

## Test Data

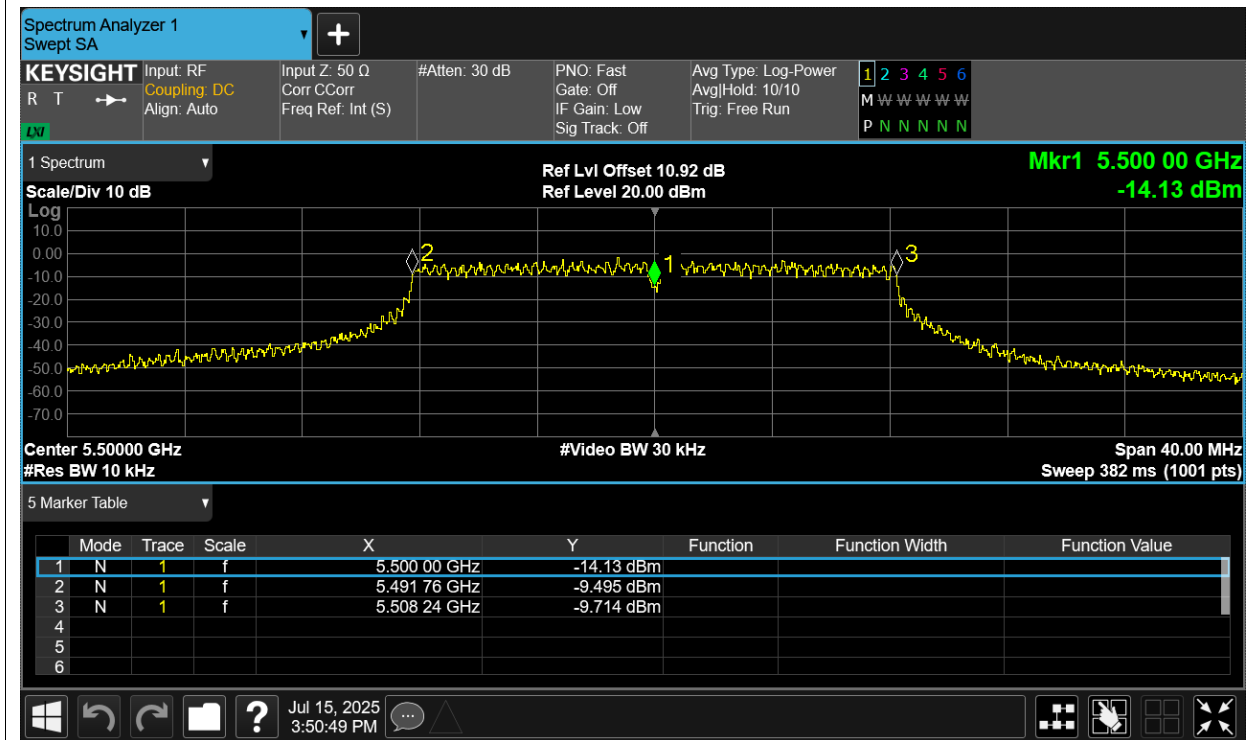
### Frequency Stability

| Condition | Mode  | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Deviation (ppm) | Limit (ppm)            | Verdict |
|-----------|-------|-----------------|---------|--------------------------|-----------------|------------------------|---------|
| HVNT      | a     | 5500            | Ant1    | 5500                     | 0               | Within authorized band | Pass    |
| HVNT      | a     | 5500            | Ant2    | 5500                     | 0               |                        | Pass    |
| HVNT      | a     | 5500            | Ant3    | 5500                     | 0               |                        | Pass    |
| HVNT      | a     | 5500            | Ant4    | 5499.98                  | -3.64           |                        | Pass    |
| LVNT      | a     | 5500            | Ant1    | 5500                     | 0               |                        | Pass    |
| LVNT      | a     | 5500            | Ant2    | 5500.02                  | 3.64            |                        | Pass    |
| LVNT      | a     | 5500            | Ant3    | 5500                     | 0               |                        | Pass    |
| LVNT      | a     | 5500            | Ant4    | 5500                     | 0               |                        | Pass    |
| NVHT      | a     | 5500            | Ant1    | 5499.98                  | -3.64           |                        | Pass    |
| NVHT      | a     | 5500            | Ant2    | 5499.98                  | -3.64           |                        | Pass    |
| NVHT      | a     | 5500            | Ant3    | 5500                     | 0               |                        | Pass    |
| NVHT      | a     | 5500            | Ant4    | 5499.98                  | -3.64           |                        | Pass    |
| NVLT      | a     | 5500            | Ant1    | 5499.98                  | -3.64           |                        | Pass    |
| NVLT      | a     | 5500            | Ant2    | 5499.98                  | -3.64           |                        | Pass    |
| NVLT      | a     | 5500            | Ant3    | 5500                     | 0               |                        | Pass    |
| NVLT      | a     | 5500            | Ant4    | 5499.98                  | -3.64           |                        | Pass    |
| NVNT      | a     | 5500            | Ant1    | 5500.02                  | 3.64            |                        | Pass    |
| NVNT      | a     | 5500            | Ant2    | 5500                     | 0               |                        | Pass    |
| NVNT      | a     | 5500            | Ant3    | 5500                     | 0               |                        | Pass    |
| NVNT      | a     | 5500            | Ant4    | 5500                     | 0               |                        | Pass    |
| HVNT      | ac160 | 5570            | Sum     | 5570                     | 0               |                        | Pass    |
| LVNT      | ac160 | 5570            | Sum     | 5570                     | 0               |                        | Pass    |
| NVHT      | ac160 | 5570            | Sum     | 5570                     | 0               |                        | Pass    |
| NVLT      | ac160 | 5570            | Sum     | 5570                     | 0               |                        | Pass    |
| NVNT      | ac160 | 5570            | Sum     | 5570                     | 0               |                        | Pass    |
| HVNT      | ac80  | 5530            | Sum     | 5530                     | 0               |                        | Pass    |
| LVNT      | ac80  | 5530            | Sum     | 5530                     | 0               |                        | Pass    |
| NVHT      | ac80  | 5530            | Sum     | 5530                     | 0               |                        | Pass    |
| NVLT      | ac80  | 5530            | Sum     | 5530                     | 0               |                        | Pass    |
| NVNT      | ac80  | 5530            | Sum     | 5530                     | 0               |                        | Pass    |
| HVNT      | n20   | 5500            | Sum     | 5500                     | 0               |                        | Pass    |
| LVNT      | n20   | 5500            | Sum     | 5500                     | 0               |                        | Pass    |
| NVHT      | n20   | 5500            | Sum     | 5500                     | 0               |                        | Pass    |
| NVLT      | n20   | 5500            | Sum     | 5499.98                  | -3.64           |                        | Pass    |
| NVNT      | n20   | 5500            | Sum     | 5500                     | 0               |                        | Pass    |
| HVNT      | n40   | 5510            | Sum     | 5510                     | 0               |                        | Pass    |
| LVNT      | n40   | 5510            | Sum     | 5510                     | 0               |                        | Pass    |
| NVHT      | n40   | 5510            | Sum     | 5510                     | 0               |                        | Pass    |
| NVLT      | n40   | 5510            | Sum     | 5510                     | 0               |                        | Pass    |

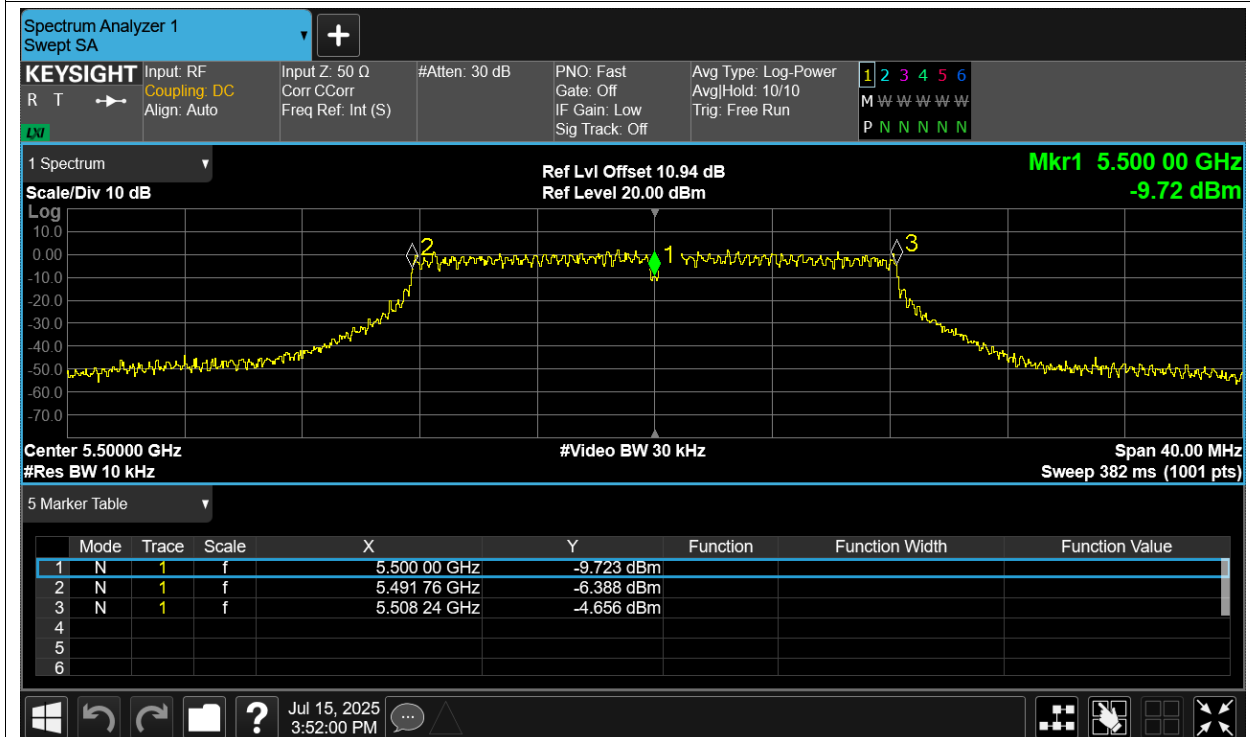
|                                                                                                                                                                                                                                               |     |      |     |      |   |  |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|-----|------|---|--|------|
| NVNT                                                                                                                                                                                                                                          | n40 | 5510 | Sum | 5510 | 0 |  | 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

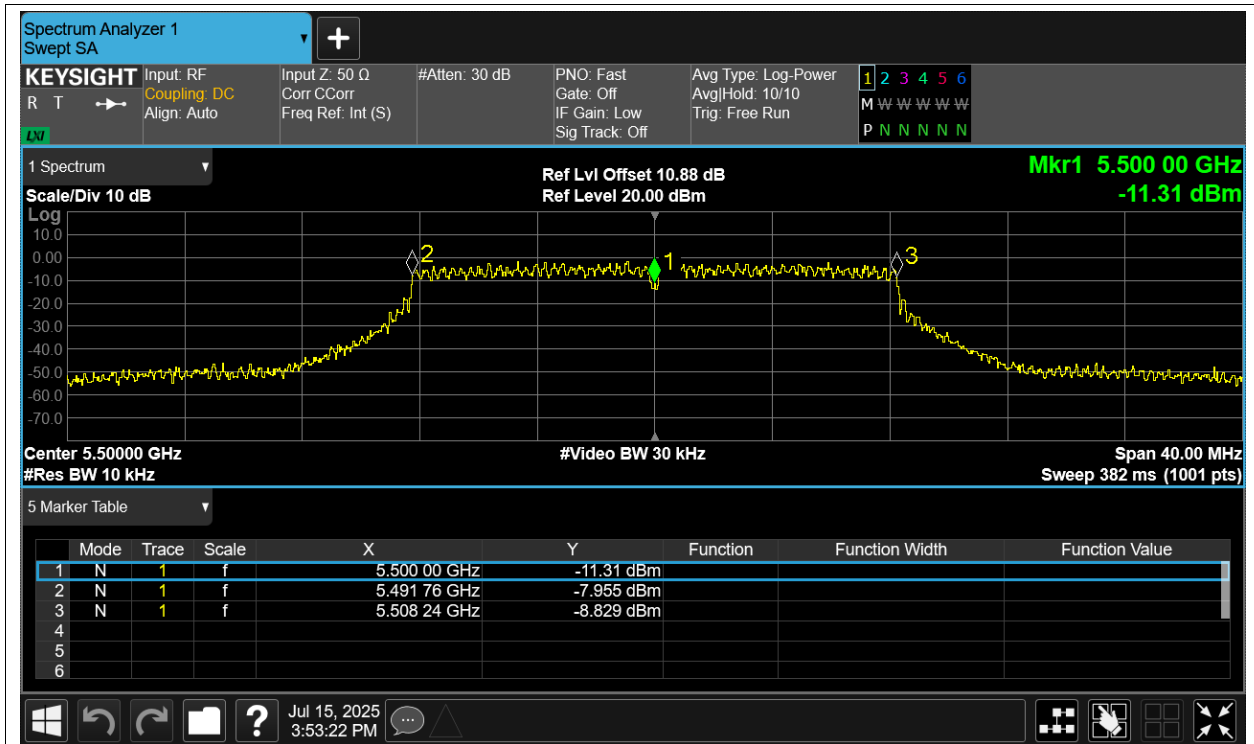
### Freq. Stability HVNT a 5500MHz Ant1



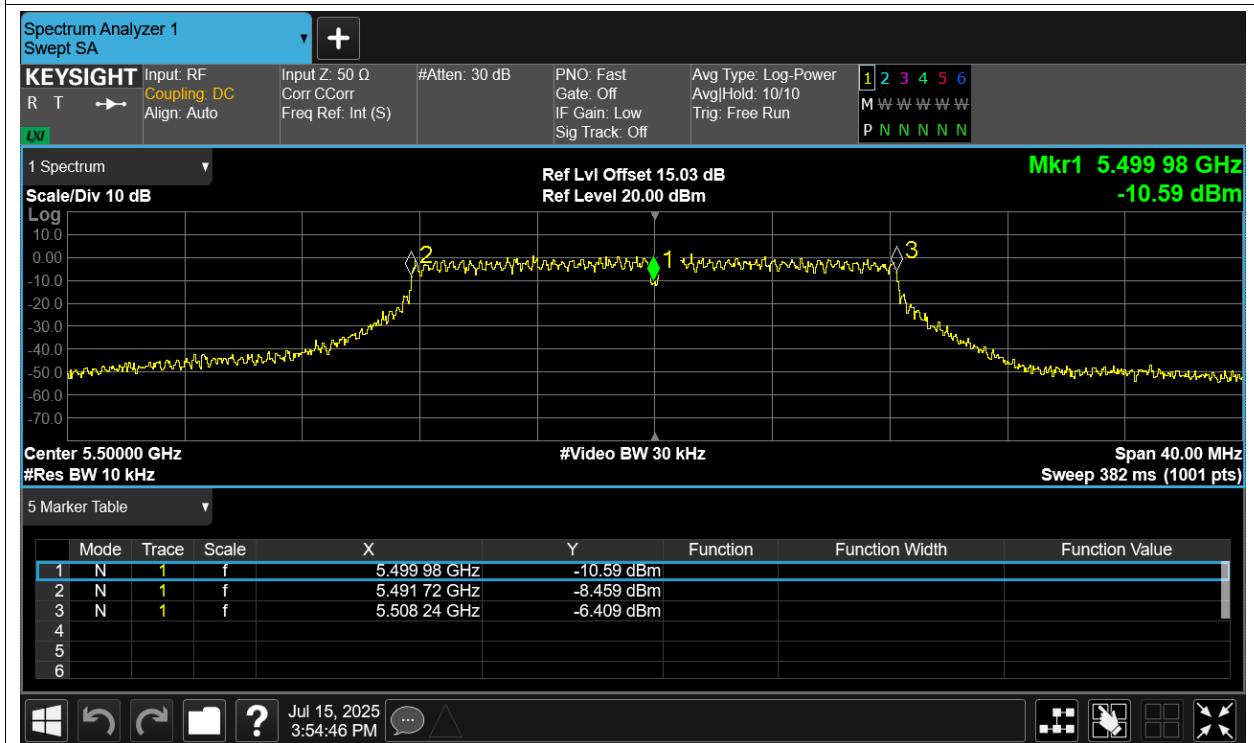
### Freq. Stability HVNT a 5500MHz Ant2



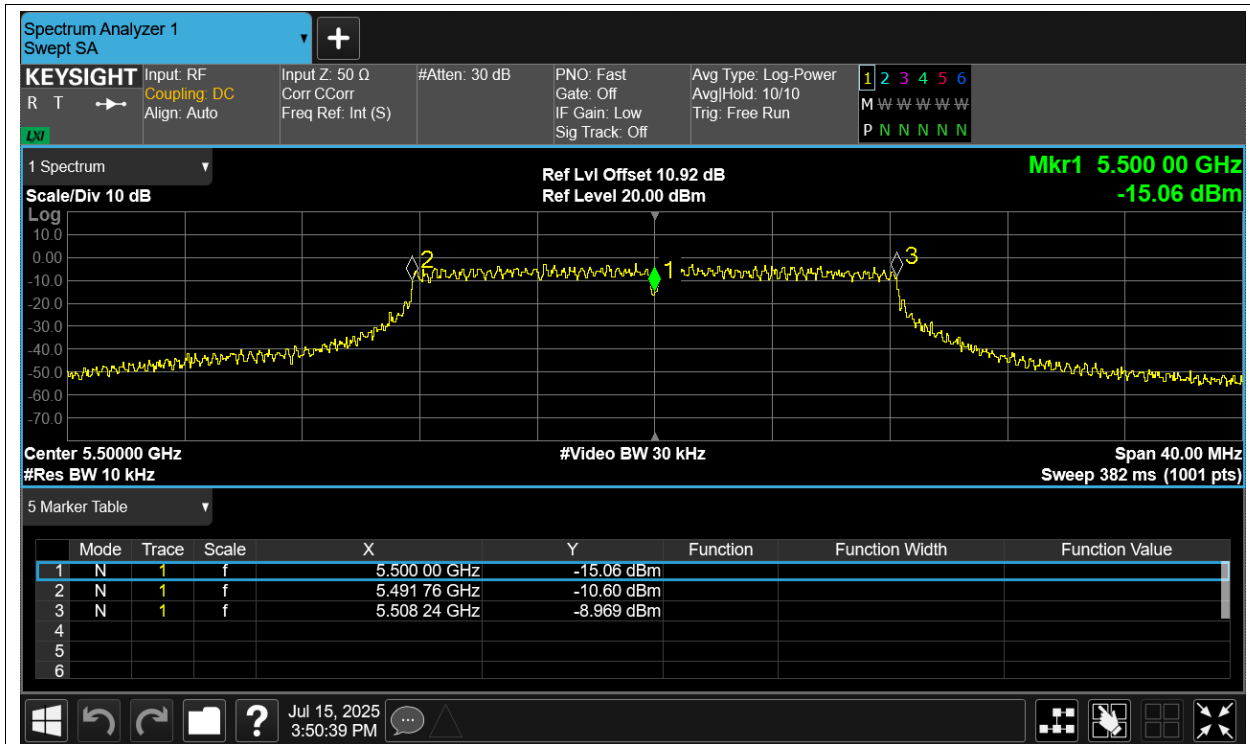
### Freq. Stability HVNT a 5500MHz Ant3



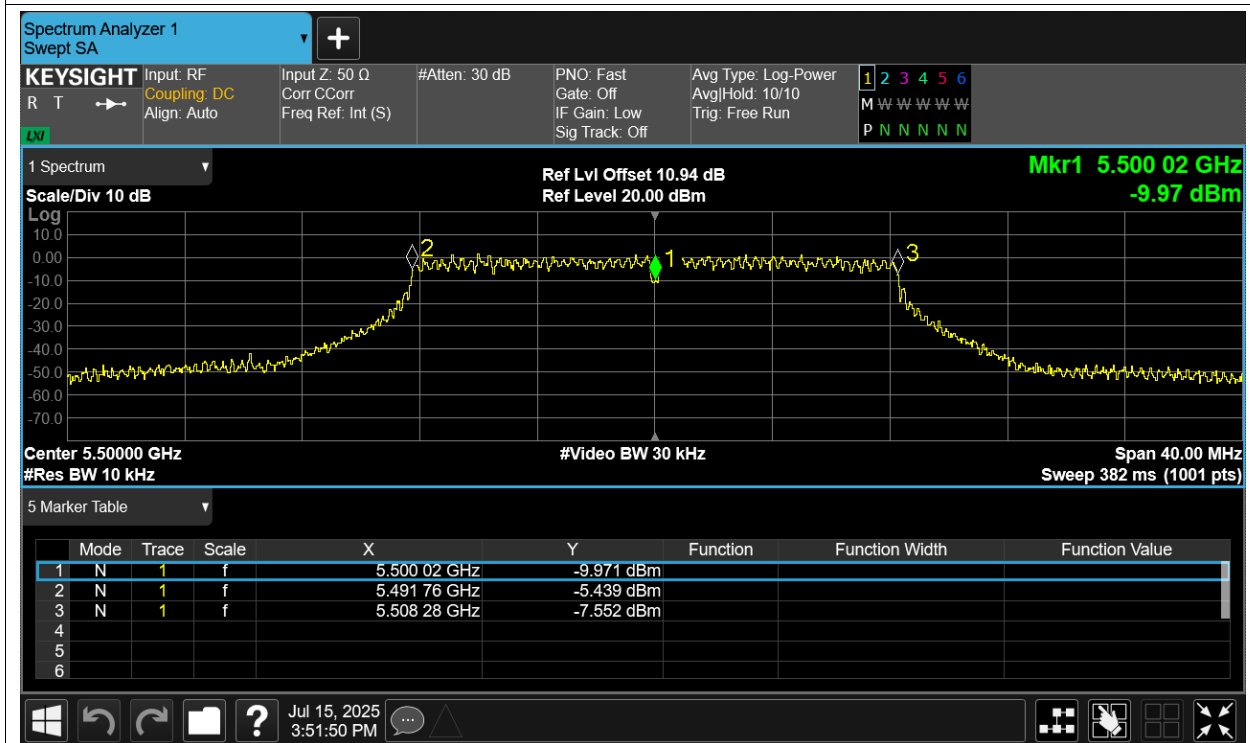
Freq. Stability HVNT a 5500MHz Ant4



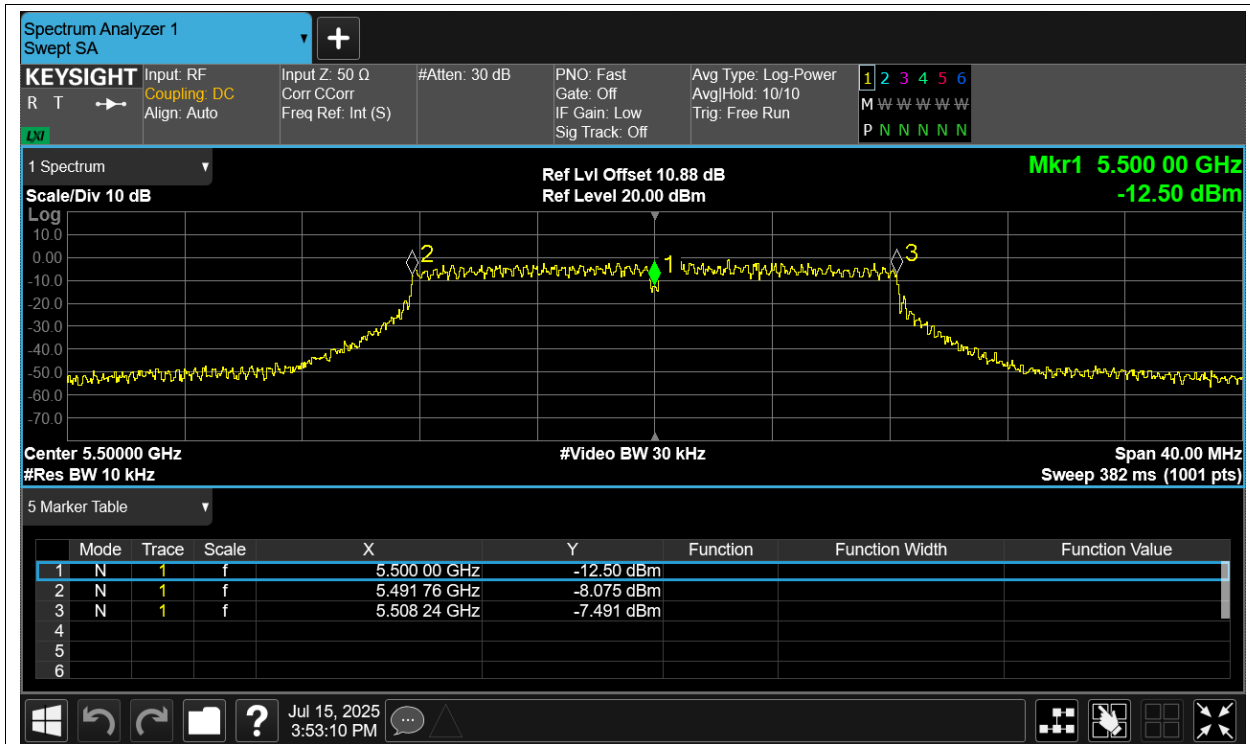
Freq. Stability LVNT a 5500MHz Ant1



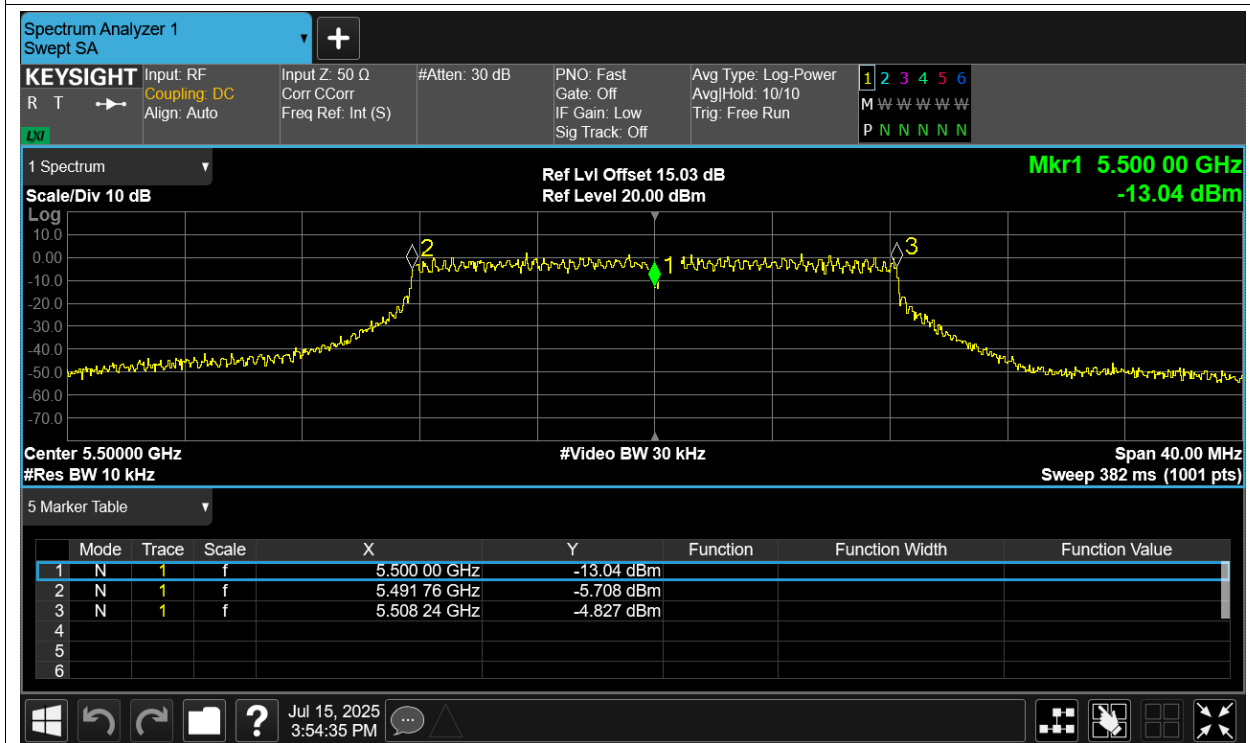
Freq. Stability LVNT a 5500MHz Ant2



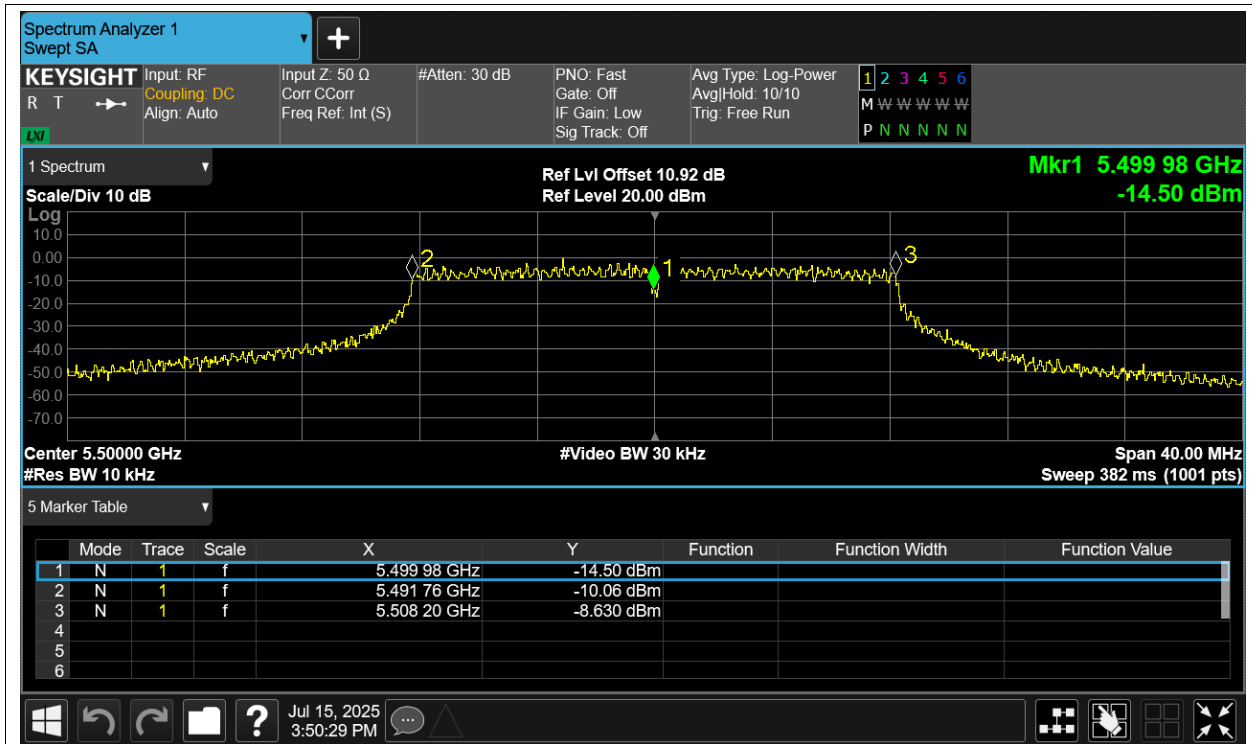
Freq. Stability LVNT a 5500MHz Ant3



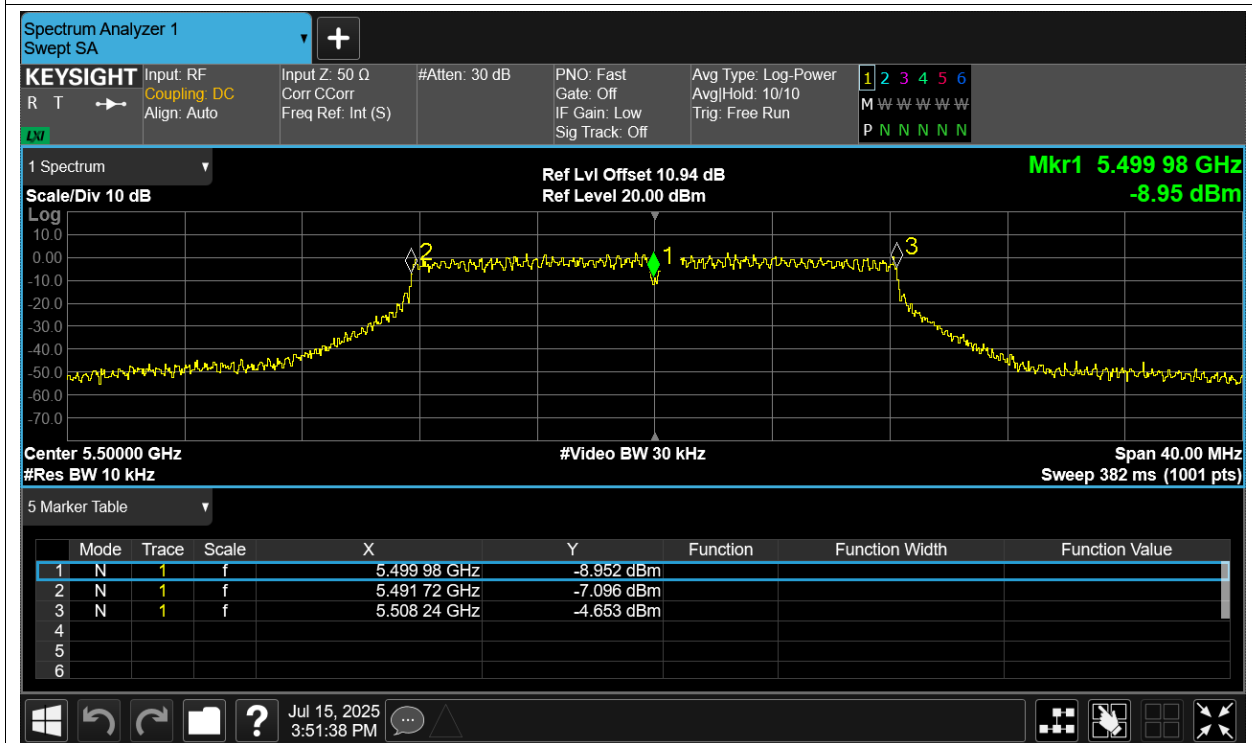
Freq. Stability LVNT a 5500MHz Ant4



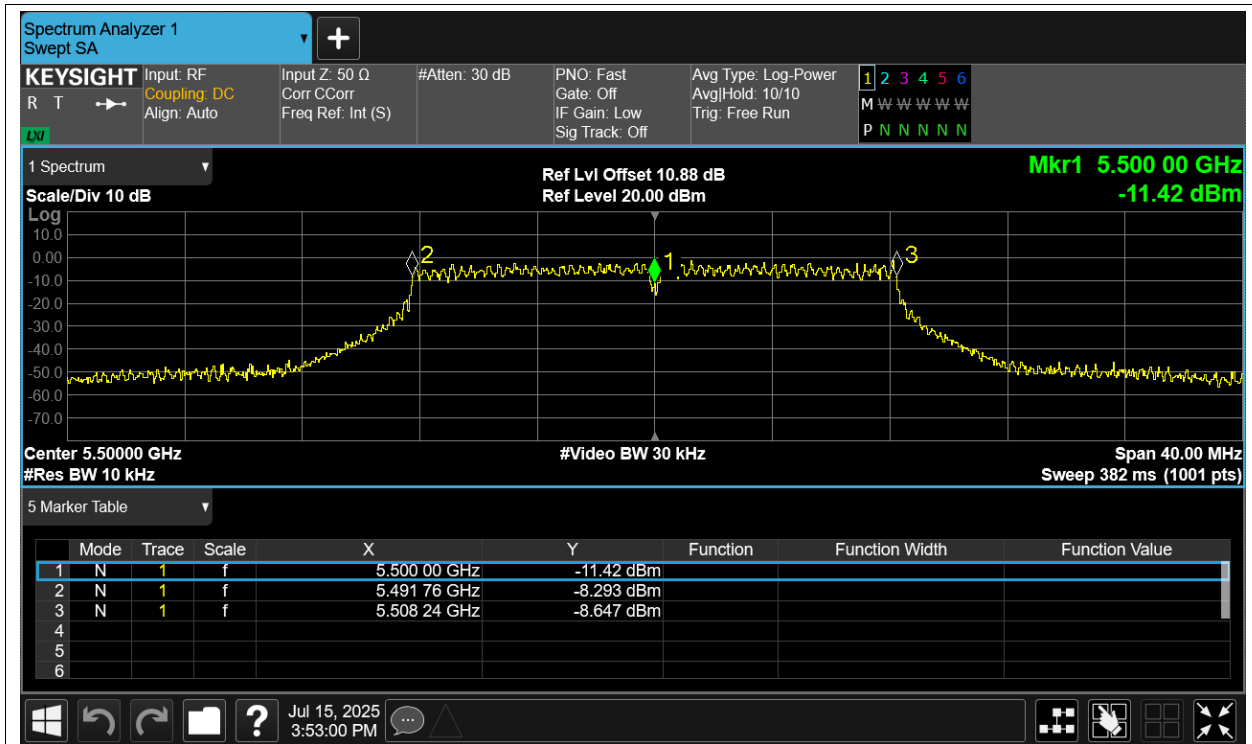
Freq. Stability NVHT a 5500MHz Ant1



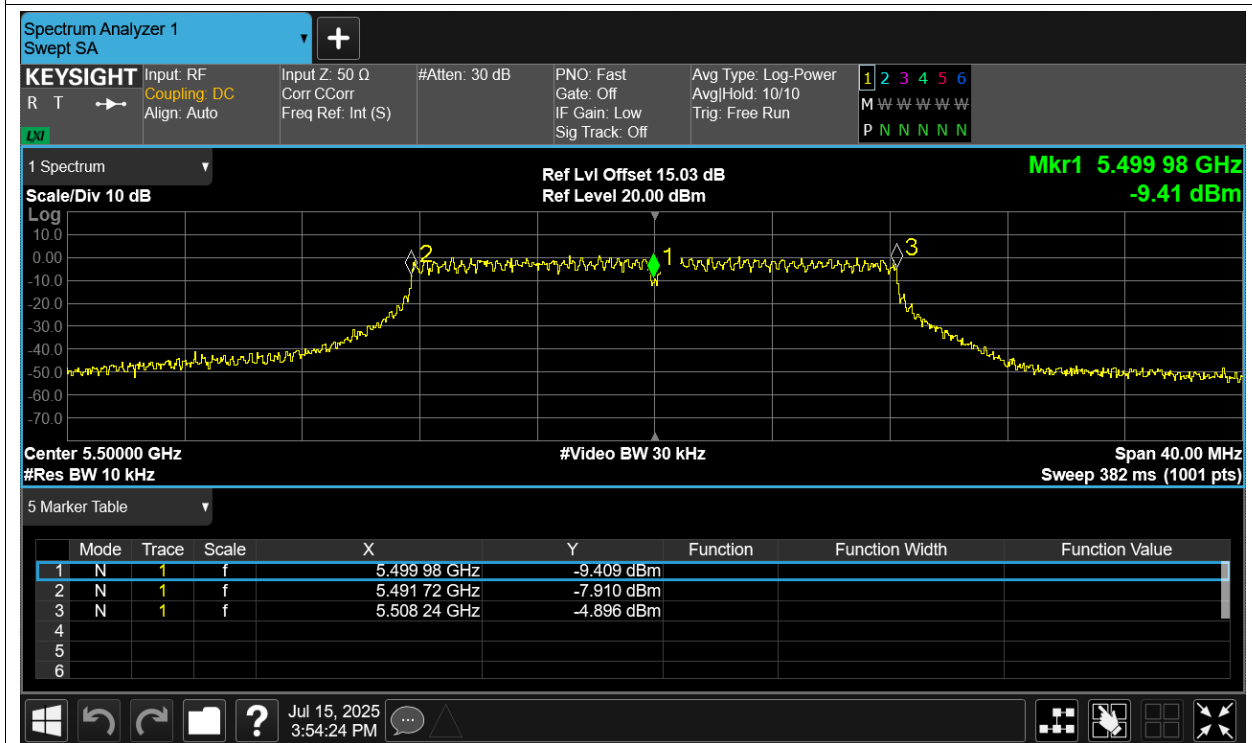
Freq. Stability NVHT a 5500MHz Ant2



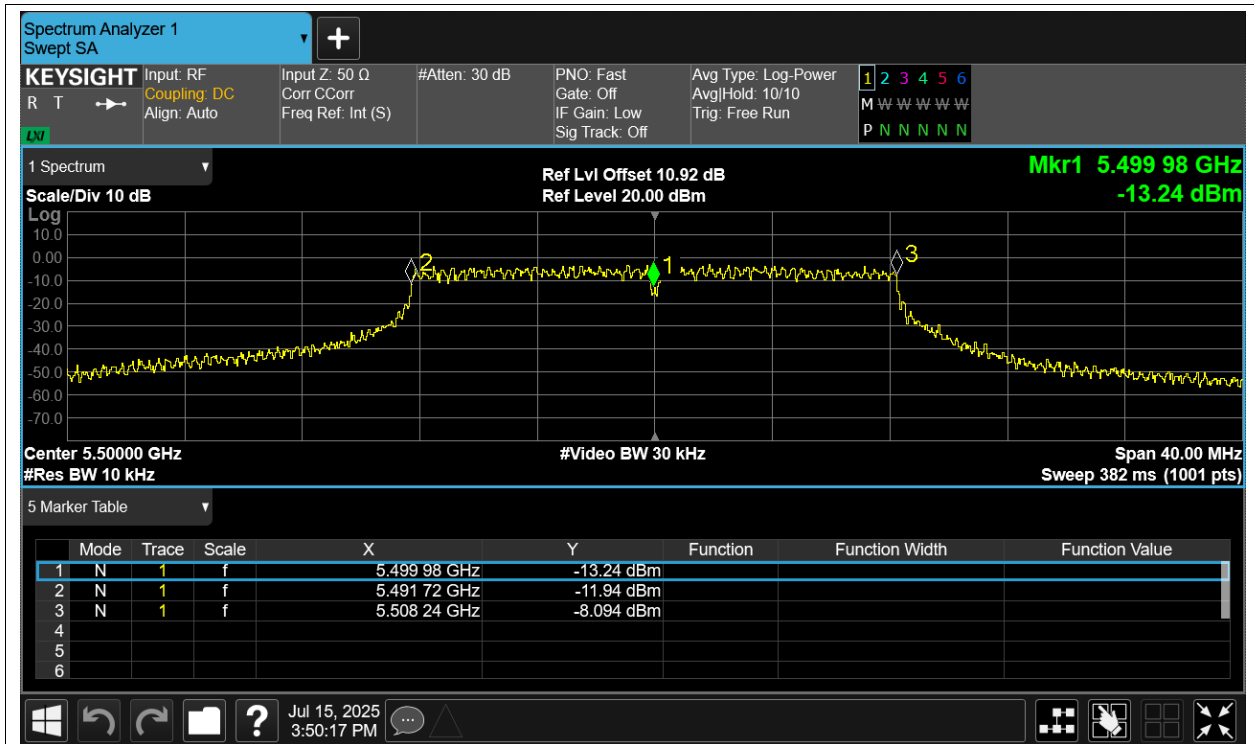
Freq. Stability NVHT a 5500MHz Ant3



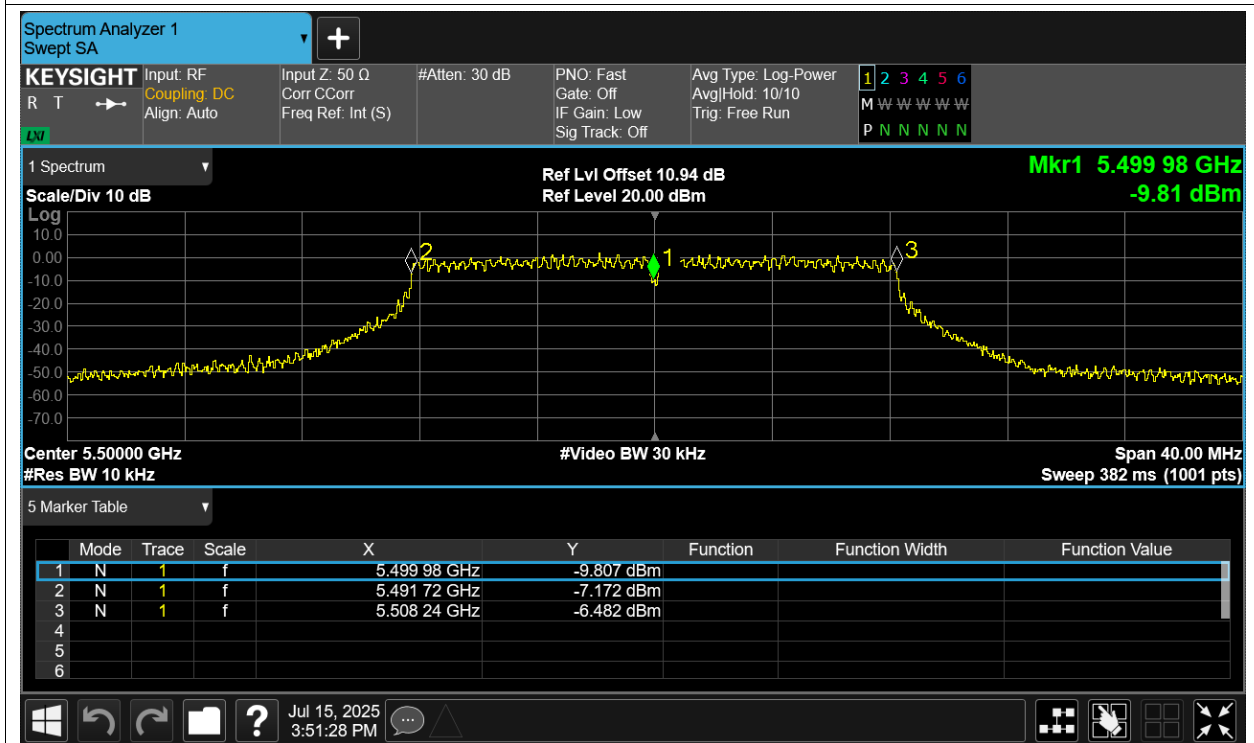
Freq. Stability NVHT a 5500MHz Ant4



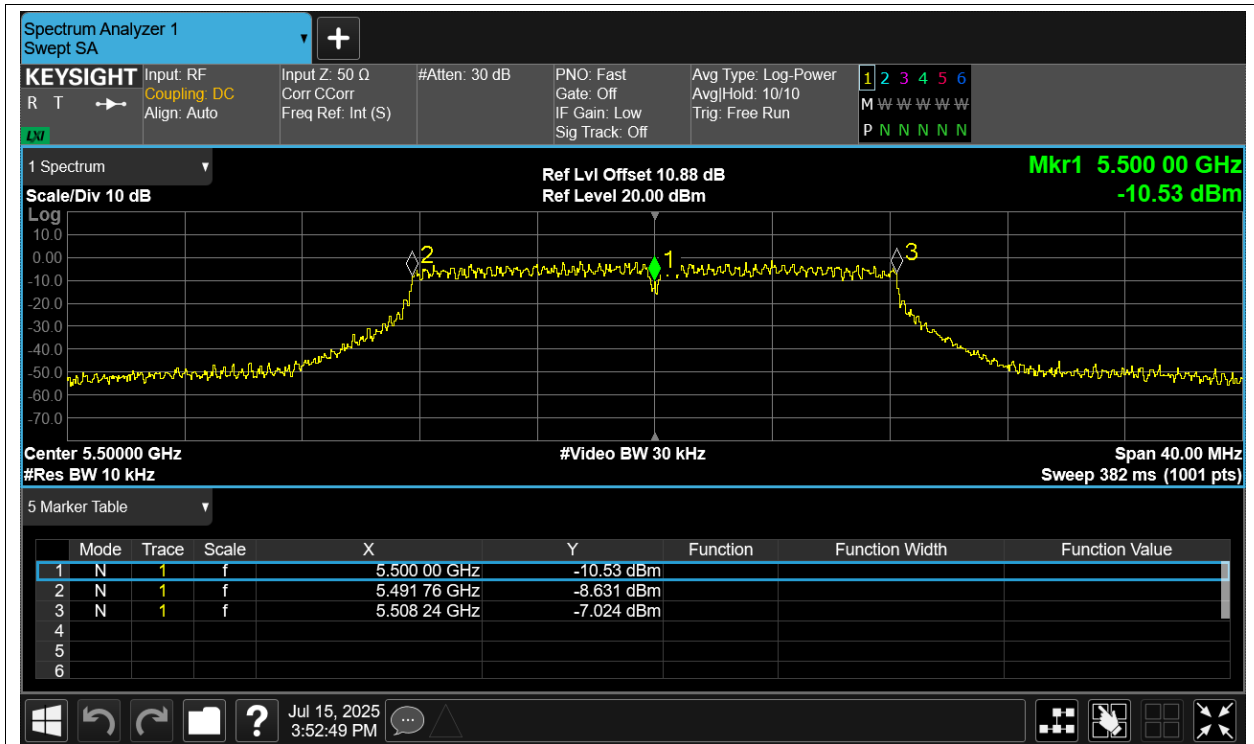
Freq. Stability NVLT a 5500MHz Ant1



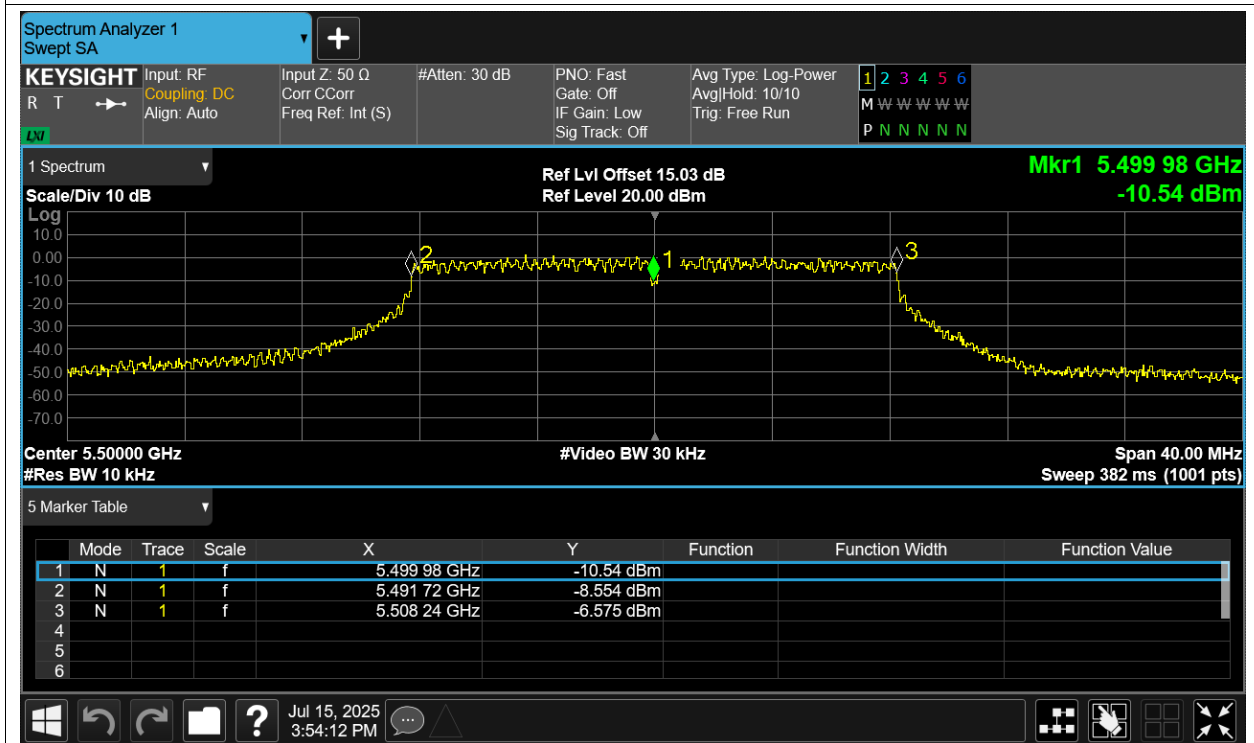
Freq. Stability NVLT a 5500MHz Ant2



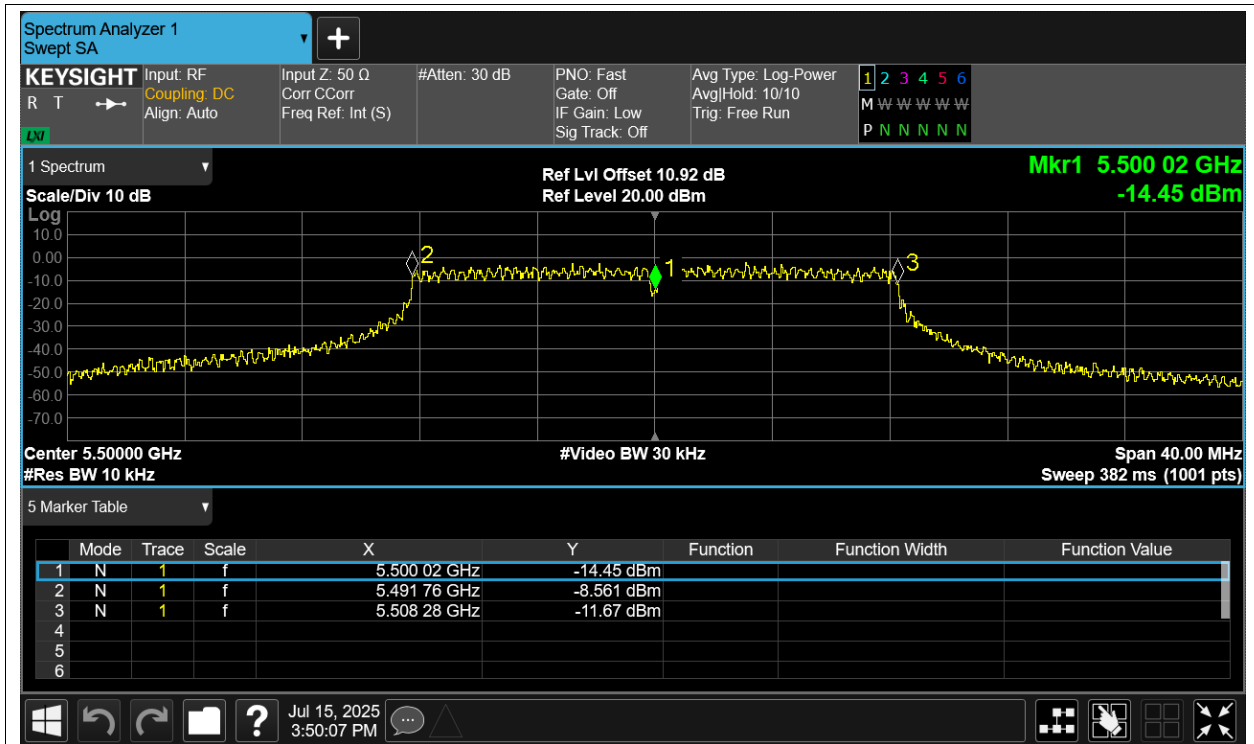
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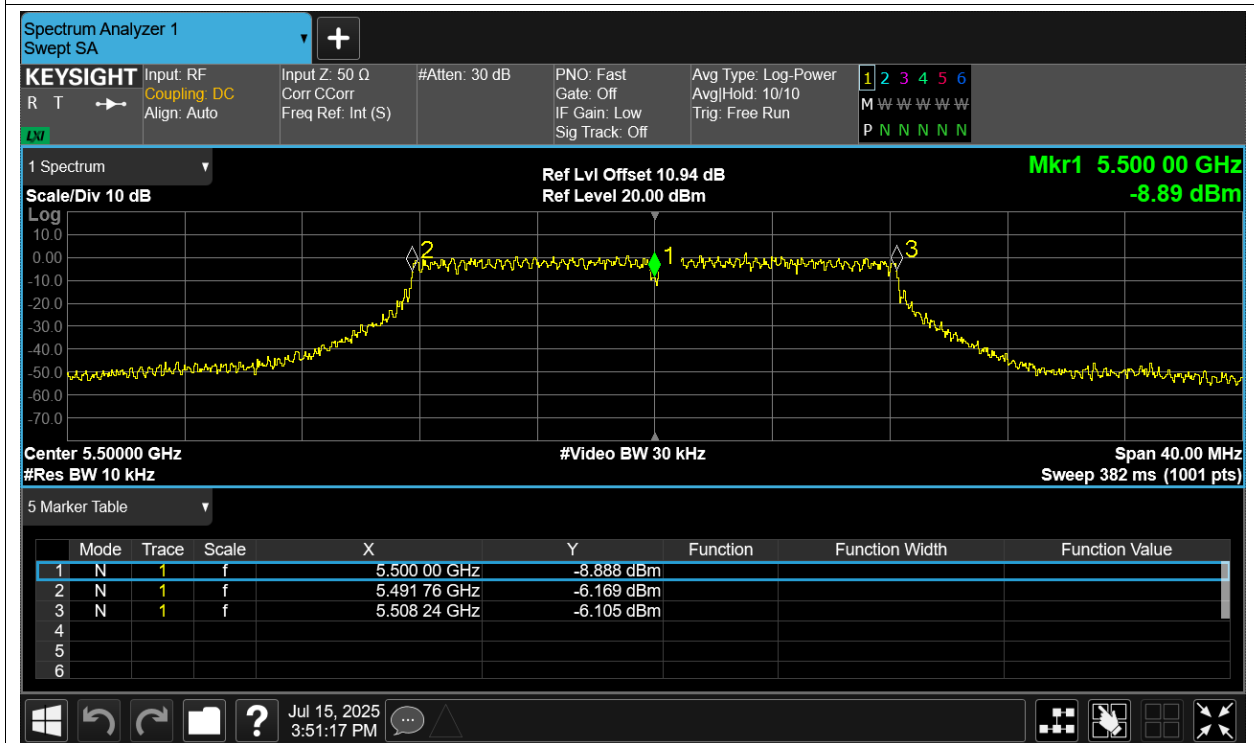
Freq. Stability NVLT a 5500MHz Ant4



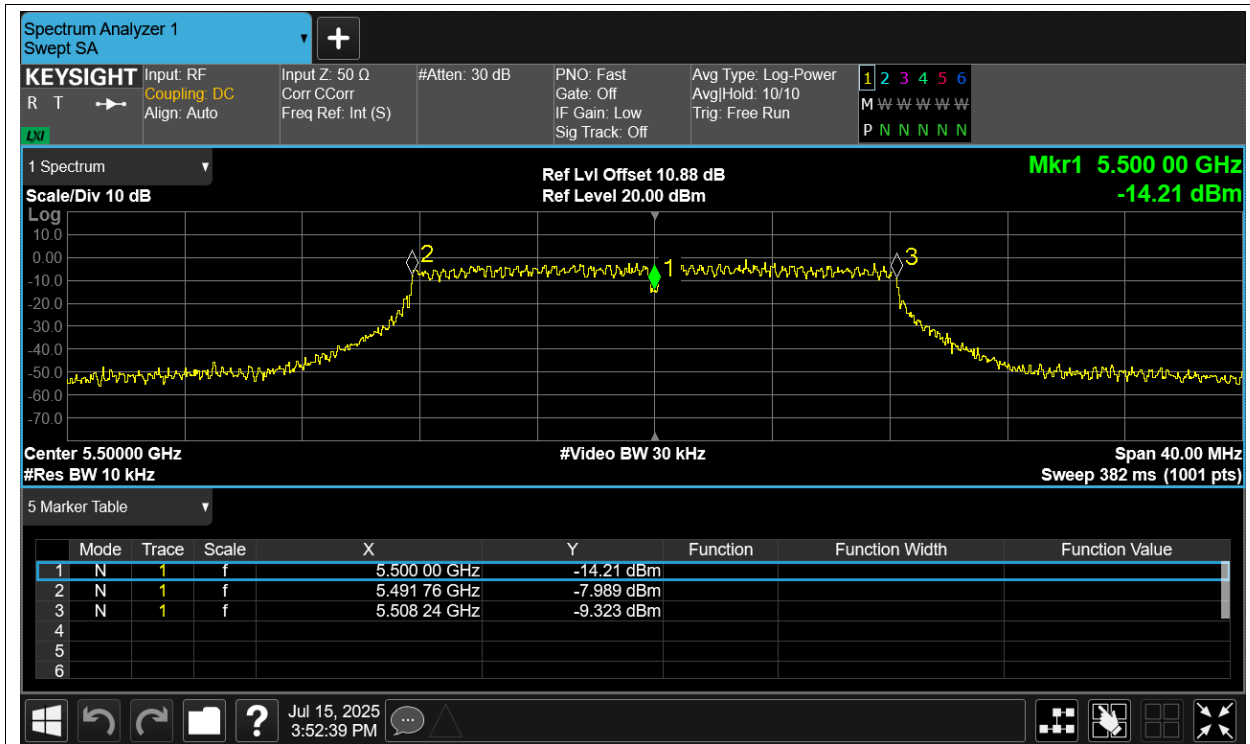
Freq. Stability NVNT a 5500MHz Ant1



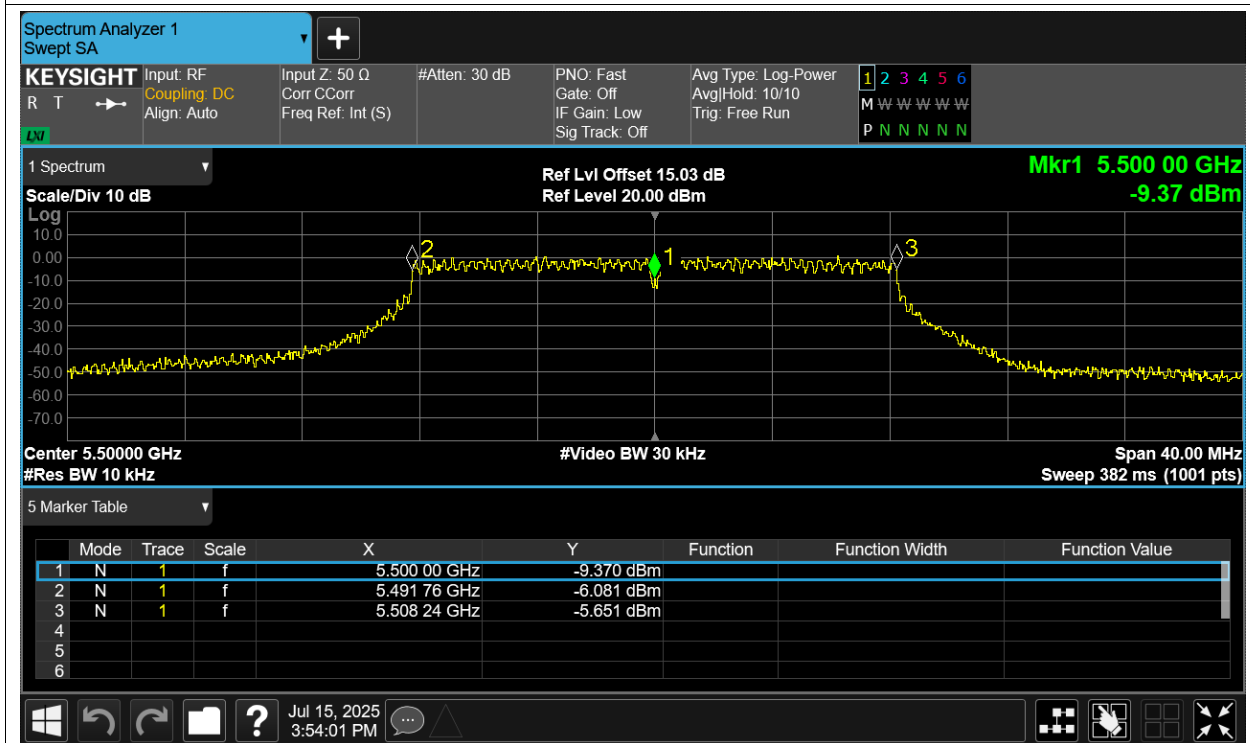
Freq. Stability NVNT a 5500MHz Ant2



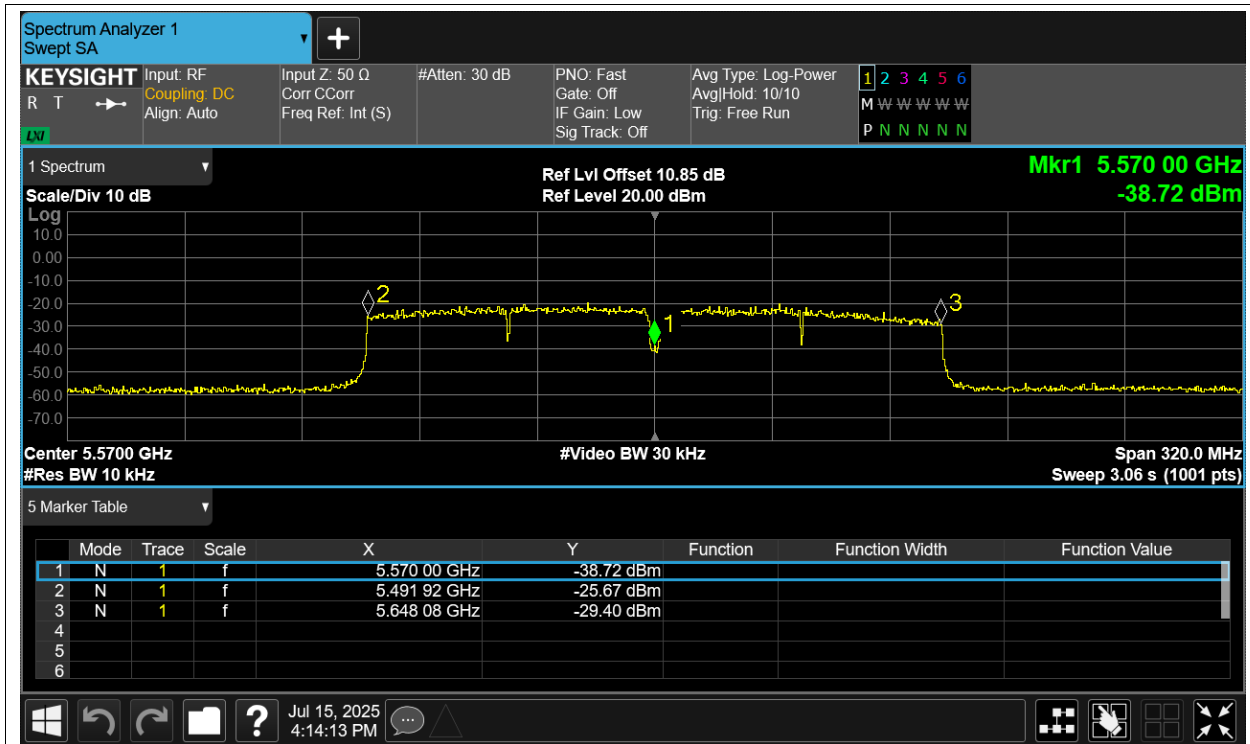
Freq. Stability NVNT a 5500MHz Ant3



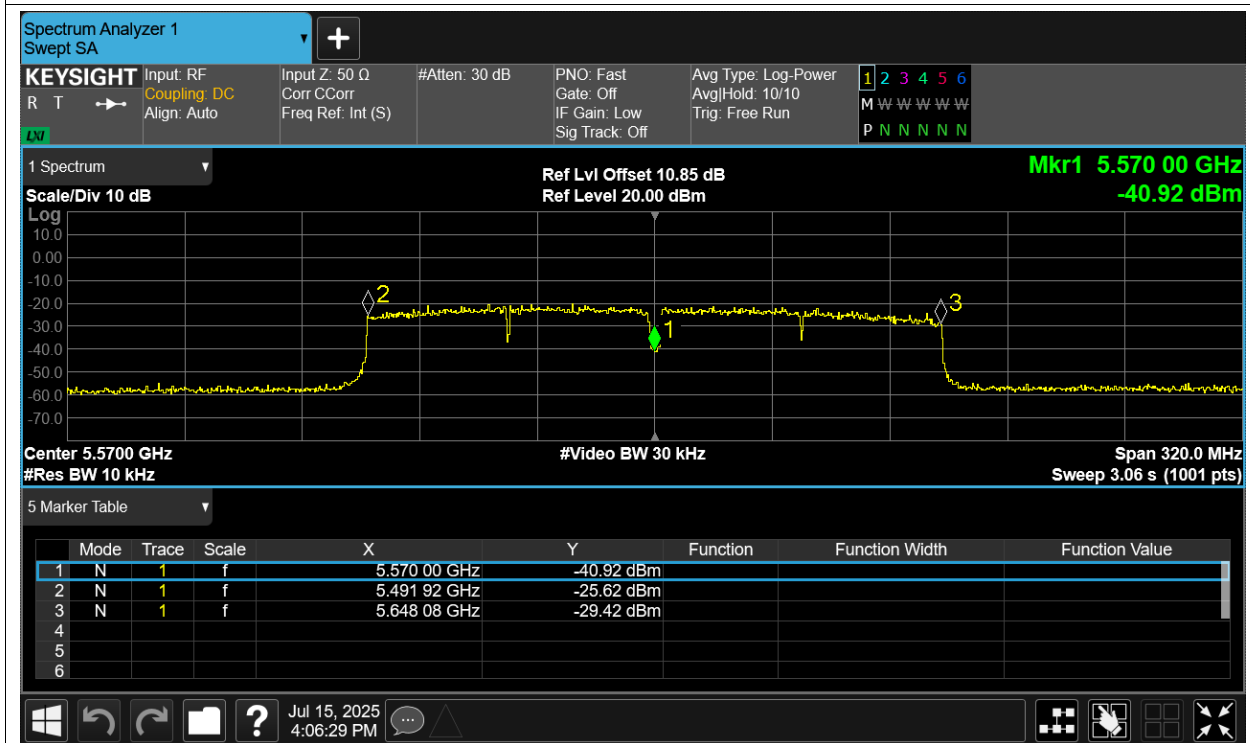
Freq. Stability NVNT a 5500MHz Ant4



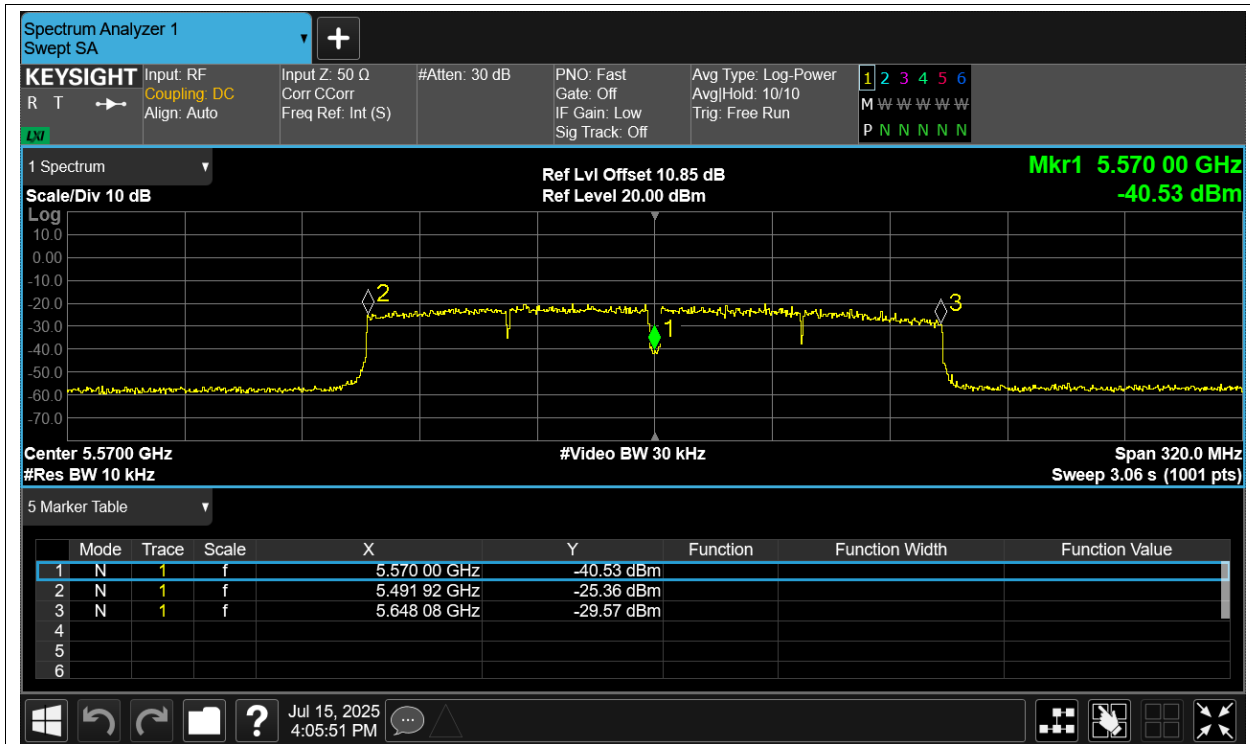
Freq. Stability HVNT ac160 5570MHz Sum



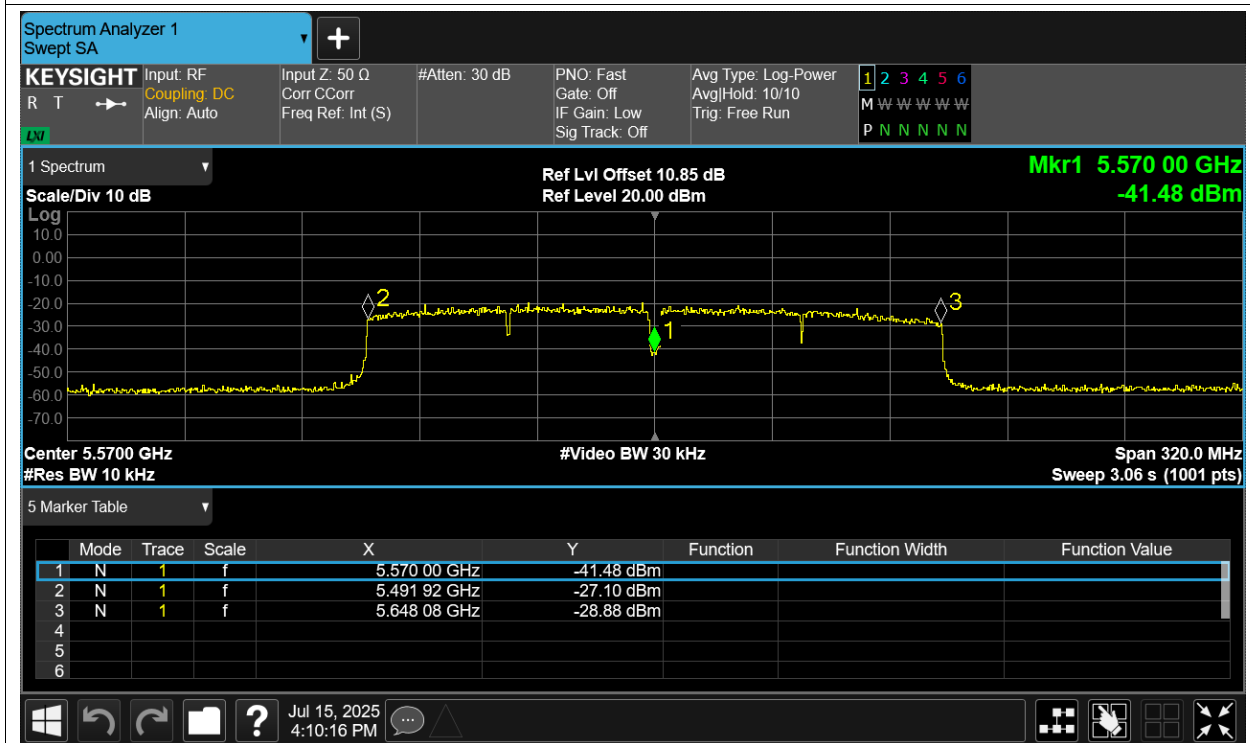
Freq. Stability LVNT ac160 5570MHz Sum



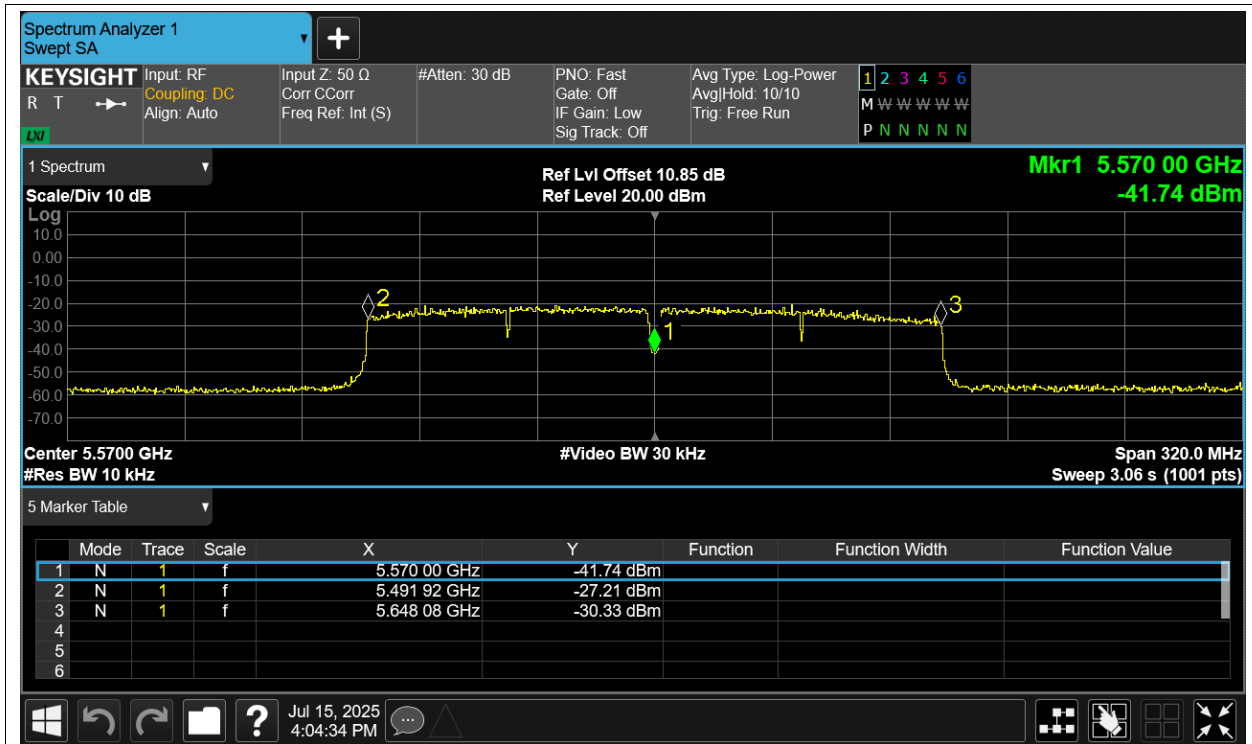
Freq. Stability NVHT ac160 5570MHz Sum



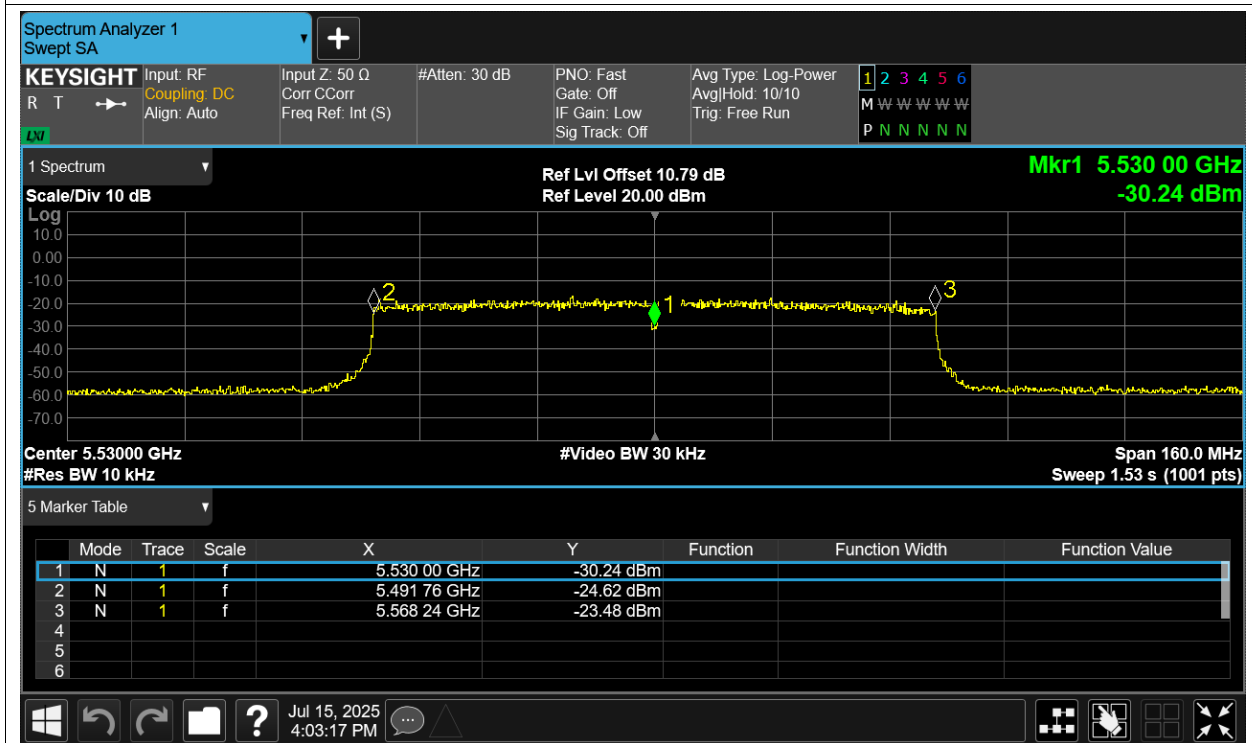
Freq. Stability NVLT ac160 5570MHz Sum



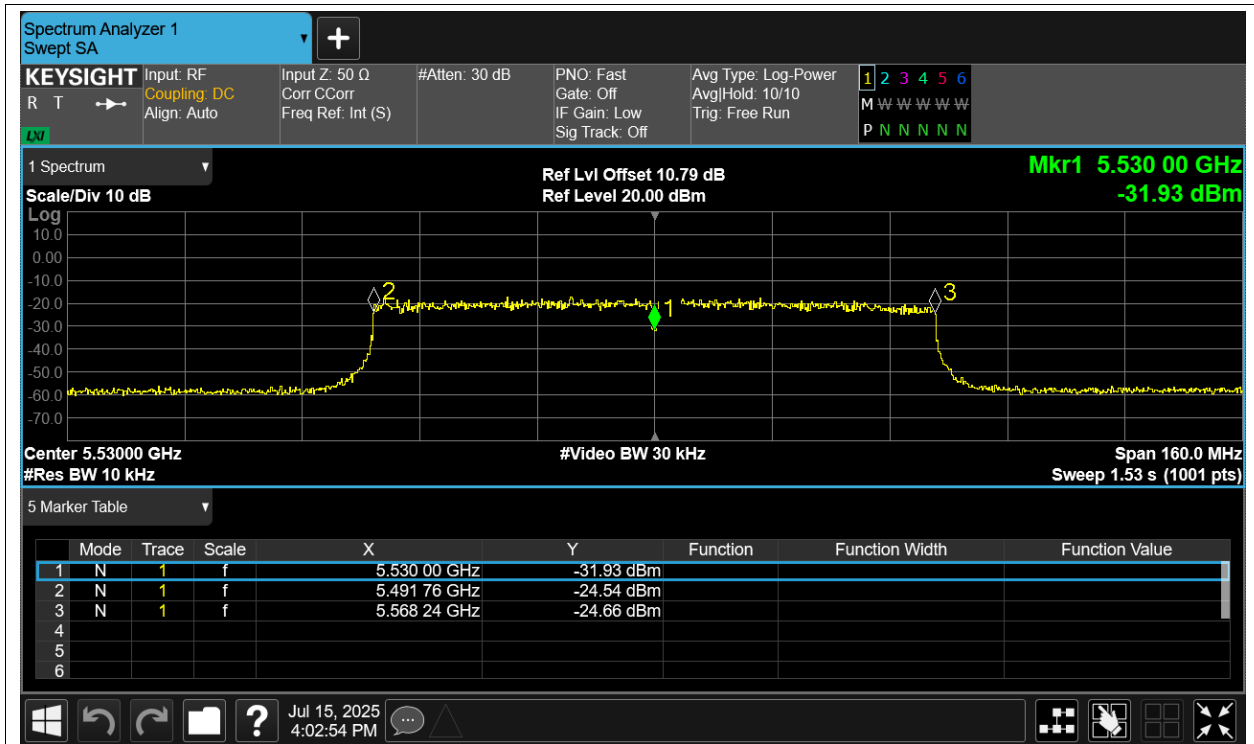
Freq. Stability NVNT ac160 5570MHz Sum



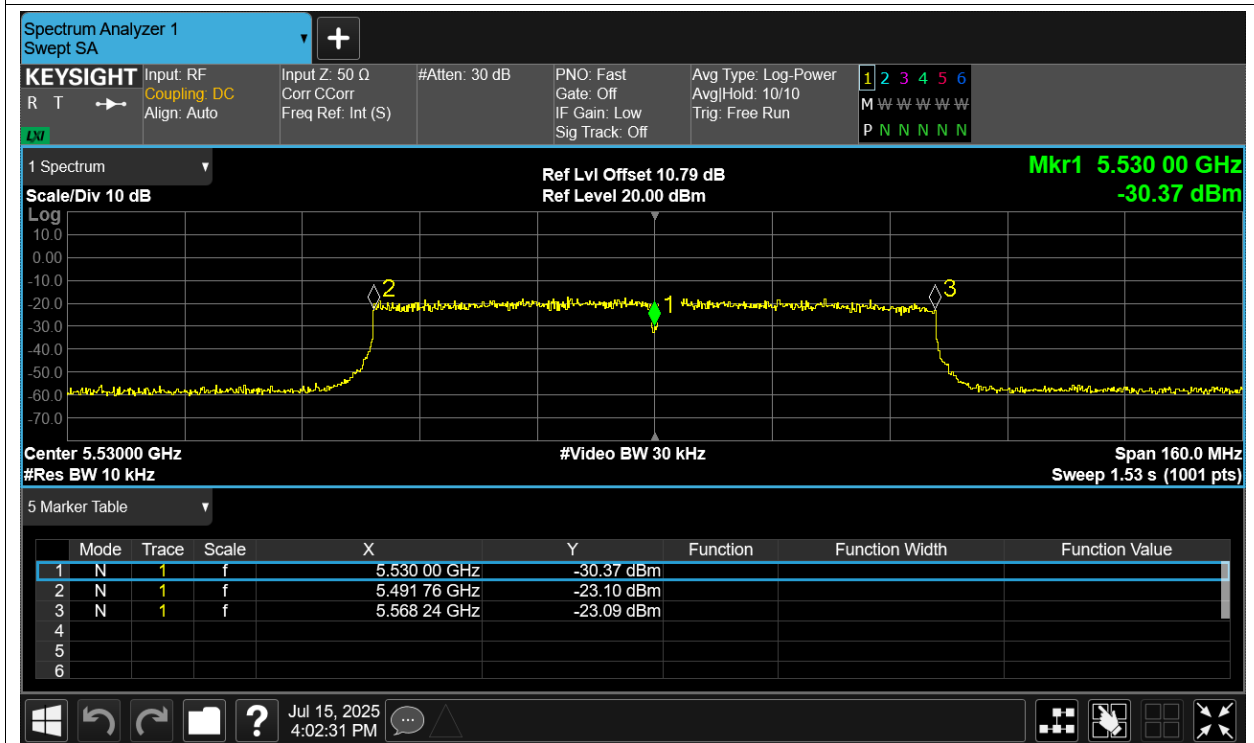
Freq. Stability HVNT ac80 5530MHz Sum



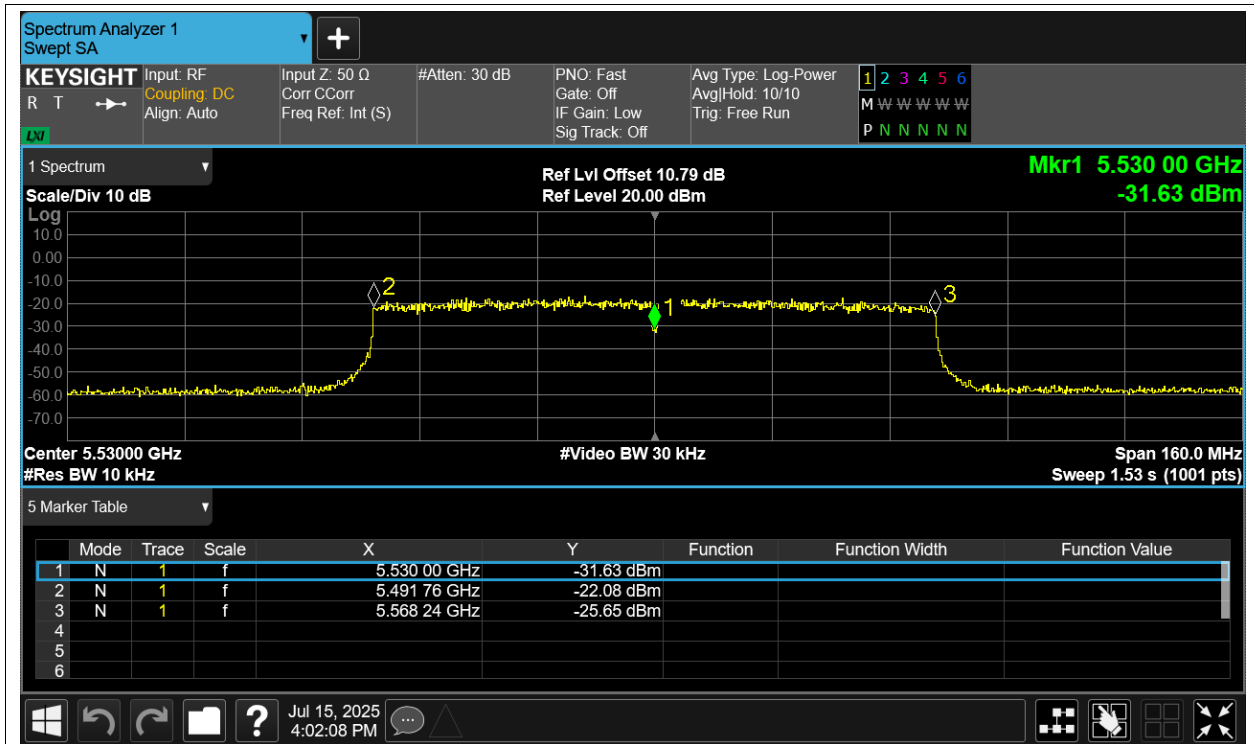
Freq. Stability LVNT ac80 5530MHz Sum



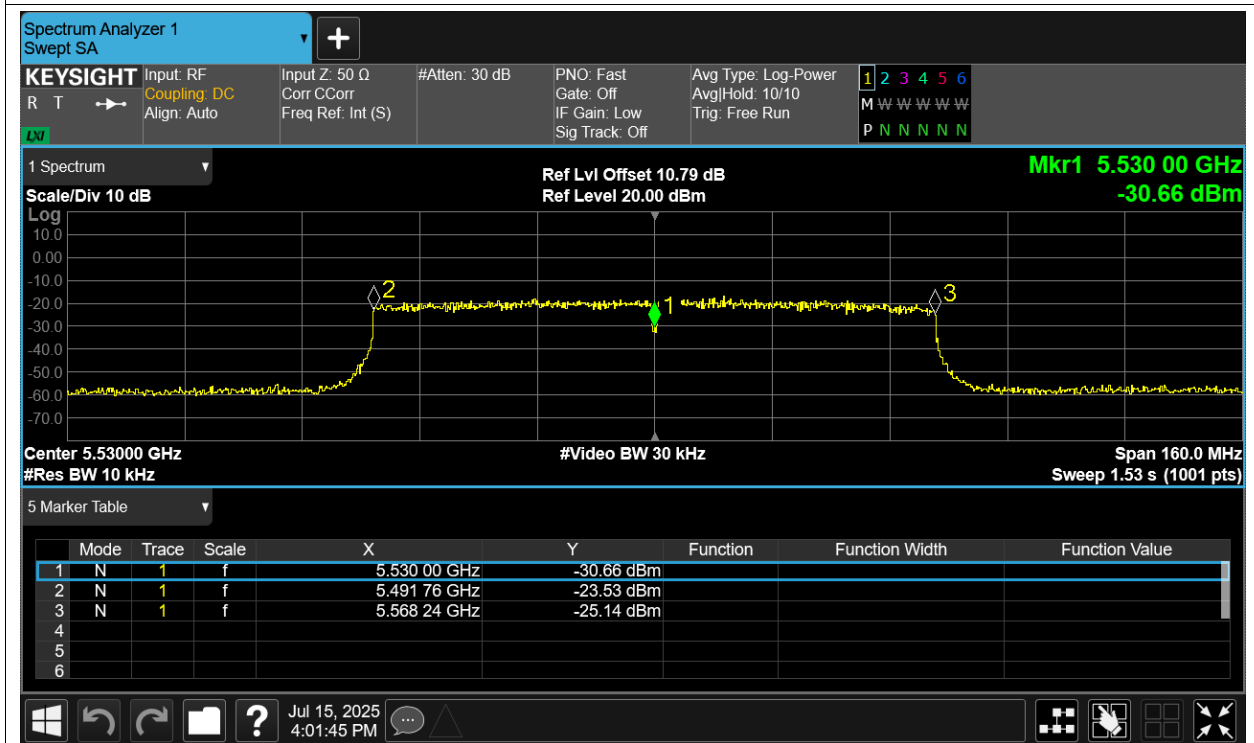
Freq. Stability NVHT ac80 5530MHz Sum



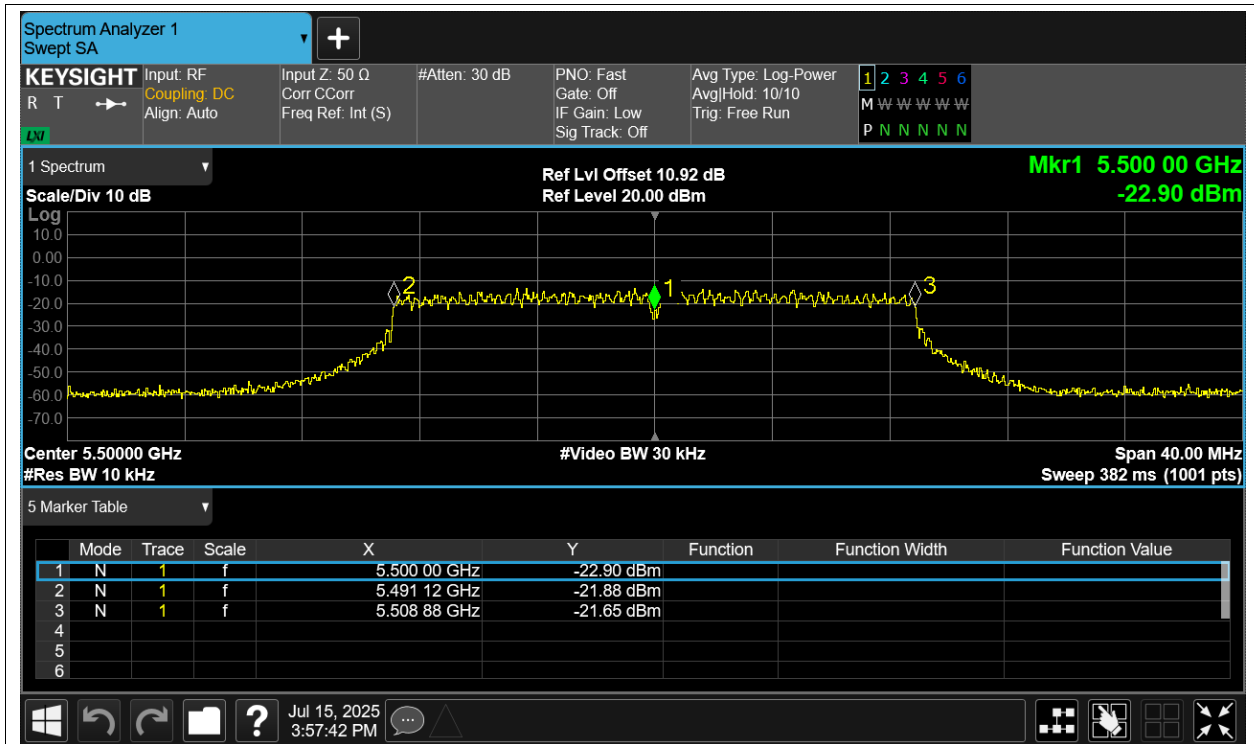
Freq. Stability NVLT ac80 5530MHz Sum



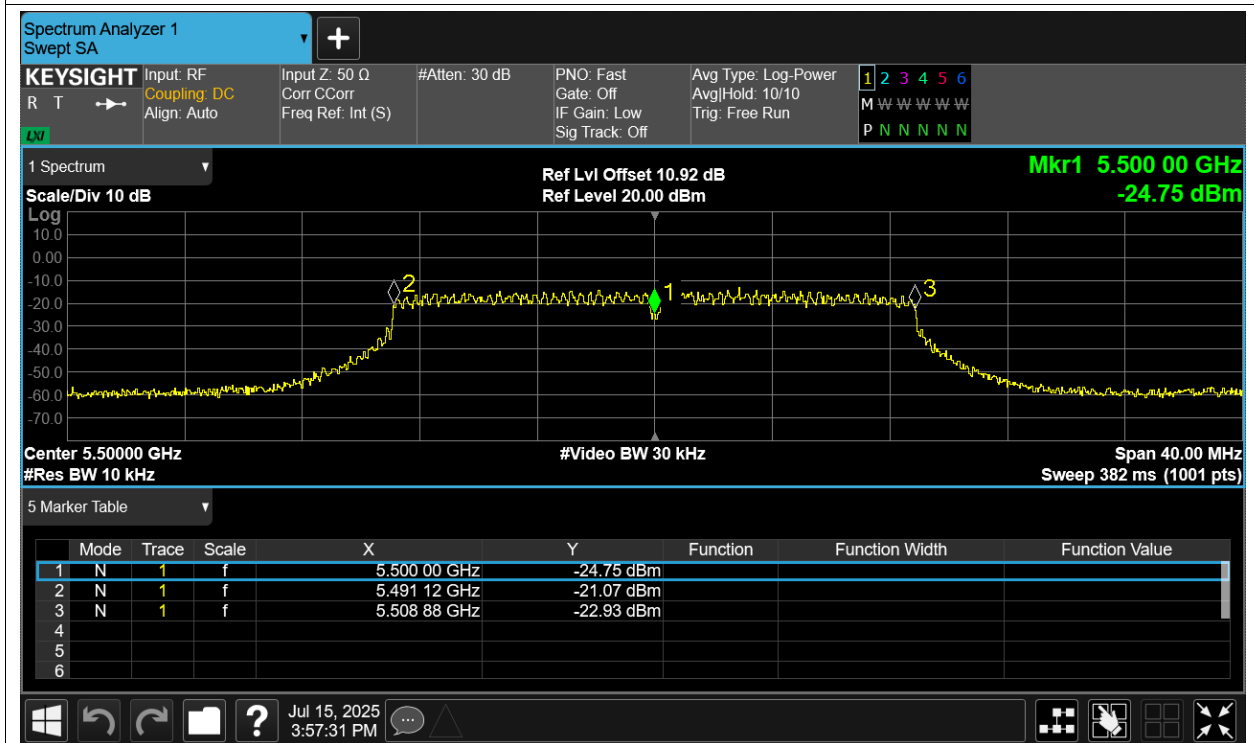
Freq. Stability NVNT ac80 5530MHz Sum



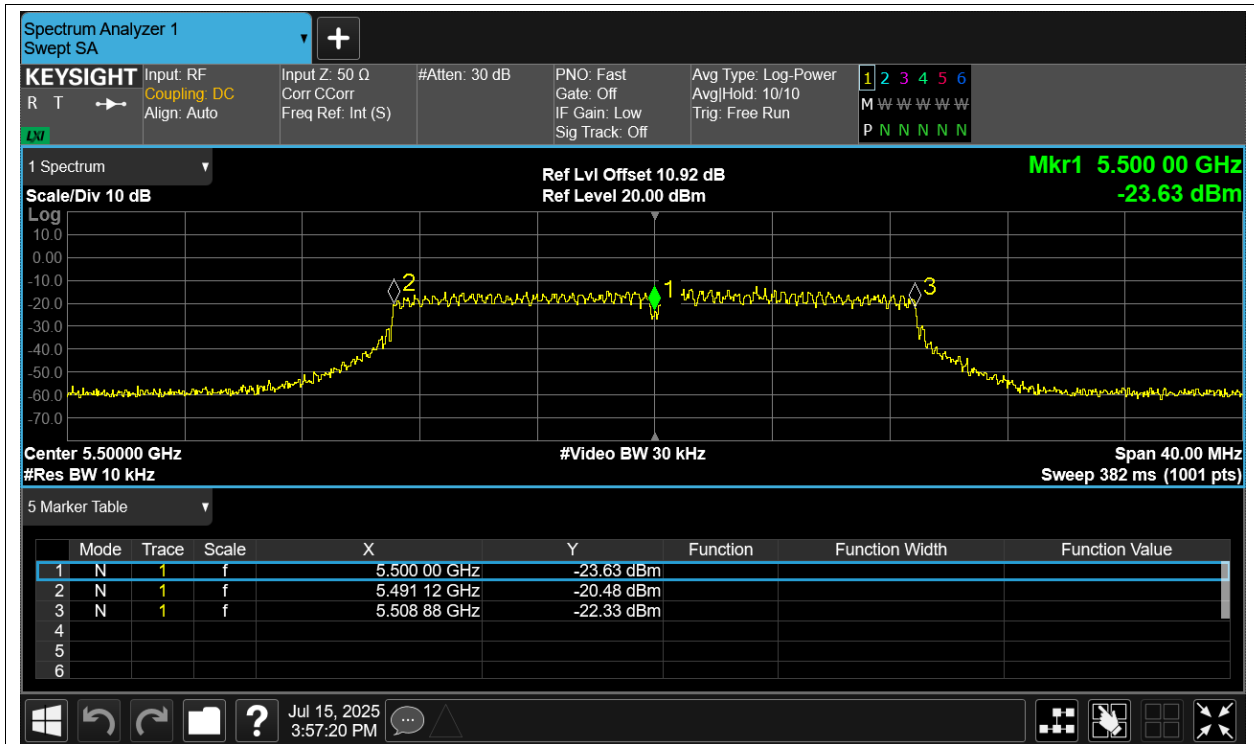
Freq. Stability HVNT n20 5500MHz Sum



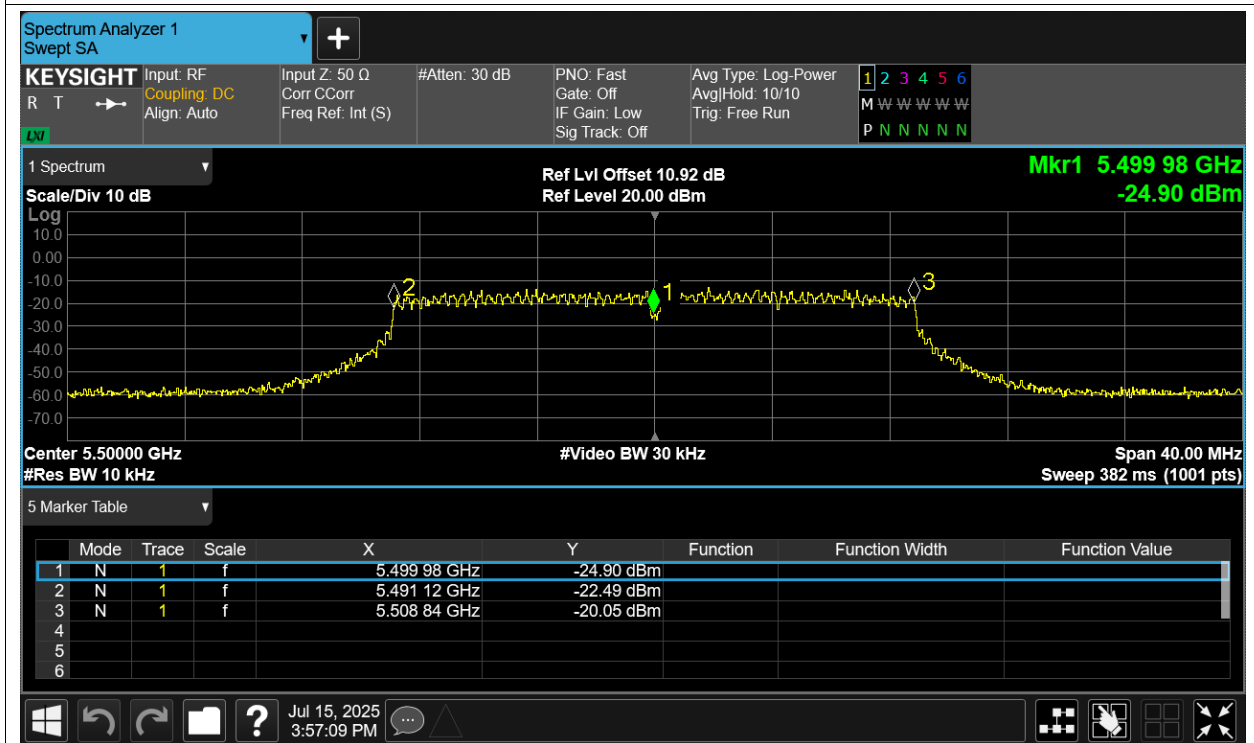
Freq. Stability LVNT n20 5500MHz Sum



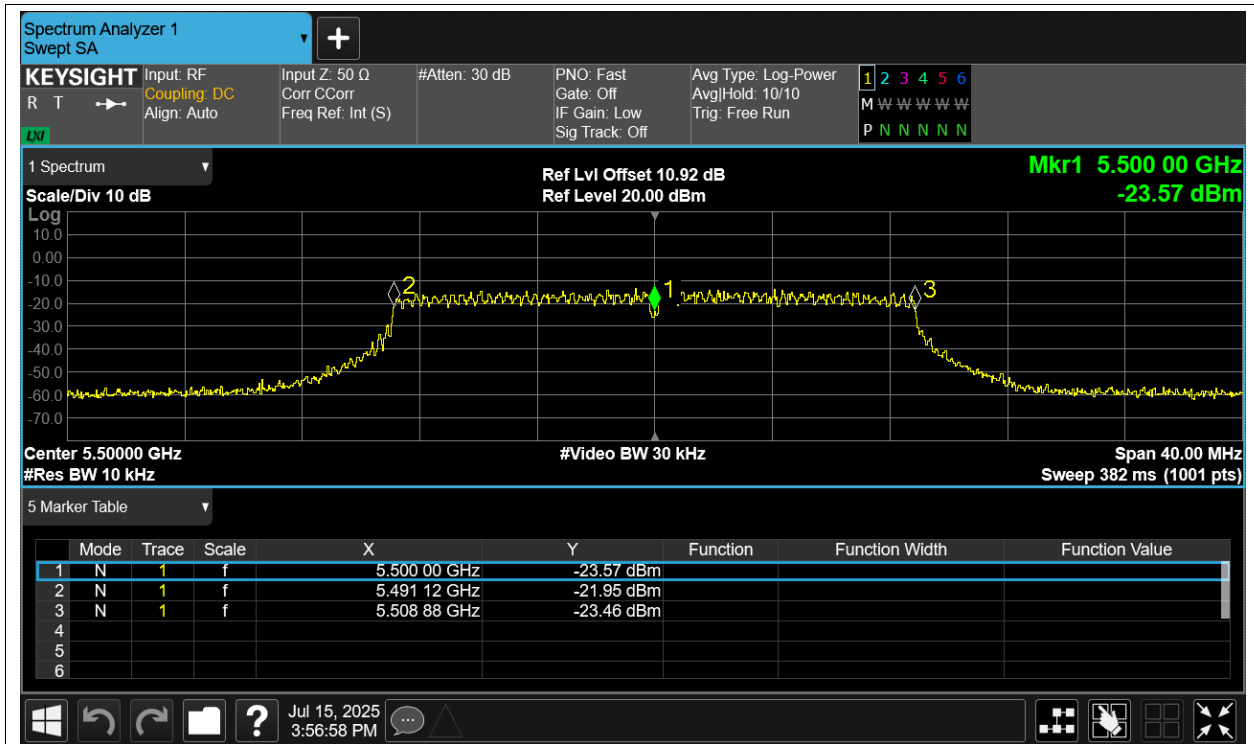
Freq. Stability NVHT n20 5500MHz Sum



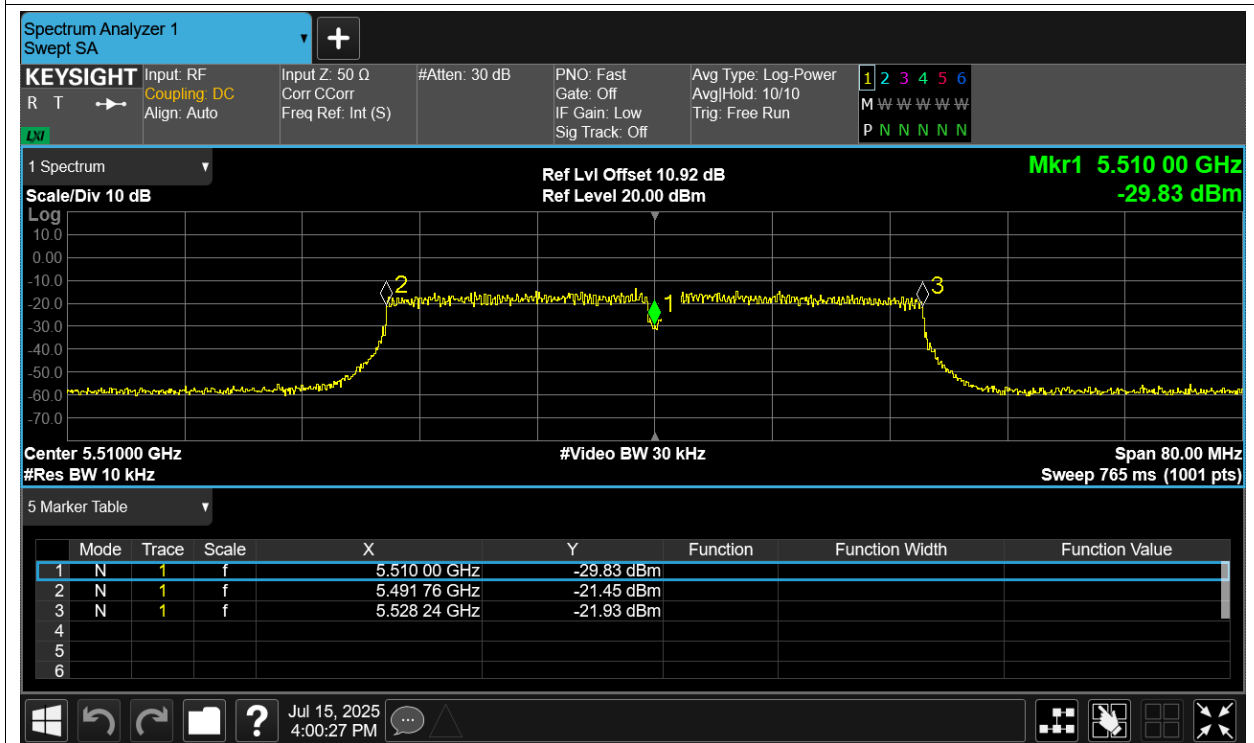
Freq. Stability NVLT n20 5500MHz Sum



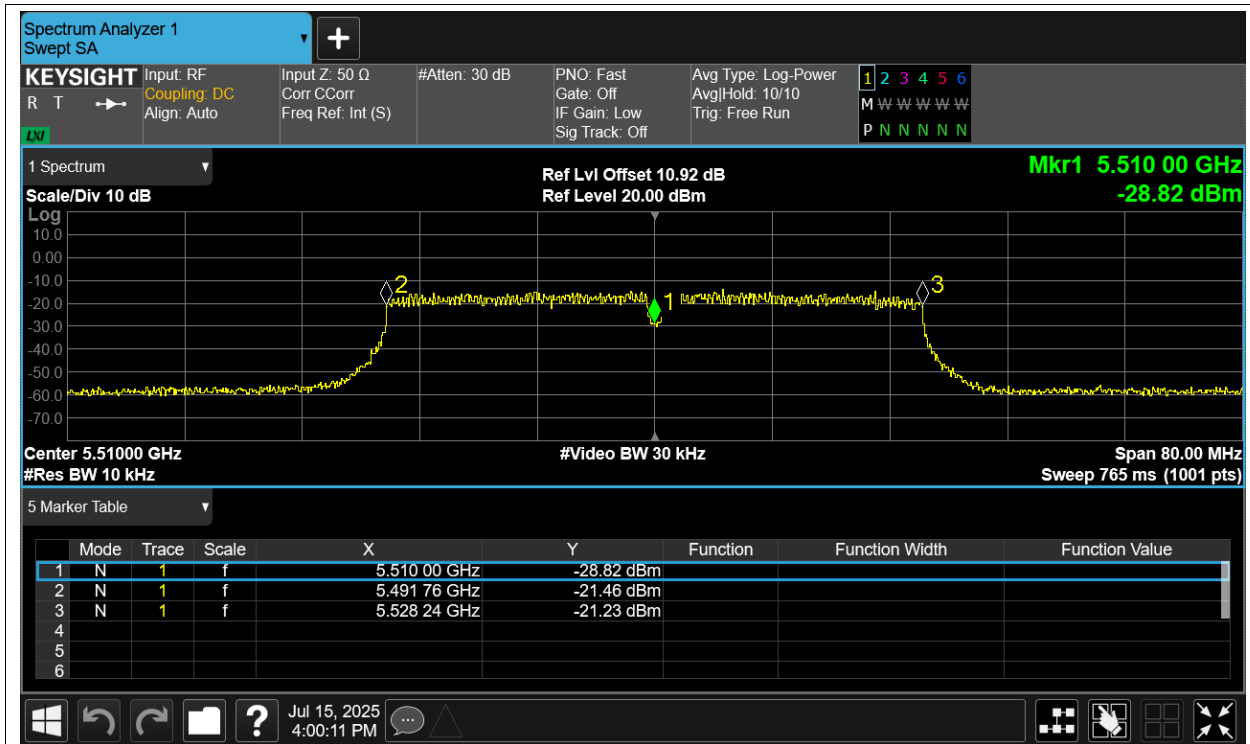
Freq. Stability NVNT n20 5500MHz Sum



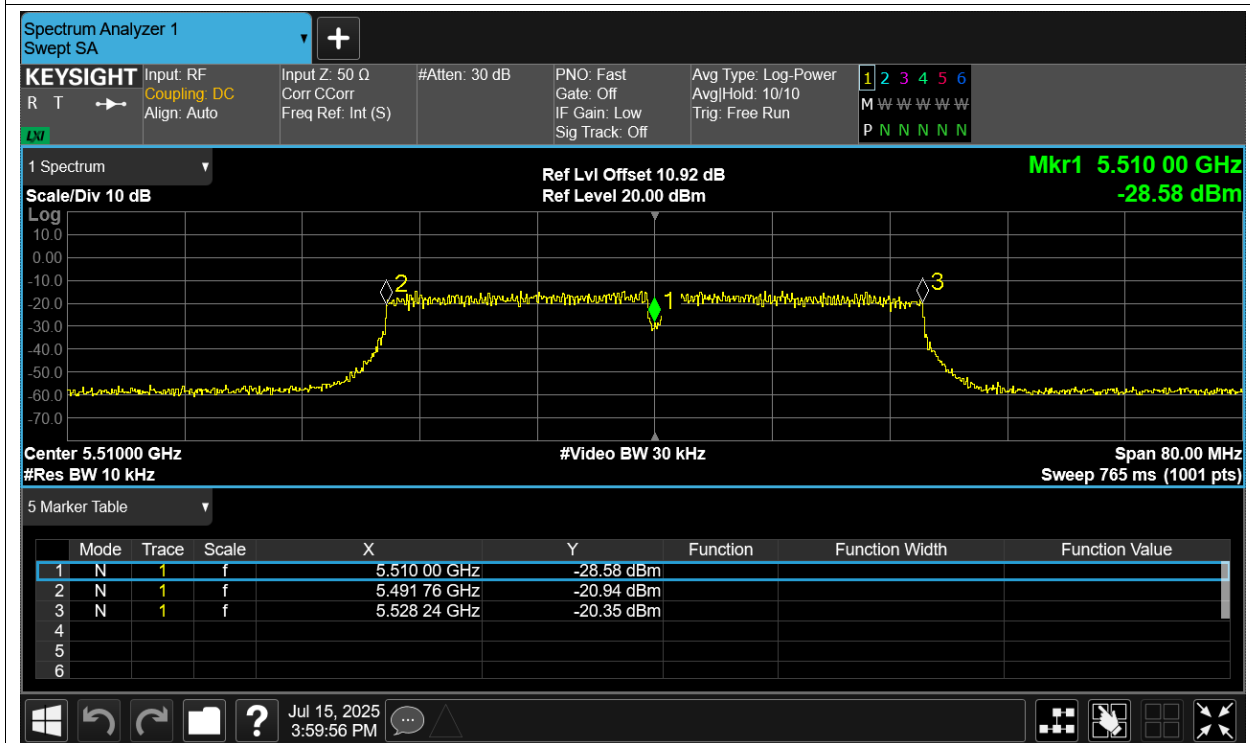
Freq. Stability HVNT n40 5510MHz Sum



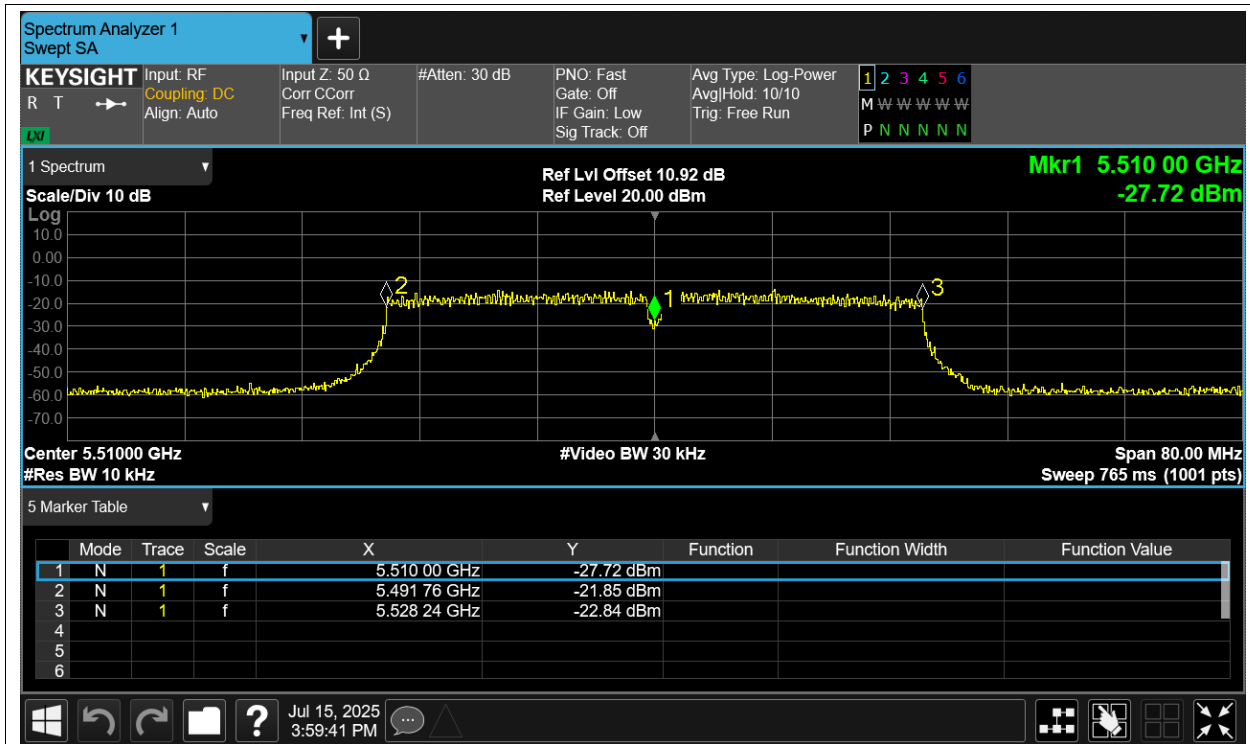
Freq. Stability LVNT n40 5510MHz Sum



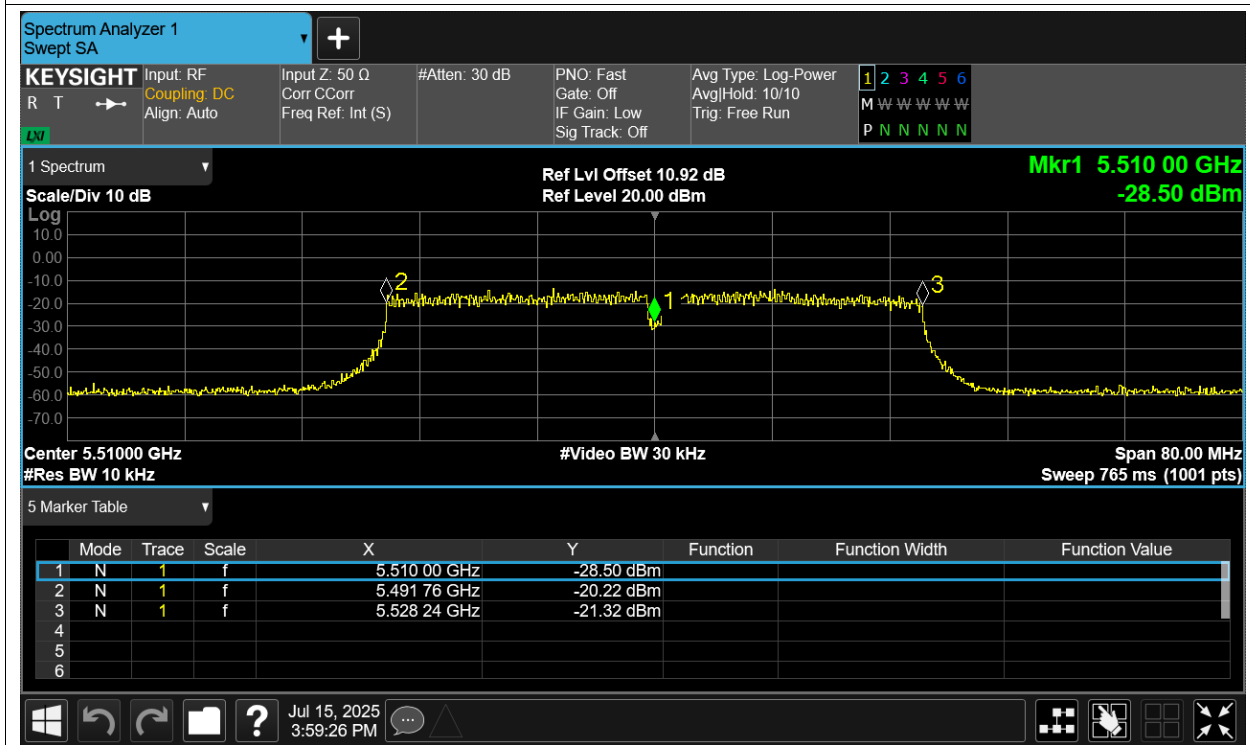
Freq. Stability NVHT n40 5510MHz Sum



Freq. Stability NVLT n40 5510MHz Sum



Freq. Stability NVNT n40 5510MHz Sum

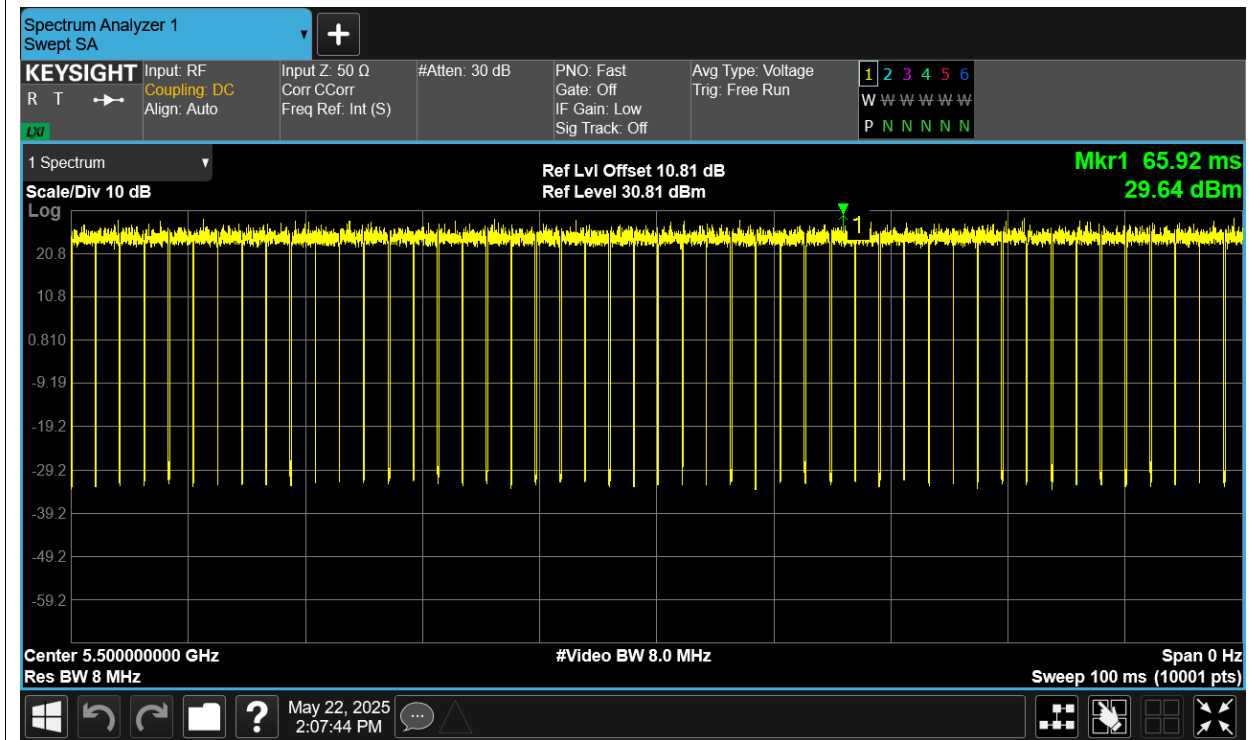


## Duty Cycle

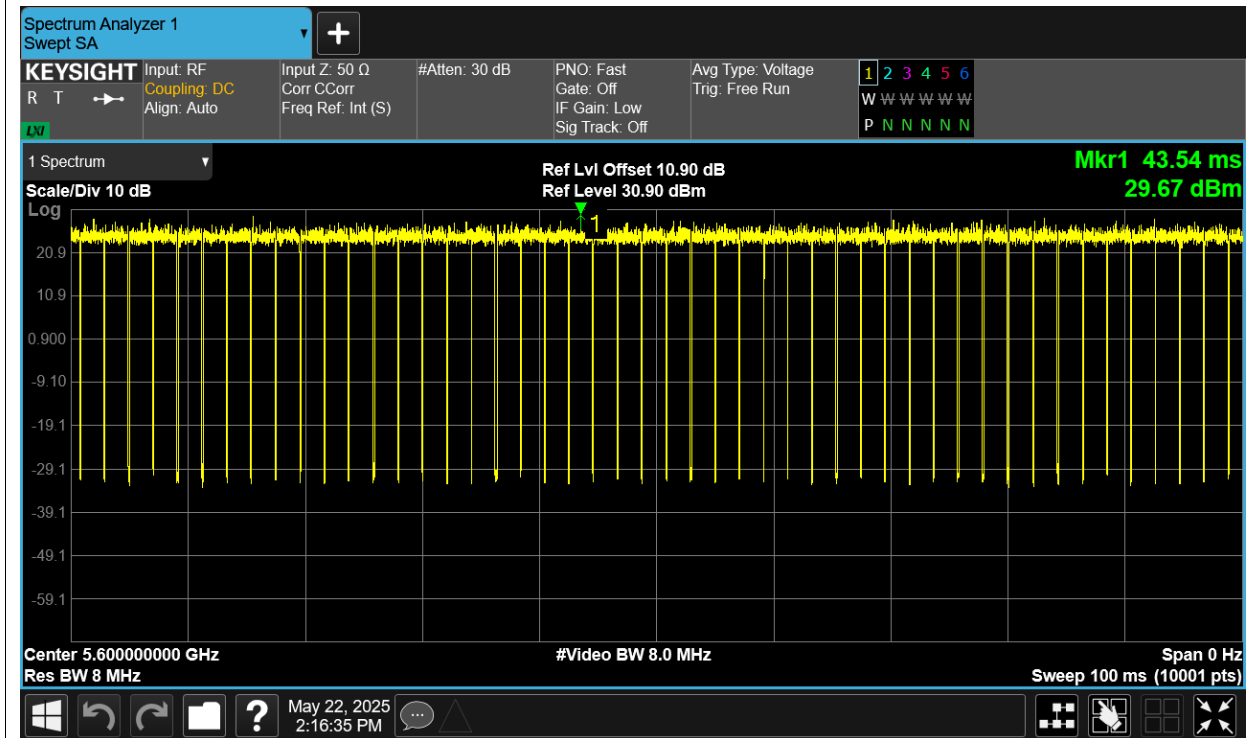
| Condition | Mode  | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) |
|-----------|-------|-----------------|---------|----------------|------------------------|
| NVNT      | a     | 5500            | Ant1    | 94.89          | 0.23                   |
| NVNT      | a     | 5600            | Ant1    | 95.28          | 0.21                   |
| NVNT      | a     | 5700            | Ant1    | 95.02          | 0.22                   |
| NVNT      | a     | 5500            | Ant2    | 95.42          | 0.2                    |
| NVNT      | a     | 5600            | Ant2    | 95.3           | 0.21                   |
| NVNT      | a     | 5700            | Ant2    | 95.19          | 0.21                   |
| NVNT      | a     | 5500            | Ant3    | 94.47          | 0.25                   |
| NVNT      | a     | 5600            | Ant3    | 95.21          | 0.21                   |
| NVNT      | a     | 5700            | Ant3    | 95.6           | 0.2                    |
| NVNT      | a     | 5500            | Ant4    | 95.15          | 0.22                   |
| NVNT      | a     | 5600            | Ant4    | 95.34          | 0.21                   |
| NVNT      | a     | 5700            | Ant4    | 95.49          | 0.2                    |
| NVNT      | ac160 | 5570            | Sum     | 95.23          | 0.21                   |
| NVNT      | ac20  | 5500            | Sum     | 97.98          | 0.09                   |
| NVNT      | ac20  | 5600            | Sum     | 98.01          | 0.09                   |
| NVNT      | ac20  | 5700            | Sum     | 98.23          | 0.08                   |
| NVNT      | ac40  | 5510            | Sum     | 98.07          | 0.08                   |
| NVNT      | ac40  | 5590            | Sum     | 97.86          | 0.09                   |
| NVNT      | ac40  | 5670            | Sum     | 98.03          | 0.09                   |
| NVNT      | ac80  | 5530            | Sum     | 95.44          | 0.2                    |
| NVNT      | ac80  | 5610            | Sum     | 95.36          | 0.21                   |
| NVNT      | ax160 | 5570            | Sum     | 95.83          | 0.18                   |
| NVNT      | ax20  | 5500            | Sum     | 97.93          | 0.09                   |
| NVNT      | ax20  | 5600            | Sum     | 97.84          | 0.09                   |
| NVNT      | ax20  | 5700            | Sum     | 97.98          | 0.09                   |
| NVNT      | ax40  | 5510            | Sum     | 97.41          | 0.11                   |
| NVNT      | ax40  | 5590            | Sum     | 97.41          | 0.11                   |
| NVNT      | ax40  | 5670            | Sum     | 97.64          | 0.1                    |
| NVNT      | ax80  | 5530            | Sum     | 95.75          | 0.19                   |
| NVNT      | ax80  | 5610            | Sum     | 95.59          | 0.2                    |
| NVNT      | n20   | 5500            | Sum     | 97.83          | 0.1                    |
| NVNT      | n20   | 5600            | Sum     | 98.18          | 0.08                   |
| NVNT      | n20   | 5700            | Sum     | 98.07          | 0.08                   |
| NVNT      | n40   | 5510            | Sum     | 97.8           | 0.1                    |
| NVNT      | n40   | 5590            | Sum     | 98.16          | 0.08                   |
| NVNT      | n40   | 5670            | Sum     | 97.87          | 0.09                   |

## Test Graphs

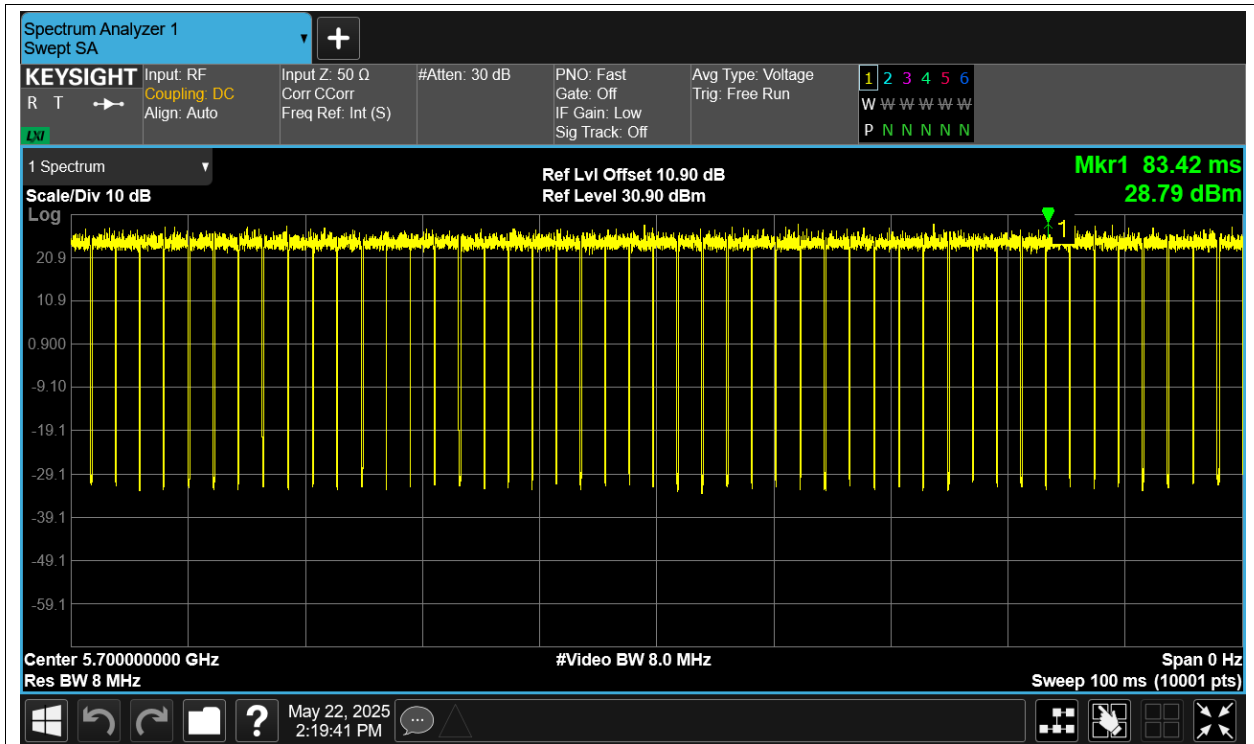
Duty Cycle NVNT a 5500MHz Ant1



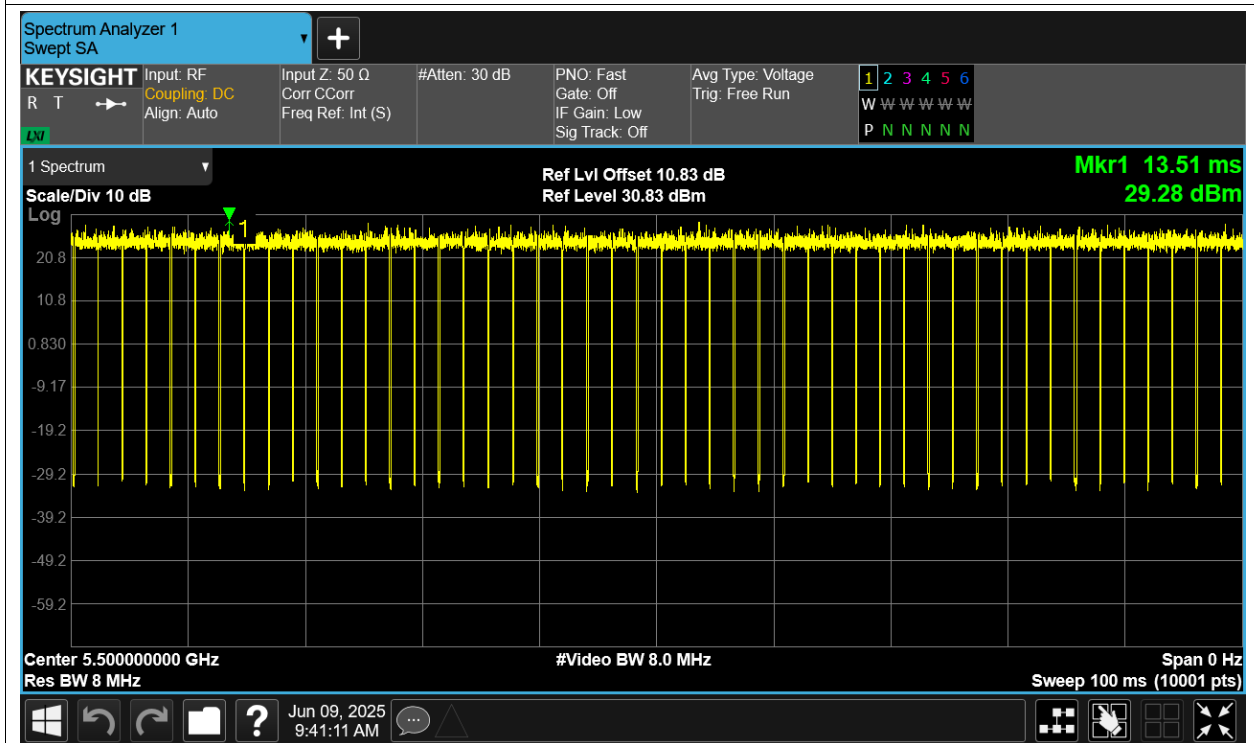
Duty Cycle NVNT a 5600MHz Ant1



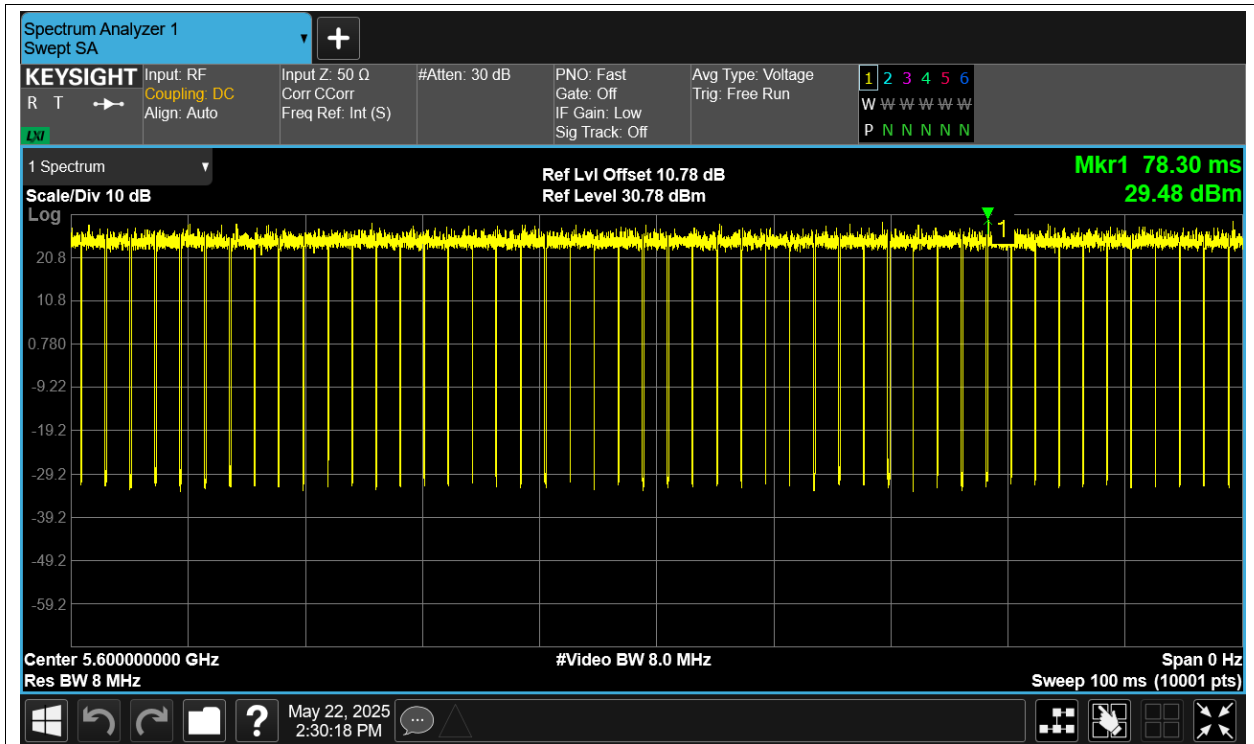
Duty Cycle NVNT a 5700MHz Ant1



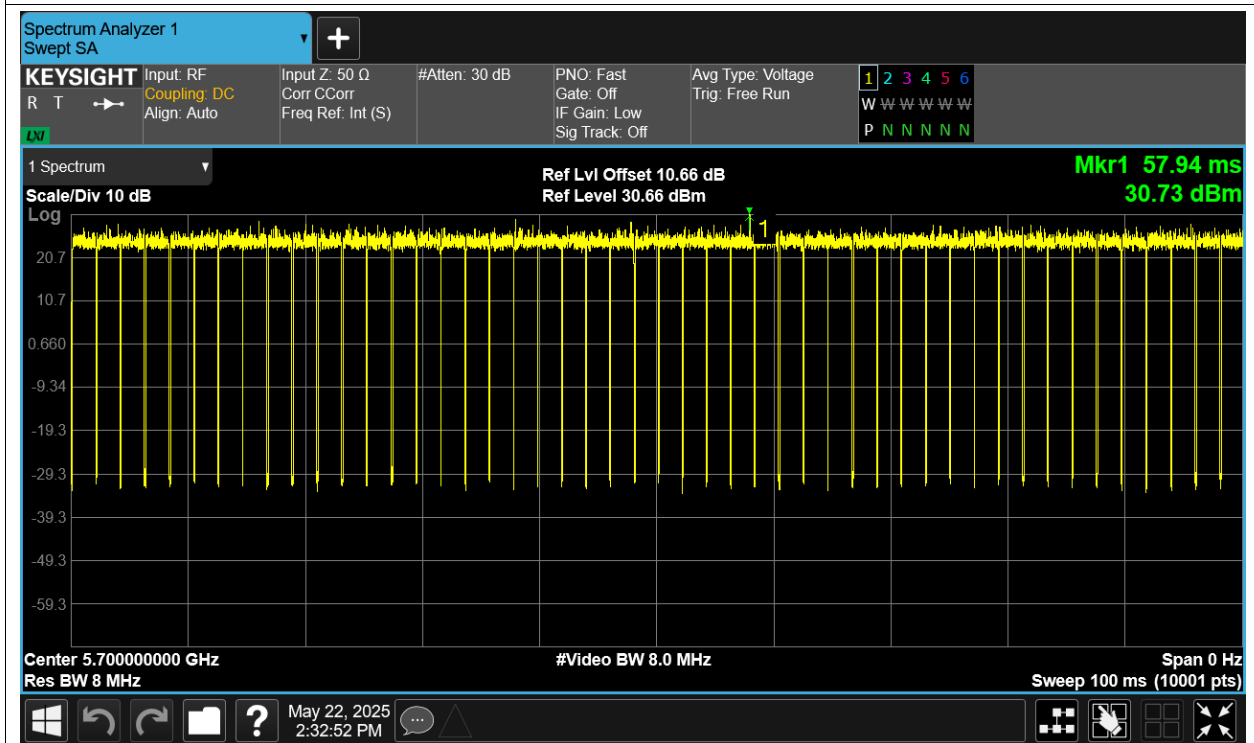
Duty Cycle NVNT a 5500MHz Ant2



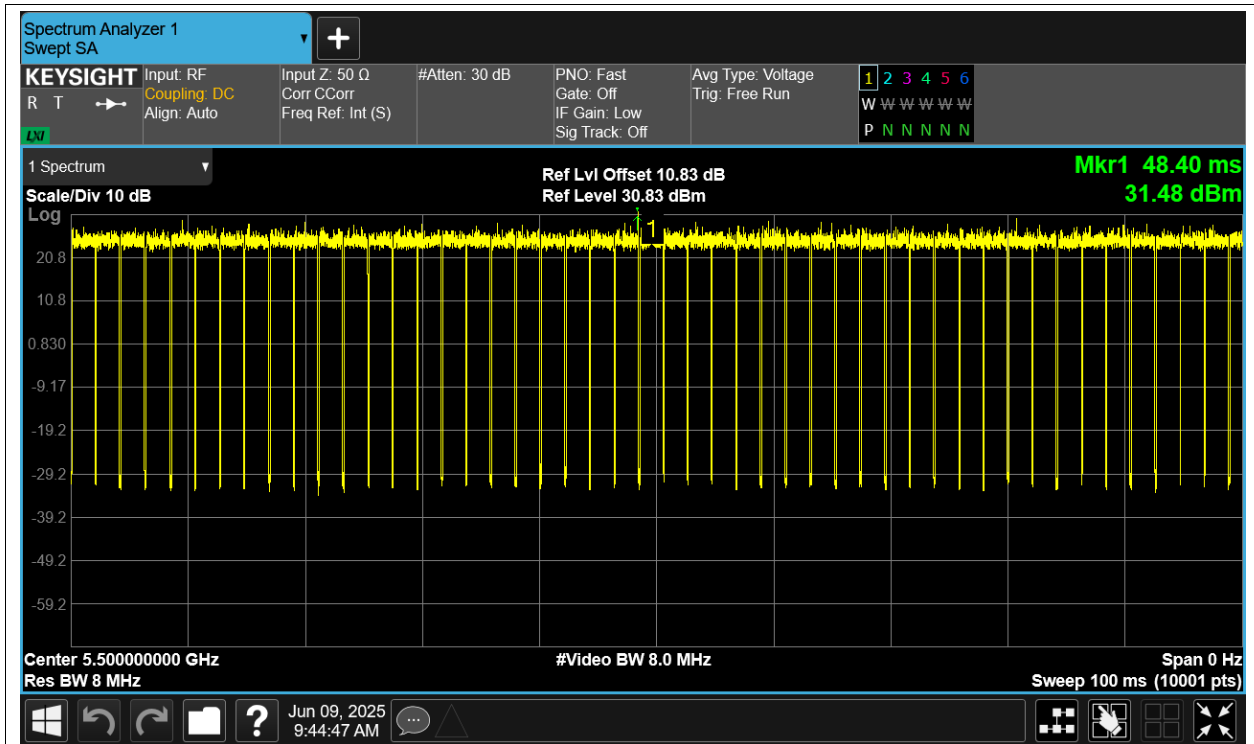
Duty Cycle NVNT a 5600MHz Ant2



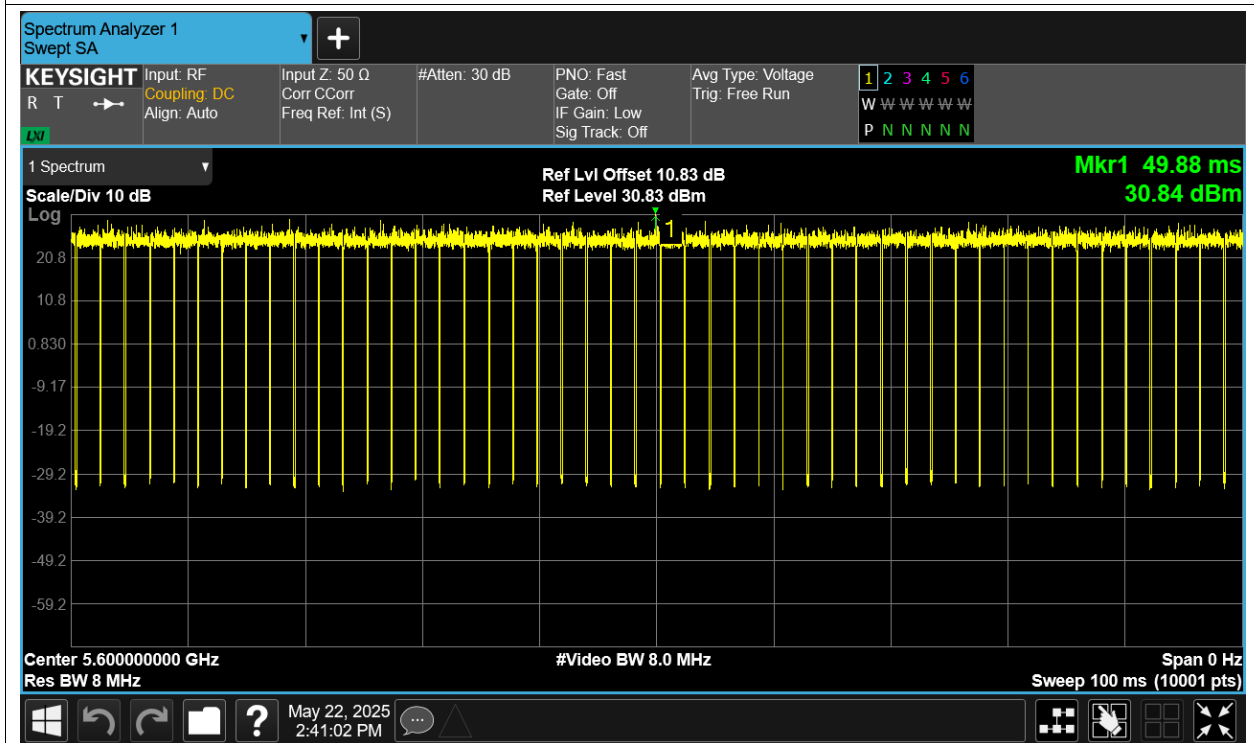
Duty Cycle NVNT a 5700MHz Ant2



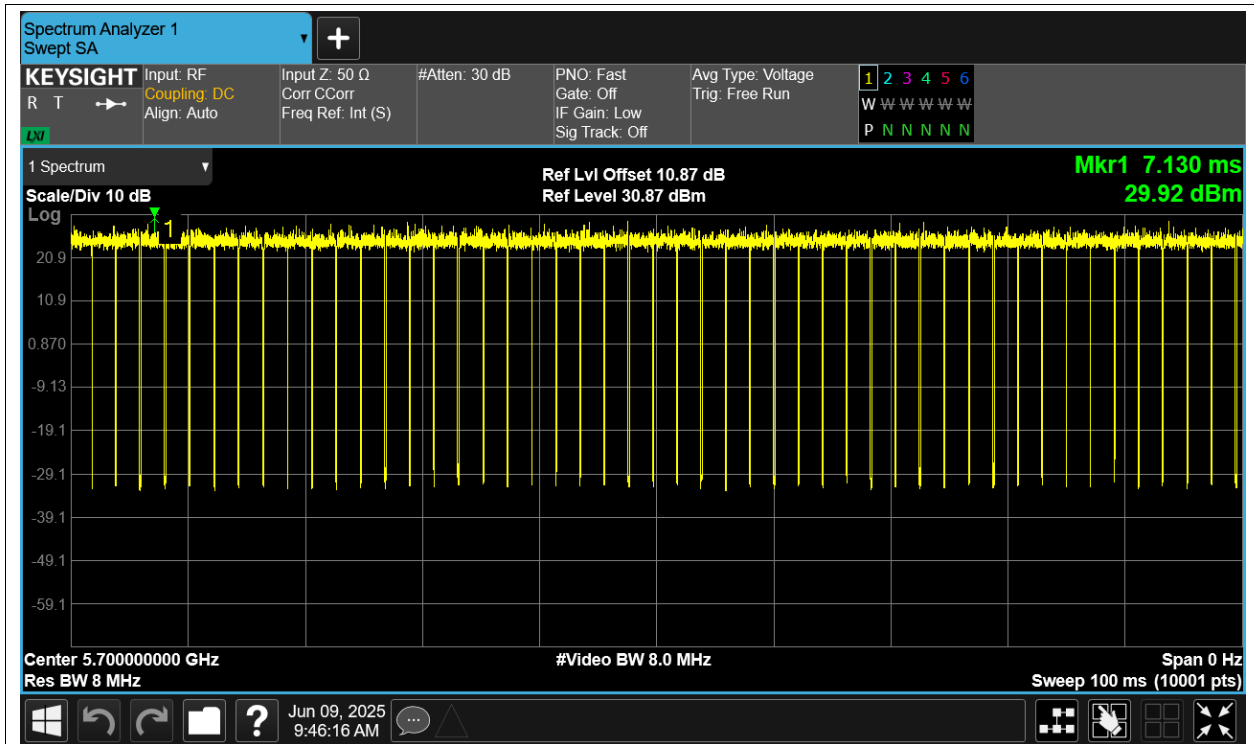
Duty Cycle NVNT a 5500MHz Ant3



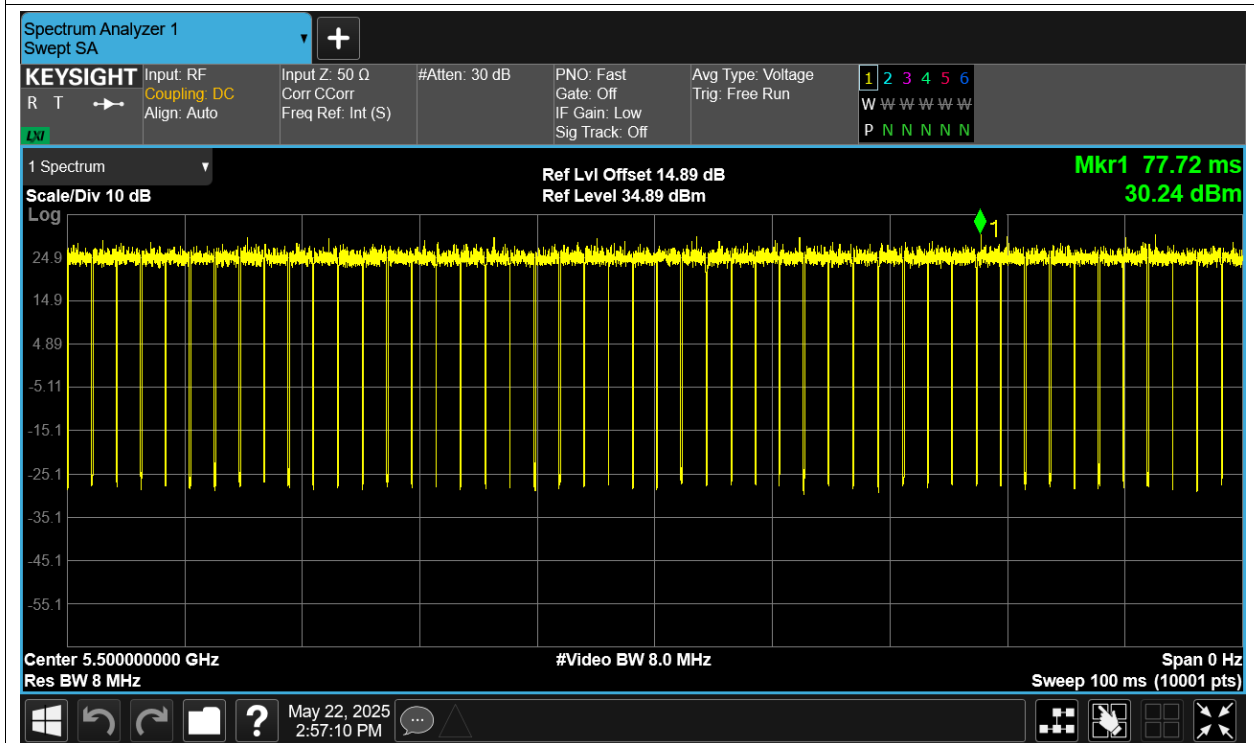
Duty Cycle NVNT a 5600MHz Ant3



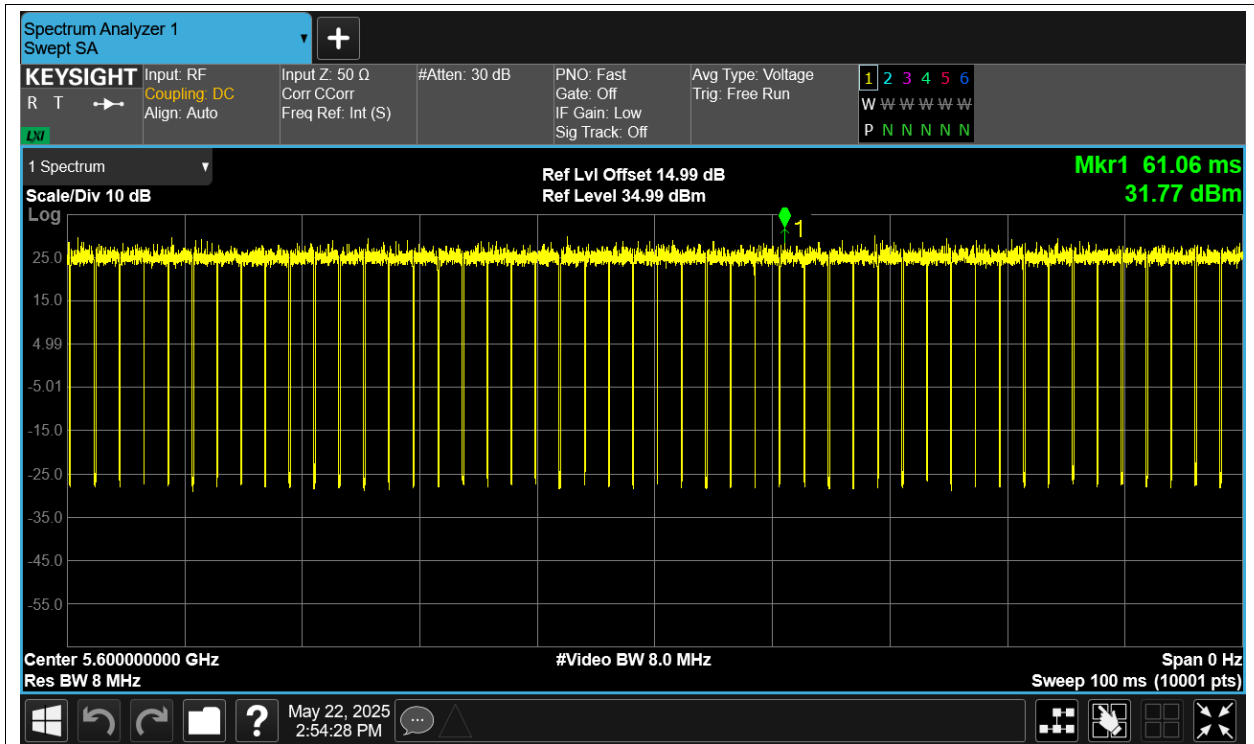
Duty Cycle NVNT a 5700MHz Ant3



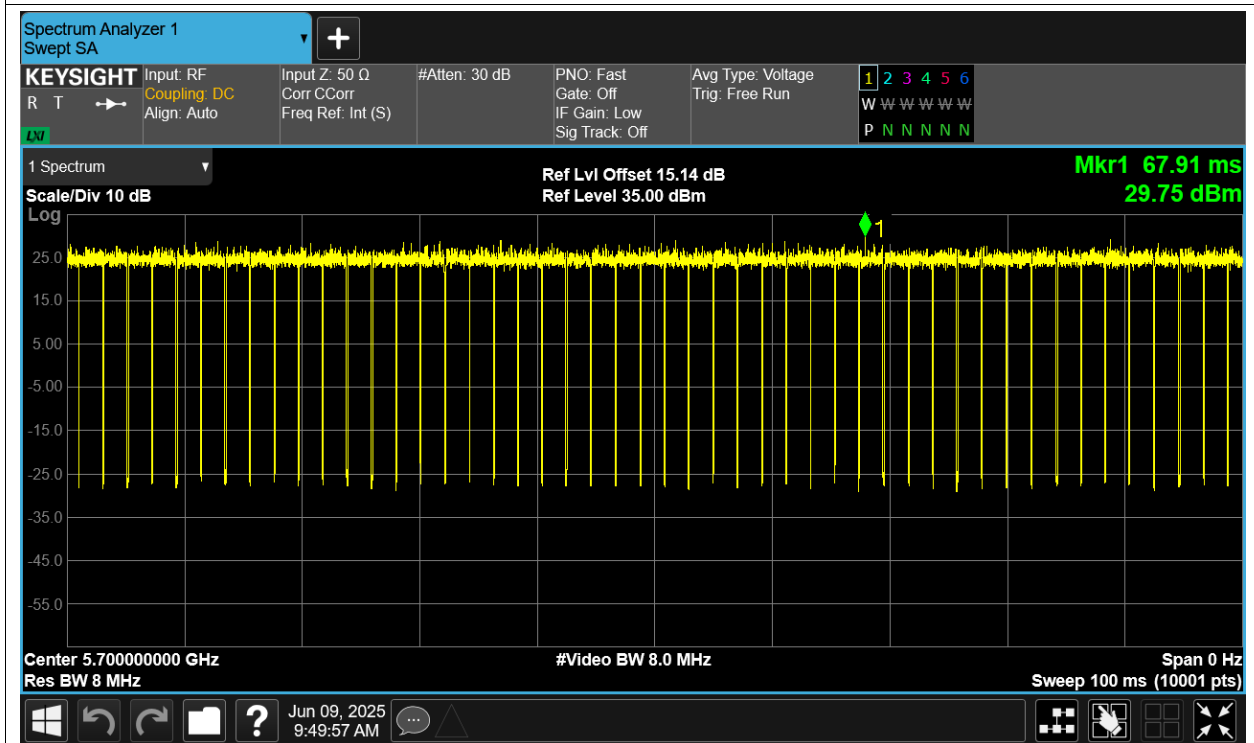
Duty Cycle NVNT a 5500MHz Ant4



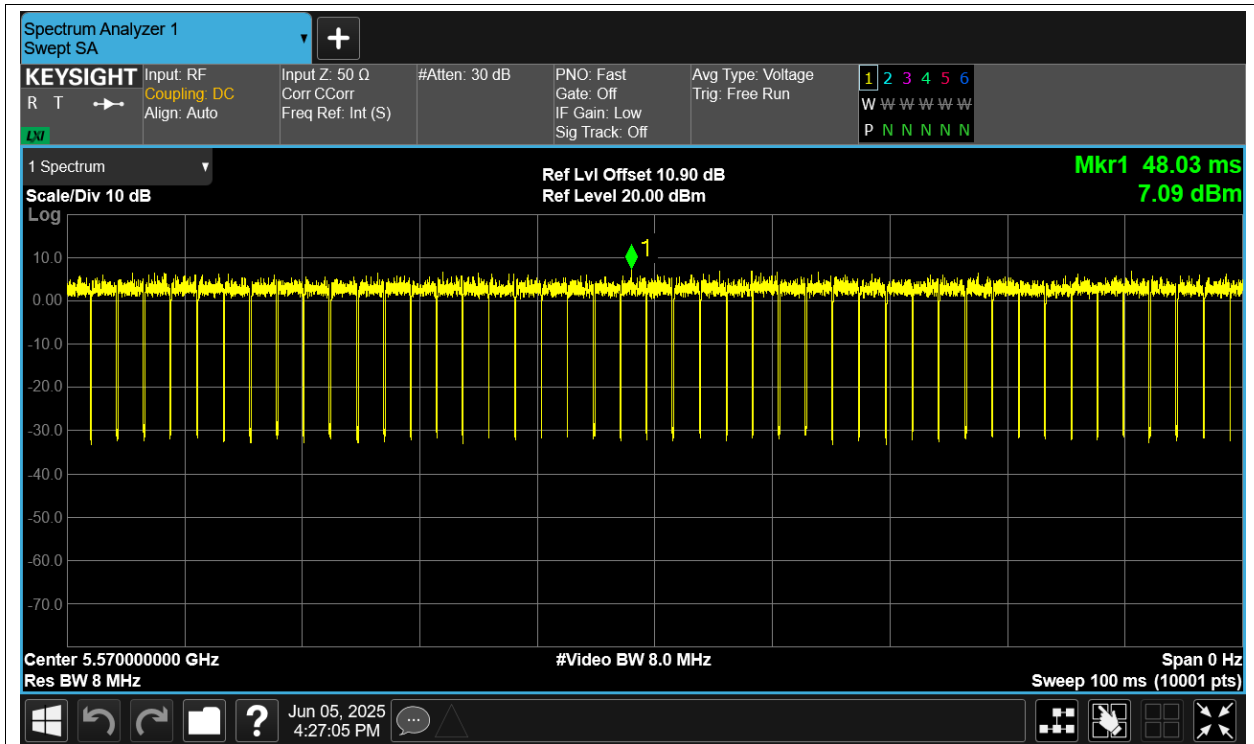
Duty Cycle NVNT a 5600MHz Ant4



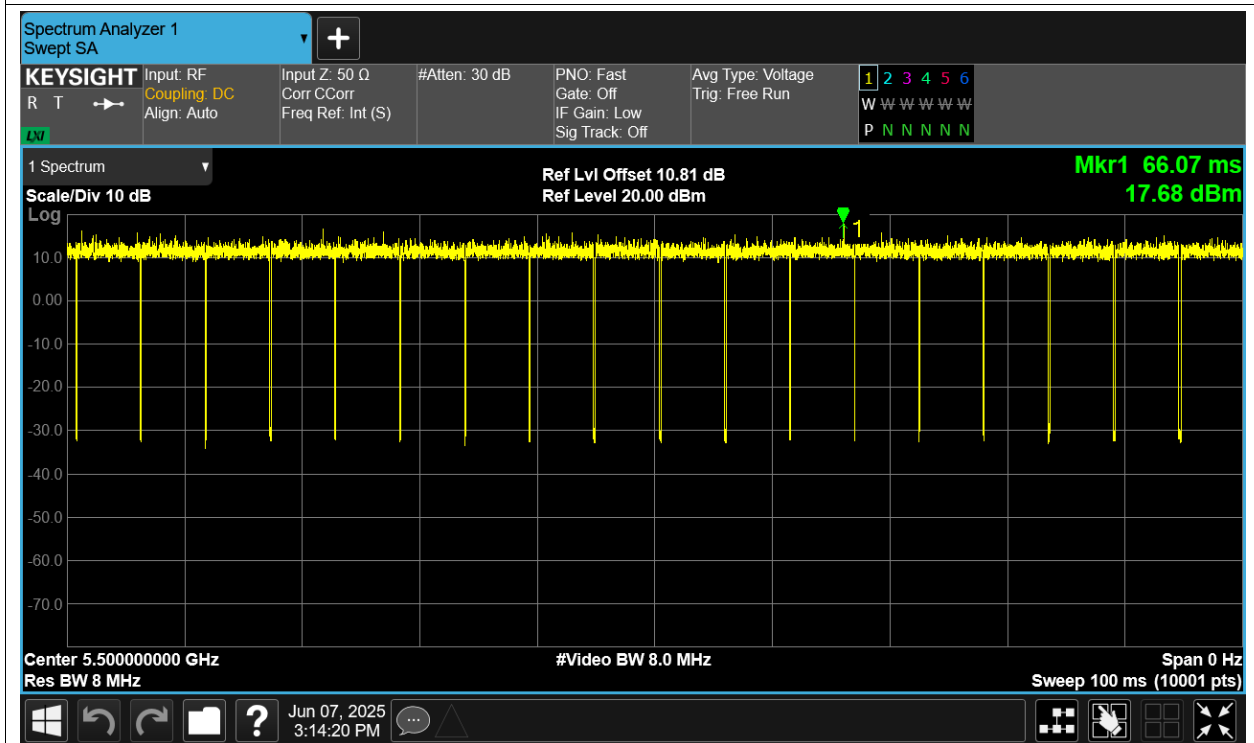
Duty Cycle NVNT a 5700MHz Ant4



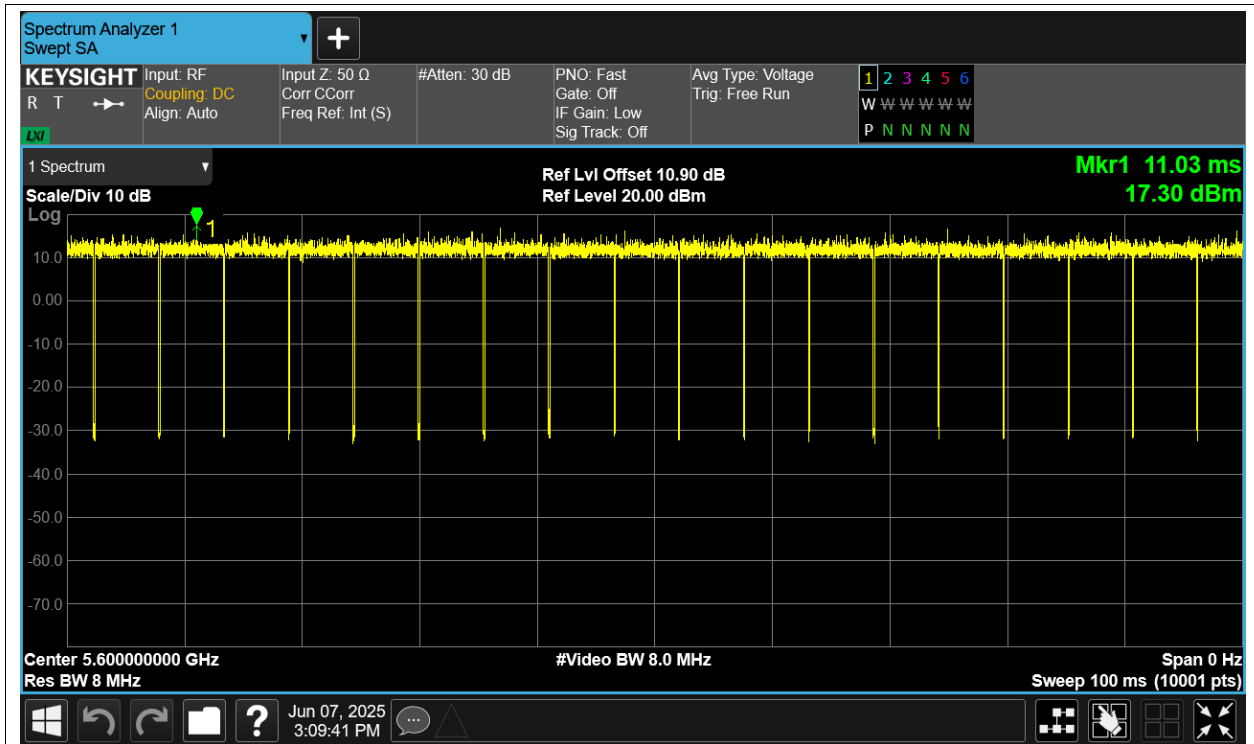
Duty Cycle NVNT ac160 5570MHz Sum



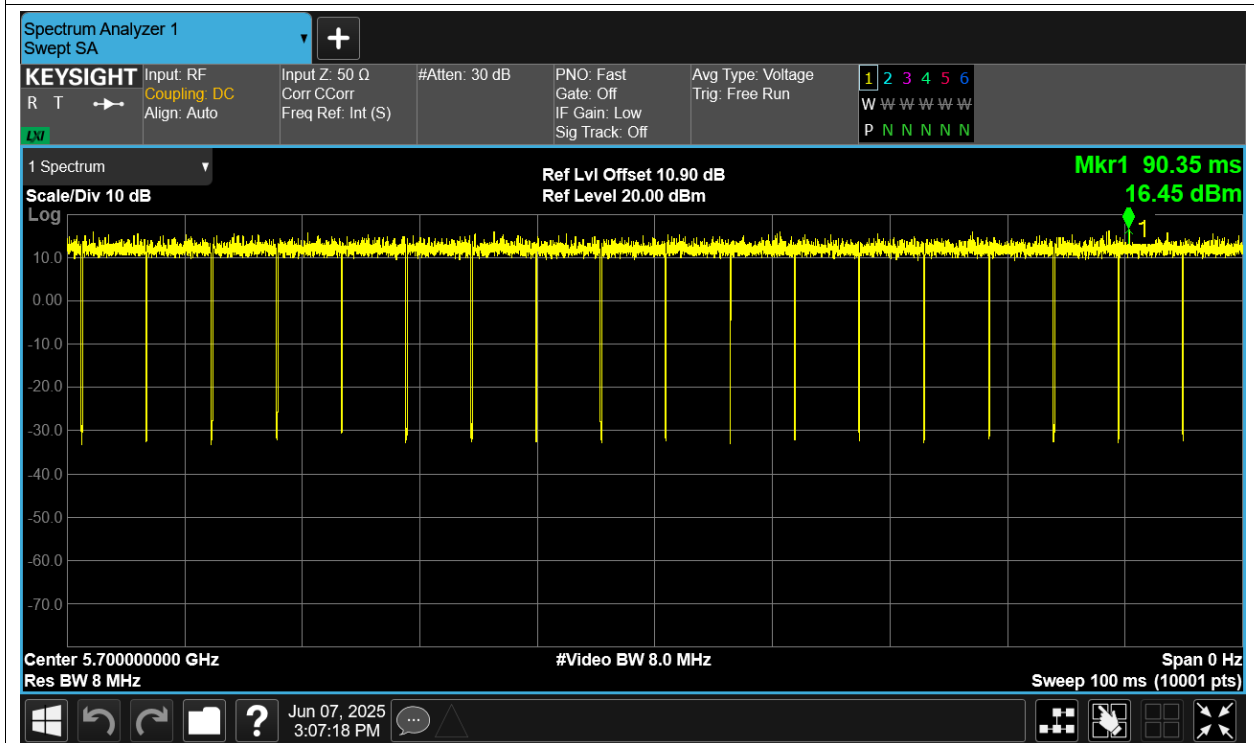
Duty Cycle NVNT ac20 5500MHz Sum



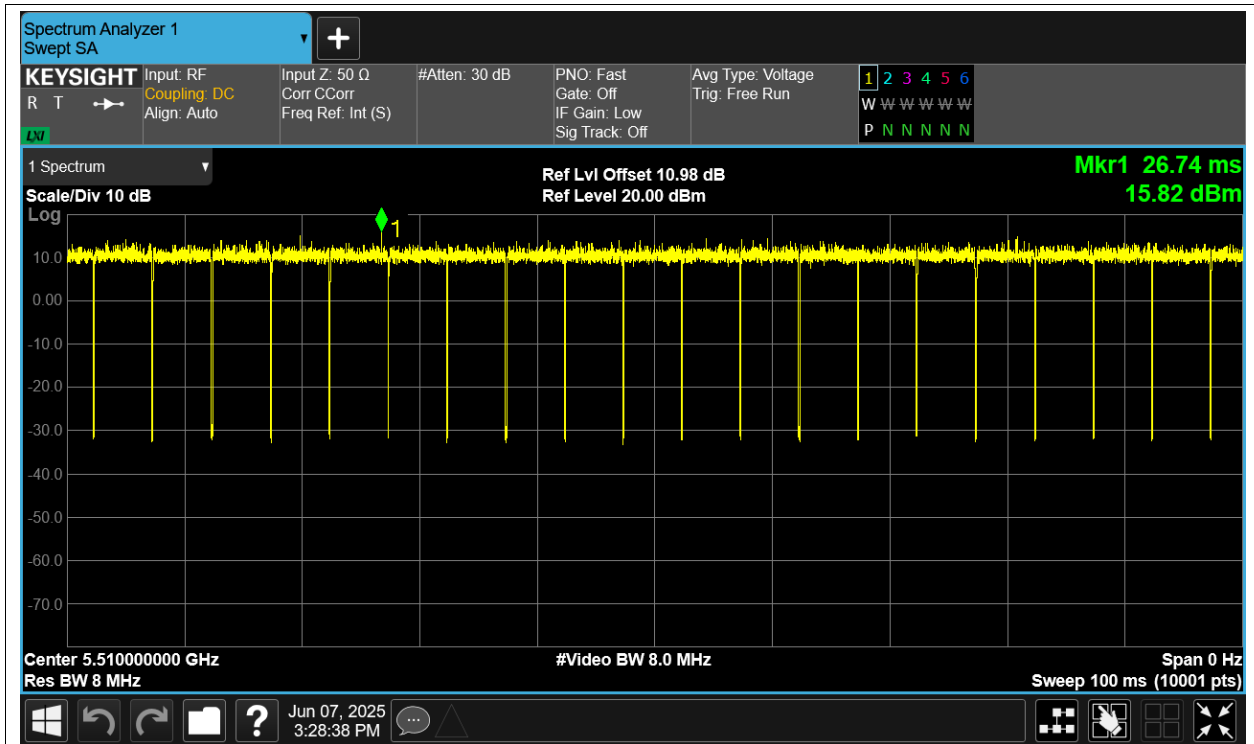
Duty Cycle NVNT ac20 5600MHz Sum



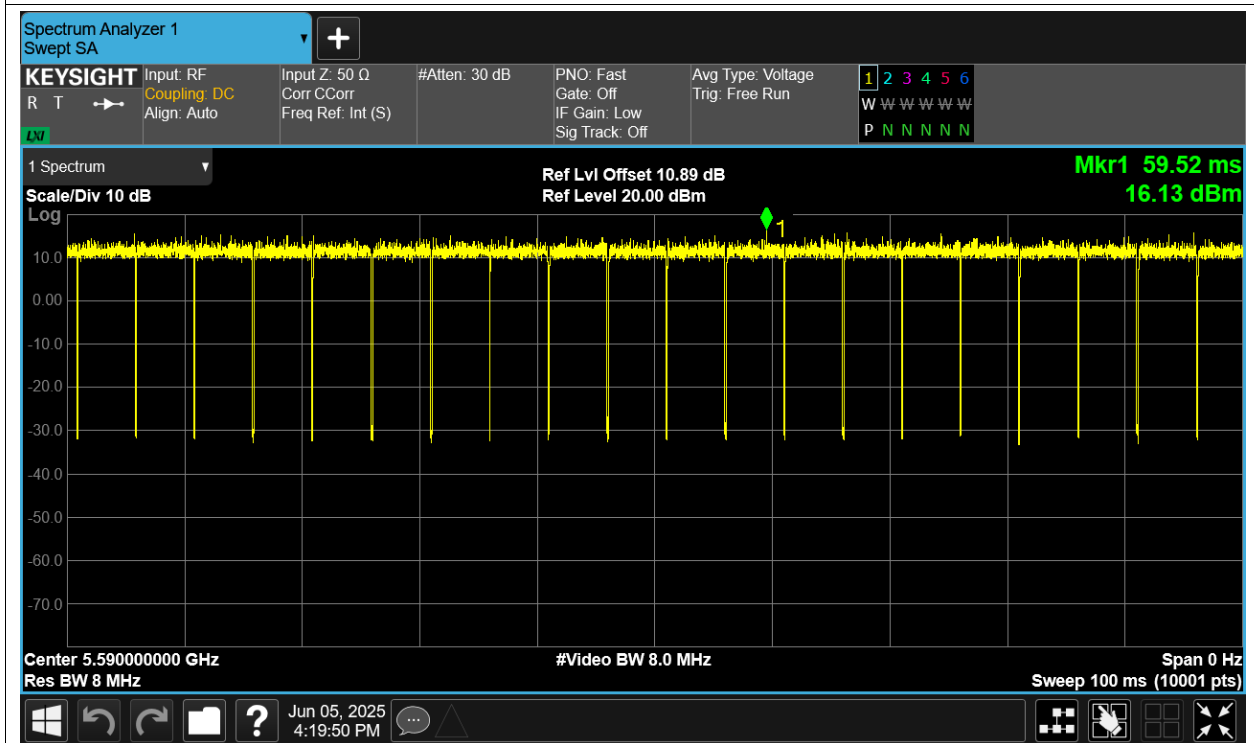
Duty Cycle NVNT ac20 5700MHz Sum



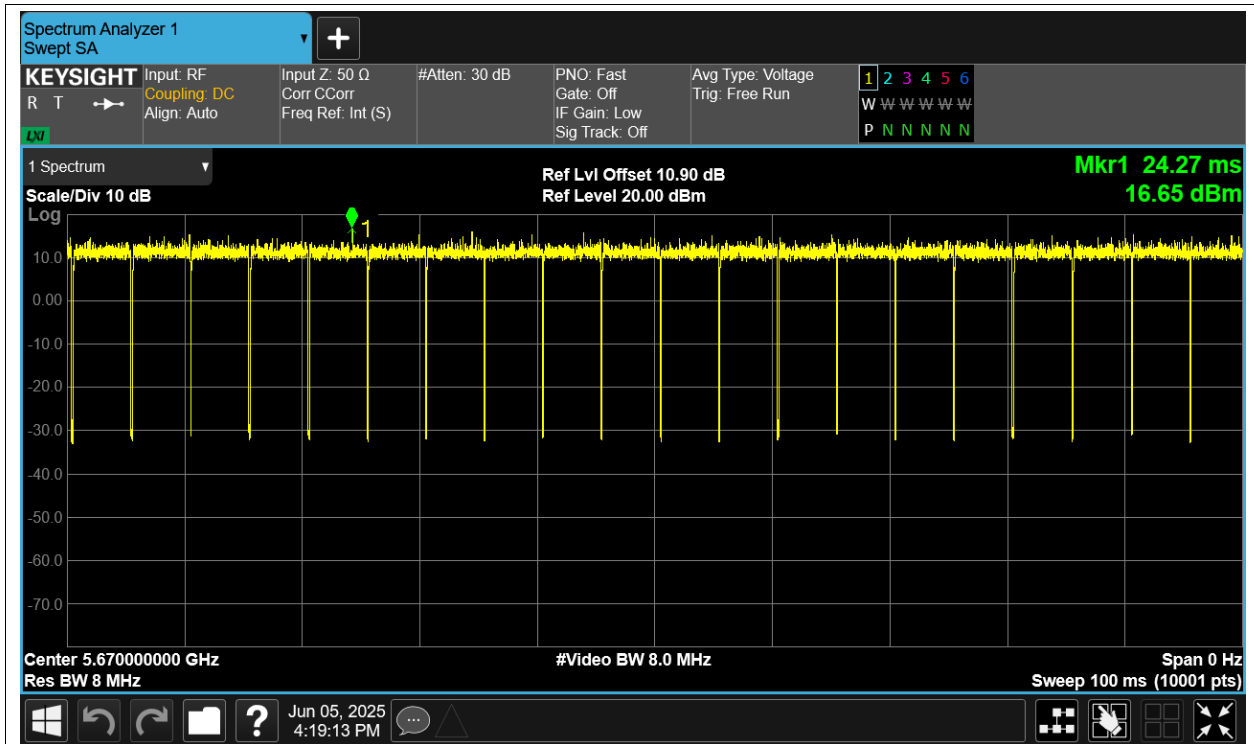
Duty Cycle NVNT ac40 5510MHz Sum



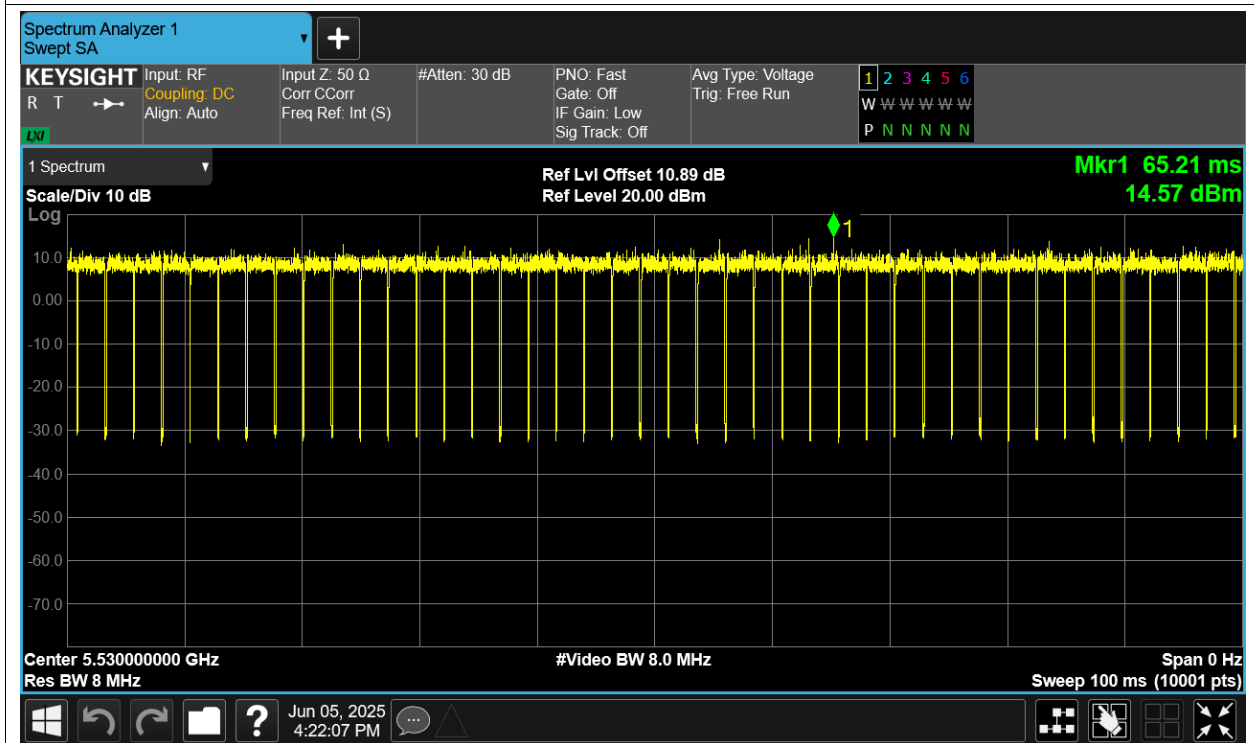
Duty Cycle NVNT ac40 5590MHz Sum



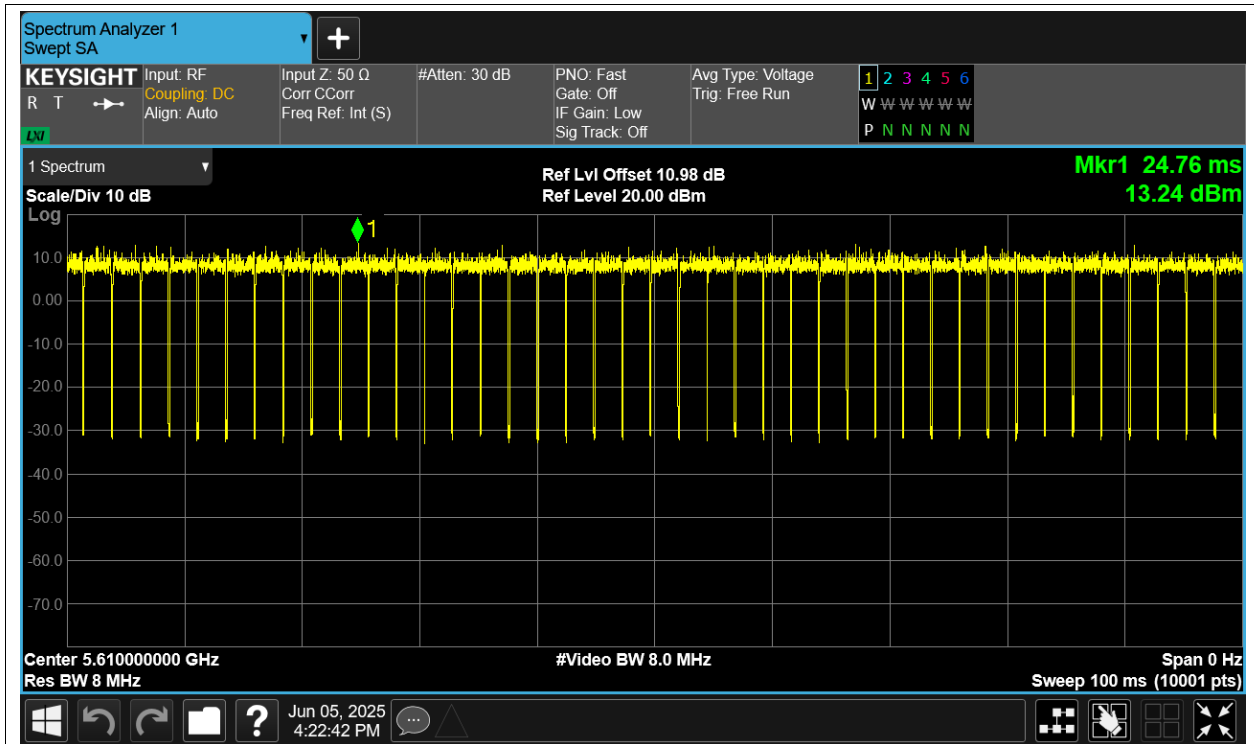
Duty Cycle NVNT ac40 5670MHz Sum



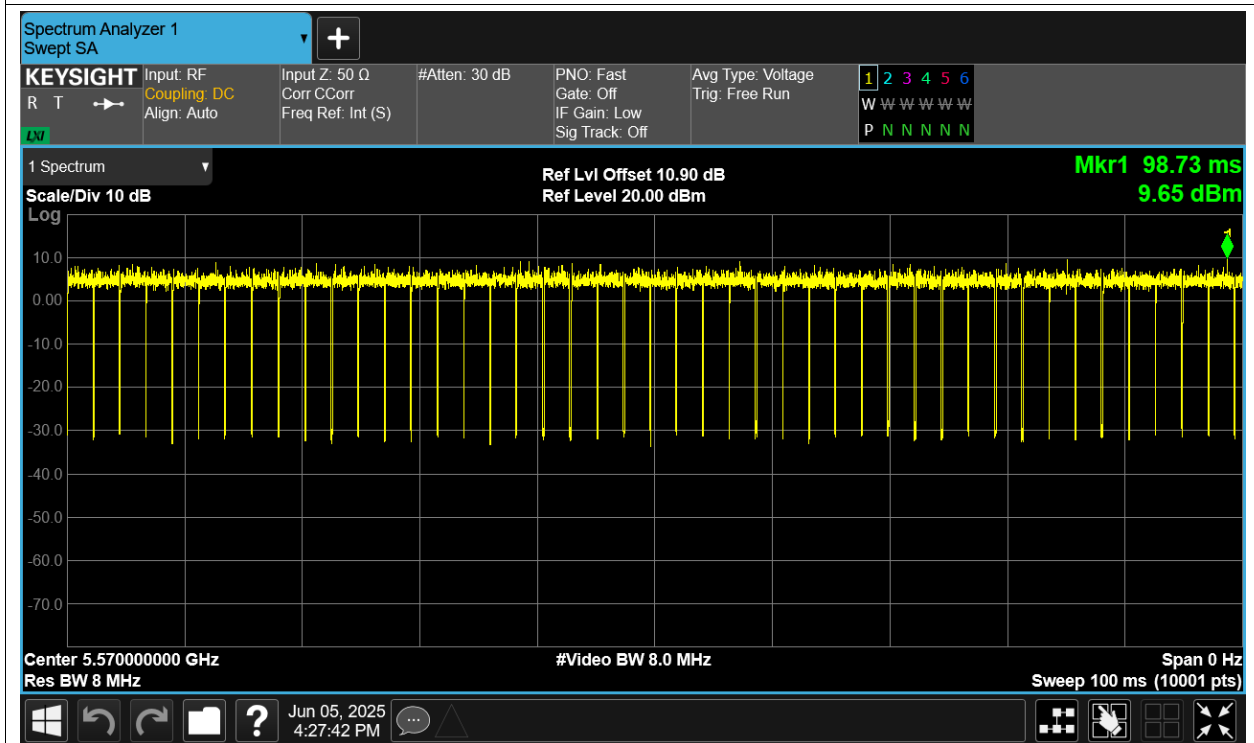
Duty Cycle NVNT ac80 5530MHz Sum



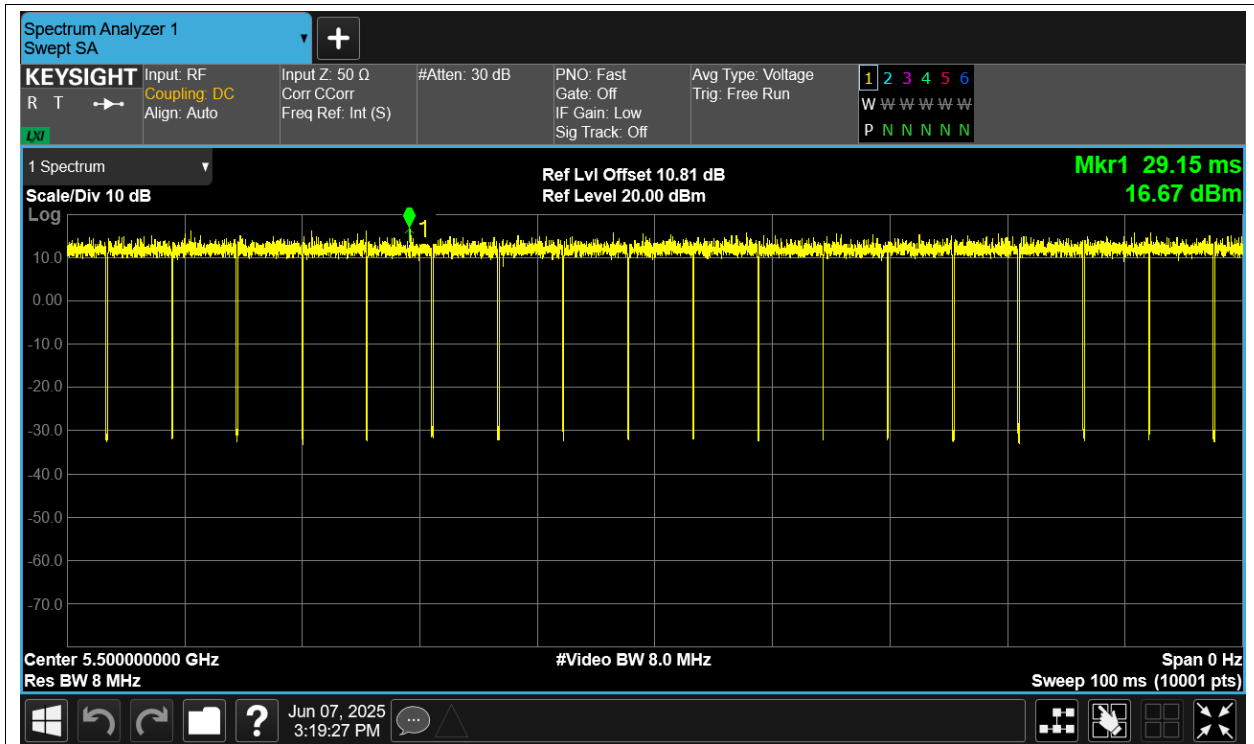
Duty Cycle NVNT ac80 5610MHz Sum



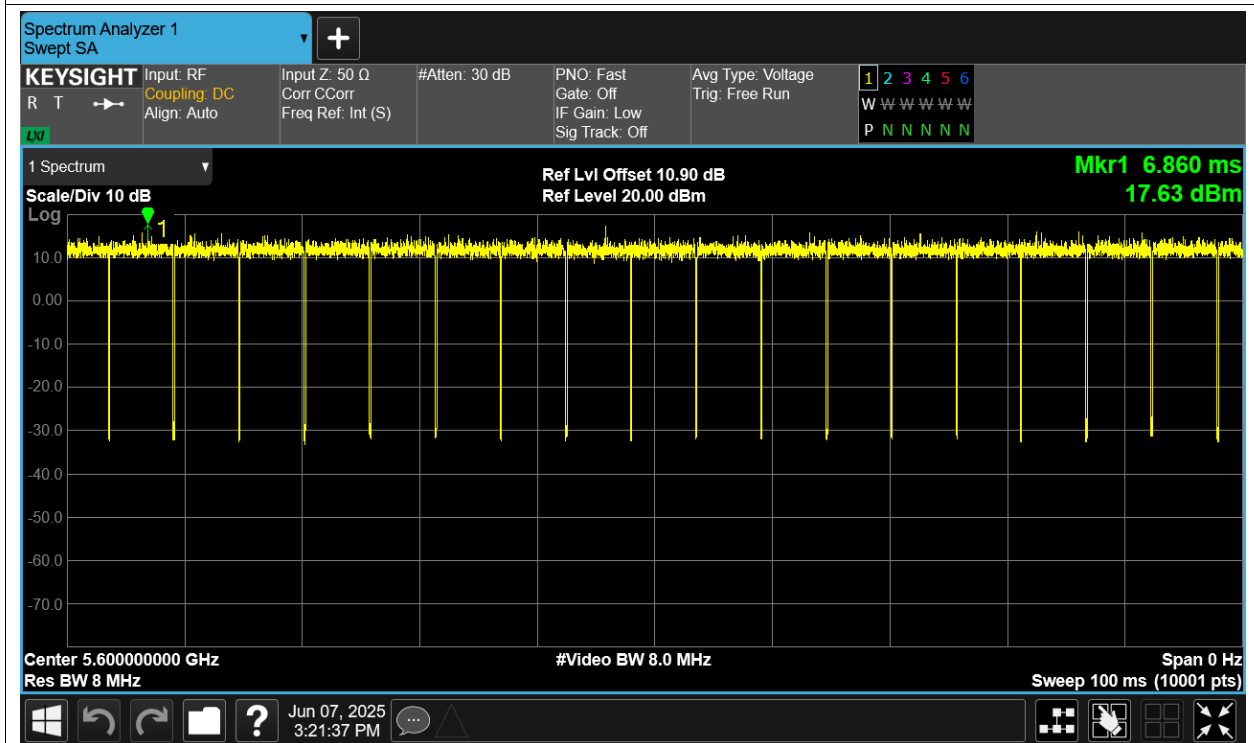
Duty Cycle NVNT ax160 5570MHz Sum



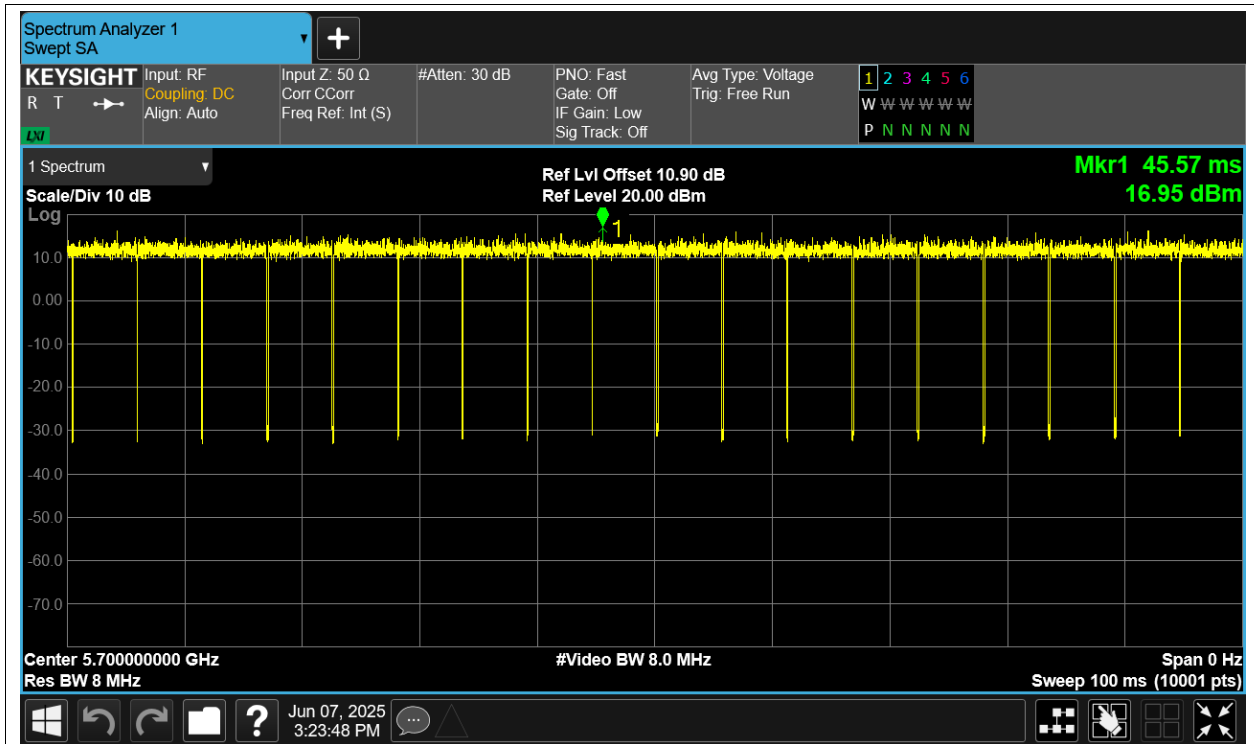
Duty Cycle NVNT ax20 5500MHz Sum



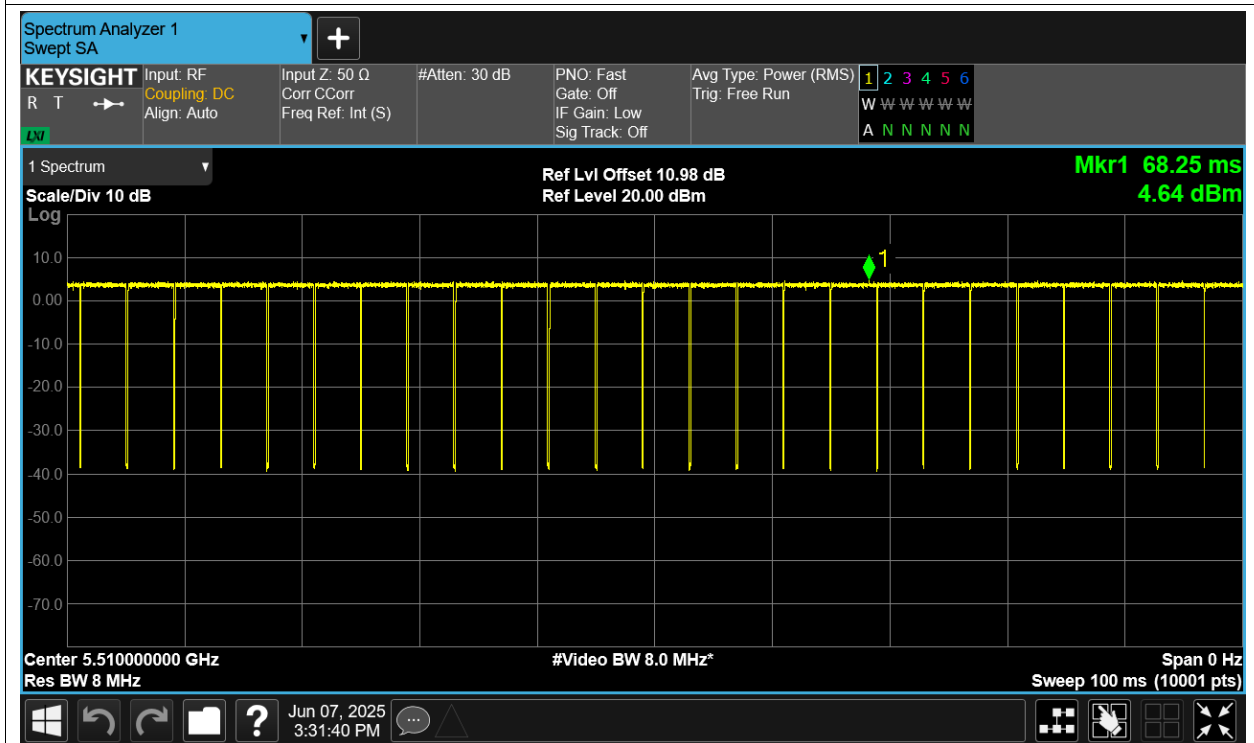
Duty Cycle NVNT ax20 5600MHz Sum



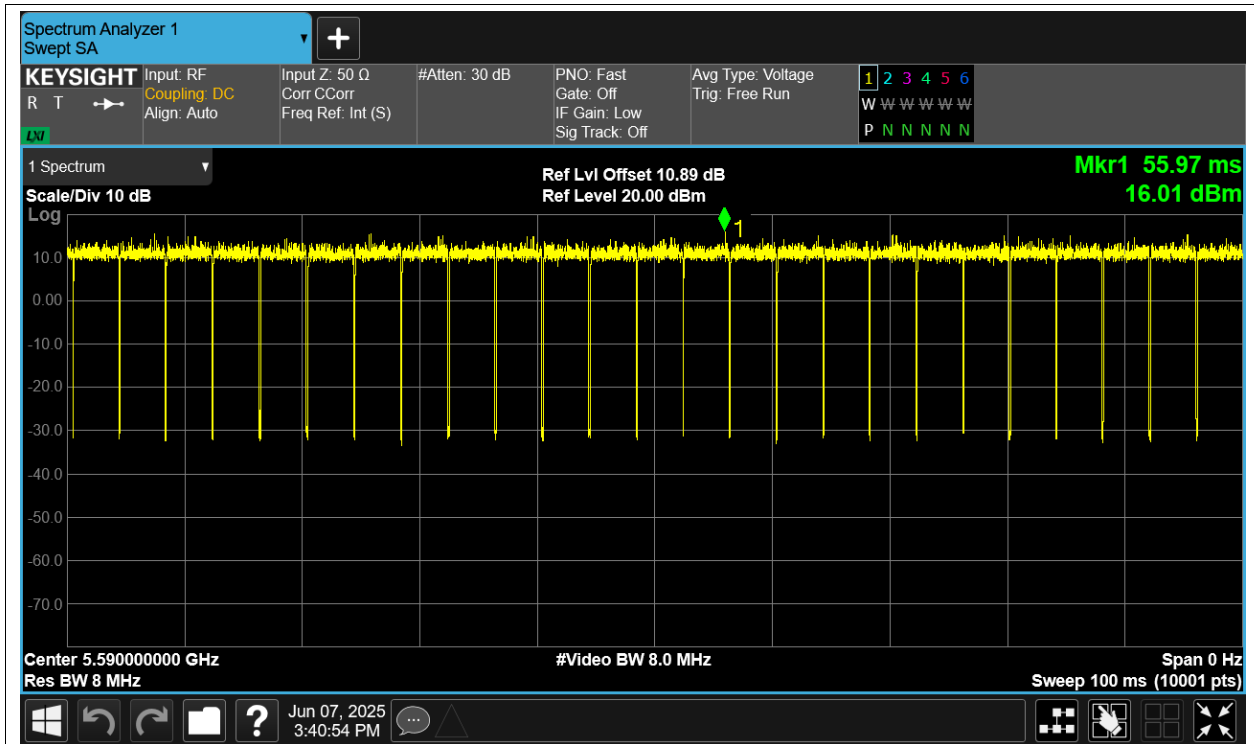
Duty Cycle NVNT ax20 5700MHz Sum



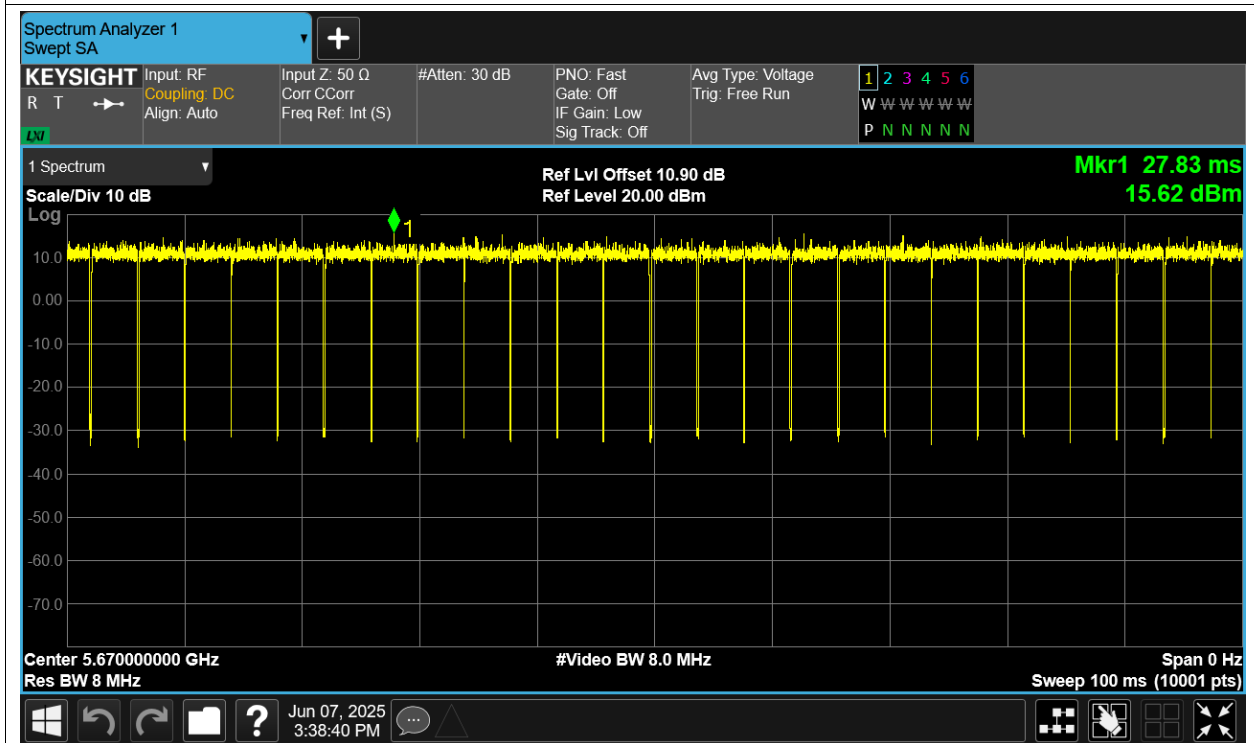
Duty Cycle NVNT ax40 5510MHz Sum



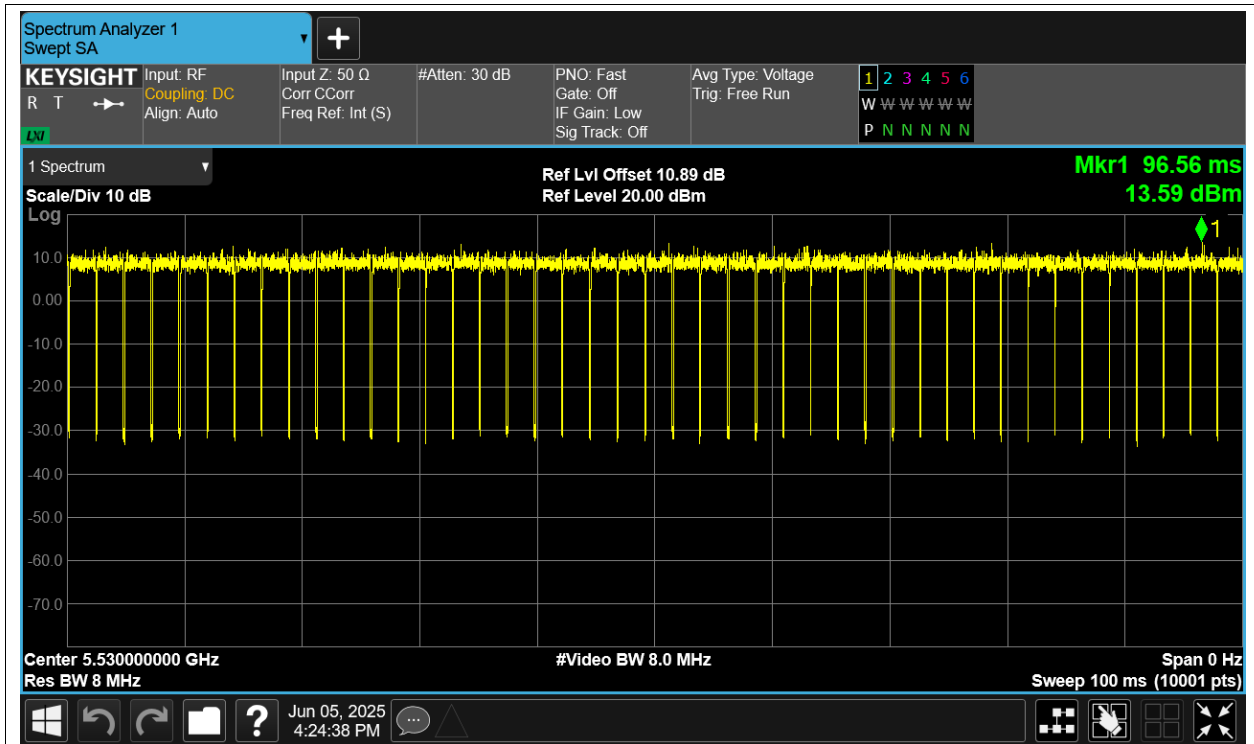
Duty Cycle NVNT ax40 5590MHz Sum



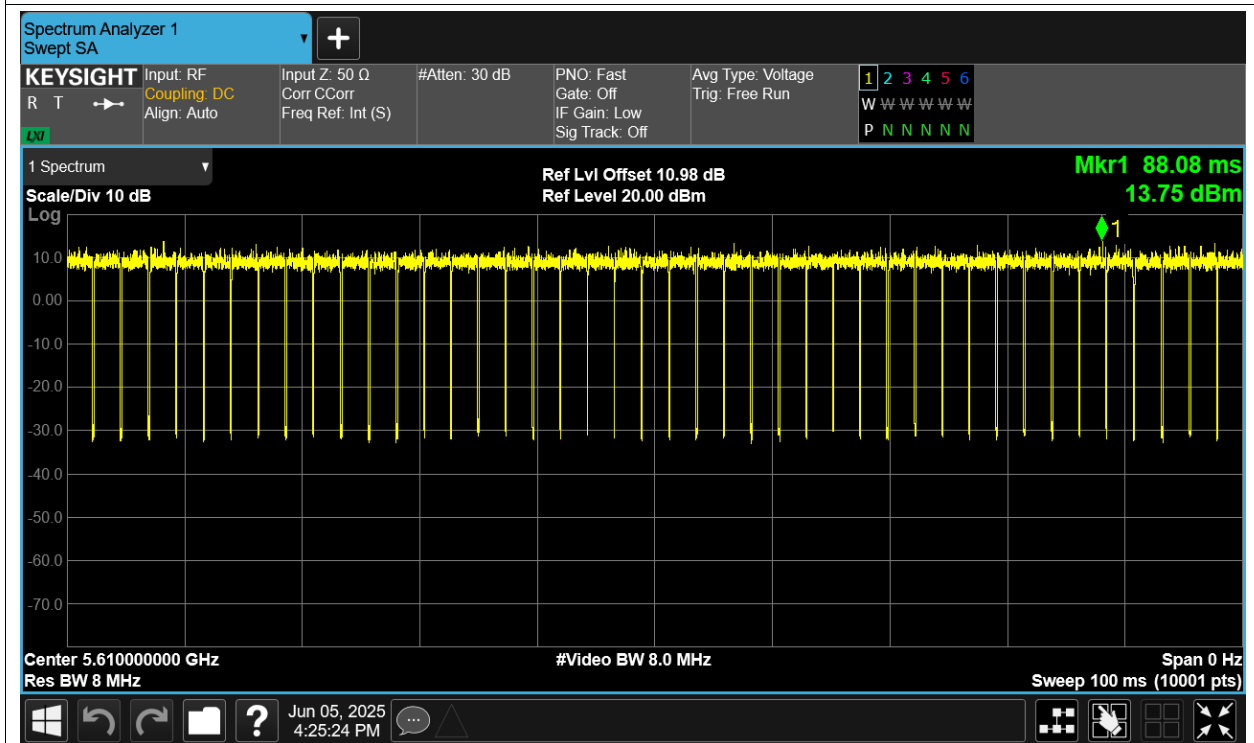
Duty Cycle NVNT ax40 5670MHz Sum



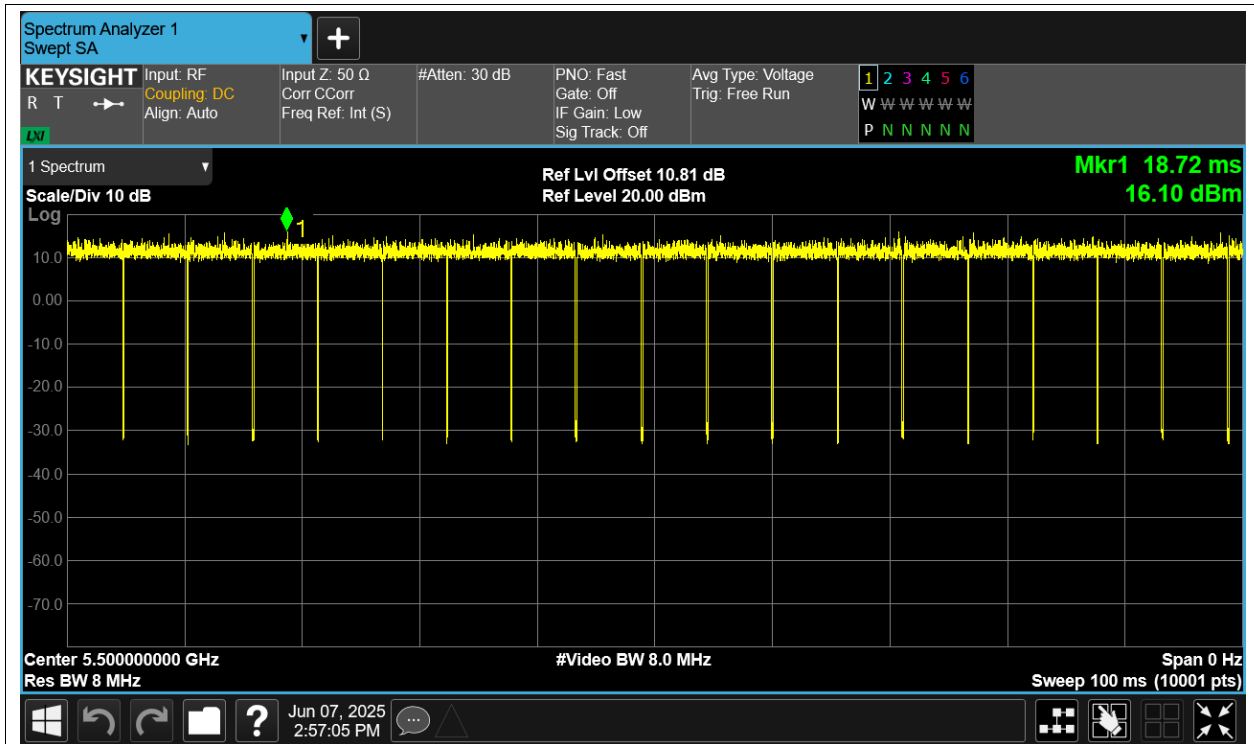
Duty Cycle NVNT ax80 5530MHz Sum



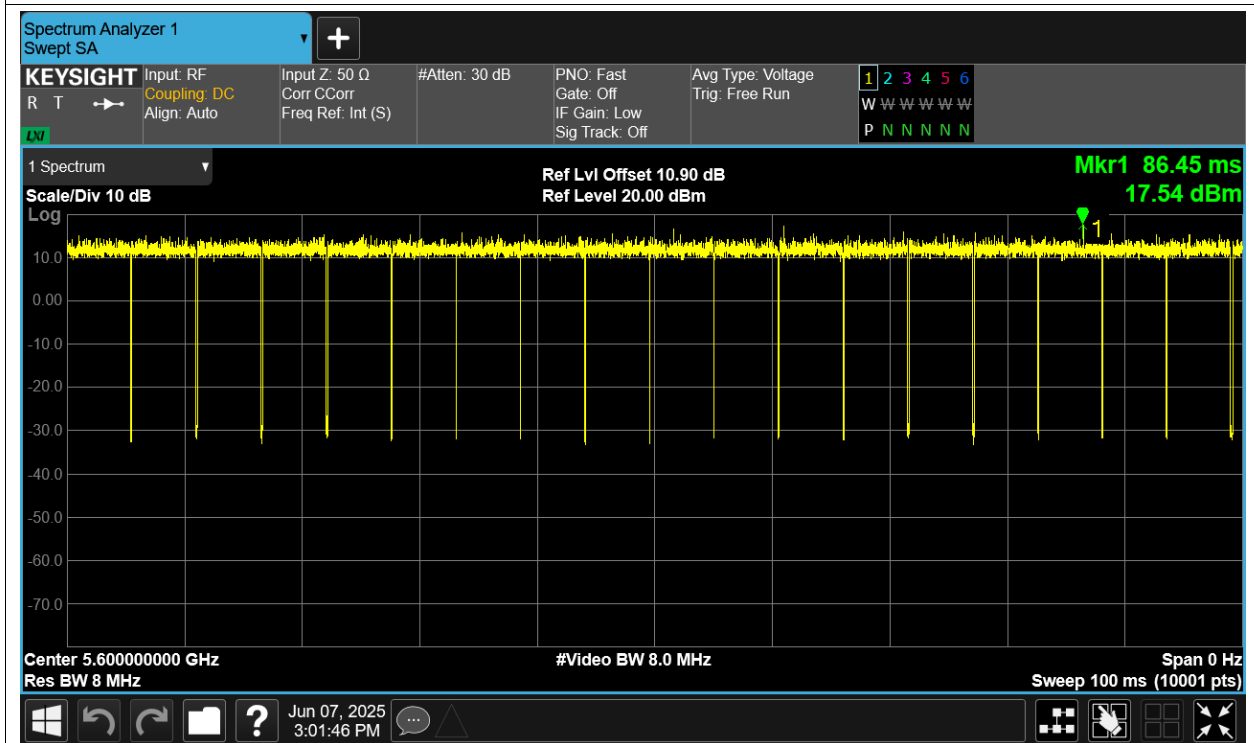
Duty Cycle NVNT ax80 5610MHz Sum



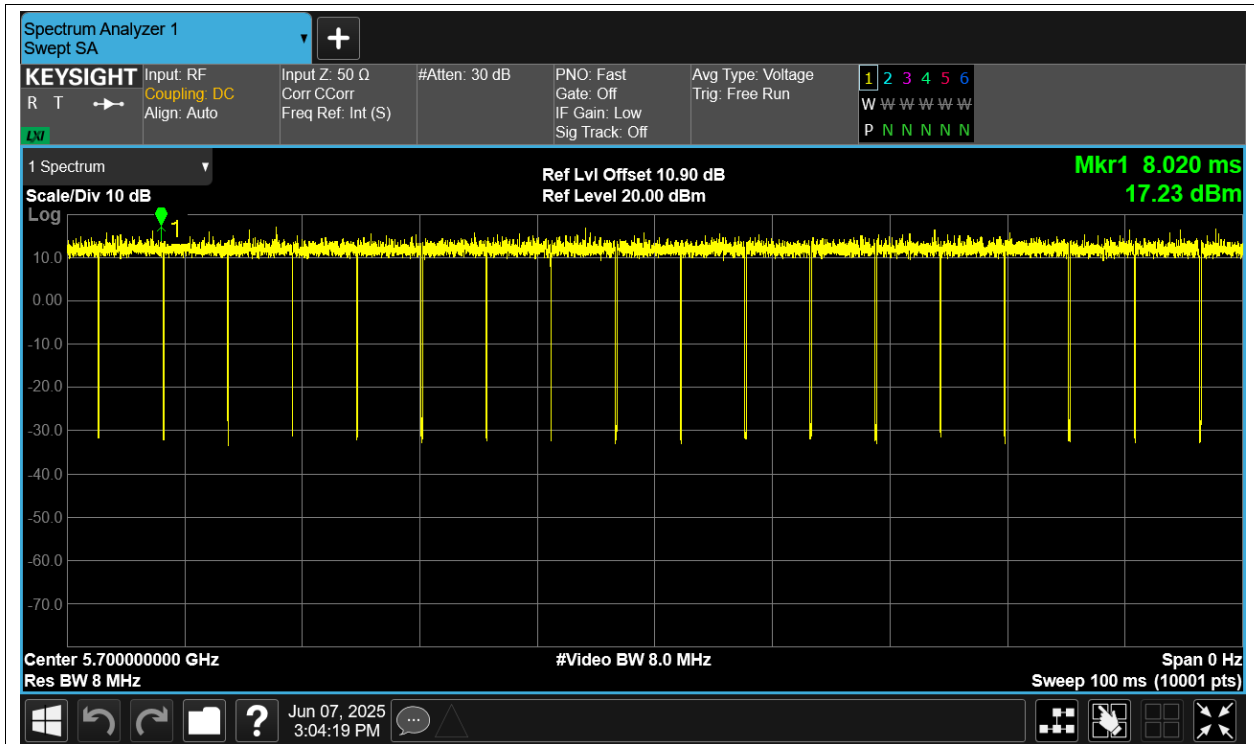
Duty Cycle NVNT n20 5500MHz Sum



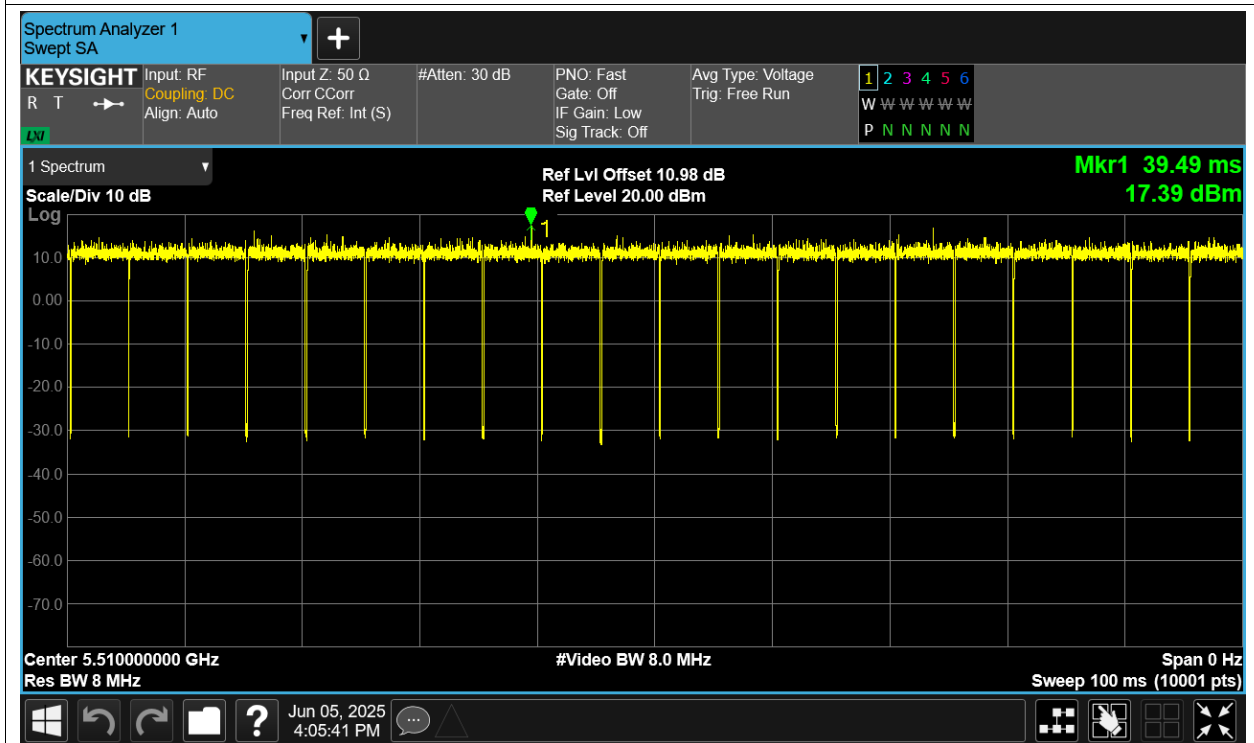
Duty Cycle NVNT n20 5600MHz Sum



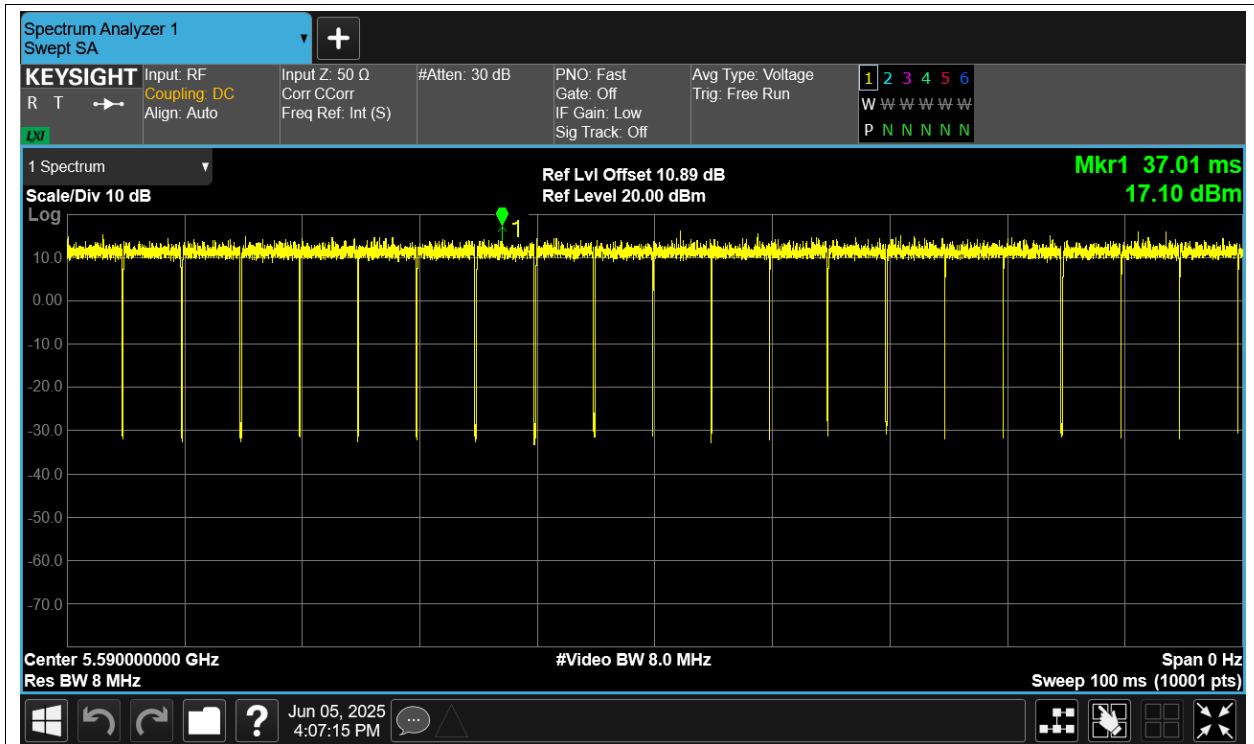
Duty Cycle NVNT n20 5700MHz Sum



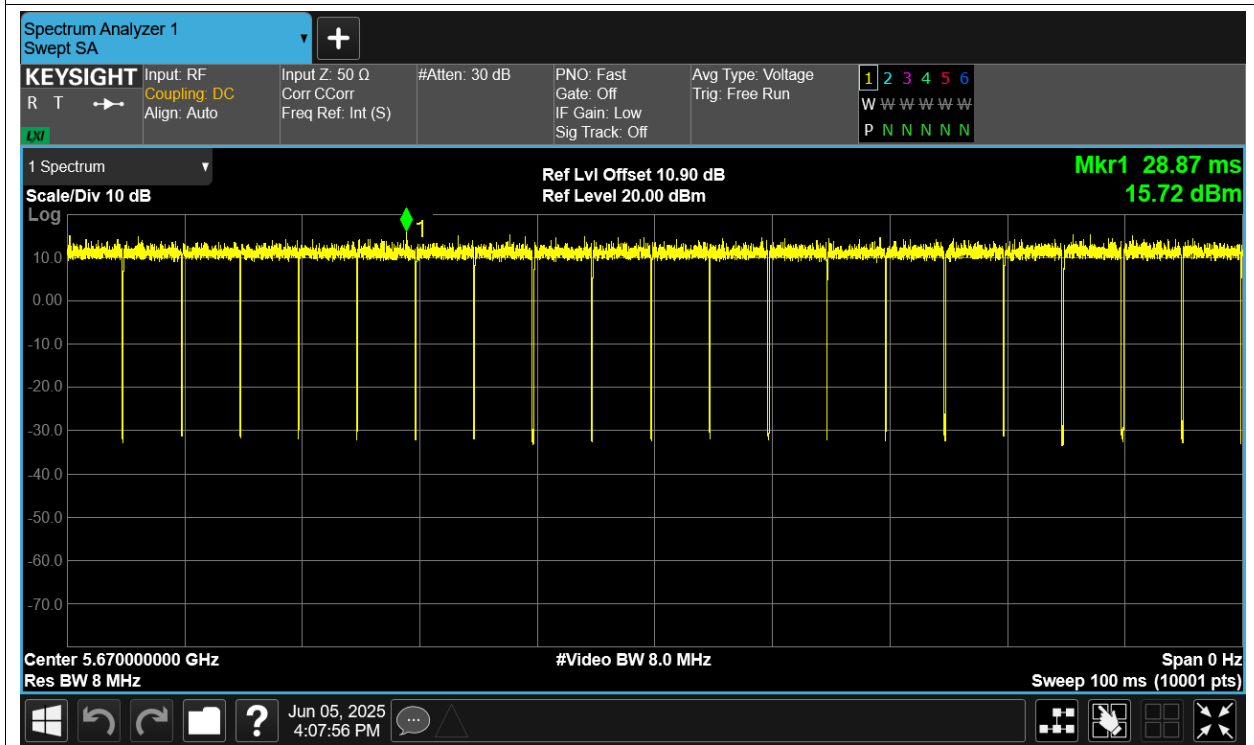
Duty Cycle NVNT n40 5510MHz Sum



Duty Cycle NVNT n40 5590MHz Sum



Duty Cycle NVNT n40 5670MHz 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     | 5500               | Ant1    | 20.53                    | 0.23                | 20.76                | 24             | Pass    |
| NVNT      | a     | 5600               | Ant1    | 20.18                    | 0.21                | 20.39                | 24             | Pass    |
| NVNT      | a     | 5700               | Ant1    | 19.99                    | 0.22                | 20.21                | 24             | Pass    |
| NVNT      | a     | 5500               | Ant2    | 20.42                    | 0.2                 | 20.62                | 24             | Pass    |
| NVNT      | a     | 5600               | Ant2    | 19.9                     | 0.21                | 20.11                | 24             | Pass    |
| NVNT      | a     | 5700               | Ant2    | 20.16                    | 0.21                | 20.37                | 24             | Pass    |
| NVNT      | a     | 5500               | Ant3    | 20.56                    | 0.25                | 20.81                | 24             | Pass    |
| NVNT      | a     | 5600               | Ant3    | 20.26                    | 0.21                | 20.47                | 24             | Pass    |
| NVNT      | a     | 5700               | Ant3    | 20.12                    | 0.2                 | 20.32                | 24             | Pass    |
| NVNT      | a     | 5500               | Ant4    | 21.55                    | 0.22                | 21.77                | 24             | Pass    |
| NVNT      | a     | 5600               | Ant4    | 21.14                    | 0.21                | 21.35                | 24             | Pass    |
| NVNT      | a     | 5700               | Ant4    | 20.29                    | 0.2                 | 20.49                | 24             | Pass    |
| NVNT      | ac160 | 5570               | Ant1    | 10.32                    | 0.21                | 10.53                | 18.98          | Pass    |
| NVNT      | ac160 | 5570               | Ant2    | 11.83                    | 0.21                | 12.04                | 18.98          | Pass    |
| NVNT      | ac160 | 5570               | Ant3    | 12.95                    | 0.21                | 13.16                | 18.98          | Pass    |
| NVNT      | ac160 | 5570               | Ant4    | 13.3                     | 0.21                | 13.51                | 18.98          | Pass    |
| NVNT      | ac160 | 5570               | Sum     | 18.268                   | 0.21                | 18.478               | 18.98          | Pass    |
| NVNT      | ac20  | 5500               | Ant1    | 8.36                     | 0.09                | 8.45                 | 18.98          | Pass    |
| NVNT      | ac20  | 5500               | Ant2    | 9.93                     | 0.09                | 10.02                | 18.98          | Pass    |
| NVNT      | ac20  | 5500               | Ant3    | 10.57                    | 0.09                | 10.66                | 18.98          | Pass    |
| NVNT      | ac20  | 5500               | Ant4    | 11.07                    | 0.09                | 11.16                | 18.98          | Pass    |
| NVNT      | ac20  | 5500               | Sum     | 16.116                   | 0.09                | 16.206               | 18.98          | Pass    |
| NVNT      | ac20  | 5600               | Ant1    | 8.33                     | 0.09                | 8.42                 | 18.98          | Pass    |
| NVNT      | ac20  | 5600               | Ant2    | 9.61                     | 0.09                | 9.7                  | 18.98          | Pass    |
| NVNT      | ac20  | 5600               | Ant3    | 10.35                    | 0.09                | 10.44                | 18.98          | Pass    |
| NVNT      | ac20  | 5600               | Ant4    | 11.28                    | 0.09                | 11.37                | 18.98          | Pass    |
| NVNT      | ac20  | 5600               | Sum     | 16.044                   | 0.09                | 16.134               | 18.98          | Pass    |
| NVNT      | ac20  | 5700               | Ant1    | 8.56                     | 0.08                | 8.64                 | 18.98          | Pass    |
| NVNT      | ac20  | 5700               | Ant2    | 9.61                     | 0.08                | 9.69                 | 18.98          | Pass    |
| NVNT      | ac20  | 5700               | Ant3    | 10.65                    | 0.08                | 10.73                | 18.98          | Pass    |
| NVNT      | ac20  | 5700               | Ant4    | 11.08                    | 0.08                | 11.16                | 18.98          | Pass    |
| NVNT      | ac20  | 5700               | Sum     | 16.102                   | 0.08                | 16.182               | 18.98          | Pass    |
| NVNT      | ac40  | 5510               | Ant1    | 10.19                    | 0.08                | 10.27                | 18.98          | Pass    |
| NVNT      | ac40  | 5510               | Ant2    | 11.7                     | 0.08                | 11.78                | 18.98          | Pass    |
| NVNT      | ac40  | 5510               | Ant3    | 12.77                    | 0.08                | 12.85                | 18.98          | Pass    |
| NVNT      | ac40  | 5510               | Ant4    | 12.96                    | 0.08                | 13.04                | 18.98          | Pass    |
| NVNT      | ac40  | 5510               | Sum     | 18.057                   | 0.08                | 18.137               | 18.98          | Pass    |
| NVNT      | ac40  | 5590               | Ant1    | 10.65                    | 0.09                | 10.74                | 18.98          | Pass    |
| NVNT      | ac40  | 5590               | Ant2    | 11.66                    | 0.09                | 11.75                | 18.98          | Pass    |
| NVNT      | ac40  | 5590               | Ant3    | 12.81                    | 0.09                | 12.9                 | 18.98          | Pass    |

|      |       |      |      |        |      |        |       |      |
|------|-------|------|------|--------|------|--------|-------|------|
| NVNT | ac40  | 5590 | Ant4 | 13.6   | 0.09 | 13.69  | 18.98 | Pass |
| NVNT | ac40  | 5590 | Sum  | 18.343 | 0.09 | 18.433 | 18.98 | Pass |
| NVNT | ac40  | 5670 | Ant1 | 10.77  | 0.09 | 10.86  | 18.98 | Pass |
| NVNT | ac40  | 5670 | Ant2 | 11.98  | 0.09 | 12.07  | 18.98 | Pass |
| NVNT | ac40  | 5670 | Ant3 | 13.19  | 0.09 | 13.28  | 18.98 | Pass |
| NVNT | ac40  | 5670 | Ant4 | 13.58  | 0.09 | 13.67  | 18.98 | Pass |
| NVNT | ac40  | 5670 | Sum  | 18.535 | 0.09 | 18.625 | 18.98 | Pass |
| NVNT | ac80  | 5530 | Ant1 | 11.04  | 0.2  | 11.24  | 18.98 | Pass |
| NVNT | ac80  | 5530 | Ant2 | 12.22  | 0.2  | 12.42  | 18.98 | Pass |
| NVNT | ac80  | 5530 | Ant3 | 13     | 0.2  | 13.2   | 18.98 | Pass |
| NVNT | ac80  | 5530 | Ant4 | 13.57  | 0.2  | 13.77  | 18.98 | Pass |
| NVNT | ac80  | 5530 | Sum  | 18.578 | 0.2  | 18.778 | 18.98 | Pass |
| NVNT | ac80  | 5610 | Ant1 | 10.42  | 0.21 | 10.63  | 18.98 | Pass |
| NVNT | ac80  | 5610 | Ant2 | 11.73  | 0.21 | 11.94  | 18.98 | Pass |
| NVNT | ac80  | 5610 | Ant3 | 12.79  | 0.21 | 13     | 18.98 | Pass |
| NVNT | ac80  | 5610 | Ant4 | 13.27  | 0.21 | 13.48  | 18.98 | Pass |
| NVNT | ac80  | 5610 | Sum  | 18.205 | 0.21 | 18.415 | 18.98 | Pass |
| NVNT | ax160 | 5570 | Ant1 | 10.53  | 0.18 | 10.71  | 18.98 | Pass |
| NVNT | ax160 | 5570 | Ant2 | 12.02  | 0.18 | 12.2   | 18.98 | Pass |
| NVNT | ax160 | 5570 | Ant3 | 13.3   | 0.18 | 13.48  | 18.98 | Pass |
| NVNT | ax160 | 5570 | Ant4 | 13.63  | 0.18 | 13.81  | 18.98 | Pass |
| NVNT | ax160 | 5570 | Sum  | 18.553 | 0.18 | 18.733 | 18.98 | Pass |
| NVNT | ax20  | 5500 | Ant1 | 8.56   | 0.09 | 8.65   | 18.98 | Pass |
| NVNT | ax20  | 5500 | Ant2 | 10.05  | 0.09 | 10.14  | 18.98 | Pass |
| NVNT | ax20  | 5500 | Ant3 | 11.13  | 0.09 | 11.22  | 18.98 | Pass |
| NVNT | ax20  | 5500 | Ant4 | 11.39  | 0.09 | 11.48  | 18.98 | Pass |
| NVNT | ax20  | 5500 | Sum  | 16.438 | 0.09 | 16.528 | 18.98 | Pass |
| NVNT | ax20  | 5600 | Ant1 | 8.12   | 0.09 | 8.21   | 18.98 | Pass |
| NVNT | ax20  | 5600 | Ant2 | 9.45   | 0.09 | 9.54   | 18.98 | Pass |
| NVNT | ax20  | 5600 | Ant3 | 10.52  | 0.09 | 10.61  | 18.98 | Pass |
| NVNT | ax20  | 5600 | Ant4 | 11.25  | 0.09 | 11.34  | 18.98 | Pass |
| NVNT | ax20  | 5600 | Sum  | 16.01  | 0.09 | 16.1   | 18.98 | Pass |
| NVNT | ax20  | 5700 | Ant1 | 8.17   | 0.09 | 8.26   | 18.98 | Pass |
| NVNT | ax20  | 5700 | Ant2 | 9.57   | 0.09 | 9.66   | 18.98 | Pass |
| NVNT | ax20  | 5700 | Ant3 | 10.82  | 0.09 | 10.91  | 18.98 | Pass |
| NVNT | ax20  | 5700 | Ant4 | 11.22  | 0.09 | 11.31  | 18.98 | Pass |
| NVNT | ax20  | 5700 | Sum  | 16.122 | 0.09 | 16.212 | 18.98 | Pass |
| NVNT | ax40  | 5510 | Ant1 | 10.32  | 0.11 | 10.43  | 18.98 | Pass |
| NVNT | ax40  | 5510 | Ant2 | 11.73  | 0.11 | 11.84  | 18.98 | Pass |
| NVNT | ax40  | 5510 | Ant3 | 13.02  | 0.11 | 13.13  | 18.98 | Pass |
| NVNT | ax40  | 5510 | Ant4 | 13.1   | 0.11 | 13.21  | 18.98 | Pass |
| NVNT | ax40  | 5510 | Sum  | 18.203 | 0.11 | 18.313 | 18.98 | Pass |
| NVNT | ax40  | 5590 | Ant1 | 10.4   | 0.11 | 10.51  | 18.98 | Pass |
| NVNT | ax40  | 5590 | Ant2 | 11.31  | 0.11 | 11.42  | 18.98 | Pass |

|      |      |      |      |        |      |        |       |      |
|------|------|------|------|--------|------|--------|-------|------|
| NVNT | ax40 | 5590 | Ant3 | 12.48  | 0.11 | 12.59  | 18.98 | Pass |
| NVNT | ax40 | 5590 | Ant4 | 13.32  | 0.11 | 13.43  | 18.98 | Pass |
| NVNT | ax40 | 5590 | Sum  | 18.039 | 0.11 | 18.149 | 18.98 | Pass |
| NVNT | ax40 | 5670 | Ant1 | 10.51  | 0.1  | 10.61  | 18.98 | Pass |
| NVNT | ax40 | 5670 | Ant2 | 11.51  | 0.1  | 11.61  | 18.98 | Pass |
| NVNT | ax40 | 5670 | Ant3 | 12.89  | 0.1  | 12.99  | 18.98 | Pass |
| NVNT | ax40 | 5670 | Ant4 | 13.37  | 0.1  | 13.47  | 18.98 | Pass |
| NVNT | ax40 | 5670 | Sum  | 18.234 | 0.1  | 18.334 | 18.98 | Pass |
| NVNT | ax80 | 5530 | Ant1 | 10.89  | 0.19 | 11.08  | 18.98 | Pass |
| NVNT | ax80 | 5530 | Ant2 | 11.94  | 0.19 | 12.13  | 18.98 | Pass |
| NVNT | ax80 | 5530 | Ant3 | 12.93  | 0.19 | 13.12  | 18.98 | Pass |
| NVNT | ax80 | 5530 | Ant4 | 13.38  | 0.19 | 13.57  | 18.98 | Pass |
| NVNT | ax80 | 5530 | Sum  | 18.408 | 0.19 | 18.598 | 18.98 | Pass |
| NVNT | ax80 | 5610 | Ant1 | 10.68  | 0.2  | 10.88  | 18.98 | Pass |
| NVNT | ax80 | 5610 | Ant2 | 11.93  | 0.2  | 12.13  | 18.98 | Pass |
| NVNT | ax80 | 5610 | Ant3 | 13.11  | 0.2  | 13.31  | 18.98 | Pass |
| NVNT | ax80 | 5610 | Ant4 | 13.63  | 0.2  | 13.83  | 18.98 | Pass |
| NVNT | ax80 | 5610 | Sum  | 18.502 | 0.2  | 18.702 | 18.98 | Pass |
| NVNT | n20  | 5500 | Ant1 | 8.3    | 0.1  | 8.4    | 18.98 | Pass |
| NVNT | n20  | 5500 | Ant2 | 9.96   | 0.1  | 10.06  | 18.98 | Pass |
| NVNT | n20  | 5500 | Ant3 | 10.59  | 0.1  | 10.69  | 18.98 | Pass |
| NVNT | n20  | 5500 | Ant4 | 11.25  | 0.1  | 11.35  | 18.98 | Pass |
| NVNT | n20  | 5500 | Sum  | 16.176 | 0.1  | 16.276 | 18.98 | Pass |
| NVNT | n20  | 5600 | Ant1 | 8.41   | 0.08 | 8.49   | 18.98 | Pass |
| NVNT | n20  | 5600 | Ant2 | 9.63   | 0.08 | 9.71   | 18.98 | Pass |
| NVNT | n20  | 5600 | Ant3 | 10.36  | 0.08 | 10.44  | 18.98 | Pass |
| NVNT | n20  | 5600 | Ant4 | 11.34  | 0.08 | 11.42  | 18.98 | Pass |
| NVNT | n20  | 5600 | Sum  | 16.085 | 0.08 | 16.165 | 18.98 | Pass |
| NVNT | n20  | 5700 | Ant1 | 8.5    | 0.08 | 8.58   | 18.98 | Pass |
| NVNT | n20  | 5700 | Ant2 | 9.6    | 0.08 | 9.68   | 18.98 | Pass |
| NVNT | n20  | 5700 | Ant3 | 10.59  | 0.08 | 10.67  | 18.98 | Pass |
| NVNT | n20  | 5700 | Ant4 | 11.14  | 0.08 | 11.22  | 18.98 | Pass |
| NVNT | n20  | 5700 | Sum  | 16.091 | 0.08 | 16.171 | 18.98 | Pass |
| NVNT | n40  | 5510 | Ant1 | 10.52  | 0.1  | 10.62  | 18.98 | Pass |
| NVNT | n40  | 5510 | Ant2 | 12.21  | 0.1  | 12.31  | 18.98 | Pass |
| NVNT | n40  | 5510 | Ant3 | 13.24  | 0.1  | 13.34  | 18.98 | Pass |
| NVNT | n40  | 5510 | Ant4 | 13.36  | 0.1  | 13.46  | 18.98 | Pass |
| NVNT | n40  | 5510 | Sum  | 18.492 | 0.1  | 18.592 | 18.98 | Pass |
| NVNT | n40  | 5590 | Ant1 | 10.66  | 0.08 | 10.74  | 18.98 | Pass |
| NVNT | n40  | 5590 | Ant2 | 11.73  | 0.08 | 11.81  | 18.98 | Pass |
| NVNT | n40  | 5590 | Ant3 | 12.77  | 0.08 | 12.85  | 18.98 | Pass |
| NVNT | n40  | 5590 | Ant4 | 13.57  | 0.08 | 13.65  | 18.98 | Pass |
| NVNT | n40  | 5590 | Sum  | 18.338 | 0.08 | 18.418 | 18.98 | Pass |
| NVNT | n40  | 5670 | Ant1 | 10.71  | 0.09 | 10.8   | 18.98 | Pass |

|      |     |      |      |        |      |        |       |      |
|------|-----|------|------|--------|------|--------|-------|------|
| NVNT | n40 | 5670 | Ant2 | 12.02  | 0.09 | 12.11  | 18.98 | Pass |
| NVNT | n40 | 5670 | Ant3 | 13.27  | 0.09 | 13.36  | 18.98 | Pass |
| NVNT | n40 | 5670 | Ant4 | 13.61  | 0.09 | 13.7   | 18.98 | Pass |
| NVNT | n40 | 5670 | Sum  | 18.567 | 0.09 | 18.657 | 18.98 | Pass |

Note: The limits need reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For MIMO mode: ant gain is  $5+10*\log_{10}(4)=5+6.02=11.02$  dBi, the limit is  $24-(11.02-6)=18.98$ dbm.

## -26dB Bandwidth

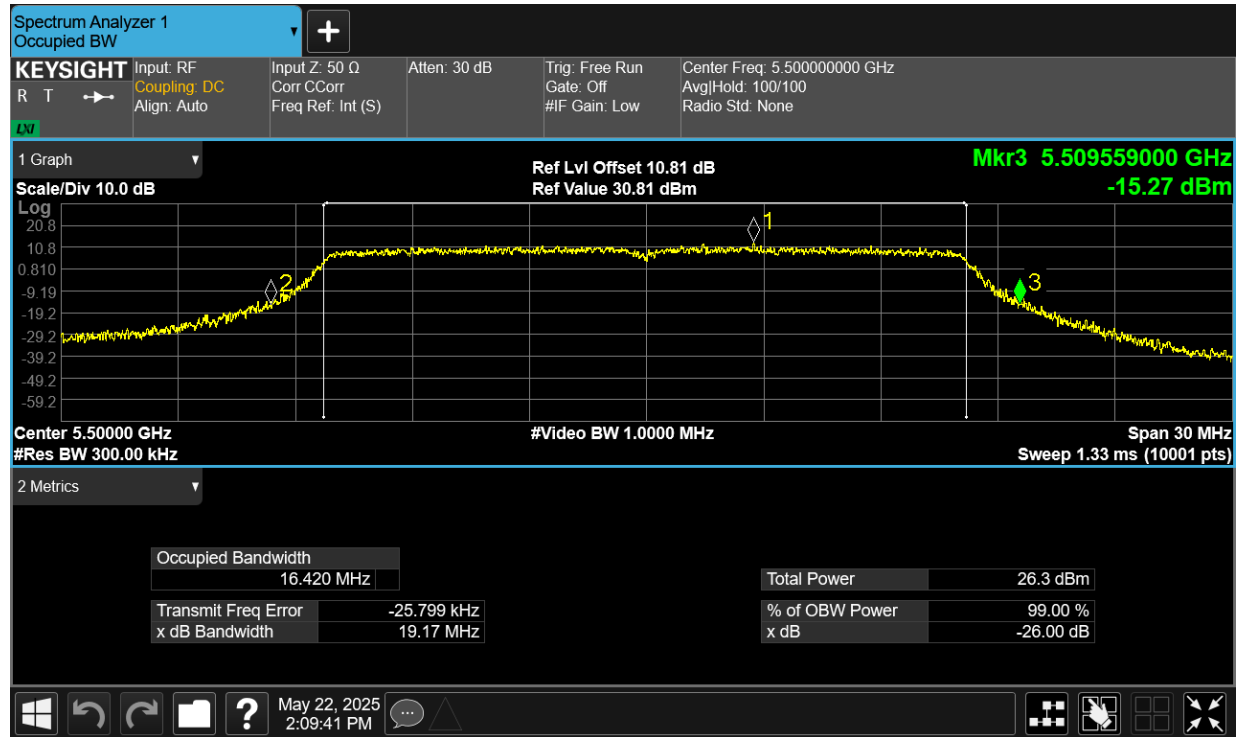
| Condition | Mode  | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) |
|-----------|-------|-----------------|---------|------------------------|
| NVNT      | a     | 5500            | Ant1    | 19.169                 |
| NVNT      | a     | 5600            | Ant1    | 19.504                 |
| NVNT      | a     | 5700            | Ant1    | 19.672                 |
| NVNT      | a     | 5500            | Ant2    | 19.033                 |
| NVNT      | a     | 5600            | Ant2    | 19.135                 |
| NVNT      | a     | 5700            | Ant2    | 19.361                 |
| NVNT      | a     | 5500            | Ant3    | 18.956                 |
| NVNT      | a     | 5600            | Ant3    | 19.406                 |
| NVNT      | a     | 5700            | Ant3    | 19.293                 |
| NVNT      | a     | 5500            | Ant4    | 19.524                 |
| NVNT      | a     | 5600            | Ant4    | 19.19                  |
| NVNT      | a     | 5700            | Ant4    | 19.333                 |
| NVNT      | ac160 | 5570            | Ant1    | 162.352                |
| NVNT      | ac160 | 5570            | Ant2    | 162.073                |
| NVNT      | ac160 | 5570            | Ant3    | 162.063                |
| NVNT      | ac160 | 5570            | Ant4    | 161.975                |
| NVNT      | ac20  | 5500            | Ant1    | 20.219                 |
| NVNT      | ac20  | 5500            | Ant2    | 19.9                   |
| NVNT      | ac20  | 5500            | Ant3    | 20.289                 |
| NVNT      | ac20  | 5500            | Ant4    | 20.2                   |
| NVNT      | ac20  | 5600            | Ant1    | 20.123                 |
| NVNT      | ac20  | 5600            | Ant2    | 20.321                 |
| NVNT      | ac20  | 5600            | Ant3    | 20.587                 |
| NVNT      | ac20  | 5600            | Ant4    | 20.309                 |
| NVNT      | ac20  | 5700            | Ant1    | 20.909                 |
| NVNT      | ac20  | 5700            | Ant2    | 20.318                 |
| NVNT      | ac20  | 5700            | Ant3    | 20.399                 |
| NVNT      | ac20  | 5700            | Ant4    | 20.472                 |
| NVNT      | ac40  | 5510            | Ant1    | 39.25                  |
| NVNT      | ac40  | 5510            | Ant2    | 39.047                 |
| NVNT      | ac40  | 5510            | Ant3    | 39.019                 |
| NVNT      | ac40  | 5510            | Ant4    | 39.1                   |
| NVNT      | ac40  | 5590            | Ant1    | 39.37                  |
| NVNT      | ac40  | 5590            | Ant2    | 39.114                 |
| NVNT      | ac40  | 5590            | Ant3    | 38.801                 |
| NVNT      | ac40  | 5590            | Ant4    | 39.27                  |
| NVNT      | ac40  | 5670            | Ant1    | 39.391                 |
| NVNT      | ac40  | 5670            | Ant2    | 38.719                 |
| NVNT      | ac40  | 5670            | Ant3    | 39.121                 |
| NVNT      | ac40  | 5670            | Ant4    | 38.733                 |
| NVNT      | ac80  | 5530            | Ant1    | 81.618                 |

|      |       |      |      |         |
|------|-------|------|------|---------|
| NVNT | ac80  | 5530 | Ant2 | 80.885  |
| NVNT | ac80  | 5530 | Ant3 | 81.815  |
| NVNT | ac80  | 5530 | Ant4 | 80.213  |
| NVNT | ac80  | 5610 | Ant1 | 80.894  |
| NVNT | ac80  | 5610 | Ant2 | 80.85   |
| NVNT | ac80  | 5610 | Ant3 | 81.278  |
| NVNT | ac80  | 5610 | Ant4 | 80.665  |
| NVNT | ax160 | 5570 | Ant1 | 162.069 |
| NVNT | ax160 | 5570 | Ant2 | 162.575 |
| NVNT | ax160 | 5570 | Ant3 | 162.052 |
| NVNT | ax160 | 5570 | Ant4 | 163.089 |
| NVNT | ax20  | 5500 | Ant1 | 20.876  |
| NVNT | ax20  | 5500 | Ant2 | 20.634  |
| NVNT | ax20  | 5500 | Ant3 | 21.079  |
| NVNT | ax20  | 5500 | Ant4 | 20.963  |
| NVNT | ax20  | 5600 | Ant1 | 21.131  |
| NVNT | ax20  | 5600 | Ant2 | 21.081  |
| NVNT | ax20  | 5600 | Ant3 | 21.172  |
| NVNT | ax20  | 5600 | Ant4 | 20.835  |
| NVNT | ax20  | 5700 | Ant1 | 20.796  |
| NVNT | ax20  | 5700 | Ant2 | 21.174  |
| NVNT | ax20  | 5700 | Ant3 | 21.199  |
| NVNT | ax20  | 5700 | Ant4 | 20.669  |
| NVNT | ax40  | 5510 | Ant1 | 40.317  |
| NVNT | ax40  | 5510 | Ant2 | 39.986  |
| NVNT | ax40  | 5510 | Ant3 | 40.051  |
| NVNT | ax40  | 5510 | Ant4 | 40.029  |
| NVNT | ax40  | 5590 | Ant1 | 39.948  |
| NVNT | ax40  | 5590 | Ant2 | 39.614  |
| NVNT | ax40  | 5590 | Ant3 | 39.71   |
| NVNT | ax40  | 5590 | Ant4 | 39.972  |
| NVNT | ax40  | 5670 | Ant1 | 39.912  |
| NVNT | ax40  | 5670 | Ant2 | 39.481  |
| NVNT | ax40  | 5670 | Ant3 | 39.748  |
| NVNT | ax40  | 5670 | Ant4 | 39.849  |
| NVNT | ax80  | 5530 | Ant1 | 81.723  |
| NVNT | ax80  | 5530 | Ant2 | 81.437  |
| NVNT | ax80  | 5530 | Ant3 | 81.025  |
| NVNT | ax80  | 5530 | Ant4 | 81.555  |
| NVNT | ax80  | 5610 | Ant1 | 81.047  |
| NVNT | ax80  | 5610 | Ant2 | 80.856  |
| NVNT | ax80  | 5610 | Ant3 | 81.303  |
| NVNT | ax80  | 5610 | Ant4 | 81.091  |
| NVNT | n20   | 5500 | Ant1 | 20.287  |

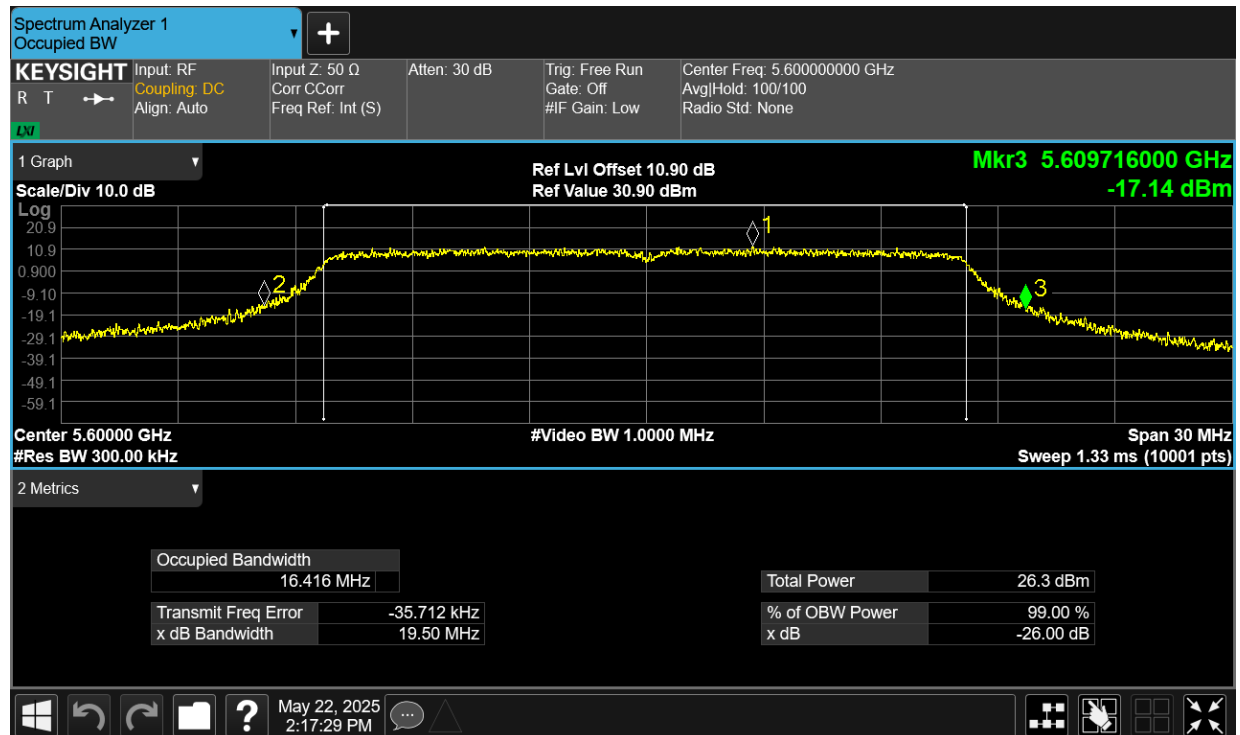
|      |     |      |      |        |
|------|-----|------|------|--------|
| NVNT | n20 | 5500 | Ant2 | 19.779 |
| NVNT | n20 | 5500 | Ant3 | 20.24  |
| NVNT | n20 | 5500 | Ant4 | 20.139 |
| NVNT | n20 | 5600 | Ant1 | 20.178 |
| NVNT | n20 | 5600 | Ant2 | 20.286 |
| NVNT | n20 | 5600 | Ant3 | 20.217 |
| NVNT | n20 | 5600 | Ant4 | 20.041 |
| NVNT | n20 | 5700 | Ant1 | 20.141 |
| NVNT | n20 | 5700 | Ant2 | 20.314 |
| NVNT | n20 | 5700 | Ant3 | 20.41  |
| NVNT | n20 | 5700 | Ant4 | 20.208 |
| NVNT | n40 | 5510 | Ant1 | 39.789 |
| NVNT | n40 | 5510 | Ant2 | 39.311 |
| NVNT | n40 | 5510 | Ant3 | 39.346 |
| NVNT | n40 | 5510 | Ant4 | 39.024 |
| NVNT | n40 | 5590 | Ant1 | 39.657 |
| NVNT | n40 | 5590 | Ant2 | 38.944 |
| NVNT | n40 | 5590 | Ant3 | 38.909 |
| NVNT | n40 | 5590 | Ant4 | 39.149 |
| NVNT | n40 | 5670 | Ant1 | 39.475 |
| NVNT | n40 | 5670 | Ant2 | 38.747 |
| NVNT | n40 | 5670 | Ant3 | 38.84  |
| NVNT | n40 | 5670 | Ant4 | 38.851 |

## Test Graphs

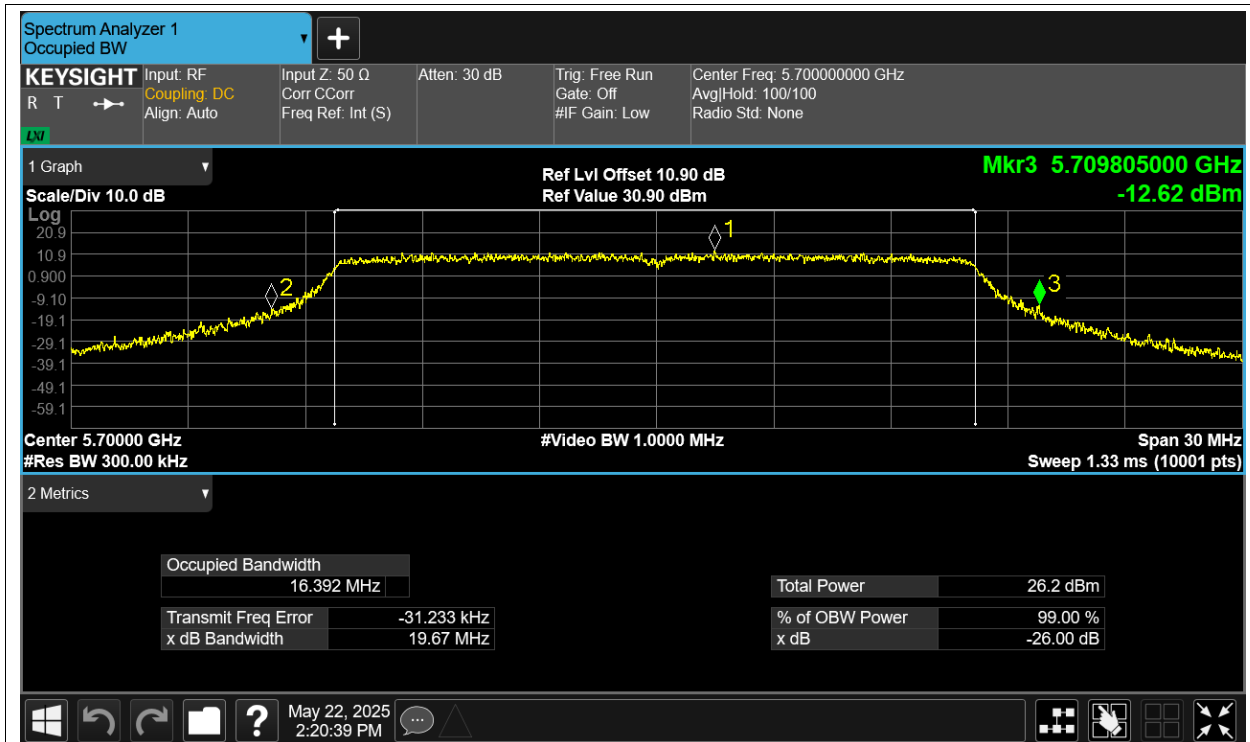
-26dB Bandwidth NVNT a 5500MHz Ant1



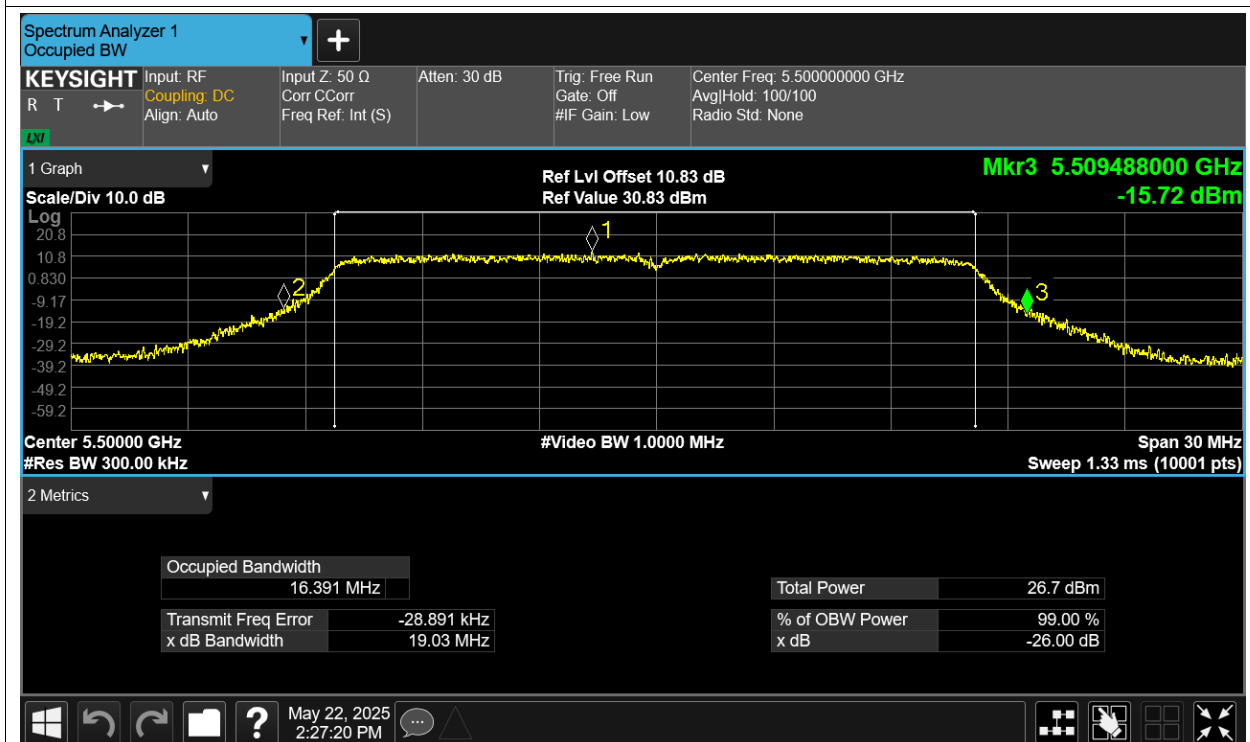
-26dB Bandwidth NVNT a 5600MHz Ant1



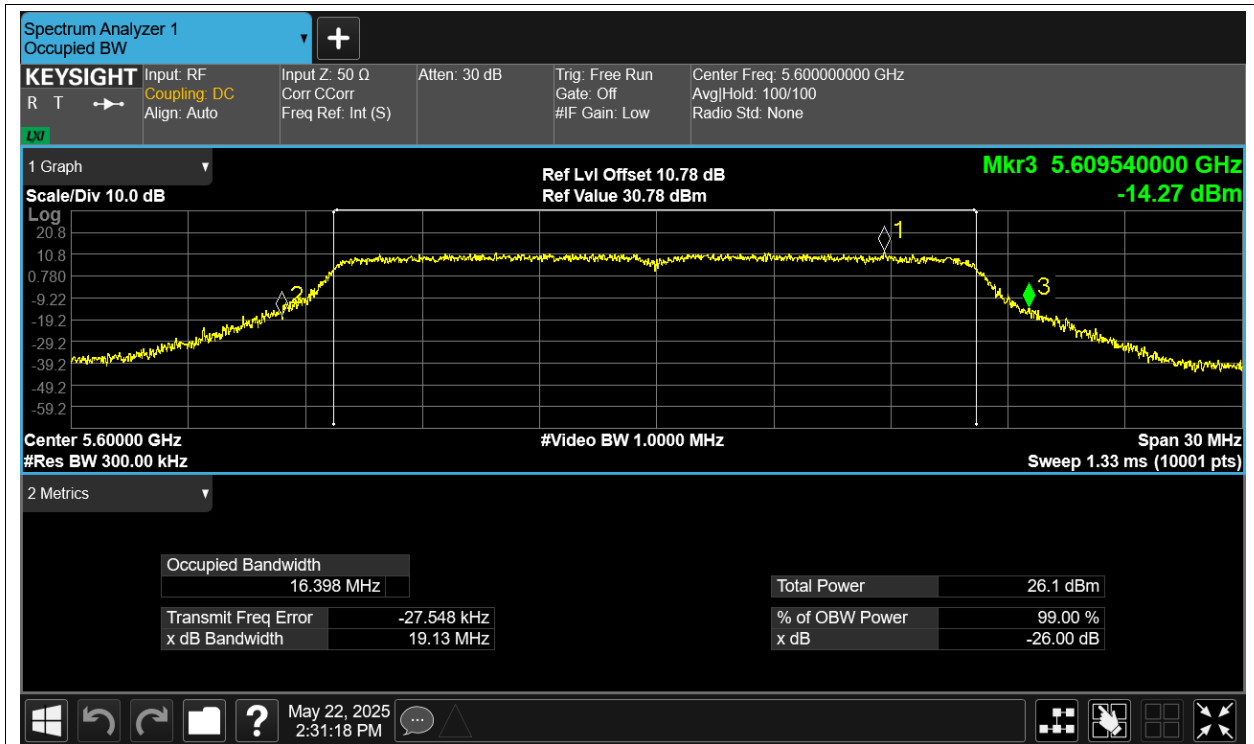
-26dB Bandwidth NVNT a 5700MHz Ant1



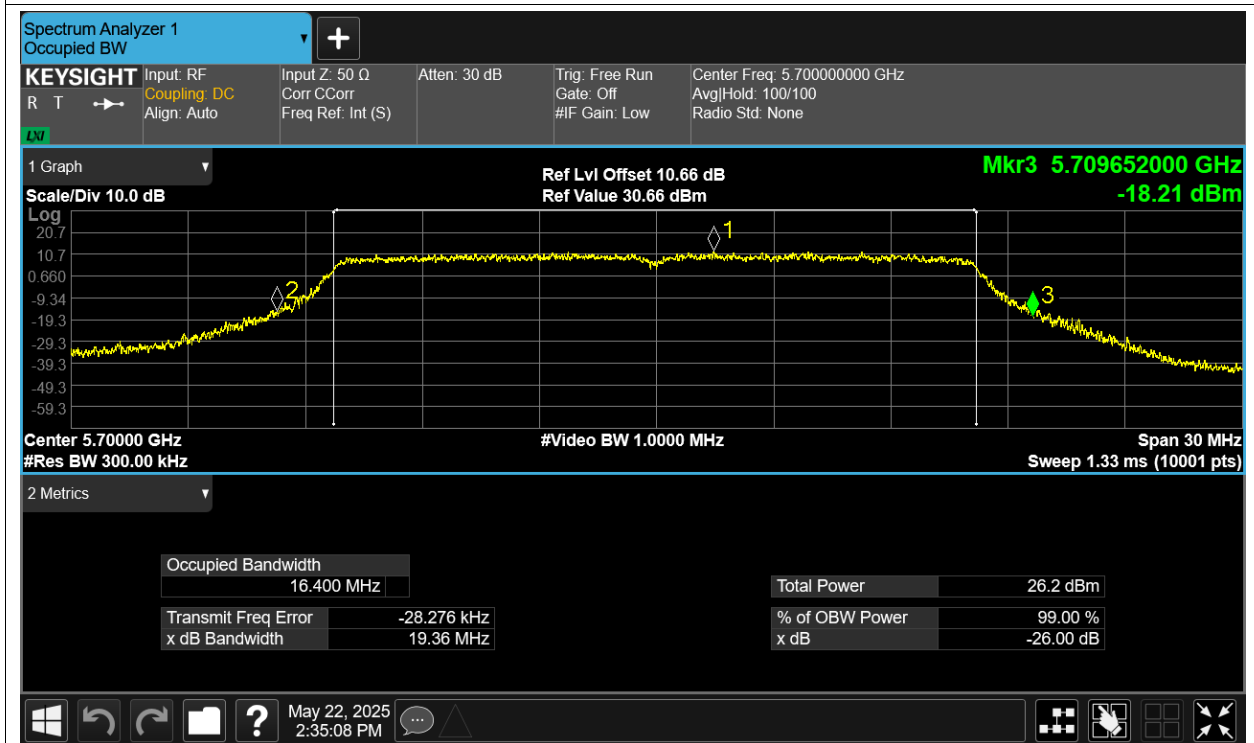
-26dB Bandwidth NVNT a 5500MHz Ant2



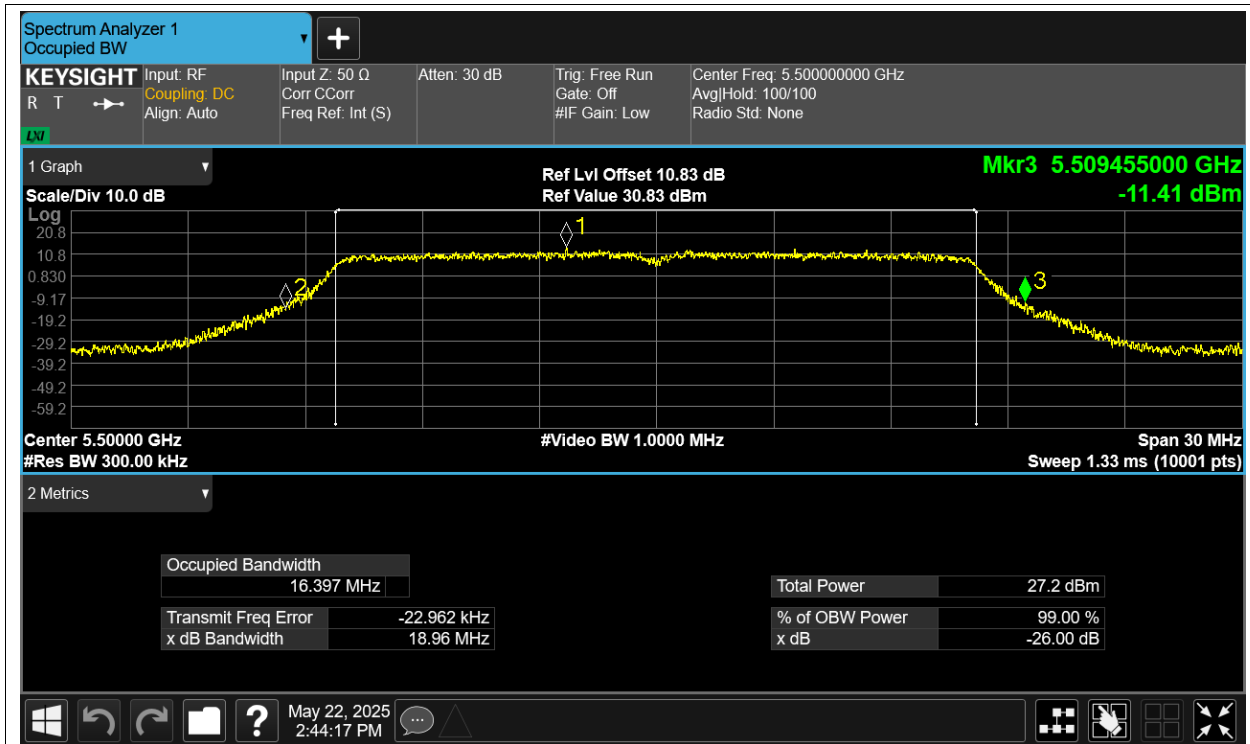
-26dB Bandwidth NVNT a 5600MHz Ant2



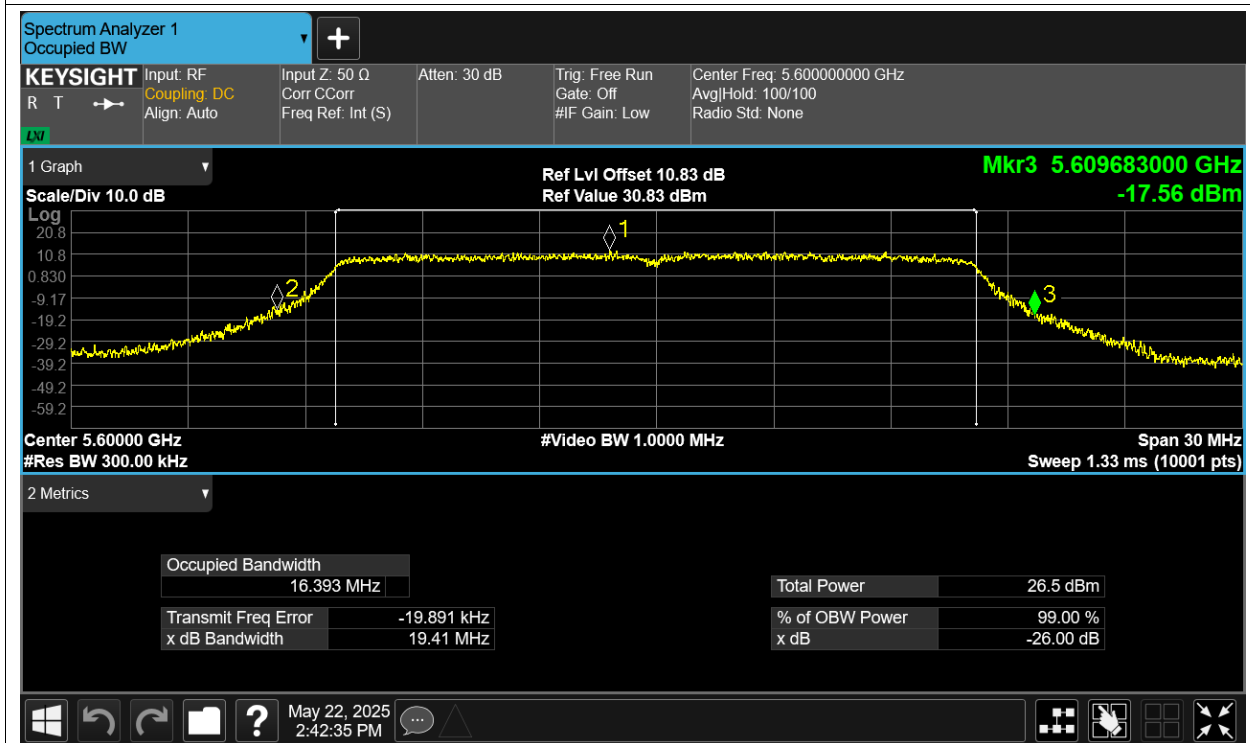
-26dB Bandwidth NVNT a 5700MHz Ant2



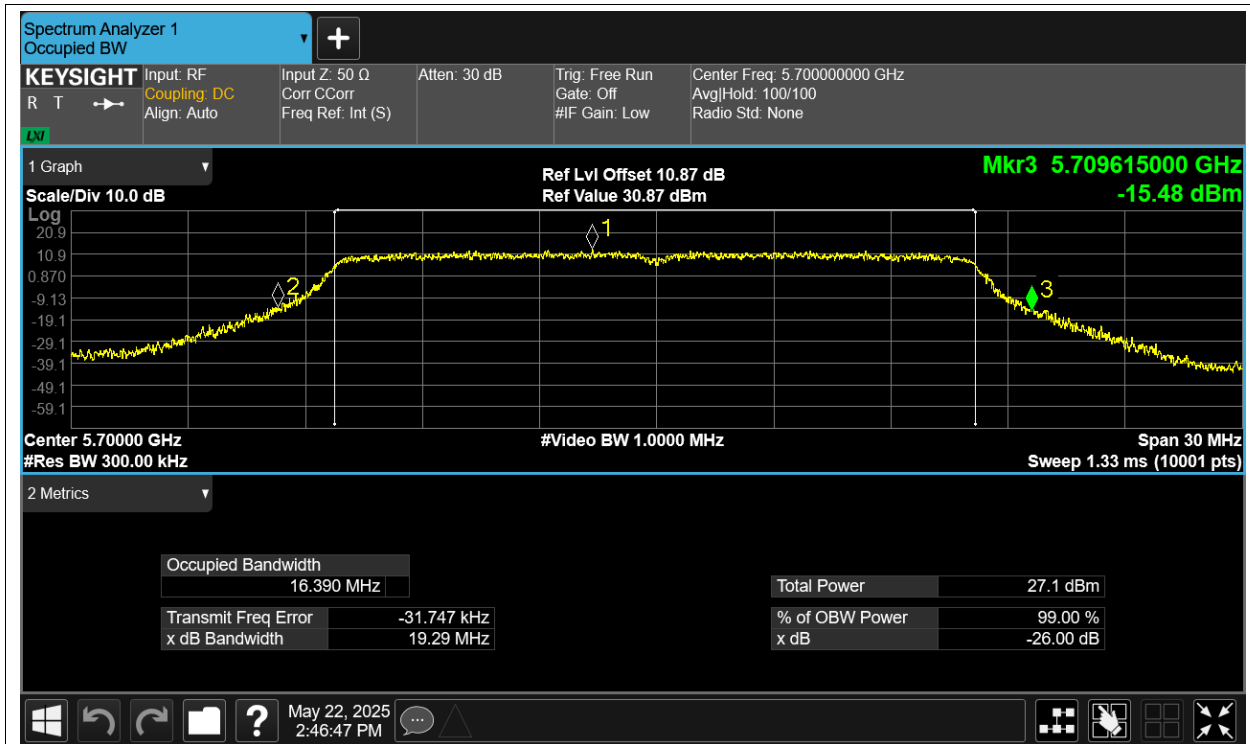
-26dB Bandwidth NVNT a 5500MHz Ant3



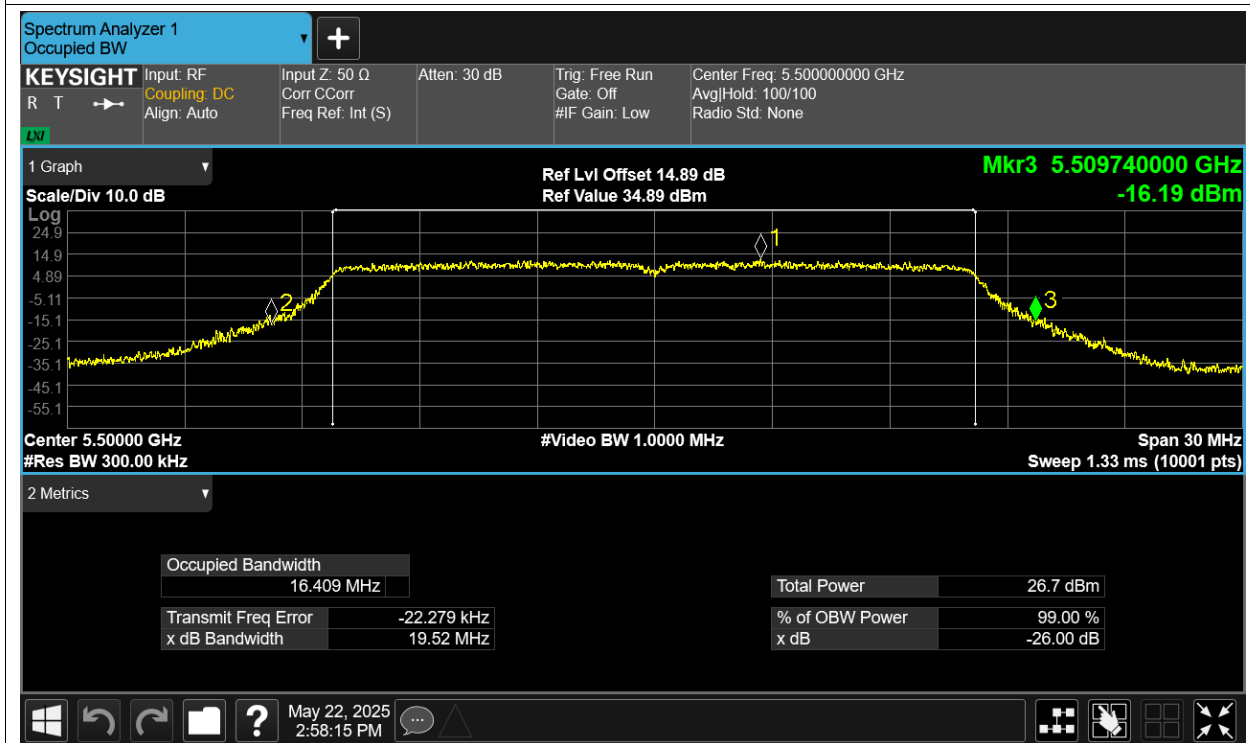
-26dB Bandwidth NVNT a 5600MHz Ant3



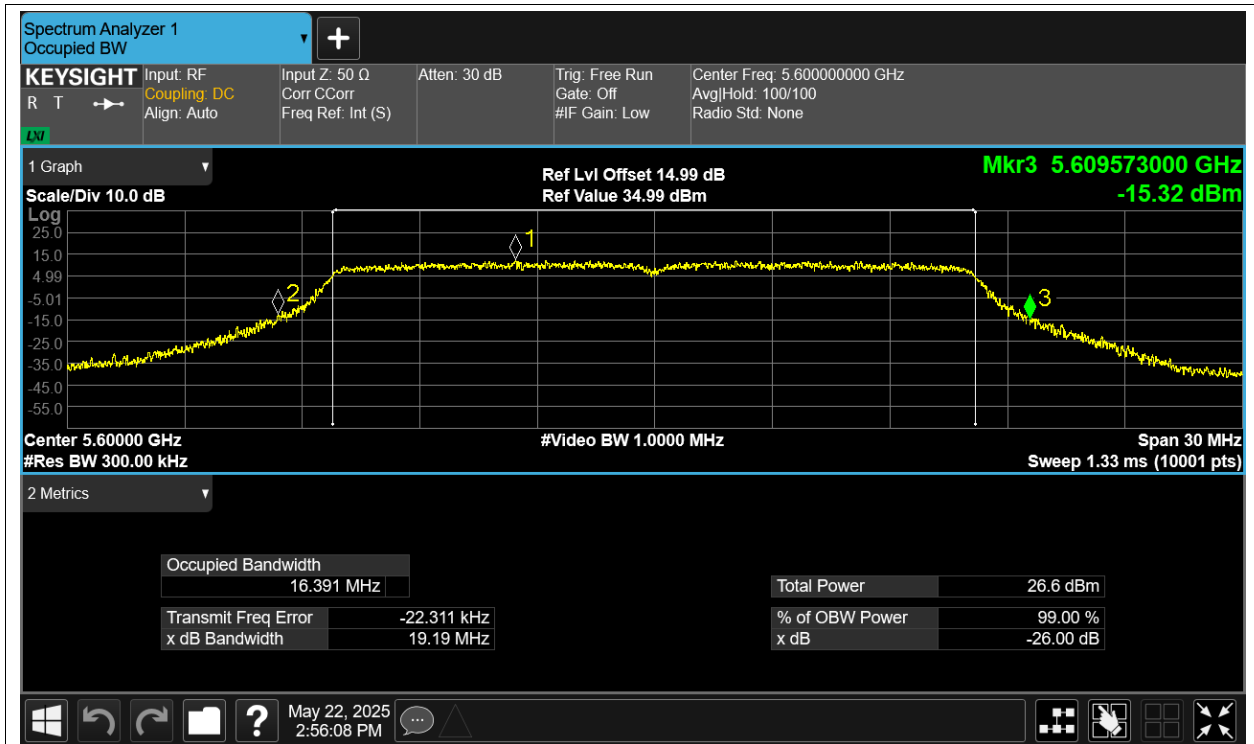
-26dB Bandwidth NVNT a 5700MHz Ant3



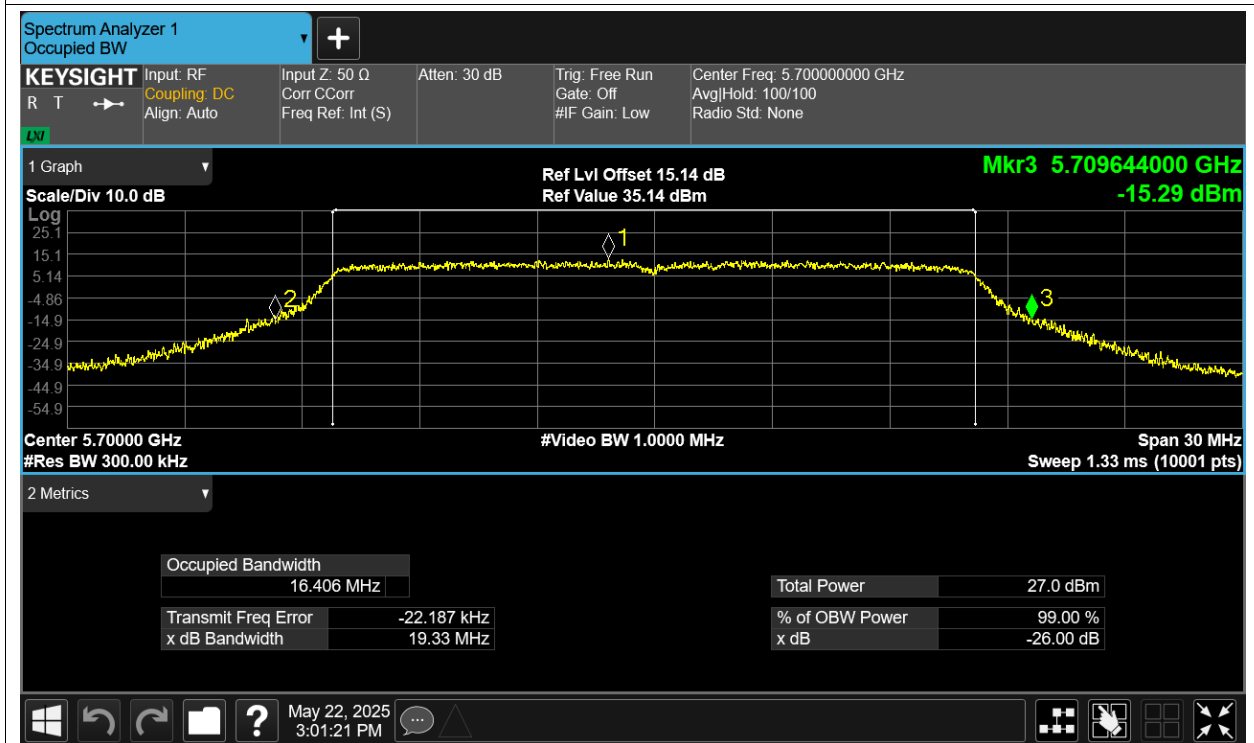
-26dB Bandwidth NVNT a 5500MHz Ant4



-26dB Bandwidth NVNT a 5600MHz Ant4



-26dB Bandwidth NVNT a 5700MHz Ant4



-26dB Bandwidth NVNT ac160 5570MHz Ant1