

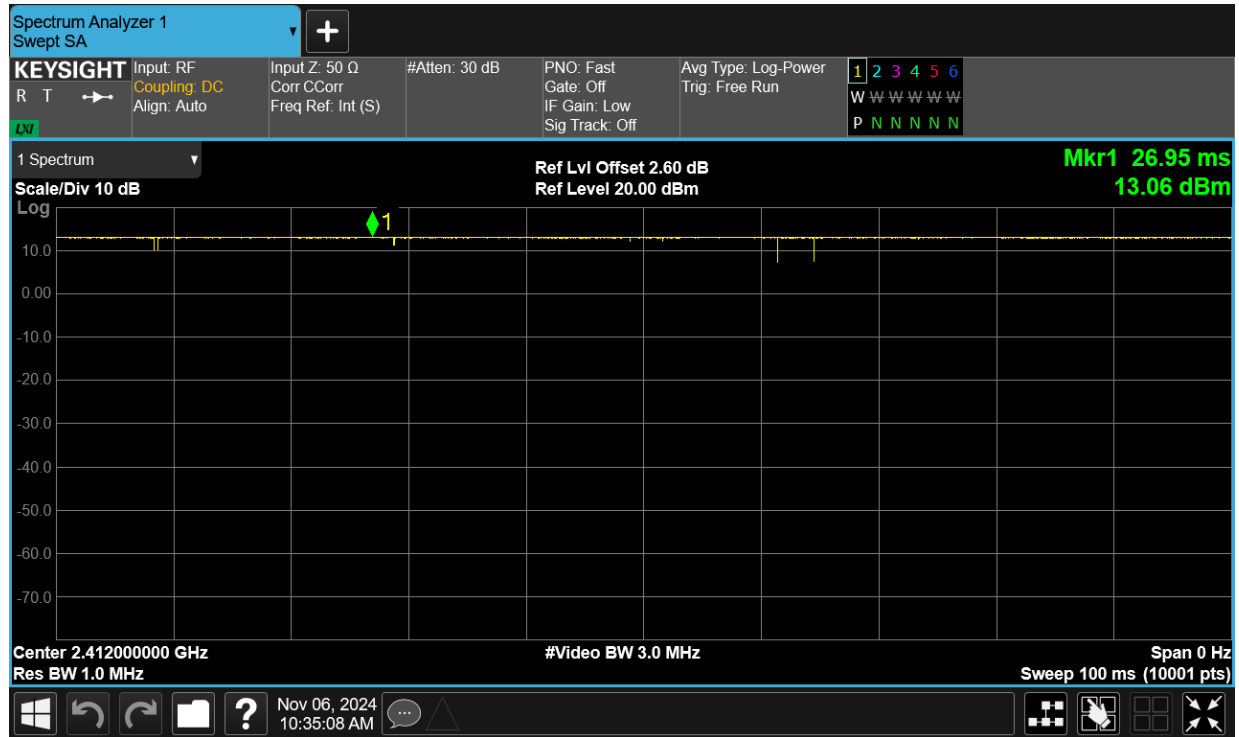
## Test Data

### Duty Cycle

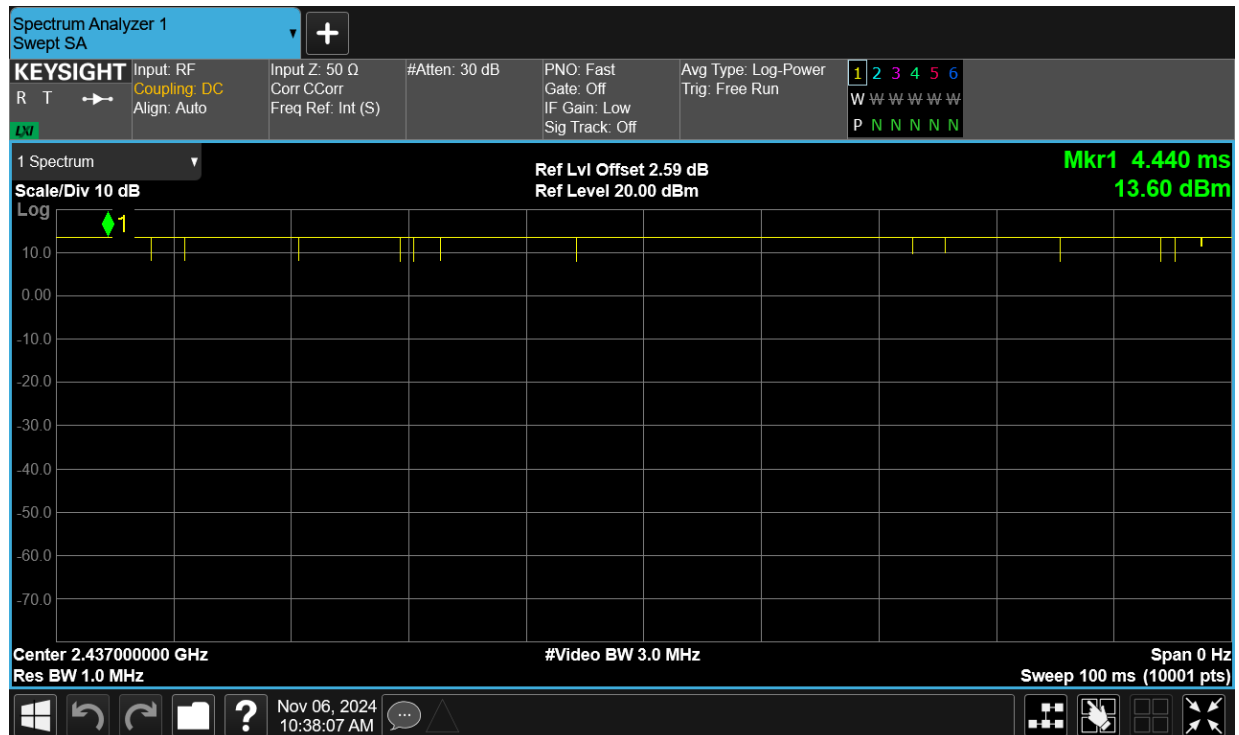
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) |
|-----------|------|-----------------|---------|----------------|------------------------|
| NVNT      | b    | 2412            | Ant13   | 100            | 0                      |
| NVNT      | b    | 2437            | Ant13   | 100            | 0                      |
| NVNT      | b    | 2462            | Ant13   | 100            | 0                      |
| NVNT      | g    | 2412            | Ant13   | 100            | 0                      |
| NVNT      | g    | 2437            | Ant13   | 100            | 0                      |
| NVNT      | g    | 2462            | Ant13   | 100            | 0                      |
| NVNT      | n20  | 2412            | Ant13   | 100            | 0                      |
| NVNT      | n20  | 2437            | Ant13   | 100            | 0                      |
| NVNT      | n20  | 2462            | Ant13   | 100            | 0                      |
| NVNT      | n40  | 2422            | Ant13   | 100            | 0                      |
| NVNT      | n40  | 2437            | Ant13   | 100            | 0                      |
| NVNT      | n40  | 2452            | Ant13   | 100            | 0                      |

## Test Graphs

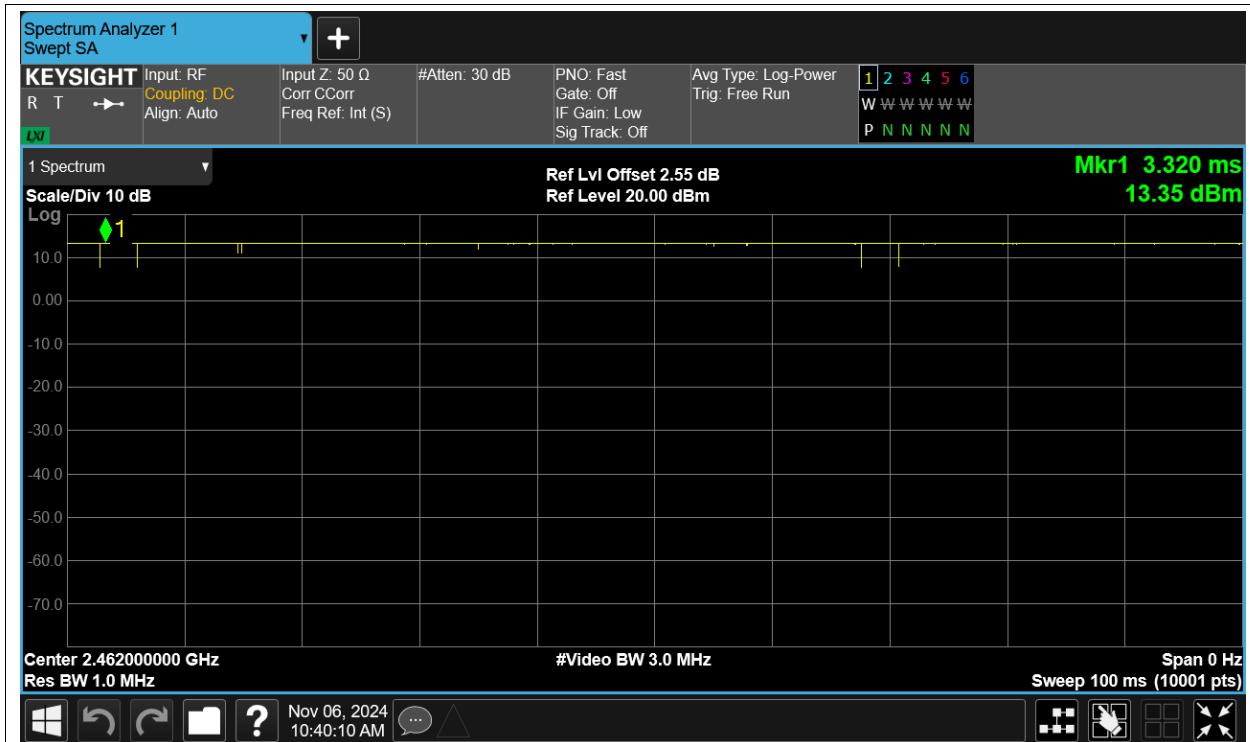
### Duty Cycle NVNT b 2412MHz Ant13



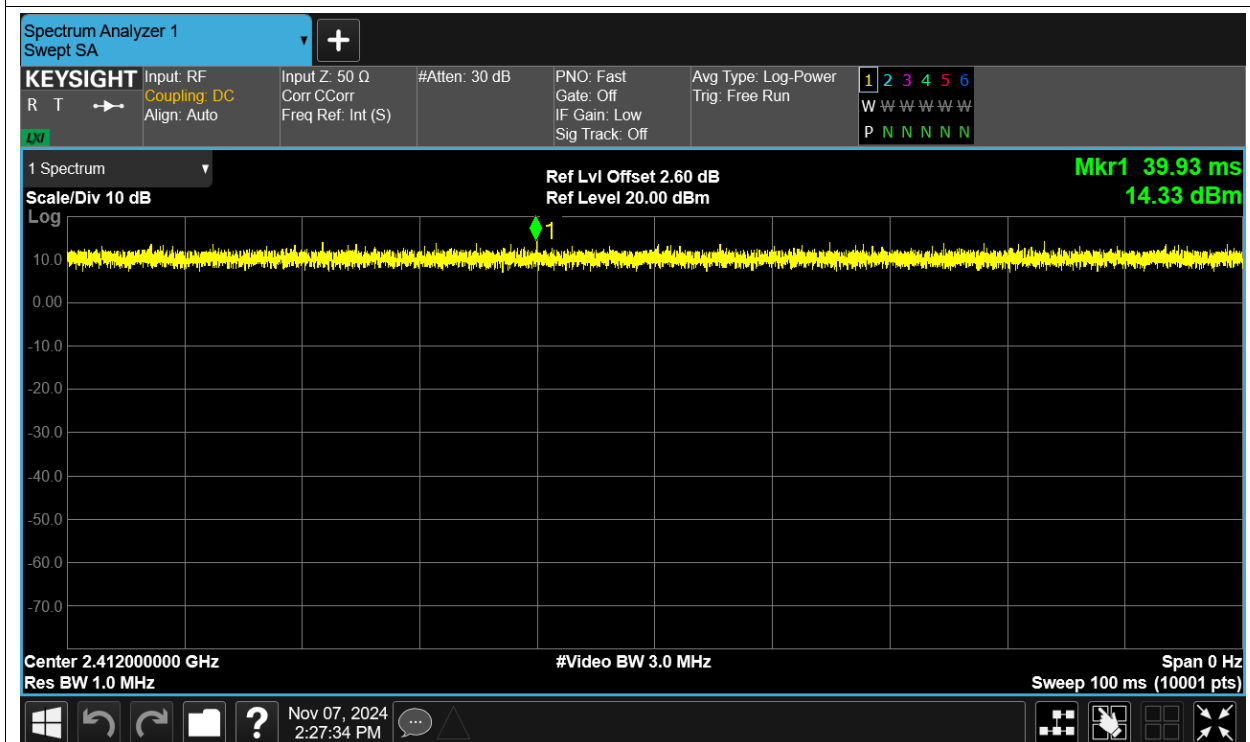
### Duty Cycle NVNT b 2437MHz Ant13



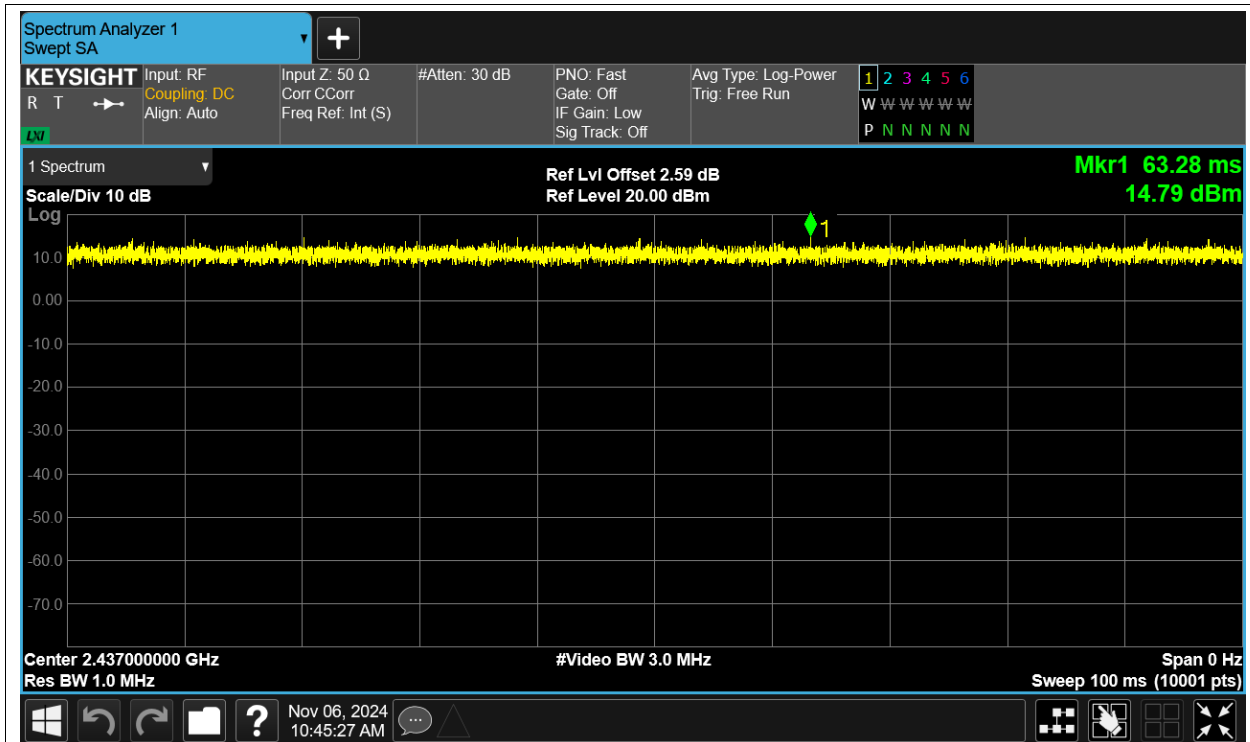
### Duty Cycle NVNT b 2462MHz Ant13



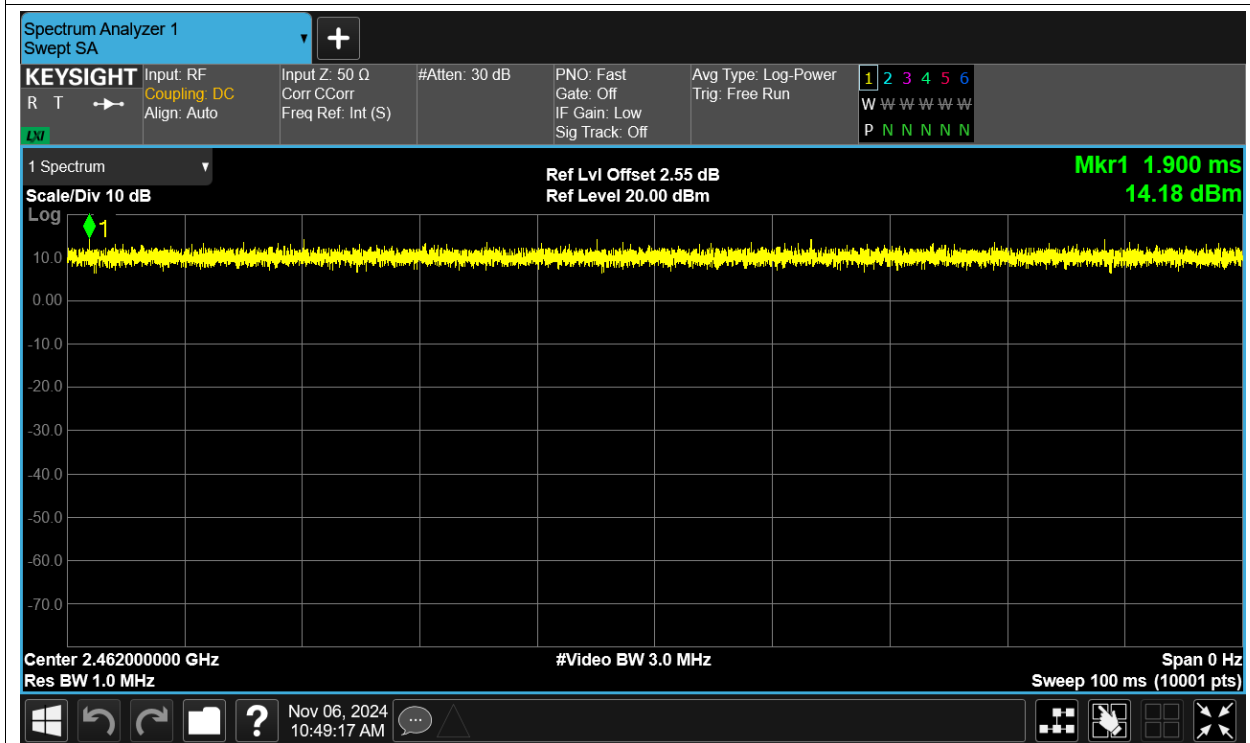
Duty Cycle NVNT g 2412MHz Ant13



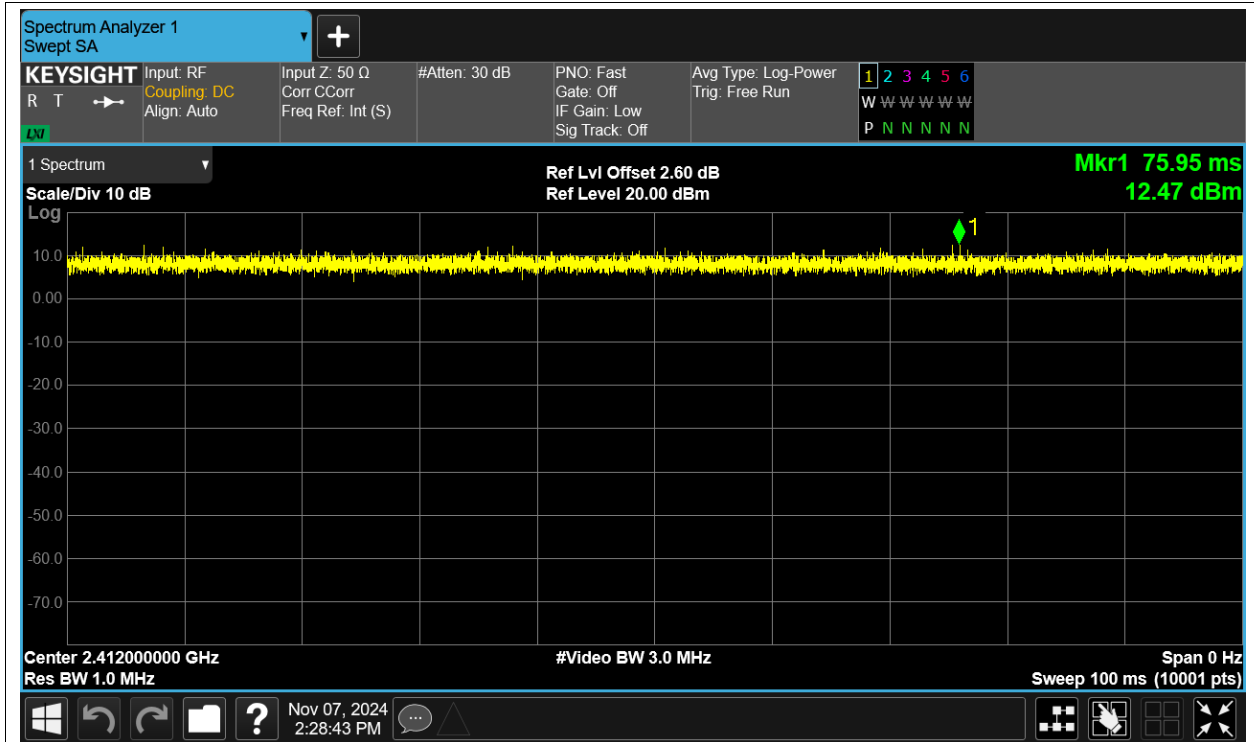
Duty Cycle NVNT g 2437MHz Ant13



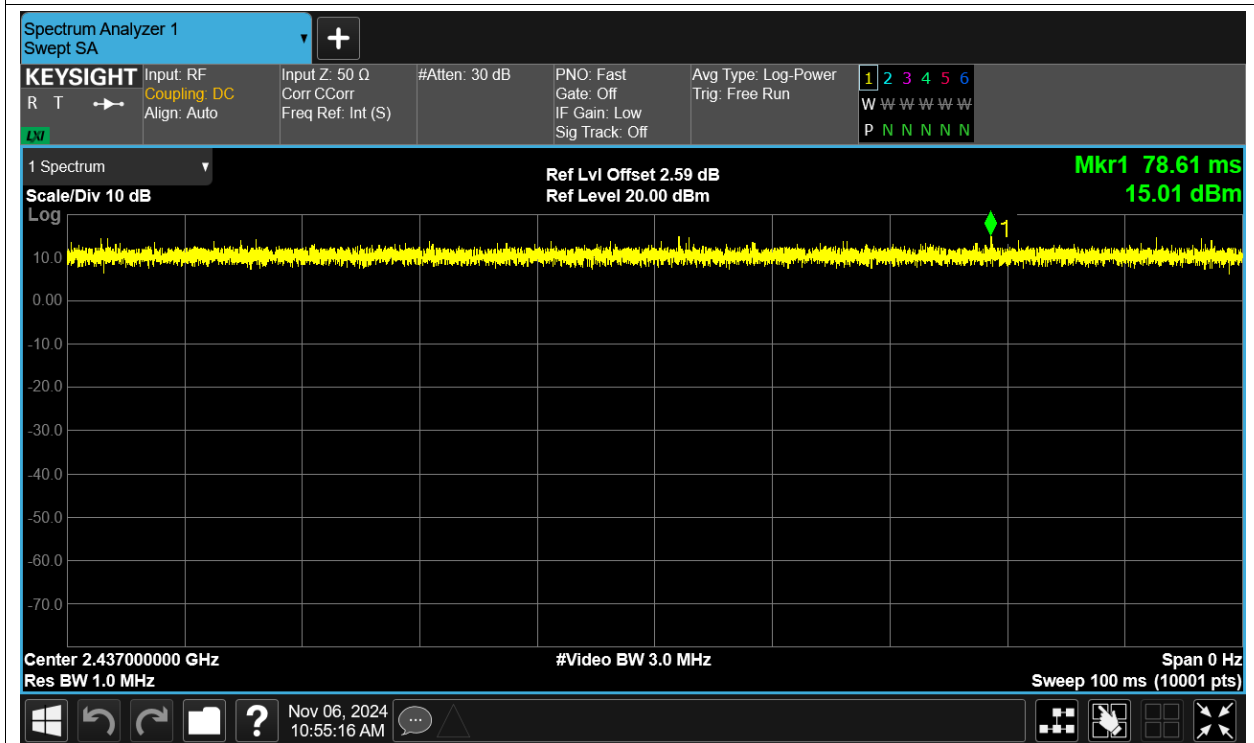
Duty Cycle NVNT g 2462MHz Ant13



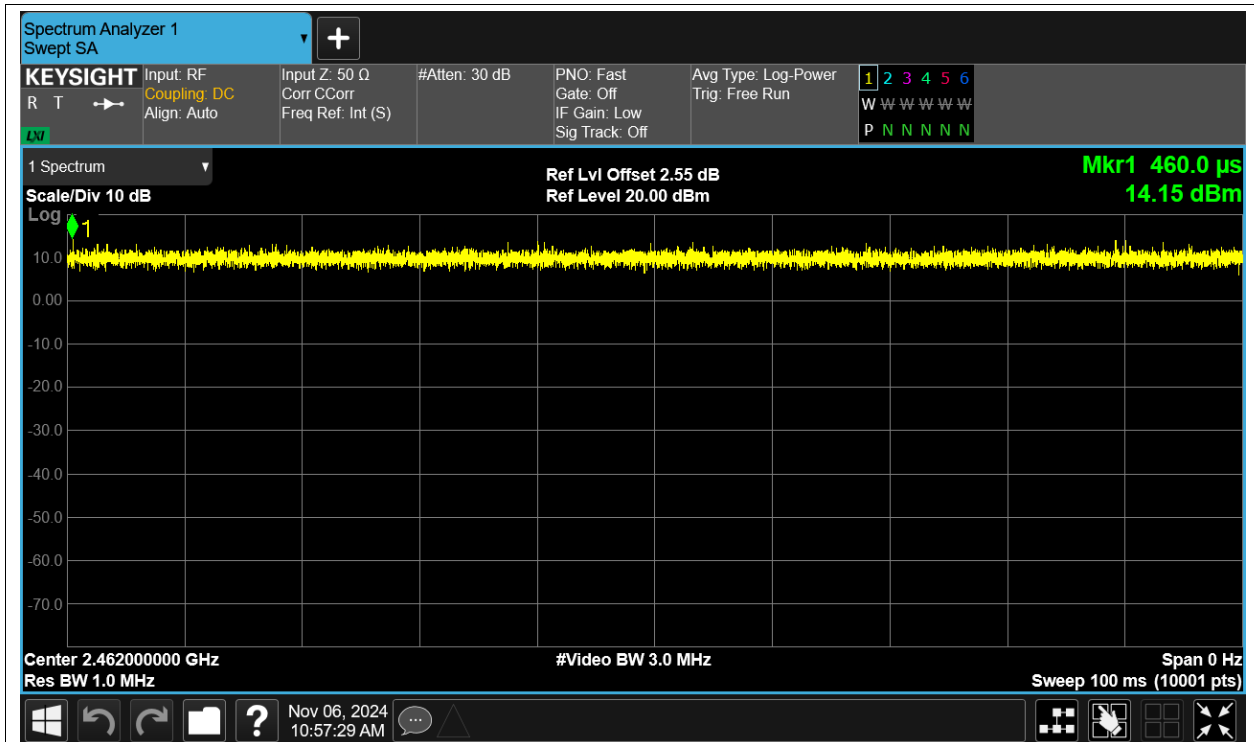
Duty Cycle NVNT n20 2412MHz Ant13



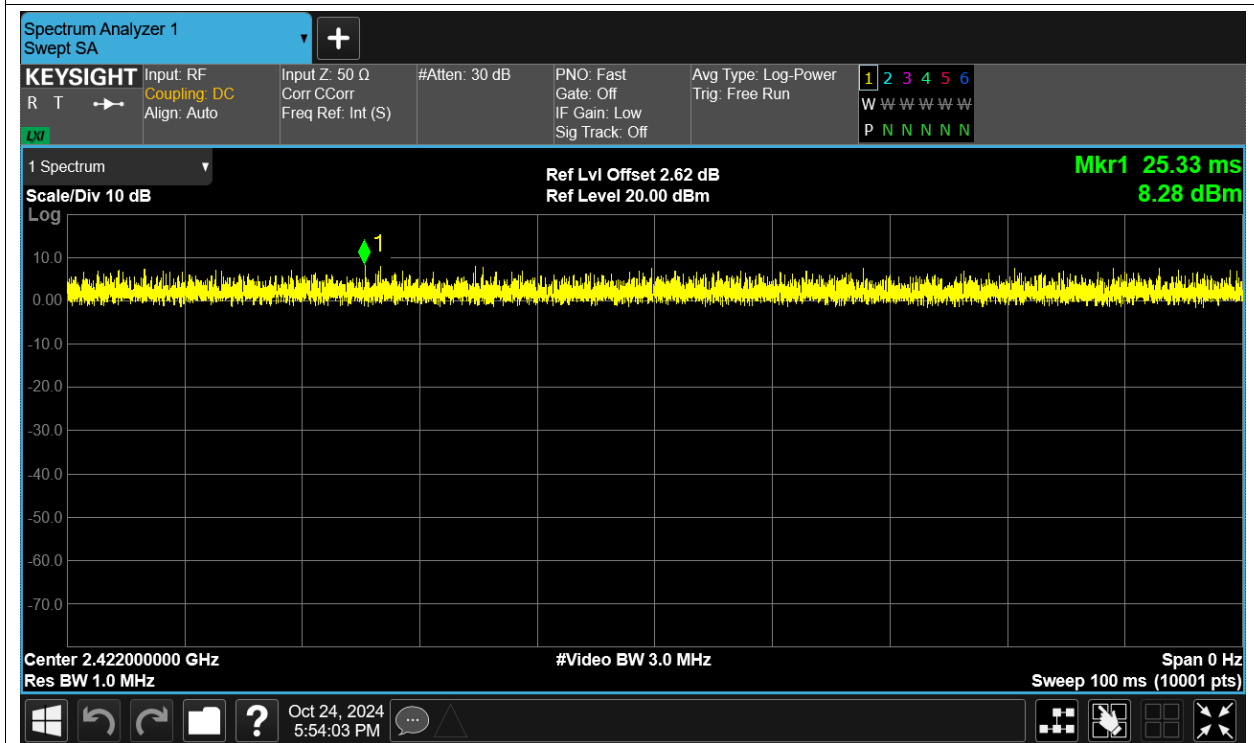
Duty Cycle NVNT n20 2437MHz Ant13



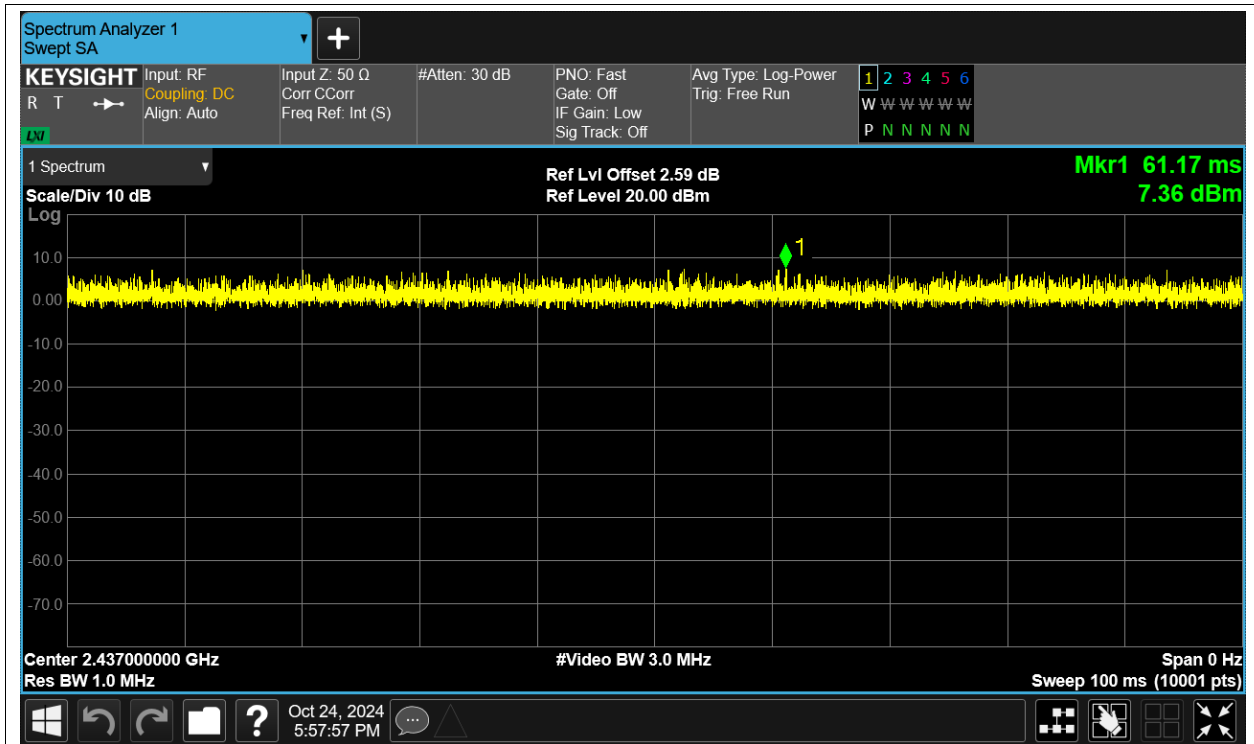
Duty Cycle NVNT n20 2462MHz Ant13



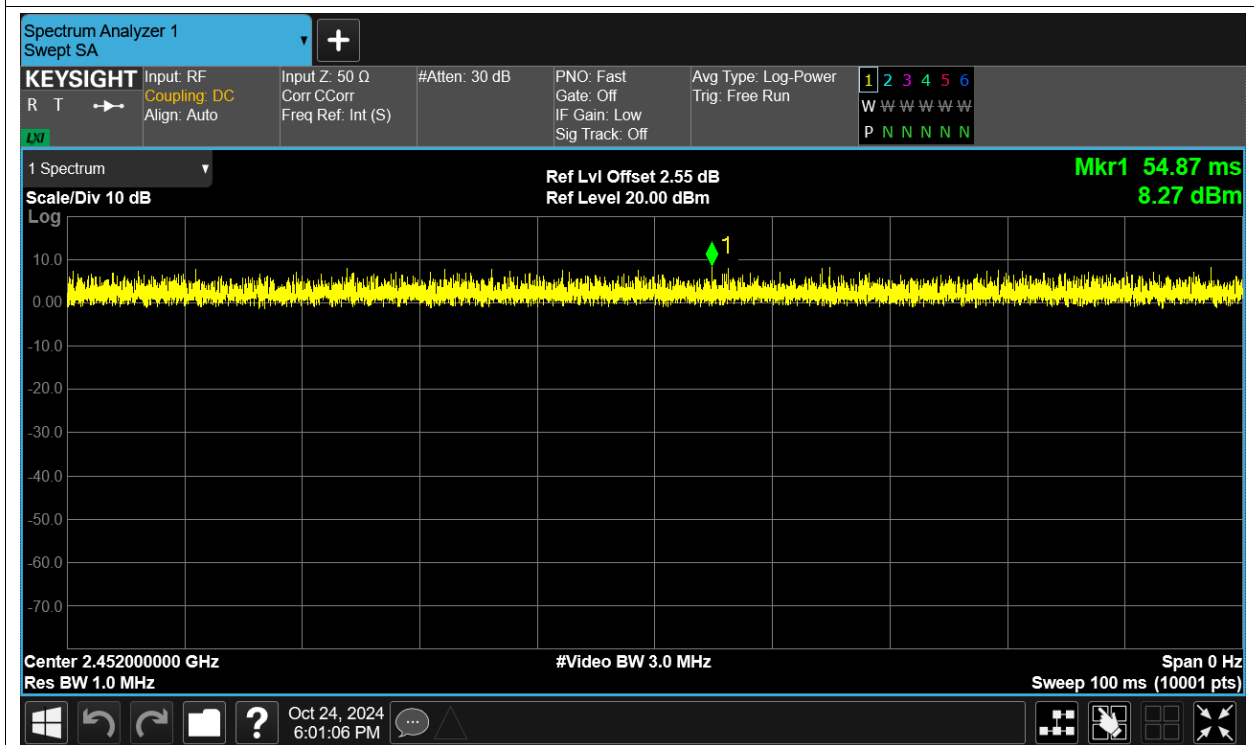
Duty Cycle NVNT n40 2422MHz Ant13



Duty Cycle NVNT n40 2437MHz Ant13



Duty Cycle NVNT n40 2452MHz Ant13



## Maximum Conducted Output Power

| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Duty Factor<br>(dB) | Total Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------------|---------------------|----------------------|----------------|---------|
| NVNT      | b    | 2412               | Ant13   | 18.17                    | 0                   | 18.17                | 30             | Pass    |
| NVNT      | b    | 2437               | Ant13   | 18.56                    | 0                   | 18.56                | 30             | Pass    |
| NVNT      | b    | 2462               | Ant13   | 18.62                    | 0                   | 18.62                | 30             | Pass    |
| NVNT      | g    | 2412               | Ant13   | 14.99                    | 0                   | 14.99                | 30             | Pass    |
| NVNT      | g    | 2437               | Ant13   | 16.86                    | 0                   | 16.86                | 30             | Pass    |
| NVNT      | g    | 2462               | Ant13   | 16.79                    | 0                   | 16.79                | 30             | Pass    |
| NVNT      | n20  | 2412               | Ant13   | 14.81                    | 0                   | 14.81                | 30             | Pass    |
| NVNT      | n20  | 2437               | Ant13   | 16.66                    | 0                   | 16.66                | 30             | Pass    |
| NVNT      | n20  | 2462               | Ant13   | 16.64                    | 0                   | 16.64                | 30             | Pass    |
| NVNT      | n40  | 2422               | Ant13   | 14.77                    | 0                   | 14.77                | 30             | Pass    |
| NVNT      | n40  | 2437               | Ant13   | 14.96                    | 0                   | 14.96                | 30             | Pass    |
| NVNT      | n40  | 2452               | Ant13   | 15.36                    | 0                   | 15.36                | 30             | Pass    |

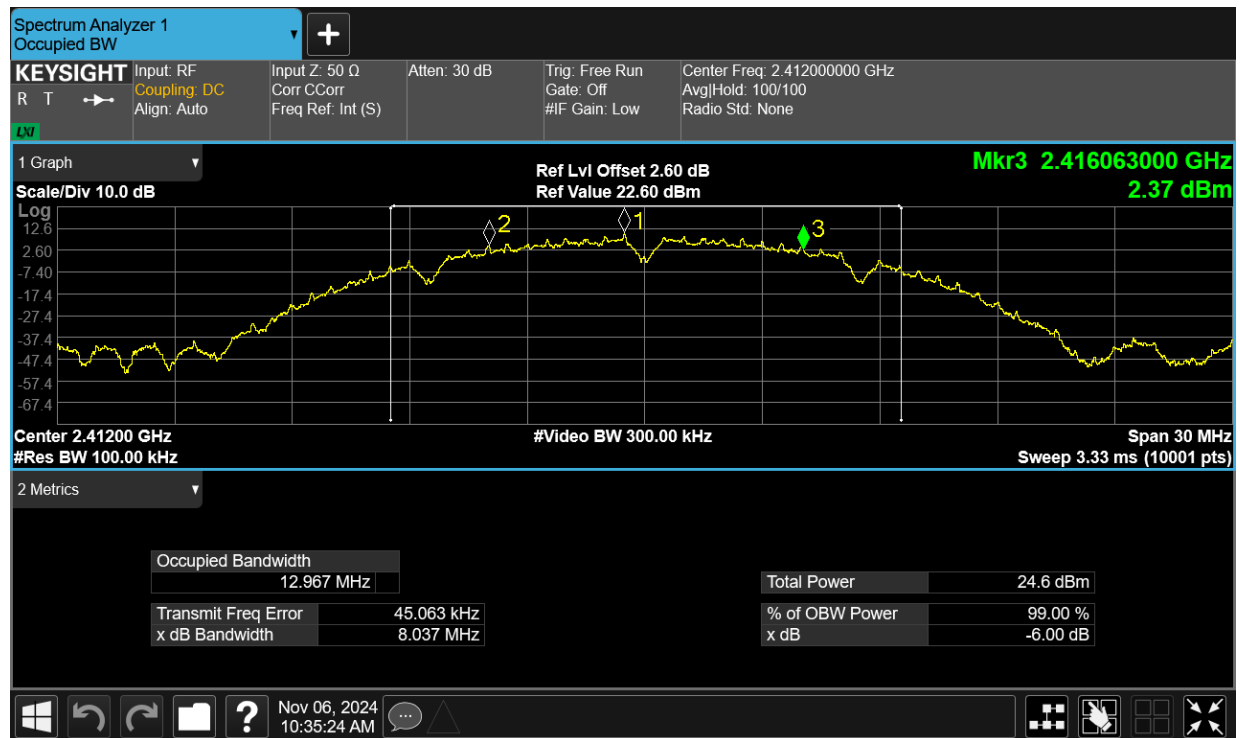


## -6dB Bandwidth

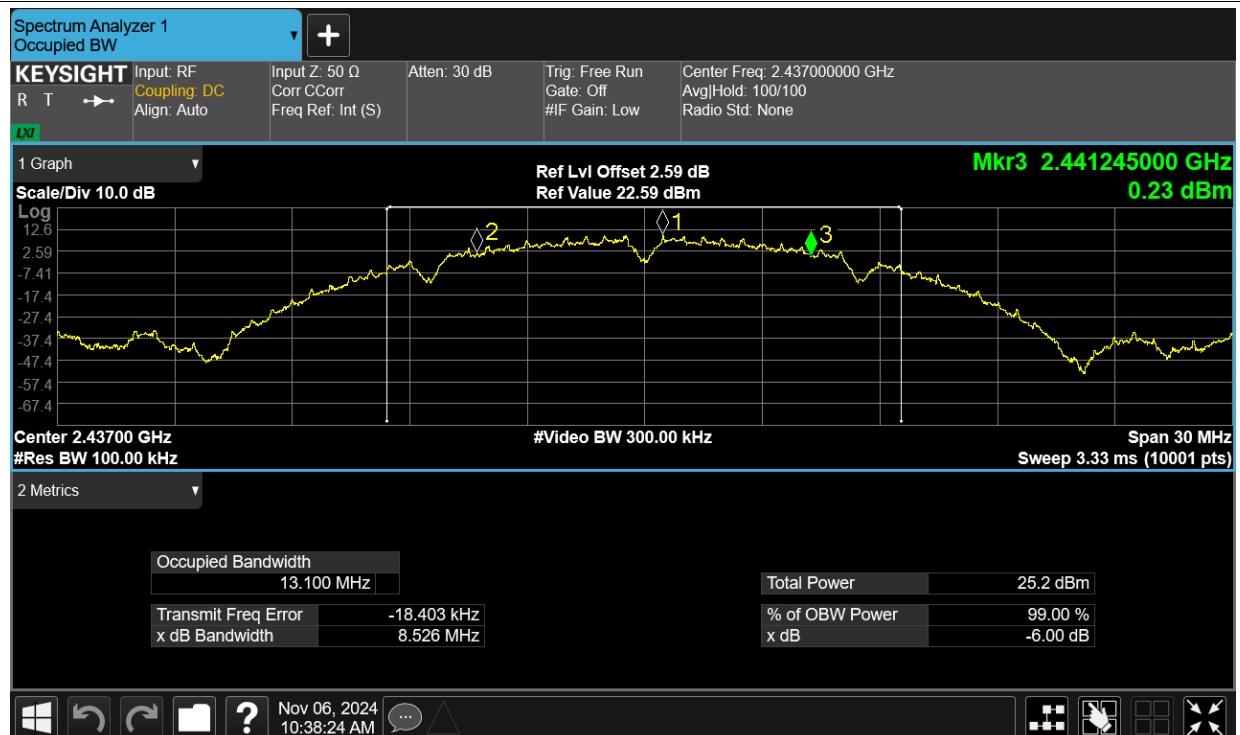
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | limit | Verdic |
|-----------|------|-----------------|---------|-----------------------|-------|--------|
| NVNT      | b    | 2412            | Ant13   | 8.037                 | 0.5   | Pass   |
| NVNT      | b    | 2437            | Ant13   | 8.526                 | 0.5   | Pass   |
| NVNT      | b    | 2462            | Ant13   | 9.006                 | 0.5   | Pass   |
| NVNT      | g    | 2412            | Ant13   | 16.347                | 0.5   | Pass   |
| NVNT      | g    | 2437            | Ant13   | 16.336                | 0.5   | Pass   |
| NVNT      | g    | 2462            | Ant13   | 16.357                | 0.5   | Pass   |
| NVNT      | n20  | 2412            | Ant13   | 17.608                | 0.5   | Pass   |
| NVNT      | n20  | 2437            | Ant13   | 17.596                | 0.5   | Pass   |
| NVNT      | n20  | 2462            | Ant13   | 17.593                | 0.5   | Pass   |
| NVNT      | n40  | 2422            | Ant13   | 36.293                | 0.5   | Pass   |
| NVNT      | n40  | 2437            | Ant13   | 36.362                | 0.5   | Pass   |
| NVNT      | n40  | 2452            | Ant13   | 35.43                 | 0.5   | Pass   |

## Test Graphs

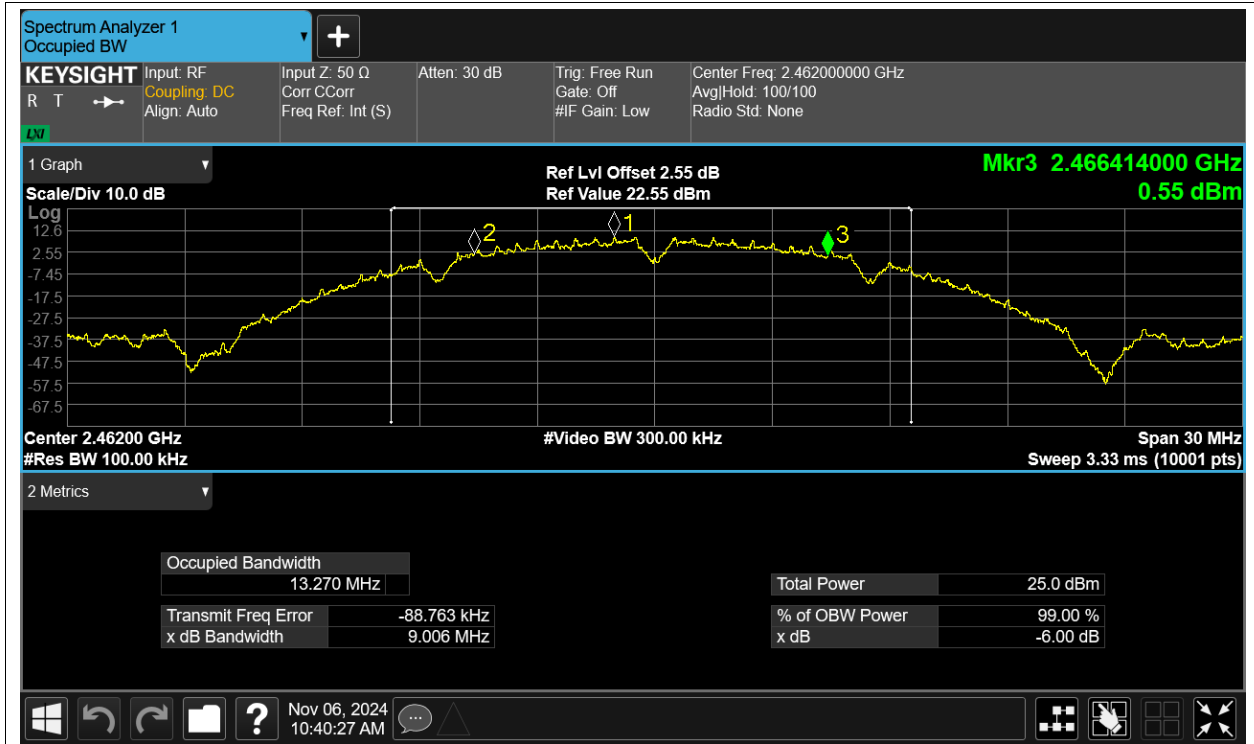
### -6dB Bandwidth NVNT b 2412MHz Ant13



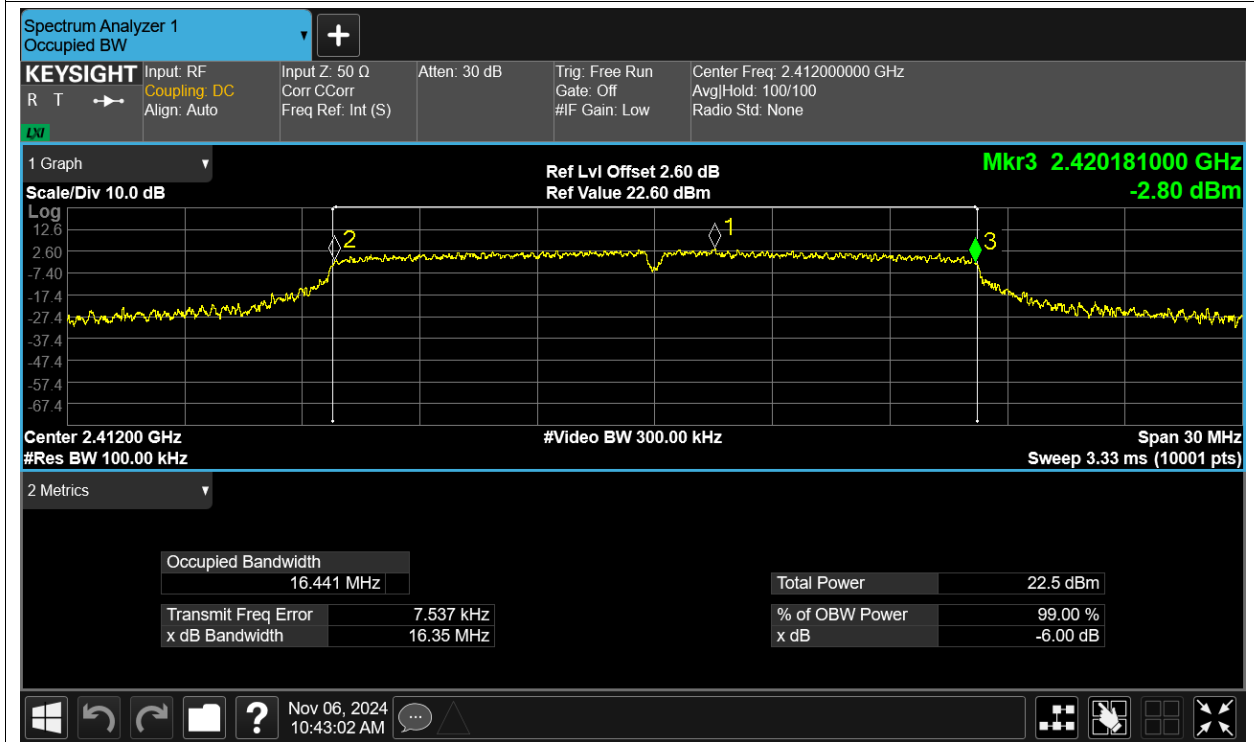
### -6dB Bandwidth NVNT b 2437MHz Ant13



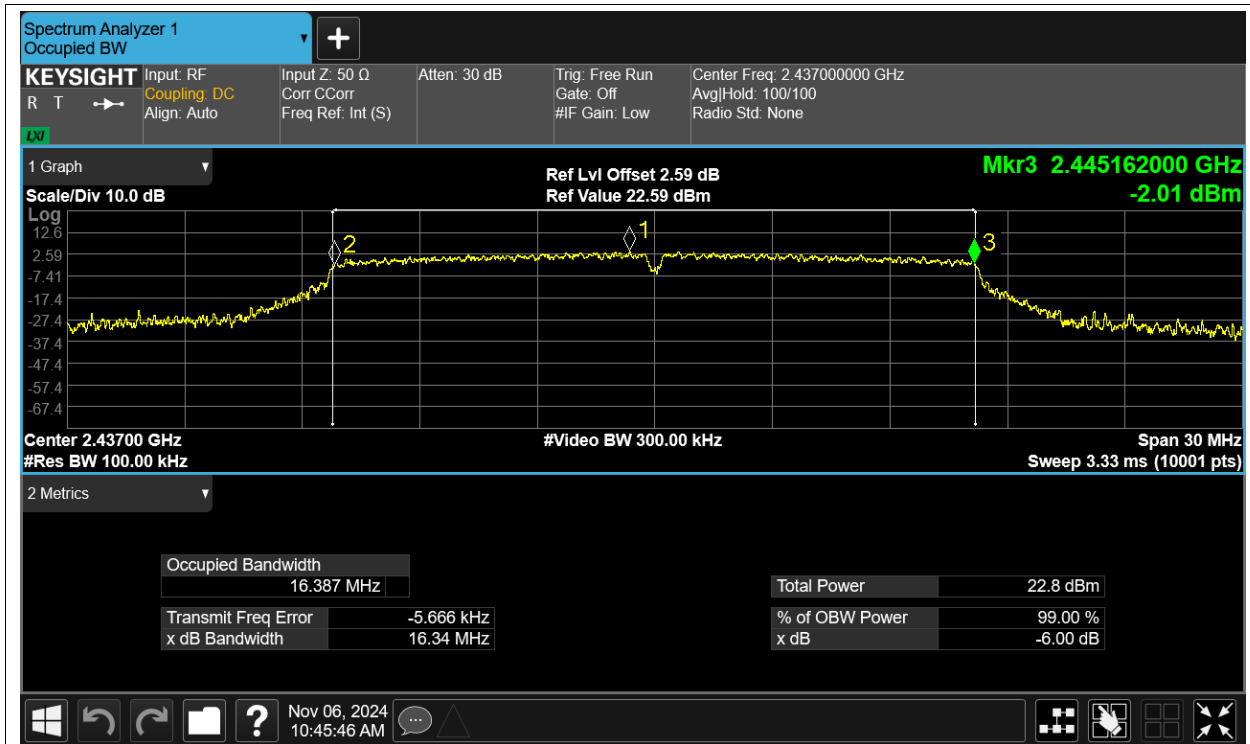
### -6dB Bandwidth NVNT b 2462MHz Ant13



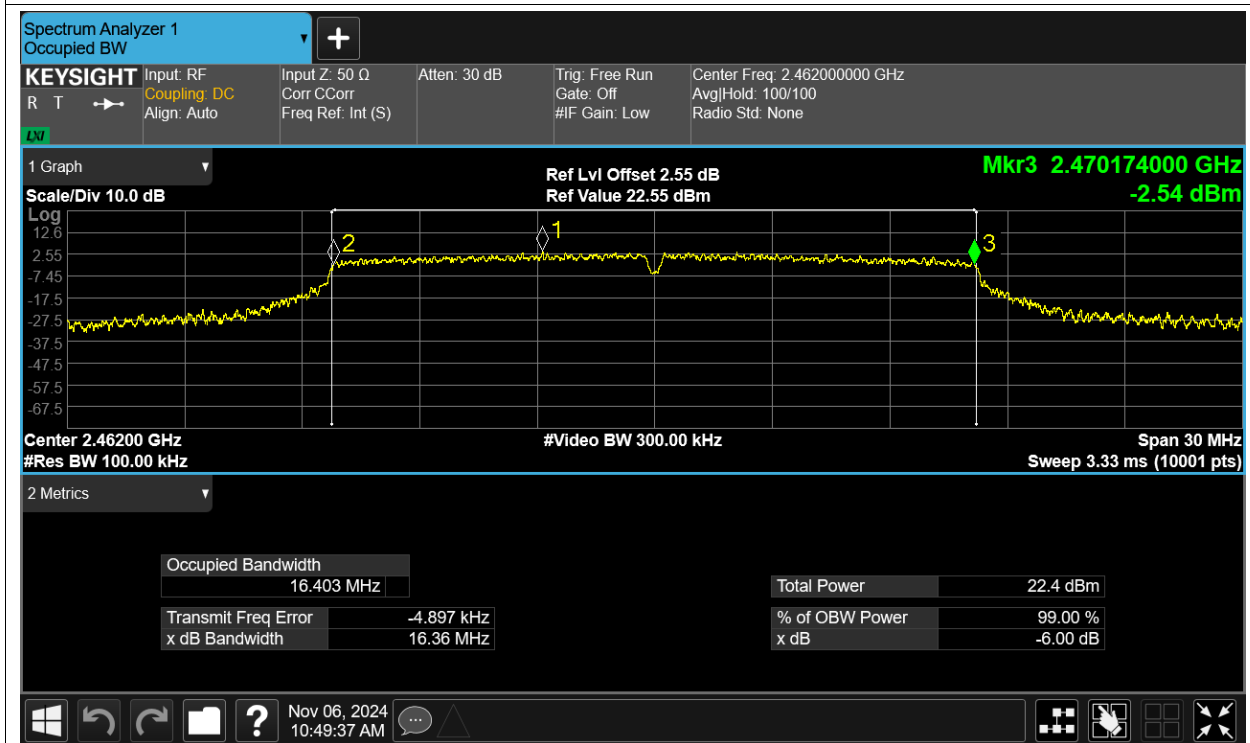
-6dB Bandwidth NVNT g 2412MHz Ant13



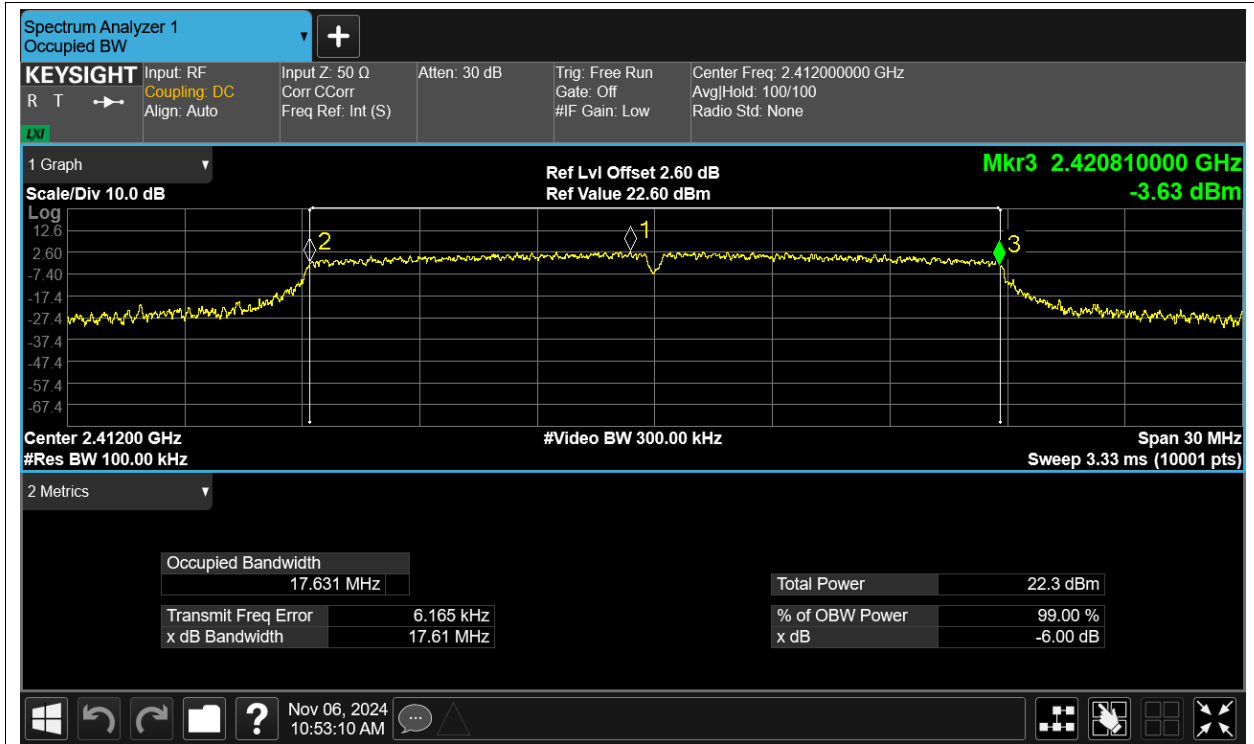
-6dB Bandwidth NVNT g 2437MHz Ant13



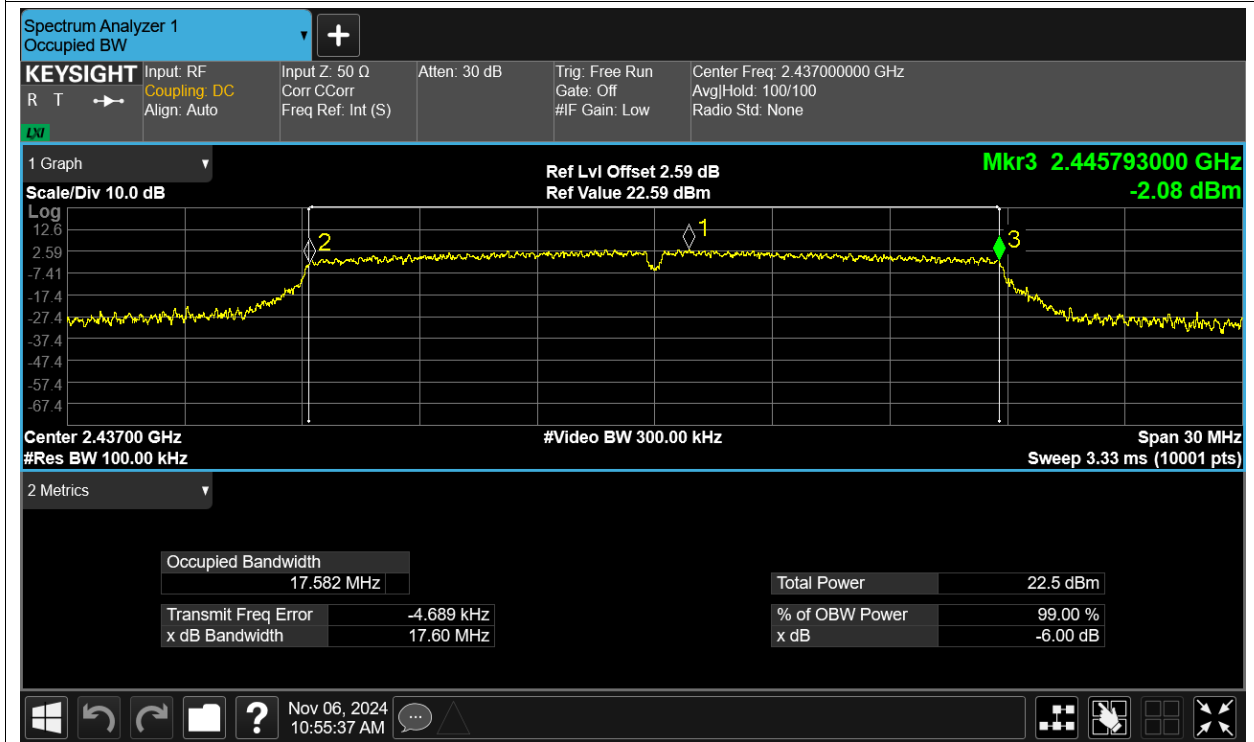
-6dB Bandwidth NVNT g 2462MHz Ant13



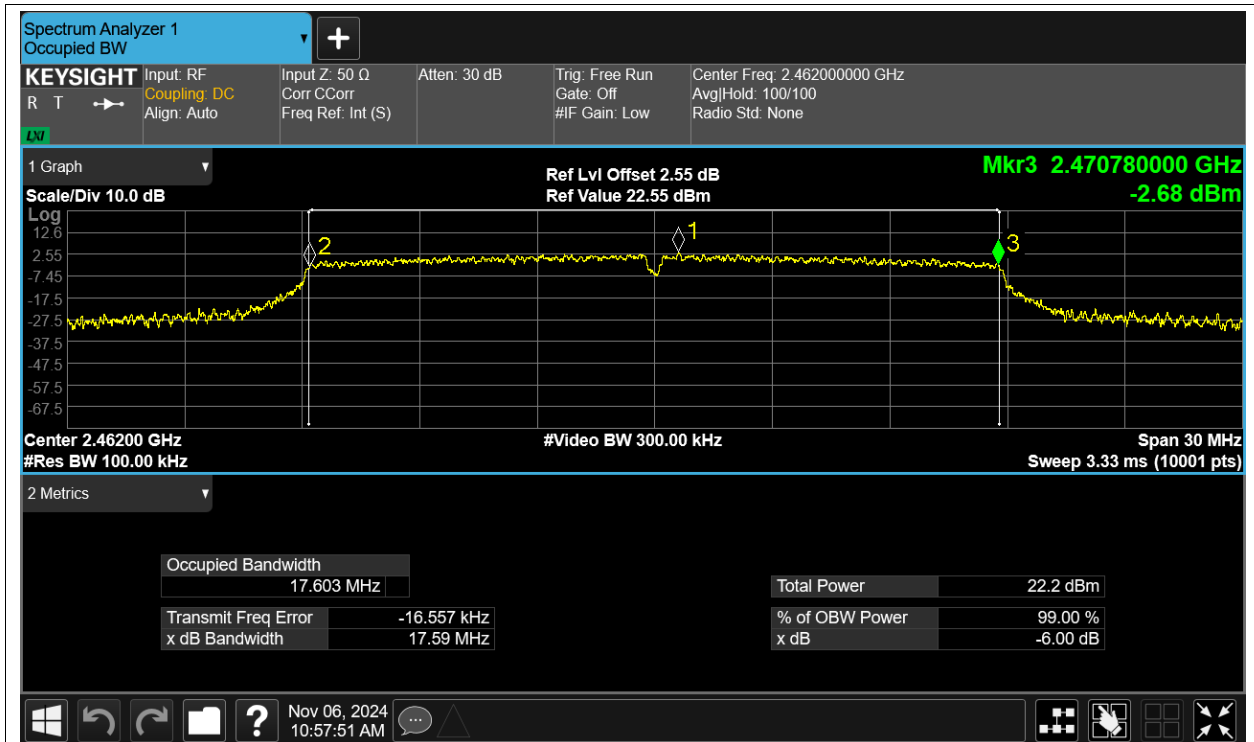
-6dB Bandwidth NVNT n20 2412MHz Ant13



-6dB Bandwidth NVNT n20 2437MHz Ant13



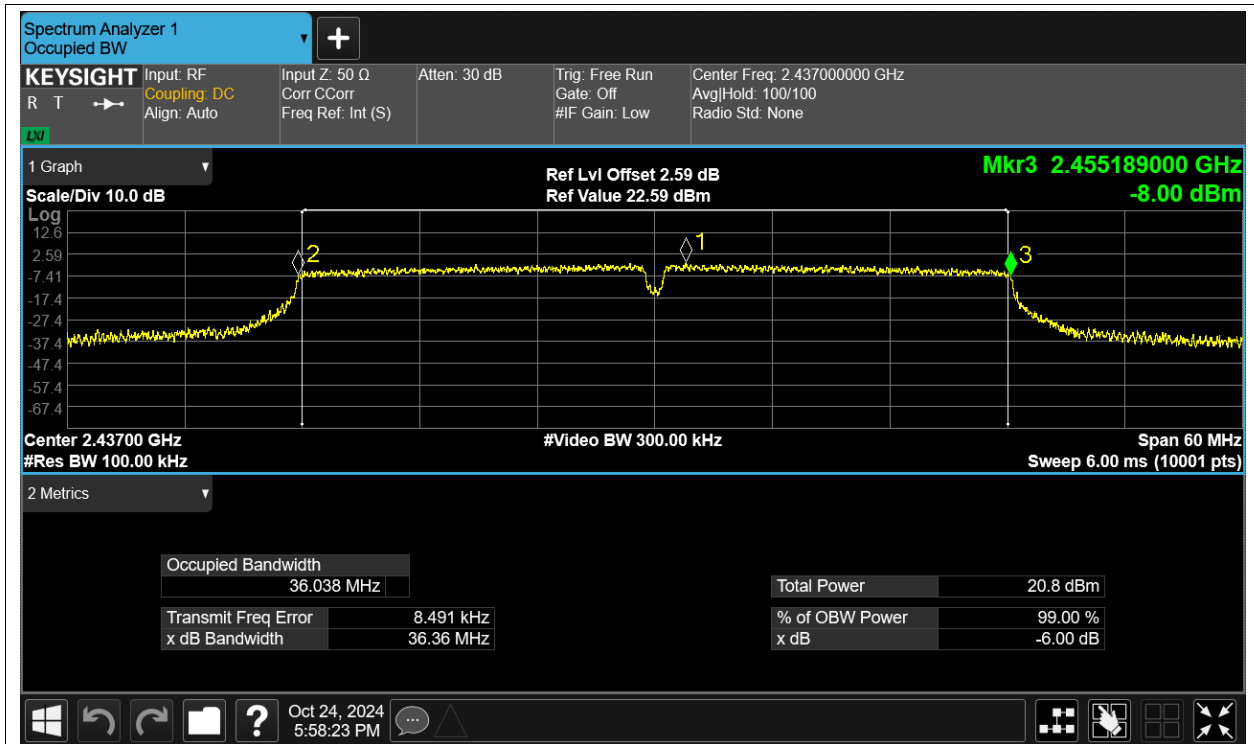
-6dB Bandwidth NVNT n20 2462MHz Ant13



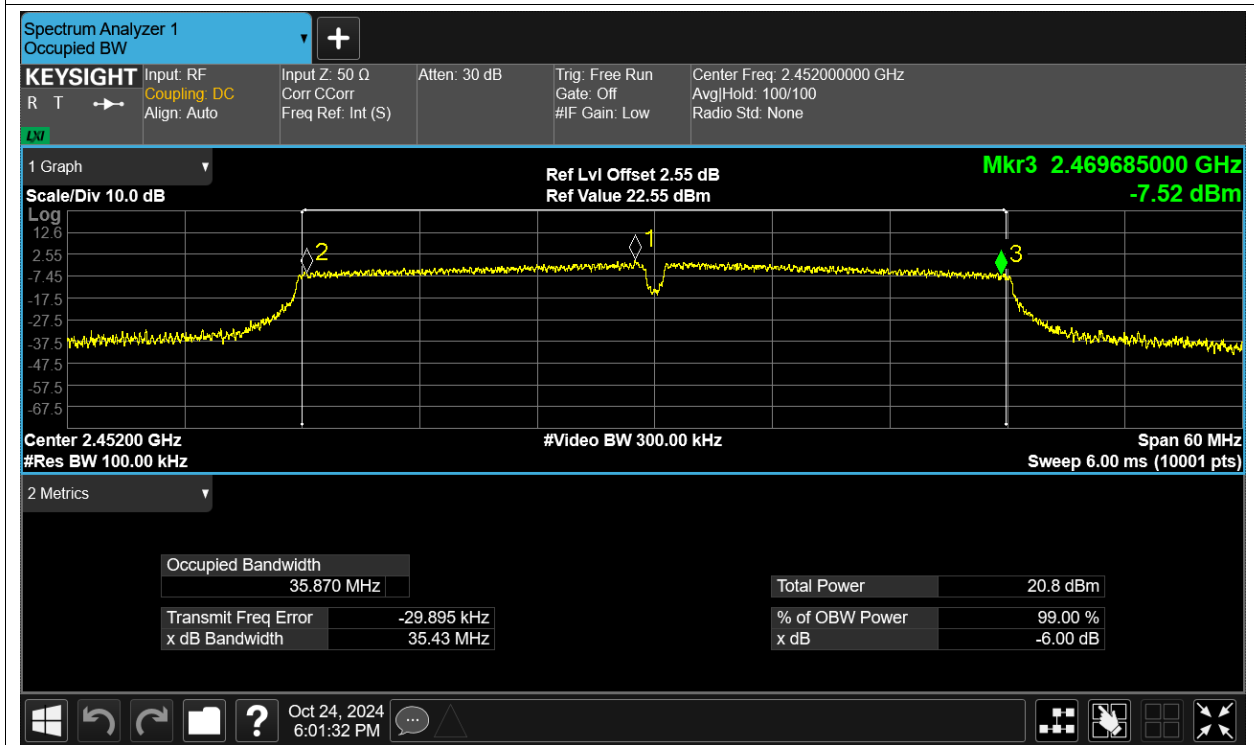
-6dB Bandwidth NVNT n40 2422MHz Ant13



-6dB Bandwidth NVNT n40 2437MHz Ant13



-6dB Bandwidth NVNT n40 2452MHz Ant13



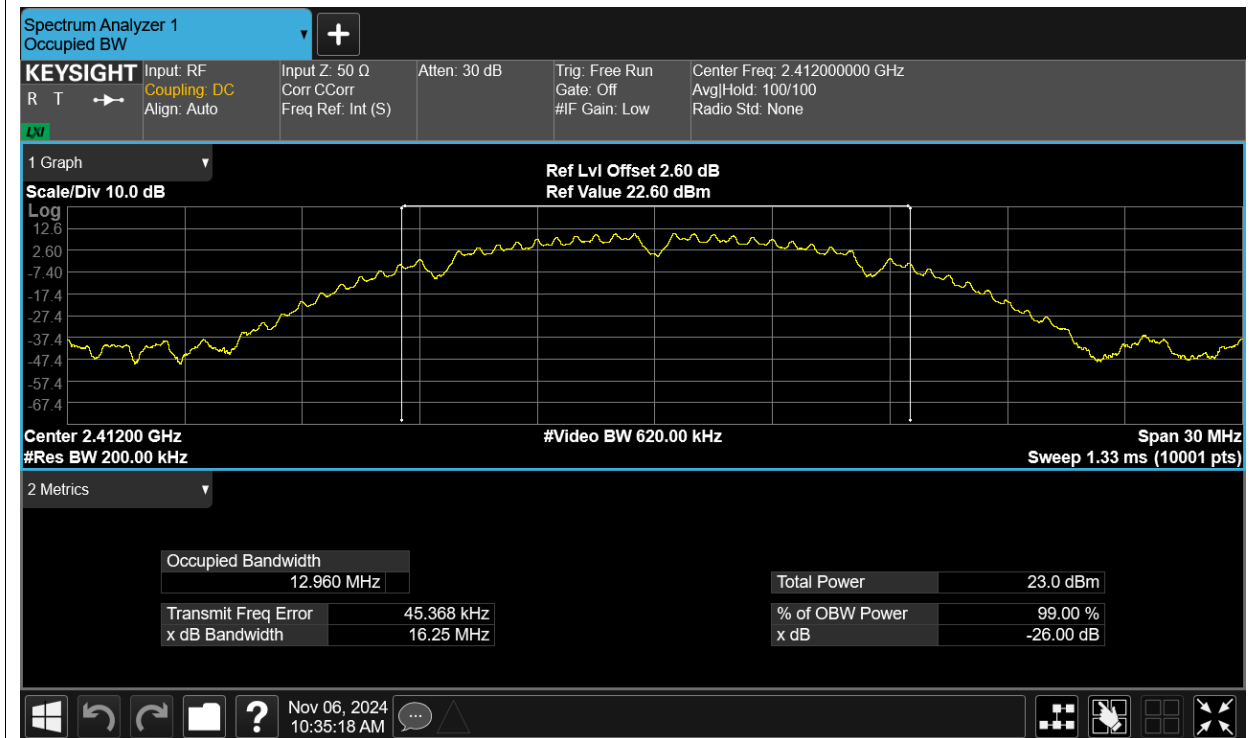
## Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | b    | 2412            | Ant13   | 12.96         |
| NVNT      | b    | 2437            | Ant13   | 13.098        |
| NVNT      | b    | 2462            | Ant13   | 13.266        |
| NVNT      | g    | 2412            | Ant13   | 16.551        |
| NVNT      | g    | 2437            | Ant13   | 16.466        |
| NVNT      | g    | 2462            | Ant13   | 16.534        |
| NVNT      | n20  | 2412            | Ant13   | 17.708        |
| NVNT      | n20  | 2437            | Ant13   | 17.606        |
| NVNT      | n20  | 2462            | Ant13   | 17.638        |
| NVNT      | n40  | 2422            | Ant13   | 35.955        |
| NVNT      | n40  | 2437            | Ant13   | 36.137        |
| NVNT      | n40  | 2452            | Ant13   | 35.963        |

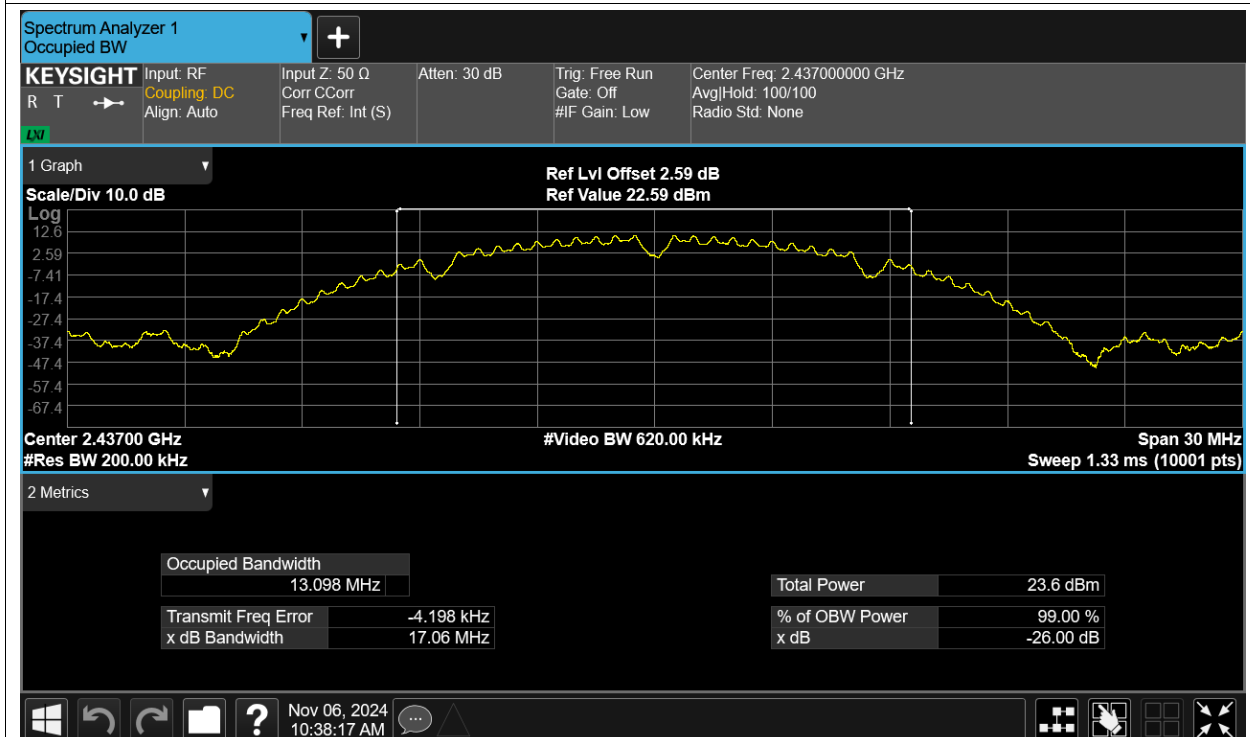


## Test Graphs

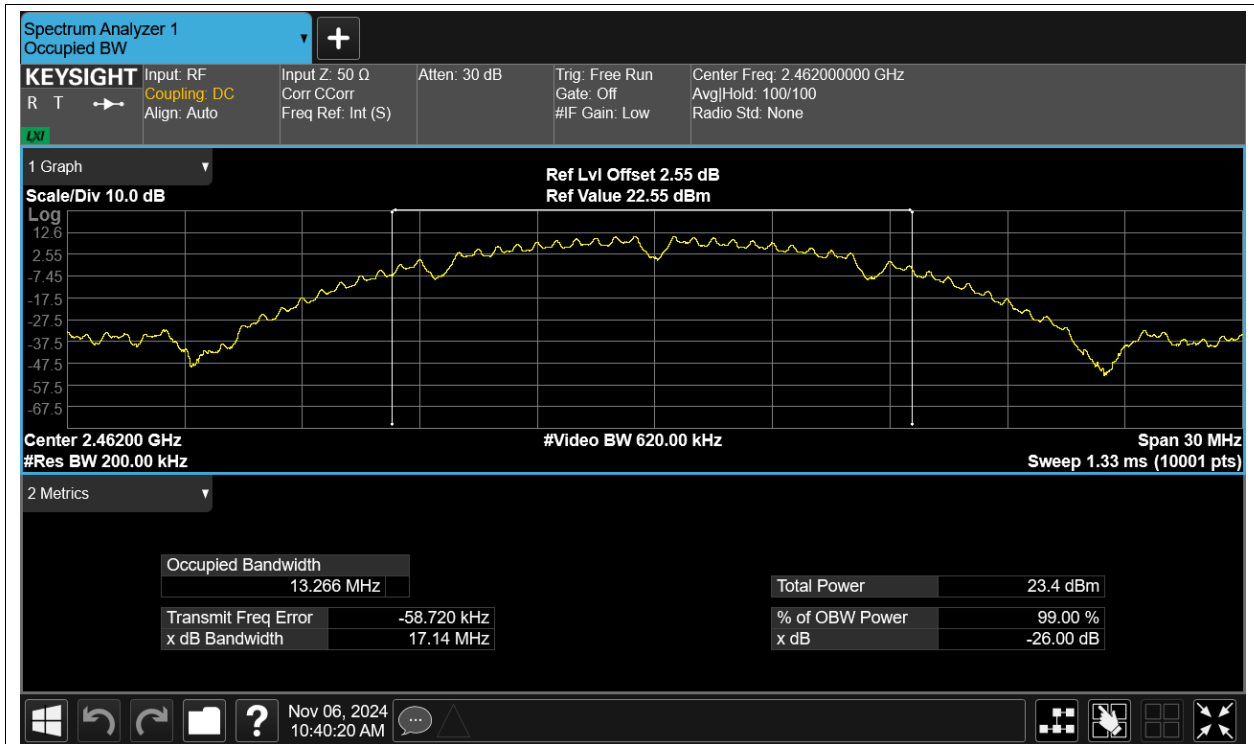
### OBW NVNT b 2412MHz Ant13



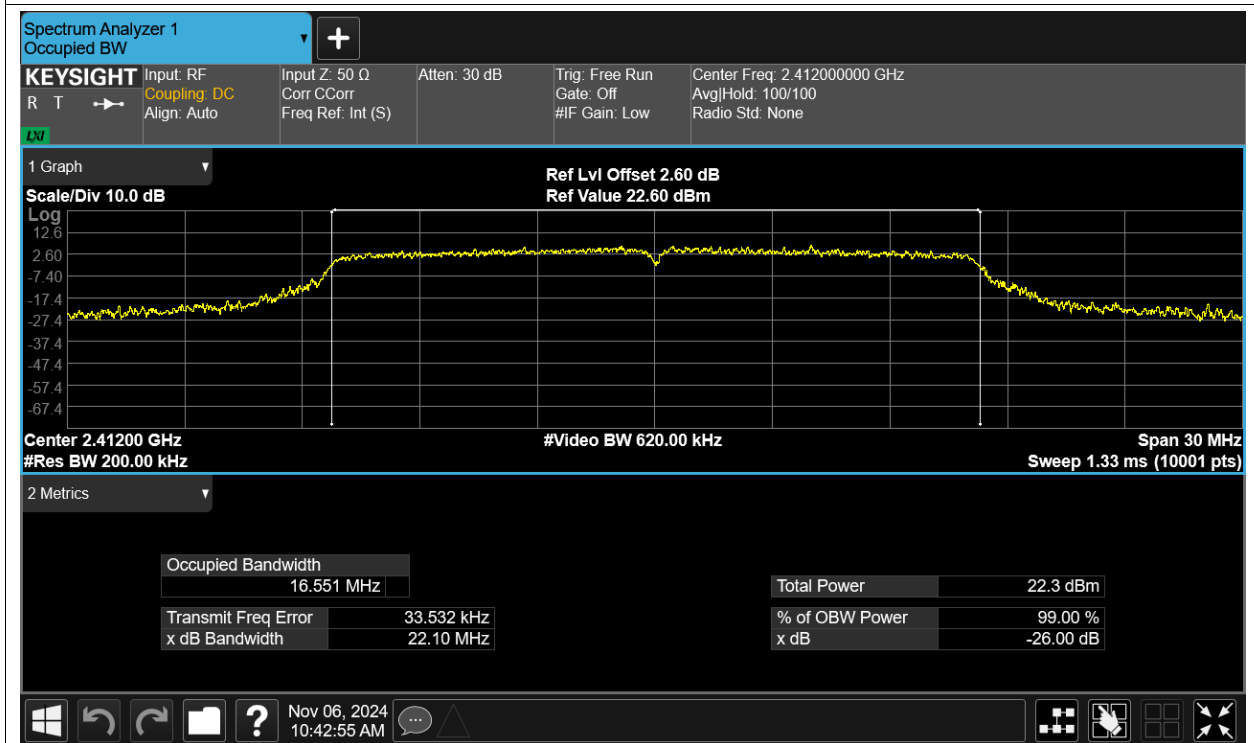
### OBW NVNT b 2437MHz Ant13



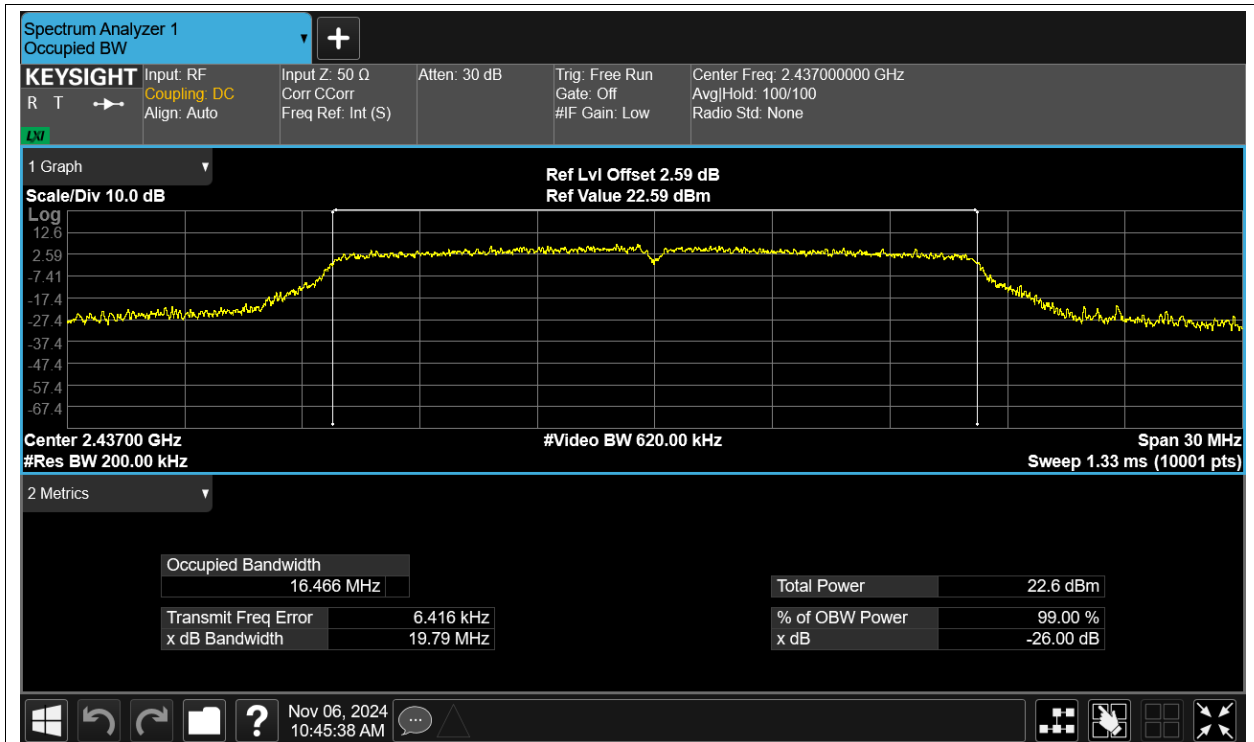
### OBW NVNT b 2462MHz Ant13



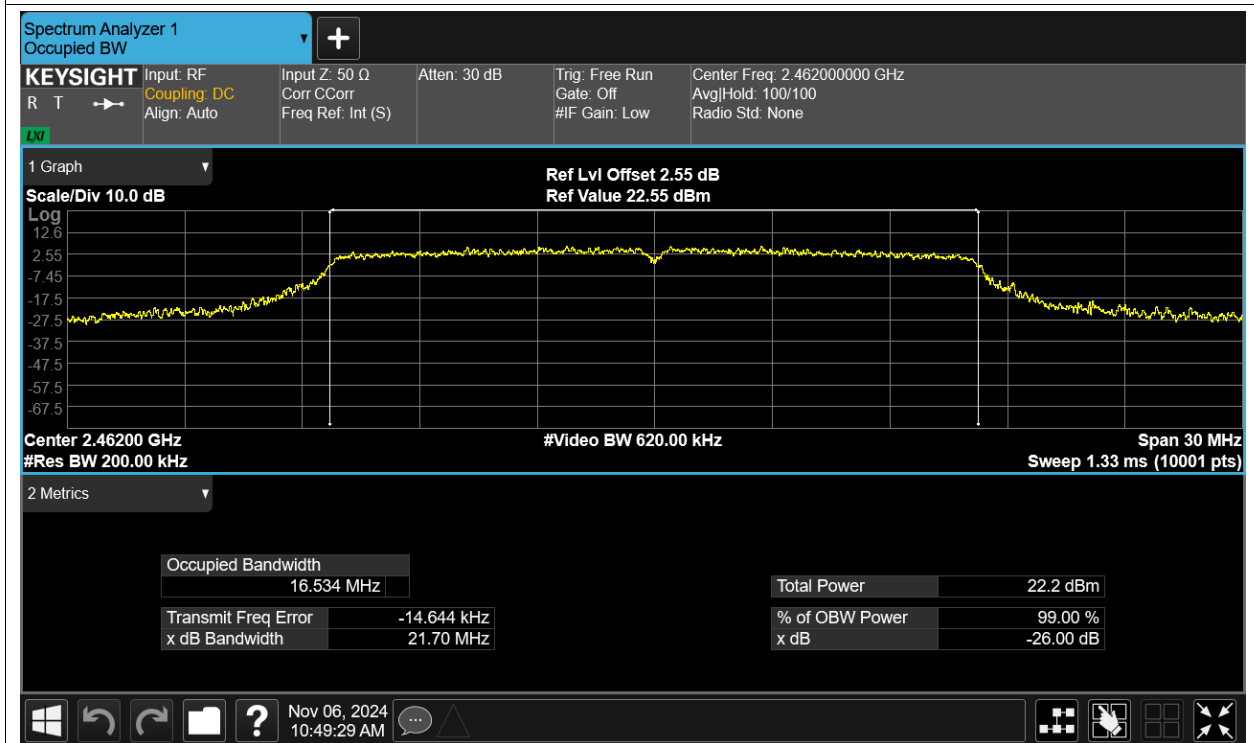
OBW NVNT g 2412MHz Ant13



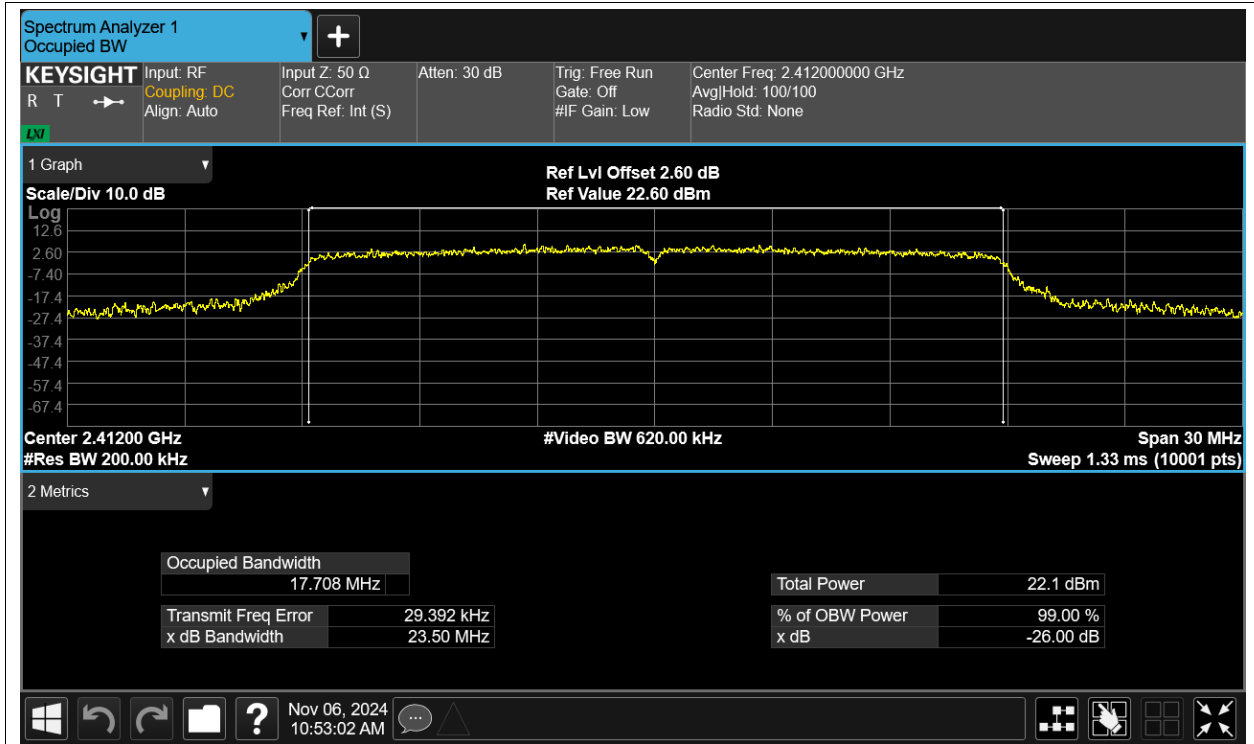
OBW NVNT g 2437MHz Ant13



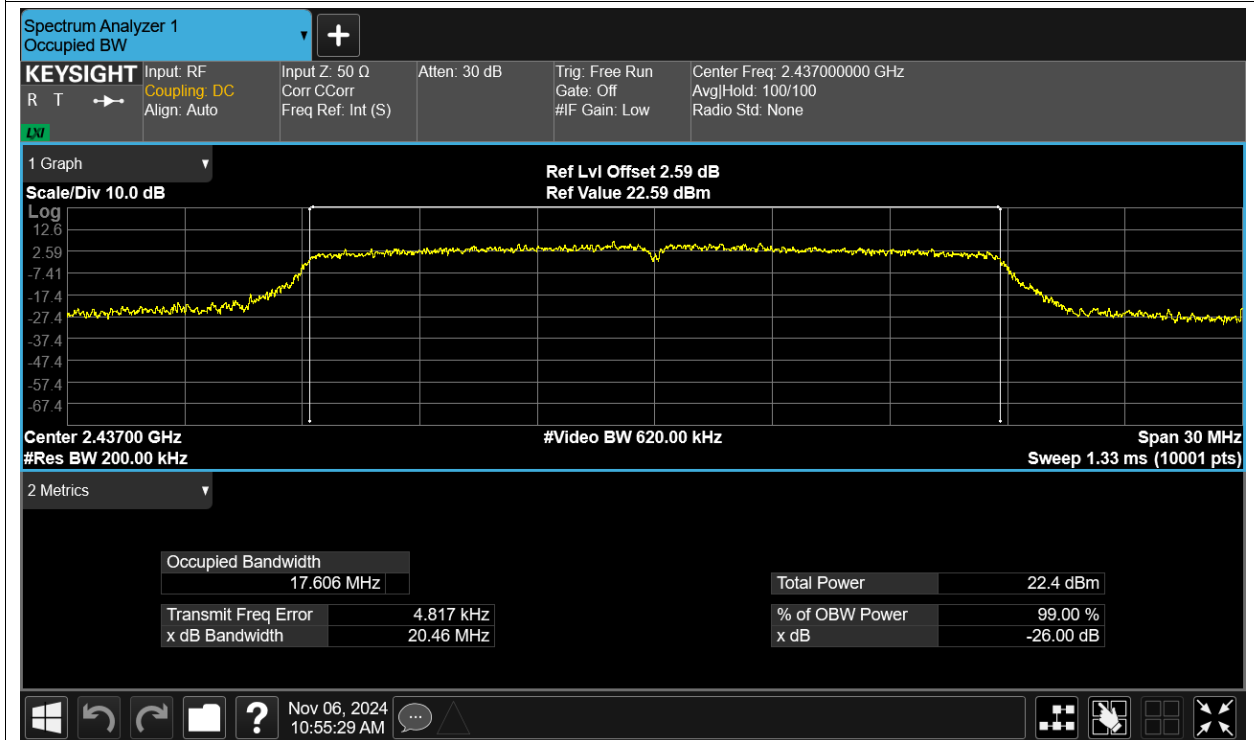
OBW NVNT g 2462MHz Ant13



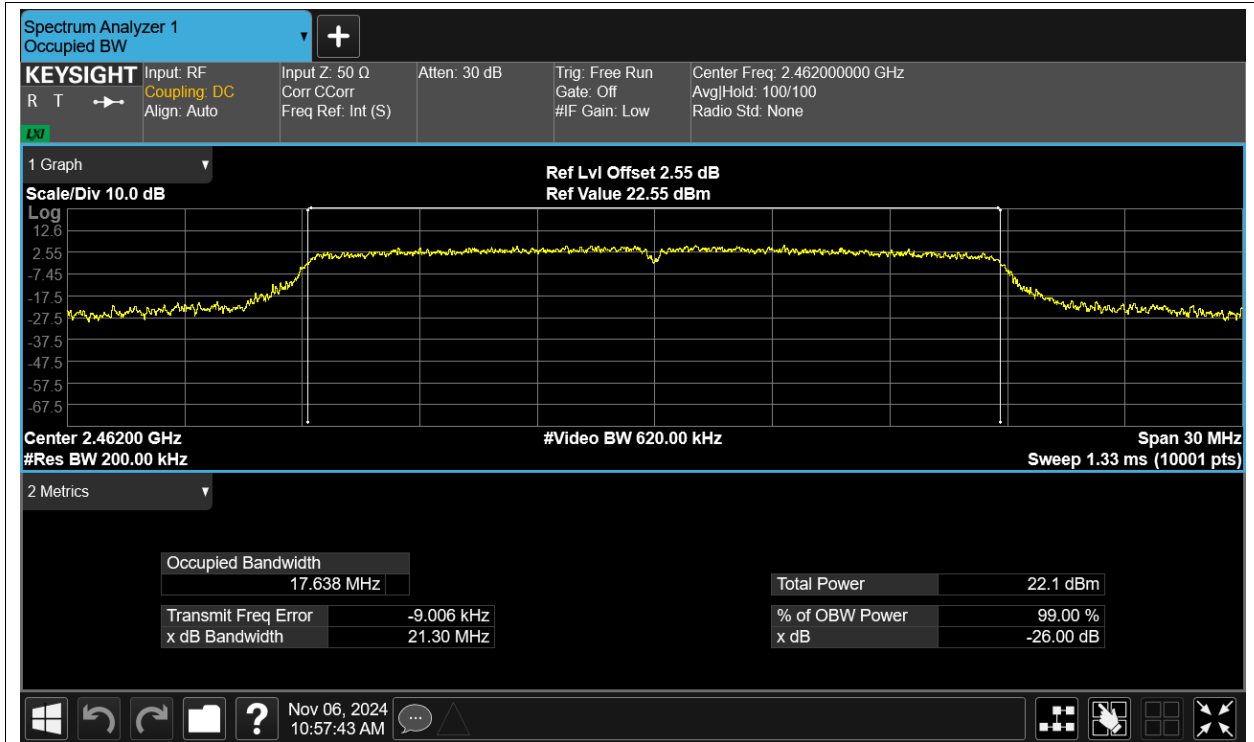
OBW NVNT n20 2412MHz Ant13



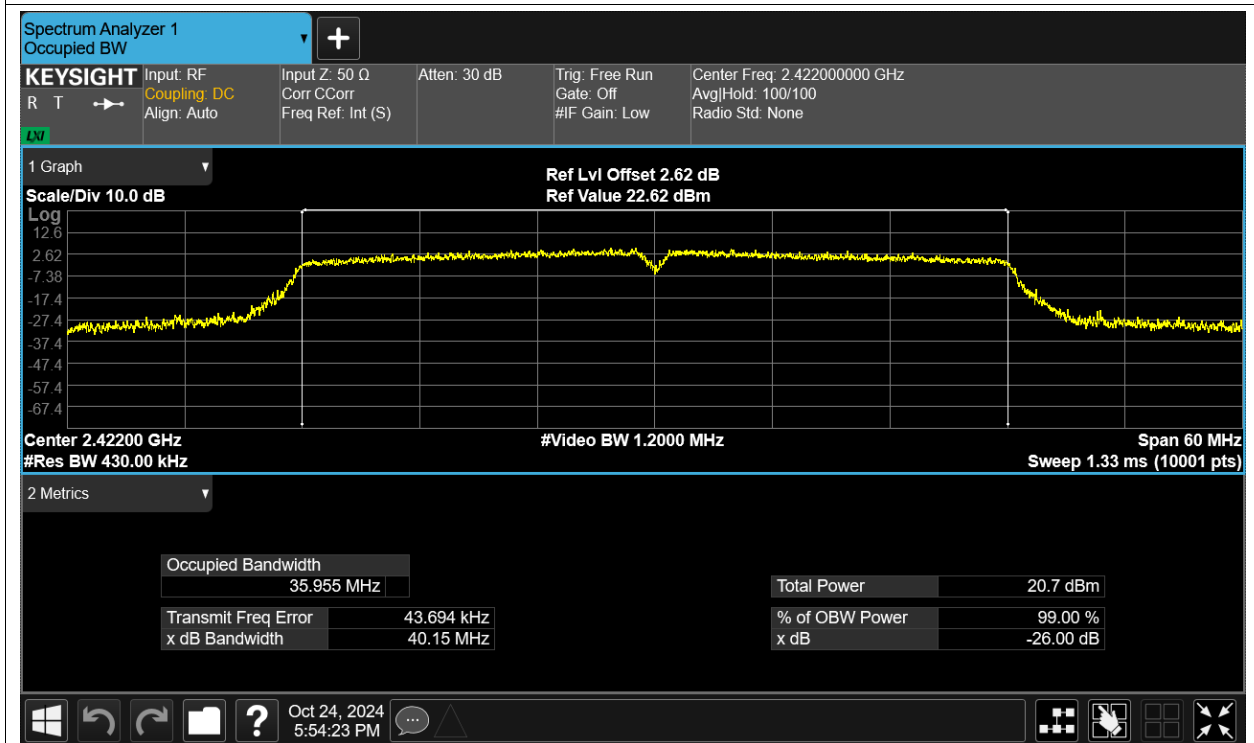
OBW NVNT n20 2437MHz Ant13



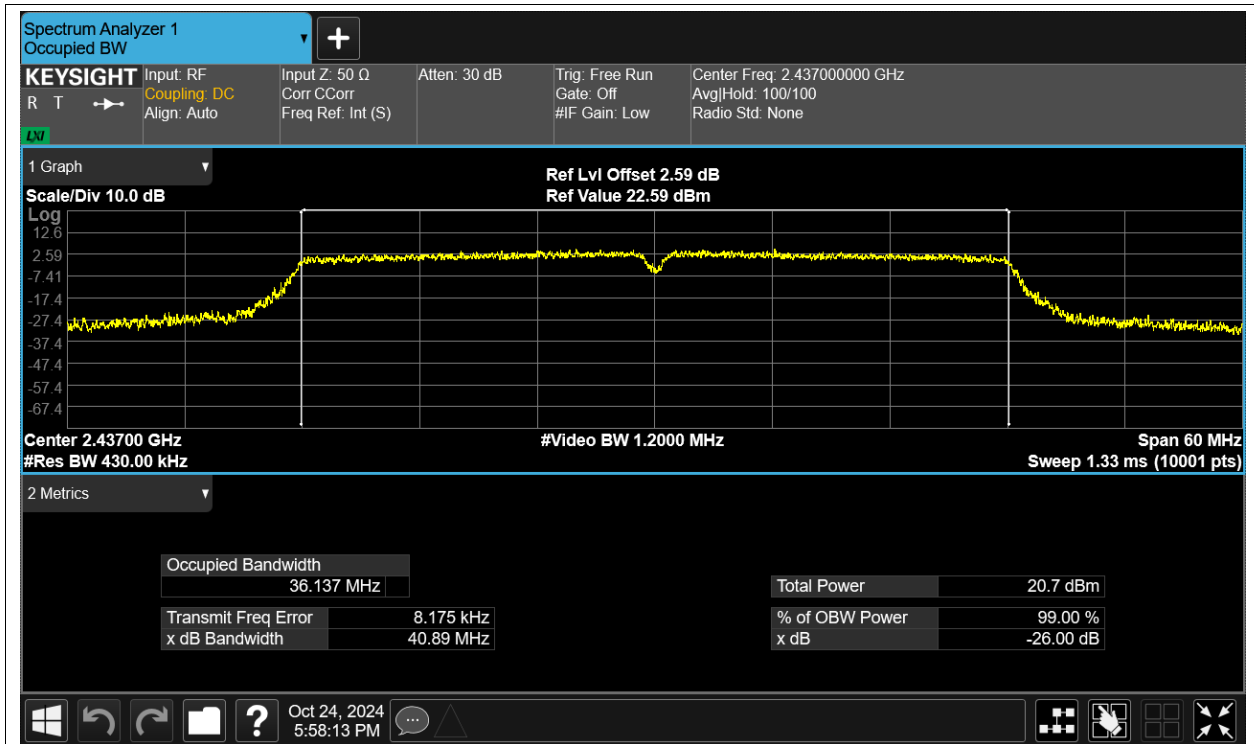
OBW NVNT n20 2462MHz Ant13



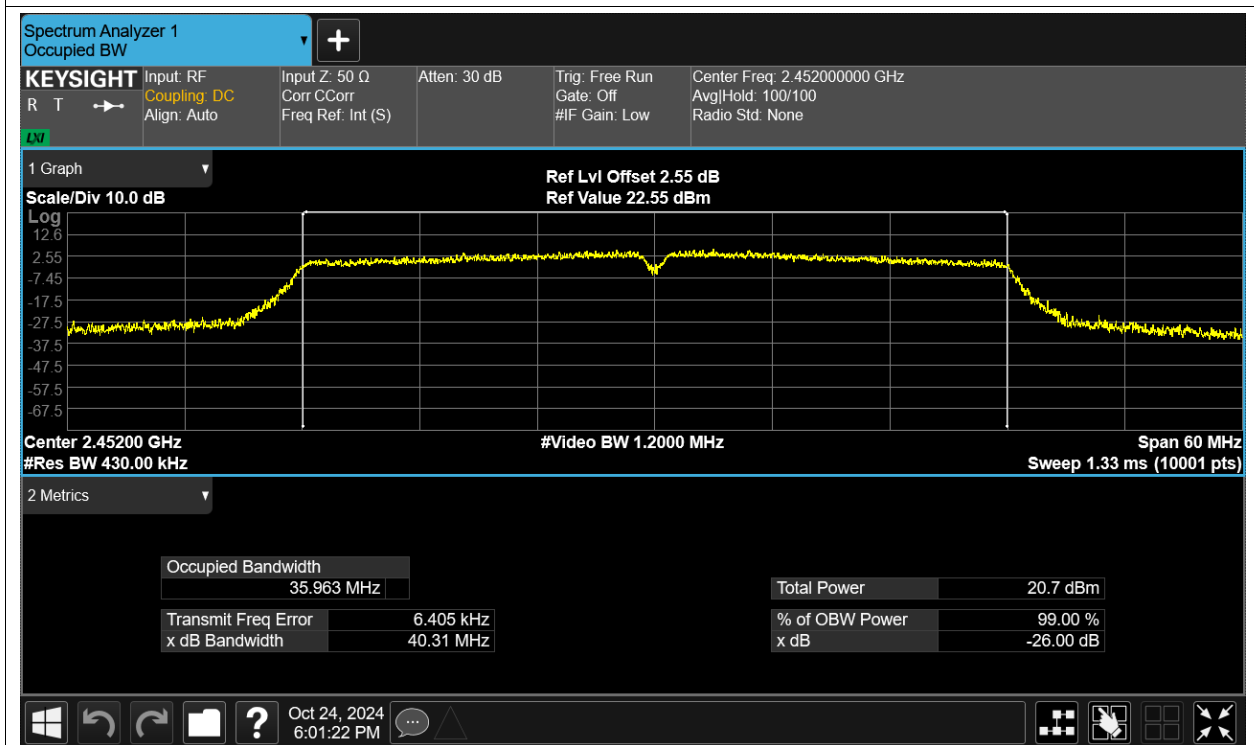
OBW NVNT n40 2422MHz Ant13



OBW NVNT n40 2437MHz Ant13



OBW NVNT n40 2452MHz Ant13

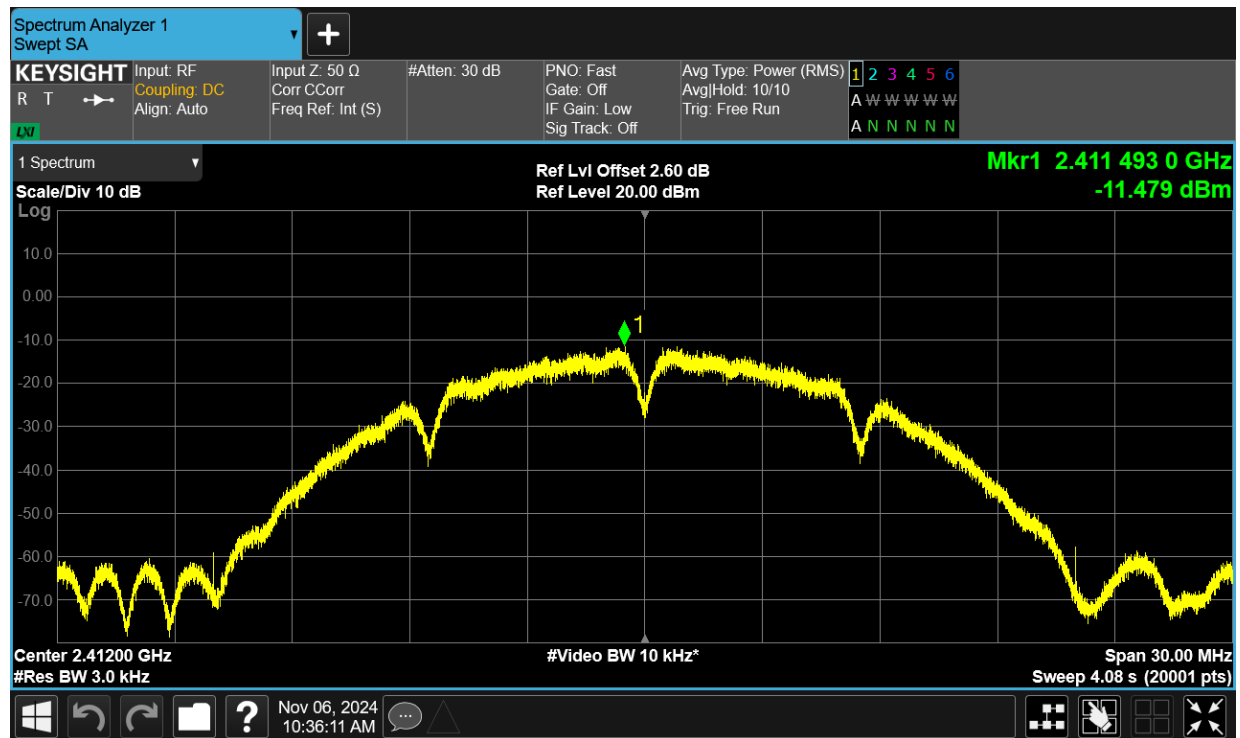


## Maximum Power Spectral Density Level

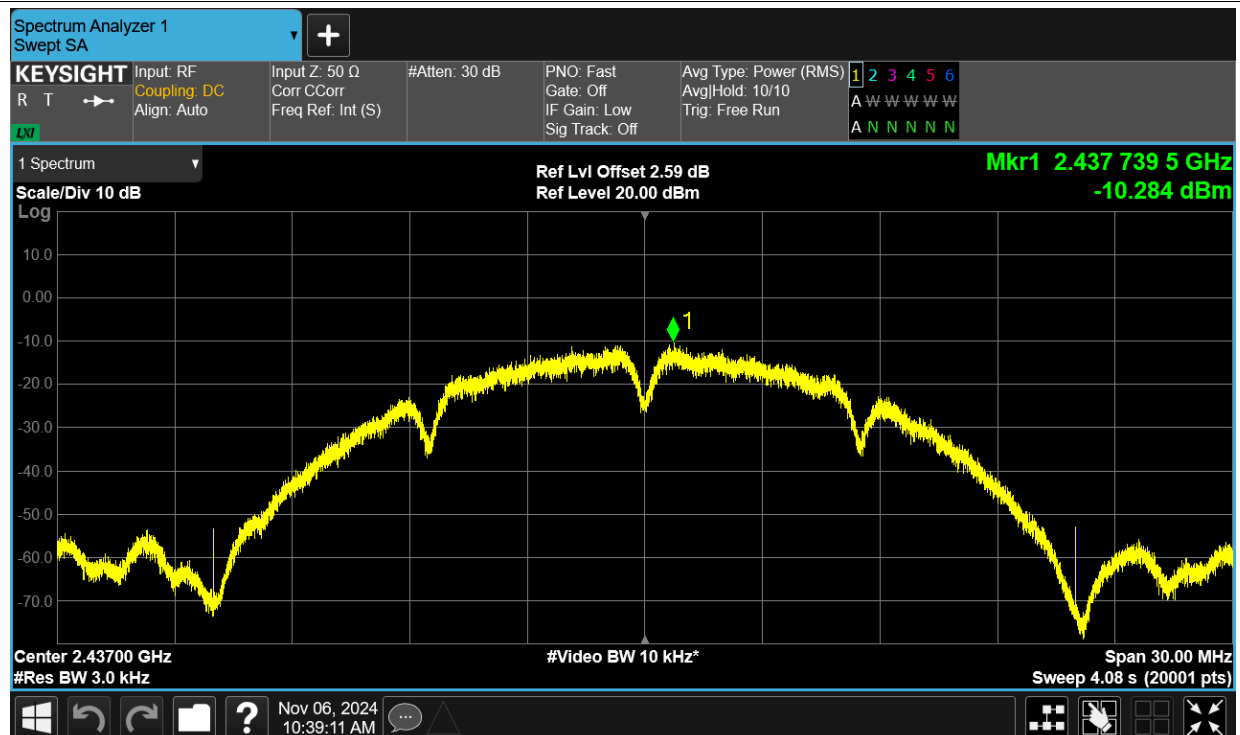
| Condition | Mode | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------|-------------|---------|
| NVNT      | b    | 2412            | Ant13   | -11.479       | 8           | Pass    |
| NVNT      | b    | 2437            | Ant13   | -10.284       | 8           | Pass    |
| NVNT      | b    | 2462            | Ant13   | -10.802       | 8           | Pass    |
| NVNT      | g    | 2412            | Ant13   | -14.841       | 8           | Pass    |
| NVNT      | g    | 2437            | Ant13   | -14.664       | 8           | Pass    |
| NVNT      | g    | 2462            | Ant13   | -15.142       | 8           | Pass    |
| NVNT      | n20  | 2412            | Ant13   | -15.394       | 8           | Pass    |
| NVNT      | n20  | 2437            | Ant13   | -14.886       | 8           | Pass    |
| NVNT      | n20  | 2462            | Ant13   | -15.314       | 8           | Pass    |
| NVNT      | n40  | 2422            | Ant13   | -19.697       | 8           | Pass    |
| NVNT      | n40  | 2437            | Ant13   | -18.932       | 8           | Pass    |
| NVNT      | n40  | 2452            | Ant13   | -19.31        | 8           | Pass    |

## Test Graphs

PSD NVNT b 2412MHz Ant13

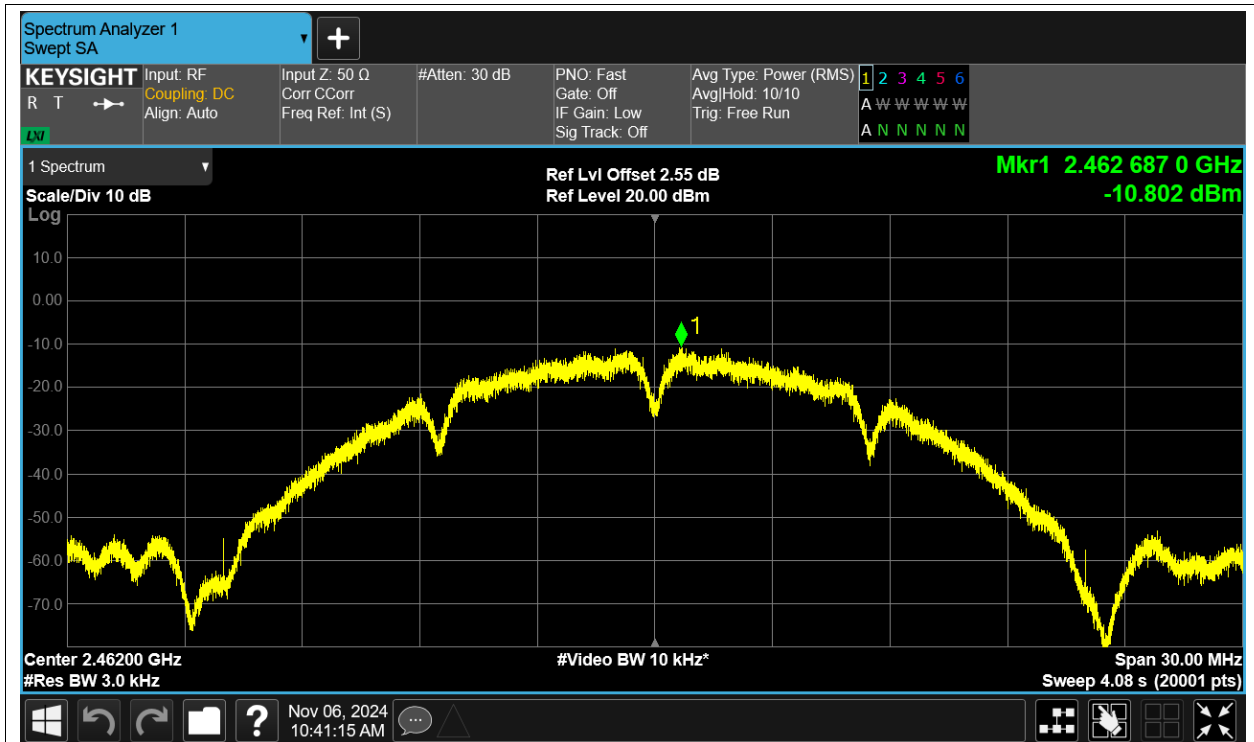


PSD NVNT b 2437MHz Ant13

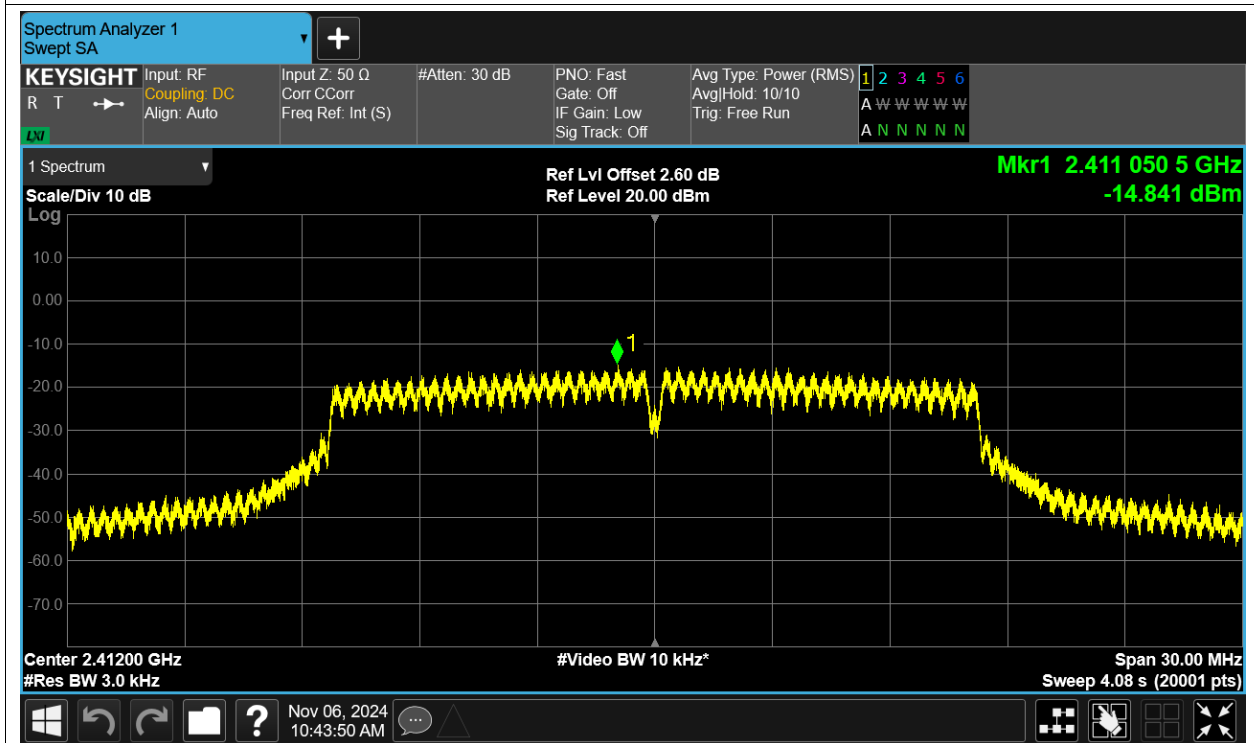


PSD NVNT b 2462MHz Ant13

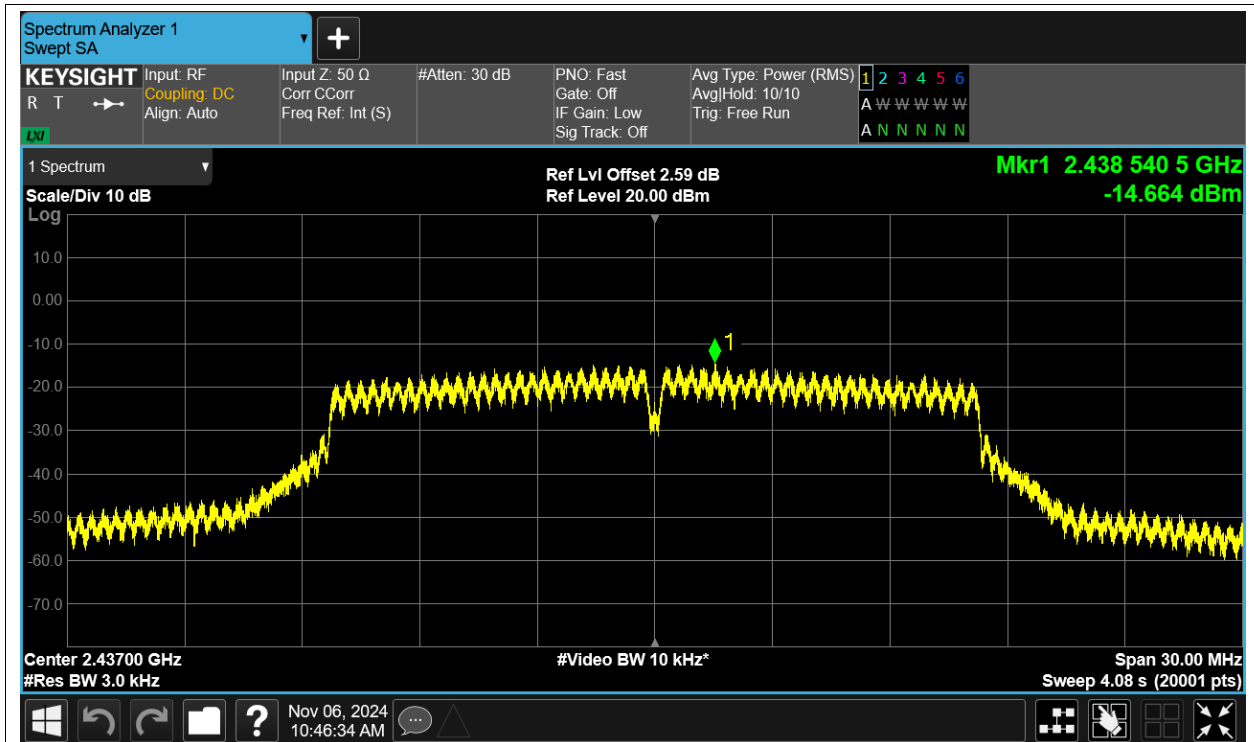




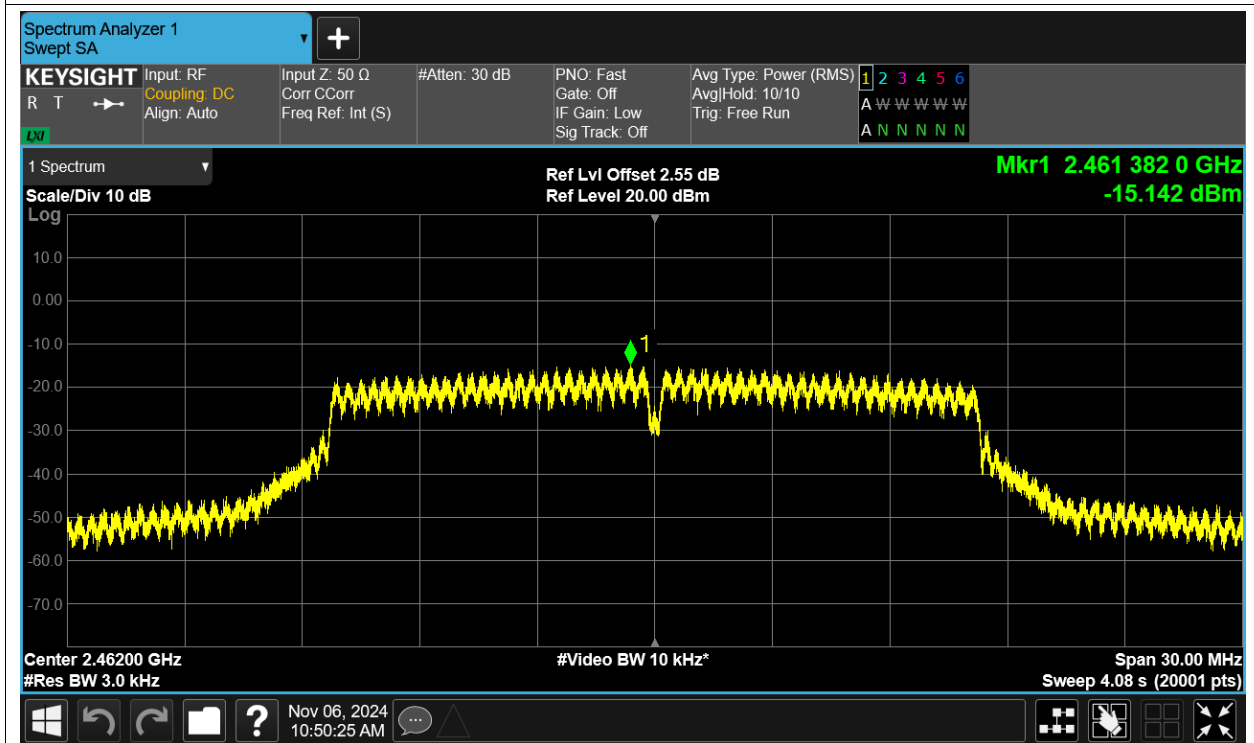
PSD NVNT g 2412MHz Ant13



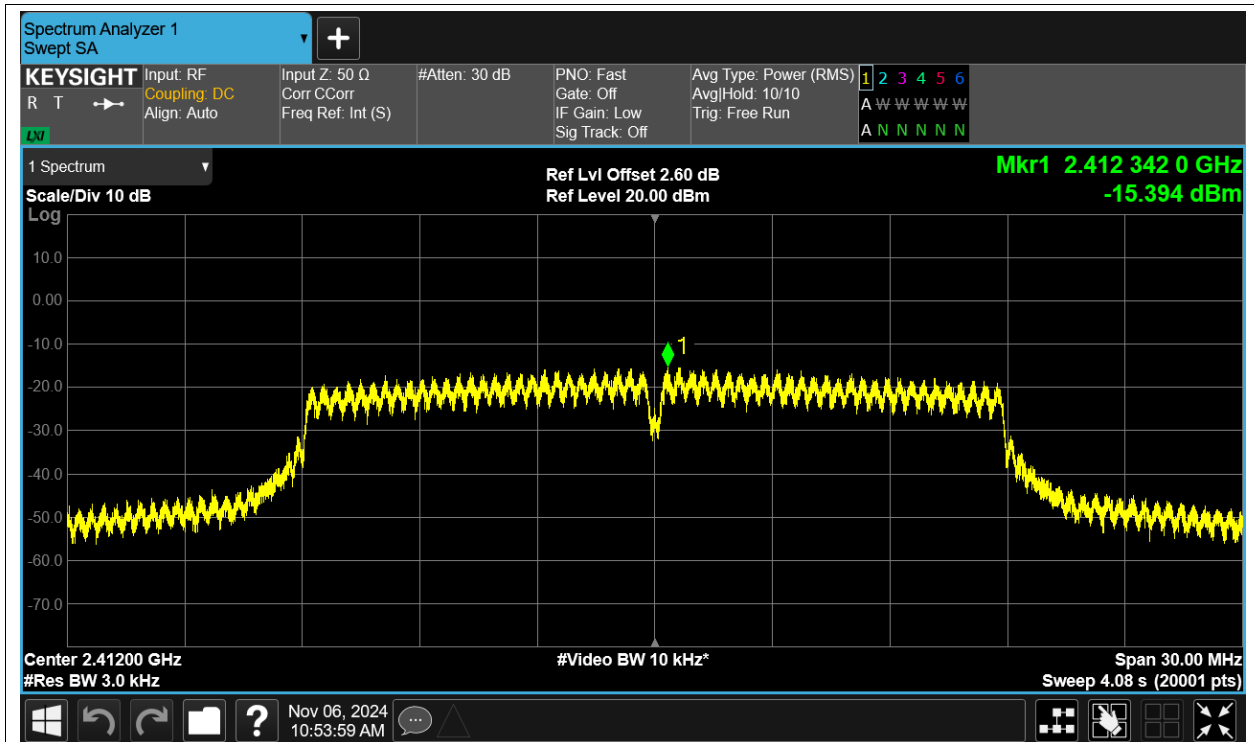
PSD NVNT g 2437MHz Ant13



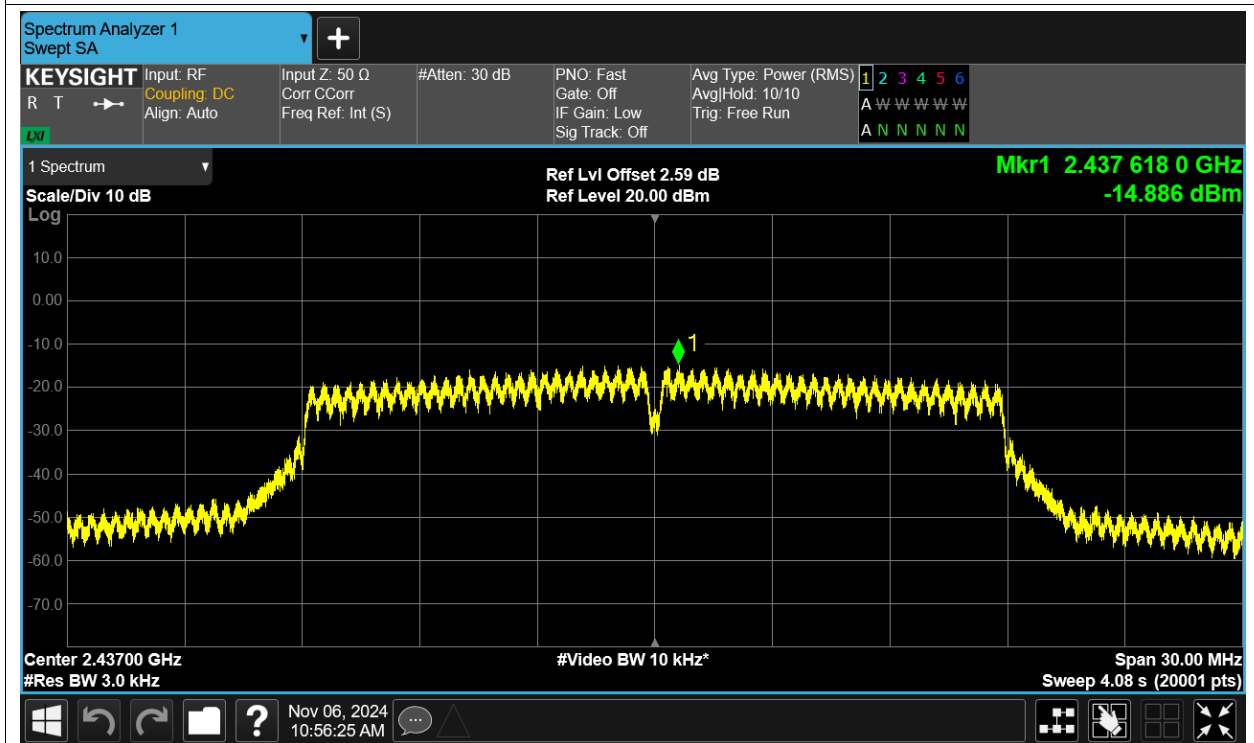
PSD NVNT g 2462MHz Ant13



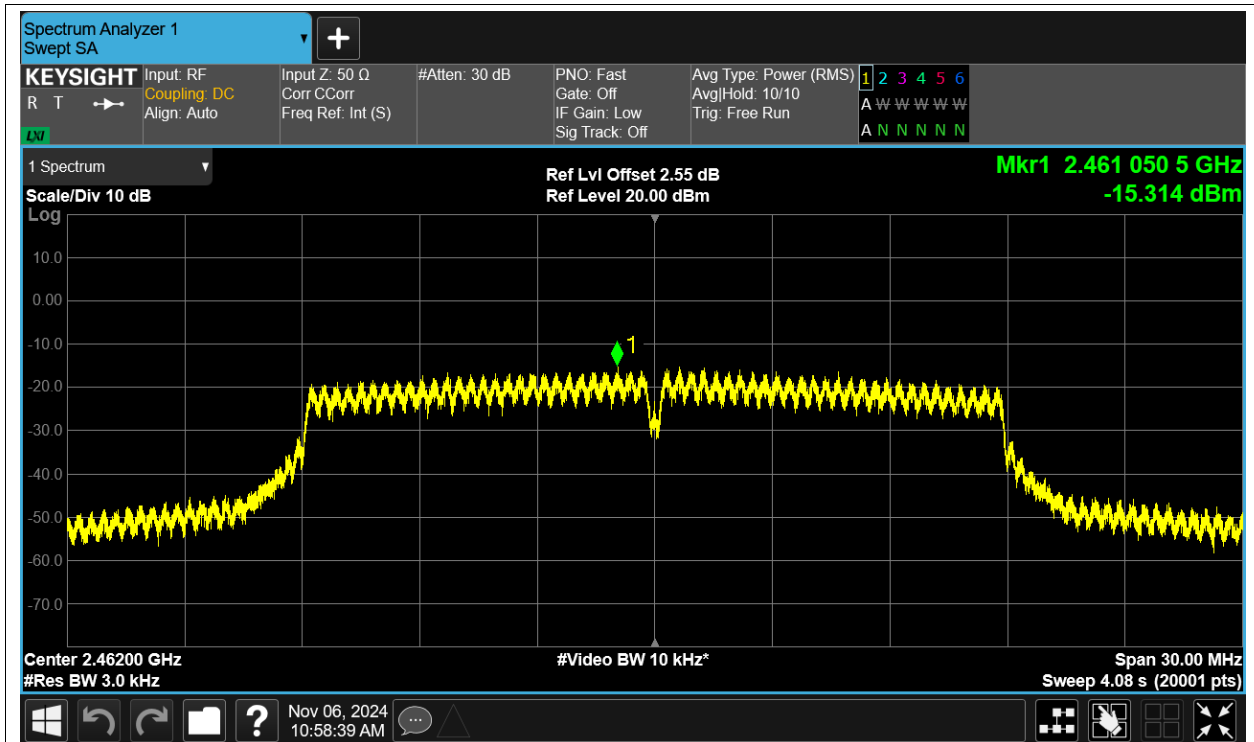
PSD NVNT n20 2412MHz Ant13



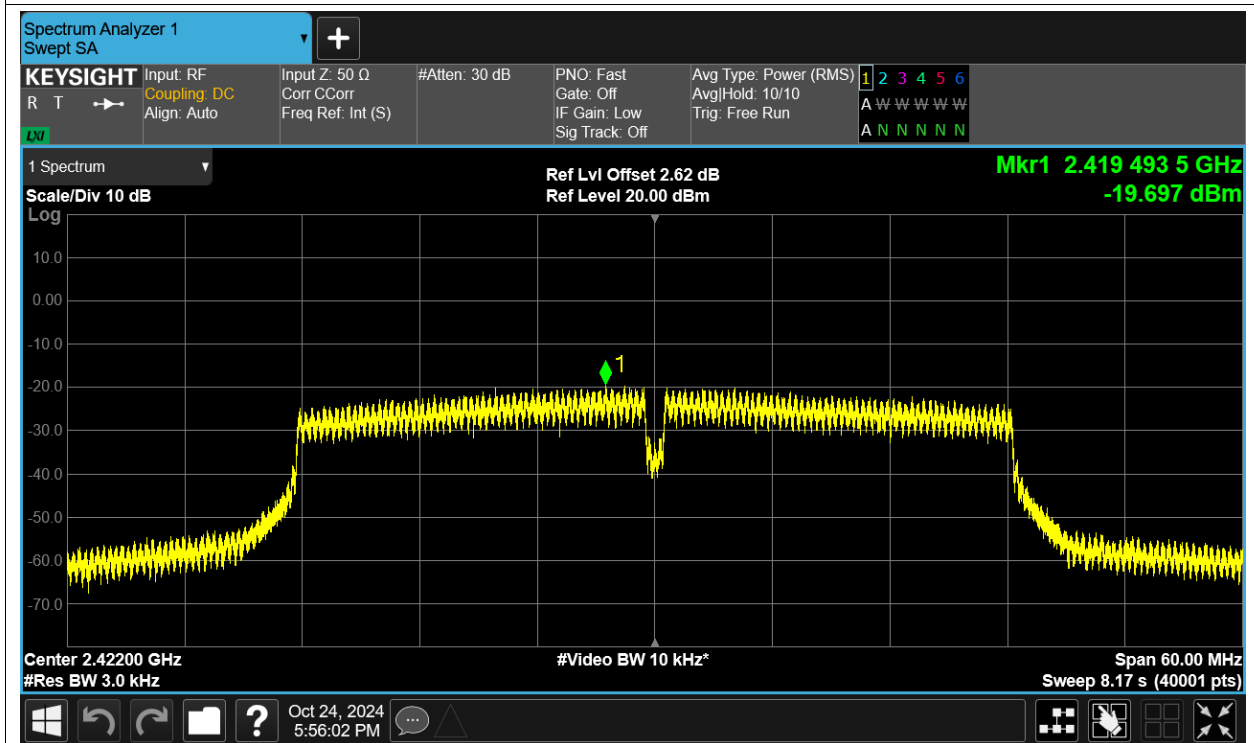
PSD NVNT n20 2437MHz Ant13



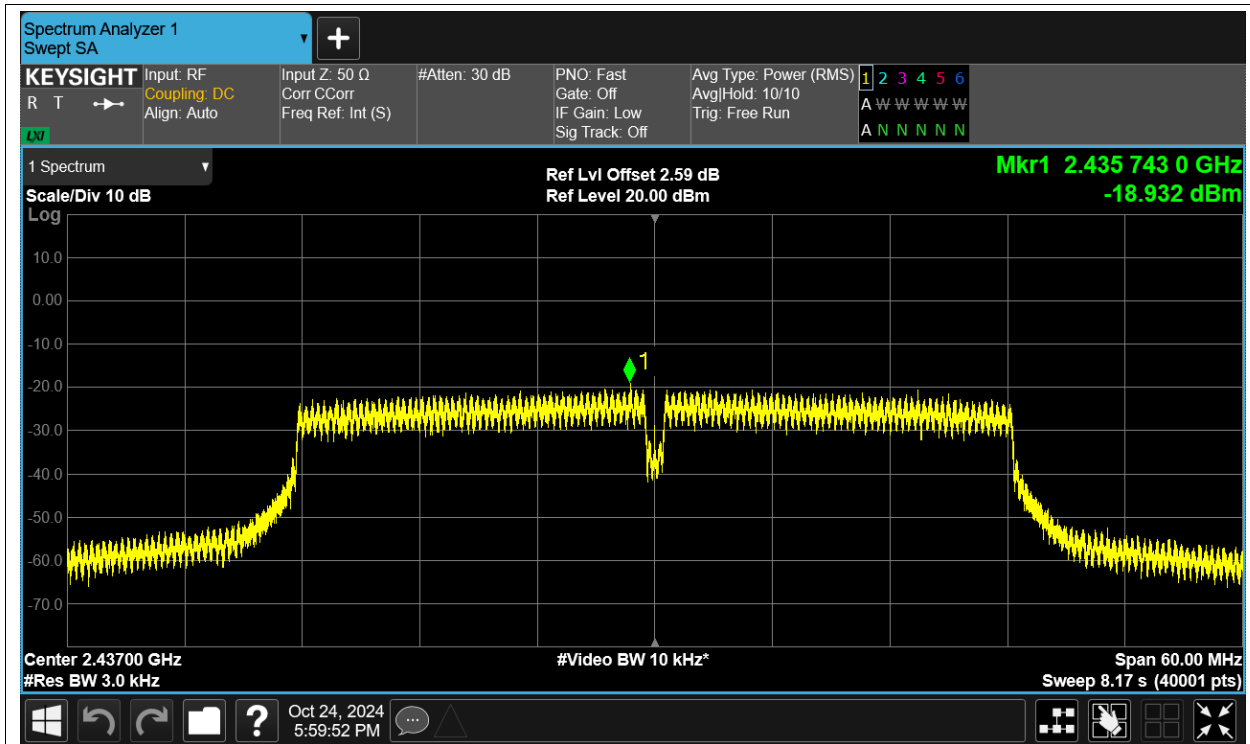
PSD NVNT n20 2462MHz Ant13



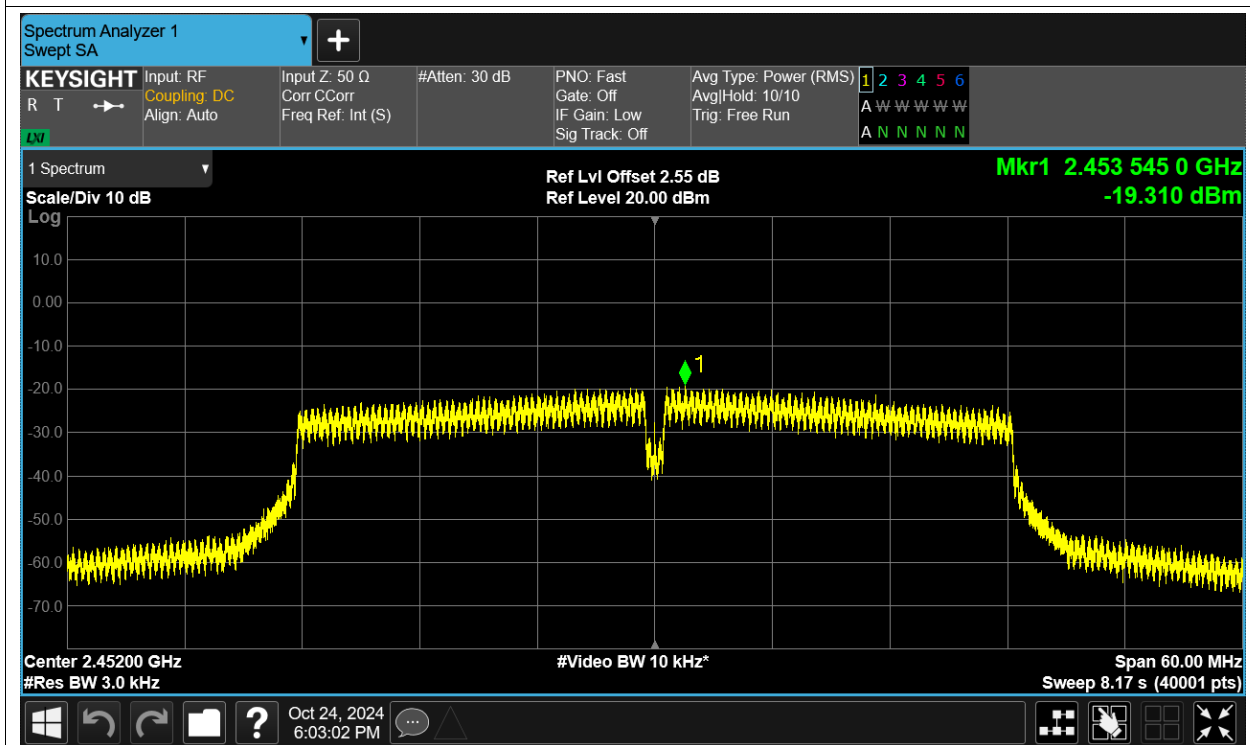
PSD NVNT n40 2422MHz Ant13



PSD NVNT n40 2437MHz Ant13



PSD NVNT n40 2452MHz Ant13

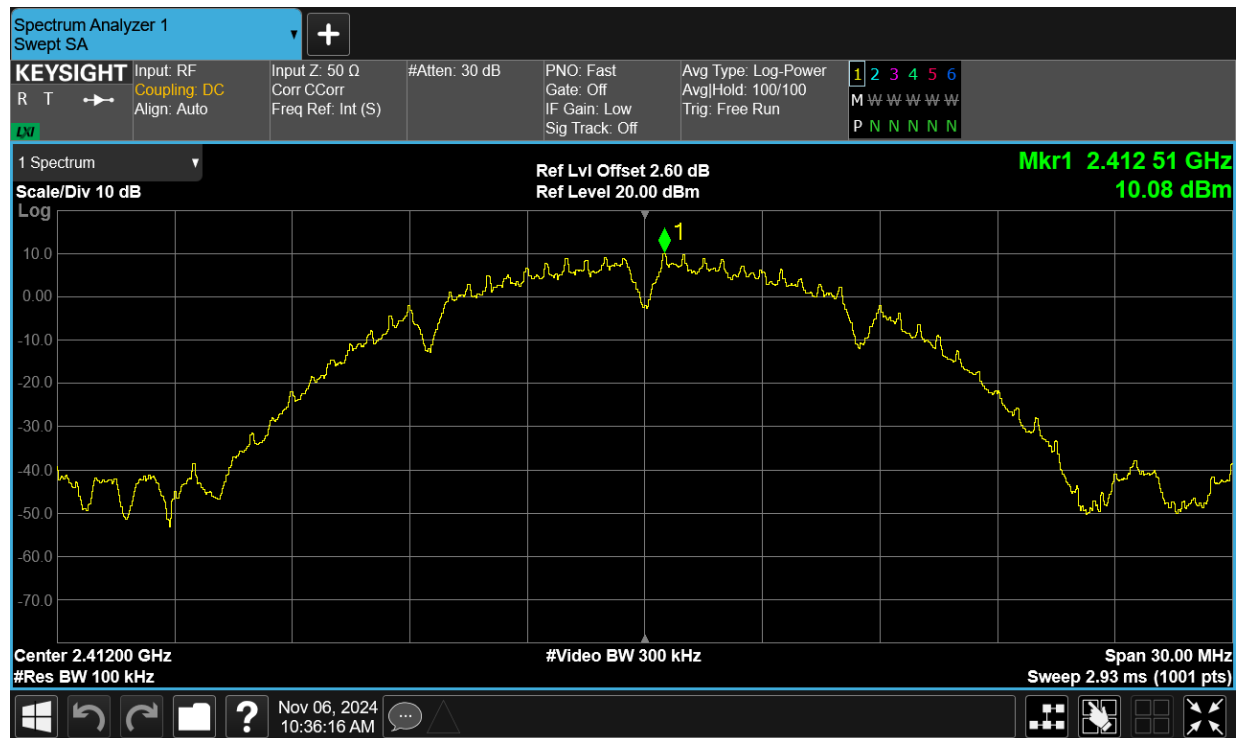


## Band Edge

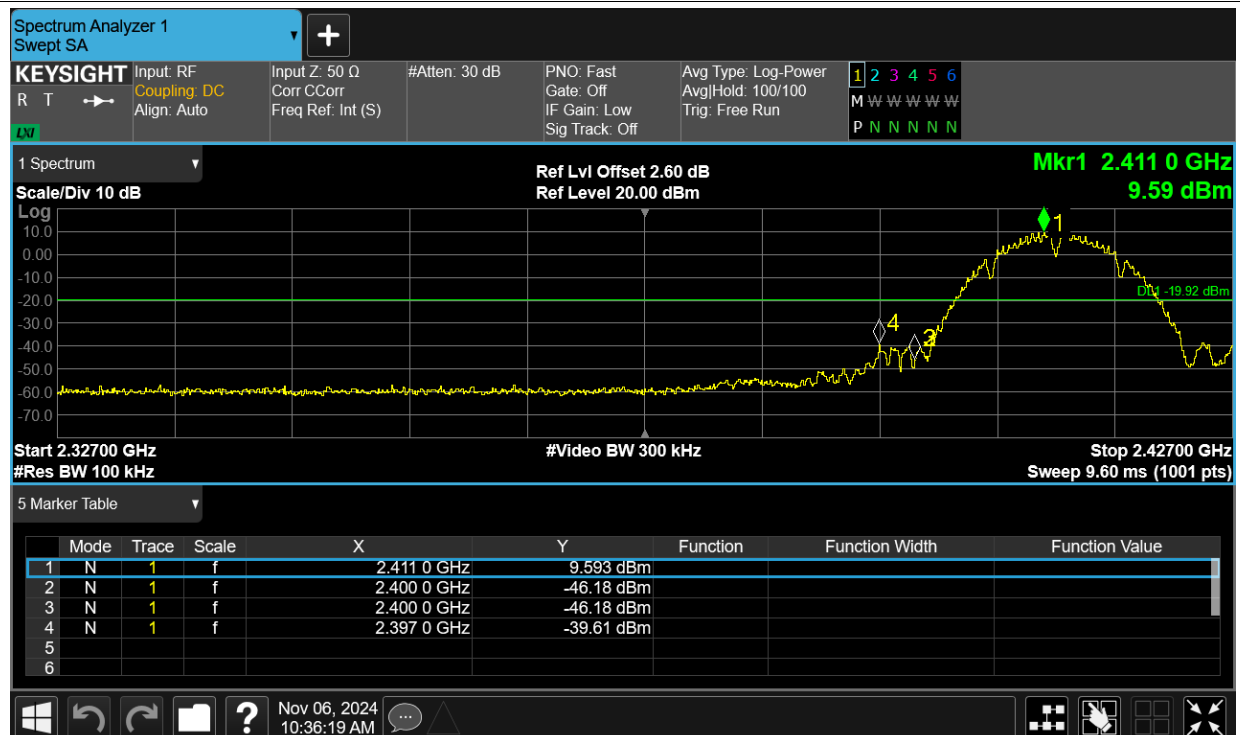
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b    | 2412            | Ant13   | -49.69          | -30         | Pass    |
| NVNT      | b    | 2462            | Ant13   | -61.35          | -30         | Pass    |
| NVNT      | g    | 2412            | Ant13   | -30.94          | -30         | Pass    |
| NVNT      | g    | 2462            | Ant13   | -42.89          | -30         | Pass    |
| NVNT      | n20  | 2412            | Ant13   | -31.66          | -30         | Pass    |
| NVNT      | n20  | 2462            | Ant13   | -37.94          | -30         | Pass    |
| NVNT      | n40  | 2422            | Ant13   | -30.93          | -30         | Pass    |
| NVNT      | n40  | 2452            | Ant13   | -37.3           | -30         | Pass    |

## Test Graphs

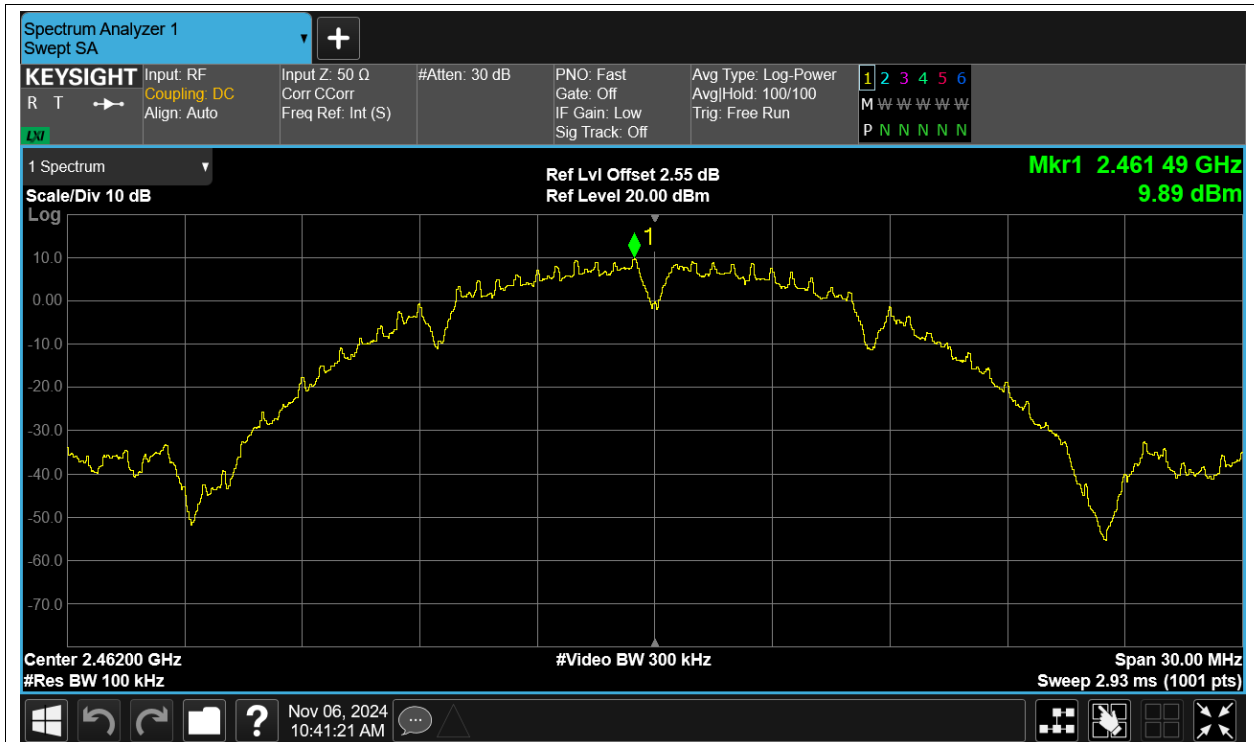
### Band Edge NVNT b 2412MHz Ant13 Ref



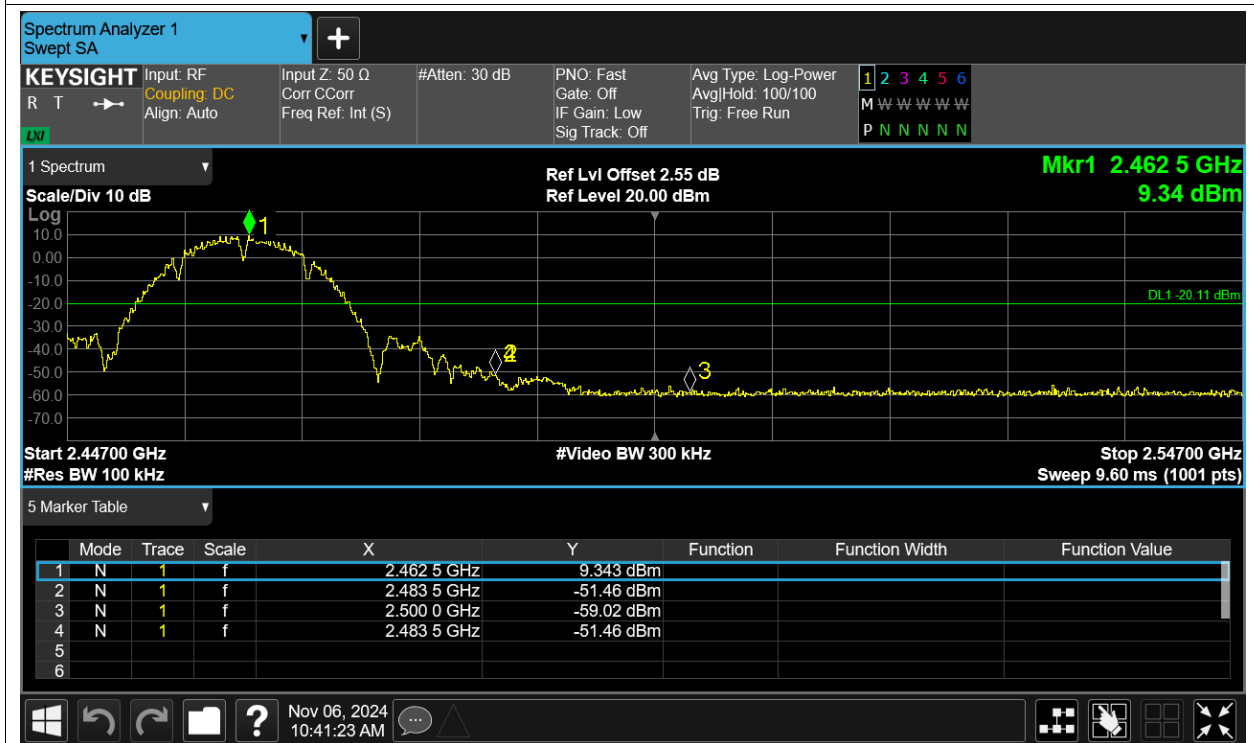
### Band Edge NVNT b 2412MHz Ant13 Emission



### Band Edge NVNT b 2462MHz Ant13 Ref

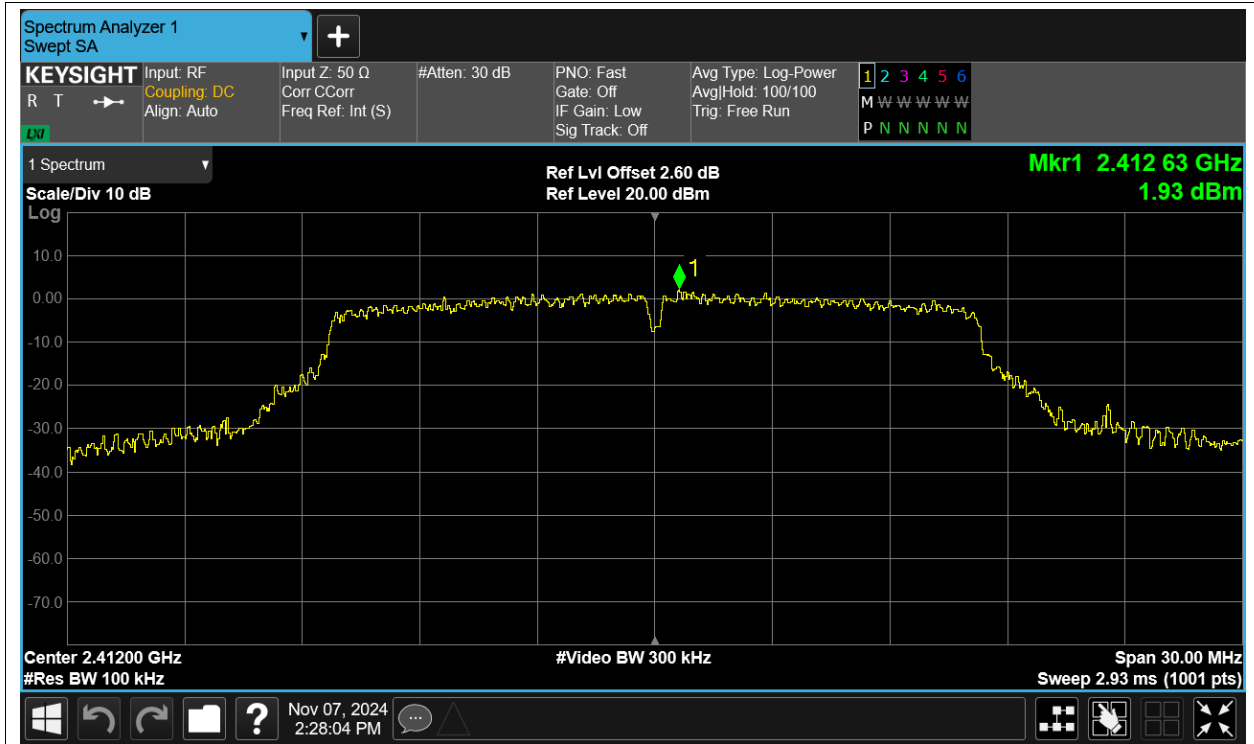


Band Edge NVNT b 2462MHz Ant13 Emission

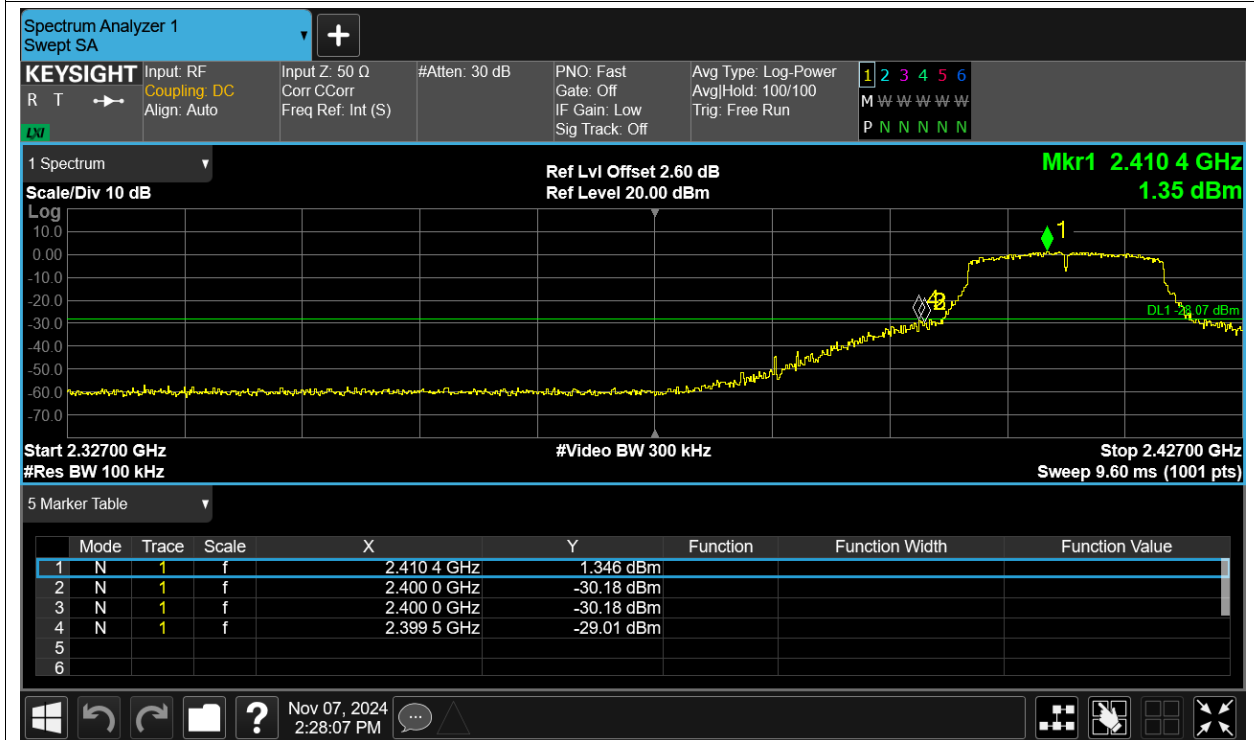


Band Edge NVNT g 2412MHz Ant13 Ref

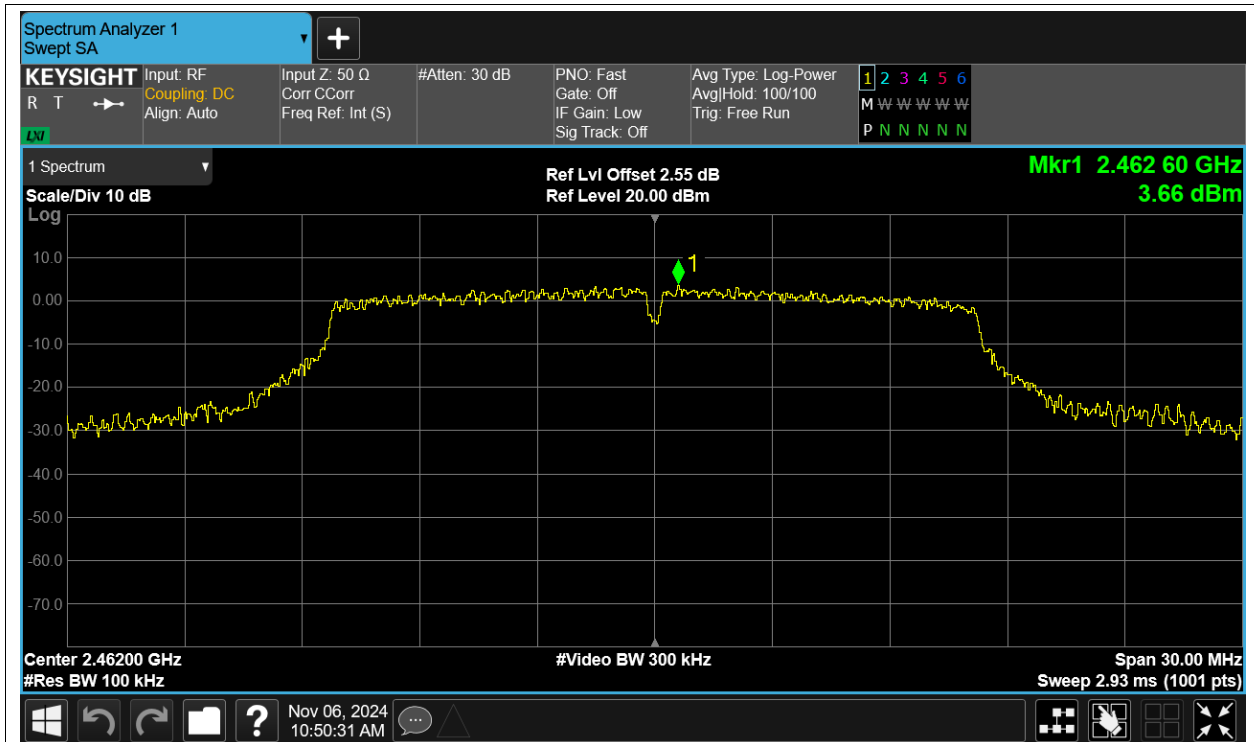




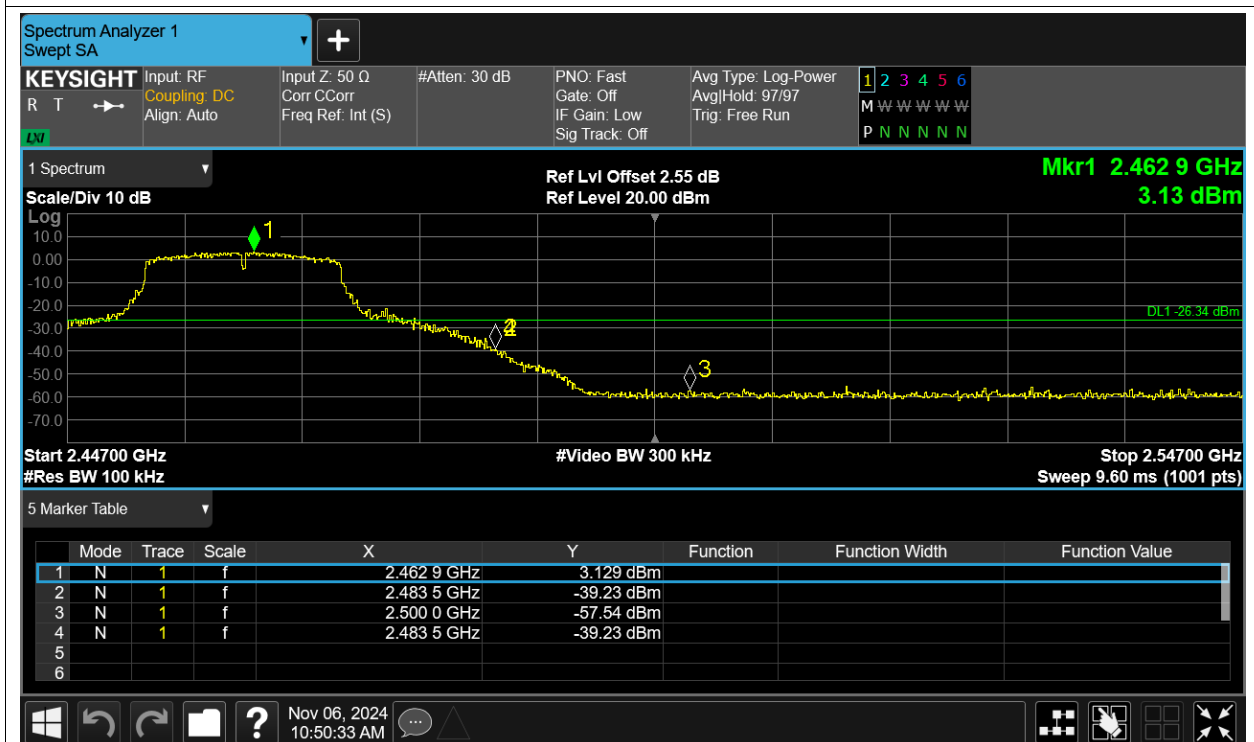
Band Edge NVNT g 2412MHz Ant13 Emission



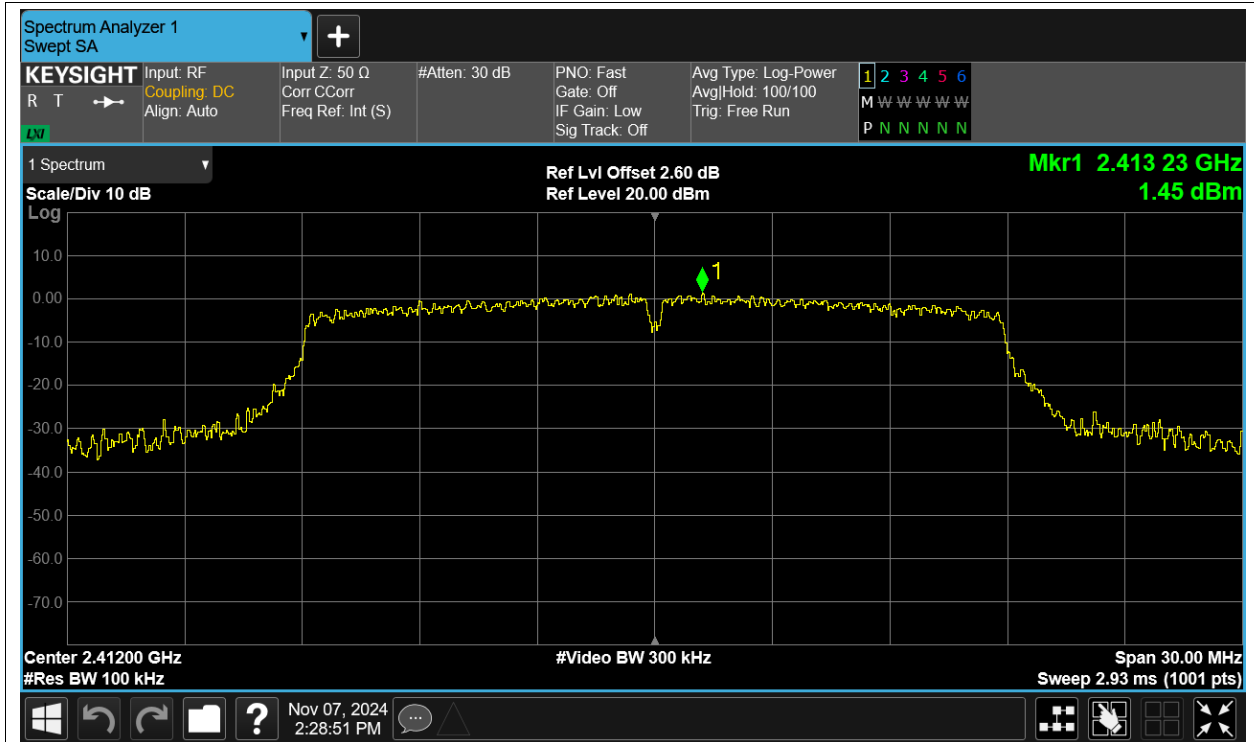
Band Edge NVNT g 2462MHz Ant13 Ref



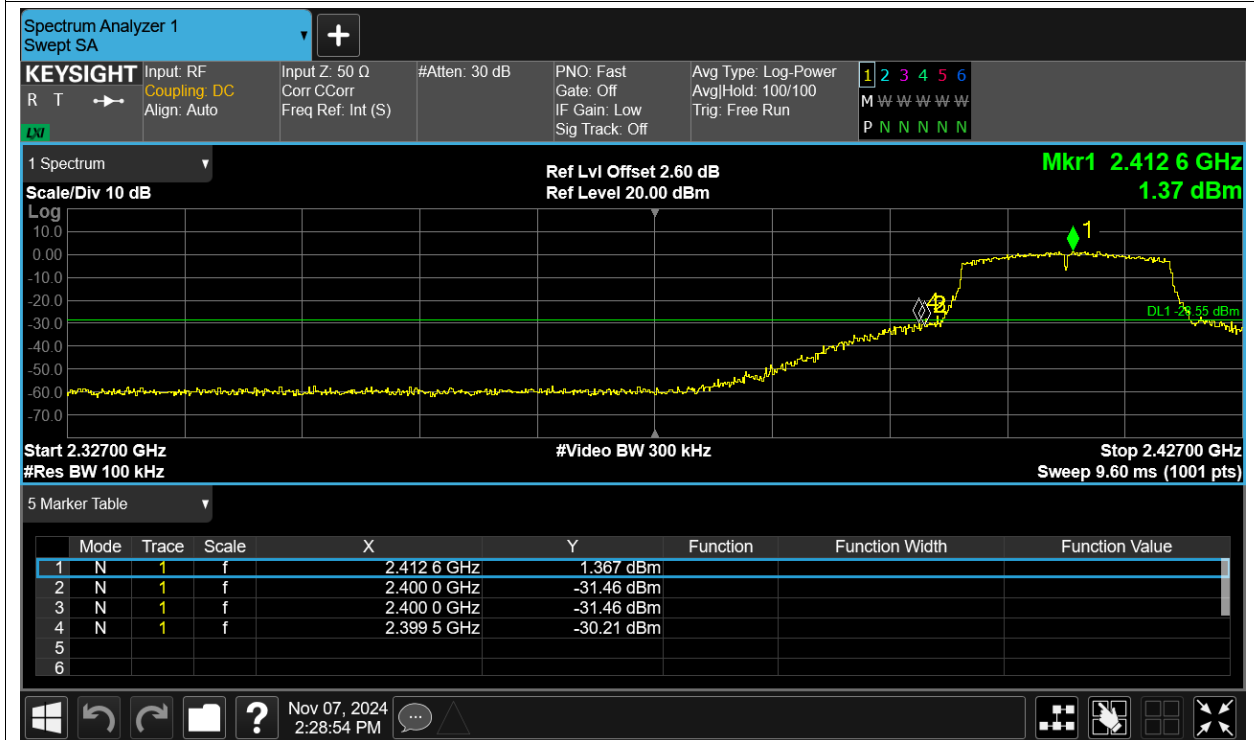
Band Edge NVNT g 2462MHz Ant13 Emission



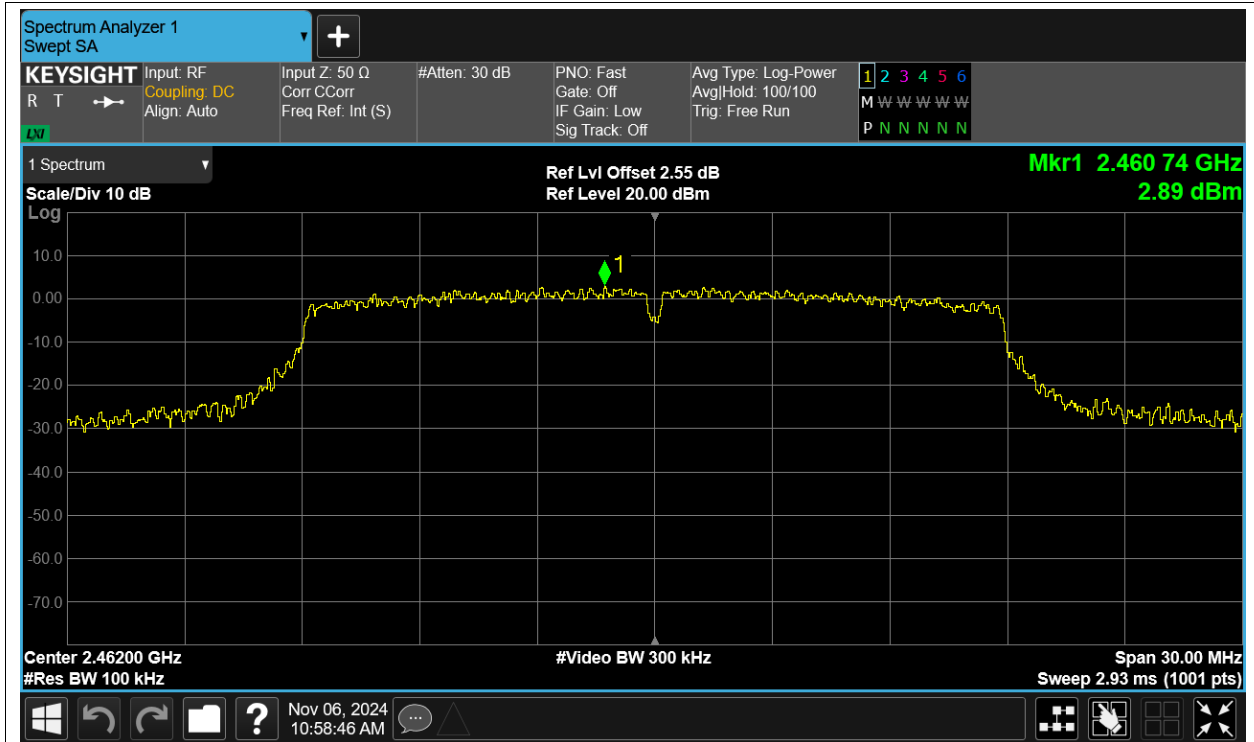
Band Edge NVNT n20 2412MHz Ant13 Ref



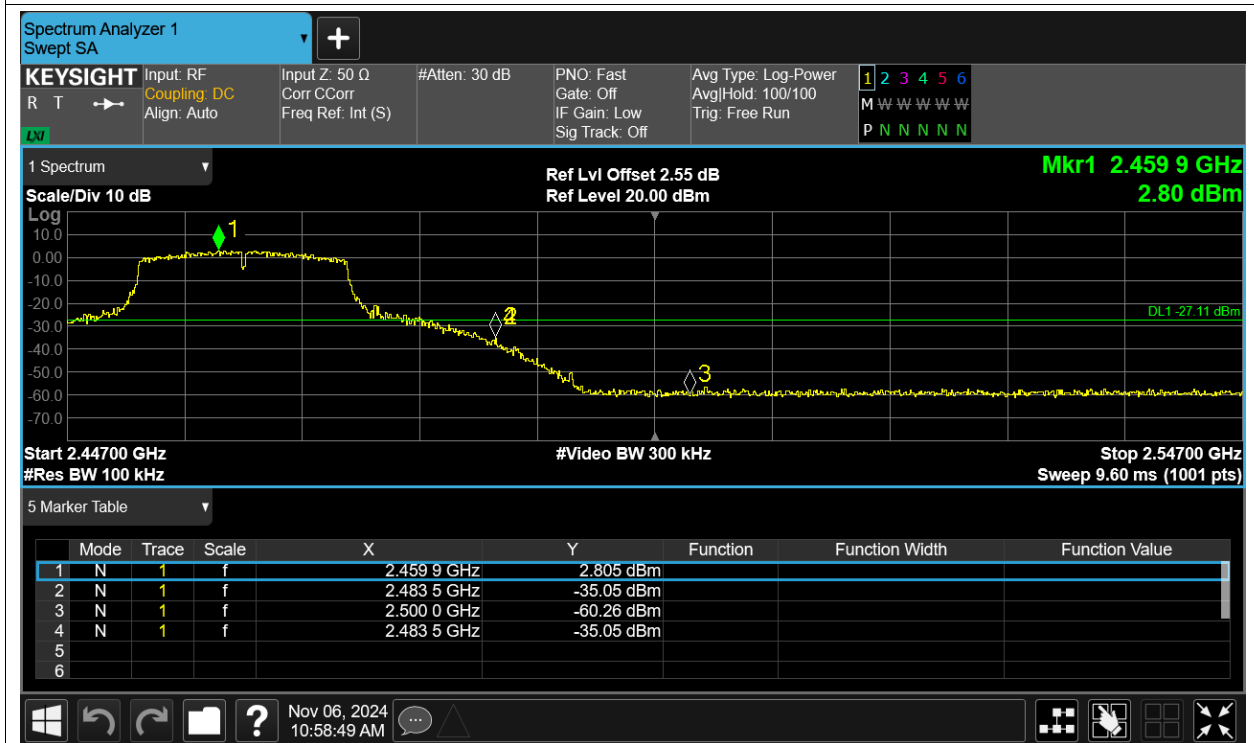
Band Edge NVNT n20 2412MHz Ant13 Emission



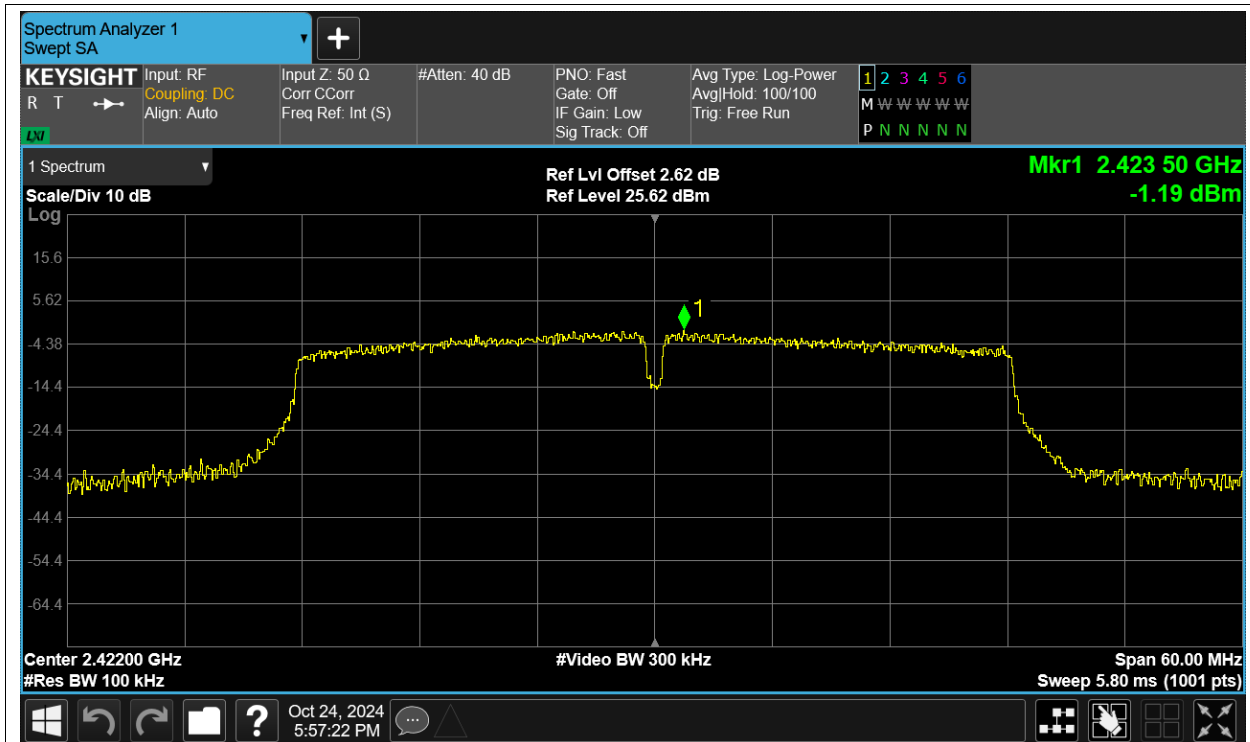
Band Edge NVNT n20 2462MHz Ant13 Ref



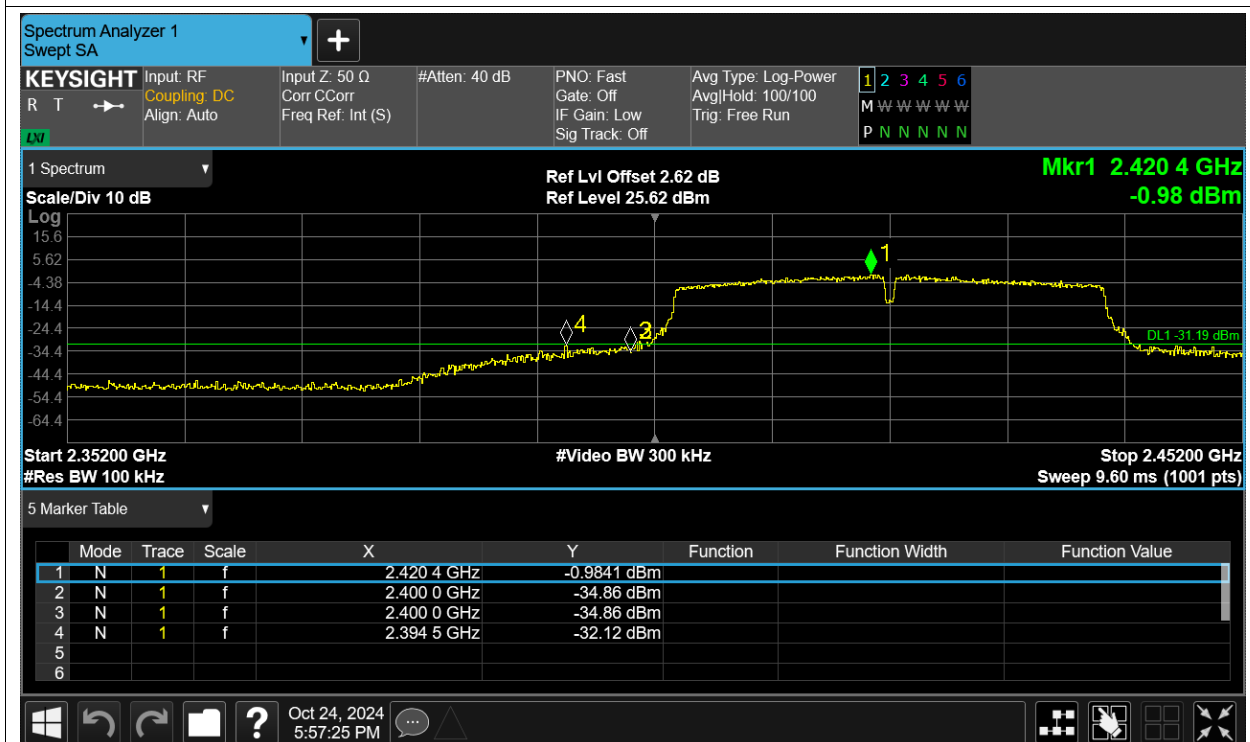
Band Edge NVNT n20 2462MHz Ant13 Emission



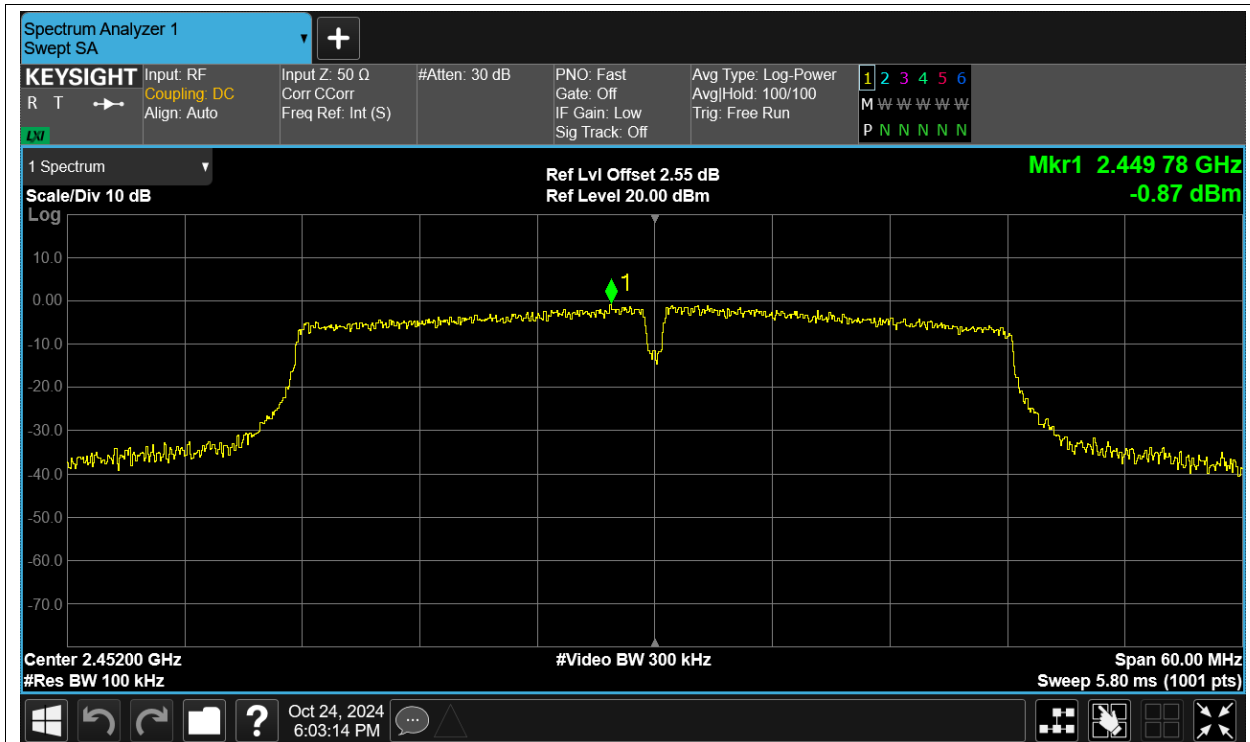
Band Edge NVNT n40 2422MHz Ant13 Ref



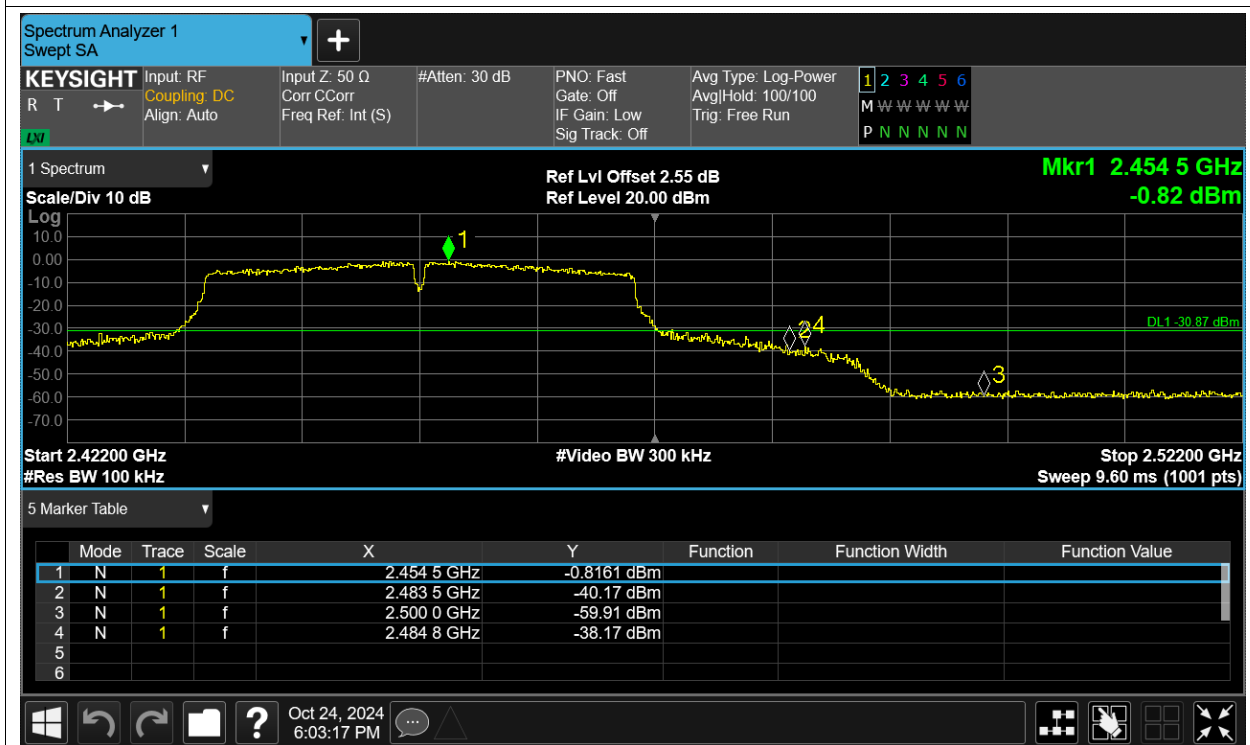
Band Edge NVNT n40 2422MHz Ant13 Emission



Band Edge NVNT n40 2452MHz Ant13 Ref



Band Edge NVNT n40 2452MHz Ant13 Emission

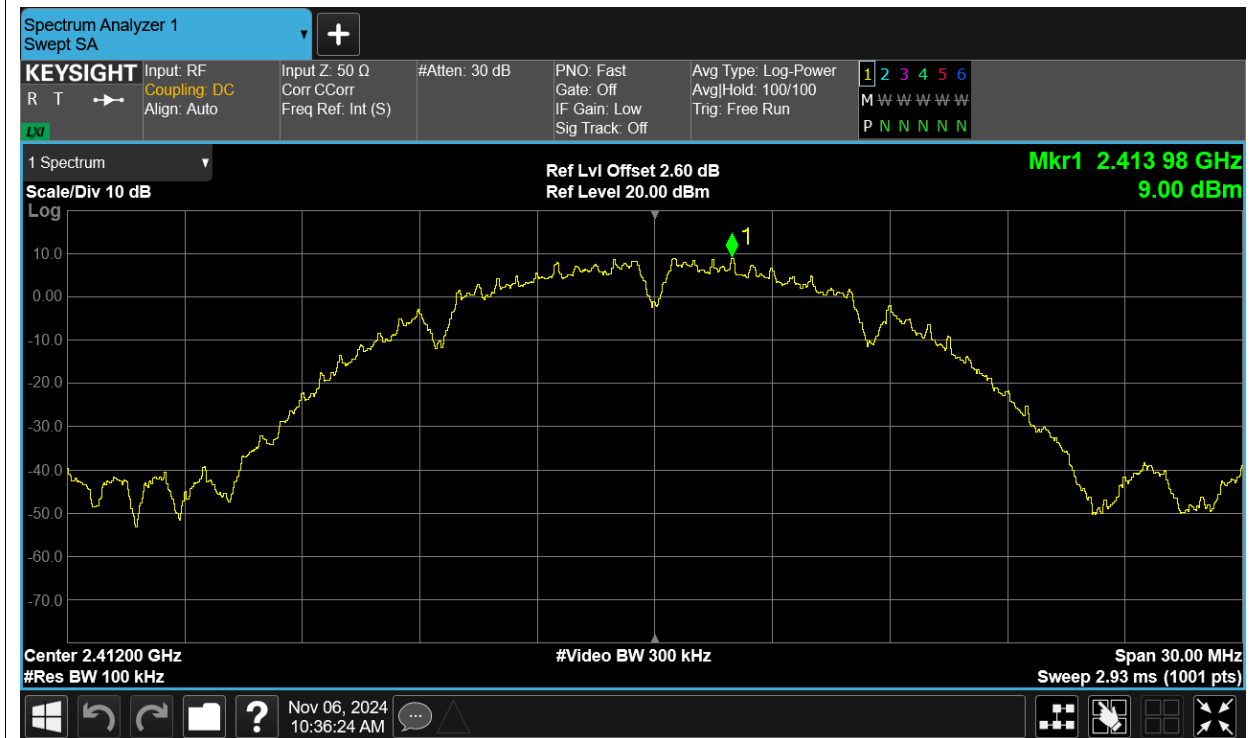


## Conducted RF Spurious Emission

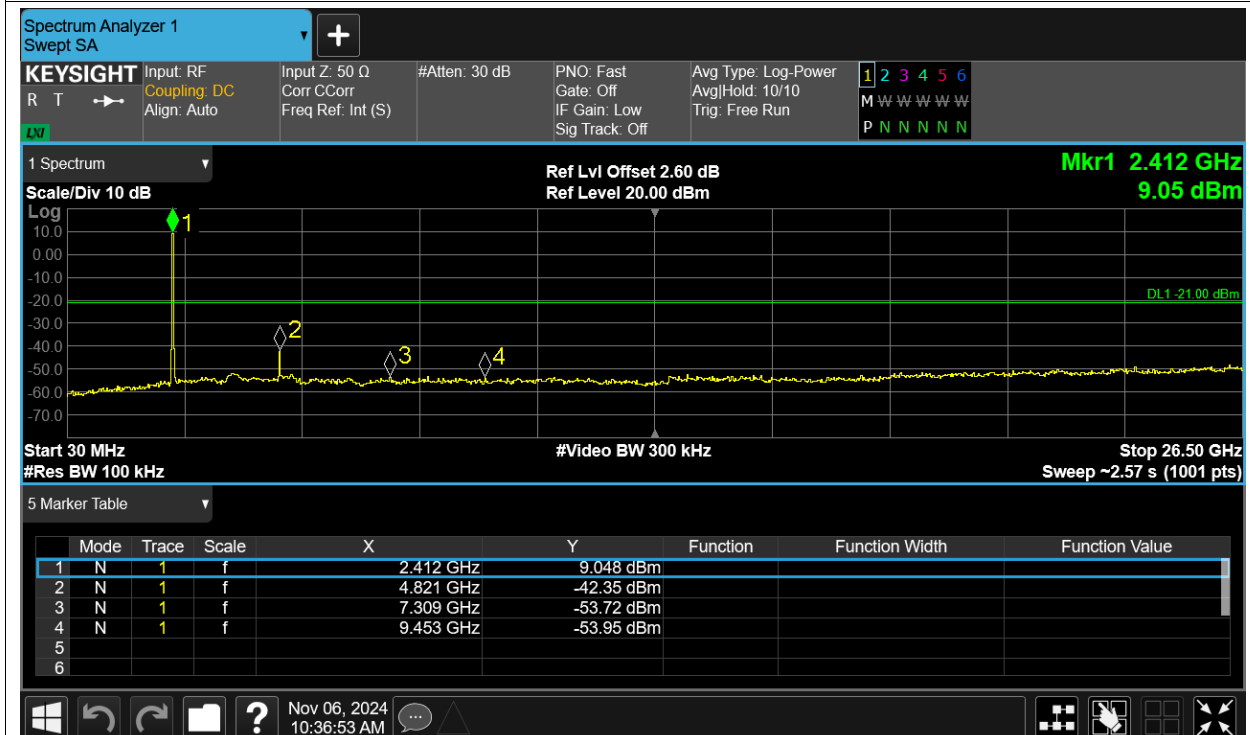
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b    | 2412            | Ant13   | -51.35          | -30         | Pass    |
| NVNT      | b    | 2437            | Ant13   | -48.37          | -30         | Pass    |
| NVNT      | b    | 2462            | Ant13   | -53.54          | -30         | Pass    |
| NVNT      | g    | 2412            | Ant13   | -51.8           | -30         | Pass    |
| NVNT      | g    | 2437            | Ant13   | -52.29          | -30         | Pass    |
| NVNT      | g    | 2462            | Ant13   | -51.49          | -30         | Pass    |
| NVNT      | n20  | 2412            | Ant13   | -50.95          | -30         | Pass    |
| NVNT      | n20  | 2437            | Ant13   | -52.28          | -30         | Pass    |
| NVNT      | n20  | 2462            | Ant13   | -50.88          | -30         | Pass    |
| NVNT      | n40  | 2422            | Ant13   | -47.23          | -30         | Pass    |
| NVNT      | n40  | 2437            | Ant13   | -46.94          | -30         | Pass    |
| NVNT      | n40  | 2452            | Ant13   | -46.15          | -30         | Pass    |

## Test Graphs

### Tx. Spurious NVNT b 2412MHz Ant13 Ref

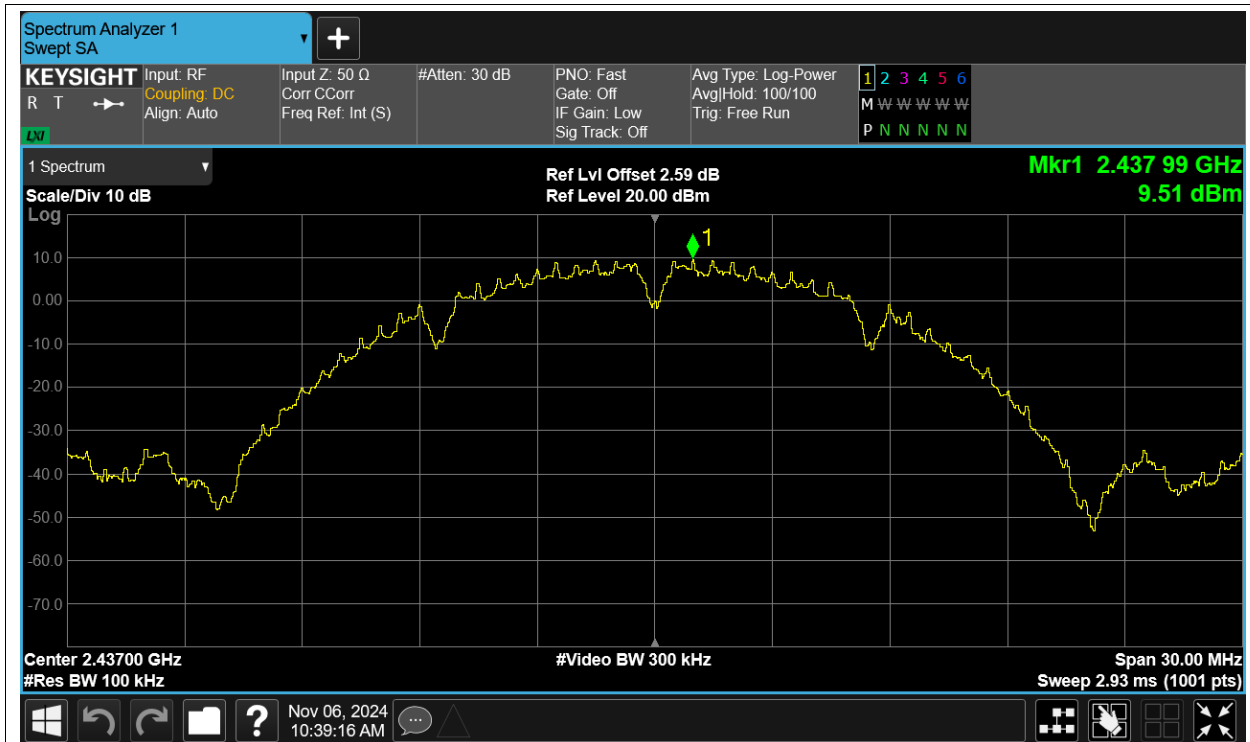


### Tx. Spurious NVNT b 2412MHz Ant13 Emission

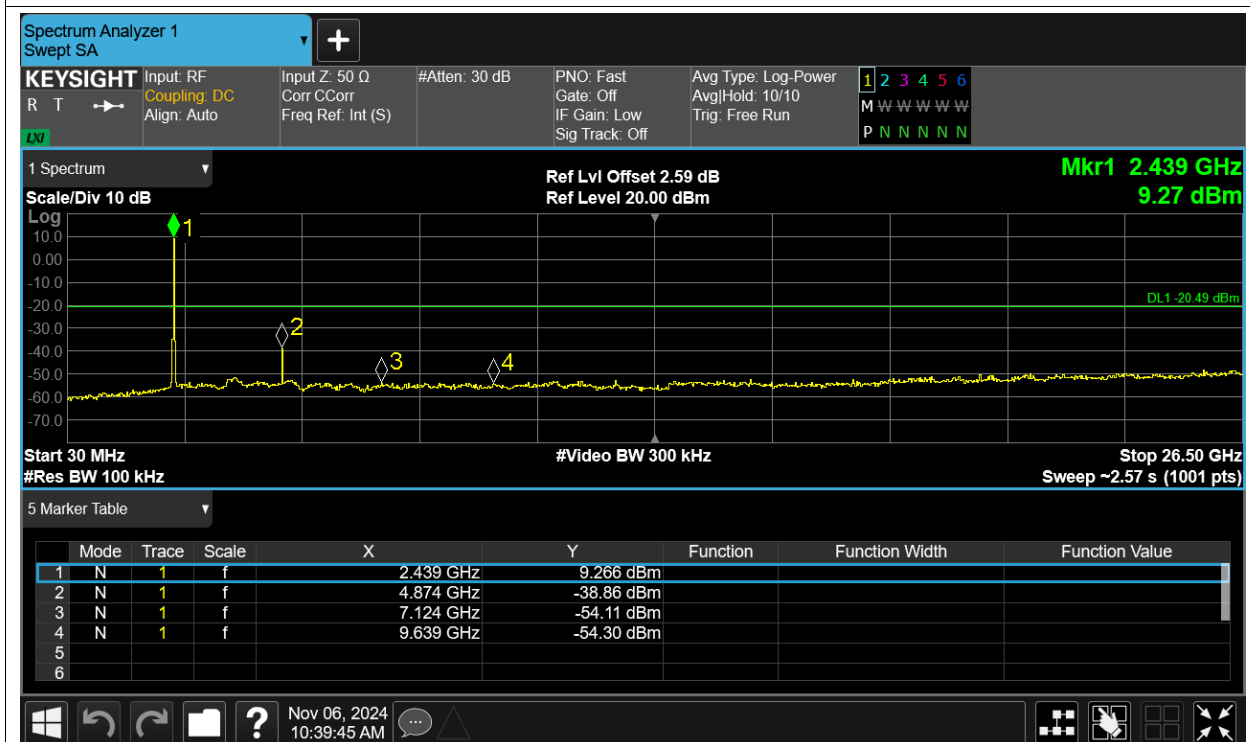


### Tx. Spurious NVNT b 2437MHz Ant13 Ref

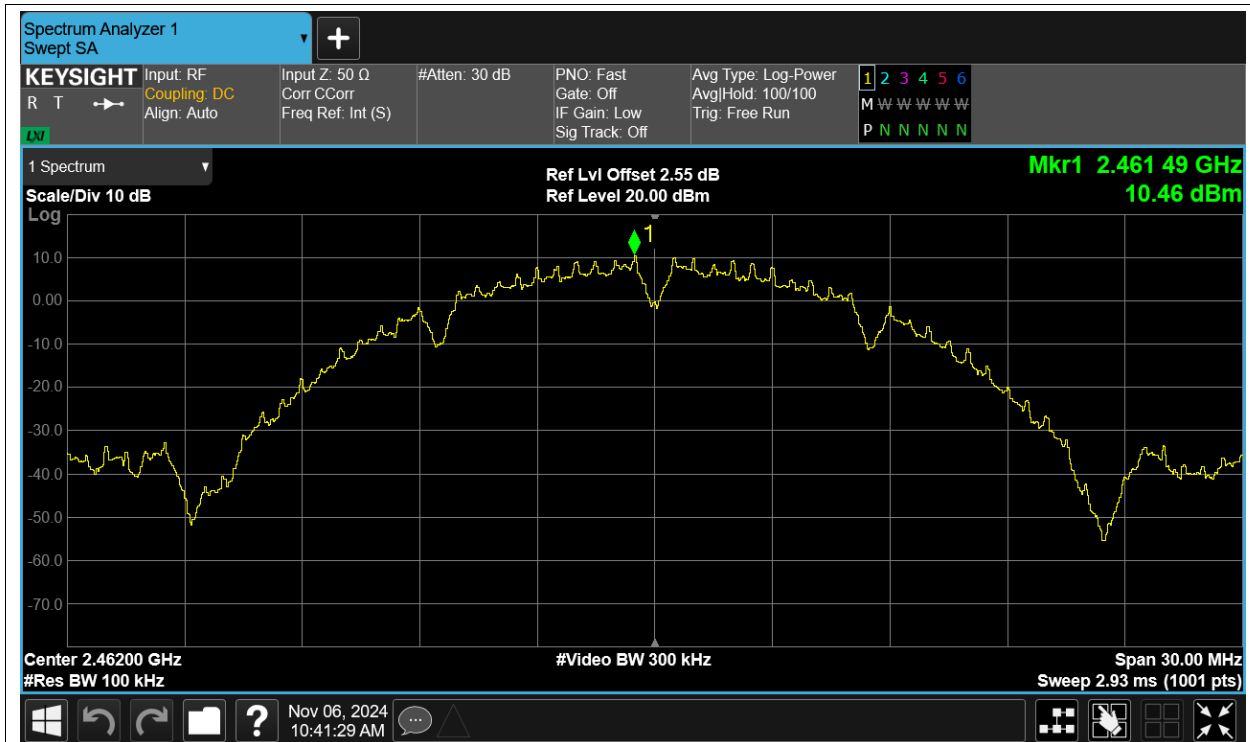




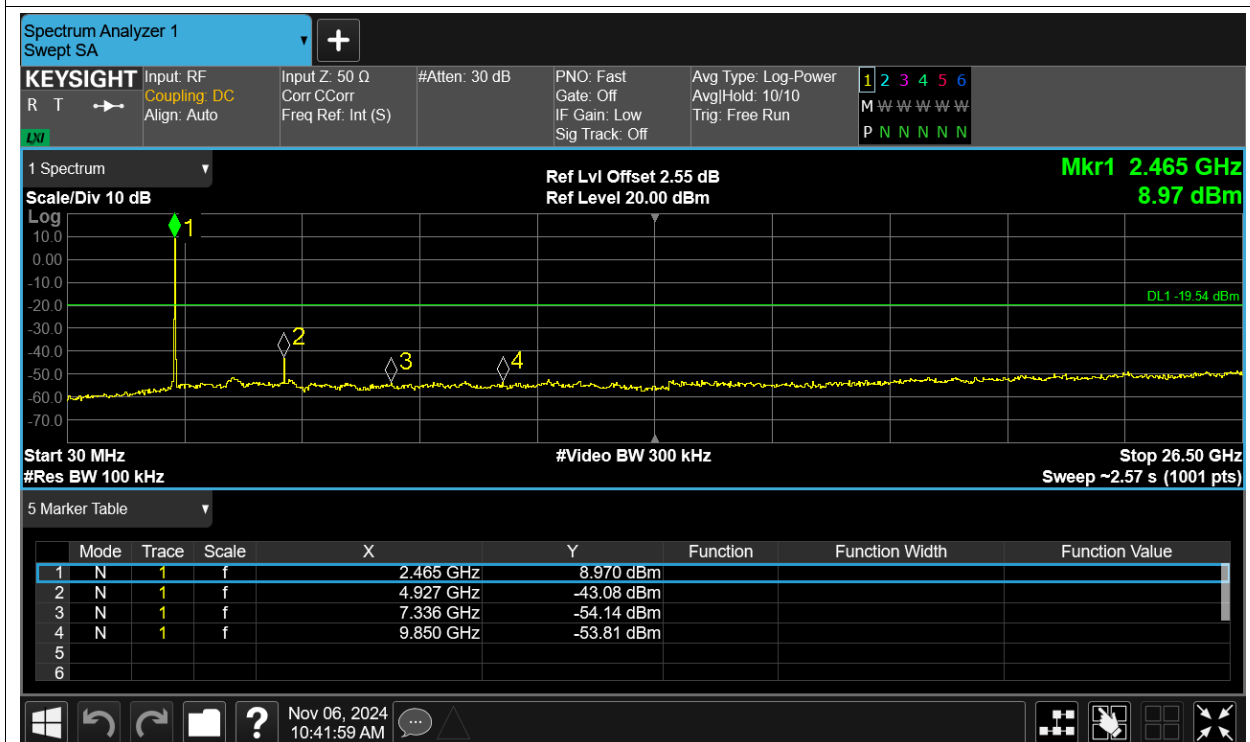
Tx. Spurious NVNT b 2437MHz Ant13 Emission



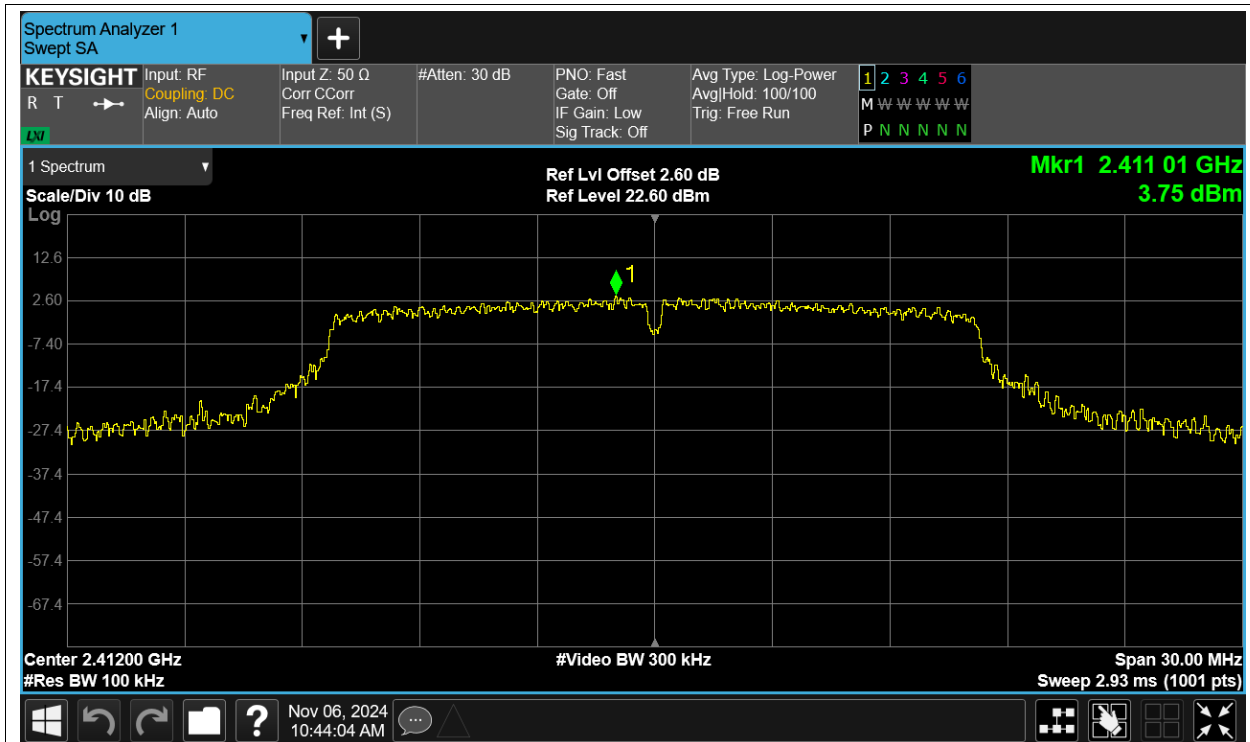
Tx. Spurious NVNT b 2462MHz Ant13 Ref



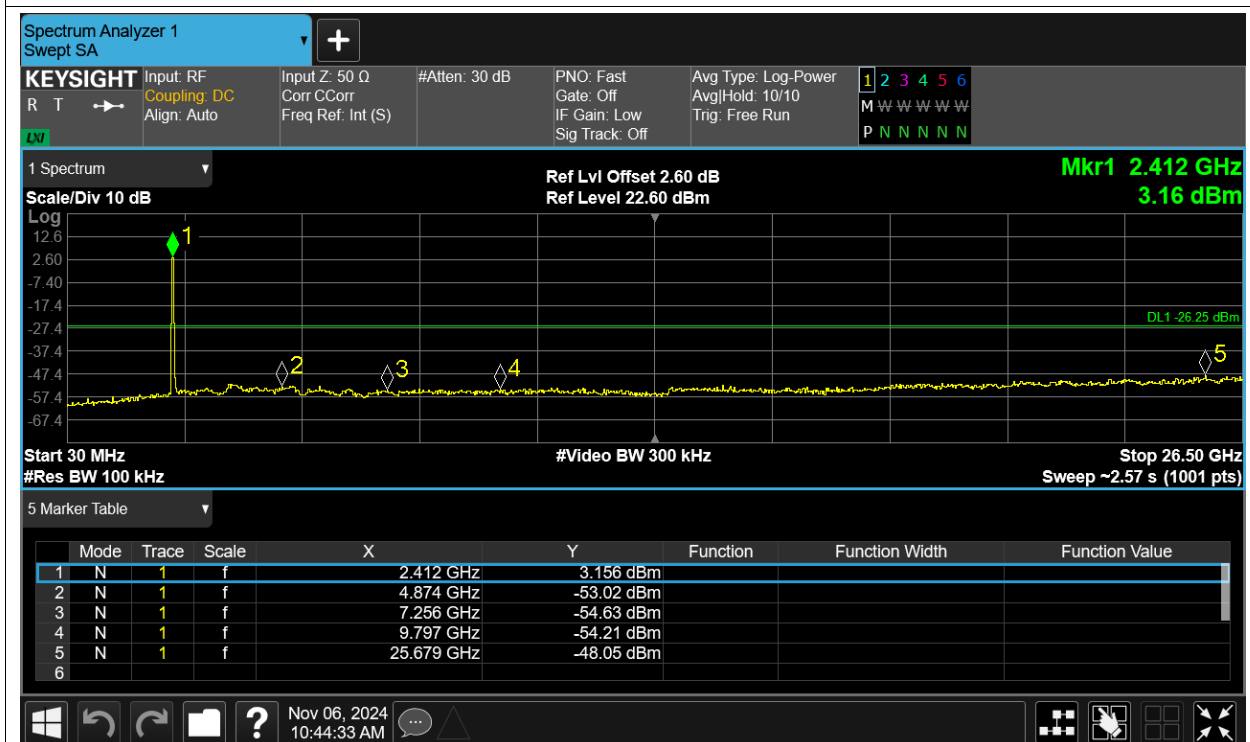
Tx. Spurious NVNT b 2462MHz Ant13 Emission



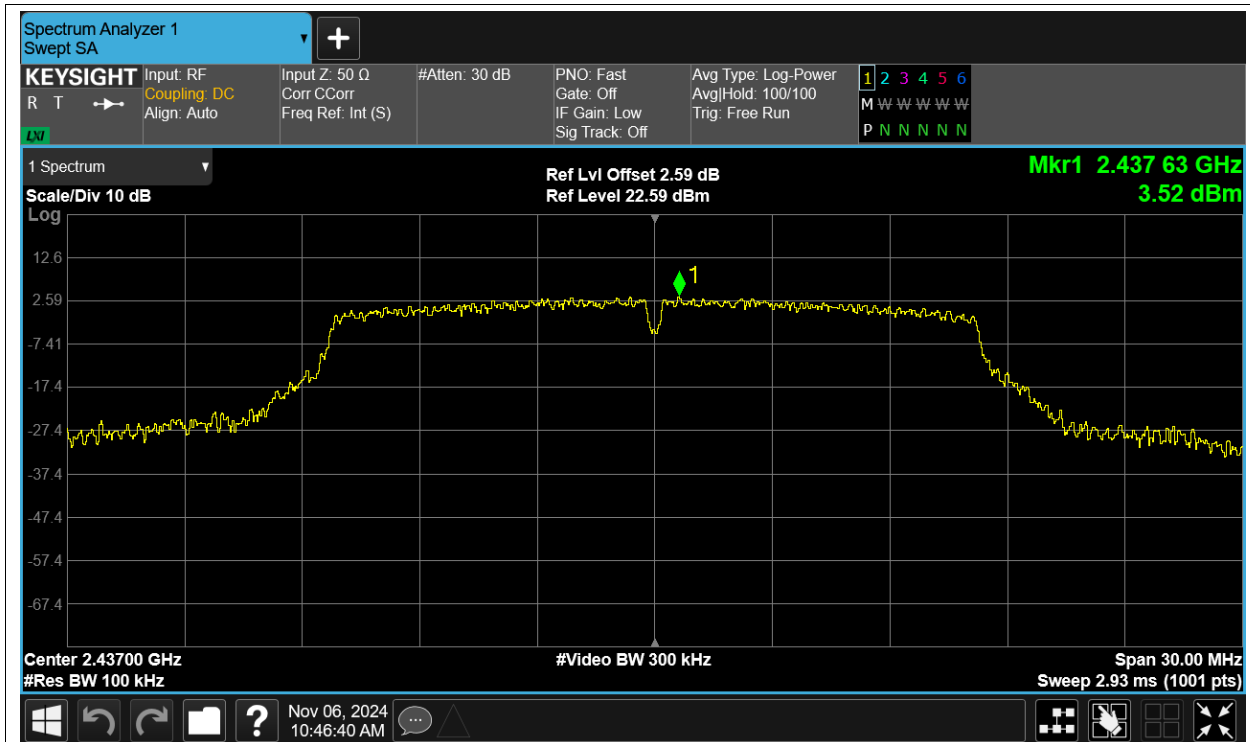
Tx. Spurious NVNT g 2412MHz Ant13 Ref



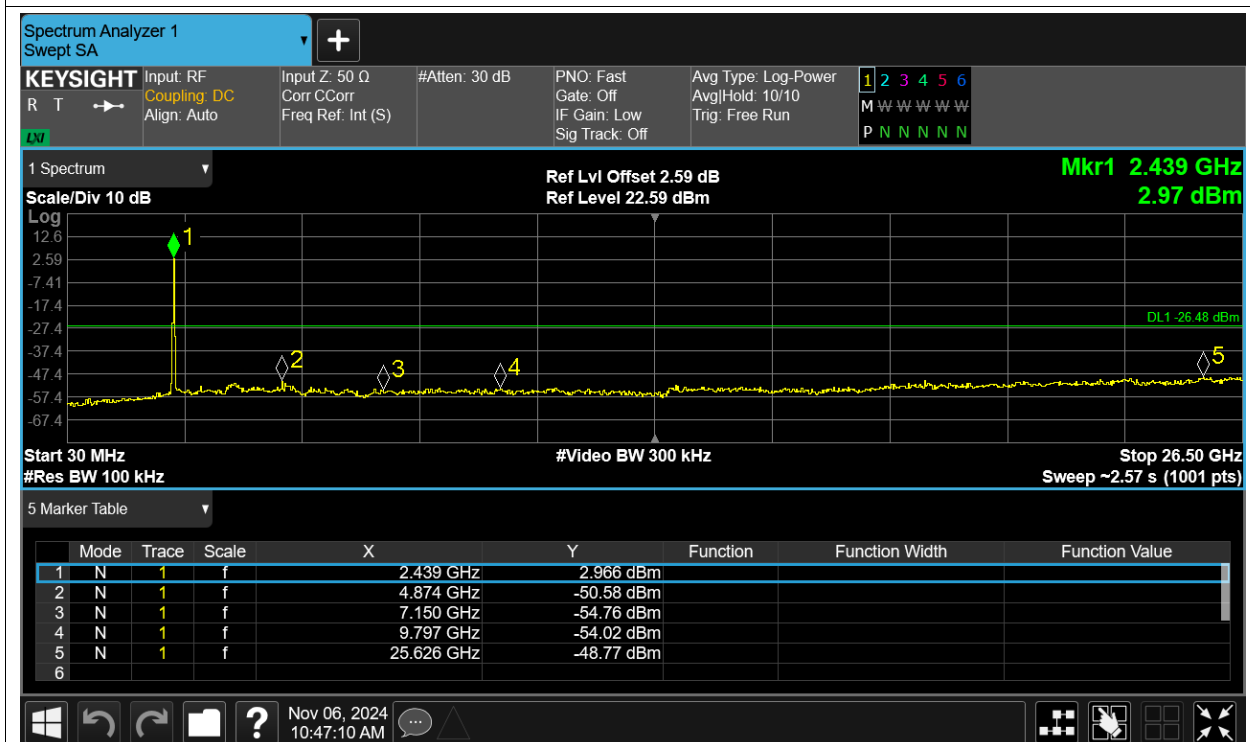
Tx. Spurious NVNT g 2412MHz Ant13 Emission



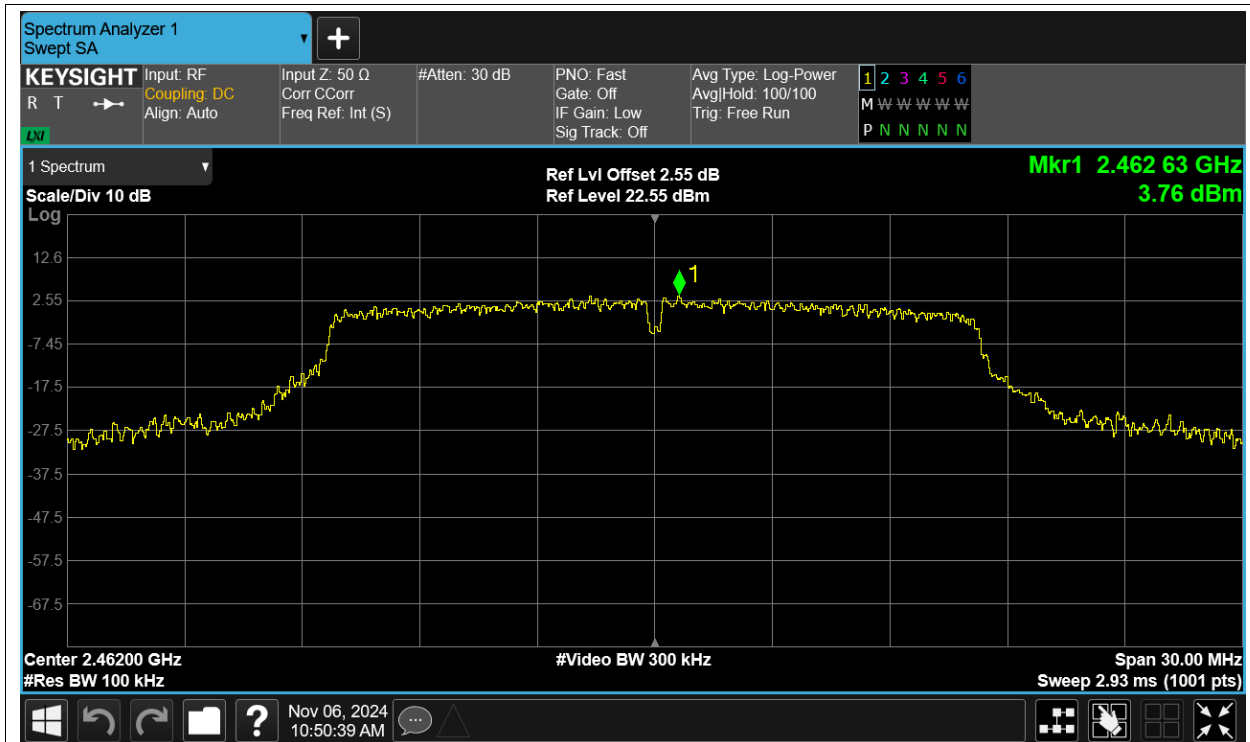
Tx. Spurious NVNT g 2437MHz Ant13 Ref



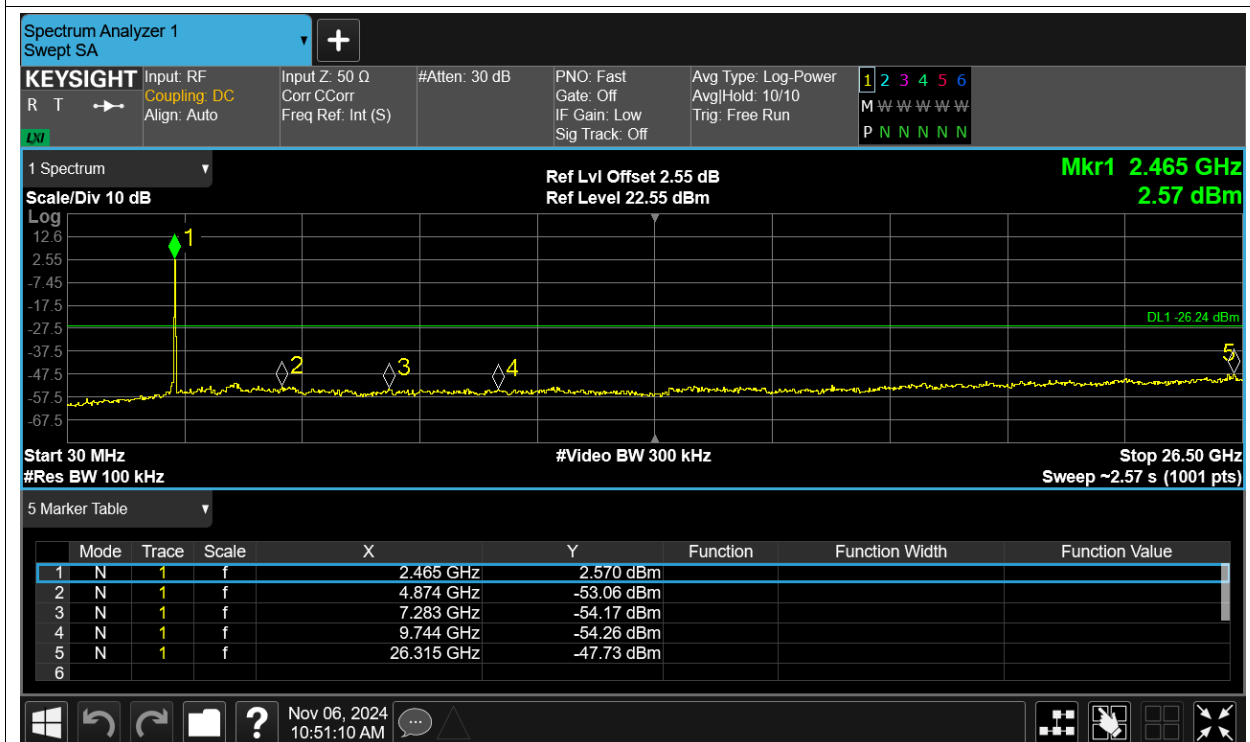
Tx. Spurious NVNT g 2437MHz Ant13 Emission



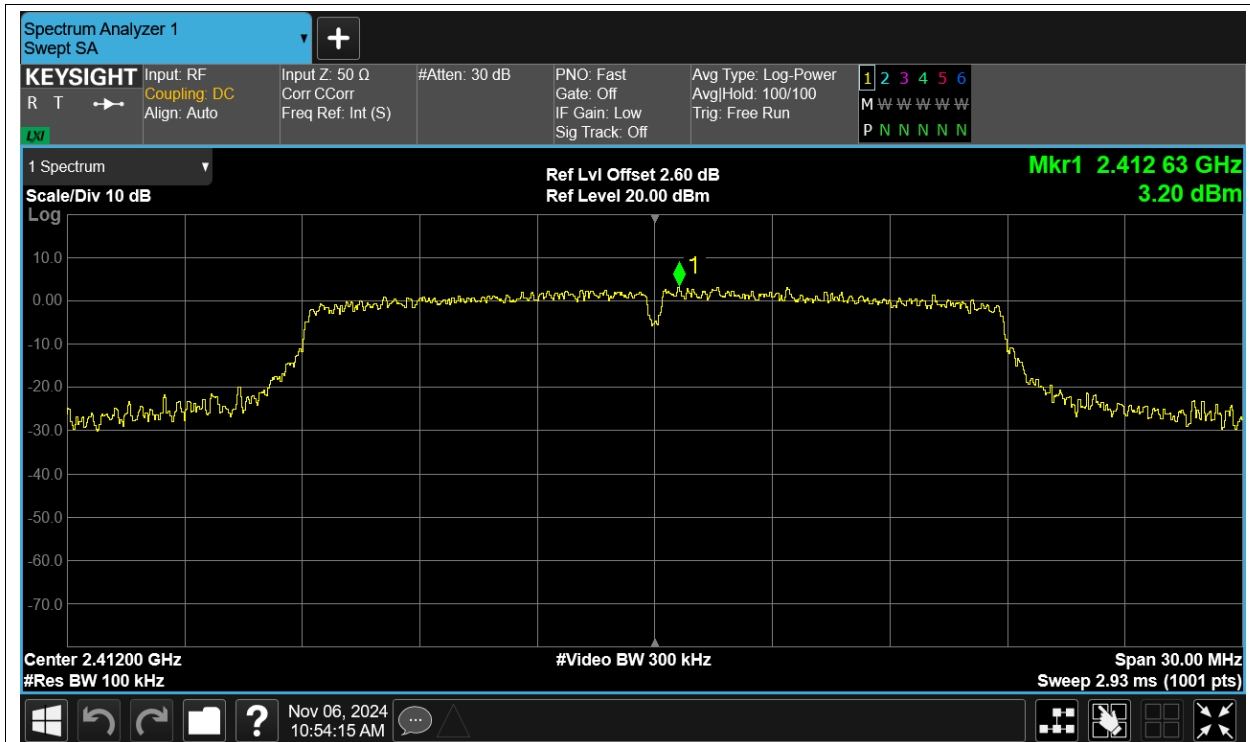
Tx. Spurious NVNT g 2462MHz Ant13 Ref



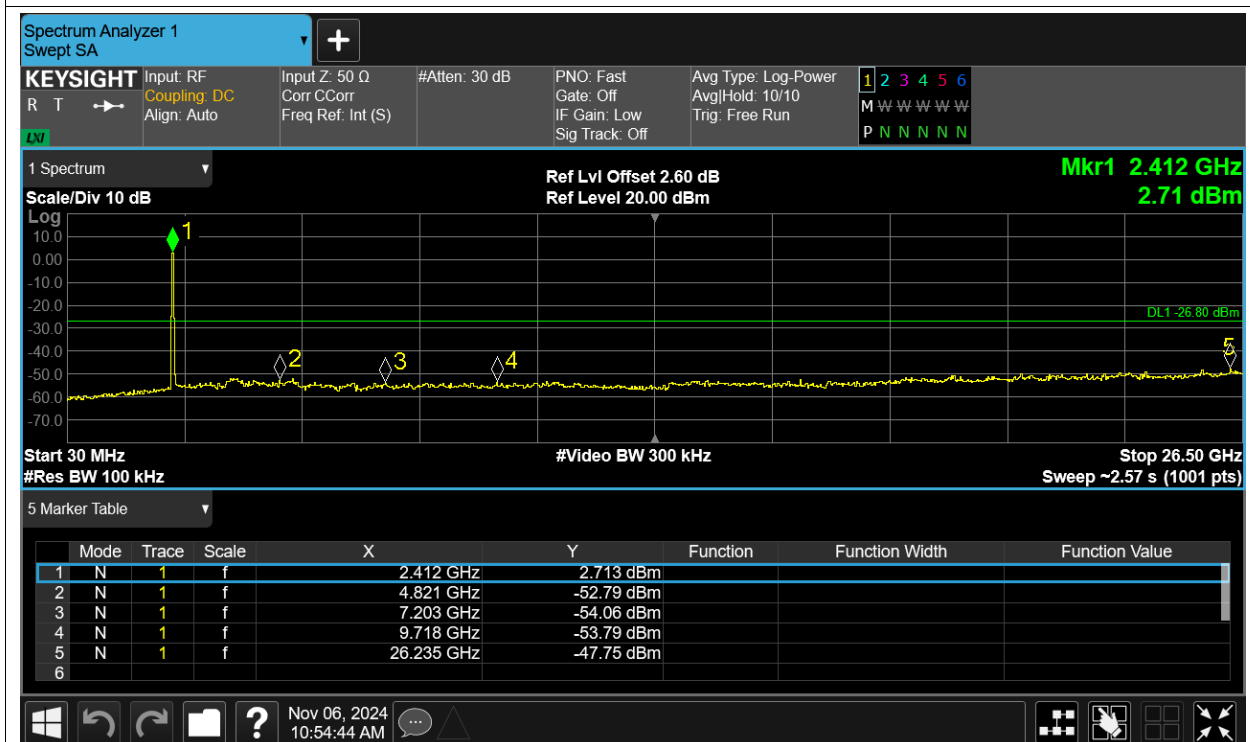
Tx. Spurious NVNT g 2462MHz Ant13 Emission



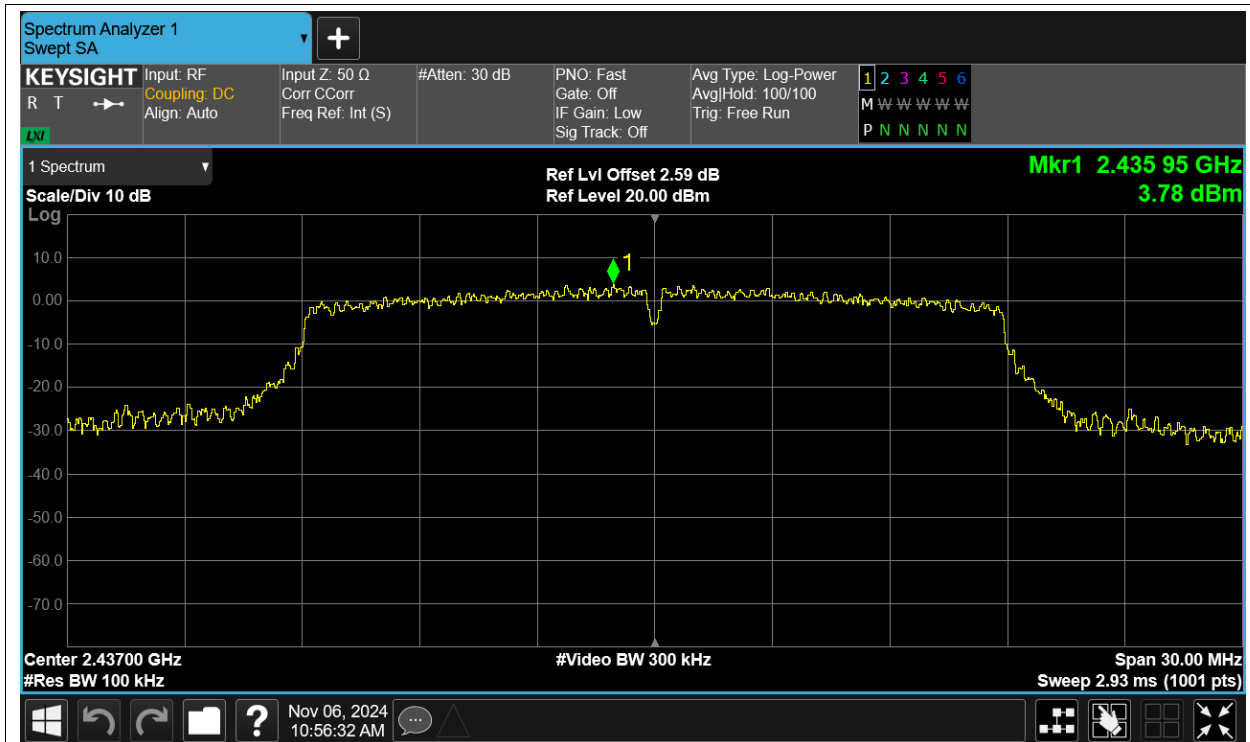
Tx. Spurious NVNT n20 2412MHz Ant13 Ref



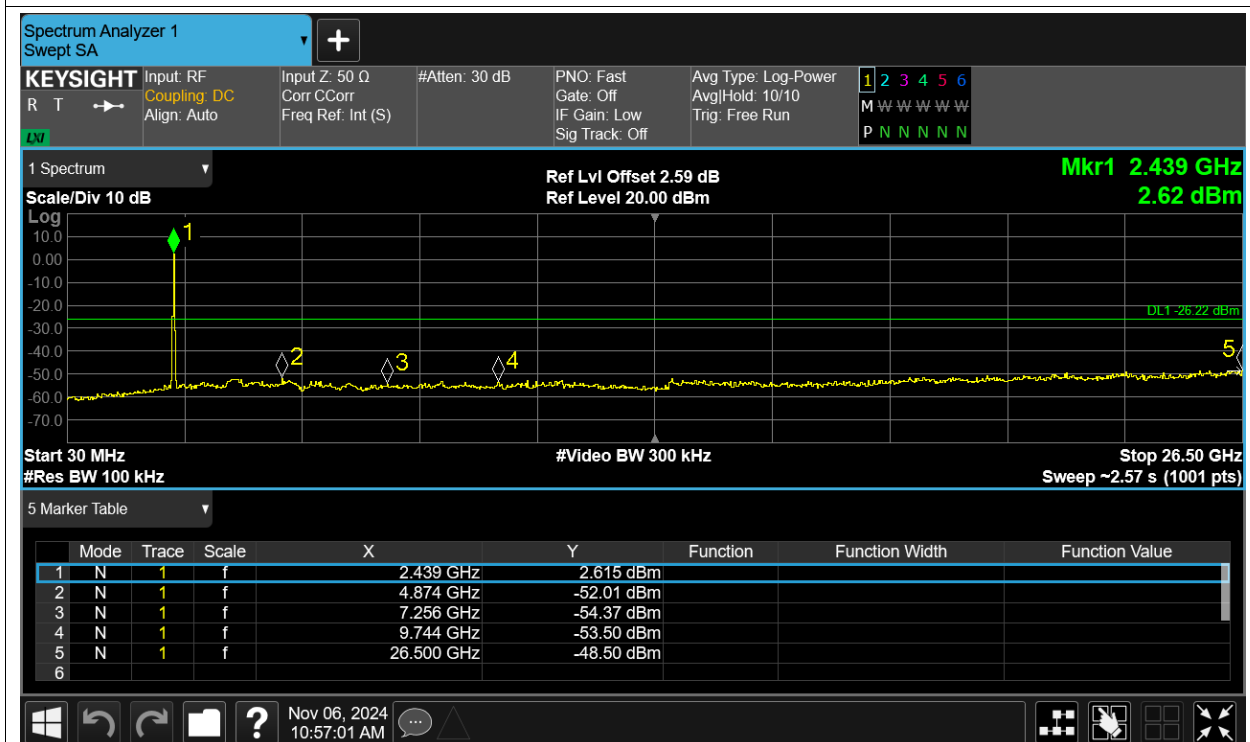
Tx. Spurious NVNT n20 2412MHz Ant13 Emission



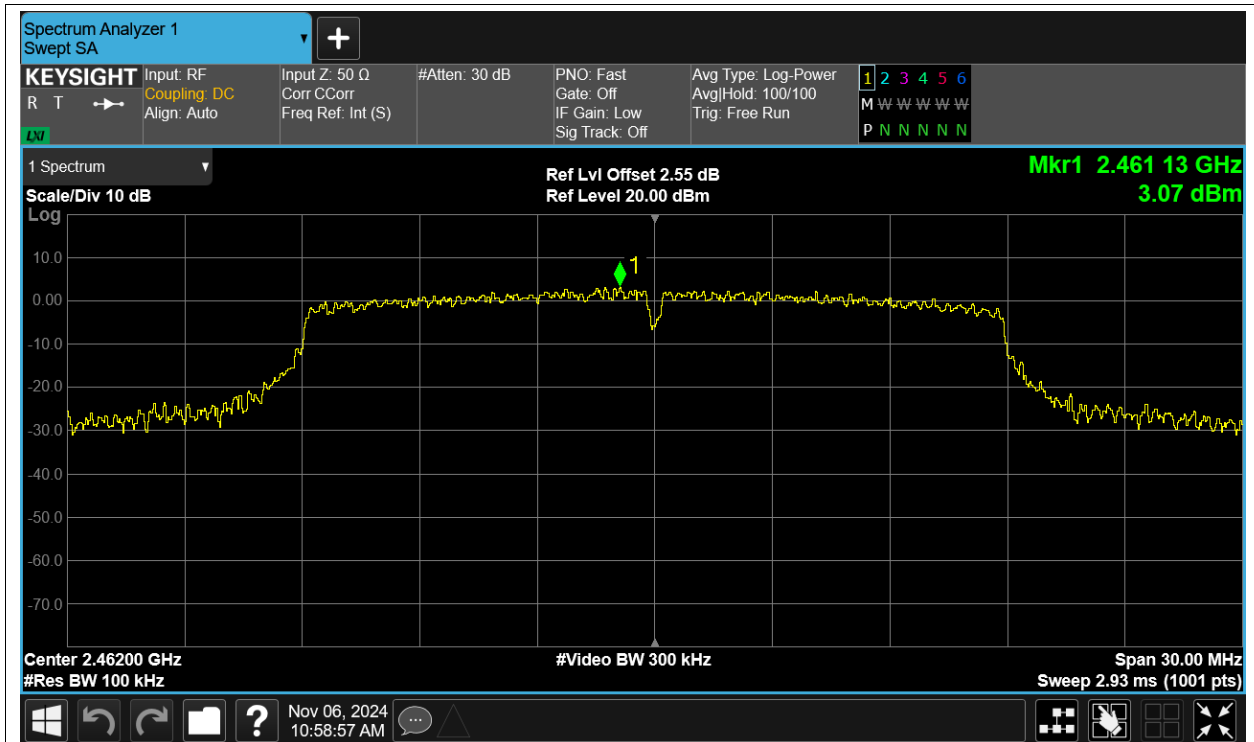
Tx. Spurious NVNT n20 2437MHz Ant13 Ref



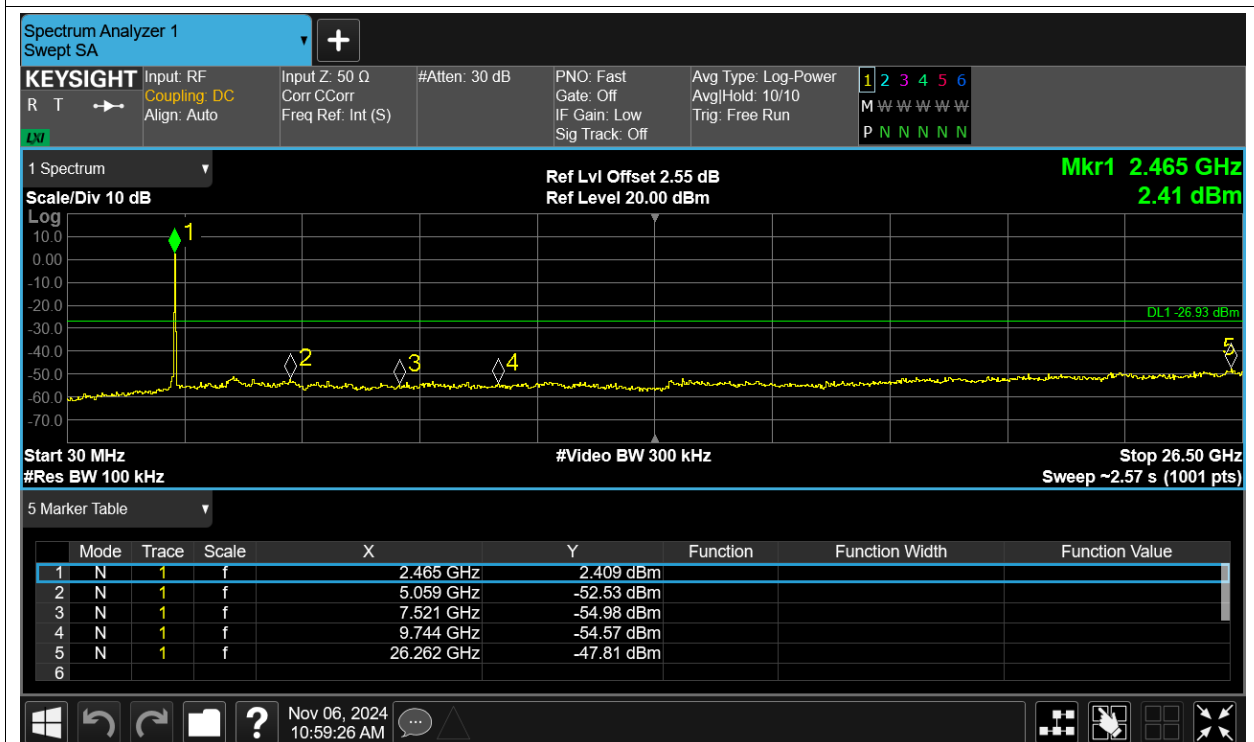
Tx. Spurious NVNT n20 2437MHz Ant13 Emission



Tx. Spurious NVNT n20 2462MHz Ant13 Ref

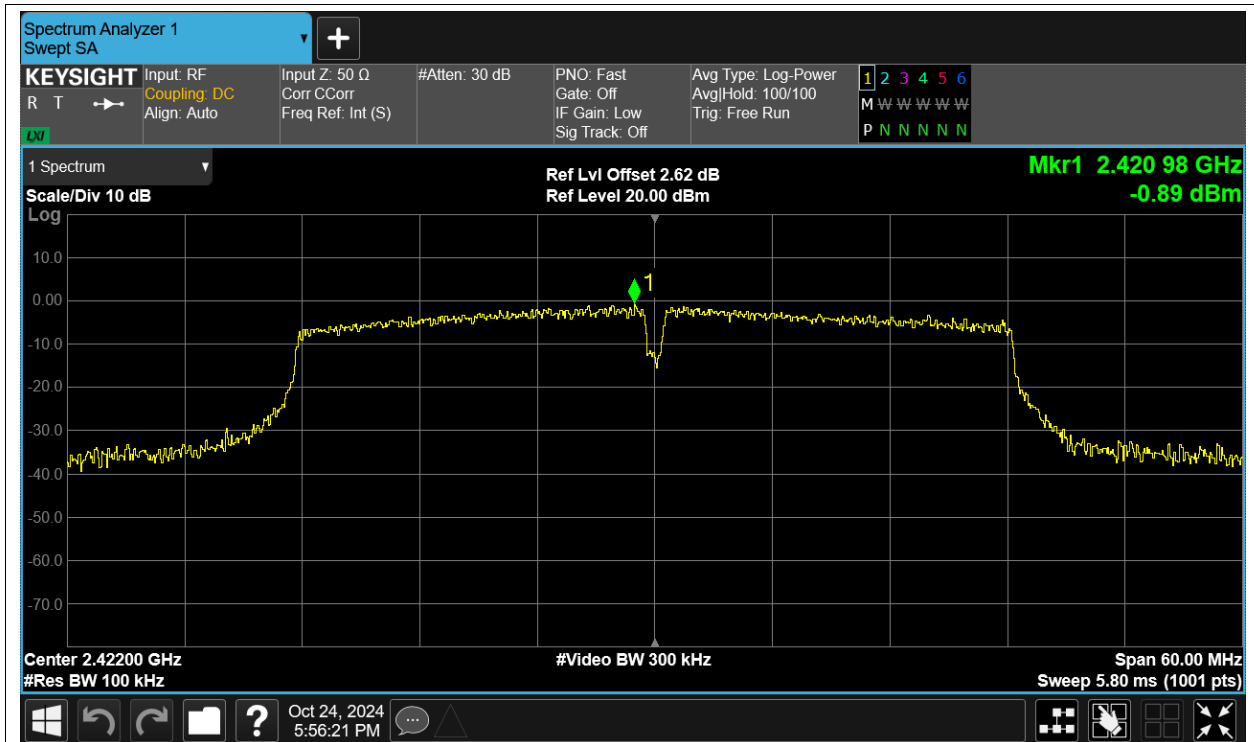


Tx. Spurious NVNT n20 2462MHz Ant13 Emission

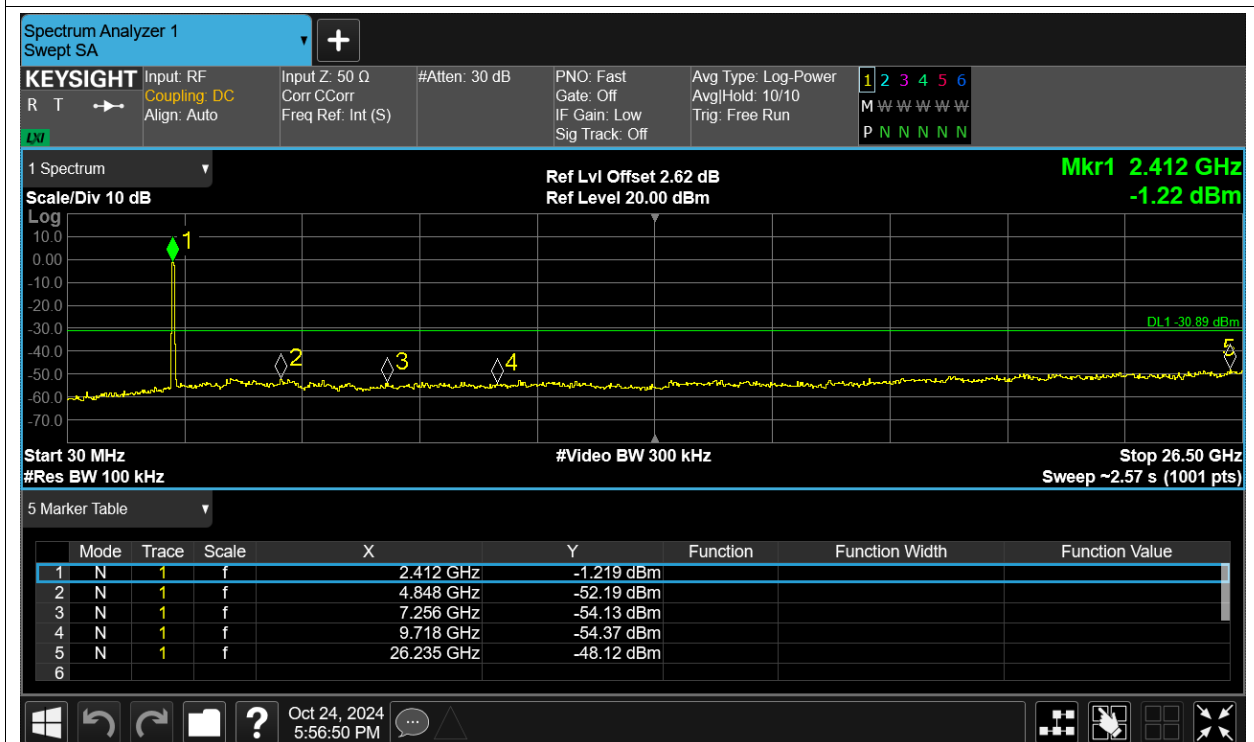


Tx. Spurious NVNT n40 2422MHz Ant13 Ref

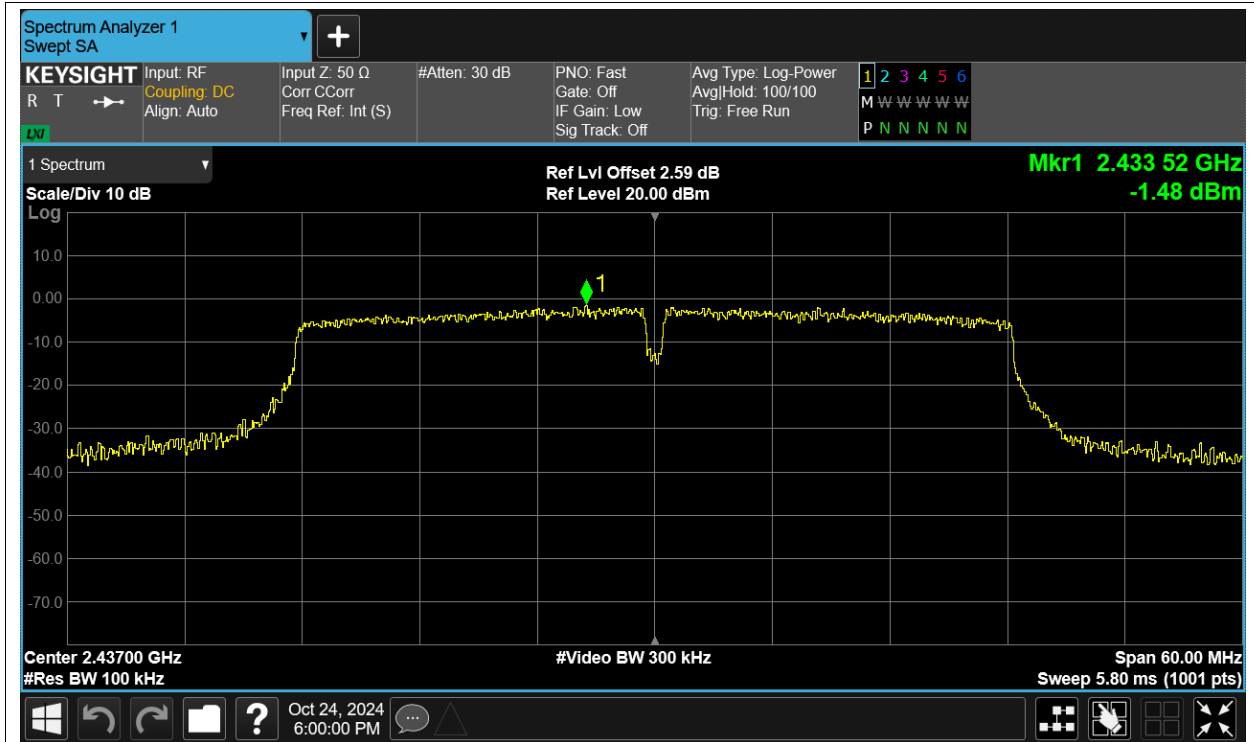




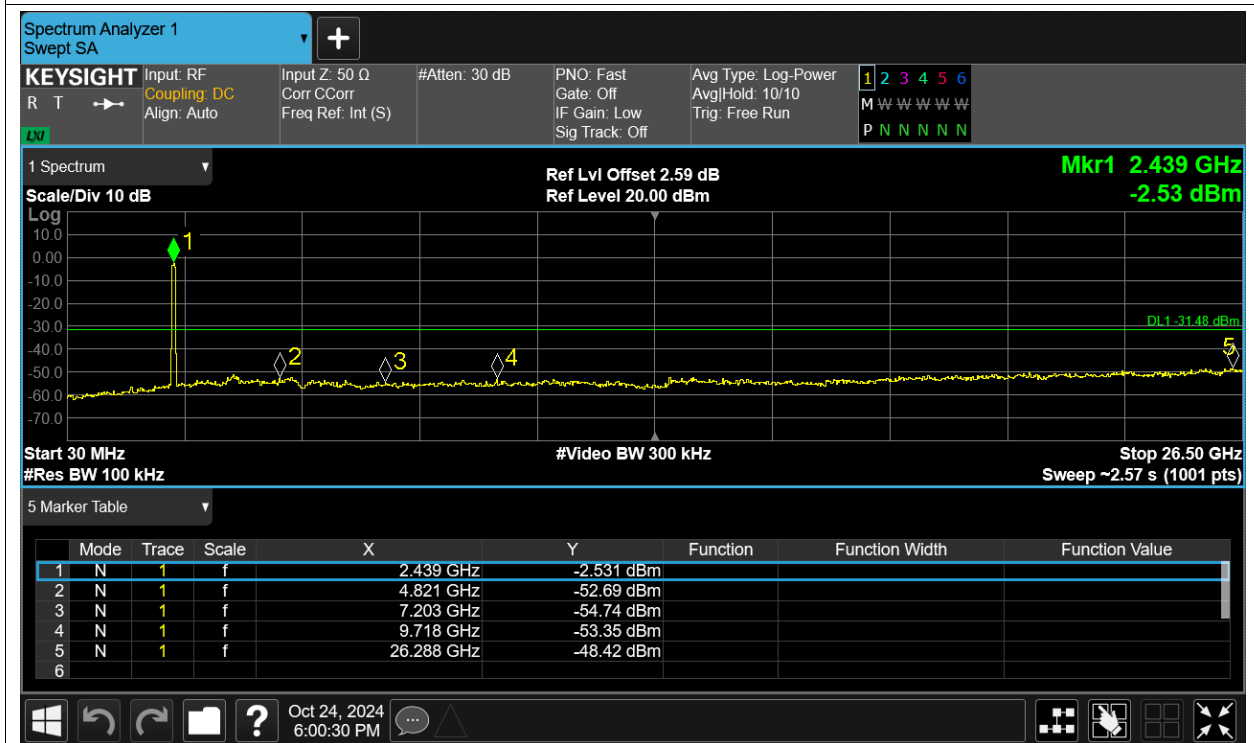
Tx. Spurious NVNT n40 2422MHz Ant13 Emission



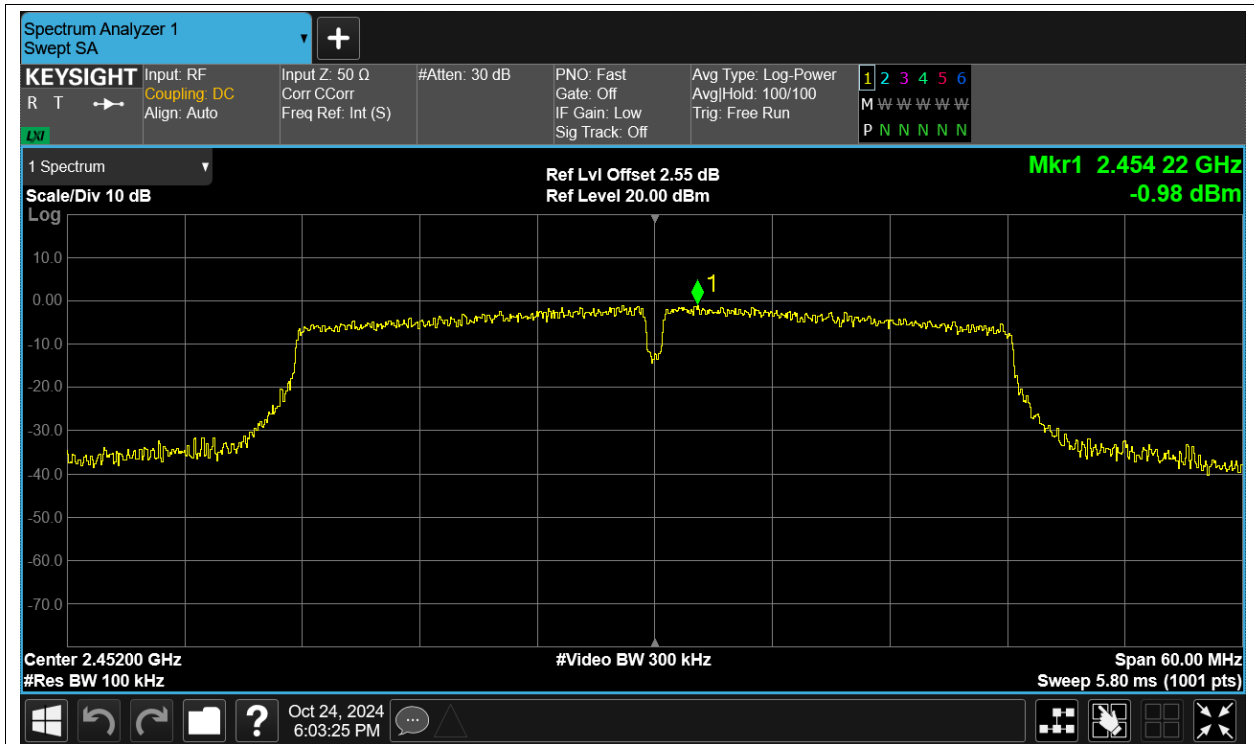
Tx. Spurious NVNT n40 2437MHz Ant13 Ref



Tx. Spurious NVNT n40 2437MHz Ant13 Emission



Tx. Spurious NVNT n40 2452MHz Ant13 Ref



Tx. Spurious NVNT n40 2452MHz Ant13 Emission

