

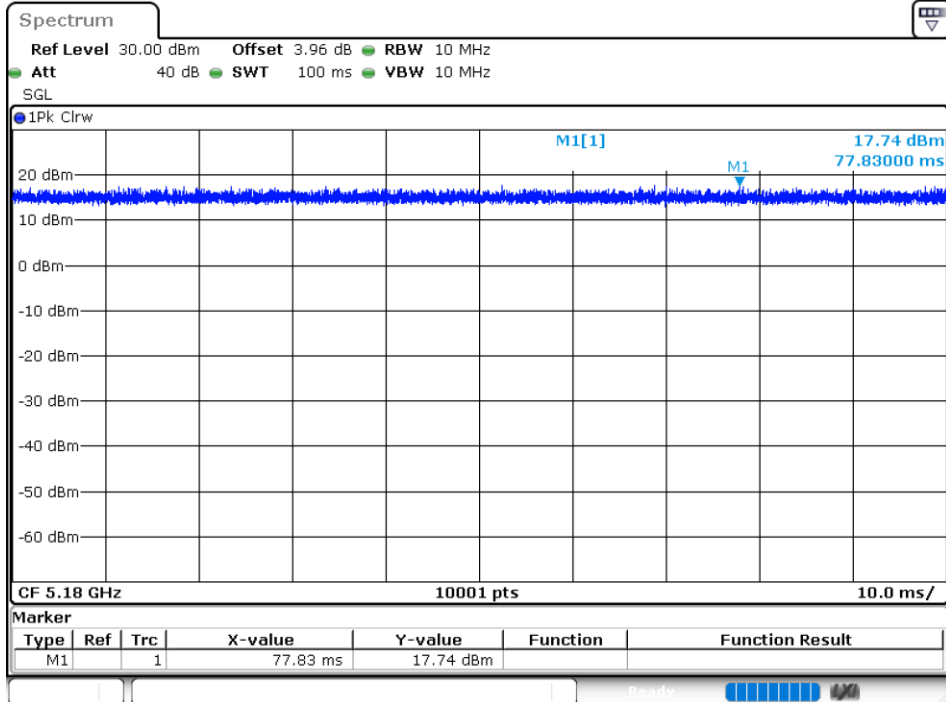
## 5.2G WIFI:

### Duty Cycle

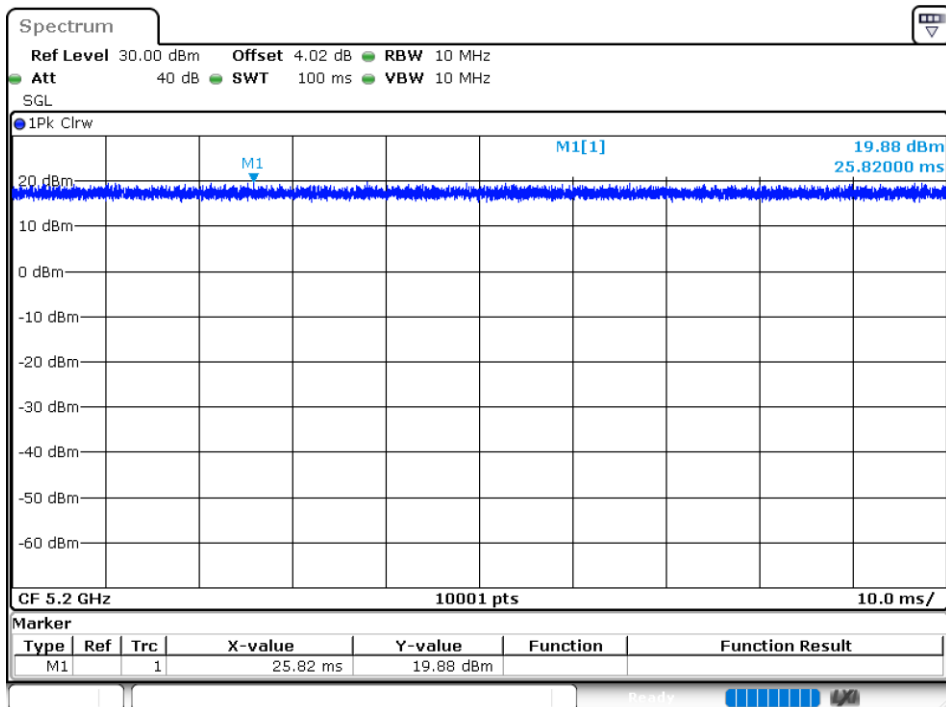
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5180            | Ant1    | 100            | 0                      | 0         |
| NVNT      | a    | 5200            | Ant1    | 100            | 0                      | 0         |
| NVNT      | a    | 5240            | Ant1    | 100            | 0                      | 0         |
| NVNT      | n20  | 5180            | Ant1    | 100            | 0                      | 0         |
| NVNT      | n20  | 5200            | Ant1    | 100            | 0                      | 0         |
| NVNT      | n20  | 5240            | Ant1    | 100            | 0                      | 0         |
| NVNT      | n40  | 5190            | Ant1    | 100            | 0                      | 0         |
| NVNT      | n40  | 5230            | Ant1    | 100            | 0                      | 0         |
| NVNT      | ac20 | 5180            | Ant1    | 100            | 0                      | 0         |
| NVNT      | ac20 | 5200            | Ant1    | 100            | 0                      | 0         |
| NVNT      | ac20 | 5240            | Ant1    | 100            | 0                      | 0         |
| NVNT      | ac40 | 5190            | Ant1    | 100            | 0                      | 0         |
| NVNT      | ac40 | 5230            | Ant1    | 100            | 0                      | 0         |
| NVNT      | ac80 | 5210            | Ant1    | 100            | 0                      | 0         |
| NVNT      | ax20 | 5180            | Ant1    | 100            | 0                      | 0         |
| NVNT      | ax20 | 5200            | Ant1    | 100            | 0                      | 0         |
| NVNT      | ax20 | 5240            | Ant1    | 100            | 0                      | 0         |
| NVNT      | ax40 | 5190            | Ant1    | 100            | 0                      | 0         |
| NVNT      | ax40 | 5230            | Ant1    | 100            | 0                      | 0         |
| NVNT      | ax80 | 5210            | Ant1    | 100            | 0                      | 0         |

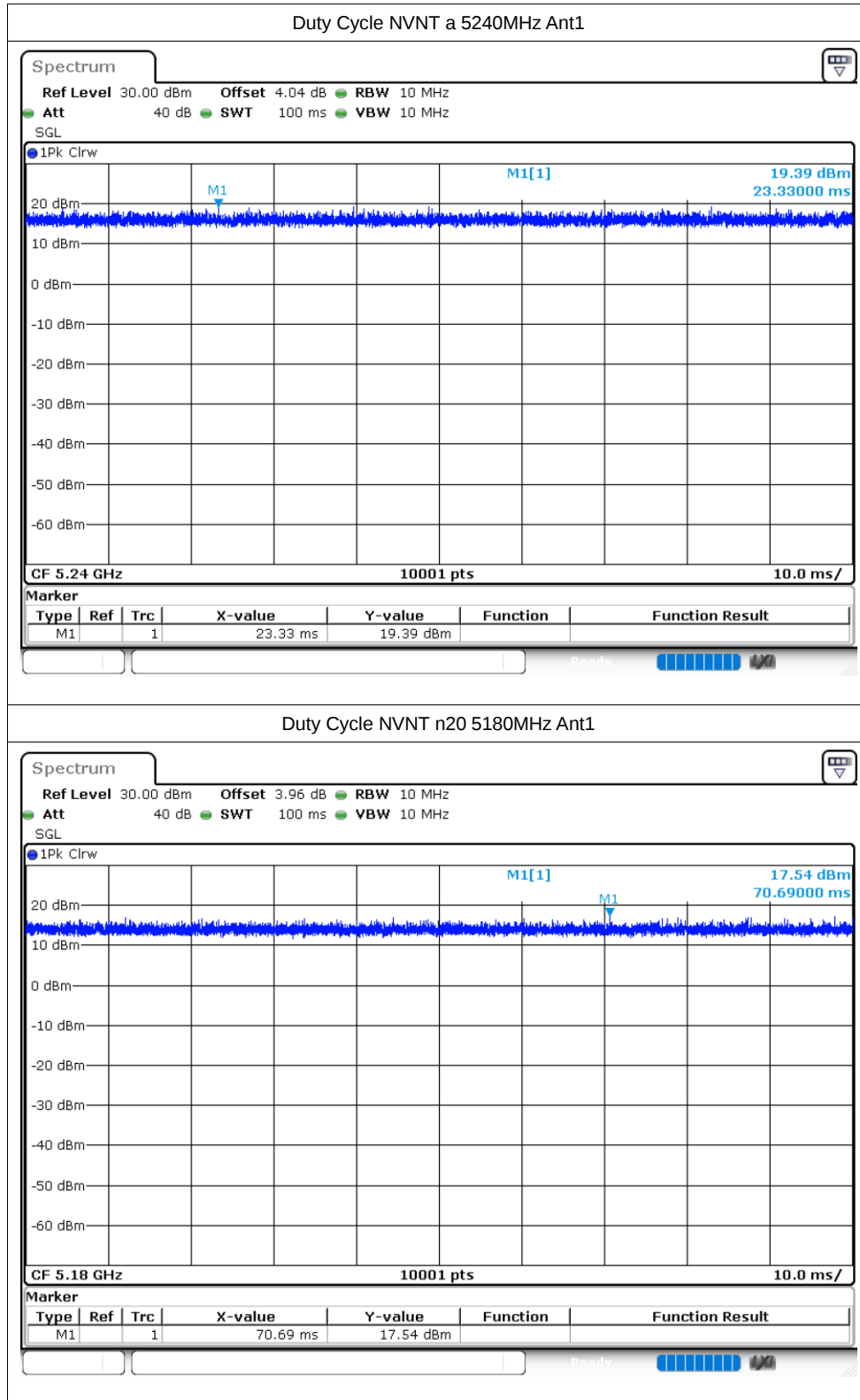
## Test Graphs

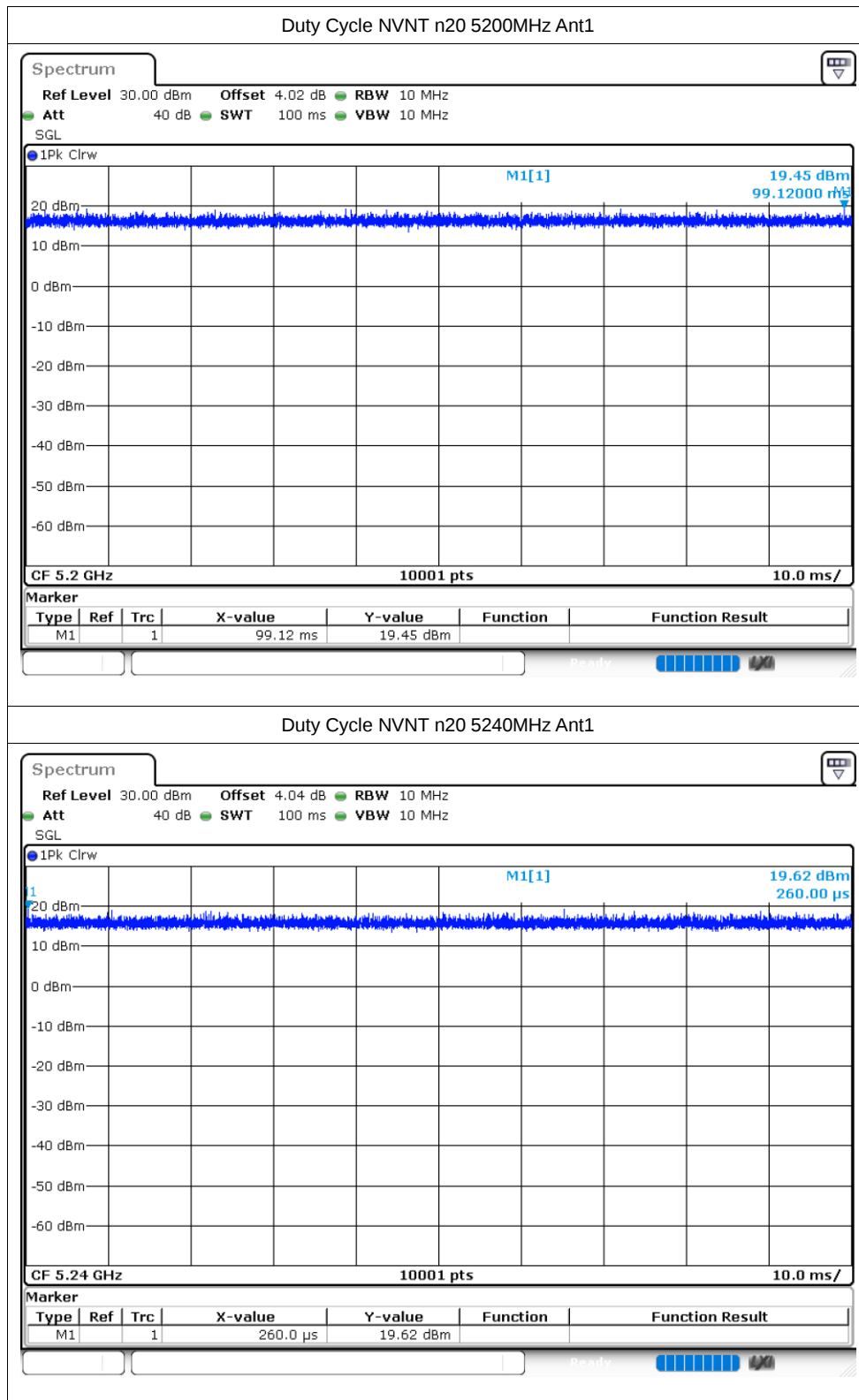
### Duty Cycle NVNT a 5180MHz Ant1

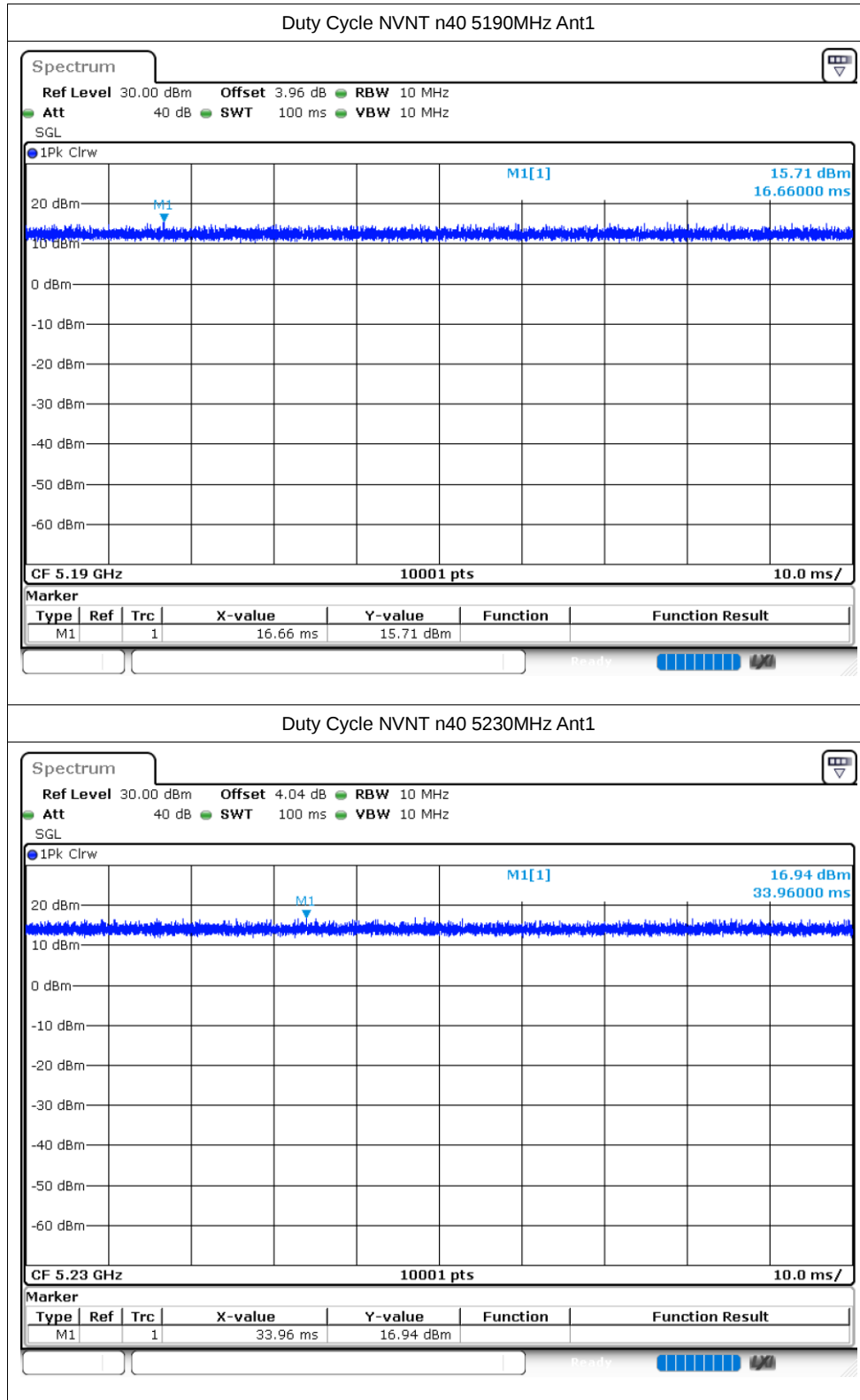


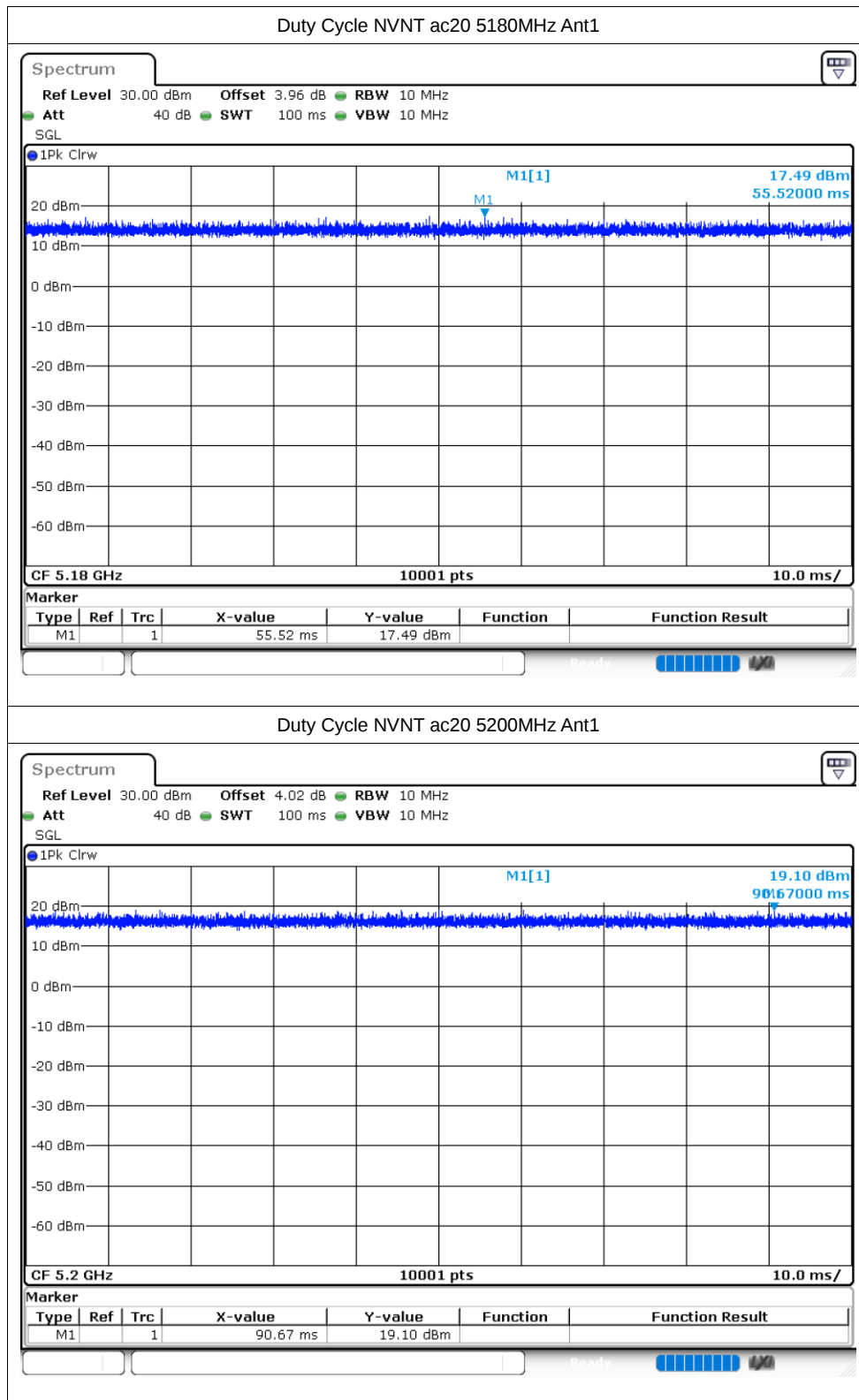
### Duty Cycle NVNT a 5200MHz Ant1

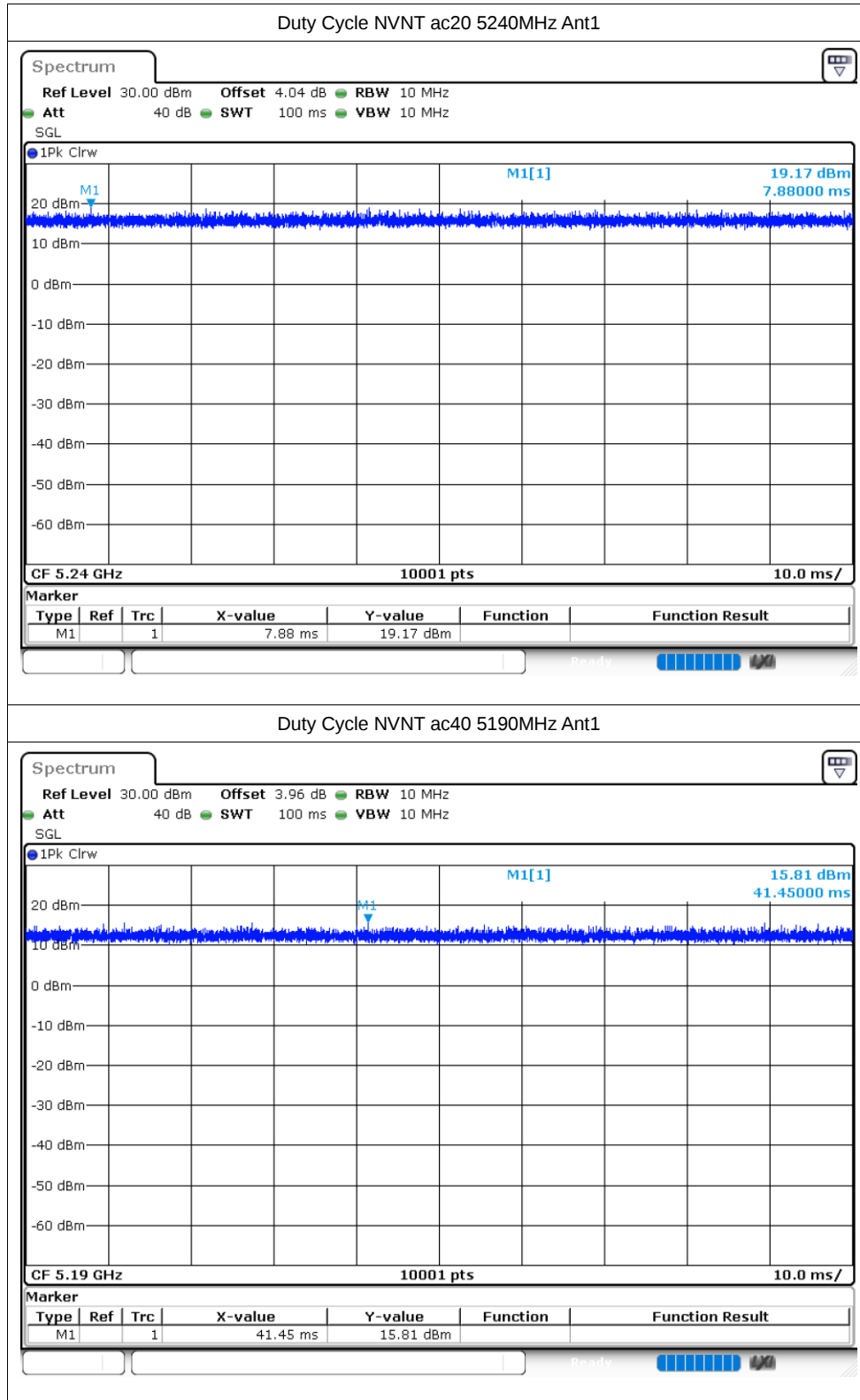


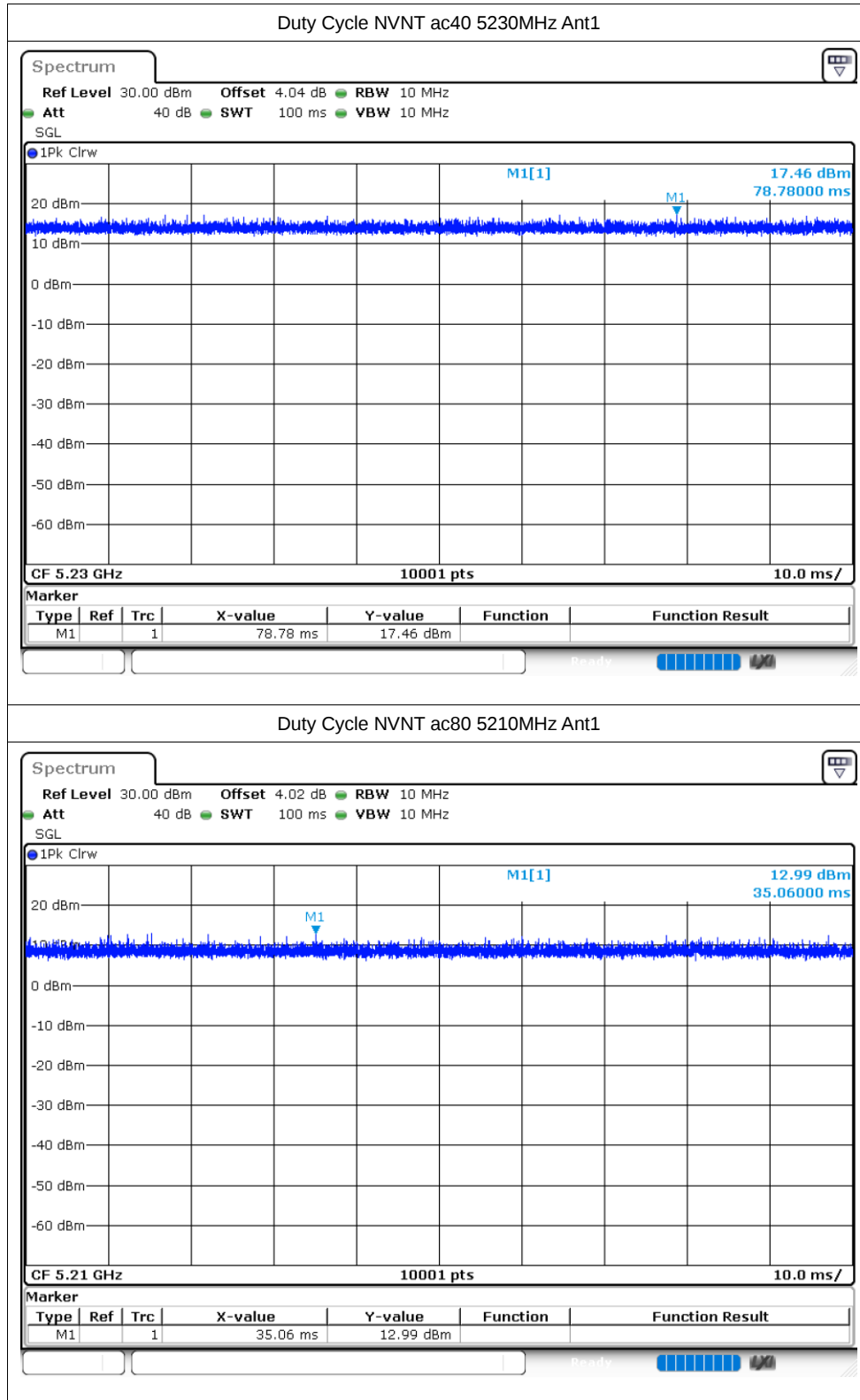


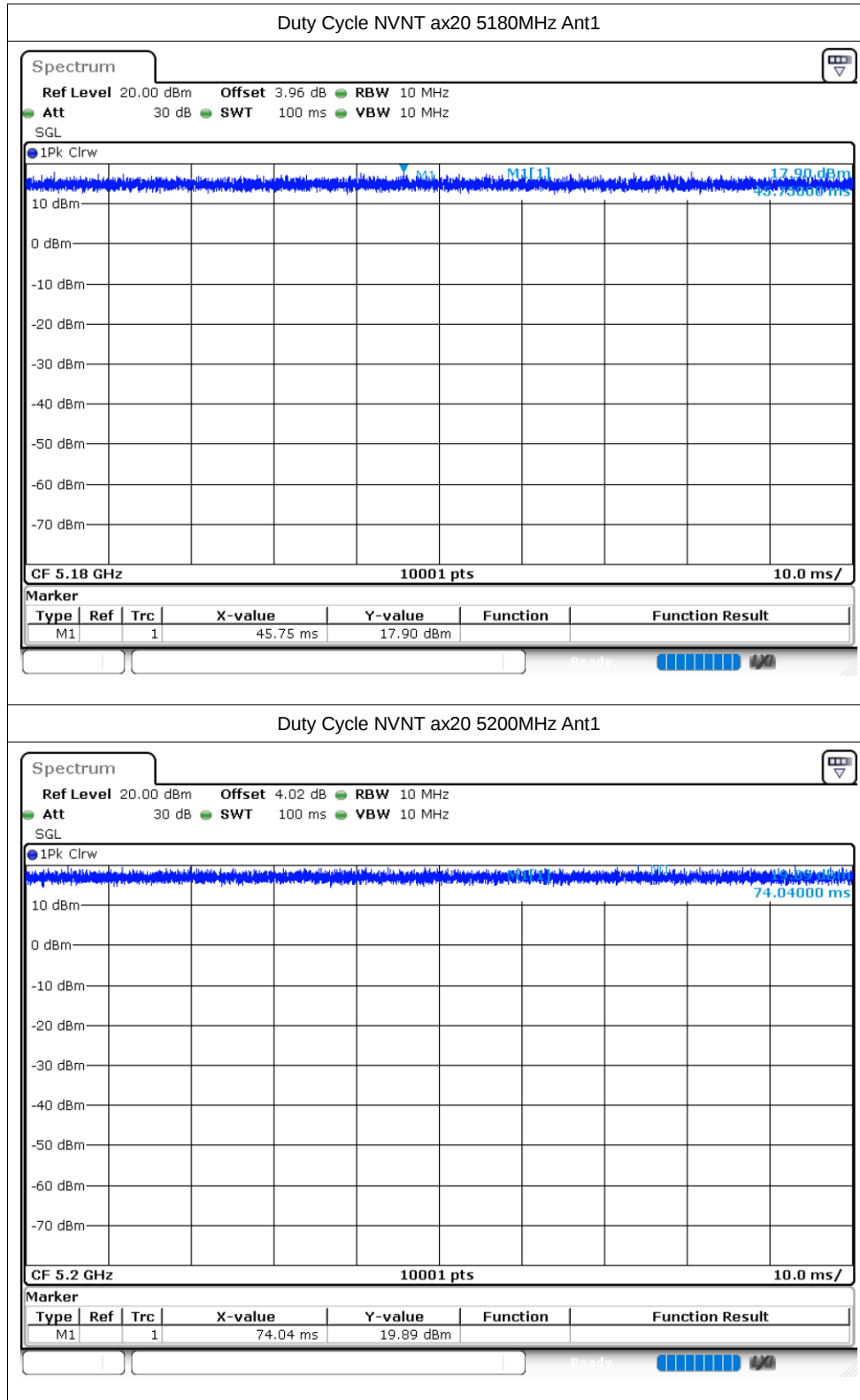


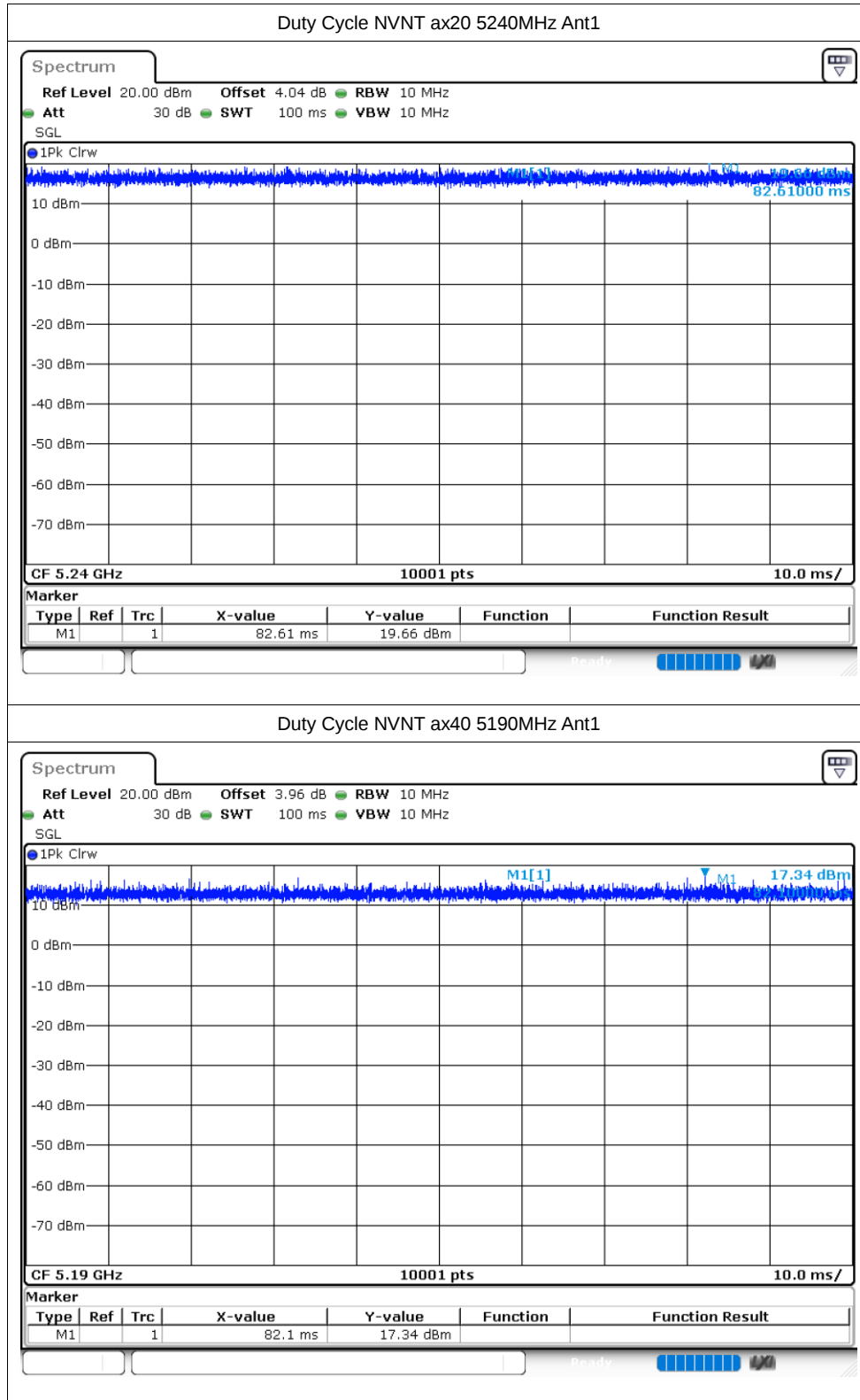


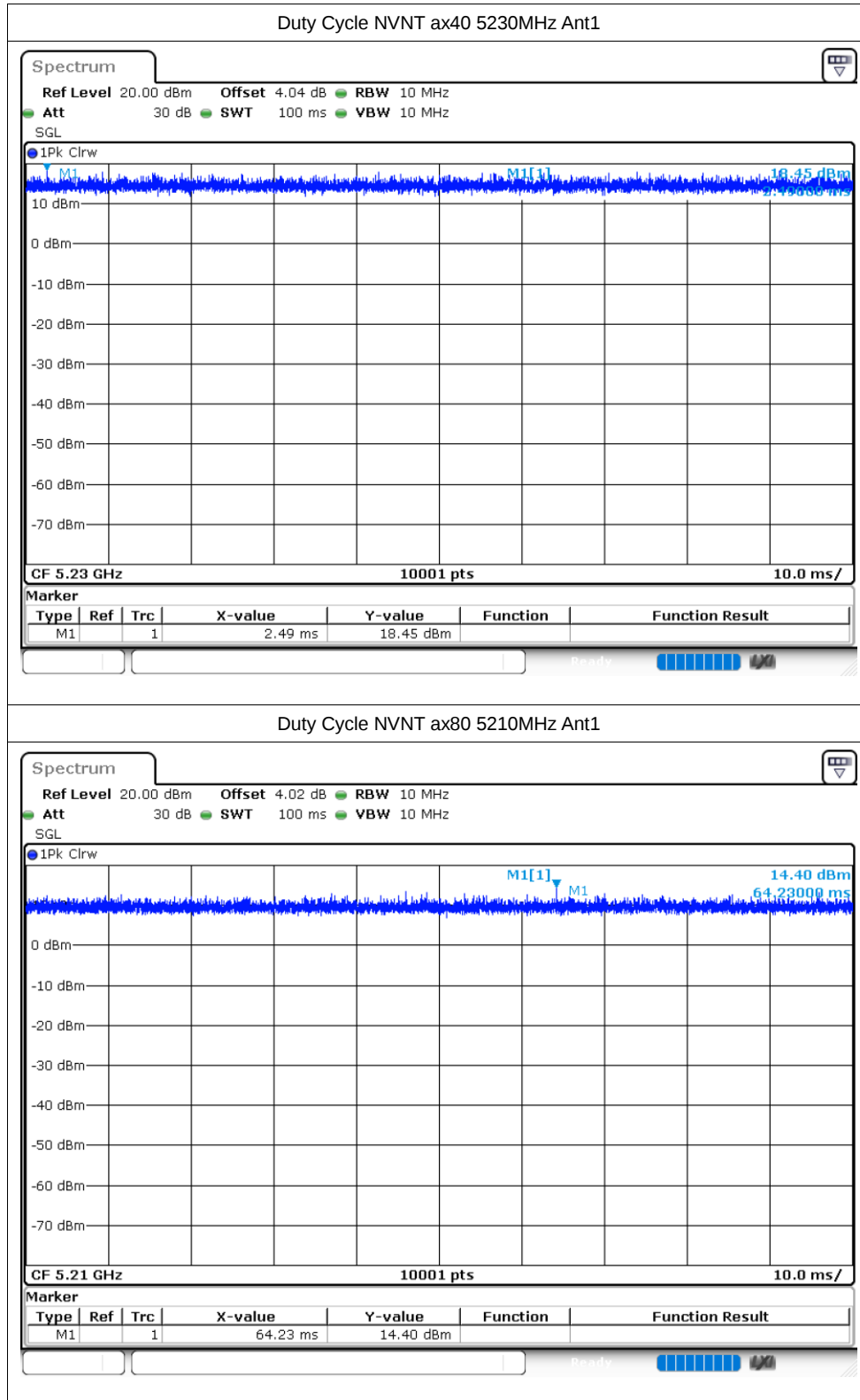












## Maximum Conducted Output Power

| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------------|----------------|---------|
| NVNT      | a    | 5180               | Ant1    | 11.78                    | 24             | Pass    |
| NVNT      | a    | 5200               | Ant1    | 12.7                     | 24             | Pass    |
| NVNT      | a    | 5240               | Ant1    | 11.86                    | 24             | Pass    |
| NVNT      | n20  | 5180               | Ant1    | 10.67                    | 24             | Pass    |
| NVNT      | n20  | 5200               | Ant1    | 11.61                    | 24             | Pass    |
| NVNT      | n20  | 5240               | Ant1    | 11.82                    | 24             | Pass    |
| NVNT      | n40  | 5190               | Ant1    | 10.42                    | 24             | Pass    |
| NVNT      | n40  | 5230               | Ant1    | 11.63                    | 24             | Pass    |
| NVNT      | ac20 | 5180               | Ant1    | 10.68                    | 24             | Pass    |
| NVNT      | ac20 | 5200               | Ant1    | 11.66                    | 24             | Pass    |
| NVNT      | ac20 | 5240               | Ant1    | 11.72                    | 24             | Pass    |
| NVNT      | ac40 | 5190               | Ant1    | 10.38                    | 24             | Pass    |
| NVNT      | ac40 | 5230               | Ant1    | 11.62                    | 24             | Pass    |
| NVNT      | ac80 | 5210               | Ant1    | 10.64                    | 24             | Pass    |
| NVNT      | ax20 | 5180               | Ant1    | 11.09                    | 24             | Pass    |
| NVNT      | ax20 | 5200               | Ant1    | 11.85                    | 24             | Pass    |
| NVNT      | ax20 | 5240               | Ant1    | 11.91                    | 24             | Pass    |
| NVNT      | ax40 | 5190               | Ant1    | 10.67                    | 24             | Pass    |
| NVNT      | ax40 | 5230               | Ant1    | 11.95                    | 24             | Pass    |
| NVNT      | ax80 | 5210               | Ant1    | 11.23                    | 24             | Pass    |

## -26dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|------------------------|---------|
| NVNT      | a    | 5180            | Ant1    | 19.911                 | Pass    |
| NVNT      | a    | 5200            | Ant1    | 19.422                 | Pass    |
| NVNT      | a    | 5240            | Ant1    | 19.731                 | Pass    |
| NVNT      | n20  | 5180            | Ant1    | 20.412                 | Pass    |
| NVNT      | n20  | 5200            | Ant1    | 20.073                 | Pass    |
| NVNT      | n20  | 5240            | Ant1    | 20.016                 | Pass    |
| NVNT      | n40  | 5190            | Ant1    | 40.548                 | Pass    |
| NVNT      | n40  | 5230            | Ant1    | 40.302                 | Pass    |
| NVNT      | ac20 | 5180            | Ant1    | 19.995                 | Pass    |
| NVNT      | ac20 | 5200            | Ant1    | 19.8                   | Pass    |
| NVNT      | ac20 | 5240            | Ant1    | 19.974                 | Pass    |
| NVNT      | ac40 | 5190            | Ant1    | 40.44                  | Pass    |
| NVNT      | ac40 | 5230            | Ant1    | 40.44                  | Pass    |
| NVNT      | ac80 | 5210            | Ant1    | 80.124                 | Pass    |
| NVNT      | ax20 | 5180            | Ant1    | 19.842                 | Pass    |
| NVNT      | ax20 | 5200            | Ant1    | 19.842                 | Pass    |
| NVNT      | ax20 | 5240            | Ant1    | 19.821                 | Pass    |
| NVNT      | ax40 | 5190            | Ant1    | 39.564                 | Pass    |
| NVNT      | ax40 | 5230            | Ant1    | 39.54                  | Pass    |
| NVNT      | ax80 | 5210            | Ant1    | 80.436                 | Pass    |

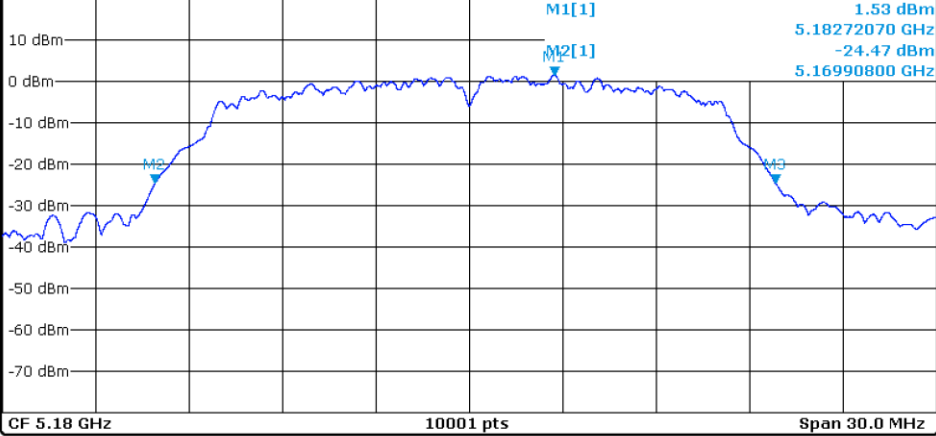
Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 3.96 dB RBW 300 kHz  
Att 35 dB SWT 25.4  $\mu$ s VBW 1 MHz Mode Auto FFT  
SGL Count 100/100

1Pk Max

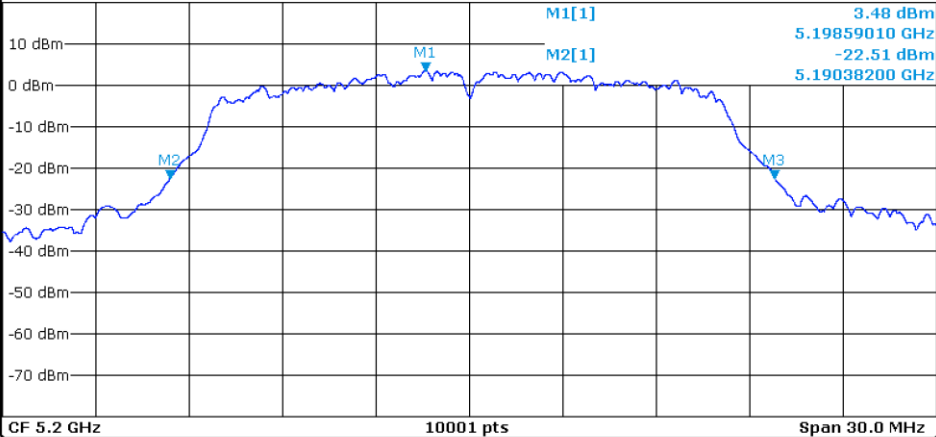


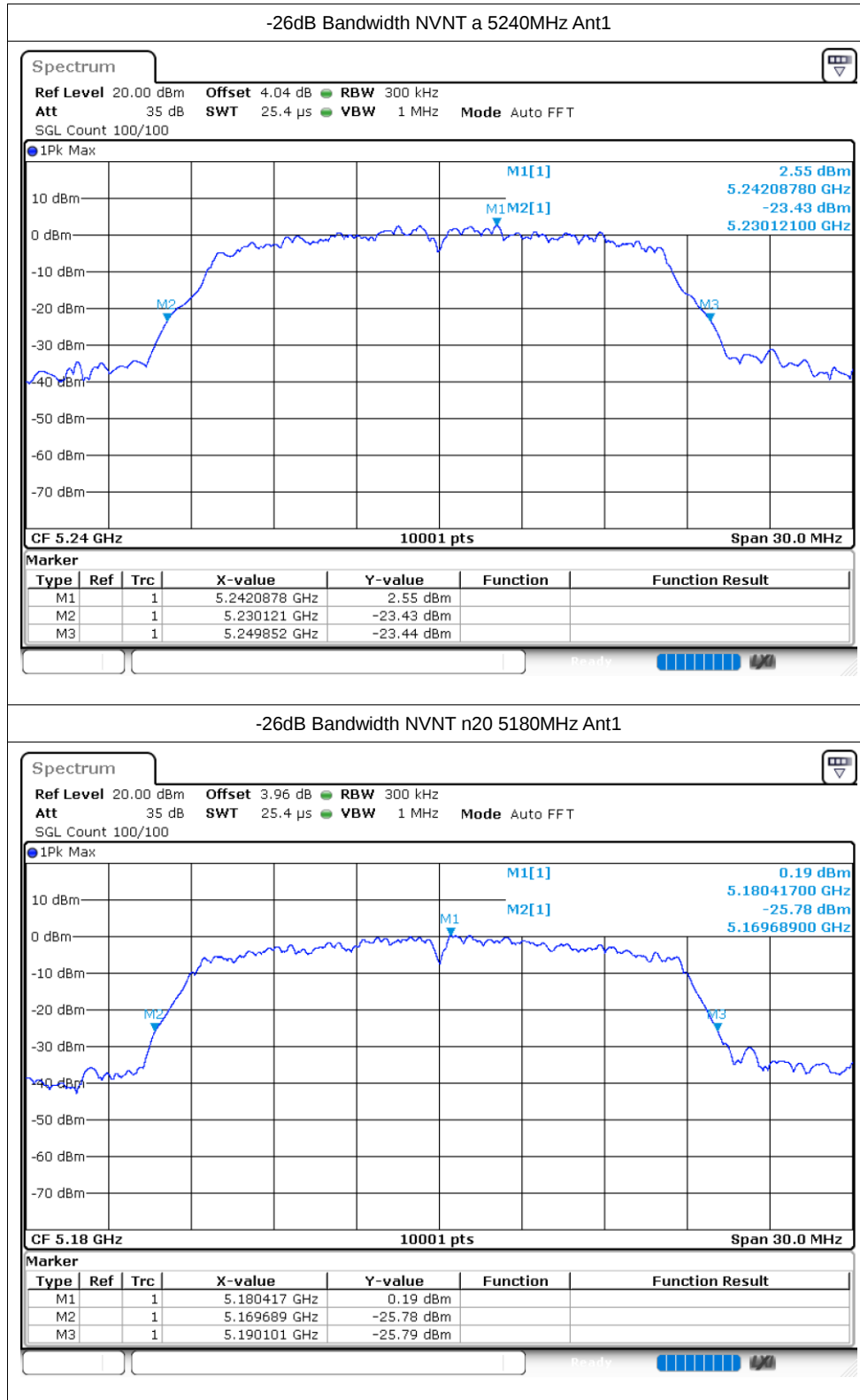
-26dB Bandwidth NVNT a 5200MHz Ant1

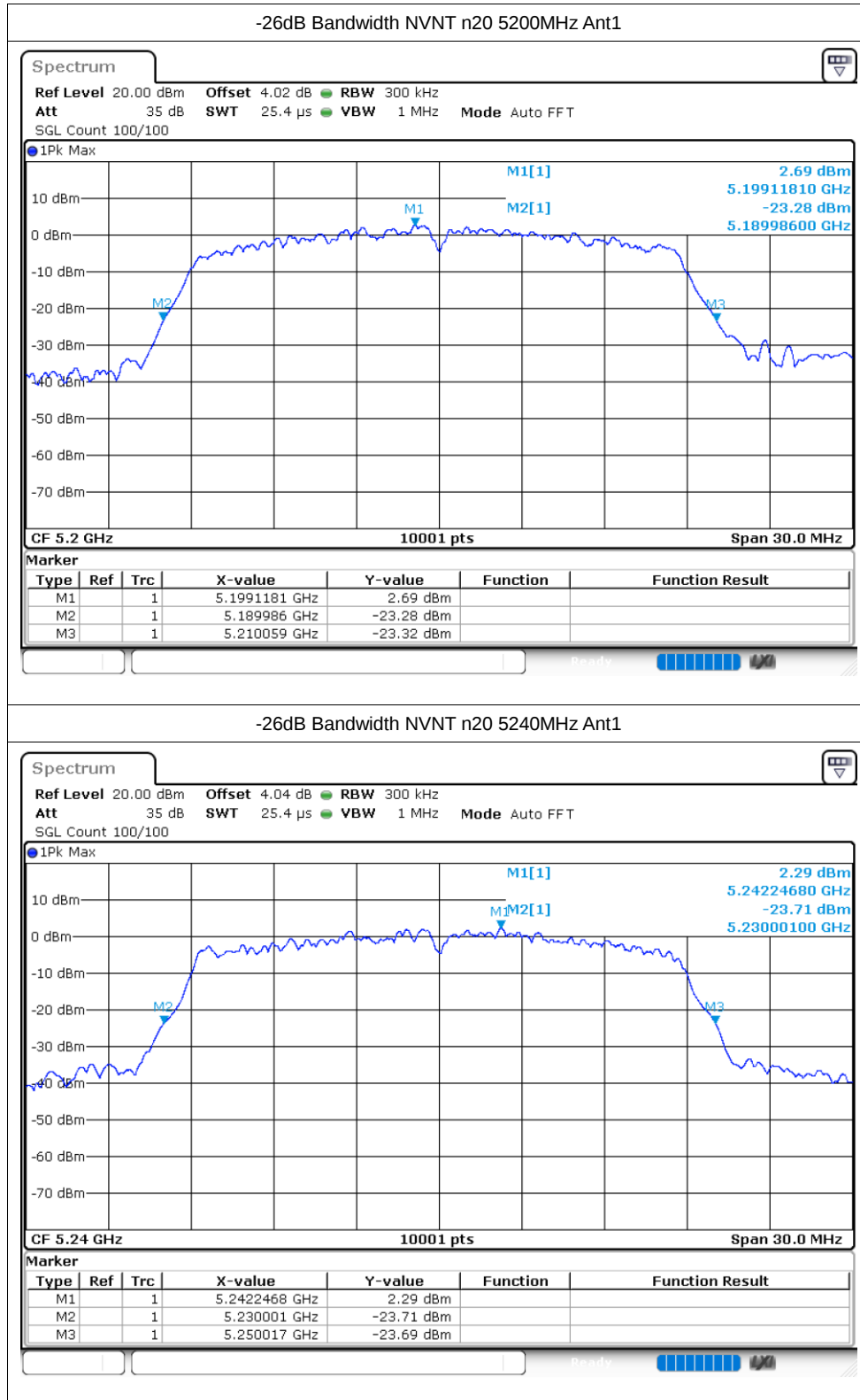
Spectrum

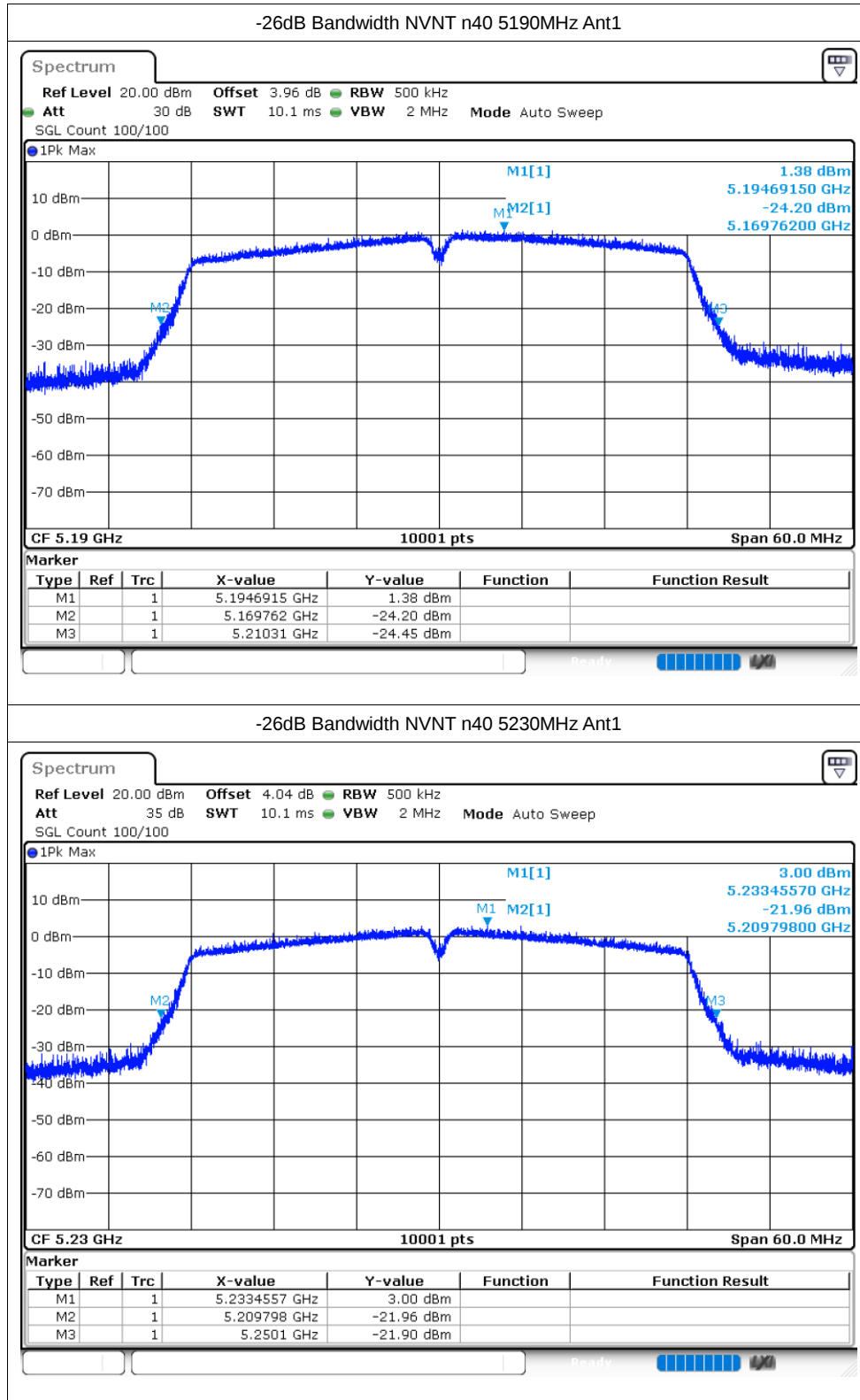
Ref Level 20.00 dBm Offset 4.02 dB RBW 300 kHz  
Att 35 dB SWT 25.4  $\mu$ s VBW 1 MHz Mode Auto FFT  
SGL Count 100/100

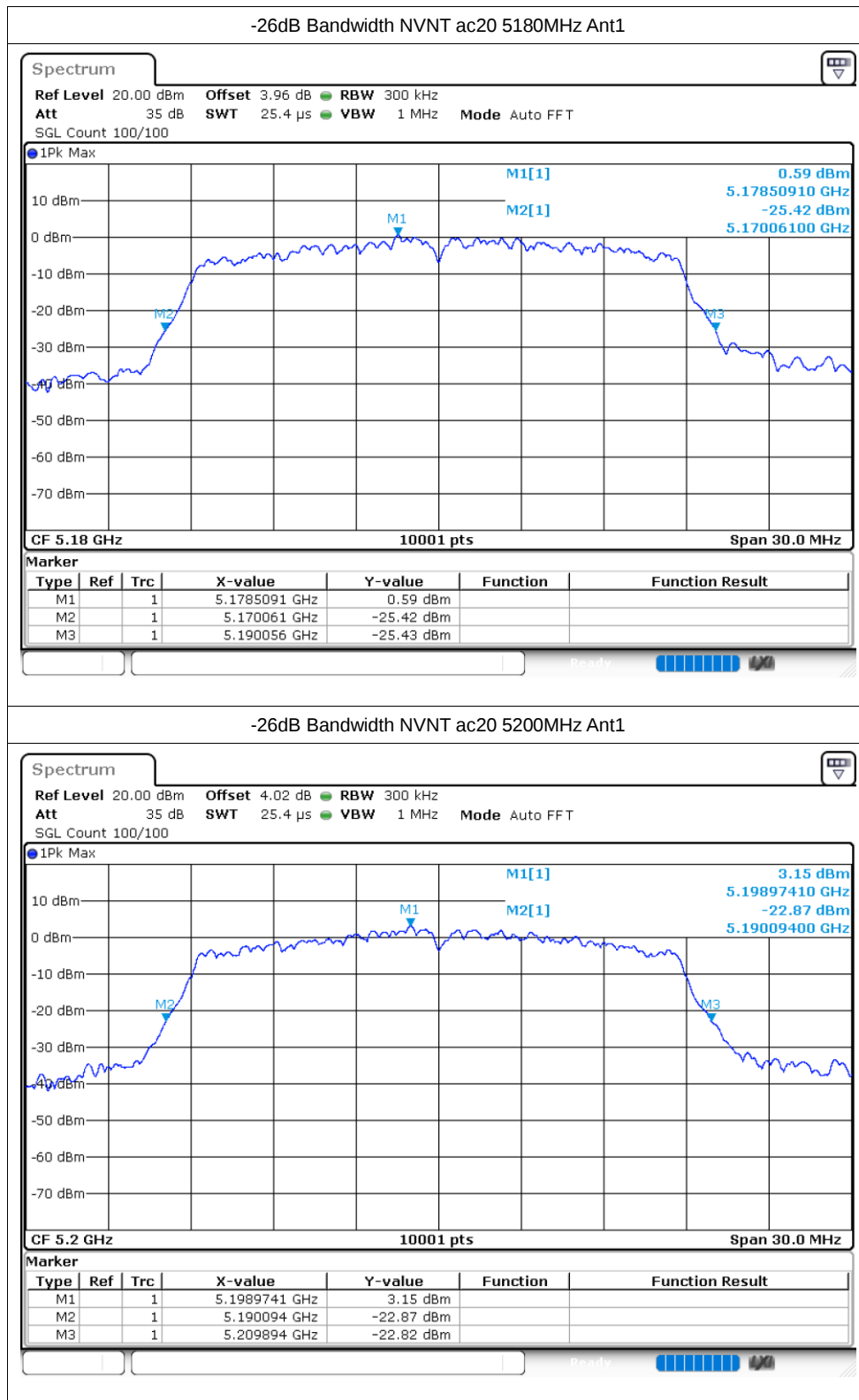
1Pk Max

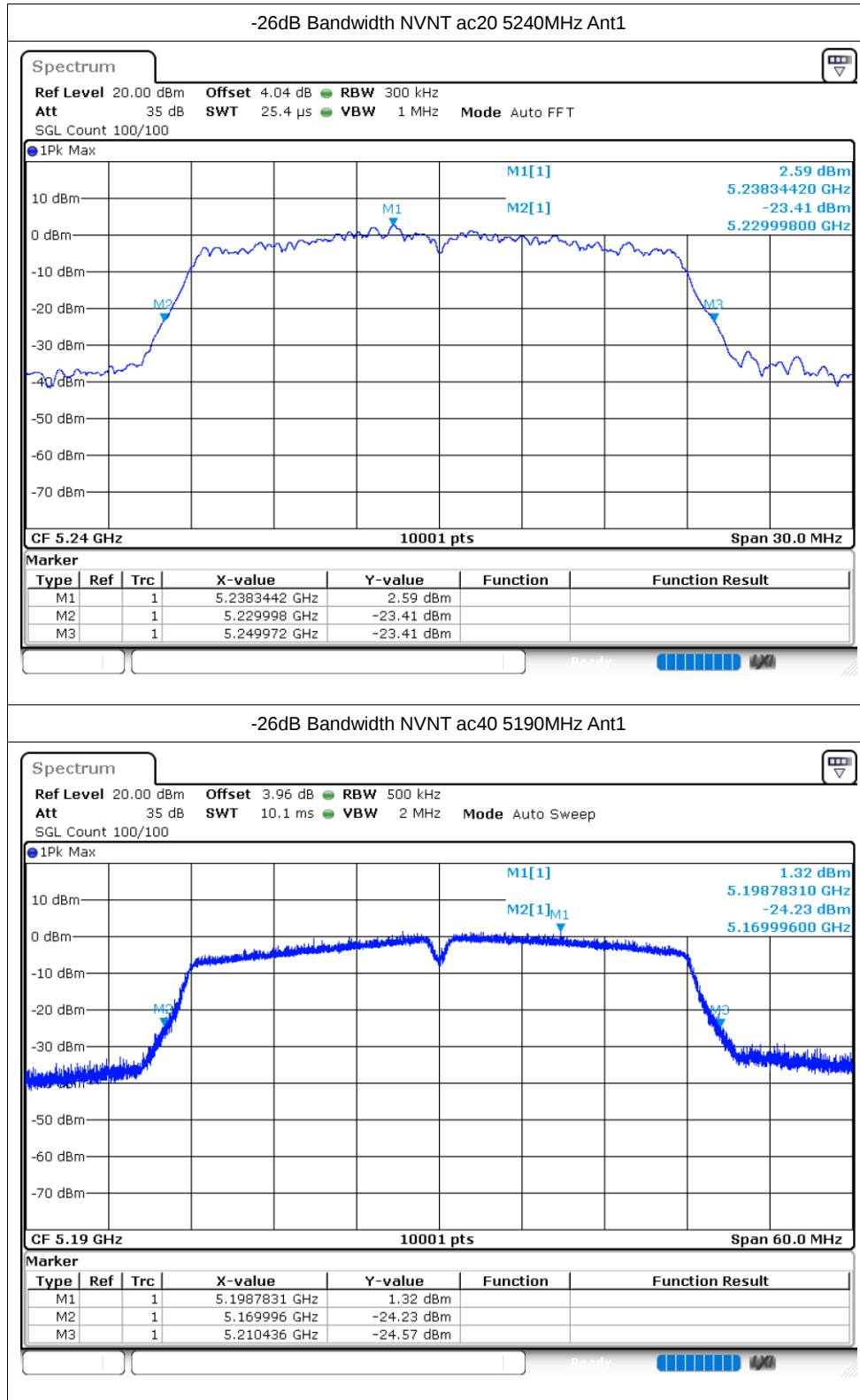


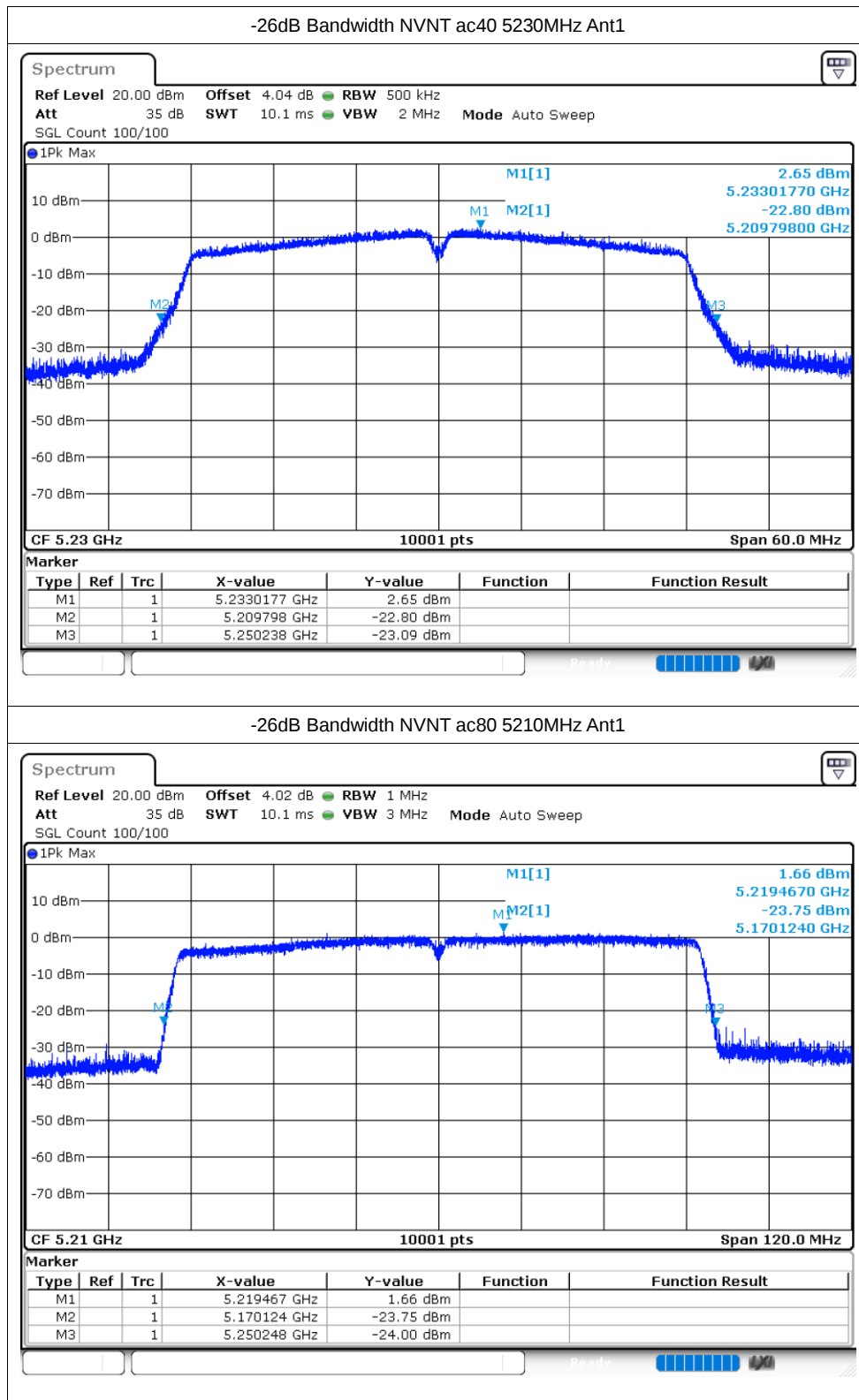


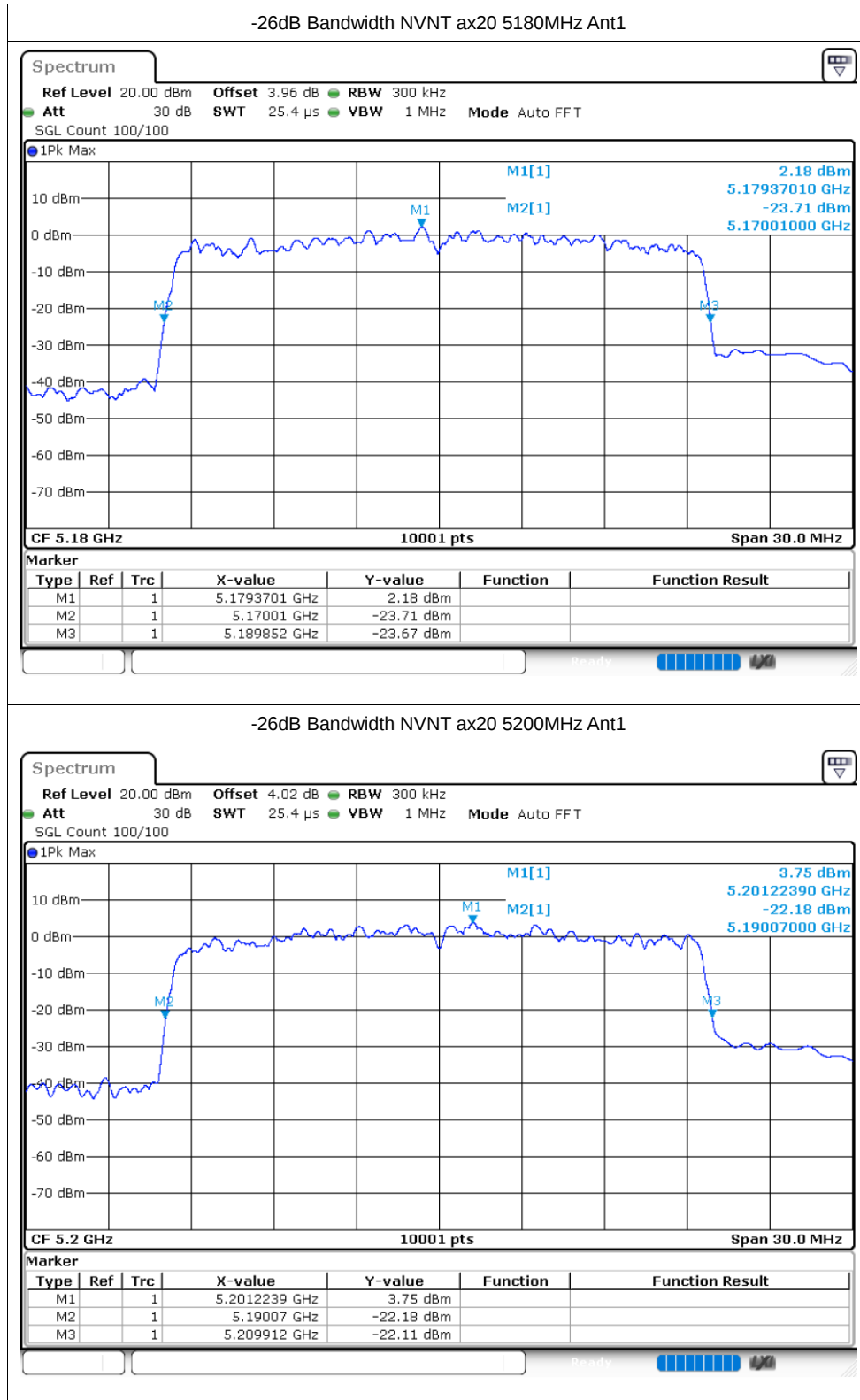


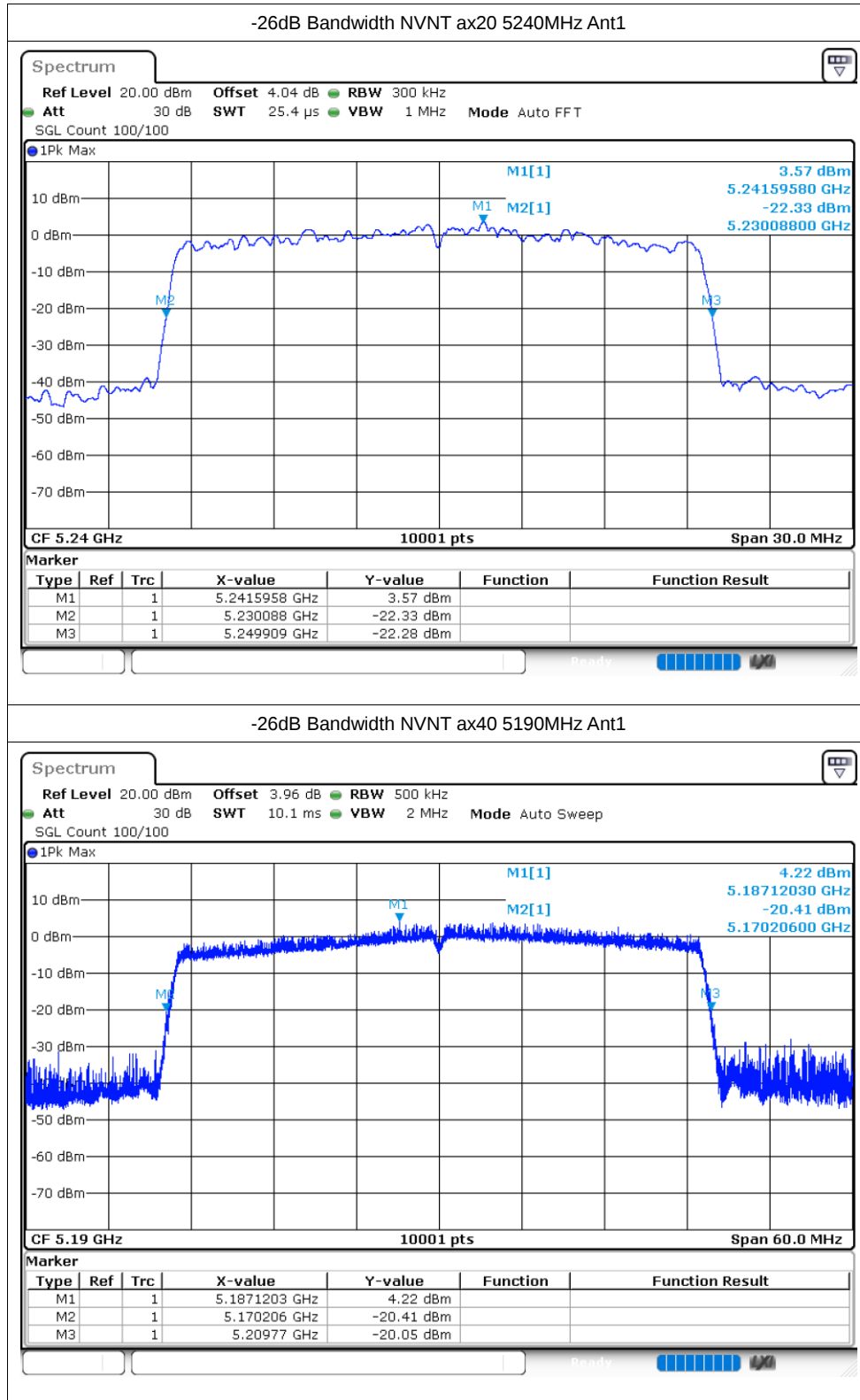


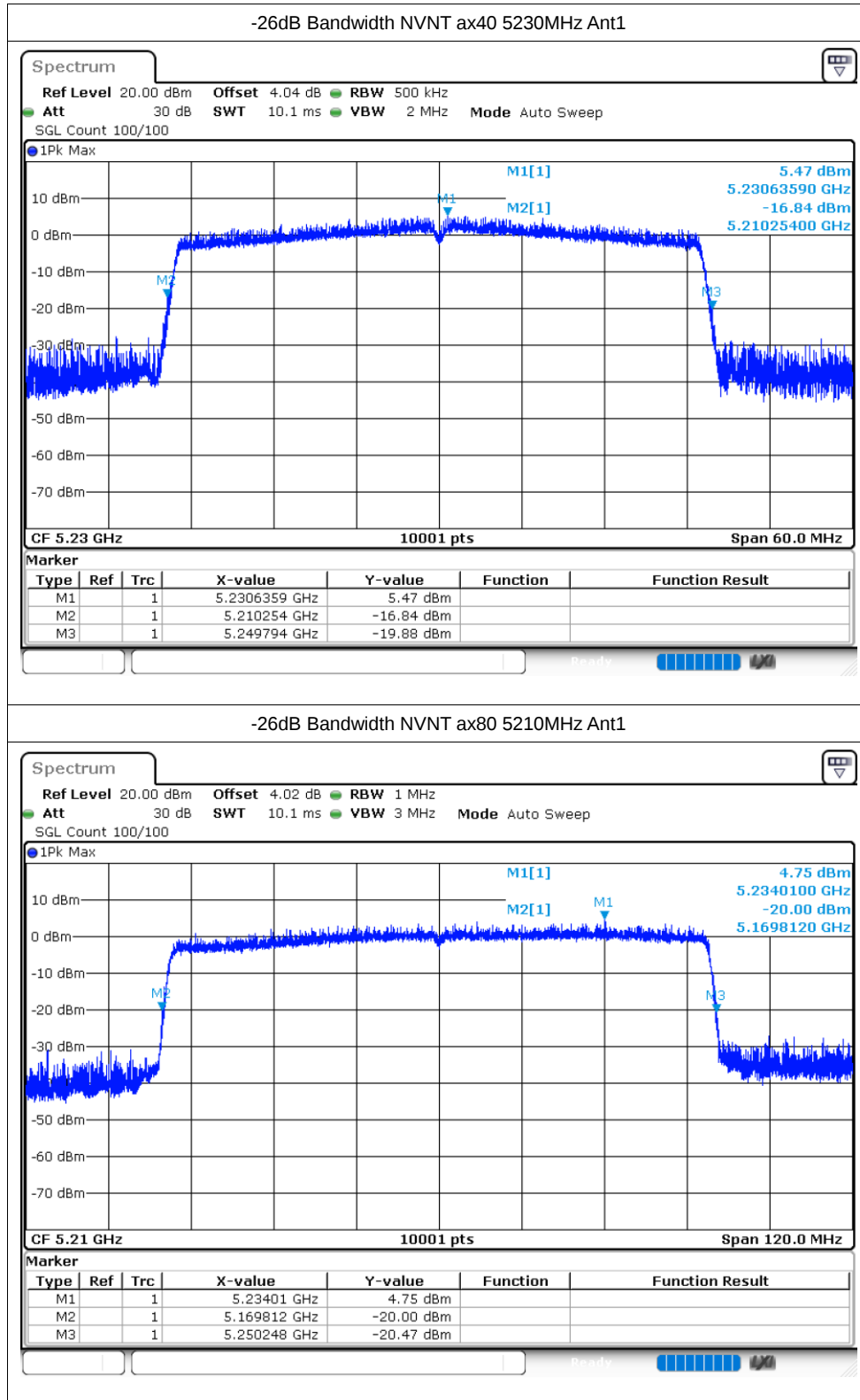










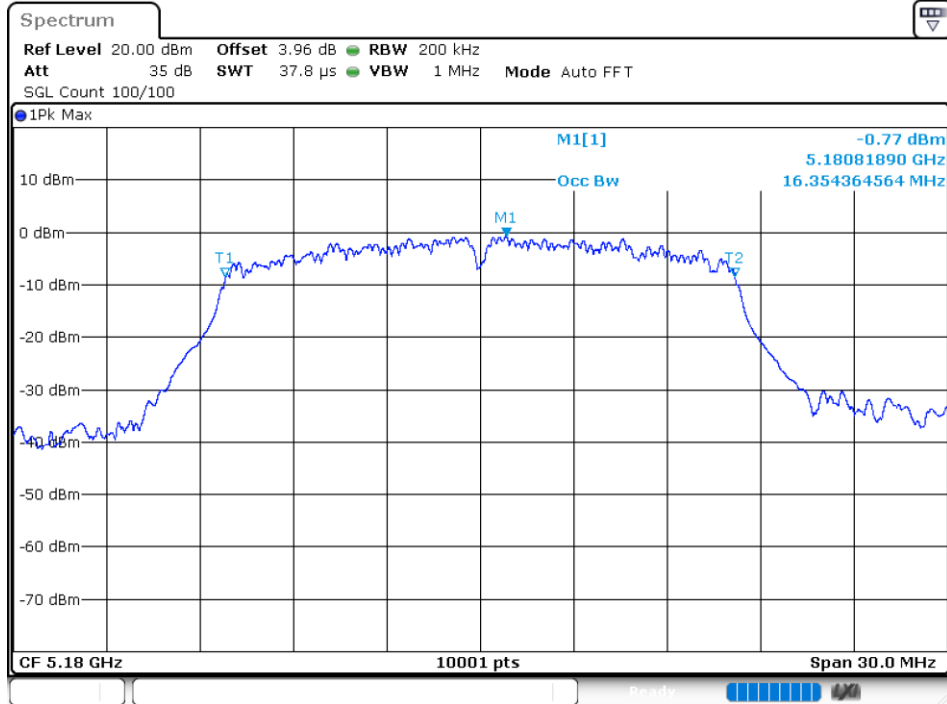


## Occupied Channel Bandwidth

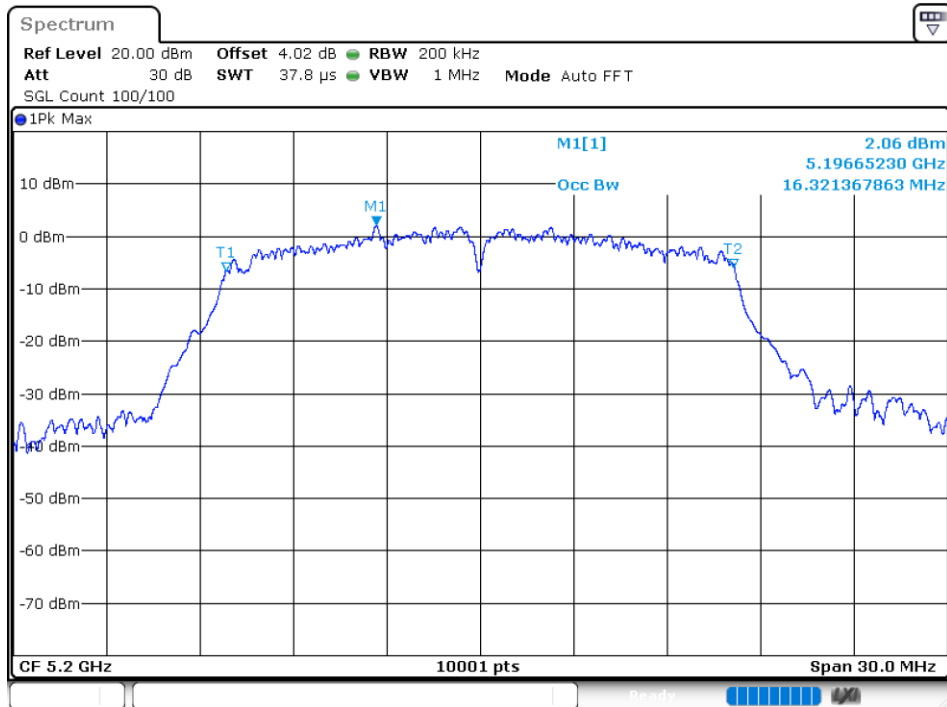
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5180            | Ant1    | 16.354        |
| NVNT      | a    | 5200            | Ant1    | 16.321        |
| NVNT      | a    | 5240            | Ant1    | 16.342        |
| NVNT      | n20  | 5180            | Ant1    | 17.503        |
| NVNT      | n20  | 5200            | Ant1    | 17.47         |
| NVNT      | n20  | 5240            | Ant1    | 17.446        |
| NVNT      | n40  | 5190            | Ant1    | 35.888        |
| NVNT      | n40  | 5230            | Ant1    | 35.852        |
| NVNT      | ac20 | 5180            | Ant1    | 17.428        |
| NVNT      | ac20 | 5200            | Ant1    | 17.428        |
| NVNT      | ac20 | 5240            | Ant1    | 17.509        |
| NVNT      | ac40 | 5190            | Ant1    | 35.876        |
| NVNT      | ac40 | 5230            | Ant1    | 35.876        |
| NVNT      | ac80 | 5210            | Ant1    | 75.304        |
| NVNT      | ax20 | 5180            | Ant1    | 18.709        |
| NVNT      | ax20 | 5200            | Ant1    | 18.652        |
| NVNT      | ax20 | 5240            | Ant1    | 18.709        |
| NVNT      | ax40 | 5190            | Ant1    | 37.442        |
| NVNT      | ax40 | 5230            | Ant1    | 37.442        |
| NVNT      | ax80 | 5210            | Ant1    | 76.936        |

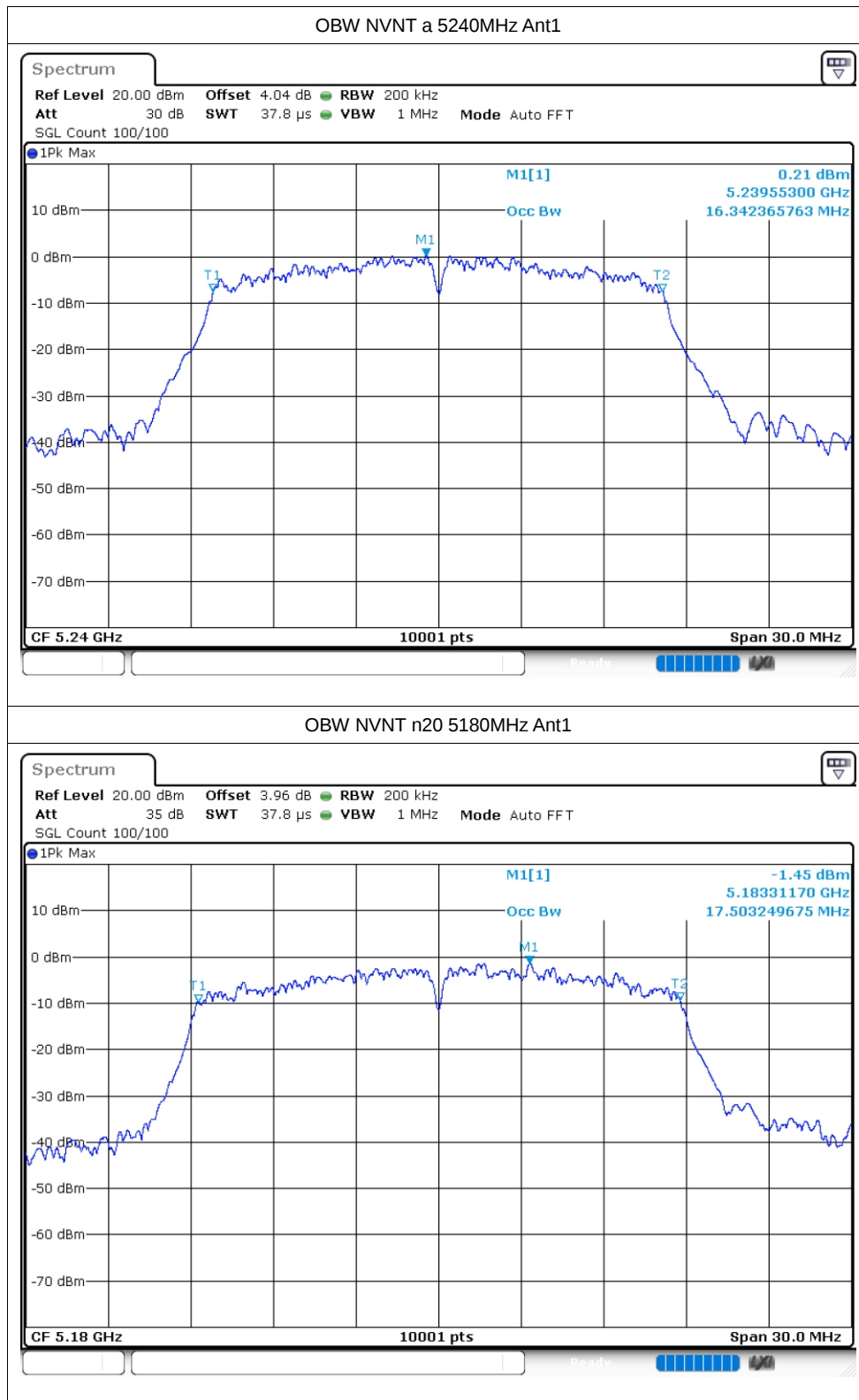
Test Graphs

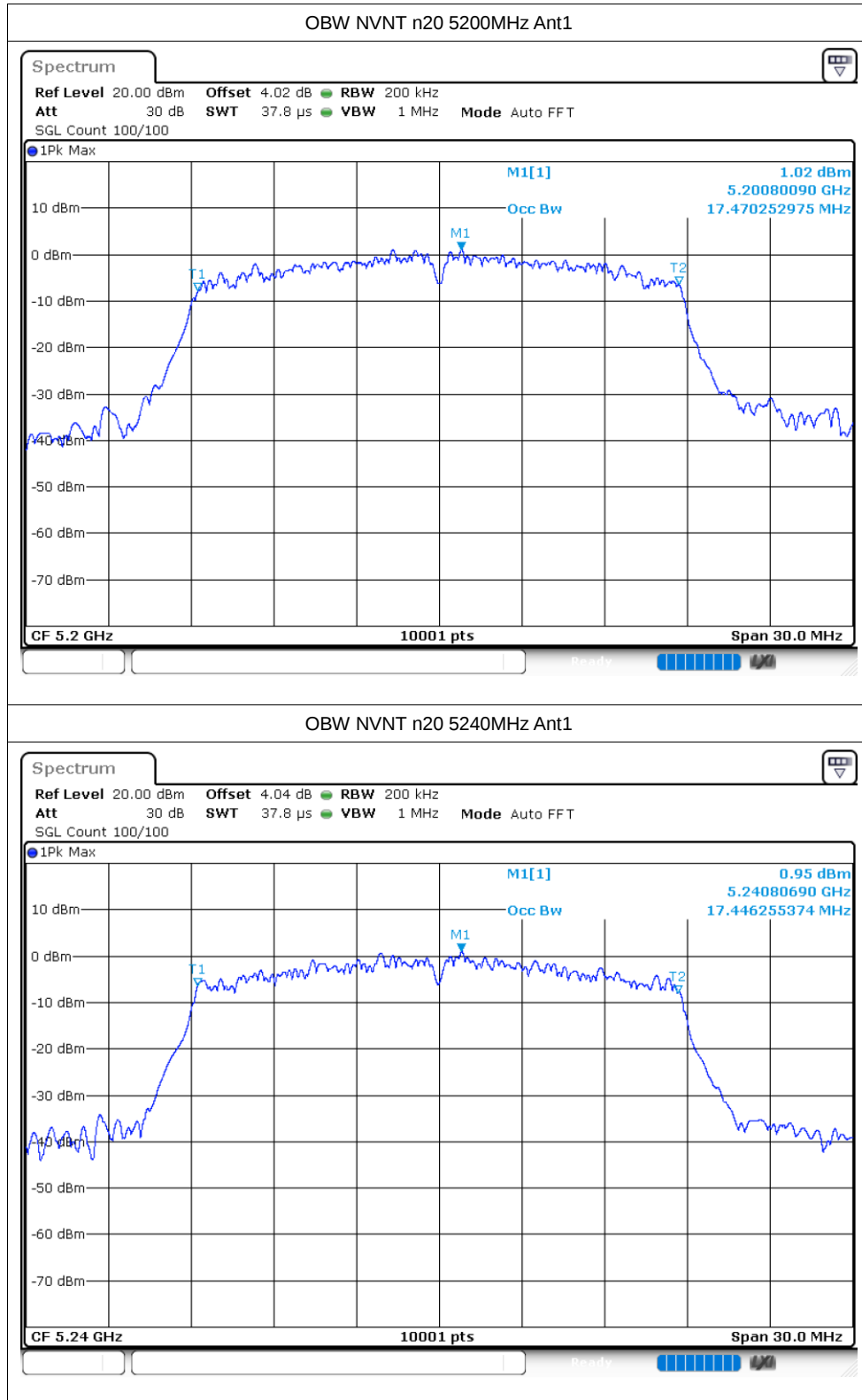
OBW NVNT a 5180MHz Ant1

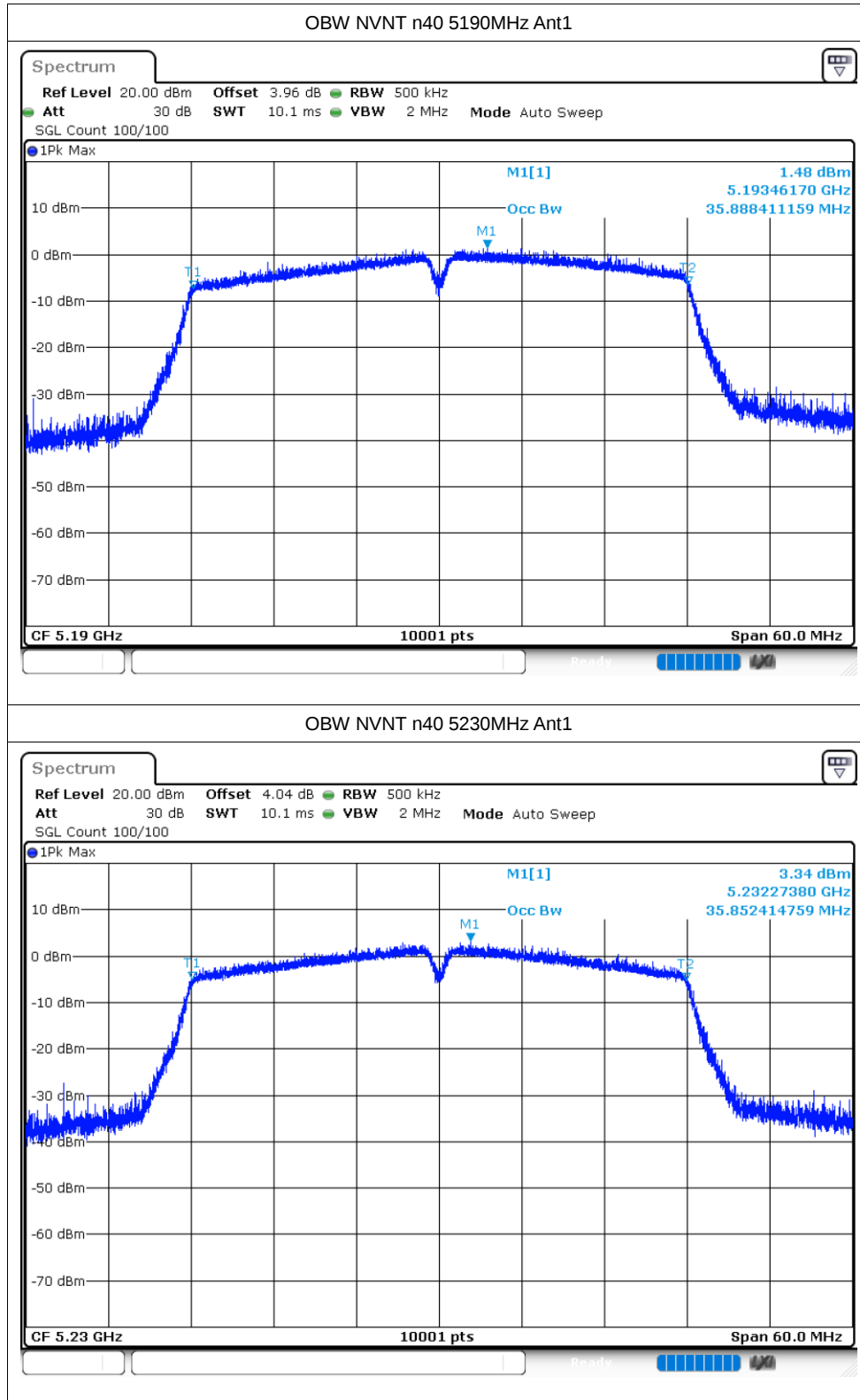


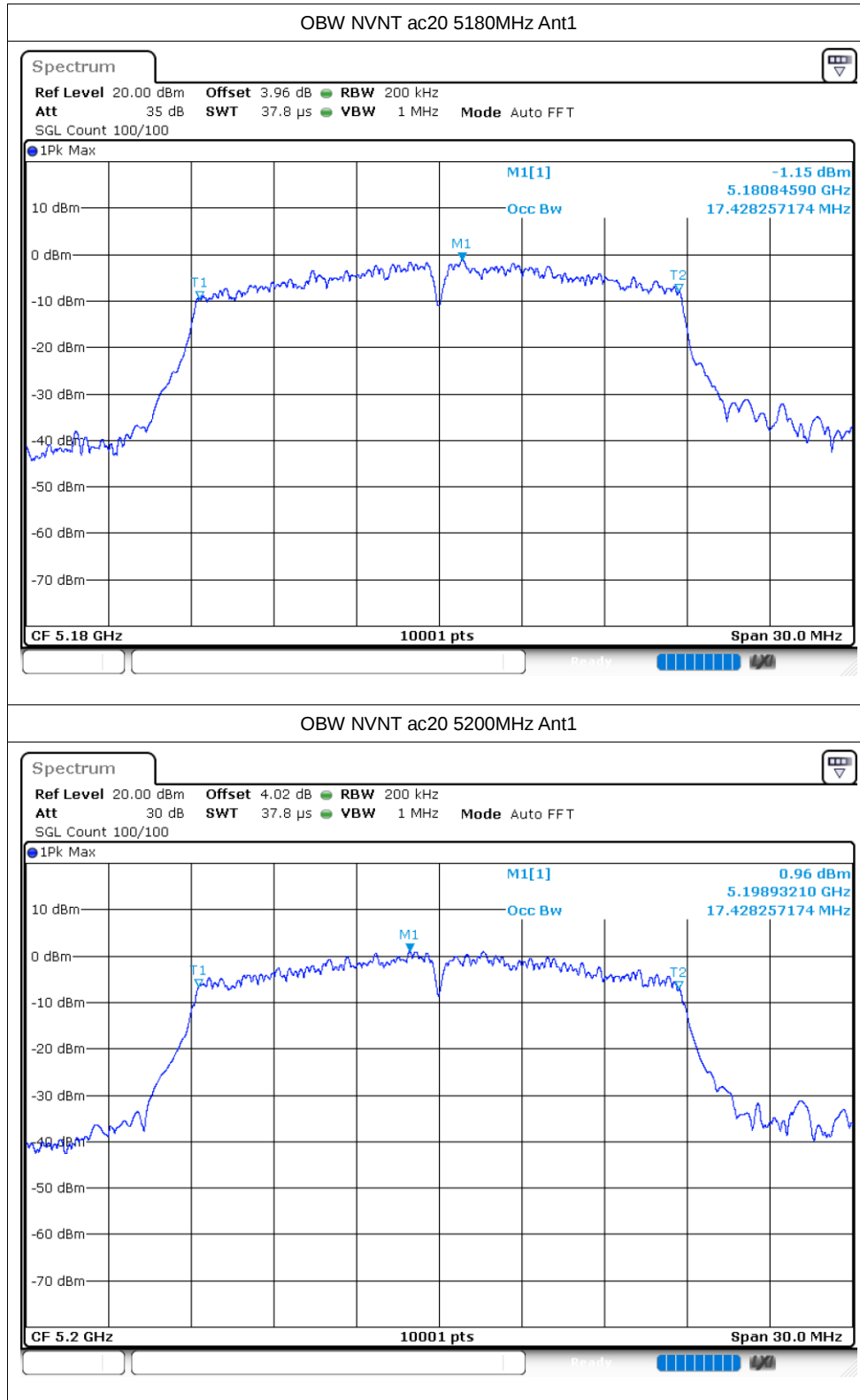
OBW NVNT a 5200MHz Ant1

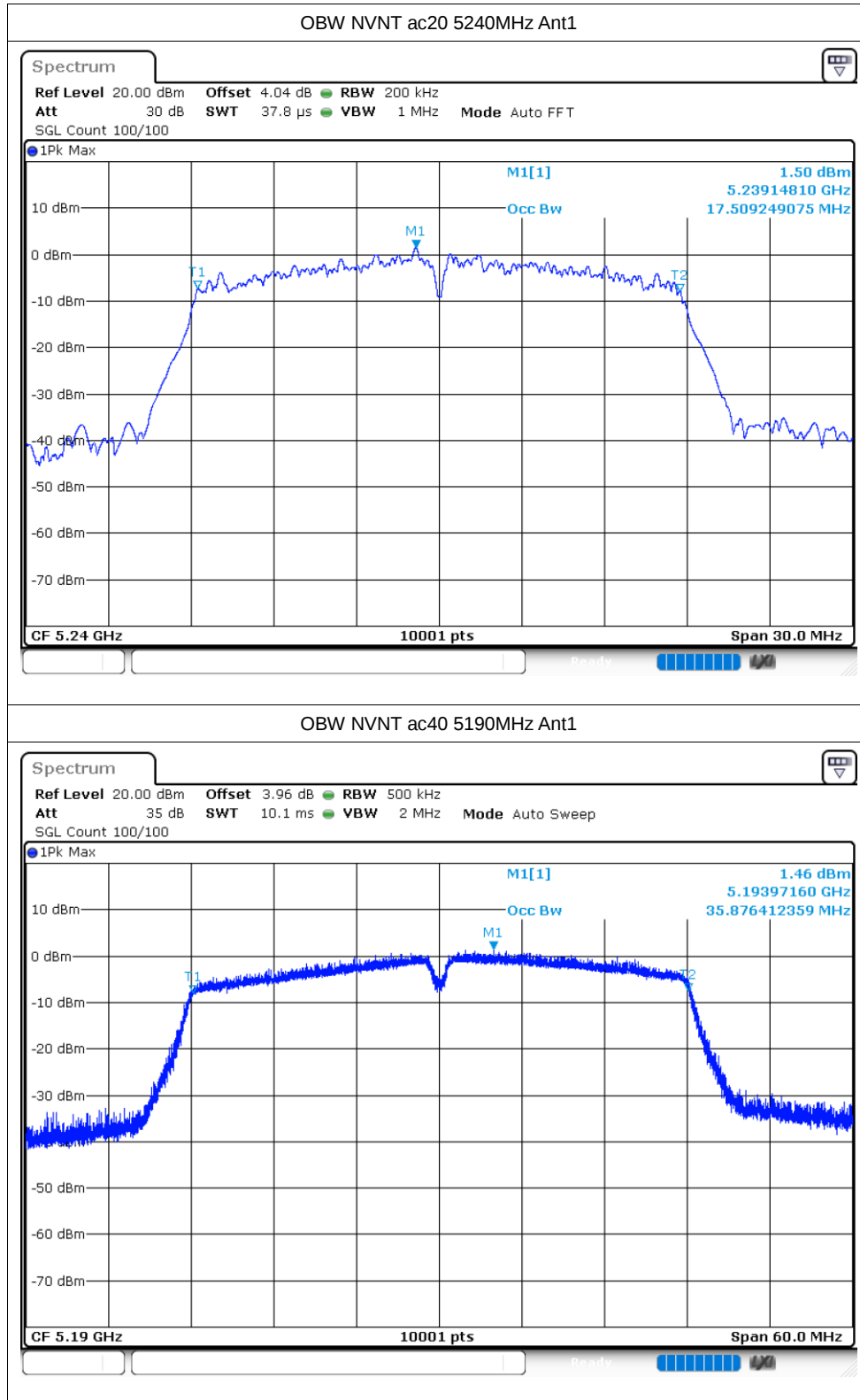


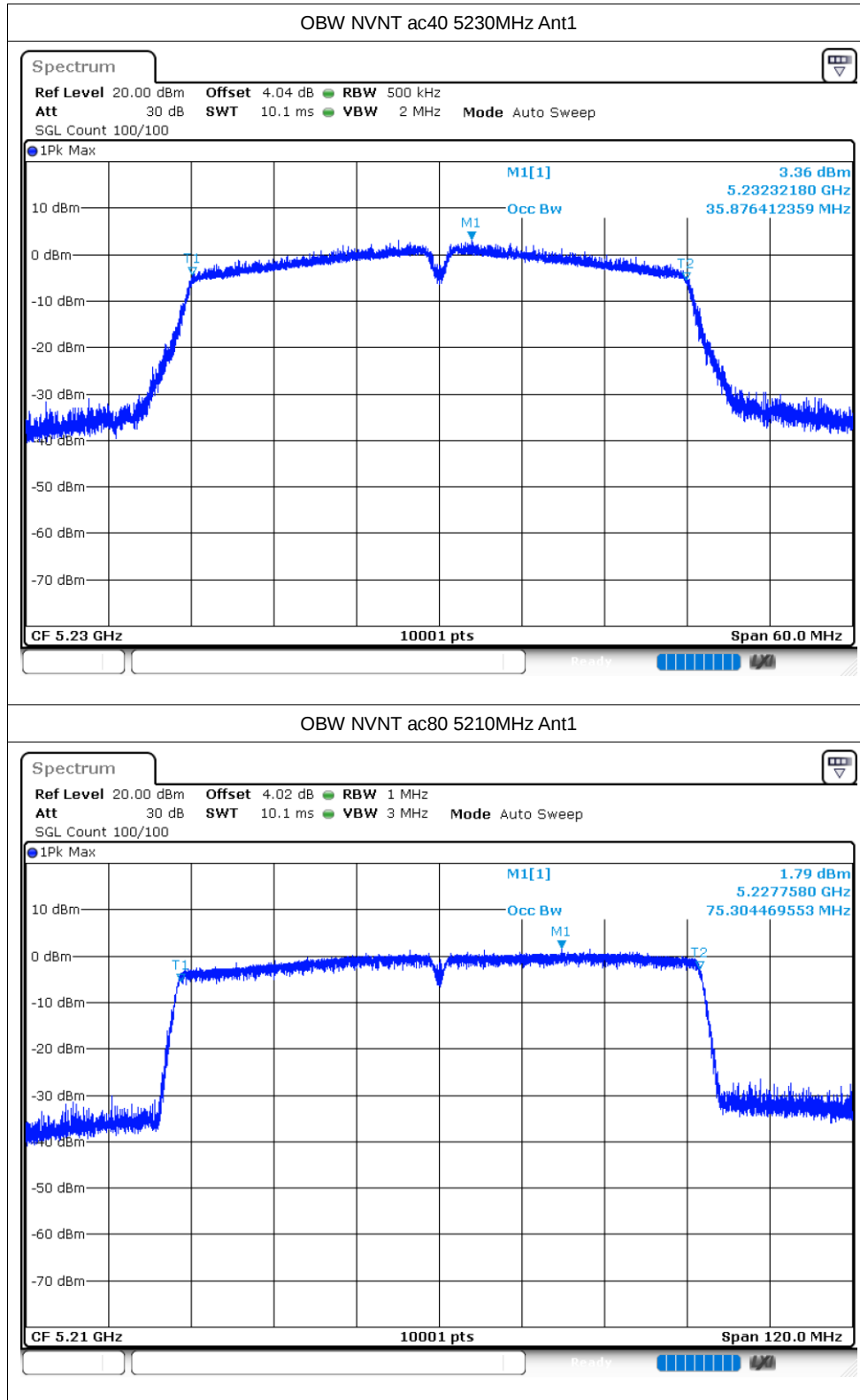


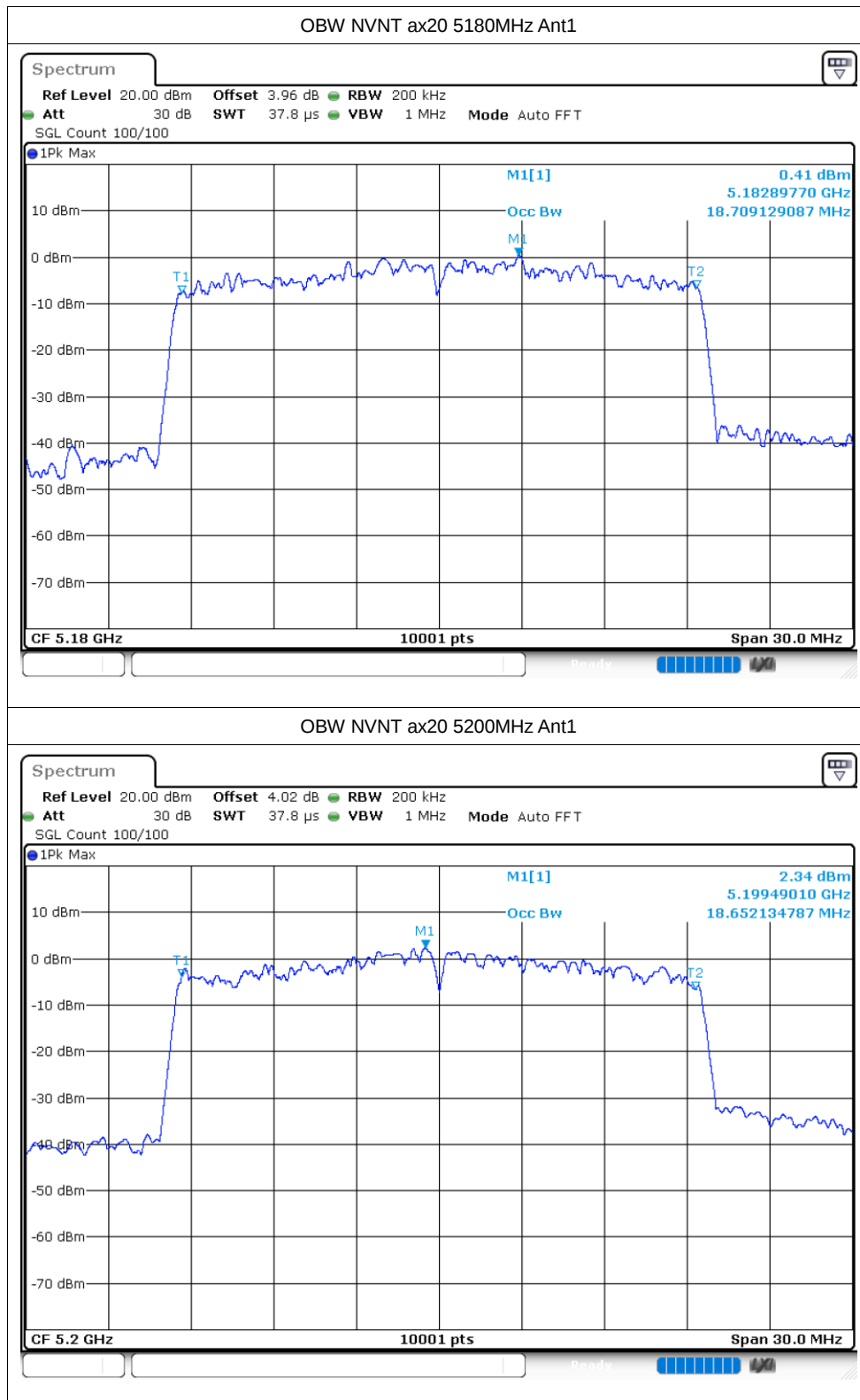


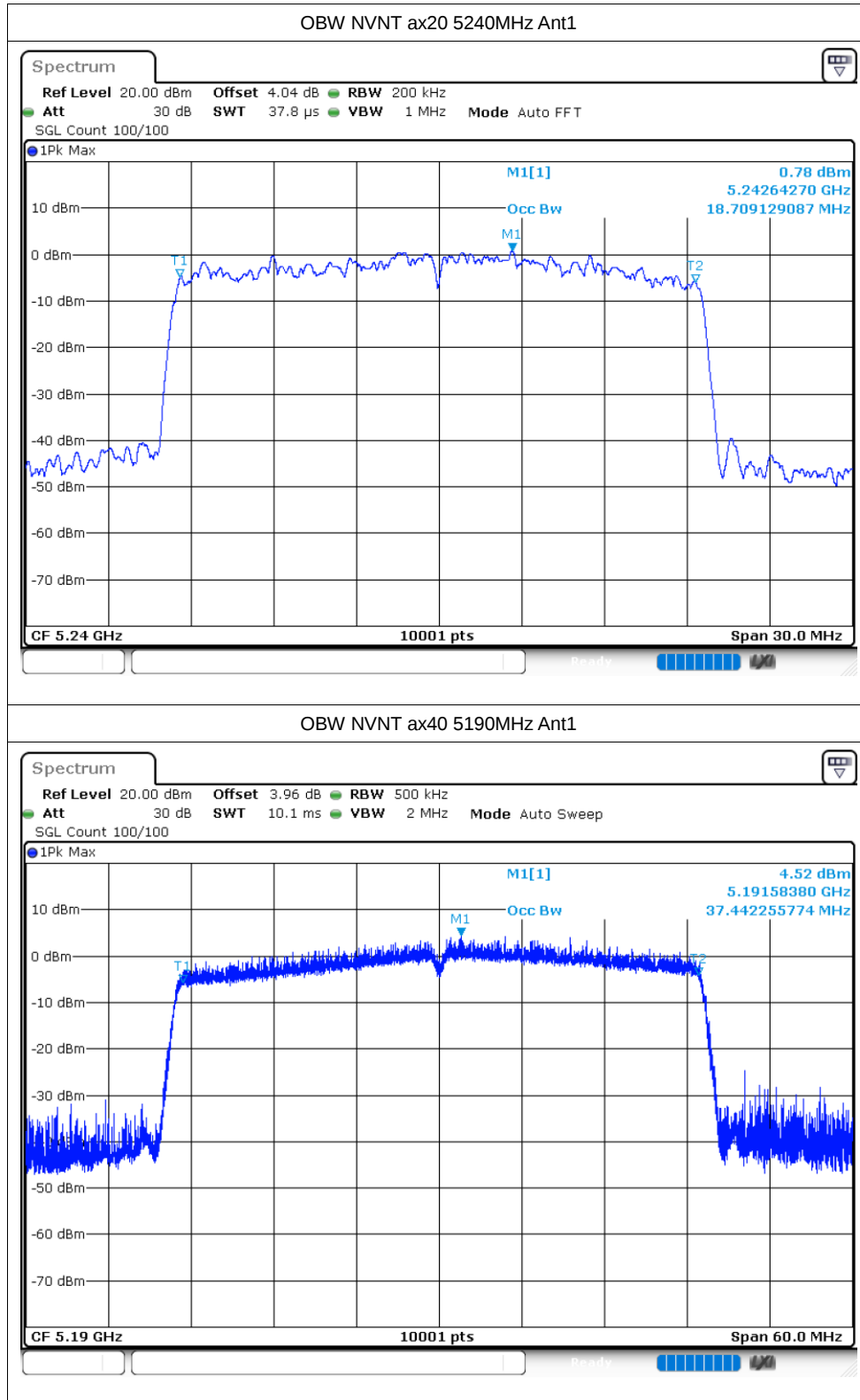


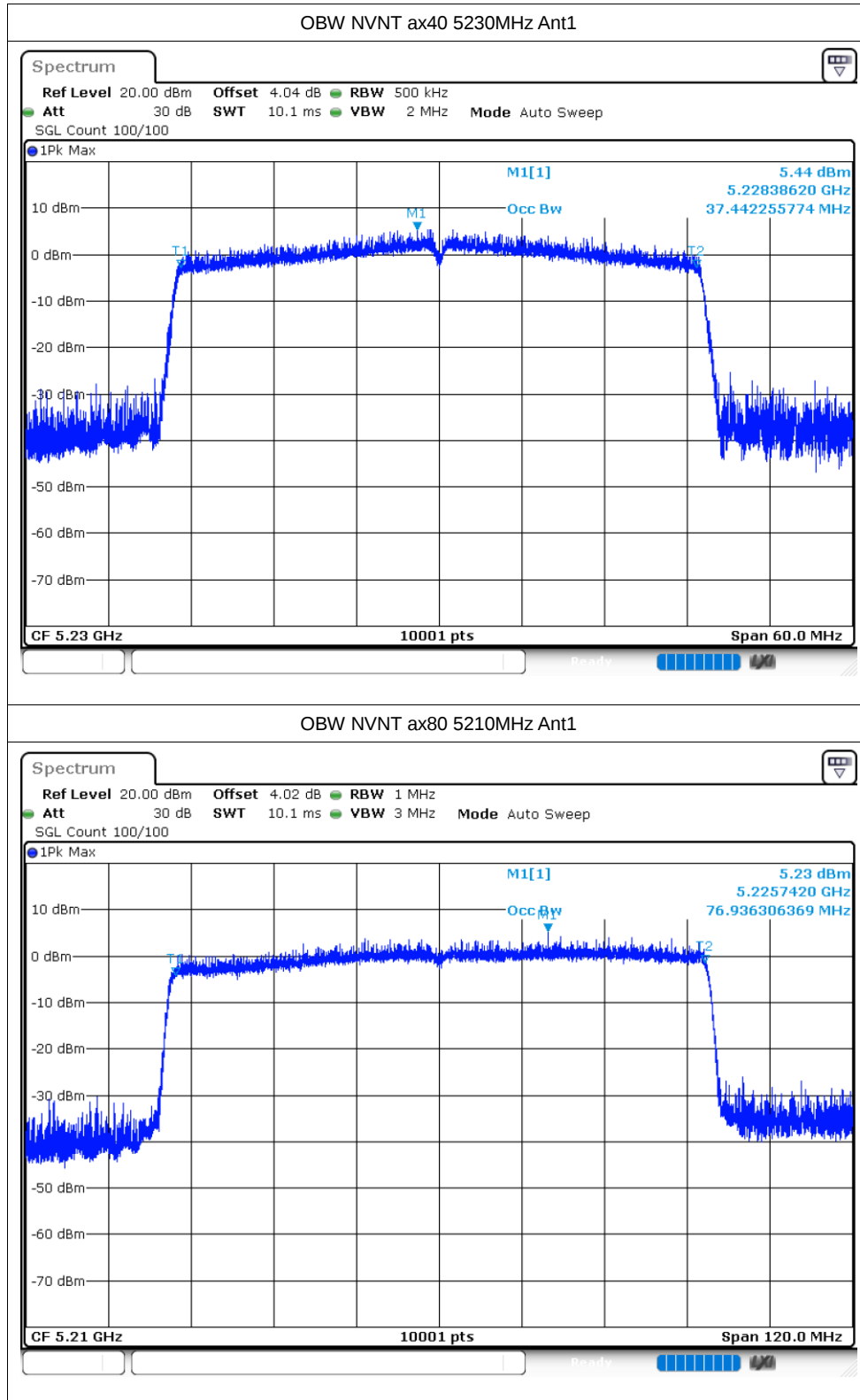










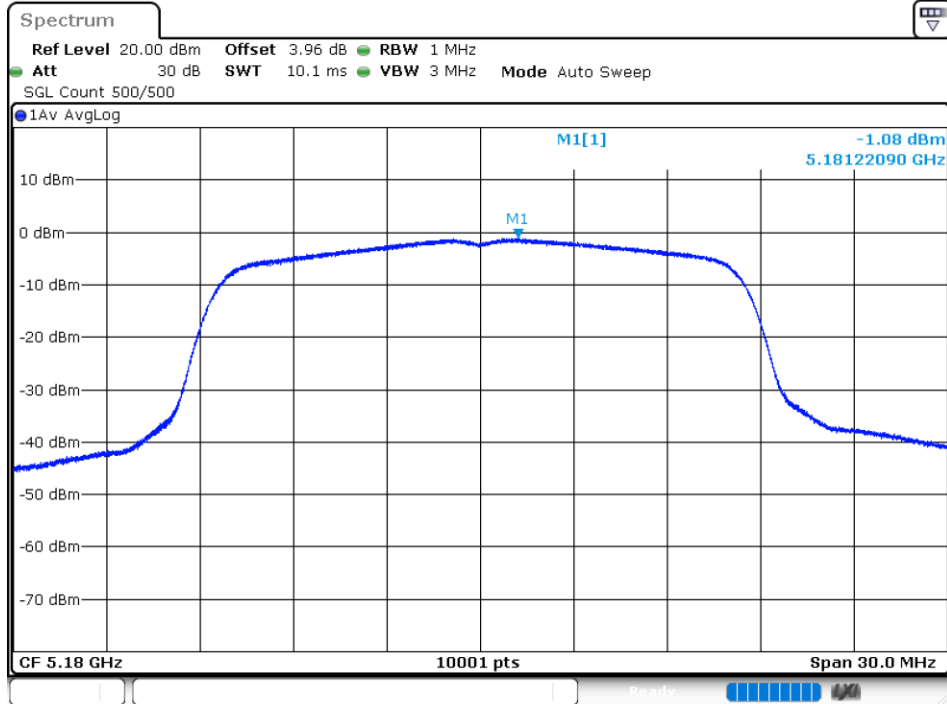


## Maximum Power Spectral Density Level

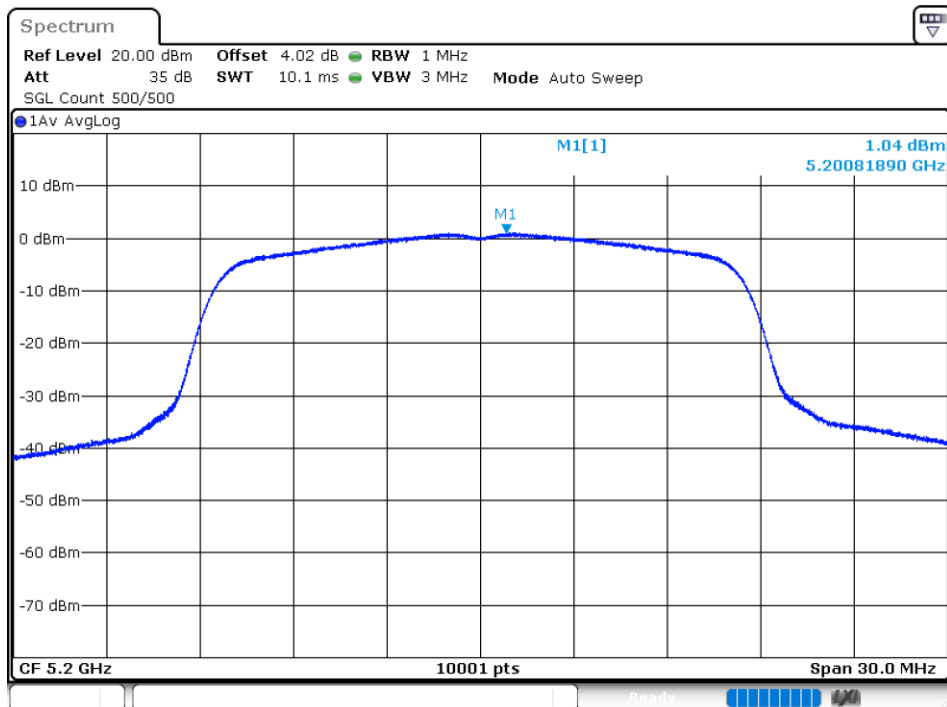
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------------|-------------|---------|
| NVNT      | a    | 5180            | Ant1    | -1.08               | 11          | Pass    |
| NVNT      | a    | 5200            | Ant1    | 1.04                | 11          | Pass    |
| NVNT      | a    | 5240            | Ant1    | -0.47               | 11          | Pass    |
| NVNT      | n20  | 5180            | Ant1    | -2.37               | 11          | Pass    |
| NVNT      | n20  | 5200            | Ant1    | -0.12               | 11          | Pass    |
| NVNT      | n20  | 5240            | Ant1    | -0.76               | 11          | Pass    |
| NVNT      | n40  | 5190            | Ant1    | -4.81               | 11          | Pass    |
| NVNT      | n40  | 5230            | Ant1    | -3.26               | 11          | Pass    |
| NVNT      | ac20 | 5180            | Ant1    | -1.68               | 11          | Pass    |
| NVNT      | ac20 | 5200            | Ant1    | 0.42                | 11          | Pass    |
| NVNT      | ac20 | 5240            | Ant1    | -0.26               | 11          | Pass    |
| NVNT      | ac40 | 5190            | Ant1    | -4.89               | 11          | Pass    |
| NVNT      | ac40 | 5230            | Ant1    | -3.49               | 11          | Pass    |
| NVNT      | ac80 | 5210            | Ant1    | -8.88               | 11          | Pass    |
| NVNT      | ax20 | 5180            | Ant1    | -2.42               | 11          | Pass    |
| NVNT      | ax20 | 5200            | Ant1    | -0.22               | 11          | Pass    |
| NVNT      | ax20 | 5240            | Ant1    | -1                  | 11          | Pass    |
| NVNT      | ax40 | 5190            | Ant1    | -4.97               | 11          | Pass    |
| NVNT      | ax40 | 5230            | Ant1    | -3.48               | 11          | Pass    |
| NVNT      | ax80 | 5210            | Ant1    | -8.55               | 11          | Pass    |

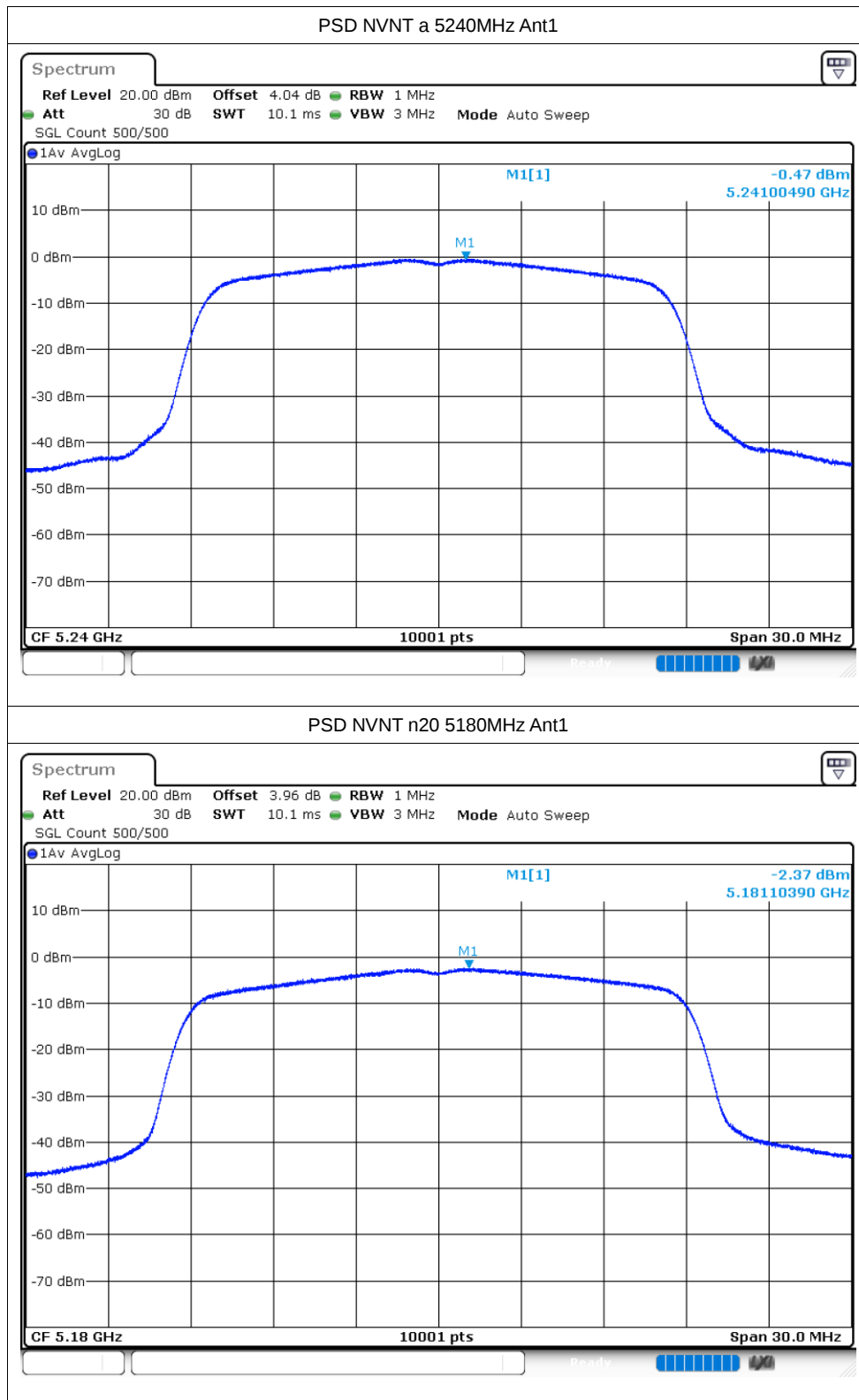
Test Graphs

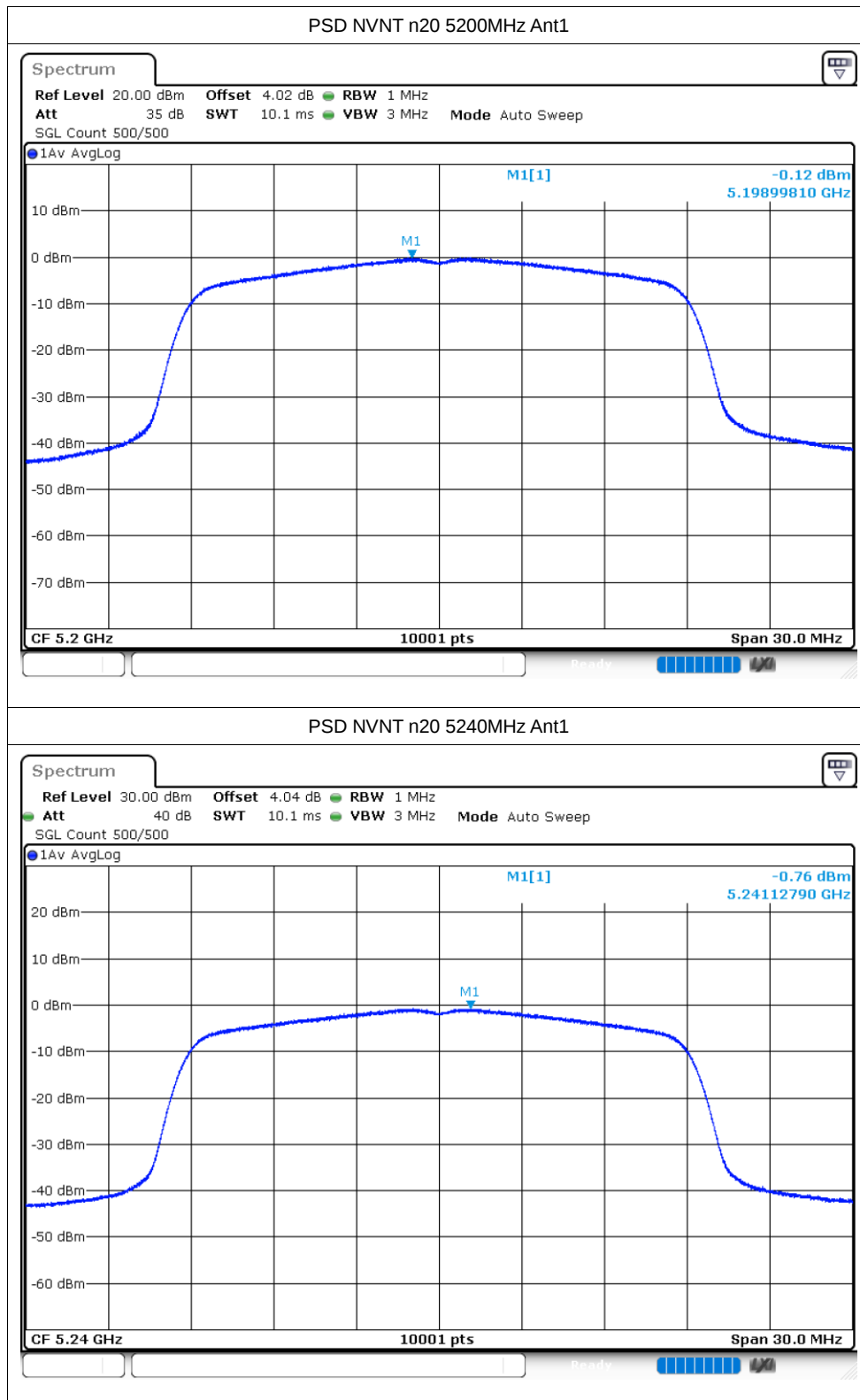
PSD NVNT a 5180MHz Ant1

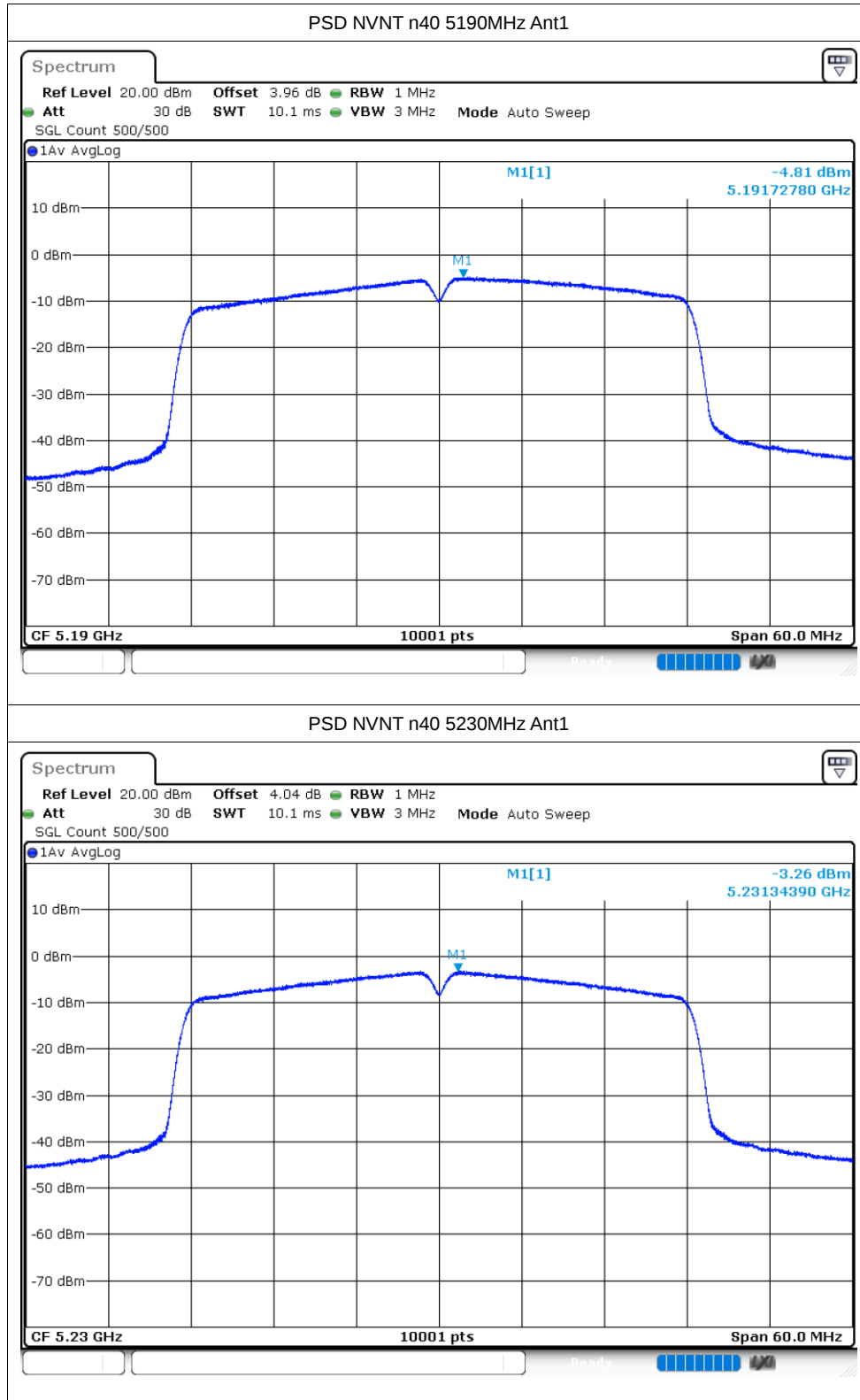


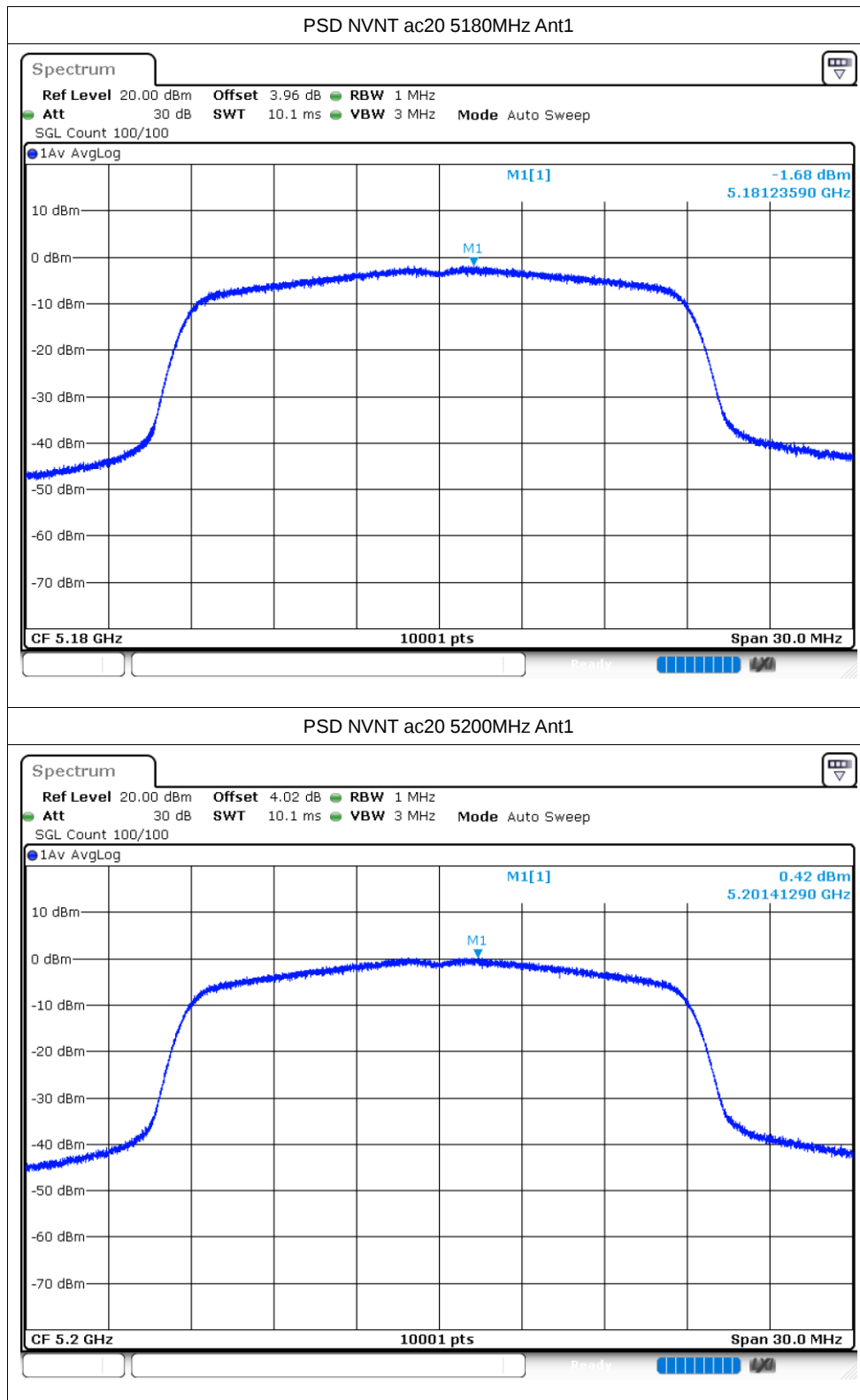
PSD NVNT a 5200MHz Ant1

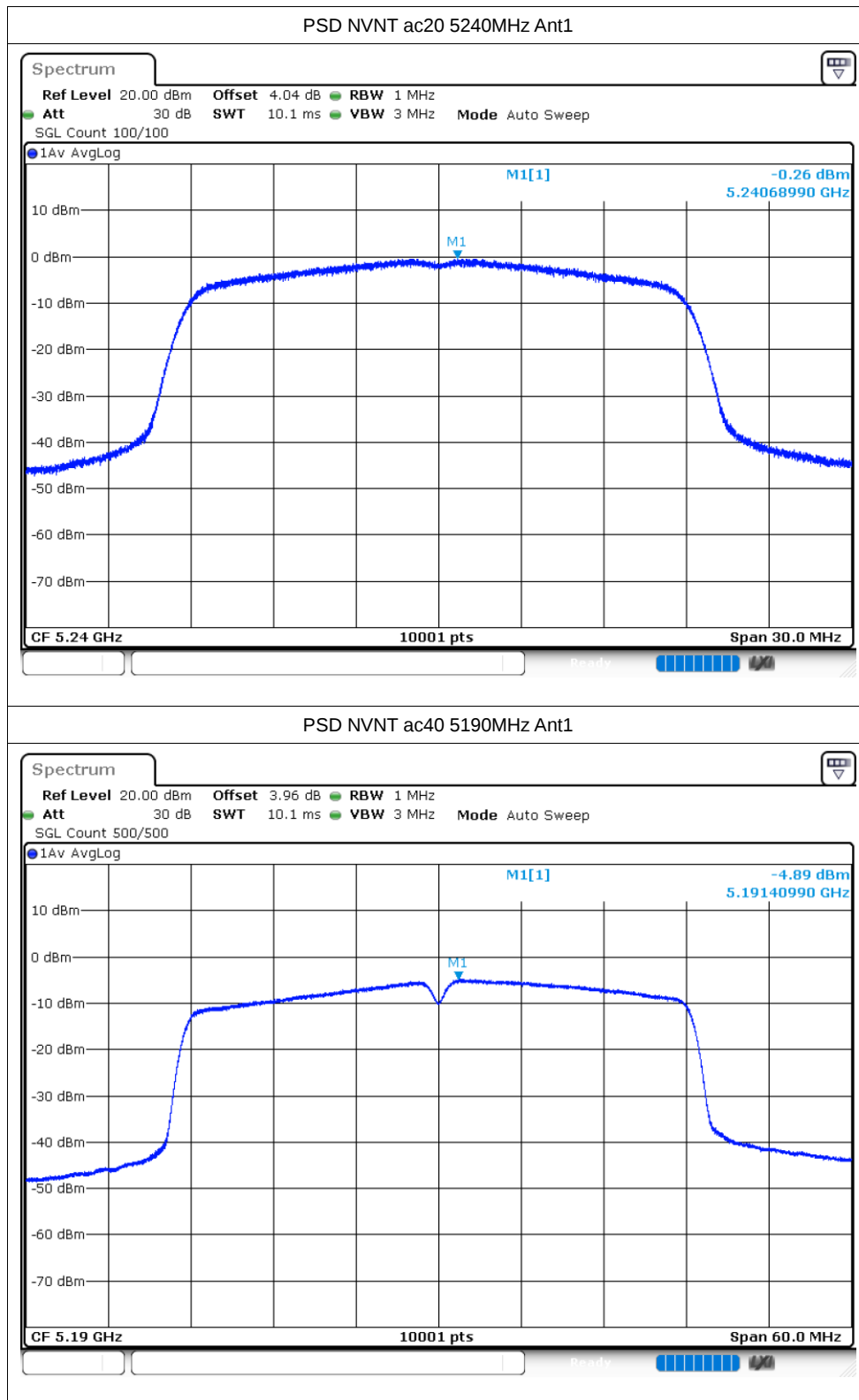


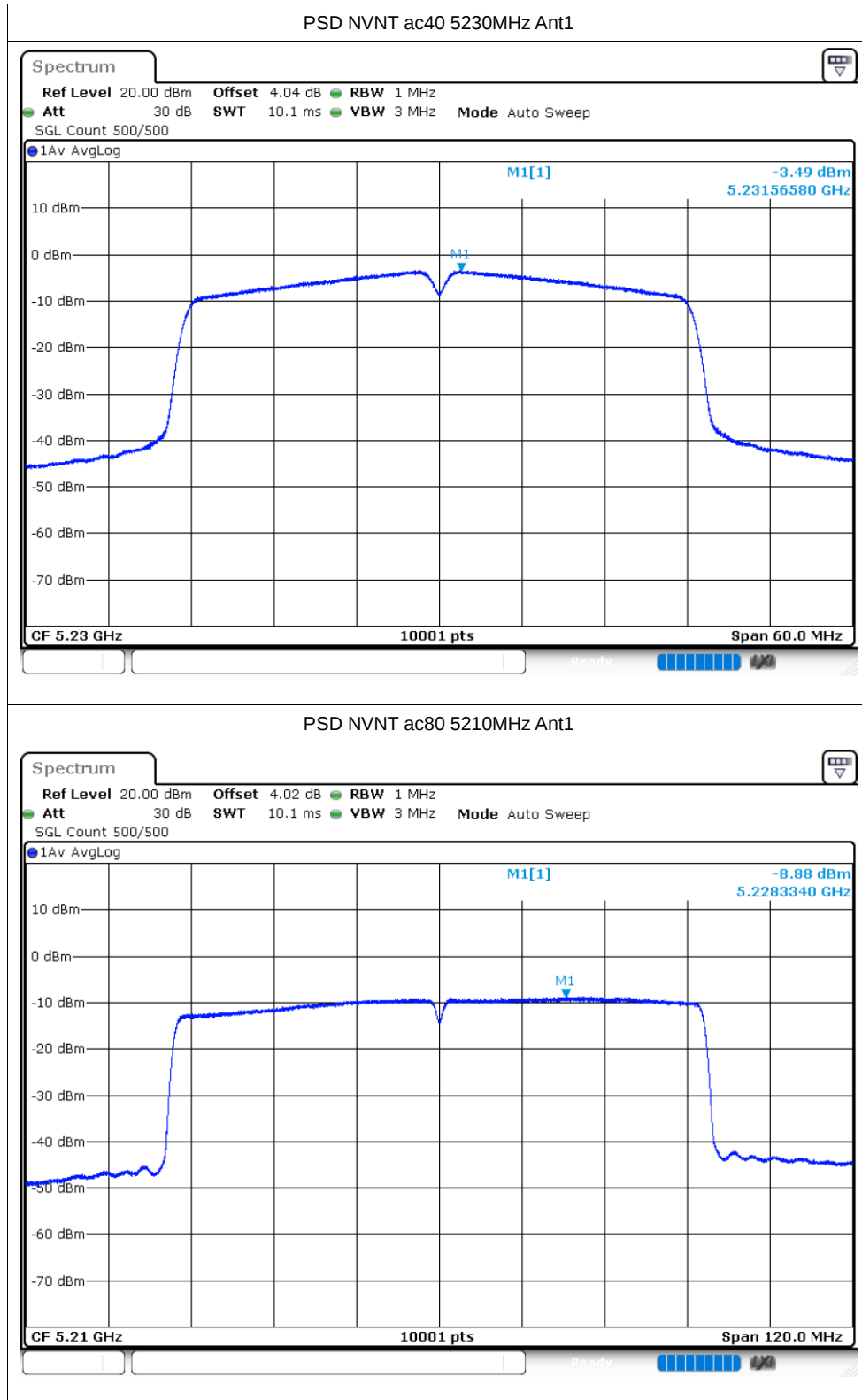


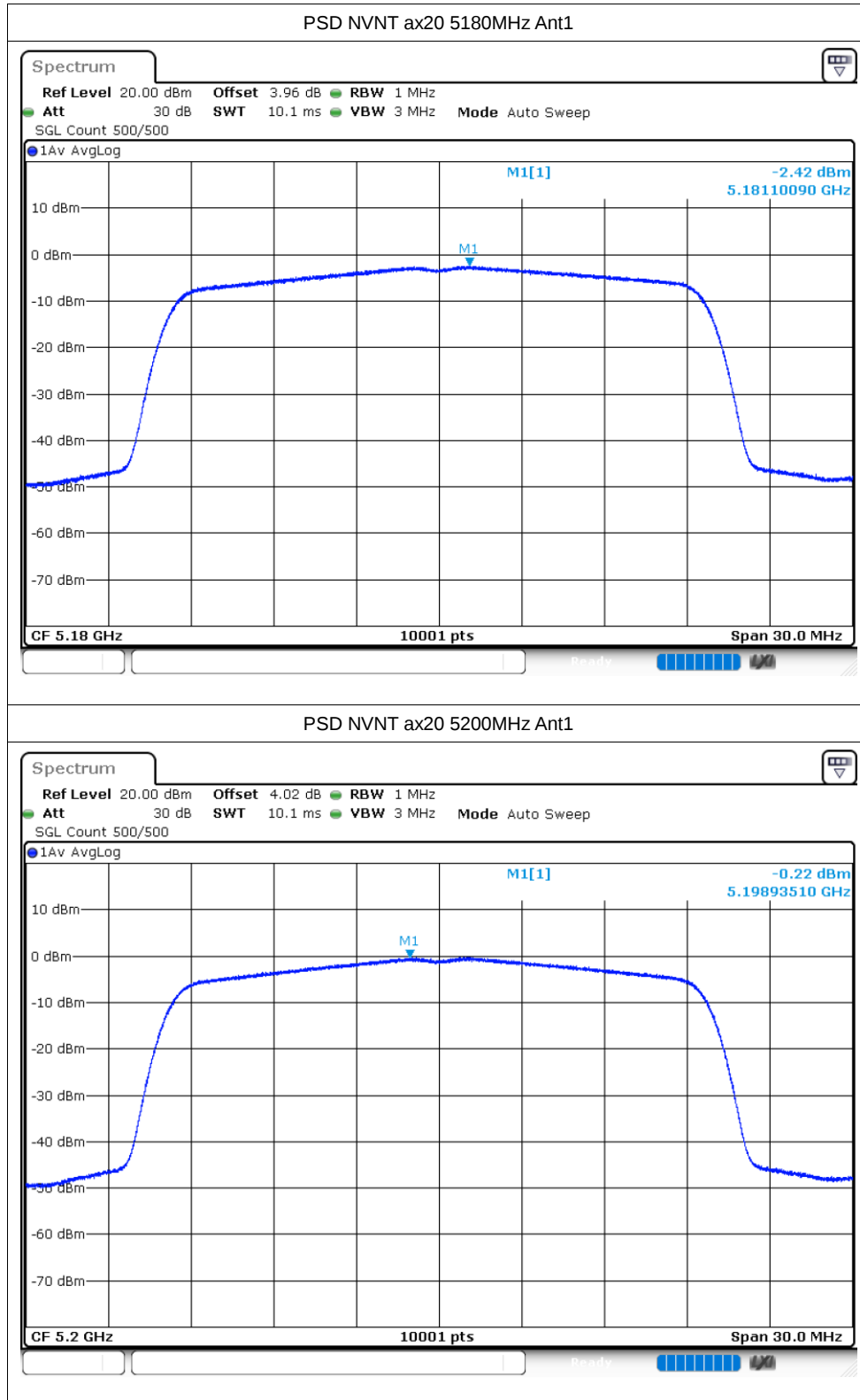


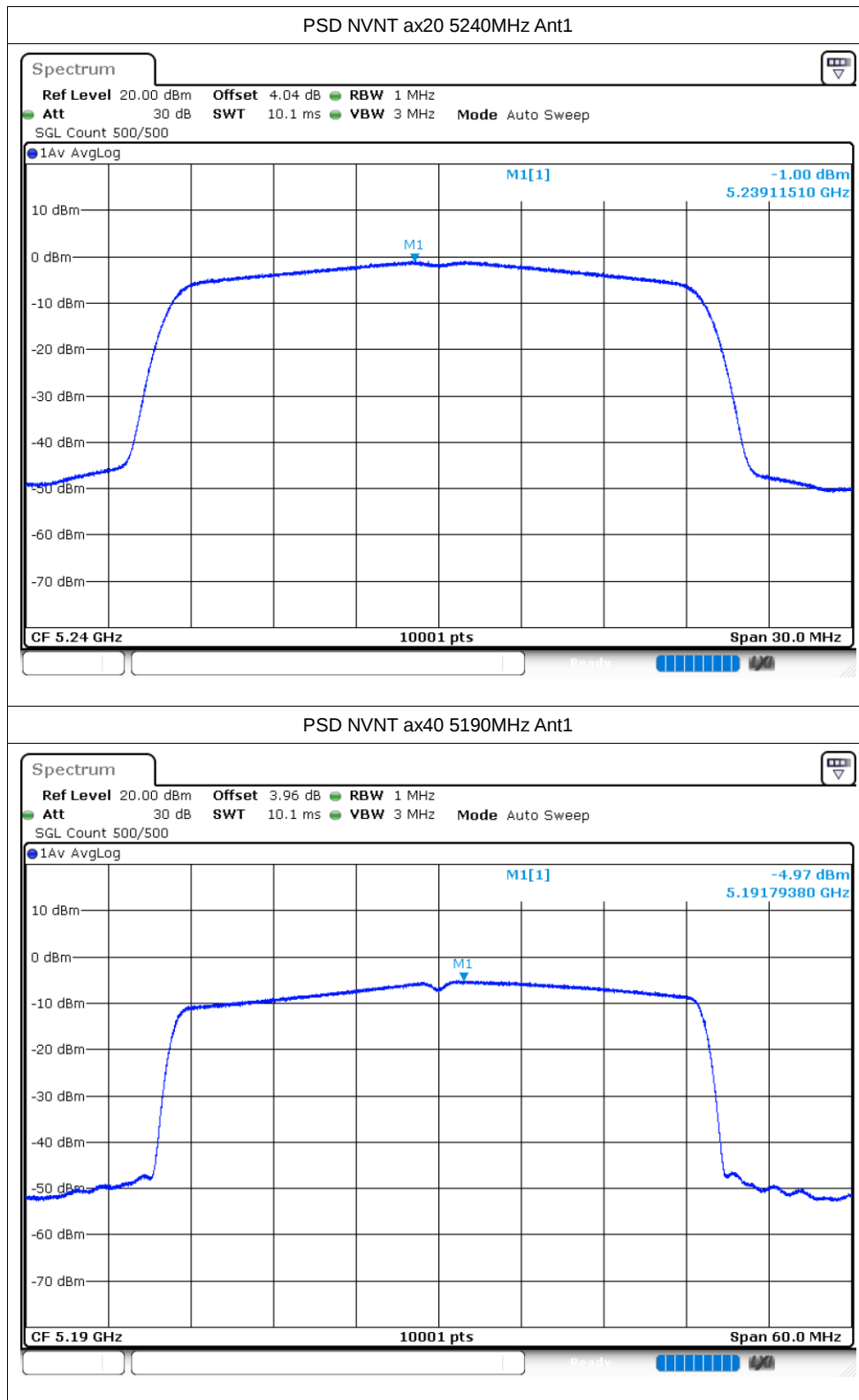


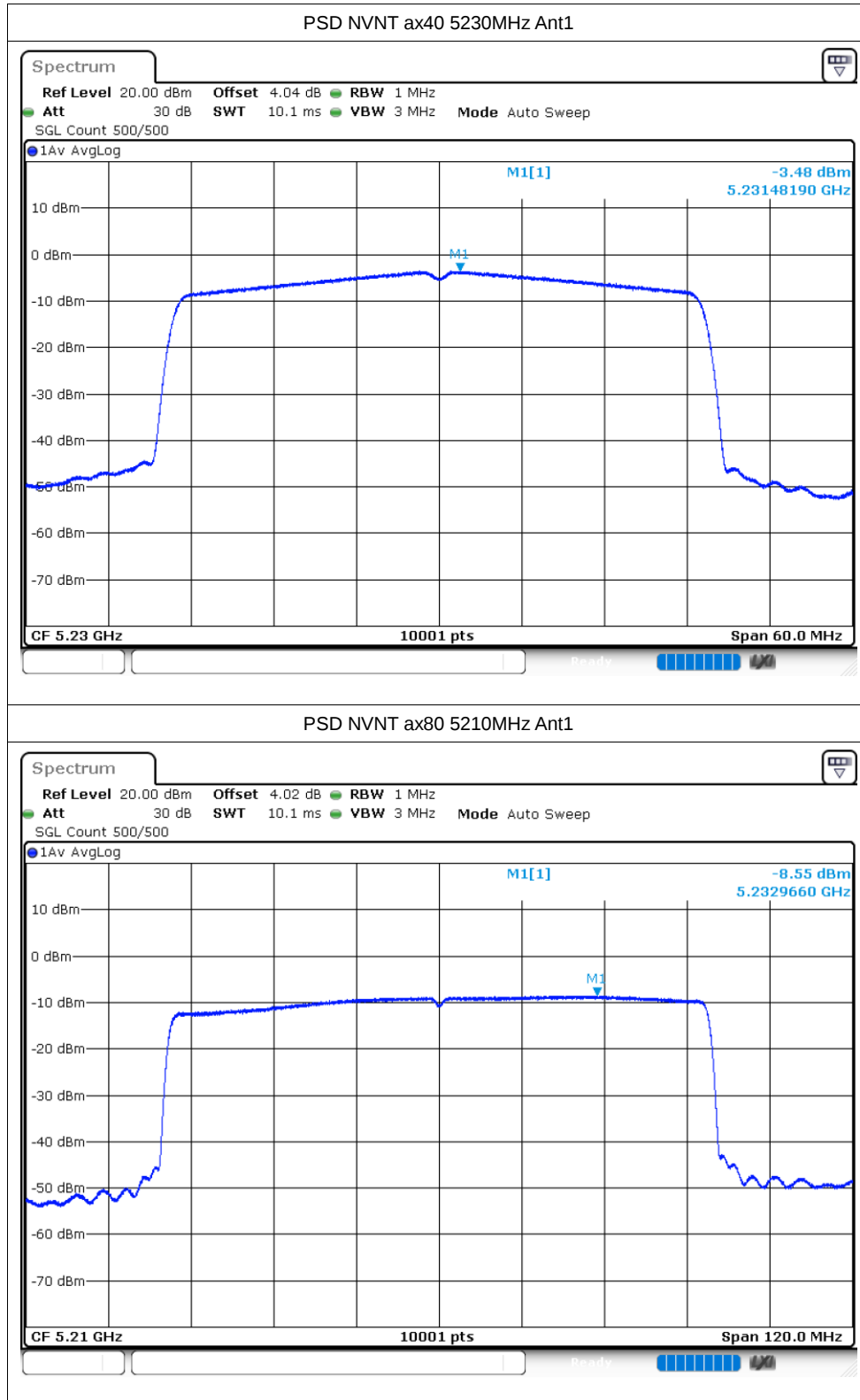












## Band Edge

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a    | 5180            | Ant1    | -39.27          | -27         | Pass    |
| NVNT      | a    | 5240            | Ant1    | -42.3           | -27         | Pass    |
| NVNT      | n20  | 5180            | Ant1    | -39.22          | -27         | Pass    |
| NVNT      | n20  | 5240            | Ant1    | -40.18          | -27         | Pass    |
| NVNT      | n40  | 5190            | Ant1    | -38.83          | -27         | Pass    |
| NVNT      | n40  | 5230            | Ant1    | -39.86          | -27         | Pass    |
| NVNT      | ac20 | 5180            | Ant1    | -37.89          | -27         | Pass    |
| NVNT      | ac20 | 5240            | Ant1    | -39.73          | -27         | Pass    |
| NVNT      | ac40 | 5190            | Ant1    | -35.77          | -27         | Pass    |
| NVNT      | ac40 | 5230            | Ant1    | -39.85          | -27         | Pass    |
| NVNT      | ac80 | 5210            | Ant1    | -39.49          | -27         | Pass    |
| NVNT      | ax20 | 5180            | Ant1    | -36.67          | -27         | Pass    |
| NVNT      | ax20 | 5240            | Ant1    | -39.69          | -27         | Pass    |
| NVNT      | ax40 | 5190            | Ant1    | -31.29          | -27         | Pass    |
| NVNT      | ax40 | 5230            | Ant1    | -40.45          | -27         | Pass    |
| NVNT      | ax80 | 5210            | Ant1    | -40.15          | -27         | Pass    |