

# RF Test Data for Bluetooth (Conducted Measurements)

| General Description of EUT                                                                                                                   |                         |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Product Name:                                                                                                                                | Smart Watch             |
| Test Model:                                                                                                                                  | KT83                    |
| Sample ID:                                                                                                                                   | HC-C-202411-0281-01-02# |
| Environmental Conditions                                                                                                                     |                         |
| Temperature:                                                                                                                                 | 24.2℃                   |
| Relative Humidity:                                                                                                                           | 45%                     |
| Test Voltage:                                                                                                                                | DC 3.8V                 |
| Test Engineer:                                                                                                                               | ZKN Zhou                |
| Note: For a more detailed features description, please refer to the report TBR-C-202411-0281-21<br>The report only show the worst case data. |                         |

## Contents

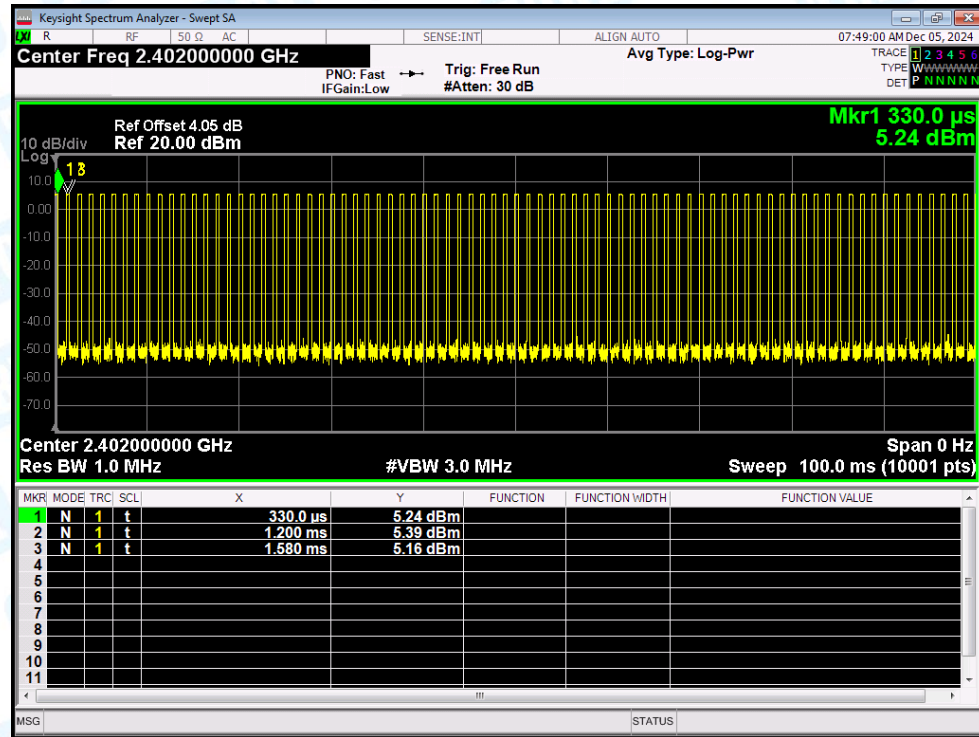
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## 1. Duty Cycle

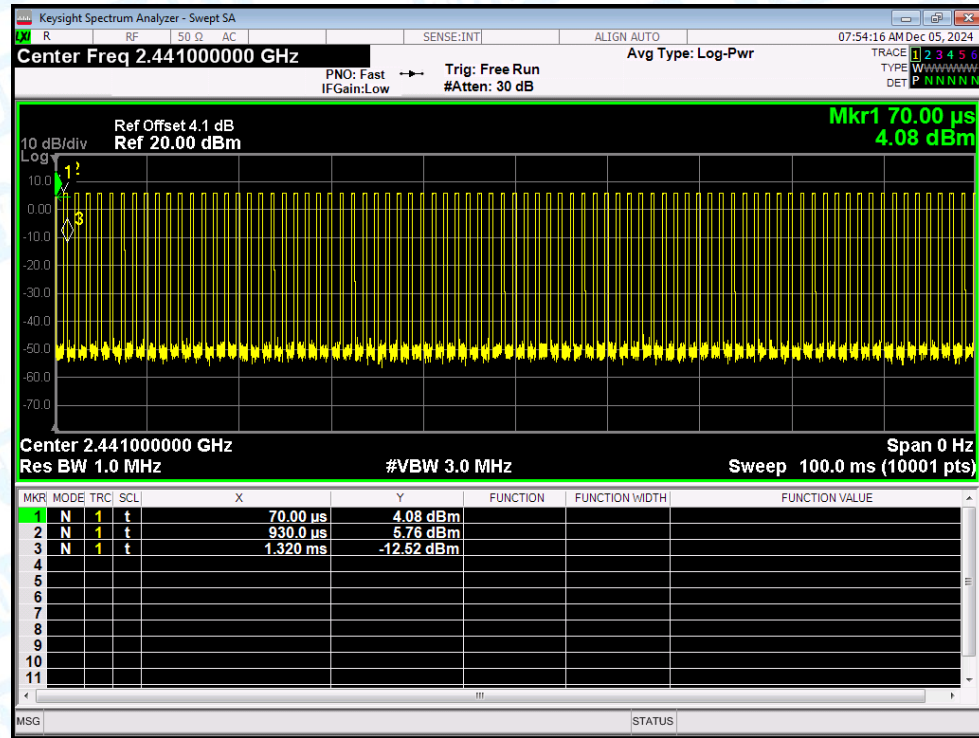
| Condition | Mode  | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|-------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 30.4           | 5.17                   | 2.63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

### Test Graphs

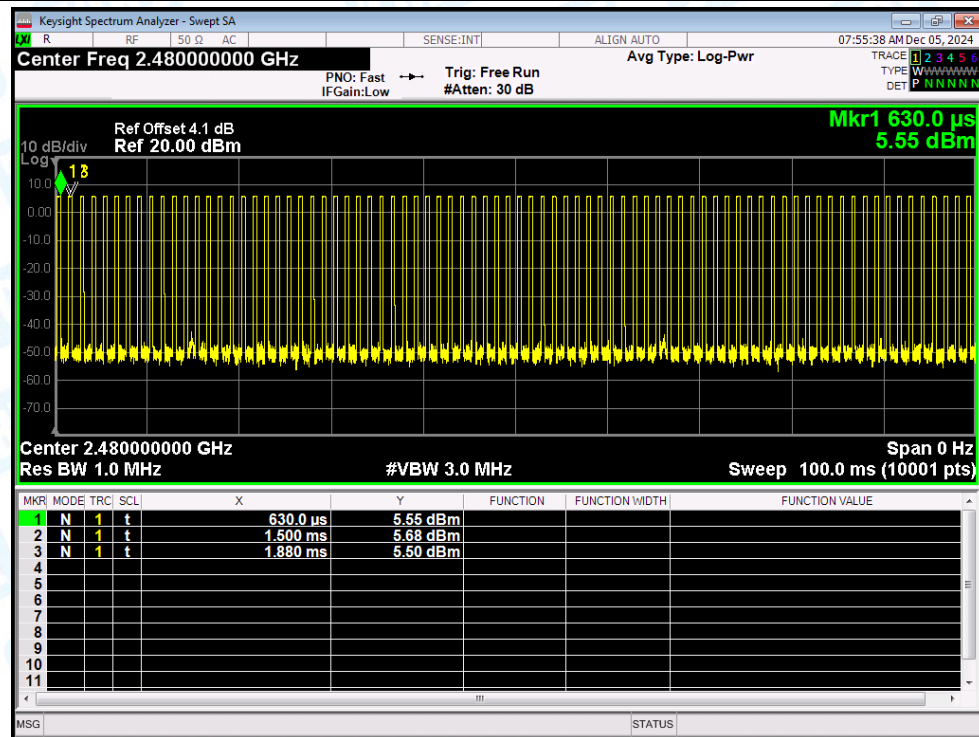
#### Duty Cycle NVNT 1-DH1 2402MHz Ant1



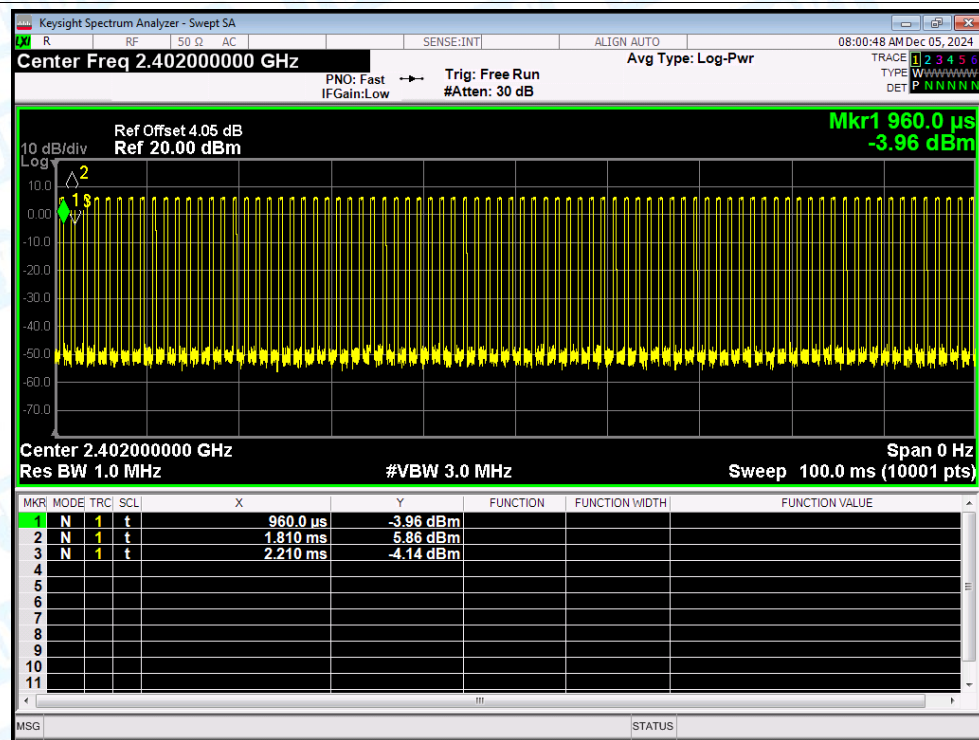
#### Duty Cycle NVNT 1-DH1 2441MHz Ant1



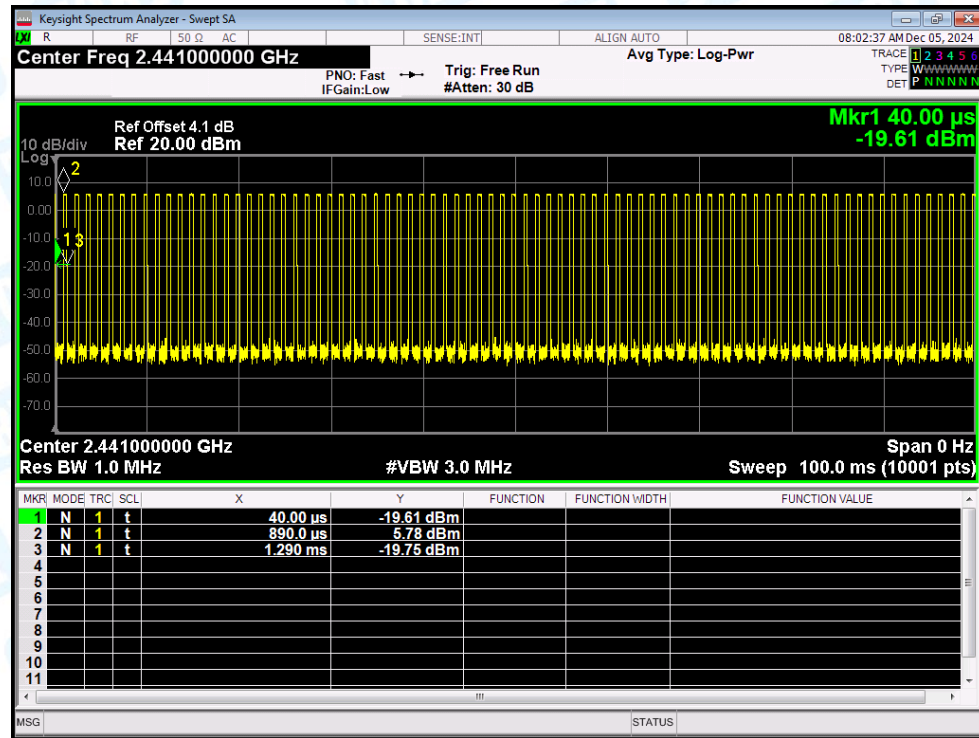
### Duty Cycle NVNT 1-DH1 2480MHz Ant1



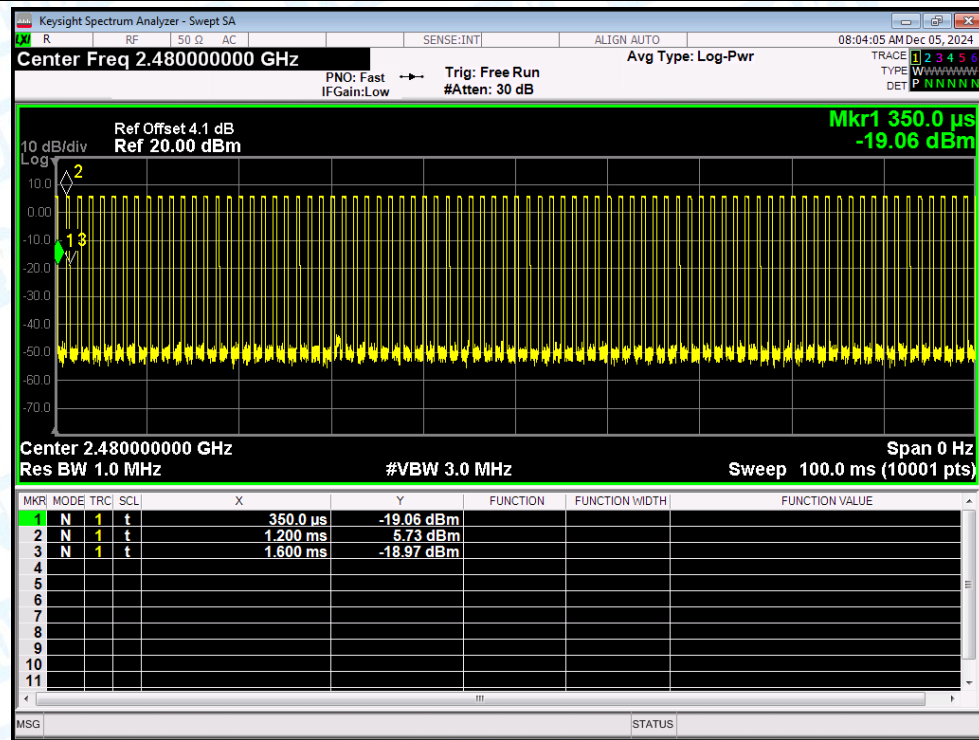
### Duty Cycle NVNT 2-DH1 2402MHz Ant1



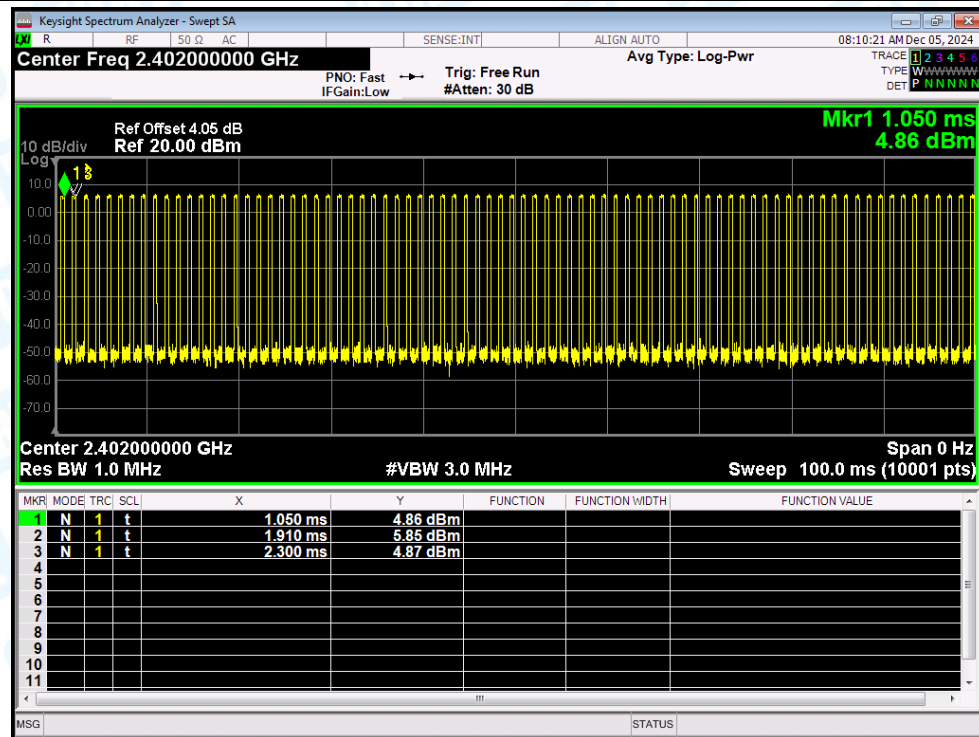
### Duty Cycle NVNT 2-DH1 2441MHz Ant1



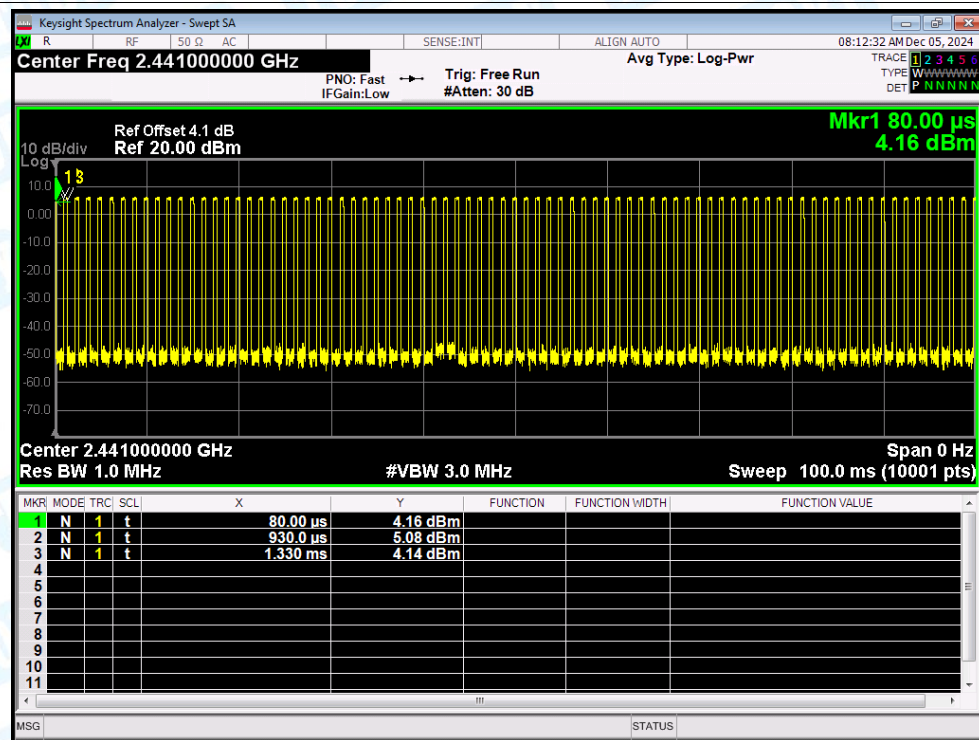
### Duty Cycle NVNT 2-DH1 2480MHz Ant1

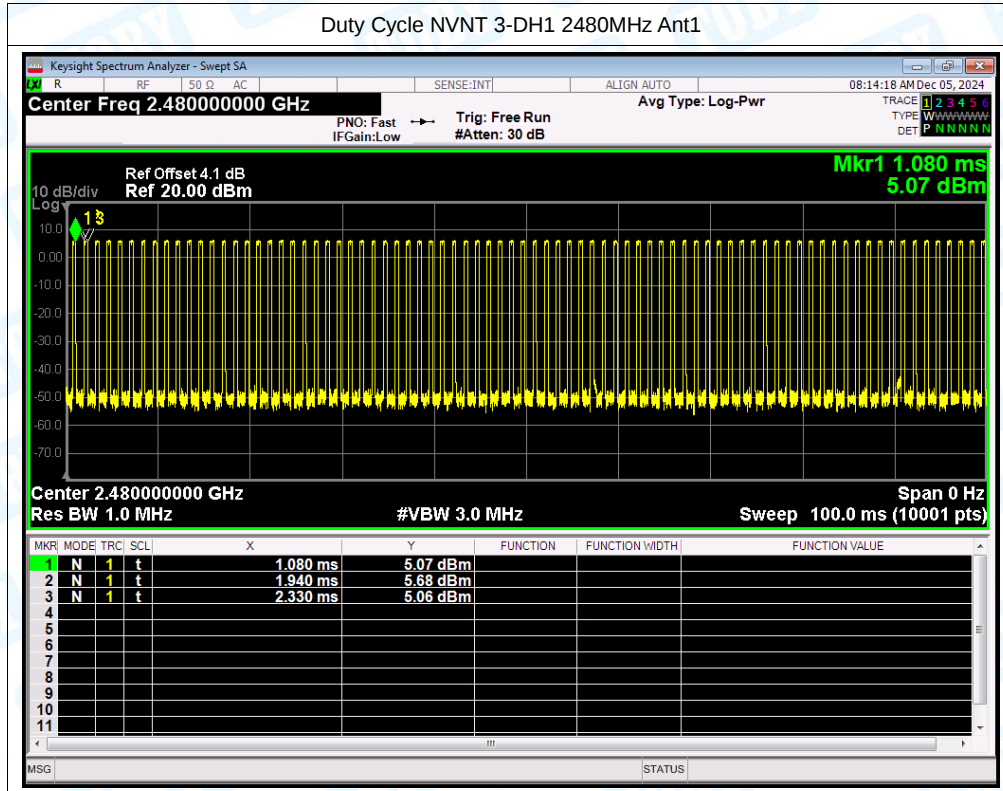


Duty Cycle NVNT 3-DH1 2402MHz Ant1



Duty Cycle NVNT 3-DH1 2441MHz Ant1



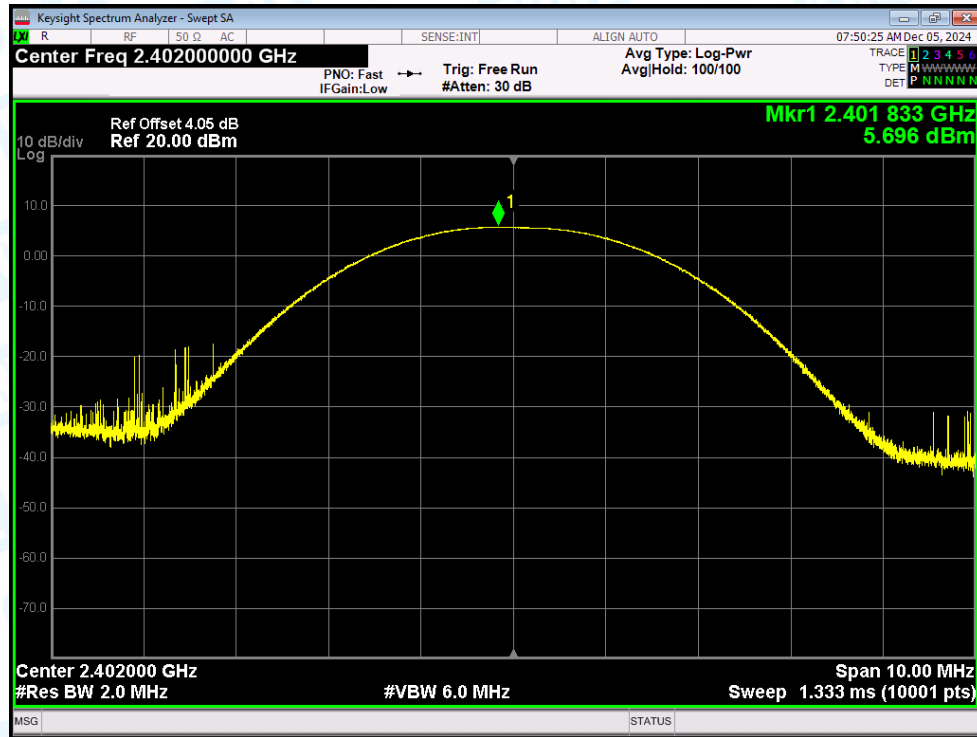


## 2. Maximum Conducted Output Power

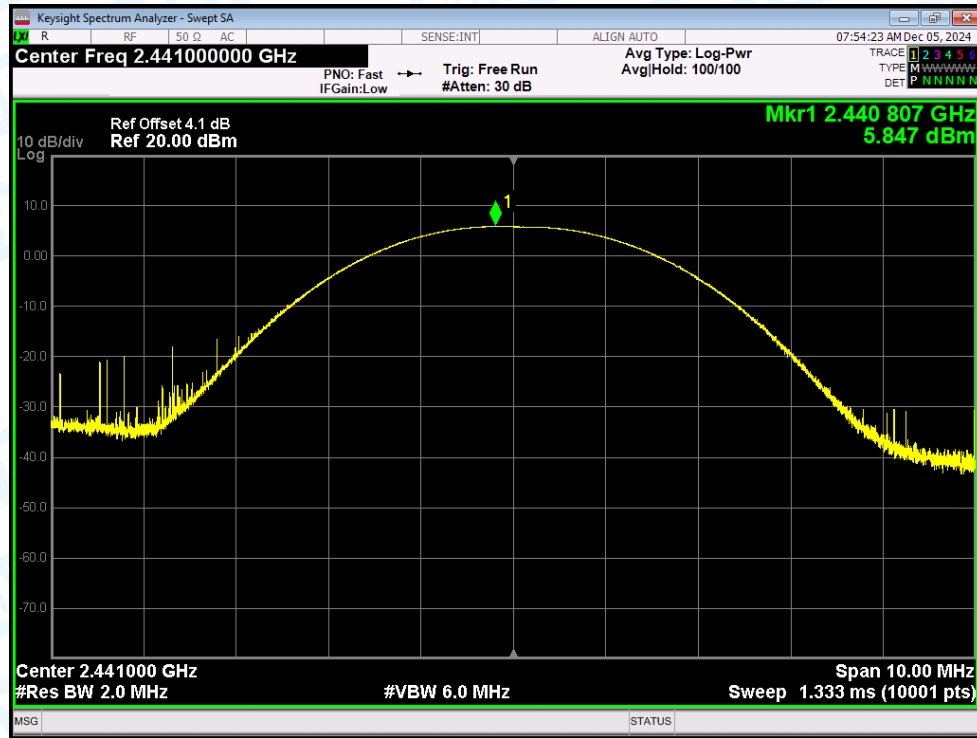
| Condition | Mode  | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|-------|-----------------|---------|-----------------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 5.696                 | 21          | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | 5.847                 | 21          | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | 5.776                 | 21          | Pass    |
| NVNT      | 1-DH3 | 2441            | Ant1    | 5.79                  | 21          | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 5.741                 | 21          | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | 6.478                 | 21          | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 6.32                  | 21          | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | 6.181                 | 21          | Pass    |
| NVNT      | 2-DH3 | 2441            | Ant1    | 6.222                 | 21          | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | 6.199                 | 21          | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | 6.748                 | 21          | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 6.433                 | 21          | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | 6.339                 | 21          | Pass    |
| NVNT      | 3-DH3 | 2441            | Ant1    | 6.417                 | 21          | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 6.391                 | 21          | Pass    |

### Test Graphs

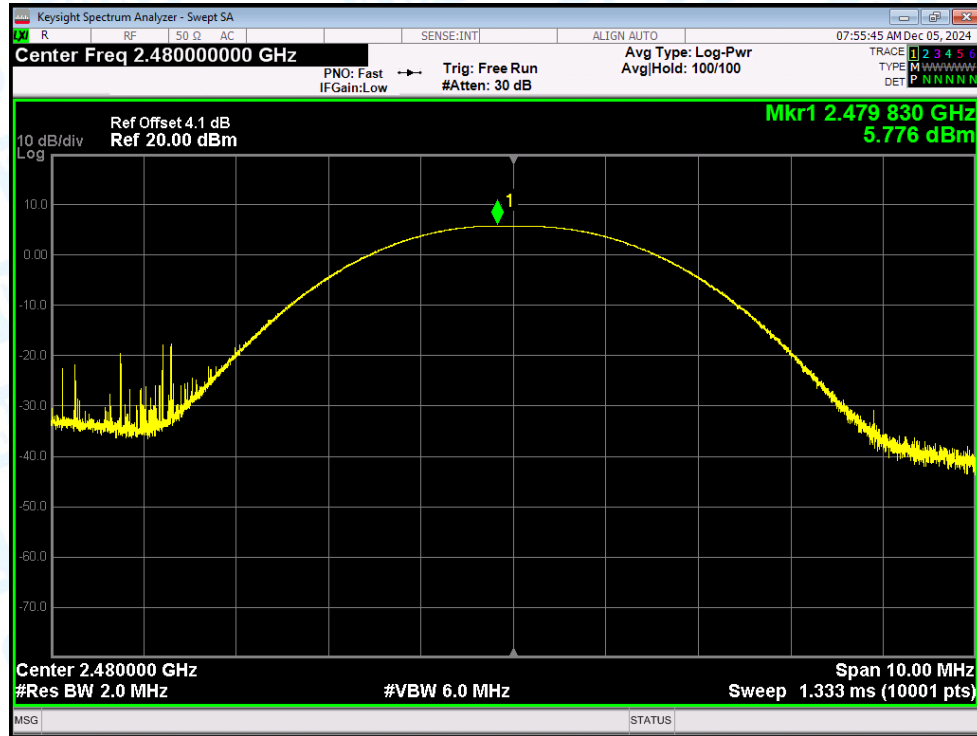
Power NVNT 1-DH1 2402MHz Ant1



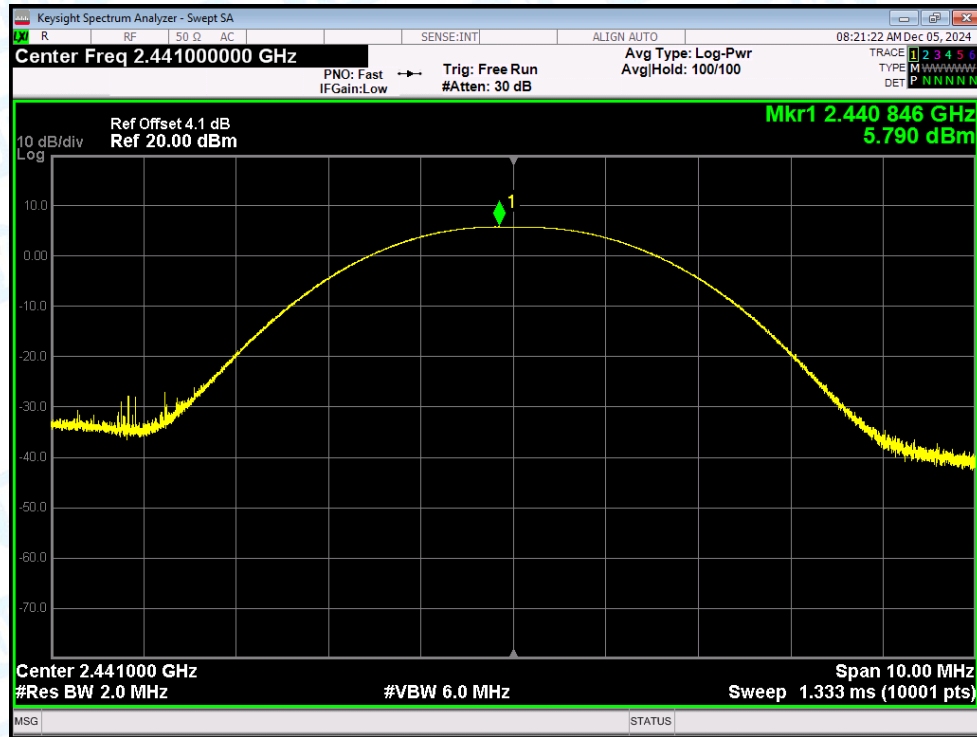
Power NVNT 1-DH1 2441MHz Ant1



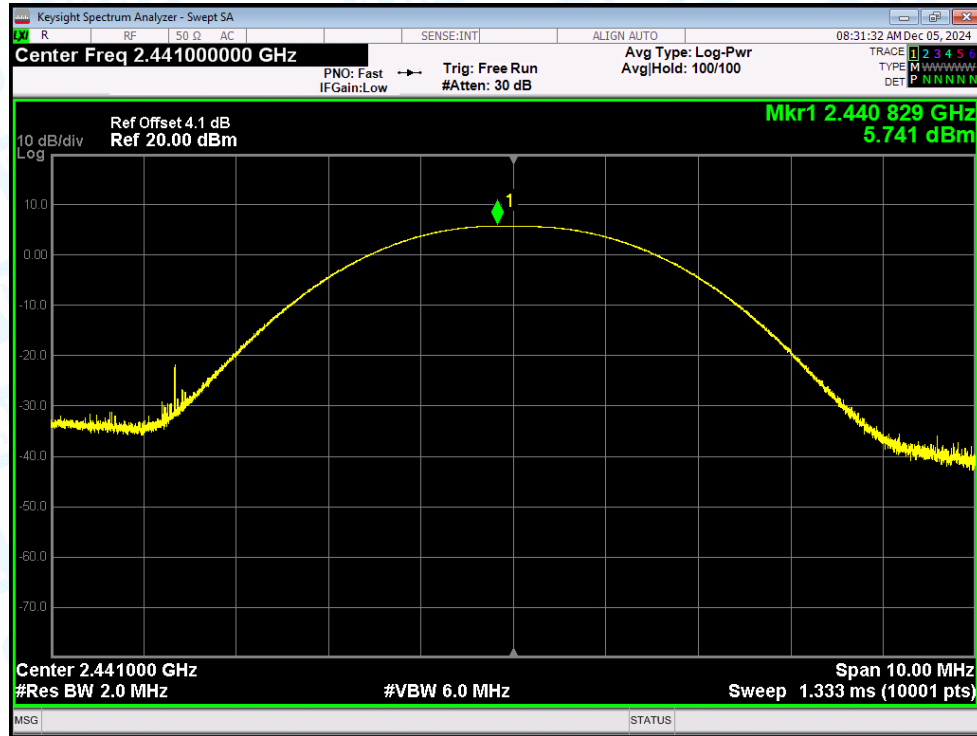
Power NVNT 1-DH1 2480MHz Ant1



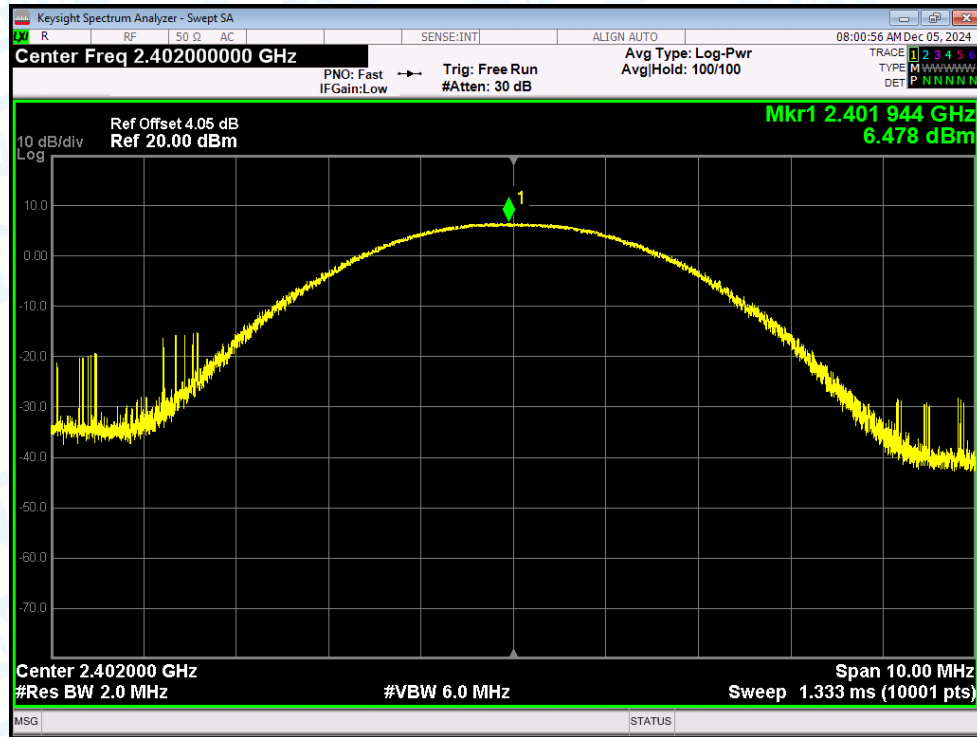
Power NVNT 1-DH3 2441MHz Ant1

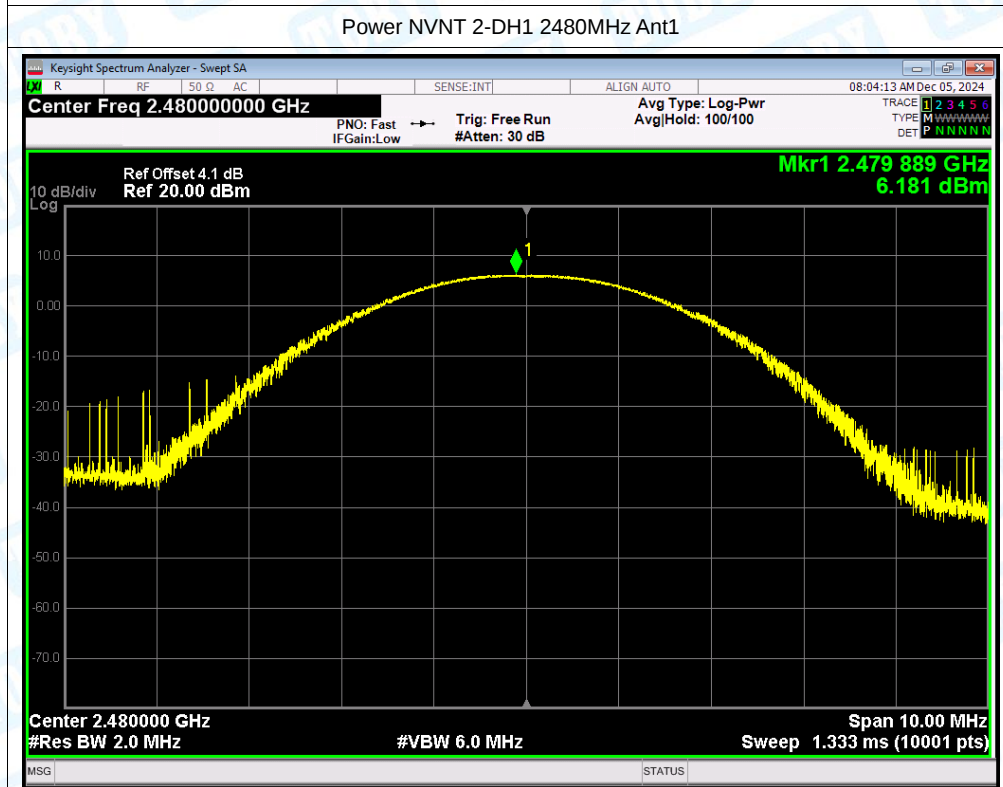
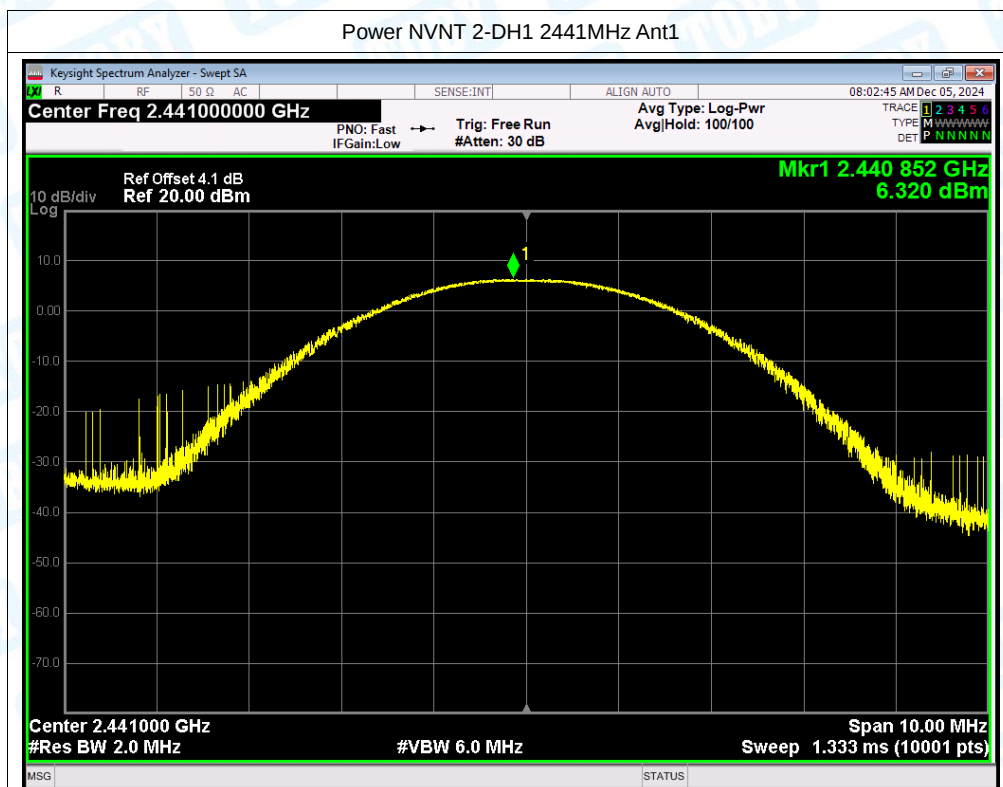


Power NVNT 1-DH5 2441MHz Ant1

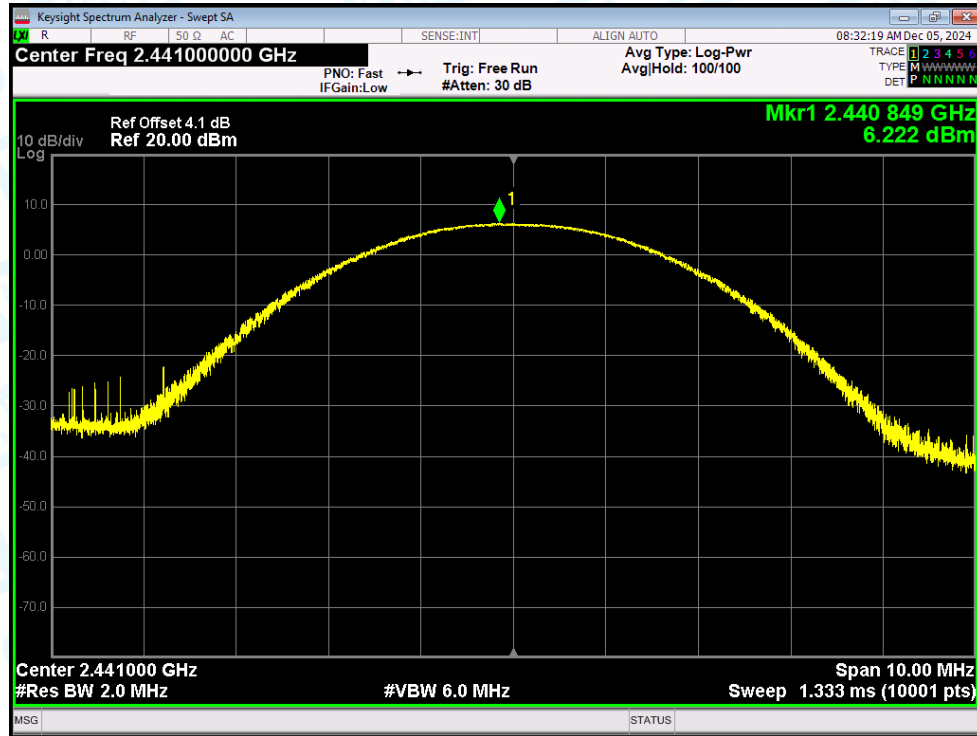


Power NVNT 2-DH1 2402MHz Ant1

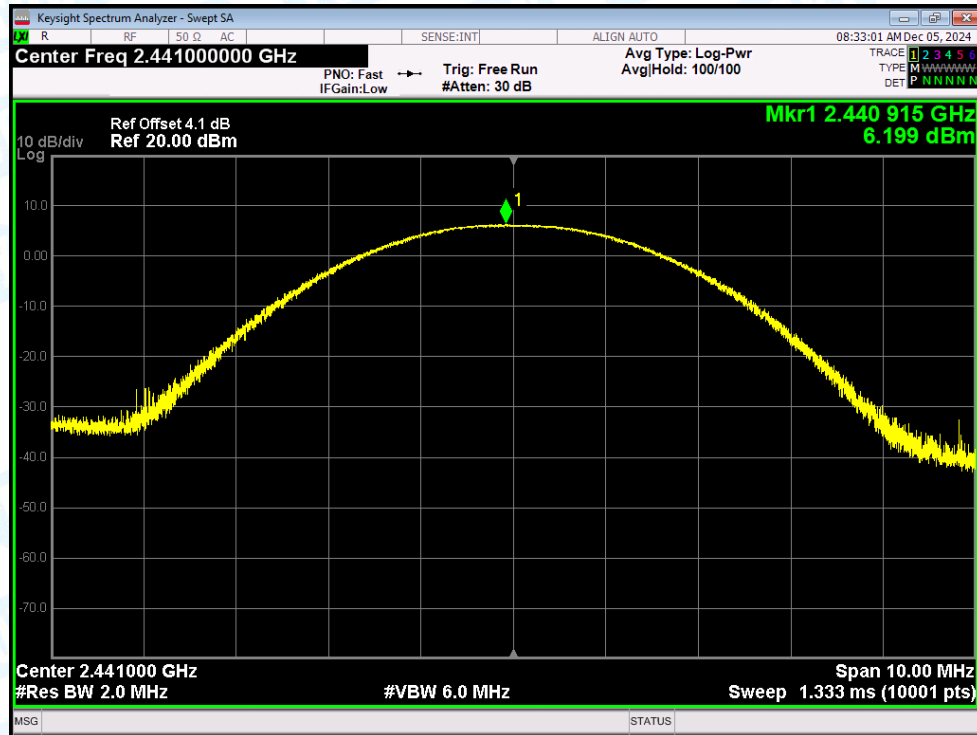




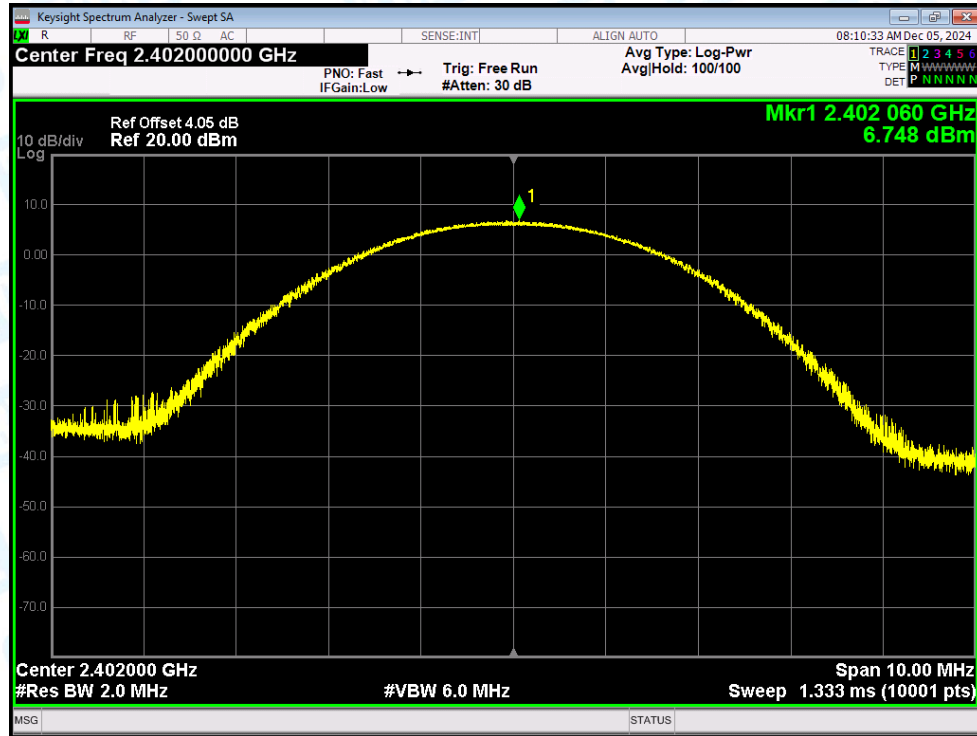
Power NVNT 2-DH3 2441MHz Ant1



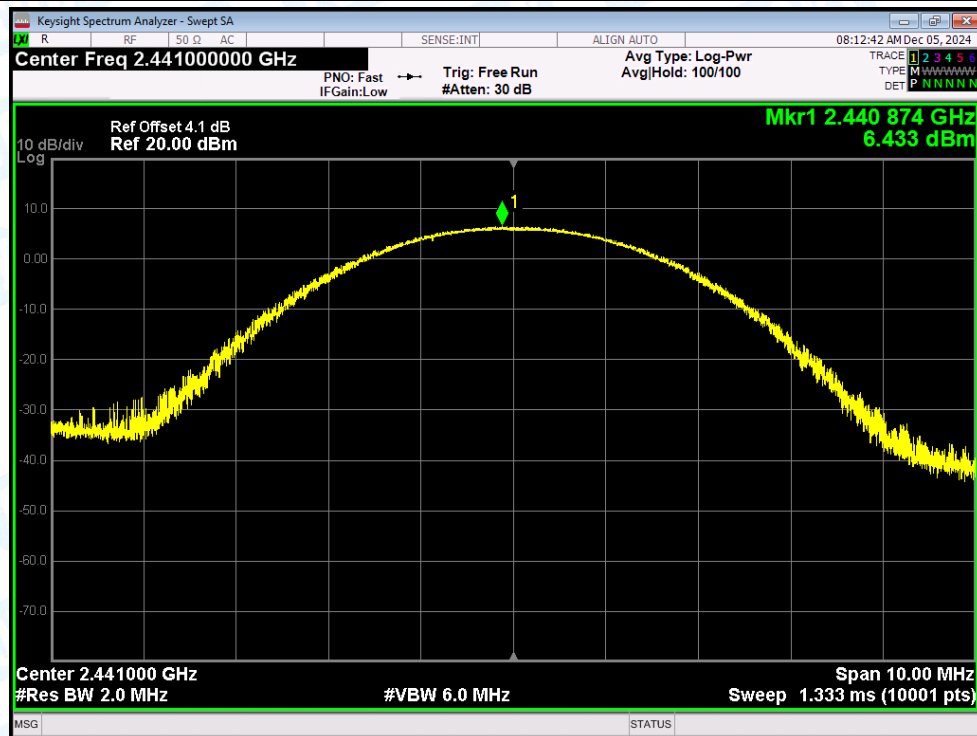
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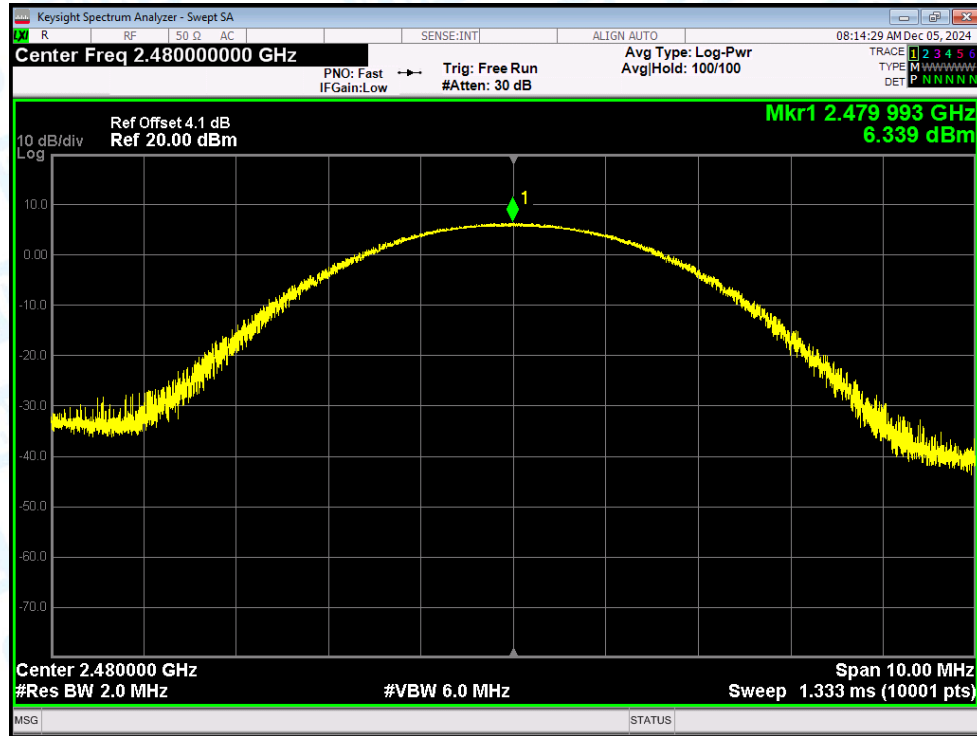
Power NVNT 3-DH1 2402MHz Ant1



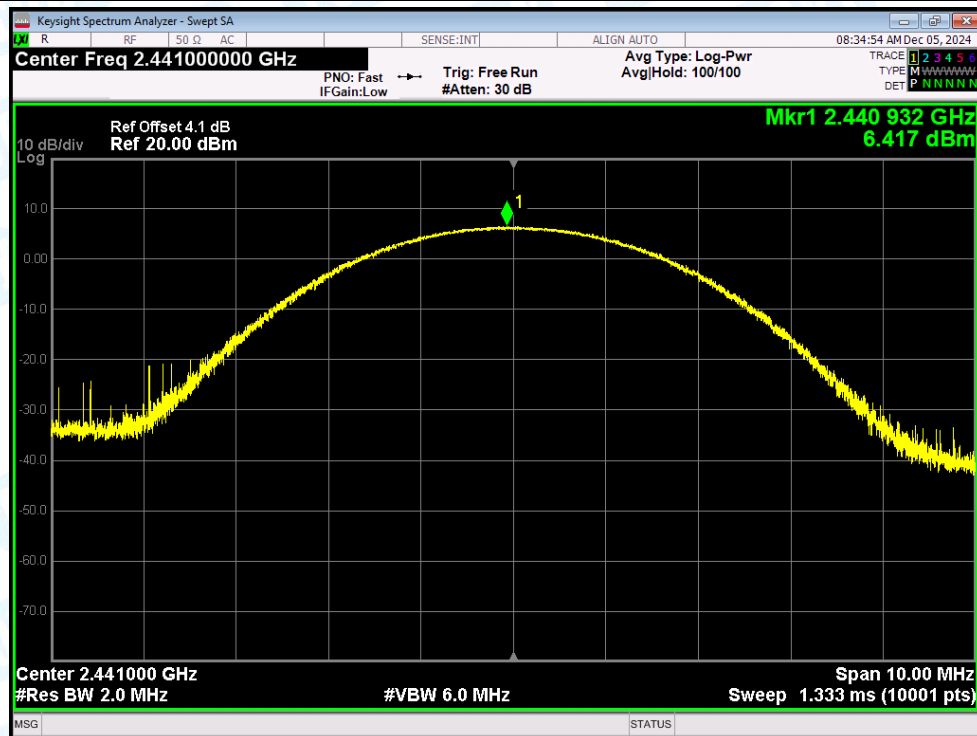
Power NVNT 3-DH1 2441MHz Ant1

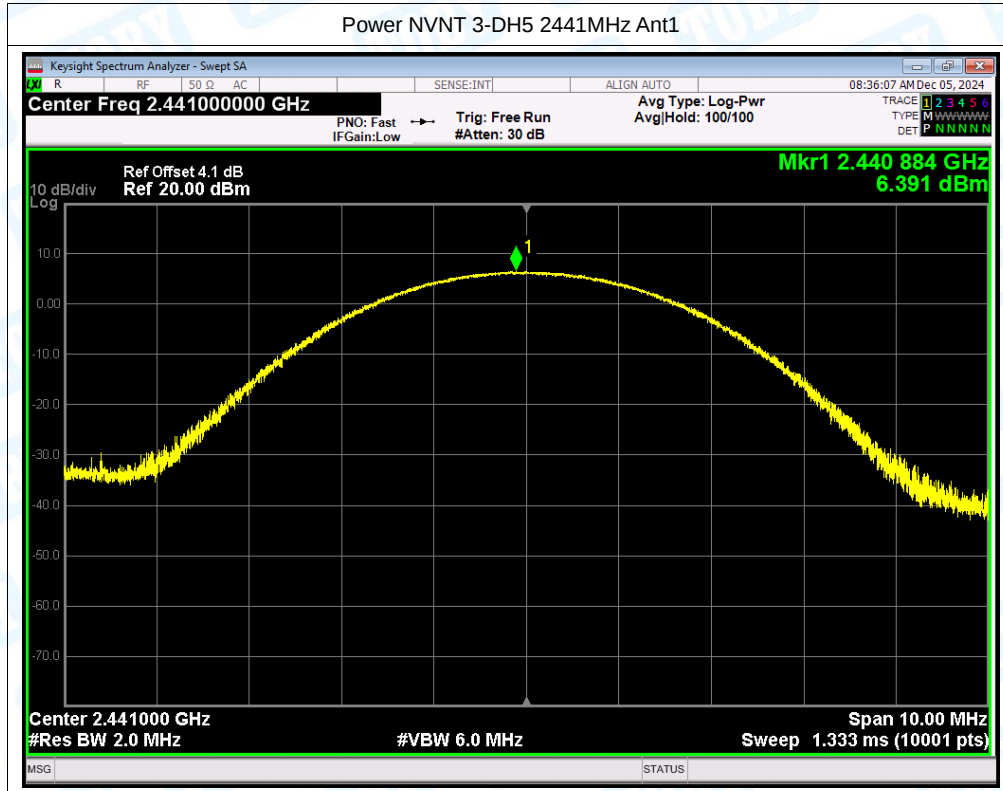


Power NVNT 3-DH1 2480MHz Ant1



Power NVNT 3-DH3 2441MHz Ant1



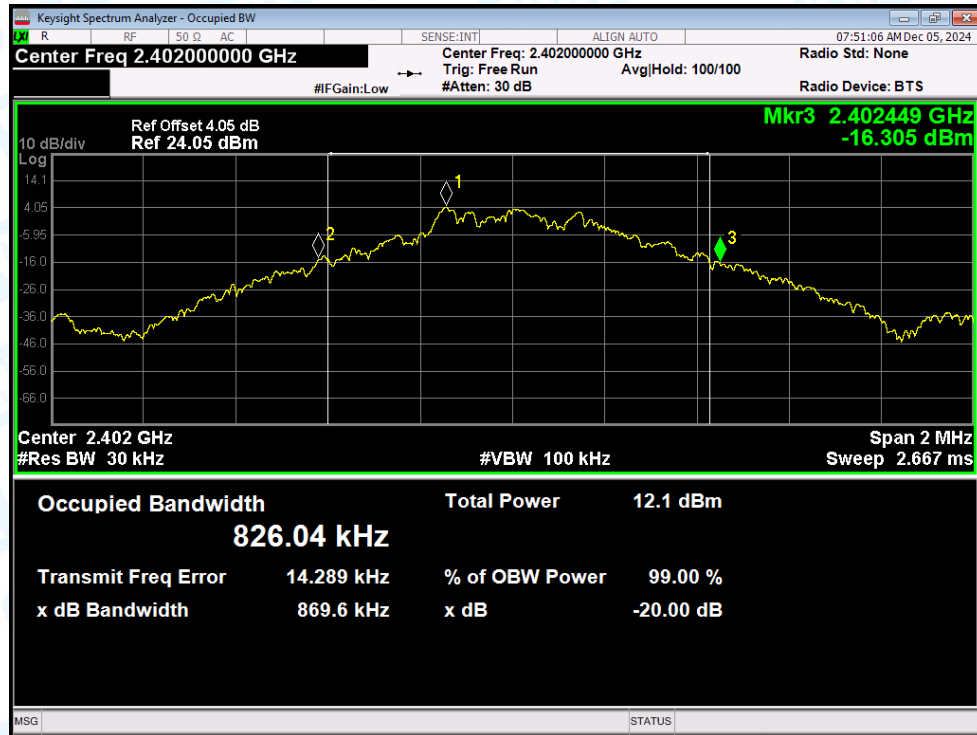


### 3. -20dB Bandwidth

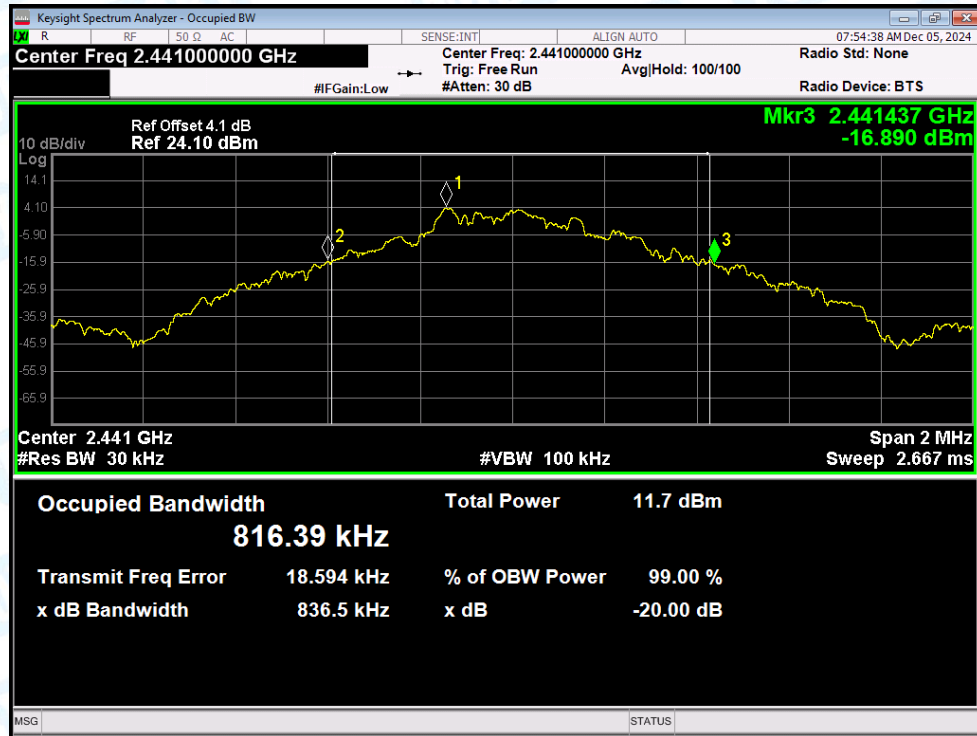
| Condition | Mode  | Frequency (MHz) | Antenna | -20 dB Bandwidth (MHz) | Limit -20 dB Bandwidth (MHz) | Verdict |
|-----------|-------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 0.87                   | 0                            | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.84                   | 0                            | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | 0.85                   | 0                            | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | 1.24                   | 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    | 1.22                   | 0                            | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 1.23                   | 0                            | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | 1.21                   | 0                            | Pass    |

# Test Graphs

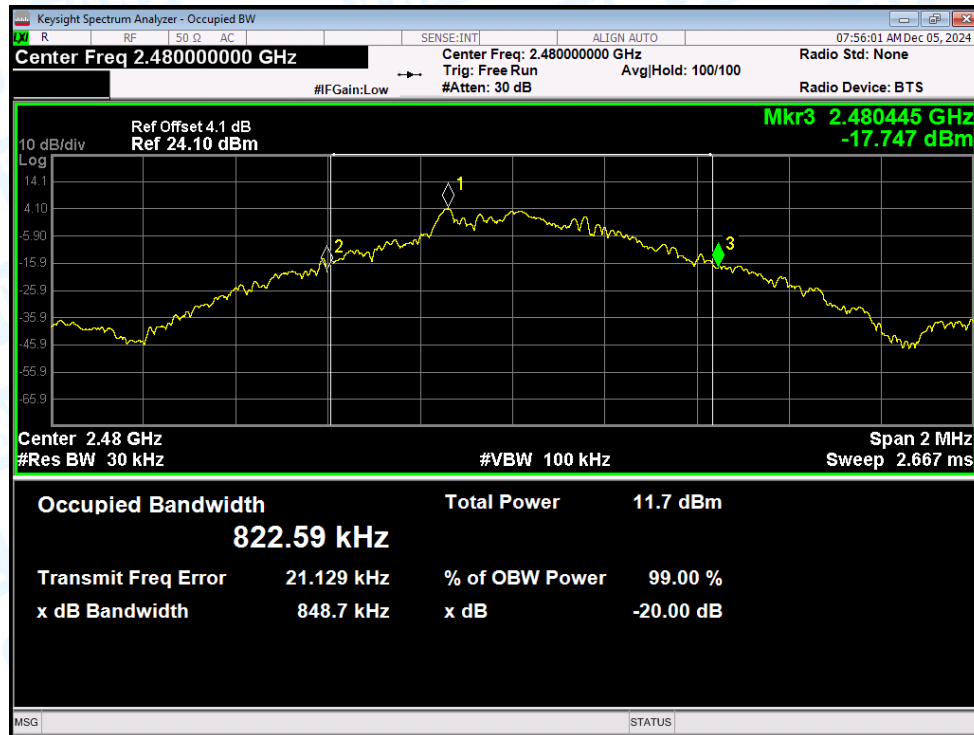
## -20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



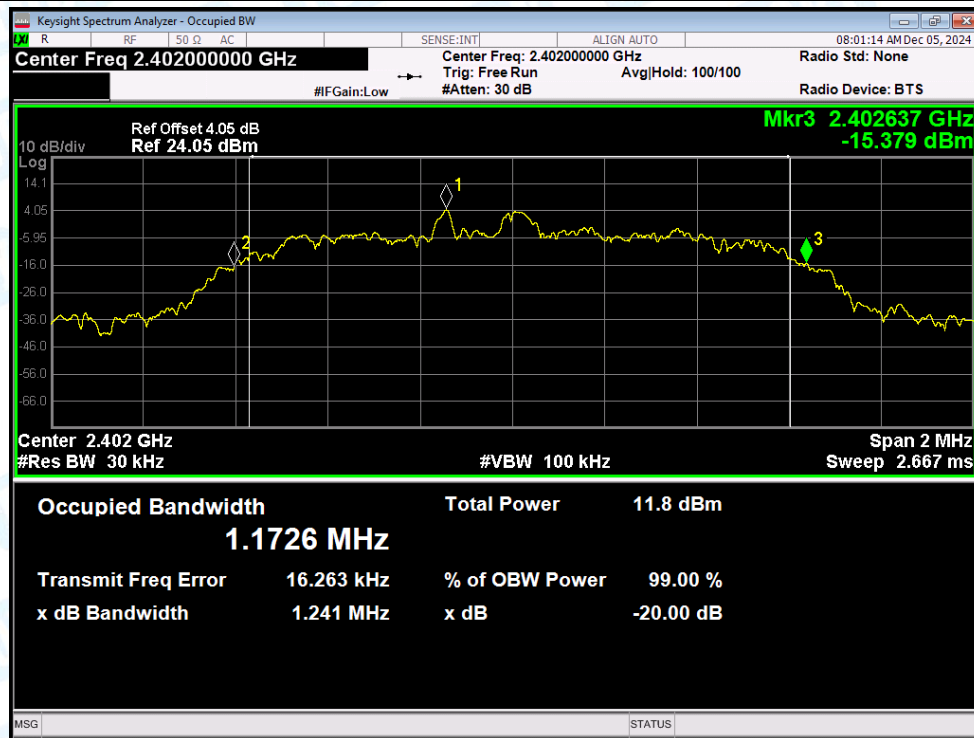
## -20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



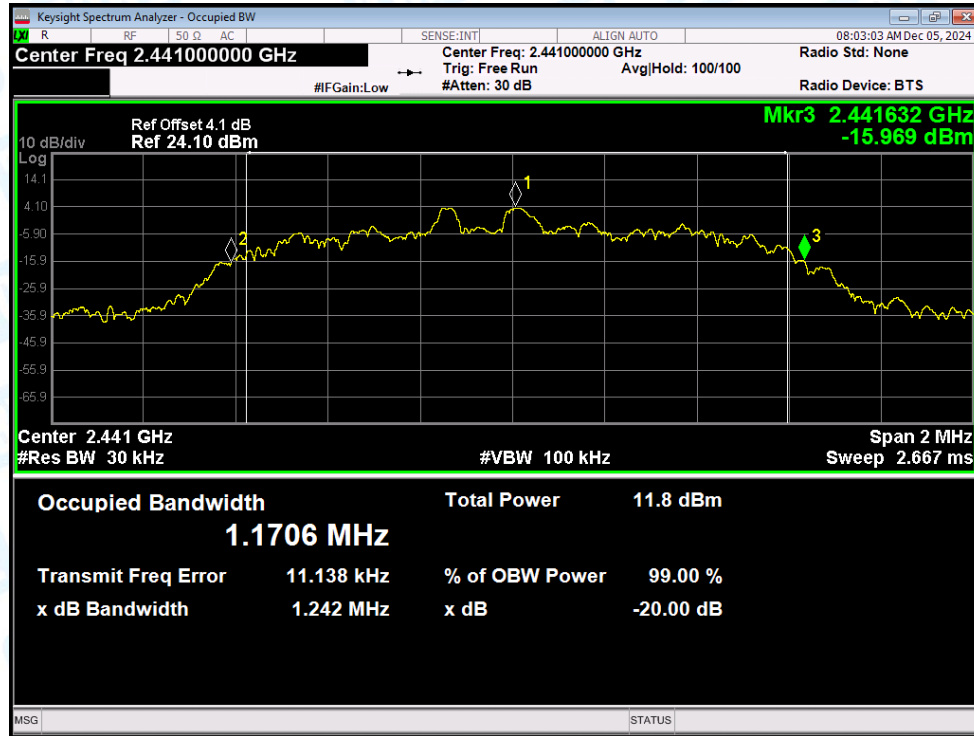
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



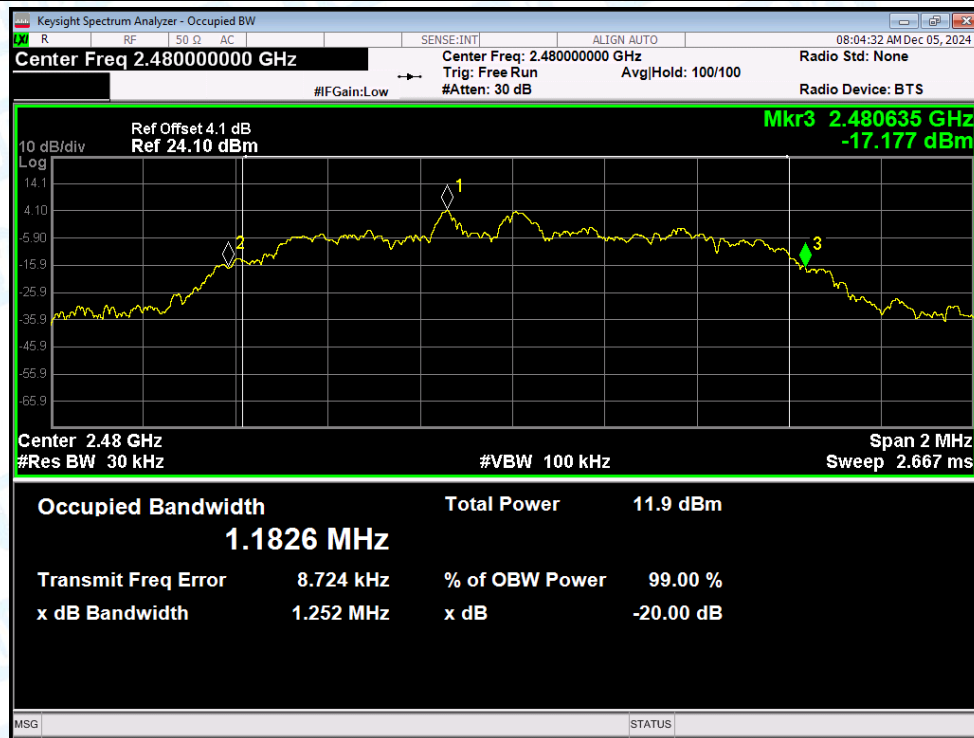
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



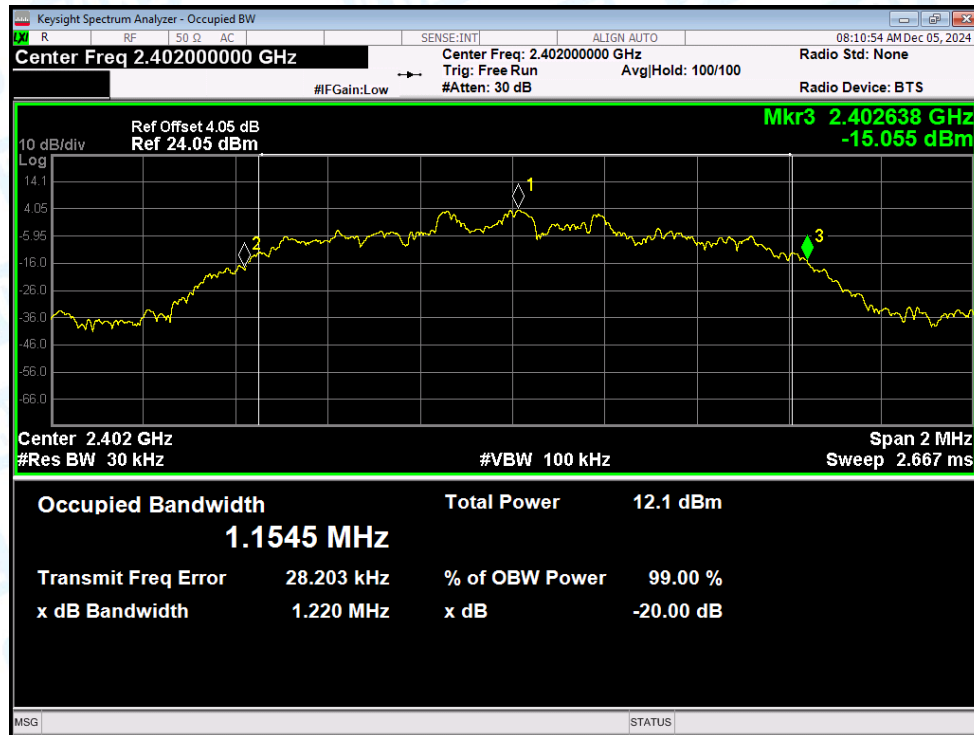
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



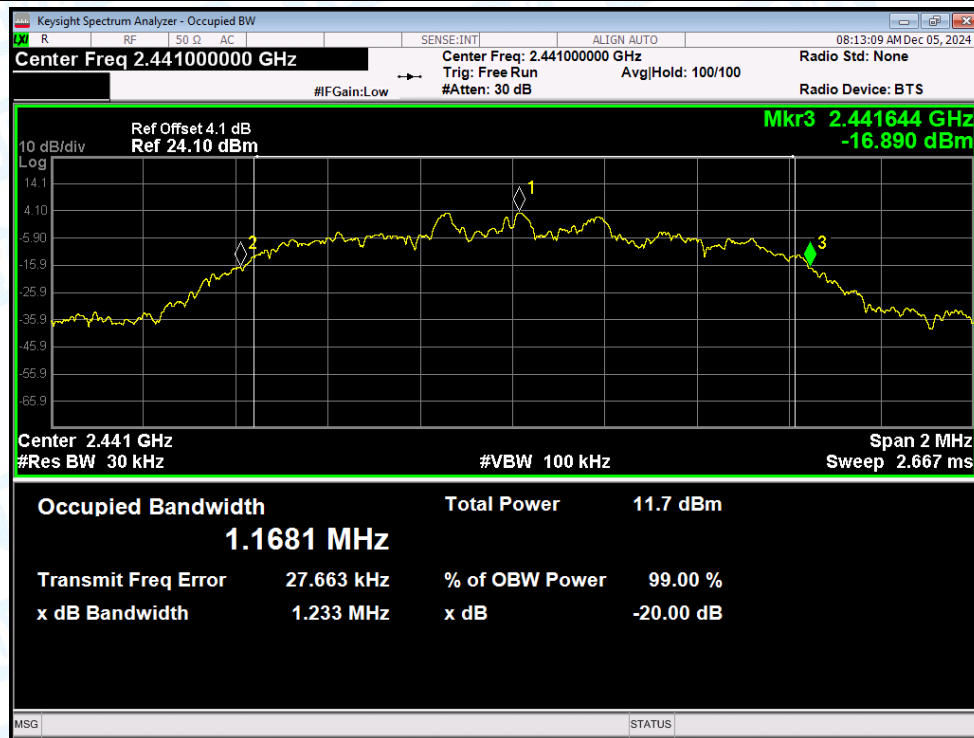
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

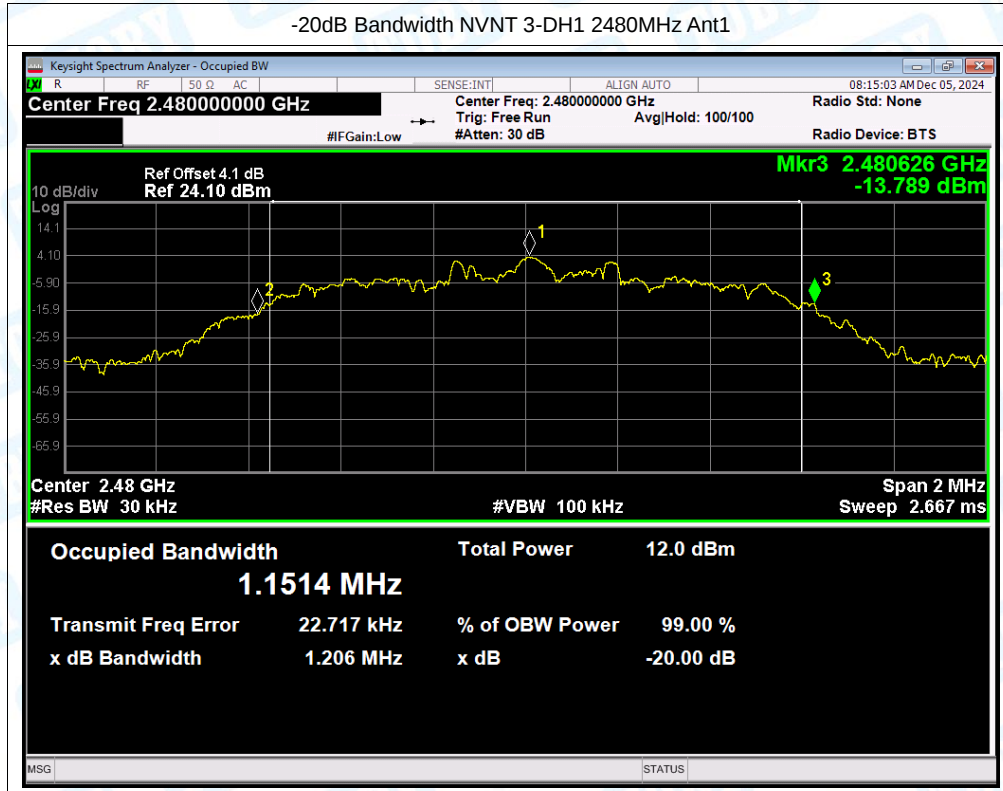


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



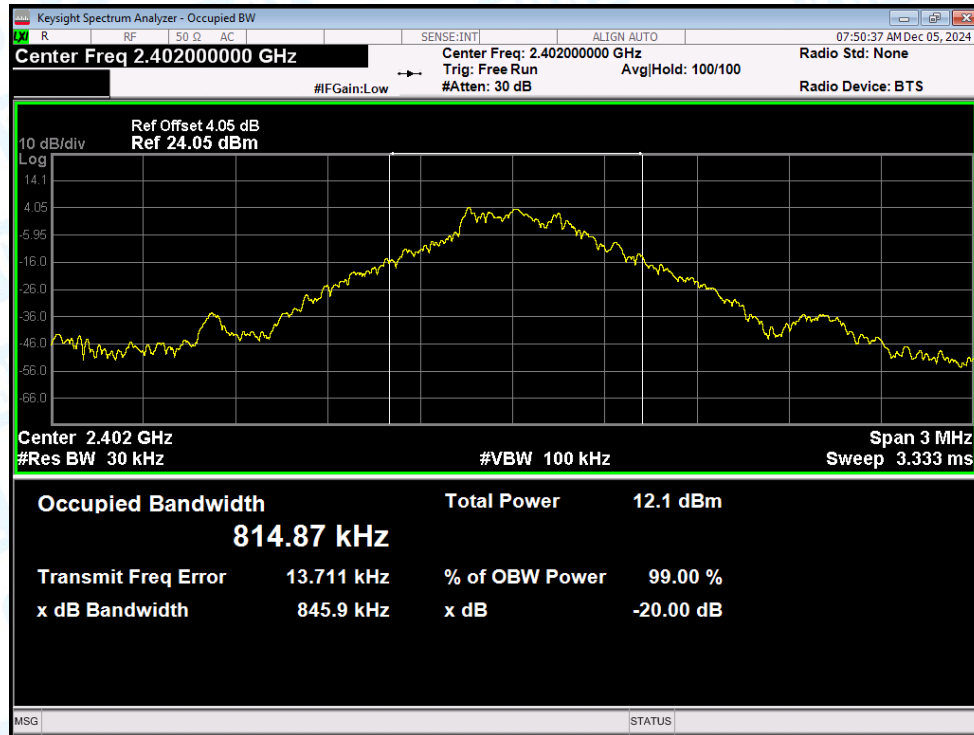


## 4. Occupied Channel Bandwidth

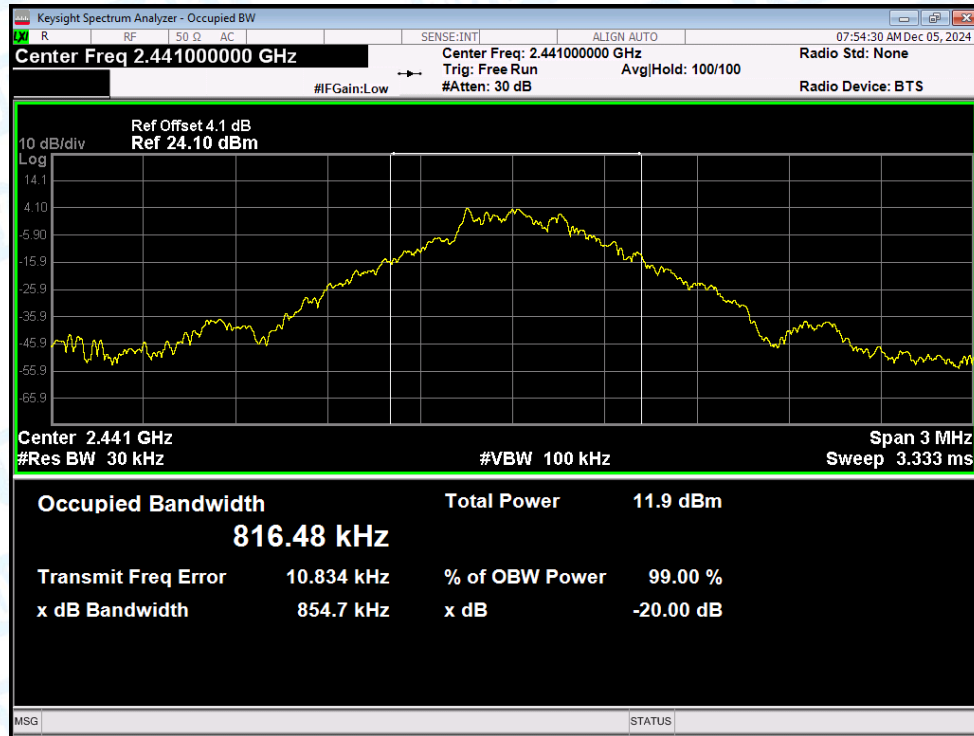
| Condition | Mode  | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|-------|-----------------|---------|---------------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 0.815         |
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.816         |
| NVNT      | 1-DH1 | 2480            | Ant1    | 0.823         |
| NVNT      | 2-DH1 | 2402            | Ant1    | 1.177         |
| NVNT      | 2-DH1 | 2441            | Ant1    | 1.179         |
| NVNT      | 2-DH1 | 2480            | Ant1    | 1.195         |
| NVNT      | 3-DH1 | 2402            | Ant1    | 1.159         |
| NVNT      | 3-DH1 | 2441            | Ant1    | 1.168         |
| NVNT      | 3-DH1 | 2480            | Ant1    | 1.171         |

# Test Graphs

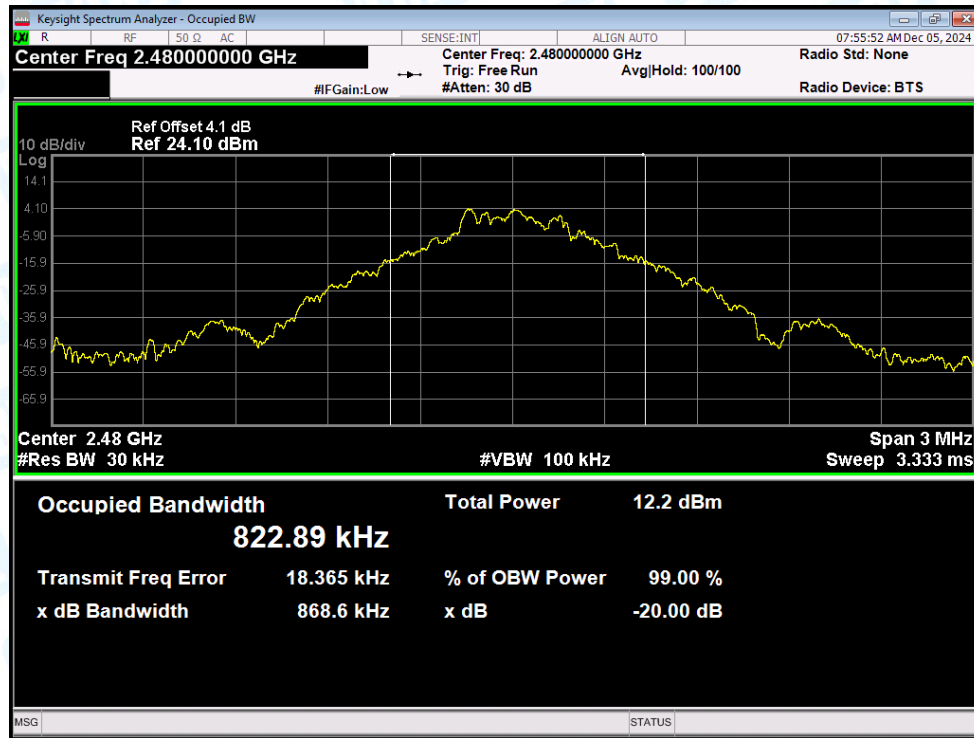
## OBW NVNT 1-DH1 2402MHz Ant1



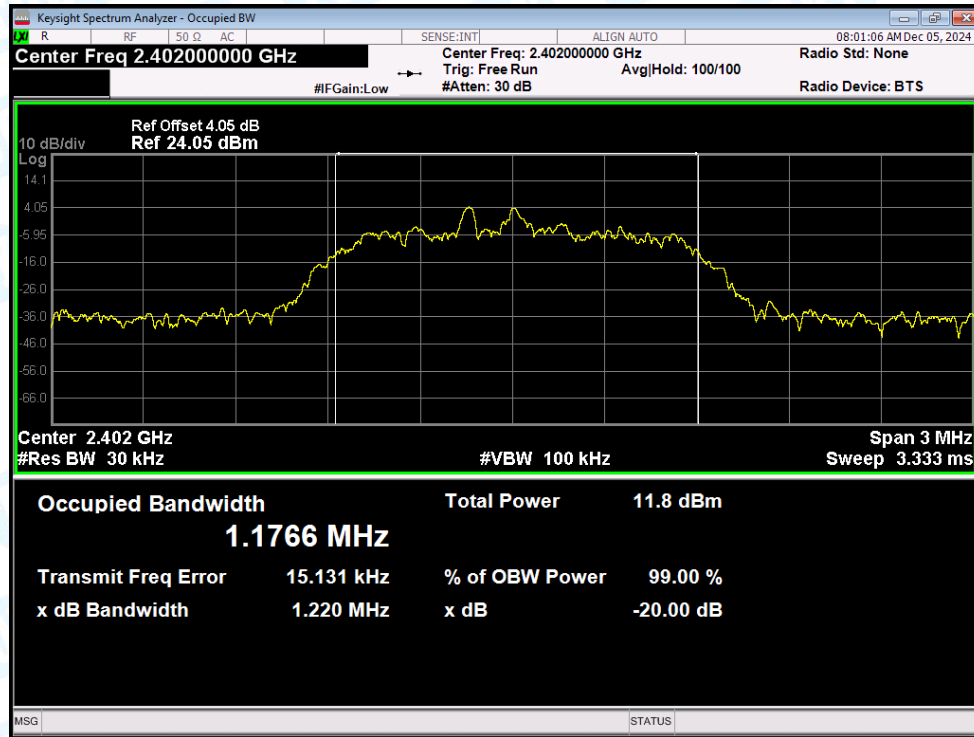
## OBW NVNT 1-DH1 2441MHz Ant1



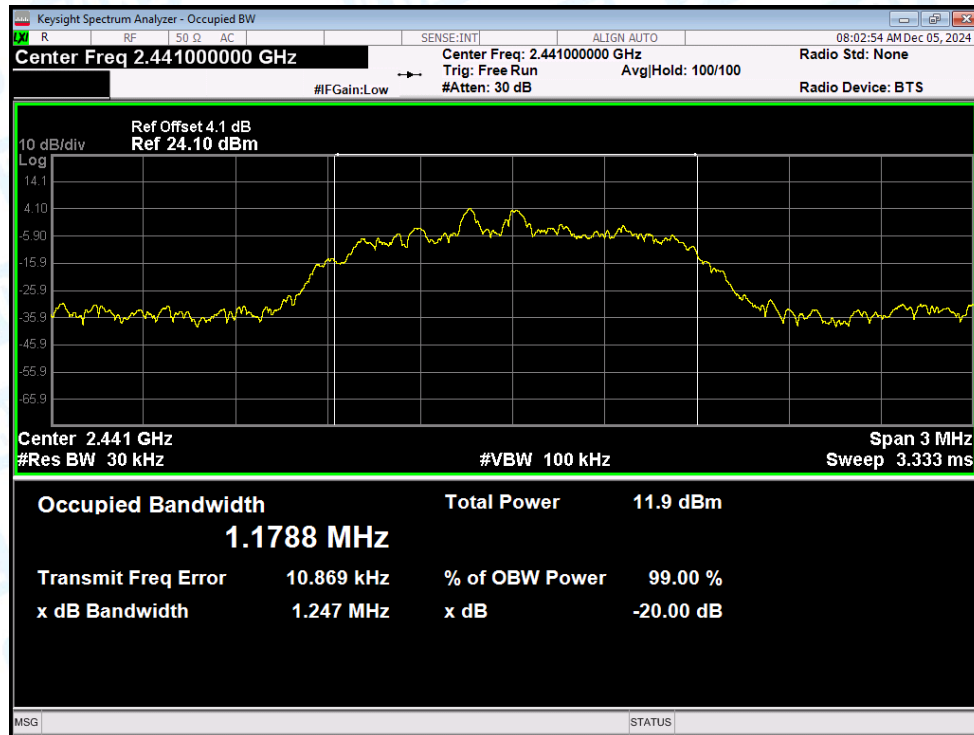
OBW NVNT 1-DH1 2480MHz Ant1



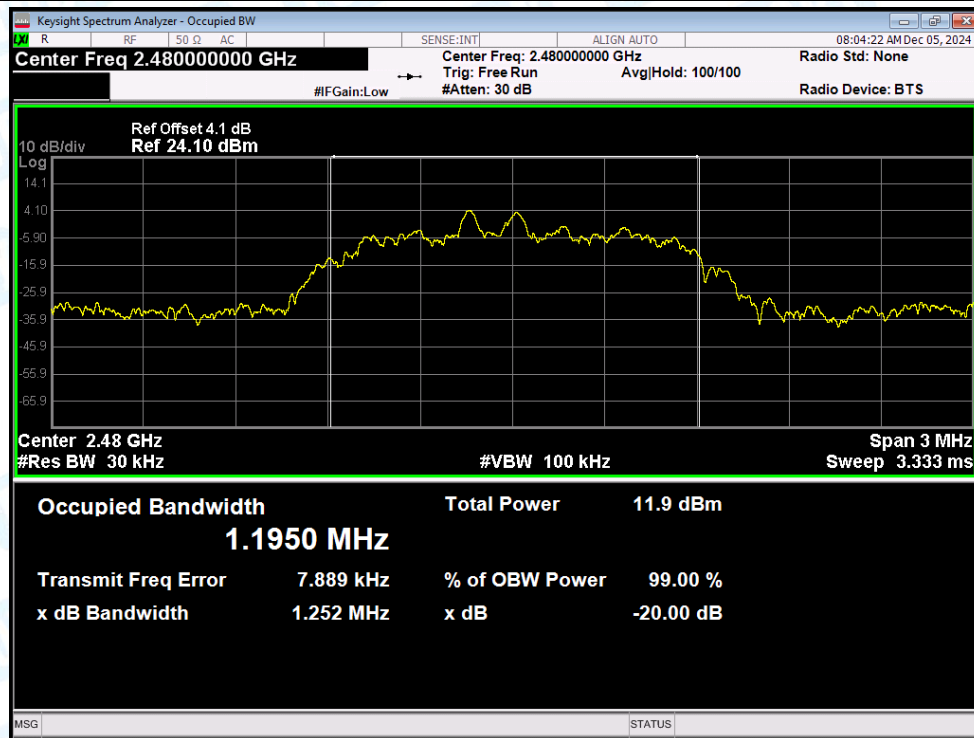
OBW NVNT 2-DH1 2402MHz Ant1



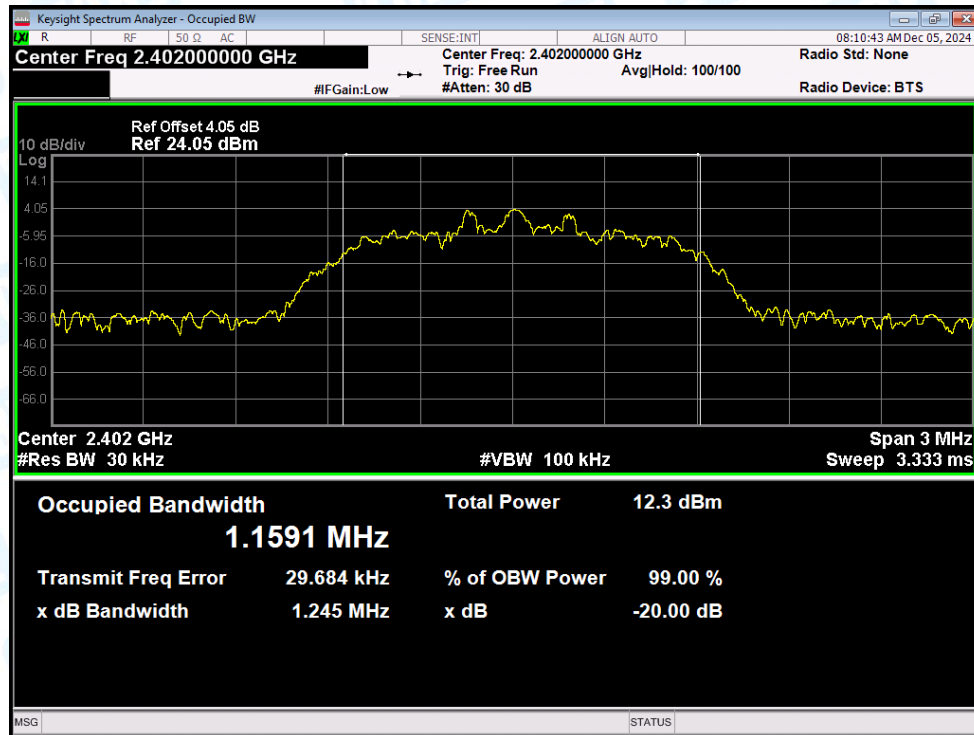
OBW NVNT 2-DH1 2441MHz Ant1



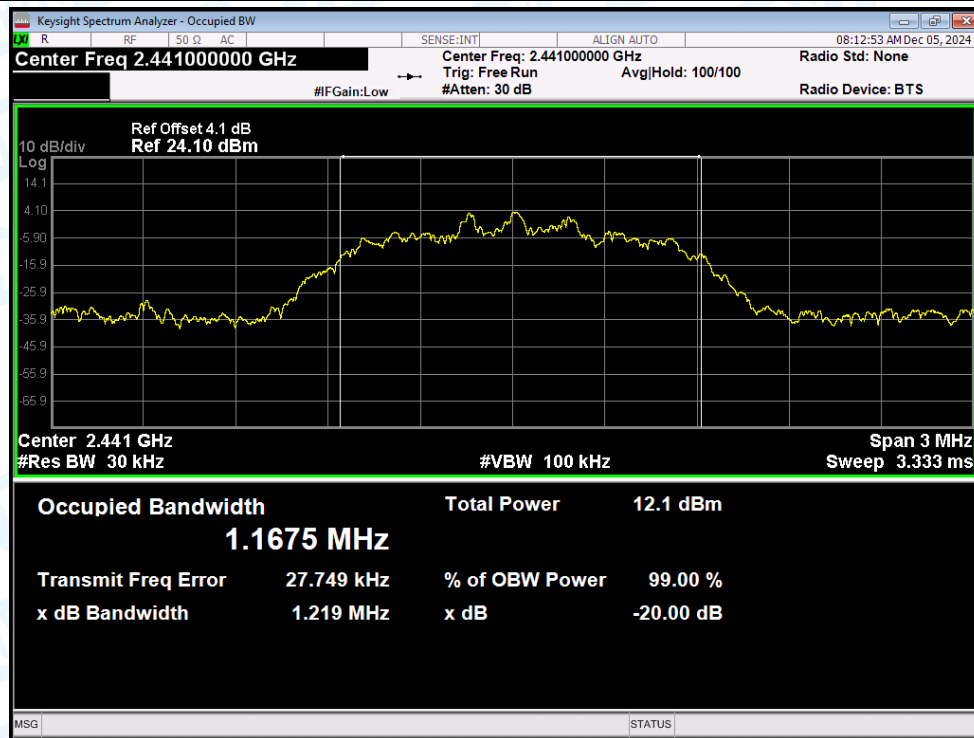
OBW NVNT 2-DH1 2480MHz Ant1

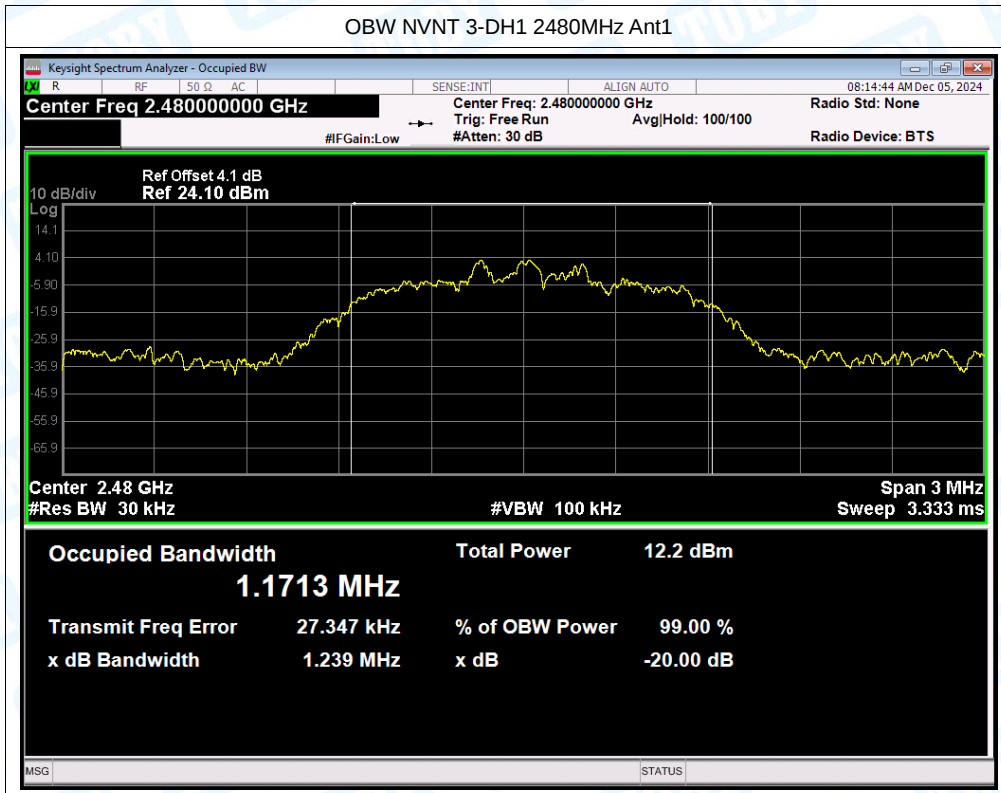


OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1



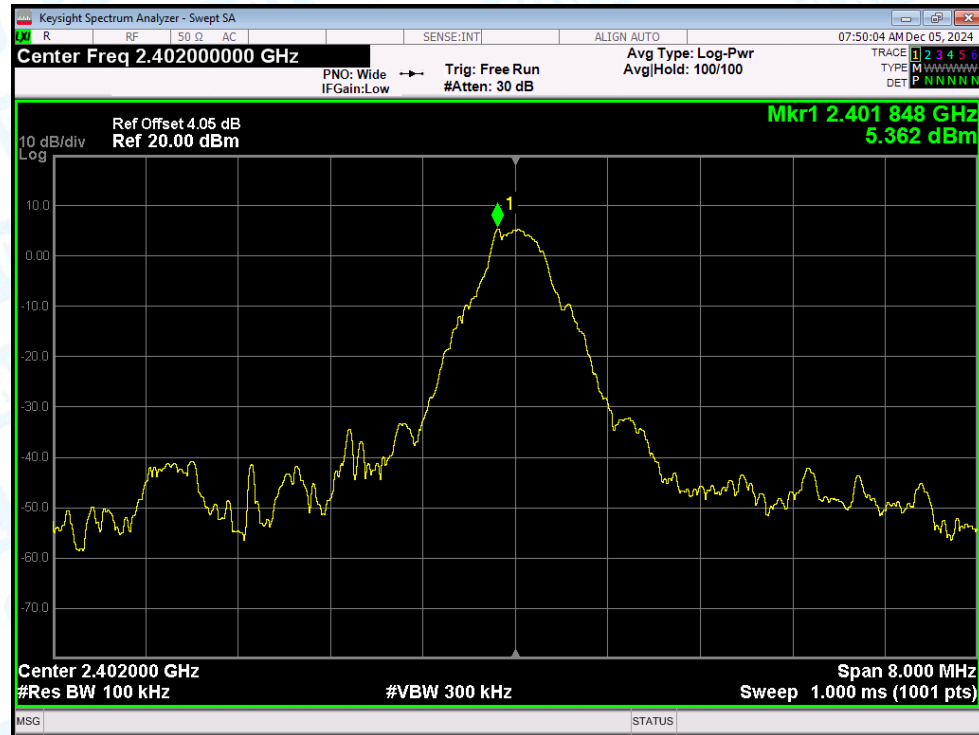


5. Band Edge

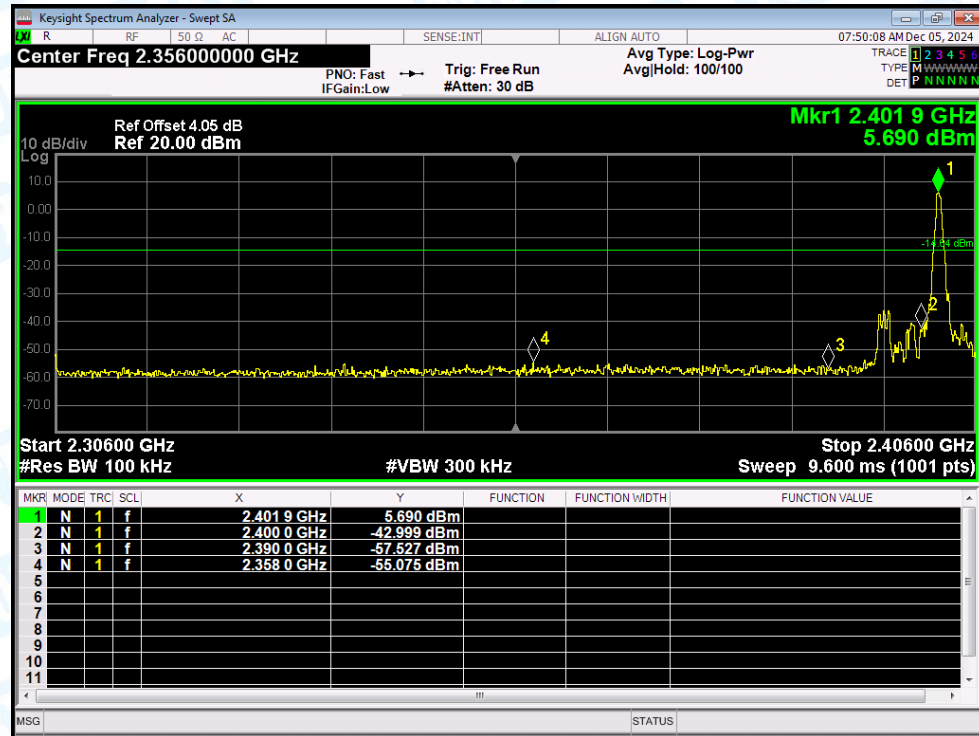
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | -60.43          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | -48.39          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | -59.33          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | -53.31          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | -60.06          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | -48.92          | -20         | Pass    |

### Test Graphs

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



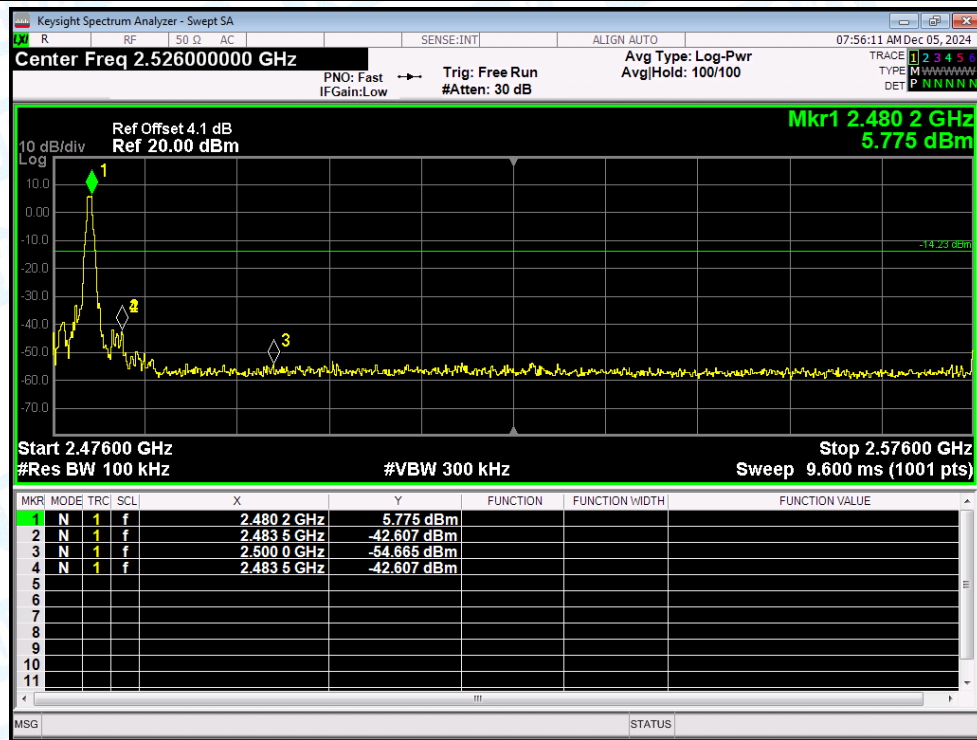
#### Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



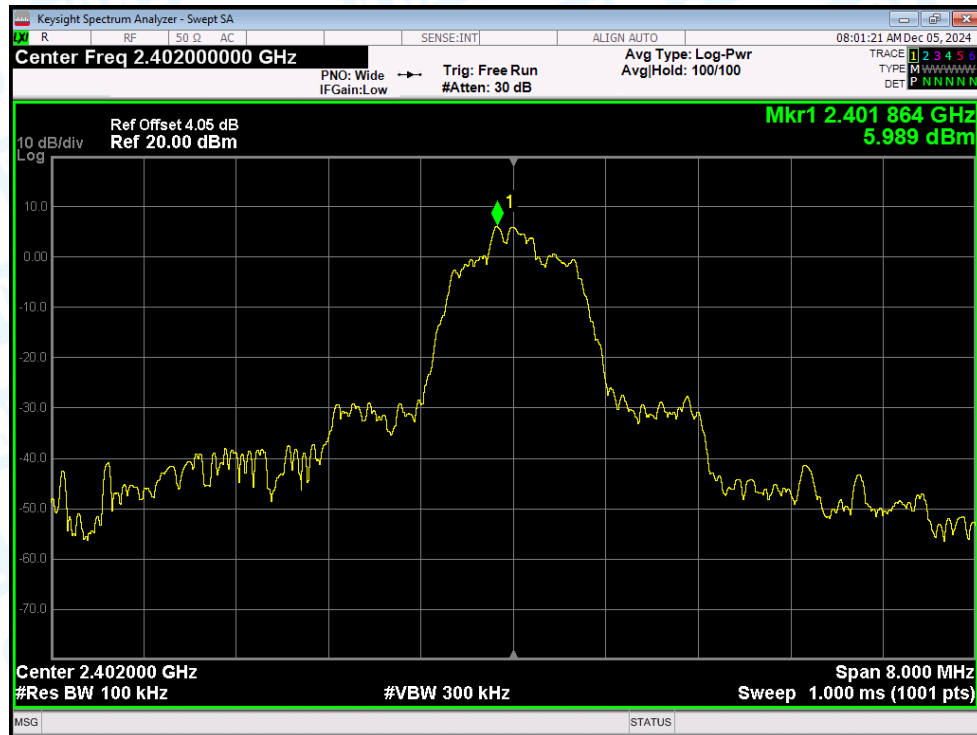
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



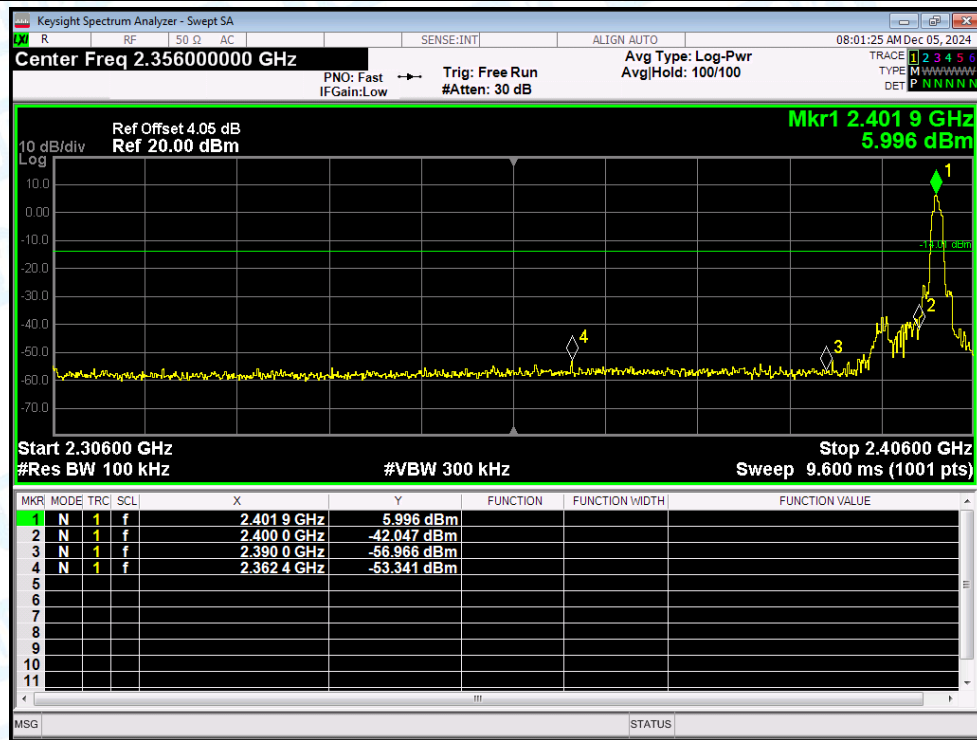
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



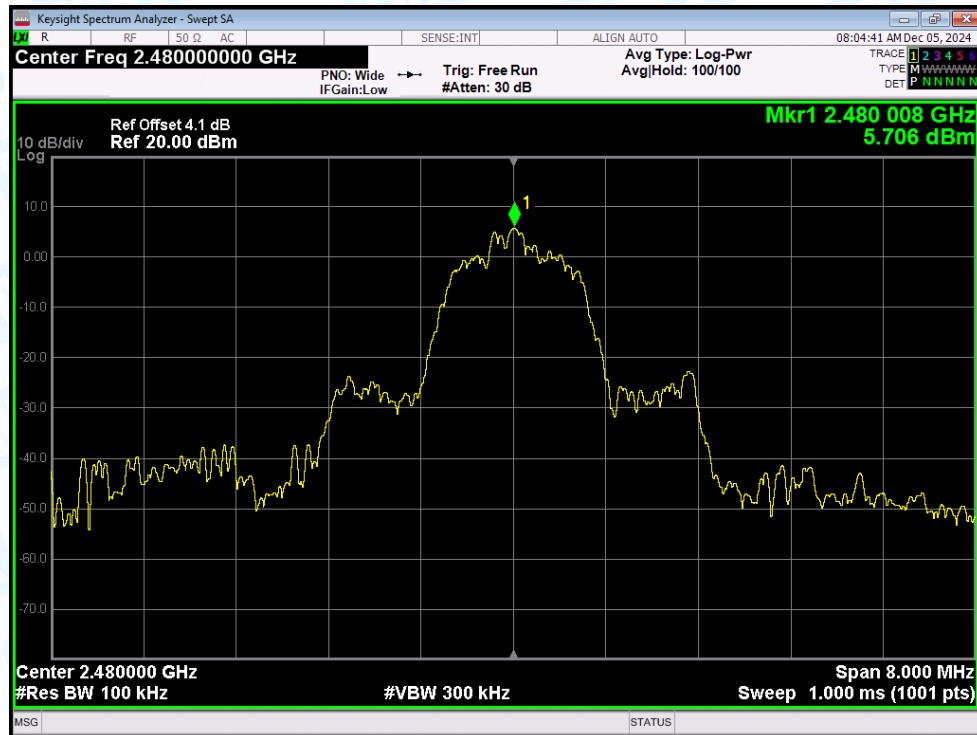
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



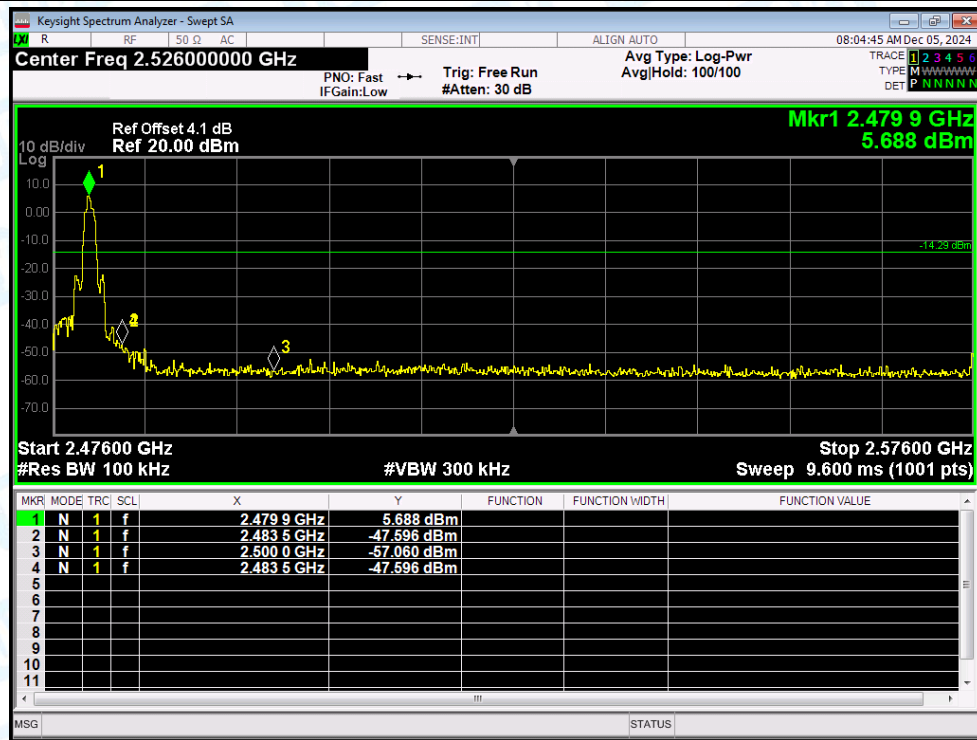
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



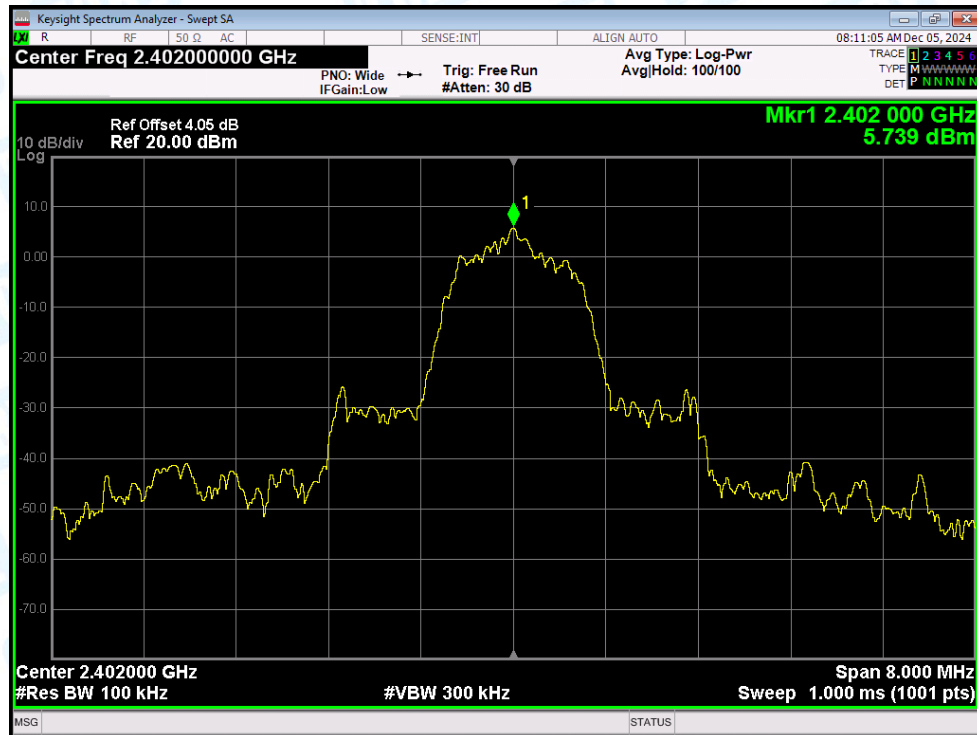
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



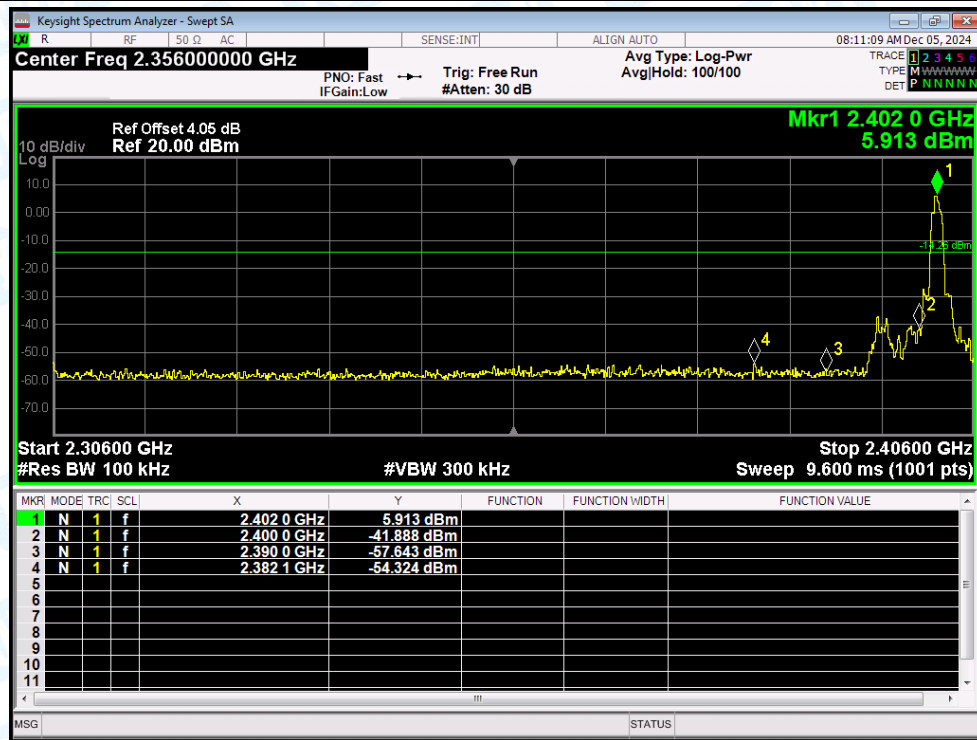
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



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



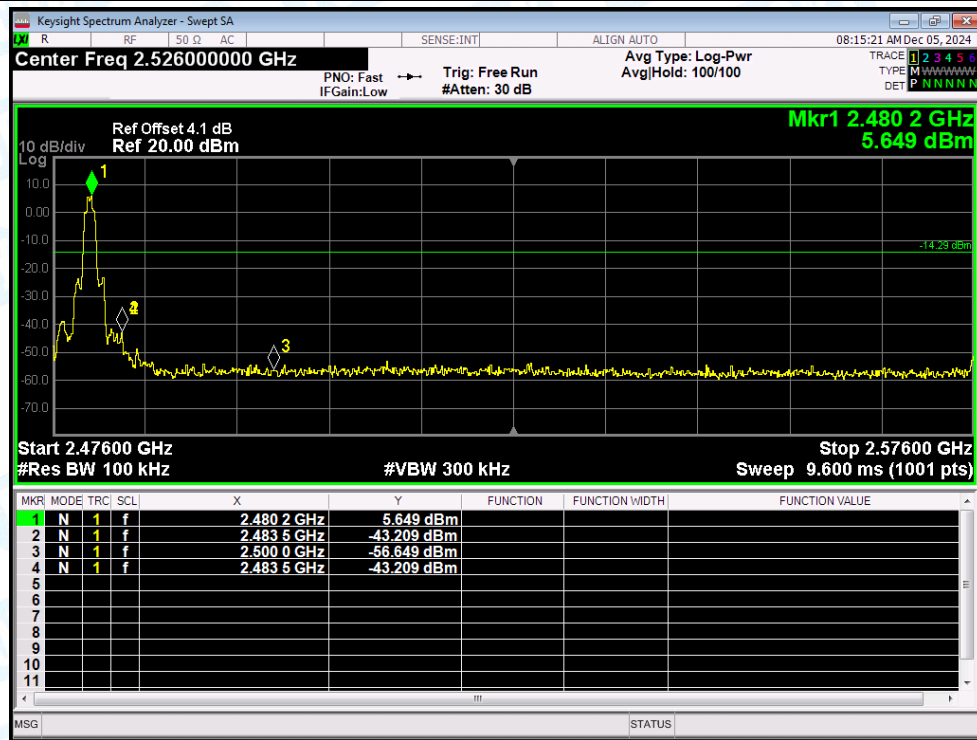
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



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



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



## 6. Band Edge(Hopping)

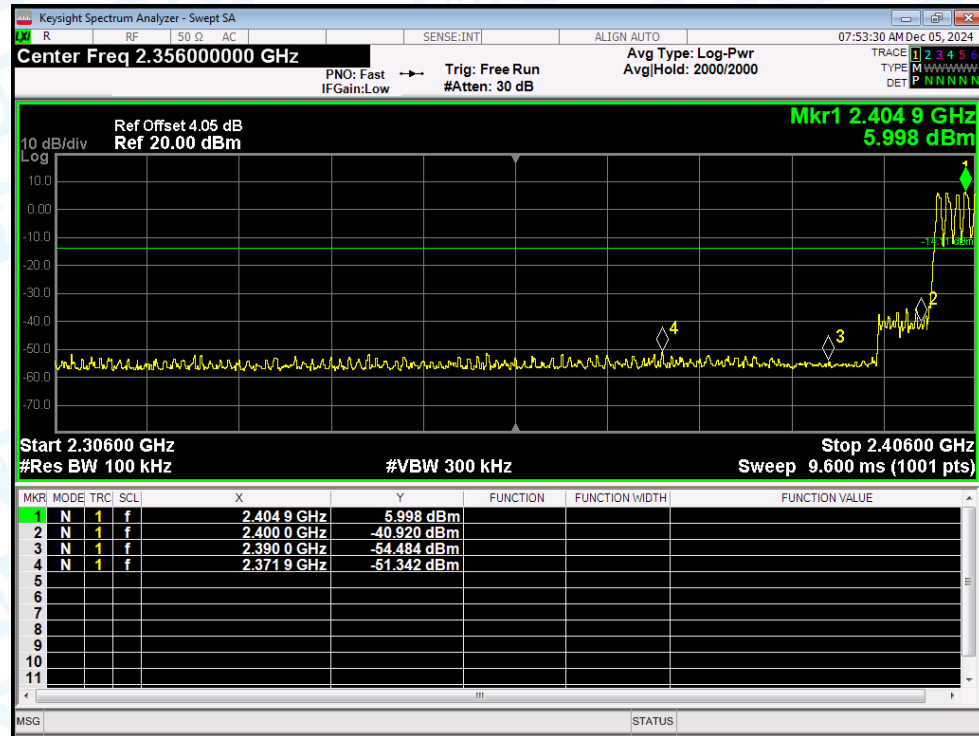
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | Hopping      | -57.23          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | Hopping      | -48.28          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | Hopping      | -57.26          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | Hopping      | -54.24          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | Hopping      | -57.55          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | Hopping      | -49.86          | -20         | Pass    |

## Test Graphs

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



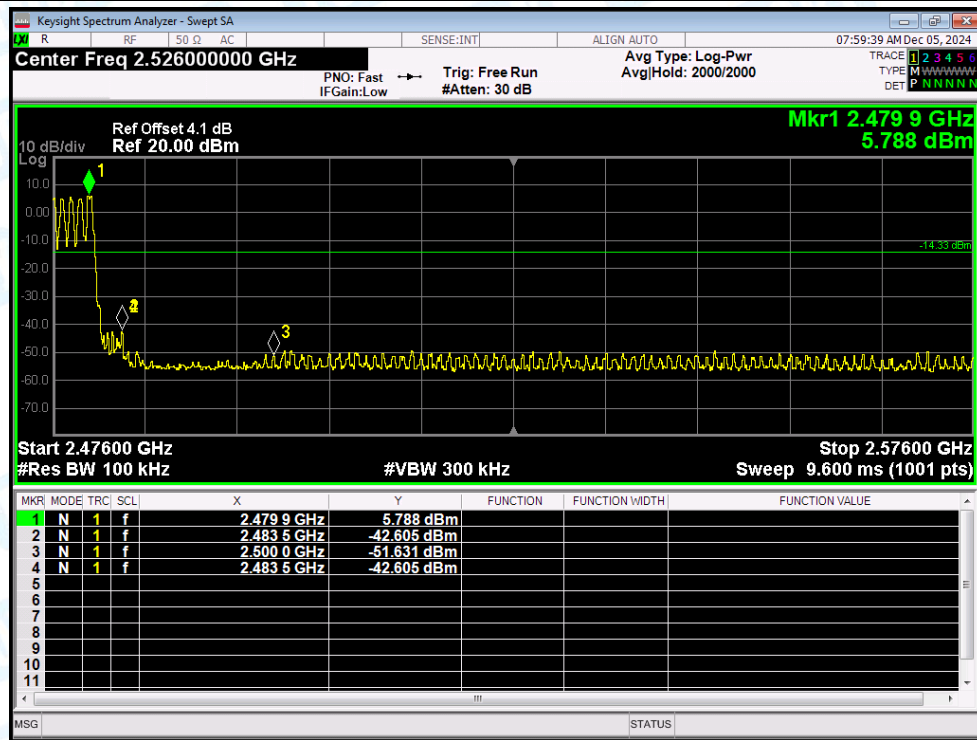
### Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission



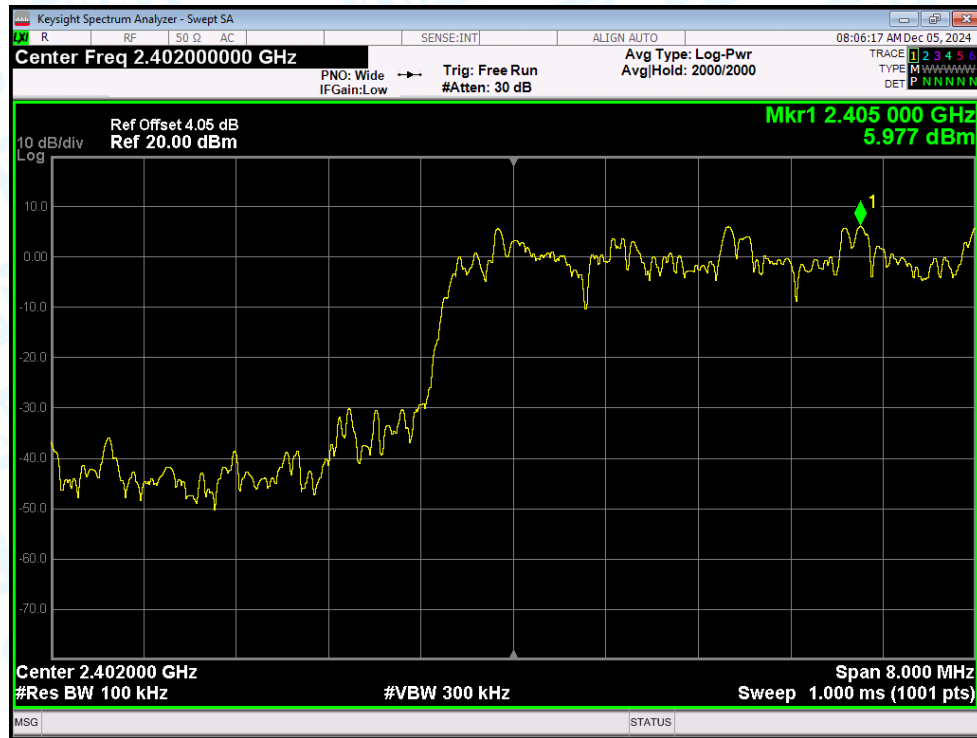
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref



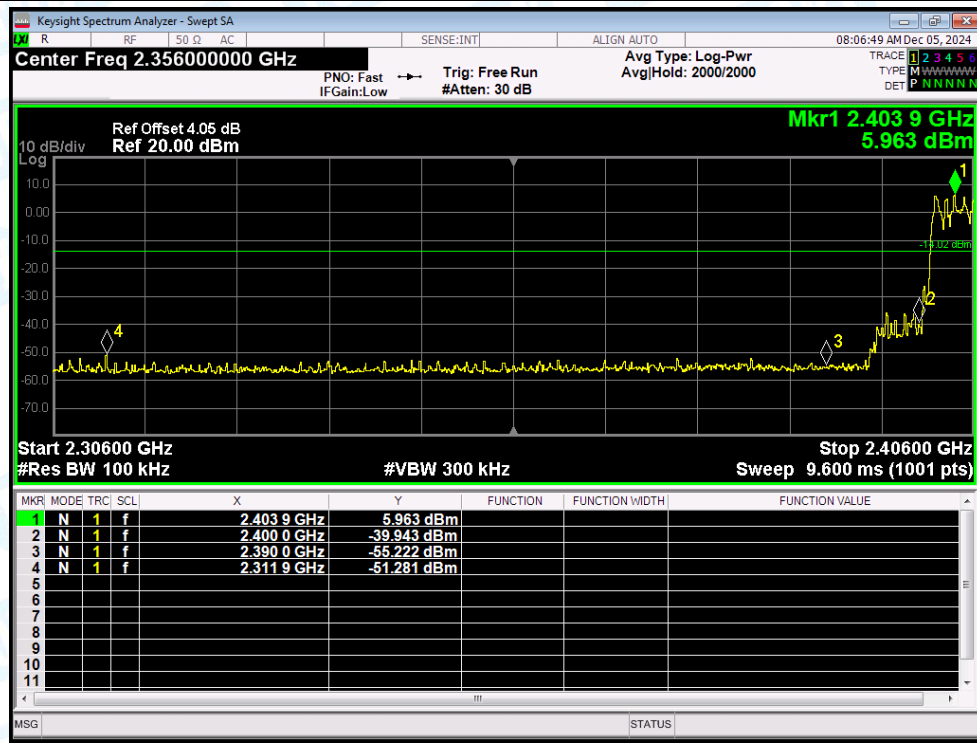
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



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



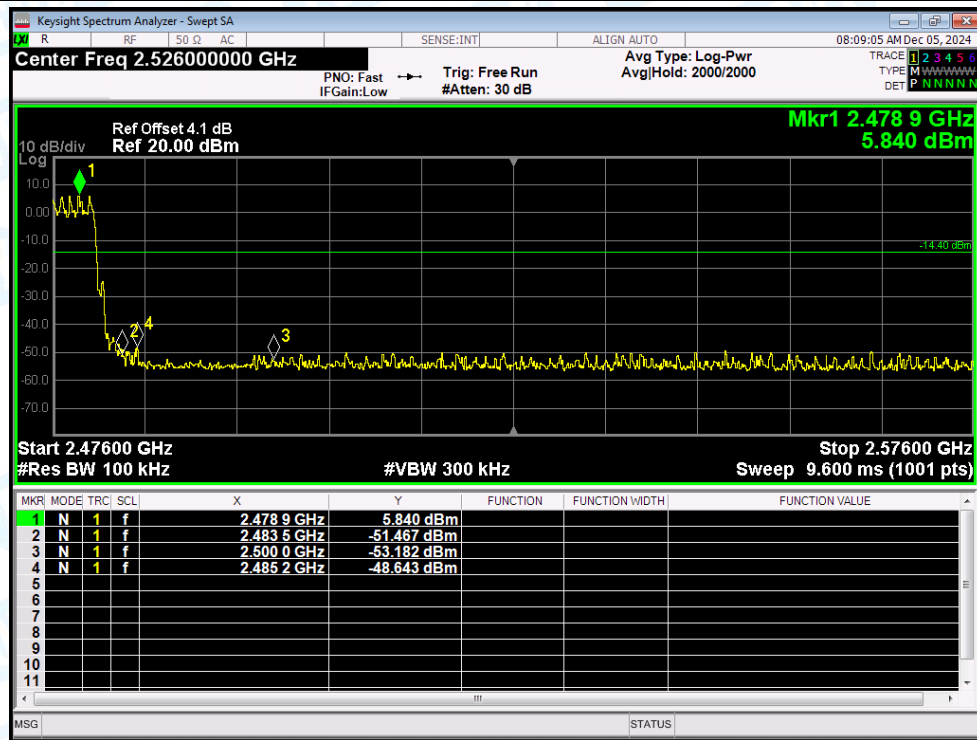
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



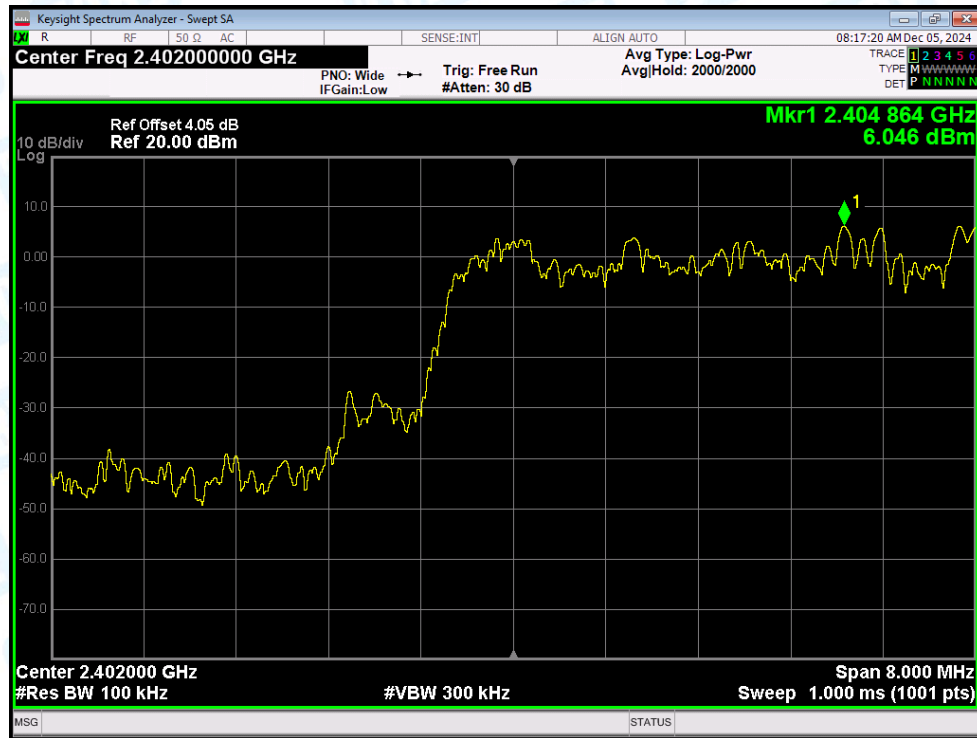
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



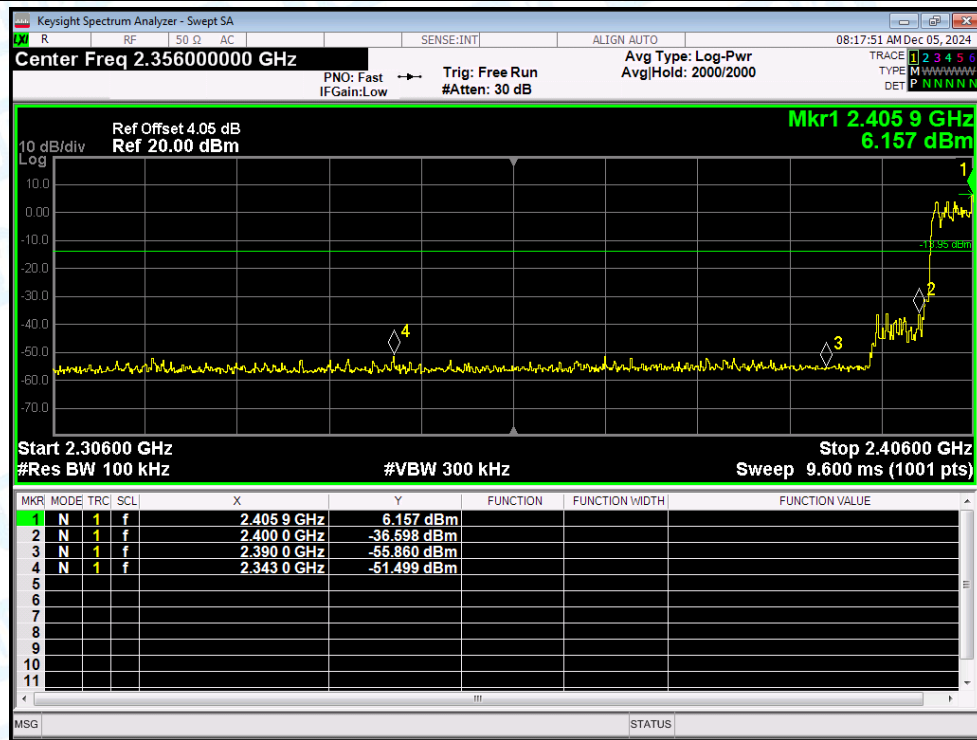
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



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



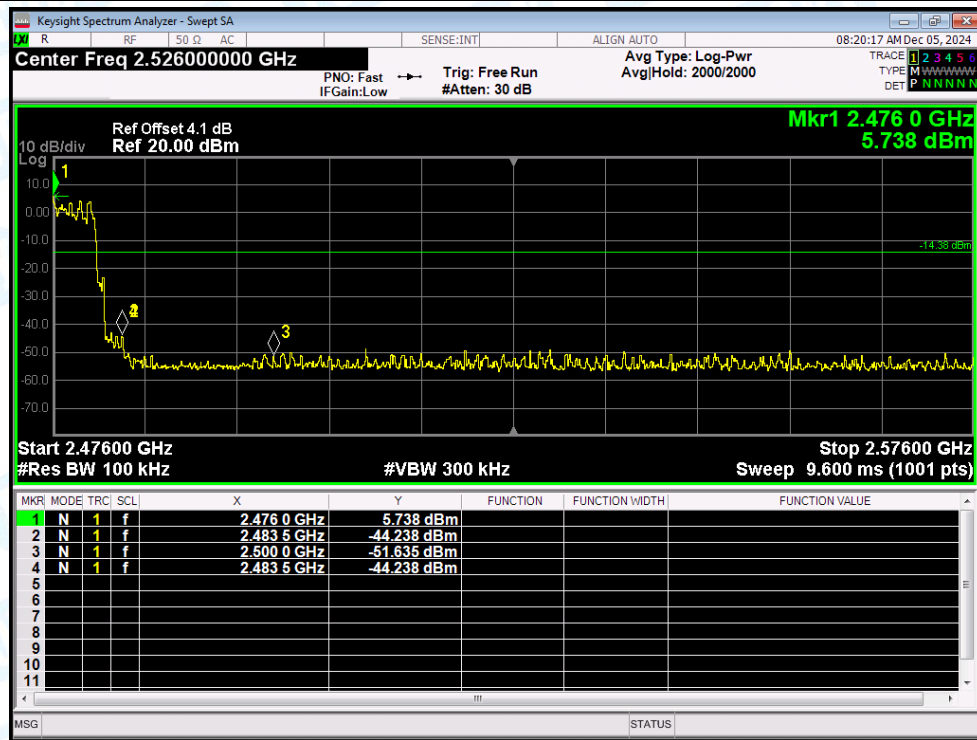
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission



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



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

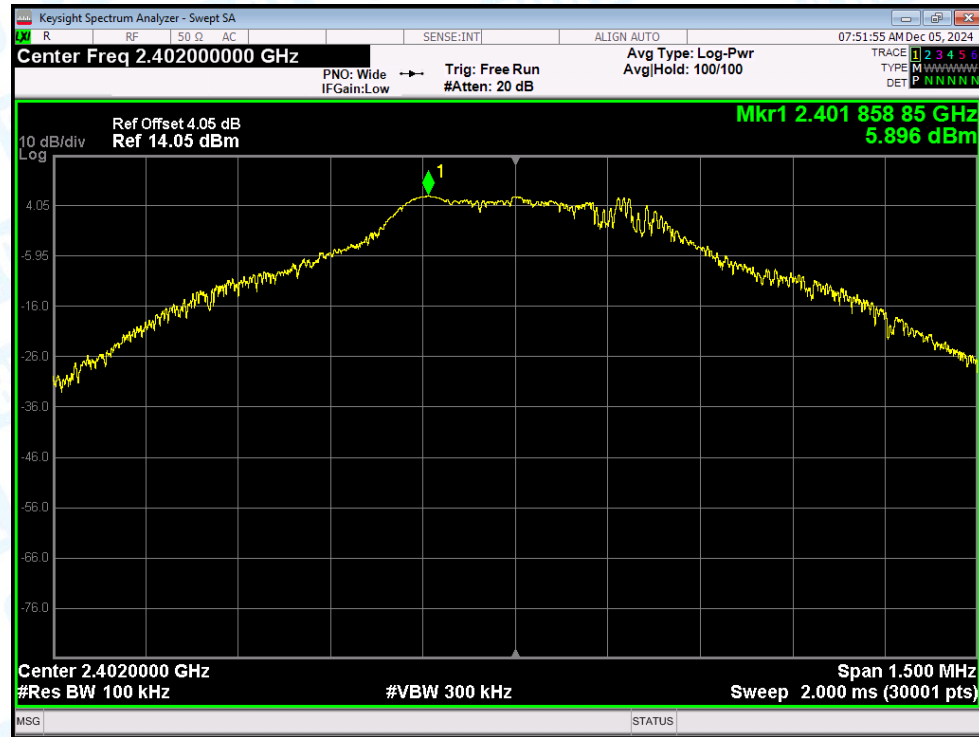


## 7. Conducted RF Spurious Emission

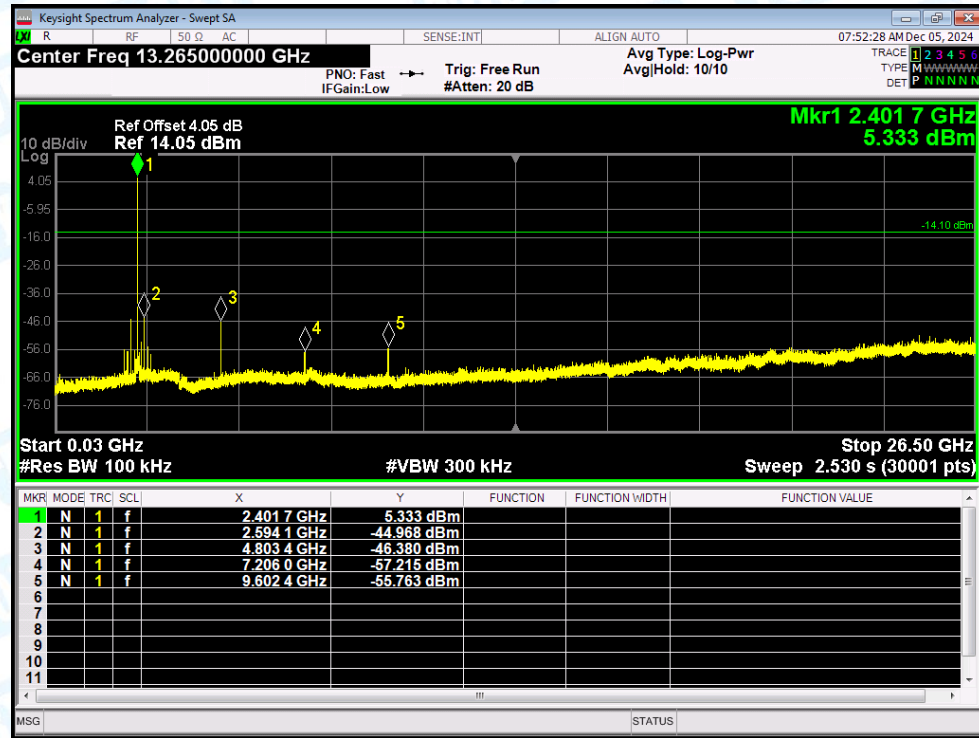
| Condition | Mode  | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | -50.87          | -20         | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | -50.37          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | -50.17          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | -48.61          | -20         | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | -48.63          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | -50.02          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | -51.15          | -20         | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | -49.65          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | -49.3           | -20         | Pass    |

### Test Graphs

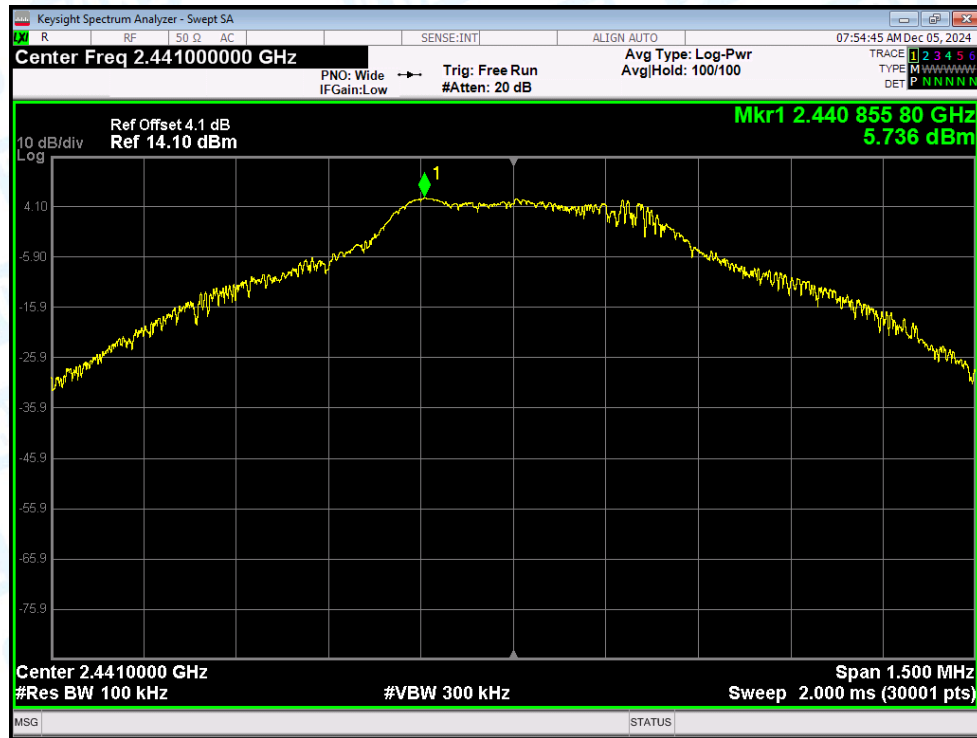
#### Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



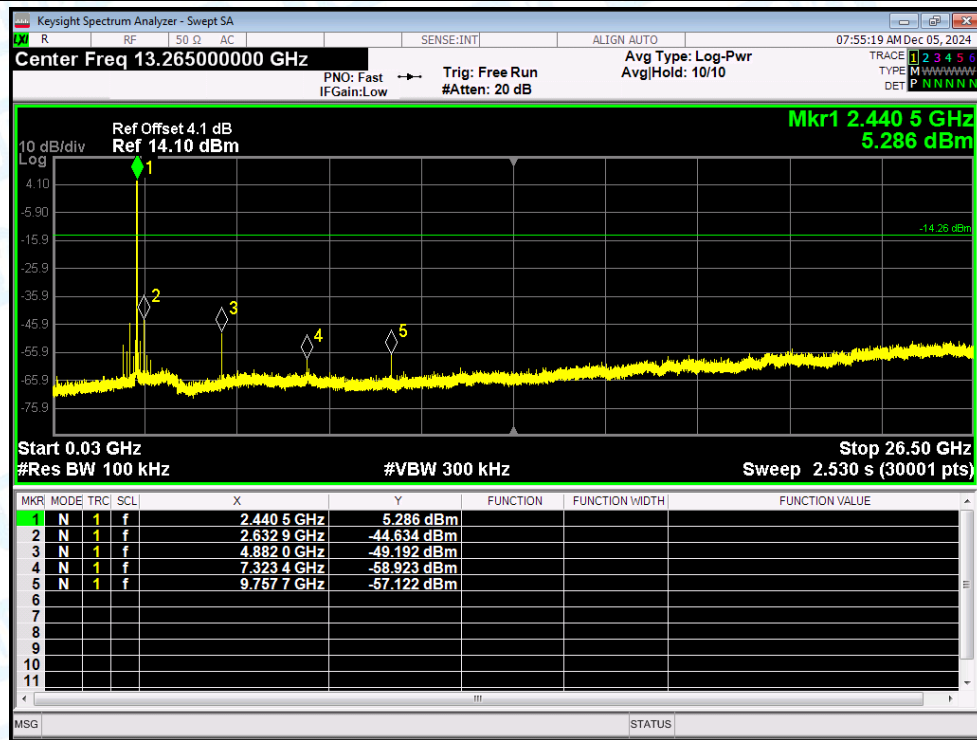
#### Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



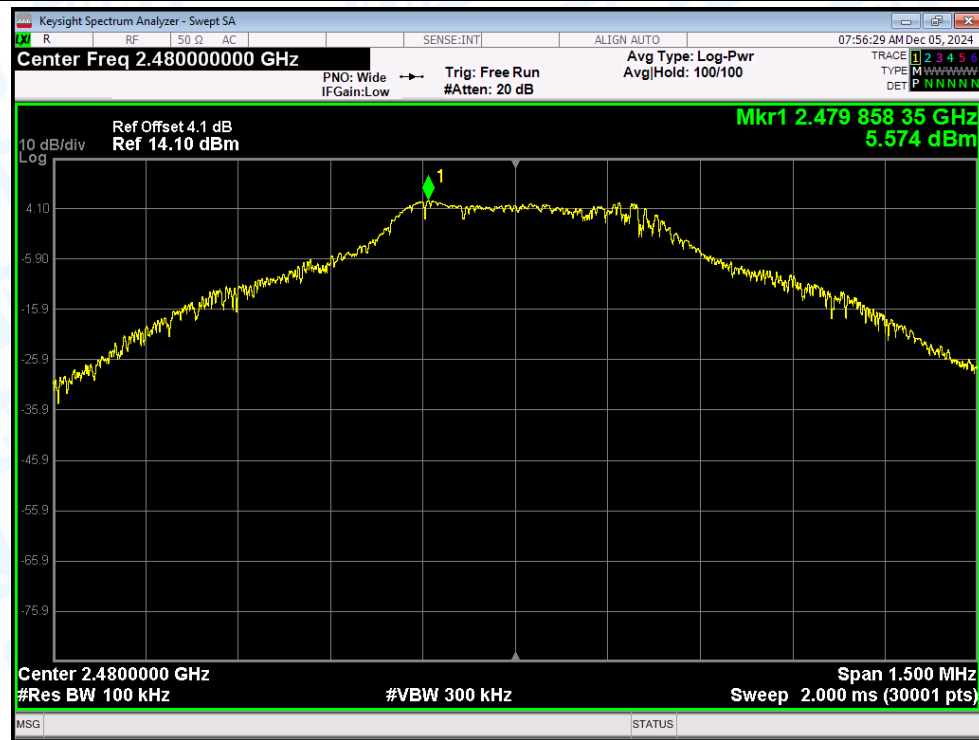
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



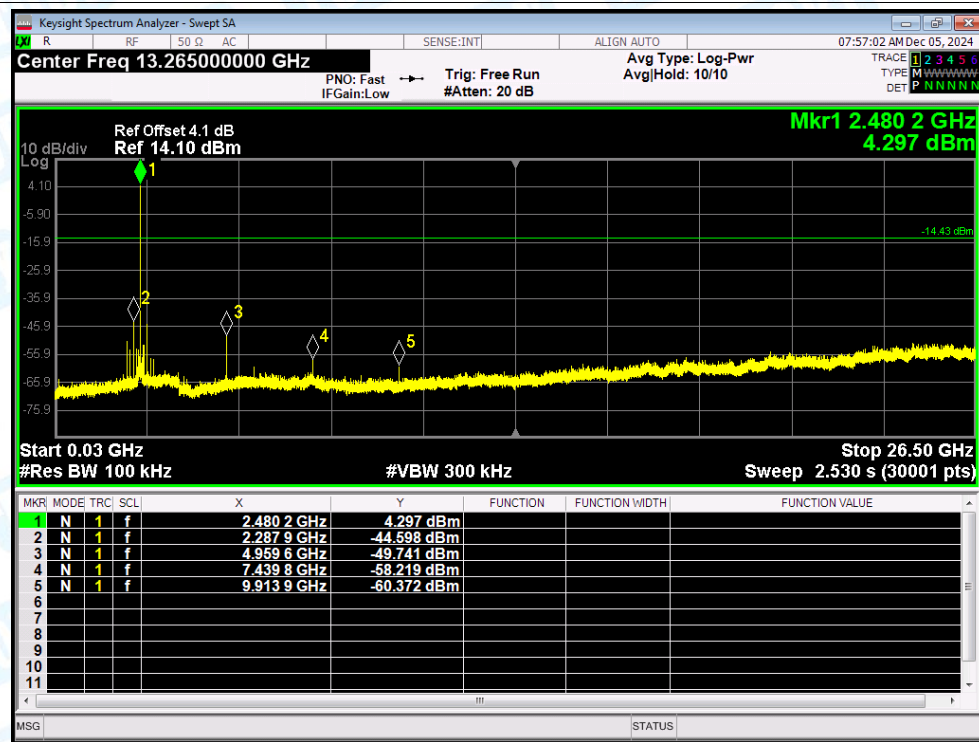
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



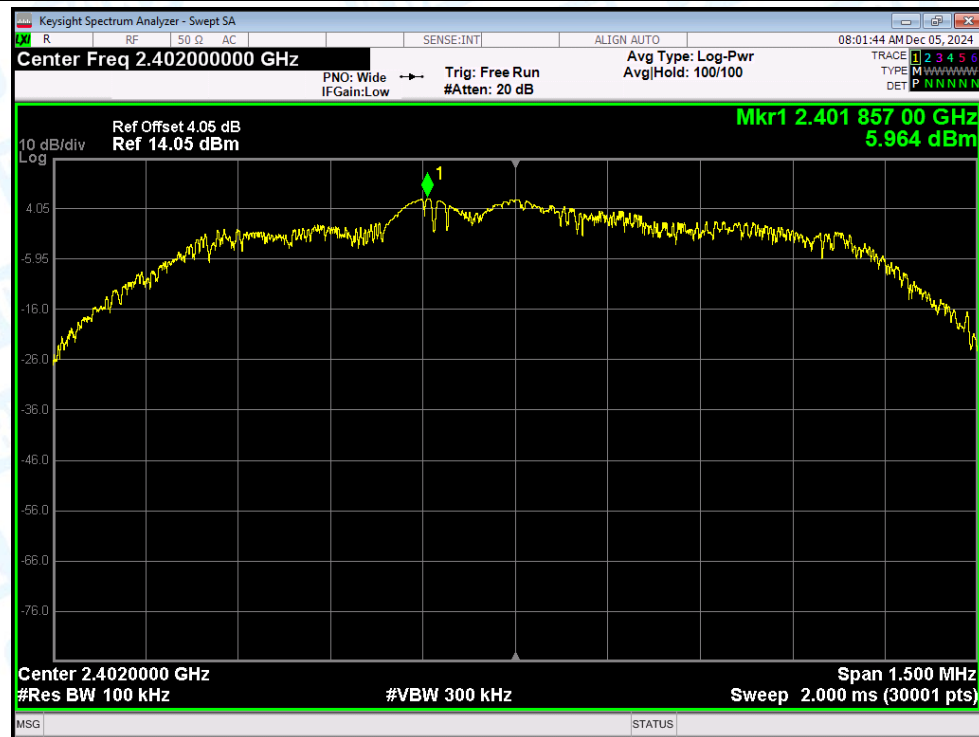
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



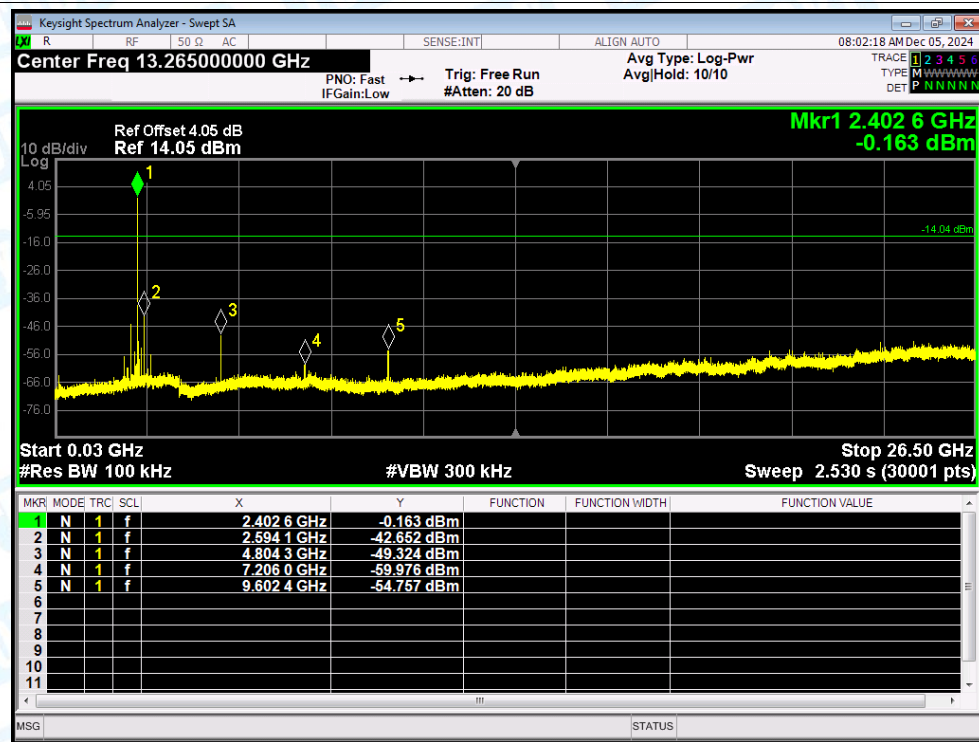
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



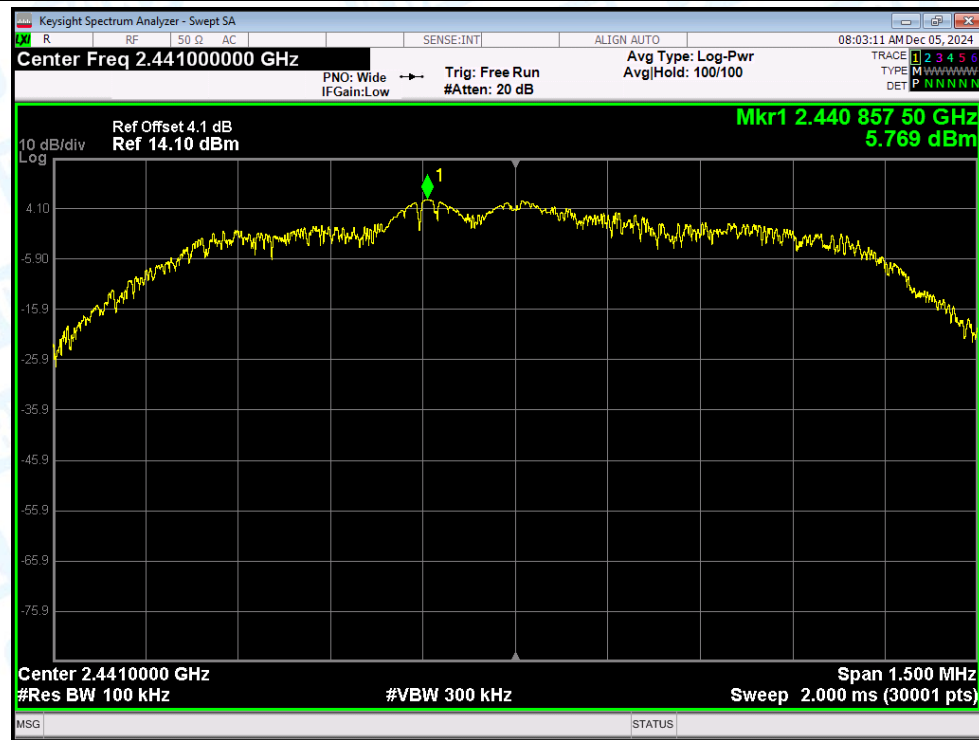
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



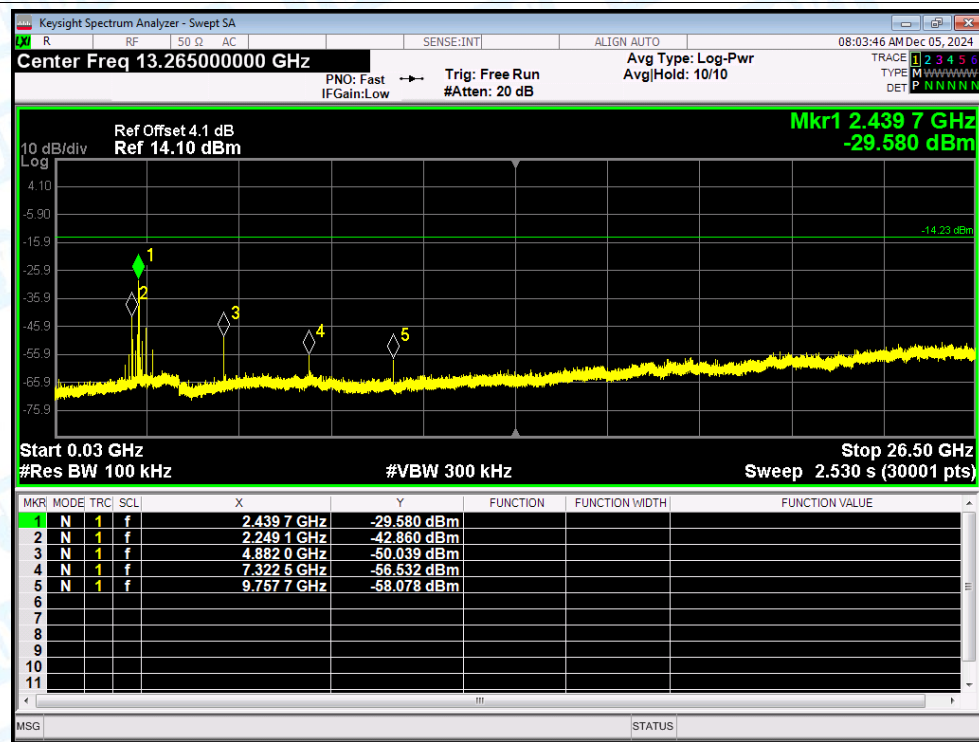
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



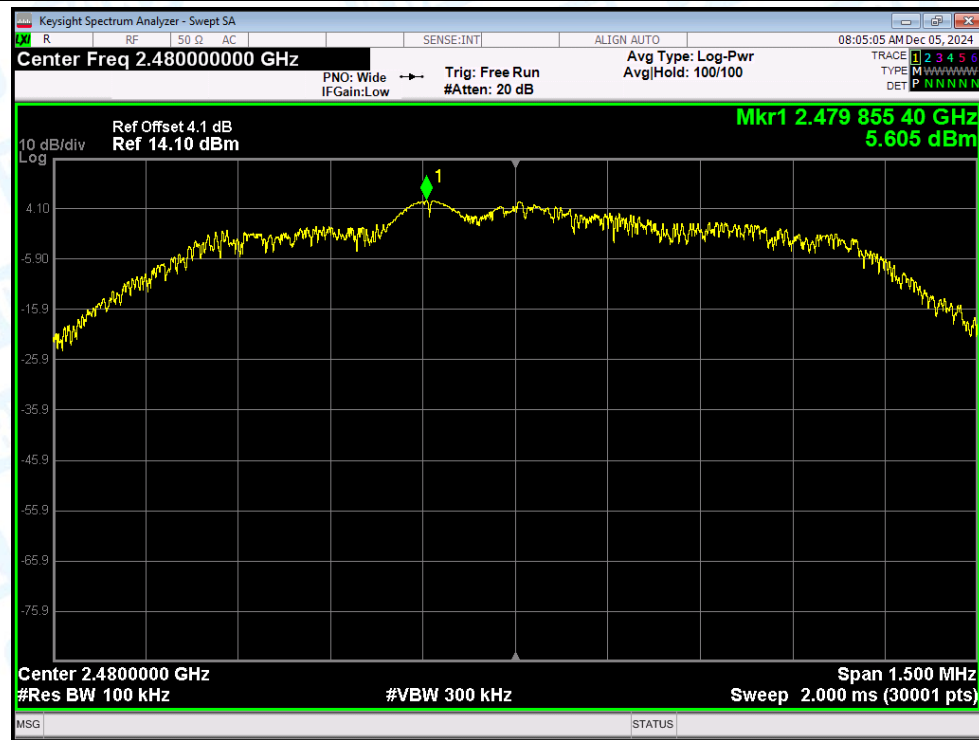
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



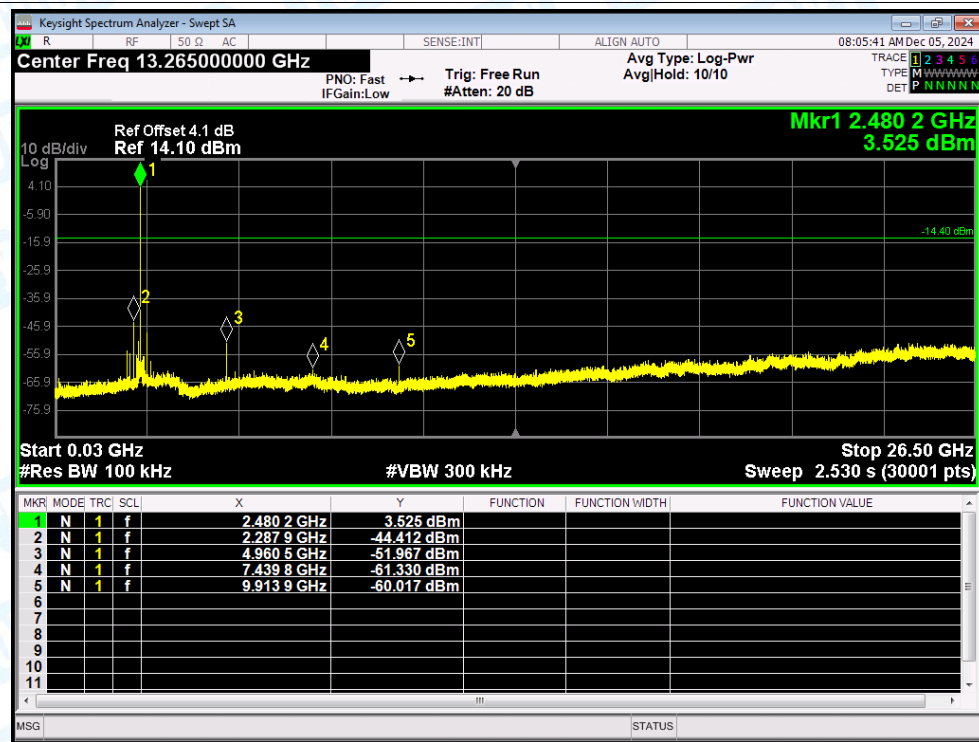
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



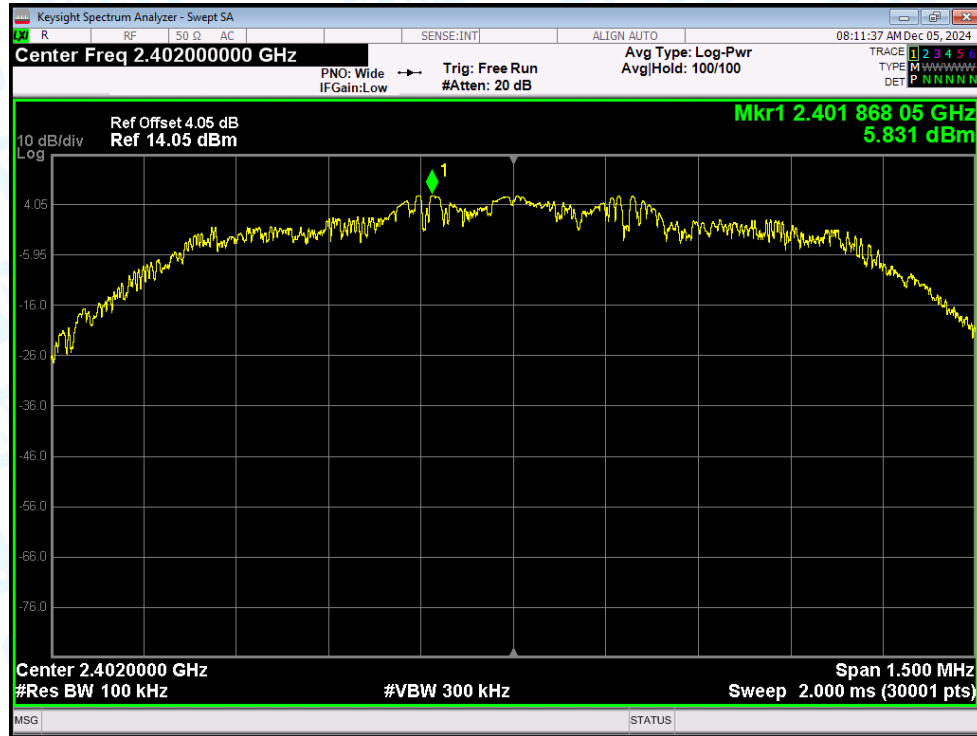
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



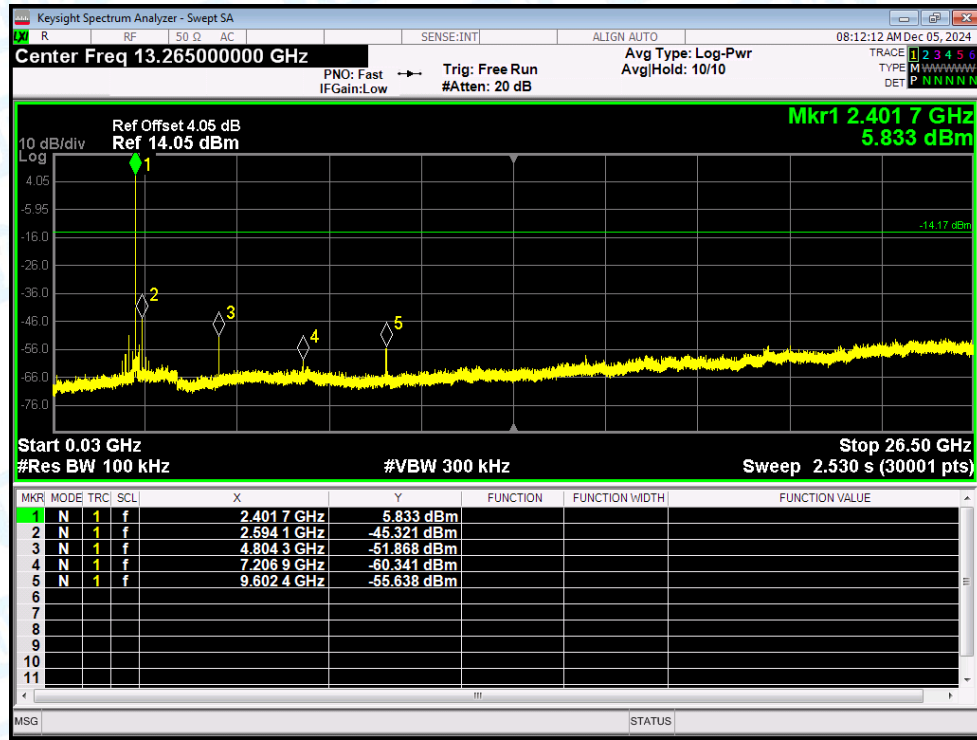
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



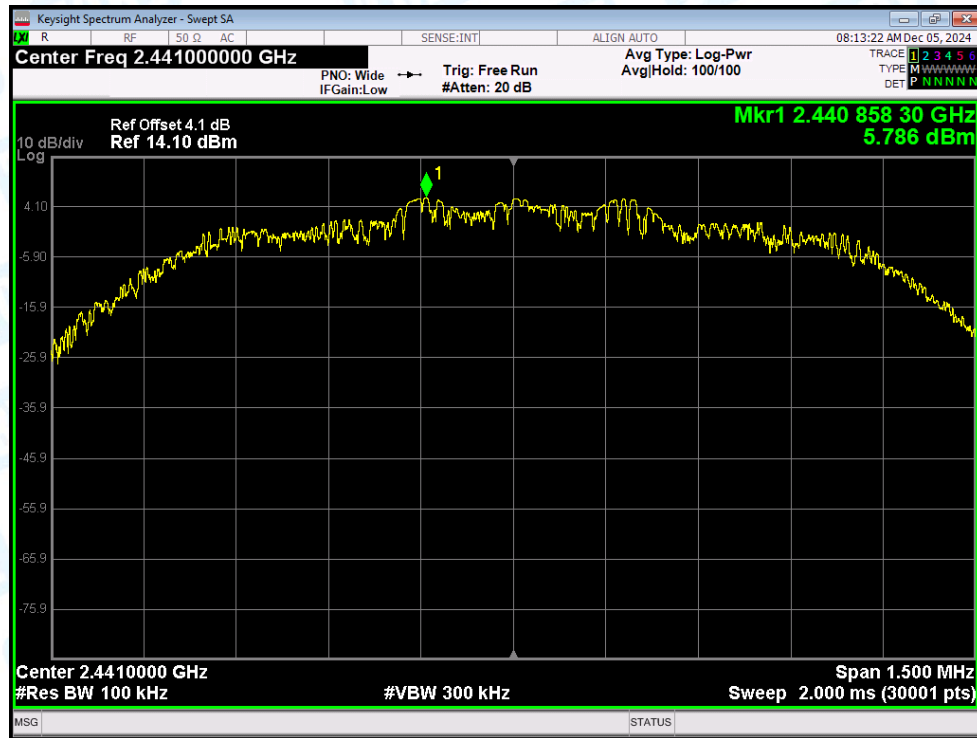
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



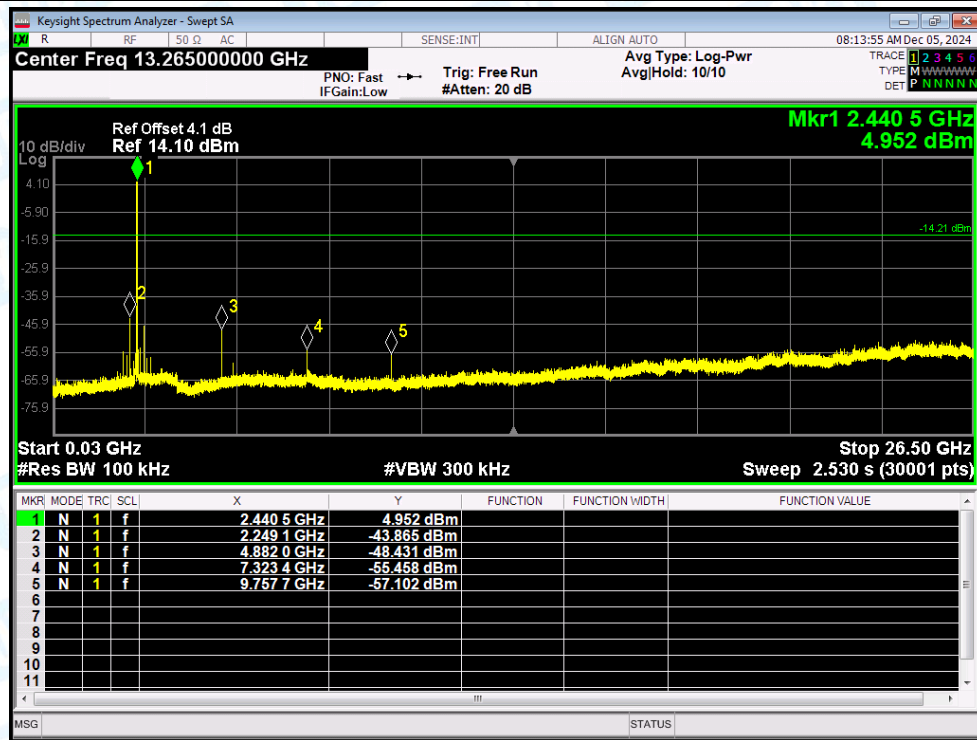
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



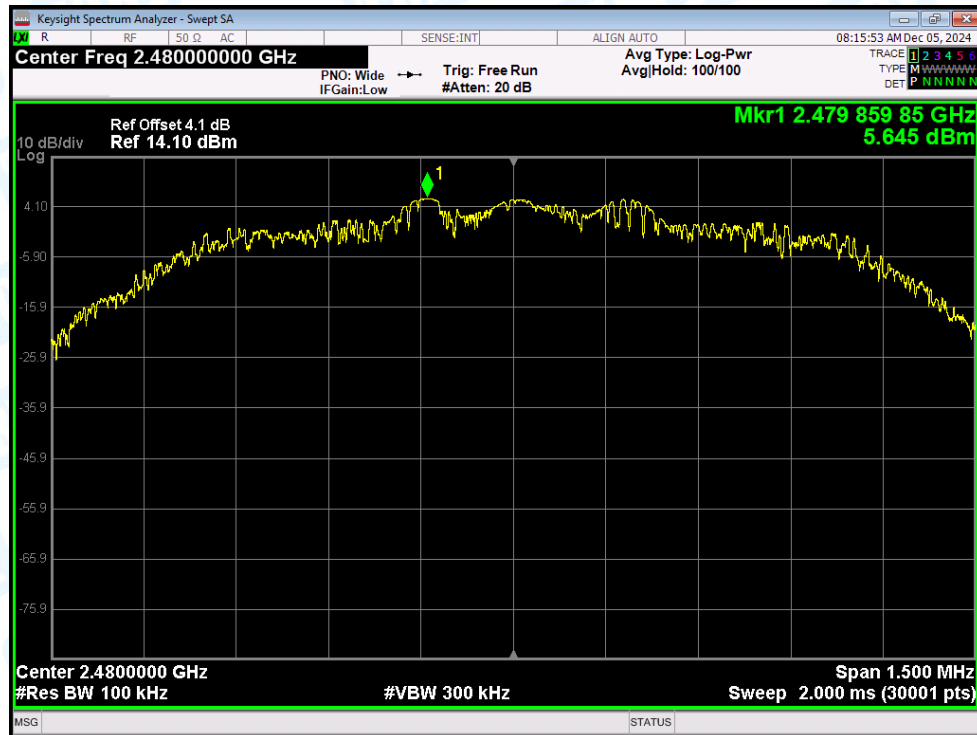
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



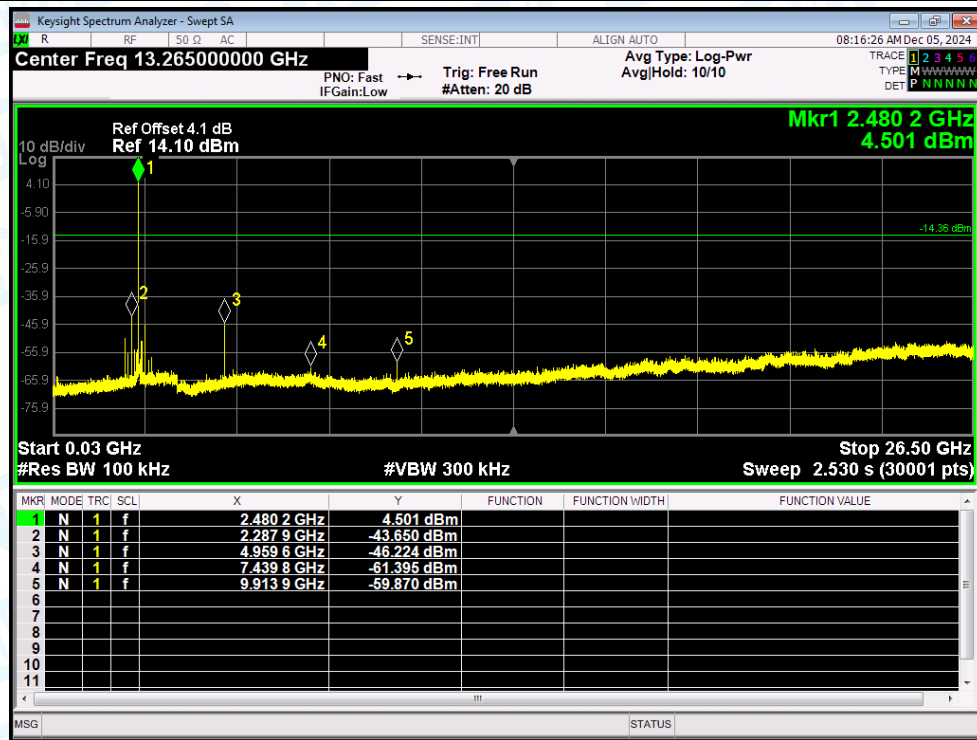
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission

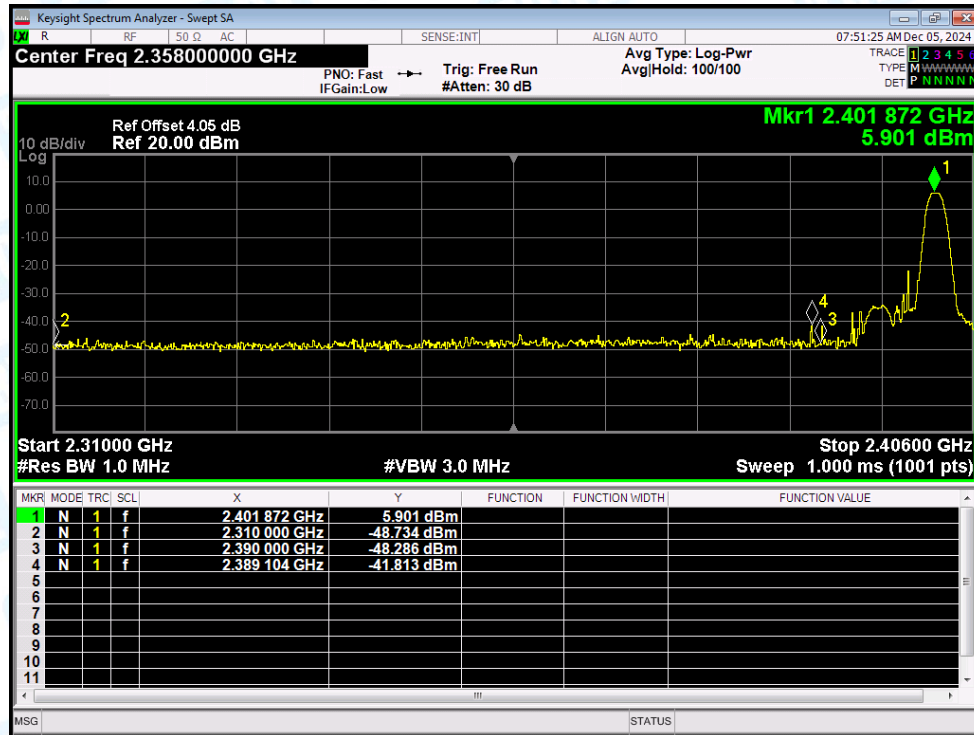


## 8. Restrict Band

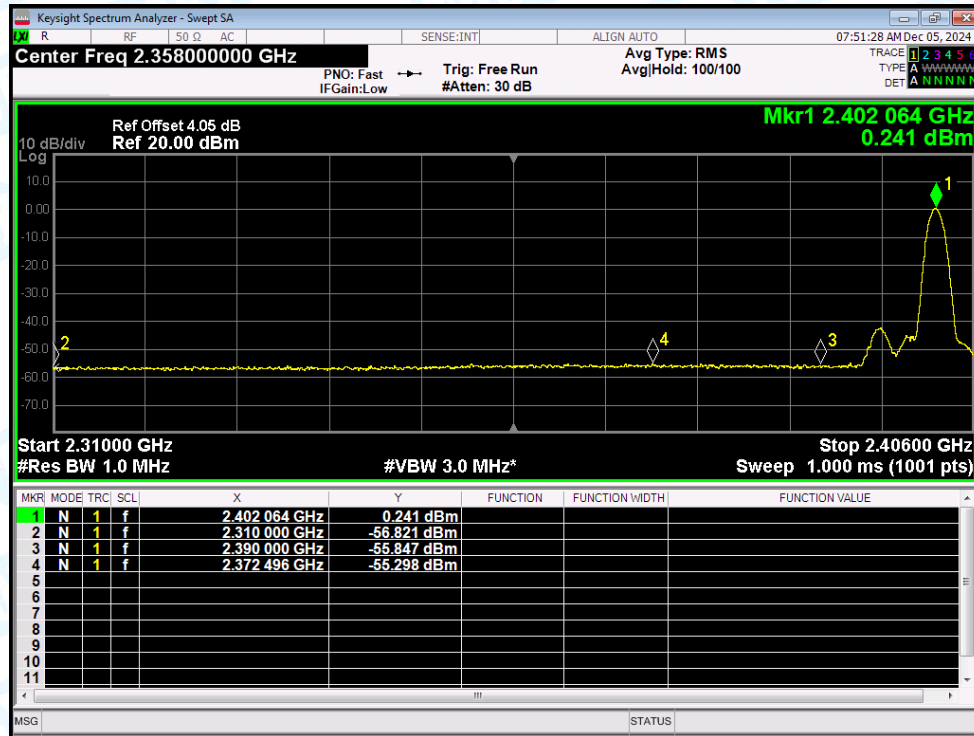
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | Duty Factor (dB) | E (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|------------|------------------|------------|----------|----------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -48.73      | 2          | -                | 48.53      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -56.82      | 2          | 5.17             | 45.61      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2389.104        | -41.81      | 2          | -                | 55.45      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2372.496        | -55.3       | 2          | 5.17             | 47.13      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -48.29      | 2          | -                | 48.97      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -55.85      | 2          | 5.17             | 46.58      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -39.46      | 2          | -                | 57.8       | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -49.08      | 2          | 5.17             | 53.35      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.608        | -38.5       | 2          | -                | 58.76      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.632        | -48.95      | 2          | 5.17             | 53.48      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -47.29      | 2          | -                | 49.97      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -55.67      | 2          | 5.17             | 46.76      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -48.55      | 2          | -                | 48.71      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -56.34      | 2          | 4.95             | 45.87      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2389.872        | -38.4       | 2          | -                | 58.86      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2384.016        | -55.27      | 2          | 4.95             | 46.94      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -47.59      | 2          | -                | 49.67      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -55.74      | 2          | 4.95             | 46.47      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -40.57      | 2          | -                | 56.69      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -50.19      | 2          | 4.95             | 52.02      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2484.952        | -32.13      | 2          | -                | 65.13      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.56         | -49.54      | 2          | 4.95             | 52.67      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -47.19      | 2          | -                | 50.07      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -55.65      | 2          | 4.95             | 46.56      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -47.97      | 2          | -                | 49.29      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -57.46      | 2          | 5.06             | 44.86      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2377.776        | -45.1       | 2          | -                | 52.16      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2363.184        | -55.37      | 2          | 5.06             | 46.95      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -48.15      | 2          | -                | 49.11      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -55.92      | 2          | 5.06             | 46.4       | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -39.81      | 2          | -                | 57.45      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -49.75      | 2          | 5.06             | 52.57      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.728        | -38.15      | 2          | -                | 59.11      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.512        | -49.75      | 2          | 5.06             | 52.57      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -44.85      | 2          | -                | 52.41      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -55.32      | 2          | 5.06             | 47         | Average  | 54             | Pass    |

### Test Graphs

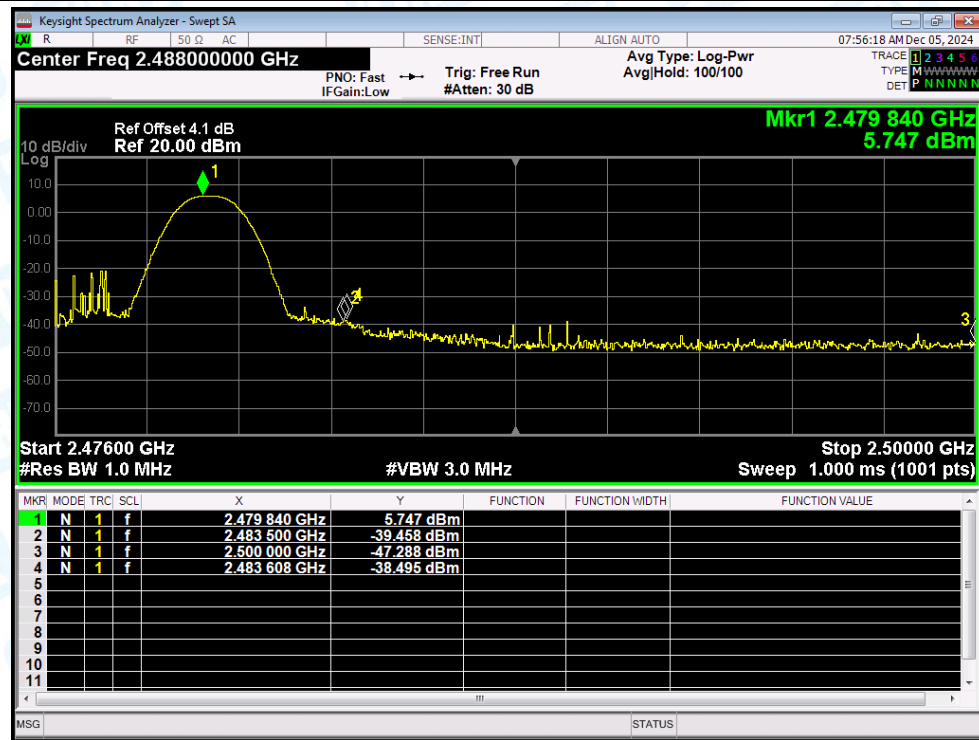
#### Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Peak



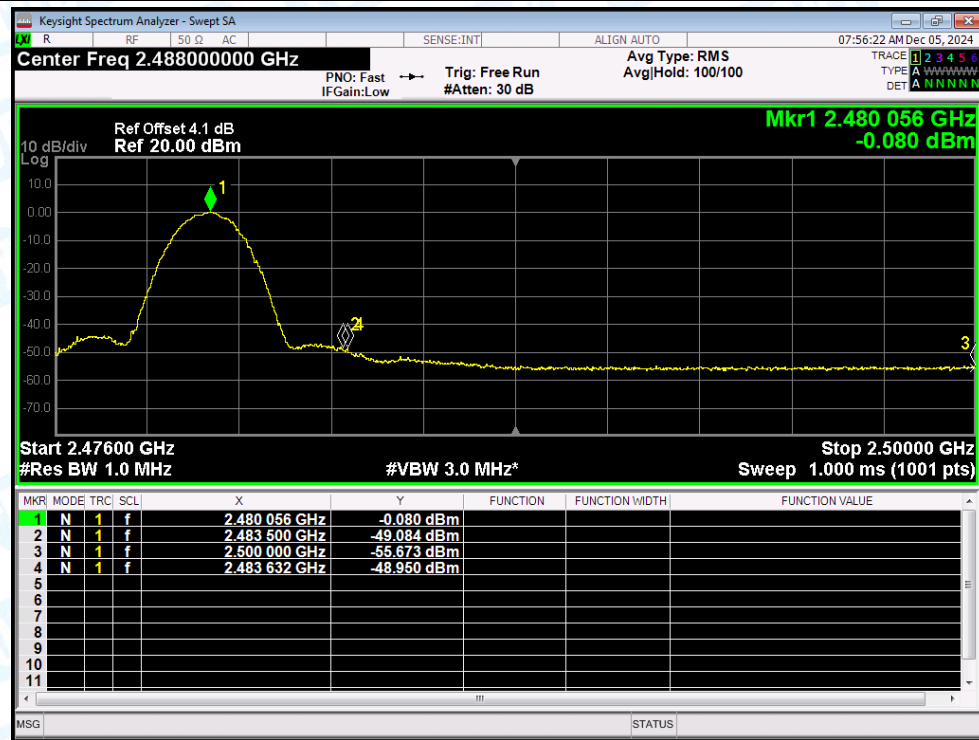
#### Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Average



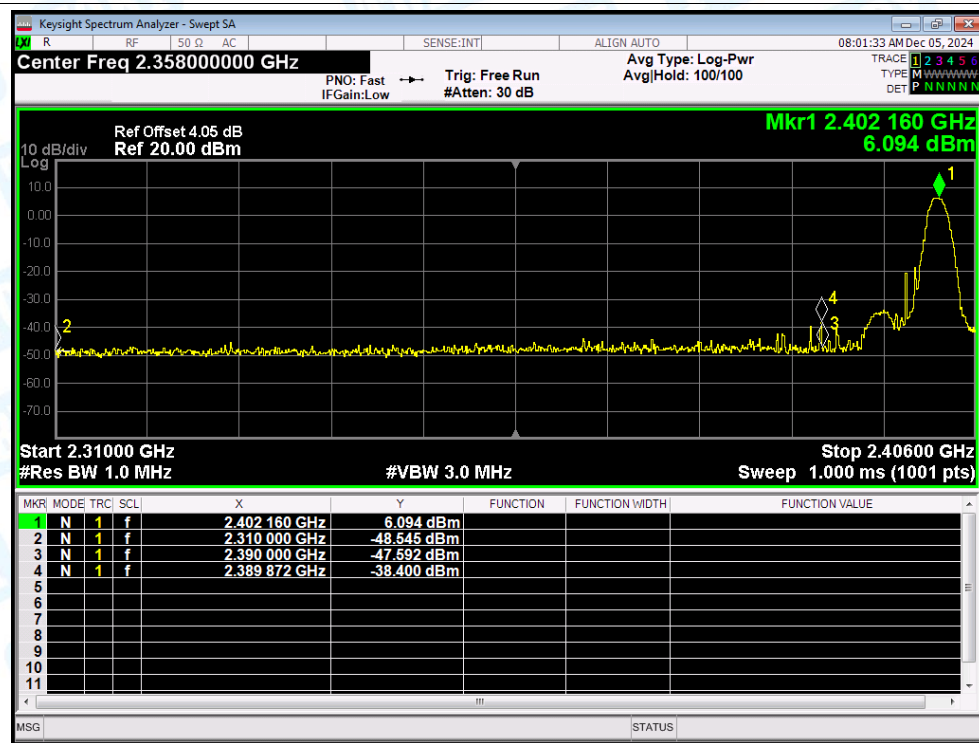
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Peak



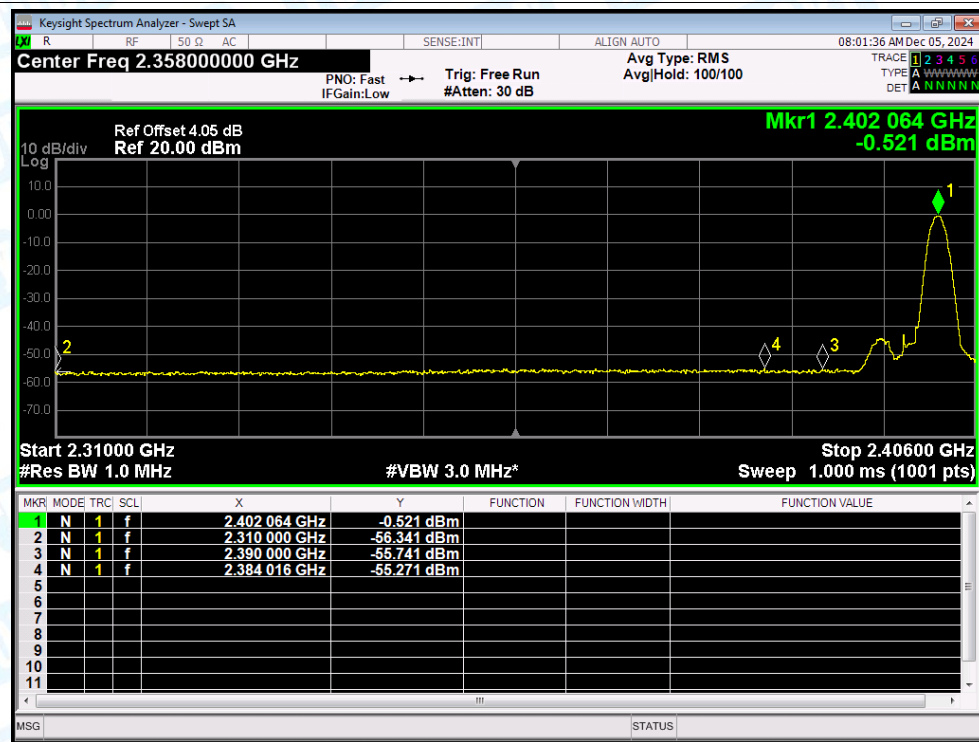
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Average



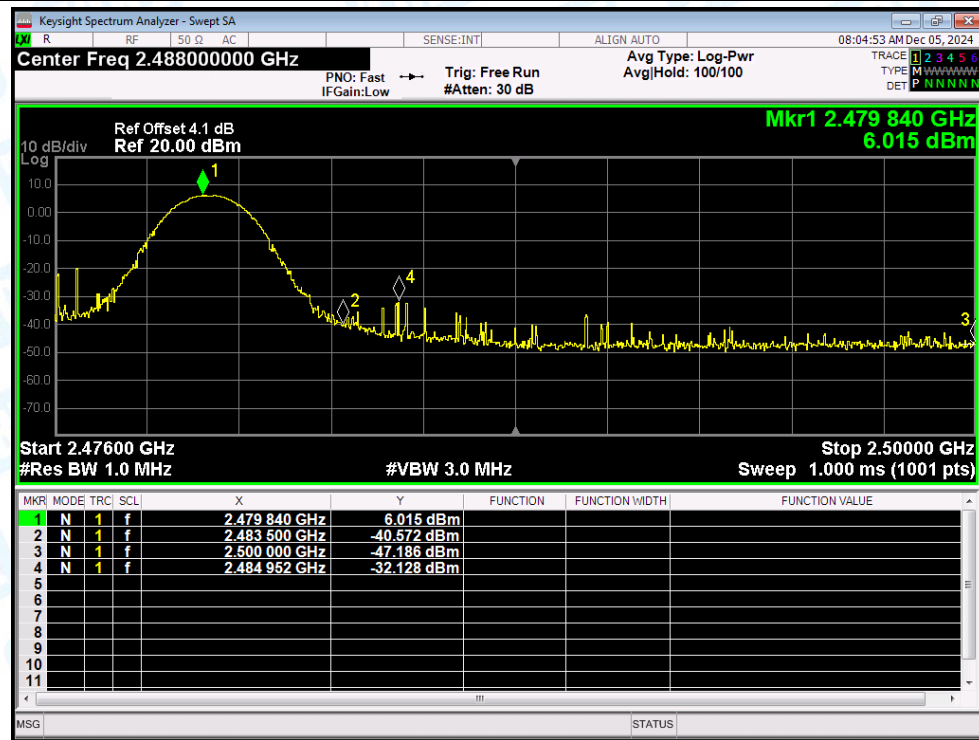
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Peak



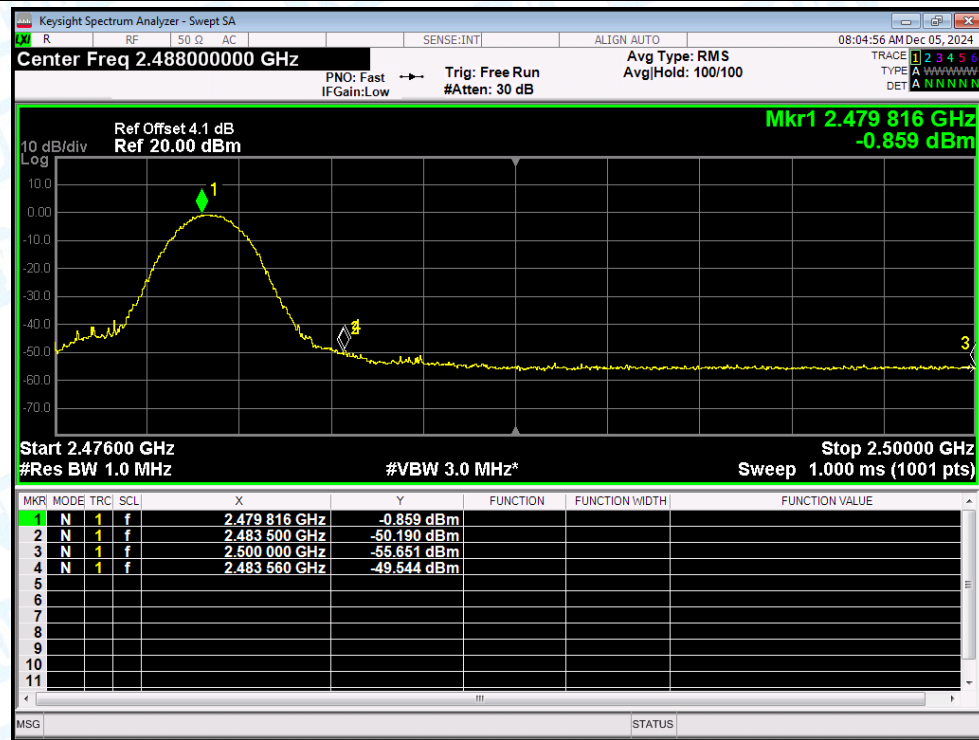
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Average



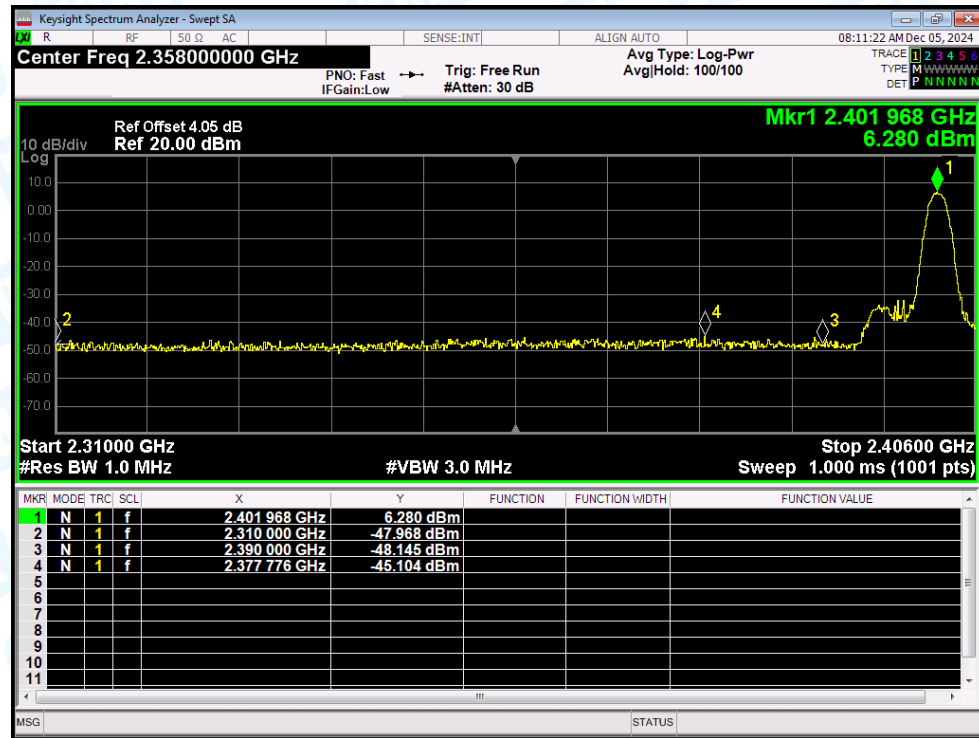
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Peak



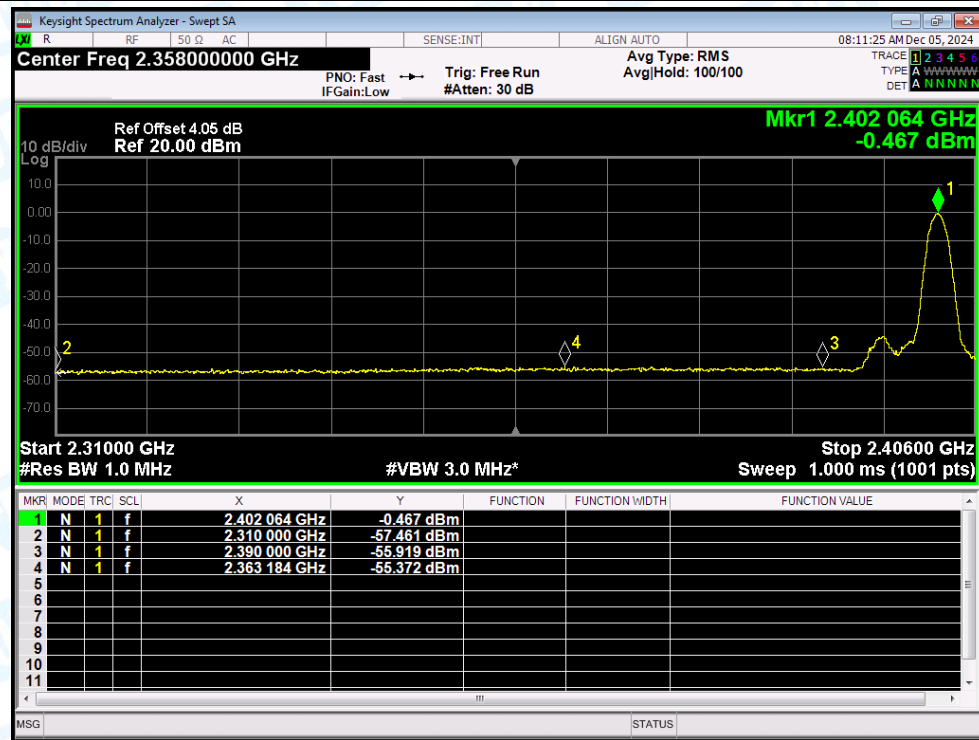
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Average



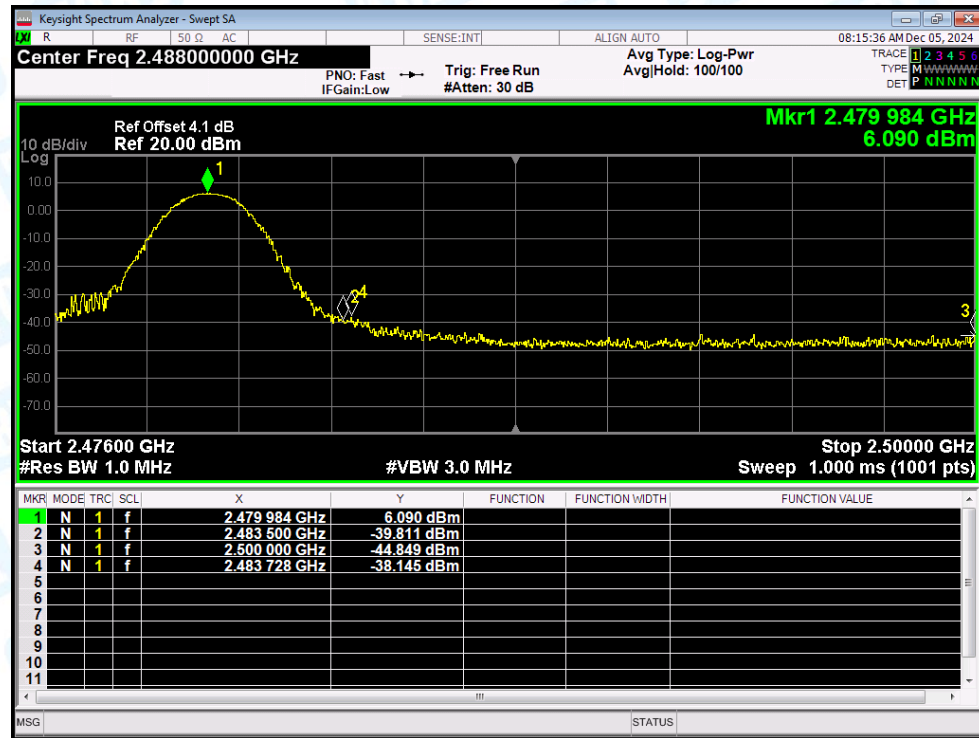
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Peak



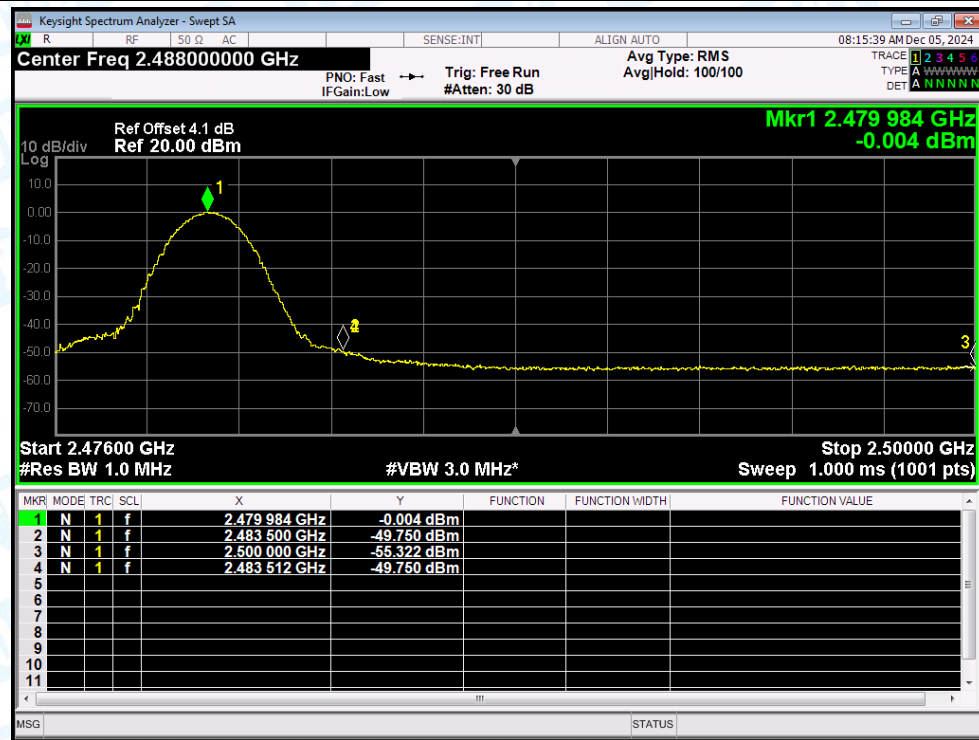
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Average



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



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

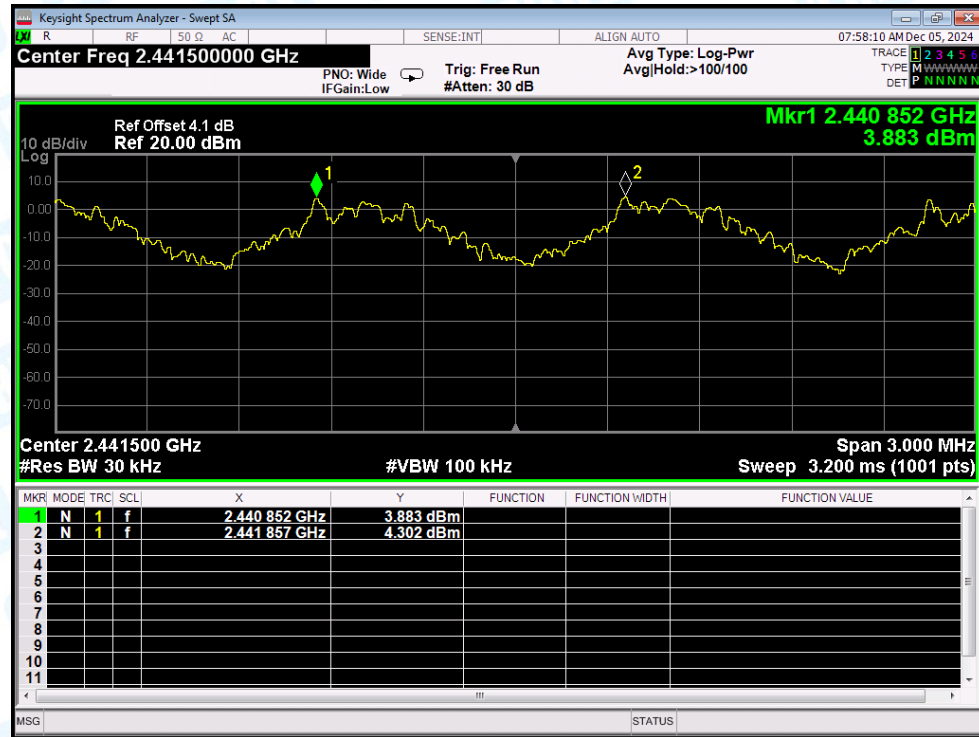


## 9. Carrier Frequencies Separation

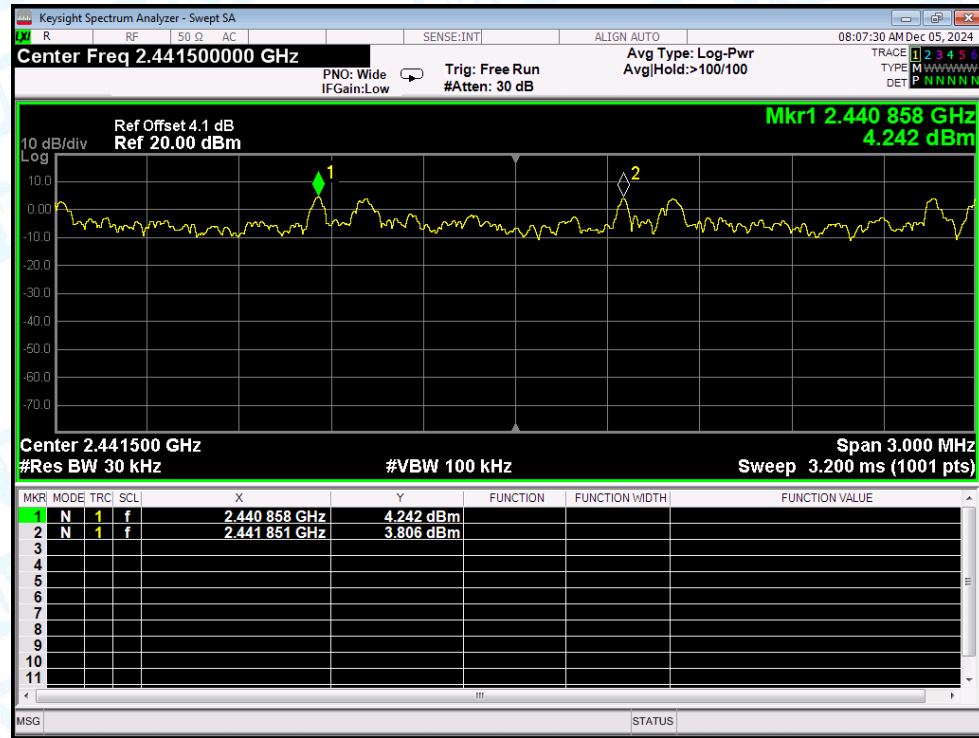
| Condition | Mode  | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|-----------|-------|---------|---------------------|---------------------|-----------|-------------|---------|
| NVNT      | 1-DH1 | Ant1    | 2440.852            | 2441.857            | 1.005     | 0.56        | Pass    |
| NVNT      | 2-DH1 | Ant1    | 2440.858            | 2441.851            | 0.993     | 0.827       | Pass    |
| NVNT      | 3-DH1 | Ant1    | 2441.005            | 2442.013            | 1.008     | 0.82        | Pass    |

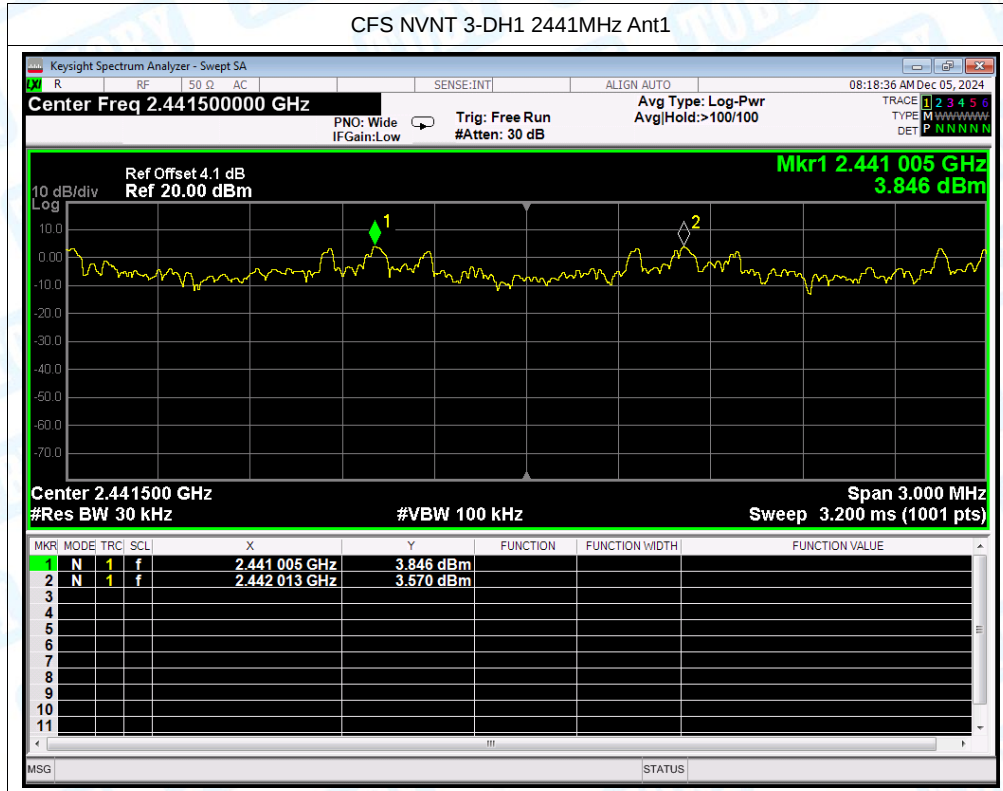
### Test Graphs

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



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



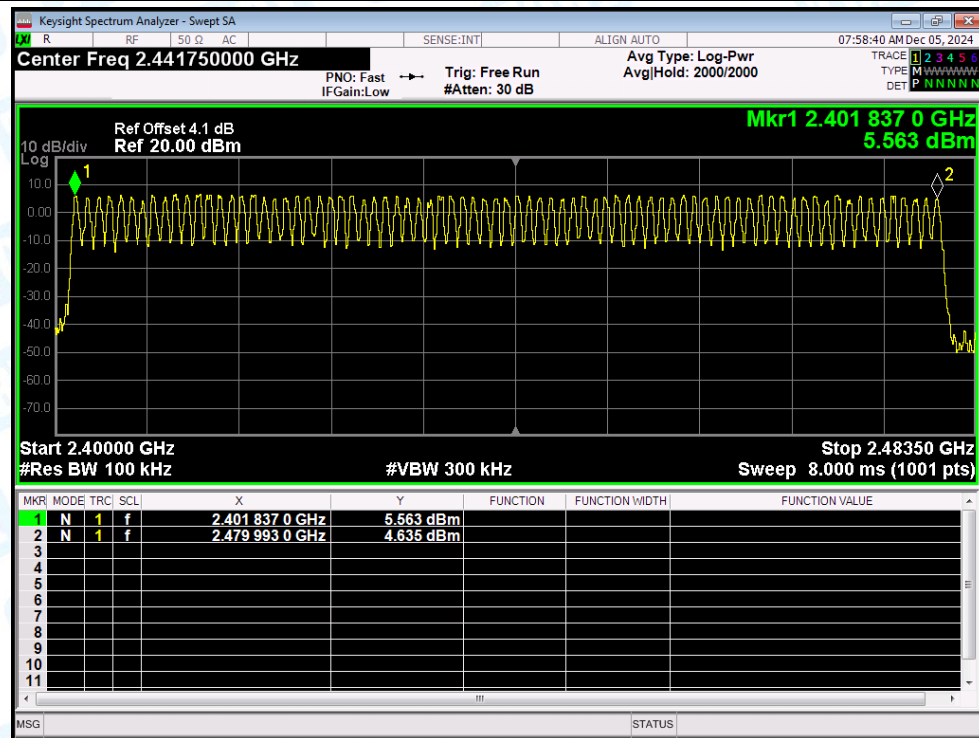


10. Number of Hopping Channel

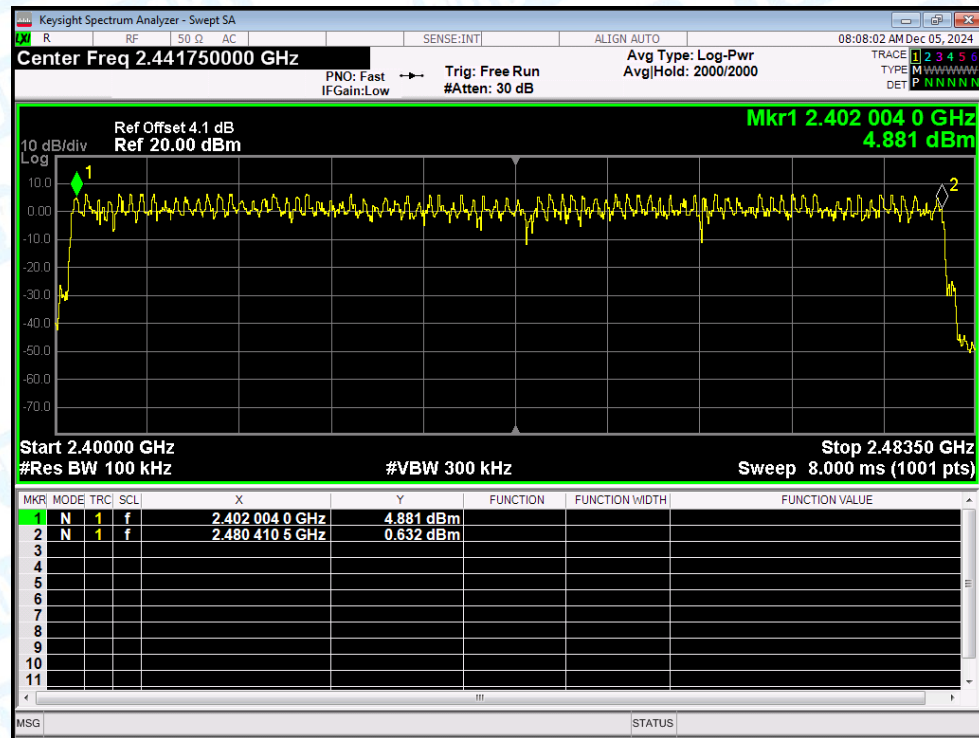
| Condition | Mode  | Antenna | Hopping Number | Limit | Verdict |
|-----------|-------|---------|----------------|-------|---------|
| NVNT      | 1-DH1 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 2-DH1 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 3-DH1 | Ant1    | 79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

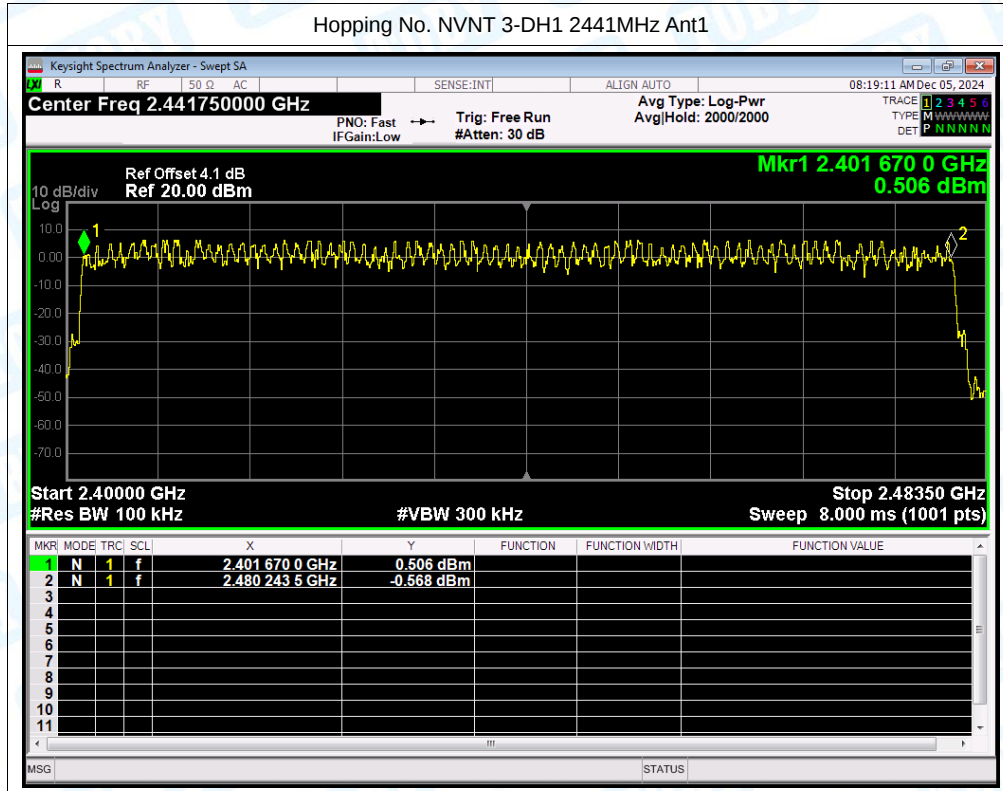
### Test Graphs

Hopping No. NVNT 1-DH1 2441MHz Ant1



Hopping No. NVNT 2-DH1 2441MHz Ant1



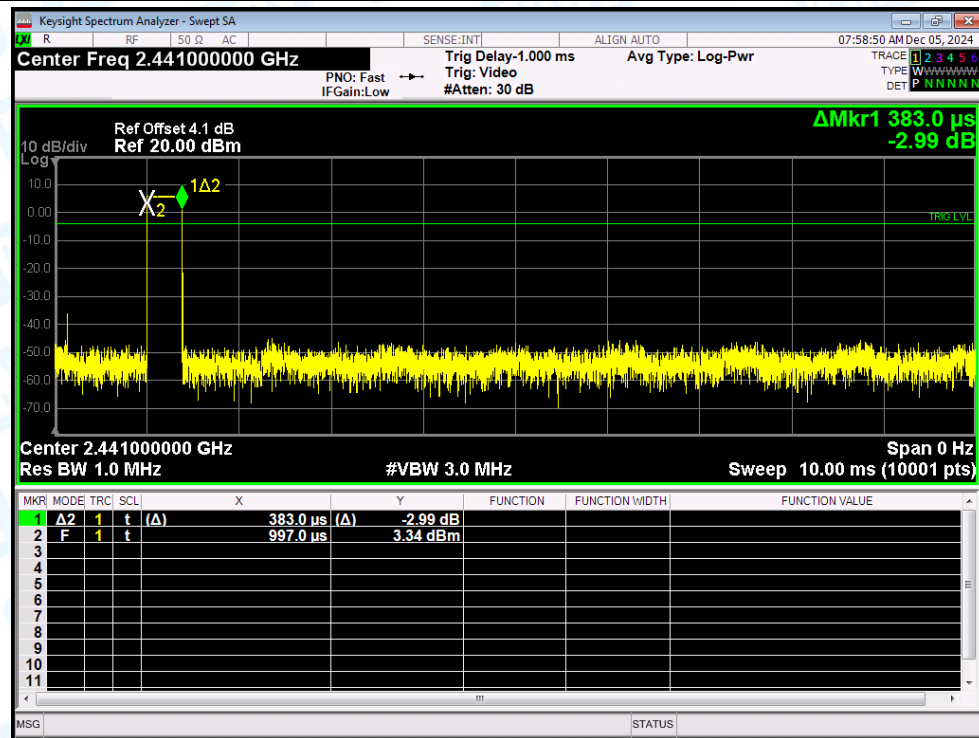


## 11. Dwell Time

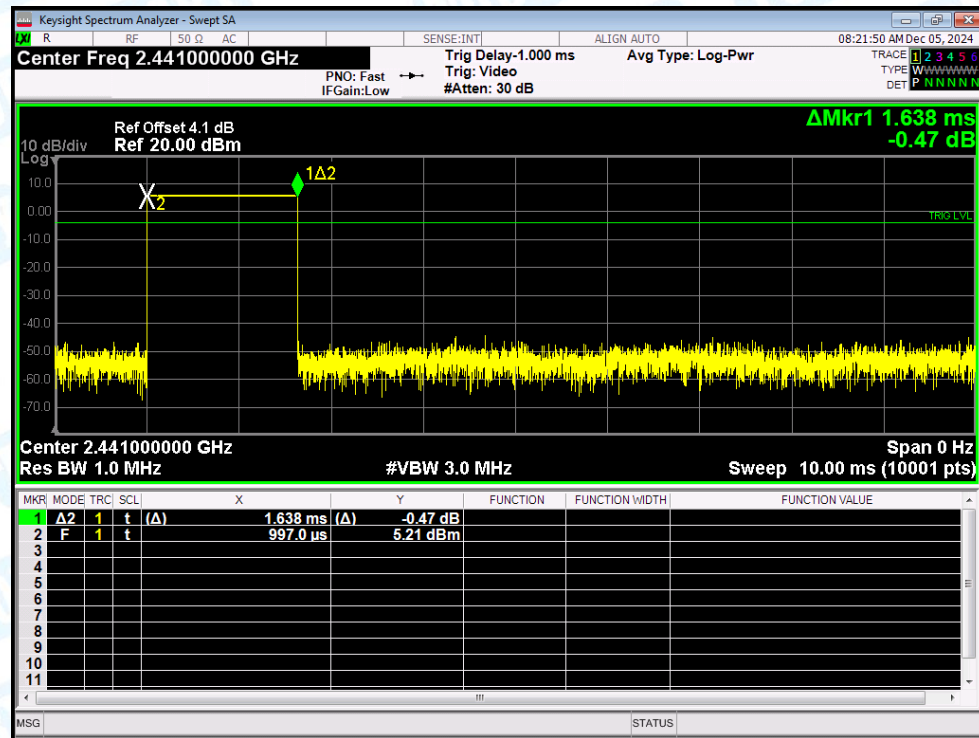
| Condition | Mode  | Frequency (MHz) | Antenna | Pulse Time (ms) | Total Dwell Time (ms) | Period Time (ms) | Limit (ms) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-----------------------|------------------|------------|---------|
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.383           | 122.56                | 31600            | 400        | Pass    |
| NVNT      | 1-DH3 | 2441            | Ant1    | 1.638           | 262.08                | 31600            | 400        | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 2.887           | 307.947               | 31600            | 400        | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 0.385           | 123.2                 | 31600            | 400        | Pass    |
| NVNT      | 2-DH3 | 2441            | Ant1    | 1.637           | 261.92                | 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    | 1.642           | 262.72                | 31600            | 400        | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 2.893           | 308.587               | 31600            | 400        | Pass    |

### Test Graphs

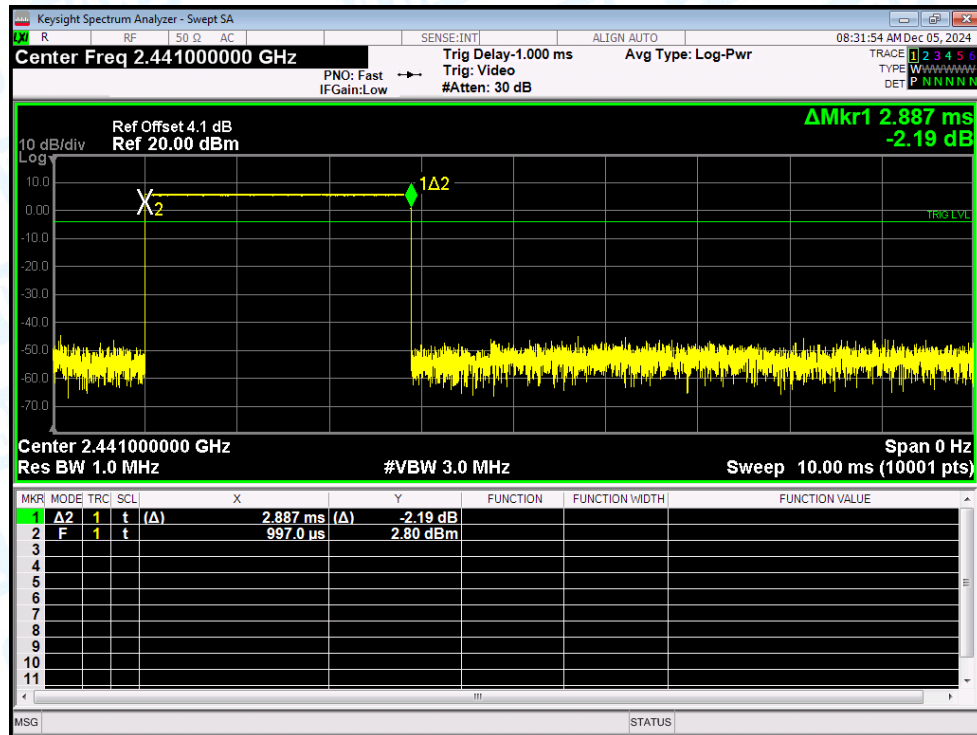
#### Dwell NVNT 1-DH1 2441MHz Ant1



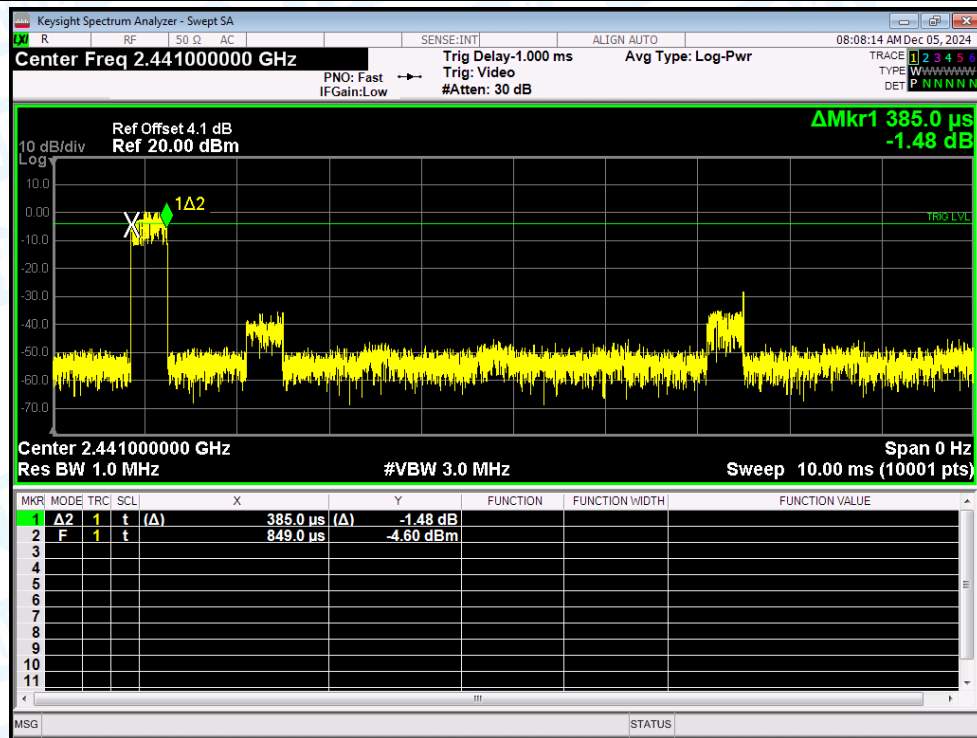
#### Dwell NVNT 1-DH3 2441MHz Ant1



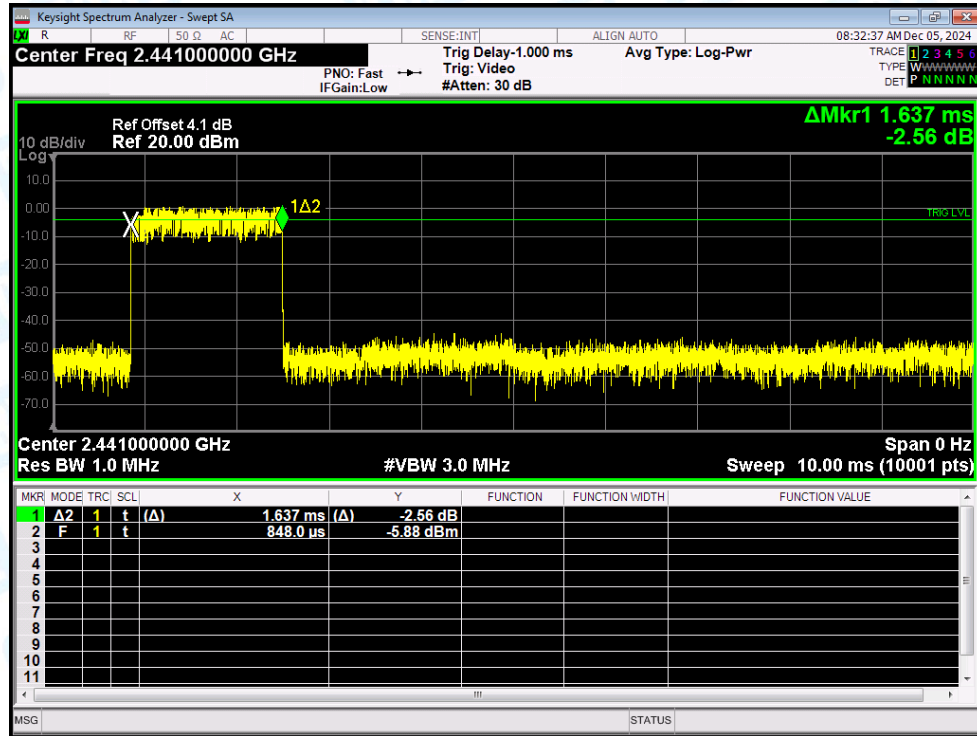
Dwell NVNT 1-DH5 2441MHz Ant1



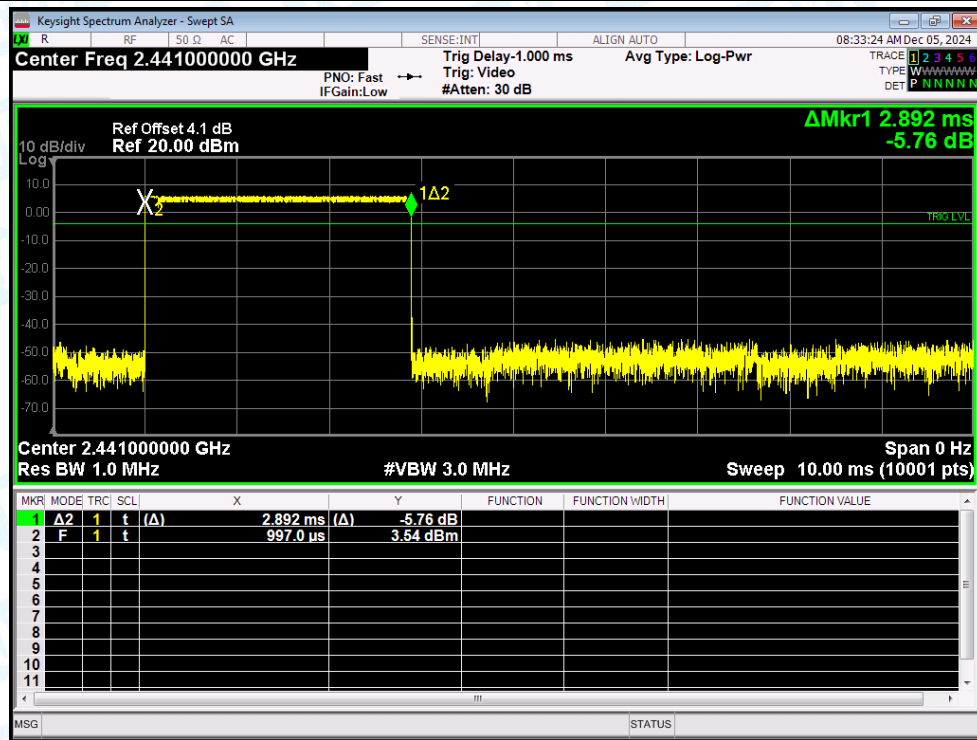
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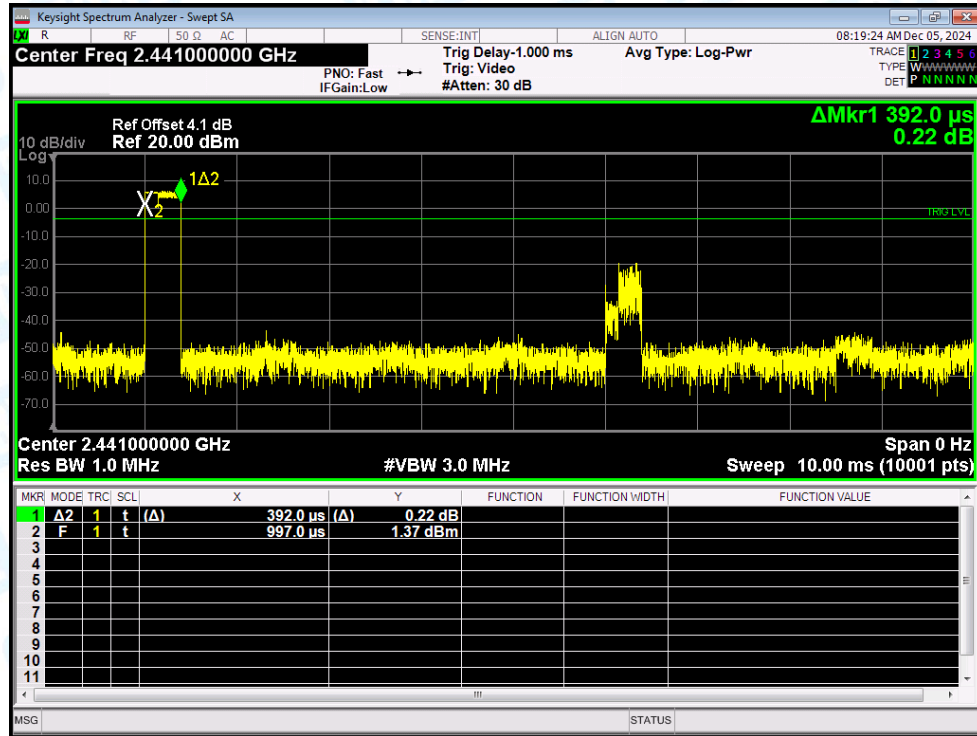
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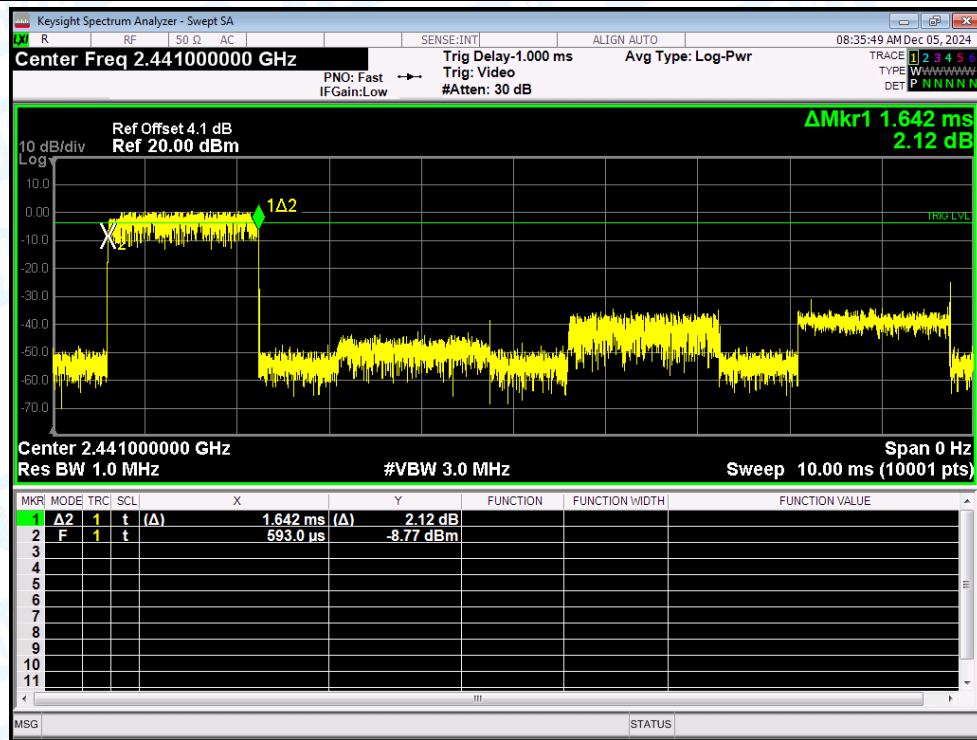
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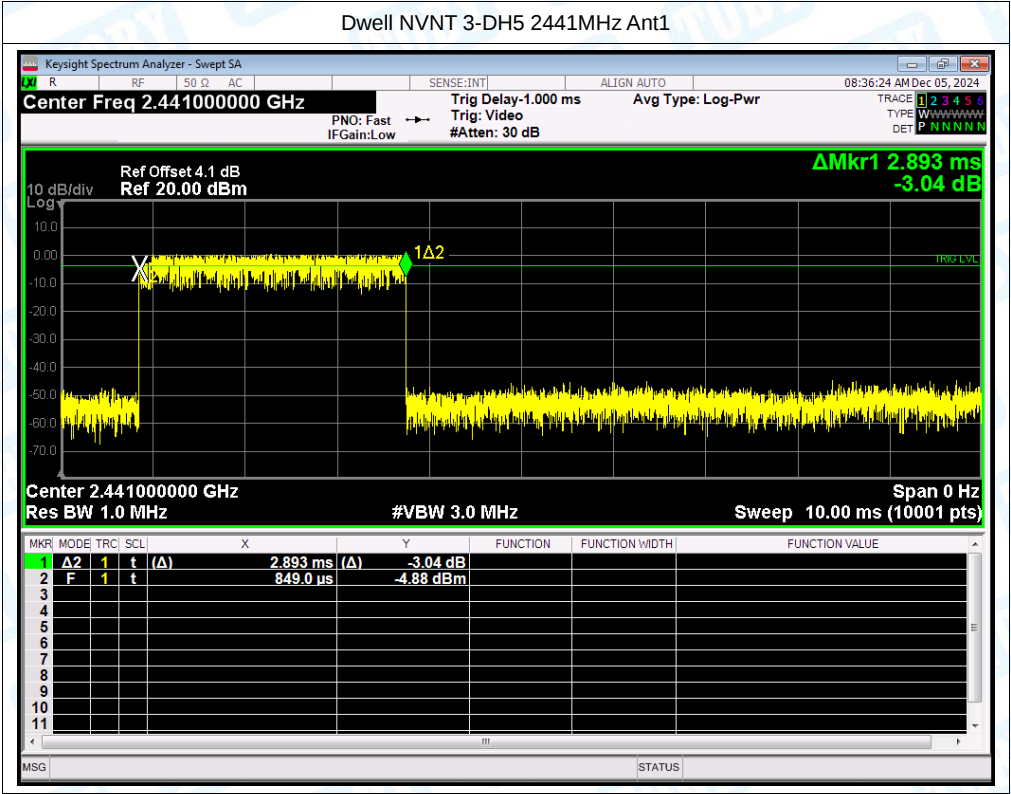


Dwell NVNT 3-DH1 2441MHz Ant1



Dwell NVNT 3-DH3 2441MHz Ant1





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