

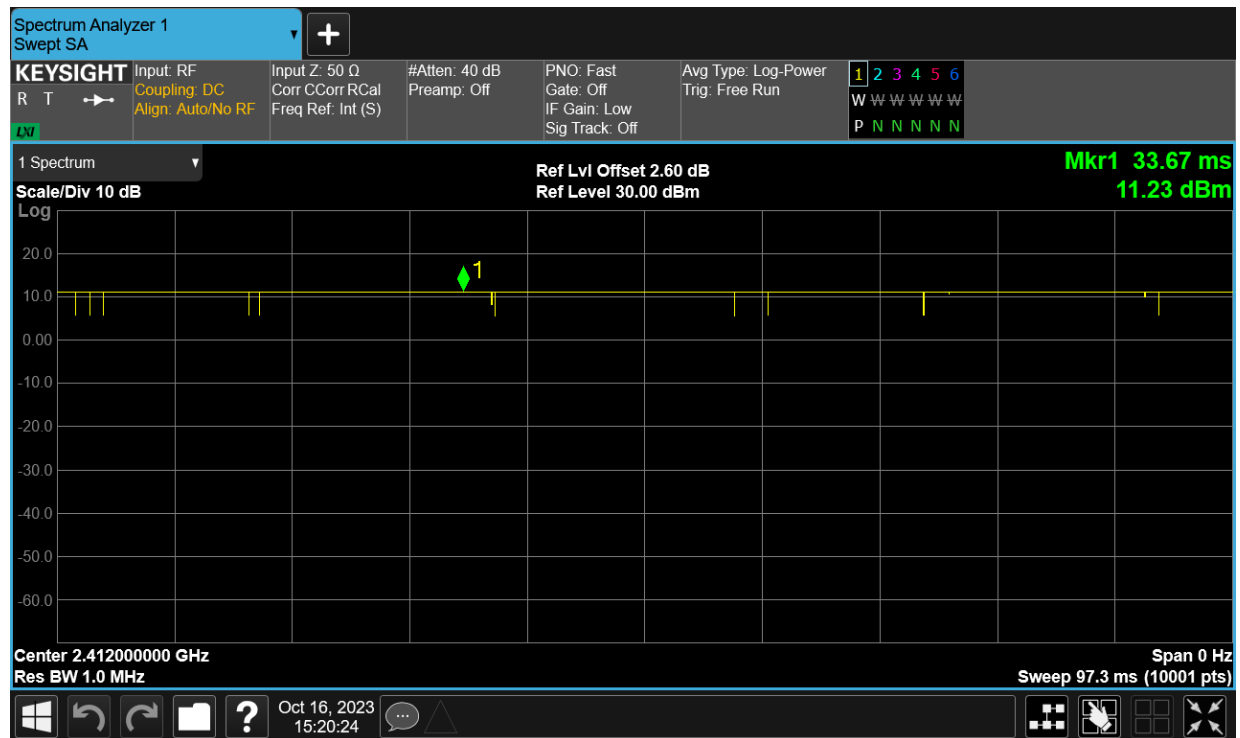
## Test Data

### Duty Cycle

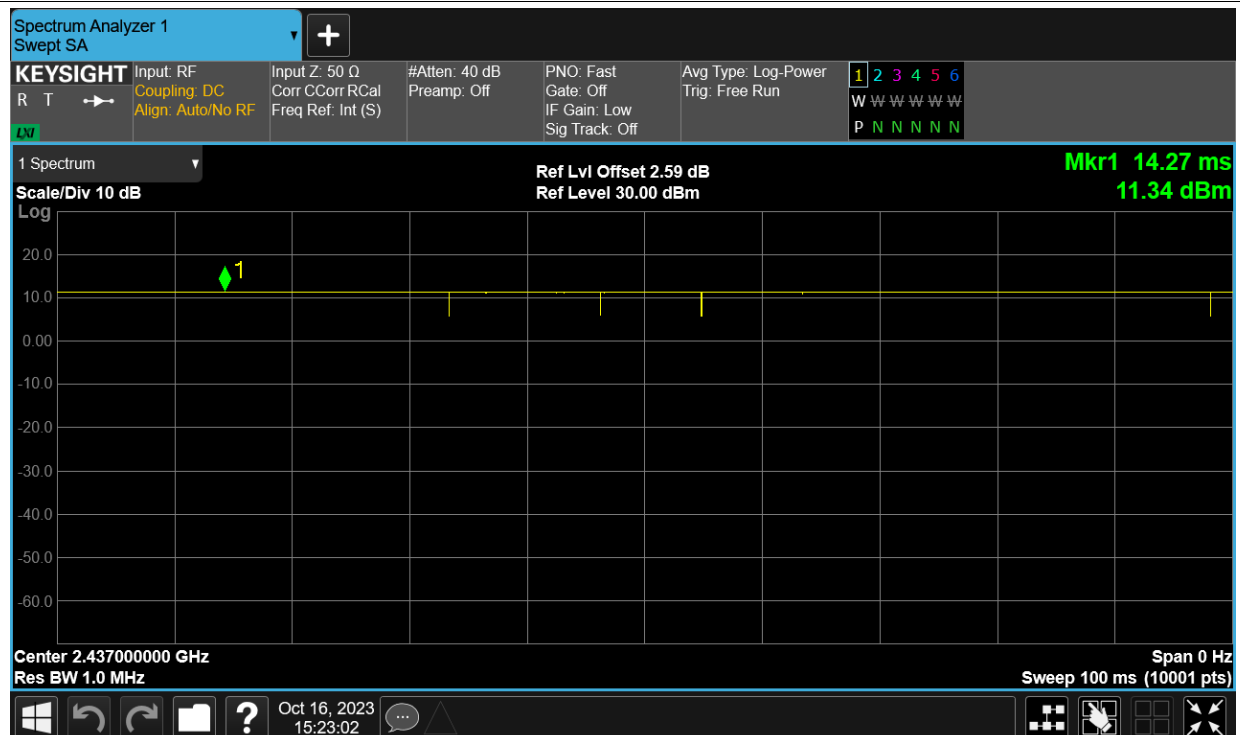
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) |
|-----------|------|-----------------|---------|----------------|------------------------|
| NVNT      | b    | 2412            | Ant14   | 100            | 0                      |
| NVNT      | b    | 2437            | Ant14   | 100            | 0                      |
| NVNT      | b    | 2462            | Ant14   | 100            | 0                      |
| NVNT      | g    | 2412            | Ant14   | 100            | 0                      |
| NVNT      | g    | 2437            | Ant14   | 100            | 0                      |
| NVNT      | g    | 2462            | Ant14   | 100            | 0                      |
| NVNT      | n20  | 2412            | Ant14   | 100            | 0                      |
| NVNT      | n20  | 2437            | Ant14   | 100            | 0                      |
| NVNT      | n20  | 2462            | Ant14   | 100            | 0                      |
| NVNT      | n40  | 2422            | Ant14   | 100            | 0                      |
| NVNT      | n40  | 2437            | Ant14   | 100            | 0                      |
| NVNT      | n40  | 2452            | Ant14   | 100            | 0                      |

## Test Graphs

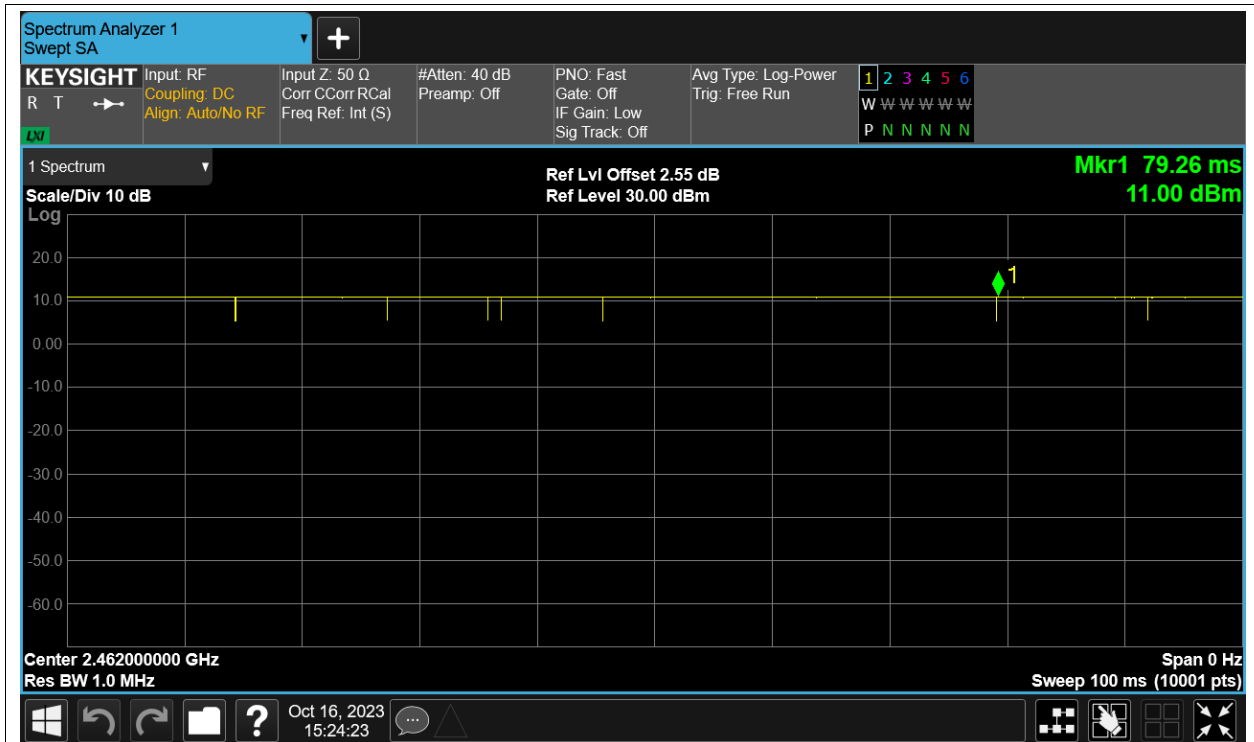
## Duty Cycle NVNT b 2412MHz Ant14



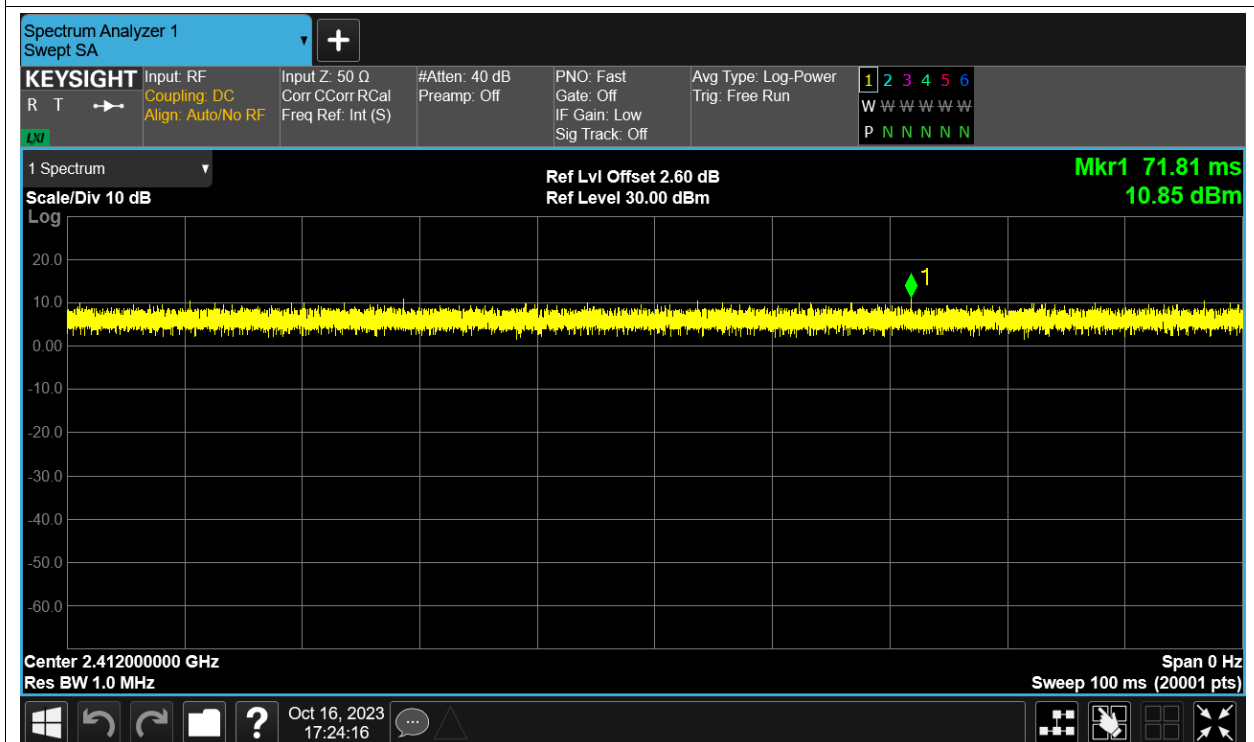
## Duty Cycle NVNT b 2437MHz Ant14



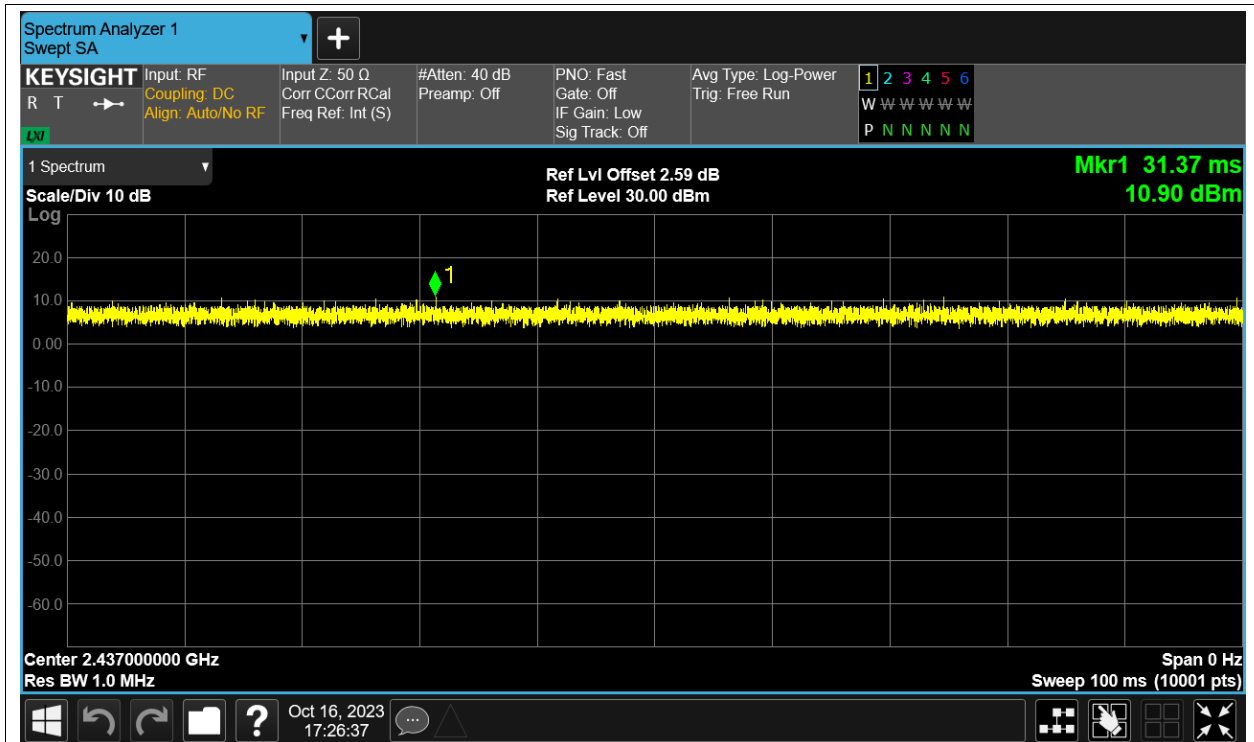
## Duty Cycle NVNT b 2462MHz Ant14



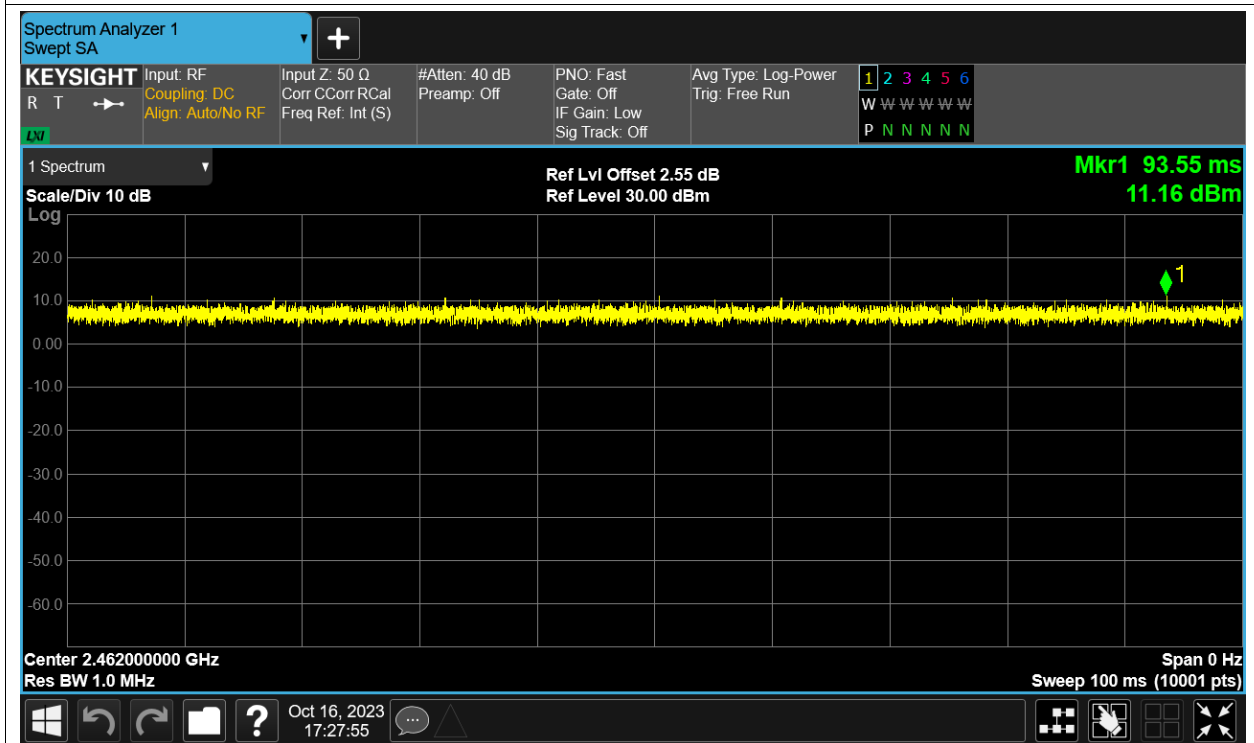
Duty Cycle NVNT g 2412MHz Ant14



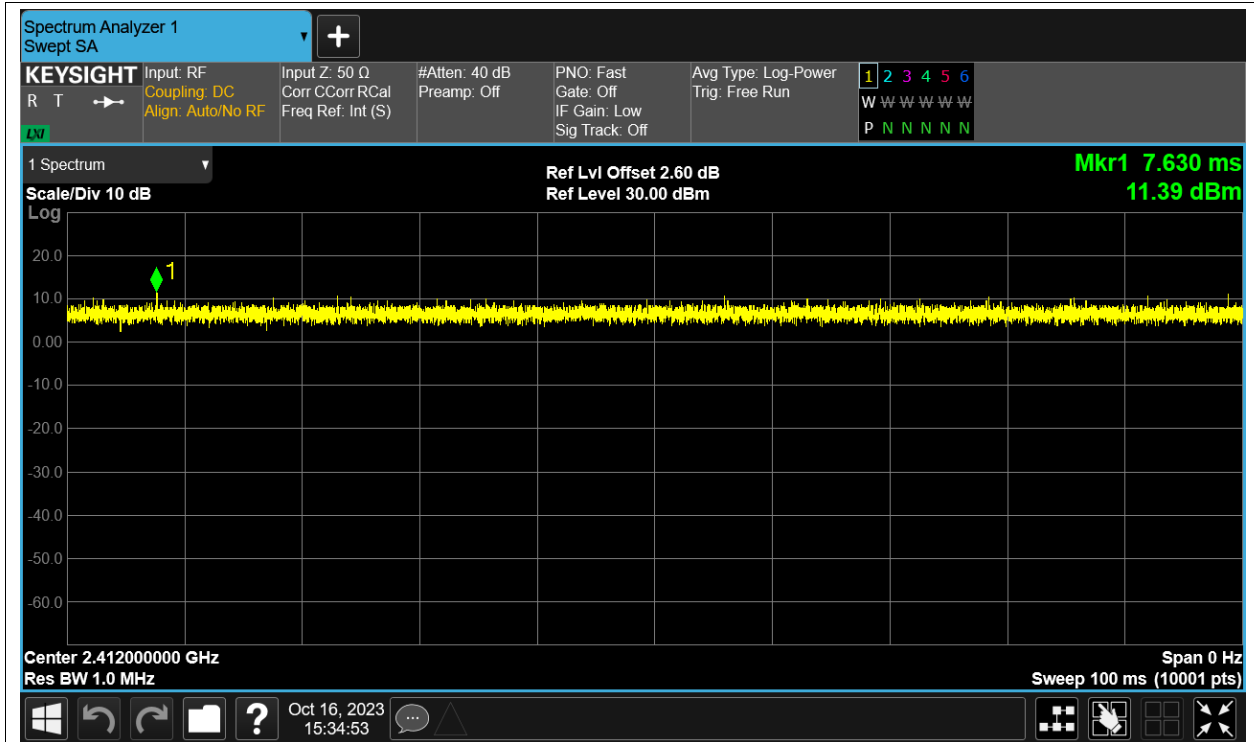
Duty Cycle NVNT g 2437MHz Ant14



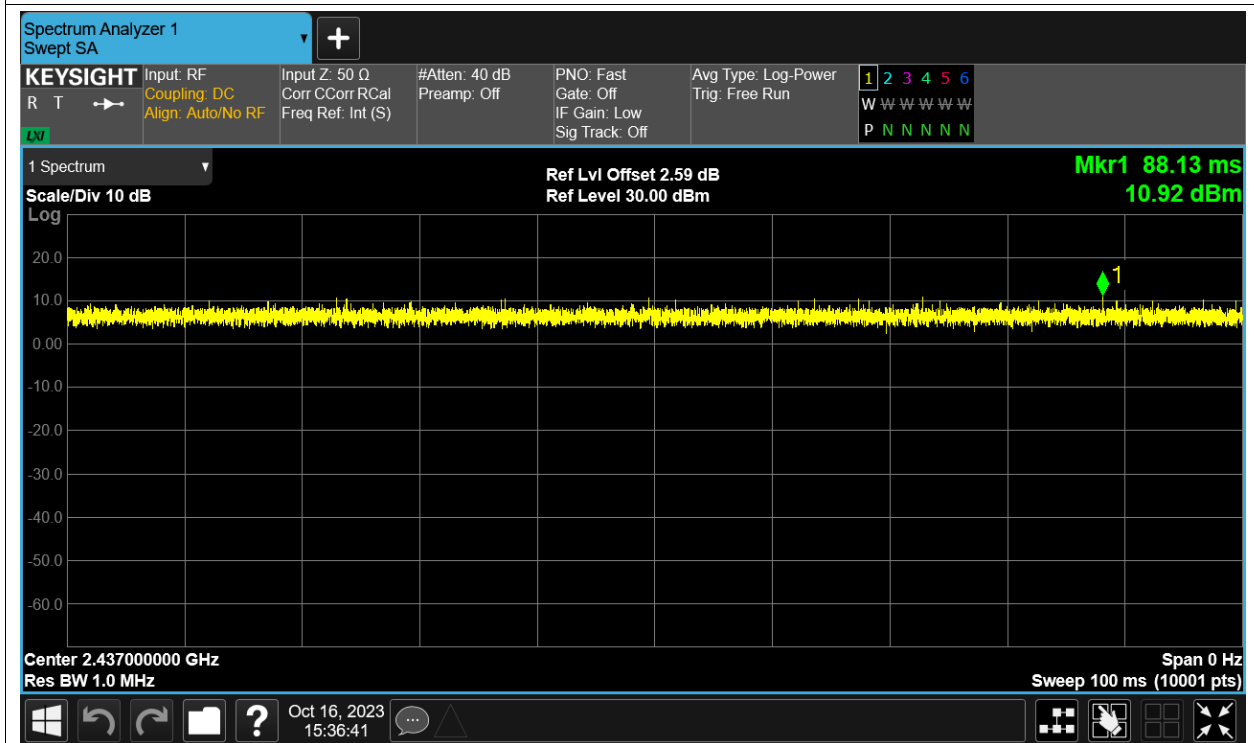
Duty Cycle NVNT g 2462MHz Ant14



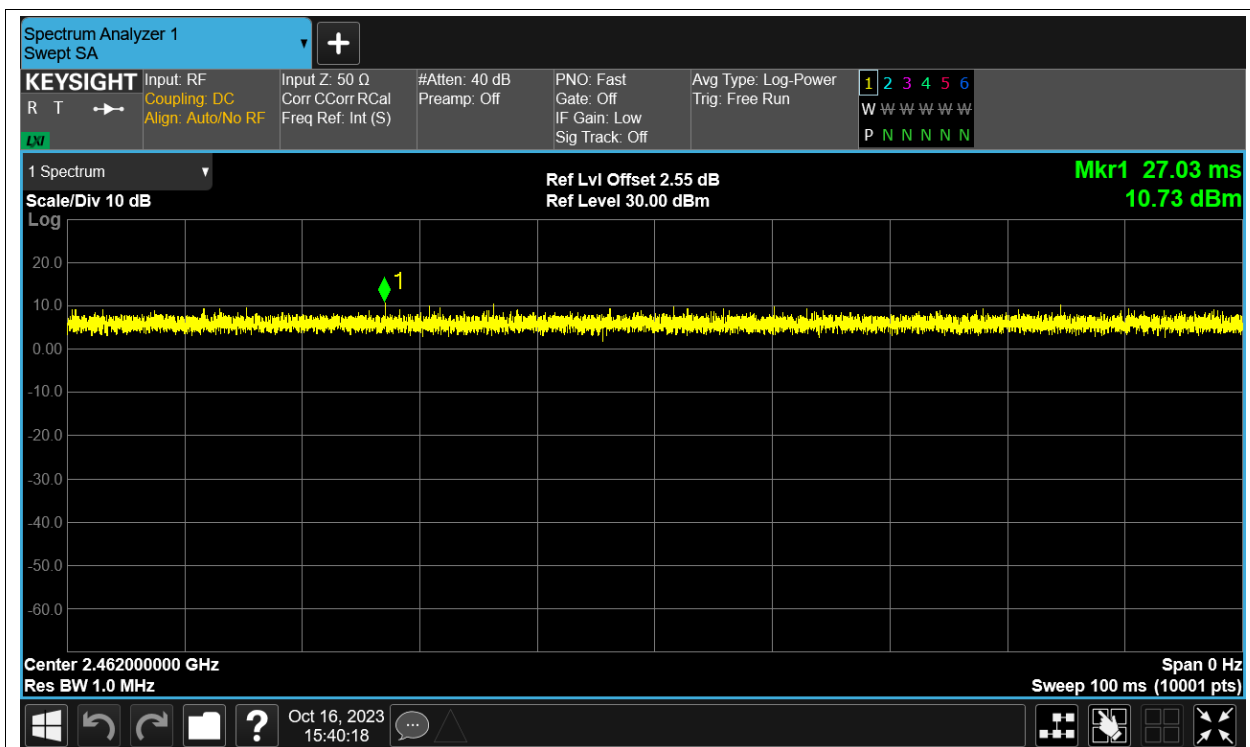
Duty Cycle NVNT n20 2412MHz Ant14



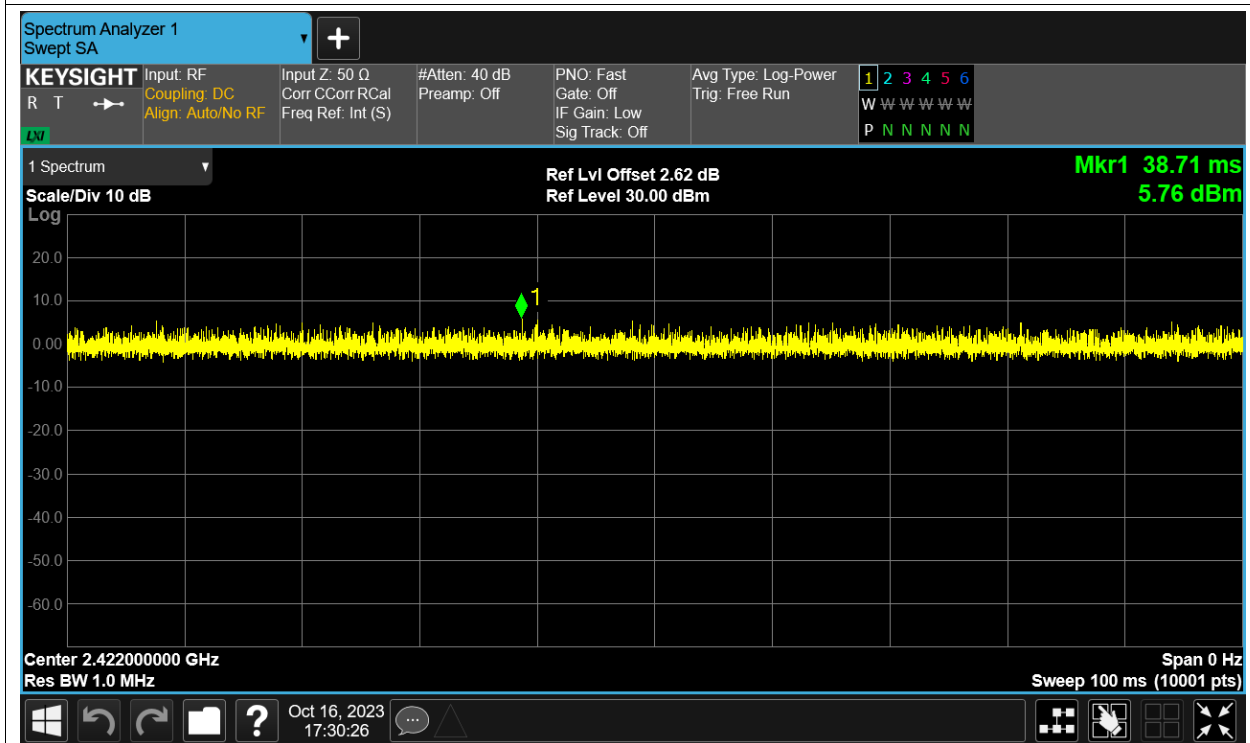
Duty Cycle NVNT n20 2437MHz Ant14



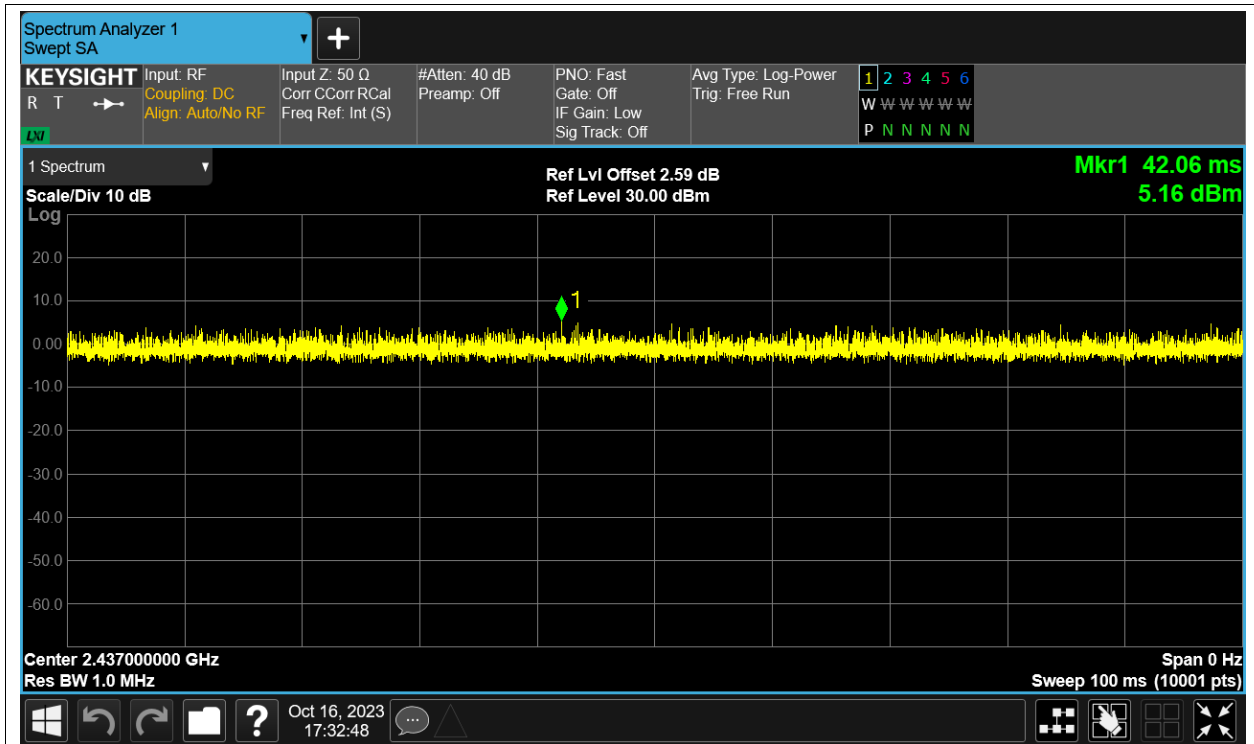
Duty Cycle NVNT n20 2462MHz Ant14



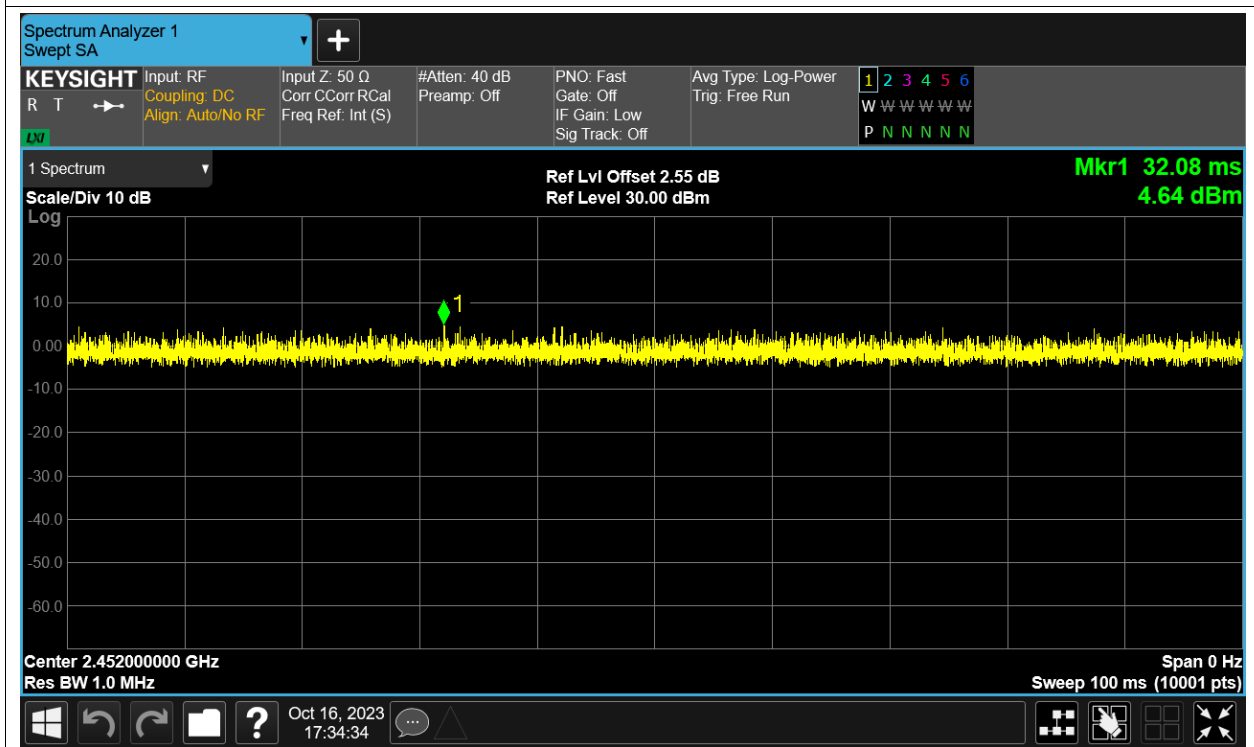
Duty Cycle NVNT n40 2422MHz Ant14



Duty Cycle NVNT n40 2437MHz Ant14



Duty Cycle NVNT n40 2452MHz Ant14



## 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               | Ant14   | 15.85                    | 0                   | 15.85                | 30             | Pass    |
| NVNT      | b    | 2437               | Ant14   | 15.86                    | 0                   | 15.86                | 30             | Pass    |
| NVNT      | b    | 2462               | Ant14   | 16.03                    | 0                   | 16.03                | 30             | Pass    |
| NVNT      | g    | 2412               | Ant14   | 12.81                    | 0                   | 12.81                | 30             | Pass    |
| NVNT      | g    | 2437               | Ant14   | 12.58                    | 0                   | 12.58                | 30             | Pass    |
| NVNT      | g    | 2462               | Ant14   | 13.36                    | 0                   | 13.36                | 30             | Pass    |
| NVNT      | n20  | 2412               | Ant14   | 12.79                    | 0                   | 12.79                | 30             | Pass    |
| NVNT      | n20  | 2437               | Ant14   | 12.41                    | 0                   | 12.41                | 30             | Pass    |
| NVNT      | n20  | 2462               | Ant14   | 12.54                    | 0                   | 12.54                | 30             | Pass    |
| NVNT      | n40  | 2422               | Ant14   | 12.1                     | 0                   | 12.1                 | 30             | Pass    |
| NVNT      | n40  | 2437               | Ant14   | 11.89                    | 0                   | 11.89                | 30             | Pass    |
| NVNT      | n40  | 2452               | Ant14   | 11.8                     | 0                   | 11.8                 | 30             | Pass    |

## -6dB Bandwidth

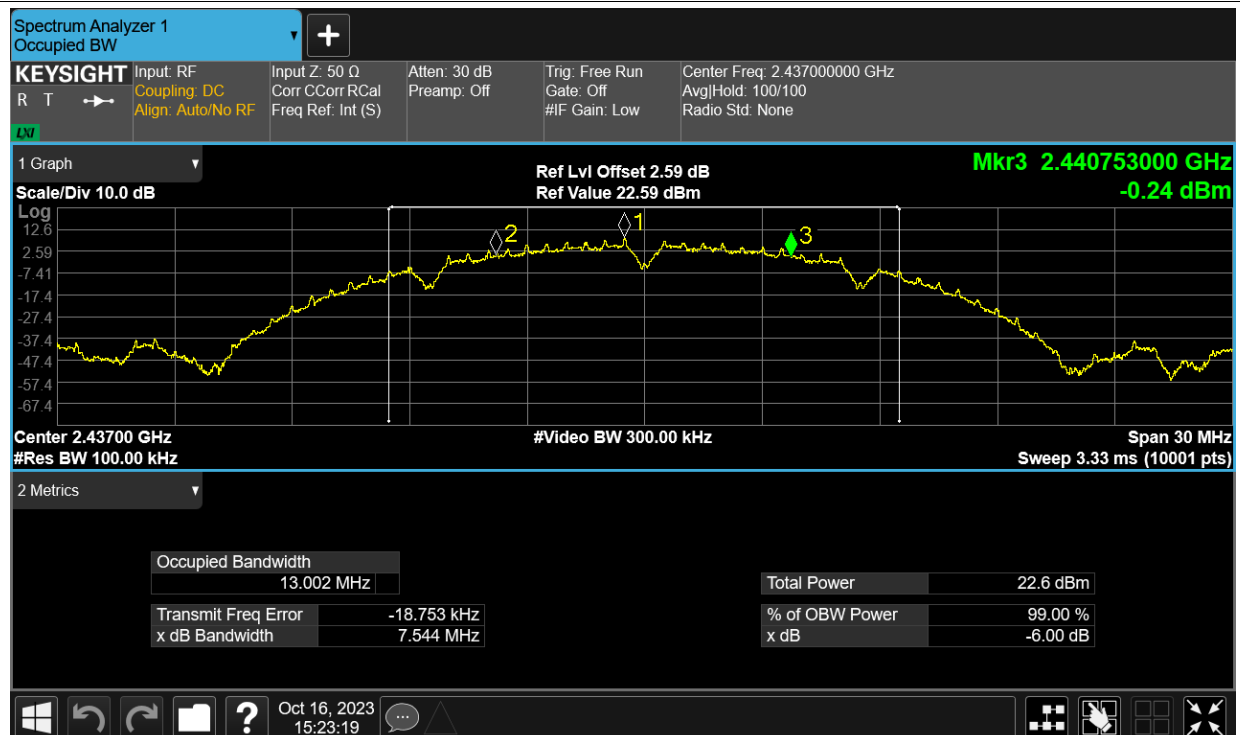
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | limit | Verdic |
|-----------|------|-----------------|---------|-----------------------|-------|--------|
| NVNT      | b    | 2412            | Ant14   | 8.029                 | 0.5   | Pass   |
| NVNT      | b    | 2437            | Ant14   | 7.544                 | 0.5   | Pass   |
| NVNT      | b    | 2462            | Ant14   | 8.033                 | 0.5   | Pass   |
| NVNT      | g    | 2412            | Ant14   | 16.334                | 0.5   | Pass   |
| NVNT      | g    | 2437            | Ant14   | 16.349                | 0.5   | Pass   |
| NVNT      | g    | 2462            | Ant14   | 16.33                 | 0.5   | Pass   |
| NVNT      | n20  | 2412            | Ant14   | 17.571                | 0.5   | Pass   |
| NVNT      | n20  | 2437            | Ant14   | 17.567                | 0.5   | Pass   |
| NVNT      | n20  | 2462            | Ant14   | 17.574                | 0.5   | Pass   |
| NVNT      | n40  | 2422            | Ant14   | 34.151                | 0.5   | Pass   |
| NVNT      | n40  | 2437            | Ant14   | 36.351                | 0.5   | Pass   |
| NVNT      | n40  | 2452            | Ant14   | 36.331                | 0.5   | Pass   |

## Test Graphs

## -6dB Bandwidth NVNT b 2412MHz Ant14



## -6dB Bandwidth NVNT b 2437MHz Ant14



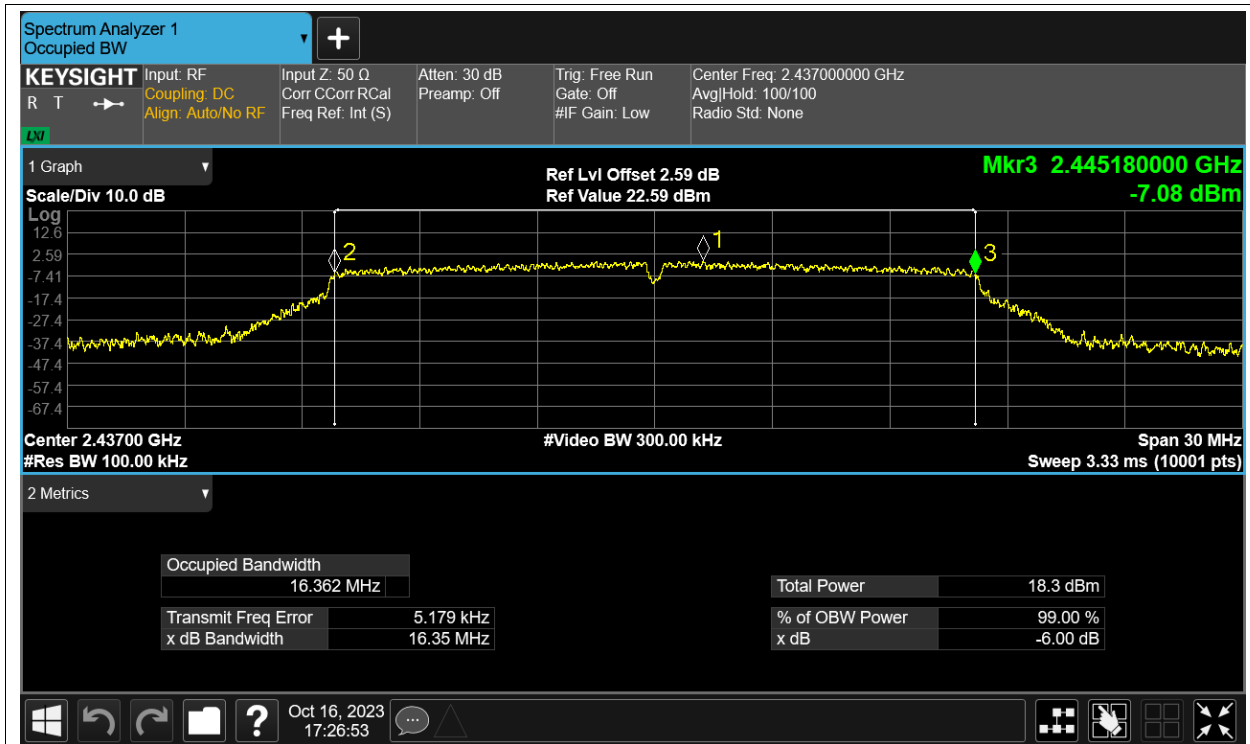
## -6dB Bandwidth NVNT b 2462MHz Ant14



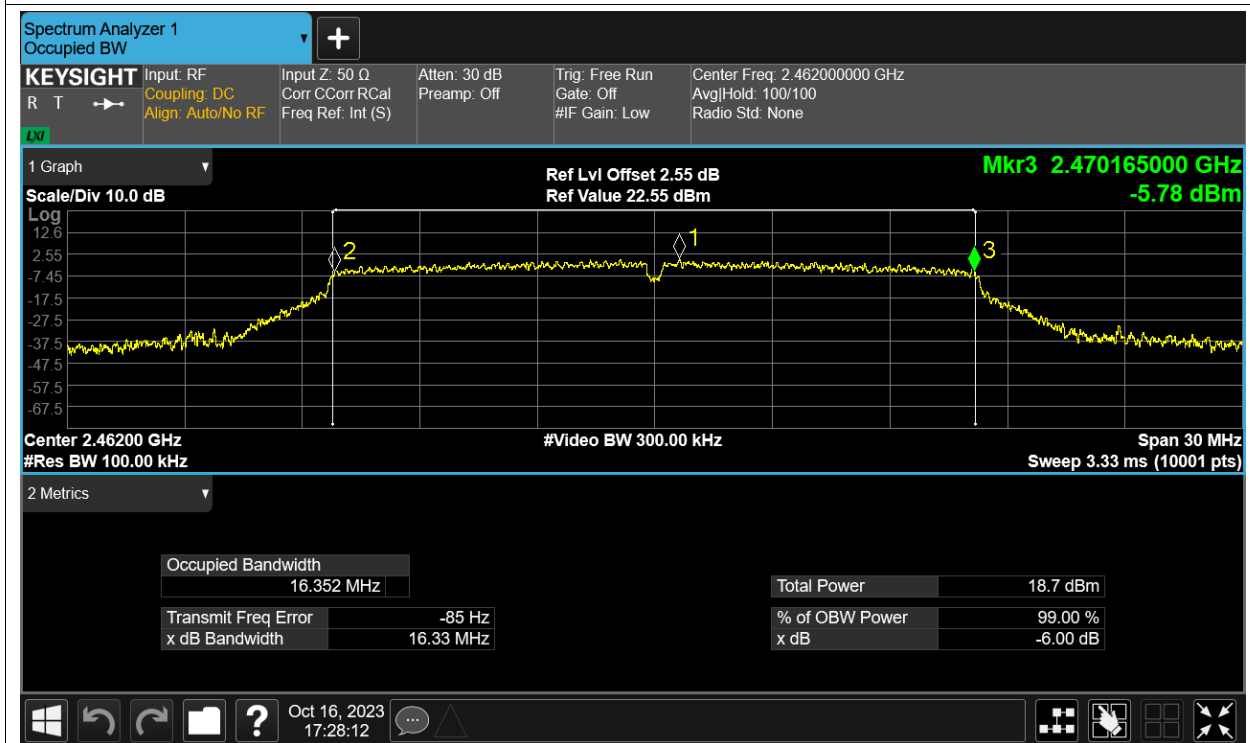
-6dB Bandwidth NVNT g 2412MHz Ant14



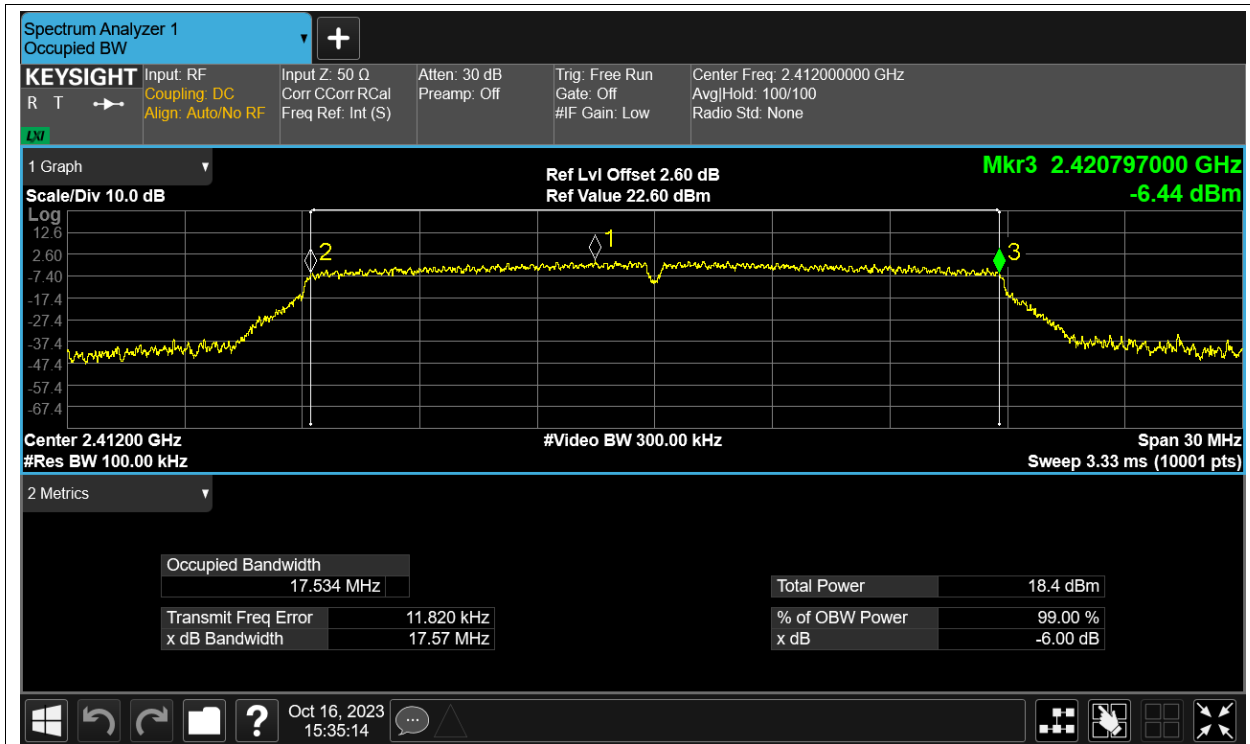
-6dB Bandwidth NVNT g 2437MHz Ant14



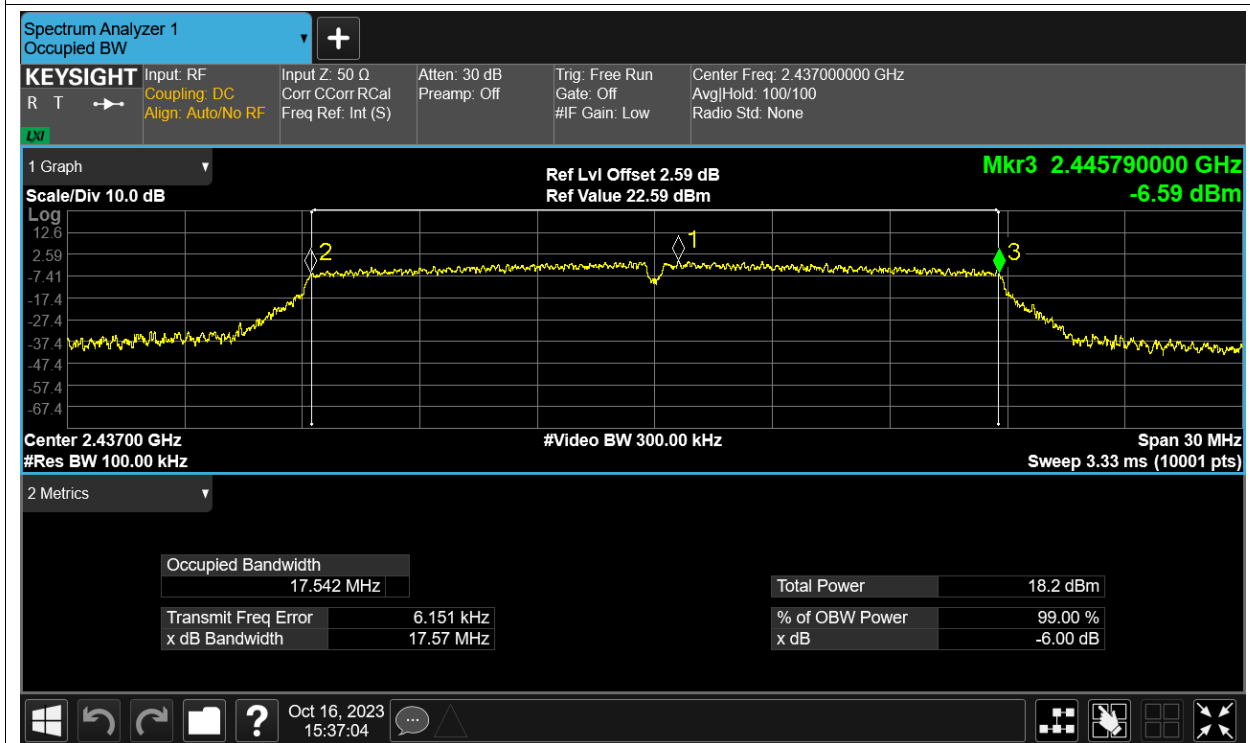
-6dB Bandwidth NVNT g 2462MHz Ant14



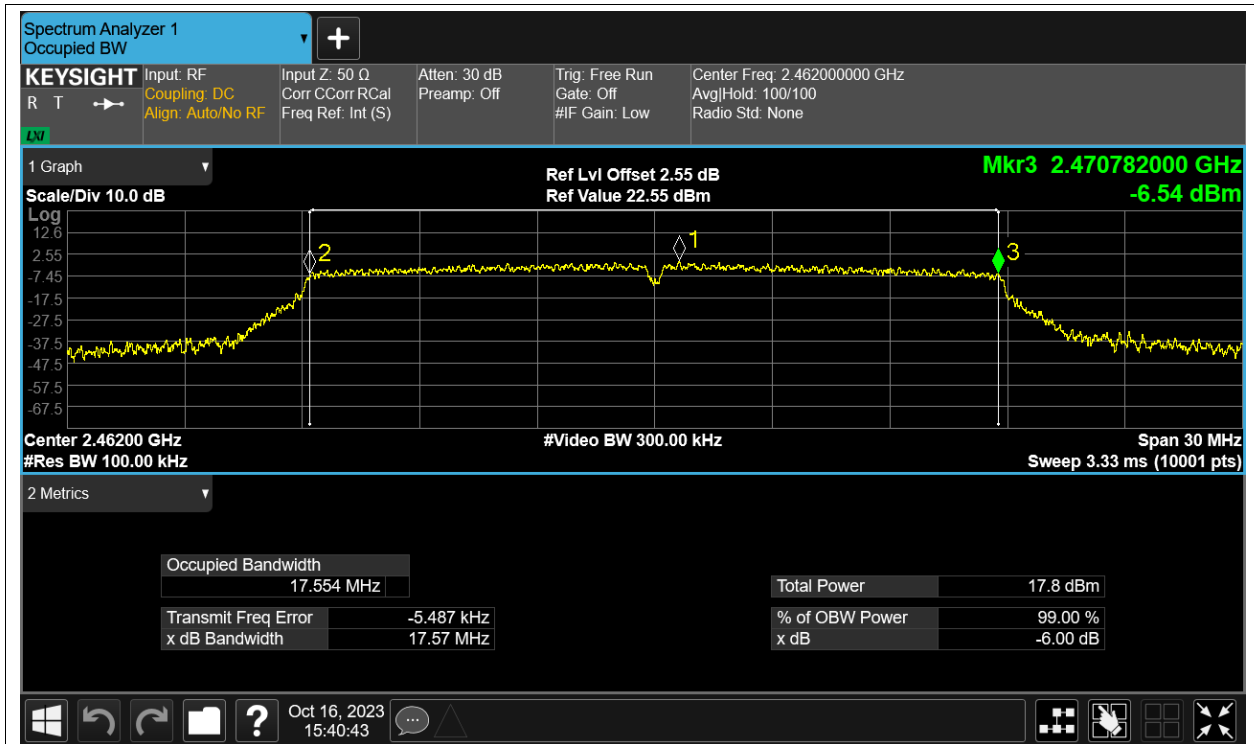
-6dB Bandwidth NVNT n20 2412MHz Ant14



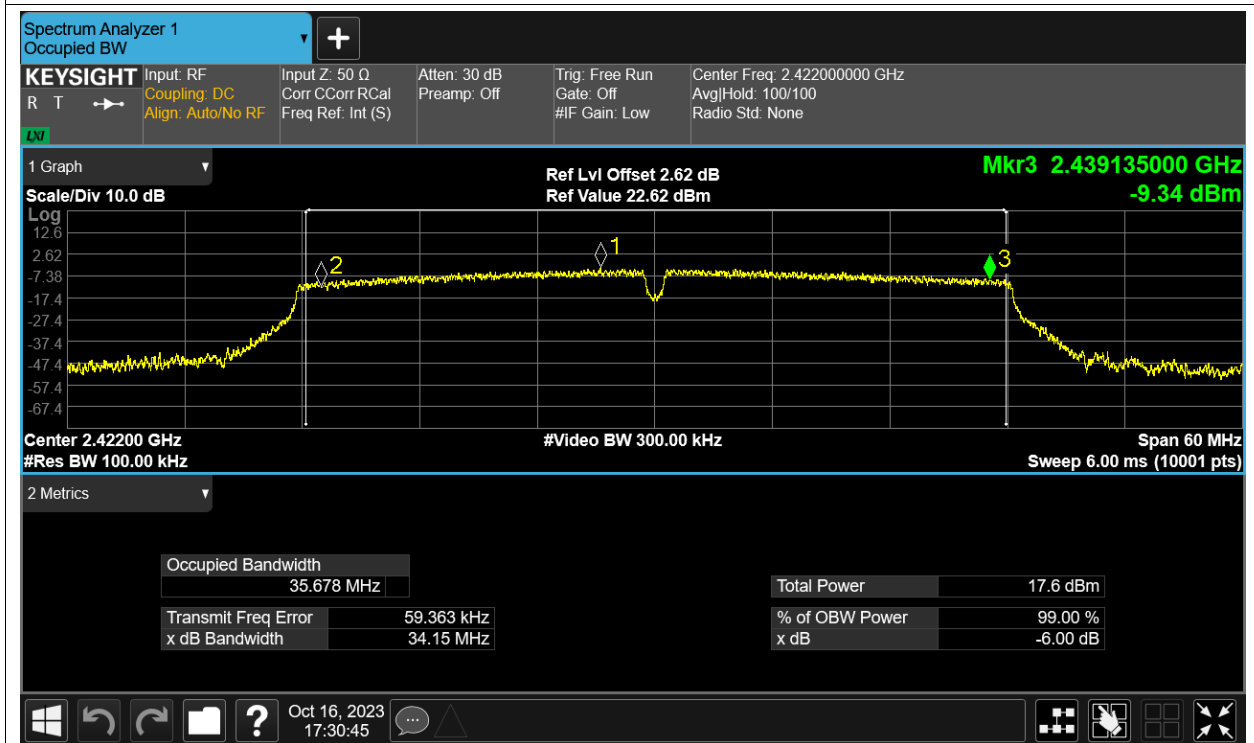
-6dB Bandwidth NVNT n20 2437MHz Ant14



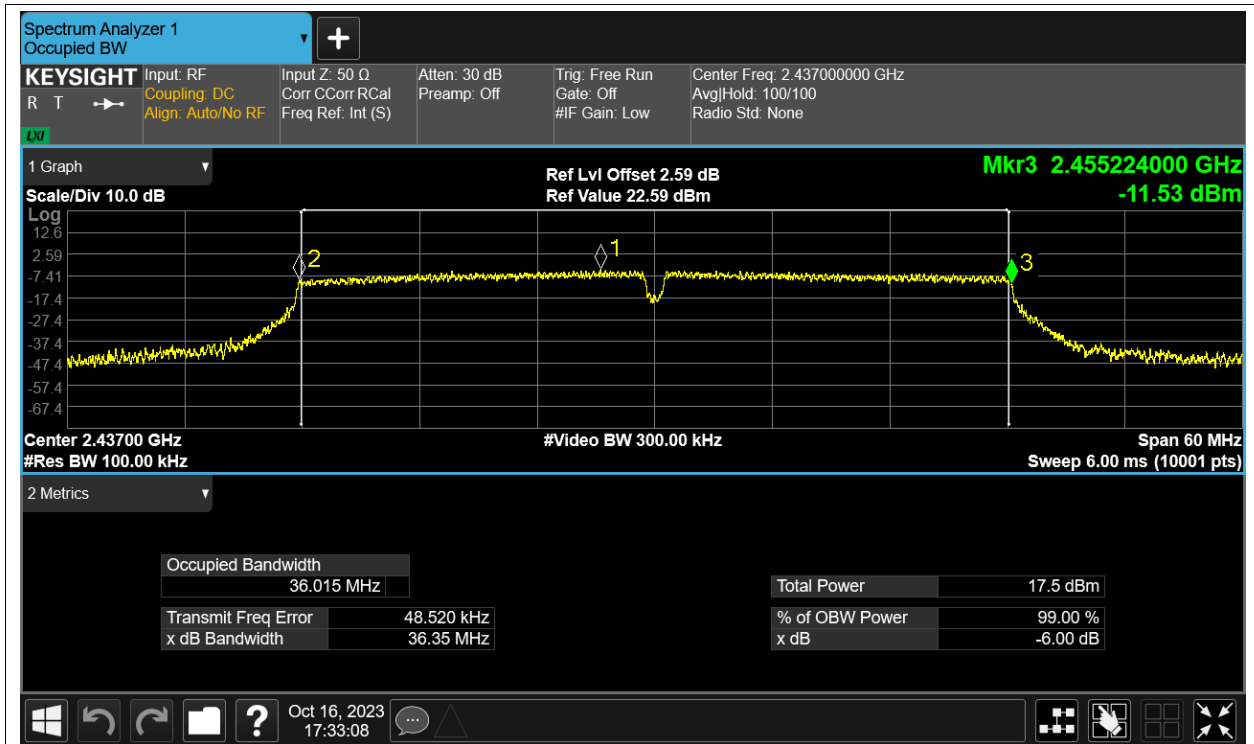
-6dB Bandwidth NVNT n20 2462MHz Ant14



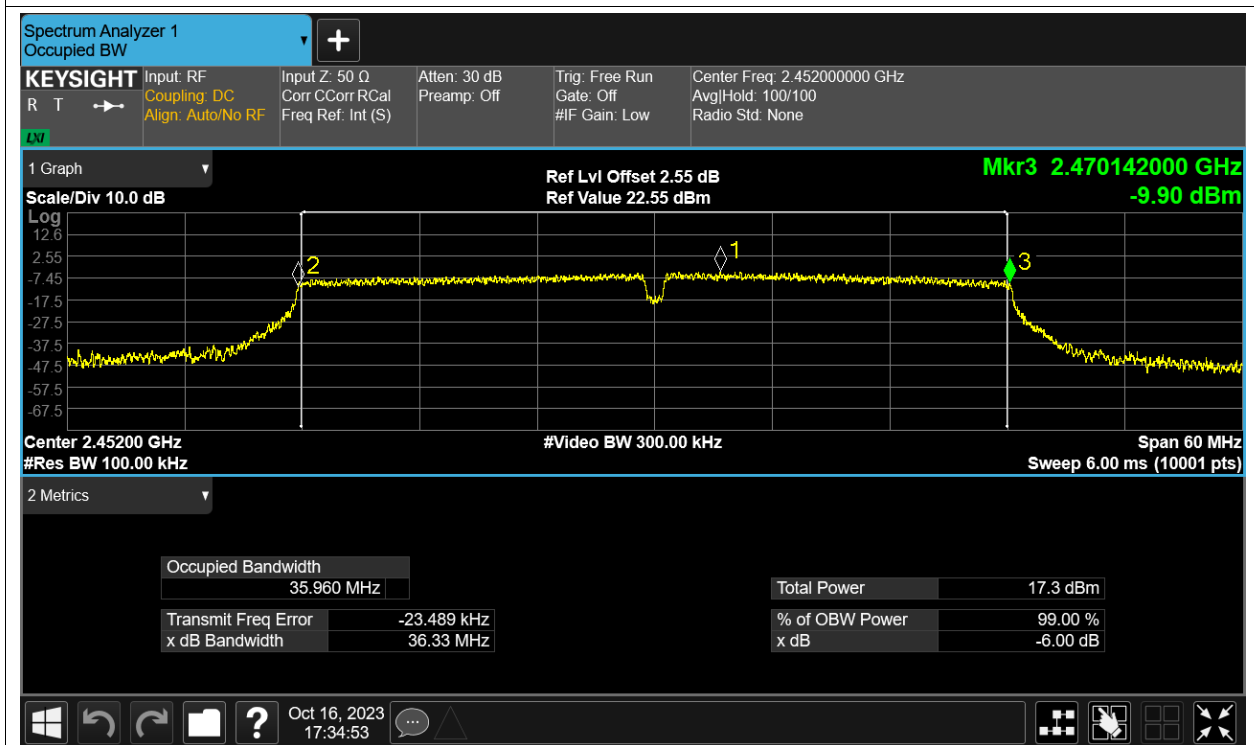
-6dB Bandwidth NVNT n40 2422MHz Ant14



-6dB Bandwidth NVNT n40 2437MHz Ant14



-6dB Bandwidth NVNT n40 2452MHz Ant14

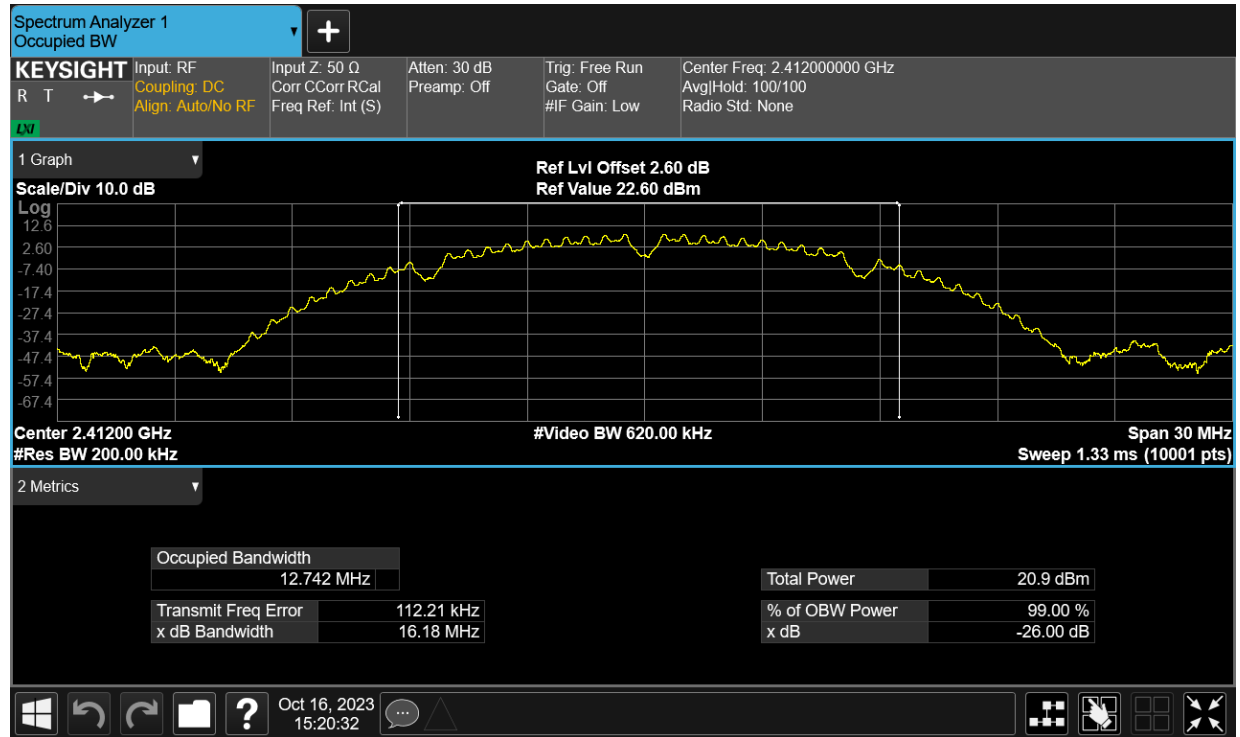


## Occupied Channel Bandwidth

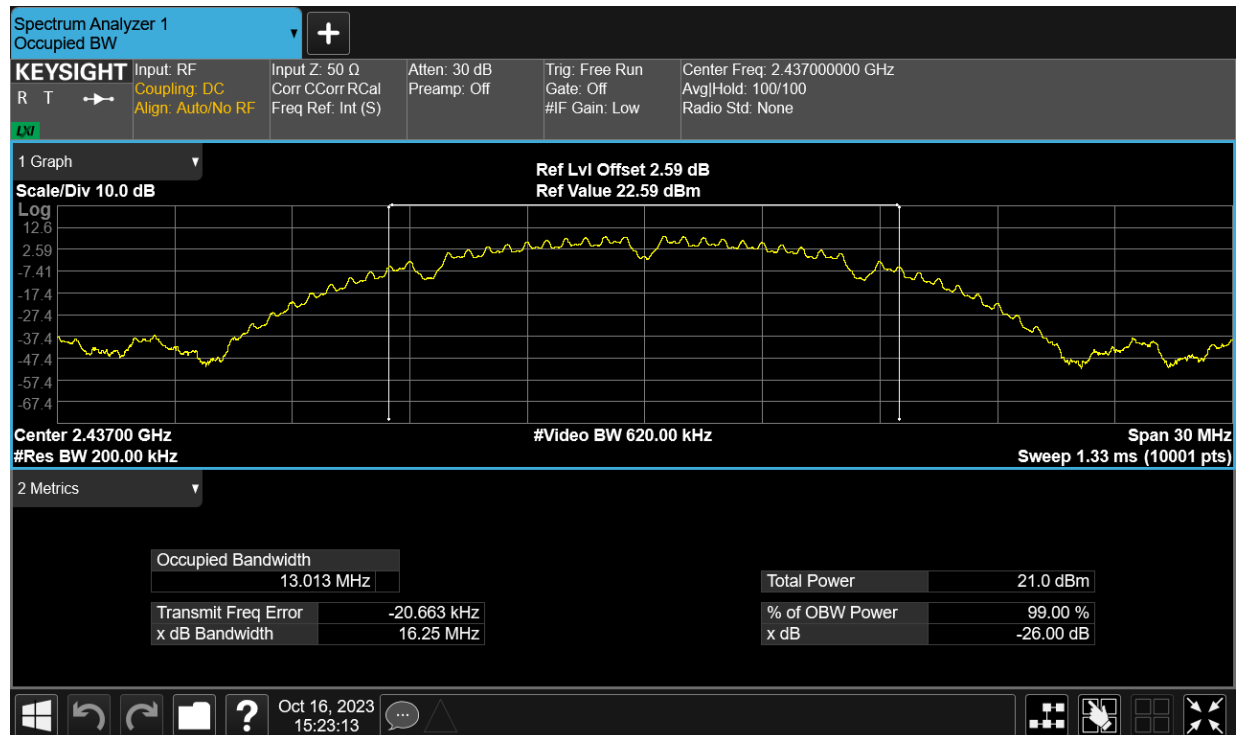
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | b    | 2412            | Ant14   | 12.742        |
| NVNT      | b    | 2437            | Ant14   | 13.013        |
| NVNT      | b    | 2462            | Ant14   | 12.825        |
| NVNT      | g    | 2412            | Ant14   | 16.399        |
| NVNT      | g    | 2437            | Ant14   | 16.418        |
| NVNT      | g    | 2462            | Ant14   | 16.41         |
| NVNT      | n20  | 2412            | Ant14   | 17.561        |
| NVNT      | n20  | 2437            | Ant14   | 17.566        |
| NVNT      | n20  | 2462            | Ant14   | 17.554        |
| NVNT      | n40  | 2422            | Ant14   | 35.76         |
| NVNT      | n40  | 2437            | Ant14   | 36.153        |
| NVNT      | n40  | 2452            | Ant14   | 36.009        |

## Test Graphs

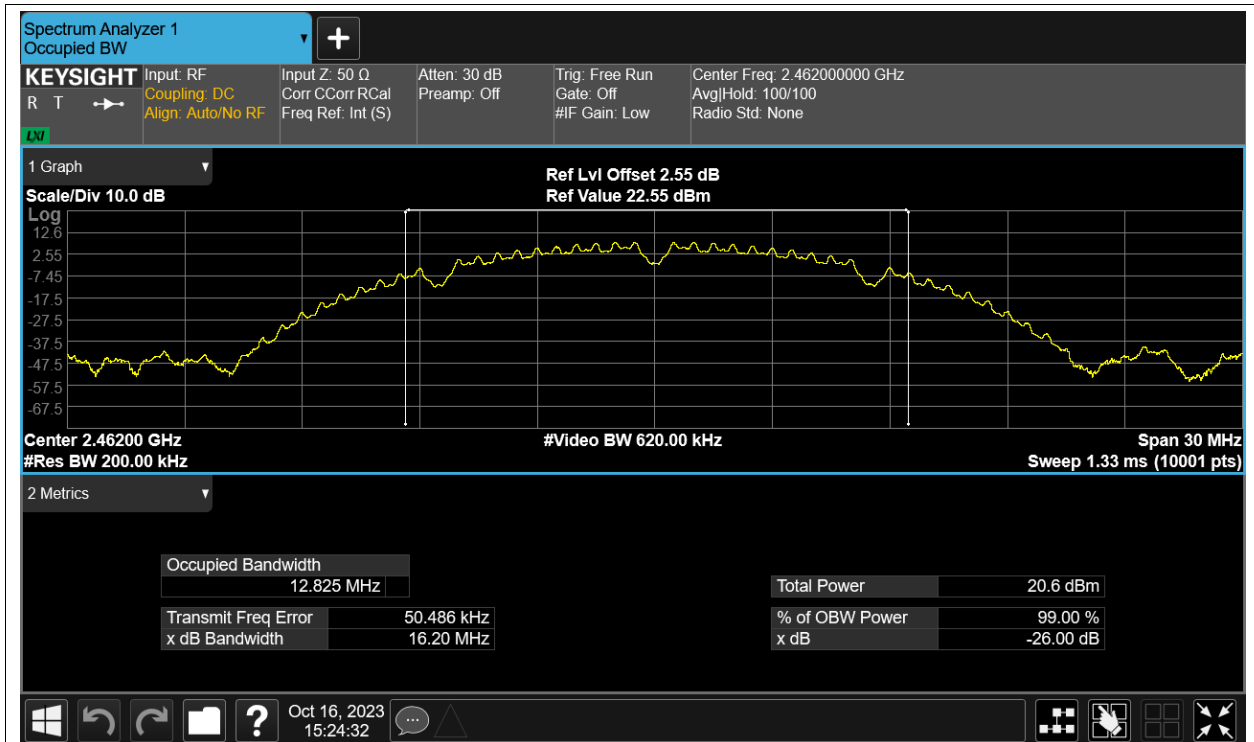
## OBW NVNT b 2412MHz Ant14



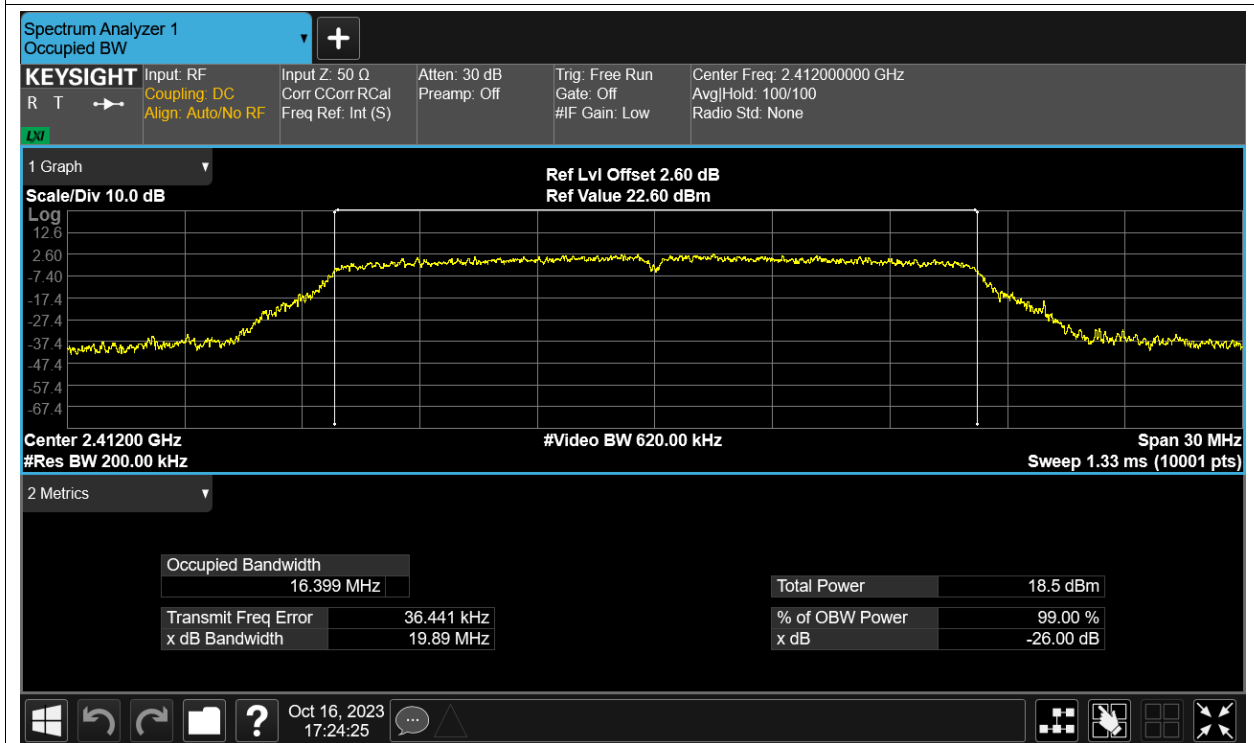
## OBW NVNT b 2437MHz Ant14



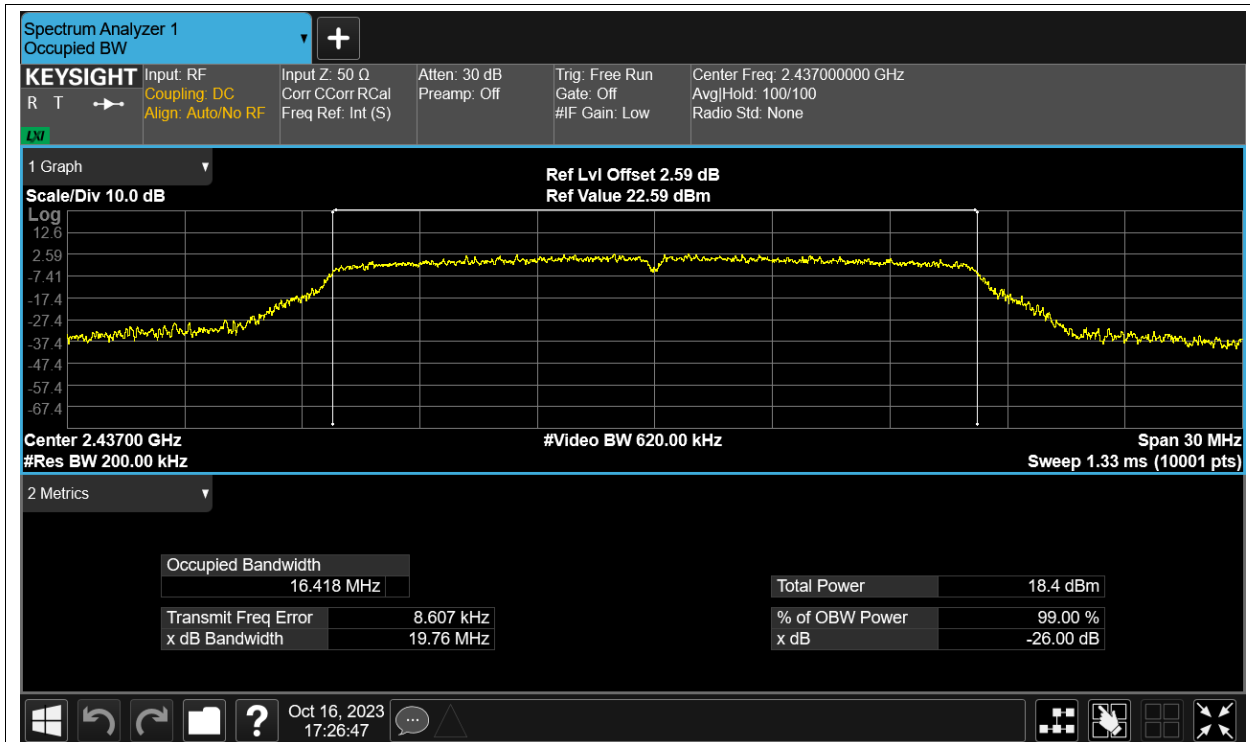
## OBW NVNT b 2462MHz Ant14



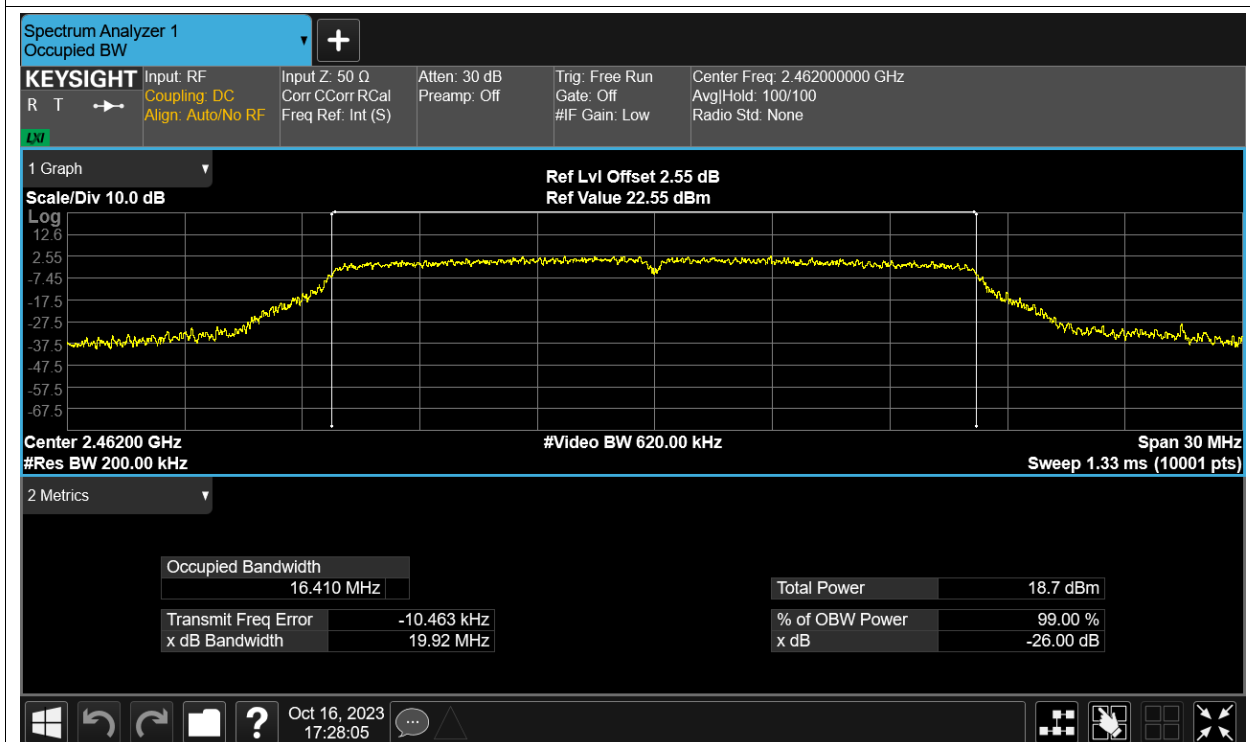
OBW NVNT g 2412MHz Ant14



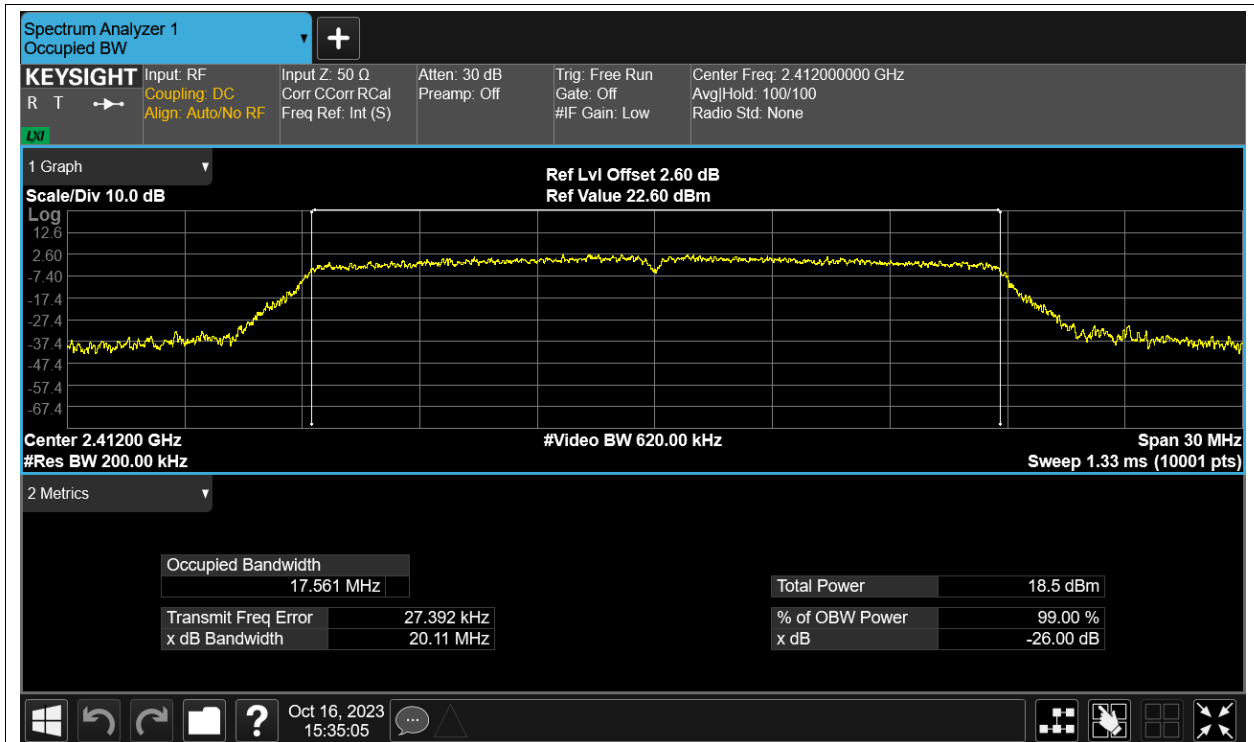
OBW NVNT g 2437MHz Ant14



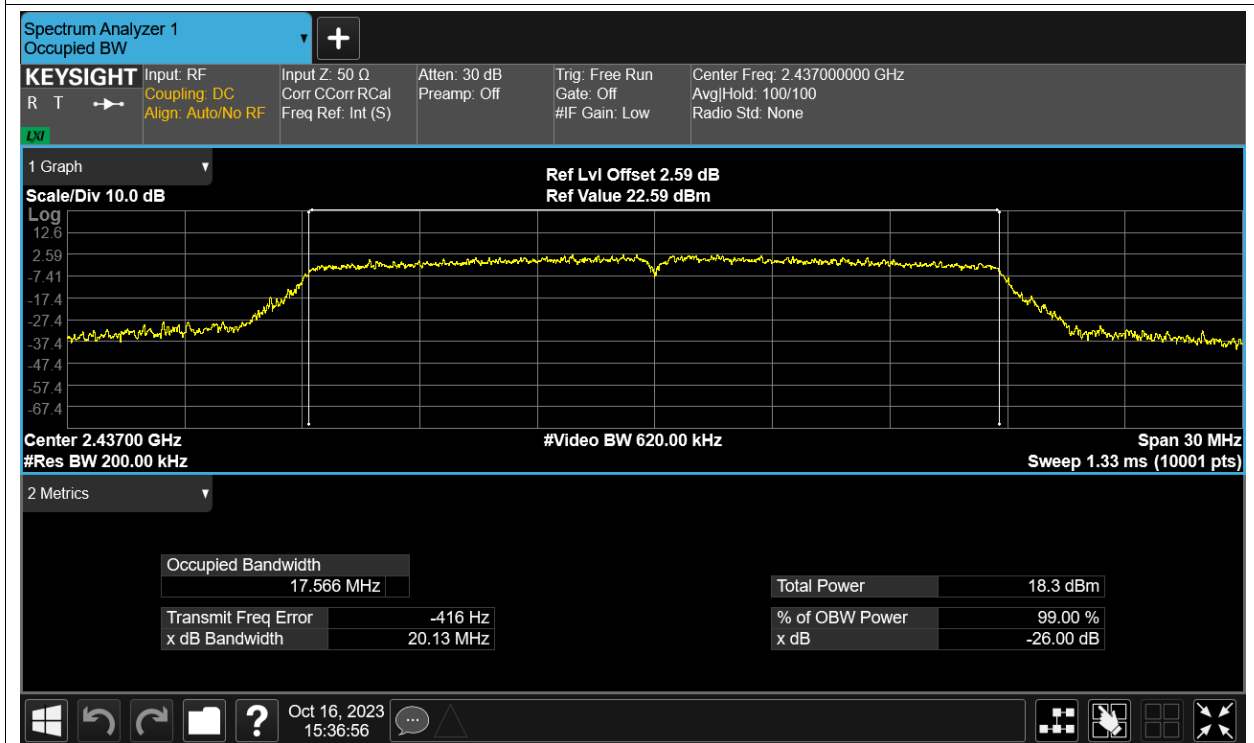
OBW NVNT g 2462MHz Ant14



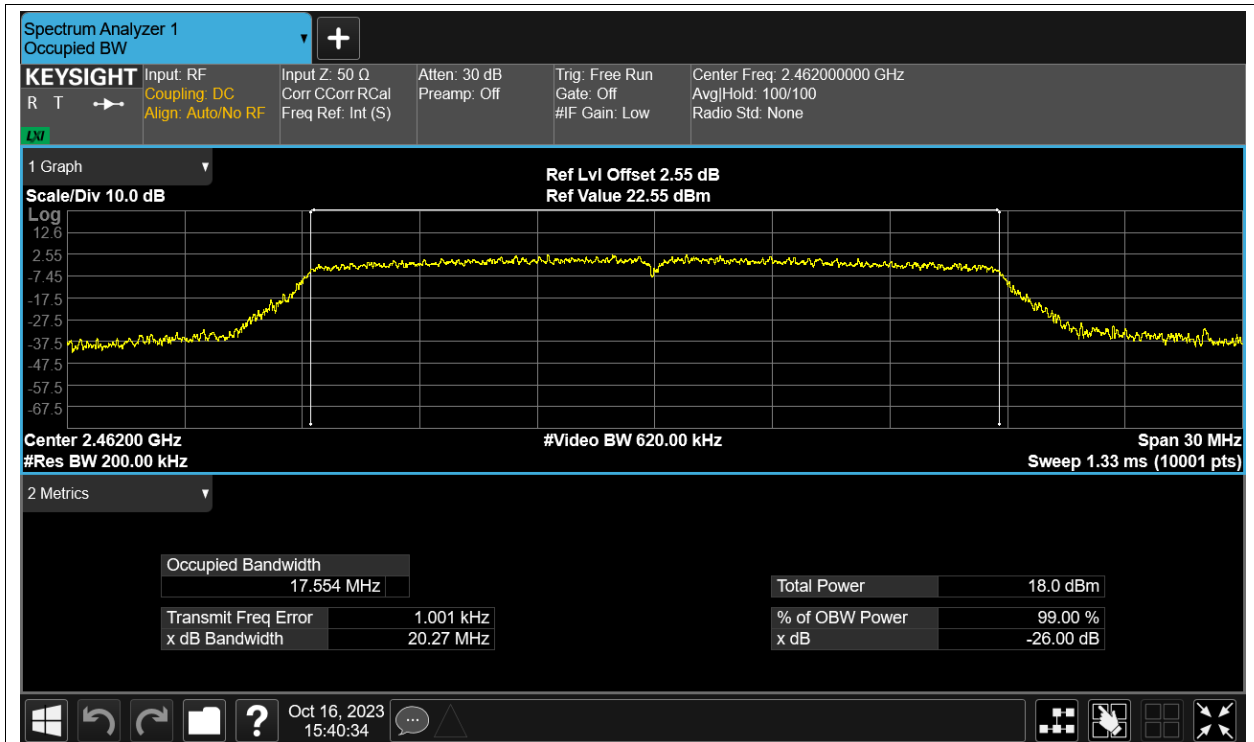
OBW NVNT n20 2412MHz Ant14



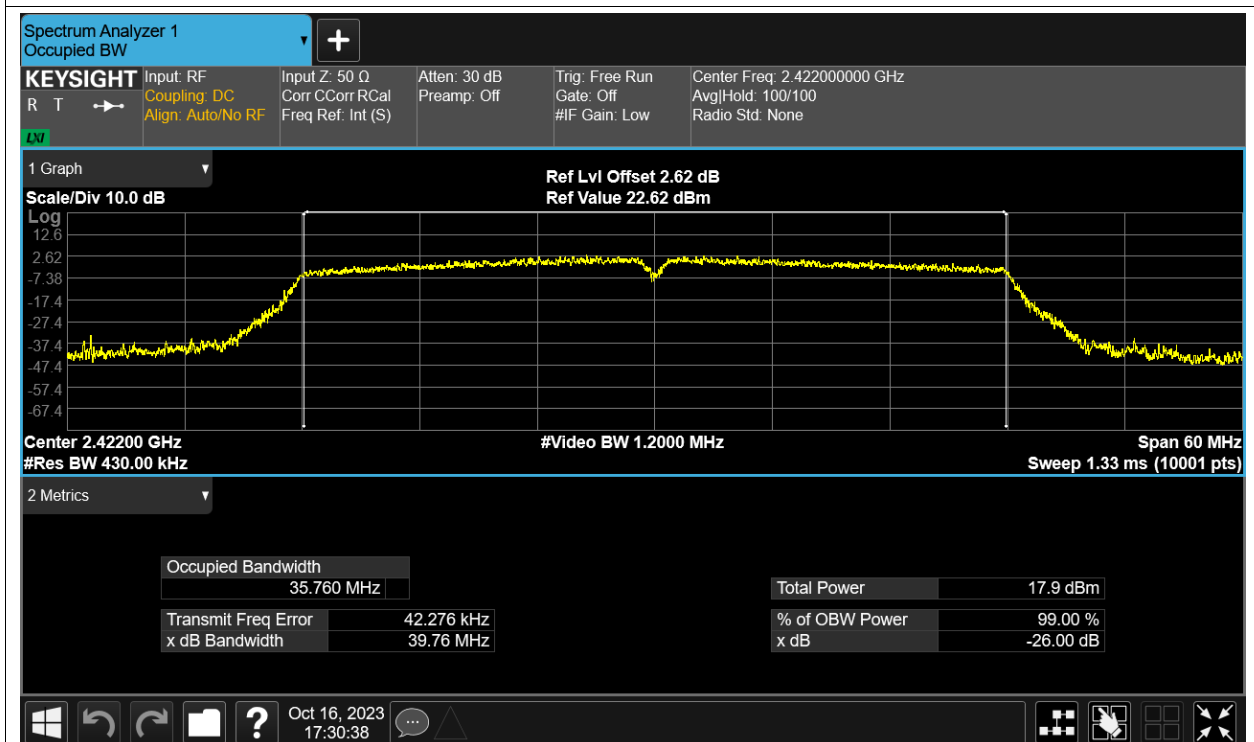
OBW NVNT n20 2437MHz Ant14



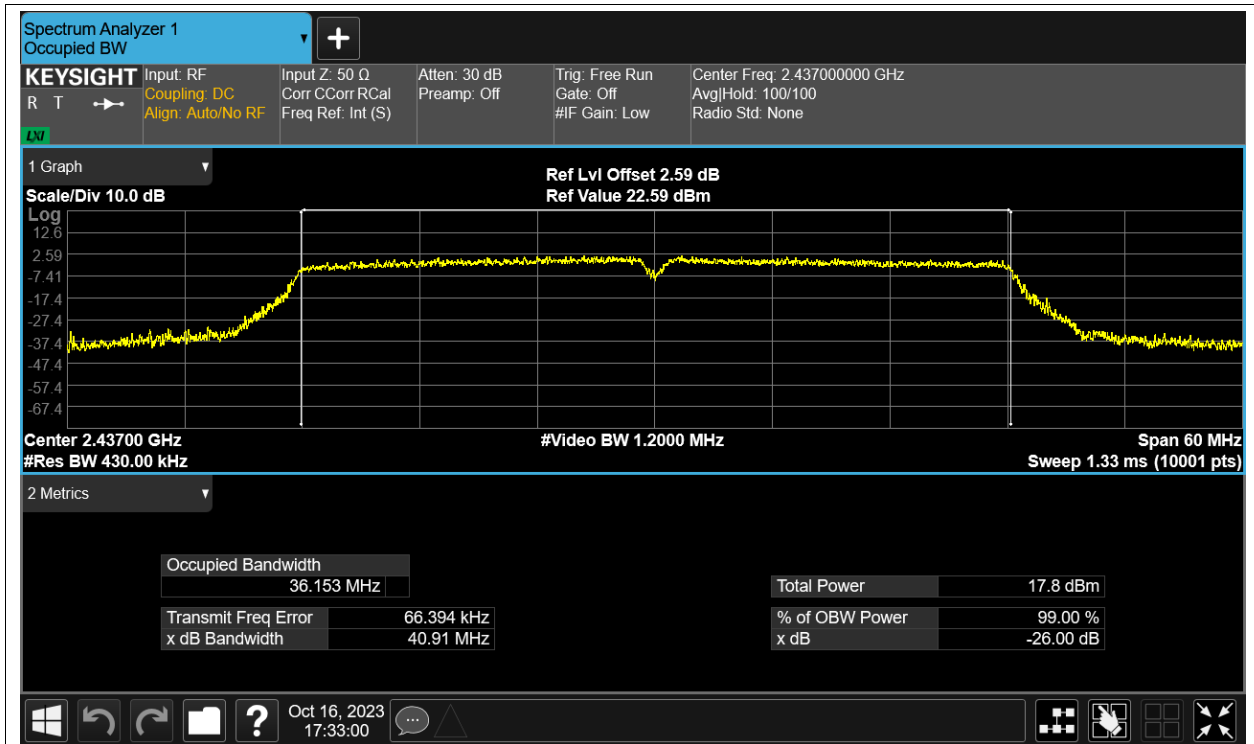
OBW NVNT n20 2462MHz Ant14



OBW NVNT n40 2422MHz Ant14



OBW NVNT n40 2437MHz Ant14



OBW NVNT n40 2452MHz Ant14

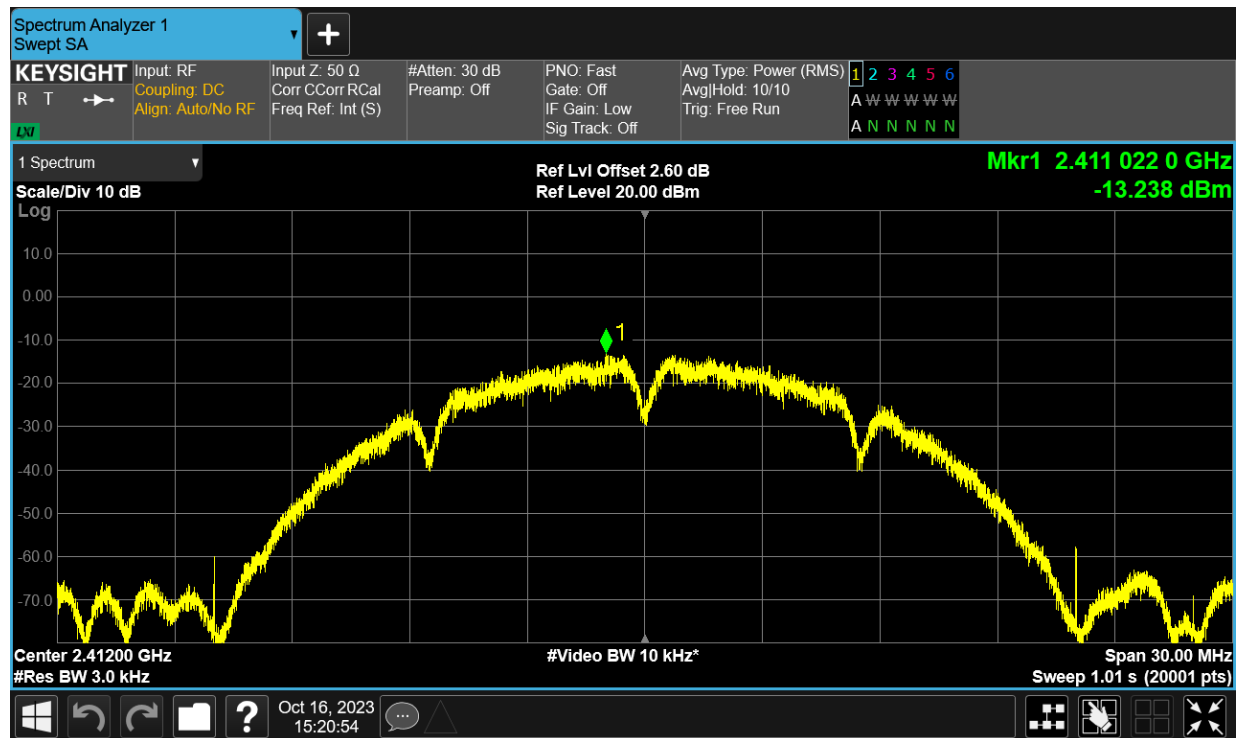


## Maximum Power Spectral Density Level

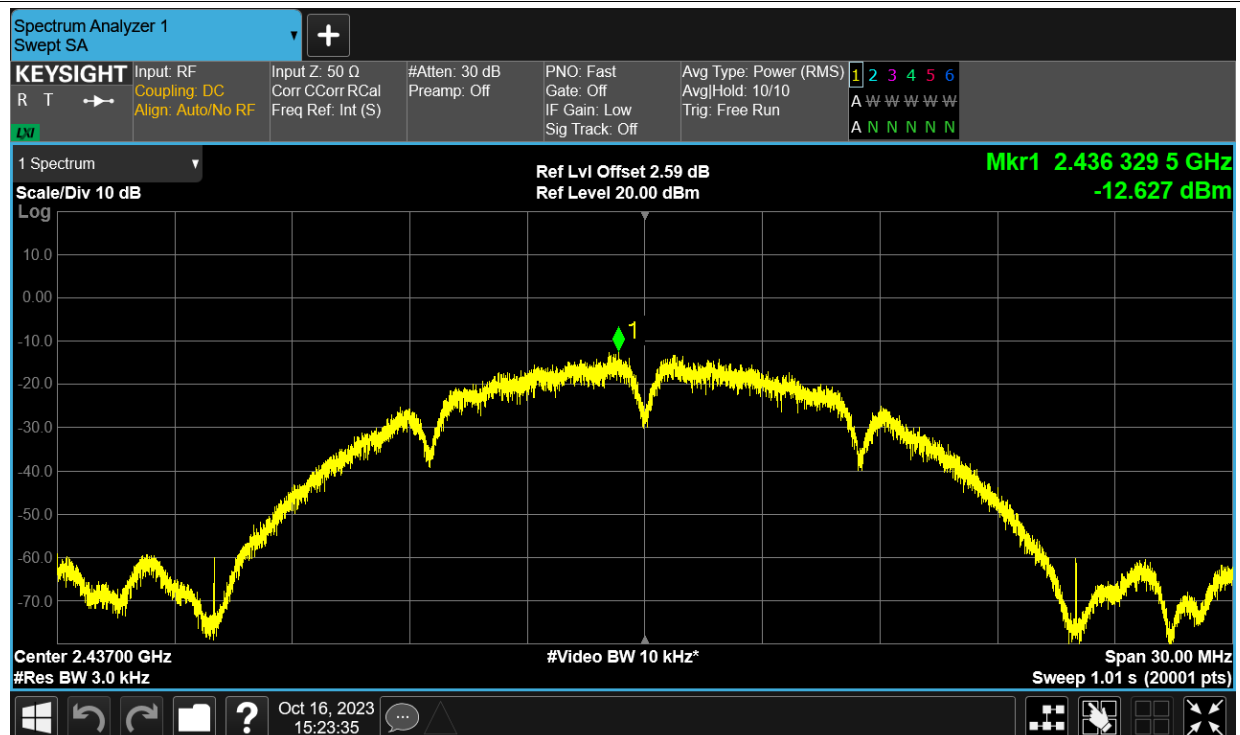
| Condition | Mode | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------|-------------|---------|
| NVNT      | b    | 2412            | Ant14   | -13.238       | 8           | Pass    |
| NVNT      | b    | 2437            | Ant14   | -12.627       | 8           | Pass    |
| NVNT      | b    | 2462            | Ant14   | -12.97        | 8           | Pass    |
| NVNT      | g    | 2412            | Ant14   | -18.22        | 8           | Pass    |
| NVNT      | g    | 2437            | Ant14   | -18.354       | 8           | Pass    |
| NVNT      | g    | 2462            | Ant14   | -18.066       | 8           | Pass    |
| NVNT      | n20  | 2412            | Ant14   | -18.655       | 8           | Pass    |
| NVNT      | n20  | 2437            | Ant14   | -18.852       | 8           | Pass    |
| NVNT      | n20  | 2462            | Ant14   | -18.35        | 8           | Pass    |
| NVNT      | n40  | 2422            | Ant14   | -21.225       | 8           | Pass    |
| NVNT      | n40  | 2437            | Ant14   | -22.177       | 8           | Pass    |
| NVNT      | n40  | 2452            | Ant14   | -21.897       | 8           | Pass    |

## Test Graphs

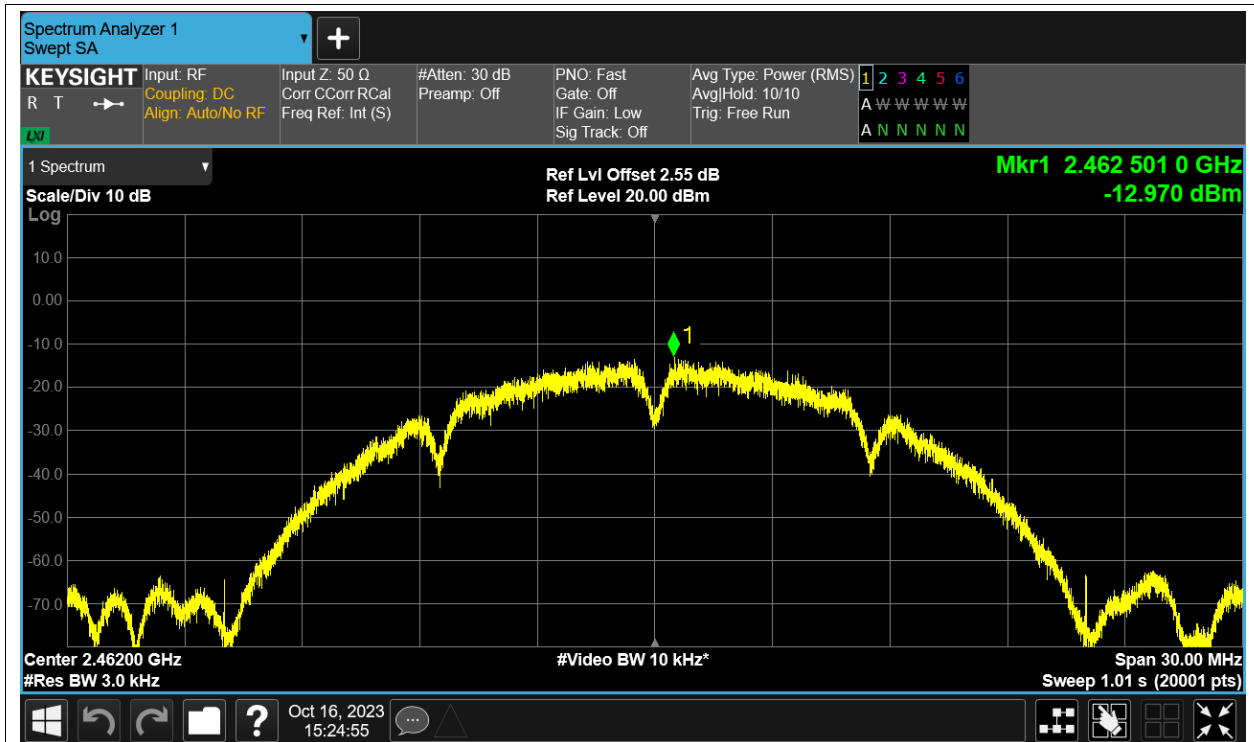
## PSD NVNT b 2412MHz Ant14



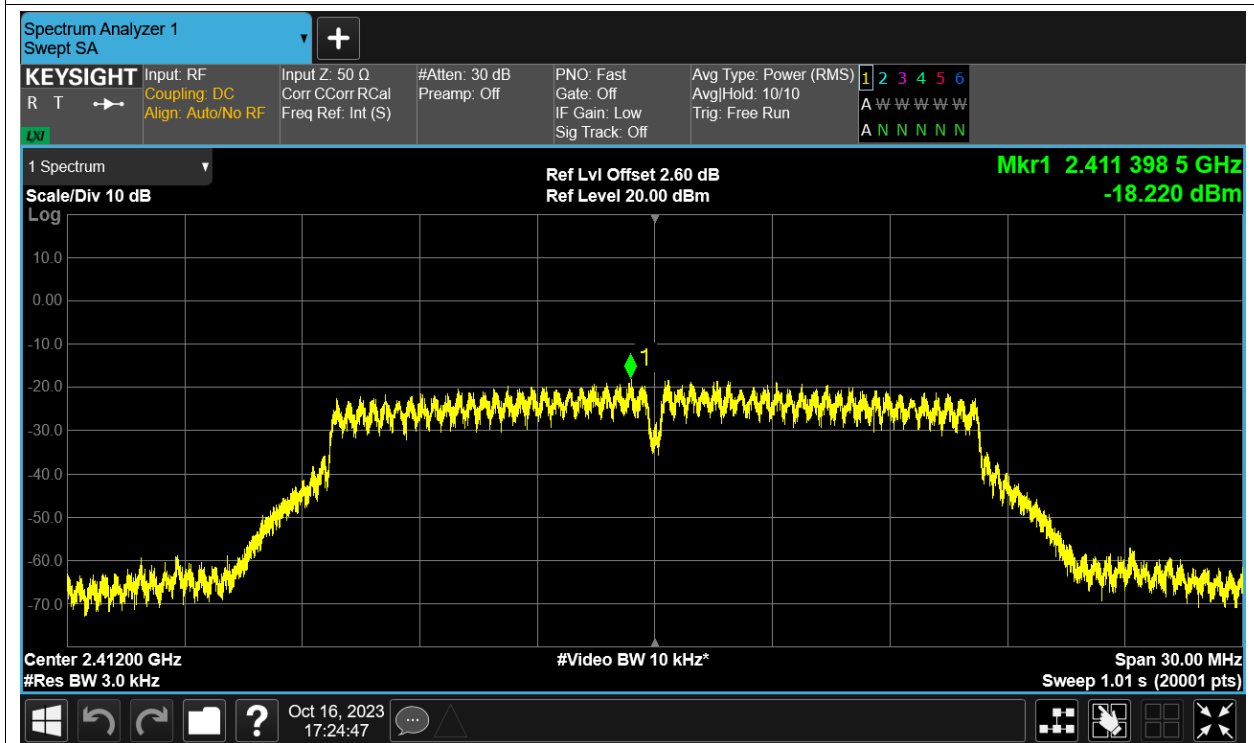
## PSD NVNT b 2437MHz Ant14



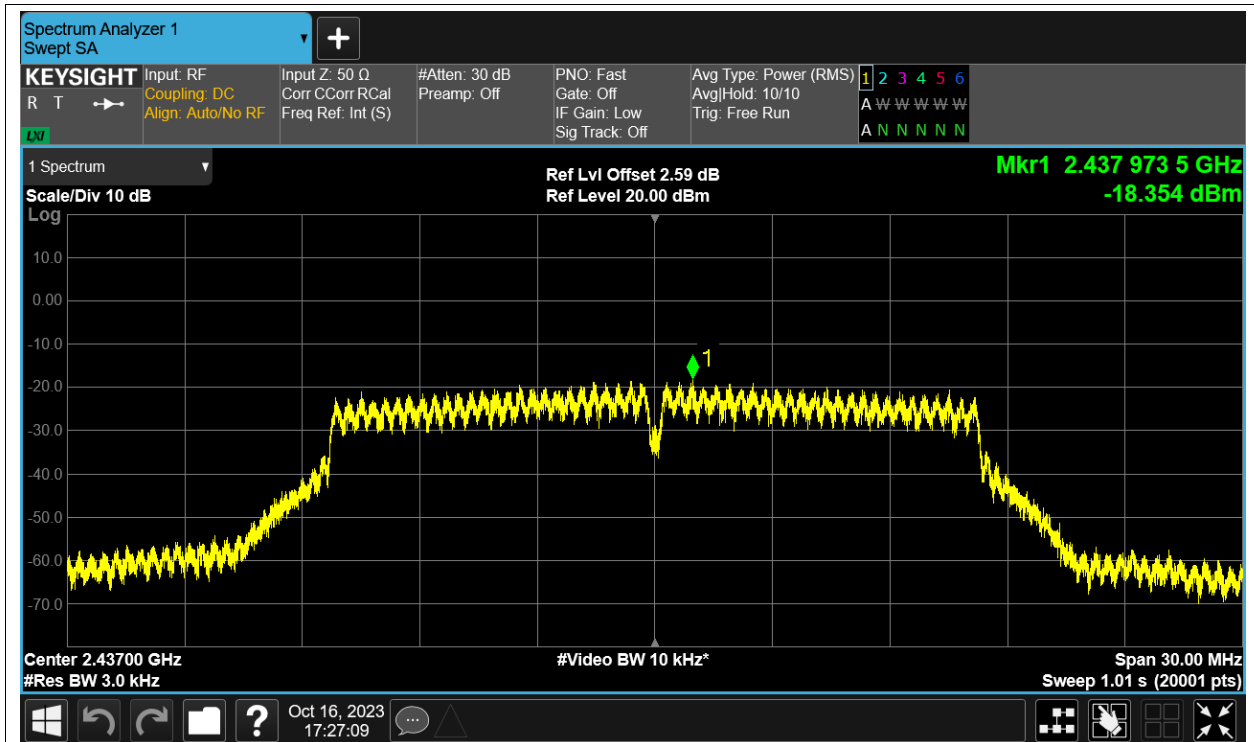
## PSD NVNT b 2462MHz Ant14



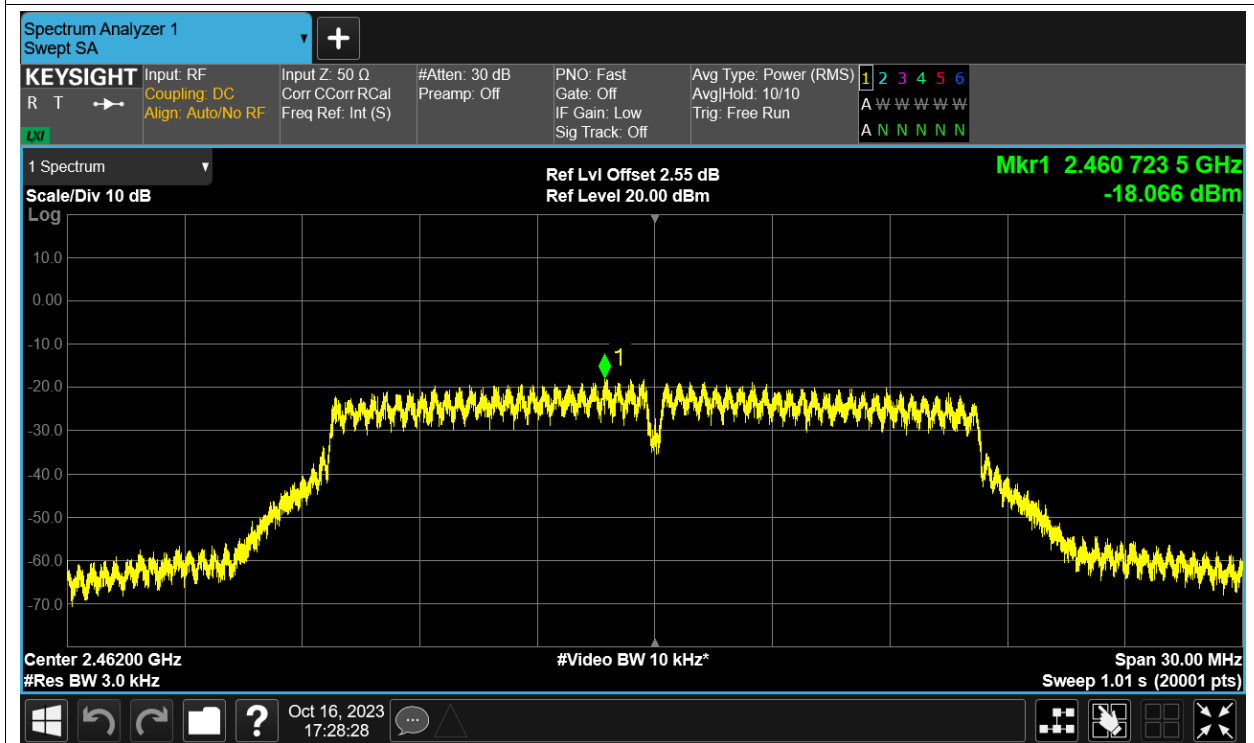
PSD NVNT g 2412MHz Ant14



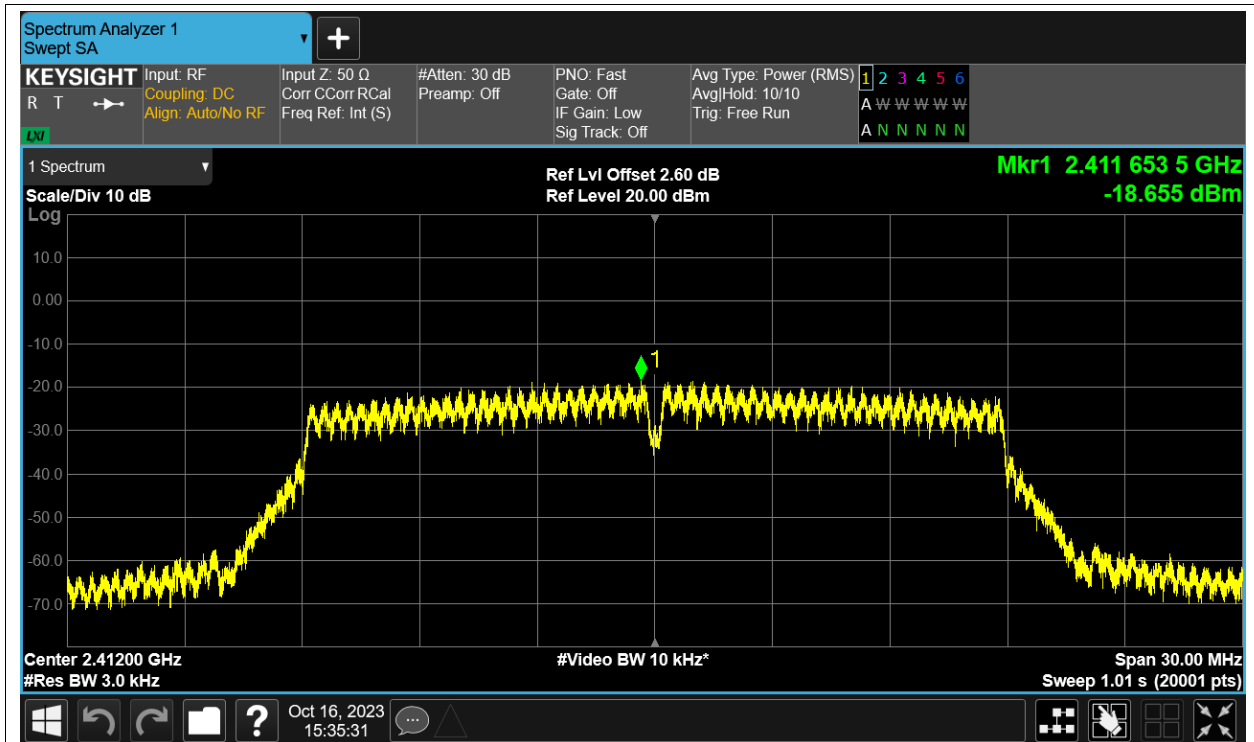
PSD NVNT g 2437MHz Ant14



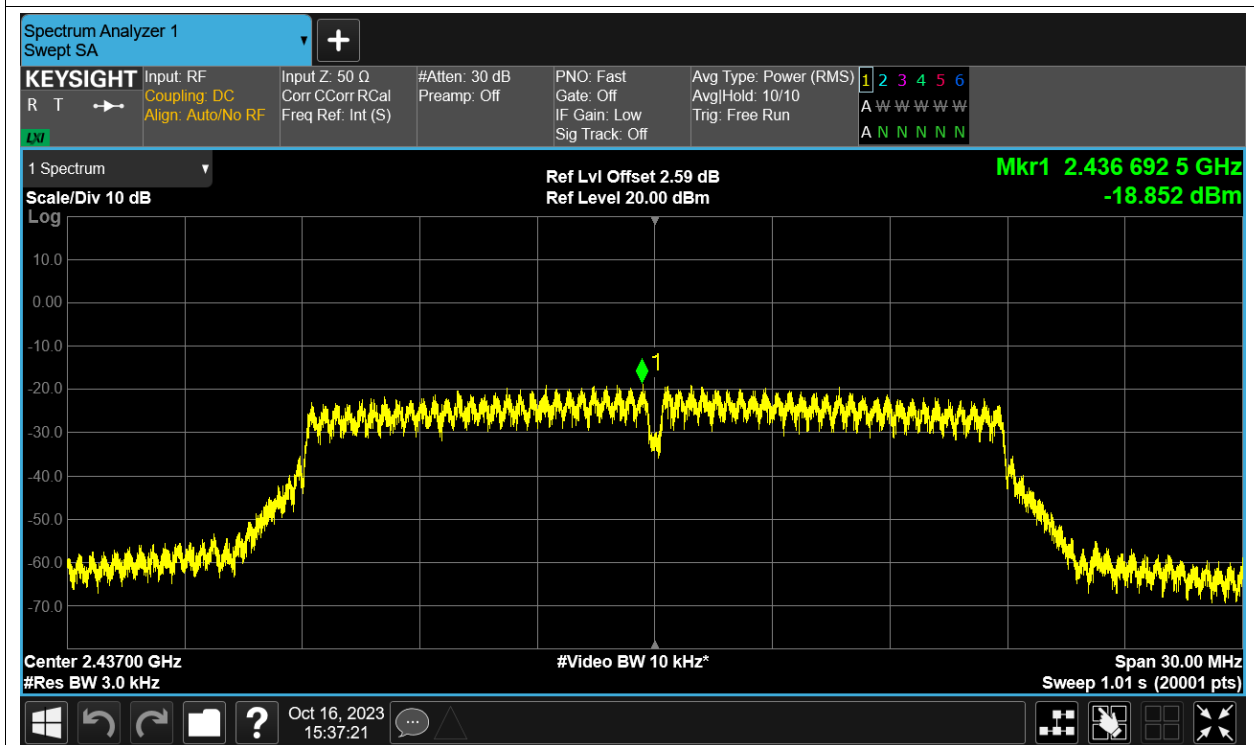
PSD NVNT g 2462MHz Ant14



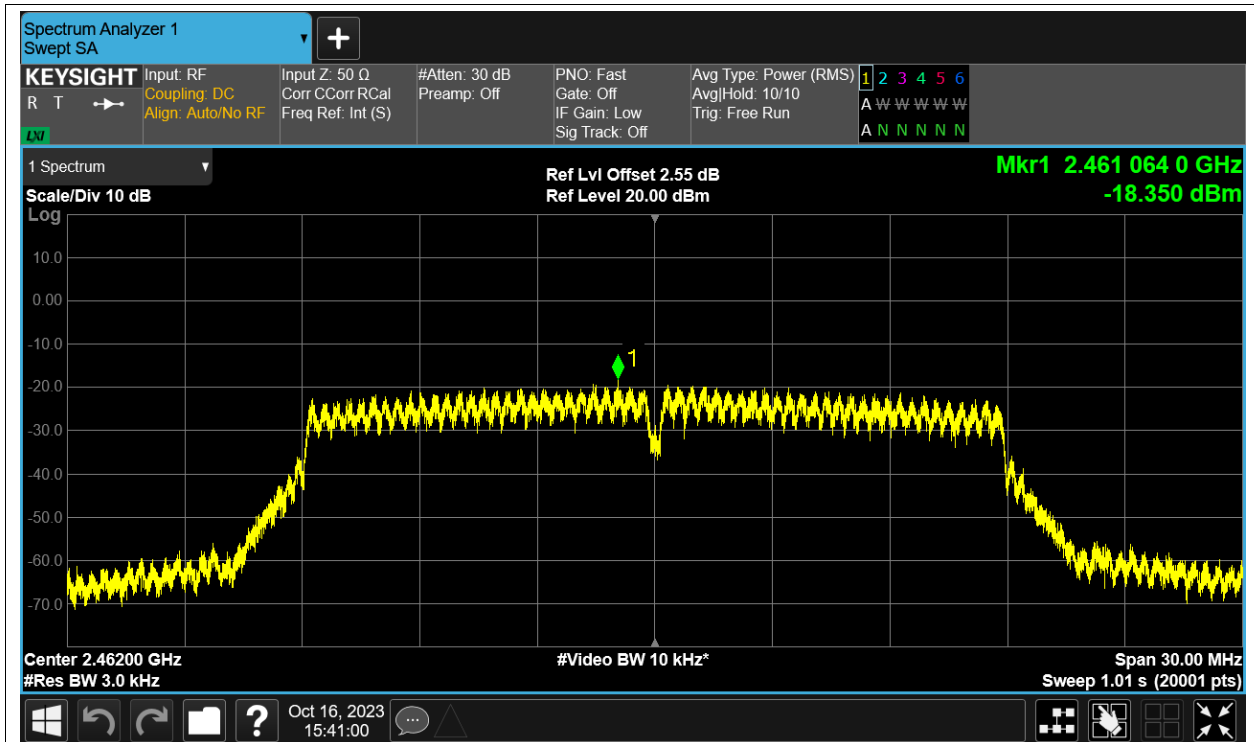
PSD NVNT n20 2412MHz Ant14



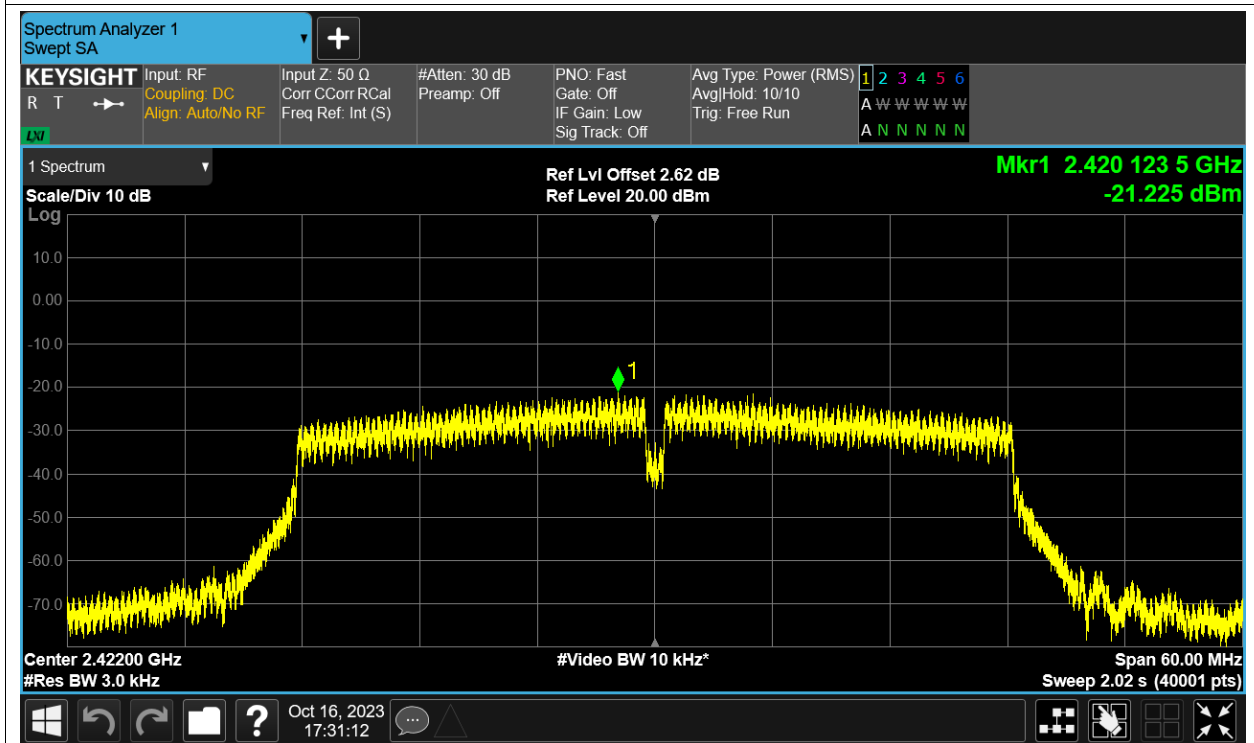
PSD NVNT n20 2437MHz Ant14



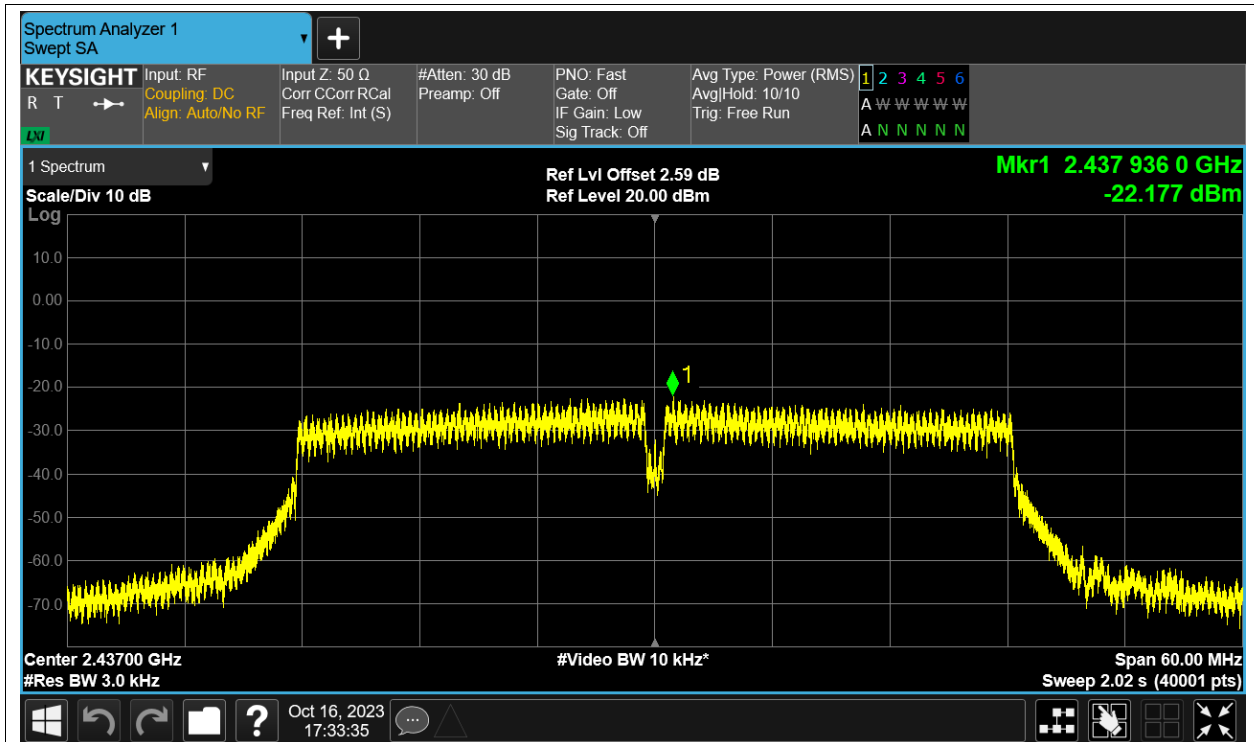
PSD NVNT n20 2462MHz Ant14



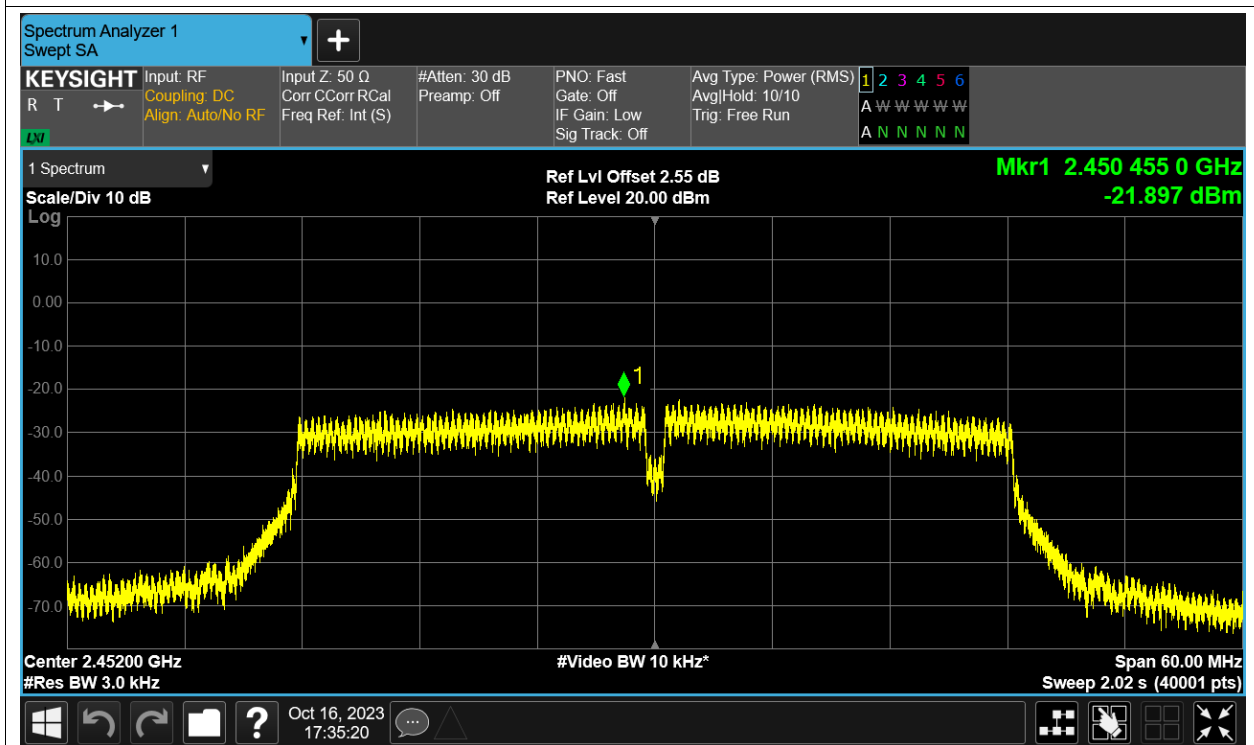
PSD NVNT n40 2422MHz Ant14



PSD NVNT n40 2437MHz Ant14



PSD NVNT n40 2452MHz Ant14

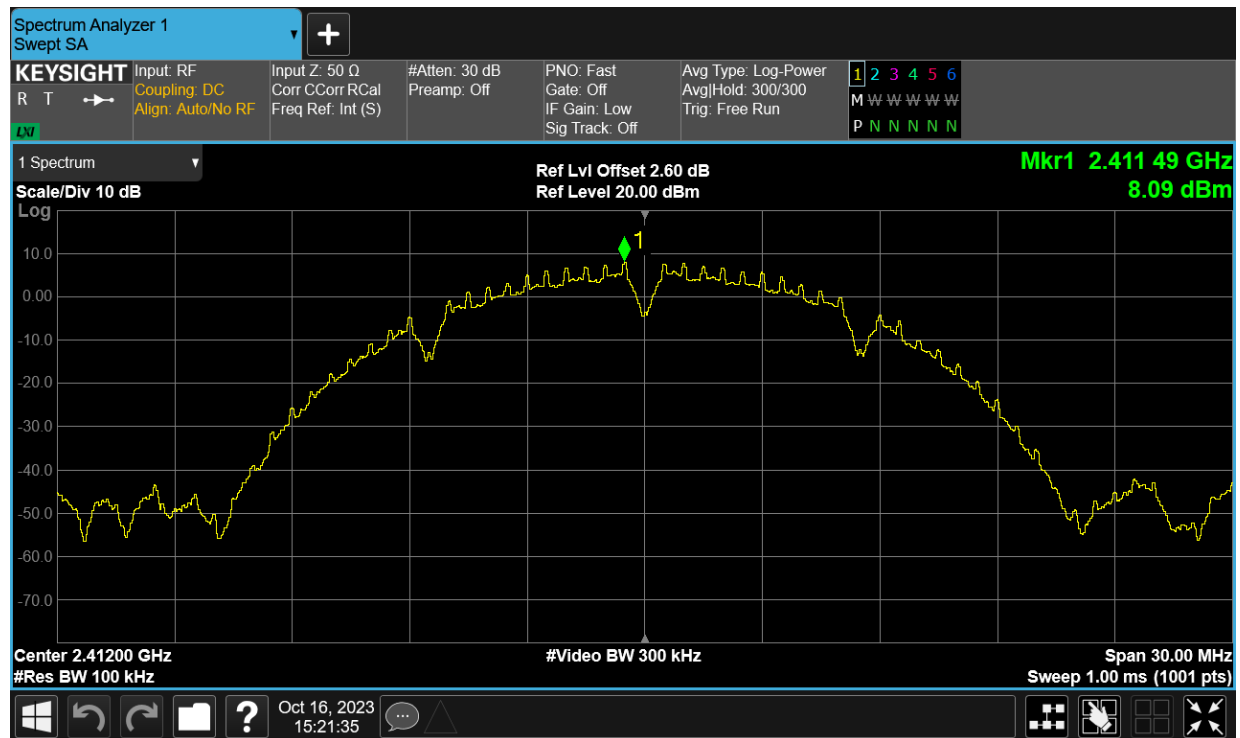


## Band Edge

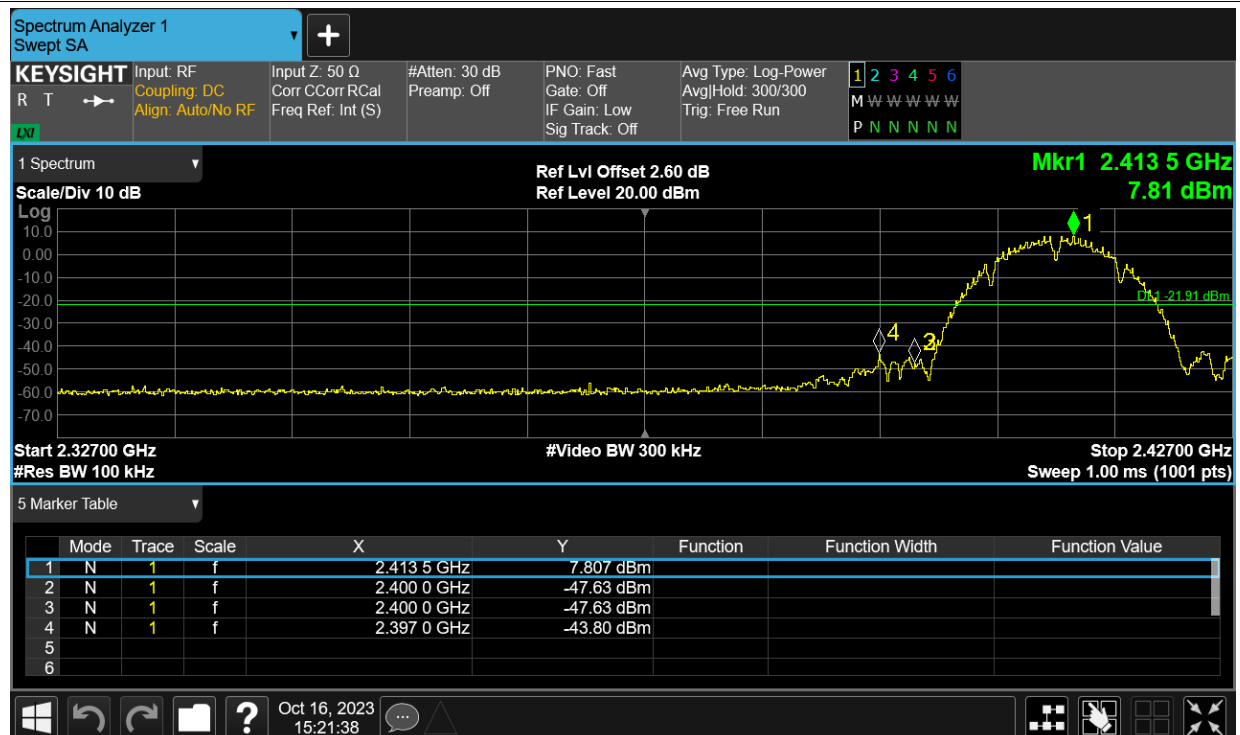
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b    | 2412            | Ant14   | -51.89          | -30         | Pass    |
| NVNT      | b    | 2462            | Ant14   | -62.39          | -30         | Pass    |
| NVNT      | g    | 2412            | Ant14   | -37.28          | -30         | Pass    |
| NVNT      | g    | 2462            | Ant14   | -50.73          | -30         | Pass    |
| NVNT      | n20  | 2412            | Ant14   | -37.67          | -30         | Pass    |
| NVNT      | n20  | 2462            | Ant14   | -49.4           | -30         | Pass    |
| NVNT      | n40  | 2422            | Ant14   | -39.14          | -30         | Pass    |
| NVNT      | n40  | 2452            | Ant14   | -41.49          | -30         | Pass    |

## Test Graphs

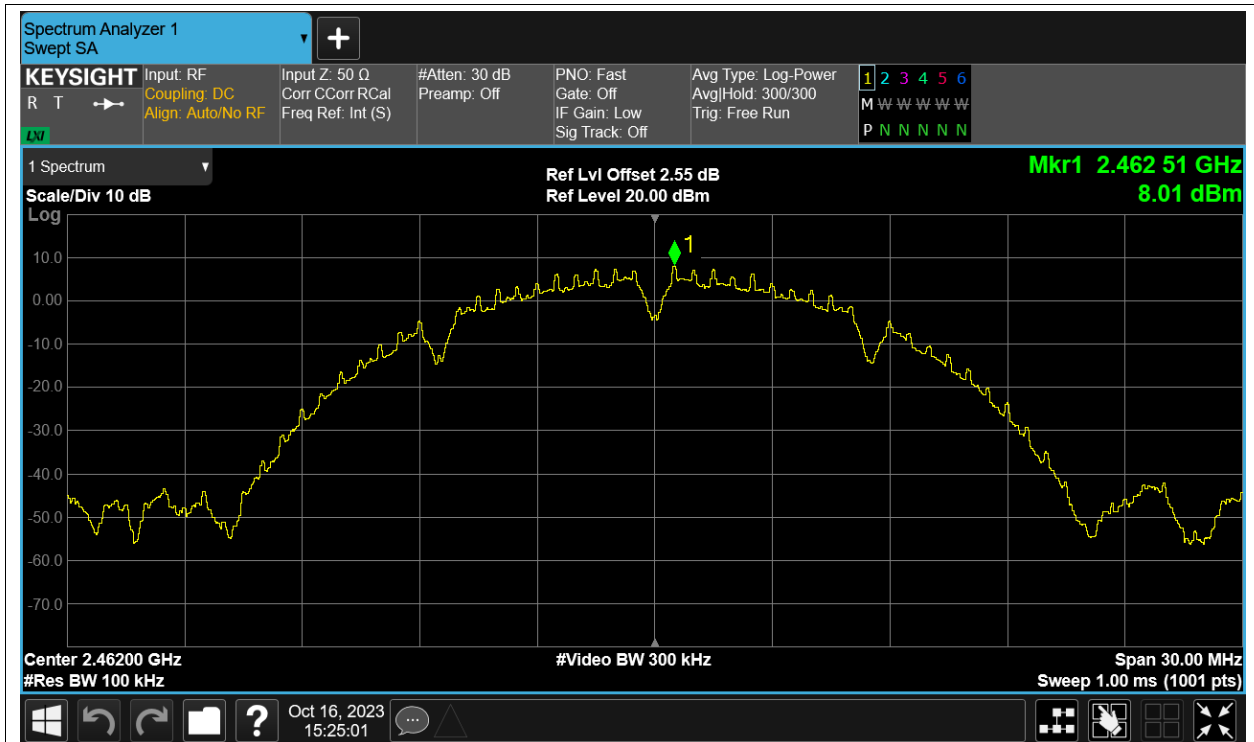
## Band Edge NVNT b 2412MHz Ant14 Ref



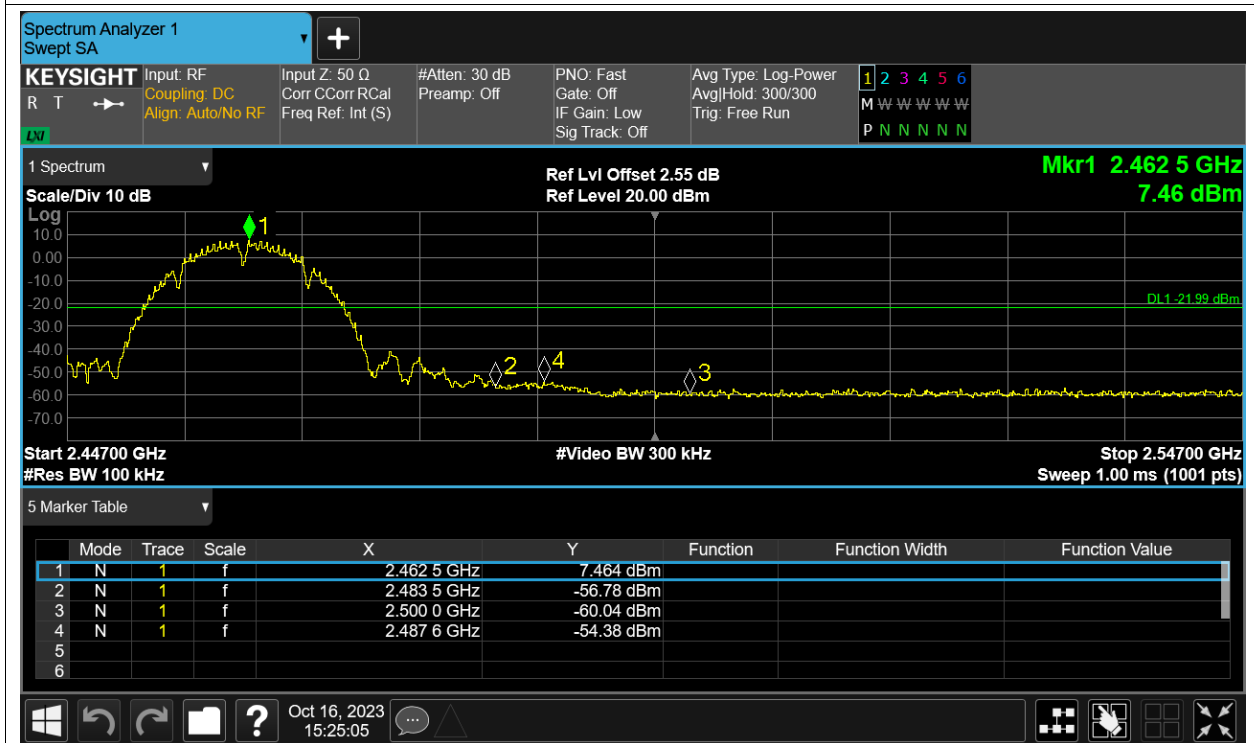
## Band Edge NVNT b 2412MHz Ant14 Emission



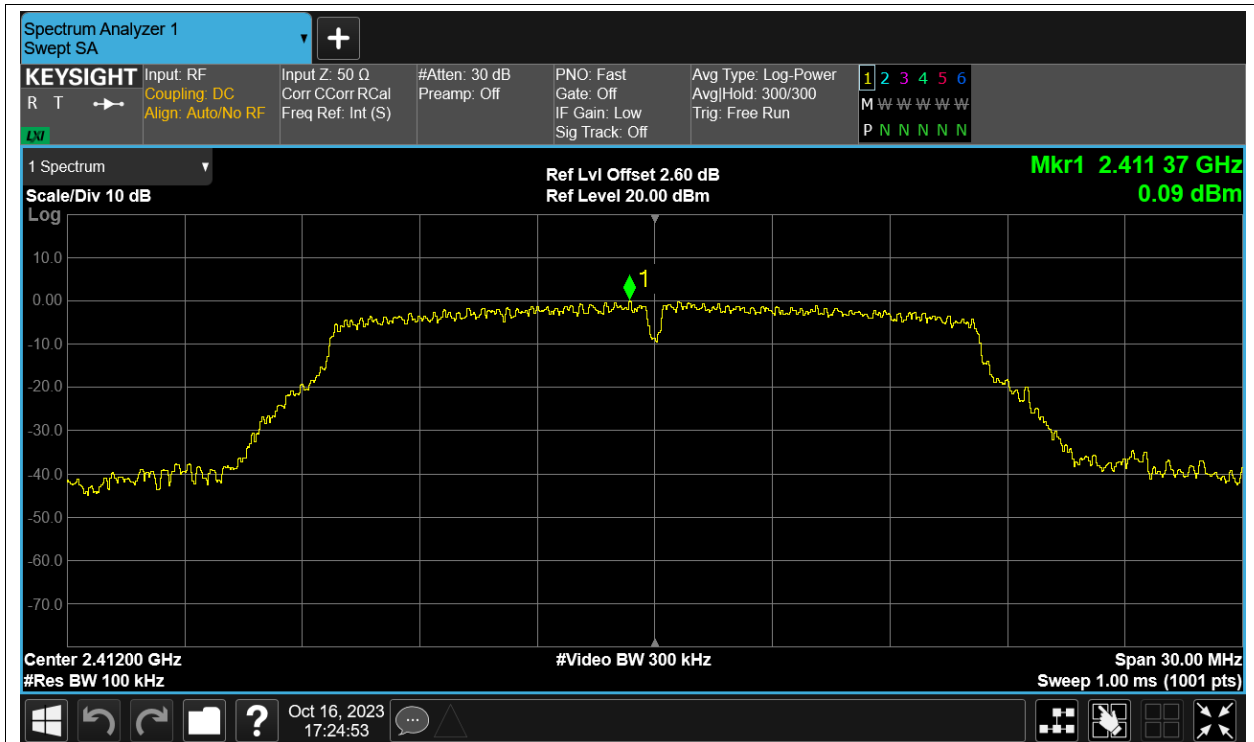
## Band Edge NVNT b 2462MHz Ant14 Ref



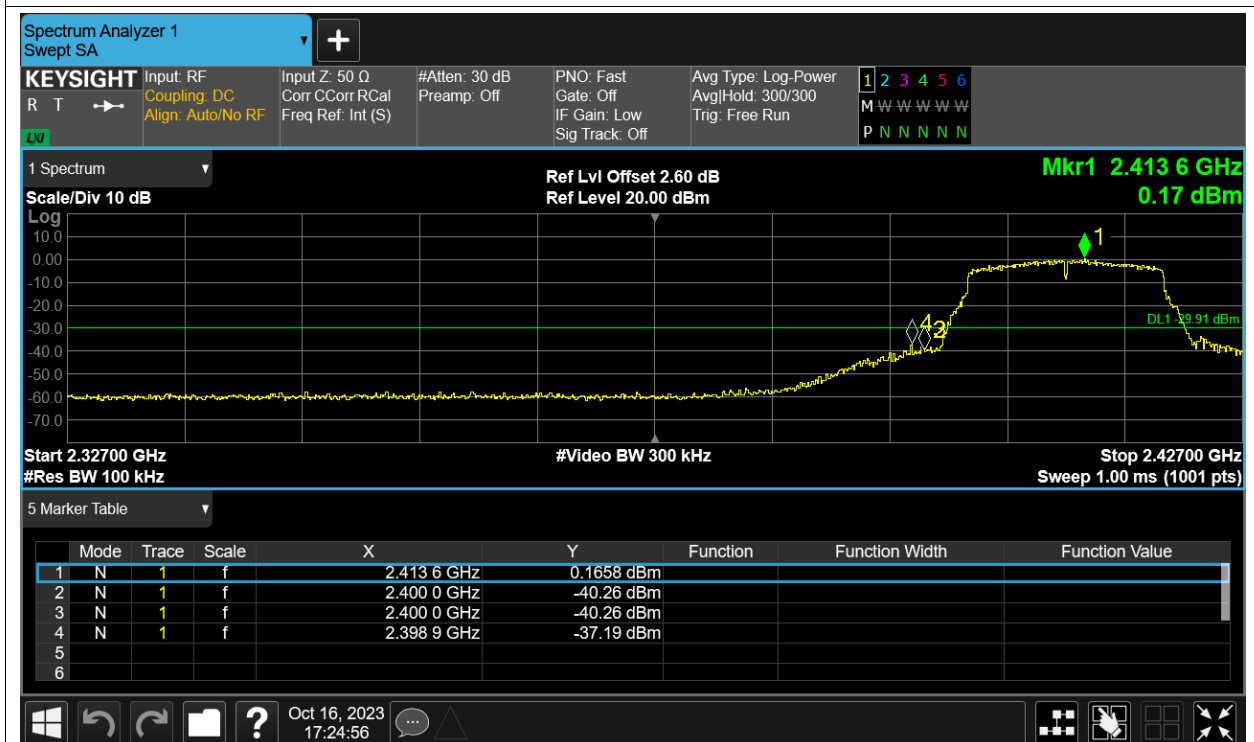
Band Edge NVNT b 2462MHz Ant14 Emission



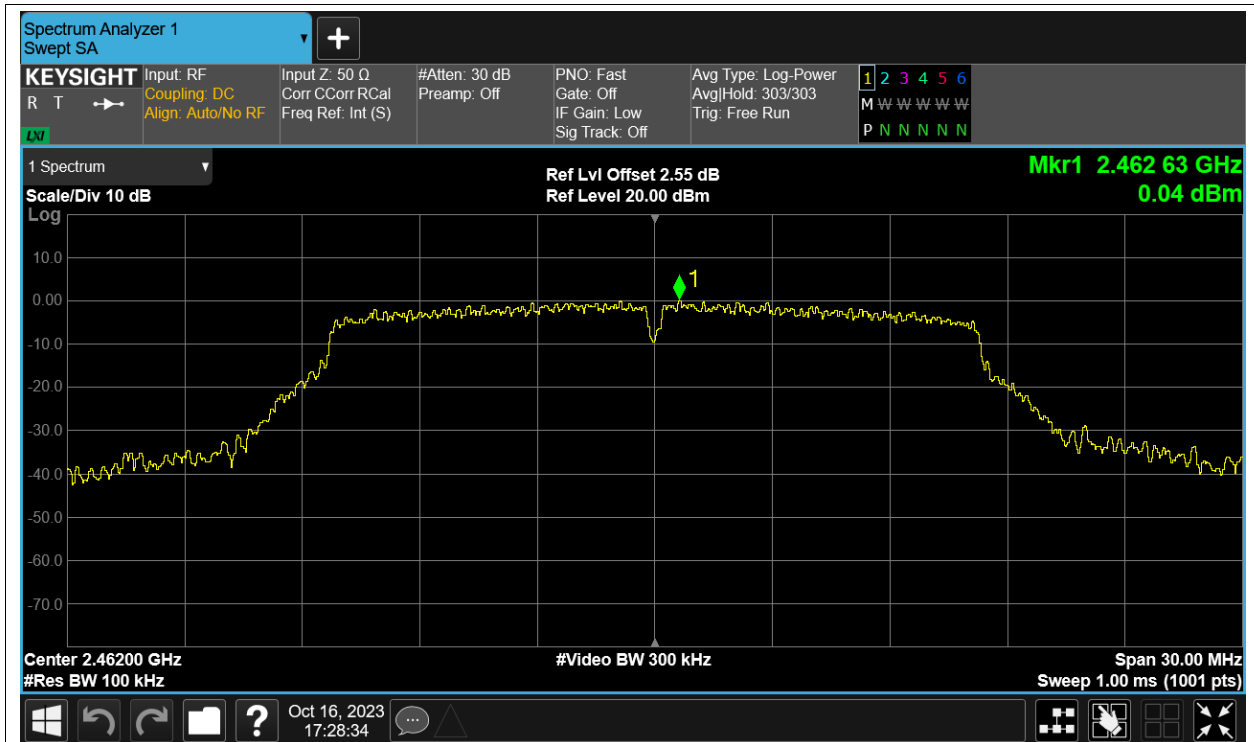
Band Edge NVNT g 2412MHz Ant14 Ref



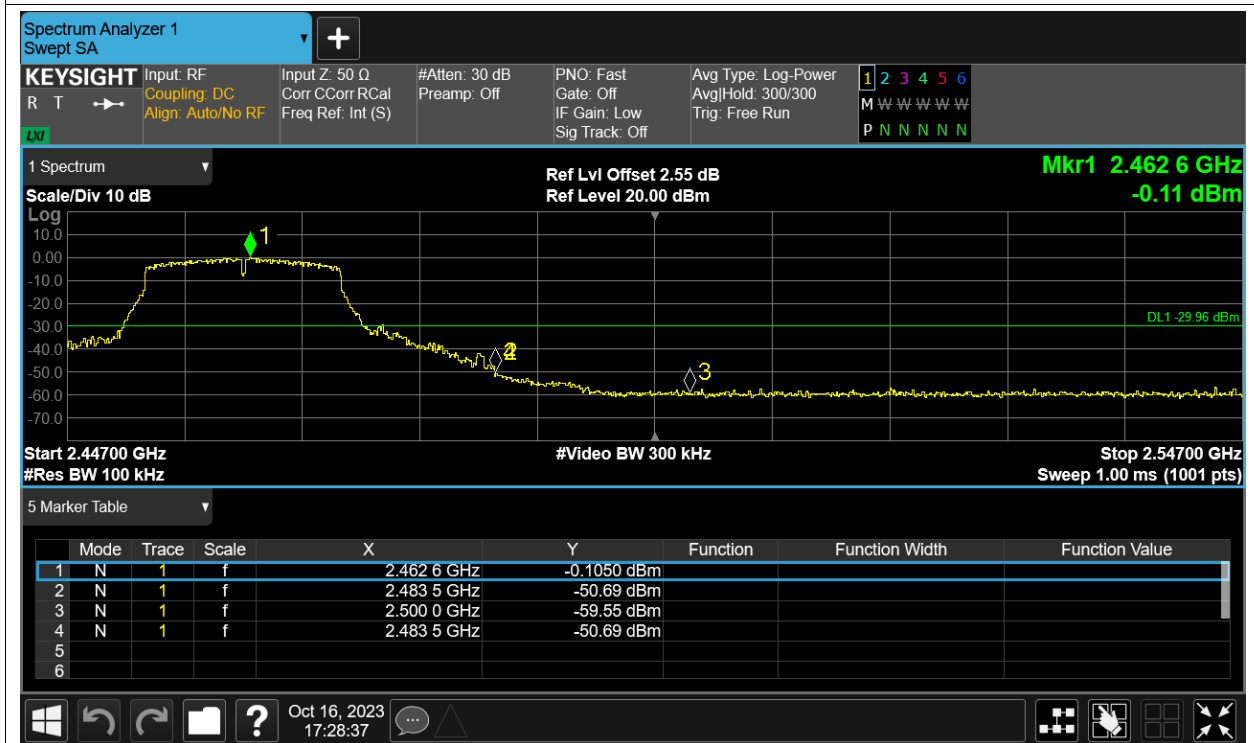
Band Edge NVNT g 2412MHz Ant14 Emission



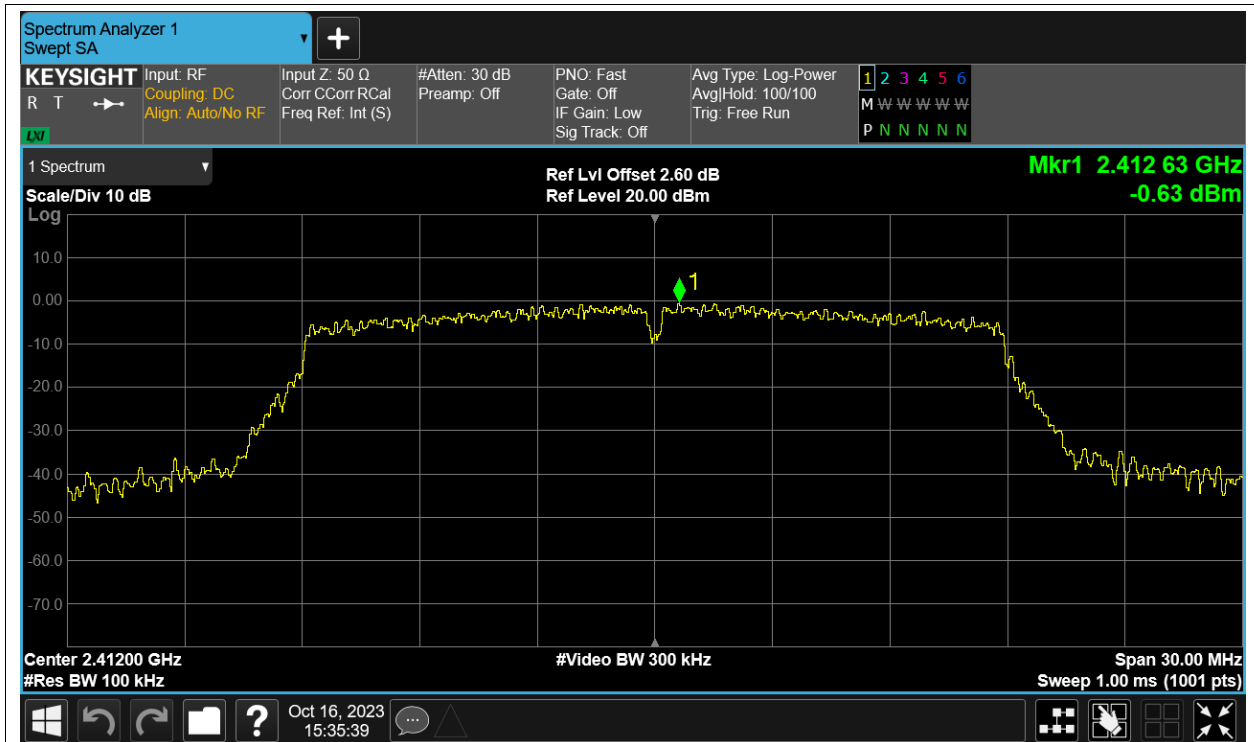
Band Edge NVNT g 2462MHz Ant14 Ref



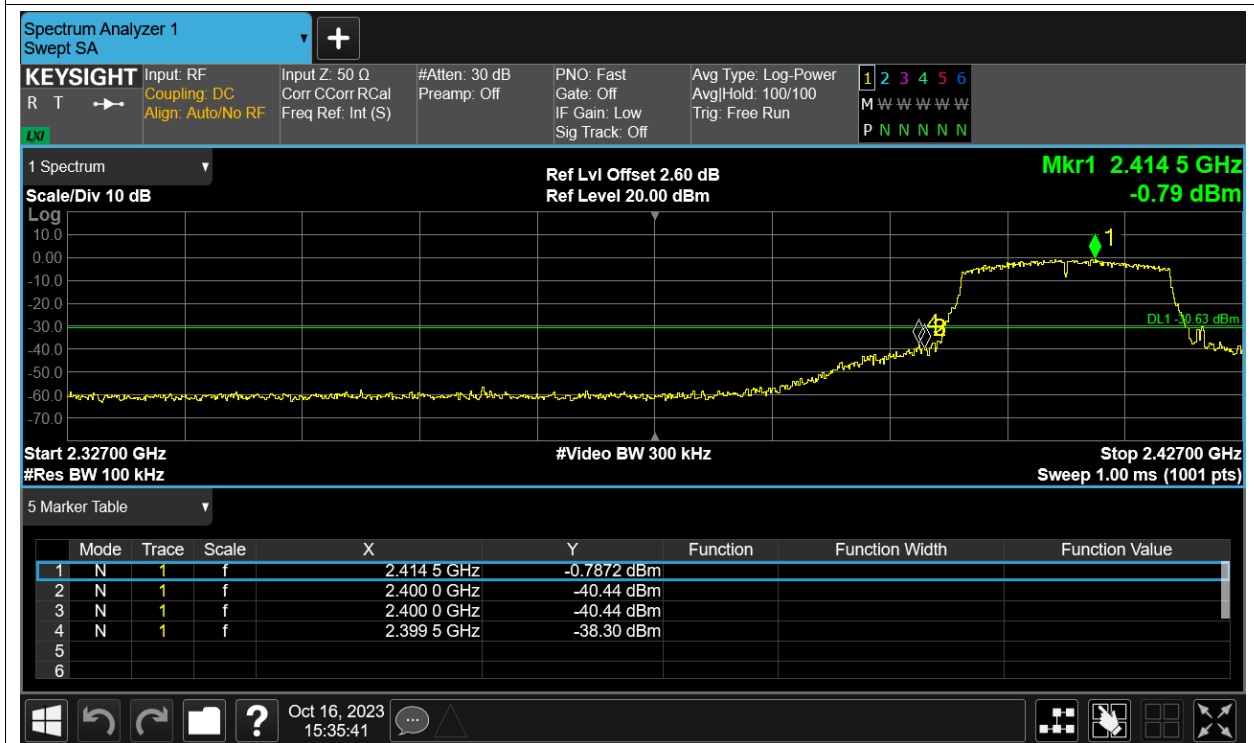
Band Edge NVNT g 2462MHz Ant14 Emission



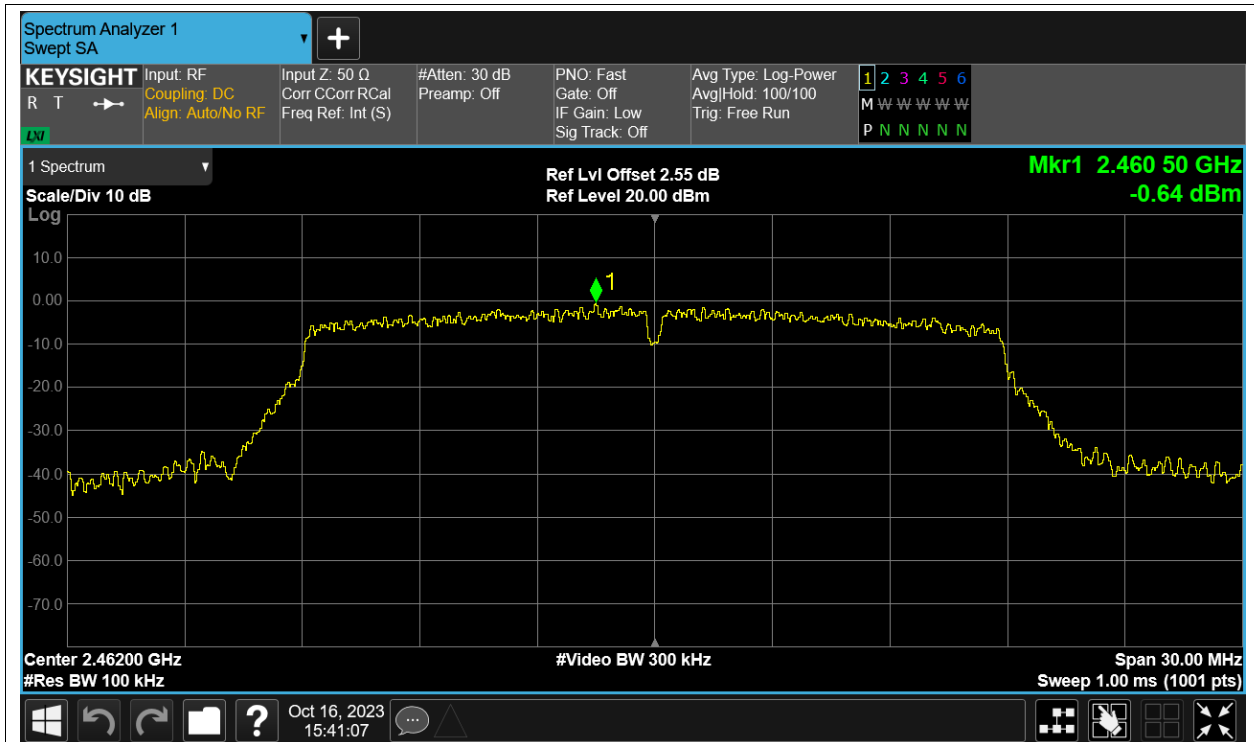
Band Edge NVNT n20 2412MHz Ant14 Ref



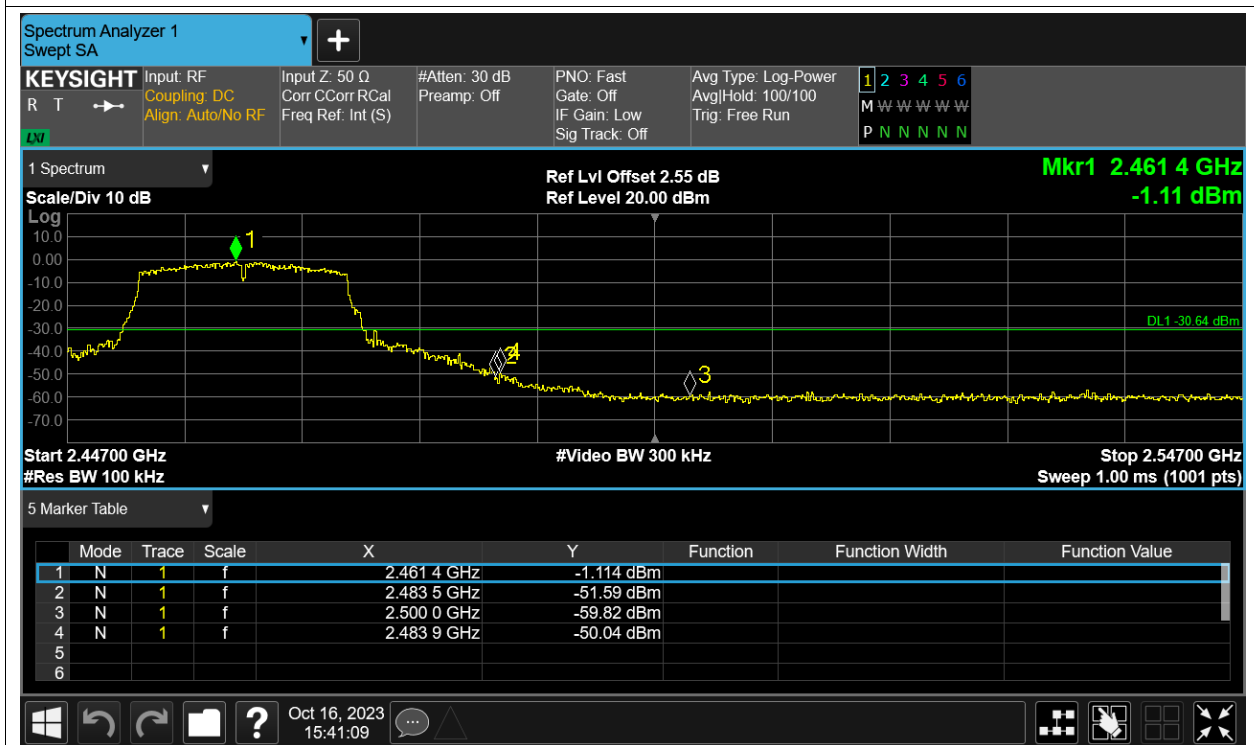
Band Edge NVNT n20 2412MHz Ant14 Emission



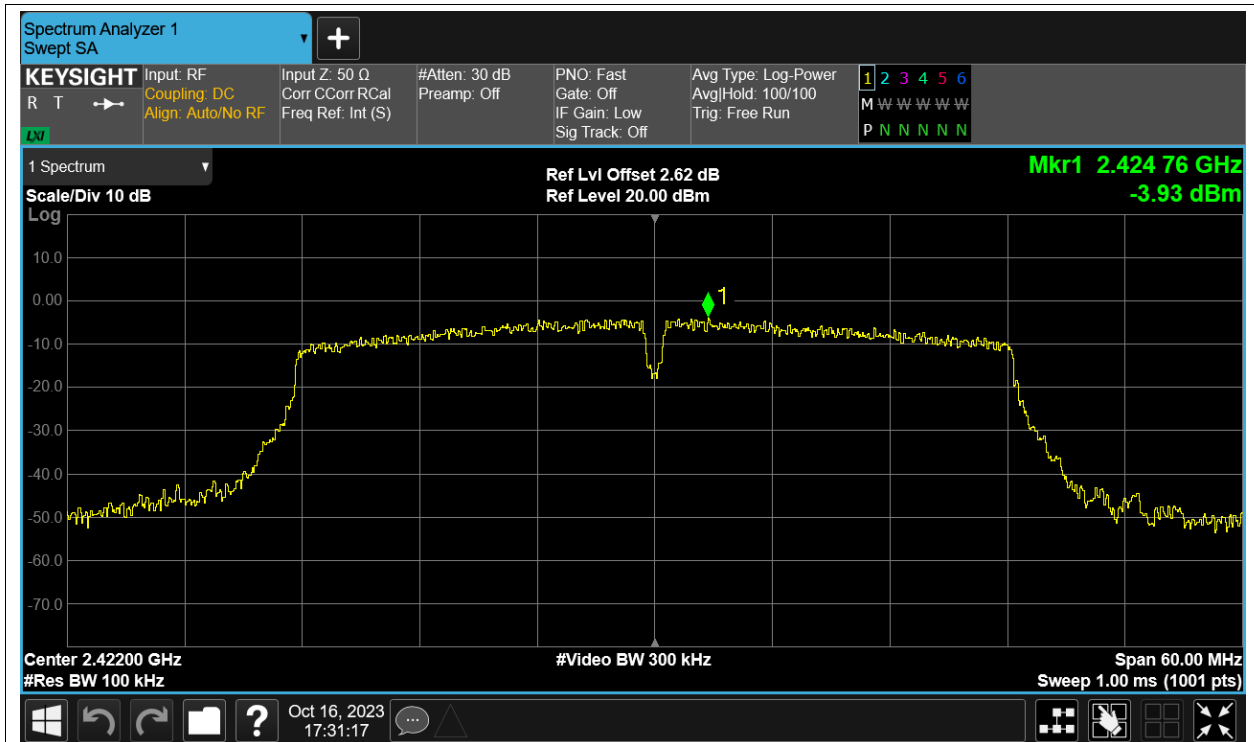
Band Edge NVNT n20 2462MHz Ant14 Ref



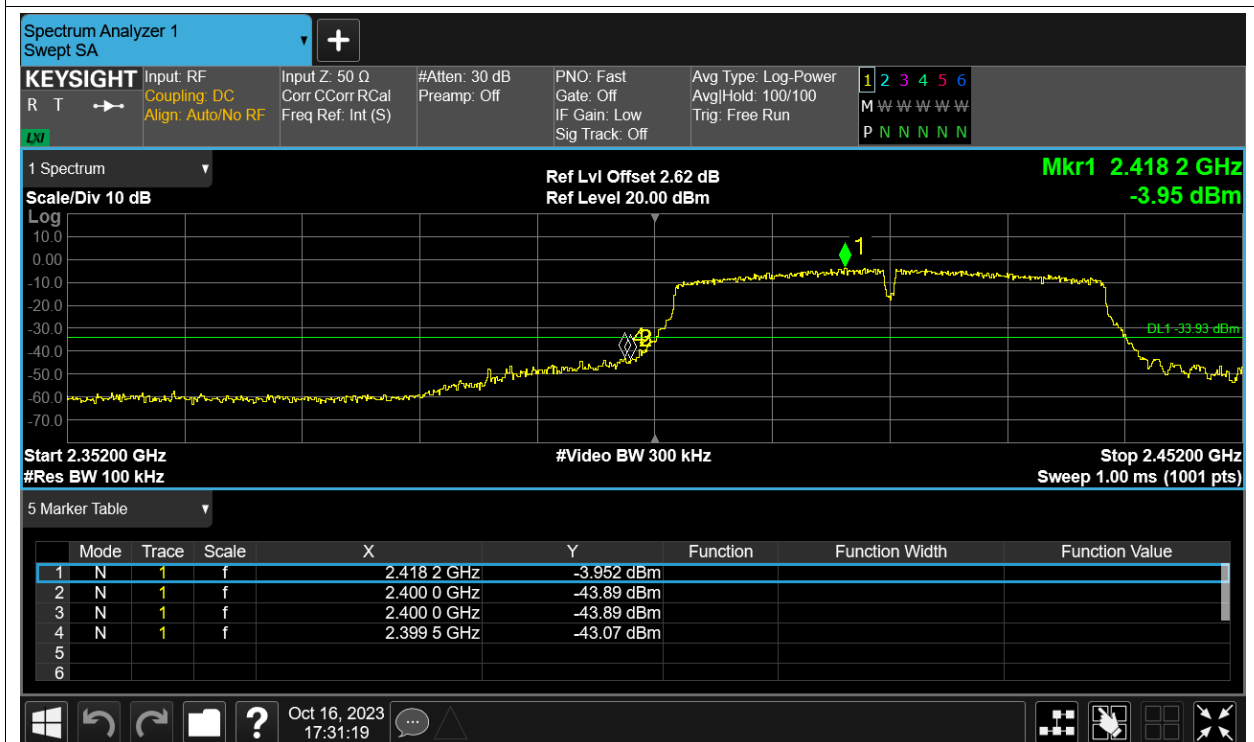
Band Edge NVNT n20 2462MHz Ant14 Emission



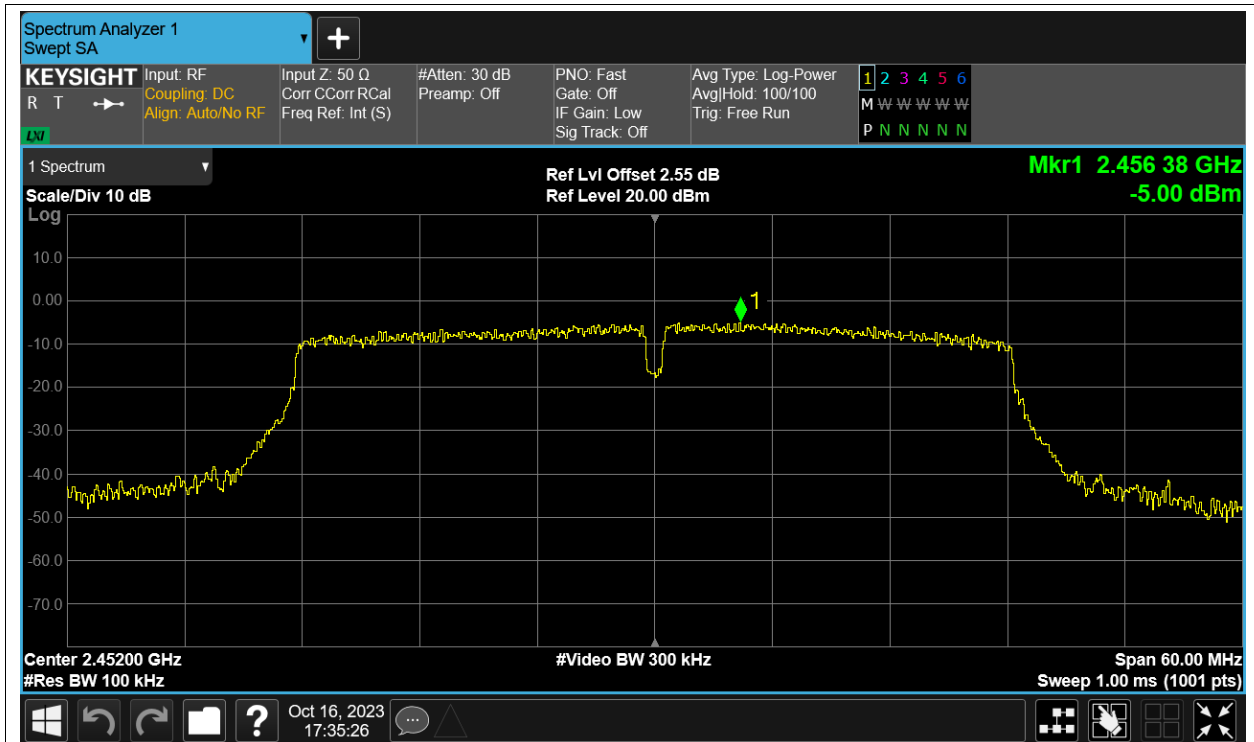
Band Edge NVNT n40 2422MHz Ant14 Ref



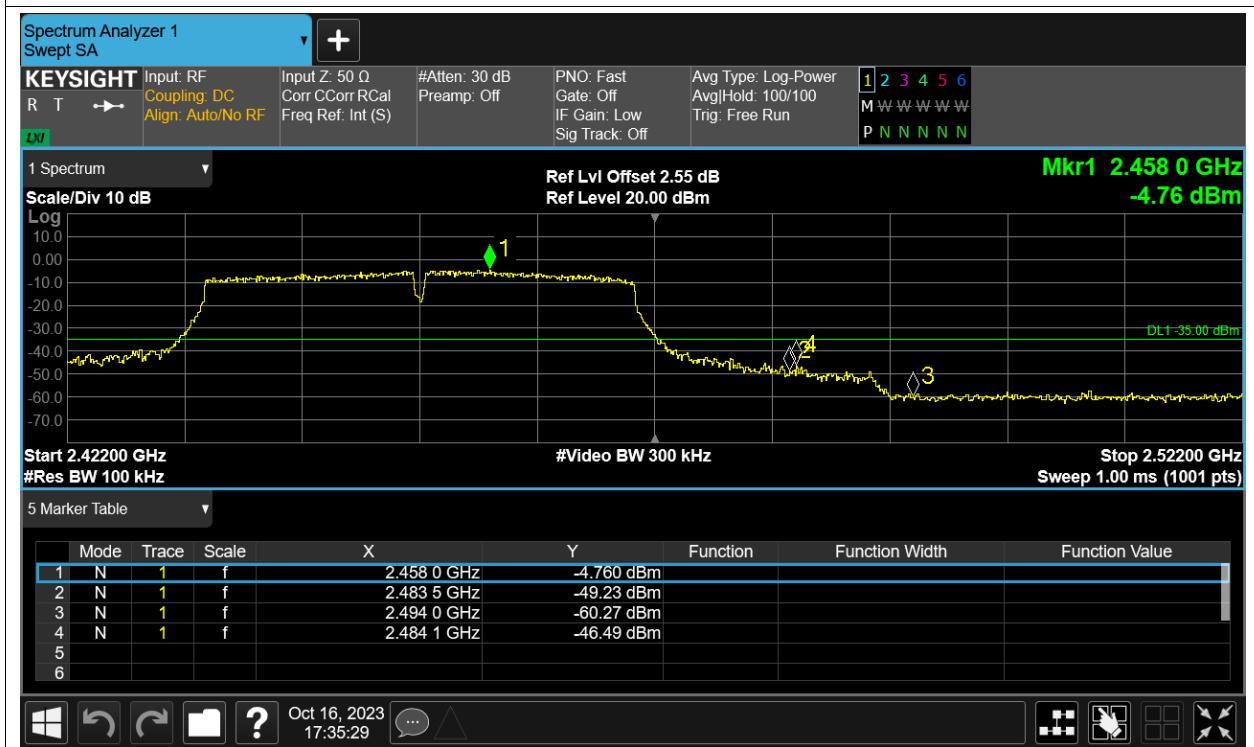
Band Edge NVNT n40 2422MHz Ant14 Emission



Band Edge NVNT n40 2452MHz Ant14 Ref



Band Edge NVNT n40 2452MHz Ant14 Emission

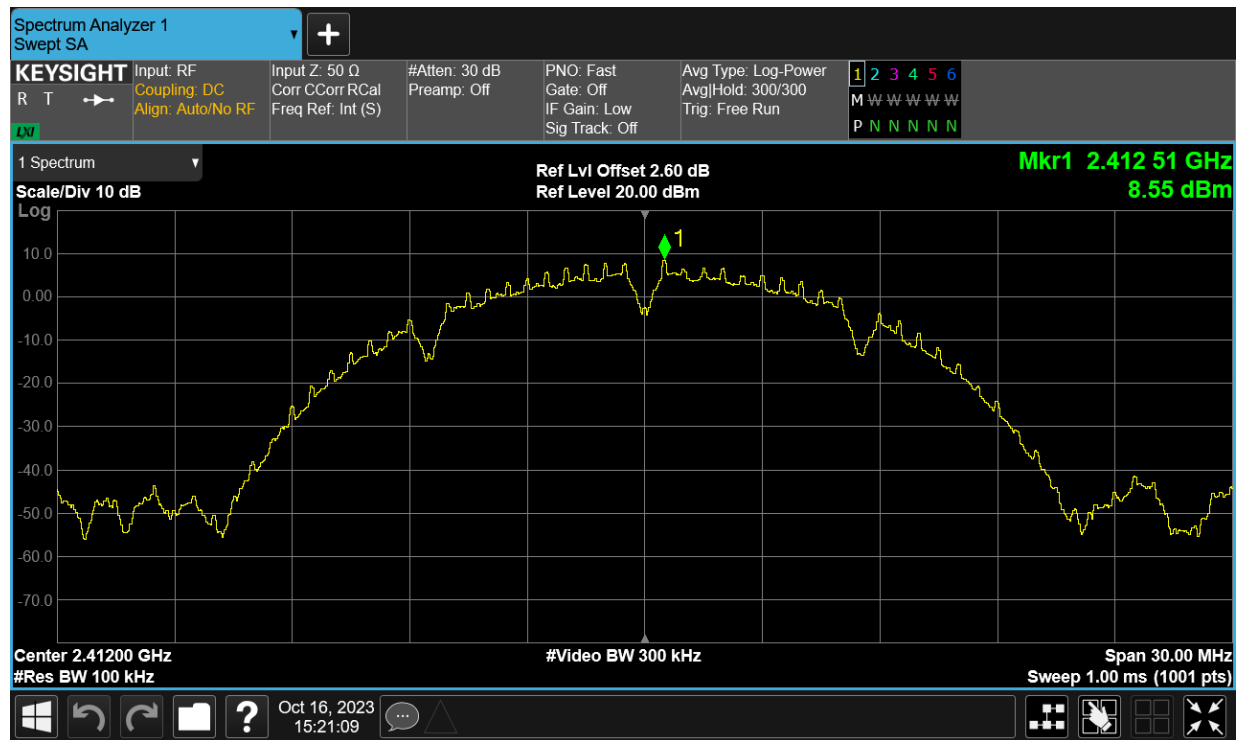


## Conducted RF Spurious Emission

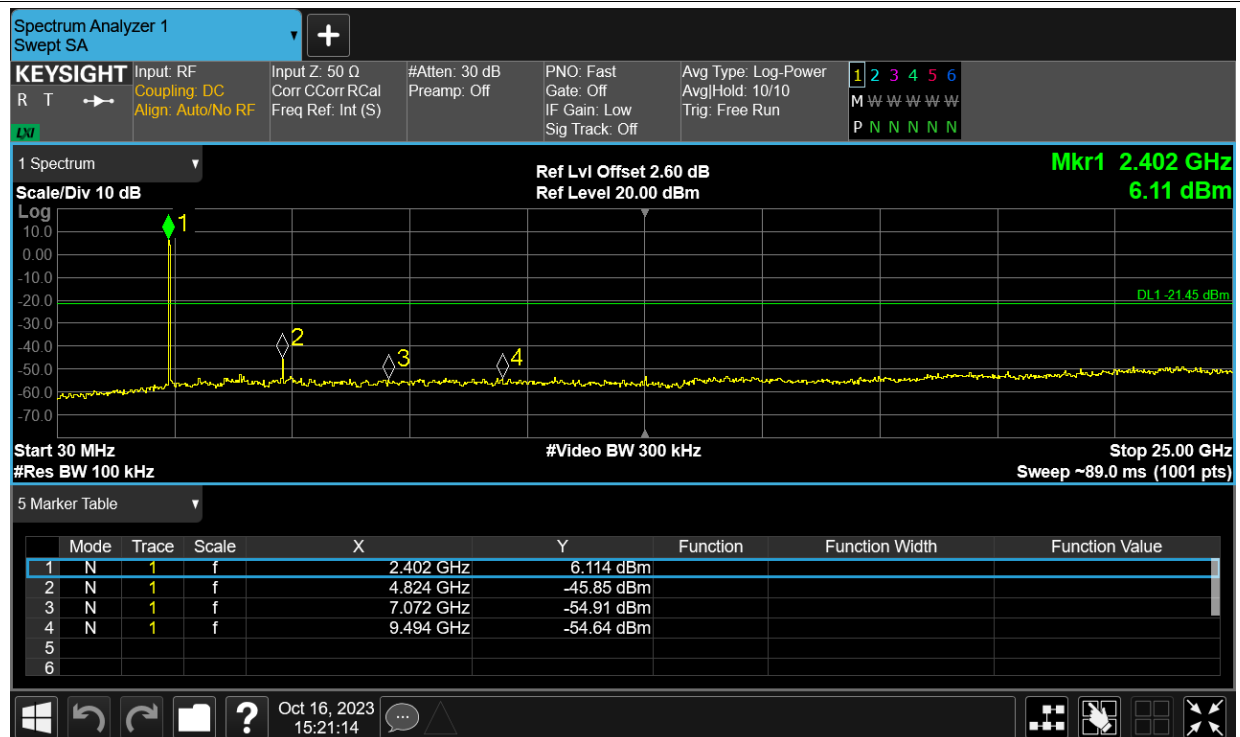
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | b    | 2412            | Ant14   | -54.4           | -30         | Pass    |
| NVNT      | b    | 2437            | Ant14   | -49.7           | -30         | Pass    |
| NVNT      | b    | 2462            | Ant14   | -54.38          | -30         | Pass    |
| NVNT      | g    | 2412            | Ant14   | -48.97          | -30         | Pass    |
| NVNT      | g    | 2437            | Ant14   | -48.47          | -30         | Pass    |
| NVNT      | g    | 2462            | Ant14   | -48.78          | -30         | Pass    |
| NVNT      | n20  | 2412            | Ant14   | -47.7           | -30         | Pass    |
| NVNT      | n20  | 2437            | Ant14   | -47.3           | -30         | Pass    |
| NVNT      | n20  | 2462            | Ant14   | -47.4           | -30         | Pass    |
| NVNT      | n40  | 2422            | Ant14   | -45.03          | -30         | Pass    |
| NVNT      | n40  | 2437            | Ant14   | -43.71          | -30         | Pass    |
| NVNT      | n40  | 2452            | Ant14   | -43.72          | -30         | Pass    |

## Test Graphs

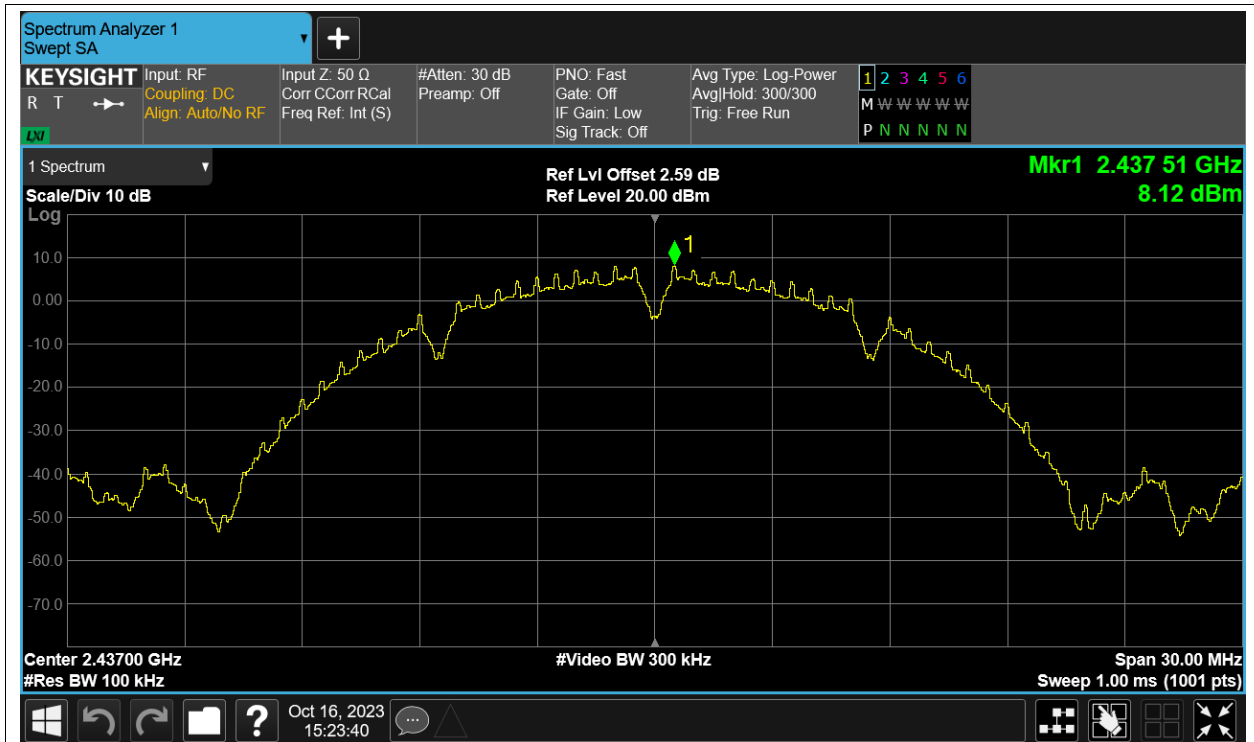
## Tx. Spurious NVNT b 2412MHz Ant14 Ref



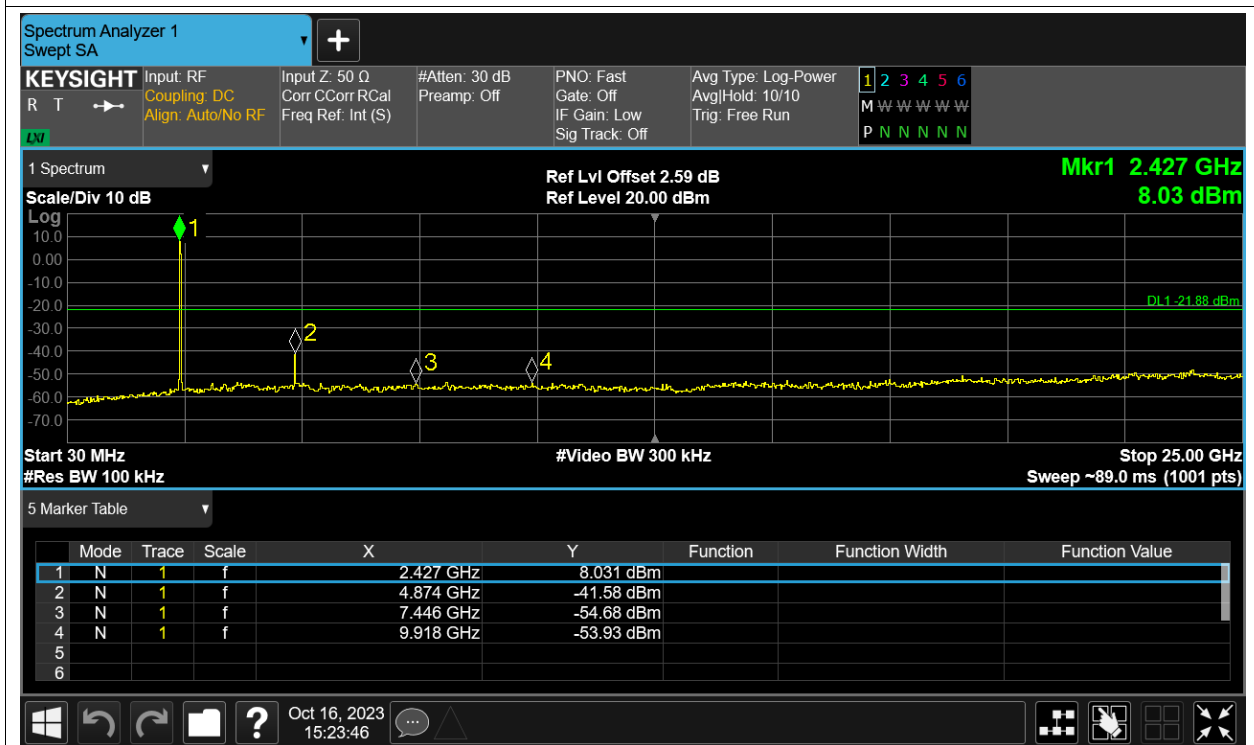
## Tx. Spurious NVNT b 2412MHz Ant14 Emission



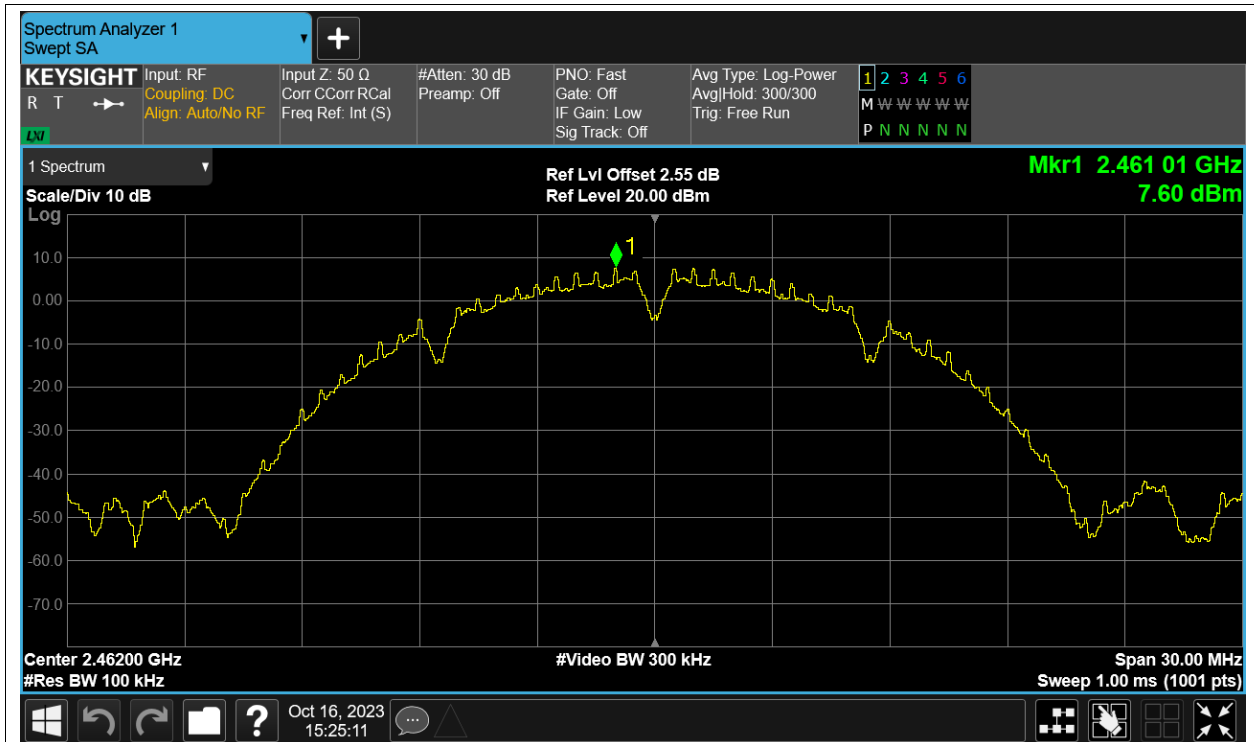
## Tx. Spurious NVNT b 2437MHz Ant14 Ref



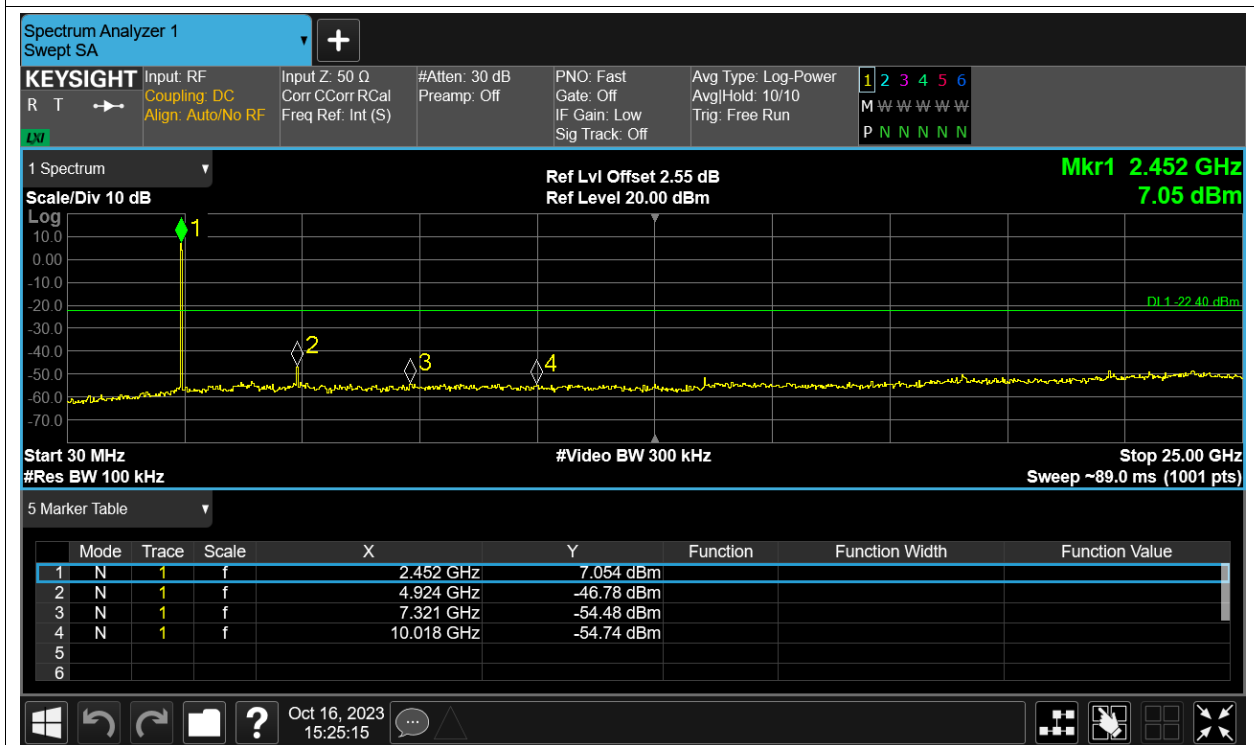
Tx. Spurious NVNT b 2437MHz Ant14 Emission



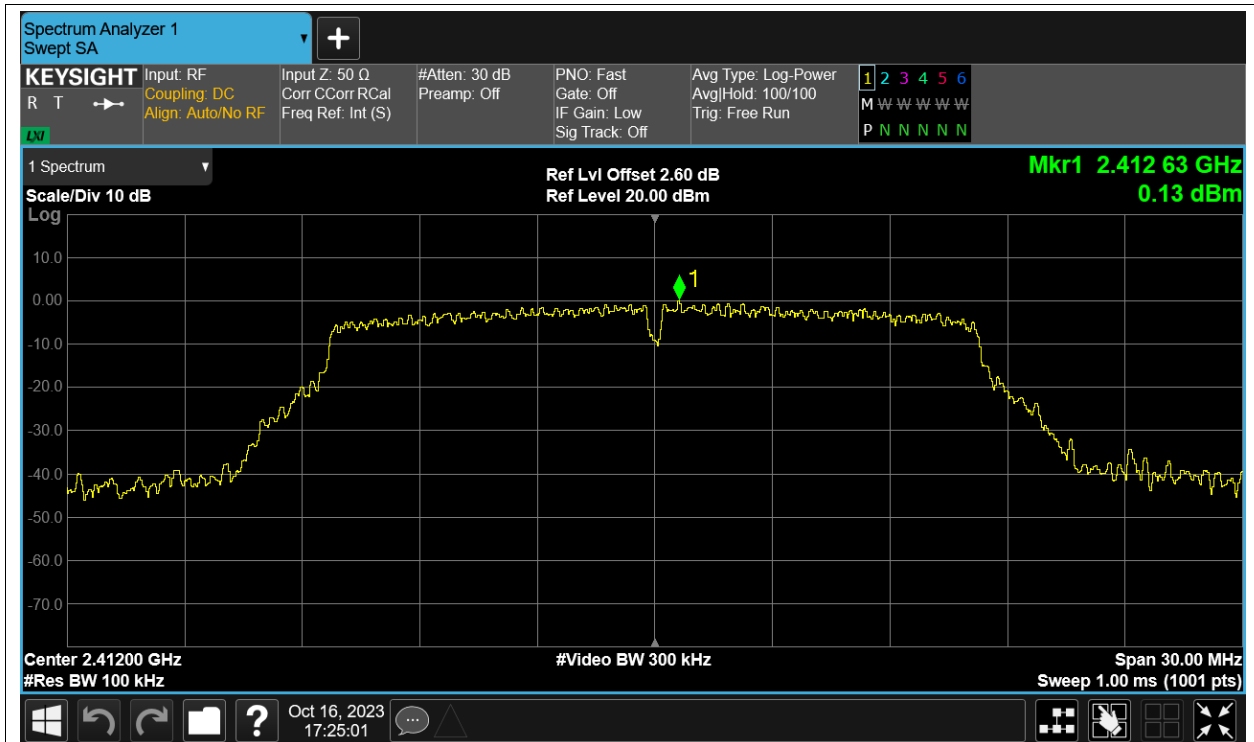
Tx. Spurious NVNT b 2462MHz Ant14 Ref



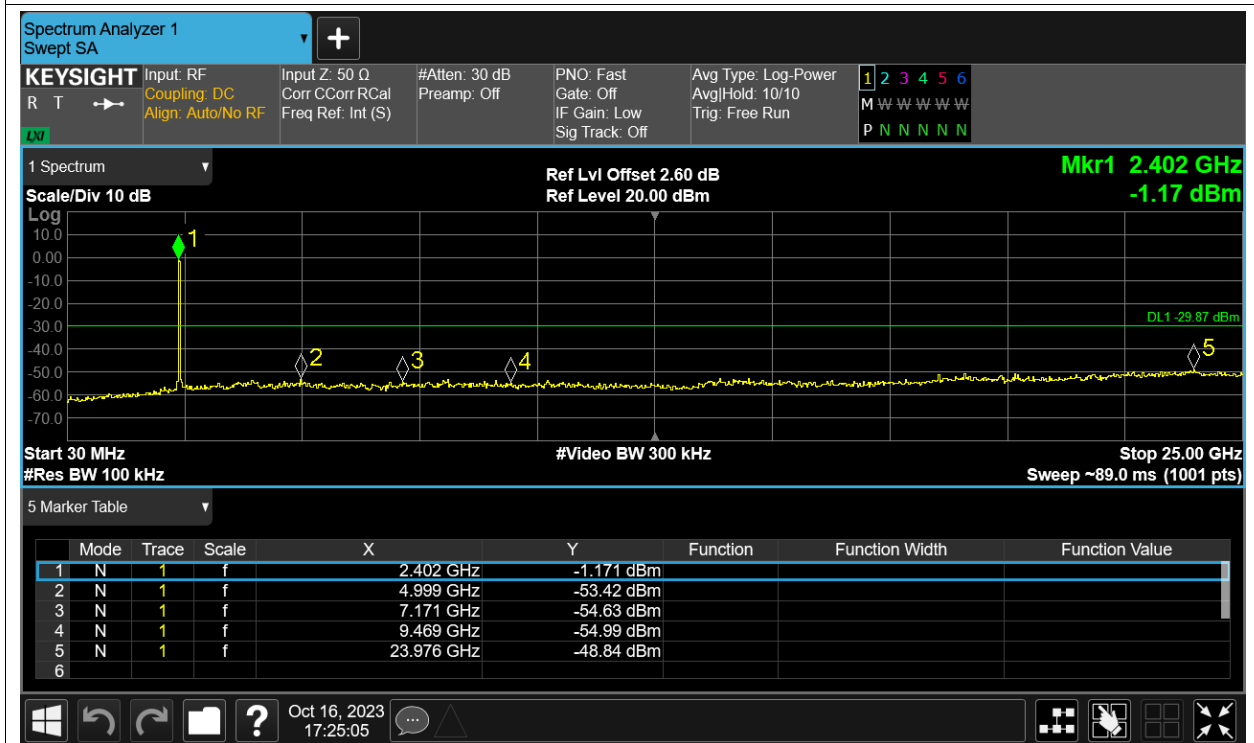
Tx. Spurious NVNT b 2462MHz Ant14 Emission



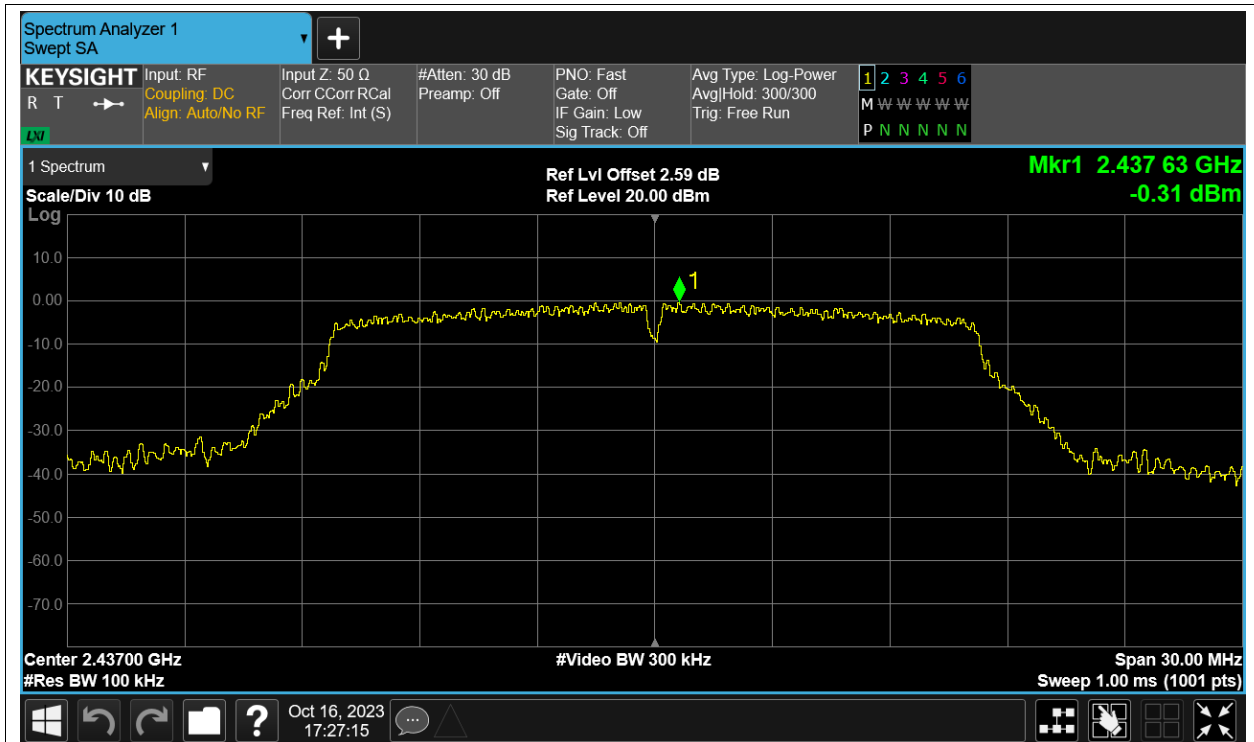
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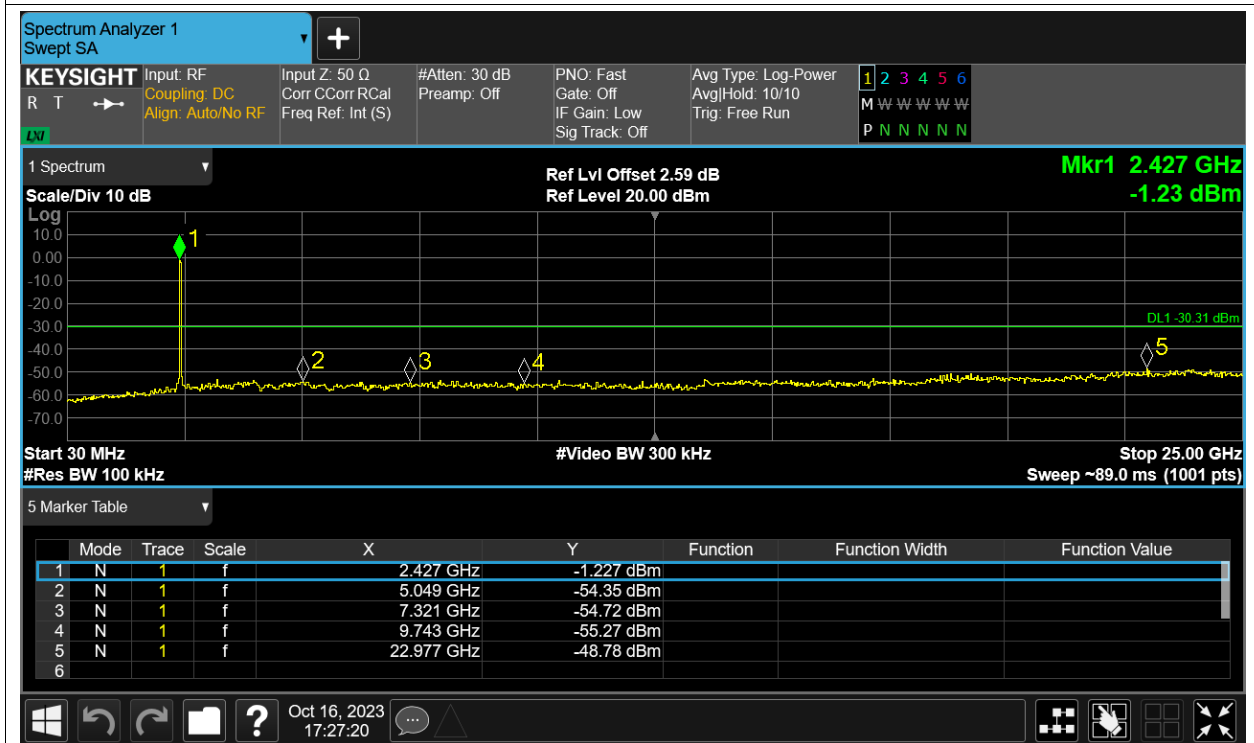
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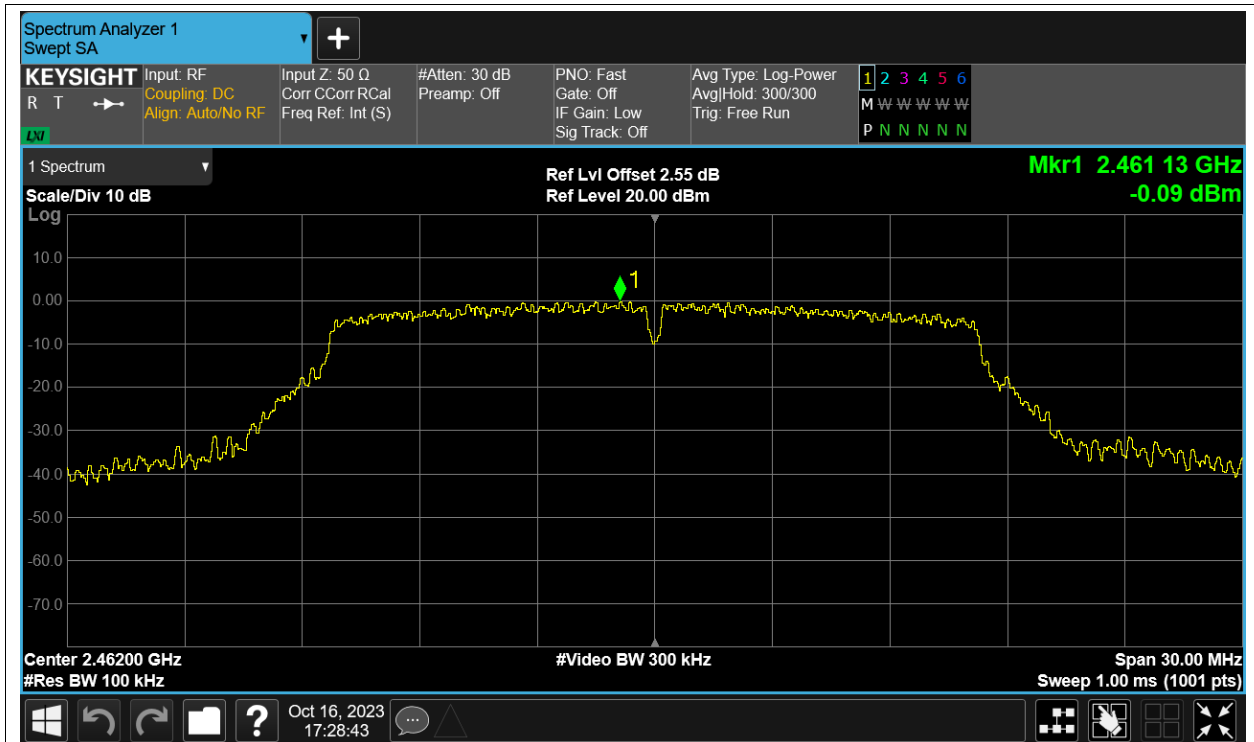
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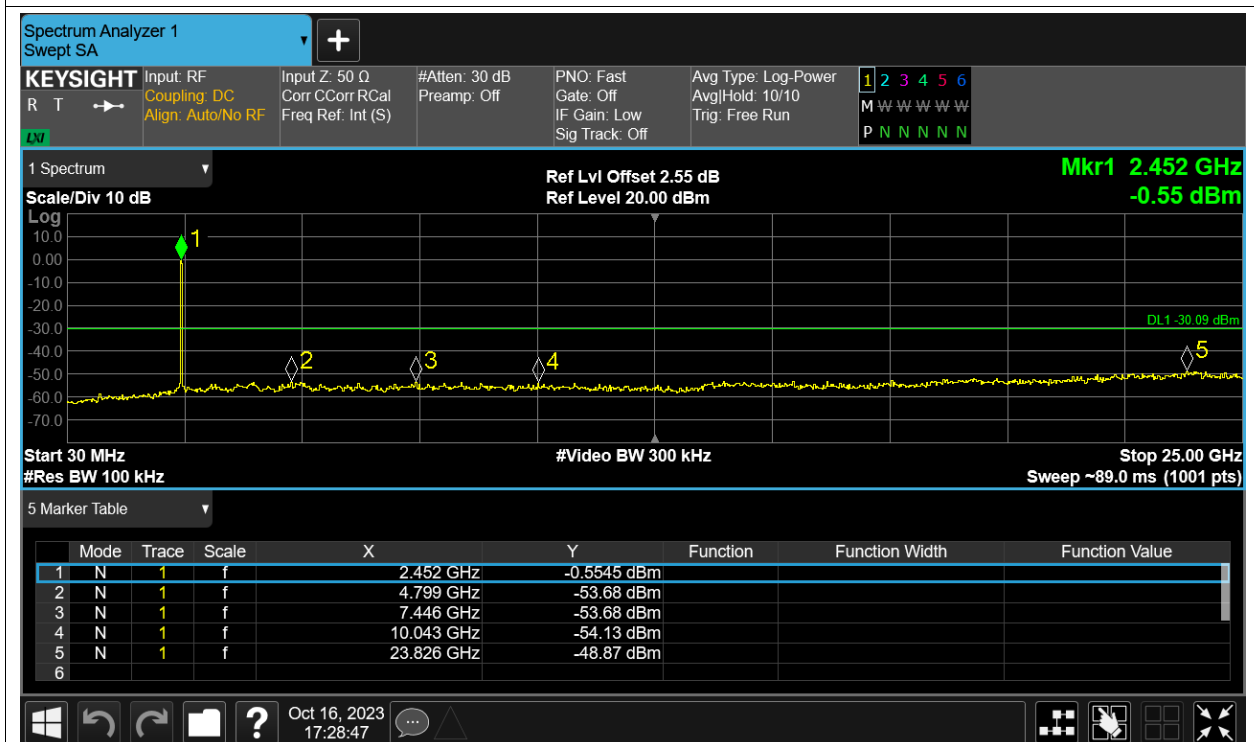
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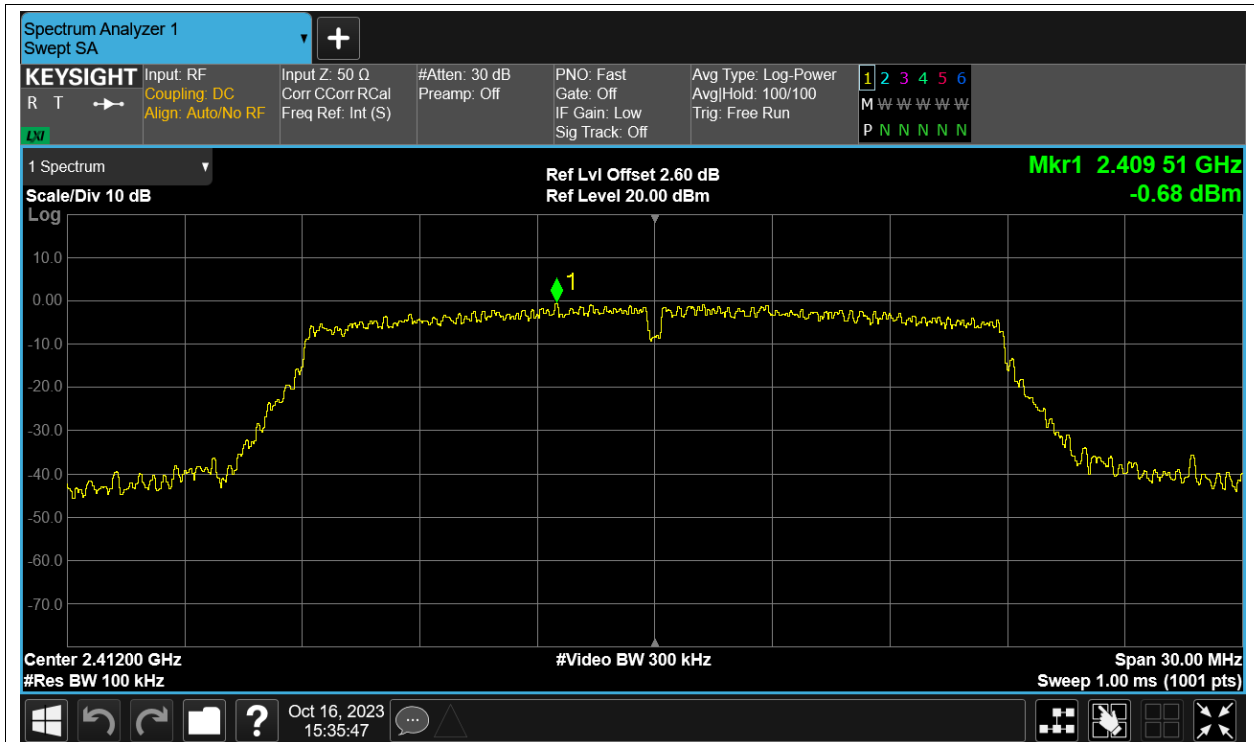
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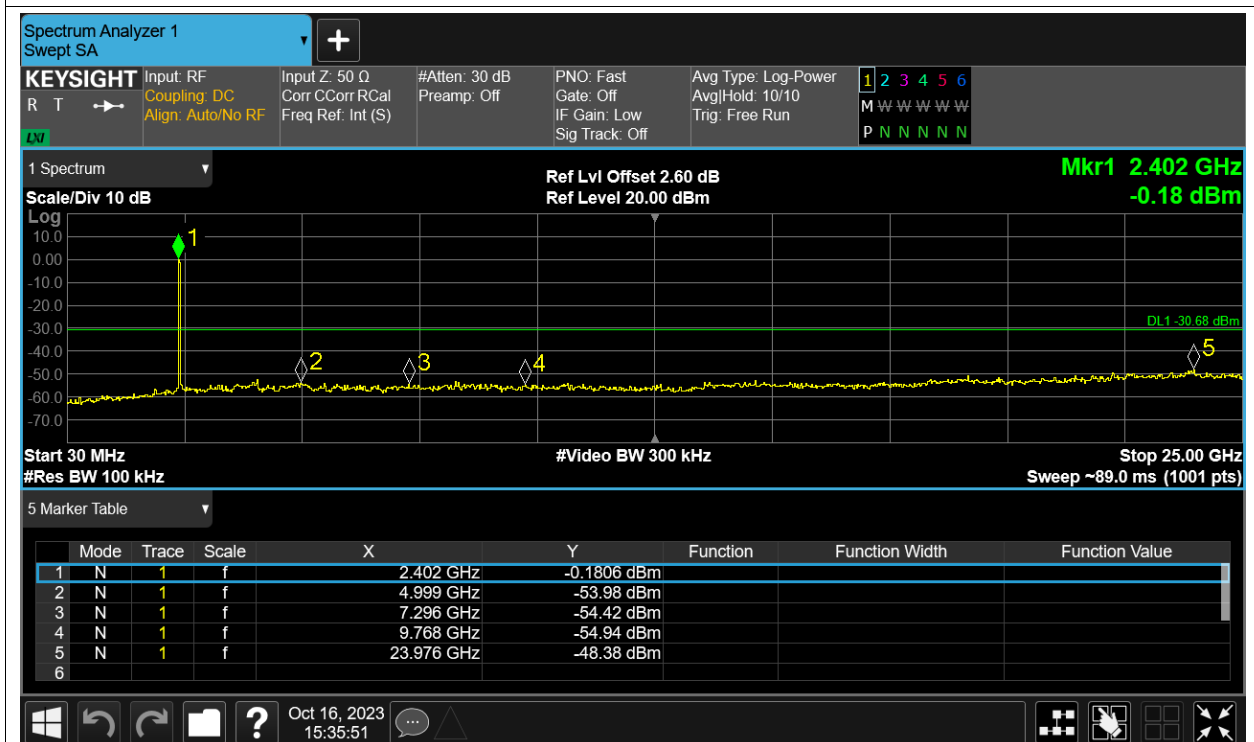
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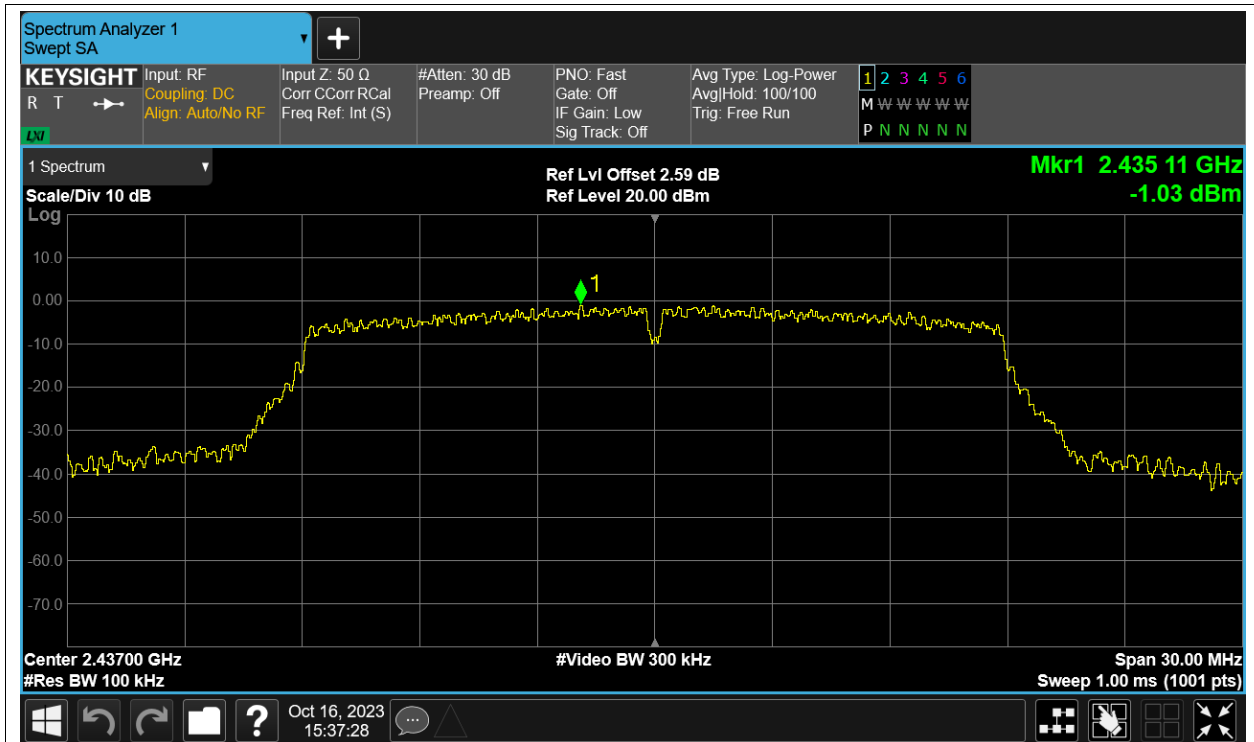
Tx. Spurious NVNT n20 2412MHz Ant14 Ref



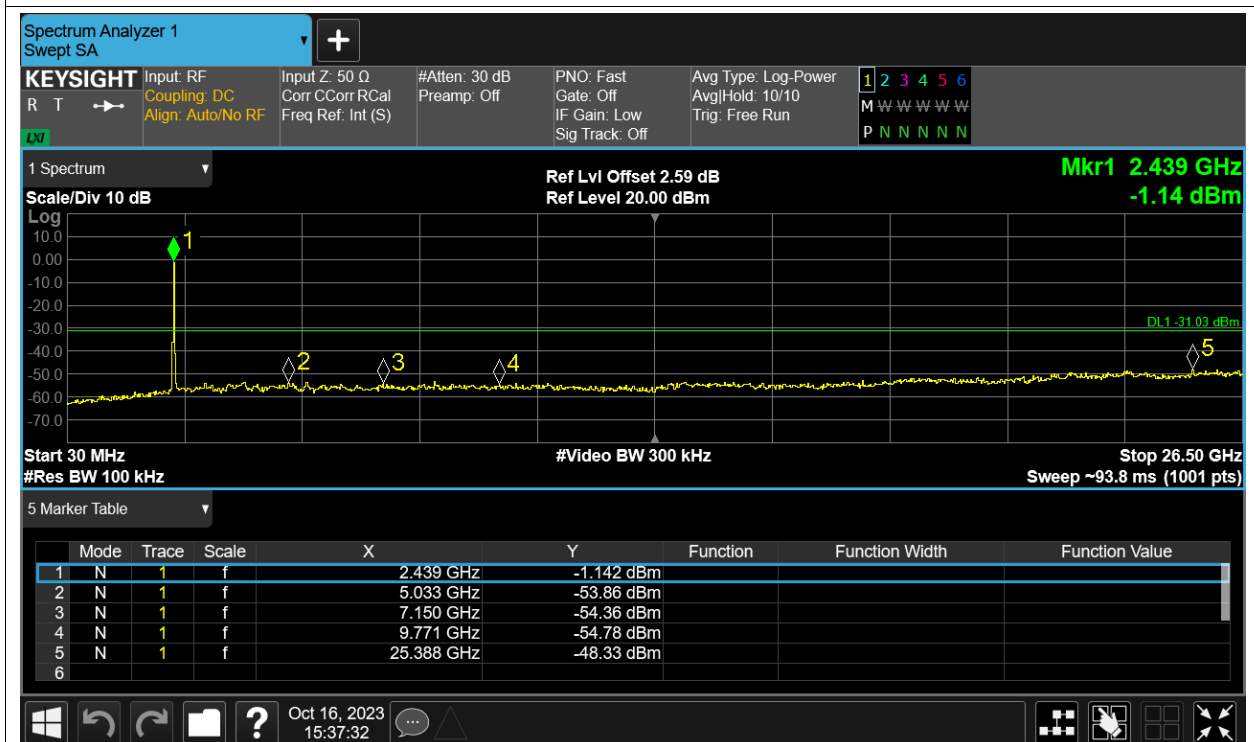
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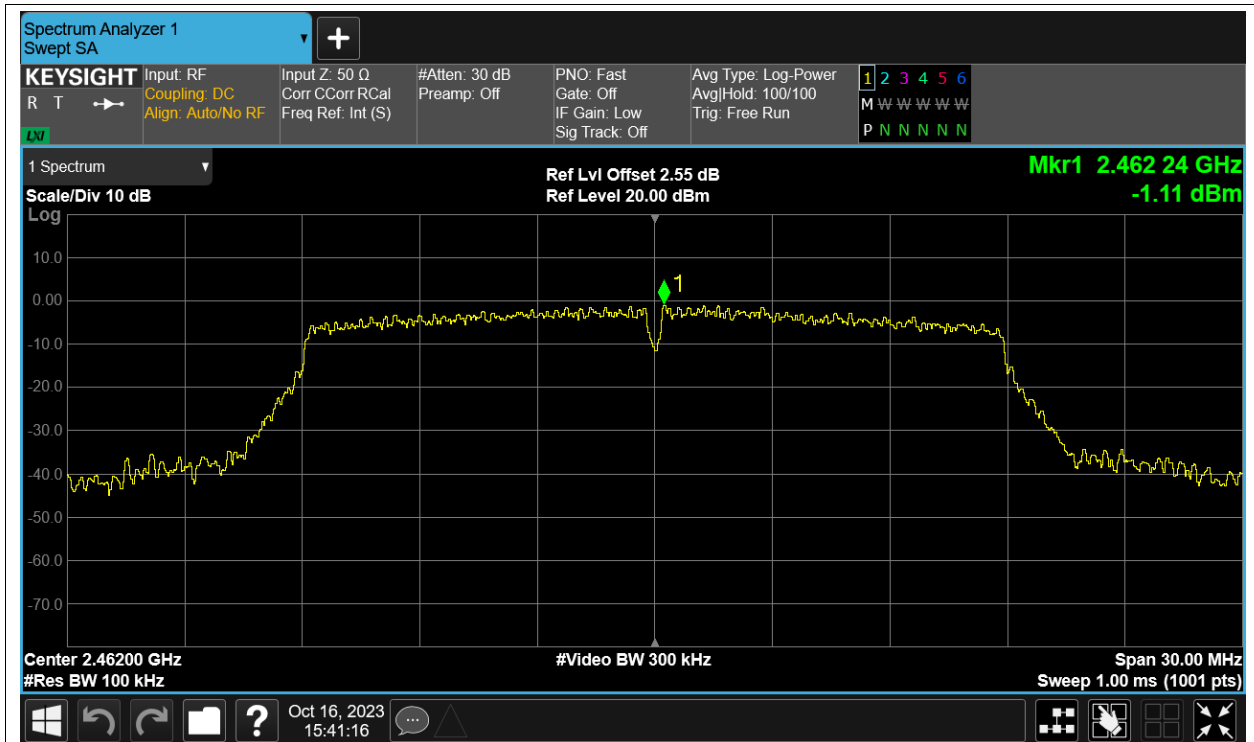
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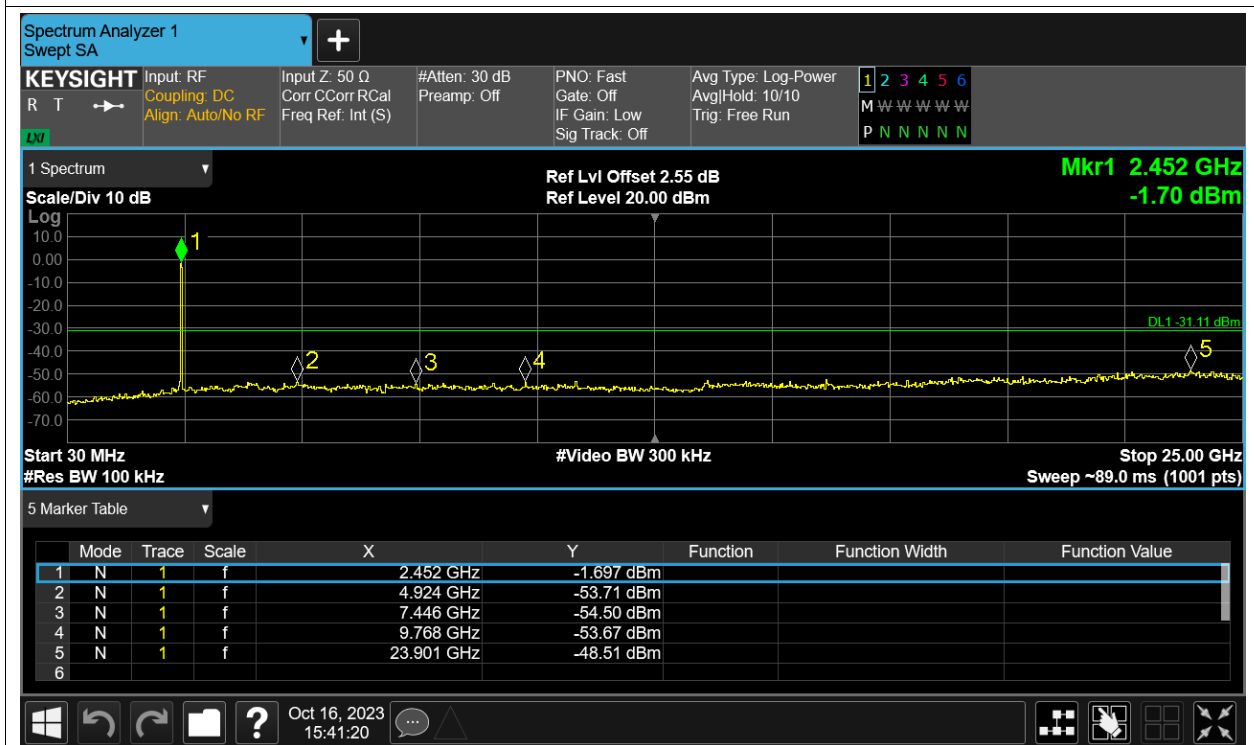
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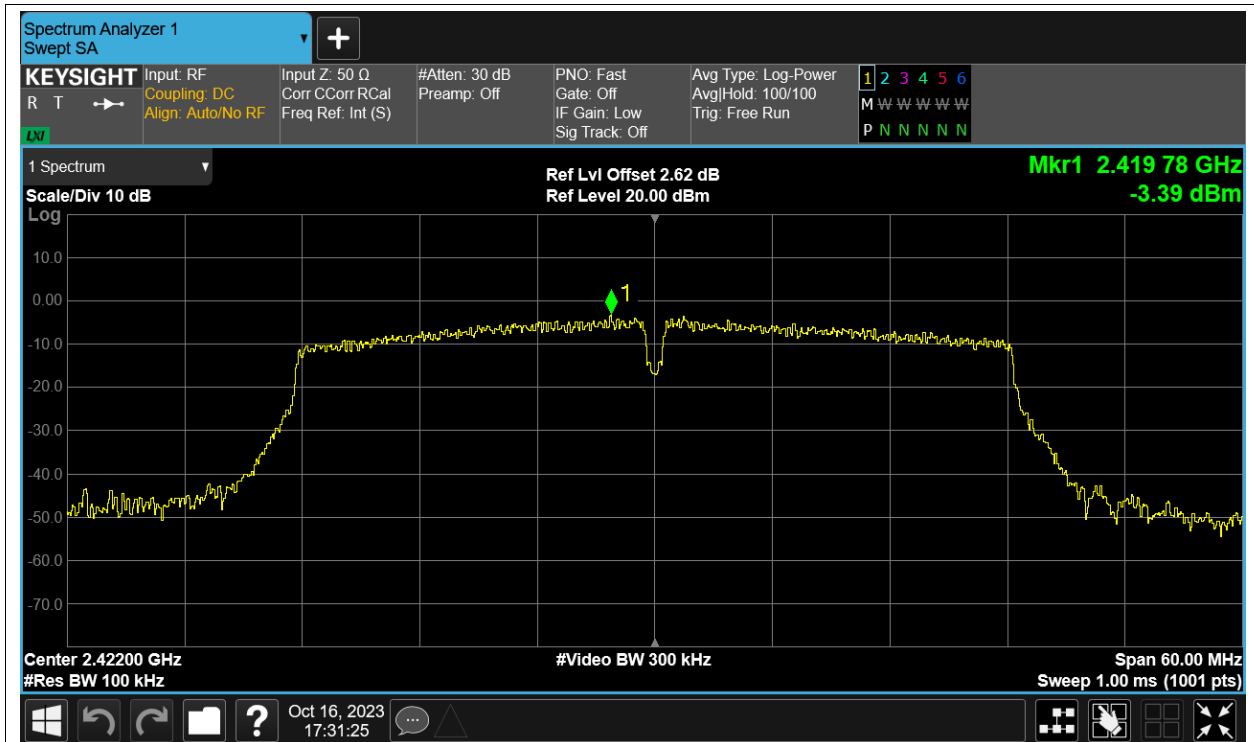
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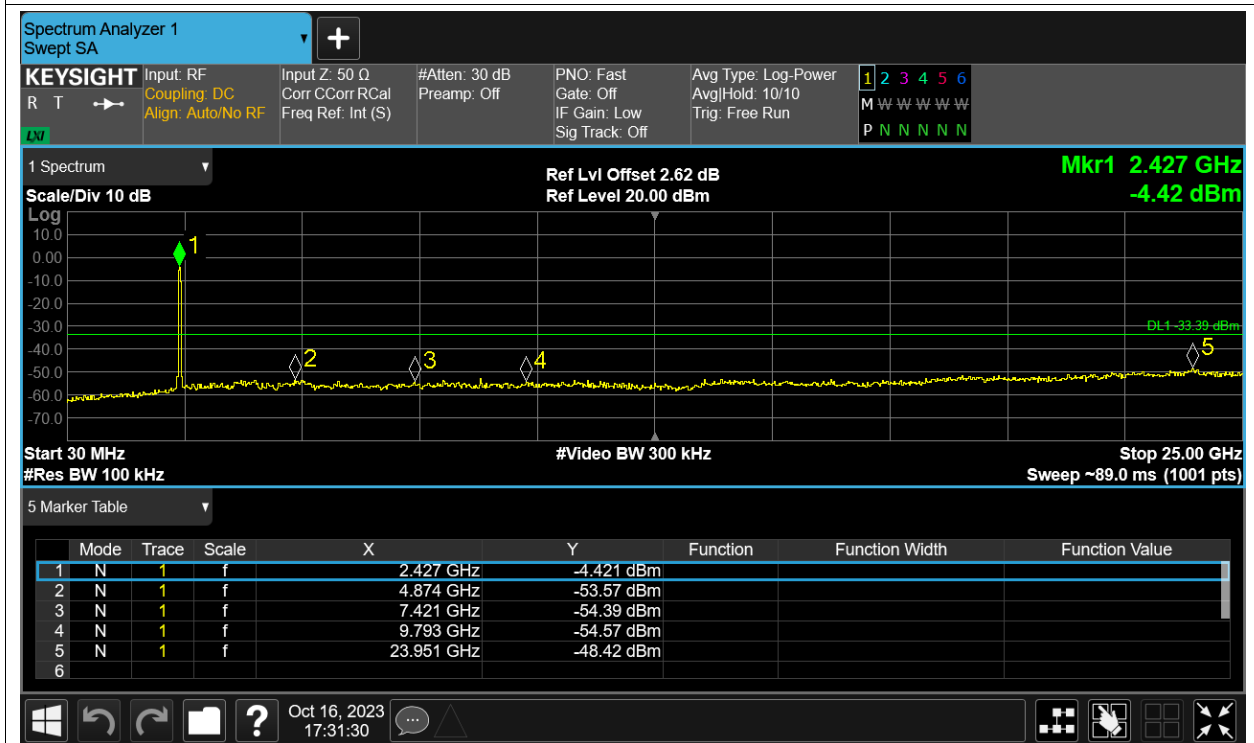
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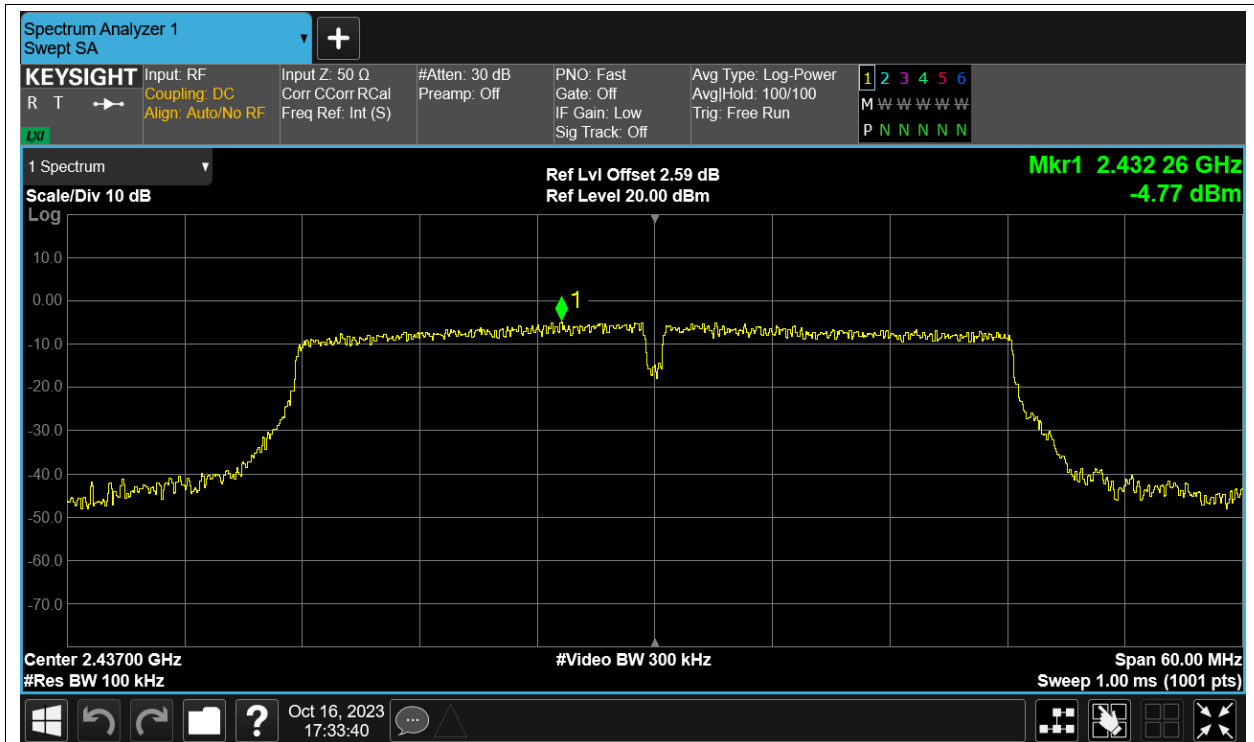
Tx. Spurious NVNT n40 2422MHz Ant14 Ref



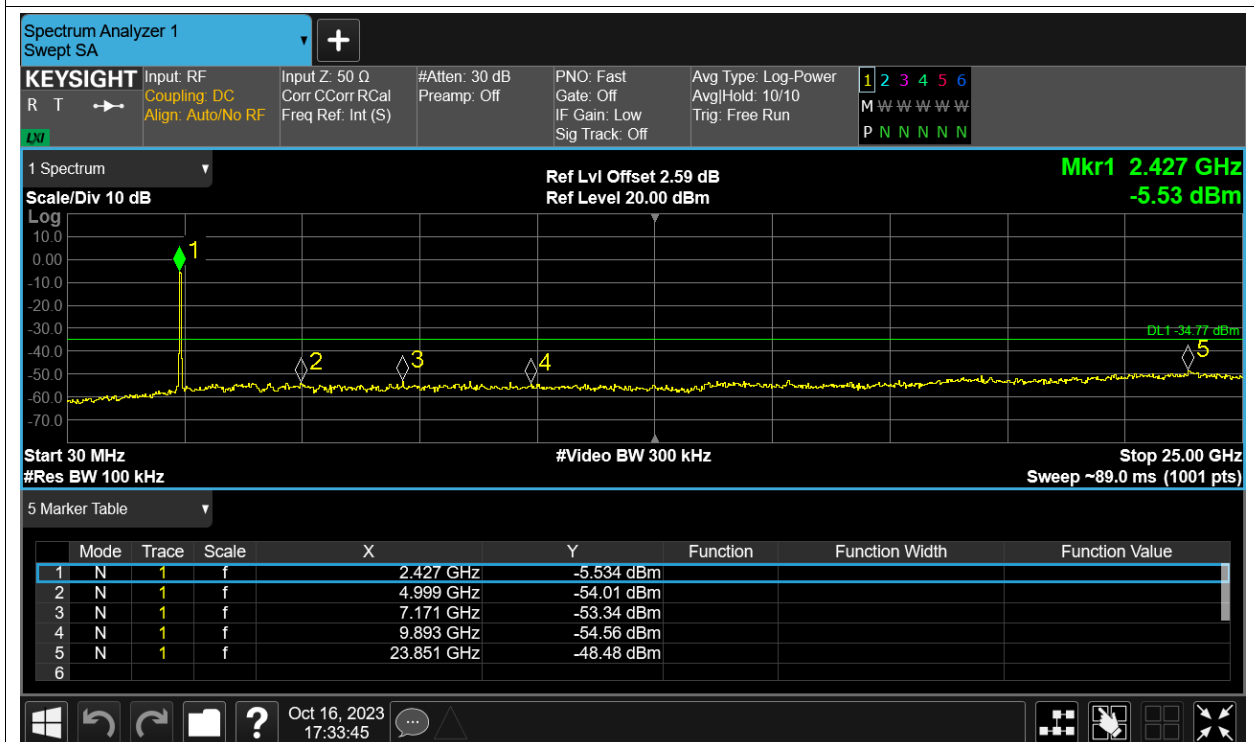
Tx. Spurious NVNT n40 2422MHz Ant14 Emission



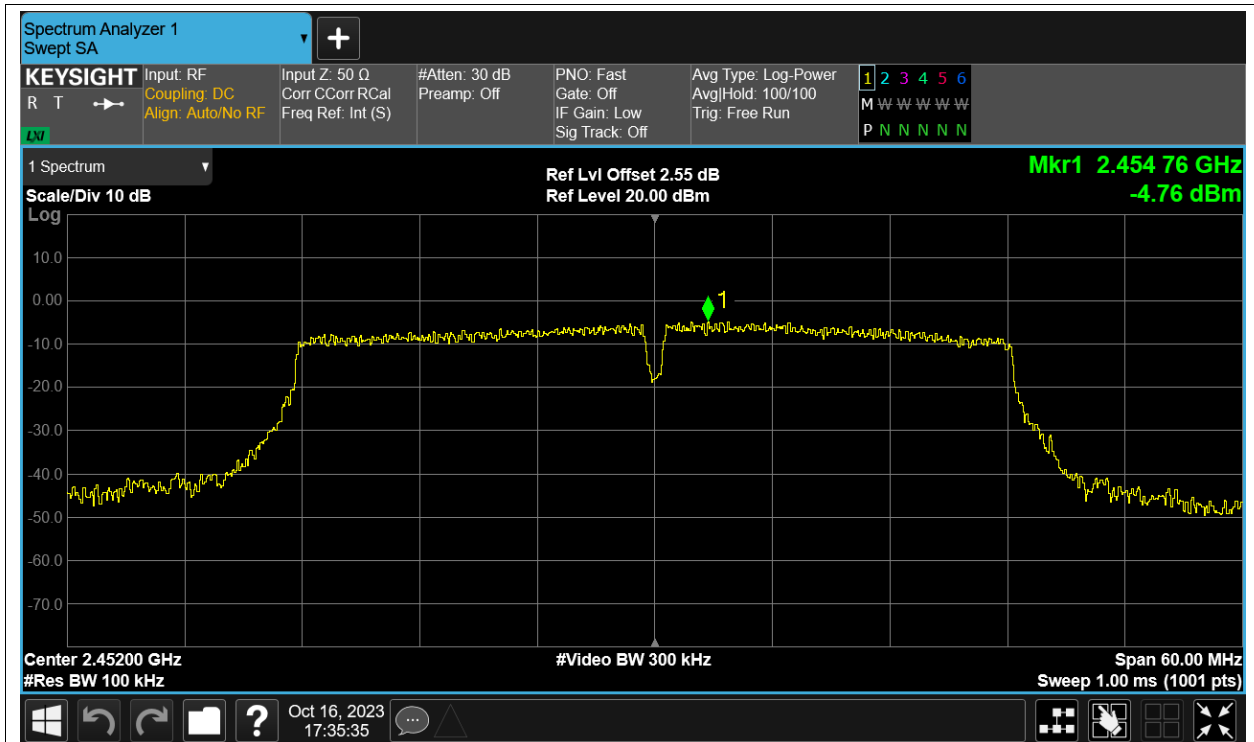
Tx. Spurious NVNT n40 2437MHz Ant14 Ref



Tx. Spurious NVNT n40 2437MHz Ant14 Emission



Tx. Spurious NVNT n40 2452MHz Ant14 Ref



Tx. Spurious NVNT n40 2452MHz Ant14 Emission

