

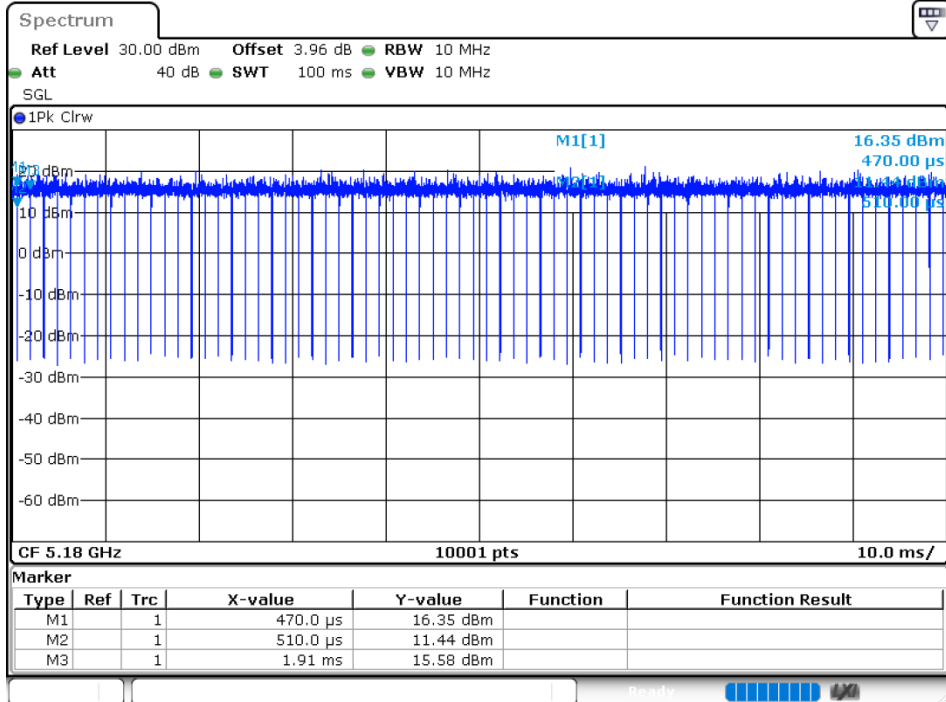
## 5.2G

### Duty Cycle

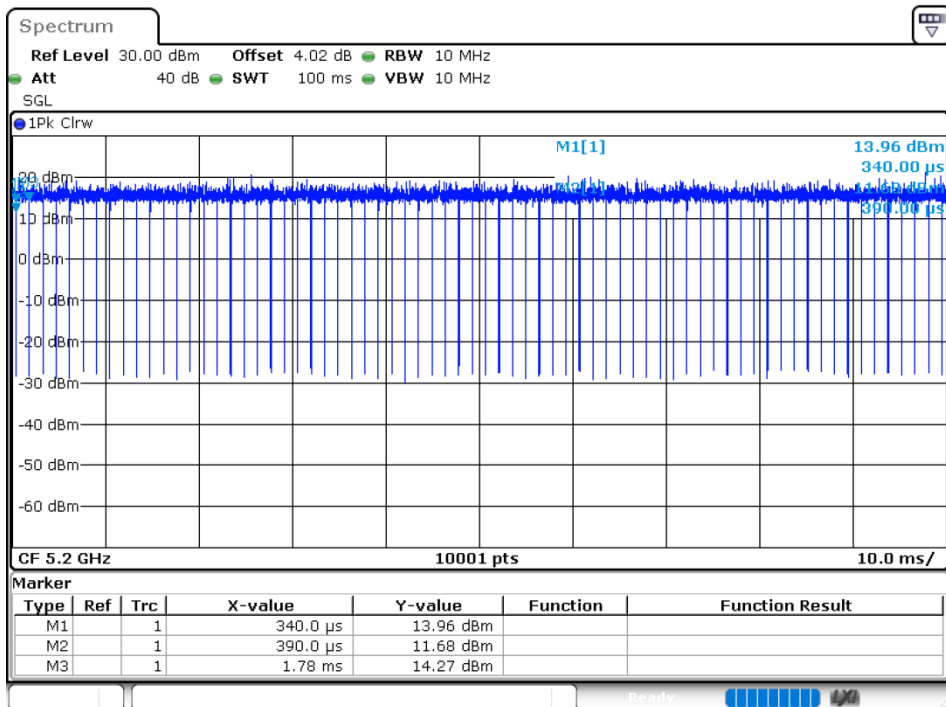
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5180            | Ant1    | 97.58          | 0.11                   | 0.71      |
| NVNT      | a    | 5200            | Ant1    | 97.58          | 0.11                   | 0.72      |
| NVNT      | a    | 5240            | Ant1    | 97.57          | 0.11                   | 0.72      |
| NVNT      | n20  | 5180            | Ant1    | 97.4           | 0.11                   | 0.77      |
| NVNT      | n20  | 5200            | Ant1    | 97.42          | 0.11                   | 0.77      |
| NVNT      | n20  | 5240            | Ant1    | 97.42          | 0.11                   | 0.77      |
| NVNT      | n40  | 5190            | Ant1    | 95.08          | 0.22                   | 1.54      |
| NVNT      | n40  | 5230            | Ant1    | 95.05          | 0.22                   | 1.54      |
| NVNT      | ac20 | 5180            | Ant1    | 97.41          | 0.11                   | 0.76      |
| NVNT      | ac20 | 5200            | Ant1    | 97.5           | 0.11                   | 0.76      |
| NVNT      | ac20 | 5240            | Ant1    | 97.44          | 0.11                   | 0.76      |
| NVNT      | ac40 | 5190            | Ant1    | 95.09          | 0.22                   | 1.54      |
| NVNT      | ac40 | 5230            | Ant1    | 95.12          | 0.22                   | 1.54      |
| NVNT      | ac80 | 5210            | Ant1    | 90.58          | 0.43                   | 3.03      |

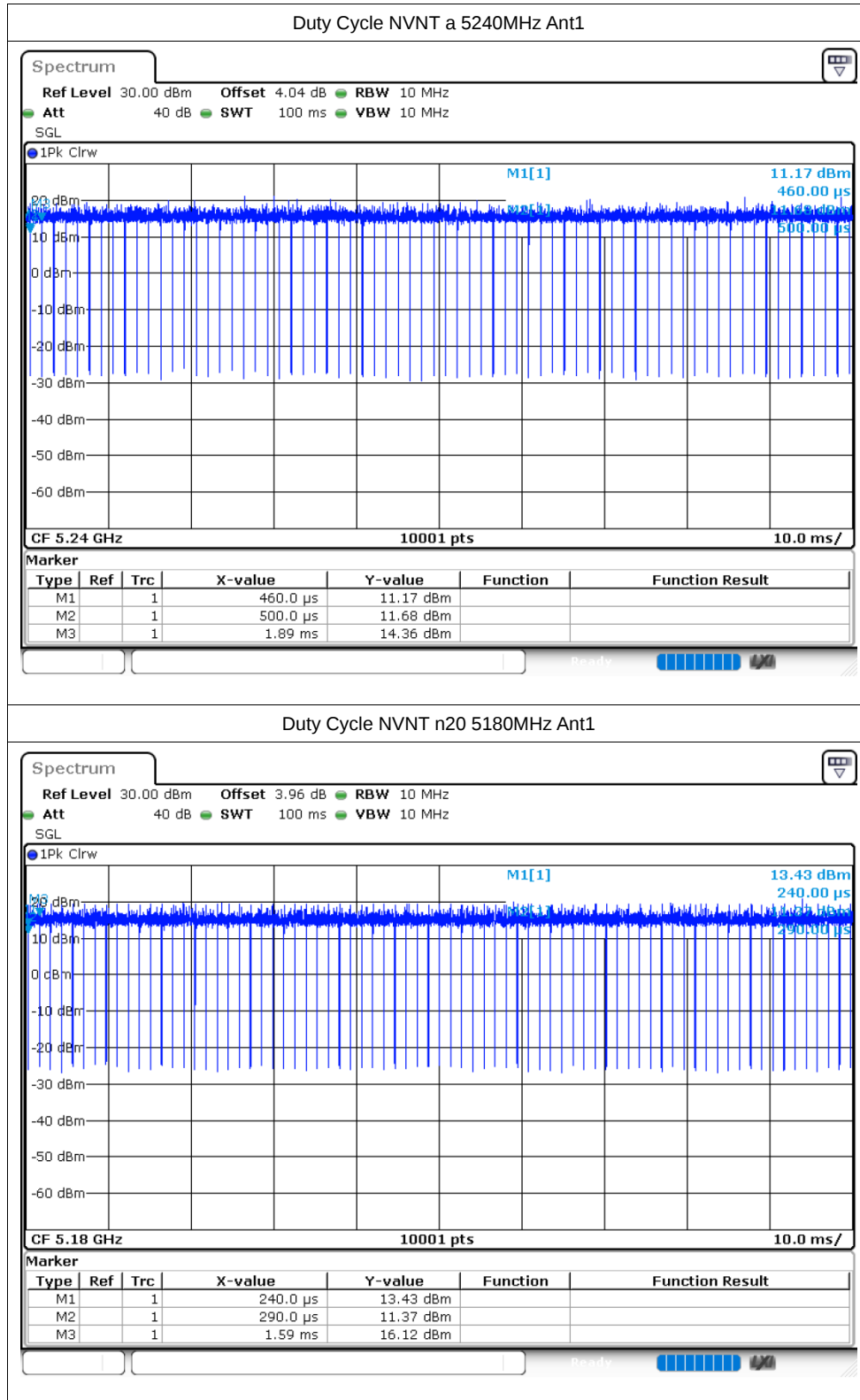
### Test Graphs

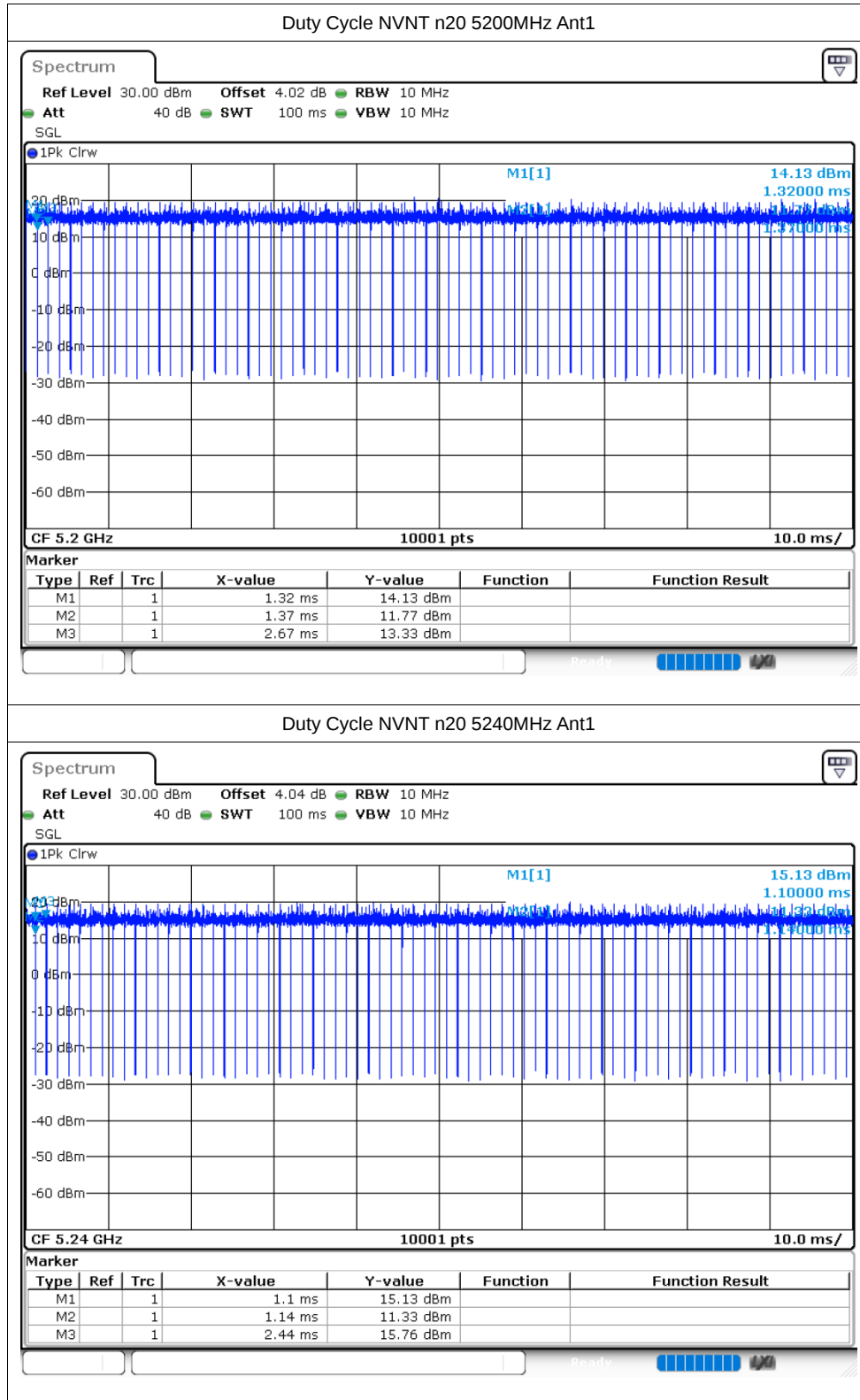
#### Duty Cycle NVNT a 5180MHz Ant1

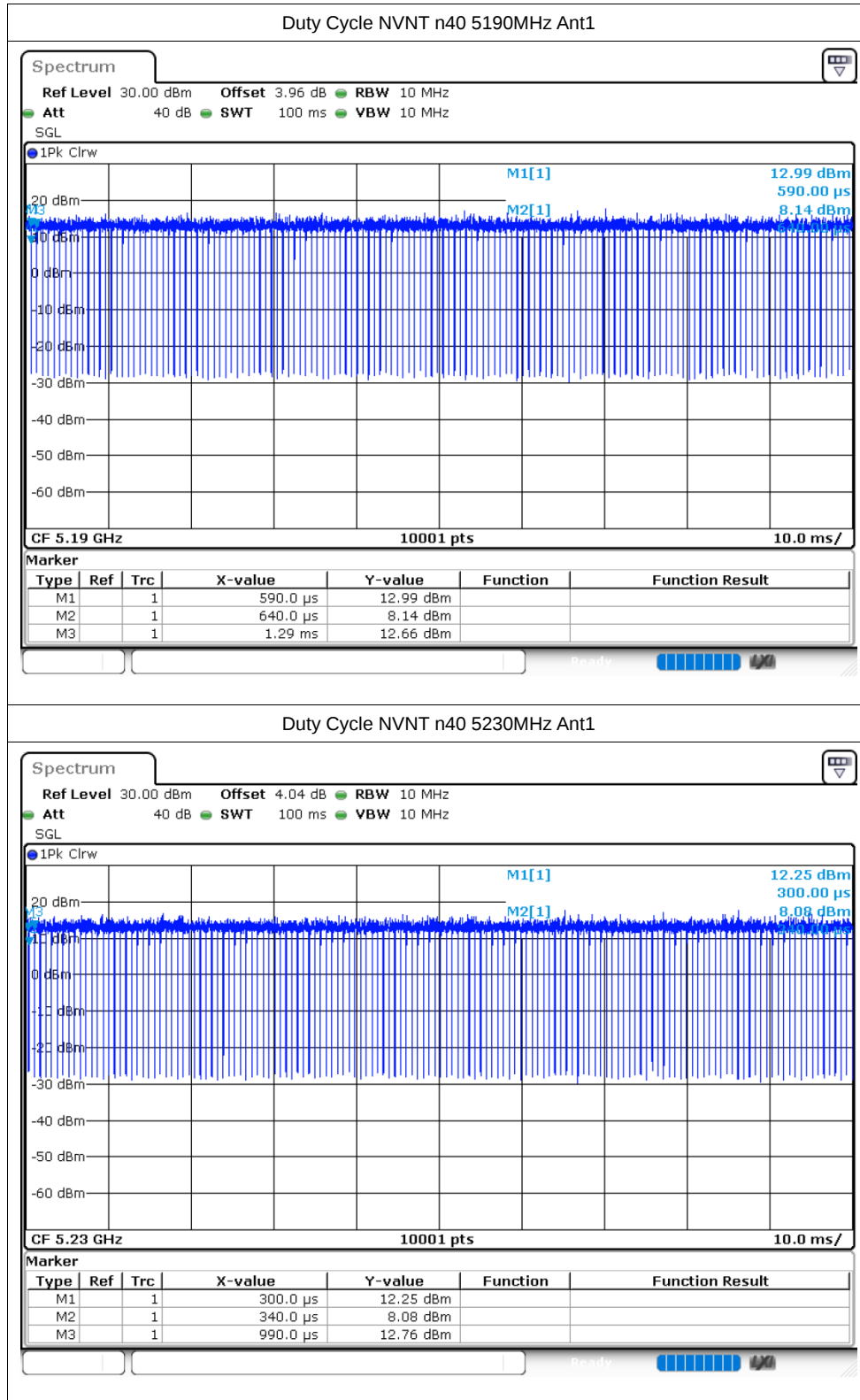


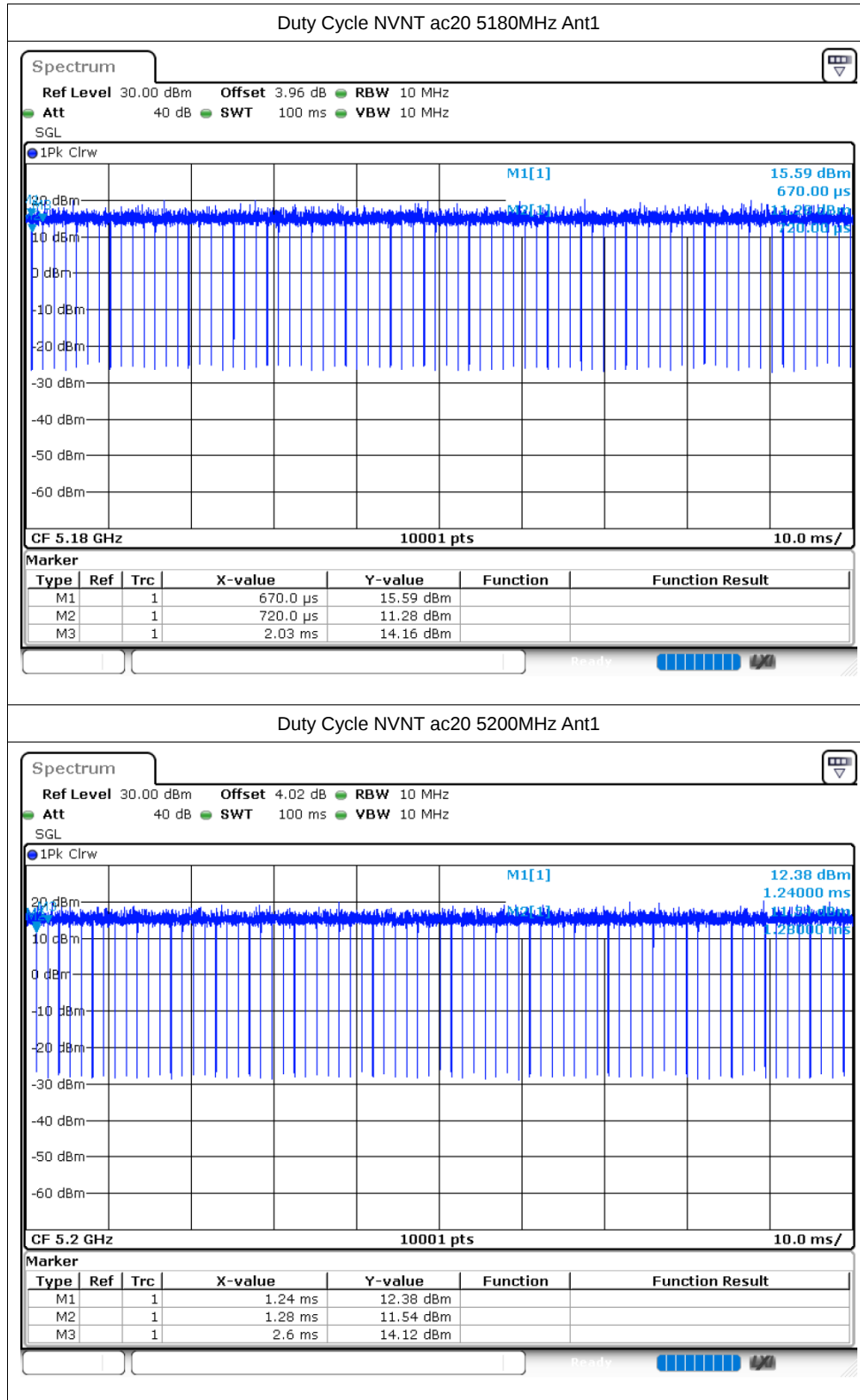
#### Duty Cycle NVNT a 5200MHz Ant1

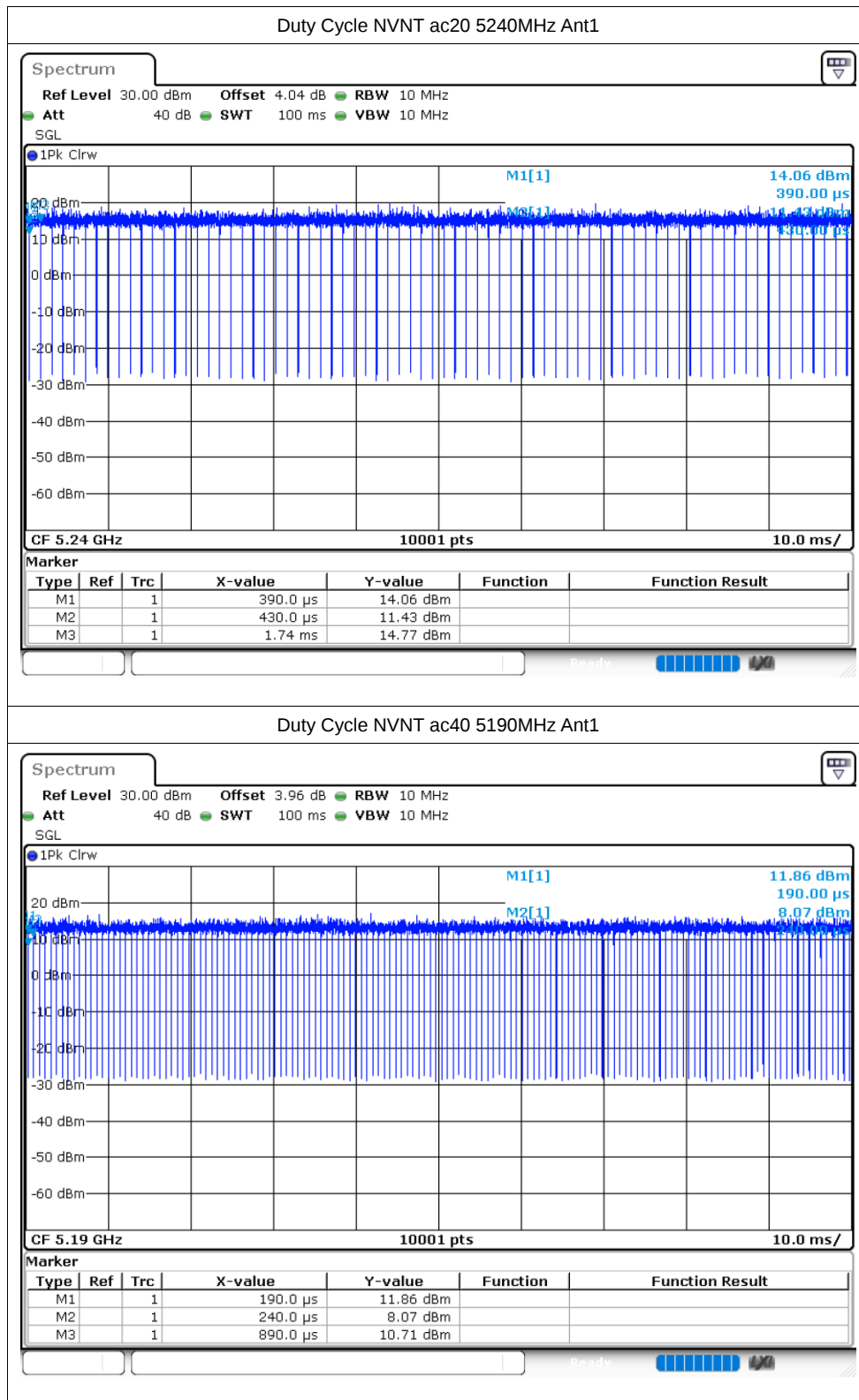


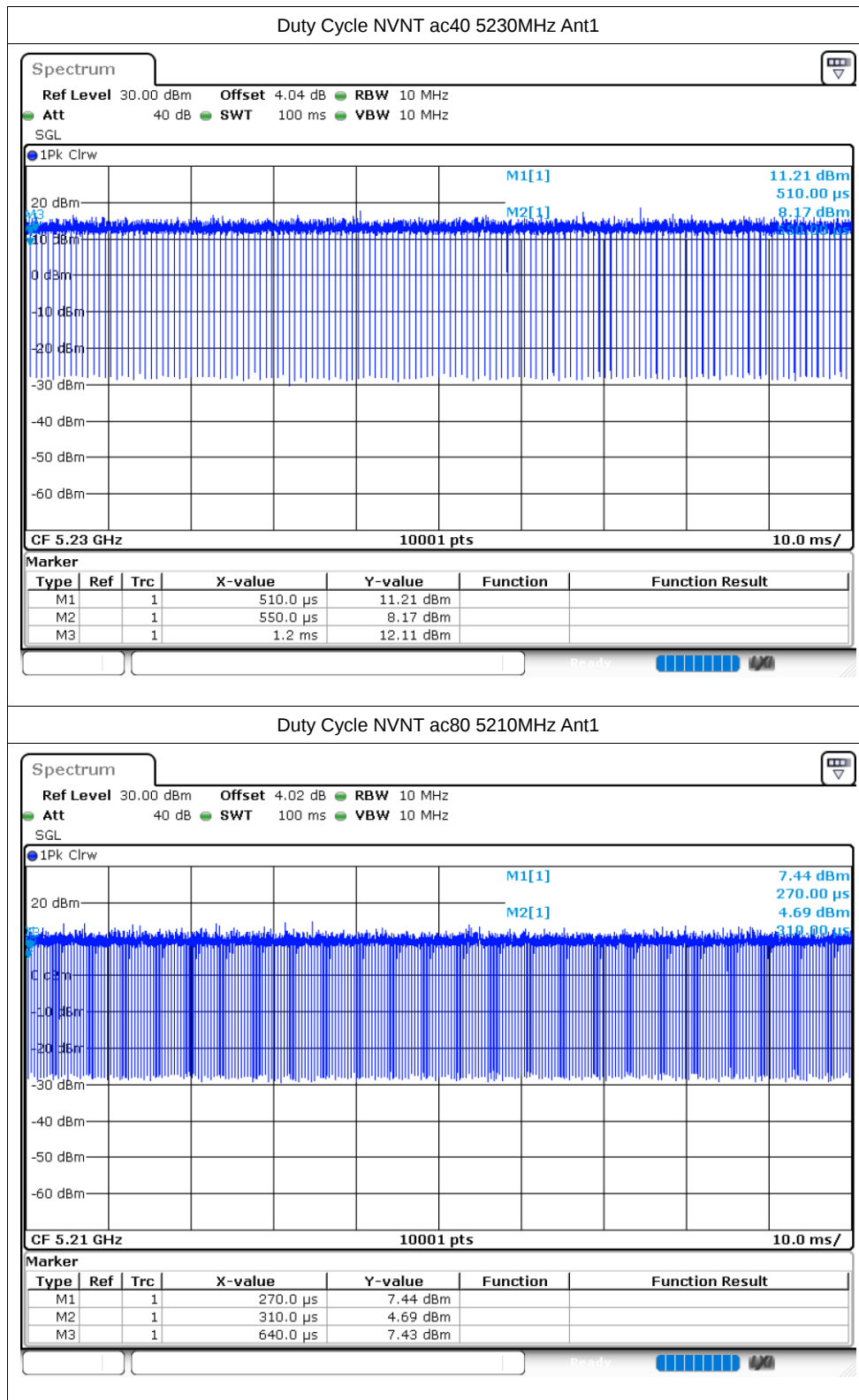












## Maximum Conducted Output Power

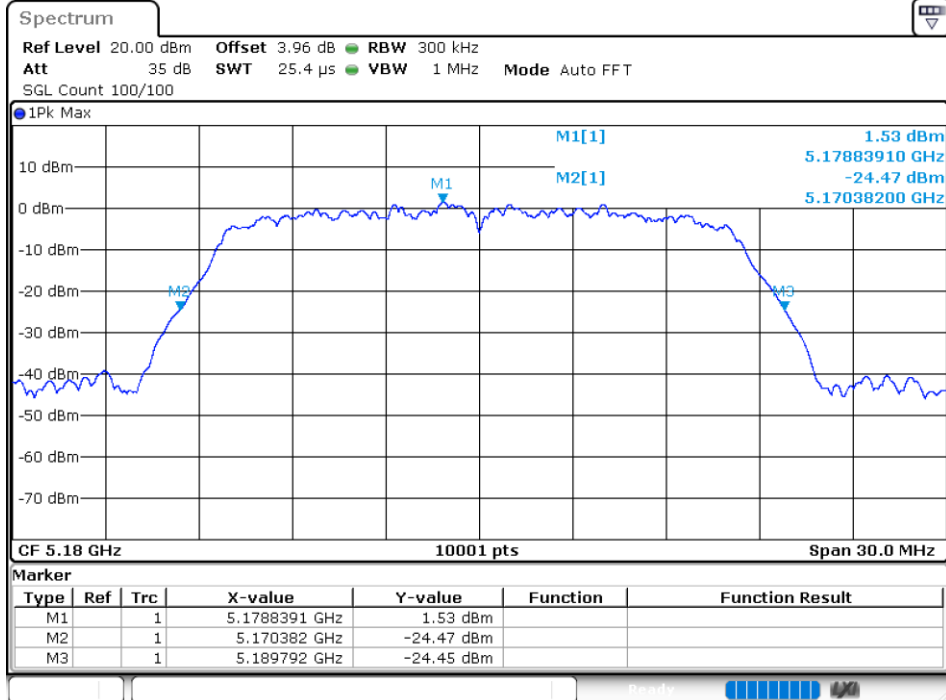
| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------------|----------------|---------|
| NVNT      | a    | 5180               | Ant1    | 10.25                    | 24             | Pass    |
| NVNT      | a    | 5200               | Ant1    | 10.17                    | 24             | Pass    |
| NVNT      | a    | 5240               | Ant1    | 10.15                    | 24             | Pass    |
| NVNT      | n20  | 5180               | Ant1    | 11.12                    | 24             | Pass    |
| NVNT      | n20  | 5200               | Ant1    | 11.15                    | 24             | Pass    |
| NVNT      | n20  | 5240               | Ant1    | 11.26                    | 24             | Pass    |
| NVNT      | n40  | 5190               | Ant1    | 11.08                    | 24             | Pass    |
| NVNT      | n40  | 5230               | Ant1    | 11.5                     | 24             | Pass    |
| NVNT      | ac20 | 5180               | Ant1    | 11.21                    | 24             | Pass    |
| NVNT      | ac20 | 5200               | Ant1    | 11.27                    | 24             | Pass    |
| NVNT      | ac20 | 5240               | Ant1    | 11.39                    | 24             | Pass    |
| NVNT      | ac40 | 5190               | Ant1    | 11.02                    | 24             | Pass    |
| NVNT      | ac40 | 5230               | Ant1    | 11.22                    | 24             | Pass    |
| NVNT      | ac80 | 5210               | Ant1    | 10.97                    | 24             | Pass    |

## -26dB Bandwidth

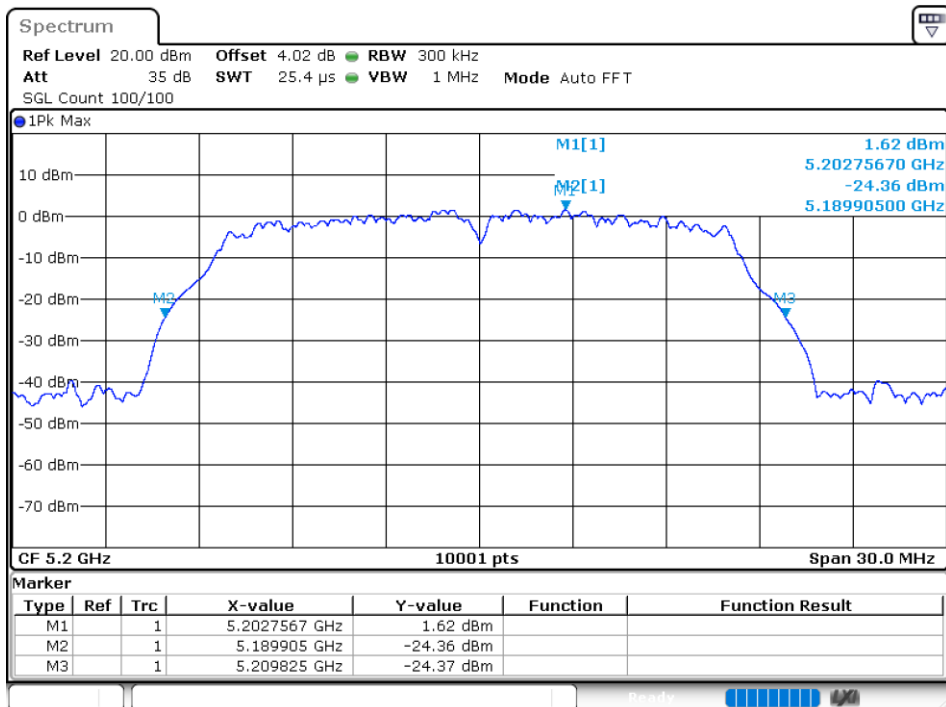
| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Limit -26 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT      | a    | 5180            | Ant1    | 19.41                  | 0.5                          | Pass    |
| NVNT      | a    | 5200            | Ant1    | 19.92                  | 0.5                          | Pass    |
| NVNT      | a    | 5240            | Ant1    | 19.755                 | 0.5                          | Pass    |
| NVNT      | n20  | 5180            | Ant1    | 20.421                 | 0.5                          | Pass    |
| NVNT      | n20  | 5200            | Ant1    | 19.986                 | 0.5                          | Pass    |
| NVNT      | n20  | 5240            | Ant1    | 20.34                  | 0.5                          | Pass    |
| NVNT      | n40  | 5190            | Ant1    | 40.662                 | 0.5                          | Pass    |
| NVNT      | n40  | 5230            | Ant1    | 40.68                  | 0.5                          | Pass    |
| NVNT      | ac20 | 5180            | Ant1    | 20.352                 | 0.5                          | Pass    |
| NVNT      | ac20 | 5200            | Ant1    | 20.352                 | 0.5                          | Pass    |
| NVNT      | ac20 | 5240            | Ant1    | 19.932                 | 0.5                          | Pass    |
| NVNT      | ac40 | 5190            | Ant1    | 40.836                 | 0.5                          | Pass    |
| NVNT      | ac40 | 5230            | Ant1    | 40.848                 | 0.5                          | Pass    |
| NVNT      | ac80 | 5210            | Ant1    | 81.156                 | 0.5                          | Pass    |

Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1

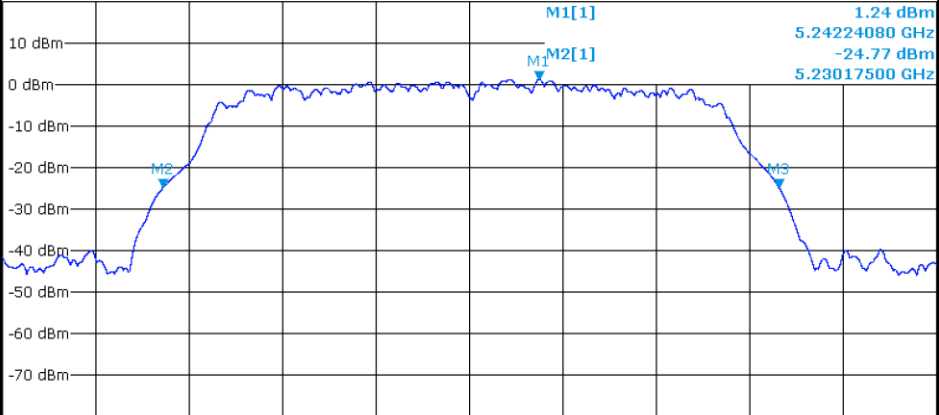


-26dB Bandwidth NVNT a 5240MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.04 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

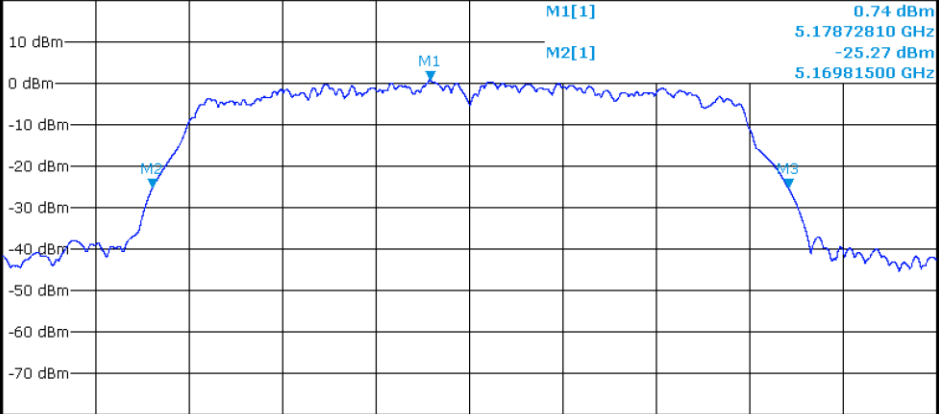
| Type | Ref | Trc | X-value       | Y-value    | Function | Function Result |
|------|-----|-----|---------------|------------|----------|-----------------|
| M1   |     | 1   | 5.2422408 GHz | 1.24 dBm   |          |                 |
| M2   |     | 1   | 5.230175 GHz  | -24.77 dBm |          |                 |
| M3   |     | 1   | 5.24993 GHz   | -24.74 dBm |          |                 |

-26dB Bandwidth NVNT n20 5180MHz Ant1

Spectrum

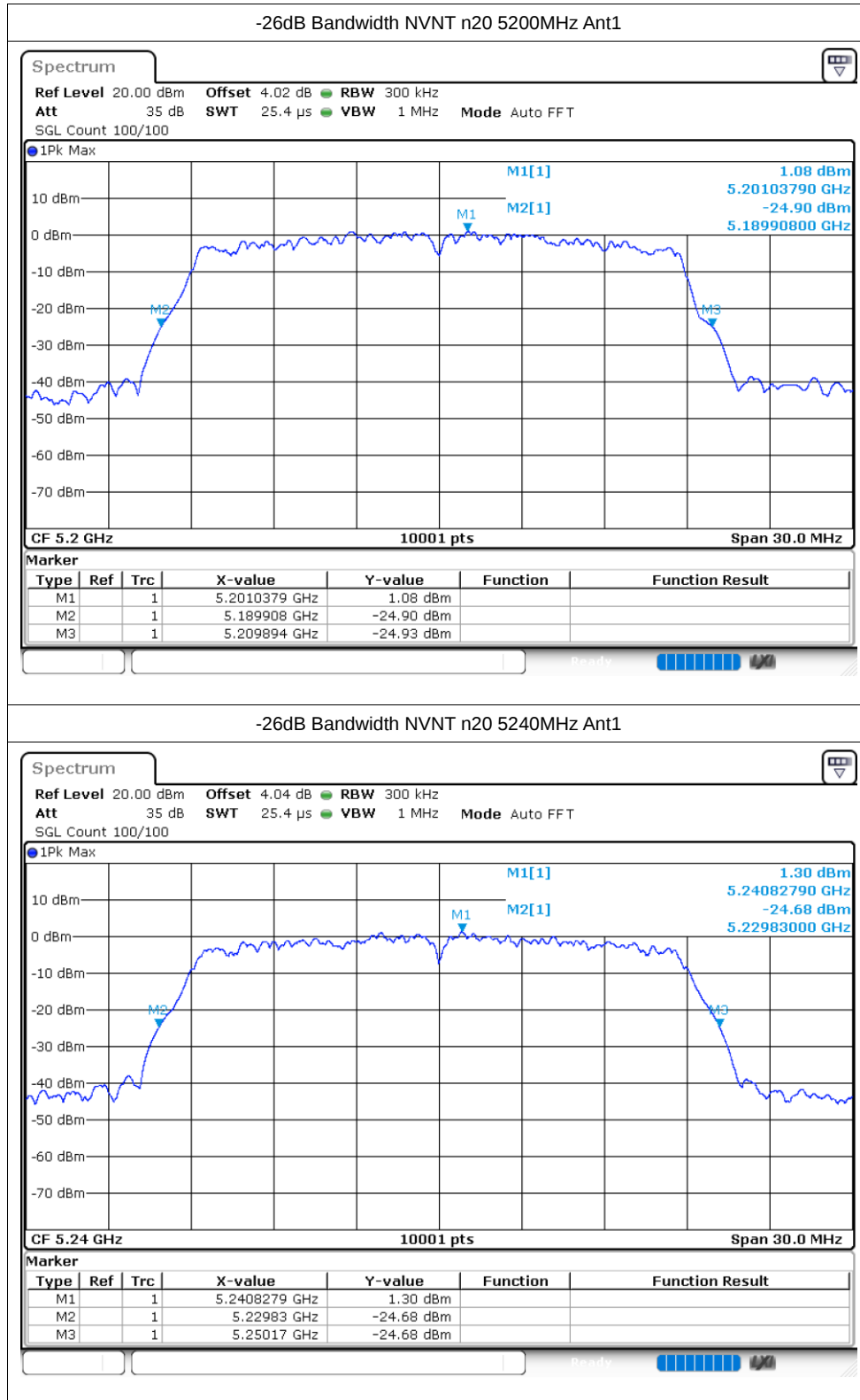
Ref Level 20.00 dBm Offset 3.96 dB RBW 300 kHz  
Att 35 dB SWT 25.4  $\mu$ s VBW 1 MHz Mode Auto FFT  
SGL Count 100/100

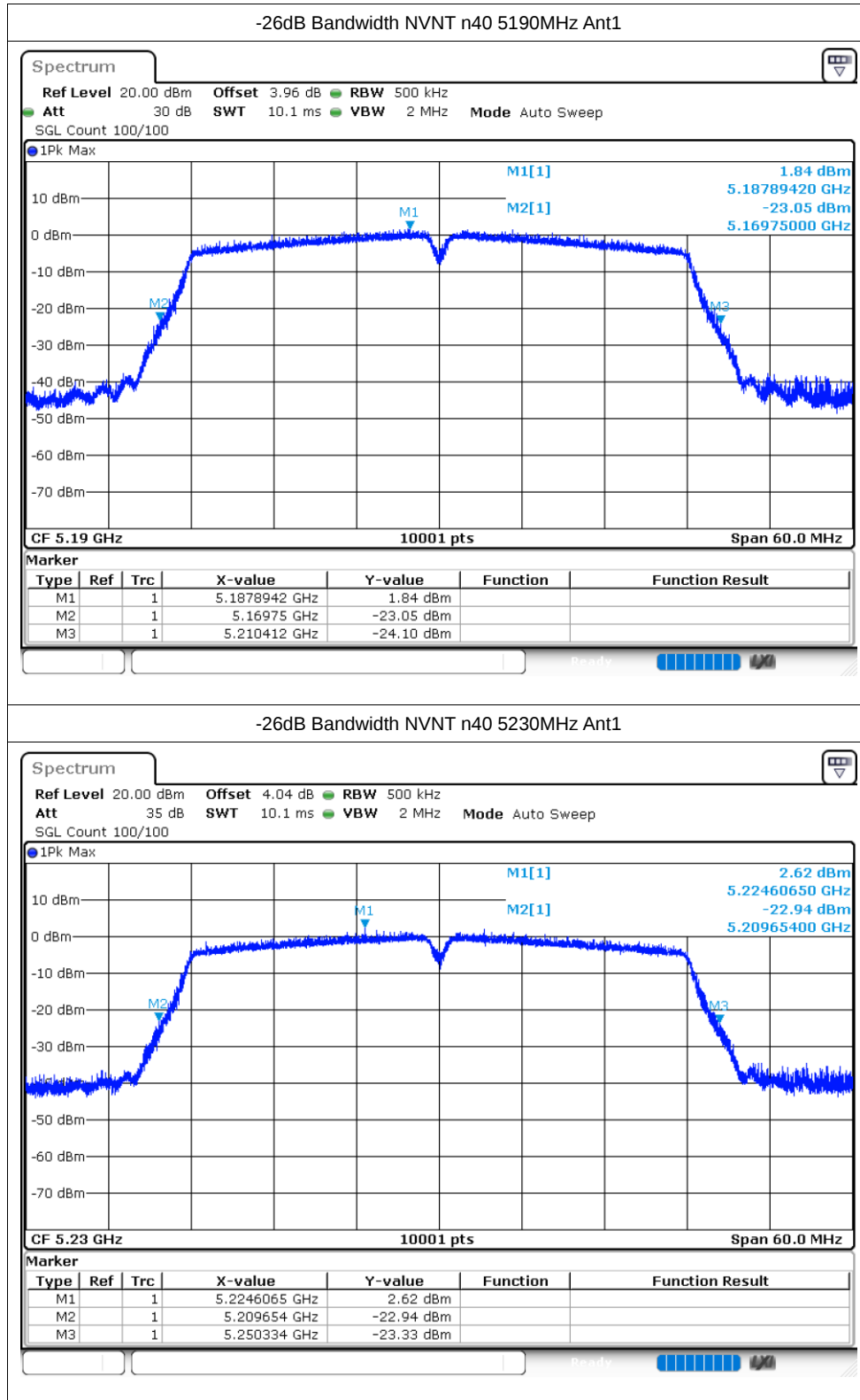
1Pk Max

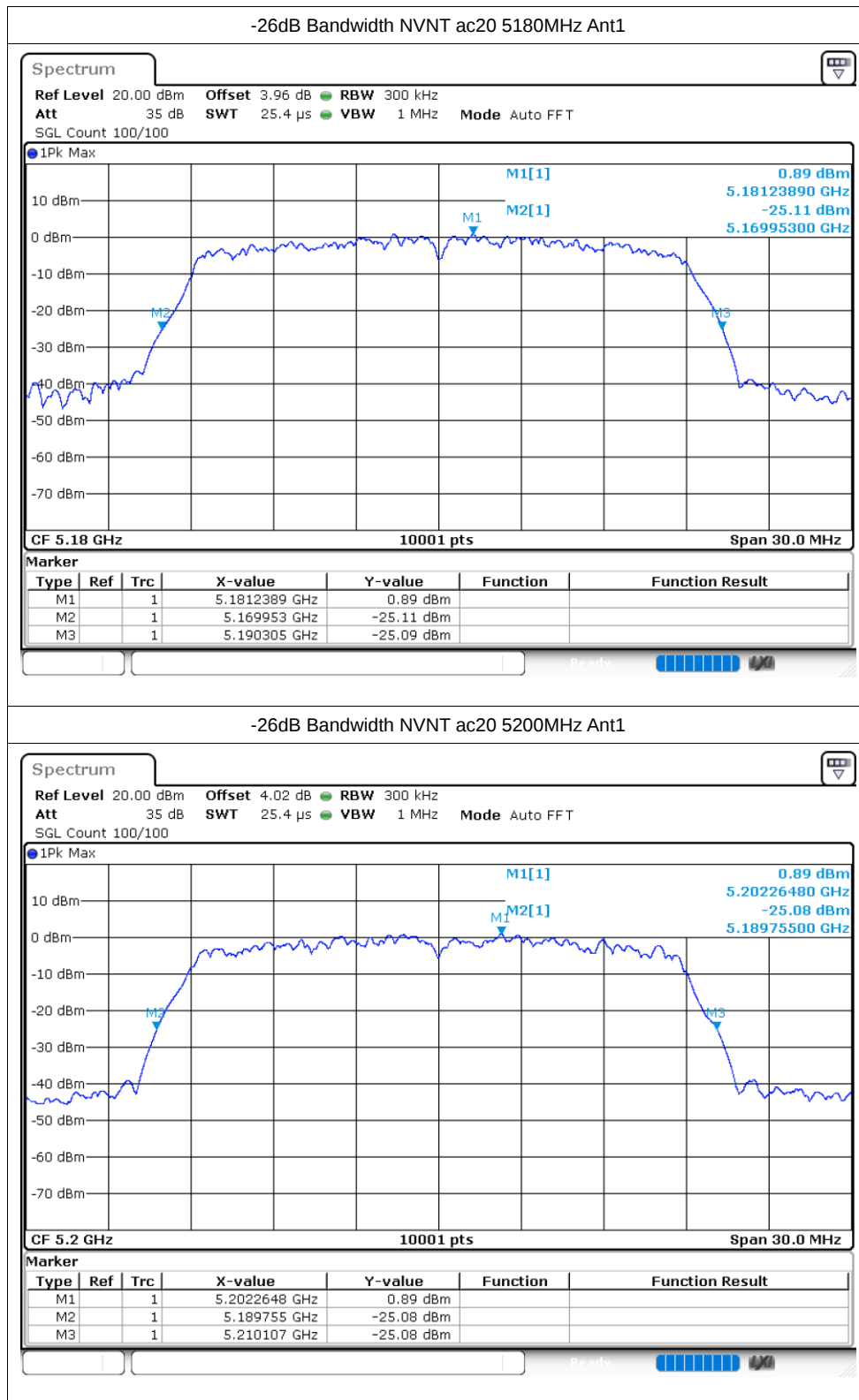


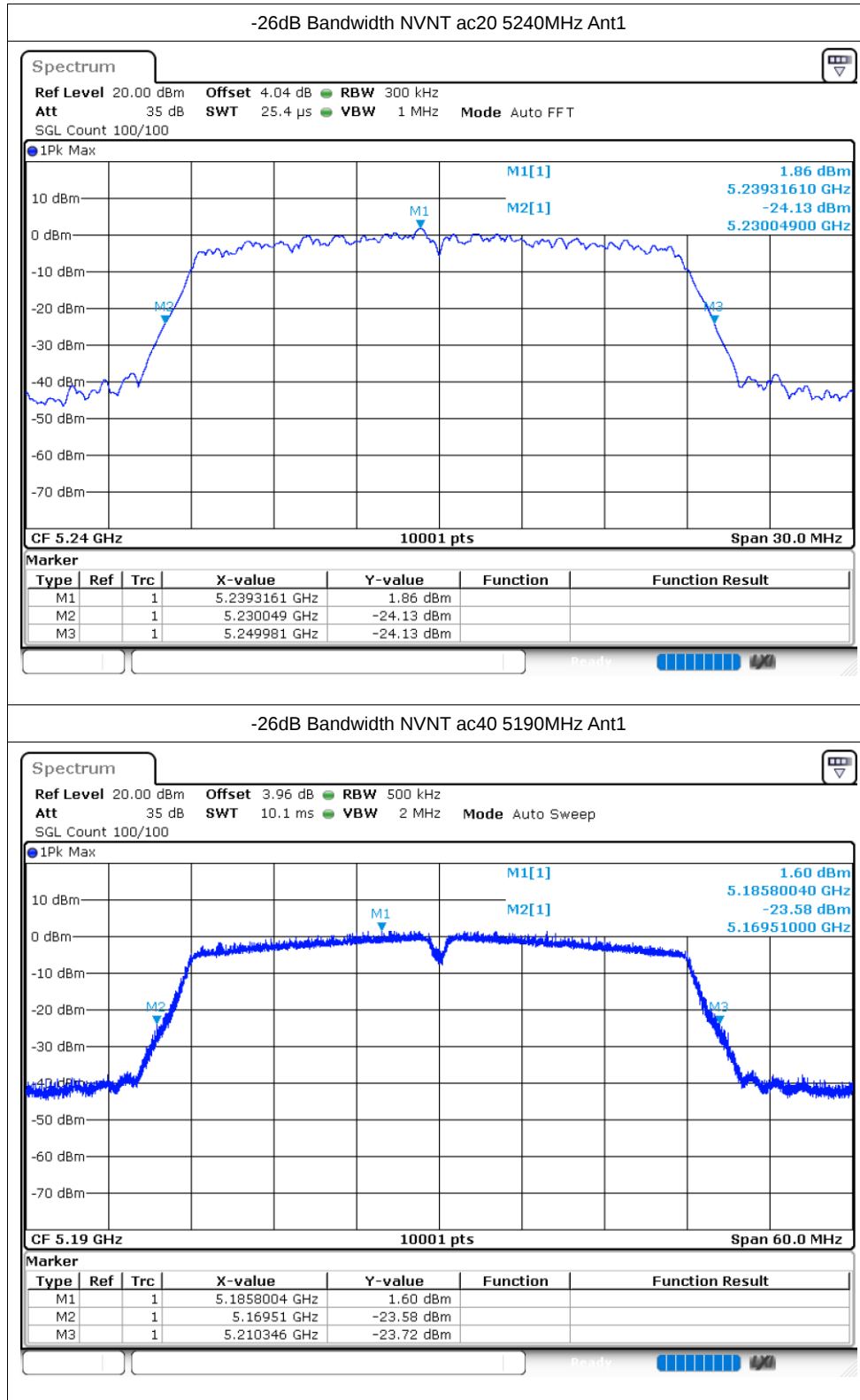
Marker

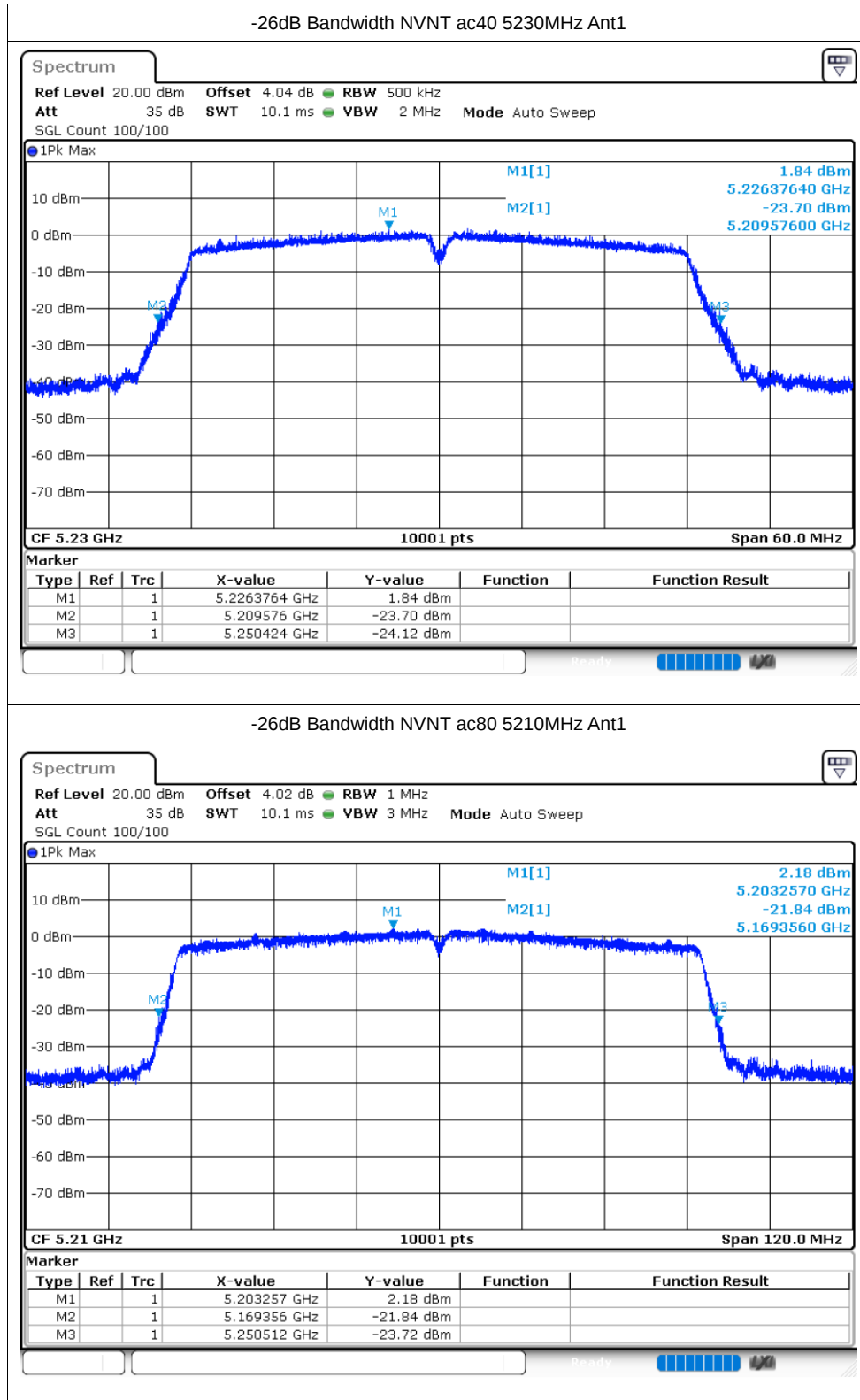
| Type | Ref | Trc | X-value       | Y-value    | Function | Function Result |
|------|-----|-----|---------------|------------|----------|-----------------|
| M1   |     | 1   | 5.1787281 GHz | 0.74 dBm   |          |                 |
| M2   |     | 1   | 5.169815 GHz  | -25.27 dBm |          |                 |
| M3   |     | 1   | 5.190236 GHz  | -25.27 dBm |          |                 |









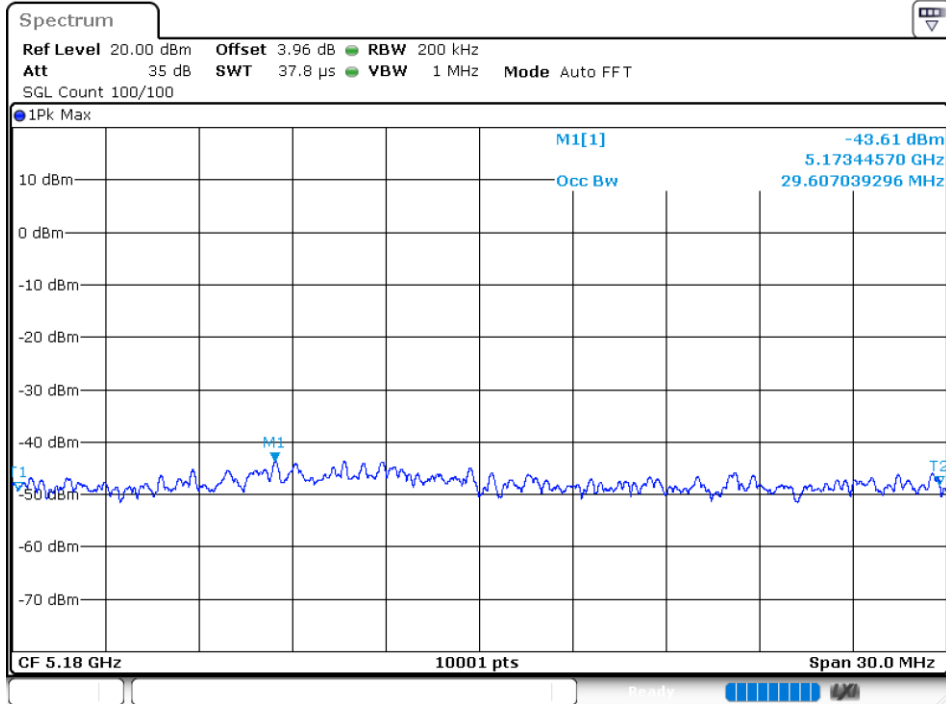


## Occupied Channel Bandwidth

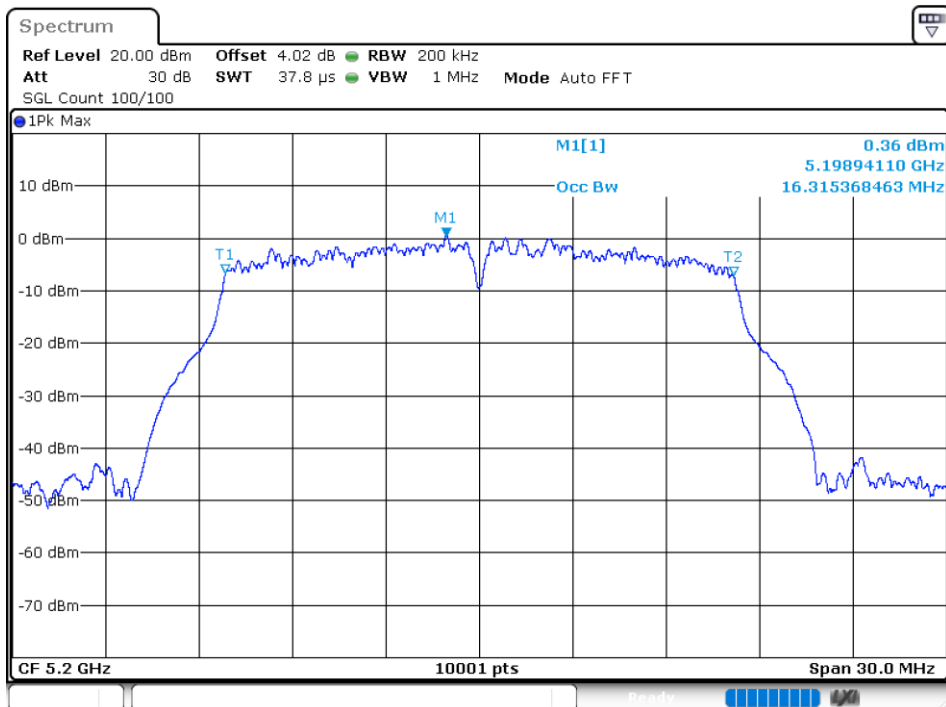
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5180            | Ant1    | 29.607        |
| NVNT      | a    | 5200            | Ant1    | 16.315        |
| NVNT      | a    | 5240            | Ant1    | 16.438        |
| NVNT      | n20  | 5180            | Ant1    | 17.524        |
| NVNT      | n20  | 5200            | Ant1    | 17.53         |
| NVNT      | n20  | 5240            | Ant1    | 17.521        |
| NVNT      | n40  | 5190            | Ant1    | 35.966        |
| NVNT      | n40  | 5230            | Ant1    | 36.038        |
| NVNT      | ac20 | 5180            | Ant1    | 17.509        |
| NVNT      | ac20 | 5200            | Ant1    | 17.47         |
| NVNT      | ac20 | 5240            | Ant1    | 17.515        |
| NVNT      | ac40 | 5190            | Ant1    | 35.966        |
| NVNT      | ac40 | 5230            | Ant1    | 35.99         |
| NVNT      | ac80 | 5210            | Ant1    | 75.136        |

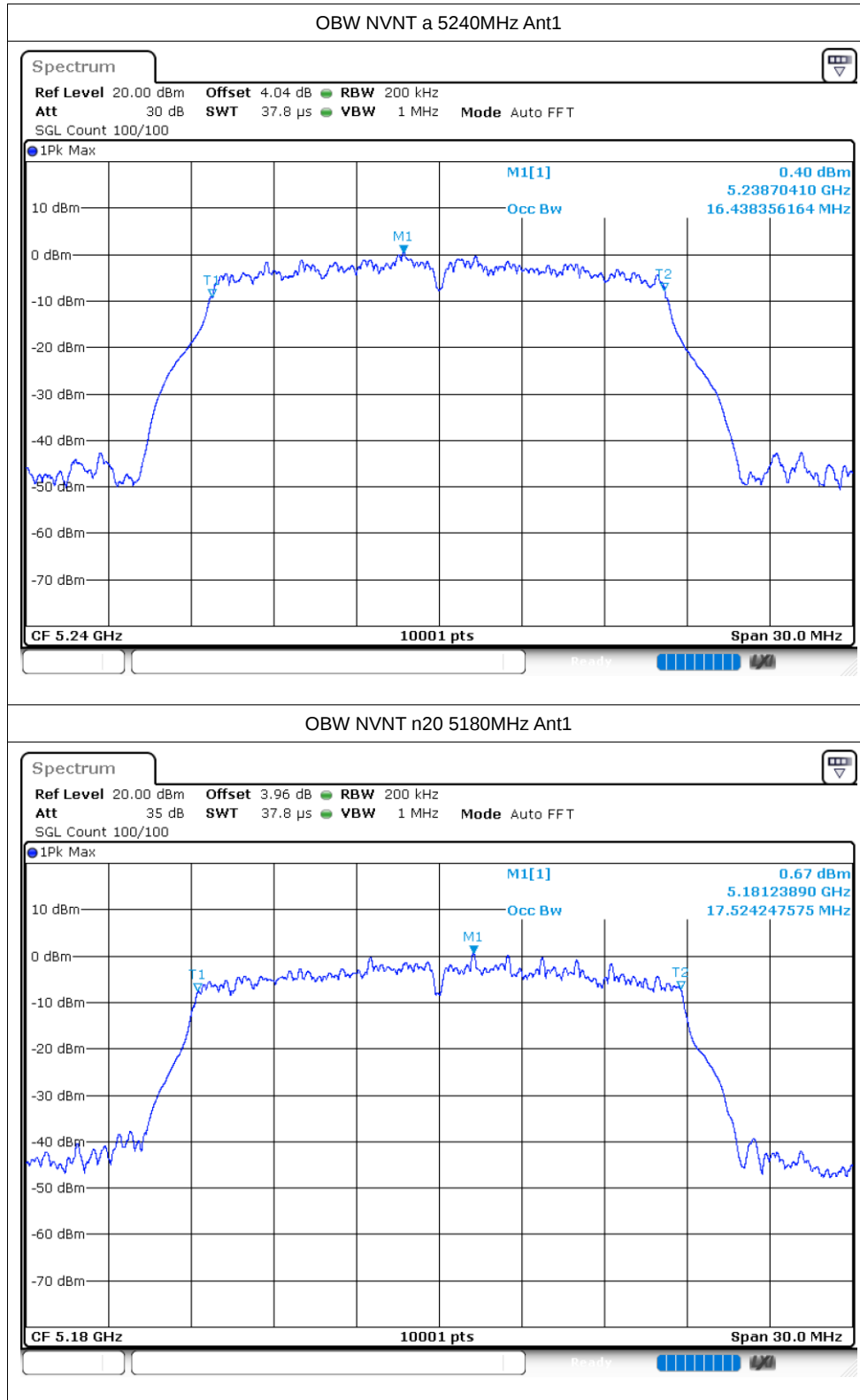
Test Graphs

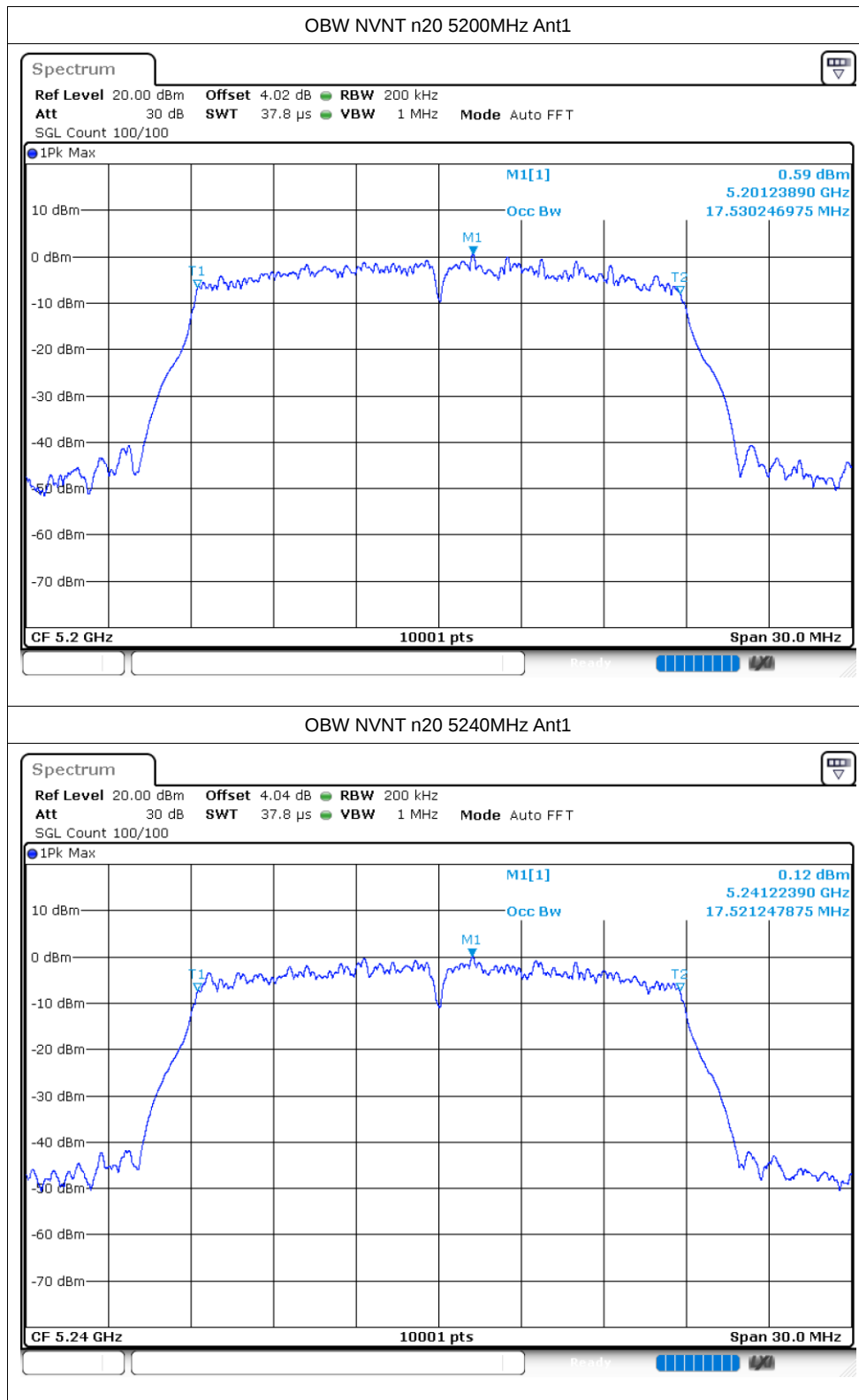
OBW NVNT a 5180MHz Ant1

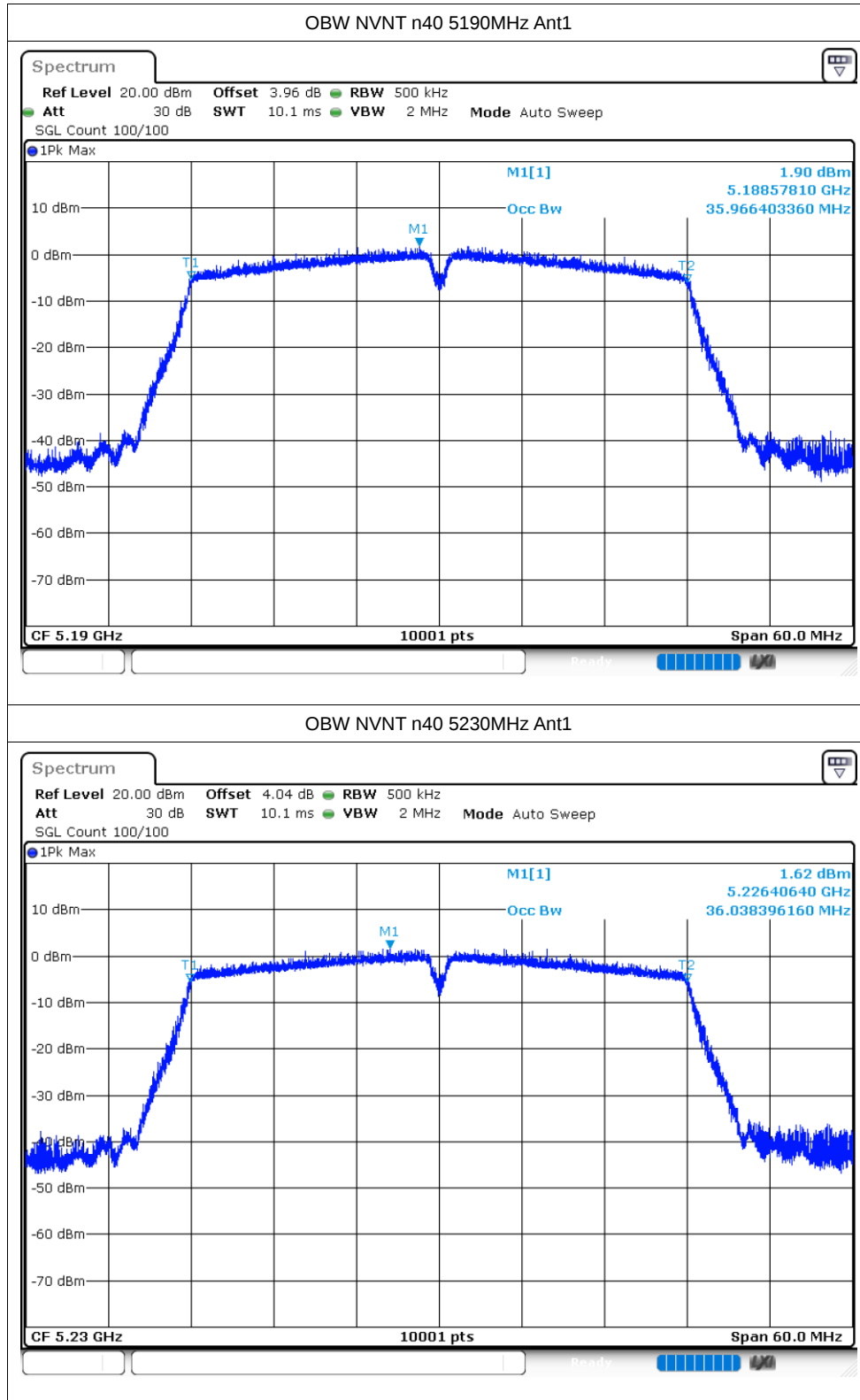


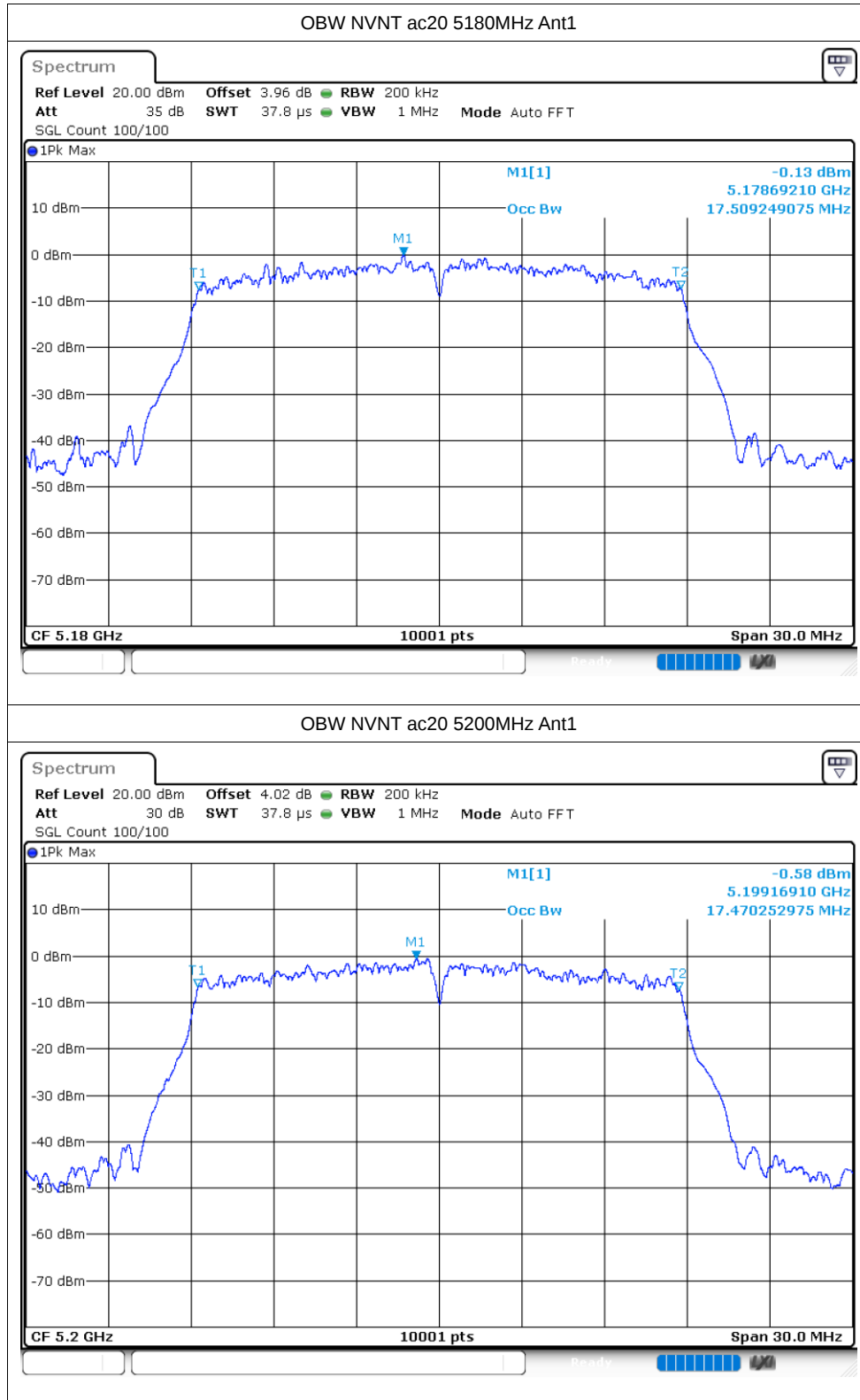
OBW NVNT a 5200MHz Ant1

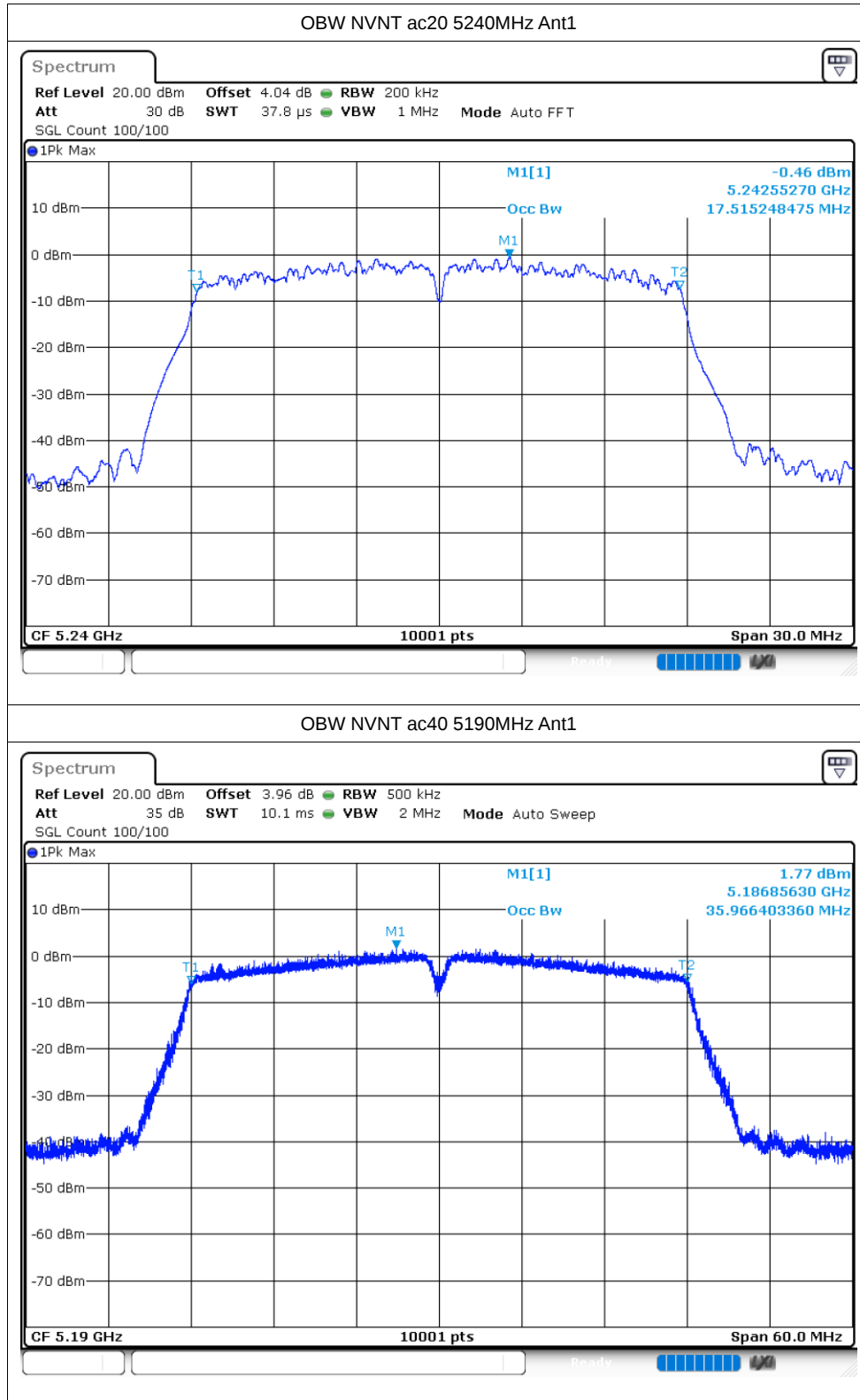


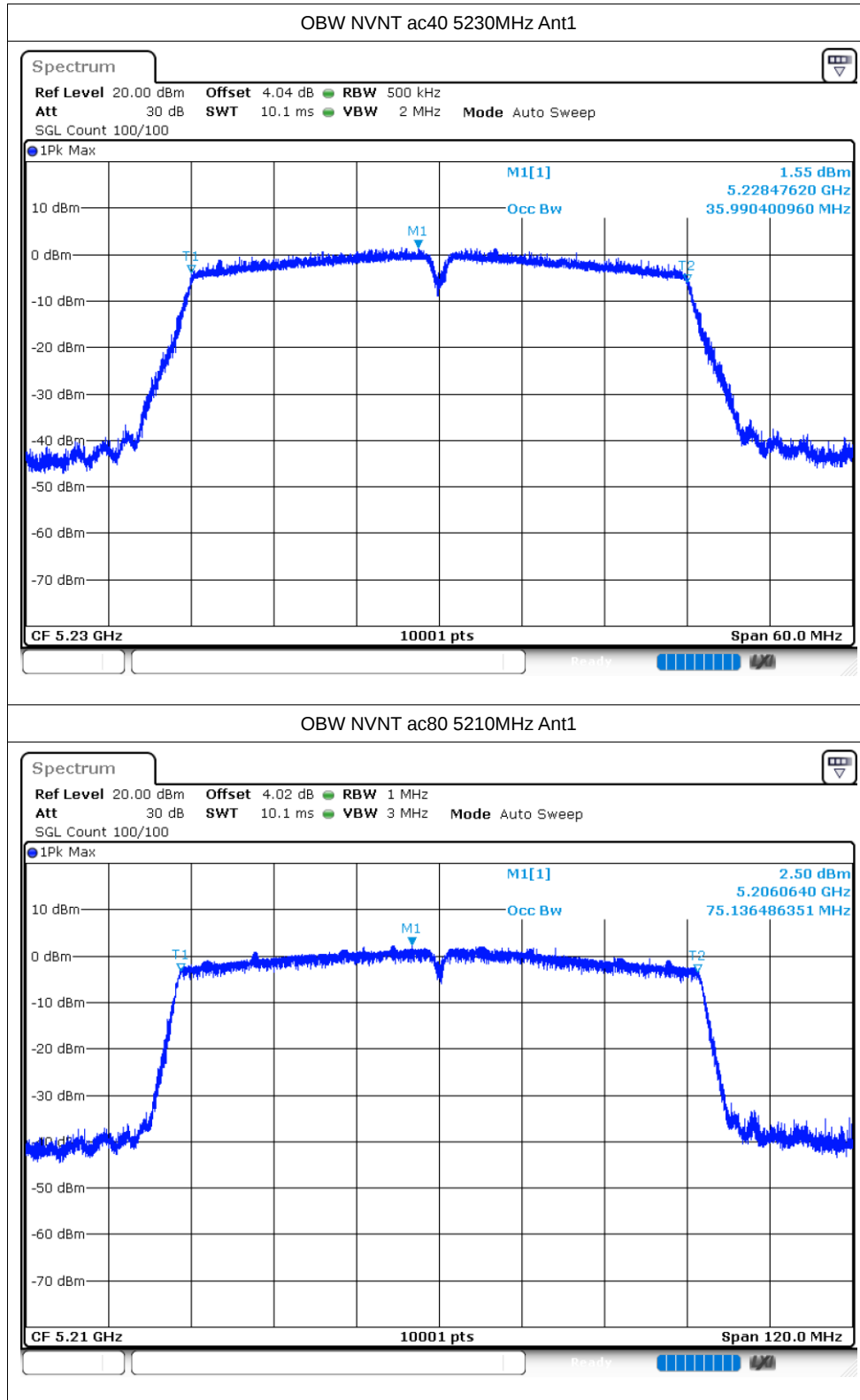










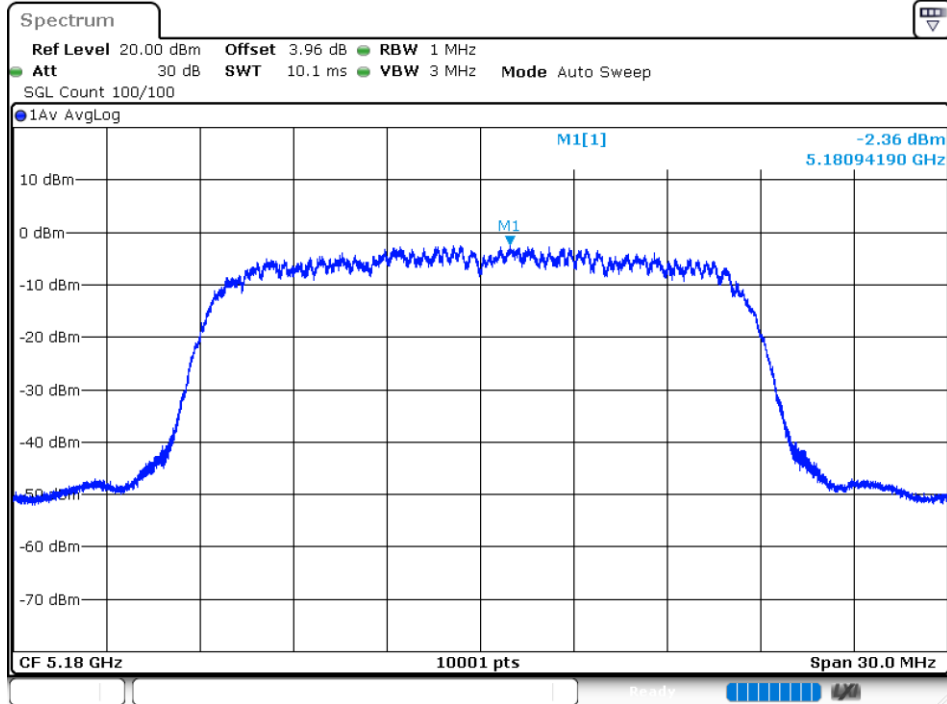


## Maximum Power Spectral Density Level

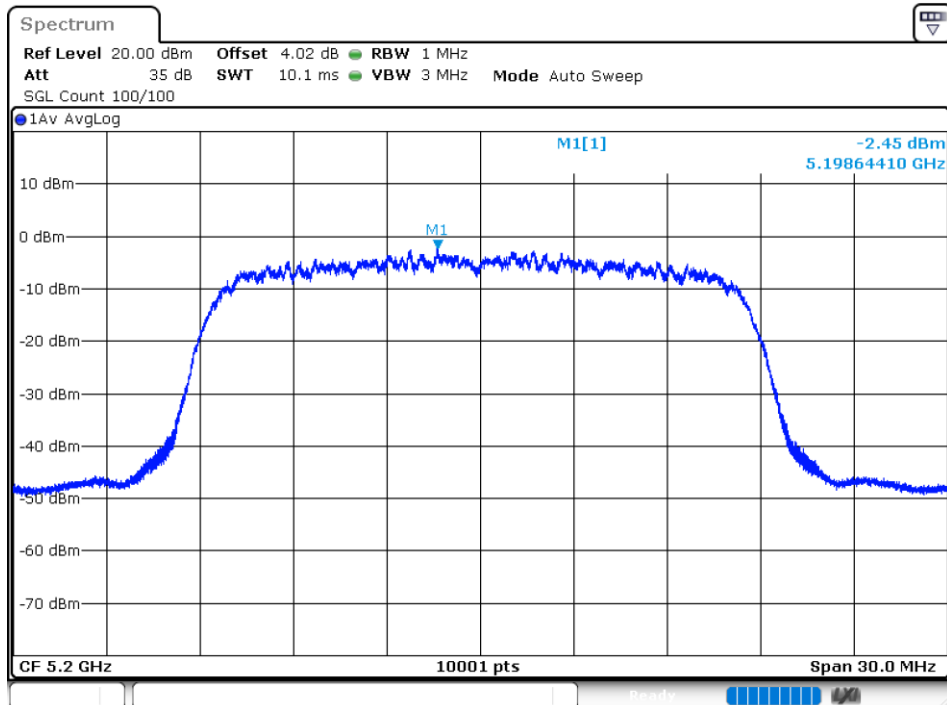
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------------|-------------|---------|
| NVNT      | a    | 5180            | Ant1    | -2.36               | 11          | Pass    |
| NVNT      | a    | 5200            | Ant1    | -2.45               | 11          | Pass    |
| NVNT      | a    | 5240            | Ant1    | -2.41               | 11          | Pass    |
| NVNT      | n20  | 5180            | Ant1    | -1.7                | 11          | Pass    |
| NVNT      | n20  | 5200            | Ant1    | -1.08               | 11          | Pass    |
| NVNT      | n20  | 5240            | Ant1    | -1.64               | 11          | Pass    |
| NVNT      | n40  | 5190            | Ant1    | -4.97               | 11          | Pass    |
| NVNT      | n40  | 5230            | Ant1    | -5.52               | 11          | Pass    |
| NVNT      | ac20 | 5180            | Ant1    | -1.16               | 11          | Pass    |
| NVNT      | ac20 | 5200            | Ant1    | -1.39               | 11          | Pass    |
| NVNT      | ac20 | 5240            | Ant1    | -1.67               | 11          | Pass    |
| NVNT      | ac40 | 5190            | Ant1    | -4.72               | 11          | Pass    |
| NVNT      | ac40 | 5230            | Ant1    | -5.08               | 11          | Pass    |
| NVNT      | ac80 | 5210            | Ant1    | -9.55               | 11          | Pass    |

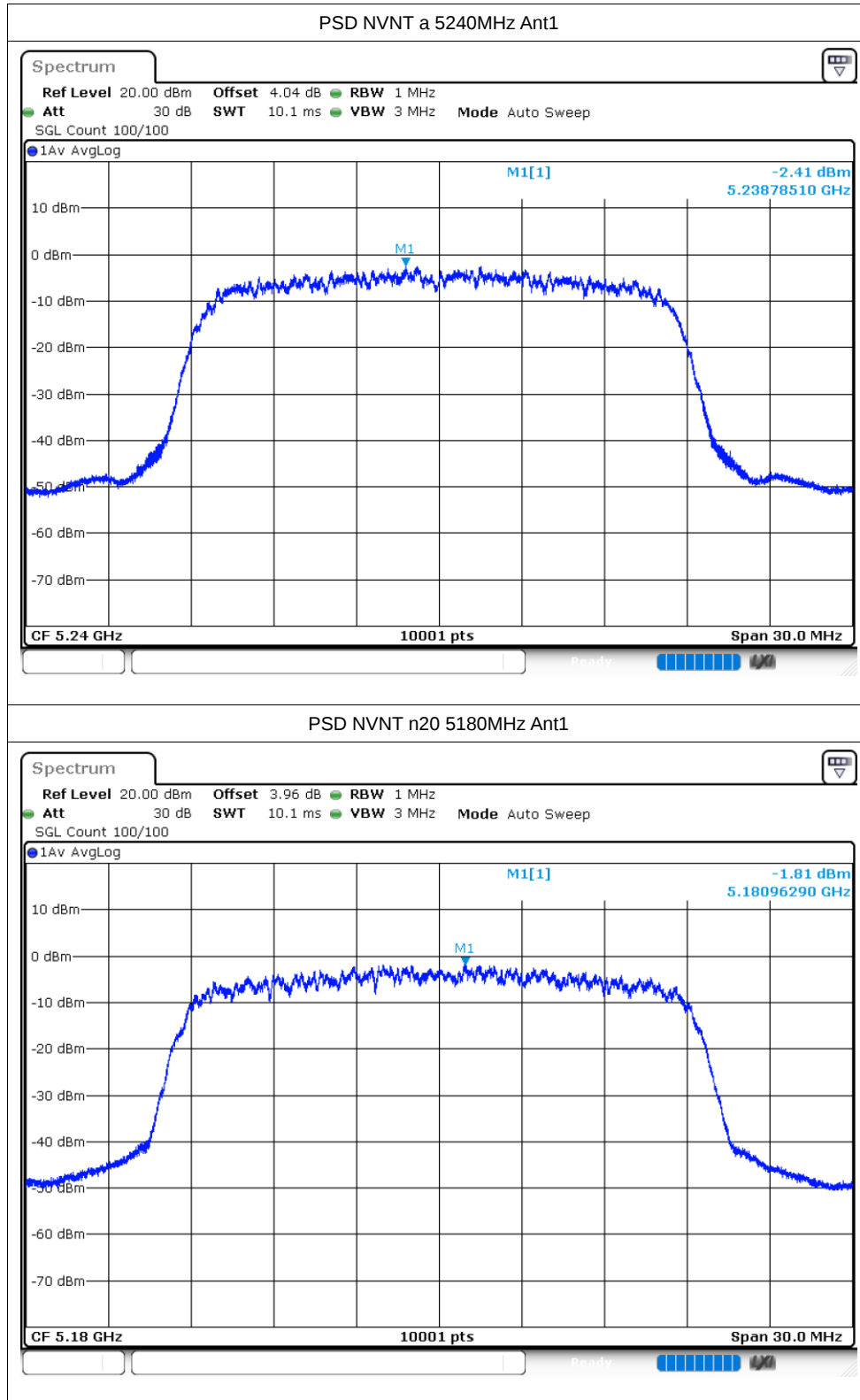
Test Graphs

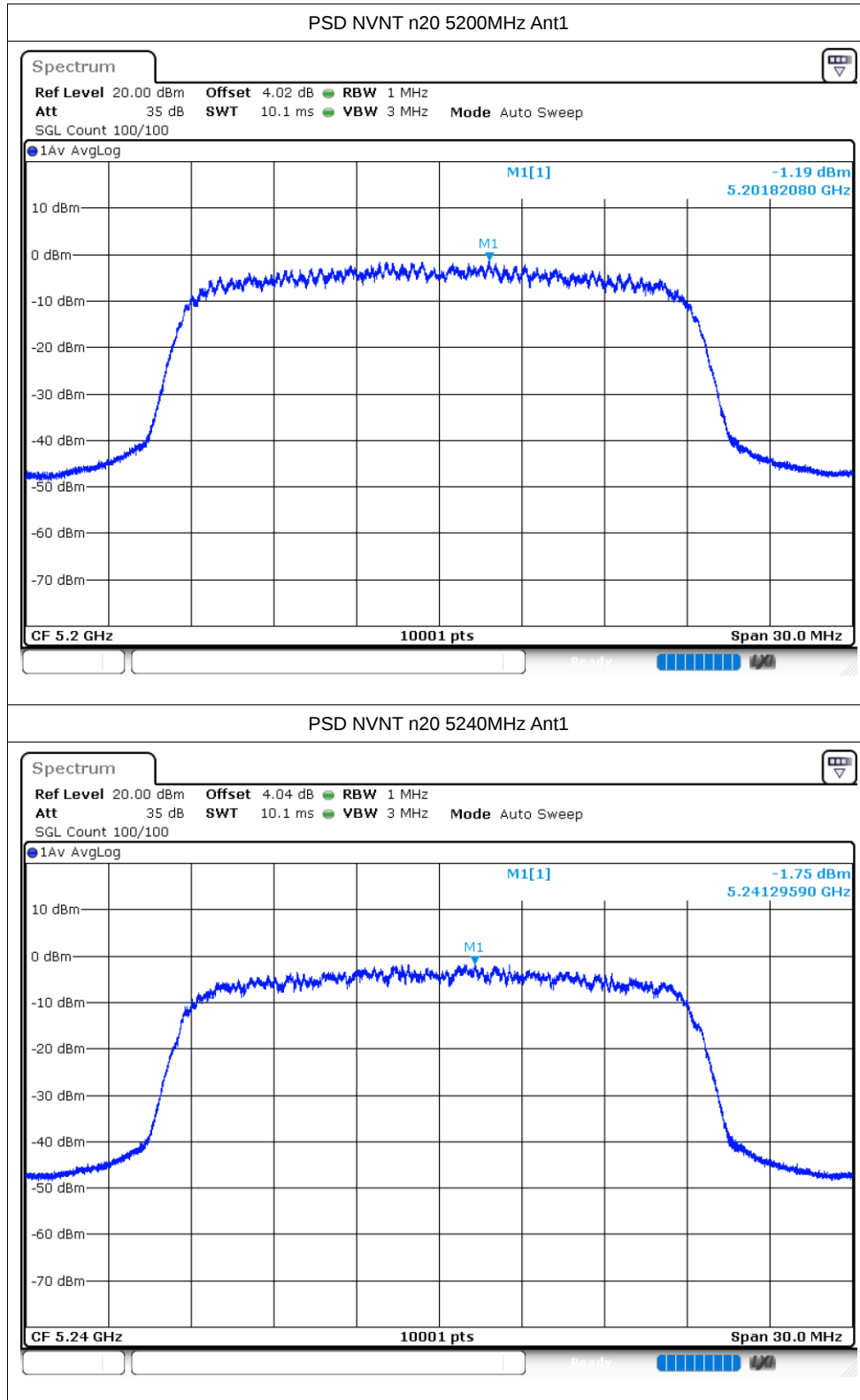
PSD NVNT a 5180MHz Ant1

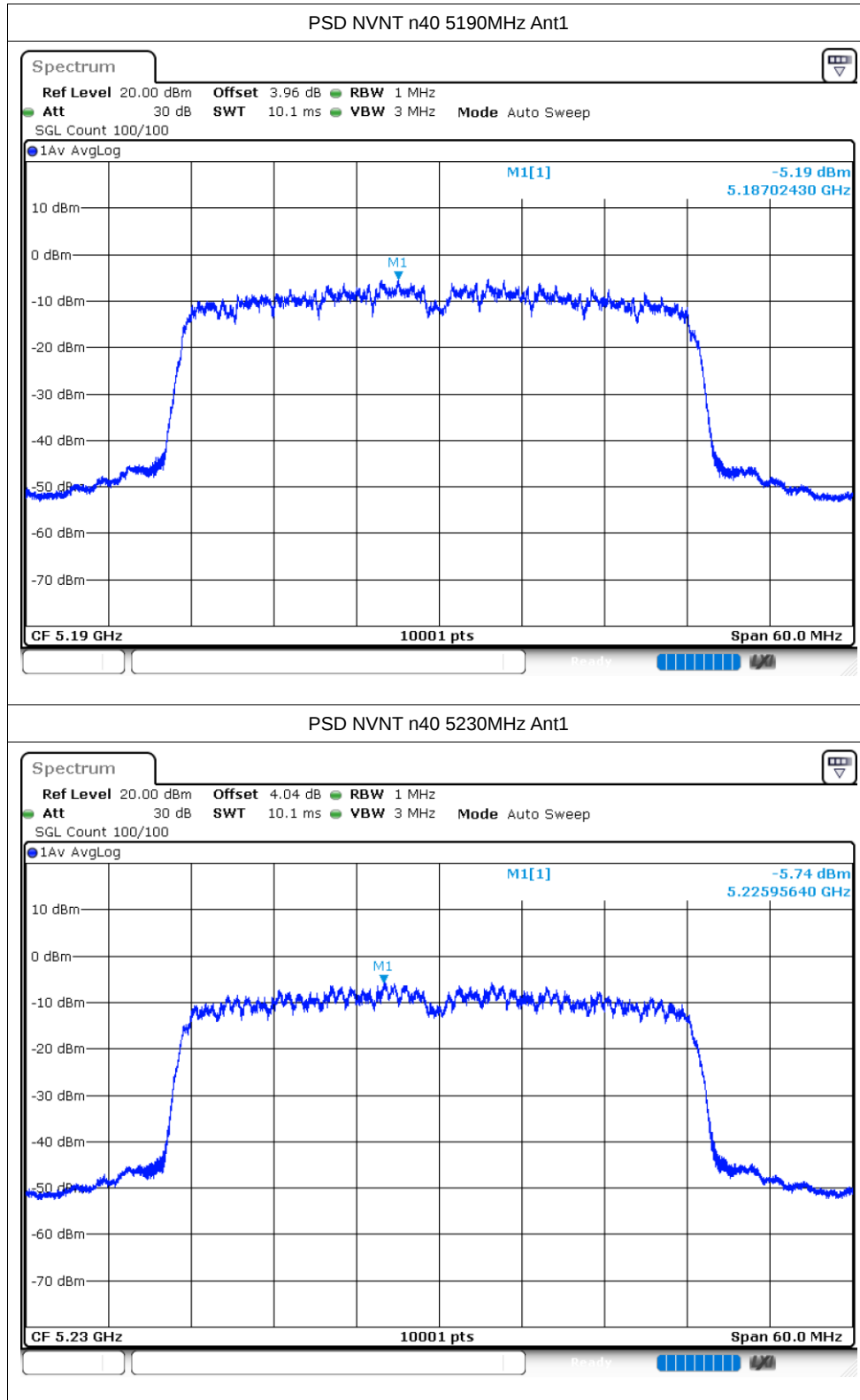


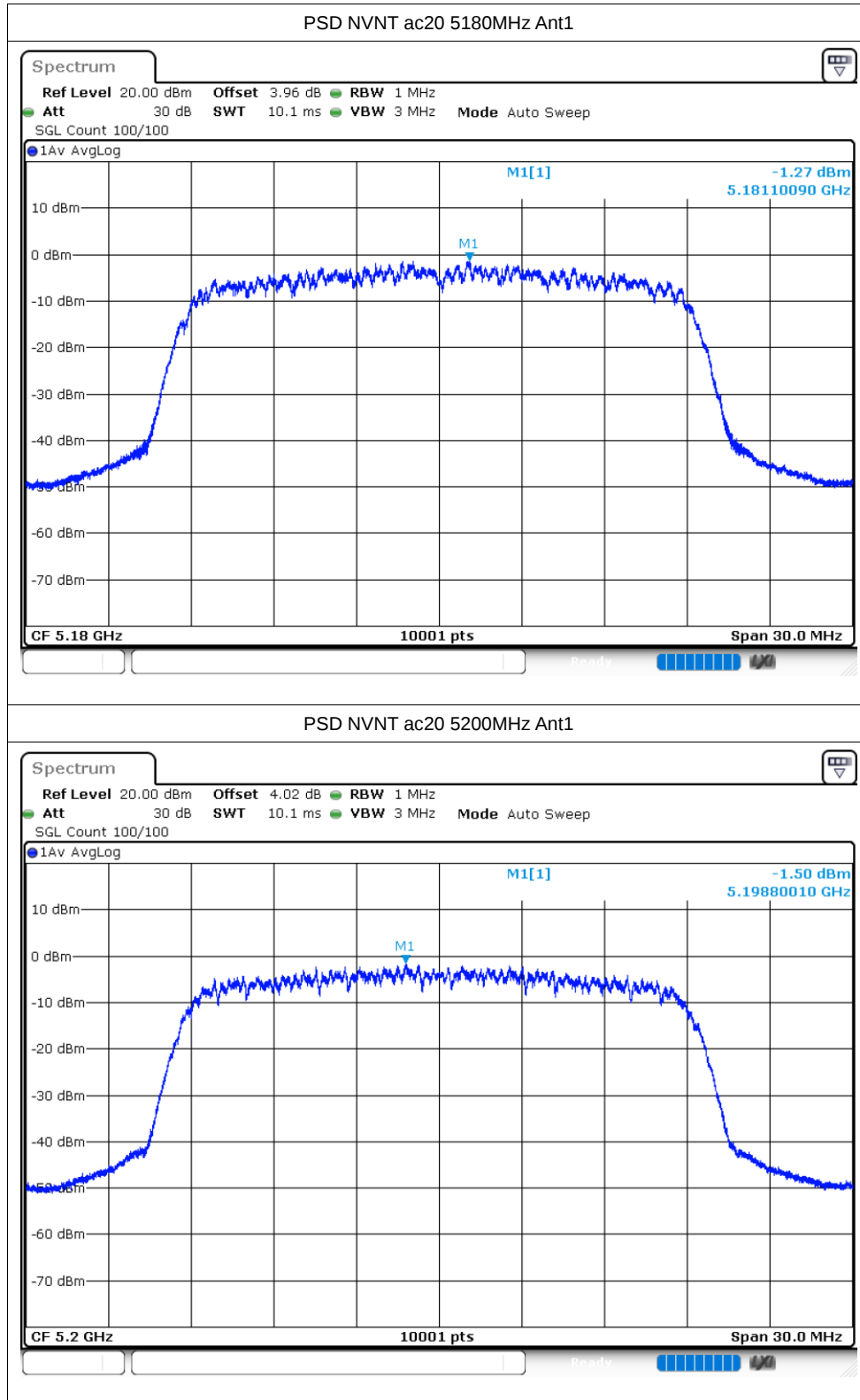
PSD NVNT a 5200MHz Ant1

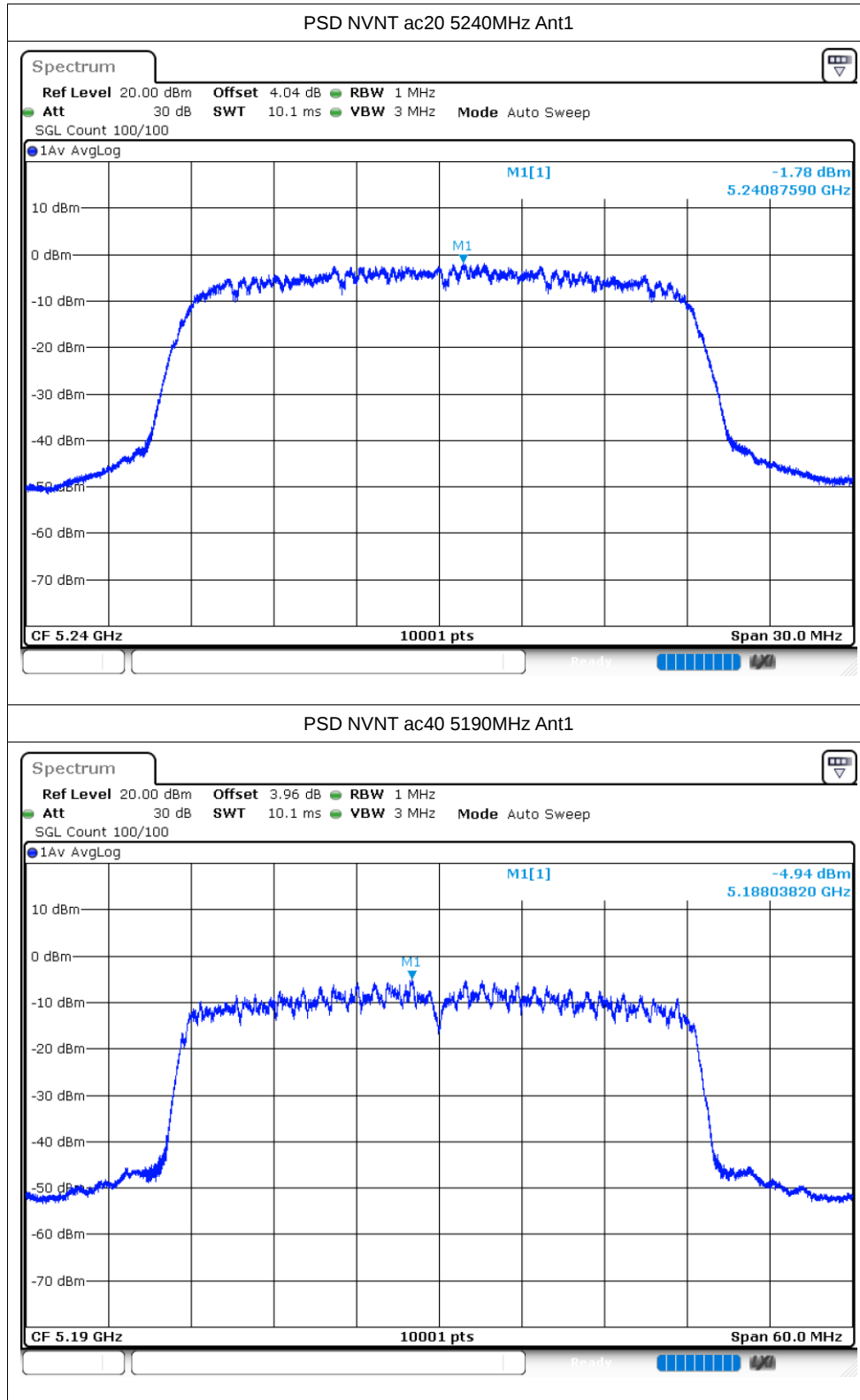


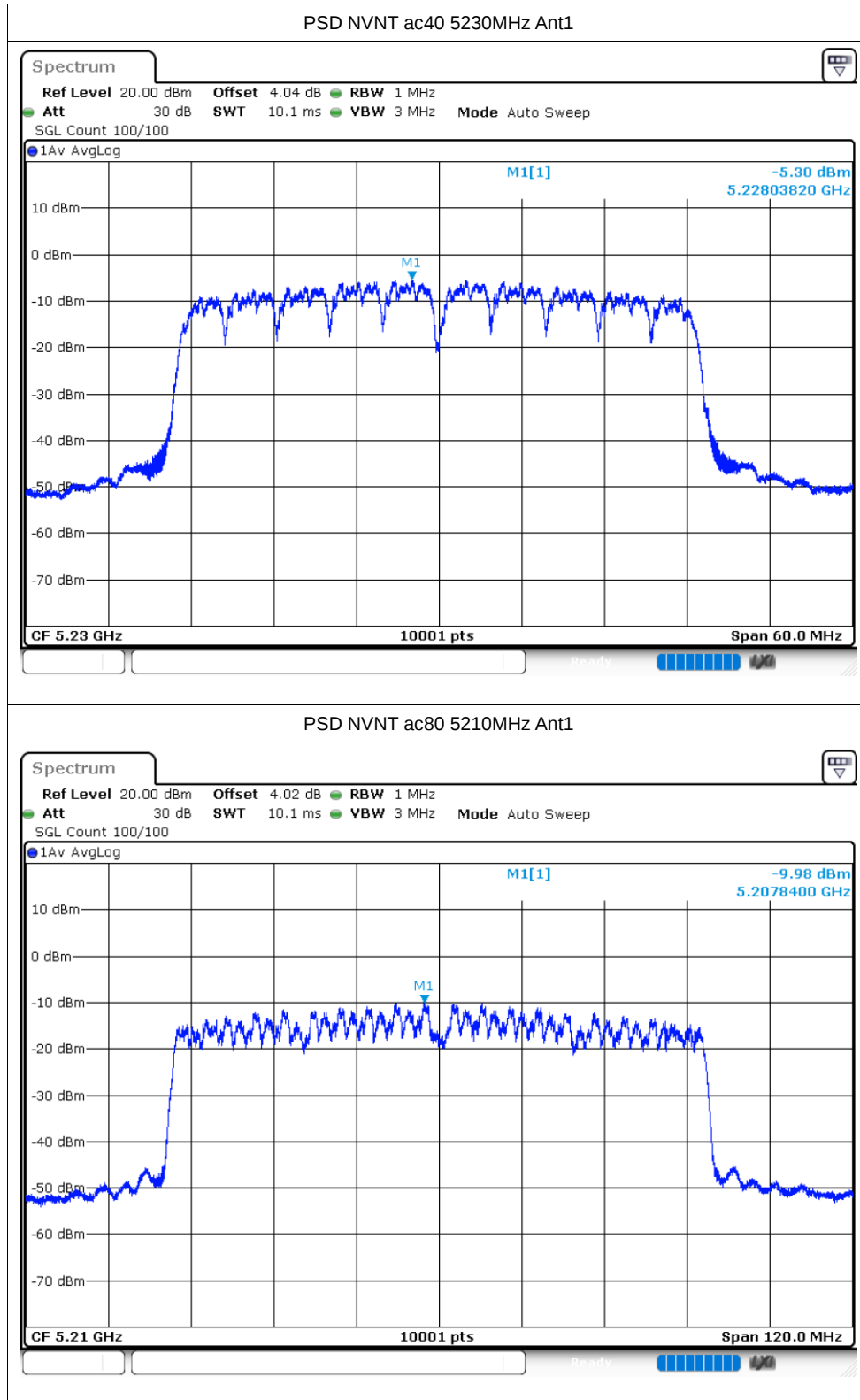












## Band Edge

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a    | 5180            | Ant1    | -38.83          | -27         | Pass    |
| NVNT      | a    | 5240            | Ant1    | -40.75          | -27         | Pass    |
| NVNT      | n20  | 5180            | Ant1    | -39.43          | -27         | Pass    |
| NVNT      | n20  | 5240            | Ant1    | -40.6           | -27         | Pass    |
| NVNT      | n40  | 5190            | Ant1    | -35.16          | -27         | Pass    |
| NVNT      | n40  | 5230            | Ant1    | -40.18          | -27         | Pass    |
| NVNT      | ac20 | 5180            | Ant1    | -37.1           | -27         | Pass    |
| NVNT      | ac20 | 5240            | Ant1    | -40.83          | -27         | Pass    |
| NVNT      | ac40 | 5190            | Ant1    | -40.6           | -27         | Pass    |
| NVNT      | ac40 | 5230            | Ant1    | -41.22          | -27         | Pass    |
| NVNT      | ac80 | 5210            | Ant1    | -40.8           | -27         | Pass    |

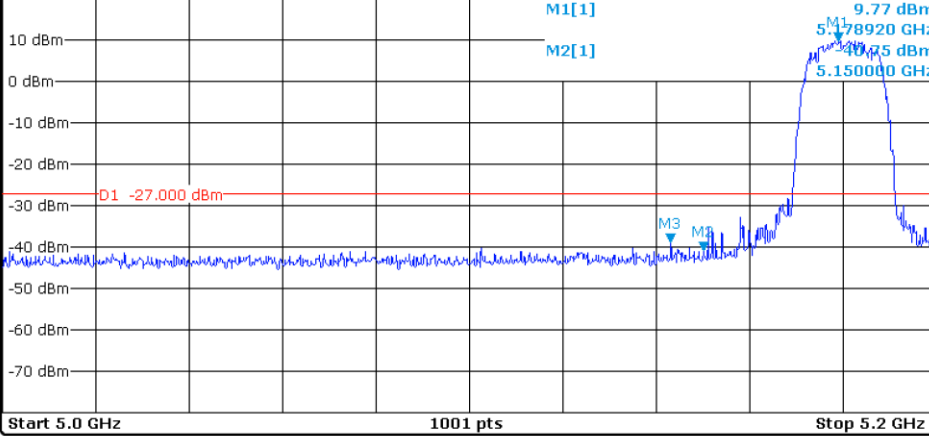
# Test Graphs

## Band Edge NVNT a 5180MHz Low Ant1

### Spectrum

Ref Level 20.00 dBm Offset 6.02 dB RBW 1 MHz  
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep  
SGL Count 100/100

1Pk Max



### Marker

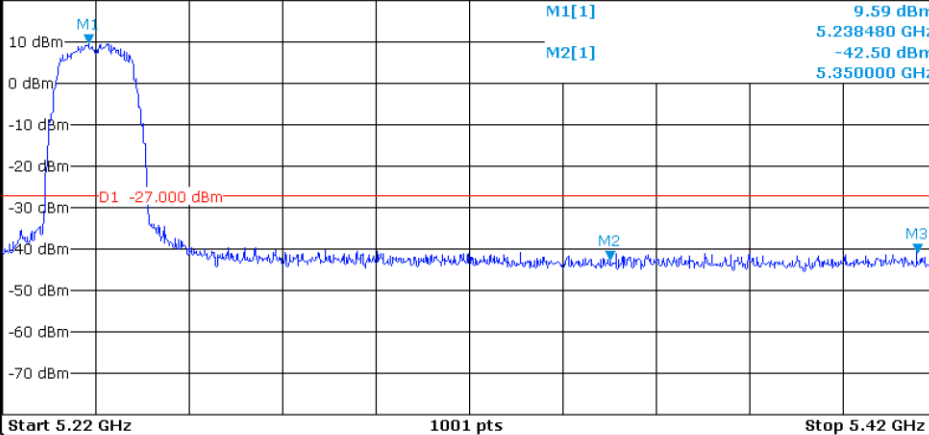
| Type | Ref | Trc | X-value     | Y-value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   | 1   |     | 5.17892 GHz | 9.77 dBm   |          |                 |
| M2   | 1   |     | 5.15 GHz    | -40.75 dBm |          |                 |
| M3   | 1   |     | 5.143 GHz   | -38.84 dBm |          |                 |

## Band Edge NVNT a 5240MHz High Ant1

### Spectrum

Ref Level 20.00 dBm Offset 6.10 dB RBW 1 MHz  
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep  
SGL Count 100/100

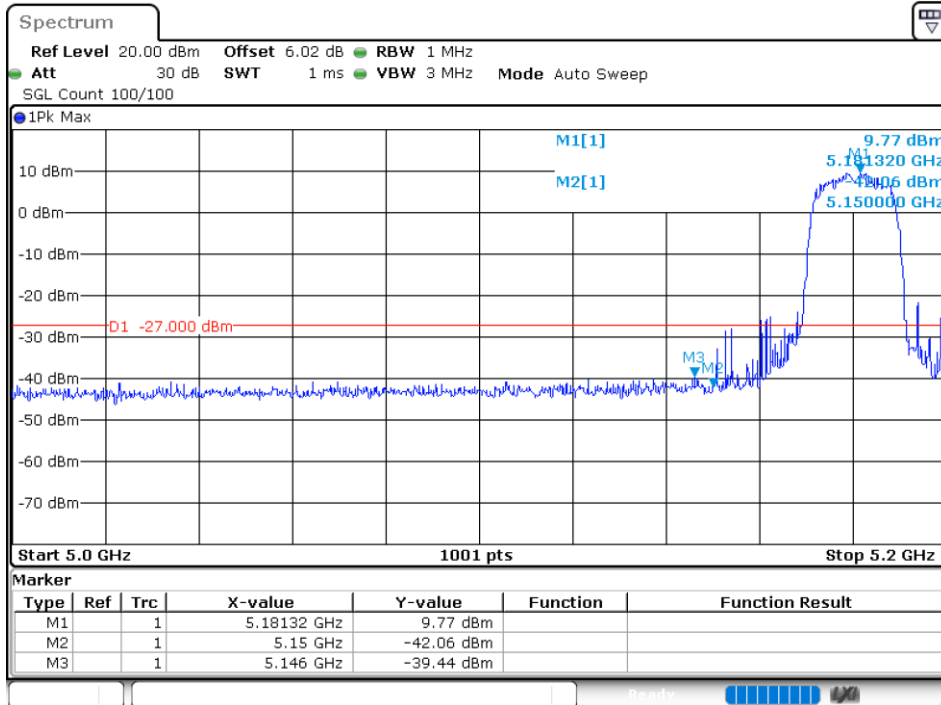
1Pk Max



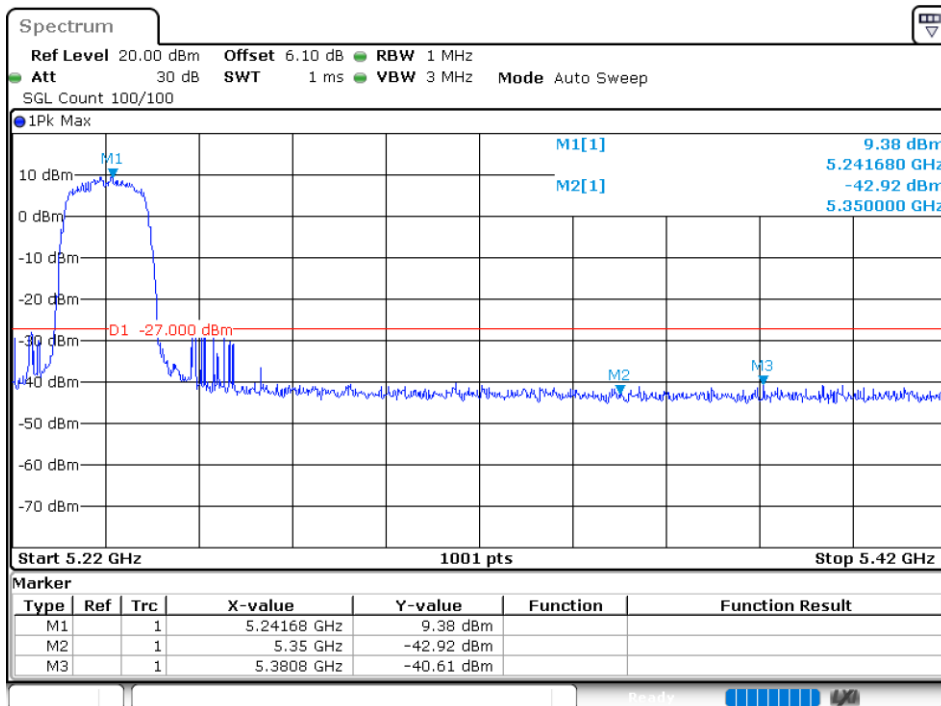
### Marker

| Type | Ref | Trc | X-value     | Y-value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   | 1   |     | 5.23848 GHz | 9.59 dBm   |          |                 |
| M2   | 1   |     | 5.35 GHz    | -42.50 dBm |          |                 |
| M3   | 1   |     | 5.4158 GHz  | -40.76 dBm |          |                 |

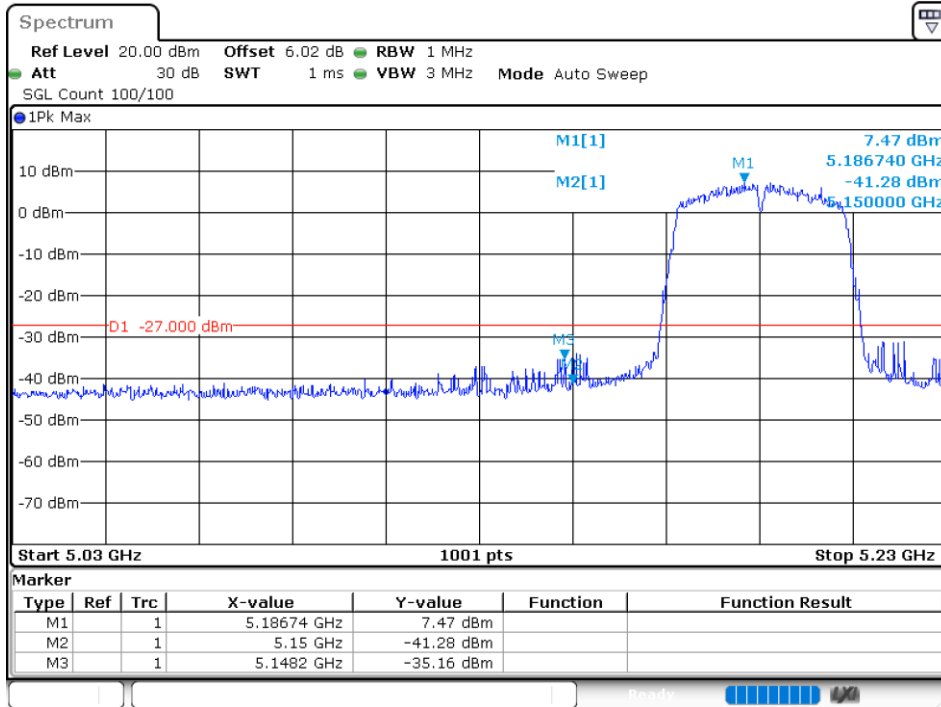
Band Edge NVNT n20 5180MHz Low Ant1



Band Edge NVNT n20 5240MHz High Ant1

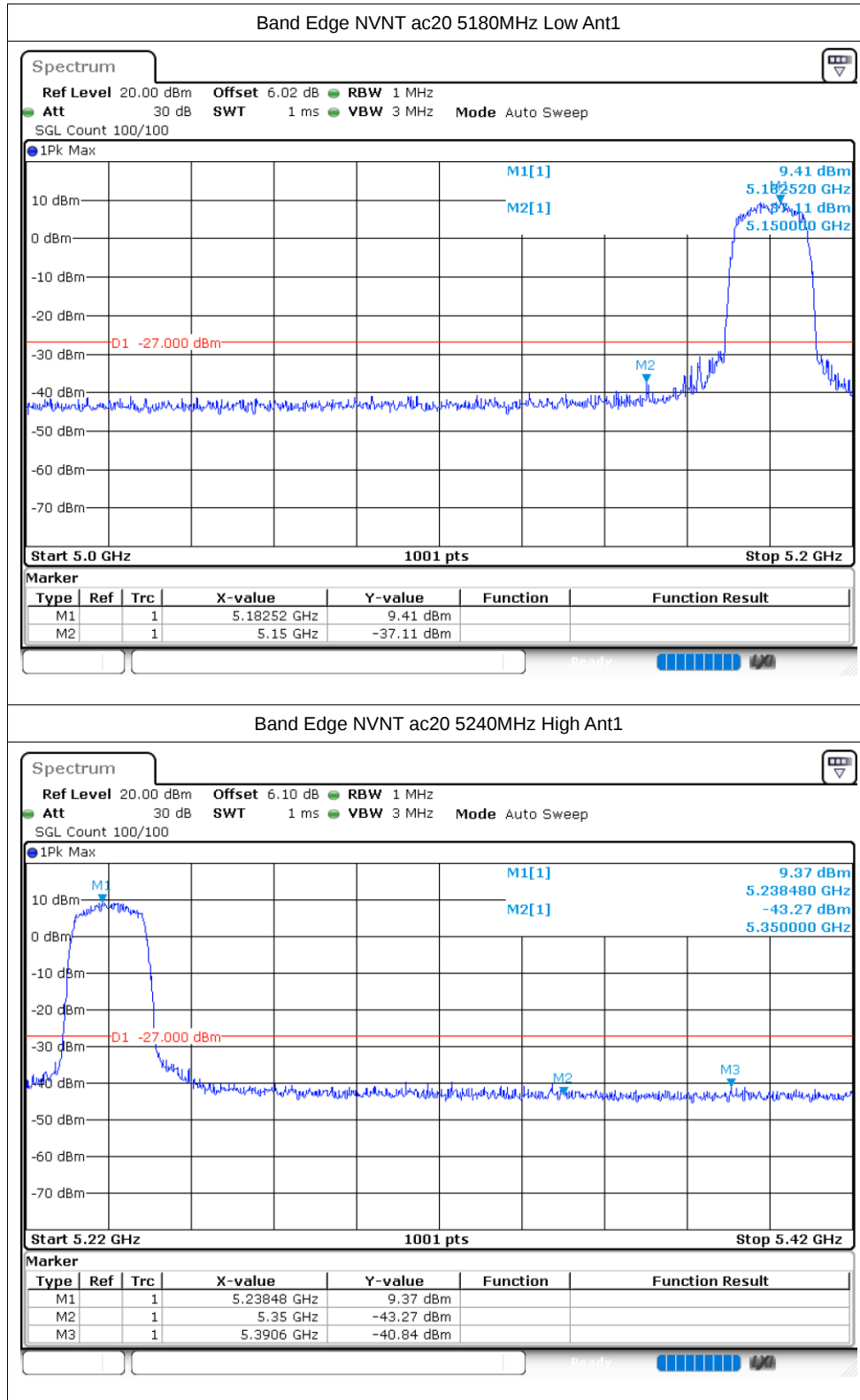


Band Edge NVNT n40 5190MHz Low Ant1

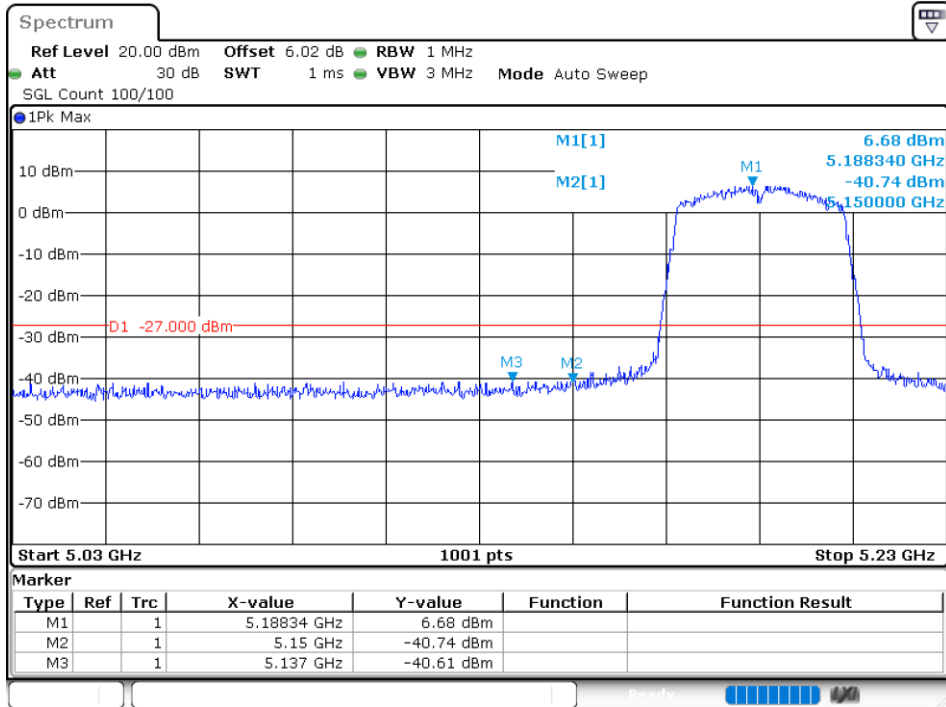


Band Edge NVNT n40 5230MHz High Ant1

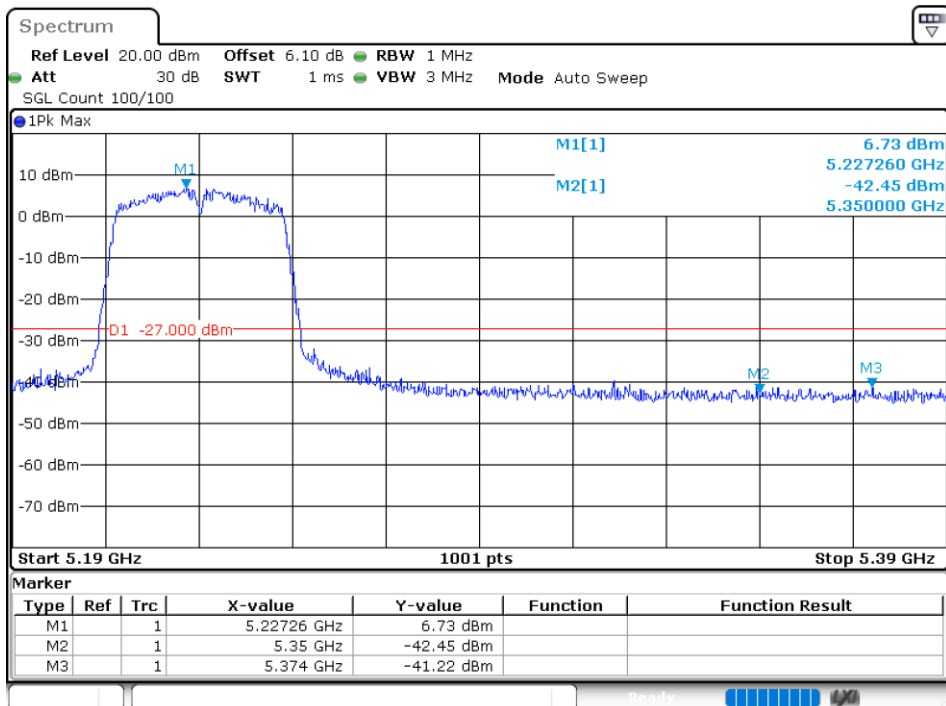


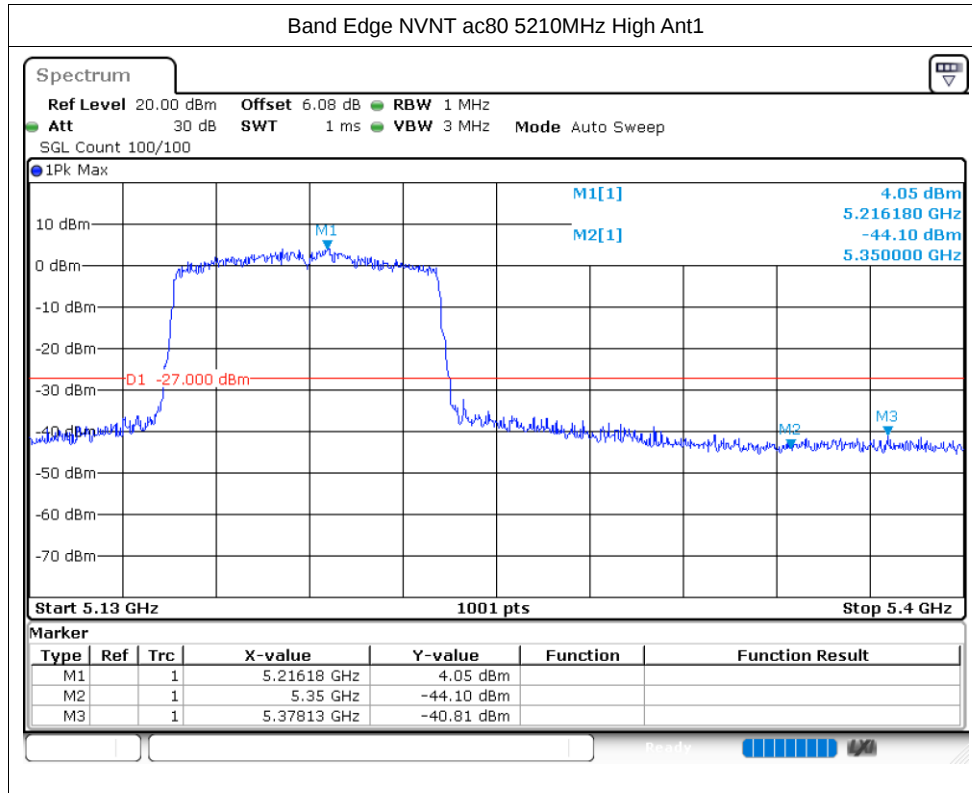


Band Edge NVNT ac40 5190MHz Low Ant1



Band Edge NVNT ac40 5230MHz High Ant1



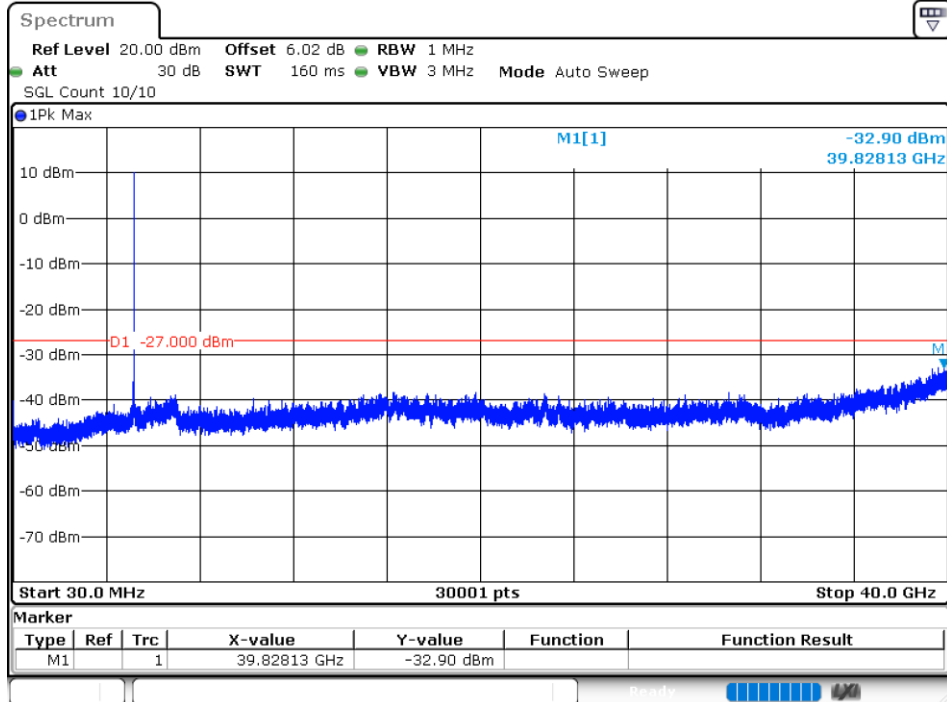


## Conducted RF Spurious Emission

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a    | 5180            | Ant1    | -32.9           | -27         | Pass    |
| NVNT      | a    | 5200            | Ant1    | -32.6           | -27         | Pass    |
| NVNT      | a    | 5240            | Ant1    | -32.8           | -27         | Pass    |
| NVNT      | n20  | 5180            | Ant1    | -32.47          | -27         | Pass    |
| NVNT      | n20  | 5200            | Ant1    | -32.17          | -27         | Pass    |
| NVNT      | n20  | 5240            | Ant1    | -31.91          | -27         | Pass    |
| NVNT      | n40  | 5190            | Ant1    | -33.01          | -27         | Pass    |
| NVNT      | n40  | 5230            | Ant1    | -31.98          | -27         | Pass    |
| NVNT      | ac20 | 5180            | Ant1    | -33.09          | -27         | Pass    |
| NVNT      | ac20 | 5200            | Ant1    | -32.88          | -27         | Pass    |
| NVNT      | ac20 | 5240            | Ant1    | -33.11          | -27         | Pass    |
| NVNT      | ac40 | 5190            | Ant1    | -32.37          | -27         | Pass    |
| NVNT      | ac40 | 5230            | Ant1    | -32.28          | -27         | Pass    |
| NVNT      | ac80 | 5210            | Ant1    | -31.69          | -27         | Pass    |

Test Graphs

Tx. Spurious NVNT a 5180MHz Ant1 Emission



Tx. Spurious NVNT a 5200MHz Ant1 Emission

