

## Test Data

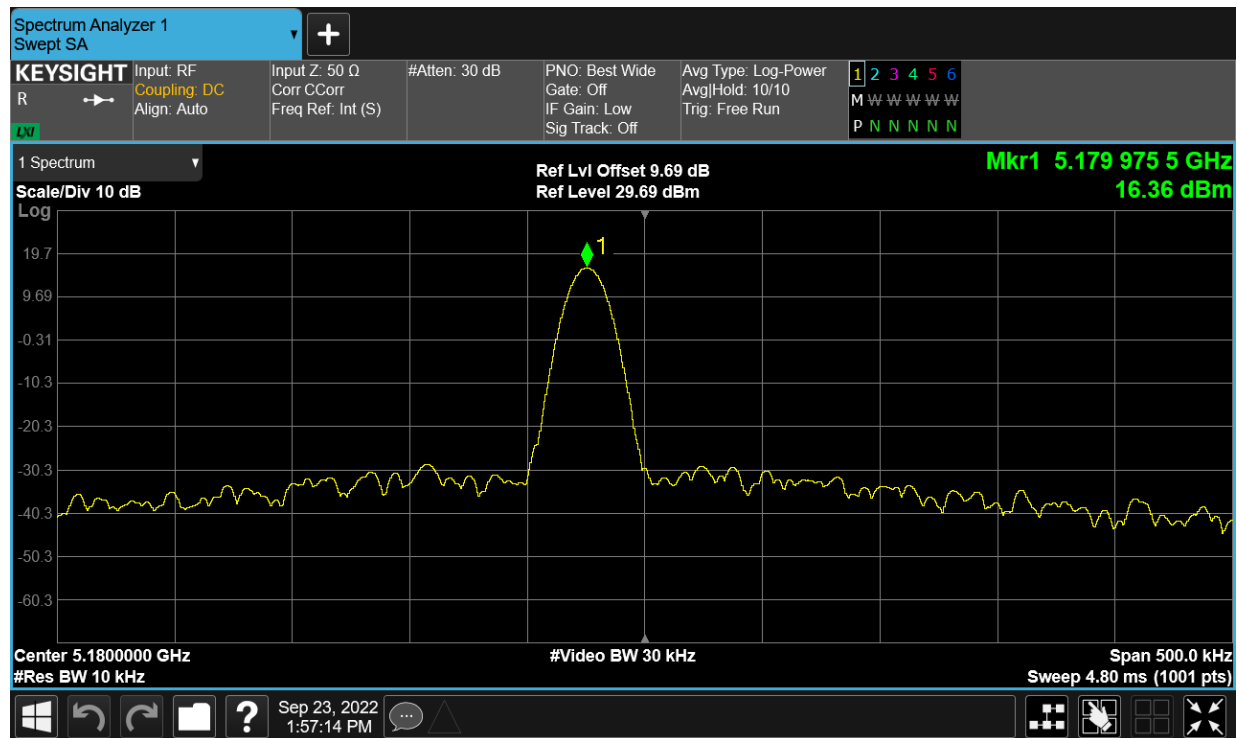
### Frequency Stability

| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Deviation (ppm) | Limit (ppm)            | Verdict |
|-----------|------|-----------------|---------|--------------------------|-----------------|------------------------|---------|
| HVNT      | a    | 5180            | Ant1    | 5179.9755                | -4.73           | Within authorized band | Pass    |
| HVNT      | a    | 5180            | Ant2    | 5179.975                 | -4.83           |                        | Pass    |
| LVNT      | a    | 5180            | Ant1    | 5179.9755                | -4.73           |                        | Pass    |
| LVNT      | a    | 5180            | Ant2    | 5179.9755                | -4.73           |                        | Pass    |
| NVHT      | a    | 5180            | Ant1    | 5179.9755                | -4.73           |                        | Pass    |
| NVHT      | a    | 5180            | Ant2    | 5179.9755                | -4.73           |                        | Pass    |
| NVLT      | a    | 5180            | Ant1    | 5179.9755                | -4.73           |                        | Pass    |
| NVLT      | a    | 5180            | Ant2    | 5179.9755                | -4.73           |                        | Pass    |
| NVNT      | a    | 5180            | Ant1    | 5179.977                 | -4.44           |                        | Pass    |
| NVNT      | a    | 5180            | Ant2    | 5179.9755                | -4.73           |                        | Pass    |
| HVNT      | ac20 | 5180            | Sum     | 5179.978                 | -4.25           |                        | Pass    |
| LVNT      | ac20 | 5180            | Sum     | 5179.978                 | -4.25           |                        | Pass    |
| NVHT      | ac20 | 5180            | Sum     | 5179.9785                | -4.15           |                        | Pass    |
| NVLT      | ac20 | 5180            | Sum     | 5179.979                 | -4.05           |                        | Pass    |
| NVNT      | ac20 | 5180            | Sum     | 5179.9815                | -3.57           |                        | Pass    |
| HVNT      | ac40 | 5190            | Sum     | 5189.978                 | -4.24           |                        | Pass    |
| LVNT      | ac40 | 5190            | Sum     | 5189.978                 | -4.24           |                        | Pass    |
| NVHT      | ac40 | 5190            | Sum     | 5189.9785                | -4.14           |                        | Pass    |
| NVLT      | ac40 | 5190            | Sum     | 5189.9785                | -4.14           |                        | Pass    |
| NVNT      | ac40 | 5190            | Sum     | 5189.9785                | -4.14           |                        | Pass    |
| HVNT      | ac80 | 5210            | Sum     | 5209.9795                | -3.93           |                        | Pass    |
| LVNT      | ac80 | 5210            | Sum     | 5209.9795                | -3.93           |                        | Pass    |
| NVHT      | ac80 | 5210            | Sum     | 5209.9805                | -3.74           |                        | Pass    |
| NVLT      | ac80 | 5210            | Sum     | 5209.981                 | -3.65           |                        | Pass    |
| NVNT      | ac80 | 5210            | Sum     | 5209.983                 | -3.26           |                        | Pass    |
| HVNT      | n20  | 5180            | Sum     | 5179.9785                | -4.15           |                        | Pass    |
| LVNT      | n20  | 5180            | Sum     | 5179.979                 | -4.05           |                        | Pass    |
| NVHT      | n20  | 5180            | Sum     | 5179.979                 | -4.05           |                        | Pass    |
| NVLT      | n20  | 5180            | Sum     | 5179.98                  | -3.86           |                        | Pass    |
| NVNT      | n20  | 5180            | Sum     | 5179.9805                | -3.76           |                        | Pass    |
| HVNT      | n40  | 5190            | Sum     | 5189.9795                | -3.95           |                        | Pass    |
| LVNT      | n40  | 5190            | Sum     | 5189.9795                | -3.95           |                        | Pass    |
| NVHT      | n40  | 5190            | Sum     | 5189.98                  | -3.85           |                        | Pass    |
| NVLT      | n40  | 5190            | Sum     | 5189.9805                | -3.76           |                        | Pass    |
| NVNT      | n40  | 5190            | Sum     | 5189.982                 | -3.47           |                        | Pass    |

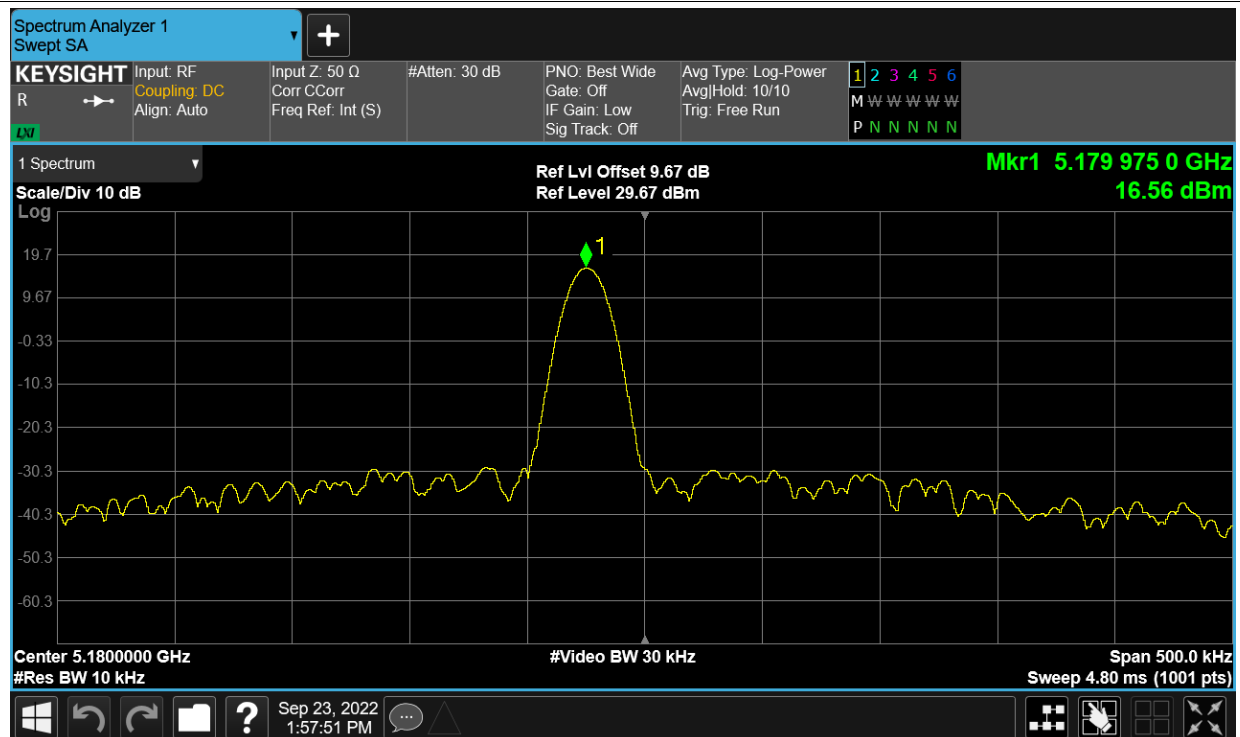
Remark: "NTNV" means Normal Temperature Normal Voltage, "NVHT" means Normal Voltage High Temperature, "NVLT" means Normal Voltage Low Temperature, "LVNT" means Low Voltage Normal Temperature, "HVNT" means High Voltage Normal Temperature.

Test Graphs

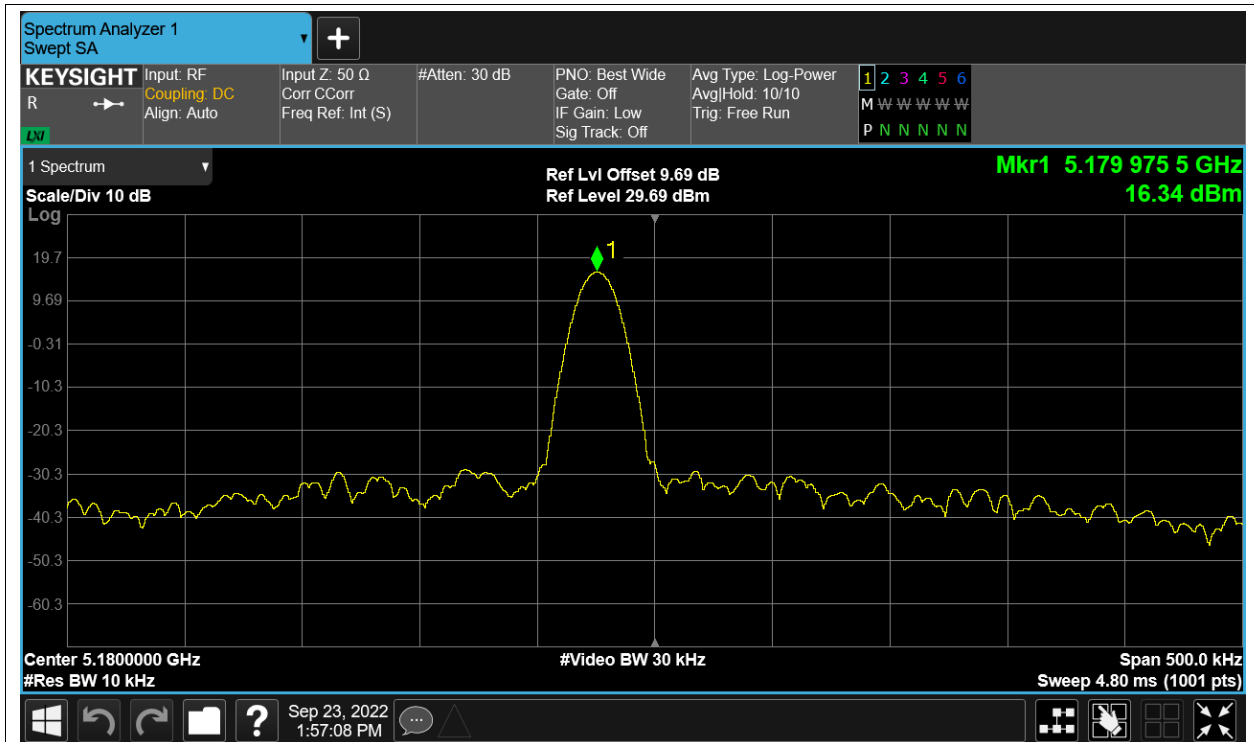
Freq. Stability HVNT a 5180MHz Ant1



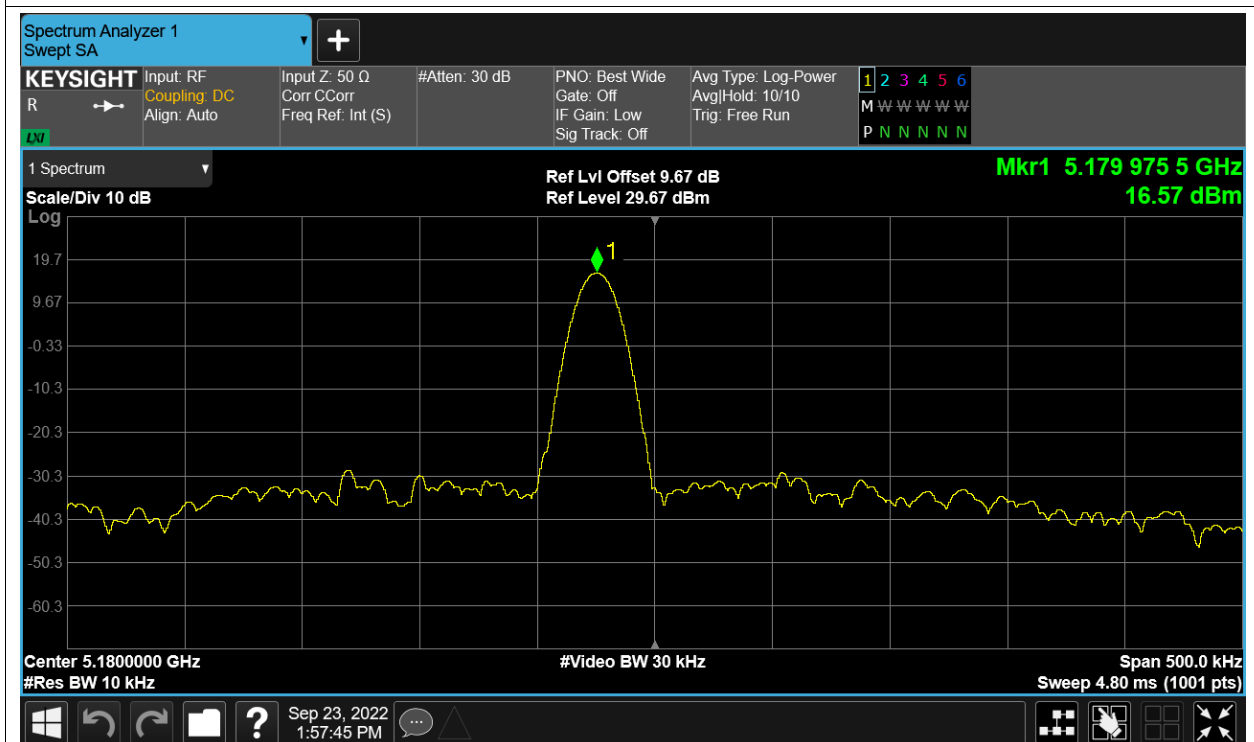
Freq. Stability HVNT a 5180MHz Ant2



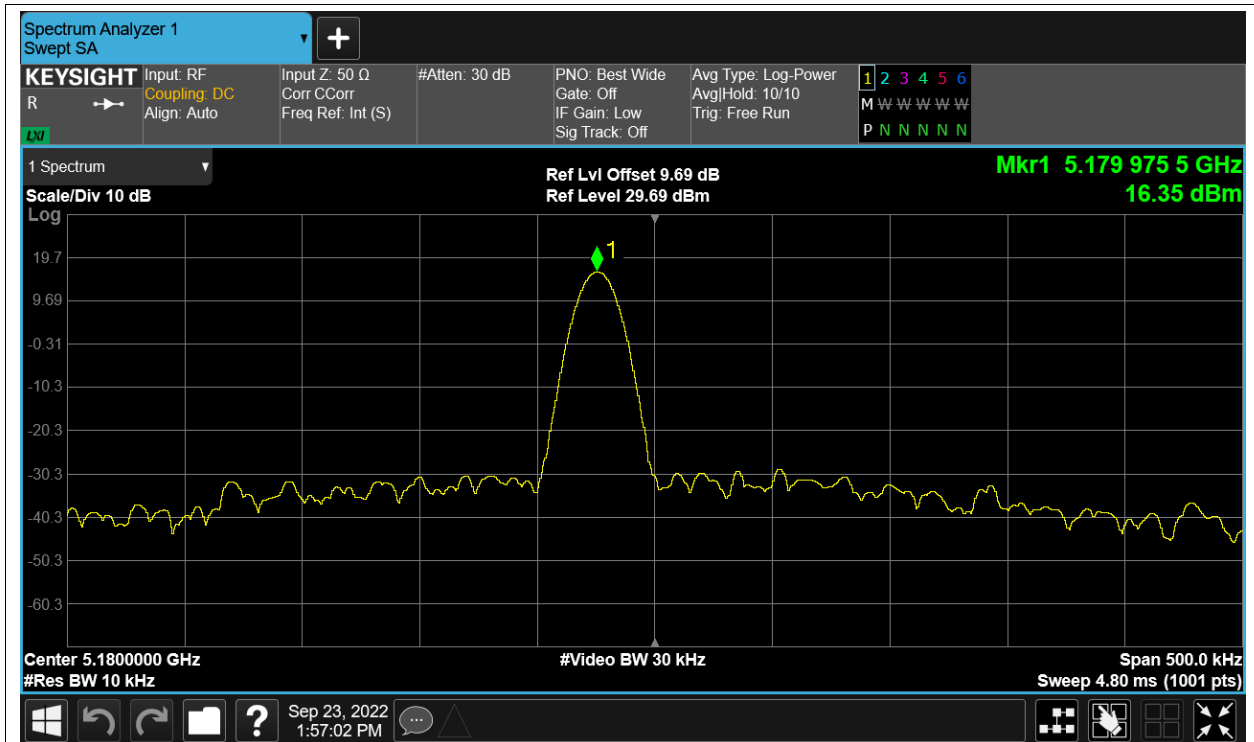
Freq. Stability LVNT a 5180MHz Ant1



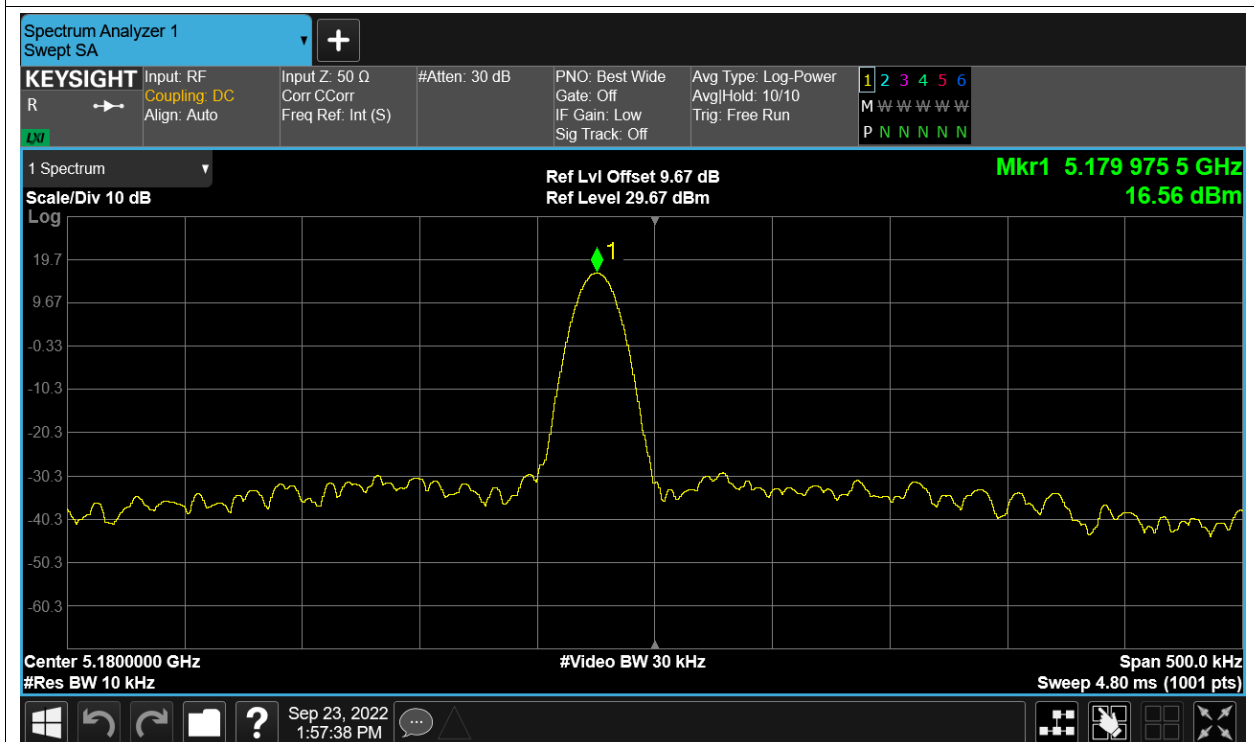
Freq. Stability LVNT a 5180MHz Ant2



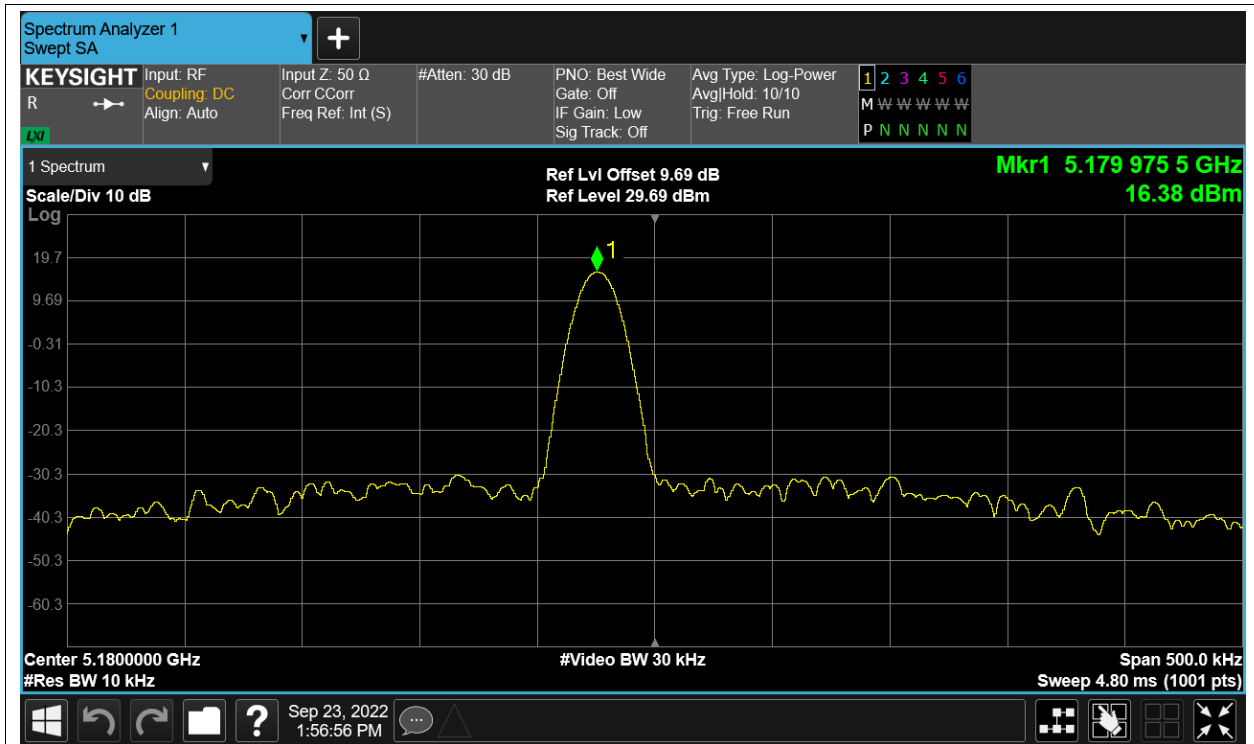
Freq. Stability NVHT a 5180MHz Ant1



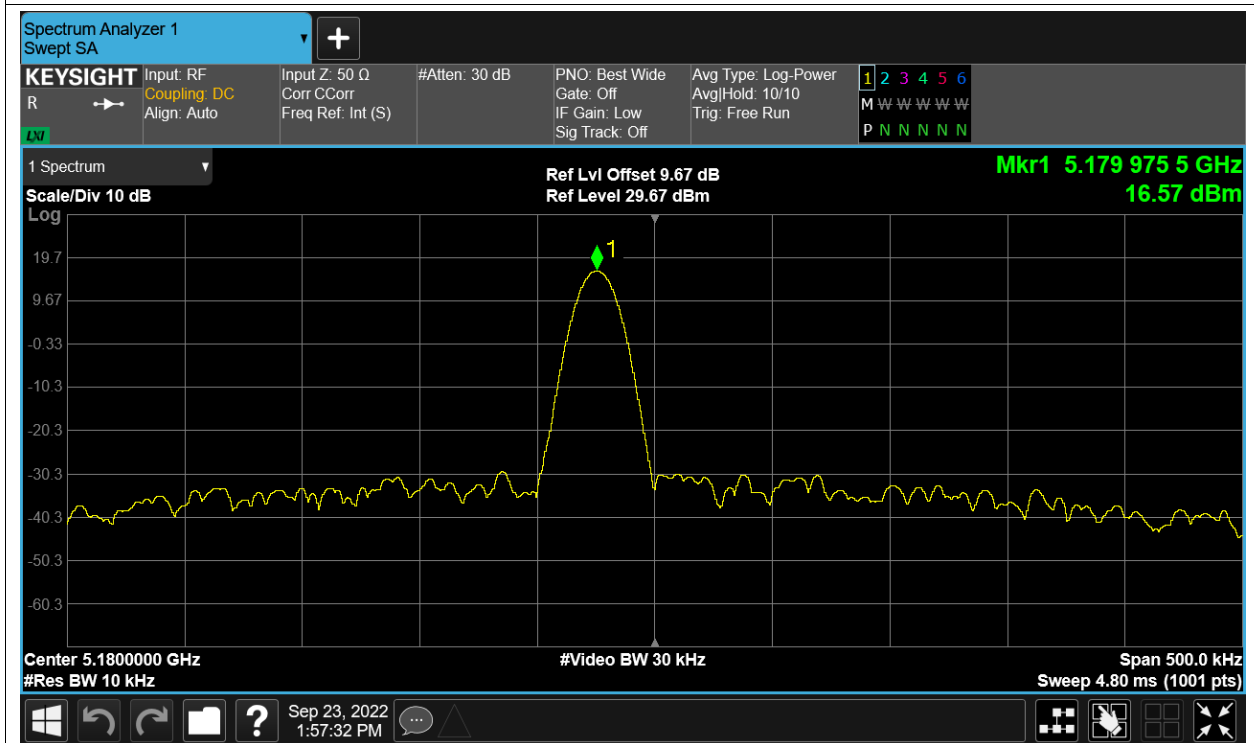
Freq. Stability NVHT a 5180MHz Ant2



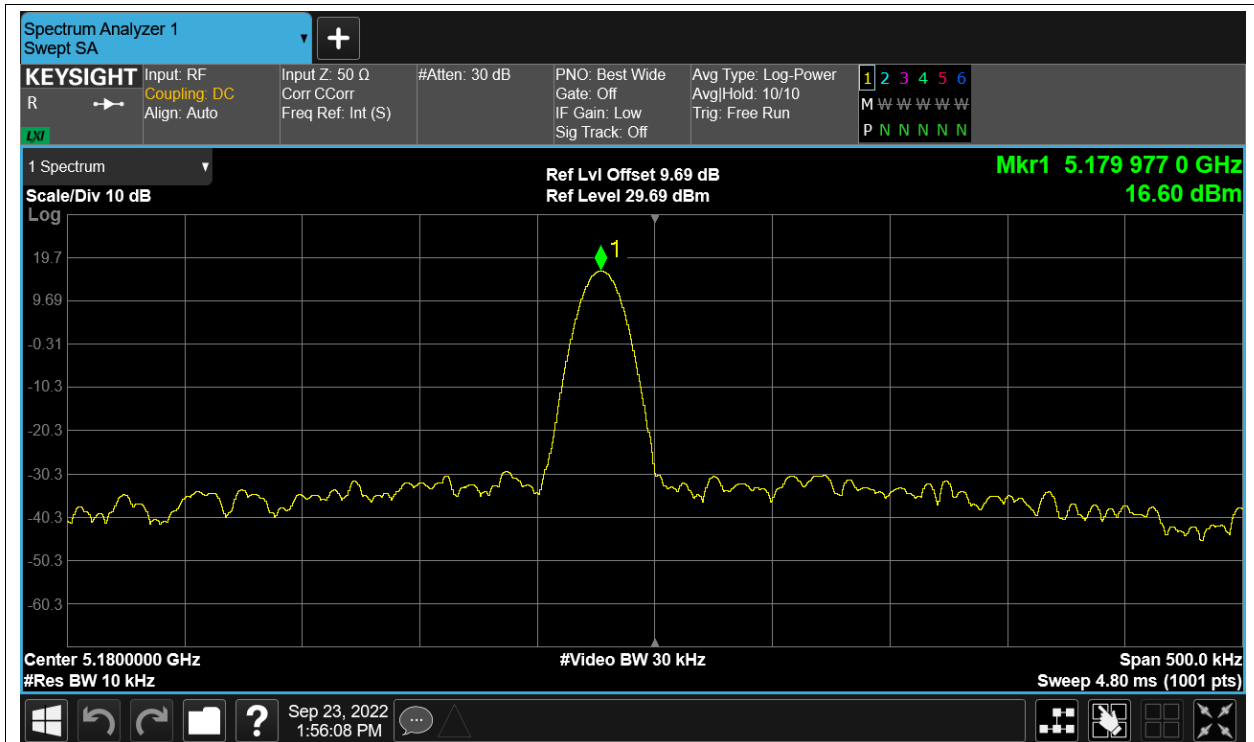
Freq. Stability NVLT a 5180MHz Ant1



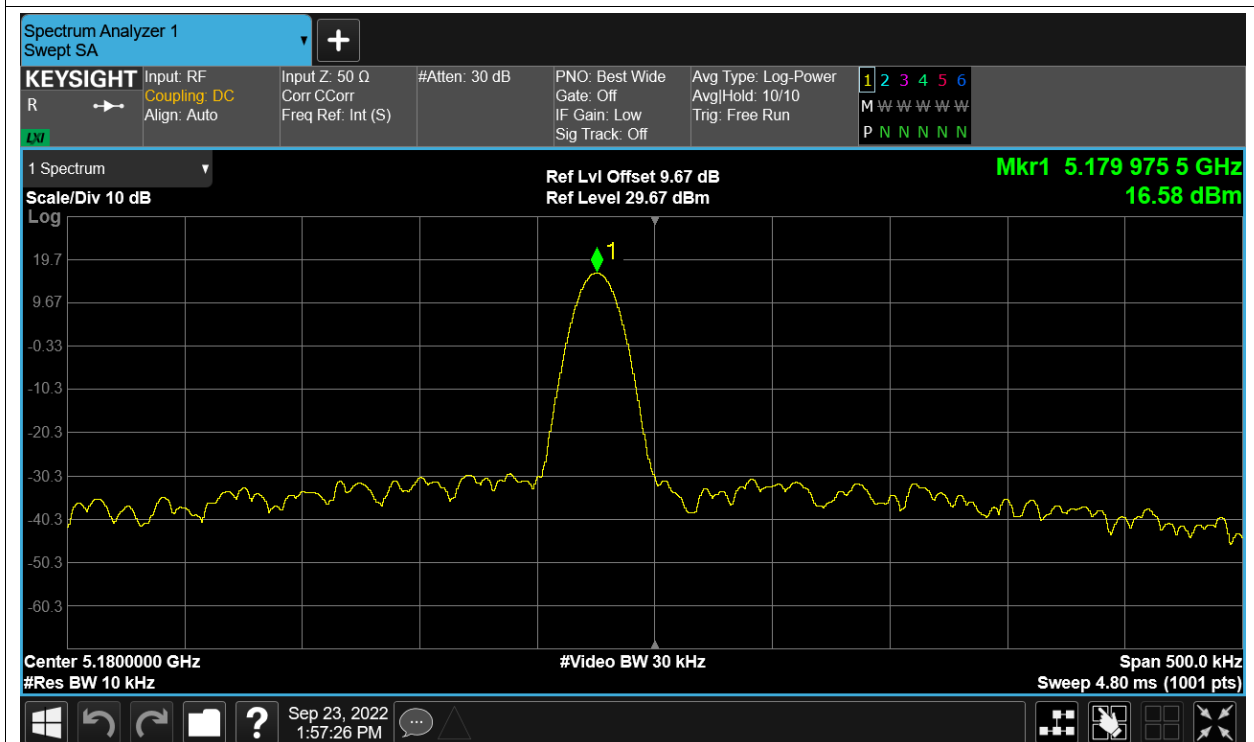
Freq. Stability NVLT a 5180MHz Ant2



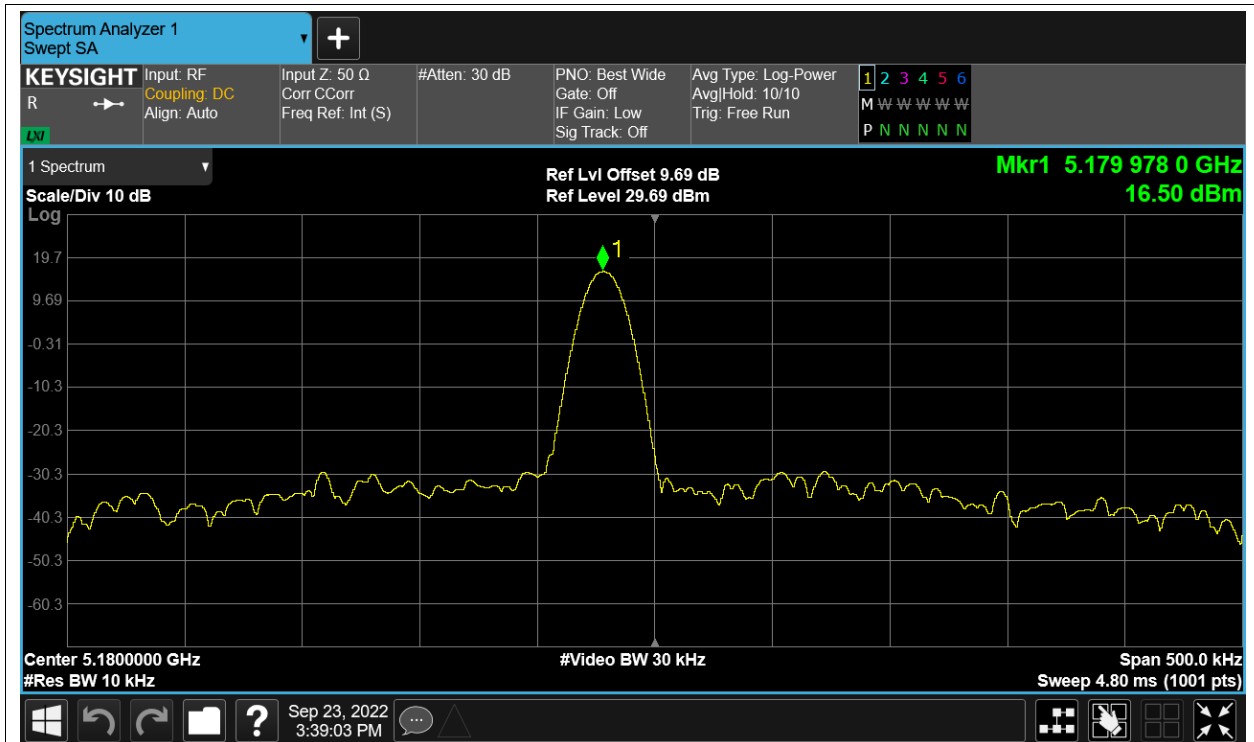
Freq. Stability NVNT a 5180MHz Ant1



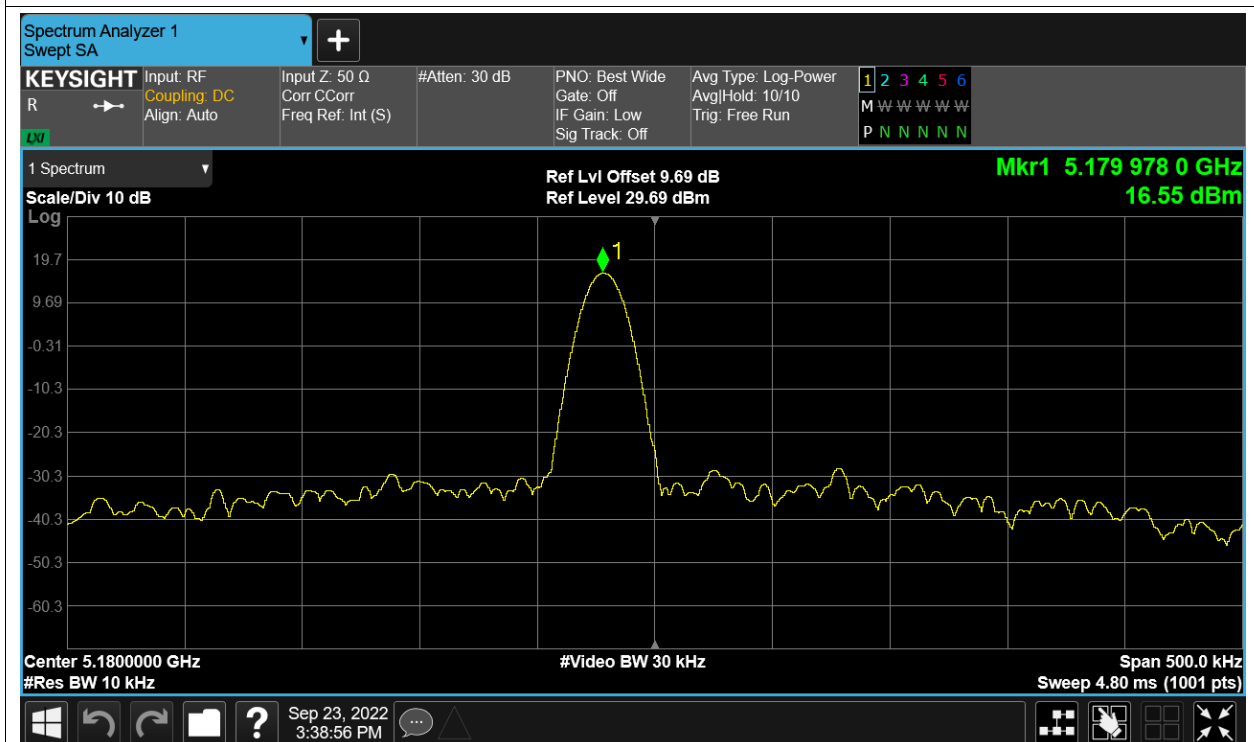
Freq. Stability NVNT a 5180MHz Ant2



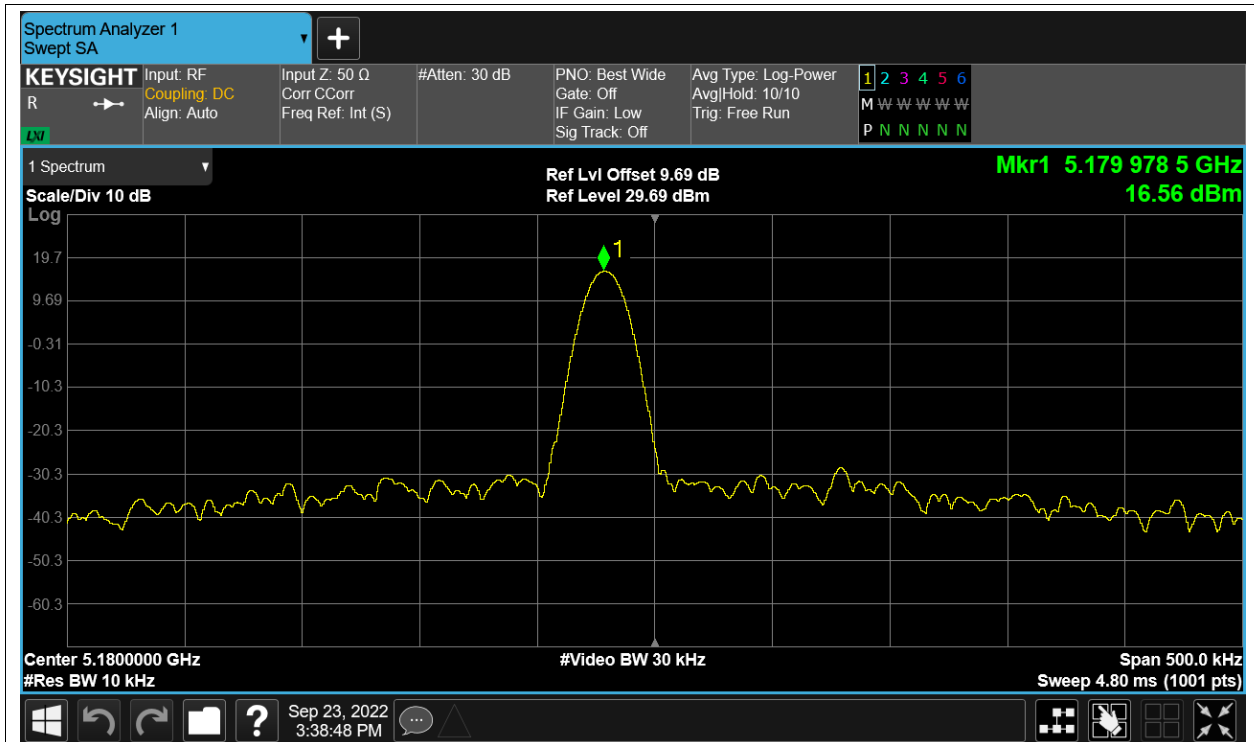
Freq. Stability HVNT ac20 5180MHz Sum



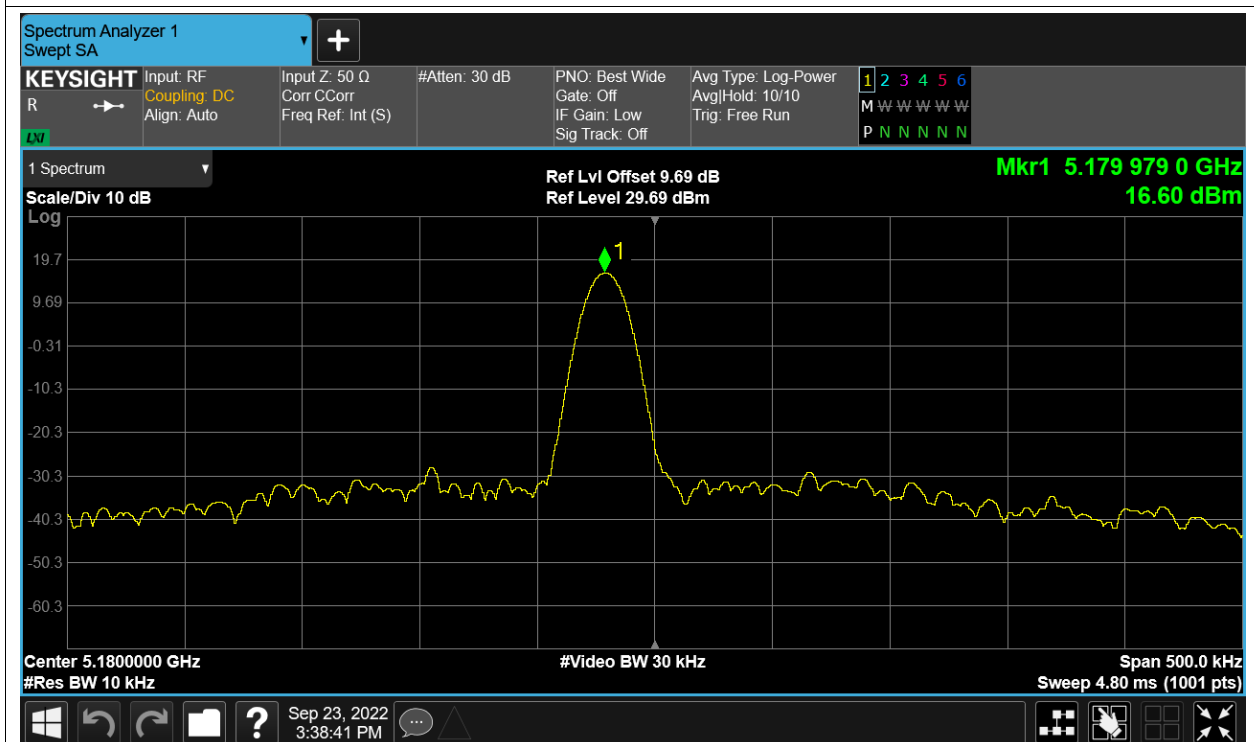
Freq. Stability LVNT ac20 5180MHz Sum



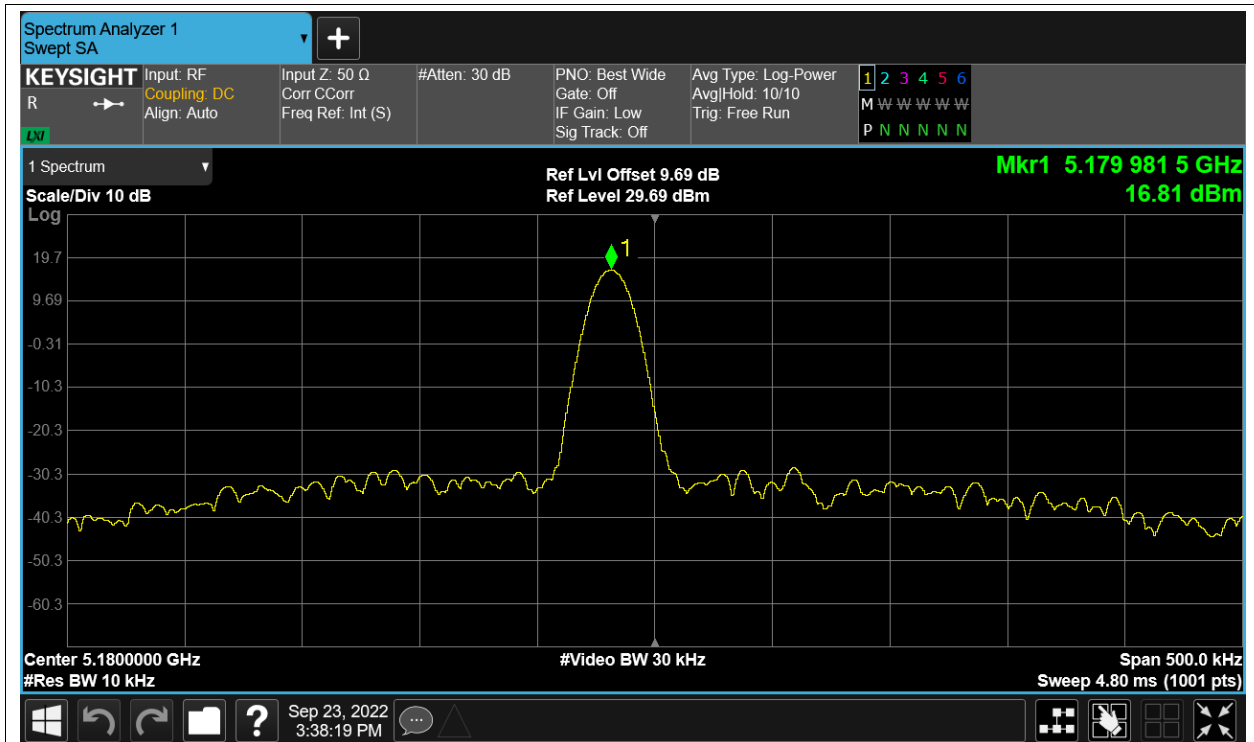
Freq. Stability NVHT ac20 5180MHz Sum



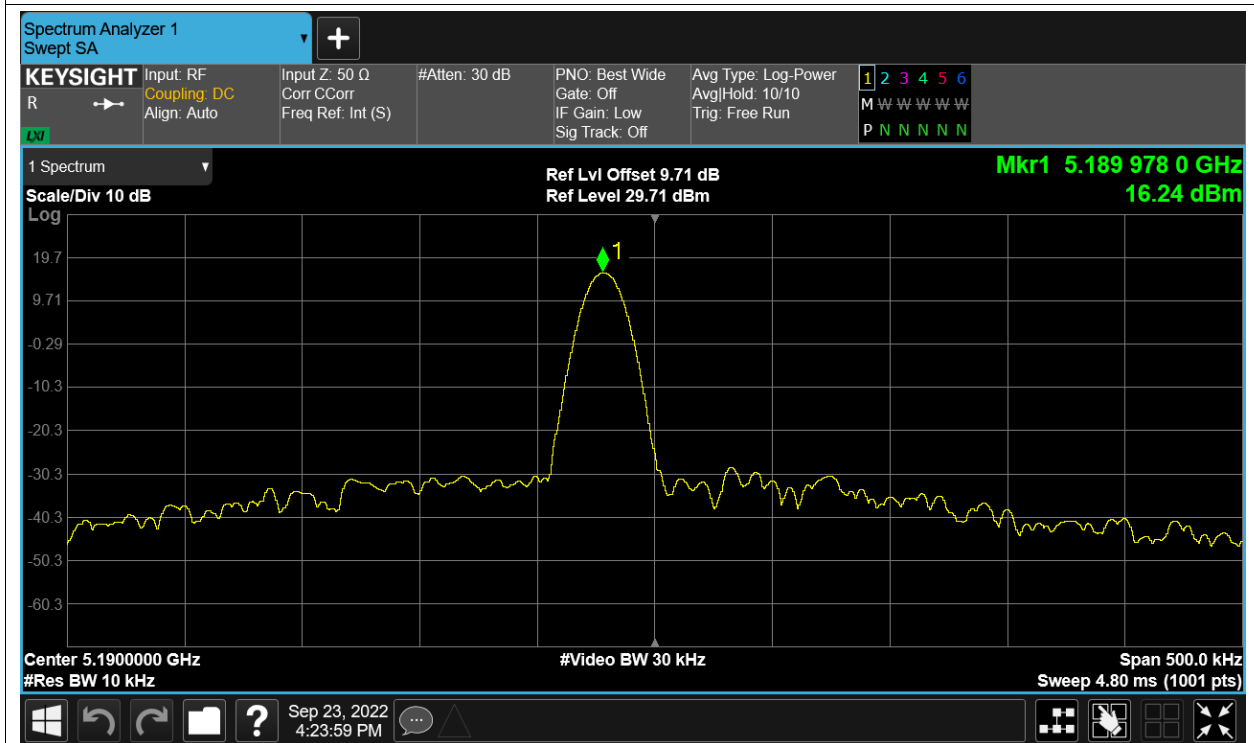
Freq. Stability NVLT ac20 5180MHz Sum



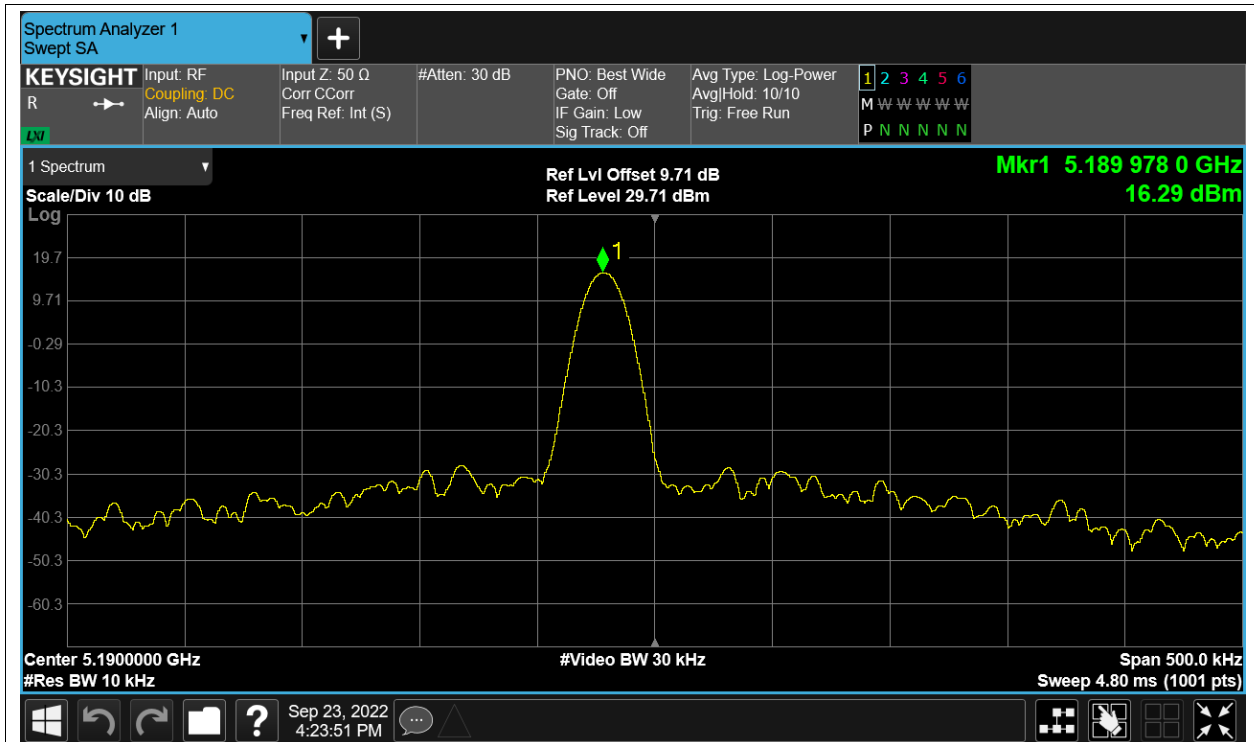
Freq. Stability NVNT ac20 5180MHz Sum



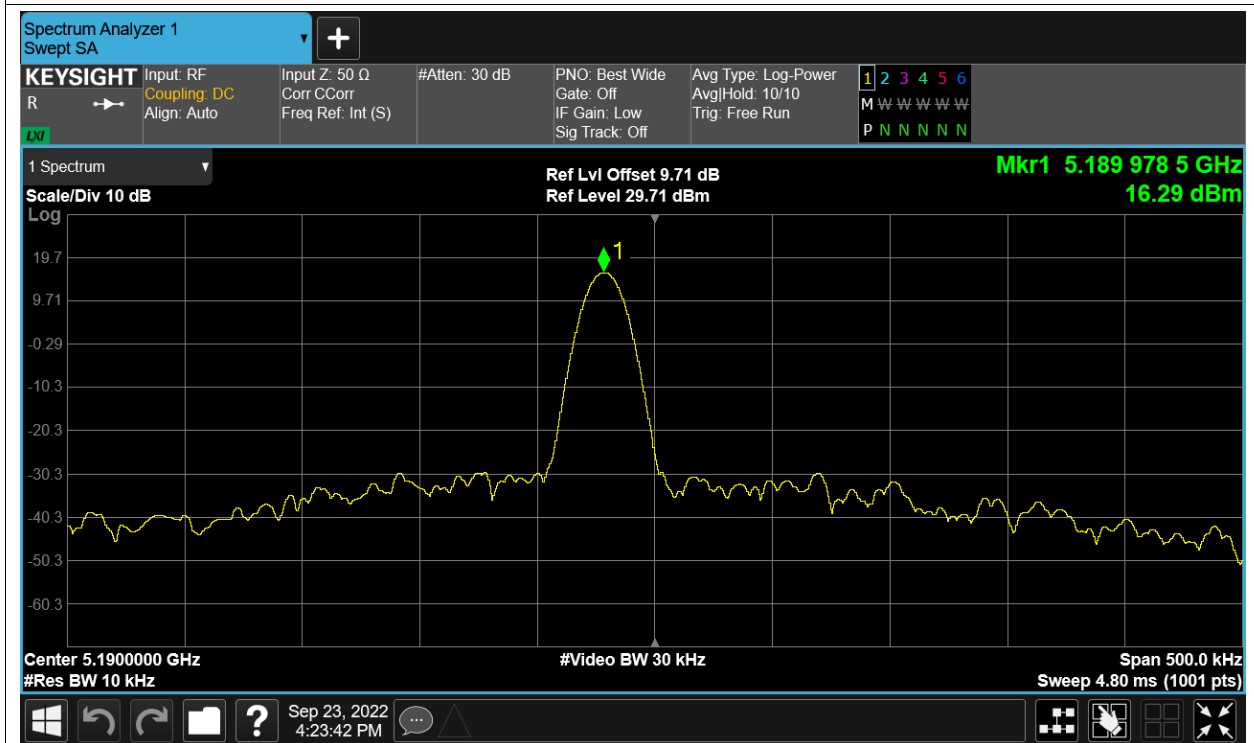
Freq. Stability HVNT ac40 5190MHz Sum



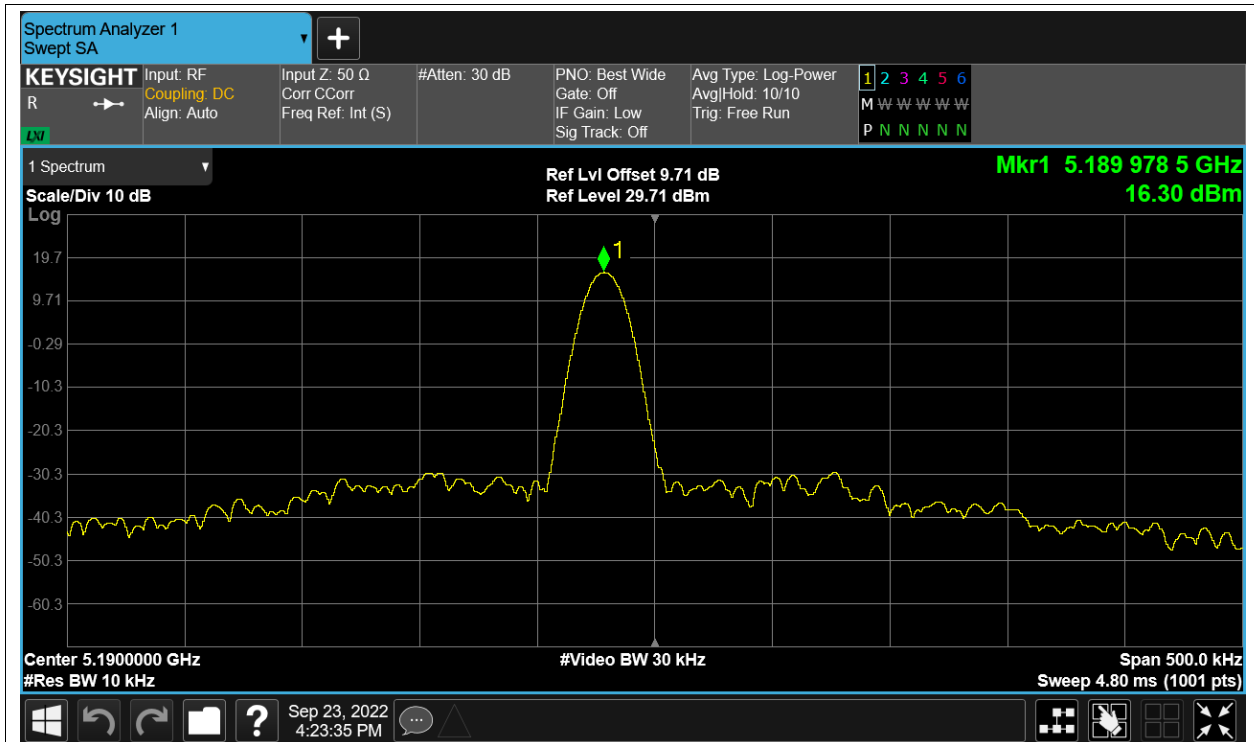
Freq. Stability LVNT ac40 5190MHz Sum



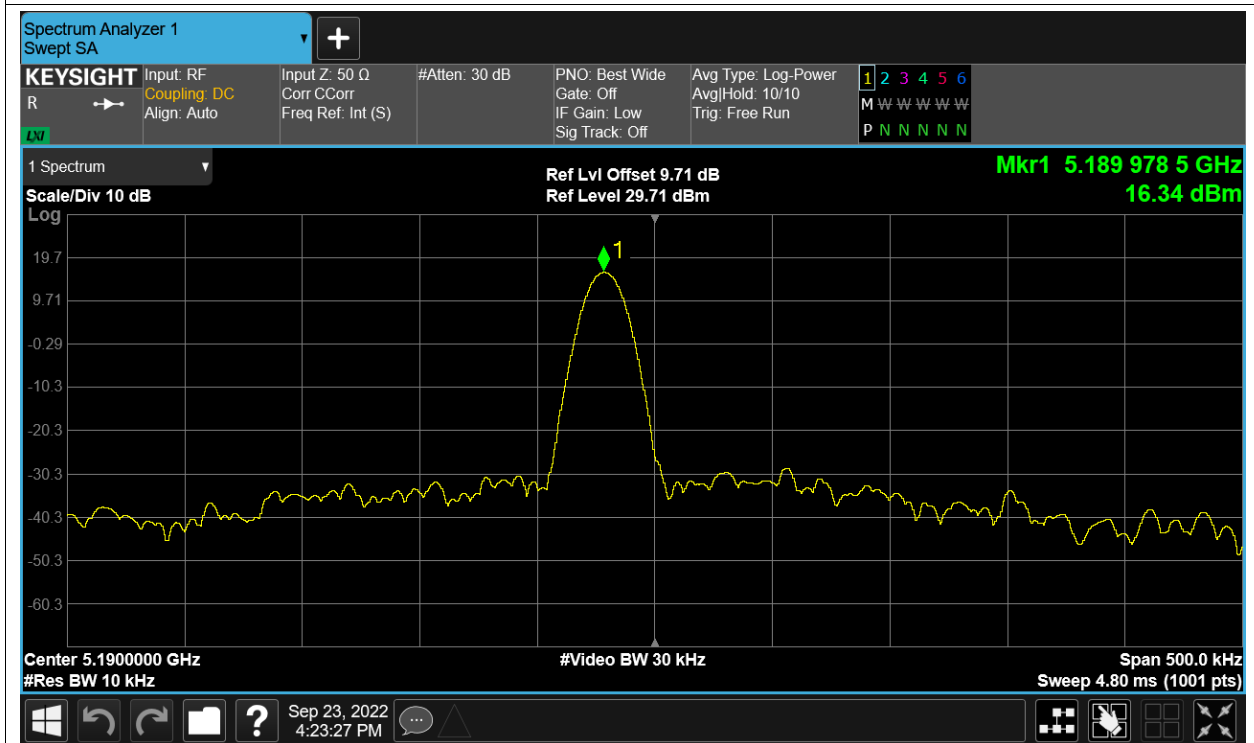
Freq. Stability NVHT ac40 5190MHz Sum



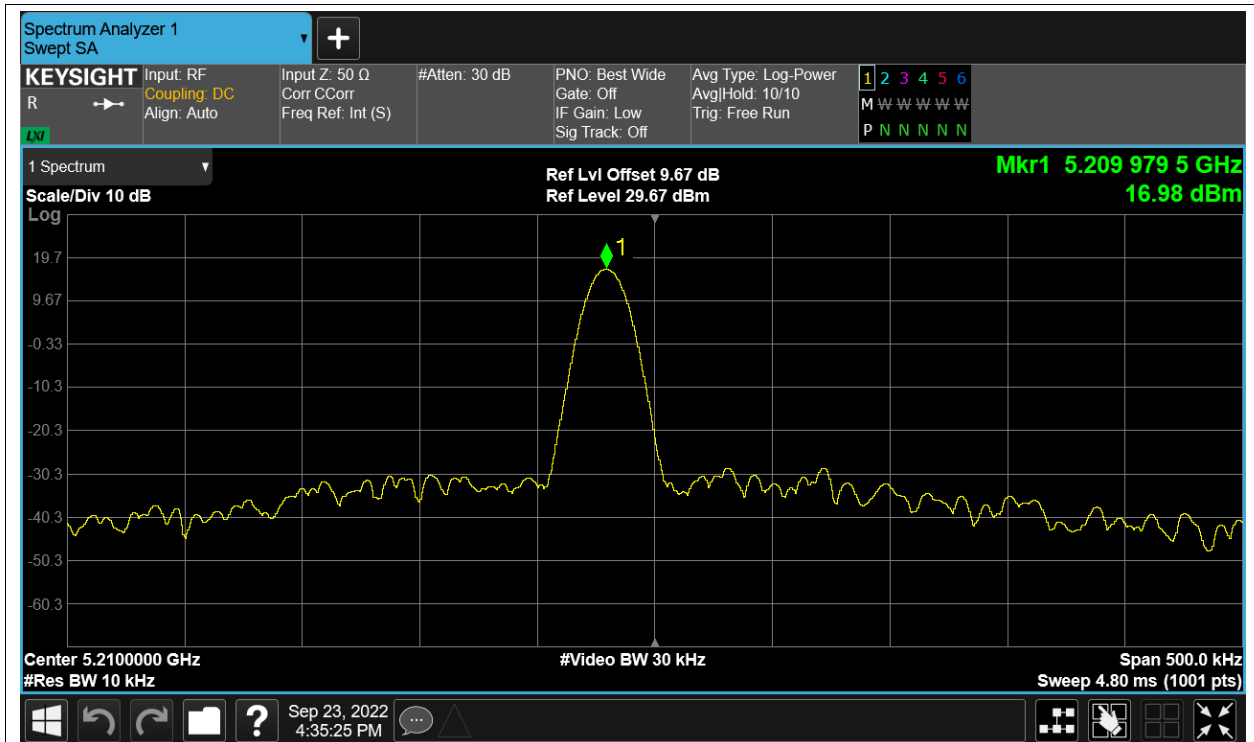
Freq. Stability NVLT ac40 5190MHz Sum



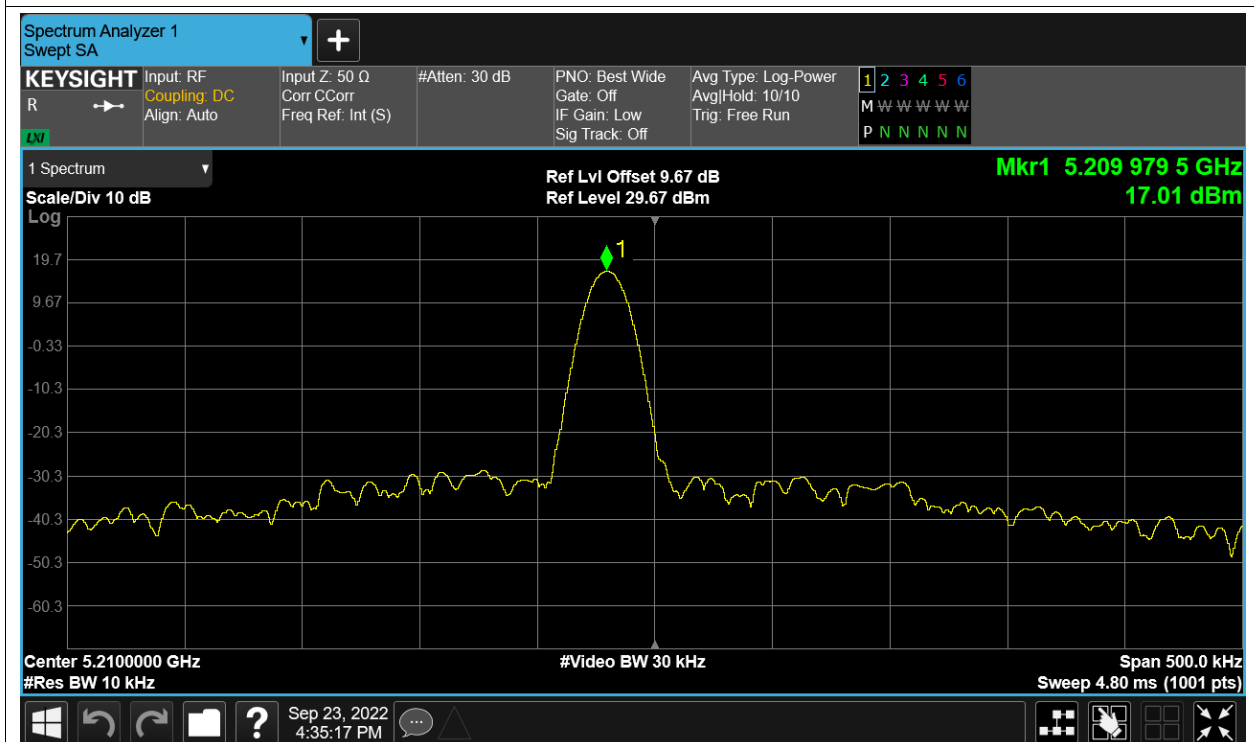
Freq. Stability NVNT ac40 5190MHz Sum



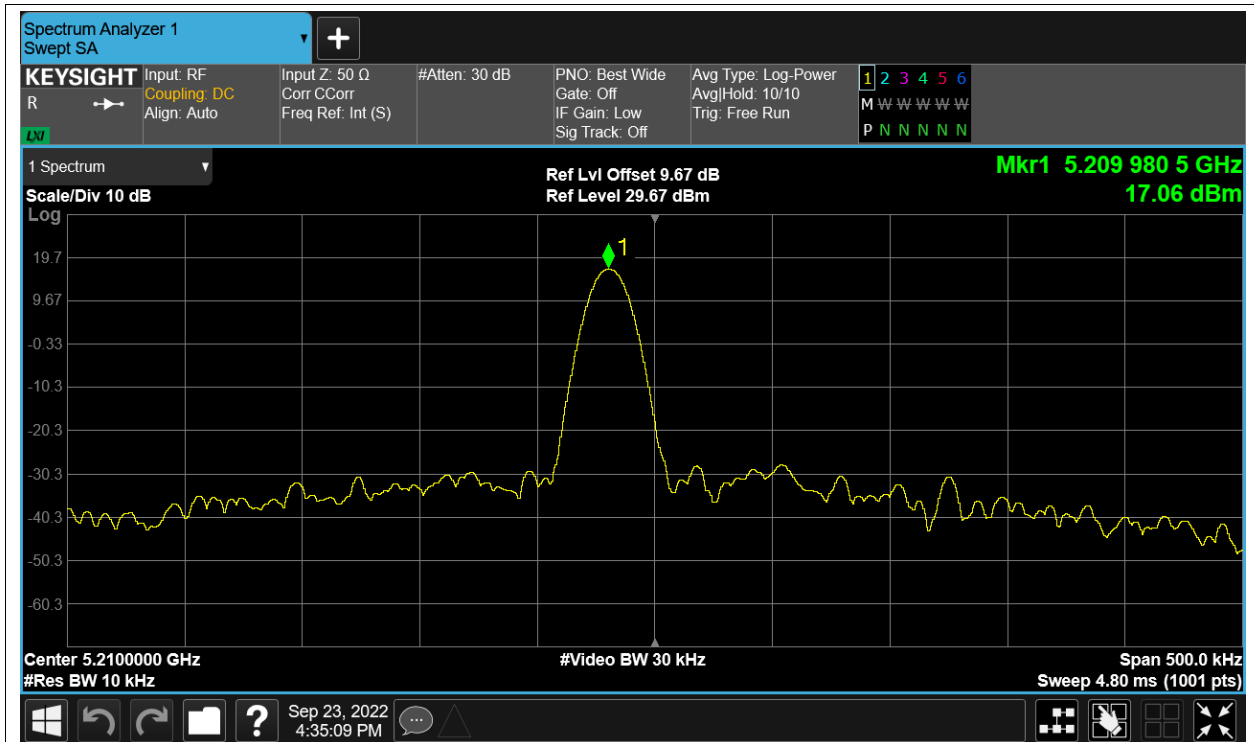
Freq. Stability HVNT ac80 5210MHz Sum



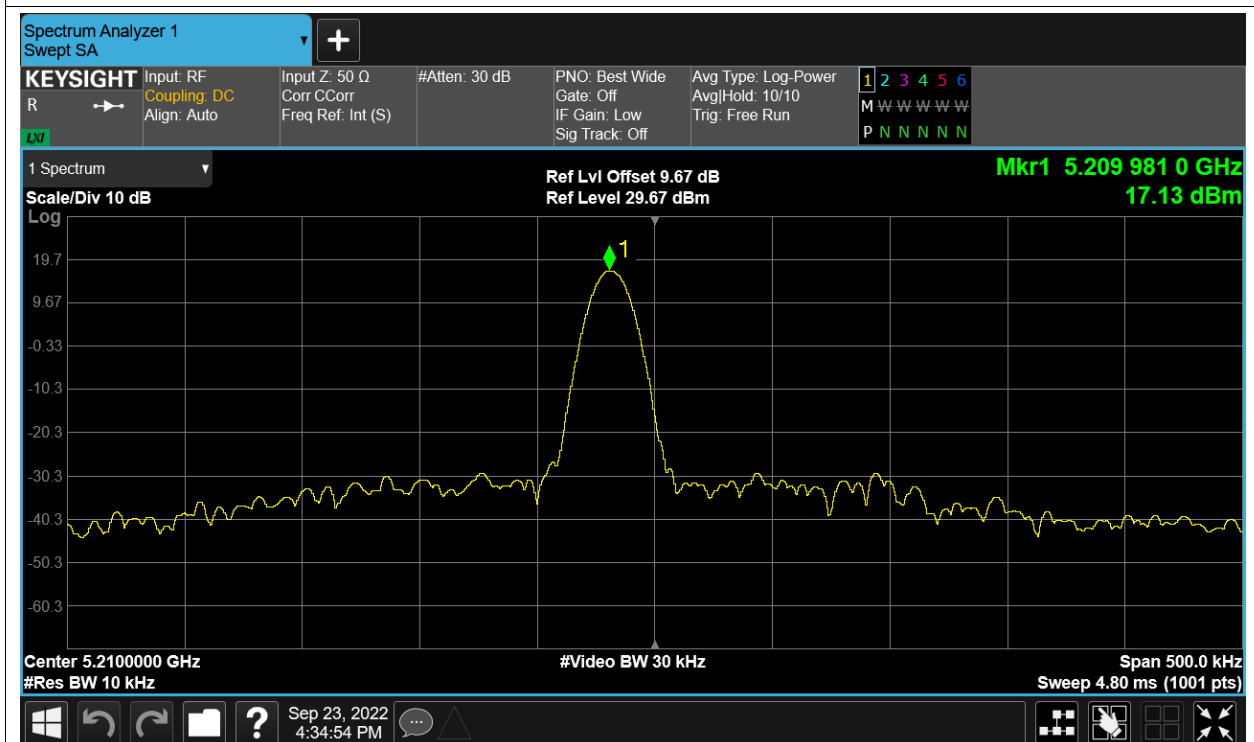
Freq. Stability LVNT ac80 5210MHz Sum



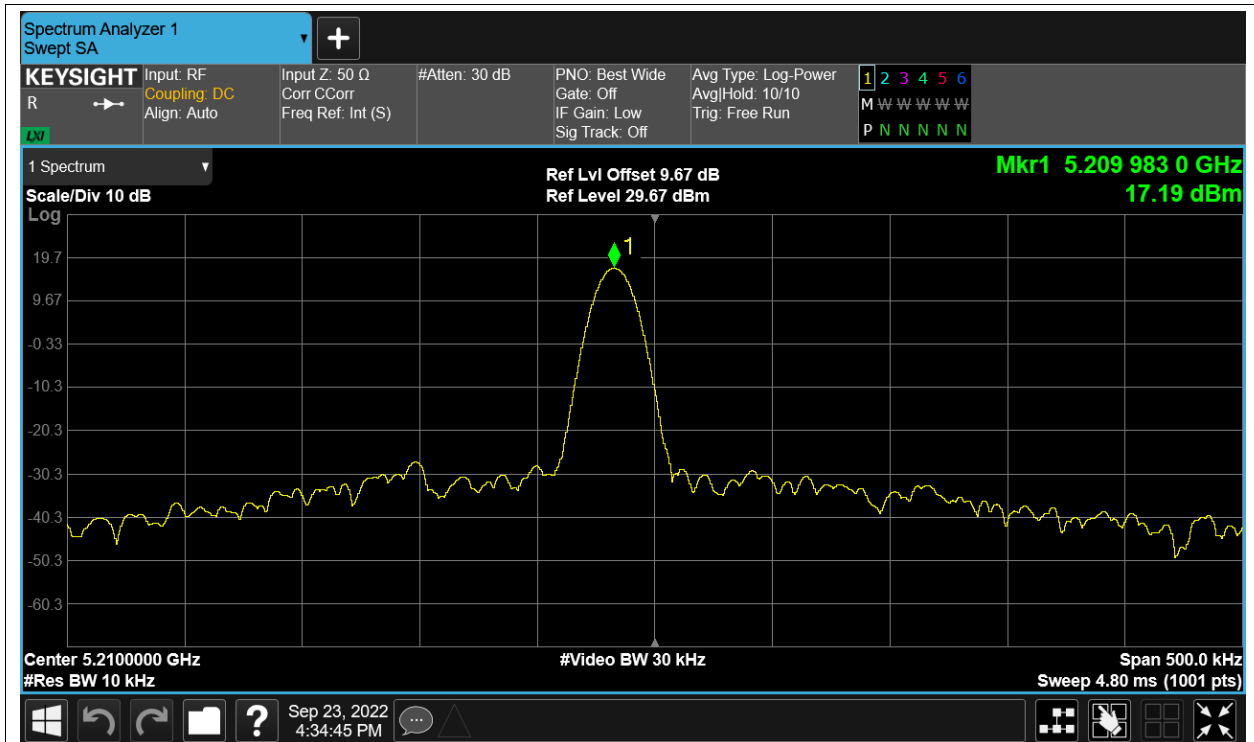
Freq. Stability NVHT ac80 5210MHz Sum



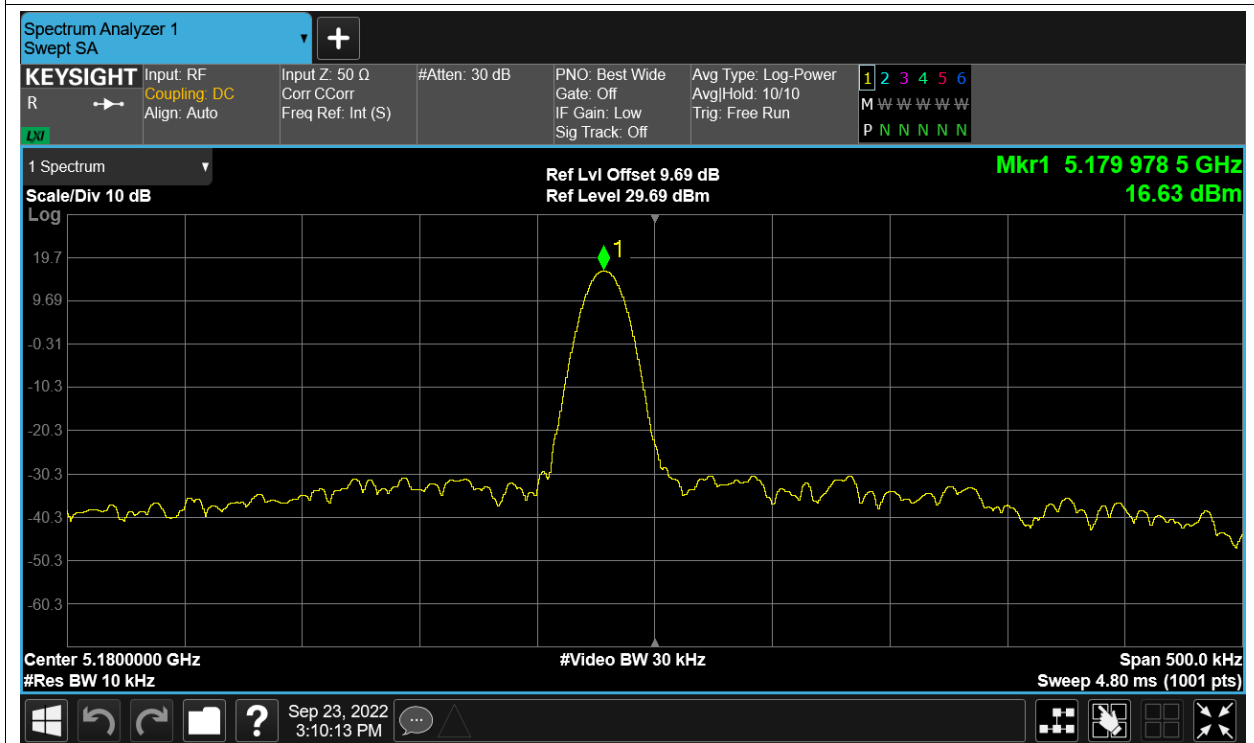
Freq. Stability NVLT ac80 5210MHz Sum



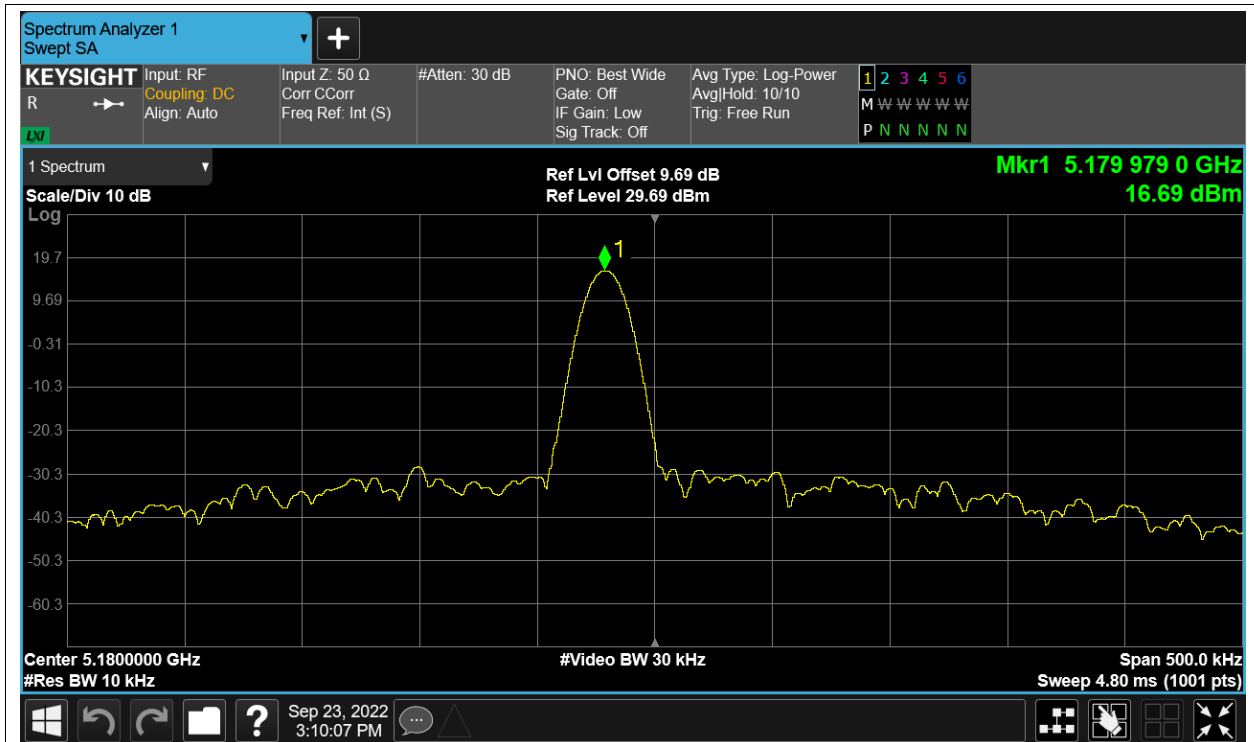
Freq. Stability NVNT ac80 5210MHz Sum



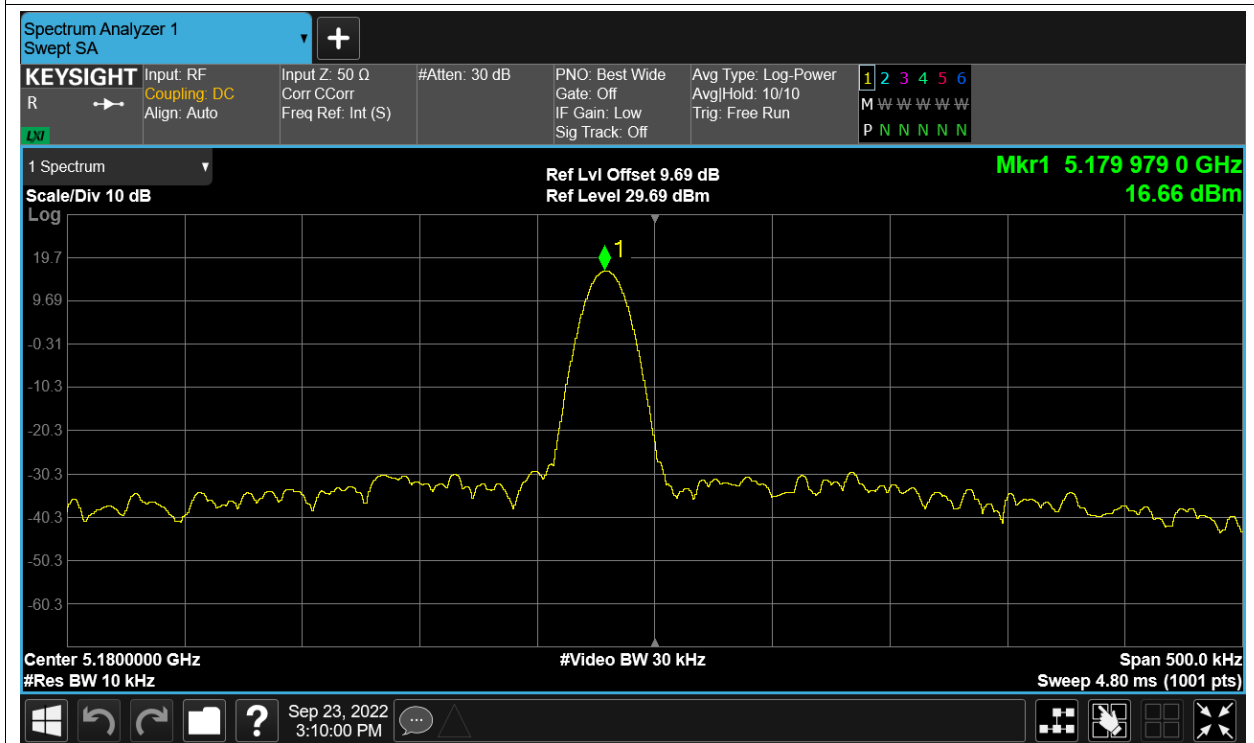
Freq. Stability HVNT n20 5180MHz Sum



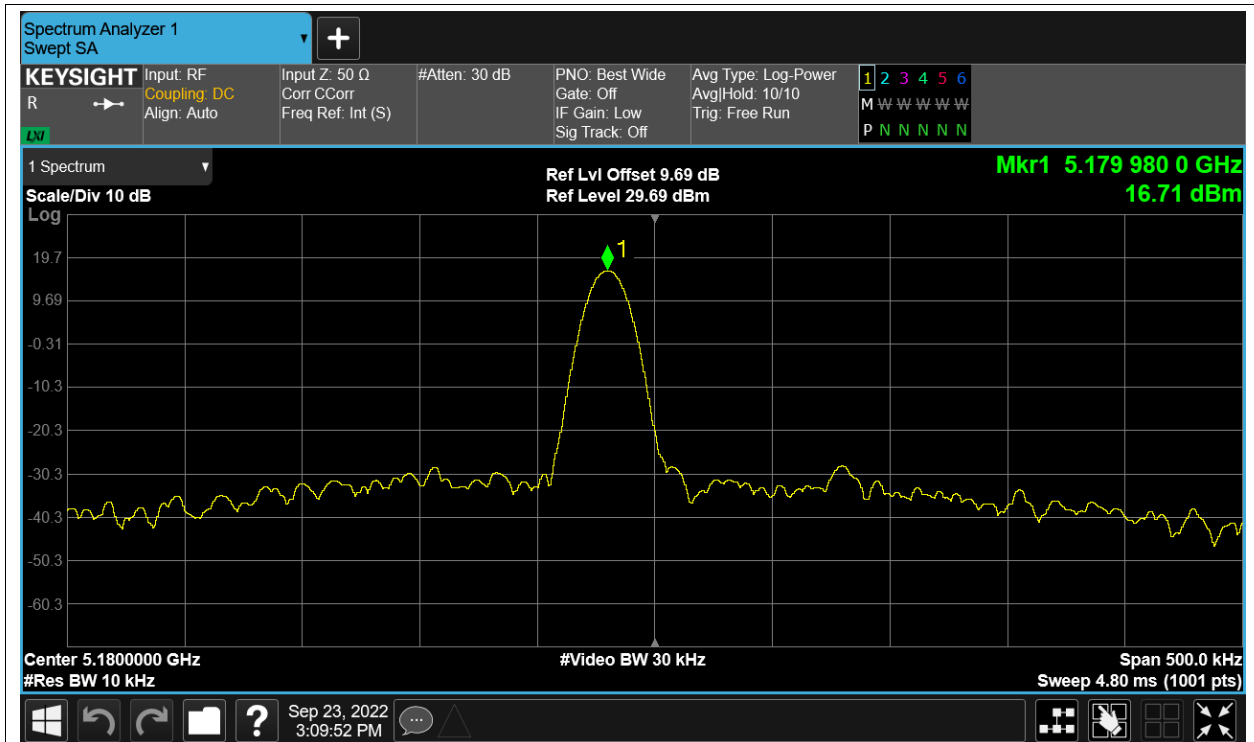
Freq. Stability LVNT n20 5180MHz Sum



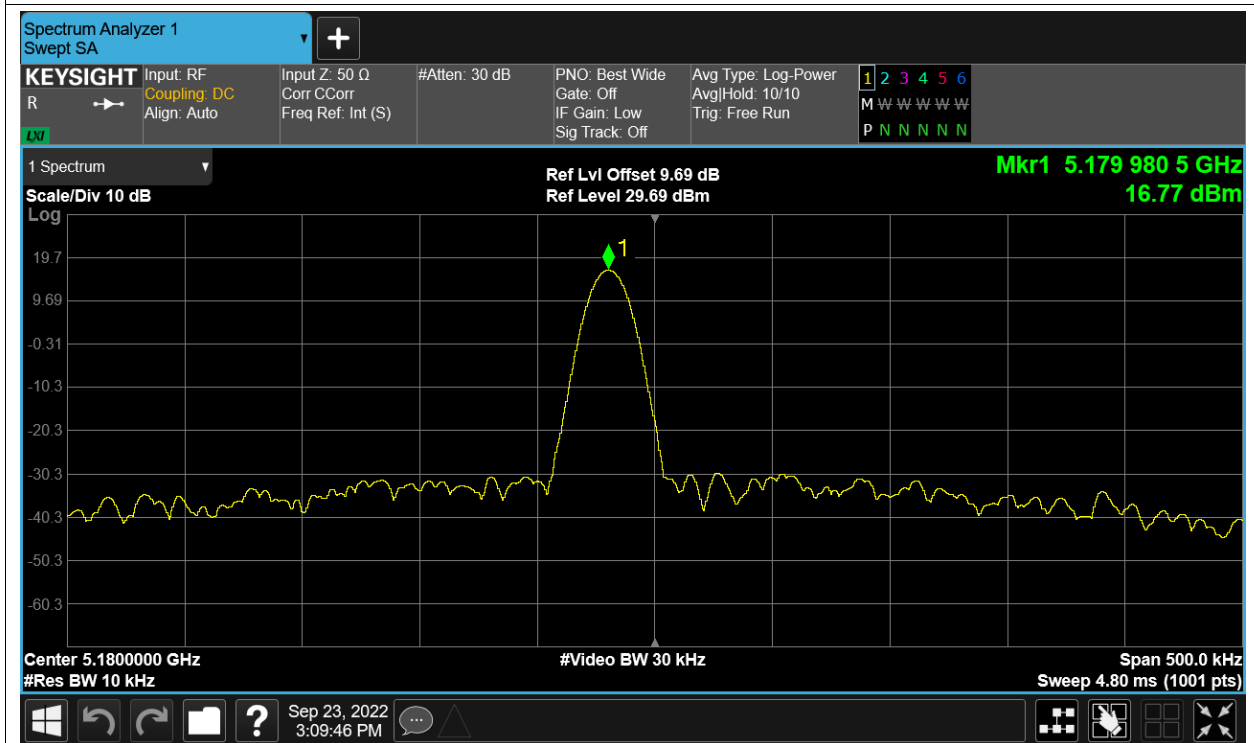
Freq. Stability NVHT n20 5180MHz Sum



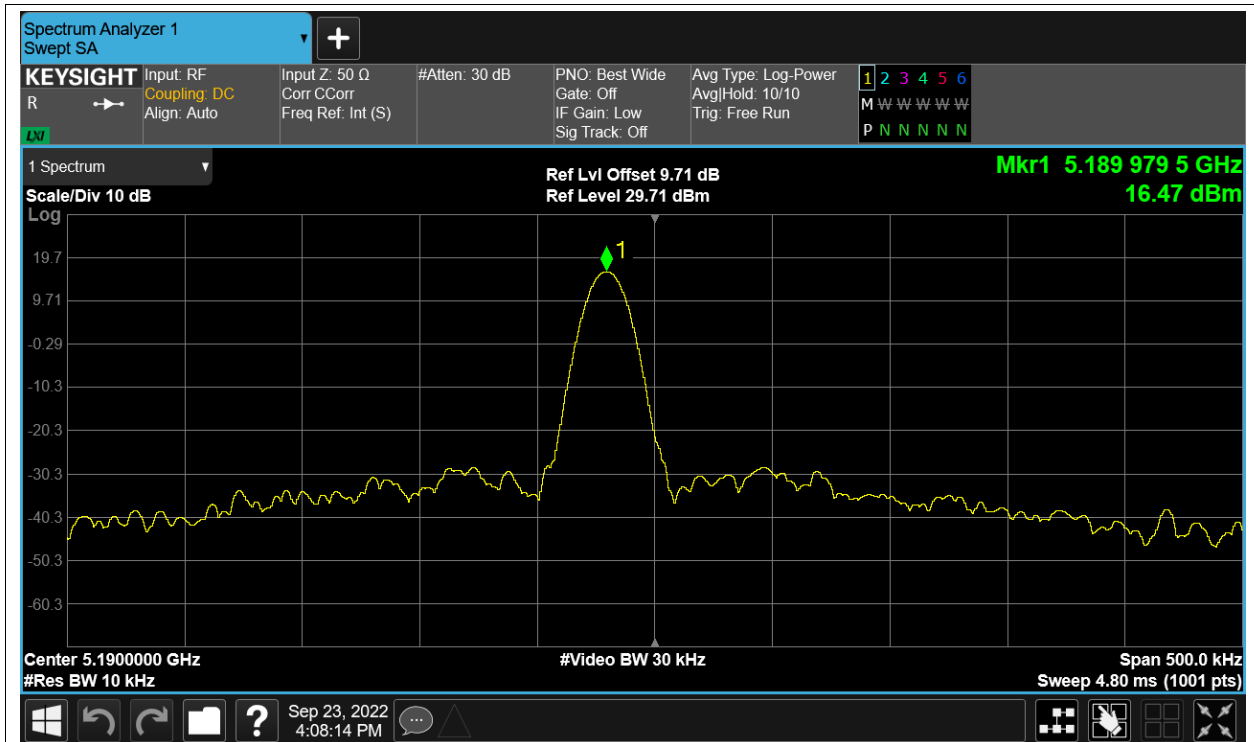
Freq. Stability NVLT n20 5180MHz Sum



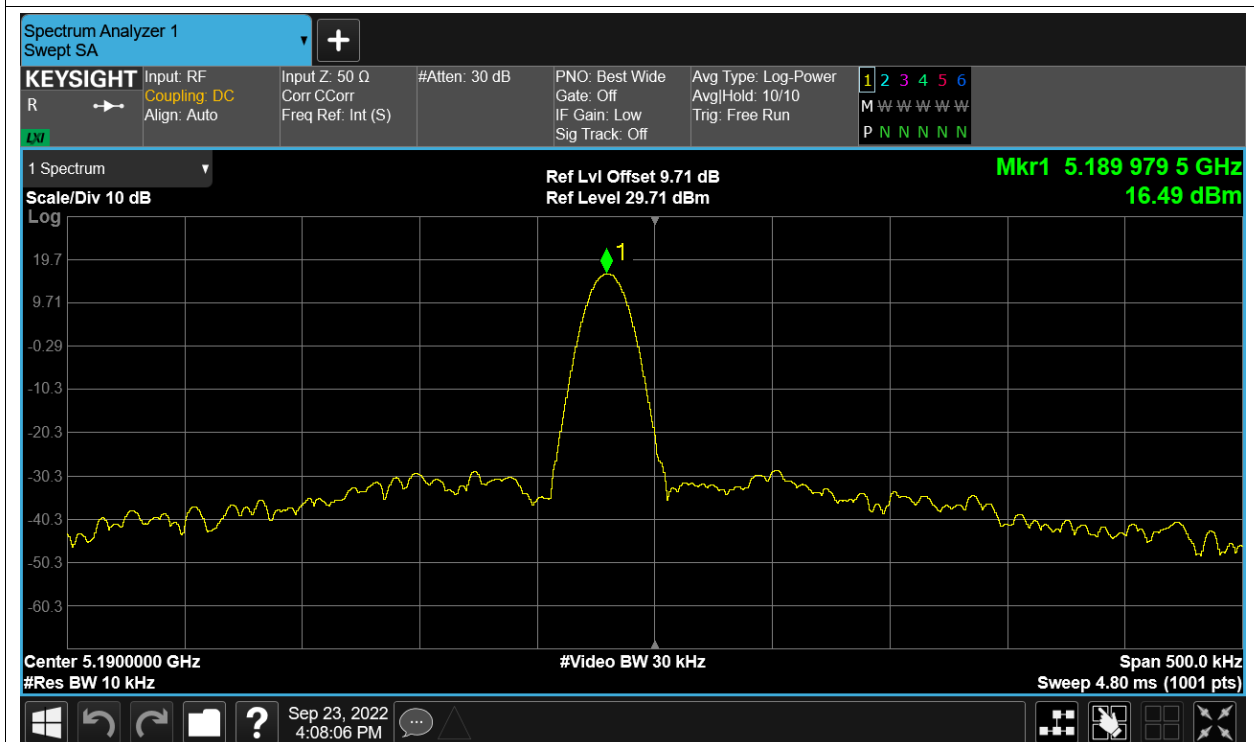
Freq. Stability NVNT n20 5180MHz Sum



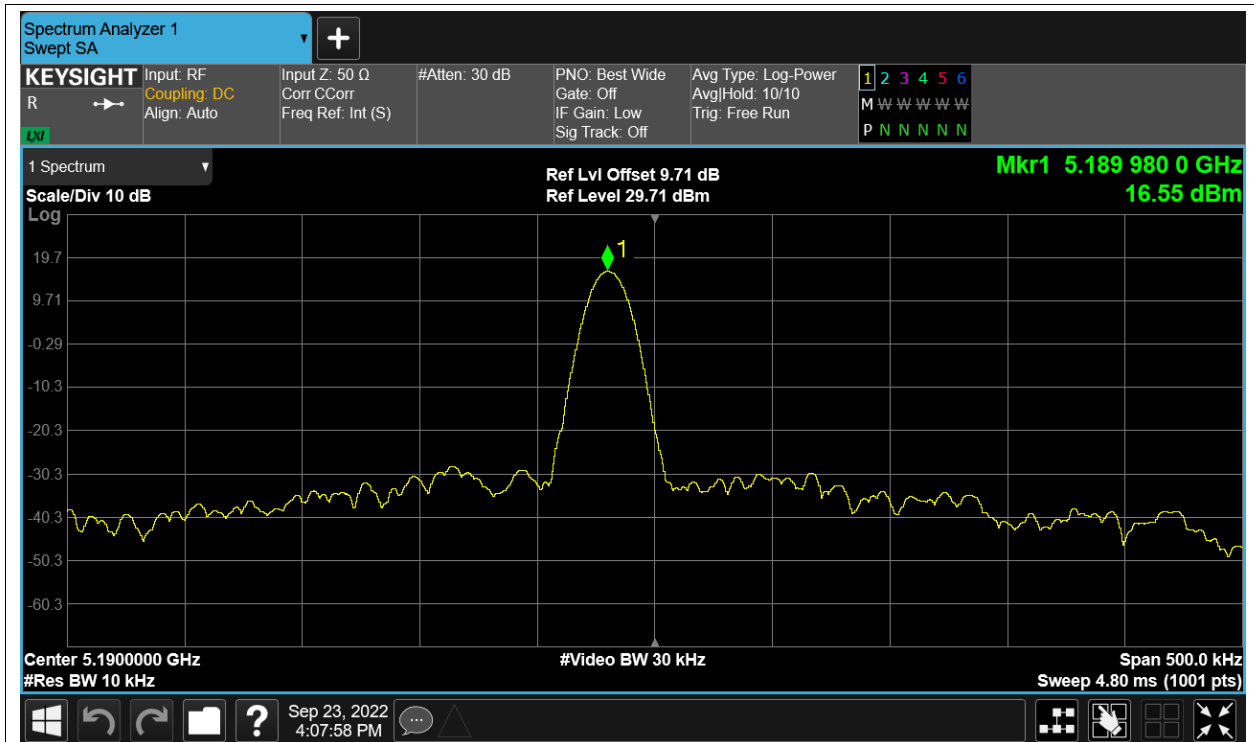
Freq. Stability HVNT n40 5190MHz Sum



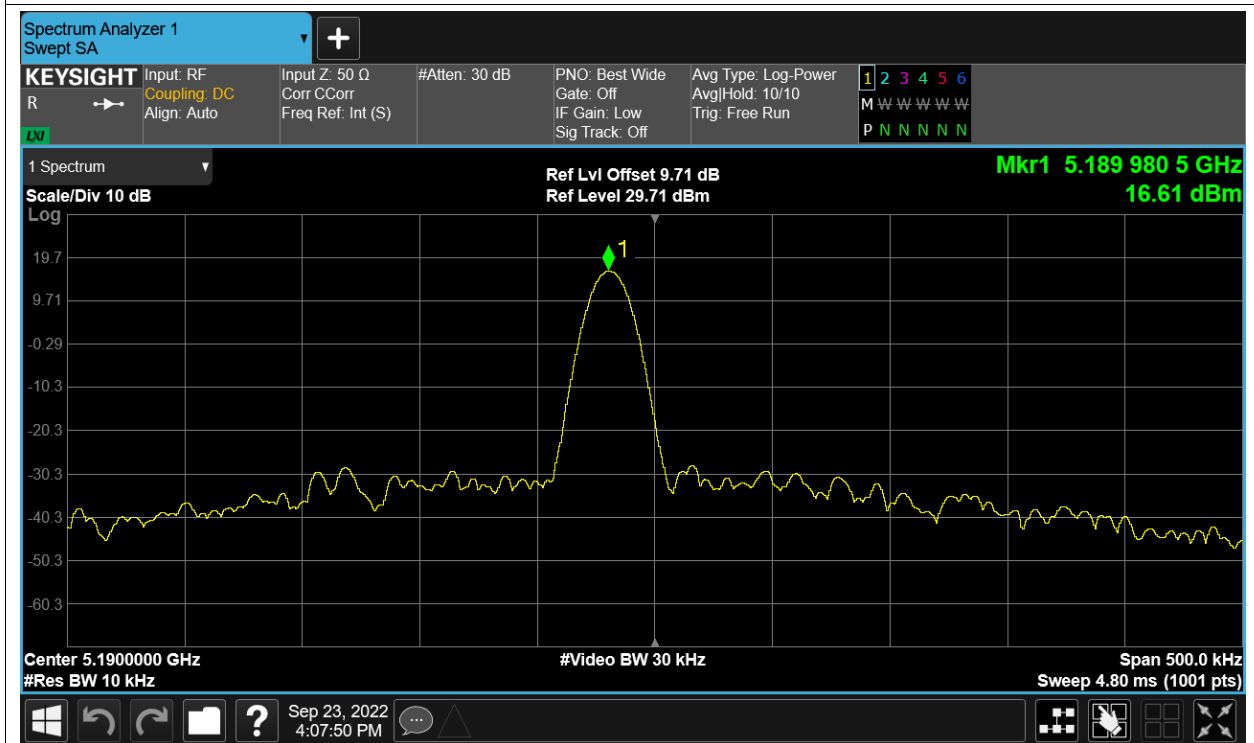
Freq. Stability LVNT n40 5190MHz Sum



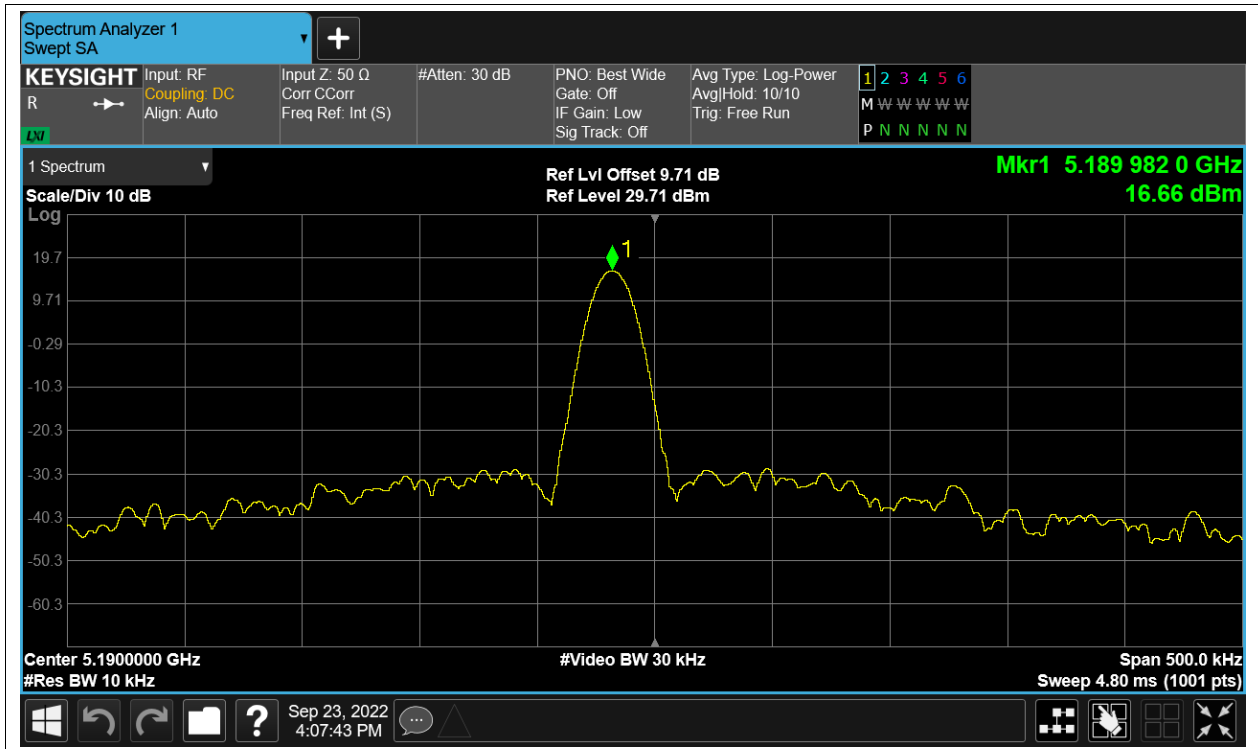
Freq. Stability NVHT n40 5190MHz Sum



Freq. Stability NVLT n40 5190MHz Sum



Freq. Stability NVNT n40 5190MHz Sum

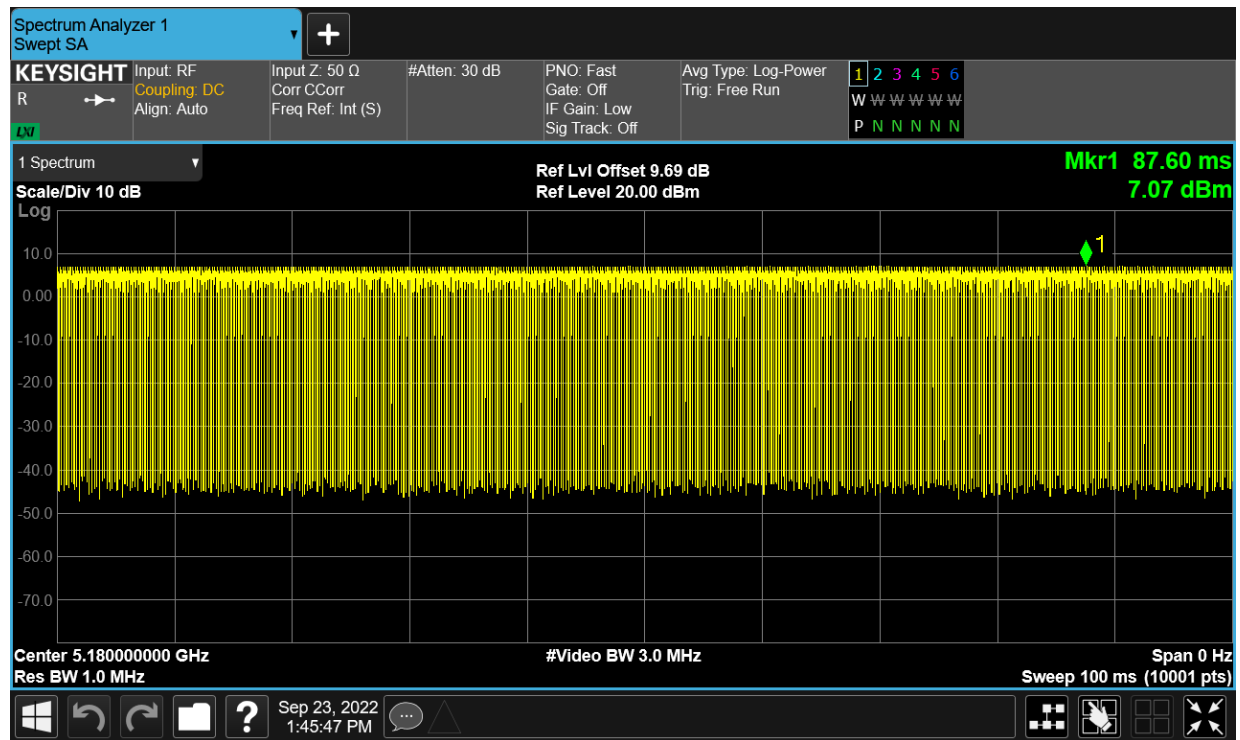


## Duty Cycle

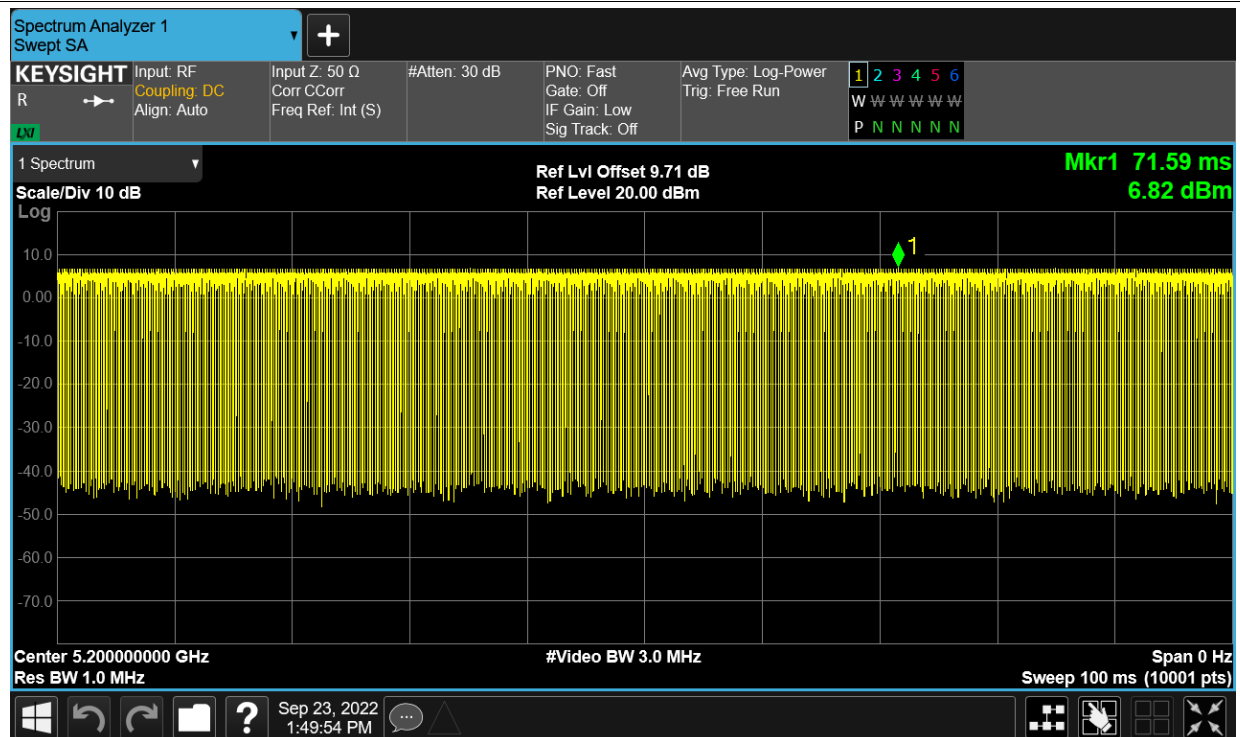
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) |
|-----------|------|-----------------|---------|----------------|------------------------|
| NVNT      | a    | 5180            | Ant1    | 88.15          | 0.55                   |
| NVNT      | a    | 5200            | Ant1    | 87.9           | 0.56                   |
| NVNT      | a    | 5240            | Ant1    | 87.76          | 0.57                   |
| NVNT      | a    | 5180            | Ant2    | 87.72          | 0.57                   |
| NVNT      | a    | 5200            | Ant2    | 87.13          | 0.6                    |
| NVNT      | a    | 5240            | Ant2    | 87.4           | 0.58                   |
| NVNT      | ac20 | 5180            | Sum     | 86.51          | 0.63                   |
| NVNT      | ac20 | 5200            | Sum     | 86.23          | 0.64                   |
| NVNT      | ac20 | 5240            | Sum     | 85.92          | 0.66                   |
| NVNT      | ac40 | 5190            | Sum     | 100            | 0                      |
| NVNT      | ac40 | 5230            | Sum     | 79.62          | 0.99                   |
| NVNT      | ac80 | 5210            | Sum     | 75.13          | 1.24                   |
| NVNT      | n20  | 5180            | Sum     | 87.45          | 0.58                   |
| NVNT      | n20  | 5200            | Sum     | 87.31          | 0.59                   |
| NVNT      | n20  | 5240            | Sum     | 87.06          | 0.6                    |
| NVNT      | n40  | 5190            | Sum     | 81.6           | 0.88                   |
| NVNT      | n40  | 5230            | Sum     | 81.07          | 0.91                   |

## Test Graphs

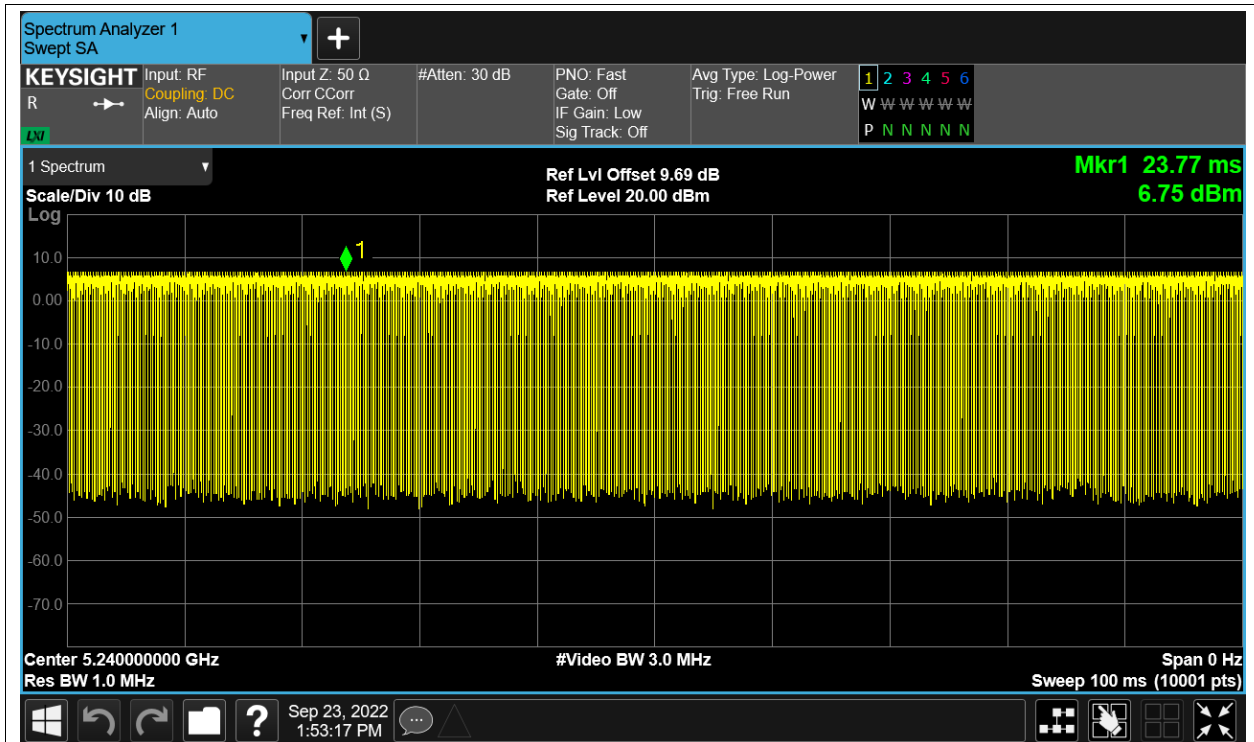
## Duty Cycle NVNT a 5180MHz Ant1



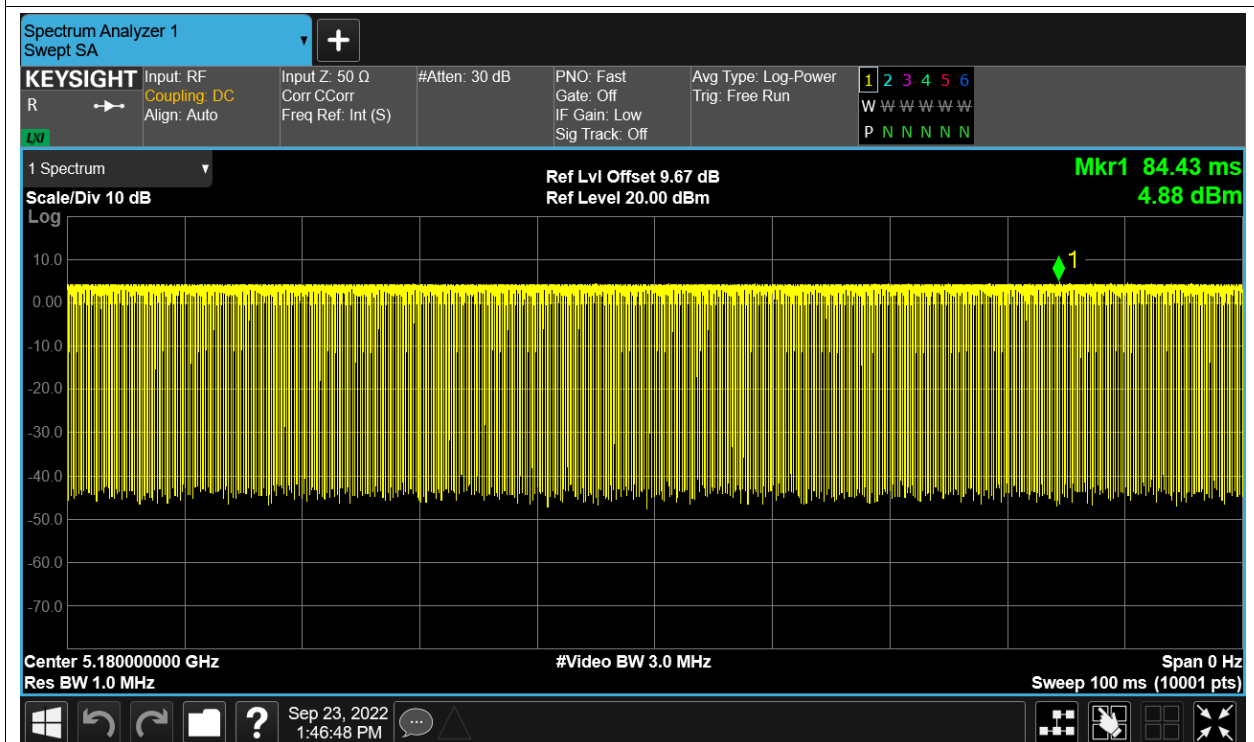
## Duty Cycle NVNT a 5200MHz Ant1



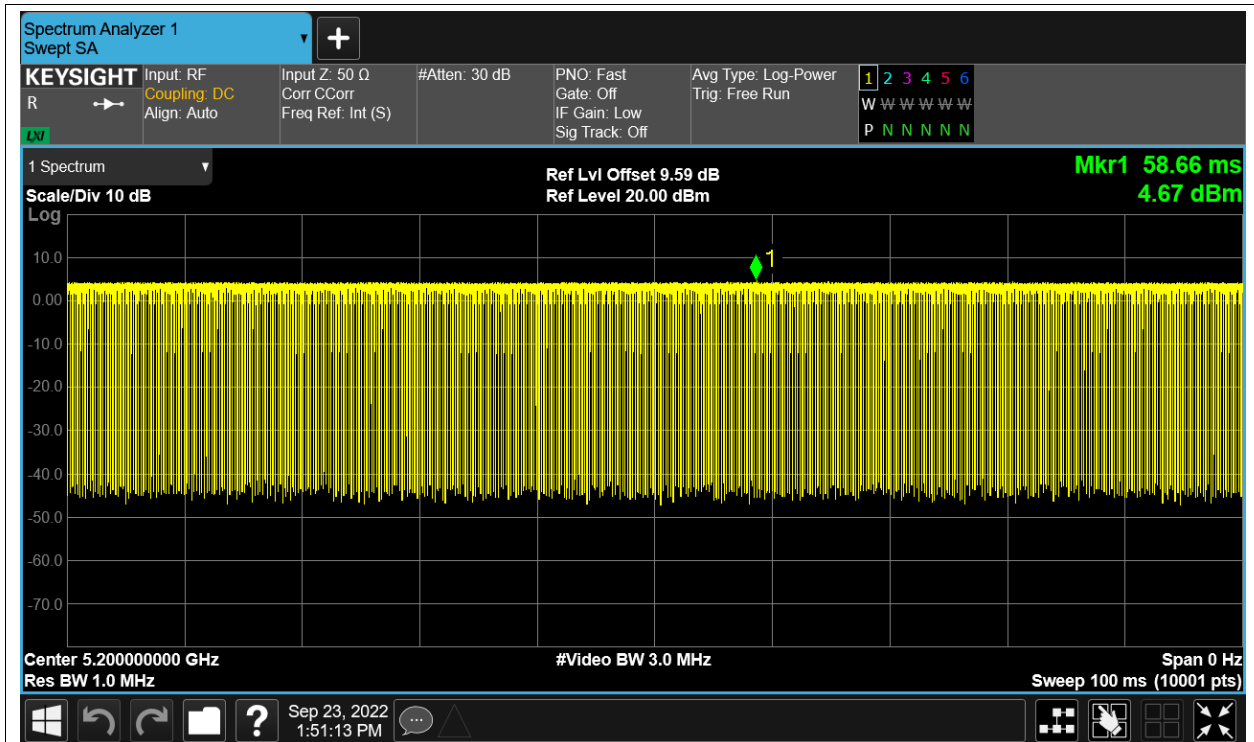
## Duty Cycle NVNT a 5240MHz Ant1



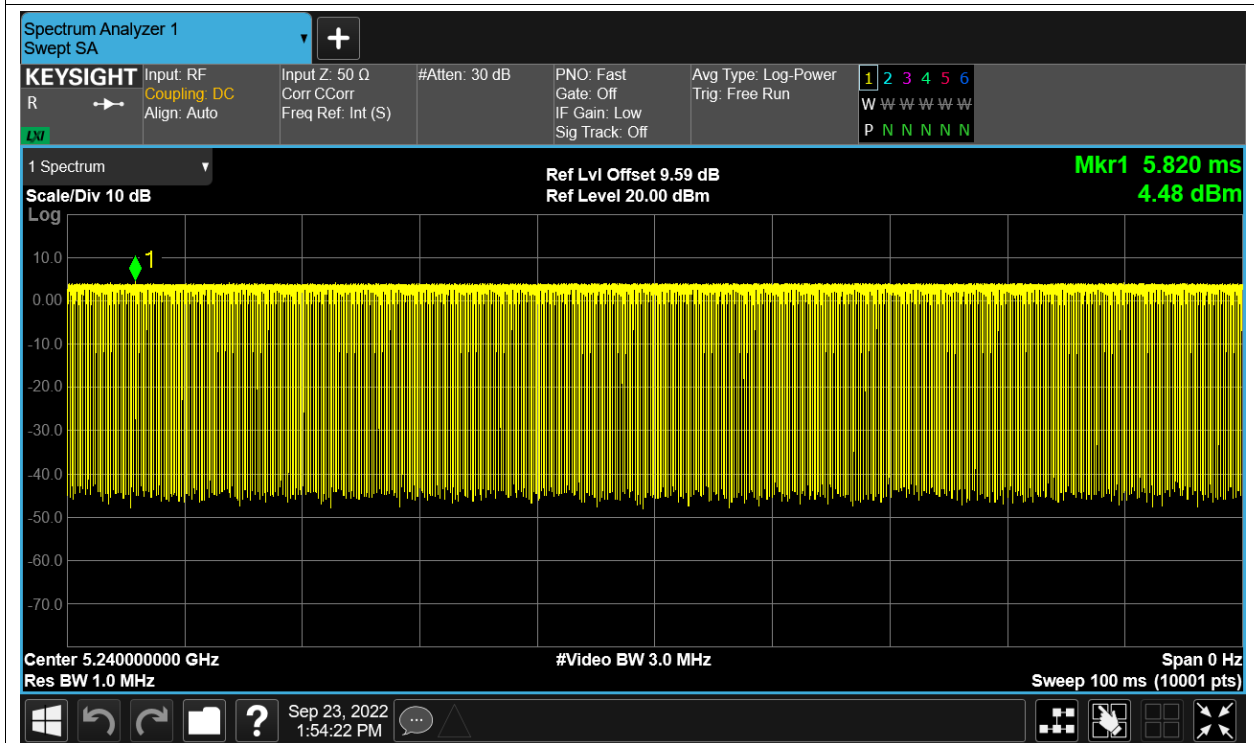
Duty Cycle NVNT a 5180MHz Ant2



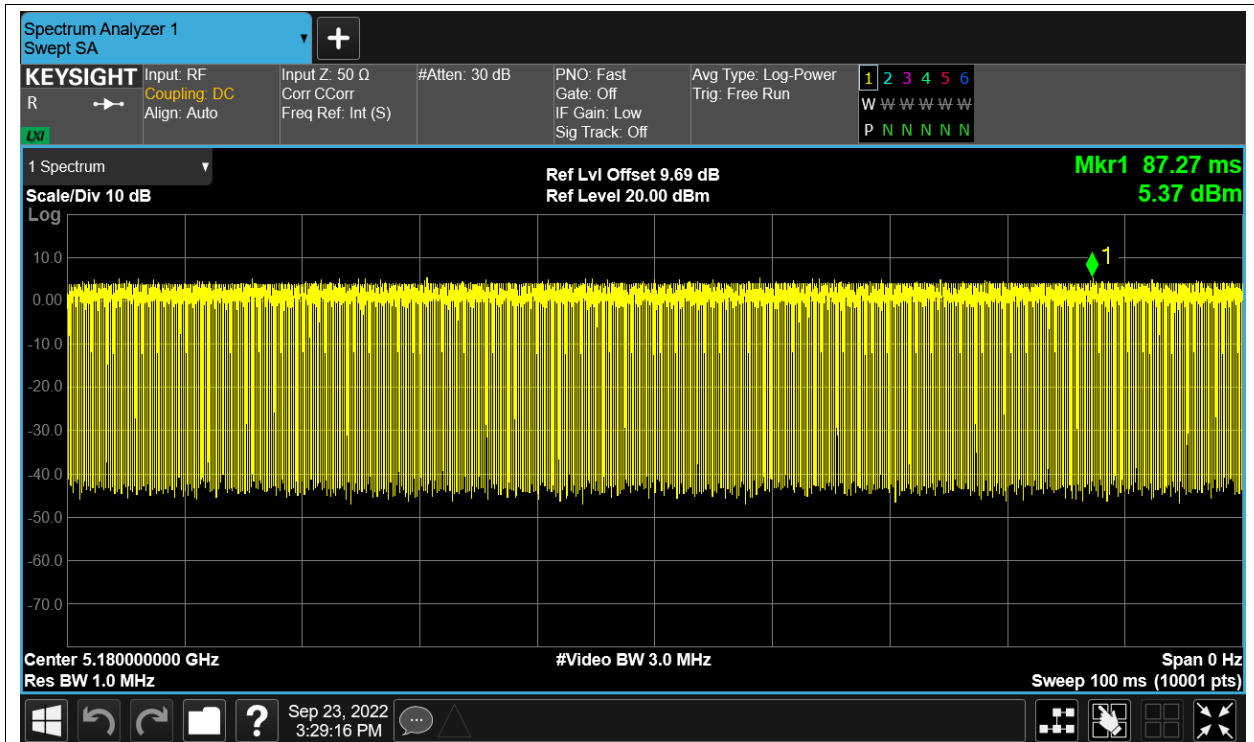
Duty Cycle NVNT a 5200MHz Ant2



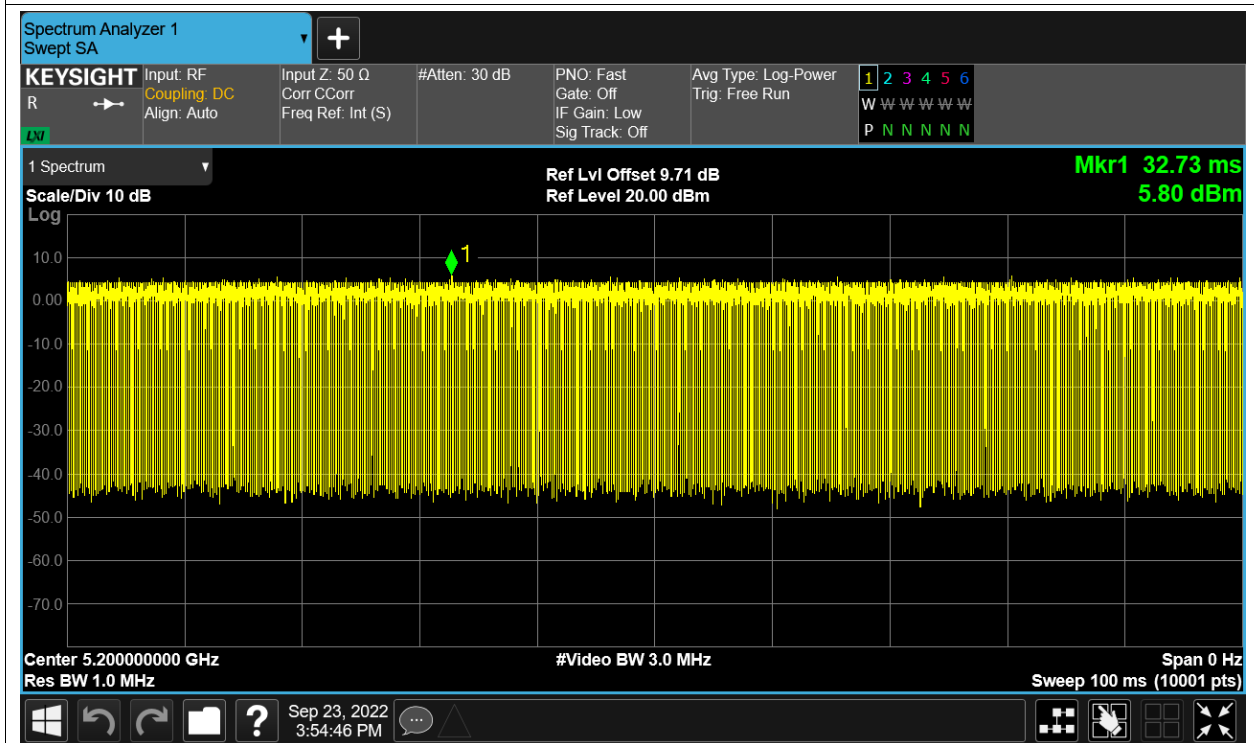
Duty Cycle NVNT a 5240MHz Ant2



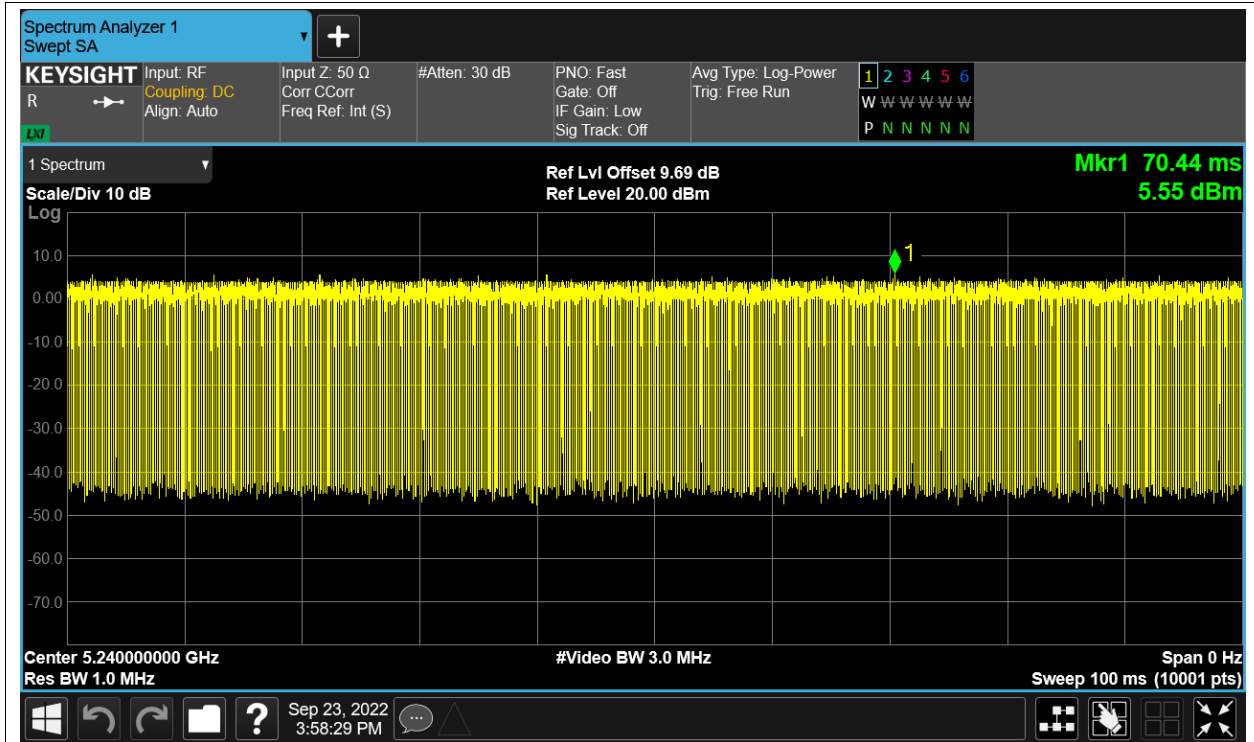
Duty Cycle NVNT ac20 5180MHz Sum



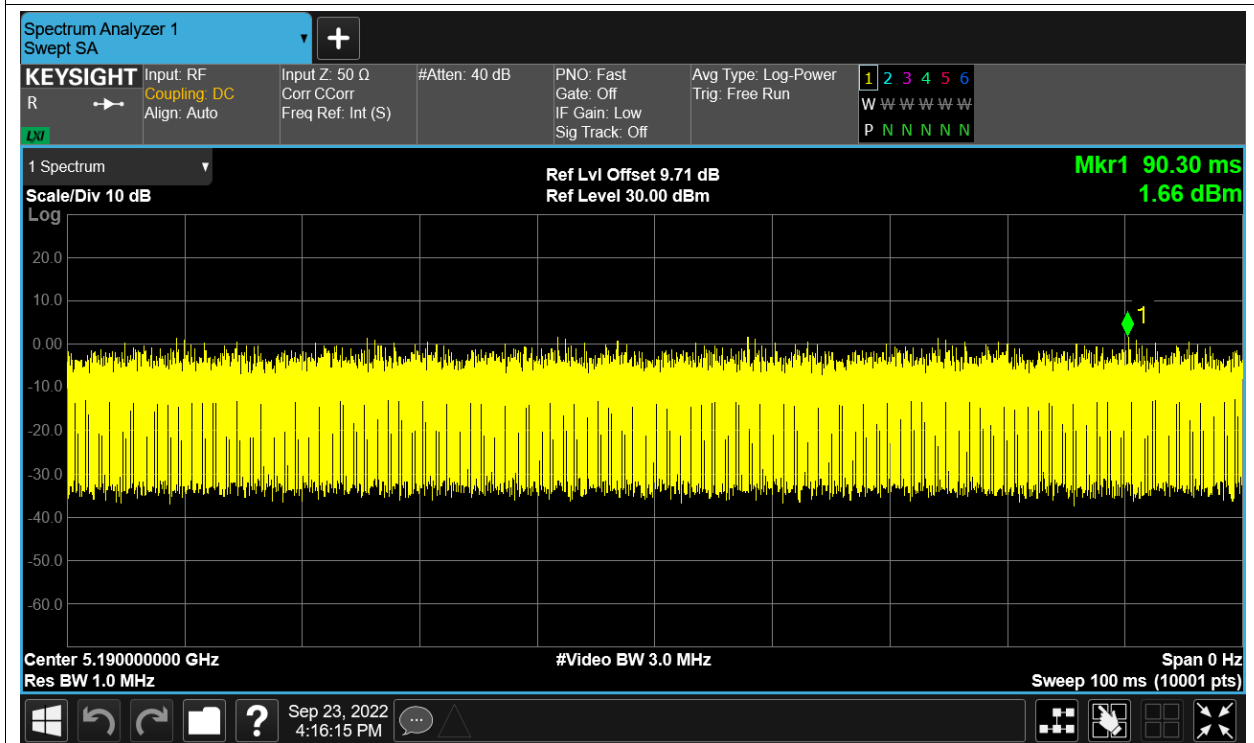
Duty Cycle NVNT ac20 5200MHz Sum



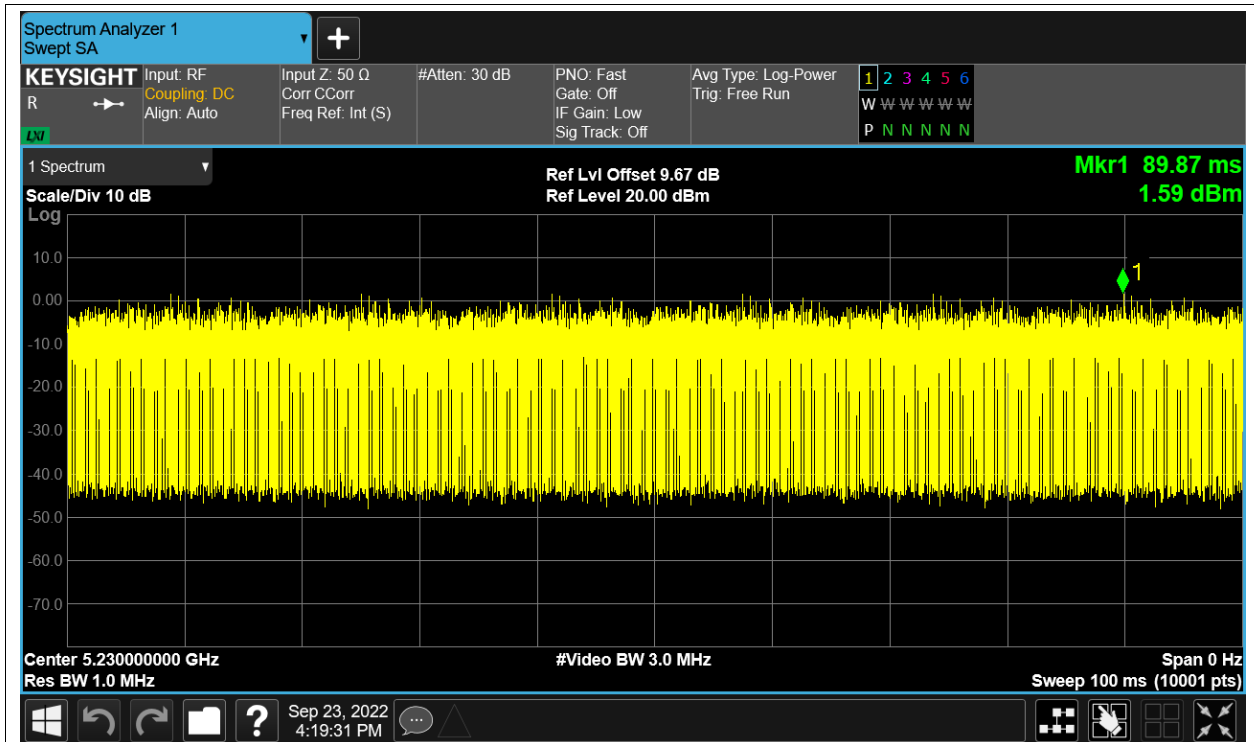
Duty Cycle NVNT ac20 5240MHz Sum



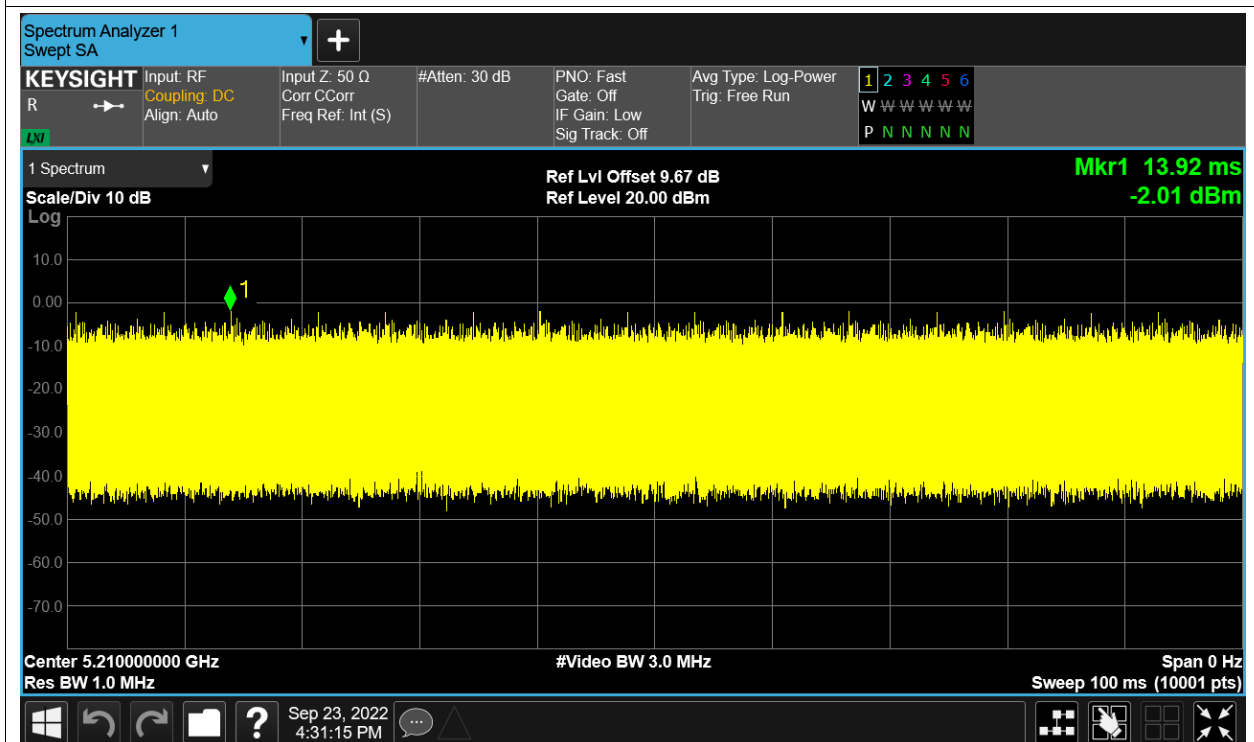
Duty Cycle NVNT ac40 5190MHz Sum



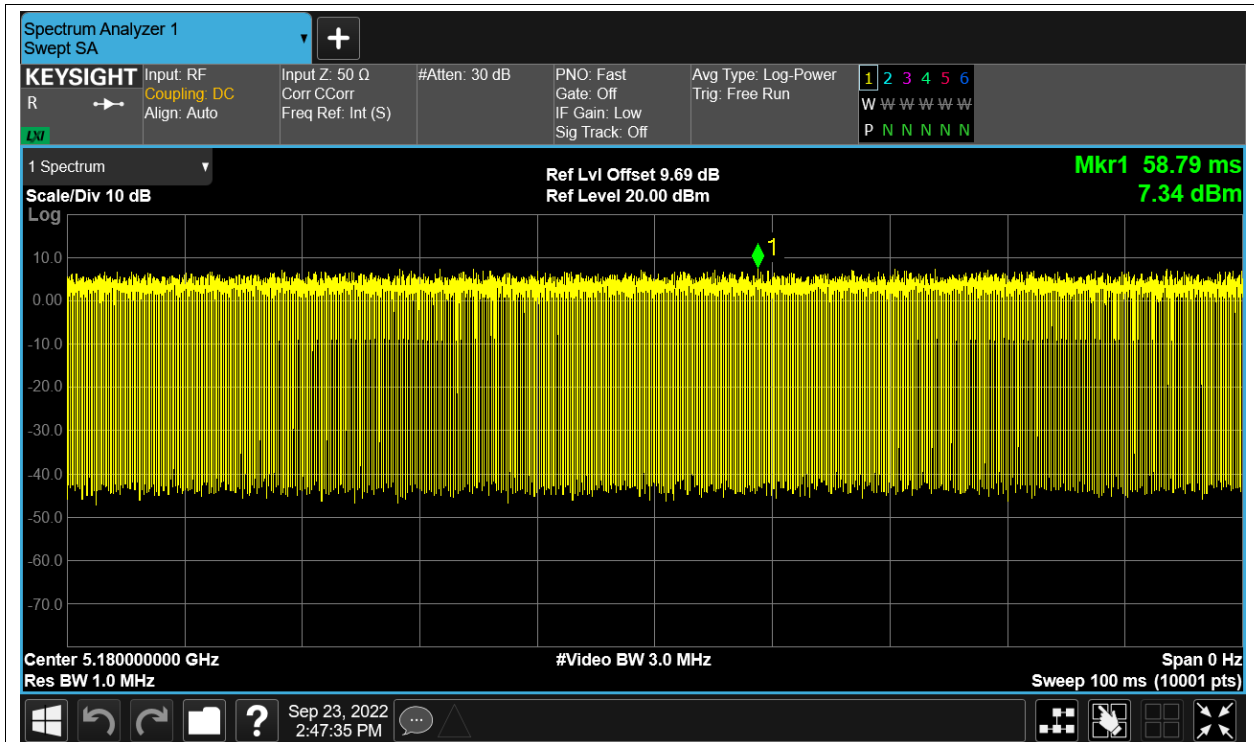
Duty Cycle NVNT ac40 5230MHz Sum



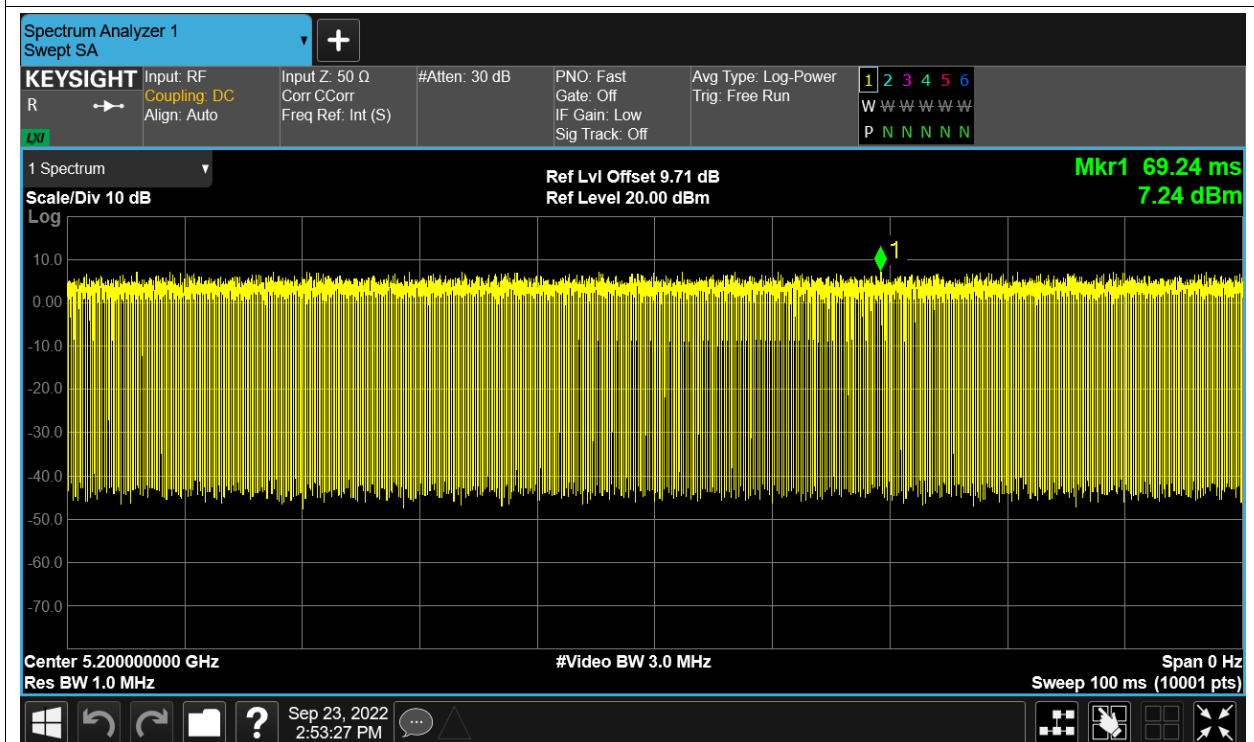
Duty Cycle NVNT ac80 5210MHz Sum



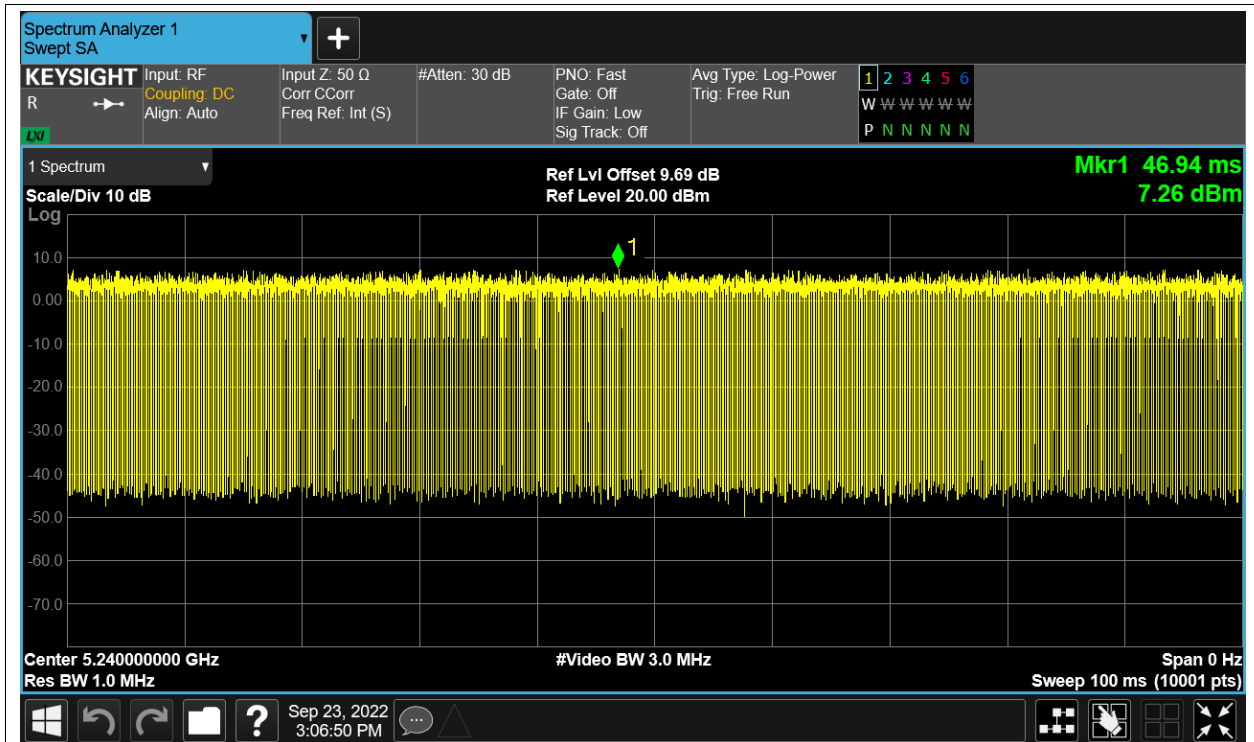
Duty Cycle NVNT n20 5180MHz Sum



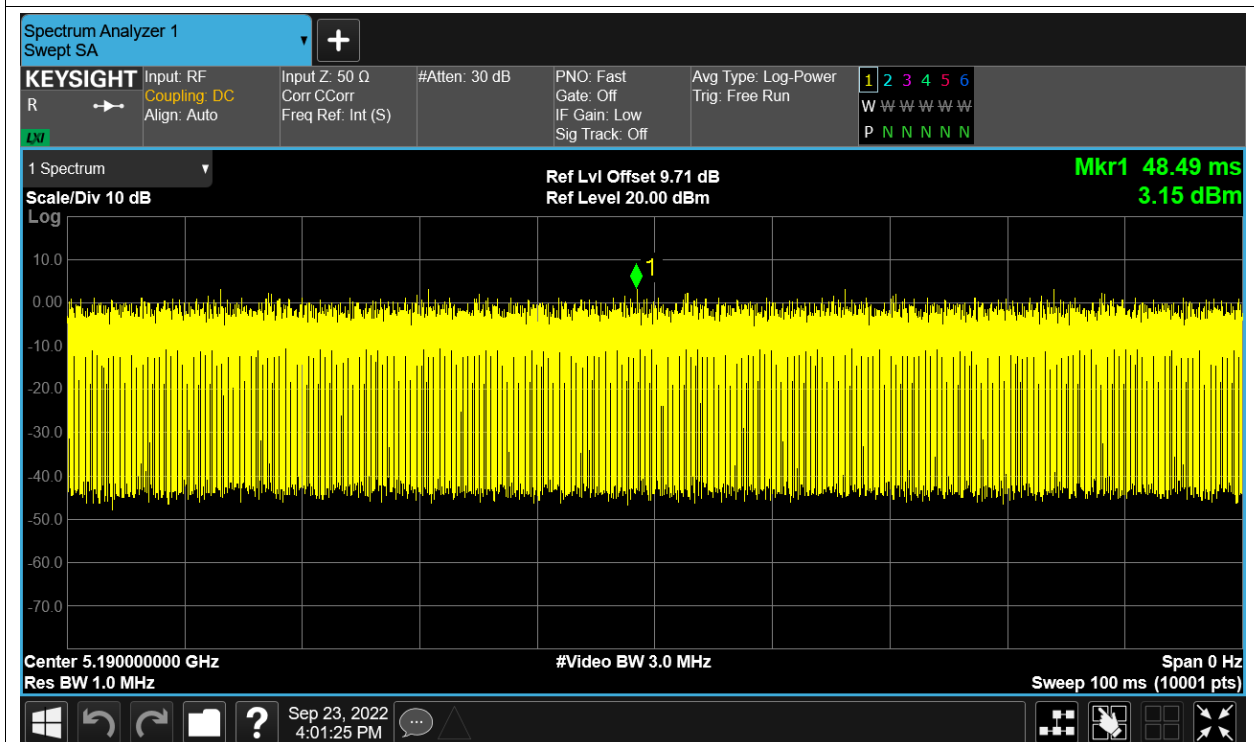
Duty Cycle NVNT n20 5200MHz Sum



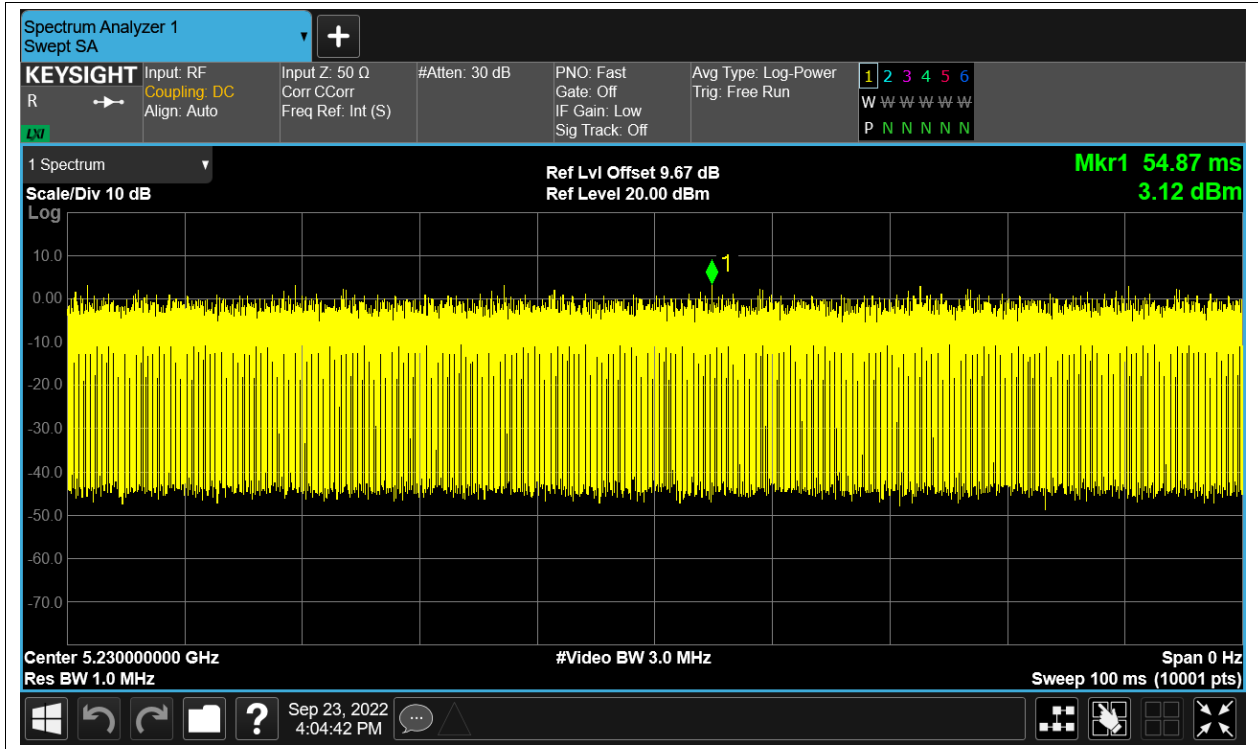
Duty Cycle NVNT n20 5240MHz Sum



Duty Cycle NVNT n40 5190MHz Sum



Duty Cycle NVNT n40 5230MHz Sum



## 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    | 12.87                    | 0.55                | 13.42                | 24             | Pass    |
| NVNT      | a    | 5200               | Ant1    | 12.84                    | 0.56                | 13.4                 | 24             | Pass    |
| NVNT      | a    | 5240               | Ant1    | 12.82                    | 0.57                | 13.39                | 24             | Pass    |
| NVNT      | a    | 5180               | Ant2    | 11.08                    | 0.57                | 11.65                | 24             | Pass    |
| NVNT      | a    | 5200               | Ant2    | 10.87                    | 0.6                 | 11.47                | 24             | Pass    |
| NVNT      | a    | 5240               | Ant2    | 10.75                    | 0.58                | 11.33                | 24             | Pass    |
| NVNT      | ac20 | 5180               | Ant1    | 9.71                     | 0.63                | 10.34                | 24             | Pass    |
| NVNT      | ac20 | 5180               | Ant2    | 7.96                     | 0.63                | 8.59                 | 24             | Pass    |
| NVNT      | ac20 | 5180               | Sum     | 11.933                   | 0.63                | 12.563               | 24             | Pass    |
| NVNT      | ac20 | 5200               | Ant1    | 9.51                     | 0.64                | 10.15                | 24             | Pass    |
| NVNT      | ac20 | 5200               | Ant2    | 7.97                     | 0.64                | 8.61                 | 24             | Pass    |
| NVNT      | ac20 | 5200               | Sum     | 11.818                   | 0.64                | 12.458               | 24             | Pass    |
| NVNT      | ac20 | 5240               | Ant1    | 9.57                     | 0.66                | 10.23                | 24             | Pass    |
| NVNT      | ac20 | 5240               | Ant2    | 7.6                      | 0.66                | 8.26                 | 24             | Pass    |
| NVNT      | ac20 | 5240               | Sum     | 11.706                   | 0.66                | 12.366               | 24             | Pass    |
| NVNT      | ac40 | 5190               | Ant1    | 9.71                     | 0                   | 9.71                 | 24             | Pass    |
| NVNT      | ac40 | 5190               | Ant2    | 8.04                     | 0                   | 8.04                 | 24             | Pass    |
| NVNT      | ac40 | 5190               | Sum     | 11.965                   | 0                   | 11.965               | 24             | Pass    |
| NVNT      | ac40 | 5230               | Ant1    | 9.52                     | 0.99                | 10.51                | 24             | Pass    |
| NVNT      | ac40 | 5230               | Ant2    | 7.75                     | 0.99                | 8.74                 | 24             | Pass    |
| NVNT      | ac40 | 5230               | Sum     | 11.735                   | 0.99                | 12.725               | 24             | Pass    |
| NVNT      | ac80 | 5210               | Ant1    | 9.4                      | 1.24                | 10.64                | 24             | Pass    |
| NVNT      | ac80 | 5210               | Ant2    | 7.66                     | 1.24                | 8.9                  | 24             | Pass    |
| NVNT      | ac80 | 5210               | Sum     | 11.627                   | 1.24                | 12.867               | 24             | Pass    |
| NVNT      | n20  | 5180               | Ant1    | 11.71                    | 0.58                | 12.29                | 24             | Pass    |
| NVNT      | n20  | 5180               | Ant2    | 10.18                    | 0.58                | 10.76                | 24             | Pass    |
| NVNT      | n20  | 5180               | Sum     | 14.022                   | 0.58                | 14.602               | 24             | Pass    |
| NVNT      | n20  | 5200               | Ant1    | 11.62                    | 0.59                | 12.21                | 24             | Pass    |
| NVNT      | n20  | 5200               | Ant2    | 10.02                    | 0.59                | 10.61                | 24             | Pass    |
| NVNT      | n20  | 5200               | Sum     | 13.904                   | 0.59                | 14.494               | 24             | Pass    |
| NVNT      | n20  | 5240               | Ant1    | 11.49                    | 0.6                 | 12.09                | 24             | Pass    |
| NVNT      | n20  | 5240               | Ant2    | 9.84                     | 0.6                 | 10.44                | 24             | Pass    |
| NVNT      | n20  | 5240               | Sum     | 13.753                   | 0.6                 | 14.353               | 24             | Pass    |
| NVNT      | n40  | 5190               | Ant1    | 11.35                    | 0.88                | 12.23                | 24             | Pass    |
| NVNT      | n40  | 5190               | Ant2    | 9.7                      | 0.88                | 10.58                | 24             | Pass    |
| NVNT      | n40  | 5190               | Sum     | 13.613                   | 0.88                | 14.493               | 24             | Pass    |
| NVNT      | n40  | 5230               | Ant1    | 11.03                    | 0.91                | 11.94                | 24             | Pass    |
| NVNT      | n40  | 5230               | Ant2    | 9.52                     | 0.91                | 10.43                | 24             | Pass    |
| NVNT      | n40  | 5230               | Sum     | 13.351                   | 0.91                | 14.261               | 24             | Pass    |