

## Test Data

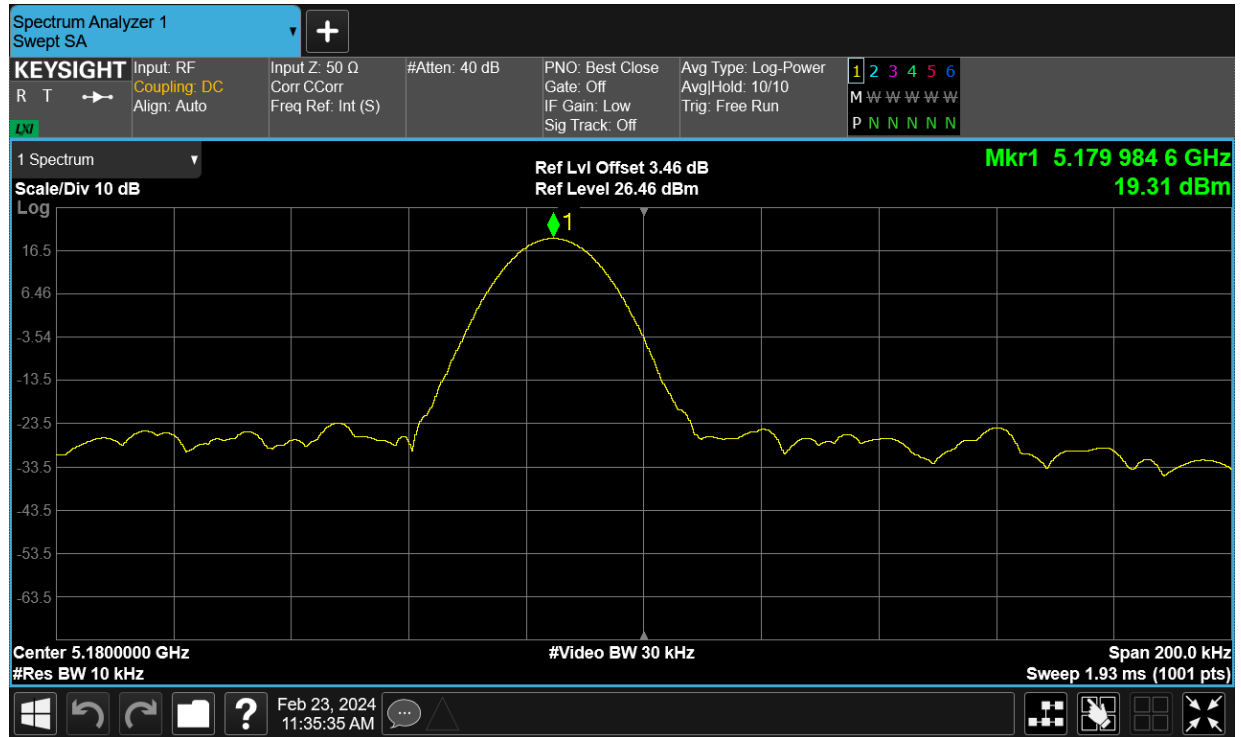
### Frequency Stability

| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Deviation (ppm) | Limit (ppm)            | Verdict |
|-----------|------|-----------------|---------|--------------------------|-----------------|------------------------|---------|
| HVNT      | a    | 5180            | Ant1    | 5179.9846                | -2.97           | Within authorized band | Pass    |
| LVNT      | a    | 5180            | Ant1    | 5179.985                 | -2.9            |                        | Pass    |
| NVHT      | a    | 5180            | Ant1    | 5179.985                 | -2.9            |                        | Pass    |
| NVLT      | a    | 5180            | Ant1    | 5179.9856                | -2.78           |                        | Pass    |
| NVNT      | a    | 5180            | Ant1    | 5179.9862                | -2.66           |                        | Pass    |
| HVNT      | ac80 | 5210            | Ant1    | 5209.985                 | -2.88           |                        | Pass    |
| LVNT      | ac80 | 5210            | Ant1    | 5209.9854                | -2.8            |                        | Pass    |
| NVHT      | ac80 | 5210            | Ant1    | 5209.9856                | -2.76           |                        | Pass    |
| NVLT      | ac80 | 5210            | Ant1    | 5209.9856                | -2.76           |                        | Pass    |
| NVNT      | ac80 | 5210            | Ant1    | 5209.986                 | -2.69           |                        | Pass    |
| HVNT      | n40  | 5190            | Ant1    | 5189.9854                | -2.81           |                        | Pass    |
| LVNT      | n40  | 5190            | Ant1    | 5189.9852                | -2.85           |                        | Pass    |
| NVHT      | n40  | 5190            | Ant1    | 5189.9854                | -2.81           |                        | Pass    |
| NVLT      | n40  | 5190            | Ant1    | 5189.9856                | -2.77           |                        | Pass    |
| NVNT      | n40  | 5190            | Ant1    | 5189.9856                | -2.77           |                        | Pass    |

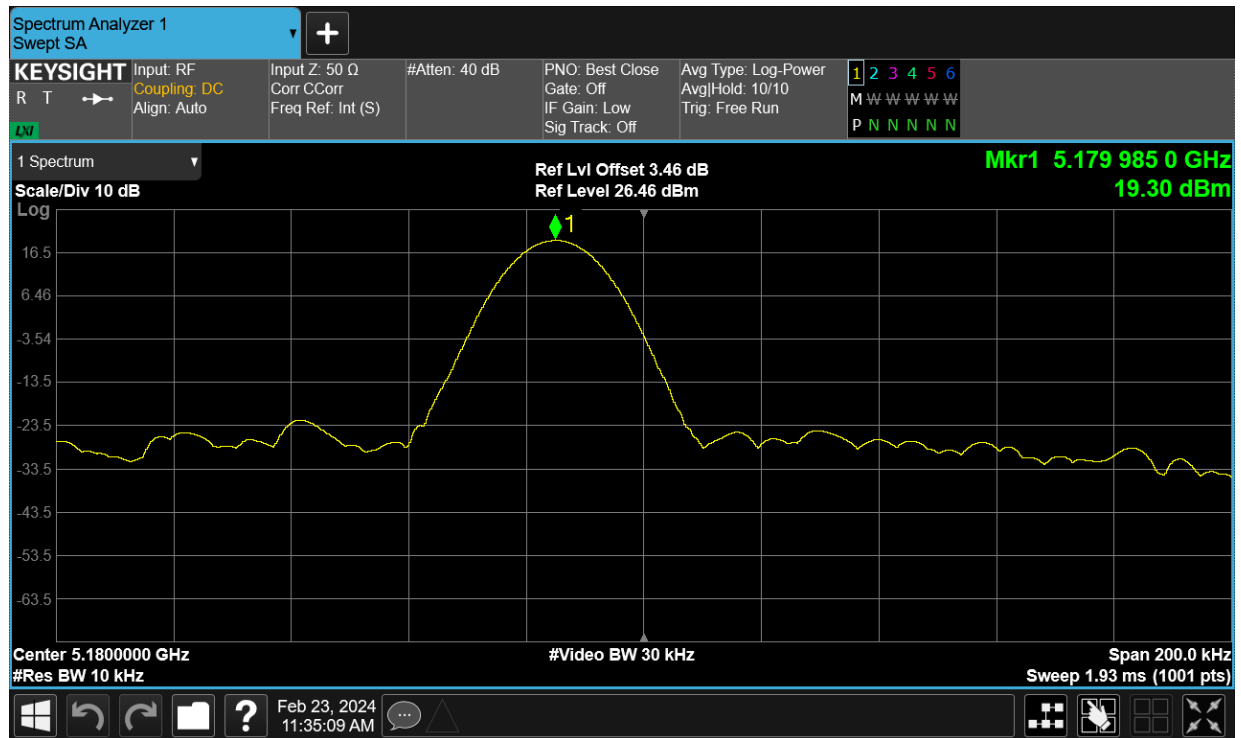
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

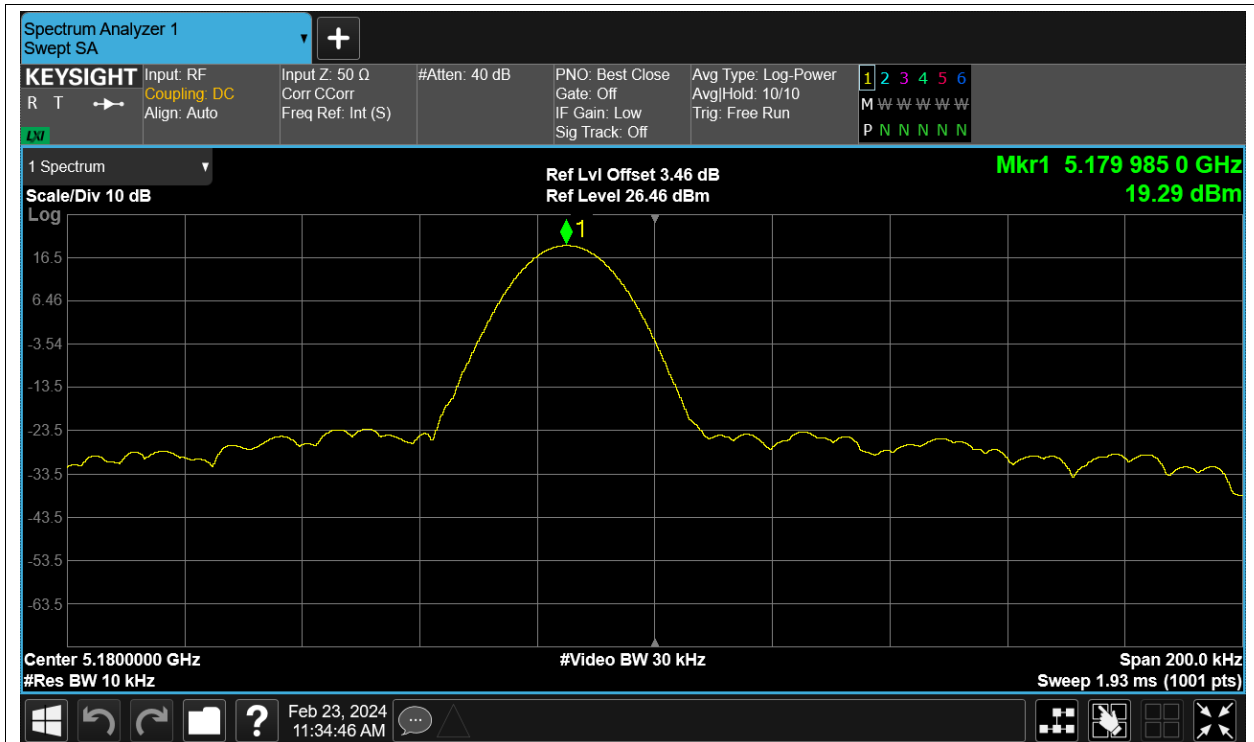
Freq. Stability HVNT a 5180MHz Ant1



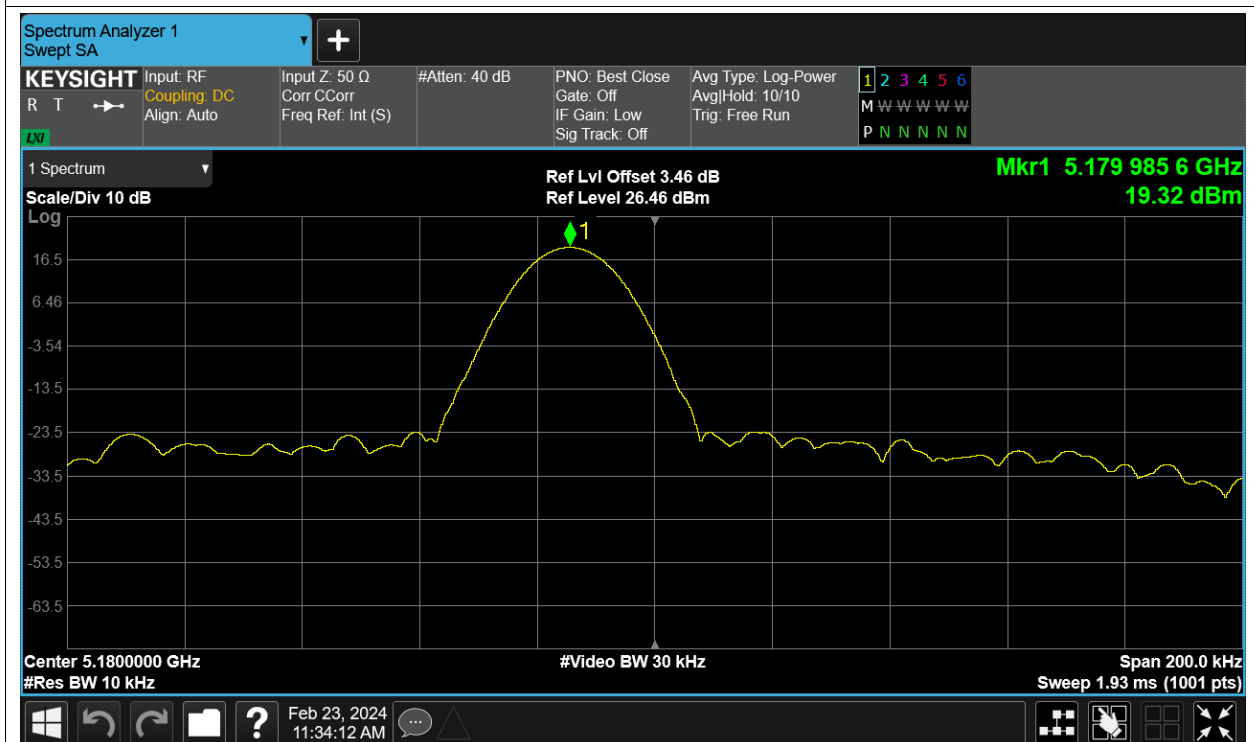
Freq. Stability LVNT a 5180MHz Ant1



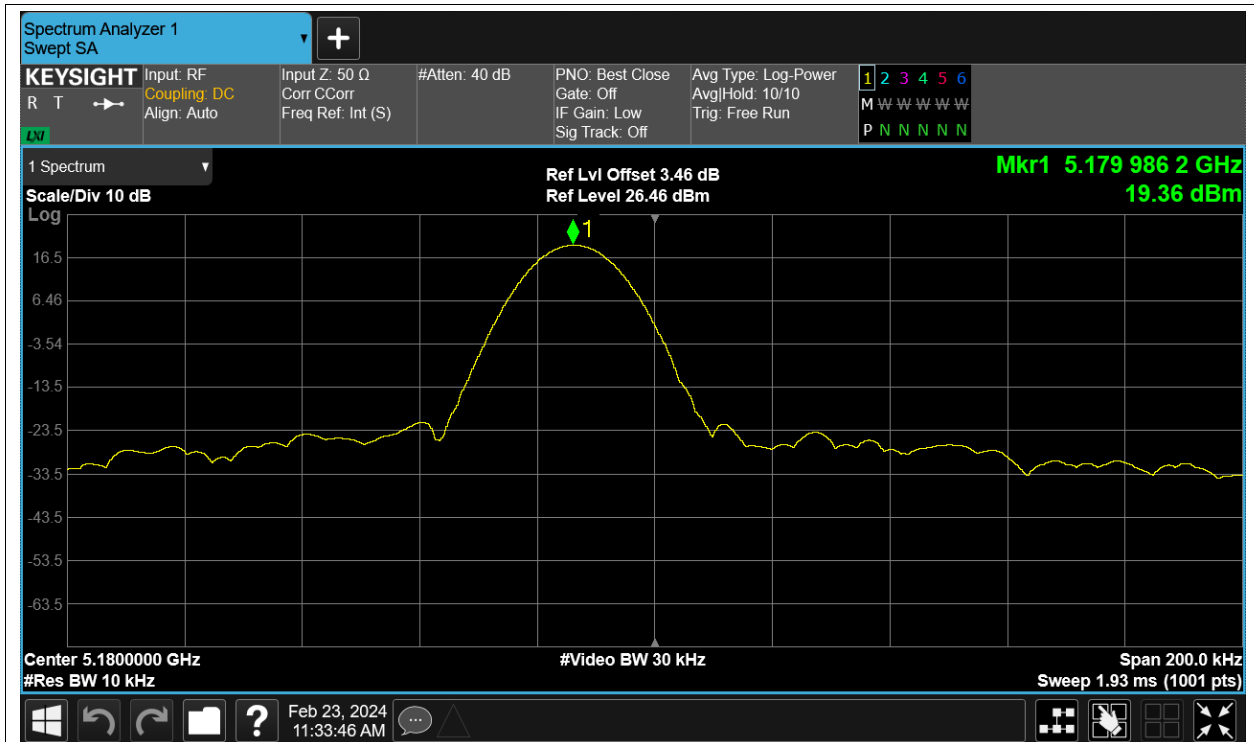
Freq. Stability NVHT a 5180MHz Ant1



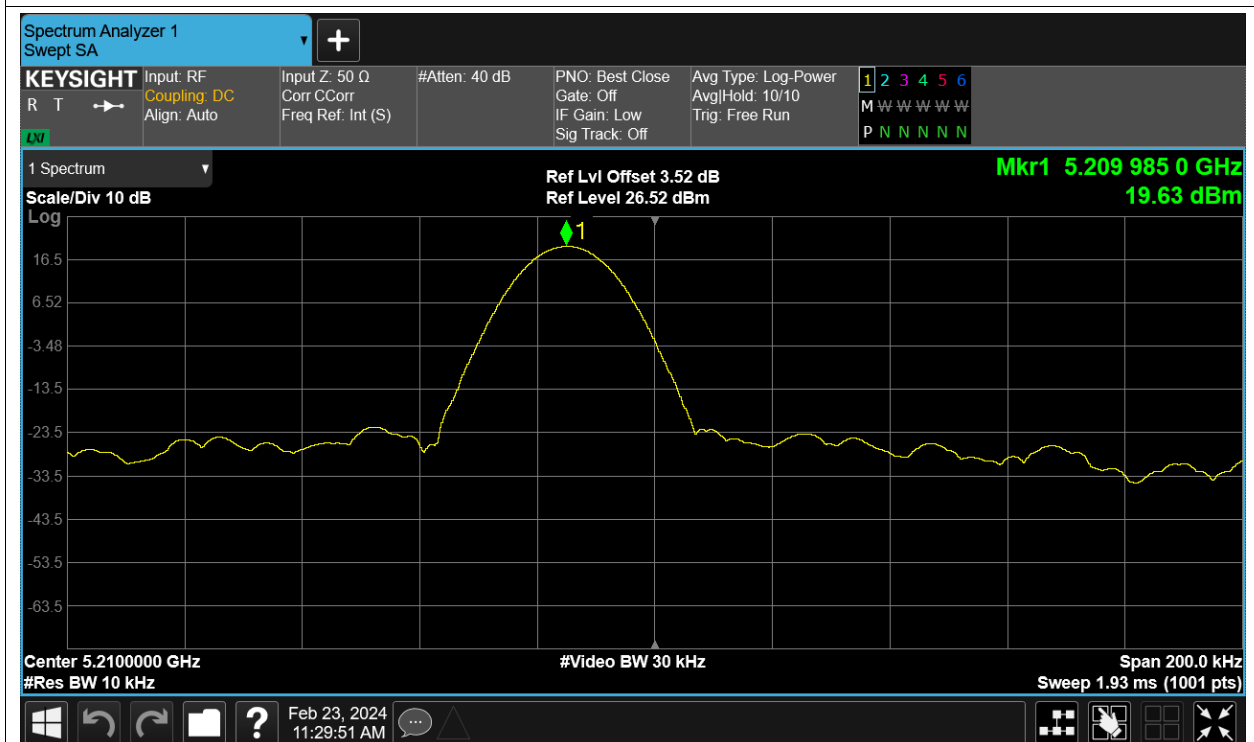
Freq. Stability NVLT a 5180MHz Ant1



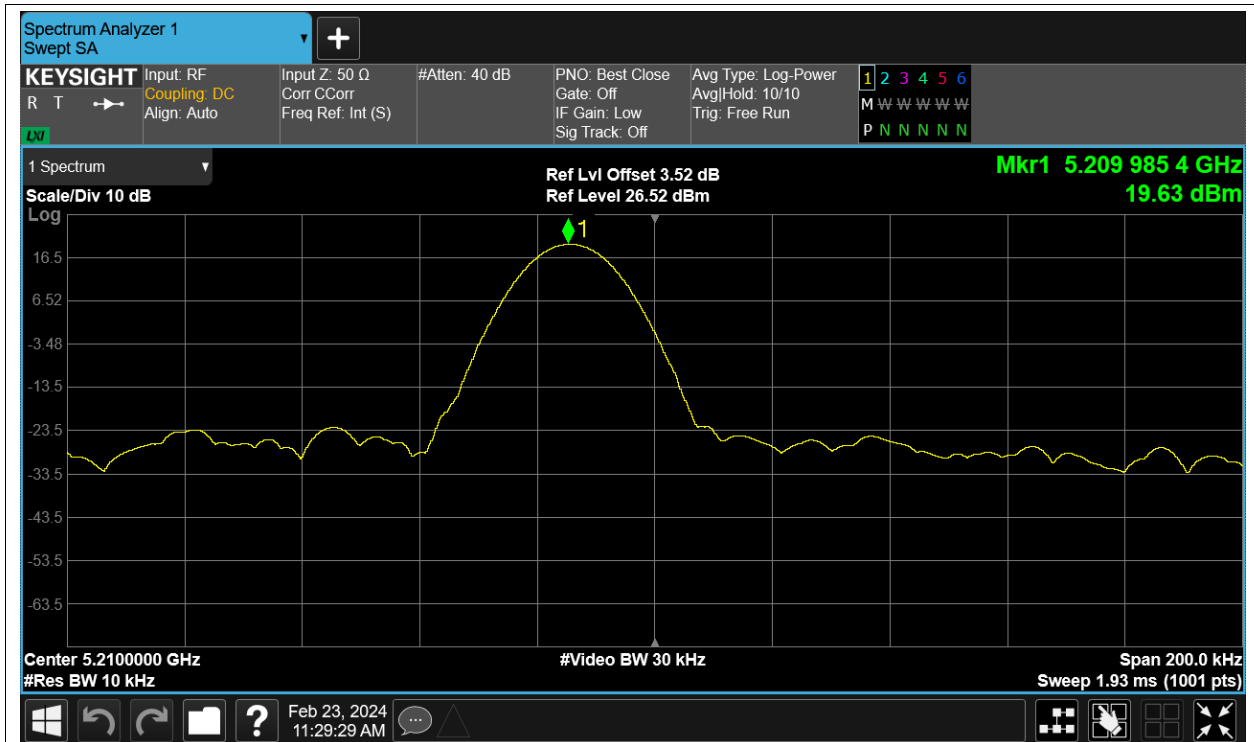
Freq. Stability NVNT a 5180MHz Ant1



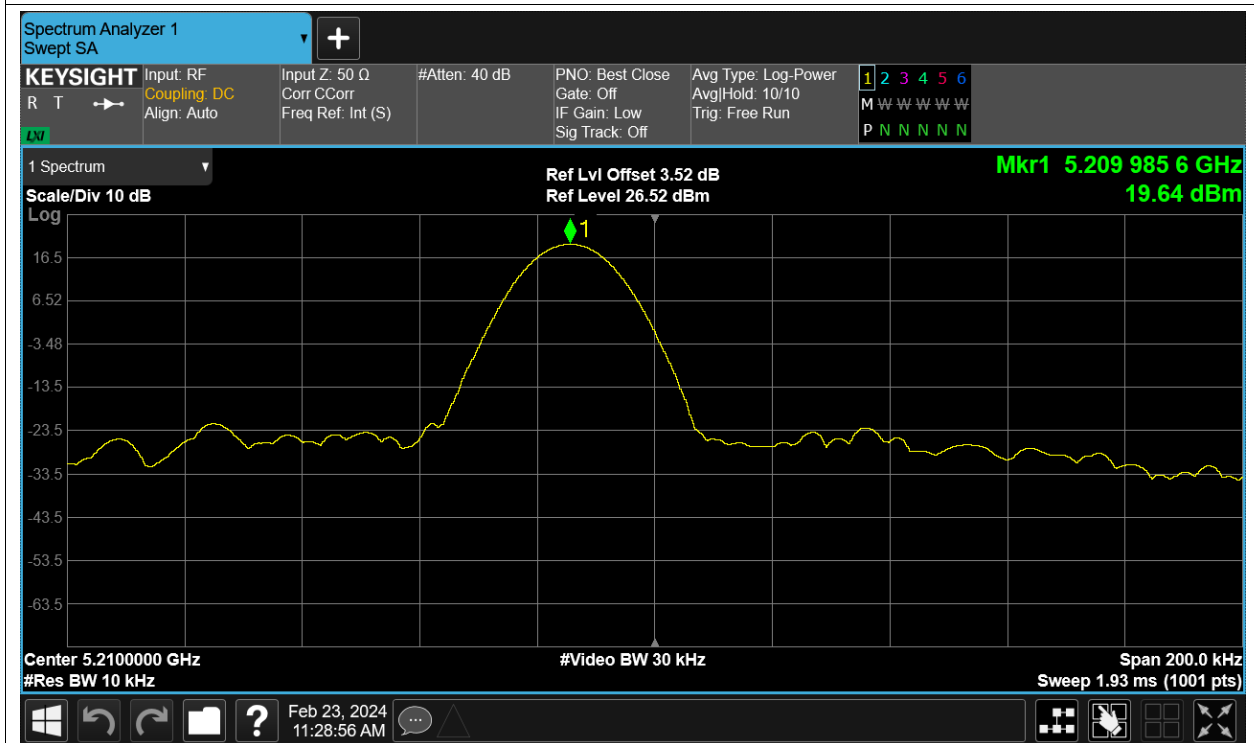
Freq. Stability HVNT ac80 5210MHz Ant1



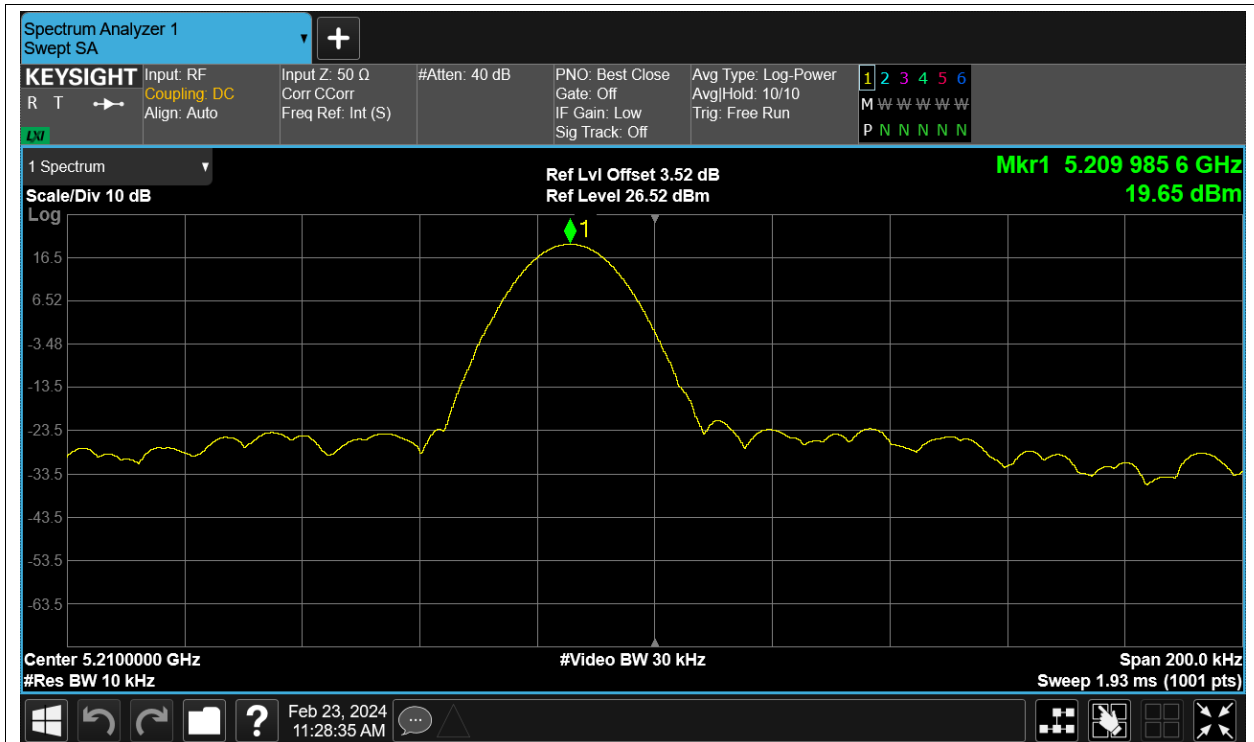
Freq. Stability LVNT ac80 5210MHz Ant1



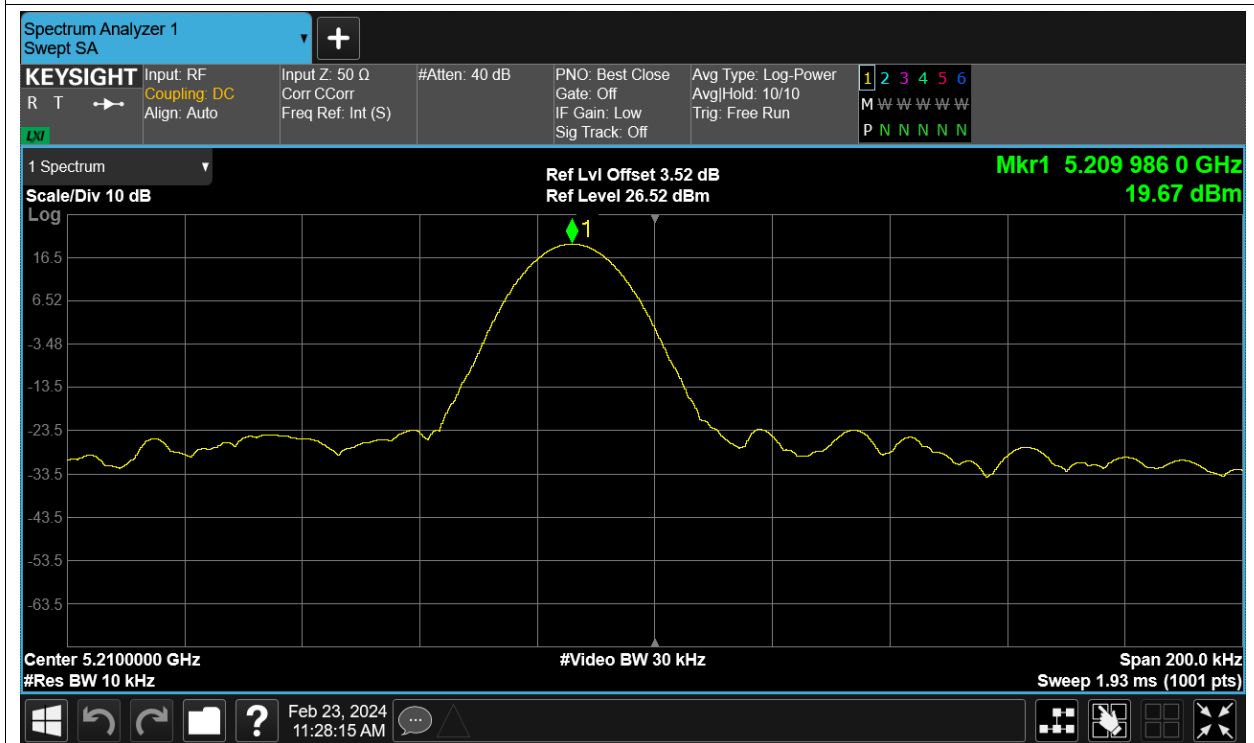
Freq. Stability NVHT ac80 5210MHz Ant1



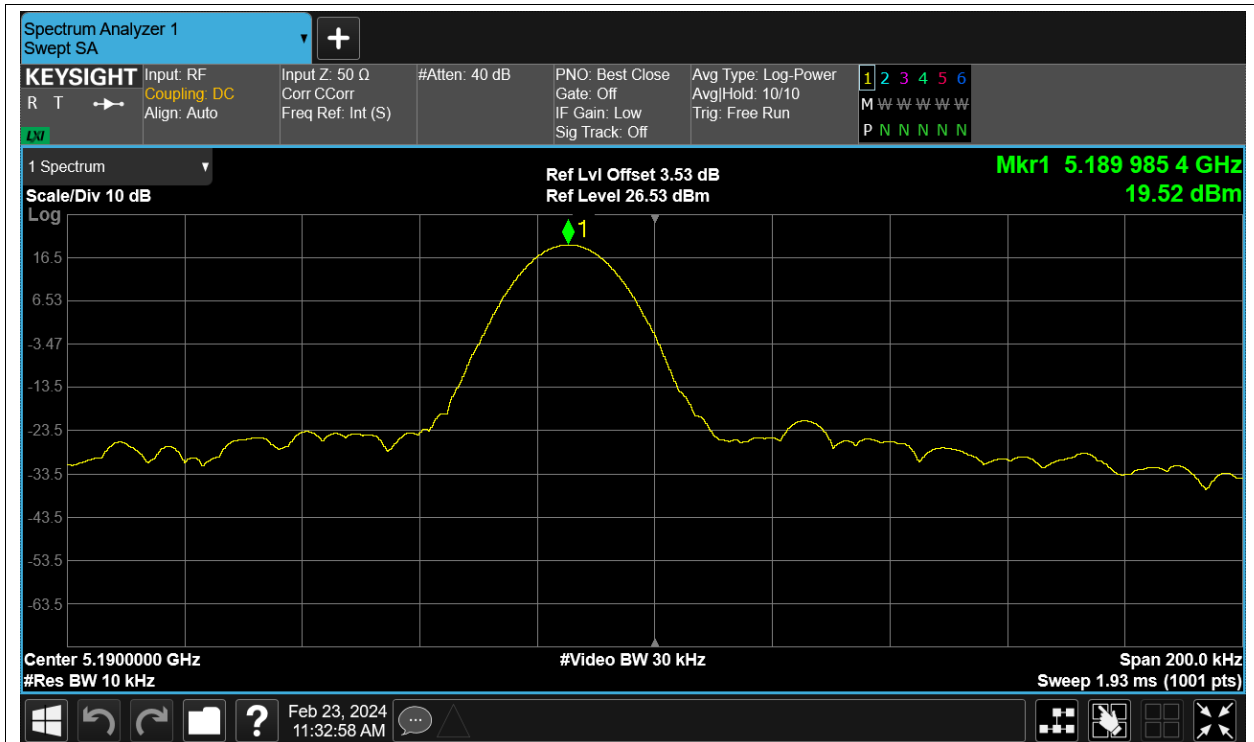
Freq. Stability NVLT ac80 5210MHz Ant1



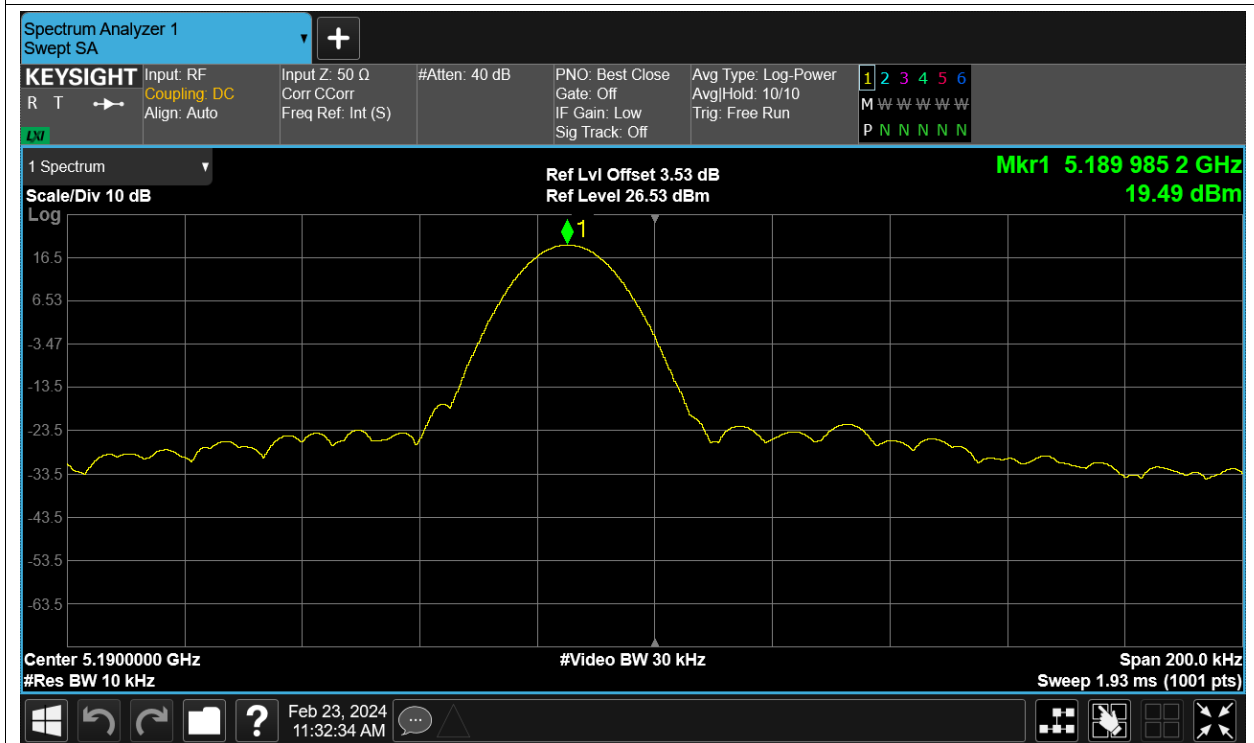
Freq. Stability NVNT ac80 5210MHz Ant1



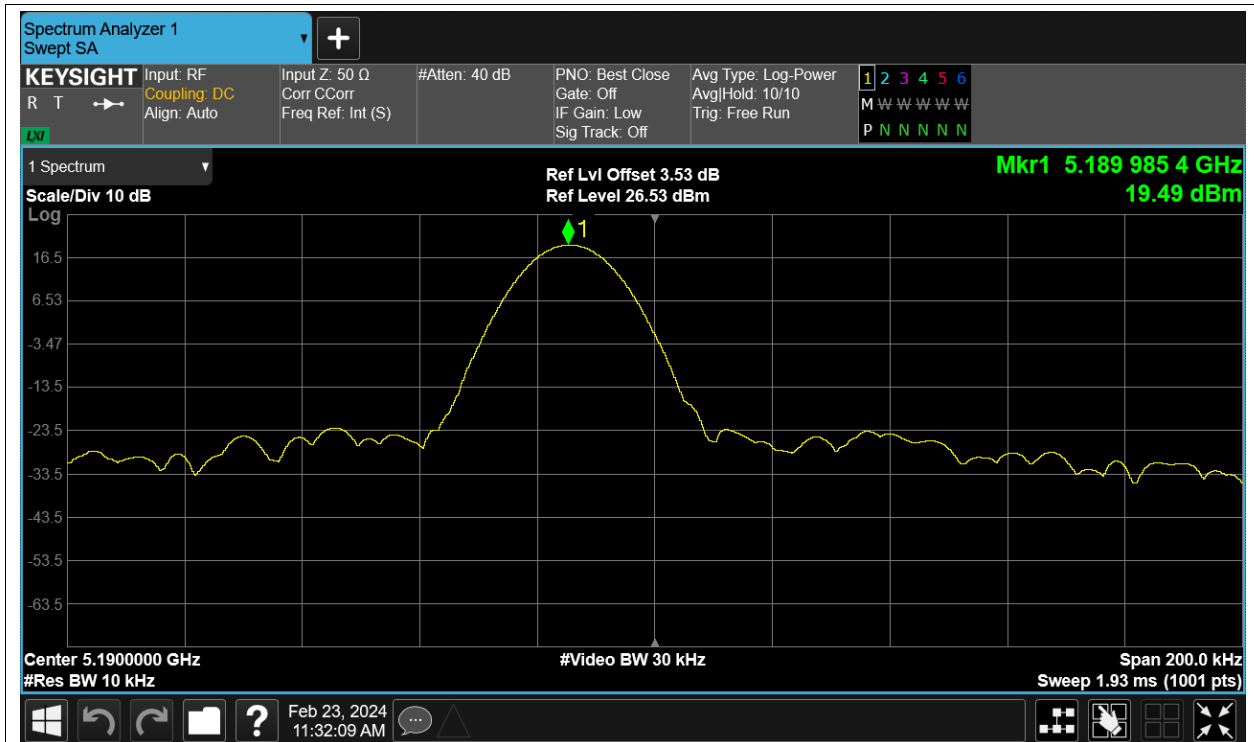
Freq. Stability HVNT n40 5190MHz Ant1



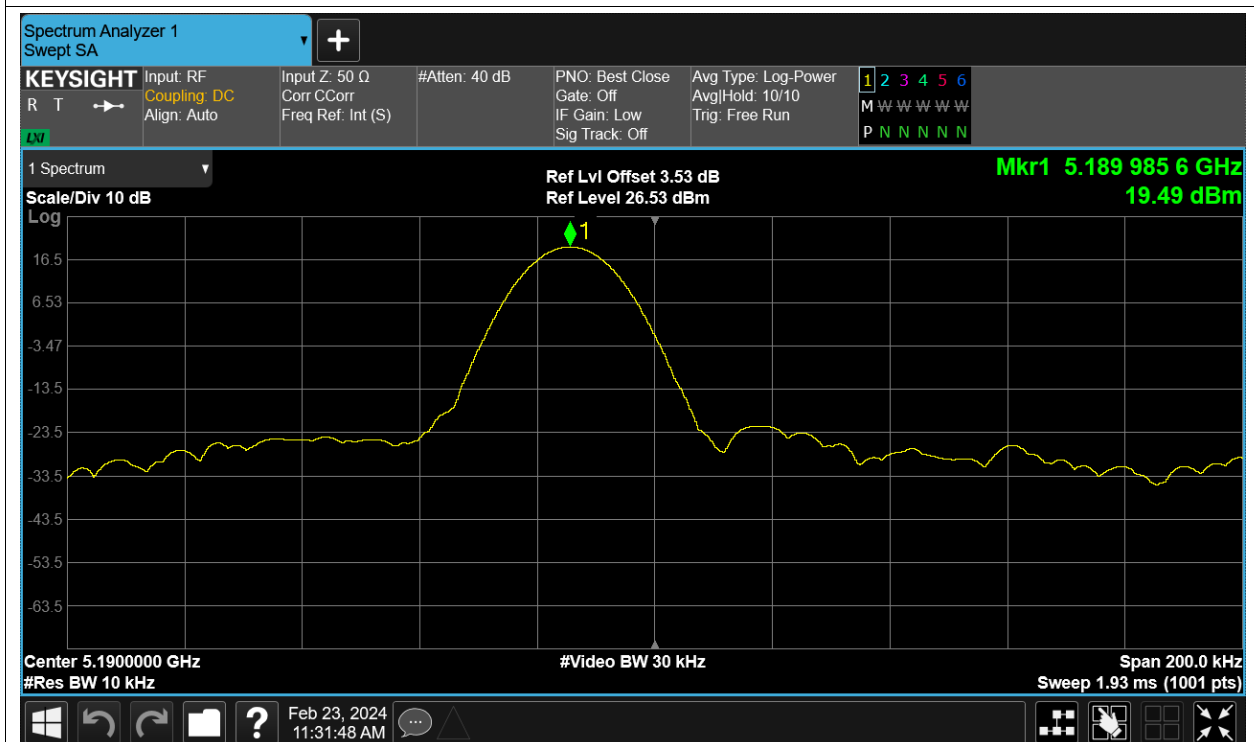
Freq. Stability LVNT n40 5190MHz Ant1



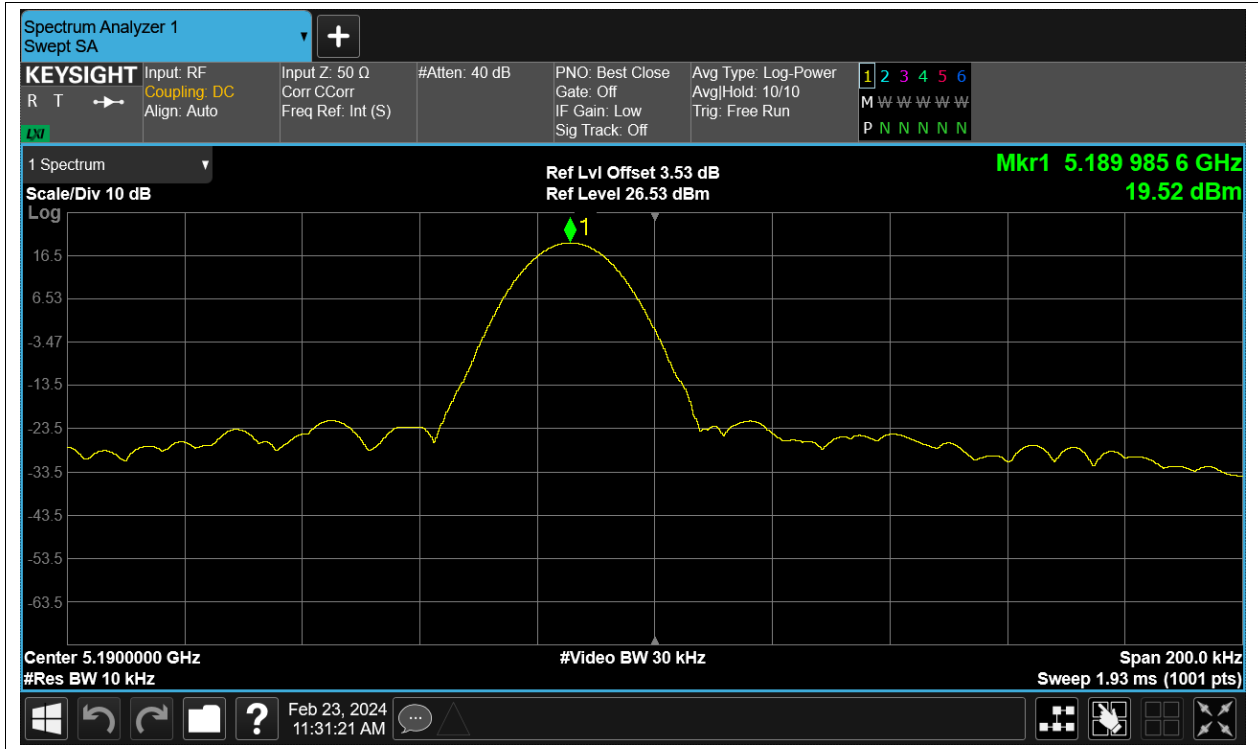
Freq. Stability NVHT n40 5190MHz Ant1



Freq. Stability NVLT n40 5190MHz Ant1

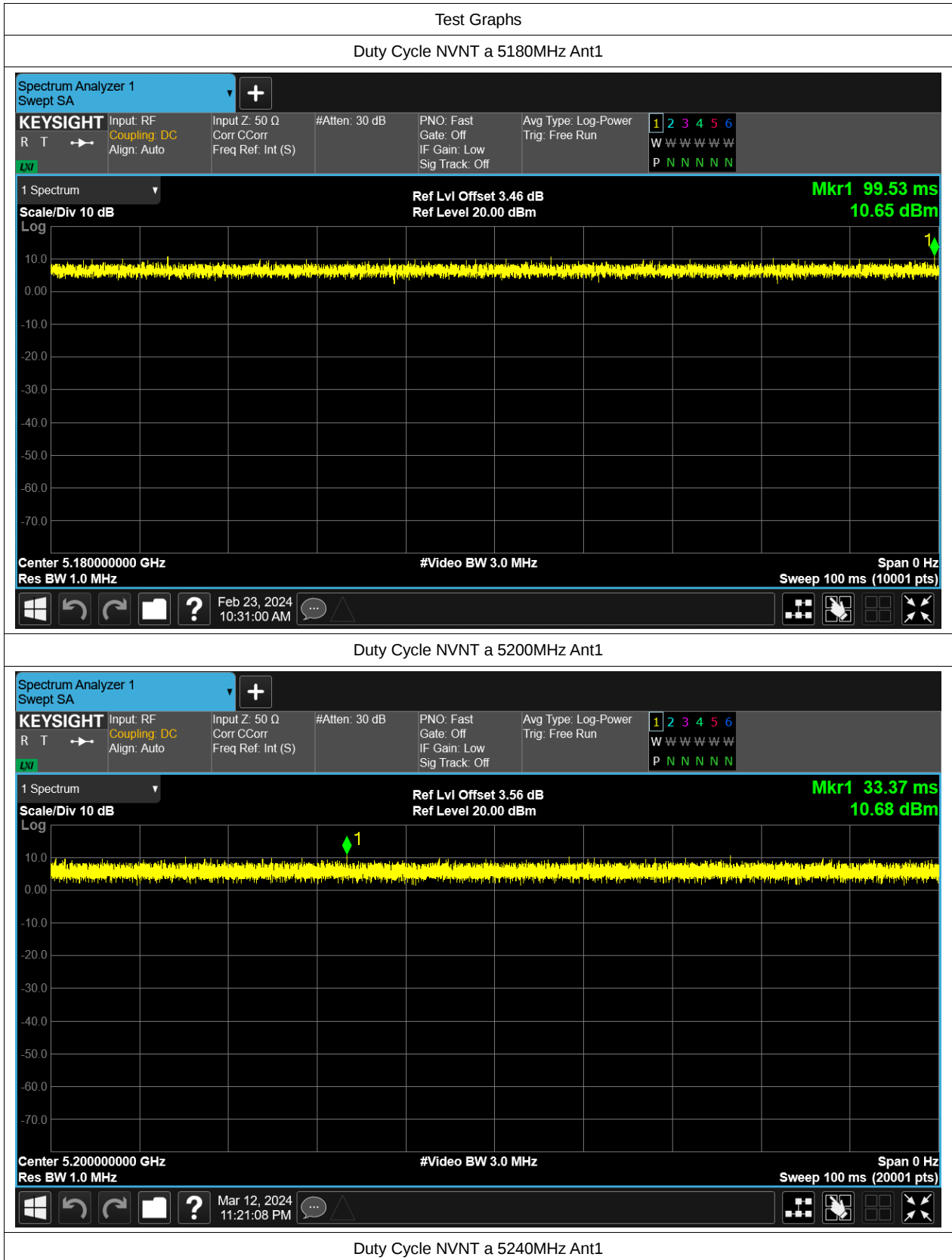


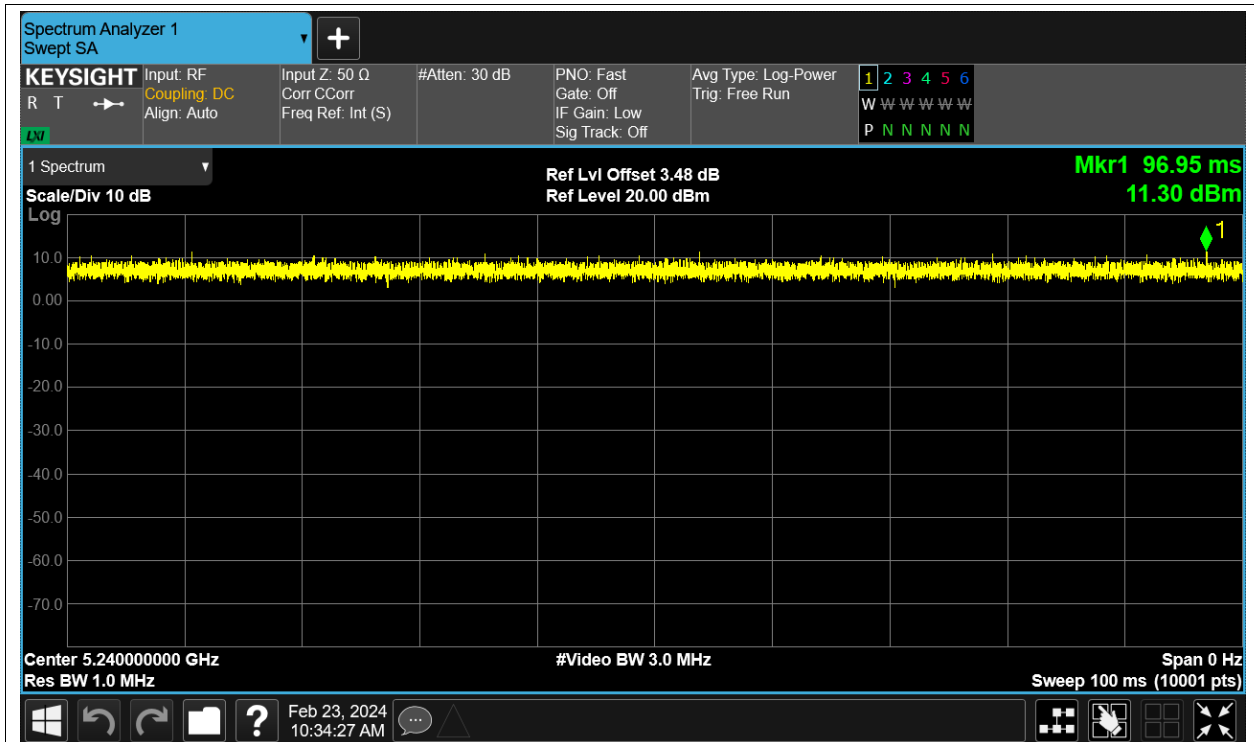
Freq. Stability NVNT n40 5190MHz Ant1



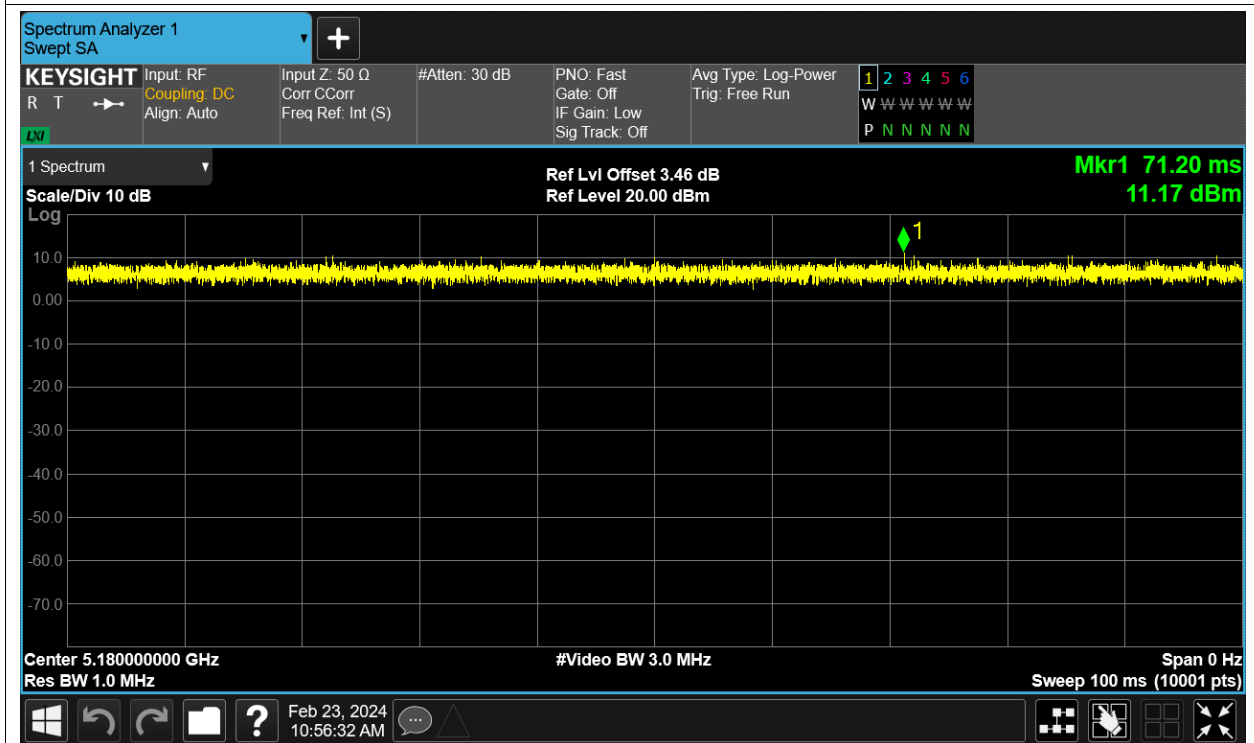
## Duty Cycle

| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) |
|-----------|------|-----------------|---------|----------------|------------------------|
| NVNT      | a    | 5180            | Ant1    | 100            | 0                      |
| NVNT      | a    | 5200            | Ant1    | 100            | 0                      |
| NVNT      | a    | 5240            | Ant1    | 100            | 0                      |
| NVNT      | ac20 | 5180            | Ant1    | 100            | 0                      |
| NVNT      | ac20 | 5200            | Ant1    | 100            | 0                      |
| NVNT      | ac20 | 5240            | Ant1    | 100            | 0                      |
| NVNT      | ac40 | 5190            | Ant1    | 100            | 0                      |
| NVNT      | ac40 | 5230            | Ant1    | 100            | 0                      |
| NVNT      | ac80 | 5210            | Ant1    | 100            | 0                      |
| NVNT      | n20  | 5180            | Ant1    | 100            | 0                      |
| NVNT      | n20  | 5200            | Ant1    | 100            | 0                      |
| NVNT      | n20  | 5240            | Ant1    | 100            | 0                      |
| NVNT      | n40  | 5190            | Ant1    | 100            | 0                      |
| NVNT      | n40  | 5230            | Ant1    | 100            | 0                      |

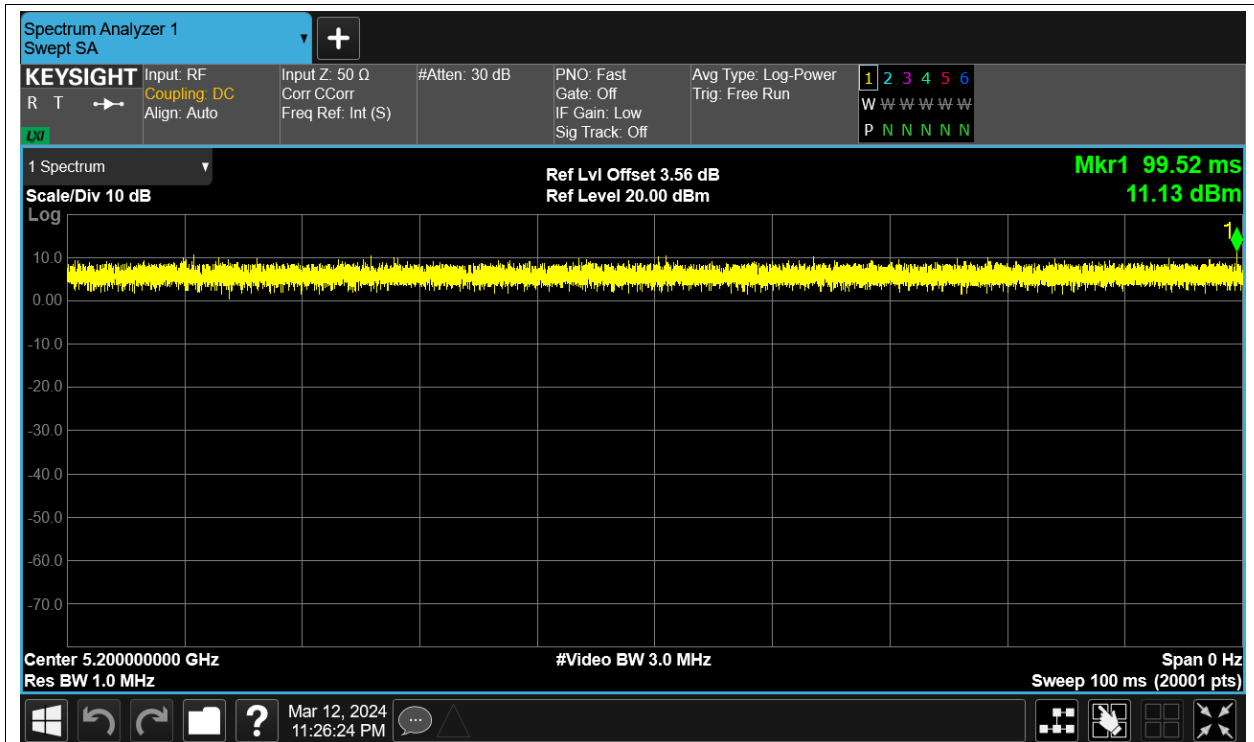




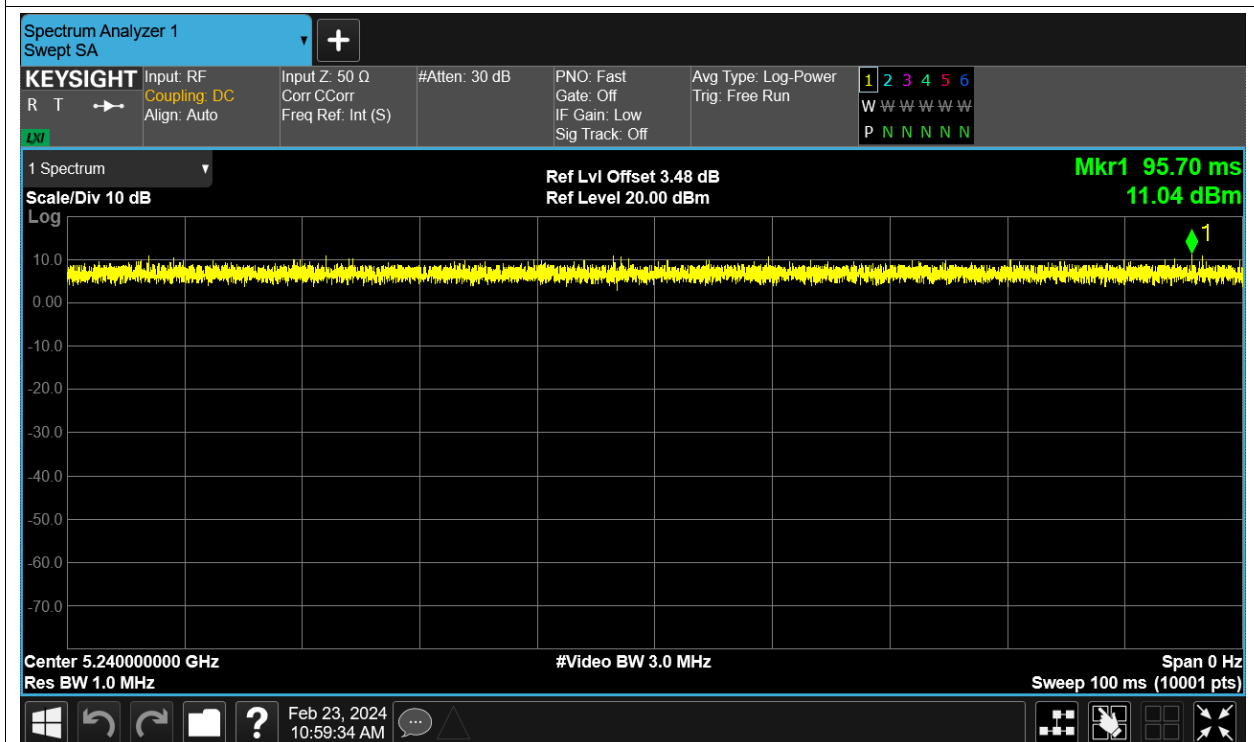
Duty Cycle NVNT ac20 5180MHz Ant1



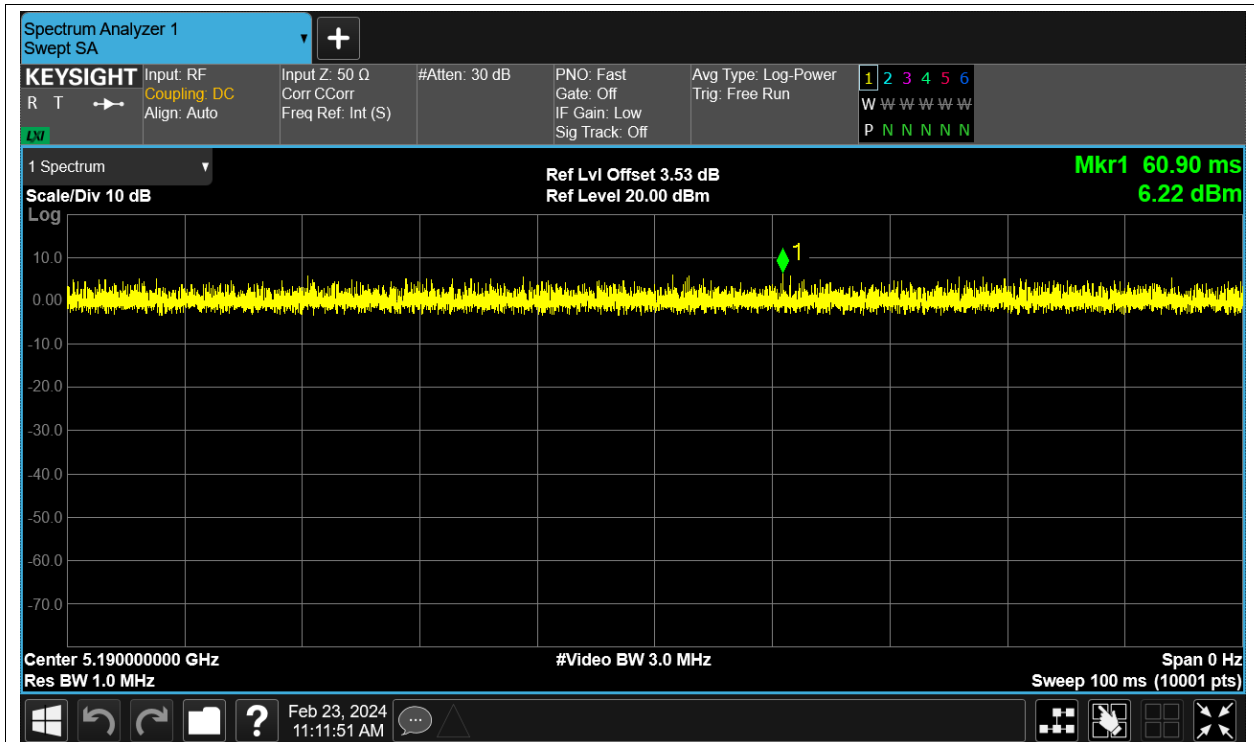
Duty Cycle NVNT ac20 5200MHz Ant1



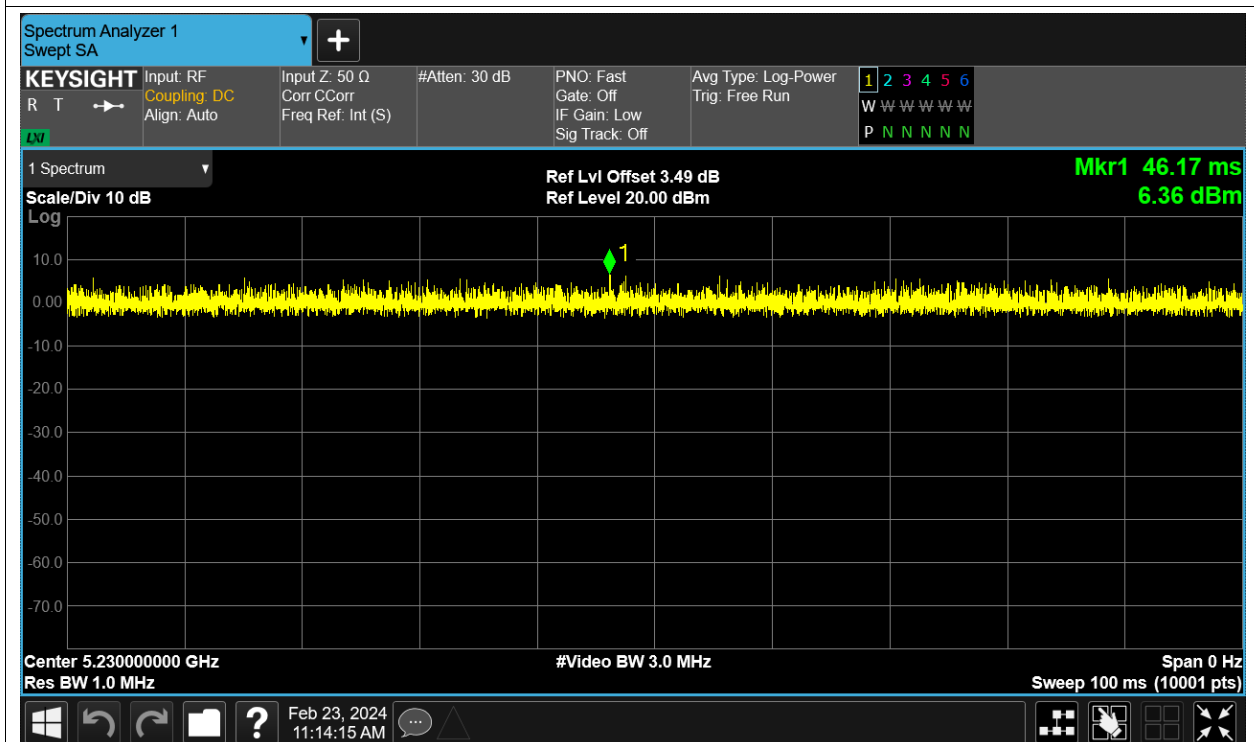
Duty Cycle NVNT ac20 5240MHz Ant1



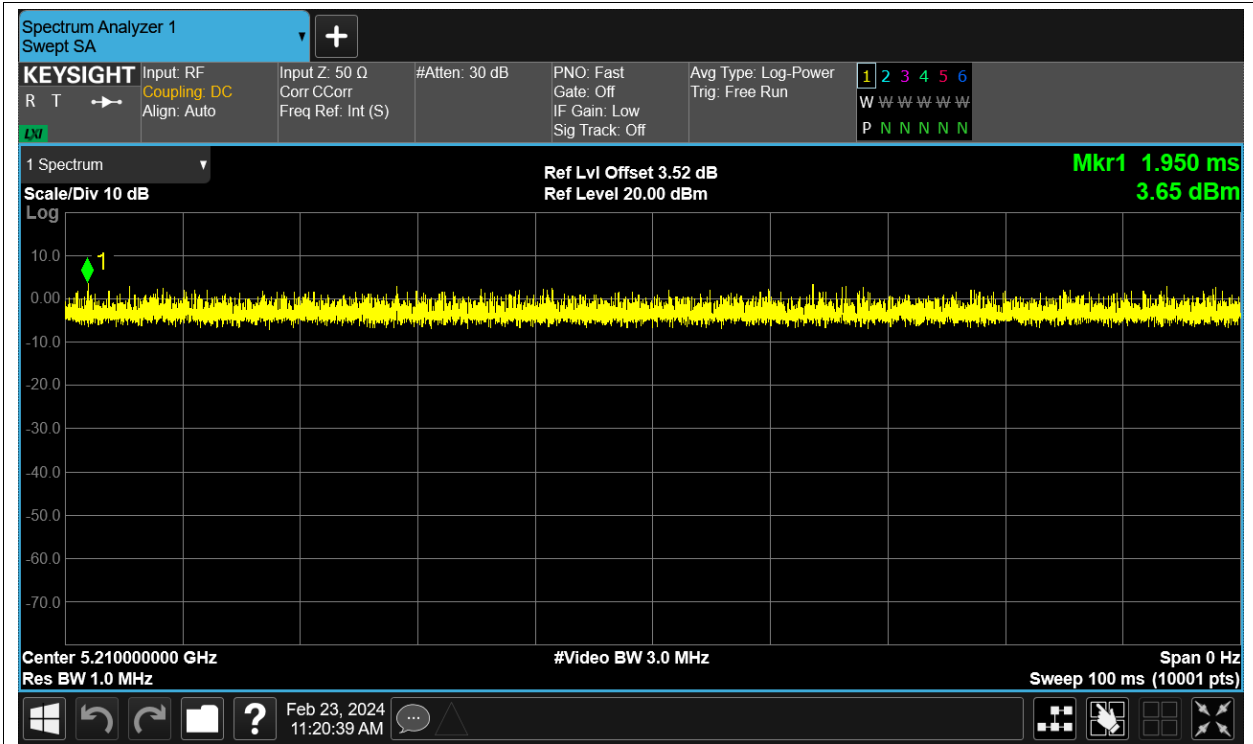
Duty Cycle NVNT ac40 5190MHz Ant1



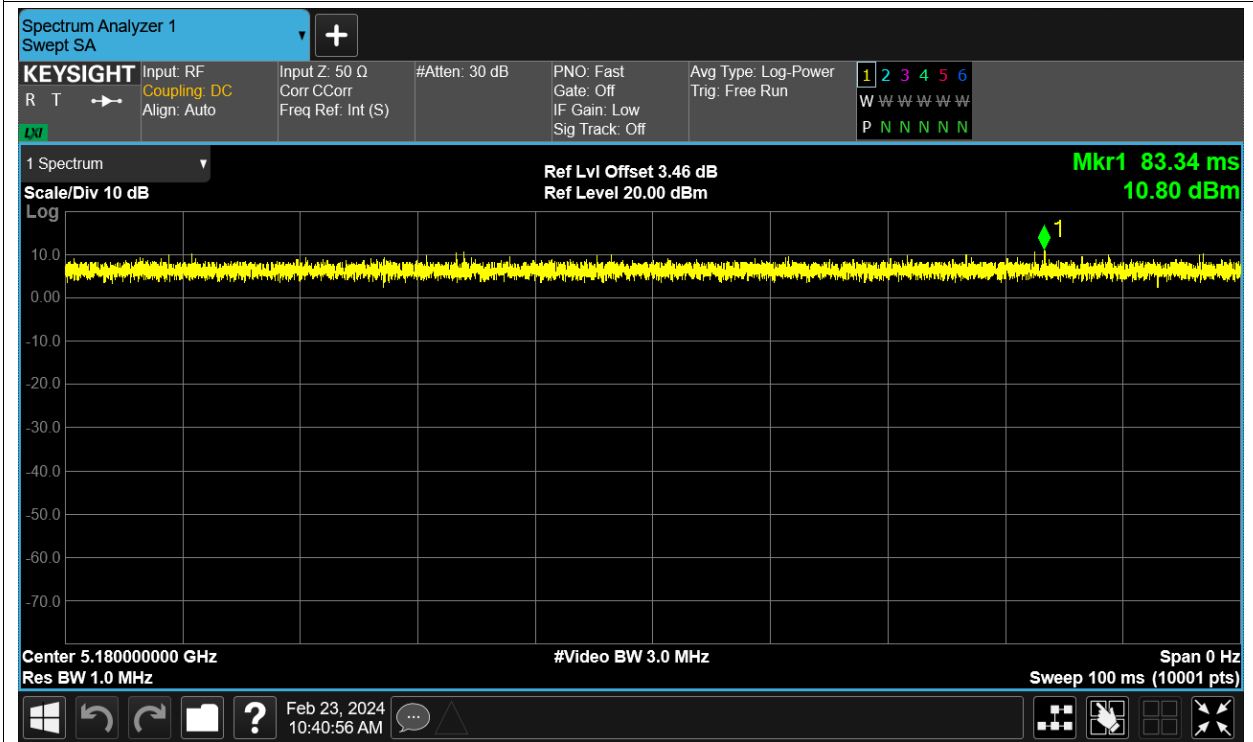
Duty Cycle NVNT ac40 5230MHz Ant1



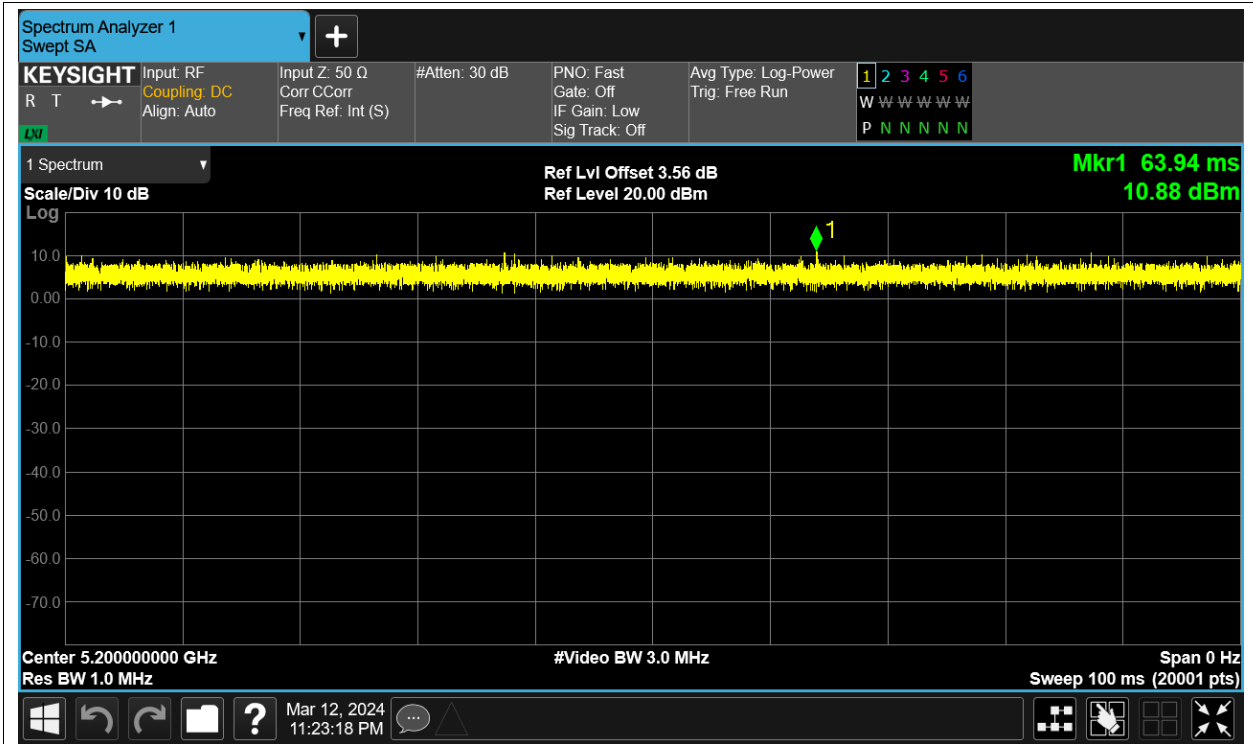
Duty Cycle NVNT ac80 5210MHz Ant1



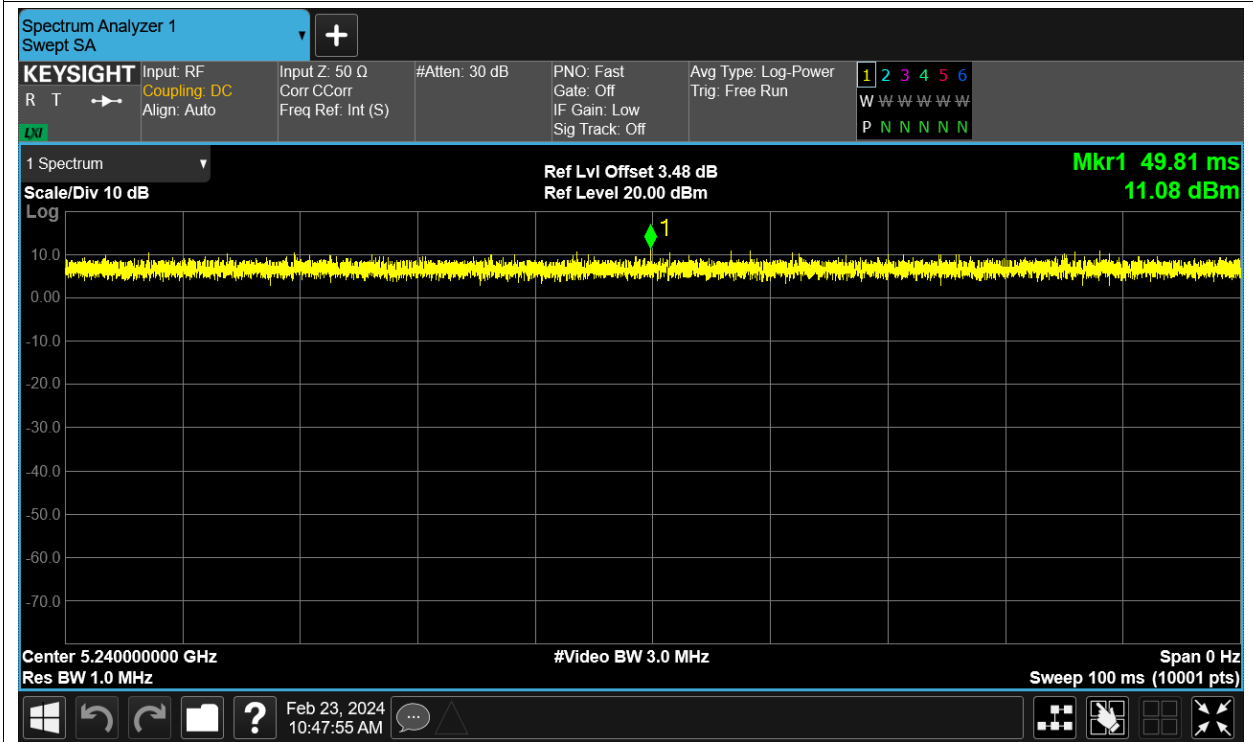
Duty Cycle NVNT n20 5180MHz Ant1



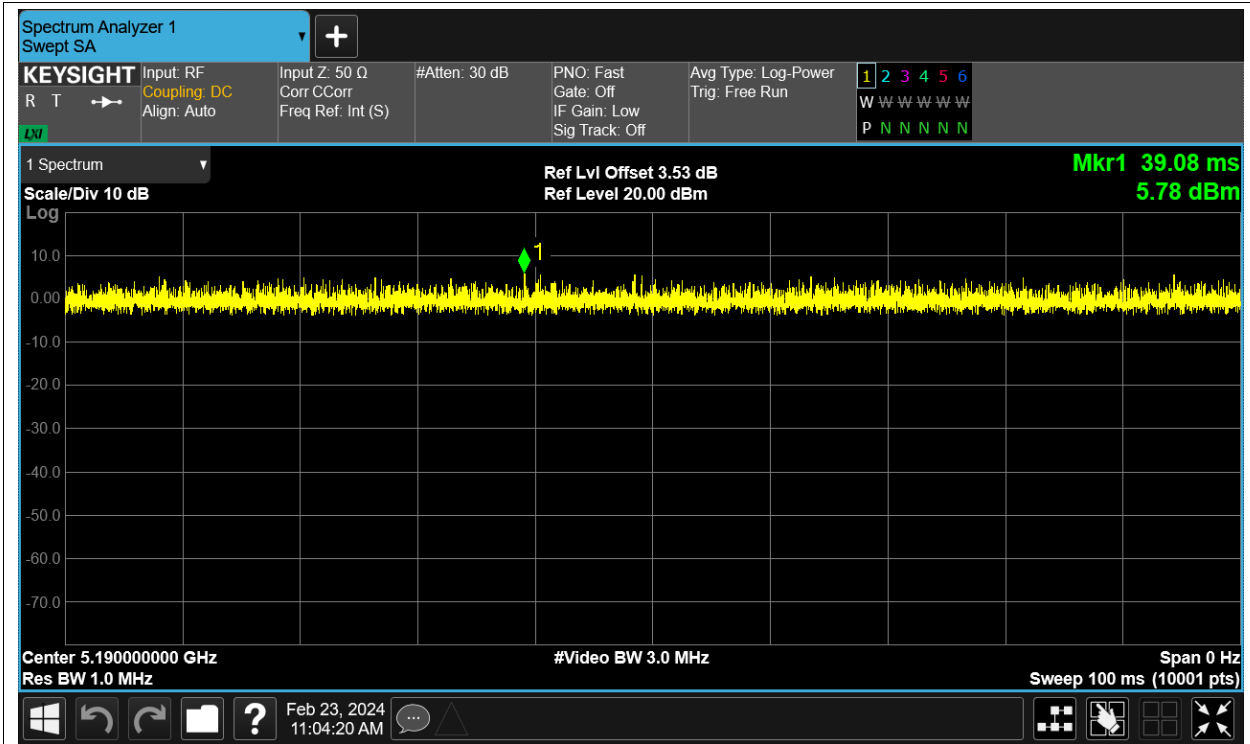
Duty Cycle NVNT n20 5200MHz Ant1



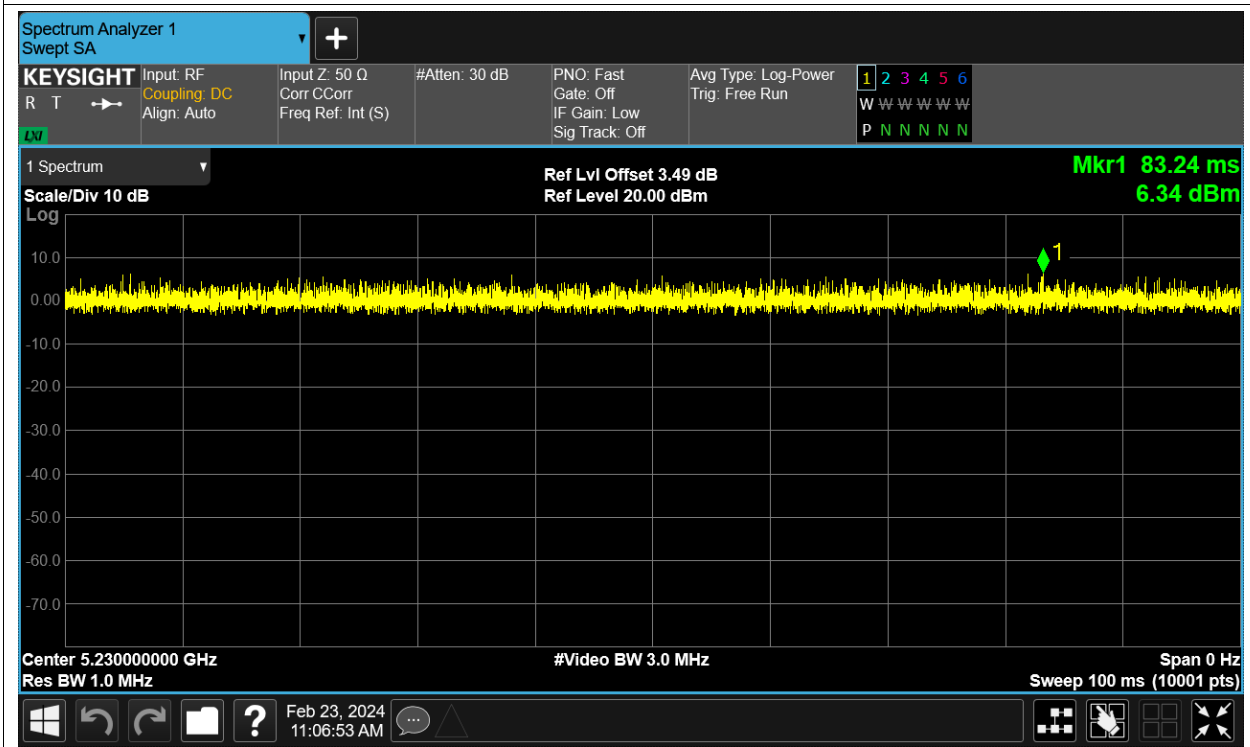
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1



Duty Cycle NVNT n40 5230MHz Ant1



## Maximum Conducted Output Power

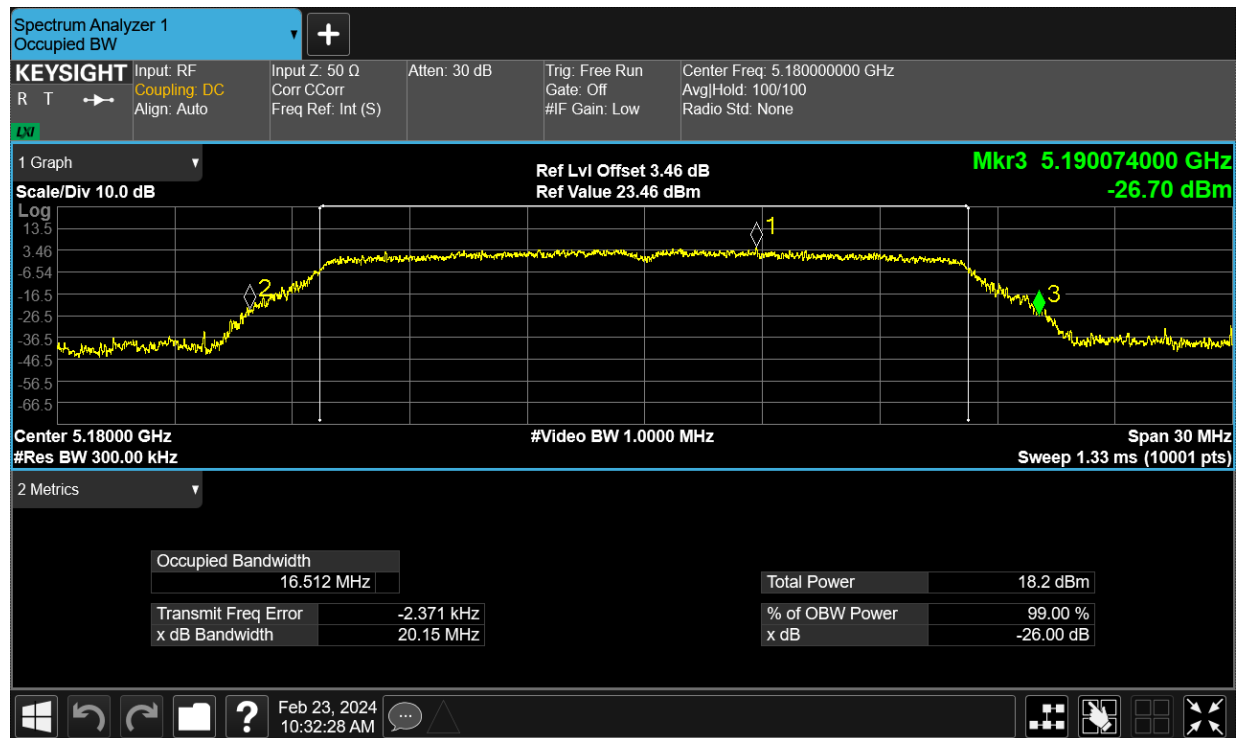
| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Duty Factor<br>(dB) | Total Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------------|---------------------|----------------------|----------------|---------|
| NVNT      | a    | 5180               | Ant1    | 12.99                    | 0                   | 12.99                | 24             | Pass    |
| NVNT      | a    | 5200               | Ant1    | 13.2                     | 0                   | 13.2                 | 24             | Pass    |
| NVNT      | a    | 5240               | Ant1    | 13.23                    | 0                   | 13.23                | 24             | Pass    |
| NVNT      | ac20 | 5180               | Ant1    | 13.11                    | 0                   | 13.11                | 24             | Pass    |
| NVNT      | ac20 | 5200               | Ant1    | 13.41                    | 0                   | 13.41                | 24             | Pass    |
| NVNT      | ac20 | 5240               | Ant1    | 13.23                    | 0                   | 13.23                | 24             | Pass    |
| NVNT      | ac40 | 5190               | Ant1    | 13.34                    | 0                   | 13.34                | 24             | Pass    |
| NVNT      | ac40 | 5230               | Ant1    | 13.26                    | 0                   | 13.26                | 24             | Pass    |
| NVNT      | ac80 | 5210               | Ant1    | 13.13                    | 0                   | 13.13                | 24             | Pass    |
| NVNT      | n20  | 5180               | Ant1    | 13.01                    | 0                   | 13.01                | 24             | Pass    |
| NVNT      | n20  | 5200               | Ant1    | 13.2                     | 0                   | 13.2                 | 24             | Pass    |
| NVNT      | n20  | 5240               | Ant1    | 13.19                    | 0                   | 13.19                | 24             | Pass    |
| NVNT      | n40  | 5190               | Ant1    | 12.78                    | 0                   | 12.78                | 24             | Pass    |
| NVNT      | n40  | 5230               | Ant1    | 13.41                    | 0                   | 13.41                | 24             | Pass    |

## -26dB Bandwidth

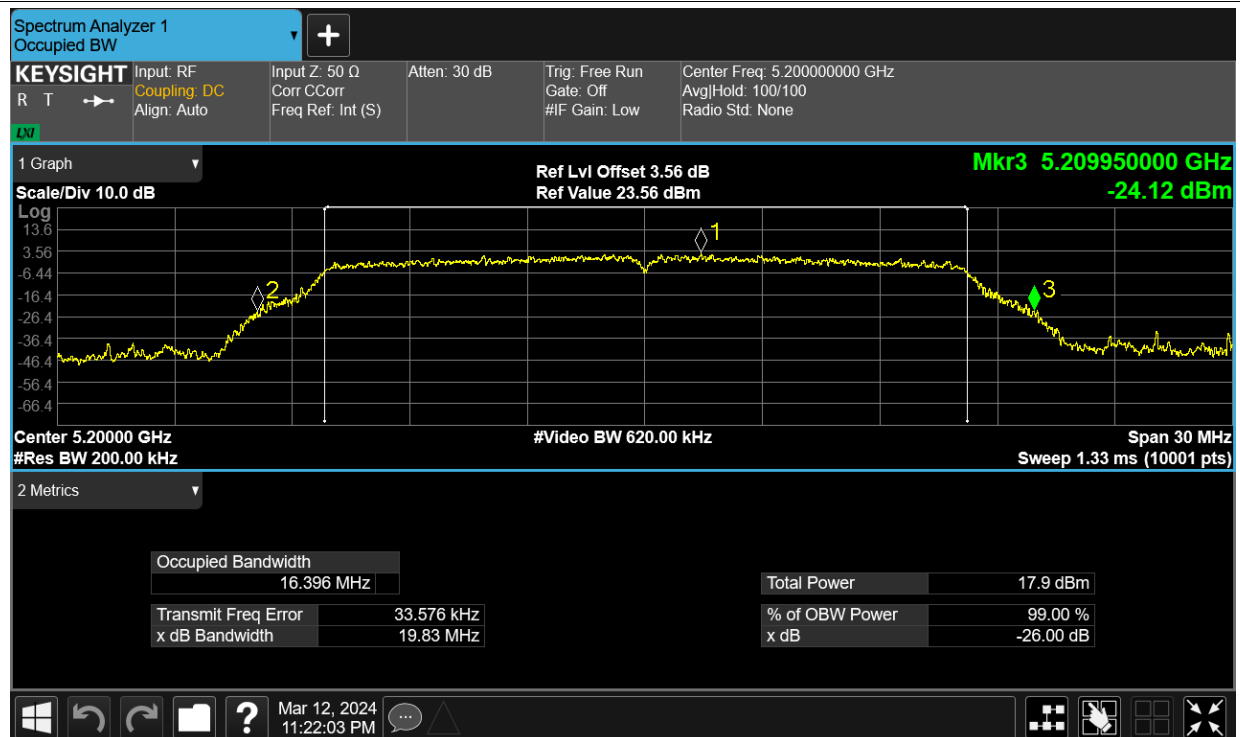
| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) |
|-----------|------|-----------------|---------|------------------------|
| NVNT      | a    | 5180            | Ant1    | 20.154                 |
| NVNT      | a    | 5200            | Ant1    | 19.833                 |
| NVNT      | a    | 5240            | Ant1    | 19.652                 |
| NVNT      | ac20 | 5180            | Ant1    | 20.181                 |
| NVNT      | ac20 | 5200            | Ant1    | 19.934                 |
| NVNT      | ac20 | 5240            | Ant1    | 20.227                 |
| NVNT      | ac40 | 5190            | Ant1    | 39.493                 |
| NVNT      | ac40 | 5230            | Ant1    | 39.62                  |
| NVNT      | ac80 | 5210            | Ant1    | 78.873                 |
| NVNT      | n20  | 5180            | Ant1    | 20.219                 |
| NVNT      | n20  | 5200            | Ant1    | 20.008                 |
| NVNT      | n20  | 5240            | Ant1    | 20.188                 |
| NVNT      | n40  | 5190            | Ant1    | 39.683                 |
| NVNT      | n40  | 5230            | Ant1    | 39.601                 |

## Test Graphs

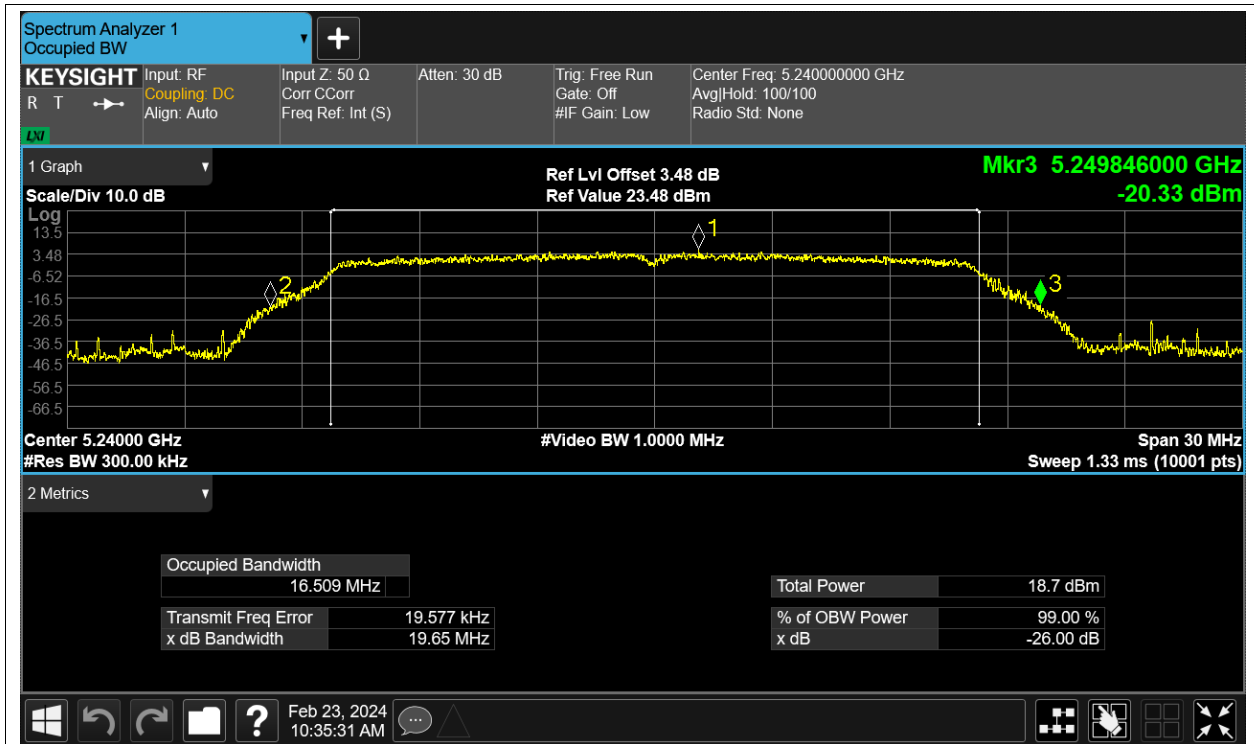
-26dB Bandwidth NVNT a 5180MHz Ant1



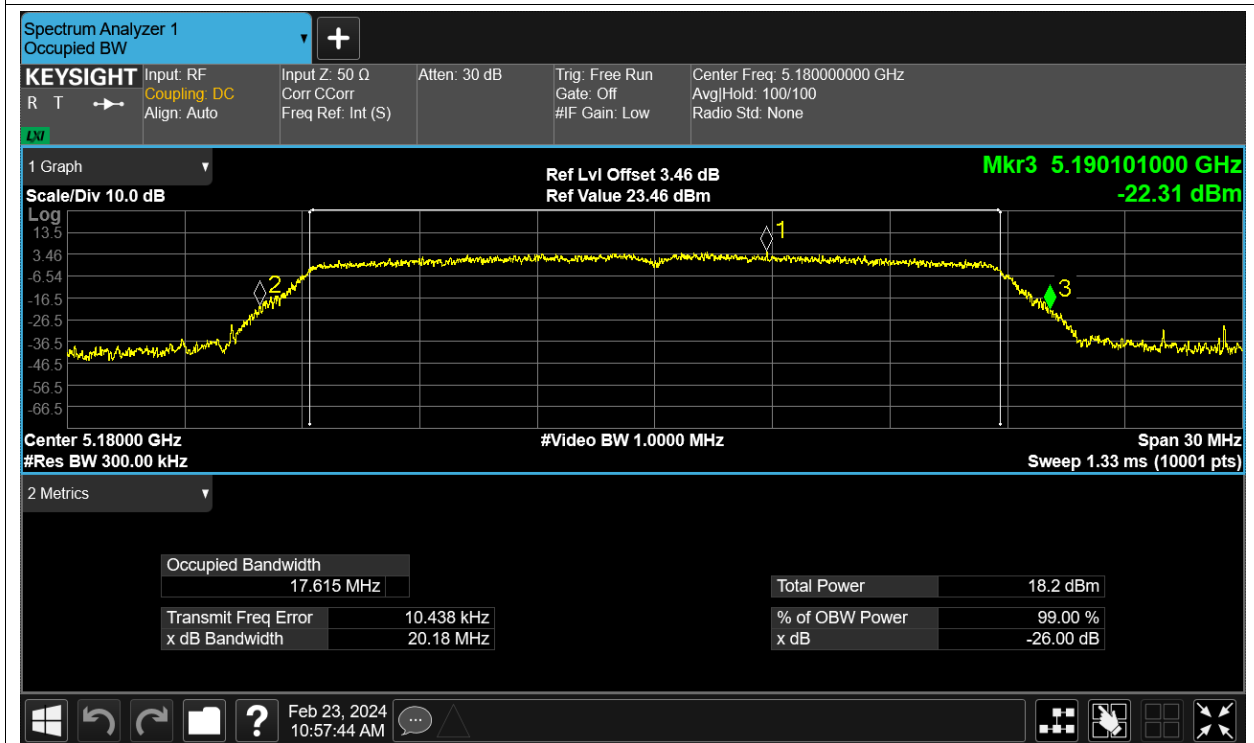
-26dB Bandwidth NVNT a 5200MHz Ant1



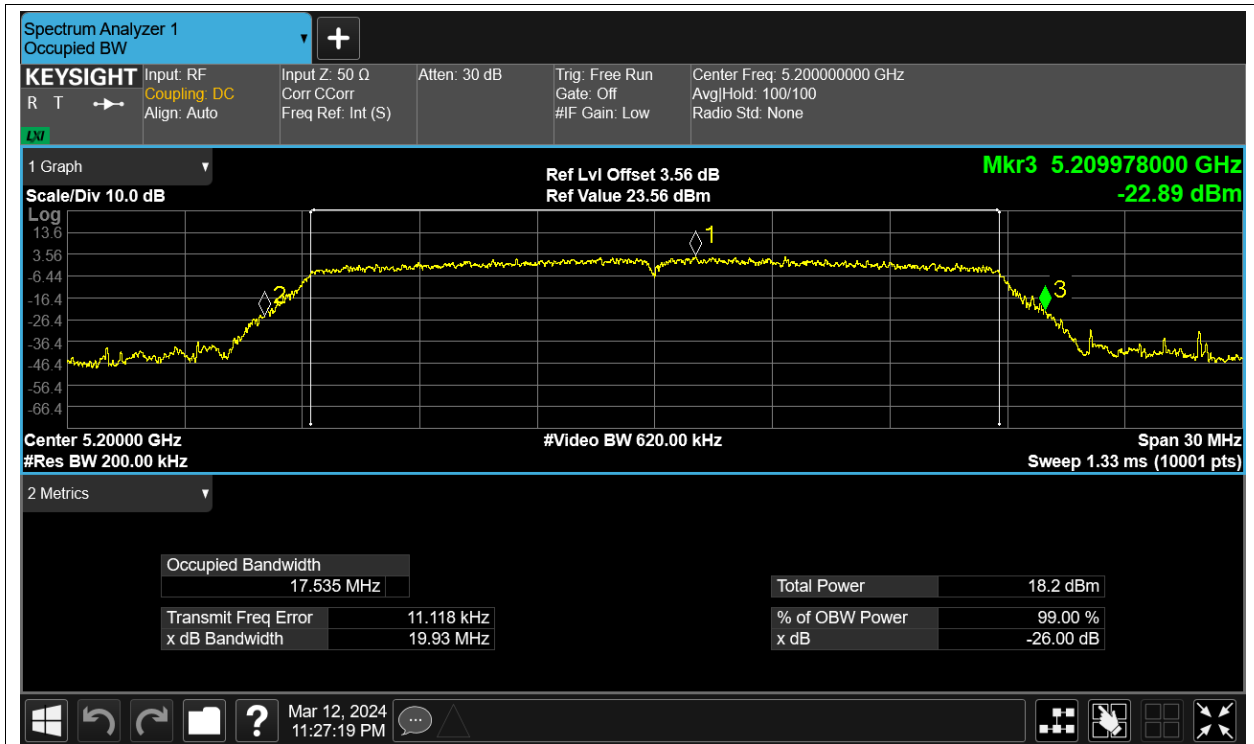
-26dB Bandwidth NVNT a 5240MHz Ant1



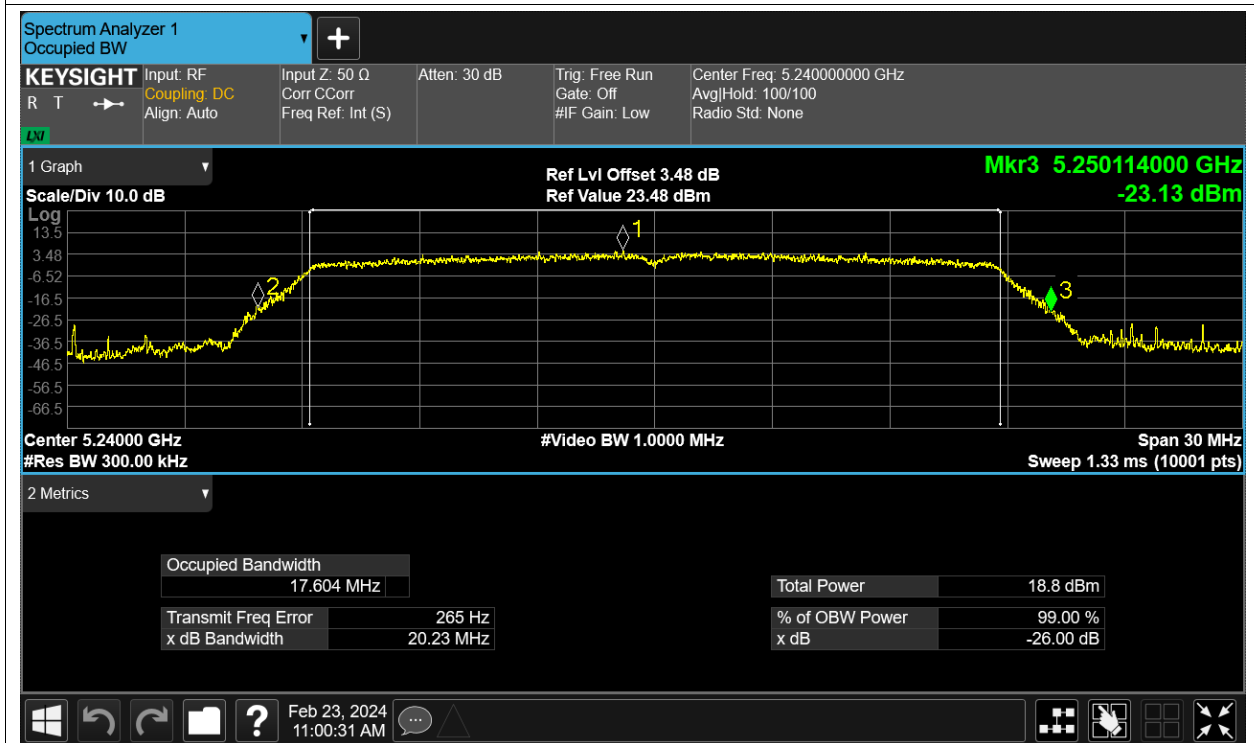
-26dB Bandwidth NVNT ac20 5180MHz Ant1



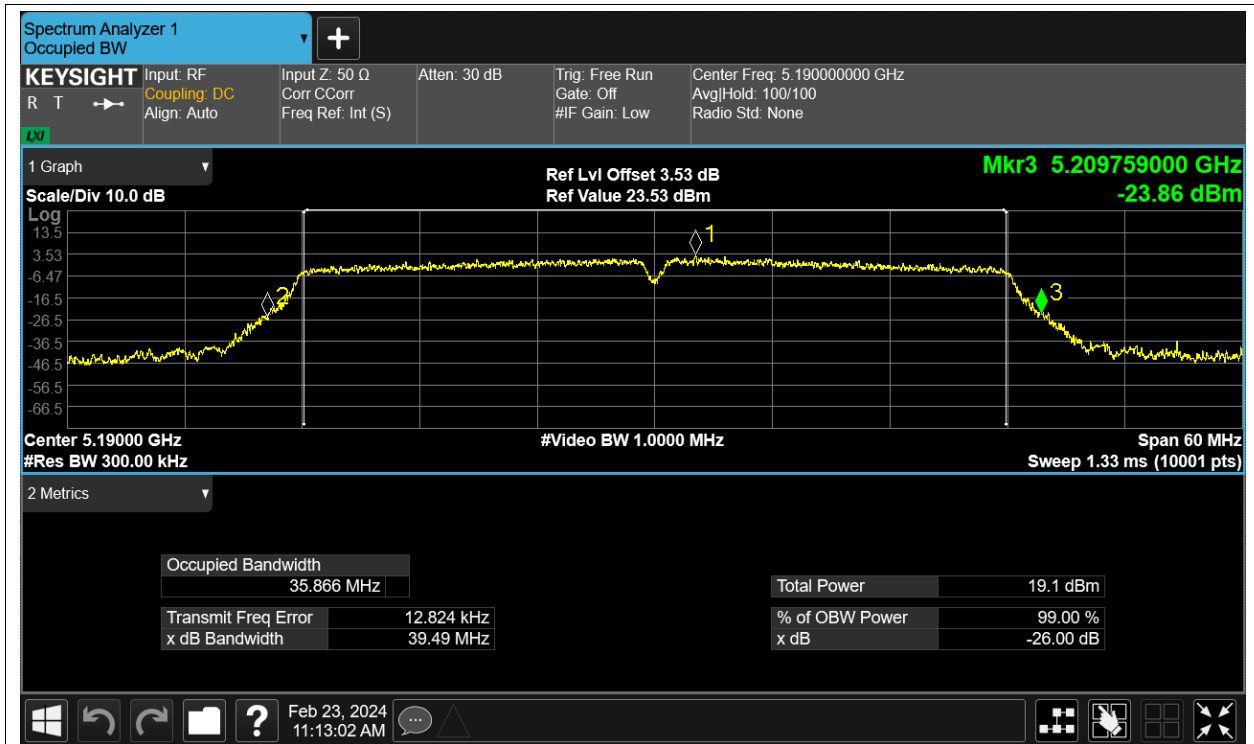
-26dB Bandwidth NVNT ac20 5200MHz Ant1



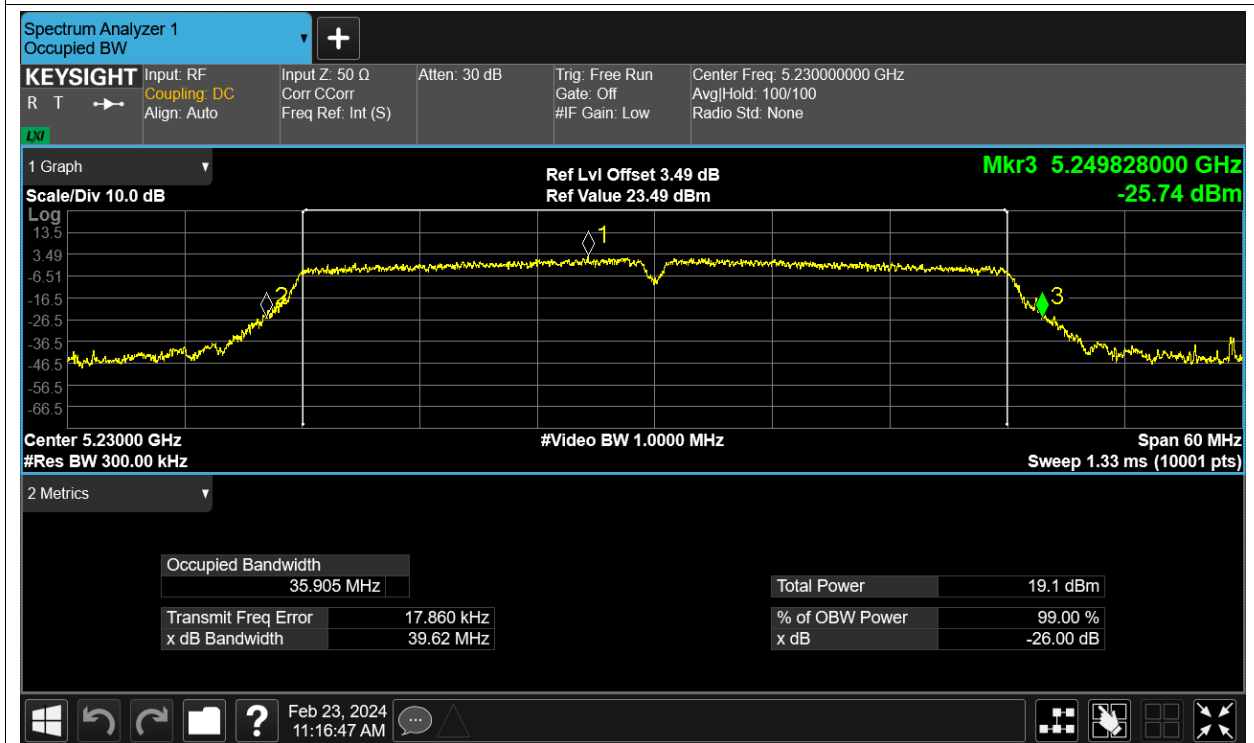
-26dB Bandwidth NVNT ac20 5240MHz Ant1



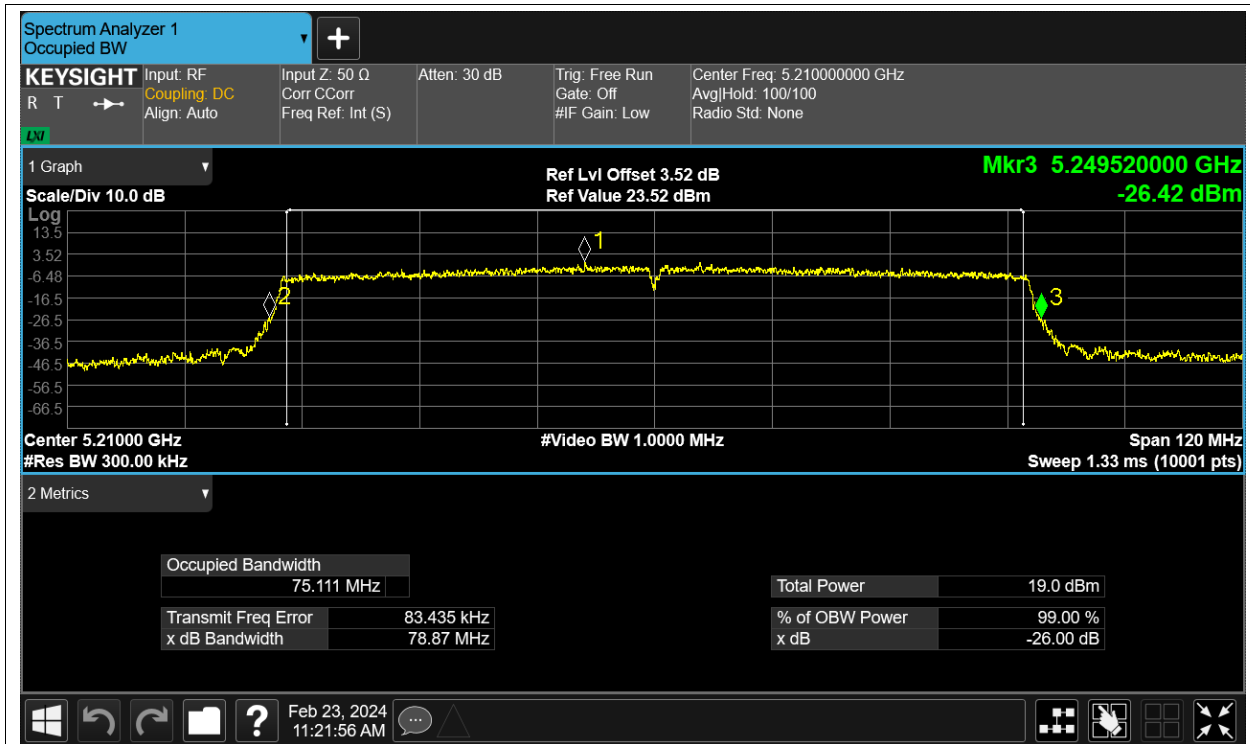
-26dB Bandwidth NVNT ac40 5190MHz Ant1



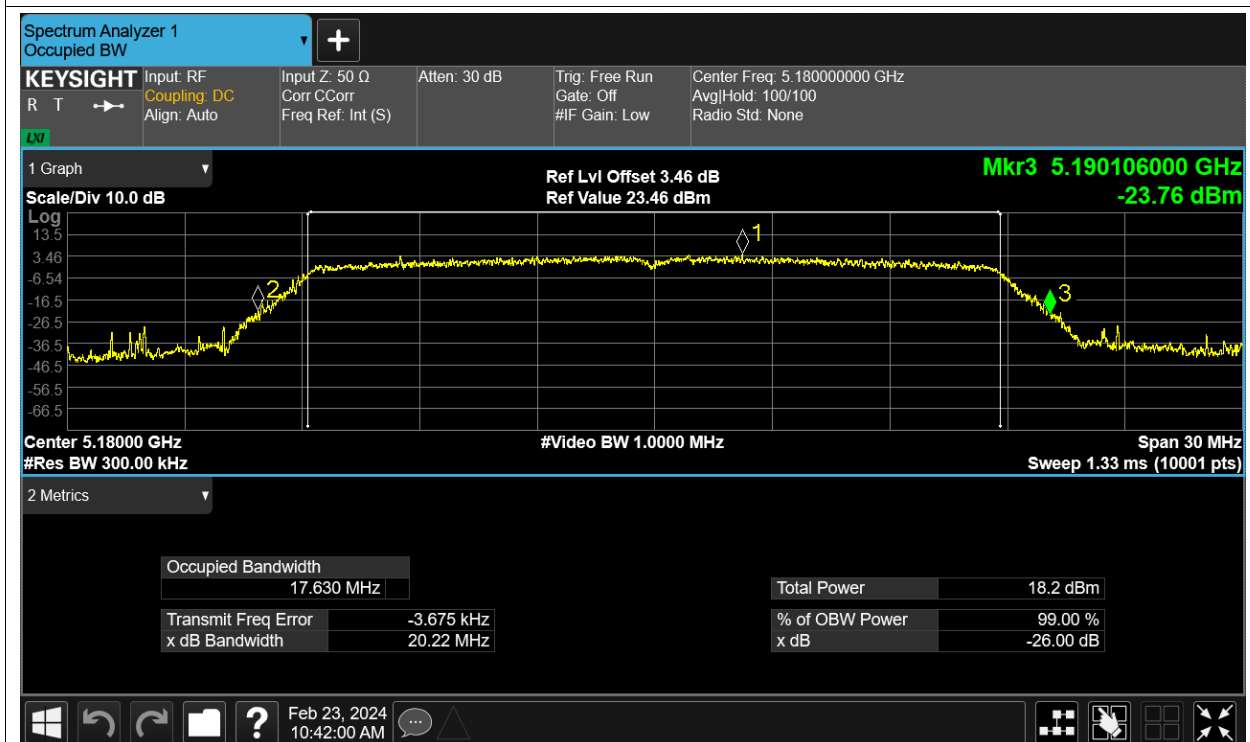
-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1



-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1

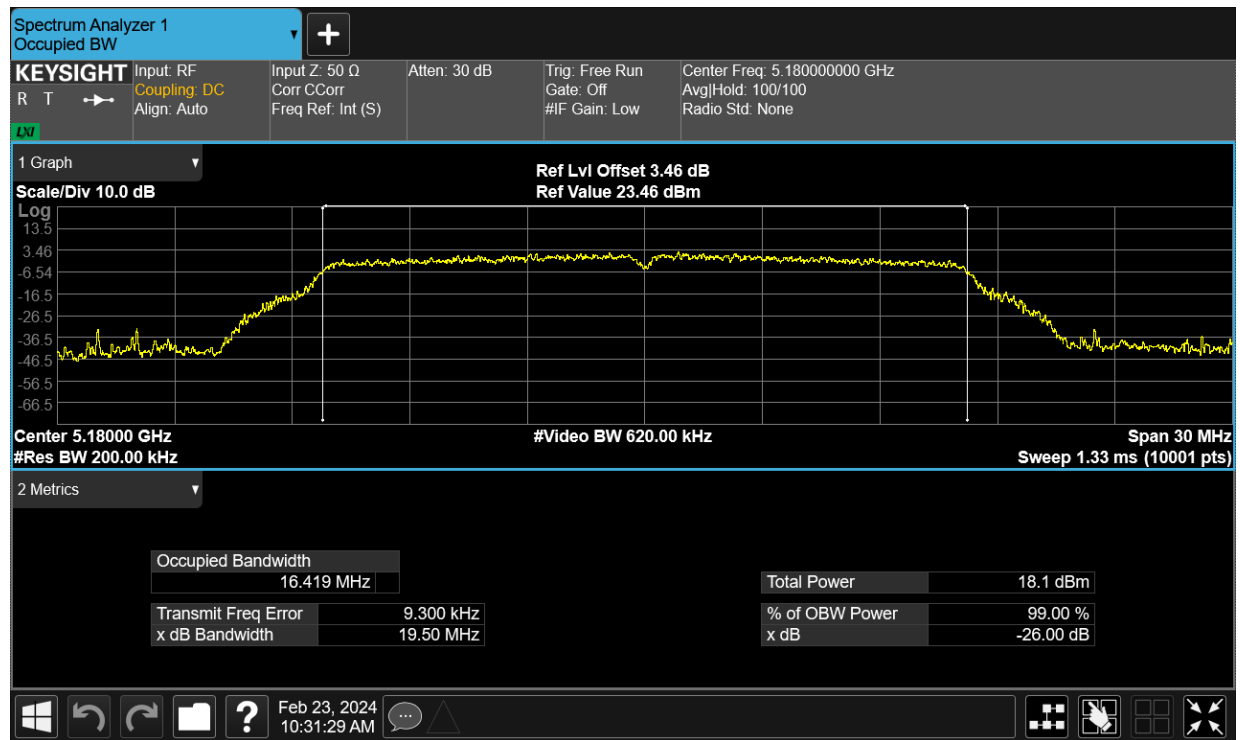


## Occupied Channel Bandwidth

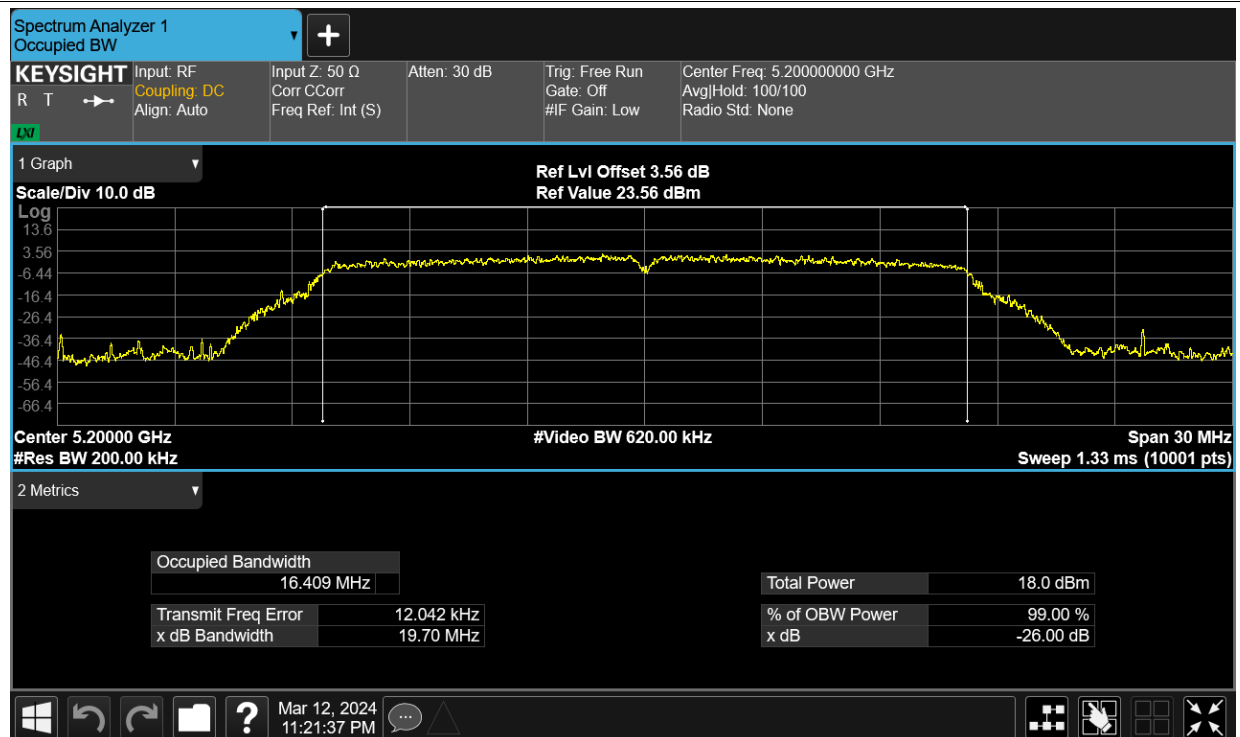
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5180            | Ant1    | 16.419        |
| NVNT      | a    | 5200            | Ant1    | 16.409        |
| NVNT      | a    | 5240            | Ant1    | 16.387        |
| NVNT      | ac20 | 5180            | Ant1    | 17.568        |
| NVNT      | ac20 | 5200            | Ant1    | 17.545        |
| NVNT      | ac20 | 5240            | Ant1    | 17.554        |
| NVNT      | ac40 | 5190            | Ant1    | 35.923        |
| NVNT      | ac40 | 5230            | Ant1    | 35.974        |
| NVNT      | ac80 | 5210            | Ant1    | 75.106        |
| NVNT      | n20  | 5180            | Ant1    | 17.541        |
| NVNT      | n20  | 5200            | Ant1    | 17.603        |
| NVNT      | n20  | 5240            | Ant1    | 17.564        |
| NVNT      | n40  | 5190            | Ant1    | 35.98         |
| NVNT      | n40  | 5230            | Ant1    | 35.949        |

## Test Graphs

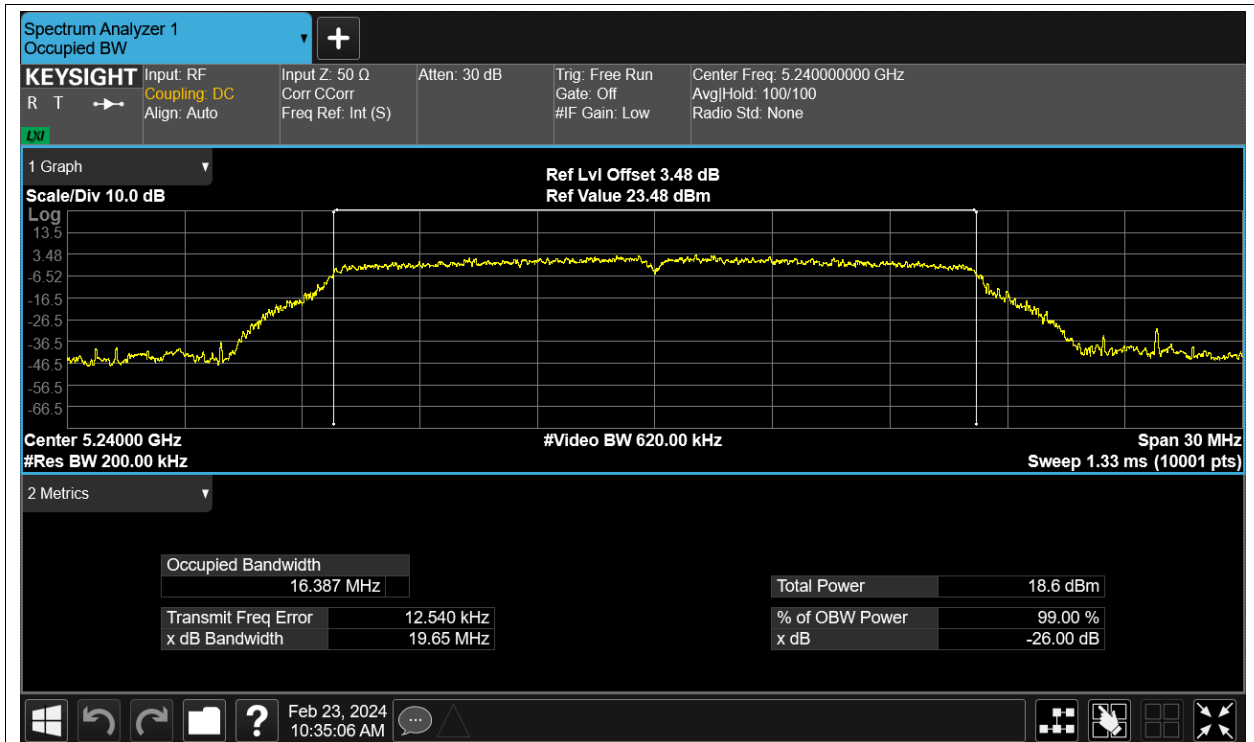
## OBW NVNT a 5180MHz Ant1



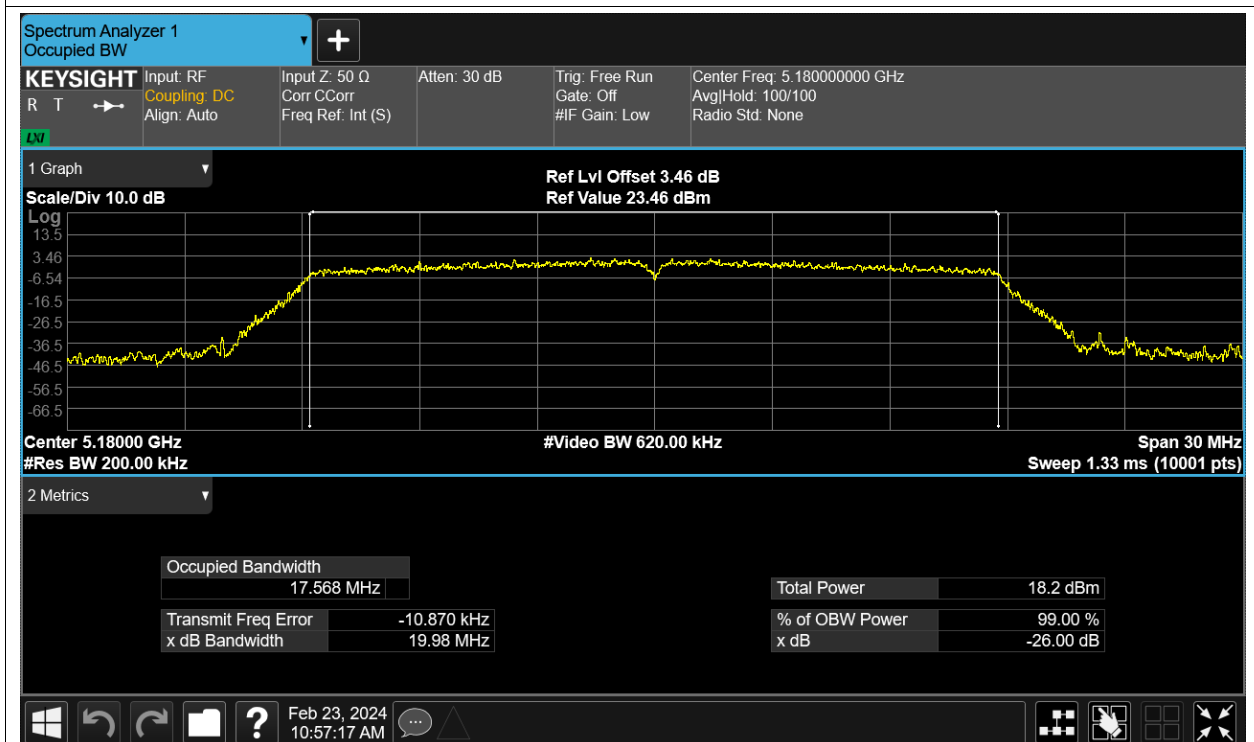
## OBW NVNT a 5200MHz Ant1



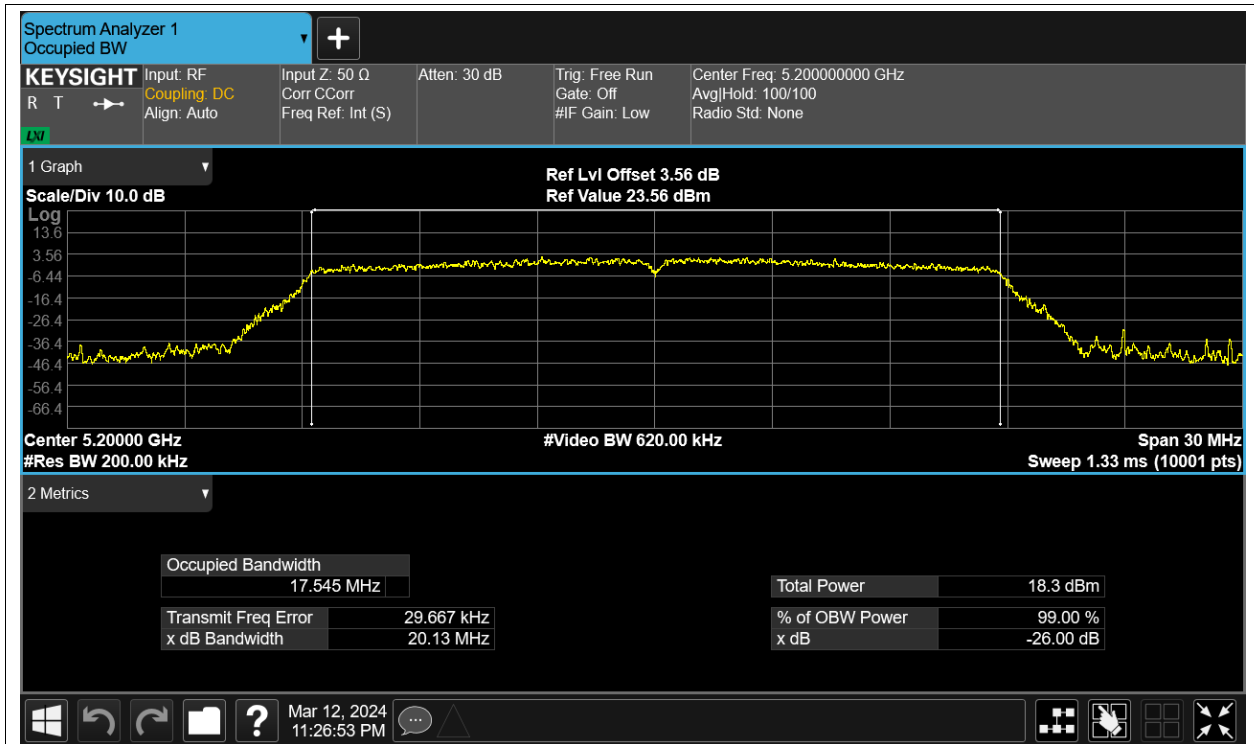
## OBW NVNT a 5240MHz Ant1



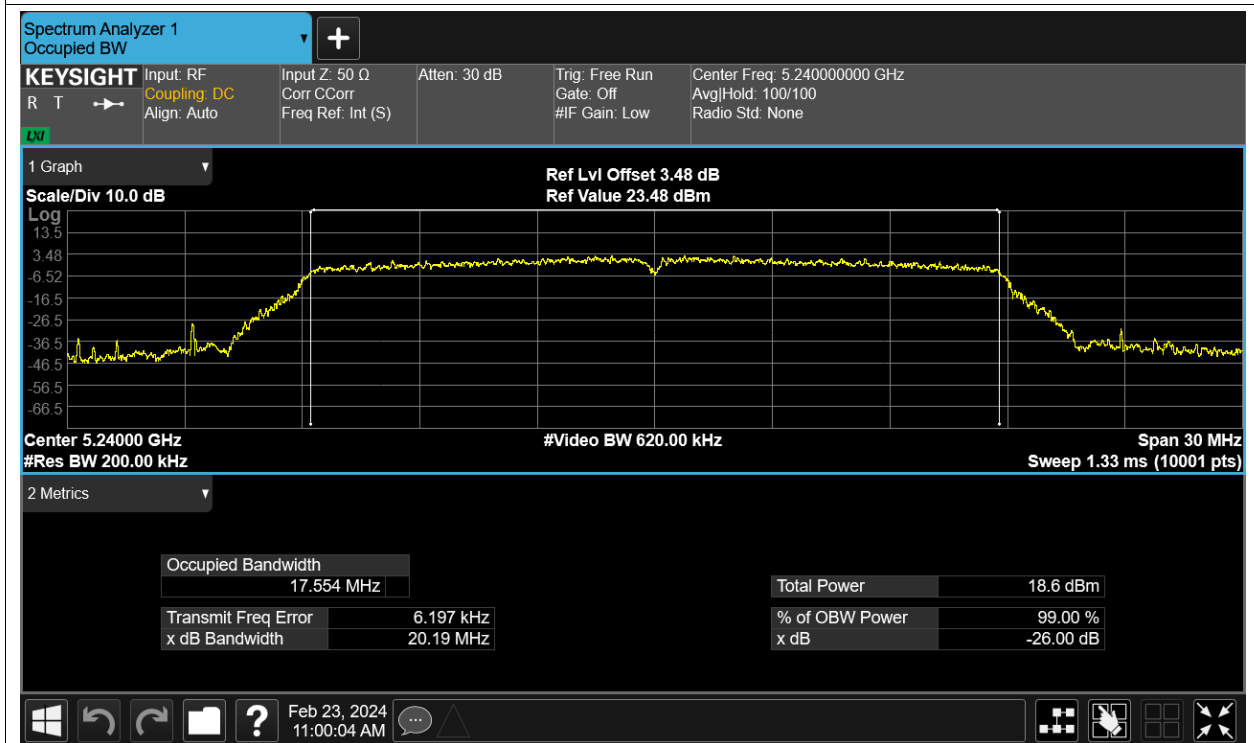
OBW NVNT ac20 5180MHz Ant1



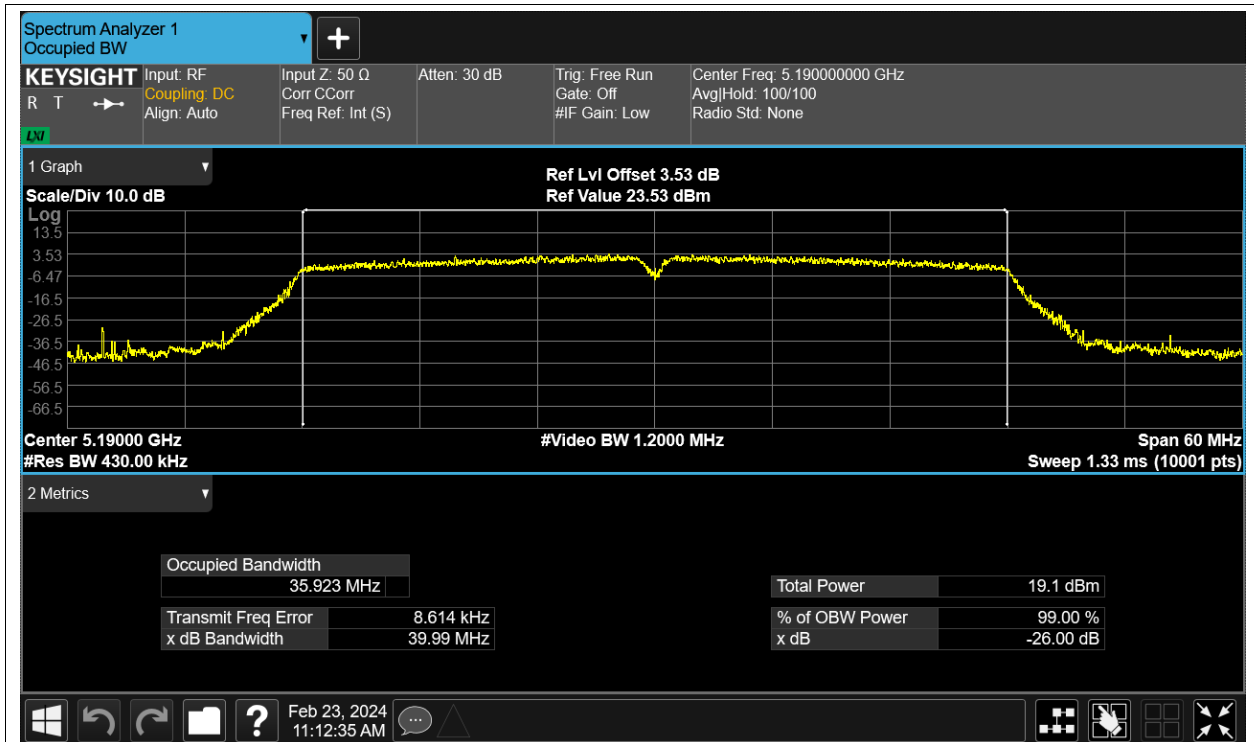
OBW NVNT ac20 5200MHz Ant1



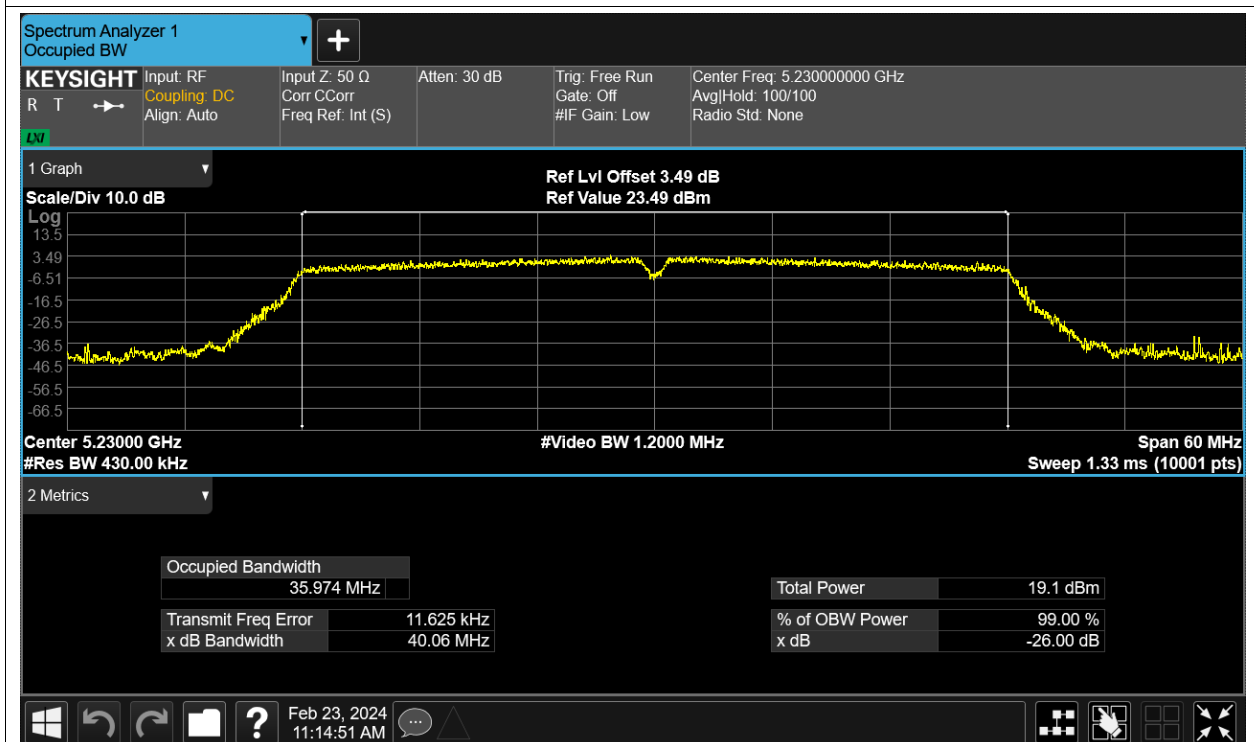
OBW NVNT ac20 5240MHz Ant1



OBW NVNT ac40 5190MHz Ant1



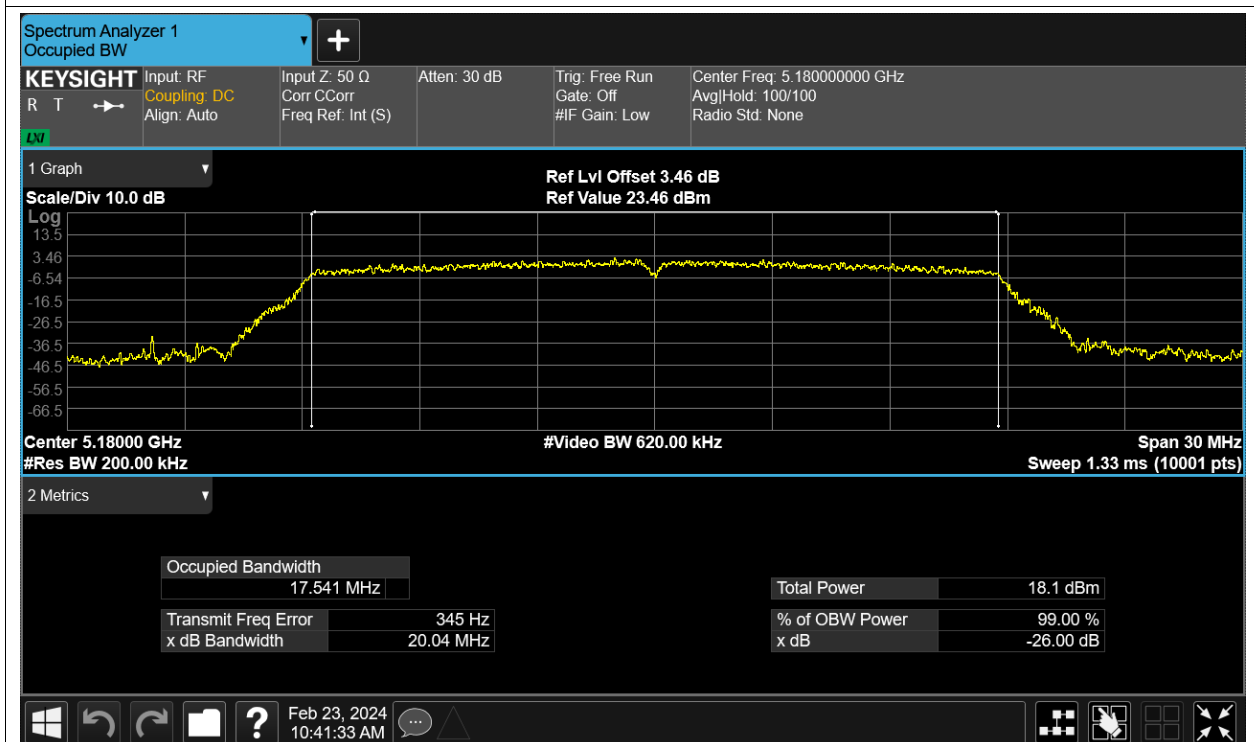
OBW NVNT ac40 5230MHz Ant1



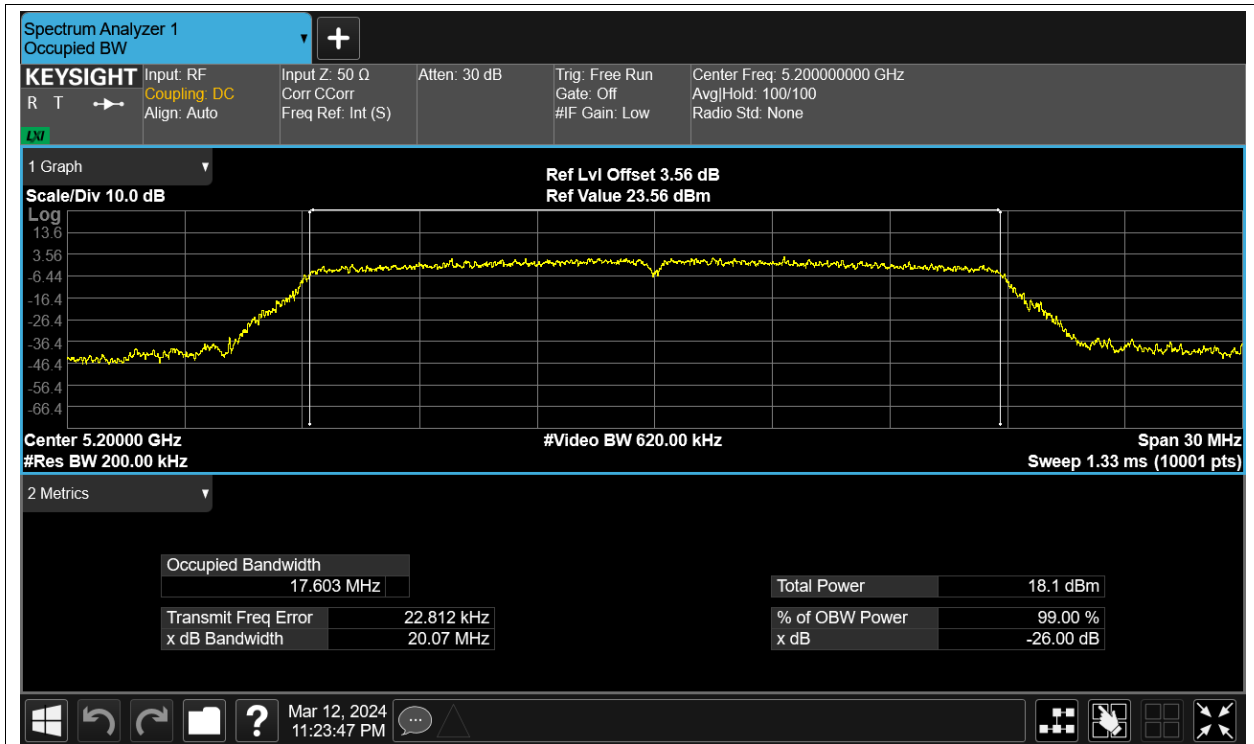
OBW NVNT ac80 5210MHz Ant1



OBW NVNT n20 5180MHz Ant1



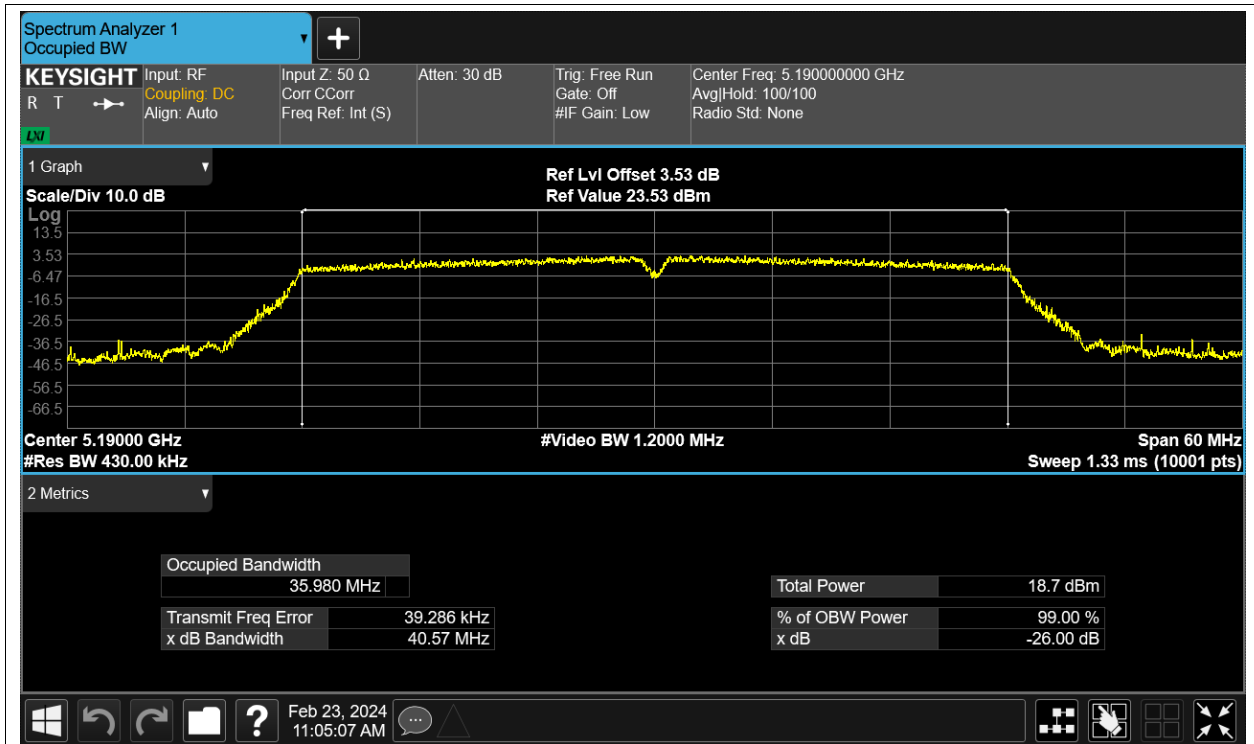
OBW NVNT n20 5200MHz Ant1



OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

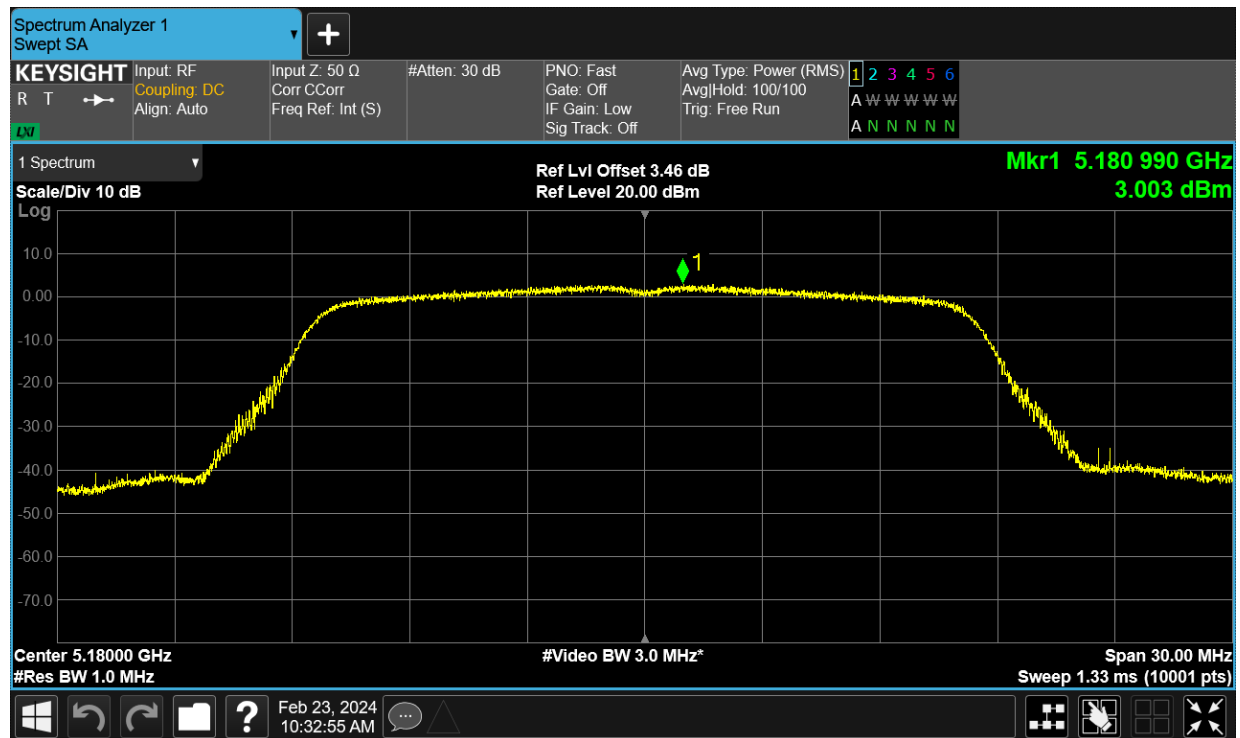


## Maximum Power Spectral Density Level

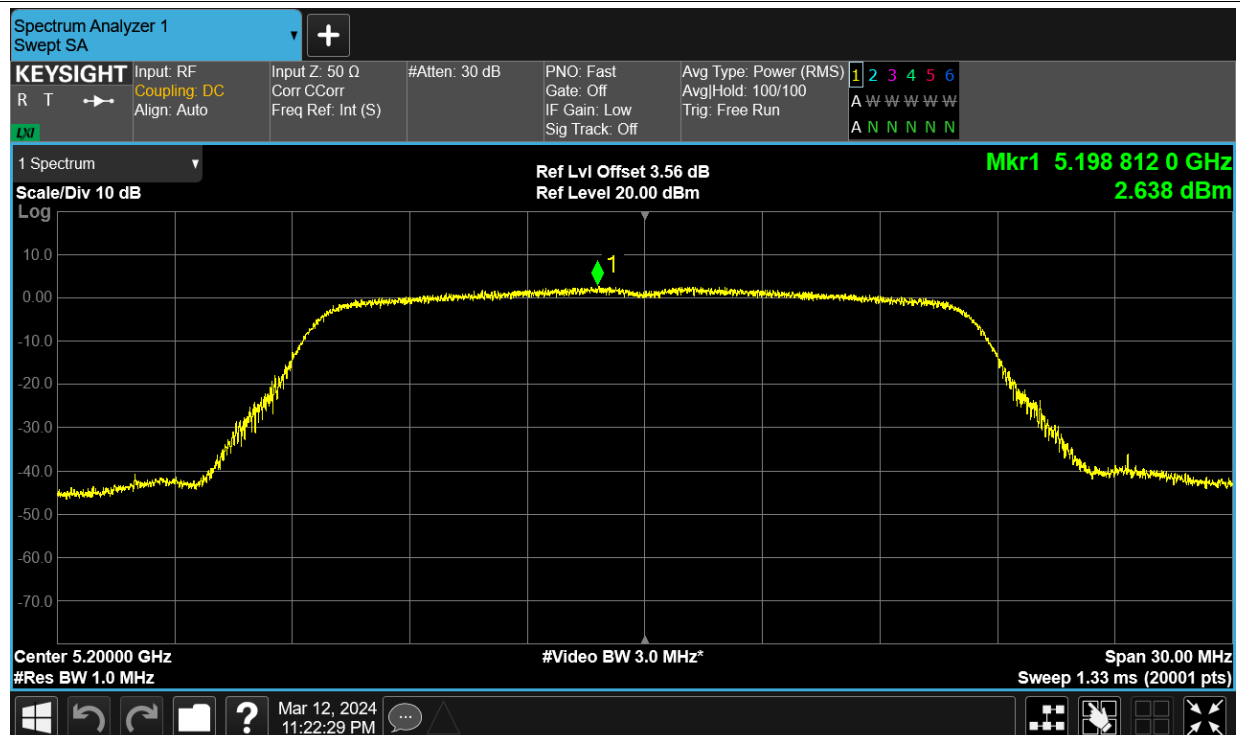
| Condition | Mode | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------|-------------|---------|
| NVNT      | a    | 5180            | Ant1    | 3.003         | 11          | Pass    |
| NVNT      | a    | 5200            | Ant1    | 2.638         | 11          | Pass    |
| NVNT      | a    | 5240            | Ant1    | 3.37          | 11          | Pass    |
| NVNT      | ac20 | 5180            | Ant1    | 3.001         | 11          | Pass    |
| NVNT      | ac20 | 5200            | Ant1    | 2.773         | 11          | Pass    |
| NVNT      | ac20 | 5240            | Ant1    | 3.332         | 11          | Pass    |
| NVNT      | ac40 | 5190            | Ant1    | 0.882         | 11          | Pass    |
| NVNT      | ac40 | 5230            | Ant1    | 0.757         | 11          | Pass    |
| NVNT      | ac80 | 5210            | Ant1    | -2.921        | 11          | Pass    |
| NVNT      | n20  | 5180            | Ant1    | 3.223         | 11          | Pass    |
| NVNT      | n20  | 5200            | Ant1    | 2.845         | 11          | Pass    |
| NVNT      | n20  | 5240            | Ant1    | 3.255         | 11          | Pass    |
| NVNT      | n40  | 5190            | Ant1    | 0.069         | 11          | Pass    |
| NVNT      | n40  | 5230            | Ant1    | 0.662         | 11          | Pass    |

Test Graphs

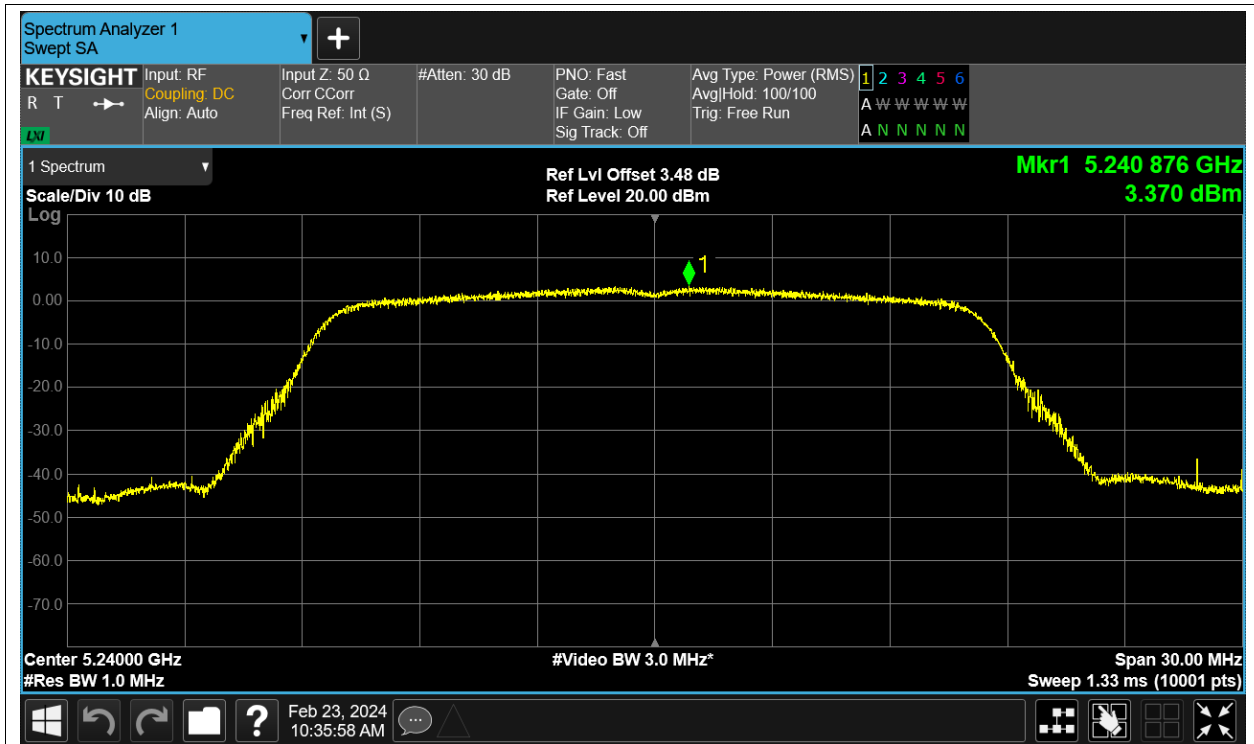
PSD NVNT a 5180MHz Ant1



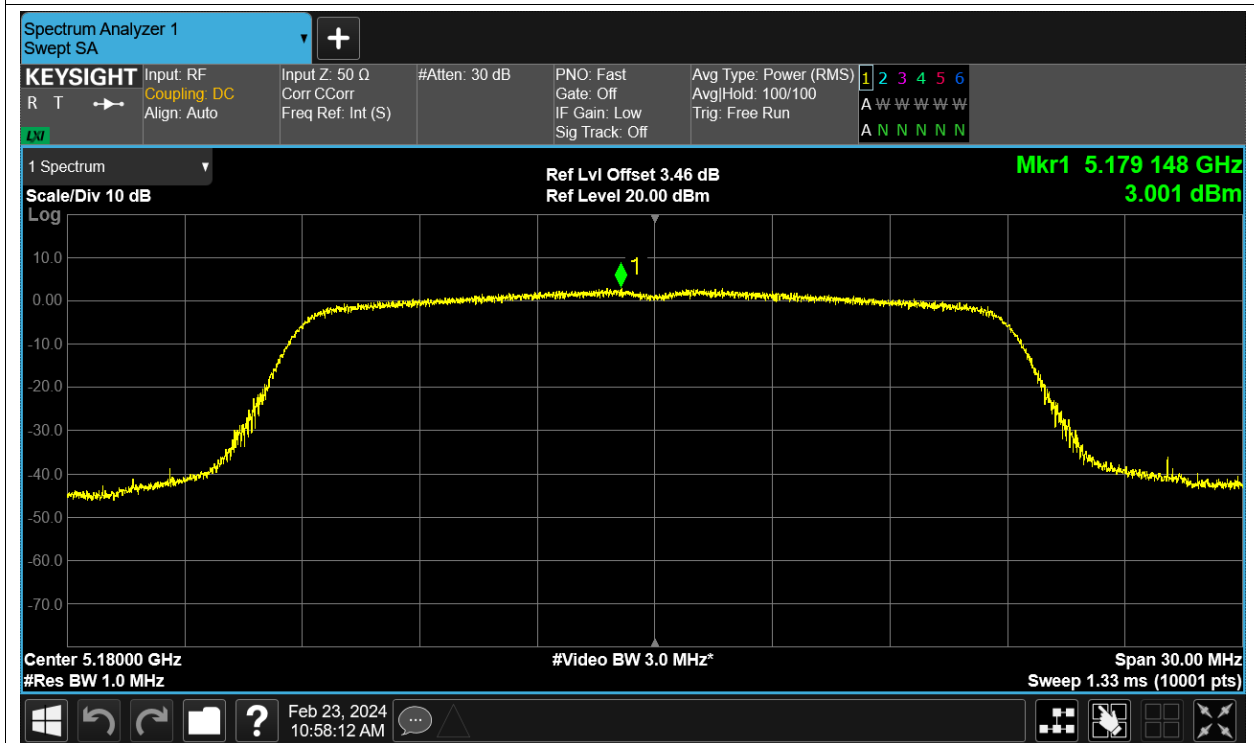
PSD NVNT a 5200MHz Ant1



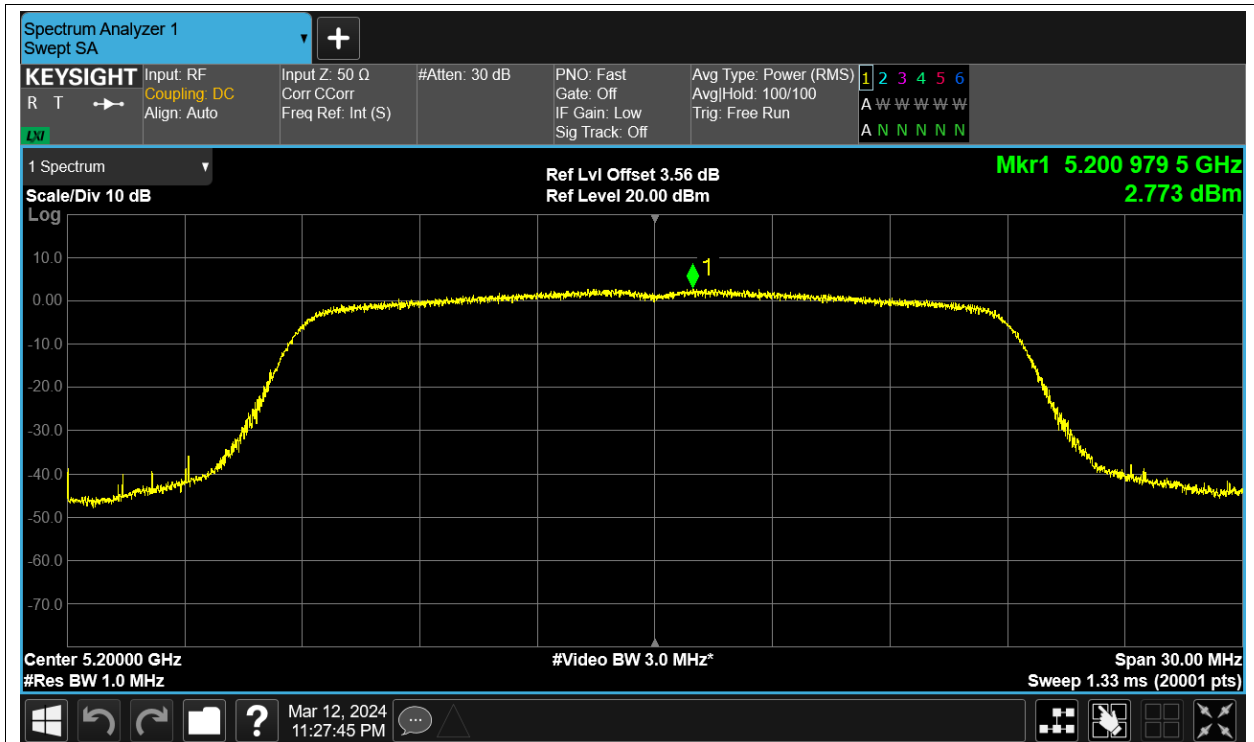
PSD NVNT a 5240MHz Ant1



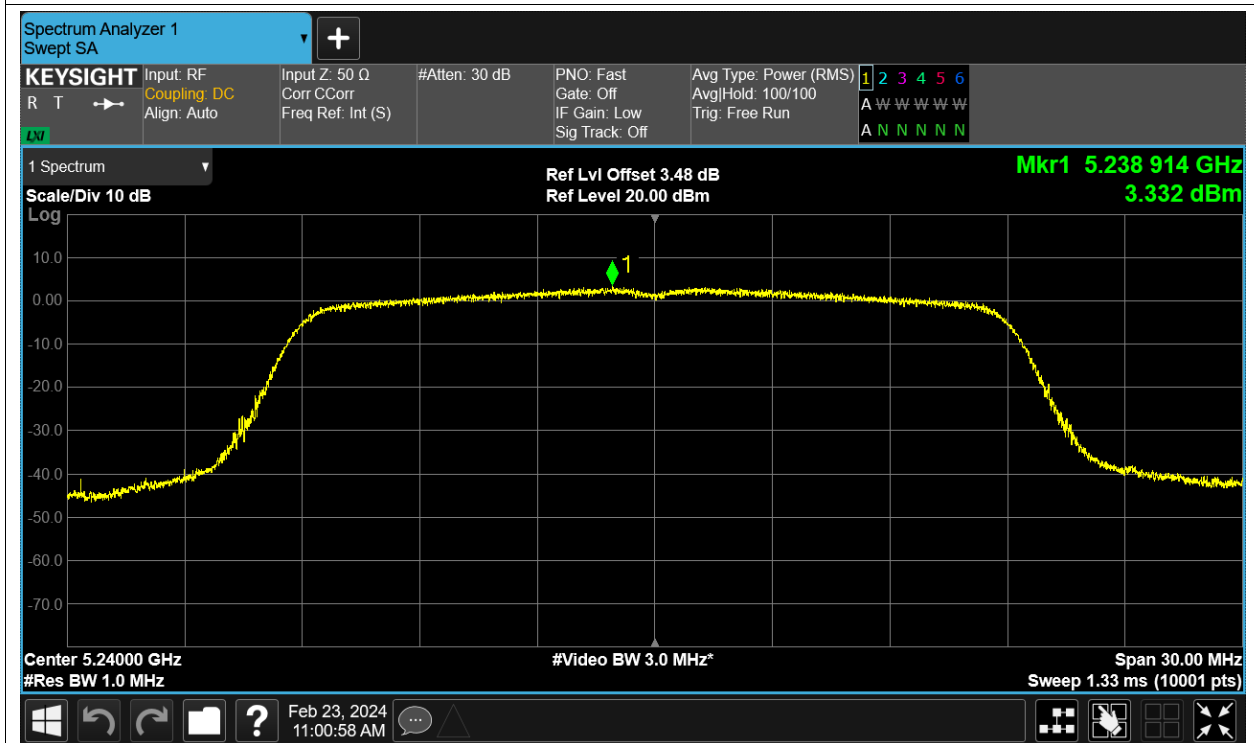
PSD NVNT ac20 5180MHz Ant1



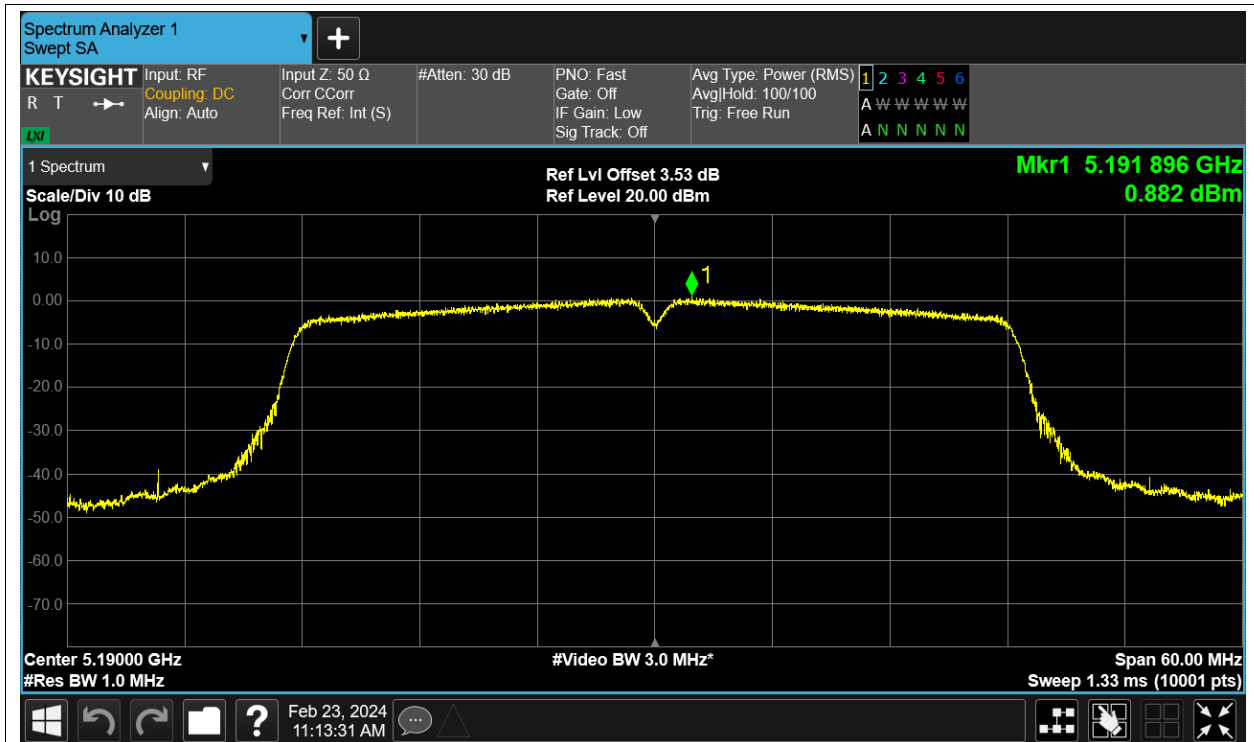
PSD NVNT ac20 5200MHz Ant1



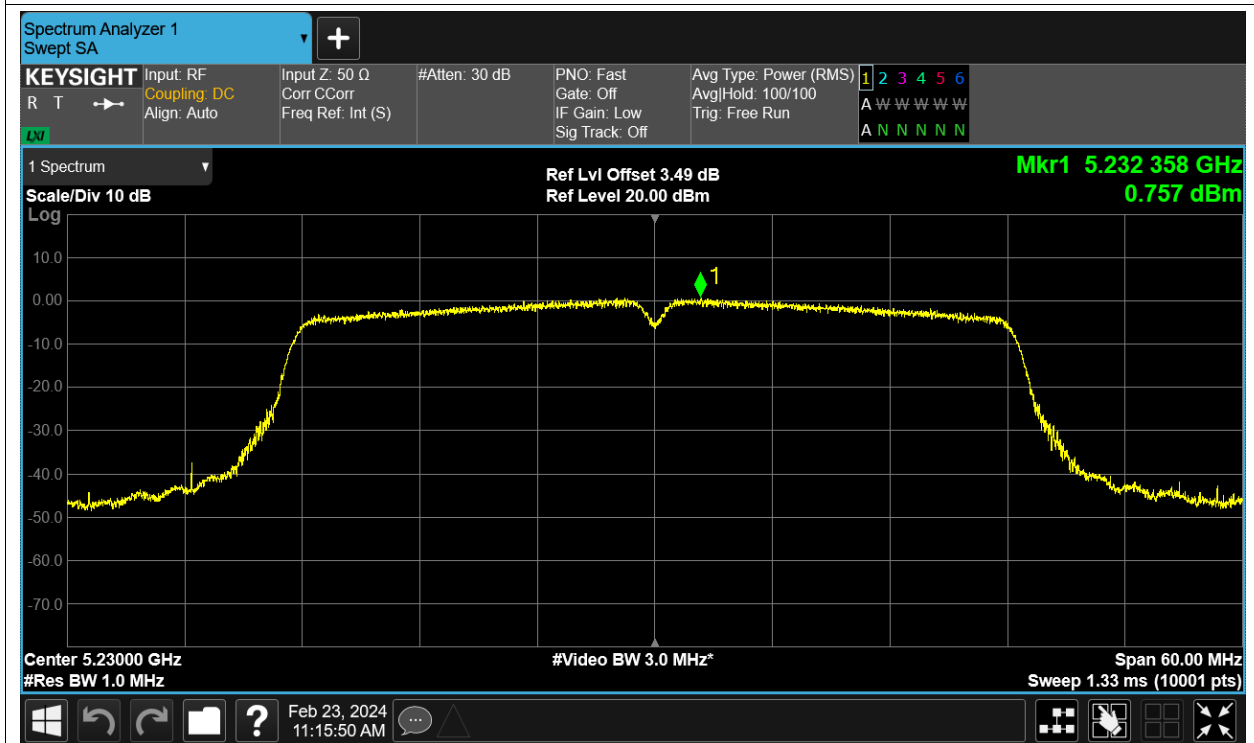
PSD NVNT ac20 5240MHz Ant1



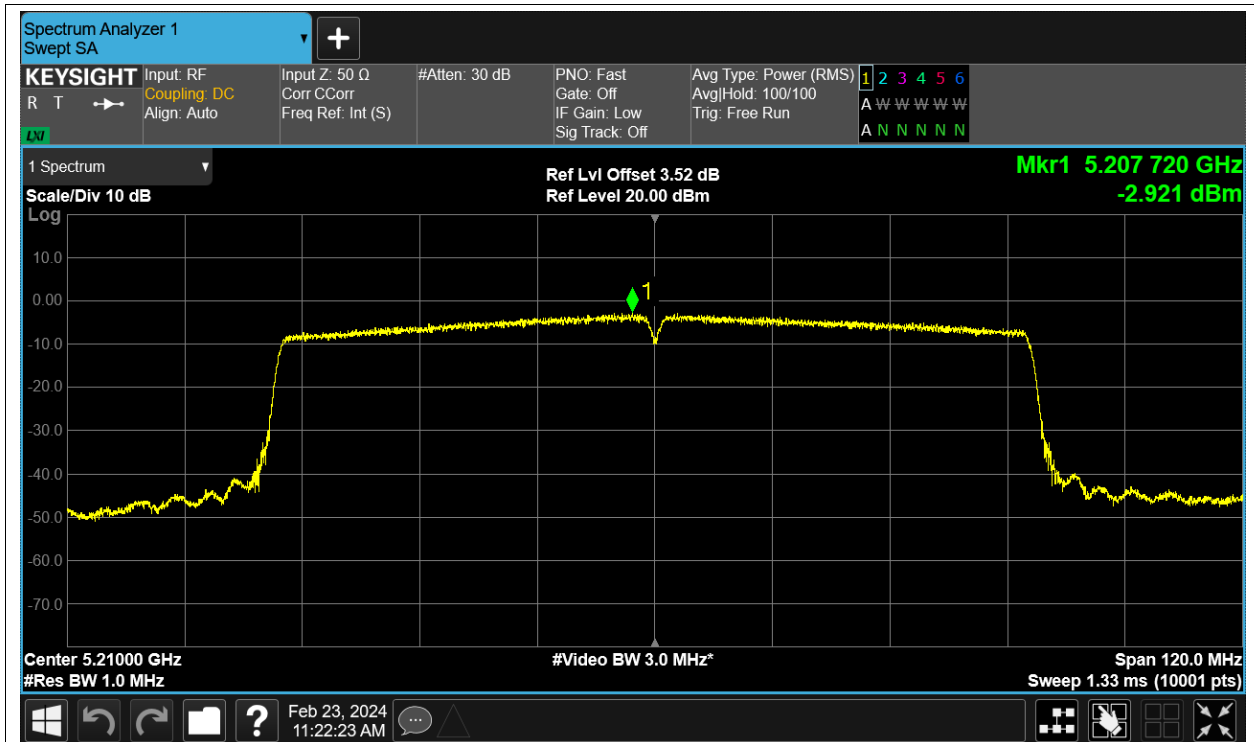
PSD NVNT ac40 5190MHz Ant1



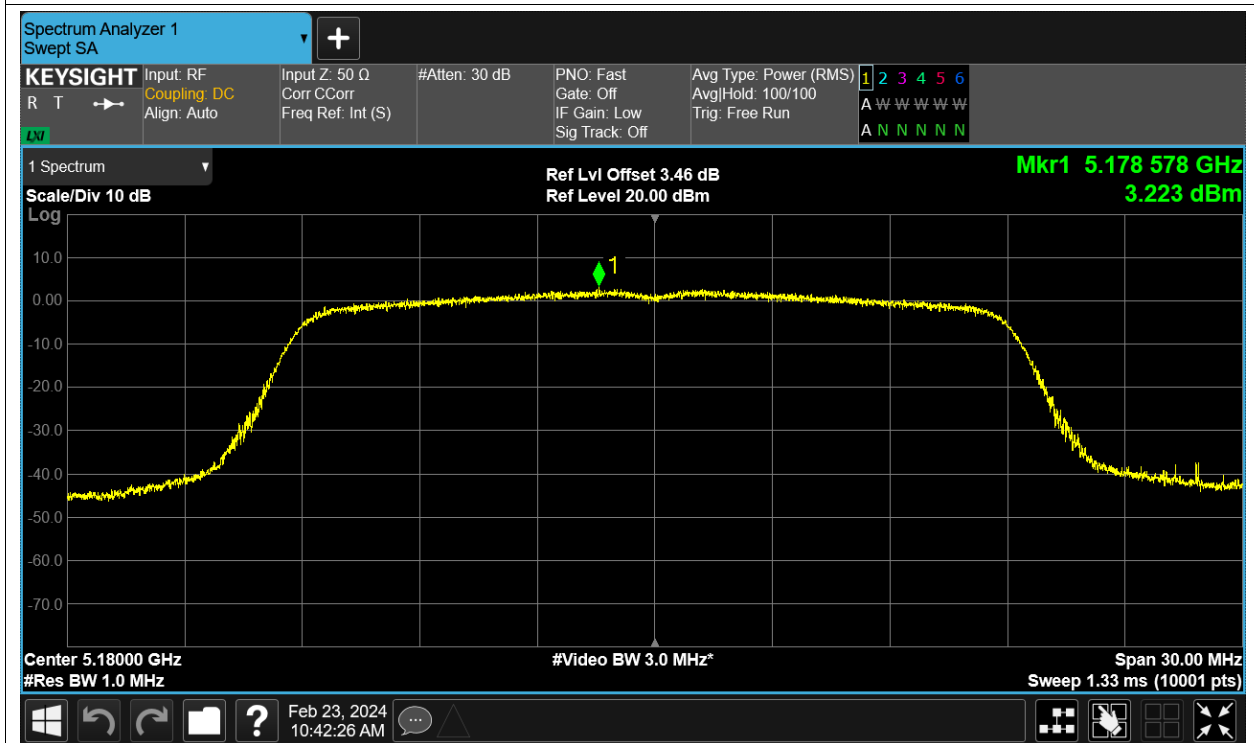
PSD NVNT ac40 5230MHz Ant1



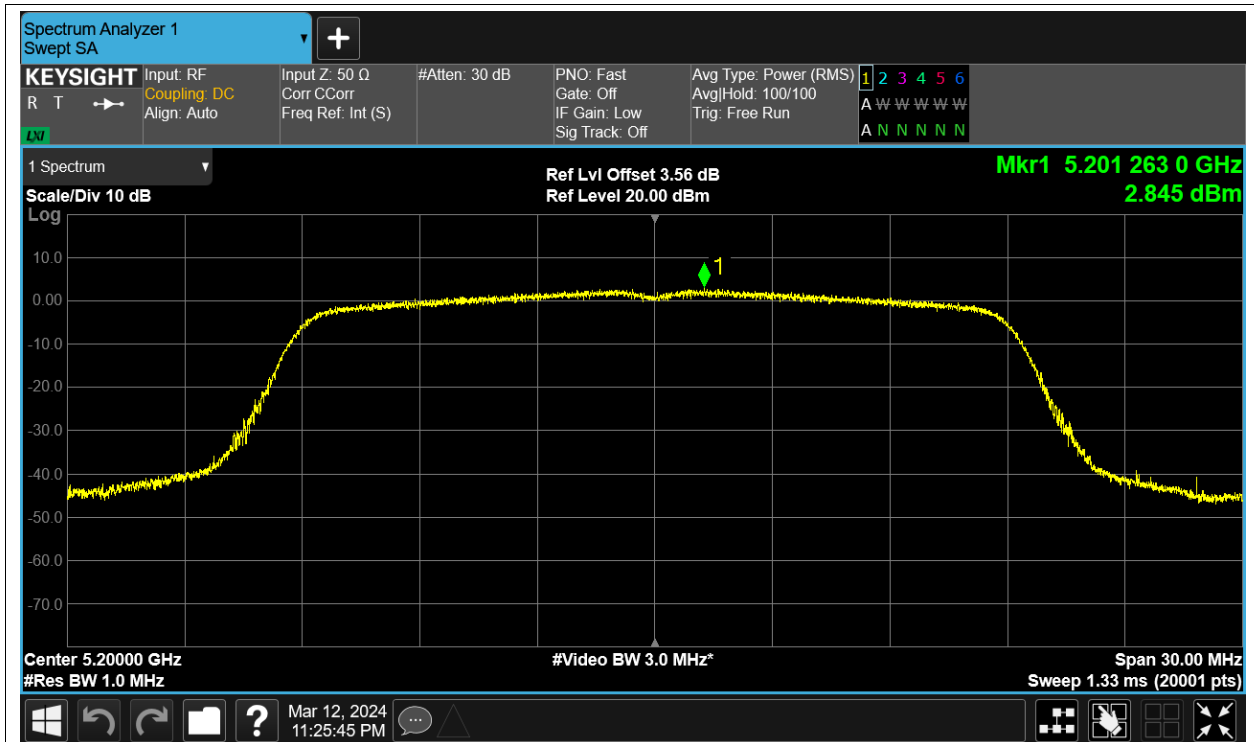
PSD NVNT ac80 5210MHz Ant1



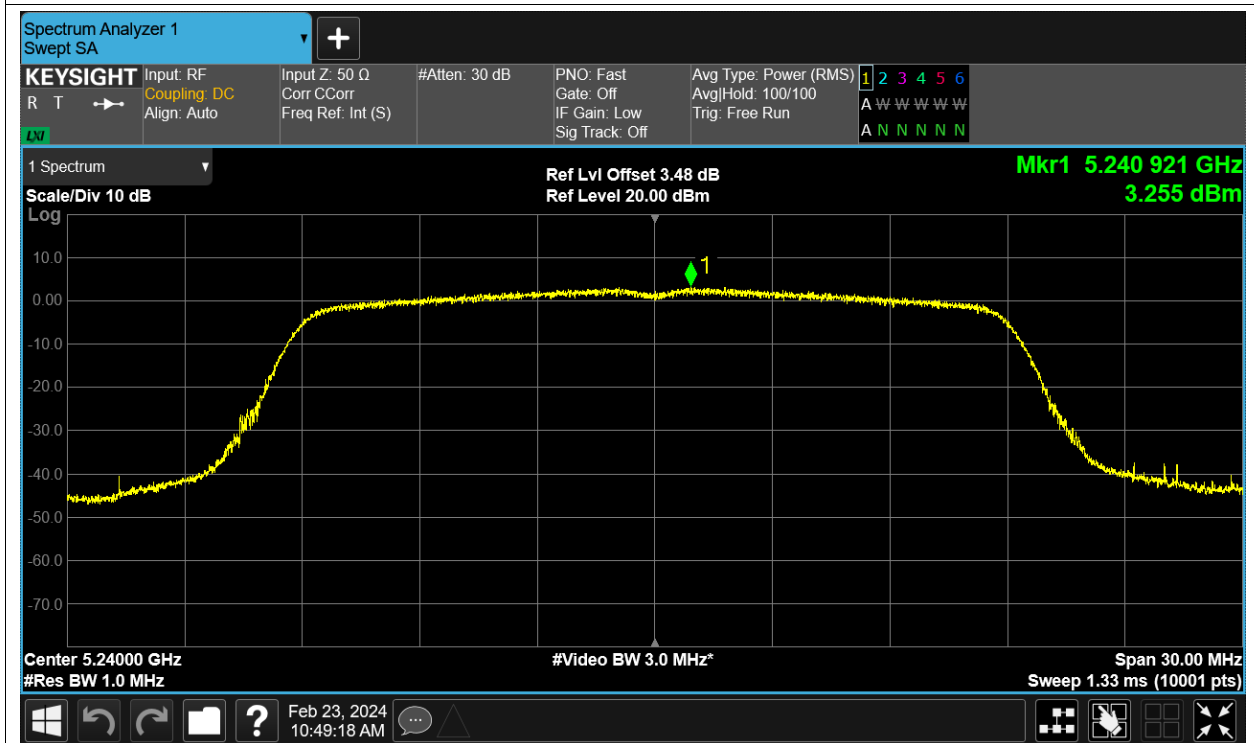
PSD NVNT n20 5180MHz Ant1



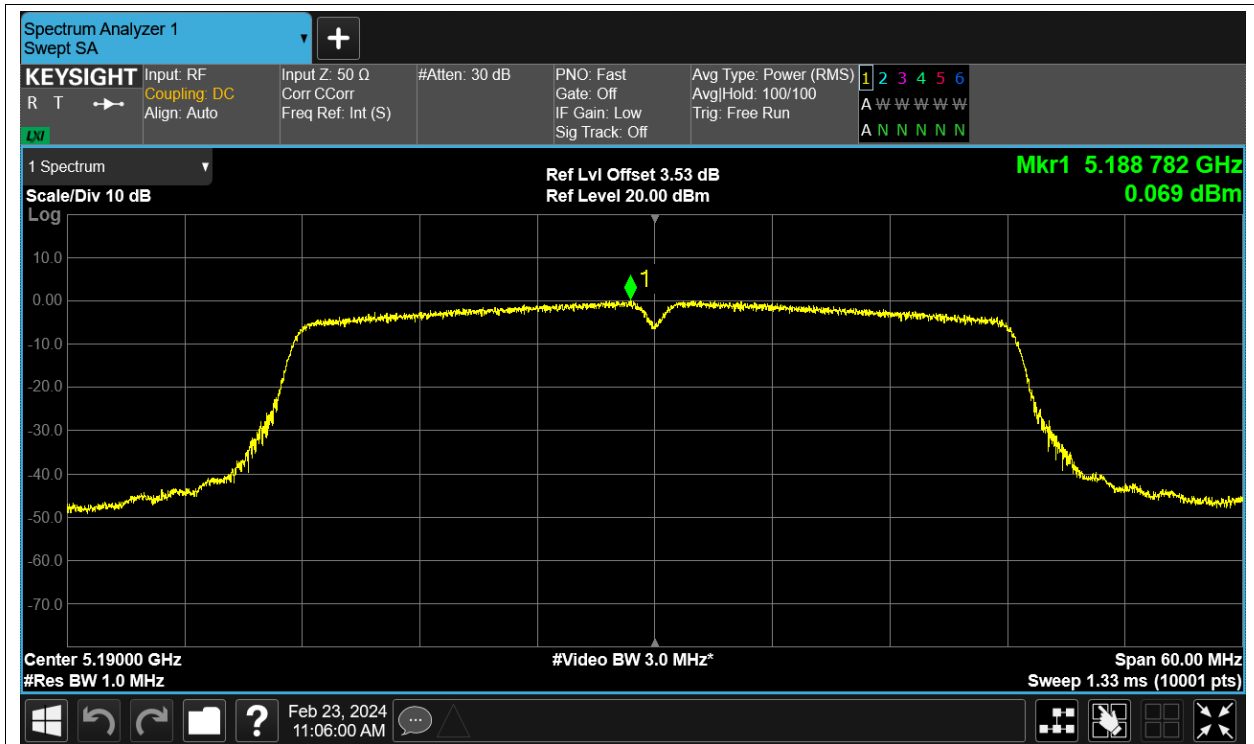
PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

