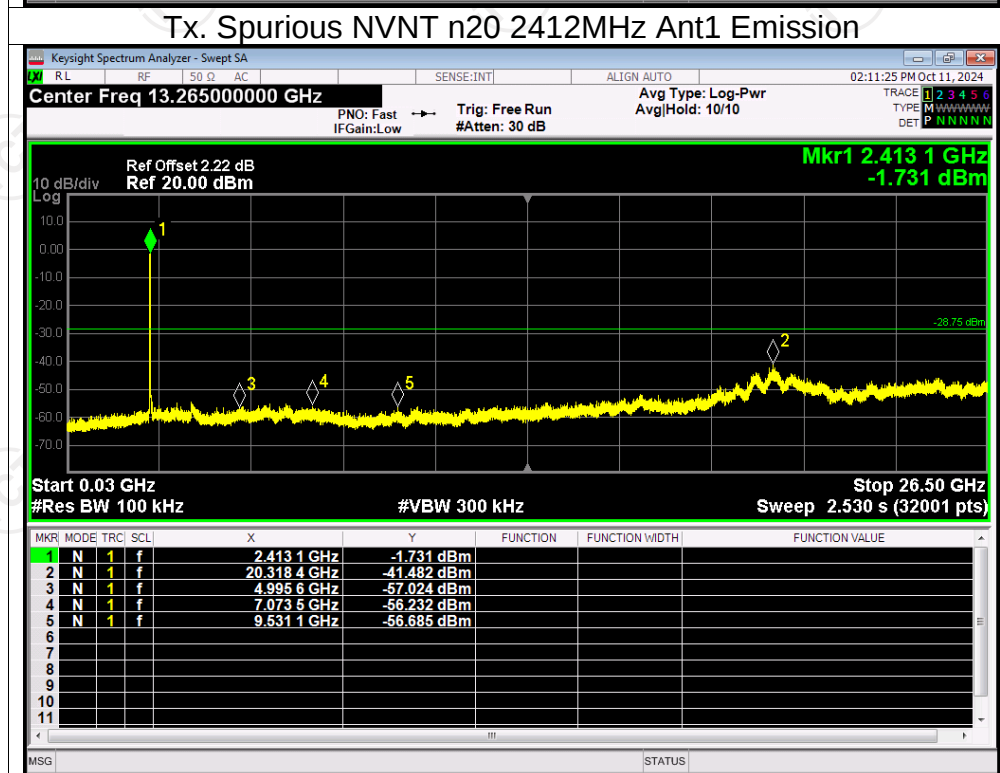
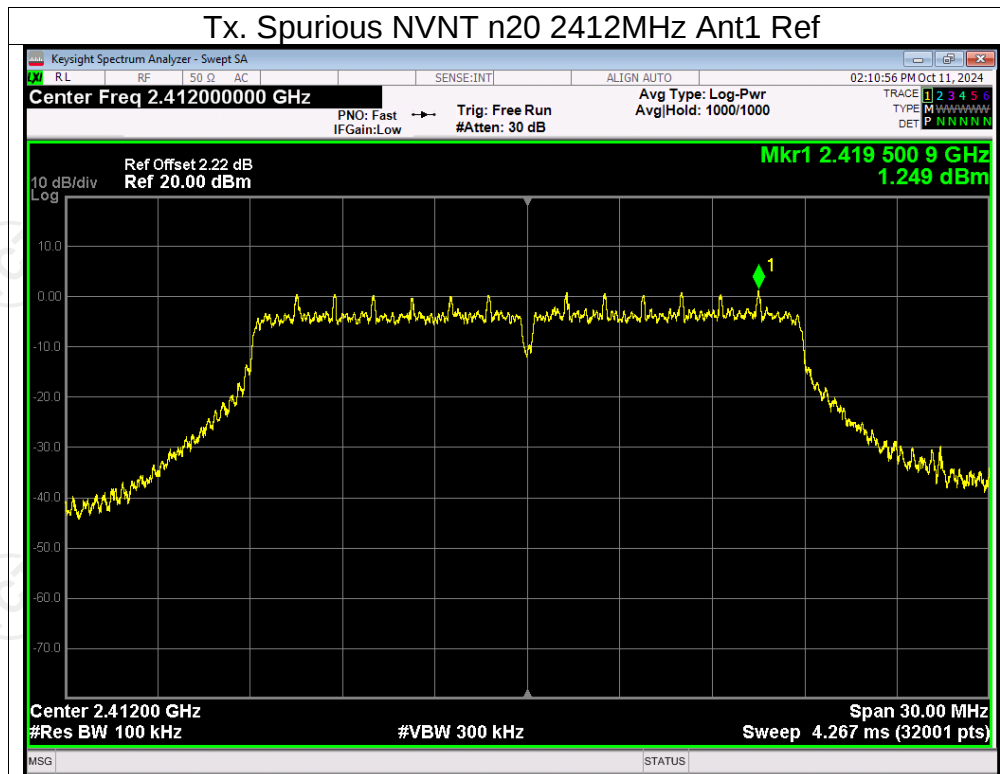
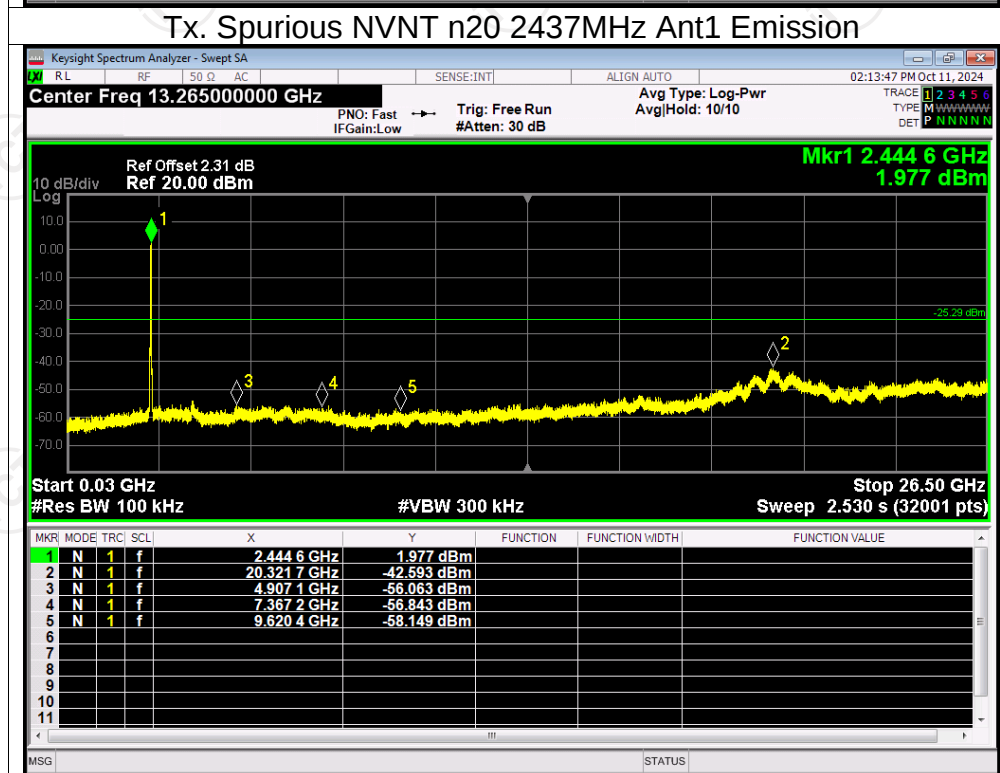
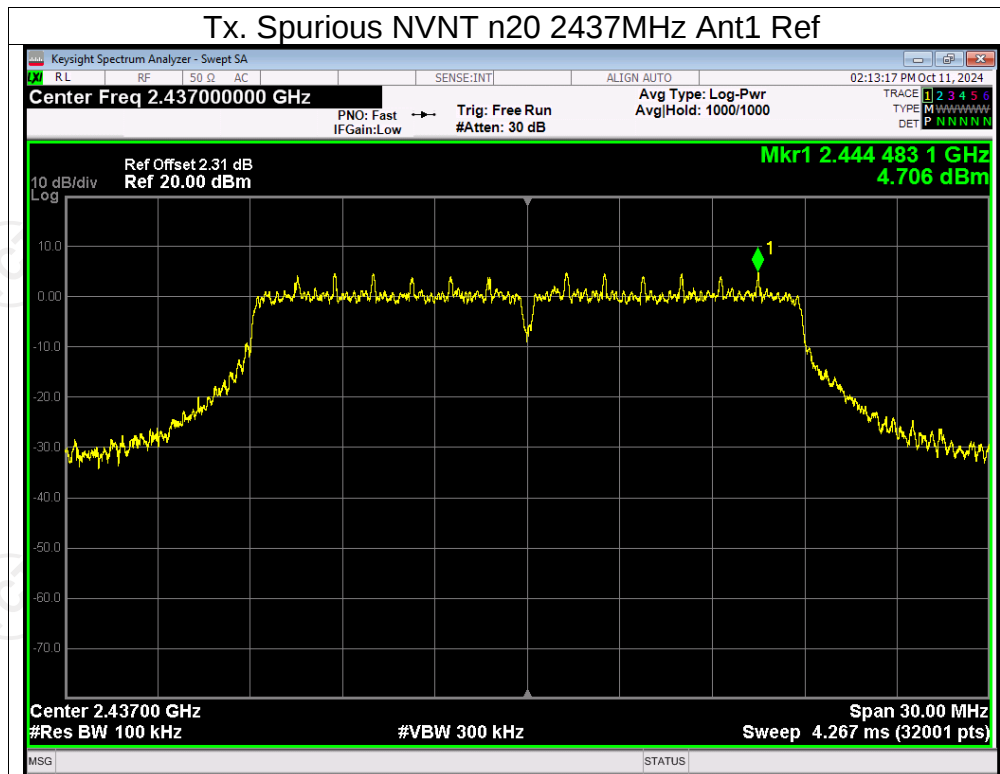
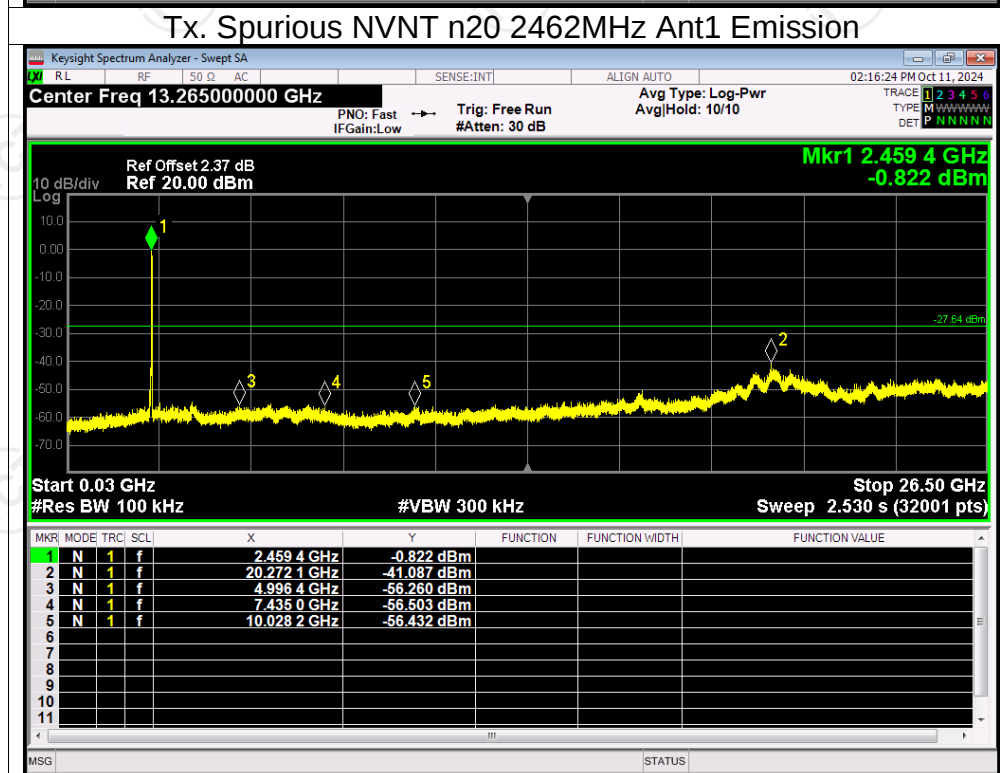
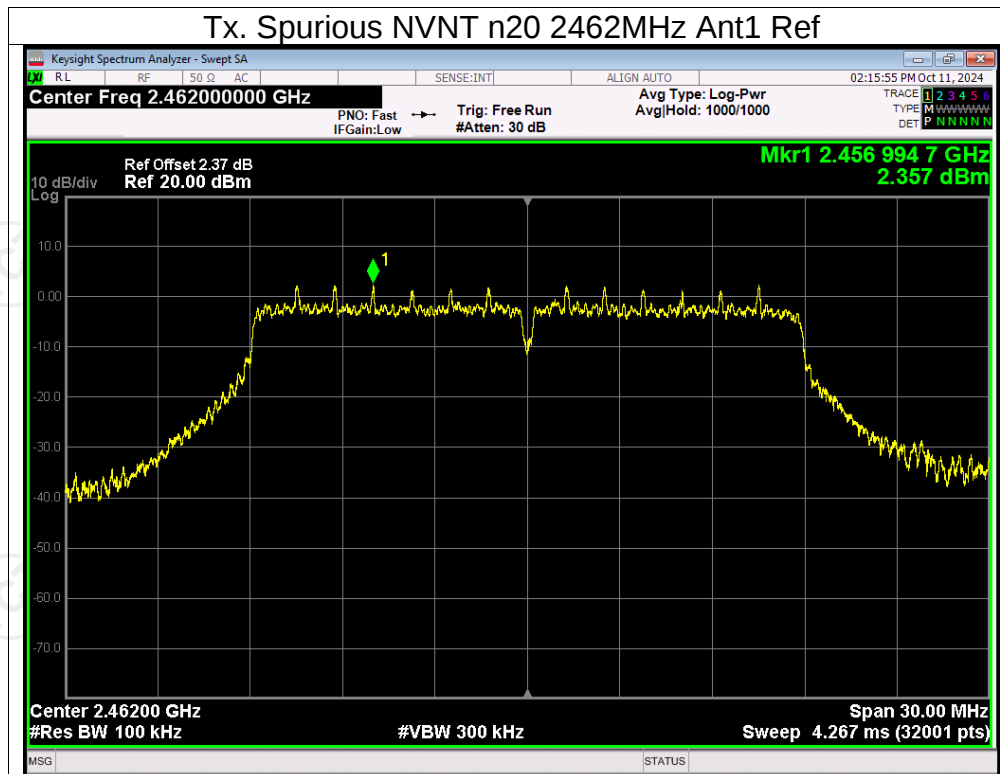
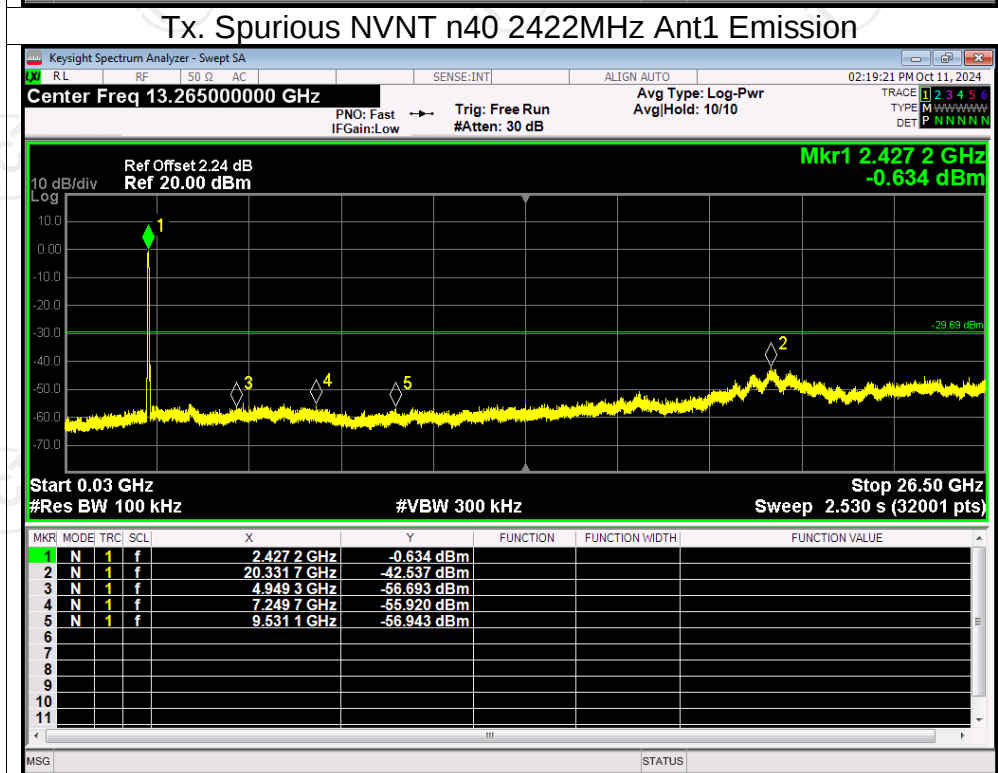
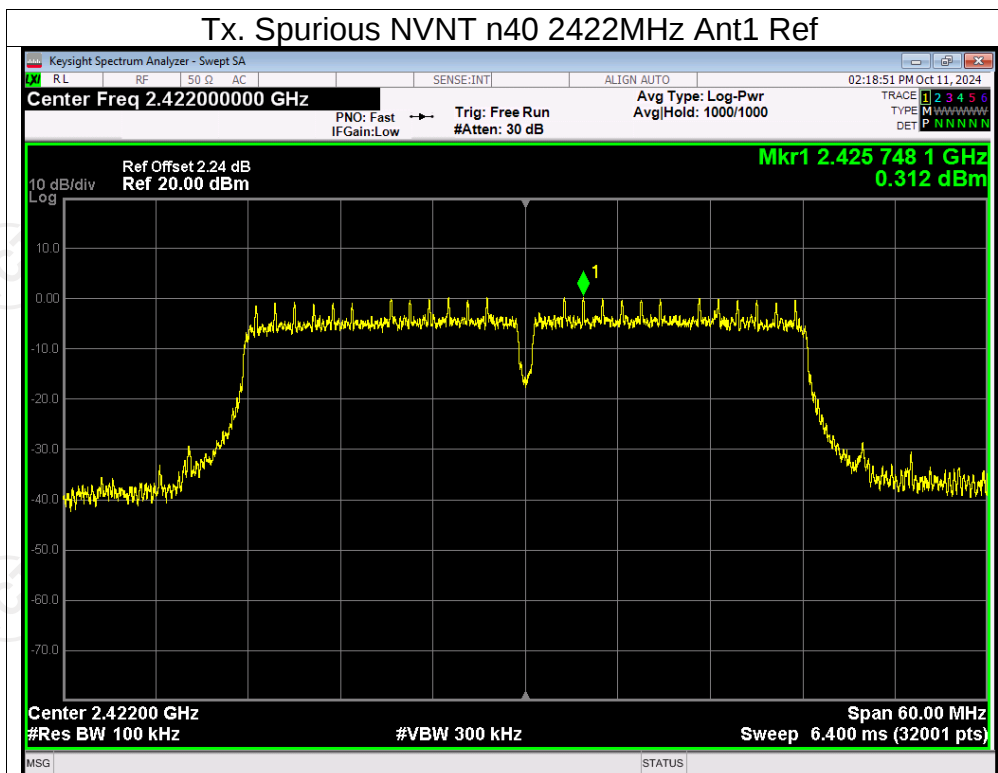
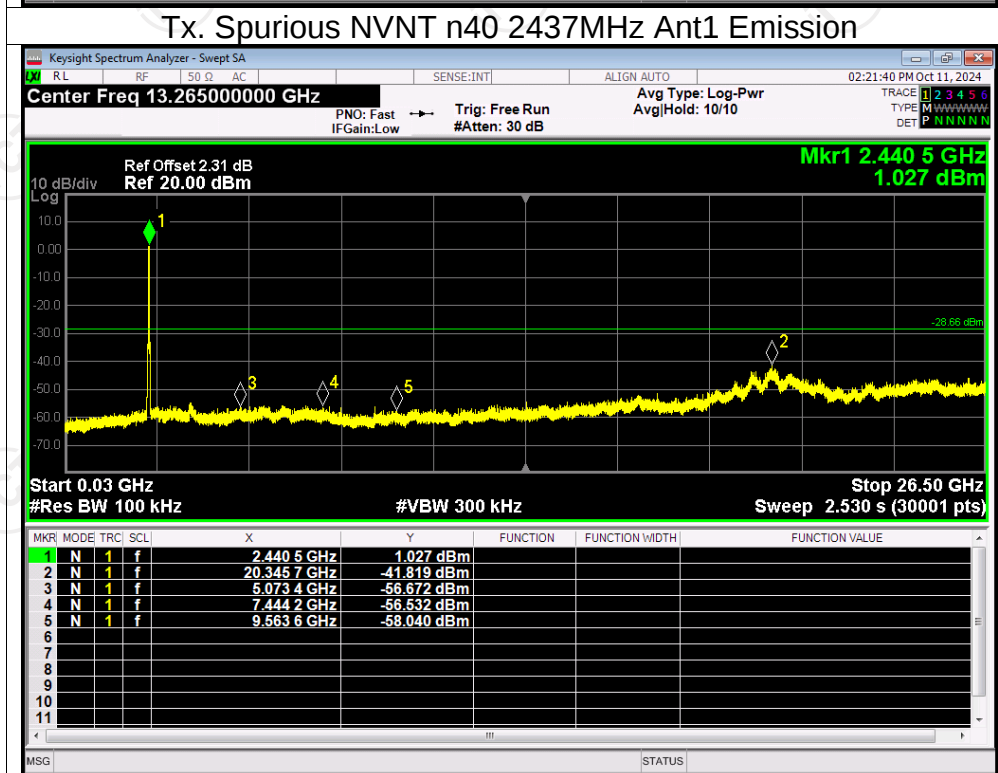
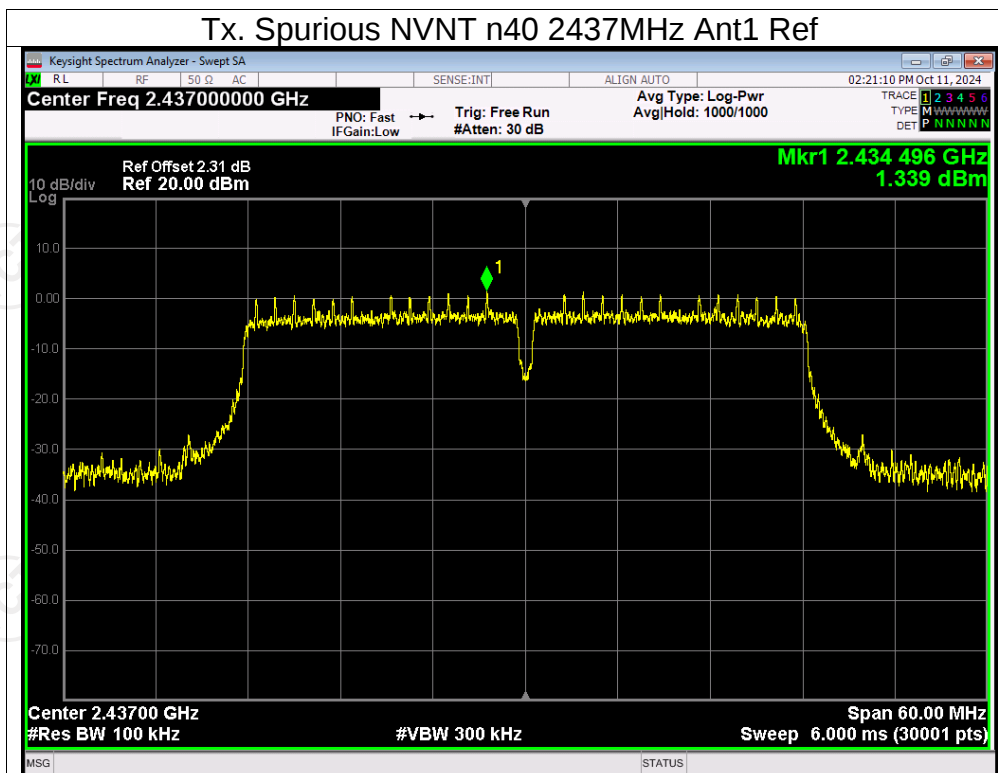


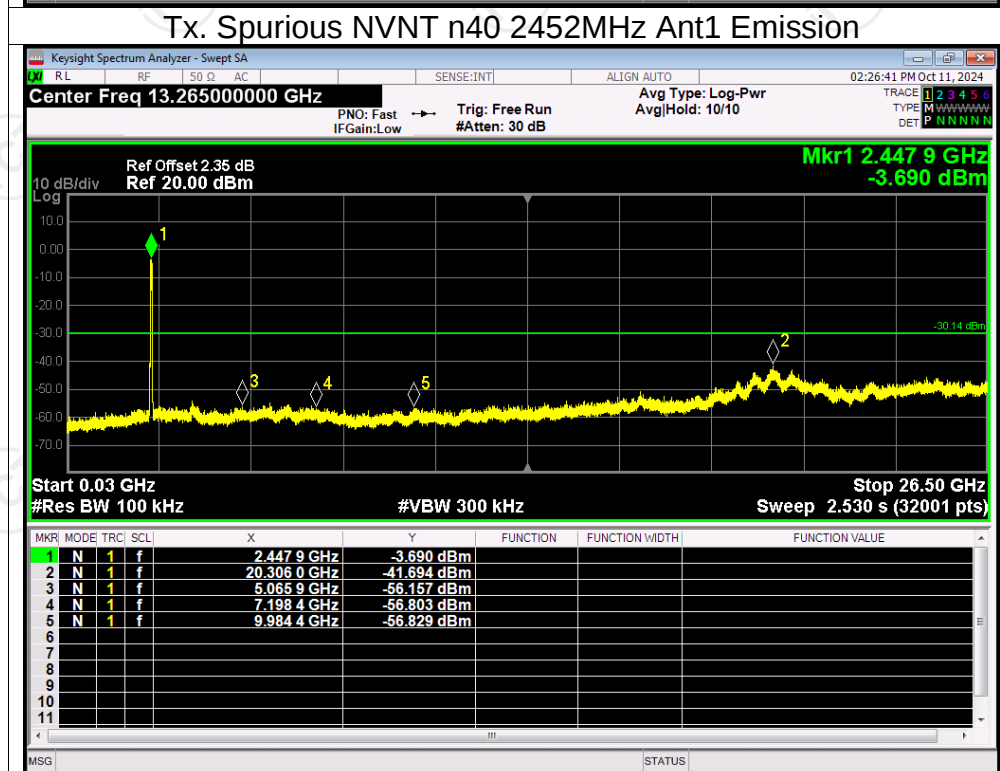
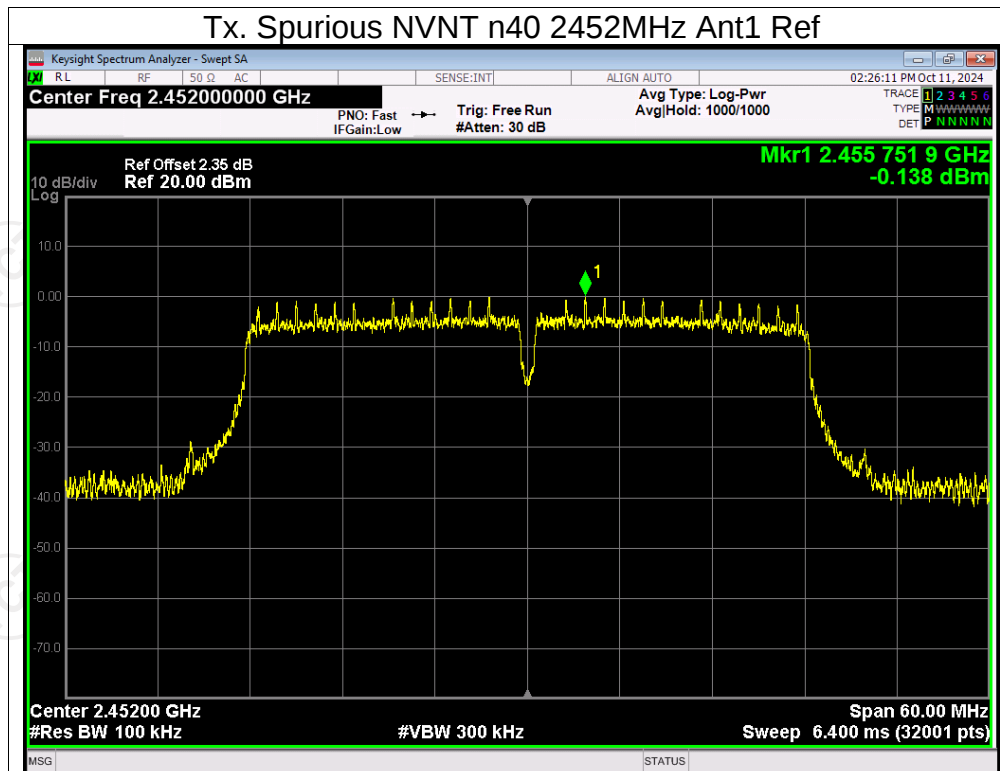












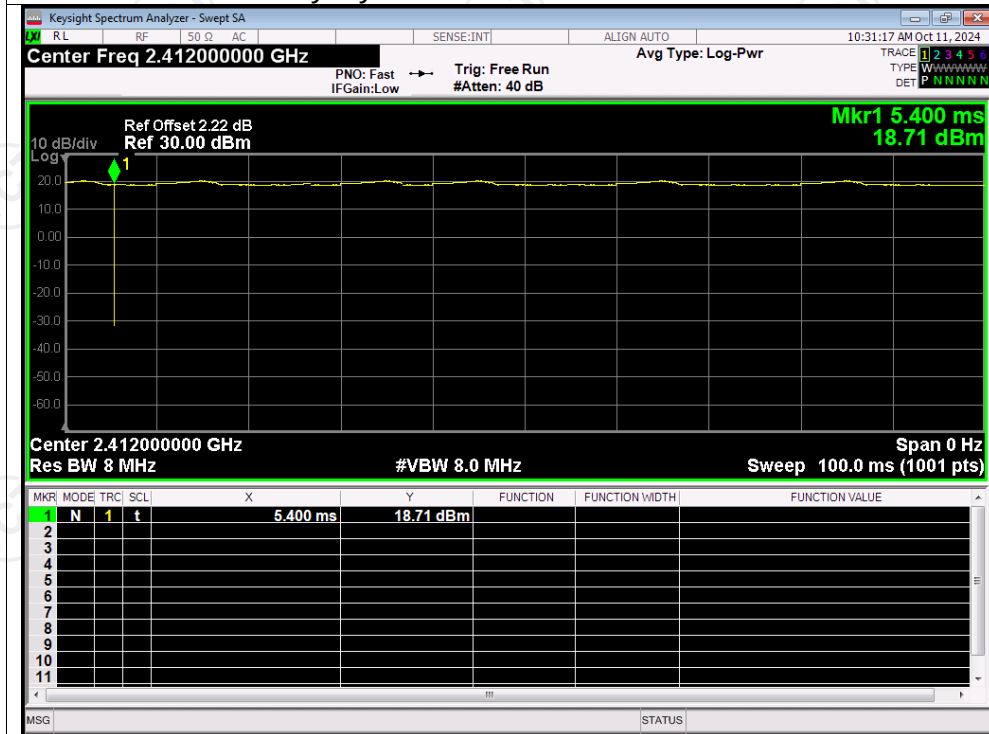
**Antenna 2**

**Duty Cycle**

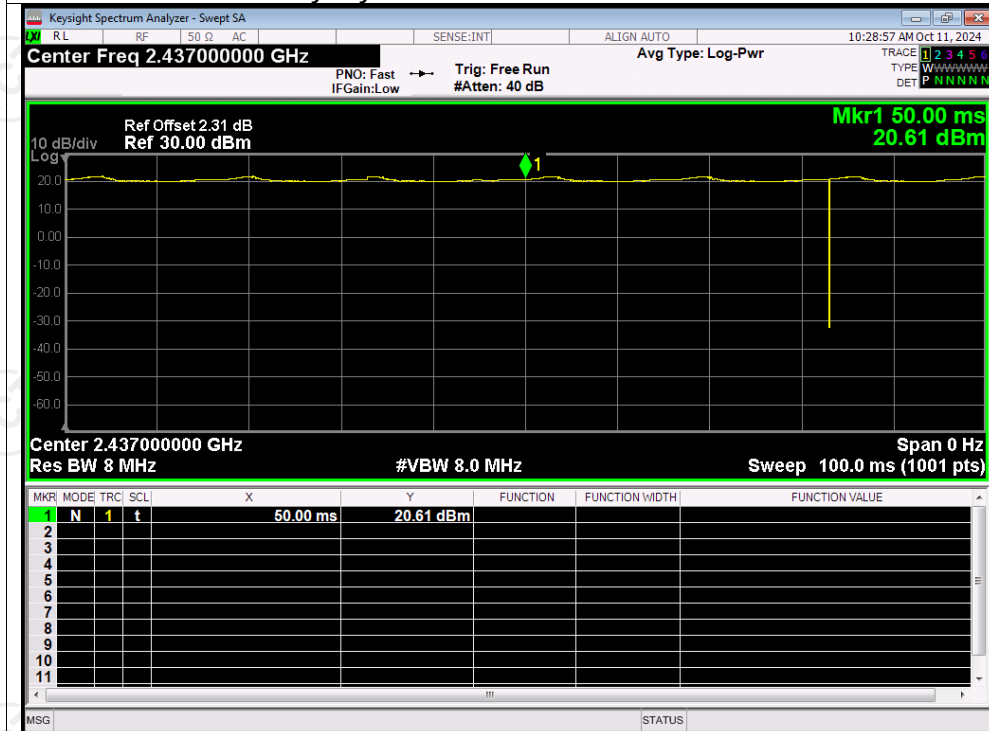
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) |
|-----------|------|-----------------|---------|----------------|------------------------|
| NVNT      | b    | 2412            | Ant2    | 99.80          | 0                      |
| NVNT      | b    | 2437            | Ant2    | 99.90          | 0                      |
| NVNT      | b    | 2462            | Ant2    | 99.80          | 0                      |
| NVNT      | g    | 2412            | Ant2    | 92.01          | 0.36                   |
| NVNT      | g    | 2437            | Ant2    | 87.11          | 0.60                   |
| NVNT      | g    | 2462            | Ant2    | 87.81          | 0.56                   |
| NVNT      | n20  | 2412            | Ant2    | 92.81          | 0.32                   |
| NVNT      | n20  | 2437            | Ant2    | 92.51          | 0.34                   |
| NVNT      | n20  | 2462            | Ant2    | 97.40          | 0.11                   |
| NVNT      | n40  | 2422            | Ant2    | 84.01          | 0.76                   |
| NVNT      | n40  | 2437            | Ant2    | 87.71          | 0.57                   |
| NVNT      | n40  | 2452            | Ant2    | 88.80          | 0.52                   |

## Test Graphs

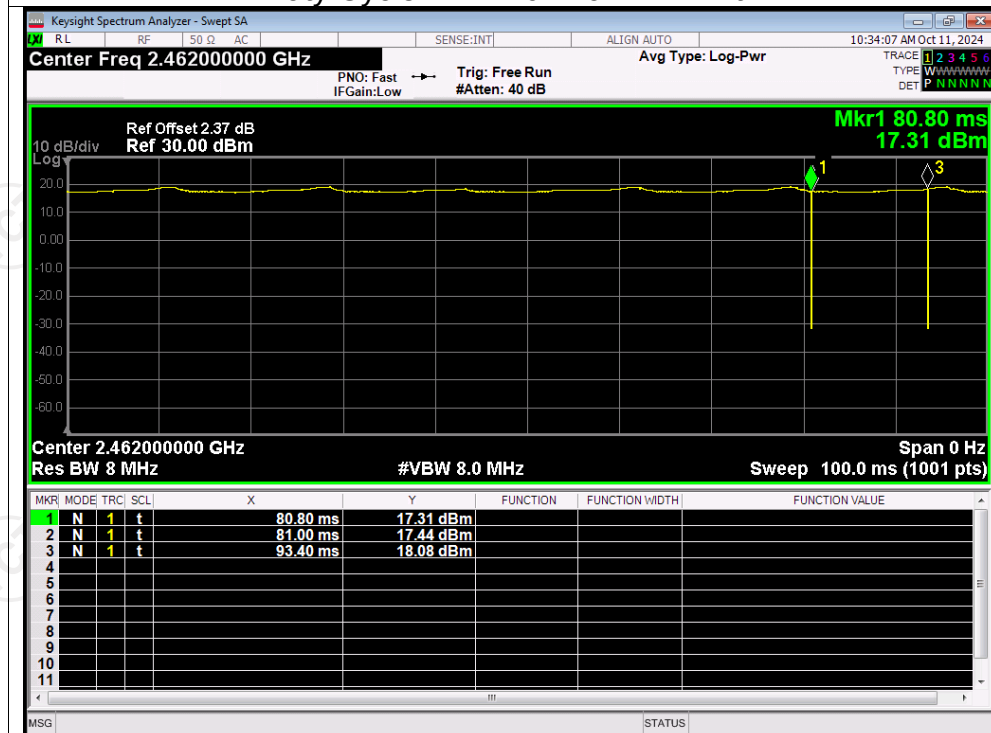
### Duty Cycle NVNT b 2412MHz Ant2



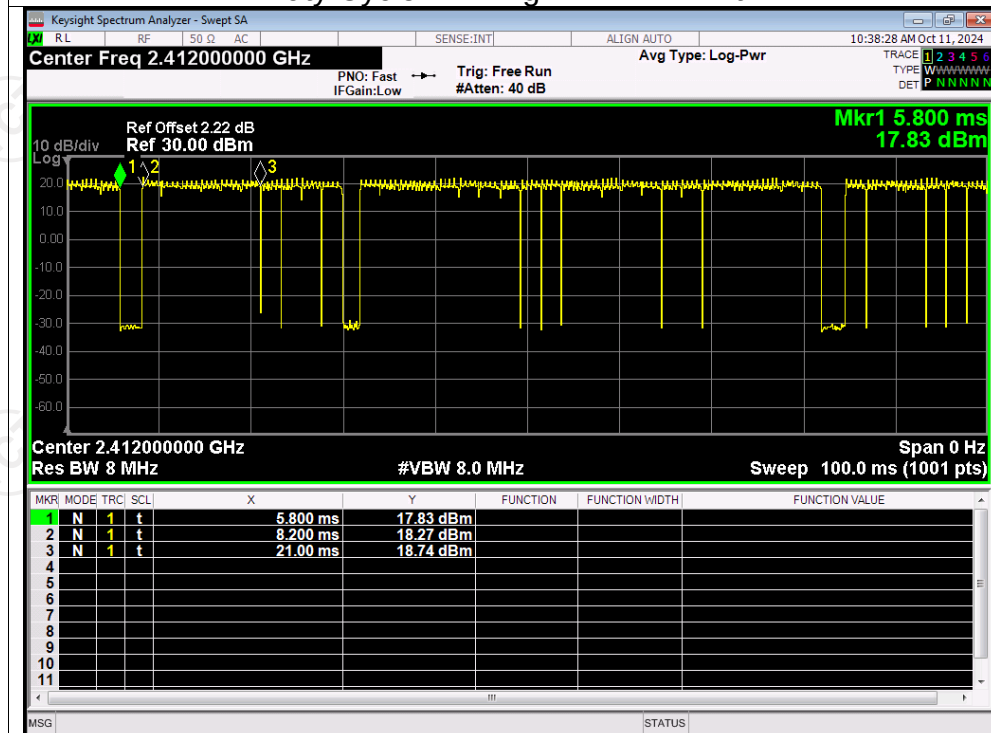
### Duty Cycle NVNT b 2437MHz Ant2



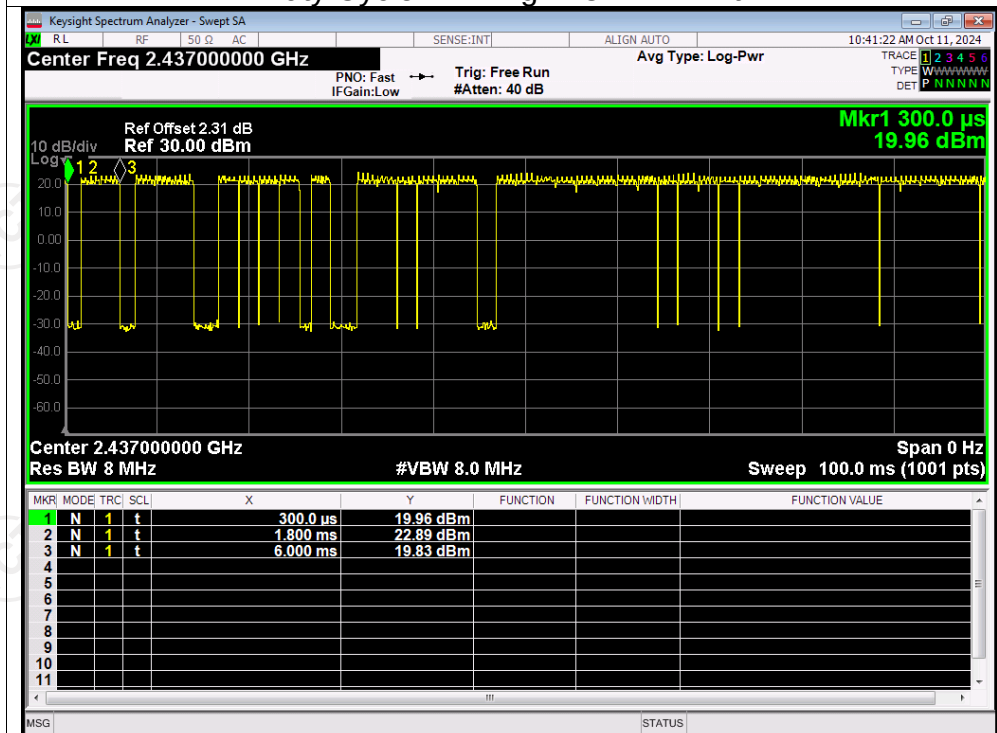
## Duty Cycle NVNT b 2462MHz Ant2



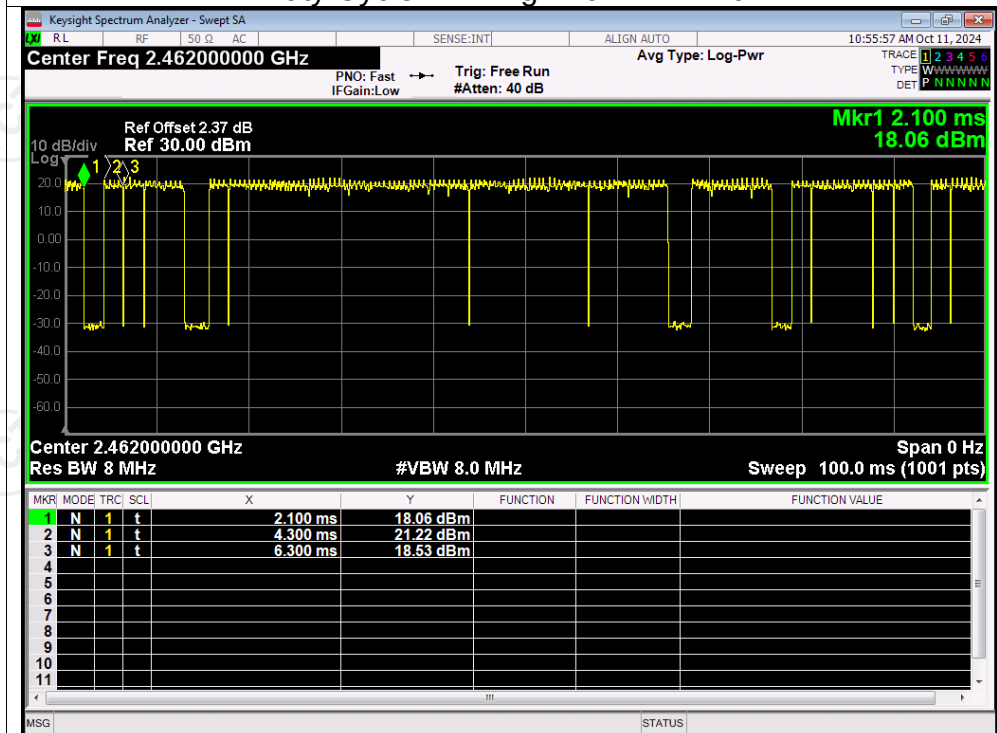
## Duty Cycle NVNT g 2412MHz Ant2



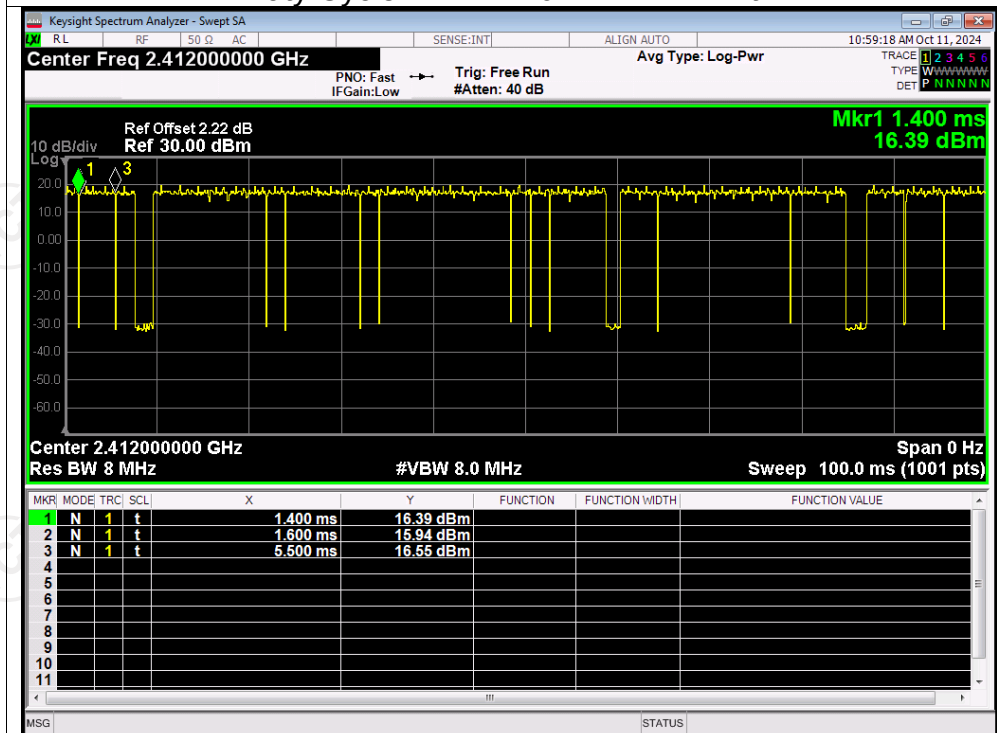
## Duty Cycle NVNT g 2437MHz Ant2



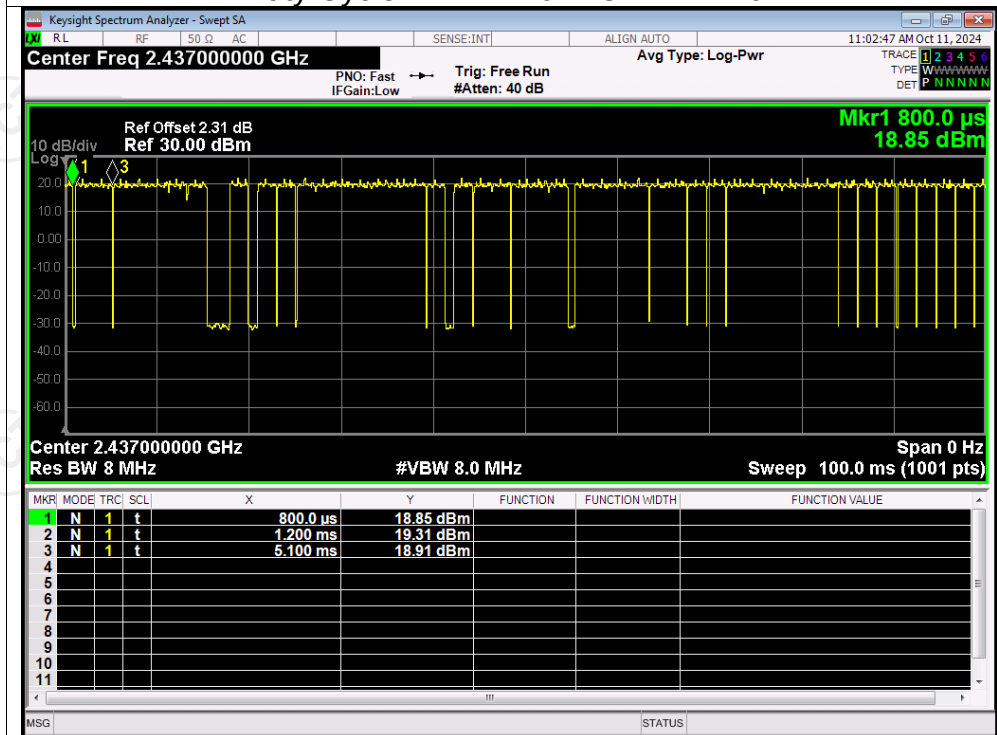
## Duty Cycle NVNT g 2462MHz Ant2



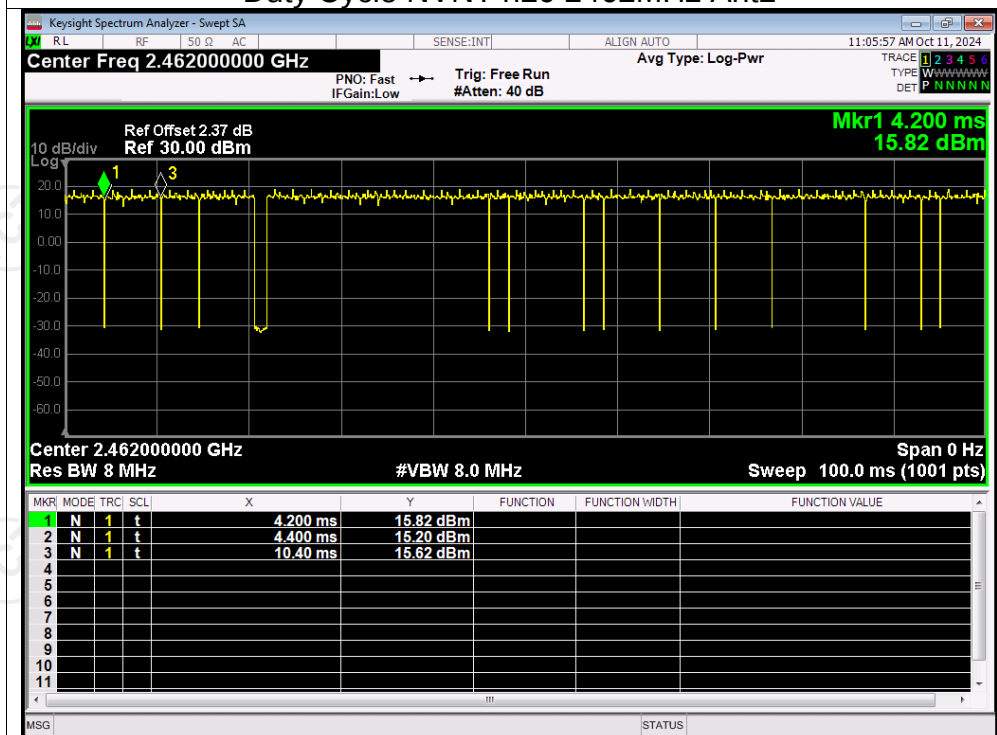
## Duty Cycle NVNT n20 2412MHz Ant2



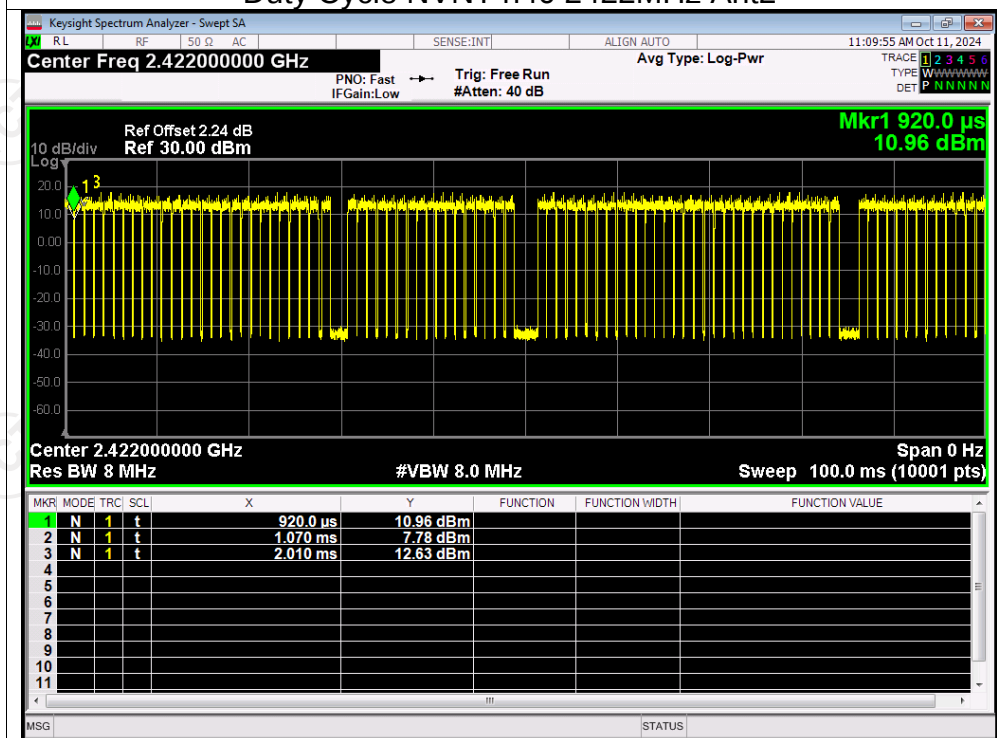
## Duty Cycle NVNT n20 2437MHz Ant2



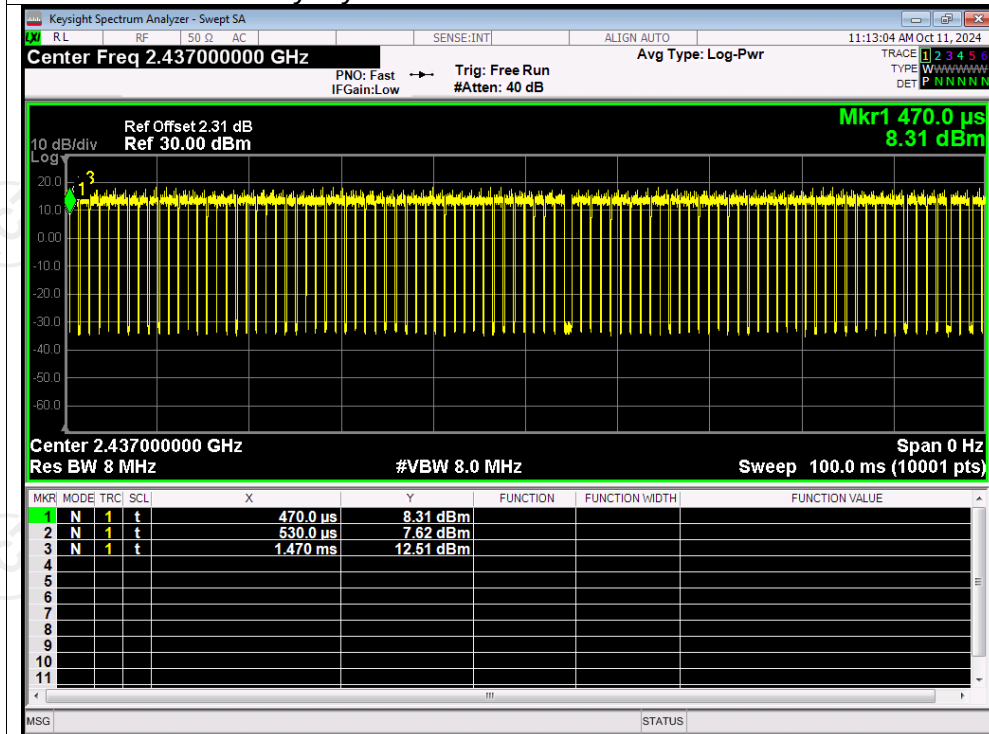
## Duty Cycle NVNT n20 2462MHz Ant2



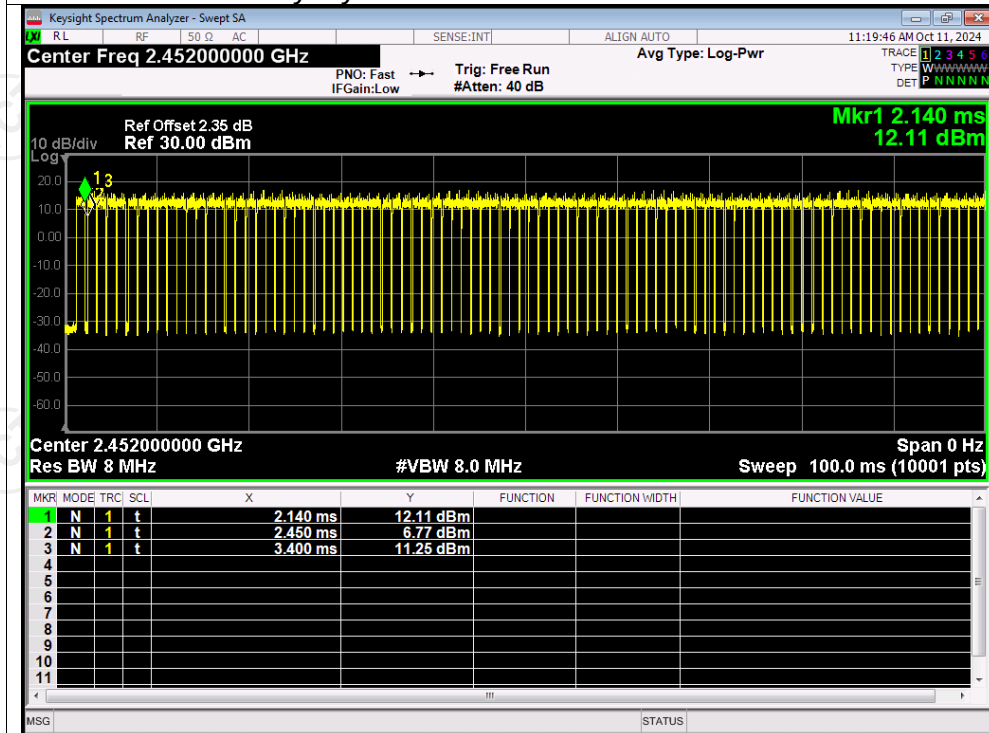
## Duty Cycle NVNT n40 2422MHz Ant2



## Duty Cycle NVNT n40 2437MHz Ant2



## Duty Cycle NVNT n40 2452MHz Ant2

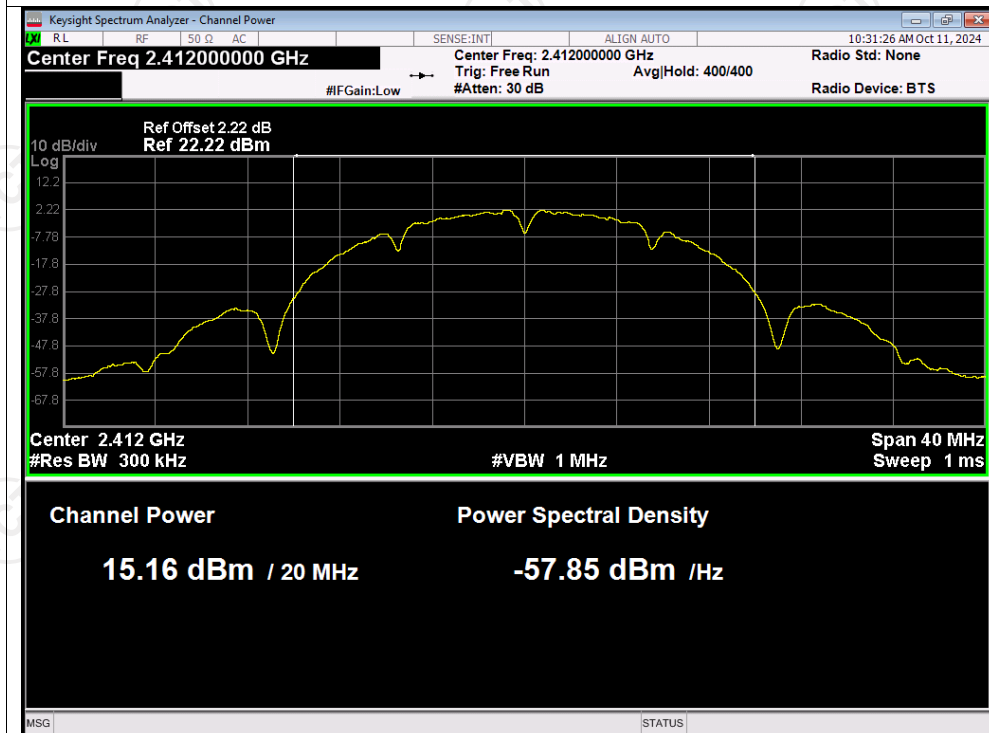


**Maximum Conducted Output Power**

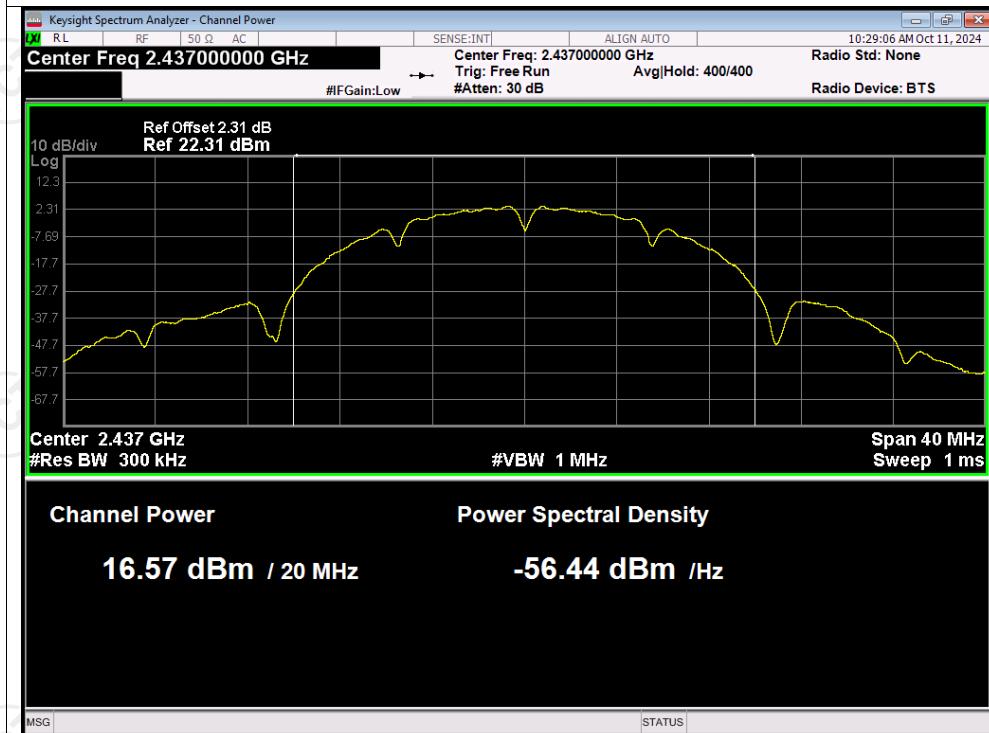
| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT      | b    | 2412            | Ant2    | 15.16                 | 0                | 15.16             | 30          | Pass    |
| NVNT      | b    | 2437            | Ant2    | 16.57                 | 0                | 16.57             | 30          | Pass    |
| NVNT      | b    | 2462            | Ant2    | 13.97                 | 0                | 13.97             | 30          | Pass    |
| NVNT      | g    | 2412            | Ant2    | 13.15                 | 0.36             | 13.51             | 30          | Pass    |
| NVNT      | g    | 2437            | Ant2    | 14.97                 | 0.6              | 15.57             | 30          | Pass    |
| NVNT      | g    | 2462            | Ant2    | 13.01                 | 0.56             | 13.57             | 30          | Pass    |
| NVNT      | n20  | 2412            | Ant2    | 11.88                 | 0.32             | 12.2              | 30          | Pass    |
| NVNT      | n20  | 2437            | Ant2    | 13.86                 | 0.34             | 14.2              | 30          | Pass    |
| NVNT      | n20  | 2462            | Ant2    | 11.47                 | 0.11             | 11.58             | 30          | Pass    |
| NVNT      | n40  | 2422            | Ant2    | 11.64                 | 0.76             | 12.4              | 30          | Pass    |
| NVNT      | n40  | 2437            | Ant2    | 12.75                 | 0.57             | 13.32             | 30          | Pass    |
| NVNT      | n40  | 2452            | Ant2    | 11.36                 | 0.52             | 11.88             | 30          | Pass    |

## Test Graphs

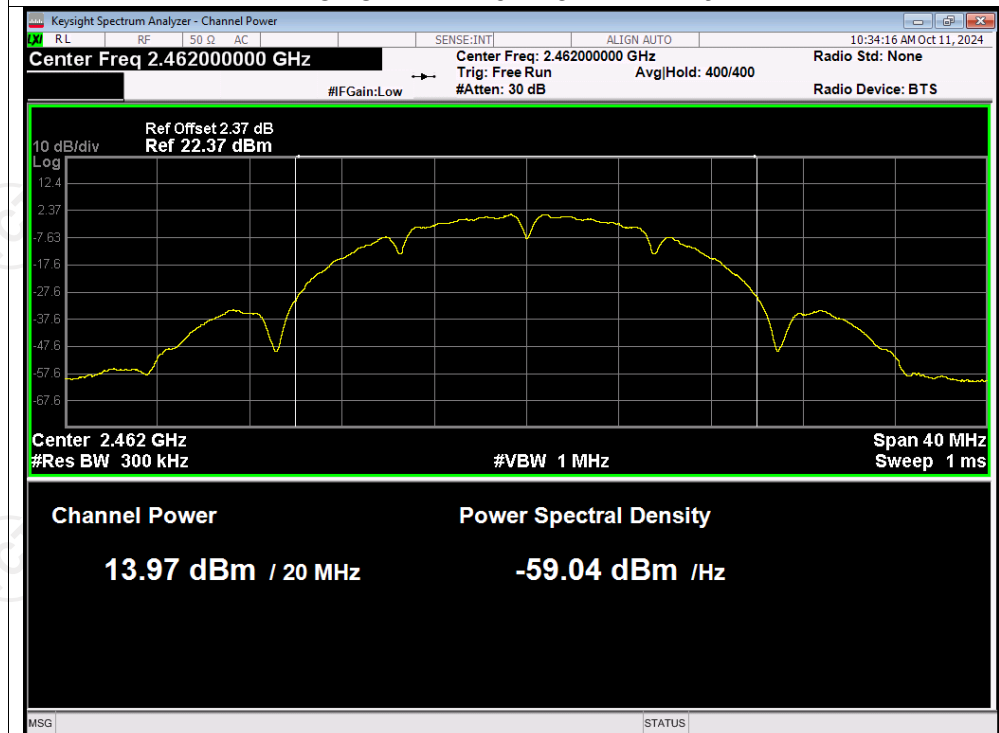
### Power NVNT b 2412MHz Ant2



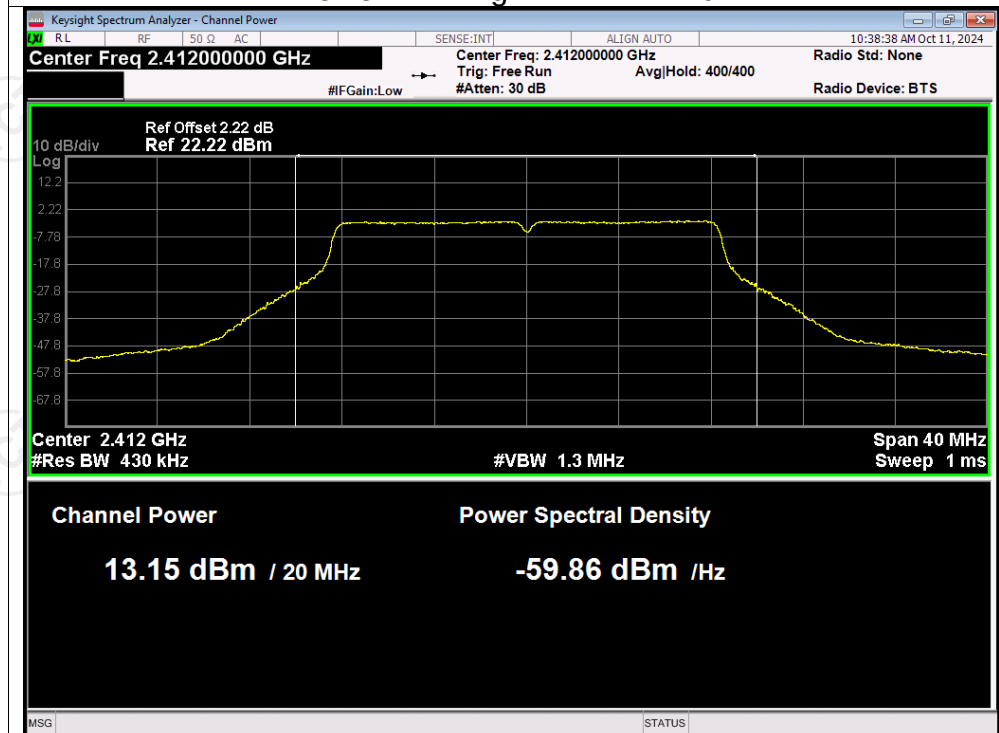
### Power NVNT b 2437MHz Ant2



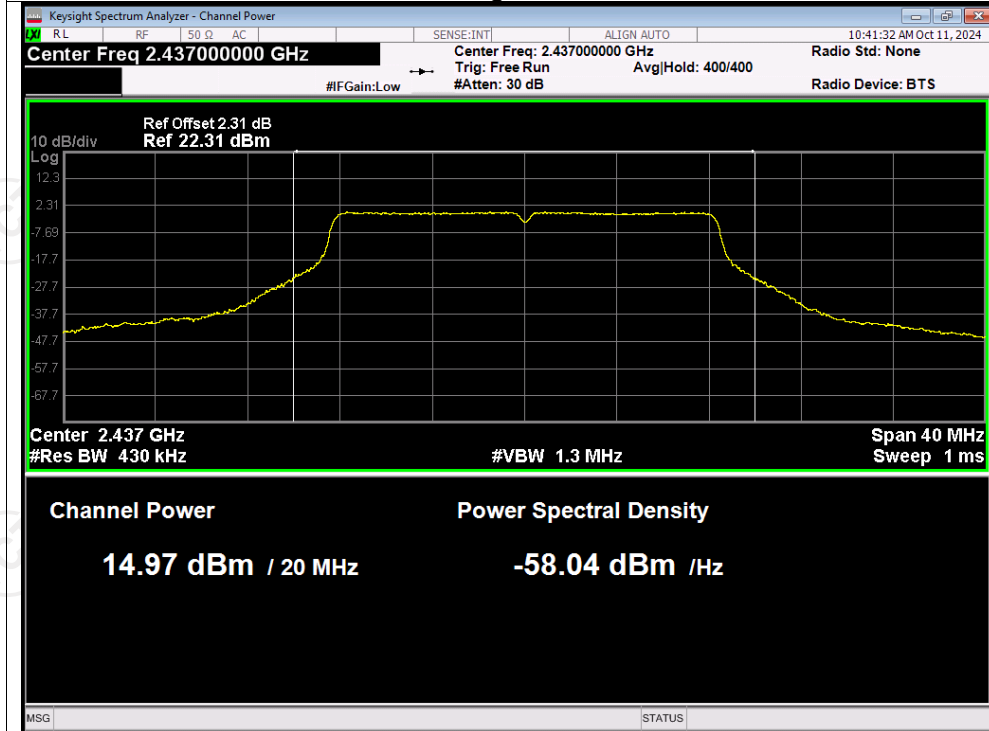
## Power NVNT b 2462MHz Ant2



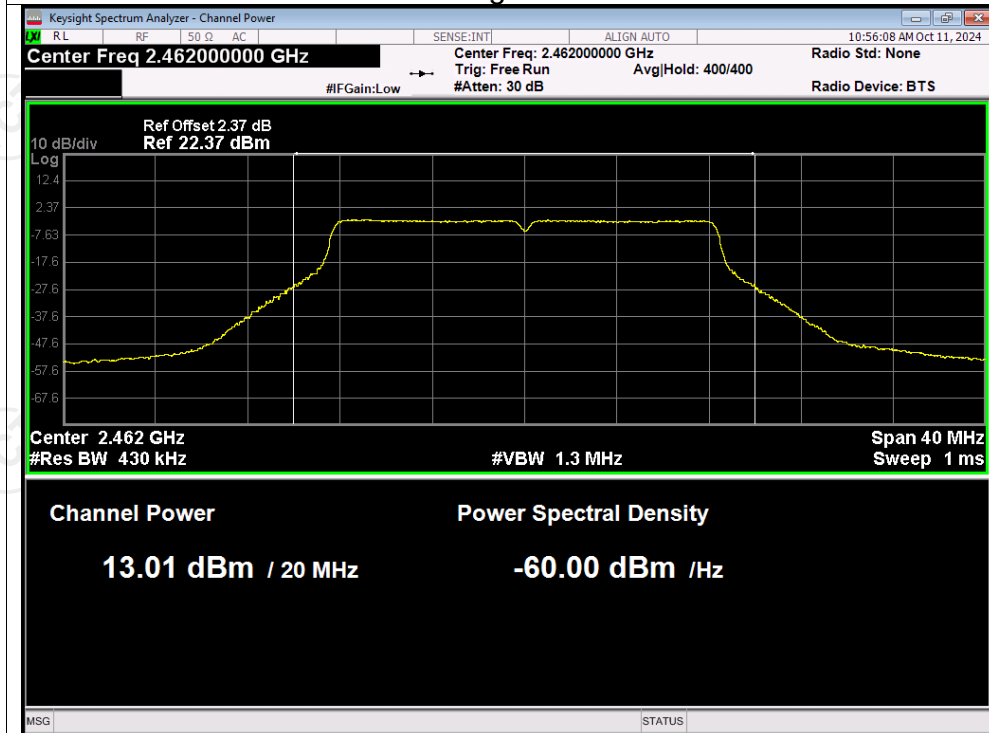
## Power NVNT g 2412MHz Ant2

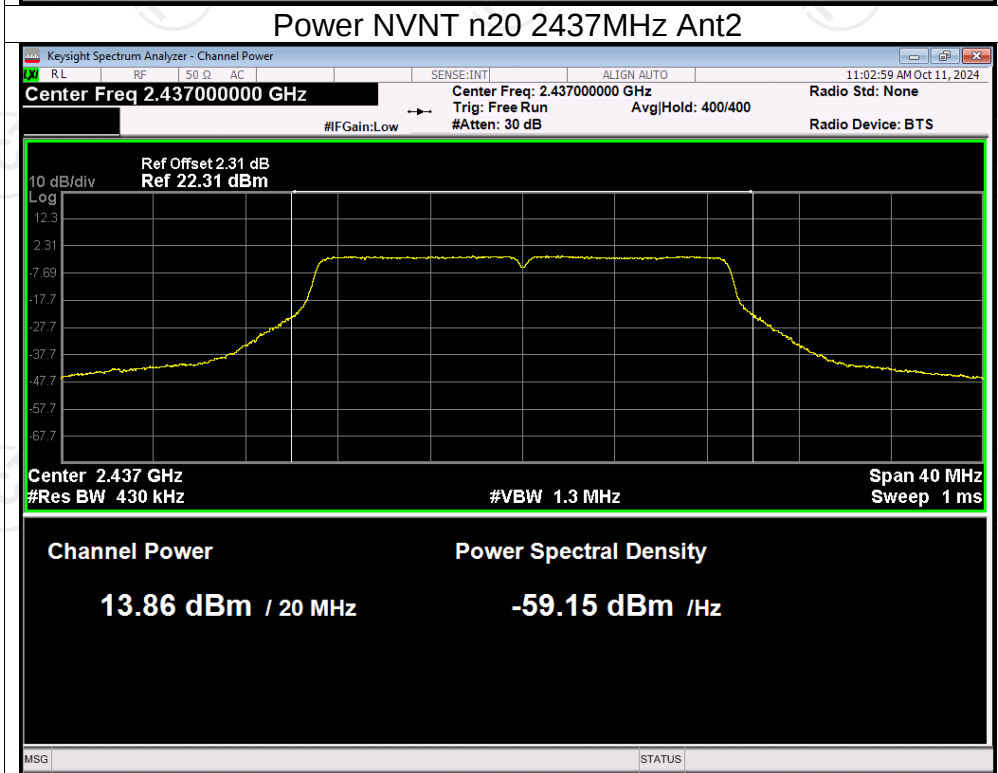
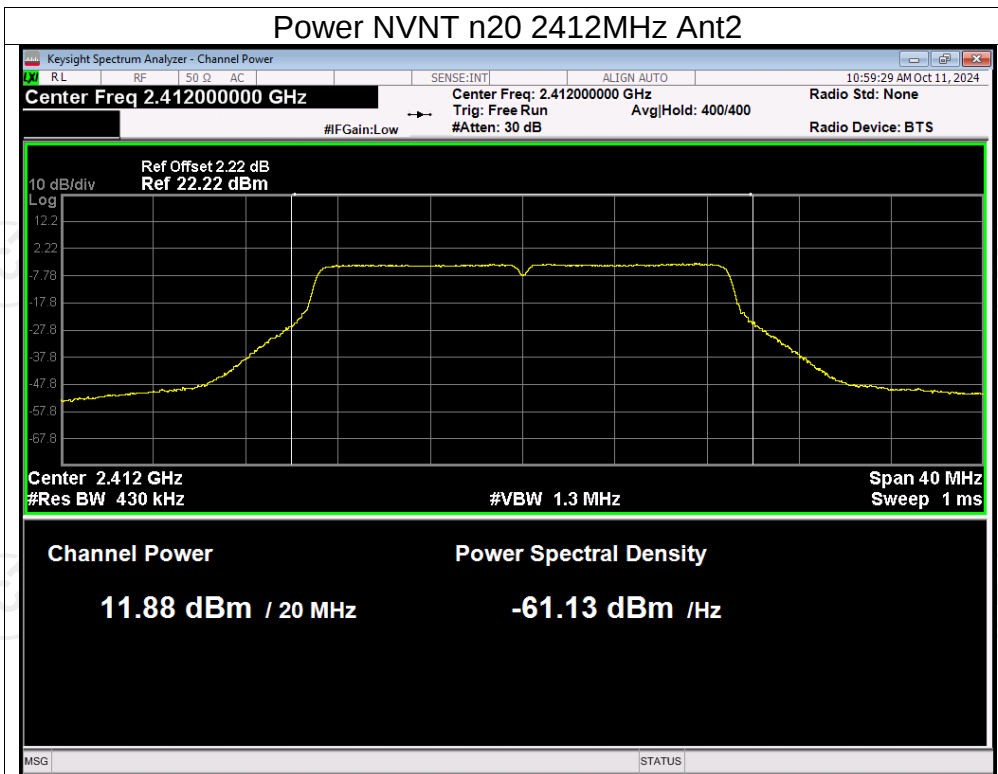


## Power NVNT g 2437MHz Ant2

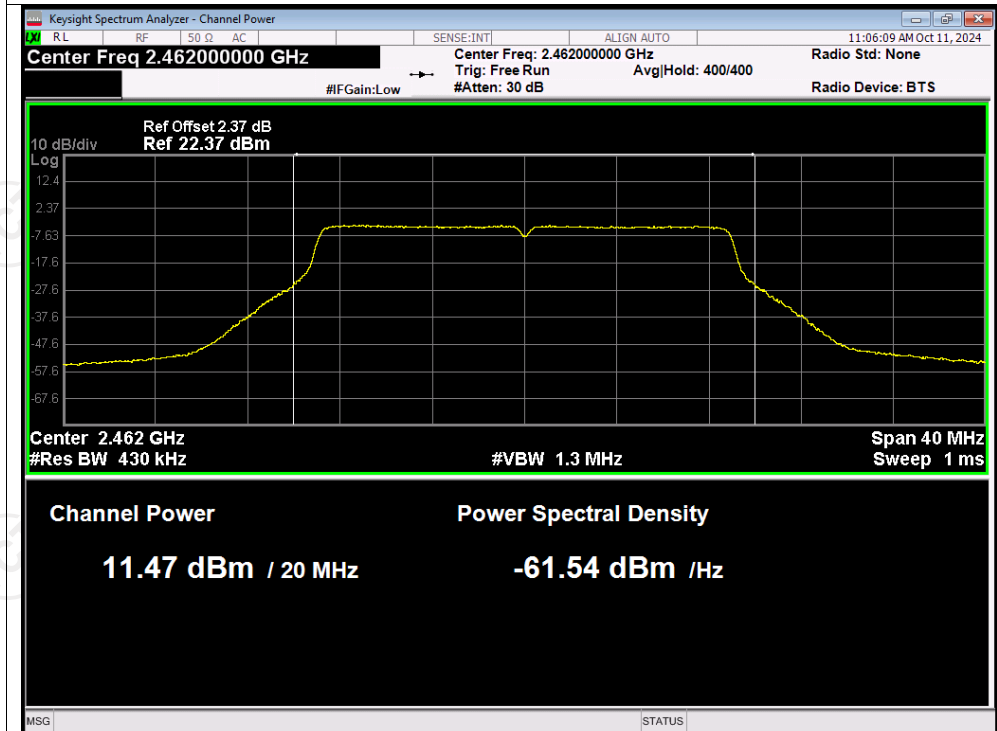


## Power NVNT g 2462MHz Ant2

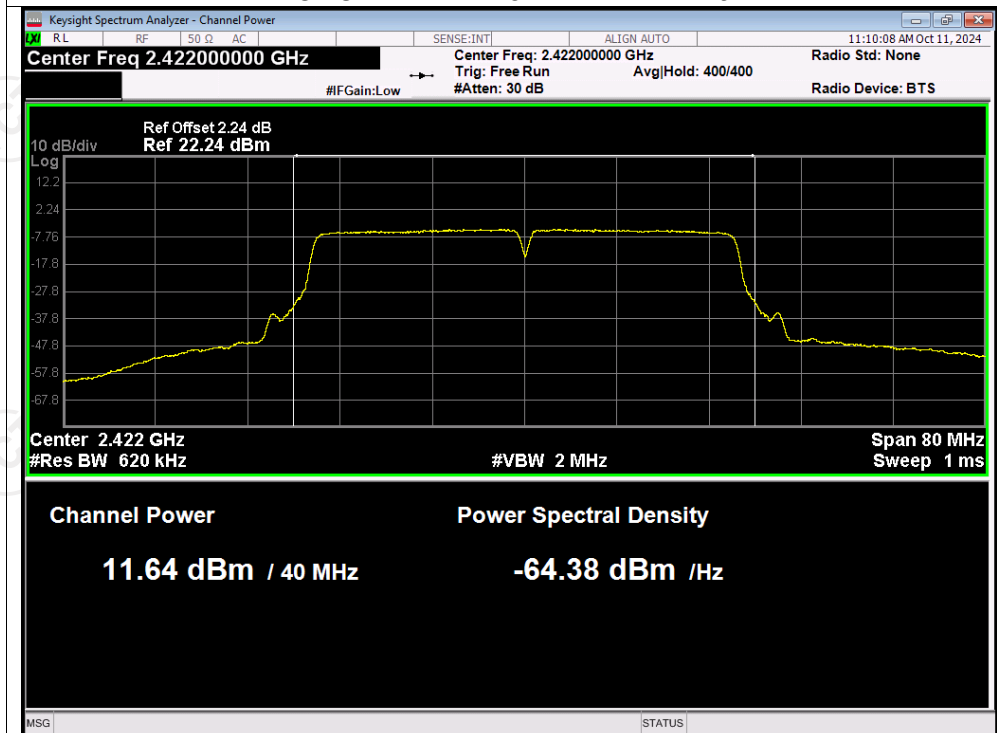




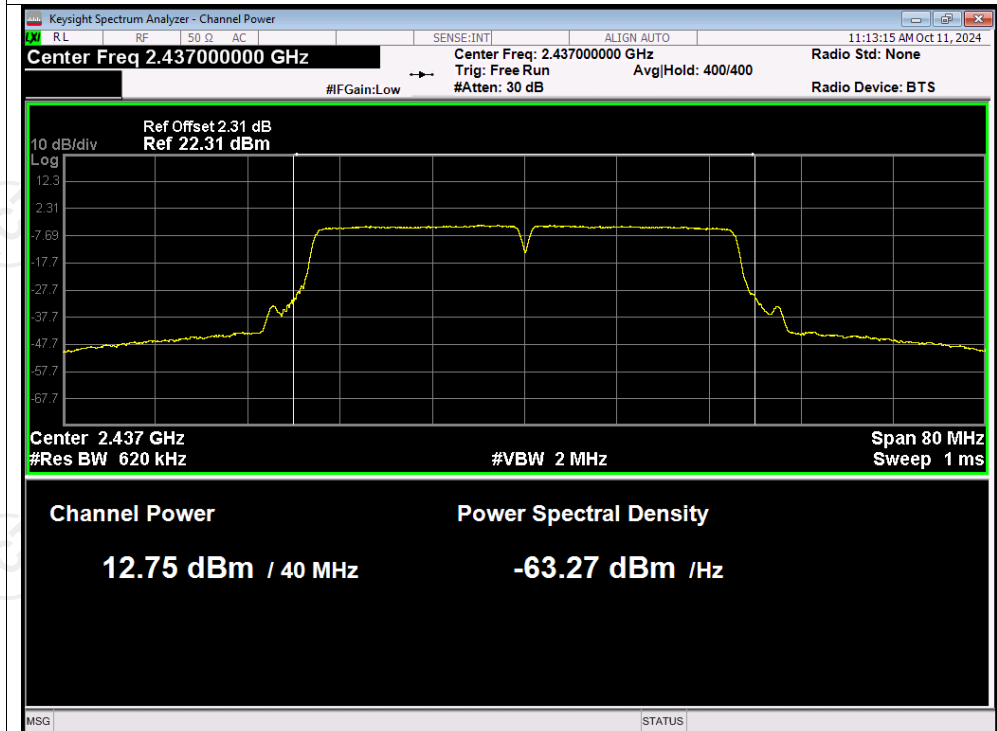
## Power NVNT n20 2462MHz Ant2



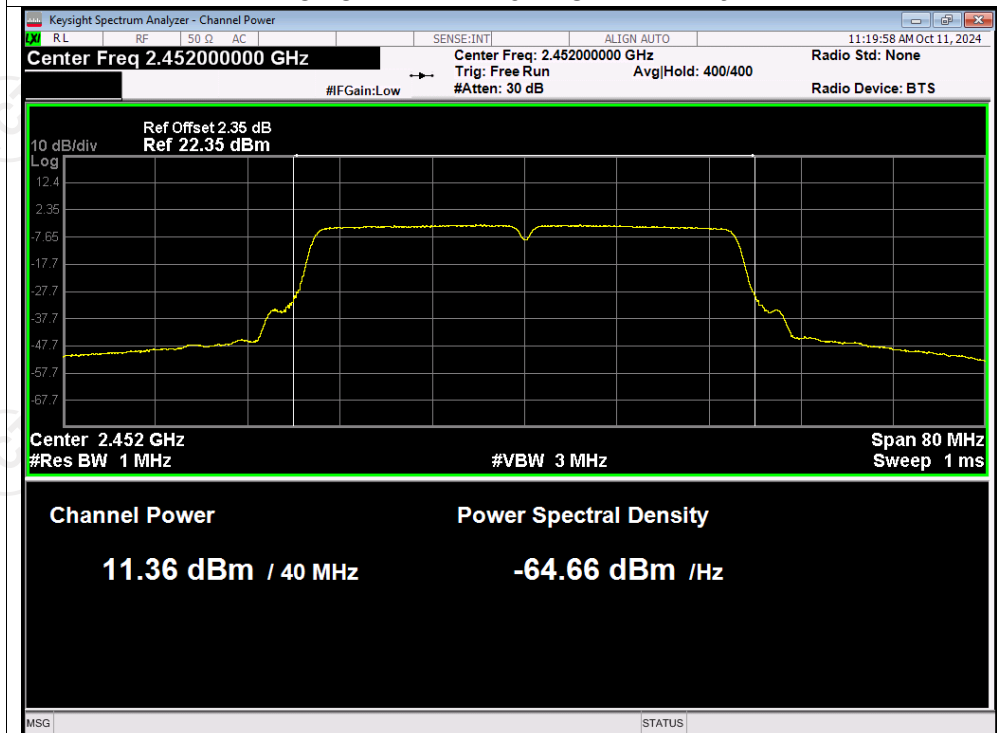
## Power NVNT n40 2422MHz Ant2



## Power NVNT n40 2437MHz Ant2



## Power NVNT n40 2452MHz Ant2

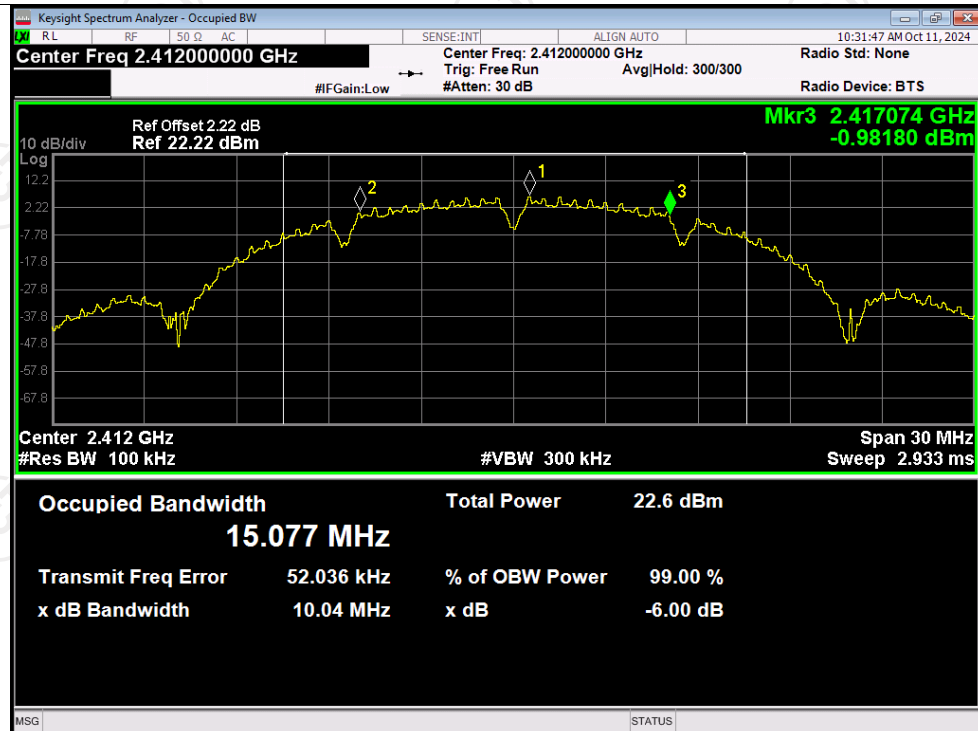


**-6dB Bandwidth**

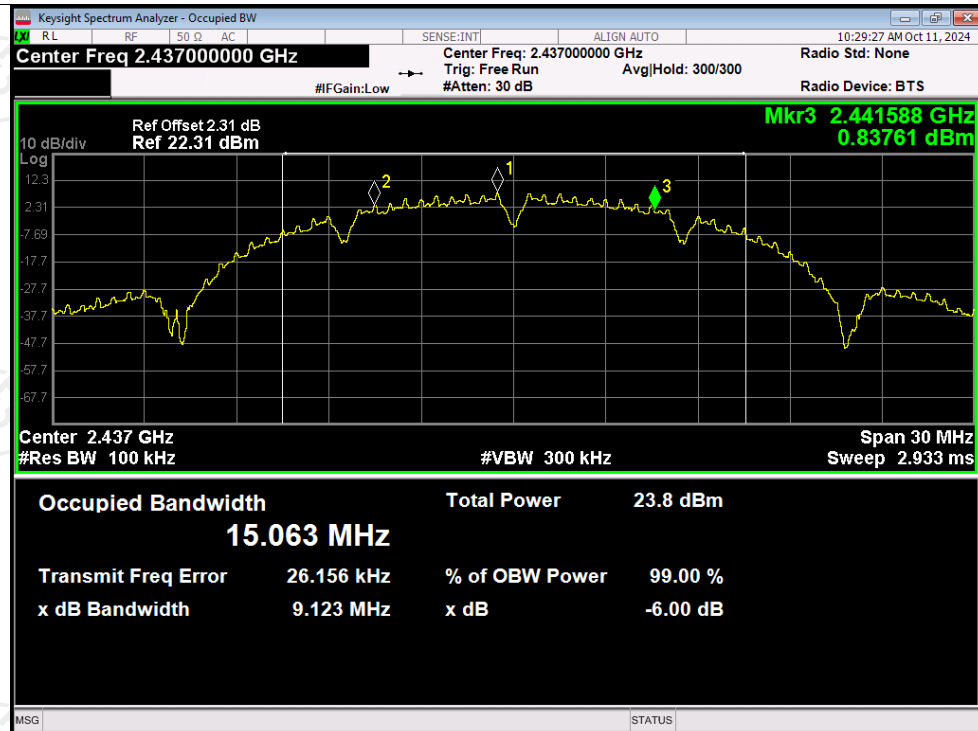
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | b    | 2412            | Ant2    | 10.043                | 0.5                         | Pass    |
| NVNT      | b    | 2437            | Ant2    | 9.123                 | 0.5                         | Pass    |
| NVNT      | b    | 2462            | Ant2    | 10.029                | 0.5                         | Pass    |
| NVNT      | g    | 2412            | Ant2    | 16.366                | 0.5                         | Pass    |
| NVNT      | g    | 2437            | Ant2    | 16.379                | 0.5                         | Pass    |
| NVNT      | g    | 2462            | Ant2    | 16.370                | 0.5                         | Pass    |
| NVNT      | n20  | 2412            | Ant2    | 17.580                | 0.5                         | Pass    |
| NVNT      | n20  | 2437            | Ant2    | 17.590                | 0.5                         | Pass    |
| NVNT      | n20  | 2462            | Ant2    | 17.626                | 0.5                         | Pass    |
| NVNT      | n40  | 2422            | Ant2    | 35.407                | 0.5                         | Pass    |
| NVNT      | n40  | 2437            | Ant2    | 35.846                | 0.5                         | Pass    |
| NVNT      | n40  | 2452            | Ant2    | 35.699                | 0.5                         | Pass    |

## Test Graphs

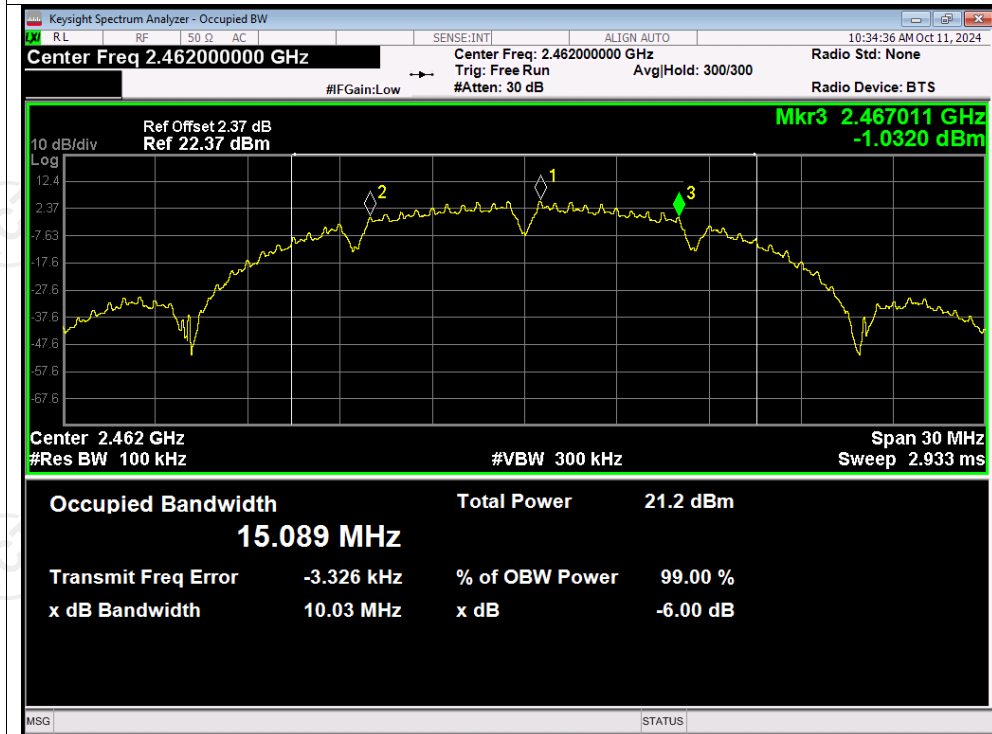
### -6dB Bandwidth NVNT b 2412MHz Ant2



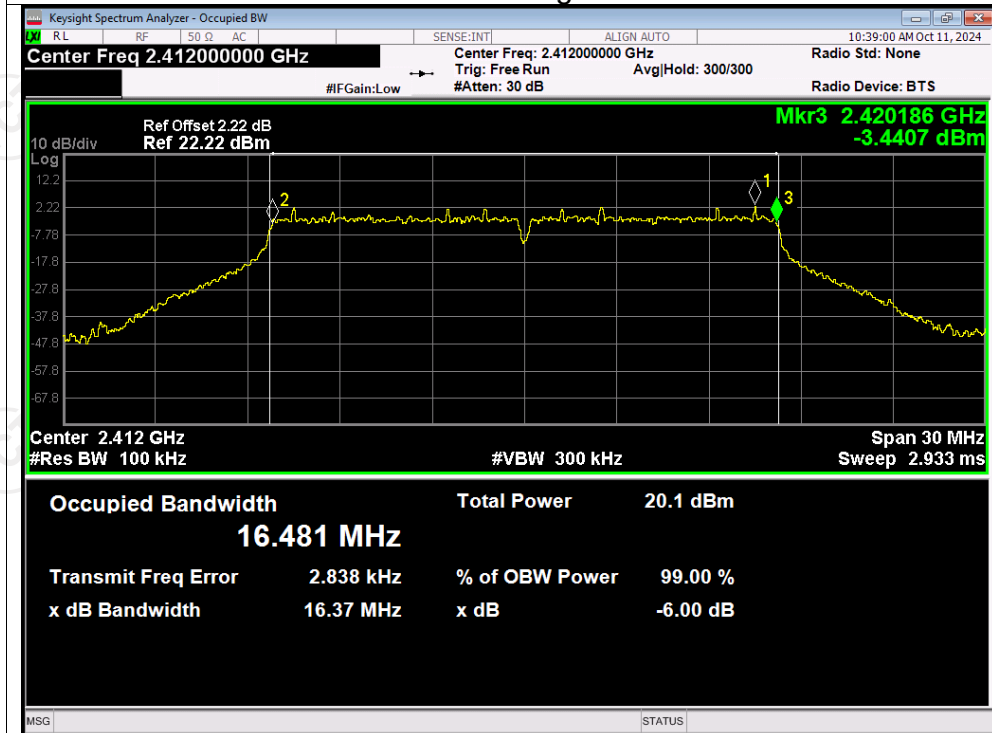
### -6dB Bandwidth NVNT b 2437MHz Ant2



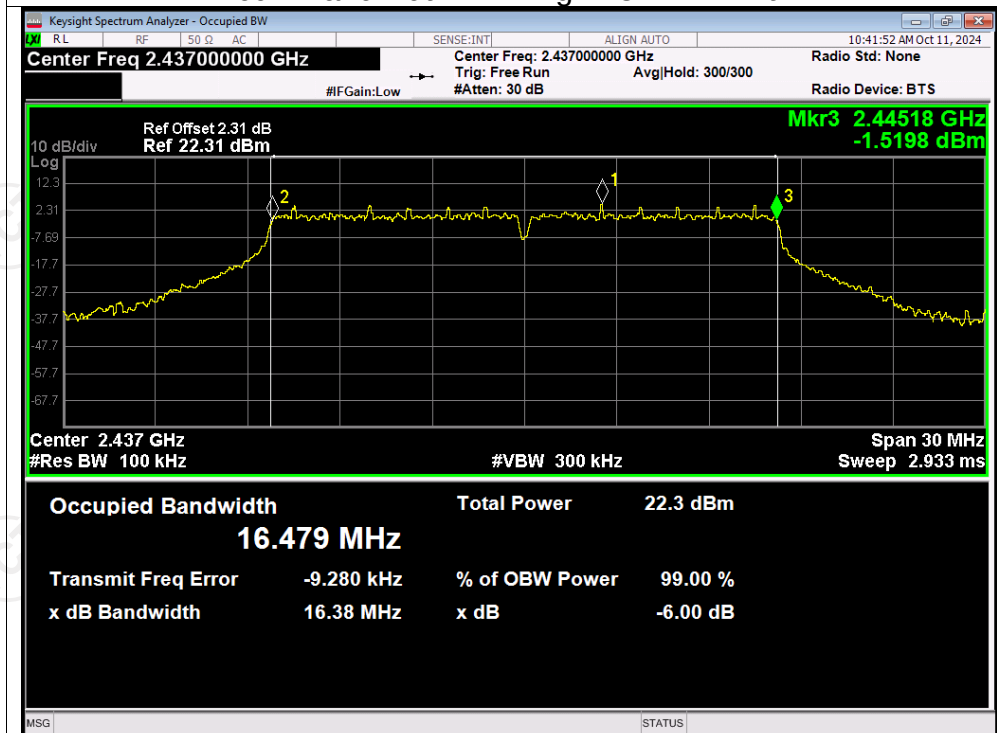
## -6dB Bandwidth NVNT b 2462MHz Ant2



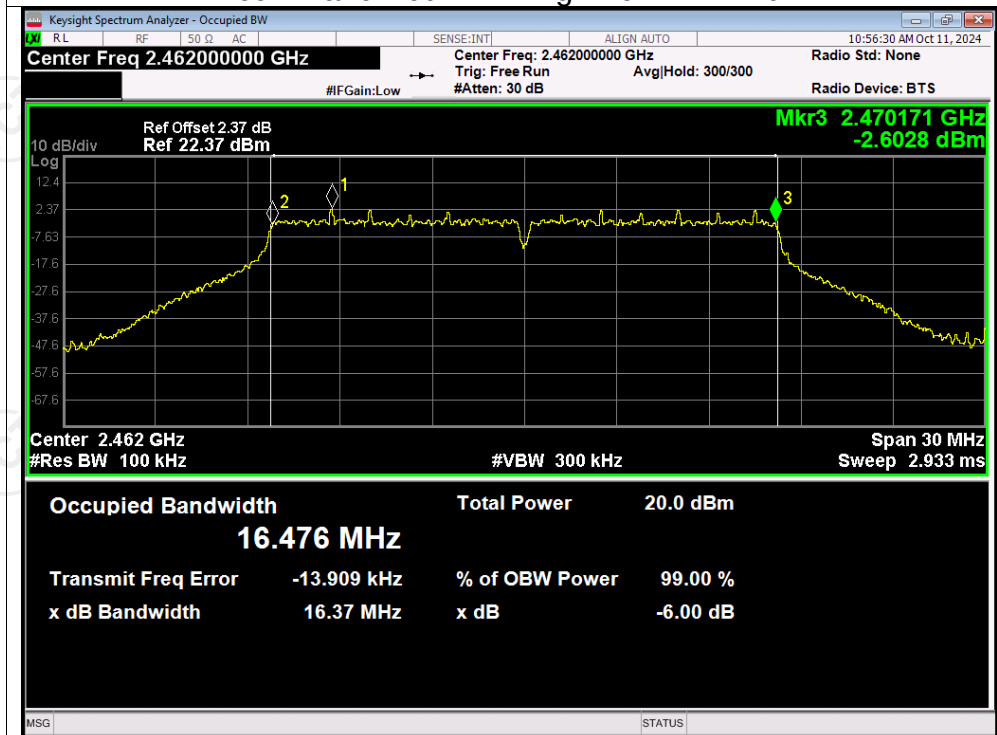
## -6dB Bandwidth NVNT g 2412MHz Ant2

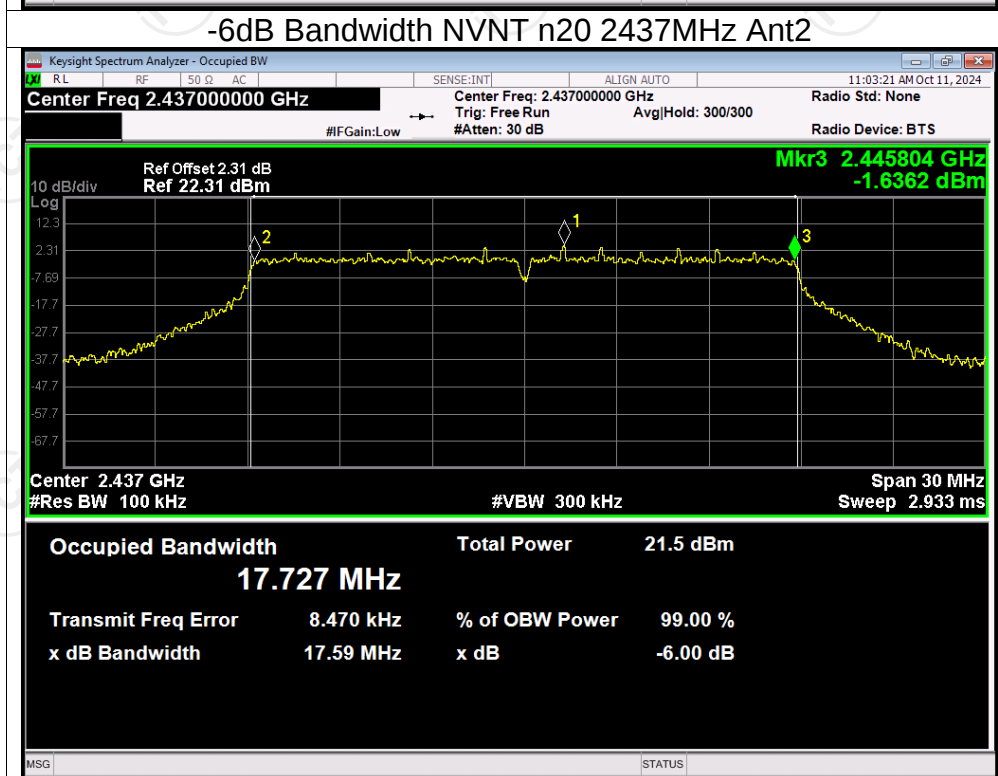
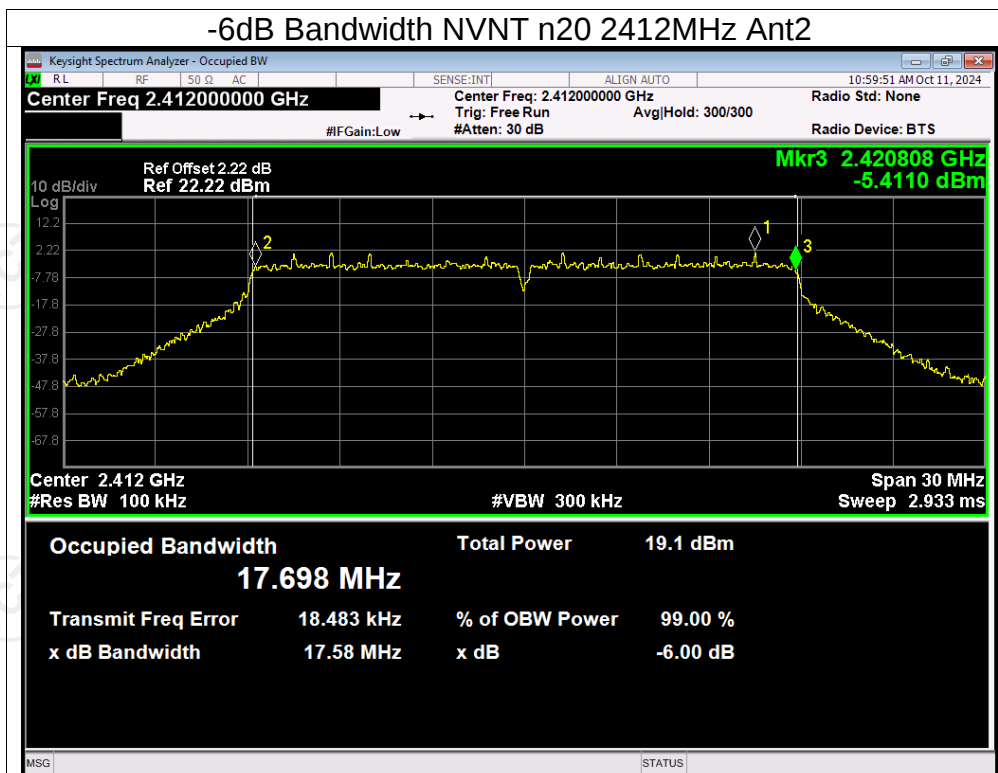


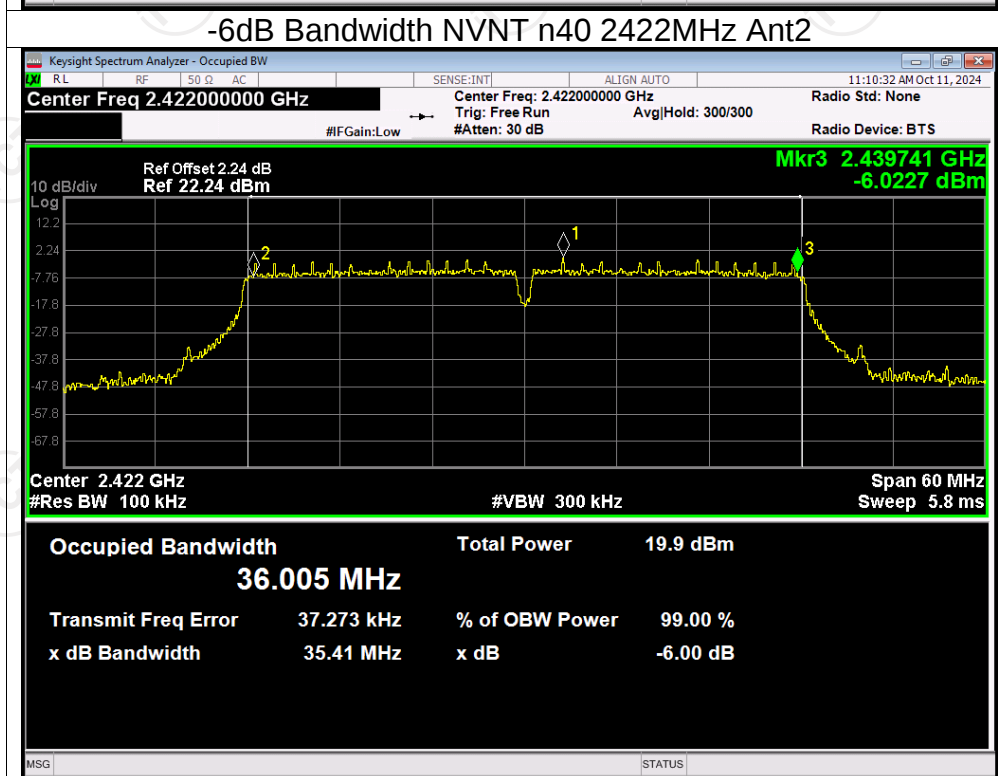
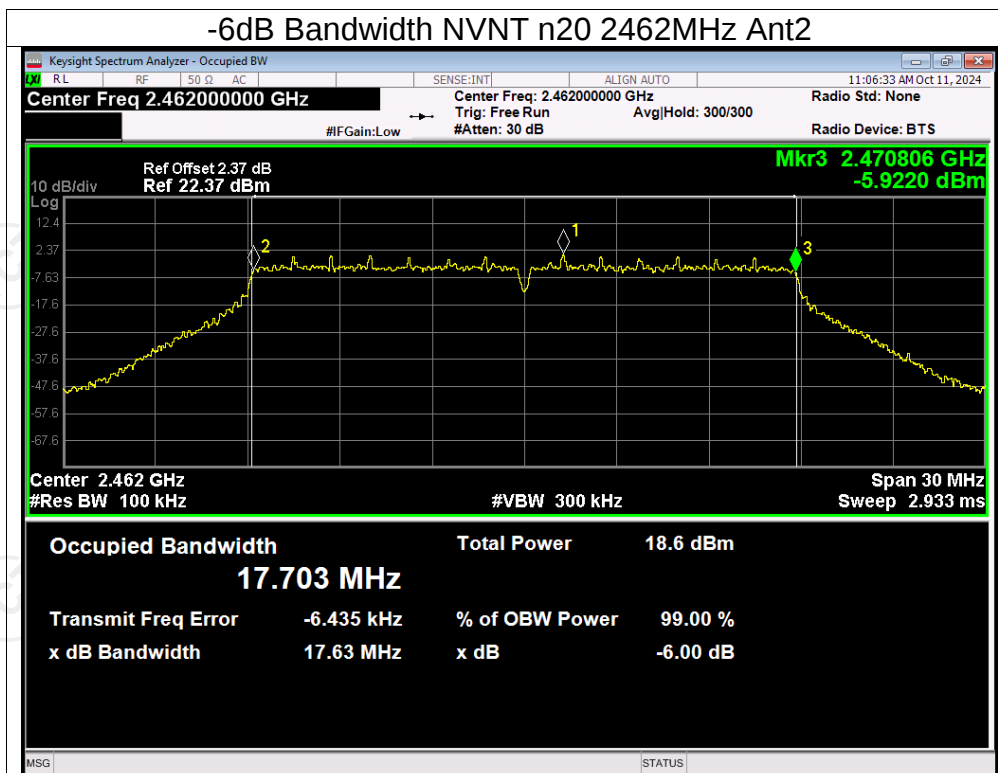
## -6dB Bandwidth NVNT g 2437MHz Ant2

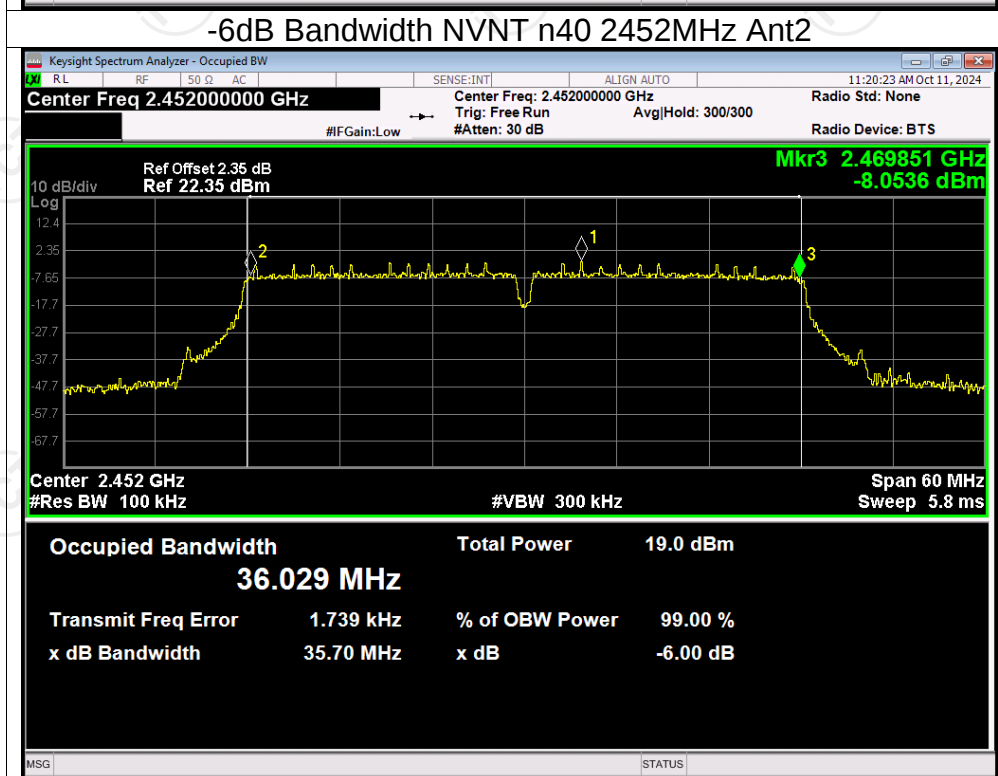
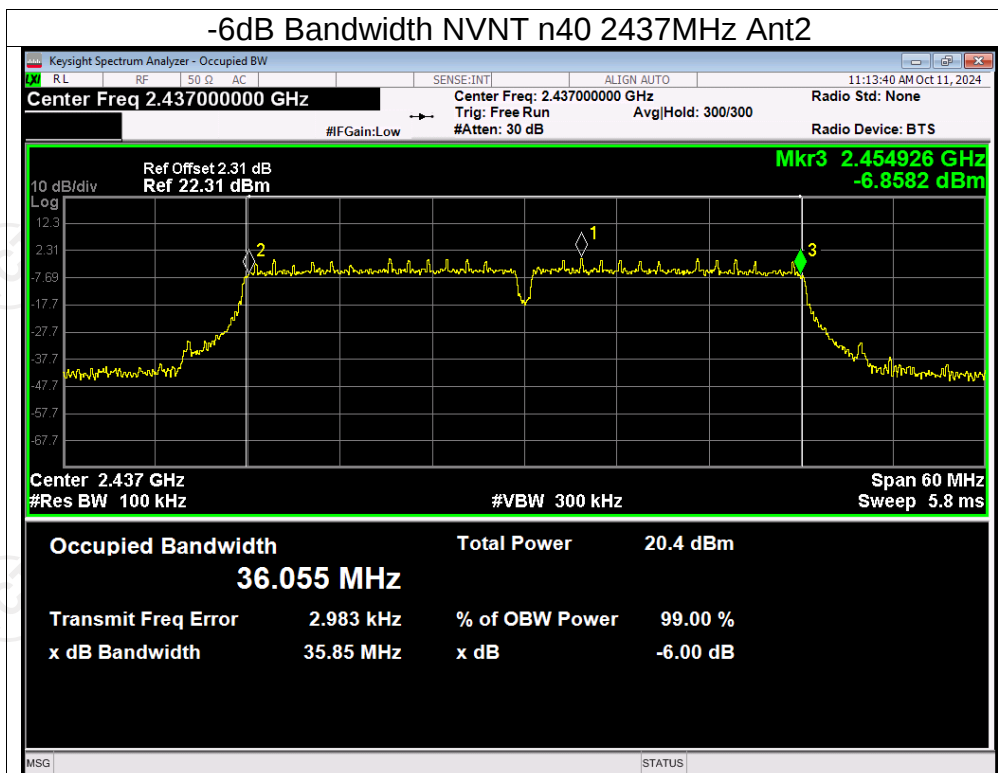


## -6dB Bandwidth NVNT g 2462MHz Ant2









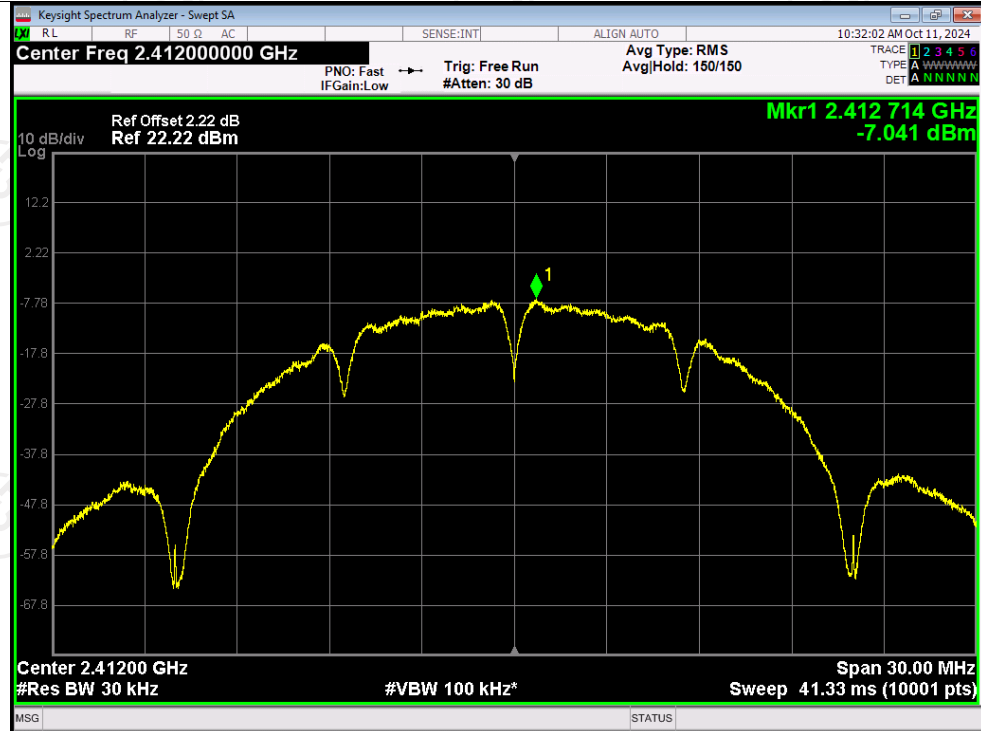
## Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/30kHz) | Duty Factor (dB) | Total PSD (dBm/30kHz) | Total PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|------|-----------------|---------|---------------------------|------------------|-----------------------|----------------------|------------------|---------|
| NVNT      | b    | 2412            | Ant2    | -7.04                     | 0                | -7.04                 | -17.04               | 8                | Pass    |
| NVNT      | b    | 2437            | Ant2    | -5.49                     | 0                | -5.49                 | -15.49               | 8                | Pass    |
| NVNT      | b    | 2462            | Ant2    | -8.39                     | 0                | -8.39                 | -18.39               | 8                | Pass    |
| NVNT      | g    | 2412            | Ant2    | -11.11                    | 0.36             | -10.75                | -20.75               | 8                | Pass    |
| NVNT      | g    | 2437            | Ant2    | -9.73                     | 0.6              | -9.13                 | -19.13               | 8                | Pass    |
| NVNT      | g    | 2462            | Ant2    | -11.14                    | 0.56             | -10.58                | -20.58               | 8                | Pass    |
| NVNT      | n20  | 2412            | Ant2    | -12.49                    | 0.32             | -12.17                | -22.17               | 8                | Pass    |
| NVNT      | n20  | 2437            | Ant2    | -10.90                    | 0.34             | -10.56                | -20.56               | 8                | Pass    |
| NVNT      | n20  | 2462            | Ant2    | -13.25                    | 0.11             | -13.14                | -23.14               | 8                | Pass    |
| NVNT      | n40  | 2422            | Ant2    | -14.68                    | 0.76             | -13.92                | -23.92               | 8                | Pass    |
| NVNT      | n40  | 2437            | Ant2    | -14.15                    | 0.57             | -13.58                | -23.58               | 8                | Pass    |
| NVNT      | n40  | 2452            | Ant2    | -15.64                    | 0.52             | -15.12                | -25.12               | 8                | Pass    |

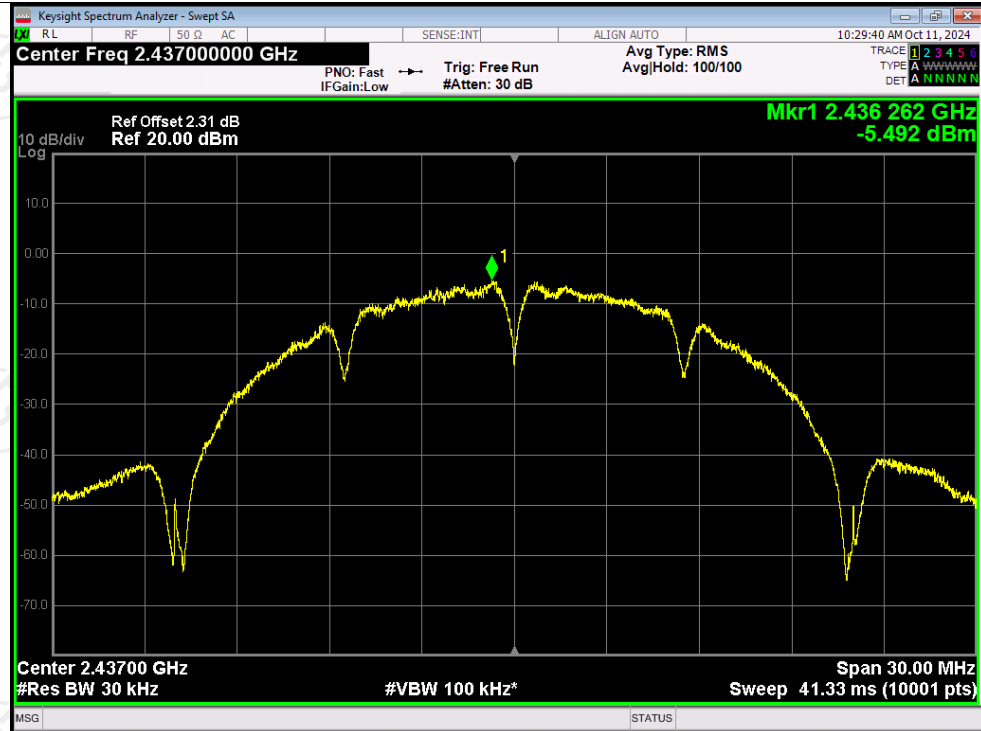
Note: Total PSD (dBm/3kHz) = Total PSD (dBm/30kHz) +10log(3kHz/30kHz)

### Test Graphs

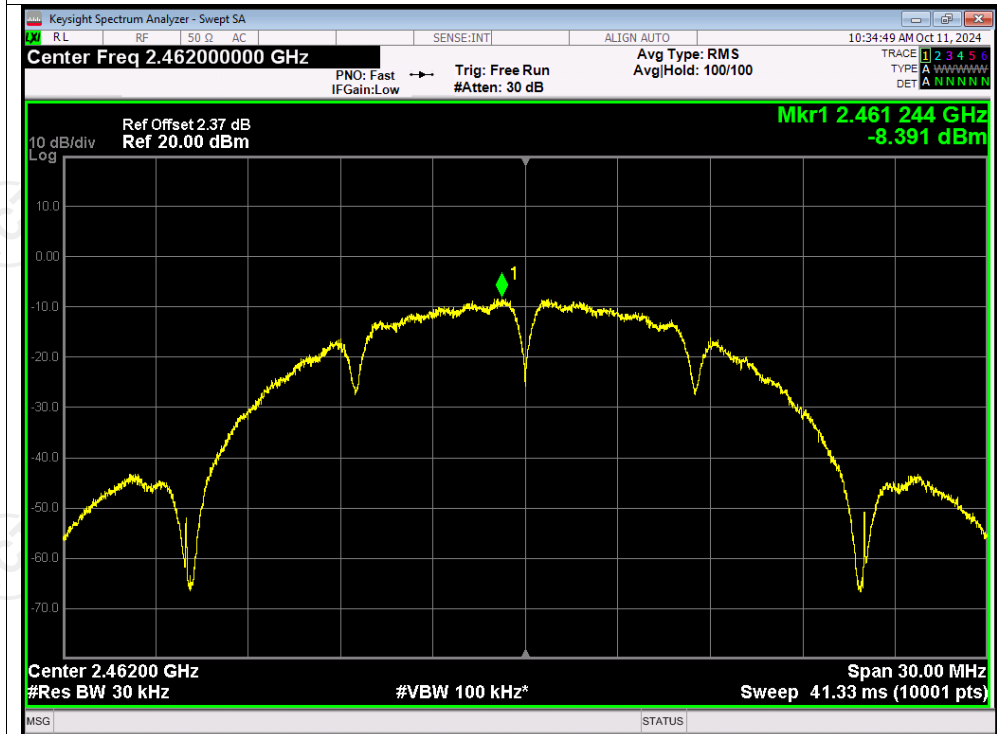
#### PSD NVNT b 2412MHz Ant2



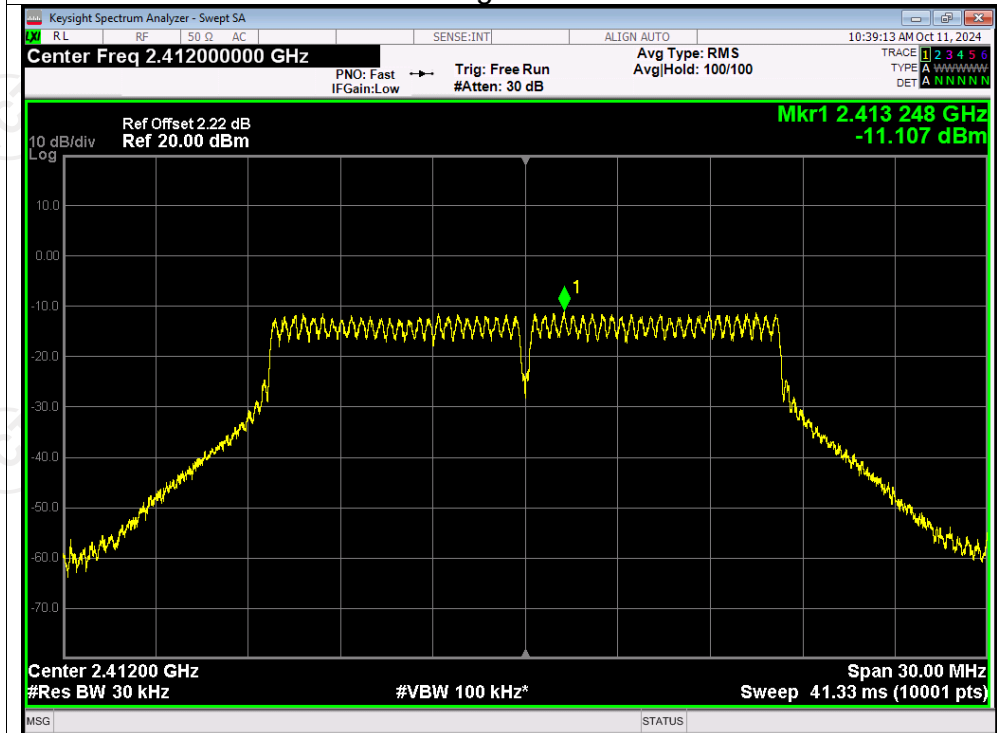
#### PSD NVNT b 2437MHz Ant2



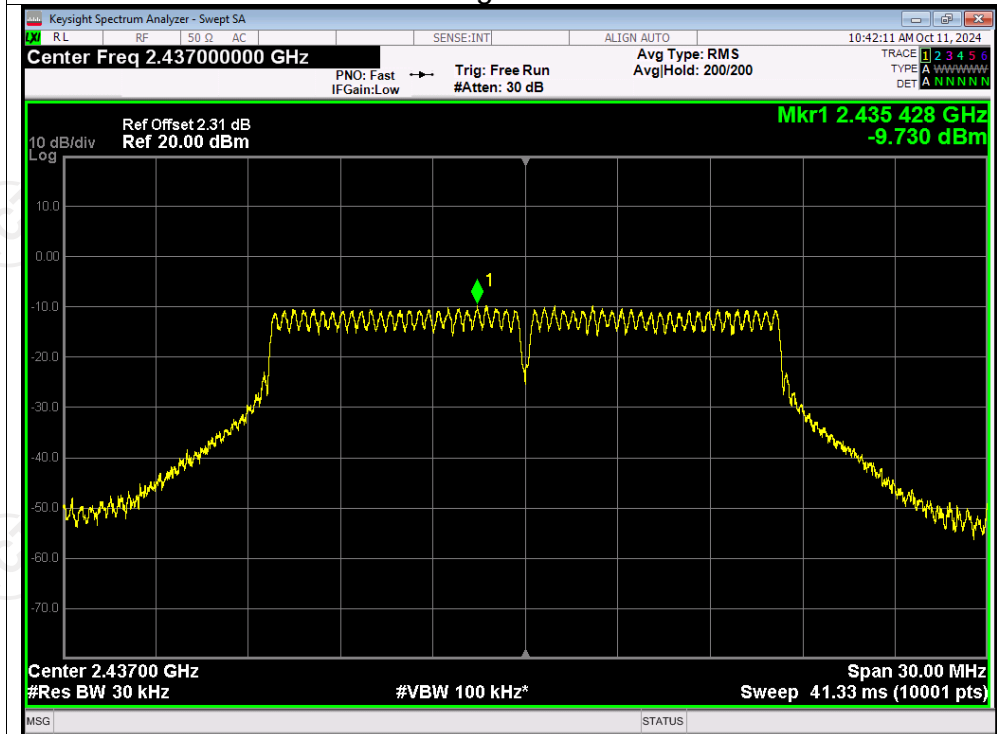
## PSD NVNT b 2462MHz Ant2



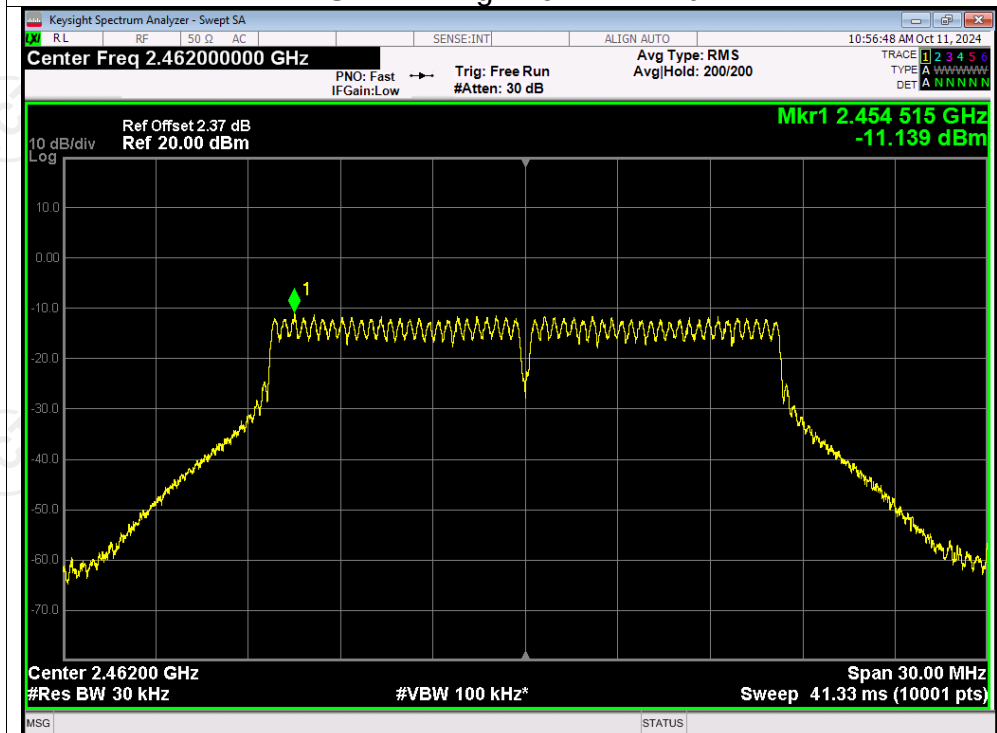
## PSD NVNT g 2412MHz Ant2

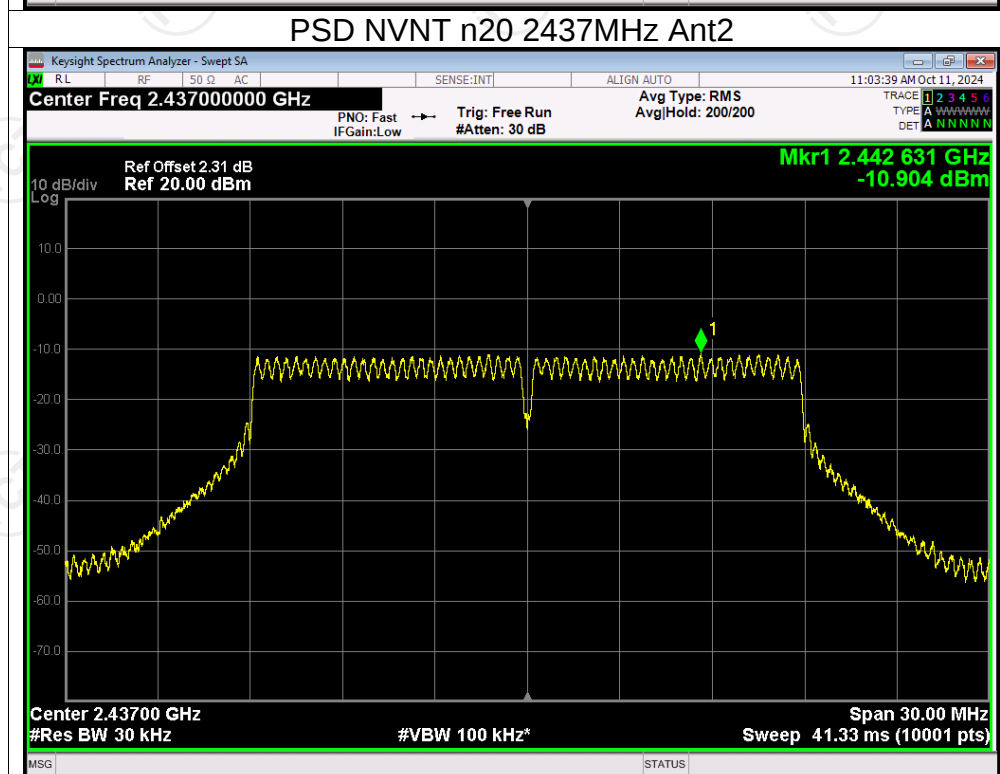
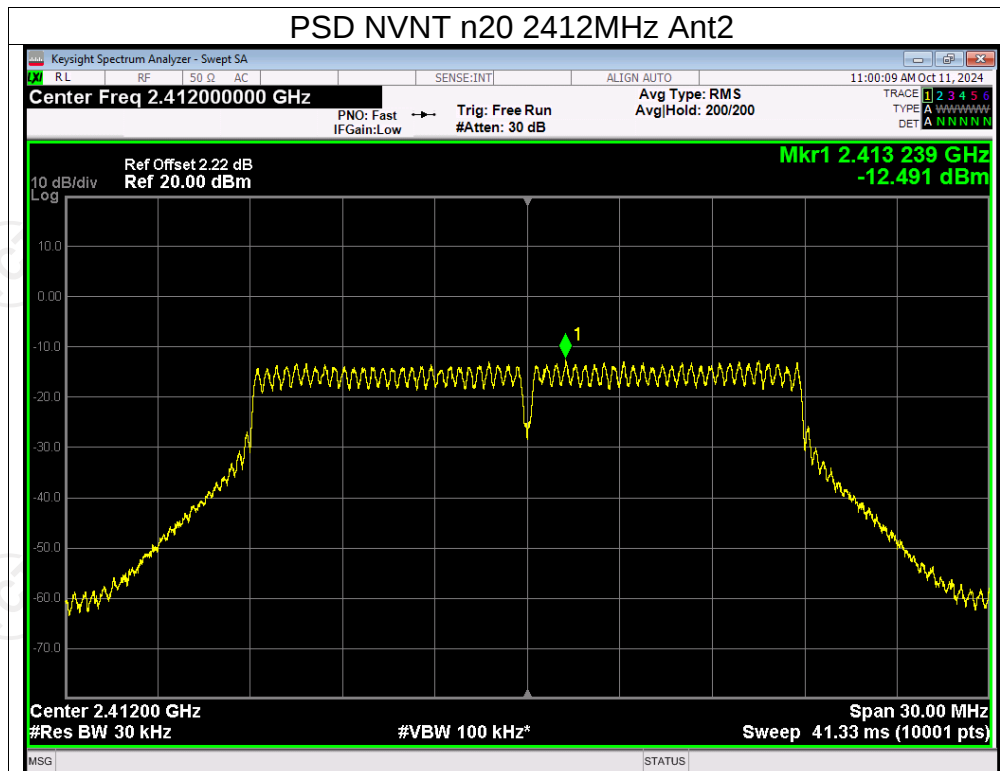


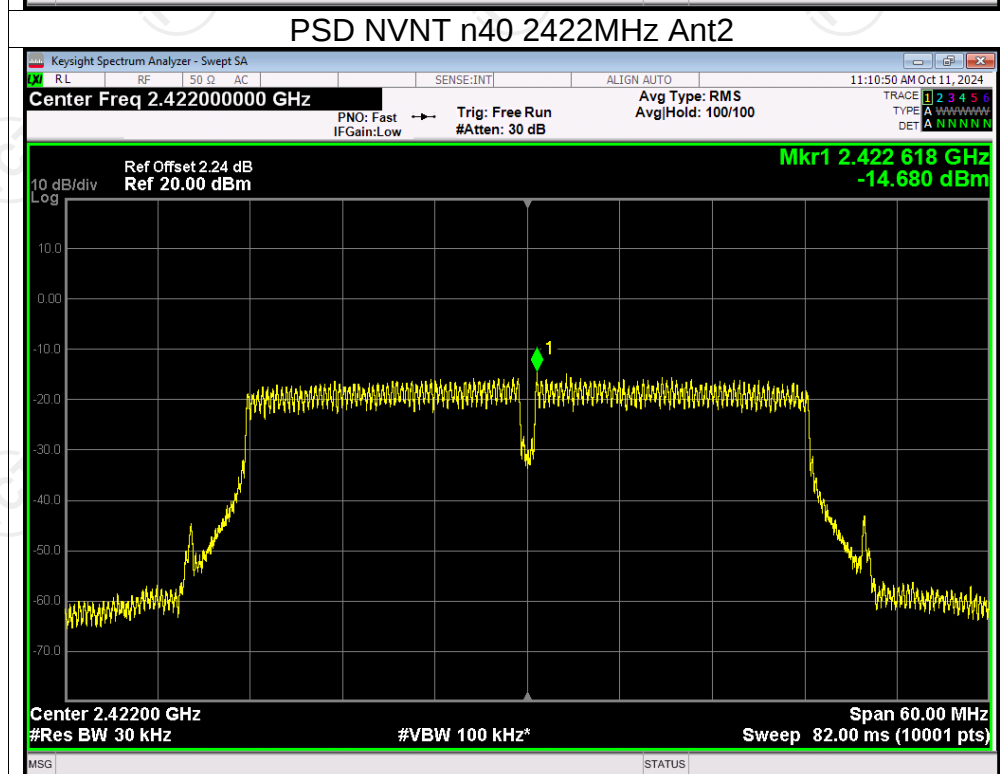
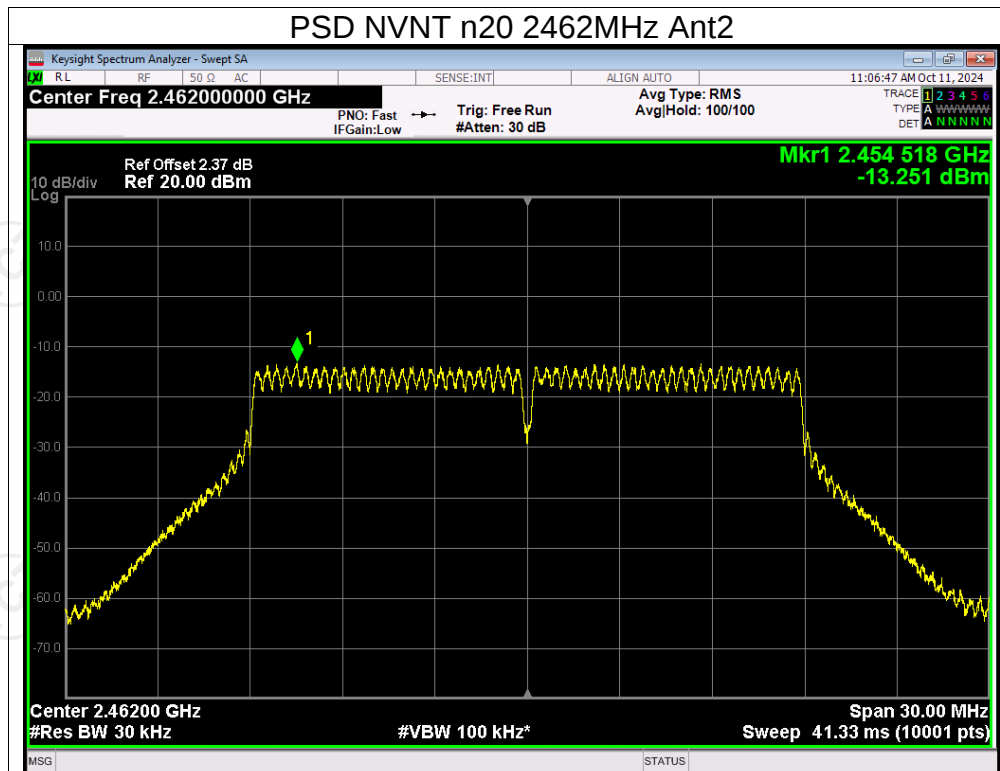
## PSD NVNT g 2437MHz Ant2



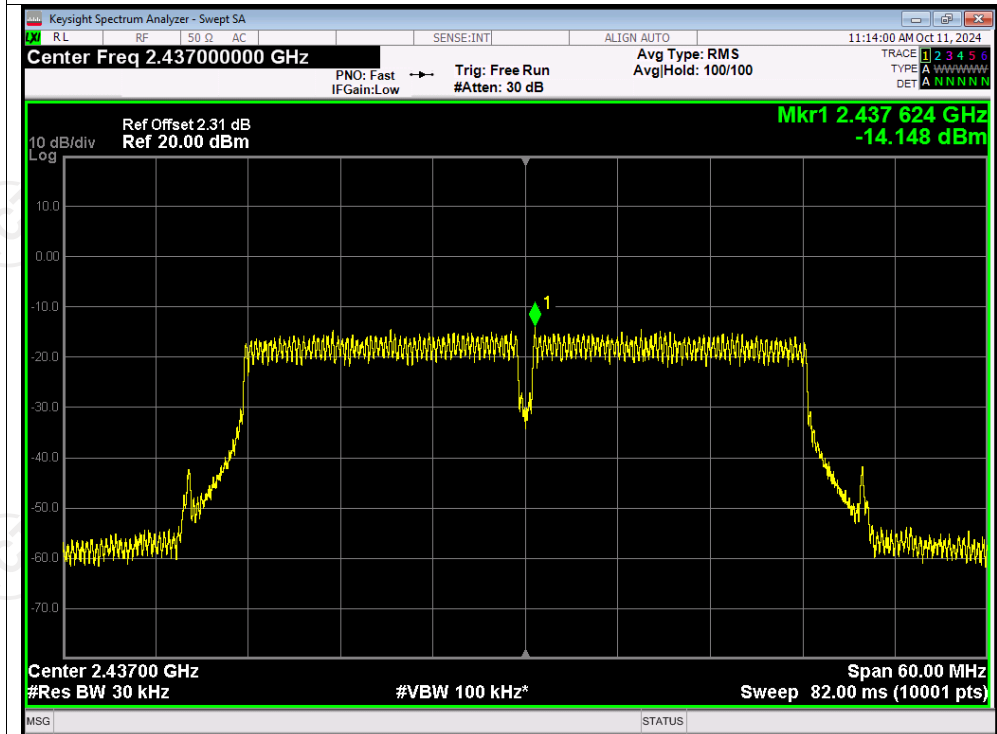
## PSD NVNT g 2462MHz Ant2



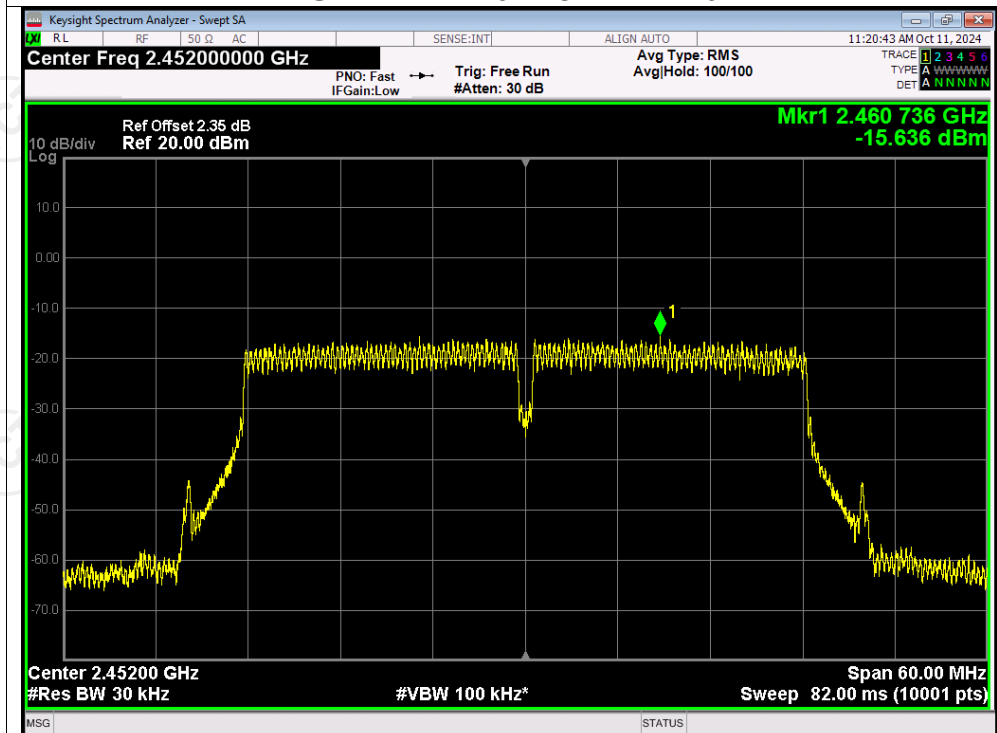




## PSD NVNT n40 2437MHz Ant2



## PSD NVNT n40 2452MHz Ant2

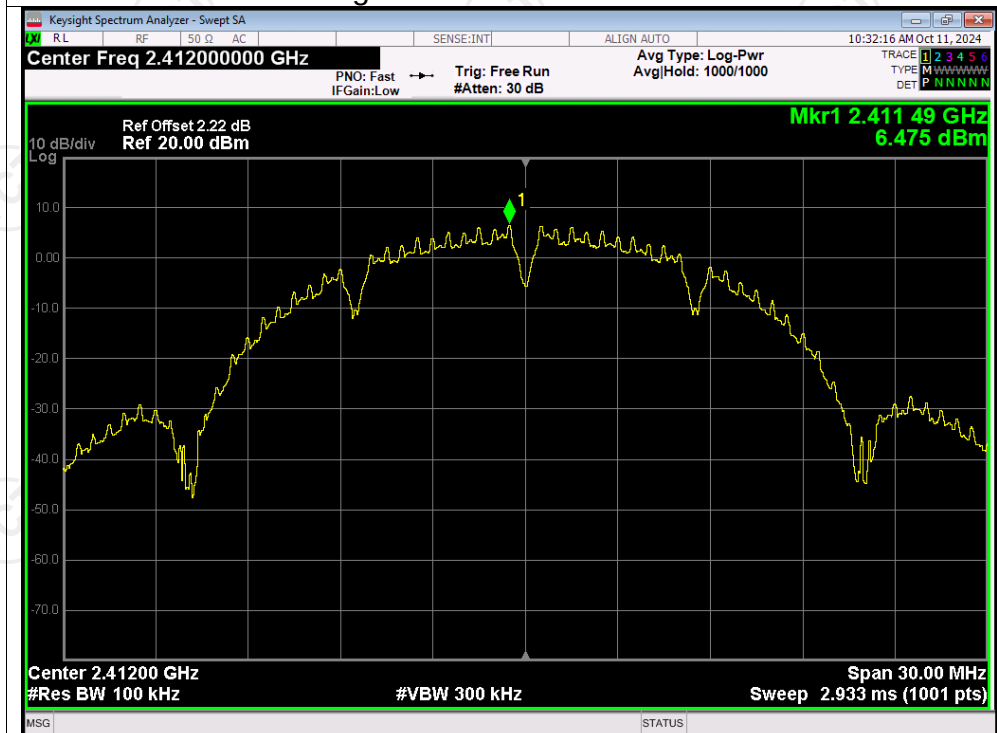


**Band Edge**

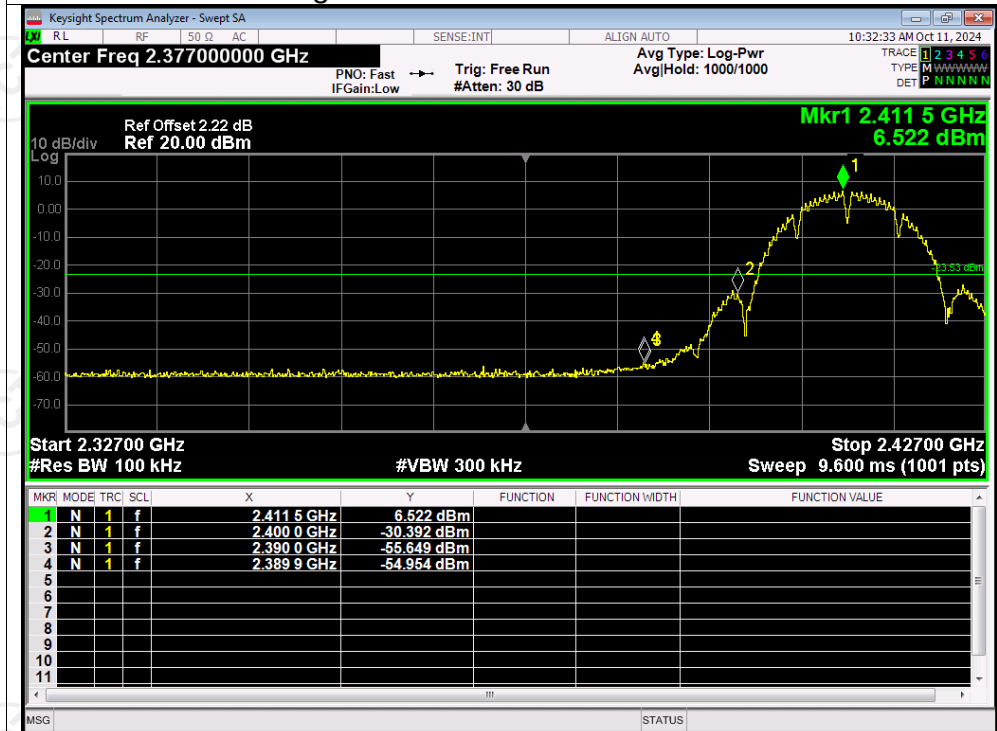
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b    | 2412            | Ant2    | -61.43          | -30         | Pass    |
| NVNT      | b    | 2462            | Ant2    | -58.96          | -30         | Pass    |
| NVNT      | g    | 2412            | Ant2    | -54.07          | -30         | Pass    |
| NVNT      | g    | 2462            | Ant2    | -53.11          | -30         | Pass    |
| NVNT      | n20  | 2412            | Ant2    | -54.22          | -30         | Pass    |
| NVNT      | n20  | 2462            | Ant2    | -51.39          | -30         | Pass    |
| NVNT      | n40  | 2422            | Ant2    | -46.38          | -30         | Pass    |
| NVNT      | n40  | 2452            | Ant2    | -44.05          | -30         | Pass    |

## Test Graphs

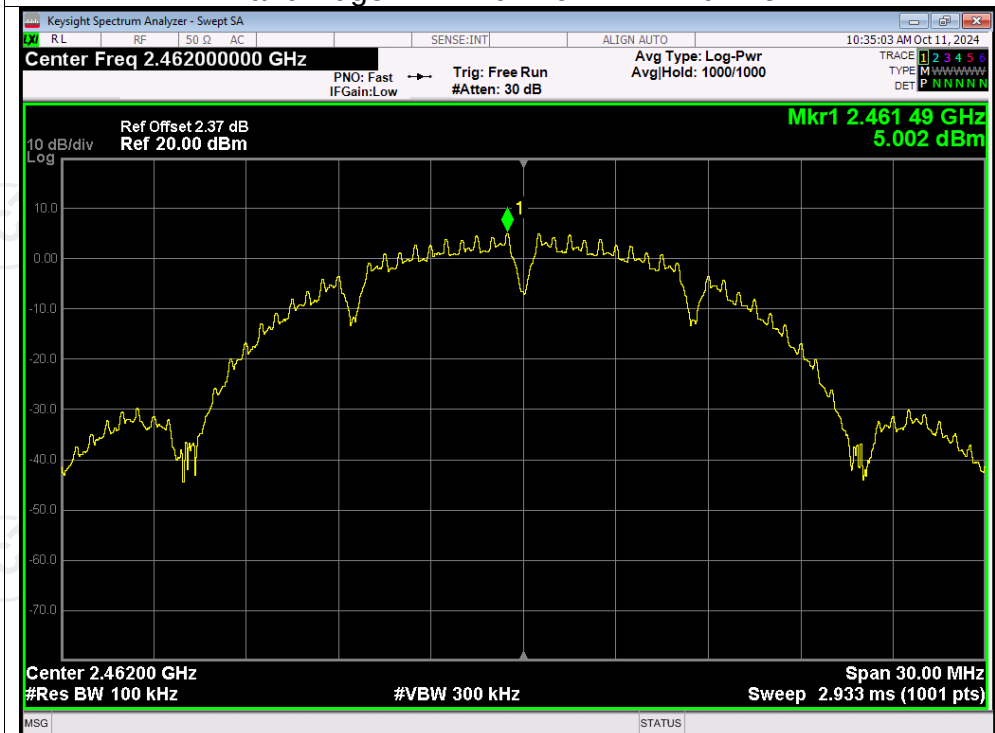
### Band Edge NVNT b 2412MHz Ant2 Ref



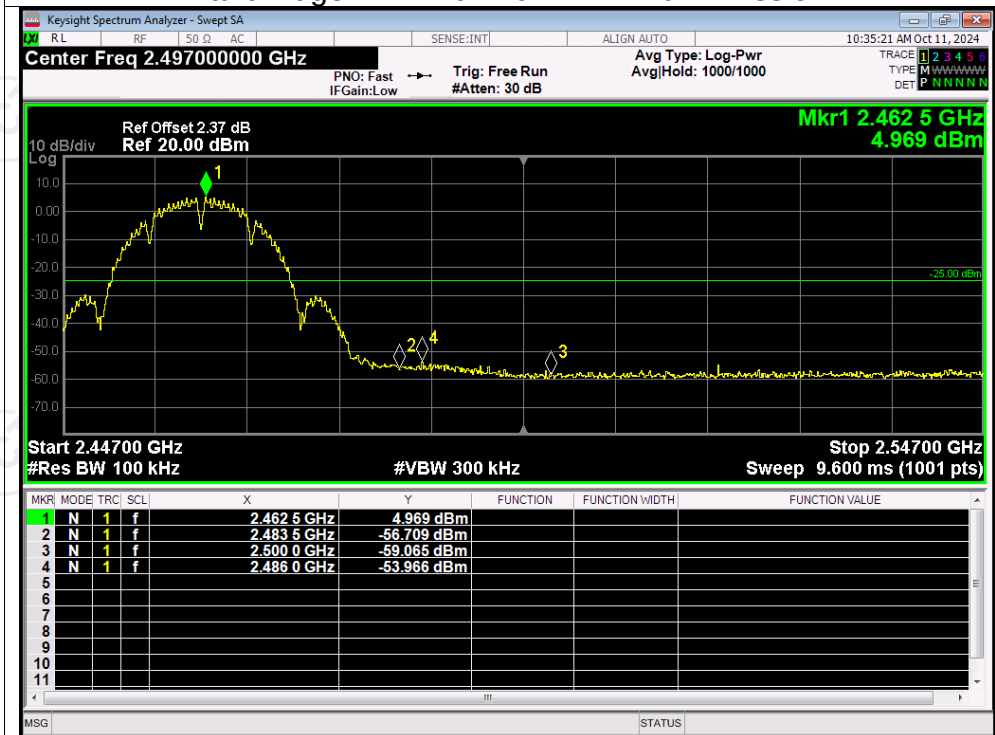
### Band Edge NVNT b 2412MHz Ant2 Emission



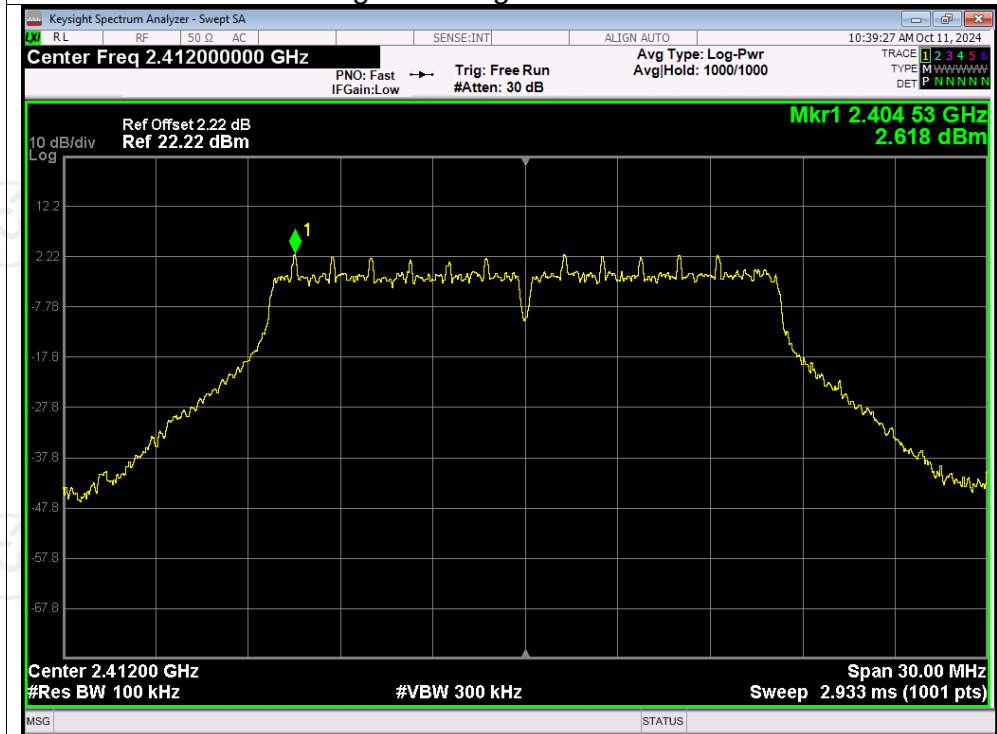
## Band Edge NVNT b 2462MHz Ant2 Ref



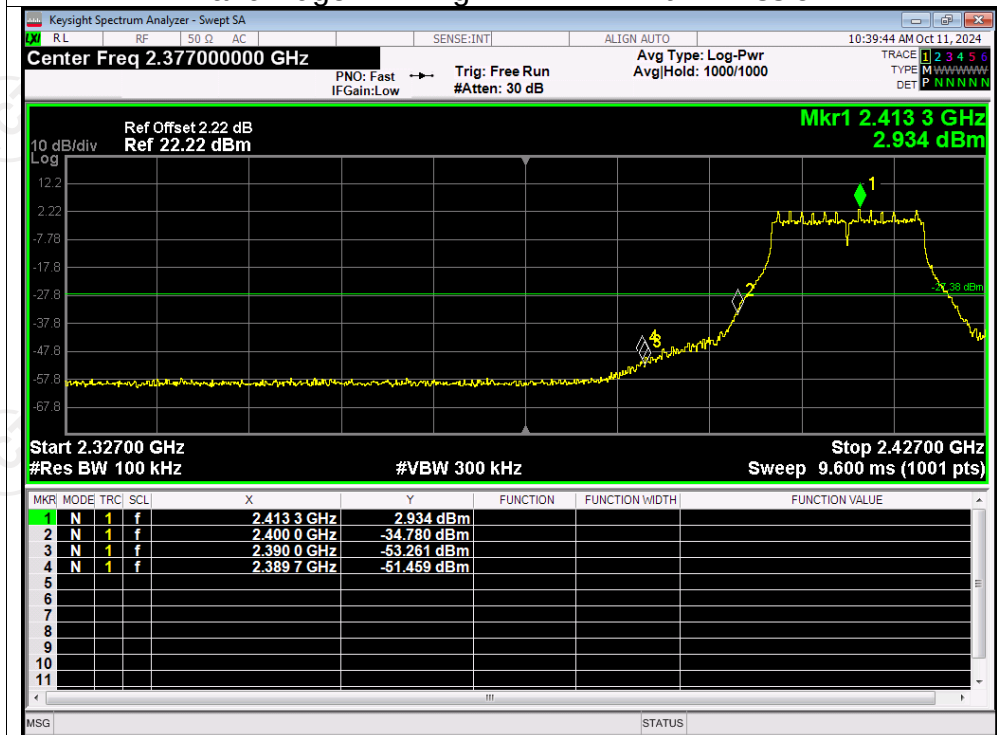
## Band Edge NVNT b 2462MHz Ant2 Emission



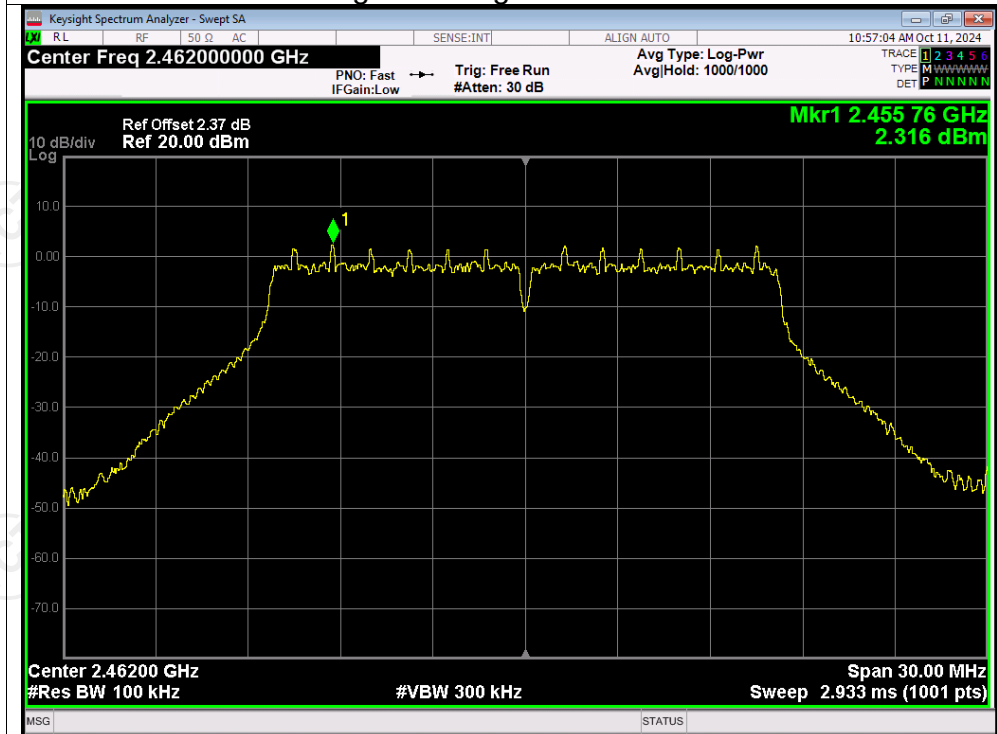
## Band Edge NVNT g 2412MHz Ant2 Ref



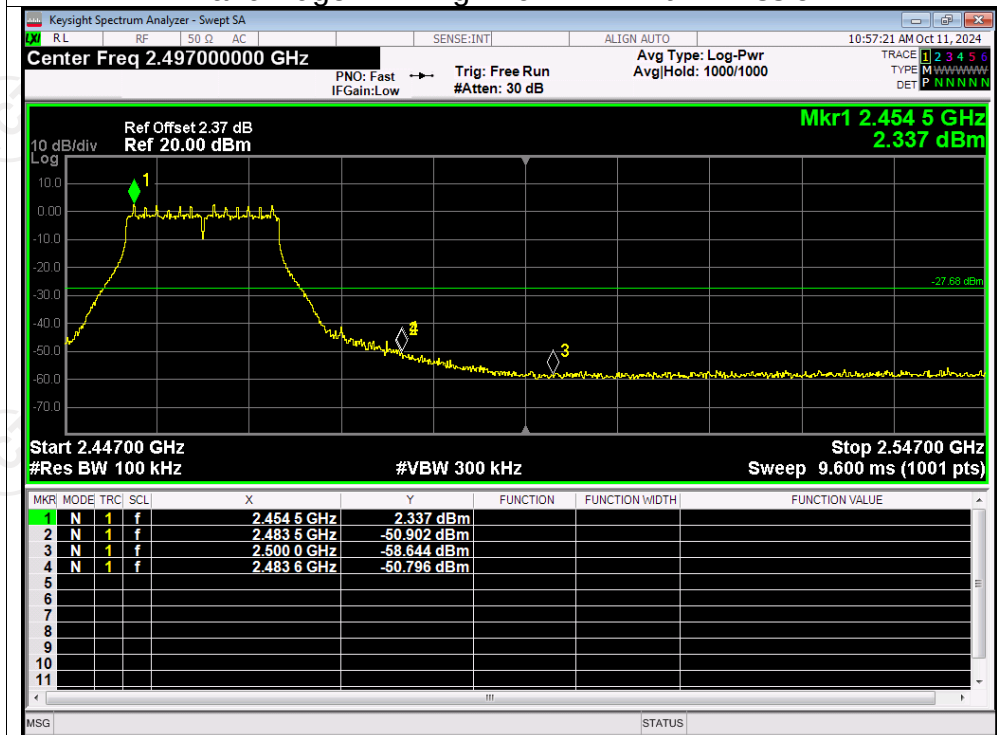
## Band Edge NVNT g 2412MHz Ant2 Emission

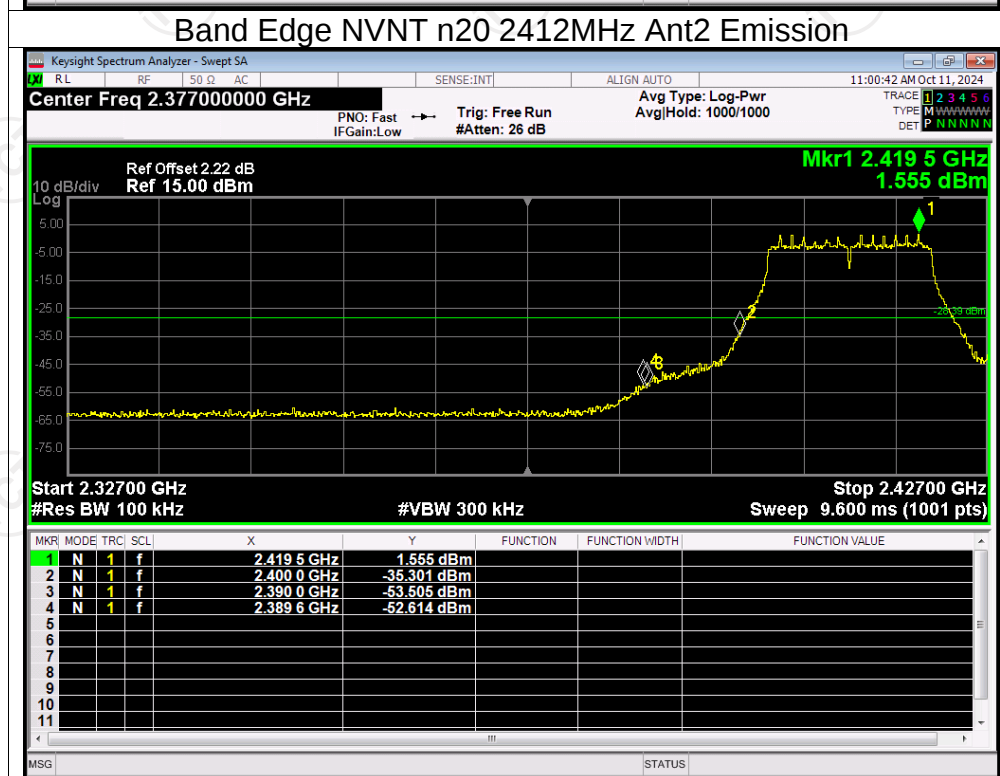
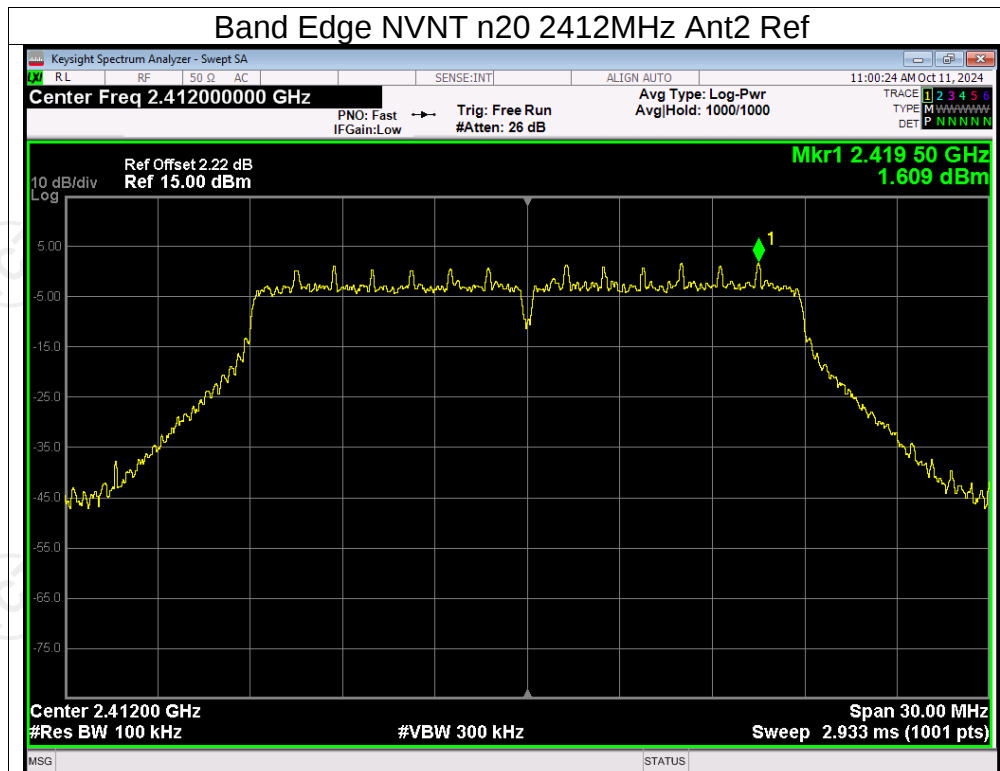


## Band Edge NVNT g 2462MHz Ant2 Ref

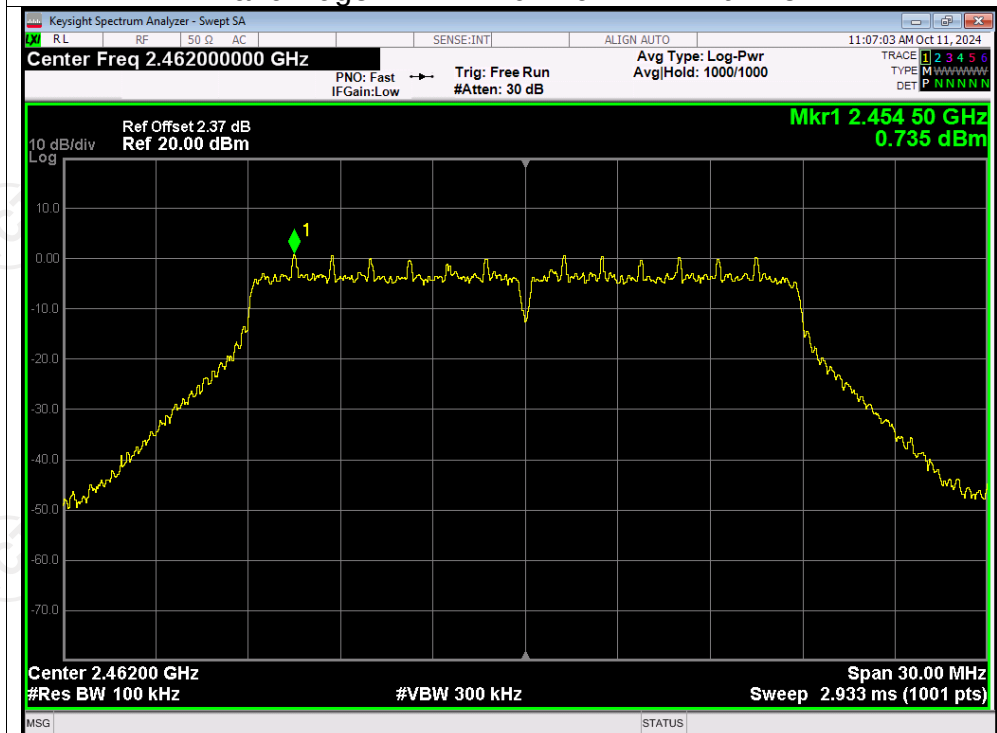


## Band Edge NVNT g 2462MHz Ant2 Emission

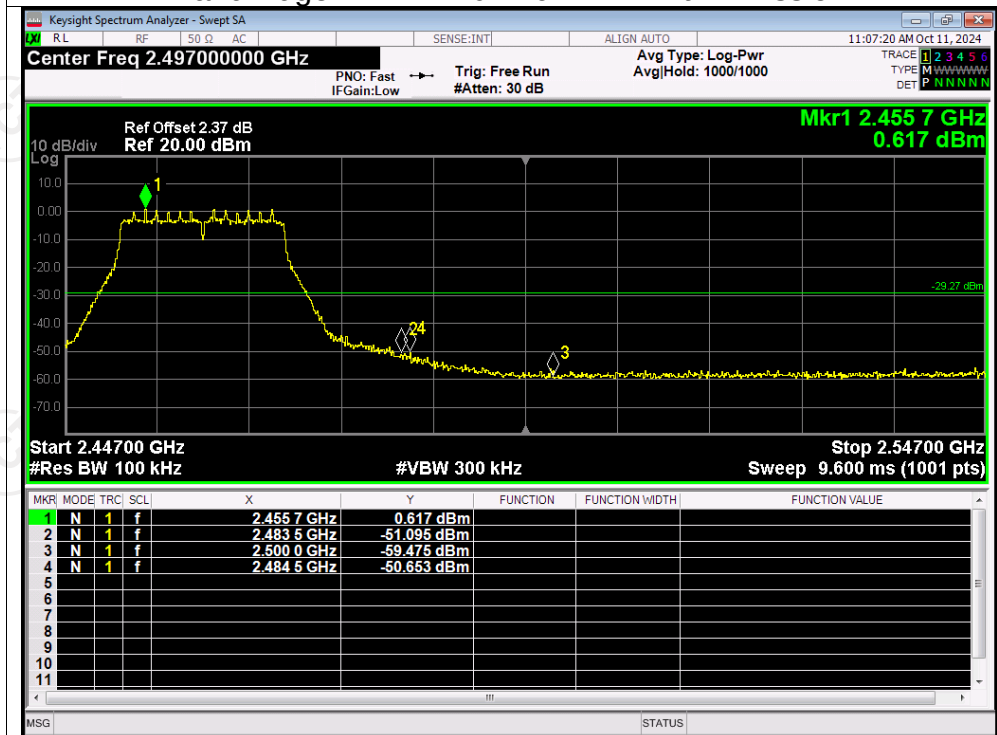




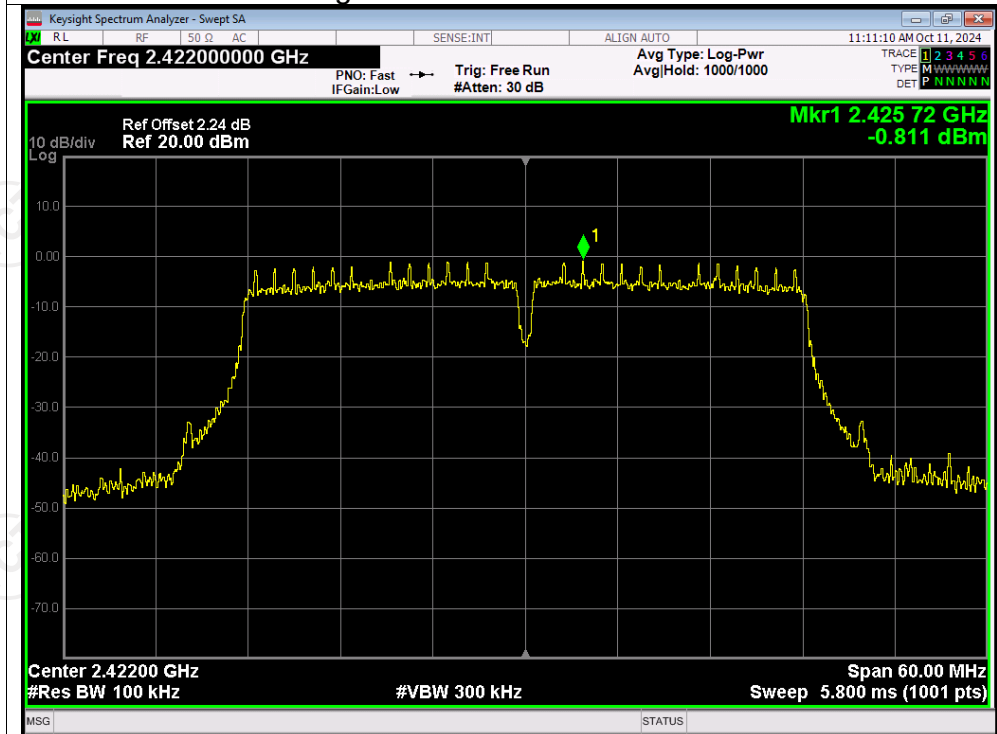
## Band Edge NVNT n20 2462MHz Ant2 Ref



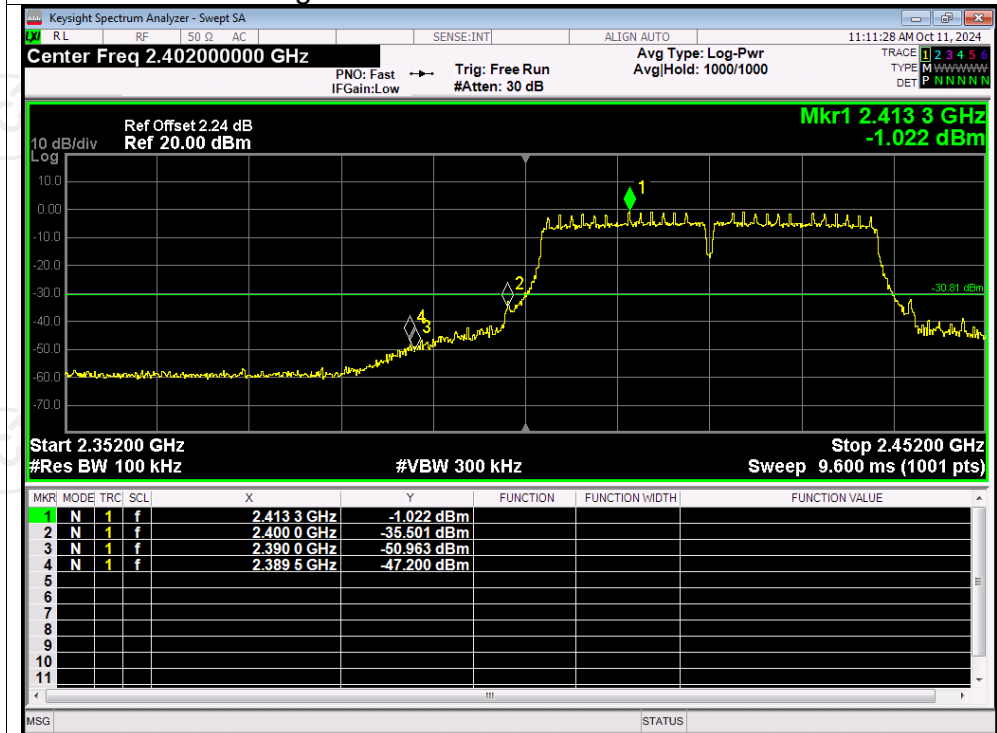
## Band Edge NVNT n20 2462MHz Ant2 Emission



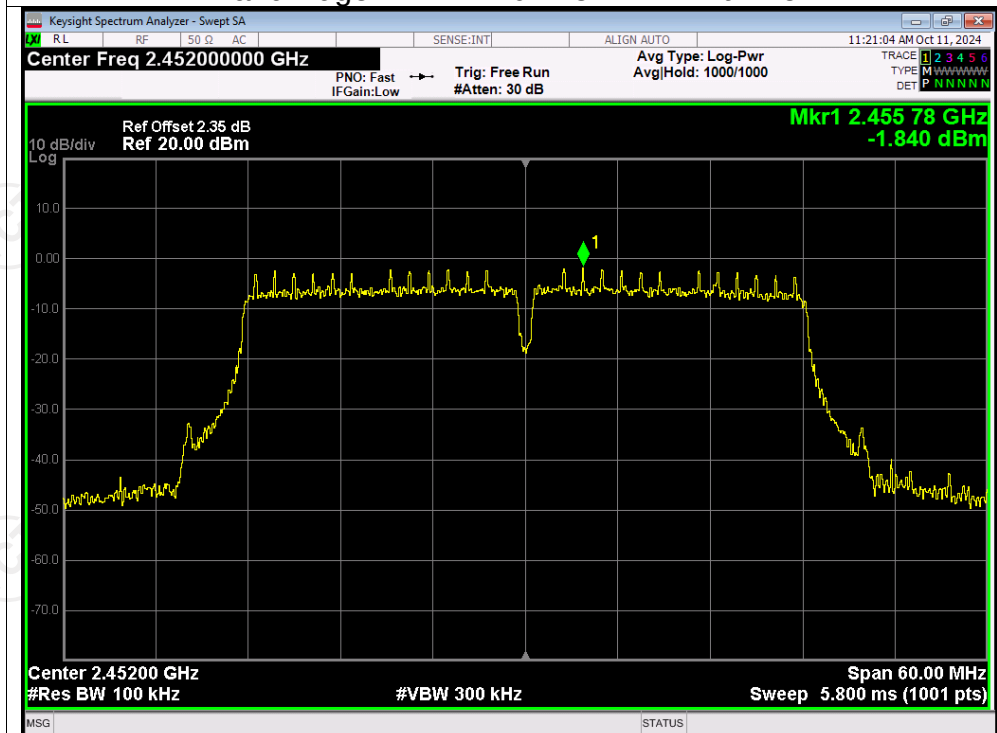
## Band Edge NVNT n40 2422MHz Ant2 Ref



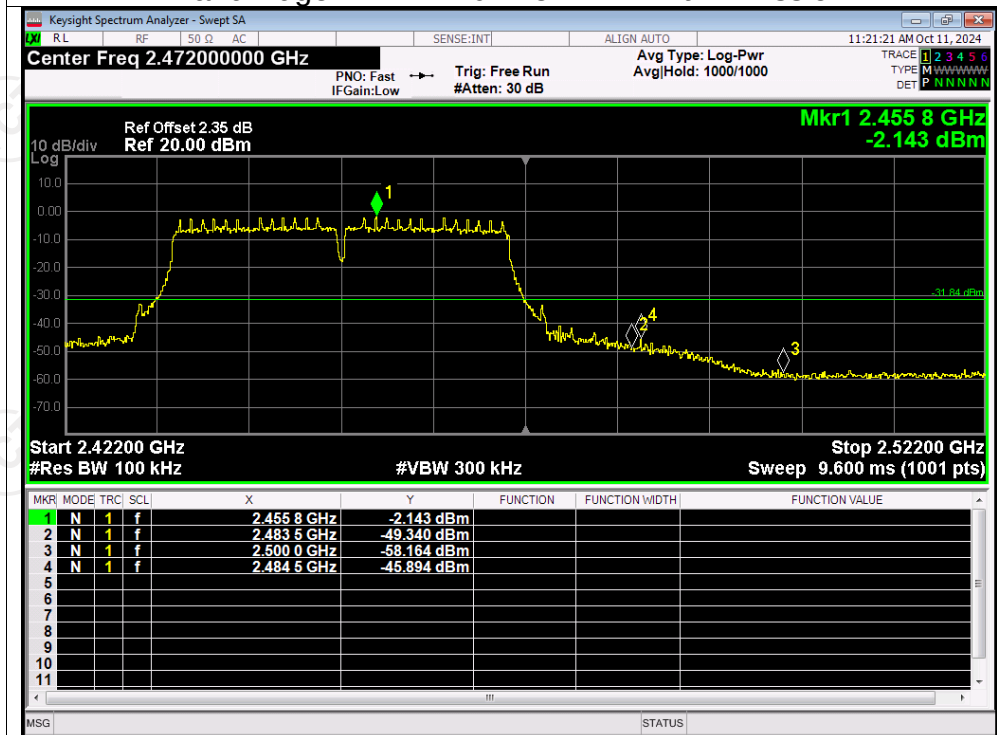
## Band Edge NVNT n40 2422MHz Ant2 Emission



## Band Edge NVNT n40 2452MHz Ant2 Ref



## Band Edge NVNT n40 2452MHz Ant2 Emission

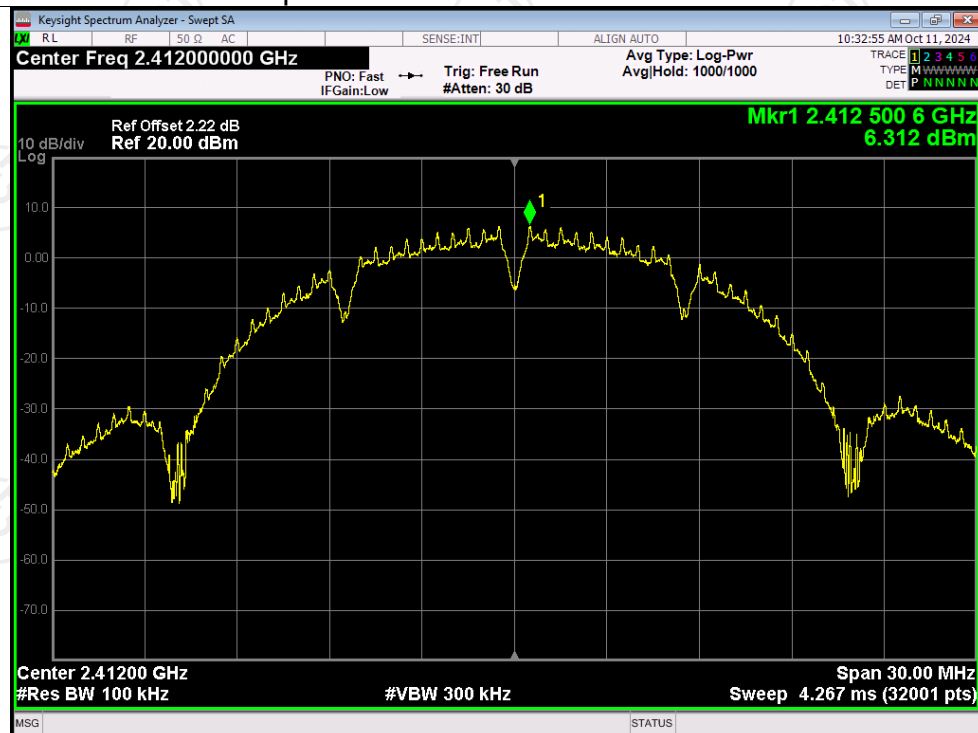


### Conducted RF Spurious Emission

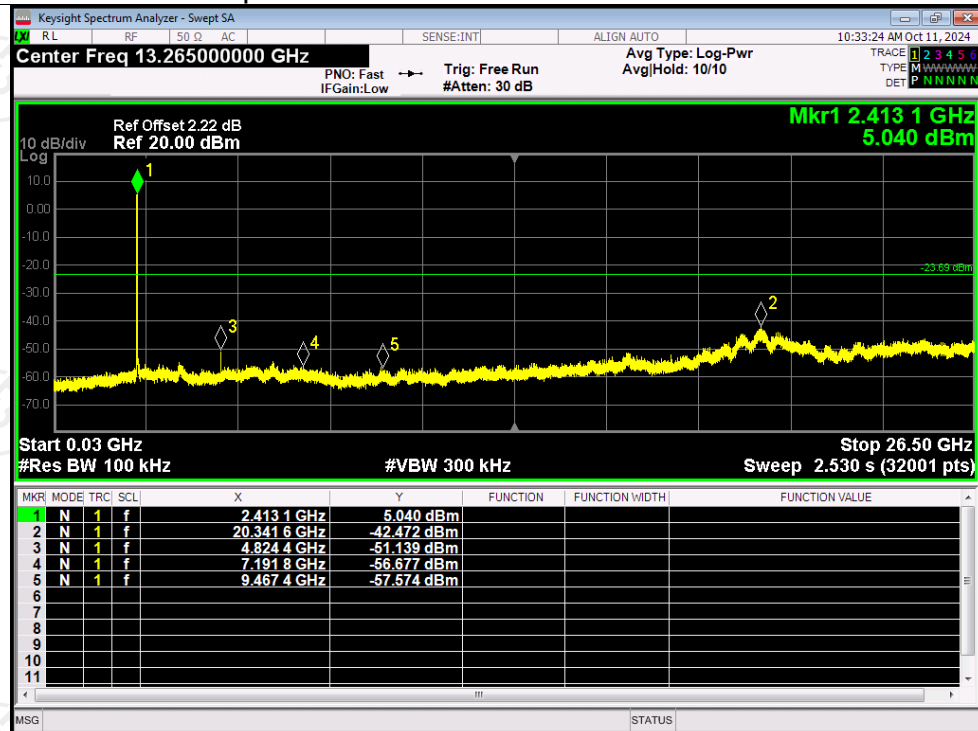
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b    | 2412            | Ant2    | -48.78          | -30         | Pass    |
| NVNT      | b    | 2437            | Ant2    | -48.97          | -30         | Pass    |
| NVNT      | b    | 2462            | Ant2    | -47.25          | -30         | Pass    |
| NVNT      | g    | 2412            | Ant2    | -45.45          | -30         | Pass    |
| NVNT      | g    | 2437            | Ant2    | -47.49          | -30         | Pass    |
| NVNT      | g    | 2462            | Ant2    | -44.84          | -30         | Pass    |
| NVNT      | n20  | 2412            | Ant2    | -43.98          | -30         | Pass    |
| NVNT      | n20  | 2437            | Ant2    | -46.39          | -30         | Pass    |
| NVNT      | n20  | 2462            | Ant2    | -43.00          | -30         | Pass    |
| NVNT      | n40  | 2422            | Ant2    | -41.27          | -30         | Pass    |
| NVNT      | n40  | 2437            | Ant2    | -42.17          | -30         | Pass    |
| NVNT      | n40  | 2452            | Ant2    | -39.57          | -30         | Pass    |

## Test Graphs

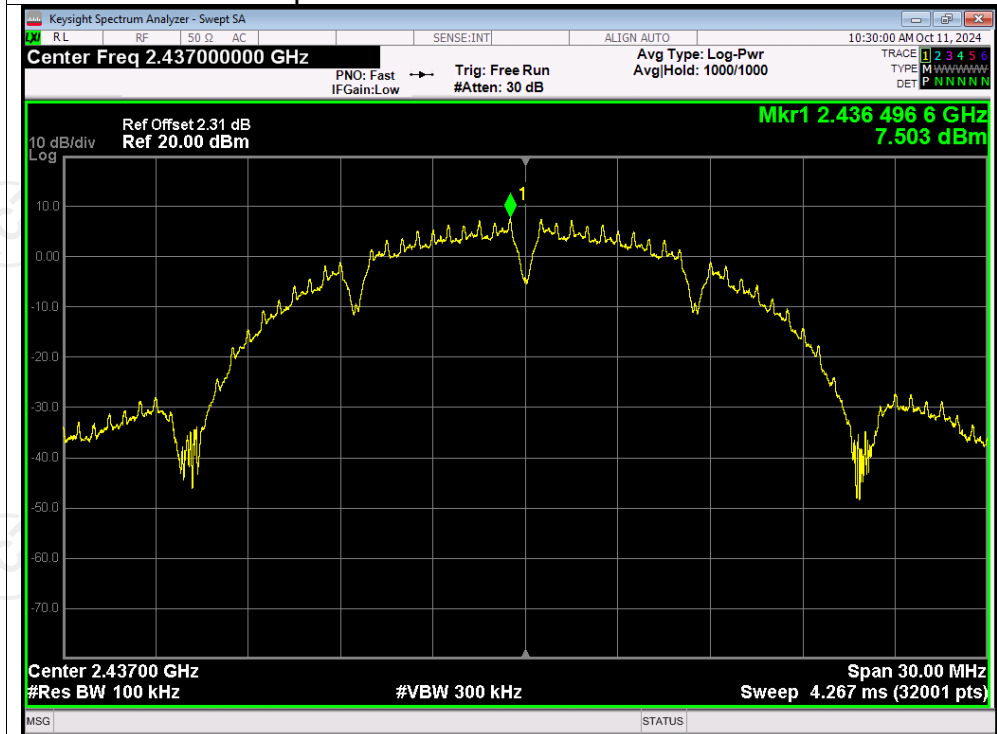
### Tx. Spurious NVNT b 2412MHz Ant2 Ref



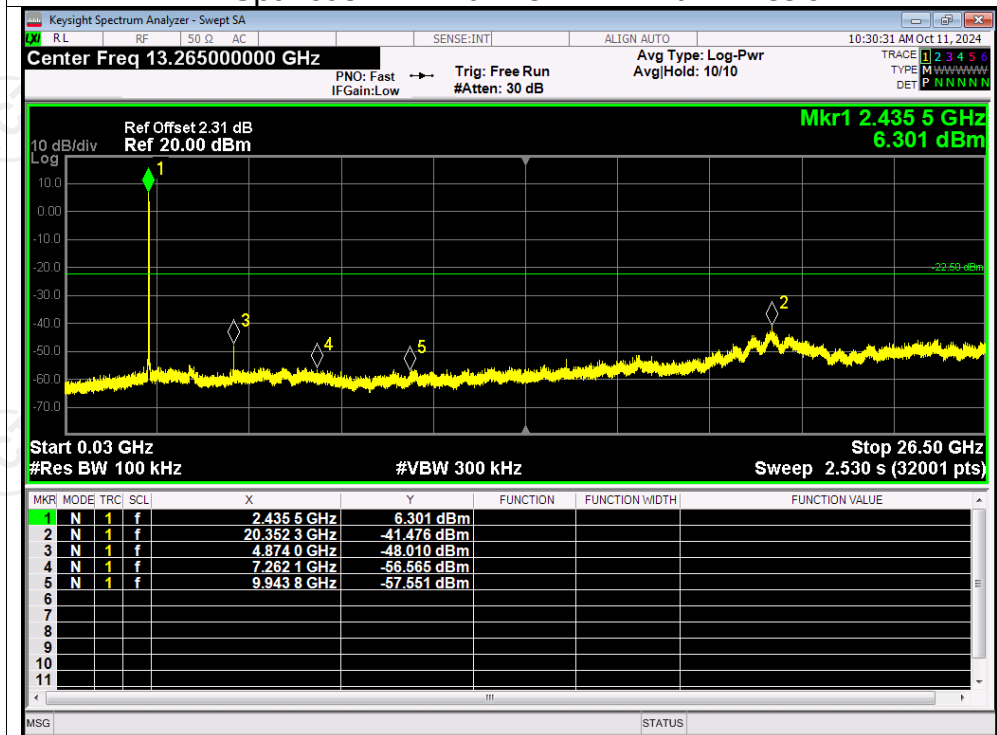
### Tx. Spurious NVNT b 2412MHz Ant2 Emission



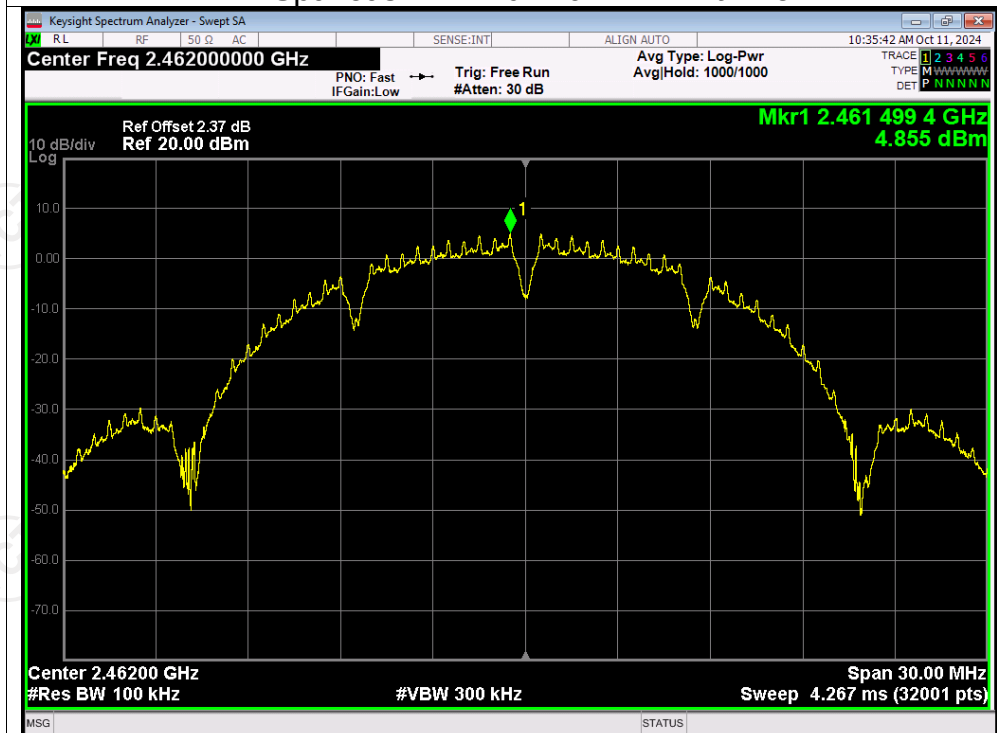
## Tx. Spurious NVNT b 2437MHz Ant2 Ref



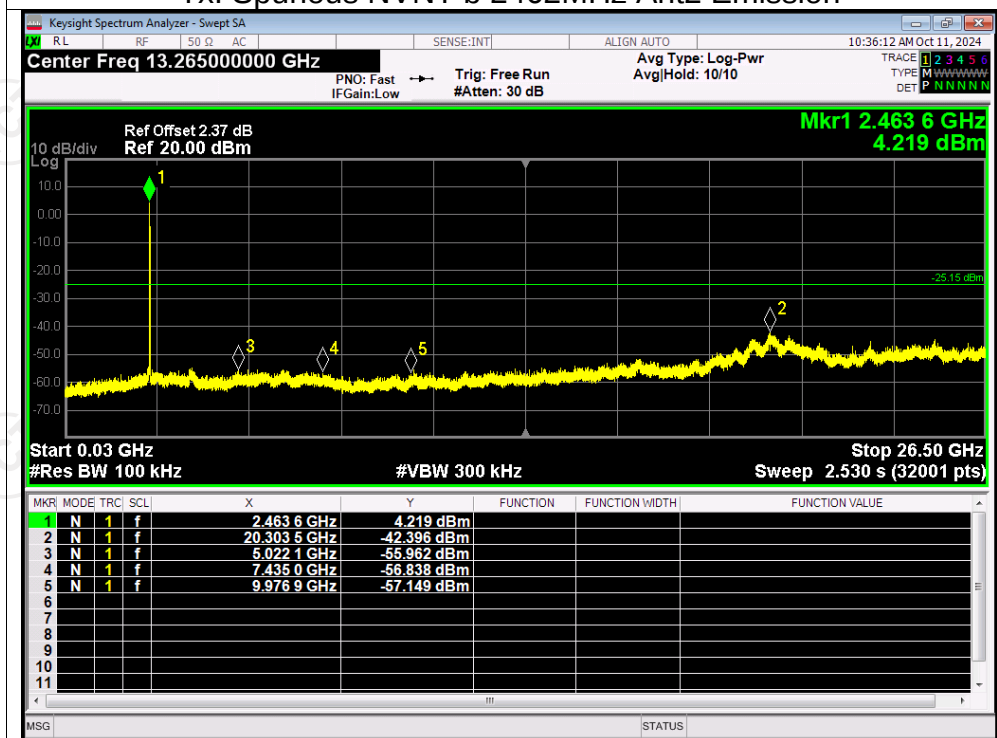
## Tx. Spurious NVNT b 2437MHz Ant2 Emission



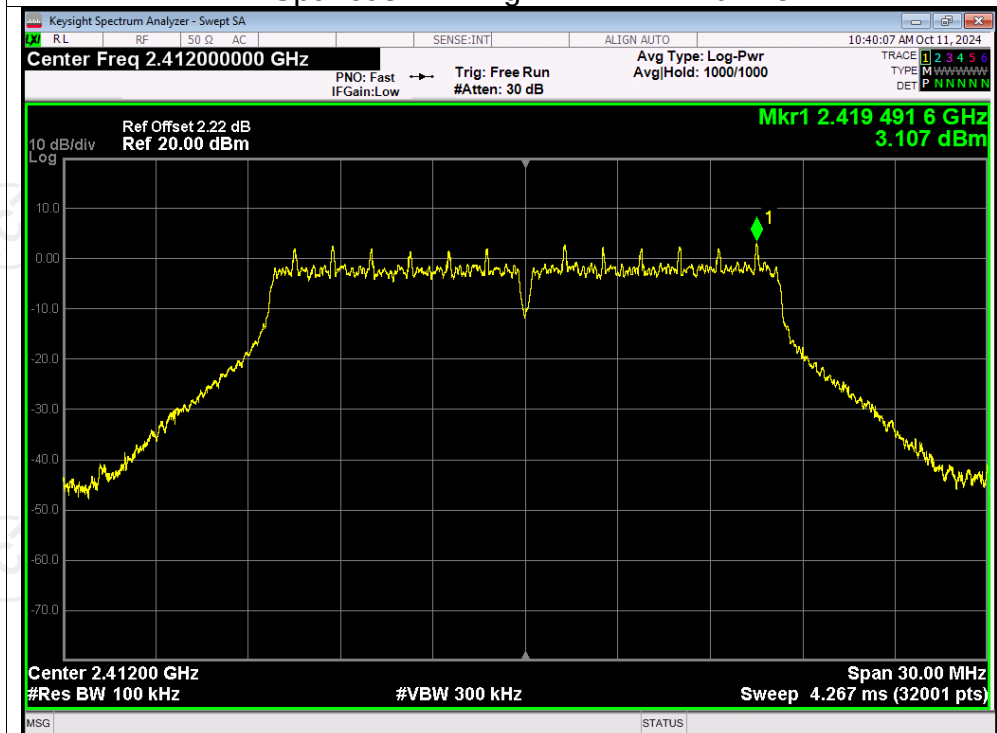
## Tx. Spurious NVNT b 2462MHz Ant2 Ref



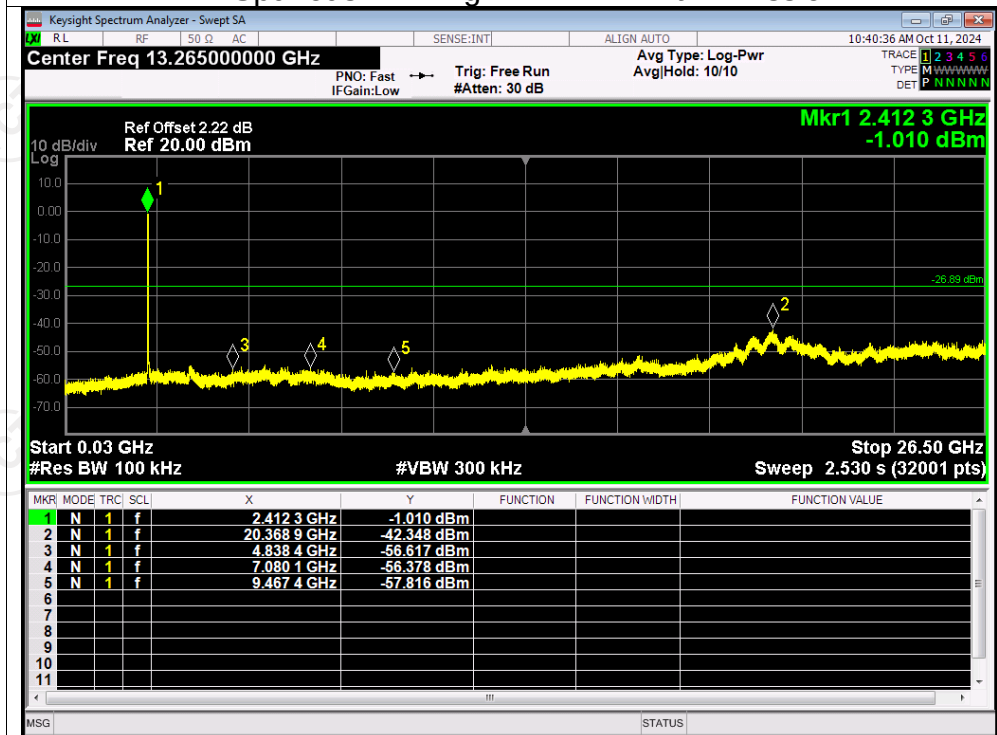
## Tx. Spurious NVNT b 2462MHz Ant2 Emission



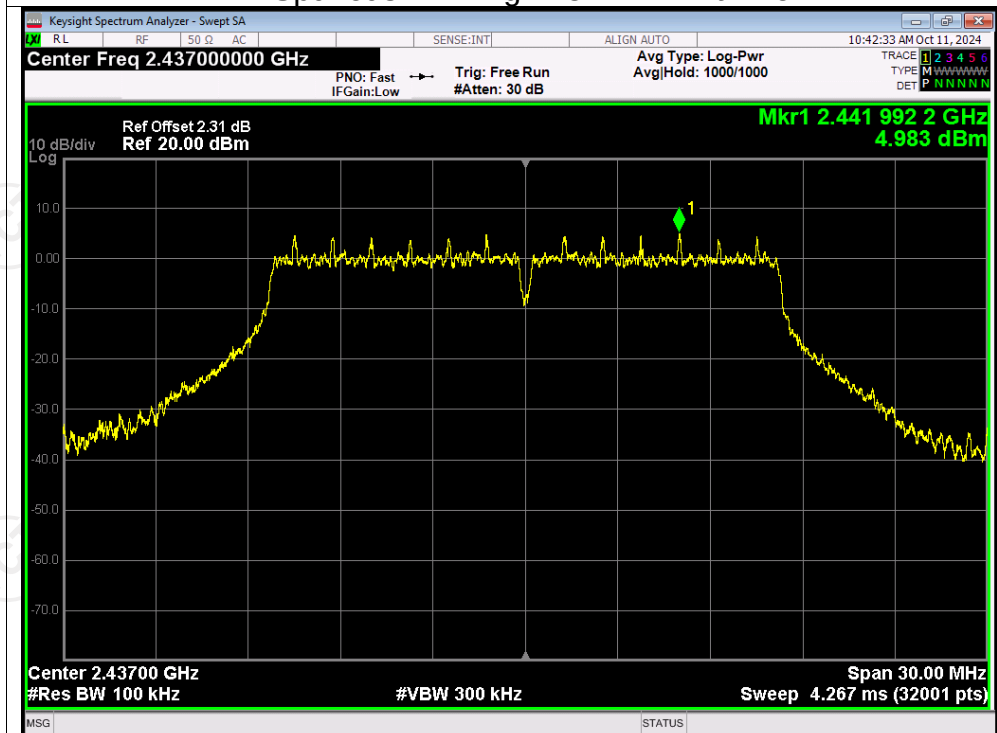
## Tx. Spurious NVNT g 2412MHz Ant2 Ref



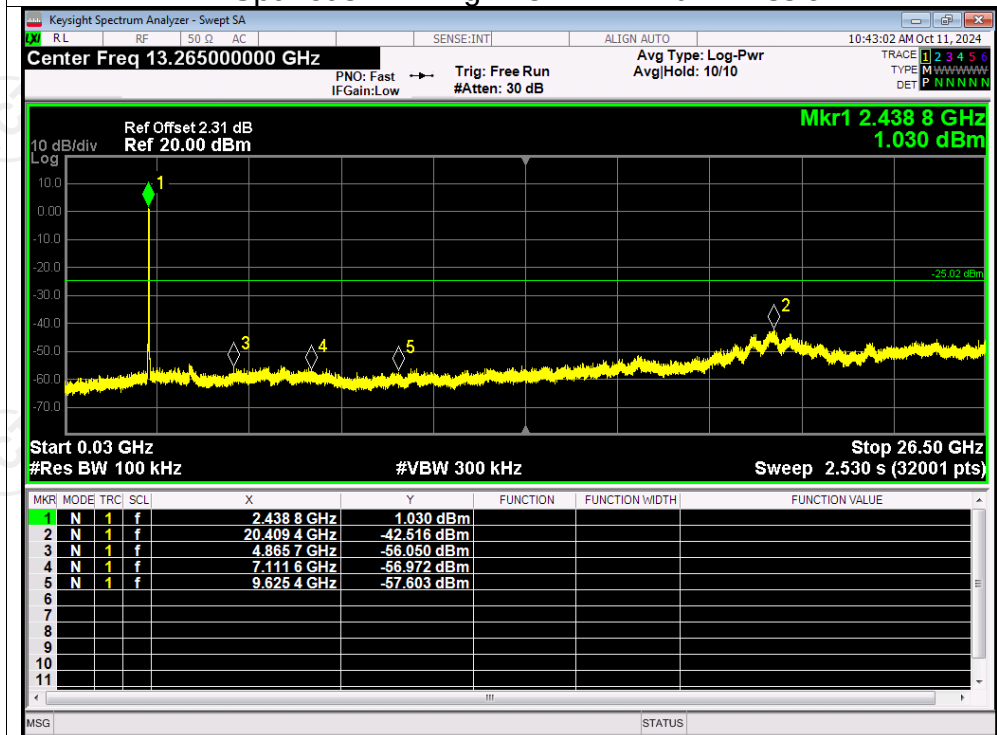
## Tx. Spurious NVNT g 2412MHz Ant2 Emission



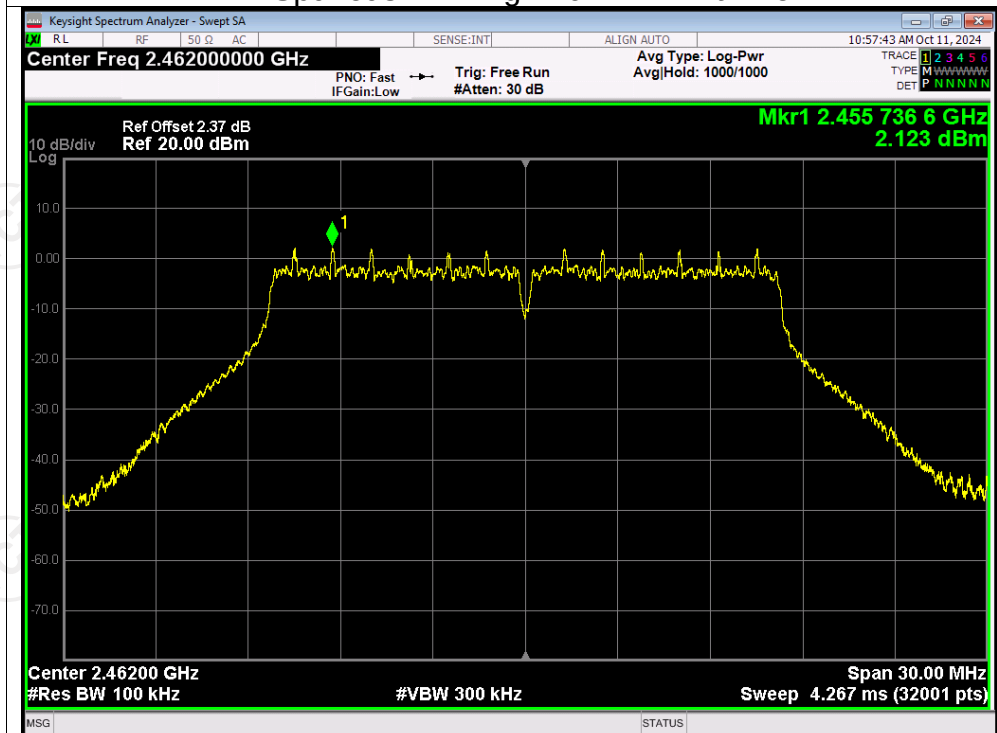
## Tx. Spurious NVNT g 2437MHz Ant2 Ref



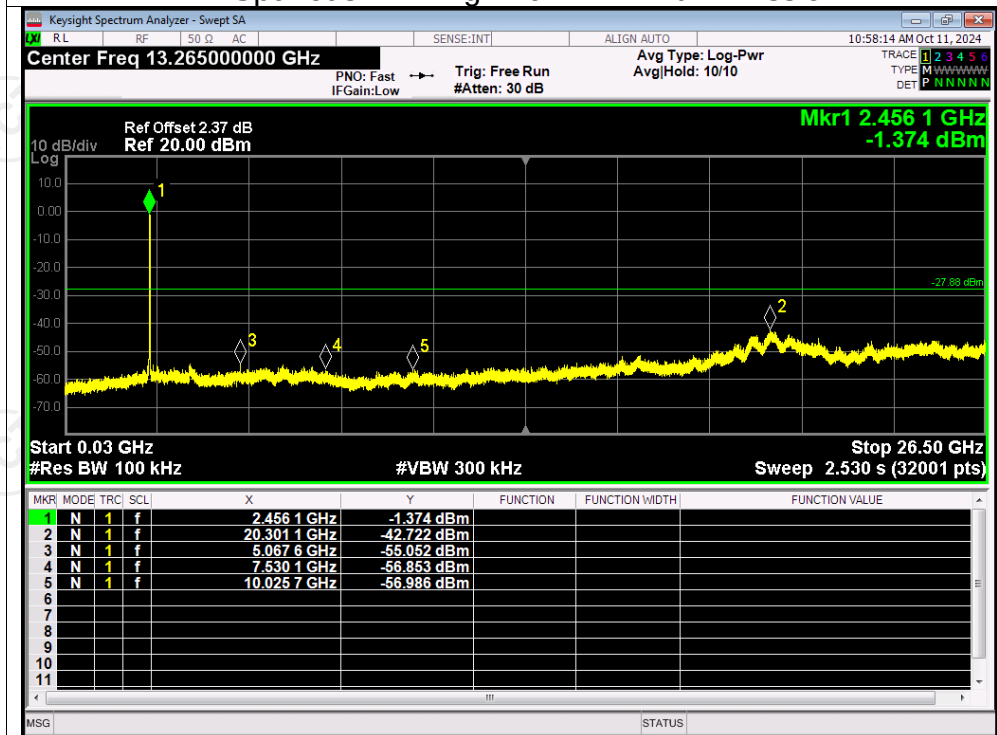
## Tx. Spurious NVNT g 2437MHz Ant2 Emission

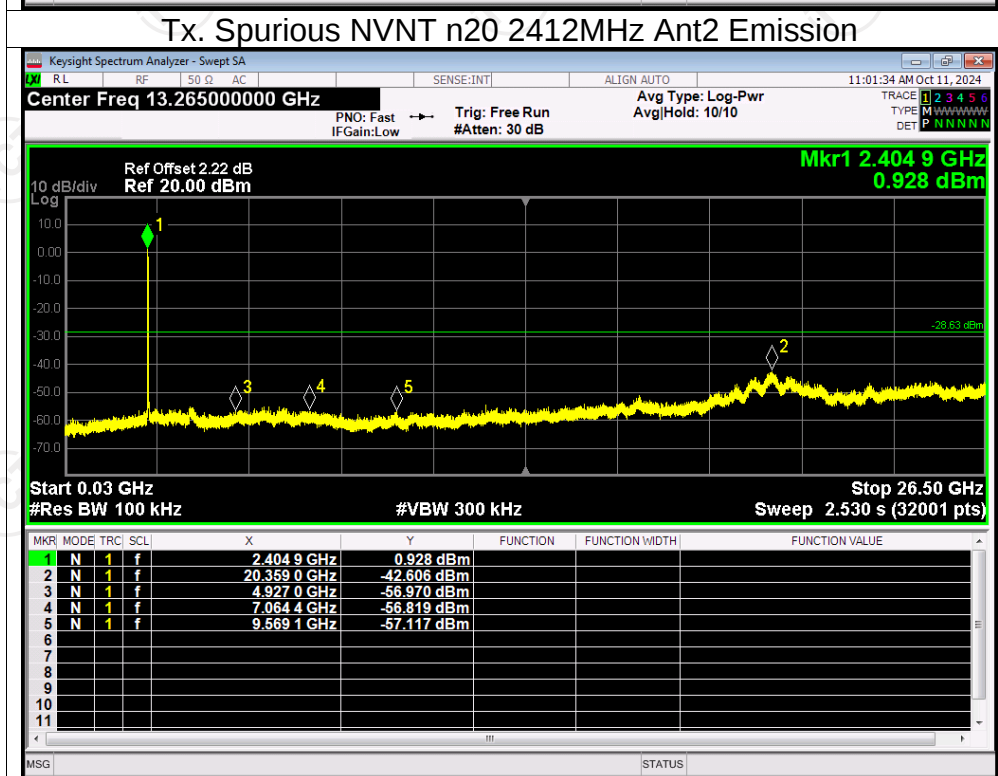
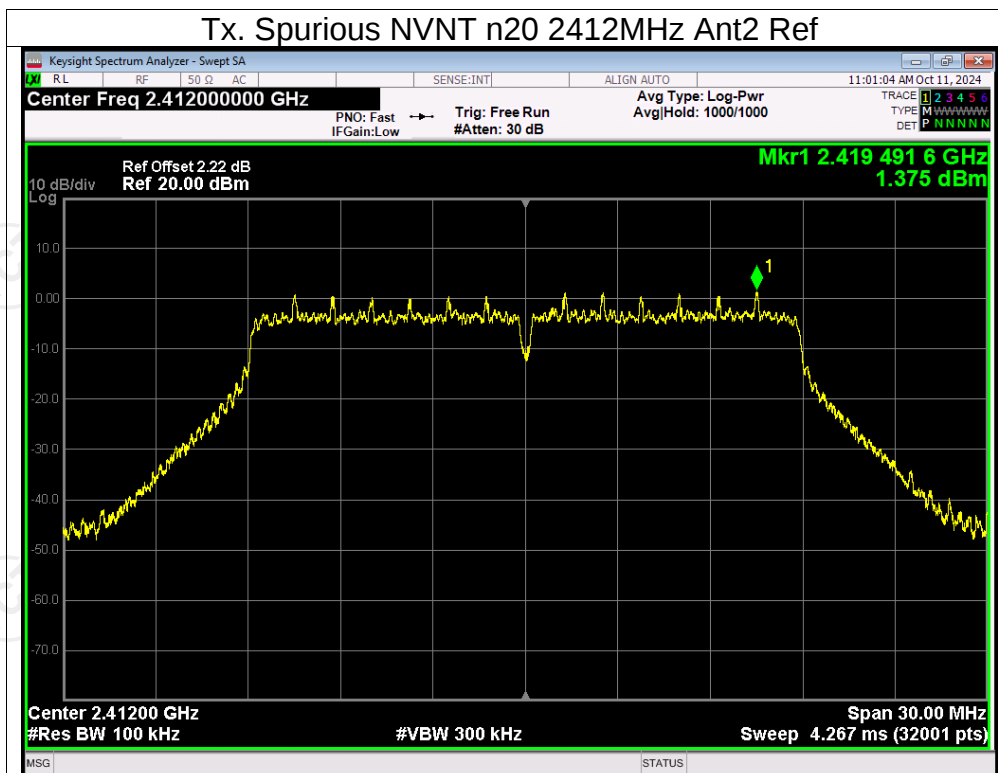


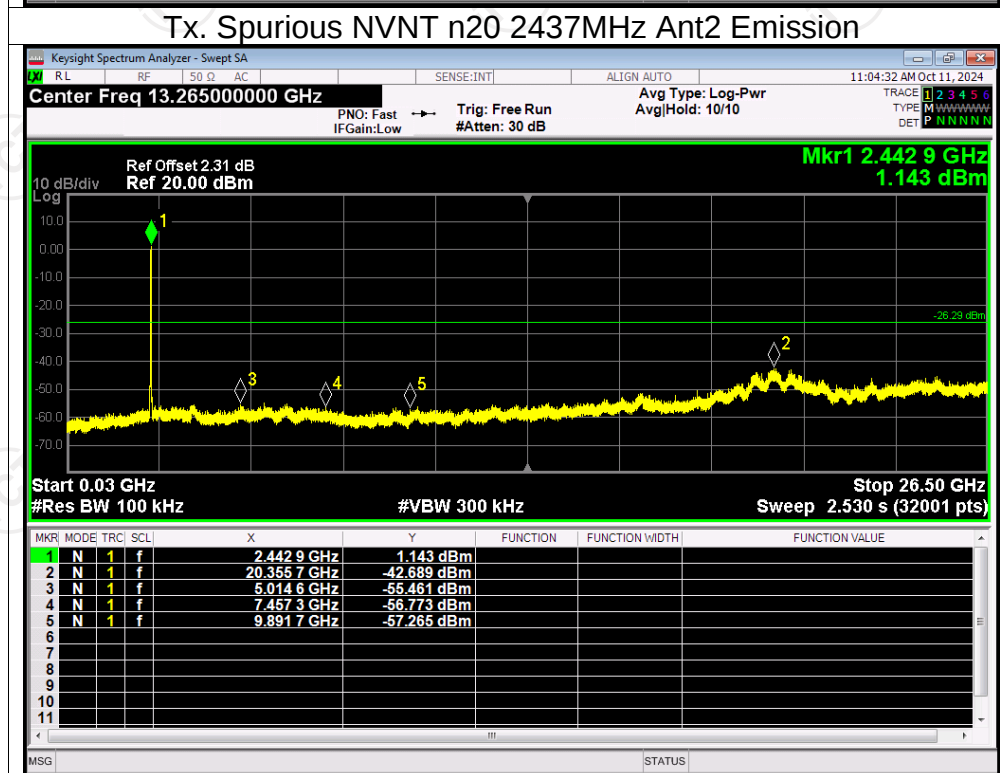
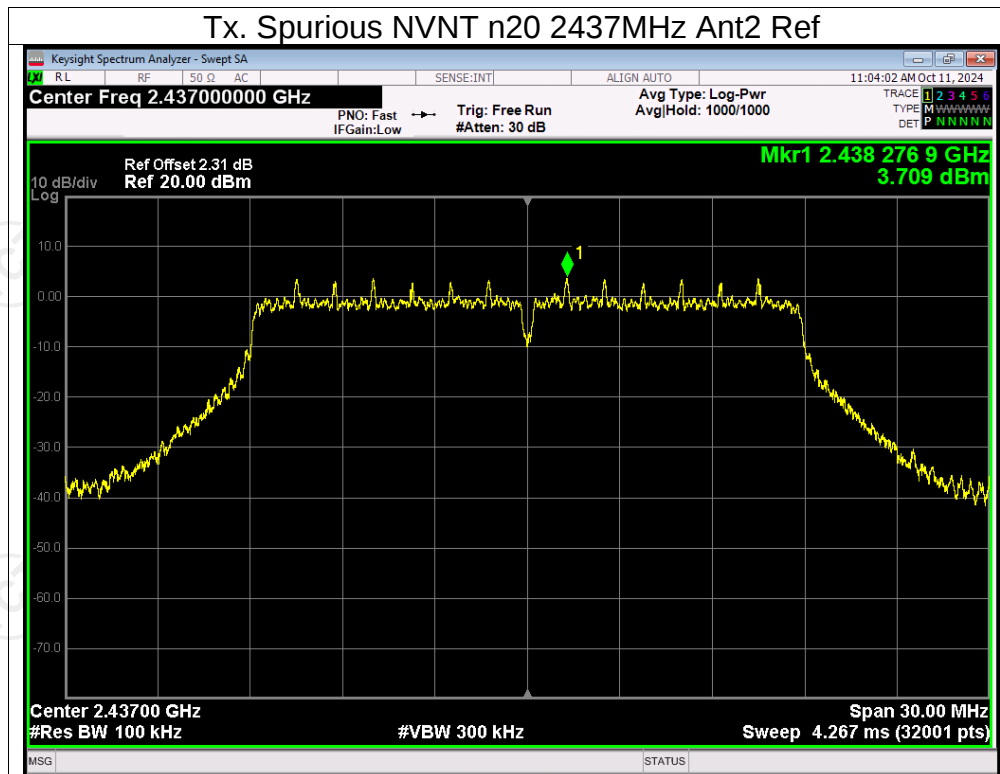
## Tx. Spurious NVNT g 2462MHz Ant2 Ref

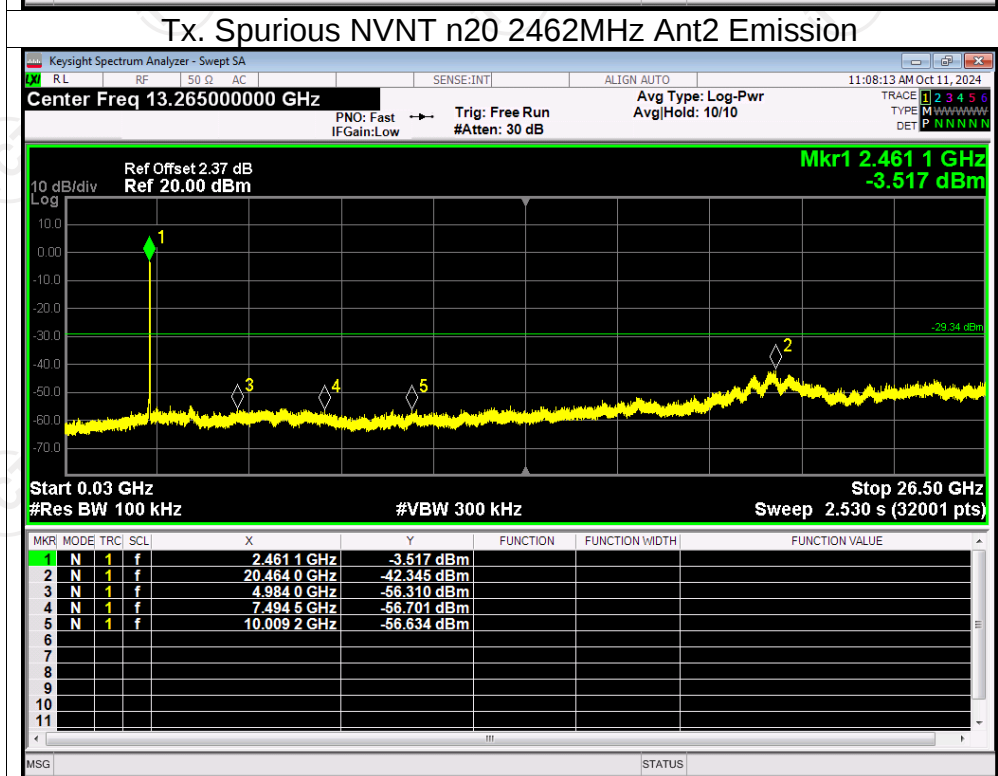
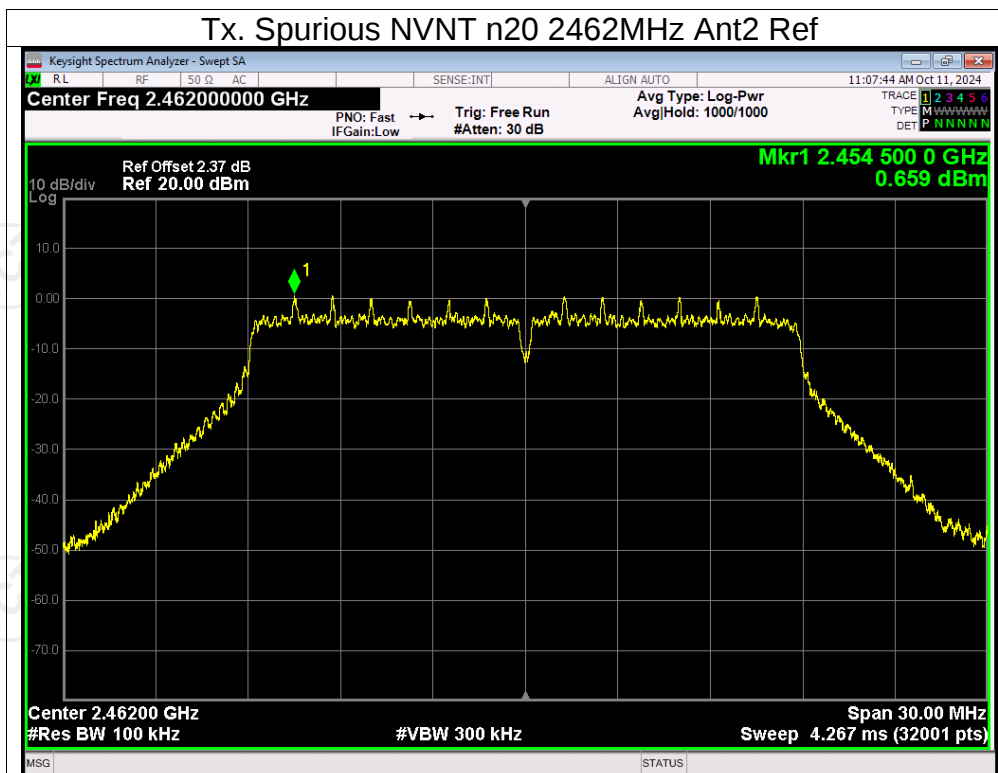


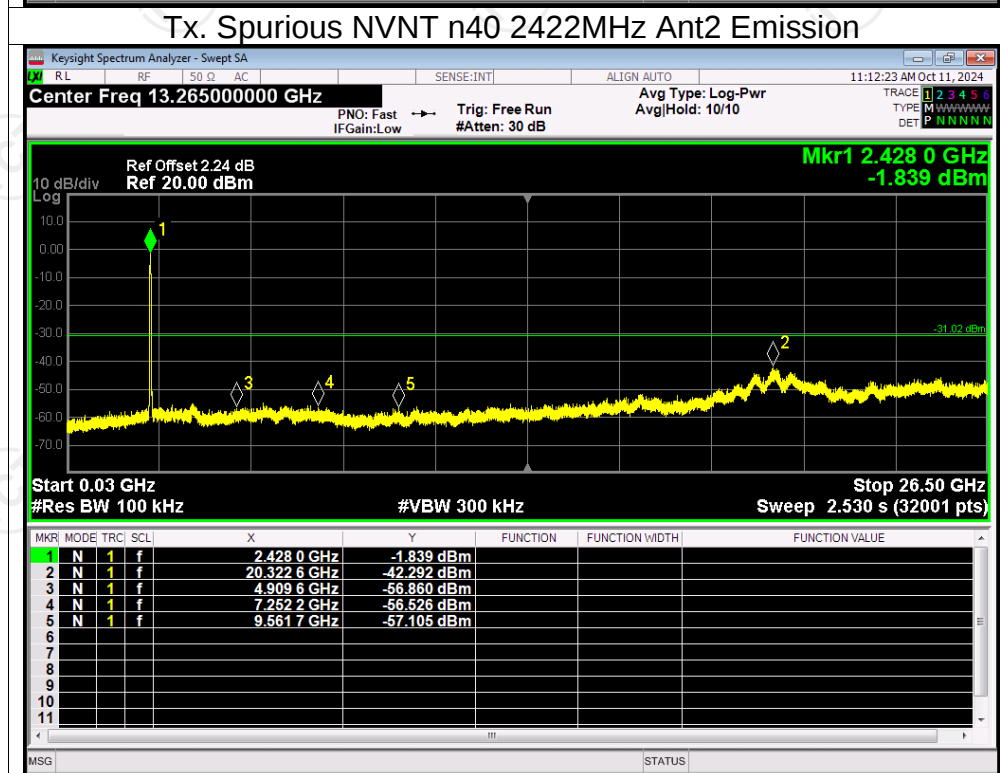
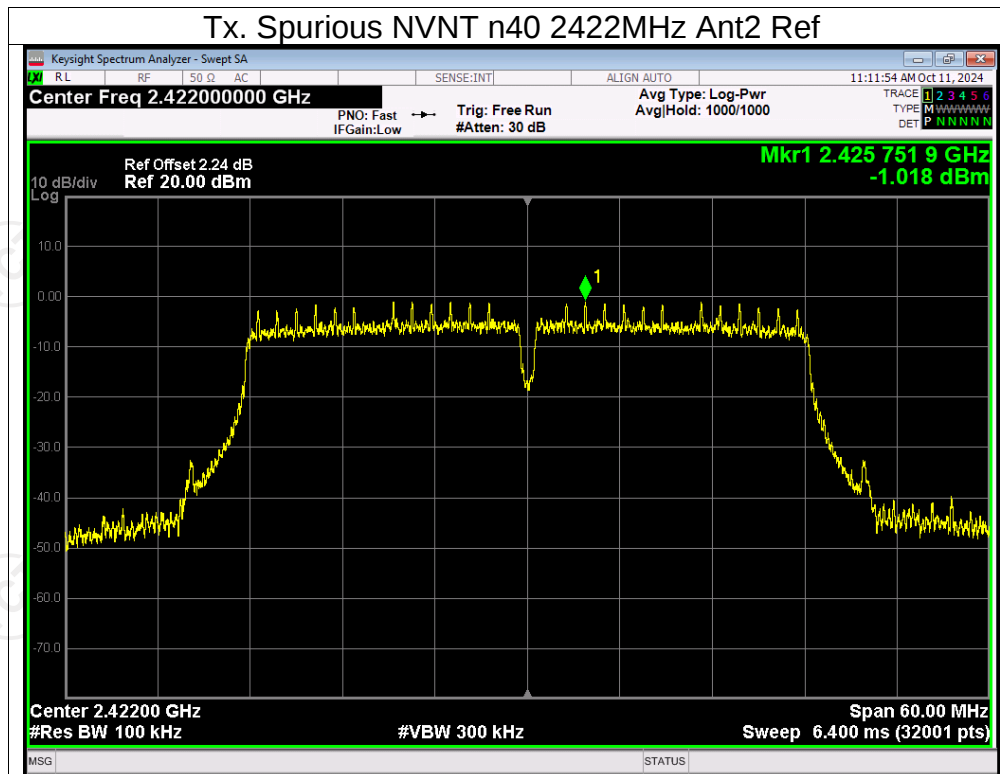
## Tx. Spurious NVNT g 2462MHz Ant2 Emission

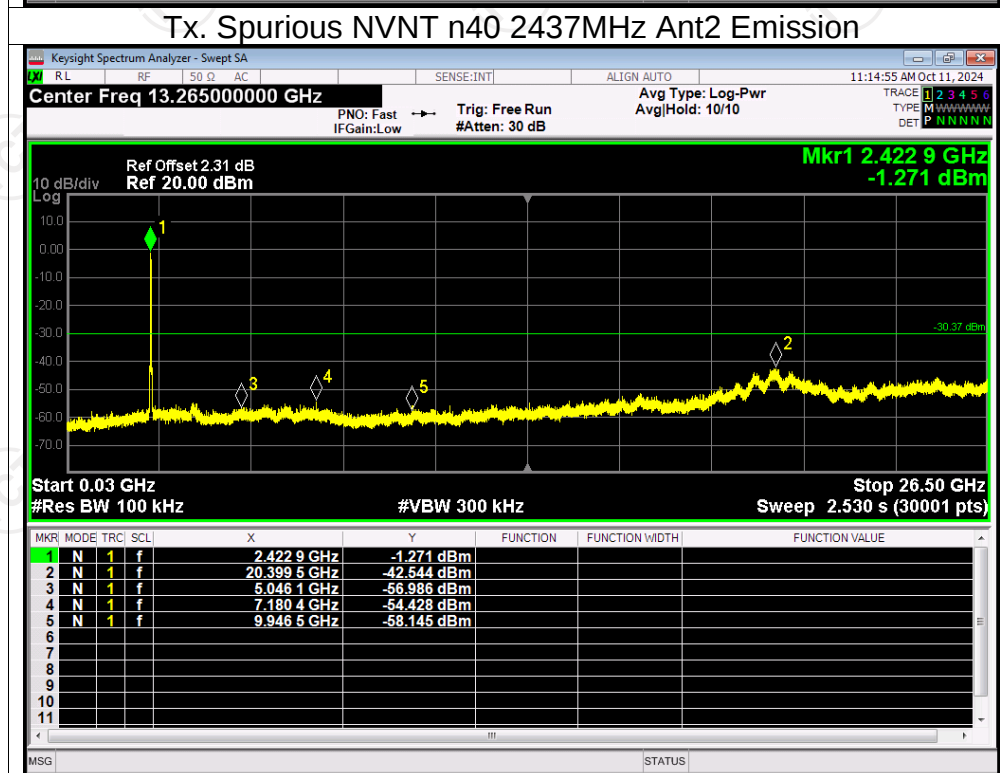
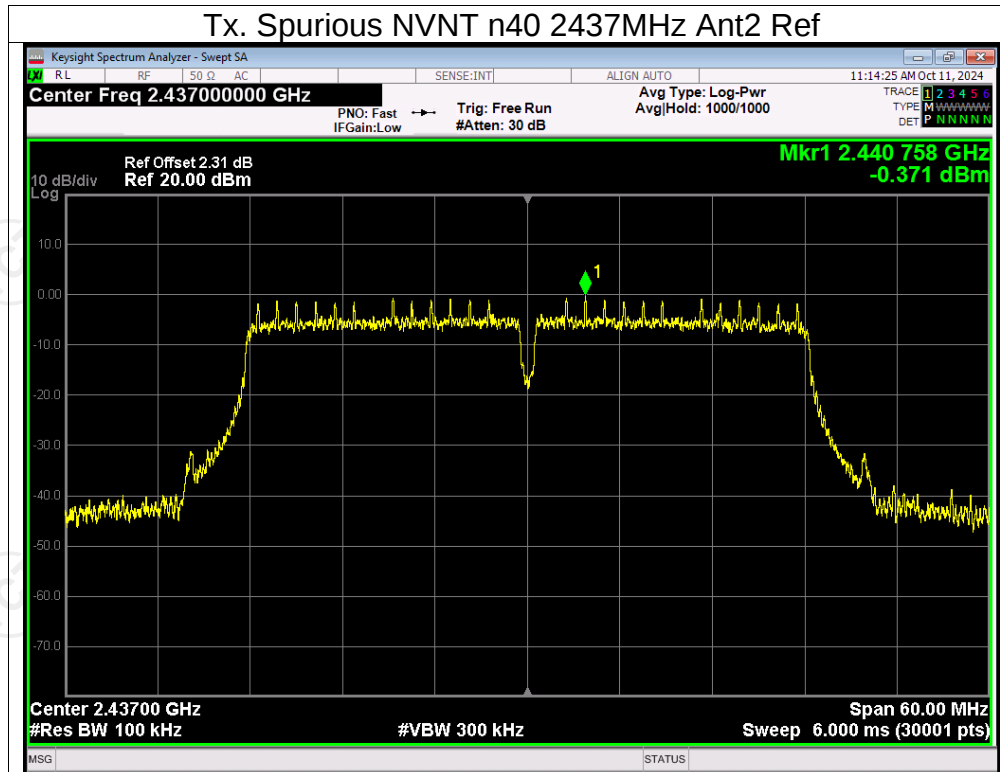


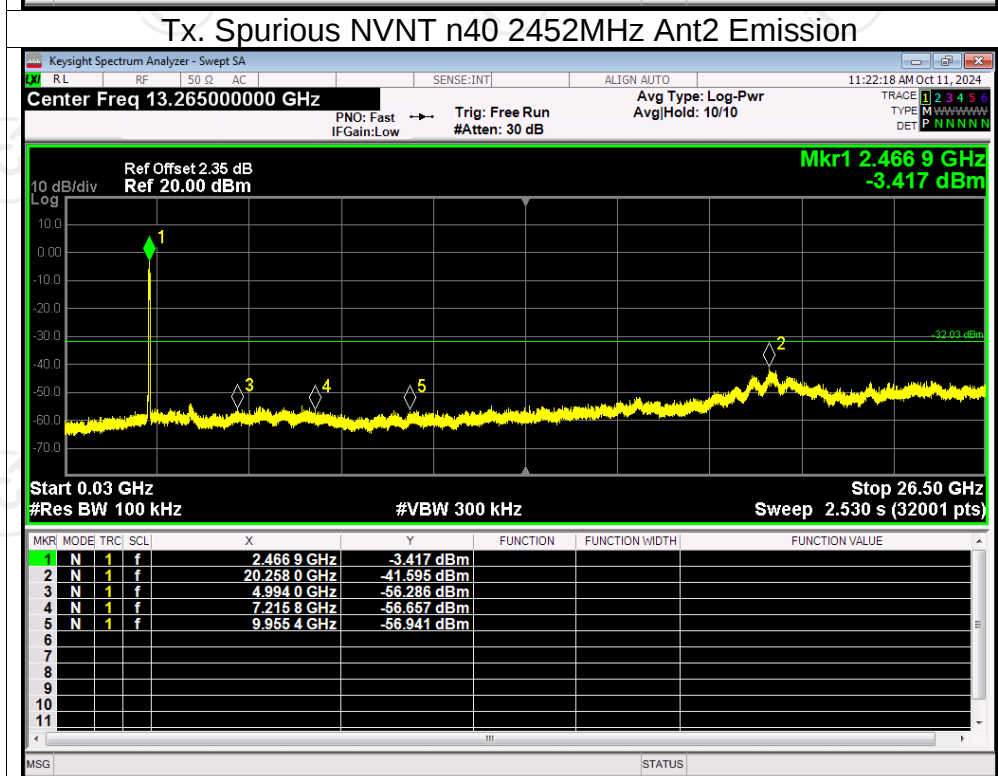
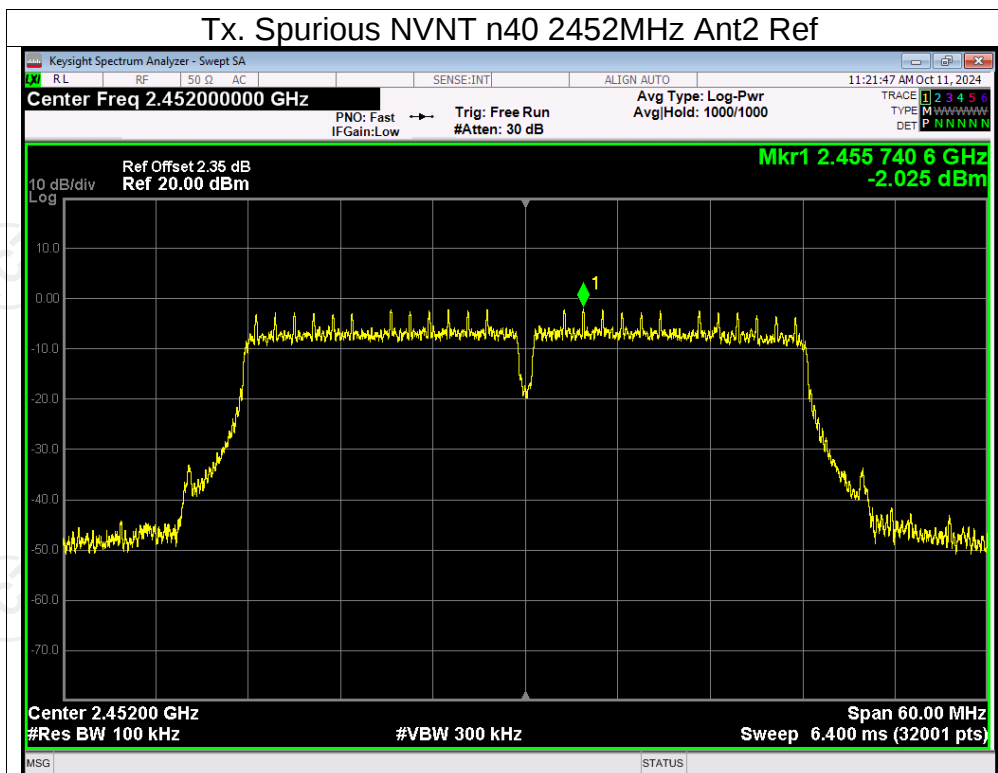












## Appendix B: Photographs of Test Setup

Please refer to document Appendix No.: TCT241008E023-A

## Appendix C: Photographs of EUT

Please refer to document Appendix No.: TCT241008E023-B & TCT241008E023-C

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