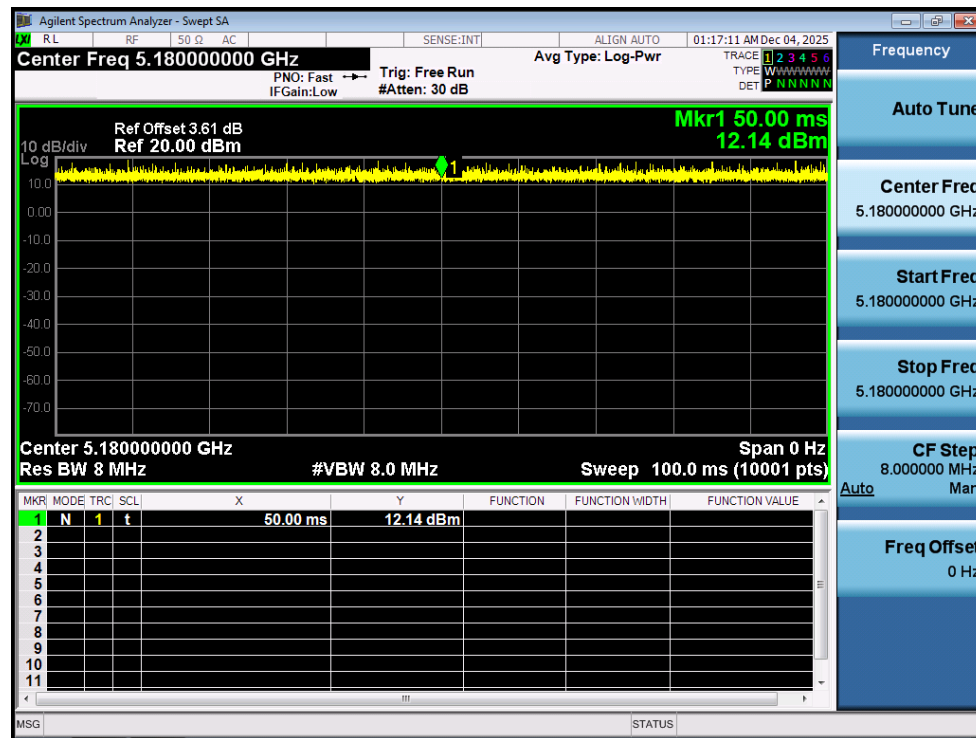


## Duty Cycle

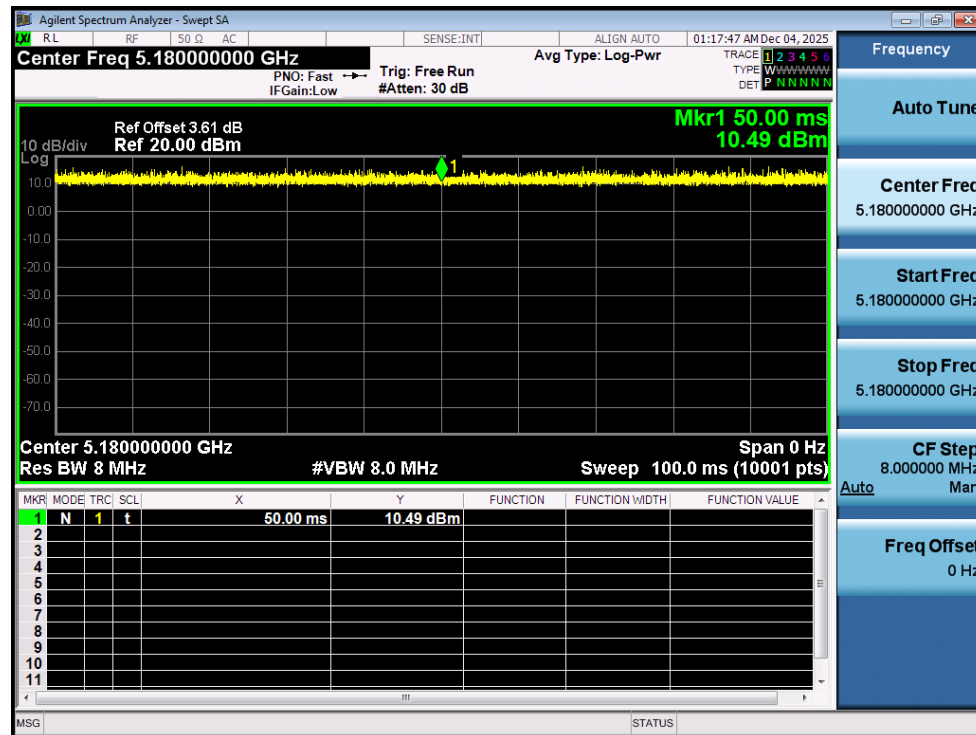
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) |
|-----------|------|-----------------|---------|----------------|------------------------|
| NVNT      | a    | 5180            | Ant A   | 100            | 0                      |
| NVNT      | n20  | 5180  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

## Test Graphs

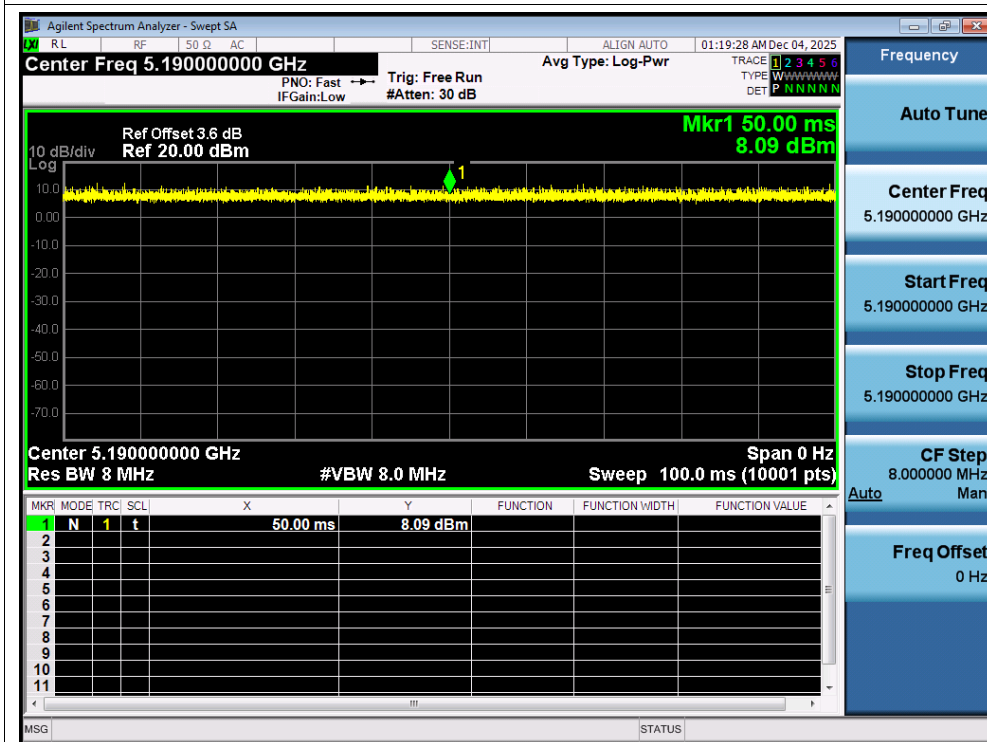
Duty Cycle NVNT a 5180MHz Ant A



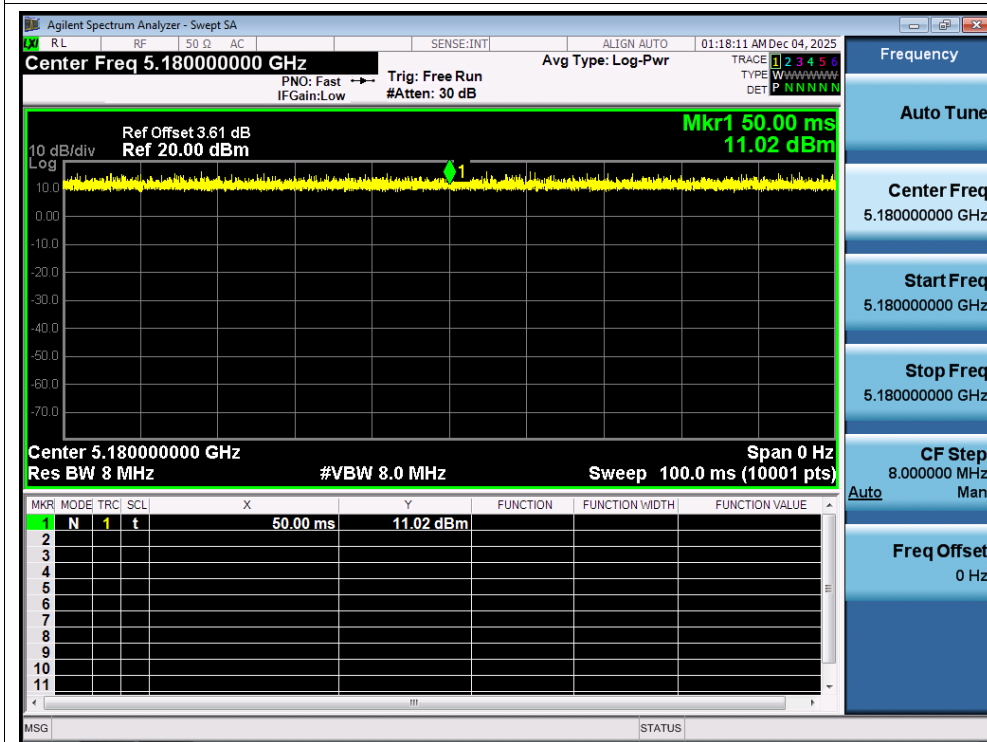
## Duty Cycle NVNT n20 5180MHz Ant A



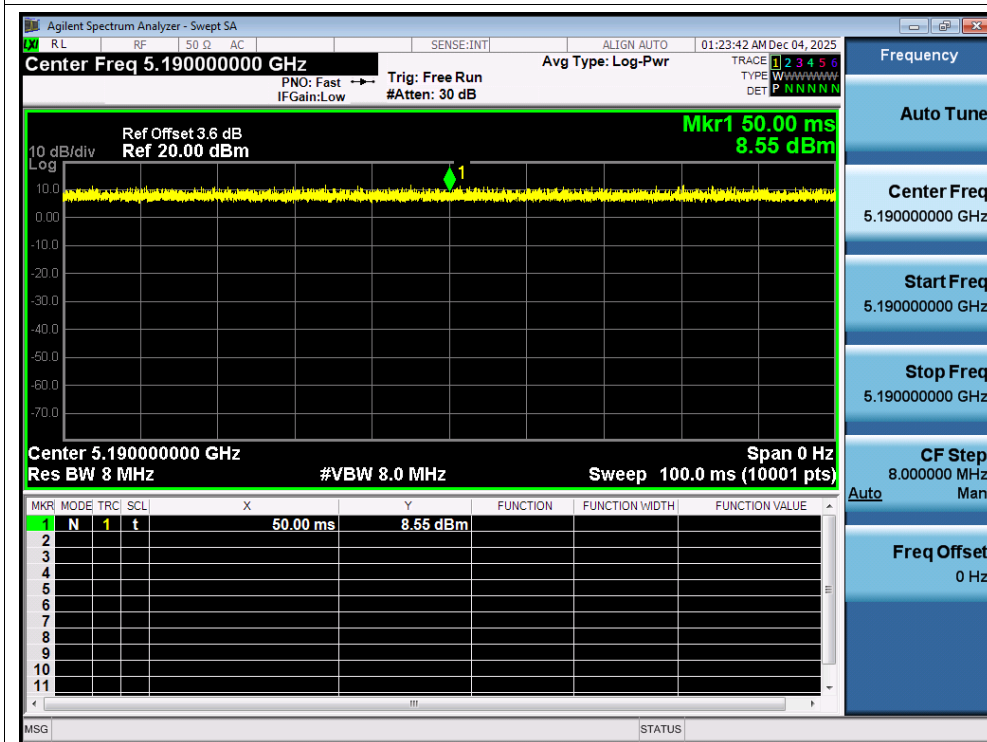
Duty Cycle NVNT n40 5190MHz Ant A



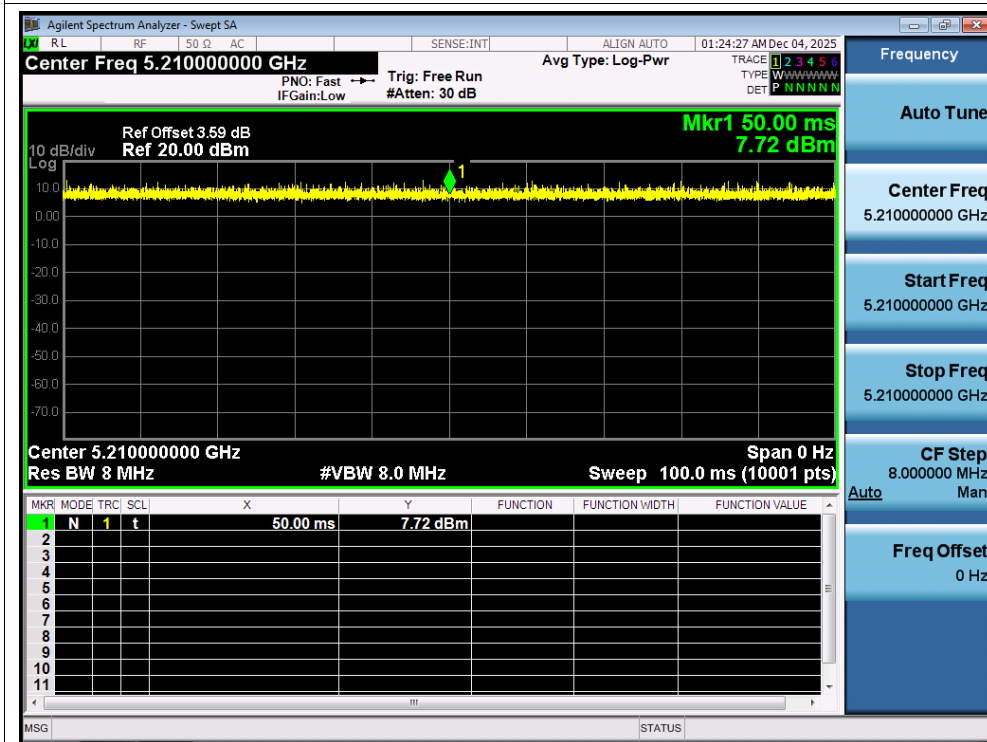
Duty Cycle NVNT ac20 5180MHz Ant A



Duty Cycle NVNT ac40 5190MHz Ant A



Duty Cycle NVNT ac80 5210MHz Ant A



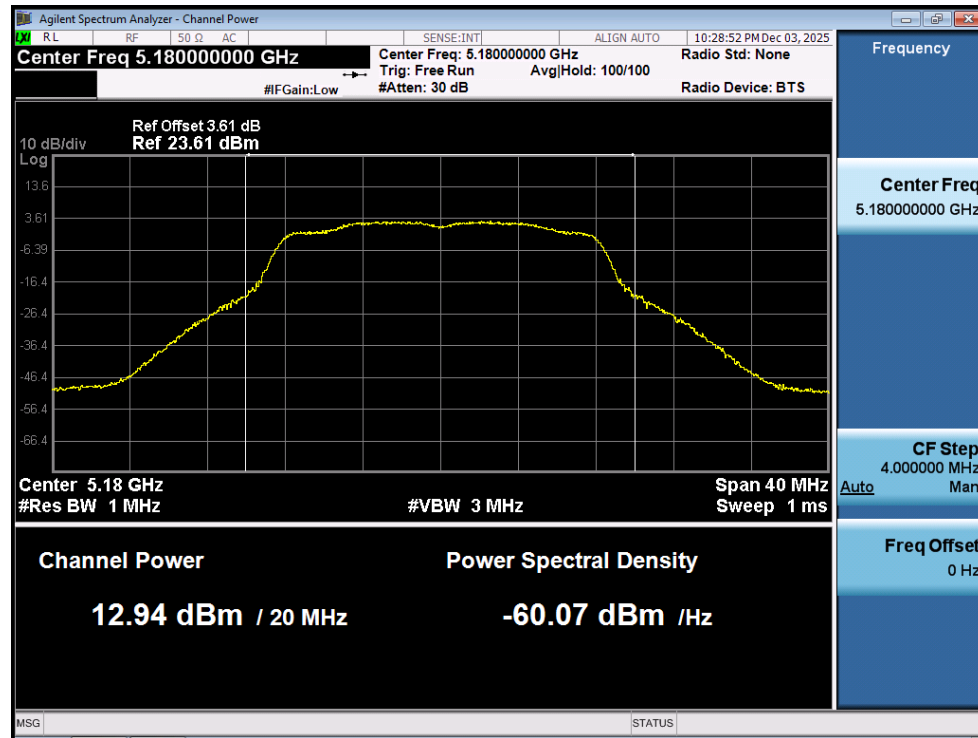
## Maximum Conducted Output Power

| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------------|----------------|---------|
| NVNT      | a    | 5180               | Ant A   | 12.94                    | 24             | Pass    |
| NVNT      | a    | 5200               | Ant A   | 12.34                    | 24             | Pass    |
| NVNT      | a    | 5240               | Ant A   | 12.36                    | 24             | Pass    |
| NVNT      | n20  | 5180               | Ant A   | 10.75                    | 24             | Pass    |
| NVNT      | n20  | 5200               | Ant A   | 10.2                     | 24             | Pass    |
| NVNT      | n20  | 5240               | Ant A   | 10.15                    | 24             | Pass    |
| NVNT      | n40  | 5190               | Ant A   | 9.43                     | 24             | Pass    |
| NVNT      | n40  | 5230               | Ant A   | 9.96                     | 24             | Pass    |
| NVNT      | ac20 | 5180               | Ant A   | 11.23                    | 24             | Pass    |
| NVNT      | ac20 | 5200               | Ant A   | 11.13                    | 24             | Pass    |
| NVNT      | ac20 | 5240               | Ant A   | 11.38                    | 24             | Pass    |
| NVNT      | ac40 | 5190               | Ant A   | 9.4                      | 24             | Pass    |
| NVNT      | ac40 | 5230               | Ant A   | 10.07                    | 24             | Pass    |
| NVNT      | ac80 | 5210               | Ant A   | 8.72                     | 24             | Pass    |

Note: This product does not support MIMO mode and is a single-transmit-single-receive type.

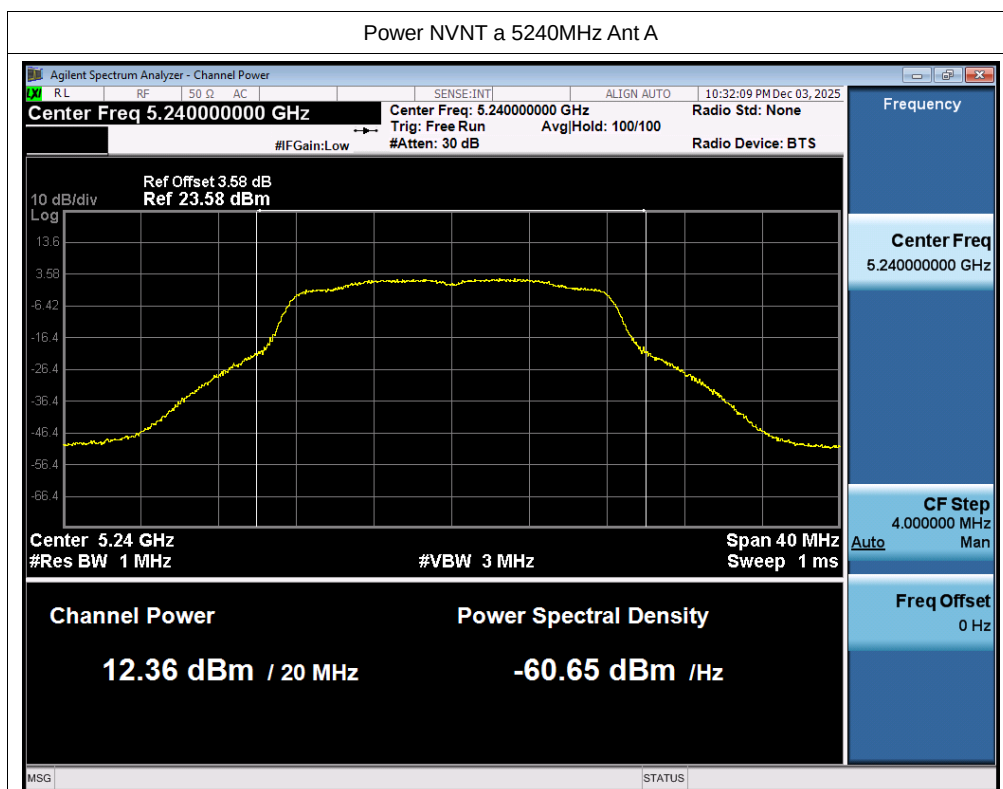
## Test Graphs

## Power NVNT a 5180MHz Ant A



## Power NVNT a 5200MHz Ant A

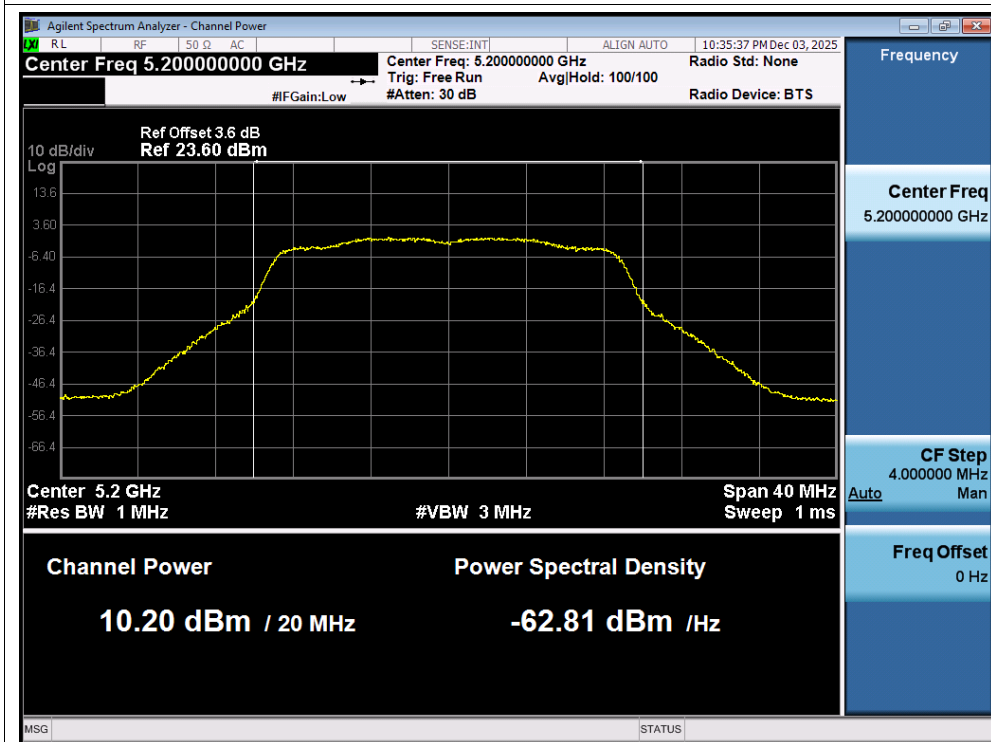




Power NVNT n20 5180MHz Ant A



Power NVNT n20 5200MHz Ant A



Power NVNT n20 5240MHz Ant A



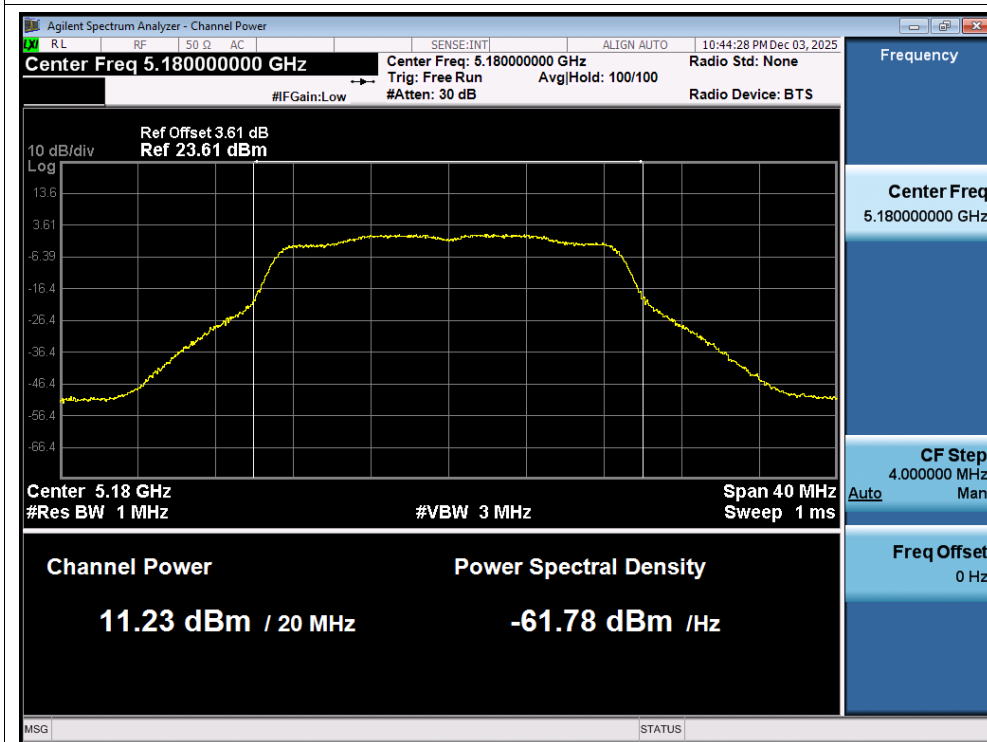
Power NVNT n40 5190MHz Ant A



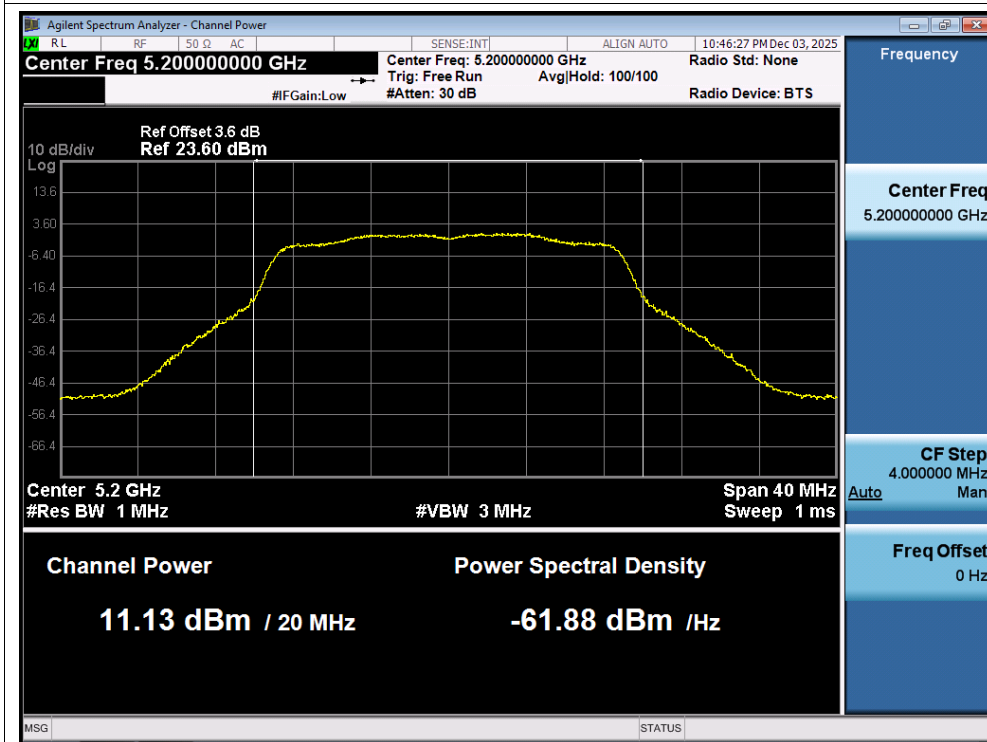
Power NVNT n40 5230MHz Ant A



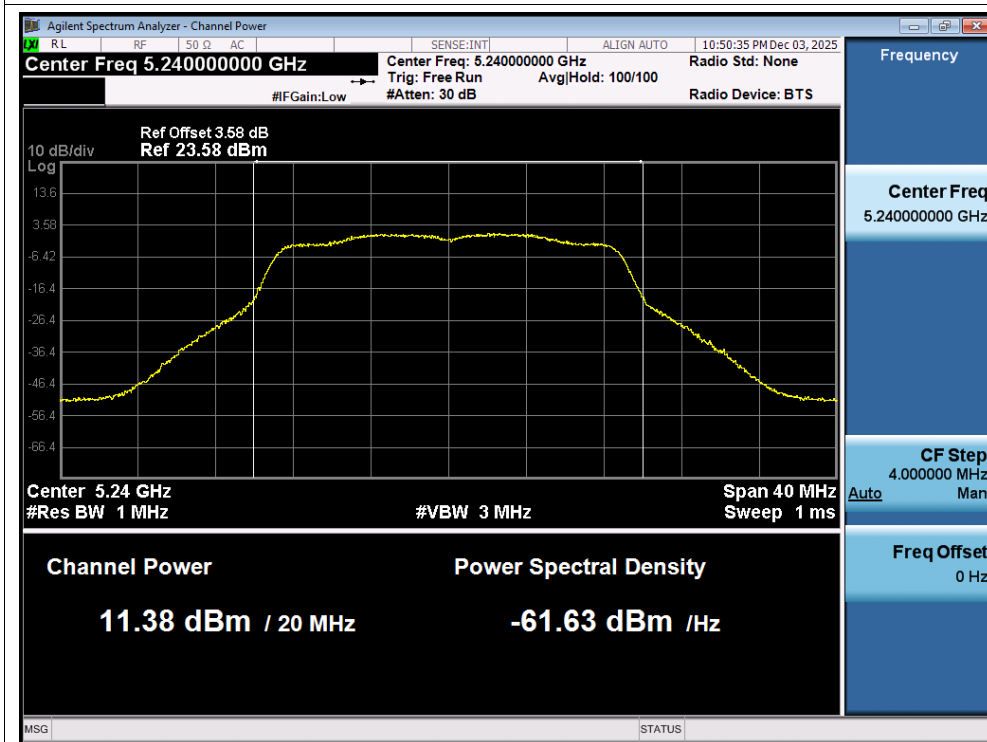
Power NVNT ac20 5180MHz Ant A



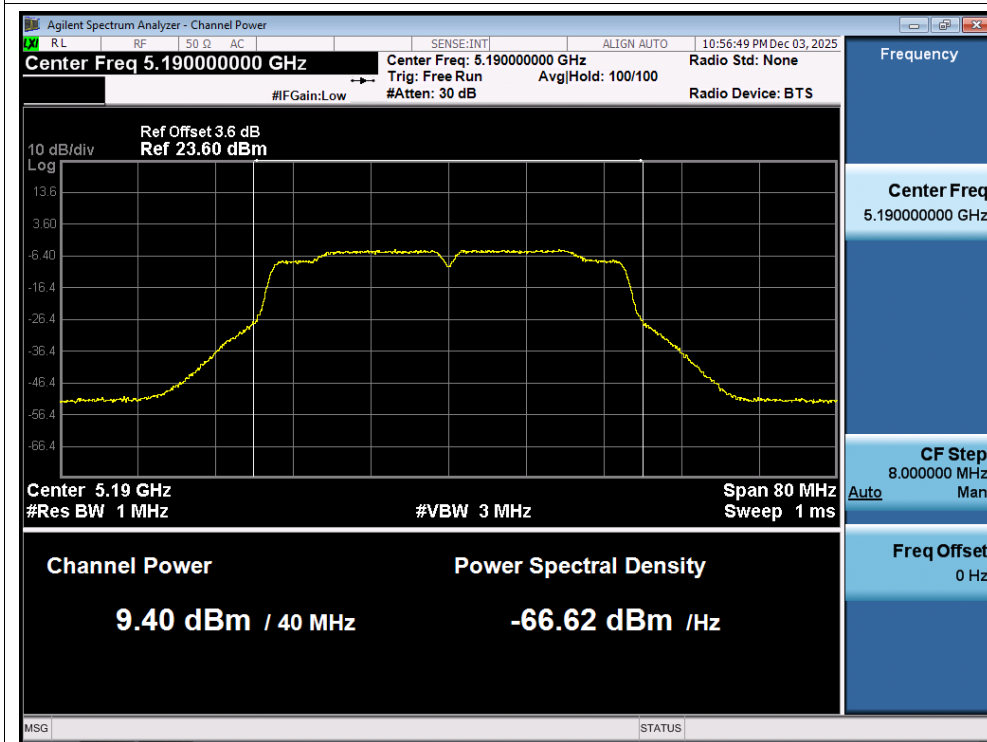
Power NVNT ac20 5200MHz Ant A



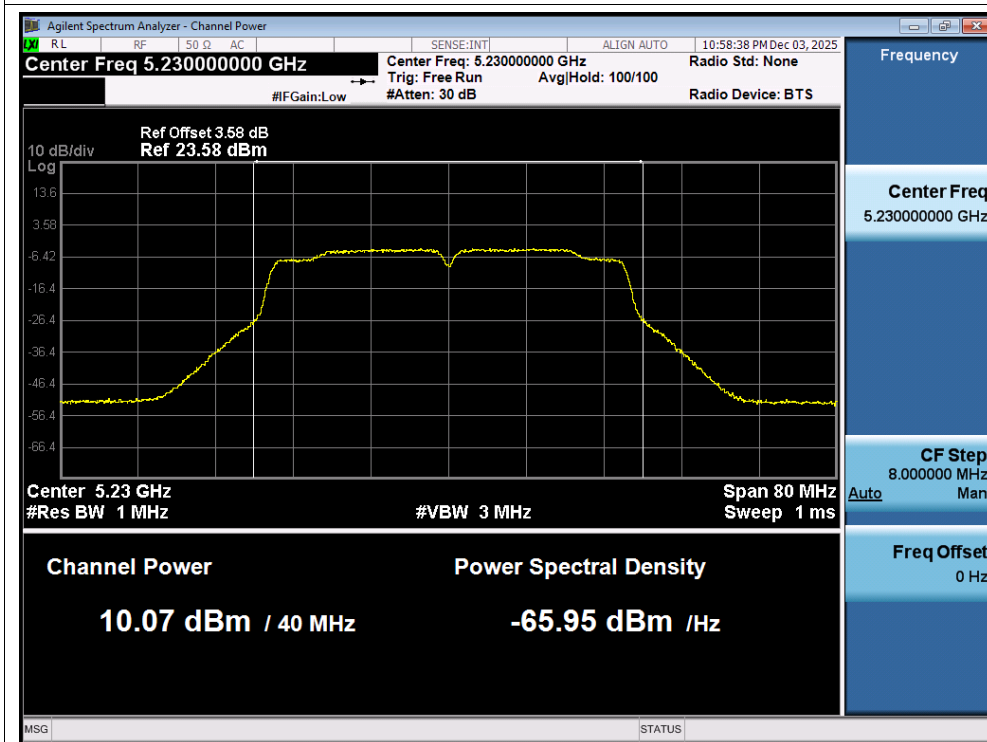
Power NVNT ac20 5240MHz Ant A



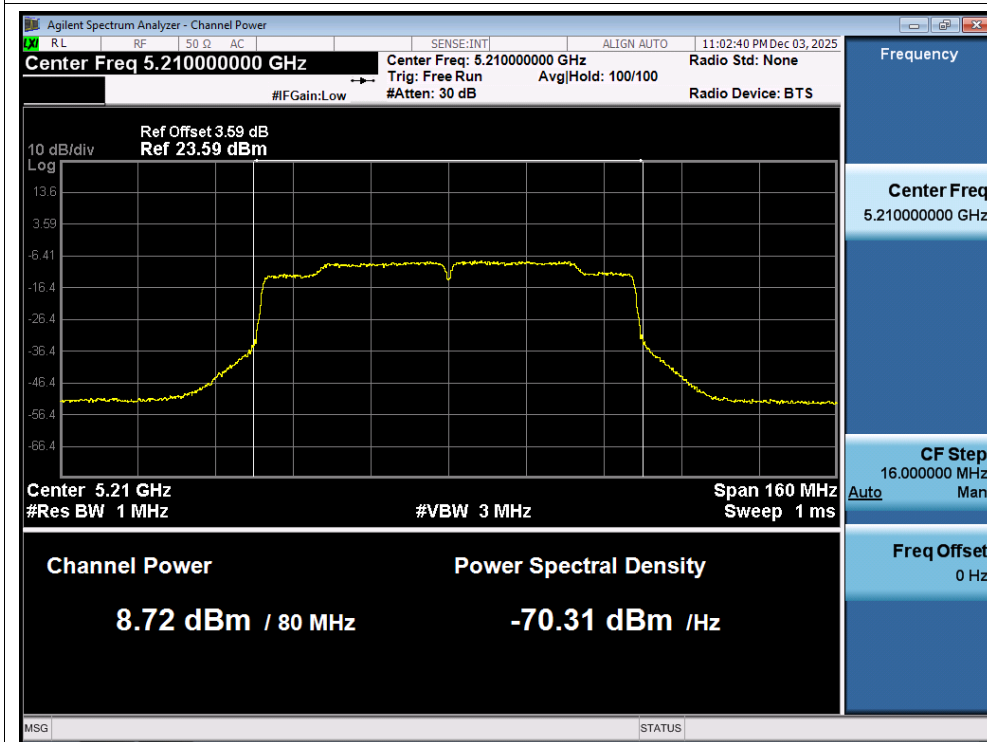
Power NVNT ac40 5190MHz Ant A



Power NVNT ac40 5230MHz Ant A



Power NVNT ac80 5210MHz Ant A

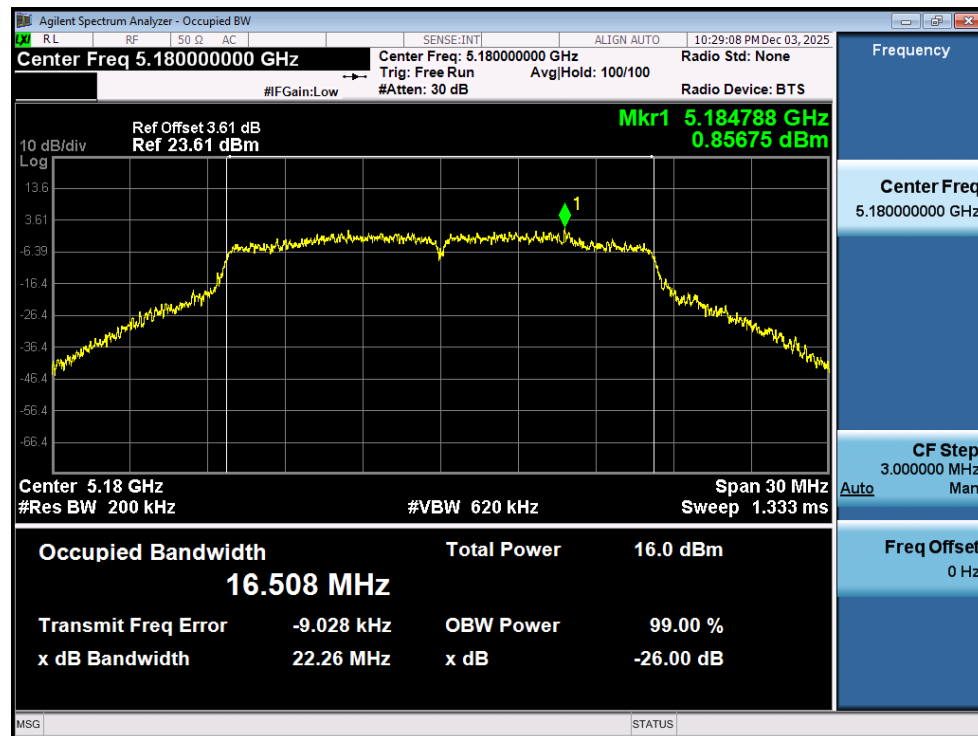


## -26dB Bandwidth

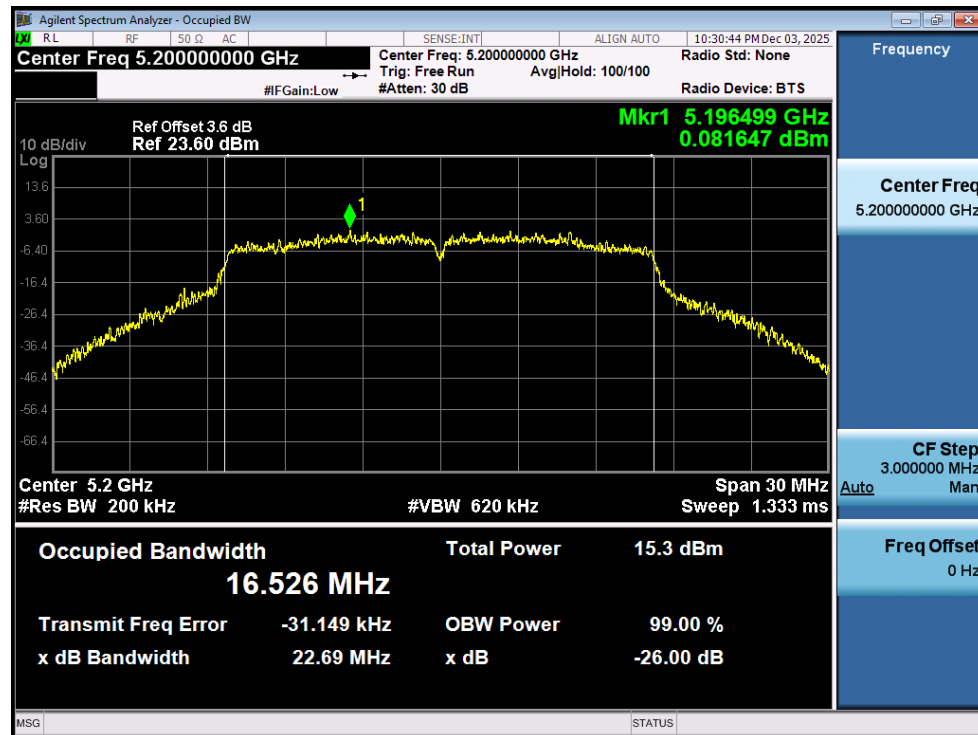
| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Limit -26 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT      | a    | 5180            | Ant A   | 22.257                 | 0.5                          | Pass    |
|           |      | 5200            |         | 22.69                  | 0.5                          | Pass    |
|           |      | 5240            |         | 22.23                  | 0.5                          | Pass    |
|           | n20  | 5180            |         | 22.11                  | 0.5                          | Pass    |
|           |      | 5200            |         | 22.771                 | 0.5                          | Pass    |
|           |      | 5240            |         | 22.593                 | 0.5                          | Pass    |
|           | n40  | 5190            |         | 43.011                 | 0.5                          | Pass    |
|           |      | 5230            |         | 43.305                 | 0.5                          | Pass    |
|           | ac20 | 5180            |         | 23.353                 | 0.5                          | Pass    |
|           |      | 5200            |         | 22.101                 | 0.5                          | Pass    |
|           |      | 5240            |         | 22.469                 | 0.5                          | Pass    |
|           | ac40 | 5190            |         | 44.259                 | 0.5                          | Pass    |
|           |      | 5230            |         | 43.575                 | 0.5                          | Pass    |
|           | ac80 | 5210            |         | 82.875                 | 0.5                          | Pass    |

## Test Graphs

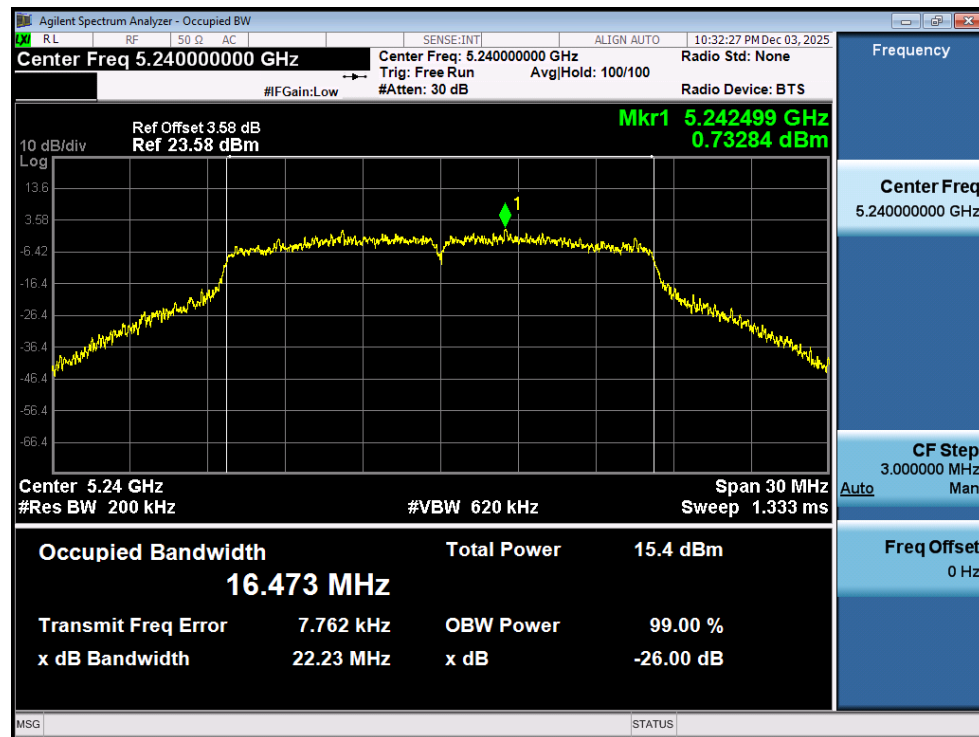
-26dB Bandwidth NVNT a 5180MHz Ant A



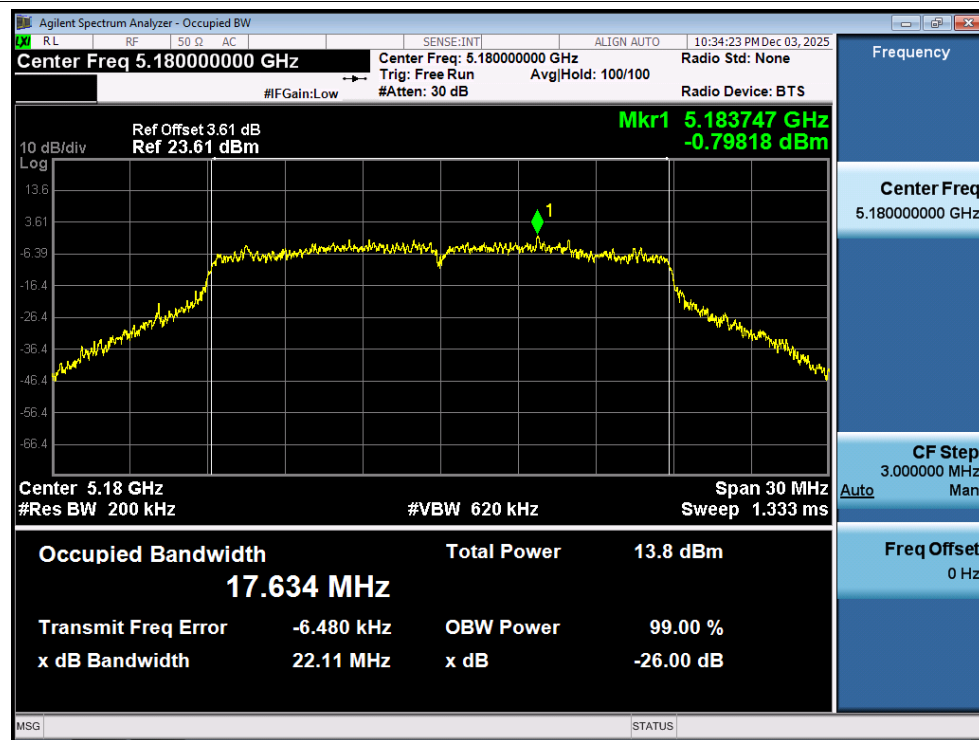
-26dB Bandwidth NVNT a 5200MHz Ant A



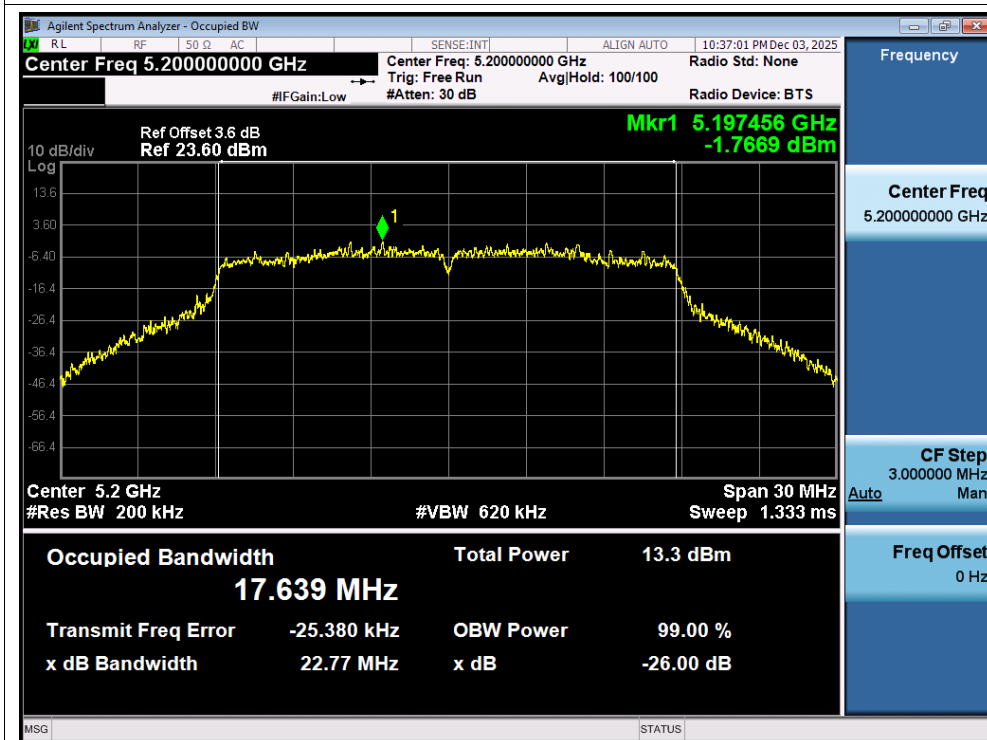
## -26dB Bandwidth NVNT a 5240MHz Ant A



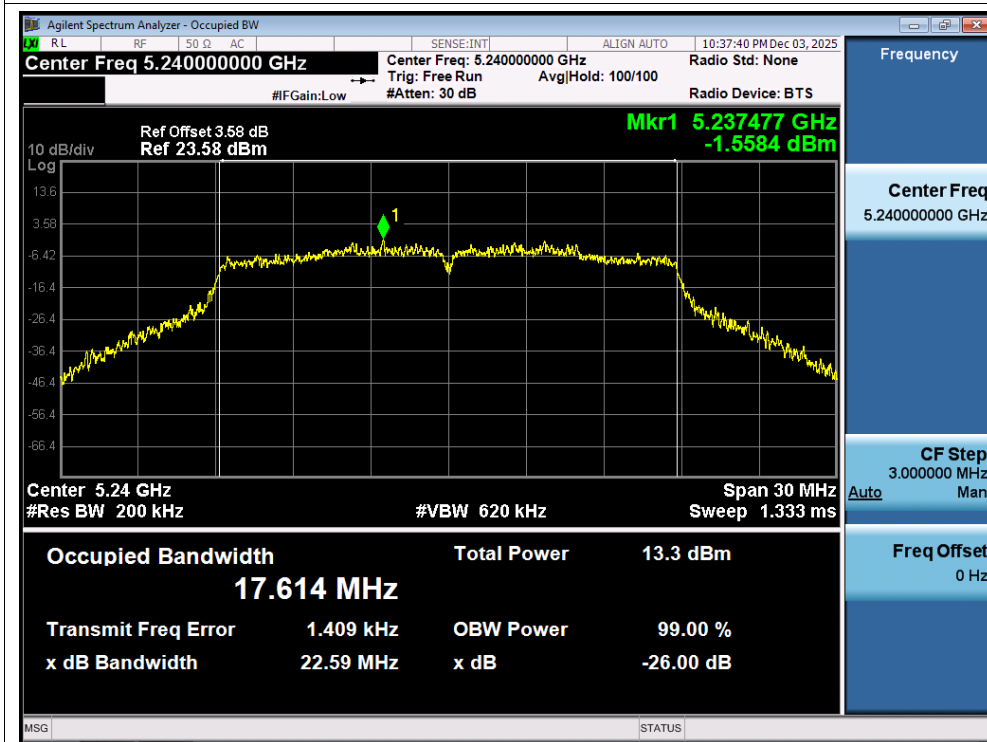
## -26dB Bandwidth NVNT n20 5180MHz Ant A



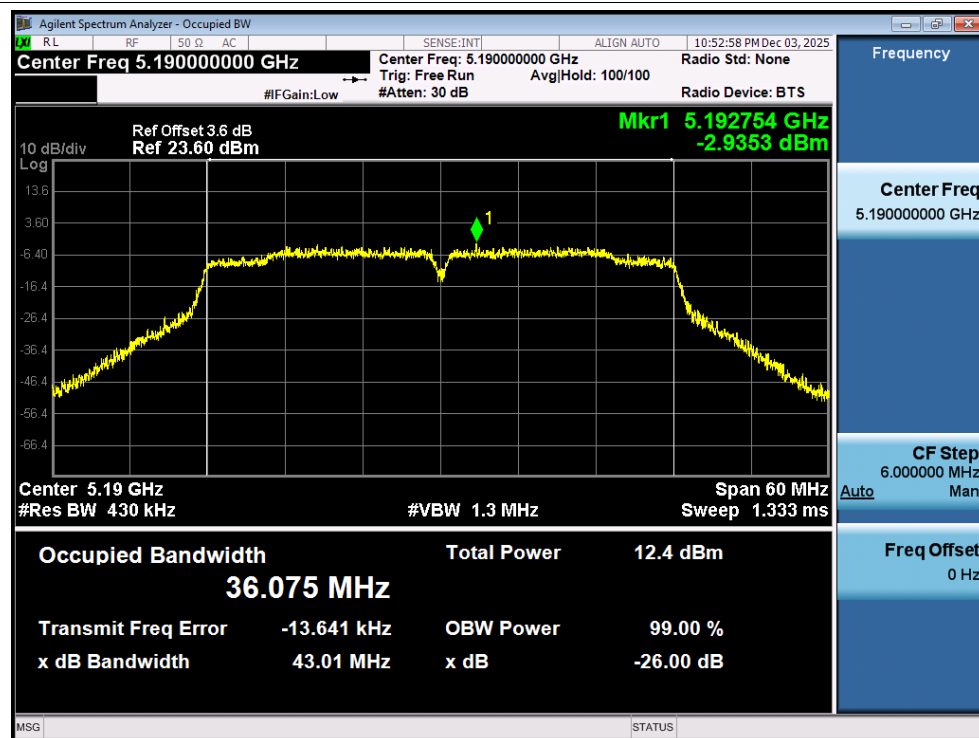
-26dB Bandwidth NVNT n20 5200MHz Ant A



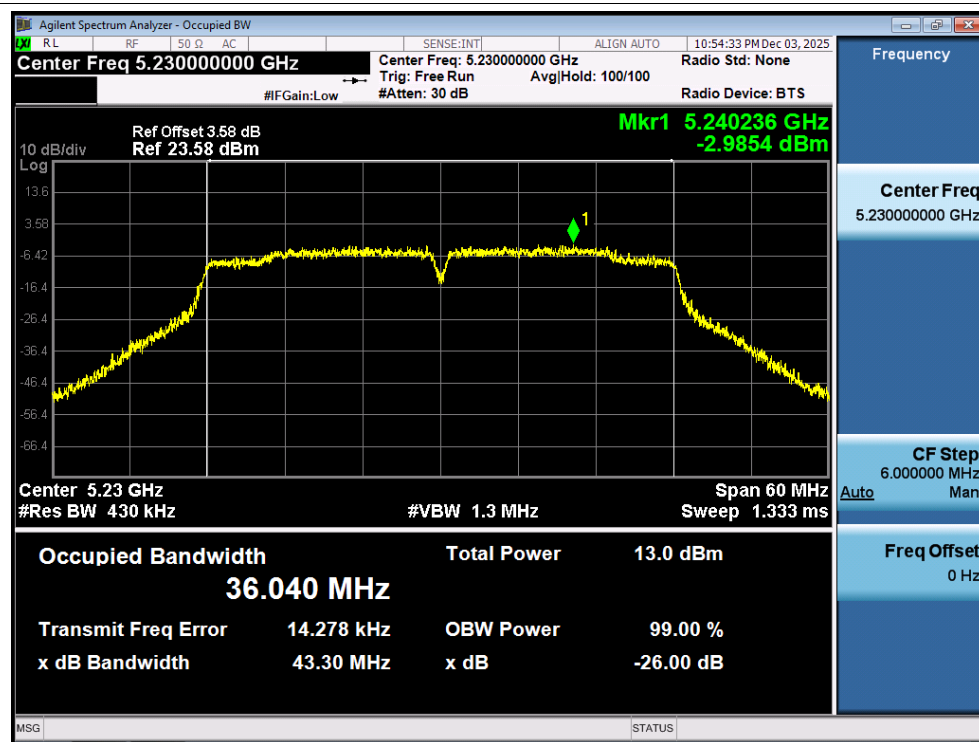
-26dB Bandwidth NVNT n20 5240MHz Ant A



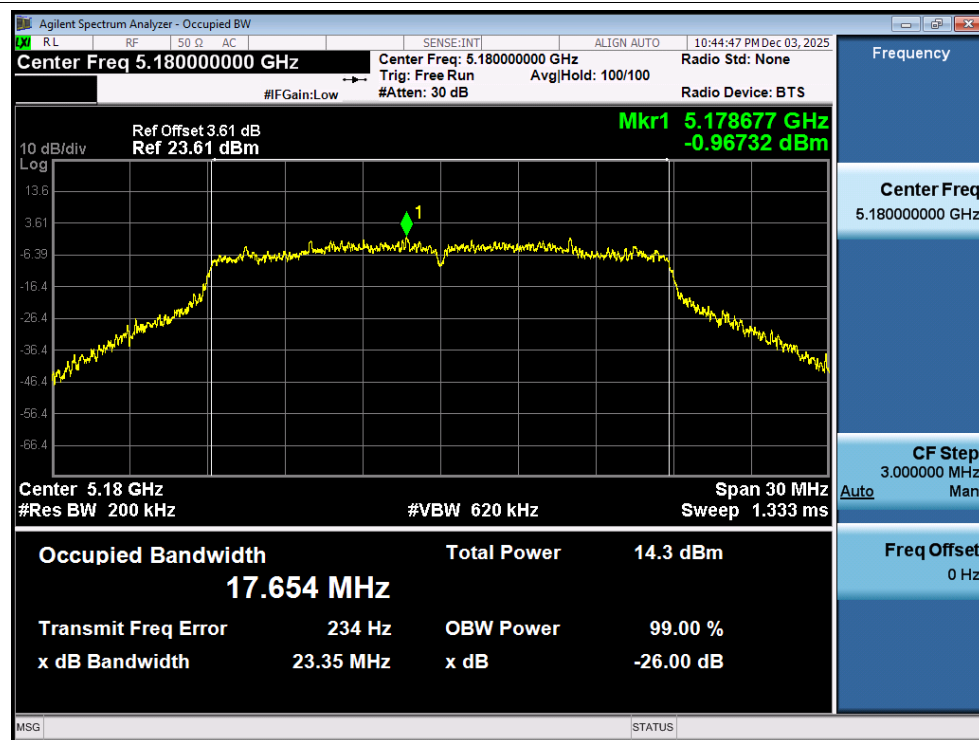
-26dB Bandwidth NVNT n40 5190MHz Ant A



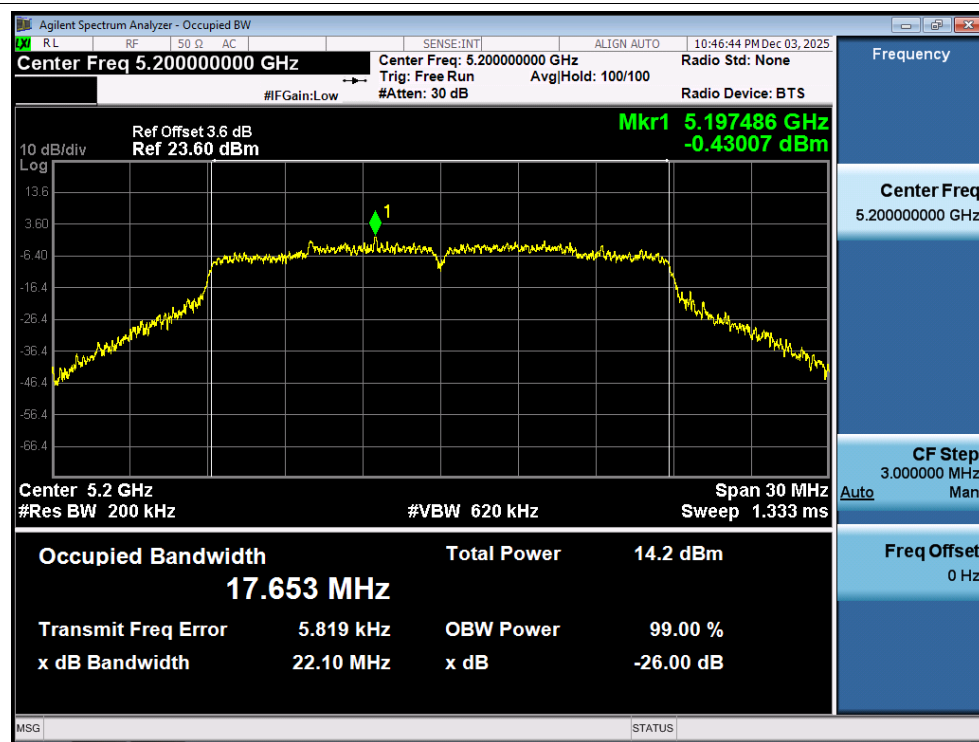
-26dB Bandwidth NVNT n40 5230MHz Ant A



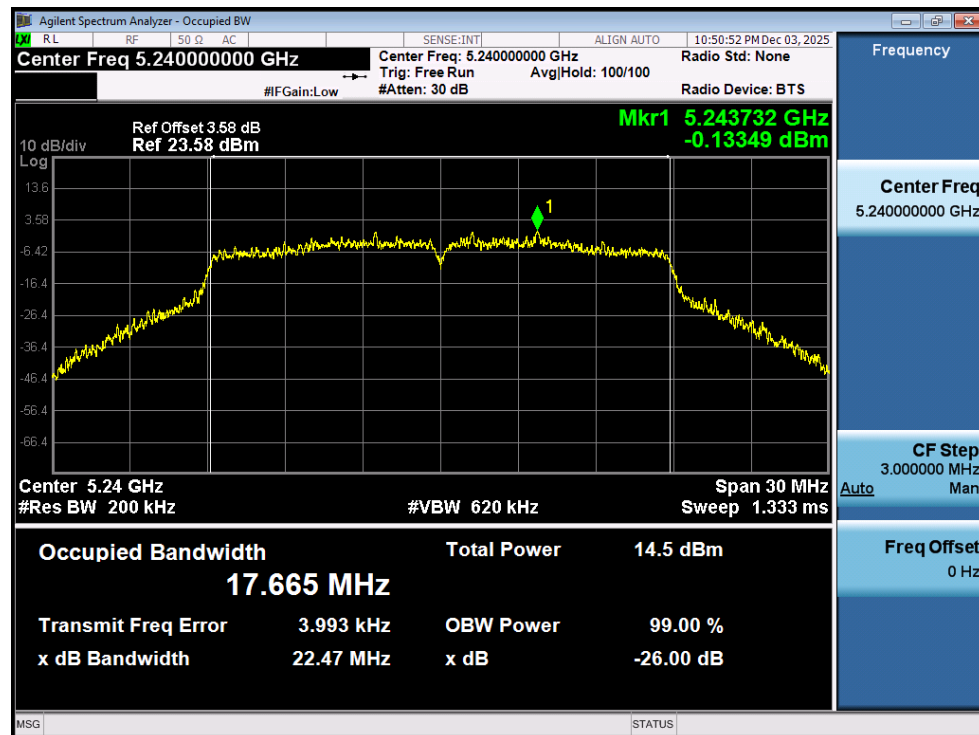
## -26dB Bandwidth NVNT ac20 5180MHz Ant A



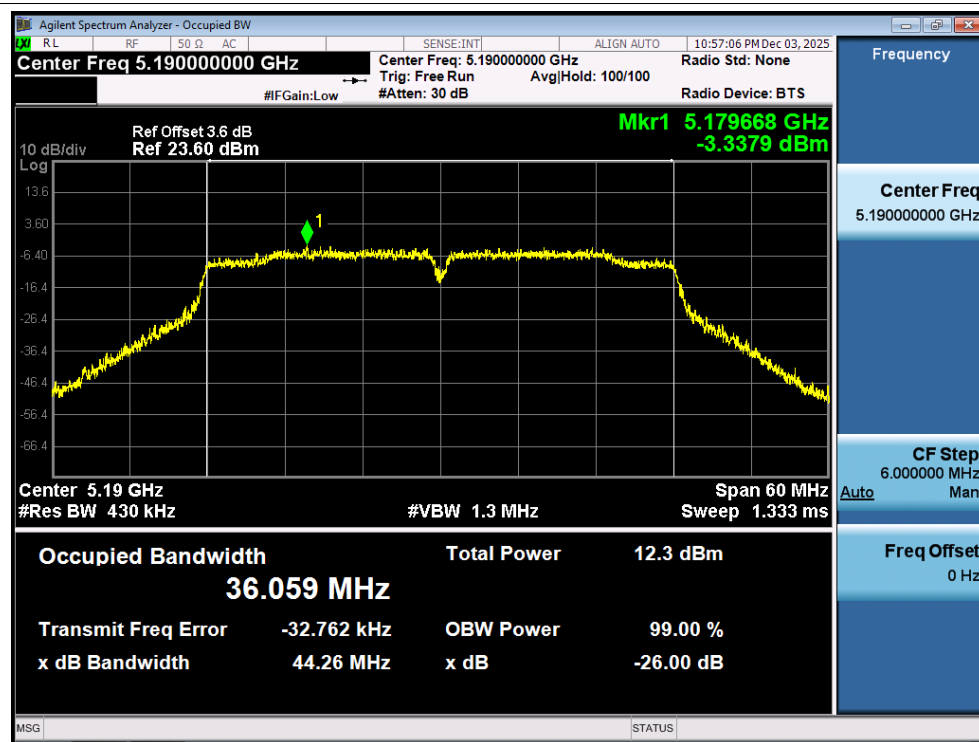
## -26dB Bandwidth NVNT ac20 5200MHz Ant A



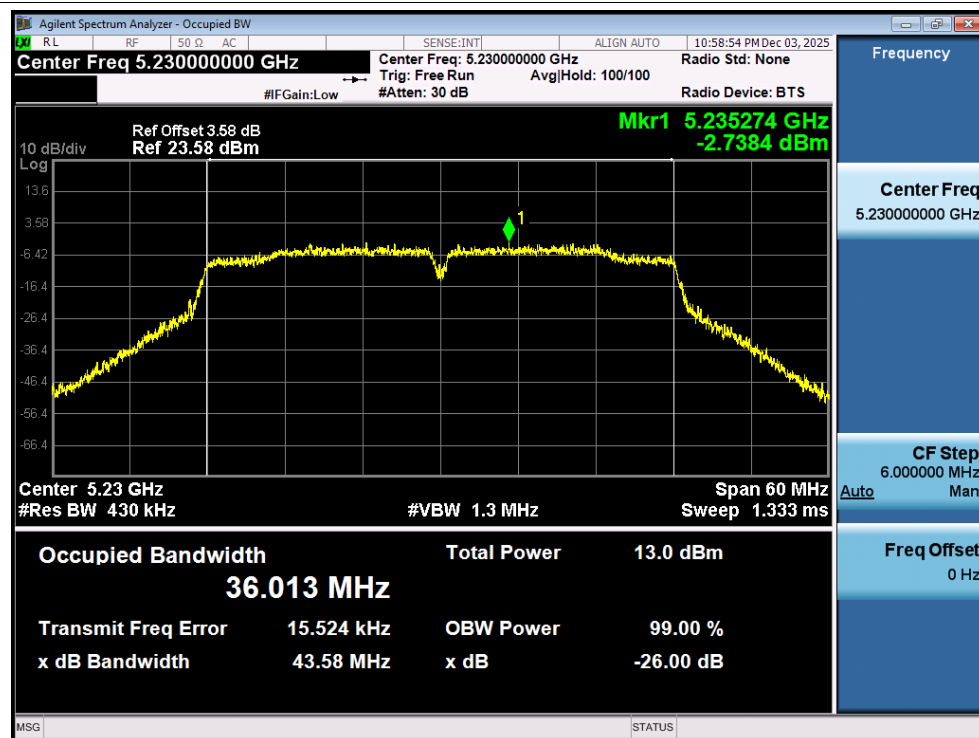
## -26dB Bandwidth NVNT ac20 5240MHz Ant A



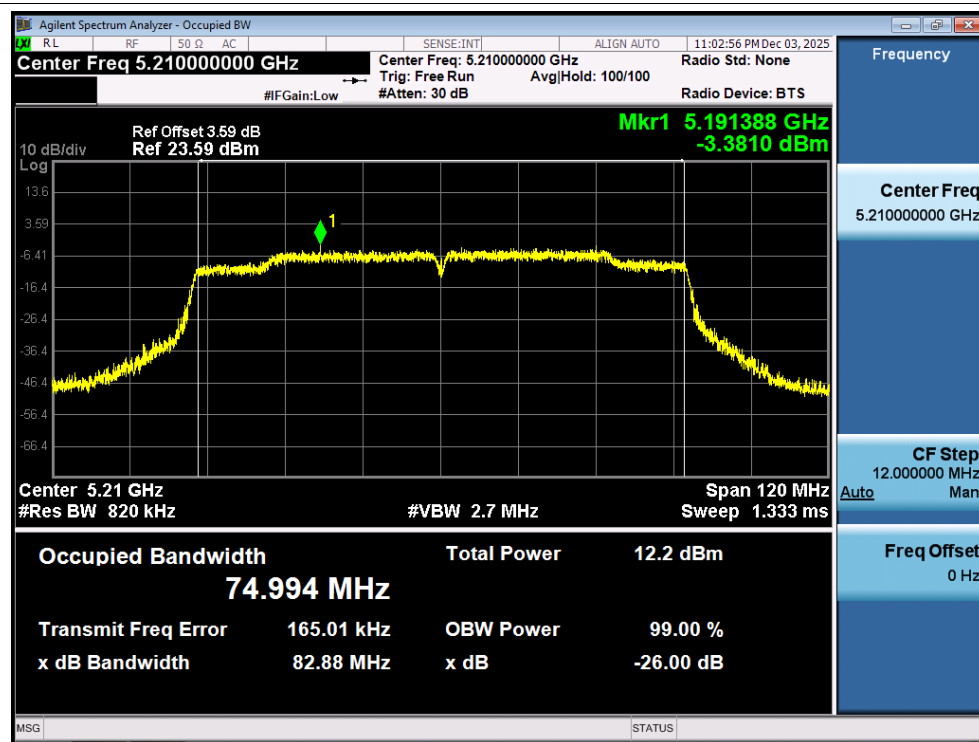
## -26dB Bandwidth NVNT ac40 5190MHz Ant A



## -26dB Bandwidth NVNT ac40 5230MHz Ant A



## -26dB Bandwidth NVNT ac80 5210MHz Ant A

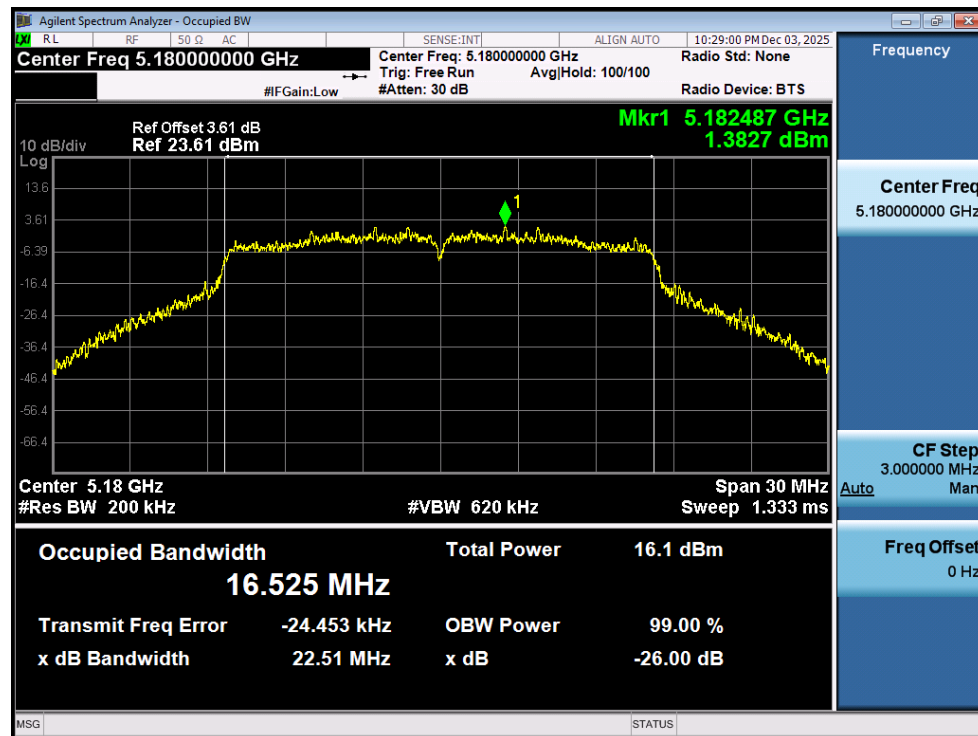


## Occupied Channel Bandwidth

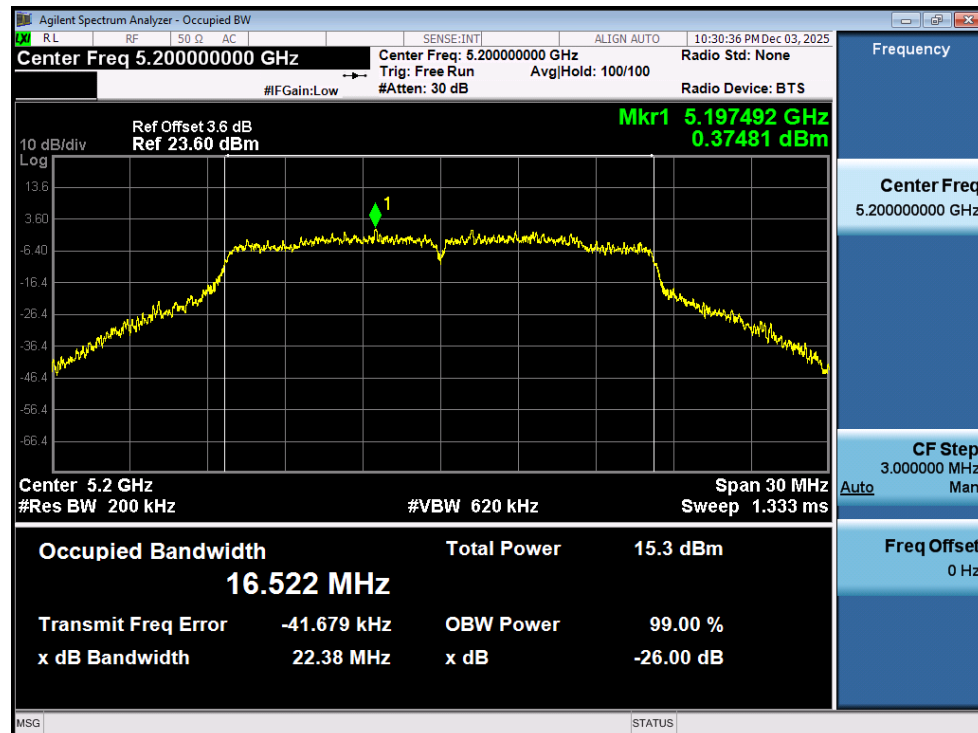
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5180            | Ant A   | 16.525        |
|           |      | 5200            |         | 16.522        |
|           |      | 5240            |         | 16.465        |
|           | n20  | 5180            |         | 17.621        |
|           |      | 5200            |         | 17.65         |
|           |      | 5240            |         | 17.654        |
|           | n40  | 5190            |         | 36.094        |
|           |      | 5230            |         | 36.038        |
|           | ac20 | 5180            |         | 17.648        |
|           |      | 5200            |         | 17.659        |
|           |      | 5240            |         | 17.641        |
|           | ac40 | 5190            |         | 36.071        |
|           |      | 5230            |         | 36.085        |
|           | ac80 | 5210            |         | 75.043        |

## Test Graphs

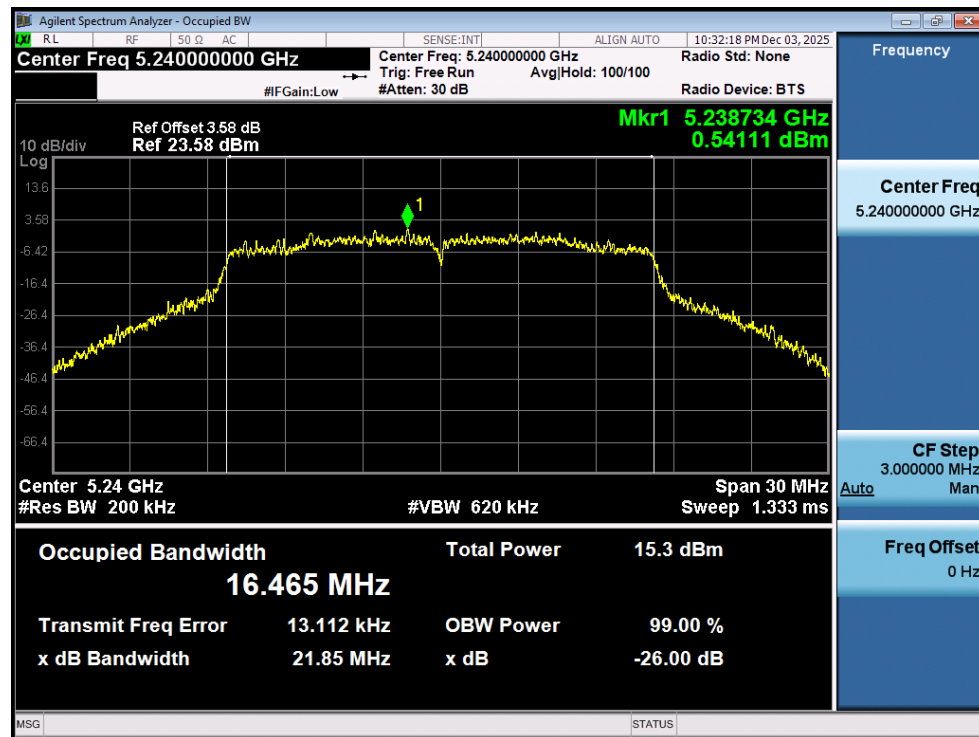
OBW NVNT a 5180MHz Ant A



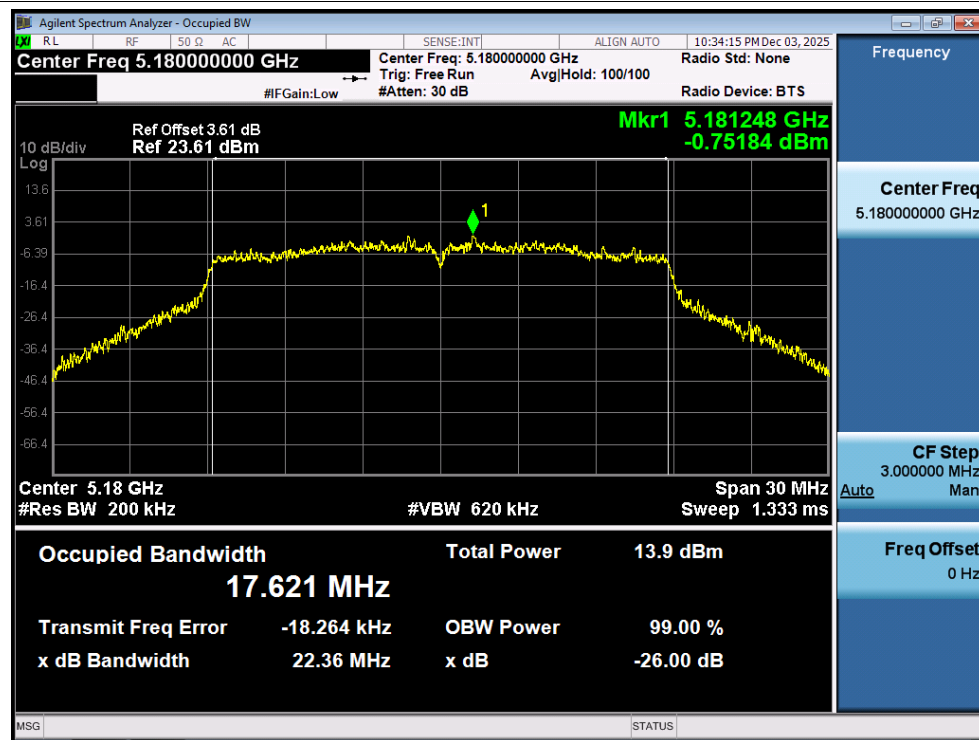
OBW NVNT a 5200MHz Ant A



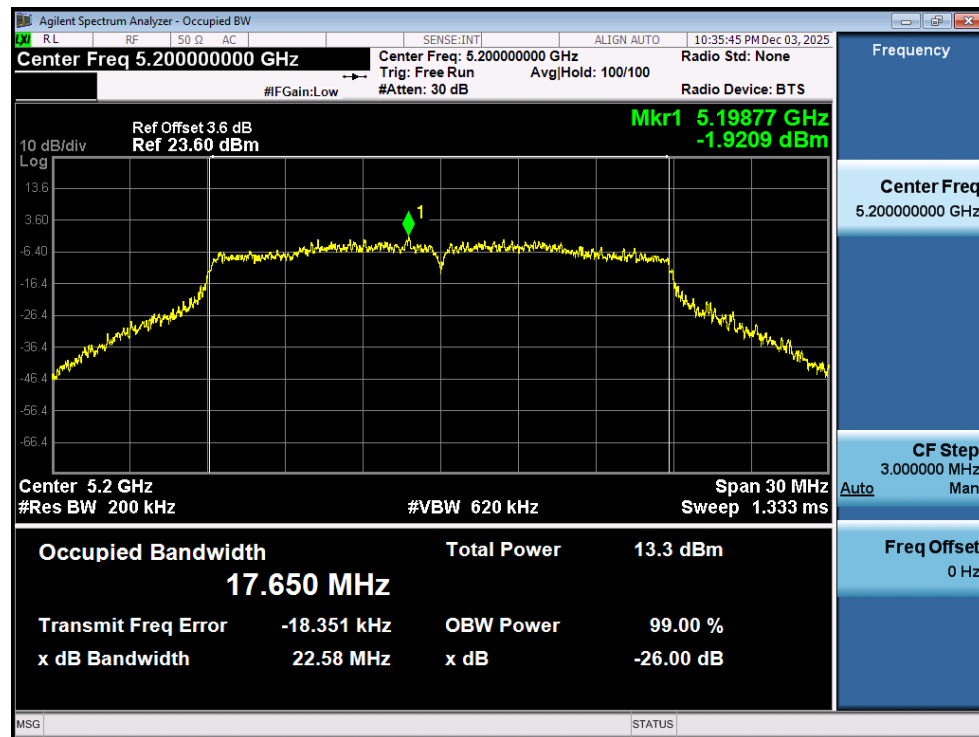
OBW NVNT a 5240MHz Ant A



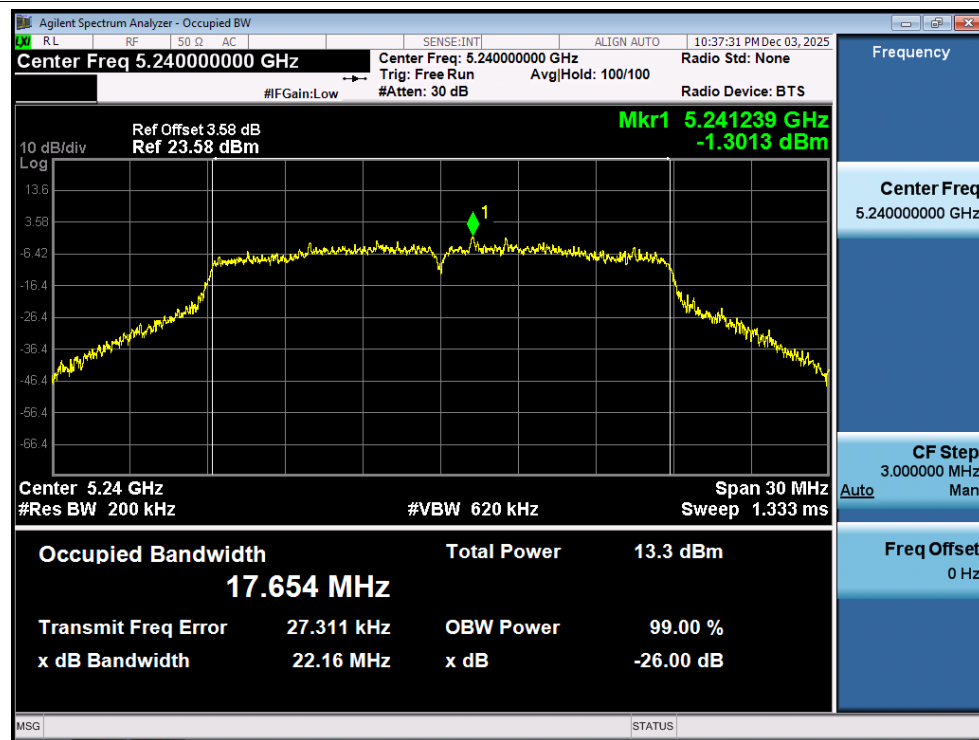
OBW NVNT n20 5180MHz Ant A



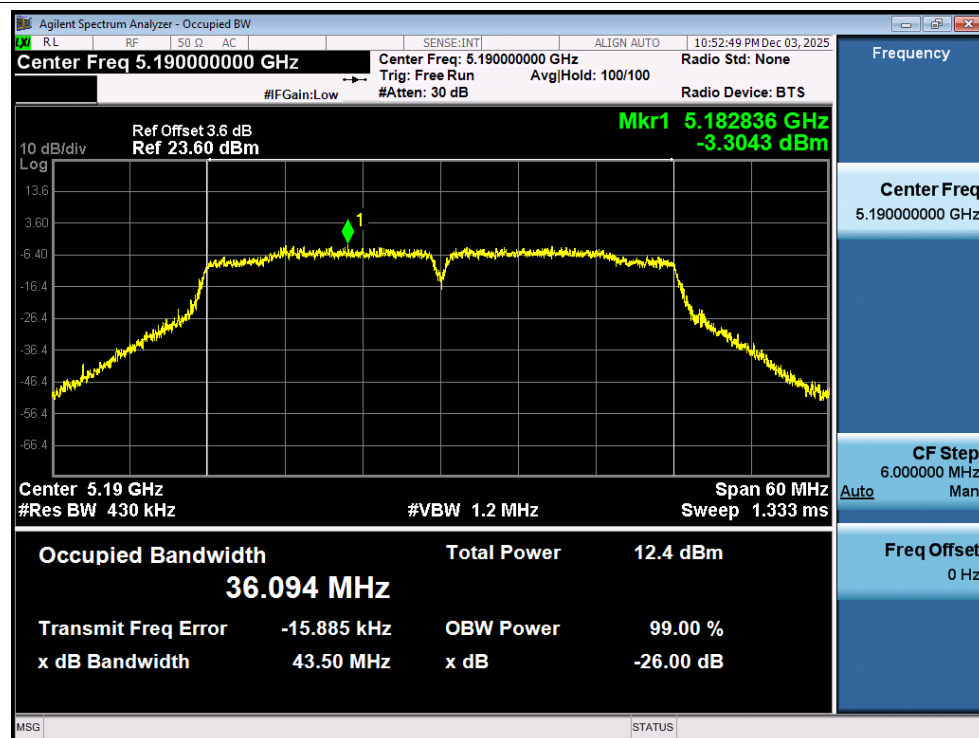
OBW NVNT n20 5200MHz Ant A



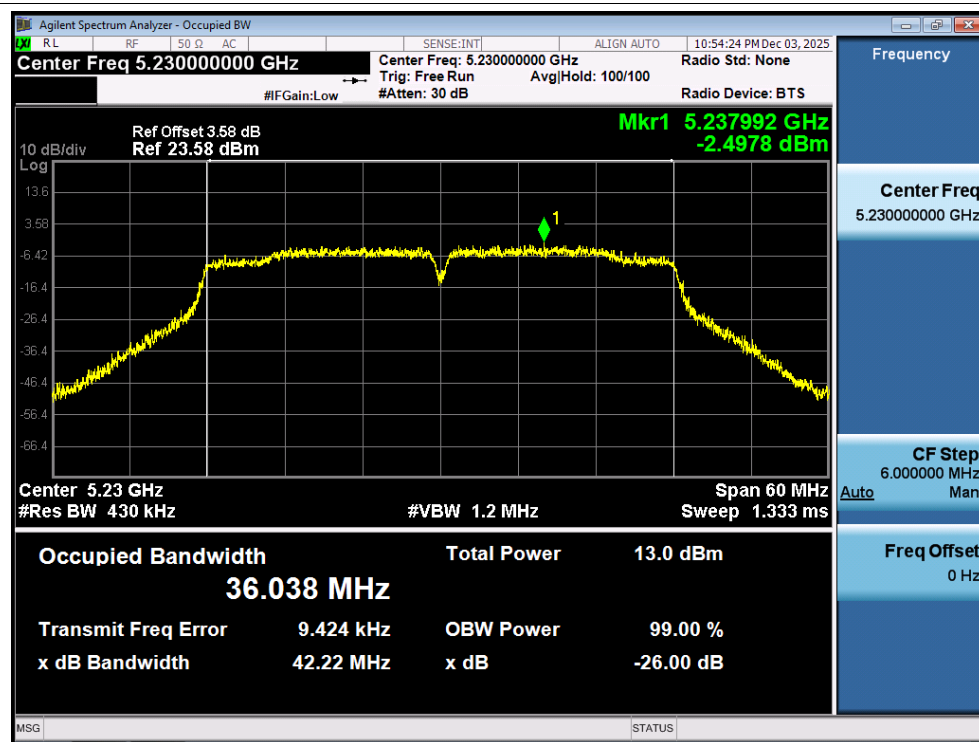
OBW NVNT n20 5240MHz Ant A



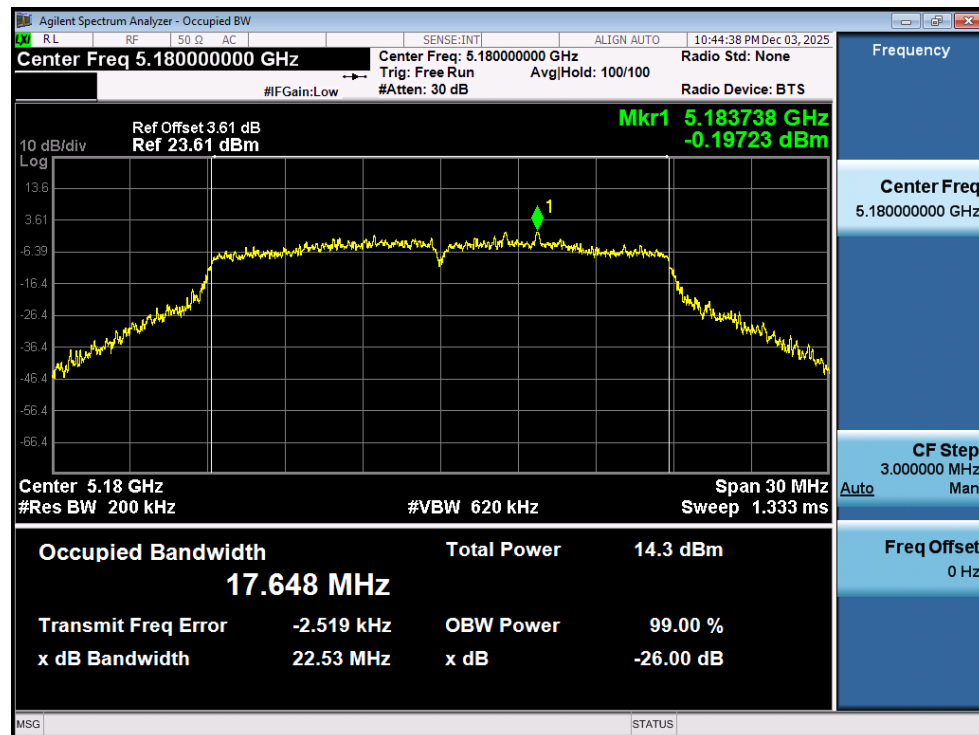
OBW NVNT n40 5190MHz Ant A



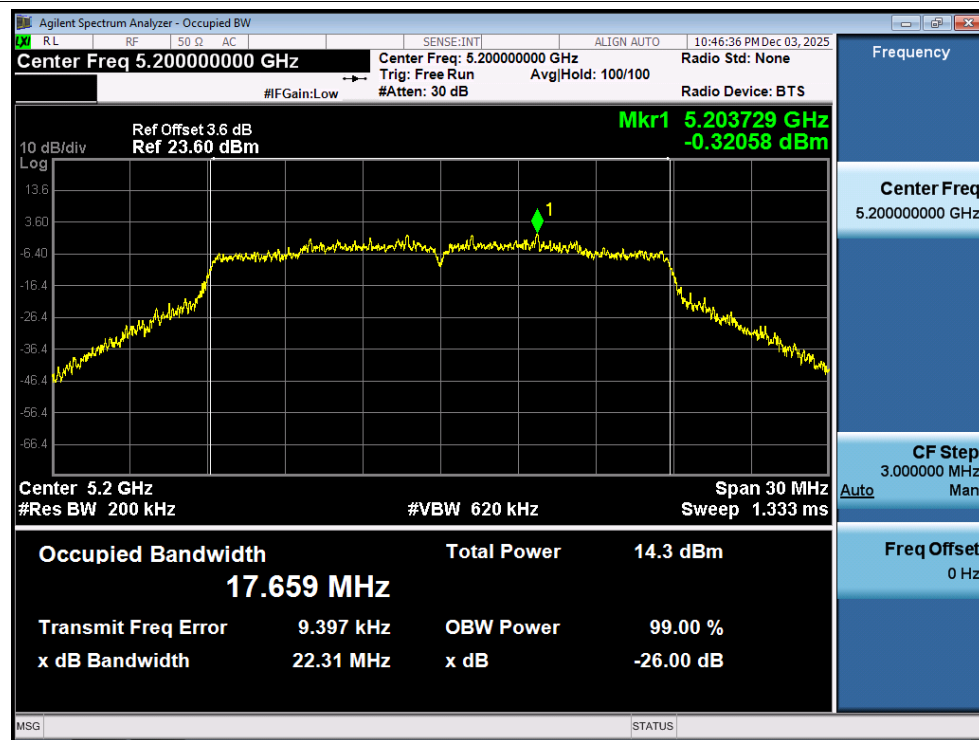
OBW NVNT n40 5230MHz Ant A



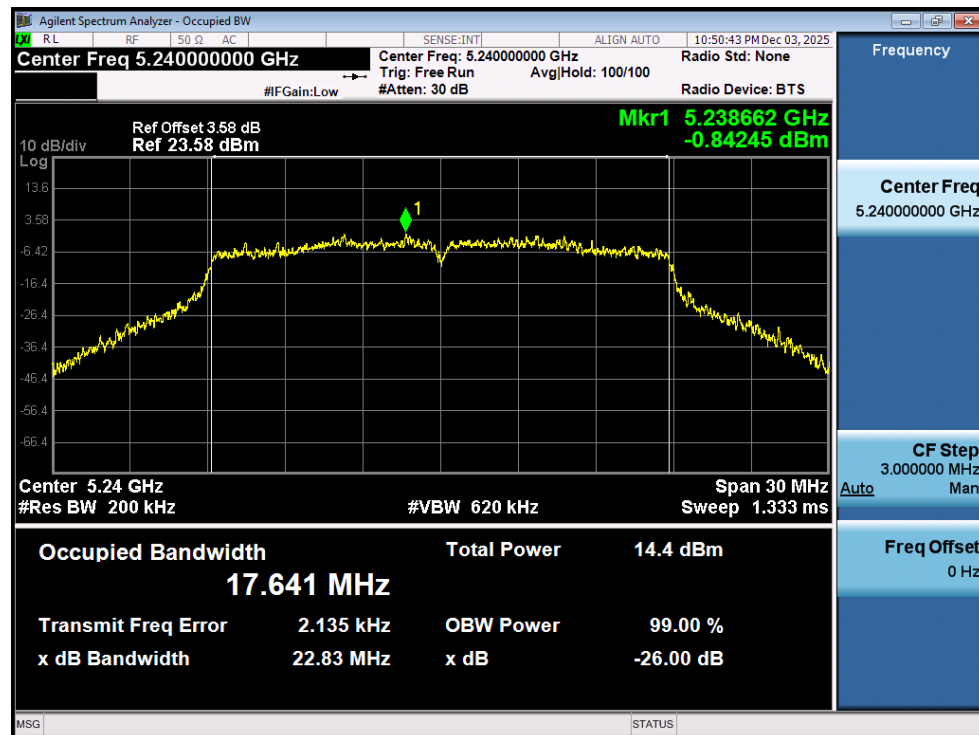
## OBW NVNT ac20 5180MHz Ant A



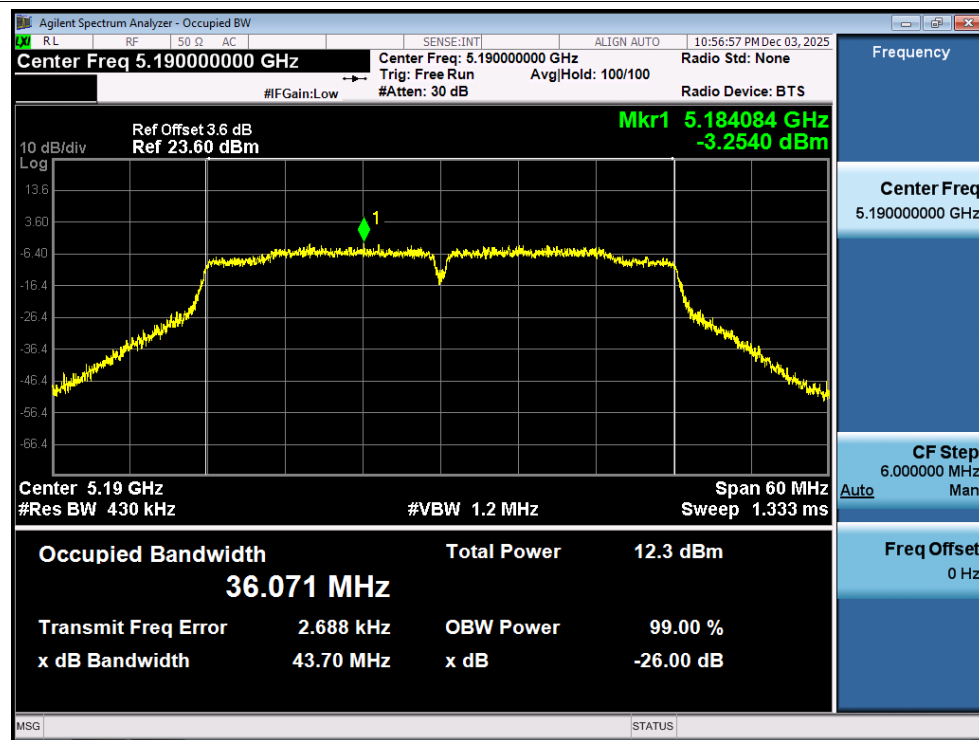
## OBW NVNT ac20 5200MHz Ant A



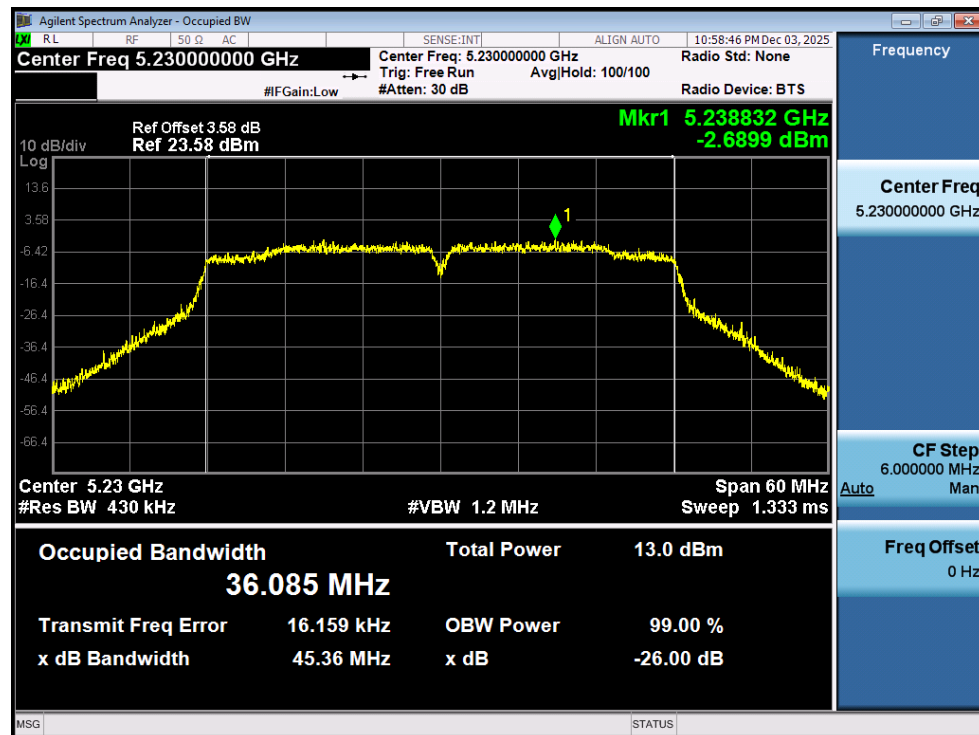
## OBW NVNT ac20 5240MHz Ant A



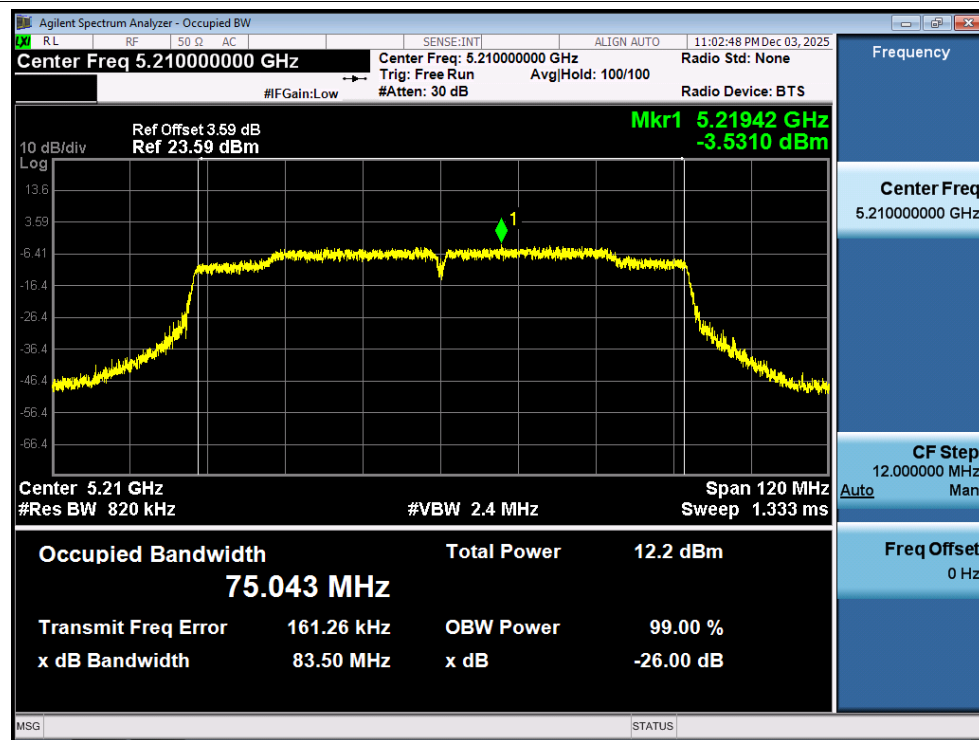
## OBW NVNT ac40 5190MHz Ant A



## OBW NVNT ac40 5230MHz Ant A



## OBW NVNT ac80 5210MHz Ant A



## Maximum Power Spectral Density Level

| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted PSD<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|------------------------|----------------|---------|
| NVNT      | a    | 5180               | Ant A   | 0.31                   | 11             | Pass    |
| NVNT      | a    | 5200               | Ant A   | -0.34                  | 11             | Pass    |
| NVNT      | a    | 5240               | Ant A   | 0.13                   | 11             | Pass    |
| NVNT      | n20  | 5180               | Ant A   | -1.92                  | 11             | Pass    |
| NVNT      | n20  | 5200               | Ant A   | -2.69                  | 11             | Pass    |
| NVNT      | n20  | 5240               | Ant A   | -2.52                  | 11             | Pass    |
| NVNT      | n40  | 5190               | Ant A   | -6.64                  | 11             | Pass    |
| NVNT      | n40  | 5230               | Ant A   | -6.17                  | 11             | Pass    |
| NVNT      | ac20 | 5180               | Ant A   | -1.43                  | 11             | Pass    |
| NVNT      | ac20 | 5200               | Ant A   | -1.48                  | 11             | Pass    |
| NVNT      | ac20 | 5240               | Ant A   | -1.53                  | 11             | Pass    |
| NVNT      | ac40 | 5190               | Ant A   | -7.01                  | 11             | Pass    |
| NVNT      | ac40 | 5230               | Ant A   | -6.11                  | 11             | Pass    |
| NVNT      | ac80 | 5210               | Ant A   | -10.53                 | 11             | Pass    |

This product does not support MIMO mode and is a single-transmit-single-receive type.

## Test Graphs

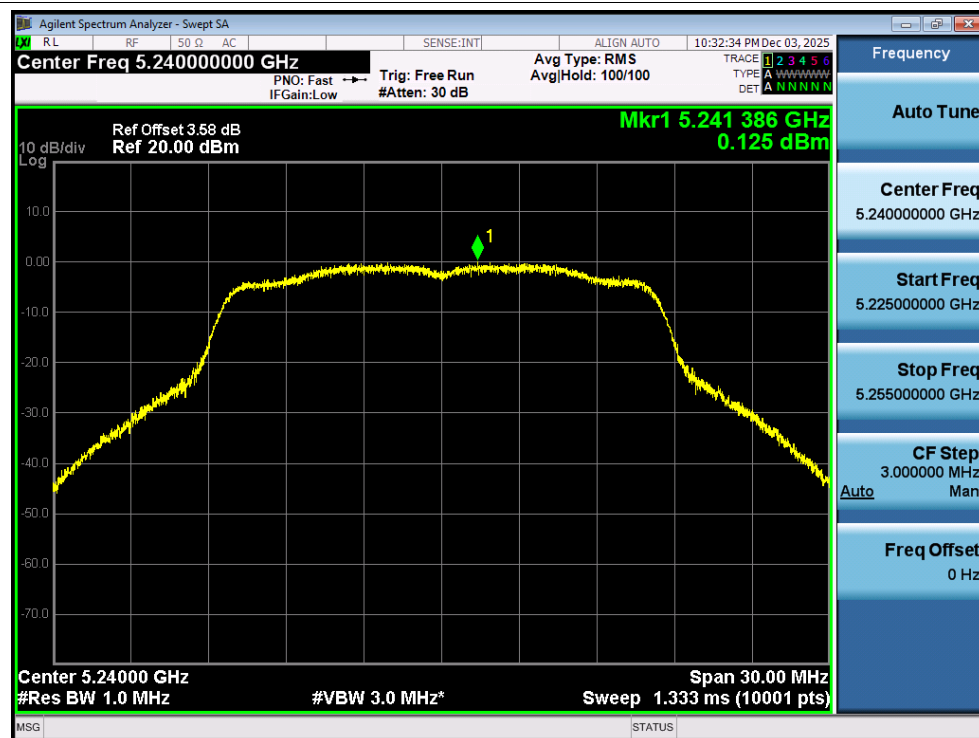
PSD NVNT a 5180MHz Ant A



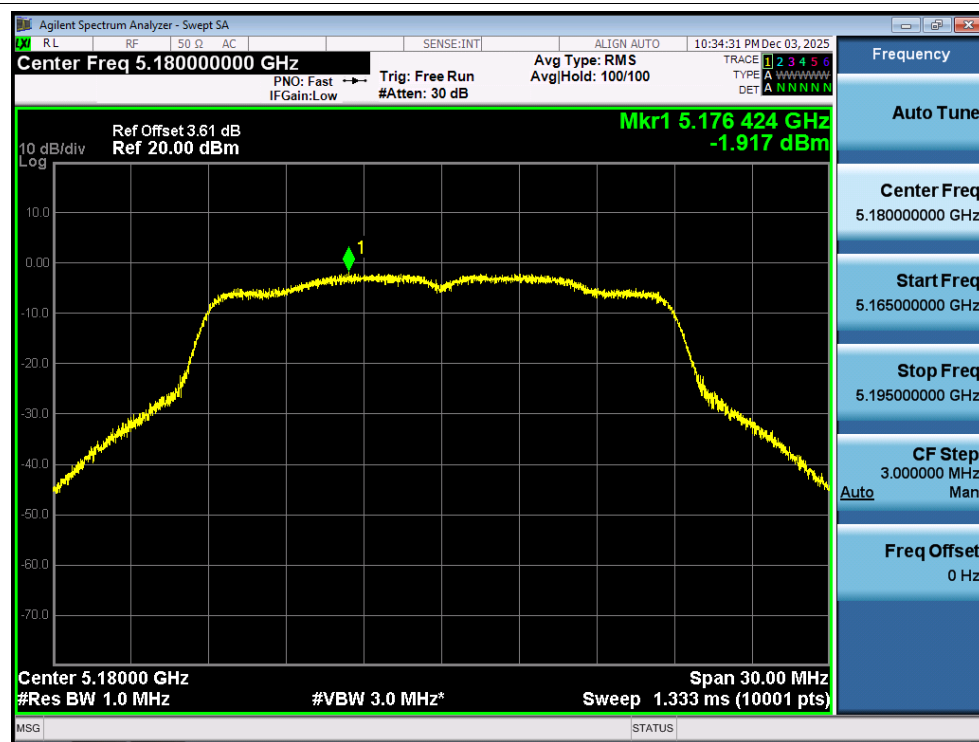
PSD NVNT a 5200MHz Ant A



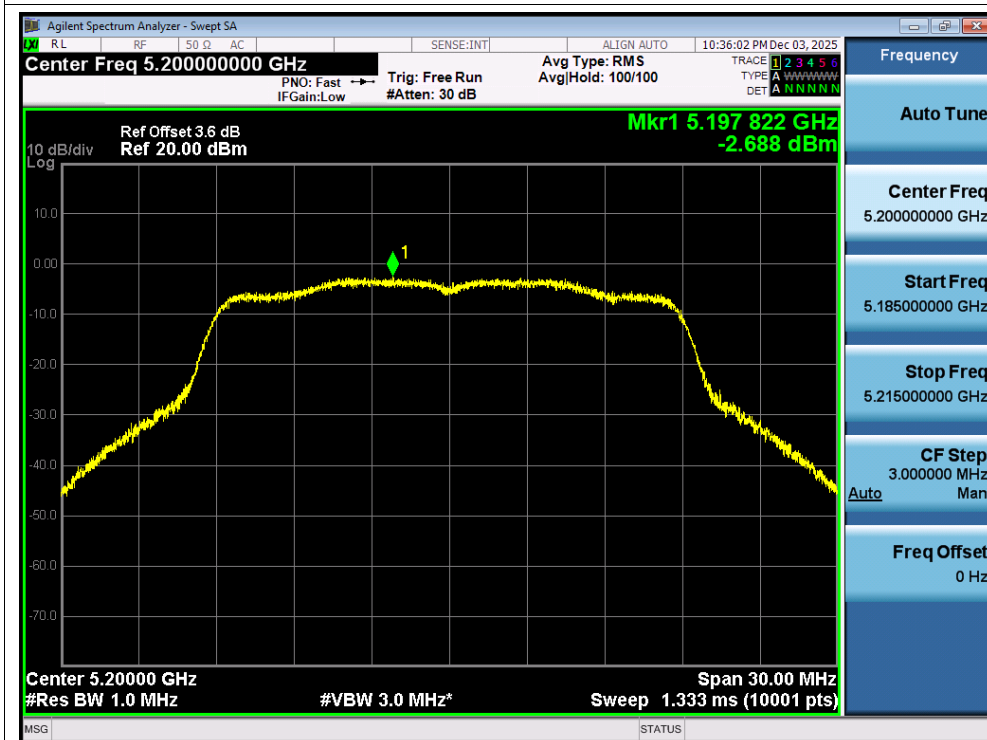
PSD NVNT a 5240MHz Ant A



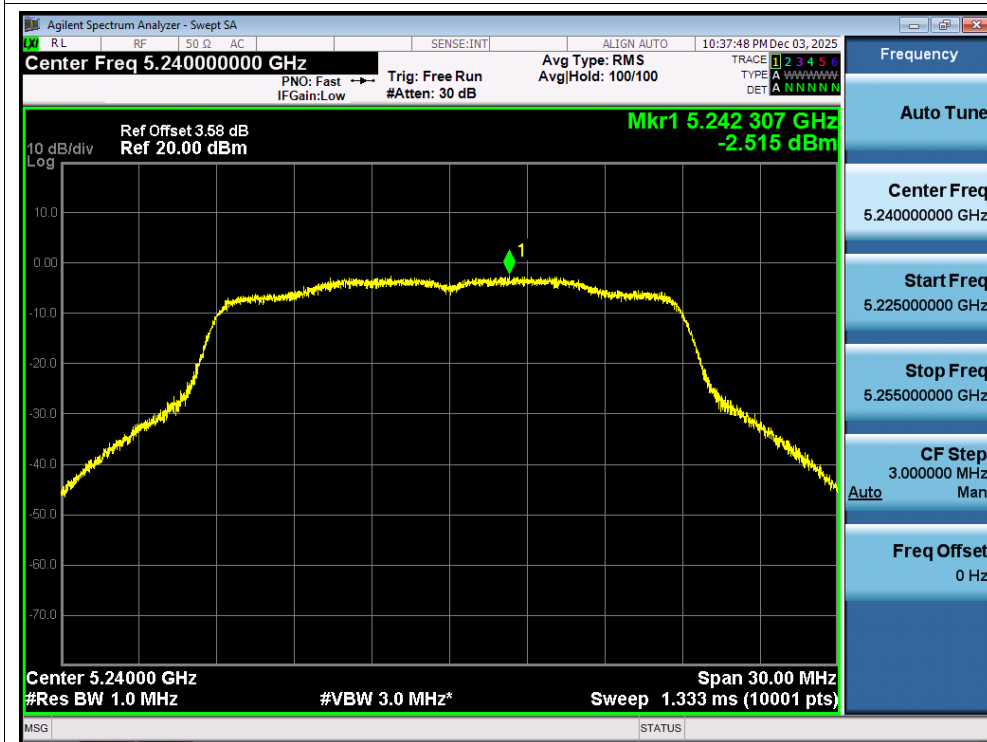
PSD NVNT n20 5180MHz Ant A



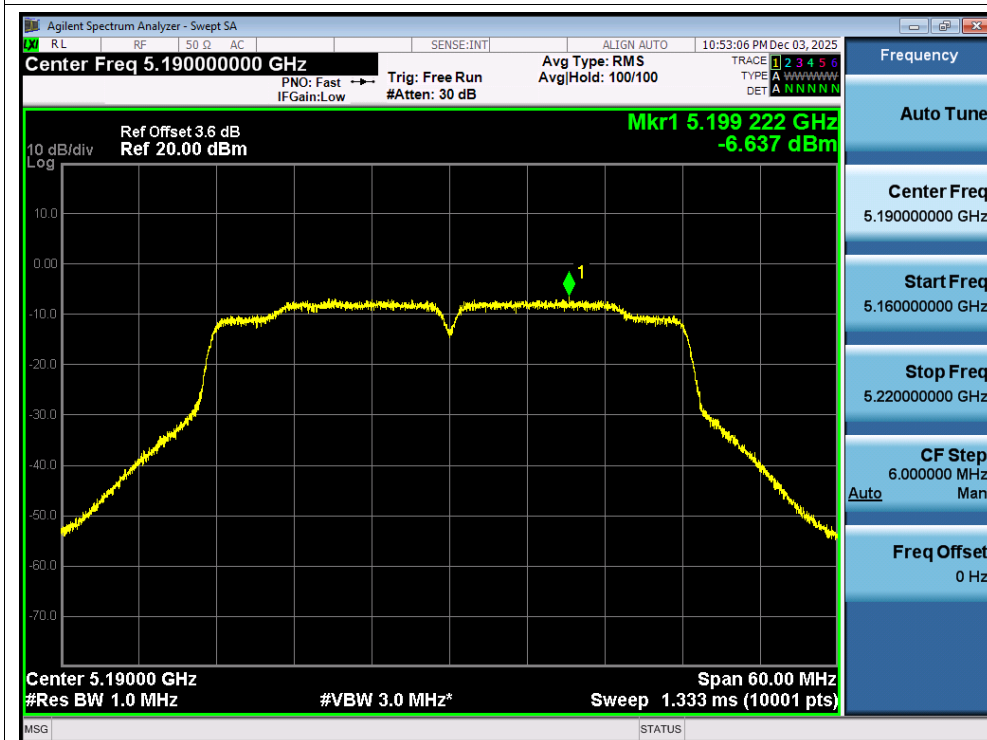
PSD NVNT n20 5200MHz Ant A



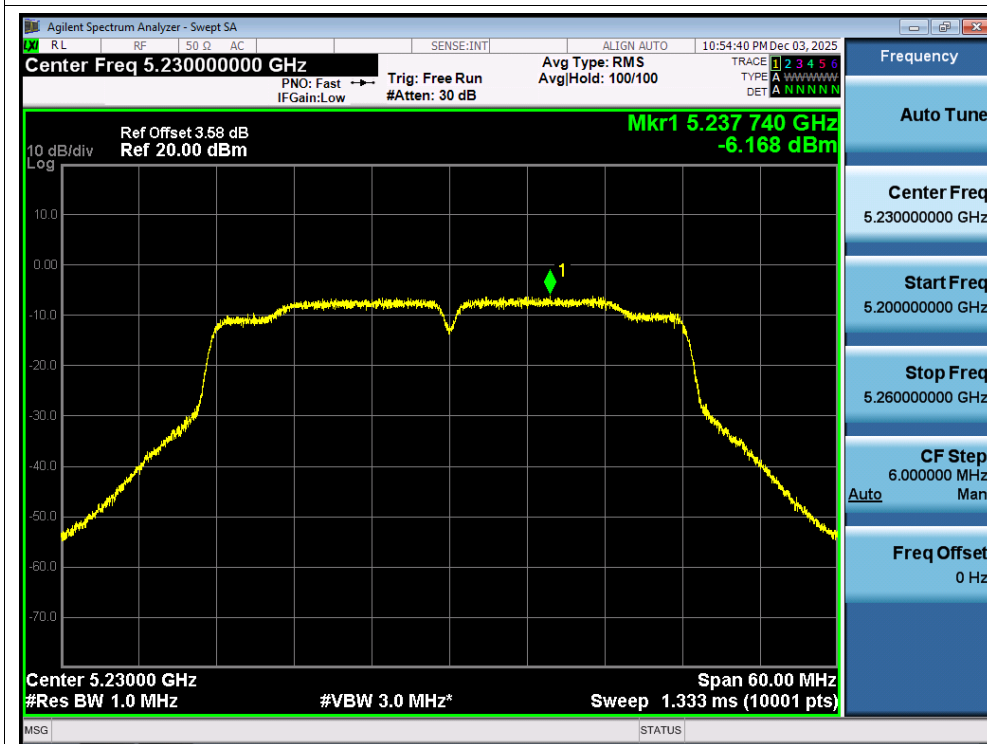
PSD NVNT n20 5240MHz Ant A



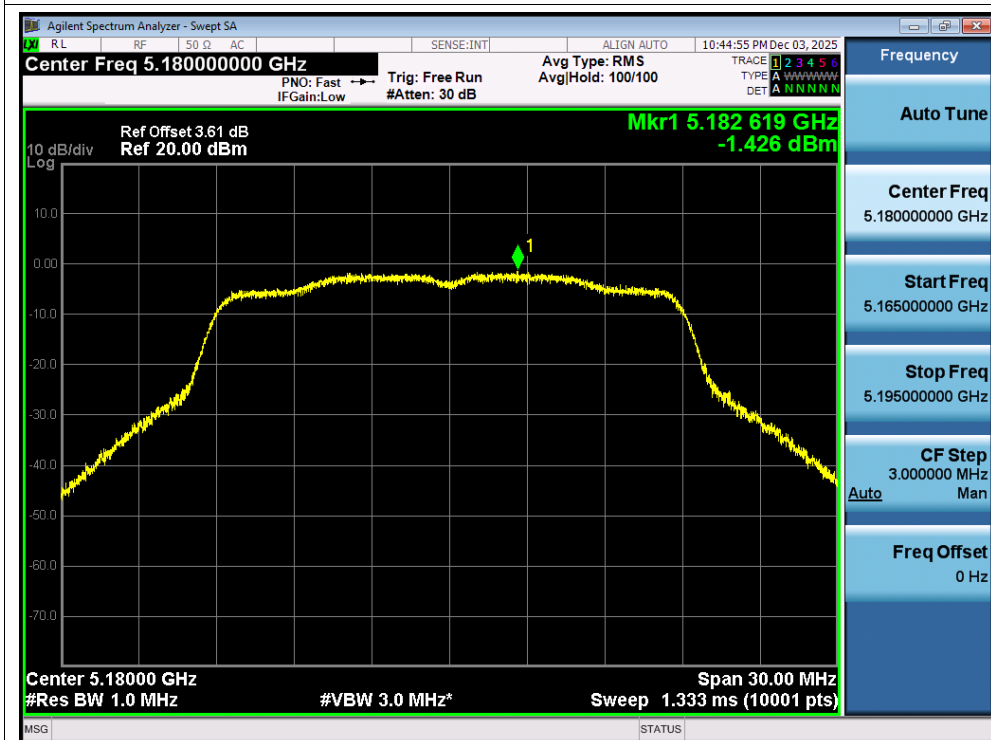
PSD NVNT n40 5190MHz Ant A



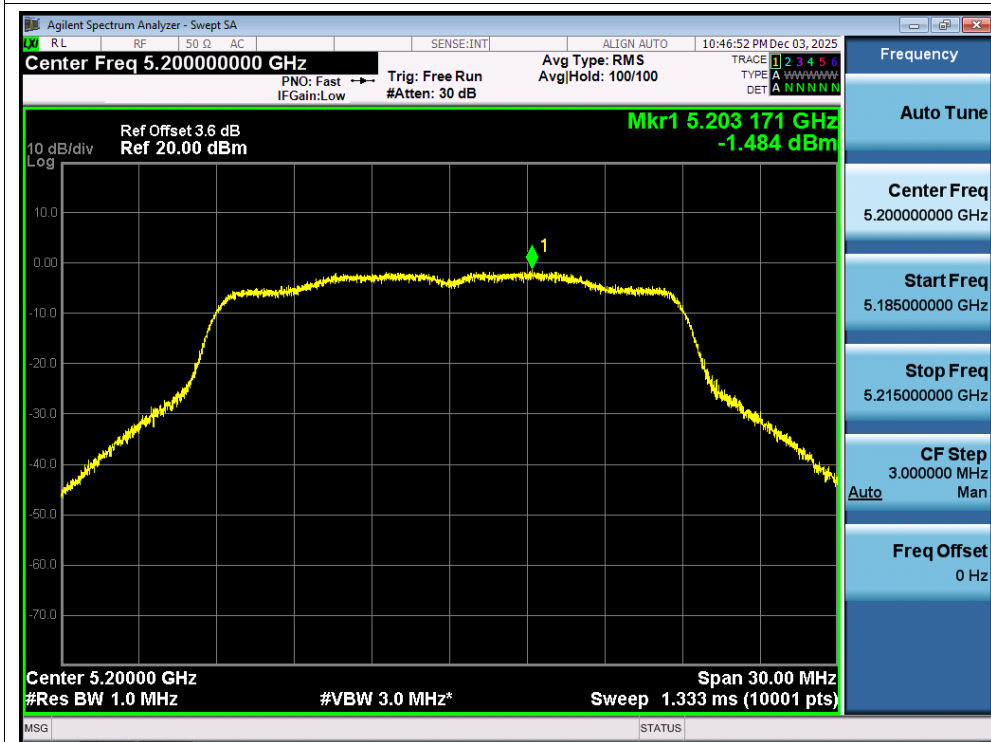
PSD NVNT n40 5230MHz Ant A



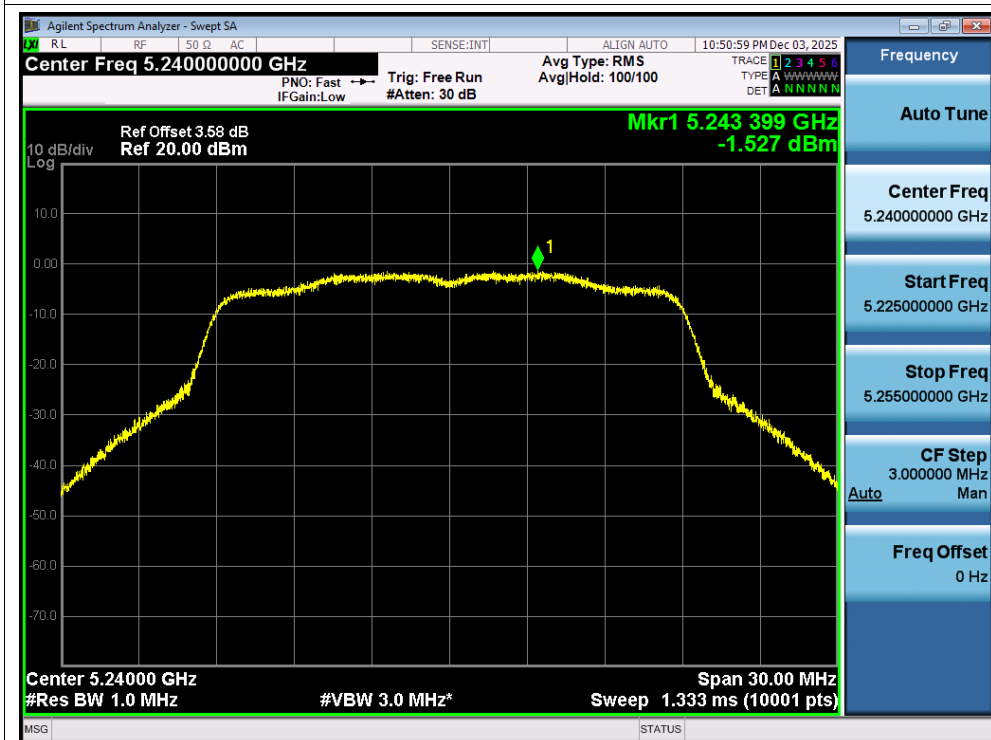
PSD NVNT ac20 5180MHz Ant A



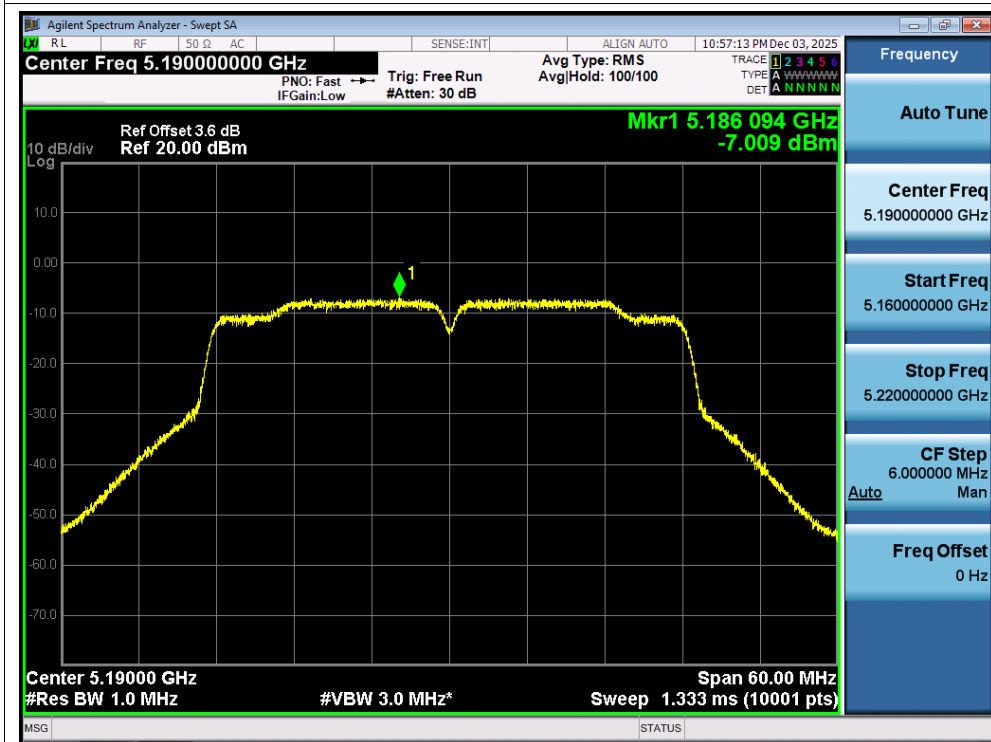
PSD NVNT ac20 5200MHz Ant A



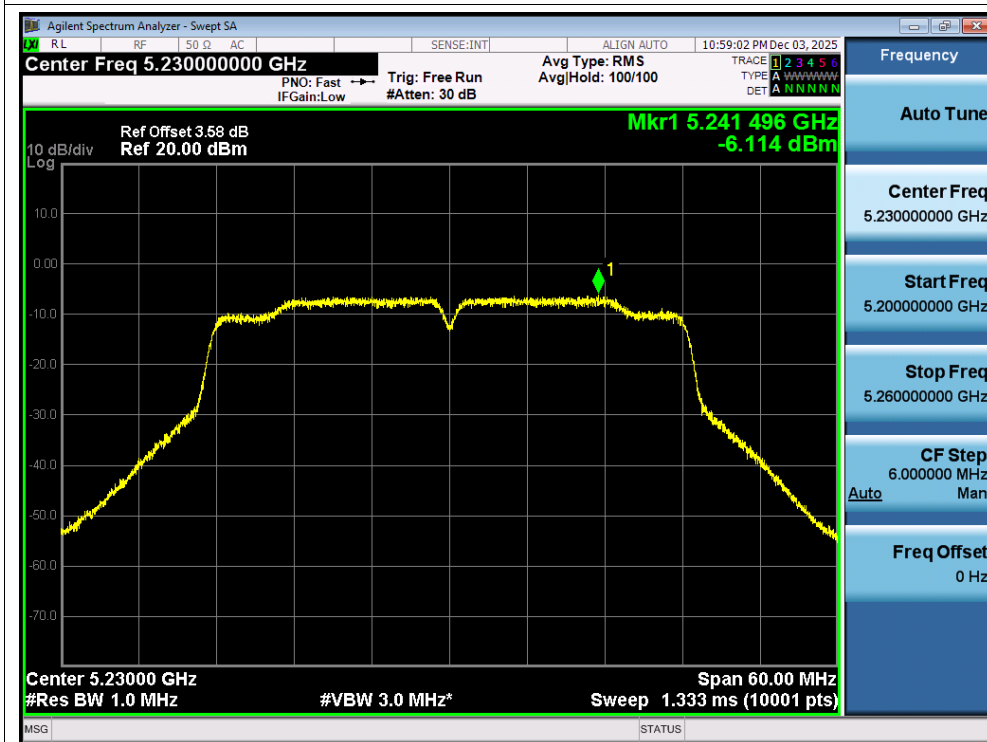
PSD NVNT ac20 5240MHz Ant A



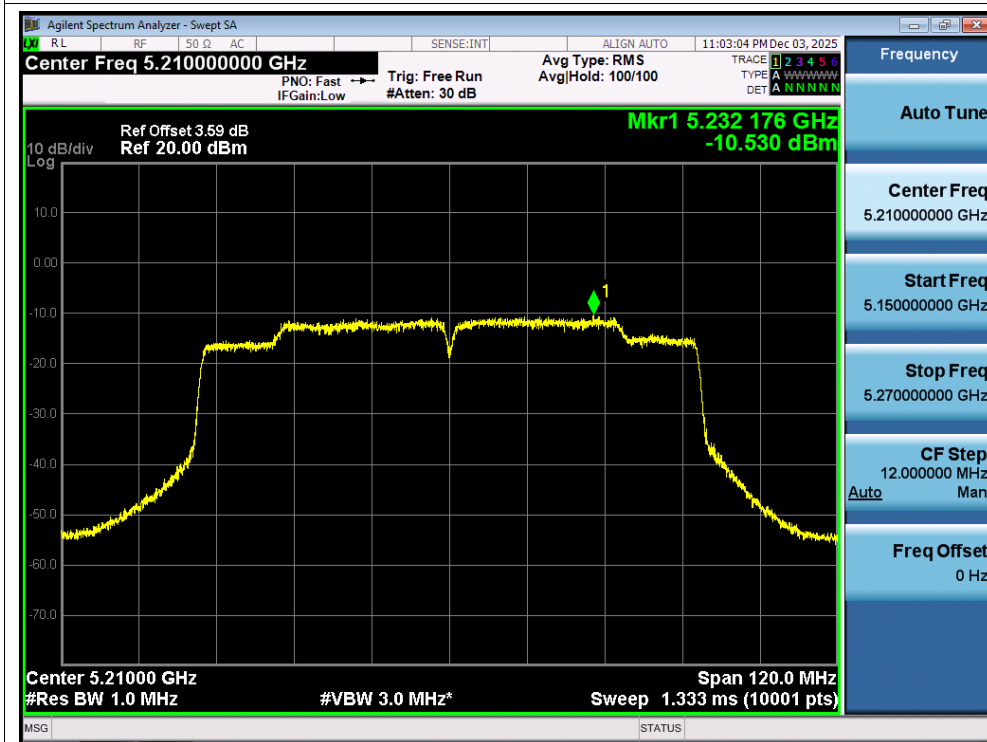
PSD NVNT ac40 5190MHz Ant A



PSD NVNT ac40 5230MHz Ant A



PSD NVNT ac80 5210MHz Ant A

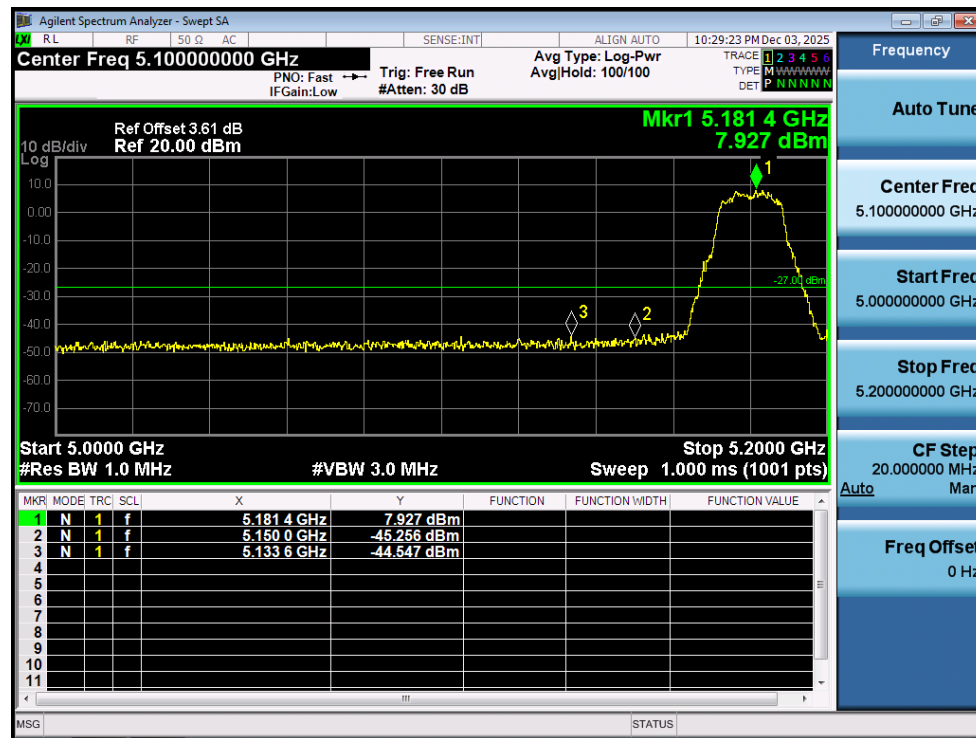


## Band Edge

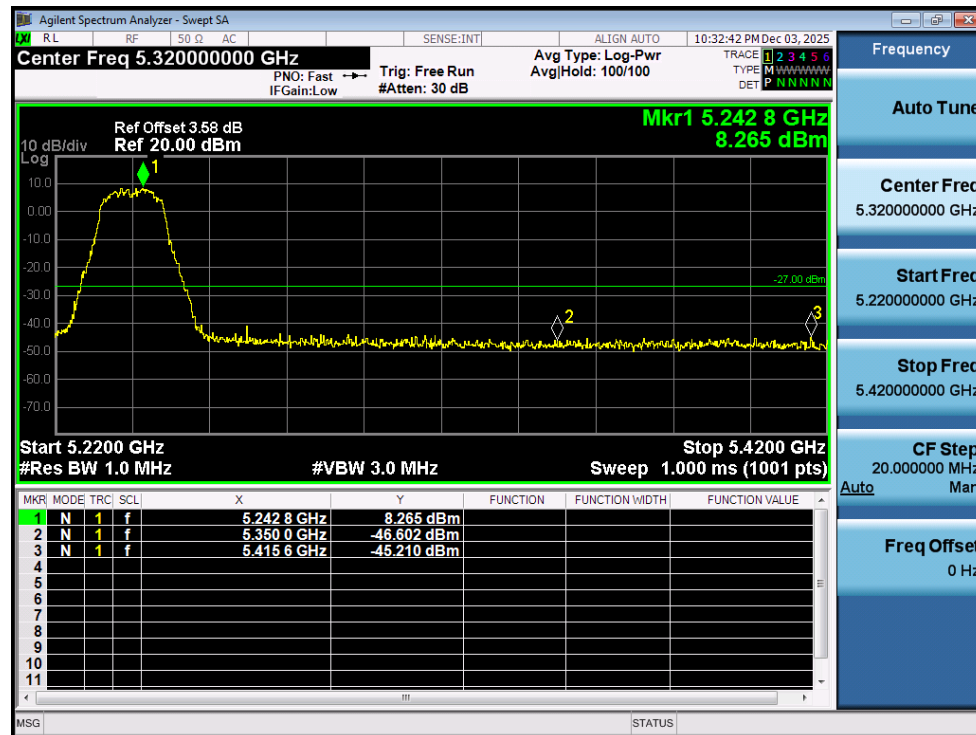
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a    | 5180            | Ant A   | -44.54          | -27         | Pass    |
|           |      | 5240            |         | -45.21          | -27         | Pass    |
|           | n20  | 5180            |         | -44.61          | -27         | Pass    |
|           |      | 5240            |         | -44.64          | -27         | Pass    |
|           | n40  | 5190            |         | -42.35          | -27         | Pass    |
|           |      | 5230            |         | -46.14          | -27         | Pass    |
|           | ac20 | 5180            |         | -44.11          | -27         | Pass    |
|           |      | 5240            |         | -43.62          | -27         | Pass    |
|           | ac40 | 5190            |         | -42.57          | -27         | Pass    |
|           |      | 5230            |         | -44.72          | -27         | Pass    |
|           | ac80 | 5210            |         | -43.83          | -27         | Pass    |
|           |      |                 |         | -44.2           | -27         | Pass    |

## Test Graphs

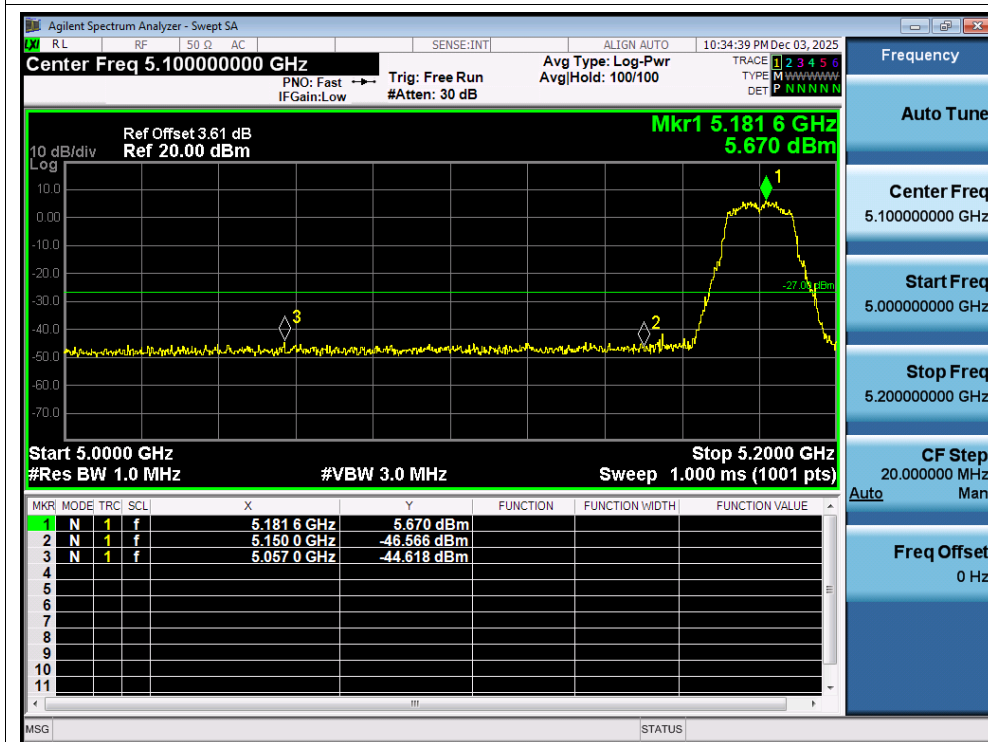
Band Edge NVNT a 5180MHz Low Ant A



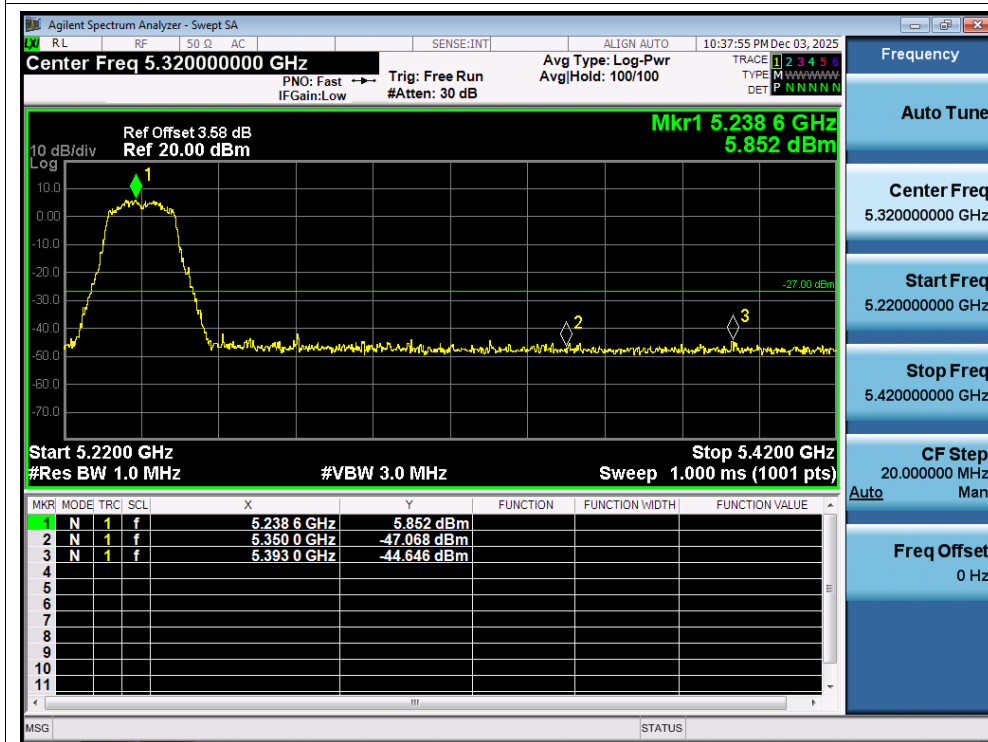
Band Edge NVNT a 5240MHz High Ant A



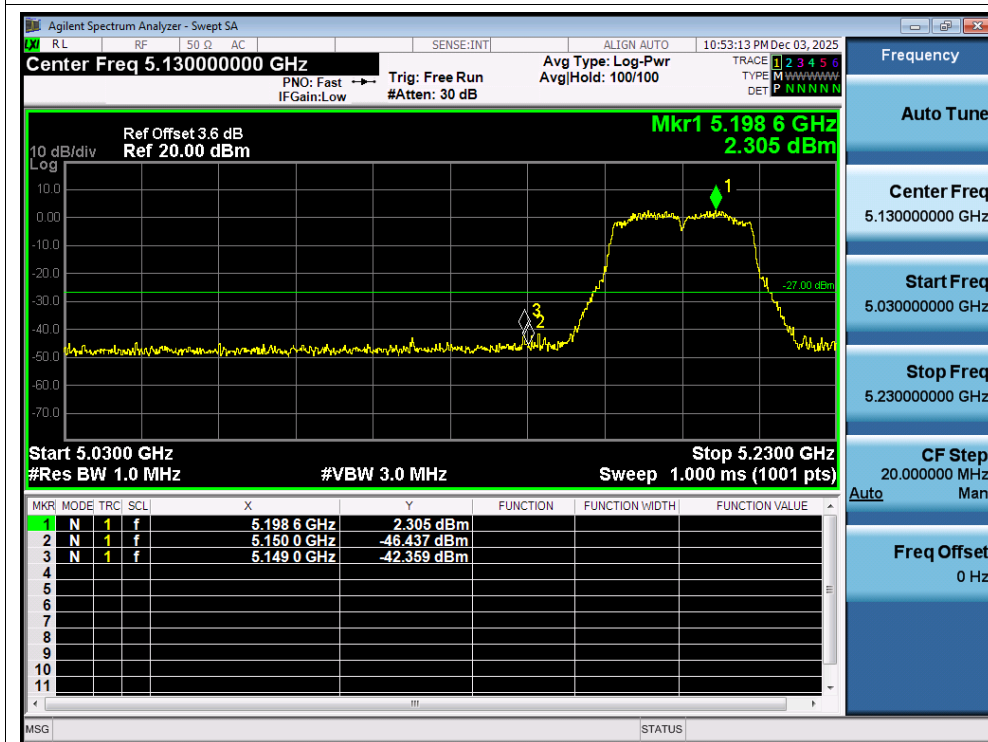
Band Edge NVNT n20 5180MHz Low Ant A



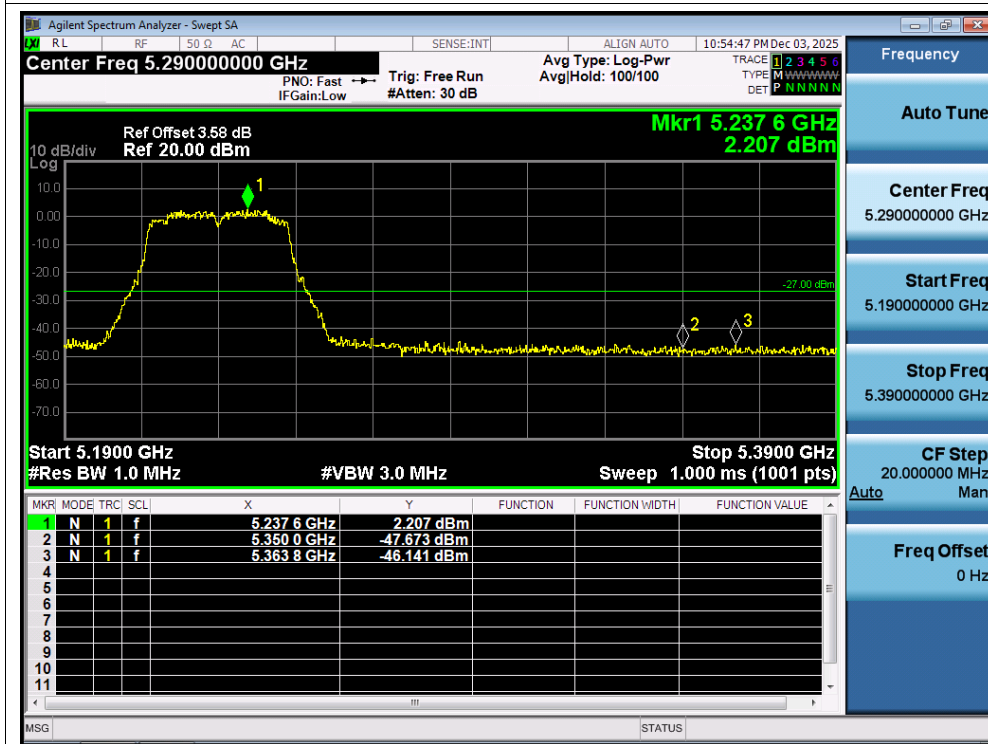
Band Edge NVNT n20 5240MHz High Ant A



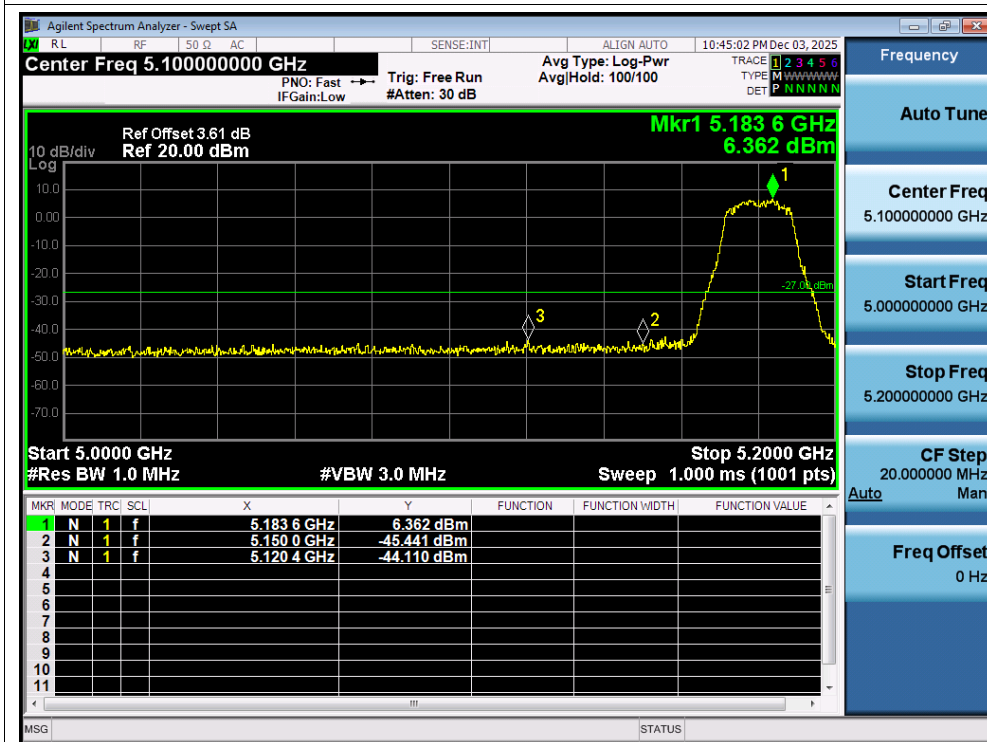
Band Edge NVNT n40 5190MHz Low Ant A



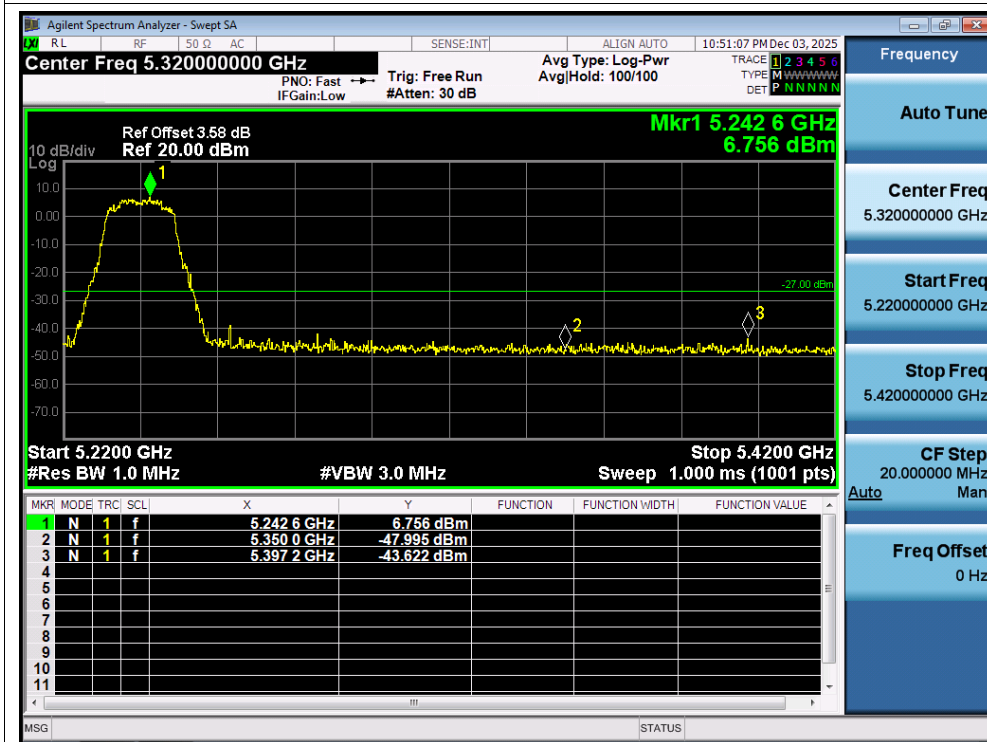
Band Edge NVNT n40 5230MHz High Ant A



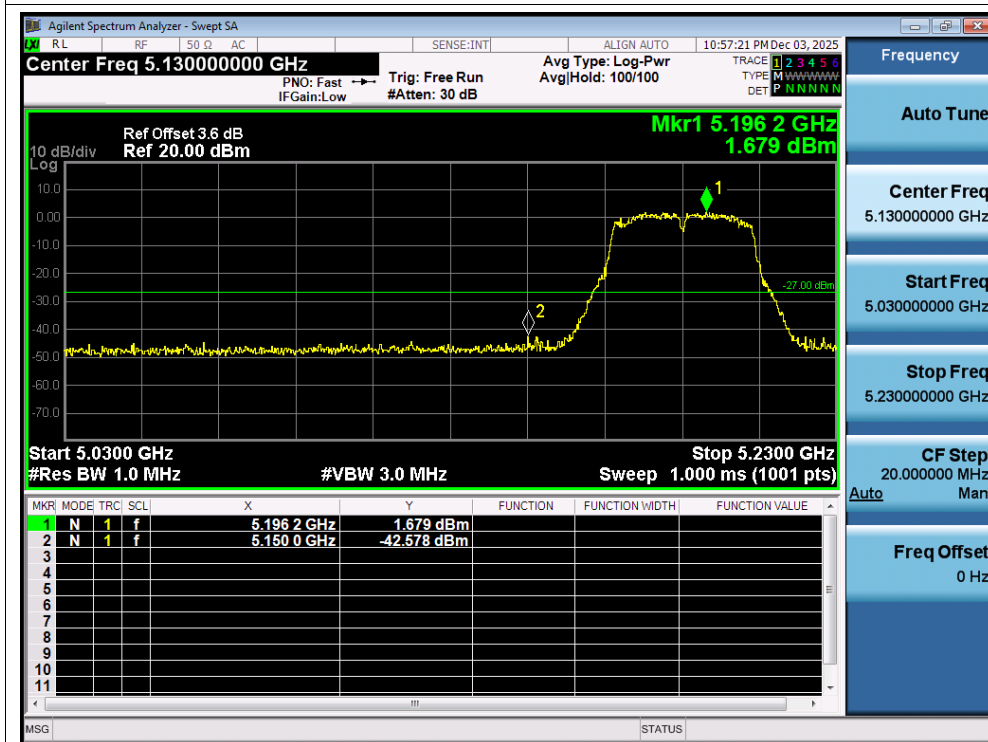
Band Edge NVNT ac20 5180MHz Low Ant A



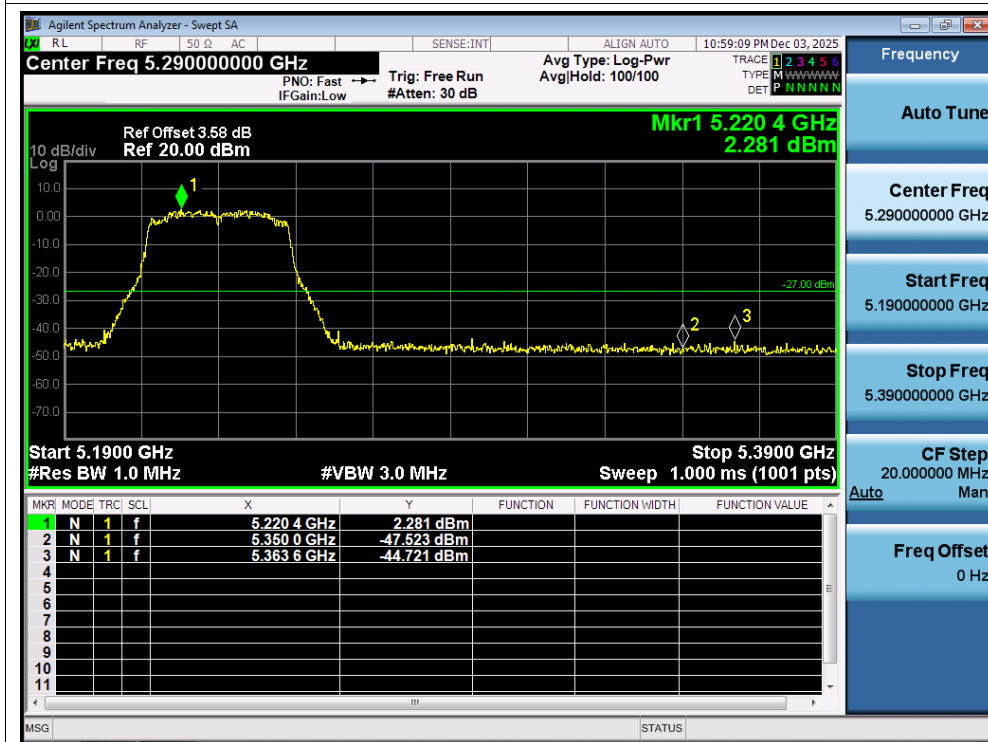
Band Edge NVNT ac20 5240MHz High Ant A



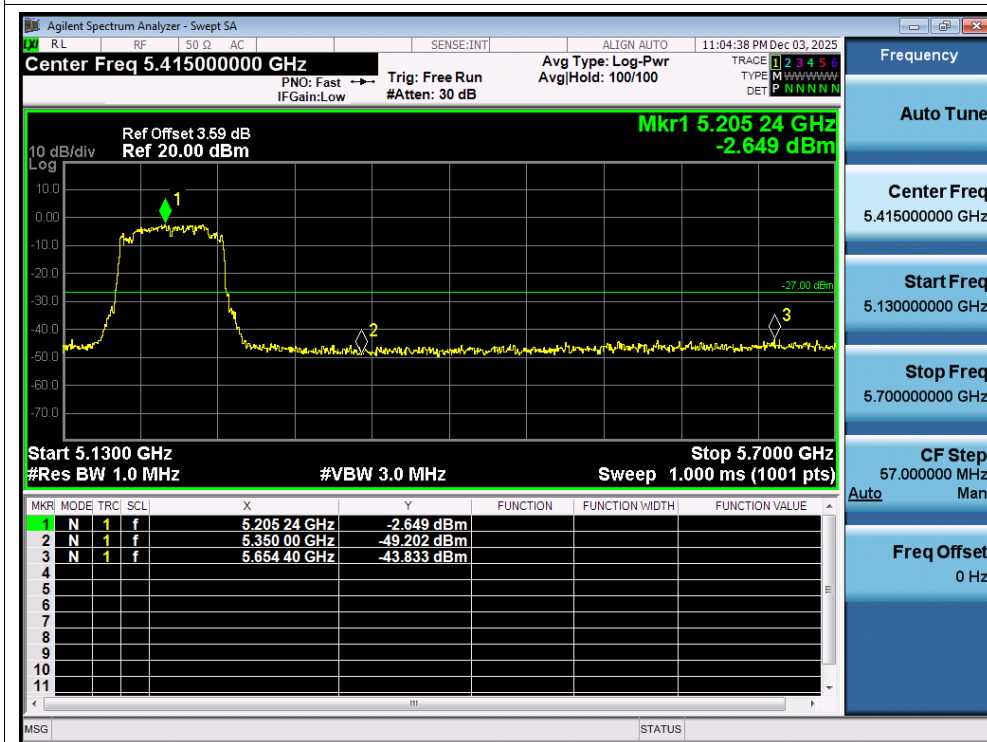
Band Edge NVNT ac40 5190MHz Low Ant A



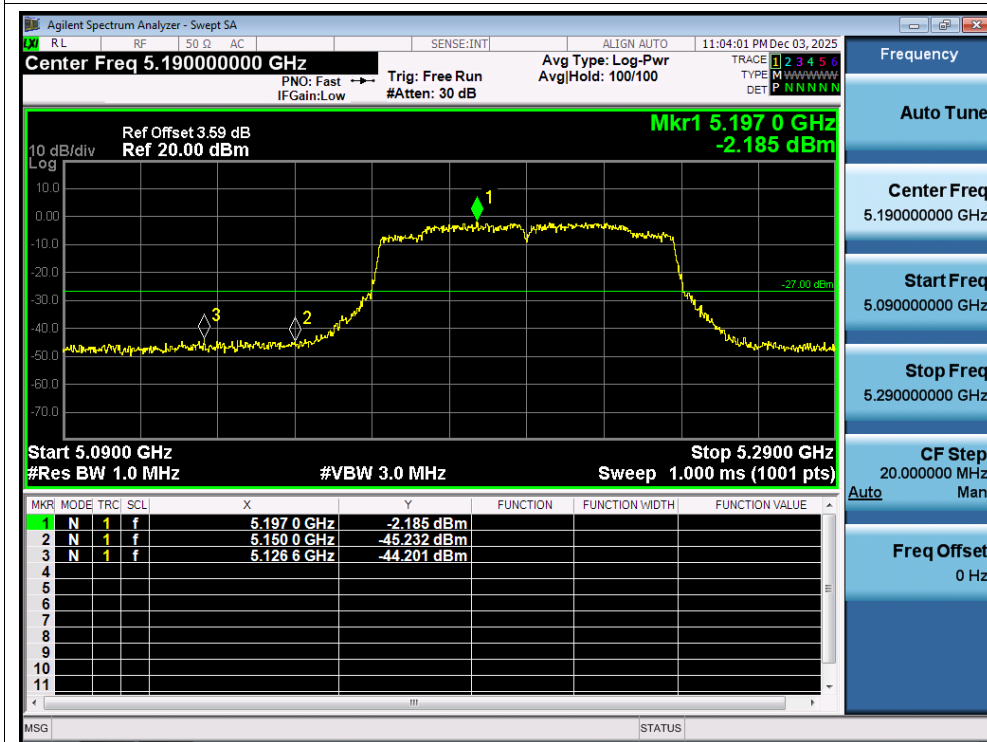
Band Edge NVNT ac40 5230MHz High Ant A



Band Edge NVNT ac80 5210MHz High Ant A



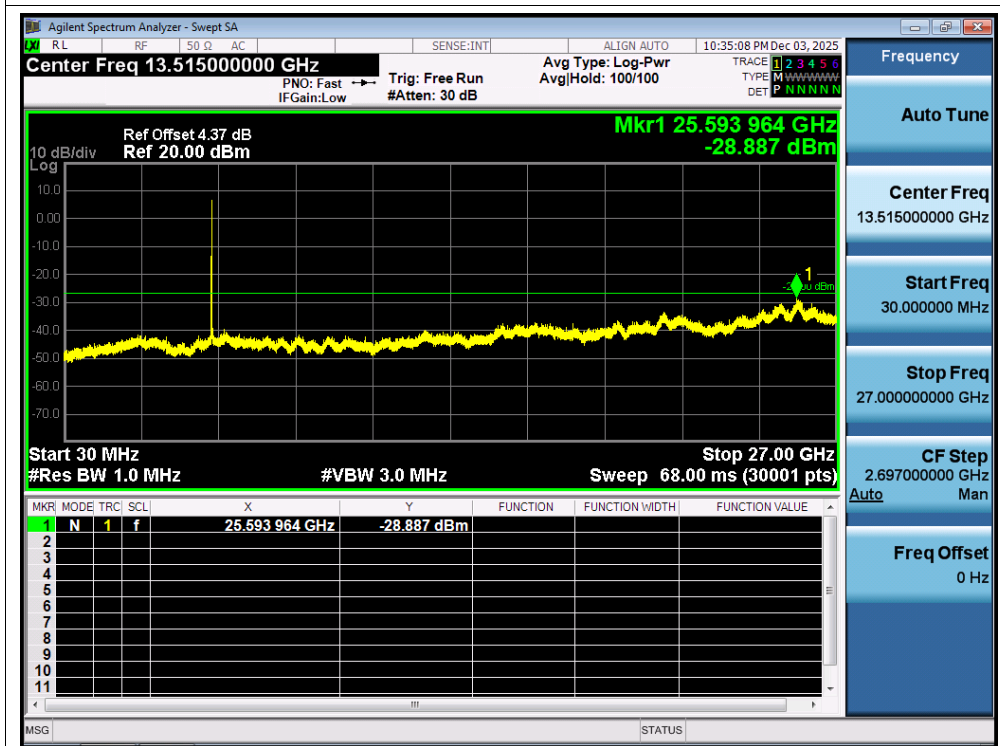
Band Edge NVNT ac80 5210MHz Low Ant A



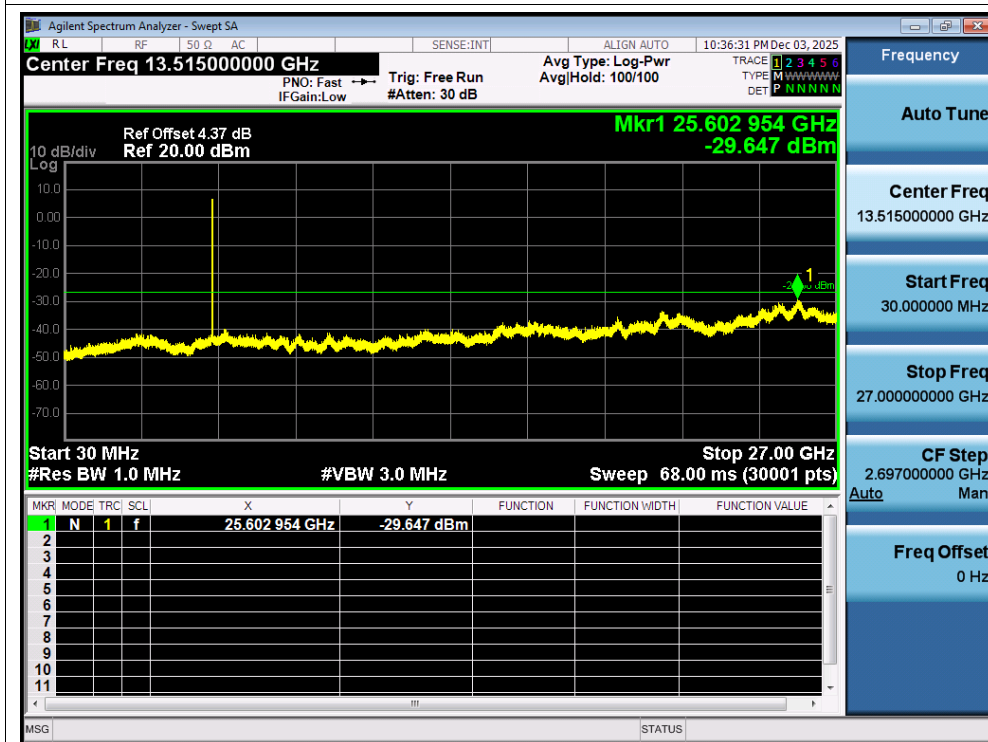
## Conducted RF Spurious Emission

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a    | 5180            | Ant A   | -29.31          | -27         | Pass    |
|           |      | 5200            |         | -29.56          | -27         | Pass    |
|           |      | 5240            |         | -29.48          | -27         | Pass    |
|           | n20  | 5180            |         | -28.88          | -27         | Pass    |
|           |      | 5200            |         | -29.64          | -27         | Pass    |
|           |      | 5240            |         | -28.41          | -27         | Pass    |
|           | n40  | 5190            |         | -29.11          | -27         | Pass    |
|           |      | 5230            |         | -29.45          | -27         | Pass    |
|           | ac20 | 5180            |         | -29.57          | -27         | Pass    |
|           |      | 5200            |         | -28.58          | -27         | Pass    |
|           |      | 5240            |         | -29.1           | -27         | Pass    |
|           | ac40 | 5190            |         | -28.68          | -27         | Pass    |
|           |      | 5230            |         | -28.88          | -27         | Pass    |
|           | ac80 | 5210            |         | -29.53          | -27         | Pass    |

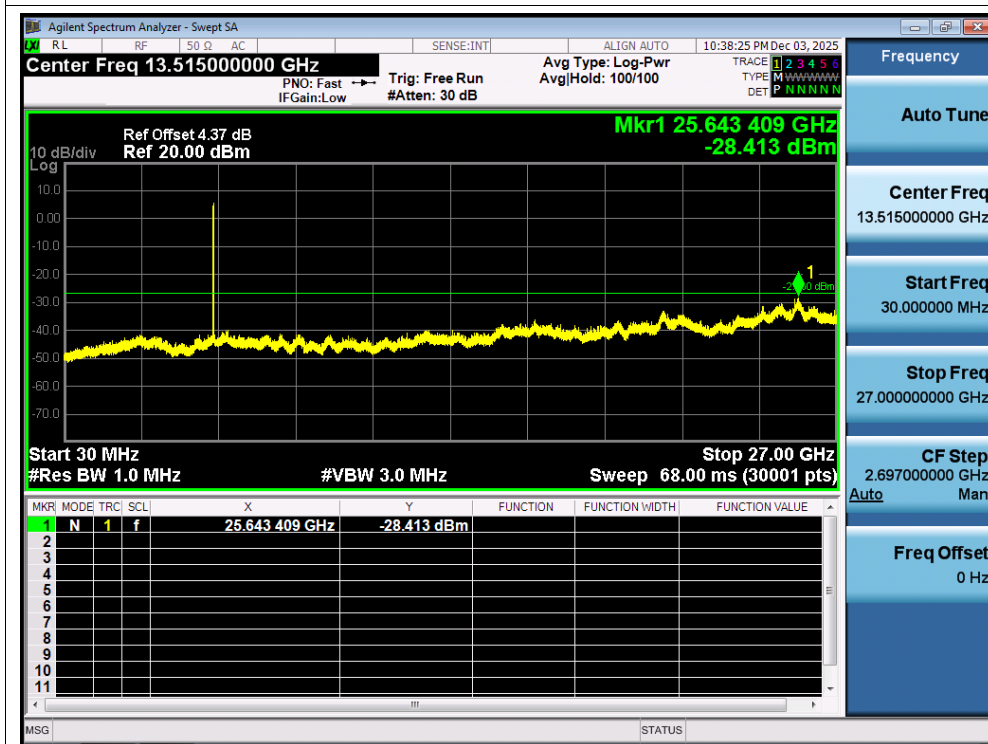




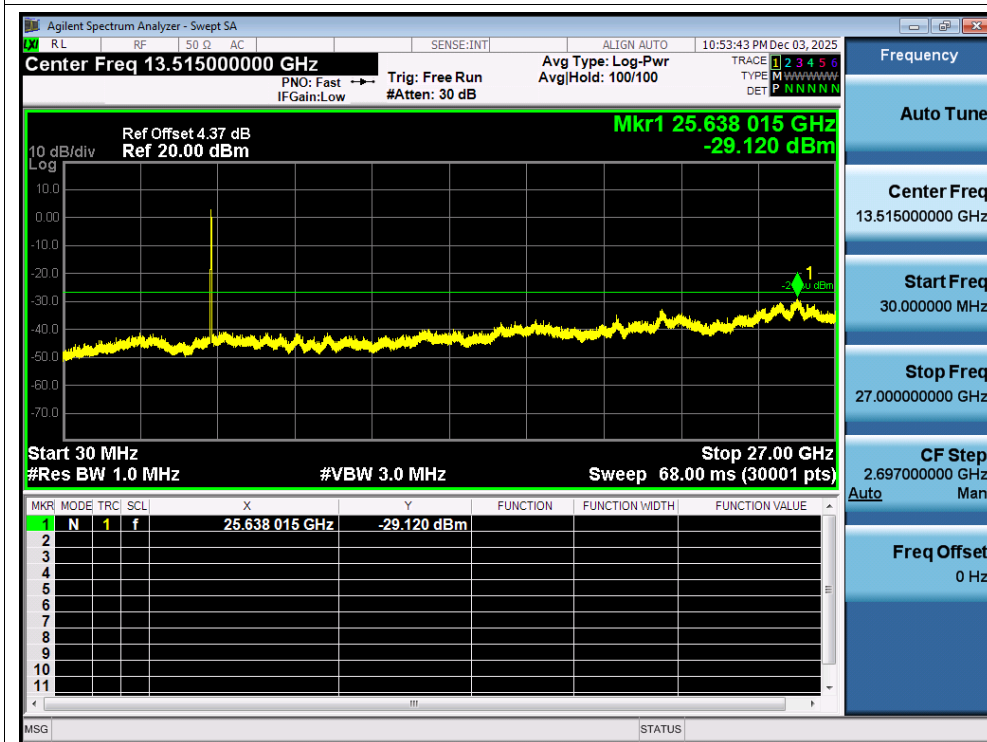
Tx. Spurious NVNT n20 5200MHz Ant A Emission



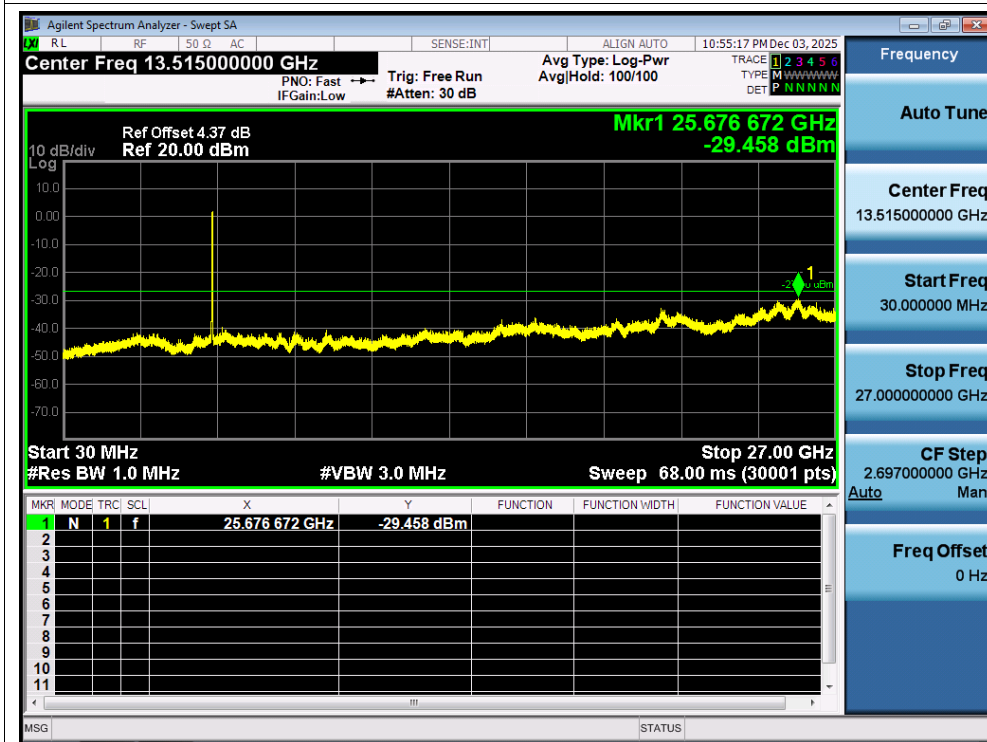
Tx. Spurious NVNT n20 5240MHz Ant A Emission



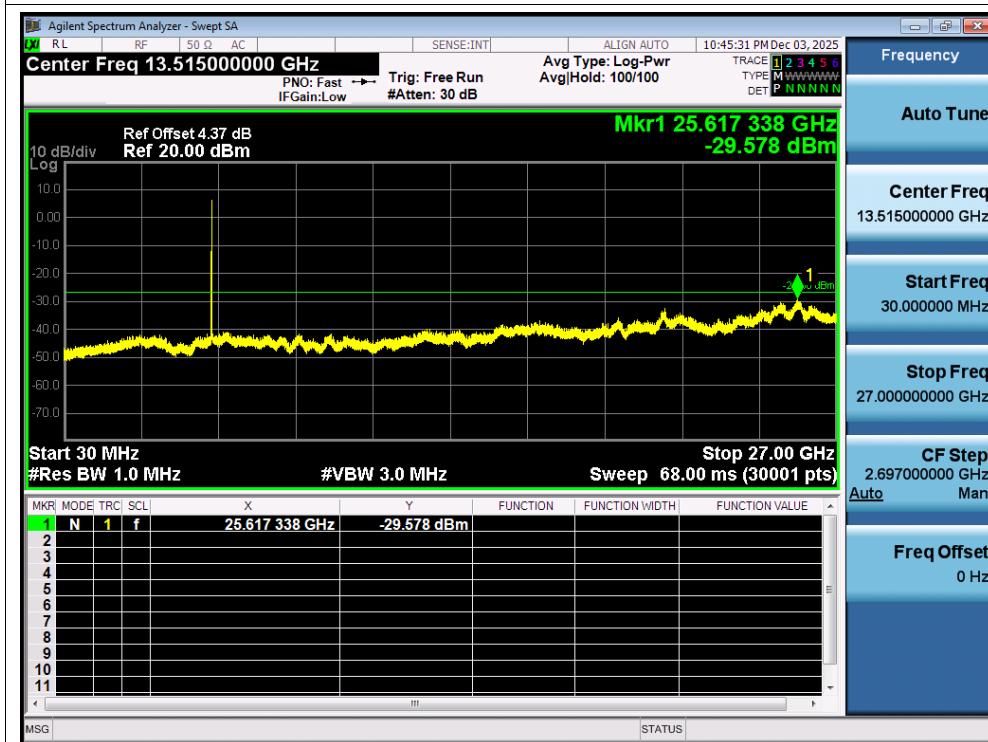
Tx. Spurious NVNT n40 5190MHz Ant A Emission



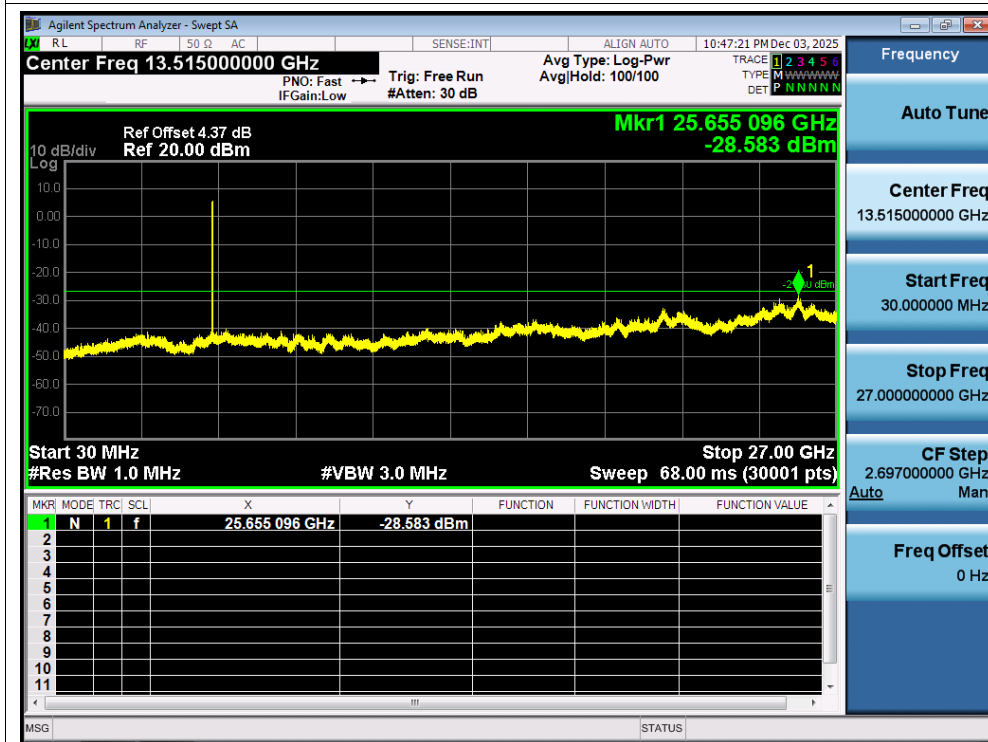
Tx. Spurious NVNT n40 5230MHz Ant A Emission

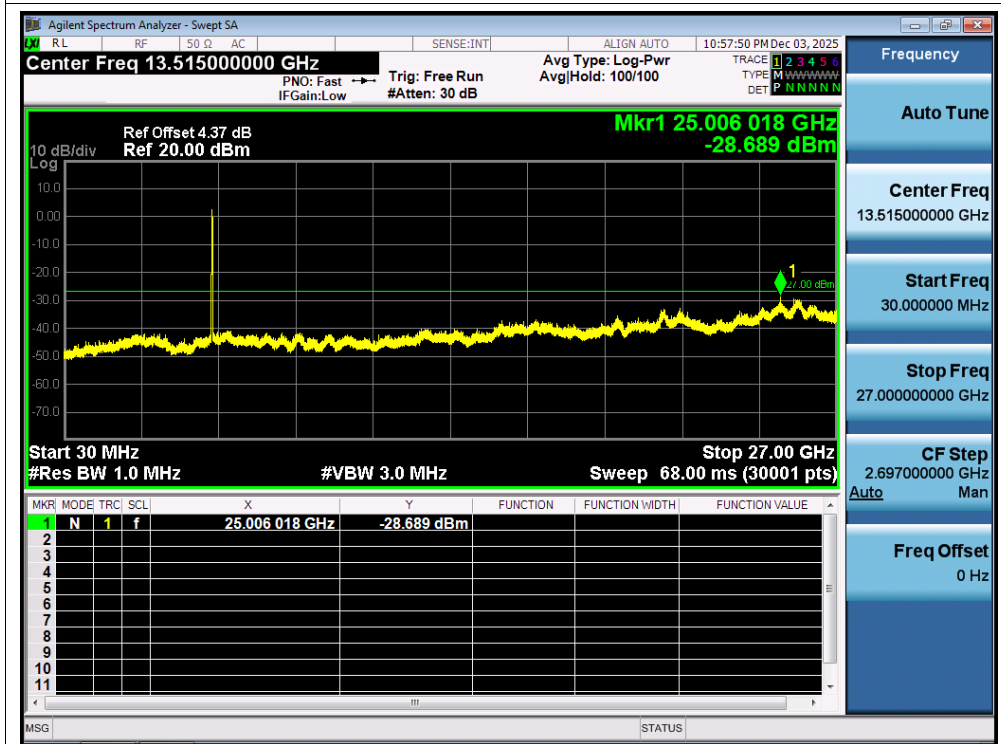


Tx. Spurious NVNT ac20 5180MHz Ant A Emission

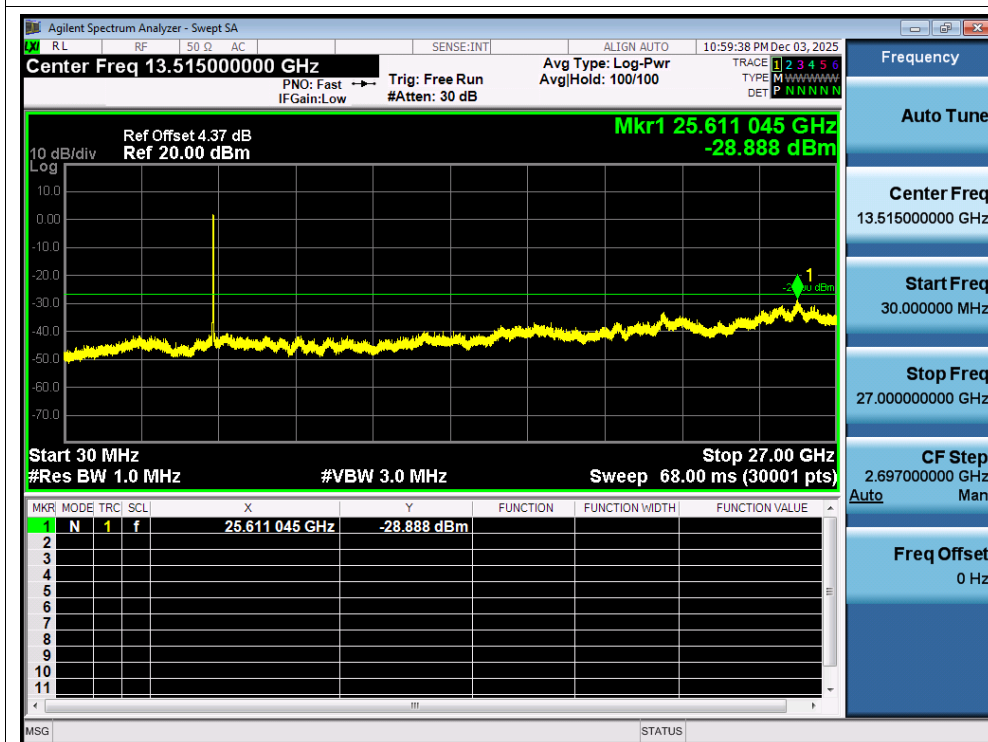


Tx. Spurious NVNT ac20 5200MHz Ant A Emission





Tx. Spurious NVNT ac40 5230MHz Ant A Emission



Tx. Spurious NVNT ac80 5210MHz Ant A Emission

