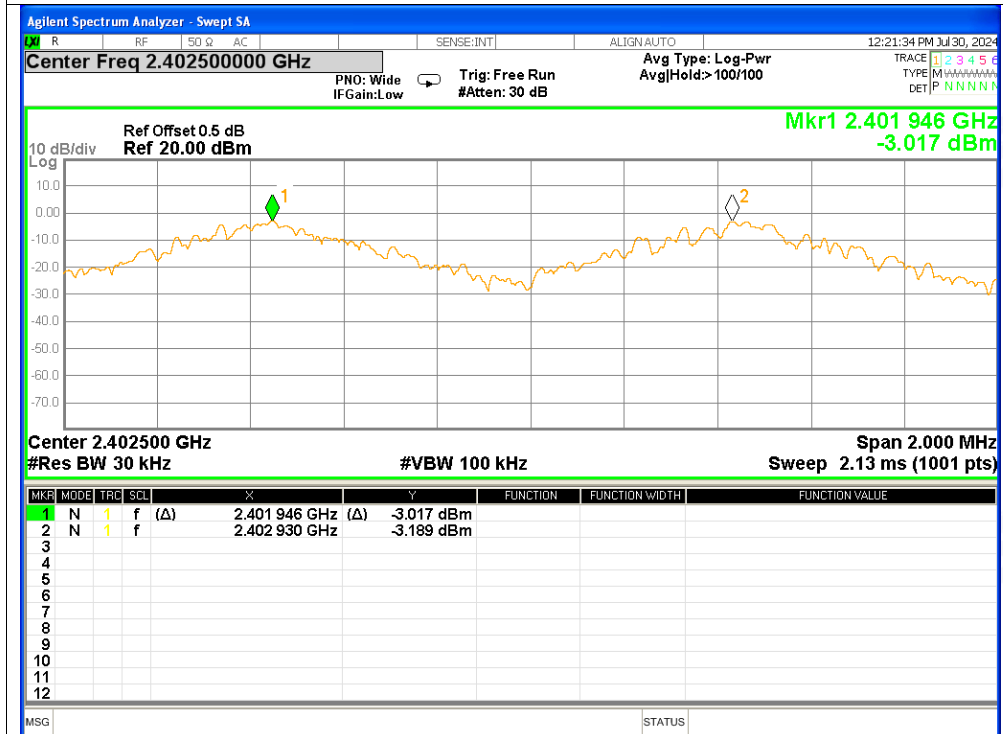
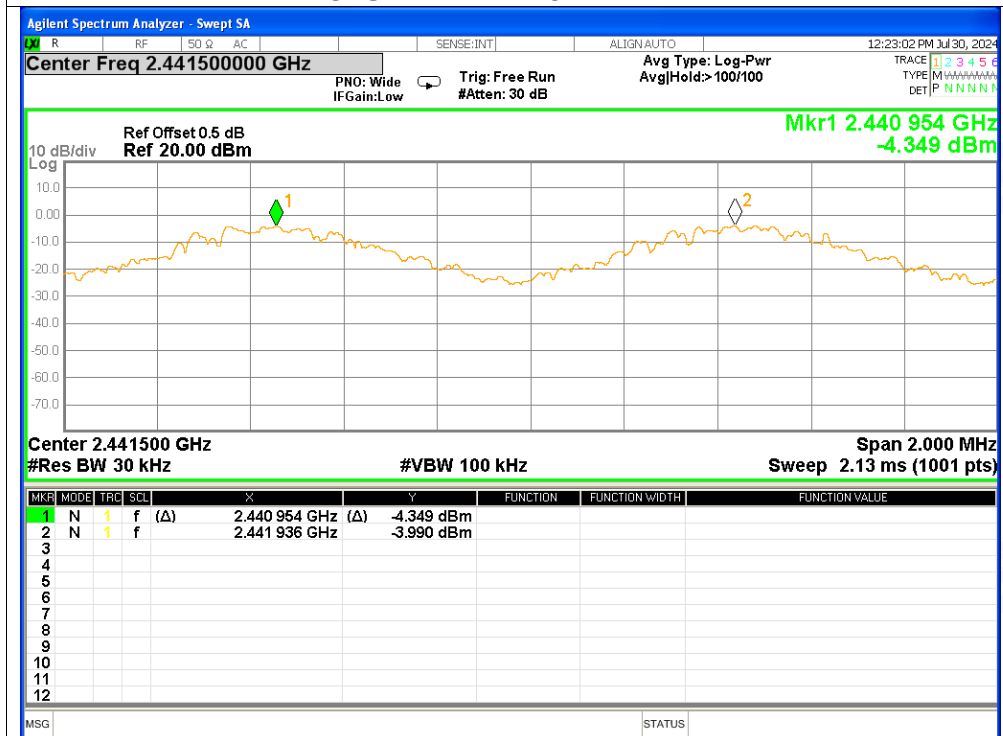
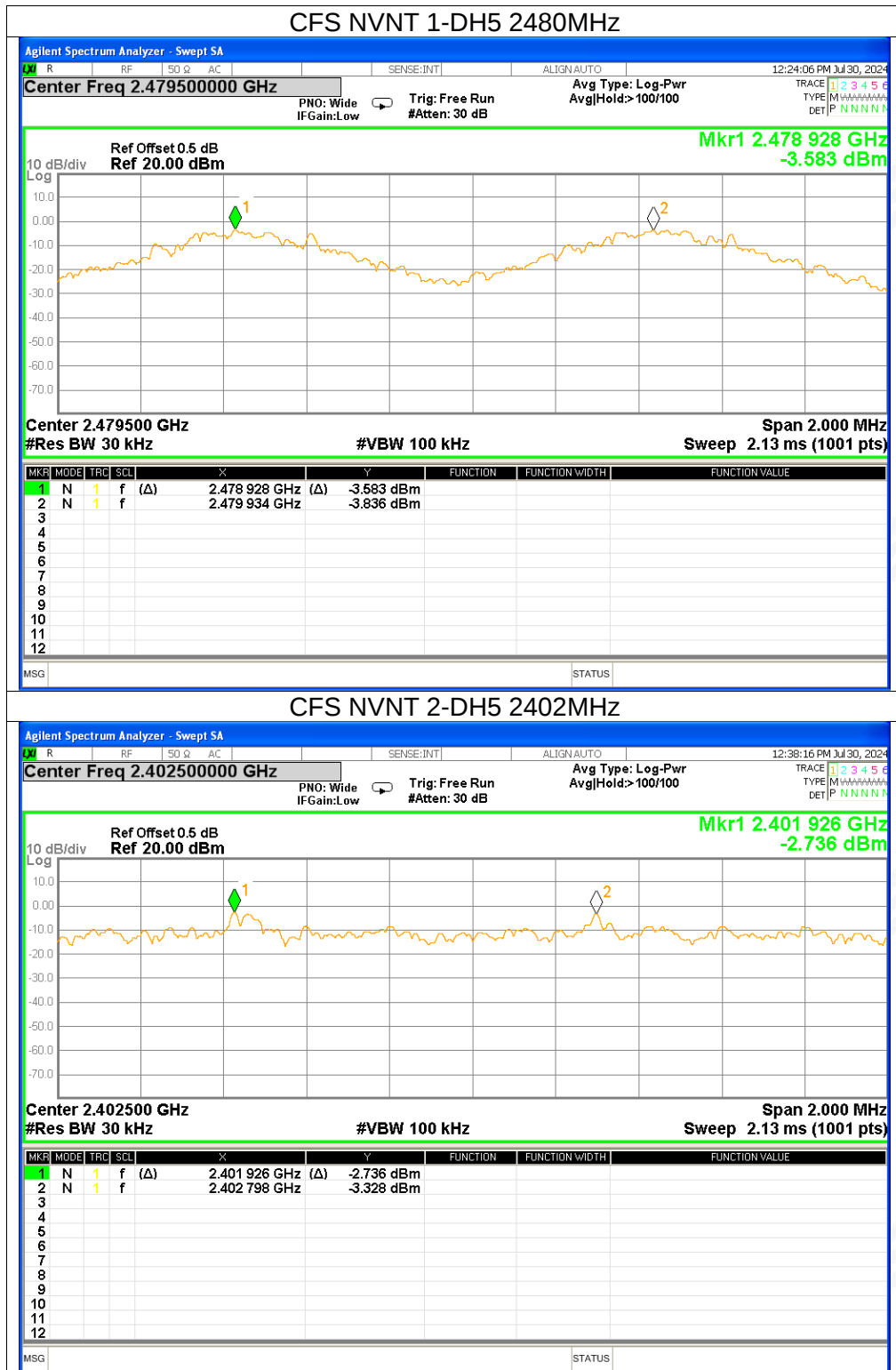


## Test Graphs

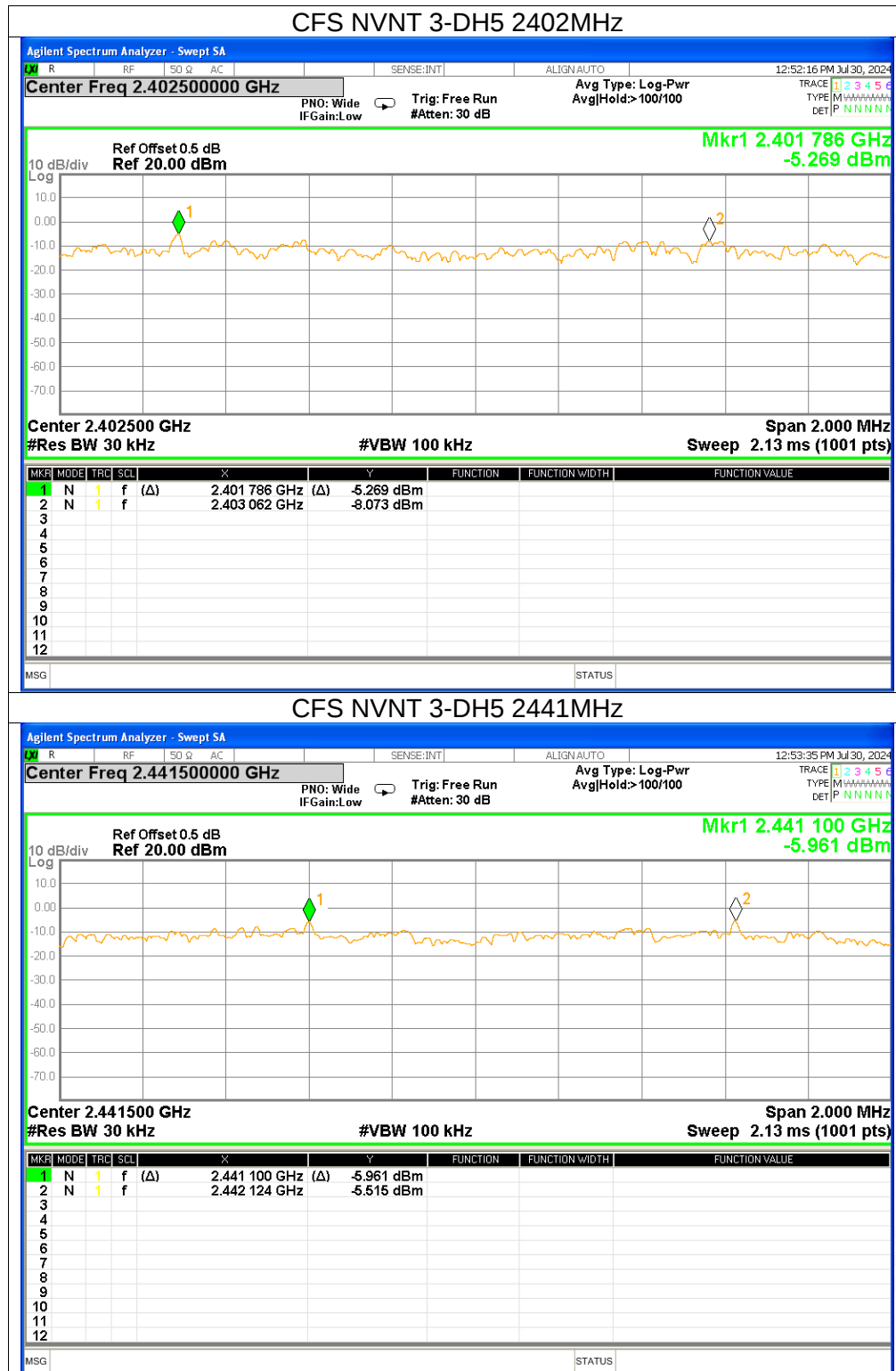


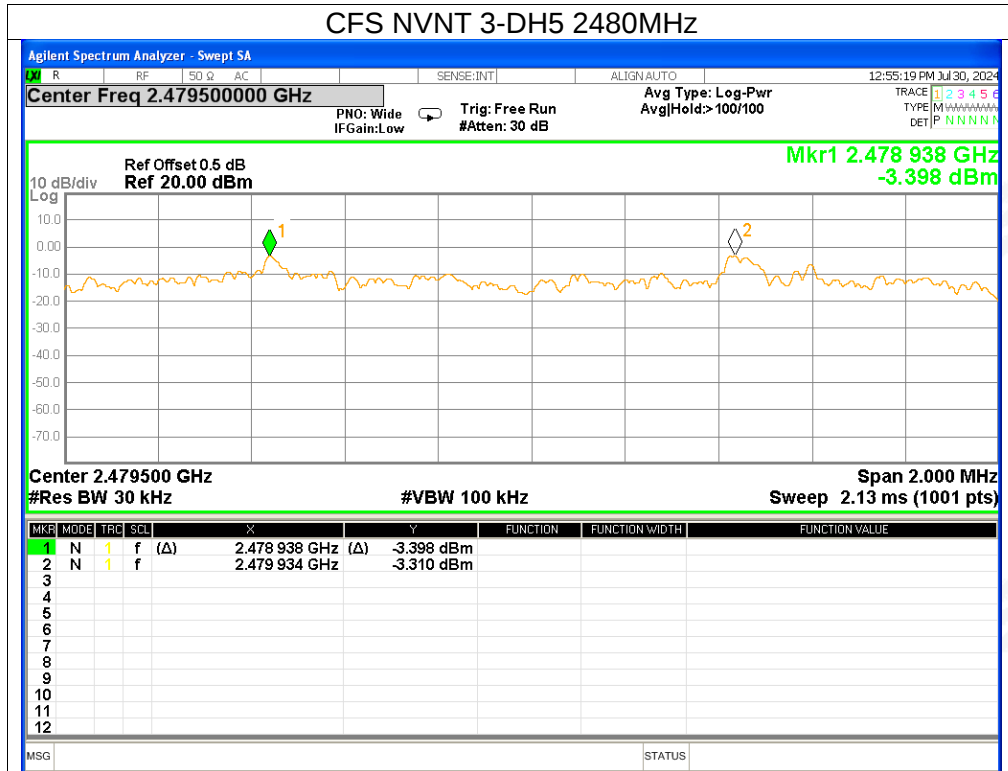
CFS NVNT 1-DH5 2441MHz









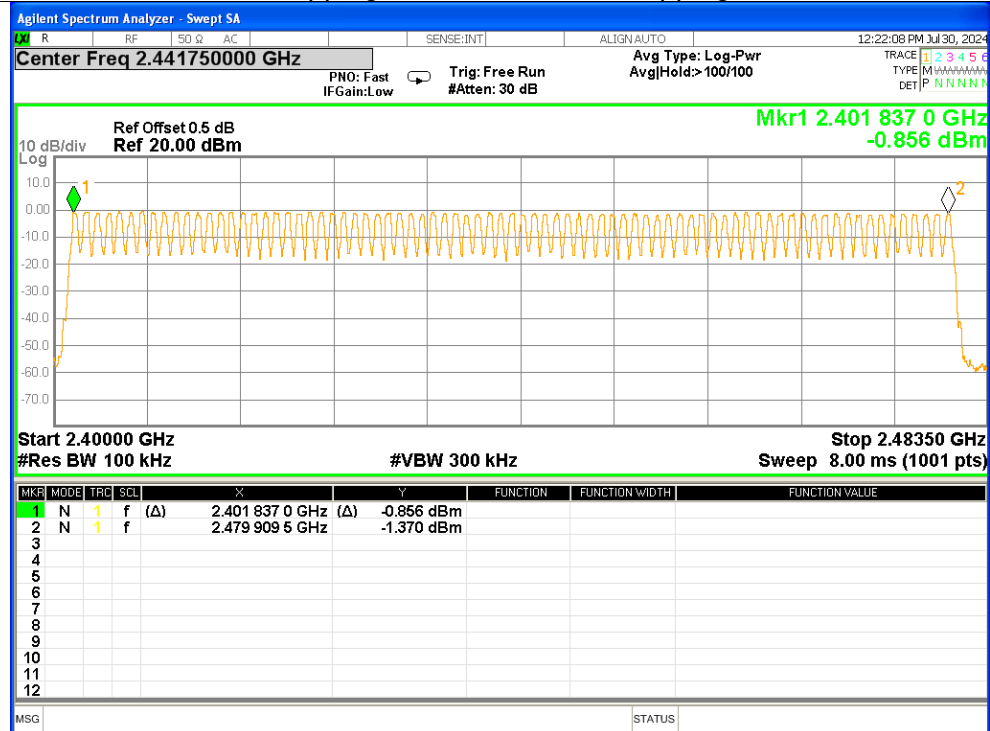




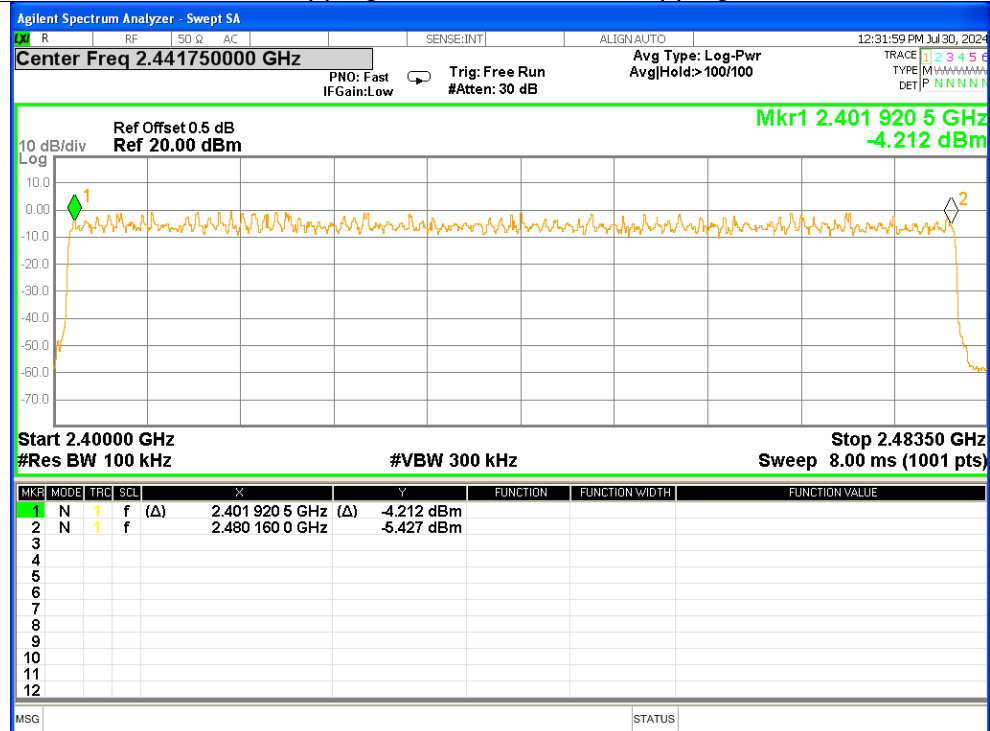
## 5. Number of Hopping Channel

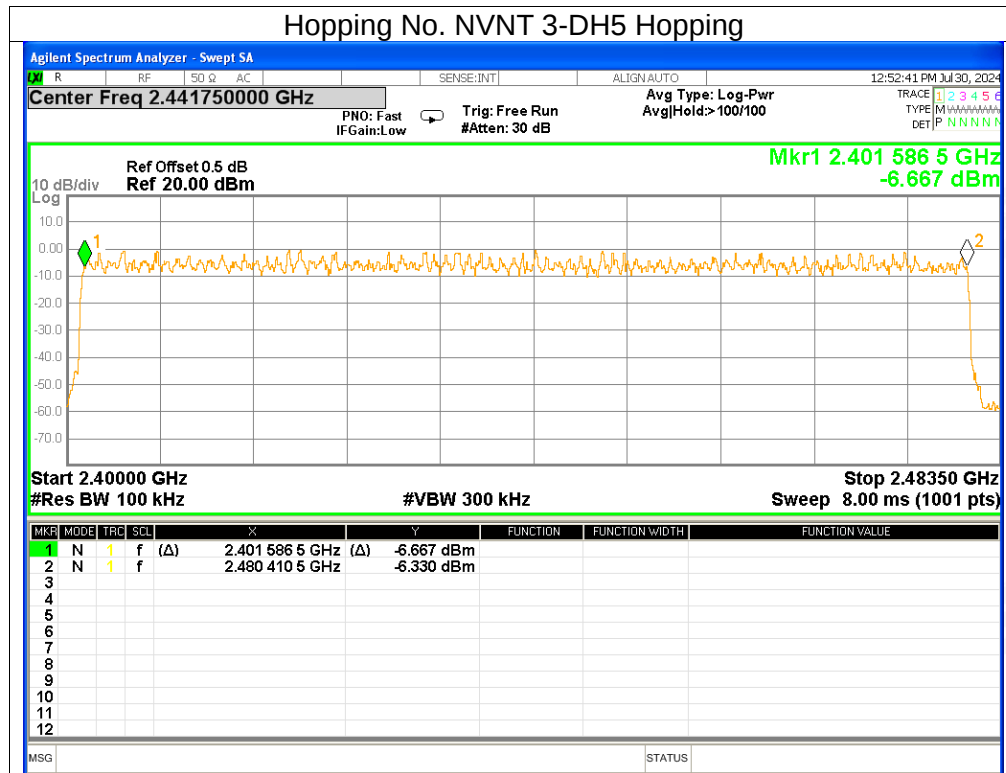
| Condition | Mode  | Hopping Number | Limit     | Verdict |
|-----------|-------|----------------|-----------|---------|
| NVNT      | 1-DH5 | 79             | $\geq 15$ | Pass    |
| NVNT      | 2-DH5 | 79             | $\geq 15$ | Pass    |
| NVNT      | 3-DH5 | 79             | $\geq 15$ | Pass    |

| Test Graphs                    |
|--------------------------------|
| Hopping No. NVNT 1-DH5 Hopping |



## Hopping No. NVNT 2-DH5 Hopping



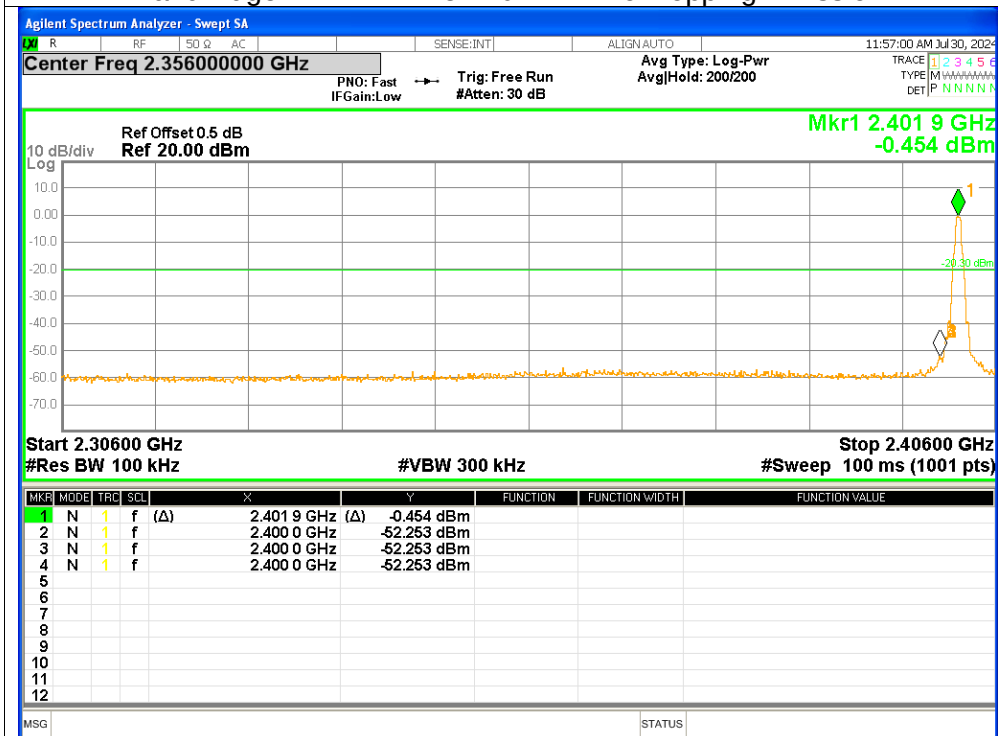
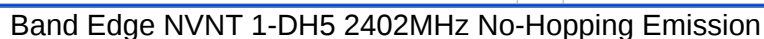


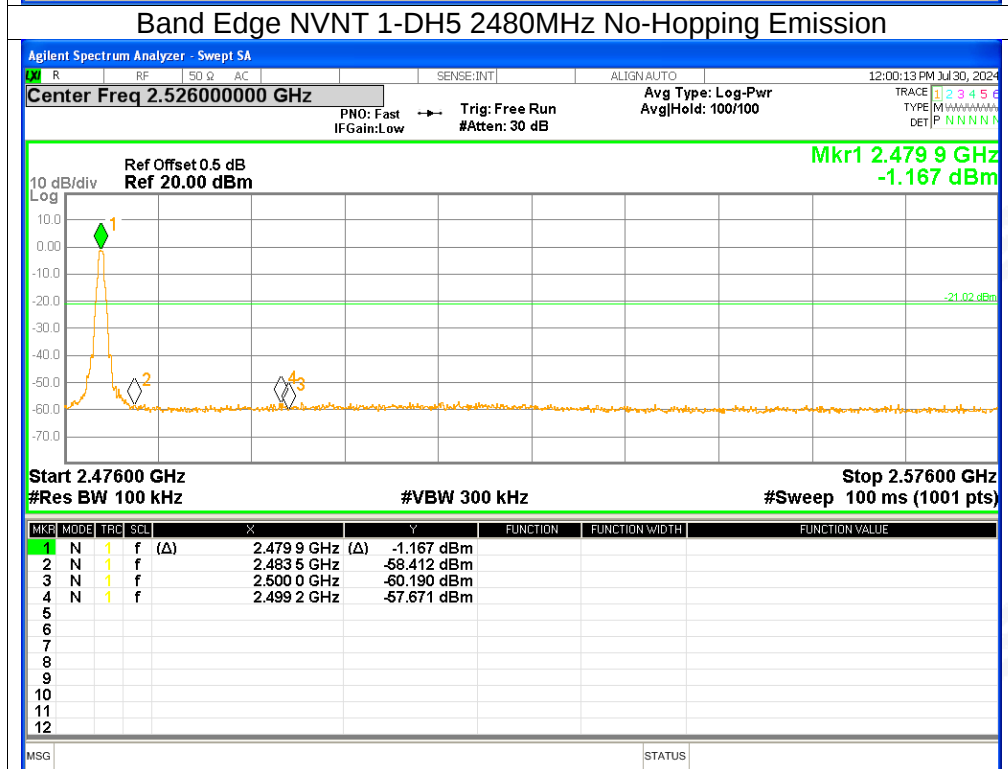
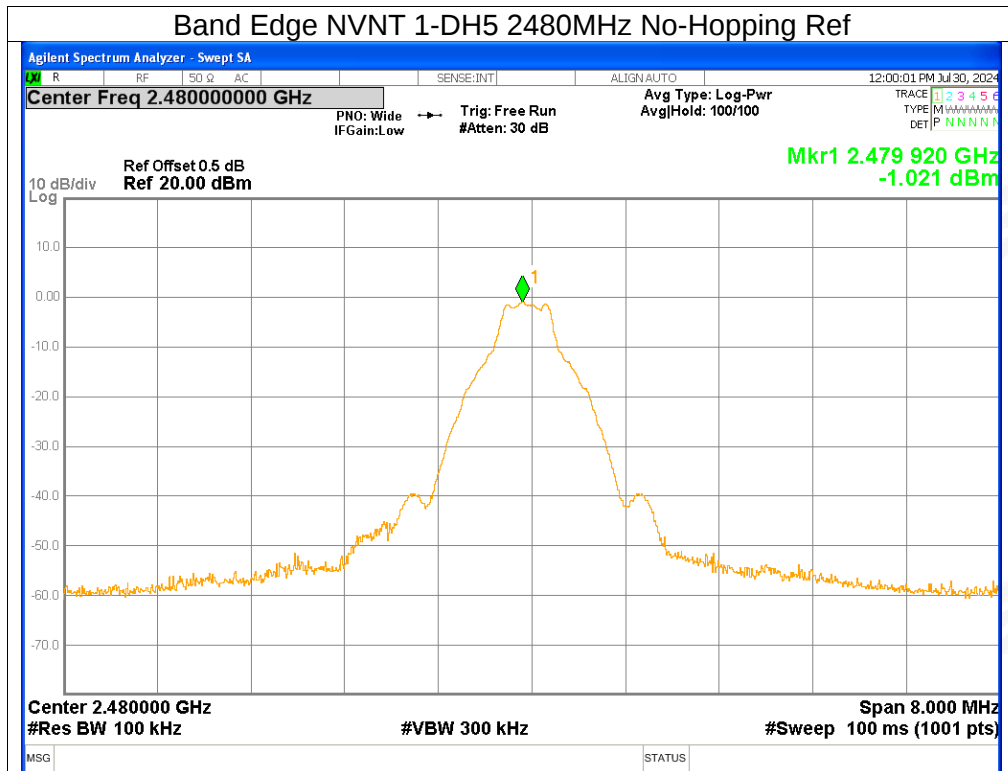


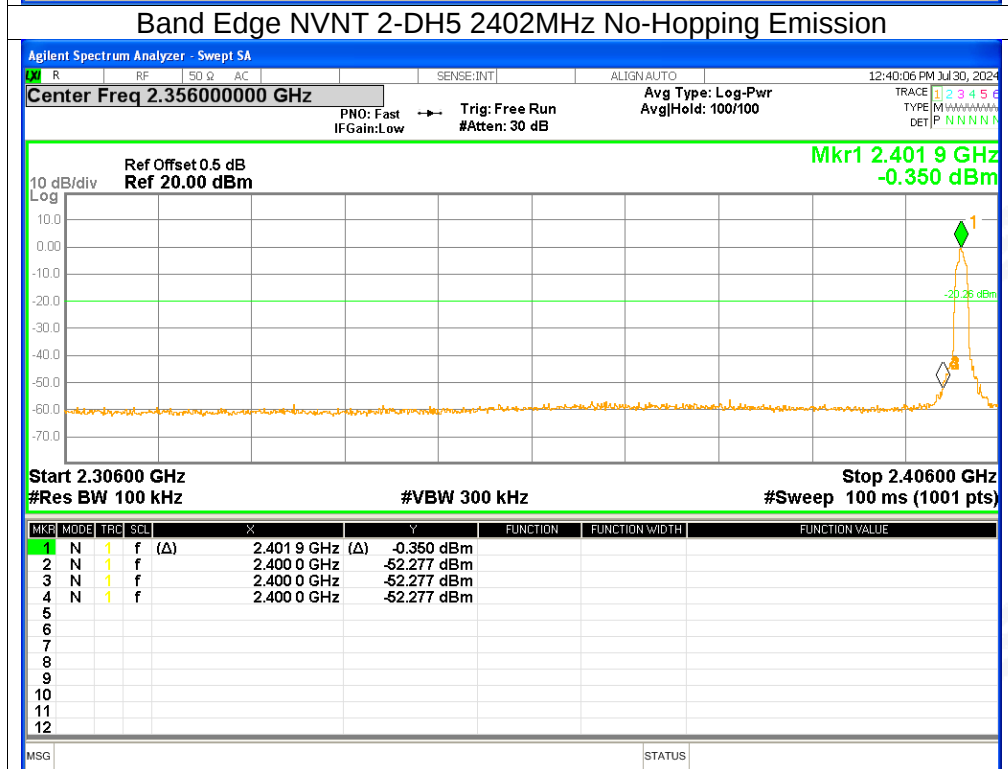
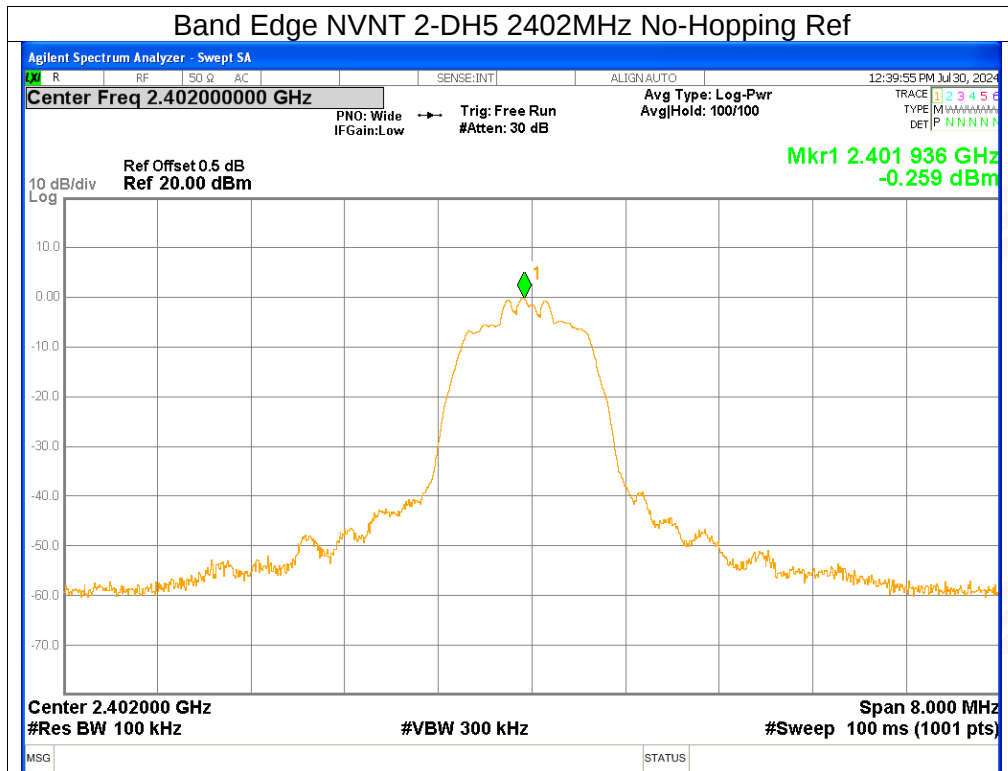
## 6. Band Edge

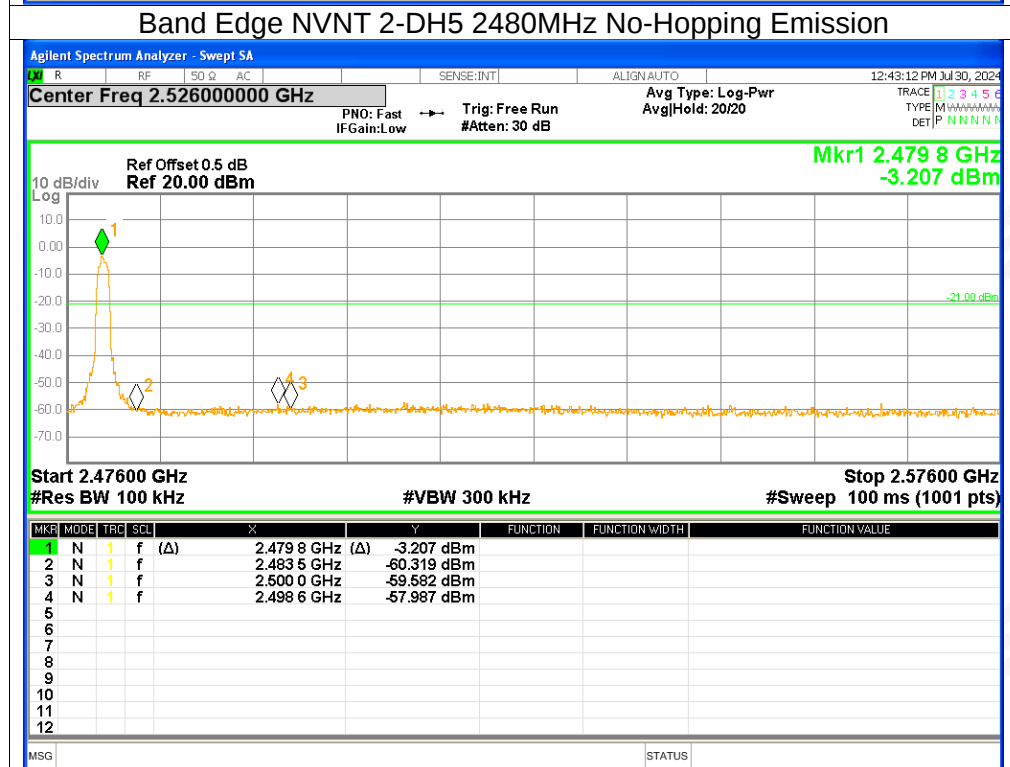
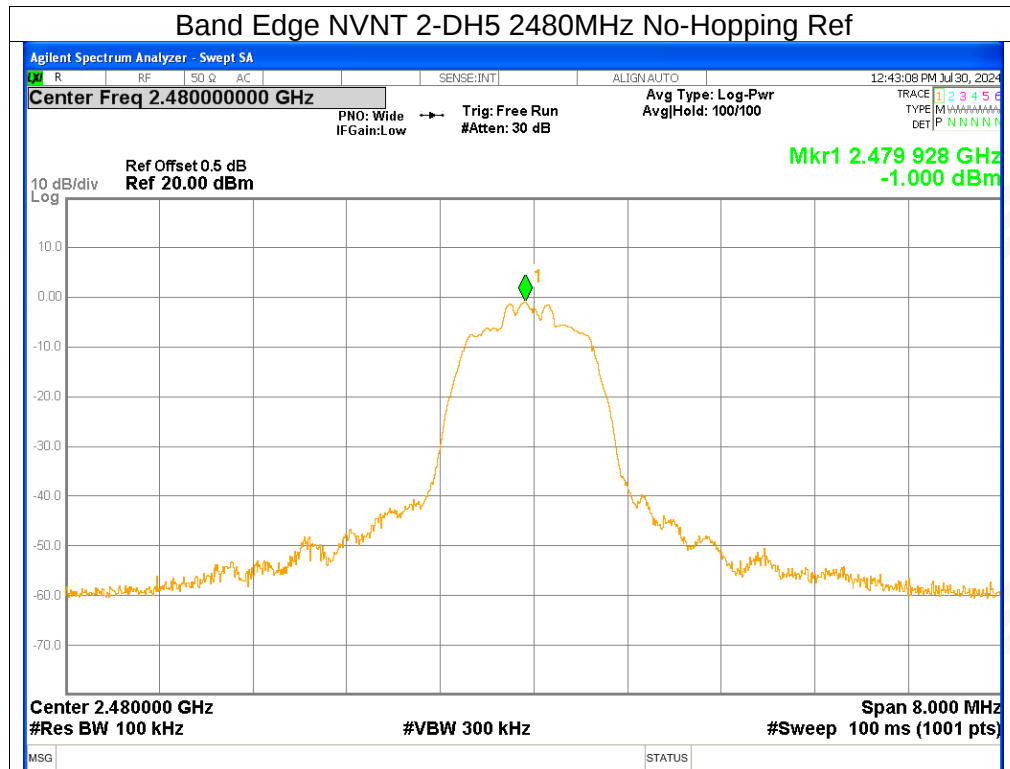
| Condition | Mode  | Frequency (MHz) | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | No-Hopping   | -51.95          | $\leq -20$  | Pass    |
| NVNT      | 1-DH5 | 2480            | No-Hopping   | -56.65          | $\leq -20$  | Pass    |
| NVNT      | 2-DH5 | 2402            | No-Hopping   | -52.01          | $\leq -20$  | Pass    |
| NVNT      | 2-DH5 | 2480            | No-Hopping   | -56.98          | $\leq -20$  | Pass    |
| NVNT      | 3-DH5 | 2402            | No-Hopping   | -51.56          | $\leq -20$  | Pass    |
| NVNT      | 3-DH5 | 2480            | No-Hopping   | -56.58          | $\leq -20$  | Pass    |

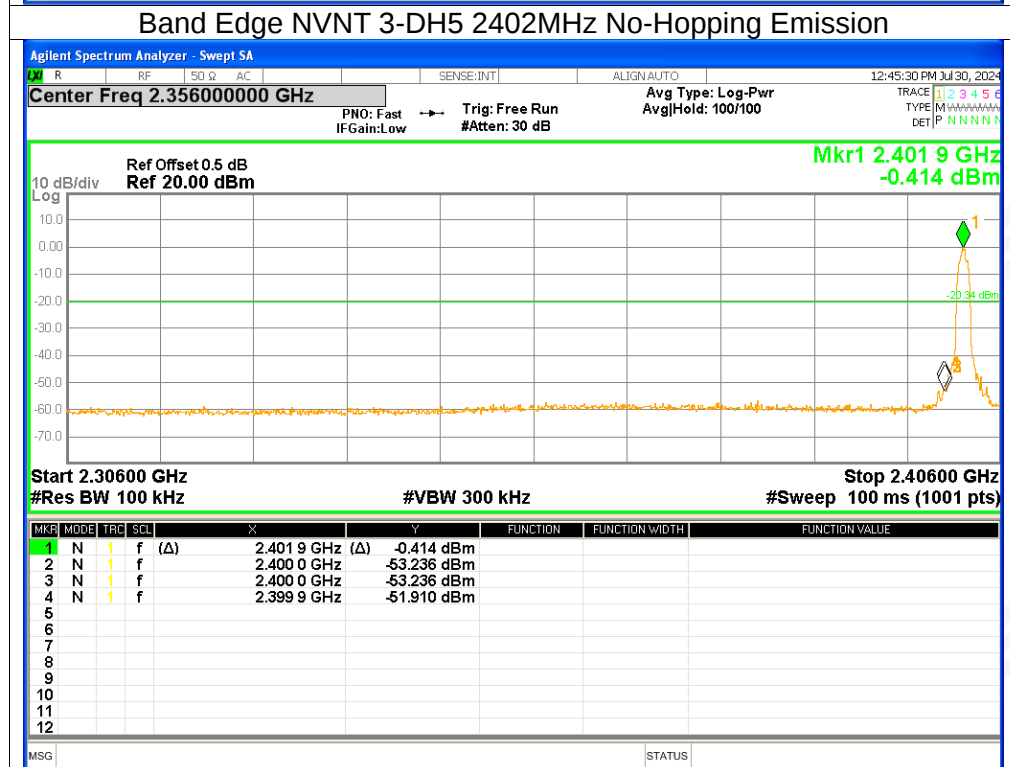
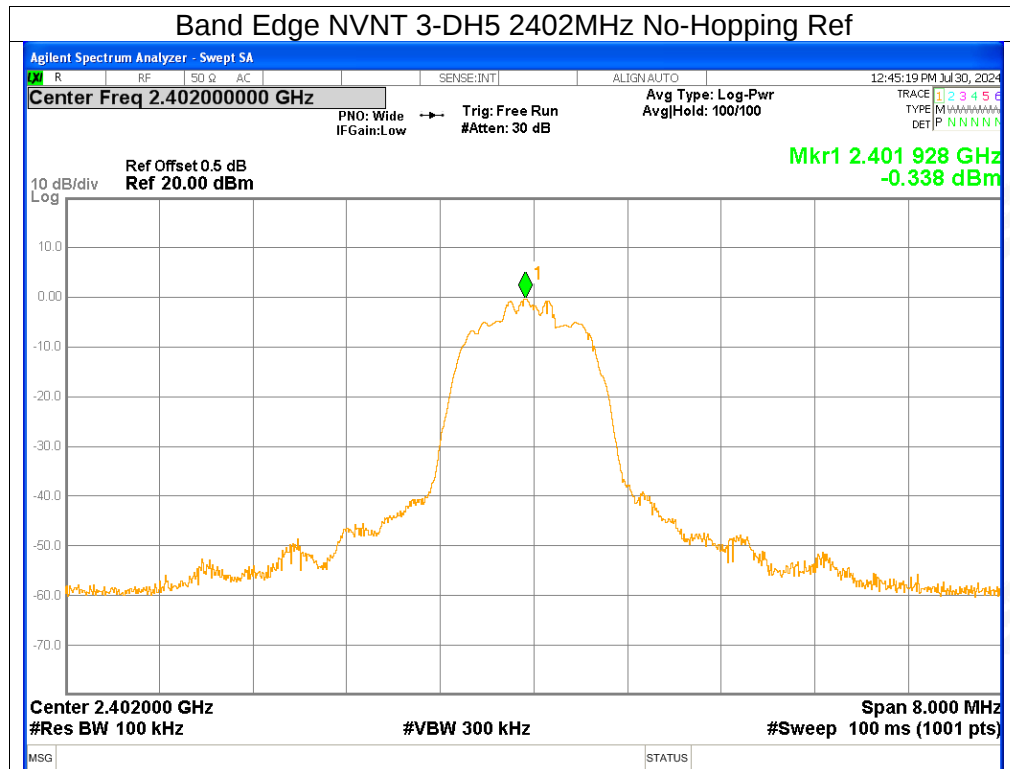
Band Edge NVNT 1-DH5 2402MHz No-Hopping Ref

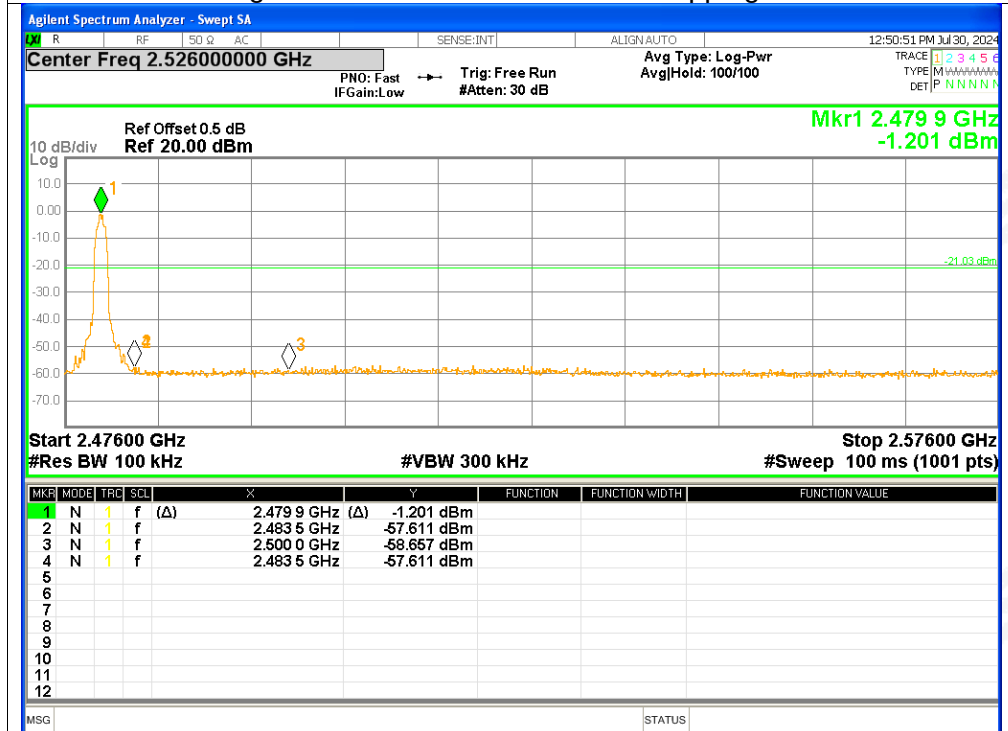
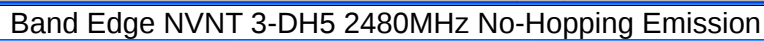












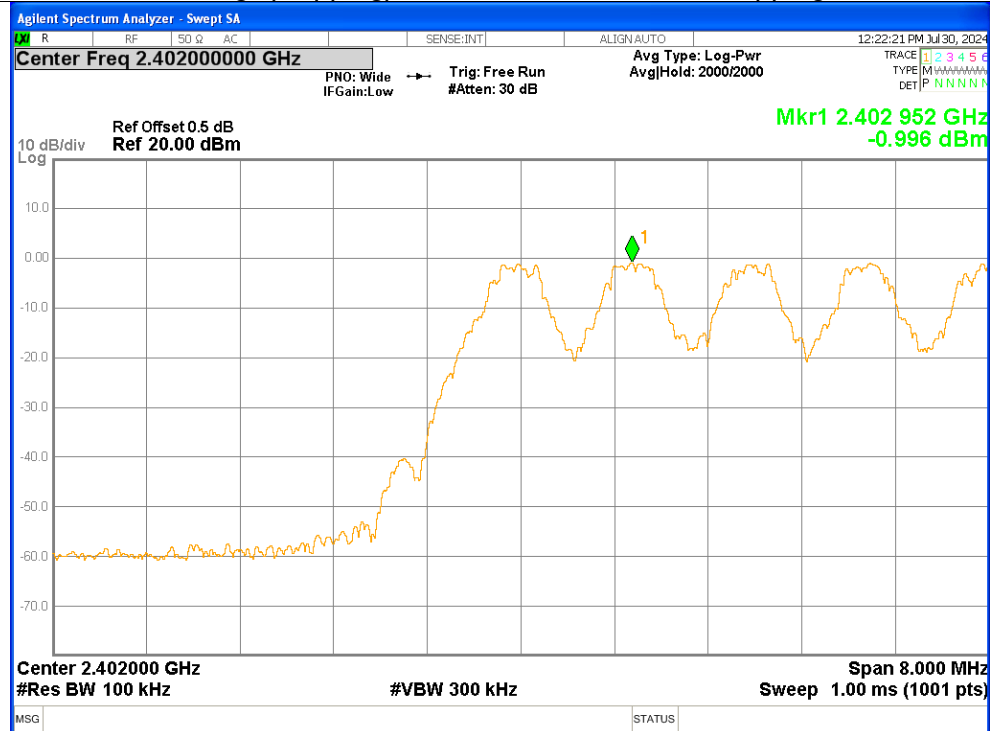


## 7. Band Edge(Hopping)

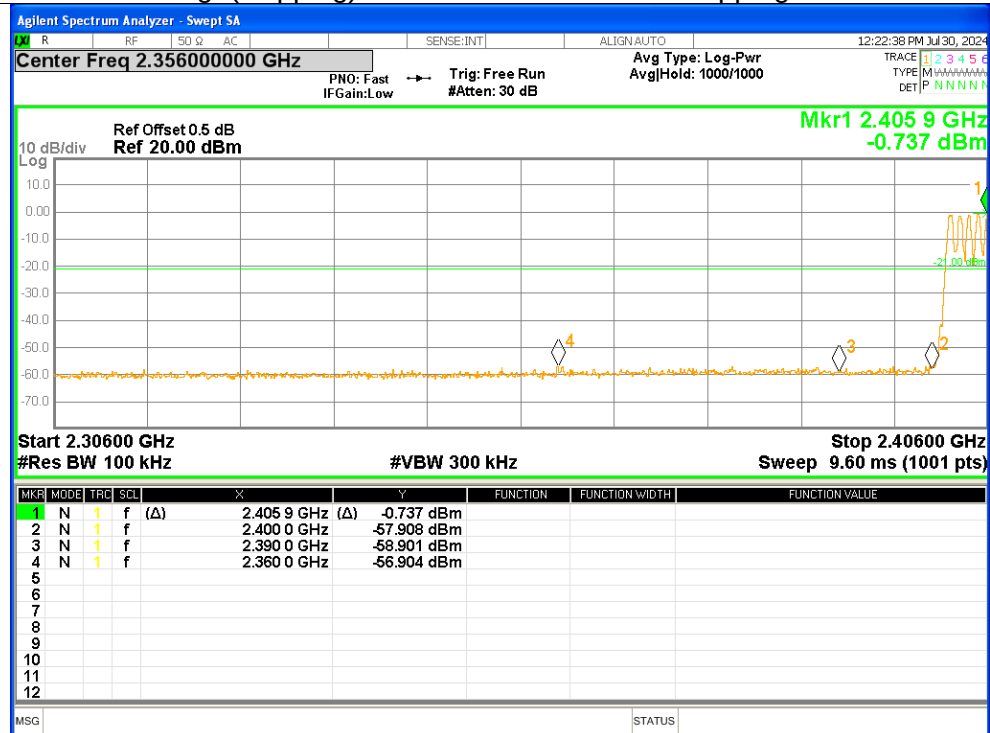
| Condition | Mode  | Frequency (MHz) | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Hopping      | -55.9           | $\leq -20$  | Pass    |
| NVNT      | 1-DH5 | 2480            | Hopping      | -56.06          | $\leq -20$  | Pass    |
| NVNT      | 2-DH5 | 2402            | Hopping      | -54.7           | $\leq -20$  | Pass    |
| NVNT      | 2-DH5 | 2480            | Hopping      | -55.57          | $\leq -20$  | Pass    |
| NVNT      | 3-DH5 | 2402            | Hopping      | -56.17          | $\leq -20$  | Pass    |
| NVNT      | 3-DH5 | 2480            | Hopping      | -55.55          | $\leq -20$  | Pass    |

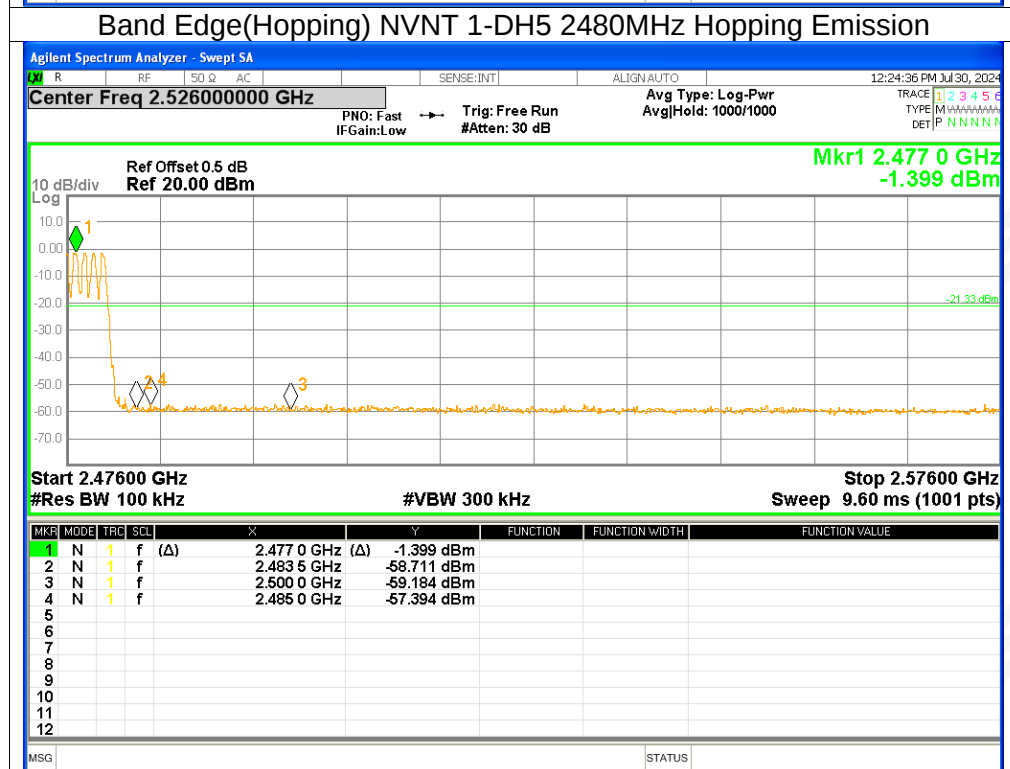
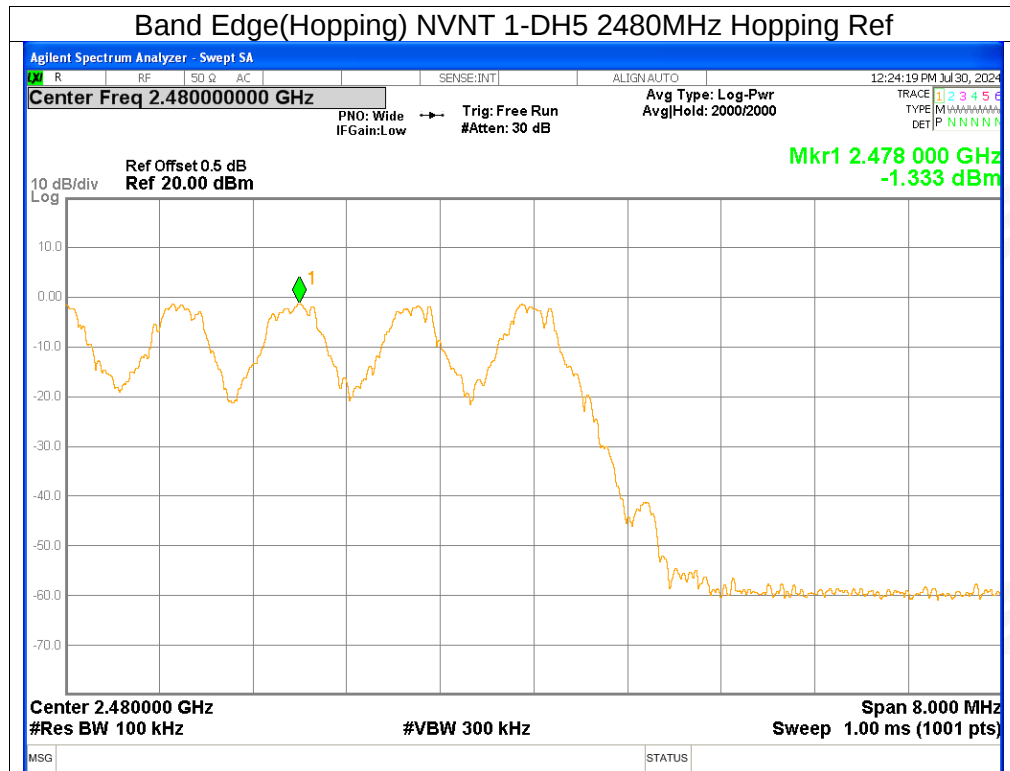
## Test Graphs

| Band Edge(Hopping) NVNT 1-DH5 2402MHz Hopping Ref |
|---------------------------------------------------|
| 1                                                 |
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| 99                                                |
| 100                                               |



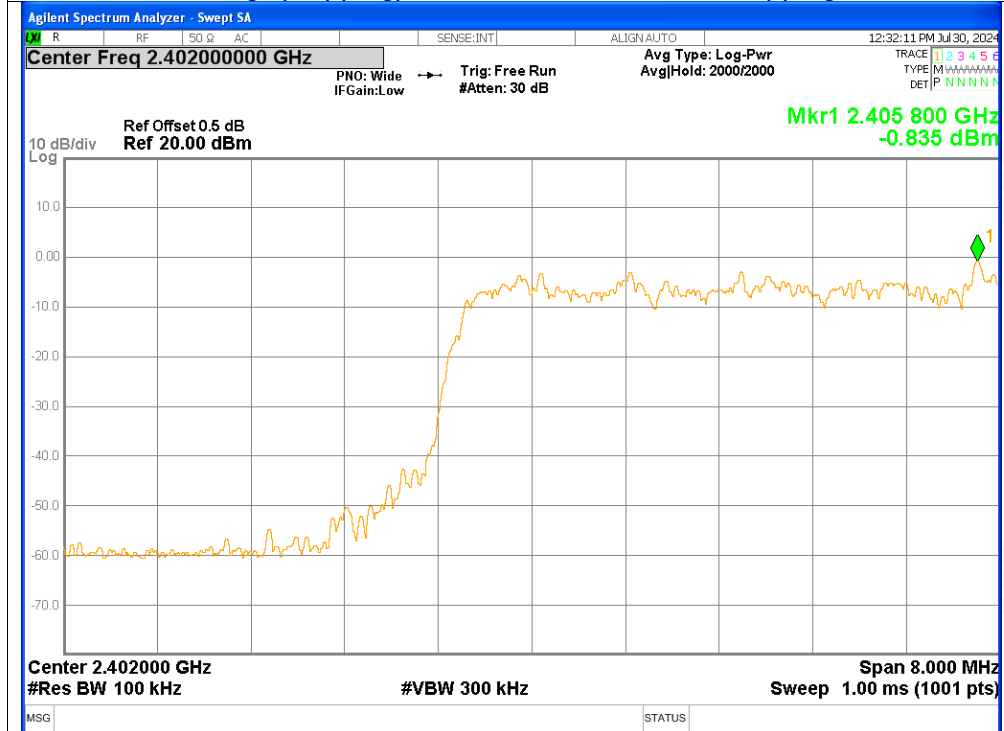
Band Edge(Hopping) NVNT 1-DH5 2402MHz Hopping Emission



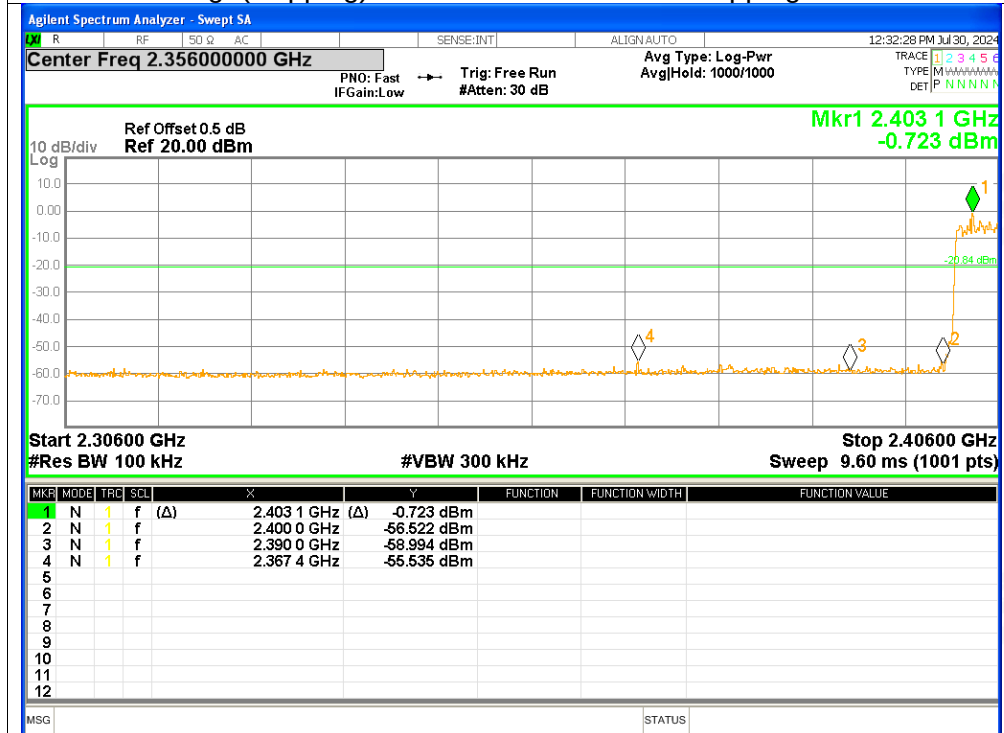


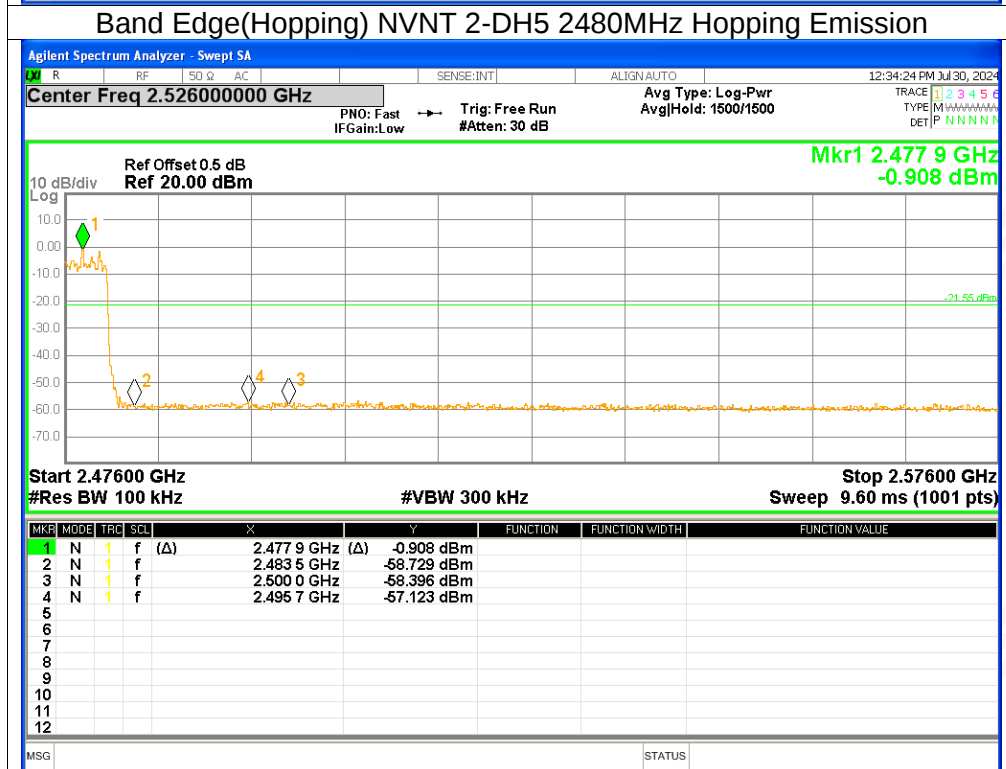
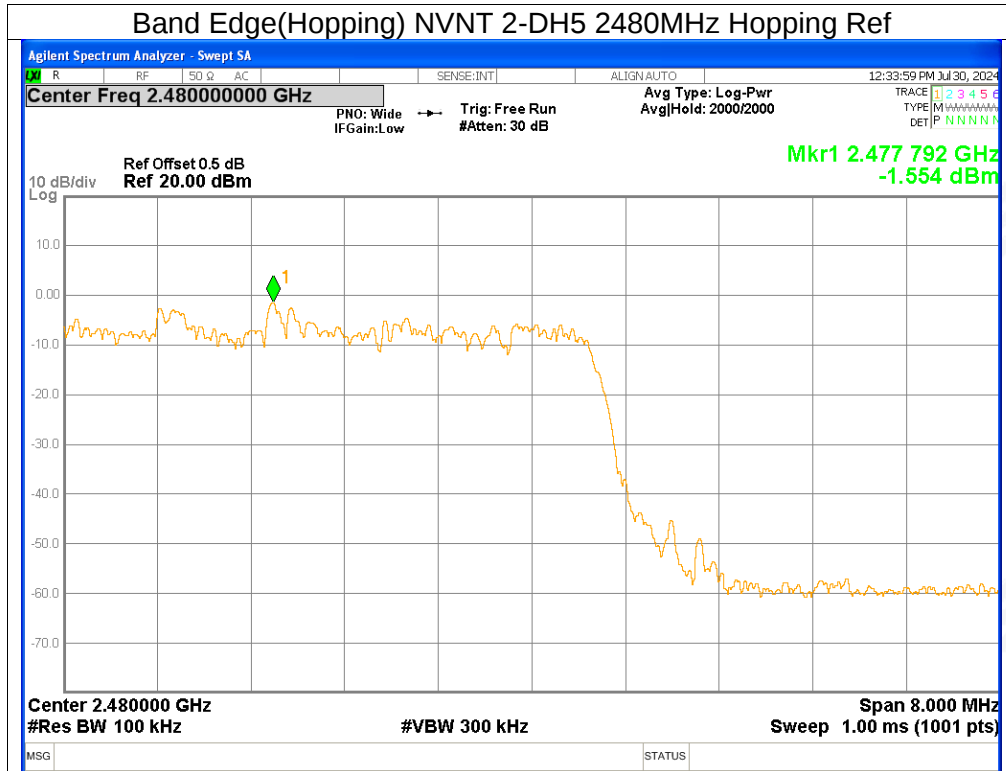


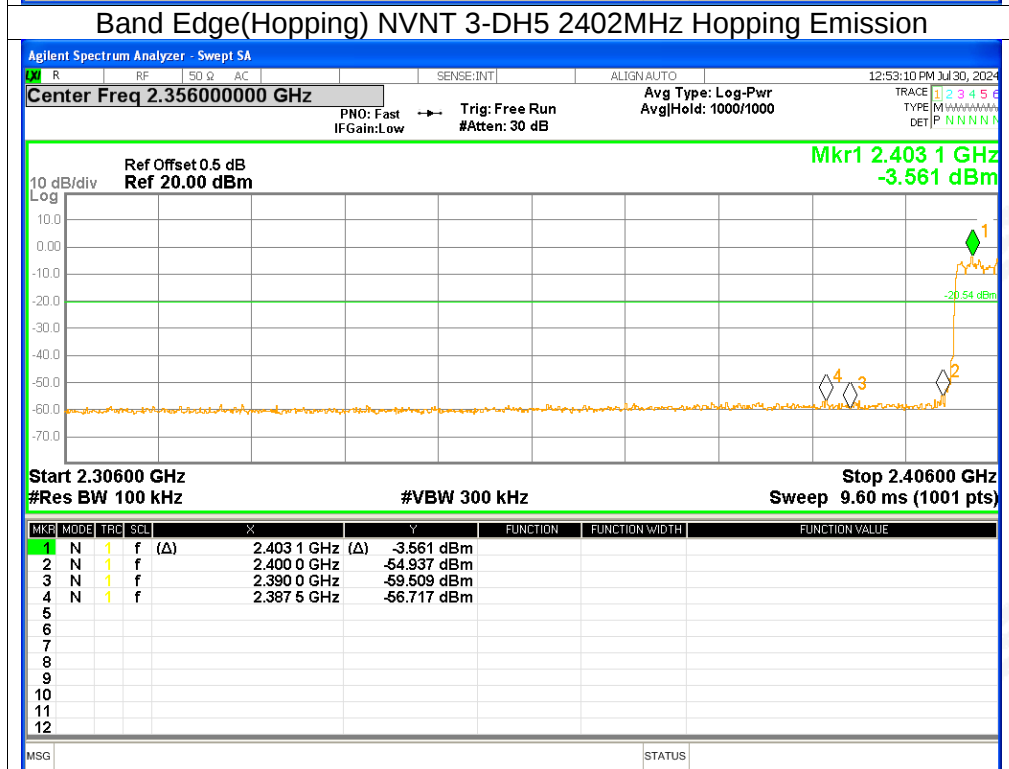
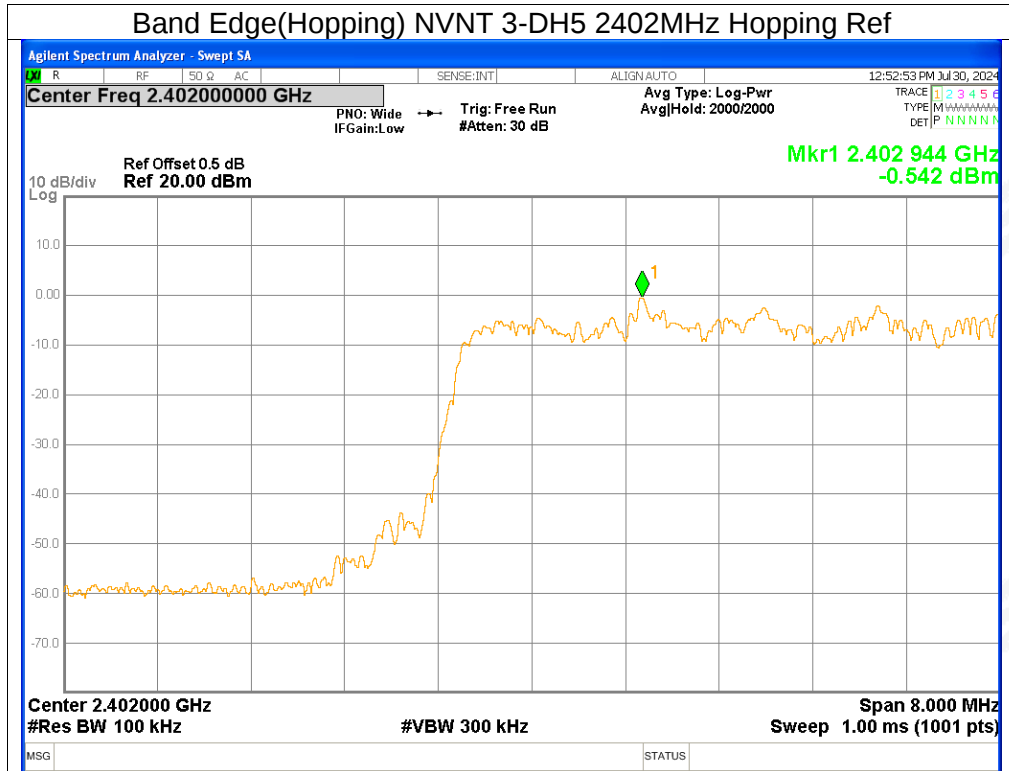
## Band Edge(Hopping) NVNT 2-DH5 2402MHz Hopping Ref

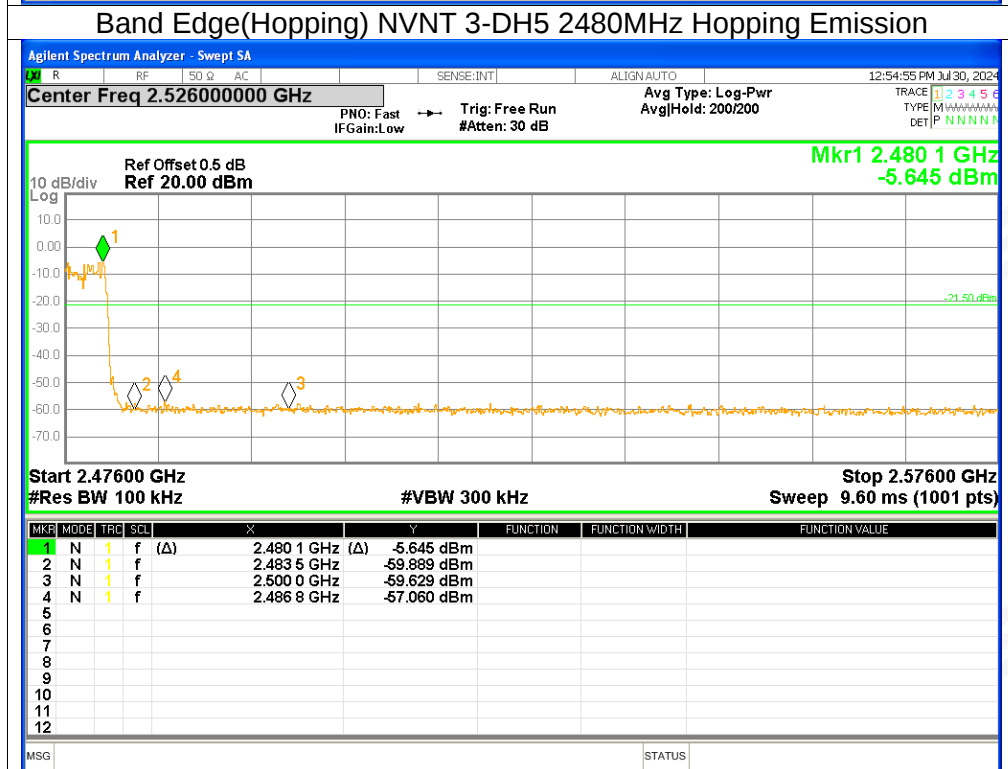
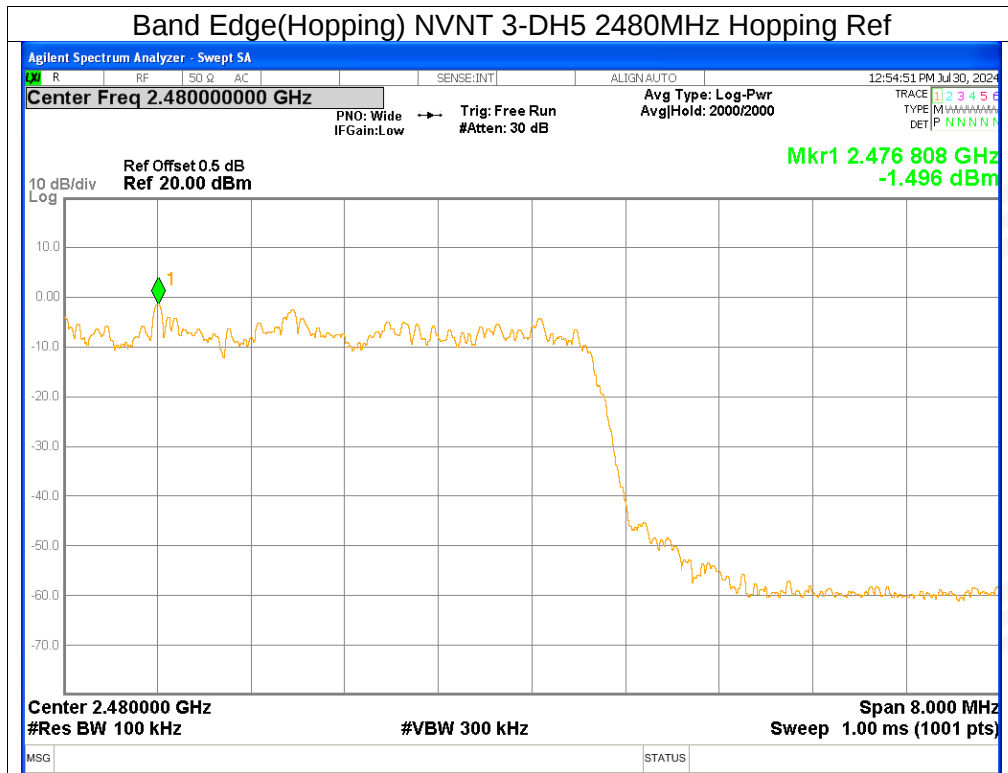


## Band Edge(Hopping) NVNT 2-DH5 2402MHz Hopping Emission











## 8. Conducted RF Spurious Emission

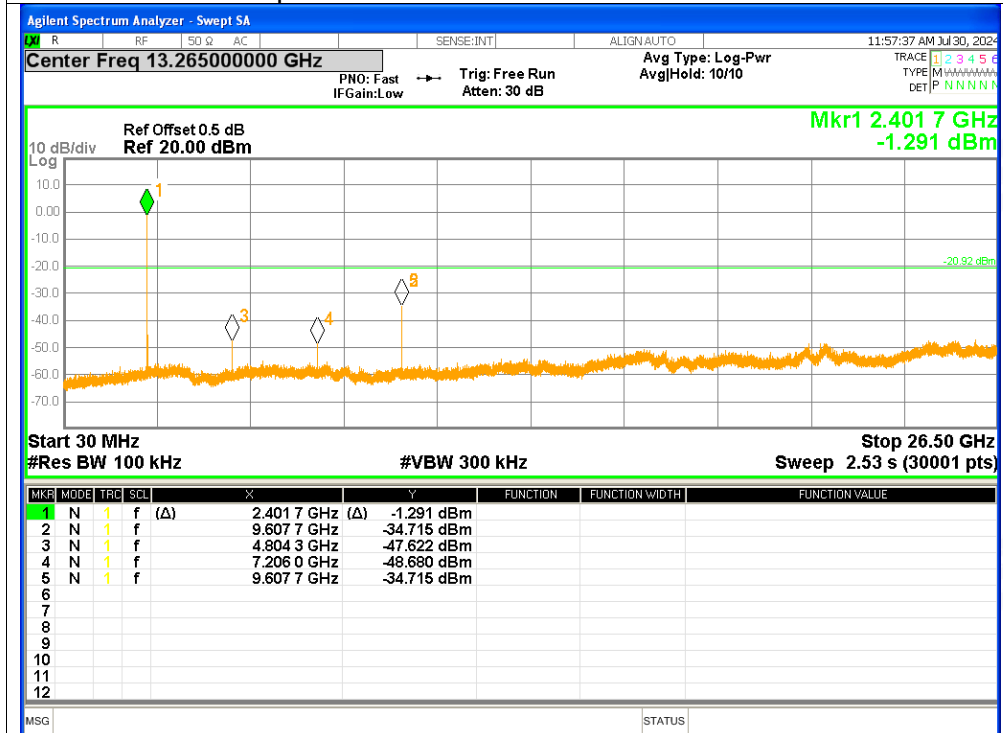
| Condition | Mode  | Frequency (MHz) | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | -33.79          | $\leq -20$  | Pass    |
| NVNT      | 1-DH5 | 2441            | -36.22          | $\leq -20$  | Pass    |
| NVNT      | 1-DH5 | 2480            | -39.3           | $\leq -20$  | Pass    |
| NVNT      | 2-DH5 | 2402            | -30.06          | $\leq -20$  | Pass    |
| NVNT      | 2-DH5 | 2441            | -32.56          | $\leq -20$  | Pass    |
| NVNT      | 2-DH5 | 2480            | -34.95          | $\leq -20$  | Pass    |
| NVNT      | 3-DH5 | 2402            | -34.21          | $\leq -20$  | Pass    |
| NVNT      | 3-DH5 | 2441            | -36.76          | $\leq -20$  | Pass    |
| NVNT      | 3-DH5 | 2480            | -39.02          | $\leq -20$  | Pass    |

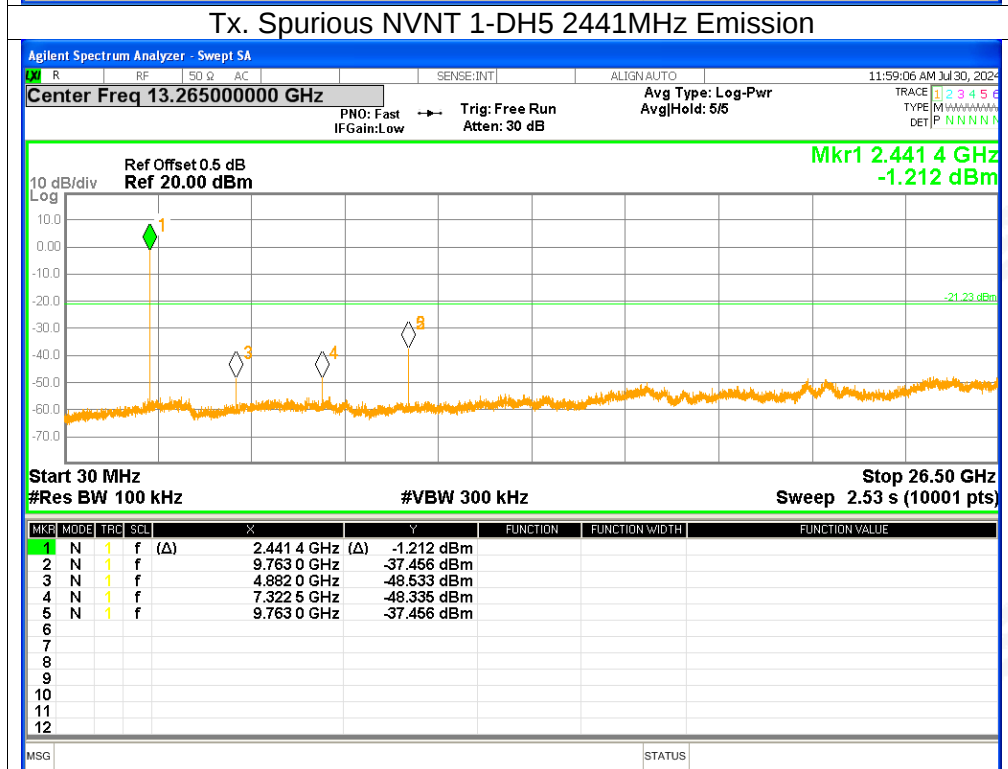
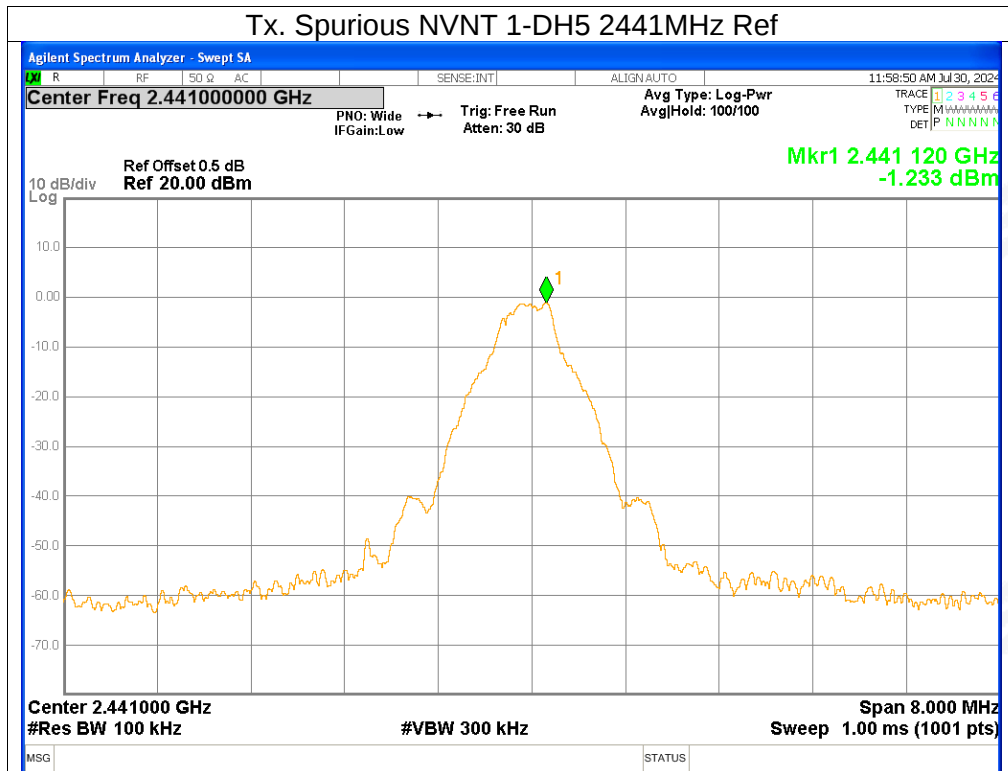
## Test Graphs

## Tx. Spurious NVNT 1-DH5 2402MHz Ref



## Tx. Spurious NVNT 1-DH5 2402MHz Emission

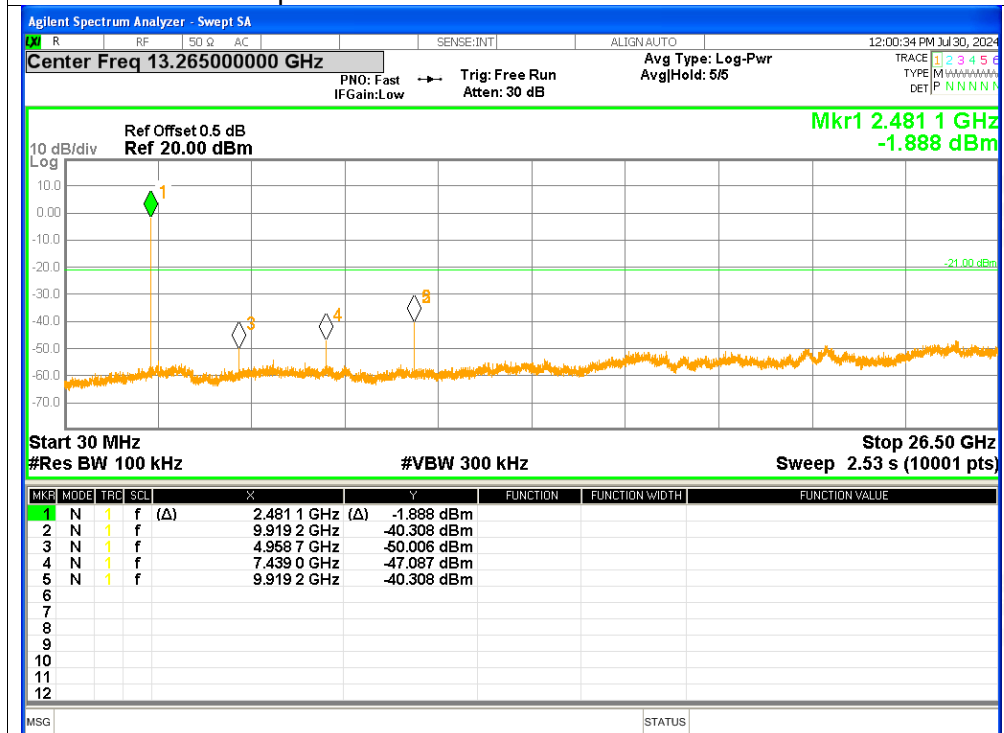




## Tx. Spurious NVNT 1-DH5 2480MHz Ref



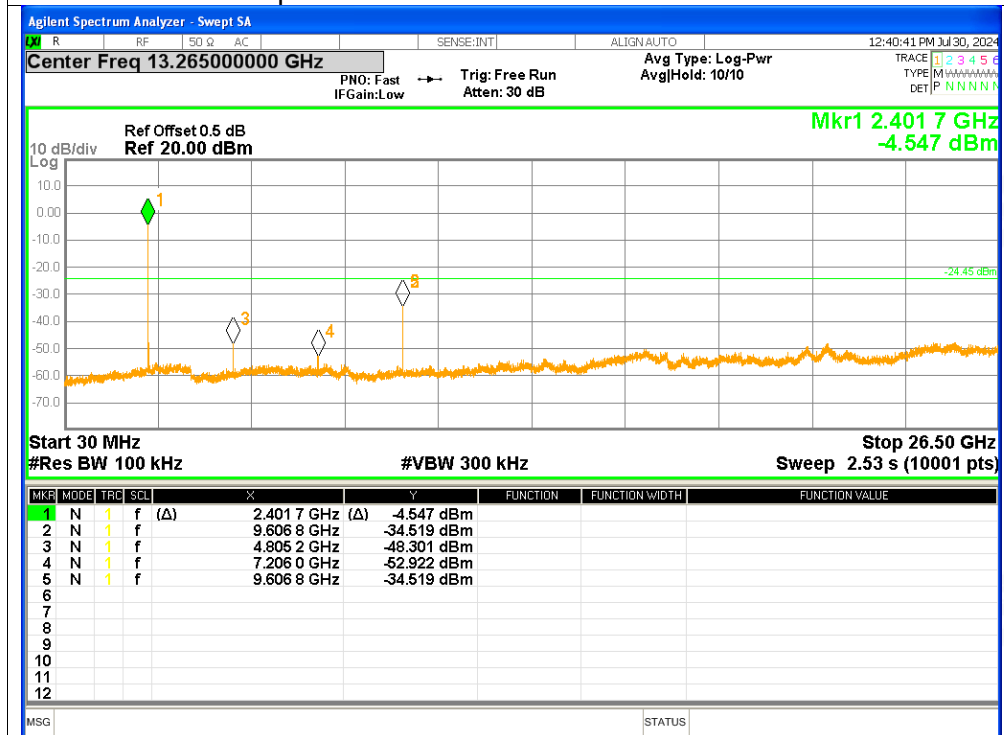
## Tx. Spurious NVNT 1-DH5 2480MHz Emission

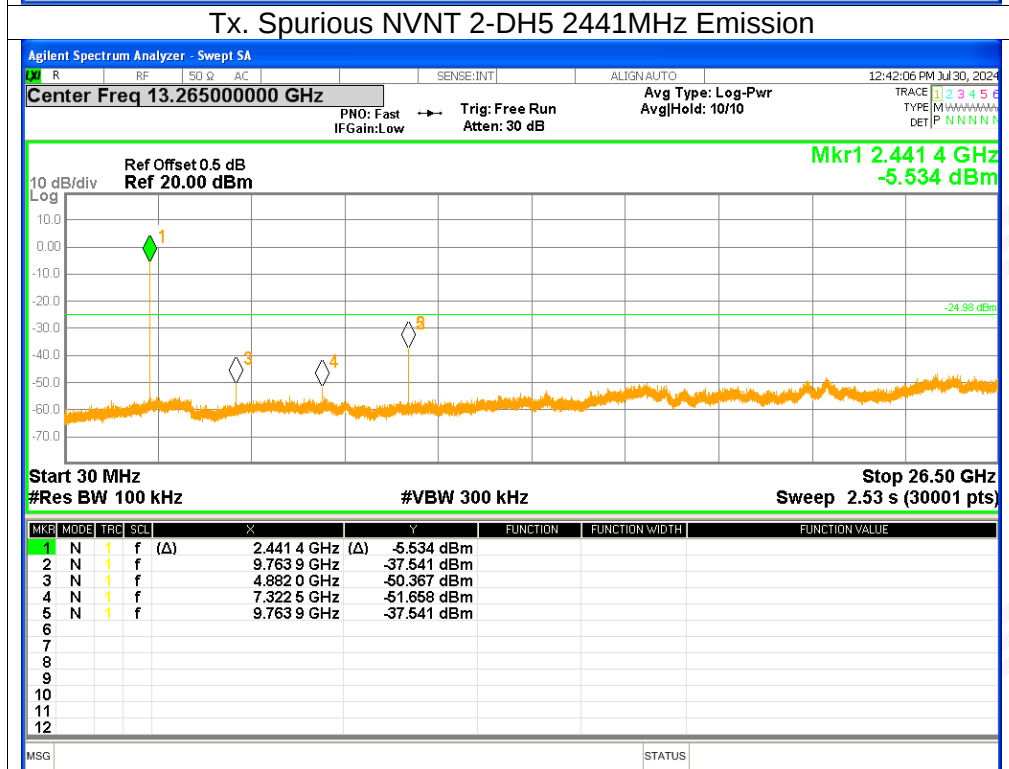
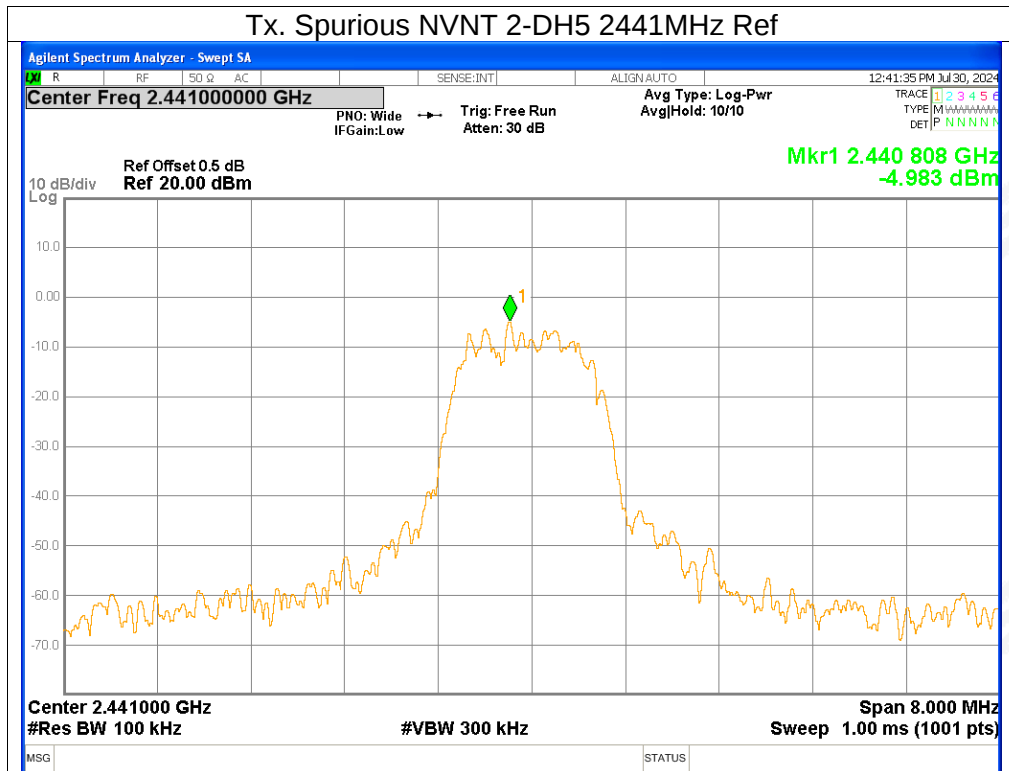


## Tx. Spurious NVNT 2-DH5 2402MHz Ref

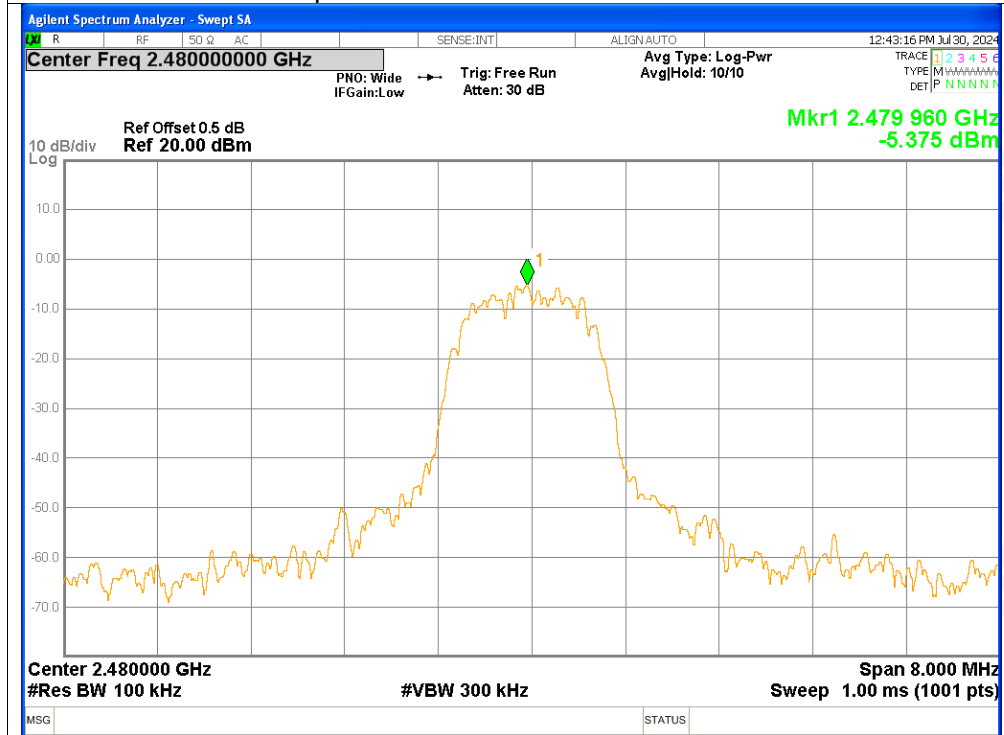


## Tx. Spurious NVNT 2-DH5 2402MHz Emission

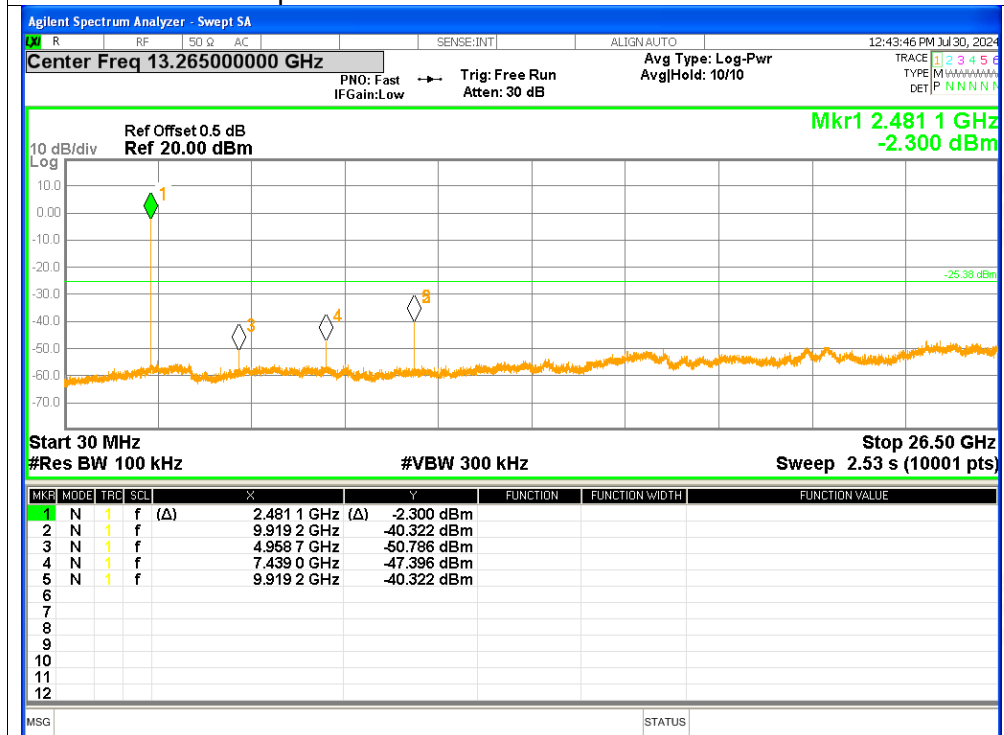




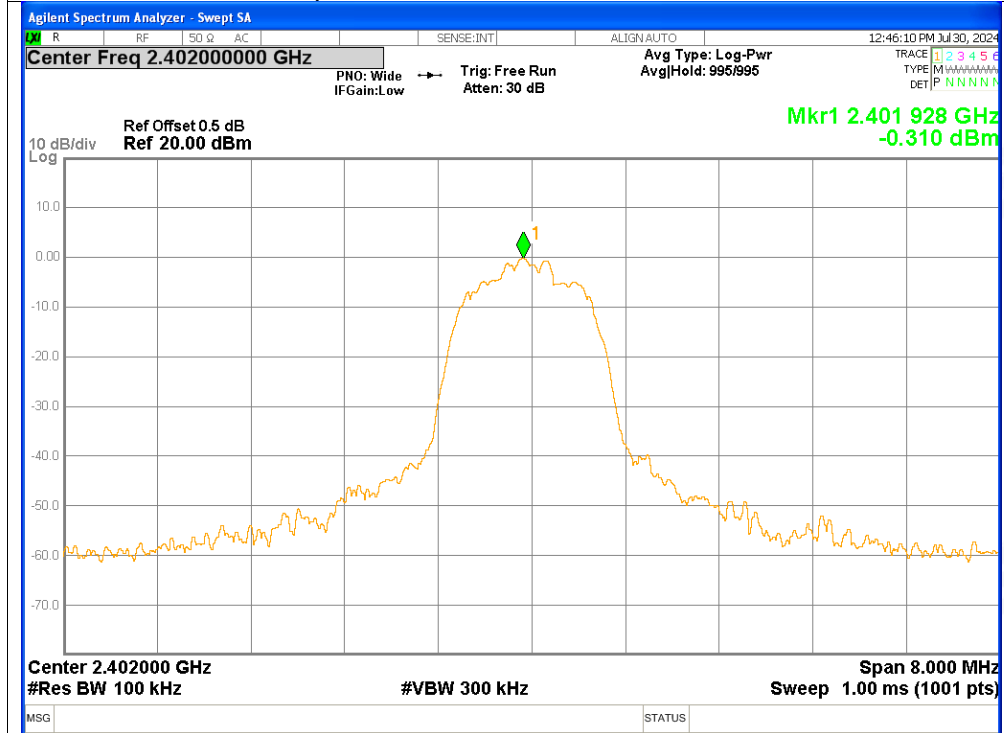
## Tx. Spurious NVNT 2-DH5 2480MHz Ref



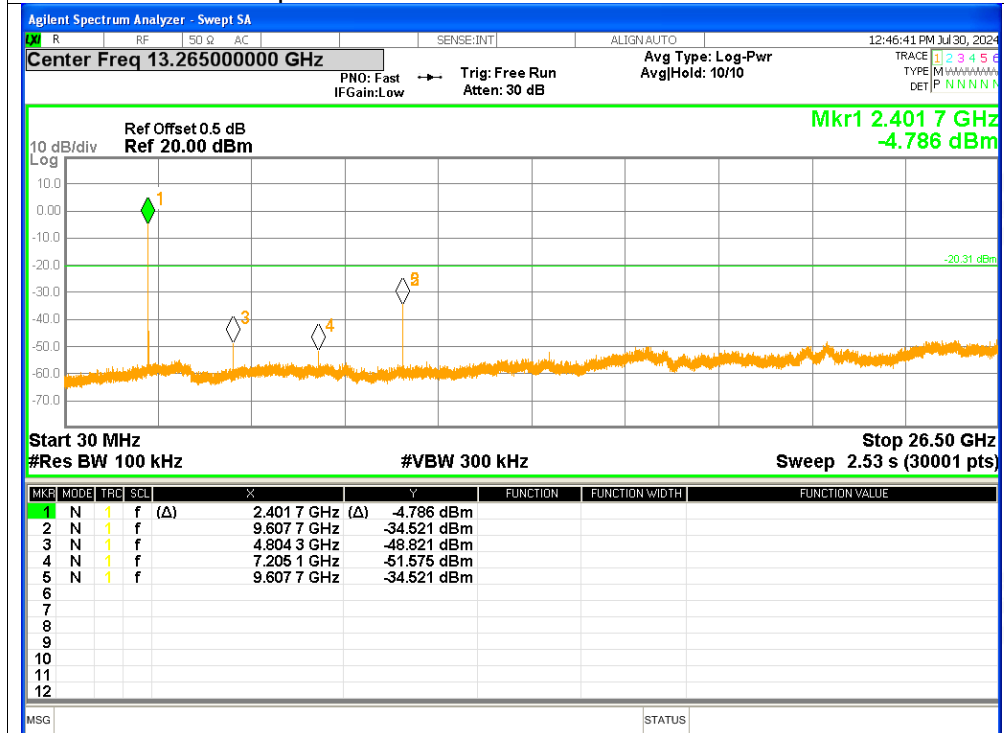
## Tx. Spurious NVNT 2-DH5 2480MHz Emission



## Tx. Spurious NVNT 3-DH5 2402MHz Ref



## Tx. Spurious NVNT 3-DH5 2402MHz Emission

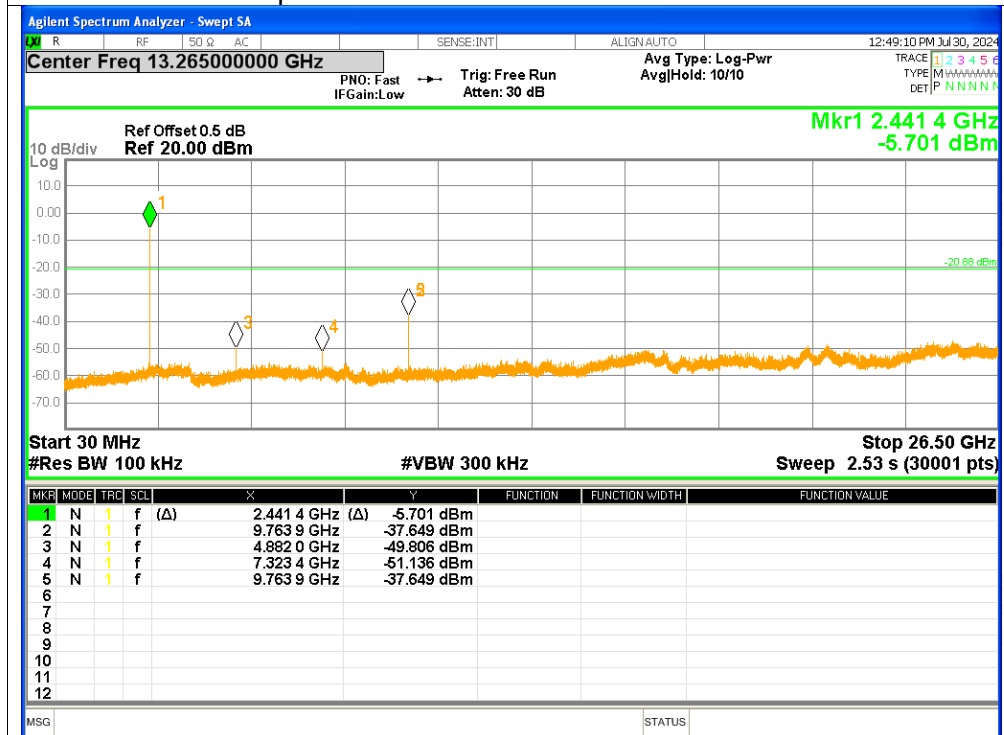




## Tx. Spurious NVNT 3-DH5 2441MHz Ref



## Tx. Spurious NVNT 3-DH5 2441MHz Emission

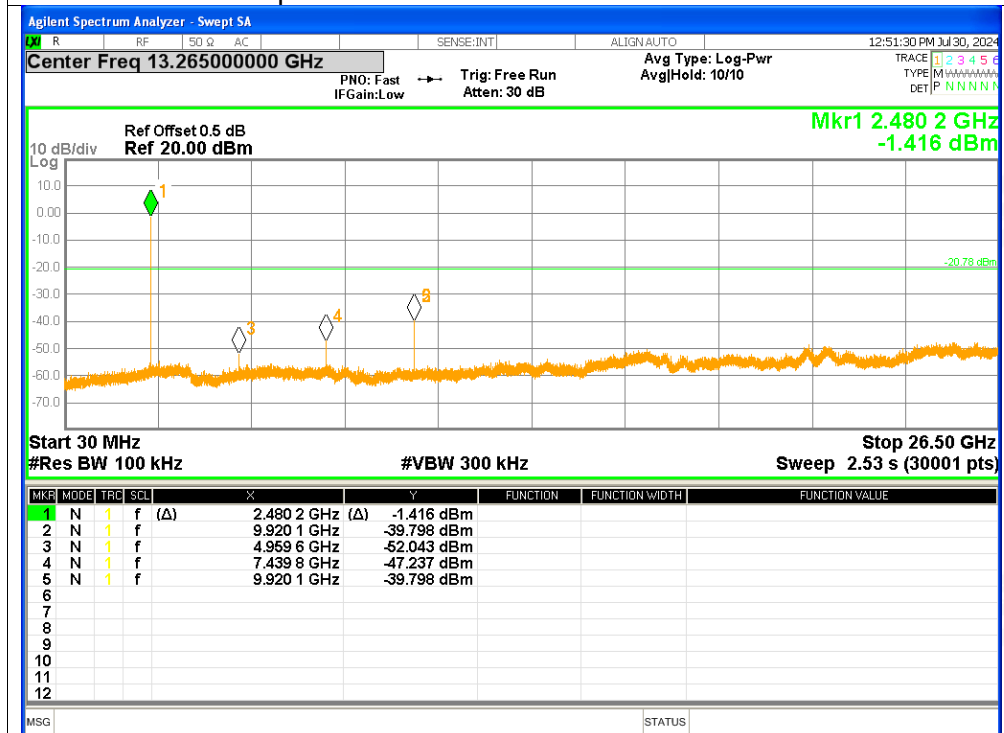




## Tx. Spurious NVNT 3-DH5 2480MHz Ref



## Tx. Spurious NVNT 3-DH5 2480MHz Emission



**Right****1. Dwell Time**

| Condition | Mode  | Frequency (MHz) | Pulse Time (ms) | Total Dwell Time (ms) | Burst Count | Period Time (ms) | Limit (ms) | Verdict |
|-----------|-------|-----------------|-----------------|-----------------------|-------------|------------------|------------|---------|
| NVNT      | 1-DH1 | 2441            | 0.382           | 121.476               | 318         | 31600            | <=400      | Pass    |
| NVNT      | 1-DH3 | 2441            | 1.639           | 240.933               | 147         | 31600            | <=400      | Pass    |
| NVNT      | 1-DH5 | 2441            | 2.887           | 308.909               | 107         | 31600            | <=400      | Pass    |
| NVNT      | 2-DH1 | 2441            | 0.391           | 124.729               | 319         | 31600            | <=400      | Pass    |
| NVNT      | 2-DH3 | 2441            | 1.643           | 254.665               | 155         | 31600            | <=400      | Pass    |
| NVNT      | 2-DH5 | 2441            | 2.888           | 274.36                | 95          | 31600            | <=400      | Pass    |
| NVNT      | 3-DH1 | 2441            | 0.392           | 125.048               | 319         | 31600            | <=400      | Pass    |
| NVNT      | 3-DH3 | 2441            | 1.642           | 262.72                | 160         | 31600            | <=400      | Pass    |
| NVNT      | 3-DH5 | 2441            | 2.893           | 332.695               | 115         | 31600            | <=400      | Pass    |

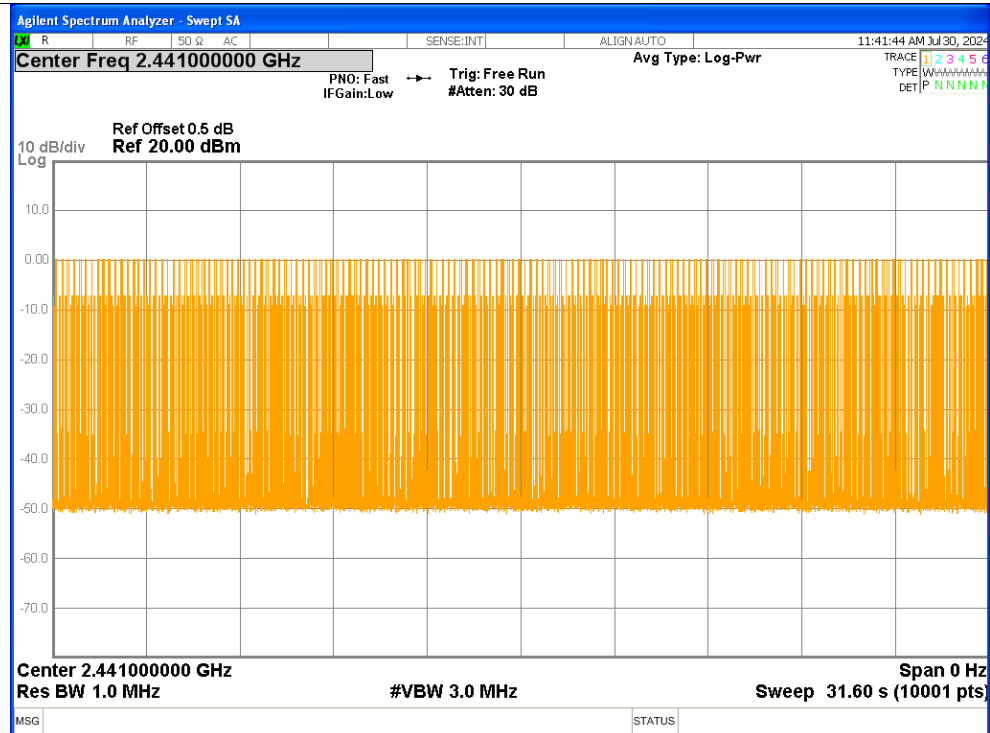


### Test Graphs

#### Dwell NVNT 1-DH1 2441MHz One Burst



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

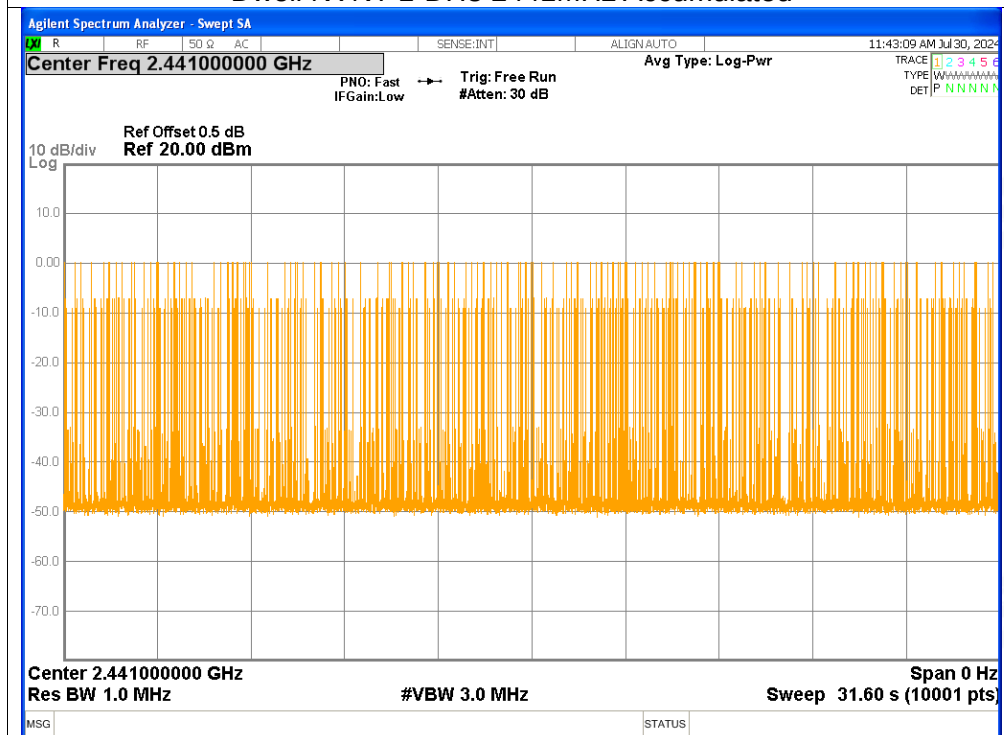




## Dwell NVNT 1-DH3 2441MHz One Burst



## Dwell NVNT 1-DH3 2441MHz Accumulated

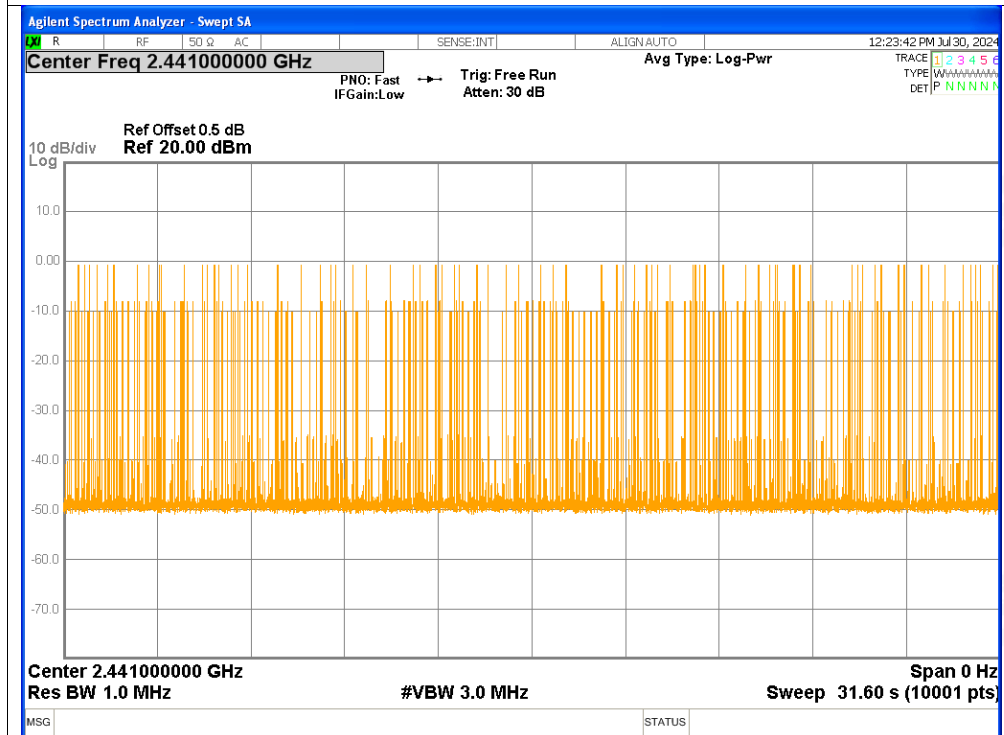




## Dwell NVNT 1-DH5 2441MHz One Burst

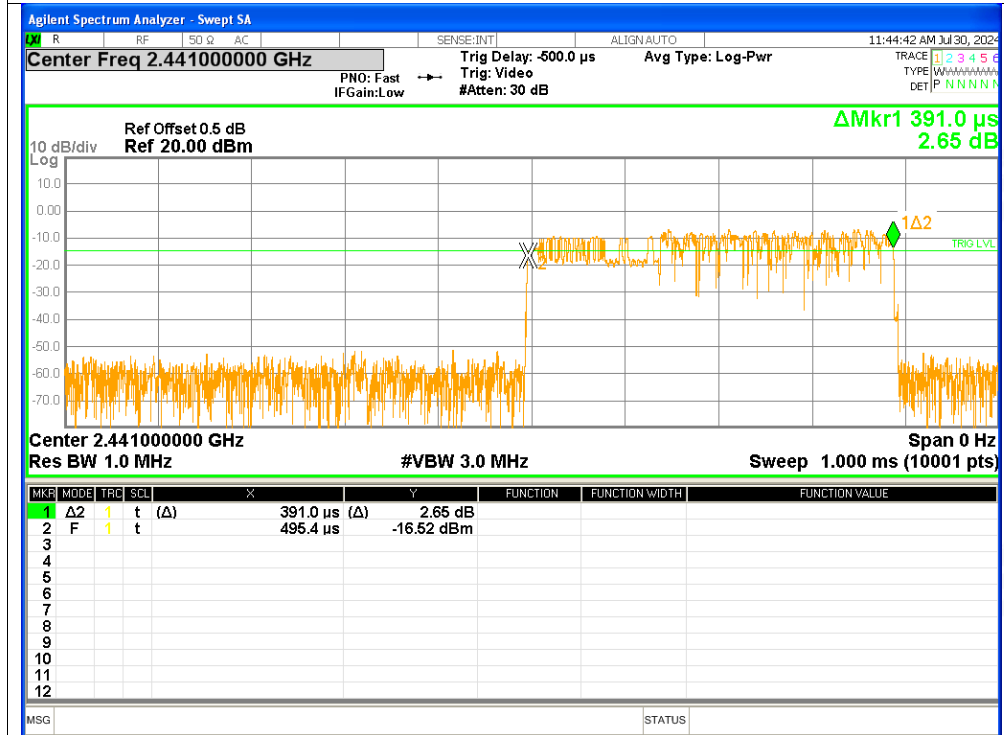


## Dwell NVNT 1-DH5 2441MHz Accumulated

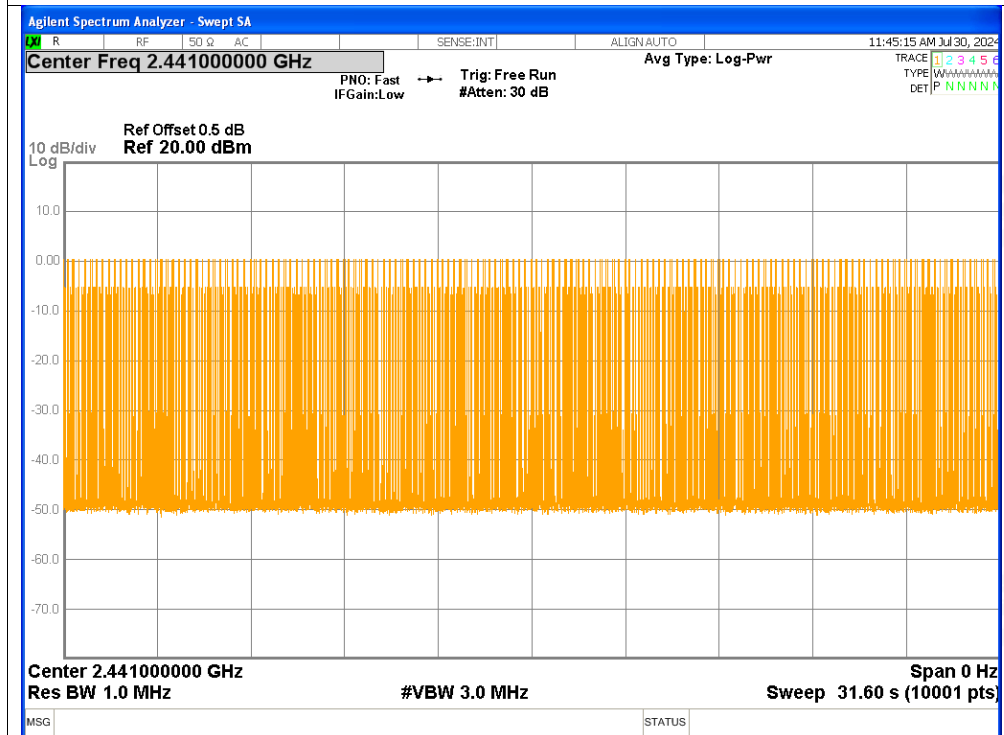




## Dwell NVNT 2-DH1 2441MHz One Burst

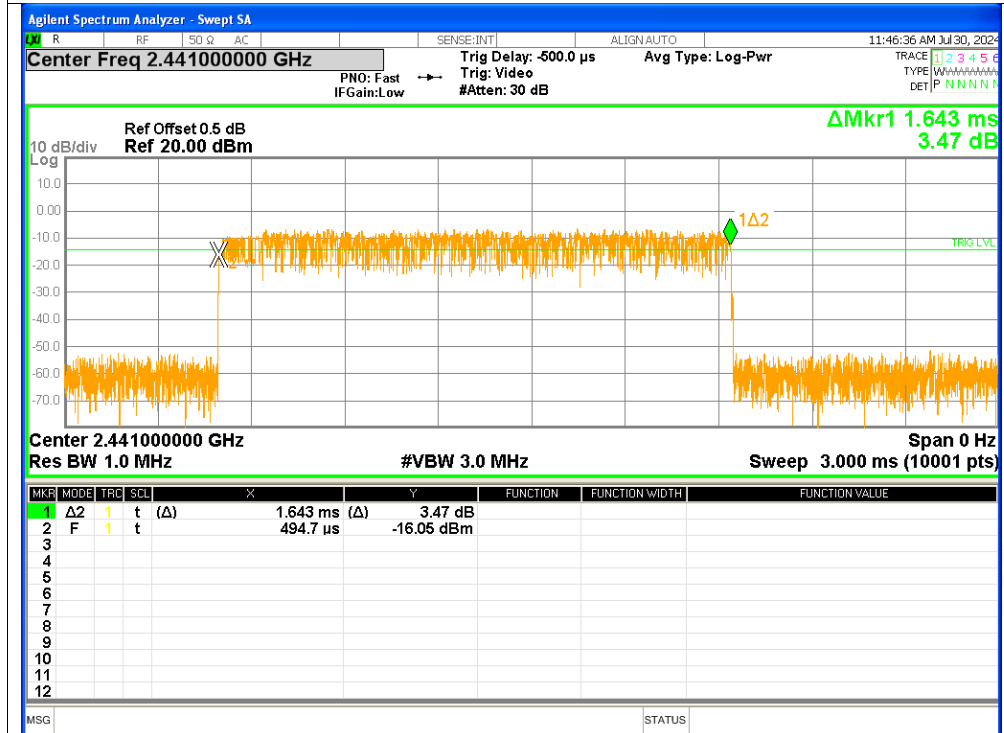


## Dwell NVNT 2-DH1 2441MHz Accumulated

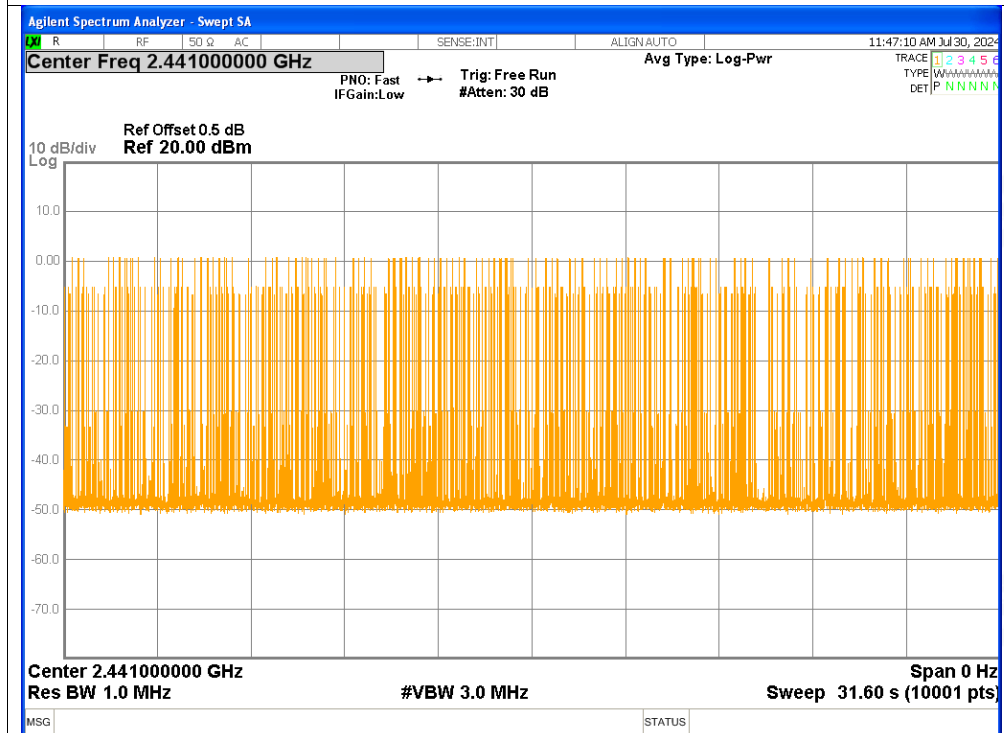




## Dwell NVNT 2-DH3 2441MHz One Burst



## Dwell NVNT 2-DH3 2441MHz Accumulated

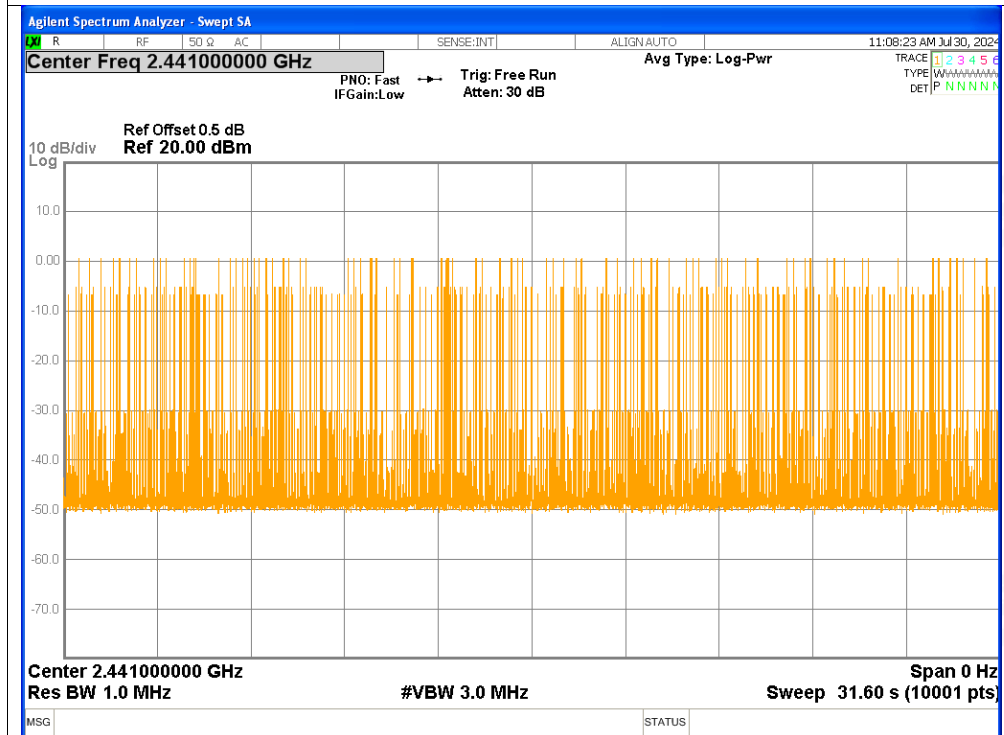




## Dwell NVNT 2-DH5 2441MHz One Burst

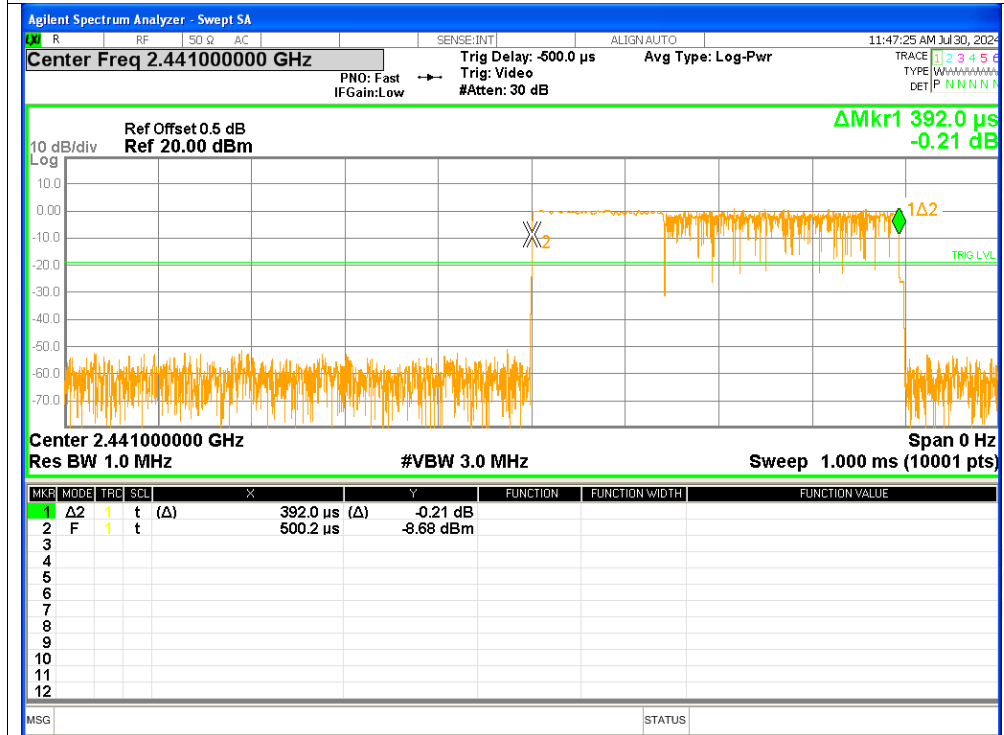


## Dwell NVNT 2-DH5 2441MHz Accumulated

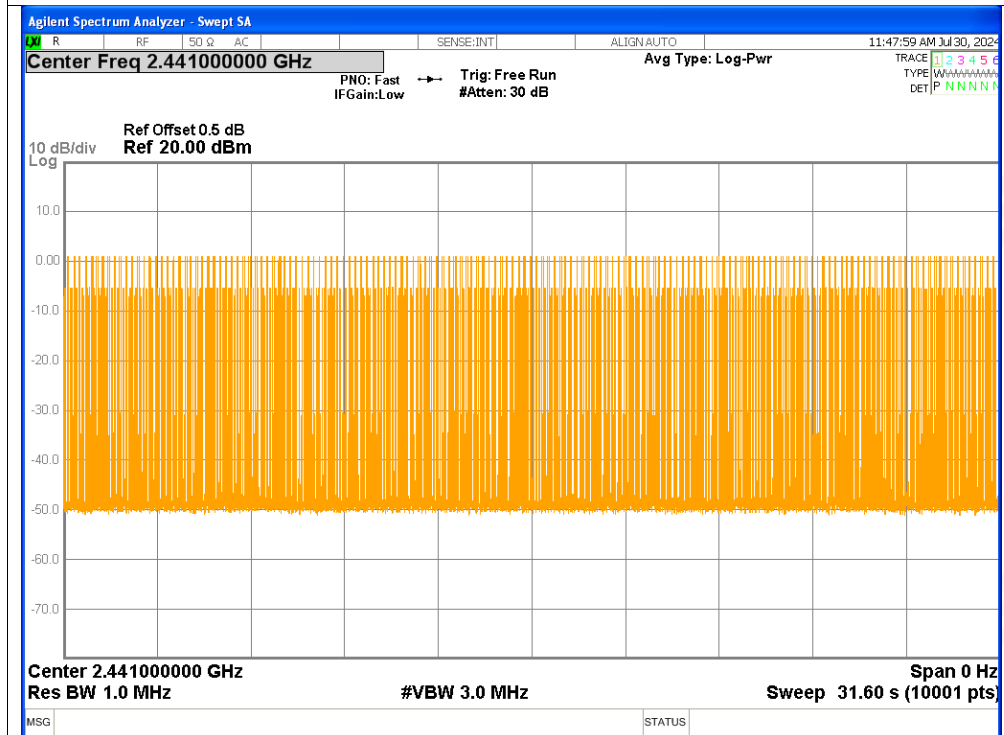




## Dwell NVNT 3-DH1 2441MHz One Burst



## Dwell NVNT 3-DH1 2441MHz Accumulated

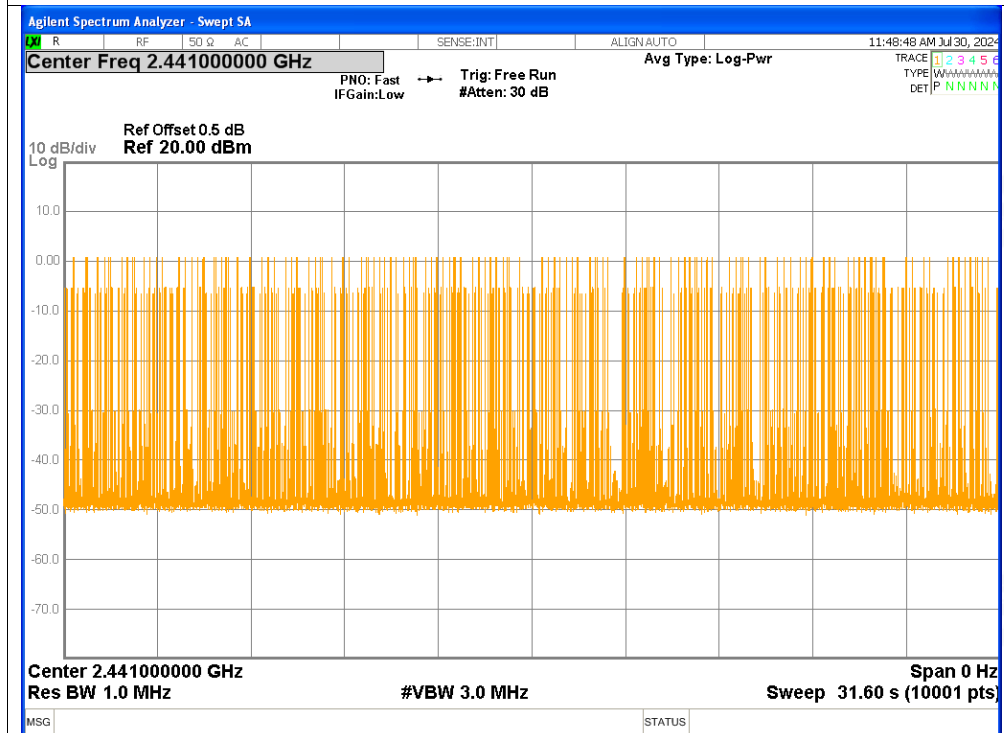




## Dwell NVNT 3-DH3 2441MHz One Burst



## Dwell NVNT 3-DH3 2441MHz Accumulated

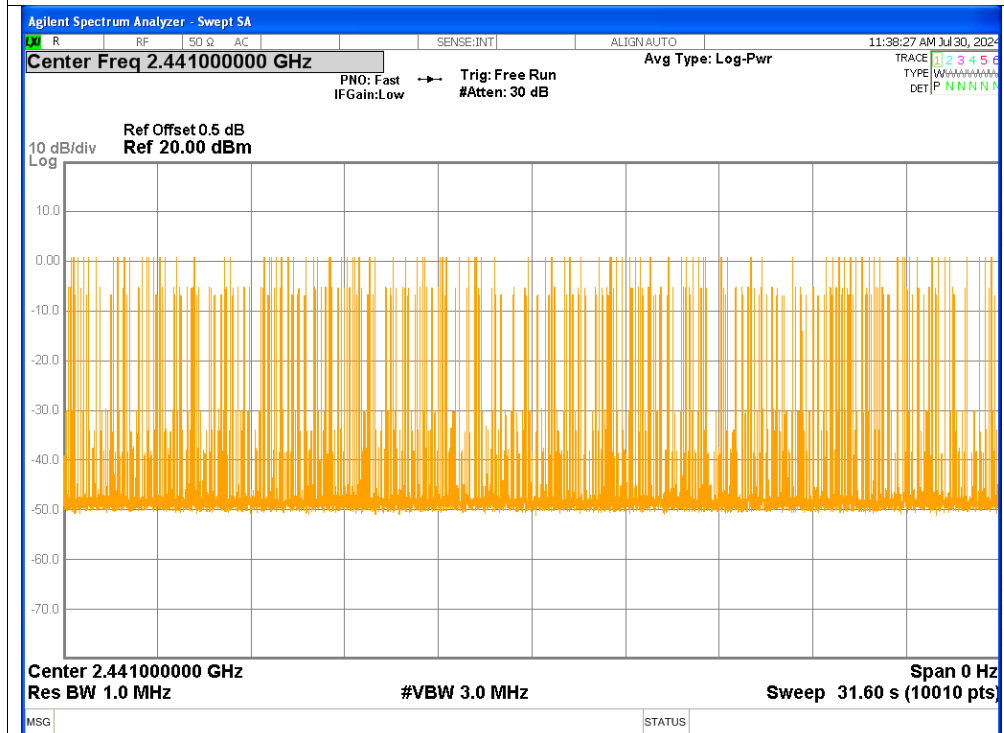




## Dwell NVNT 3-DH5 2441MHz One Burst



## Dwell NVNT 3-DH5 2441MHz Accumulated





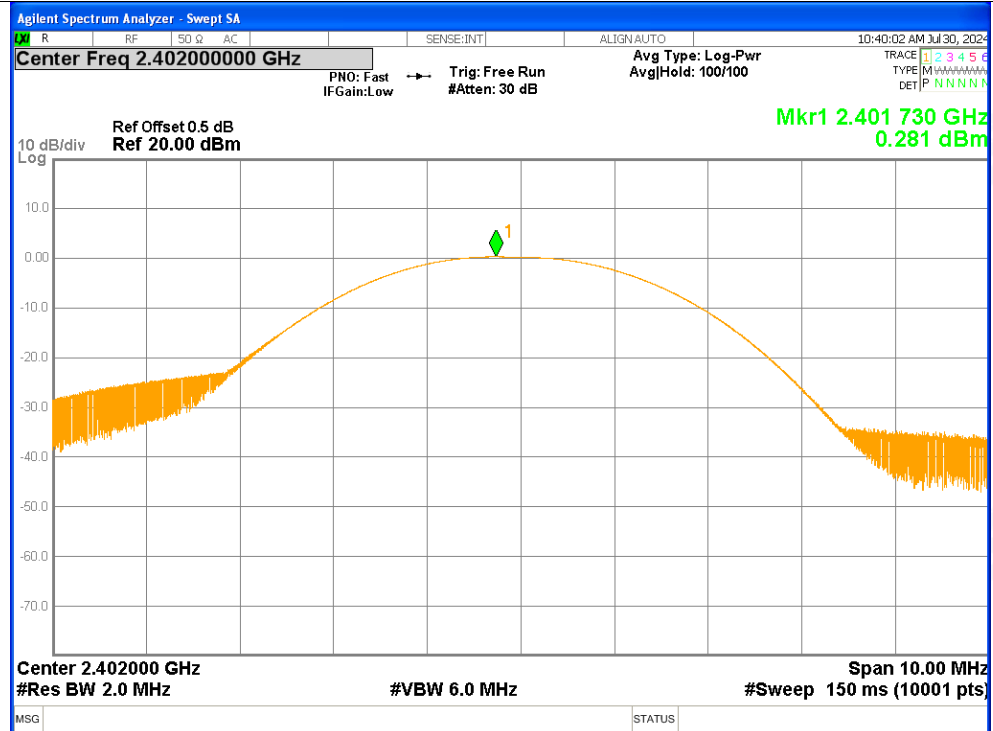
## 2. Maximum Peak Conducted Output Power

| Condition | Mode  | Frequency (MHz) | Conducted Power (dBm) | Limit (dBm)  | Verdict |
|-----------|-------|-----------------|-----------------------|--------------|---------|
| NVNT      | 1-DH5 | 2402            | 0.28                  | $\leq 20.97$ | Pass    |
| NVNT      | 1-DH5 | 2441            | -0.19                 | $\leq 20.97$ | Pass    |
| NVNT      | 1-DH5 | 2480            | -0.09                 | $\leq 20.97$ | Pass    |
| NVNT      | 2-DH5 | 2402            | 1.38                  | $\leq 20.97$ | Pass    |
| NVNT      | 2-DH5 | 2441            | 0.96                  | $\leq 20.97$ | Pass    |
| NVNT      | 2-DH5 | 2480            | 1.03                  | $\leq 20.97$ | Pass    |
| NVNT      | 3-DH5 | 2402            | 1.62                  | $\leq 20.97$ | Pass    |
| NVNT      | 3-DH5 | 2441            | 1.17                  | $\leq 20.97$ | Pass    |
| NVNT      | 3-DH5 | 2480            | 1.24                  | $\leq 20.97$ | Pass    |

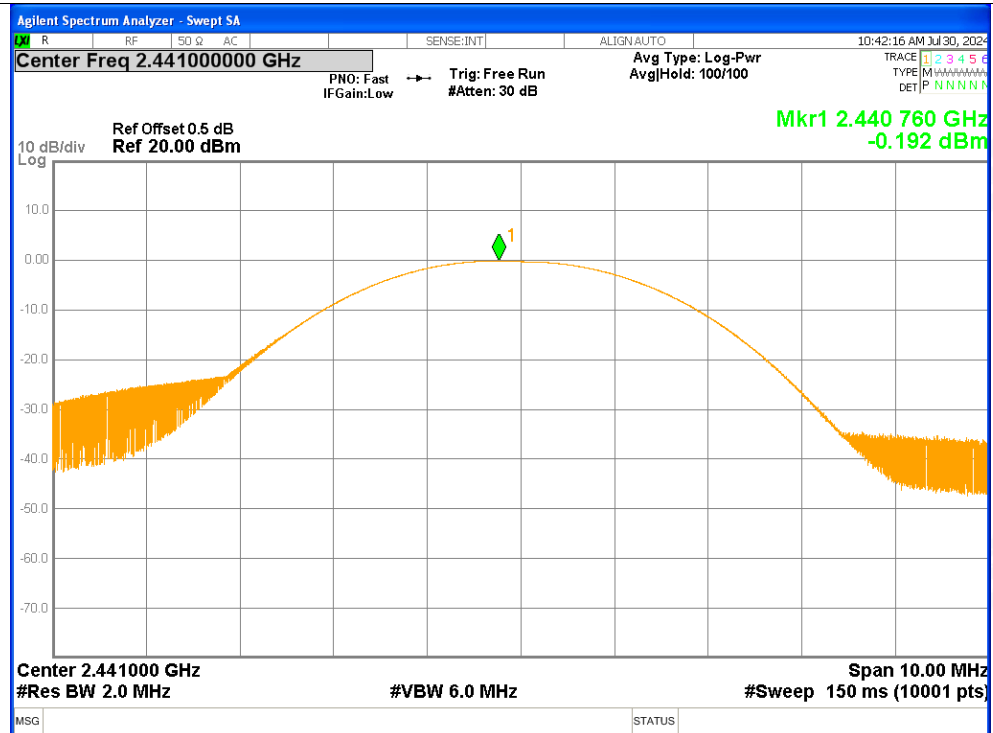


### Test Graphs

#### Peak Power NVNT 1-DH5 2402MHz

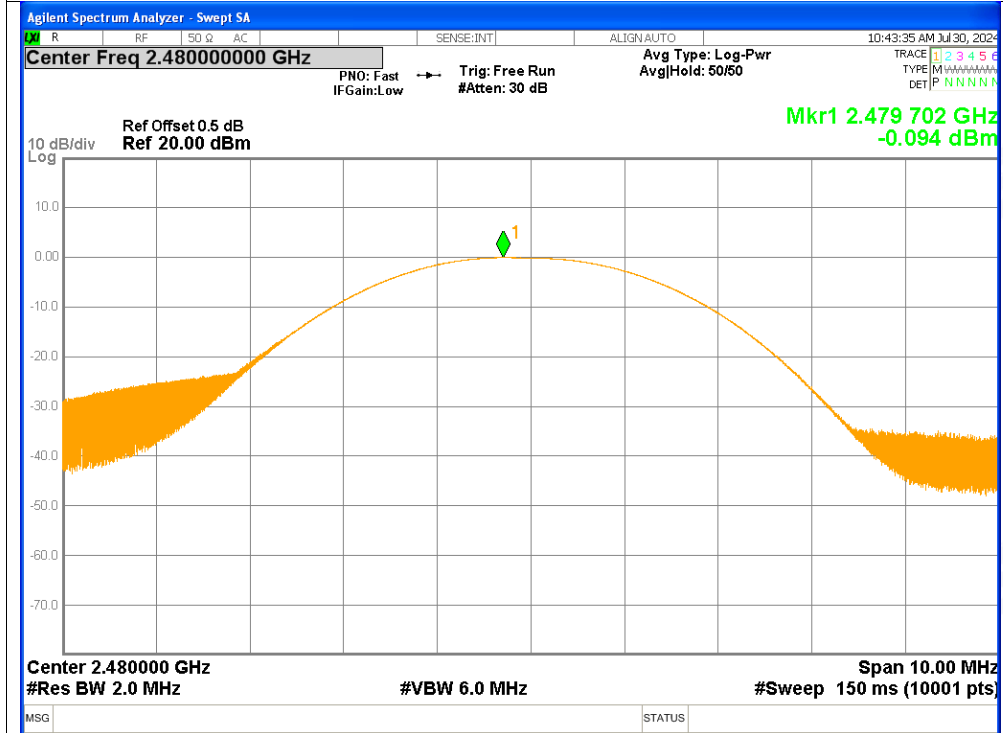


#### Peak Power NVNT 1-DH5 2441MHz

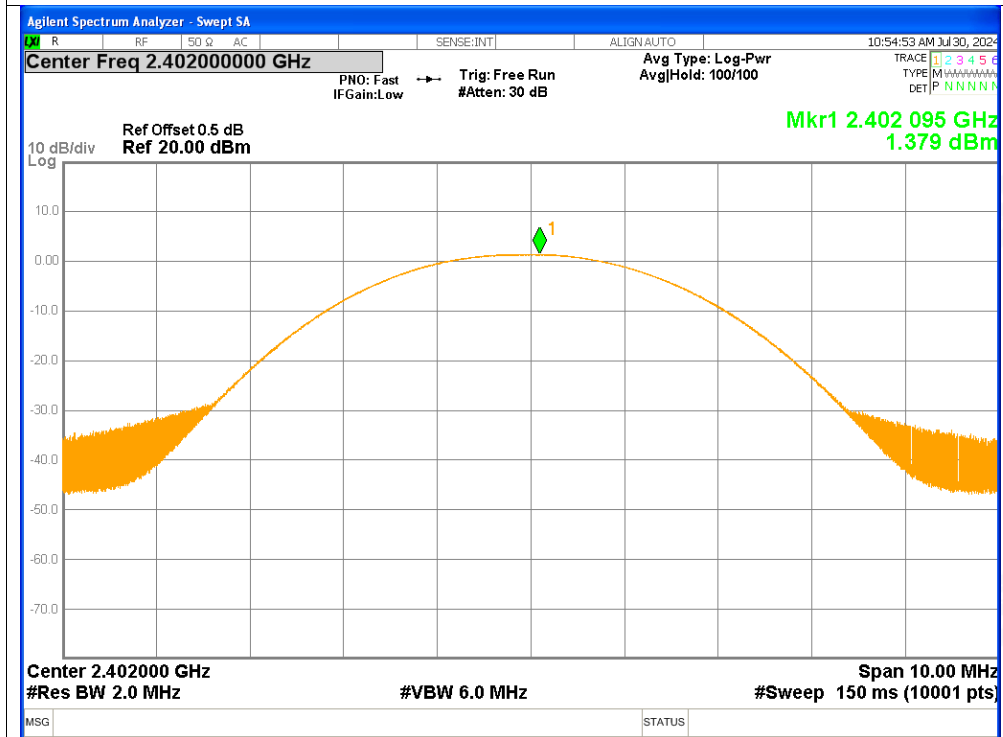




## Peak Power NVNT 1-DH5 2480MHz

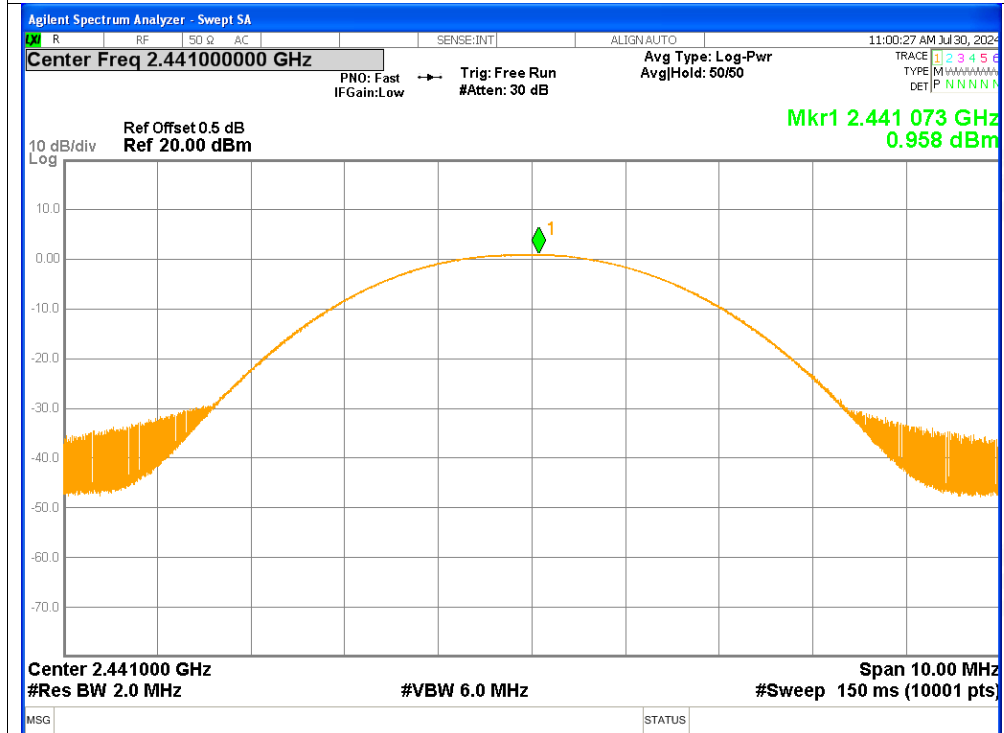


## Peak Power NVNT 2-DH5 2402MHz

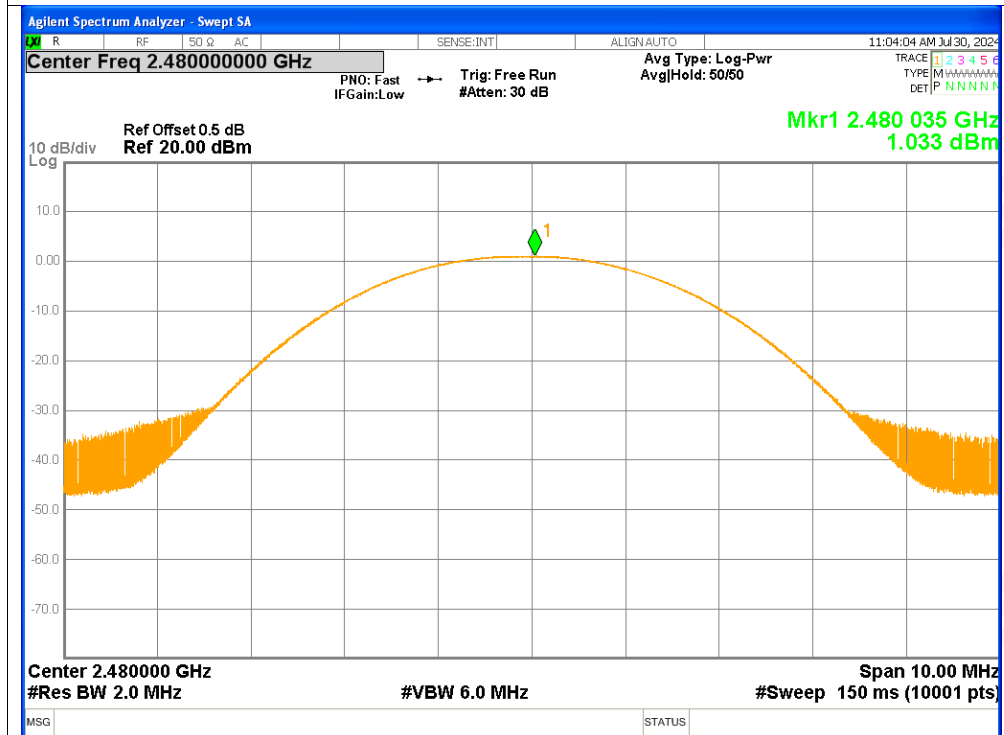




## Peak Power NVNT 2-DH5 2441MHz

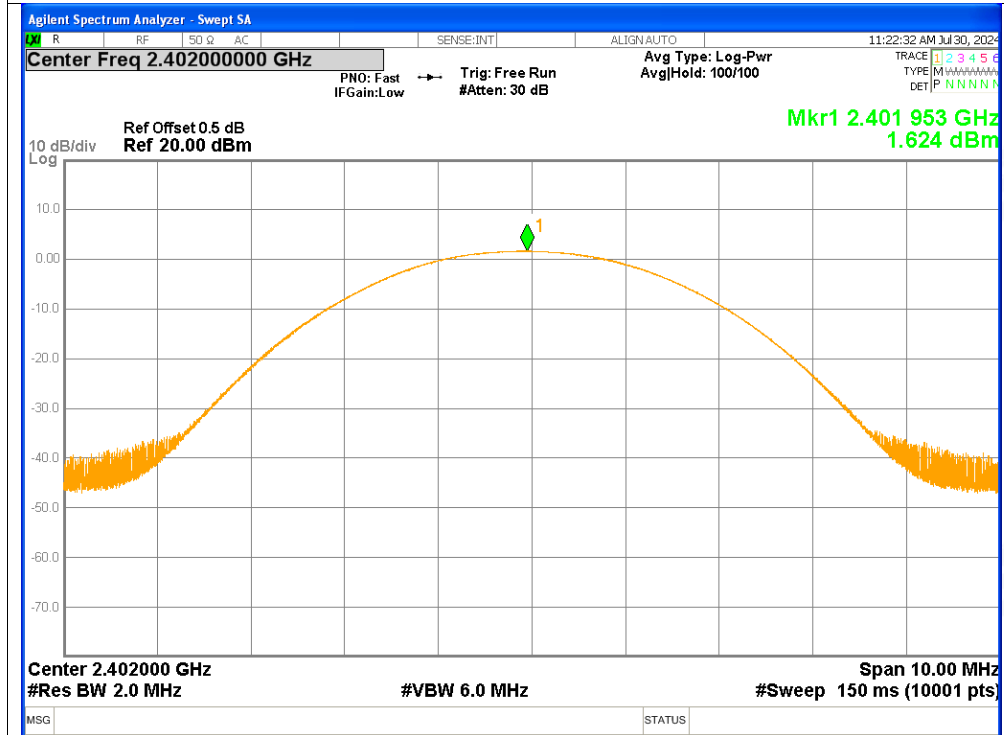


## Peak Power NVNT 2-DH5 2480MHz

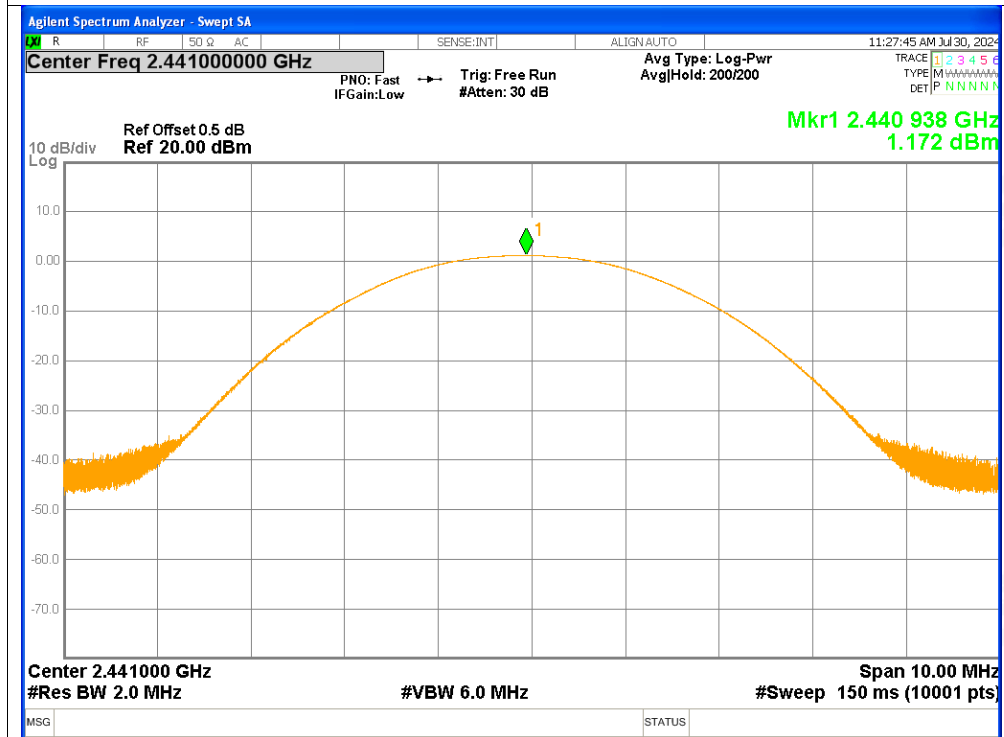


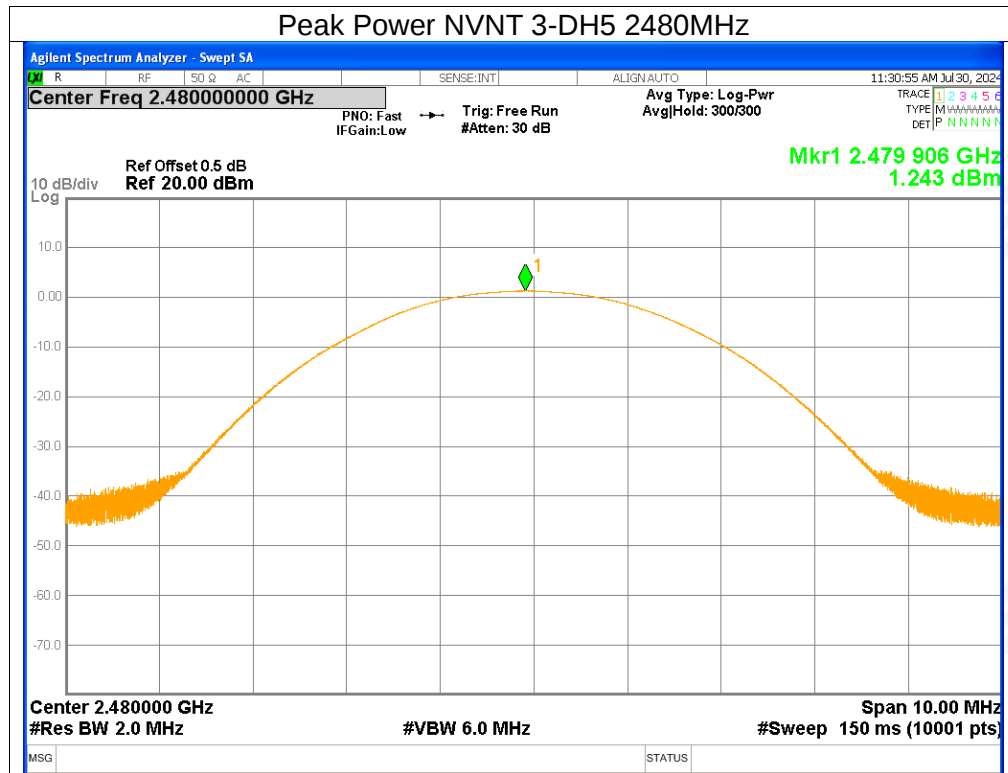


## Peak Power NVNT 3-DH5 2402MHz



## Peak Power NVNT 3-DH5 2441MHz







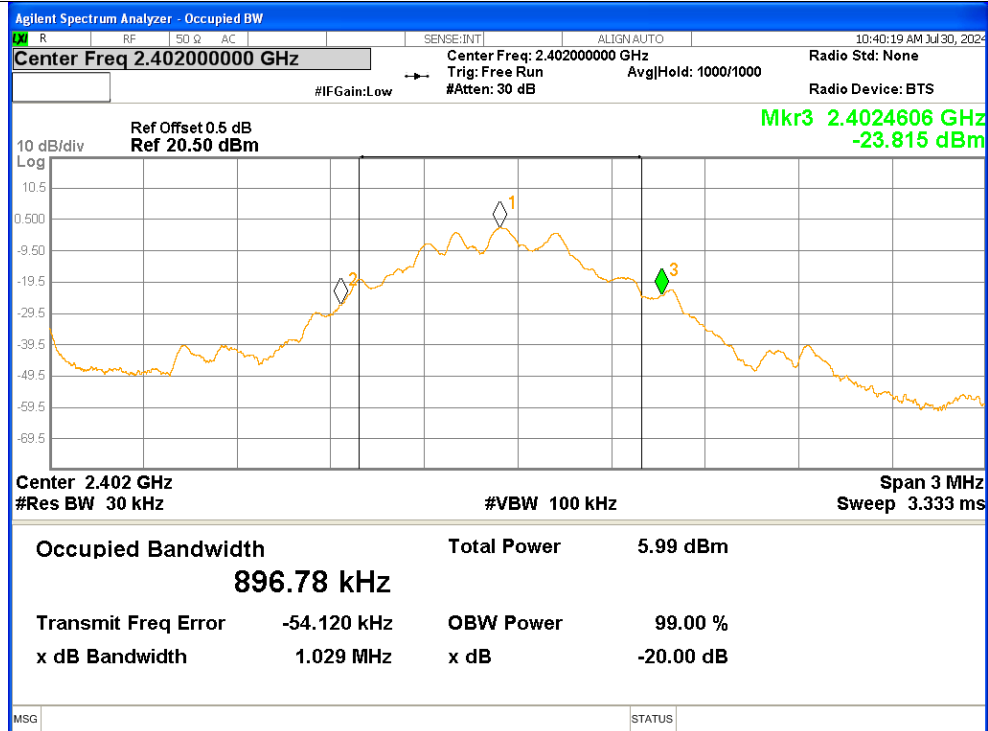
### 3. -20dB Bandwidth

| Condition | Mode  | Frequency (MHz) | -20 dB Bandwidth (MHz) | Verdict |
|-----------|-------|-----------------|------------------------|---------|
| NVNT      | 1-DH5 | 2402            | 1.0295                 | Pass    |
| NVNT      | 1-DH5 | 2441            | 0.852                  | Pass    |
| NVNT      | 1-DH5 | 2480            | 0.8237                 | Pass    |
| NVNT      | 2-DH5 | 2402            | 1.2791                 | Pass    |
| NVNT      | 2-DH5 | 2441            | 1.2766                 | Pass    |
| NVNT      | 2-DH5 | 2480            | 1.2793                 | Pass    |
| NVNT      | 3-DH5 | 2402            | 1.2881                 | Pass    |
| NVNT      | 3-DH5 | 2441            | 1.2882                 | Pass    |
| NVNT      | 3-DH5 | 2480            | 1.2901                 | Pass    |

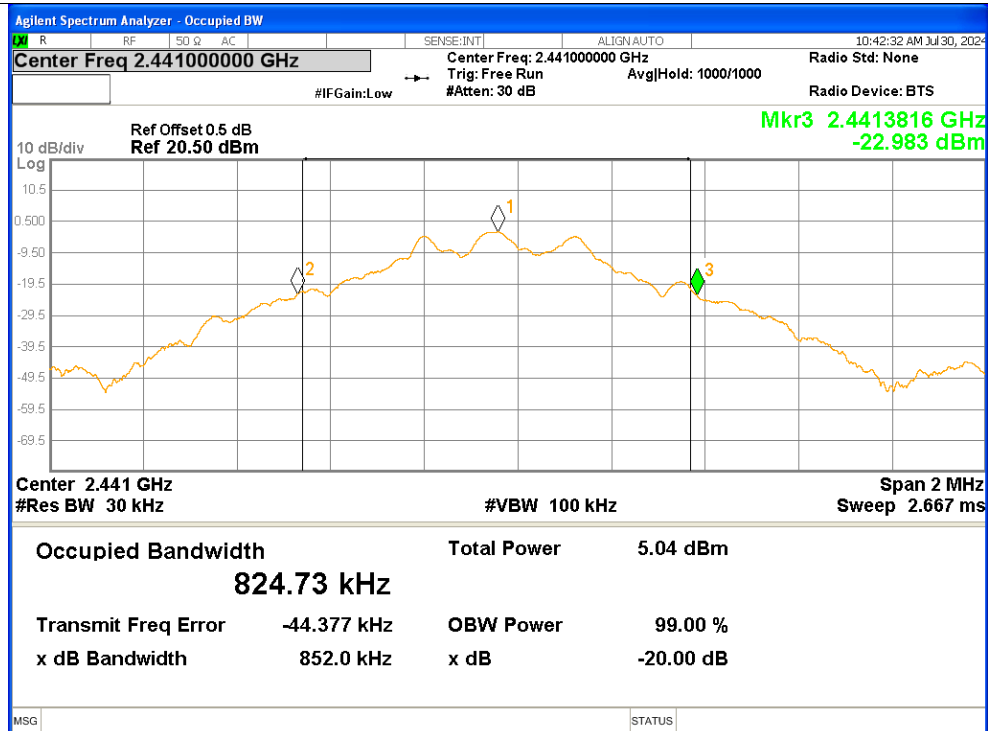


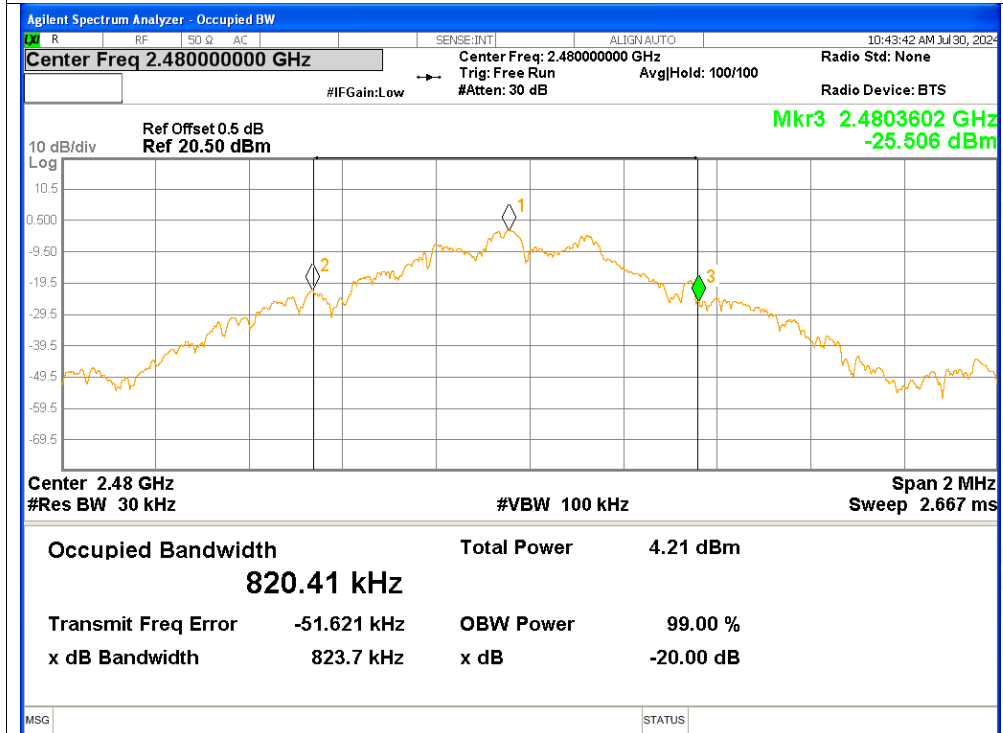
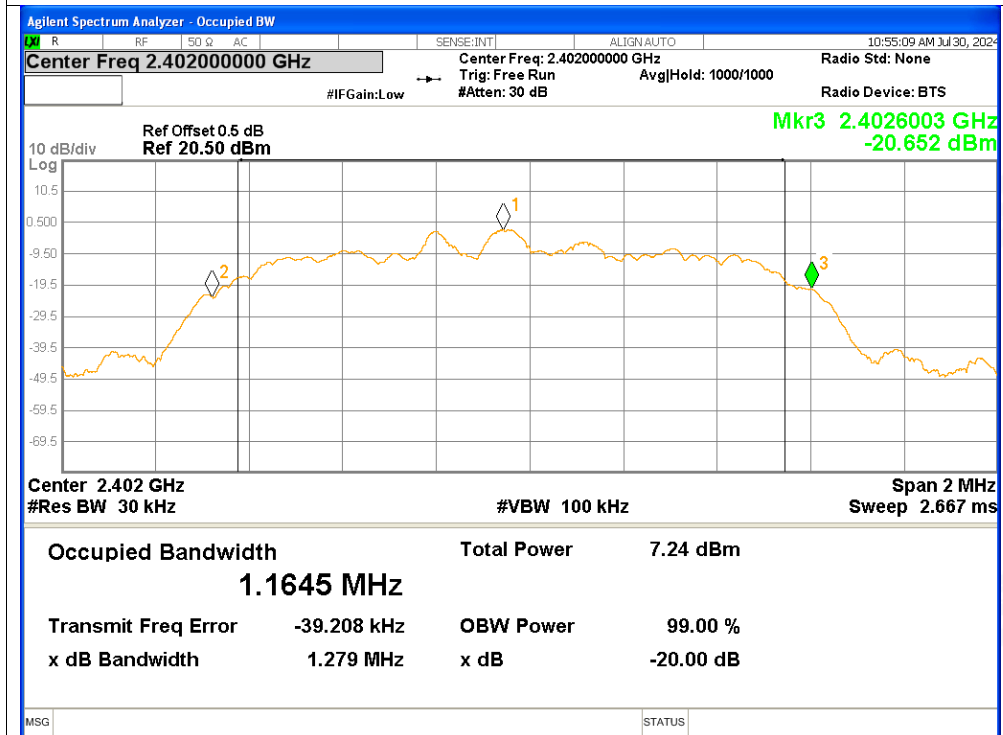
## Test Graphs

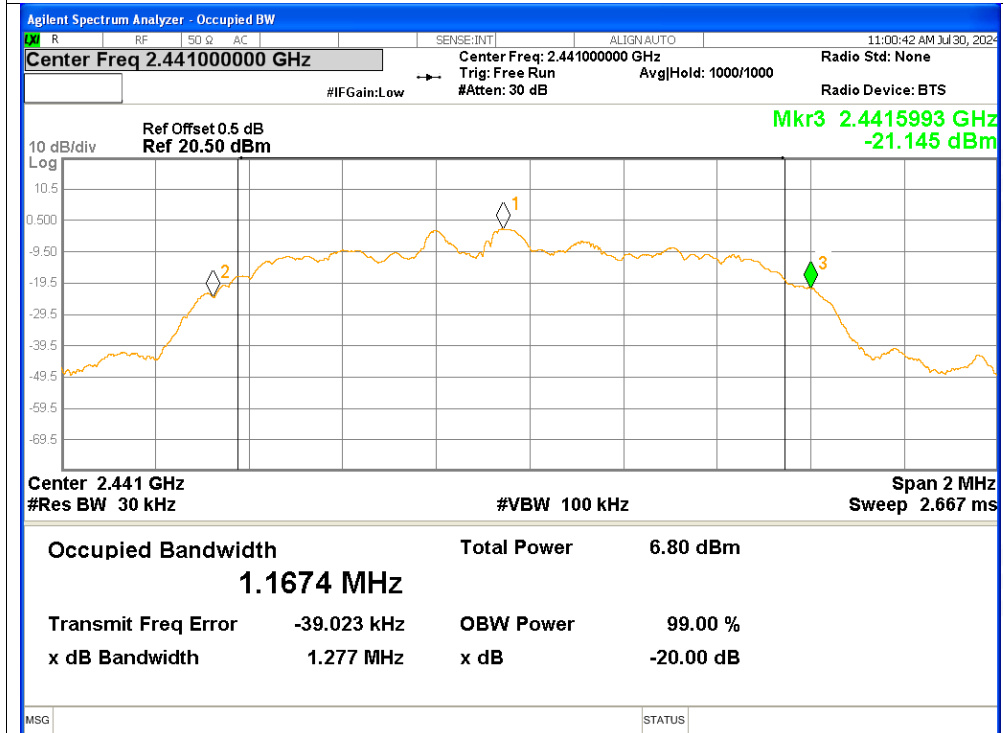
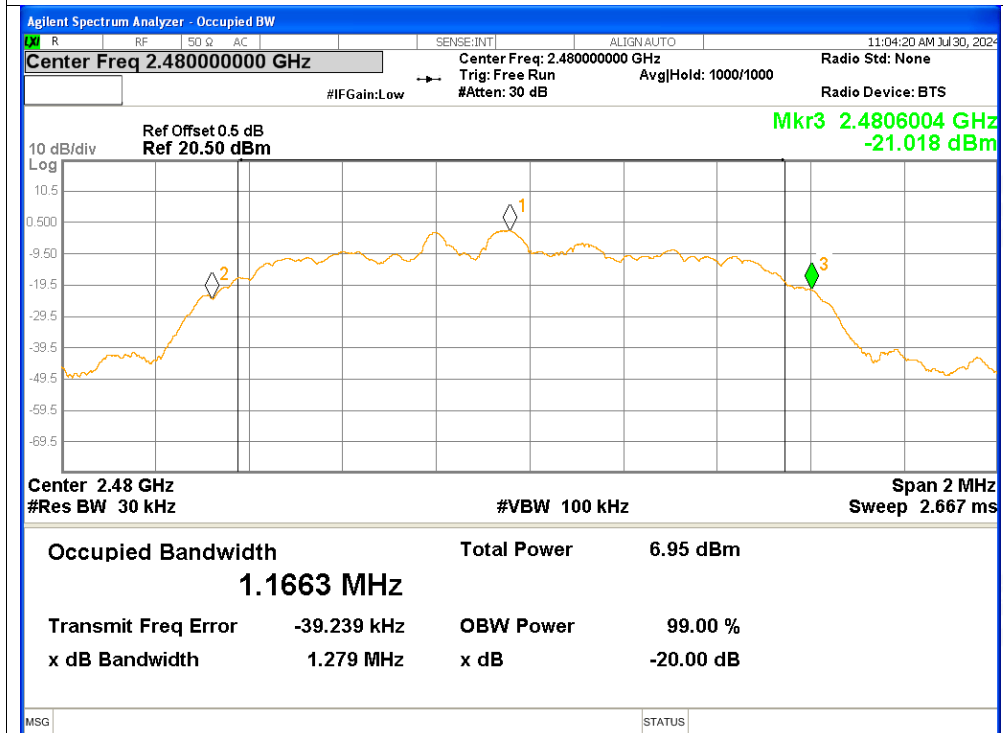
## -20dB Bandwidth NVNT 1-DH5 2402MHz

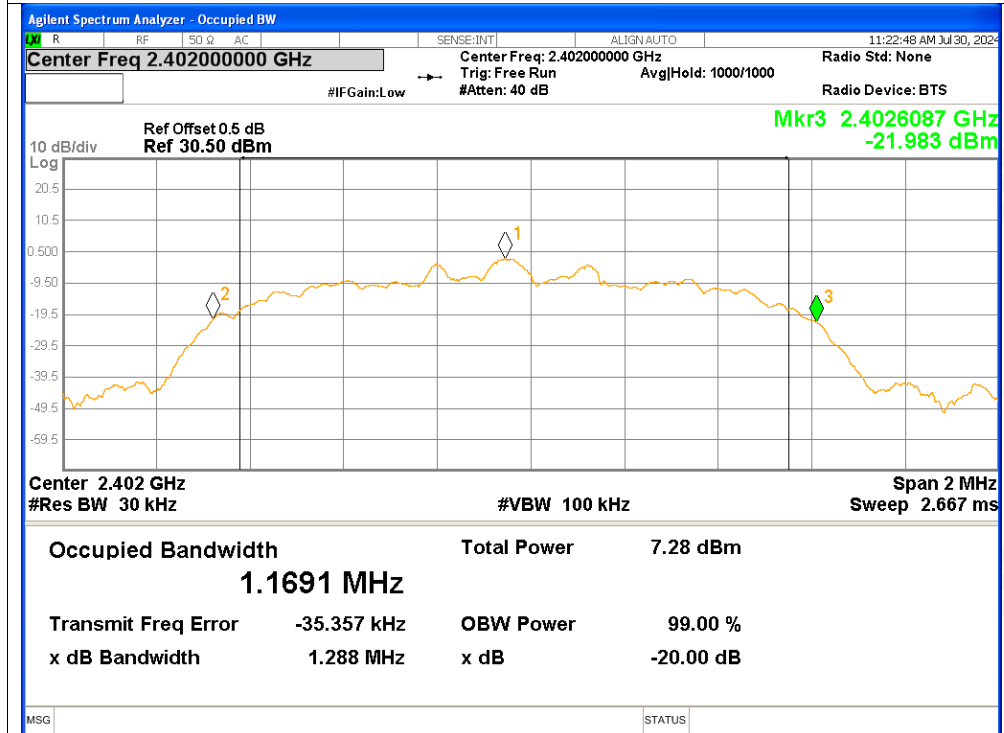
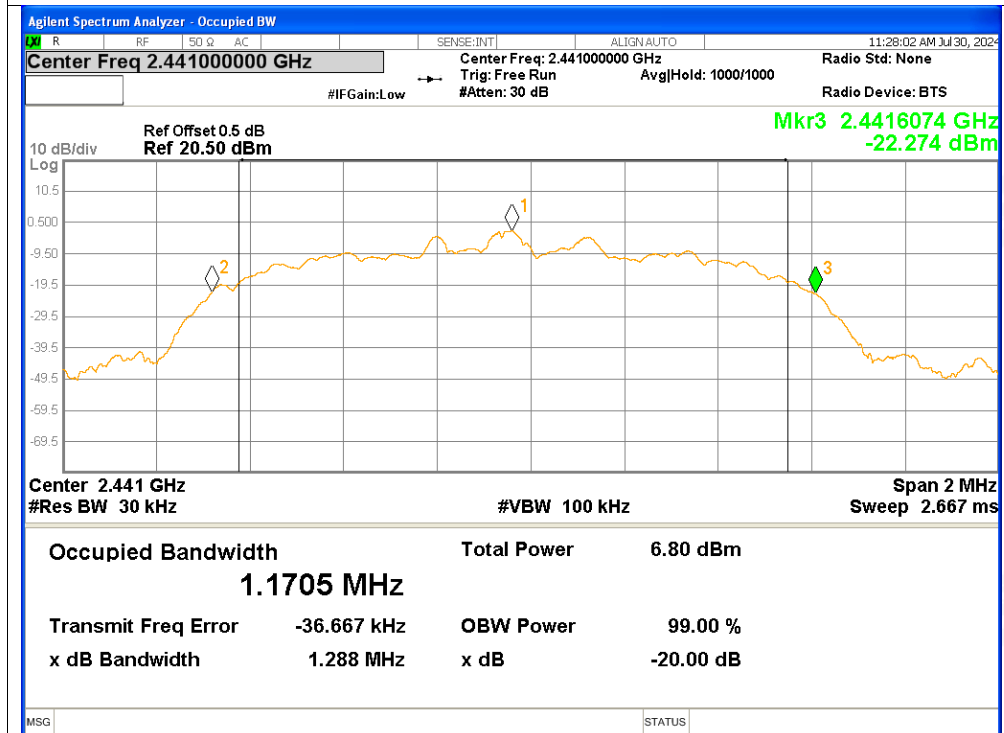


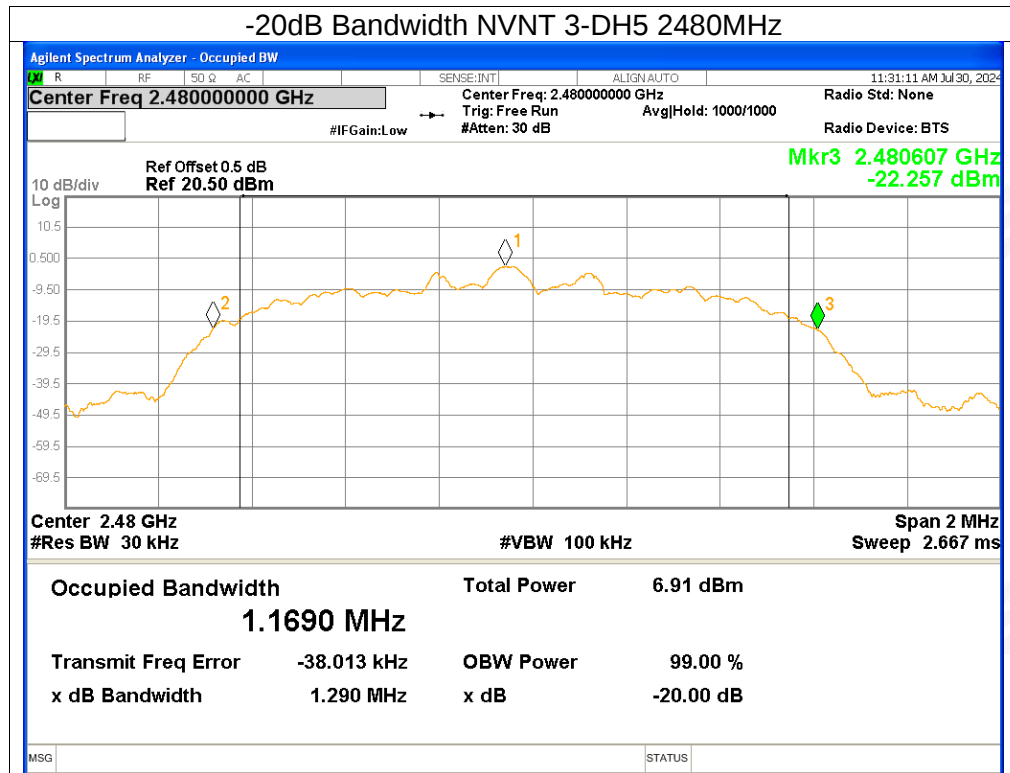
## -20dB Bandwidth NVNT 1-DH5 2441MHz



**-20dB Bandwidth NVNT 1-DH5 2480MHz****-20dB Bandwidth NVNT 2-DH5 2402MHz**

**-20dB Bandwidth NVNT 2-DH5 2441MHz****-20dB Bandwidth NVNT 2-DH5 2480MHz**

**-20dB Bandwidth NVNT 3-DH5 2402MHz****-20dB Bandwidth NVNT 3-DH5 2441MHz**

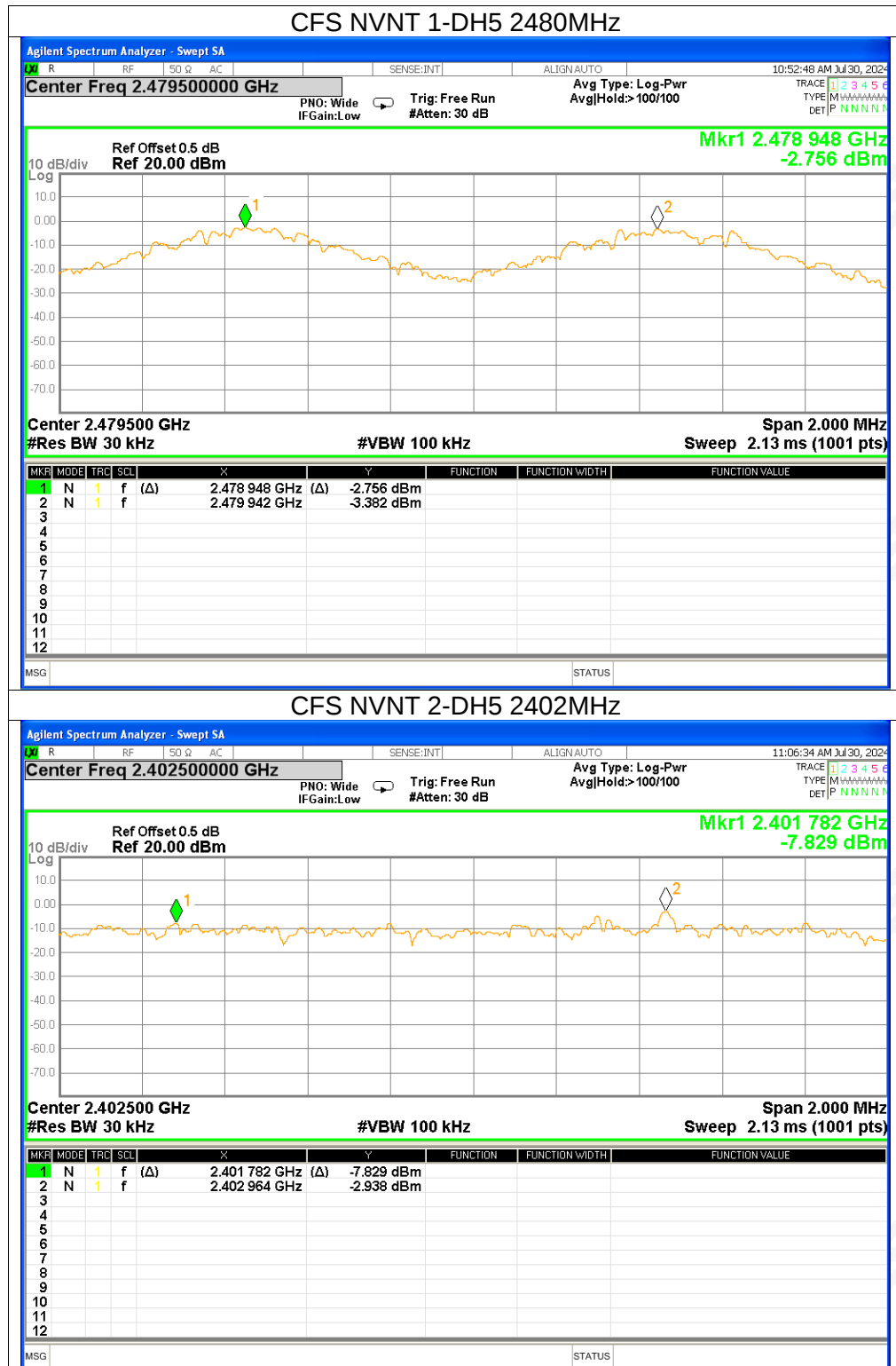




#### 4. Carrier Frequencies Separation

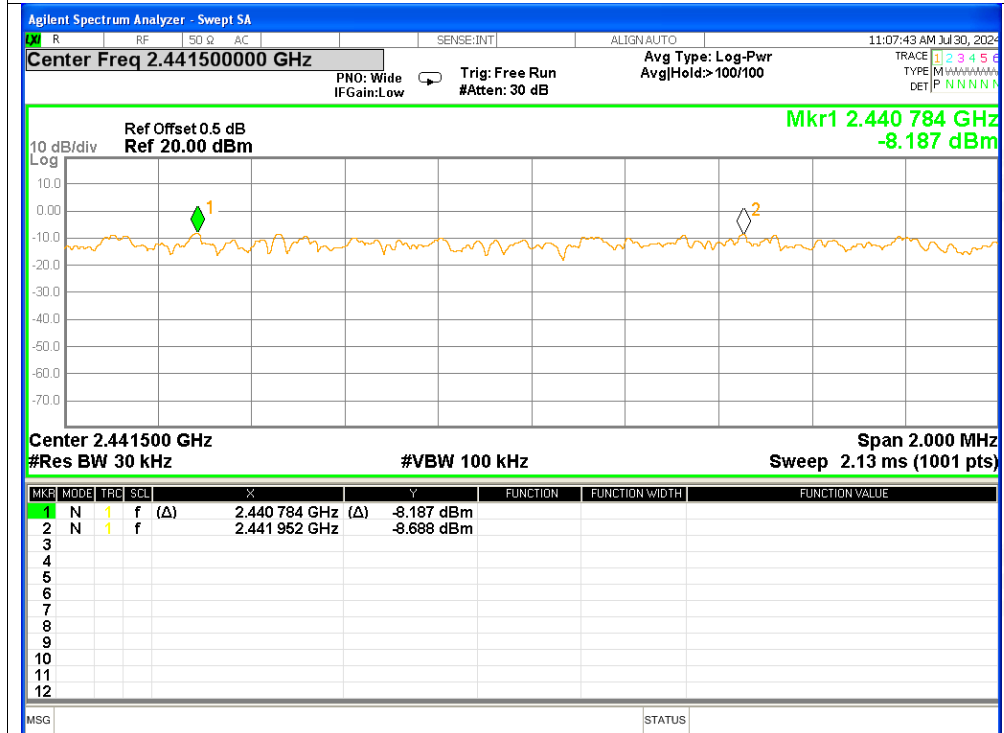
| Condition | Mode  | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz)  | Verdict |
|-----------|-------|---------------------|---------------------|-----------|--------------|---------|
| NVNT      | 1-DH5 | 2401.944            | 2402.938            | 0.994     | $\geq 0.686$ | Pass    |
| NVNT      | 1-DH5 | 2440.932            | 2441.966            | 1.034     | $\geq 0.568$ | Pass    |
| NVNT      | 1-DH5 | 2478.948            | 2479.942            | 0.994     | $\geq 0.549$ | Pass    |
| NVNT      | 2-DH5 | 2401.782            | 2402.964            | 1.182     | $\geq 0.853$ | Pass    |
| NVNT      | 2-DH5 | 2440.784            | 2441.952            | 1.168     | $\geq 0.851$ | Pass    |
| NVNT      | 2-DH5 | 2478.802            | 2480.096            | 1.294     | $\geq 0.853$ | Pass    |
| NVNT      | 3-DH5 | 2401.91             | 2402.954            | 1.044     | $\geq 0.859$ | Pass    |
| NVNT      | 3-DH5 | 2440.934            | 2442.116            | 1.182     | $\geq 0.859$ | Pass    |
| NVNT      | 3-DH5 | 2478.872            | 2479.798            | 0.926     | $\geq 0.86$  | Pass    |



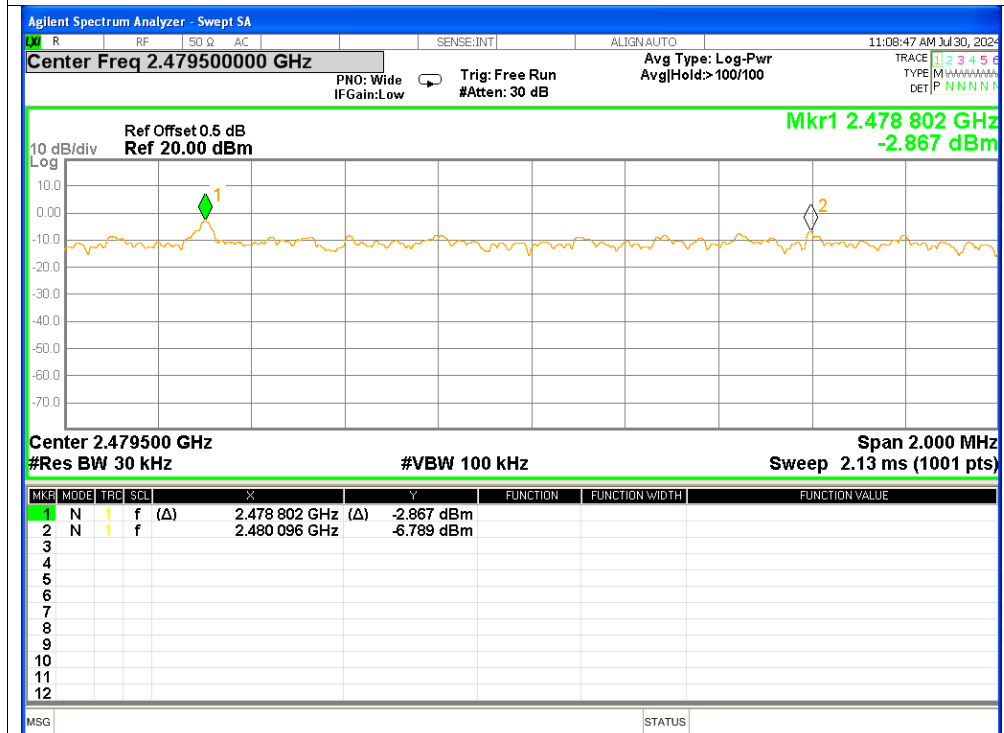




## CFS NVNT 2-DH5 2441MHz

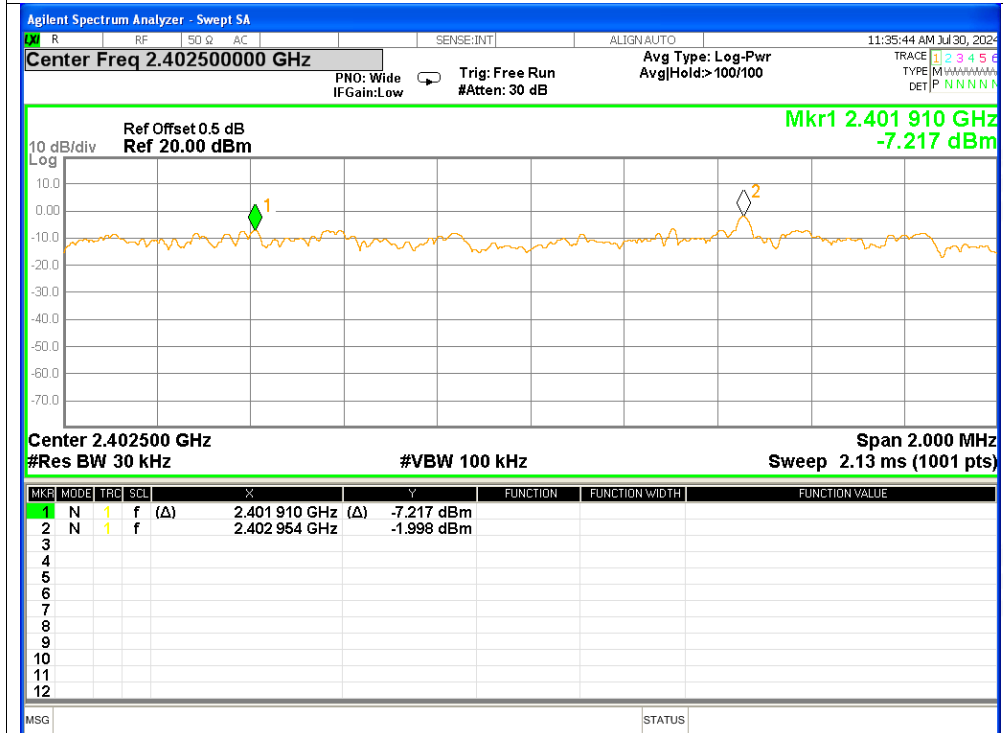


## CFS NVNT 2-DH5 2480MHz

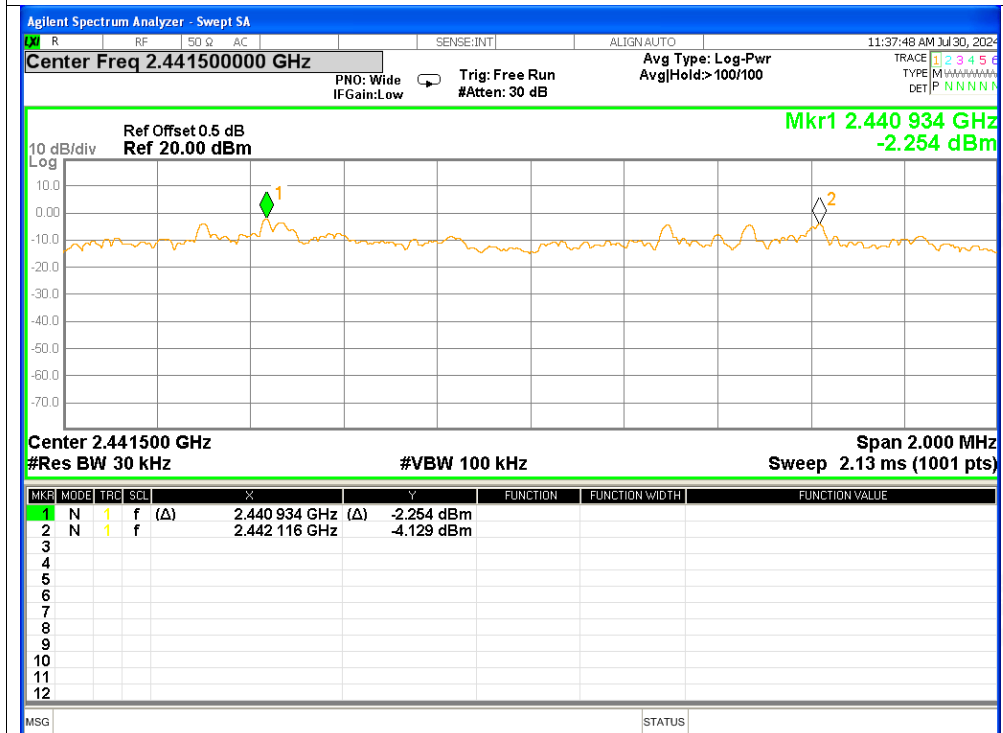


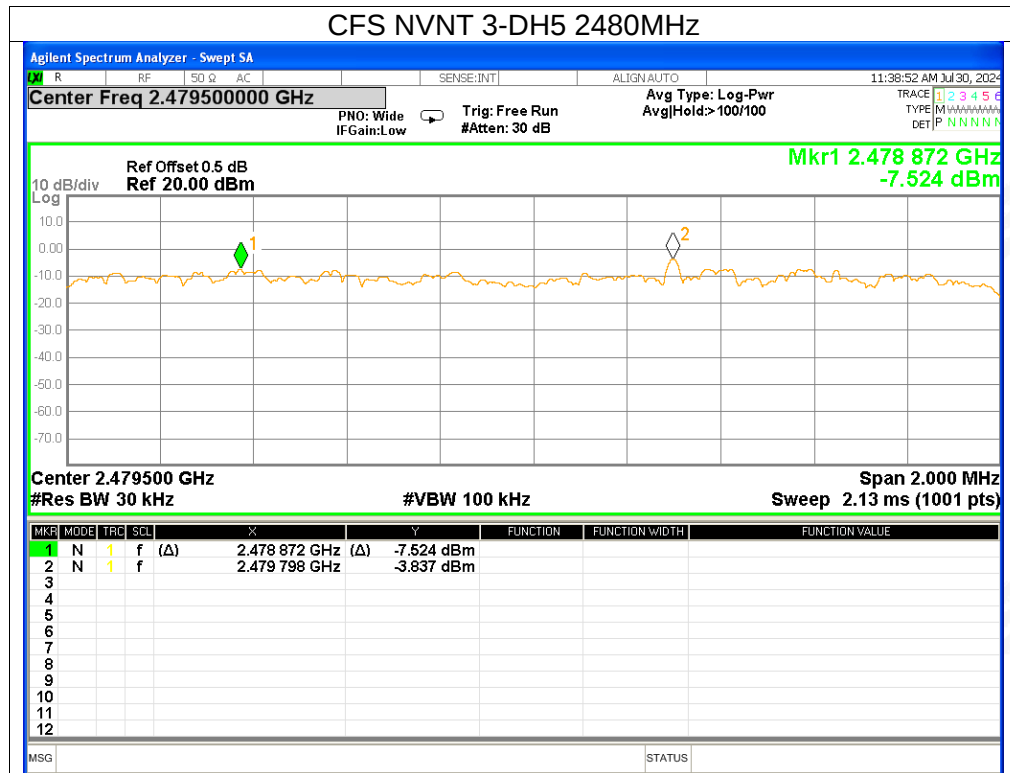


## CFS NVNT 3-DH5 2402MHz



## CFS NVNT 3-DH5 2441MHz



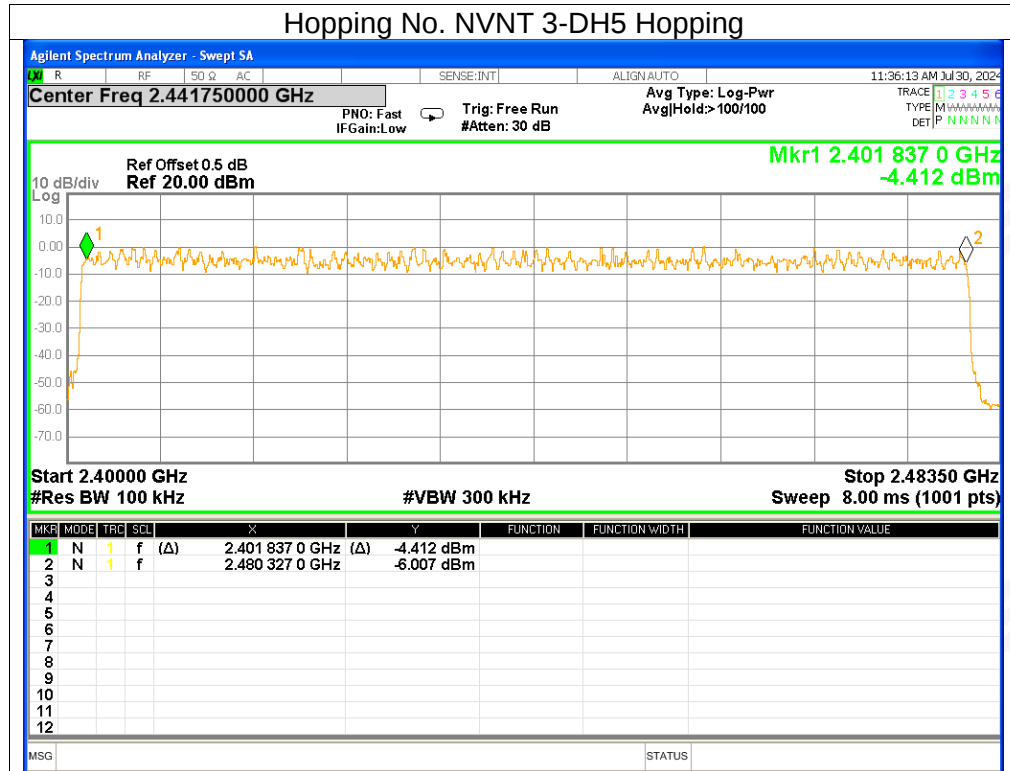




## 5. Number of Hopping Channel

| Condition | Mode  | Hopping Number | Limit     | Verdict |
|-----------|-------|----------------|-----------|---------|
| NVNT      | 1-DH5 | 79             | $\geq 15$ | Pass    |
| NVNT      | 2-DH5 | 79             | $\geq 15$ | Pass    |
| NVNT      | 3-DH5 | 79             | $\geq 15$ | Pass    |



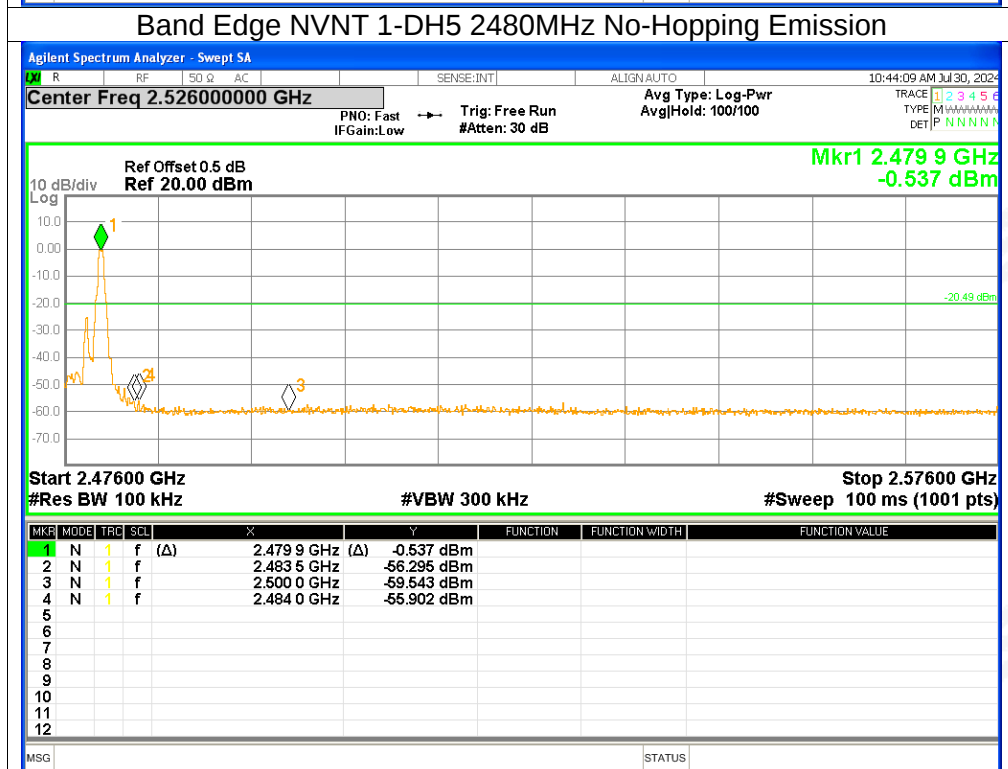
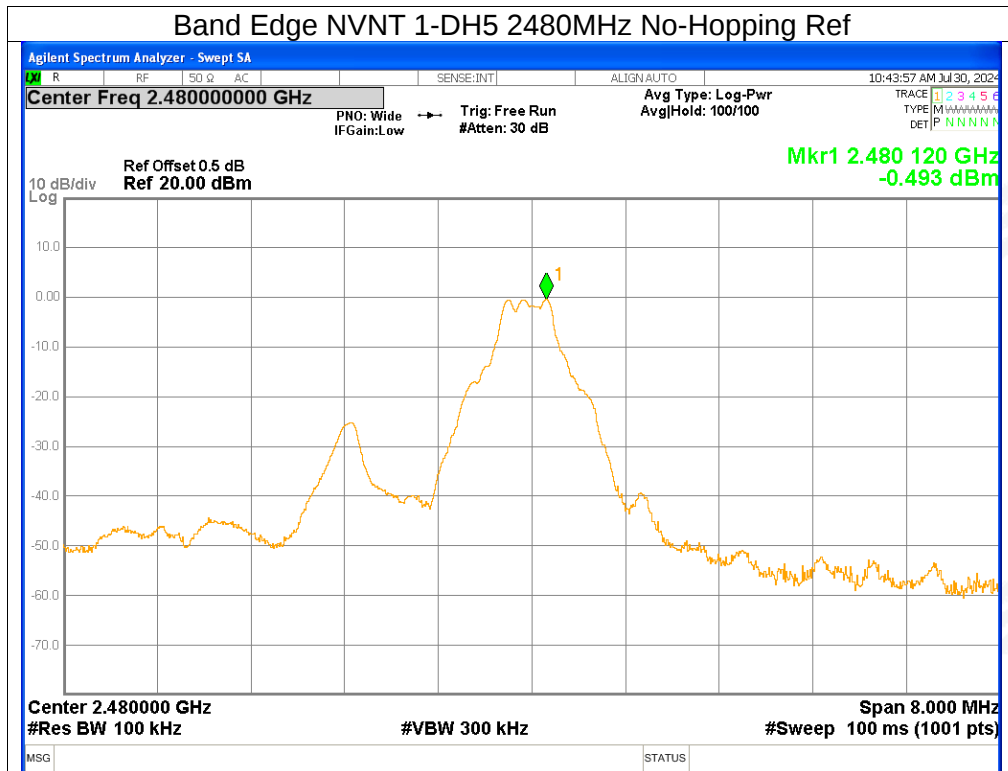


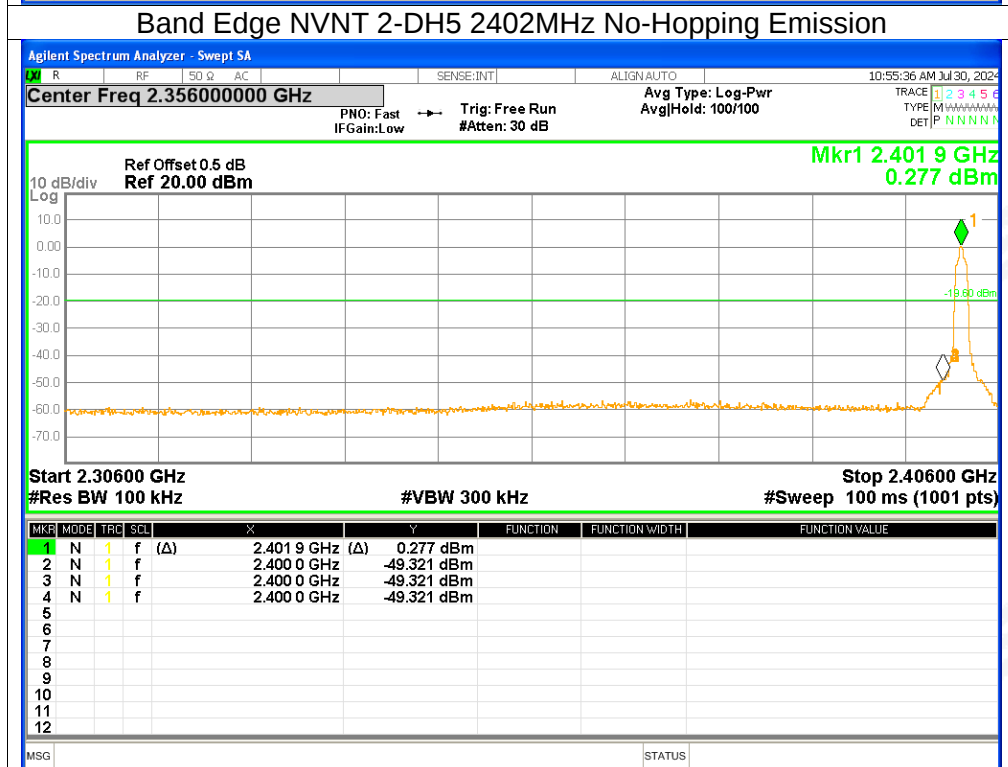
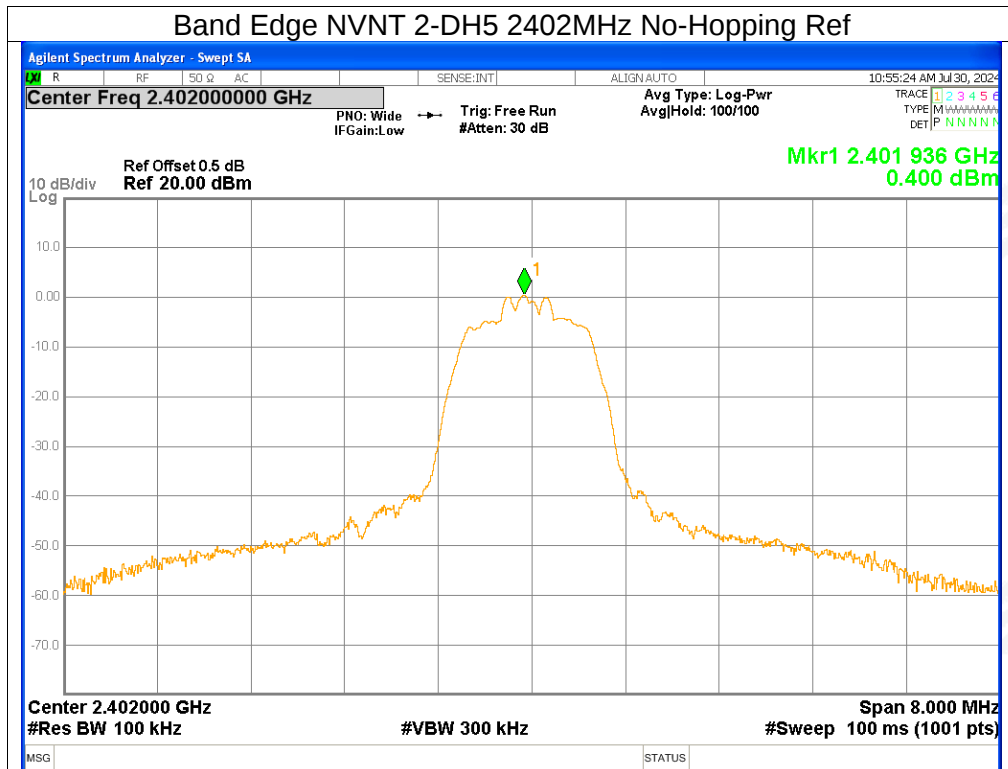


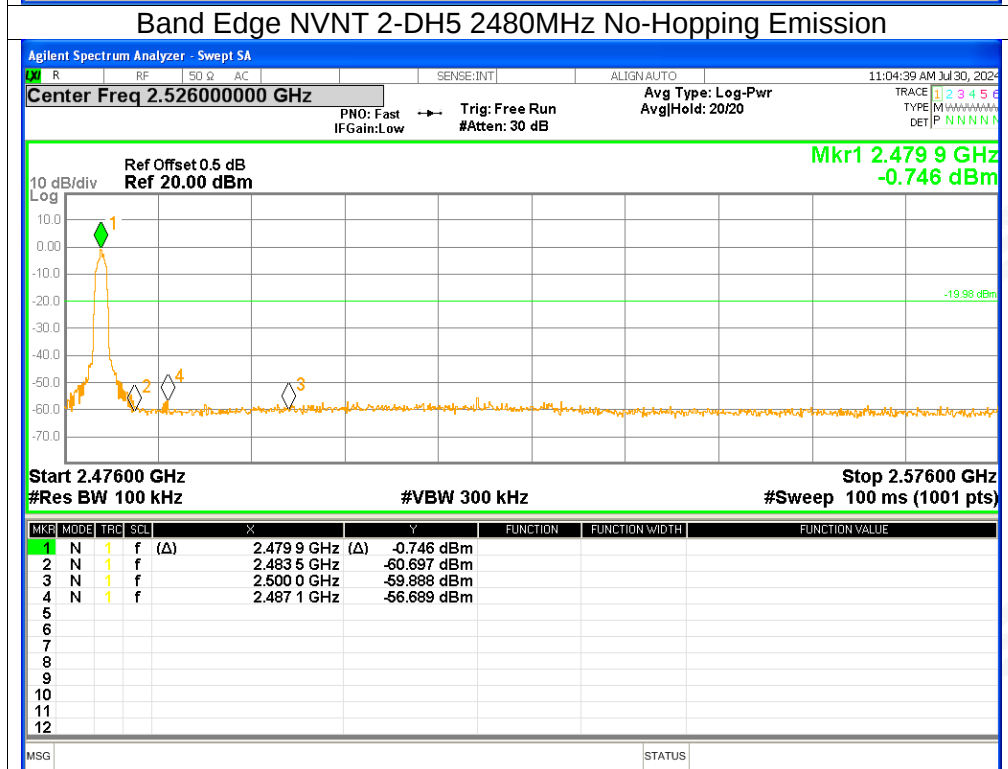
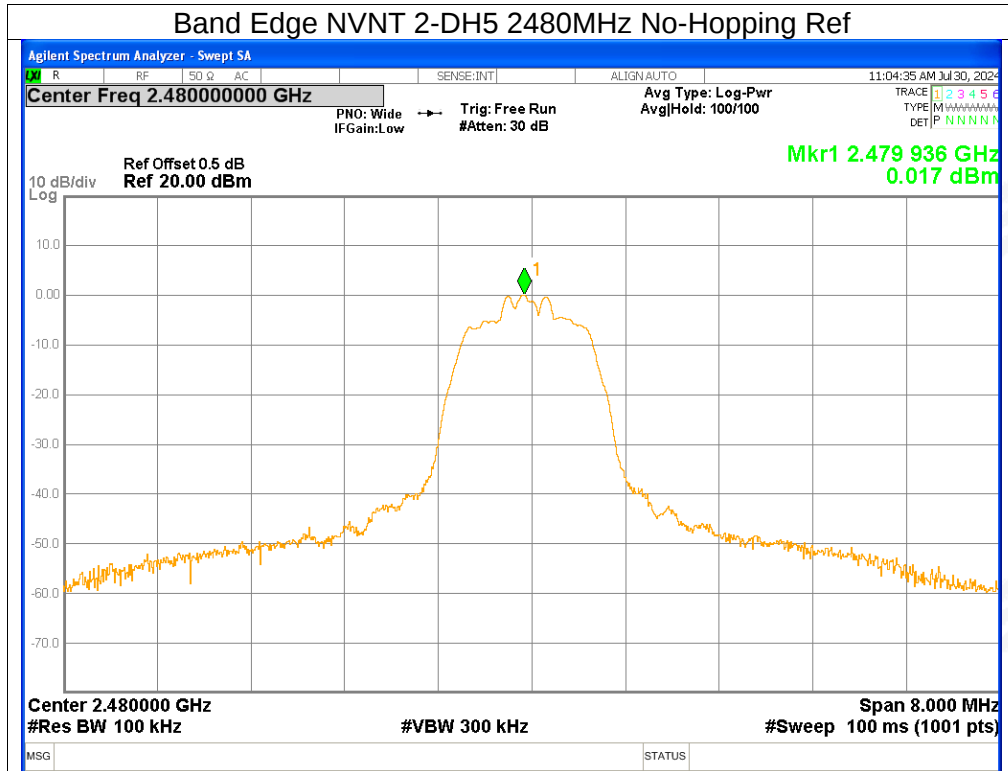
## 6. Band Edge

| Condition | Mode  | Frequency (MHz) | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | No-Hopping   | -45.04          | $\leq -20$  | Pass    |
| NVNT      | 1-DH5 | 2480            | No-Hopping   | -55.41          | $\leq -20$  | Pass    |
| NVNT      | 2-DH5 | 2402            | No-Hopping   | -49.72          | $\leq -20$  | Pass    |
| NVNT      | 2-DH5 | 2480            | No-Hopping   | -56.7           | $\leq -20$  | Pass    |
| NVNT      | 3-DH5 | 2402            | No-Hopping   | -50.73          | $\leq -20$  | Pass    |
| NVNT      | 3-DH5 | 2480            | No-Hopping   | -57.29          | $\leq -20$  | Pass    |

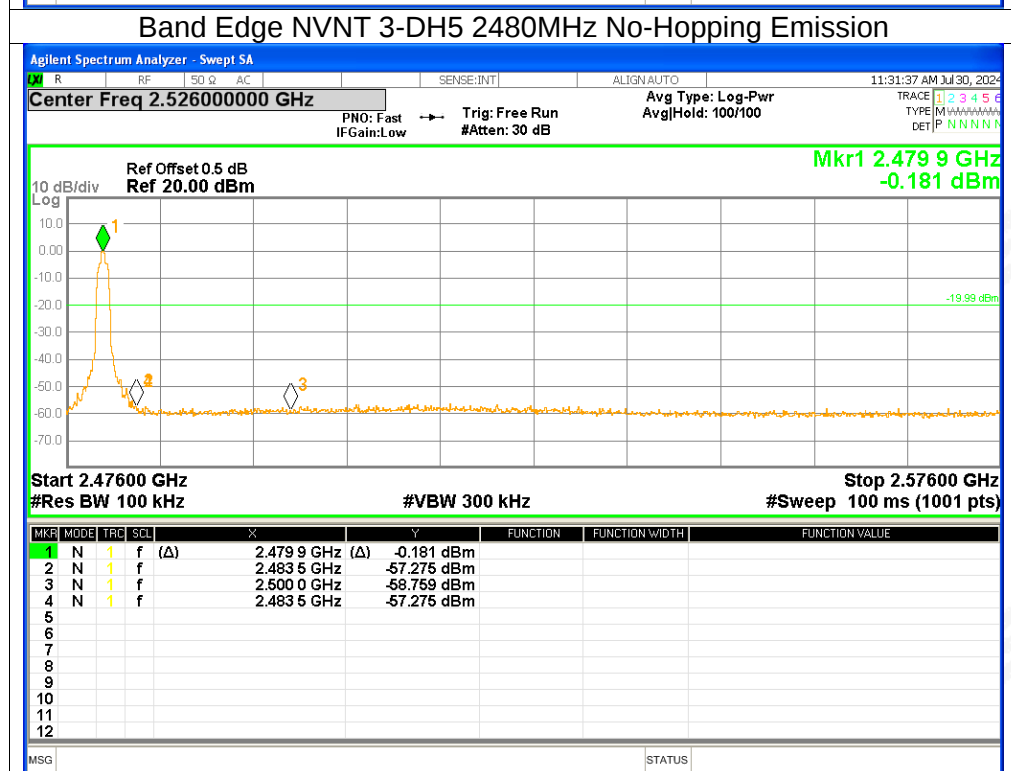
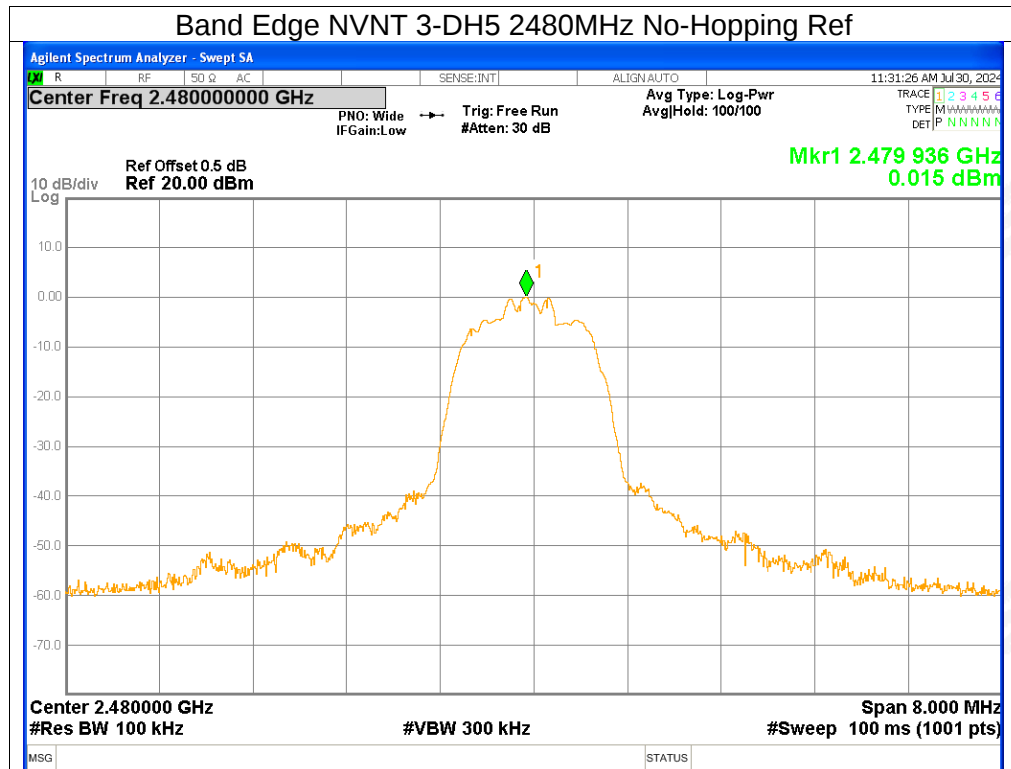














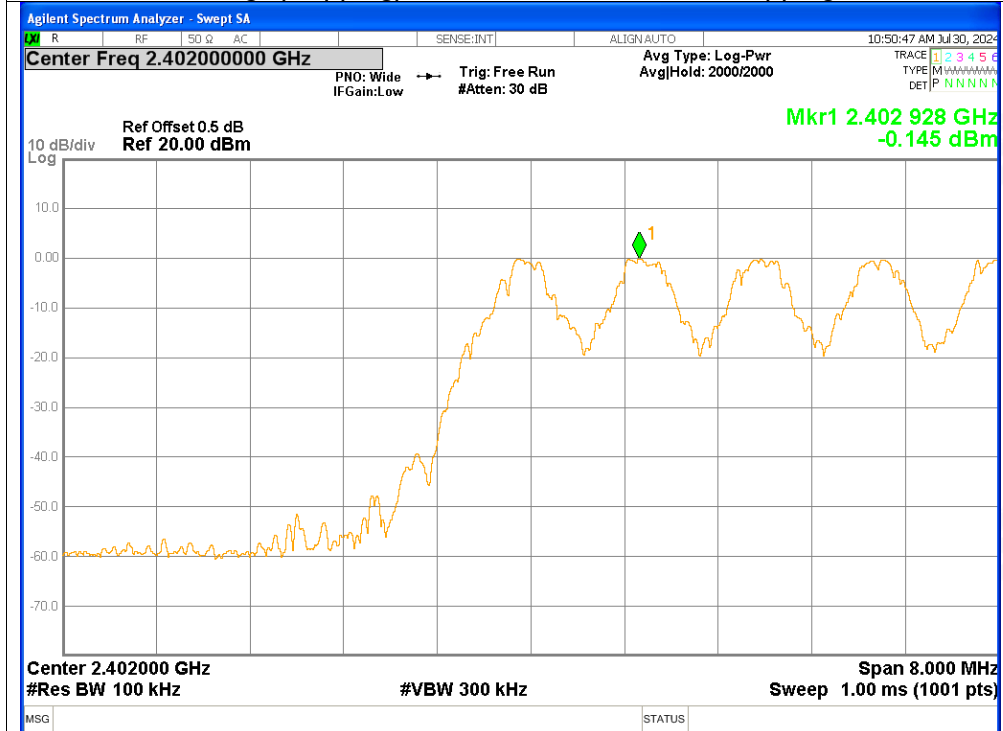
## 7. Band Edge(Hopping)

| Condition | Mode  | Frequency (MHz) | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Hopping      | -56.21          | $\leq -20$  | Pass    |
| NVNT      | 1-DH5 | 2480            | Hopping      | -56.42          | $\leq -20$  | Pass    |
| NVNT      | 2-DH5 | 2402            | Hopping      | -56.01          | $\leq -20$  | Pass    |
| NVNT      | 2-DH5 | 2480            | Hopping      | -56             | $\leq -20$  | Pass    |
| NVNT      | 3-DH5 | 2402            | Hopping      | -56.41          | $\leq -20$  | Pass    |
| NVNT      | 3-DH5 | 2480            | Hopping      | -55.38          | $\leq -20$  | Pass    |

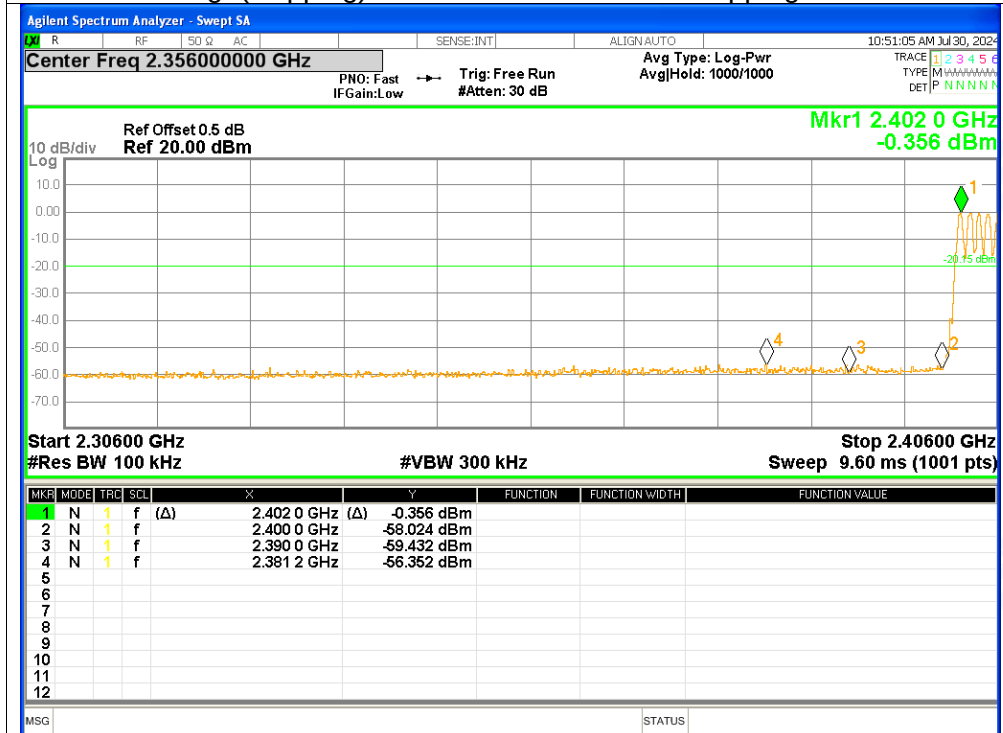


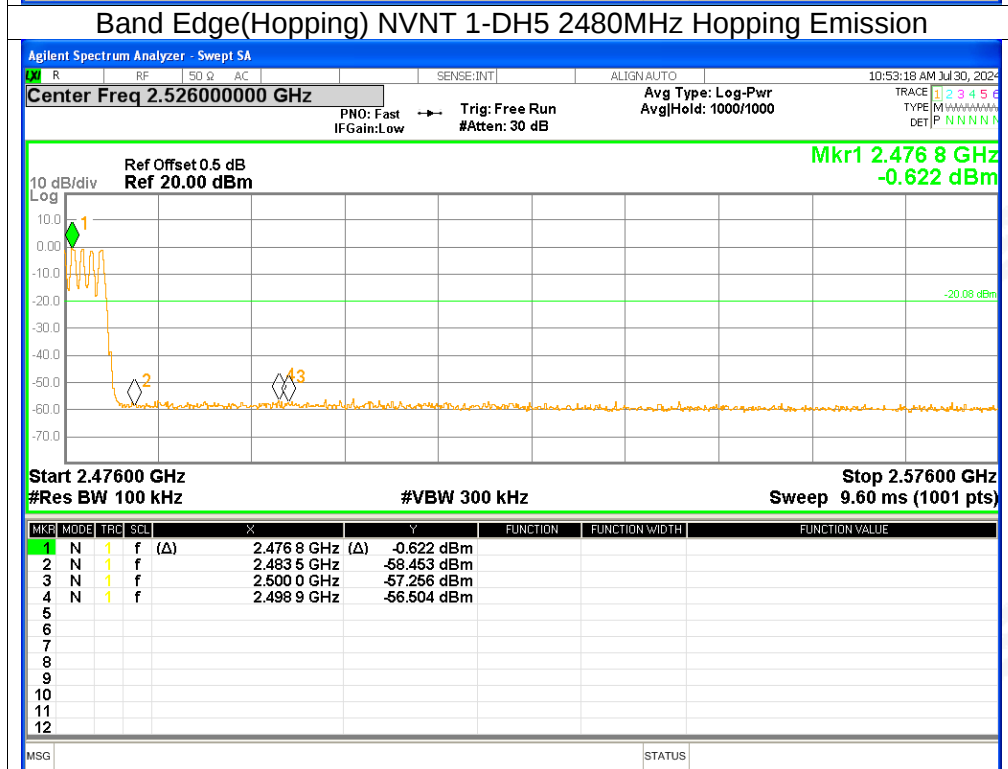
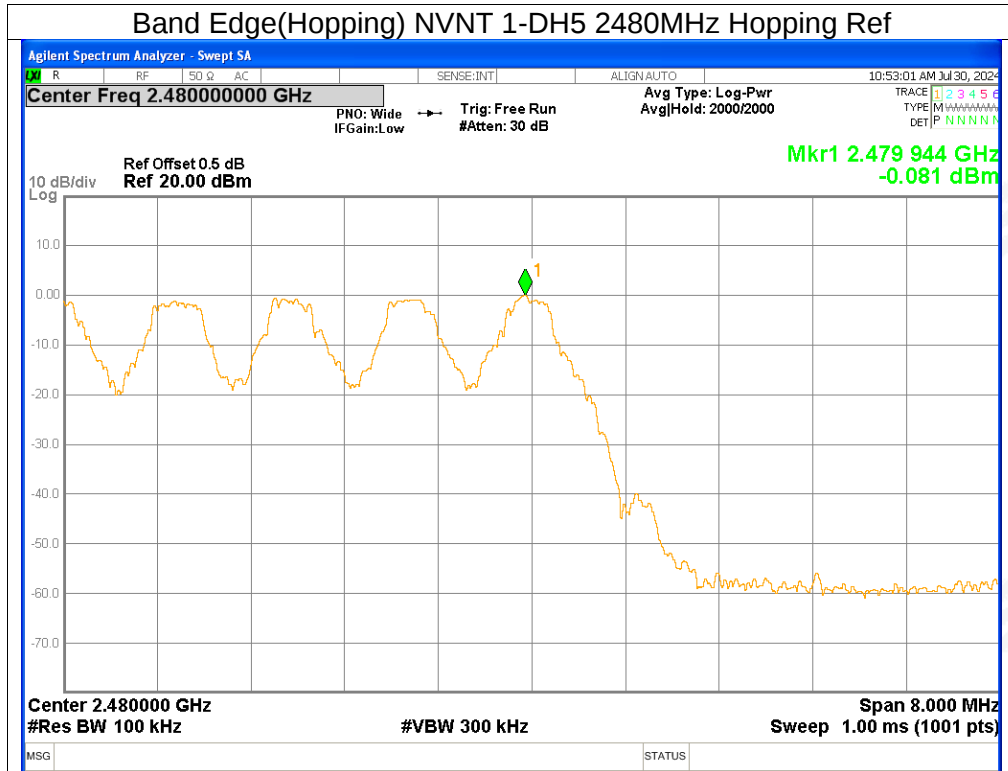
## Test Graphs

## Band Edge(Hopping) NVNT 1-DH5 2402MHz Hopping Ref



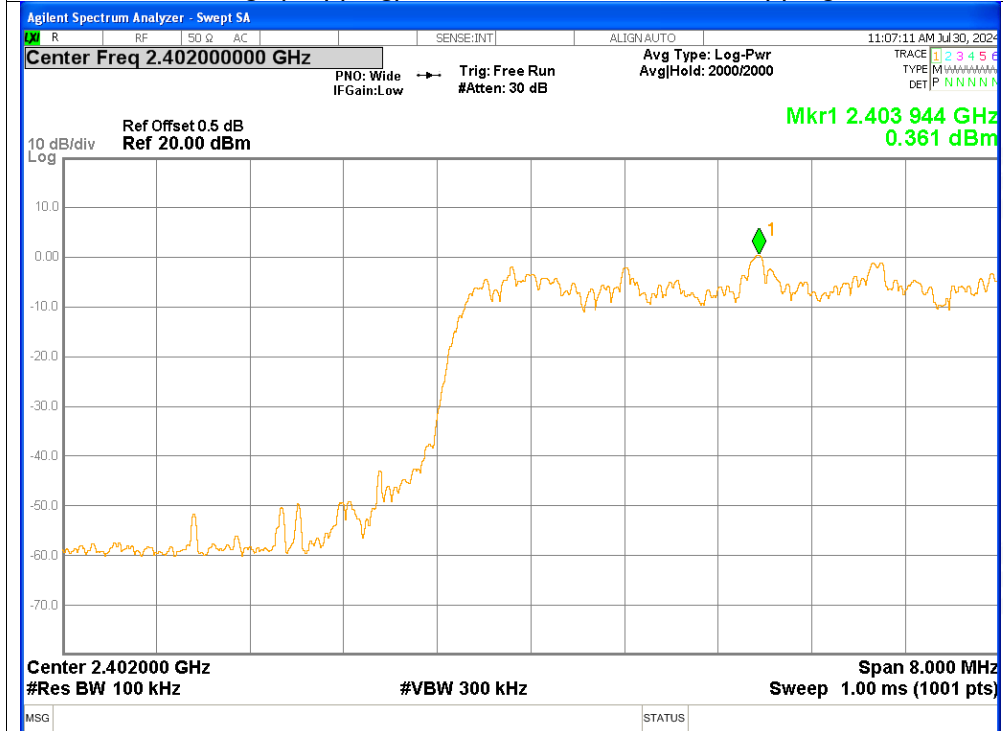
## Band Edge(Hopping) NVNT 1-DH5 2402MHz Hopping Emission



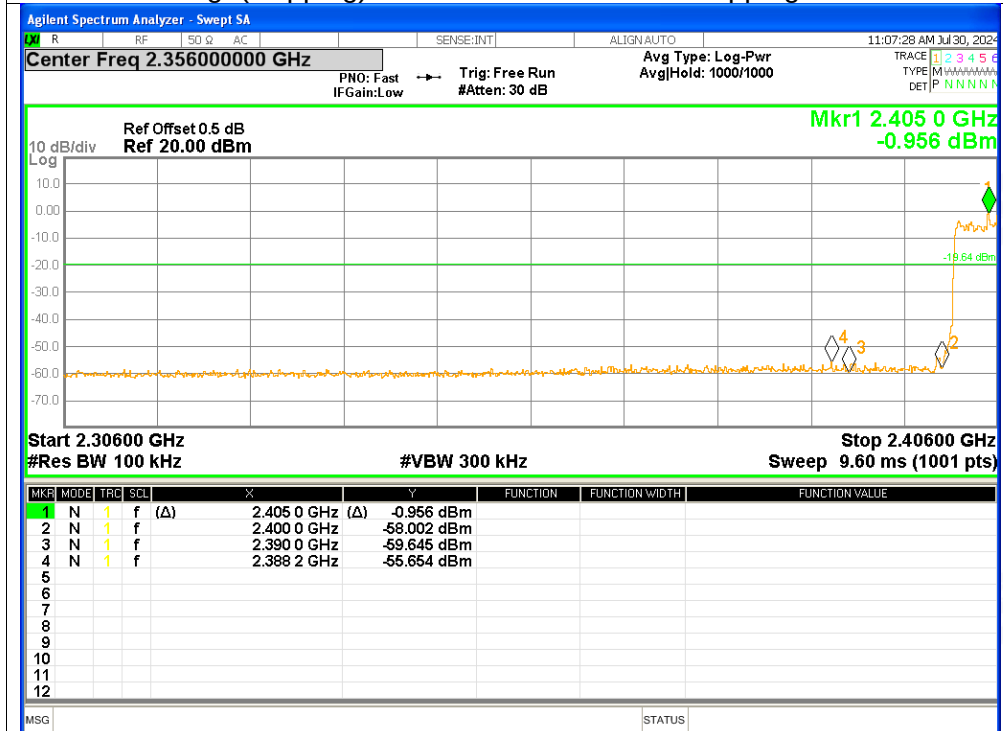




## Band Edge(Hopping) NVNT 2-DH5 2402MHz Hopping Ref

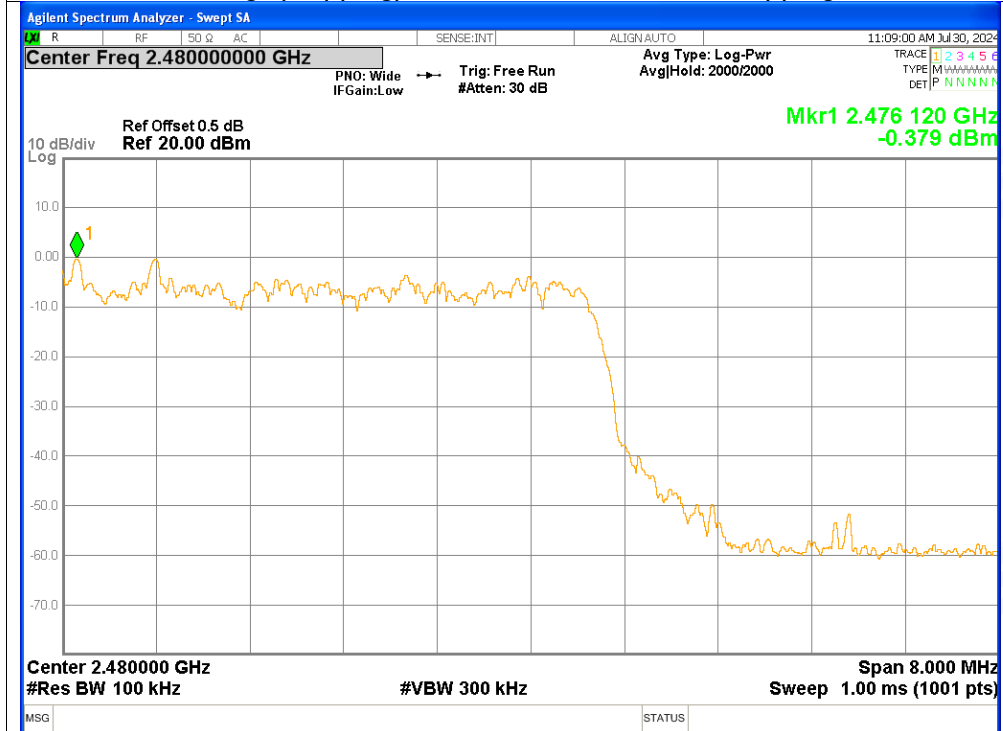


## Band Edge(Hopping) NVNT 2-DH5 2402MHz Hopping Emission

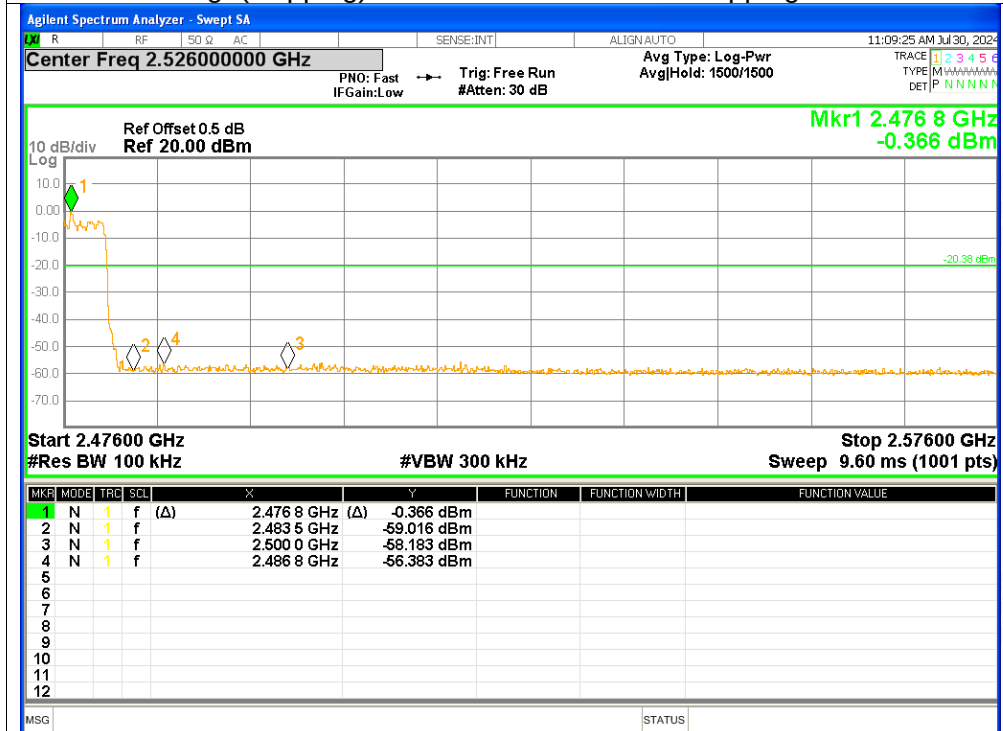




## Band Edge(Hopping) NVNT 2-DH5 2480MHz Hopping Ref

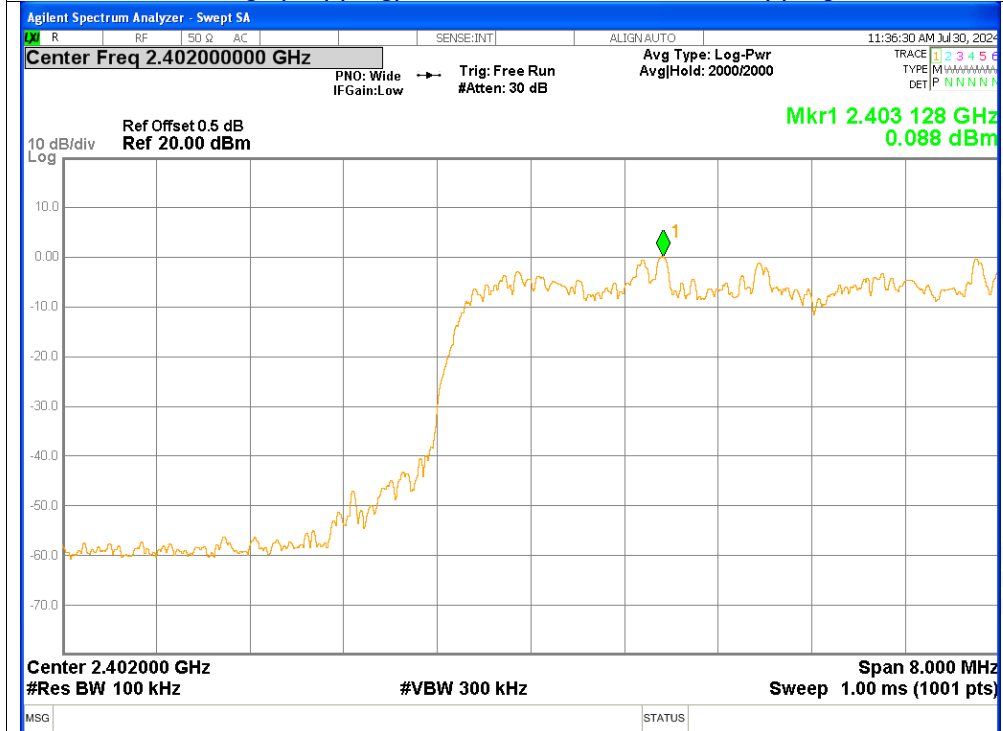


## Band Edge(Hopping) NVNT 2-DH5 2480MHz Hopping Emission

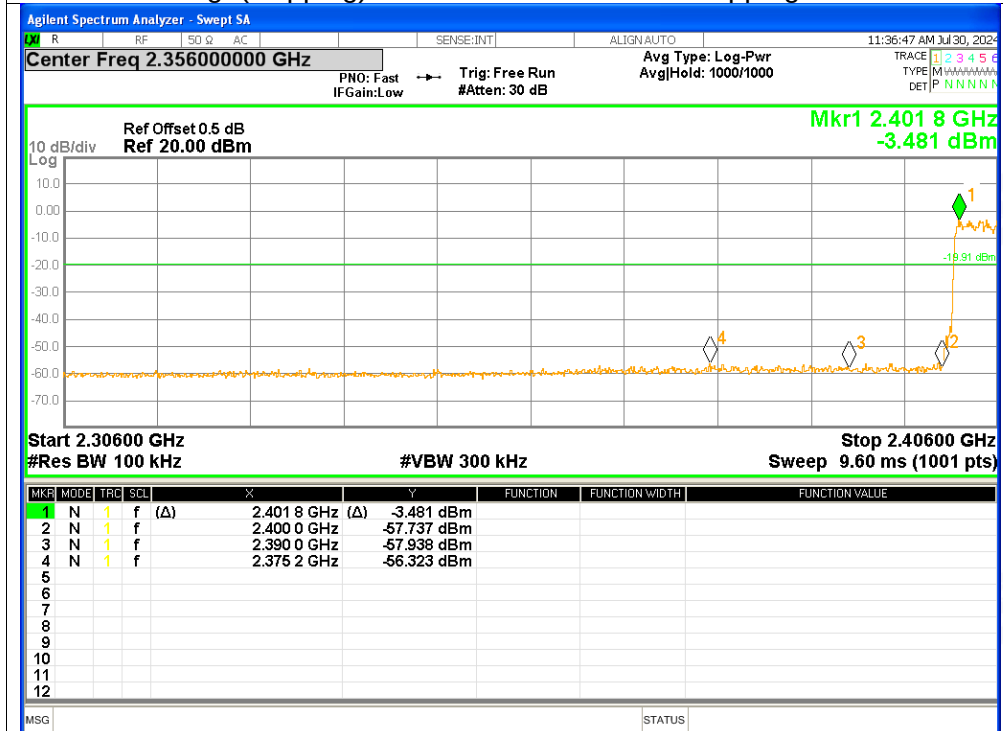




## Band Edge(Hopping) NVNT 3-DH5 2402MHz Hopping Ref

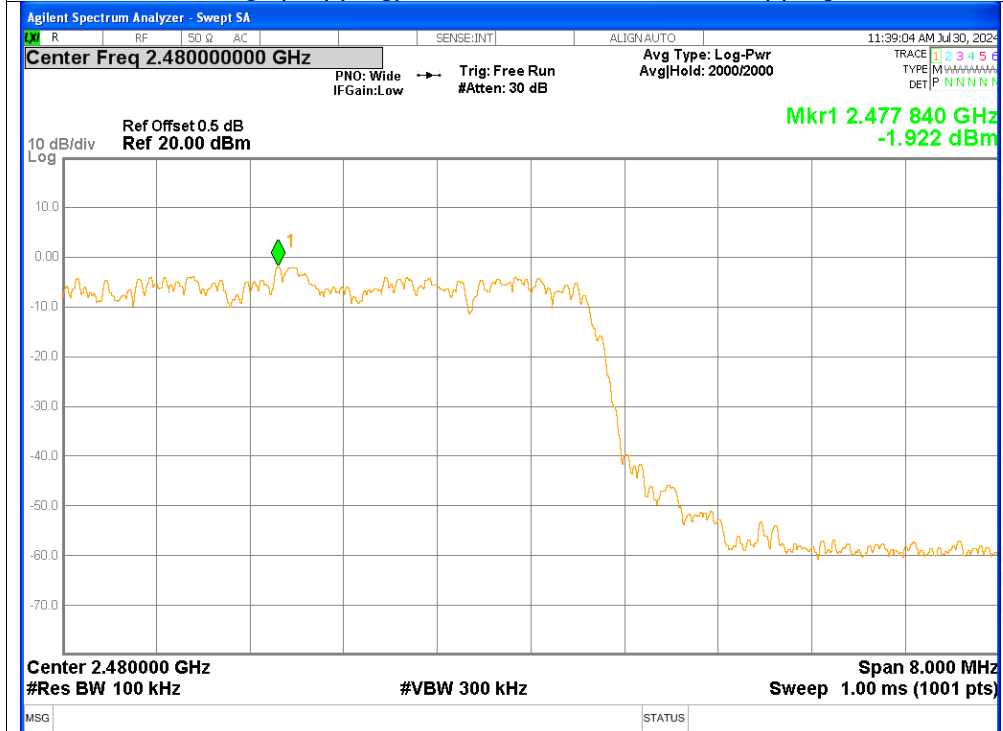


## Band Edge(Hopping) NVNT 3-DH5 2402MHz Hopping Emission

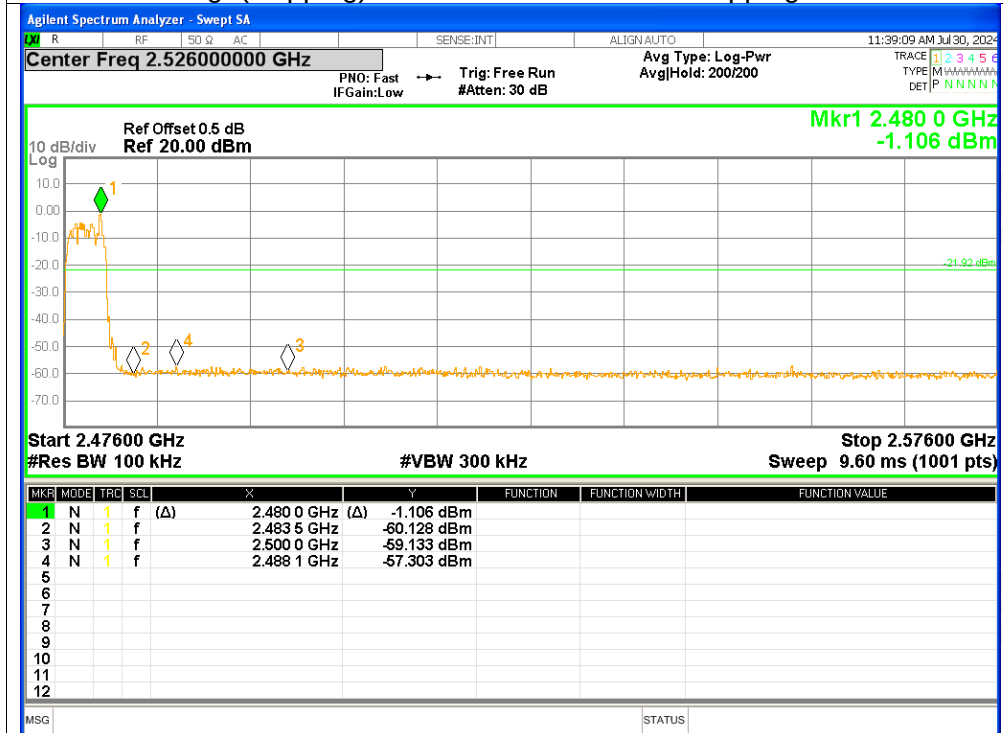




## Band Edge(Hopping) NVNT 3-DH5 2480MHz Hopping Ref



## Band Edge(Hopping) NVNT 3-DH5 2480MHz Hopping Emission





## 8. Conducted RF Spurious Emission

| Condition | Mode  | Frequency (MHz) | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | -43.78          | $\leq -20$  | Pass    |
| NVNT      | 1-DH5 | 2441            | -39.95          | $\leq -20$  | Pass    |
| NVNT      | 1-DH5 | 2480            | -46.76          | $\leq -20$  | Pass    |
| NVNT      | 2-DH5 | 2402            | -35.24          | $\leq -20$  | Pass    |
| NVNT      | 2-DH5 | 2441            | -37.48          | $\leq -20$  | Pass    |
| NVNT      | 2-DH5 | 2480            | -41.76          | $\leq -20$  | Pass    |
| NVNT      | 3-DH5 | 2402            | -39.81          | $\leq -20$  | Pass    |
| NVNT      | 3-DH5 | 2441            | -41.99          | $\leq -20$  | Pass    |
| NVNT      | 3-DH5 | 2480            | -43.69          | $\leq -20$  | Pass    |

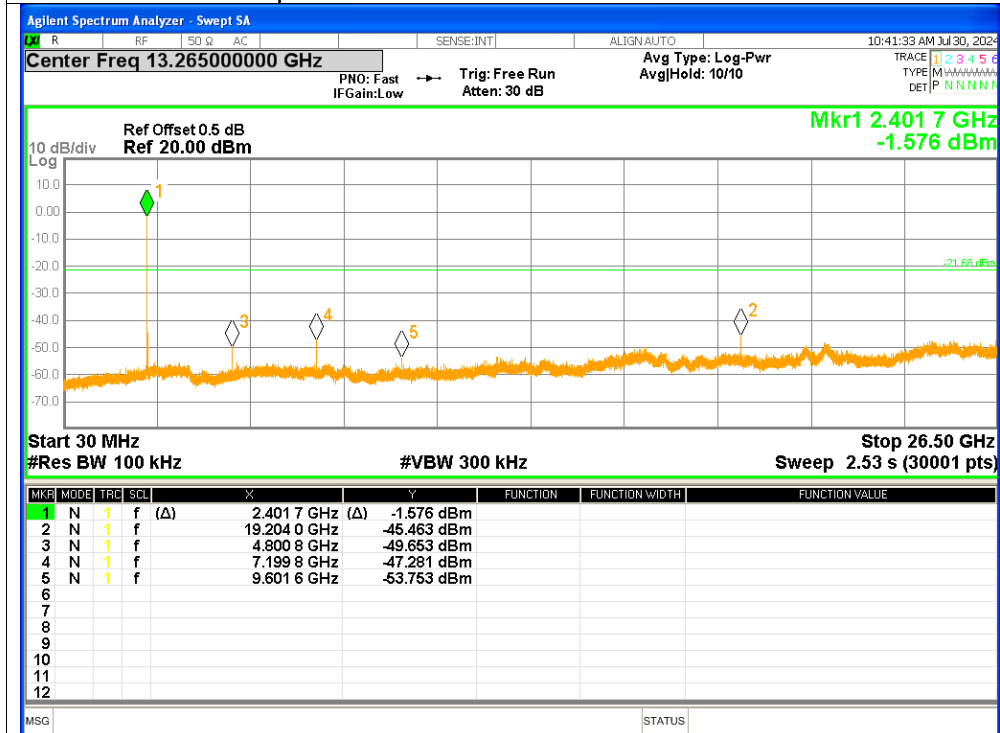


## Test Graphs

## Tx. Spurious NVNT 1-DH5 2402MHz Ref



## Tx. Spurious NVNT 1-DH5 2402MHz Emission

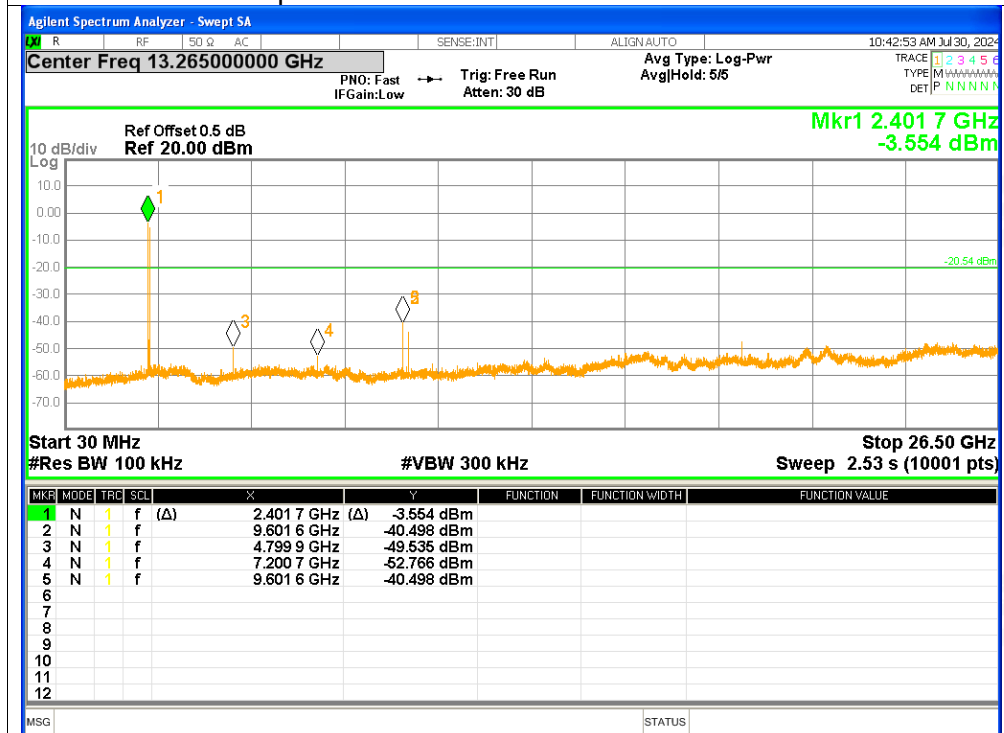




## Tx. Spurious NVNT 1-DH5 2441MHz Ref



## Tx. Spurious NVNT 1-DH5 2441MHz Emission

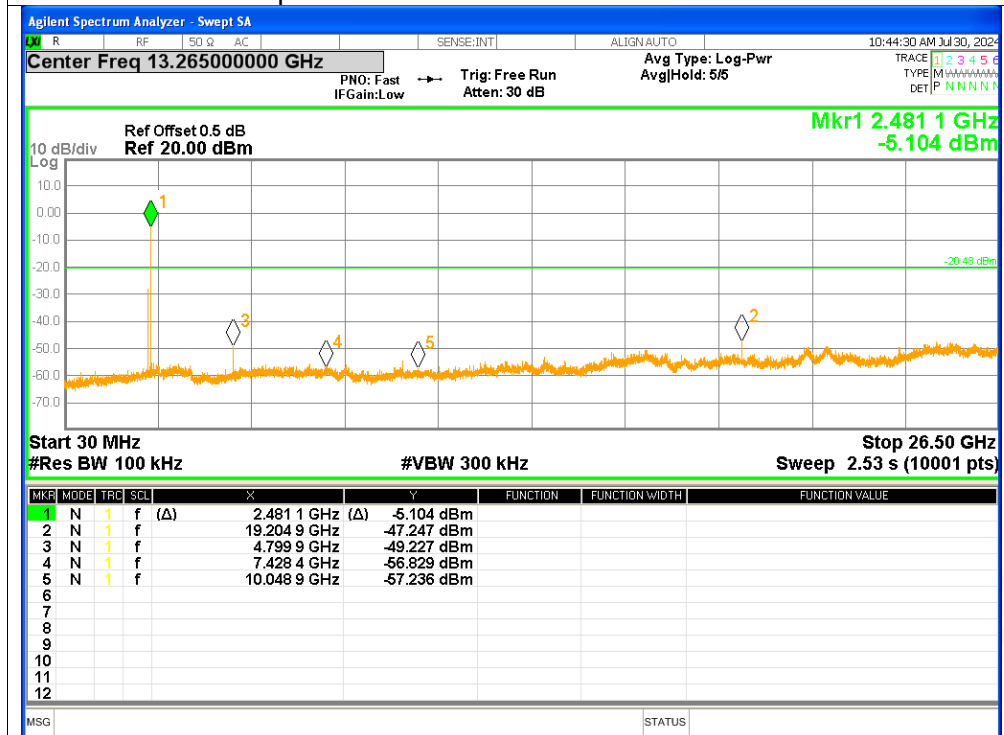


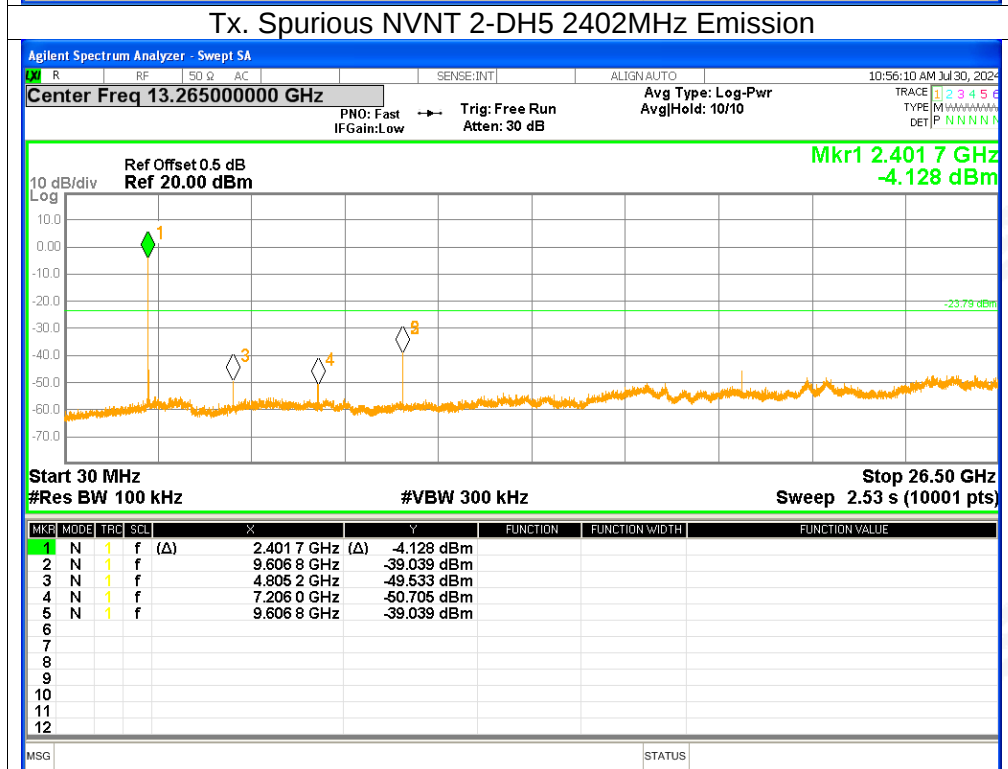
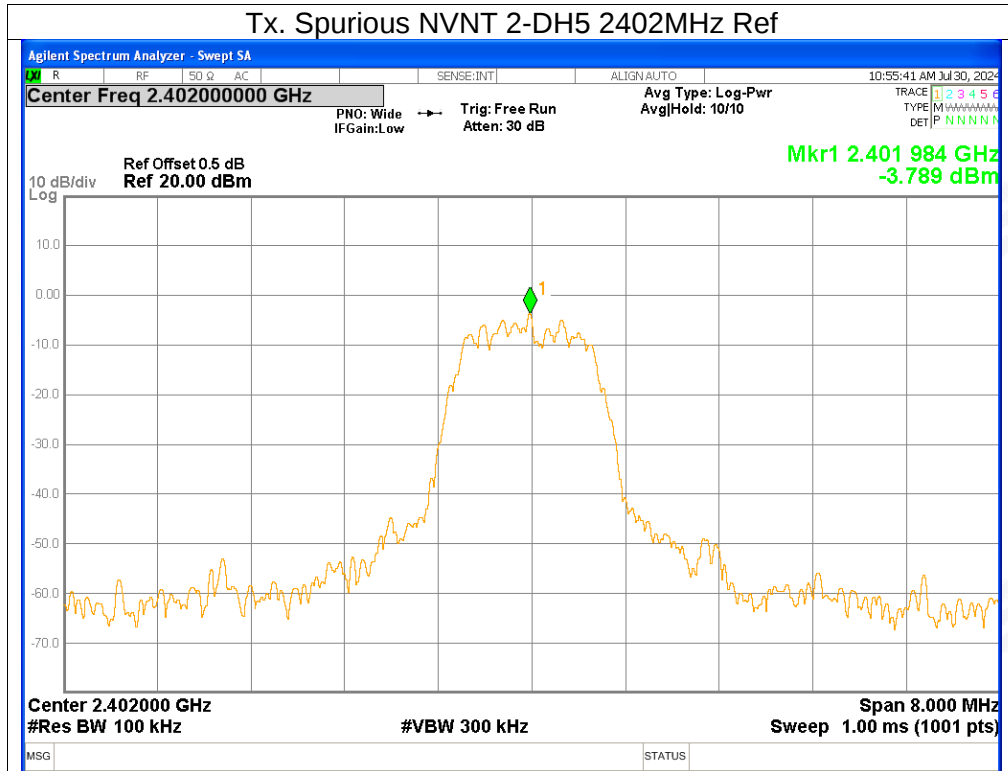


## Tx. Spurious NVNT 1-DH5 2480MHz Ref



## Tx. Spurious NVNT 1-DH5 2480MHz Emission



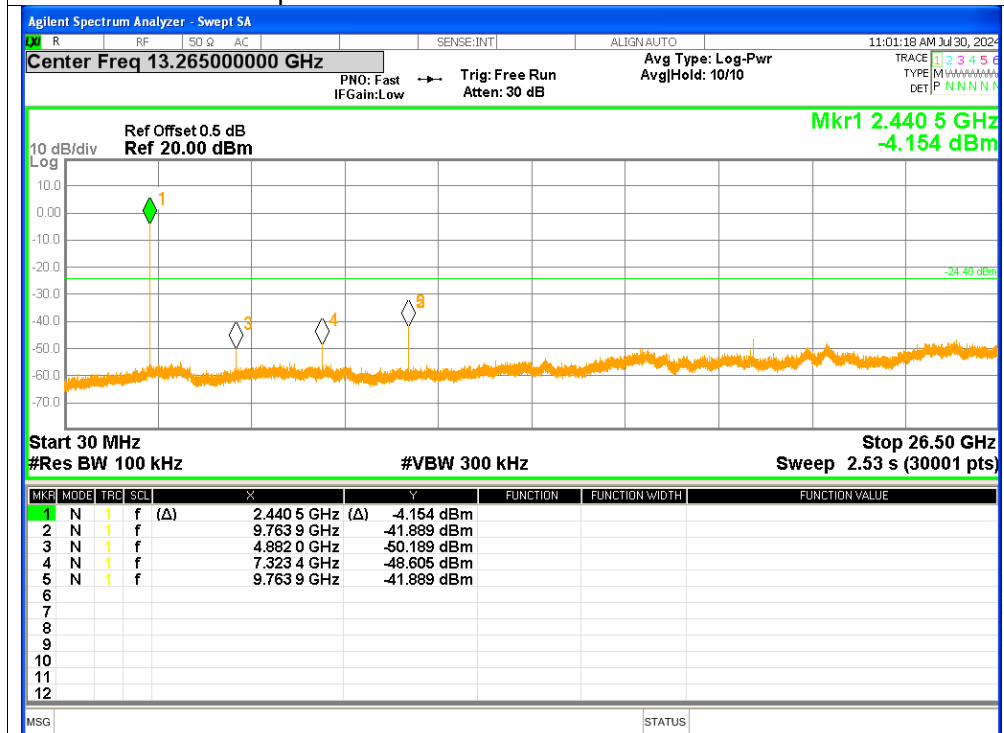




## Tx. Spurious NVNT 2-DH5 2441MHz Ref

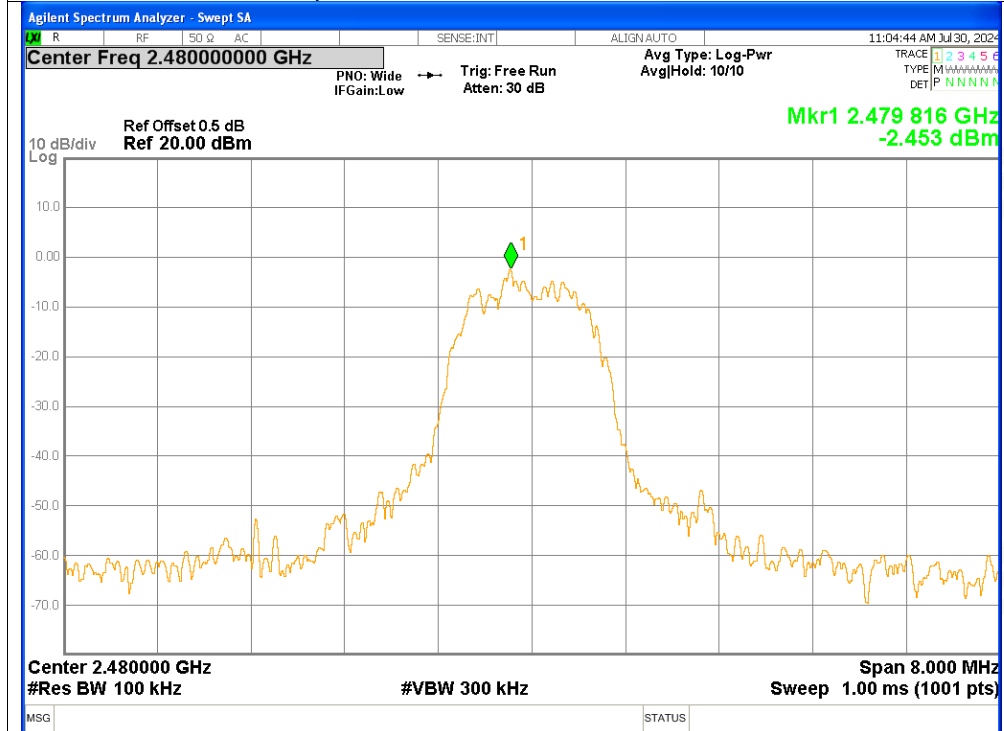


## Tx. Spurious NVNT 2-DH5 2441MHz Emission

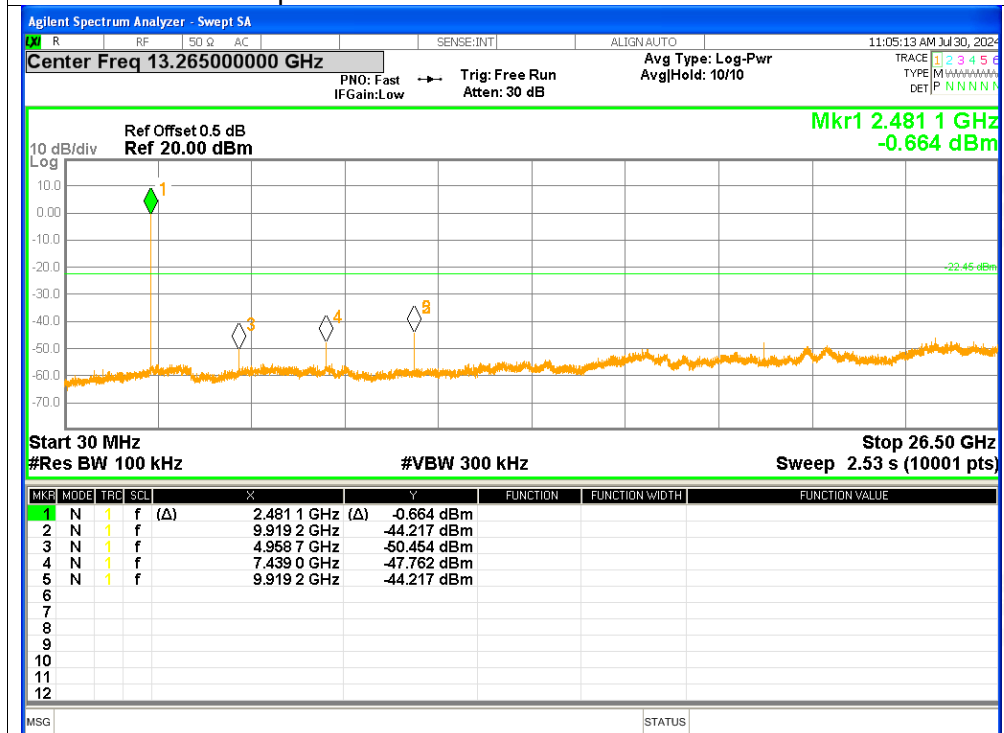




## Tx. Spurious NVNT 2-DH5 2480MHz Ref

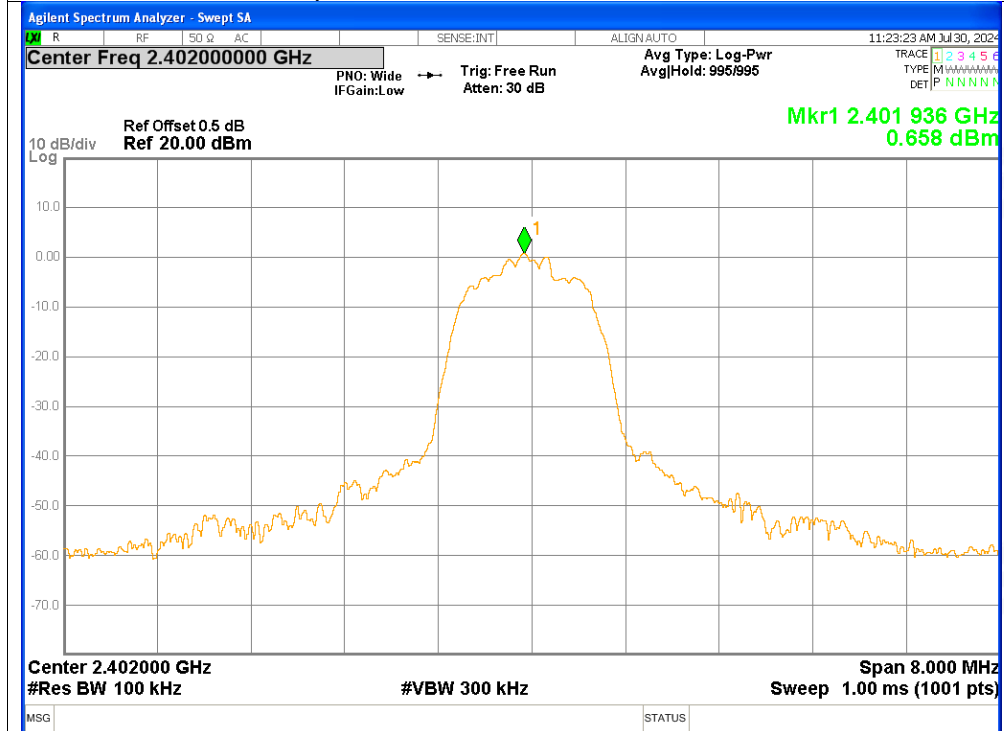


## Tx. Spurious NVNT 2-DH5 2480MHz Emission

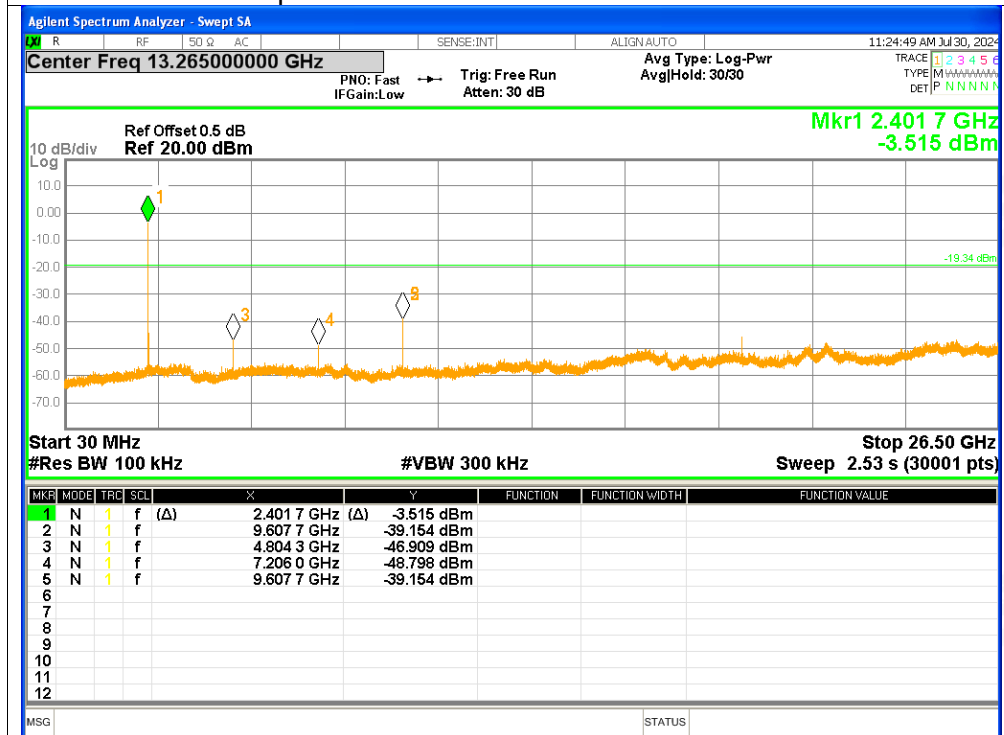




## Tx. Spurious NVNT 3-DH5 2402MHz Ref



## Tx. Spurious NVNT 3-DH5 2402MHz Emission

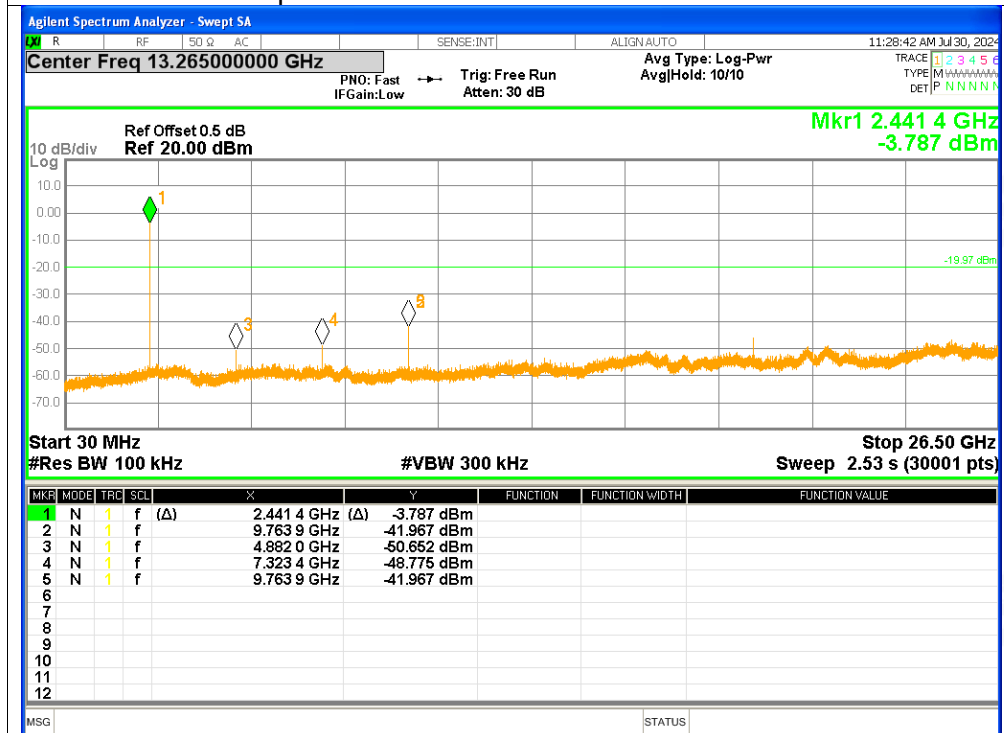




## Tx. Spurious NVNT 3-DH5 2441MHz Ref



## Tx. Spurious NVNT 3-DH5 2441MHz Emission

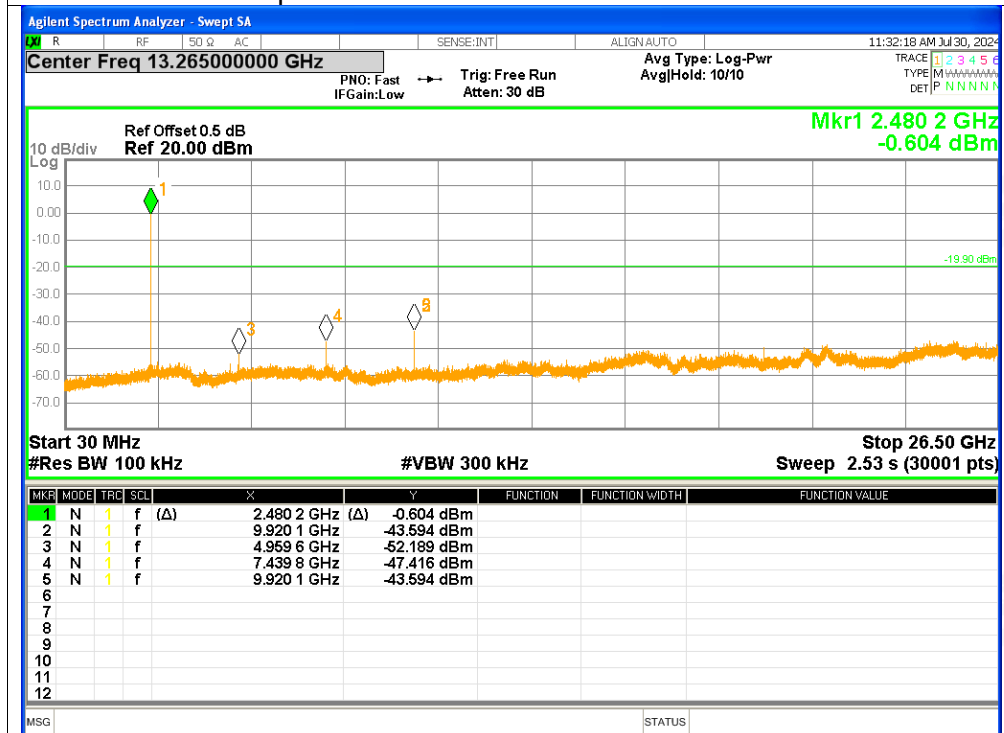




## Tx. Spurious NVNT 3-DH5 2480MHz Ref



## Tx. Spurious NVNT 3-DH5 2480MHz Emission





## APPENDIX 2-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

\*\*\*\*\*END OF THE REPORT\*\*\*\*\*