

# RF Test Data for Bluetooth (Conducted Measurements)

| General Description of EUT                                                                                                                   |                        |
|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Product Name:                                                                                                                                | Smart Watch            |
| Test Model:                                                                                                                                  | KC91                   |
| Sample ID:                                                                                                                                   | HC-C-202503-0187-01-01 |
| Environmental Conditions                                                                                                                     |                        |
| Temperature:                                                                                                                                 | 24℃                    |
| Relative Humidity:                                                                                                                           | 51%RH                  |
| Test Voltage:                                                                                                                                | DC 3.8V                |
| Test Engineer:                                                                                                                               | Lily                   |
| Note: For a more detailed features description, please refer to the report TBR-C-202503-0187-16<br>The report only show the worst case data. |                        |

## Contents

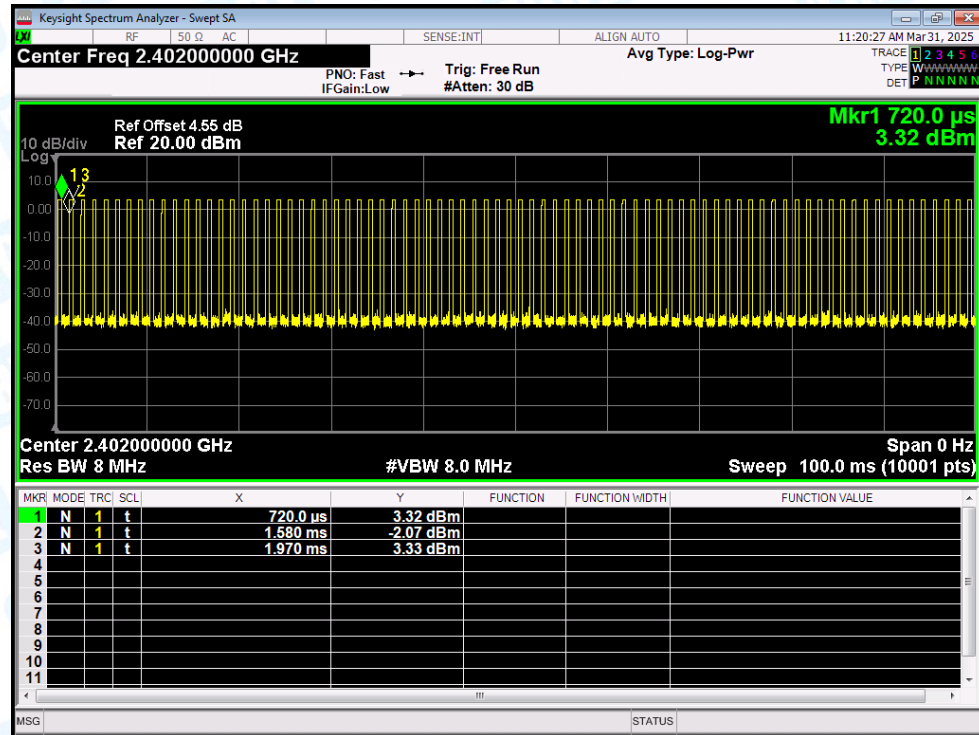
|     |                                      |    |
|-----|--------------------------------------|----|
| 1.  | Duty Cycle .....                     | 3  |
| 2.  | Maximum Conducted Output Power ..... | 9  |
| 3.  | -20dB Bandwidth .....                | 15 |
| 4.  | Occupied Channel Bandwidth .....     | 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

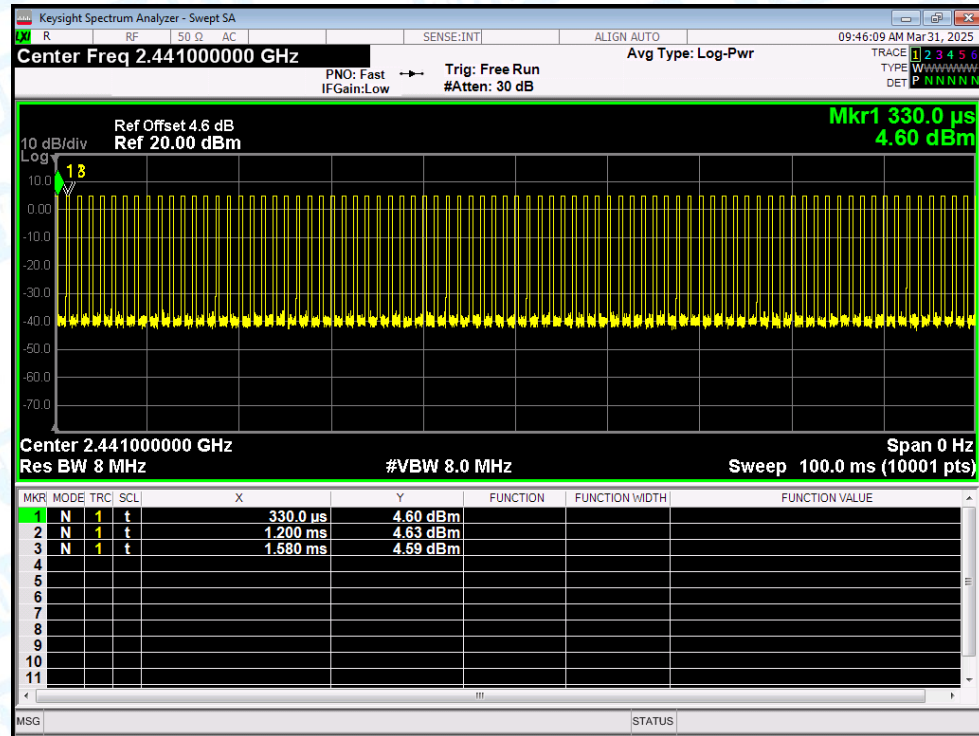
| Condition | Mode  | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|-------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 31.2           | 5.06                   | 2.56      |
| NVNT      | 1-DH1 | 2441            | Ant1    | 30.4           | 5.17                   | 2.63      |
| NVNT      | 1-DH1 | 2480            | Ant1    | 30.4           | 5.17                   | 2.63      |
| NVNT      | 2-DH1 | 2402            | Ant1    | 31.2           | 5.06                   | 2.56      |
| NVNT      | 2-DH1 | 2441            | Ant1    | 31.2           | 5.06                   | 2.56      |
| NVNT      | 2-DH1 | 2480            | Ant1    | 31.2           | 5.06                   | 2.56      |
| NVNT      | 3-DH1 | 2402            | Ant1    | 32             | 4.95                   | 2.5       |
| NVNT      | 3-DH1 | 2441            | Ant1    | 32             | 4.95                   | 2.5       |
| NVNT      | 3-DH1 | 2480            | Ant1    | 32             | 4.95                   | 2.5       |

### Test Graphs

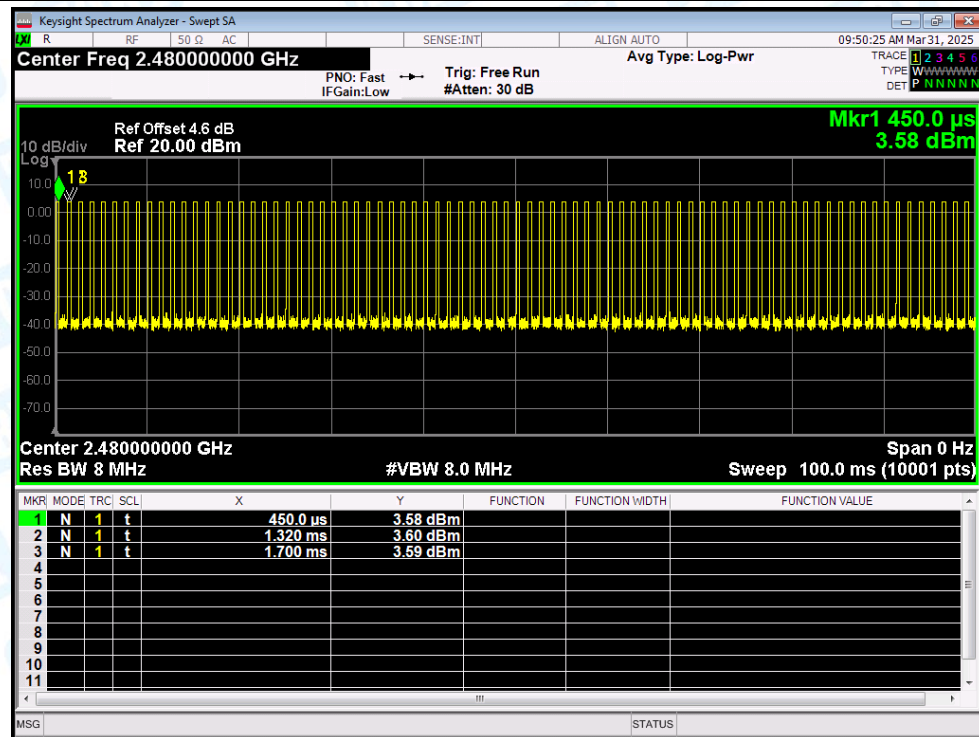
#### Duty Cycle NVNT 1-DH1 2402MHz Ant1



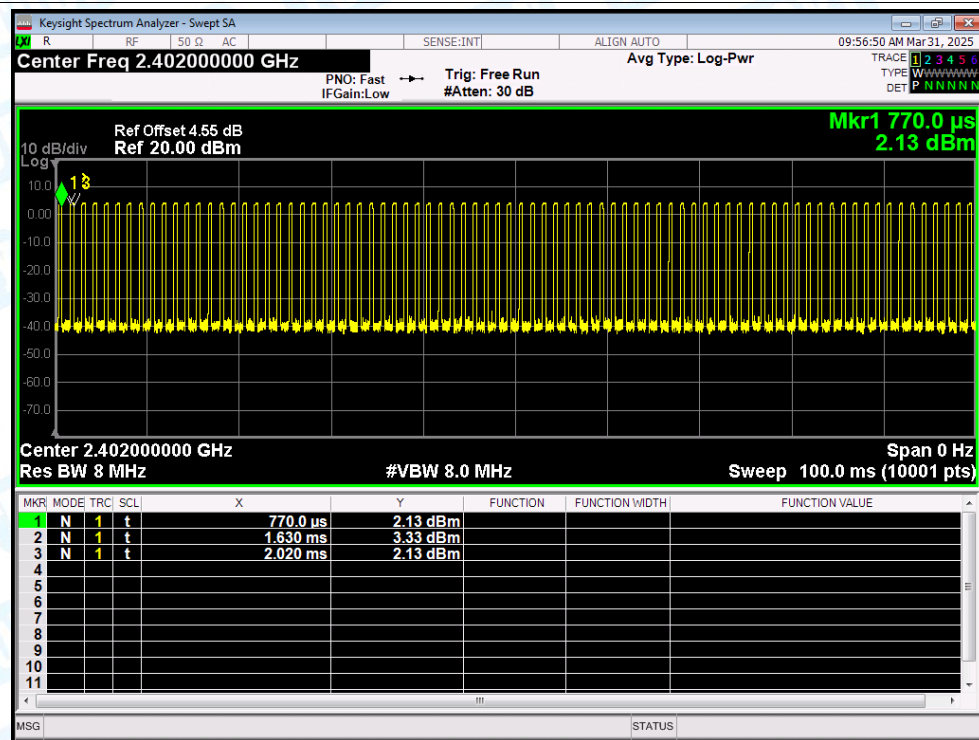
#### Duty Cycle NVNT 1-DH1 2441MHz Ant1



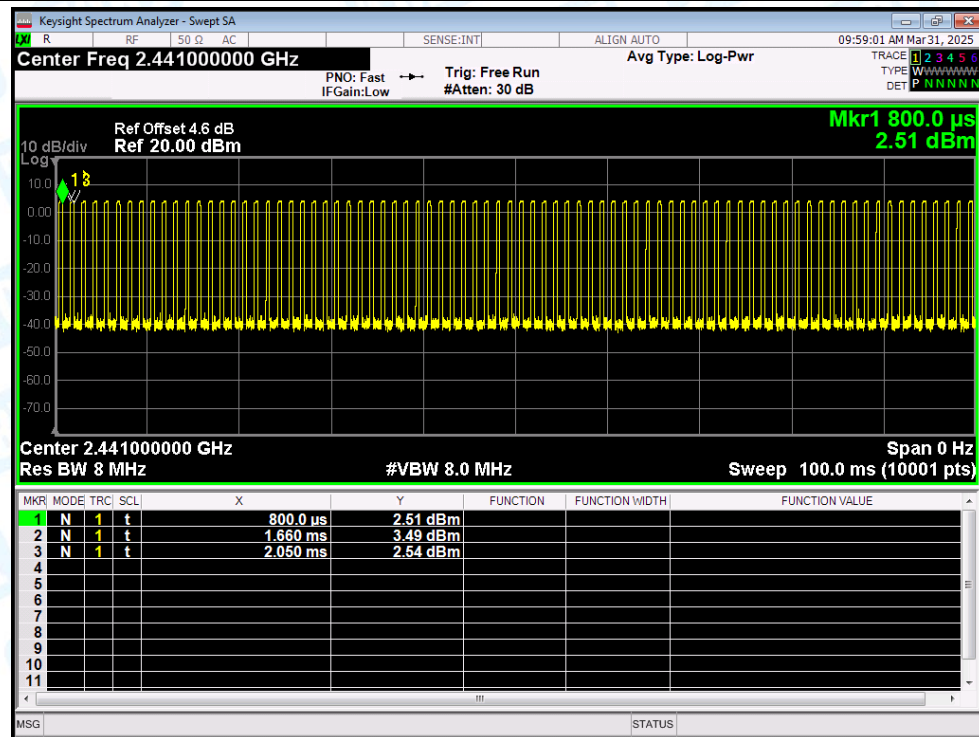
### Duty Cycle NVNT 1-DH1 2480MHz Ant1



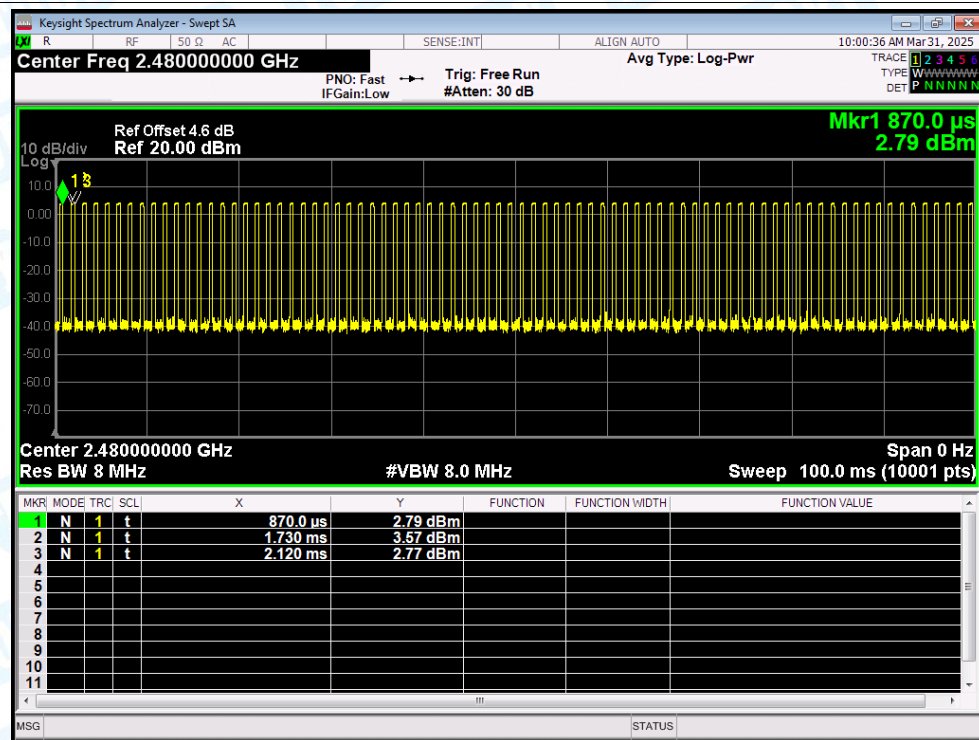
### Duty Cycle NVNT 2-DH1 2402MHz Ant1



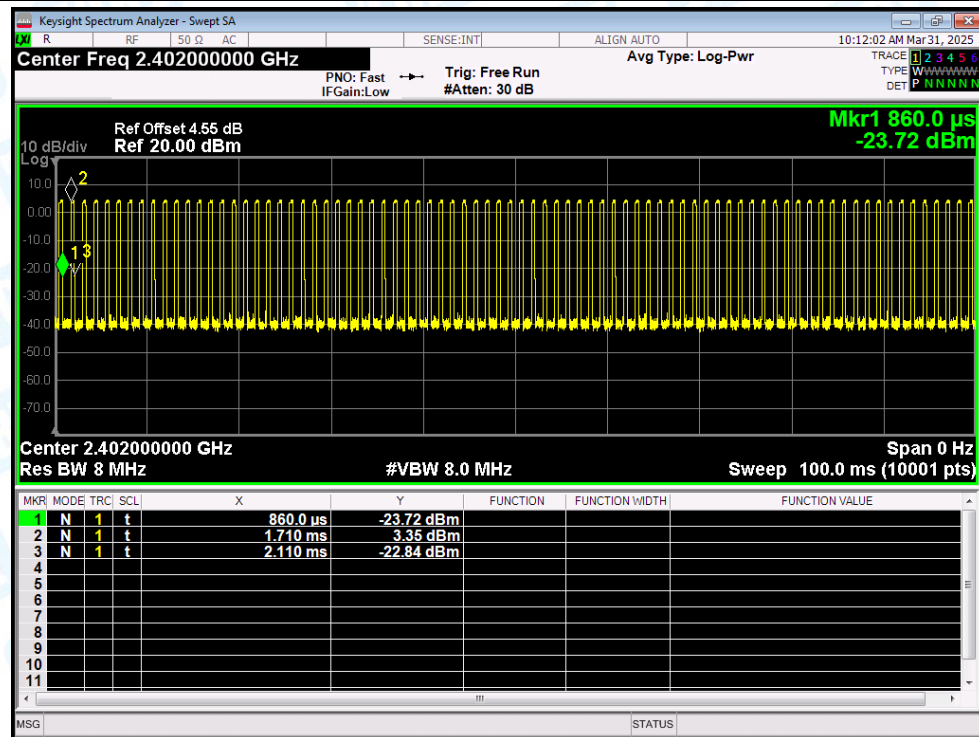
### Duty Cycle NVNT 2-DH1 2441MHz Ant1



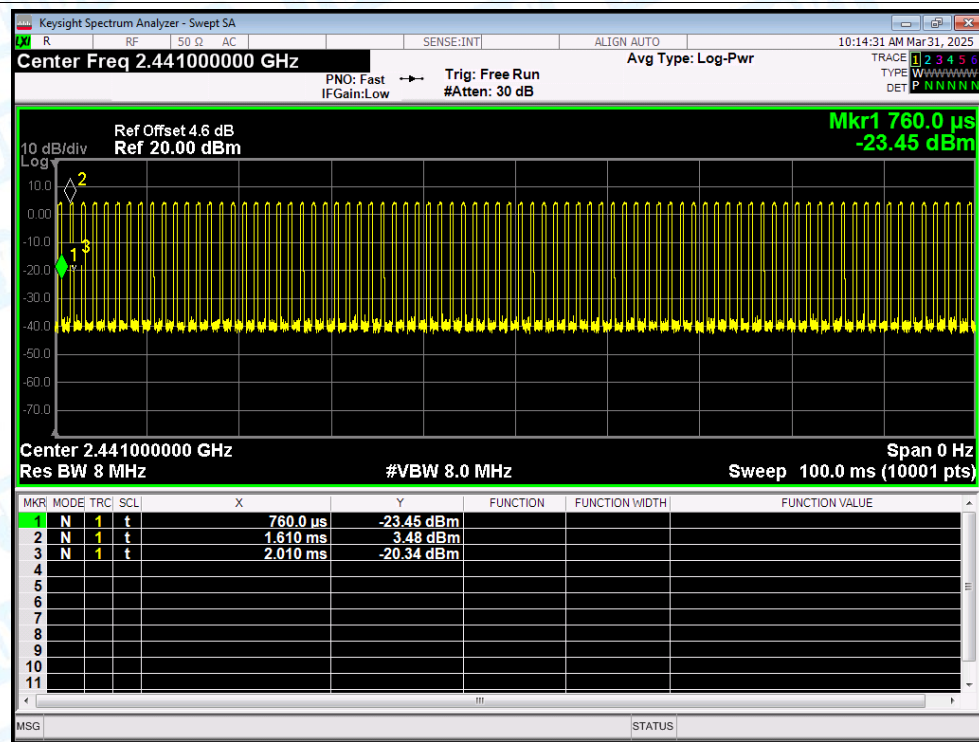
### Duty Cycle NVNT 2-DH1 2480MHz Ant1

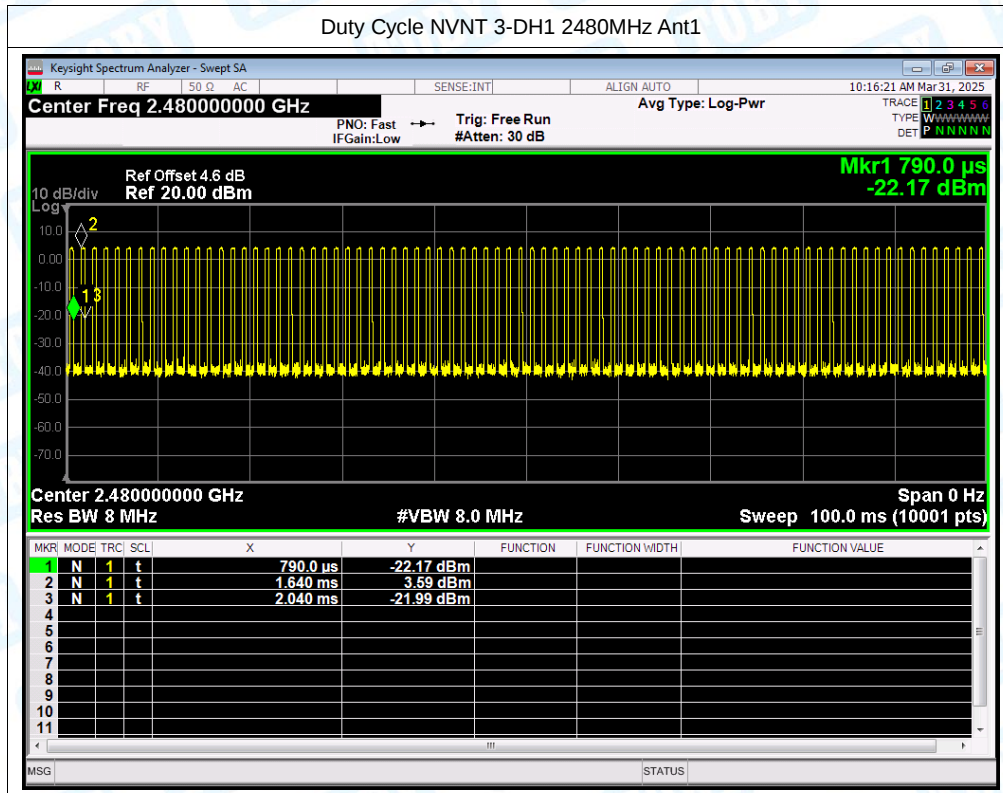


### Duty Cycle NVNT 3-DH1 2402MHz Ant1



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



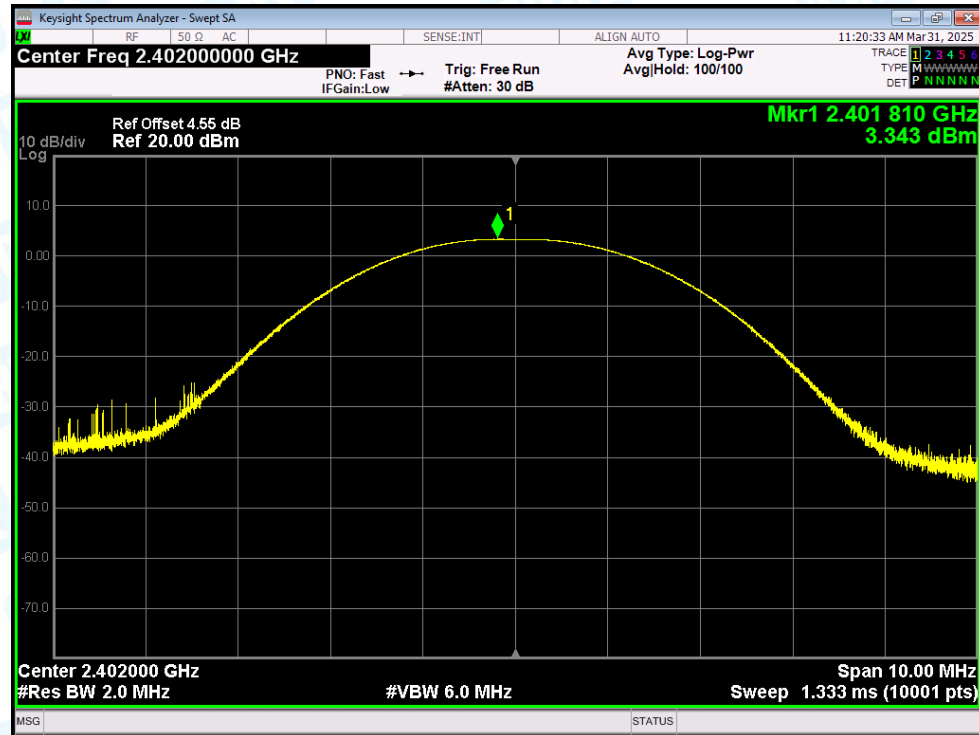


## 2. Maximum Conducted Output Power

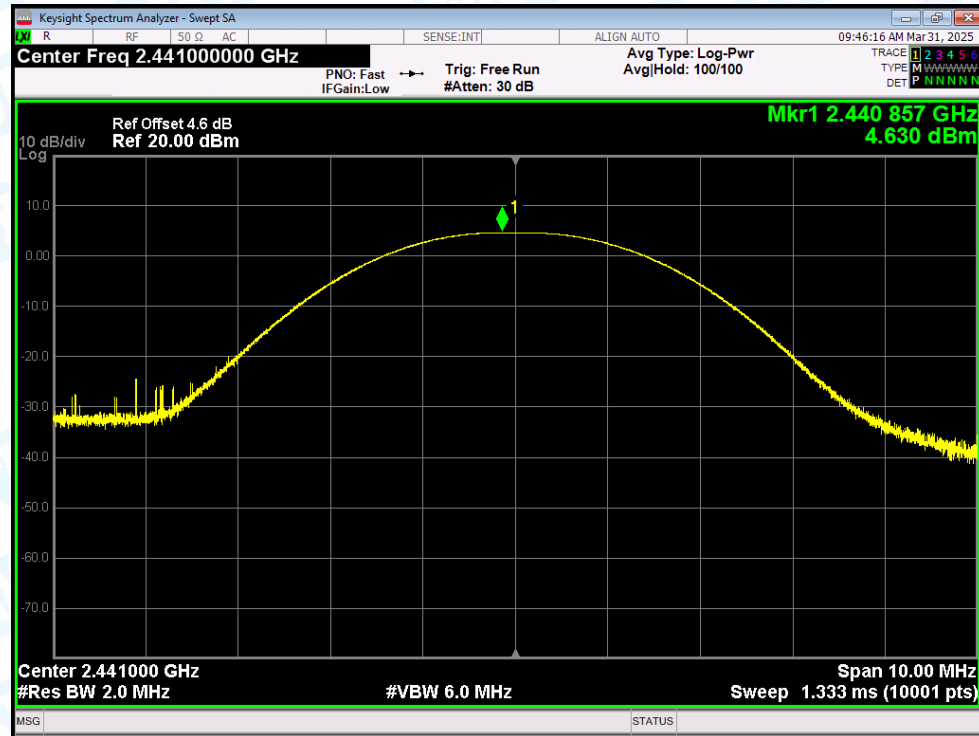
| Condition | Mode  | Frequency (MHz) | Antenna | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|-------|-----------------|---------|-------------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 3.343             | 21          | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | 4.63              | 21          | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | 3.6               | 21          | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | 3.975             | 21          | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 3.962             | 21          | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | 3.959             | 21          | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | 4.42              | 21          | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 4.293             | 21          | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | 4.234             | 21          | Pass    |

### Test Graphs

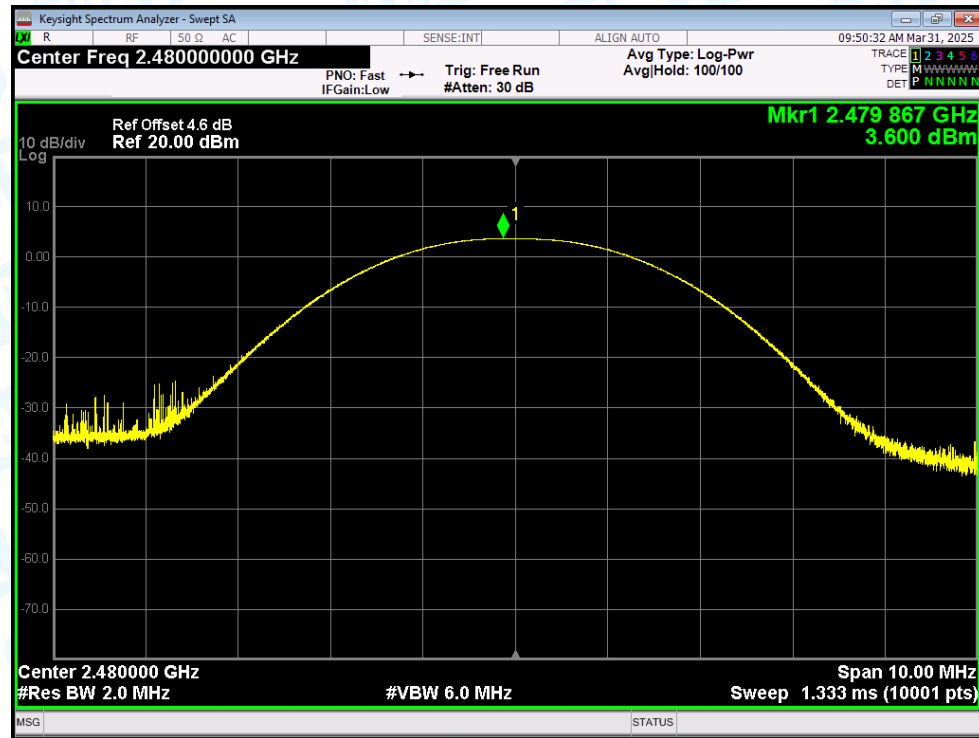
Power NVNT 1-DH1 2402MHz Ant1



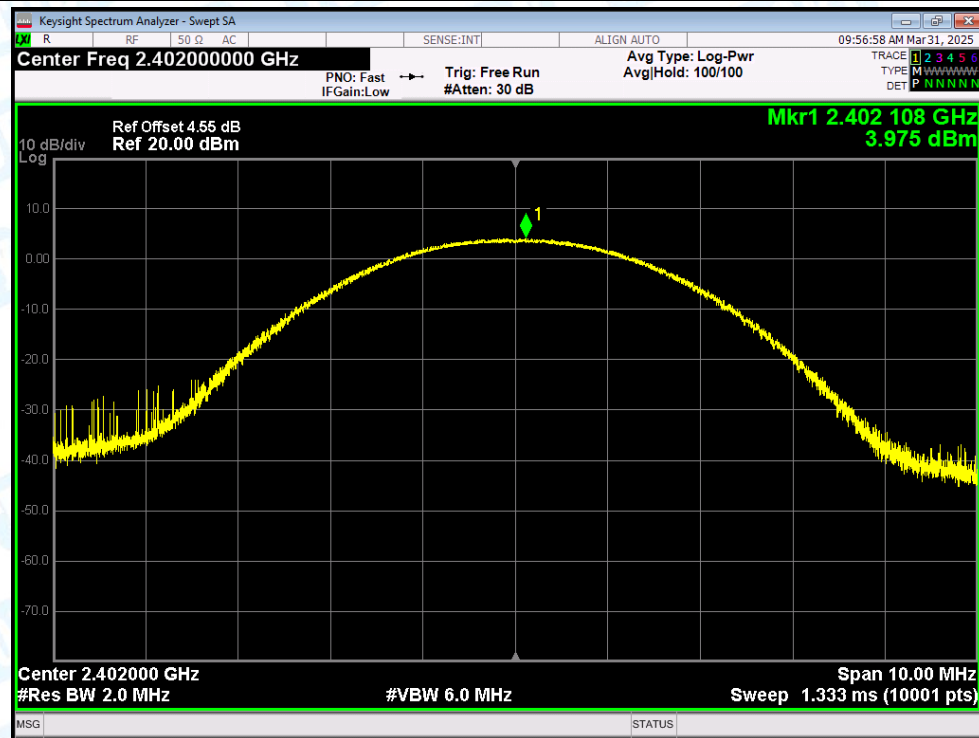
Power NVNT 1-DH1 2441MHz Ant1



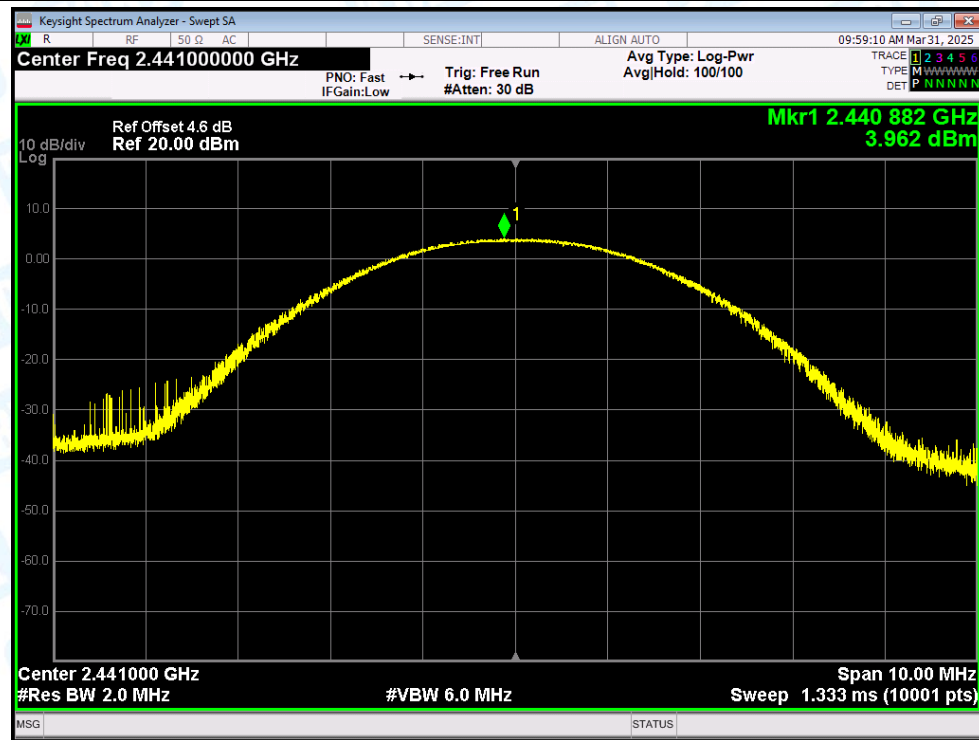
Power NVNT 1-DH1 2480MHz Ant1



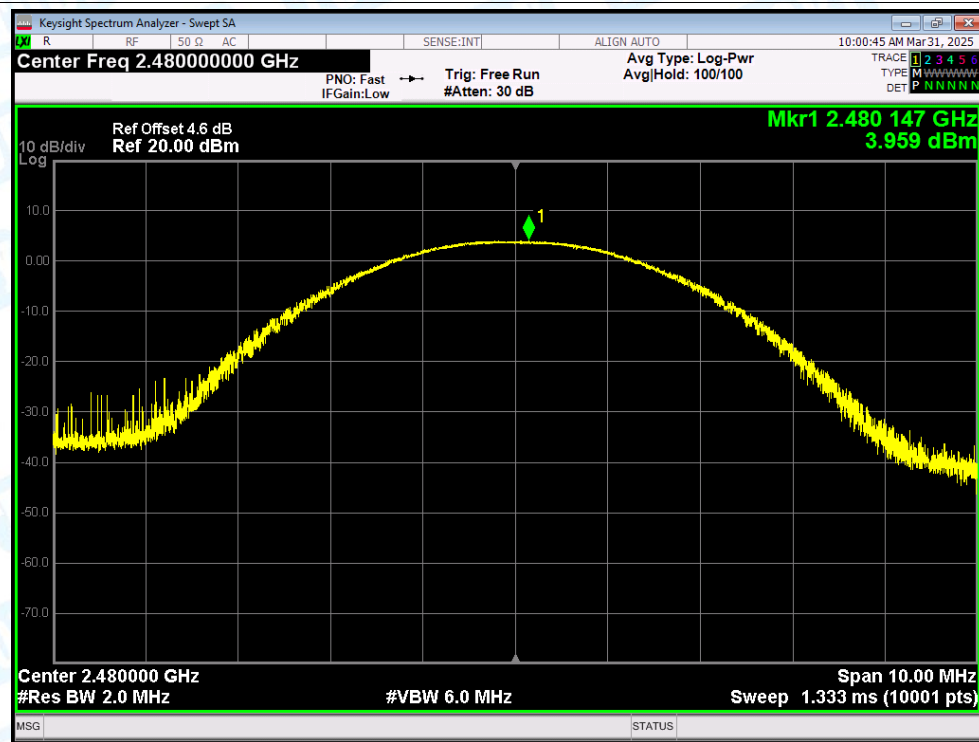
Power NVNT 2-DH1 2402MHz Ant1



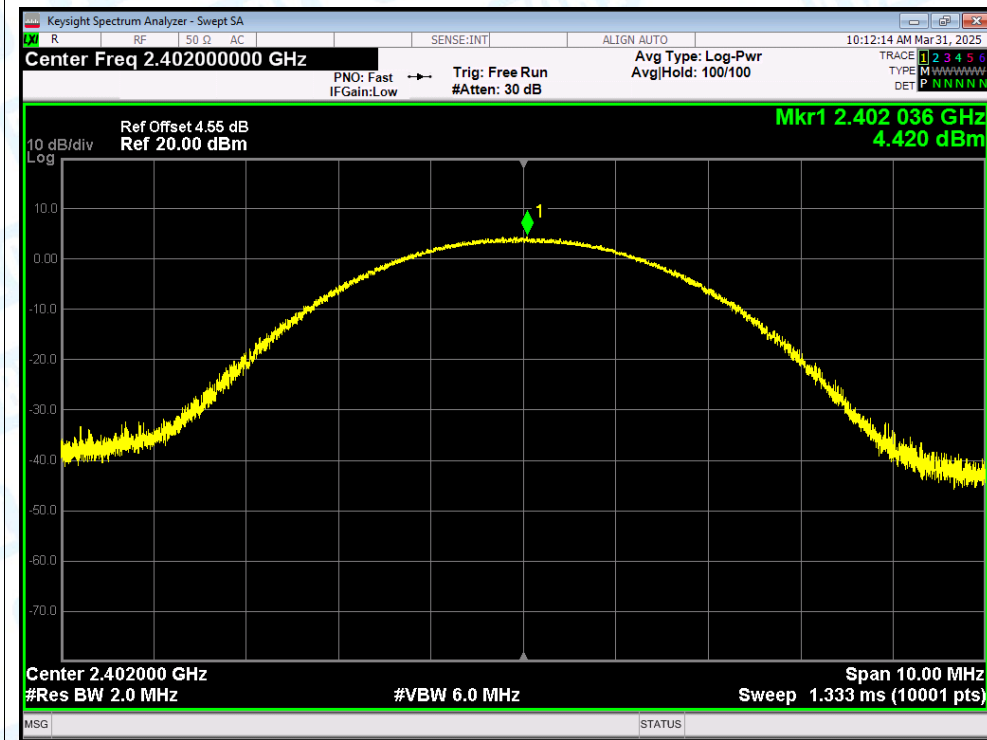
Power NVNT 2-DH1 2441MHz Ant1



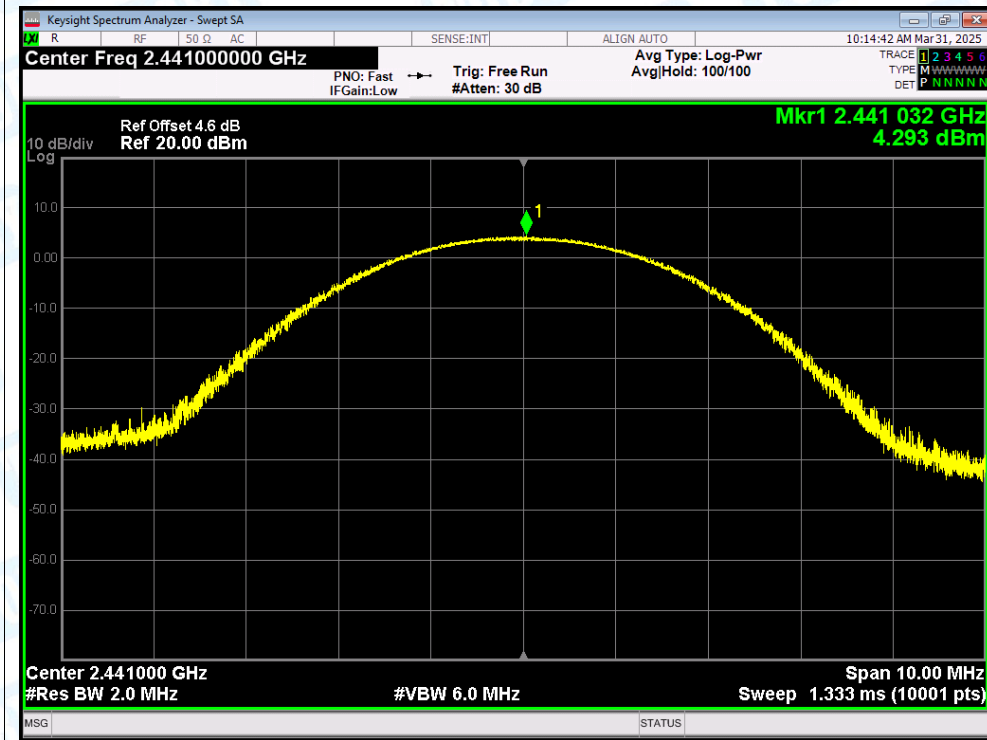
Power NVNT 2-DH1 2480MHz Ant1

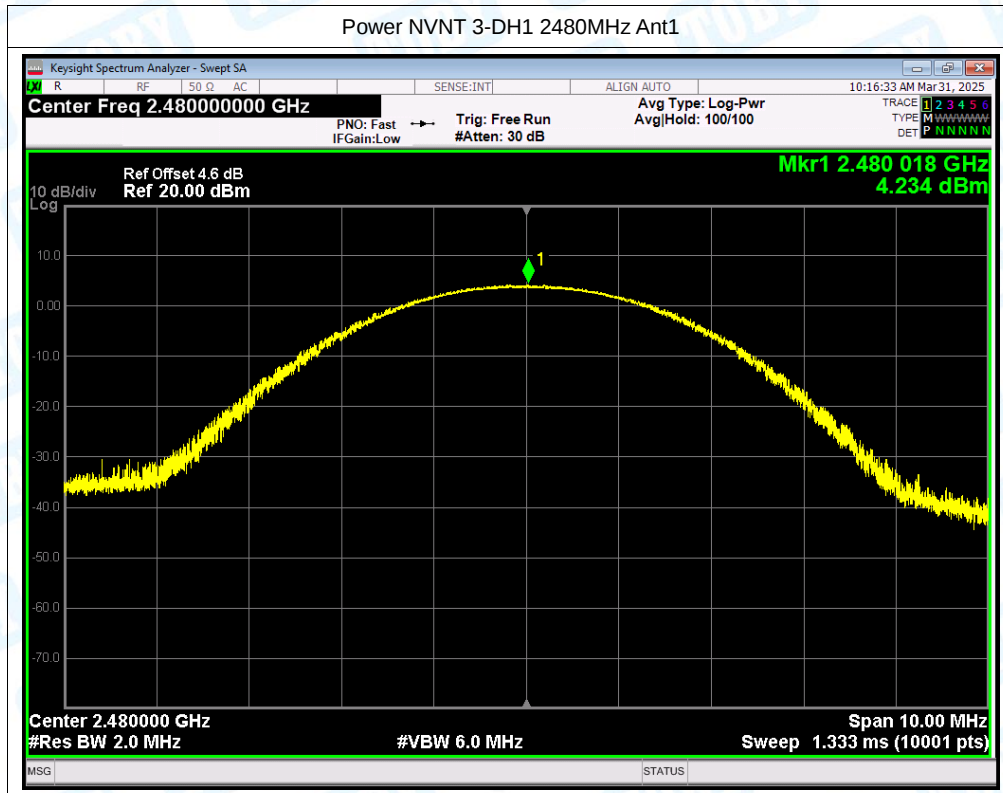


Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1



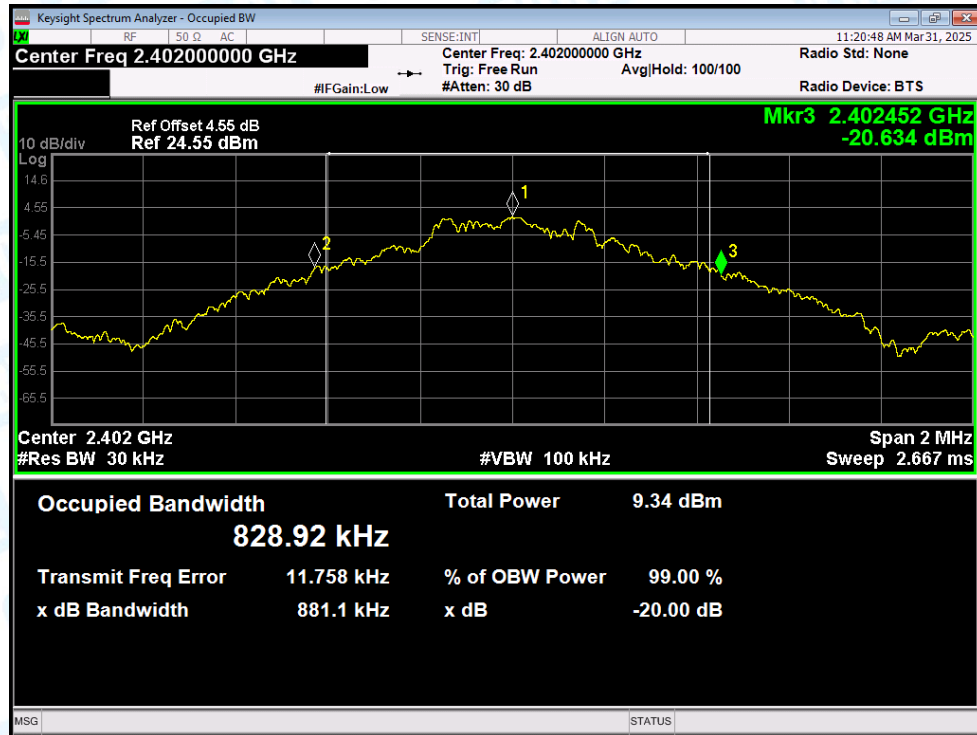


### 3. -20dB Bandwidth

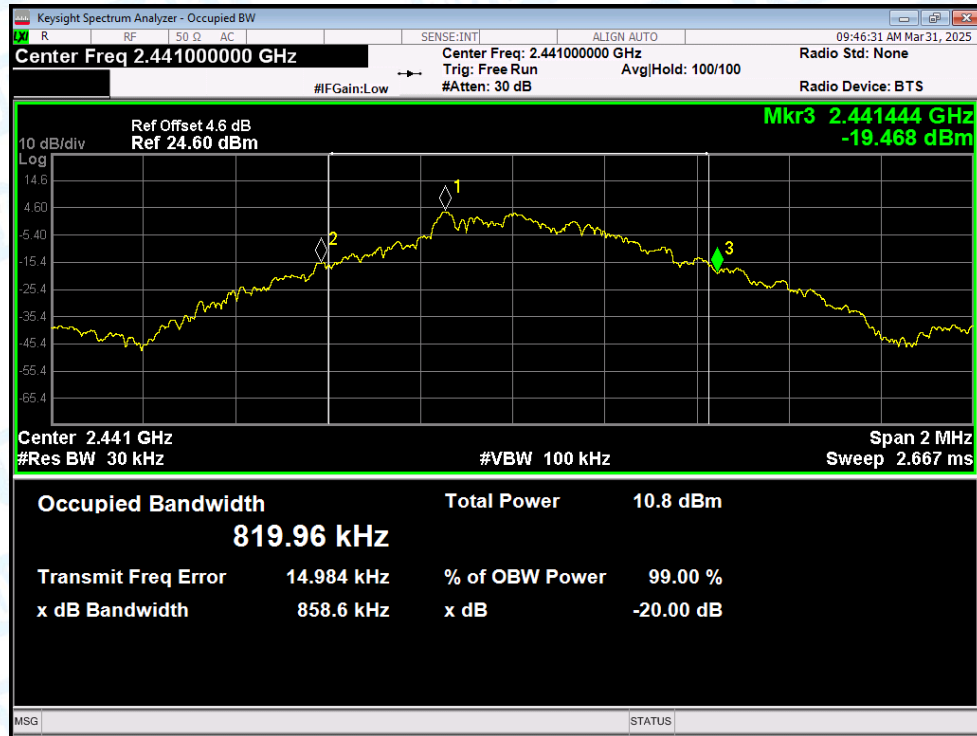
| Condition | Mode  | Frequency (MHz) | Antenna | -20 dB Bandwidth (MHz) | Limit -20 dB Bandwidth (MHz) | Verdict |
|-----------|-------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 0.88                   | 0                            | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.86                   | 0                            | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | 0.86                   | 0                            | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | 1.22                   | 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    | 1.24                   | 0                            | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | 1.22                   | 0                            | Pass    |

### Test Graphs

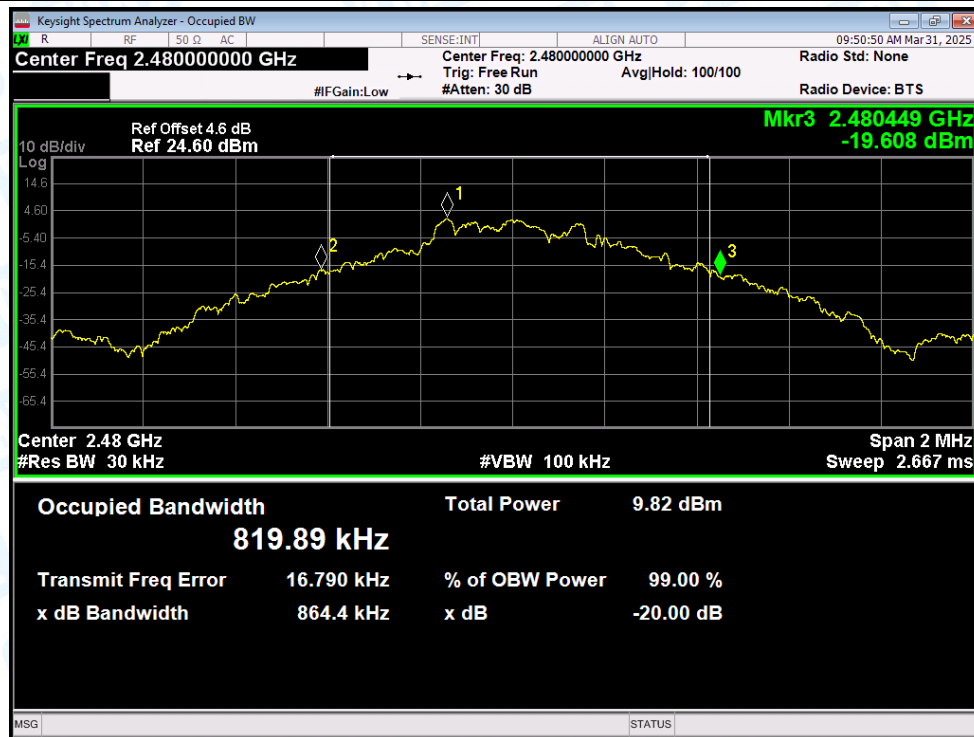
#### -20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



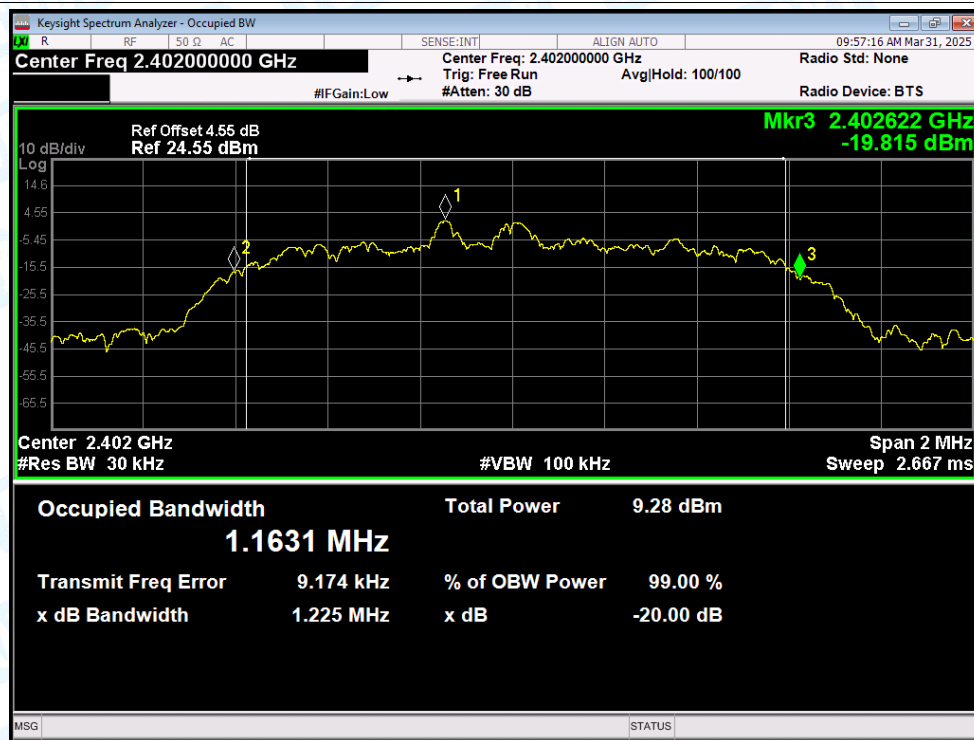
#### -20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



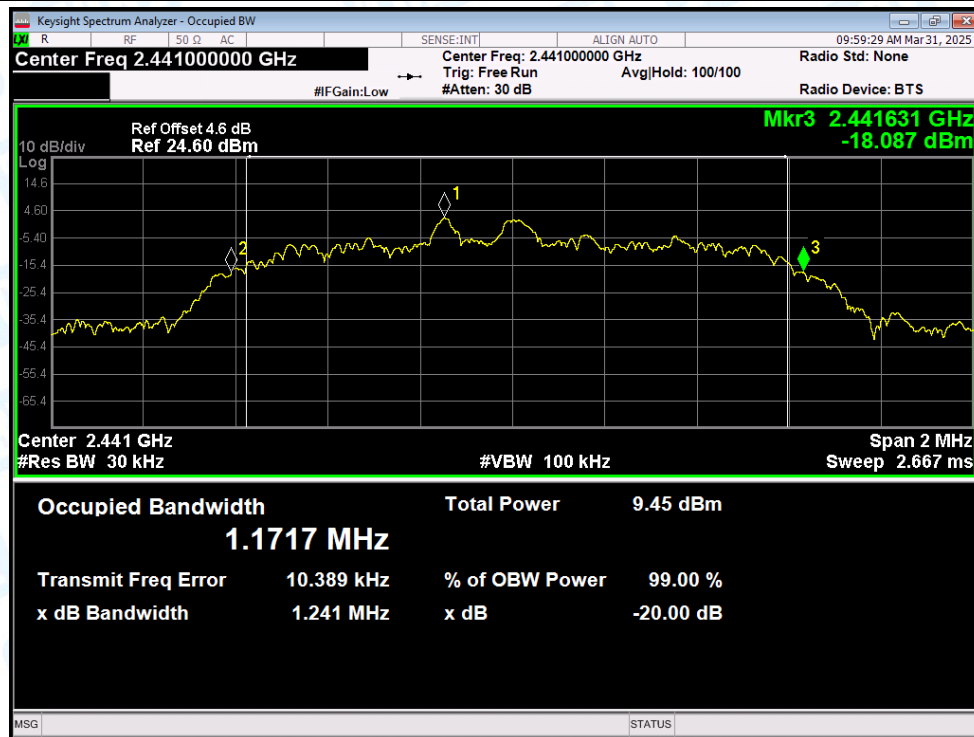
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



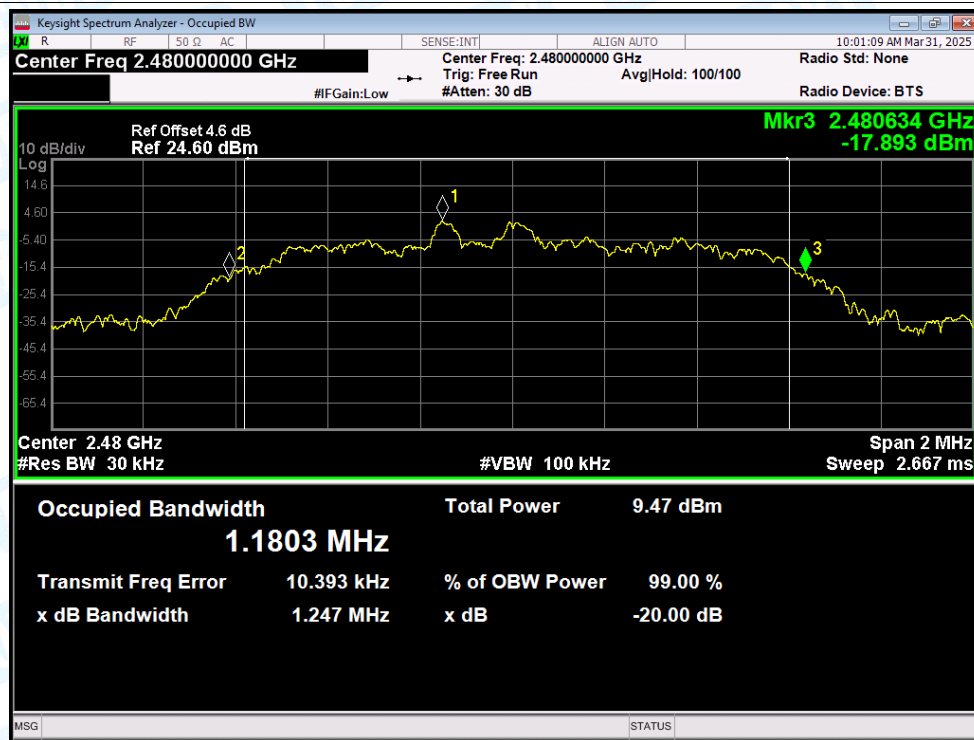
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



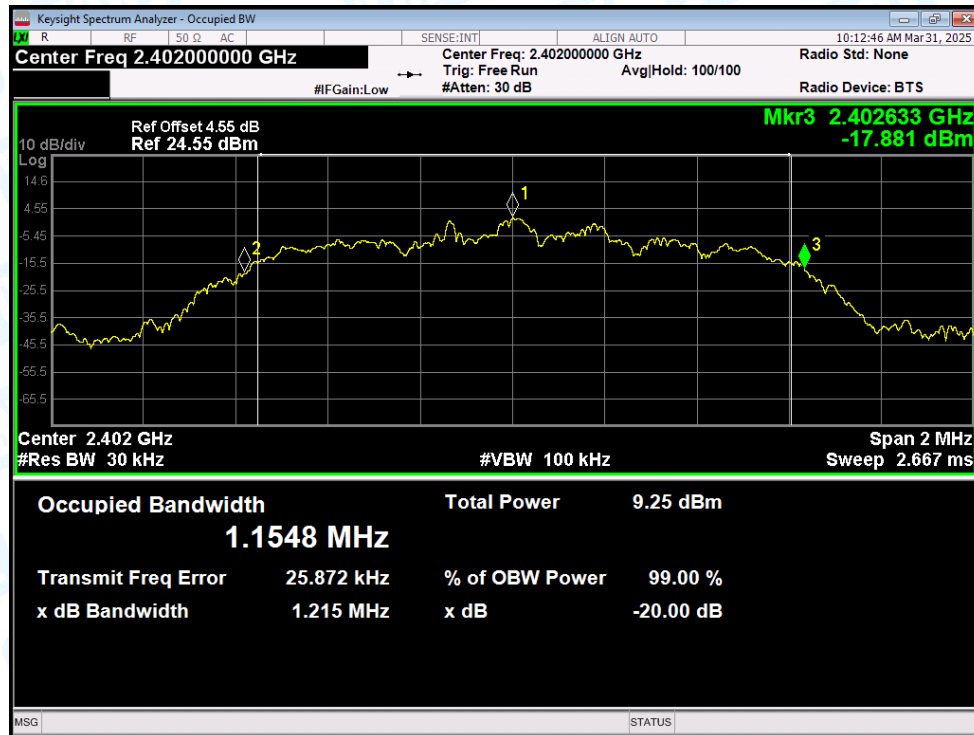
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



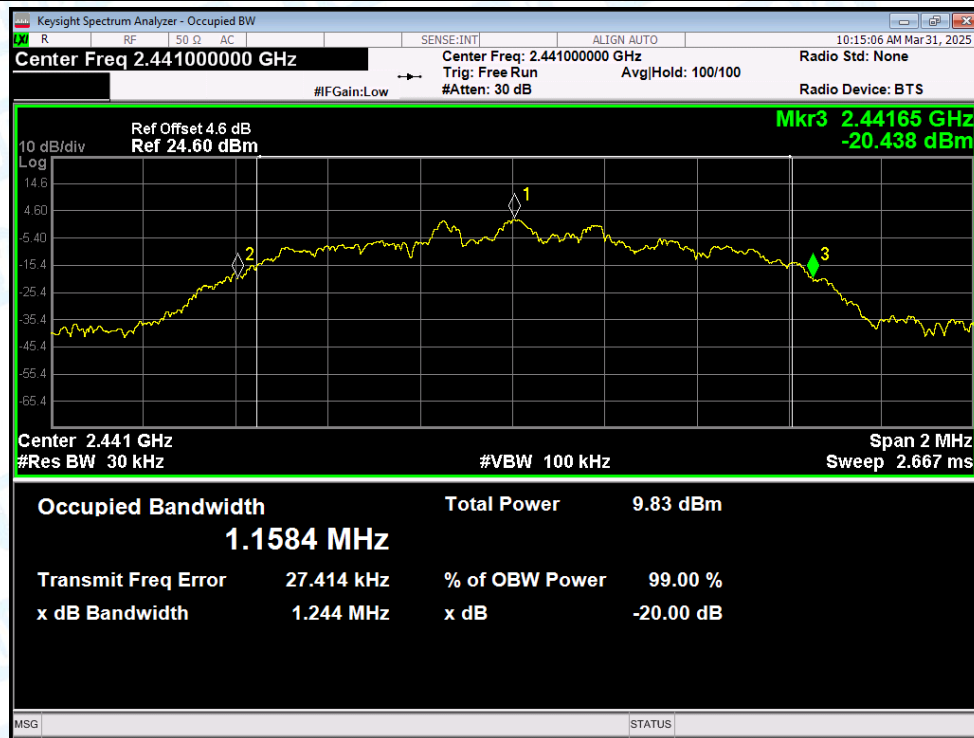
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

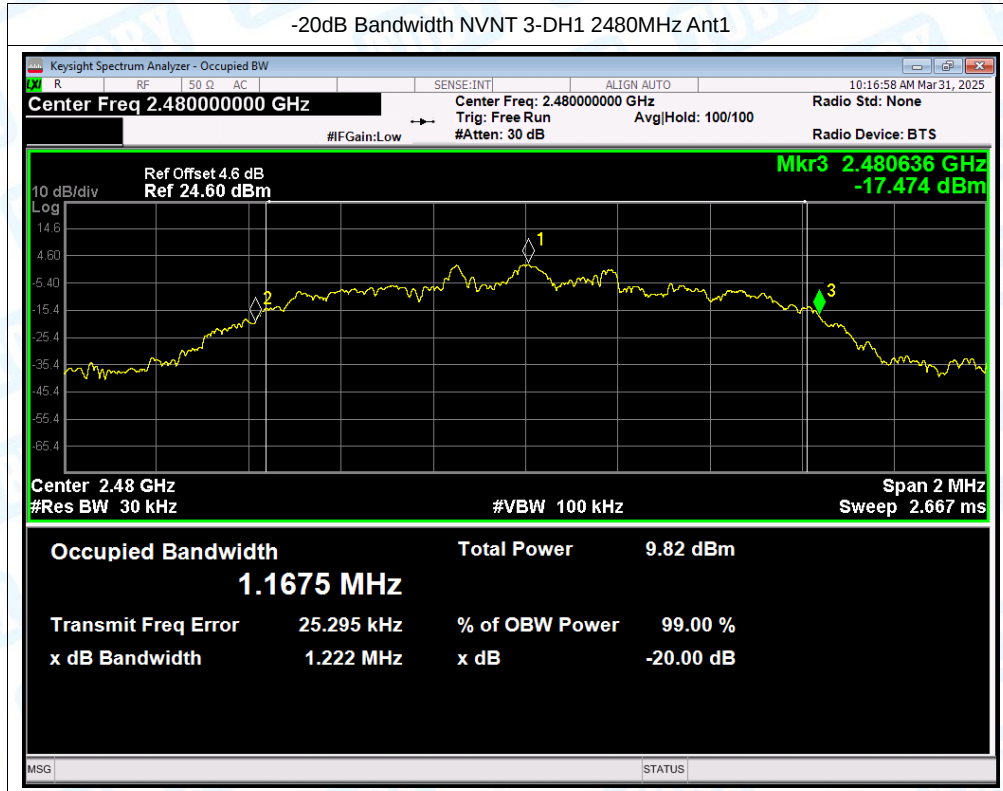


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



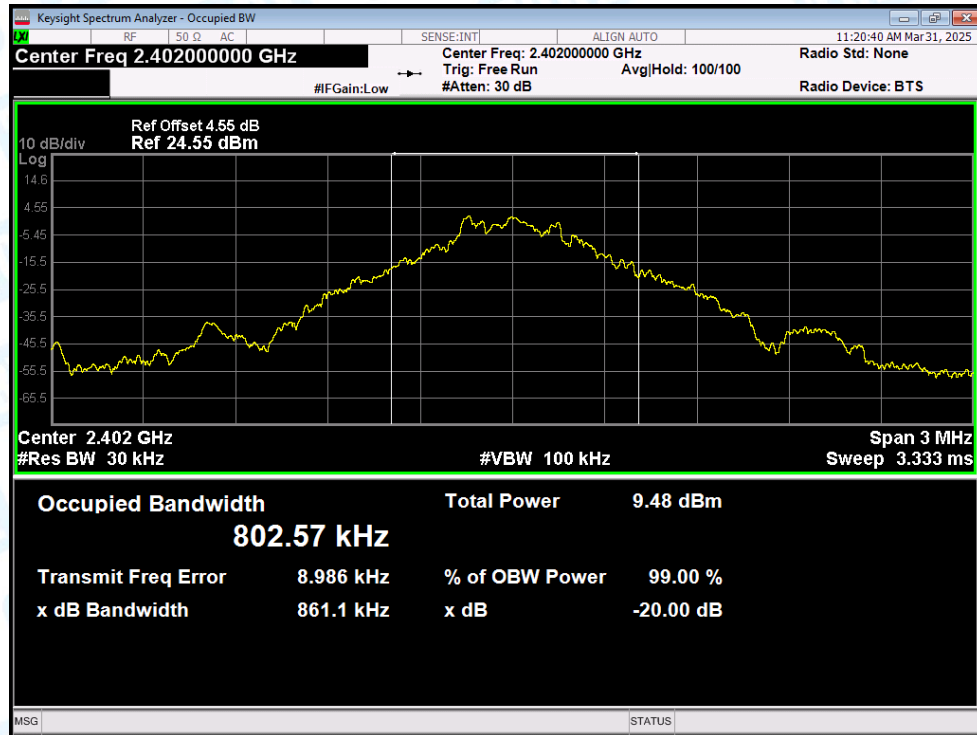


## 4. Occupied Channel Bandwidth

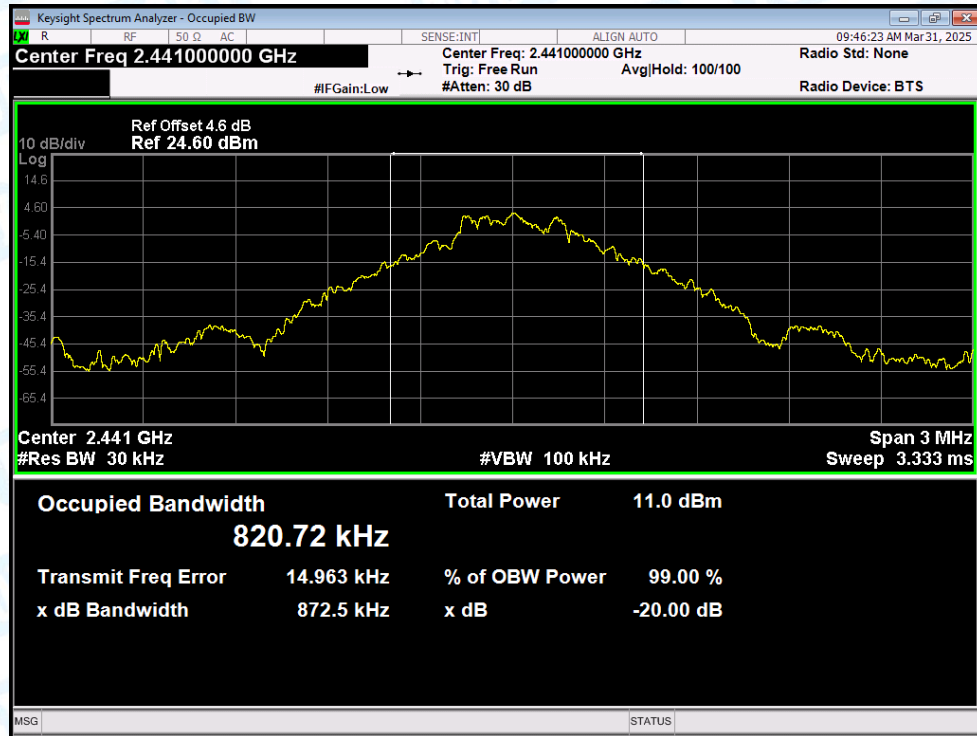
| Condition | Mode  | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|-------|-----------------|---------|---------------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 0.803         |
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.821         |
| NVNT      | 1-DH1 | 2480            | Ant1    | 0.814         |
| NVNT      | 2-DH1 | 2402            | Ant1    | 1.172         |
| NVNT      | 2-DH1 | 2441            | Ant1    | 1.172         |
| NVNT      | 2-DH1 | 2480            | Ant1    | 1.207         |
| NVNT      | 3-DH1 | 2402            | Ant1    | 1.158         |
| NVNT      | 3-DH1 | 2441            | Ant1    | 1.163         |
| NVNT      | 3-DH1 | 2480            | Ant1    | 1.183         |

### Test Graphs

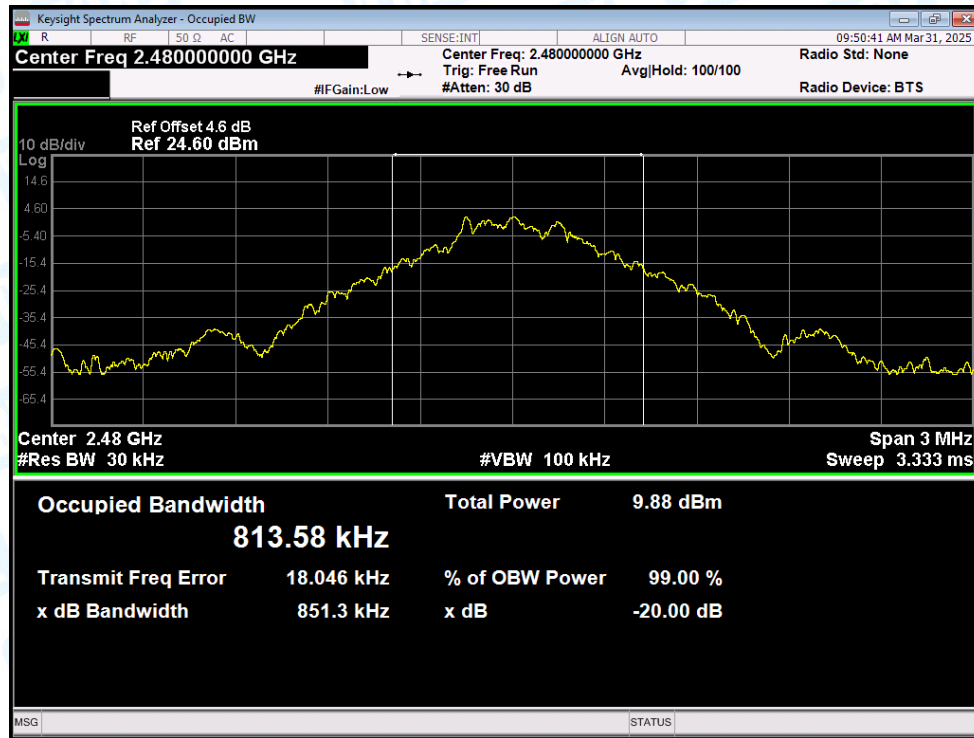
#### OBW NVNT 1-DH1 2402MHz Ant1



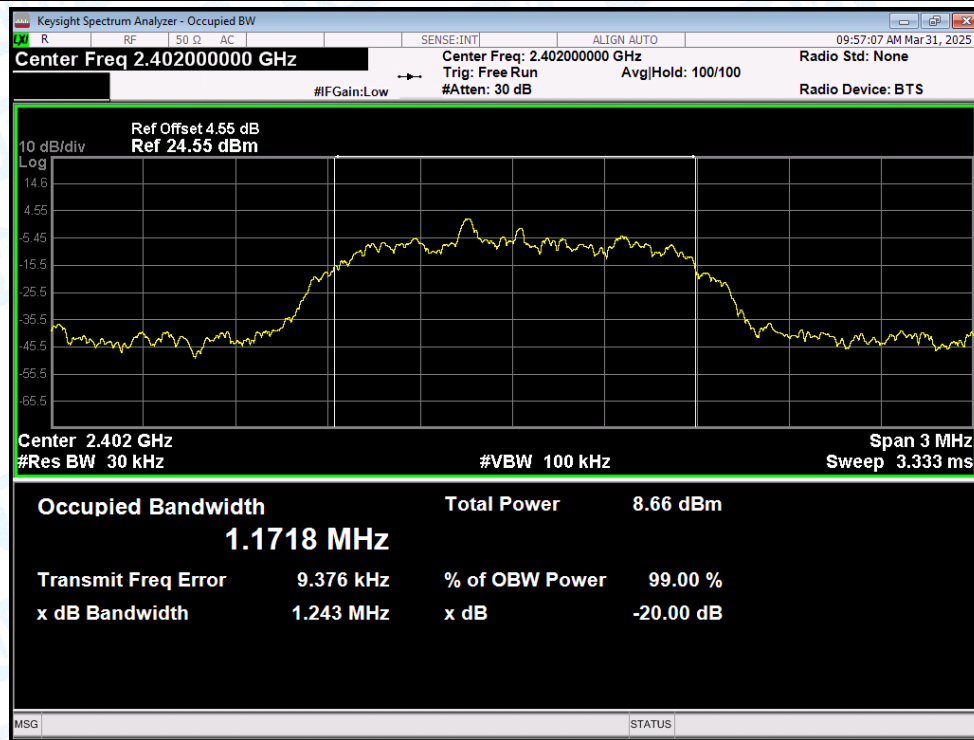
#### OBW NVNT 1-DH1 2441MHz Ant1



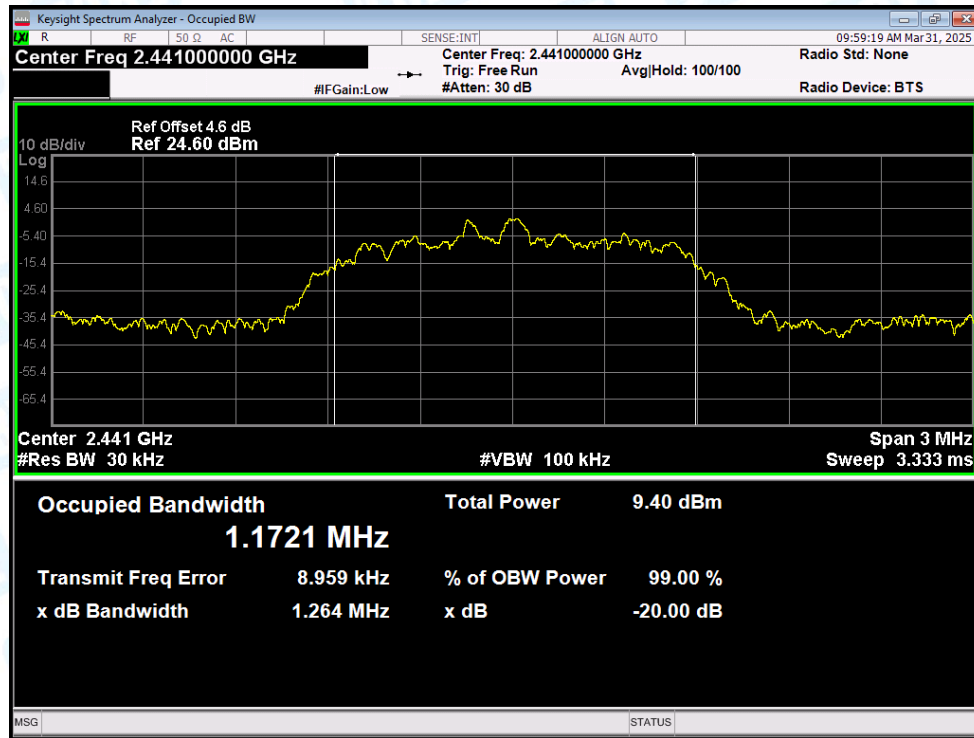
OBW NVNT 1-DH1 2480MHz Ant1



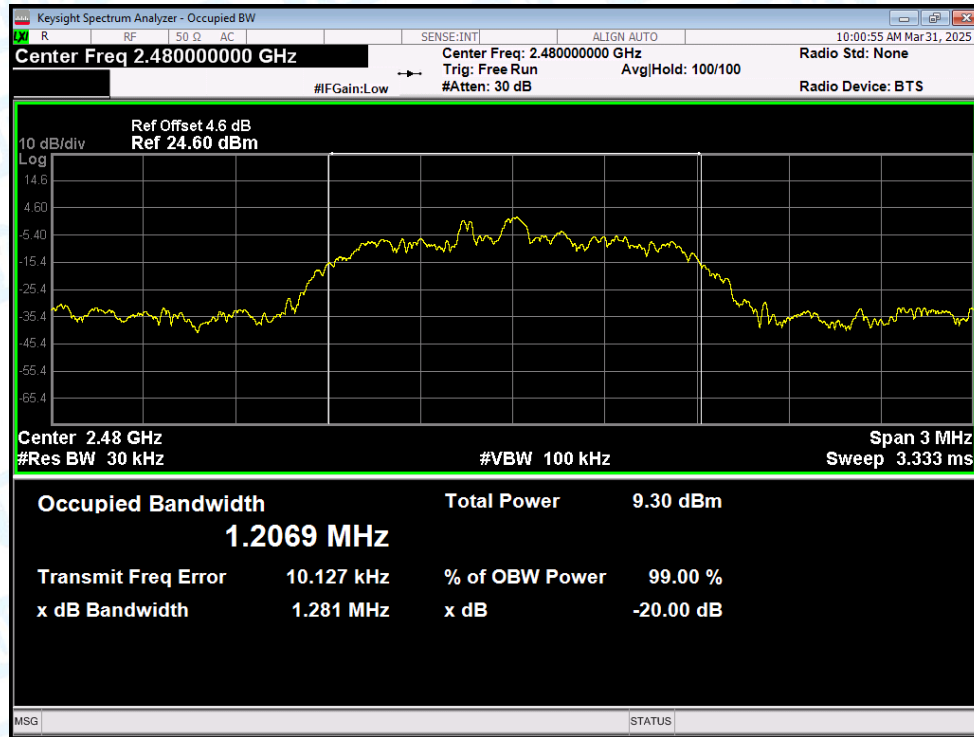
OBW NVNT 2-DH1 2402MHz Ant1



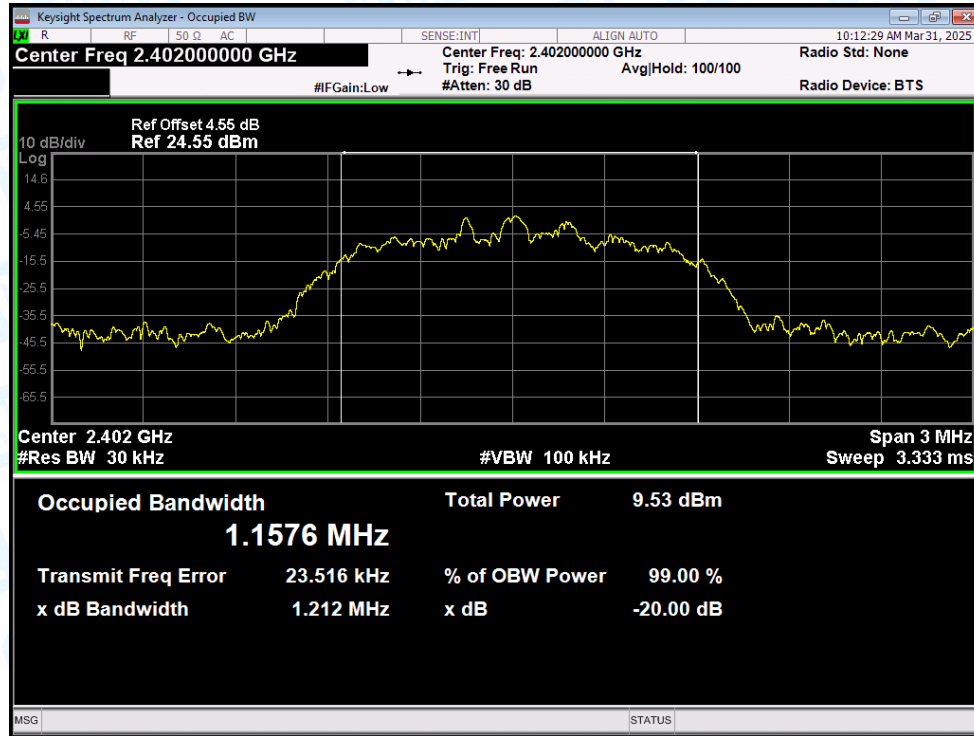
OBW NVNT 2-DH1 2441MHz Ant1



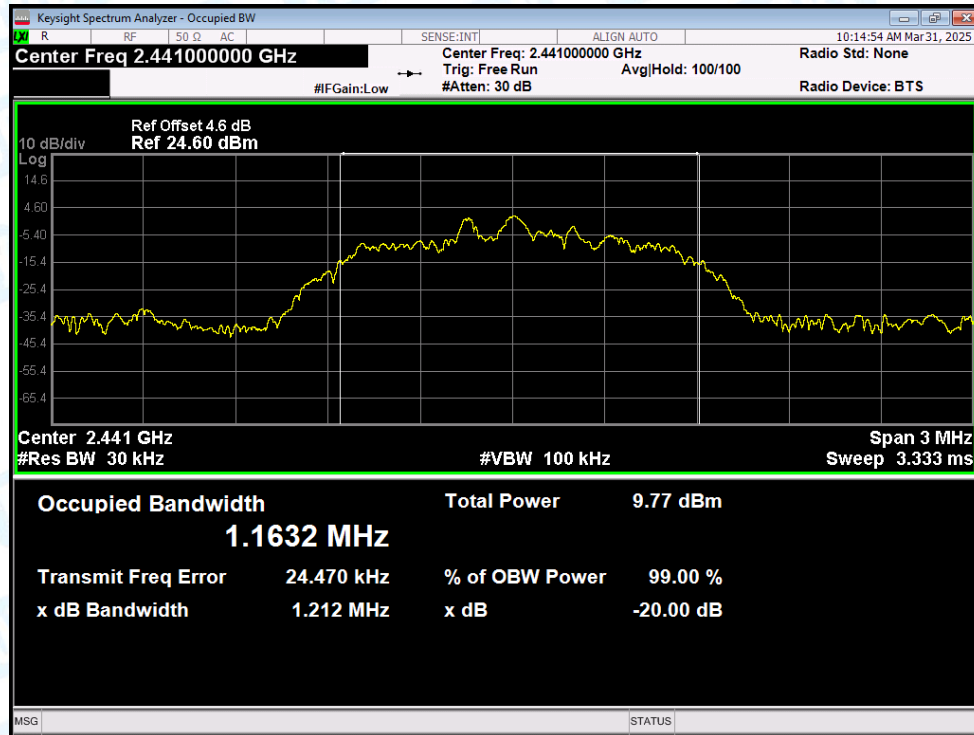
OBW NVNT 2-DH1 2480MHz Ant1

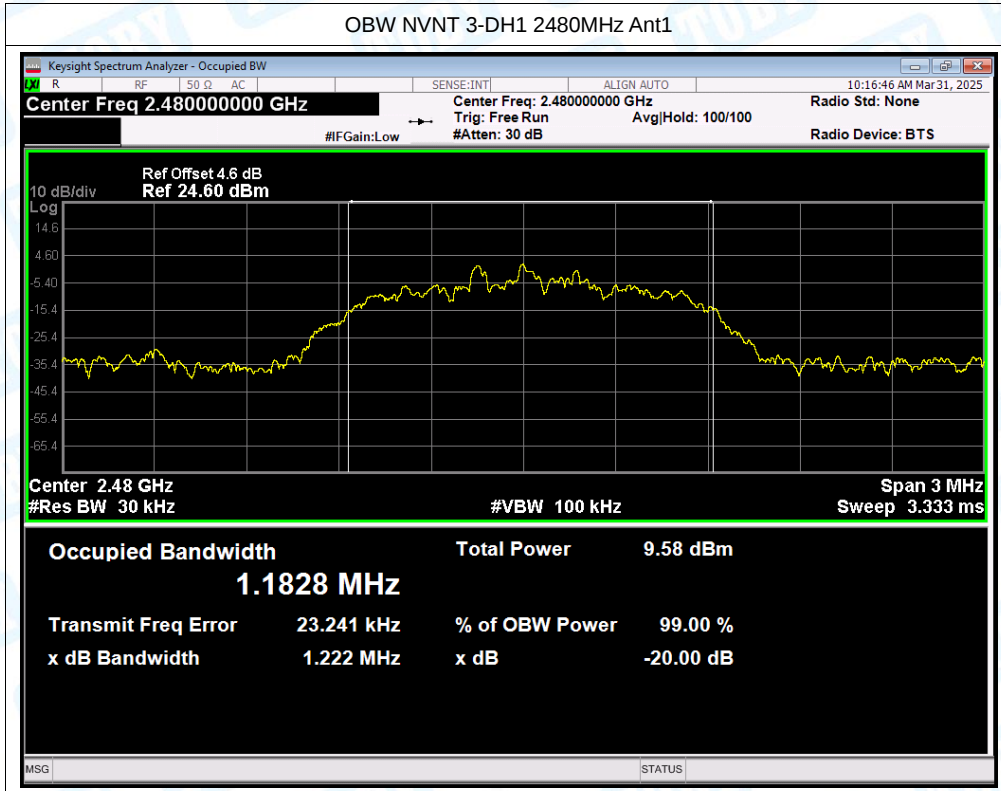


OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1



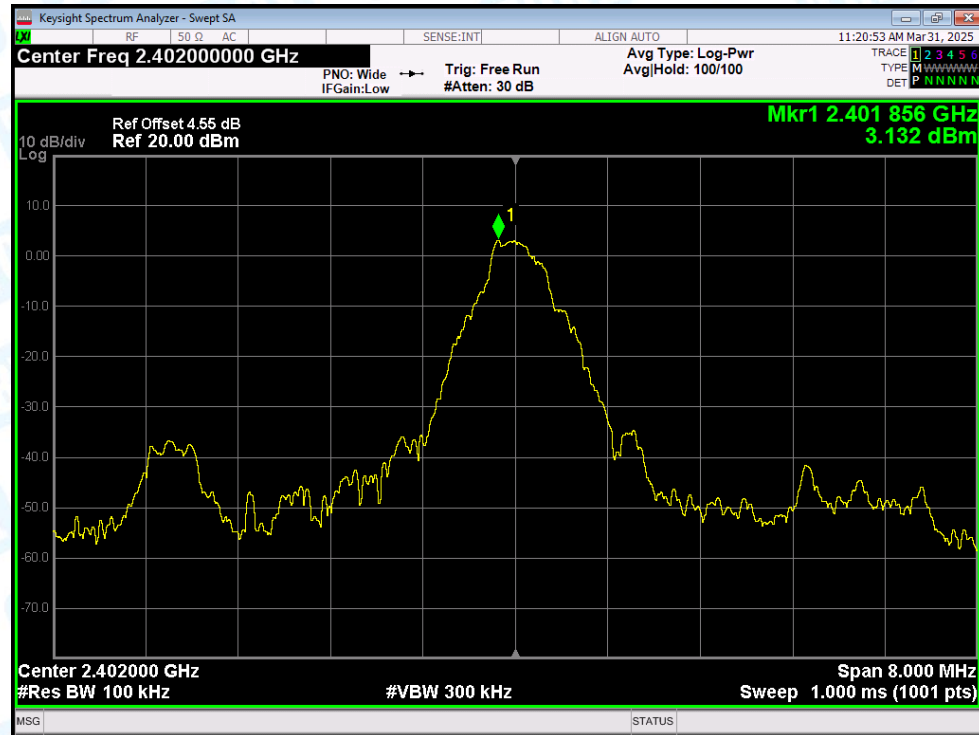


## 5. Band Edge

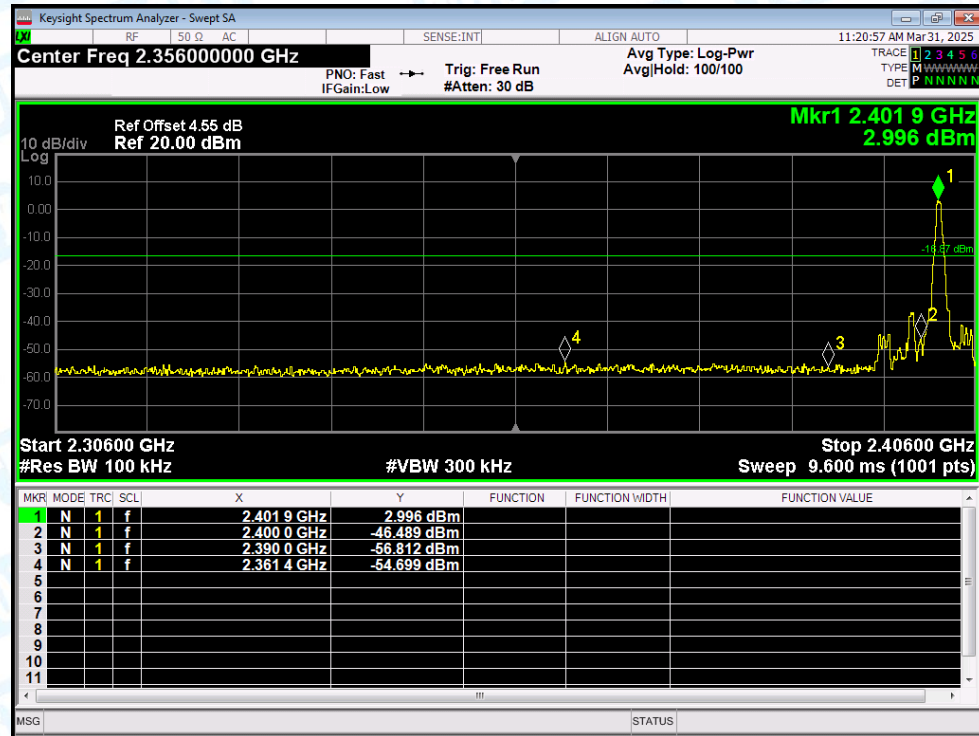
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | -57.83          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | -45.29          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | -56.16          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | -48.25          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | -56.83          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | -45.47          | -20         | Pass    |

### Test Graphs

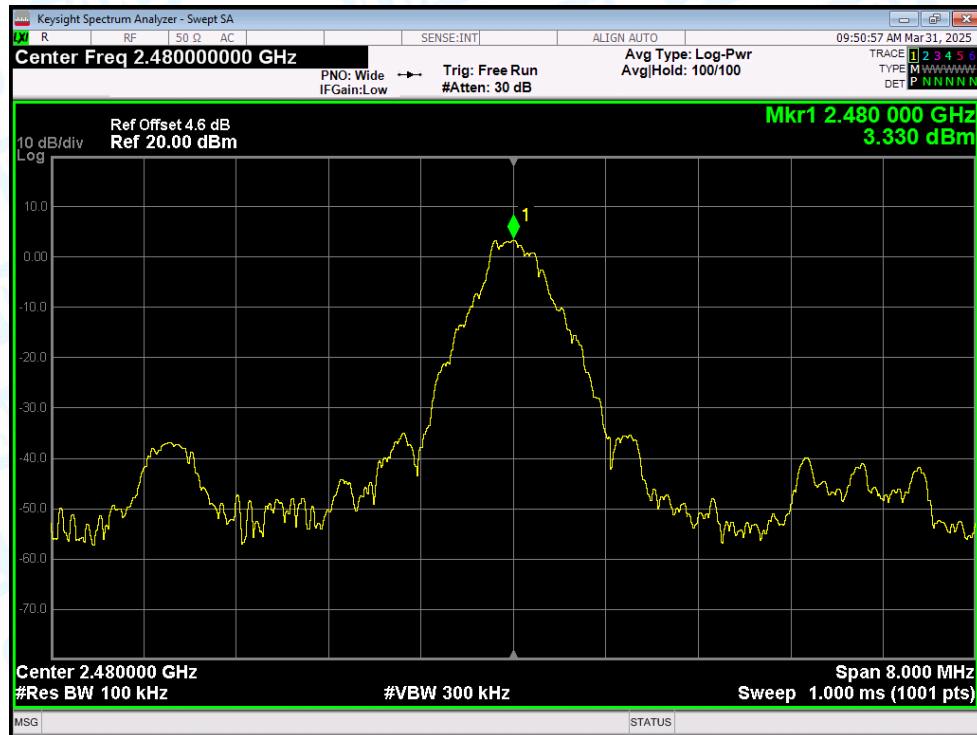
#### Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



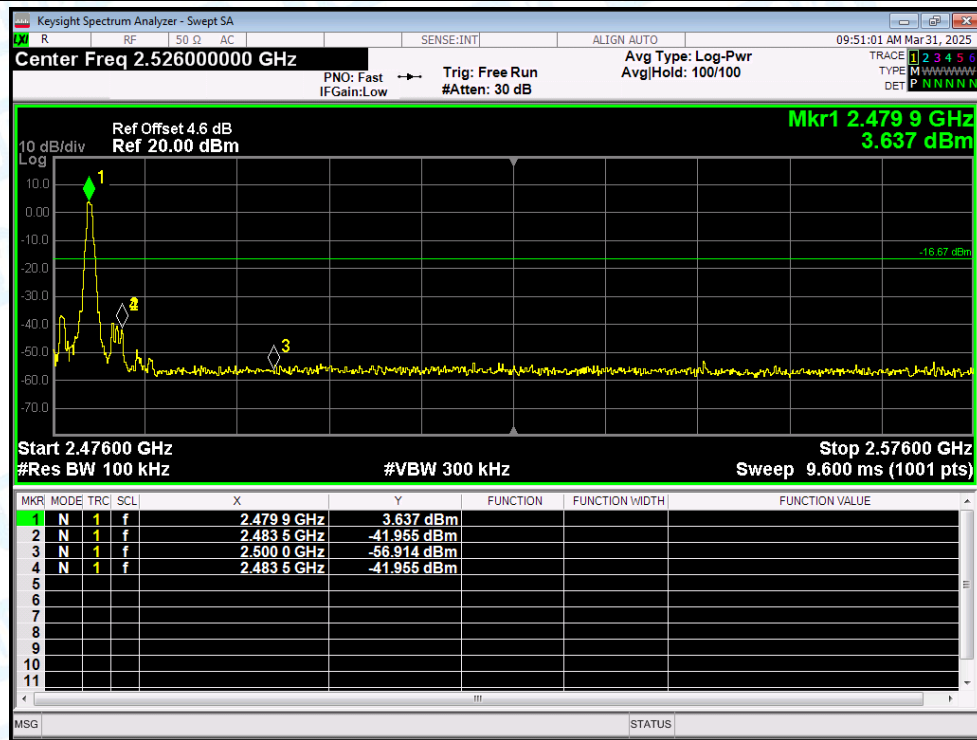
#### Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



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



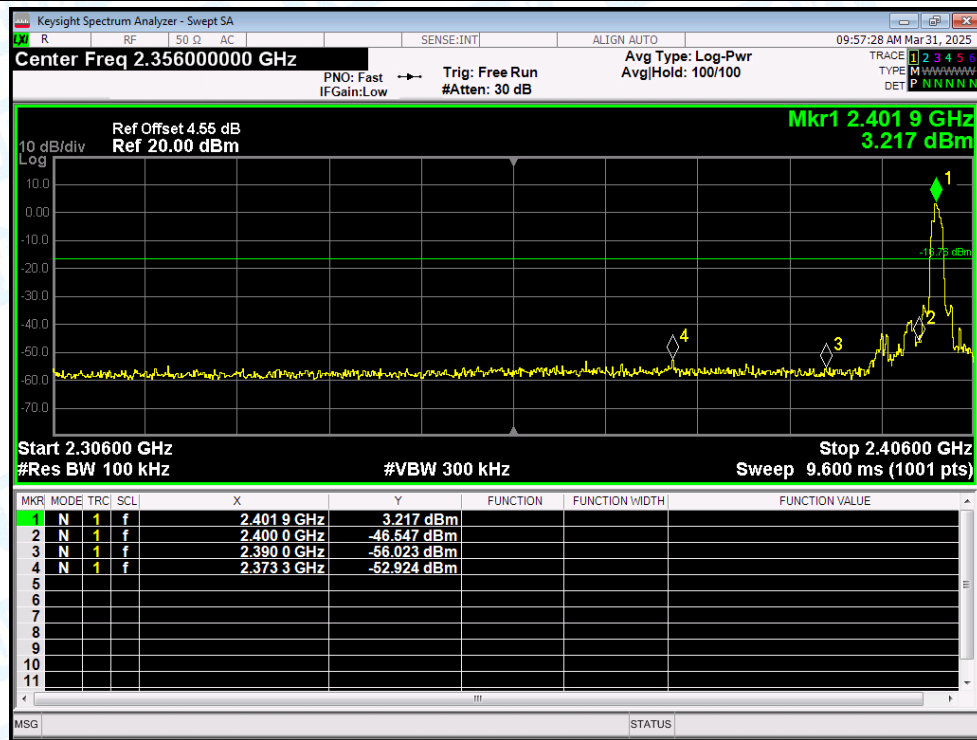
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



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



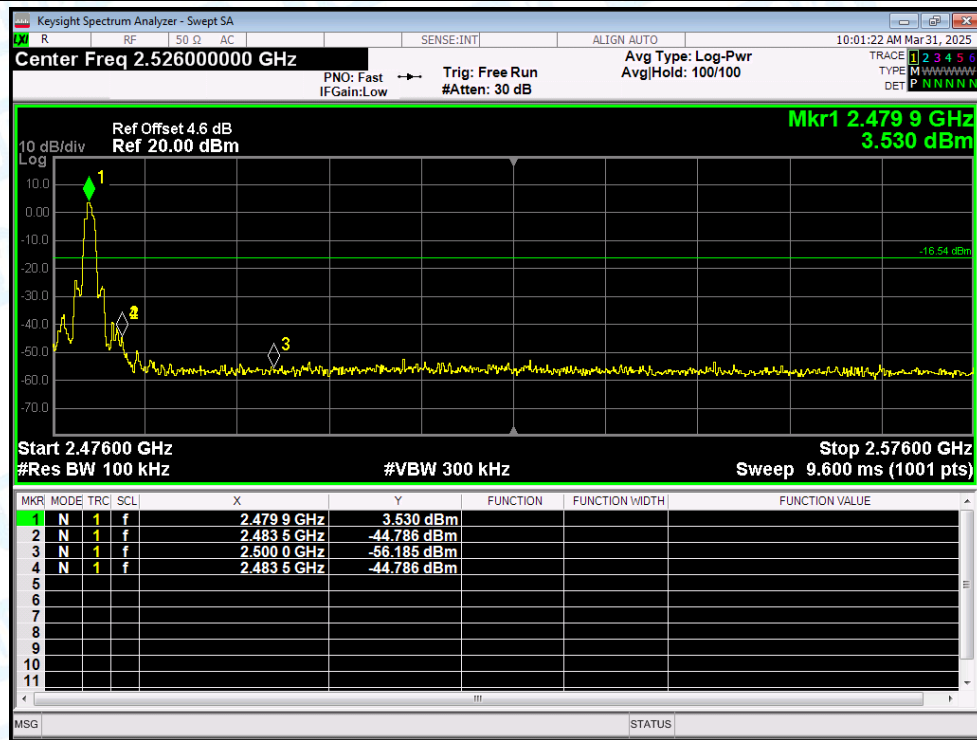
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



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



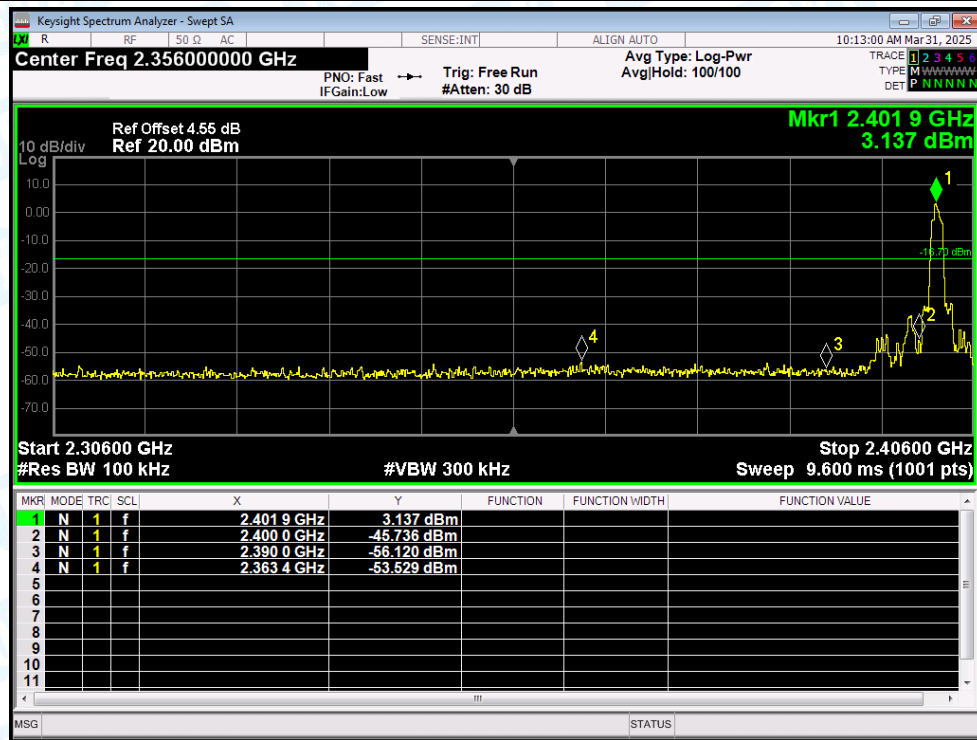
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



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



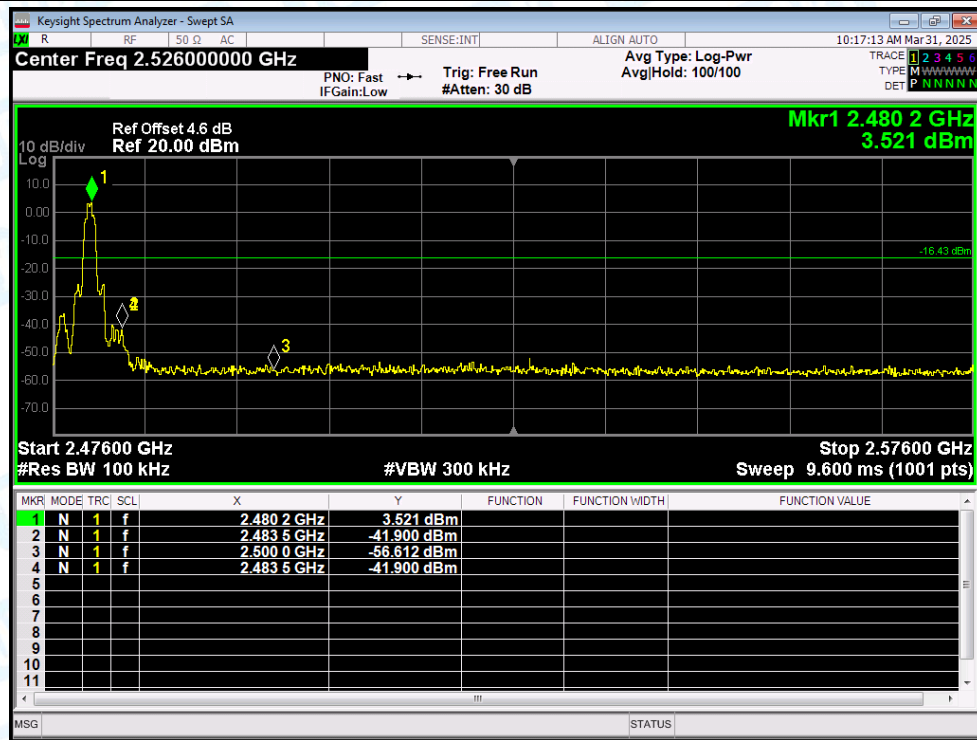
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



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



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

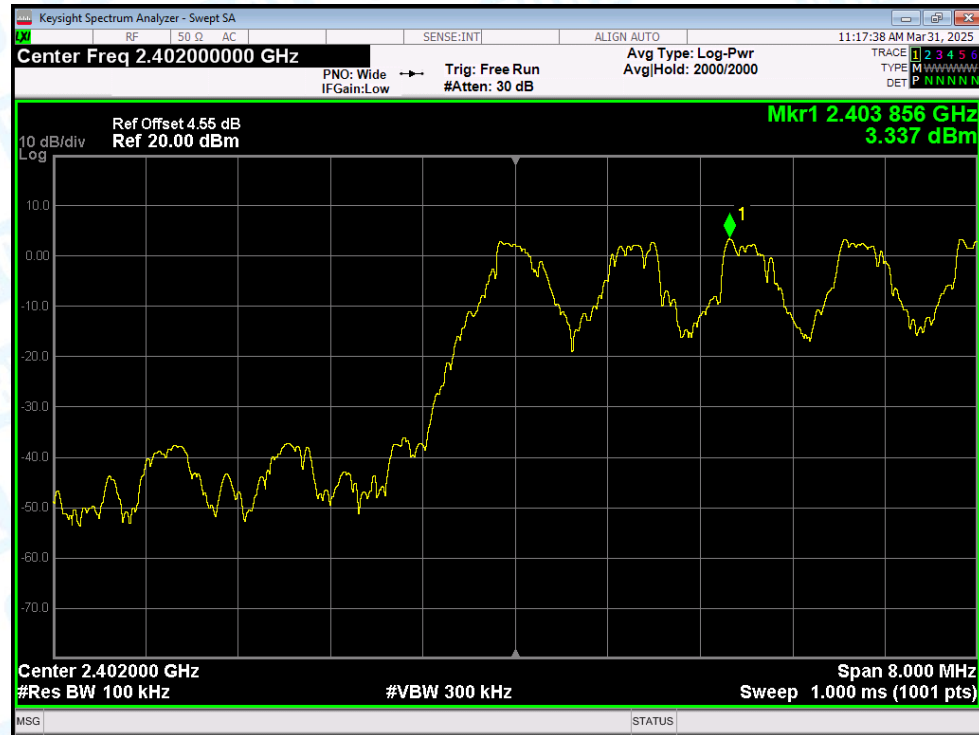


## 6. Band Edge(Hopping)

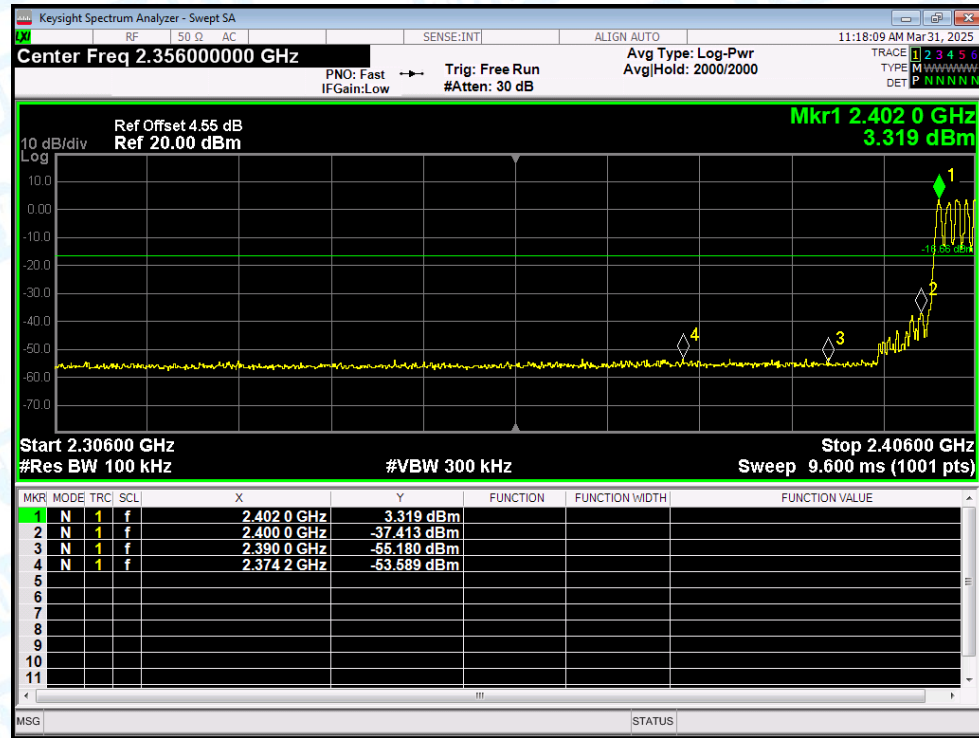
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | Hopping      | -56.93          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | Hopping      | -45.99          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | Hopping      | -54.61          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | Hopping      | -51.17          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | Hopping      | -56.1           | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | Hopping      | -48.45          | -20         | Pass    |

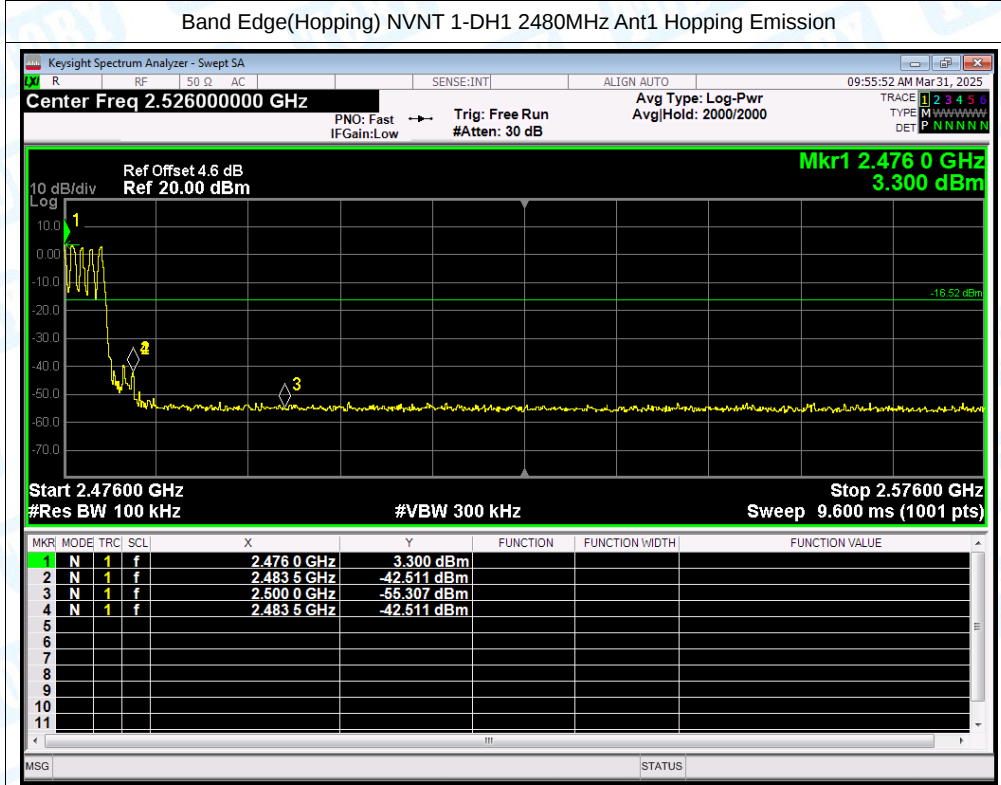
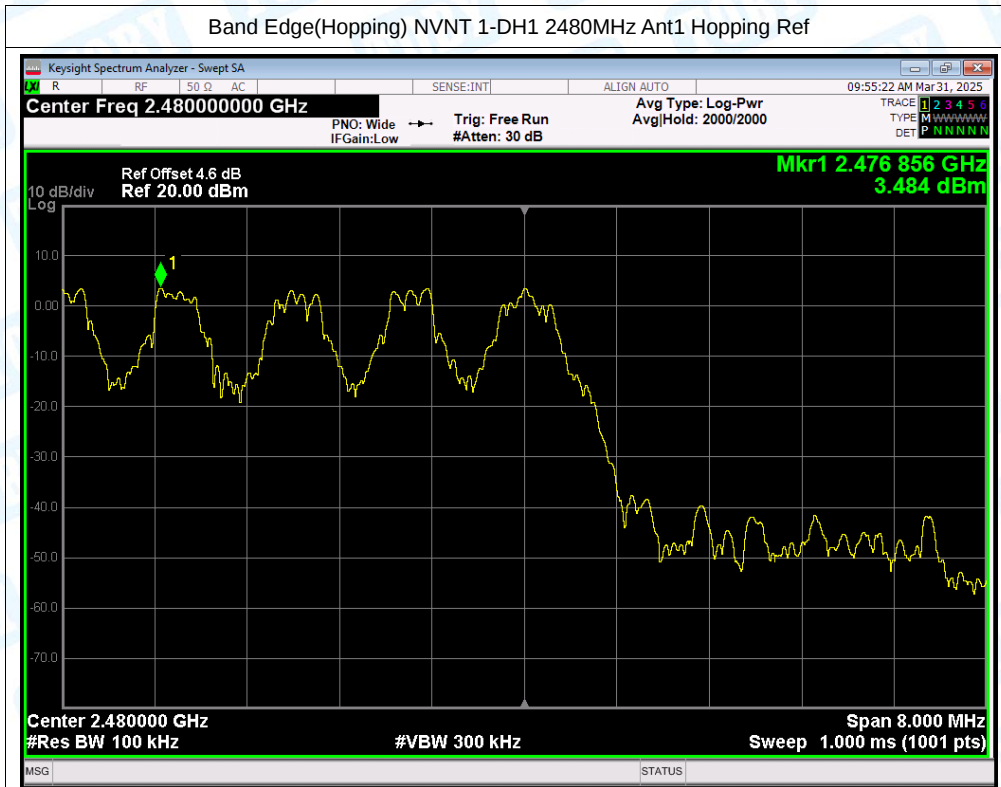
### Test Graphs

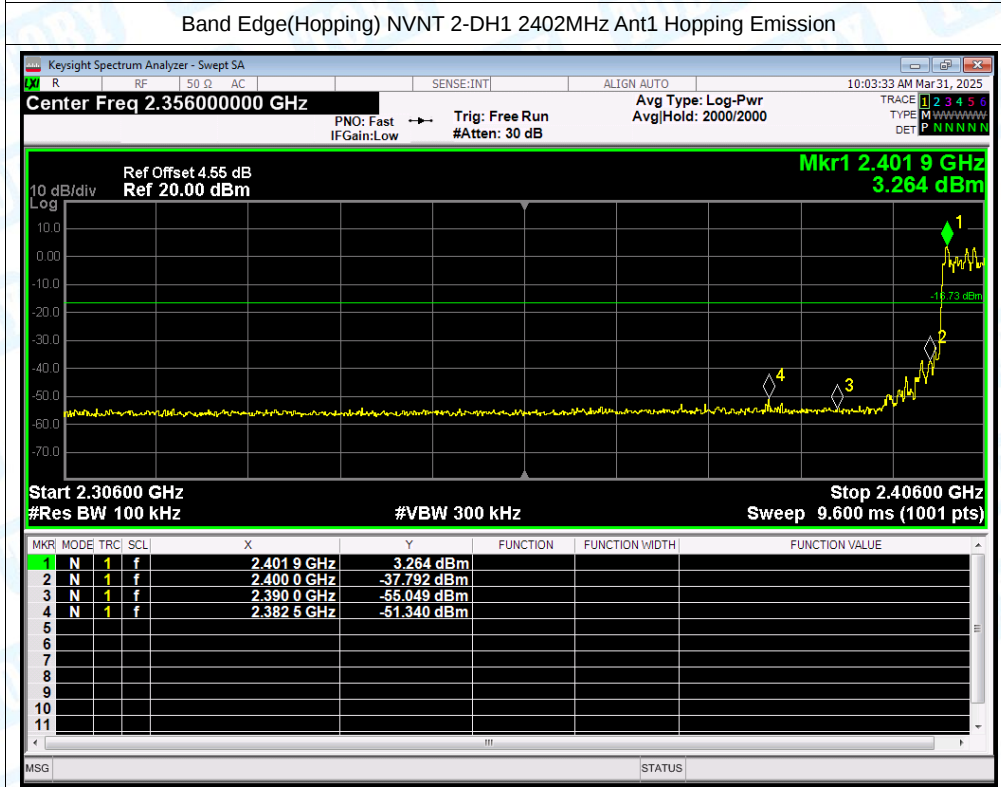
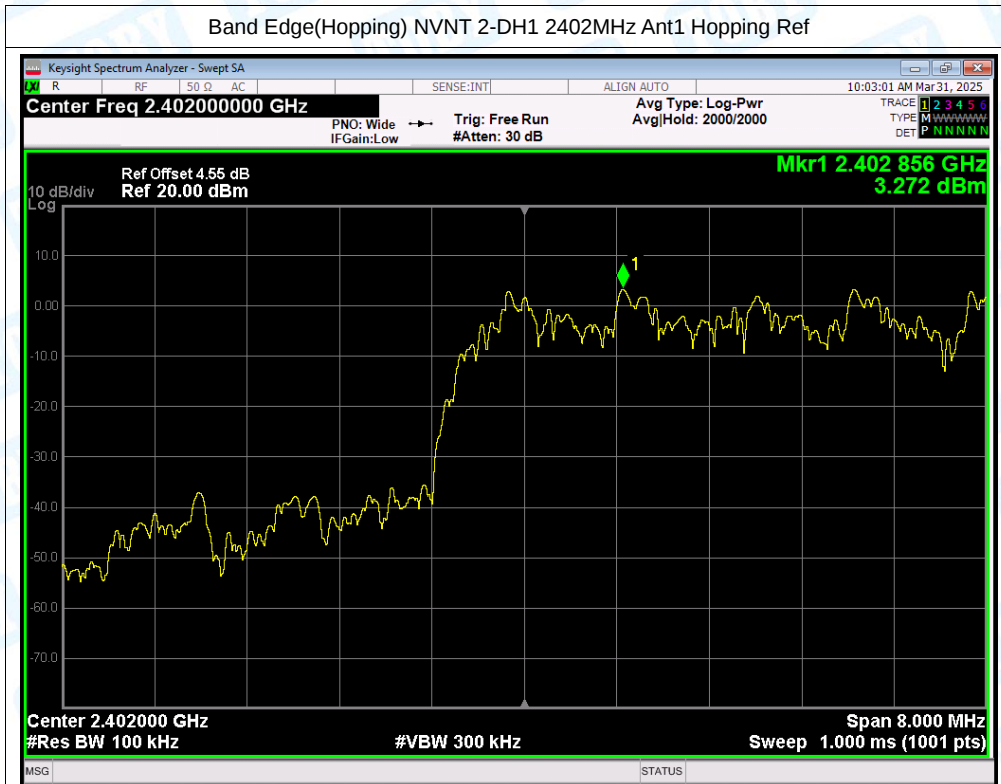
#### Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref

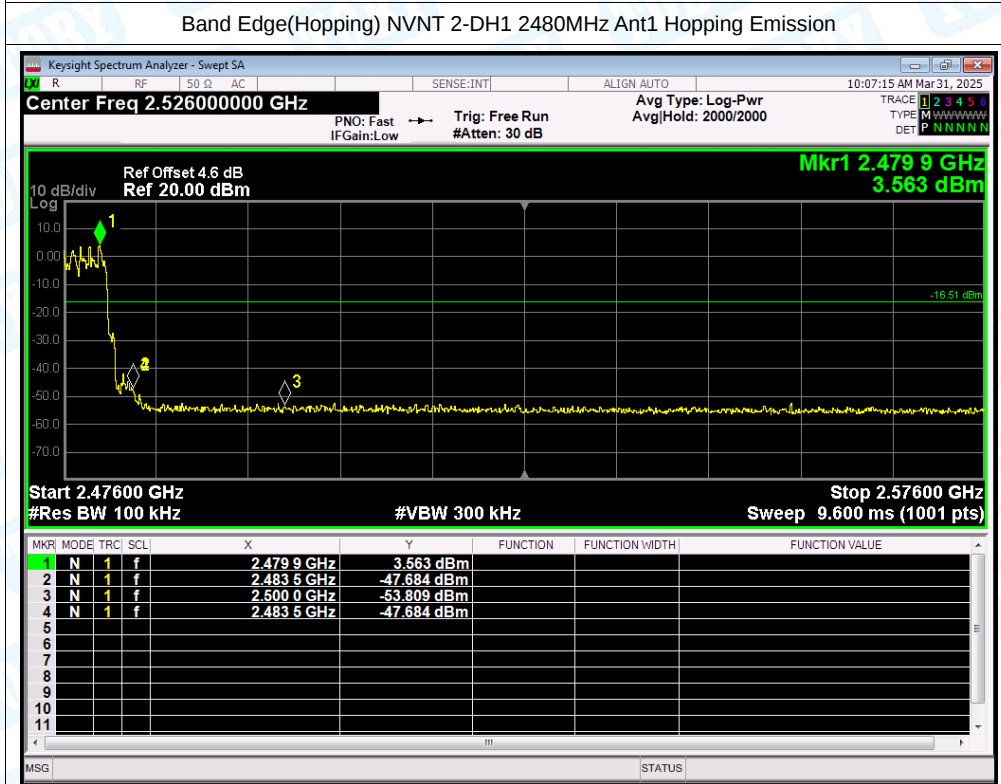


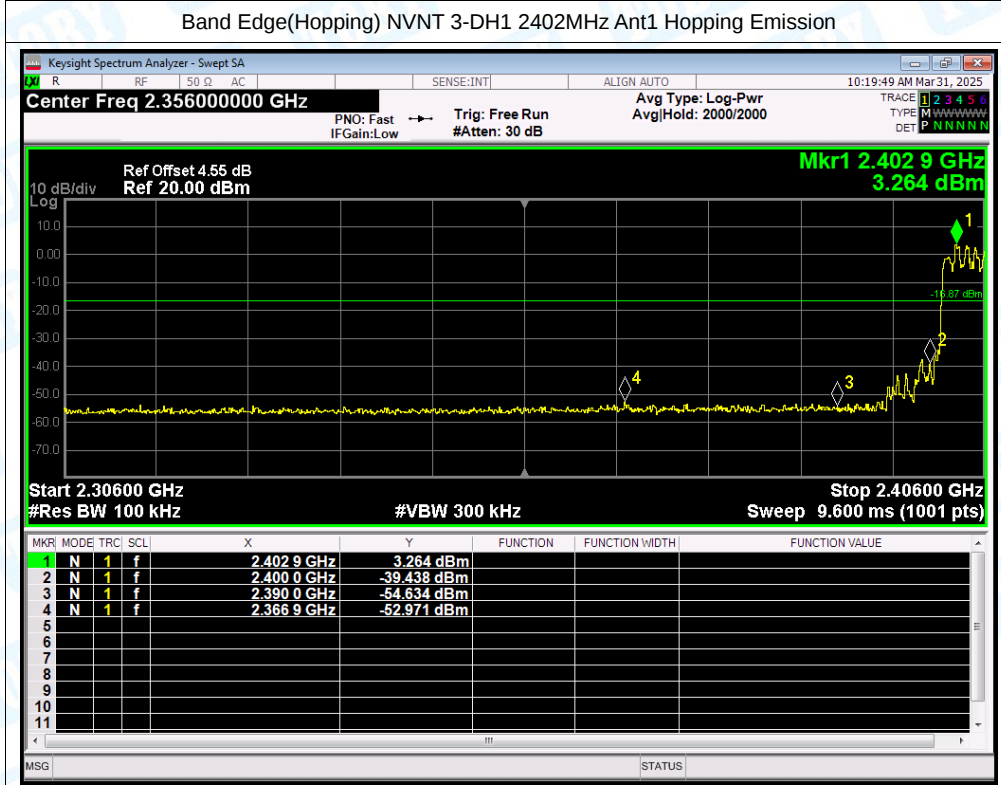
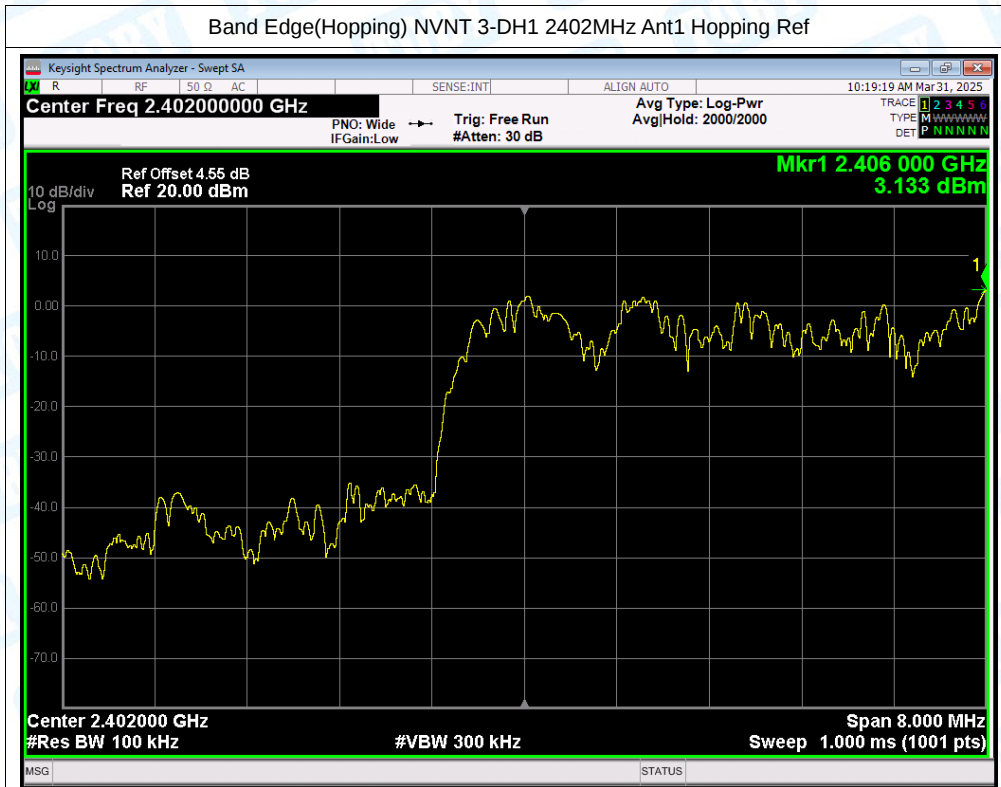
#### Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission

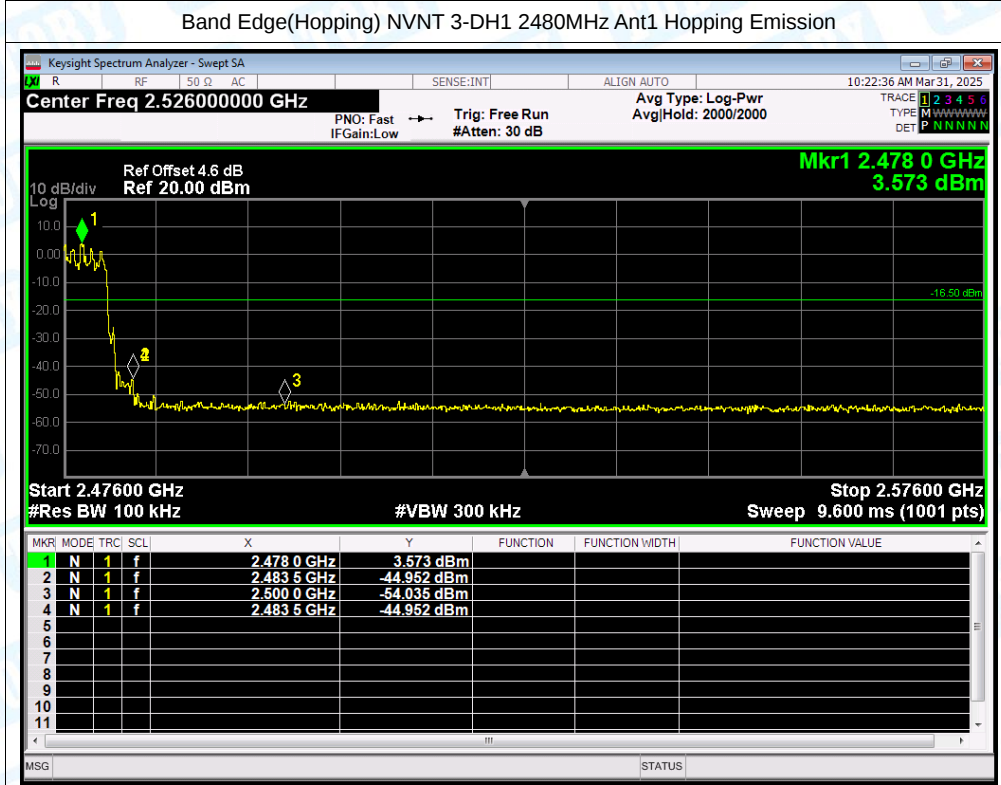










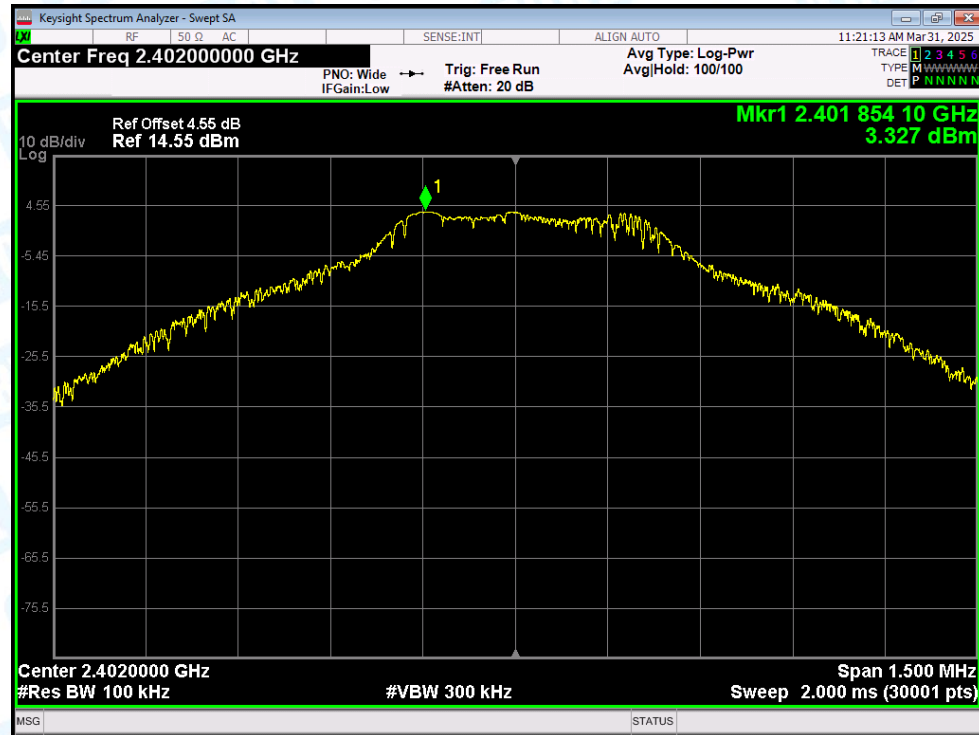


## 7. Conducted RF Spurious Emission

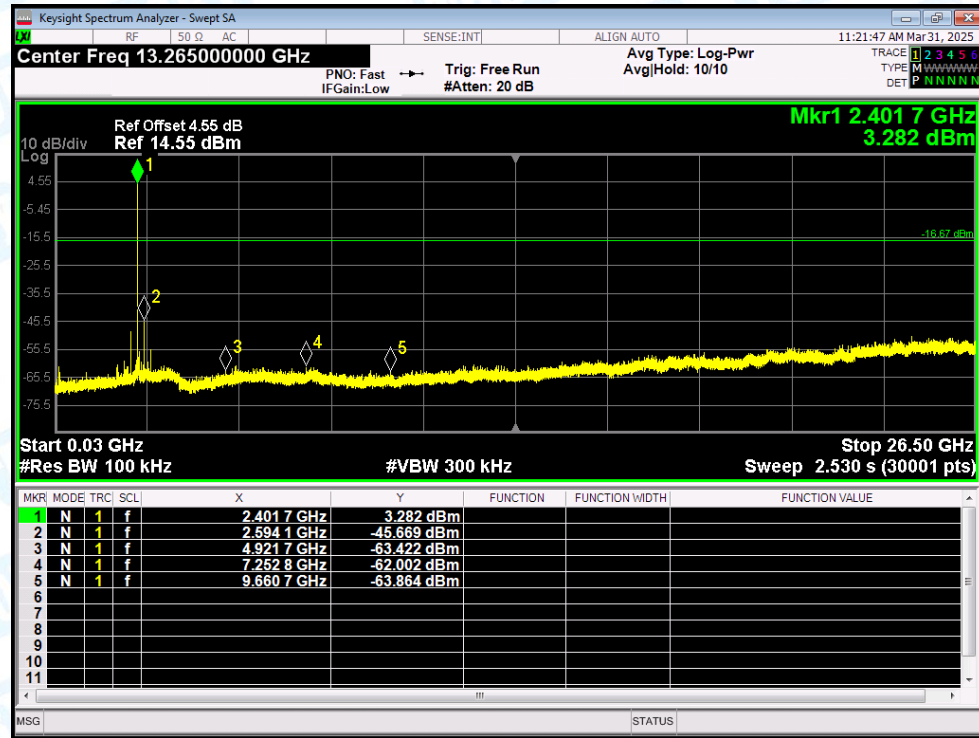
| Condition | Mode  | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | -49             | -20         | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | -51.26          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | -50.66          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | -51.51          | -20         | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | -50.54          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | -51.88          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | -48.77          | -20         | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | -52.7           | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | -51.28          | -20         | Pass    |

### Test Graphs

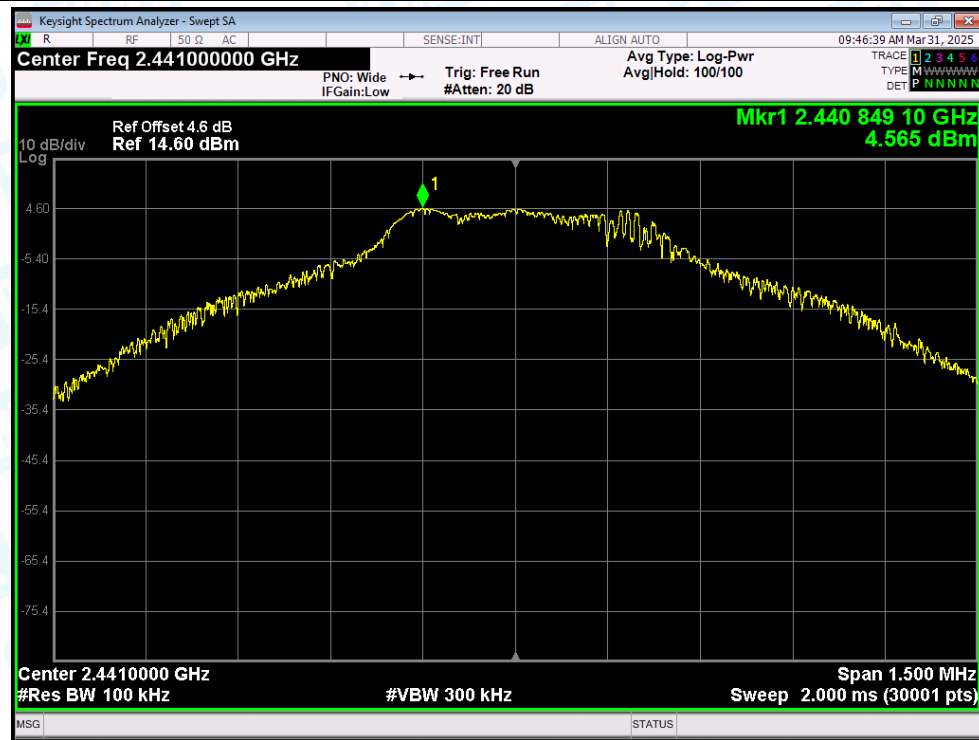
#### Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



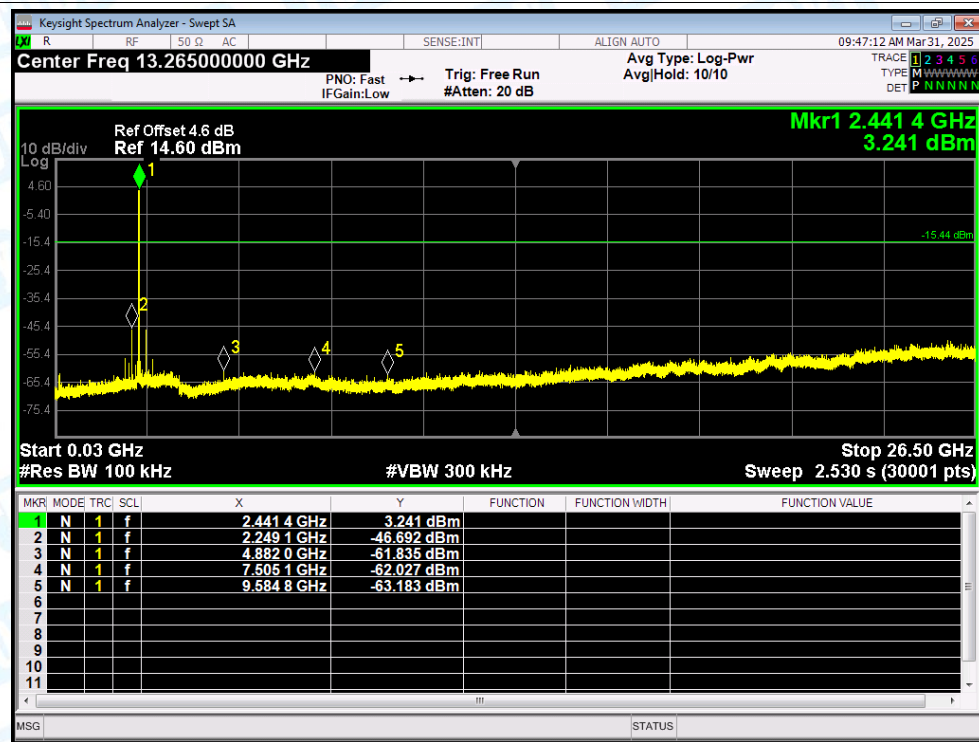
#### Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



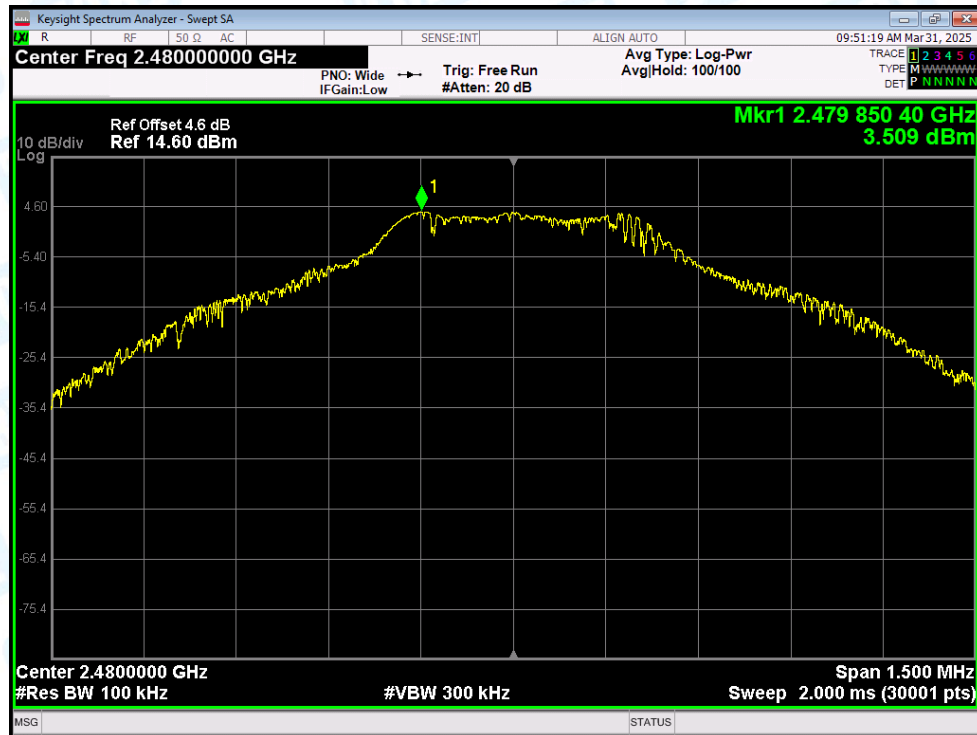
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



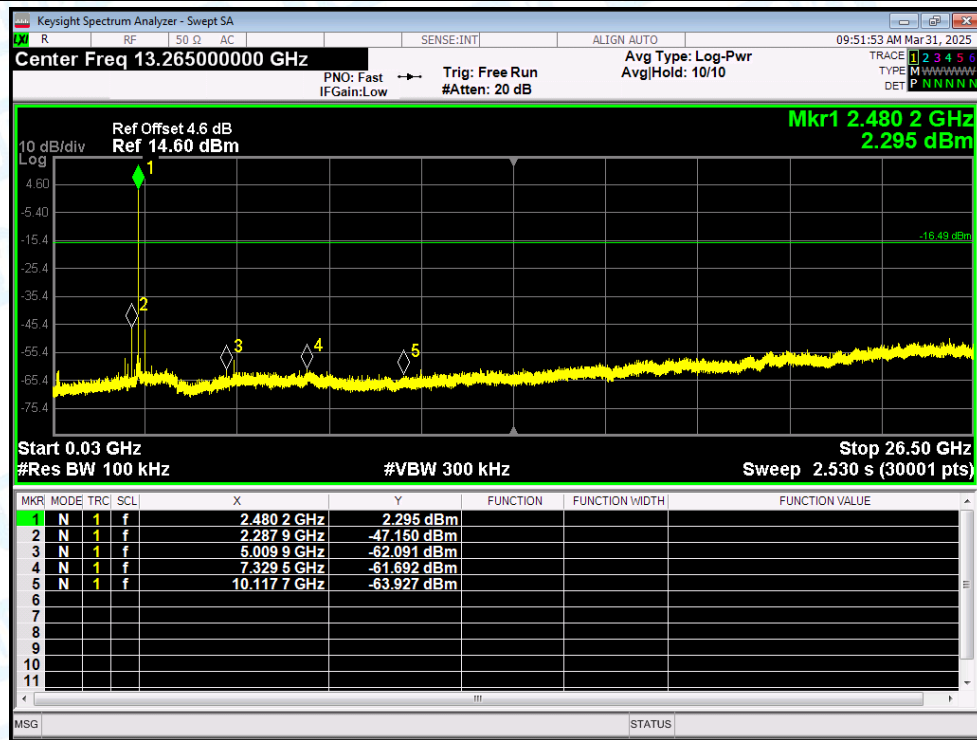
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



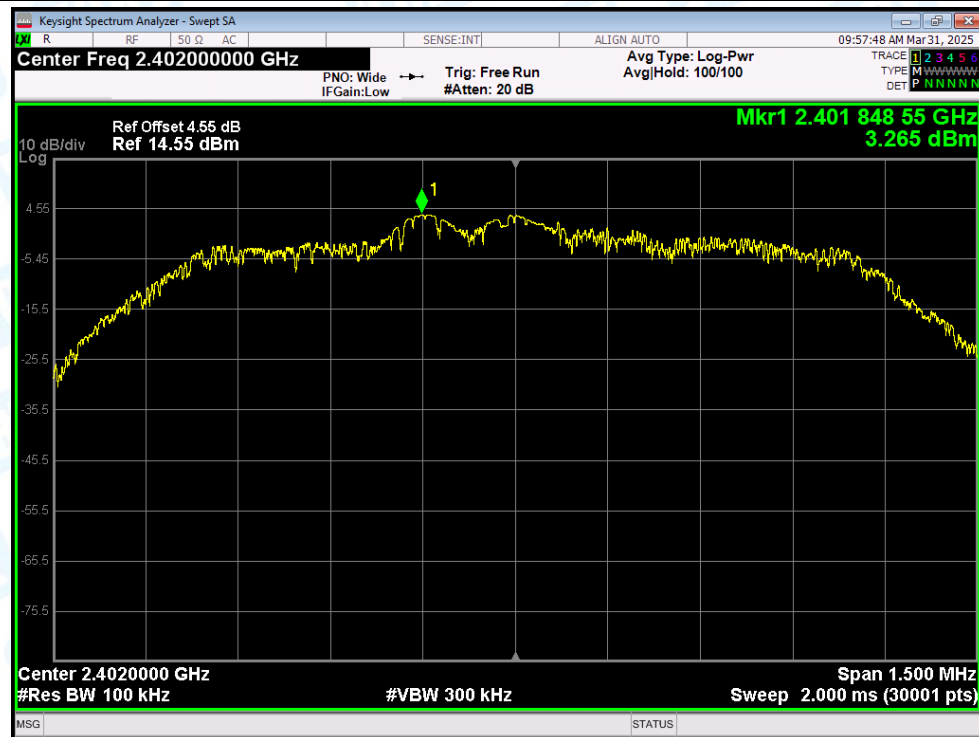
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



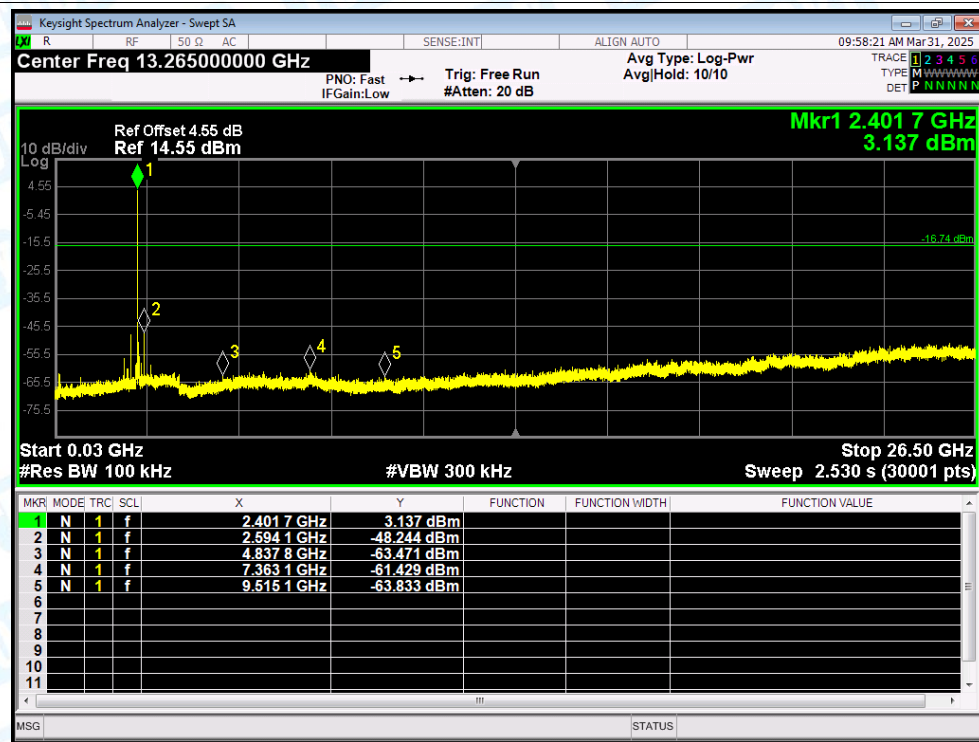
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



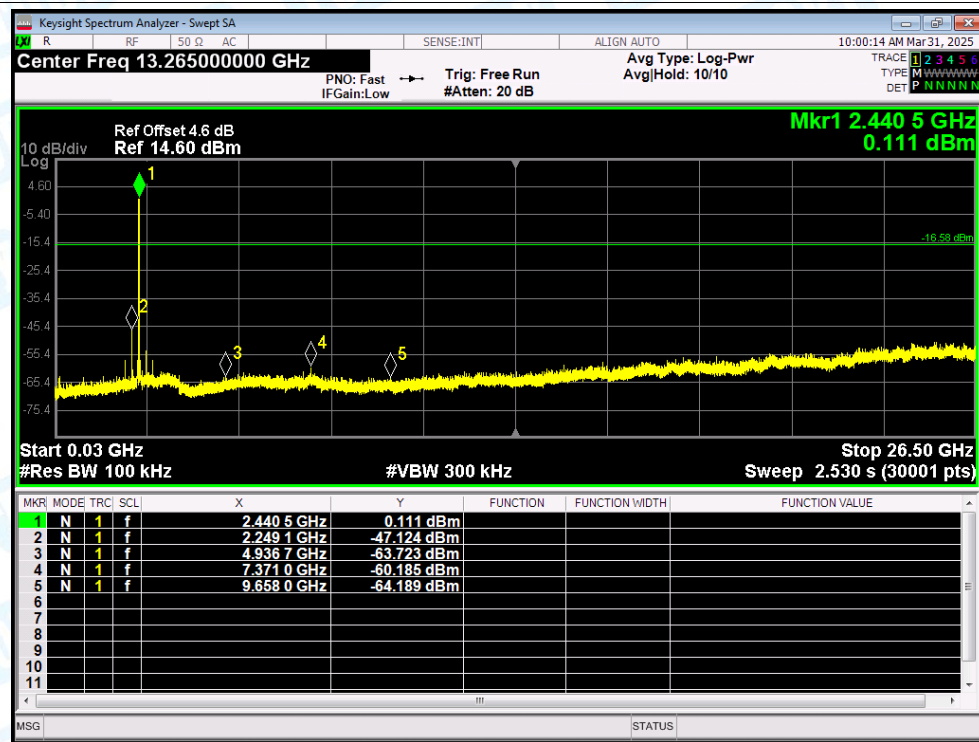
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



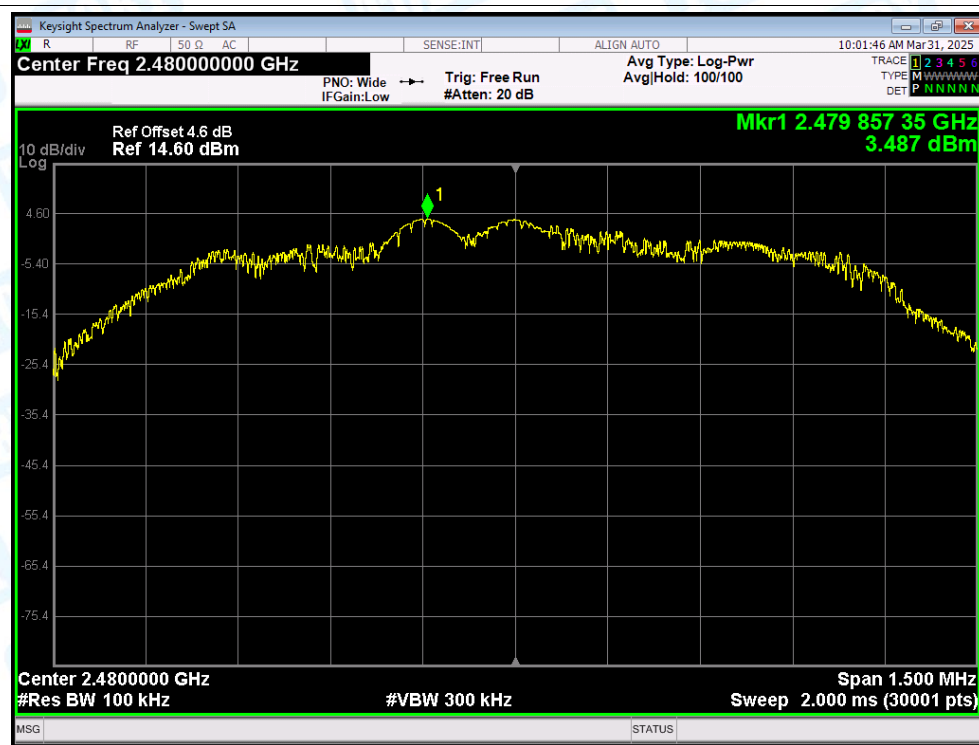
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



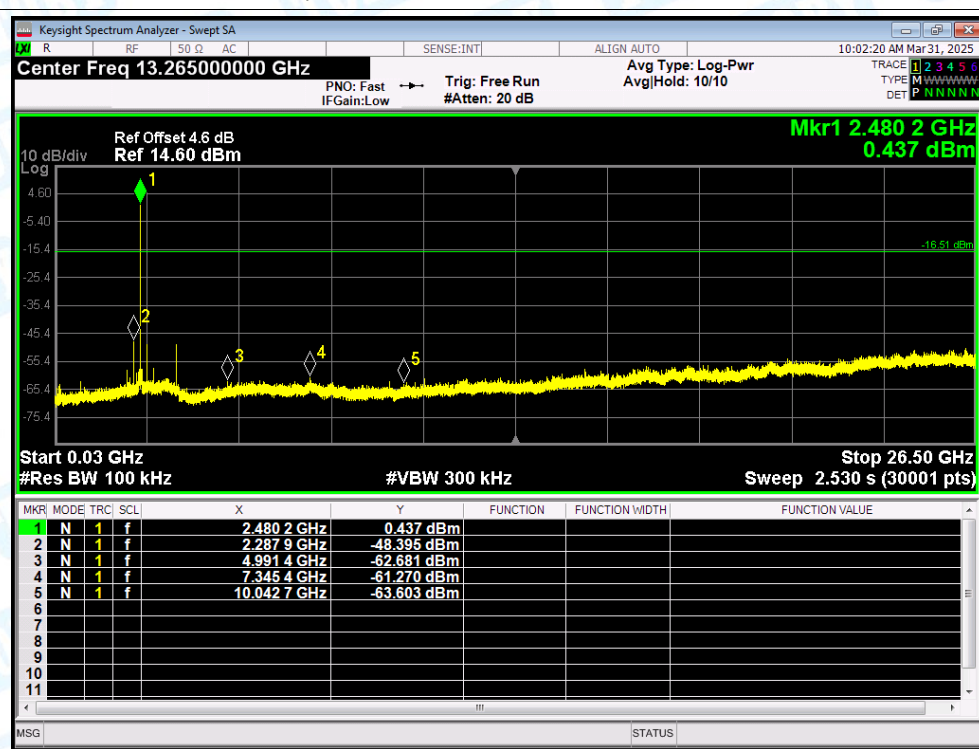
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



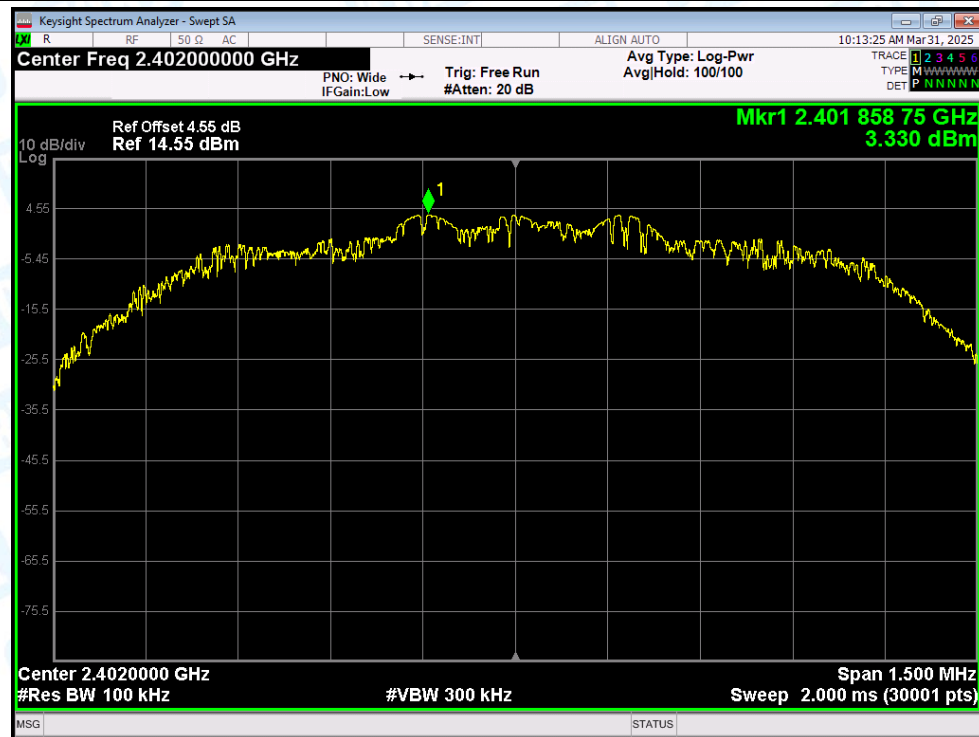
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



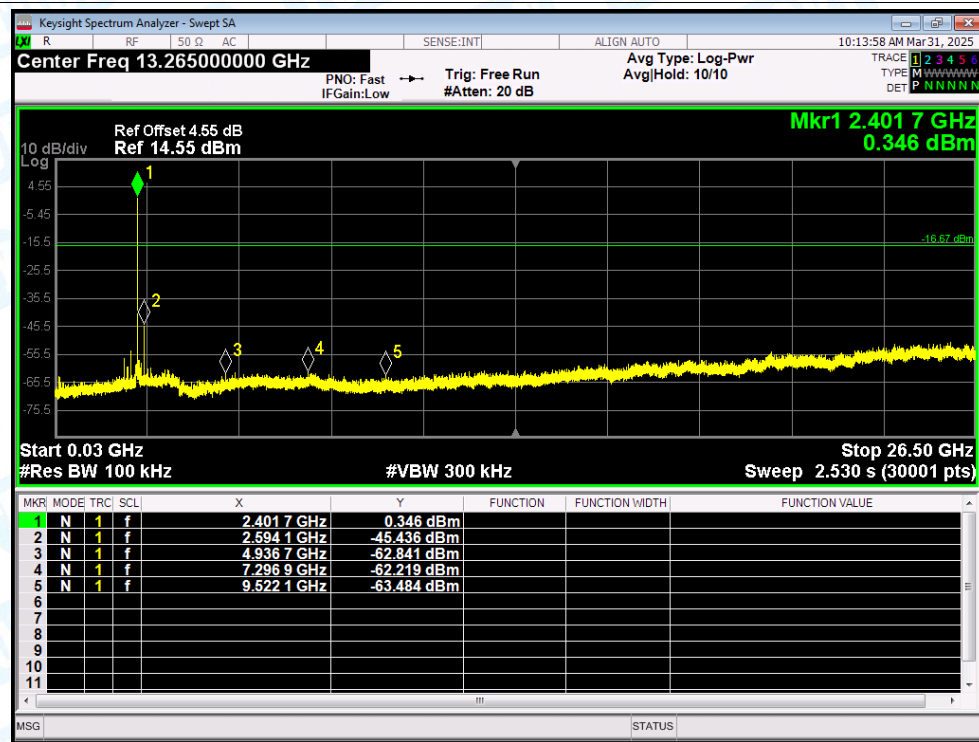
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



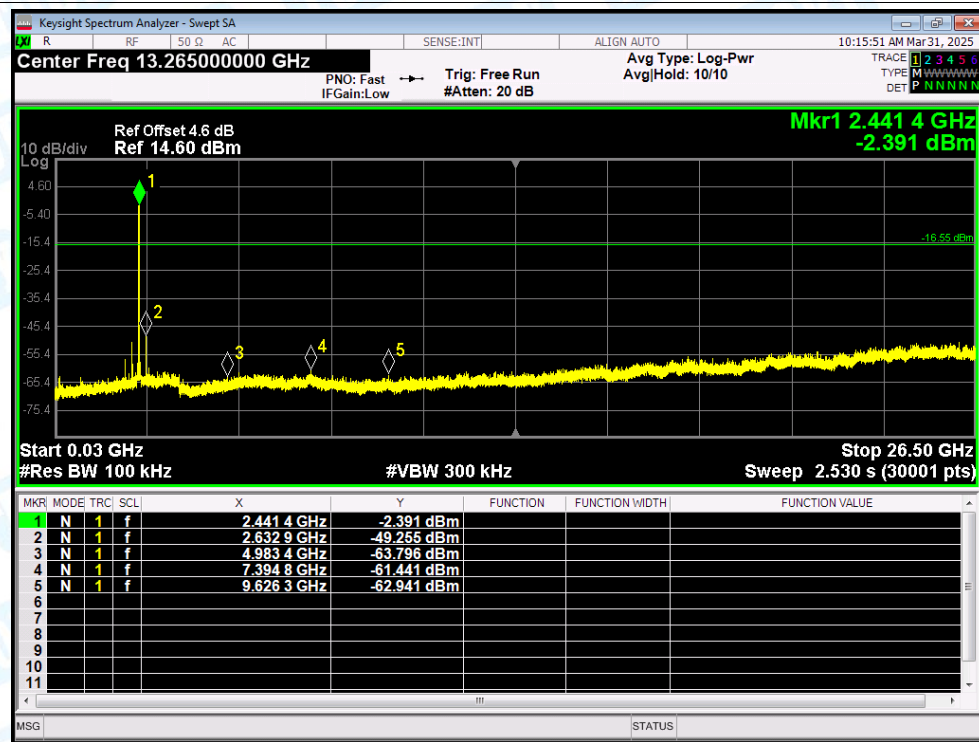
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



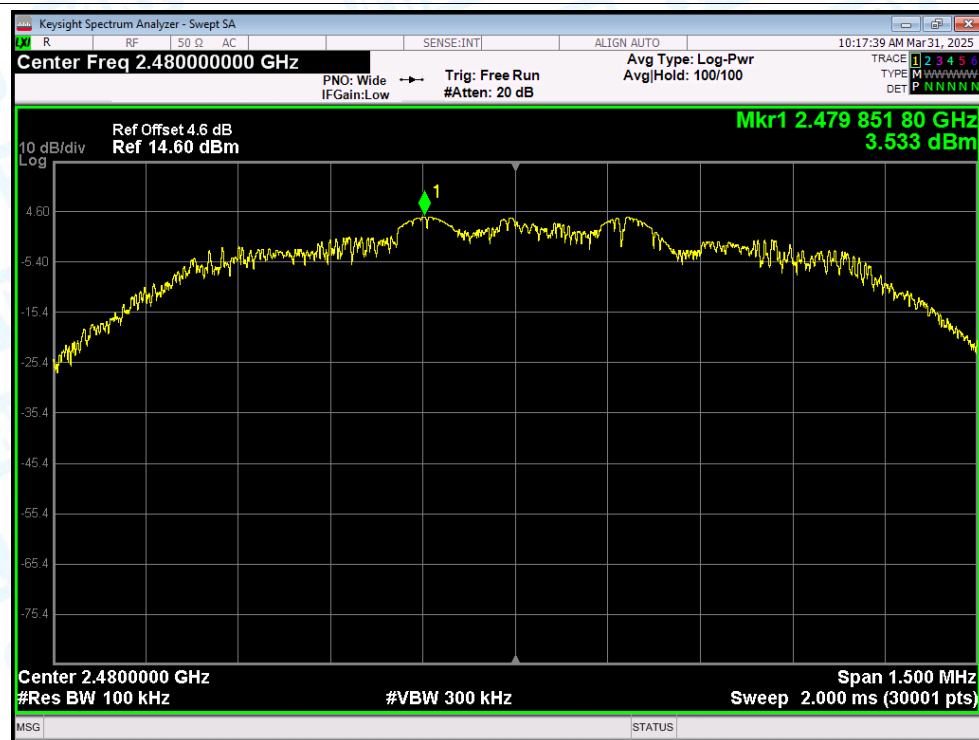
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



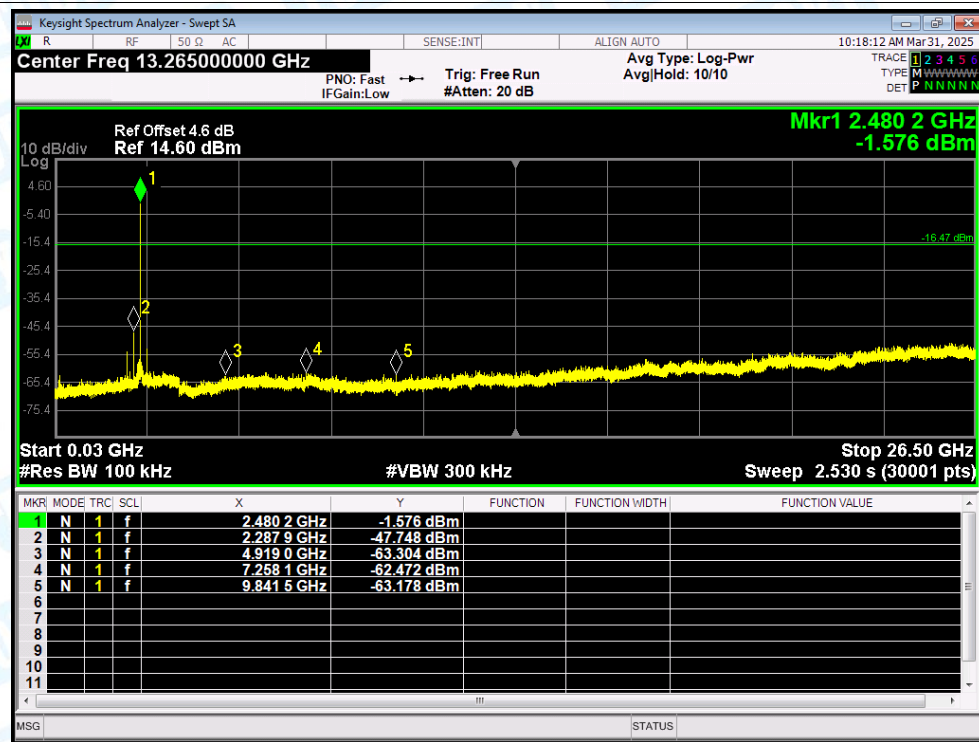
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission

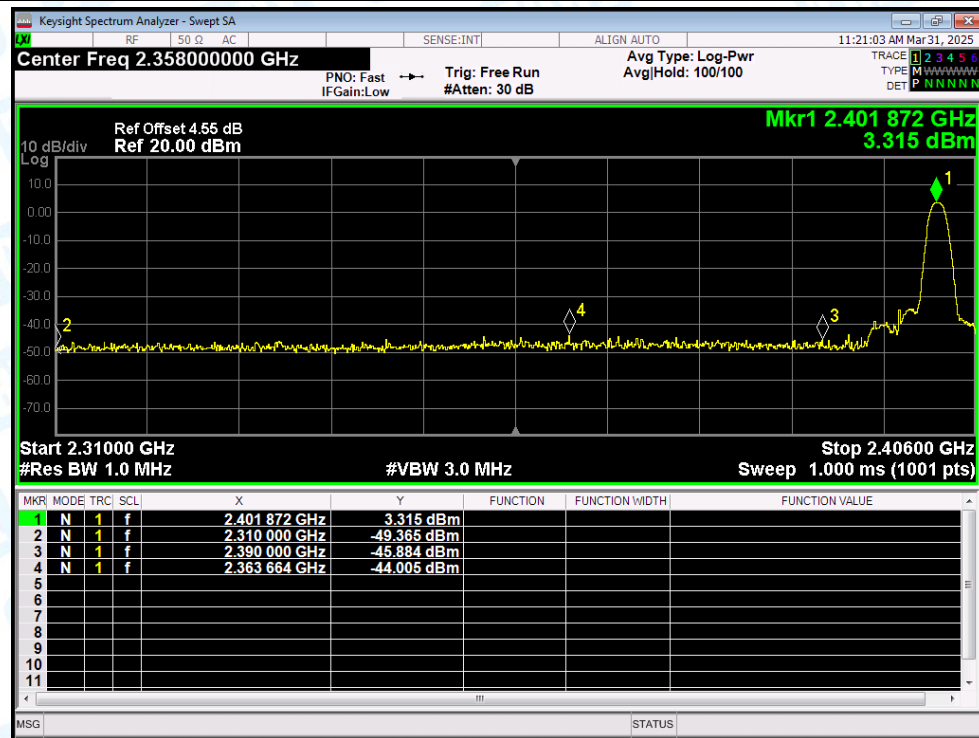


## 8. Restrict Band

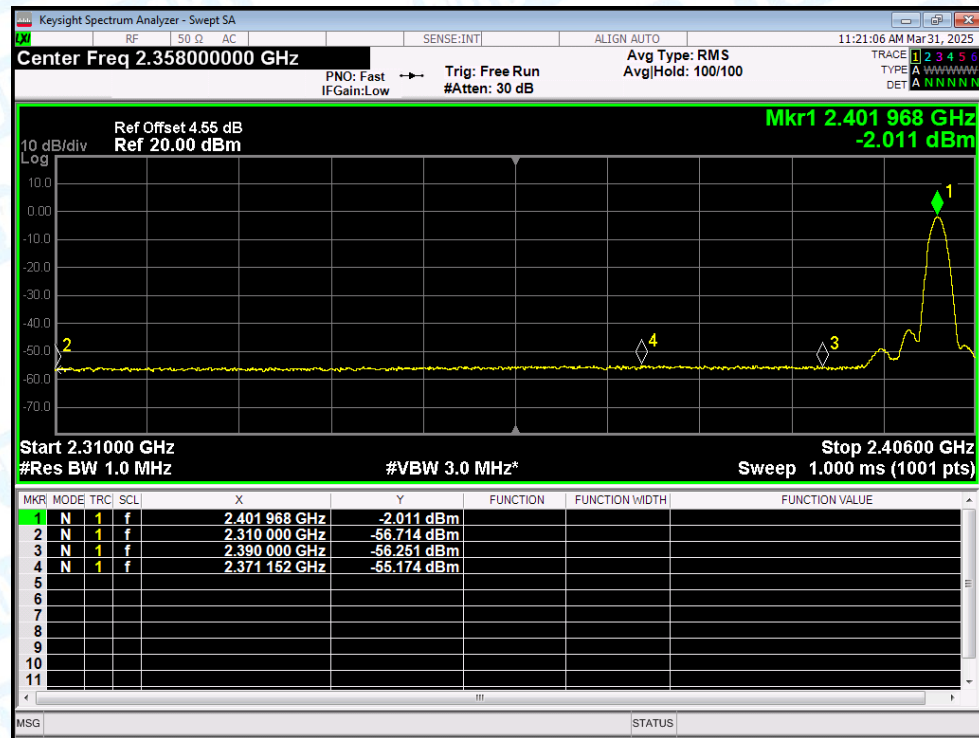
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | Duty Factor (dB) | E (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|------------|------------------|------------|----------|----------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -49.37      | 2          | -                | 47.89      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -56.71      | 2          | 5.06             | 45.61      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2363.664        | -44.01      | 2          | -                | 53.25      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2371.152        | -55.17      | 2          | 5.06             | 47.15      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -45.88      | 2          | -                | 51.38      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -56.25      | 2          | 5.06             | 46.07      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -37.67      | 2          | -                | 59.59      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -48.94      | 2          | 5.17             | 53.49      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.512        | -37.67      | 2          | -                | 59.59      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.512        | -48.94      | 2          | 5.17             | 53.49      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -47.45      | 2          | -                | 49.81      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -55.74      | 2          | 5.17             | 46.69      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -48.93      | 2          | -                | 48.33      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -56.68      | 2          | 5.06             | 45.64      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2369.04         | -43.65      | 2          | -                | 53.61      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2366.256        | -54.85      | 2          | 5.06             | 47.47      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -46.9       | 2          | -                | 50.36      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -56.22      | 2          | 5.06             | 46.1       | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -38.55      | 2          | -                | 58.71      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -50.29      | 2          | 5.06             | 52.03      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.512        | -38.55      | 2          | -                | 58.71      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.656        | -49.54      | 2          | 5.06             | 52.78      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -46.62      | 2          | -                | 50.64      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -55.12      | 2          | 5.06             | 47.2       | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -48.71      | 2          | -                | 48.55      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -56.92      | 2          | 4.95             | 45.29      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2366.832        | -44.06      | 2          | -                | 53.2       | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2359.632        | -54.88      | 2          | 4.95             | 47.33      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -47.67      | 2          | -                | 49.59      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -55.75      | 2          | 4.95             | 46.46      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -37.97      | 2          | -                | 59.29      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -50.43      | 2          | 4.95             | 51.78      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.512        | -37.97      | 2          | -                | 59.29      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.536        | -49.43      | 2          | 4.95             | 52.78      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -47.3       | 2          | -                | 49.96      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -55.02      | 2          | 4.95             | 47.19      | Average  | 54             | Pass    |

### Test Graphs

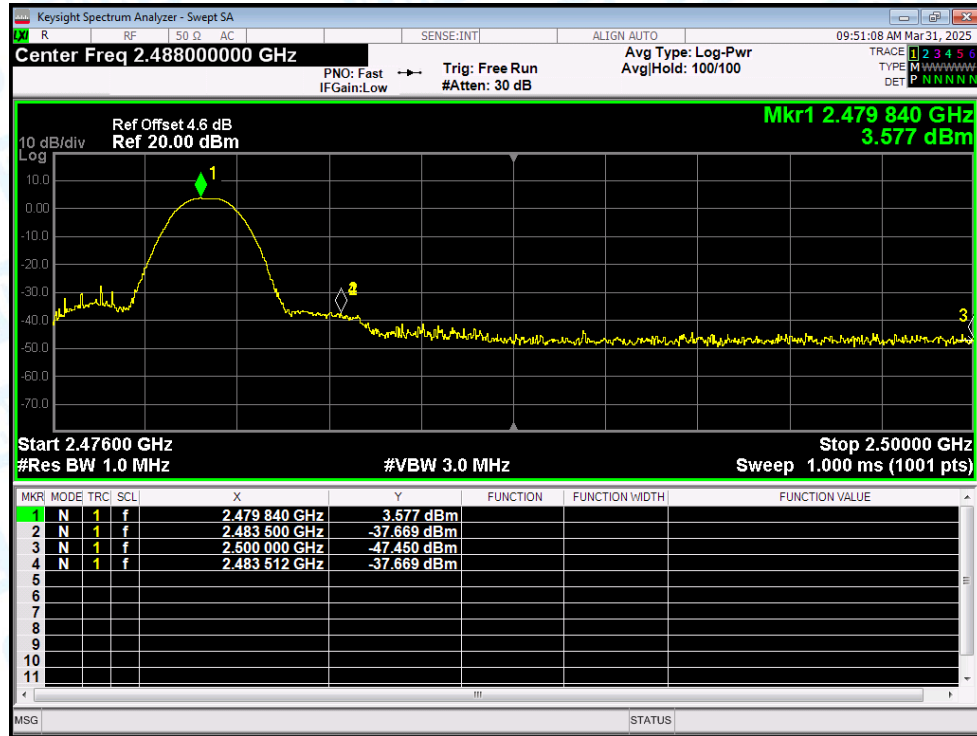
#### Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Peak



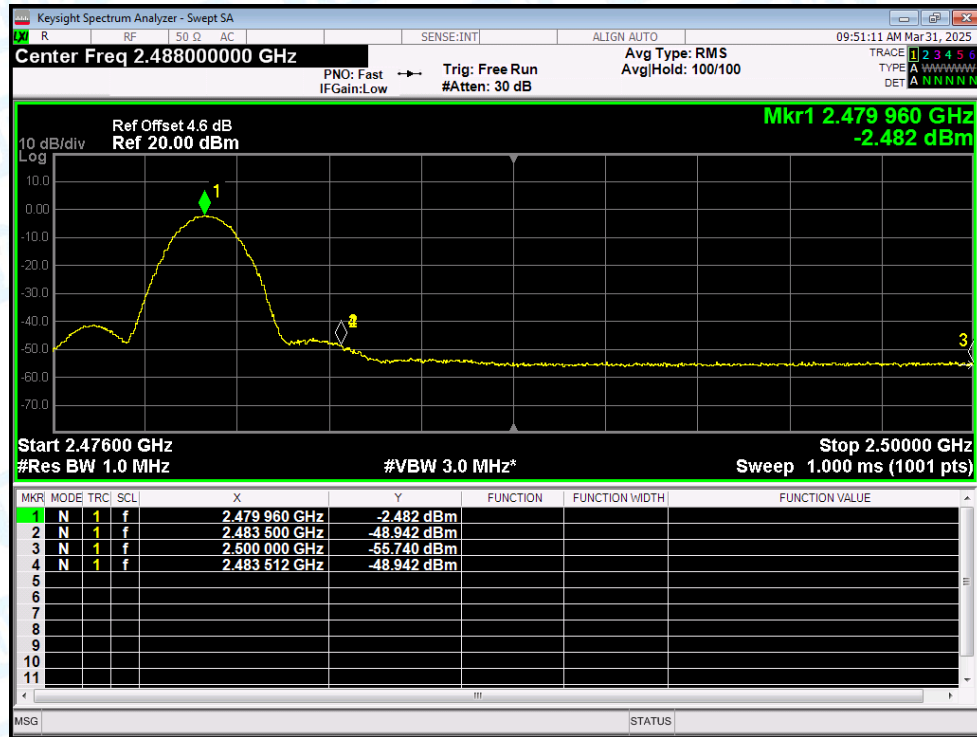
#### Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Average



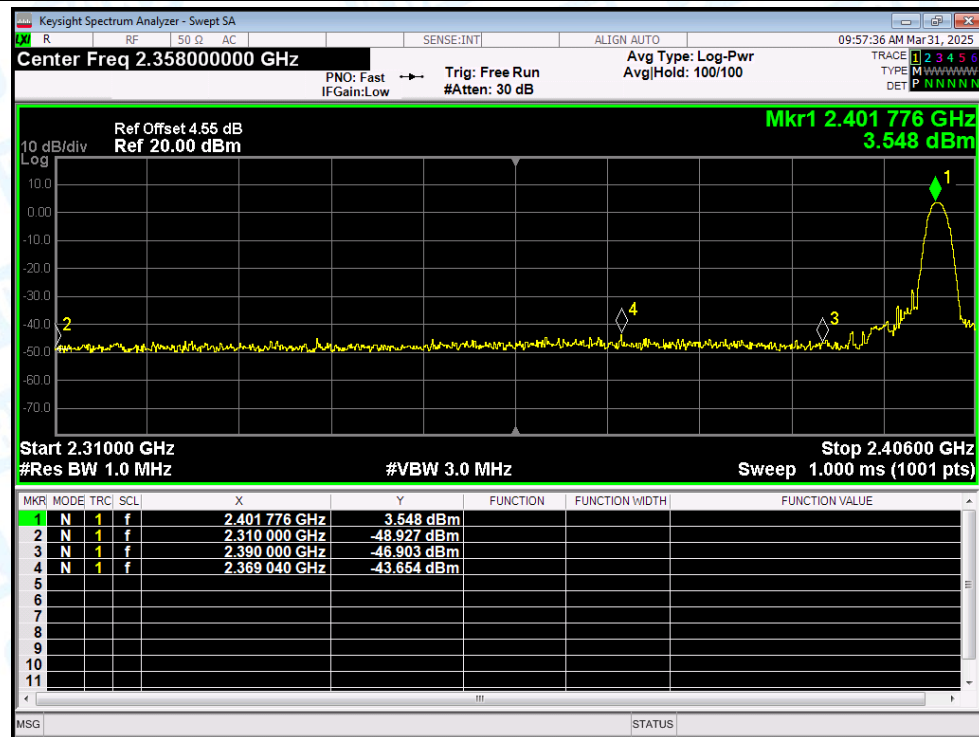
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Peak



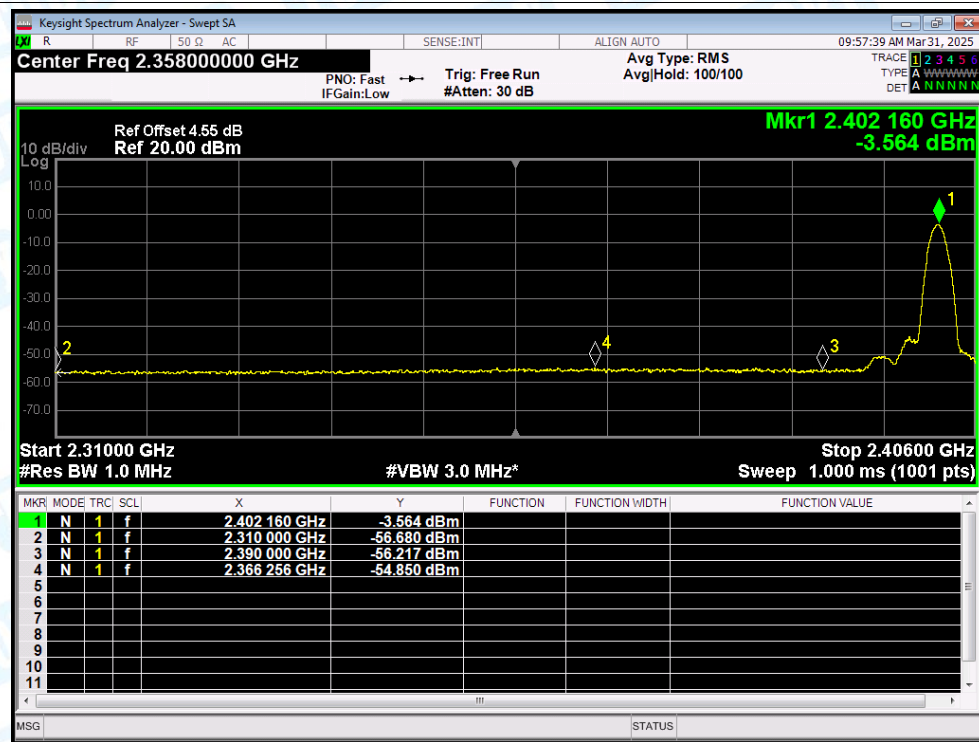
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Average



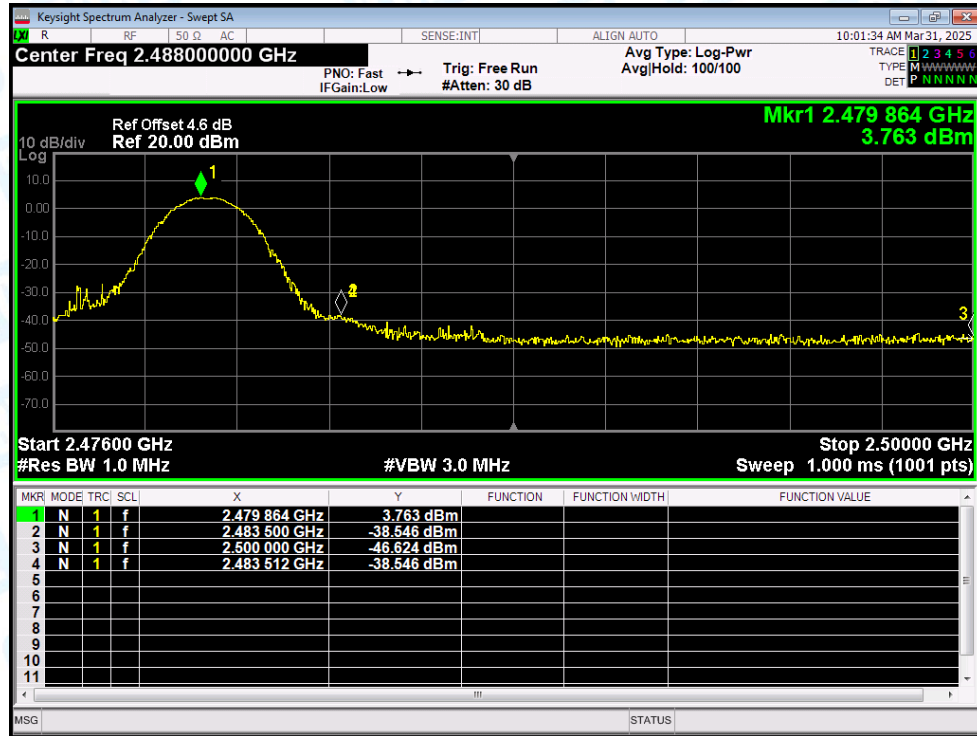
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Peak



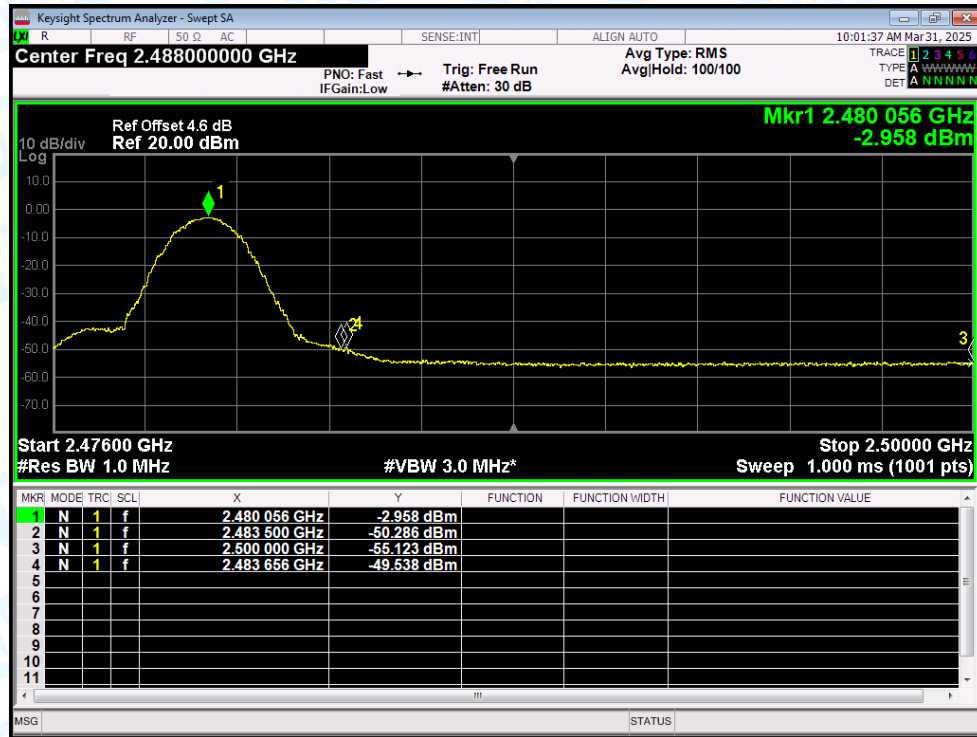
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Average



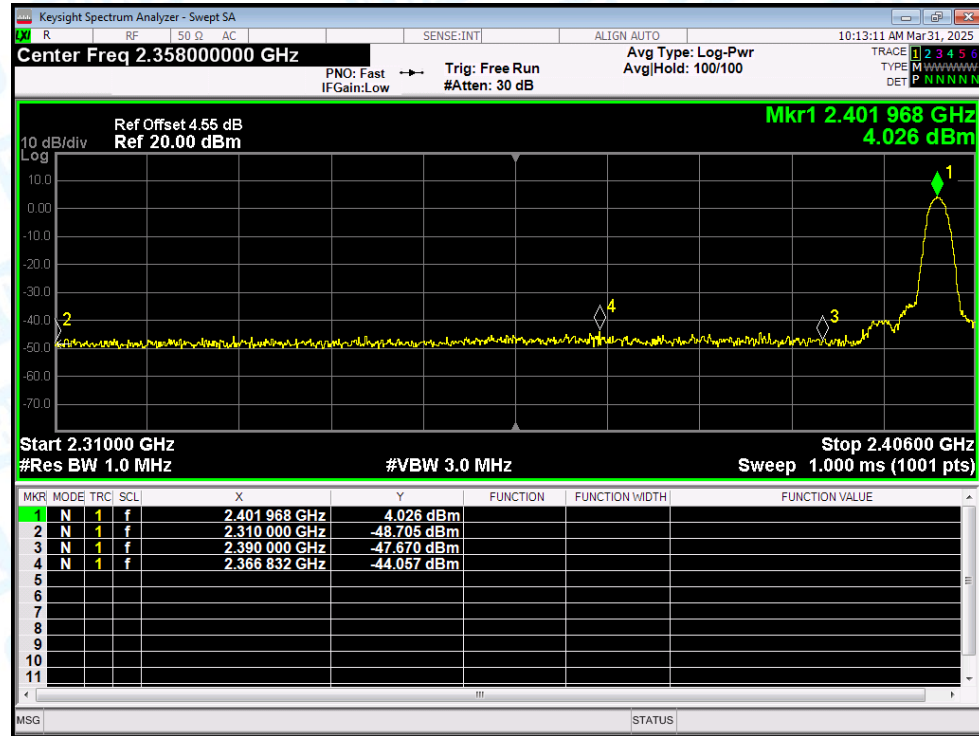
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Peak



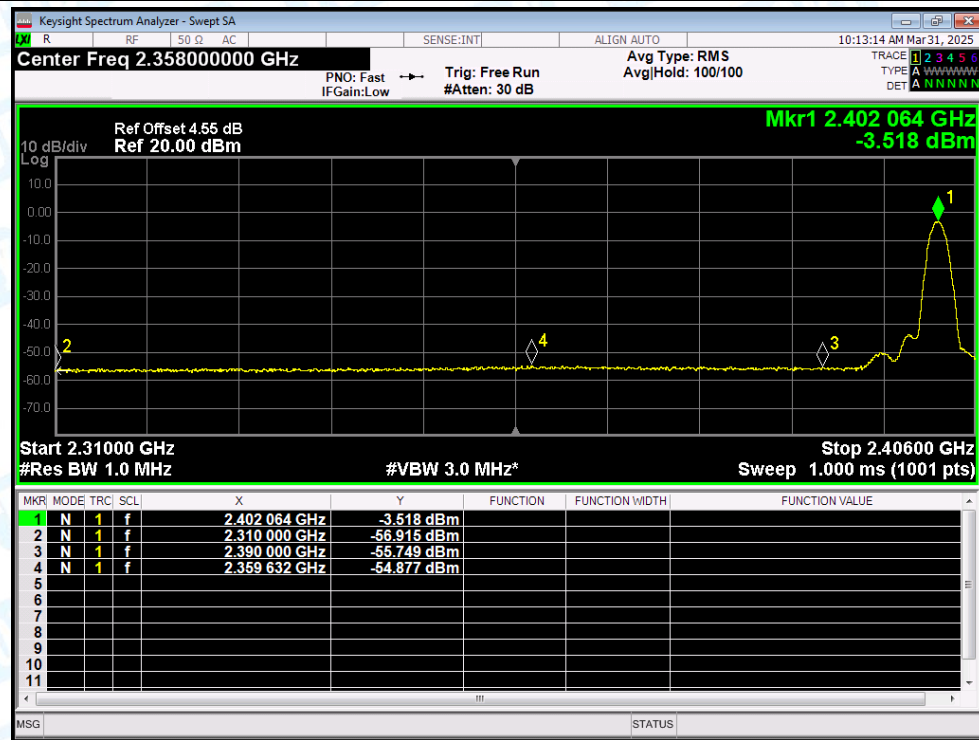
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Average



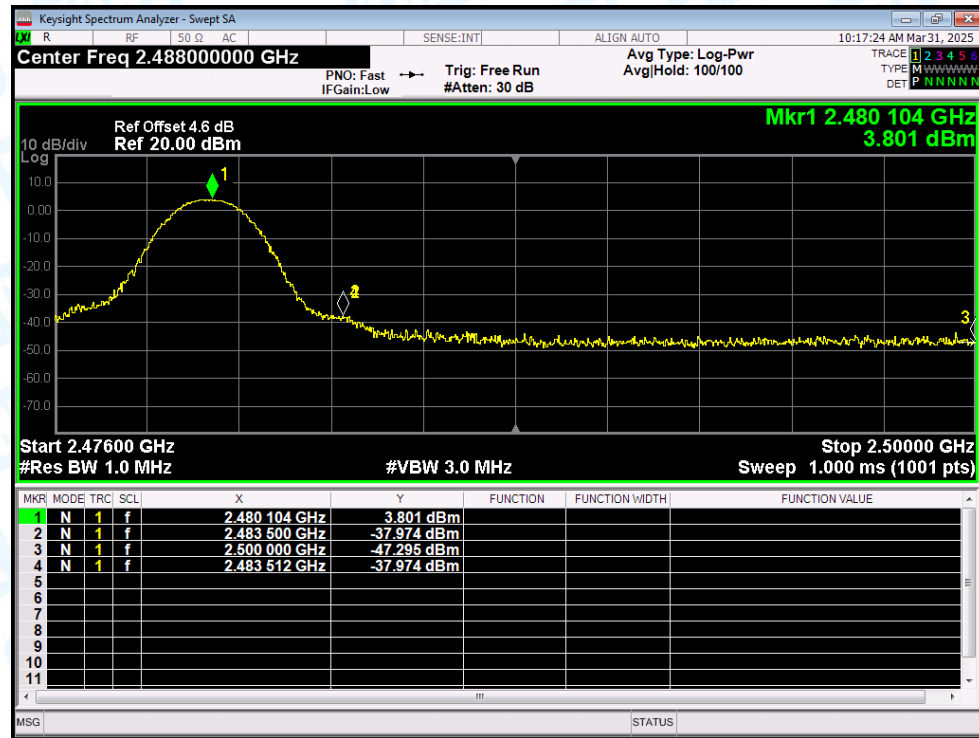
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Peak



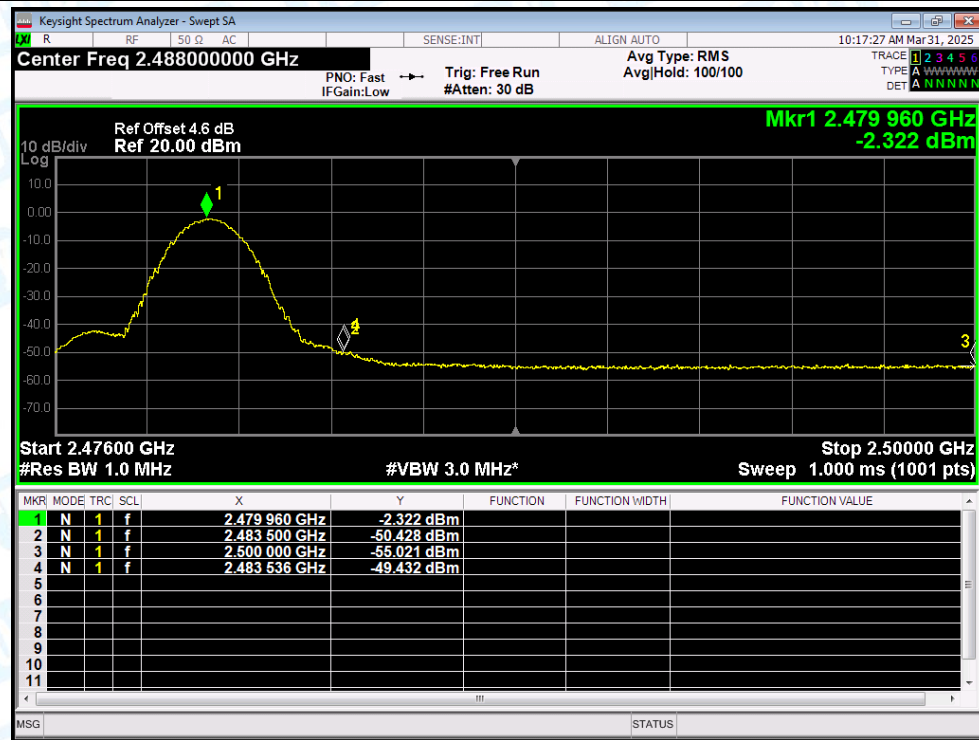
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Average



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



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

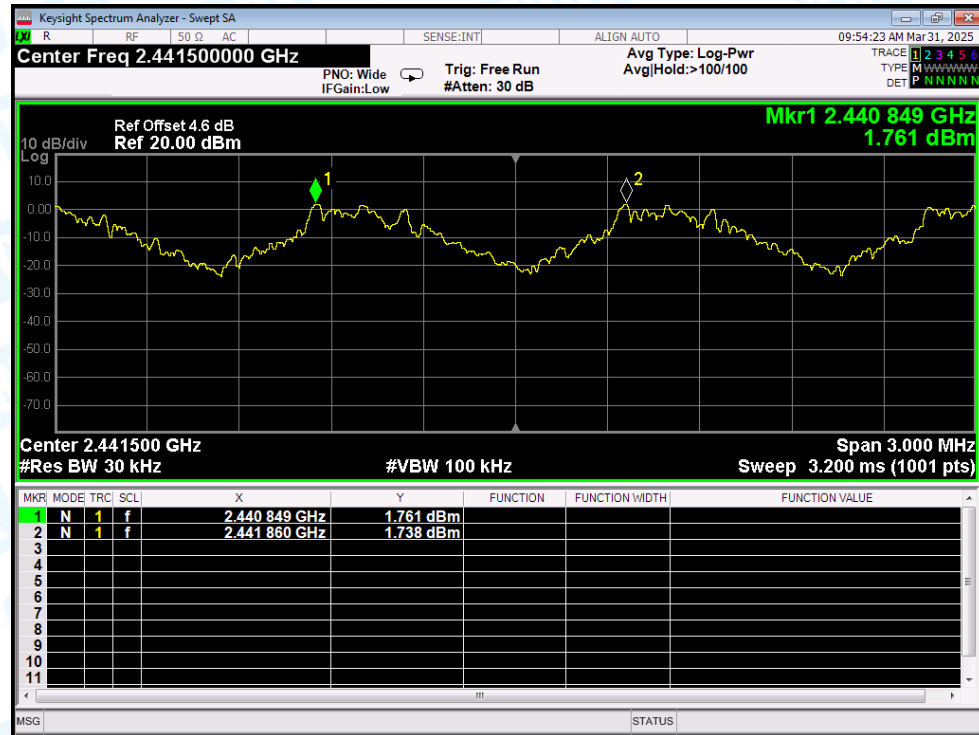


## 9. Carrier Frequencies Separation

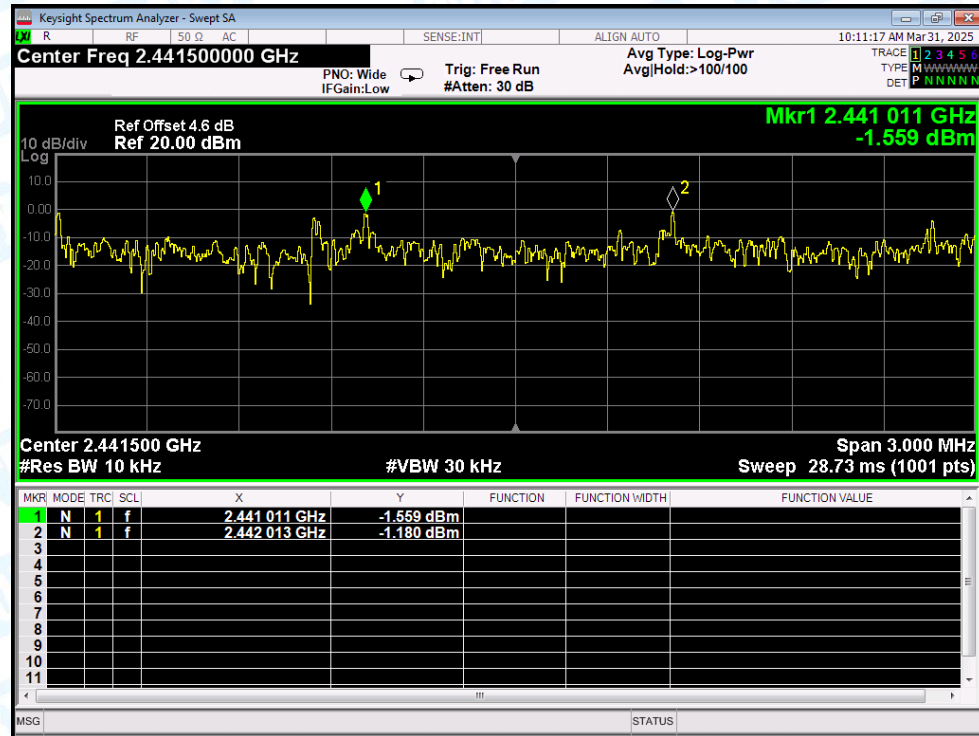
| Condition | Mode  | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|-----------|-------|---------|---------------------|---------------------|-----------|-------------|---------|
| NVNT      | 1-DH1 | Ant1    | 2440.849            | 2441.86             | 1.011     | 0.573       | Pass    |
| NVNT      | 2-DH1 | Ant1    | 2441.011            | 2442.013            | 1.002     | 0.827       | Pass    |
| NVNT      | 3-DH1 | Ant1    | 2441.008            | 2441.854            | 0.846     | 0.827       | Pass    |

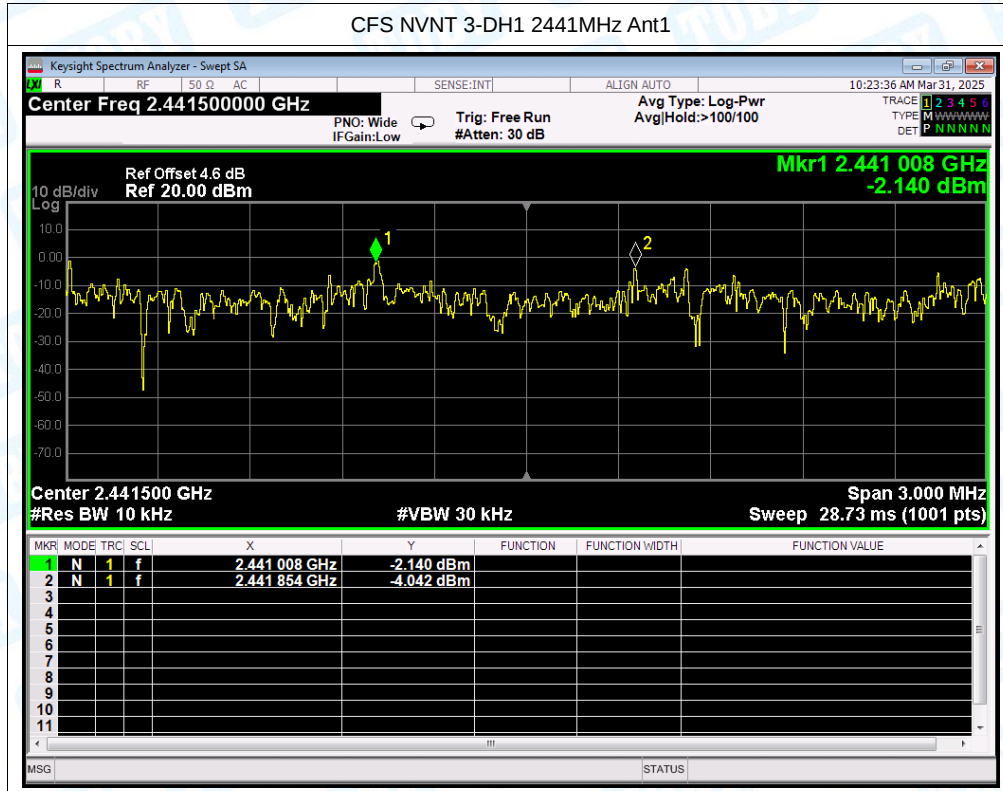
### Test Graphs

CFS NVNT 1-DH1 2441MHz Ant1



CFS NVNT 2-DH1 2441MHz Ant1



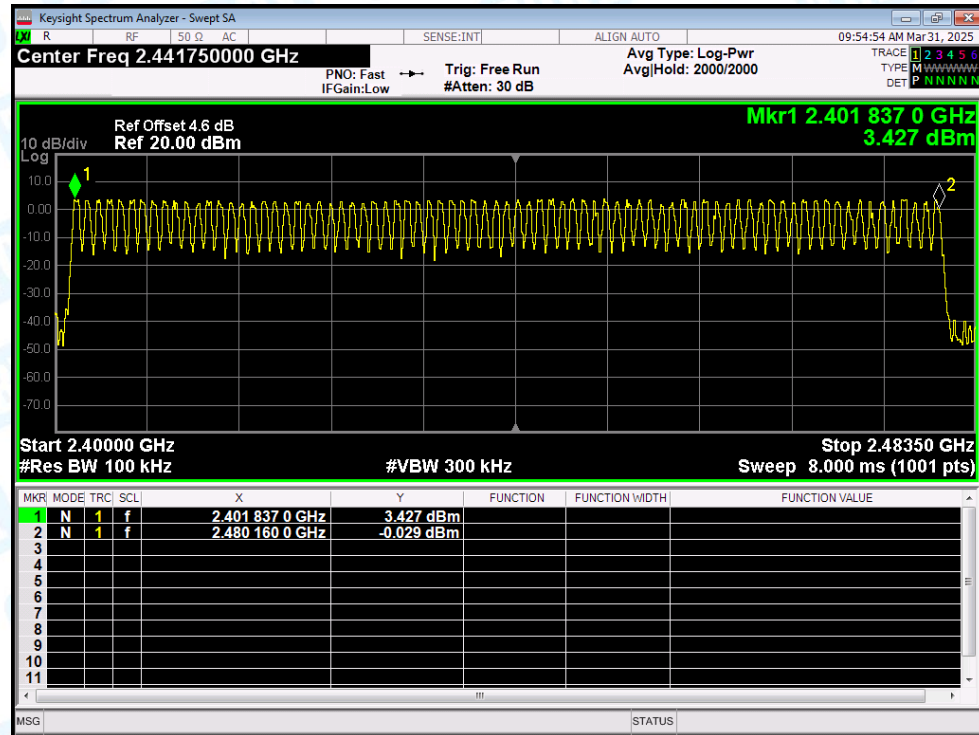


## 10. Number of Hopping Channel

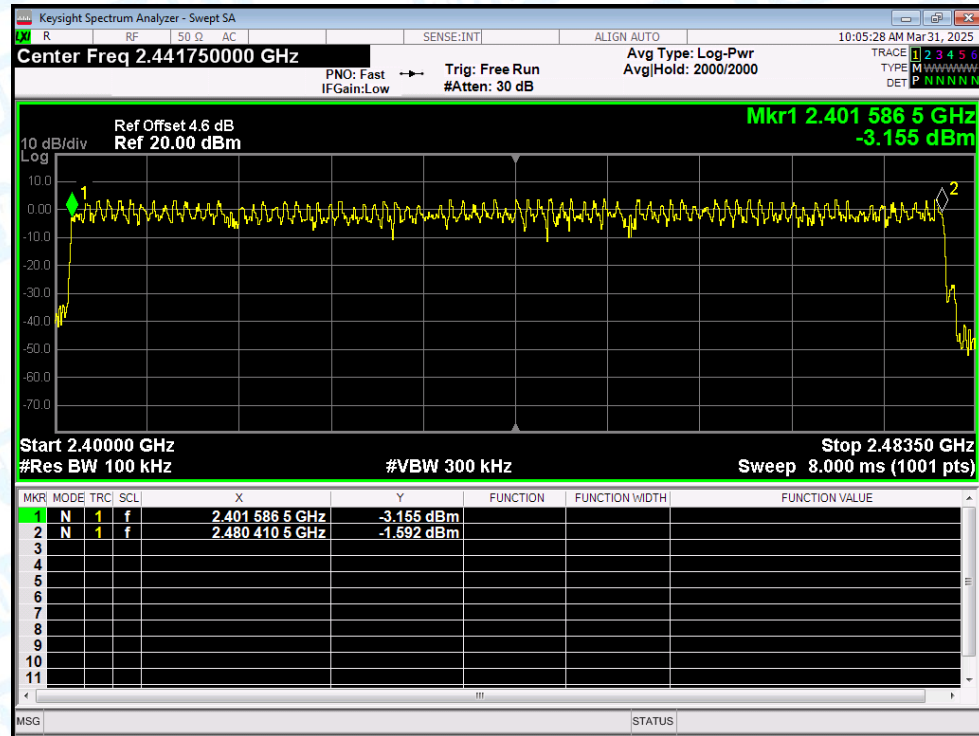
| Condition | Mode  | Antenna | Hopping Number | Limit | Verdict |
|-----------|-------|---------|----------------|-------|---------|
| NVNT      | 1-DH1 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 2-DH1 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 3-DH1 | Ant1    | 79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

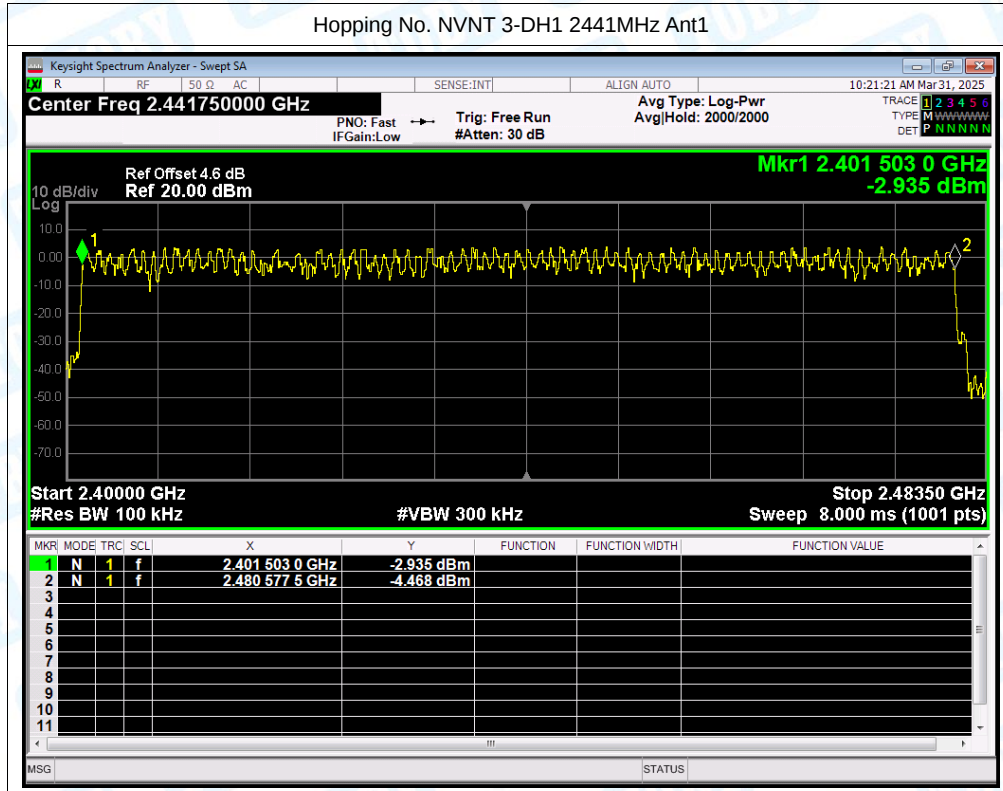
### Test Graphs

Hopping No. NVNT 1-DH1 2441MHz Ant1



Hopping No. NVNT 2-DH1 2441MHz Ant1



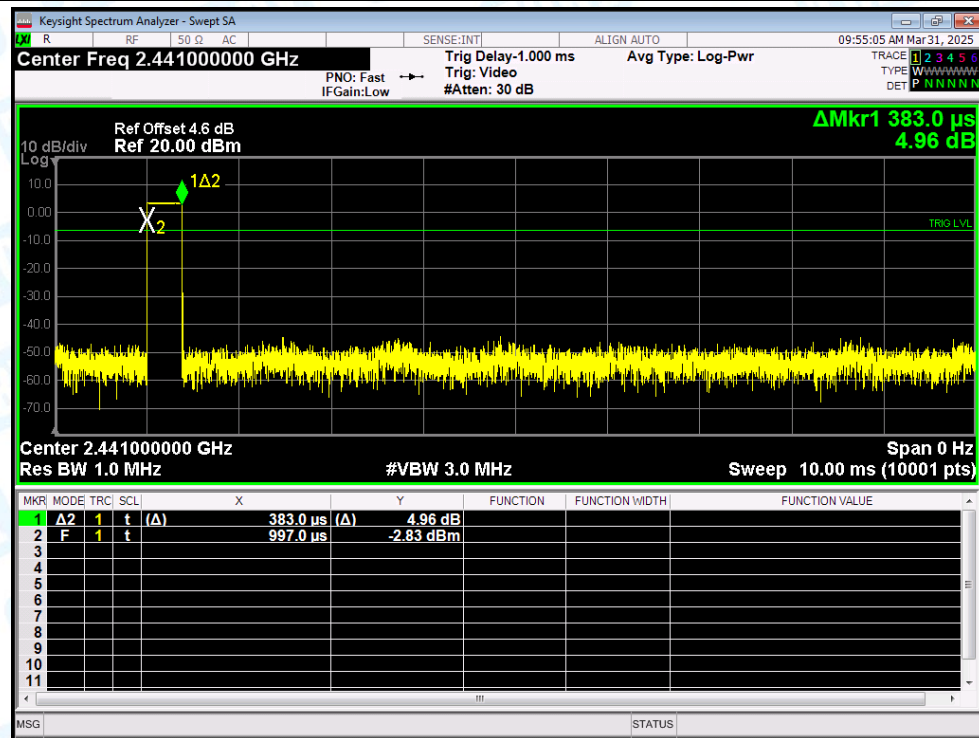


## 11. Dwell Time

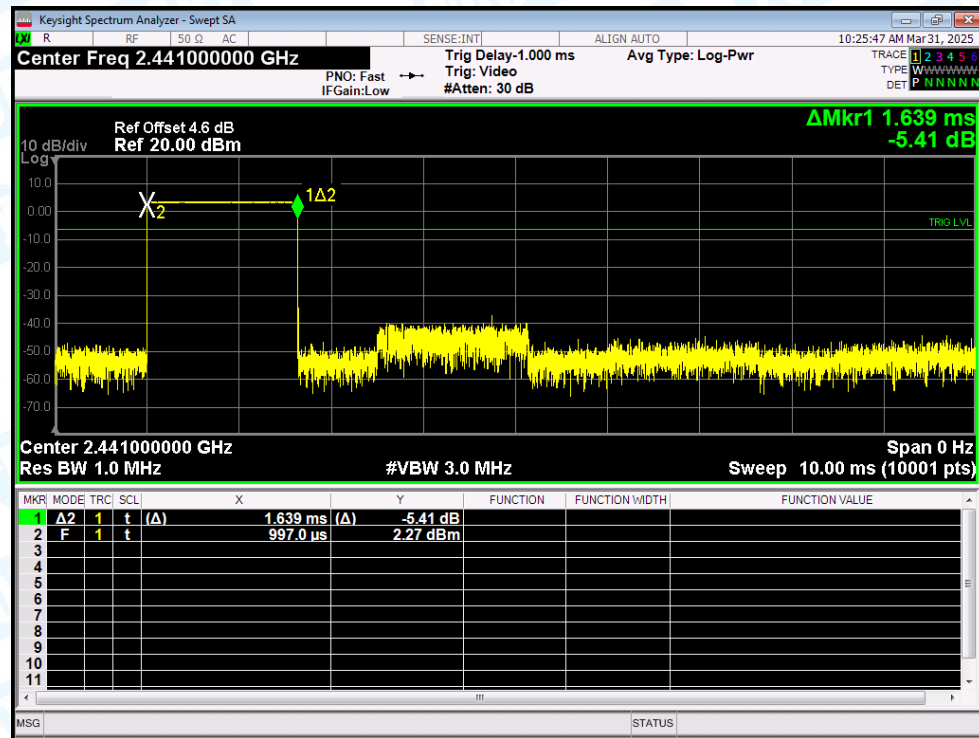
| Condition | Mode  | Frequency (MHz) | Antenna | Pulse Time (ms) | Total Dwell Time (ms) | Period Time (ms) | Limit (ms) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-----------------------|------------------|------------|---------|
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.383           | 122.56                | 31600            | 400        | Pass    |
| NVNT      | 1-DH3 | 2441            | Ant1    | 1.639           | 262.24                | 31600            | 400        | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 2.887           | 307.947               | 31600            | 400        | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 0.391           | 125.12                | 31600            | 400        | Pass    |
| NVNT      | 2-DH3 | 2441            | Ant1    | 1.644           | 263.04                | 31600            | 400        | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | 2.892           | 308.48                | 31600            | 400        | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 0.392           | 125.44                | 31600            | 400        | Pass    |
| NVNT      | 3-DH3 | 2441            | Ant1    | 1.643           | 262.88                | 31600            | 400        | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 2.894           | 308.693               | 31600            | 400        | Pass    |

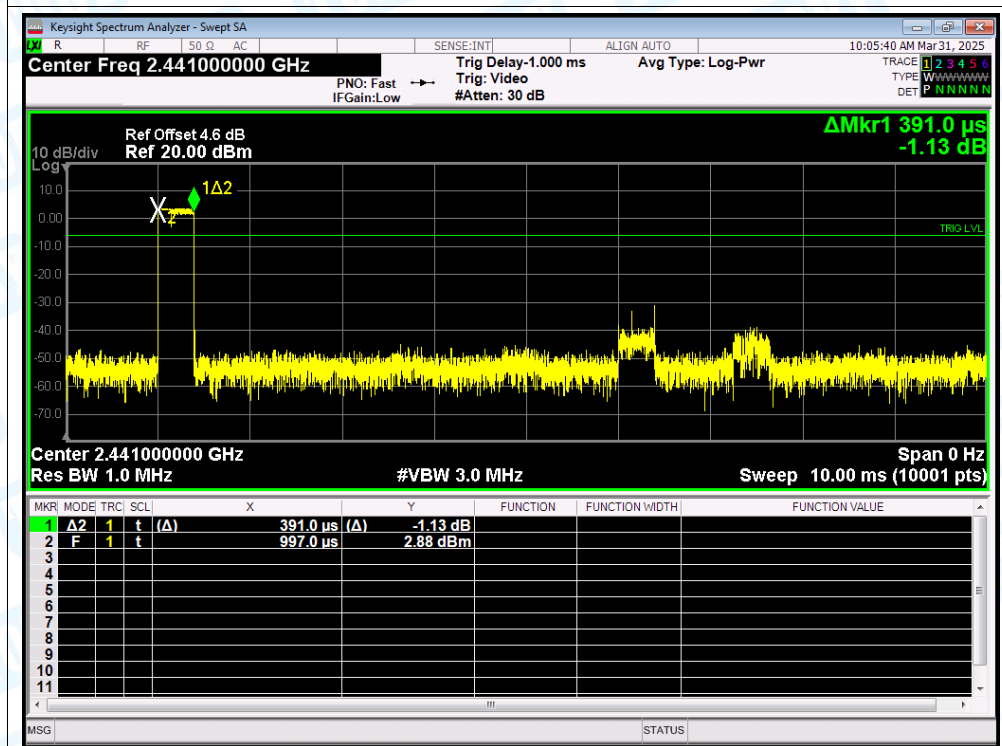
### Test Graphs

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

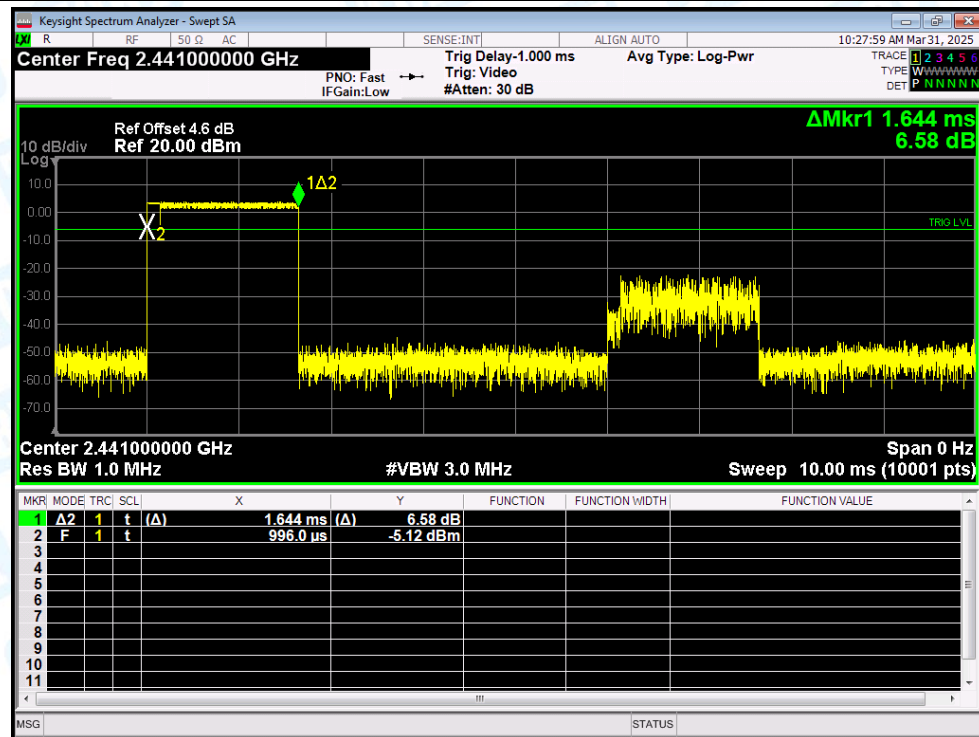


#### Dwell NVNT 1-DH3 2441MHz Ant1

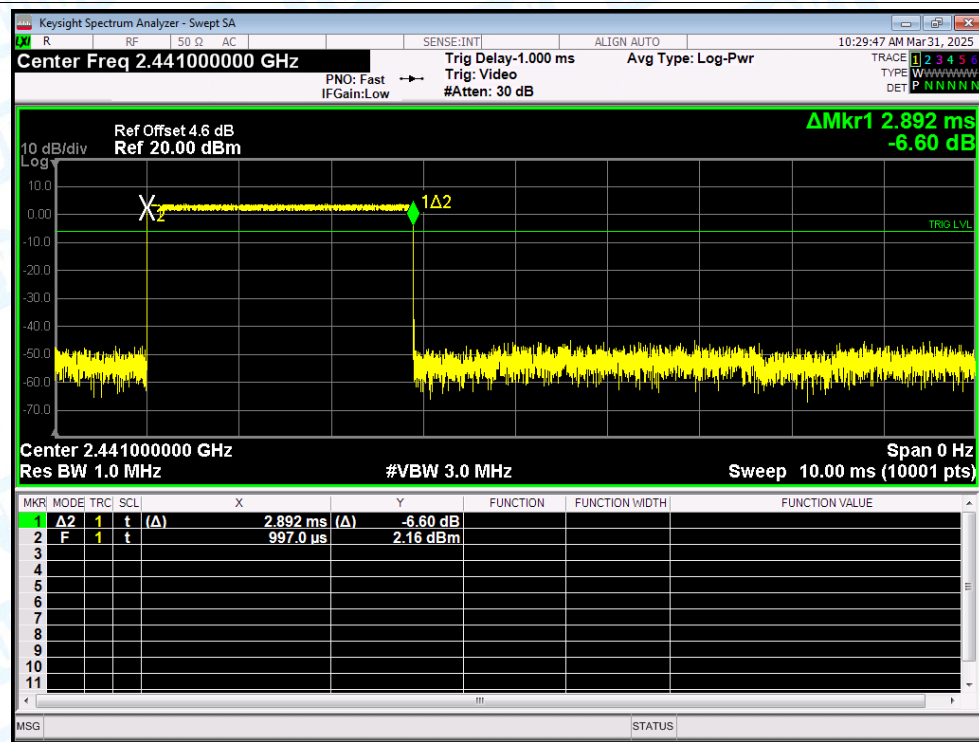




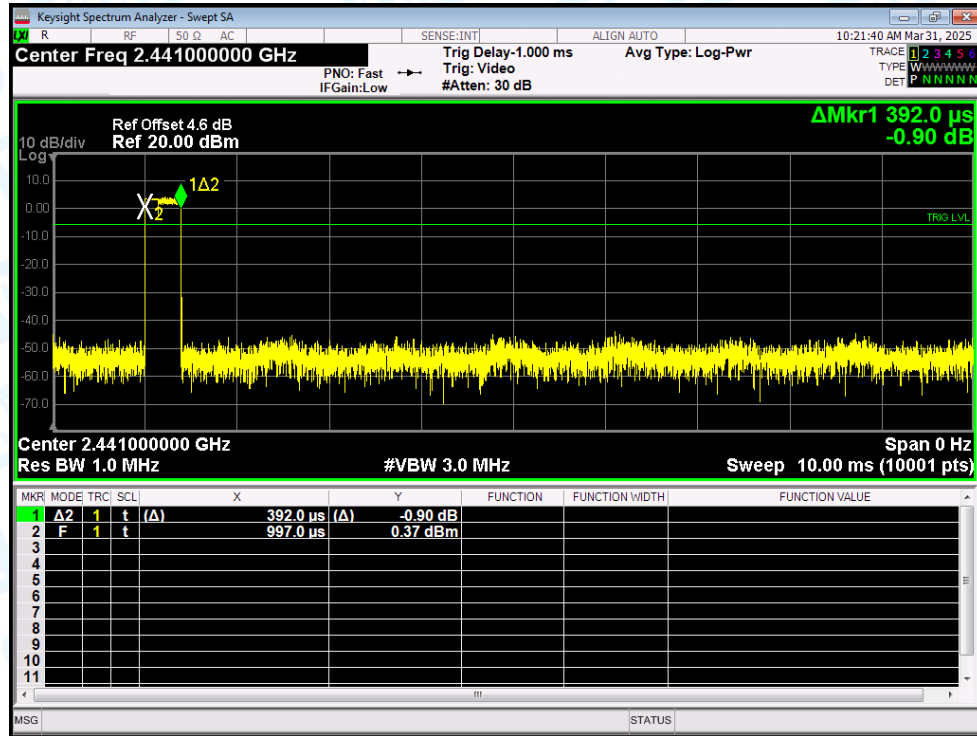
Dwell NVNT 2-DH3 2441MHz Ant1



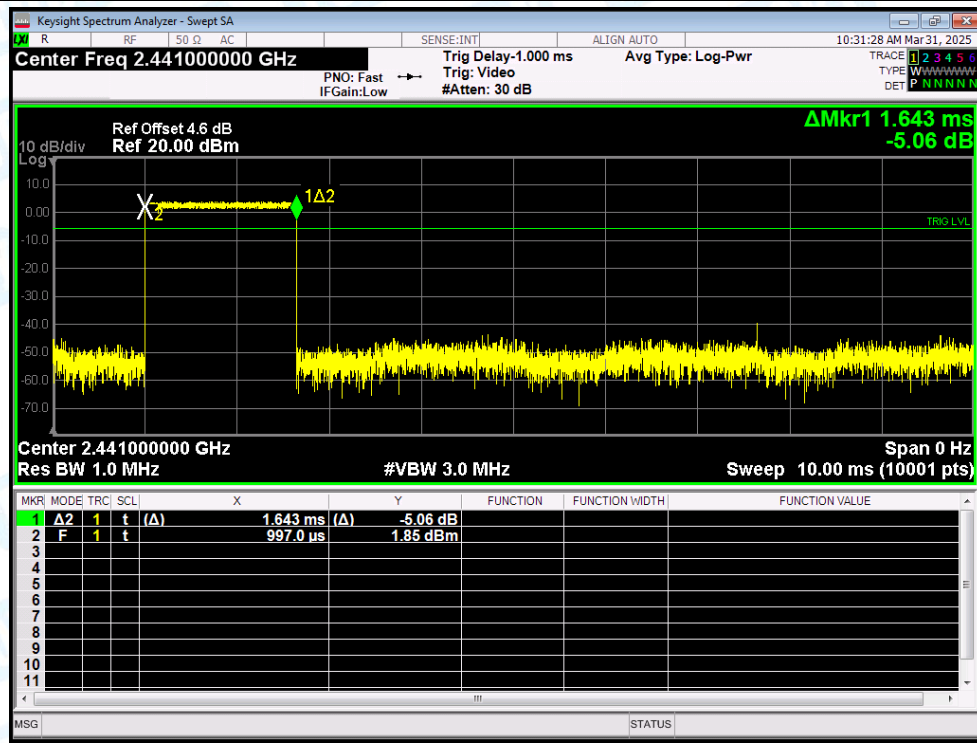
Dwell NVNT 2-DH5 2441MHz Ant1

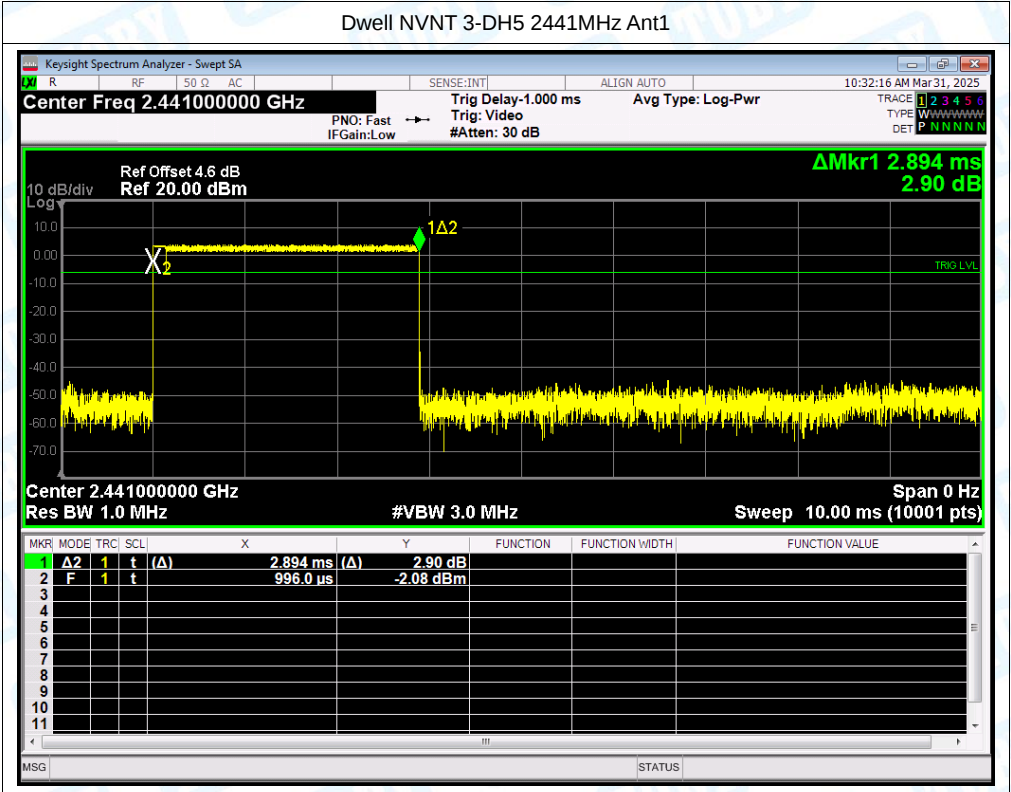


Dwell NVNT 3-DH1 2441MHz Ant1



Dwell NVNT 3-DH3 2441MHz Ant1





--- END OF REPORT ---