

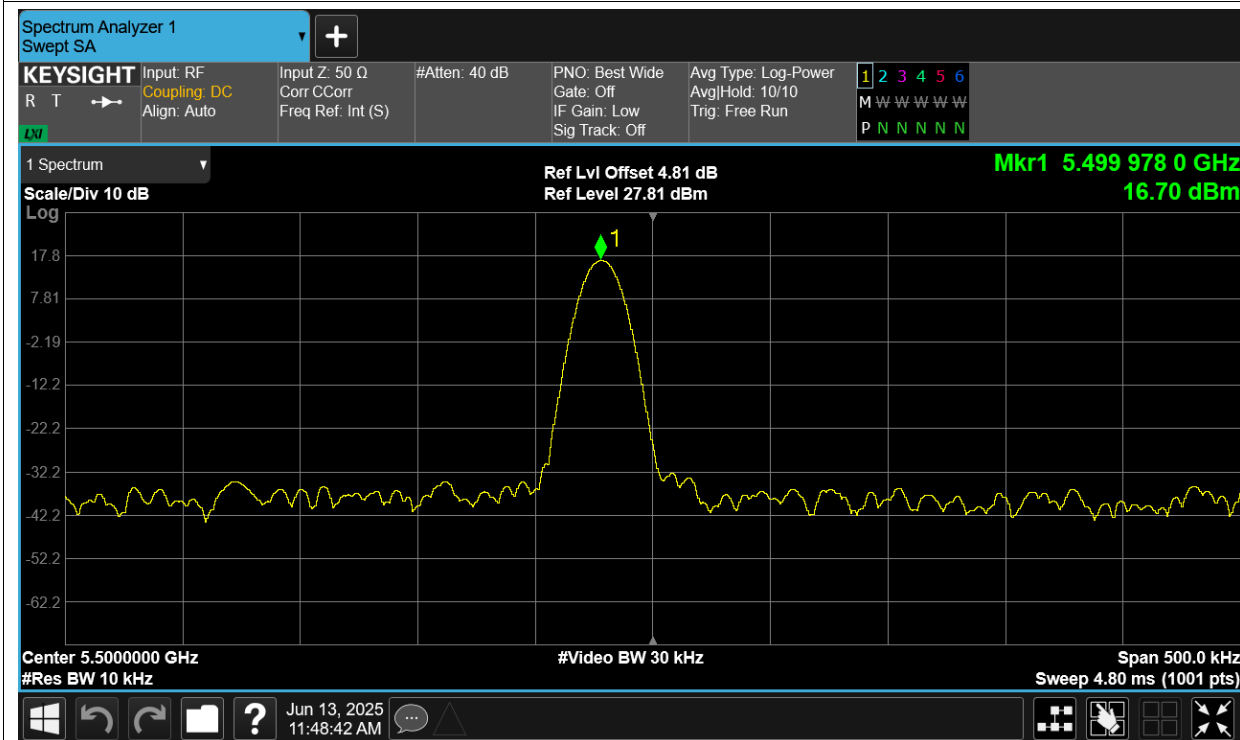
## Test Data

### Frequency Stability

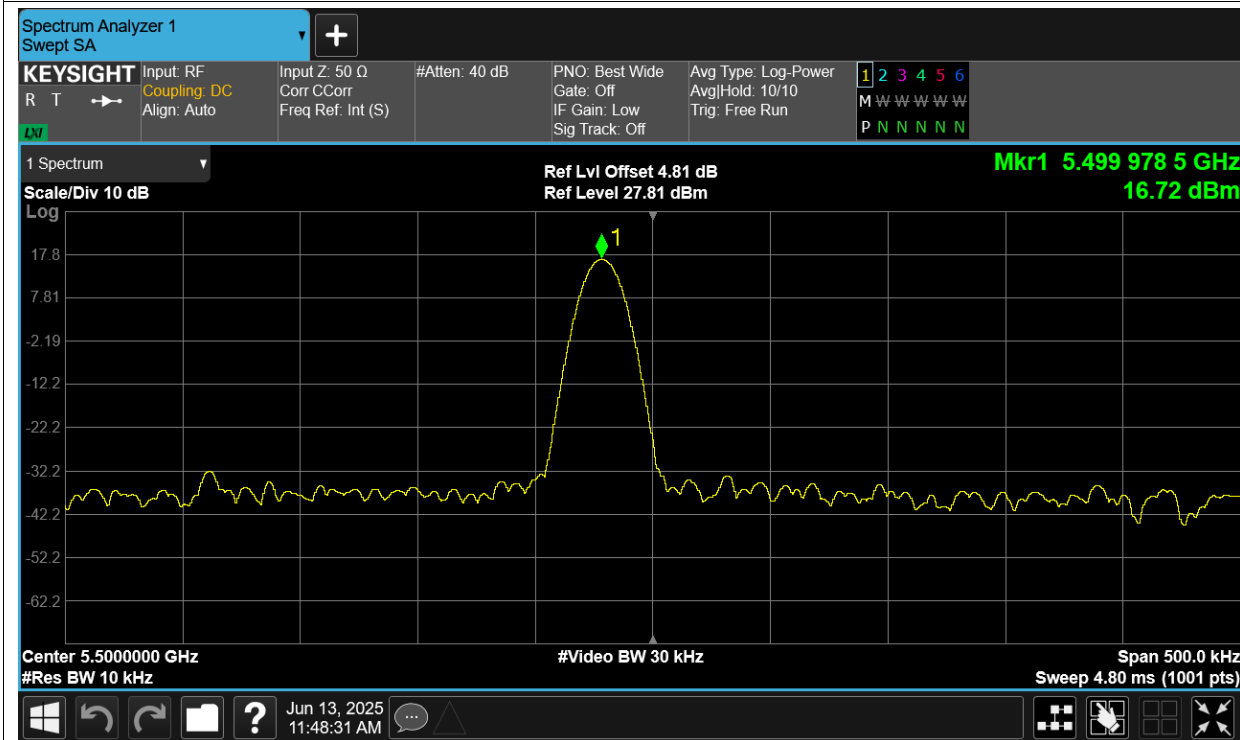
| Condition                                                                                                                                                                                                                             | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Deviation (ppm) | Limit (ppm)                  | Verdict |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|---------|--------------------------|-----------------|------------------------------|---------|
| HVNT                                                                                                                                                                                                                                  | a    | 5500            | Ant1    | 5499.978                 | -4              | Within<br>authorized<br>band | Pass    |
| LVNT                                                                                                                                                                                                                                  | a    | 5500            | Ant1    | 5499.9785                | -3.91           |                              | Pass    |
| NVHT                                                                                                                                                                                                                                  | a    | 5500            | Ant1    | 5499.9785                | -3.91           |                              | Pass    |
| NVLT                                                                                                                                                                                                                                  | a    | 5500            | Ant1    | 5499.979                 | -3.82           |                              | Pass    |
| NVNT                                                                                                                                                                                                                                  | a    | 5500            | Ant1    | 5499.979                 | -3.82           |                              | Pass    |
| HVNT                                                                                                                                                                                                                                  | ac80 | 5530            | Ant1    | 5529.976                 | -4.34           |                              | Pass    |
| LVNT                                                                                                                                                                                                                                  | ac80 | 5530            | Ant1    | 5529.976                 | -4.34           |                              | Pass    |
| NVHT                                                                                                                                                                                                                                  | ac80 | 5530            | Ant1    | 5529.9765                | -4.25           |                              | Pass    |
| NVLT                                                                                                                                                                                                                                  | ac80 | 5530            | Ant1    | 5529.9765                | -4.25           |                              | Pass    |
| NVNT                                                                                                                                                                                                                                  | ac80 | 5530            | Ant1    | 5529.9765                | -4.25           |                              | Pass    |
| HVNT                                                                                                                                                                                                                                  | n40  | 5510            | Ant1    | 5509.977                 | -4.17           |                              | Pass    |
| LVNT                                                                                                                                                                                                                                  | n40  | 5510            | Ant1    | 5509.977                 | -4.17           |                              | Pass    |
| NVHT                                                                                                                                                                                                                                  | n40  | 5510            | Ant1    | 5509.977                 | -4.17           |                              | Pass    |
| NVLT                                                                                                                                                                                                                                  | n40  | 5510            | Ant1    | 5509.977                 | -4.17           |                              | Pass    |
| NVNT                                                                                                                                                                                                                                  | n40  | 5510            | Ant1    | 5509.9775                | -4.08           |                              | 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

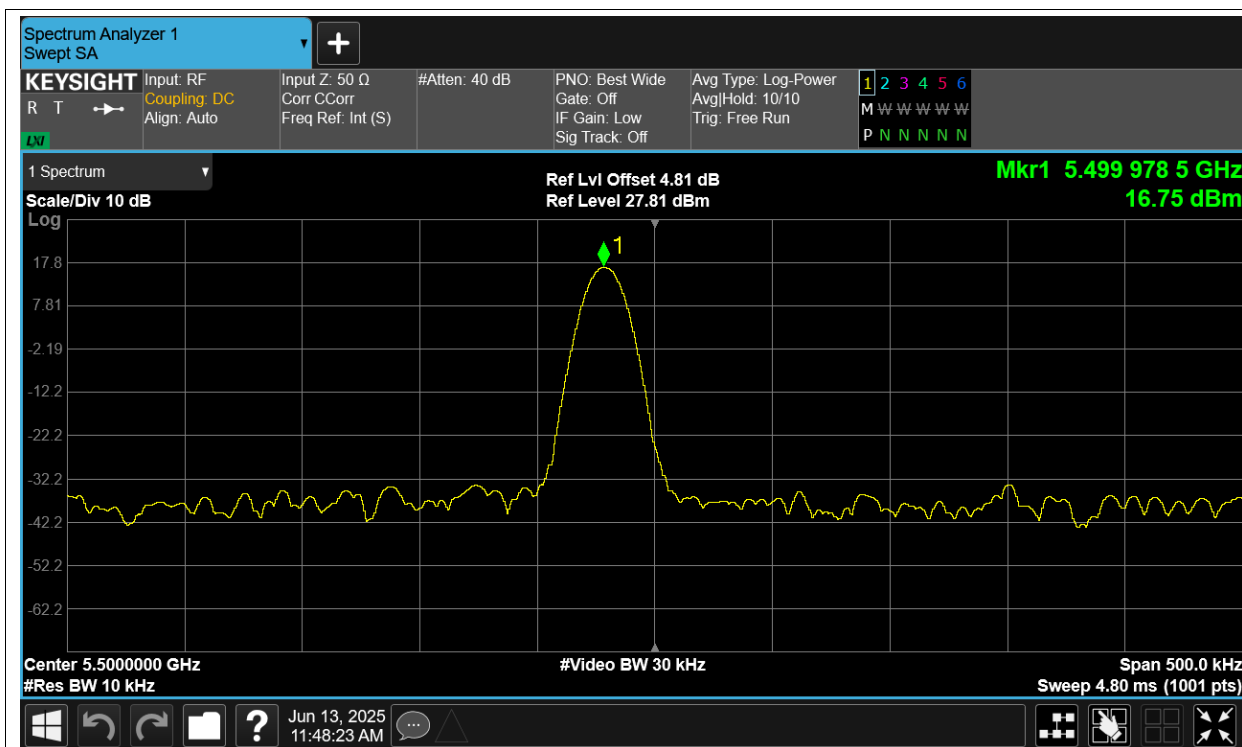
Freq. Stability HVNT a 5500MHz Ant1



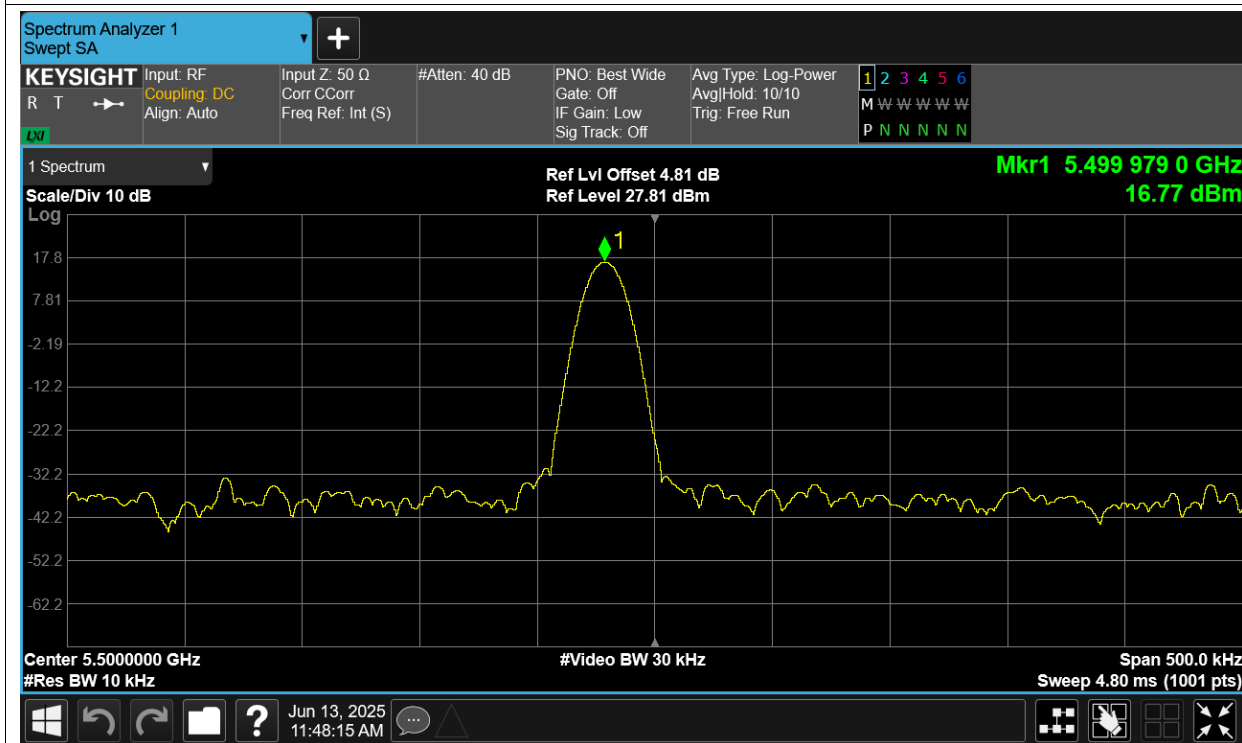
Freq. Stability LVNT a 5500MHz Ant1



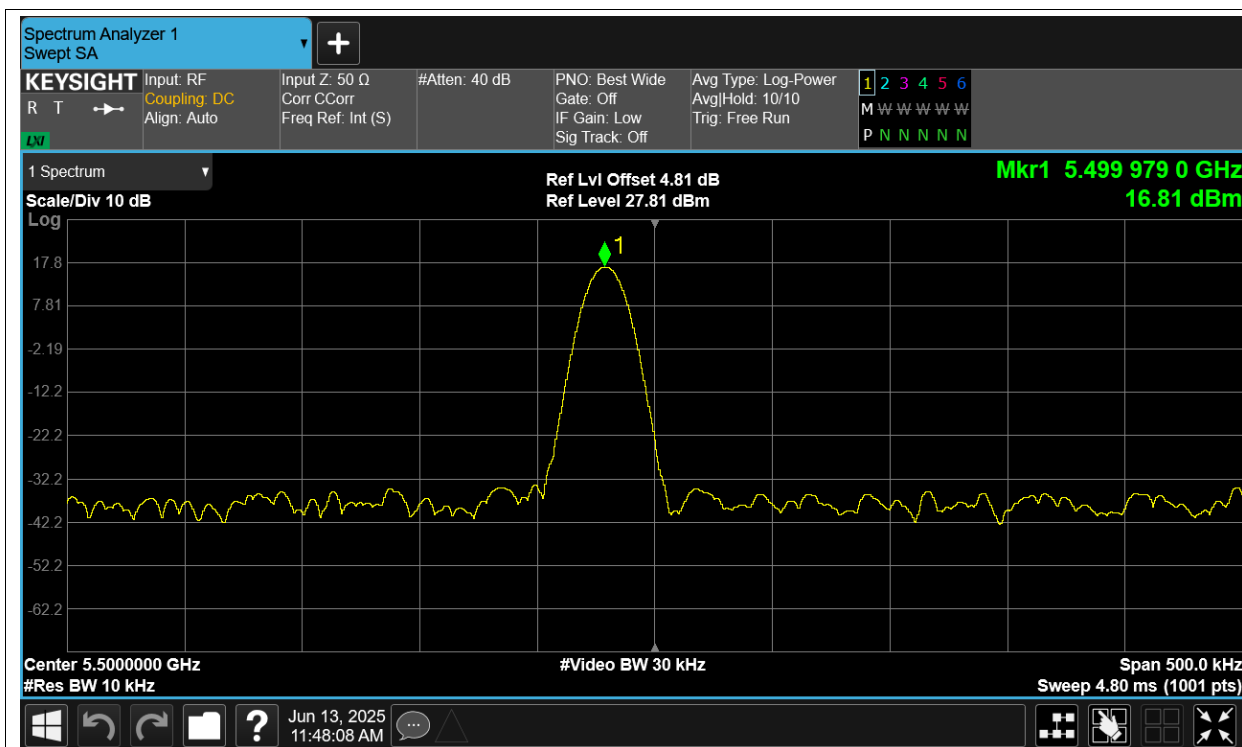
Freq. Stability NVHT a 5500MHz Ant1



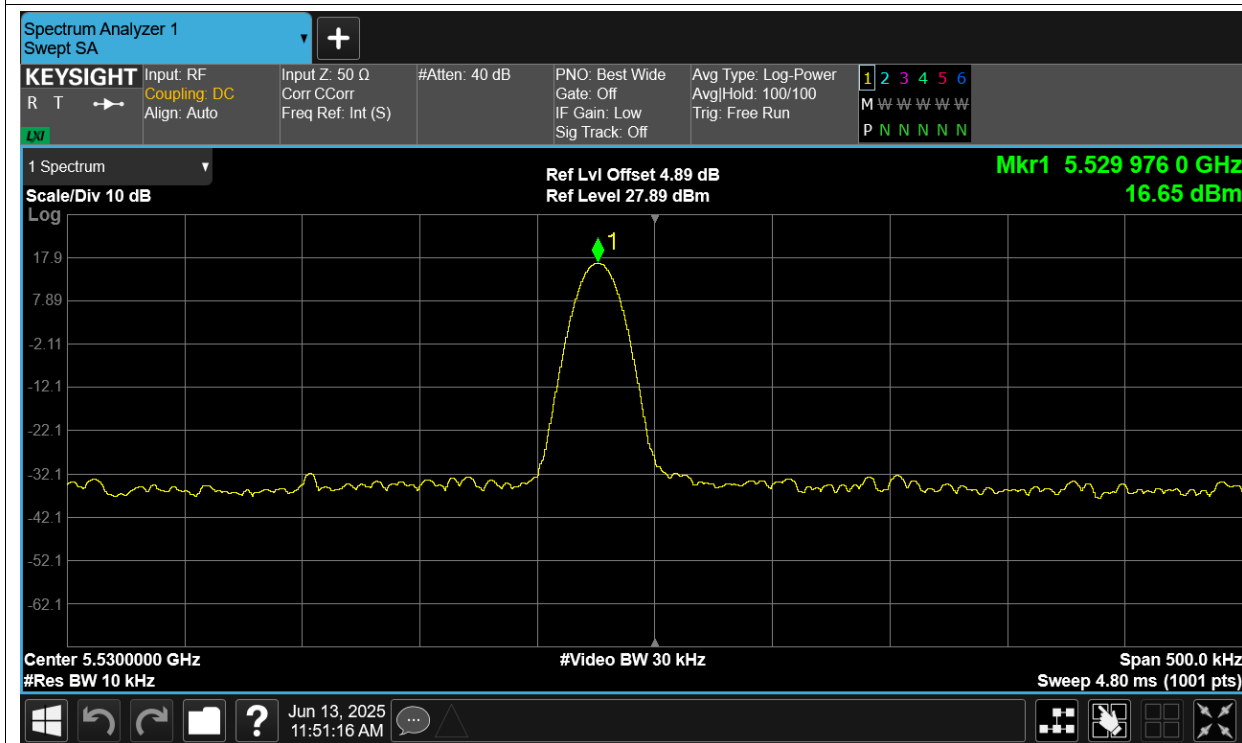
Freq. Stability NVLT a 5500MHz Ant1



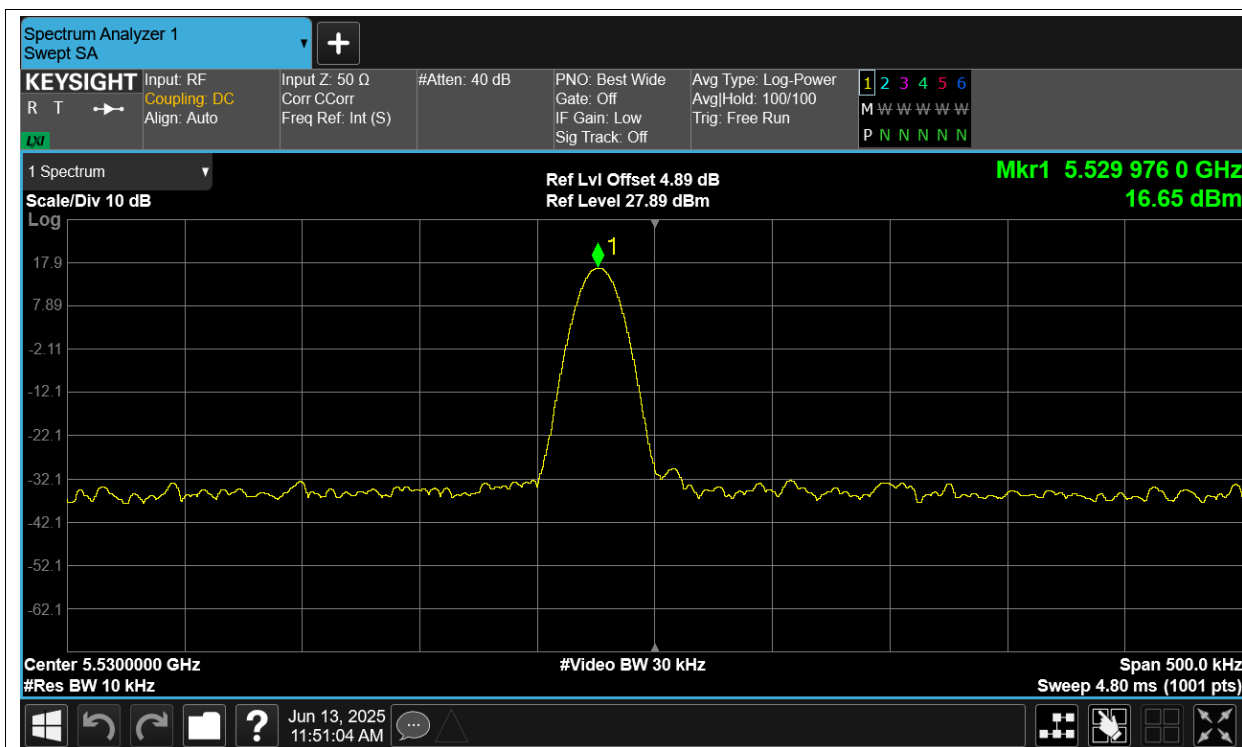
Freq. Stability NVNT a 5500MHz Ant1



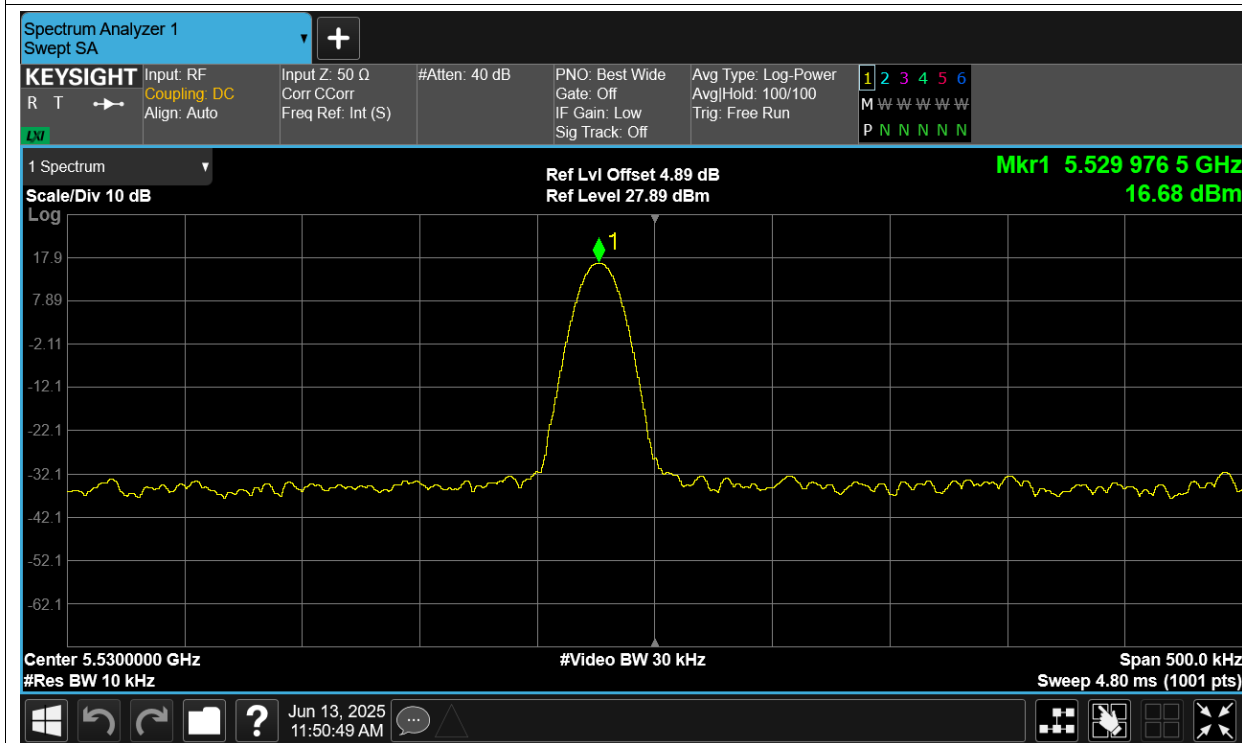
Freq. Stability HVNT ac80 5530MHz Ant1



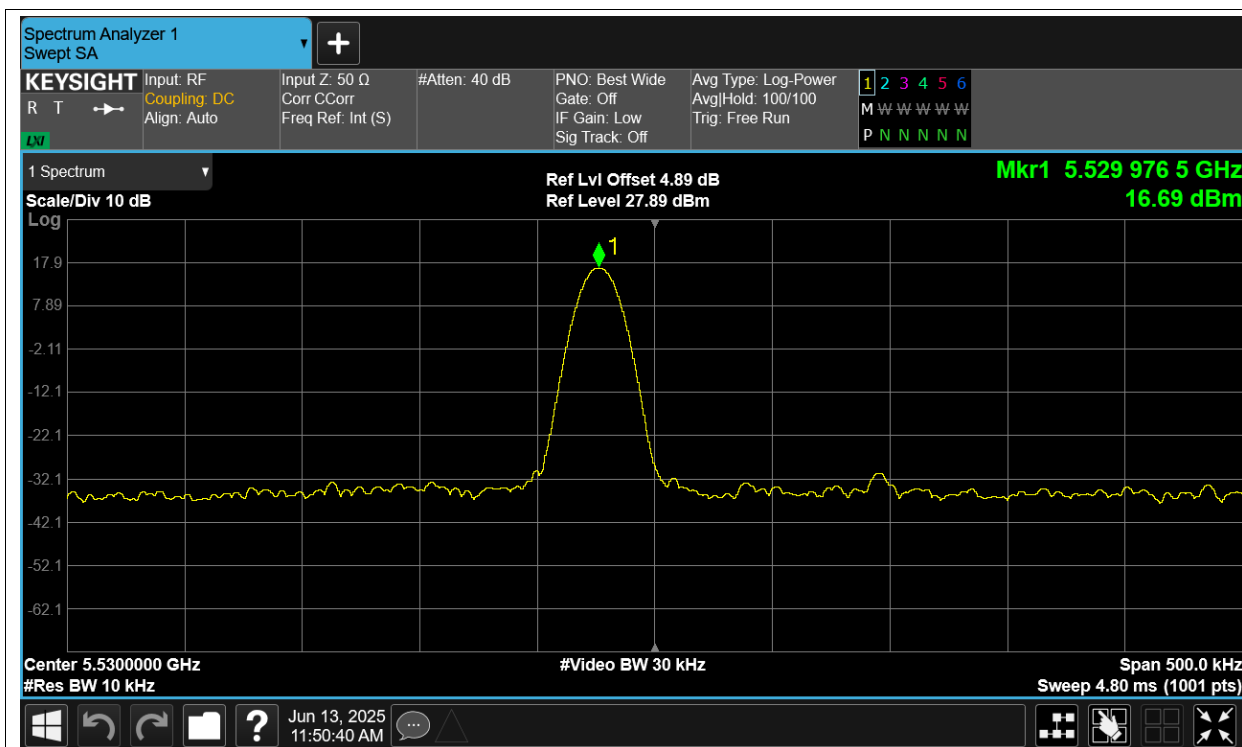
Freq. Stability LVNT ac80 5530MHz Ant1



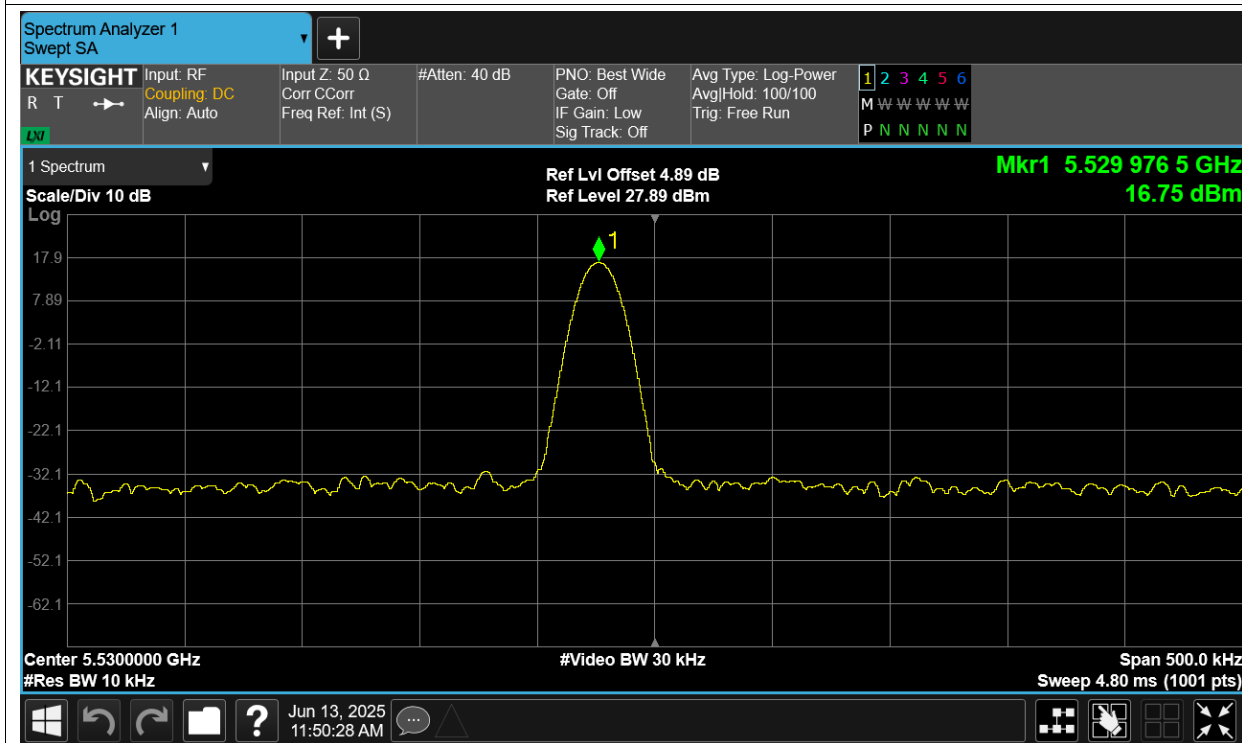
Freq. Stability NVHT ac80 5530MHz Ant1



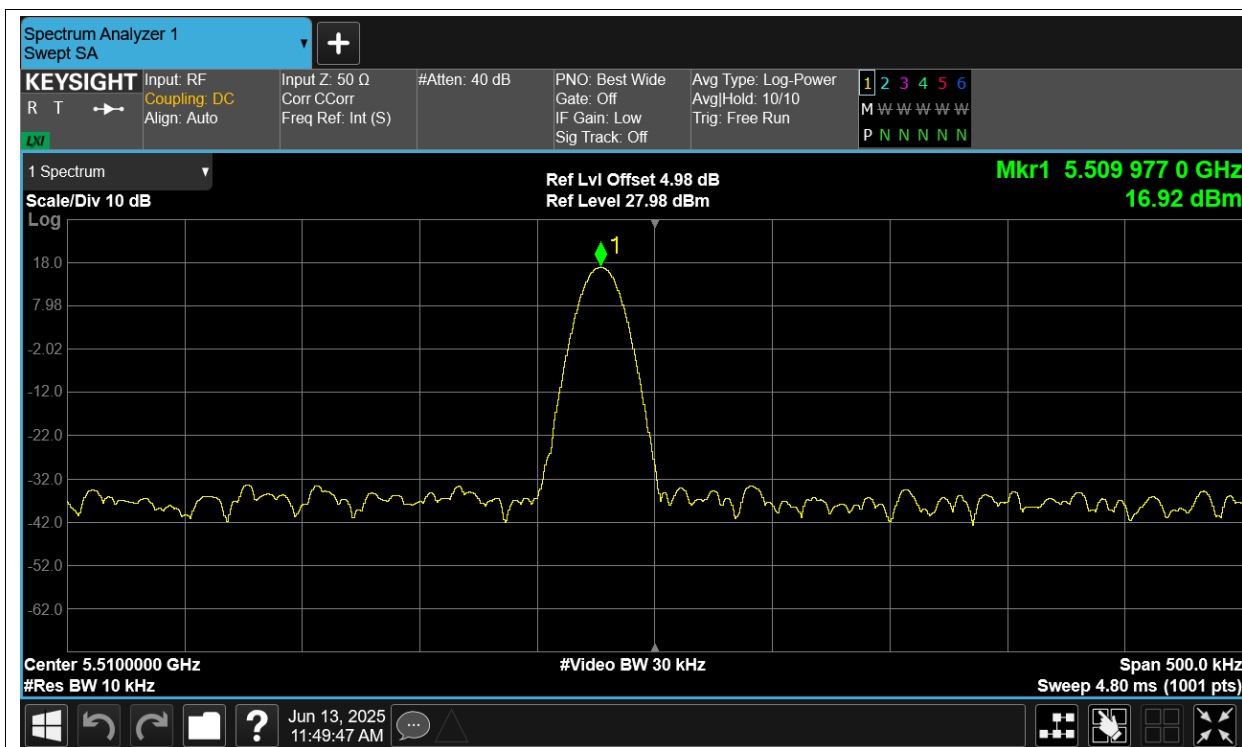
Freq. Stability NVLT ac80 5530MHz Ant1



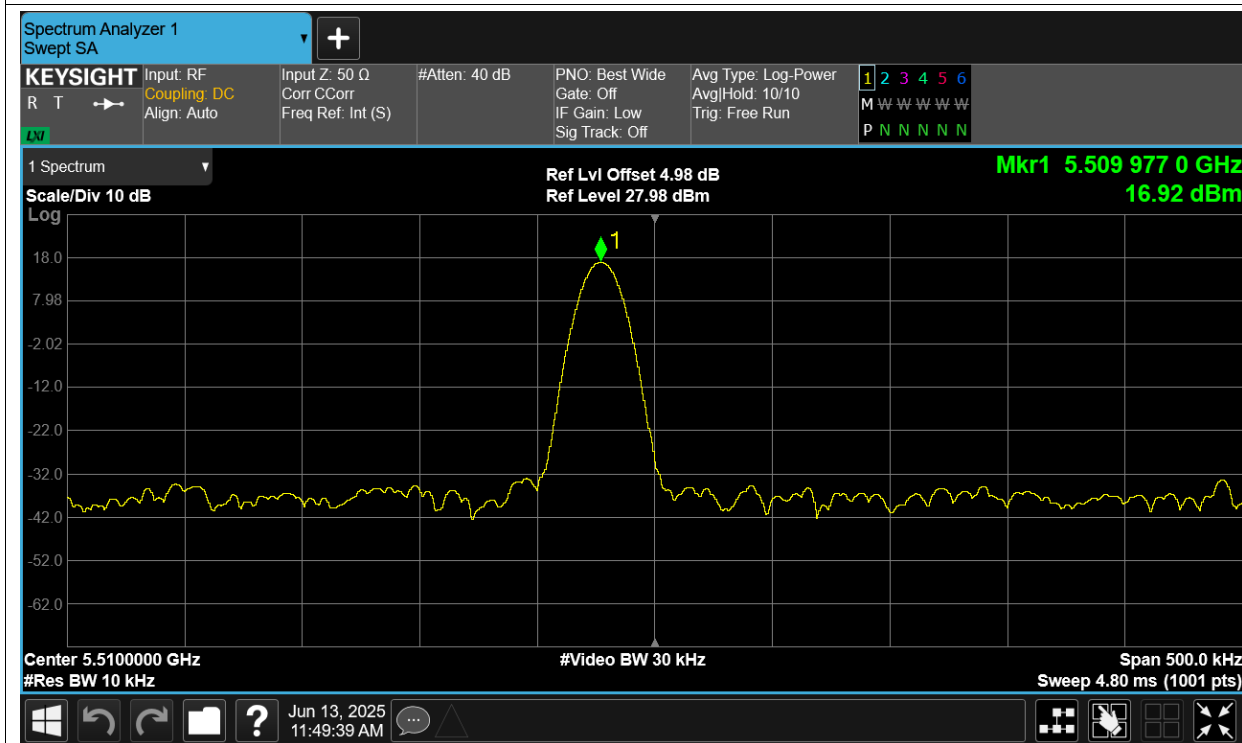
Freq. Stability NVNT ac80 5530MHz Ant1



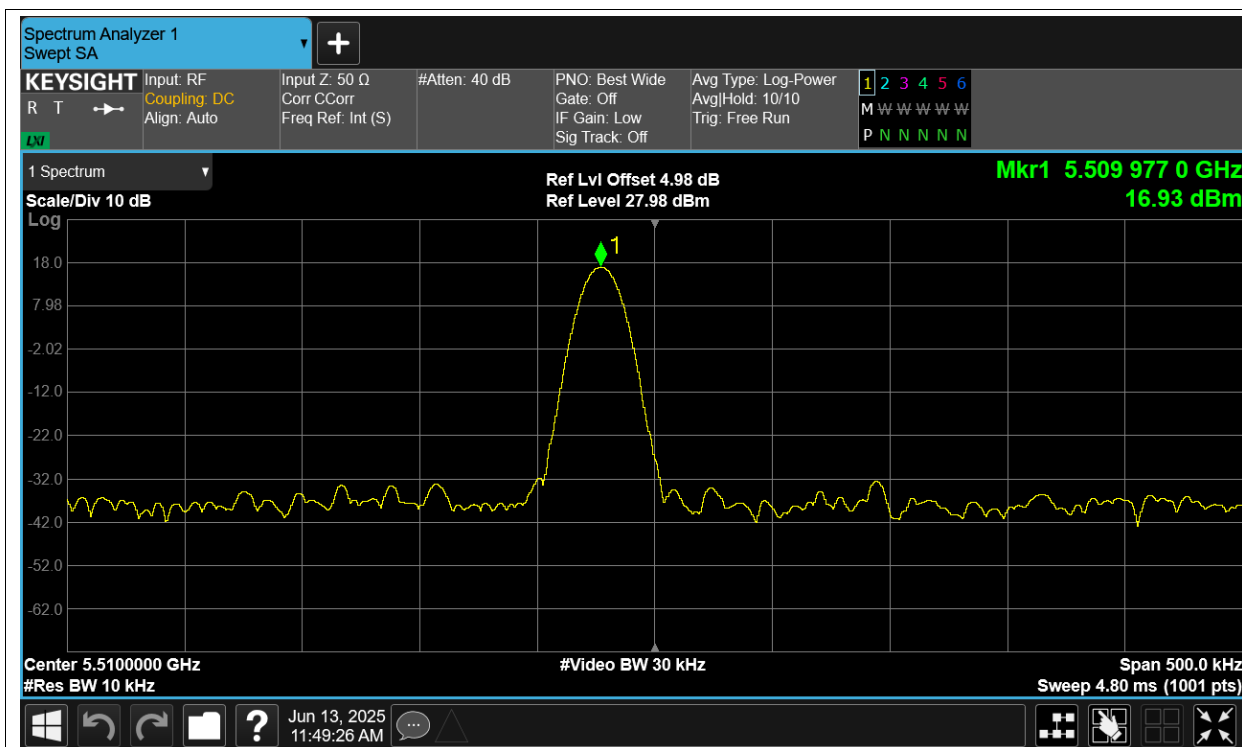
Freq. Stability HVNT n40 5510MHz Ant1



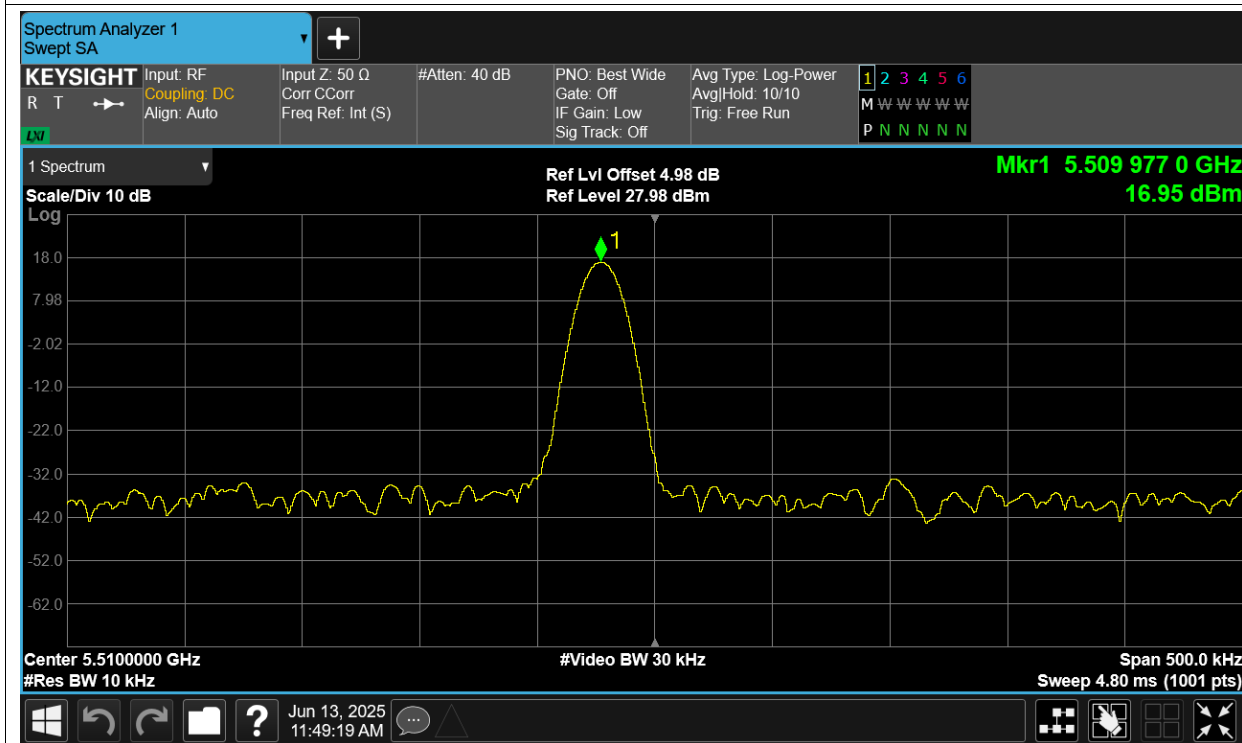
Freq. Stability LVNT n40 5510MHz Ant1



Freq. Stability NVHT n40 5510MHz Ant1

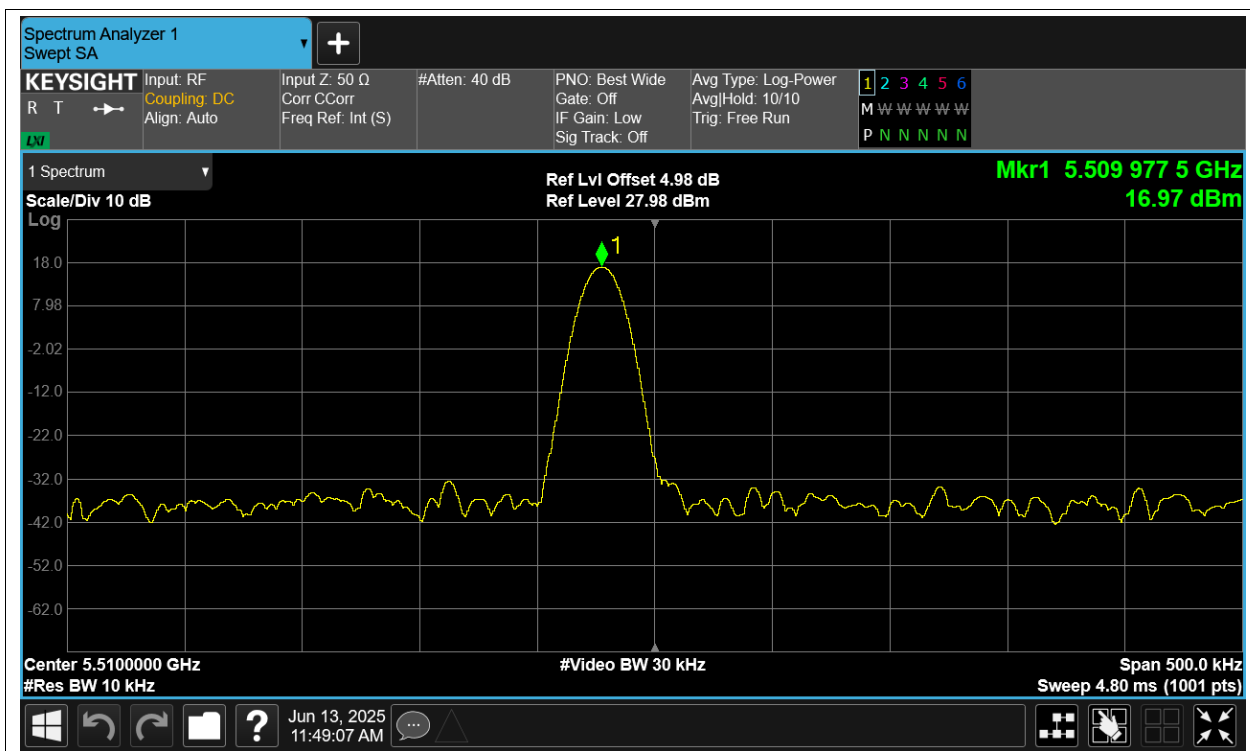


Freq. Stability NVLT n40 5510MHz Ant1



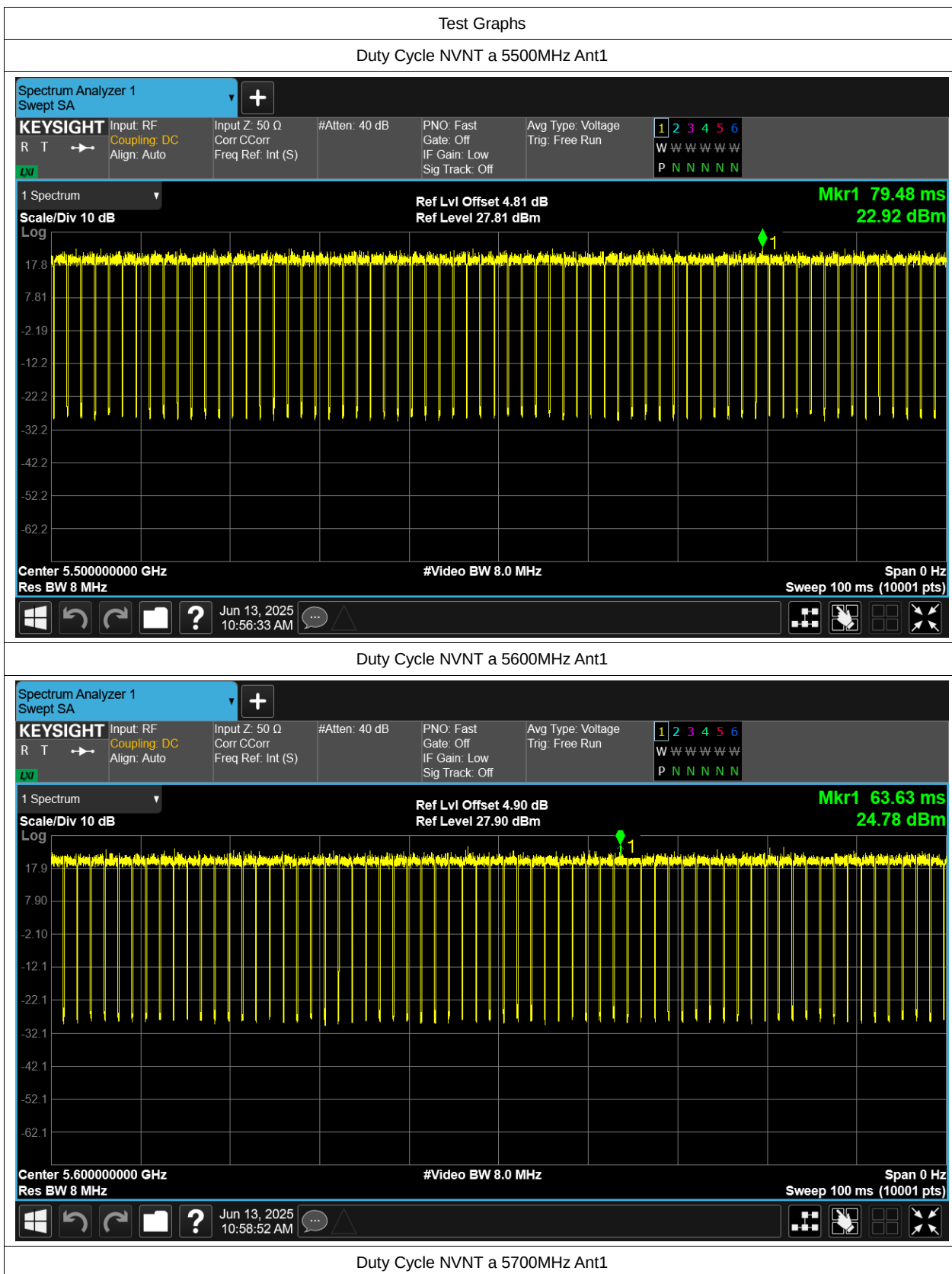
Freq. Stability NVNT n40 5510MHz Ant1

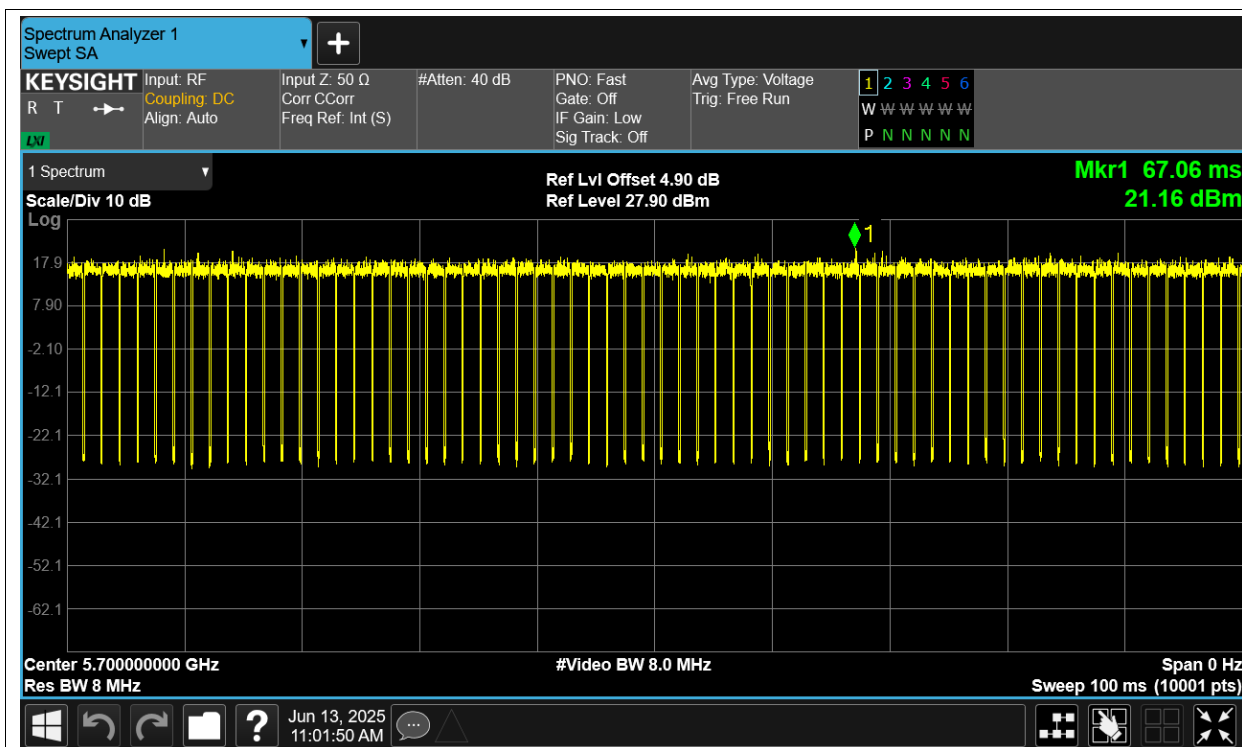




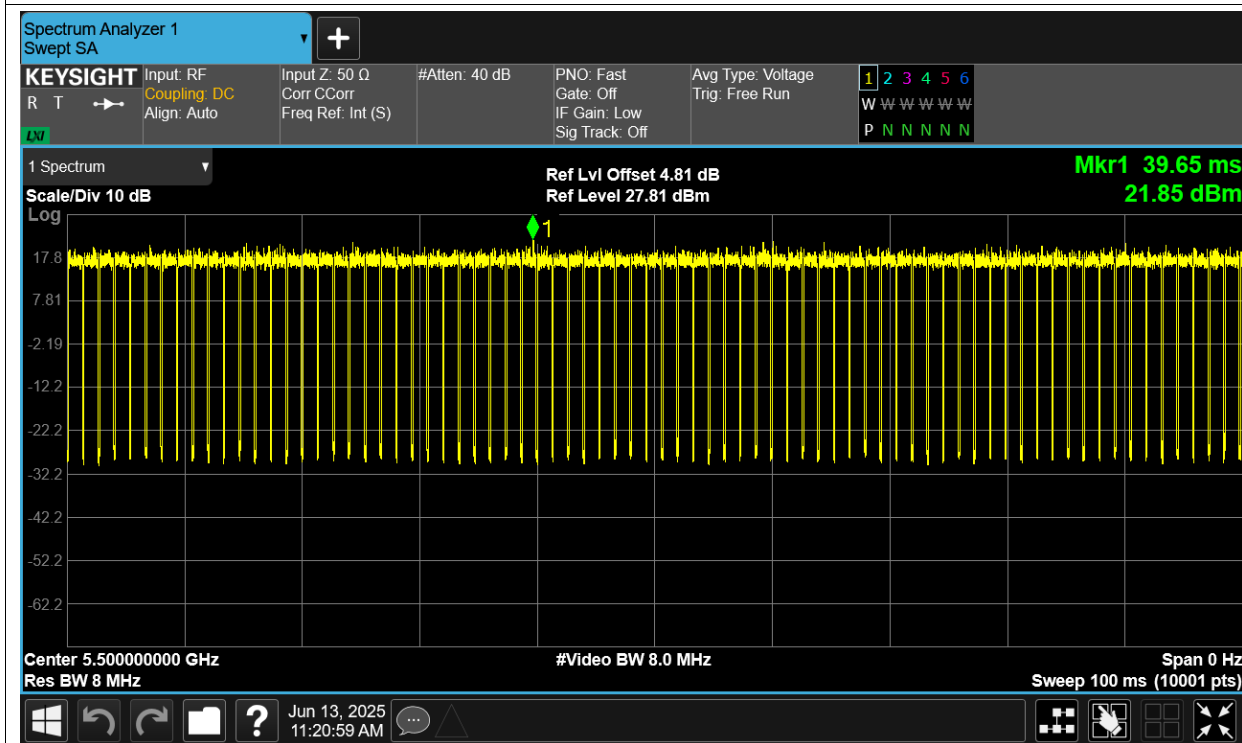
## Duty Cycle

| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) |
|-----------|------|-----------------|---------|----------------|------------------------|
| NVNT      | a    | 5500            | Ant1    | 91.19          | 0.4                    |
| NVNT      | a    | 5600            | Ant1    | 91.31          | 0.39                   |
| NVNT      | a    | 5700            | Ant1    | 91.27          | 0.4                    |
| NVNT      | ac20 | 5500            | Ant1    | 89.8           | 0.47                   |
| NVNT      | ac20 | 5600            | Ant1    | 89.79          | 0.47                   |
| NVNT      | ac20 | 5700            | Ant1    | 89.84          | 0.47                   |
| NVNT      | ac40 | 5510            | Ant1    | 81.75          | 0.88                   |
| NVNT      | ac40 | 5590            | Ant1    | 81.77          | 0.87                   |
| NVNT      | ac40 | 5670            | Ant1    | 81.77          | 0.87                   |
| NVNT      | ac80 | 5530            | Ant1    | 69.39          | 1.59                   |
| NVNT      | ac80 | 5610            | Ant1    | 69.5           | 1.58                   |
| NVNT      | n20  | 5500            | Ant1    | 89.81          | 0.47                   |
| NVNT      | n20  | 5600            | Ant1    | 89.89          | 0.46                   |
| NVNT      | n20  | 5700            | Ant1    | 89.78          | 0.47                   |
| NVNT      | n40  | 5510            | Ant1    | 81.56          | 0.89                   |
| NVNT      | n40  | 5590            | Ant1    | 81.66          | 0.88                   |
| NVNT      | n40  | 5670            | Ant1    | 81.6           | 0.88                   |

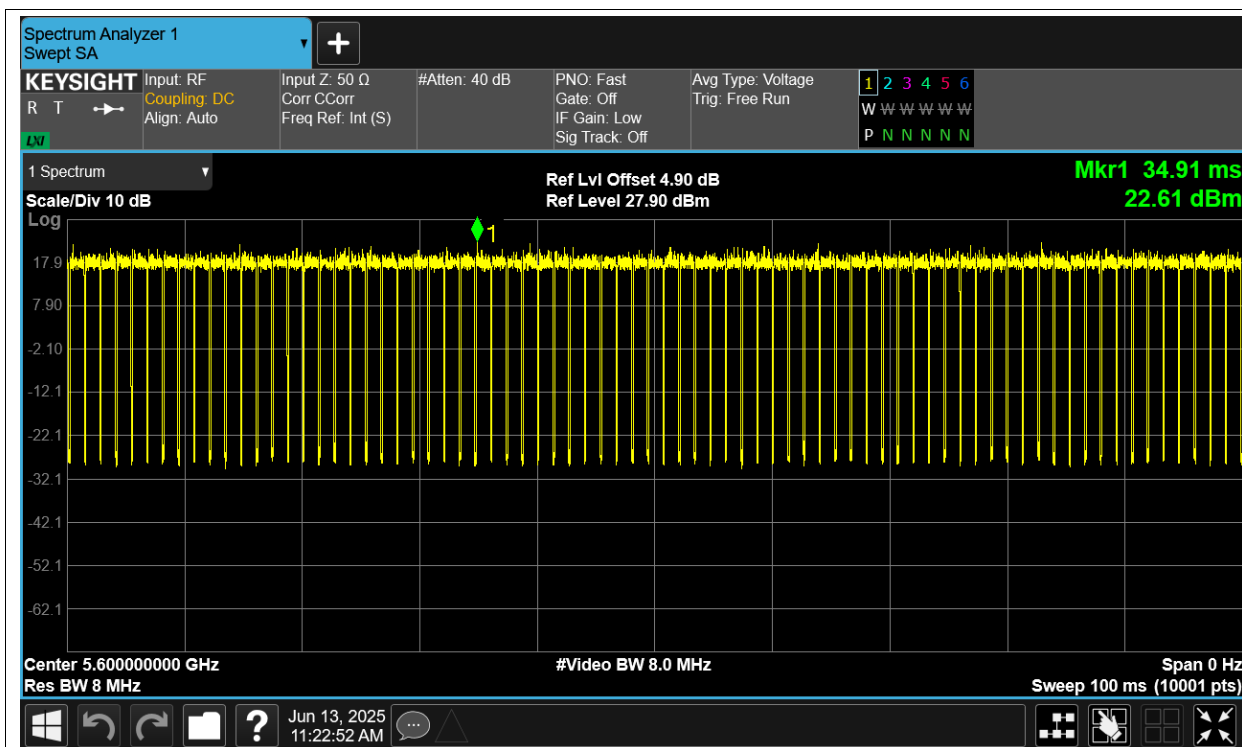




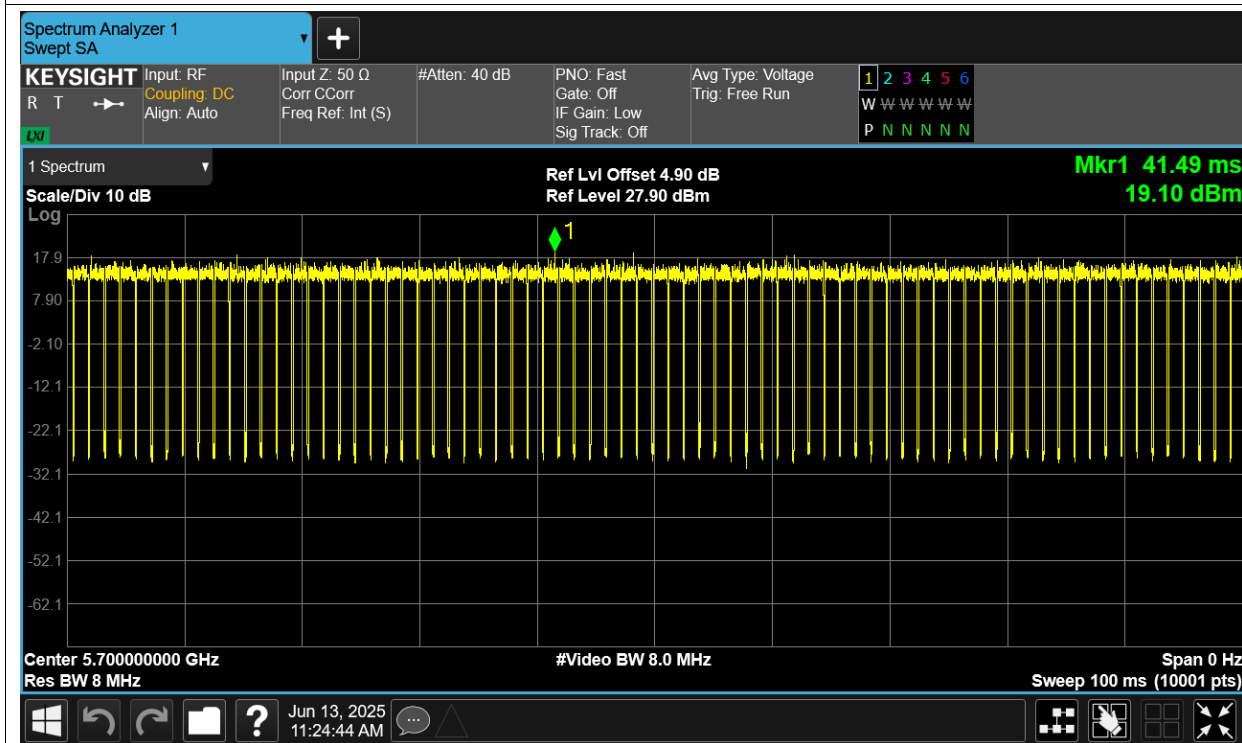
Duty Cycle NVNT ac20 5500MHz Ant1



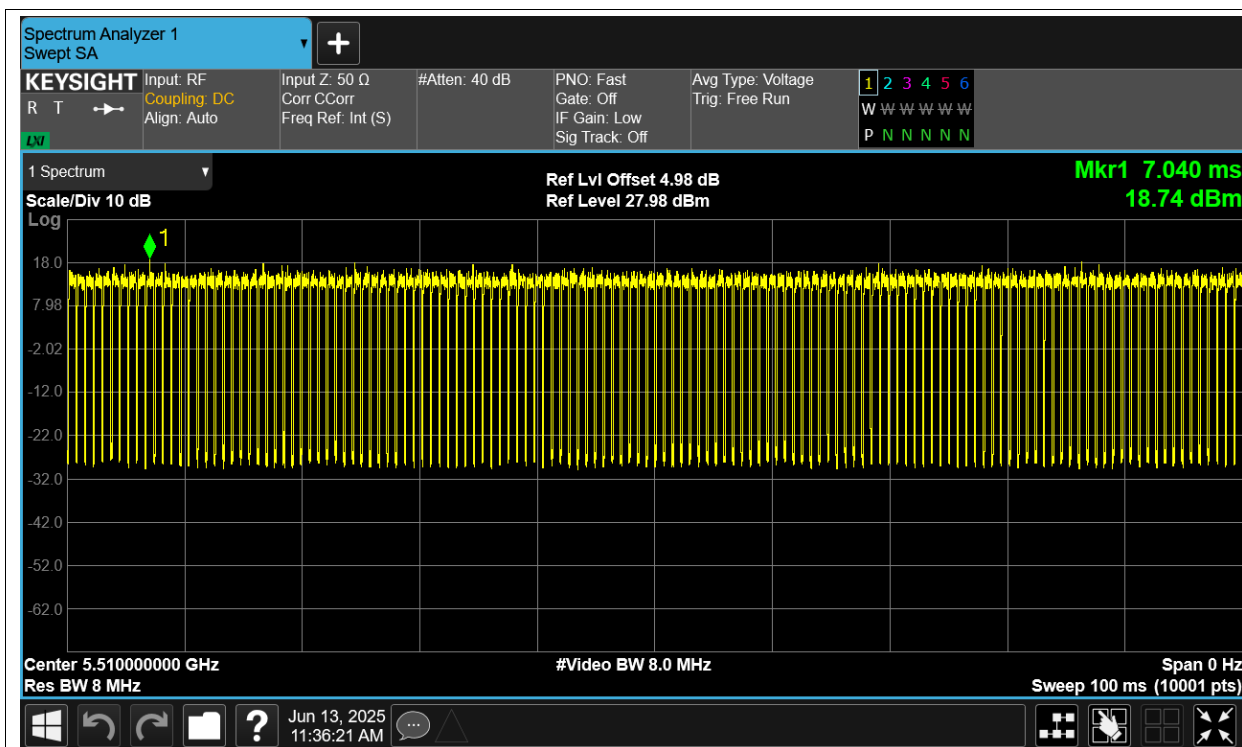
Duty Cycle NVNT ac20 5600MHz Ant1



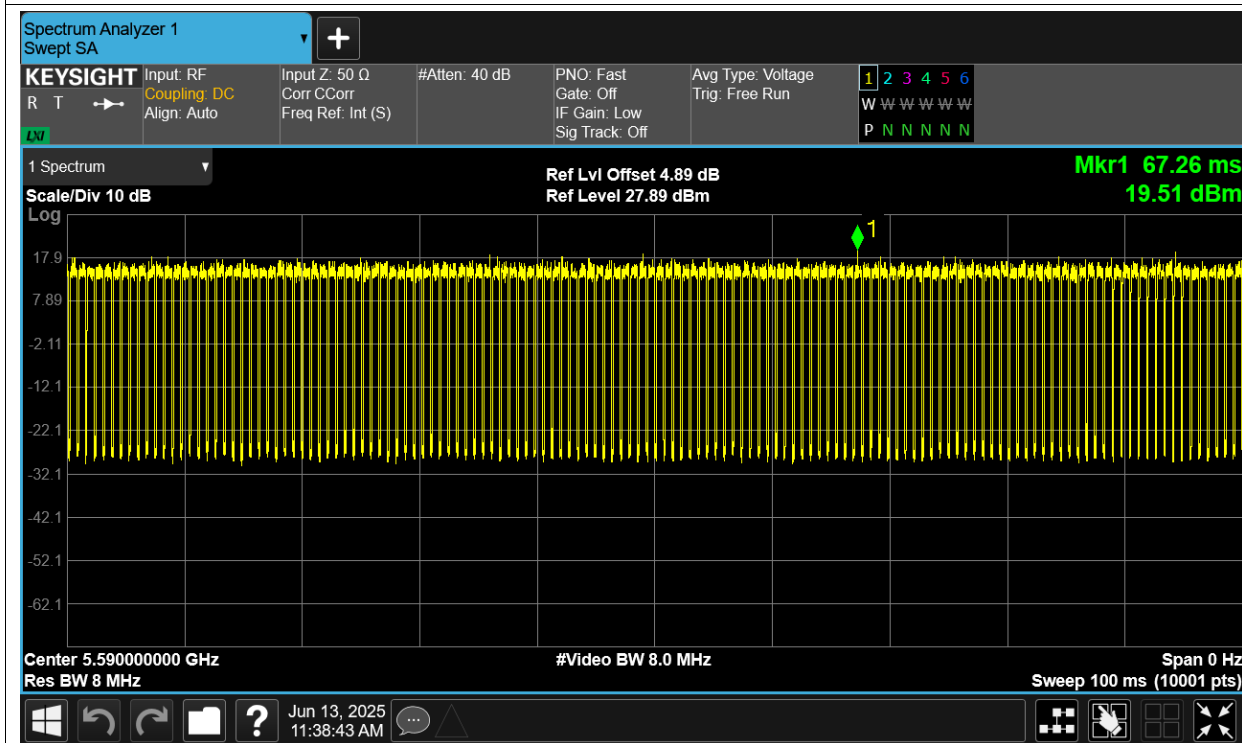
Duty Cycle NVNT ac20 5700MHz Ant1



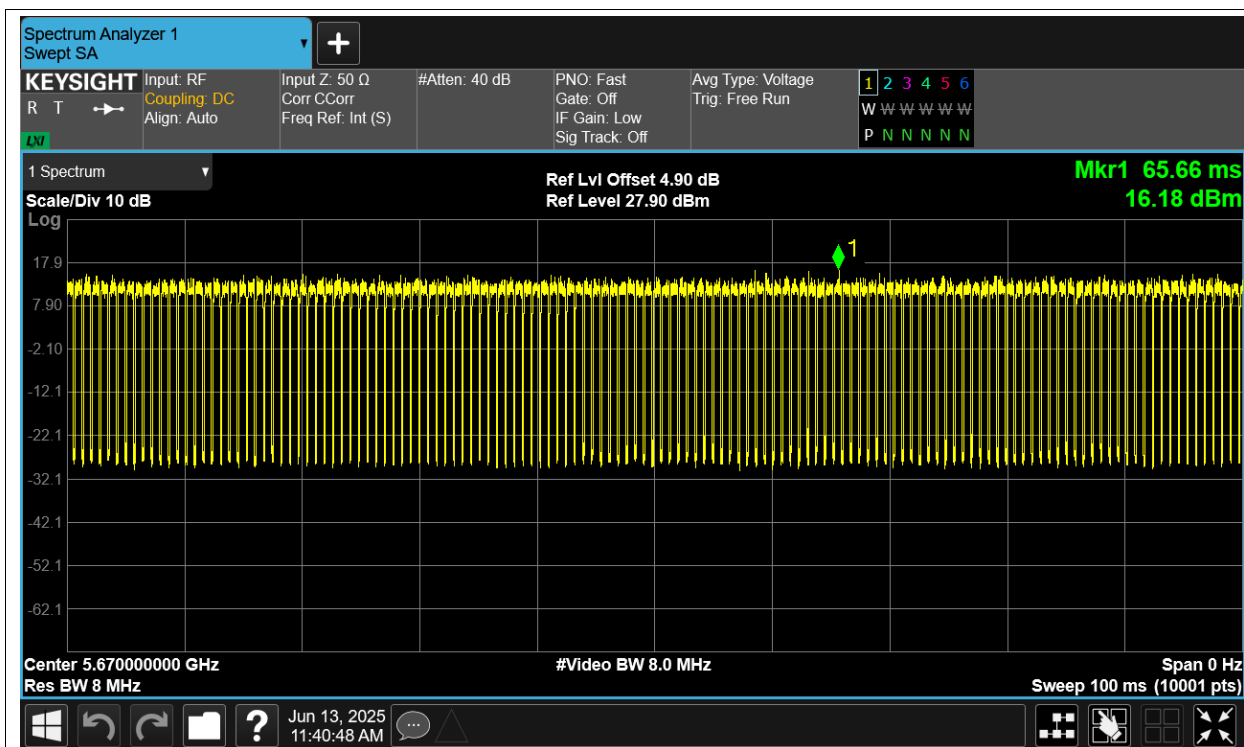
Duty Cycle NVNT ac40 5510MHz Ant1



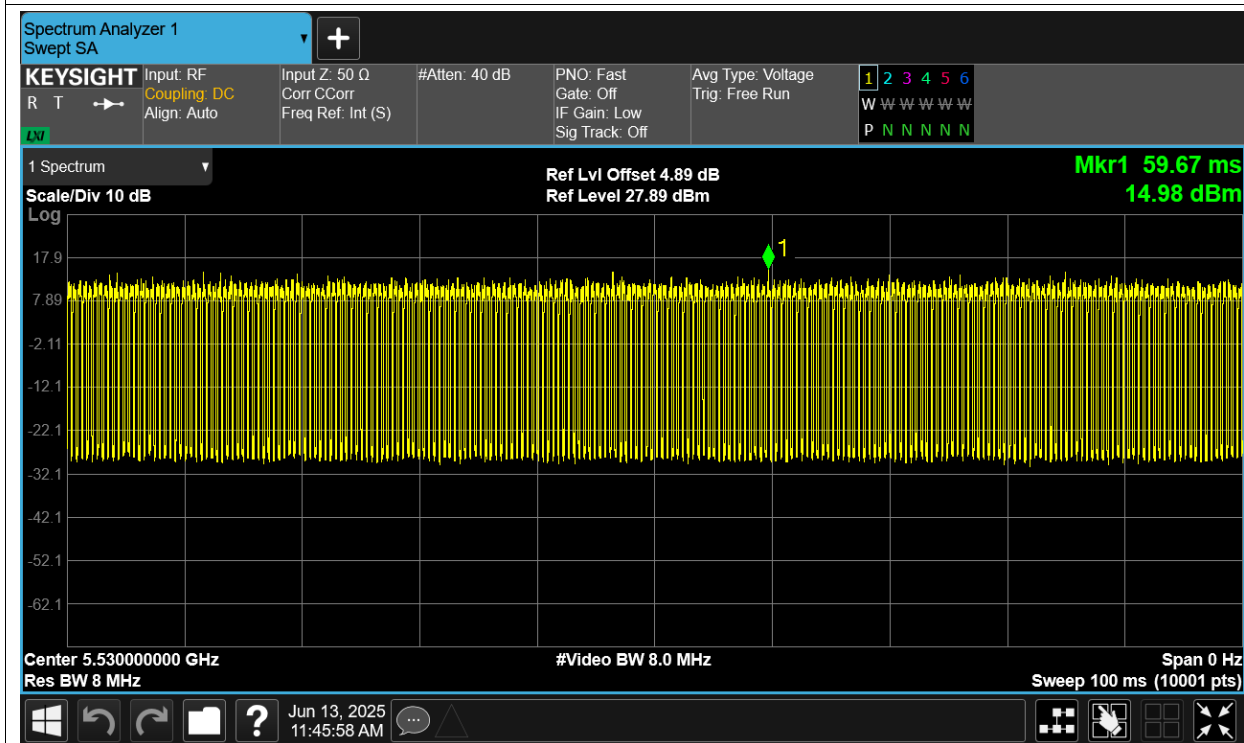
Duty Cycle NVNT ac40 5590MHz Ant1



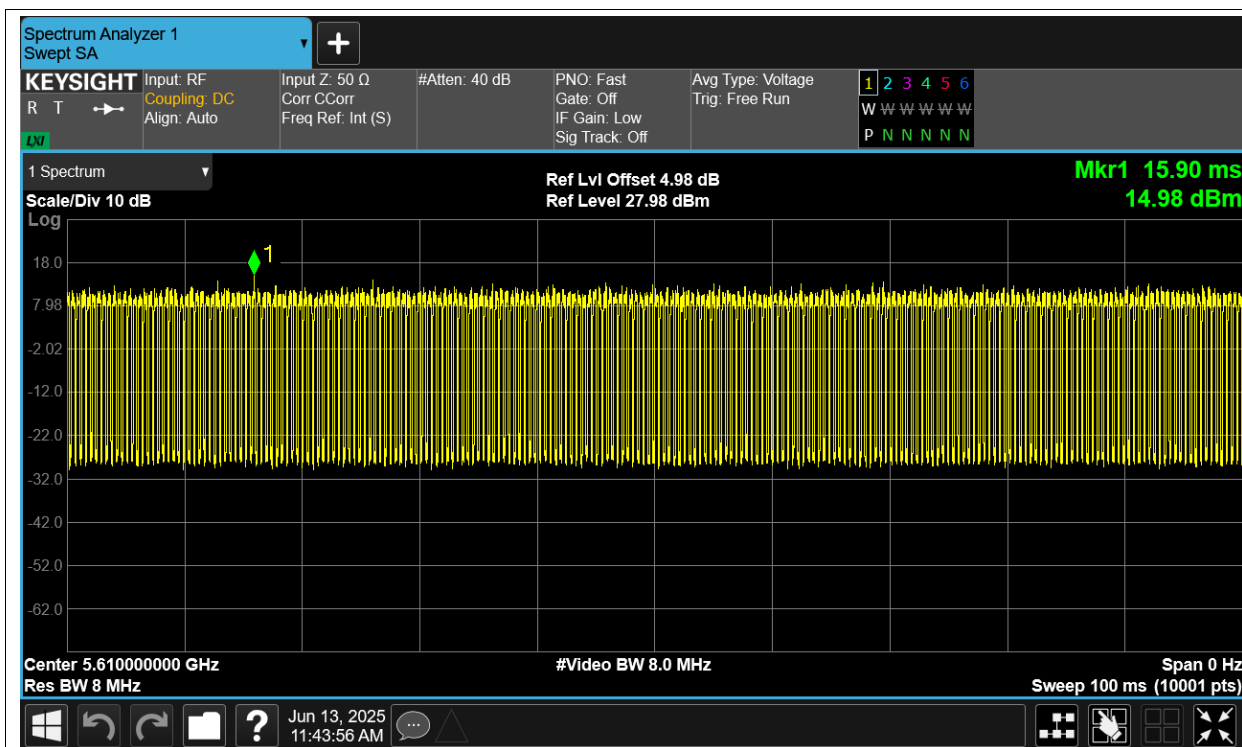
Duty Cycle NVNT ac40 5670MHz Ant1



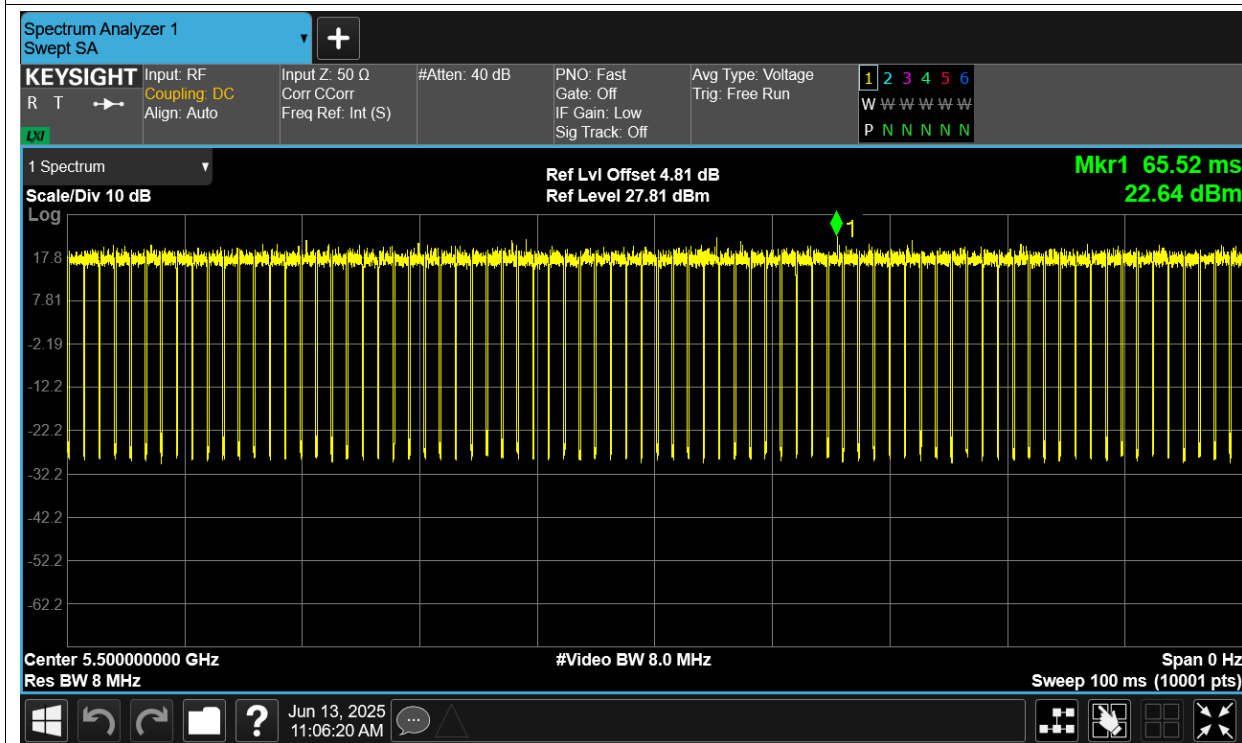
Duty Cycle NVNT ac80 5530MHz Ant1



Duty Cycle NVNT ac80 5610MHz Ant1

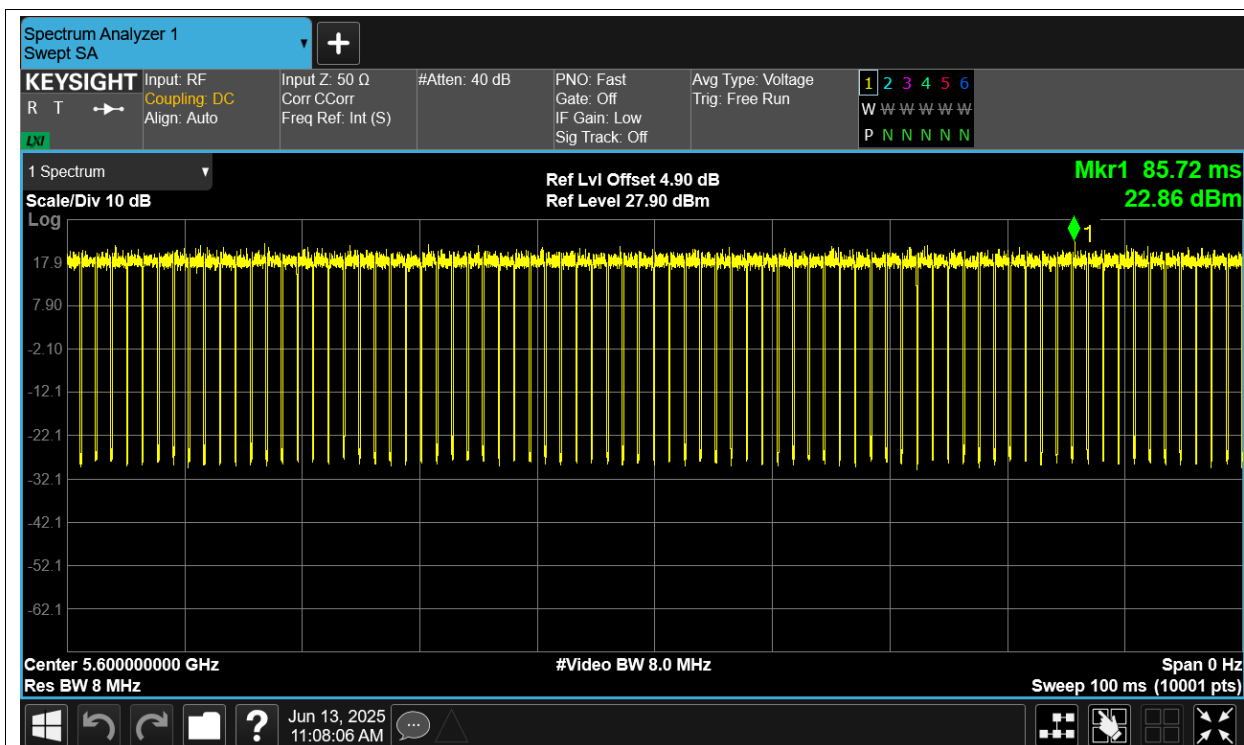


Duty Cycle NVNT n20 5500MHz Ant1

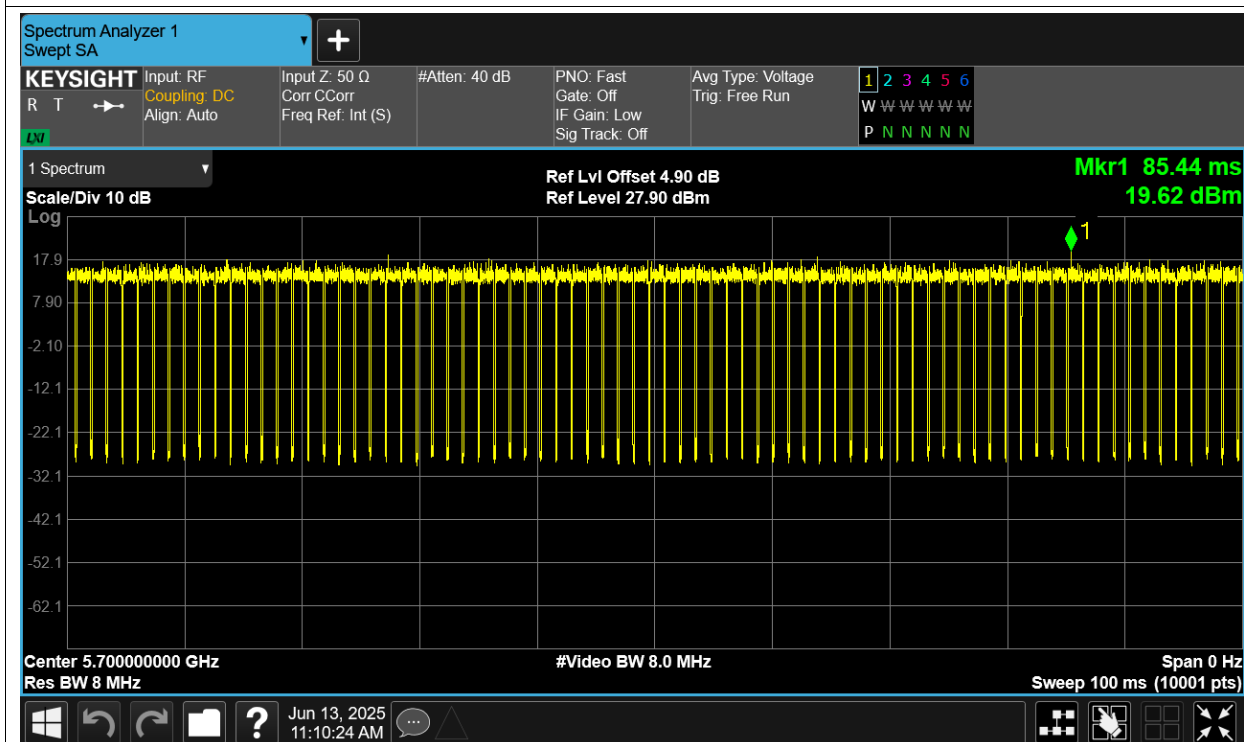


Duty Cycle NVNT n20 5600MHz Ant1

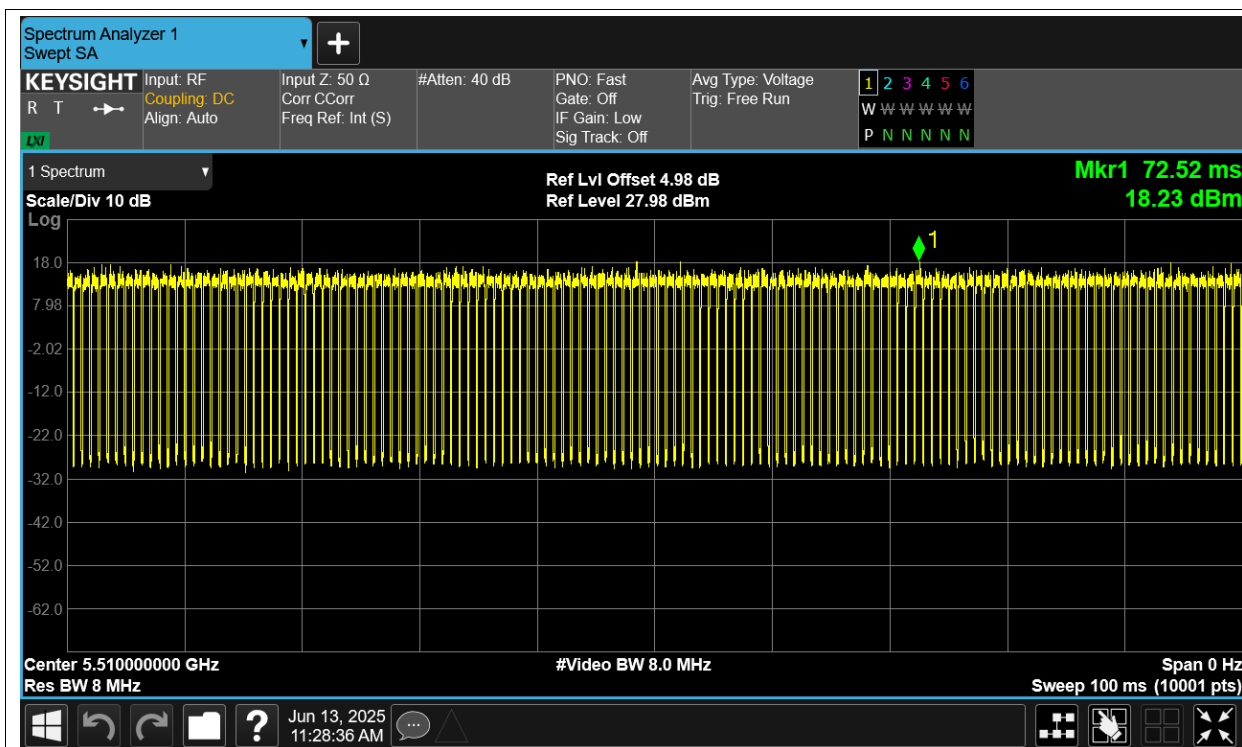




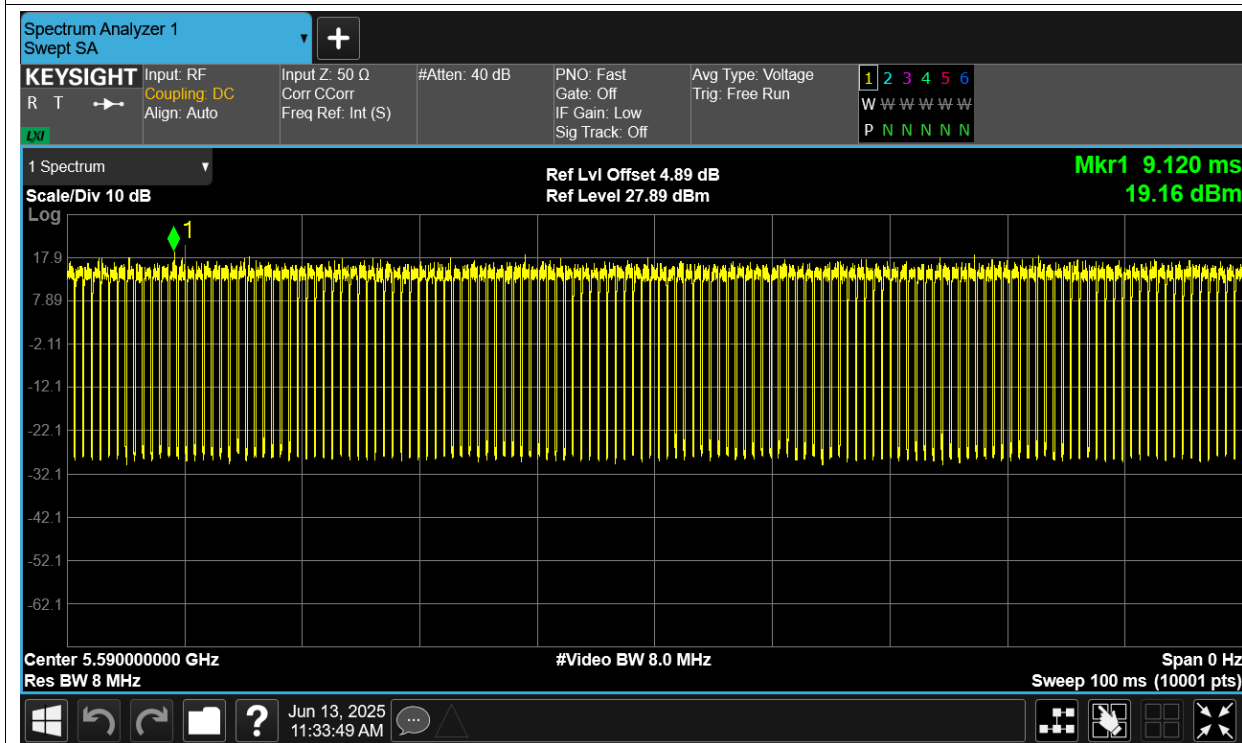
Duty Cycle NVNT n20 5700MHz Ant1



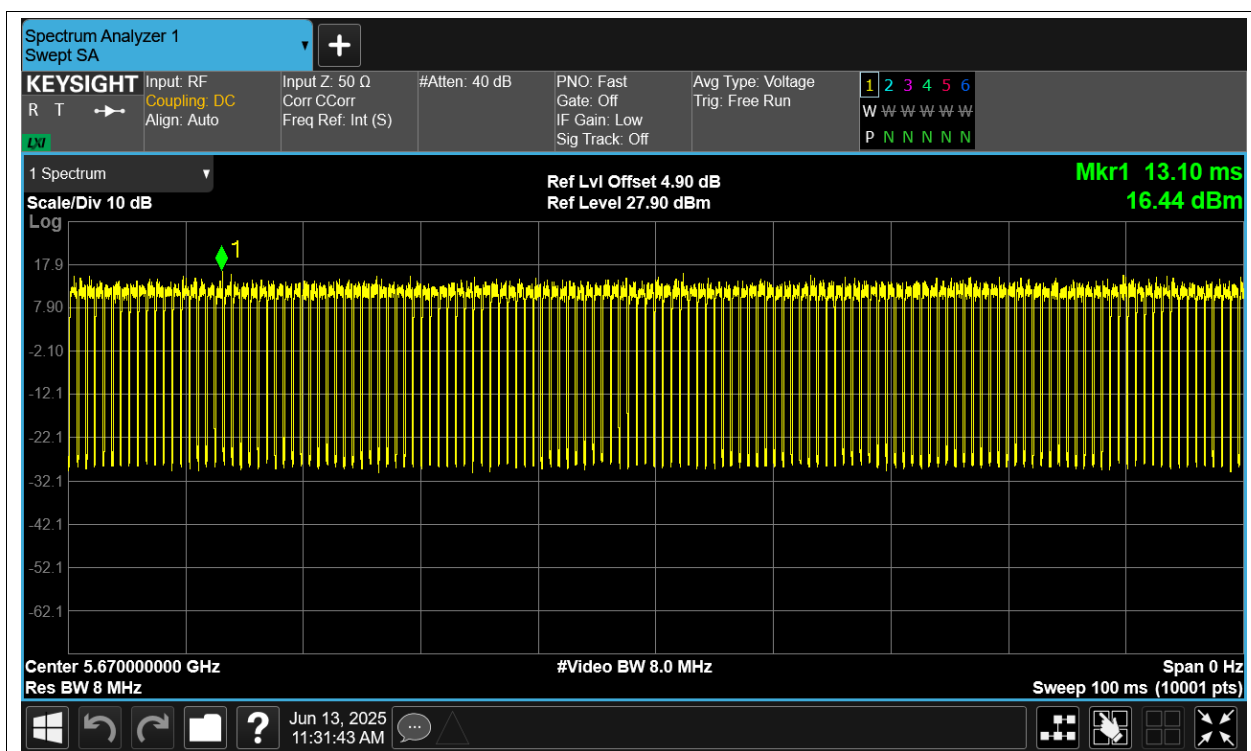
Duty Cycle NVNT n40 5510MHz Ant1



Duty Cycle NVNT n40 5590MHz Ant1



Duty Cycle NVNT n40 5670MHz Ant1

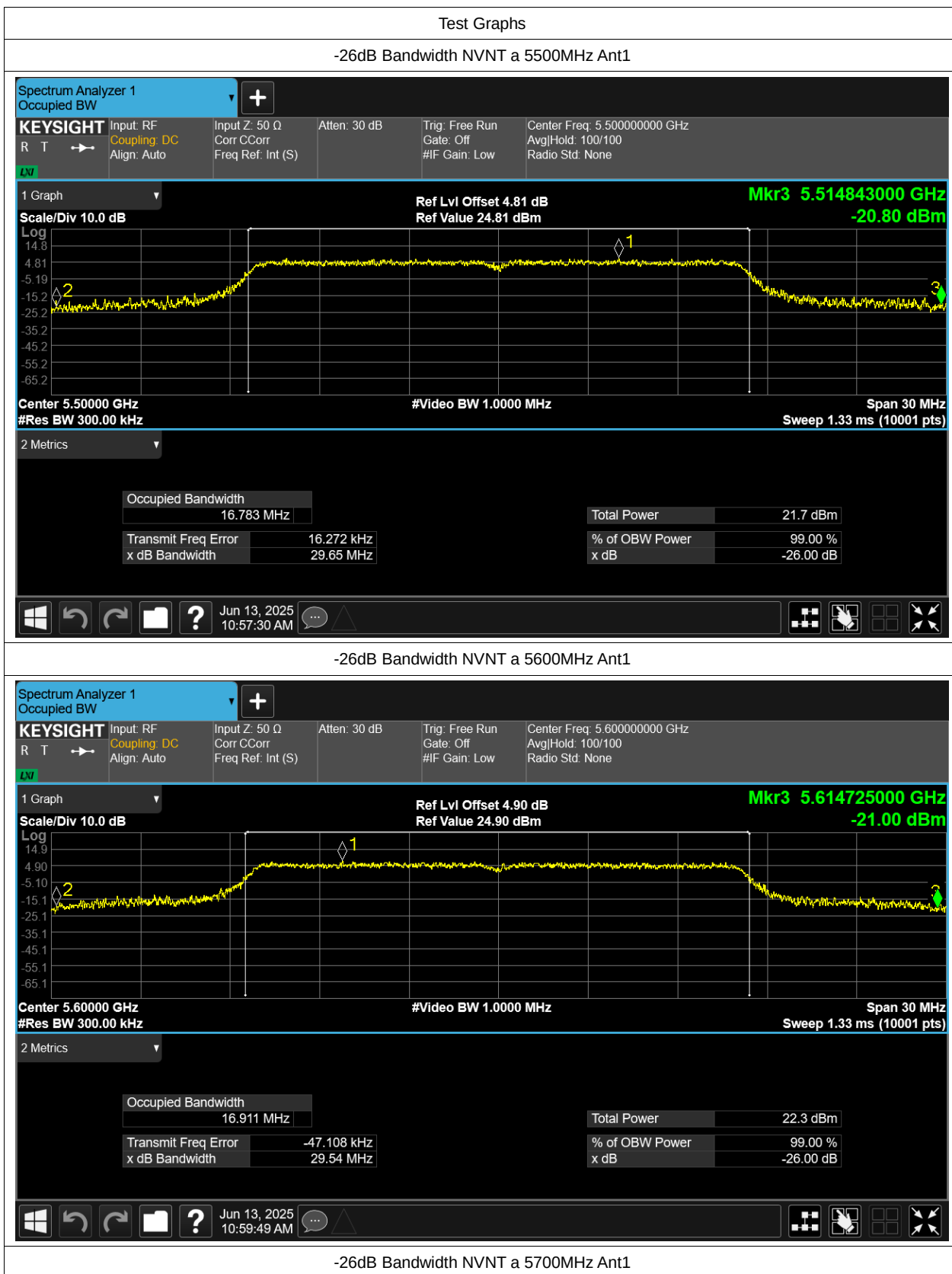


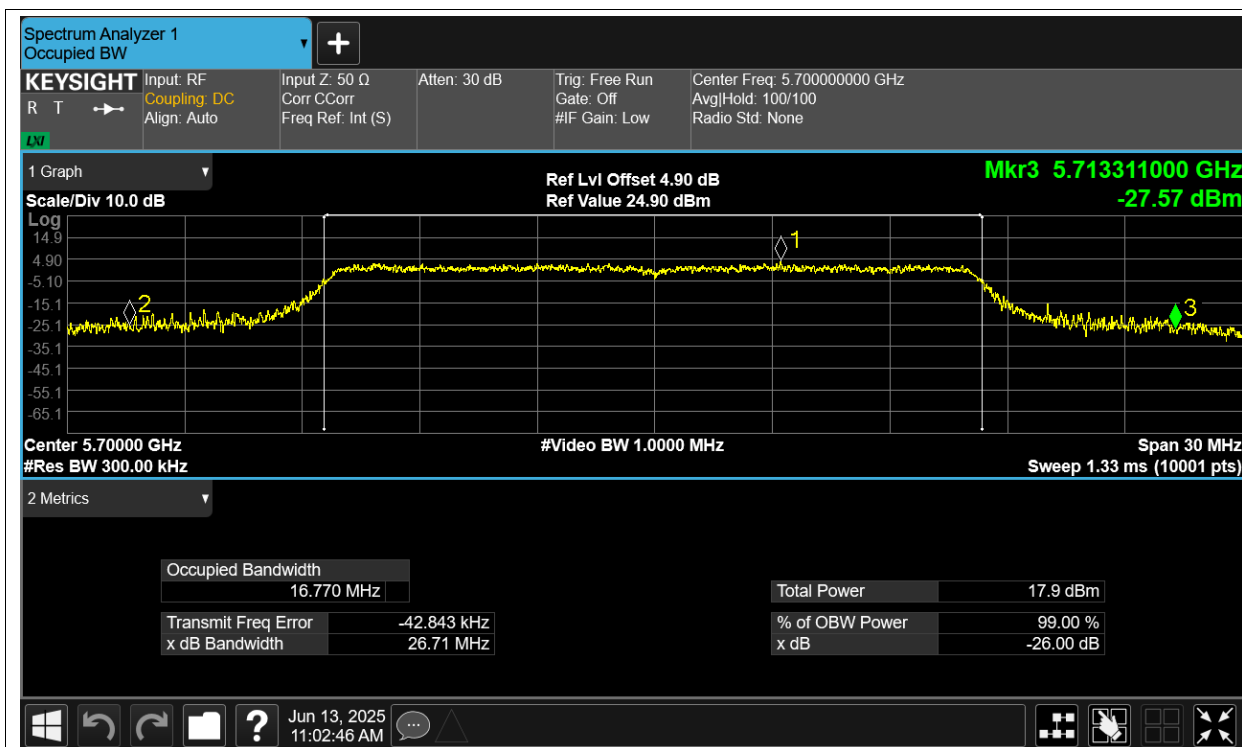
## Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT      | a    | 5500            | Ant1    | 15.67                 | 0.4              | 16.07             | 24          | Pass    |
| NVNT      | a    | 5600            | Ant1    | 16.19                 | 0.39             | 16.58             | 24          | Pass    |
| NVNT      | a    | 5700            | Ant1    | 12.96                 | 0.4              | 13.36             | 24          | Pass    |
| NVNT      | ac20 | 5500            | Ant1    | 13.77                 | 0.47             | 14.24             | 24          | Pass    |
| NVNT      | ac20 | 5600            | Ant1    | 14.22                 | 0.47             | 14.69             | 24          | Pass    |
| NVNT      | ac20 | 5700            | Ant1    | 11.27                 | 0.47             | 11.74             | 24          | Pass    |
| NVNT      | ac40 | 5510            | Ant1    | 13.03                 | 0.88             | 13.91             | 24          | Pass    |
| NVNT      | ac40 | 5590            | Ant1    | 13.96                 | 0.87             | 14.83             | 24          | Pass    |
| NVNT      | ac40 | 5670            | Ant1    | 11.01                 | 0.87             | 11.88             | 24          | Pass    |
| NVNT      | ac80 | 5530            | Ant1    | 13.42                 | 1.59             | 15.01             | 24          | Pass    |
| NVNT      | ac80 | 5610            | Ant1    | 12.55                 | 1.58             | 14.13             | 24          | Pass    |
| NVNT      | n20  | 5500            | Ant1    | 13.92                 | 0.47             | 14.39             | 24          | Pass    |
| NVNT      | n20  | 5600            | Ant1    | 14.31                 | 0.46             | 14.77             | 24          | Pass    |
| NVNT      | n20  | 5700            | Ant1    | 11.28                 | 0.47             | 11.75             | 24          | Pass    |
| NVNT      | n40  | 5510            | Ant1    | 12.99                 | 0.89             | 13.88             | 24          | Pass    |
| NVNT      | n40  | 5590            | Ant1    | 13.63                 | 0.88             | 14.51             | 24          | Pass    |
| NVNT      | n40  | 5670            | Ant1    | 11.04                 | 0.88             | 11.92             | 24          | Pass    |

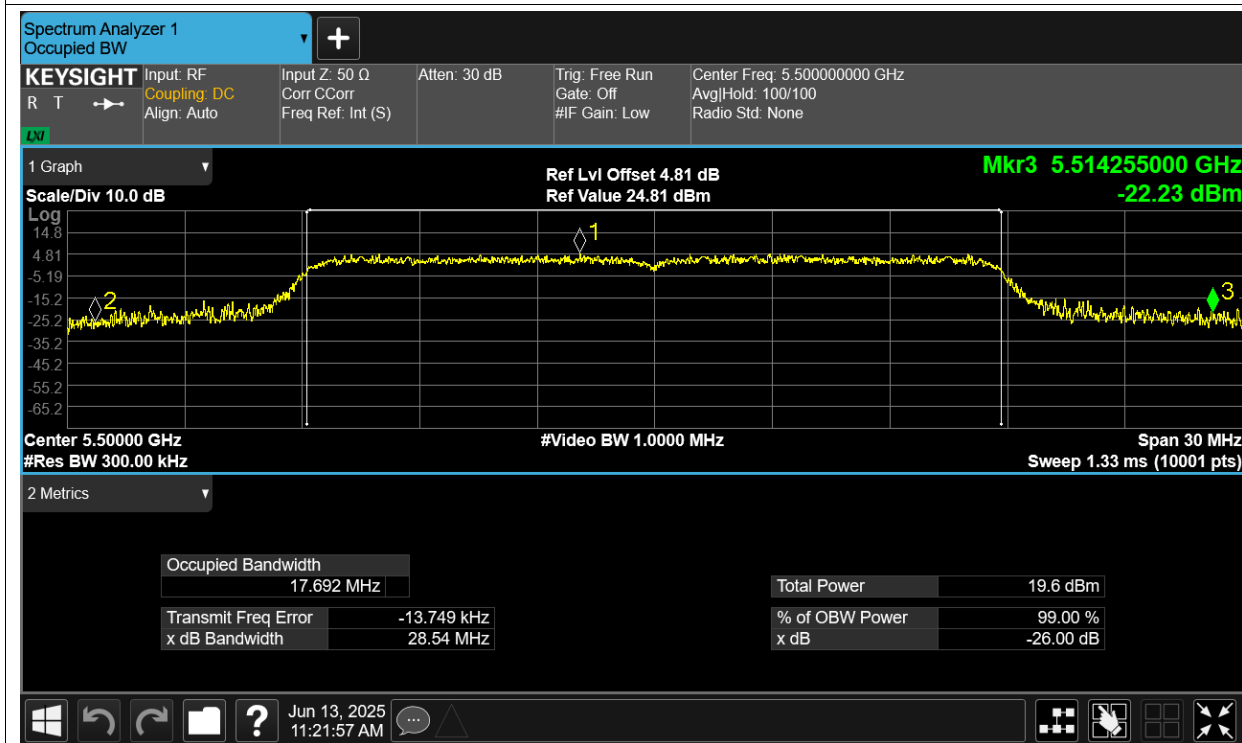
## -26dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) |
|-----------|------|-----------------|---------|------------------------|
| NVNT      | a    | 5500            | Ant1    | 29.653                 |
| NVNT      | a    | 5600            | Ant1    | 29.544                 |
| NVNT      | a    | 5700            | Ant1    | 26.707                 |
| NVNT      | ac20 | 5500            | Ant1    | 28.537                 |
| NVNT      | ac20 | 5600            | Ant1    | 27.531                 |
| NVNT      | ac20 | 5700            | Ant1    | 27.222                 |
| NVNT      | ac40 | 5510            | Ant1    | 53.996                 |
| NVNT      | ac40 | 5590            | Ant1    | 53.541                 |
| NVNT      | ac40 | 5670            | Ant1    | 51.983                 |
| NVNT      | ac80 | 5530            | Ant1    | 80.578                 |
| NVNT      | ac80 | 5610            | Ant1    | 96.738                 |
| NVNT      | n20  | 5500            | Ant1    | 28.697                 |
| NVNT      | n20  | 5600            | Ant1    | 29.368                 |
| NVNT      | n20  | 5700            | Ant1    | 28.969                 |
| NVNT      | n40  | 5510            | Ant1    | 49.911                 |
| NVNT      | n40  | 5590            | Ant1    | 50.143                 |
| NVNT      | n40  | 5670            | Ant1    | 49.162                 |

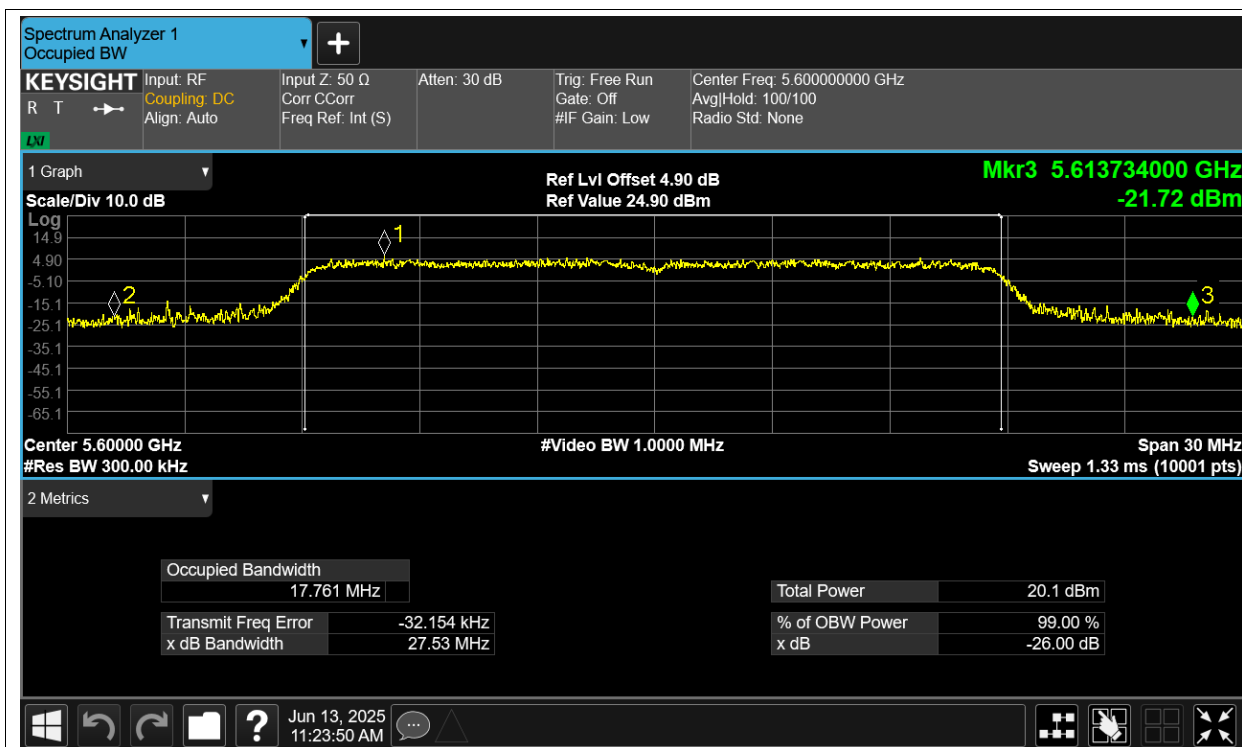




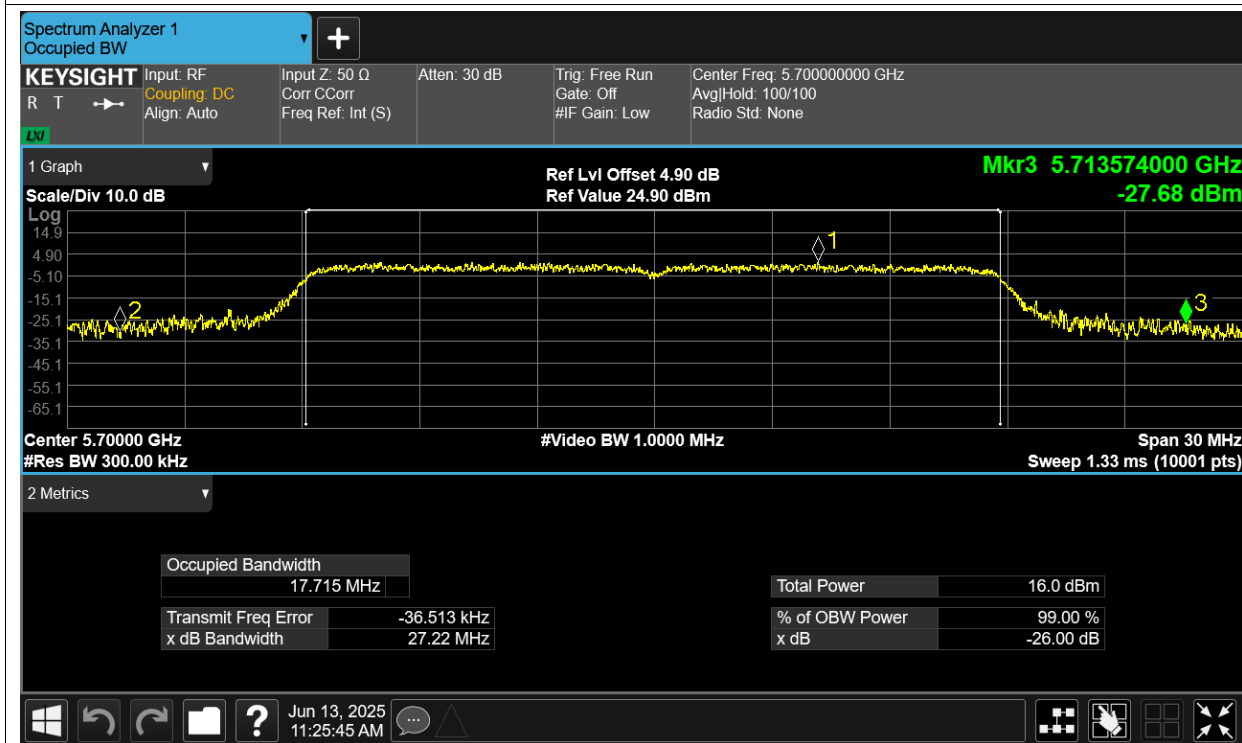
-26dB Bandwidth NVNT ac20 5500MHz Ant1



-26dB Bandwidth NVNT ac20 5600MHz Ant1

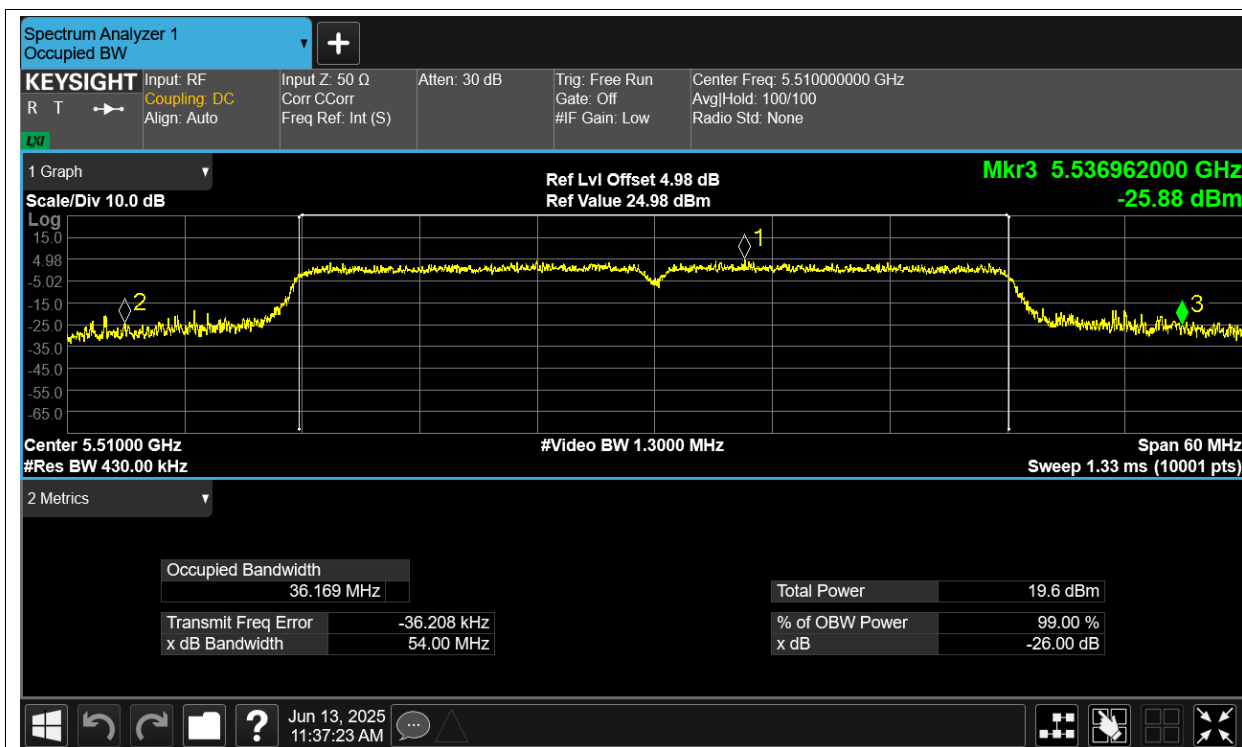


-26dB Bandwidth NVNT ac20 5700MHz Ant1

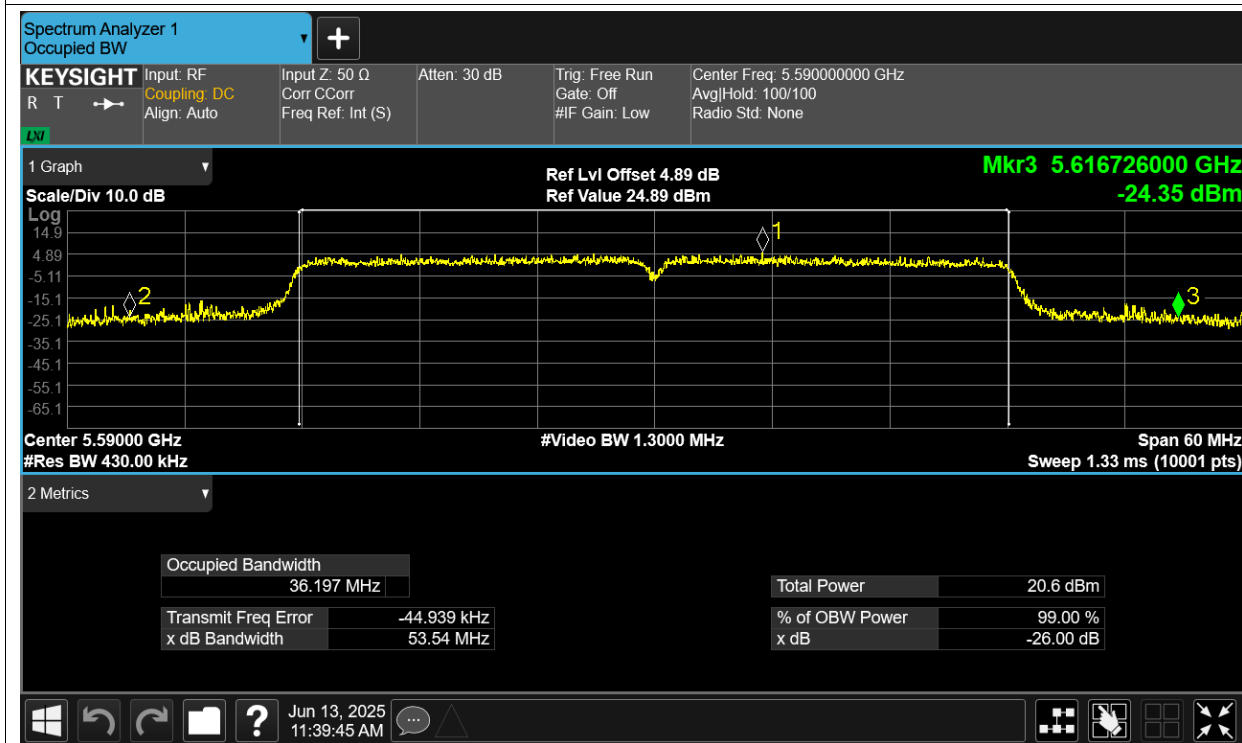


-26dB Bandwidth NVNT ac40 5510MHz Ant1

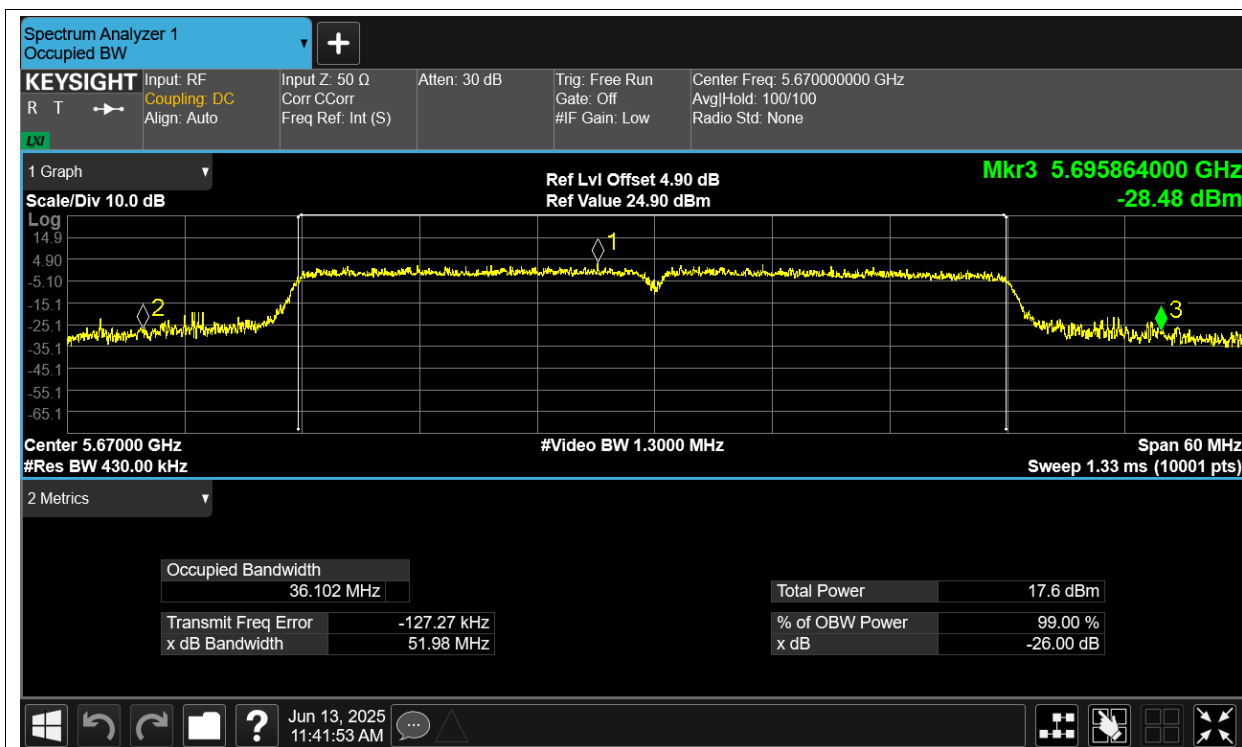




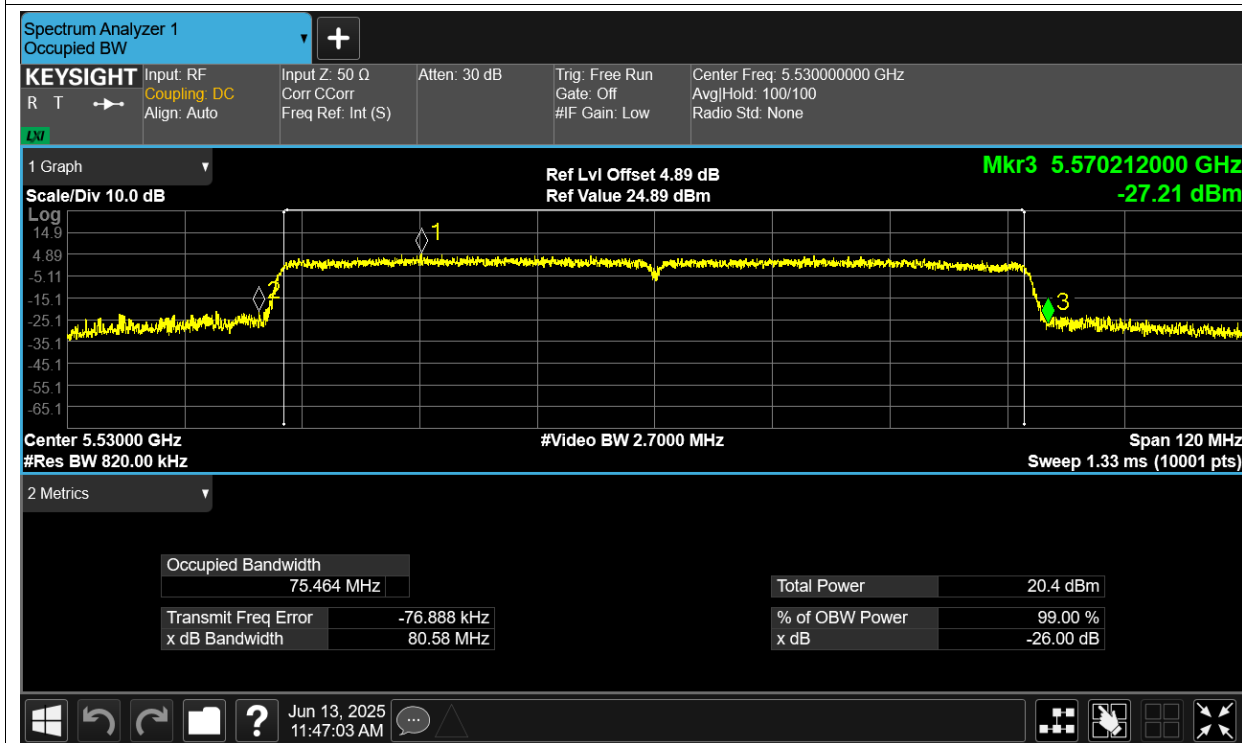
-26dB Bandwidth NVNT ac40 5590MHz Ant1



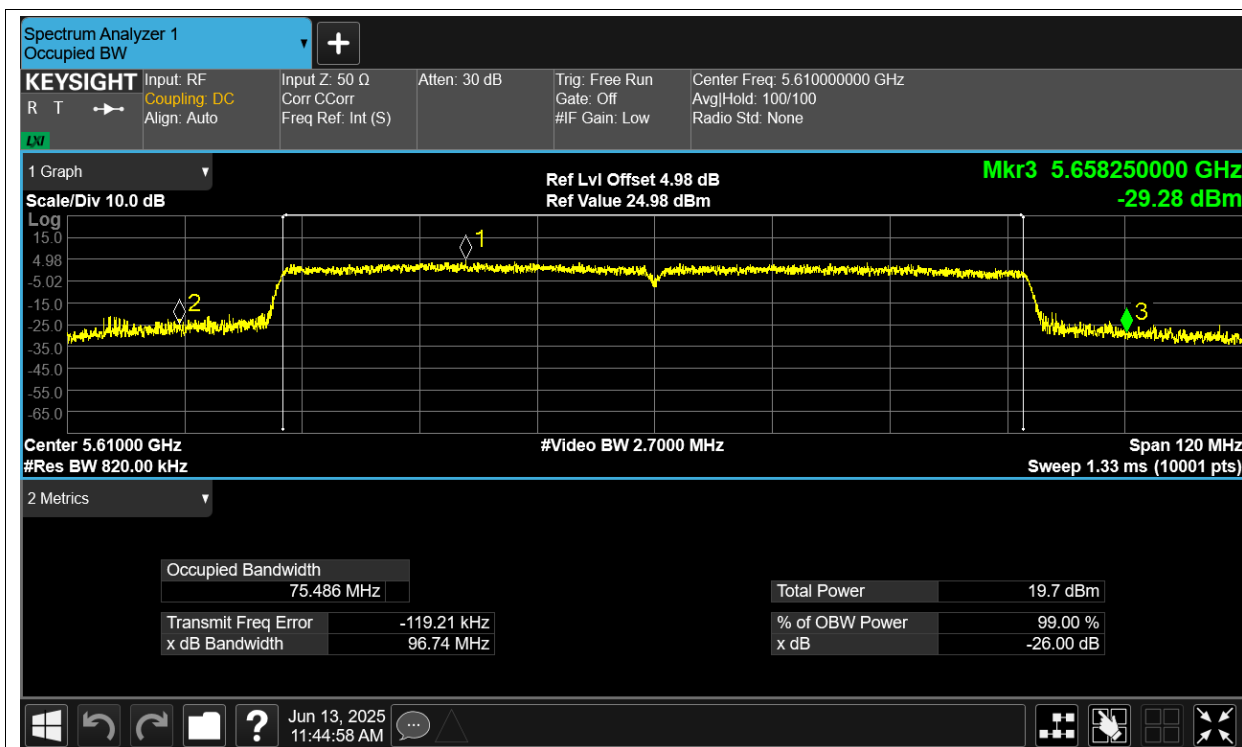
-26dB Bandwidth NVNT ac40 5670MHz Ant1



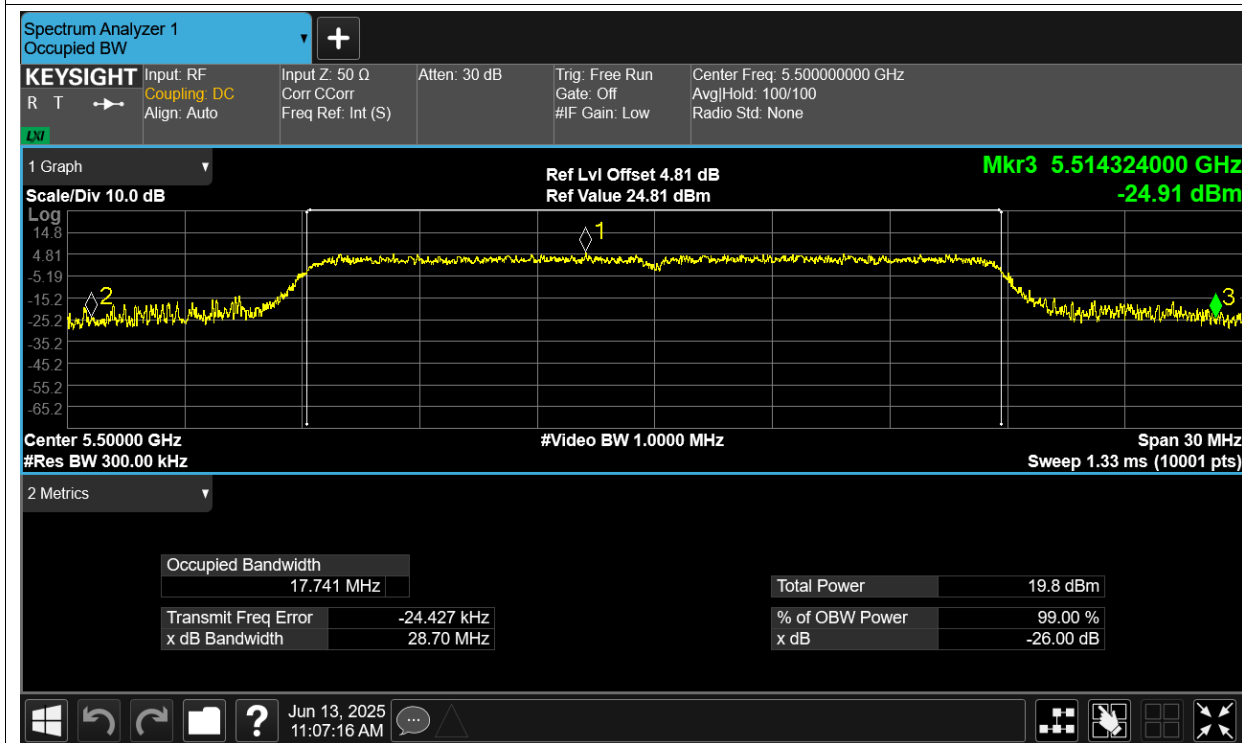
-26dB Bandwidth NVNT ac80 5530MHz Ant1



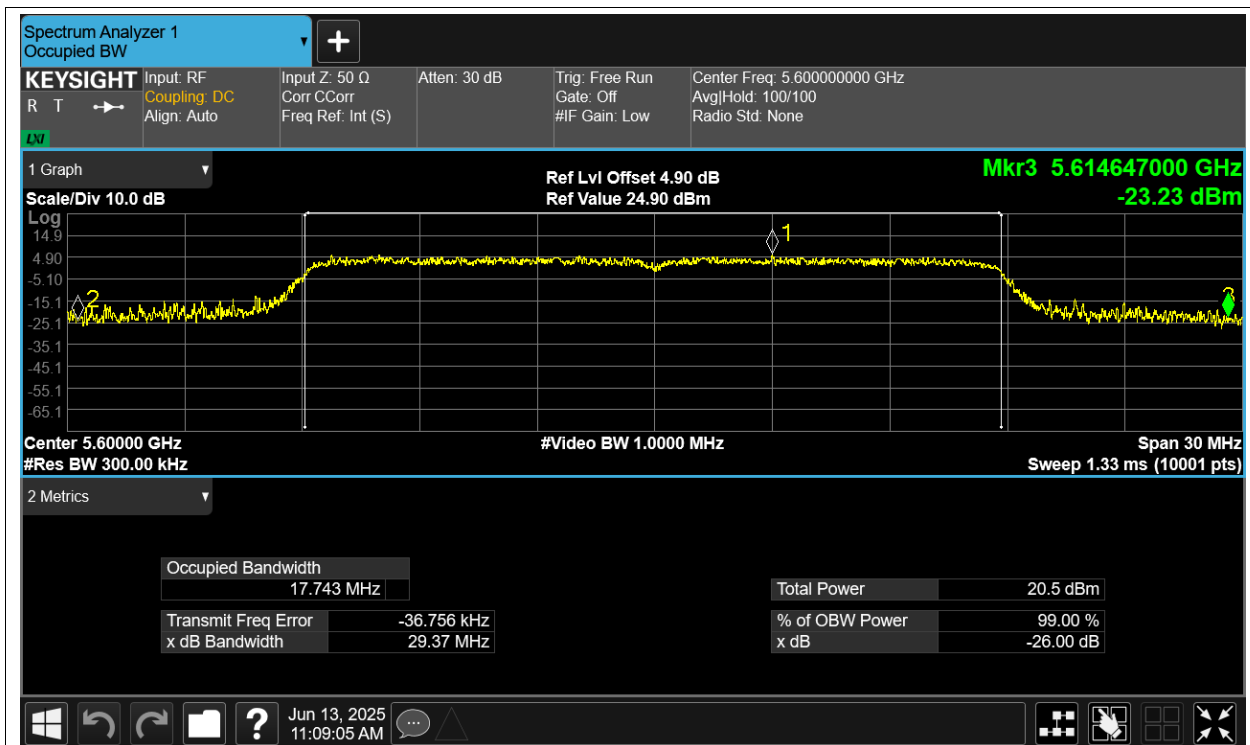
-26dB Bandwidth NVNT ac80 5610MHz Ant1



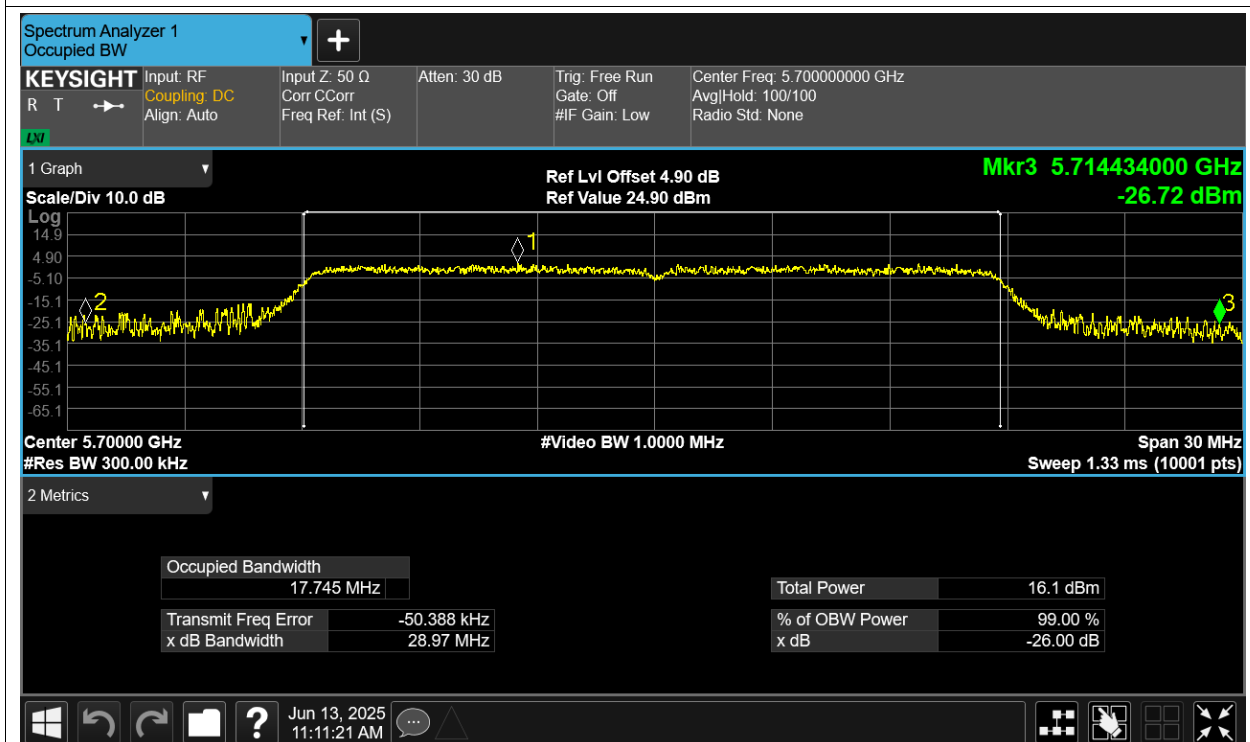
-26dB Bandwidth NVNT n20 5500MHz Ant1



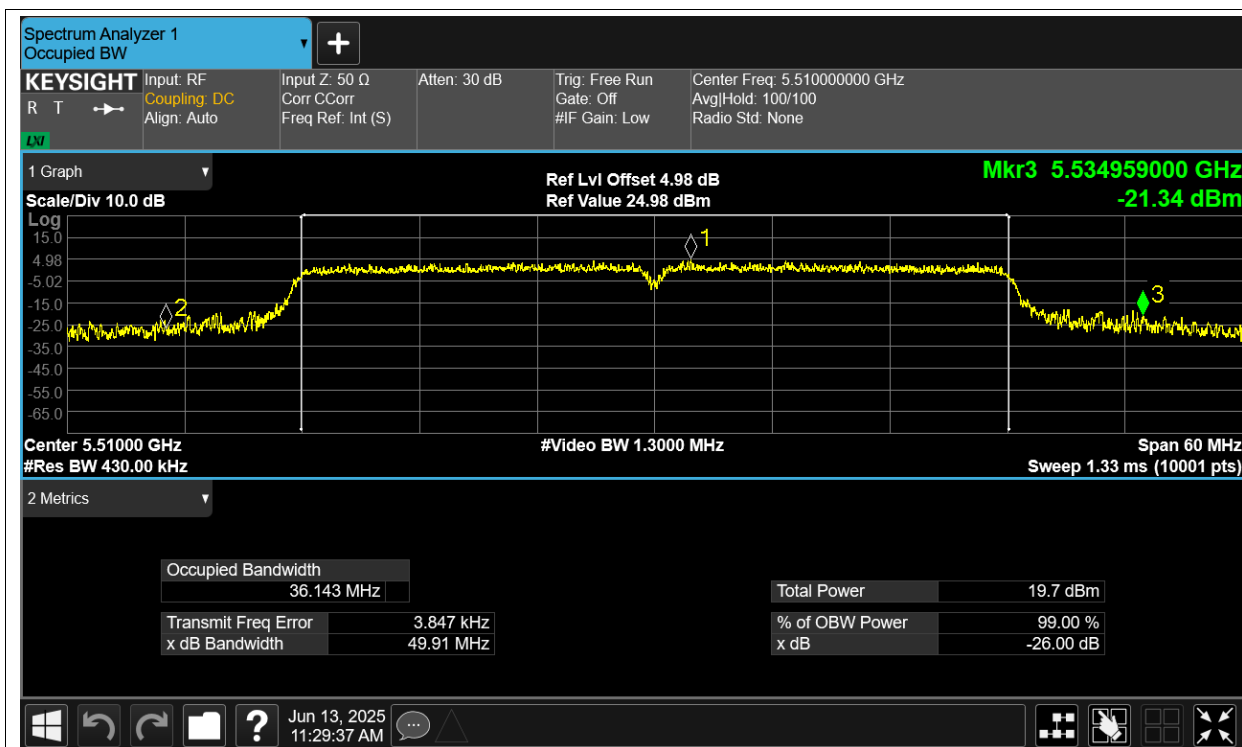
-26dB Bandwidth NVNT n20 5600MHz Ant1



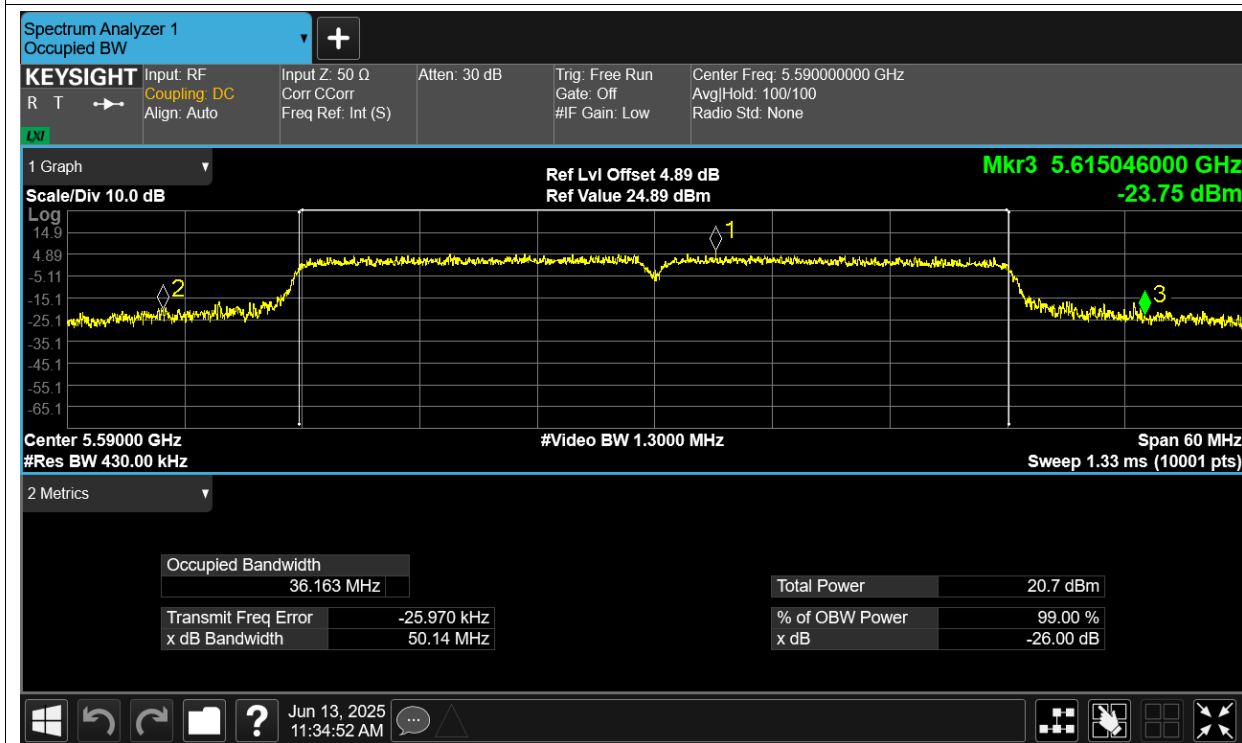
-26dB Bandwidth NVNT n20 5700MHz Ant1



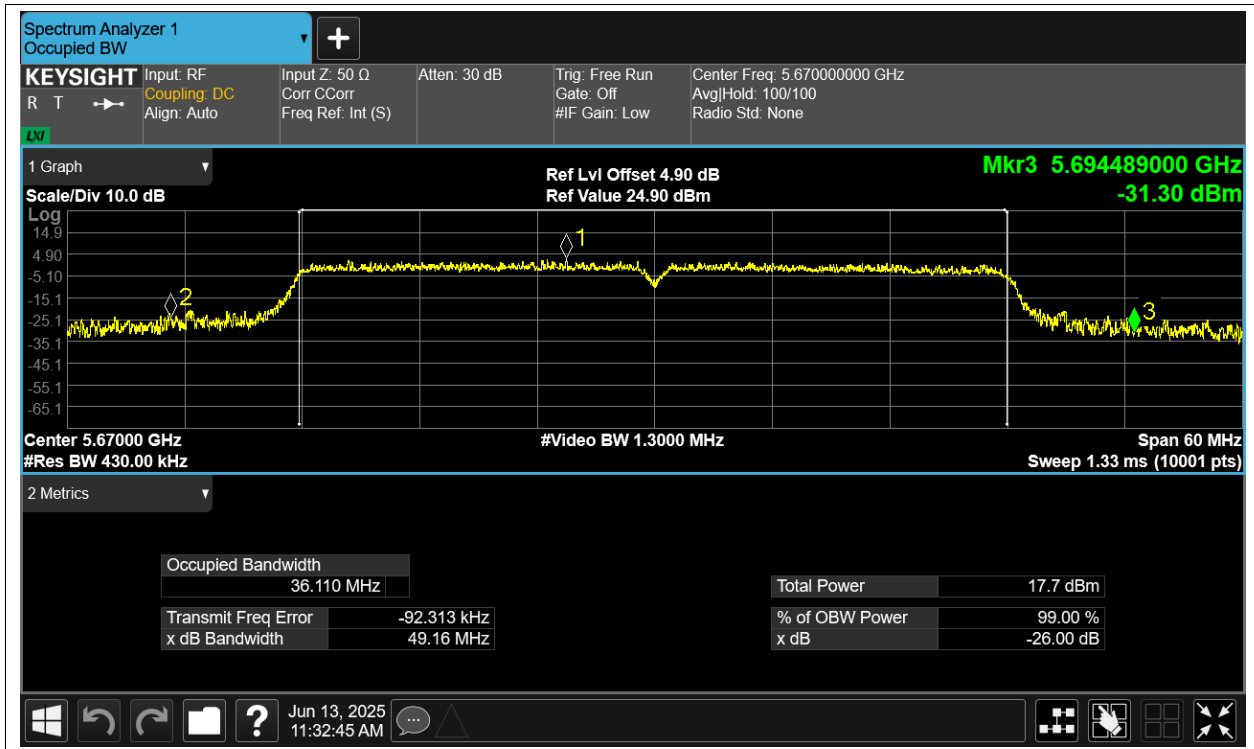
-26dB Bandwidth NVNT n40 5510MHz Ant1



-26dB Bandwidth NVNT n40 5590MHz Ant1



-26dB Bandwidth NVNT n40 5670MHz Ant1

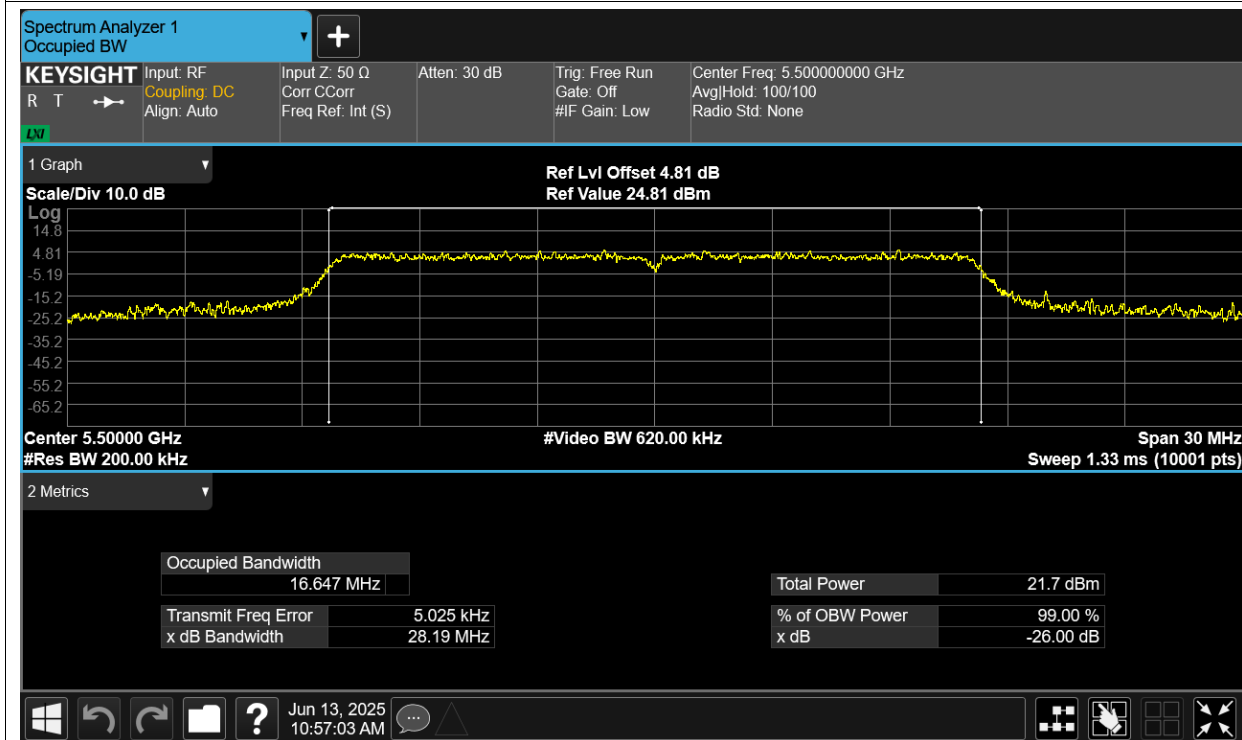


## Occupied Channel Bandwidth

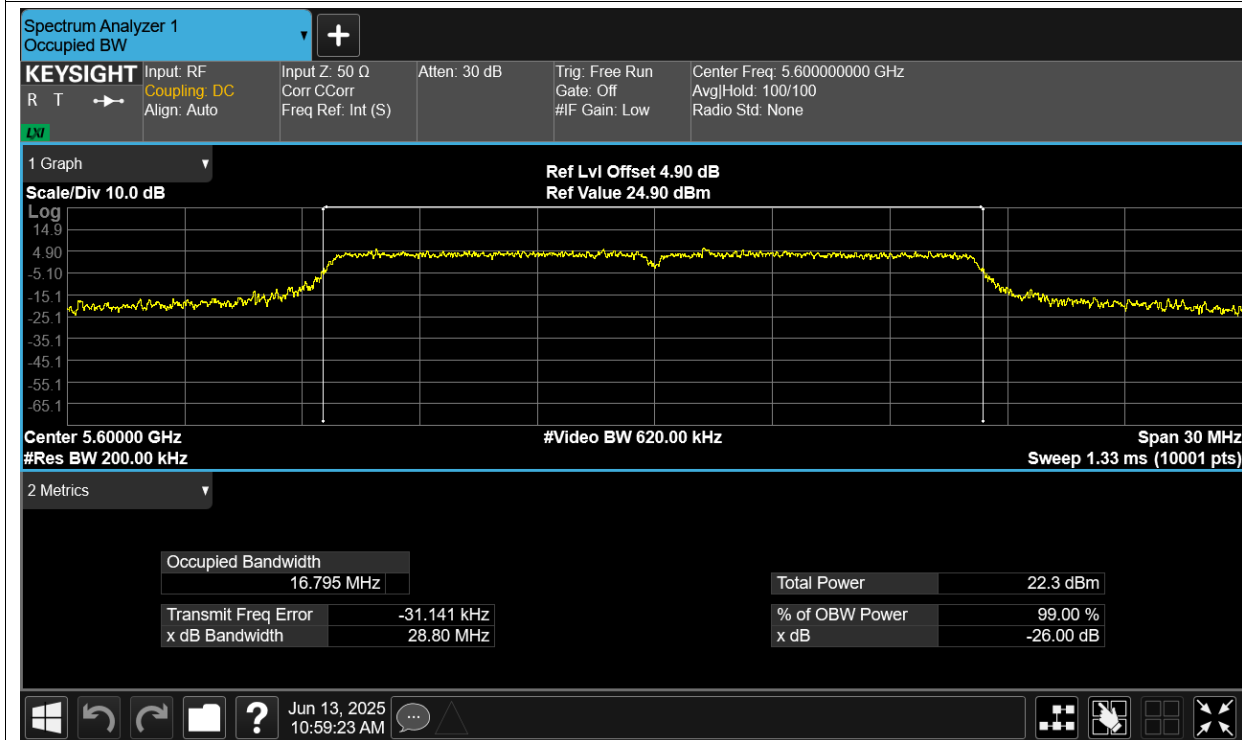
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5500            | Ant1    | 16.647        |
| NVNT      | a    | 5600            | Ant1    | 16.795        |
| NVNT      | a    | 5700            | Ant1    | 16.585        |
| NVNT      | ac20 | 5500            | Ant1    | 17.616        |
| NVNT      | ac20 | 5600            | Ant1    | 17.658        |
| NVNT      | ac20 | 5700            | Ant1    | 17.619        |
| NVNT      | ac40 | 5510            | Ant1    | 36.139        |
| NVNT      | ac40 | 5590            | Ant1    | 36.227        |
| NVNT      | ac40 | 5670            | Ant1    | 36.111        |
| NVNT      | ac80 | 5530            | Ant1    | 75.445        |
| NVNT      | ac80 | 5610            | Ant1    | 75.512        |
| NVNT      | n20  | 5500            | Ant1    | 17.624        |
| NVNT      | n20  | 5600            | Ant1    | 17.709        |
| NVNT      | n20  | 5700            | Ant1    | 17.639        |
| NVNT      | n40  | 5510            | Ant1    | 36.211        |
| NVNT      | n40  | 5590            | Ant1    | 36.138        |
| NVNT      | n40  | 5670            | Ant1    | 36.16         |

## Test Graphs

OBW NVNT a 5500MHz Ant1

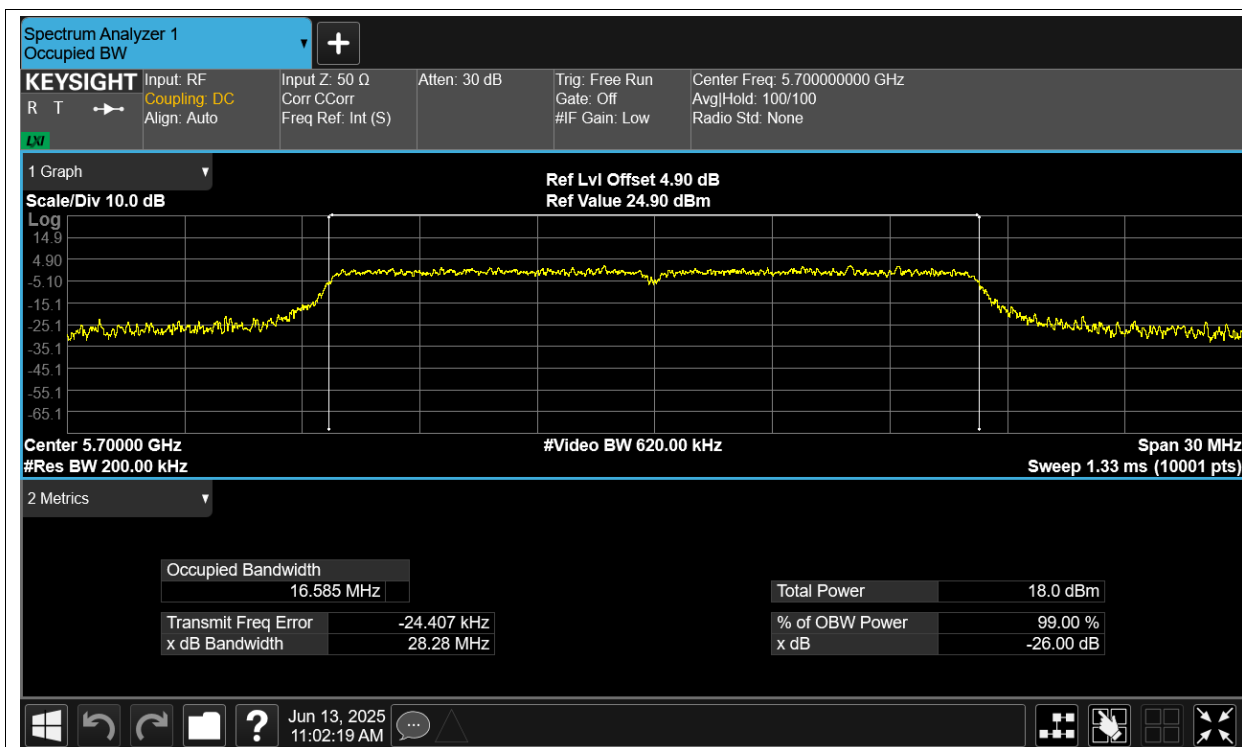


OBW NVNT a 5600MHz Ant1

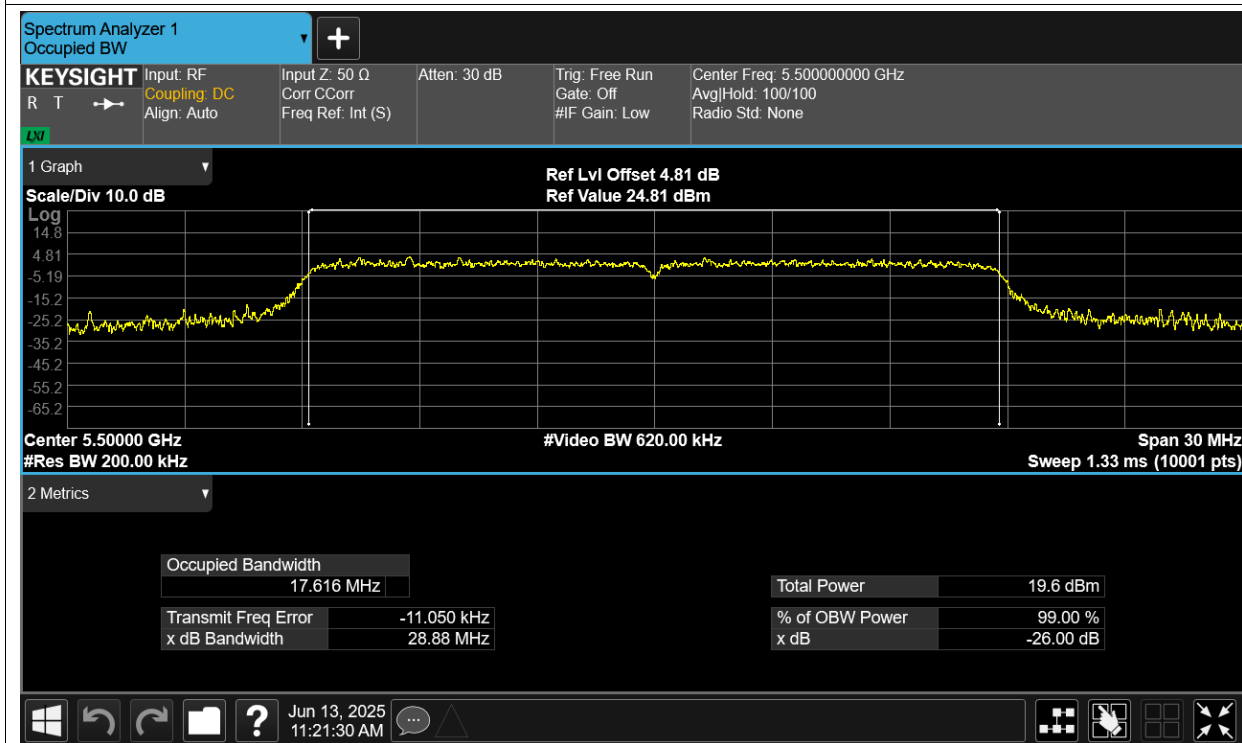


OBW NVNT a 5700MHz Ant1

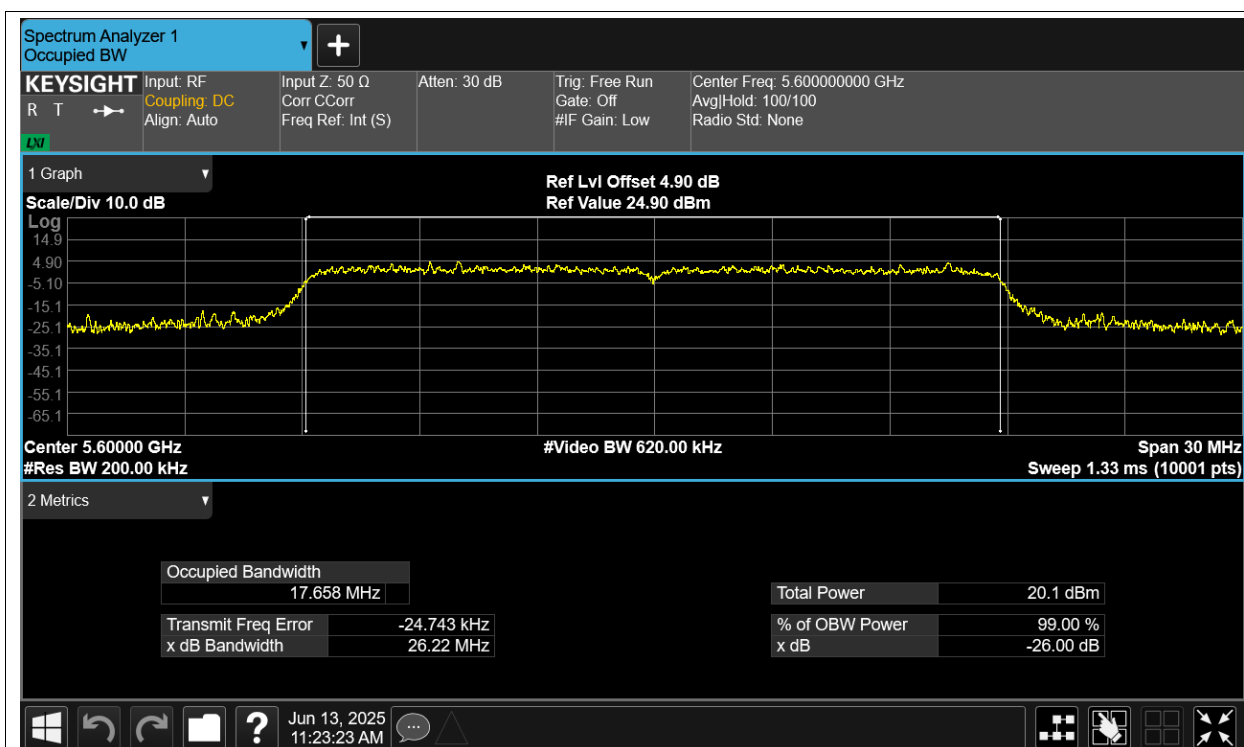




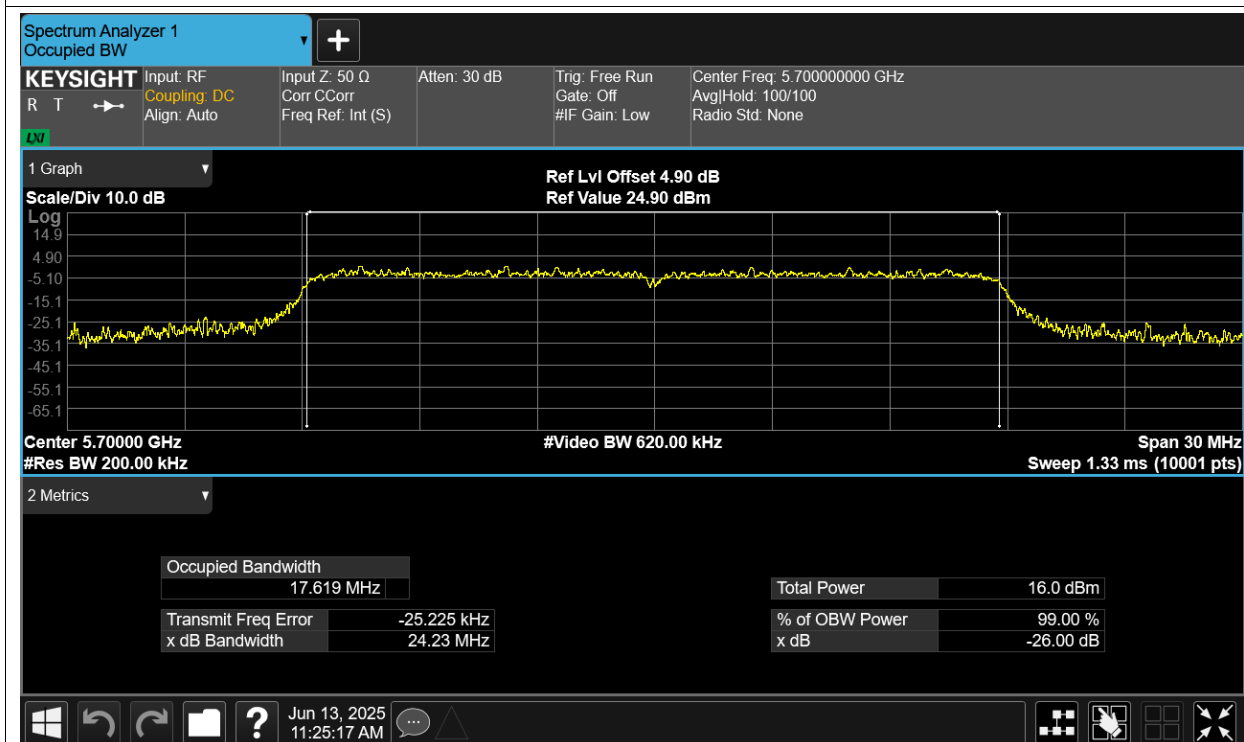
OBW NVNT ac20 5500MHz Ant1



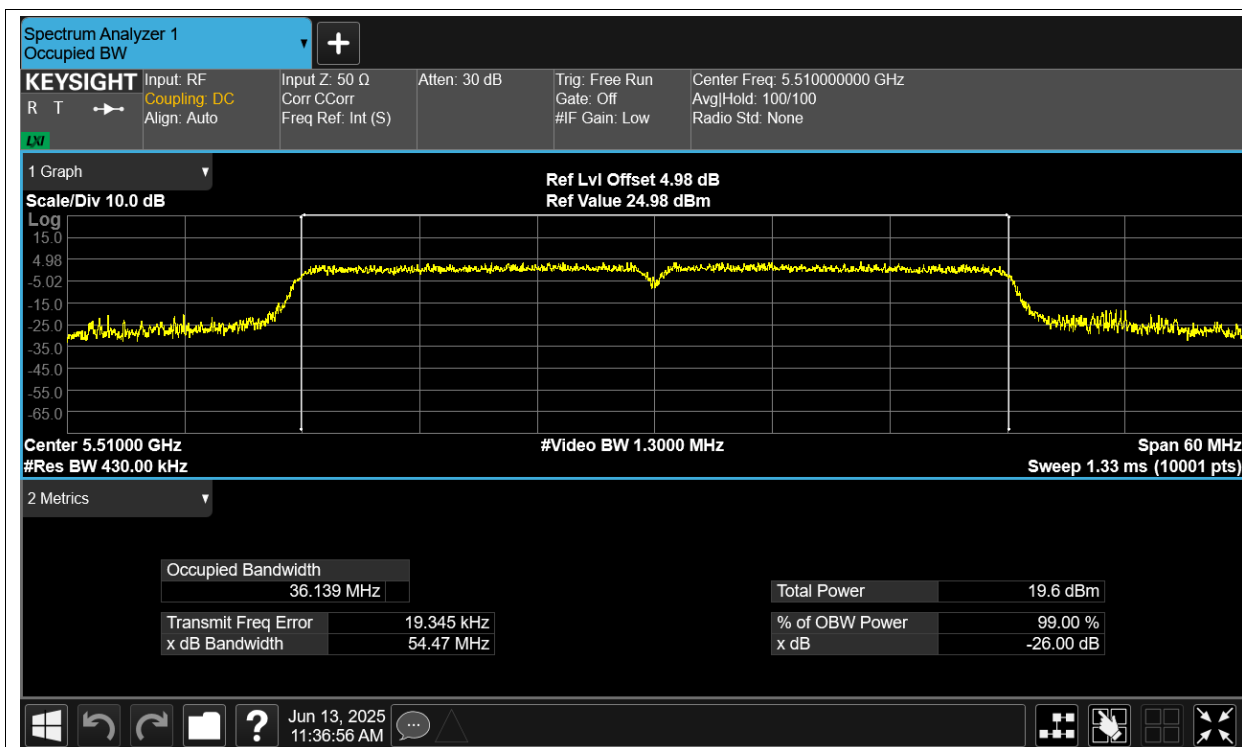
OBW NVNT ac20 5600MHz Ant1



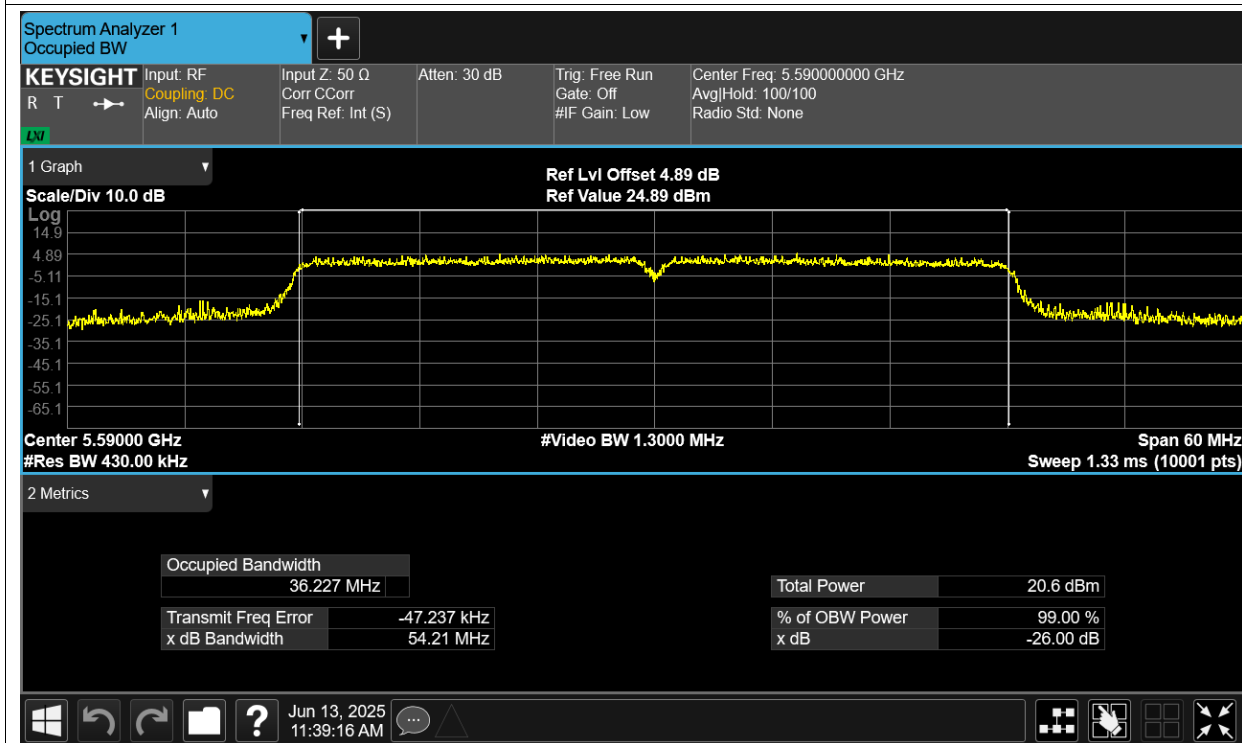
OBW NVNT ac20 5700MHz Ant1



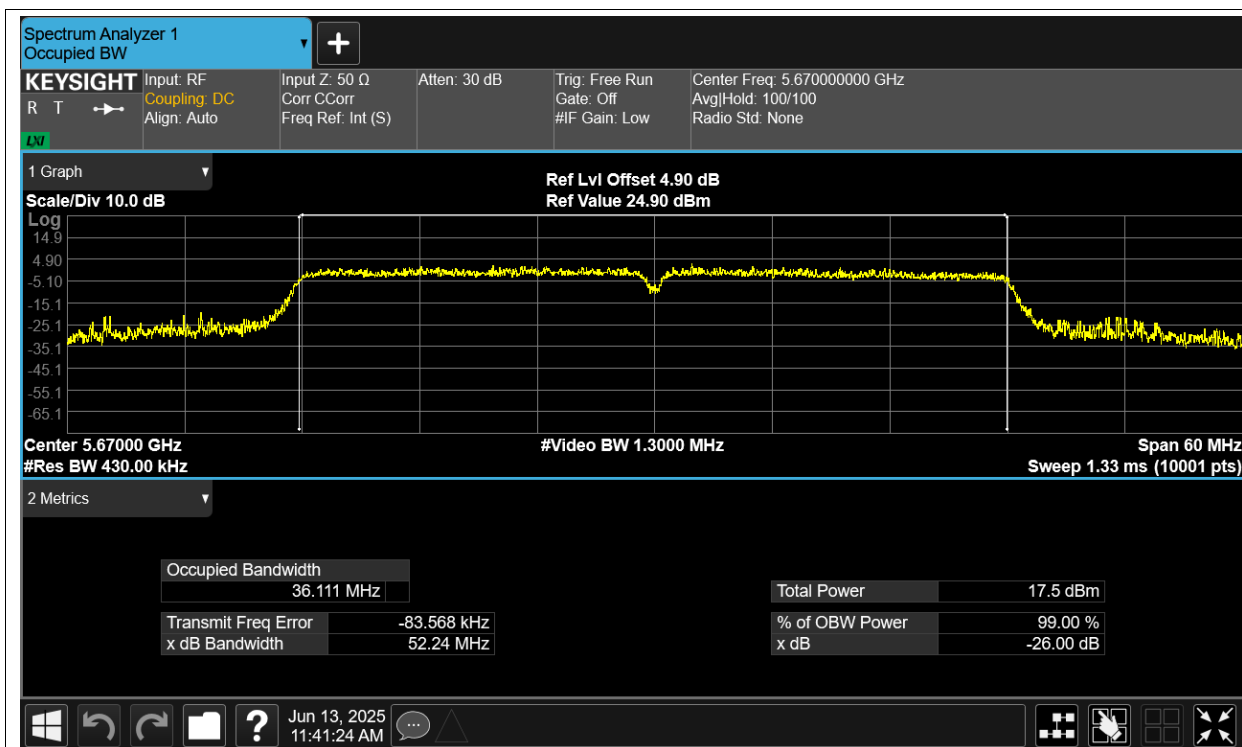
OBW NVNT ac40 5510MHz Ant1



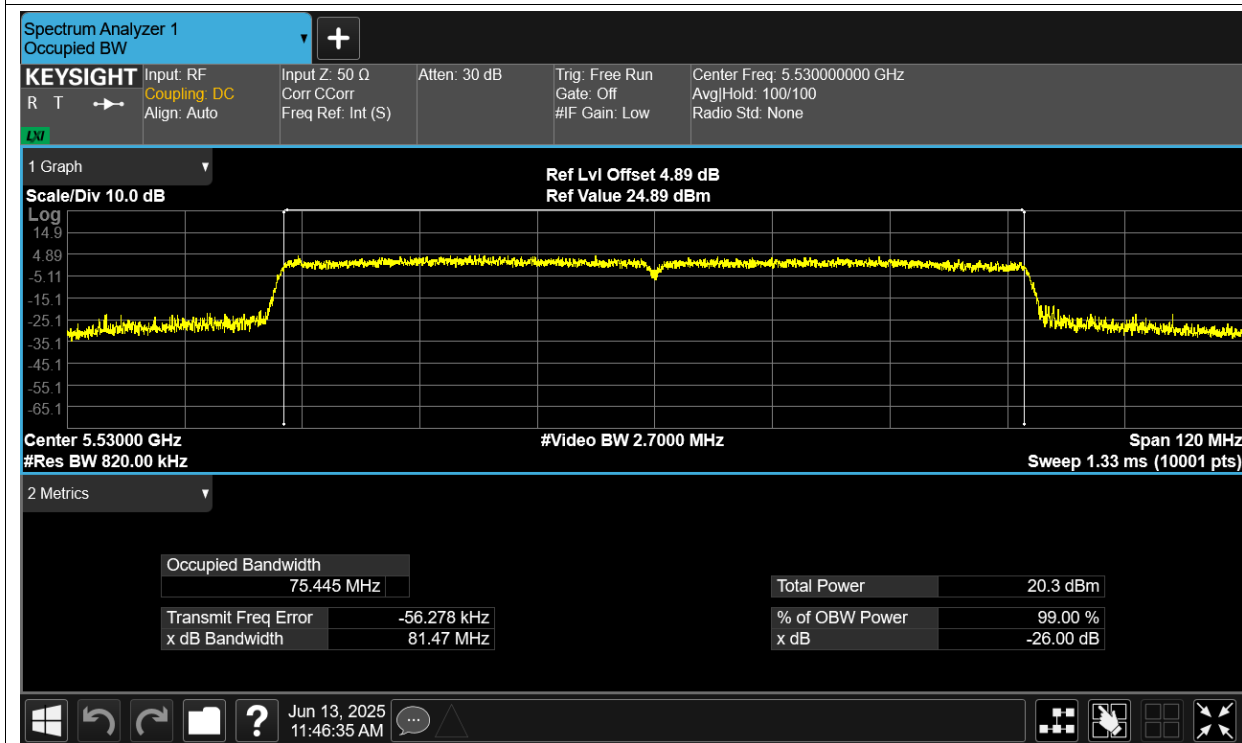
OBW NVNT ac40 5590MHz Ant1



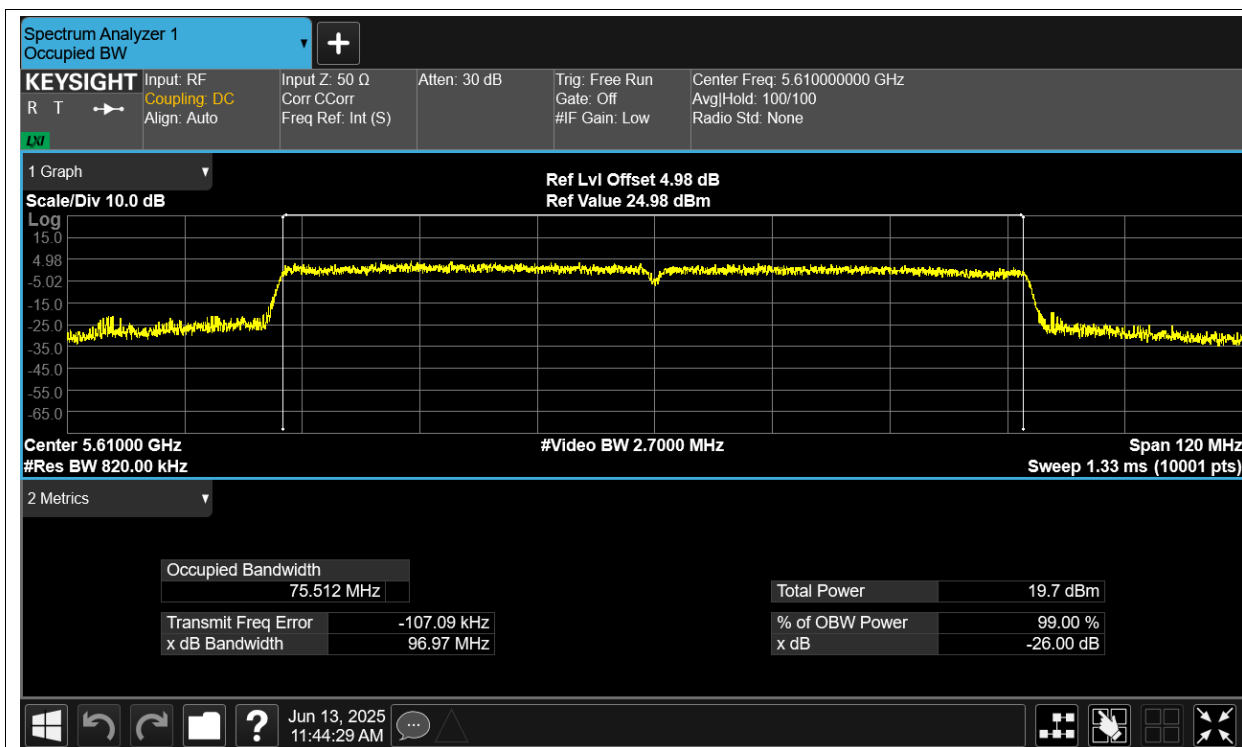
OBW NVNT ac40 5670MHz Ant1



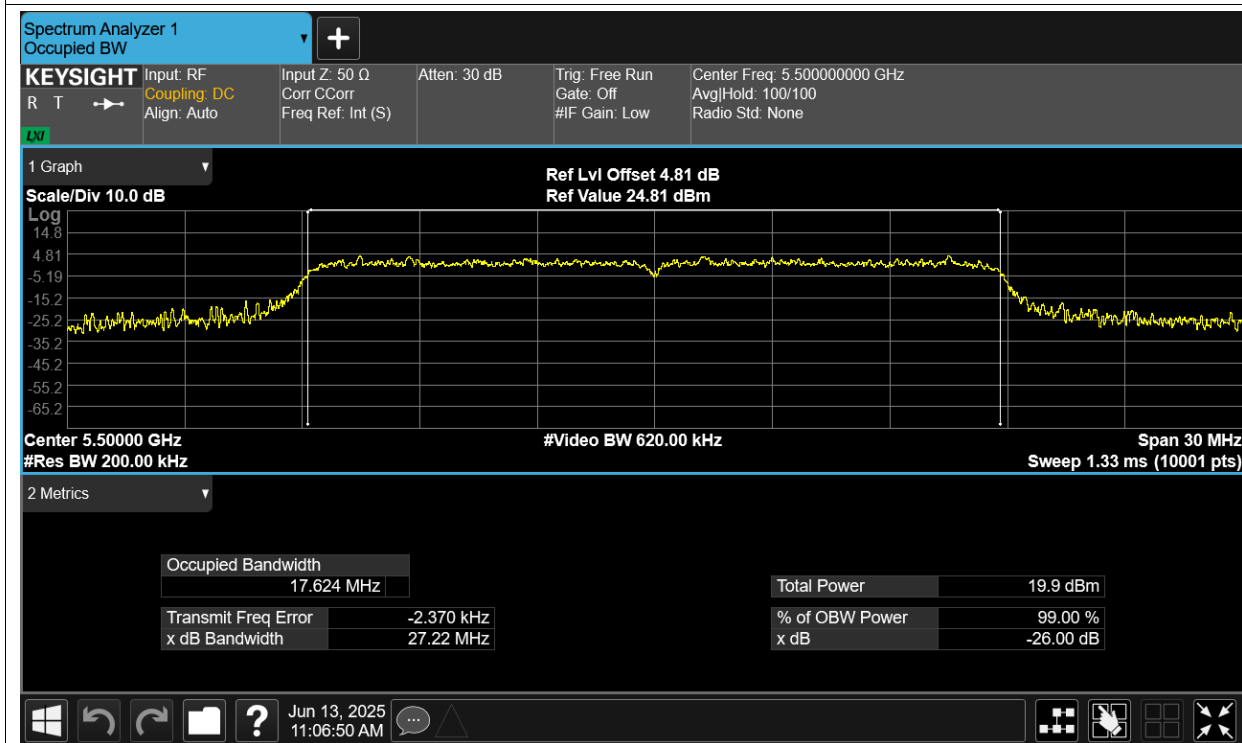
OBW NVNT ac80 5530MHz Ant1



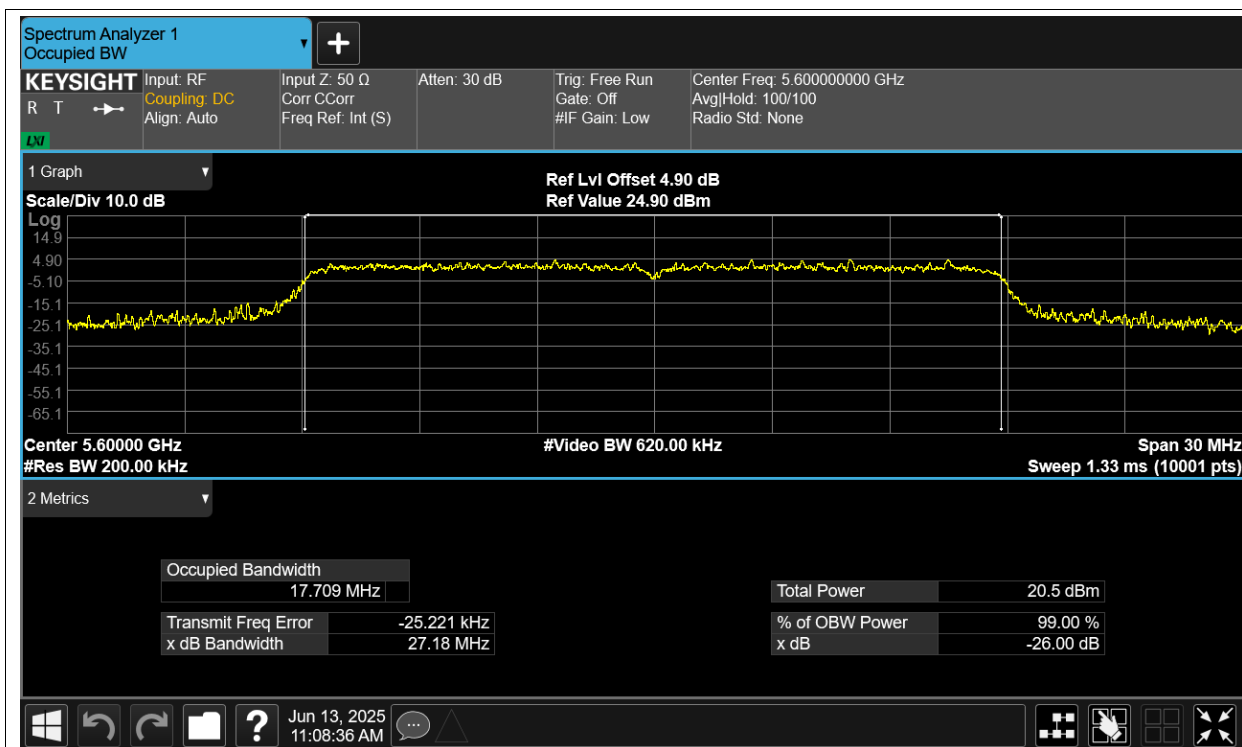
OBW NVNT ac80 5610MHz Ant1



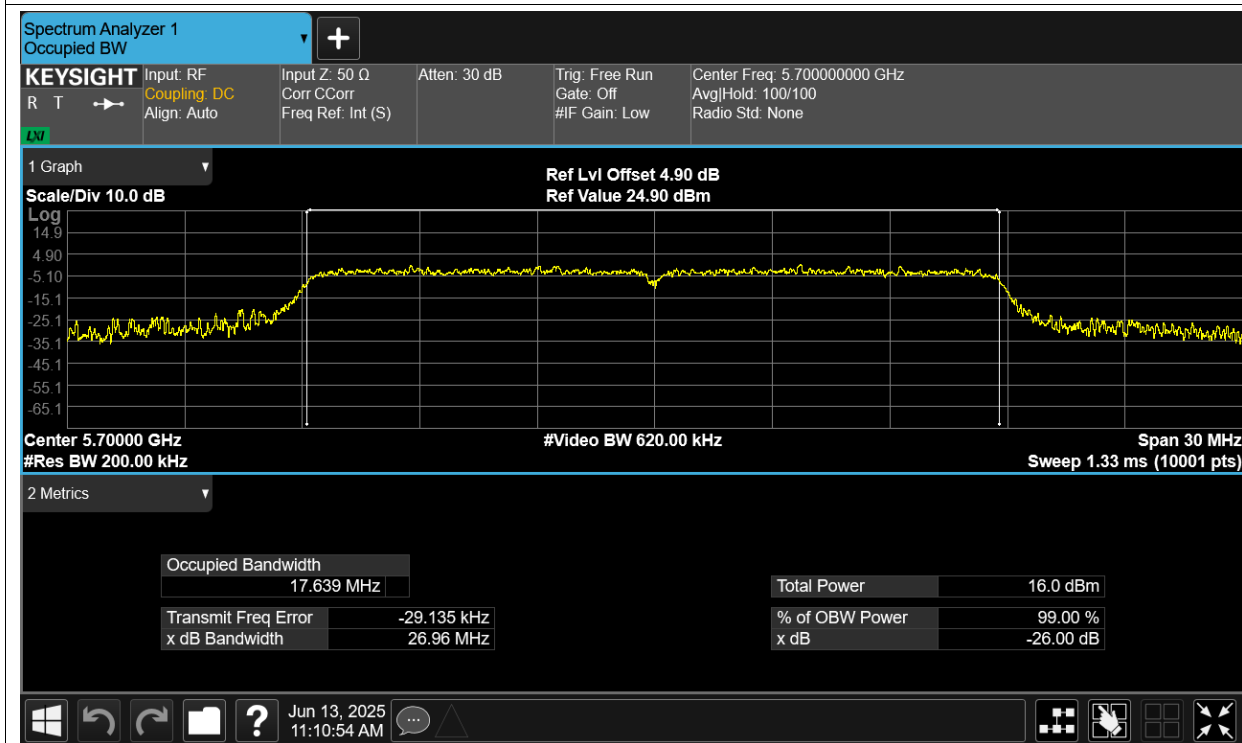
OBW NVNT n20 5500MHz Ant1



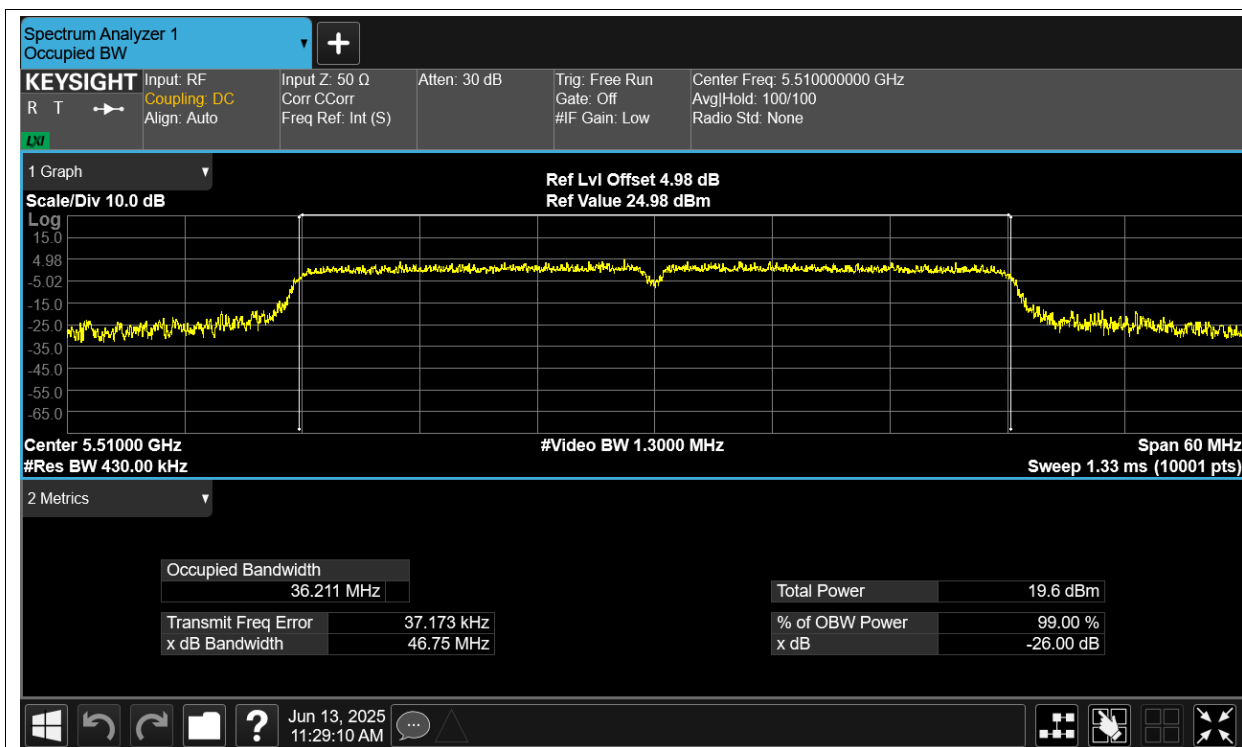
OBW NVNT n20 5600MHz Ant1



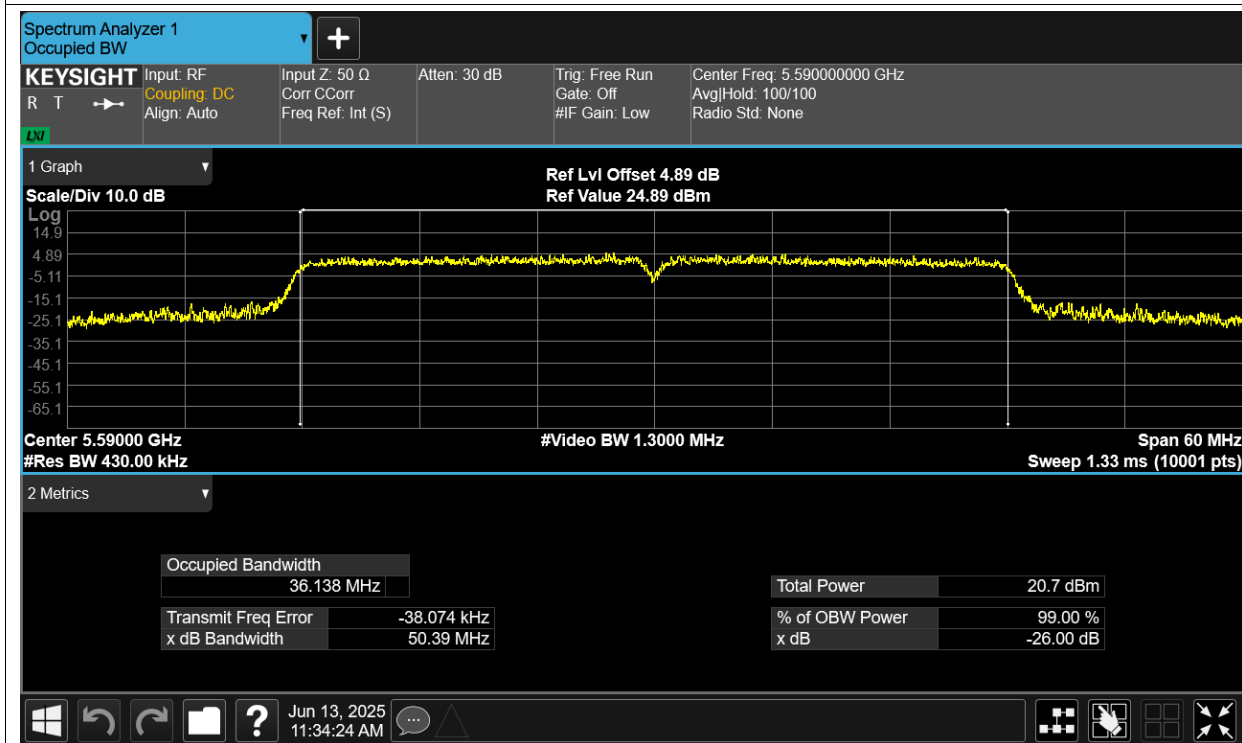
OBW NVNT n20 5700MHz Ant1



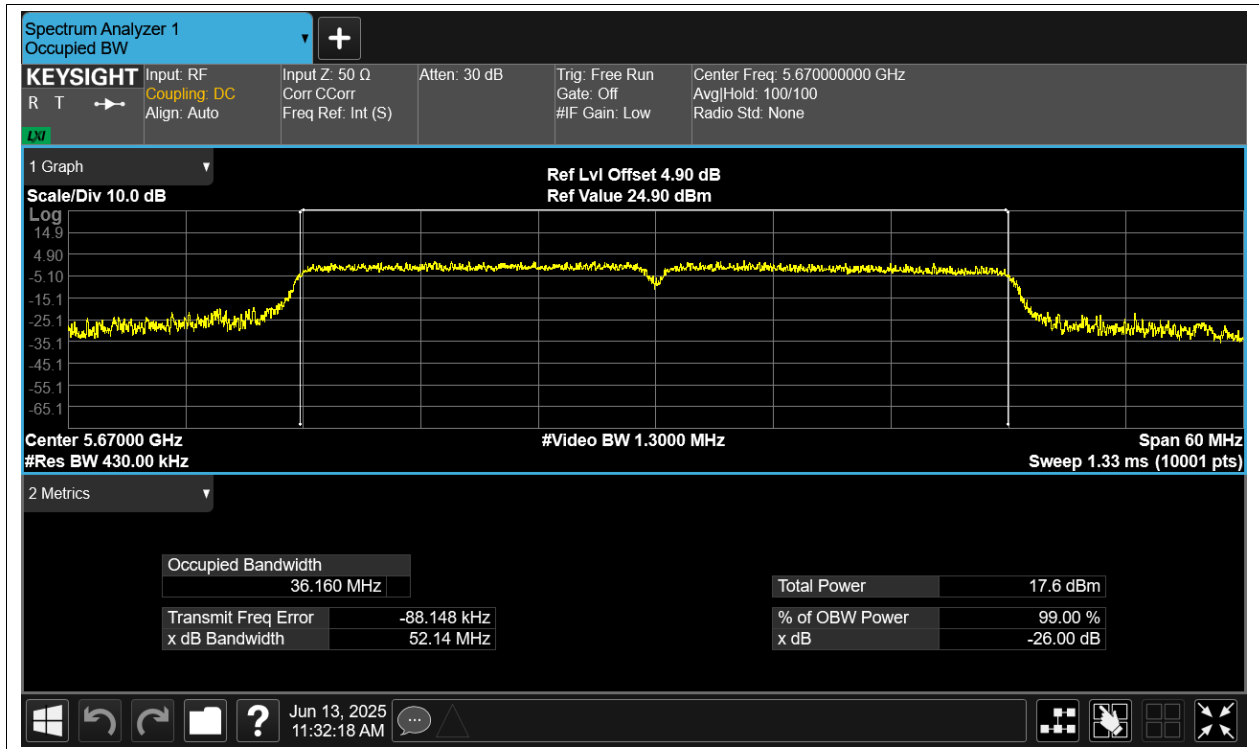
OBW NVNT n40 5510MHz Ant1



OBW NVNT n40 5590MHz Ant1



OBW NVNT n40 5670MHz Ant1



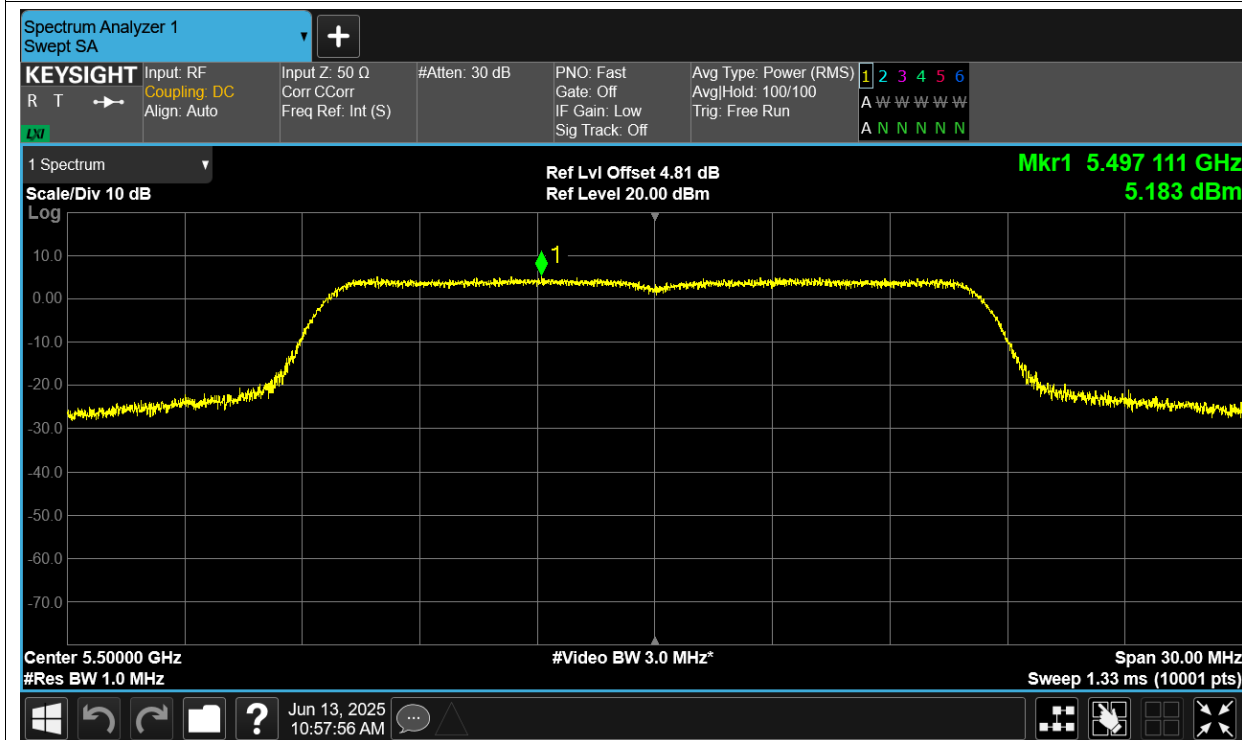


## Maximum Power Spectral Density Level

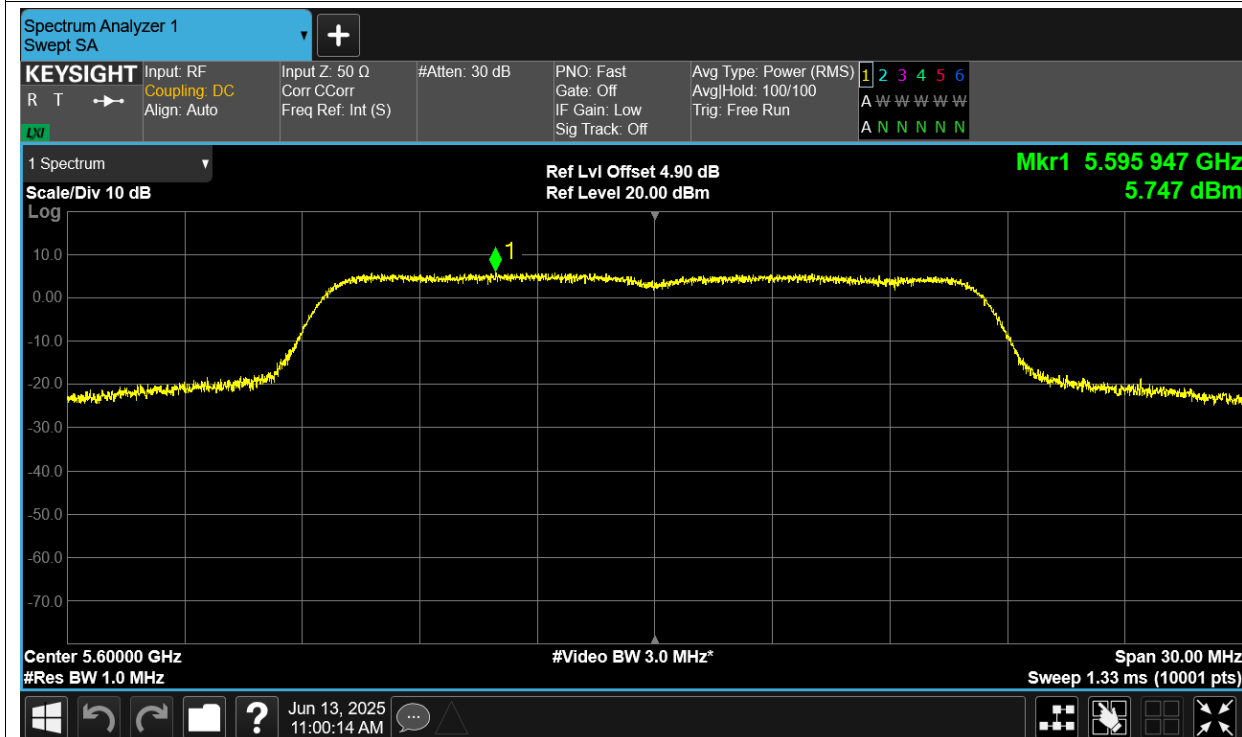
| Condition | Mode | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------|-------------|---------|
| NVNT      | a    | 5500            | Ant1    | 5.183         | 11          | Pass    |
| NVNT      | a    | 5600            | Ant1    | 5.747         | 11          | Pass    |
| NVNT      | a    | 5700            | Ant1    | 1.476         | 11          | Pass    |
| NVNT      | ac20 | 5500            | Ant1    | 2.903         | 11          | Pass    |
| NVNT      | ac20 | 5600            | Ant1    | 3.691         | 11          | Pass    |
| NVNT      | ac20 | 5700            | Ant1    | -0.568        | 11          | Pass    |
| NVNT      | ac40 | 5510            | Ant1    | 0.16          | 11          | Pass    |
| NVNT      | ac40 | 5590            | Ant1    | 0.516         | 11          | Pass    |
| NVNT      | ac40 | 5670            | Ant1    | -2.288        | 11          | Pass    |
| NVNT      | ac80 | 5530            | Ant1    | -3.99         | 11          | Pass    |
| NVNT      | ac80 | 5610            | Ant1    | -4.064        | 11          | Pass    |
| NVNT      | n20  | 5500            | Ant1    | 3.31          | 11          | Pass    |
| NVNT      | n20  | 5600            | Ant1    | 3.993         | 11          | Pass    |
| NVNT      | n20  | 5700            | Ant1    | -0.759        | 11          | Pass    |
| NVNT      | n40  | 5510            | Ant1    | 0.141         | 11          | Pass    |
| NVNT      | n40  | 5590            | Ant1    | 0.975         | 11          | Pass    |
| NVNT      | n40  | 5670            | Ant1    | -2.006        | 11          | Pass    |

## Test Graphs

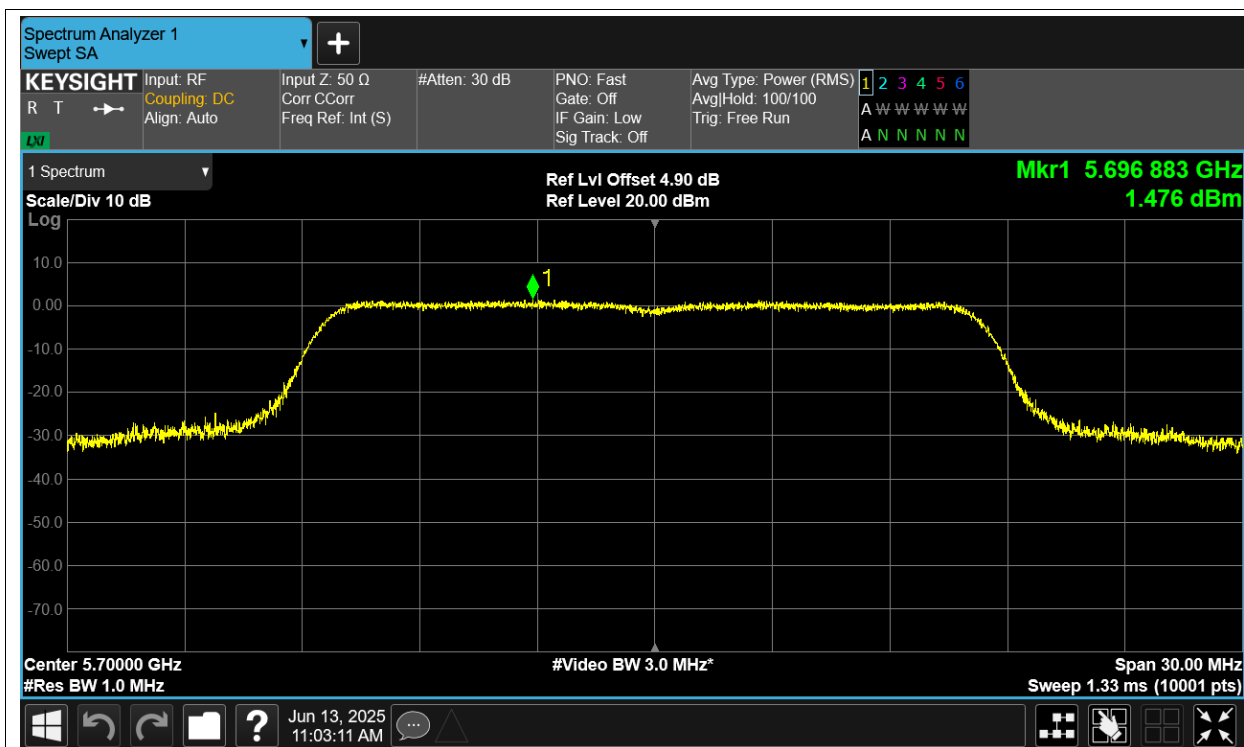
PSD NVNT a 5500MHz Ant1



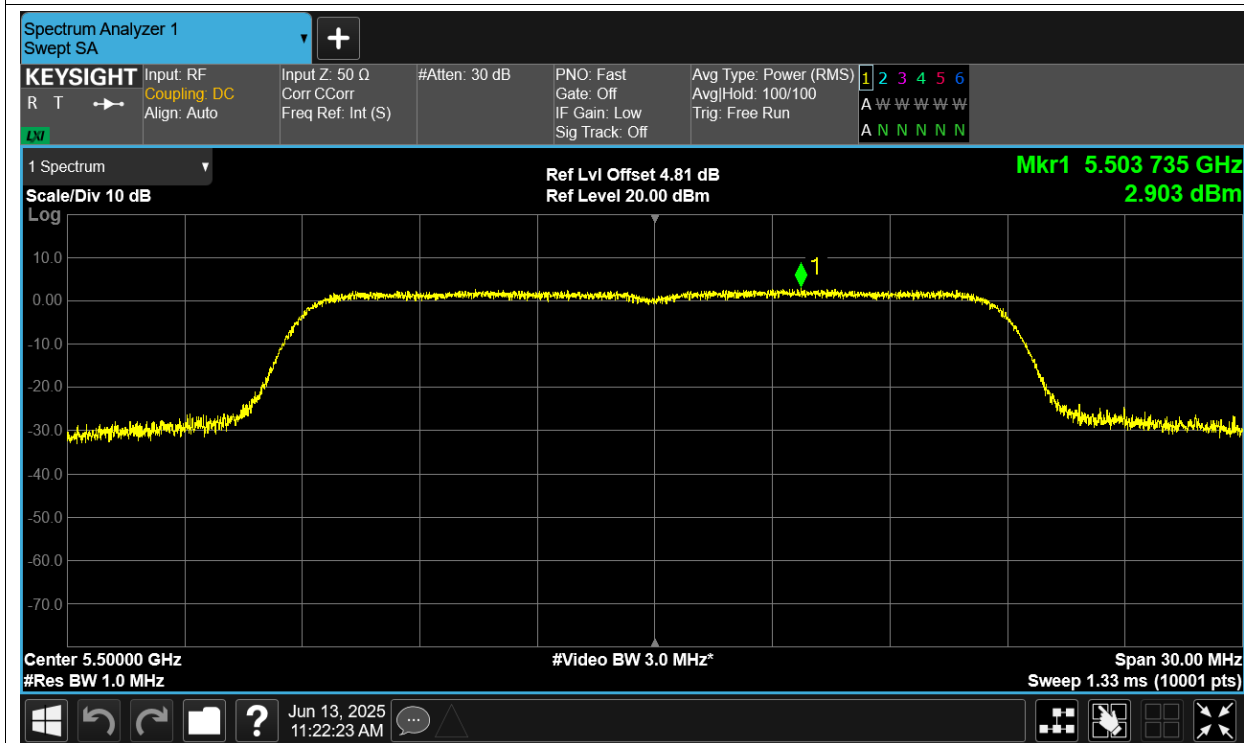
PSD NVNT a 5600MHz Ant1



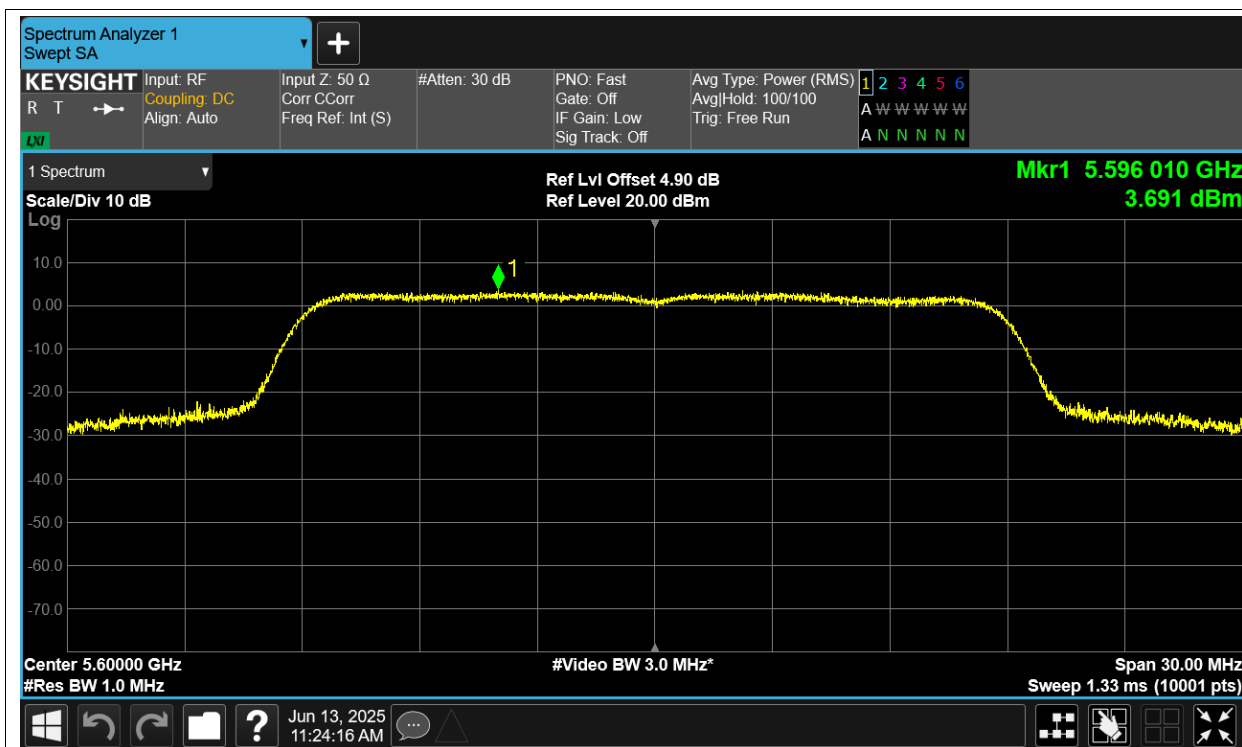
PSD NVNT a 5700MHz Ant1



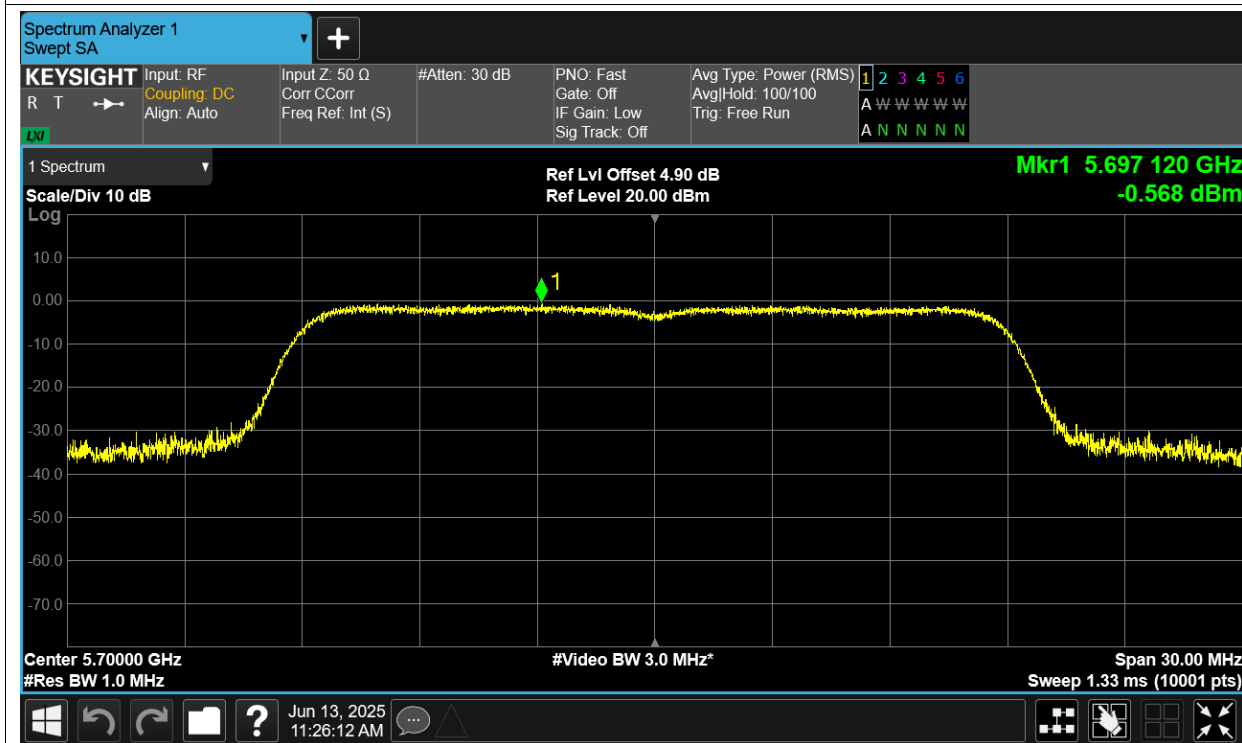
PSD NVNT ac20 5500MHz Ant1



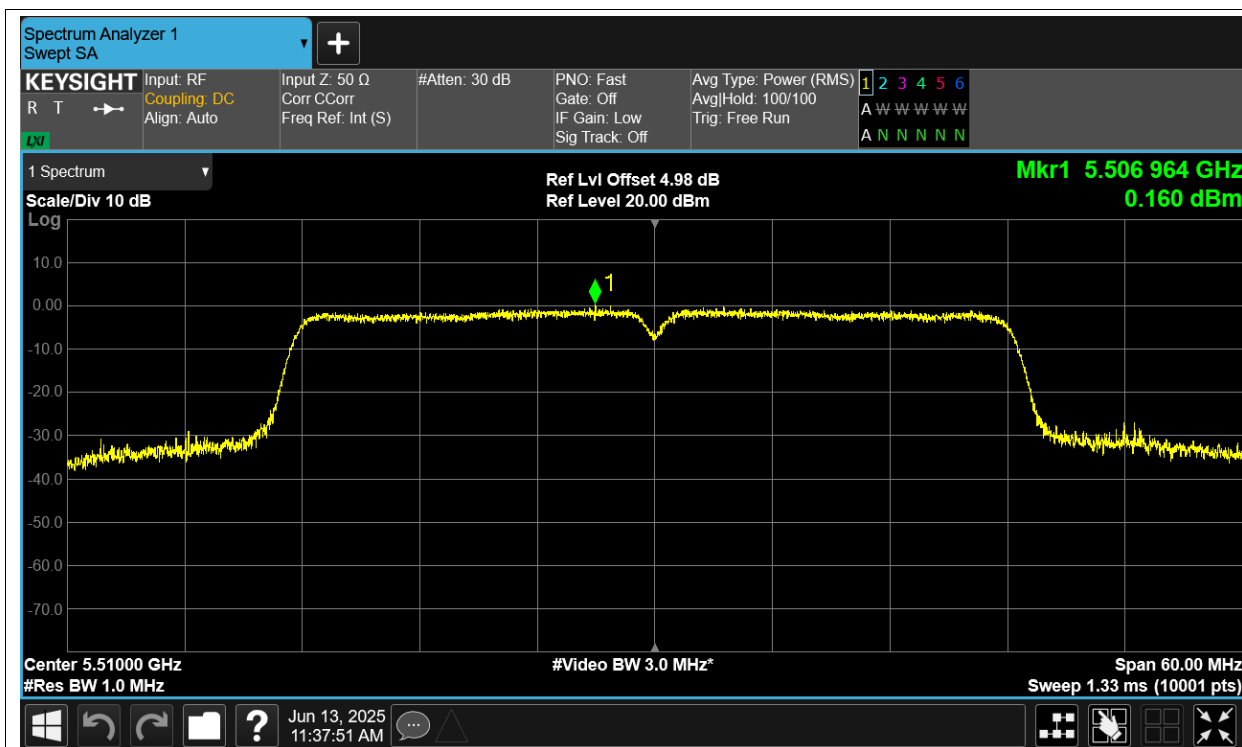
PSD NVNT ac20 5600MHz Ant1



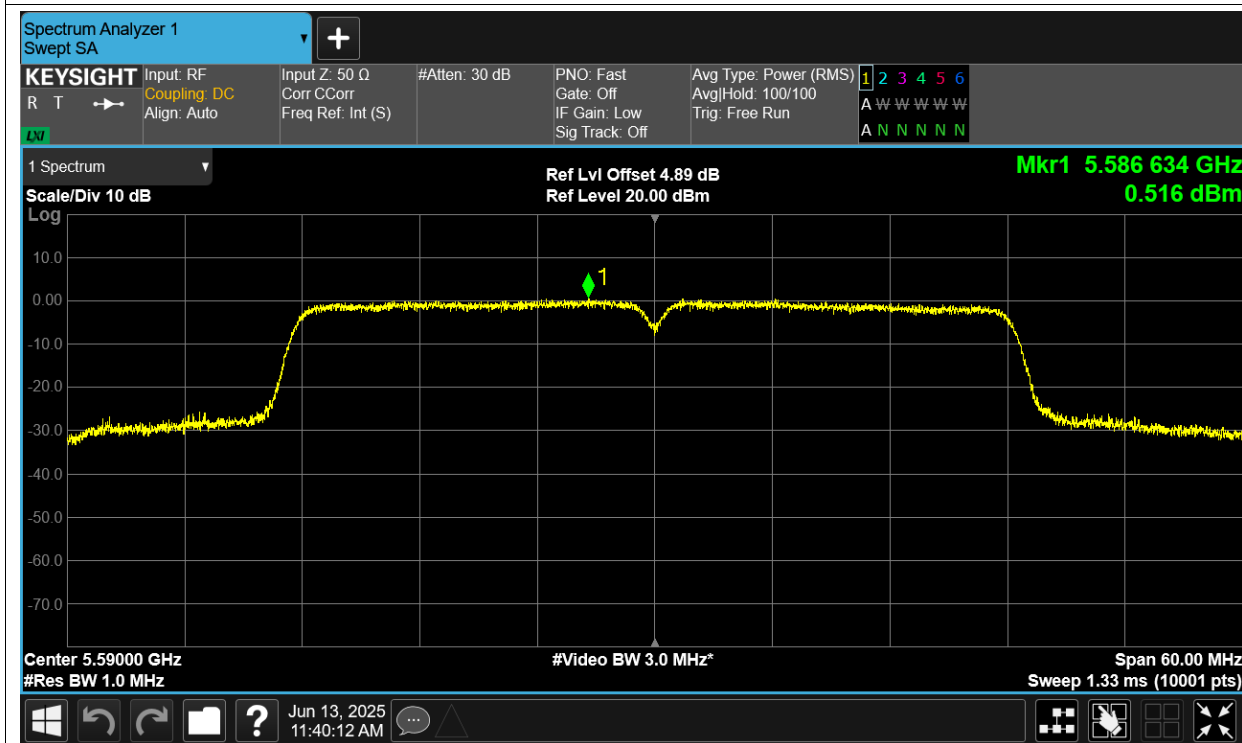
PSD NVNT ac20 5700MHz Ant1



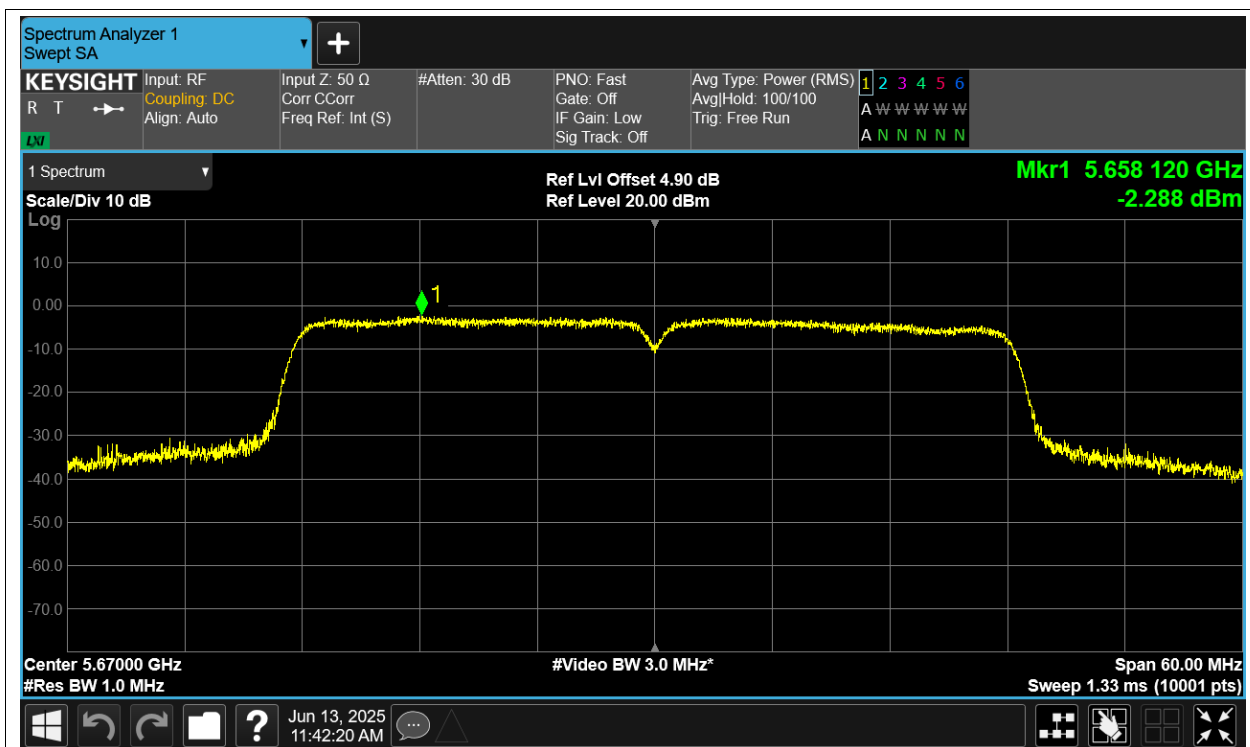
PSD NVNT ac40 5510MHz Ant1



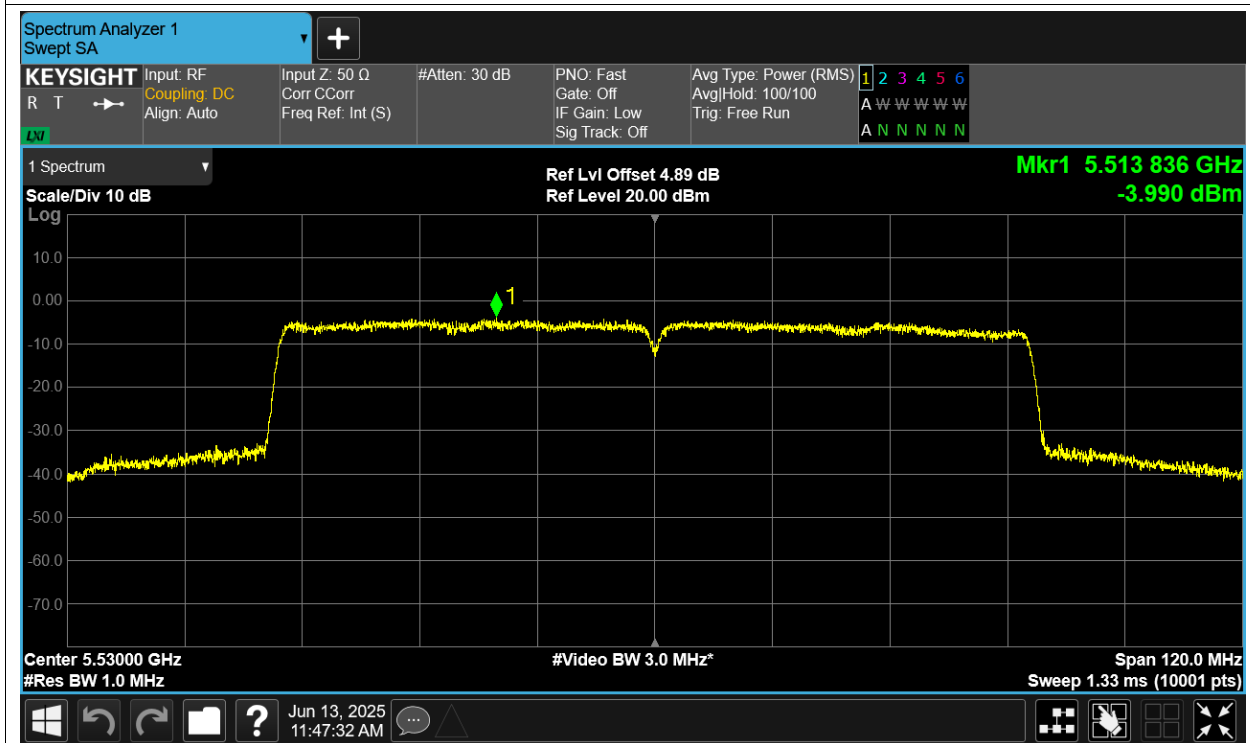
PSD NVNT ac40 5590MHz Ant1



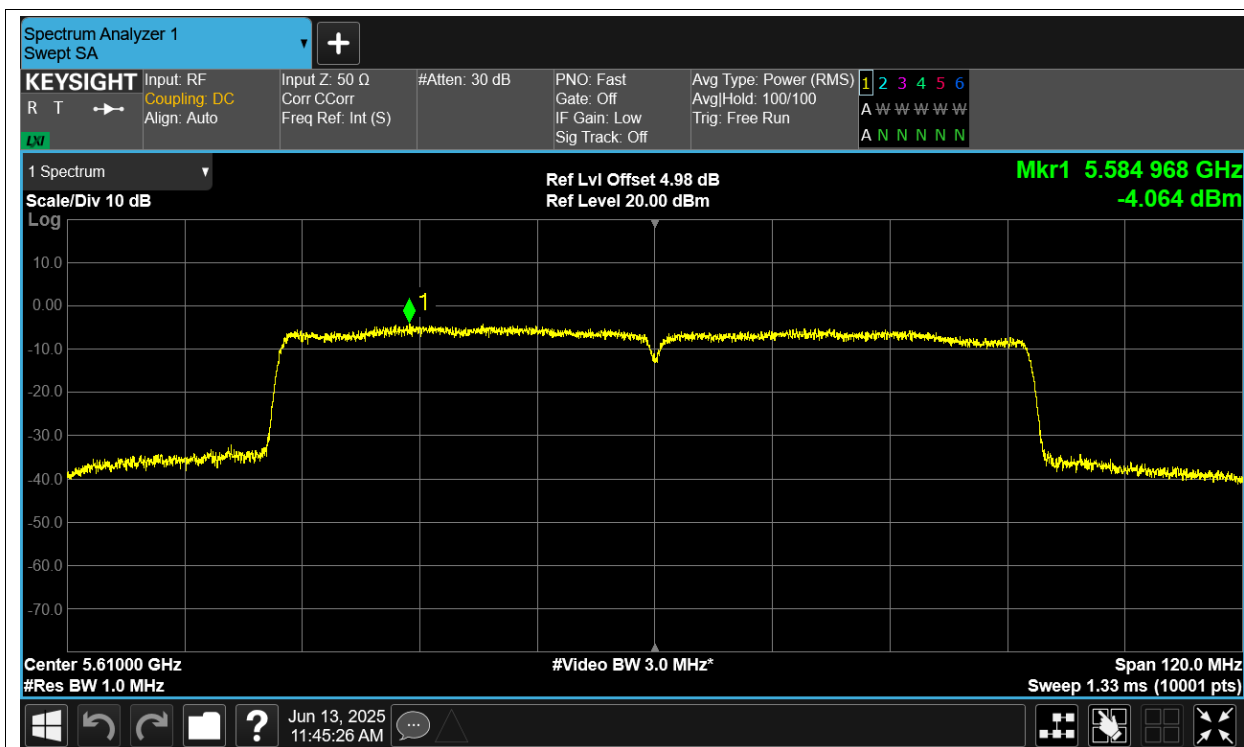
PSD NVNT ac40 5670MHz Ant1



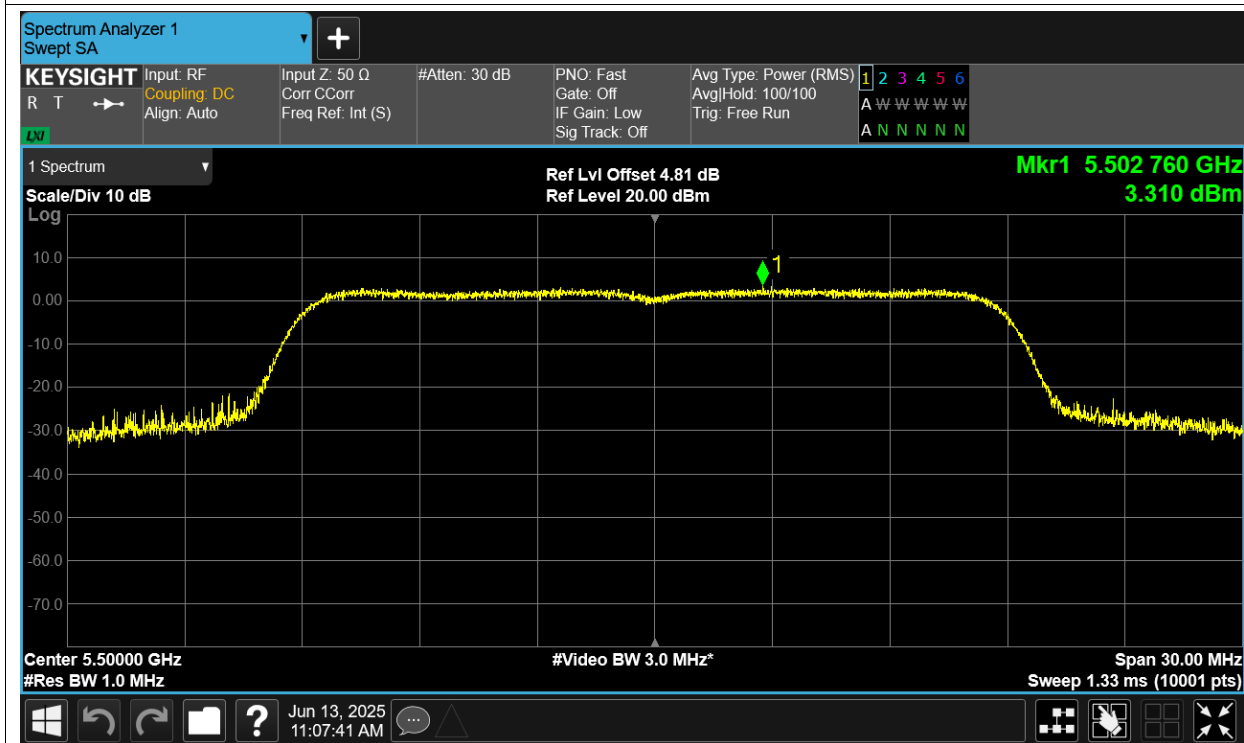
PSD NVNT ac80 5530MHz Ant1



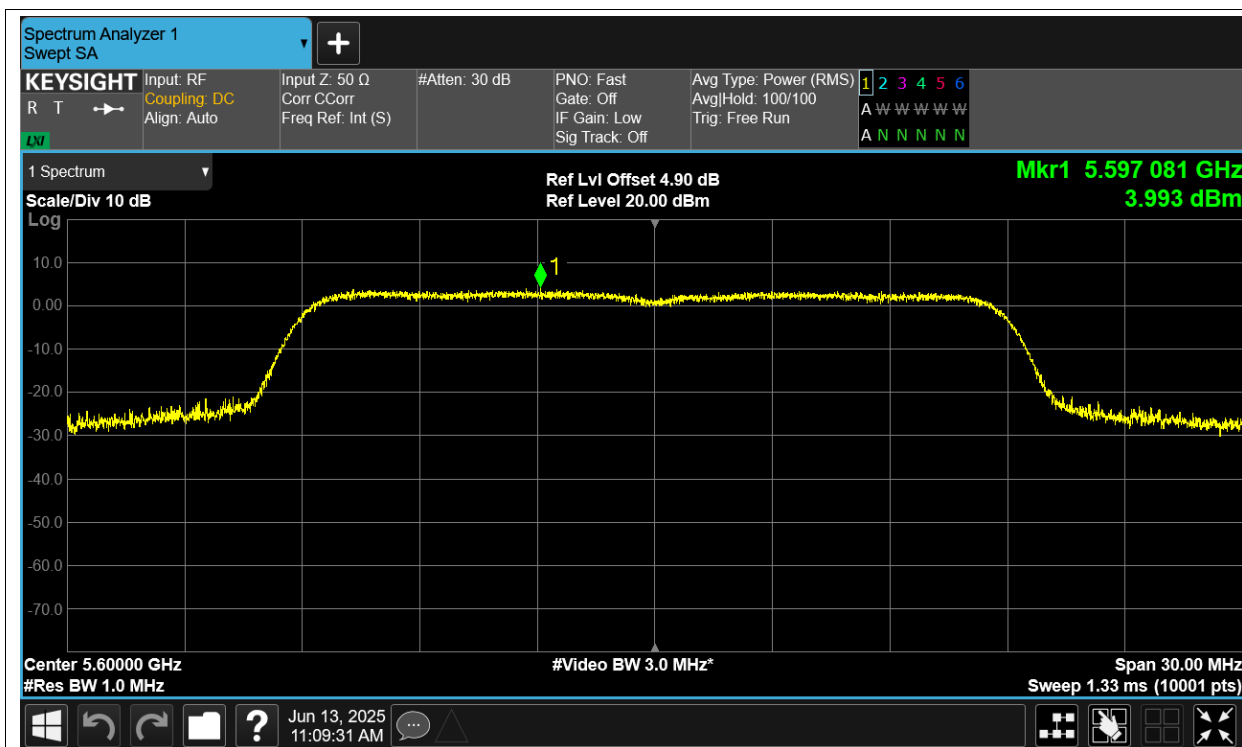
PSD NVNT ac80 5610MHz Ant1



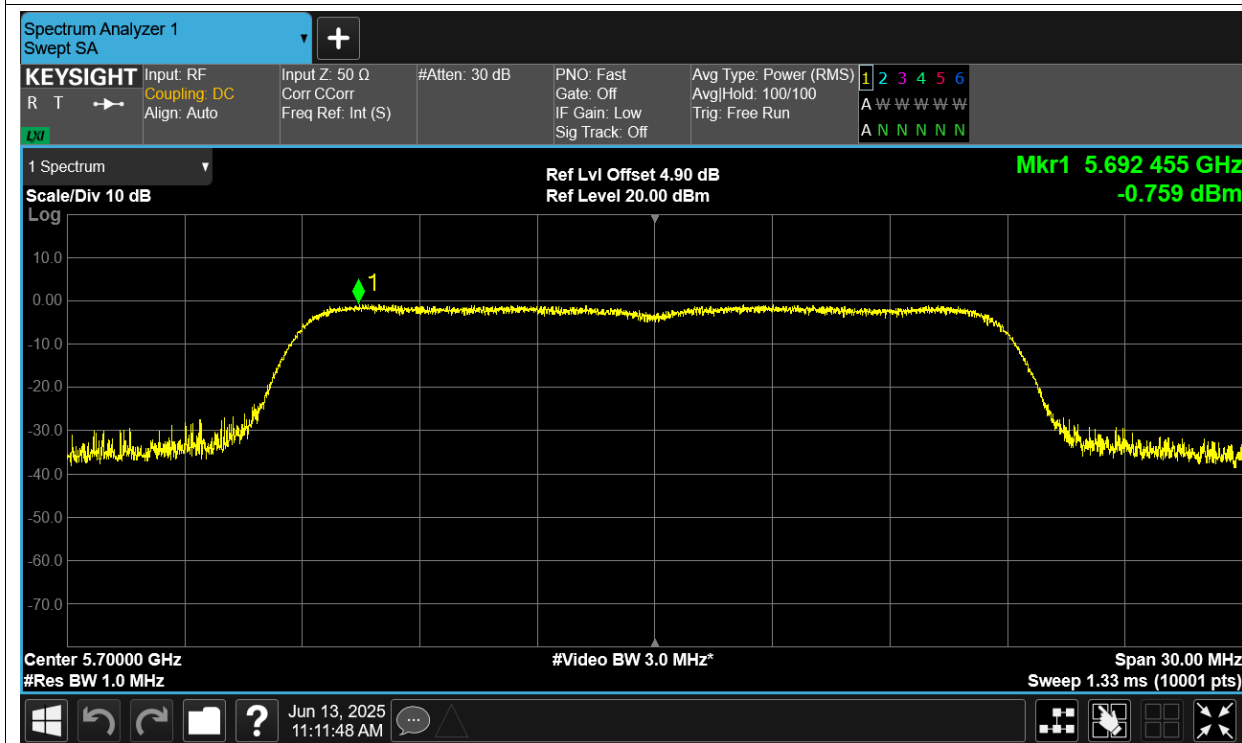
PSD NVNT n20 5500MHz Ant1



PSD NVNT n20 5600MHz Ant1

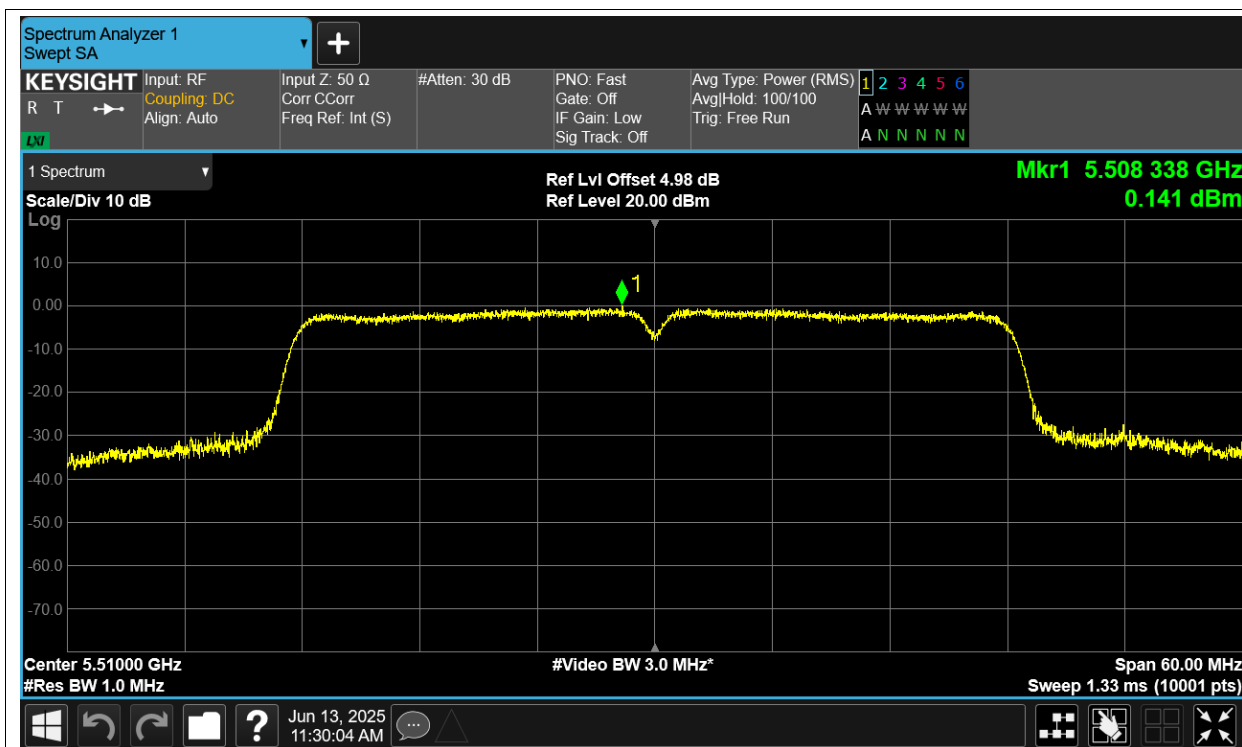


PSD NVNT n20 5700MHz Ant1

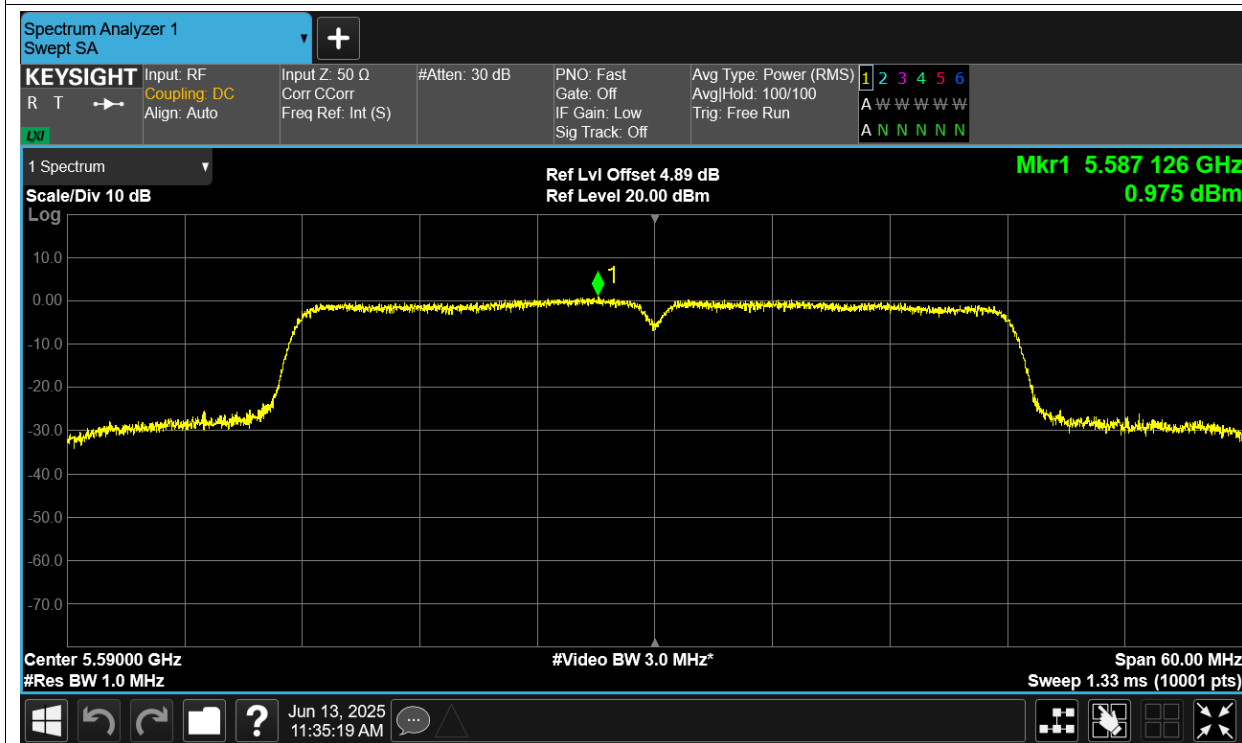


PSD NVNT n40 5510MHz Ant1





PSD NVNT n40 5590MHz Ant1



PSD NVNT n40 5670MHz Ant1

