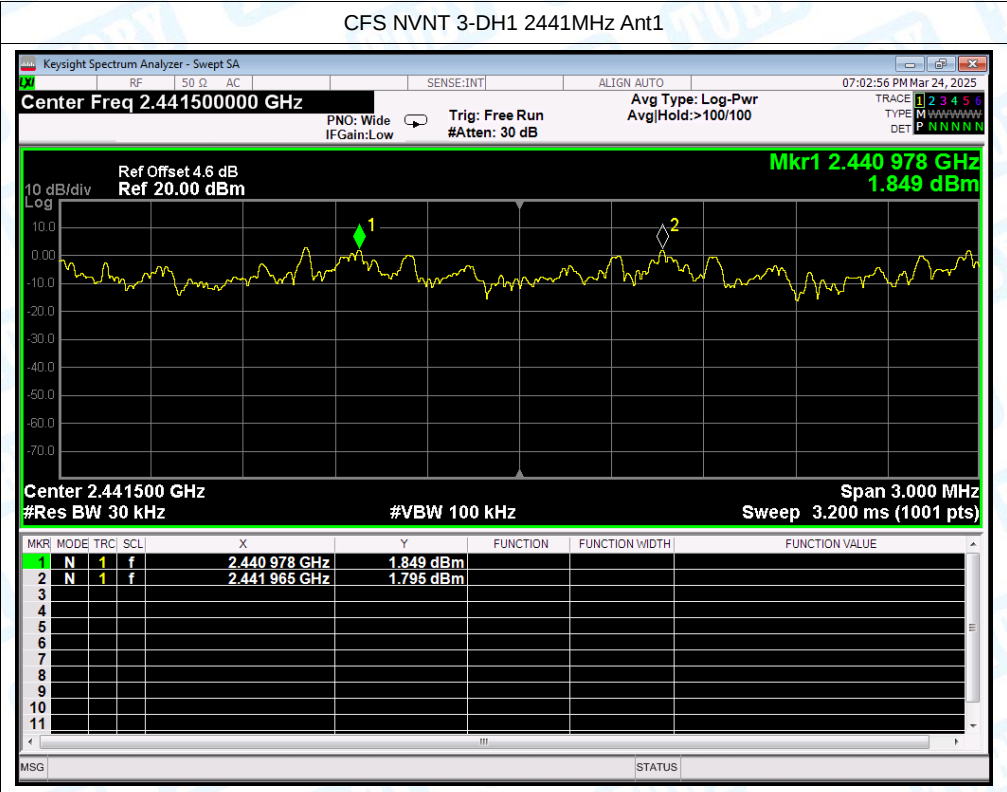
### Test Graphs

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



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



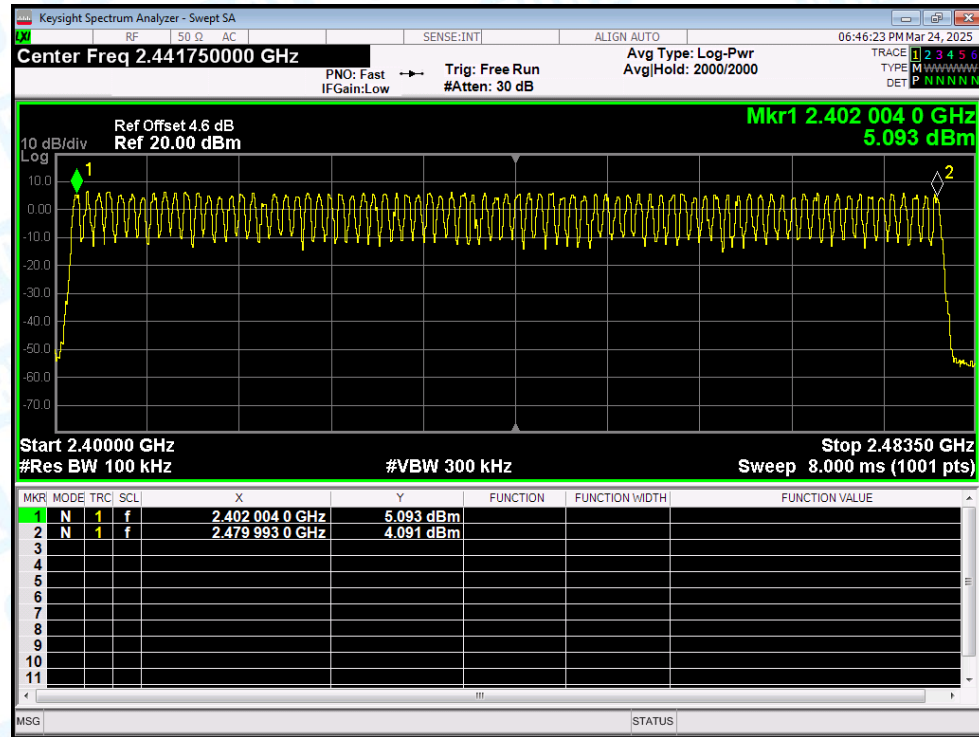


## 10. Number of Hopping Channel

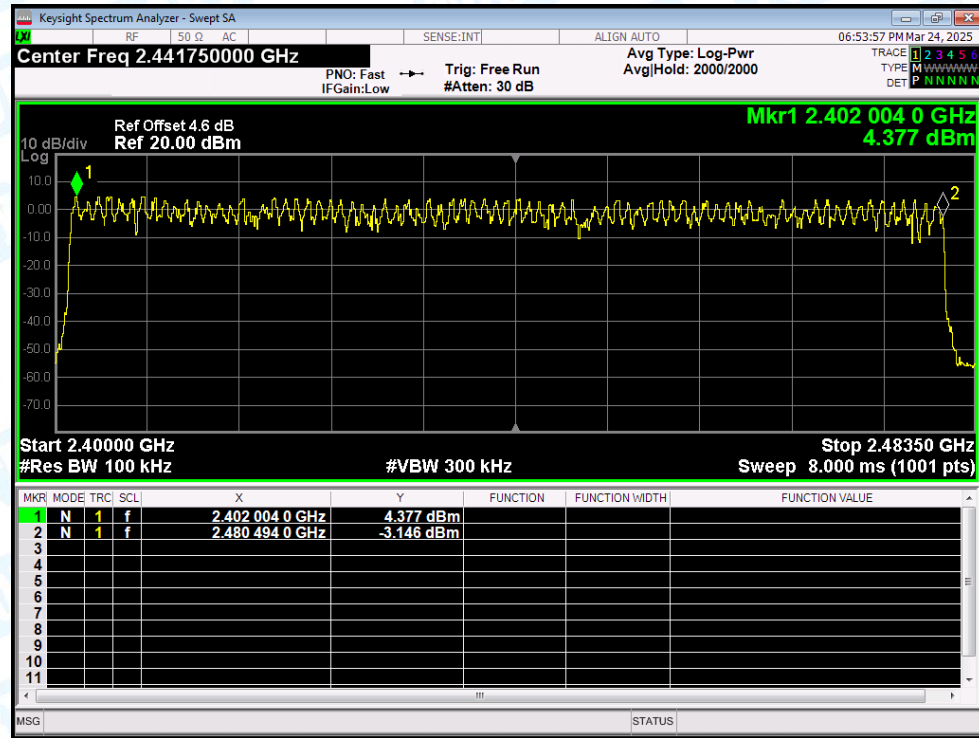
| Condition | Mode  | Antenna | Hopping Number | Limit | Verdict |
|-----------|-------|---------|----------------|-------|---------|
| NVNT      | 1-DH1 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 2-DH1 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 3-DH1 | Ant1    | 79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

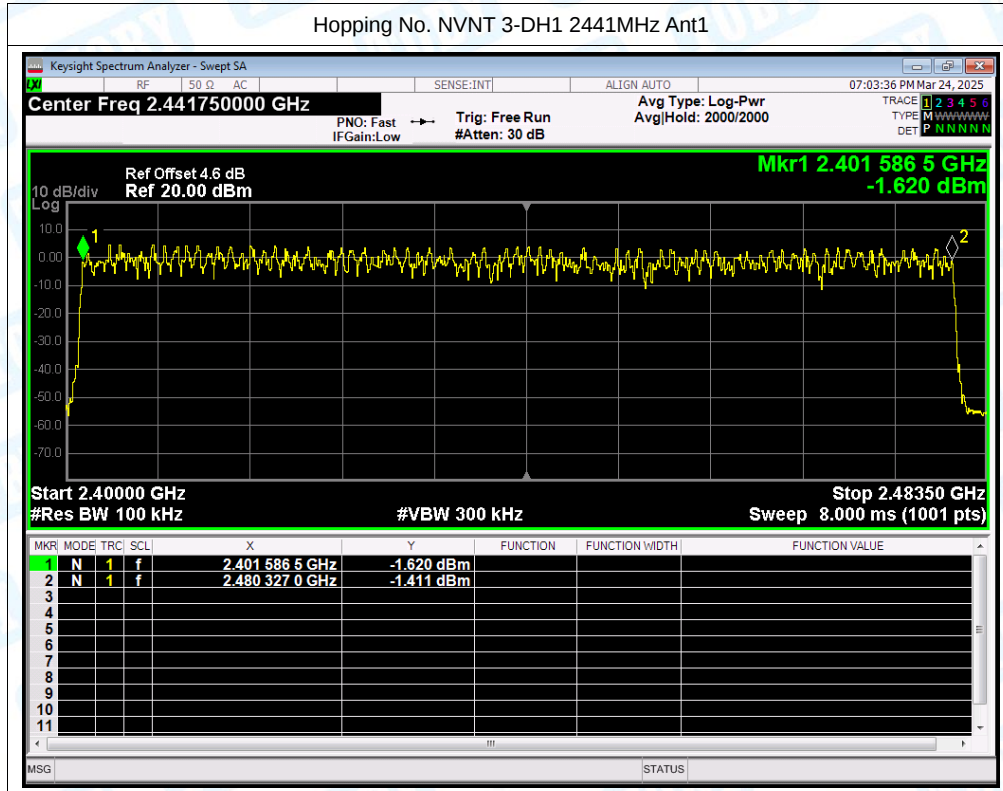
### Test Graphs

Hopping No. NVNT 1-DH1 2441MHz Ant1



Hopping No. NVNT 2-DH1 2441MHz Ant1



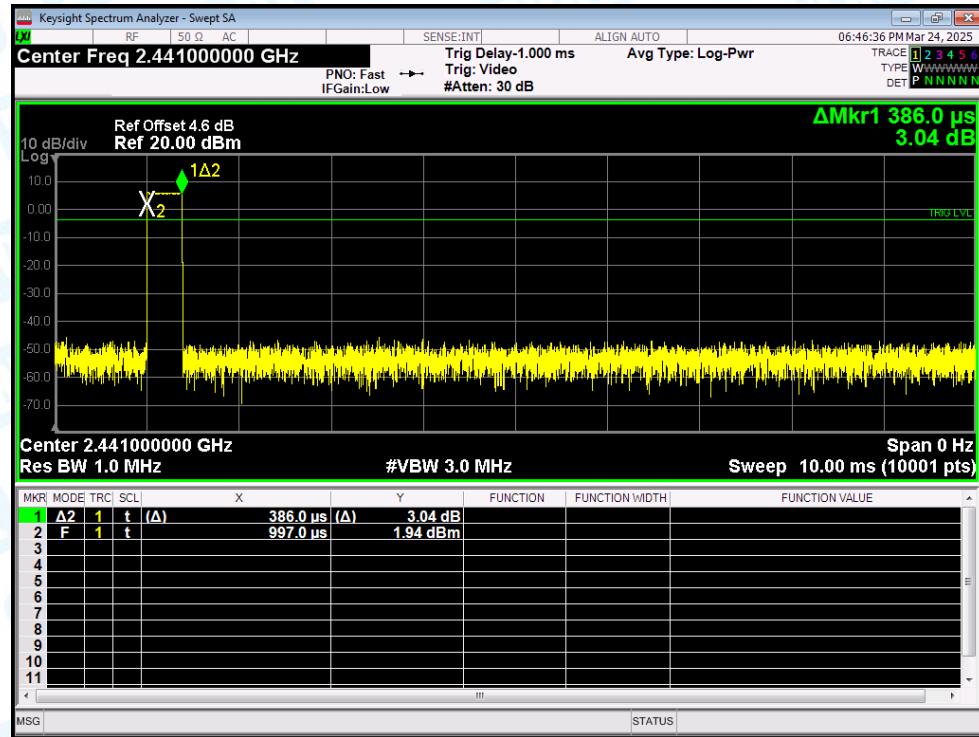


## 11. Dwell Time

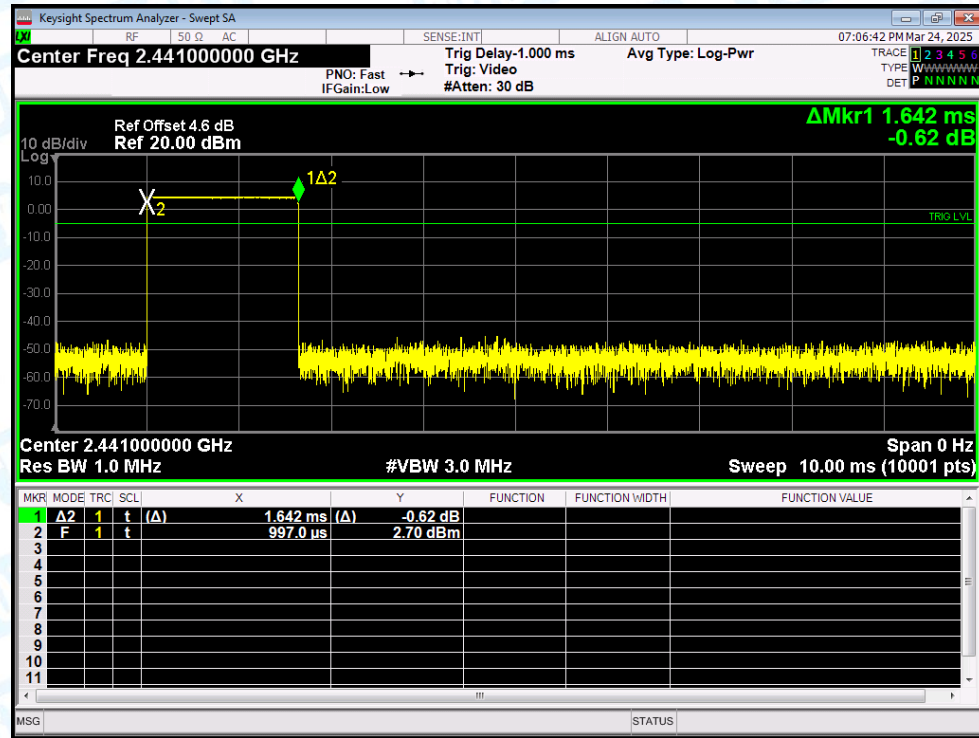
| Condition | Mode  | Frequency (MHz) | Antenna | Pulse Time (ms) | Total Dwell Time (ms) | Period Time (ms) | Limit (ms) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-----------------------|------------------|------------|---------|
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.386           | 123.52                | 31600            | 400        | Pass    |
| NVNT      | 1-DH3 | 2441            | Ant1    | 1.642           | 262.72                | 31600            | 400        | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 2.89            | 308.267               | 31600            | 400        | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 0.395           | 126.4                 | 31600            | 400        | Pass    |
| NVNT      | 2-DH3 | 2441            | Ant1    | 1.647           | 263.52                | 31600            | 400        | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | 2.894           | 308.693               | 31600            | 400        | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 0.394           | 126.08                | 31600            | 400        | Pass    |
| NVNT      | 3-DH3 | 2441            | Ant1    | 1.645           | 263.2                 | 31600            | 400        | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 2.896           | 308.907               | 31600            | 400        | Pass    |

### Test Graphs

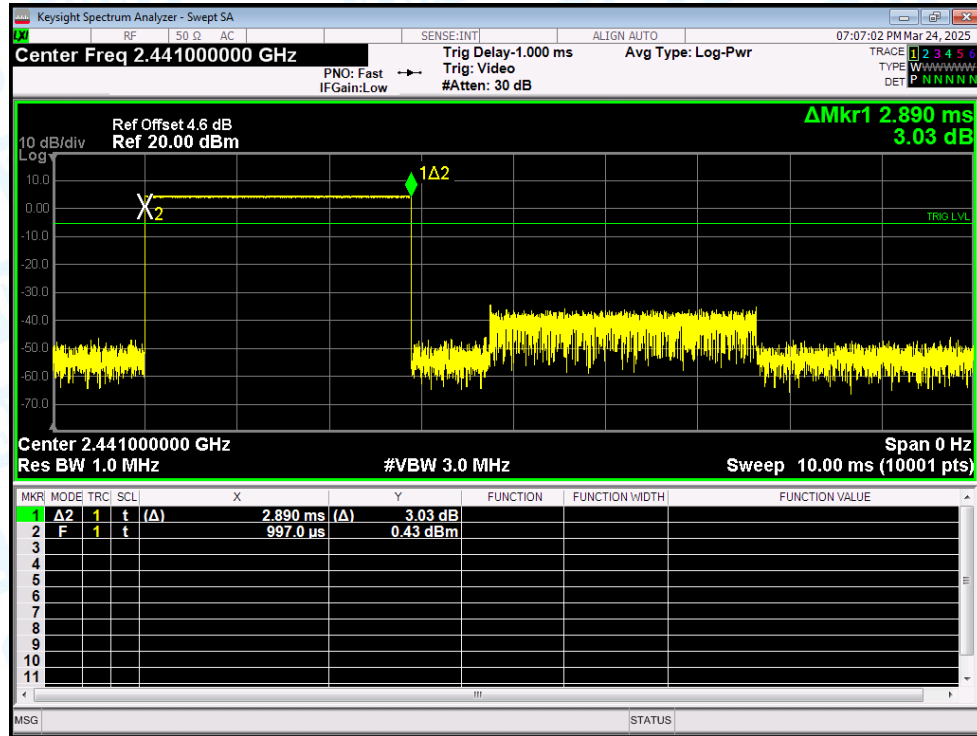
#### Dwell NVNT 1-DH1 2441MHz Ant1



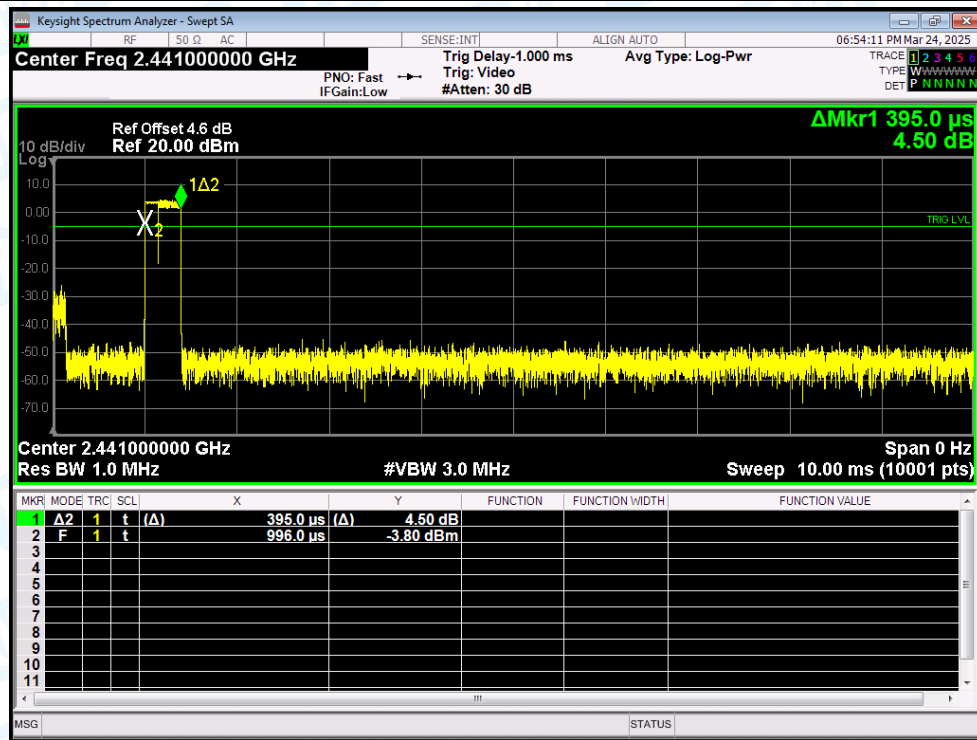
#### Dwell NVNT 1-DH3 2441MHz Ant1



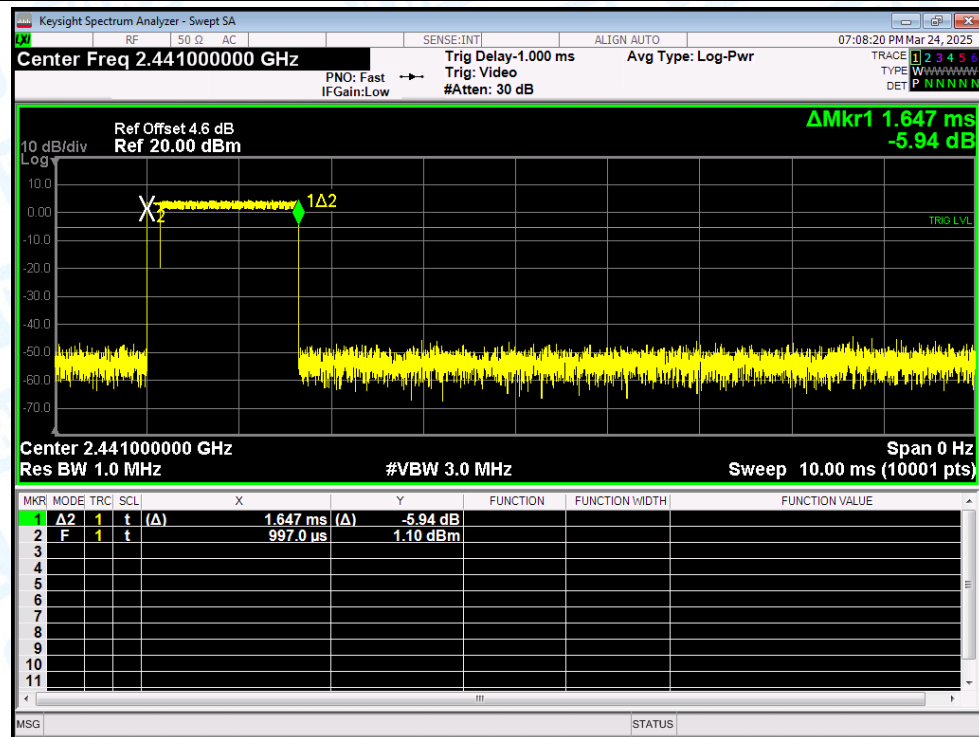
Dwell NVNT 1-DH5 2441MHz Ant1



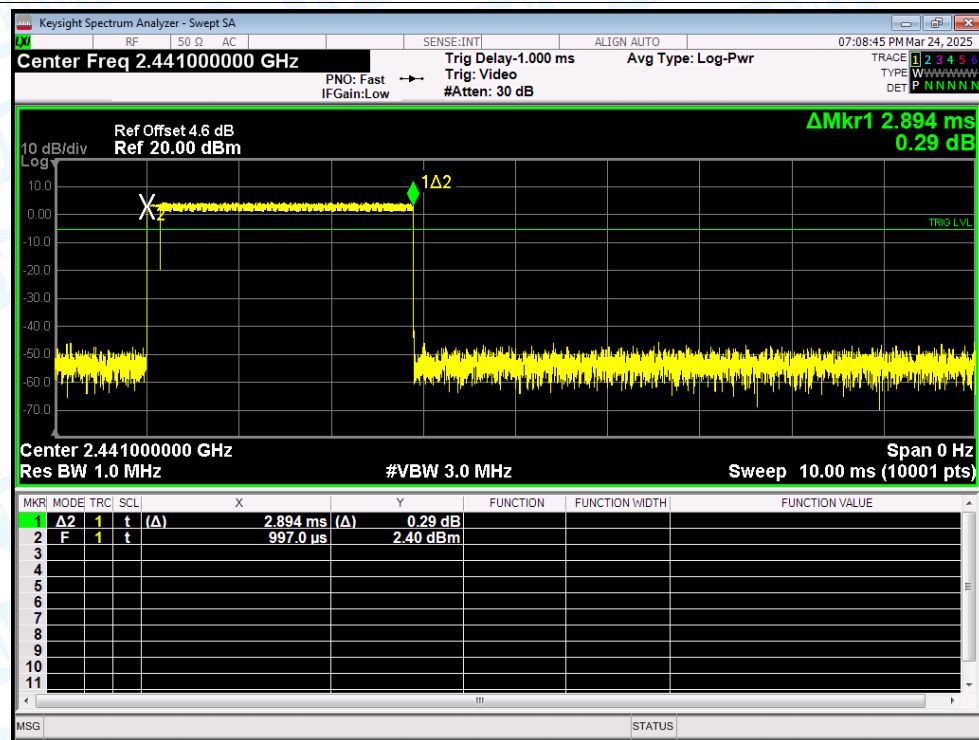
Dwell NVNT 2-DH1 2441MHz Ant1



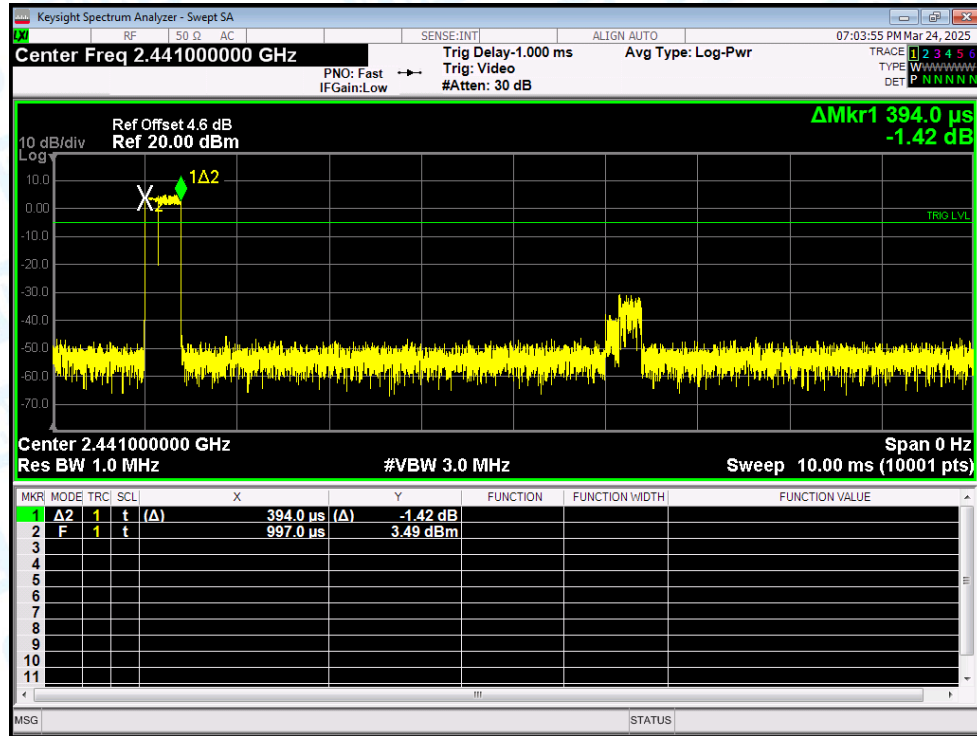
Dwell NVNT 2-DH3 2441MHz Ant1



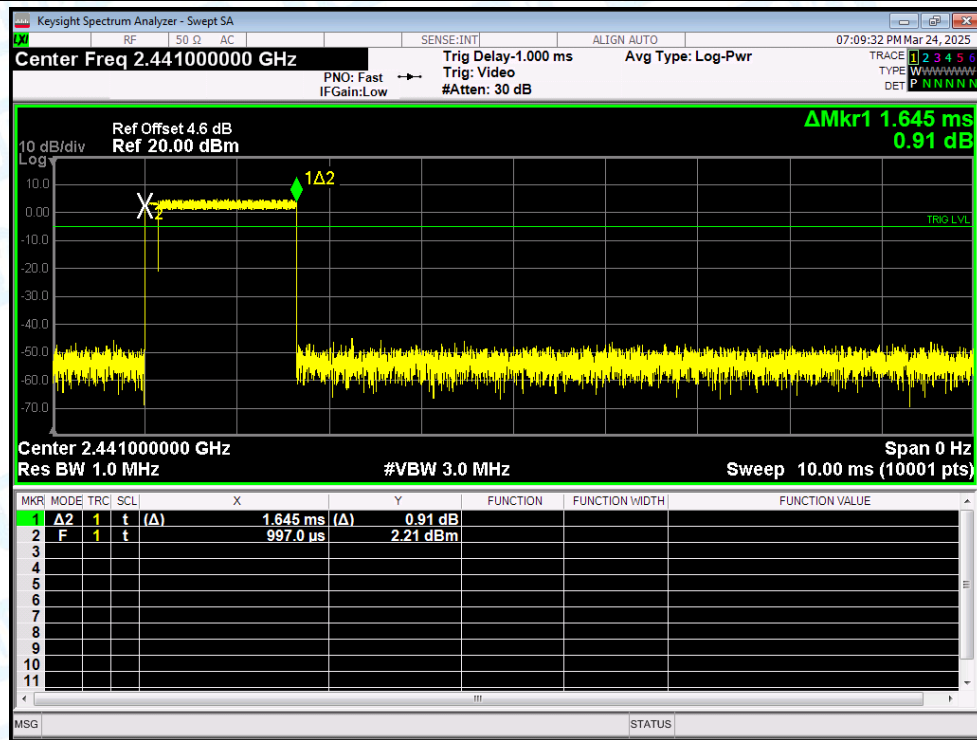
Dwell NVNT 2-DH5 2441MHz Ant1

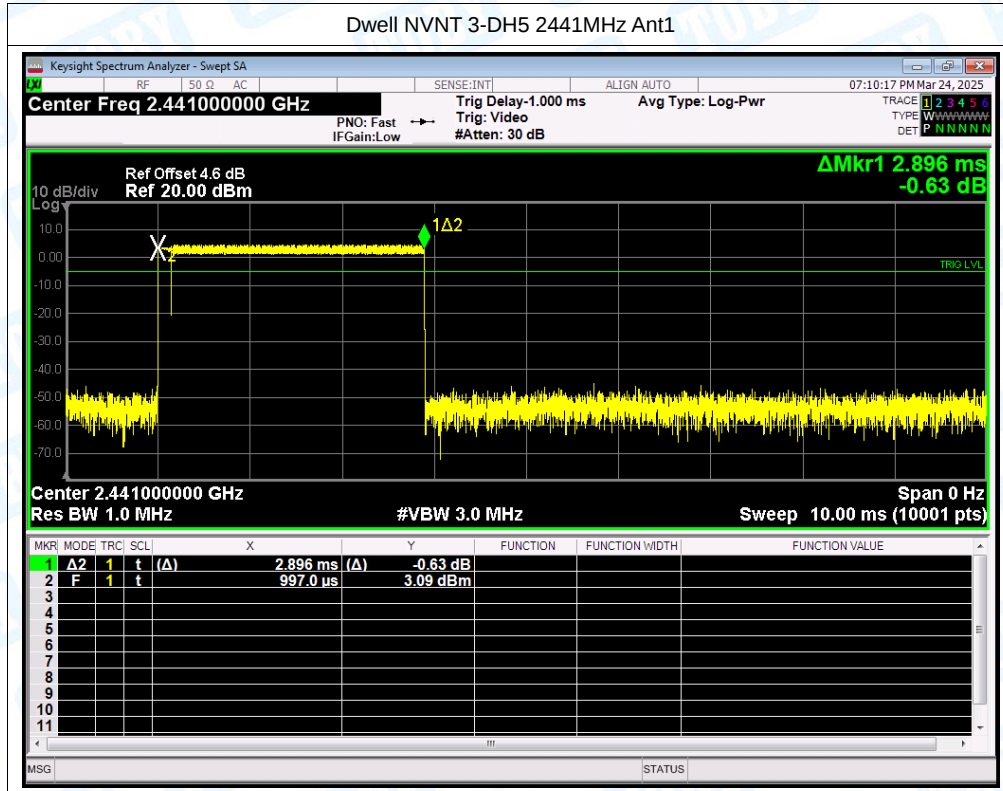


Dwell NVNT 3-DH1 2441MHz Ant1



Dwell NVNT 3-DH3 2441MHz Ant1





--- END OF REPORT ---