

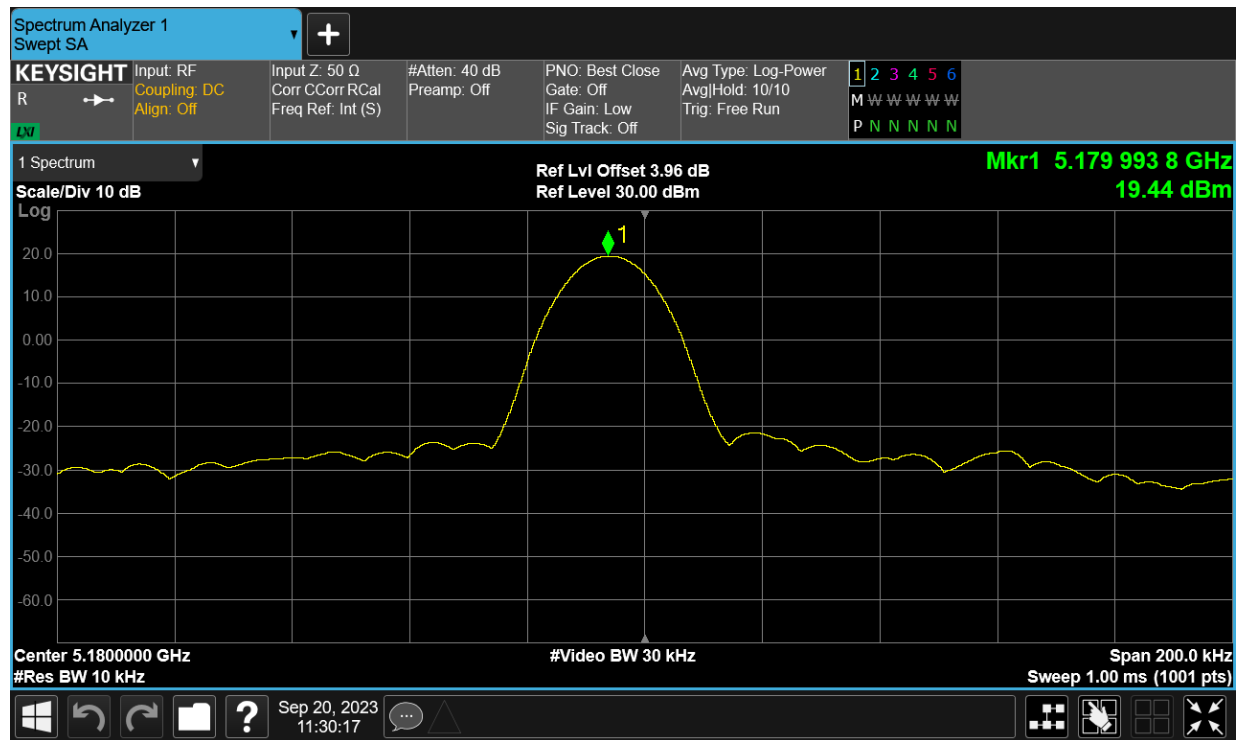
## Test Data

### Frequency Stability

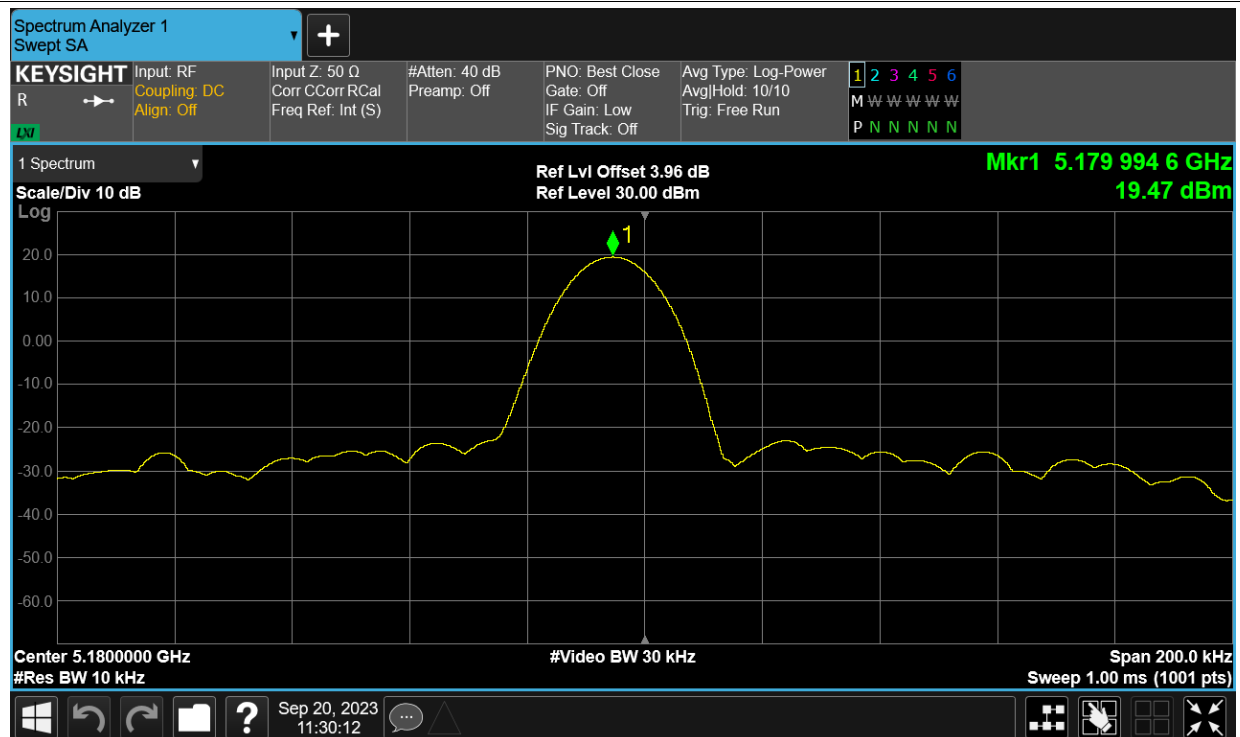
| Condition                                                                                                                                                                                                                                    | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Deviation (ppm) | Limit (ppm)            | Verdict |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|---------|--------------------------|-----------------|------------------------|---------|
| HVNT                                                                                                                                                                                                                                         | a    | 5180            | Ant12   | 5179.9938                | -1.2            | Within authorized band | Pass    |
| LVNT                                                                                                                                                                                                                                         | a    | 5180            | Ant12   | 5179.9946                | -1.04           |                        | Pass    |
| NVHT                                                                                                                                                                                                                                         | a    | 5180            | Ant12   | 5179.995                 | -0.97           |                        | Pass    |
| NVLT                                                                                                                                                                                                                                         | a    | 5180            | Ant12   | 5179.9954                | -0.89           |                        | Pass    |
| NVNT                                                                                                                                                                                                                                         | a    | 5180            | Ant12   | 5179.994                 | -1.16           |                        | Pass    |
| HVNT                                                                                                                                                                                                                                         | ac80 | 5210            | Ant12   | 5209.9912                | -1.69           |                        | Pass    |
| LVNT                                                                                                                                                                                                                                         | ac80 | 5210            | Ant12   | 5209.9912                | -1.69           |                        | Pass    |
| NVHT                                                                                                                                                                                                                                         | ac80 | 5210            | Ant12   | 5209.9912                | -1.69           |                        | Pass    |
| NVLT                                                                                                                                                                                                                                         | ac80 | 5210            | Ant12   | 5209.9912                | -1.69           |                        | Pass    |
| NVNT                                                                                                                                                                                                                                         | ac80 | 5210            | Ant12   | 5209.991326022           | -1.66           |                        | Pass    |
| HVNT                                                                                                                                                                                                                                         | n40  | 5190            | Ant12   | 5189.9914                | -1.66           |                        | Pass    |
| LVNT                                                                                                                                                                                                                                         | n40  | 5190            | Ant12   | 5189.9914                | -1.66           |                        | Pass    |
| NVHT                                                                                                                                                                                                                                         | n40  | 5190            | Ant12   | 5189.9916                | -1.62           |                        | Pass    |
| NVLT                                                                                                                                                                                                                                         | n40  | 5190            | Ant12   | 5189.9922                | -1.5            |                        | Pass    |
| NVNT                                                                                                                                                                                                                                         | n40  | 5190            | Ant12   | 5189.993                 | -1.35           |                        | Pass    |
| Remark: “NTNV” means Normal Temperature Normal Voltage, “NVHT” means Normal Voltage High Temperature, “NVLT” means Normal Voltage Low Temperature, “LVNT” means Low Voltage Normal Temperature, “HVNT” means High Voltage Normal Temperature |      |                 |         |                          |                 |                        |         |

## Test Graphs

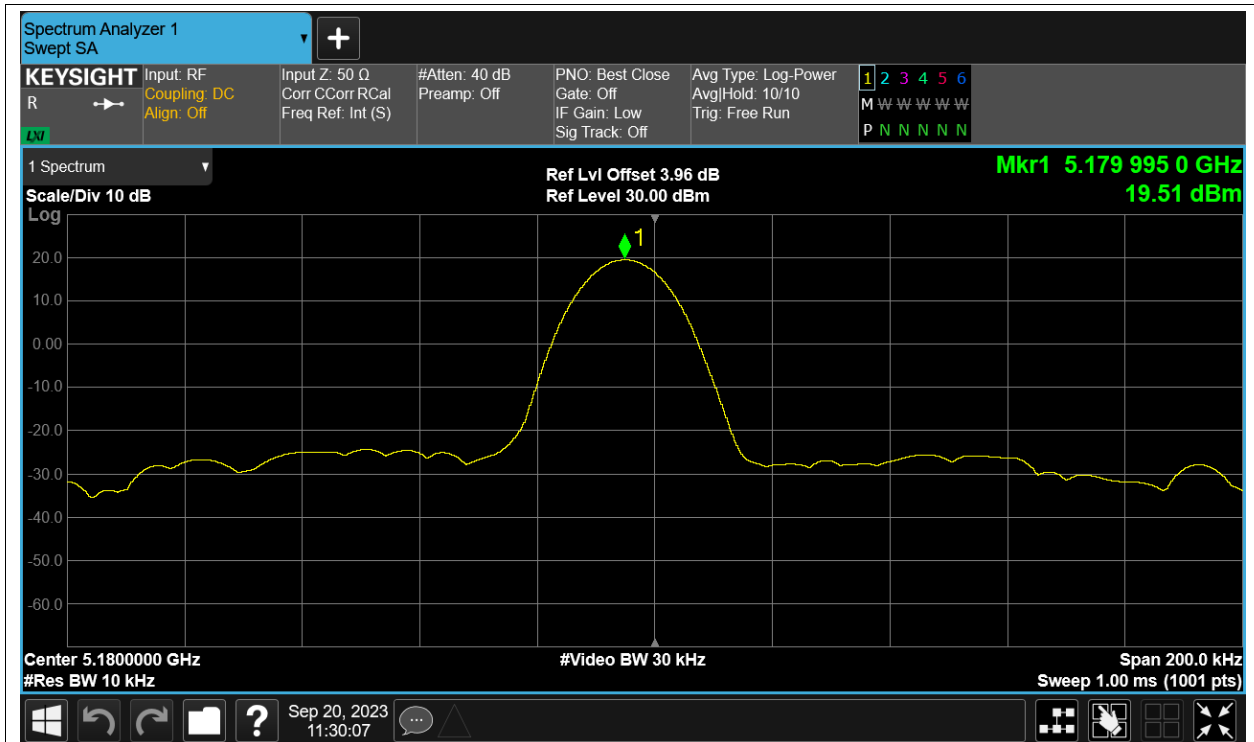
## Freq. Stability HVNT a 5180MHz Ant12



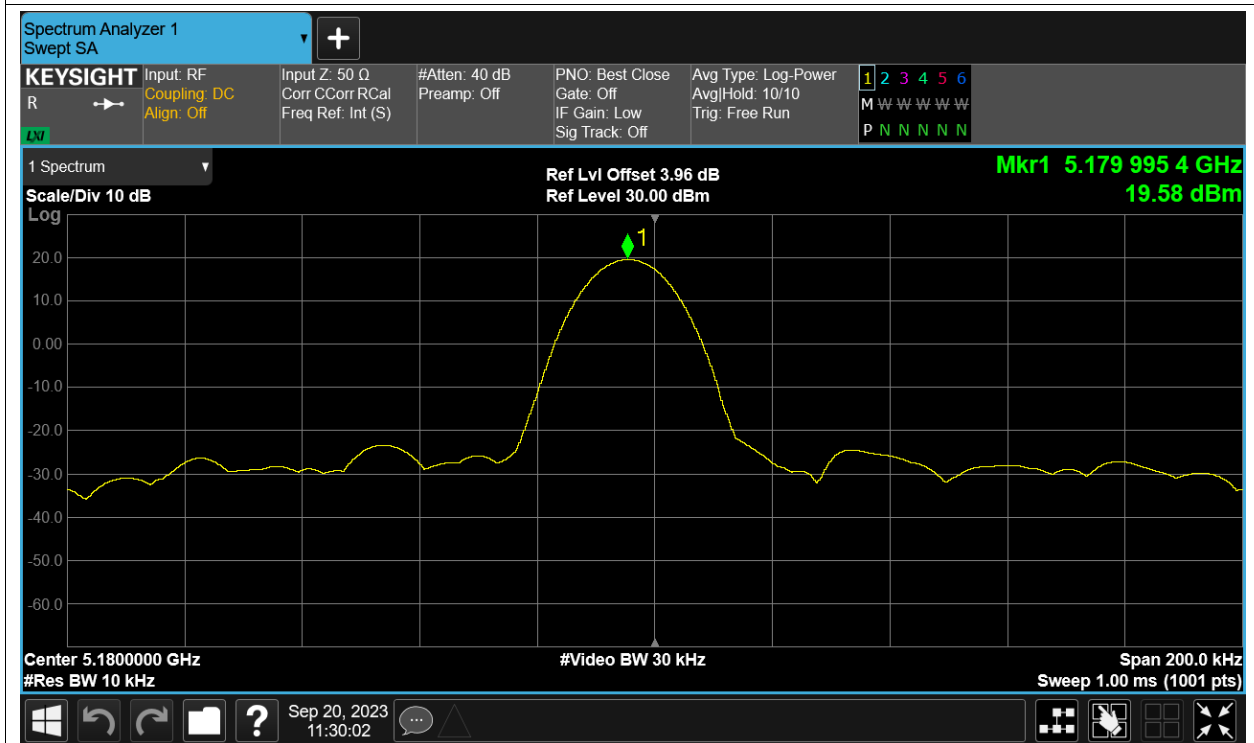
## Freq. Stability LVNT a 5180MHz Ant12



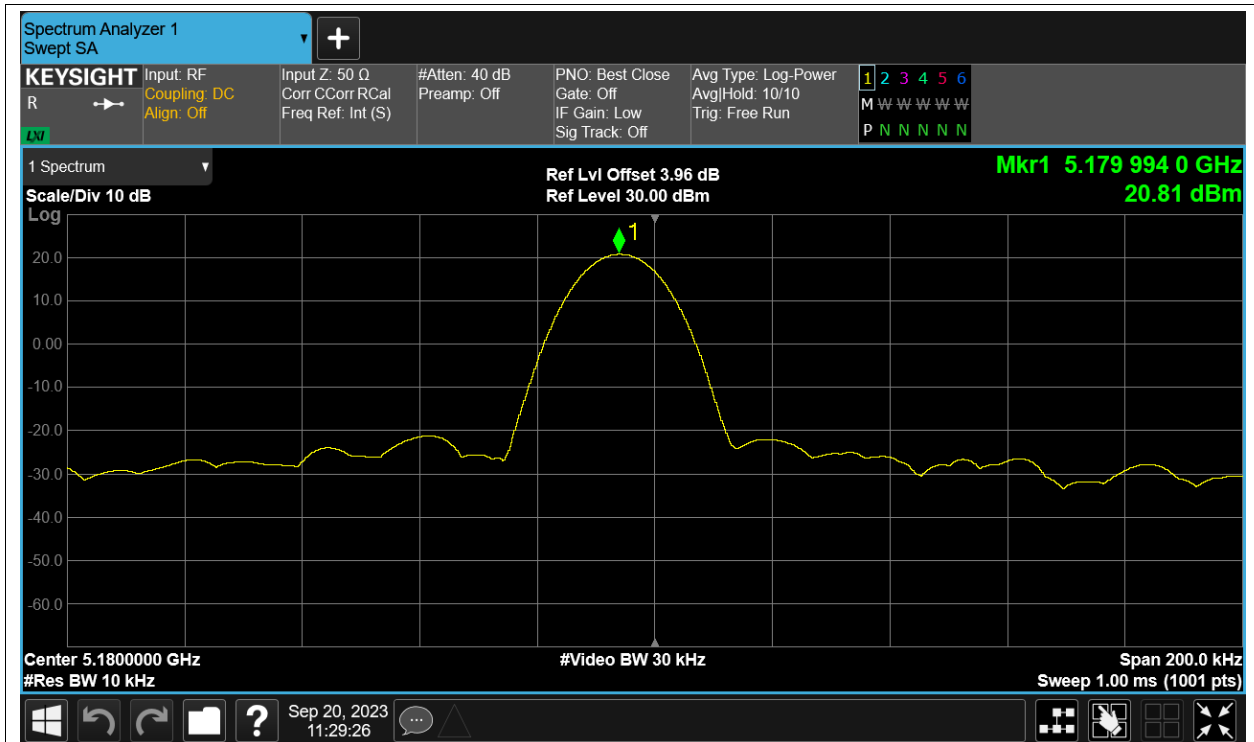
## Freq. Stability NVHT a 5180MHz Ant12



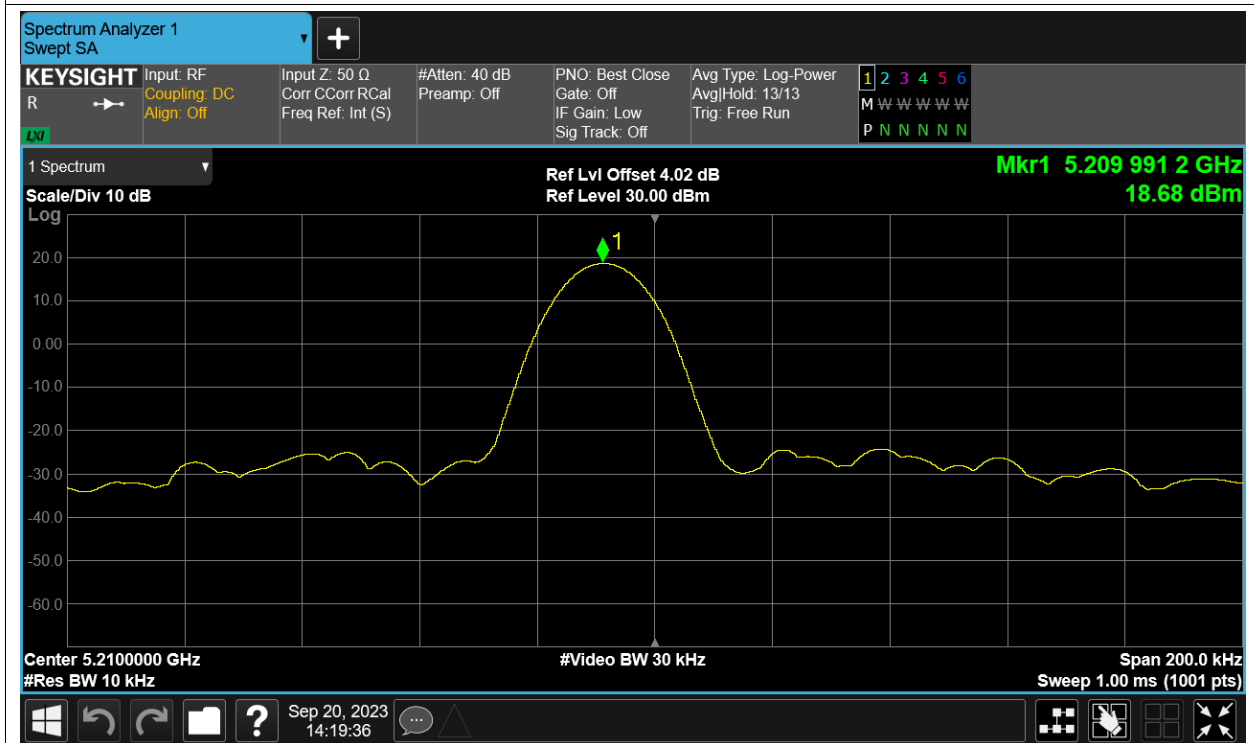
Freq. Stability NVLT a 5180MHz Ant12



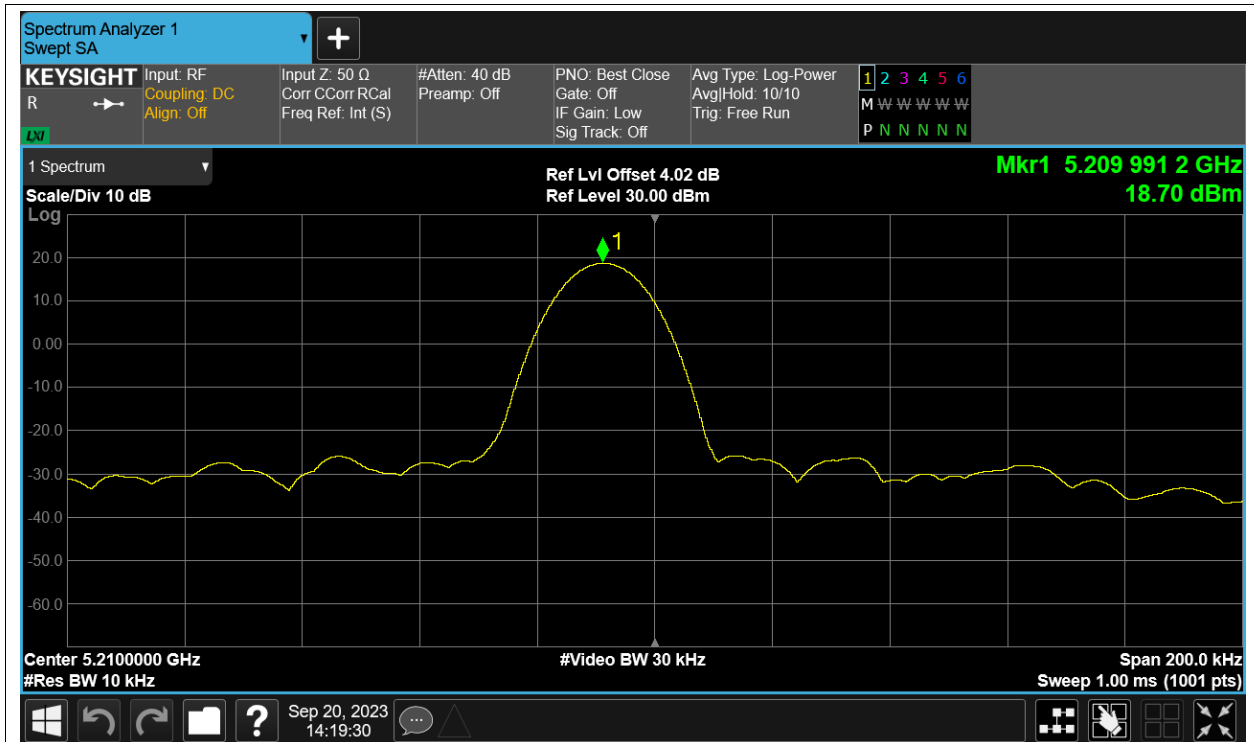
Freq. Stability NVNT a 5180MHz Ant12



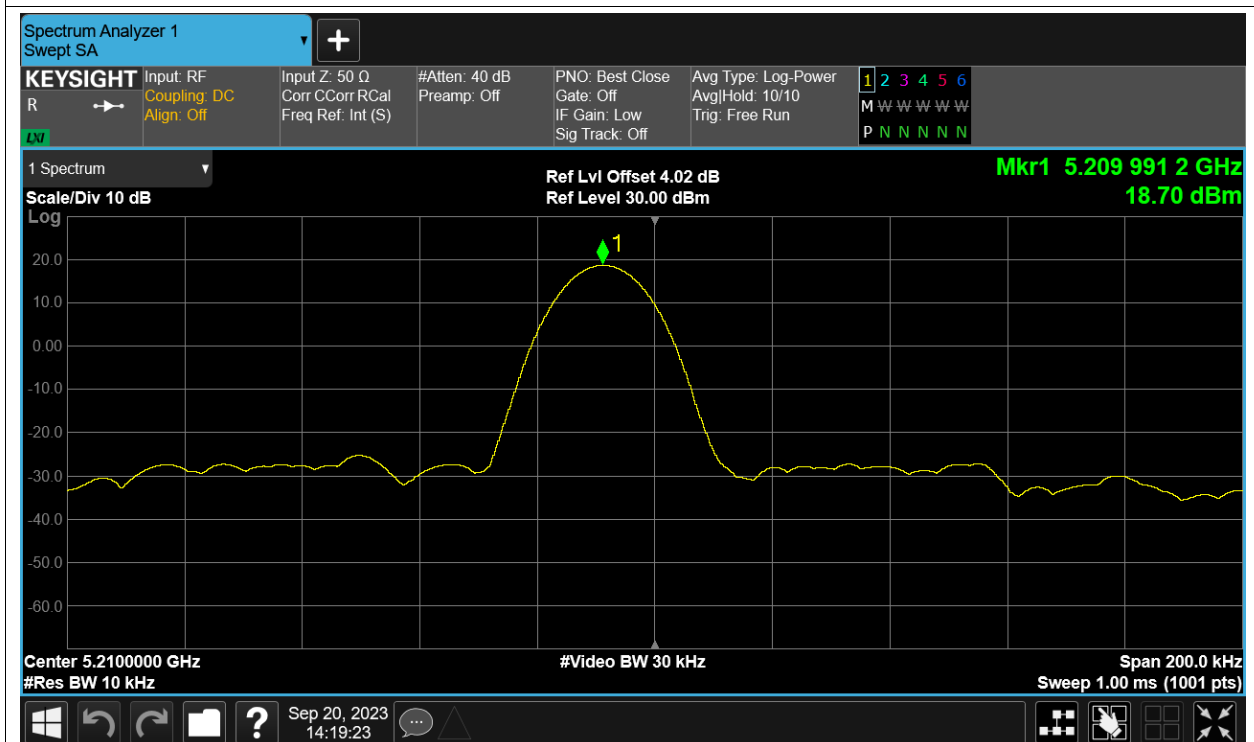
Freq. Stability HVNT ac80 5210MHz Ant12



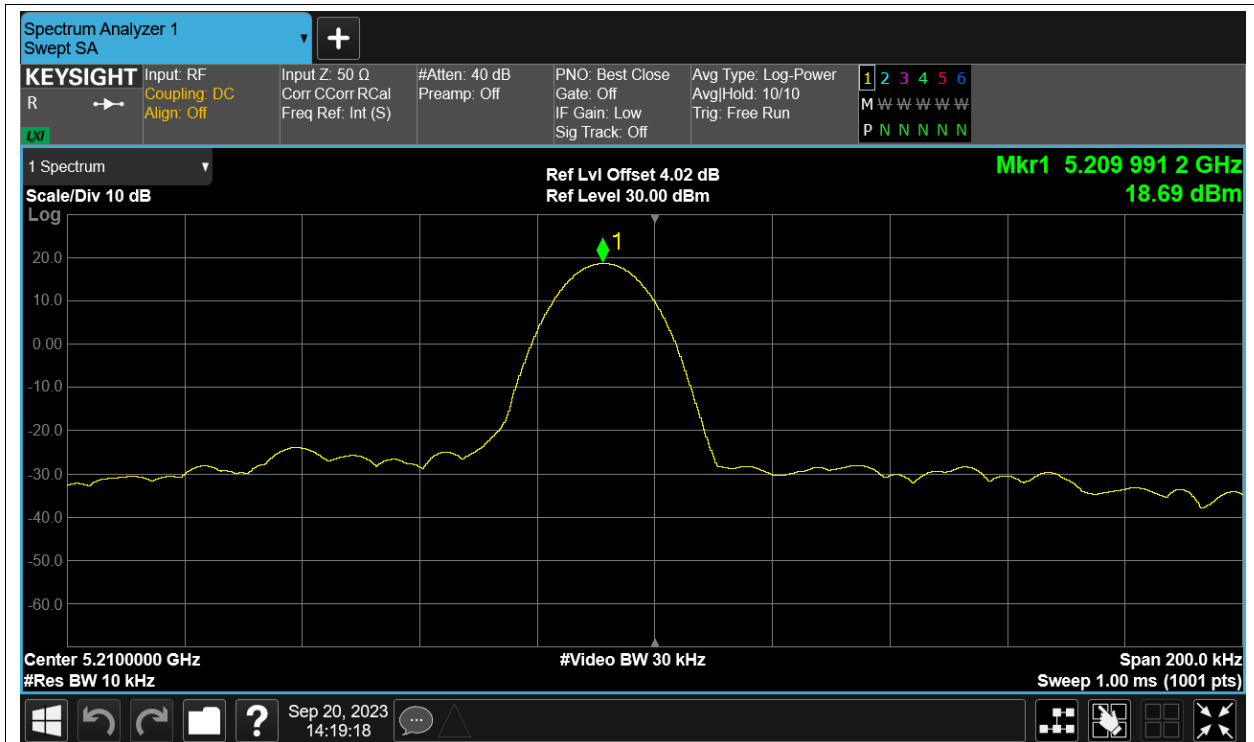
Freq. Stability LVNT ac80 5210MHz Ant12



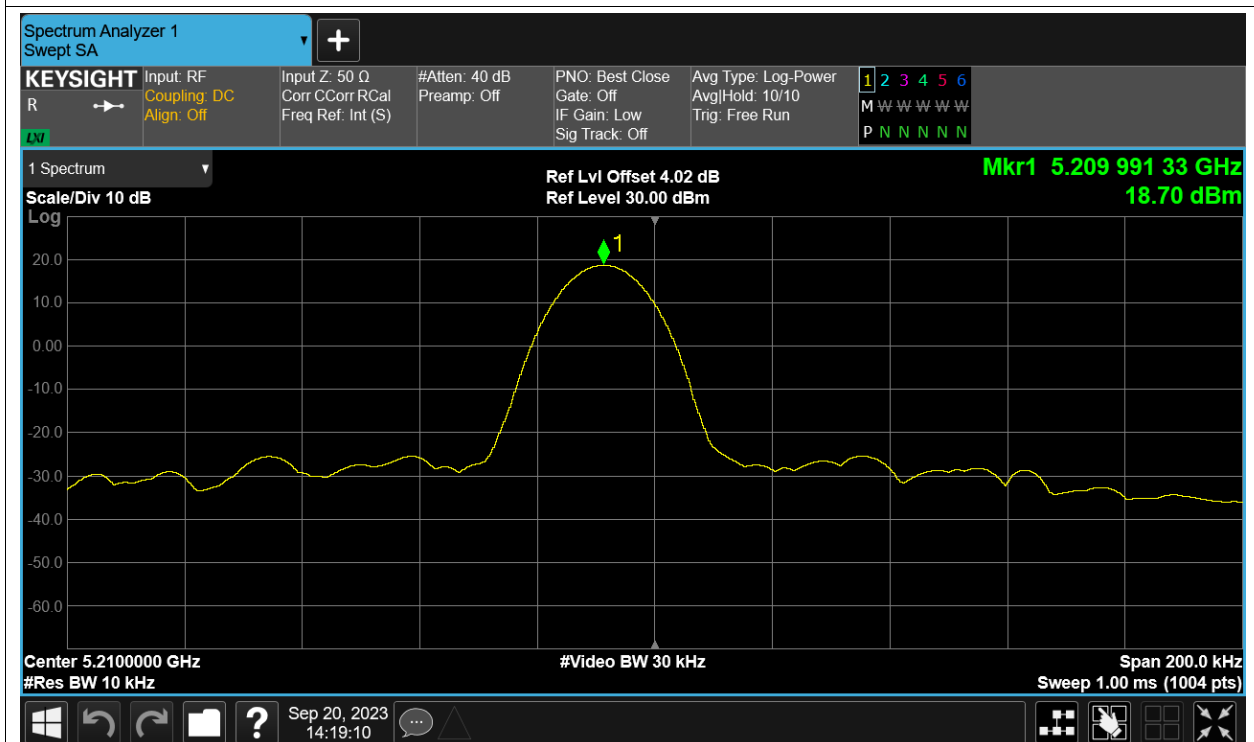
Freq. Stability NVHT ac80 5210MHz Ant12



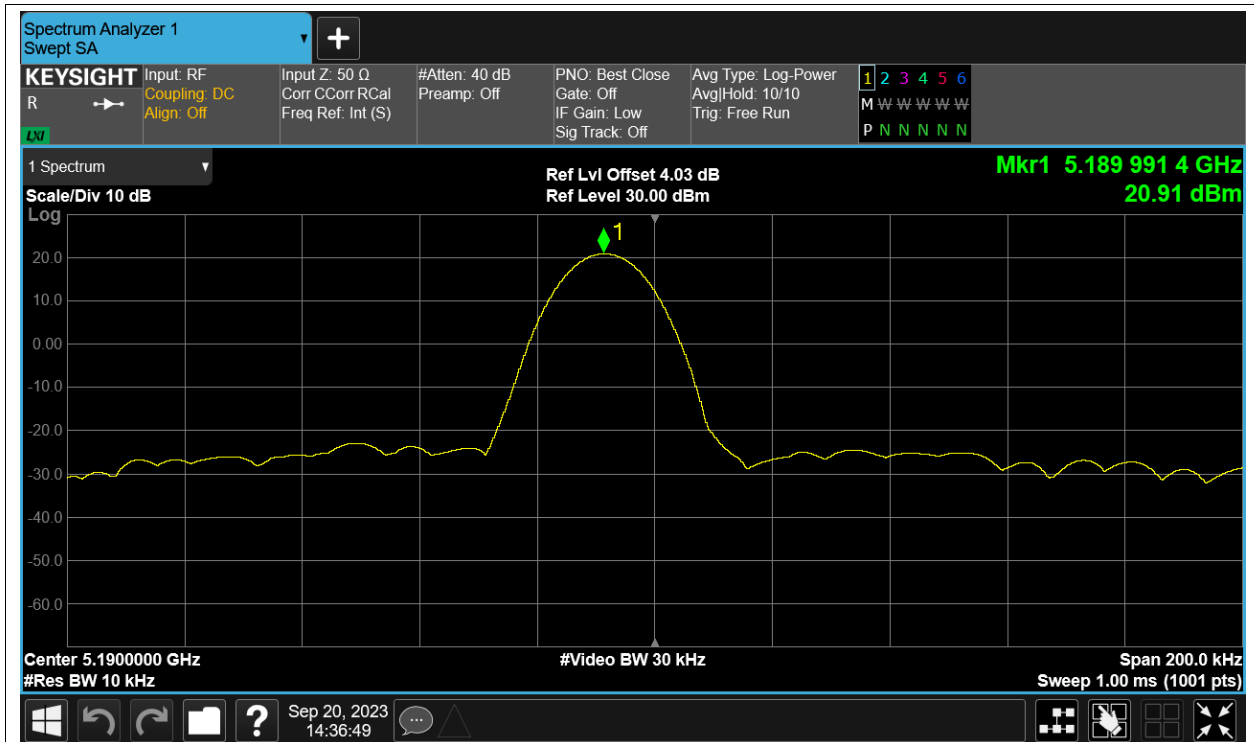
Freq. Stability NVLT ac80 5210MHz Ant12



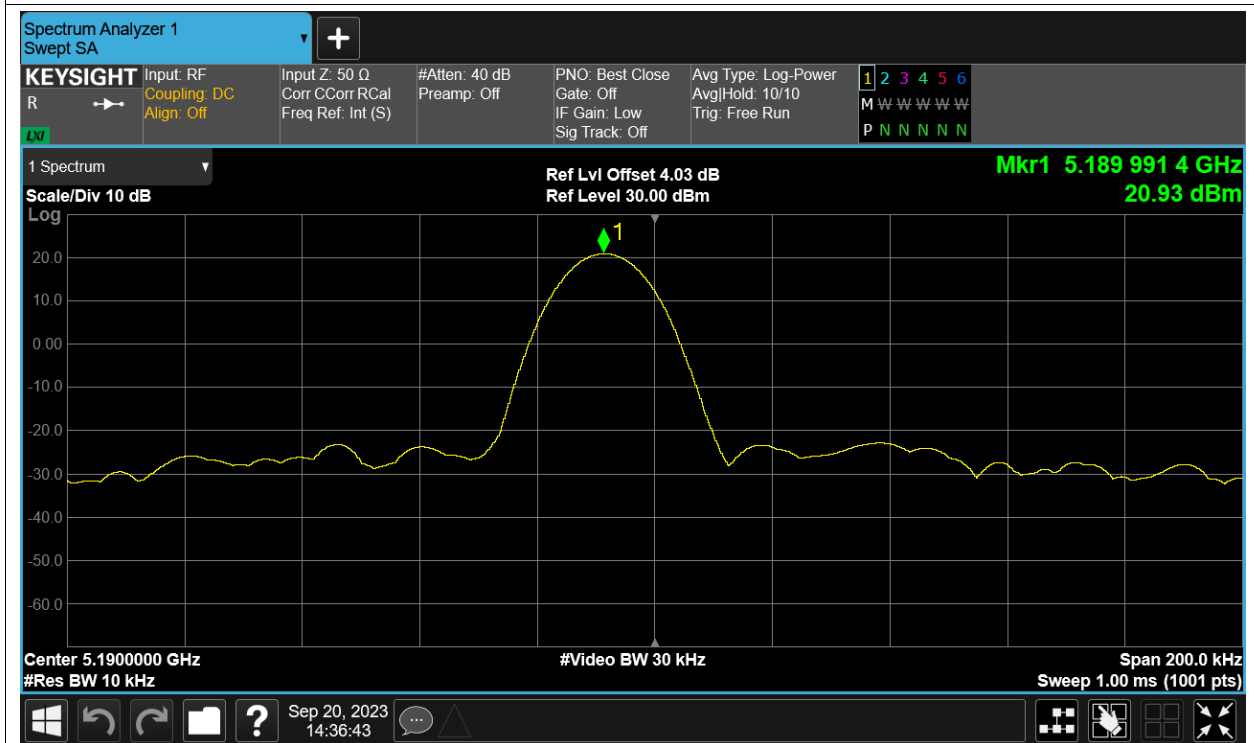
Freq. Stability NVNT ac80 5210MHz Ant12



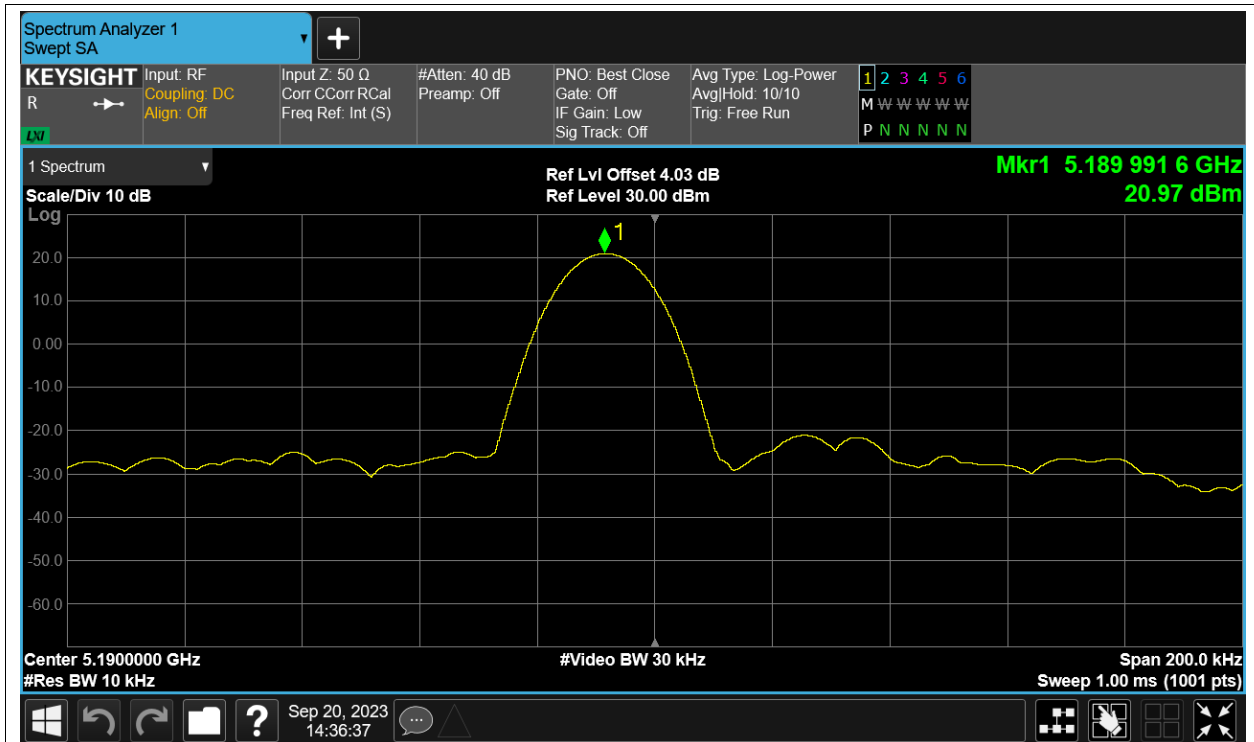
Freq. Stability HVNT n40 5190MHz Ant12



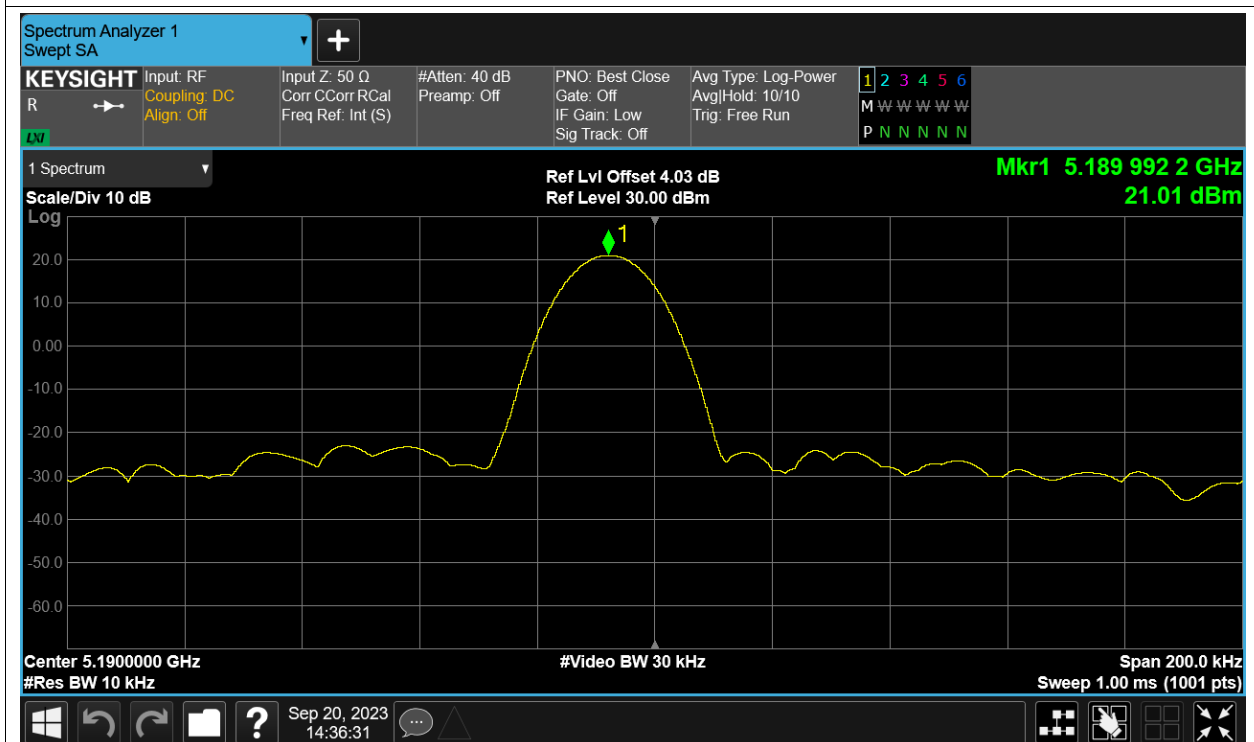
Freq. Stability LVNT n40 5190MHz Ant12



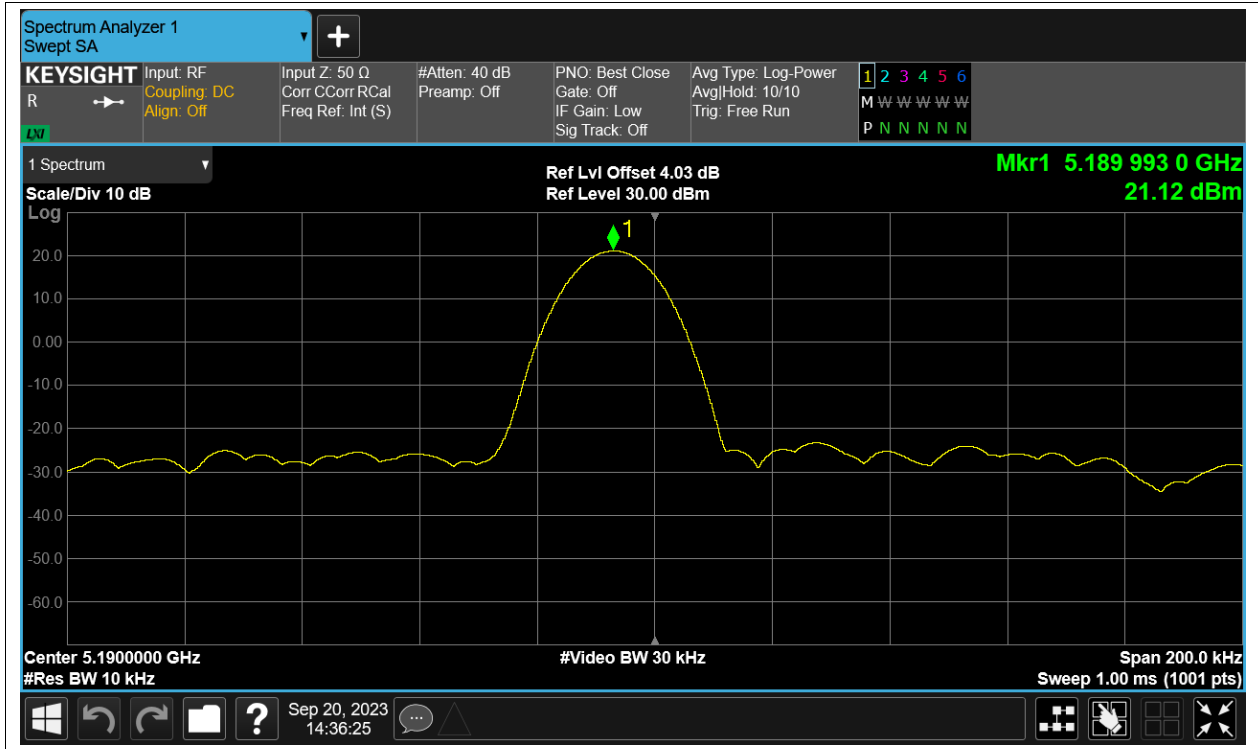
Freq. Stability NVHT n40 5190MHz Ant12



Freq. Stability NVLT n40 5190MHz Ant12



Freq. Stability NVNT n40 5190MHz Ant12

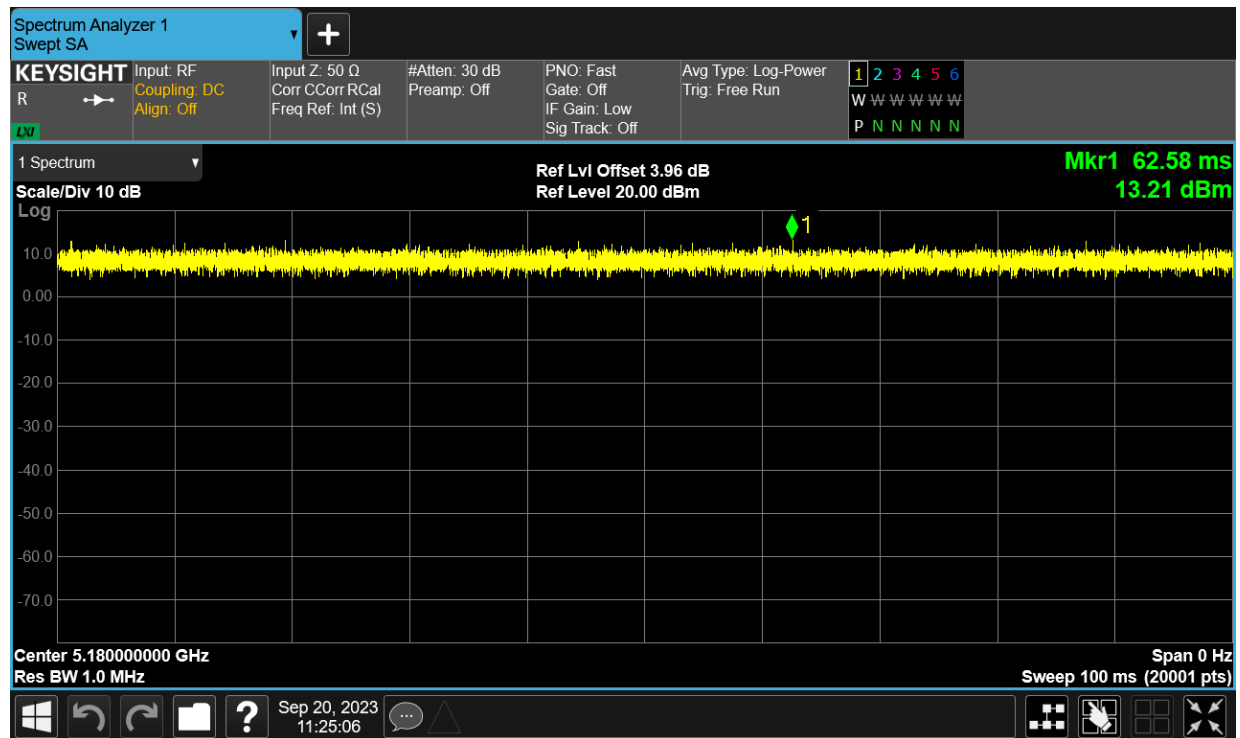


## Duty Cycle

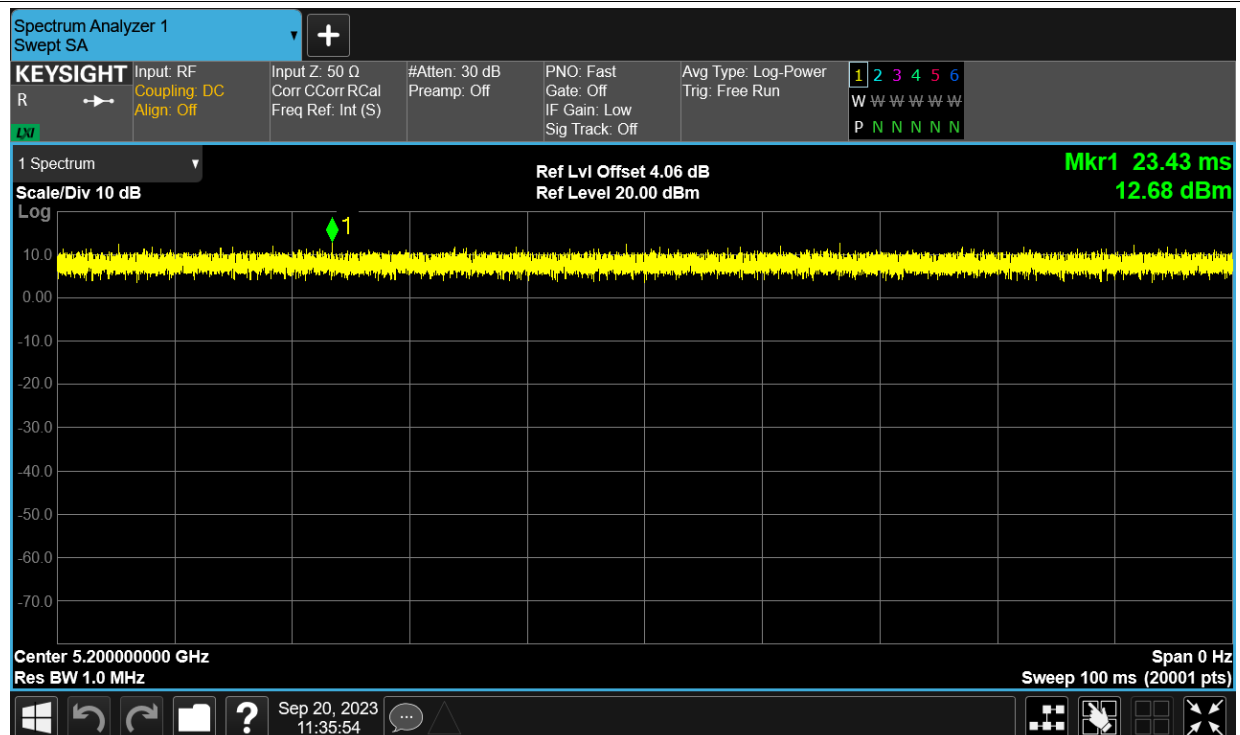
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) |
|-----------|------|-----------------|---------|----------------|------------------------|
| NVNT      | a    | 5180            | Ant12   | 100            | 0                      |
| NVNT      | a    | 5200            | Ant12   | 100            | 0                      |
| NVNT      | a    | 5240            | Ant12   | 100            | 0                      |
| NVNT      | ac20 | 5180            | Ant12   | 100            | 0                      |
| NVNT      | ac20 | 5200            | Ant12   | 100            | 0                      |
| NVNT      | ac20 | 5240            | Ant12   | 100            | 0                      |
| NVNT      | ac40 | 5190            | Ant12   | 100            | 0                      |
| NVNT      | ac40 | 5230            | Ant12   | 100            | 0                      |
| NVNT      | ac80 | 5210            | Ant12   | 100            | 0                      |
| NVNT      | n20  | 5180            | Ant12   | 100            | 0                      |
| NVNT      | n20  | 5200            | Ant12   | 100            | 0                      |
| NVNT      | n20  | 5240            | Ant12   | 100            | 0                      |
| NVNT      | n40  | 5190            | Ant12   | 100            | 0                      |
| NVNT      | n40  | 5230            | Ant12   | 100            | 0                      |

## Test Graphs

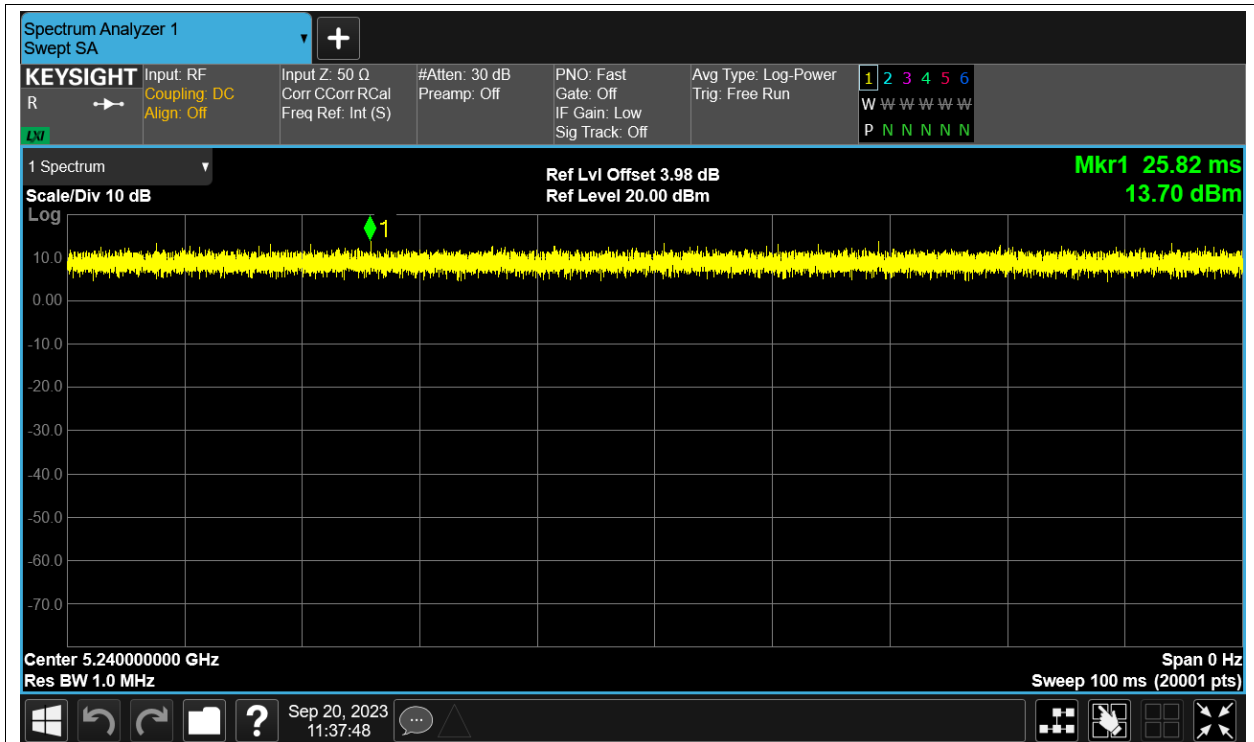
## Duty Cycle NVNT a 5180MHz Ant12



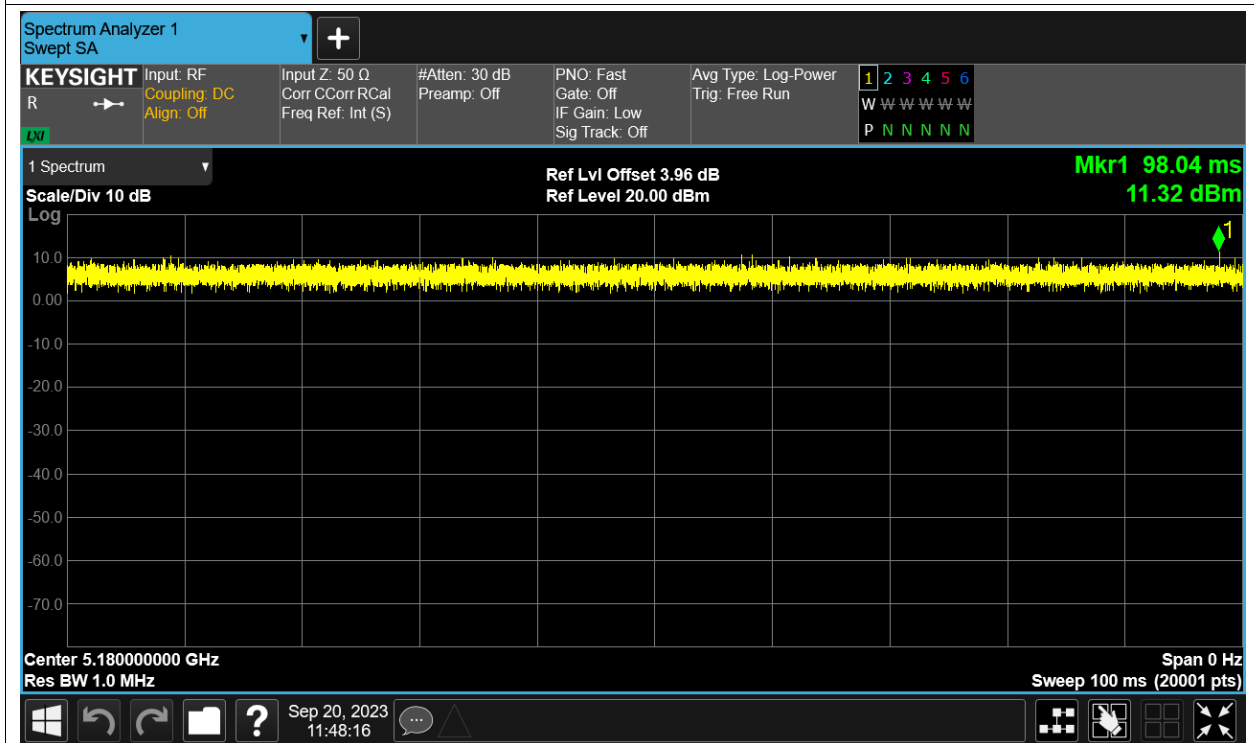
## Duty Cycle NVNT a 5200MHz Ant12



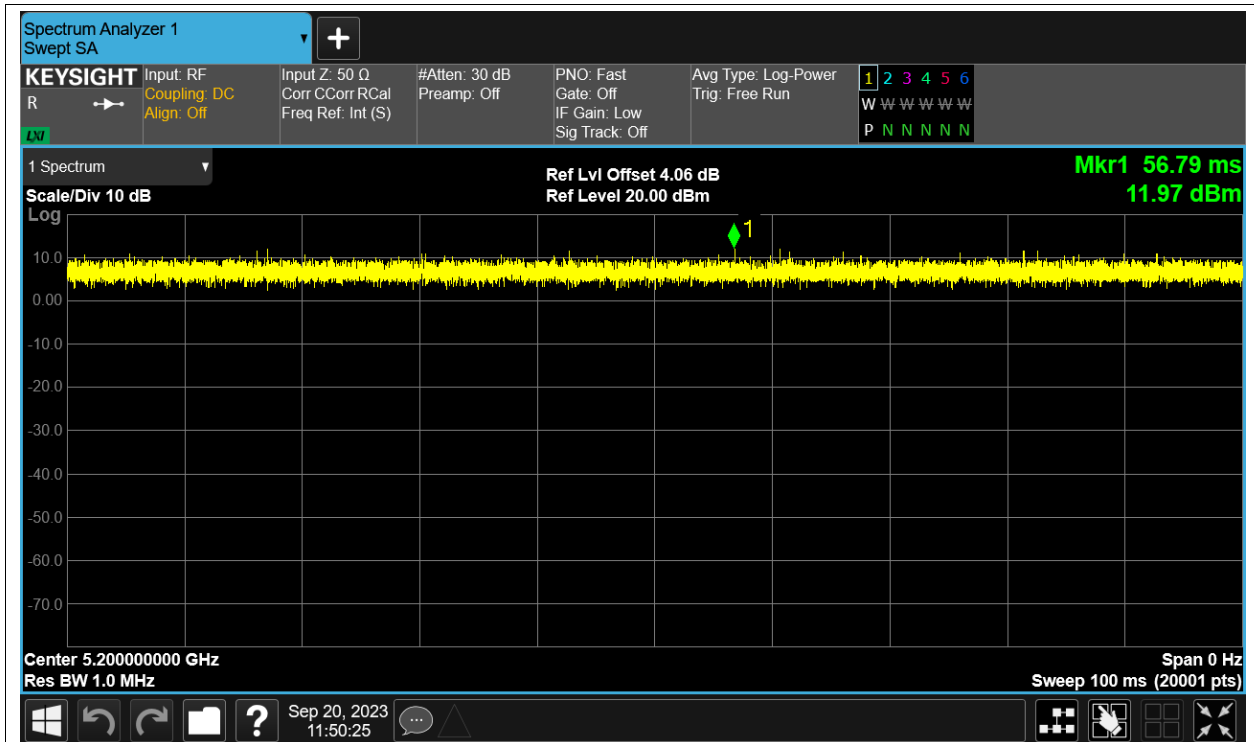
## Duty Cycle NVNT a 5240MHz Ant12



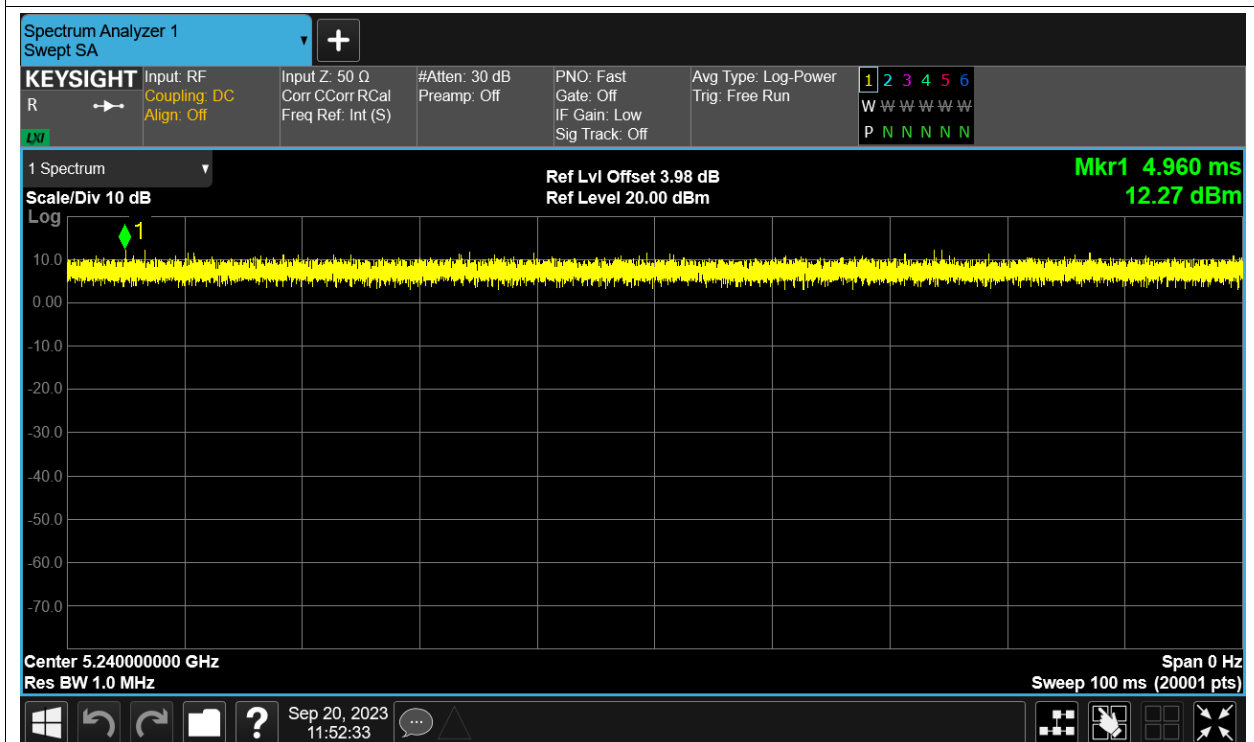
Duty Cycle NVNT ac20 5180MHz Ant12



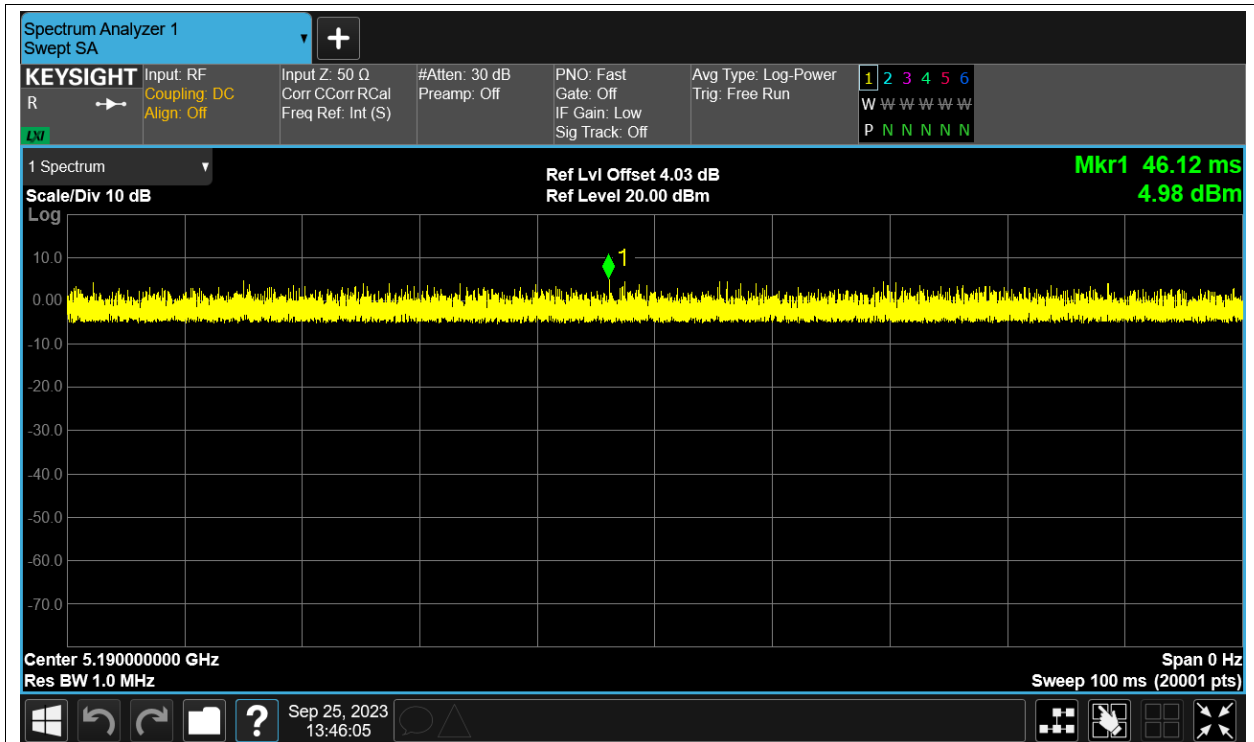
Duty Cycle NVNT ac20 5200MHz Ant12



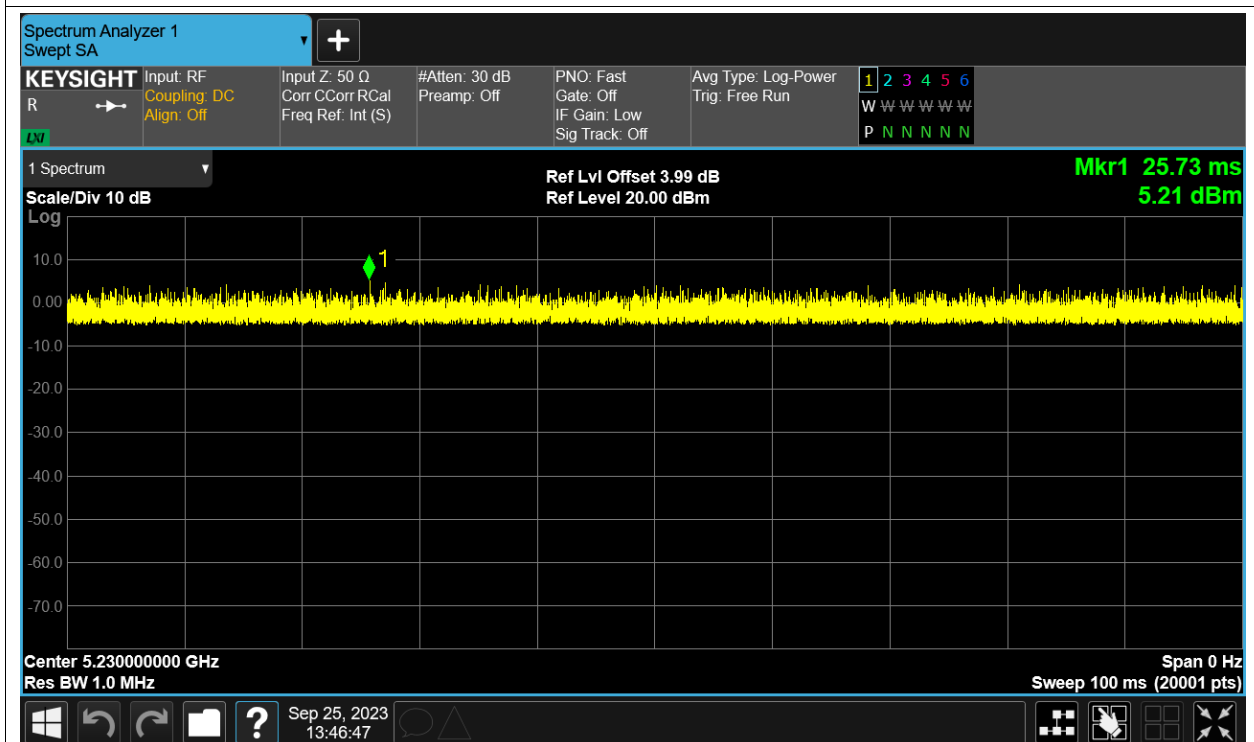
Duty Cycle NVNT ac20 5240MHz Ant12



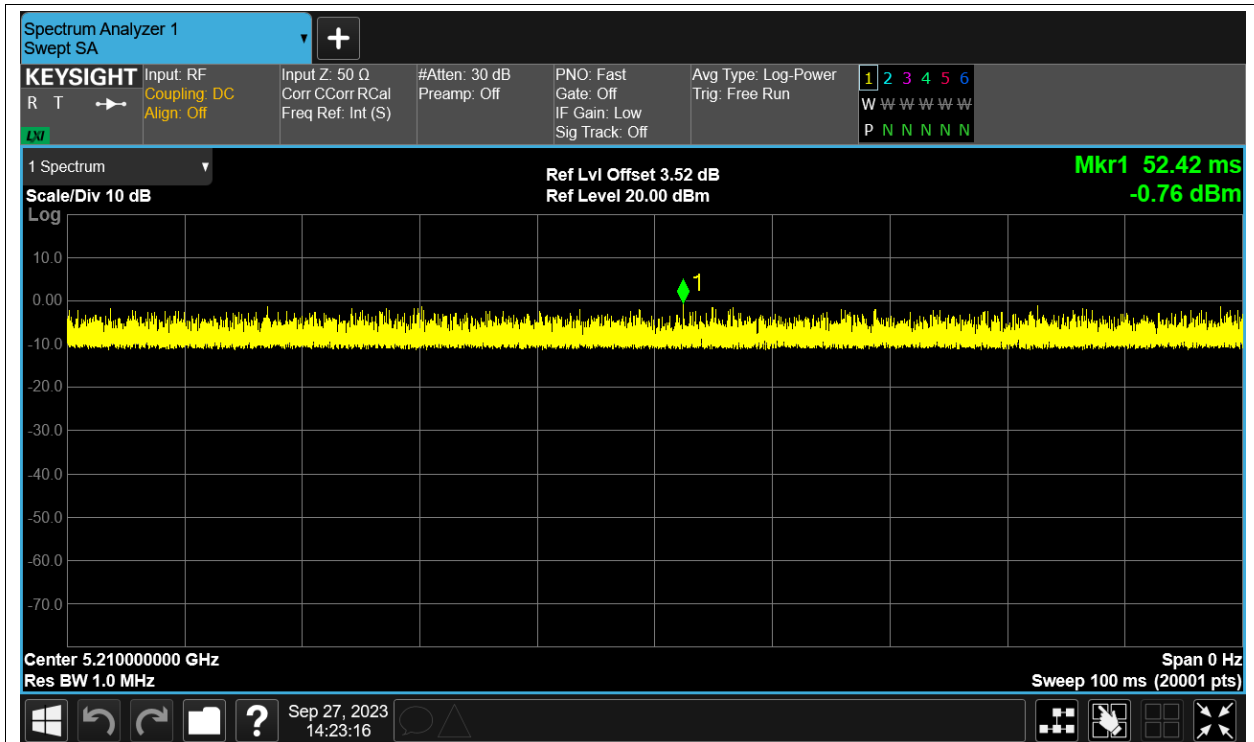
Duty Cycle NVNT ac40 5190MHz Ant12



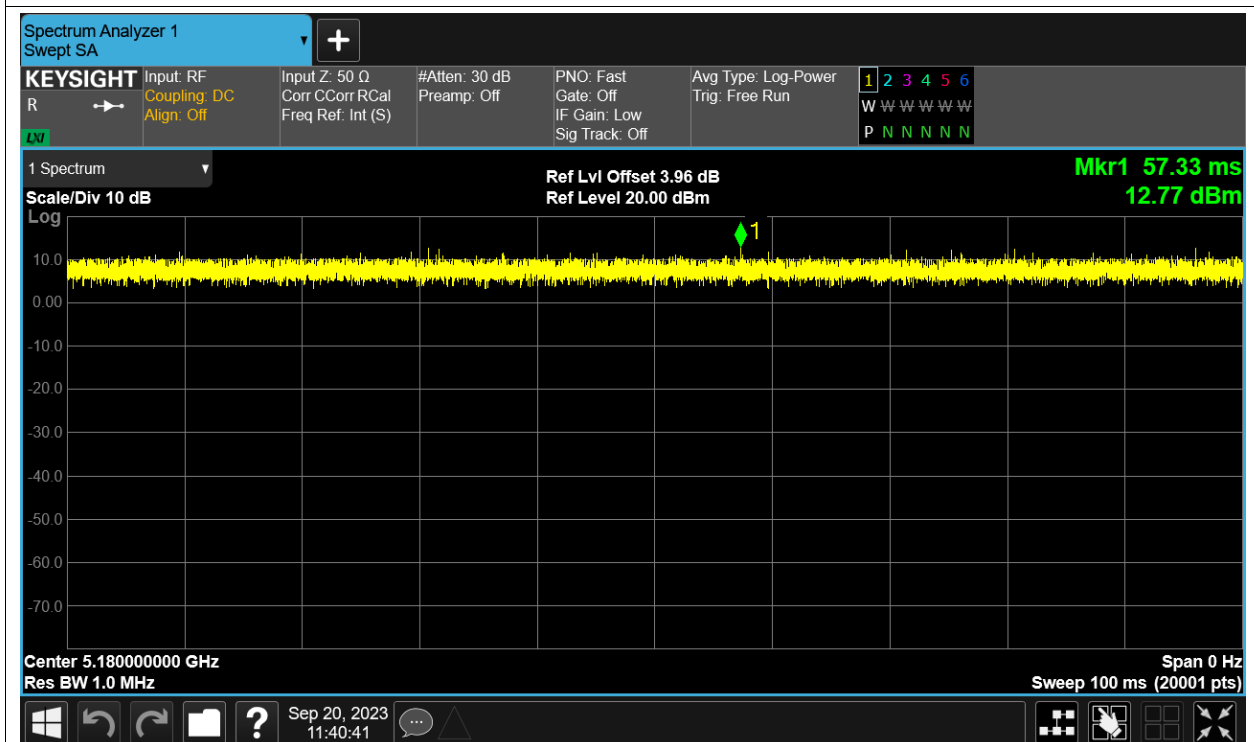
Duty Cycle NVNT ac40 5230MHz Ant12



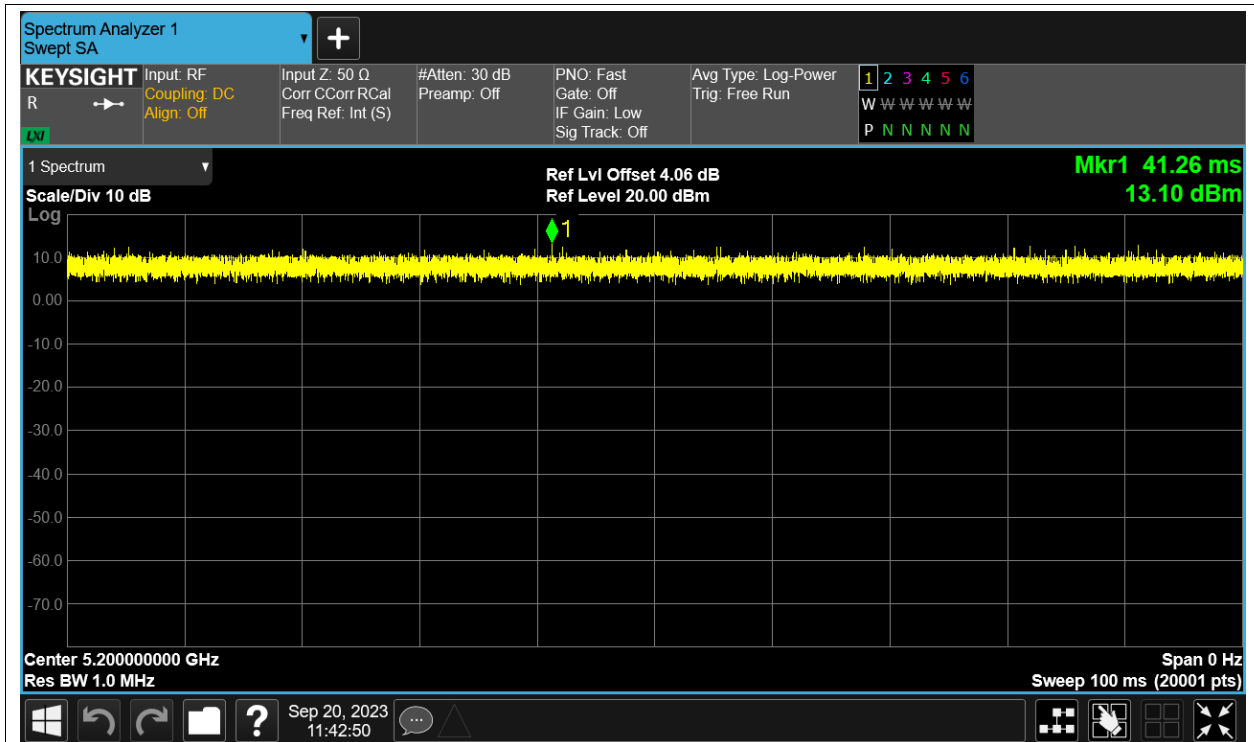
Duty Cycle NVNT ac80 5210MHz Ant12



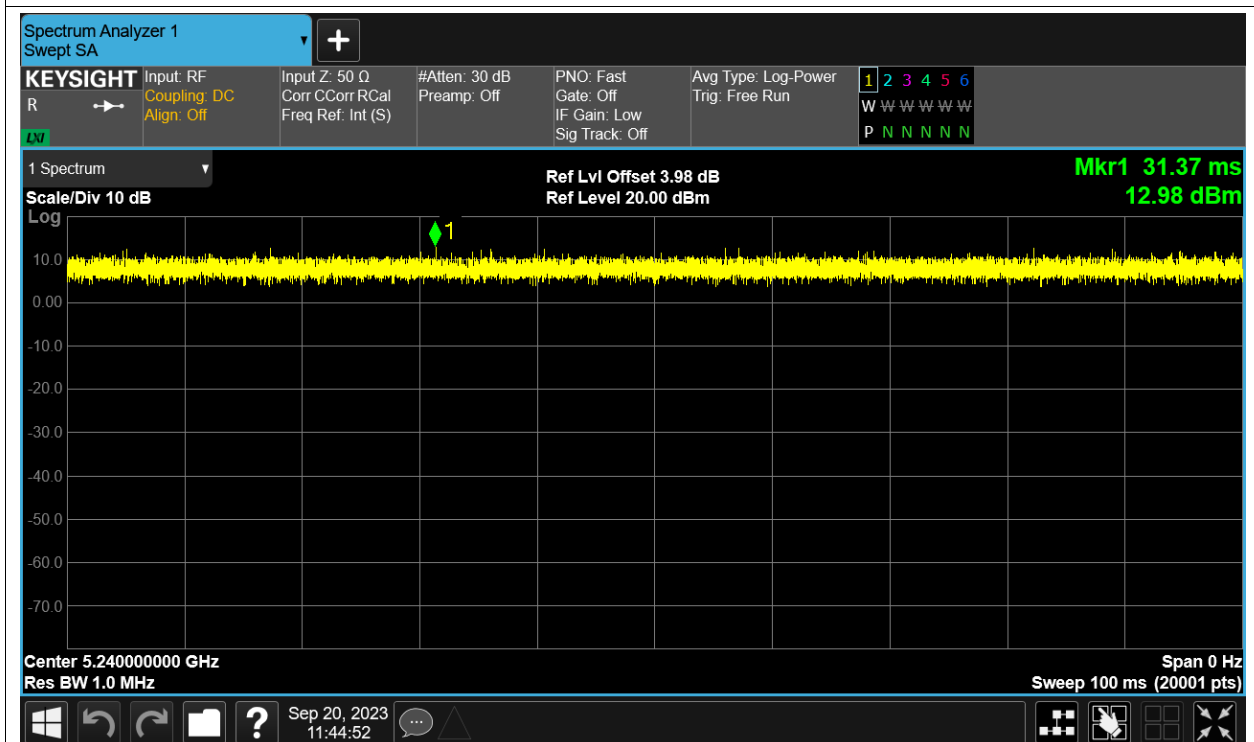
Duty Cycle NVNT n20 5180MHz Ant12



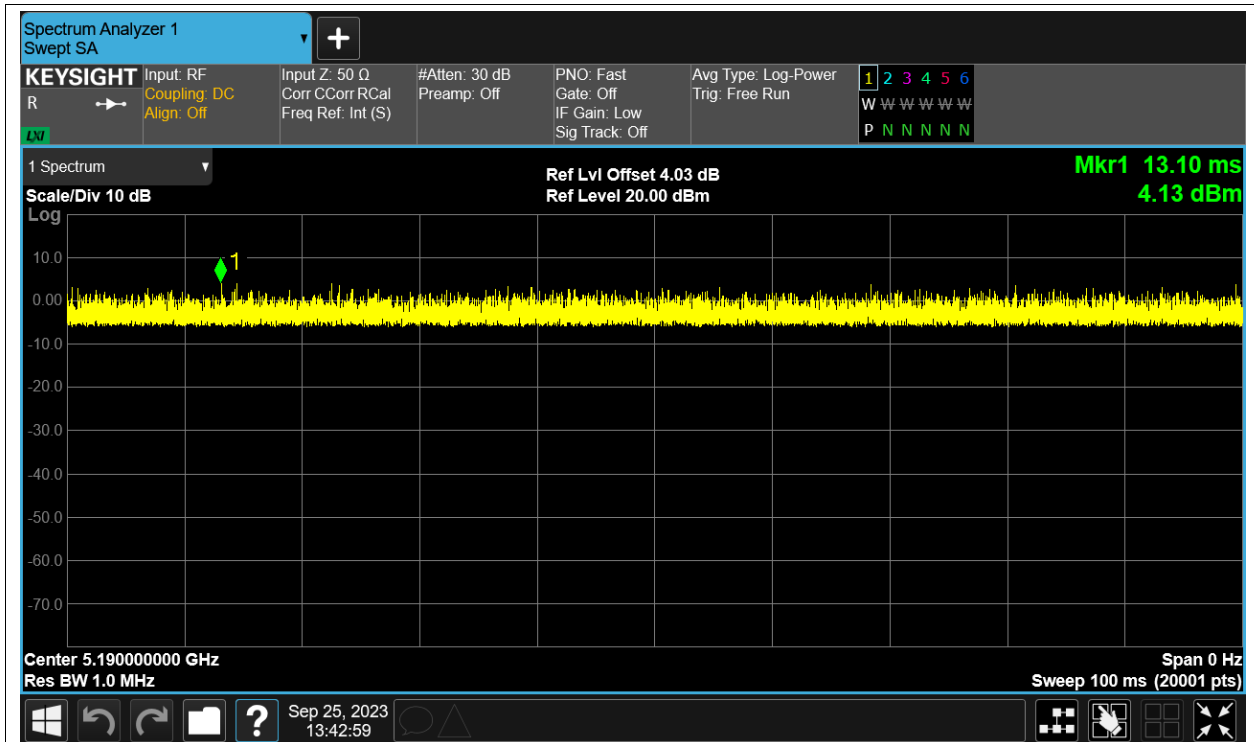
Duty Cycle NVNT n20 5200MHz Ant12



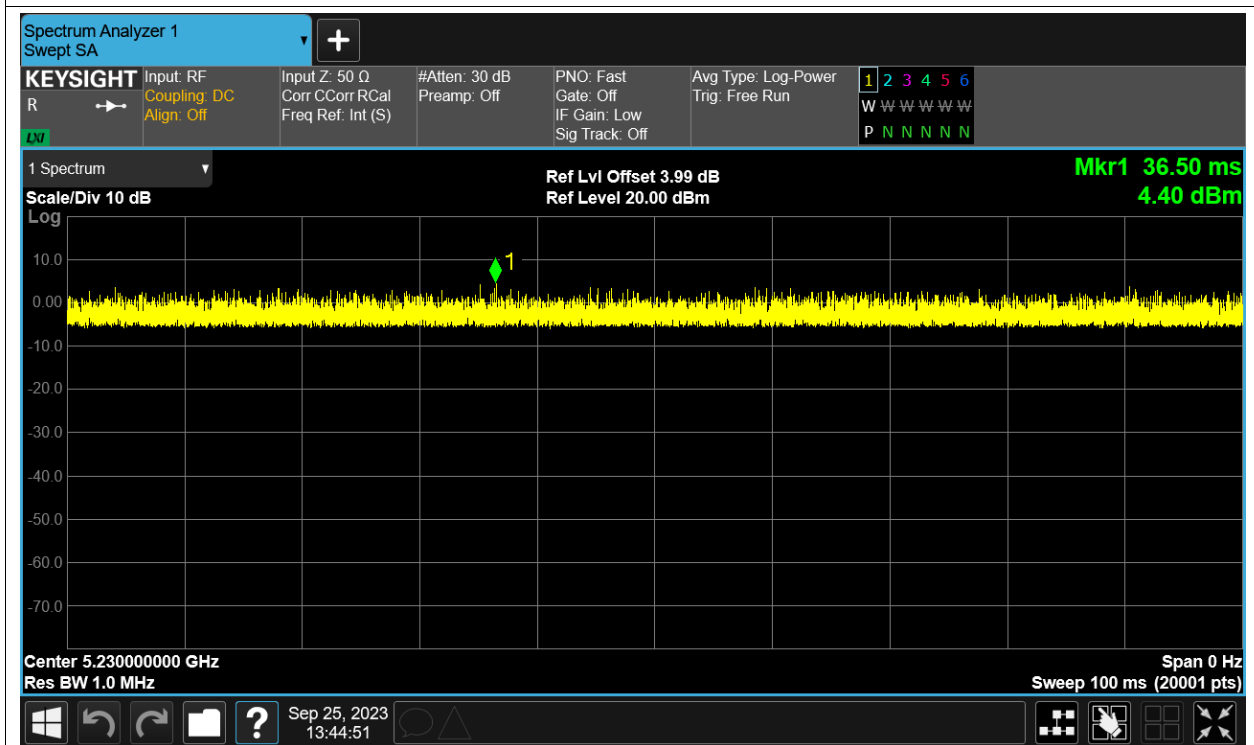
Duty Cycle NVNT n20 5240MHz Ant12



Duty Cycle NVNT n40 5190MHz Ant12



Duty Cycle NVNT n40 5230MHz Ant12



## Maximum Conducted Output Power

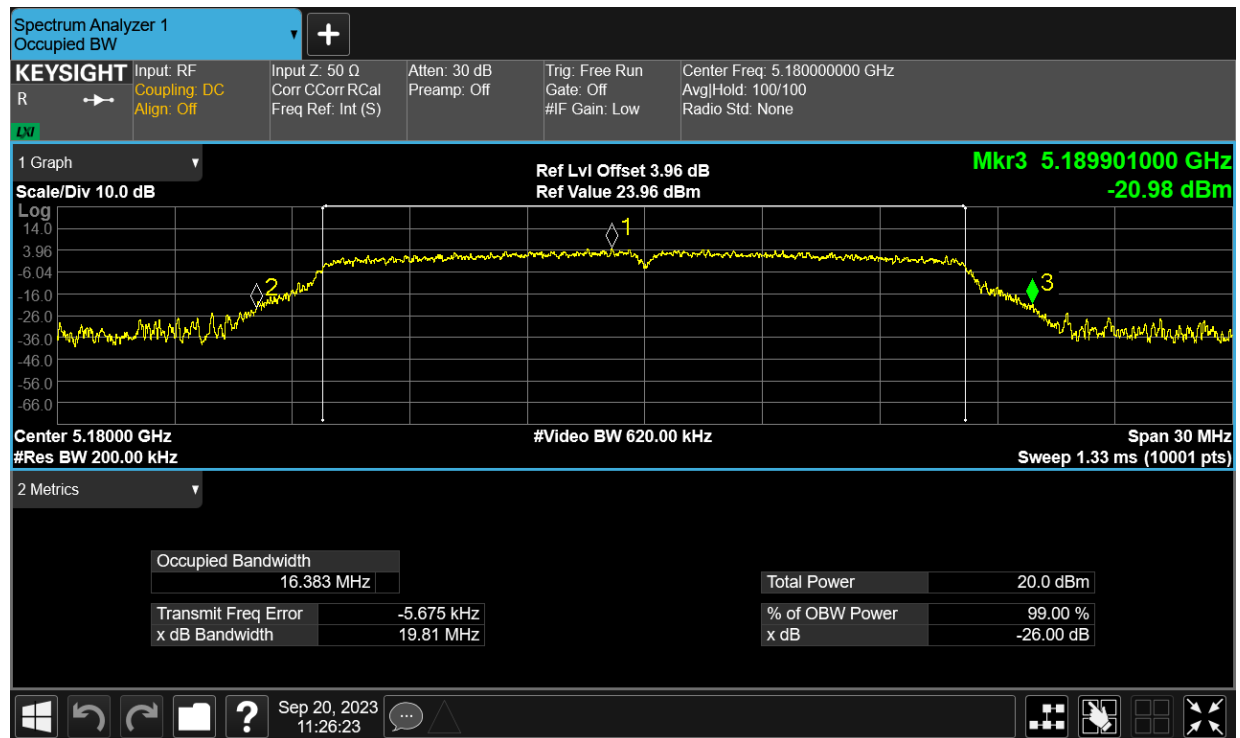
| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Duty Factor<br>(dB) | Total Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------------|---------------------|----------------------|----------------|---------|
| NVNT      | a    | 5180               | Ant12   | 15.84                    | 0                   | 15.84                | 24             | Pass    |
| NVNT      | a    | 5200               | Ant12   | 15.1                     | 0                   | 15.1                 | 24             | Pass    |
| NVNT      | a    | 5240               | Ant12   | 16.1                     | 0                   | 16.1                 | 24             | Pass    |
| NVNT      | ac20 | 5180               | Ant12   | 13.78                    | 0                   | 13.78                | 24             | Pass    |
| NVNT      | ac20 | 5200               | Ant12   | 14.12                    | 0                   | 14.12                | 24             | Pass    |
| NVNT      | ac20 | 5240               | Ant12   | 14.96                    | 0                   | 14.96                | 24             | Pass    |
| NVNT      | ac40 | 5190               | Ant12   | 11.87                    | 0                   | 11.87                | 24             | Pass    |
| NVNT      | ac40 | 5230               | Ant12   | 12.02                    | 0                   | 12.02                | 24             | Pass    |
| NVNT      | ac80 | 5210               | Ant12   | 9.7                      | 0                   | 9.7                  | 24             | Pass    |
| NVNT      | n20  | 5180               | Ant12   | 15.35                    | 0                   | 15.35                | 24             | Pass    |
| NVNT      | n20  | 5200               | Ant12   | 15.25                    | 0                   | 15.25                | 24             | Pass    |
| NVNT      | n20  | 5240               | Ant12   | 15.57                    | 0                   | 15.57                | 24             | Pass    |
| NVNT      | n40  | 5190               | Ant12   | 11.22                    | 0                   | 11.22                | 24             | Pass    |
| NVNT      | n40  | 5230               | Ant12   | 11.42                    | 0                   | 11.42                | 24             | Pass    |

## -26dB Bandwidth

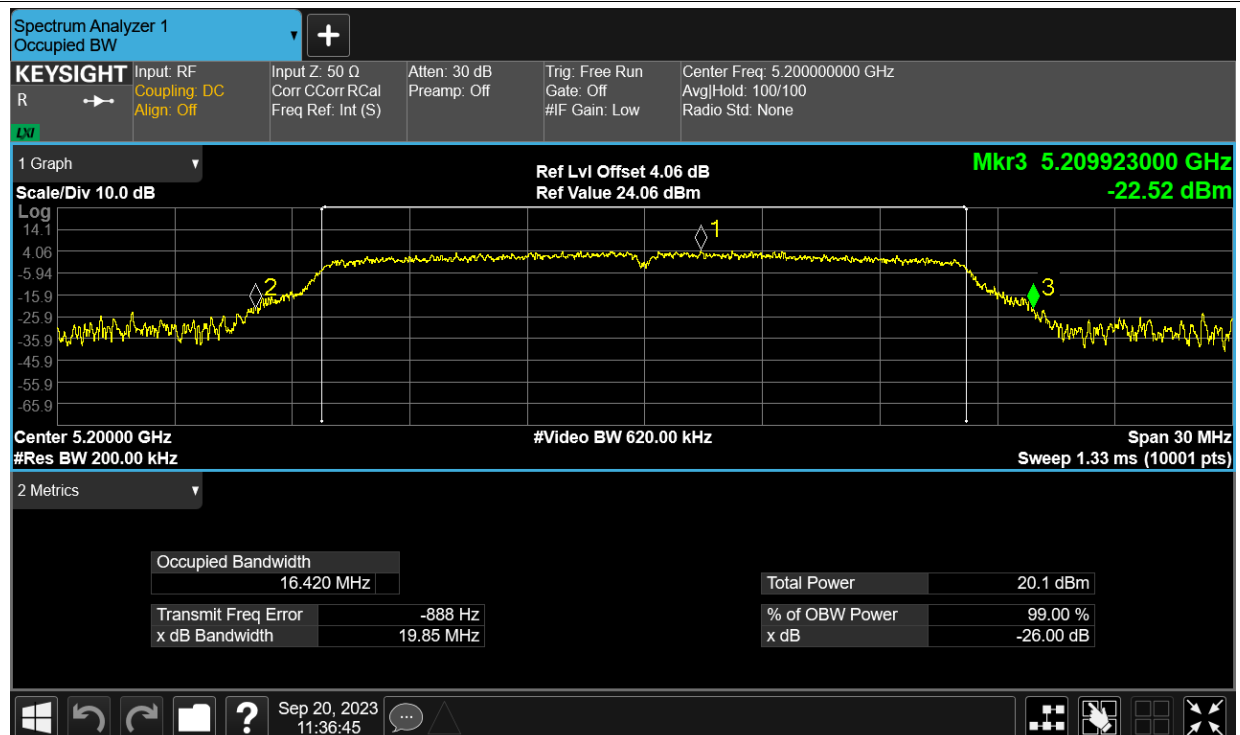
| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) |
|-----------|------|-----------------|---------|------------------------|
| NVNT      | a    | 5180            | Ant12   | 19.813                 |
| NVNT      | a    | 5200            | Ant12   | 19.848                 |
| NVNT      | a    | 5240            | Ant12   | 19.727                 |
| NVNT      | ac20 | 5180            | Ant12   | 20.254                 |
| NVNT      | ac20 | 5200            | Ant12   | 20.222                 |
| NVNT      | ac20 | 5240            | Ant12   | 20.015                 |
| NVNT      | ac40 | 5190            | Ant12   | 39.269                 |
| NVNT      | ac40 | 5230            | Ant12   | 39.261                 |
| NVNT      | ac80 | 5210            | Ant12   | 78.703                 |
| NVNT      | n20  | 5180            | Ant12   | 20.076                 |
| NVNT      | n20  | 5200            | Ant12   | 20.185                 |
| NVNT      | n20  | 5240            | Ant12   | 19.984                 |
| NVNT      | n40  | 5190            | Ant12   | 39.394                 |
| NVNT      | n40  | 5230            | Ant12   | 39.452                 |

## Test Graphs

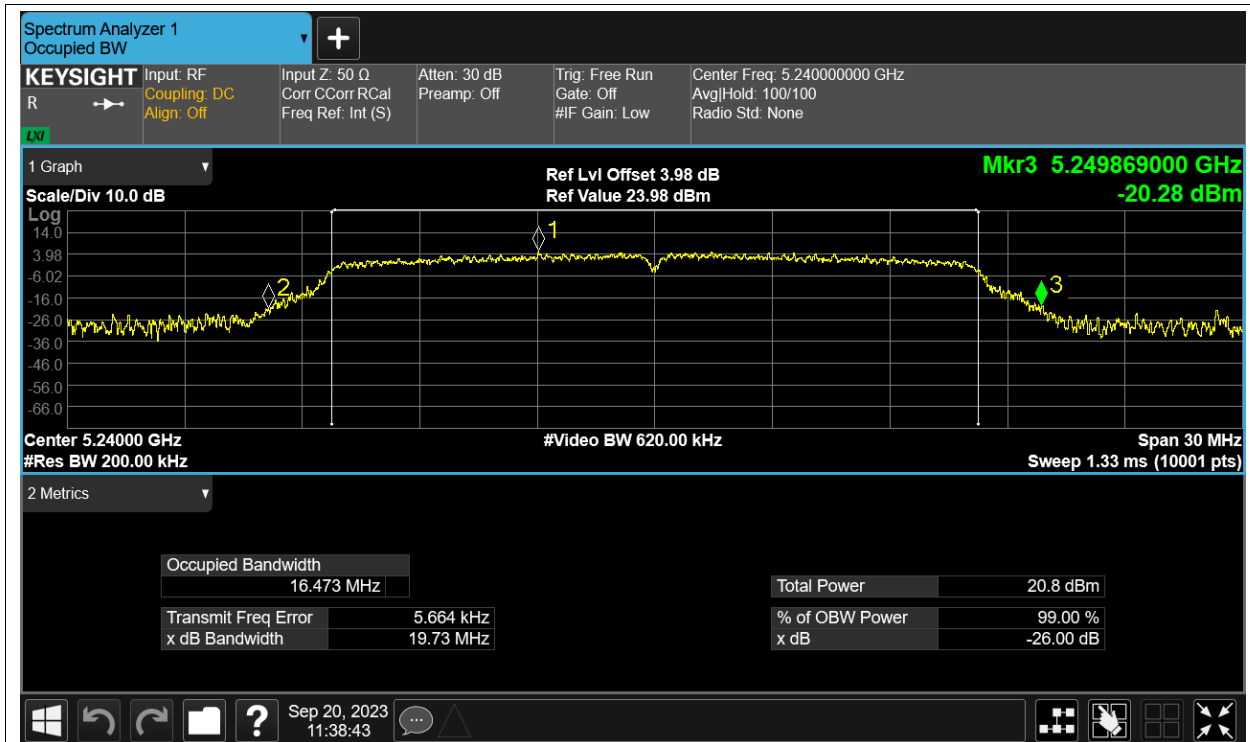
-26dB Bandwidth NVNT a 5180MHz Ant12



-26dB Bandwidth NVNT a 5200MHz Ant12



-26dB Bandwidth NVNT a 5240MHz Ant12



-26dB Bandwidth NVNT ac20 5180MHz Ant12



-26dB Bandwidth NVNT ac20 5200MHz Ant12



-26dB Bandwidth NVNT ac20 5240MHz Ant12



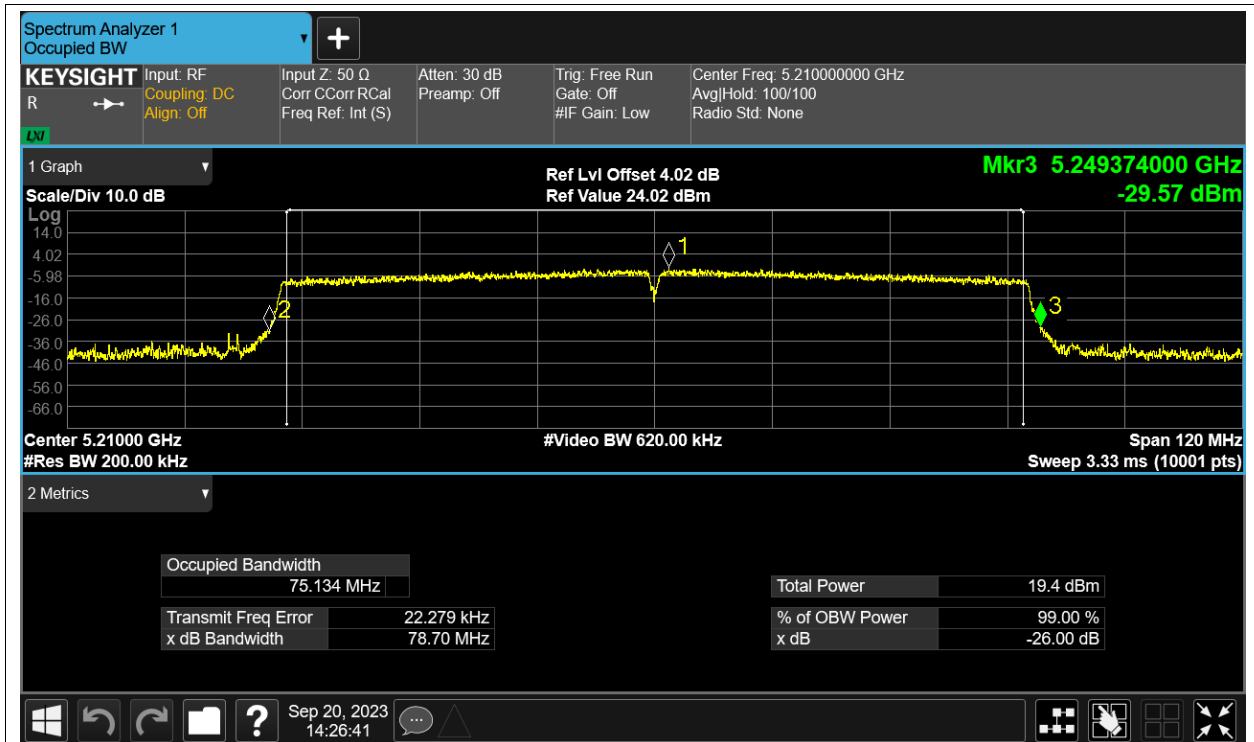
-26dB Bandwidth NVNT ac40 5190MHz Ant12



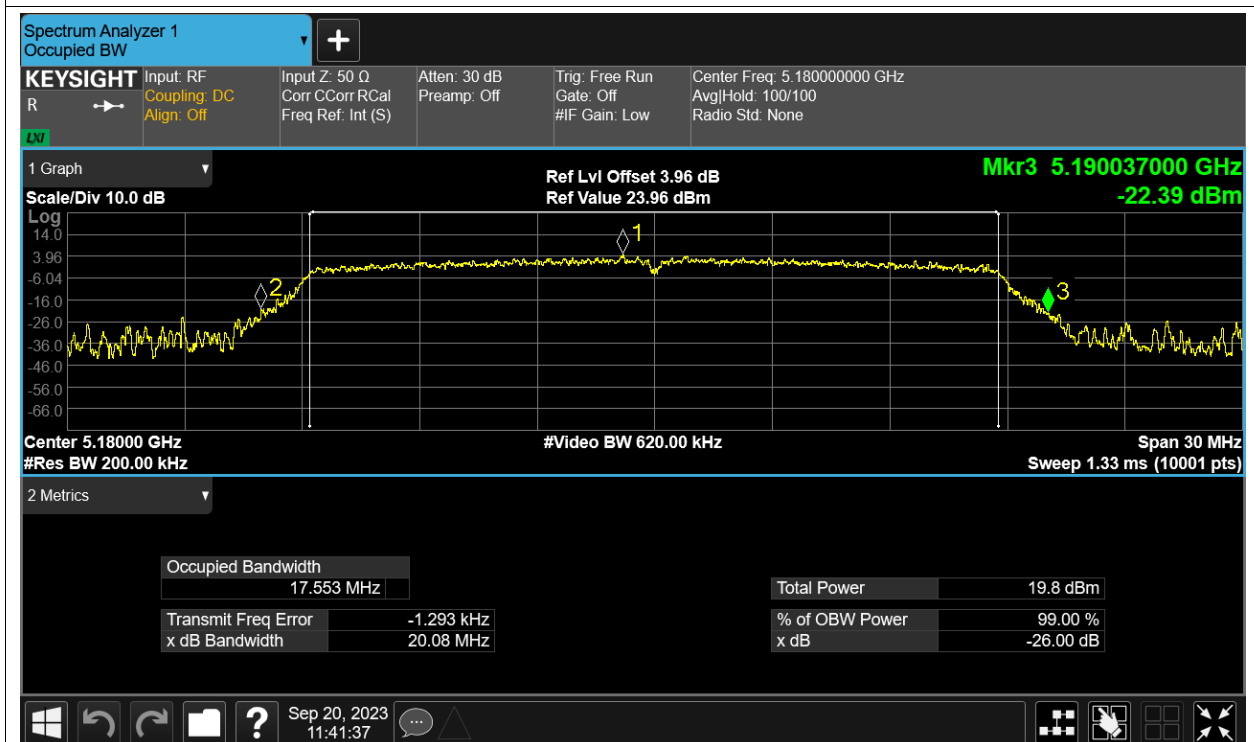
-26dB Bandwidth NVNT ac40 5230MHz Ant12



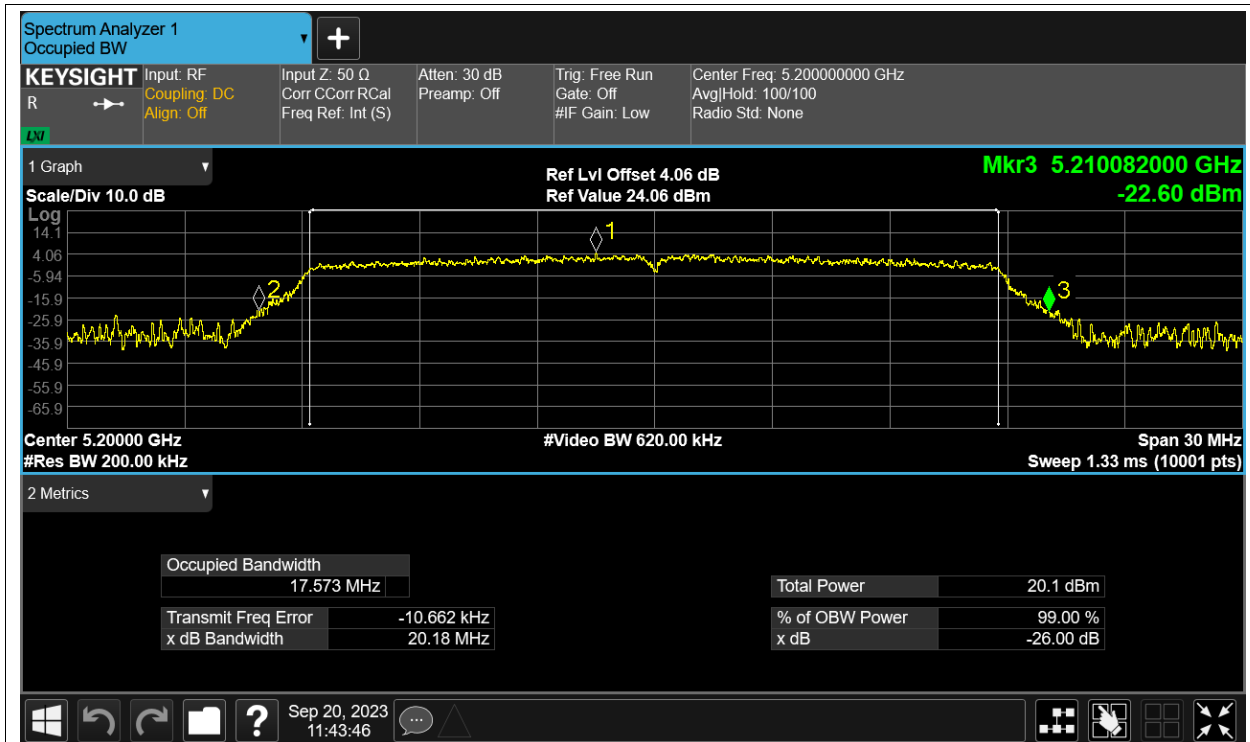
-26dB Bandwidth NVNT ac80 5210MHz Ant12



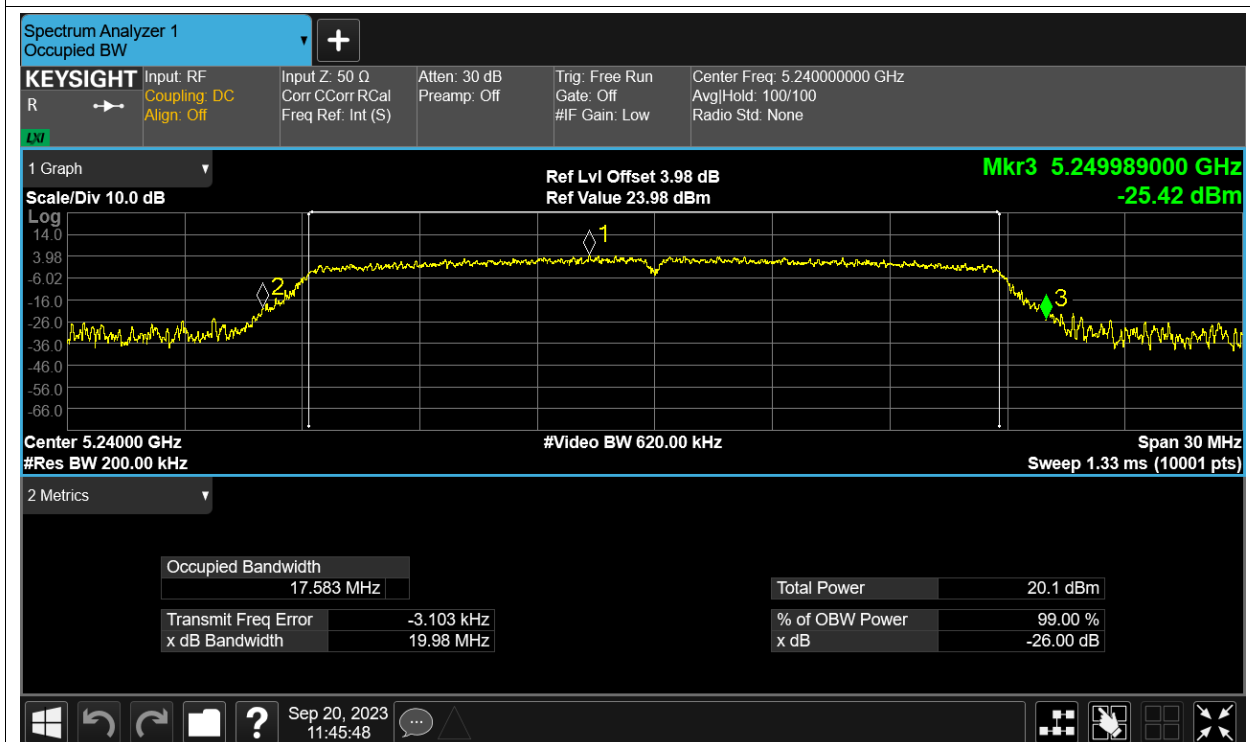
-26dB Bandwidth NVNT n20 5180MHz Ant12



-26dB Bandwidth NVNT n20 5200MHz Ant12



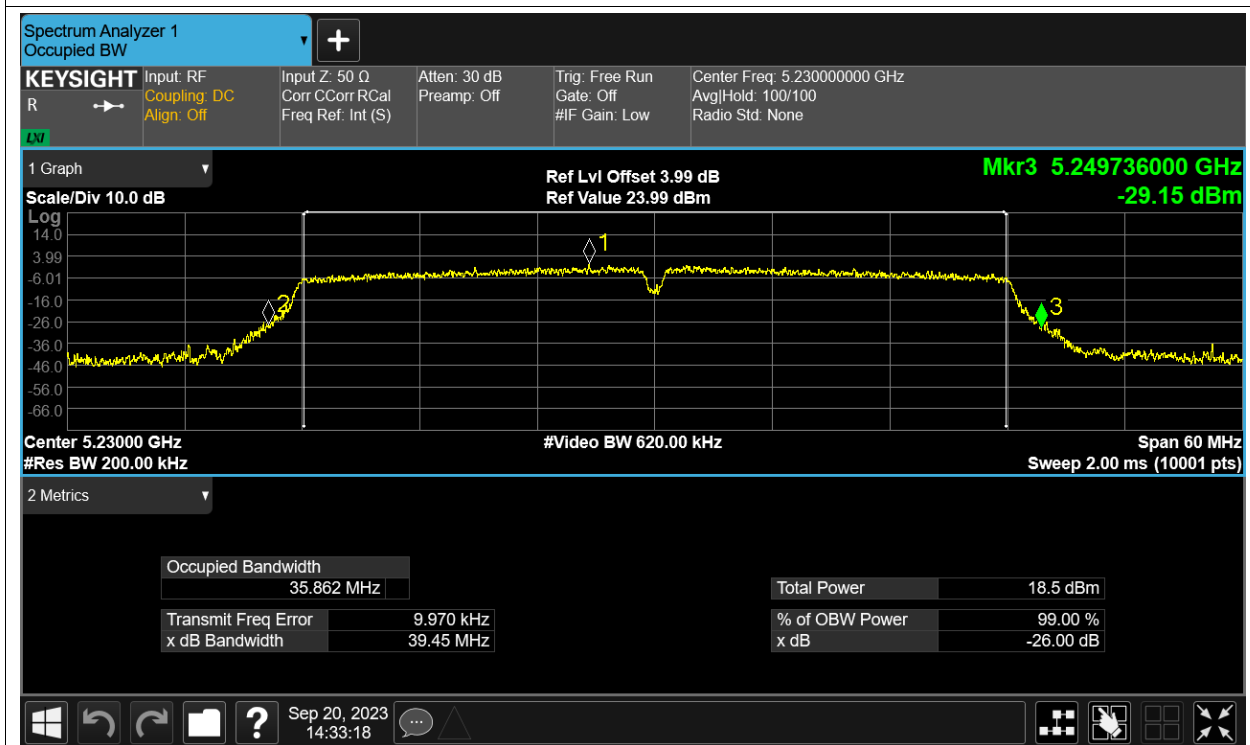
-26dB Bandwidth NVNT n20 5240MHz Ant12



-26dB Bandwidth NVNT n40 5190MHz Ant12



-26dB Bandwidth NVNT n40 5230MHz Ant12

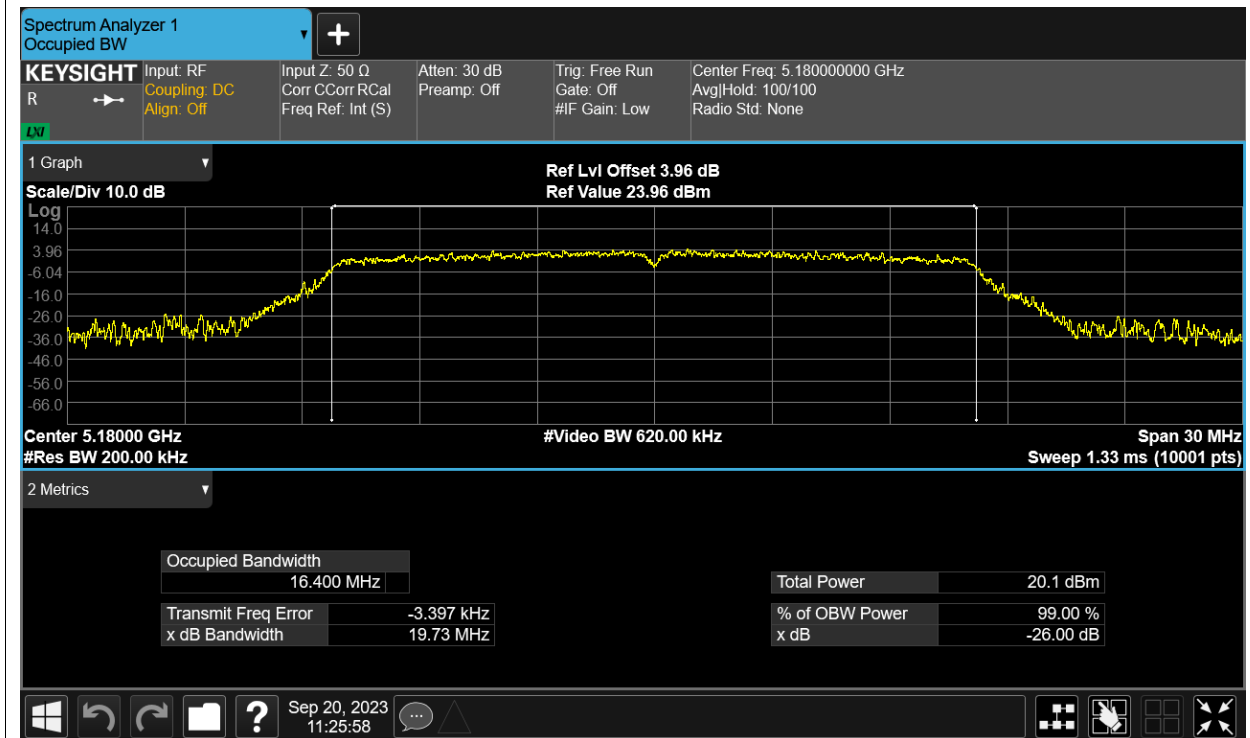


## Occupied Channel Bandwidth

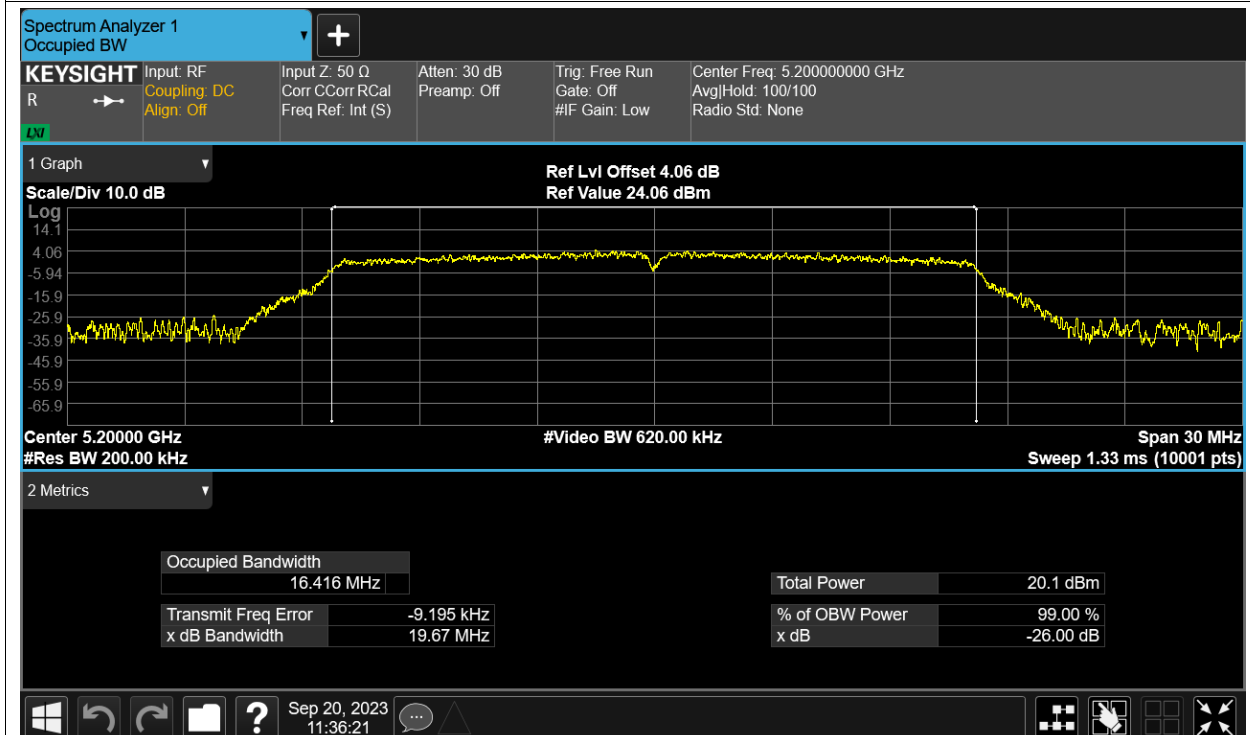
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5180            | Ant12   | 16.4          |
| NVNT      | a    | 5200            | Ant12   | 16.416        |
| NVNT      | a    | 5240            | Ant12   | 16.453        |
| NVNT      | ac20 | 5180            | Ant12   | 17.537        |
| NVNT      | ac20 | 5200            | Ant12   | 17.578        |
| NVNT      | ac20 | 5240            | Ant12   | 17.567        |
| NVNT      | ac40 | 5190            | Ant12   | 35.971        |
| NVNT      | ac40 | 5230            | Ant12   | 35.957        |
| NVNT      | ac80 | 5210            | Ant12   | 75.144        |
| NVNT      | n20  | 5180            | Ant12   | 17.553        |
| NVNT      | n20  | 5200            | Ant12   | 17.578        |
| NVNT      | n20  | 5240            | Ant12   | 17.565        |
| NVNT      | n40  | 5190            | Ant12   | 35.971        |
| NVNT      | n40  | 5230            | Ant12   | 35.955        |

## Test Graphs

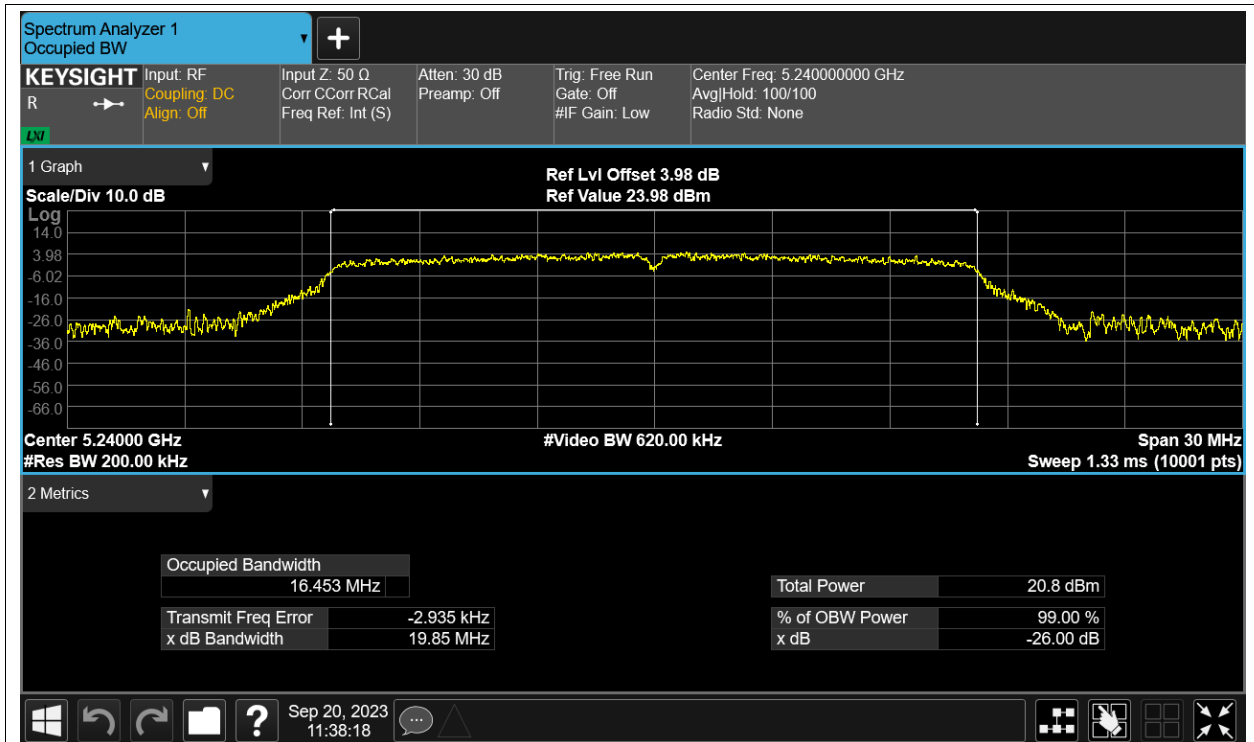
## OBW NVNT a 5180MHz Ant12



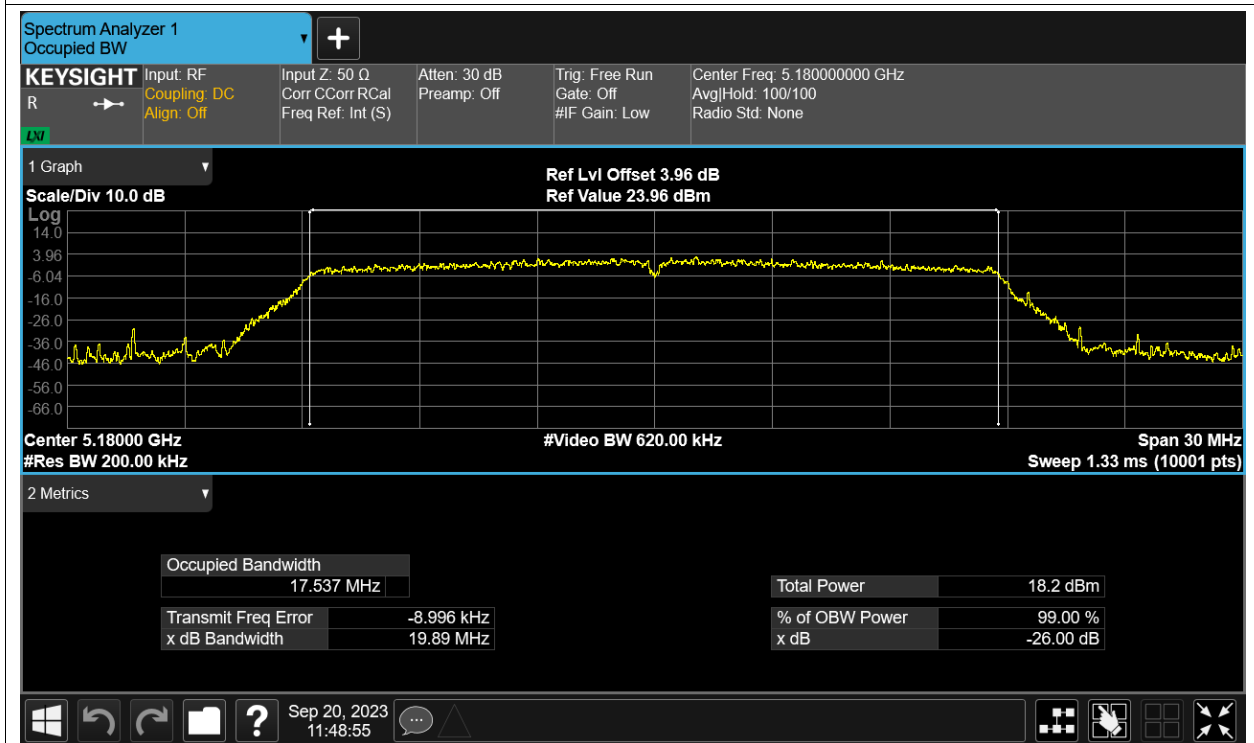
## OBW NVNT a 5200MHz Ant12



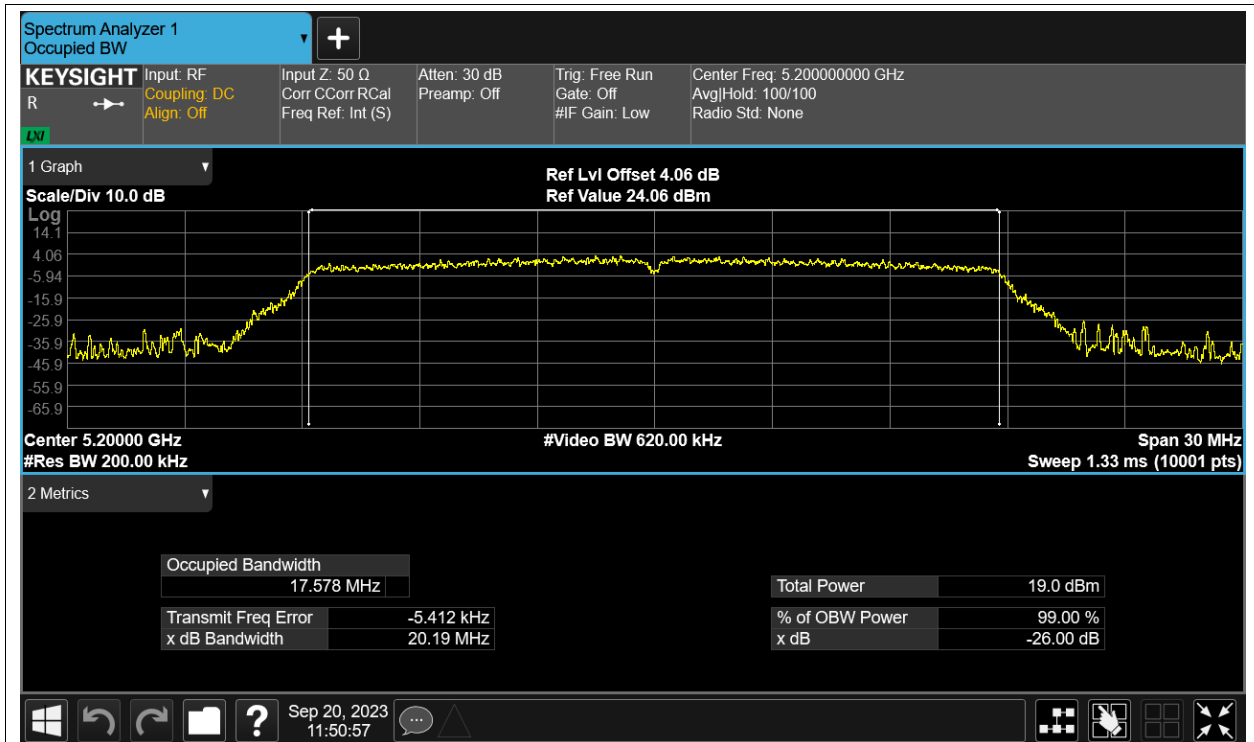
## OBW NVNT a 5240MHz Ant12



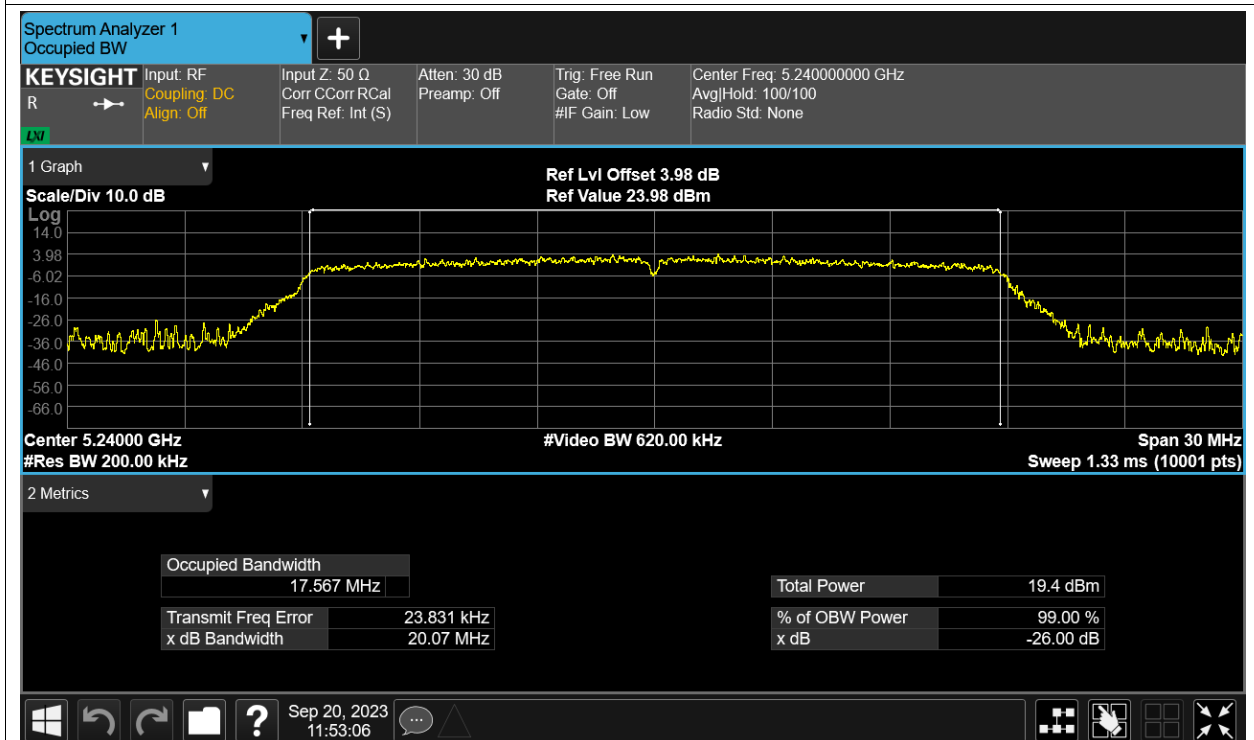
OBW NVNT ac20 5180MHz Ant12



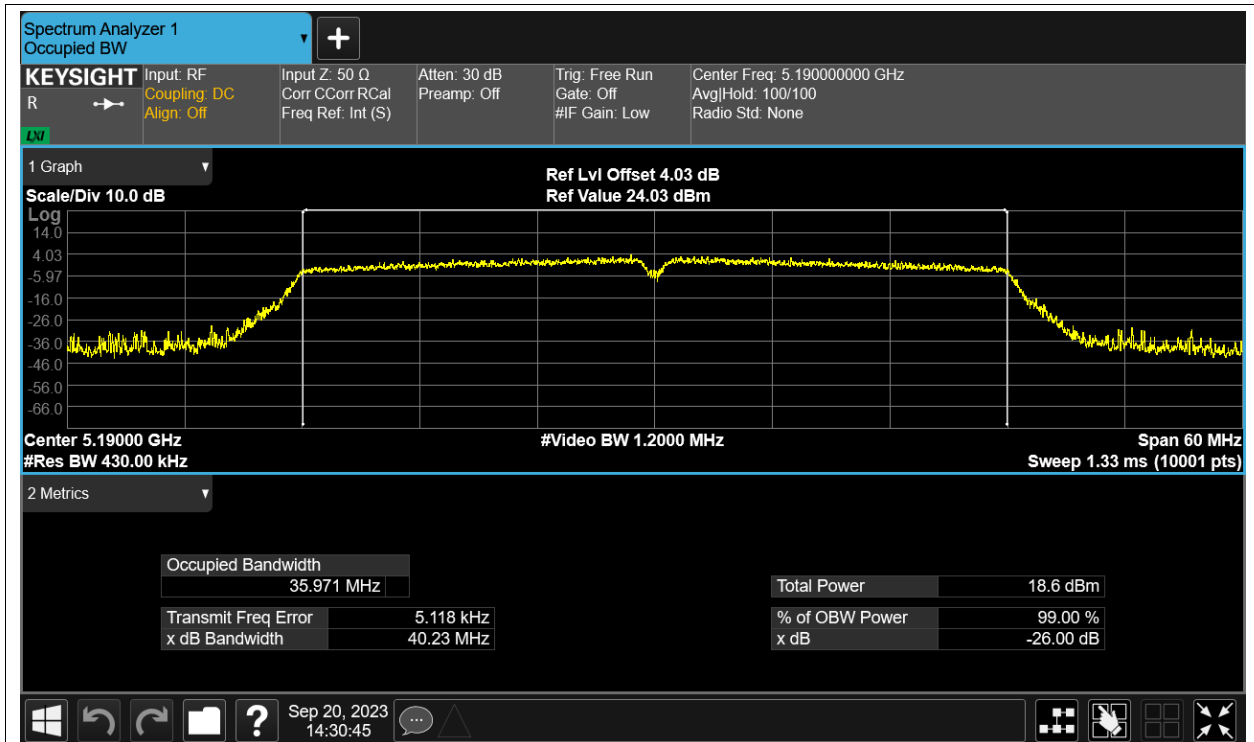
OBW NVNT ac20 5200MHz Ant12



OBW NVNT ac20 5240MHz Ant12



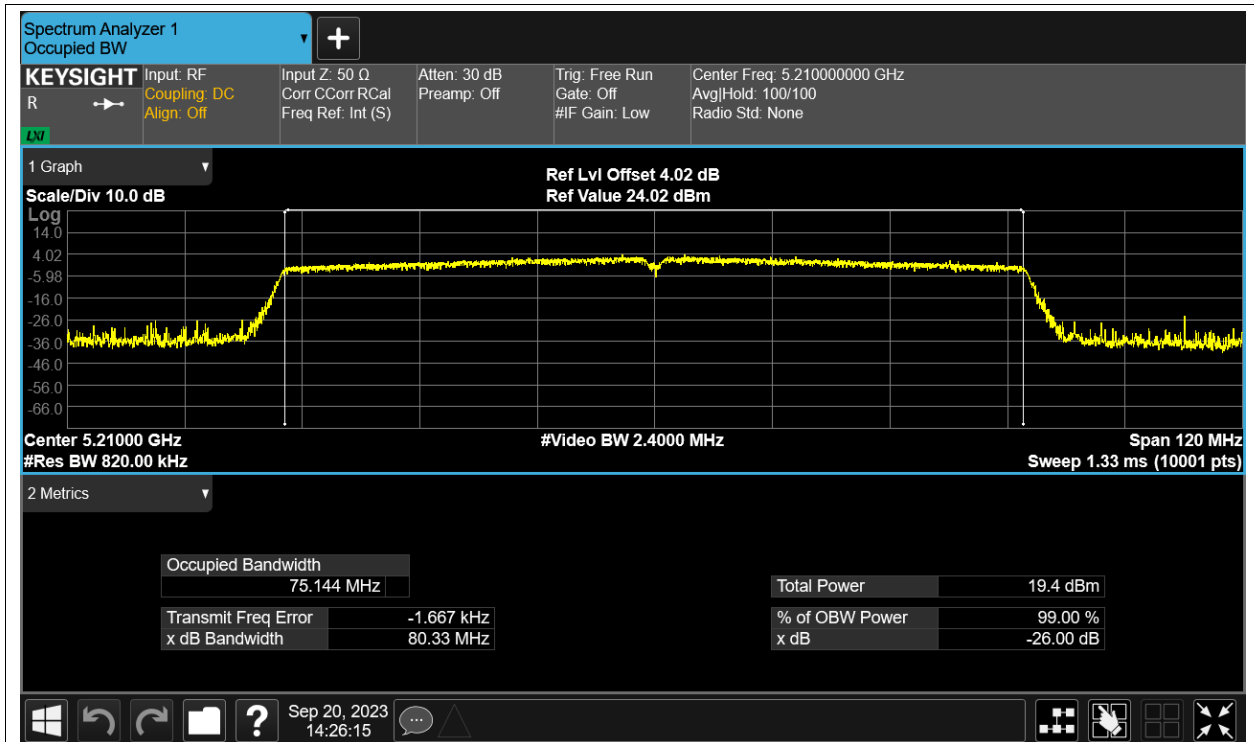
OBW NVNT ac40 5190MHz Ant12



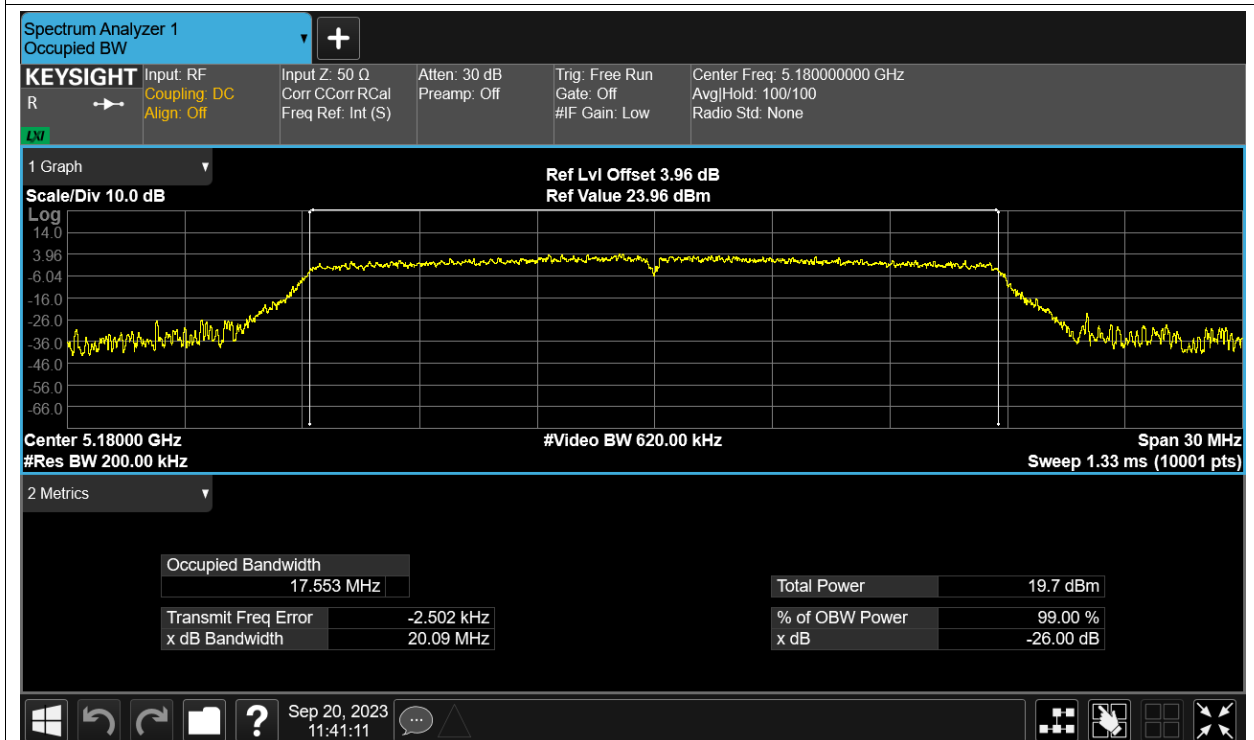
OBW NVNT ac40 5230MHz Ant12



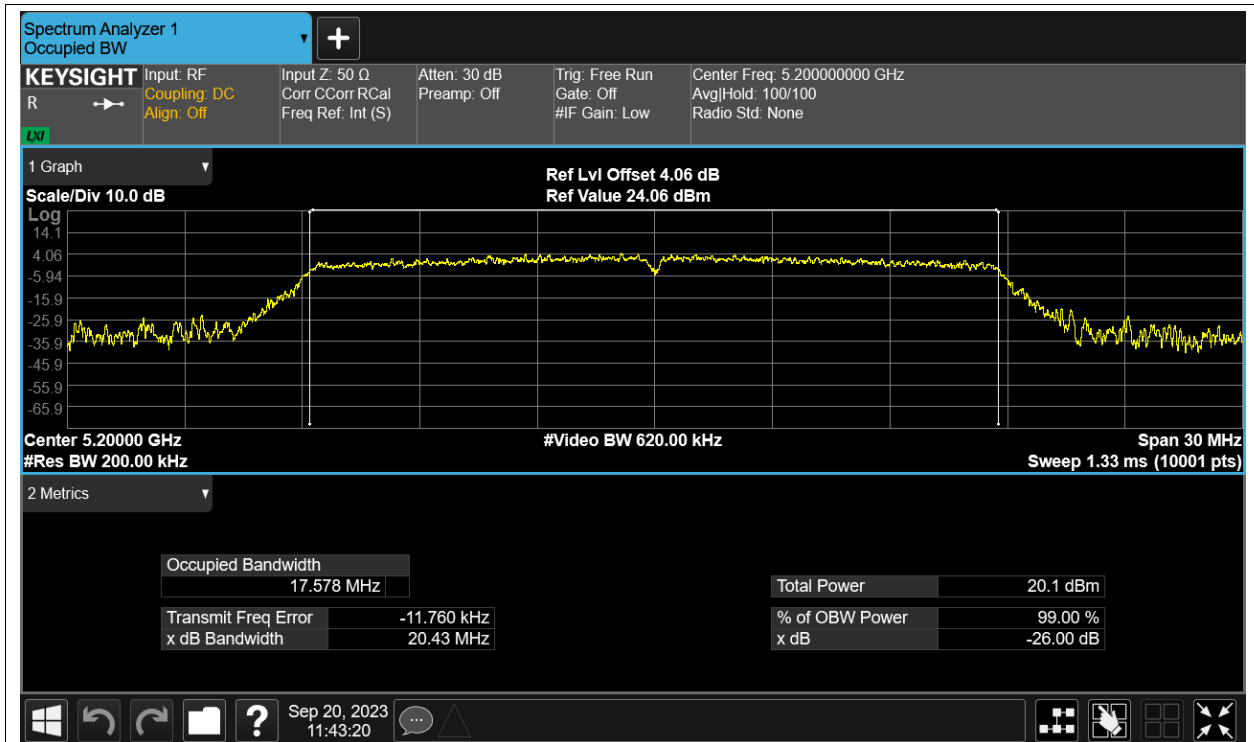
OBW NVNT ac80 5210MHz Ant12



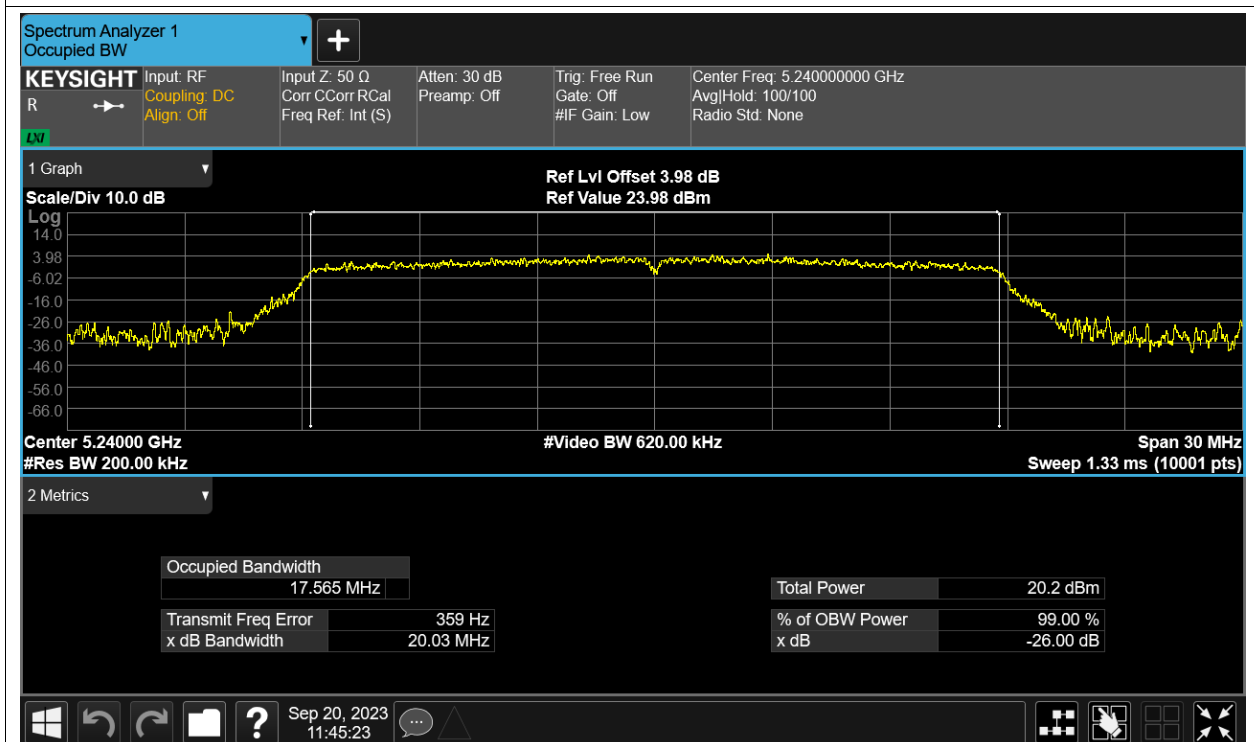
OBW NVNT n20 5180MHz Ant12



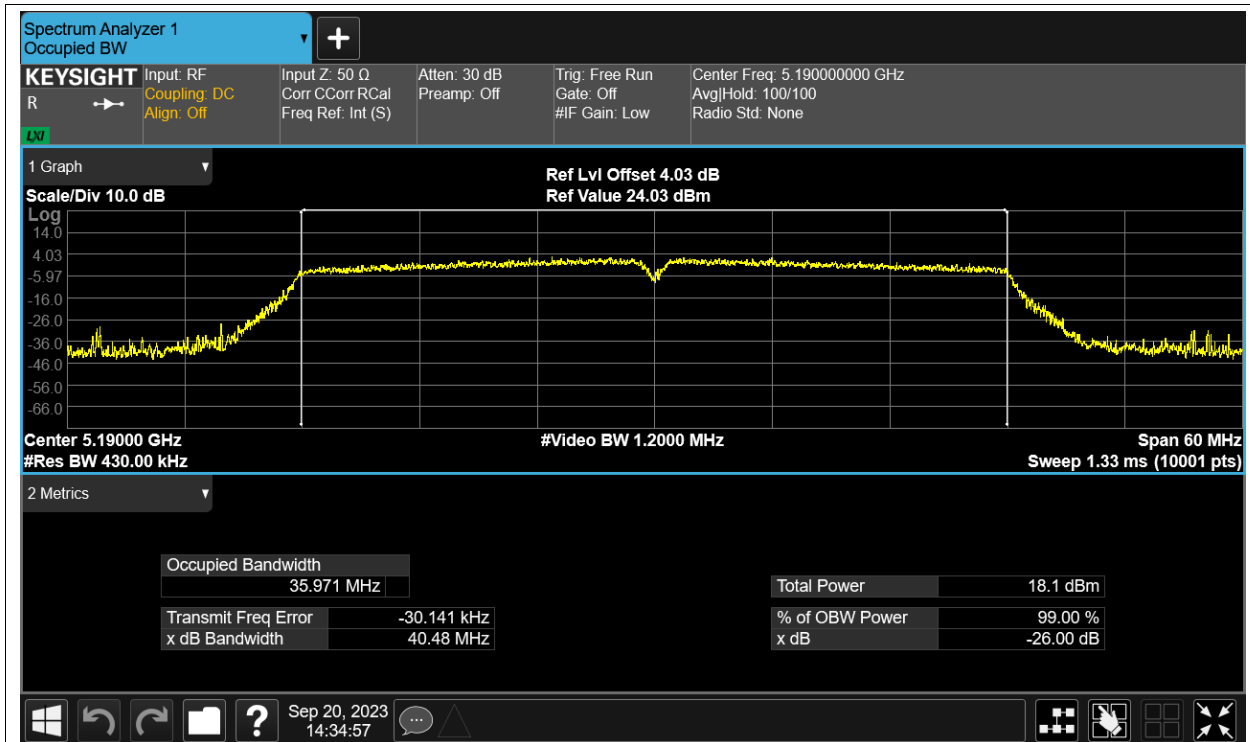
OBW NVNT n20 5200MHz Ant12



OBW NVNT n20 5240MHz Ant12



OBW NVNT n40 5190MHz Ant12



OBW NVNT n40 5230MHz Ant12

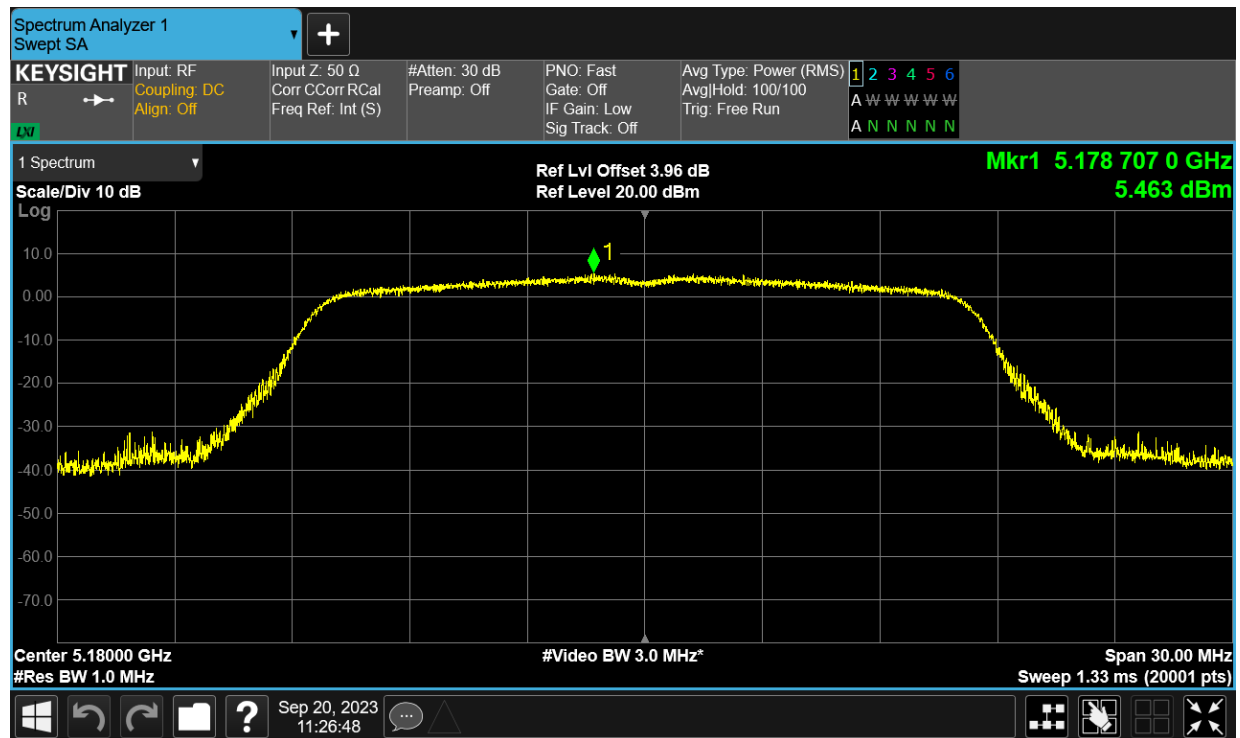


## Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------|-------------|---------|
| NVNT      | a    | 5180            | Ant12   | 5.463         | 11          | Pass    |
| NVNT      | a    | 5200            | Ant12   | 5.144         | 11          | Pass    |
| NVNT      | a    | 5240            | Ant12   | 5.803         | 11          | Pass    |
| NVNT      | ac20 | 5180            | Ant12   | 3.282         | 11          | Pass    |
| NVNT      | ac20 | 5200            | Ant12   | 3.963         | 11          | Pass    |
| NVNT      | ac20 | 5240            | Ant12   | 4.352         | 11          | Pass    |
| NVNT      | ac40 | 5190            | Ant12   | 0.415         | 11          | Pass    |
| NVNT      | ac40 | 5230            | Ant12   | -0.301        | 11          | Pass    |
| NVNT      | ac80 | 5210            | Ant12   | -2.821        | 11          | Pass    |
| NVNT      | n20  | 5180            | Ant12   | 4.752         | 11          | Pass    |
| NVNT      | n20  | 5200            | Ant12   | 5.133         | 11          | Pass    |
| NVNT      | n20  | 5240            | Ant12   | 5.122         | 11          | Pass    |
| NVNT      | n40  | 5190            | Ant12   | 0.068         | 11          | Pass    |
| NVNT      | n40  | 5230            | Ant12   | -0.687        | 11          | Pass    |

Test Graphs

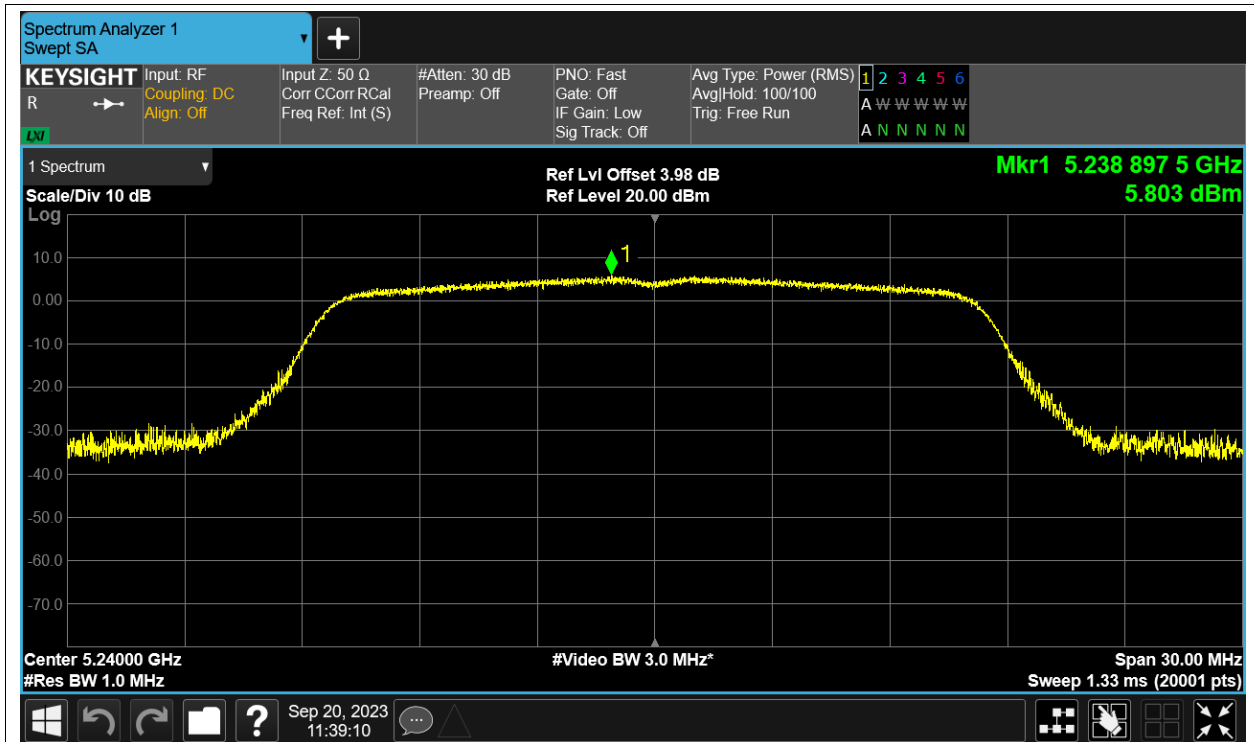
PSD NVNT a 5180MHz Ant12



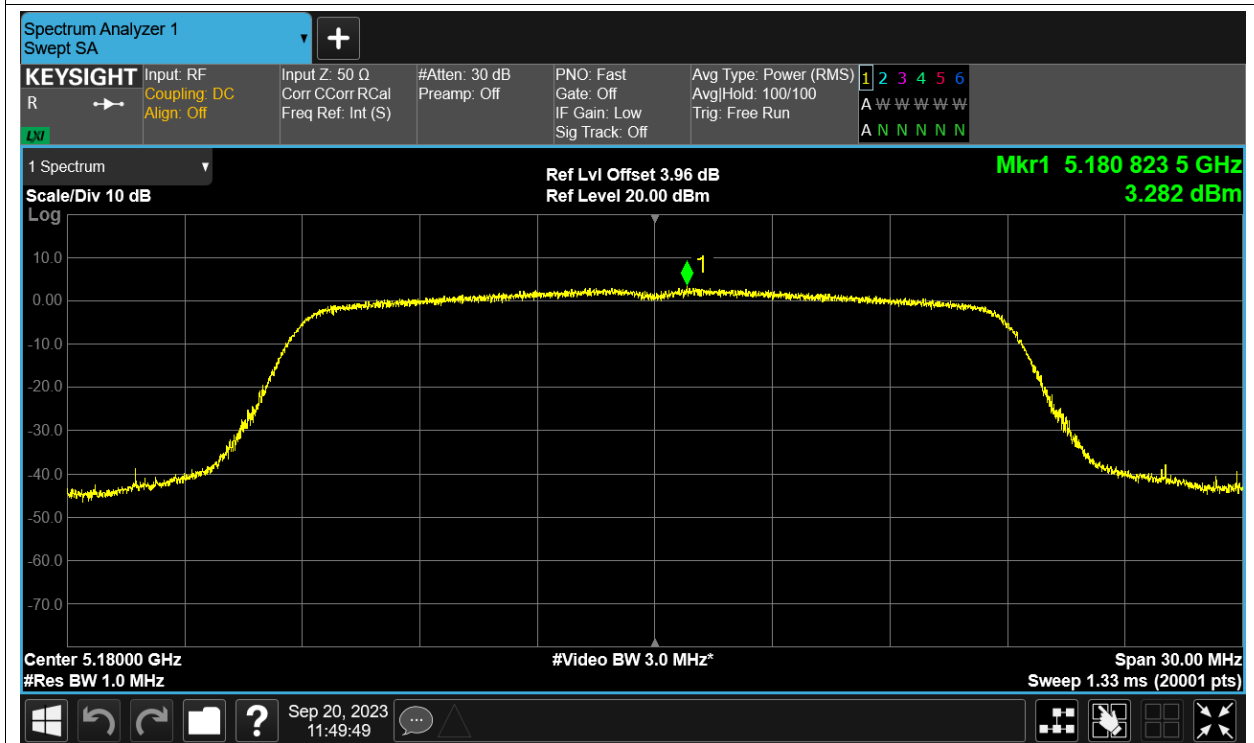
PSD NVNT a 5200MHz Ant12



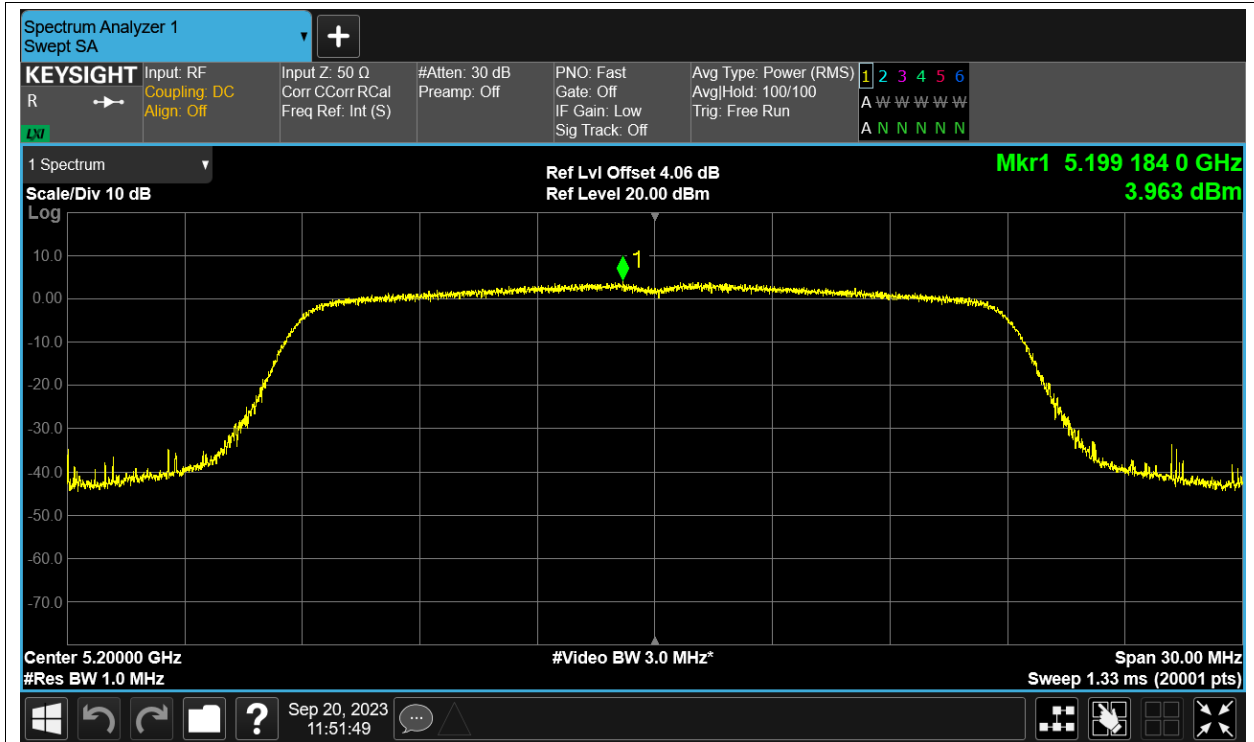
PSD NVNT a 5240MHz Ant12



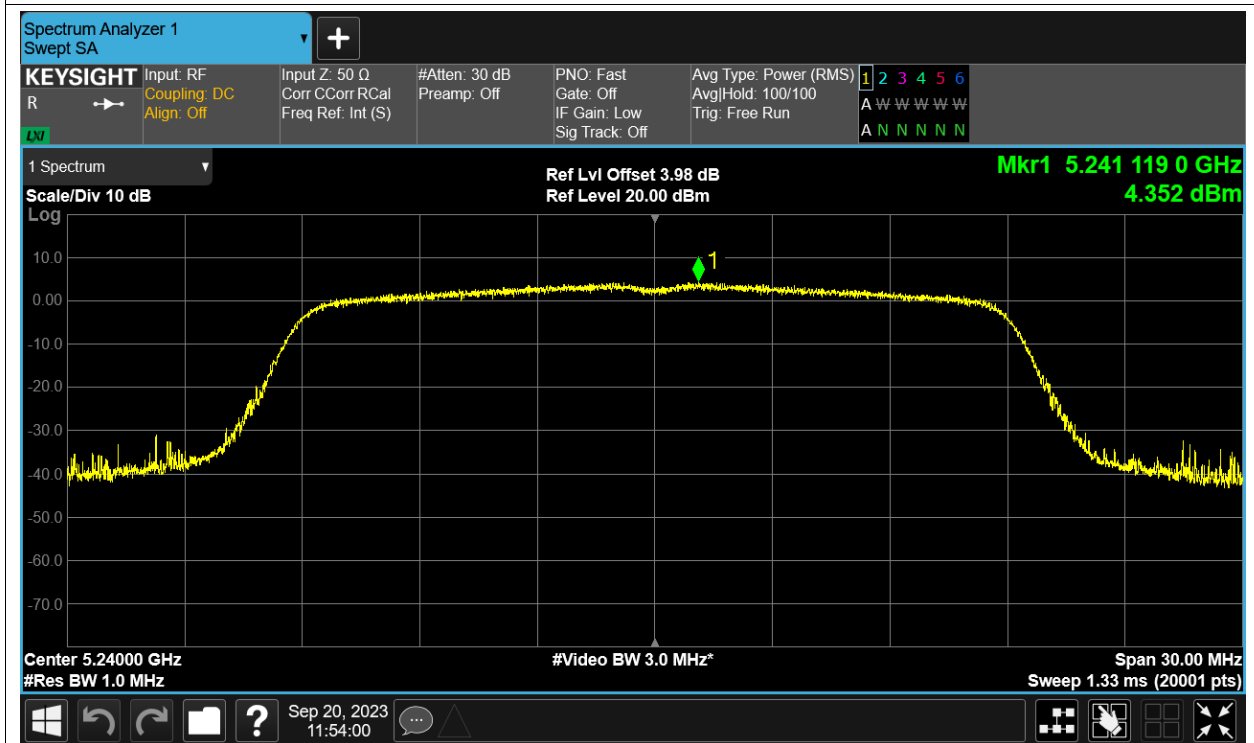
PSD NVNT ac20 5180MHz Ant12



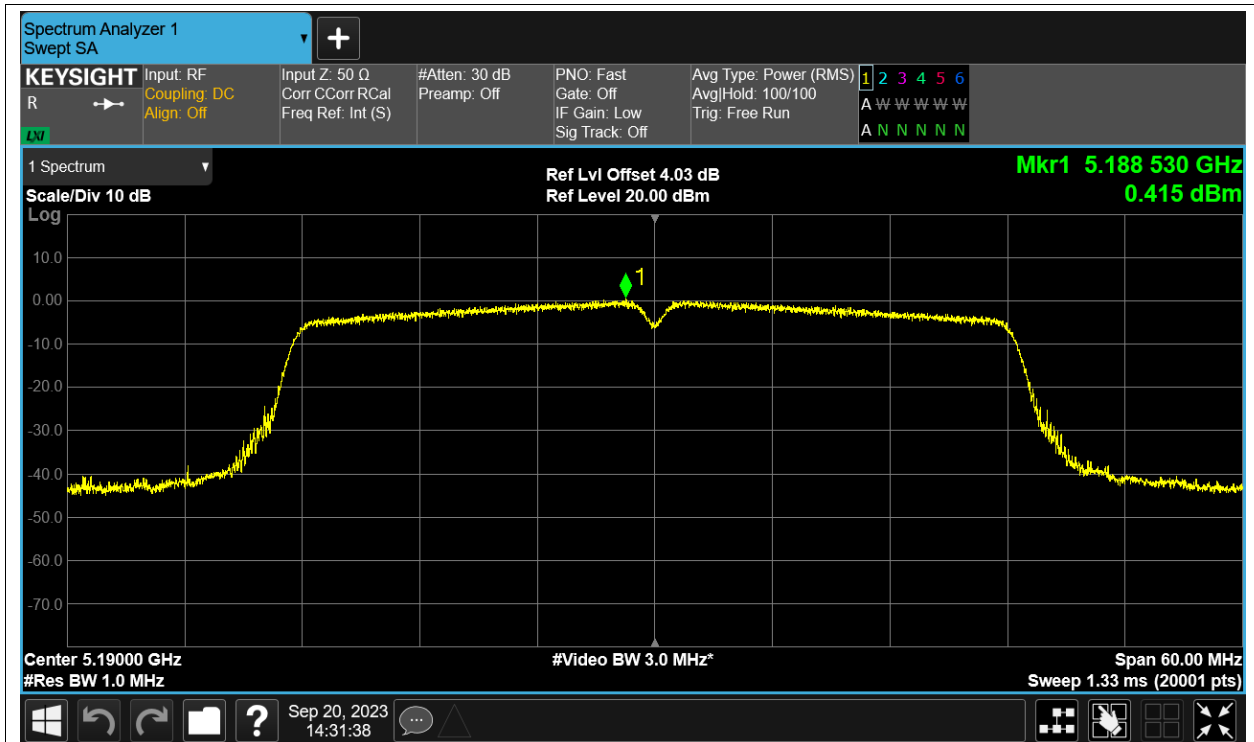
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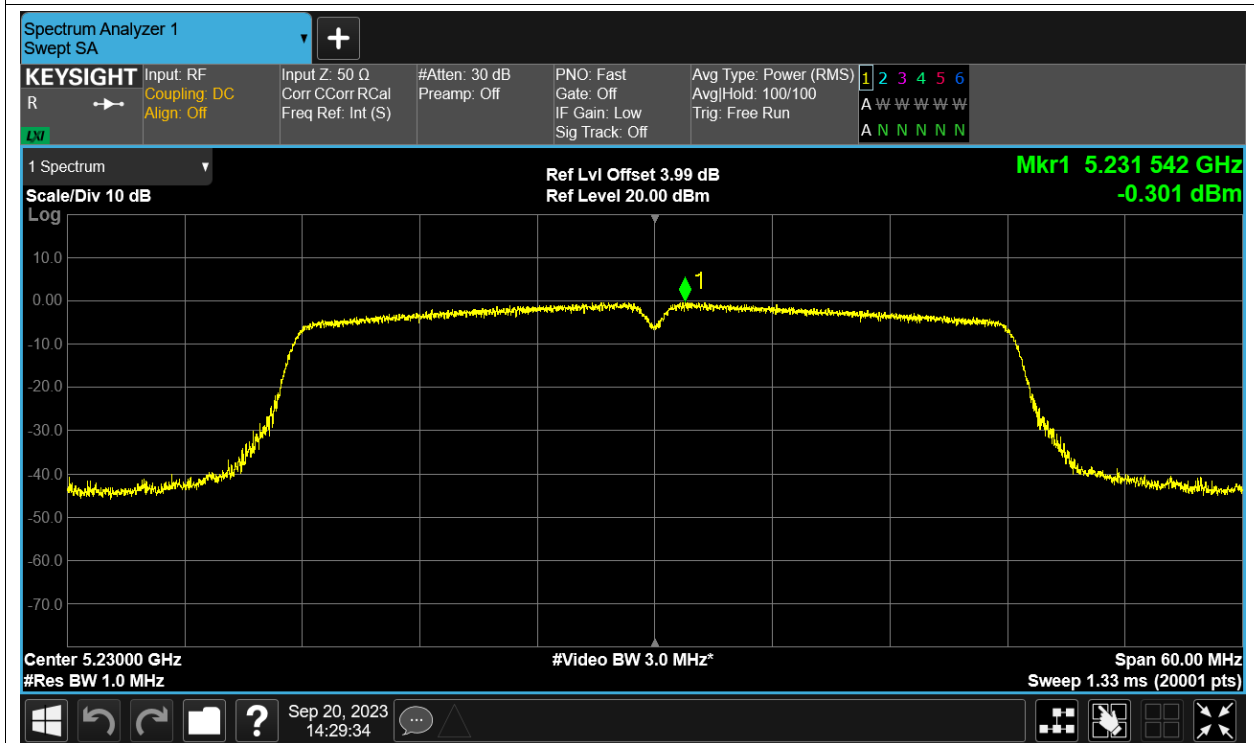
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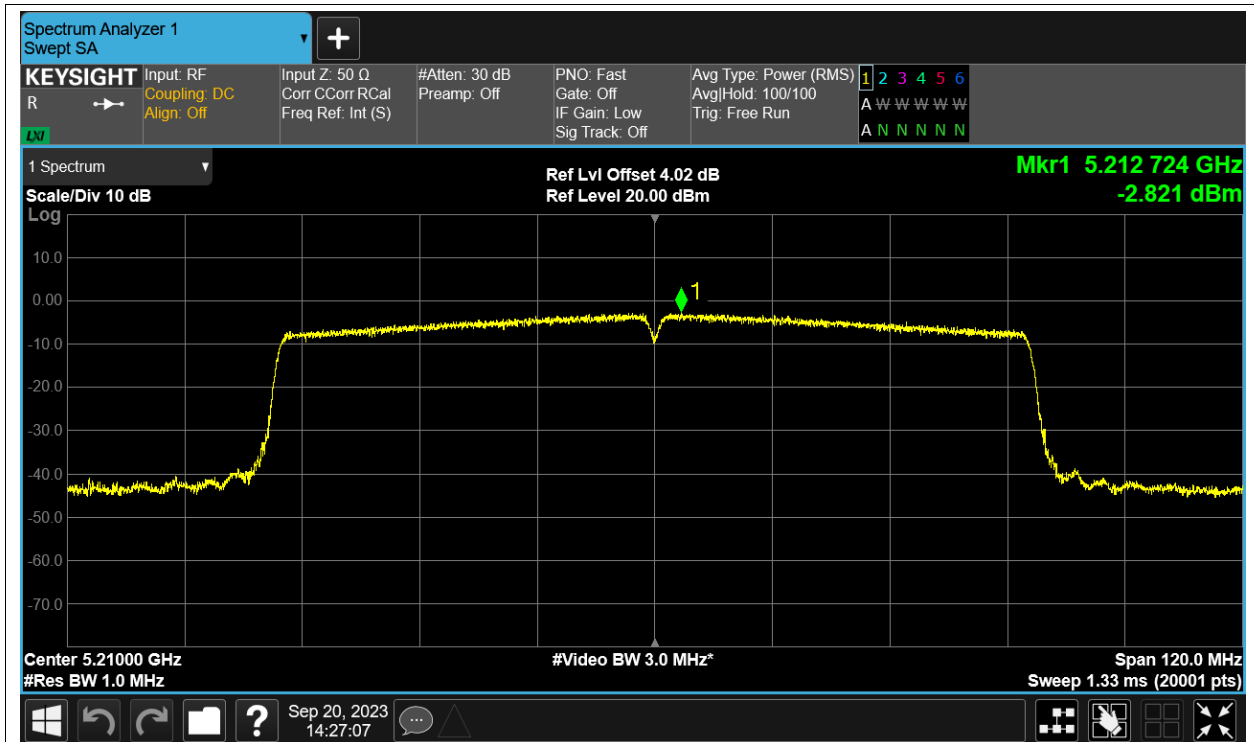
PSD NVNT ac40 5190MHz Ant12



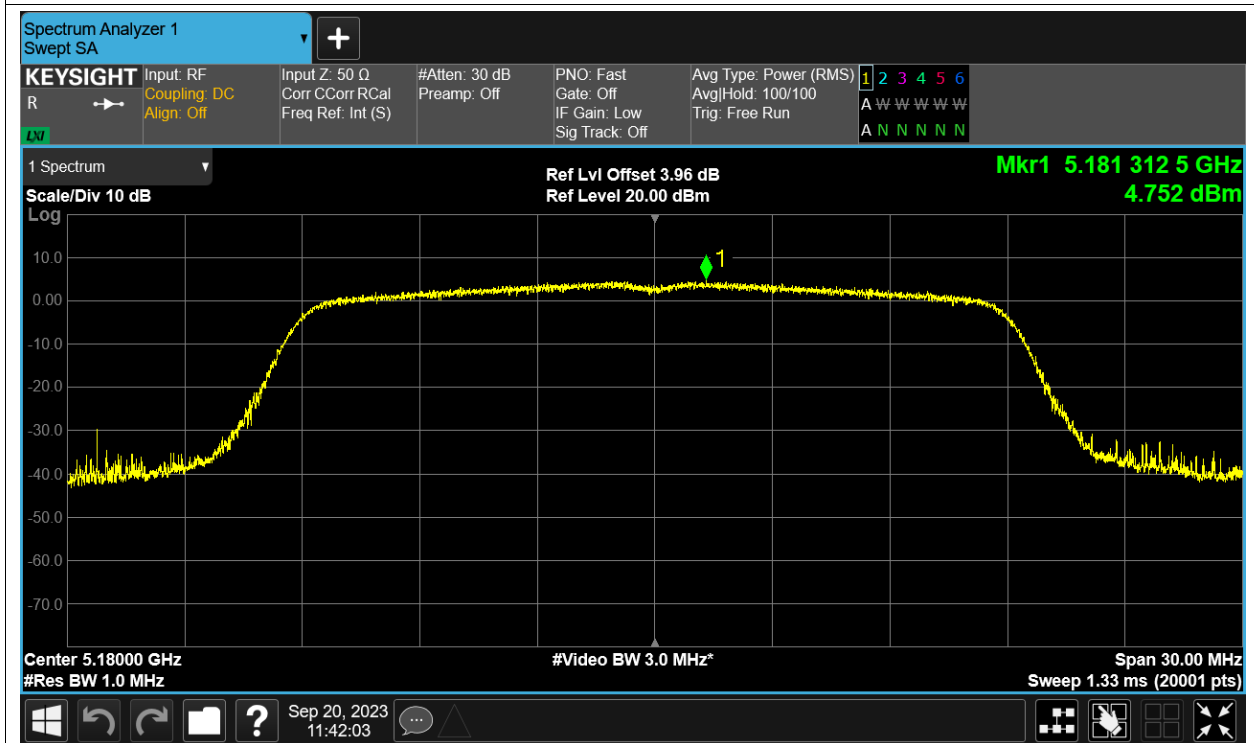
PSD NVNT ac40 5230MHz Ant12



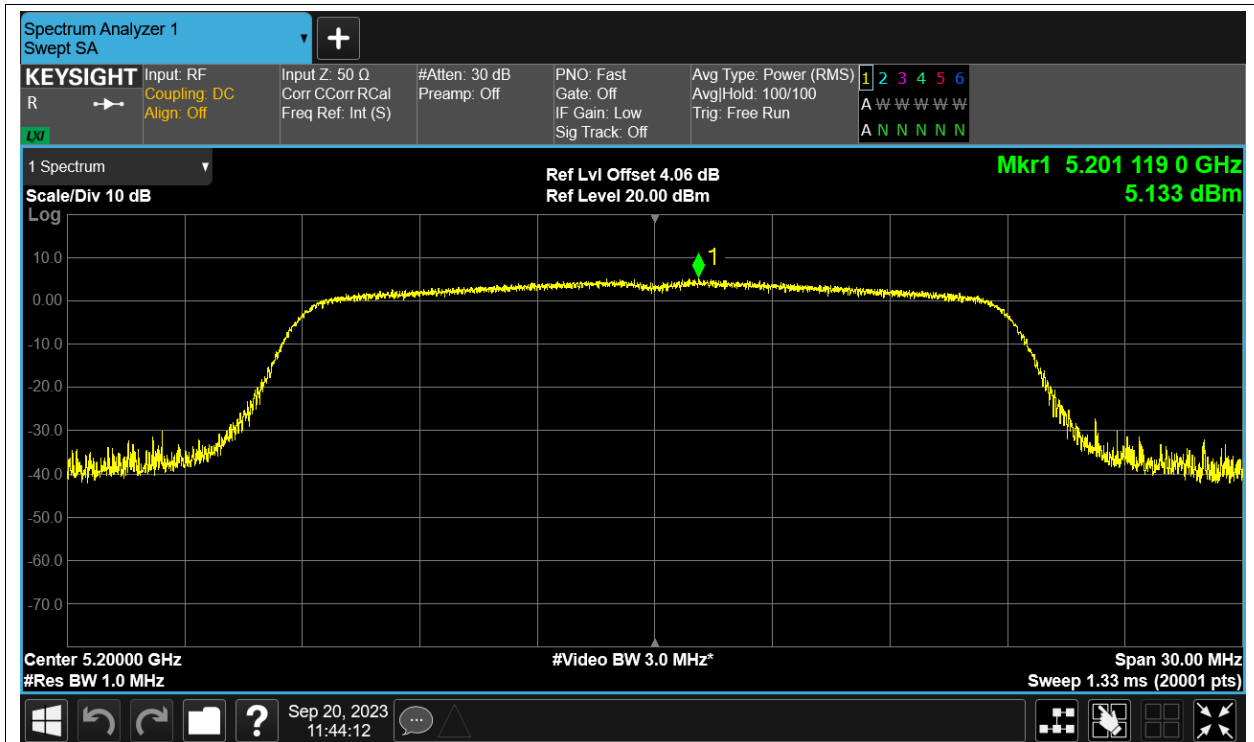
PSD NVNT ac80 5210MHz Ant12



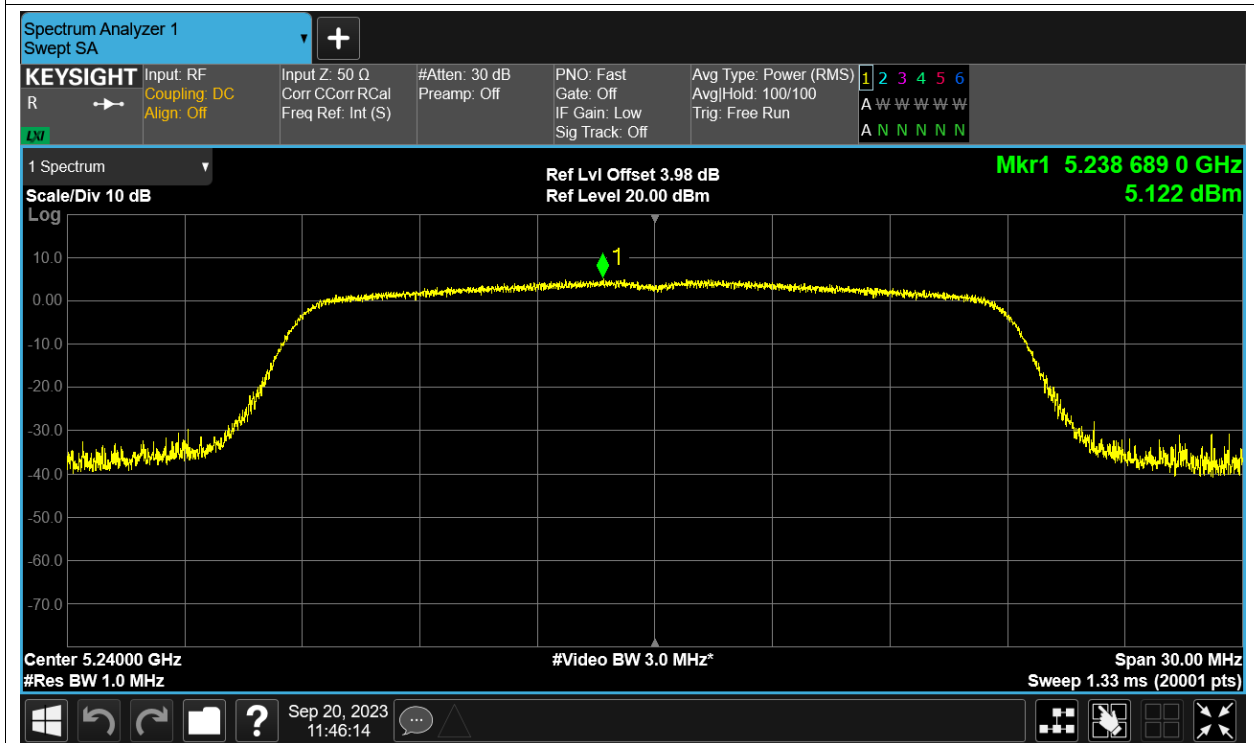
PSD NVNT n20 5180MHz Ant12



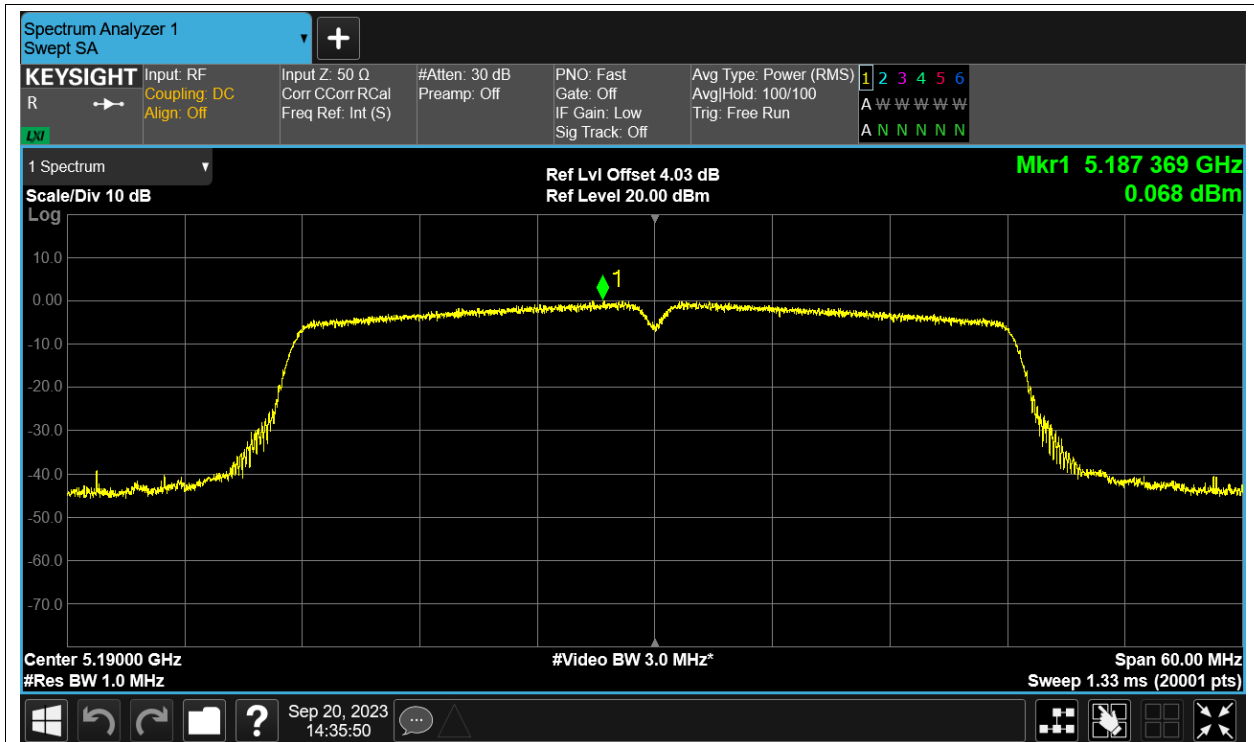
PSD NVNT n20 5200MHz Ant12



PSD NVNT n20 5240MHz Ant12



PSD NVNT n40 5190MHz Ant12



PSD NVNT n40 5230MHz Ant12

