

## 5.2G:

### Duty Cycle

| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5180            | Ant1    | 67.24          | 1.72                   | 0.49      |
| NVNT      | a    | 5200            | Ant1    | 66.74          | 1.76                   | 0.49      |
| NVNT      | a    | 5240            | Ant1    | 67.18          | 1.73                   | 0.49      |
| NVNT      | n20  | 5180            | Ant1    | 86.86          | 0.61                   | 0.15      |
| NVNT      | n20  | 5200            | Ant1    | 86.34          | 0.64                   | 0.15      |
| NVNT      | n20  | 5240            | Ant1    | 86.84          | 0.61                   | 0.15      |
| NVNT      | n40  | 5190            | Ant1    | 76.73          | 1.15                   | 0.3       |
| NVNT      | n40  | 5230            | Ant1    | 76.71          | 1.15                   | 0.3       |
| NVNT      | ac20 | 5180            | Ant1    | 65.43          | 1.84                   | 0.53      |
| NVNT      | ac20 | 5200            | Ant1    | 65.44          | 1.84                   | 0.53      |
| NVNT      | ac20 | 5240            | Ant1    | 65.76          | 1.82                   | 0.53      |
| NVNT      | ac40 | 5190            | Ant1    | 77             | 1.13                   | 0.2       |
| NVNT      | ac40 | 5230            | Ant1    | 76.19          | 1.18                   | 0.2       |
| NVNT      | ac80 | 5210            | Ant1    | 75.47          | 1.22                   | 0.22      |
| NVNT      | ax20 | 5180            | Ant1    | 77.35          | 1.12                   | 0.19      |
| NVNT      | ax20 | 5200            | Ant1    | 76.94          | 1.14                   | 0.19      |
| NVNT      | ax20 | 5240            | Ant1    | 77.34          | 1.12                   | 0.19      |
| NVNT      | ax40 | 5190            | Ant1    | 71.31          | 1.47                   | 0.26      |
| NVNT      | ax40 | 5230            | Ant1    | 72.06          | 1.42                   | 0.26      |
| NVNT      | ax80 | 5210            | Ant1    | 71.16          | 1.48                   | 0.27      |

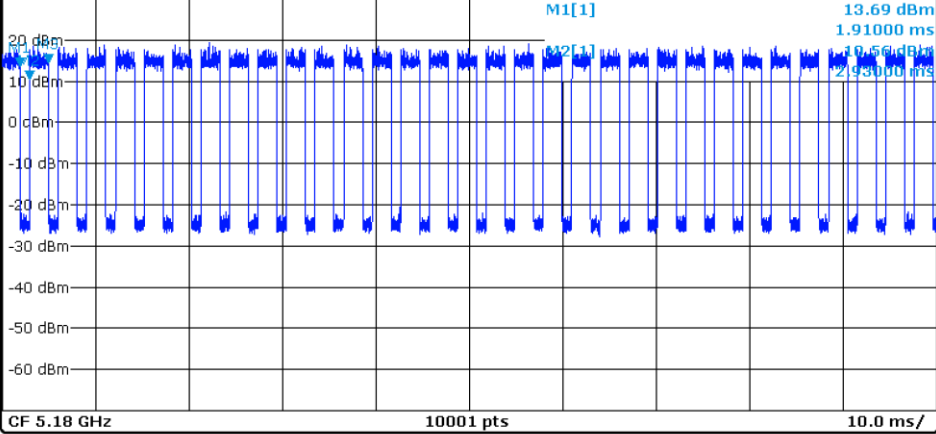
# Test Graphs

## Duty Cycle NVNT a 5180MHz Ant1

### Spectrum

Ref Level 30.00 dBm Offset 3.96 dB RBW 10 MHz  
Att 40 dB SWT 100 ms VBW 10 MHz  
SGL

1Pk Clrw



### Marker

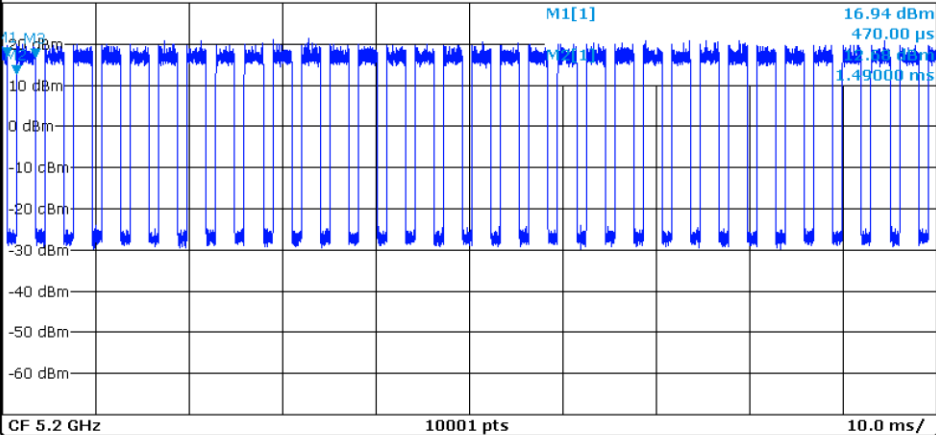
| Type | Ref | Trc | X-value | Y-value   | Function | Function Result |
|------|-----|-----|---------|-----------|----------|-----------------|
| M1   | 1   | 1   | 1.91 ms | 13.69 dBm |          |                 |
| M2   | 1   | 1   | 2.93 ms | 10.56 dBm |          |                 |
| M3   | 1   | 1   | 4.96 ms | 14.58 dBm |          |                 |

## Duty Cycle NVNT a 5200MHz Ant1

### Spectrum

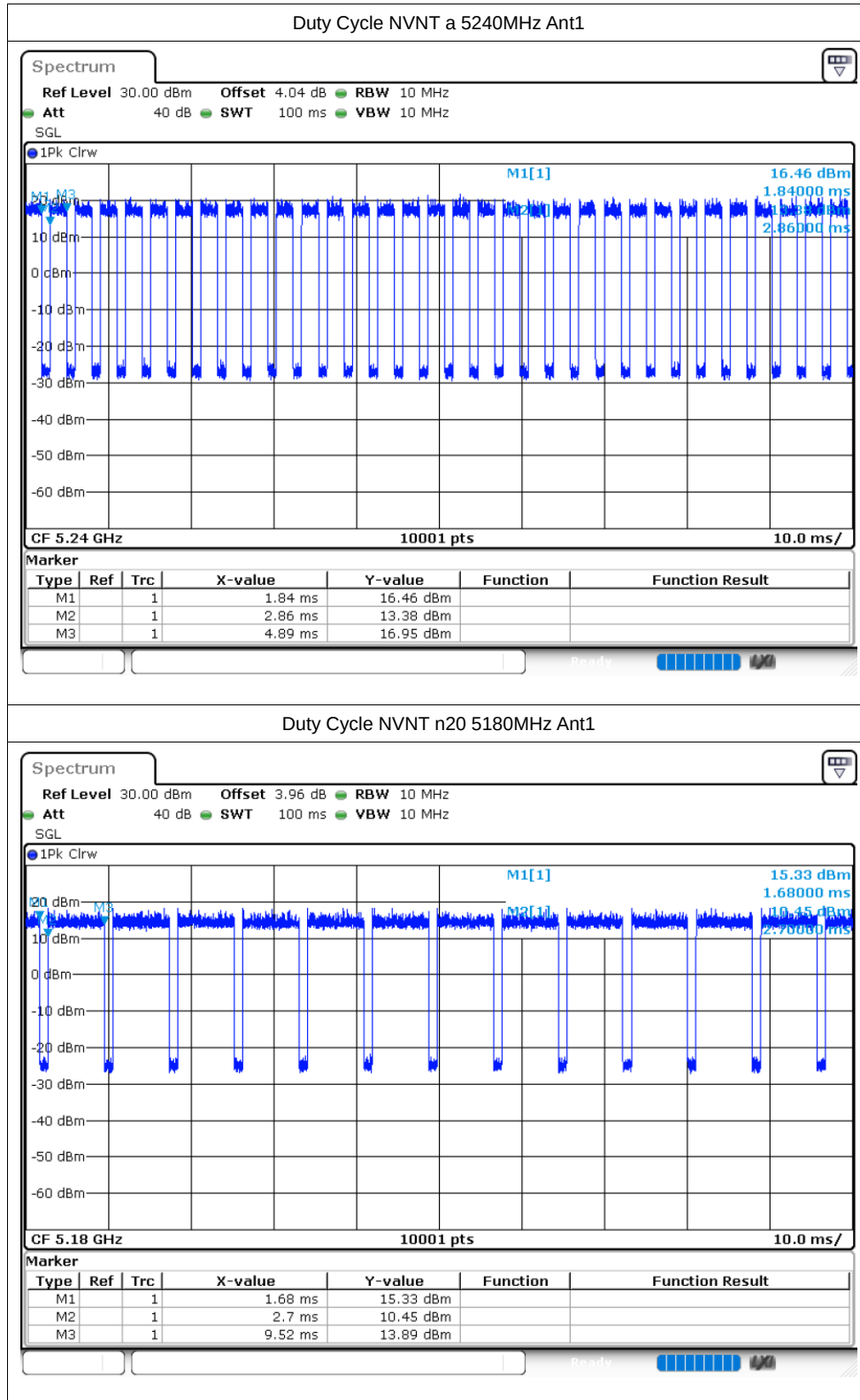
Ref Level 30.00 dBm Offset 4.02 dB RBW 10 MHz  
Att 40 dB SWT 100 ms VBW 10 MHz  
SGL

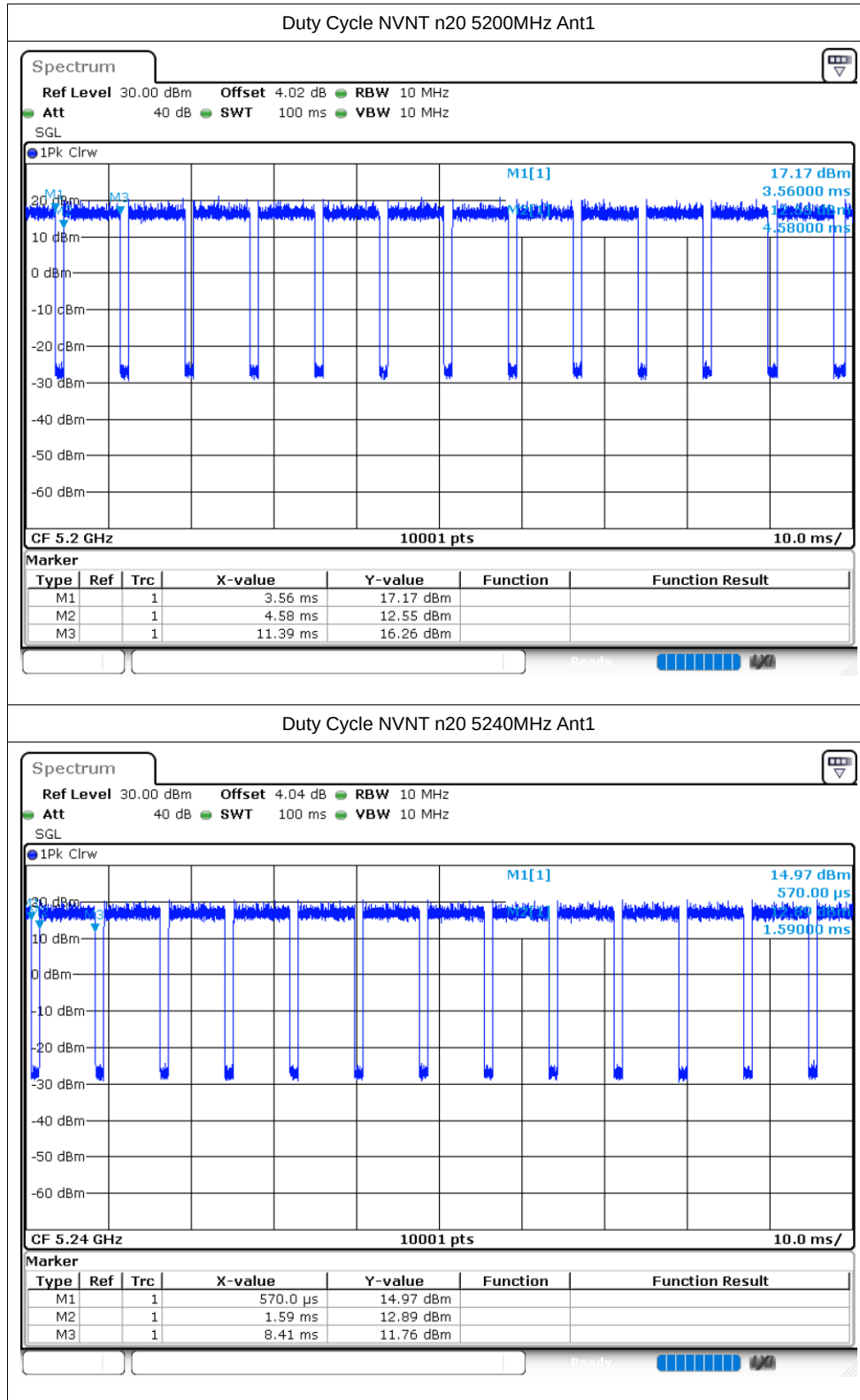
1Pk Clrw

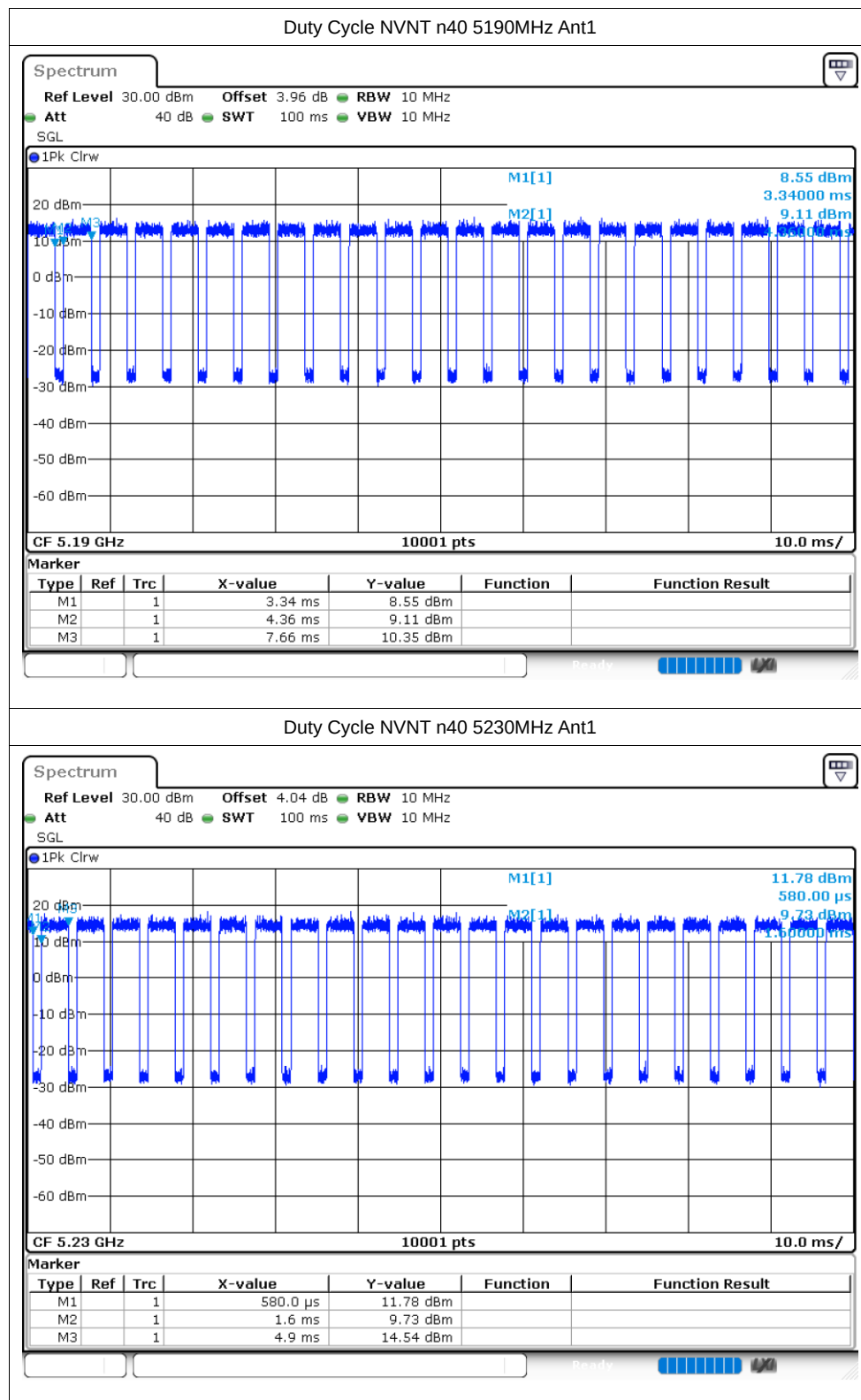


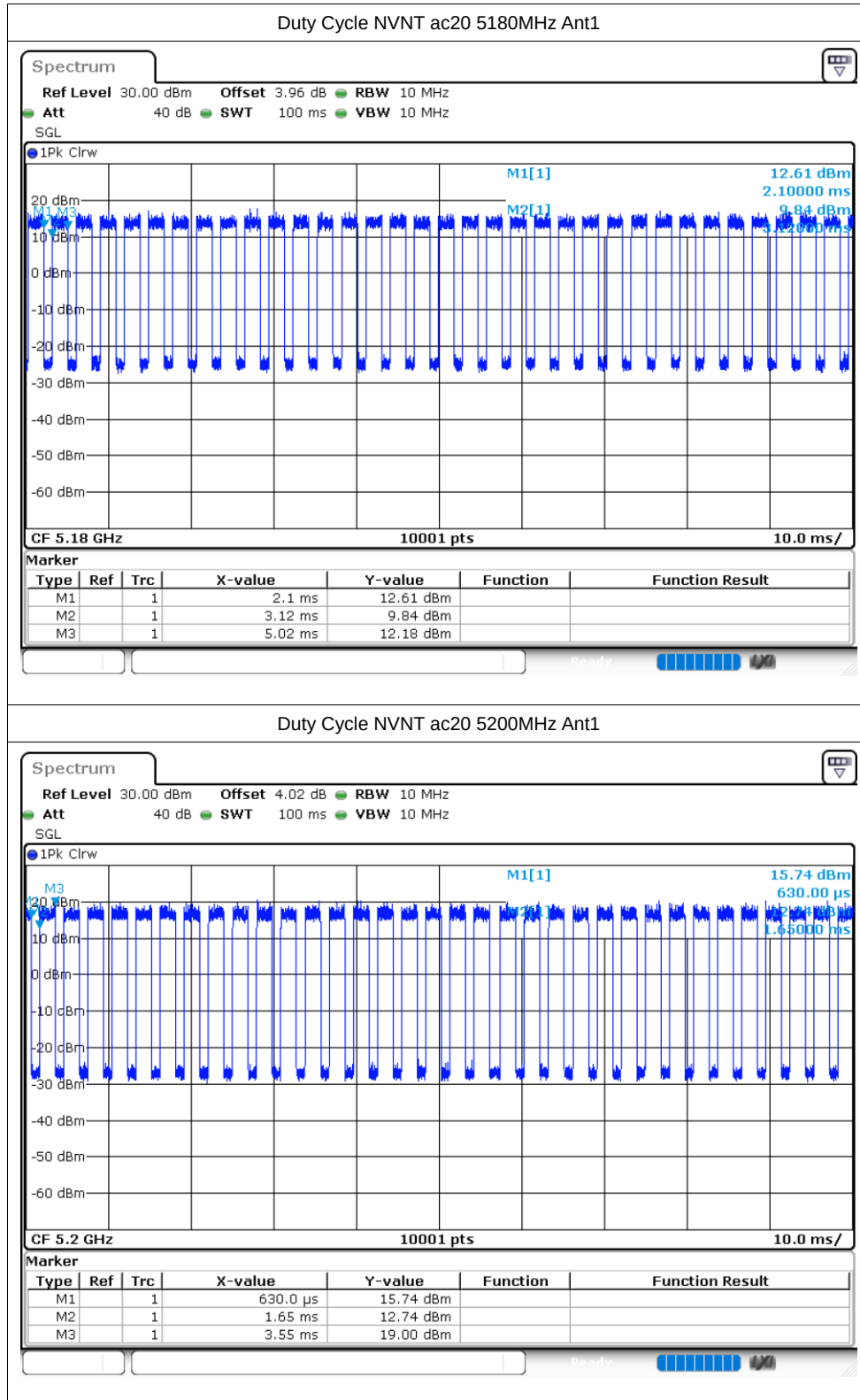
### Marker

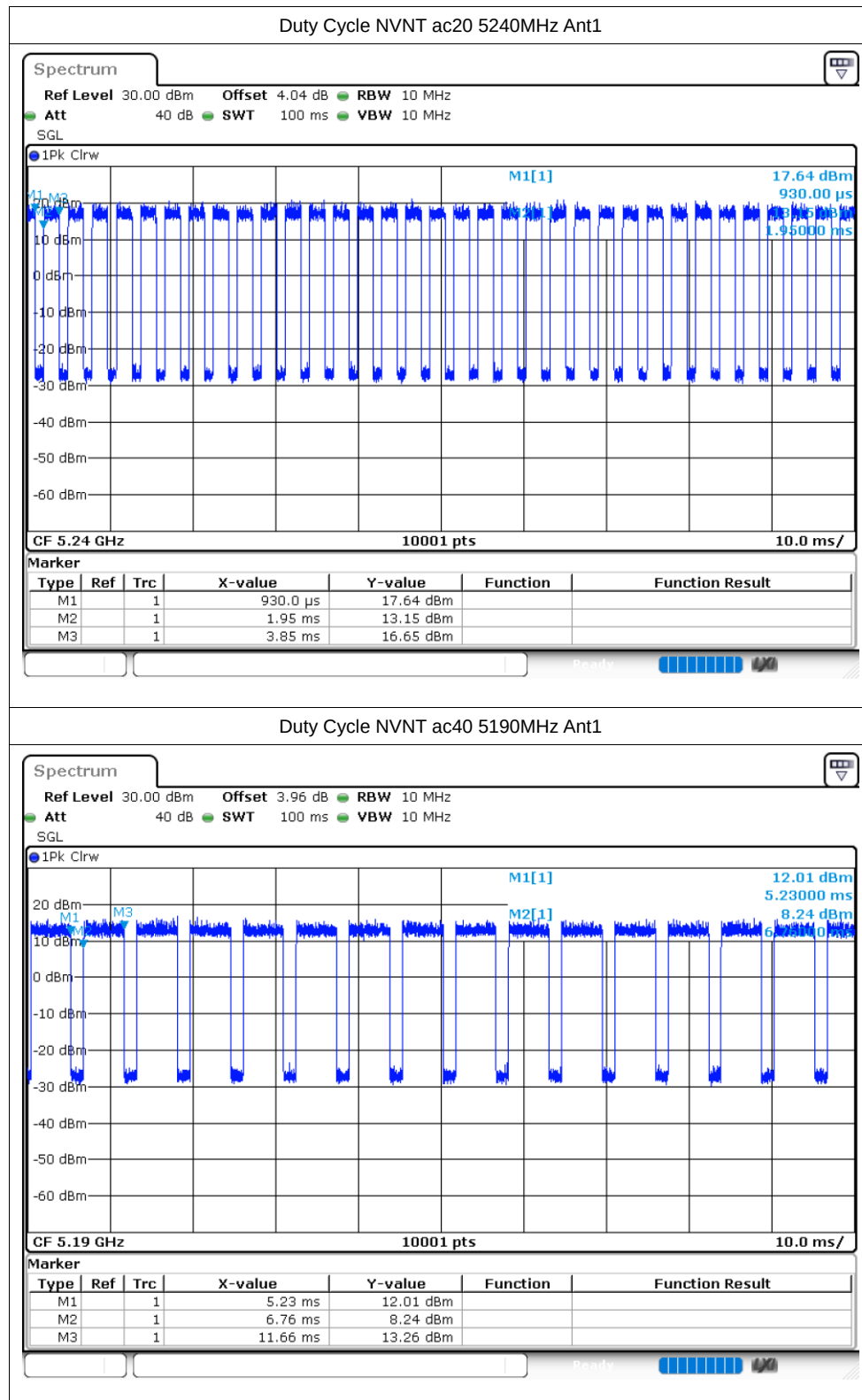
| Type | Ref | Trc | X-value  | Y-value   | Function | Function Result |
|------|-----|-----|----------|-----------|----------|-----------------|
| M1   | 1   | 1   | 470.0 μs | 16.94 dBm |          |                 |
| M2   | 1   | 1   | 1.49 ms  | 12.68 dBm |          |                 |
| M3   | 1   | 1   | 3.52 ms  | 16.70 dBm |          |                 |

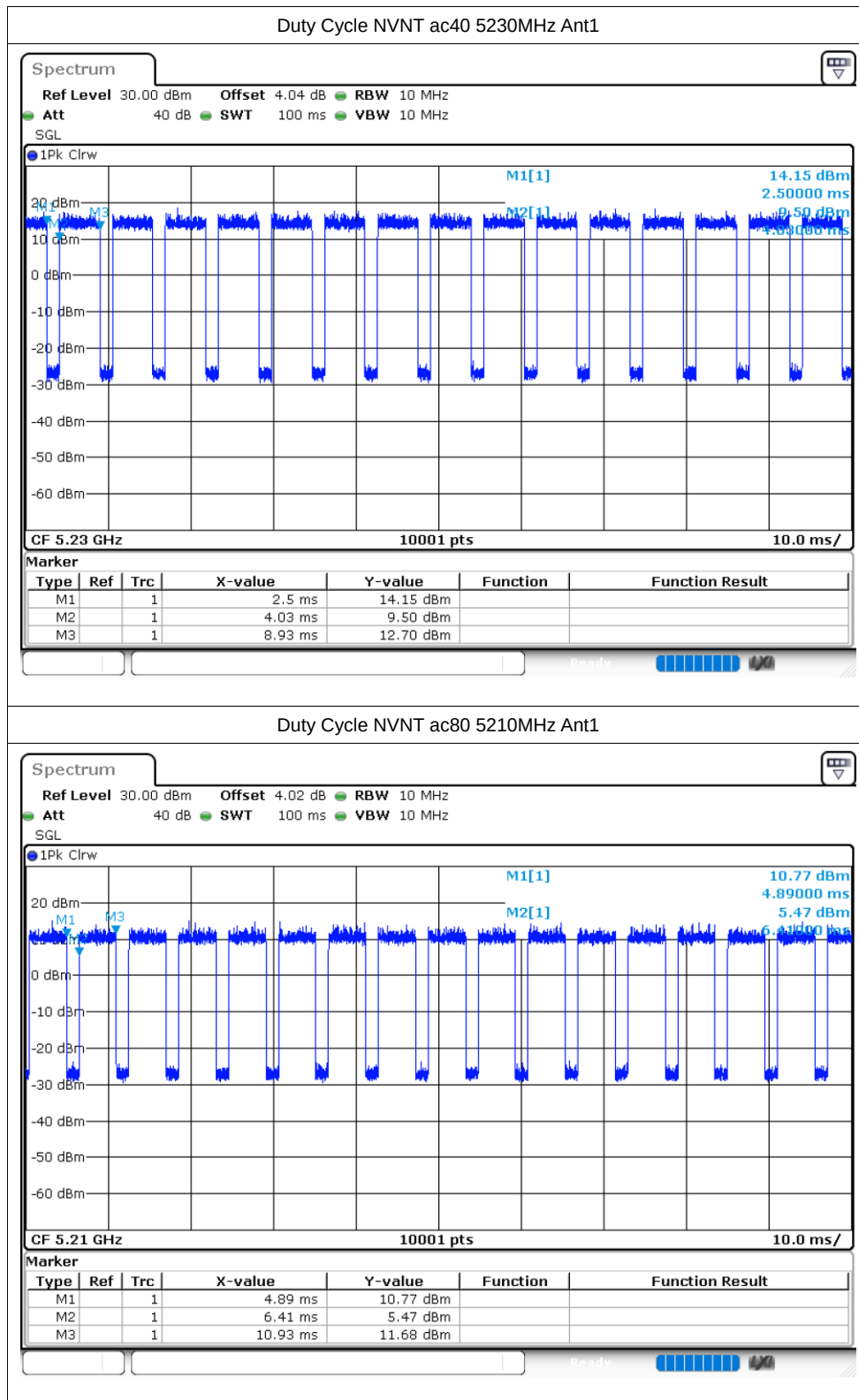


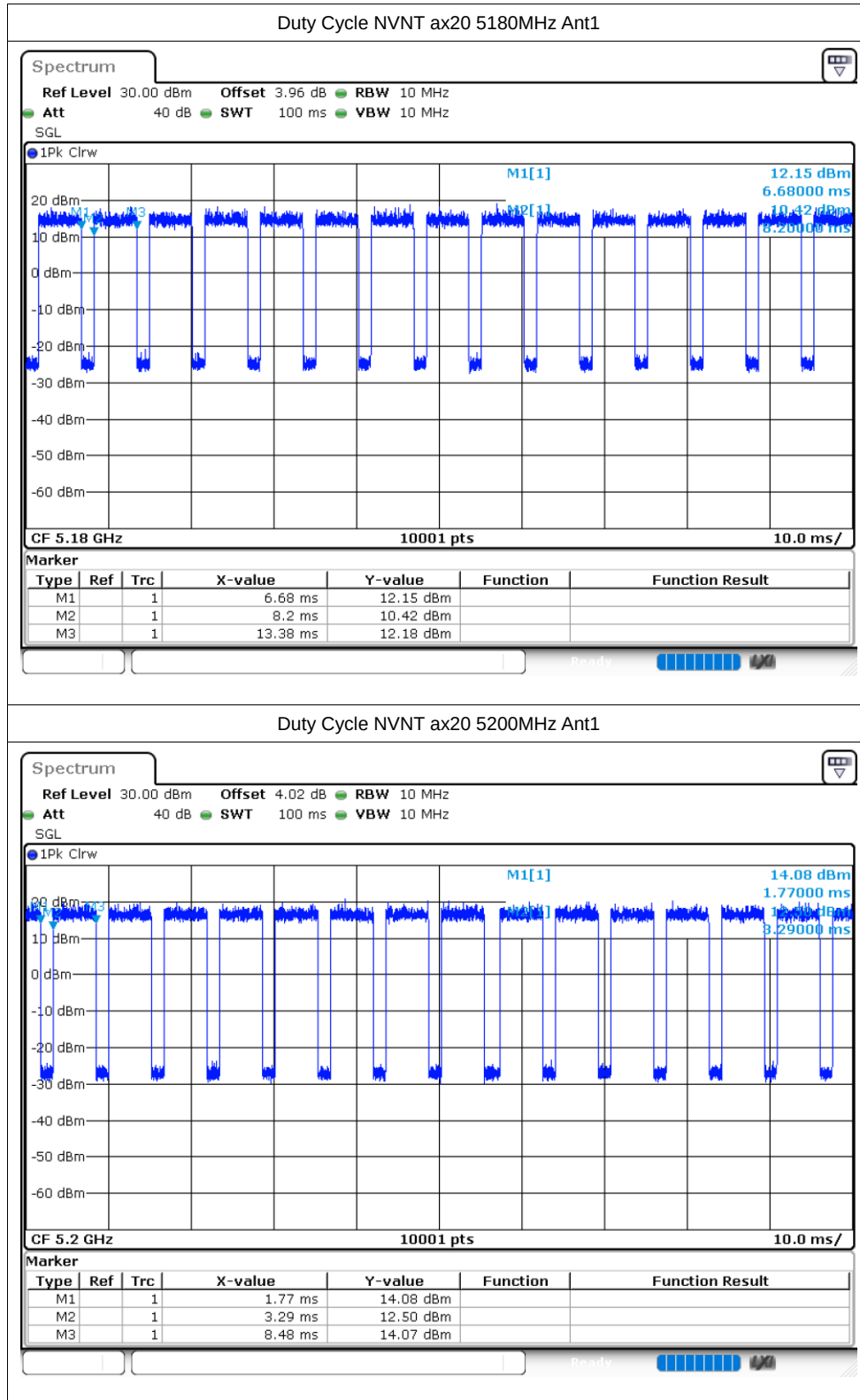


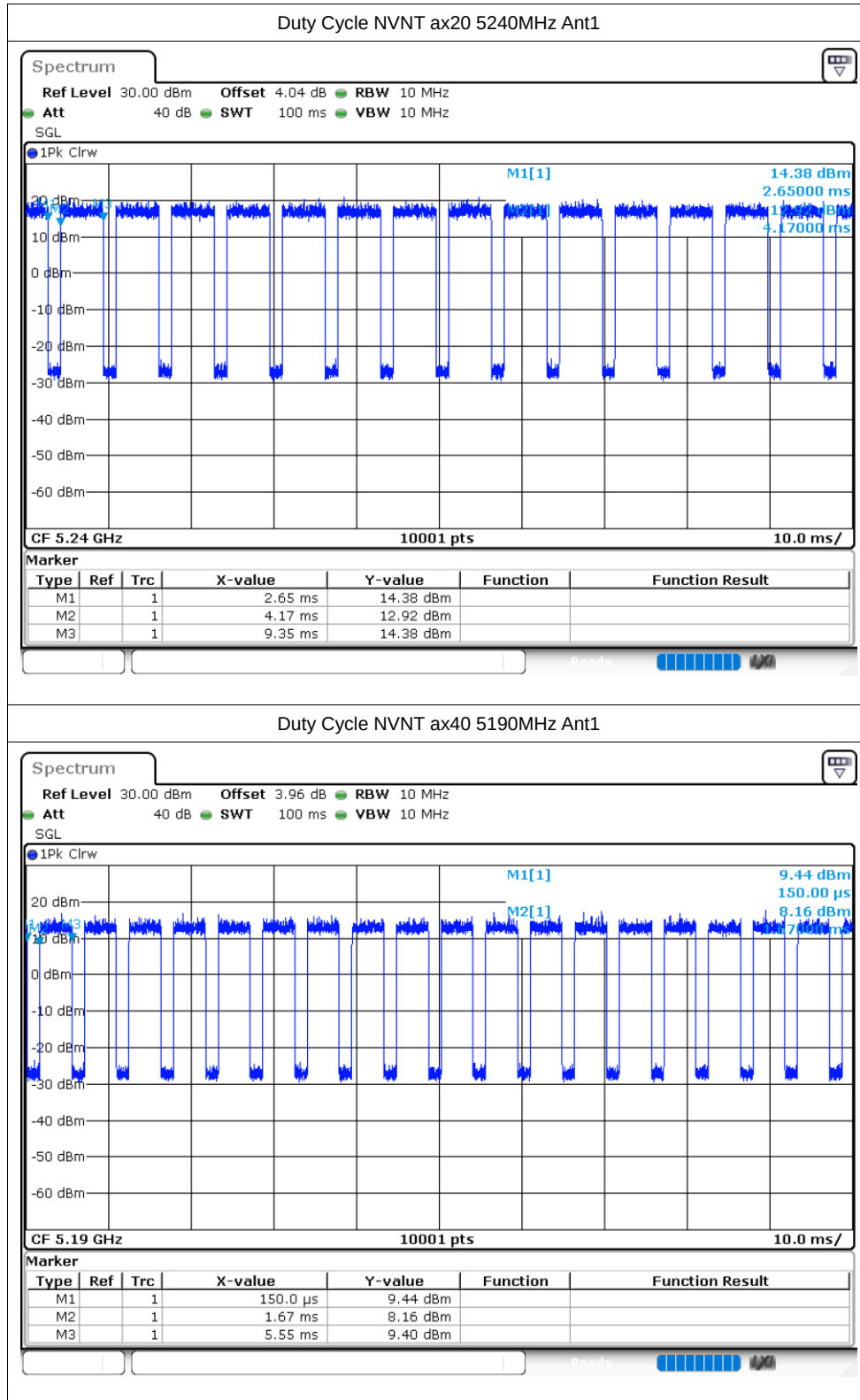


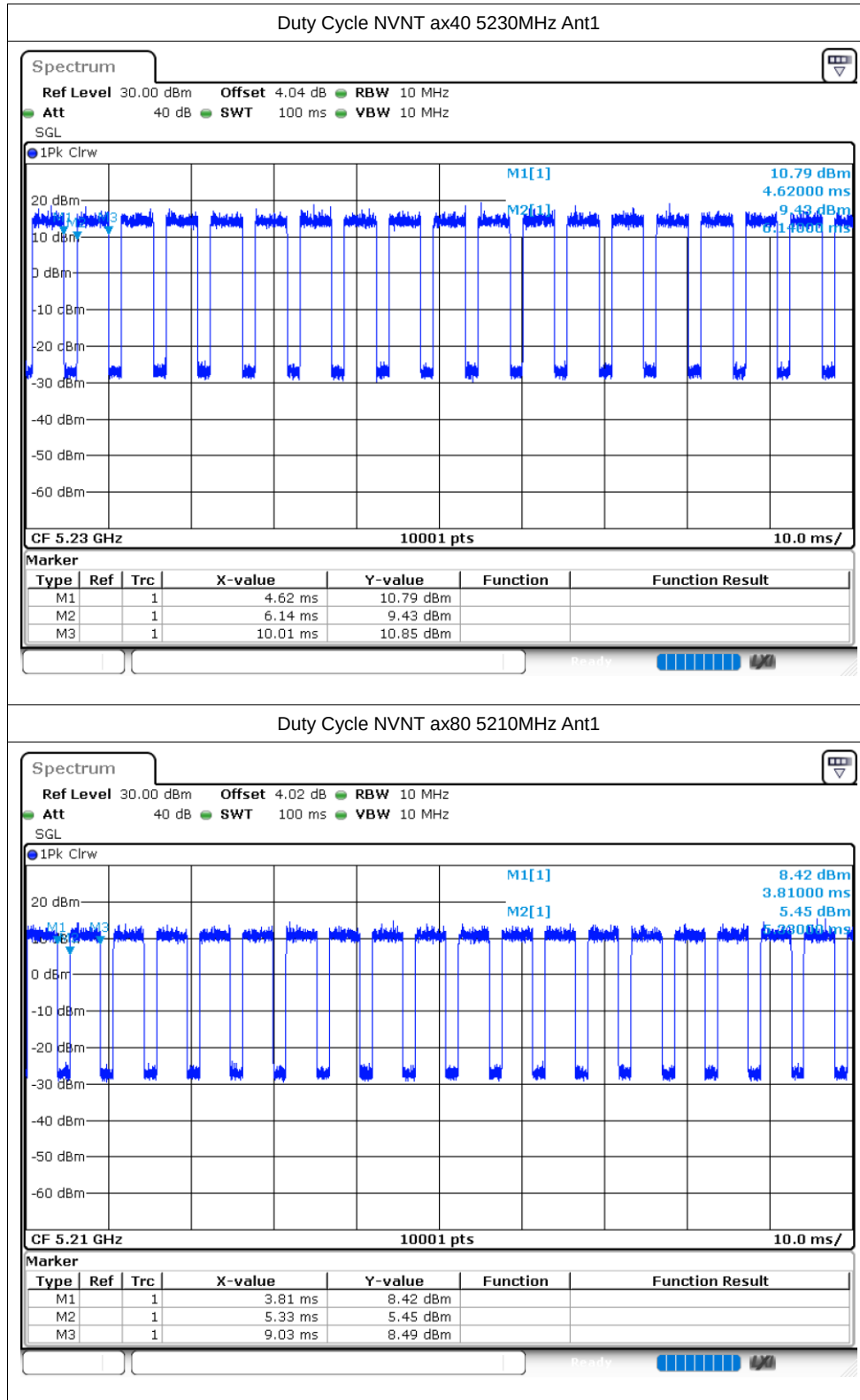












## Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT      | a    | 5180            | Ant1    | 11.9                  | 24          | Pass    |
| NVNT      | a    | 5200            | Ant1    | 12.34                 | 24          | Pass    |
| NVNT      | a    | 5240            | Ant1    | 13.38                 | 24          | Pass    |
| NVNT      | n20  | 5180            | Ant1    | 11.63                 | 24          | Pass    |
| NVNT      | n20  | 5200            | Ant1    | 12.12                 | 24          | Pass    |
| NVNT      | n20  | 5240            | Ant1    | 13.14                 | 24          | Pass    |
| NVNT      | n40  | 5190            | Ant1    | 11.88                 | 24          | Pass    |
| NVNT      | n40  | 5230            | Ant1    | 12.92                 | 24          | Pass    |
| NVNT      | ac20 | 5180            | Ant1    | 11.04                 | 24          | Pass    |
| NVNT      | ac20 | 5200            | Ant1    | 12.3                  | 24          | Pass    |
| NVNT      | ac20 | 5240            | Ant1    | 13.39                 | 24          | Pass    |
| NVNT      | ac40 | 5190            | Ant1    | 11.9                  | 24          | Pass    |
| NVNT      | ac40 | 5230            | Ant1    | 12.86                 | 24          | Pass    |
| NVNT      | ac80 | 5210            | Ant1    | 12.23                 | 24          | Pass    |
| NVNT      | ax20 | 5180            | Ant1    | 11.66                 | 24          | Pass    |
| NVNT      | ax20 | 5200            | Ant1    | 12.04                 | 24          | Pass    |
| NVNT      | ax20 | 5240            | Ant1    | 13.14                 | 24          | Pass    |
| NVNT      | ax40 | 5190            | Ant1    | 11.85                 | 24          | Pass    |
| NVNT      | ax40 | 5230            | Ant1    | 12.93                 | 24          | Pass    |
| NVNT      | ax80 | 5210            | Ant1    | 12.28                 | 24          | Pass    |

## -26dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|------------------------|---------|
| NVNT      | a    | 5180            | Ant1    | 24.792                 | Pass    |
| NVNT      | a    | 5200            | Ant1    | 22.869                 | Pass    |
| NVNT      | a    | 5240            | Ant1    | 23.628                 | Pass    |
| NVNT      | n20  | 5180            | Ant1    | 25.989                 | Pass    |
| NVNT      | n20  | 5200            | Ant1    | 23.934                 | Pass    |
| NVNT      | n20  | 5240            | Ant1    | 24.432                 | Pass    |
| NVNT      | n40  | 5190            | Ant1    | 46.92                  | Pass    |
| NVNT      | n40  | 5230            | Ant1    | 45.552                 | Pass    |
| NVNT      | ac20 | 5180            | Ant1    | 24.357                 | Pass    |
| NVNT      | ac20 | 5200            | Ant1    | 22.761                 | Pass    |
| NVNT      | ac20 | 5240            | Ant1    | 23.1                   | Pass    |
| NVNT      | ac40 | 5190            | Ant1    | 47.316                 | Pass    |
| NVNT      | ac40 | 5230            | Ant1    | 46.548                 | Pass    |
| NVNT      | ac80 | 5210            | Ant1    | 86.82                  | Pass    |
| NVNT      | ax20 | 5180            | Ant1    | 23.019                 | Pass    |
| NVNT      | ax20 | 5200            | Ant1    | 22.863                 | Pass    |
| NVNT      | ax20 | 5240            | Ant1    | 24.438                 | Pass    |
| NVNT      | ax40 | 5190            | Ant1    | 45.354                 | Pass    |
| NVNT      | ax40 | 5230            | Ant1    | 45.288                 | Pass    |
| NVNT      | ax80 | 5210            | Ant1    | 86.976                 | Pass    |

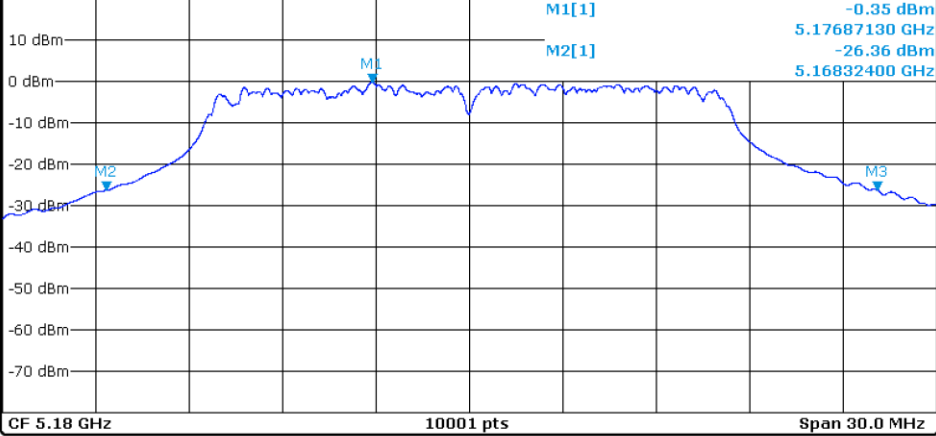
Test Graphs

-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



Marker

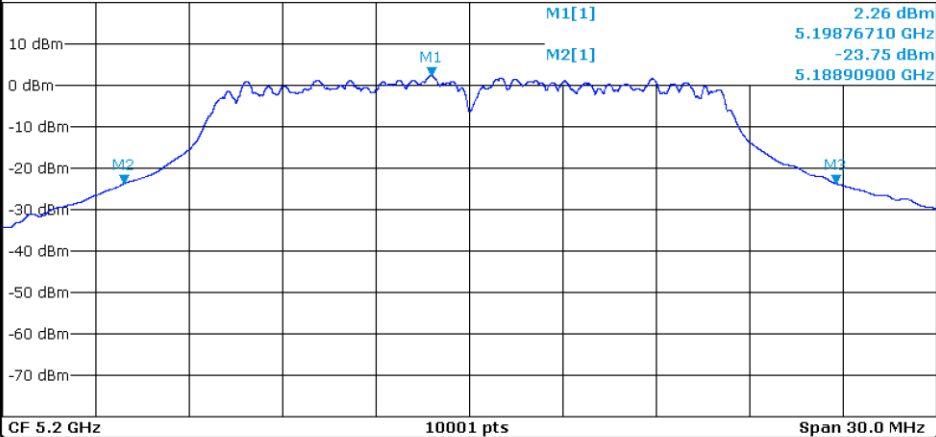
| Type | Ref | Trc | X-value       | Y-value    | Function | Function Result |
|------|-----|-----|---------------|------------|----------|-----------------|
| M1   | 1   |     | 5.1768713 GHz | -0.35 dBm  |          |                 |
| M2   | 1   |     | 5.168324 GHz  | -26.36 dBm |          |                 |
| M3   | 1   |     | 5.193116 GHz  | -26.34 dBm |          |                 |

-26dB Bandwidth NVNT a 5200MHz Ant1

Spectrum

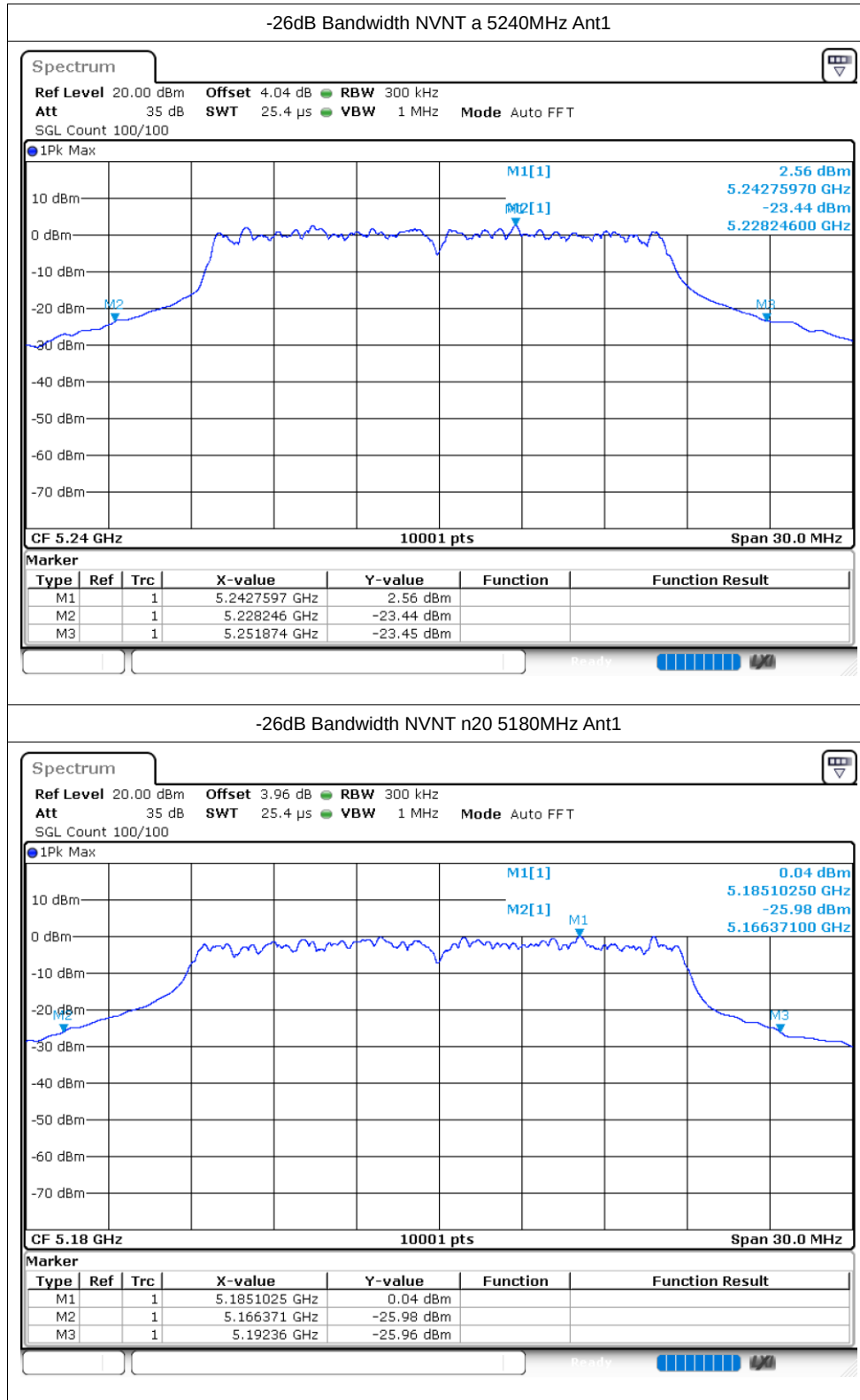
Ref Level 20.00 dBm Offset 4.02 dB RBW 300 kHz  
Att 35 dB SWT 25.4  $\mu$ s VBW 1 MHz Mode Auto FFT  
SGL Count 100/100

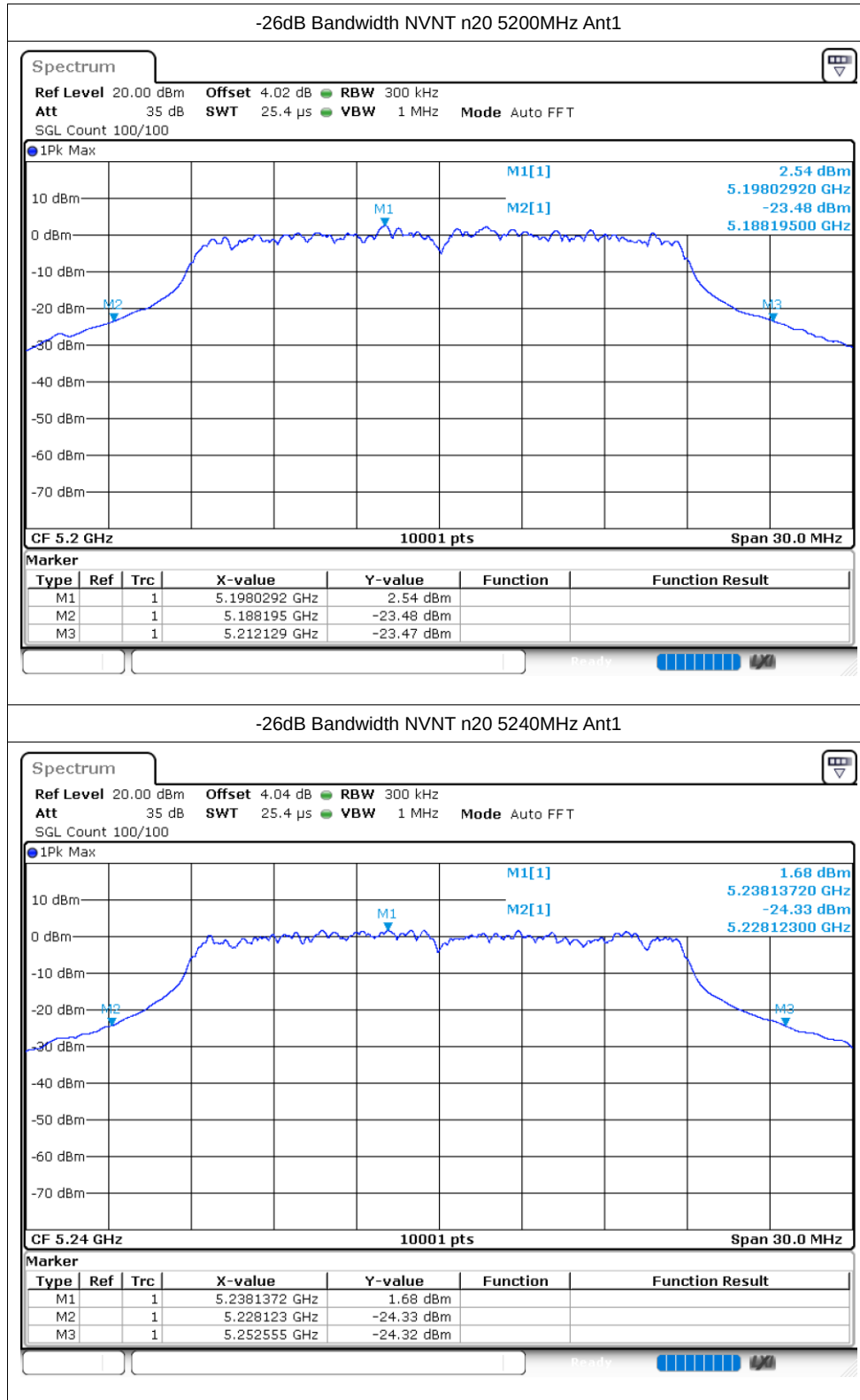
1Pk Max

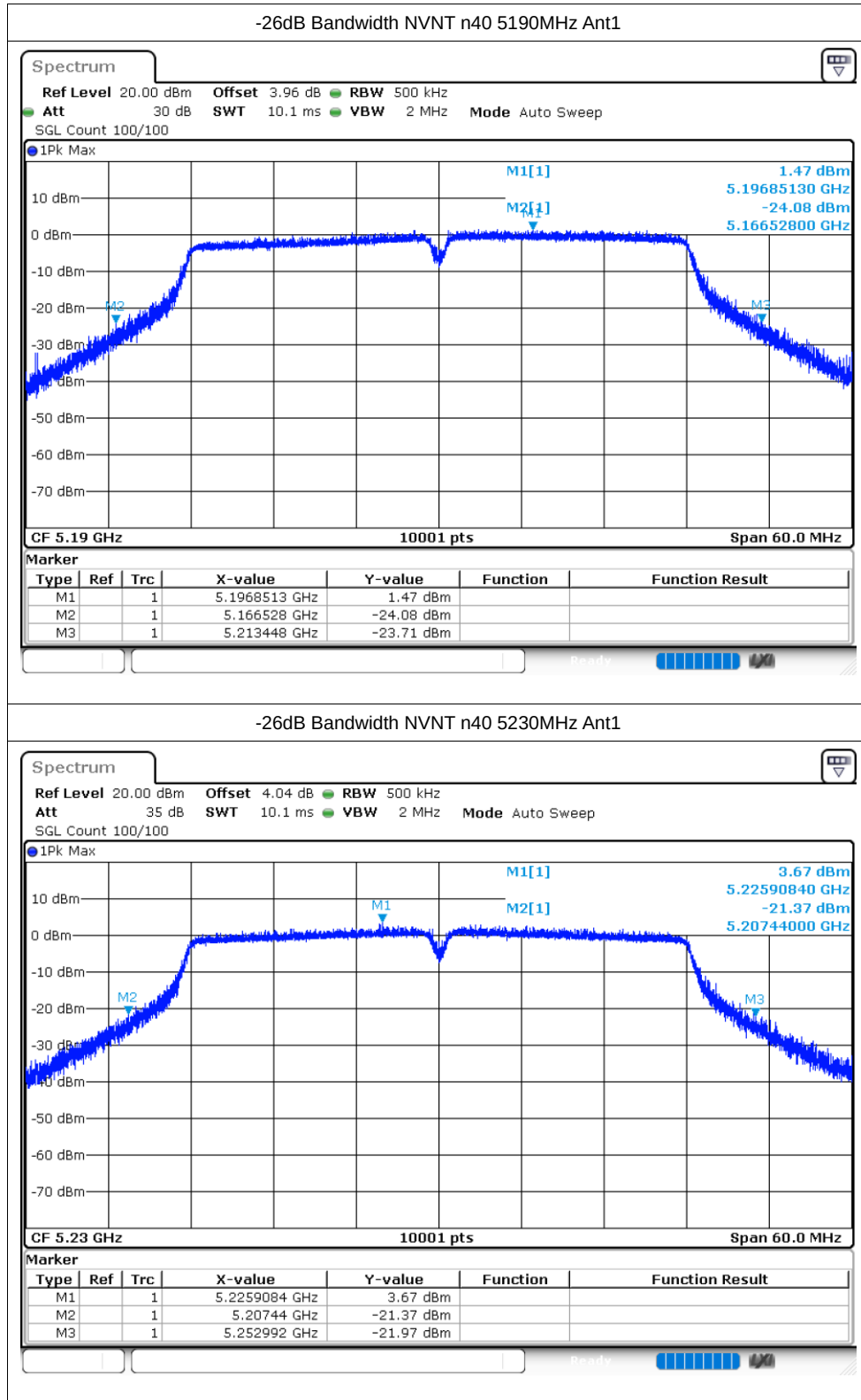


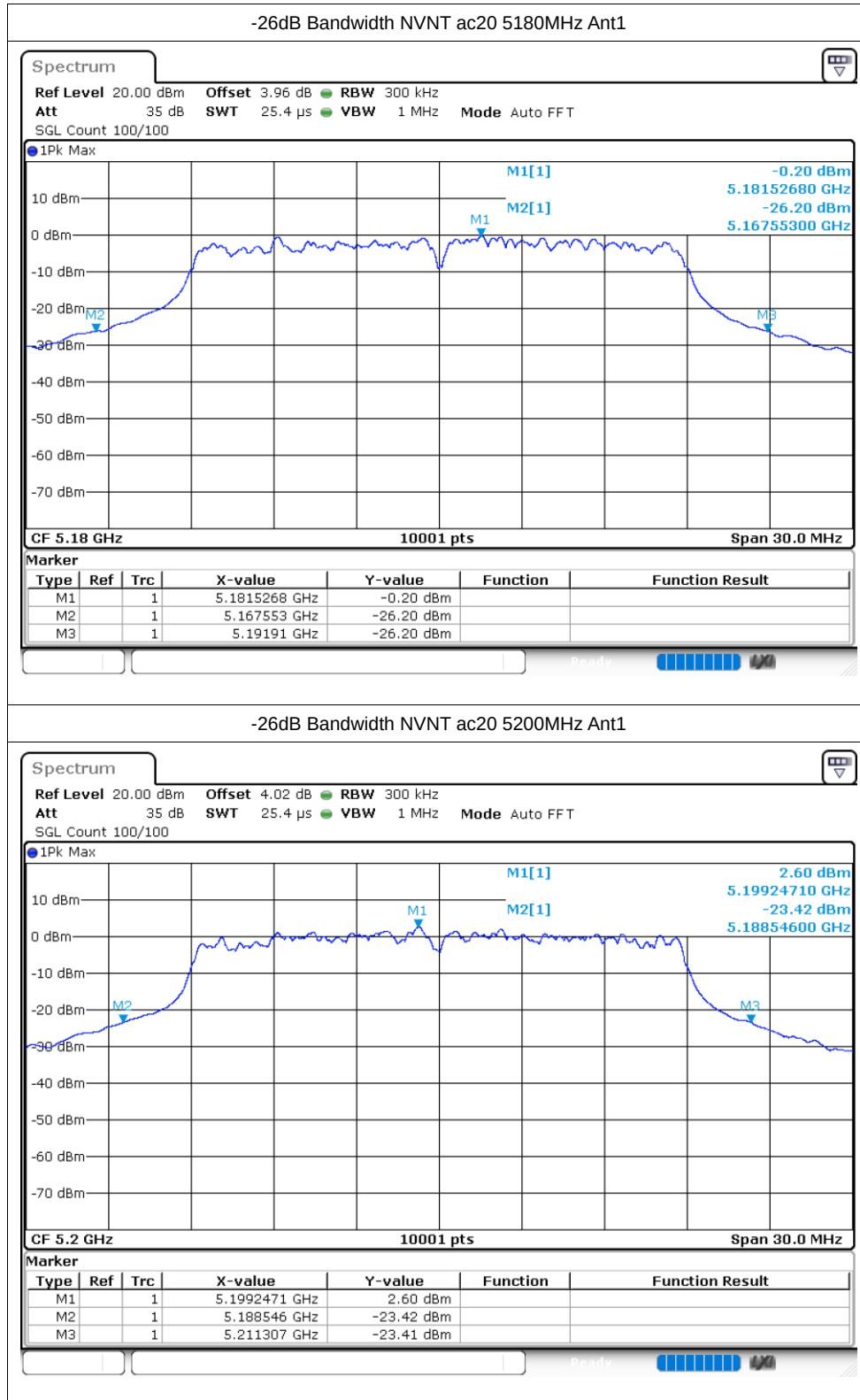
Marker

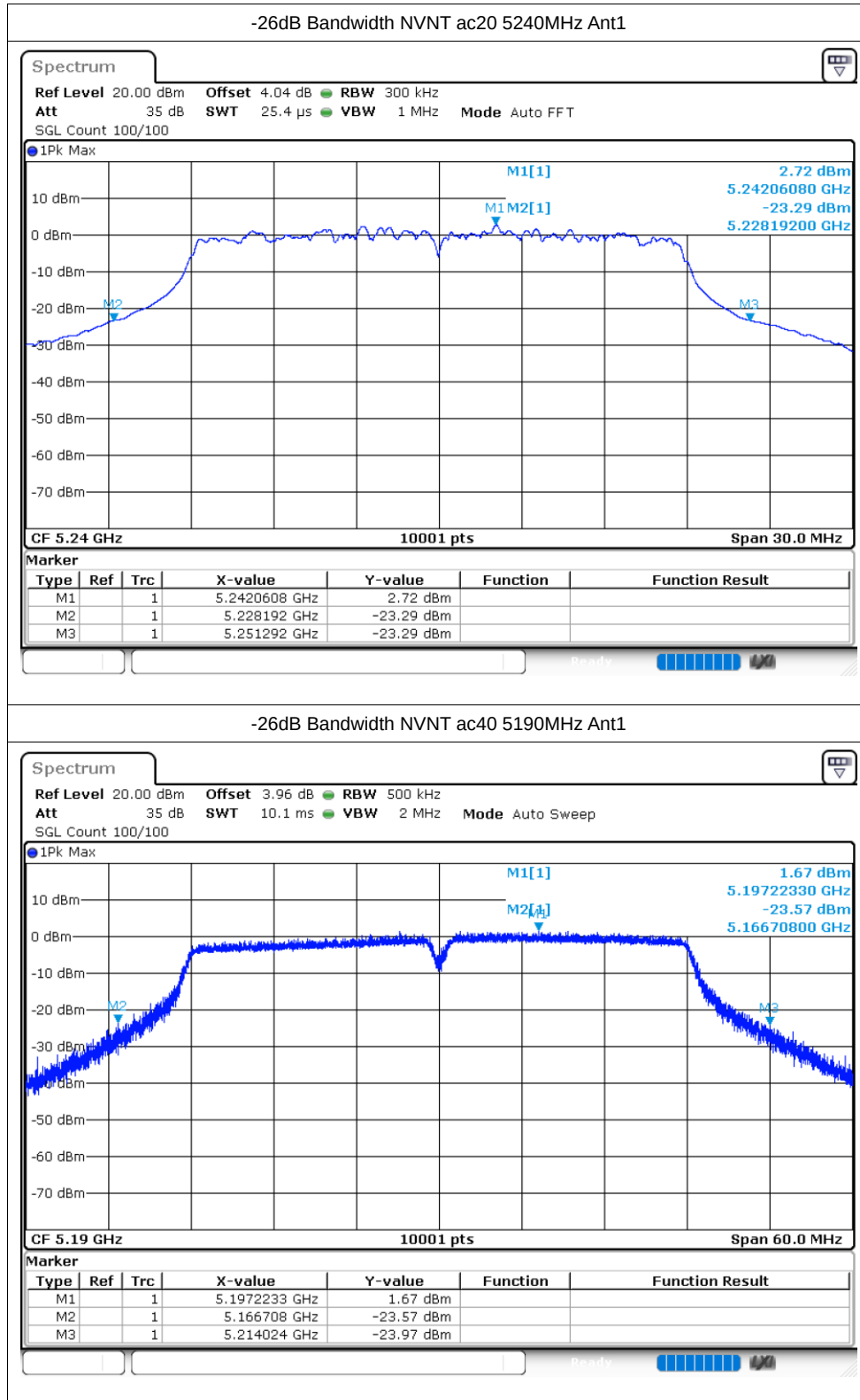
| Type | Ref | Trc | X-value       | Y-value    | Function | Function Result |
|------|-----|-----|---------------|------------|----------|-----------------|
| M1   | 1   |     | 5.1987671 GHz | 2.26 dBm   |          |                 |
| M2   | 1   |     | 5.188909 GHz  | -23.75 dBm |          |                 |
| M3   | 1   |     | 5.211778 GHz  | -23.75 dBm |          |                 |

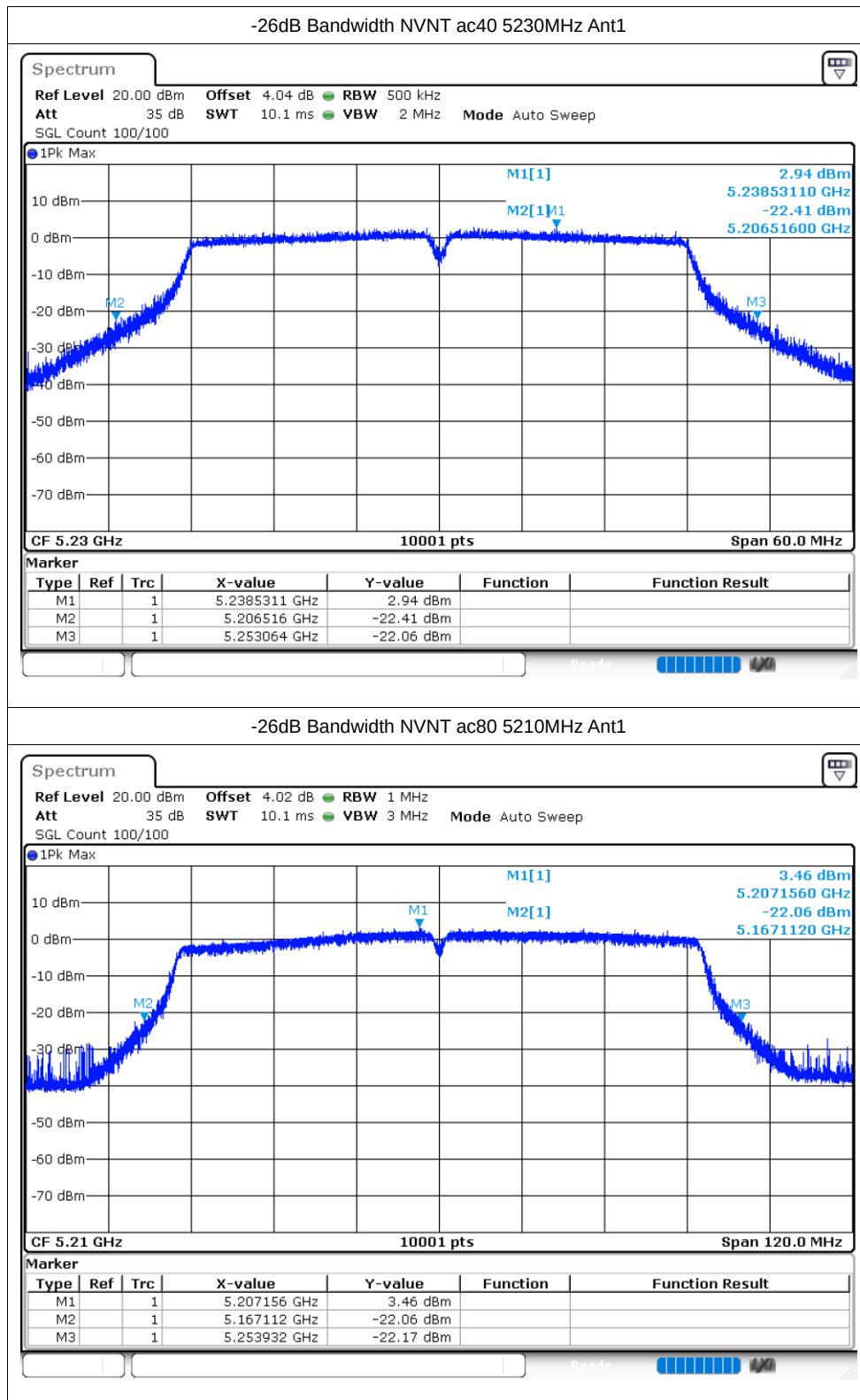


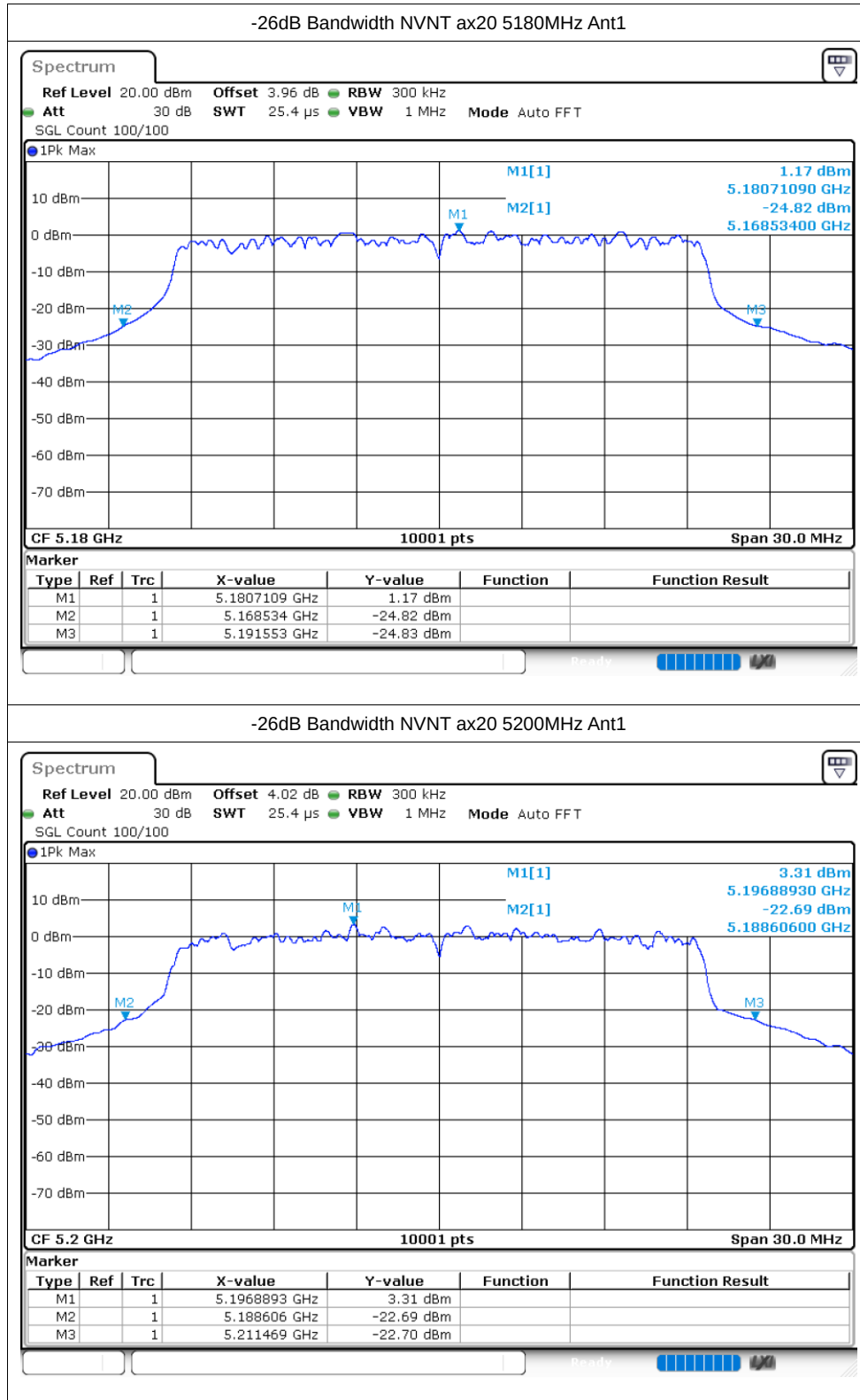


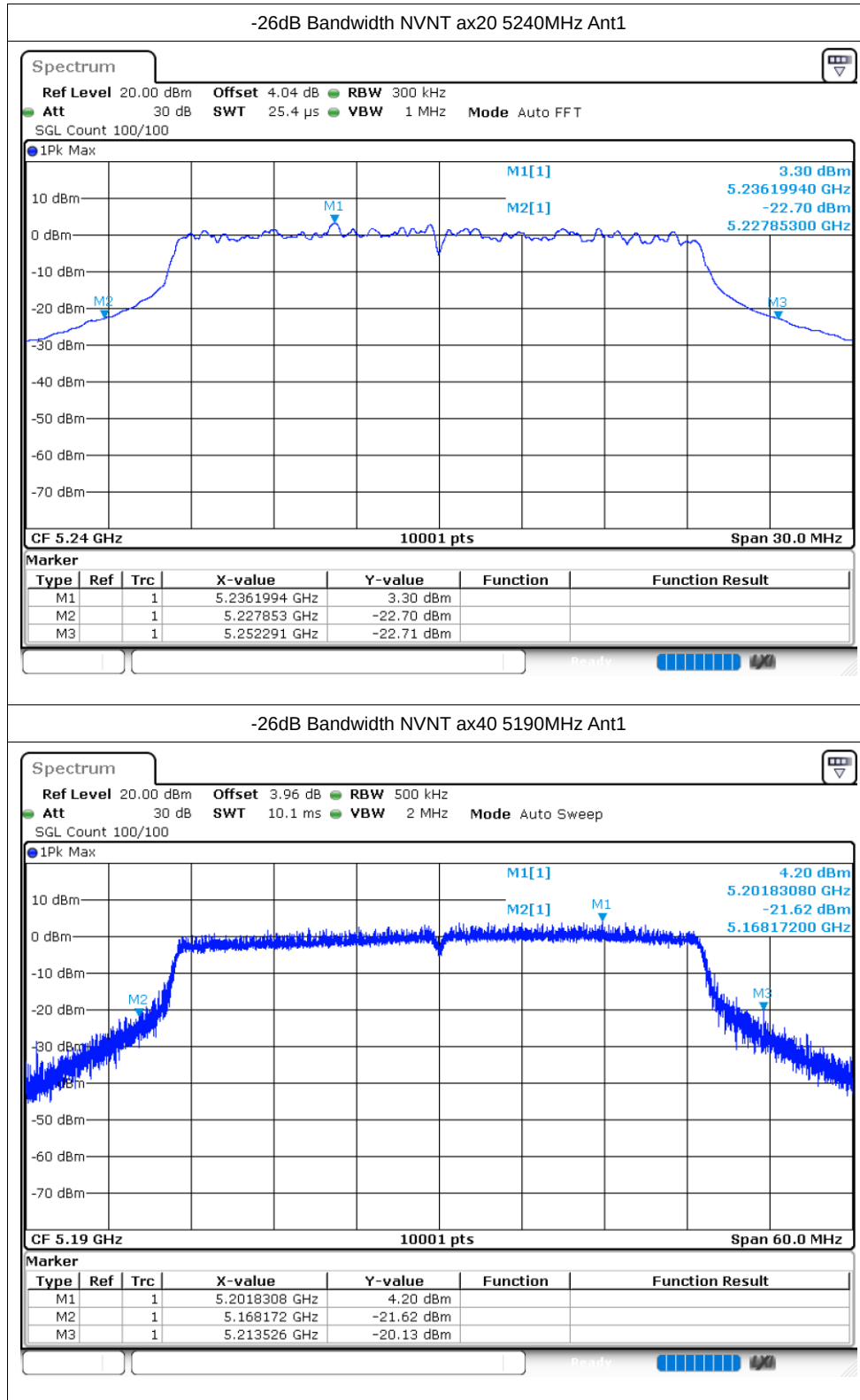


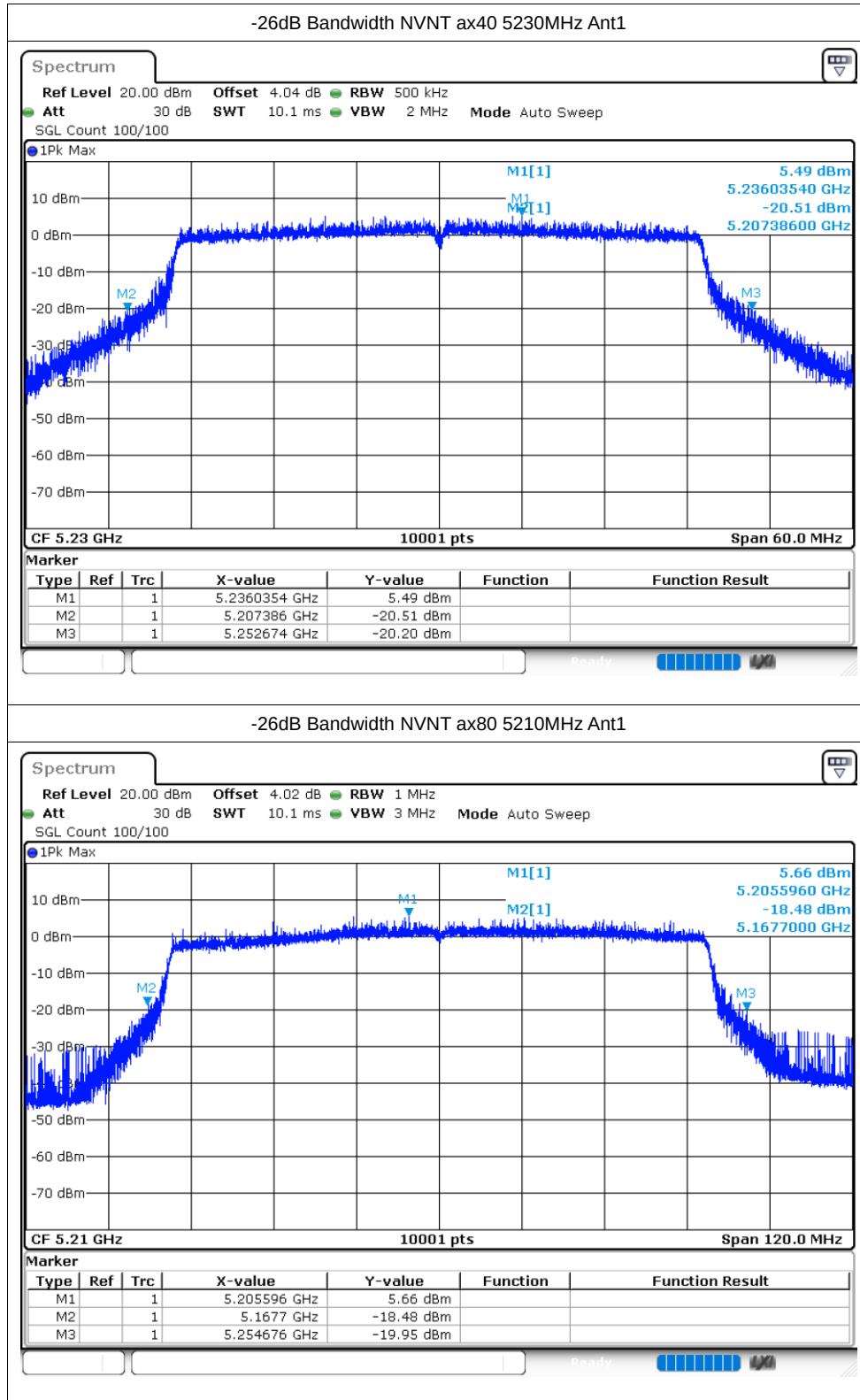










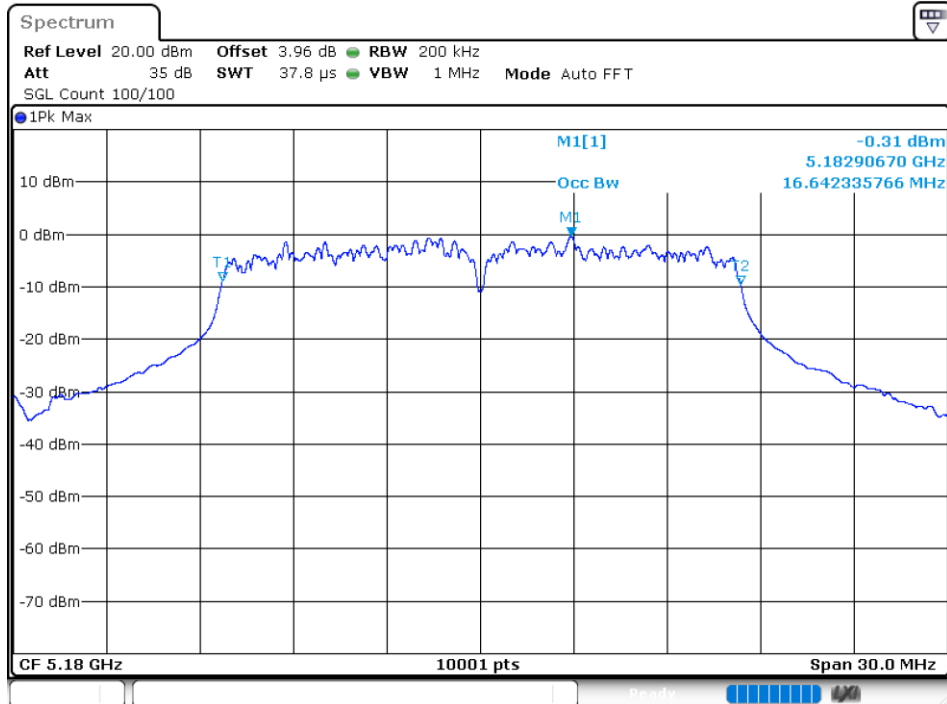


## Occupied Channel Bandwidth

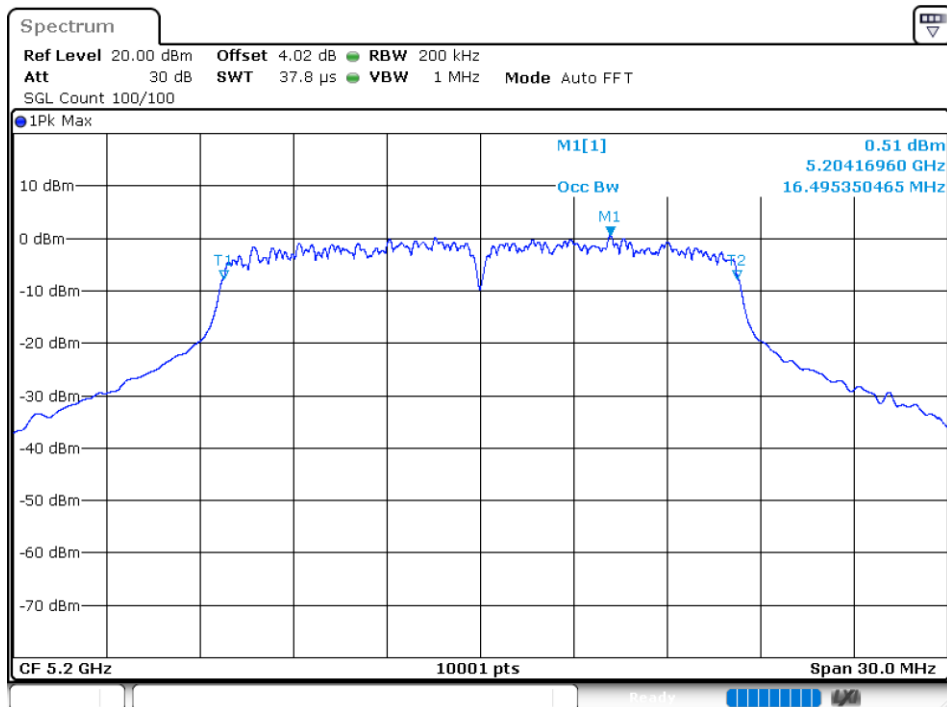
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5180            | Ant1    | 16.642        |
| NVNT      | a    | 5200            | Ant1    | 16.495        |
| NVNT      | a    | 5240            | Ant1    | 16.531        |
| NVNT      | n20  | 5180            | Ant1    | 17.914        |
| NVNT      | n20  | 5200            | Ant1    | 17.776        |
| NVNT      | n20  | 5240            | Ant1    | 17.884        |
| NVNT      | n40  | 5190            | Ant1    | 36.542        |
| NVNT      | n40  | 5230            | Ant1    | 36.524        |
| NVNT      | ac20 | 5180            | Ant1    | 18.007        |
| NVNT      | ac20 | 5200            | Ant1    | 17.653        |
| NVNT      | ac20 | 5240            | Ant1    | 17.935        |
| NVNT      | ac40 | 5190            | Ant1    | 36.578        |
| NVNT      | ac40 | 5230            | Ant1    | 36.536        |
| NVNT      | ac80 | 5210            | Ant1    | 75.58         |
| NVNT      | ax20 | 5180            | Ant1    | 18.925        |
| NVNT      | ax20 | 5200            | Ant1    | 18.979        |
| NVNT      | ax20 | 5240            | Ant1    | 19.072        |
| NVNT      | ax40 | 5190            | Ant1    | 37.886        |
| NVNT      | ax40 | 5230            | Ant1    | 37.832        |
| NVNT      | ax80 | 5210            | Ant1    | 77.152        |

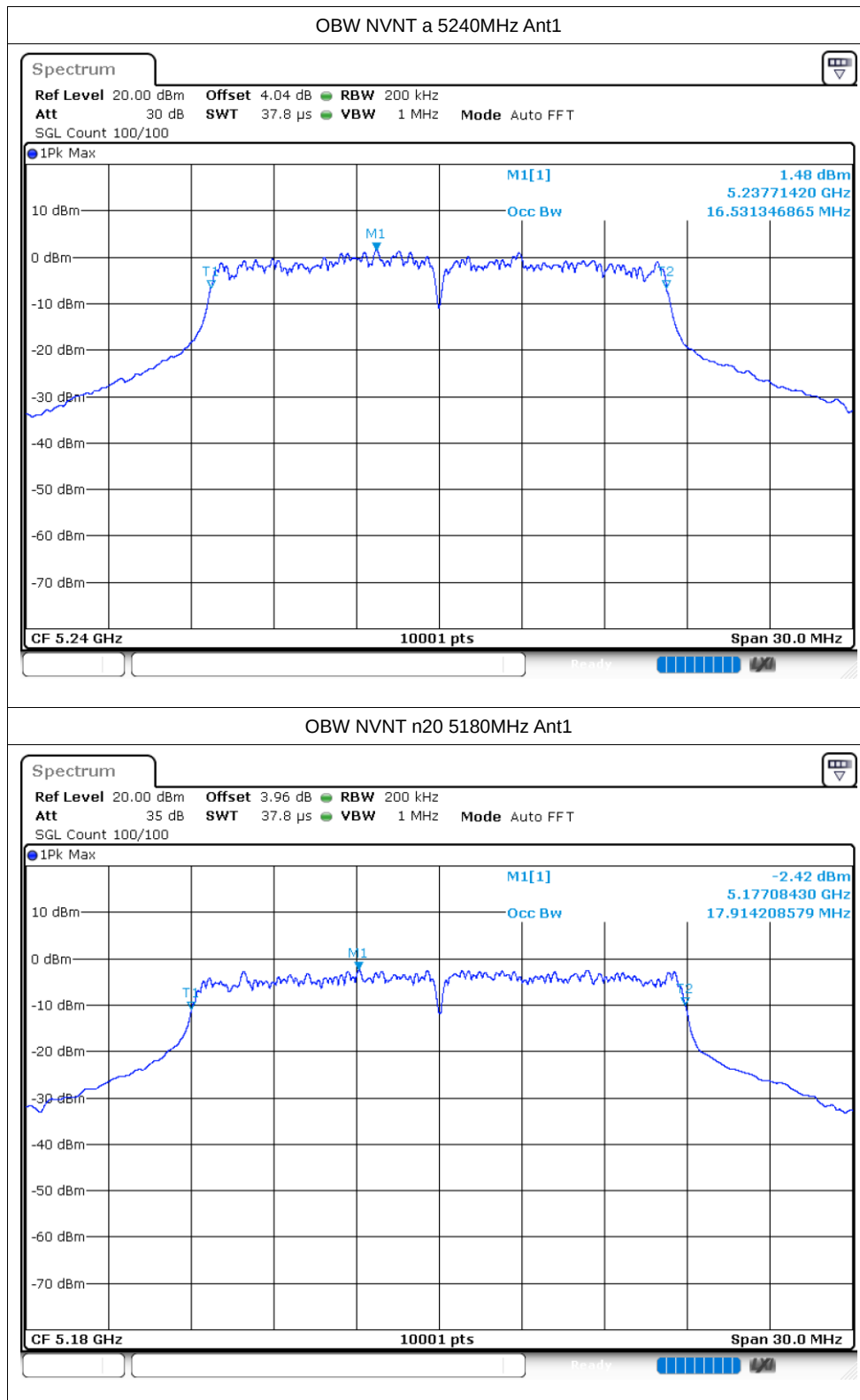
Test Graphs

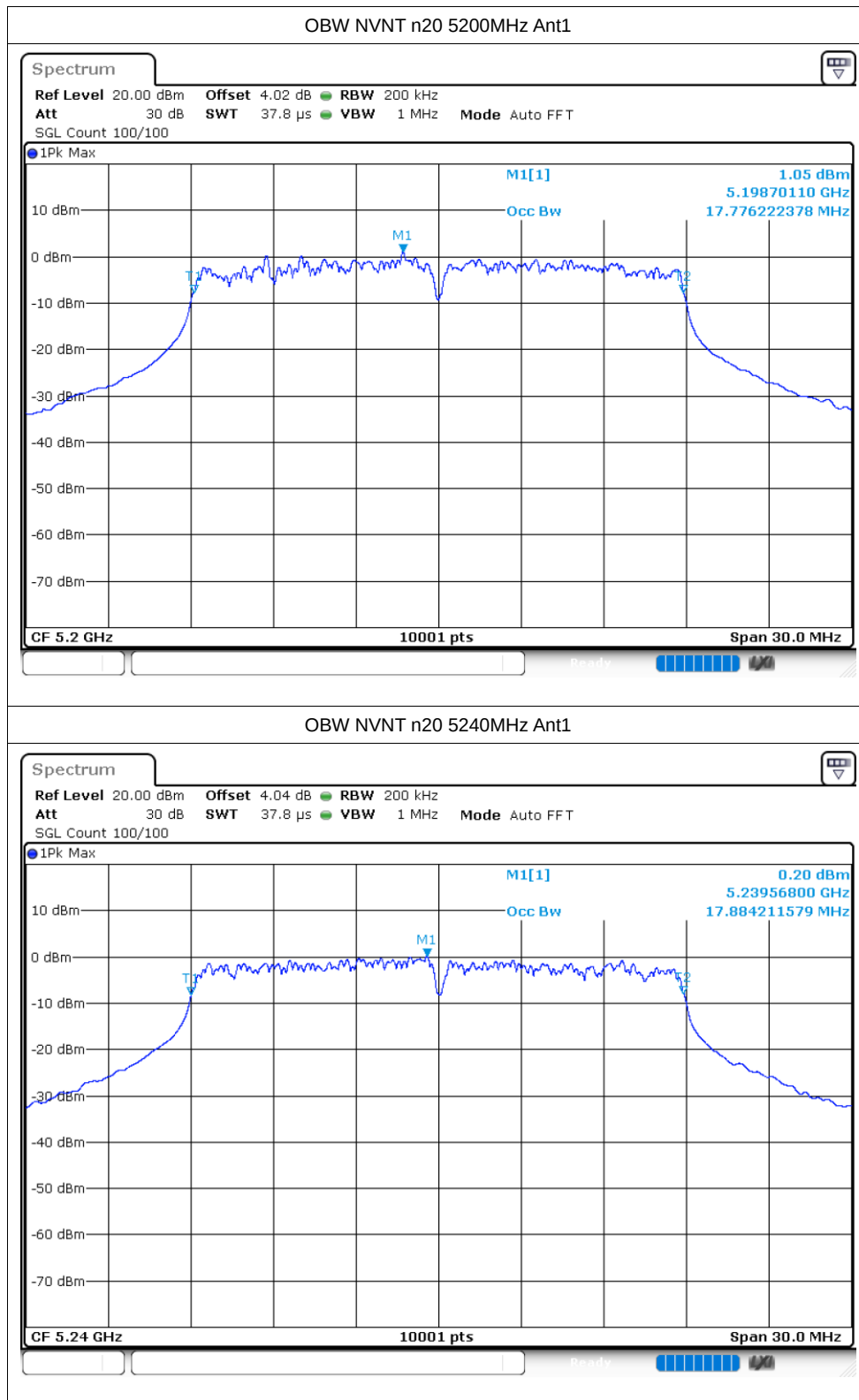
OBW NVNT a 5180MHz Ant1

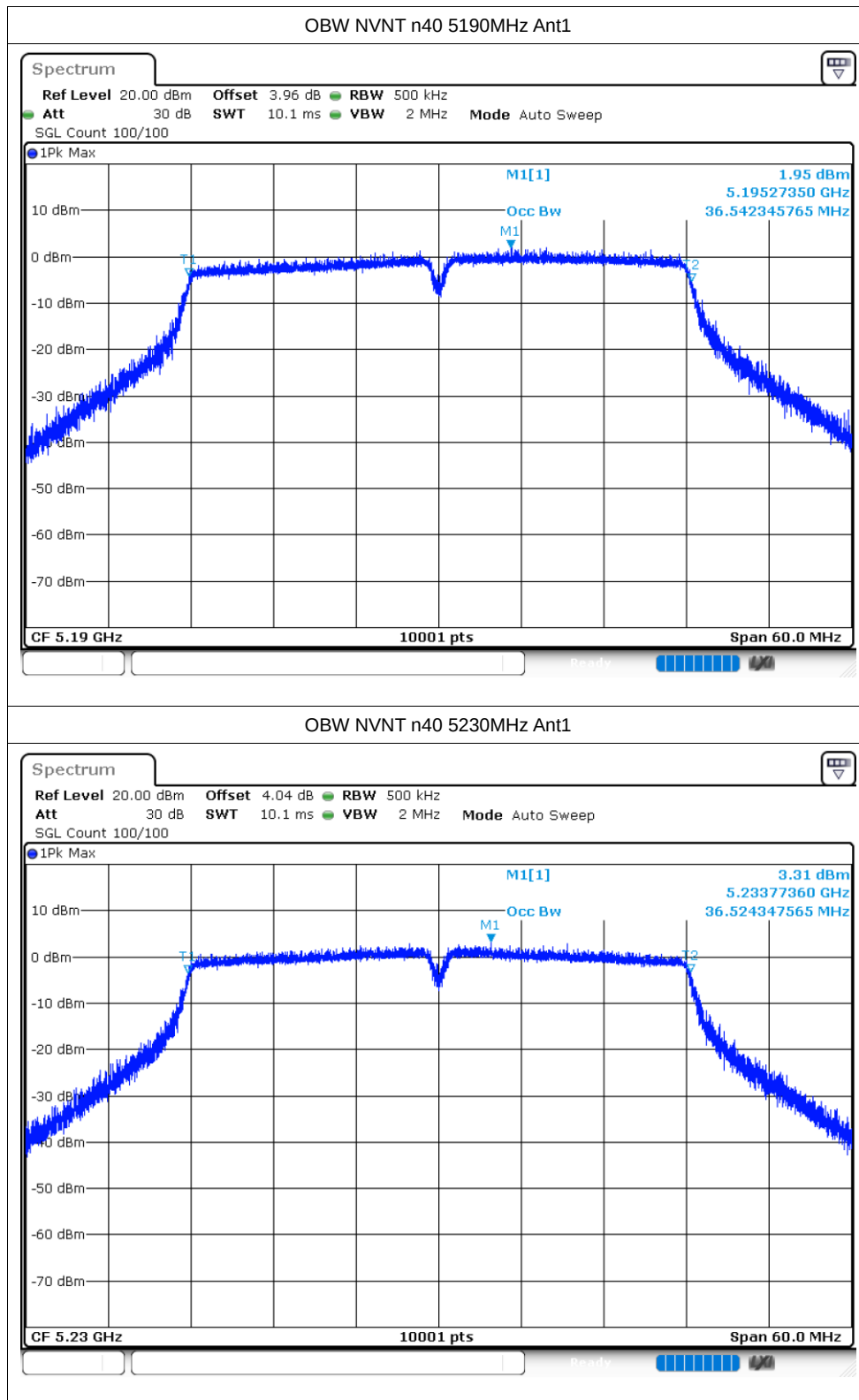


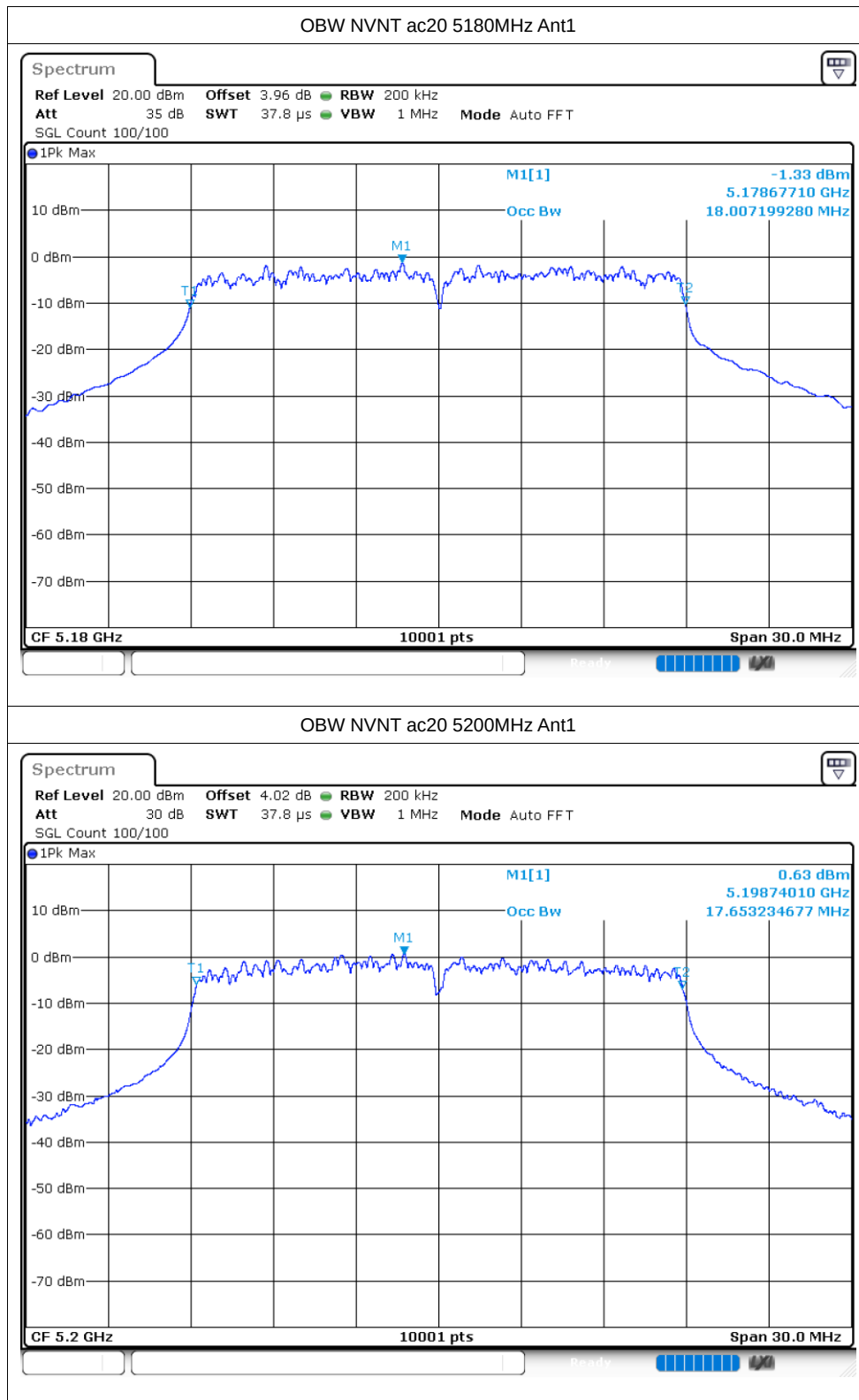
OBW NVNT a 5200MHz Ant1

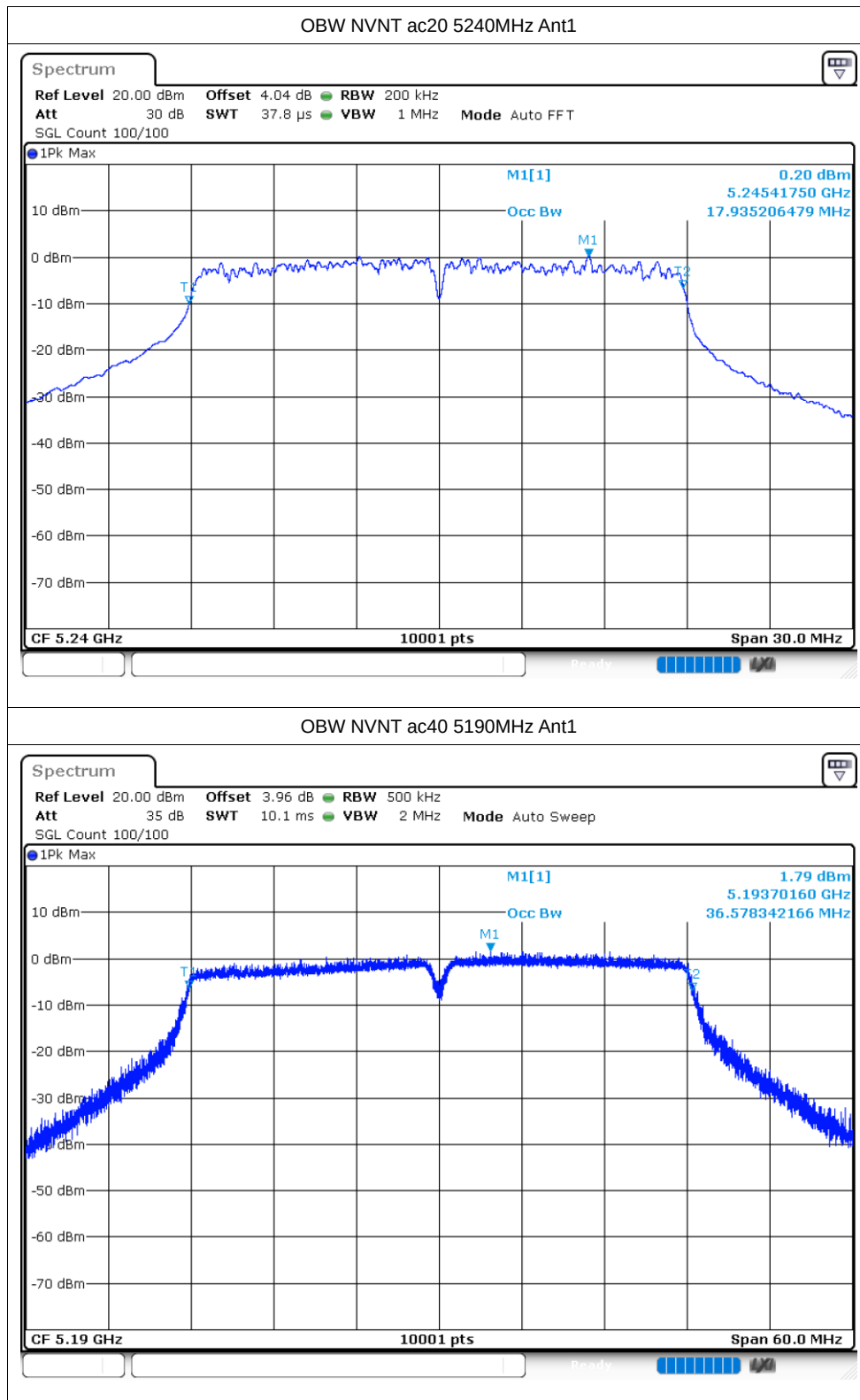


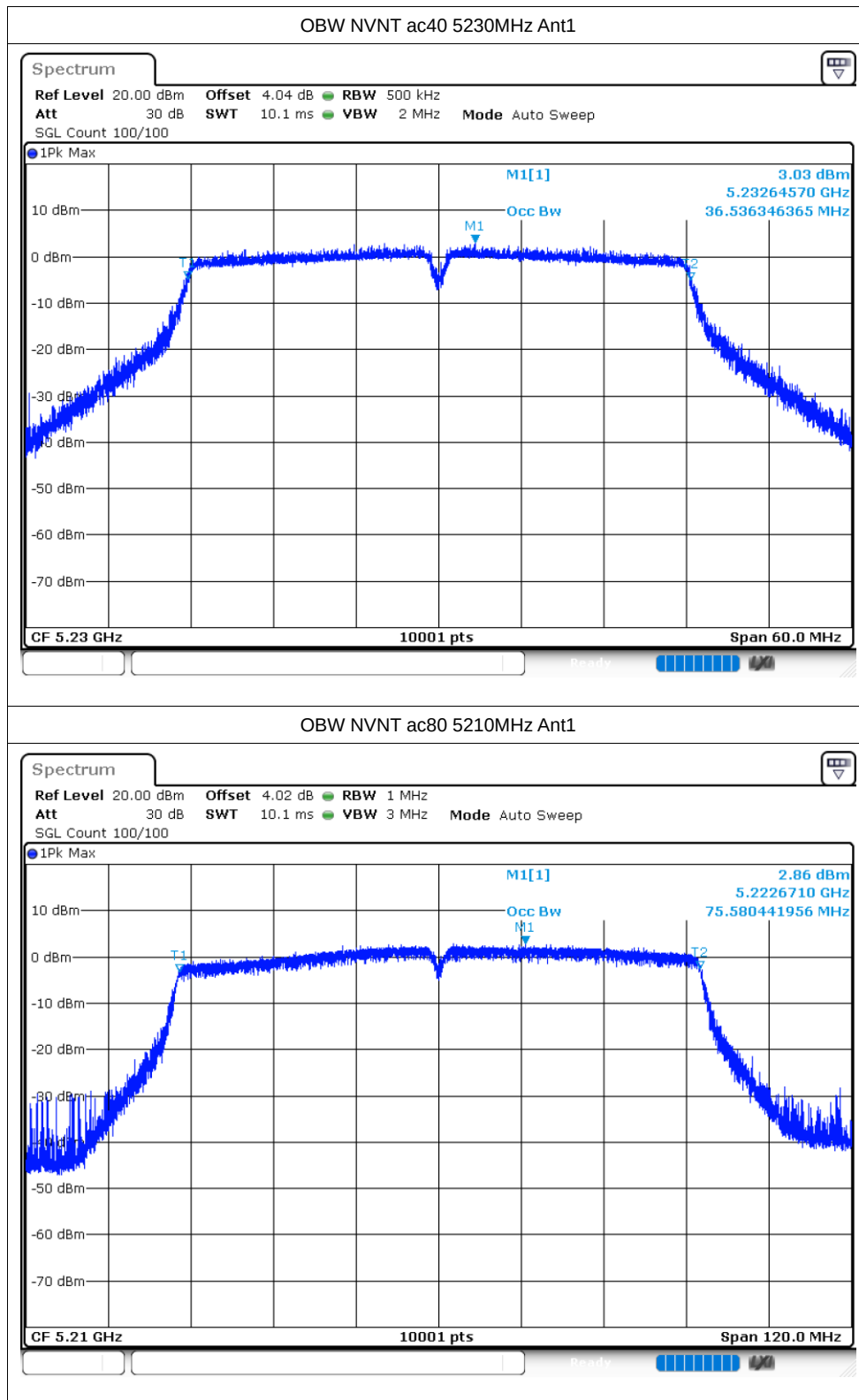


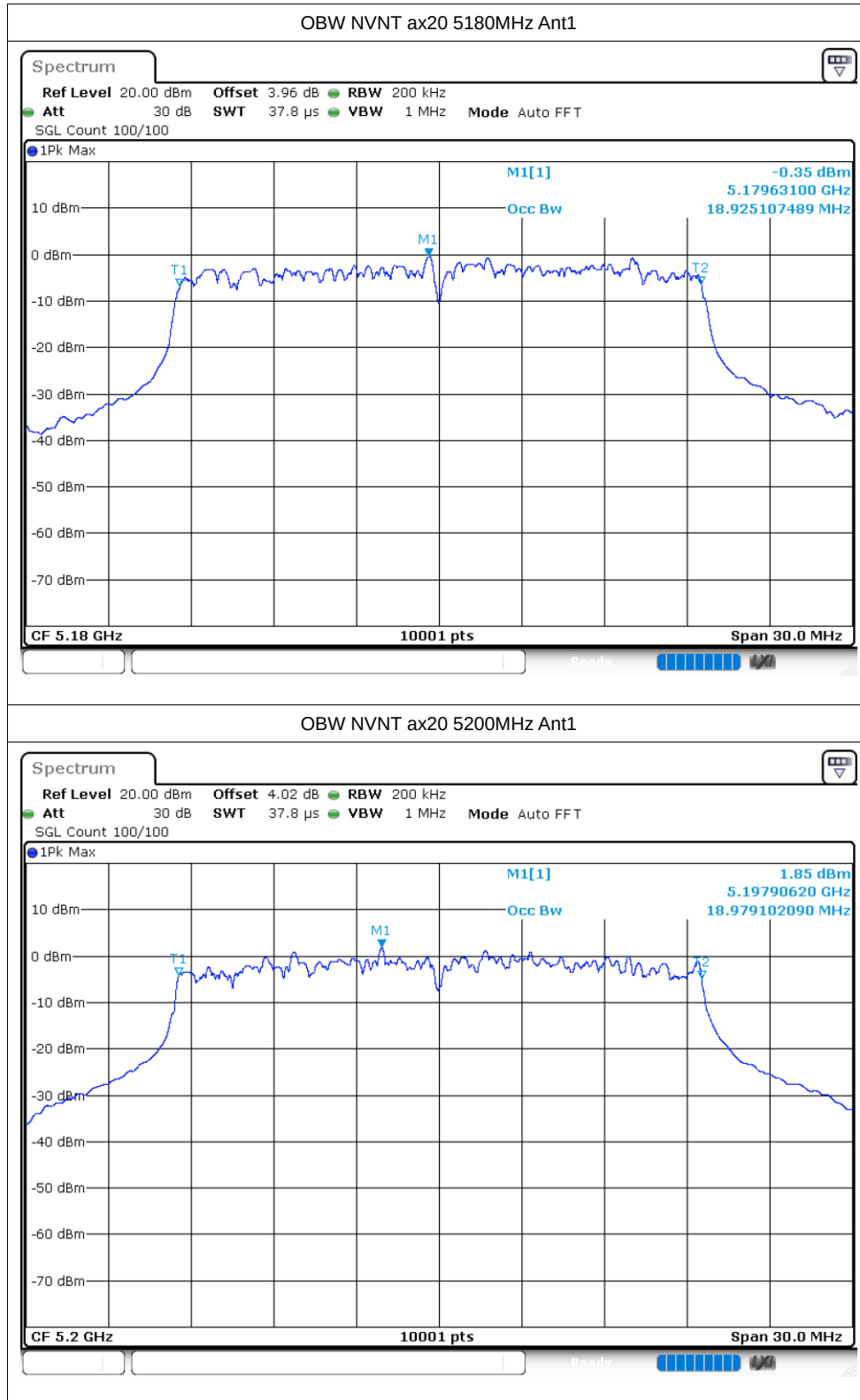


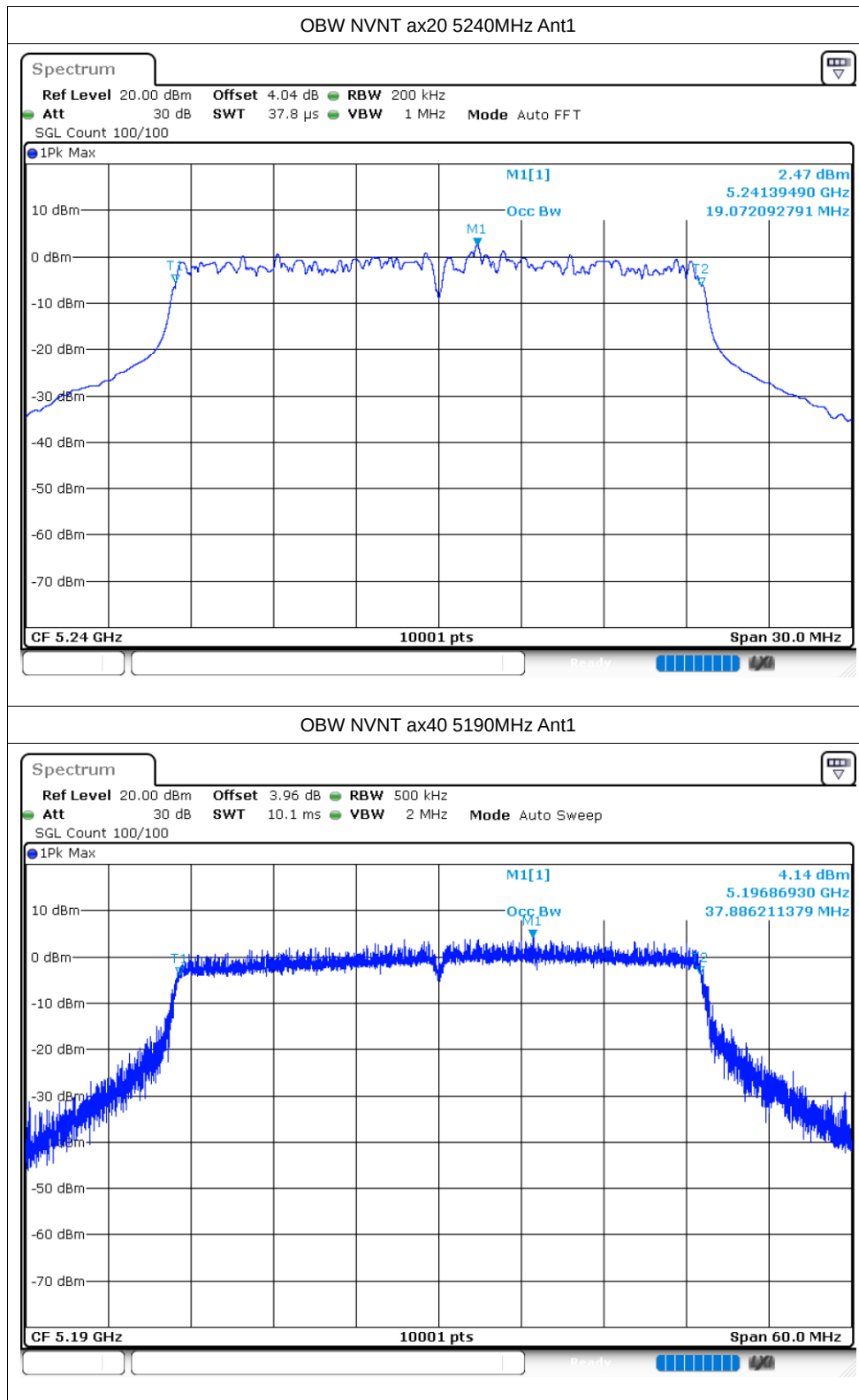


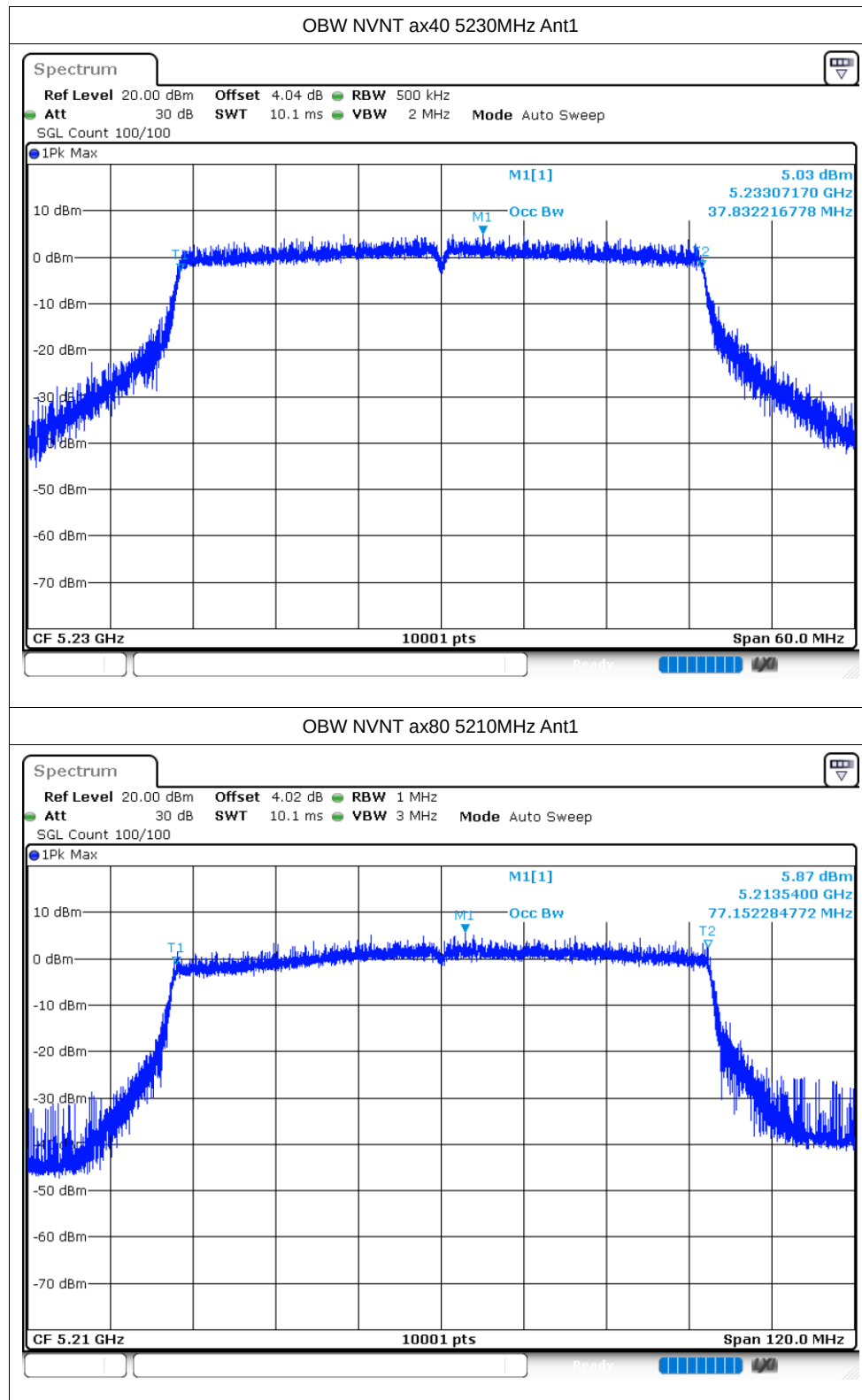










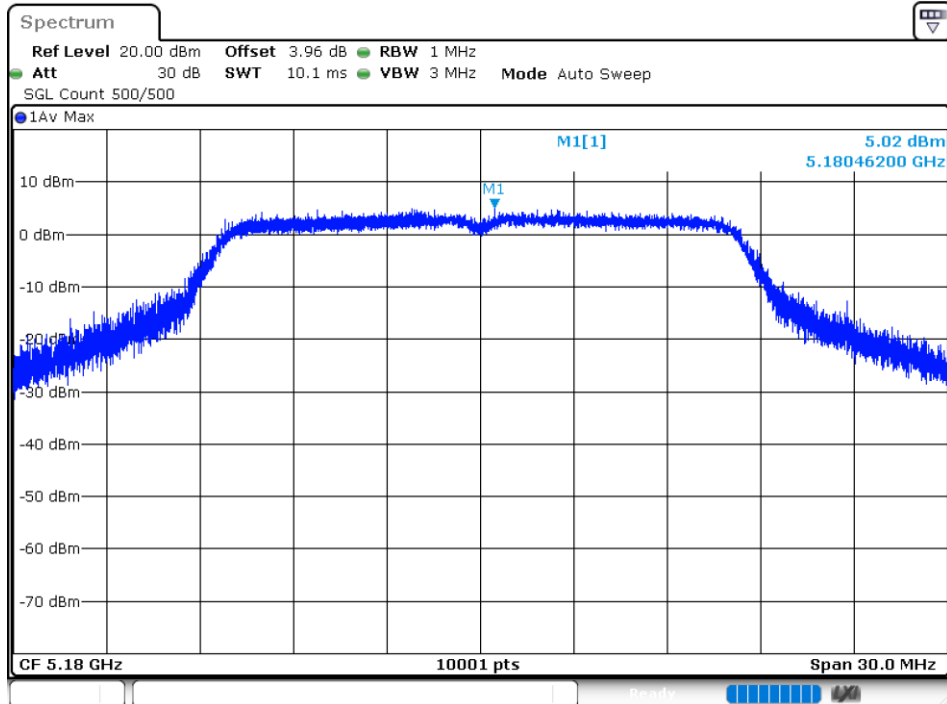


## Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Duty Factor (dB) | Total PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------------|------------------|-----------------|-------------|---------|
| NVNT      | a    | 5180            | Ant1    | 5.02                | 1.72             | 6.74            | 11          | Pass    |
| NVNT      | a    | 5200            | Ant1    | 4.21                | 1.76             | 5.97            | 11          | Pass    |
| NVNT      | a    | 5240            | Ant1    | 4.03                | 1.73             | 5.76            | 11          | Pass    |
| NVNT      | n20  | 5180            | Ant1    | 3.72                | 0.61             | 4.33            | 11          | Pass    |
| NVNT      | n20  | 5200            | Ant1    | 4.9                 | 0.64             | 5.54            | 11          | Pass    |
| NVNT      | n20  | 5240            | Ant1    | 3.89                | 0.61             | 4.5             | 11          | Pass    |
| NVNT      | n40  | 5190            | Ant1    | 2.55                | 1.15             | 3.7             | 11          | Pass    |
| NVNT      | n40  | 5230            | Ant1    | 4.05                | 1.15             | 5.2             | 11          | Pass    |
| NVNT      | ac20 | 5180            | Ant1    | 4.32                | 1.84             | 6.16            | 11          | Pass    |
| NVNT      | ac20 | 5200            | Ant1    | 2.78                | 1.84             | 4.62            | 11          | Pass    |
| NVNT      | ac20 | 5240            | Ant1    | 4.03                | 1.82             | 5.85            | 11          | Pass    |
| NVNT      | ac40 | 5190            | Ant1    | 2.35                | 1.13             | 3.48            | 11          | Pass    |
| NVNT      | ac40 | 5230            | Ant1    | 3.85                | 1.18             | 5.03            | 11          | Pass    |
| NVNT      | ac80 | 5210            | Ant1    | 2.44                | 1.22             | 3.66            | 11          | Pass    |
| NVNT      | ax20 | 5180            | Ant1    | 4.38                | 1.12             | 5.5             | 11          | Pass    |
| NVNT      | ax20 | 5200            | Ant1    | 5.31                | 1.14             | 6.45            | 11          | Pass    |
| NVNT      | ax20 | 5240            | Ant1    | 5.96                | 1.12             | 7.08            | 11          | Pass    |
| NVNT      | ax40 | 5190            | Ant1    | 3.51                | 1.47             | 4.98            | 11          | Pass    |
| NVNT      | ax40 | 5230            | Ant1    | 4.65                | 1.42             | 6.07            | 11          | Pass    |
| NVNT      | ax80 | 5210            | Ant1    | 2.54                | 1.48             | 4.02            | 11          | Pass    |

# Test Graphs

## PSD NVNT a 5180MHz Ant1



## PSD NVNT a 5200MHz Ant1

