

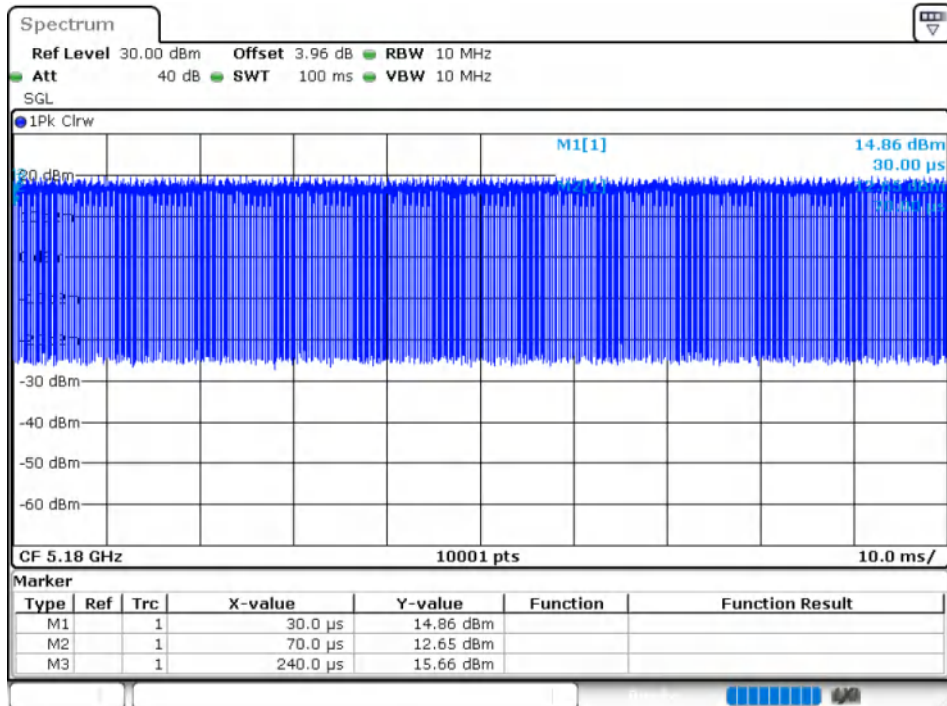
# WIFI 5.2G:

## Duty Cycle

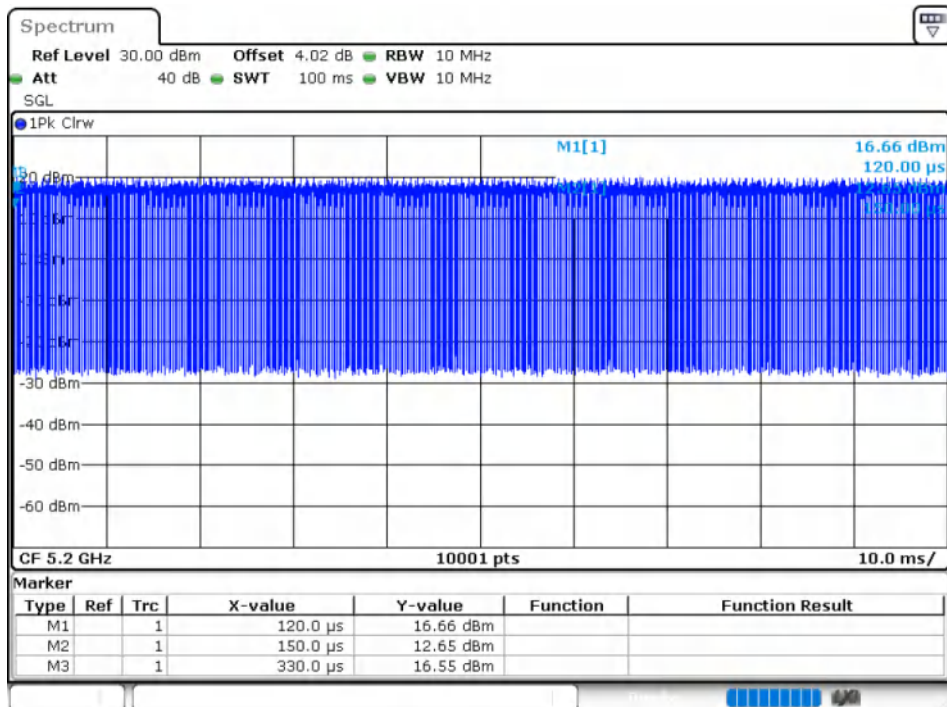
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5180            | Ant1    | 95.68          | 0.19                   | 0.72      |
| NVNT      | a    | 5200            | Ant1    | 95.69          | 0.19                   | 0.72      |
| NVNT      | a    | 5240            | Ant1    | 96.54          | 0.15                   | 0.70      |
| NVNT      | n20  | 5180            | Ant1    | 98.08          | 0.08                   | 0.77      |
| NVNT      | n20  | 5200            | Ant1    | 98.05          | 0.09                   | 0.77      |
| NVNT      | n20  | 5240            | Ant1    | 98.05          | 0.09                   | 0.77      |
| NVNT      | ac20 | 5180            | Ant1    | 97.65          | 0.10                   | 0.76      |
| NVNT      | ac20 | 5200            | Ant1    | 98.07          | 0.08                   | 0.76      |
| NVNT      | ac20 | 5240            | Ant1    | 98.07          | 0.08                   | 0.76      |
| NVNT      | ax20 | 5180            | Ant1    | 97.54          | 0.11                   | 0.98      |
| NVNT      | ax20 | 5200            | Ant1    | 97.54          | 0.11                   | 0.98      |
| NVNT      | ax20 | 5240            | Ant1    | 97.54          | 0.11                   | 0.98      |

Test Graphs

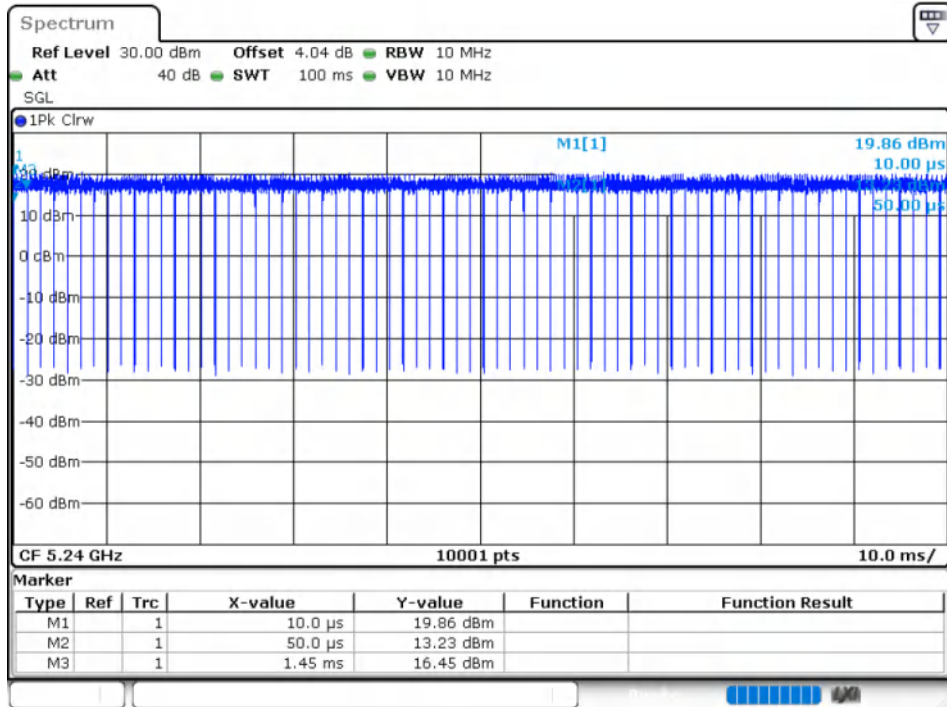
Duty Cycle NVNT a 5180MHz Ant1



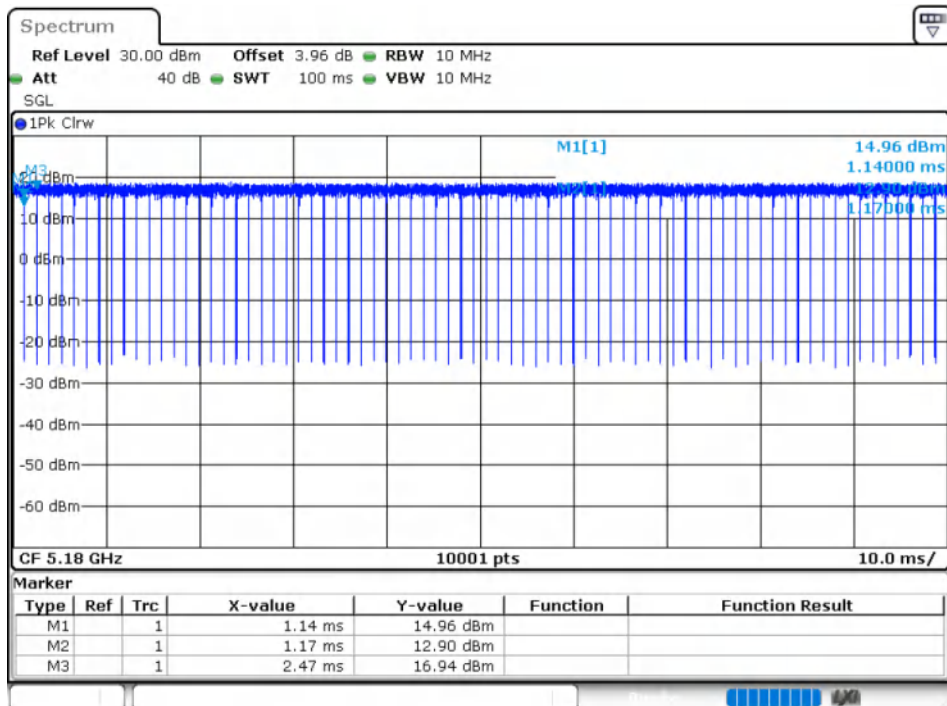
Duty Cycle NVNT a 5200MHz Ant1



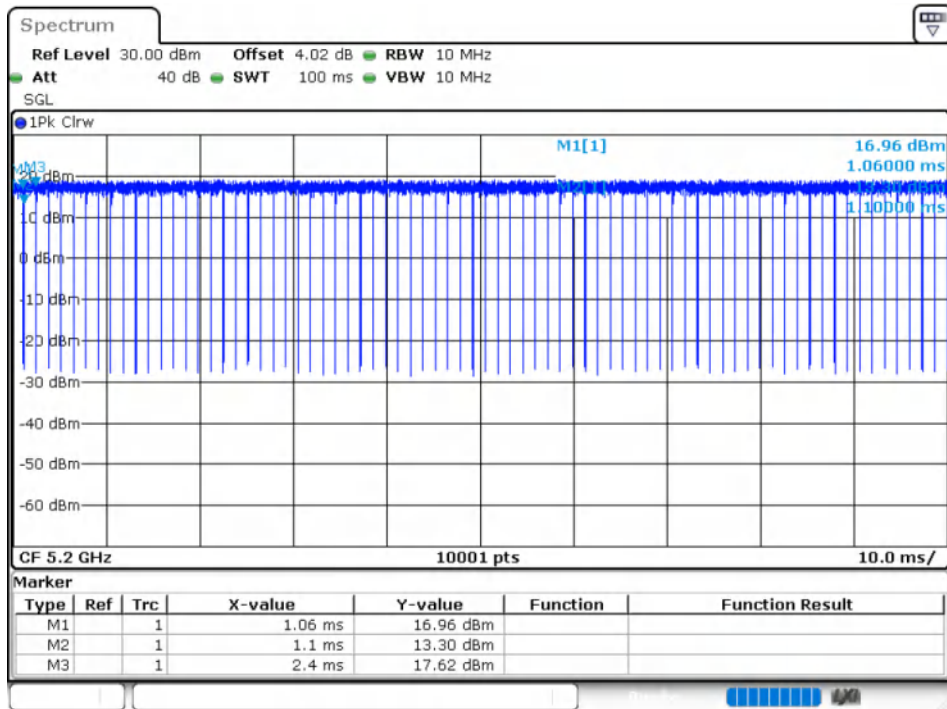
Duty Cycle NVNT a 5240MHz Ant1



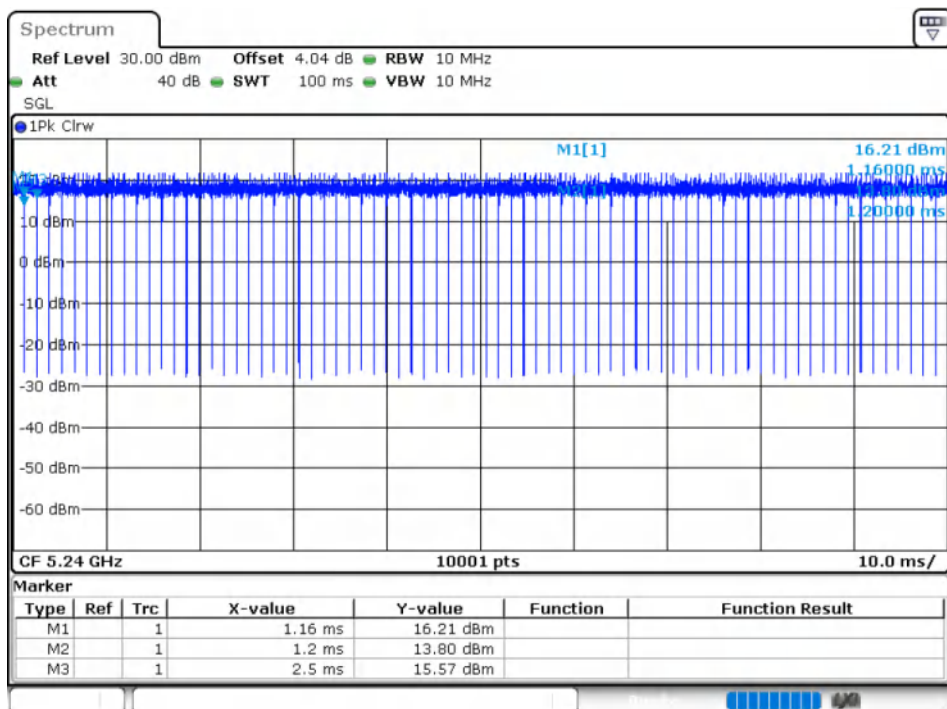
Duty Cycle NVNT n20 5180MHz Ant1



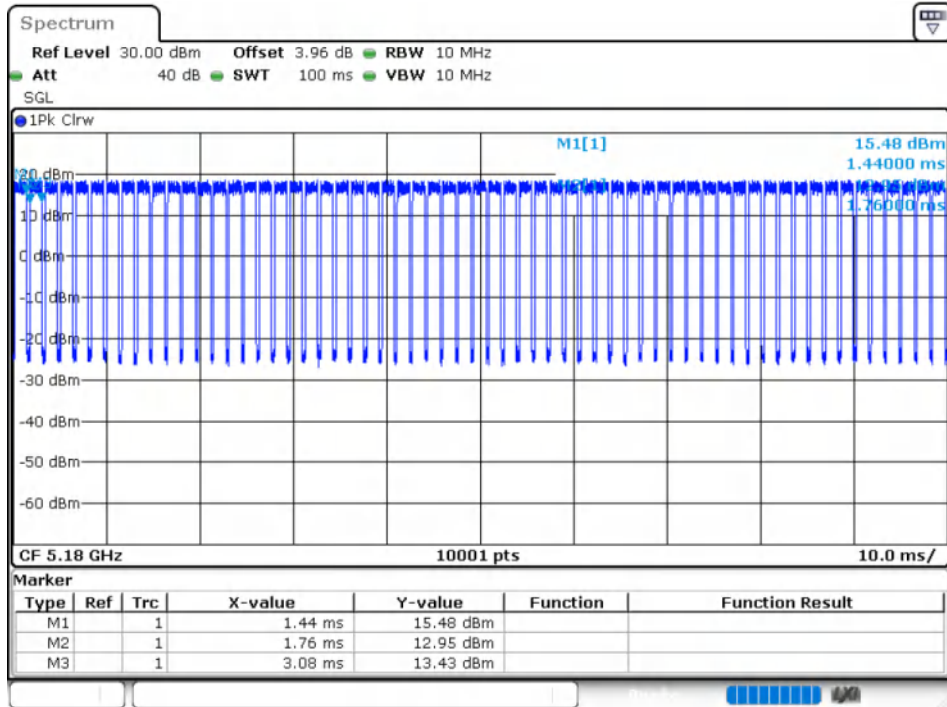
Duty Cycle NVNT n20 5200MHz Ant1



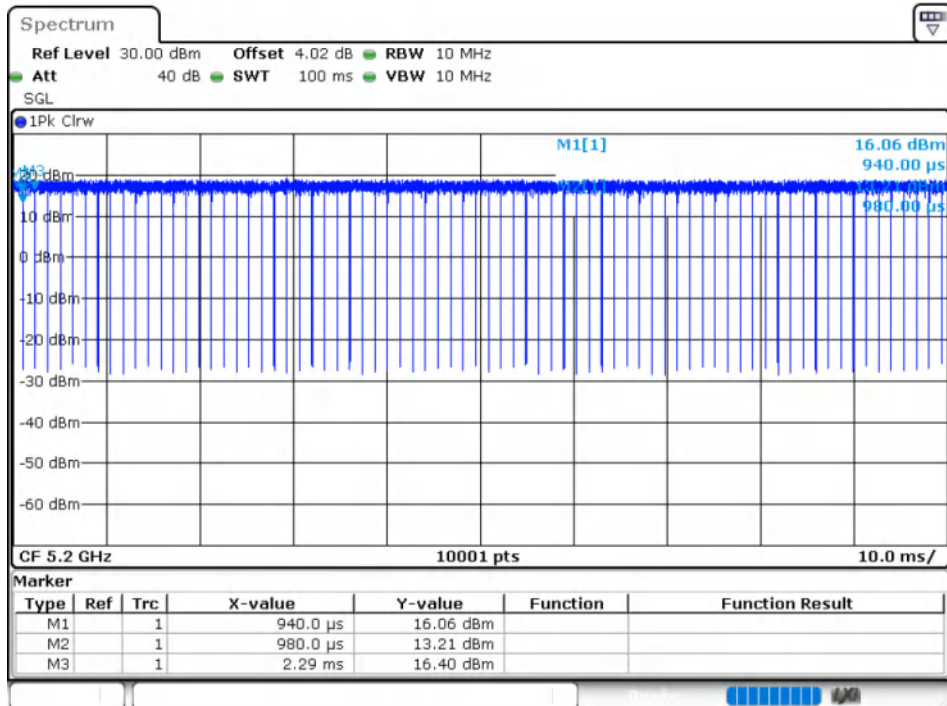
Duty Cycle NVNT n20 5240MHz Ant1



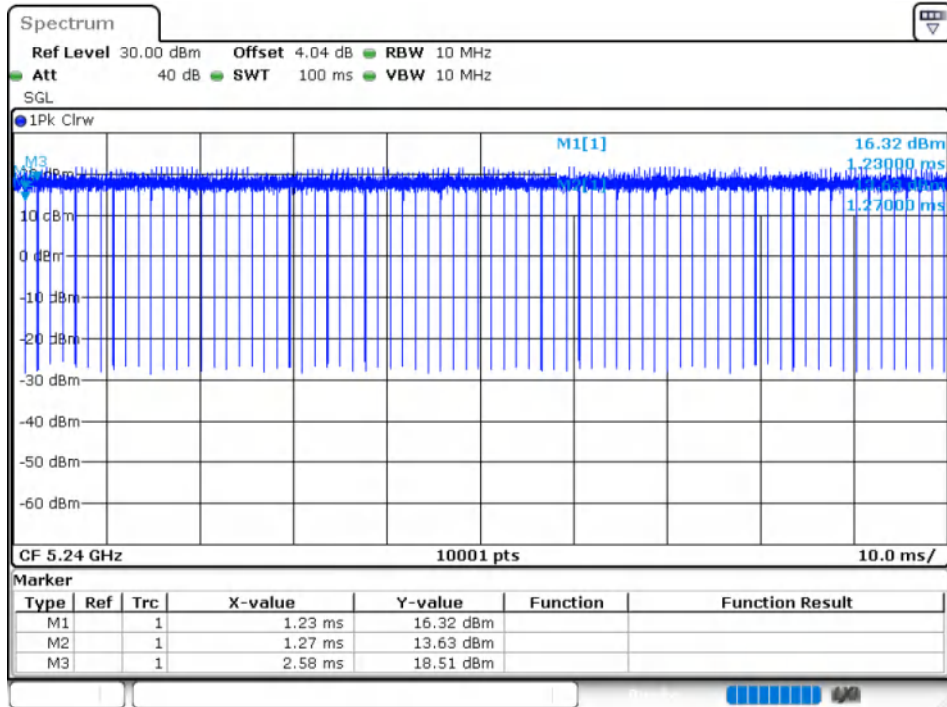
Duty Cycle NVNT ac20 5180MHz Ant1



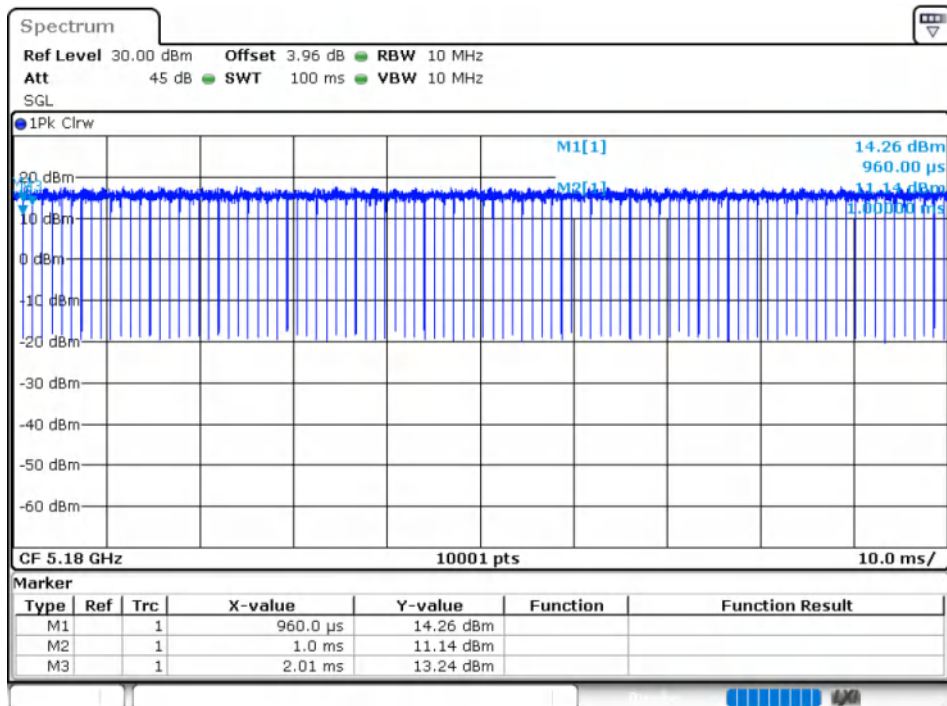
Duty Cycle NVNT ac20 5200MHz Ant1



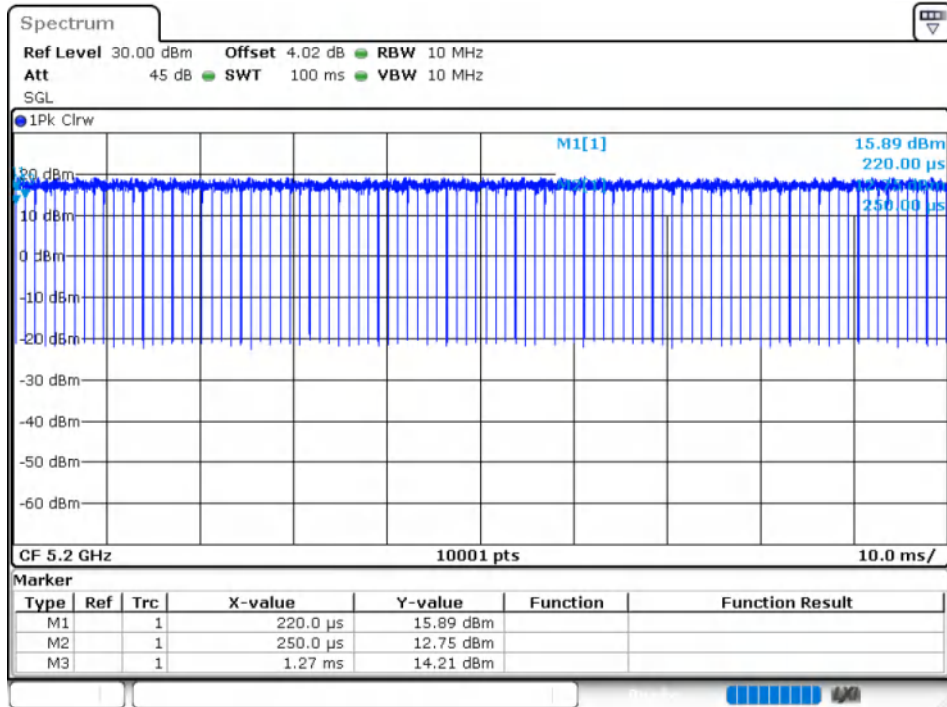
Duty Cycle NVNT ac20 5240MHz Ant1



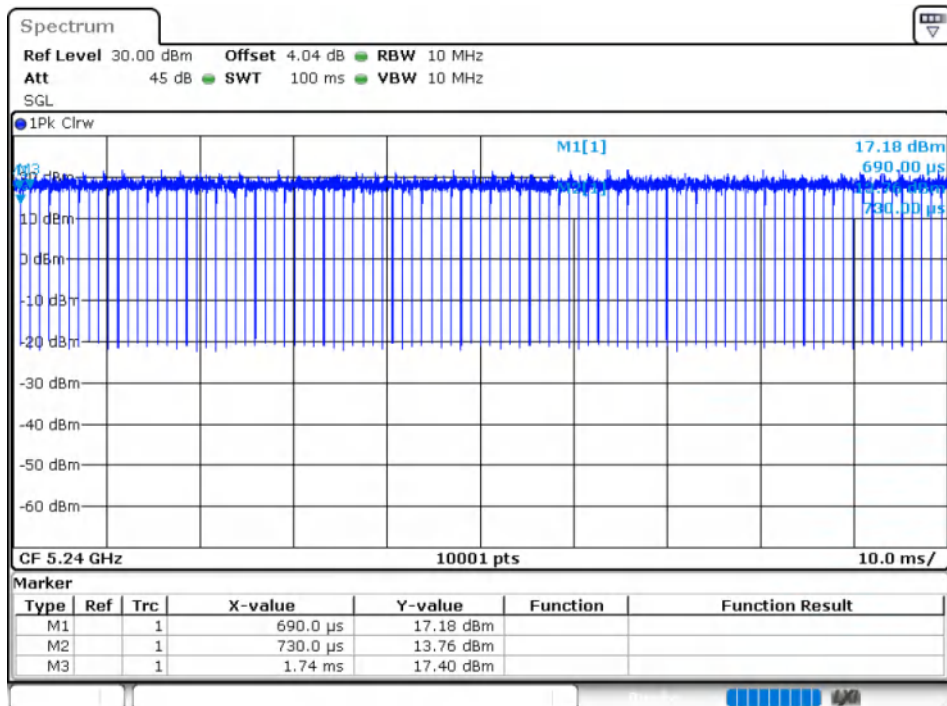
Duty Cycle NVNT ax20 5180MHz Ant1



Duty Cycle NVNT ax20 5200MHz Ant1



Duty Cycle NVNT ax20 5240MHz Ant1



## Maximum Conducted Output Power

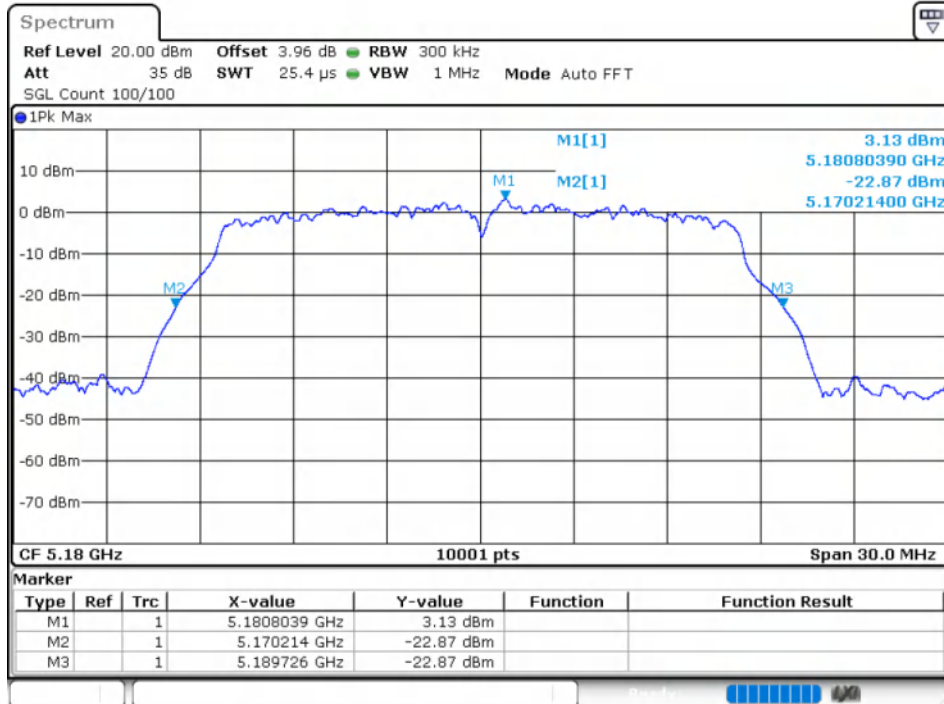
| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------------|----------------|---------|
| NVNT      | a    | 5180               | Ant1    | 11.43                    | 24             | Pass    |
| NVNT      | a    | 5200               | Ant1    | 11.38                    | 24             | Pass    |
| NVNT      | a    | 5240               | Ant1    | 11.27                    | 24             | Pass    |
| NVNT      | n20  | 5180               | Ant1    | 12.16                    | 24             | Pass    |
| NVNT      | n20  | 5200               | Ant1    | 11.77                    | 24             | Pass    |
| NVNT      | n20  | 5240               | Ant1    | 11.76                    | 24             | Pass    |
| NVNT      | ac20 | 5180               | Ant1    | 12.05                    | 24             | Pass    |
| NVNT      | ac20 | 5200               | Ant1    | 11.99                    | 24             | Pass    |
| NVNT      | ac20 | 5240               | Ant1    | 12.08                    | 24             | Pass    |
| NVNT      | ax20 | 5180               | Ant1    | 11.98                    | 24             | Pass    |
| NVNT      | ax20 | 5200               | Ant1    | 12.3                     | 24             | Pass    |
| NVNT      | ax20 | 5240               | Ant1    | 12.25                    | 24             | Pass    |

## -26dB Bandwidth

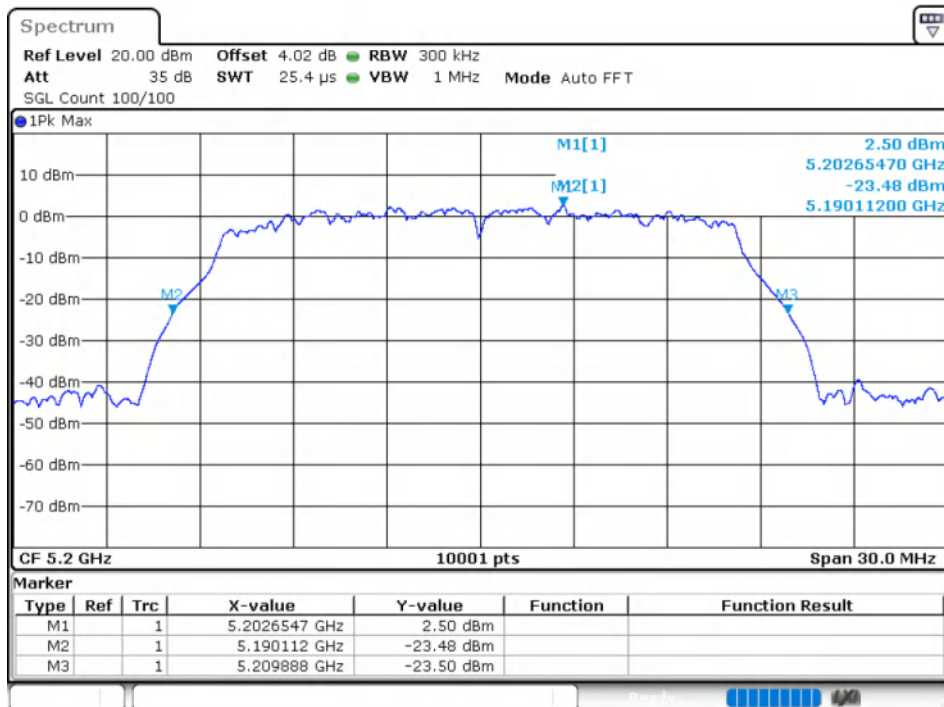
| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|------------------------|---------|
| NVNT      | a    | 5180            | Ant1    | 19.512                 | Pass    |
| NVNT      | a    | 5200            | Ant1    | 19.776                 | Pass    |
| NVNT      | a    | 5240            | Ant1    | 19.041                 | Pass    |
| NVNT      | n20  | 5180            | Ant1    | 20.148                 | Pass    |
| NVNT      | n20  | 5200            | Ant1    | 20.109                 | Pass    |
| NVNT      | n20  | 5240            | Ant1    | 20.301                 | Pass    |
| NVNT      | ac20 | 5180            | Ant1    | 20.331                 | Pass    |
| NVNT      | ac20 | 5200            | Ant1    | 20.142                 | Pass    |
| NVNT      | ac20 | 5240            | Ant1    | 20.196                 | Pass    |
| NVNT      | ax20 | 5180            | Ant1    | 20.472                 | Pass    |
| NVNT      | ax20 | 5200            | Ant1    | 20.232                 | Pass    |
| NVNT      | ax20 | 5240            | Ant1    | 20.322                 | Pass    |

# Test Graphs

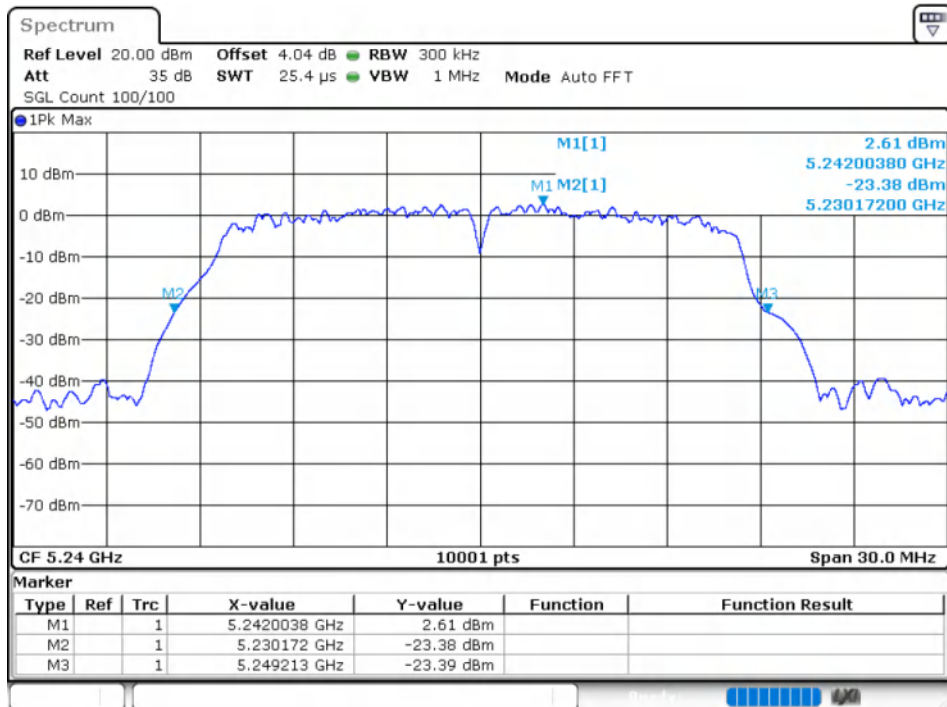
## -26dB Bandwidth NVNT a 5180MHz Ant1



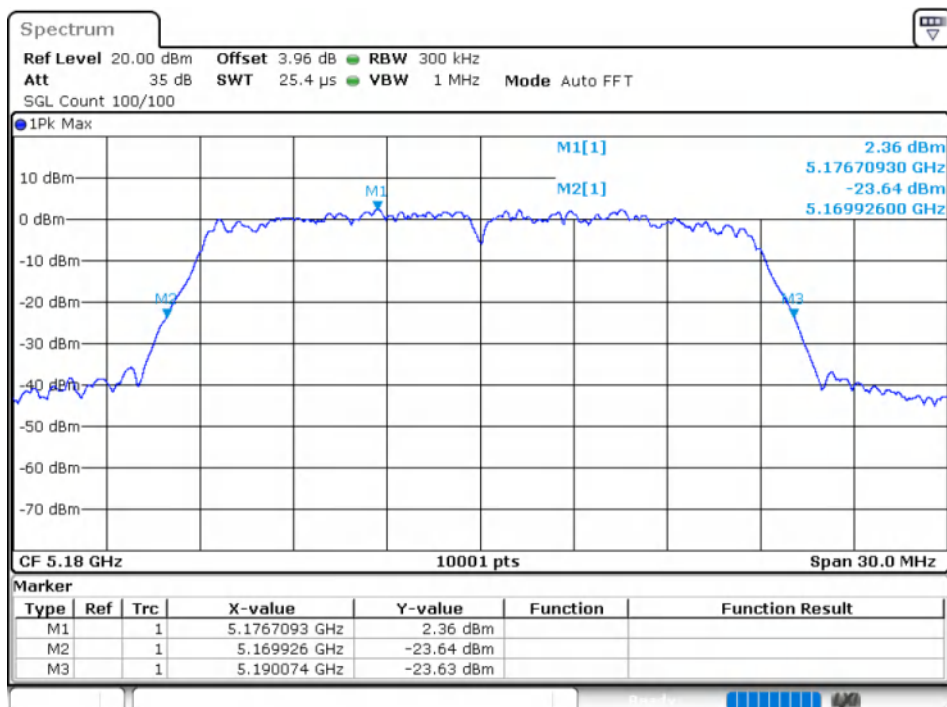
## -26dB Bandwidth NVNT a 5200MHz Ant1



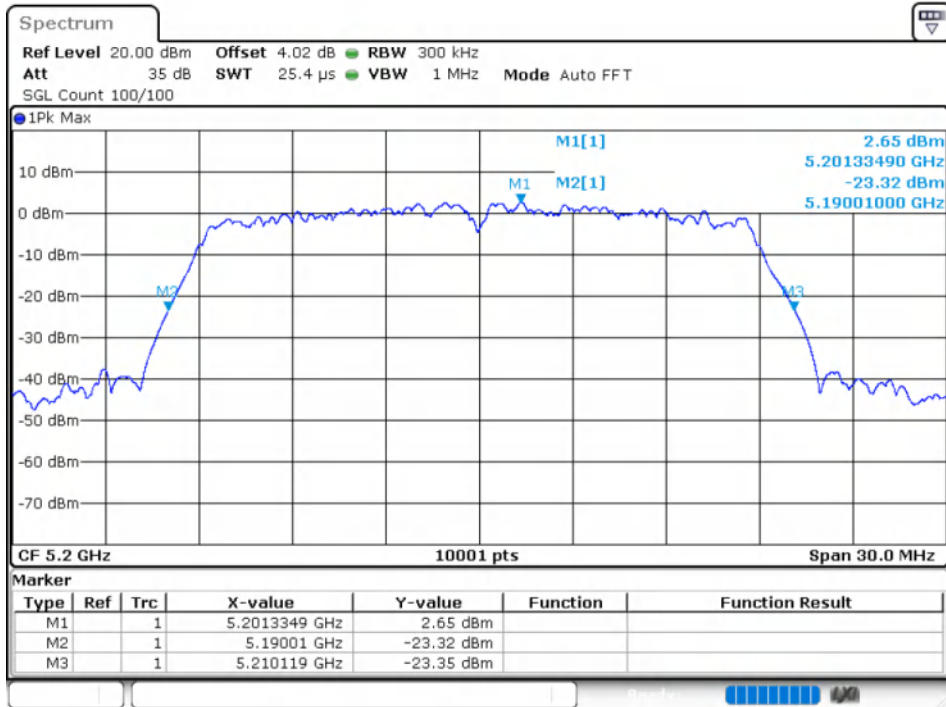
-26dB Bandwidth NVNT a 5240MHz Ant1



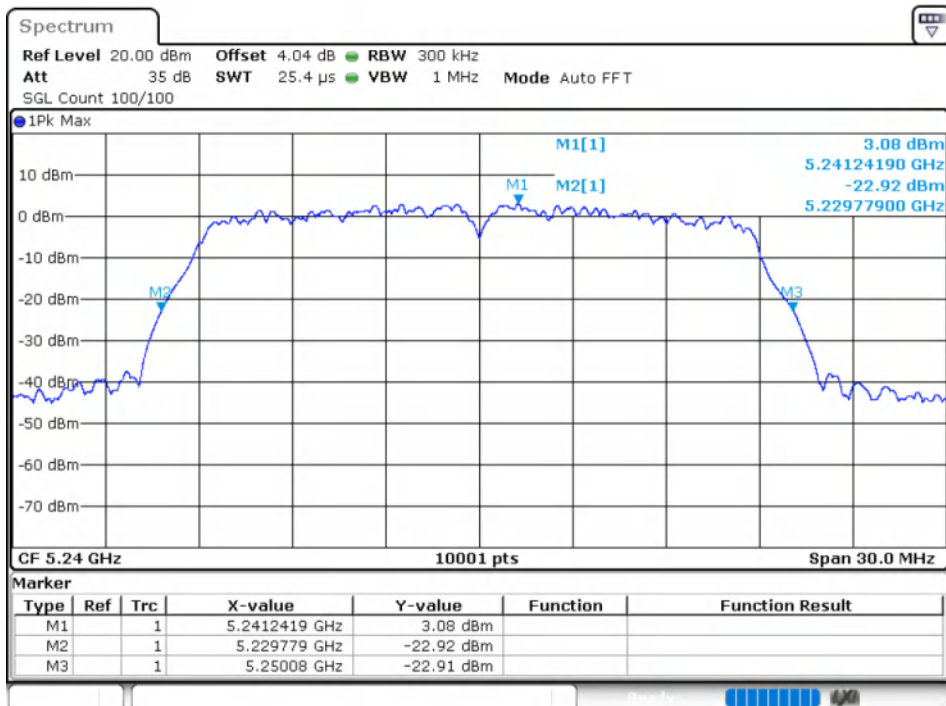
-26dB Bandwidth NVNT n20 5180MHz Ant1

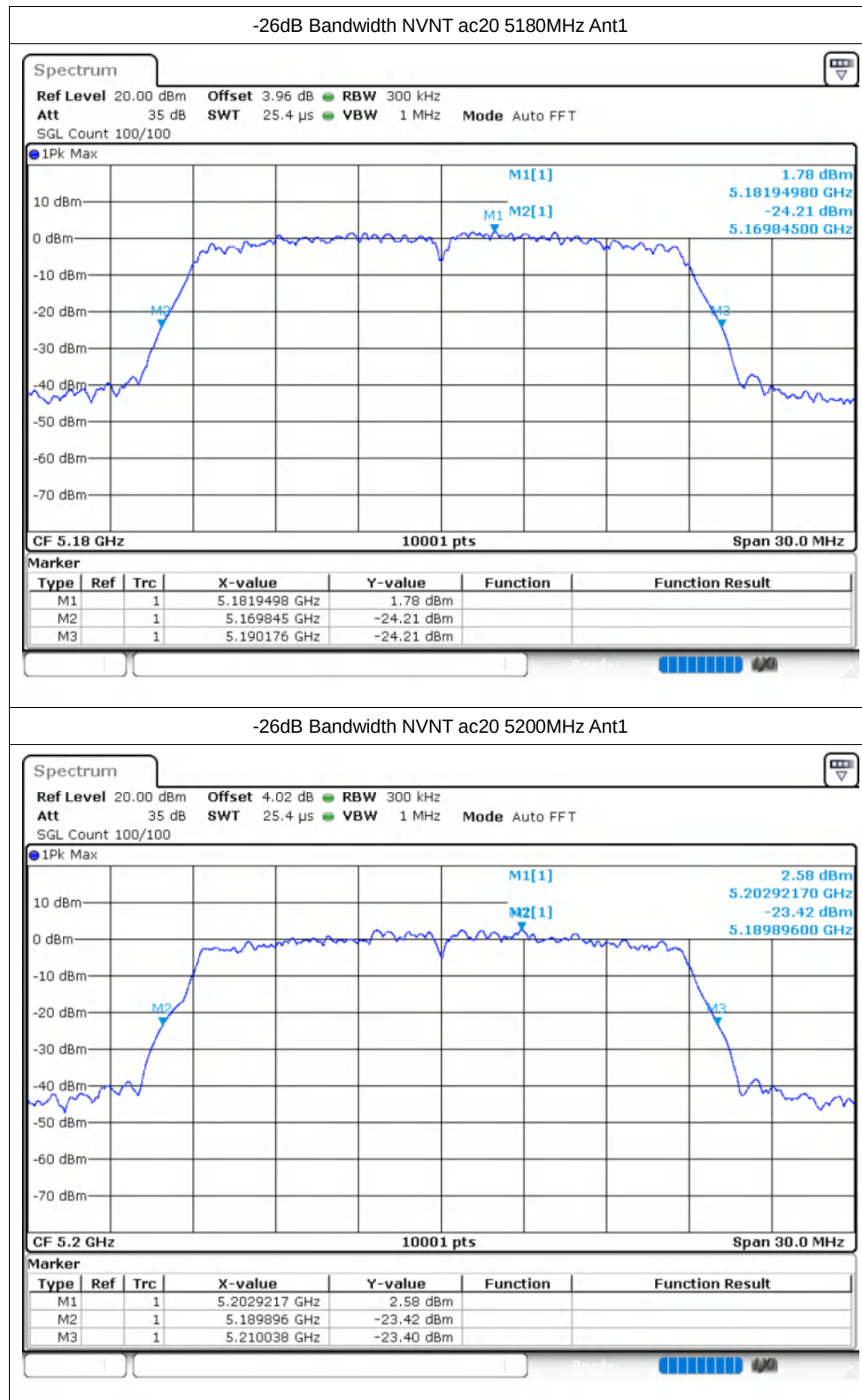


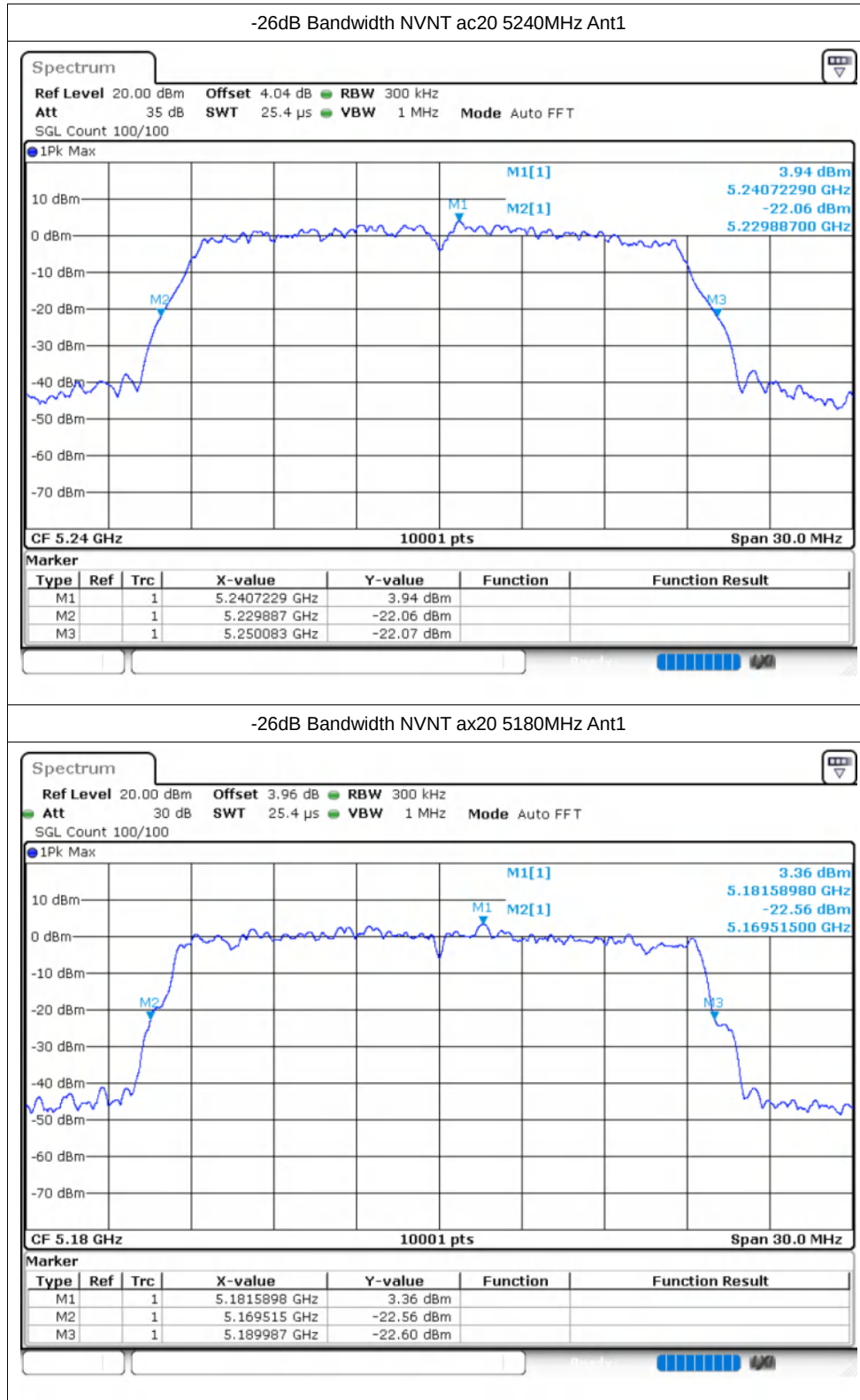
-26dB Bandwidth NVNT n20 5200MHz Ant1



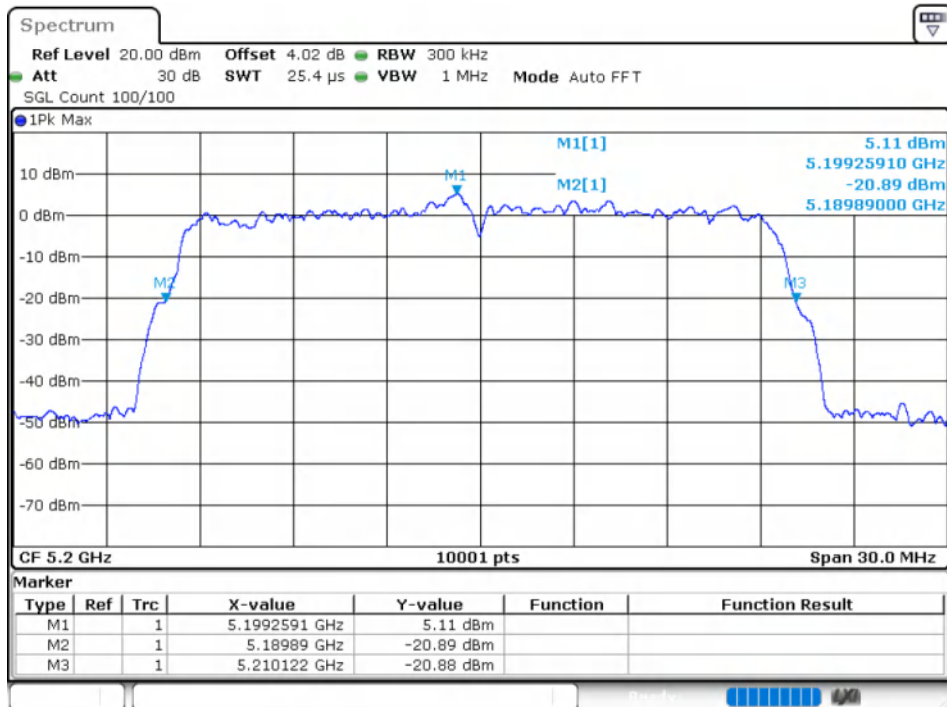
-26dB Bandwidth NVNT n20 5240MHz Ant1



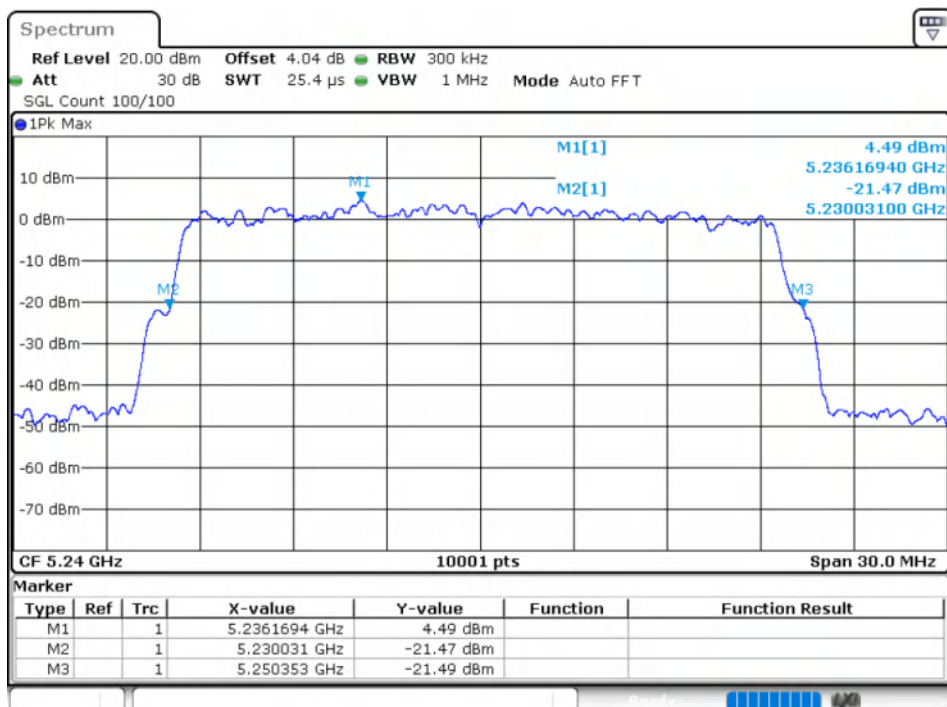




-26dB Bandwidth NVNT ax20 5200MHz Ant1



-26dB Bandwidth NVNT ax20 5240MHz Ant1

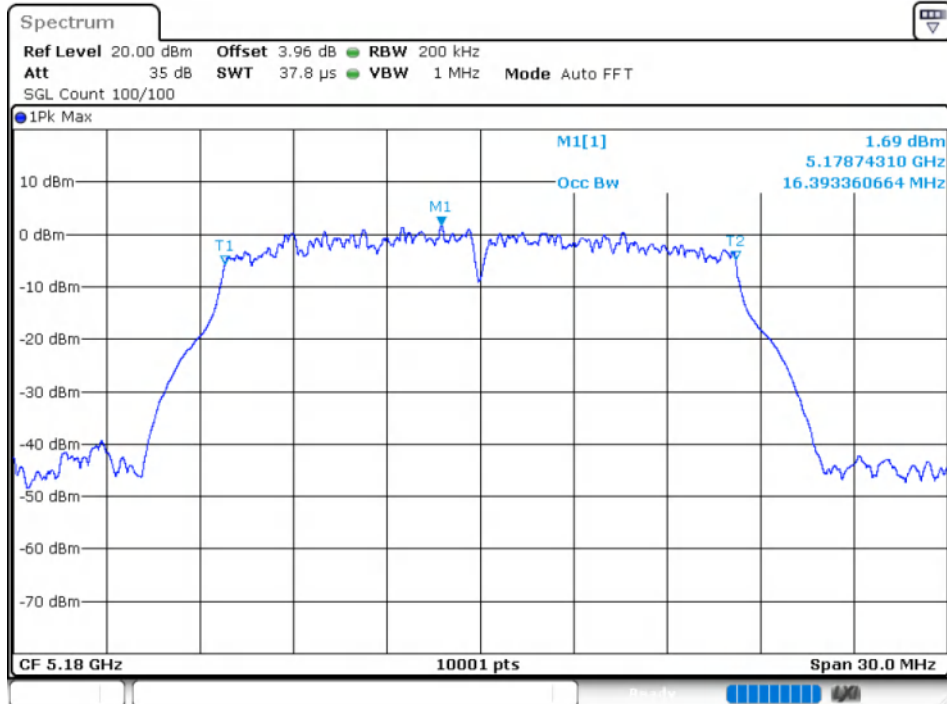


## Occupied Channel Bandwidth

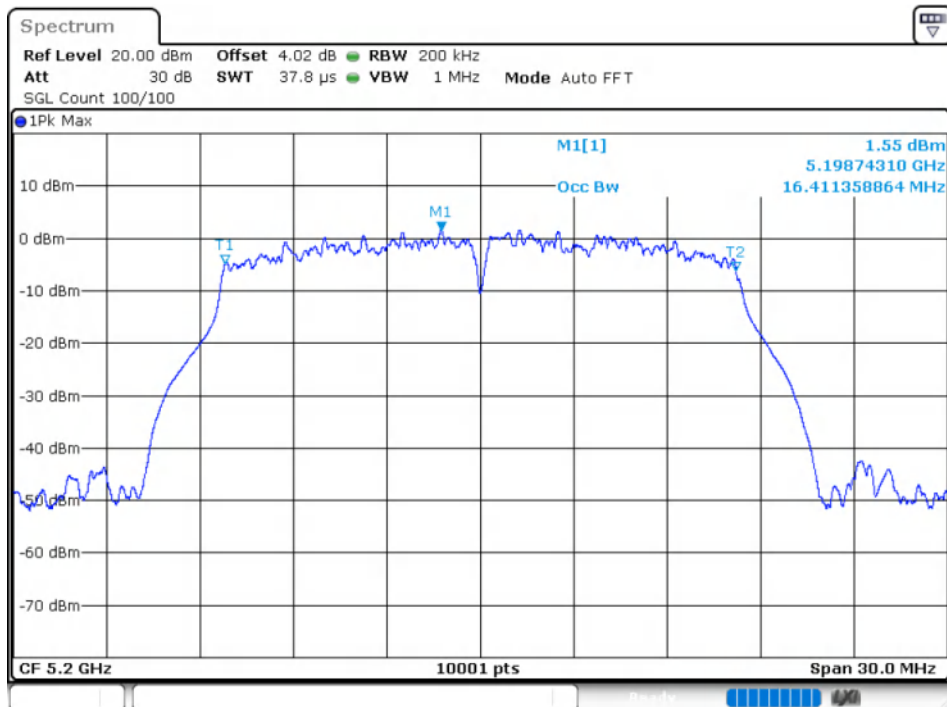
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5180            | Ant1    | 16.393        |
| NVNT      | a    | 5200            | Ant1    | 16.411        |
| NVNT      | a    | 5240            | Ant1    | 16.399        |
| NVNT      | n20  | 5180            | Ant1    | 17.593        |
| NVNT      | n20  | 5200            | Ant1    | 17.509        |
| NVNT      | n20  | 5240            | Ant1    | 17.524        |
| NVNT      | ac20 | 5180            | Ant1    | 17.524        |
| NVNT      | ac20 | 5200            | Ant1    | 17.527        |
| NVNT      | ac20 | 5240            | Ant1    | 17.491        |
| NVNT      | ax20 | 5180            | Ant1    | 18.805        |
| NVNT      | ax20 | 5200            | Ant1    | 18.766        |
| NVNT      | ax20 | 5240            | Ant1    | 18.793        |

Test Graphs

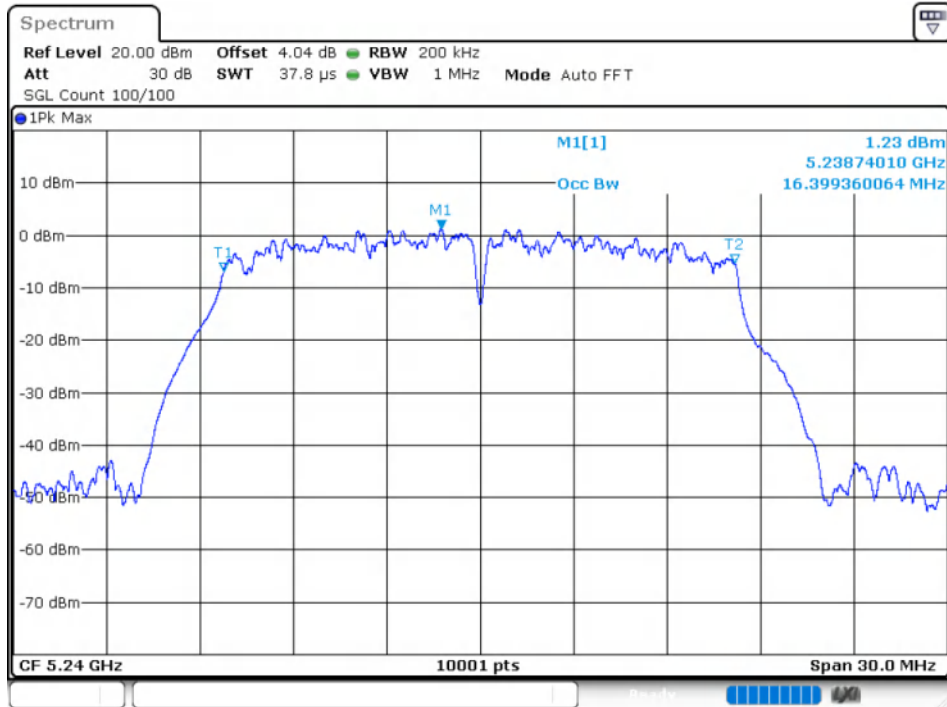
OBW NVNT a 5180MHz Ant1



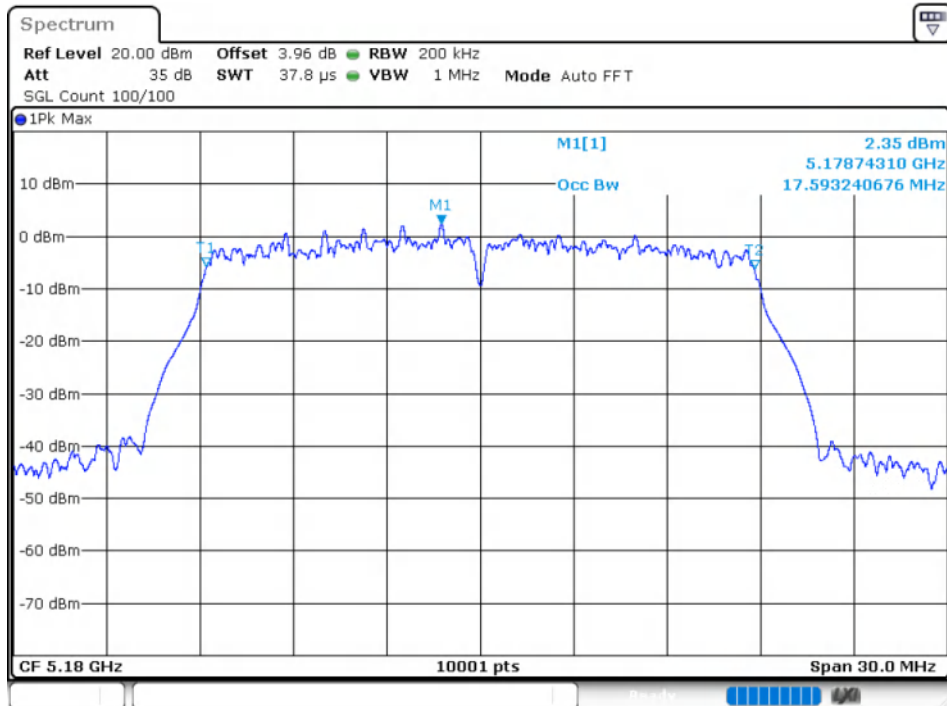
OBW NVNT a 5200MHz Ant1

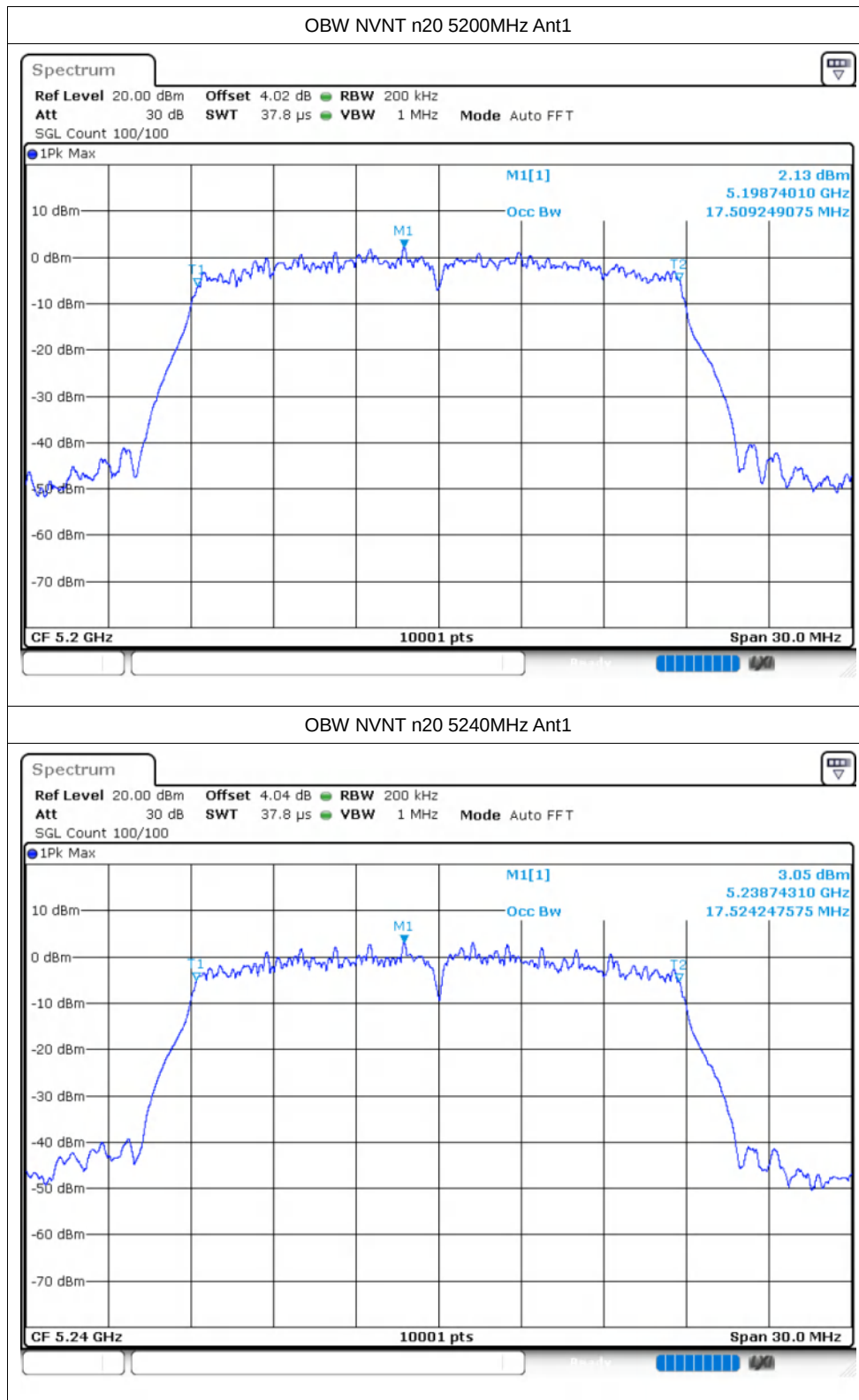


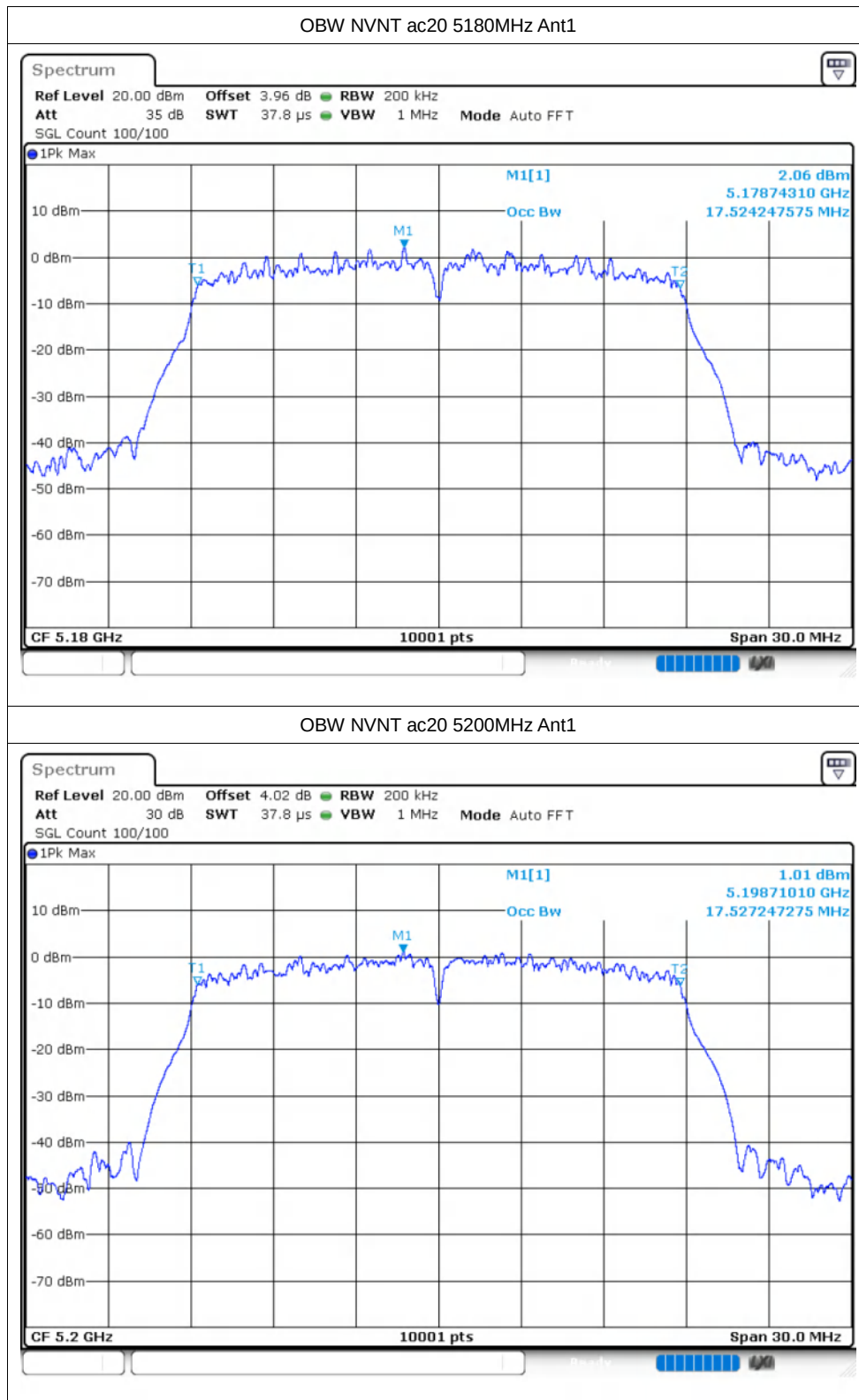
OBW NVNT a 5240MHz Ant1

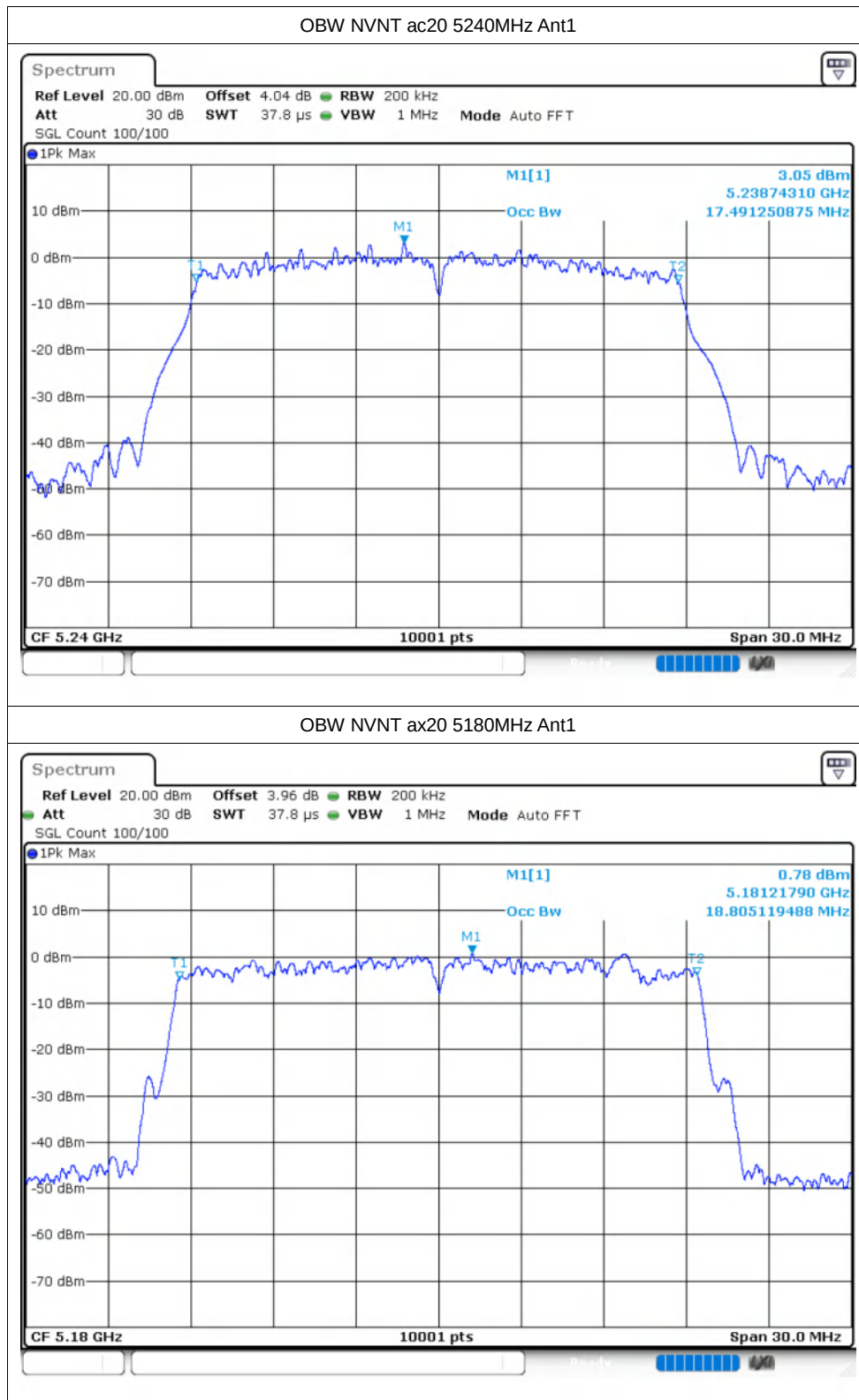


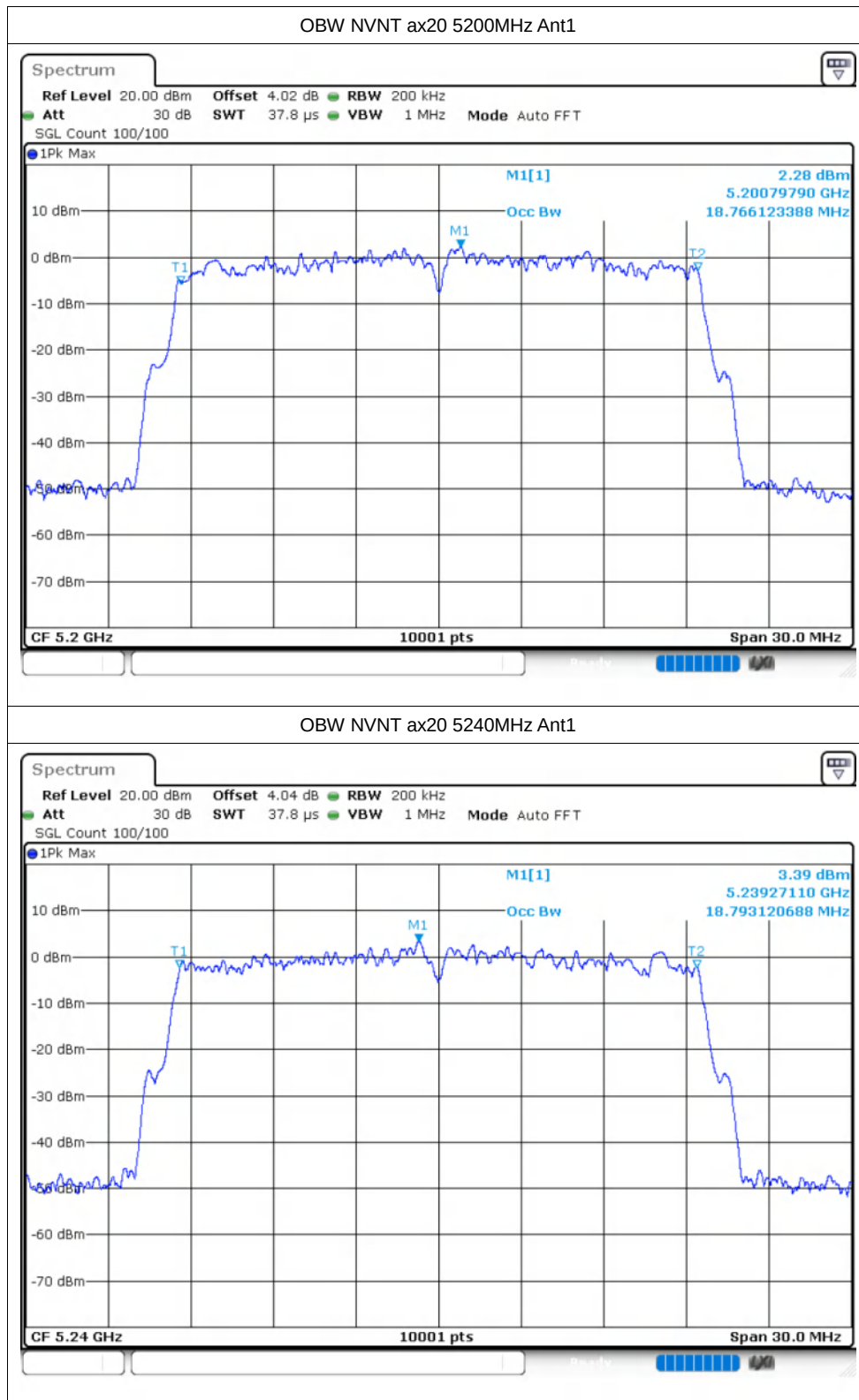
OBW NVNT n20 5180MHz Ant1









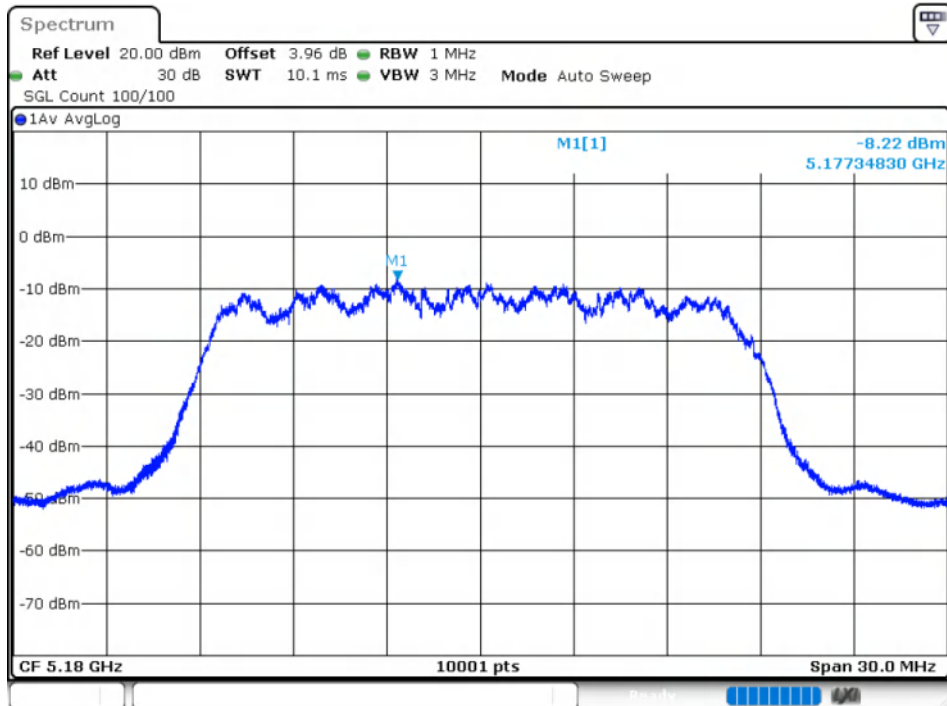


## Maximum Power Spectral Density Level

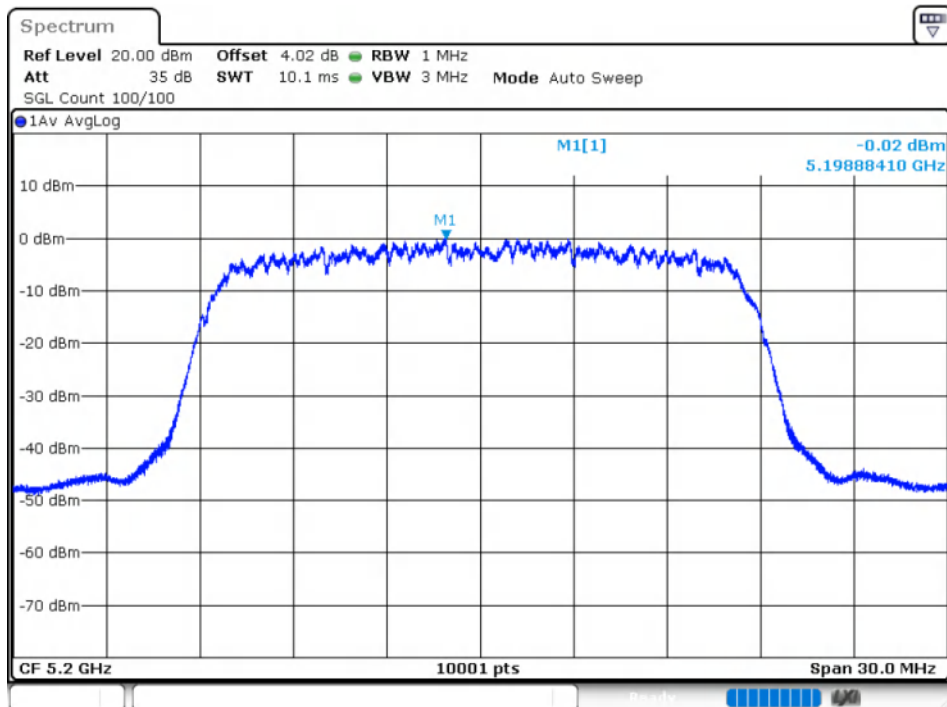
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Duty Factor (dB) | Total PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------------|------------------|-----------------|-------------|---------|
| NVNT      | a    | 5180            | Ant1    | -8.22               | 0.19             | -8.03           | 11          | Pass    |
| NVNT      | a    | 5200            | Ant1    | -0.02               | 0.19             | 0.17            | 11          | Pass    |
| NVNT      | a    | 5240            | Ant1    | 0.18                | 0.15             | 0.33            | 11          | Pass    |
| NVNT      | n20  | 5180            | Ant1    | -9.92               | 0.08             | -9.84           | 11          | Pass    |
| NVNT      | n20  | 5200            | Ant1    | -1.15               | 0.09             | -1.06           | 11          | Pass    |
| NVNT      | n20  | 5240            | Ant1    | -1.02               | 0.09             | -0.93           | 11          | Pass    |
| NVNT      | ac20 | 5180            | Ant1    | -2                  | 0.10             | -1.9            | 11          | Pass    |
| NVNT      | ac20 | 5200            | Ant1    | -1.42               | 0.08             | -1.34           | 11          | Pass    |
| NVNT      | ac20 | 5240            | Ant1    | -0.64               | 0.08             | -0.56           | 11          | Pass    |
| NVNT      | ax20 | 5180            | Ant1    | -2.39               | 0.11             | -2.28           | 11          | Pass    |
| NVNT      | ax20 | 5200            | Ant1    | -1.66               | 0.11             | -1.55           | 11          | Pass    |
| NVNT      | ax20 | 5240            | Ant1    | -1.48               | 0.11             | -1.37           | 11          | Pass    |

Test Graphs

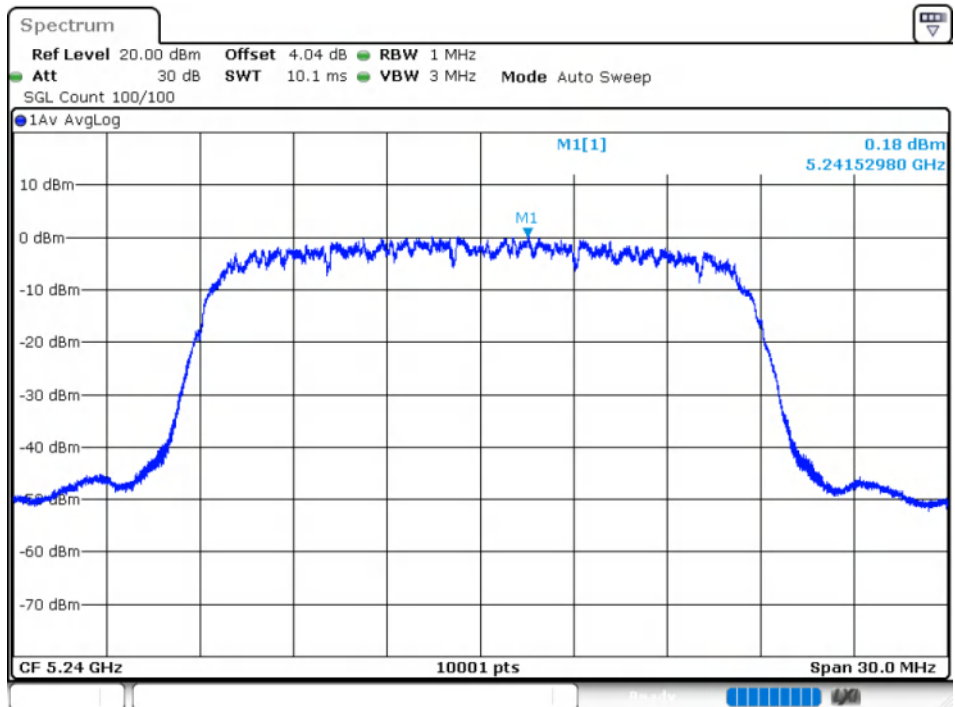
PSD NVNT a 5180MHz Ant1



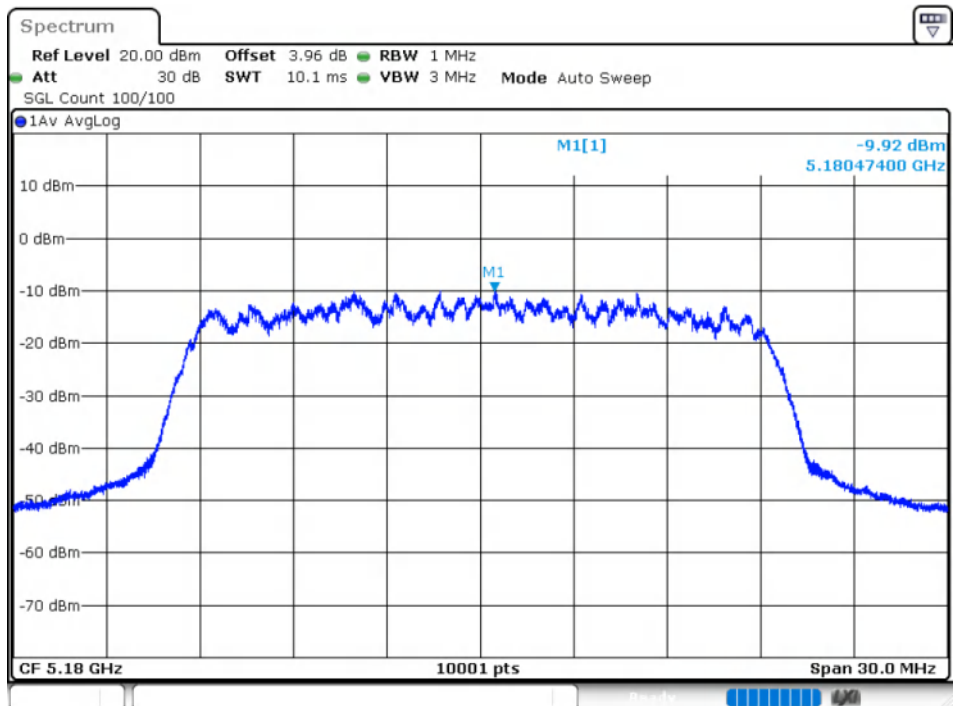
PSD NVNT a 5200MHz Ant1

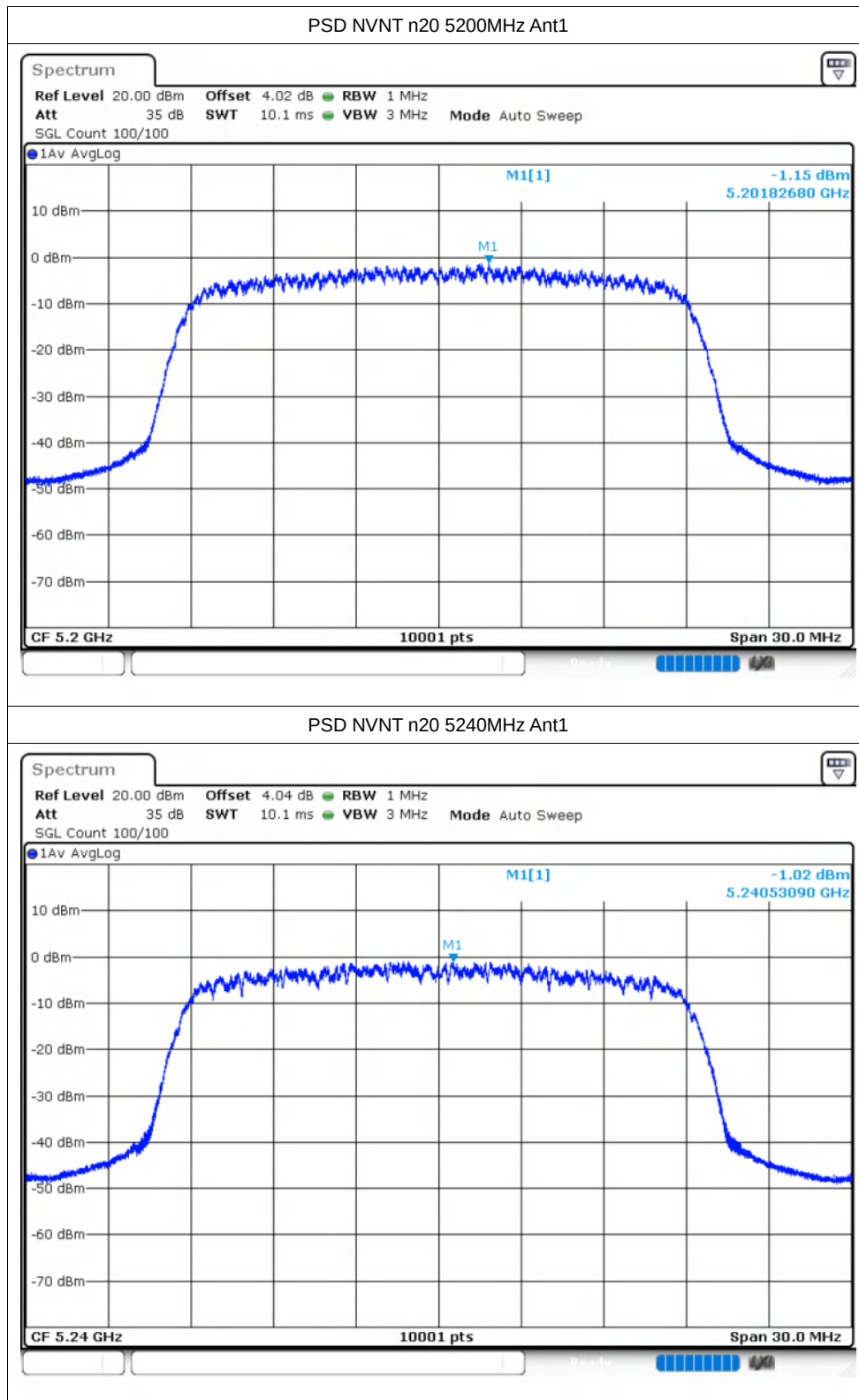


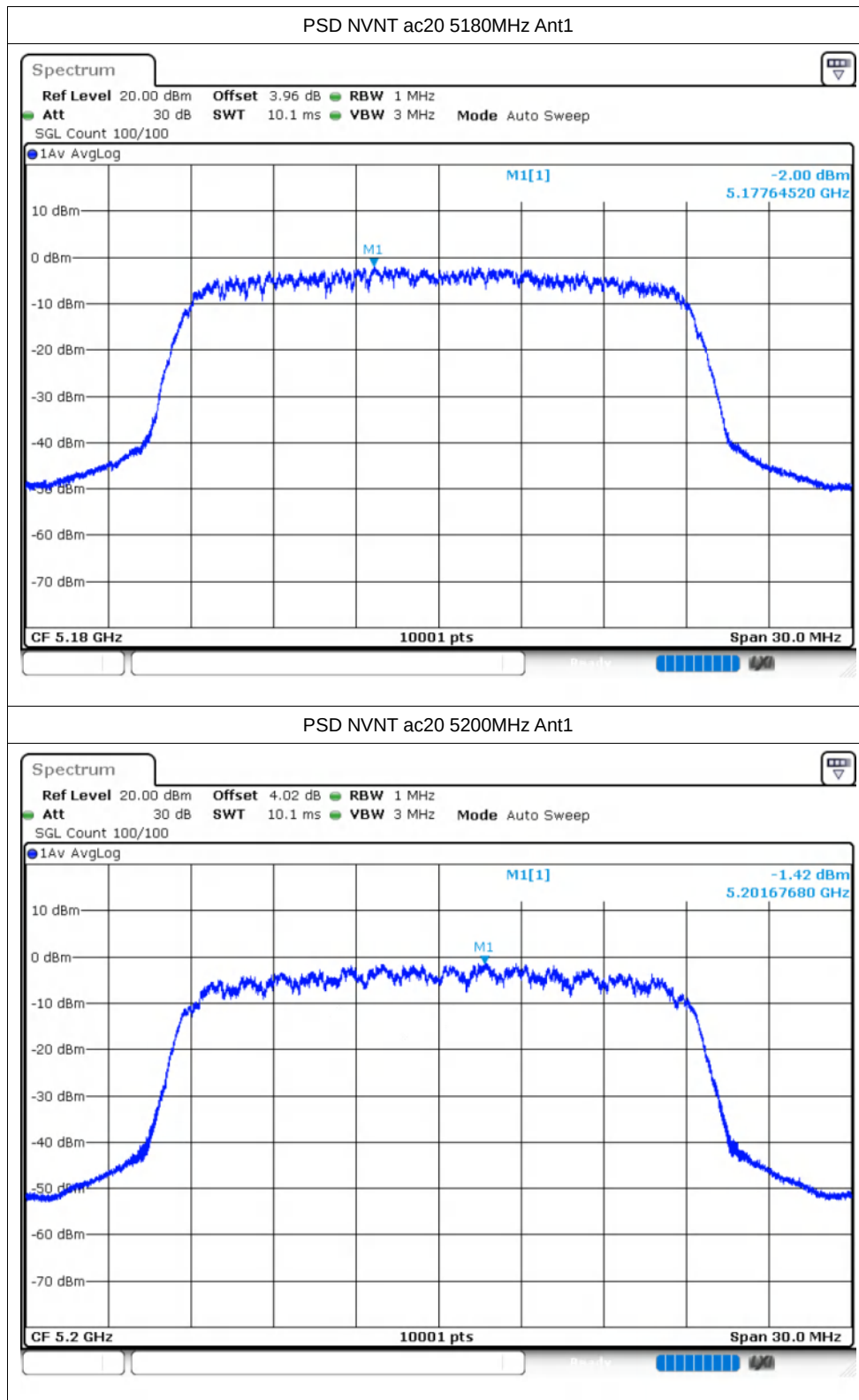
PSD NVNT a 5240MHz Ant1

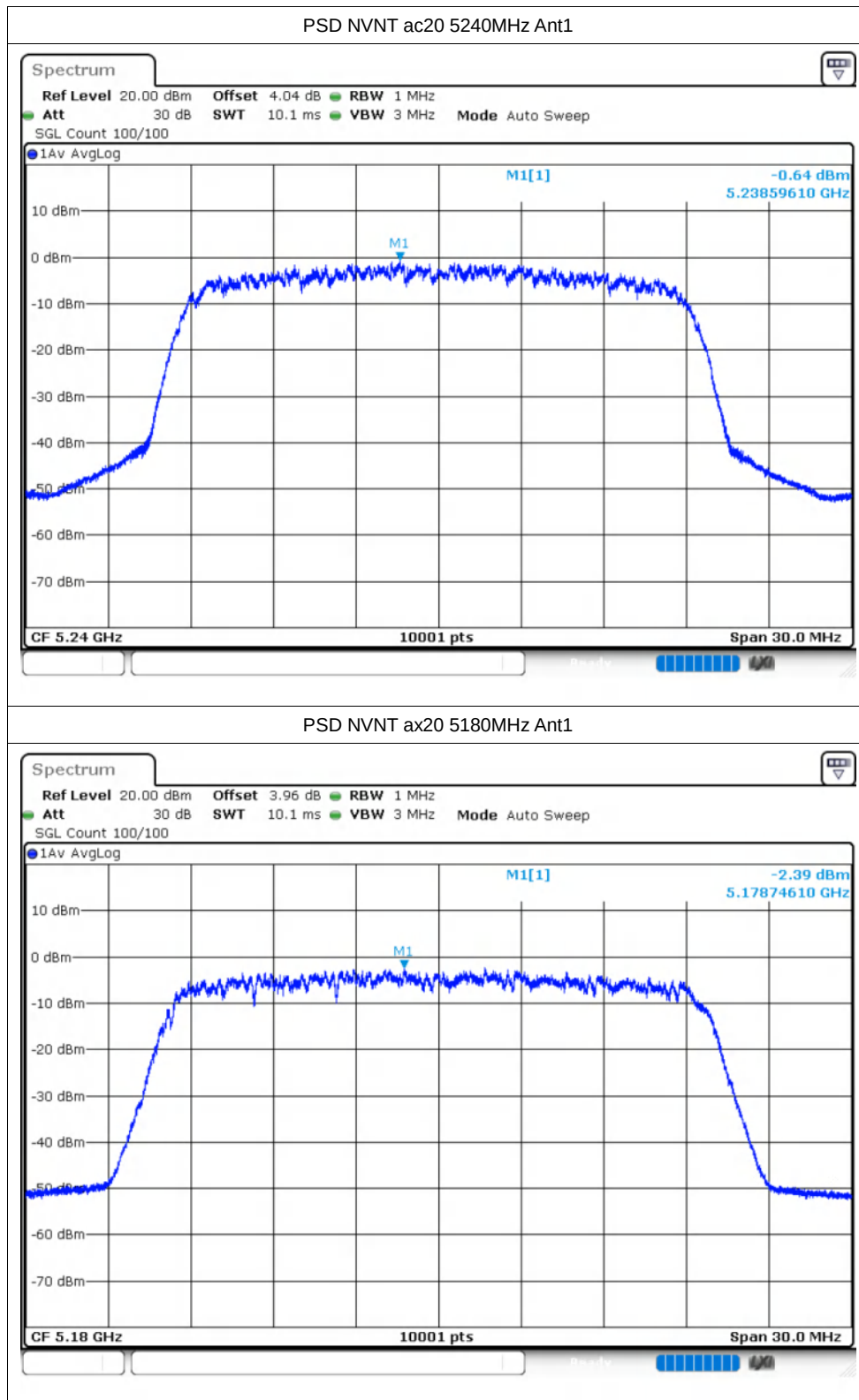


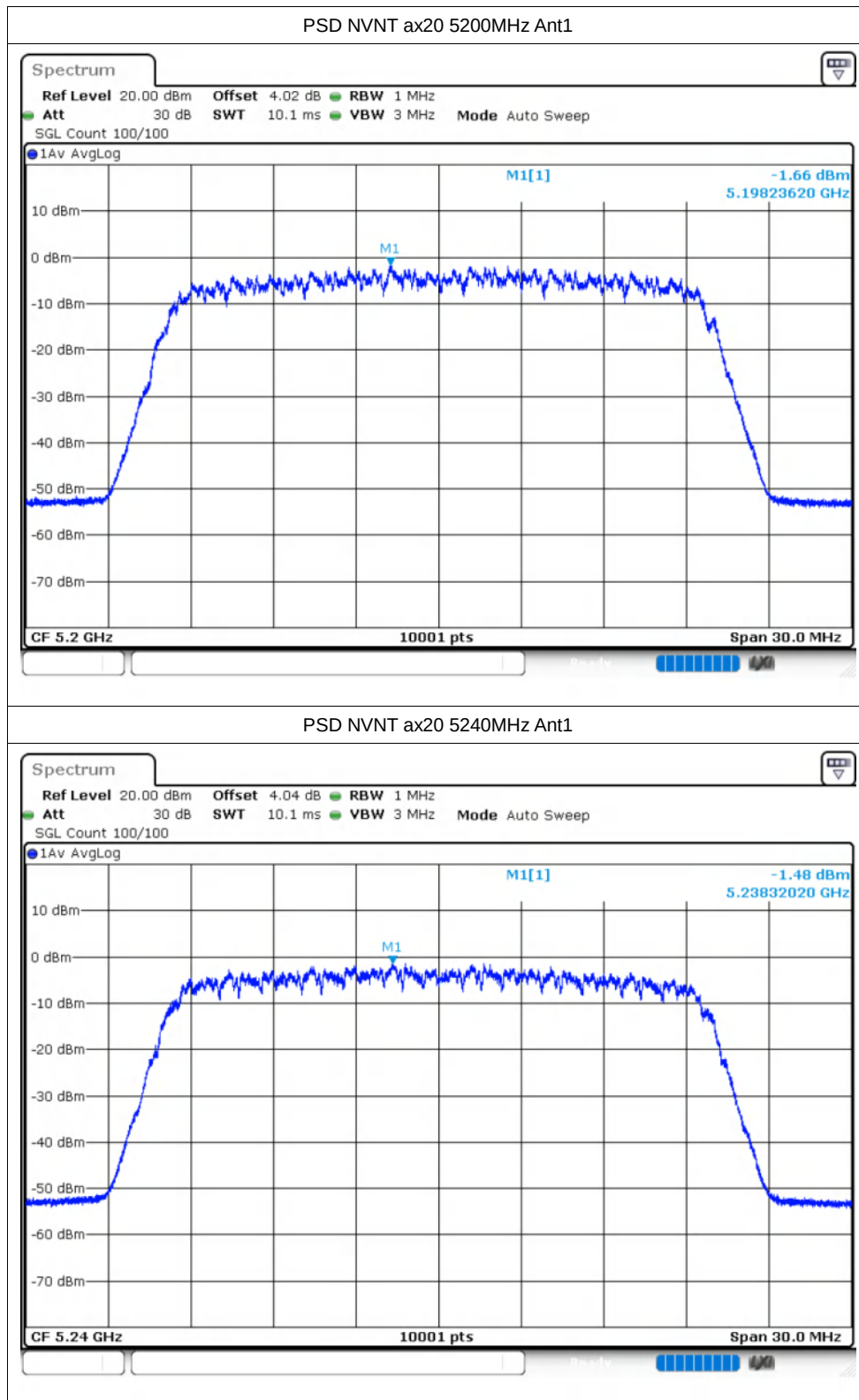
PSD NVNT n20 5180MHz Ant1











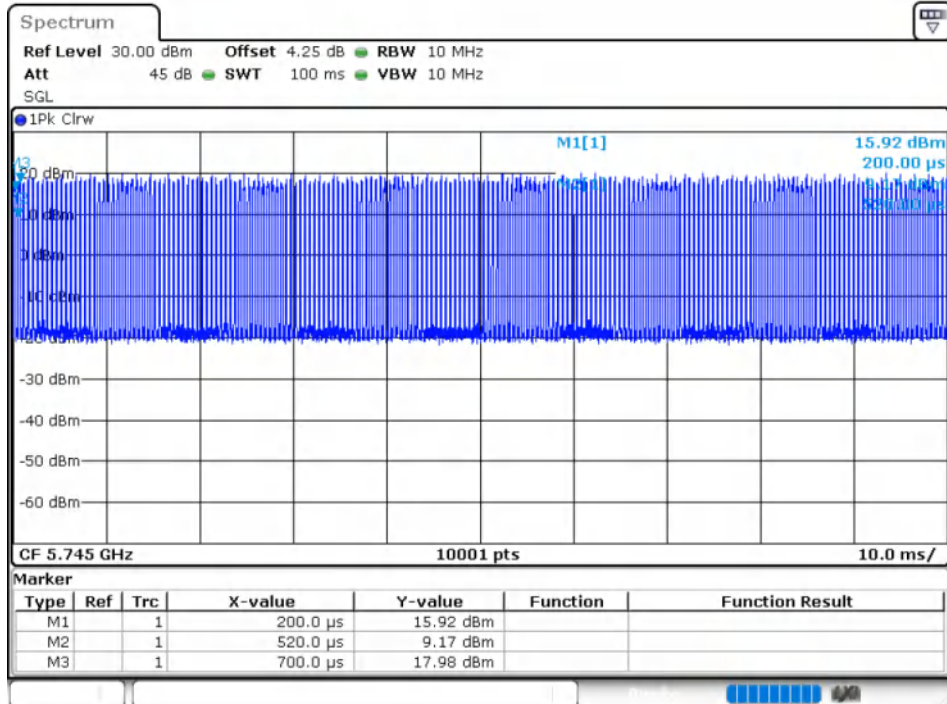
# WIFI 5.8G

## Duty Cycle

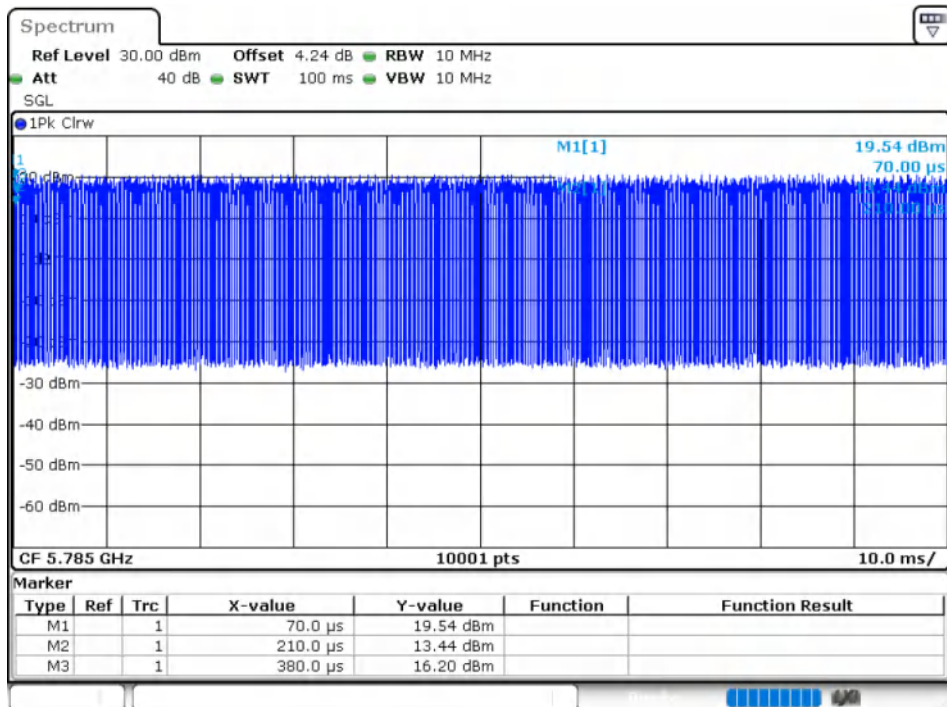
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5745            | Ant1    | 96.47          | 0.13                   | 0.92      |
| NVNT      | a    | 5785            | Ant1    | 96.68          | 0.13                   | 0.92      |
| NVNT      | a    | 5825            | Ant1    | 96.97          | 0.13                   | 0.92      |
| NVNT      | n20  | 5745            | Ant1    | 98.05          | 0.09                   | 0.77      |
| NVNT      | n20  | 5785            | Ant1    | 98.05          | 0.09                   | 0.77      |
| NVNT      | n20  | 5825            | Ant1    | 99.67          | 0.01                   | 0.76      |
| NVNT      | ac20 | 5745            | Ant1    | 98.44          | 0.08                   | 0.76      |
| NVNT      | ac20 | 5785            | Ant1    | 98.08          | 0.08                   | 0.76      |
| NVNT      | ac20 | 5825            | Ant1    | 98.07          | 0.08                   | 0.76      |
| NVNT      | ax20 | 5745            | Ant1    | 96.69          | 0.11                   | 0.99      |
| NVNT      | ax20 | 5785            | Ant1    | 97.59          | 0.11                   | 0.98      |
| NVNT      | ax20 | 5825            | Ant1    | 97.53          | 0.11                   | 0.99      |

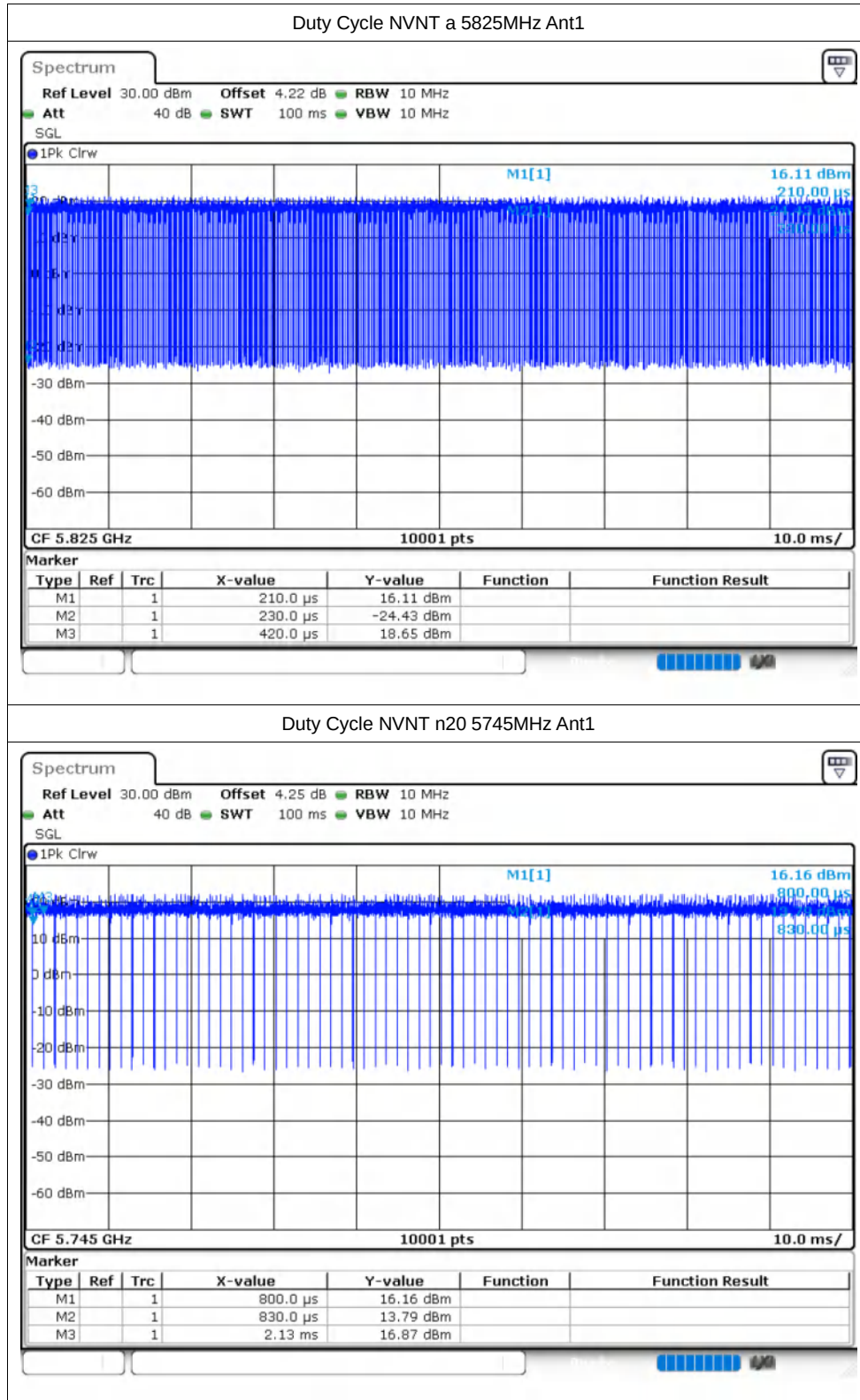
Test Graphs

Duty Cycle NVNT a 5745MHz Ant1

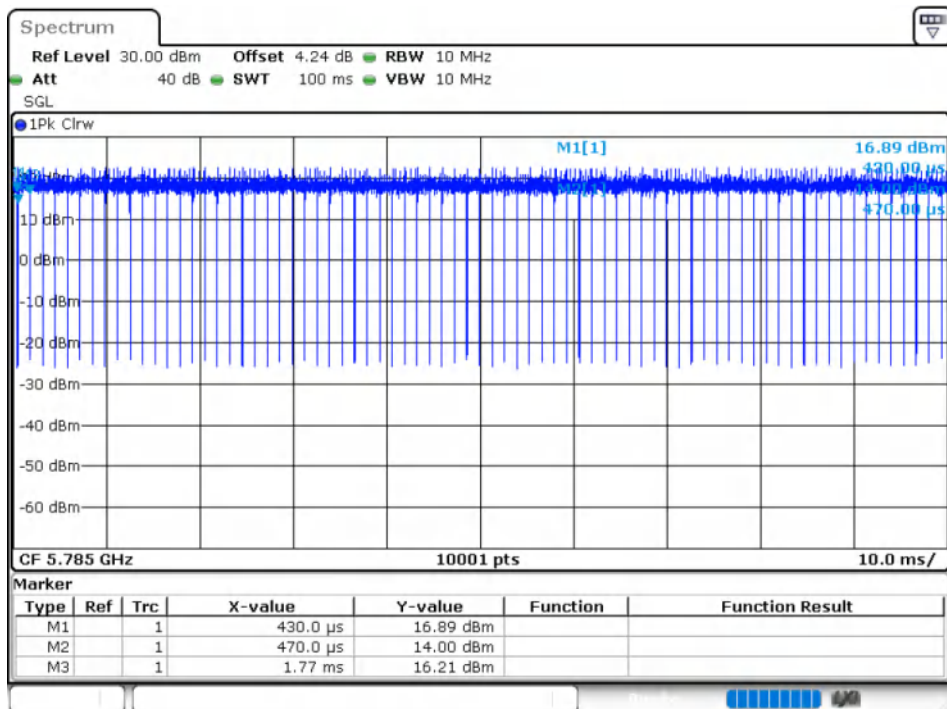


Duty Cycle NVNT a 5785MHz Ant1

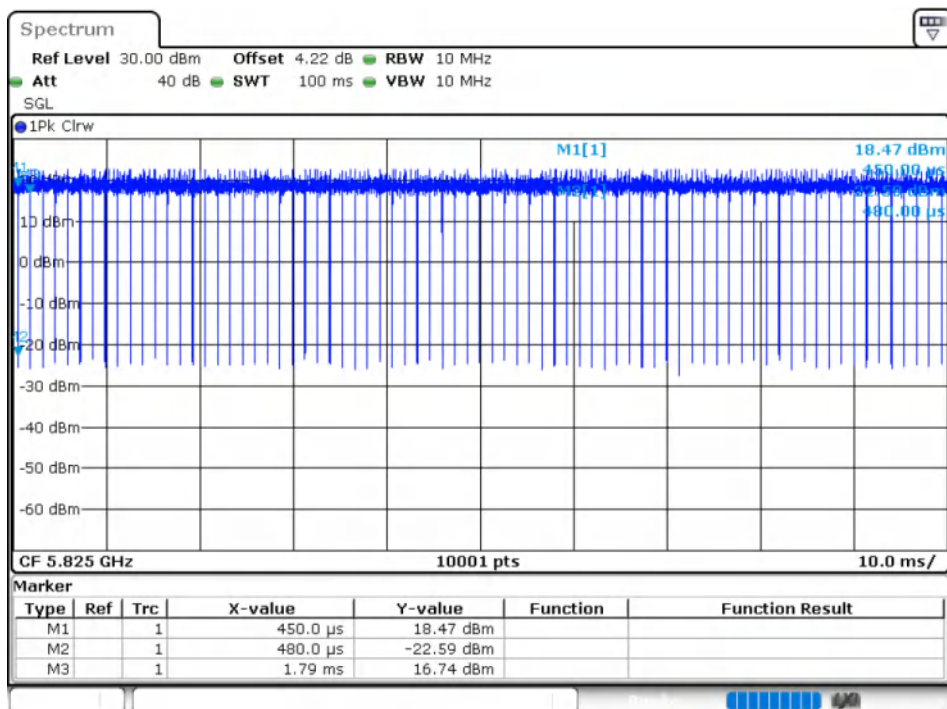




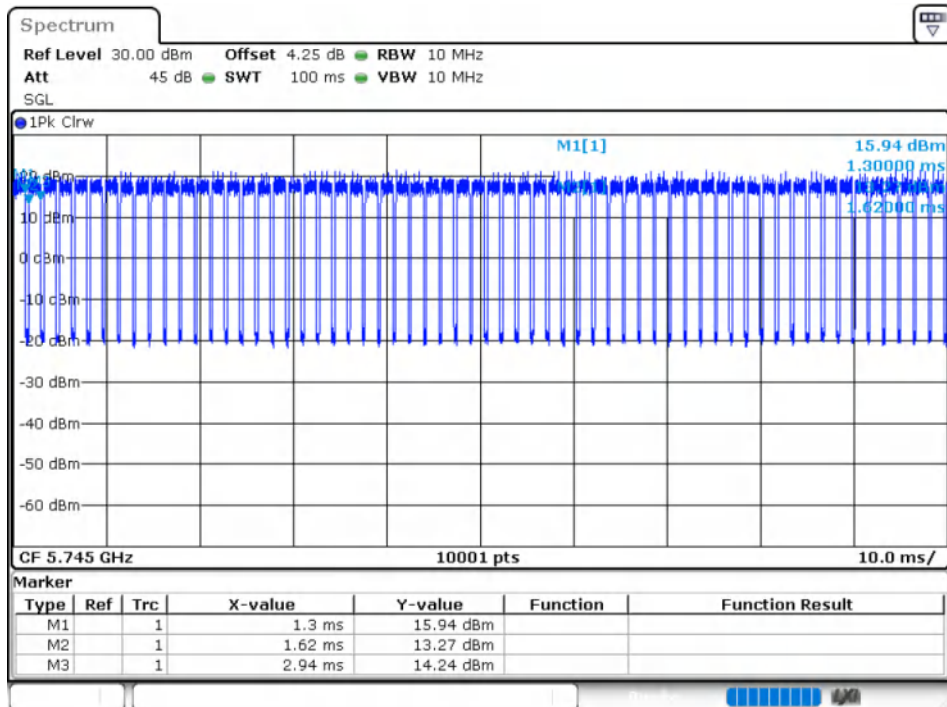
Duty Cycle NVNT n20 5785MHz Ant1



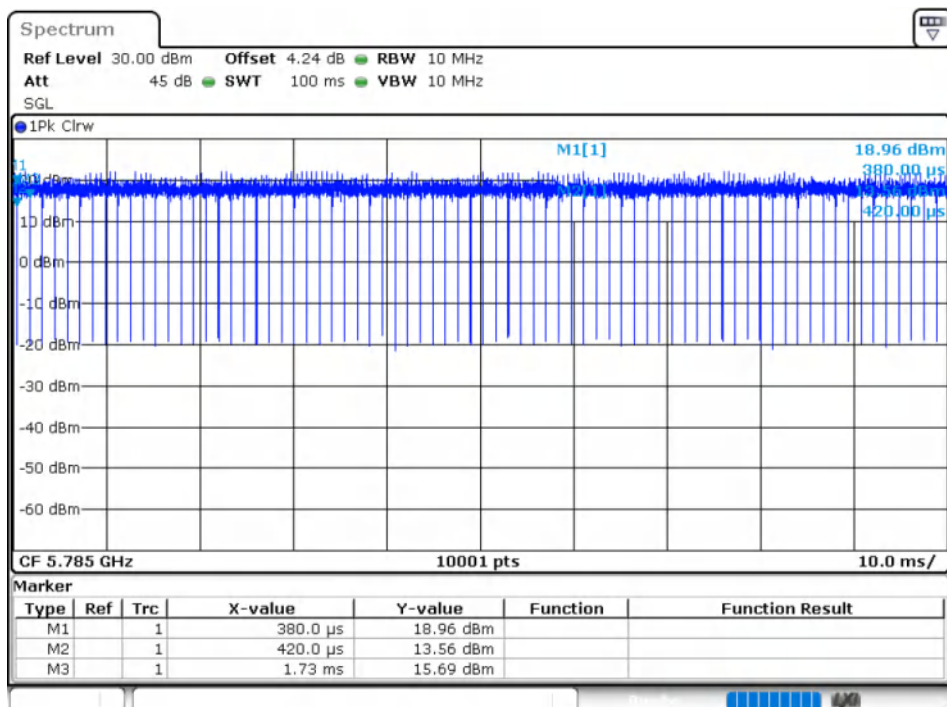
Duty Cycle NVNT n20 5825MHz Ant1



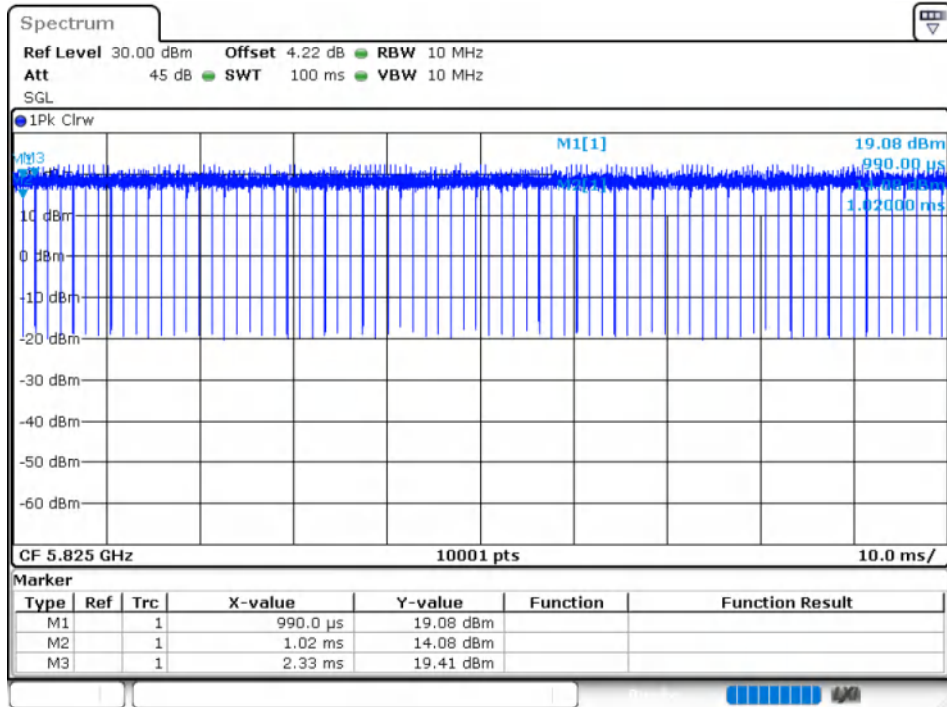
Duty Cycle NVNT ac20 5745MHz Ant1



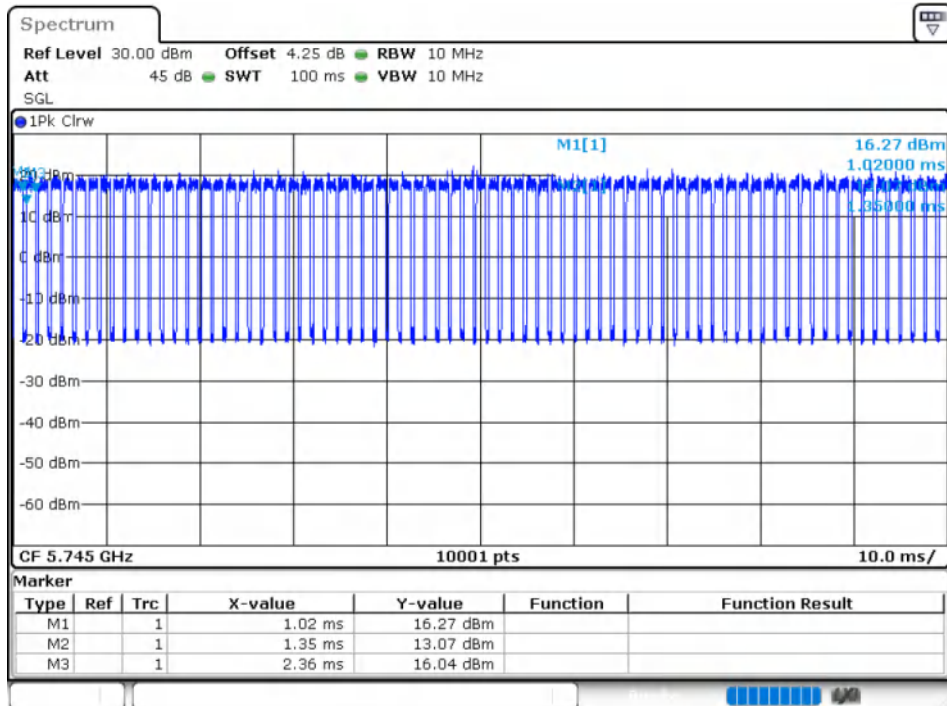
Duty Cycle NVNT ac20 5785MHz Ant1



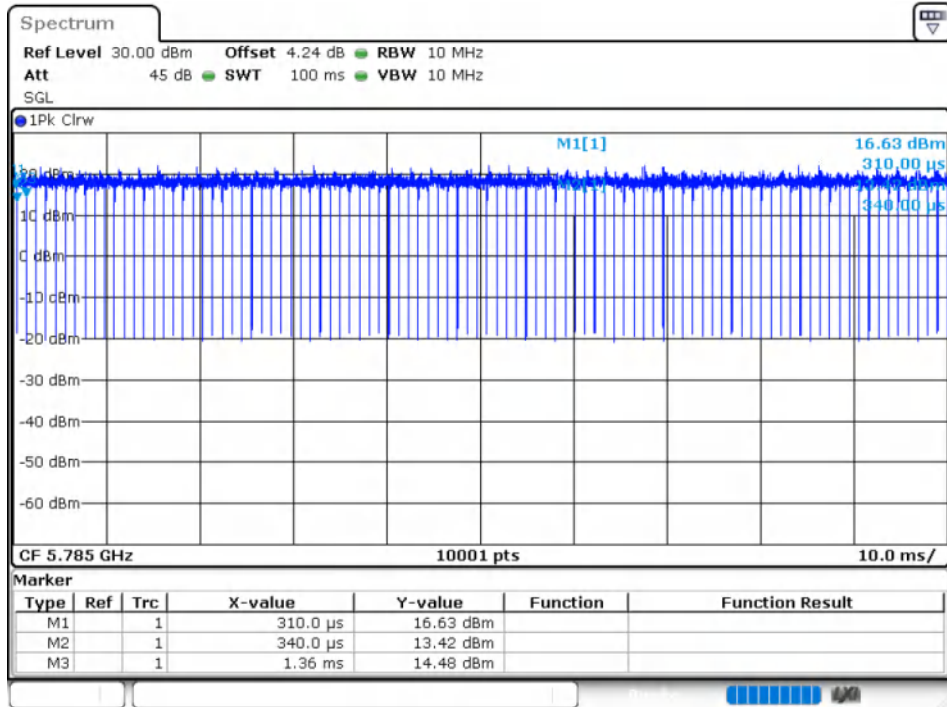
Duty Cycle NVNT ac20 5825MHz Ant1



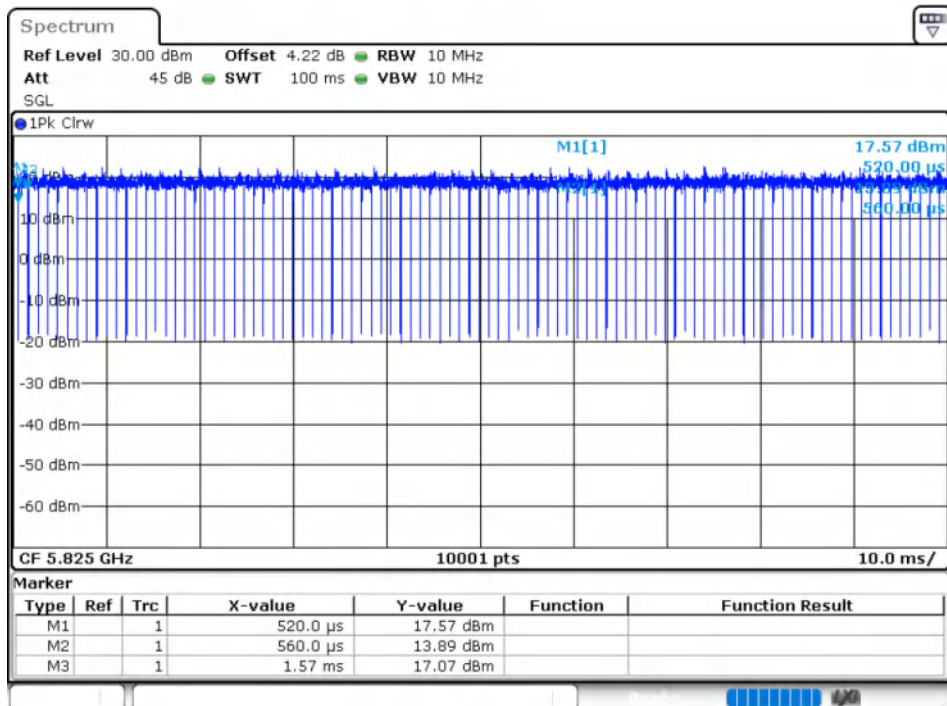
Duty Cycle NVNT ax20 5745MHz Ant1



Duty Cycle NVNT ax20 5785MHz Ant1



Duty Cycle NVNT ax20 5825MHz Ant1



## Maximum Conducted Output Power

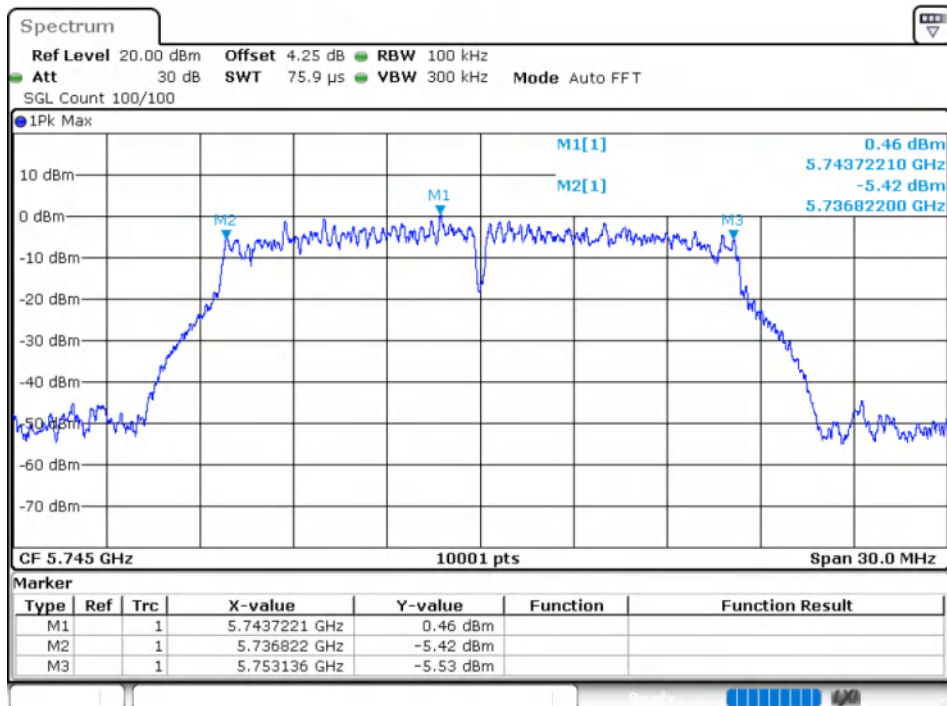
| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------------|----------------|---------|
| NVNT      | a    | 5745               | Ant1    | 11.67                    | 30             | Pass    |
| NVNT      | a    | 5785               | Ant1    | 11.95                    | 30             | Pass    |
| NVNT      | a    | 5825               | Ant1    | 12.69                    | 30             | Pass    |
| NVNT      | n20  | 5745               | Ant1    | 12.35                    | 30             | Pass    |
| NVNT      | n20  | 5785               | Ant1    | 12.44                    | 30             | Pass    |
| NVNT      | n20  | 5825               | Ant1    | 13.13                    | 30             | Pass    |
| NVNT      | ac20 | 5745               | Ant1    | 12.08                    | 30             | Pass    |
| NVNT      | ac20 | 5785               | Ant1    | 12.37                    | 30             | Pass    |
| NVNT      | ac20 | 5825               | Ant1    | 13.19                    | 30             | Pass    |
| NVNT      | ax20 | 5745               | Ant1    | 12.18                    | 30             | Pass    |
| NVNT      | ax20 | 5785               | Ant1    | 12.68                    | 30             | Pass    |
| NVNT      | ax20 | 5825               | Ant1    | 13.23                    | 30             | Pass    |

## -6dB Bandwidth

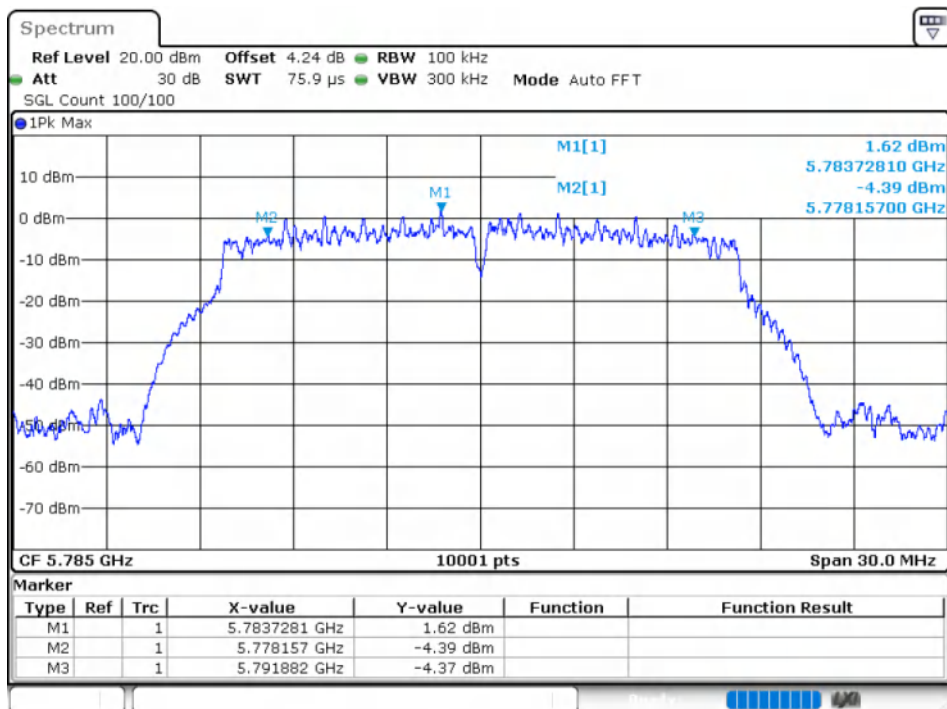
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | a    | 5745            | Ant1    | 16.314                | 0.5                         | Pass    |
| NVNT      | a    | 5785            | Ant1    | 13.725                | 0.5                         | Pass    |
| NVNT      | a    | 5825            | Ant1    | 15.669                | 0.5                         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 14.667                | 0.5                         | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 17.553                | 0.5                         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 17.283                | 0.5                         | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 17.301                | 0.5                         | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 17.283                | 0.5                         | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 16.923                | 0.5                         | Pass    |
| NVNT      | ax20 | 5745            | Ant1    | 18.822                | 0.5                         | Pass    |
| NVNT      | ax20 | 5785            | Ant1    | 17.691                | 0.5                         | Pass    |
| NVNT      | ax20 | 5825            | Ant1    | 17.607                | 0.5                         | Pass    |

Test Graphs

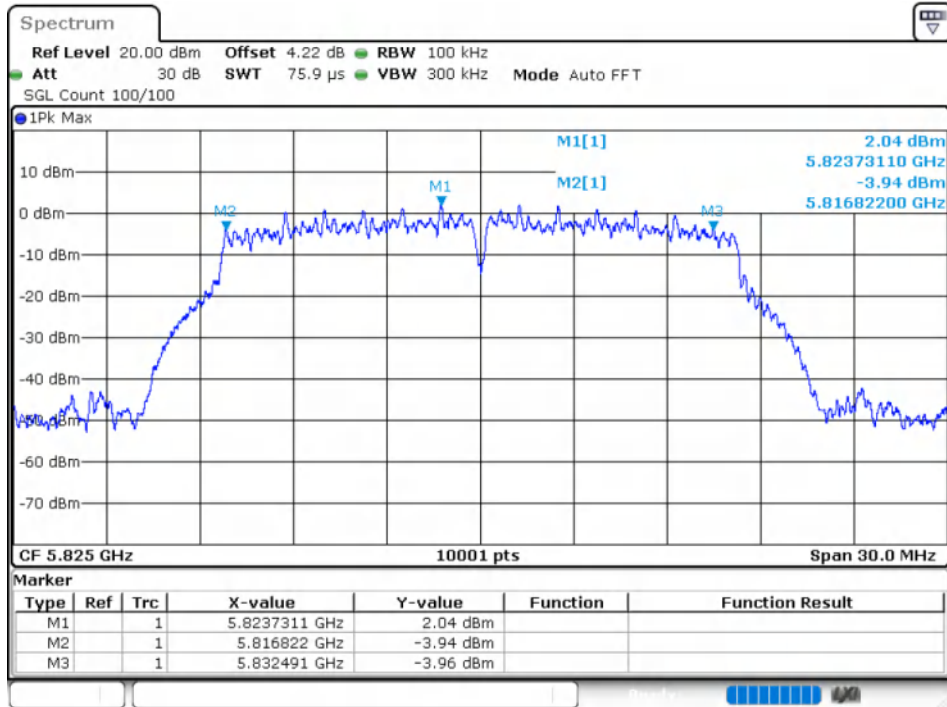
-6dB Bandwidth NVNT a 5745MHz Ant1



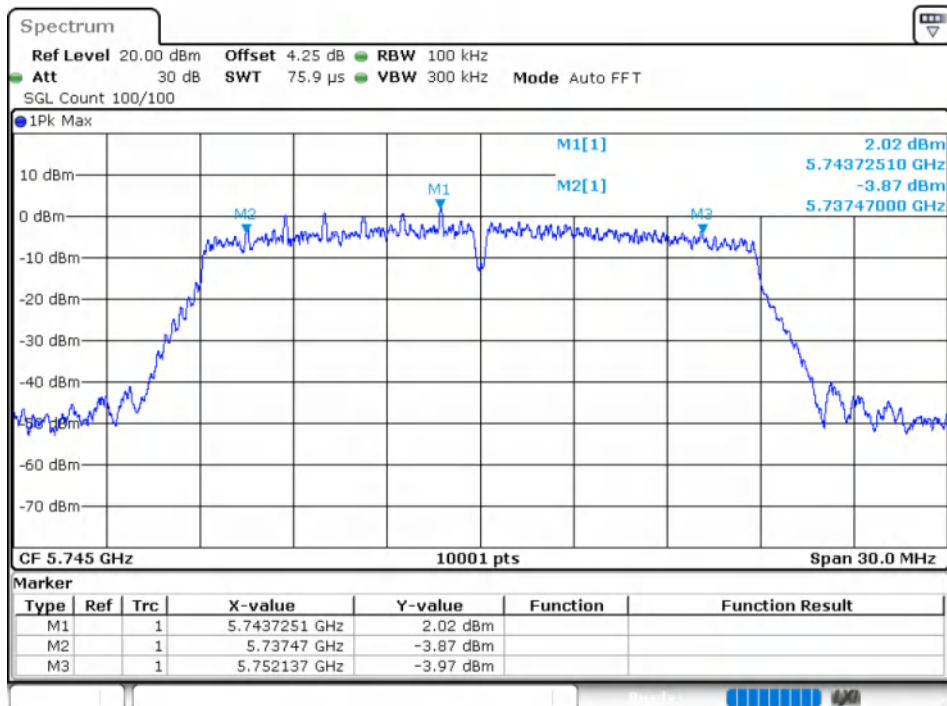
-6dB Bandwidth NVNT a 5785MHz Ant1



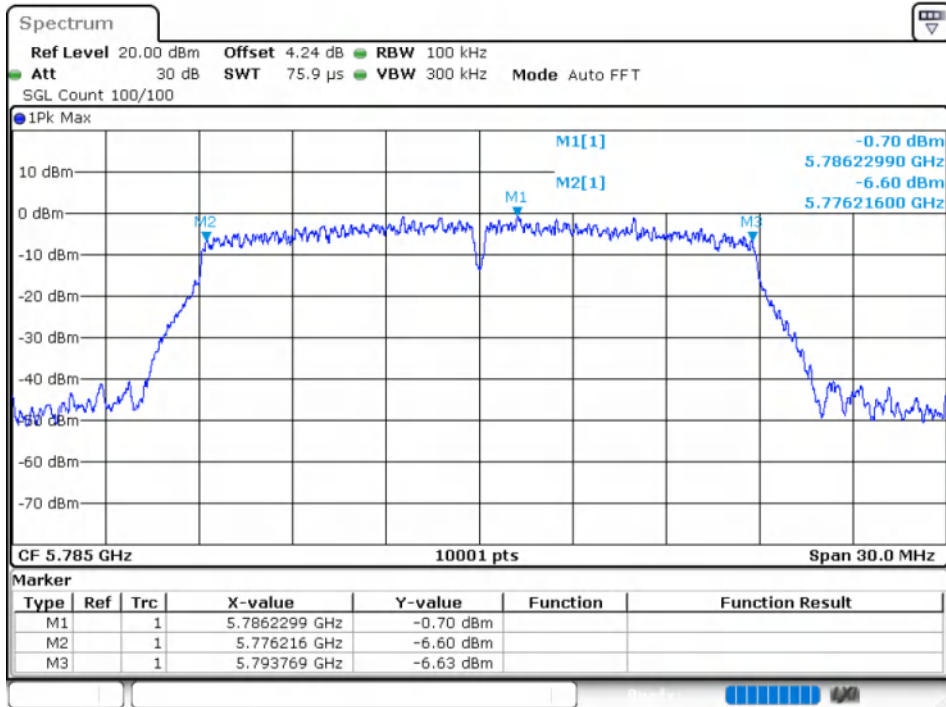
-6dB Bandwidth NVNT a 5825MHz Ant1



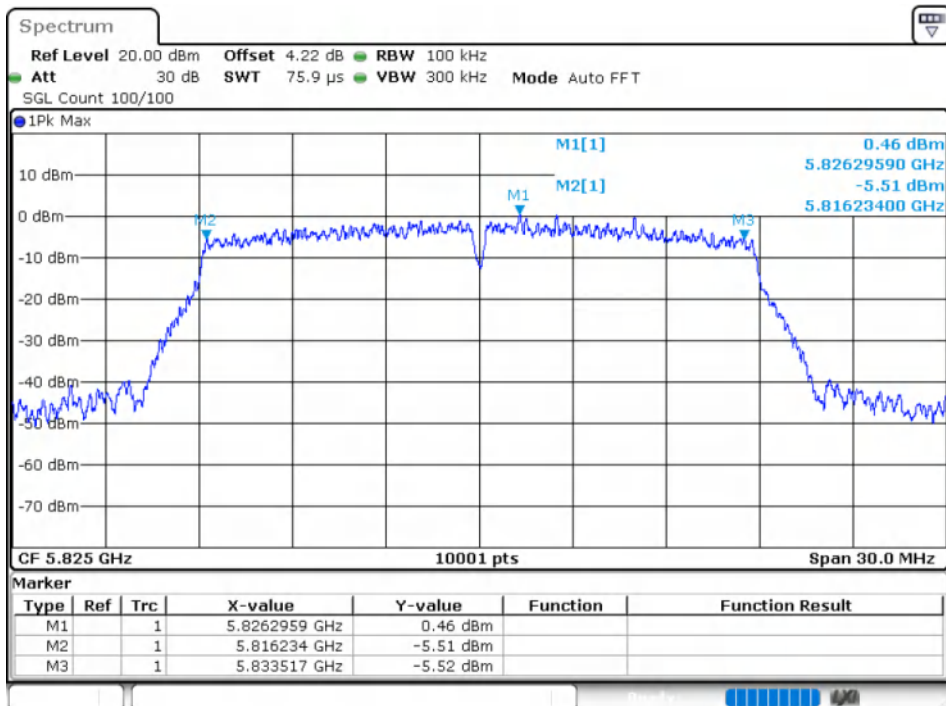
-6dB Bandwidth NVNT n20 5745MHz Ant1



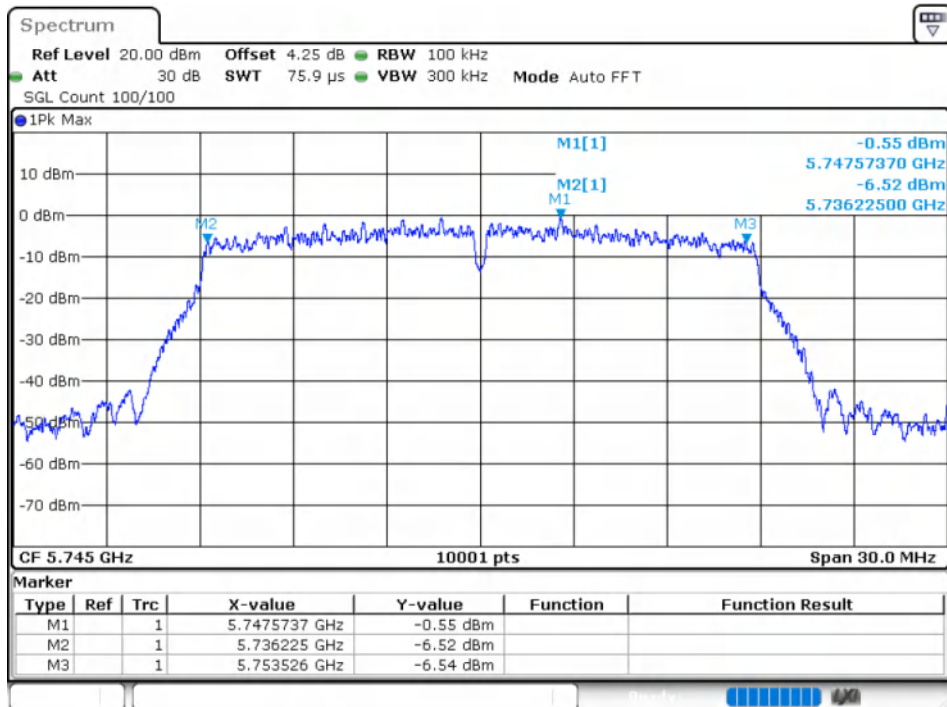
-6dB Bandwidth NVNT n20 5785MHz Ant1



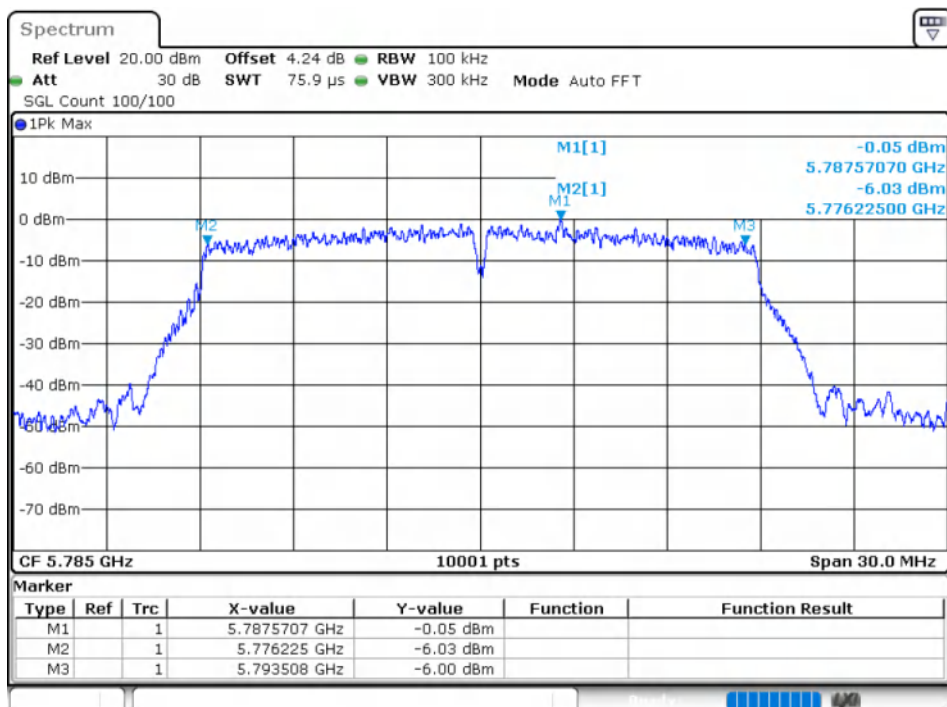
-6dB Bandwidth NVNT n20 5825MHz Ant1



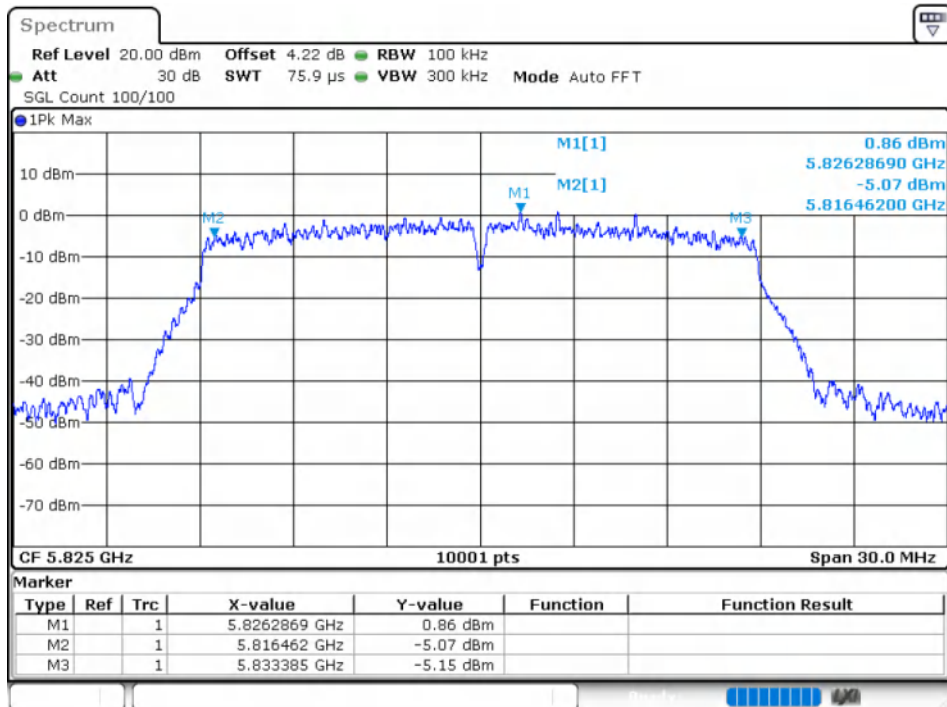
-6dB Bandwidth NVNT ac20 5745MHz Ant1



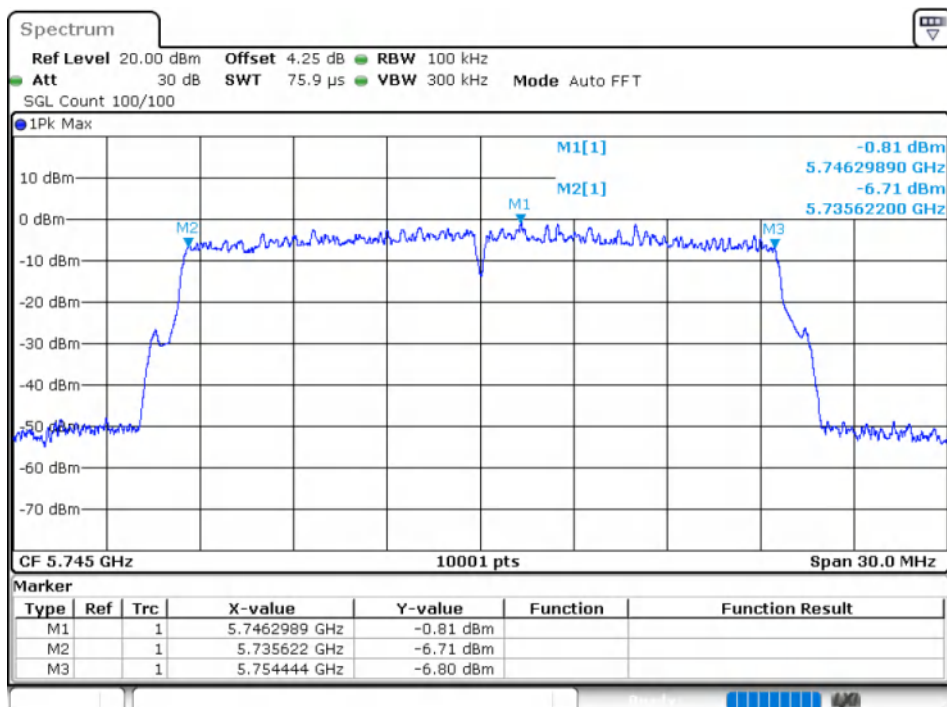
-6dB Bandwidth NVNT ac20 5785MHz Ant1



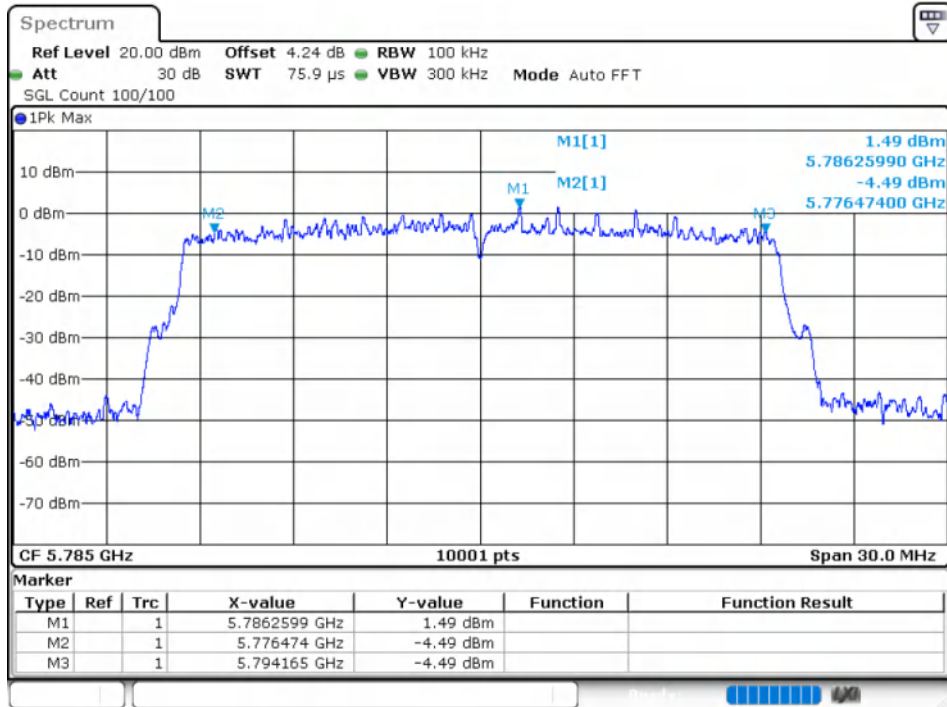
-6dB Bandwidth NVNT ac20 5825MHz Ant1



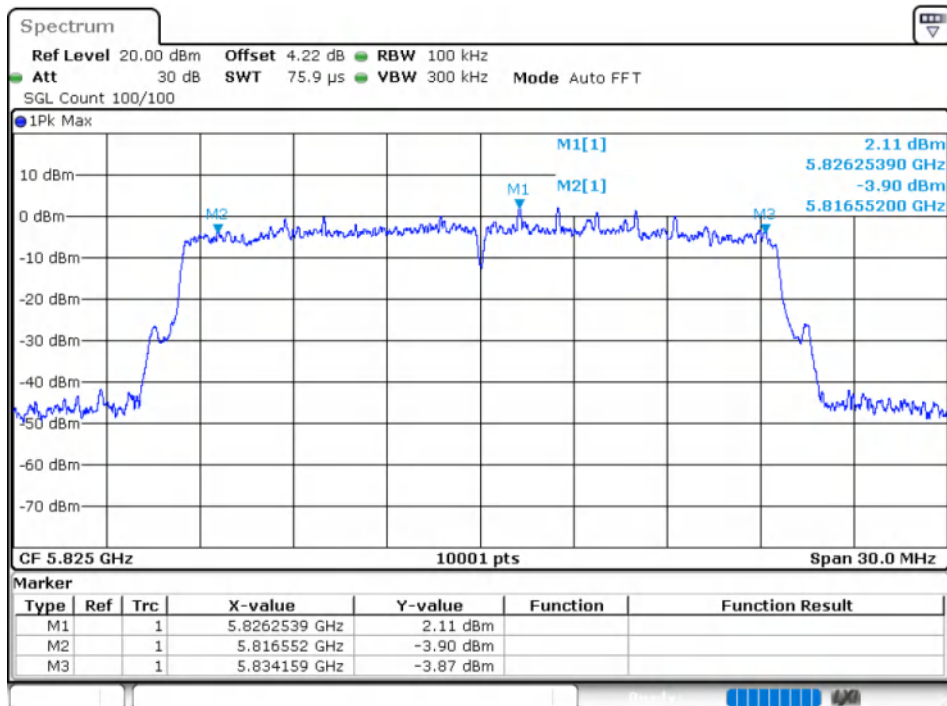
-6dB Bandwidth NVNT ax20 5745MHz Ant1



-6dB Bandwidth NVNT ax20 5785MHz Ant1



-6dB Bandwidth NVNT ax20 5825MHz Ant1

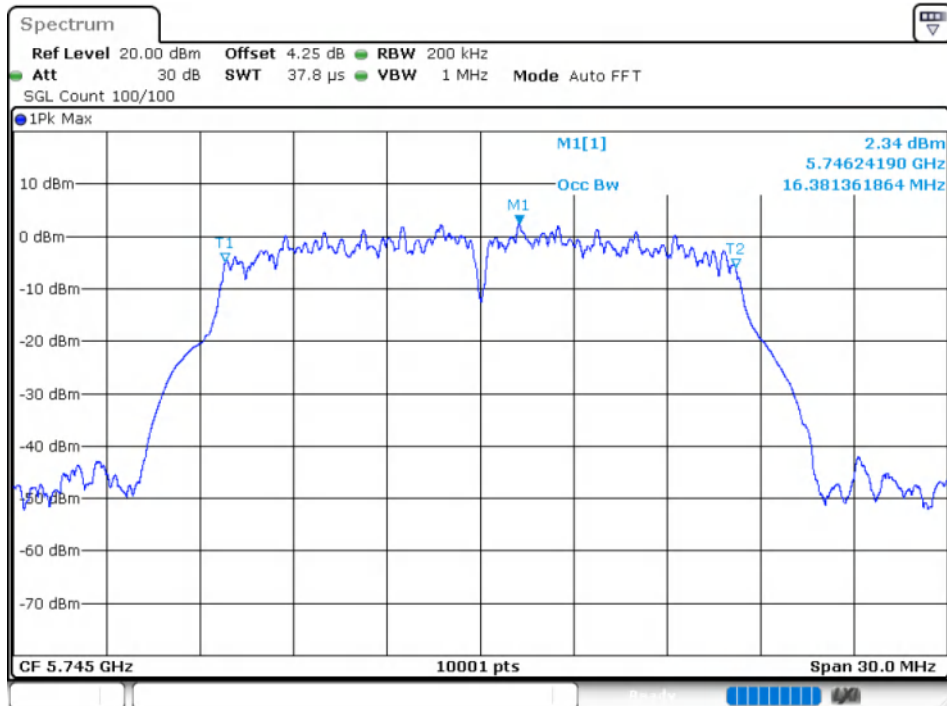


## Occupied Channel Bandwidth

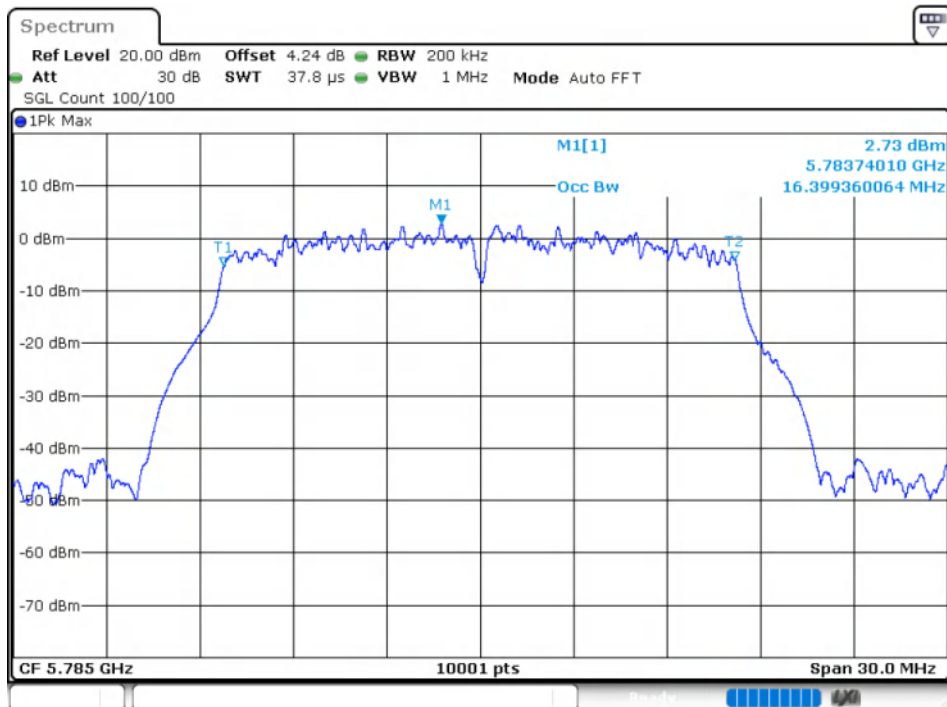
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5745            | Ant1    | 16.381        |
| NVNT      | a    | 5785            | Ant1    | 16.399        |
| NVNT      | a    | 5825            | Ant1    | 16.384        |
| NVNT      | n20  | 5745            | Ant1    | 17.641        |
| NVNT      | n20  | 5785            | Ant1    | 17.593        |
| NVNT      | n20  | 5825            | Ant1    | 17.458        |
| NVNT      | ac20 | 5745            | Ant1    | 17.548        |
| NVNT      | ac20 | 5785            | Ant1    | 17.626        |
| NVNT      | ac20 | 5825            | Ant1    | 17.491        |
| NVNT      | ax20 | 5745            | Ant1    | 18.838        |
| NVNT      | ax20 | 5785            | Ant1    | 18.793        |
| NVNT      | ax20 | 5825            | Ant1    | 18.823        |

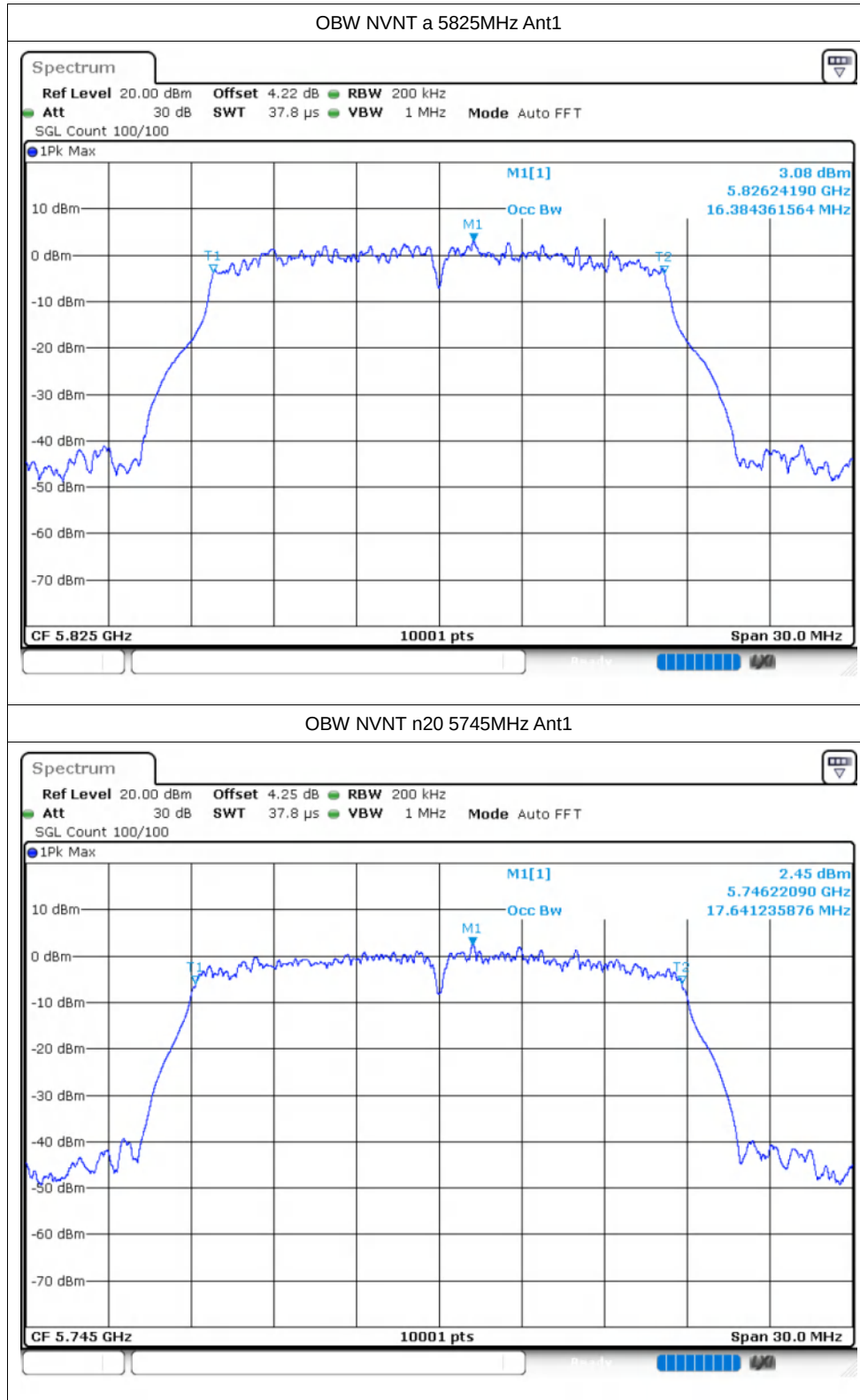
Test Graphs

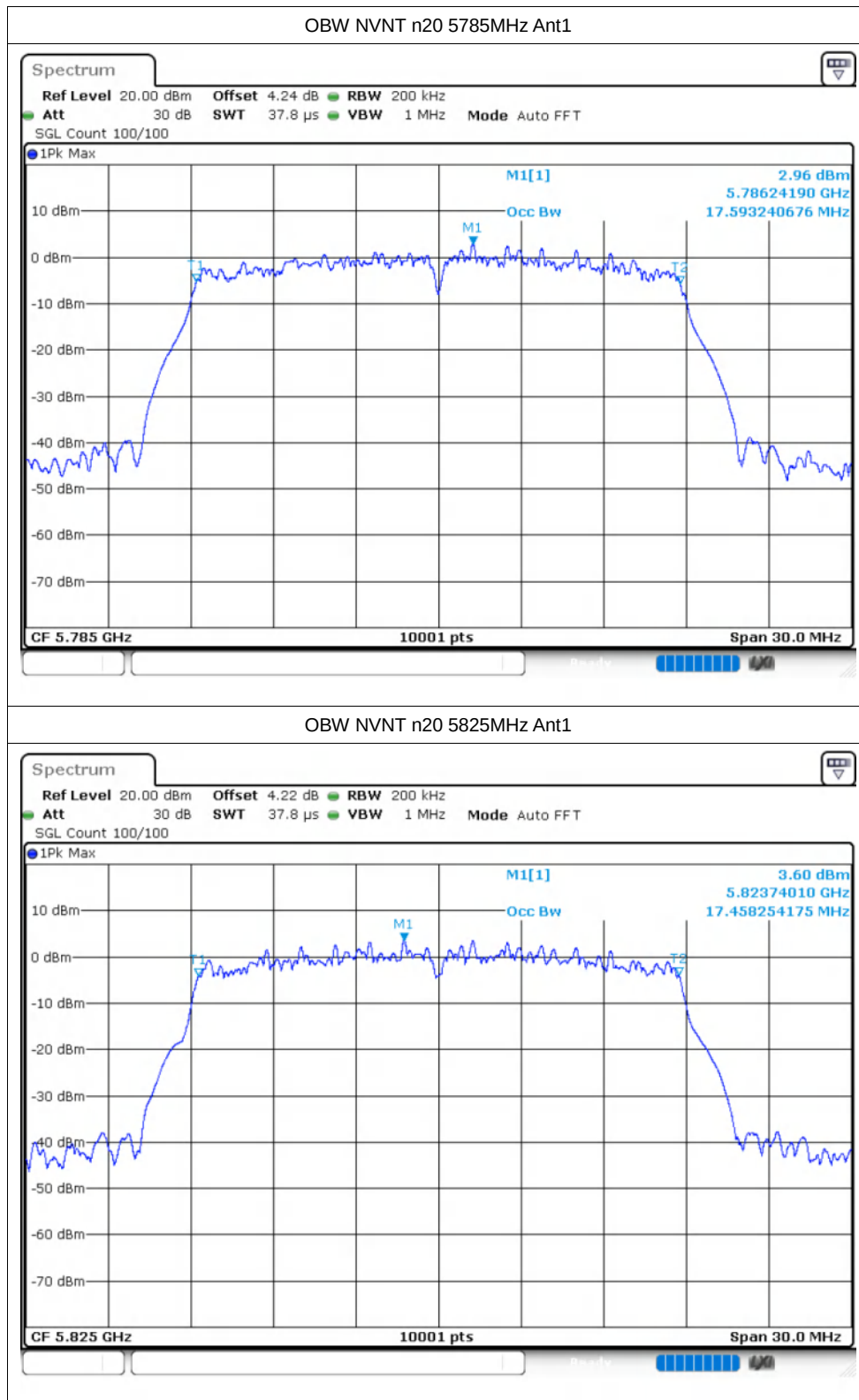
OBW NVNT a 5745MHz Ant1

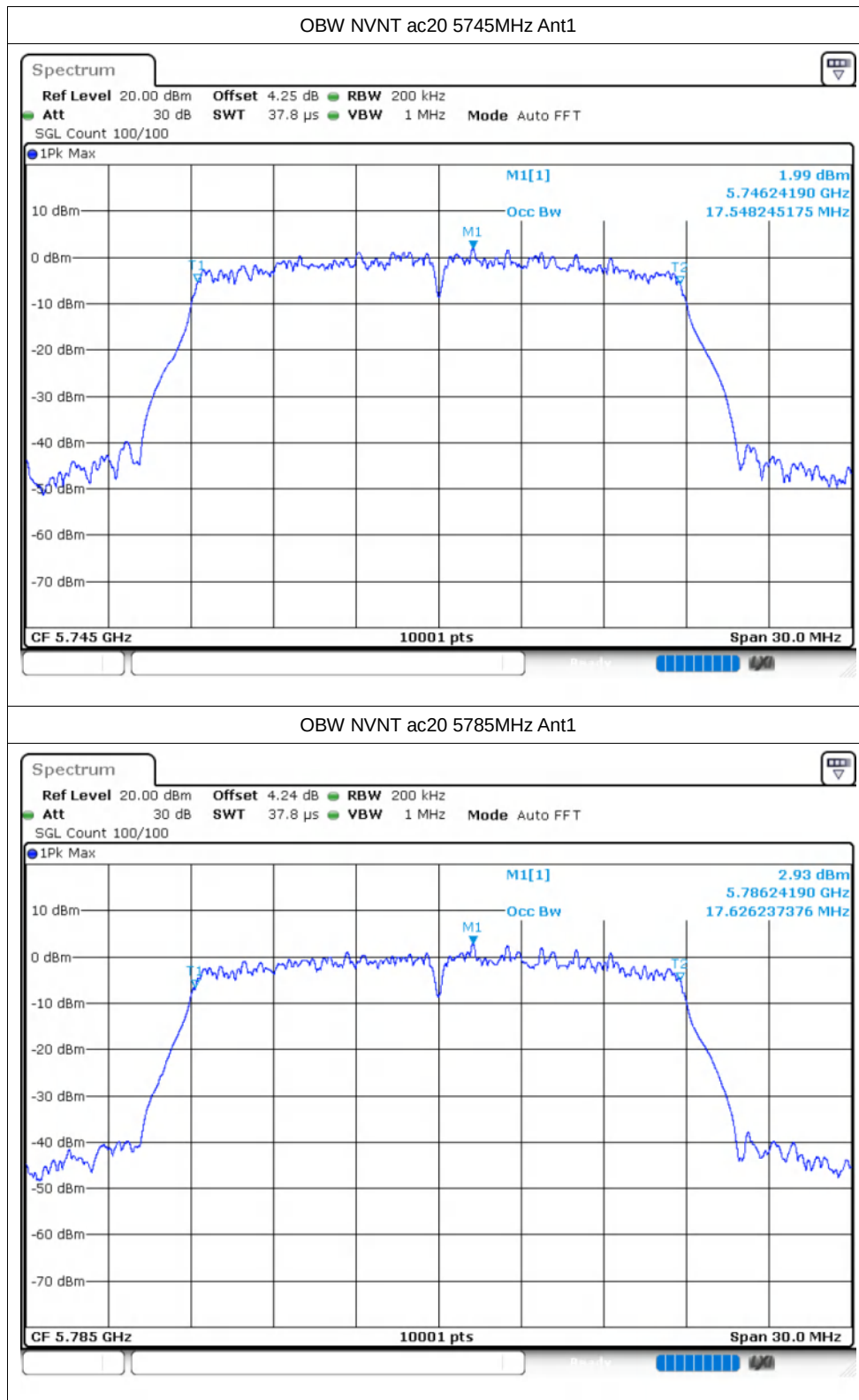


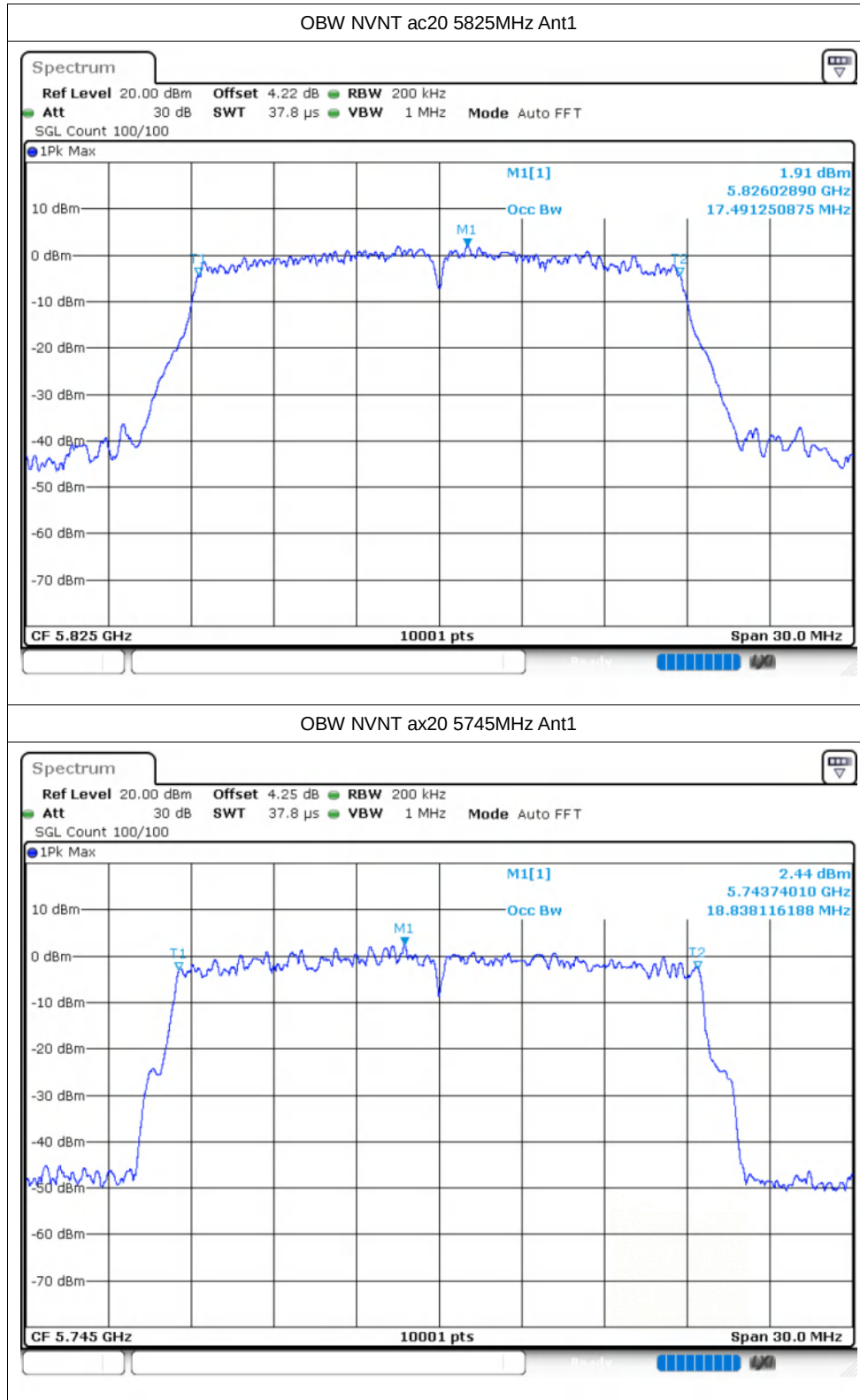
OBW NVNT a 5785MHz Ant1

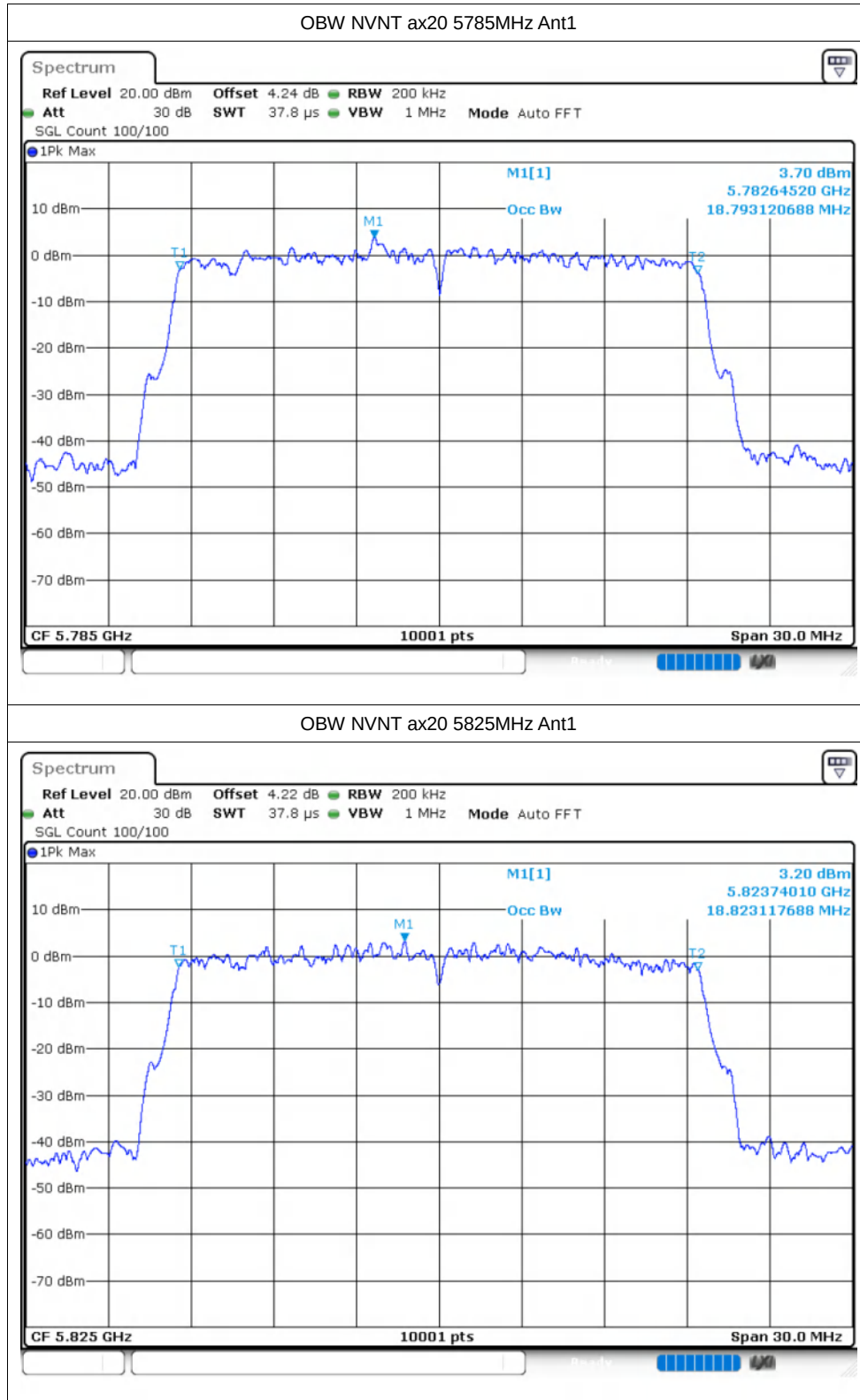










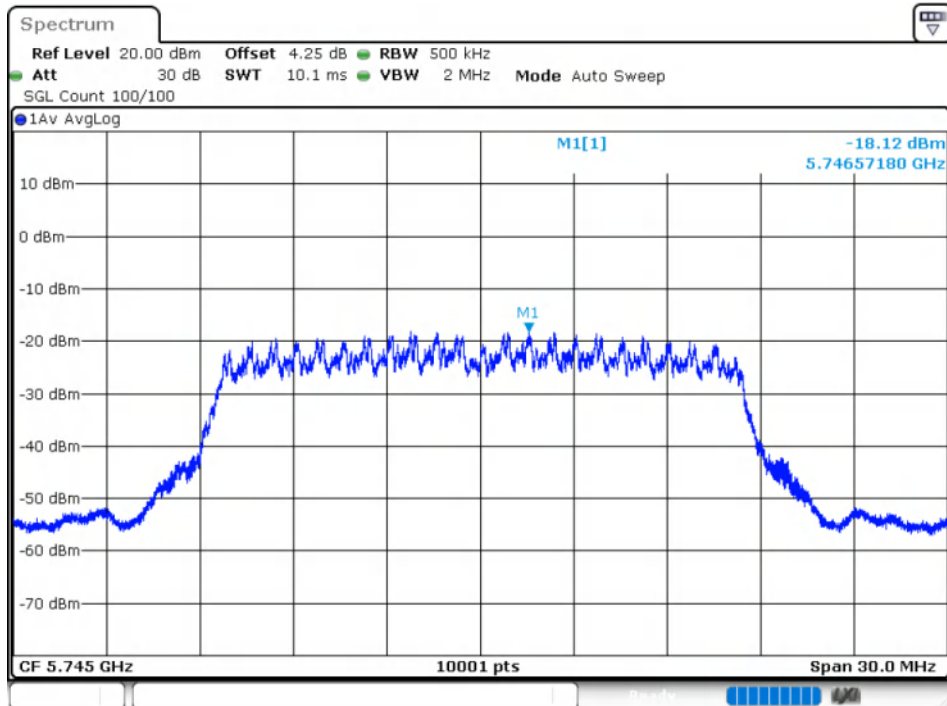


## Maximum Power Spectral Density Level

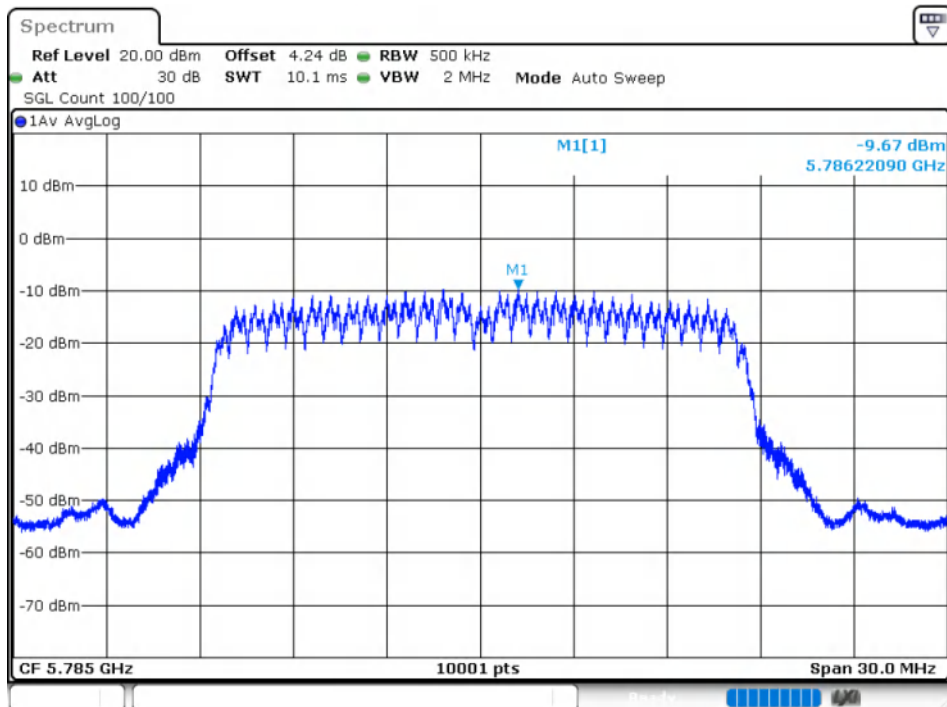
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Duty Factor (dB) | Total PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------------|------------------|-----------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | -18.12              | 0.13             | -17.99          | 30          | Pass    |
| NVNT      | a    | 5785            | Ant1    | -9.67               | 0.13             | -9.54           | 30          | Pass    |
| NVNT      | a    | 5825            | Ant1    | -9.31               | 0.13             | -9.18           | 30          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -3.87               | 0.09             | -3.78           | 30          | Pass    |
| NVNT      | n20  | 5785            | Ant1    | -3.87               | 0.09             | -3.78           | 30          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -3.6                | 0.01             | -3.59           | 30          | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -4.52               | 0.08             | -4.44           | 30          | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | -4.18               | 0.08             | -4.1            | 30          | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -3.37               | 0.08             | -3.29           | 30          | Pass    |
| NVNT      | ax20 | 5745            | Ant1    | -4.53               | 0.11             | -4.42           | 30          | Pass    |
| NVNT      | ax20 | 5785            | Ant1    | -4.44               | 0.11             | -4.33           | 30          | Pass    |
| NVNT      | ax20 | 5825            | Ant1    | -4.14               | 0.11             | -4.03           | 30          | Pass    |

Test Graphs

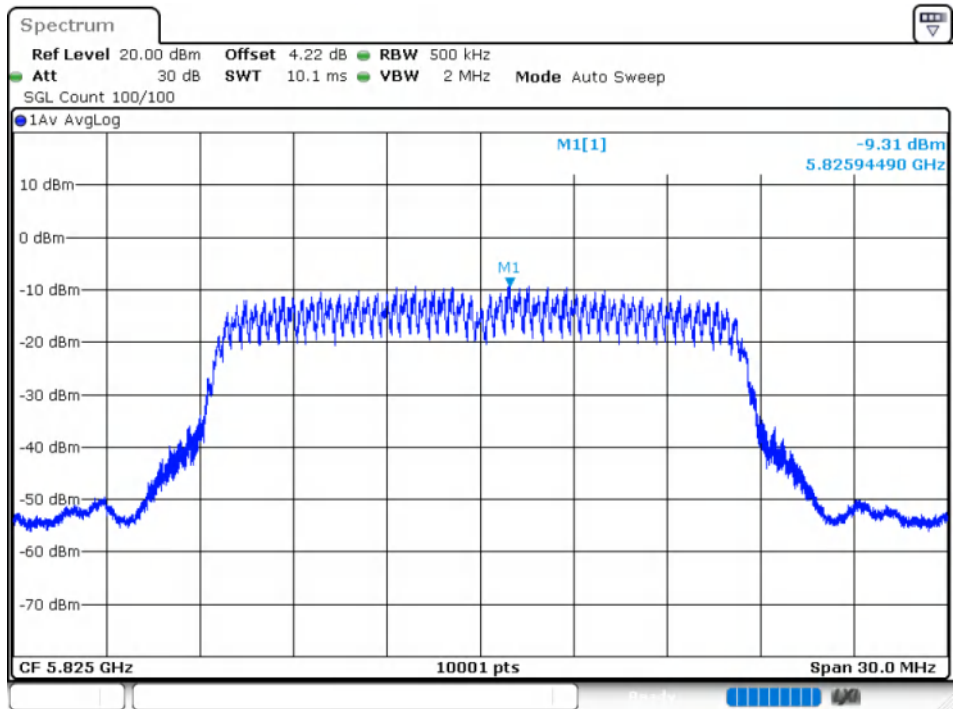
PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1



PSD NVNT a 5825MHz Ant1



PSD NVNT n20 5745MHz Ant1

