

# 5.2G WIFI

## Duty Cycle

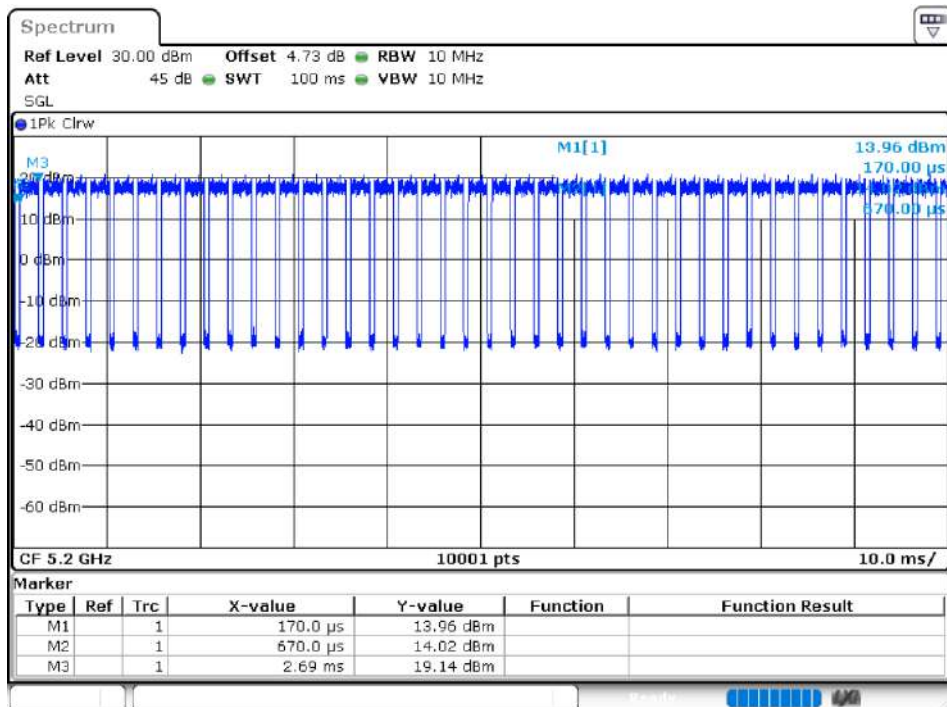
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5180            | Ant1    | 80.42          | 0.95                   | 0.49      |
| NVNT      | a    | 5200            | Ant1    | 80.33          | 0.95                   | 0.5       |
| NVNT      | a    | 5240            | Ant1    | 80.62          | 0.94                   | 0.49      |
| NVNT      | n20  | 5180            | Ant1    | 79.32          | 1.01                   | 0.53      |
| NVNT      | n20  | 5200            | Ant1    | 79.34          | 1                      | 0.53      |
| NVNT      | n20  | 5240            | Ant1    | 79.7           | 0.99                   | 0.53      |

Test Graphs

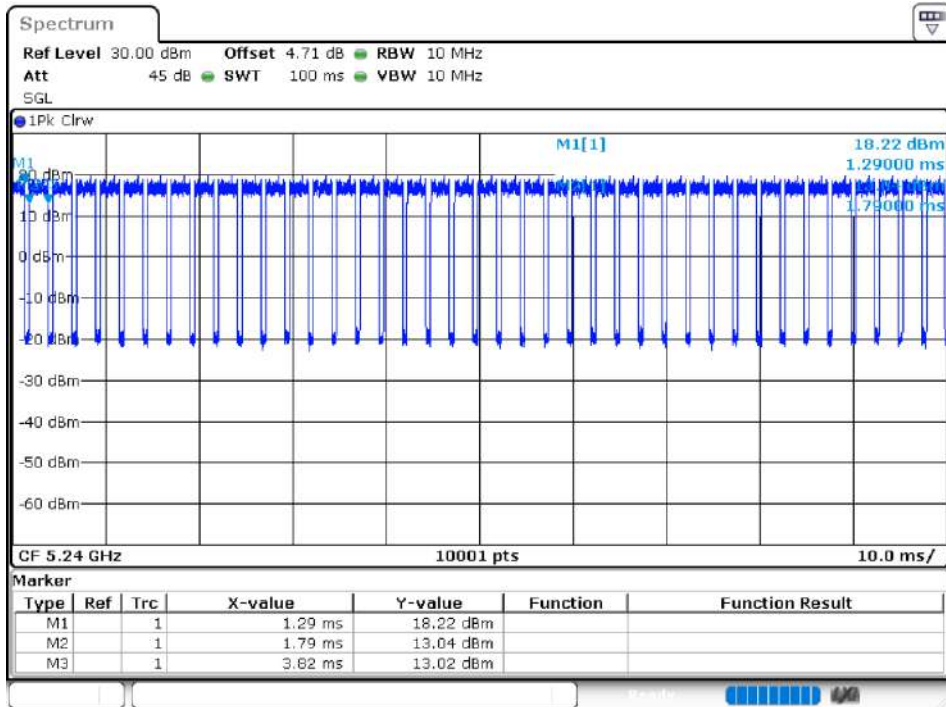
Duty Cycle NVNT a 5180MHz Ant1



Duty Cycle NVNT a 5200MHz Ant1



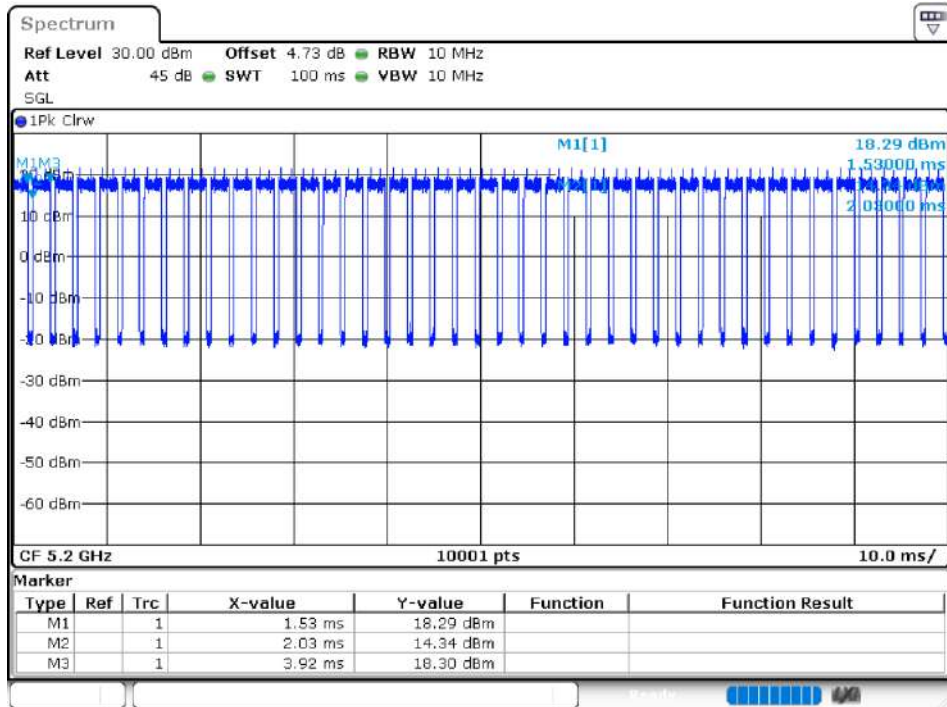
Duty Cycle NVNT a 5240MHz Ant1



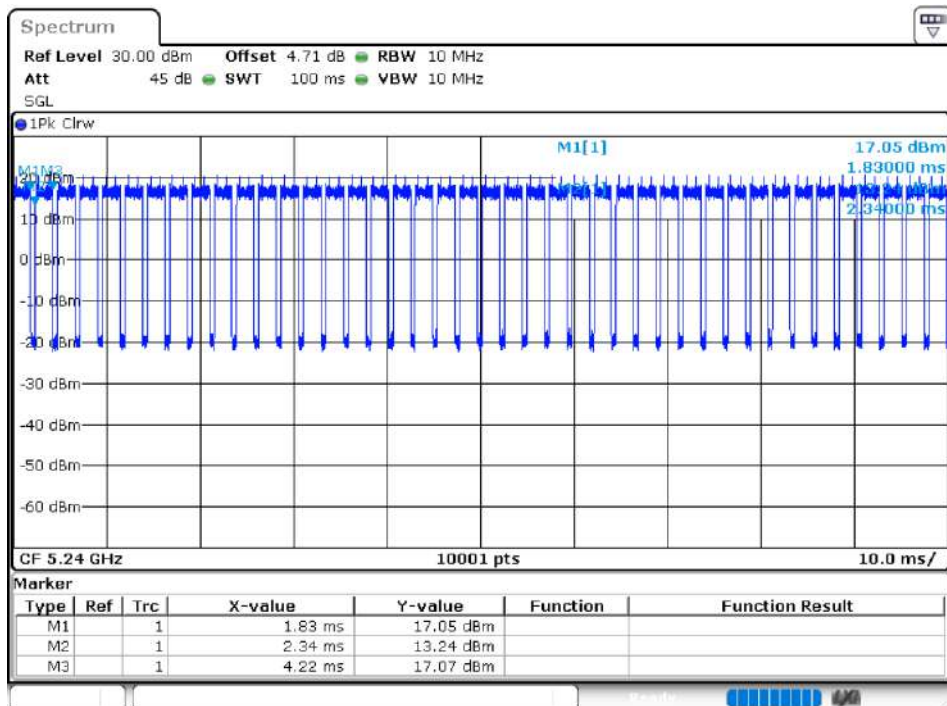
Duty Cycle NVNT n20 5180MHz Ant1



Duty Cycle NVNT n20 5200MHz Ant1



Duty Cycle NVNT n20 5240MHz Ant1



## Maximum Conducted Output Power

| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted AVG Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|------------------------------|----------------|---------|
| NVNT      | a    | 5180               | Ant1    | 12.16                        | 24             | Pass    |
| NVNT      | a    | 5200               | Ant1    | 11.77                        | 24             | Pass    |
| NVNT      | a    | 5240               | Ant1    | 11.17                        | 24             | Pass    |
| NVNT      | n20  | 5180               | Ant1    | 13.04                        | 24             | Pass    |
| NVNT      | n20  | 5200               | Ant1    | 11.99                        | 24             | Pass    |
| NVNT      | n20  | 5240               | Ant1    | 11.36                        | 24             | Pass    |

Note:

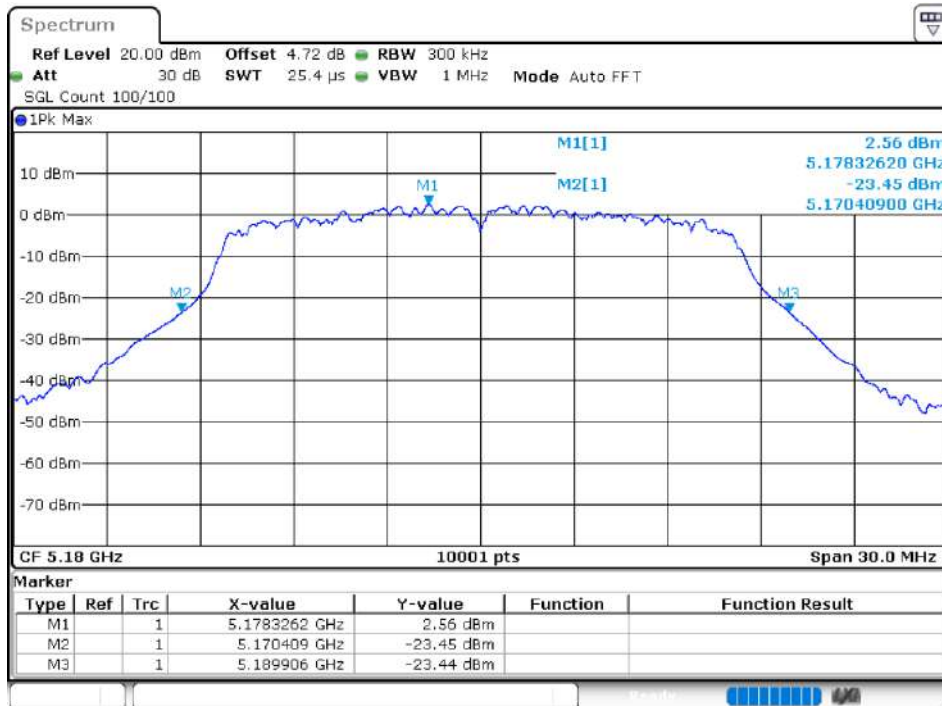
1. The conducted average power contains duty cycle factor.
2. Belong to Client device.

## -26dB Bandwidth

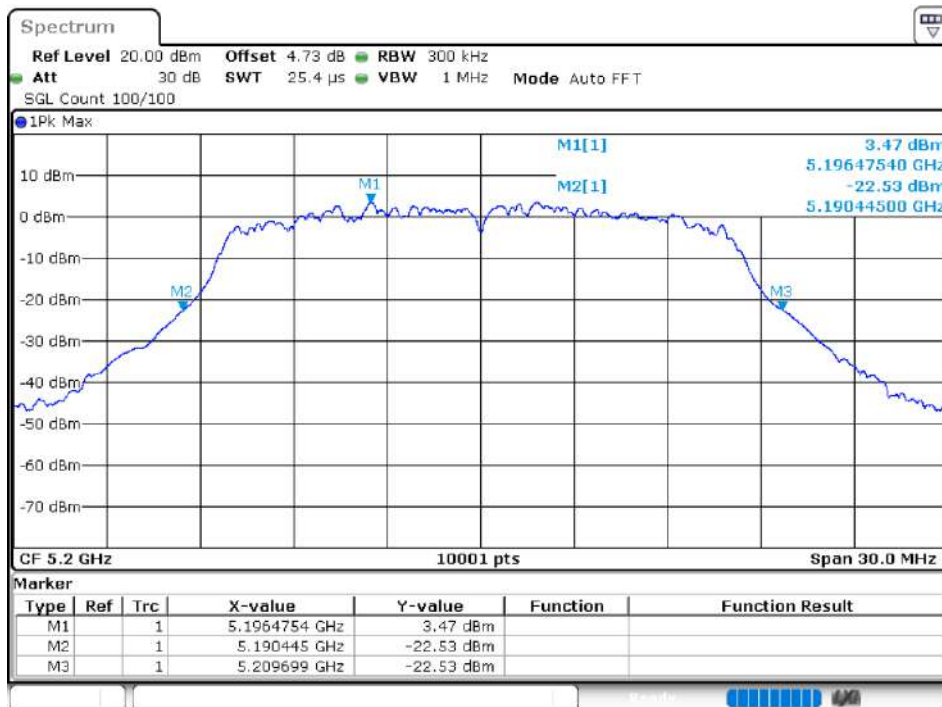
| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Verdict     |
|-----------|------|-----------------|---------|------------------------|-------------|
| NVNT      | a    | 5180            | Ant1    | 19.497                 | Report only |
| NVNT      | a    | 5200            | Ant1    | 19.254                 | Report only |
| NVNT      | a    | 5240            | Ant1    | 18.993                 | Report only |
| NVNT      | n20  | 5180            | Ant1    | 20.16                  | Report only |
| NVNT      | n20  | 5200            | Ant1    | 19.872                 | Report only |
| NVNT      | n20  | 5240            | Ant1    | 20.349                 | Report only |

# Test Graphs

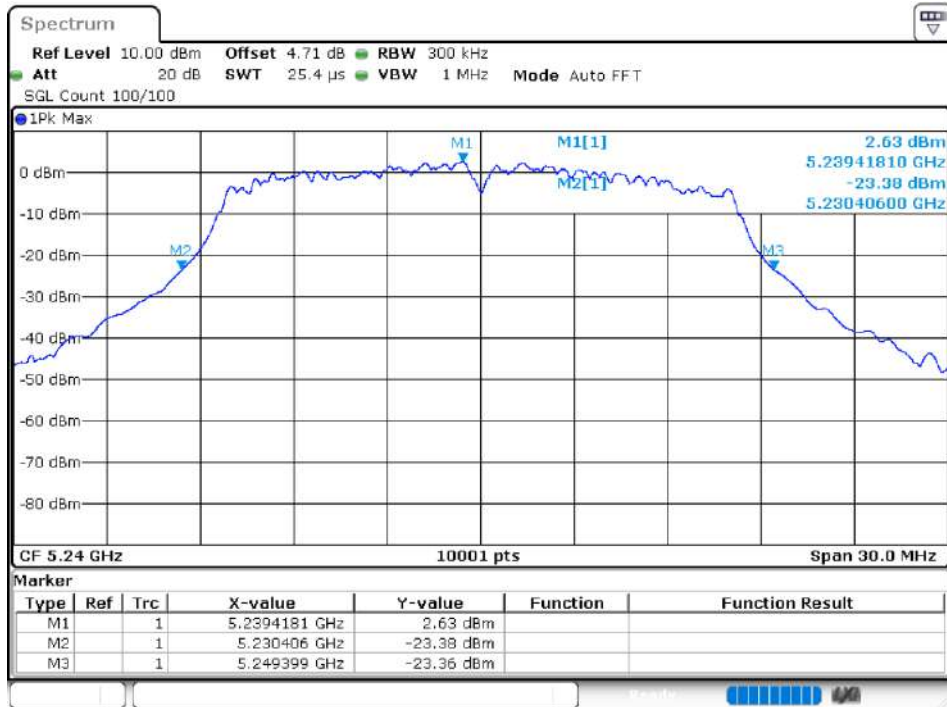
## -26dB Bandwidth NVNT a 5180MHz Ant1



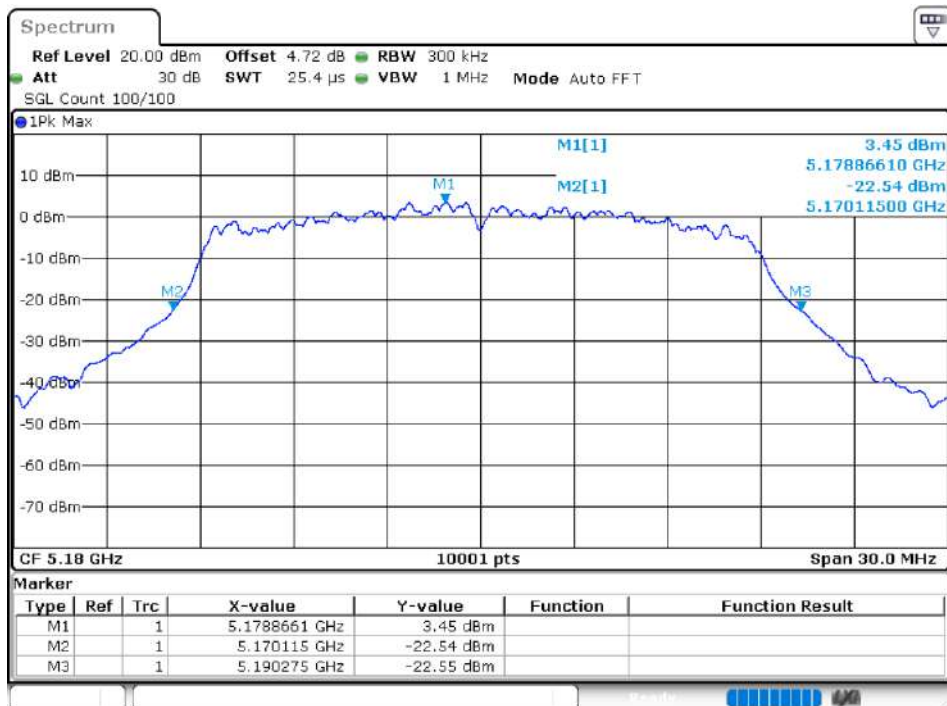
## -26dB Bandwidth NVNT a 5200MHz Ant1



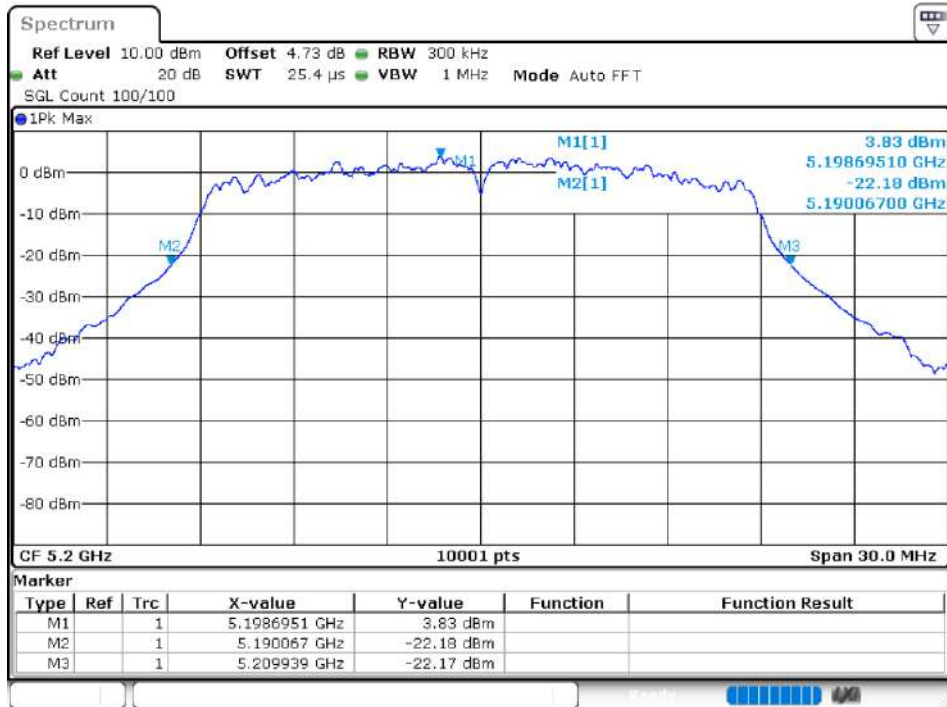
-26dB Bandwidth NVNT a 5240MHz Ant1



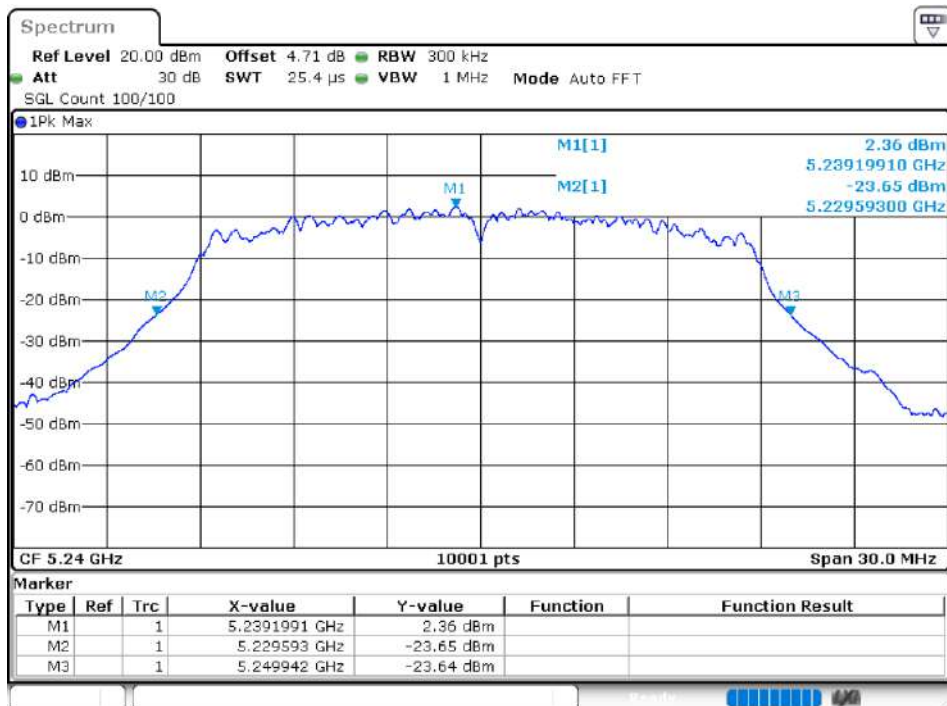
-26dB Bandwidth NVNT n20 5180MHz Ant1



-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant1

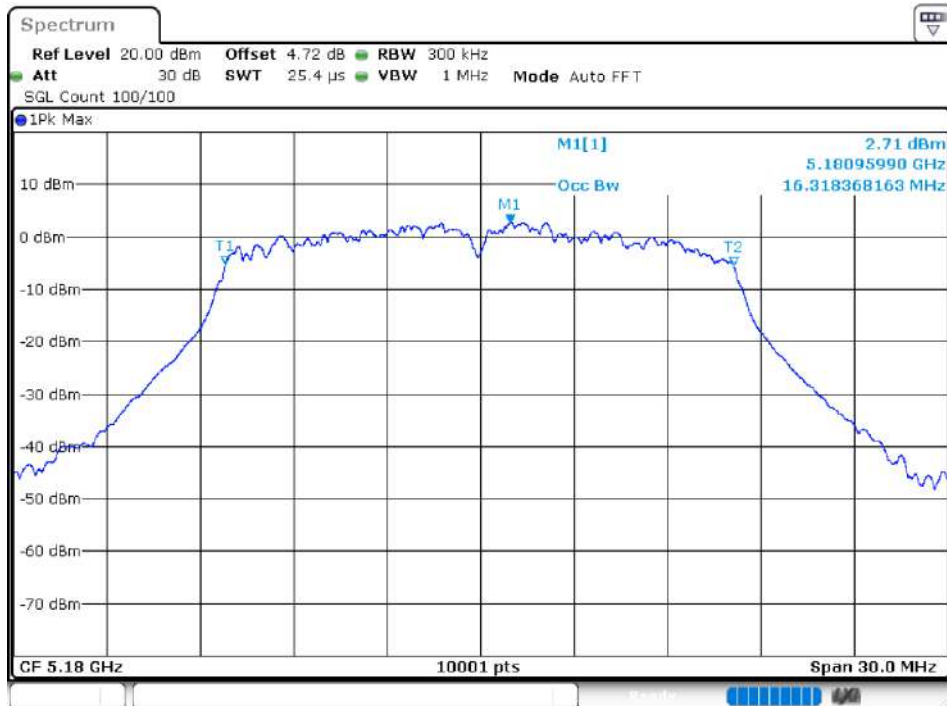


## Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5180            | Ant1    | 16.318        |
| NVNT      | a    | 5200            | Ant1    | 16.246        |
| NVNT      | a    | 5240            | Ant1    | 16.207        |
| NVNT      | n20  | 5180            | Ant1    | 17.326        |
| NVNT      | n20  | 5200            | Ant1    | 17.242        |
| NVNT      | n20  | 5240            | Ant1    | 17.41         |

Test Graphs

OBW NVNT a 5180MHz Ant1



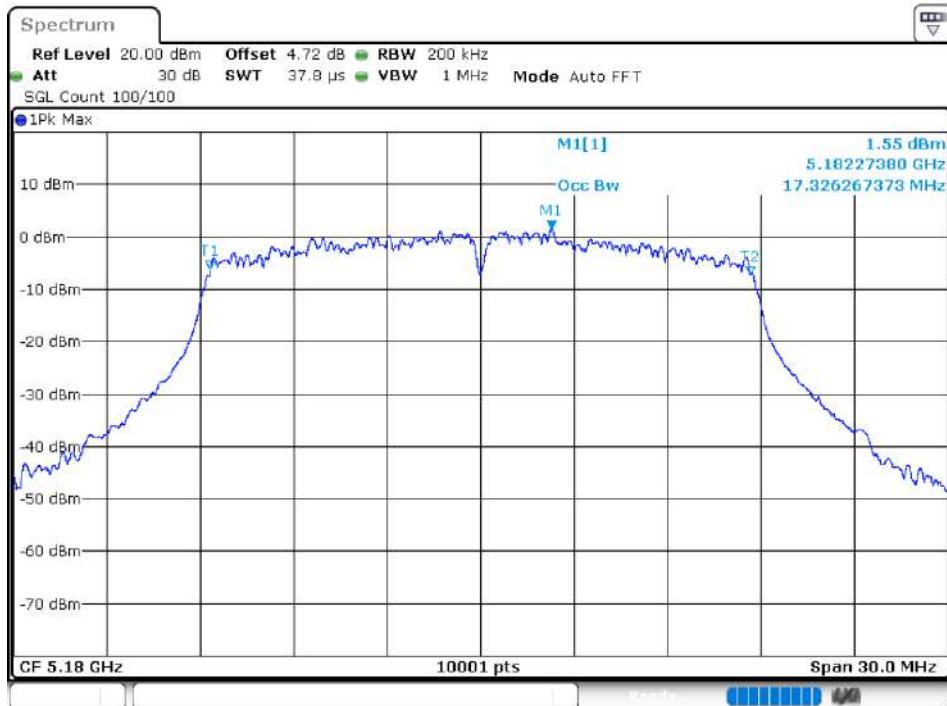
OBW NVNT a 5200MHz Ant1

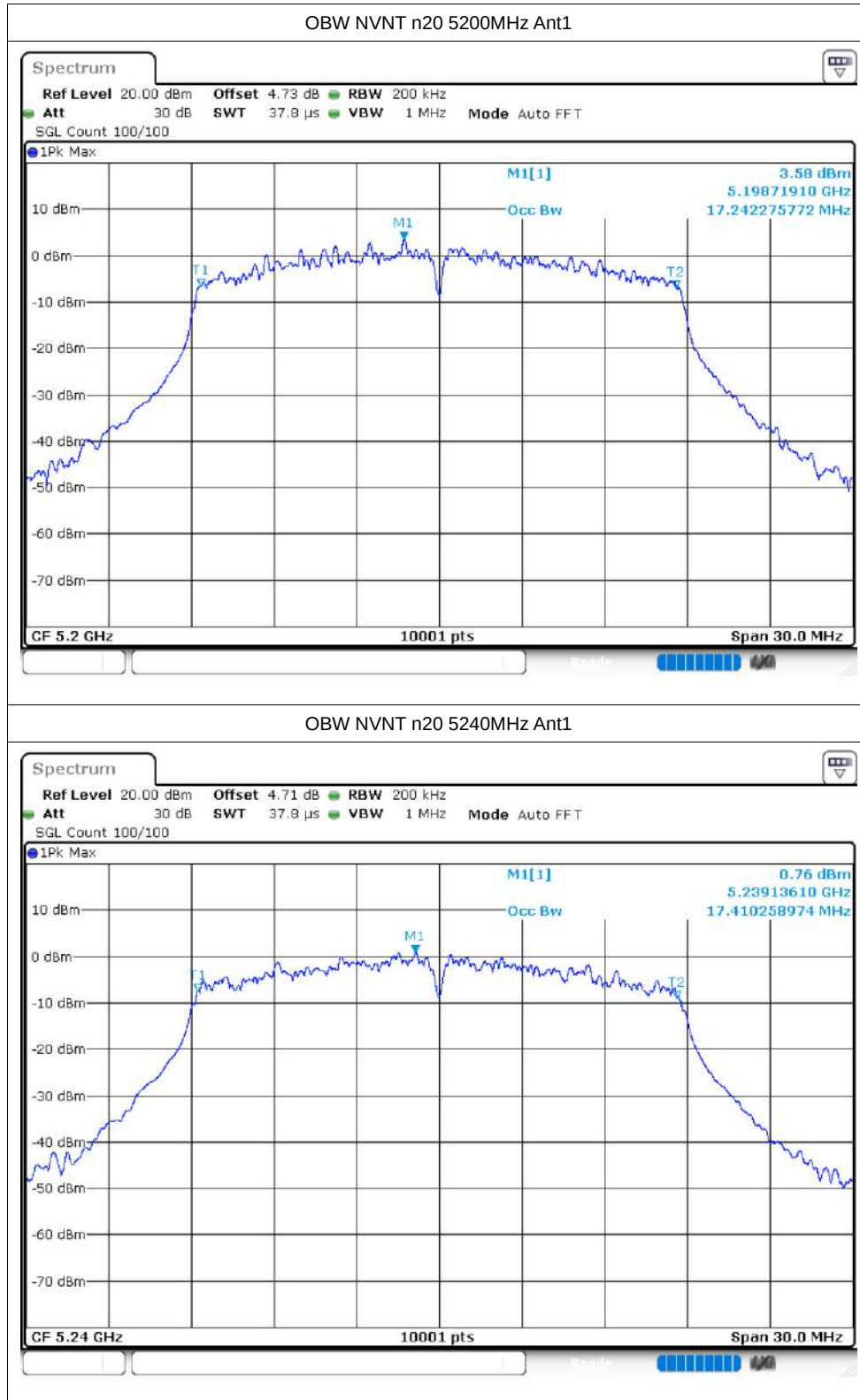


OBW NVNT a 5240MHz Ant1



OBW NVNT n20 5180MHz Ant1





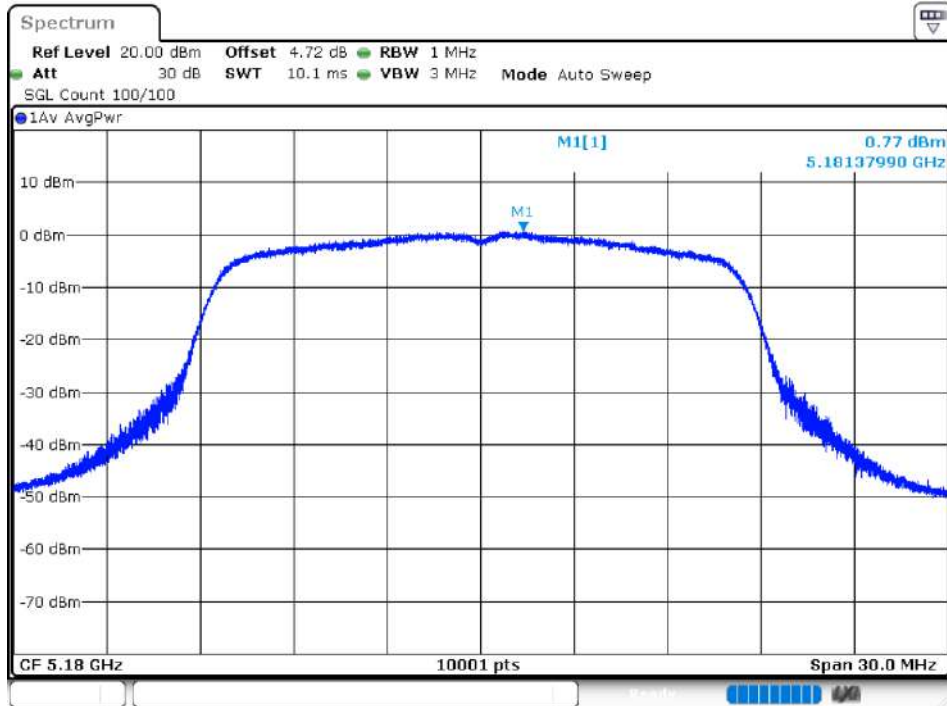
## Maximum Power Spectral Density Level

| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted PSD<br>(dBm/MHz) | Duty Factor<br>(dB) | Total PSD<br>(dBm/MHz) | Limit<br>(dBm/MHz) | Verdict |
|-----------|------|--------------------|---------|----------------------------|---------------------|------------------------|--------------------|---------|
| NVNT      | a    | 5180               | Ant1    | 0.77                       | 0.95                | 1.72                   | 11                 | Pass    |
| NVNT      | a    | 5200               | Ant1    | 1.21                       | 0.95                | 2.16                   | 11                 | Pass    |
| NVNT      | a    | 5240               | Ant1    | -0.27                      | 0.94                | 0.67                   | 11                 | Pass    |
| NVNT      | n20  | 5180               | Ant1    | 0.51                       | 1.01                | 1.52                   | 11                 | Pass    |
| NVNT      | n20  | 5200               | Ant1    | 1.07                       | 1                   | 2.07                   | 11                 | Pass    |
| NVNT      | n20  | 5240               | Ant1    | -0.5                       | 0.99                | 0.49                   | 11                 | Pass    |

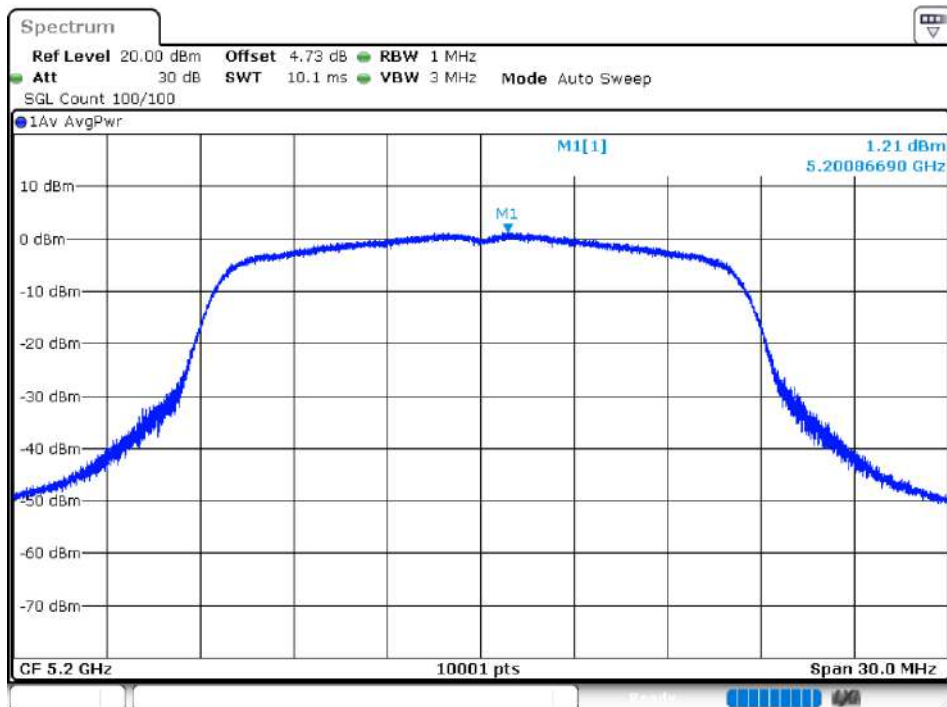
Note: Client devices

Test Graphs

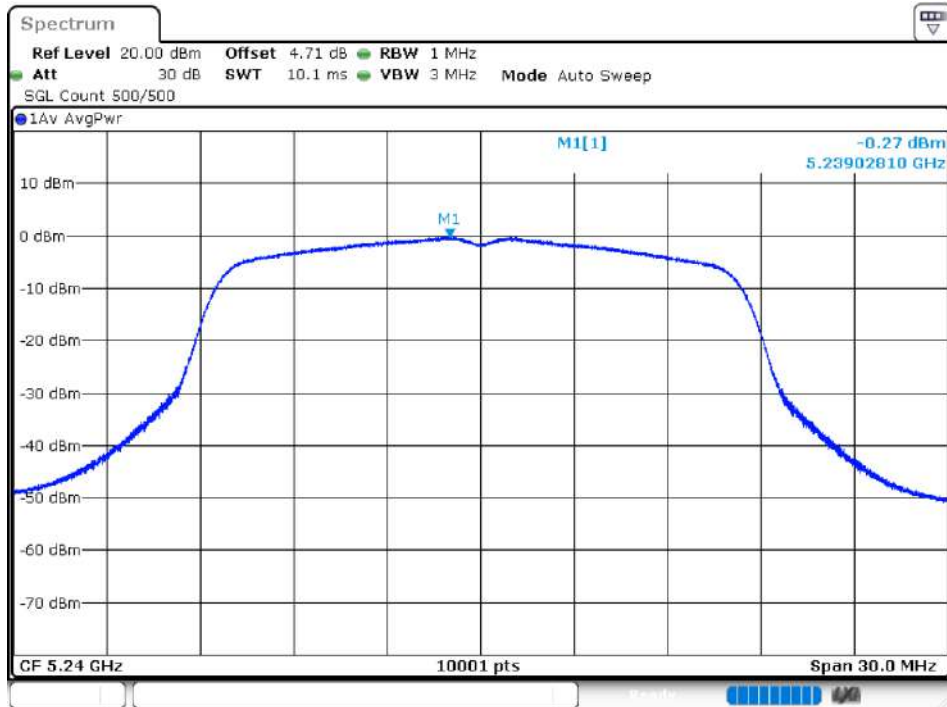
PSD NVNT a 5180MHz Ant1



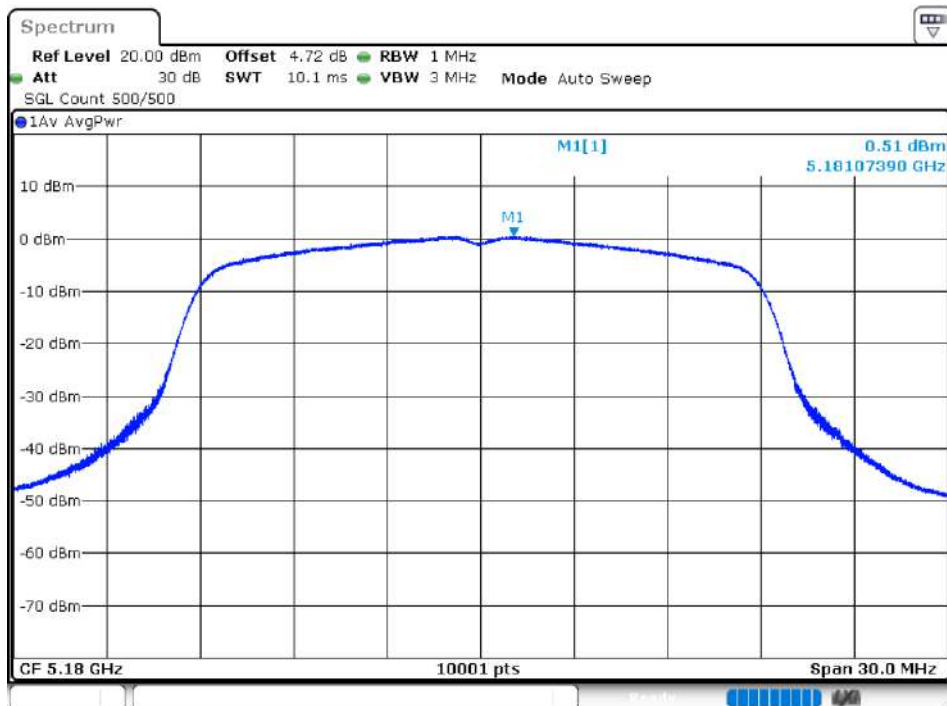
PSD NVNT a 5200MHz Ant1

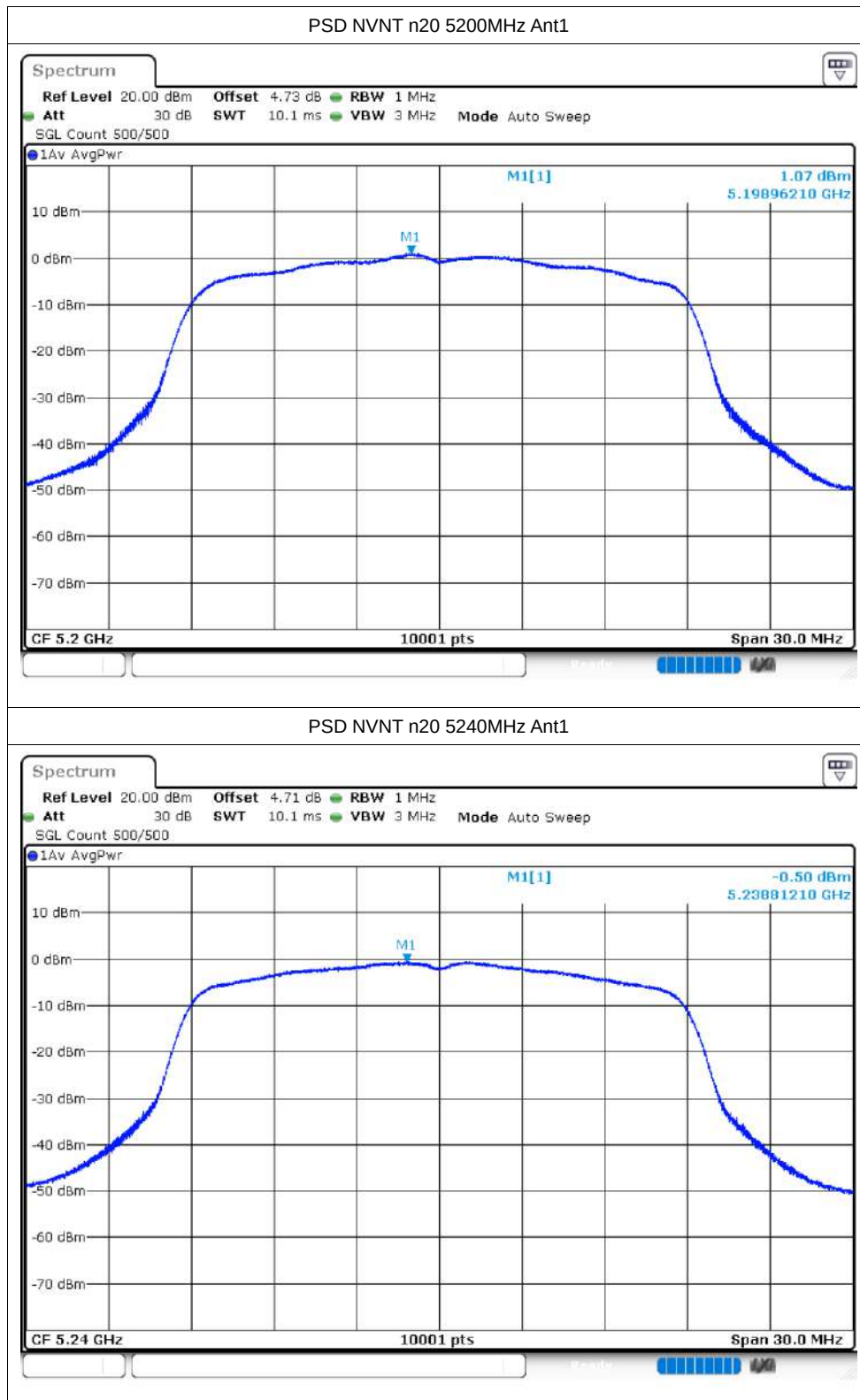


PSD NVNT a 5240MHz Ant1



PSD NVNT n20 5180MHz Ant1



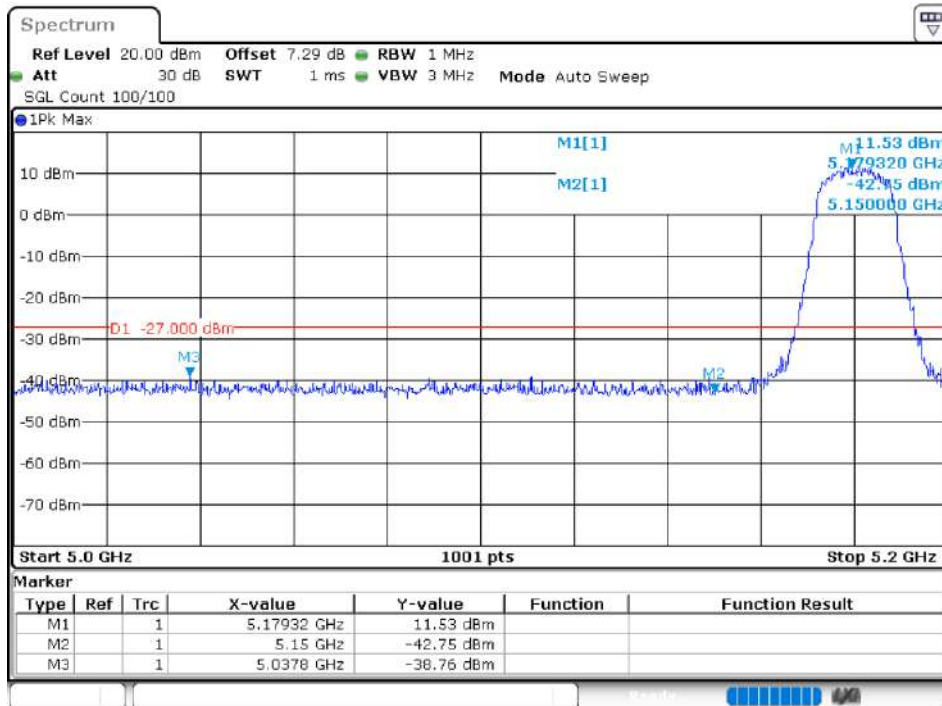


# Band Edge

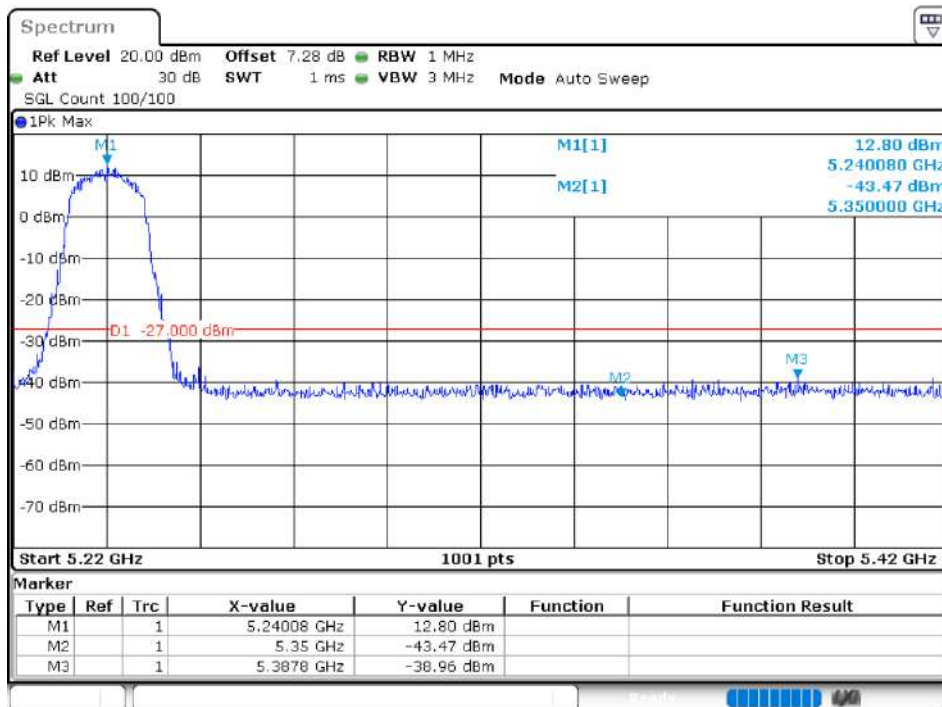
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a    | 5180            | Ant1    | -38.75          | -27         | Pass    |
| NVNT      | a    | 5240            | Ant1    | -38.95          | -27         | Pass    |
| NVNT      | n20  | 5180            | Ant1    | -38.94          | -27         | Pass    |
| NVNT      | n20  | 5240            | Ant1    | -38.98          | -27         | Pass    |

# Test Graphs

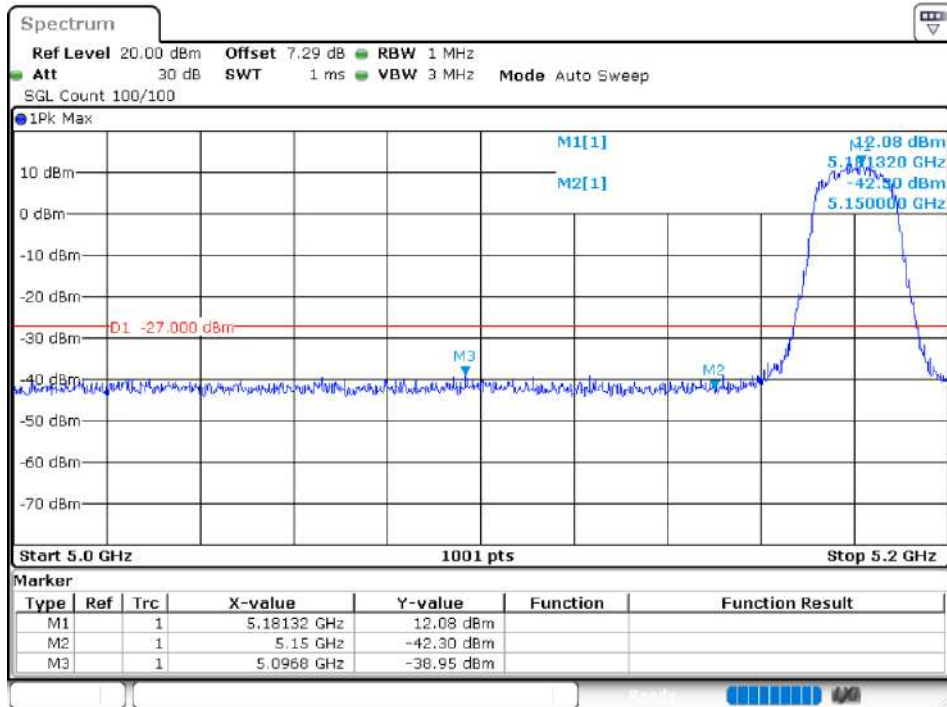
## Band Edge NVNT a 5180MHz Low Ant1



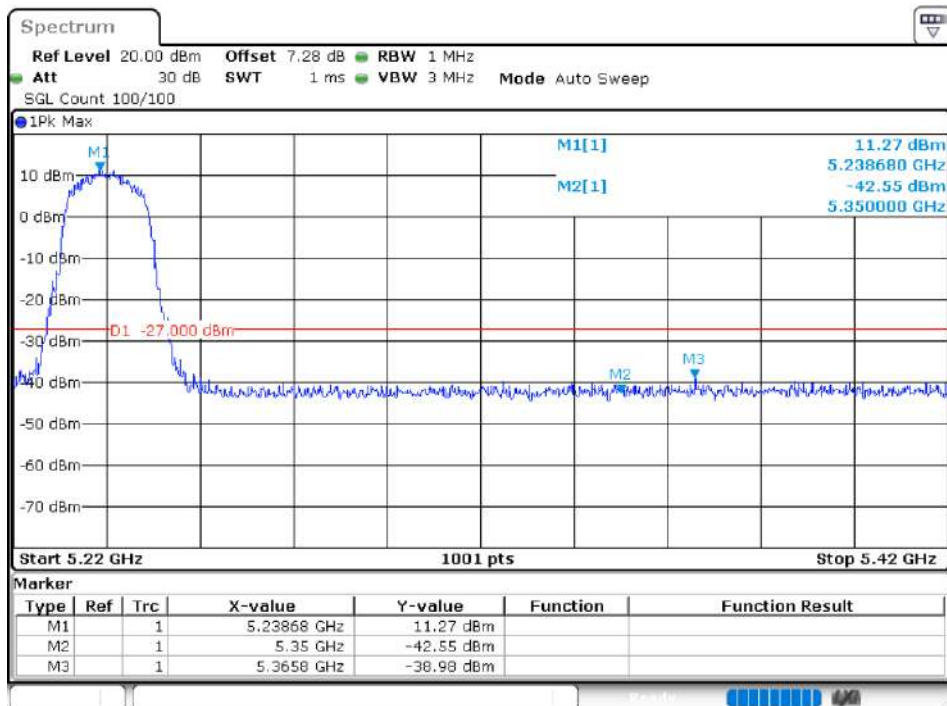
## Band Edge NVNT a 5240MHz High Ant1



Band Edge NVNT n20 5180MHz Low Ant1



Band Edge NVNT n20 5240MHz High Ant1

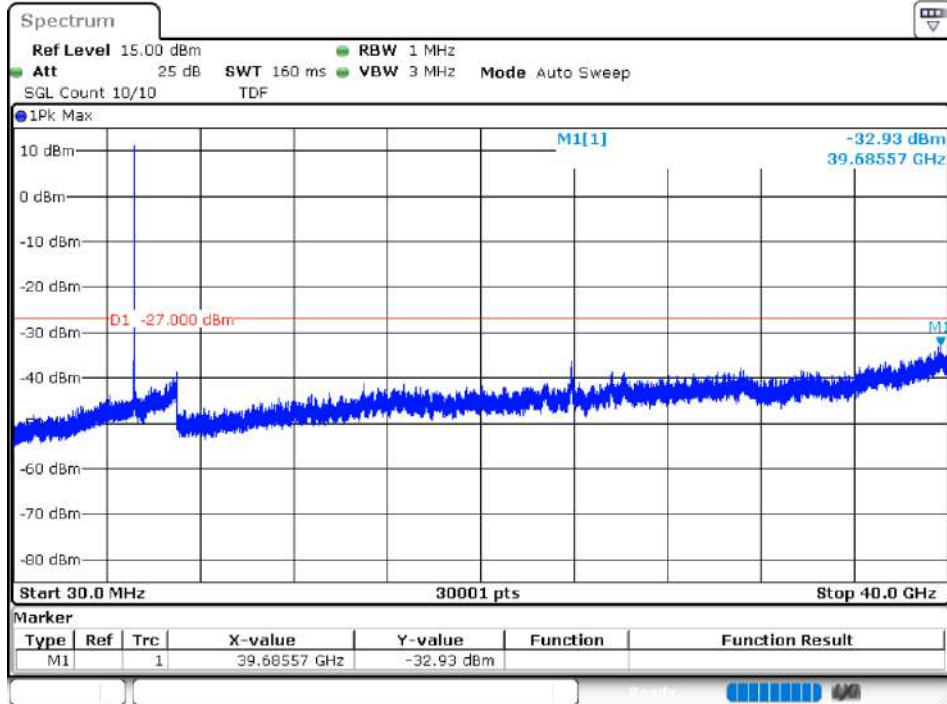


## Conducted RF Spurious Emission

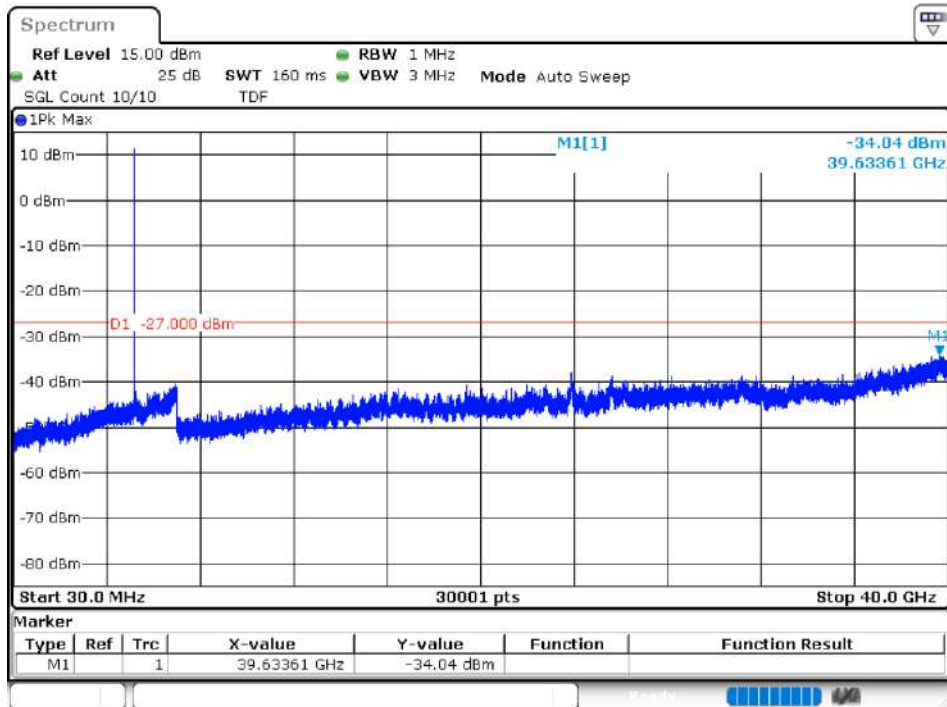
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a    | 5180            | Ant1    | -32.93          | -27         | Pass    |
| NVNT      | a    | 5200            | Ant1    | -34.04          | -27         | Pass    |
| NVNT      | a    | 5240            | Ant1    | -33.15          | -27         | Pass    |
| NVNT      | n20  | 5180            | Ant1    | -33.91          | -27         | Pass    |
| NVNT      | n20  | 5200            | Ant1    | -33.4           | -27         | Pass    |
| NVNT      | n20  | 5240            | Ant1    | -32.94          | -27         | Pass    |

Test Graphs

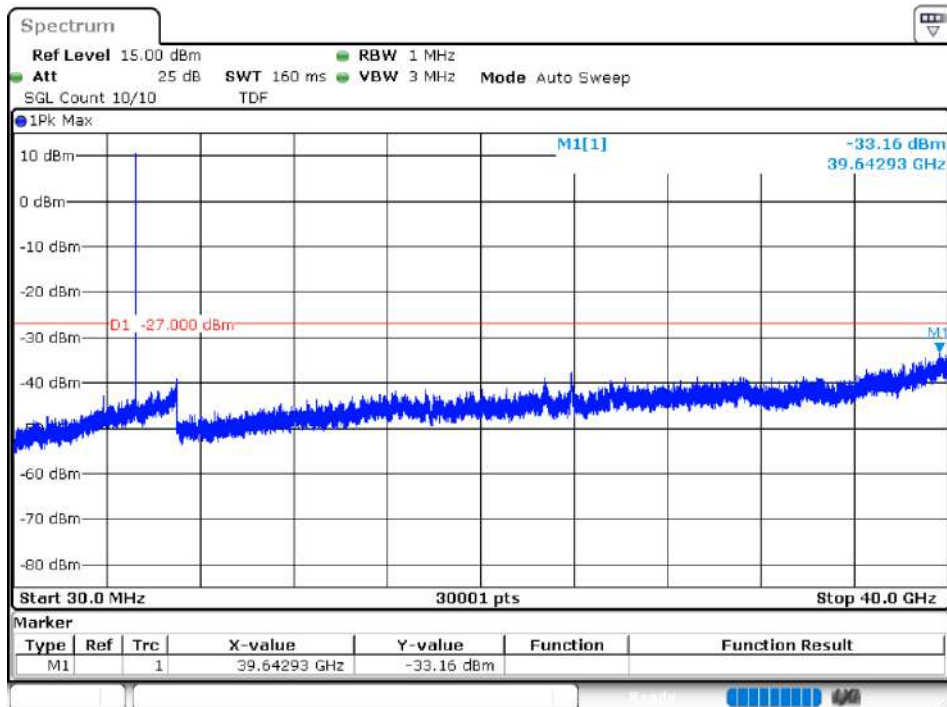
Tx. Spurious NVNT a 5180MHz Ant1 Emission



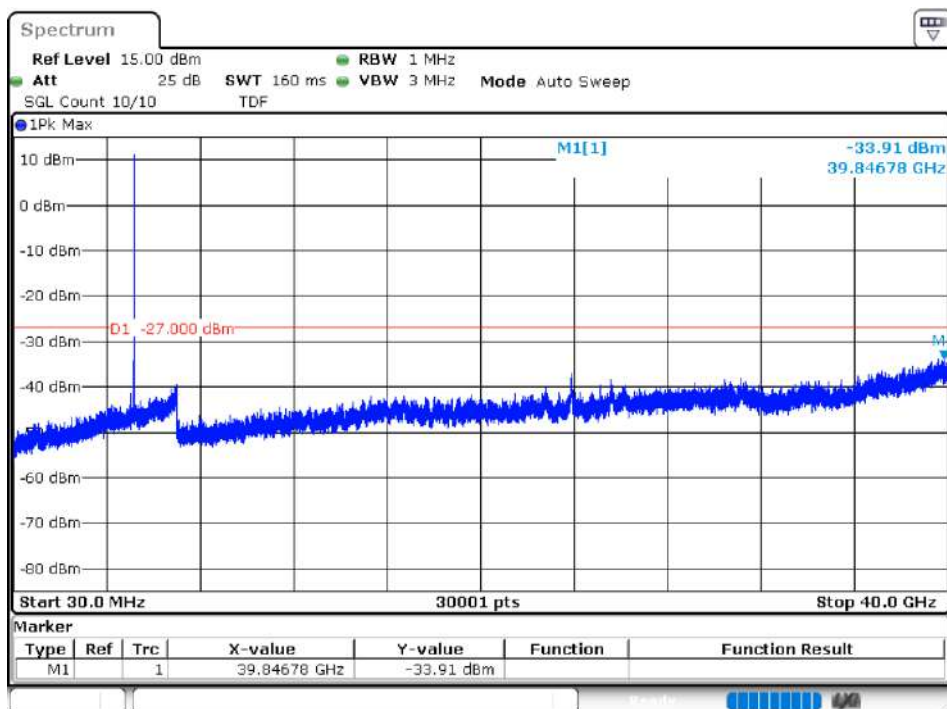
Tx. Spurious NVNT a 5200MHz Ant1 Emission



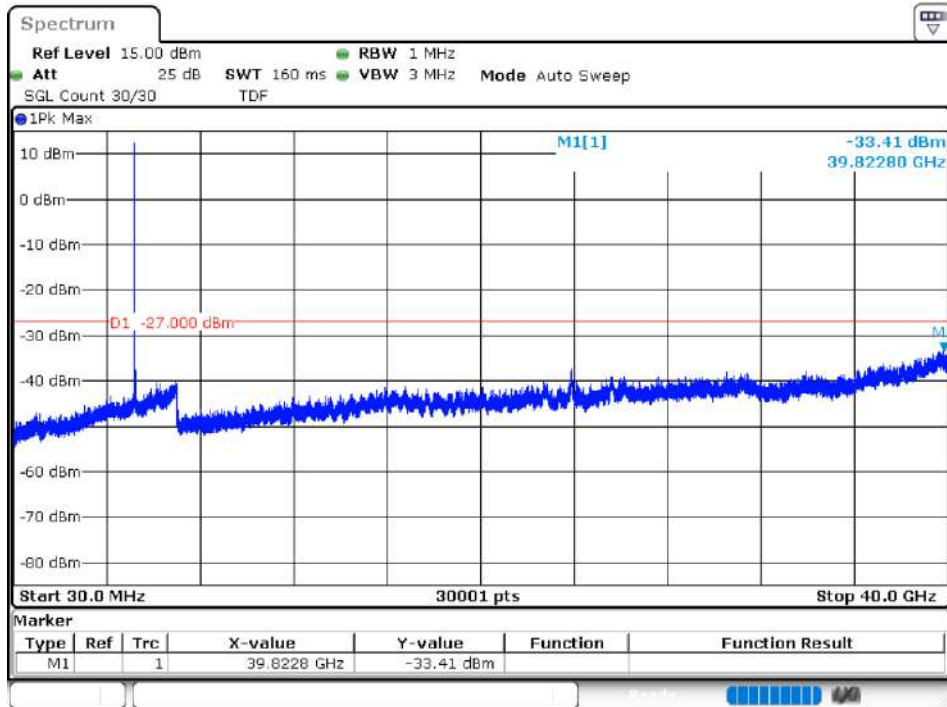
Tx. Spurious NVNT a 5240MHz Ant1 Emission



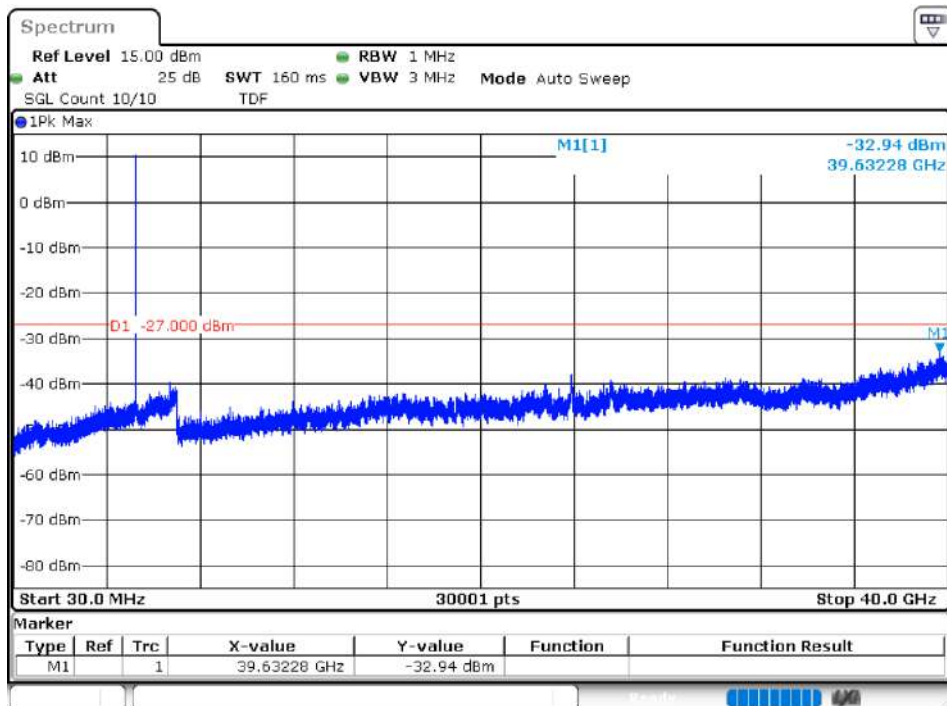
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



Tx. Spurious NVNT n20 5200MHz Ant1 Emission



Tx. Spurious NVNT n20 5240MHz Ant1 Emission



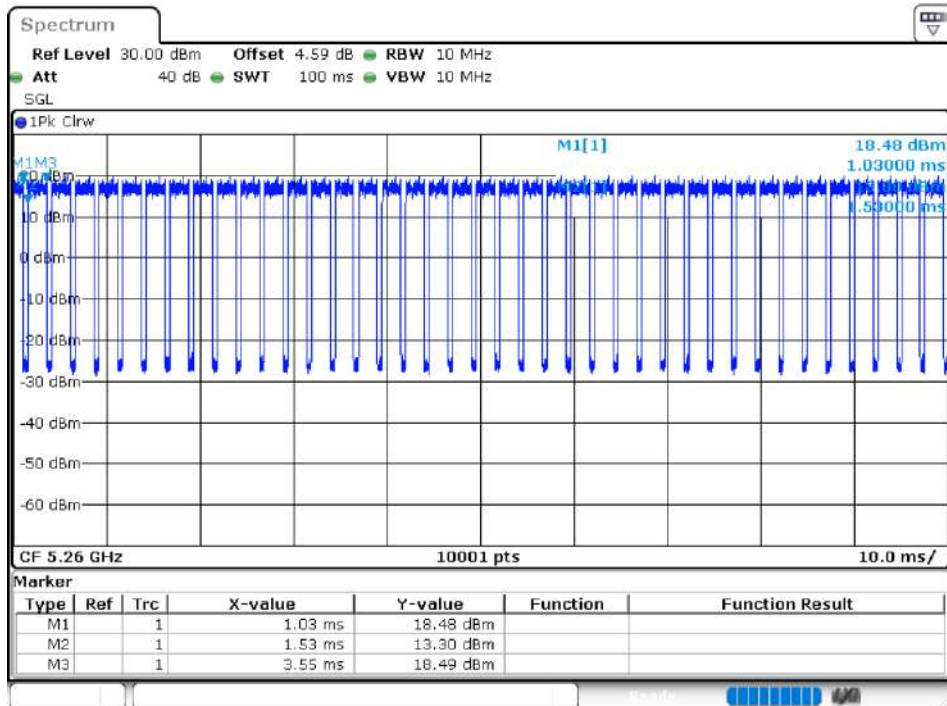
# 5.3G WIFI

## Duty Cycle

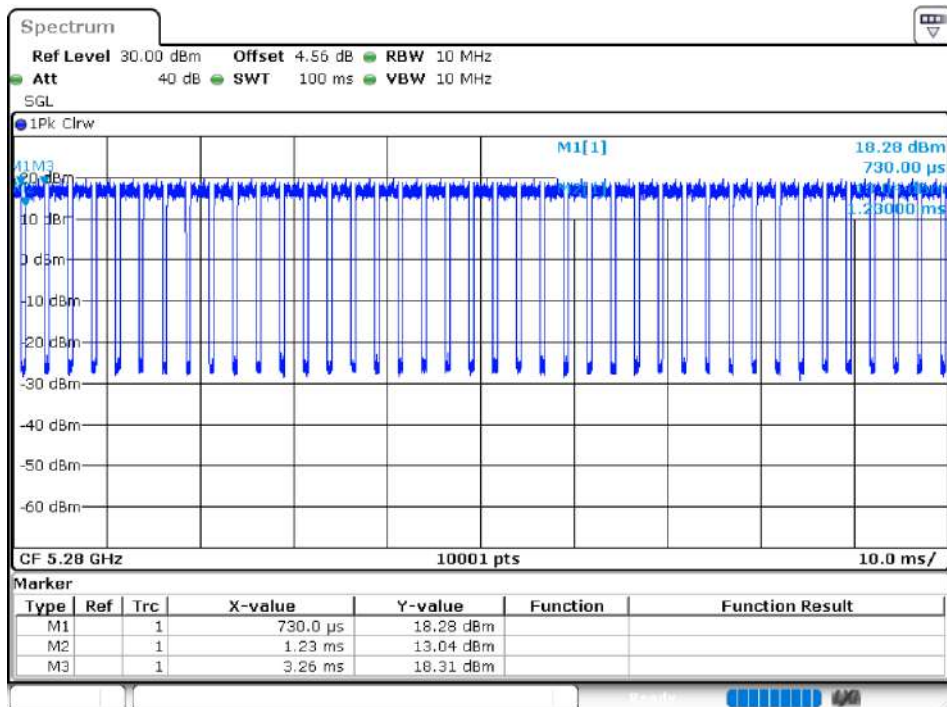
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5260            | Ant1    | 80.34          | 0.95                   | 0.5       |
| NVNT      | a    | 5280            | Ant1    | 80.31          | 0.95                   | 0.49      |
| NVNT      | a    | 5320            | Ant1    | 80.8           | 0.93                   | 0.5       |
| NVNT      | n20  | 5260            | Ant1    | 79.32          | 1.01                   | 0.53      |
| NVNT      | n20  | 5280            | Ant1    | 79.32          | 1.01                   | 0.53      |
| NVNT      | n20  | 5320            | Ant1    | 79.35          | 1                      | 0.53      |

# Test Graphs

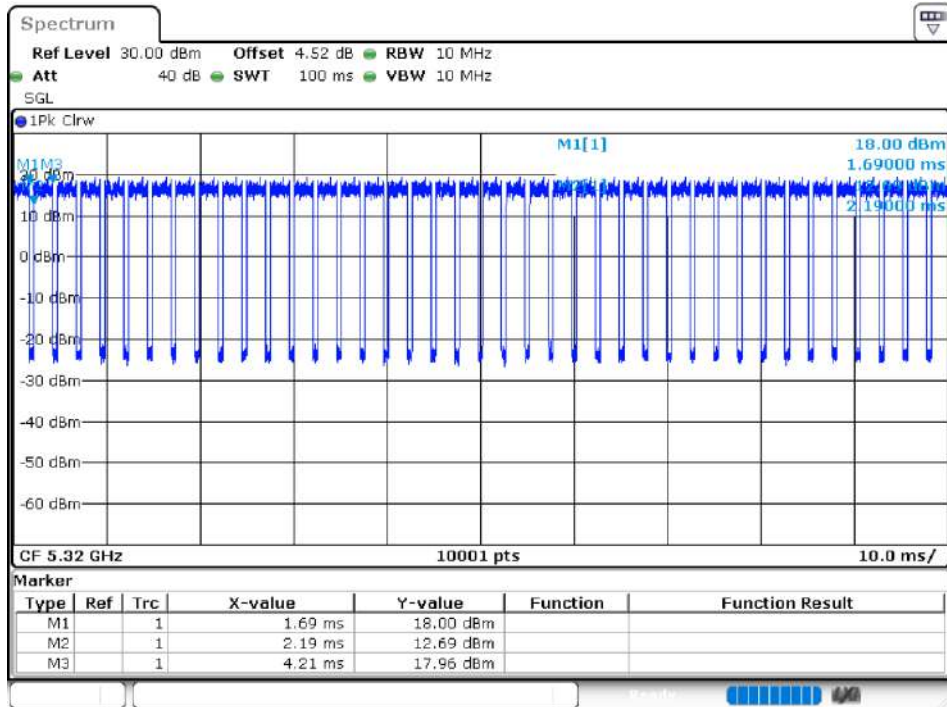
## Duty Cycle NVNT a 5260MHz Ant1



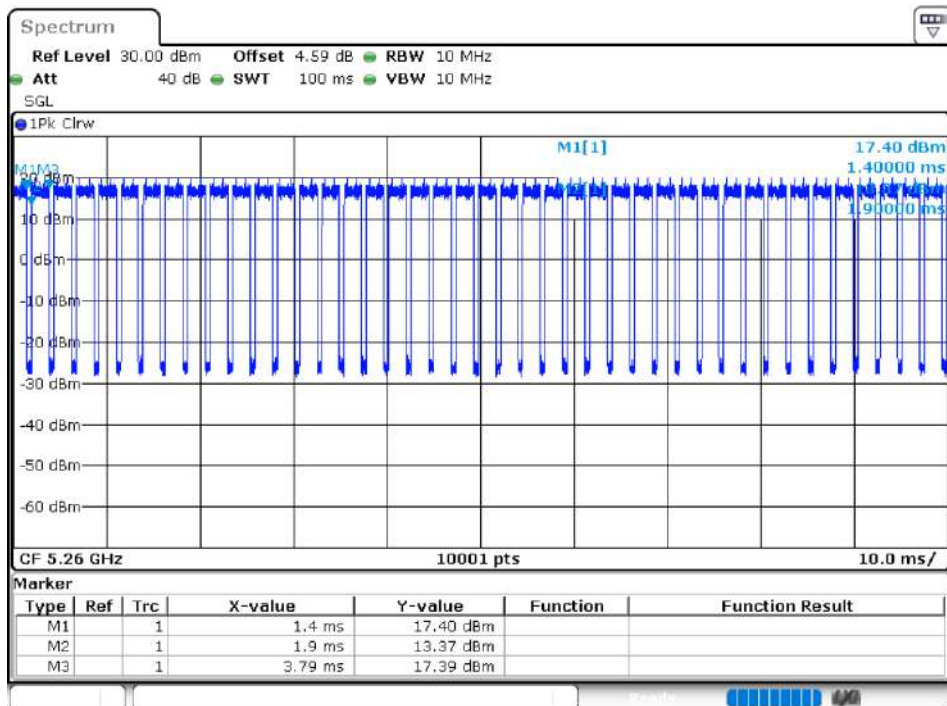
## Duty Cycle NVNT a 5280MHz Ant1



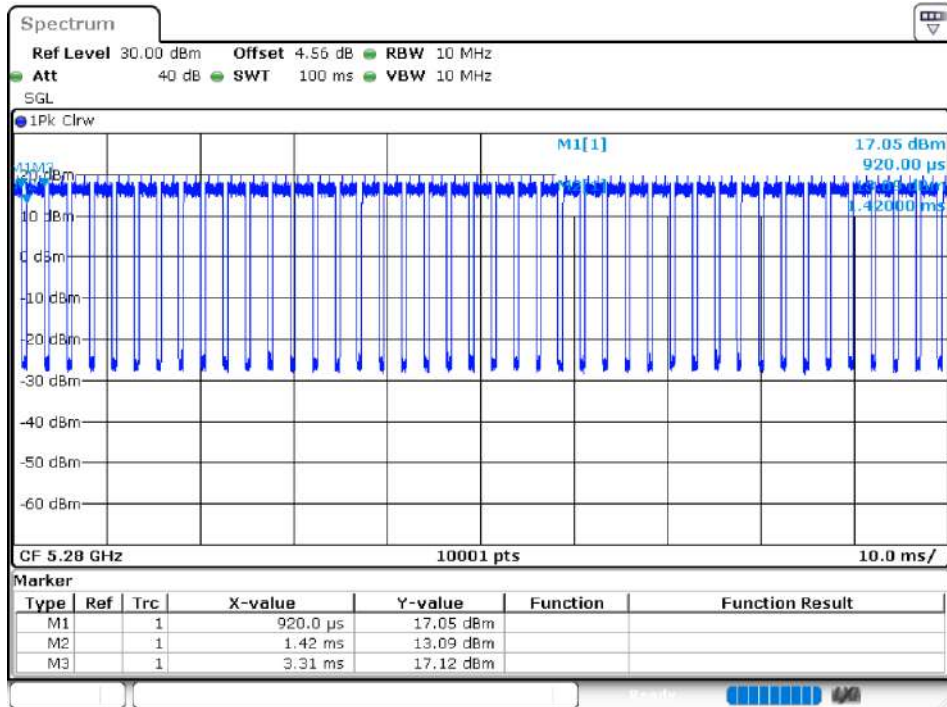
Duty Cycle NVNT a 5320MHz Ant1



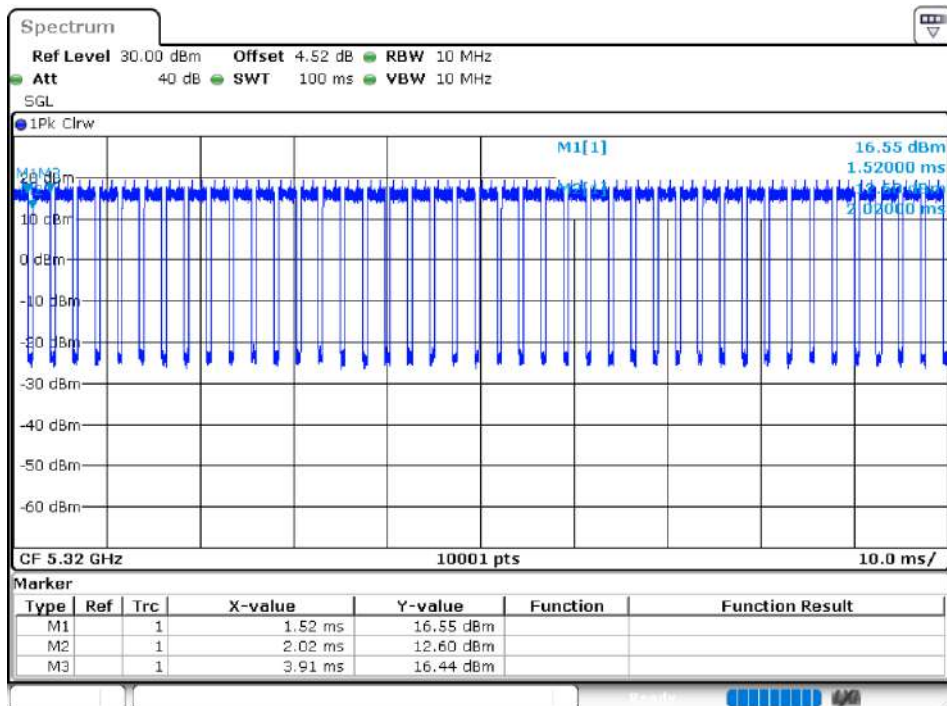
Duty Cycle NVNT n20 5260MHz Ant1



Duty Cycle NVNT n20 5280MHz Ant1



Duty Cycle NVNT n20 5320MHz Ant1



## Maximum Conducted Output Power

| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------------|----------------|---------|
| NVNT      | a    | 5260               | Ant1    | 12.25                    | 24             | Pass    |
| NVNT      | a    | 5280               | Ant1    | 12.17                    | 24             | Pass    |
| NVNT      | a    | 5320               | Ant1    | 12.39                    | 24             | Pass    |
| NVNT      | n20  | 5260               | Ant1    | 12.05                    | 24             | Pass    |
| NVNT      | n20  | 5280               | Ant1    | 12.3                     | 24             | Pass    |
| NVNT      | n20  | 5320               | Ant1    | 12.31                    | 24             | Pass    |

Note:

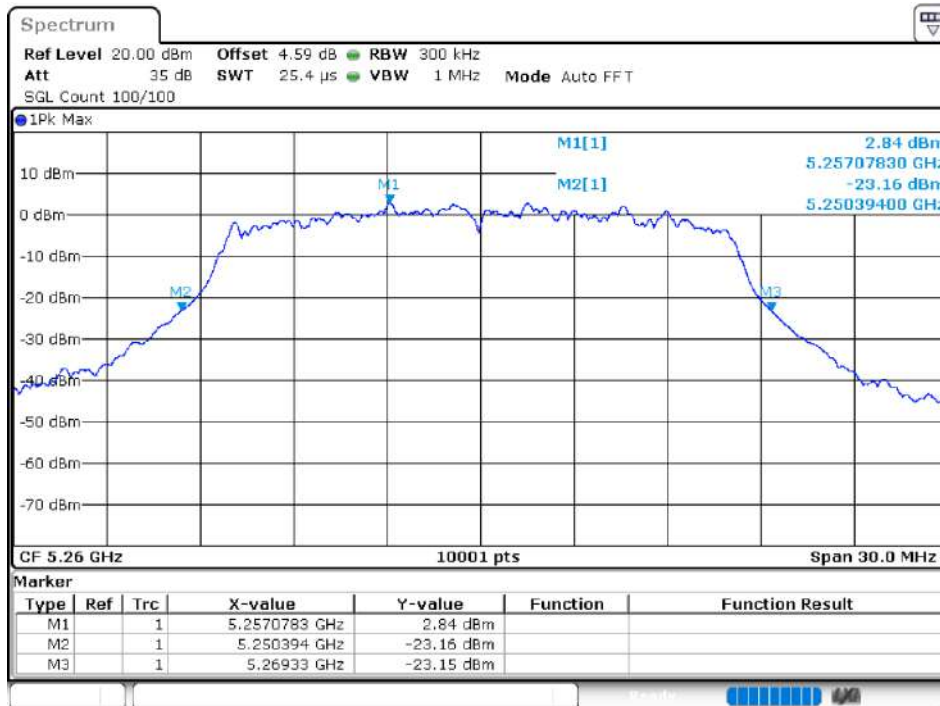
1. The conducted average power contains duty cycle factor.
2. The limit base lesser of 250 mW or  $11 + 10 \log B$ , dBm  
where B is the 26 dB emission bandwidth in megahertz

## -26dB Bandwidth

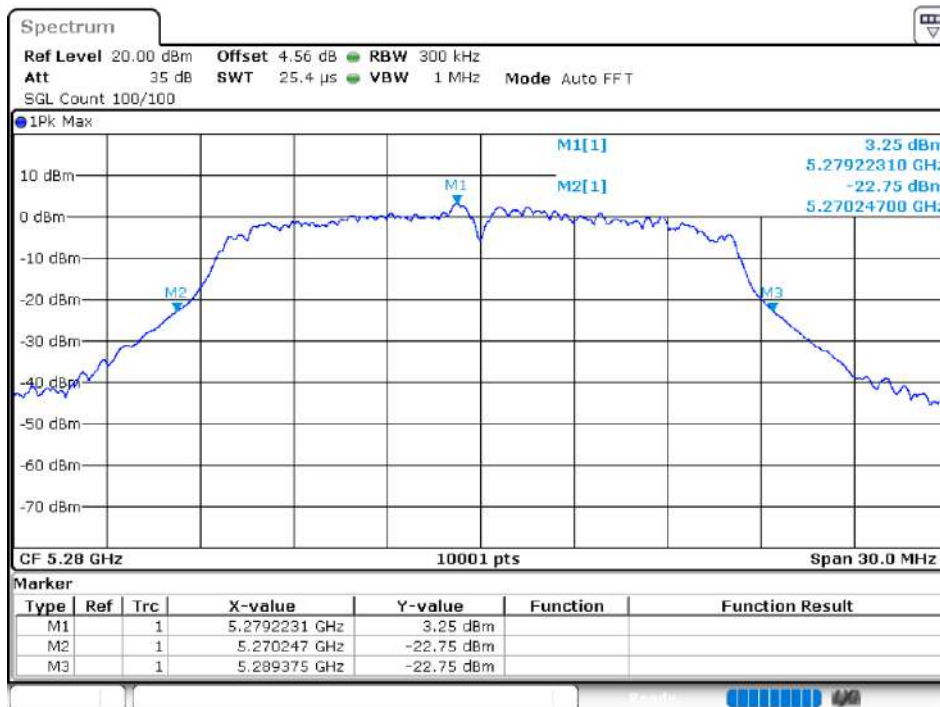
| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Verdict     |
|-----------|------|-----------------|---------|------------------------|-------------|
| NVNT      | a    | 5260            | Ant1    | 18.936                 | Report only |
| NVNT      | a    | 5280            | Ant1    | 19.128                 | Report only |
| NVNT      | a    | 5320            | Ant1    | 19.704                 | Report only |
| NVNT      | n20  | 5260            | Ant1    | 19.602                 | Report only |
| NVNT      | n20  | 5280            | Ant1    | 20.01                  | Report only |
| NVNT      | n20  | 5320            | Ant1    | 19.899                 | Report only |

### Test Graphs

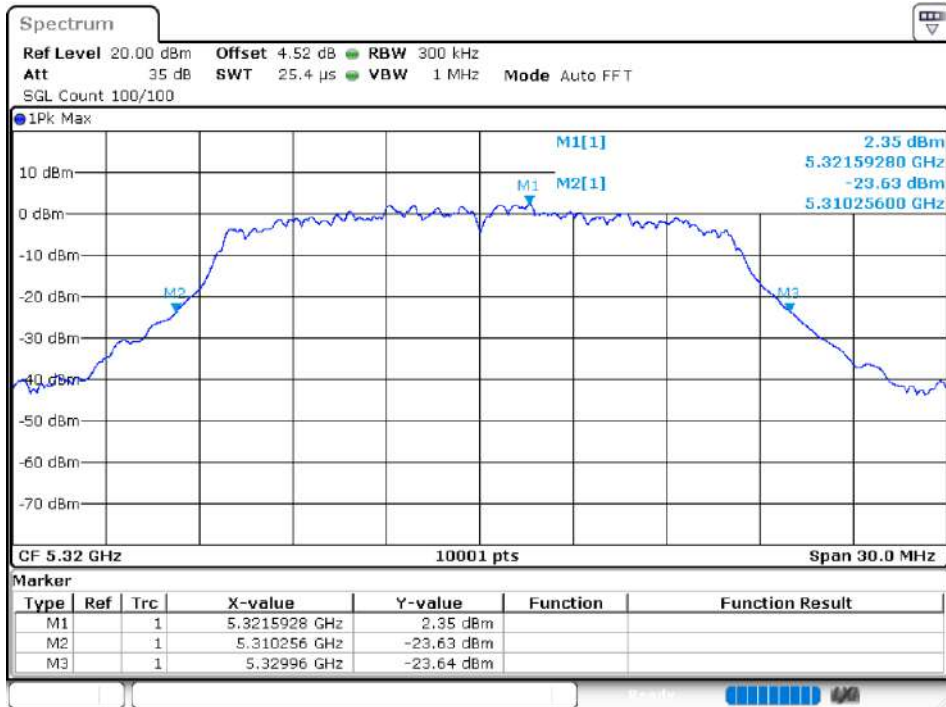
#### -26dB Bandwidth NVNT a 5260MHz Ant1



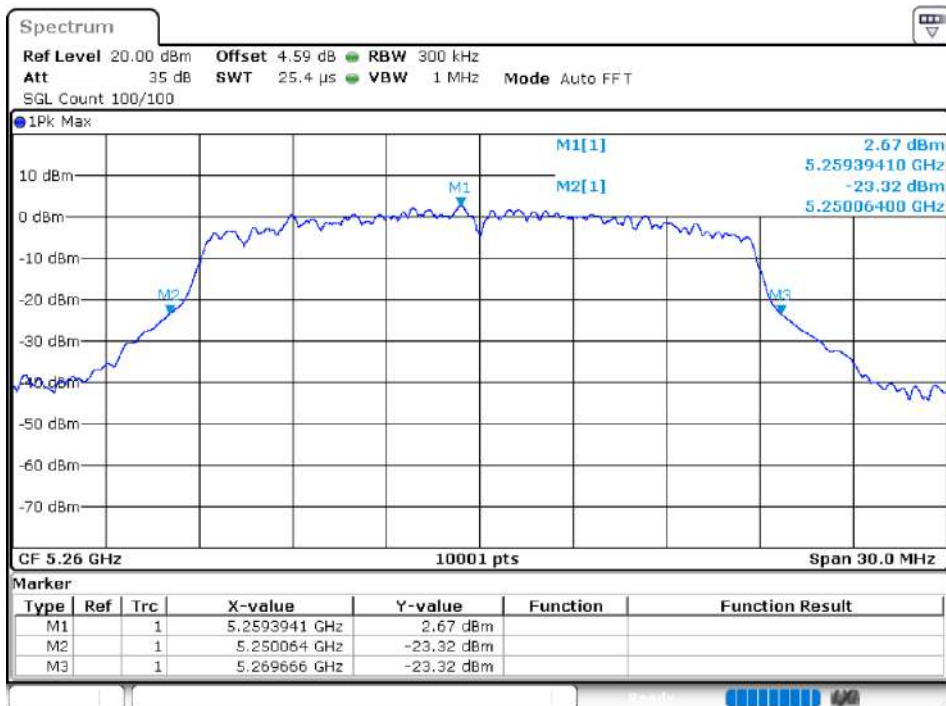
#### -26dB Bandwidth NVNT a 5280MHz Ant1



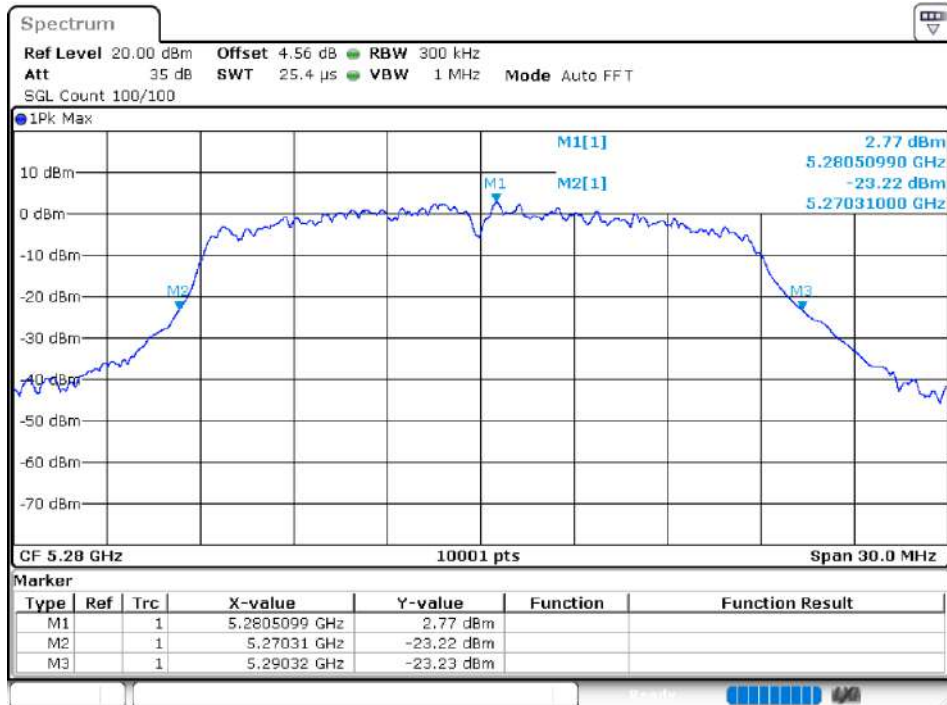
-26dB Bandwidth NVNT a 5320MHz Ant1



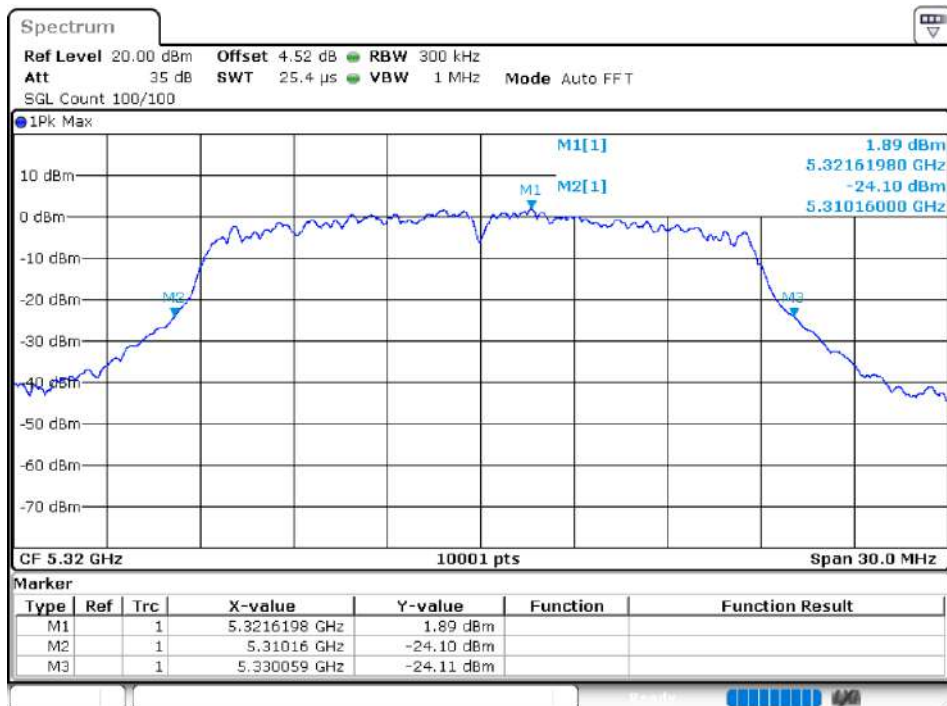
-26dB Bandwidth NVNT n20 5260MHz Ant1



-26dB Bandwidth NVNT n20 5280MHz Ant1



-26dB Bandwidth NVNT n20 5320MHz Ant1

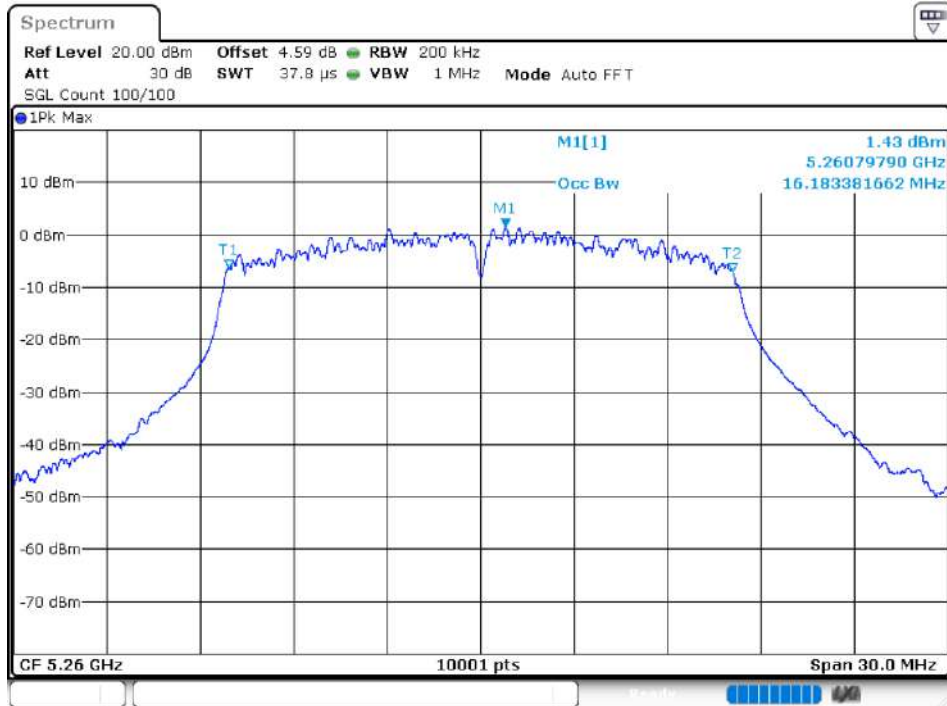


## Occupied Channel Bandwidth

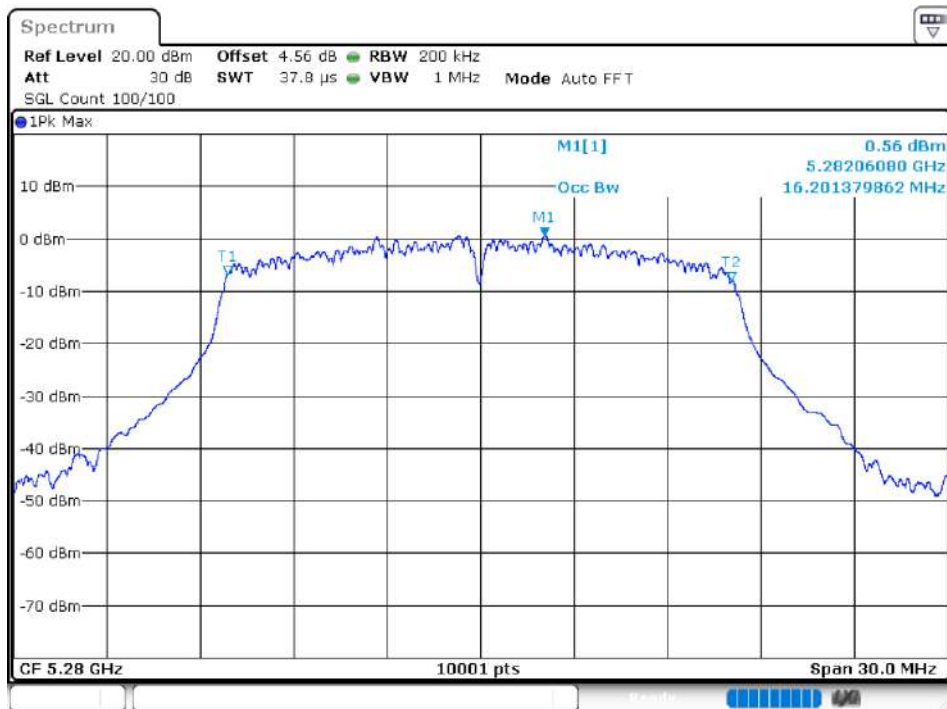
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5260            | Ant1    | 16.183        |
| NVNT      | a    | 5280            | Ant1    | 16.201        |
| NVNT      | a    | 5320            | Ant1    | 16.183        |
| NVNT      | n20  | 5260            | Ant1    | 17.281        |
| NVNT      | n20  | 5280            | Ant1    | 17.323        |
| NVNT      | n20  | 5320            | Ant1    | 17.413        |

Test Graphs

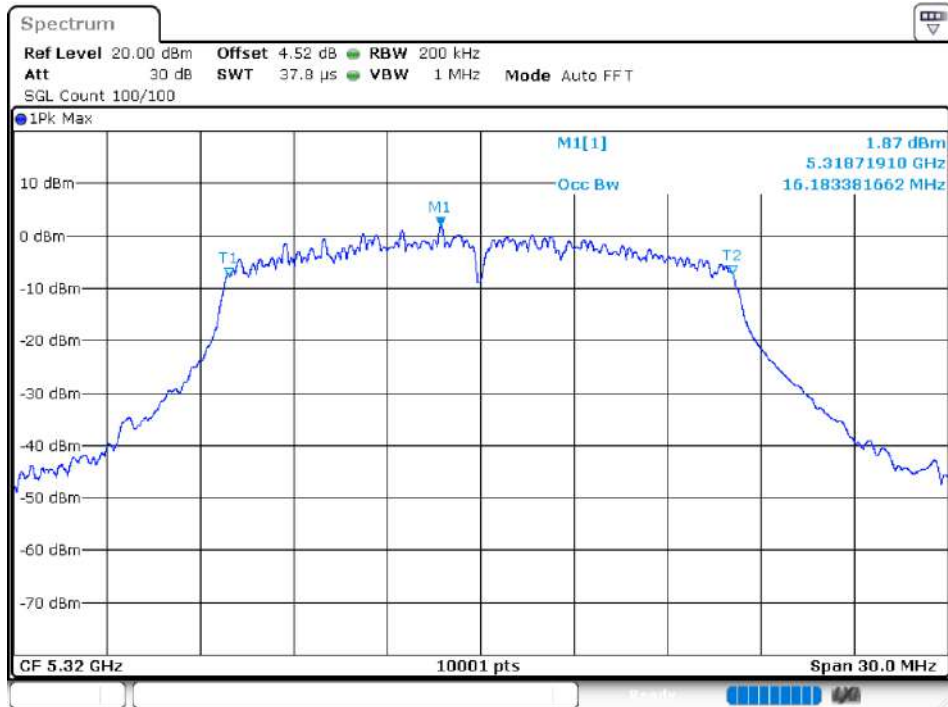
OBW NVNT a 5260MHz Ant1



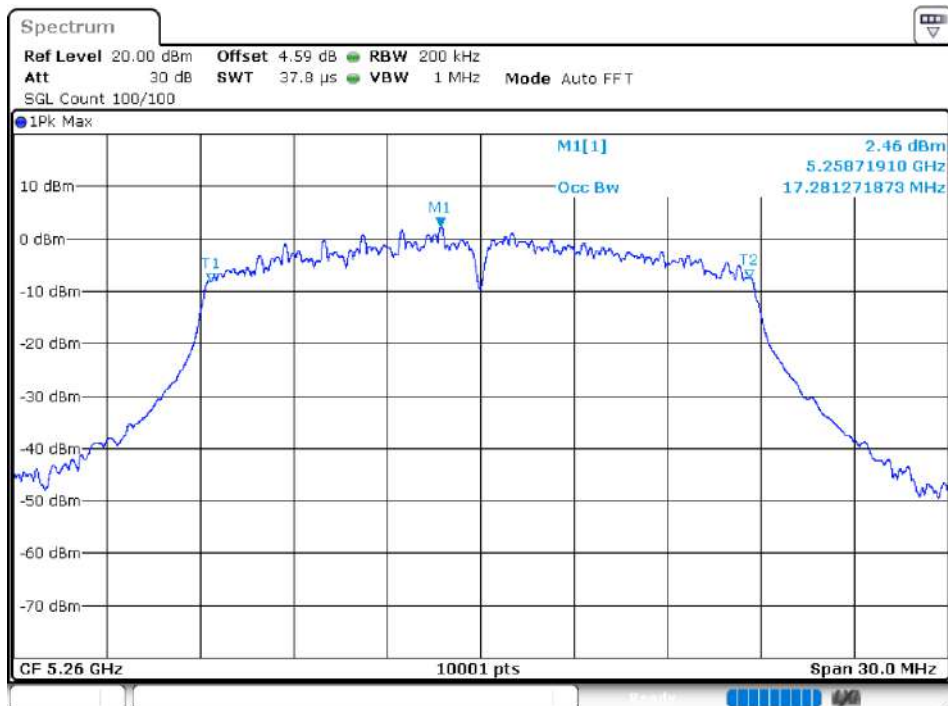
OBW NVNT a 5280MHz Ant1



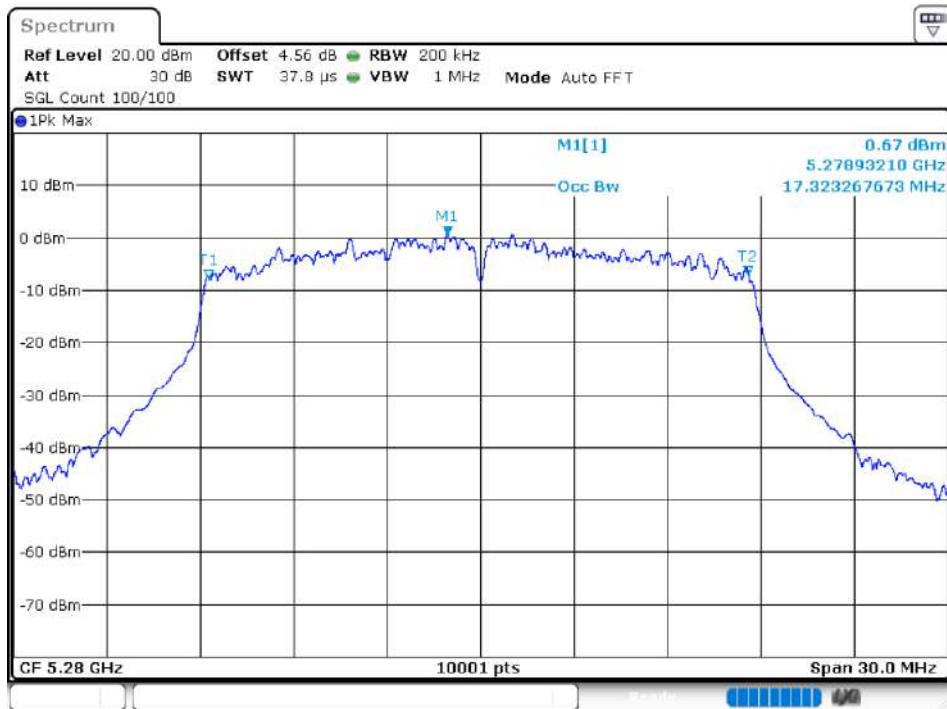
OBW NVNT a 5320MHz Ant1



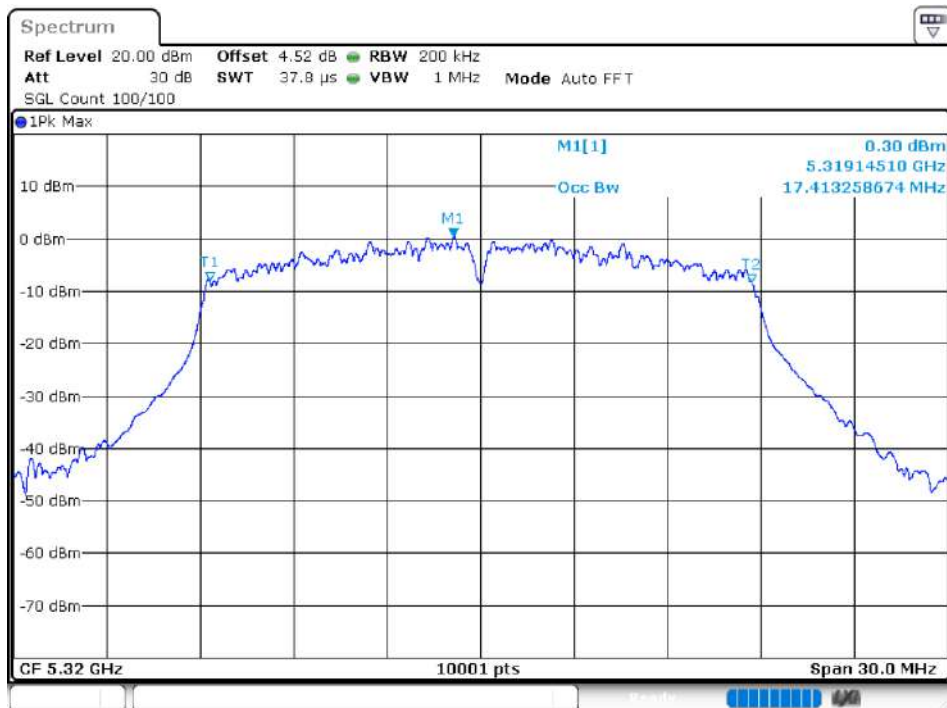
OBW NVNT n20 5260MHz Ant1



OBW NVNT n20 5280MHz Ant1



OBW NVNT n20 5320MHz Ant1

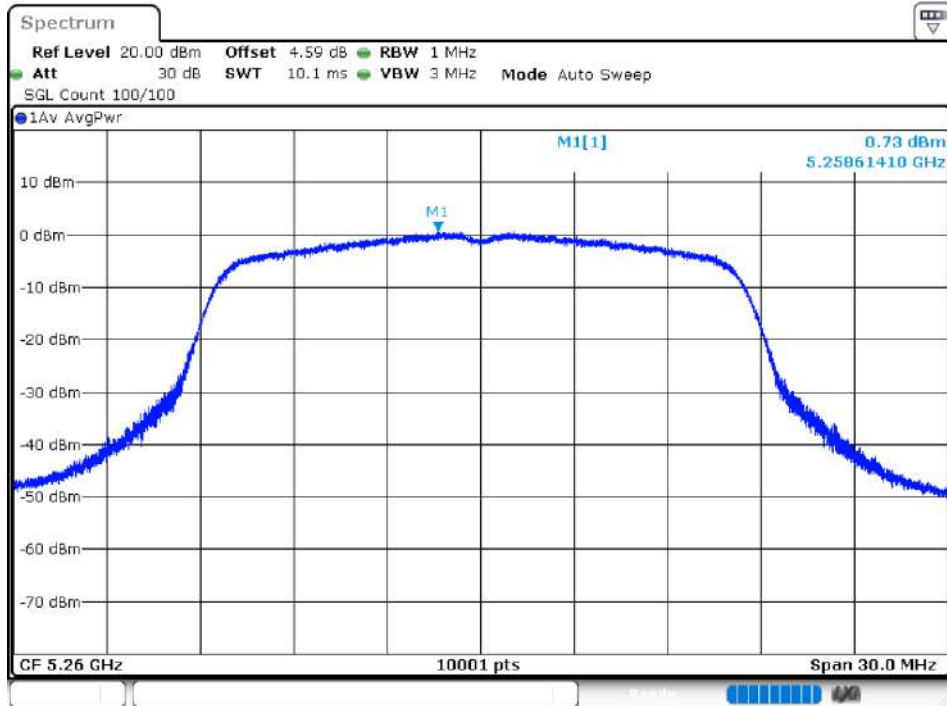


## Maximum Power Spectral Density Level

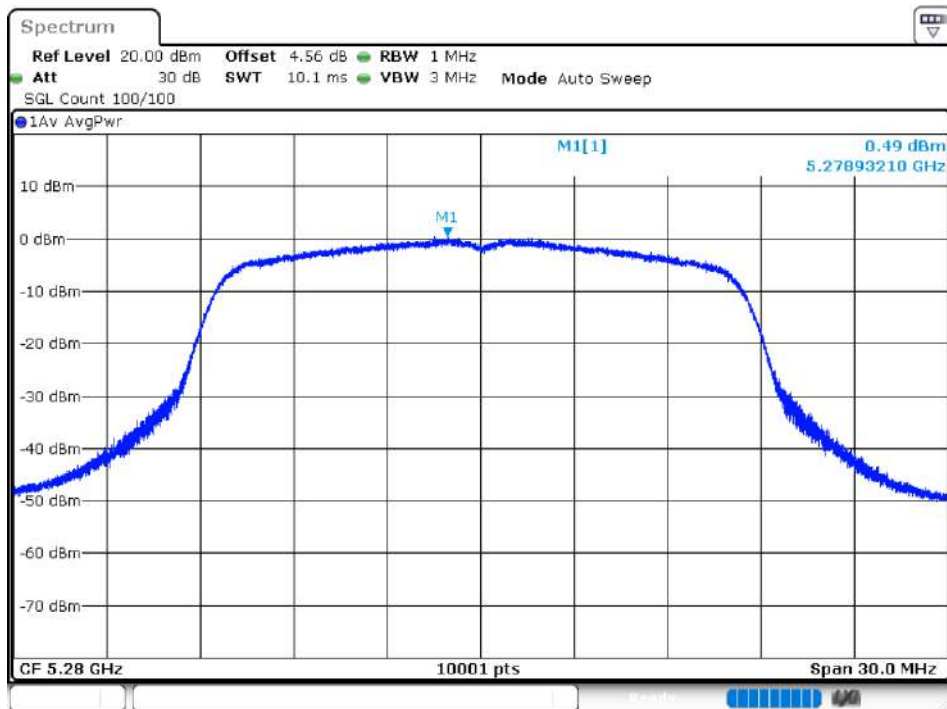
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/MHz) | Duty Factor (dB) | Total PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
|-----------|------|-----------------|---------|-------------------------|------------------|---------------------|-----------------|---------|
| NVNT      | a    | 5260            | Ant1    | 0.73                    | 0.95             | 1.68                | 11              | Pass    |
| NVNT      | a    | 5280            | Ant1    | 0.49                    | 0.95             | 1.44                | 11              | Pass    |
| NVNT      | a    | 5320            | Ant1    | -0.01                   | 0.93             | 0.92                | 11              | Pass    |
| NVNT      | n20  | 5260            | Ant1    | 0.48                    | 1.01             | 1.49                | 11              | Pass    |
| NVNT      | n20  | 5280            | Ant1    | 0.23                    | 1.01             | 1.24                | 11              | Pass    |
| NVNT      | n20  | 5320            | Ant1    | -0.46                   | 1                | 0.54                | 11              | Pass    |

Test Graphs

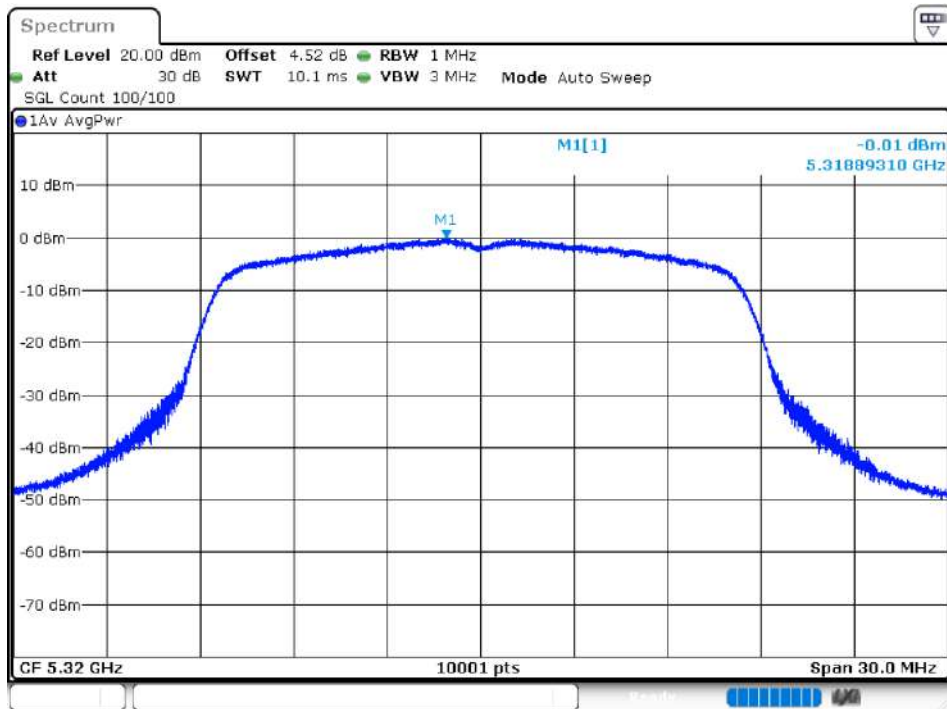
PSD NVNT a 5260MHz Ant1



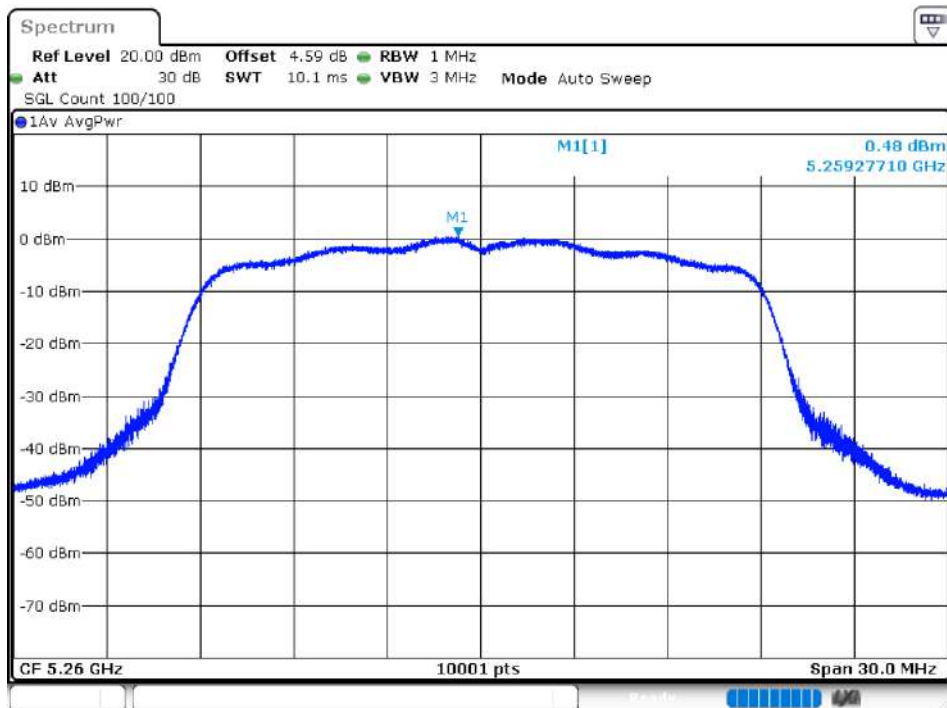
PSD NVNT a 5280MHz Ant1

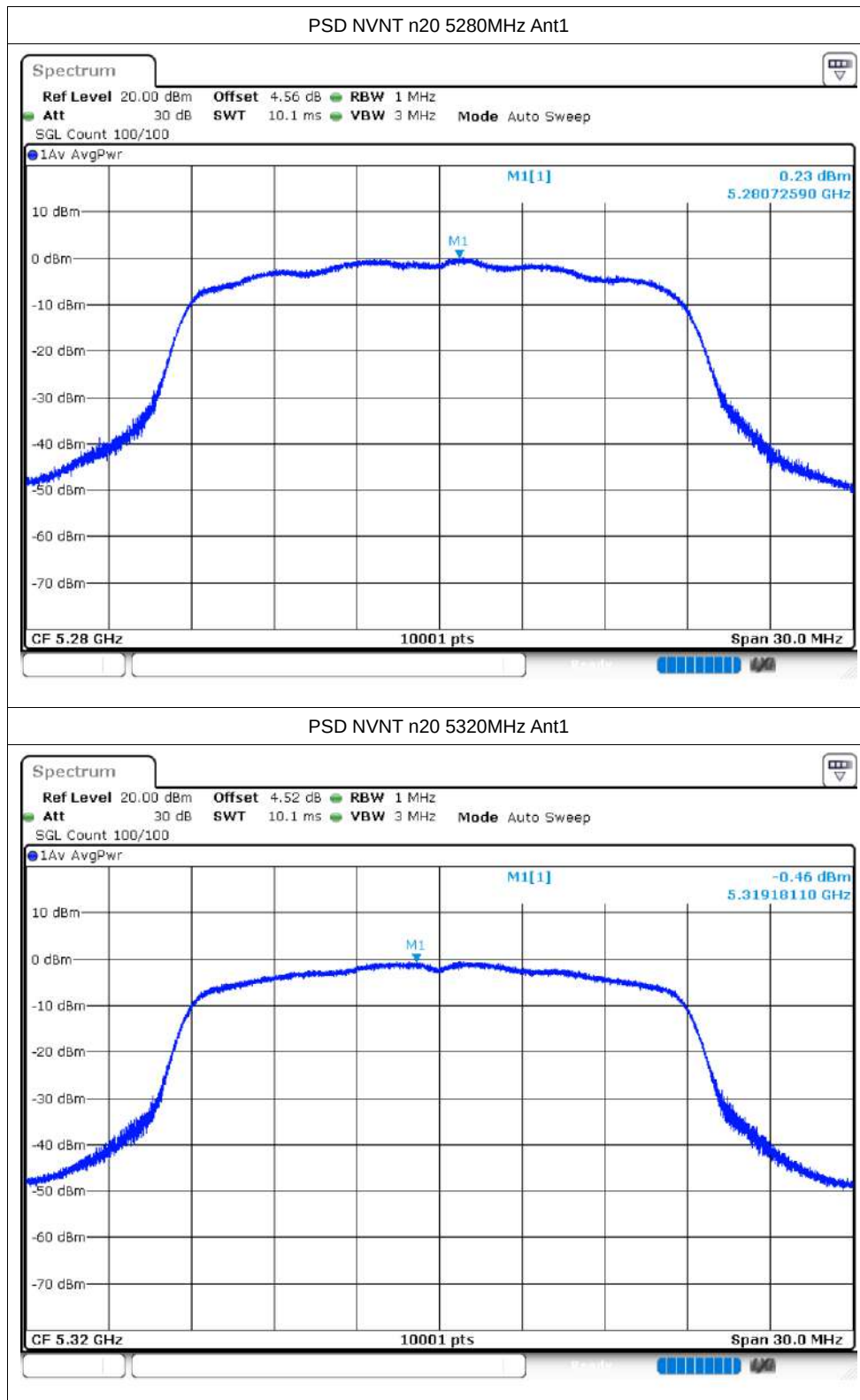


PSD NVNT a 5320MHz Ant1



PSD NVNT n20 5260MHz Ant1



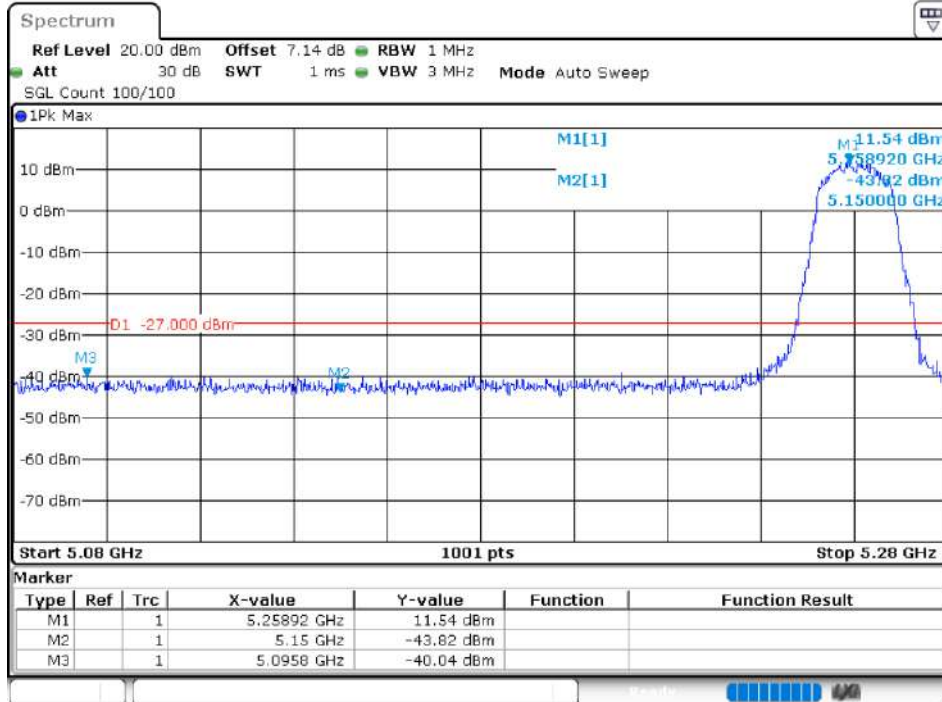


# Band Edge

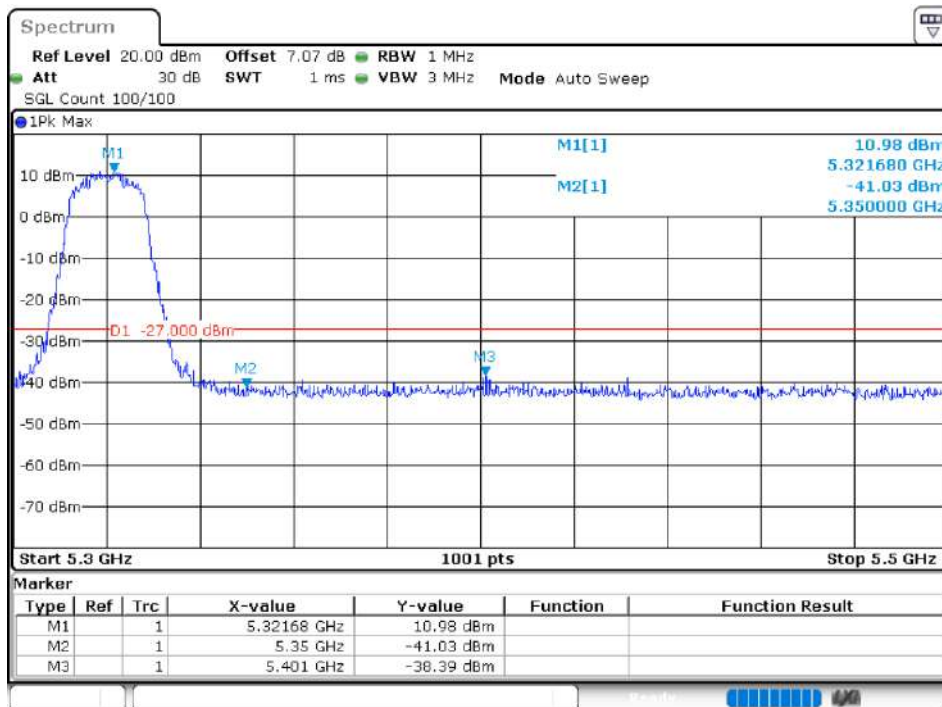
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a    | 5260            | Ant1    | -40.04          | -27         | Pass    |
| NVNT      | a    | 5320            | Ant1    | -38.39          | -27         | Pass    |
| NVNT      | n20  | 5260            | Ant1    | -39.76          | -27         | Pass    |
| NVNT      | n20  | 5320            | Ant1    | -39.16          | -27         | Pass    |

# Test Graphs

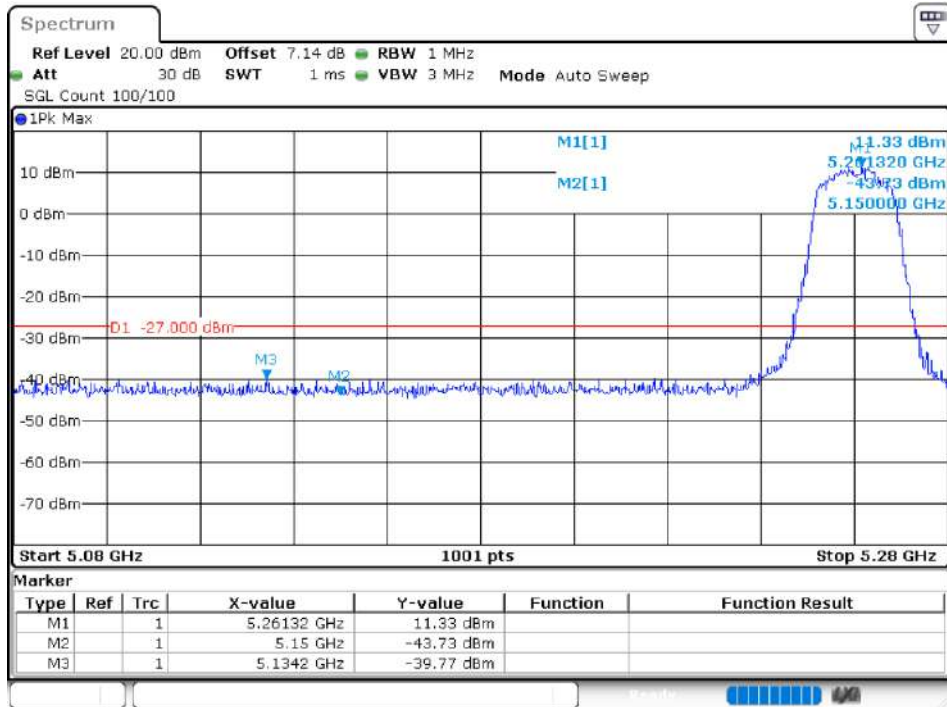
## Band Edge NVNT a 5260MHz Low Ant1



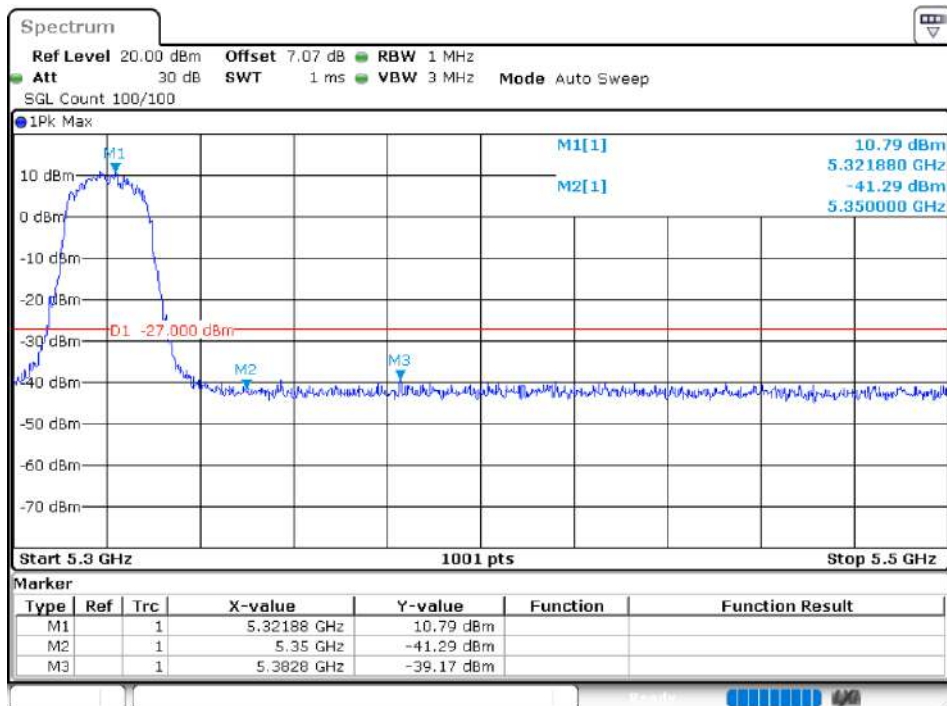
## Band Edge NVNT a 5320MHz High Ant1



Band Edge NVNT n20 5260MHz Low Ant1



Band Edge NVNT n20 5320MHz High Ant1

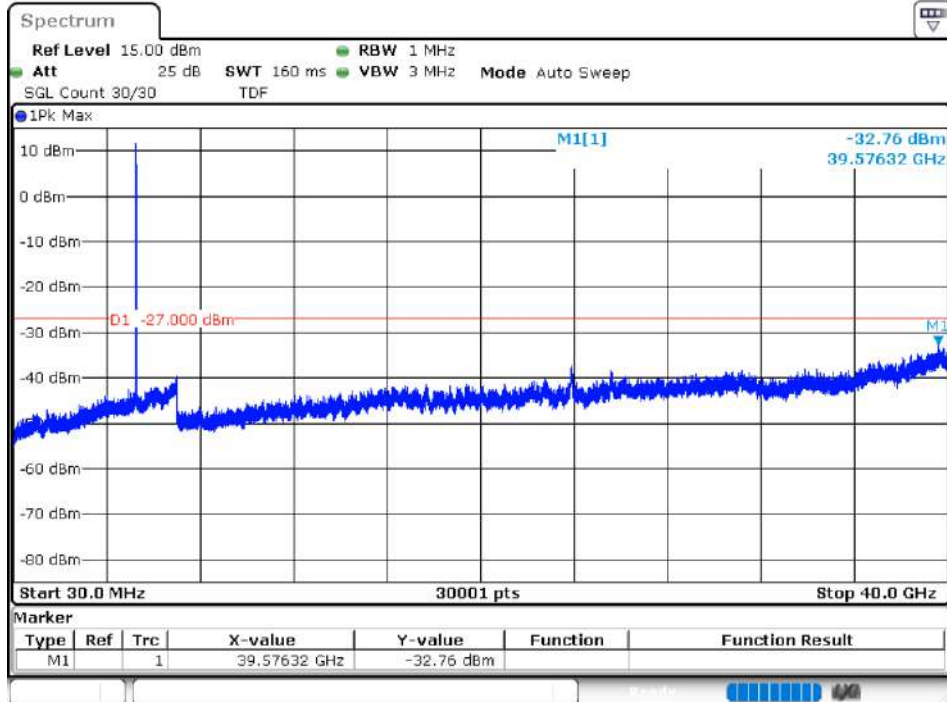


## Conducted RF Spurious Emission

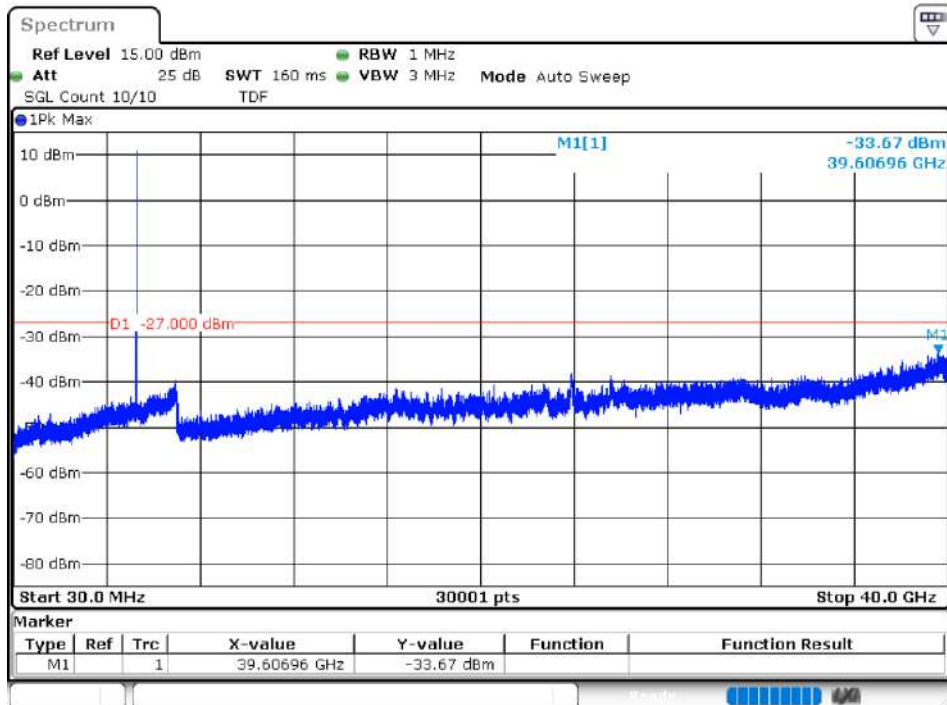
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a    | 5260            | Ant1    | -32.75          | -27         | Pass    |
| NVNT      | a    | 5280            | Ant1    | -33.67          | -27         | Pass    |
| NVNT      | a    | 5320            | Ant1    | -32.59          | -27         | Pass    |
| NVNT      | n20  | 5260            | Ant1    | -33.52          | -27         | Pass    |
| NVNT      | n20  | 5280            | Ant1    | -33.22          | -27         | Pass    |
| NVNT      | n20  | 5320            | Ant1    | -33.85          | -27         | Pass    |

Test Graphs

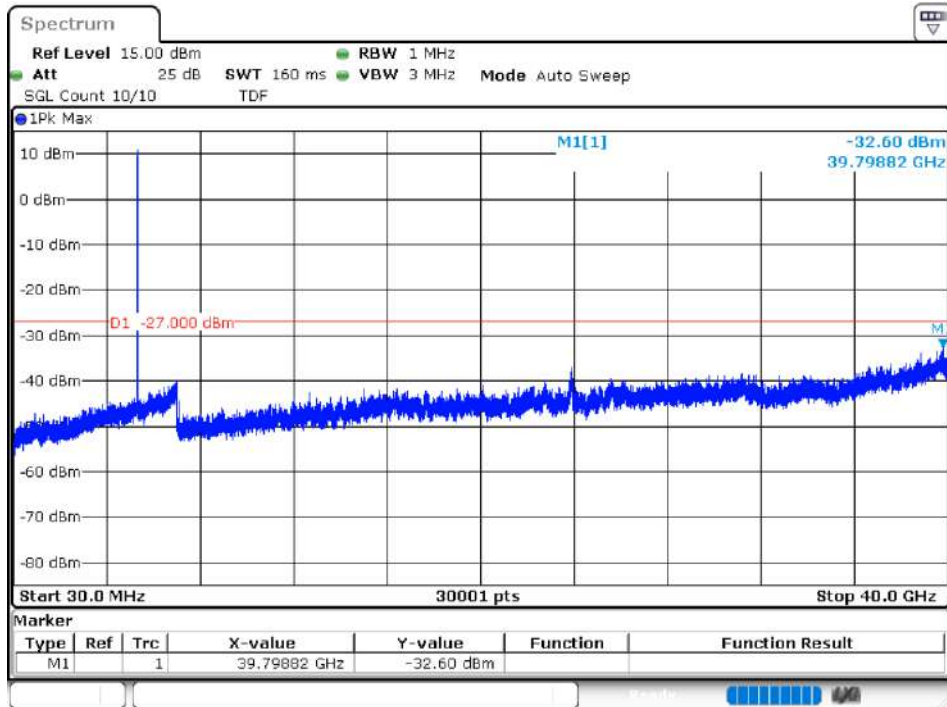
Tx. Spurious NVNT a 5260MHz Ant1 Emission



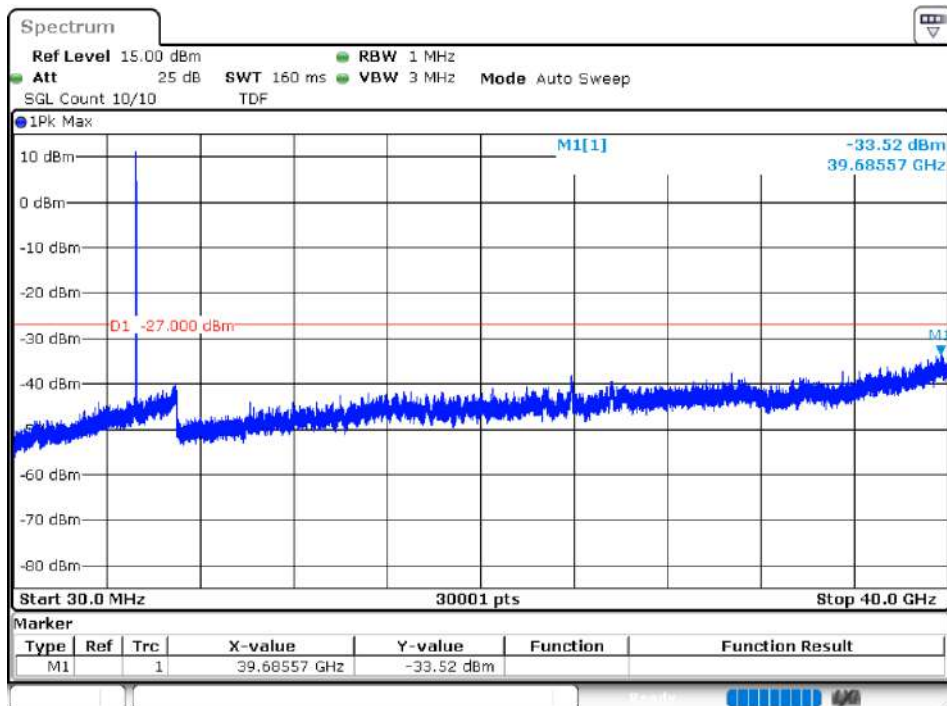
Tx. Spurious NVNT a 5280MHz Ant1 Emission



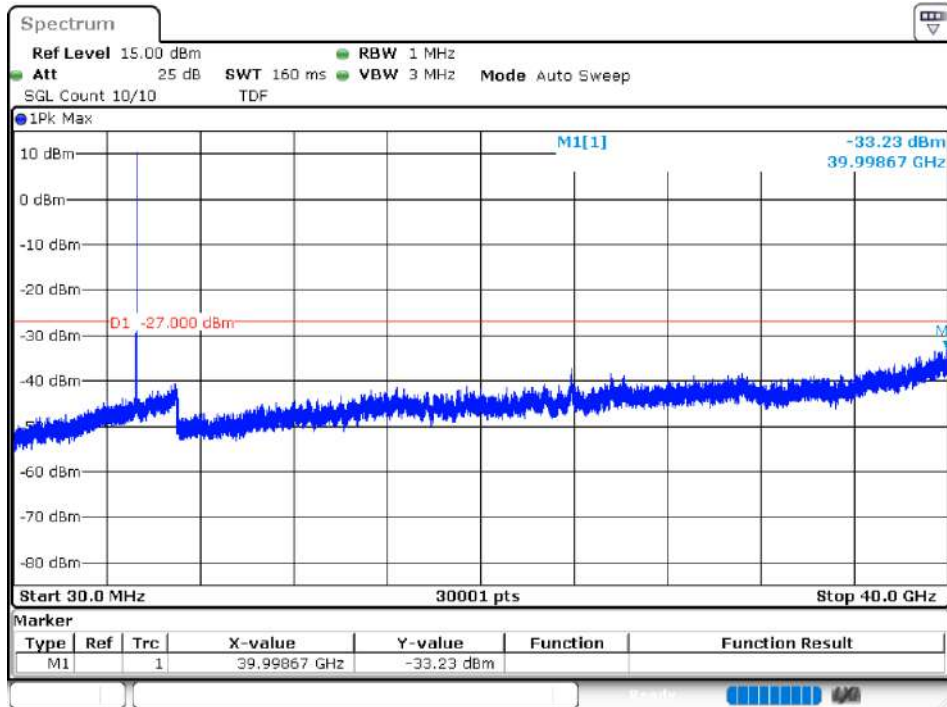
Tx. Spurious NVNT a 5320MHz Ant1 Emission



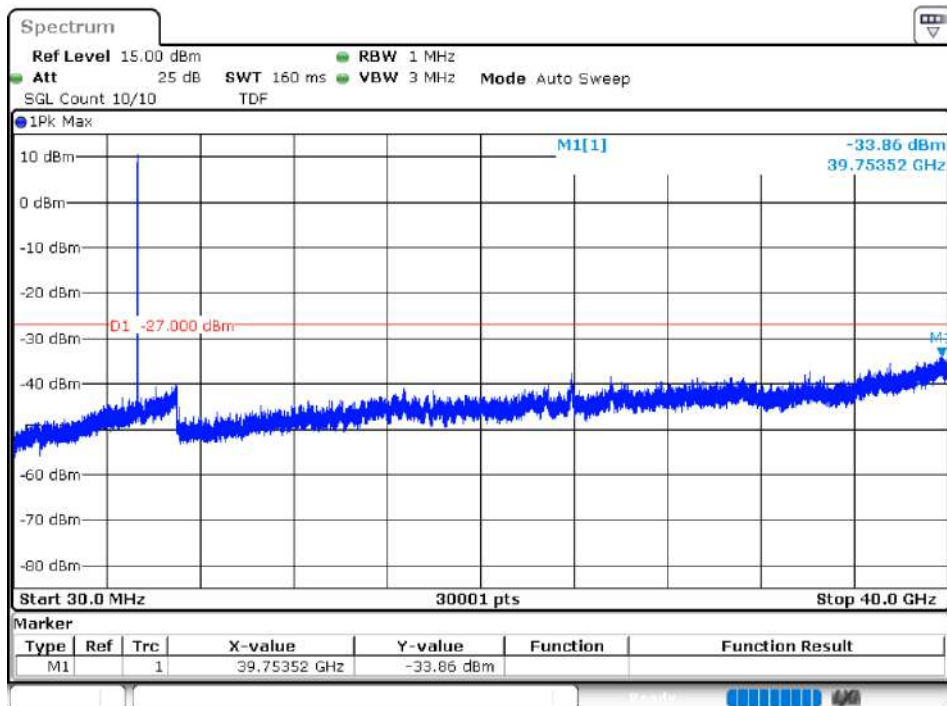
Tx. Spurious NVNT n20 5260MHz Ant1 Emission



Tx. Spurious NVNT n20 5280MHz Ant1 Emission



Tx. Spurious NVNT n20 5320MHz Ant1 Emission



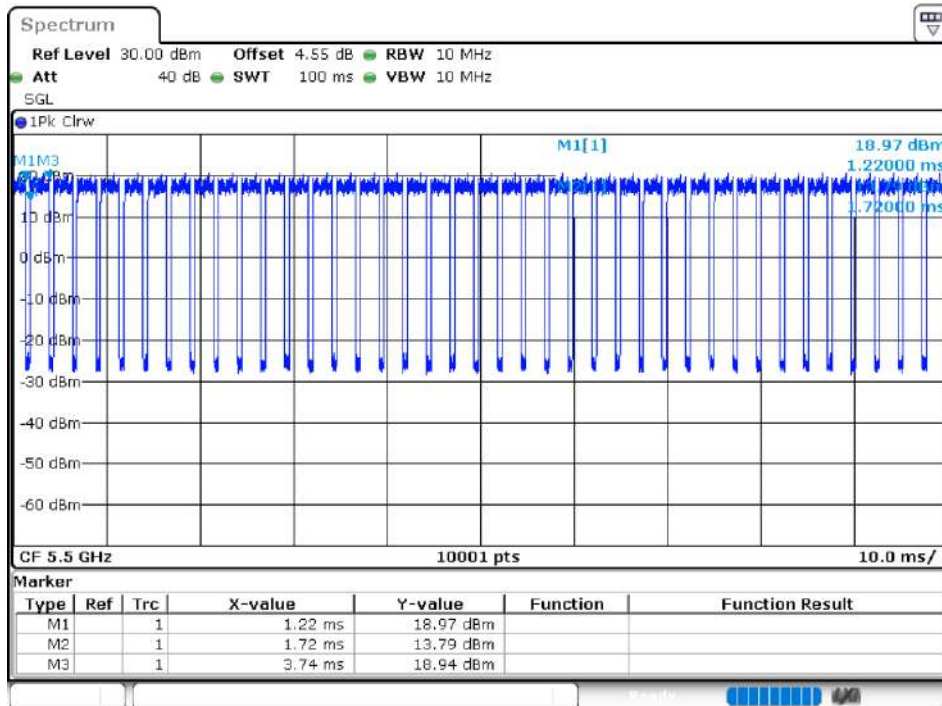
# 5.6G WIFI

## Duty Cycle

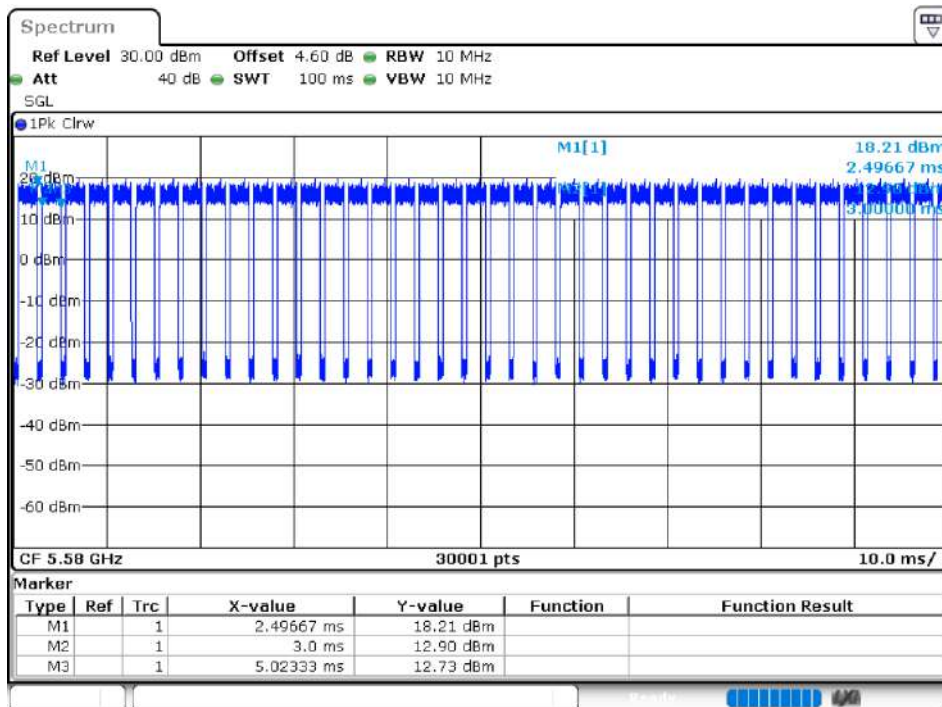
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5500            | Ant1    | 80.54          | 0.94                   | 0.5       |
| NVNT      | a    | 5580            | Ant1    | 80.08          | 0.96                   | 0.49      |
| NVNT      | a    | 5700            | Ant1    | 80.72          | 0.93                   | 0.49      |
| NVNT      | n20  | 5500            | Ant1    | 79.31          | 1.01                   | 0.53      |
| NVNT      | n20  | 5580            | Ant1    | 79.07          | 1.02                   | 0.53      |
| NVNT      | n20  | 5700            | Ant1    | 79.31          | 1.01                   | 0.53      |

# Test Graphs

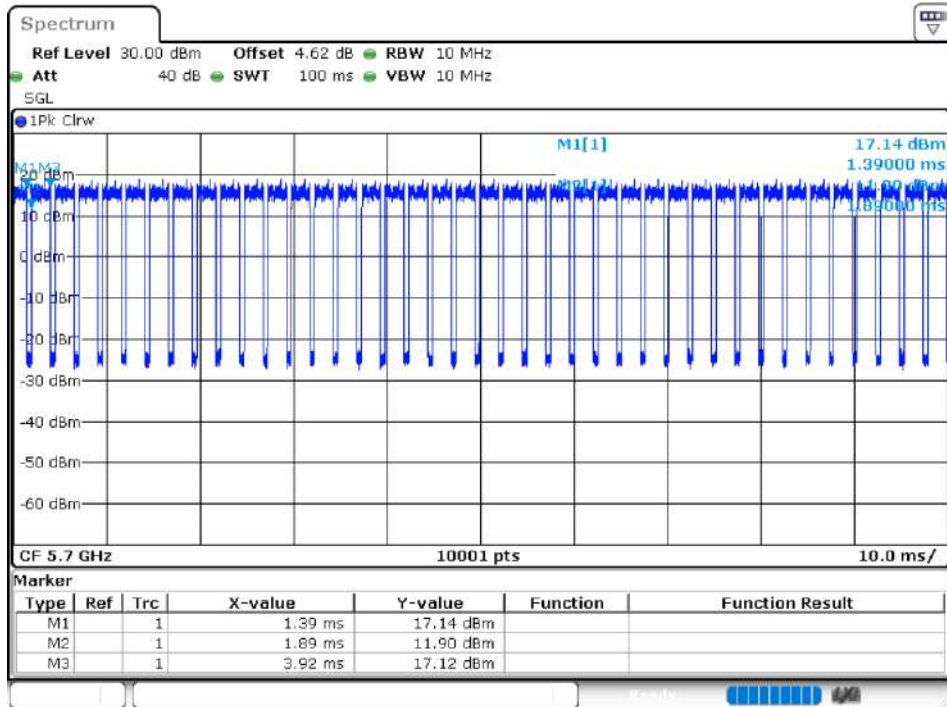
## Duty Cycle NVNT a 5500MHz Ant1



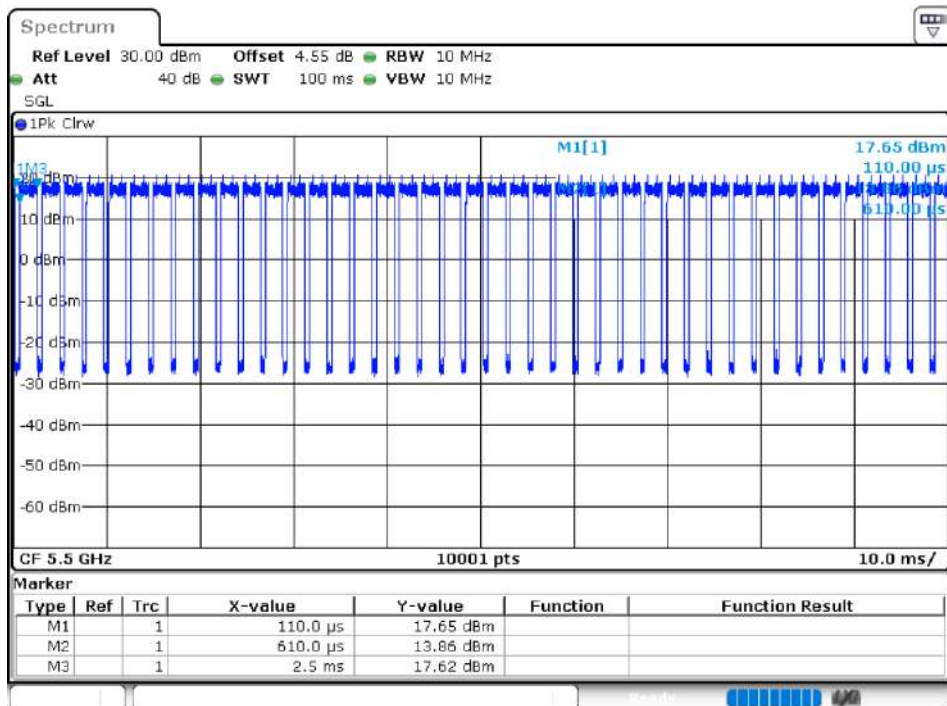
## Duty Cycle NVNT a 5580MHz Ant1



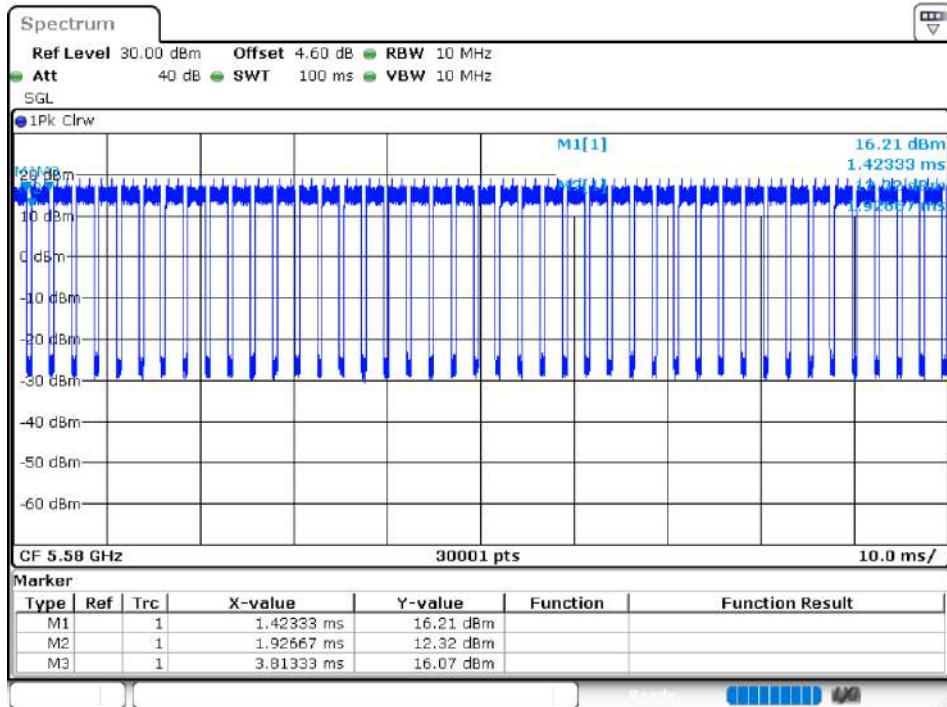
Duty Cycle NVNT a 5700MHz Ant1



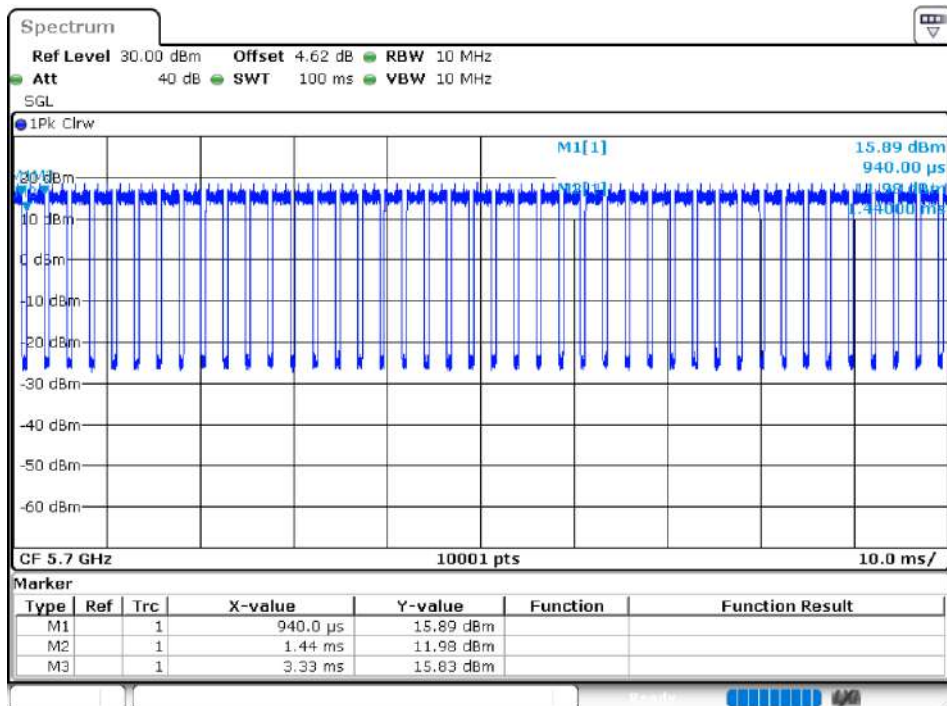
Duty Cycle NVNT n20 5500MHz Ant1



Duty Cycle NVNT n20 5580MHz Ant1



Duty Cycle NVNT n20 5700MHz Ant1



## Maximum Conducted Output Power

| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------------|----------------|---------|
| NVNT      | a    | 5500               | Ant1    | 12.44                    | 24             | Pass    |
| NVNT      | a    | 5580               | Ant1    | 11.55                    | 24             | Pass    |
| NVNT      | a    | 5700               | Ant1    | 11.29                    | 24             | Pass    |
| NVNT      | n20  | 5500               | Ant1    | 12.44                    | 24             | Pass    |
| NVNT      | n20  | 5580               | Ant1    | 11.34                    | 24             | Pass    |
| NVNT      | n20  | 5700               | Ant1    | 11.54                    | 24             | Pass    |

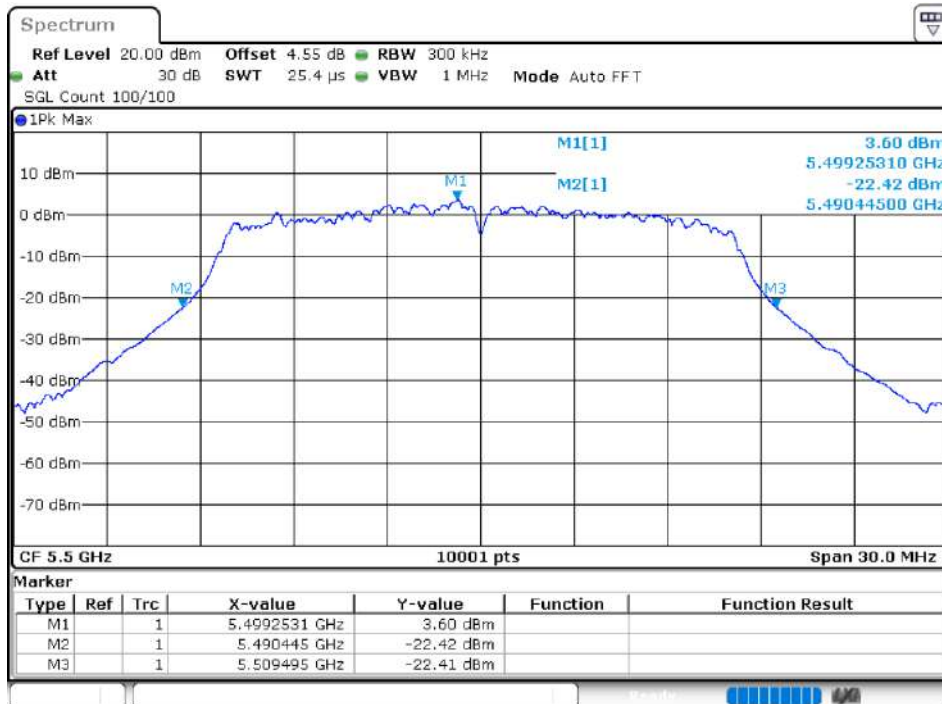
3. The conducted average power contains duty cycle factor.
4. The limit base lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$   
where B is the 26 dB emission bandwidth in megahertz

## -26dB Bandwidth

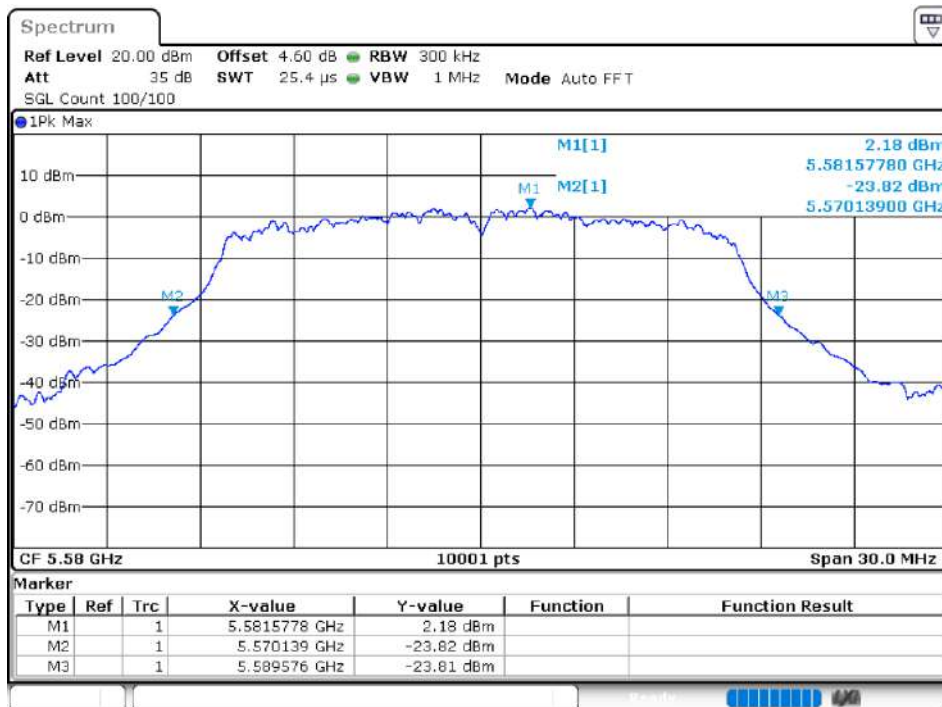
| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Verdict     |
|-----------|------|-----------------|---------|------------------------|-------------|
| NVNT      | a    | 5500            | Ant1    | 19.05                  | Report only |
| NVNT      | a    | 5580            | Ant1    | 19.437                 | Report only |
| NVNT      | a    | 5700            | Ant1    | 19.224                 | Report only |
| NVNT      | n20  | 5500            | Ant1    | 20.676                 | Report only |
| NVNT      | n20  | 5580            | Ant1    | 19.983                 | Report only |
| NVNT      | n20  | 5700            | Ant1    | 19.869                 | Report only |

# Test Graphs

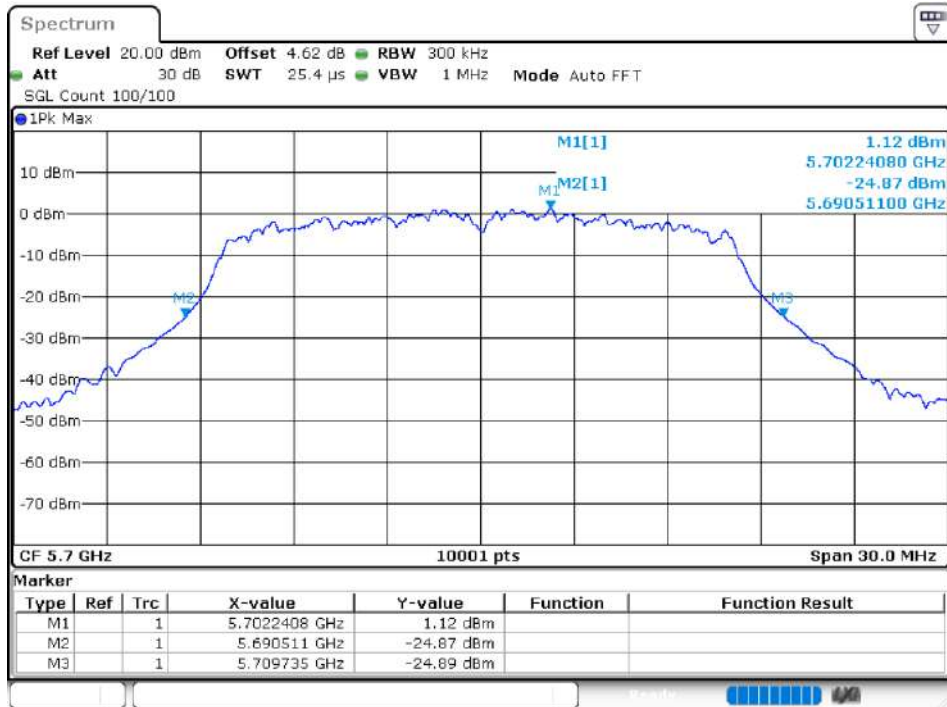
## -26dB Bandwidth NVNT a 5500MHz Ant1



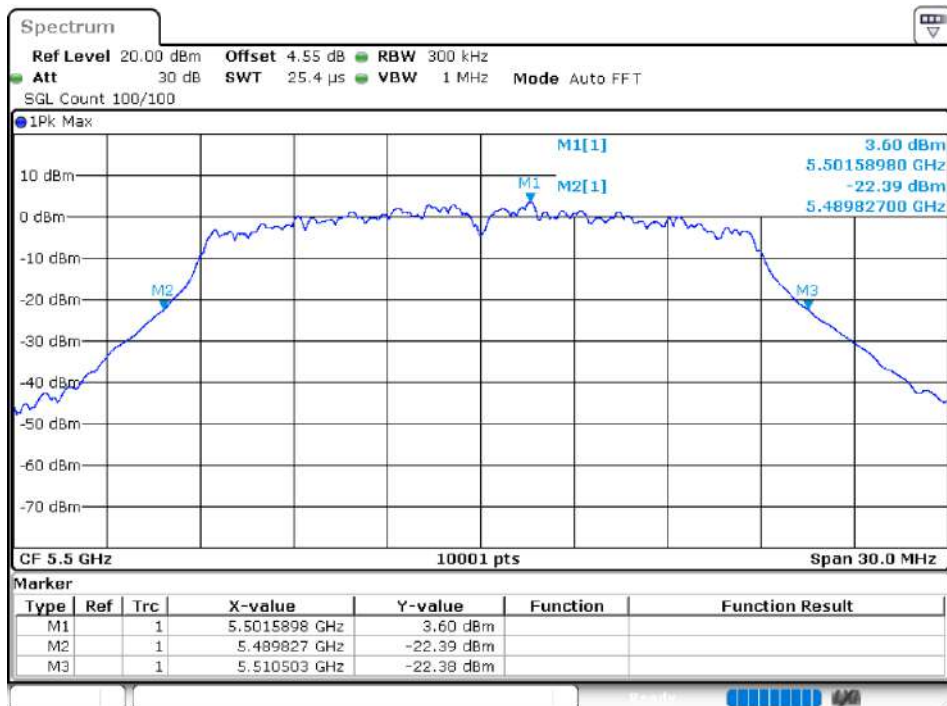
## -26dB Bandwidth NVNT a 5580MHz Ant1



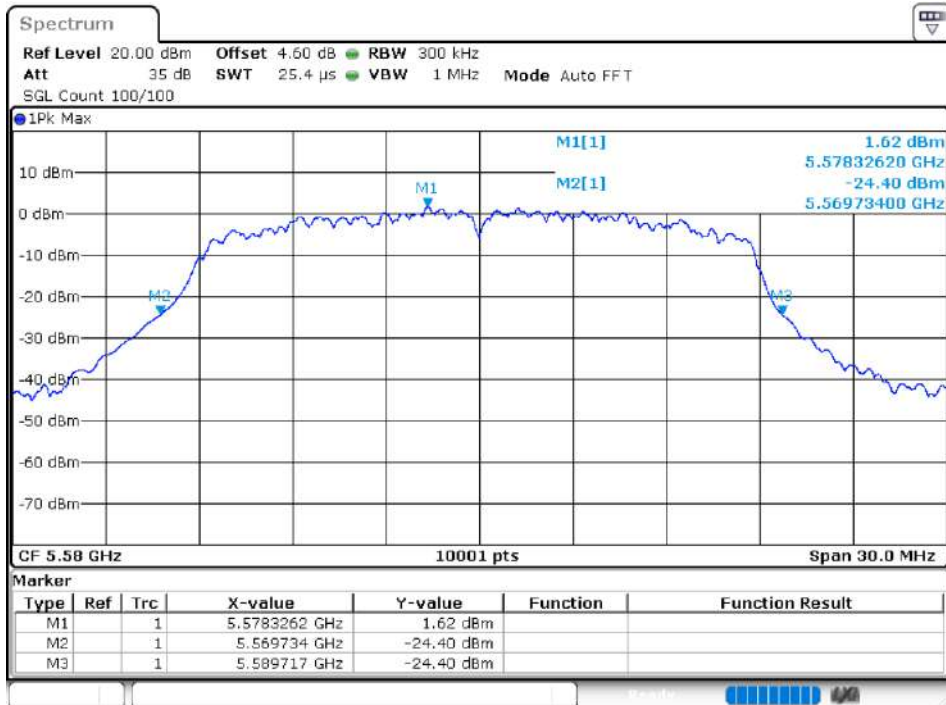
-26dB Bandwidth NVNT a 5700MHz Ant1



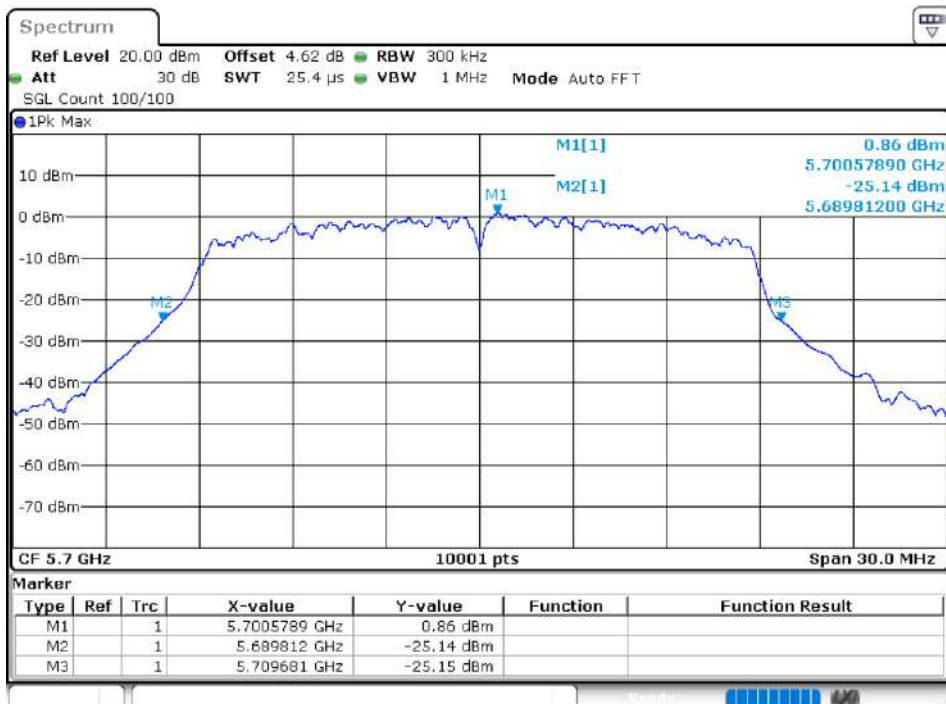
-26dB Bandwidth NVNT n20 5500MHz Ant1



-26dB Bandwidth NVNT n20 5580MHz Ant1



-26dB Bandwidth NVNT n20 5700MHz Ant1



Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5500            | Ant1    | 16.231        |
| NVNT      | a    | 5580            | Ant1    | 16.186        |
| NVNT      | a    | 5700            | Ant1    | 16.288        |
| NVNT      | n20  | 5500            | Ant1    | 17.437        |
| NVNT      | n20  | 5580            | Ant1    | 17.416        |
| NVNT      | n20  | 5700            | Ant1    | 17.302        |

Test Graphs

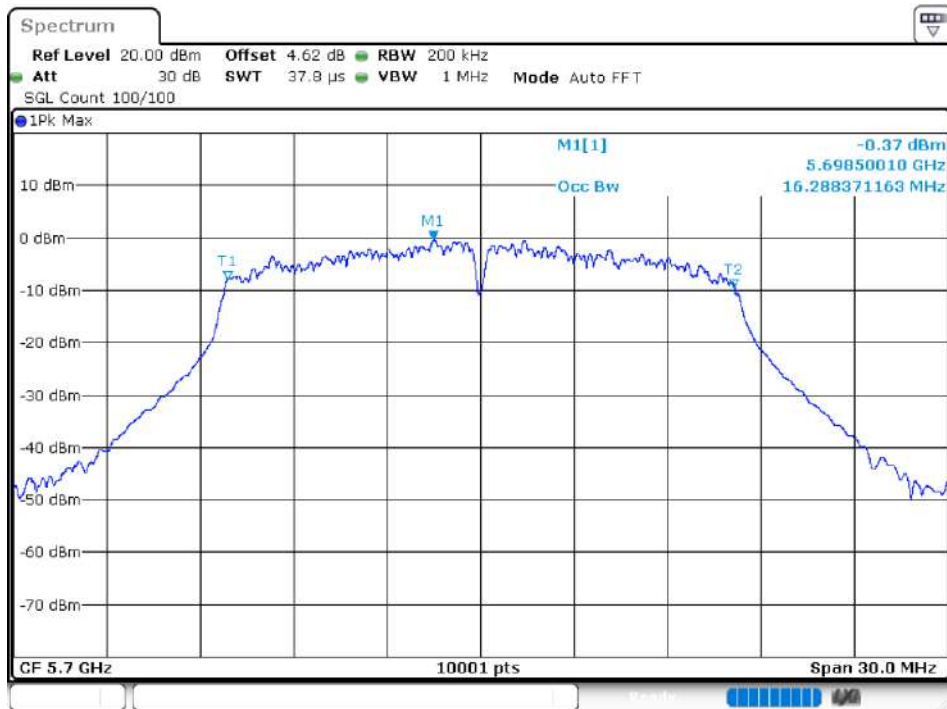
OBW NVNT a 5500MHz Ant1



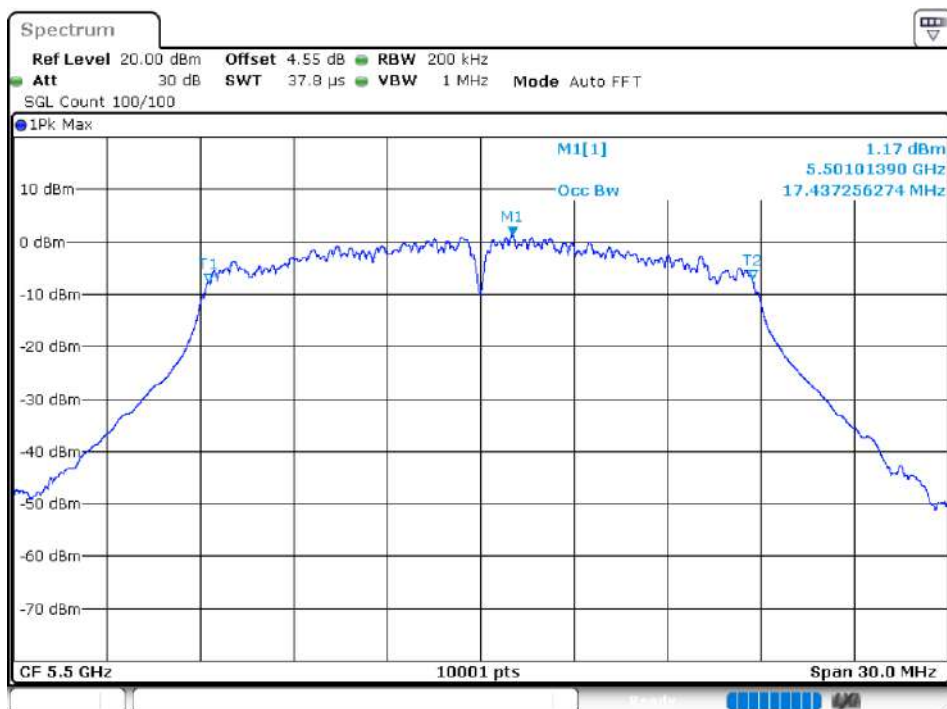
OBW NVNT a 5580MHz Ant1



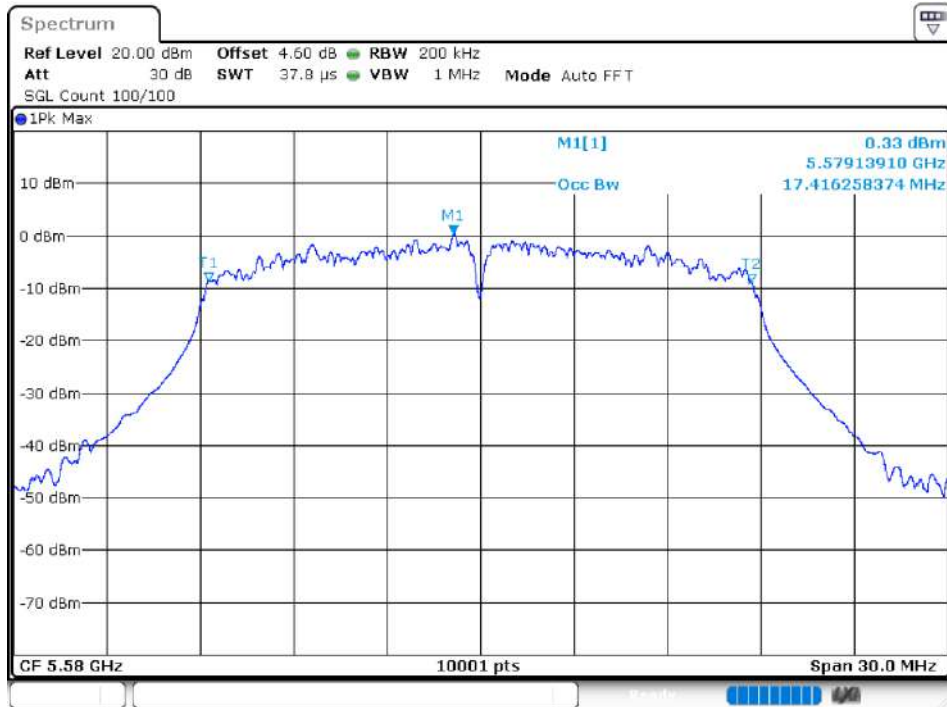
OBW NVNT a 5700MHz Ant1



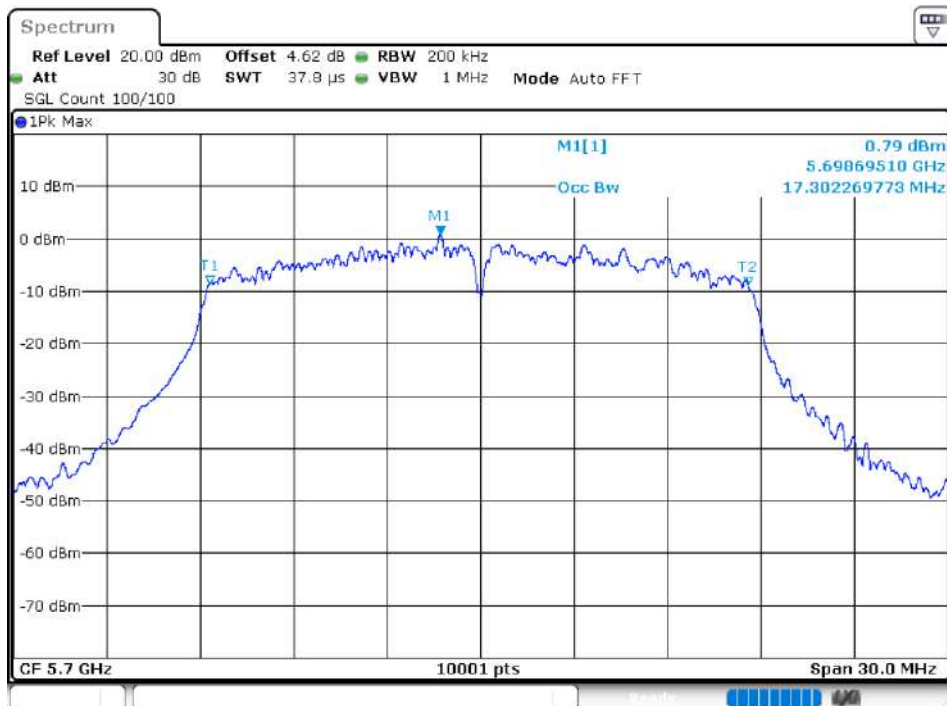
OBW NVNT n20 5500MHz Ant1



OBW NVNT n20 5580MHz Ant1



OBW NVNT n20 5700MHz Ant1

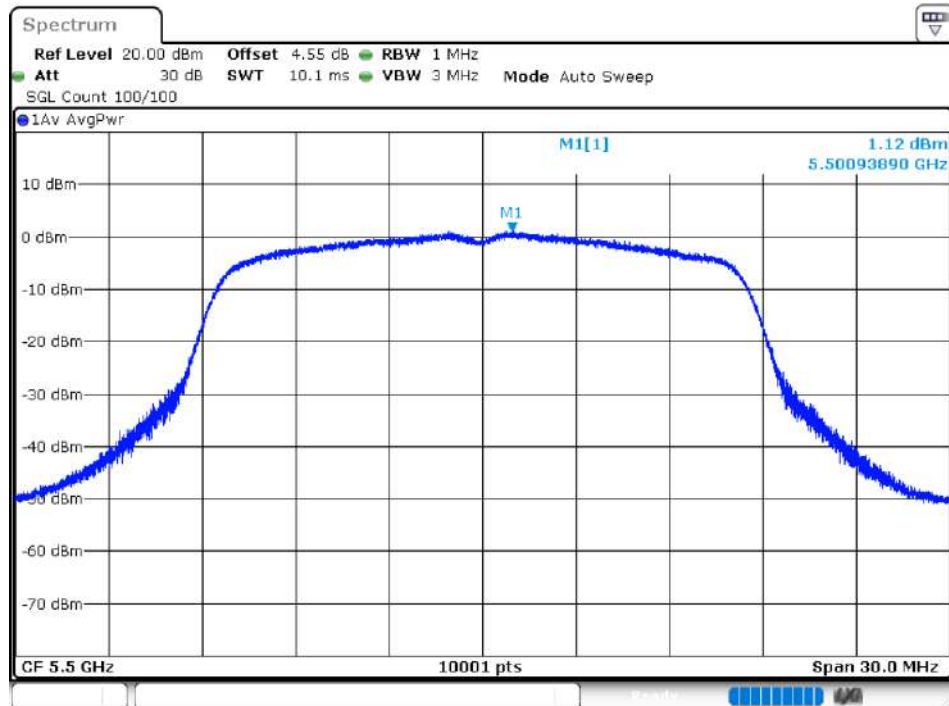


## Maximum Power Spectral Density Level

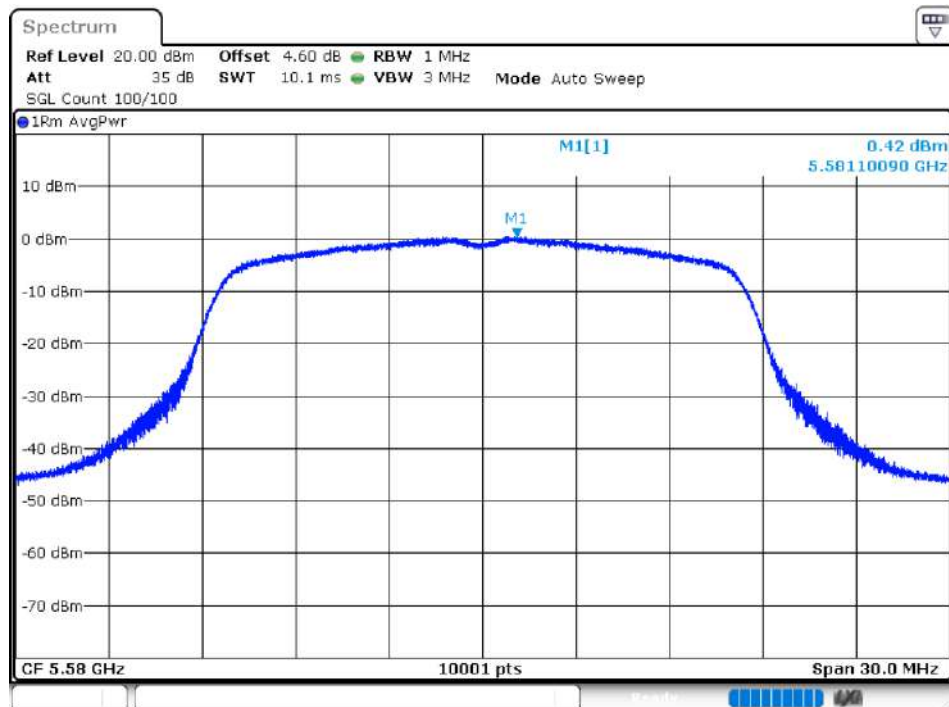
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/MHz) | Duty Factor (dB) | Total PSD (dBm/MHz) | Limit (dBm/MHz) | Verdict |
|-----------|------|-----------------|---------|-------------------------|------------------|---------------------|-----------------|---------|
| NVNT      | a    | 5500            | Ant1    | 1.12                    | 0.94             | 2.06                | 11              | Pass    |
| NVNT      | a    | 5580            | Ant1    | 0.42                    | 0.96             | 1.38                | 11              | Pass    |
| NVNT      | a    | 5700            | Ant1    | -0.91                   | 0.93             | 0.02                | 11              | Pass    |
| NVNT      | n20  | 5500            | Ant1    | 0.86                    | 1.01             | 1.87                | 11              | Pass    |
| NVNT      | n20  | 5580            | Ant1    | -0.11                   | 1.02             | 0.91                | 11              | Pass    |
| NVNT      | n20  | 5700            | Ant1    | -1.17                   | 1.01             | -0.16               | 11              | Pass    |

Test Graphs

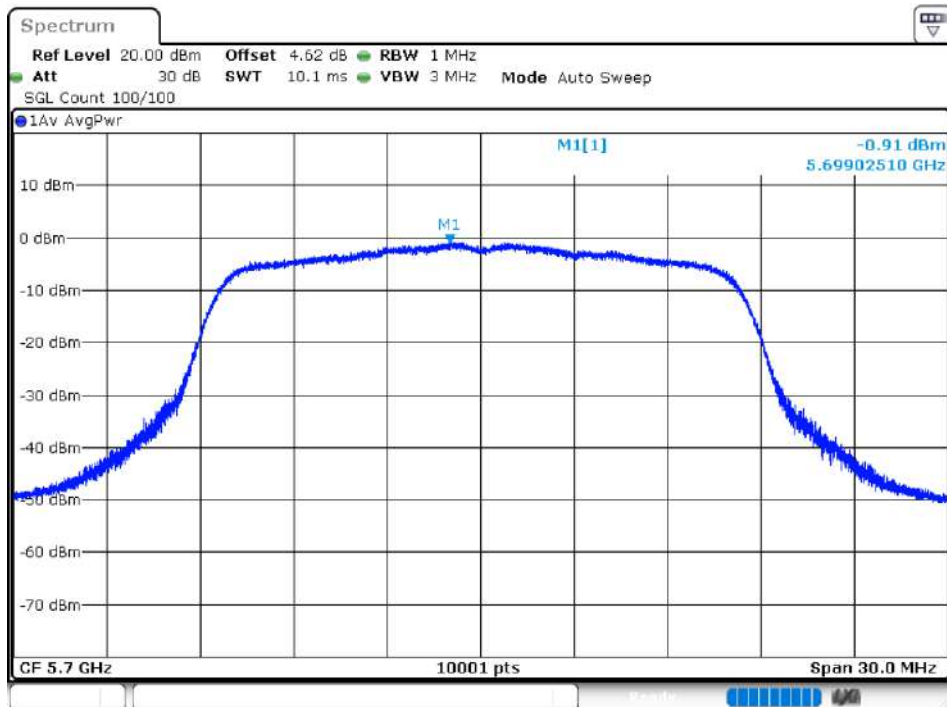
PSD NVNT a 5500MHz Ant1



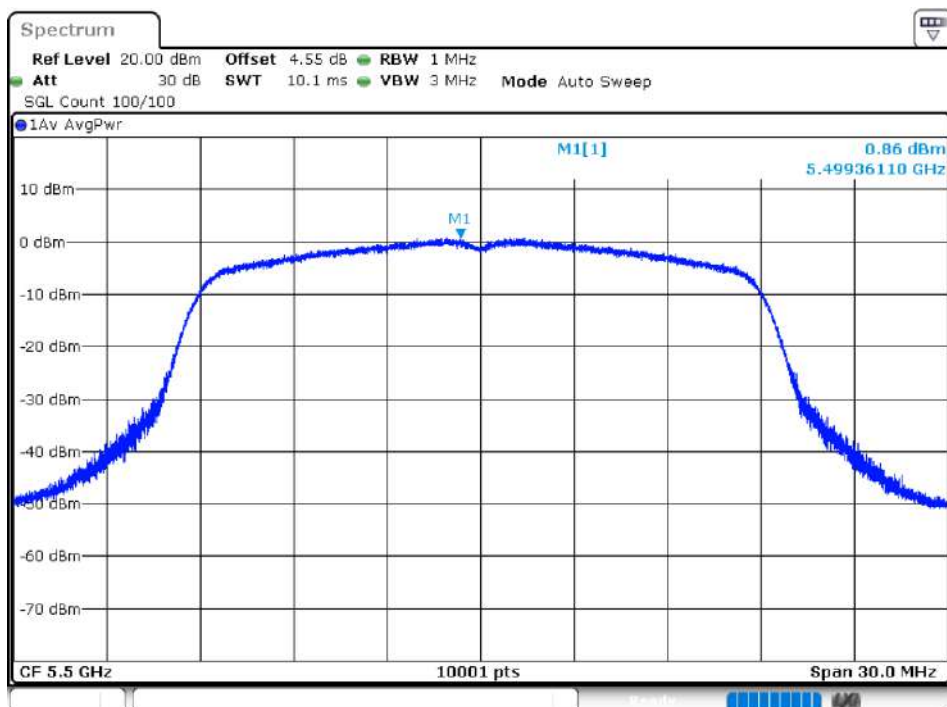
PSD NVNT a 5580MHz Ant1

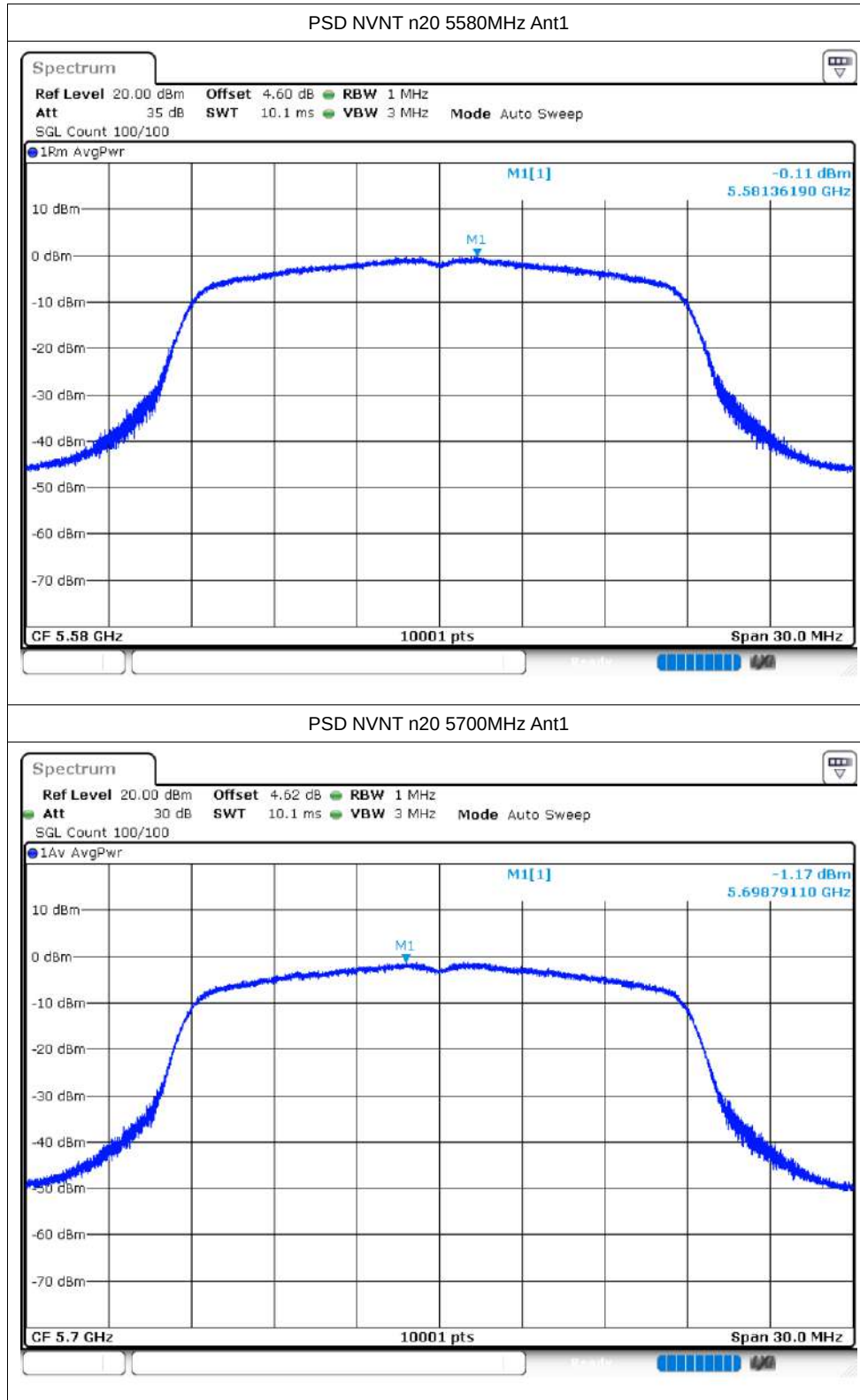


PSD NVNT a 5700MHz Ant1



PSD NVNT n20 5500MHz Ant1



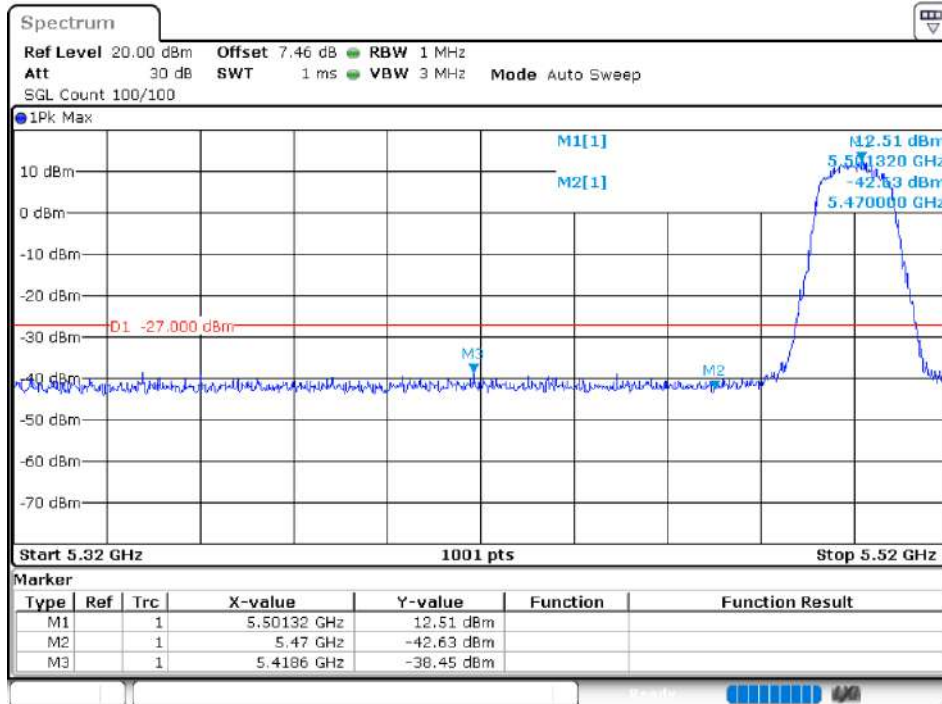


## Band Edge

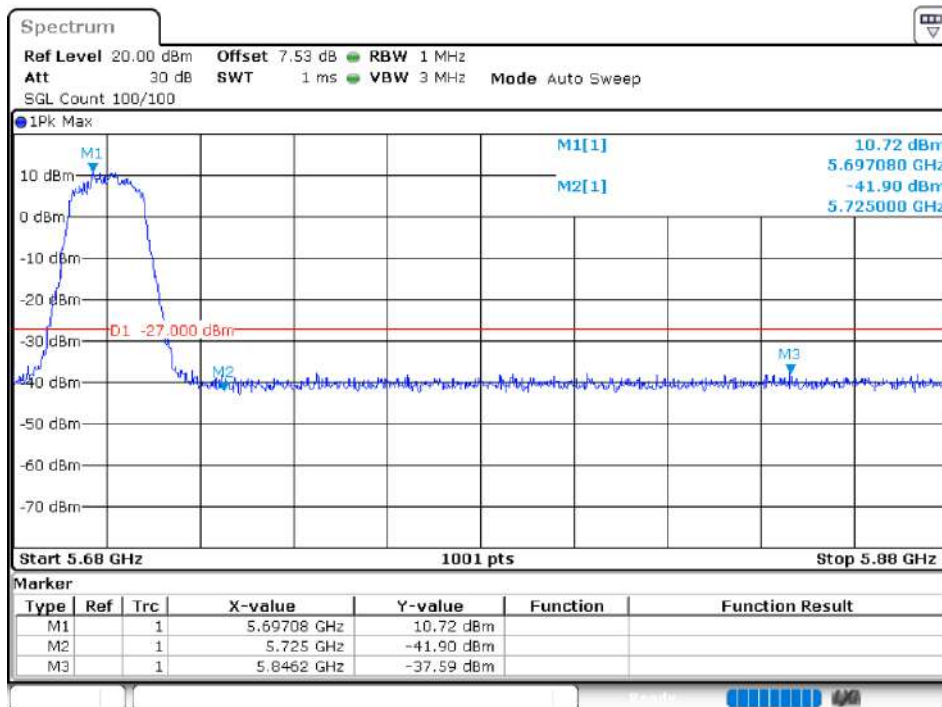
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a    | 5500            | Ant1    | -38.44          | -27         | Pass    |
| NVNT      | a    | 5700            | Ant1    | -37.58          | -27         | Pass    |
| NVNT      | n20  | 5500            | Ant1    | -37.18          | -27         | Pass    |
| NVNT      | n20  | 5700            | Ant1    | -36.81          | -27         | Pass    |

# Test Graphs

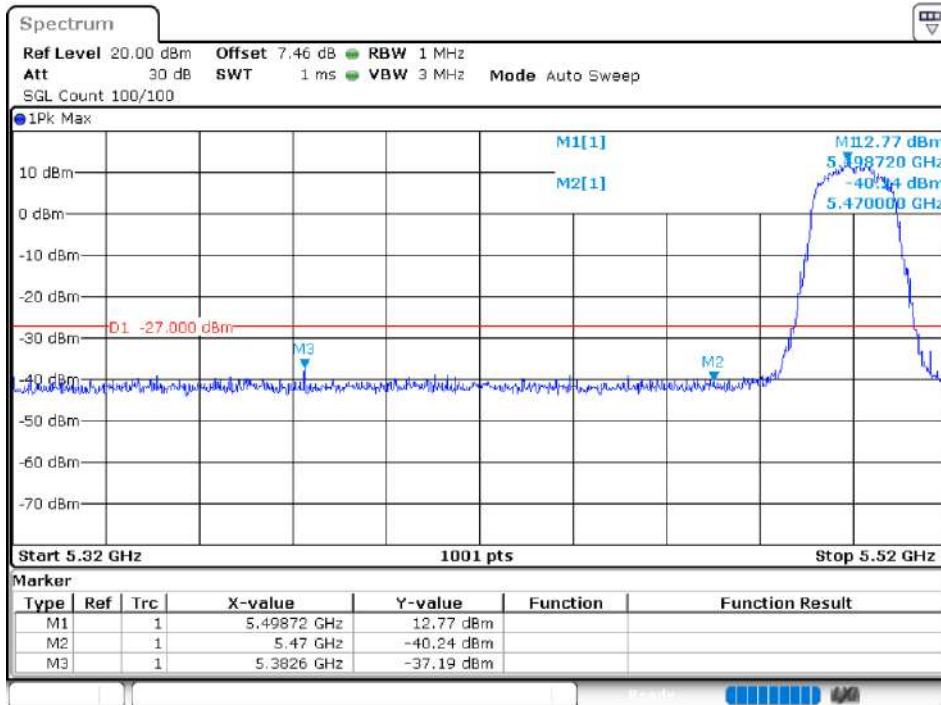
## Band Edge NVNT a 5500MHz Low Ant1



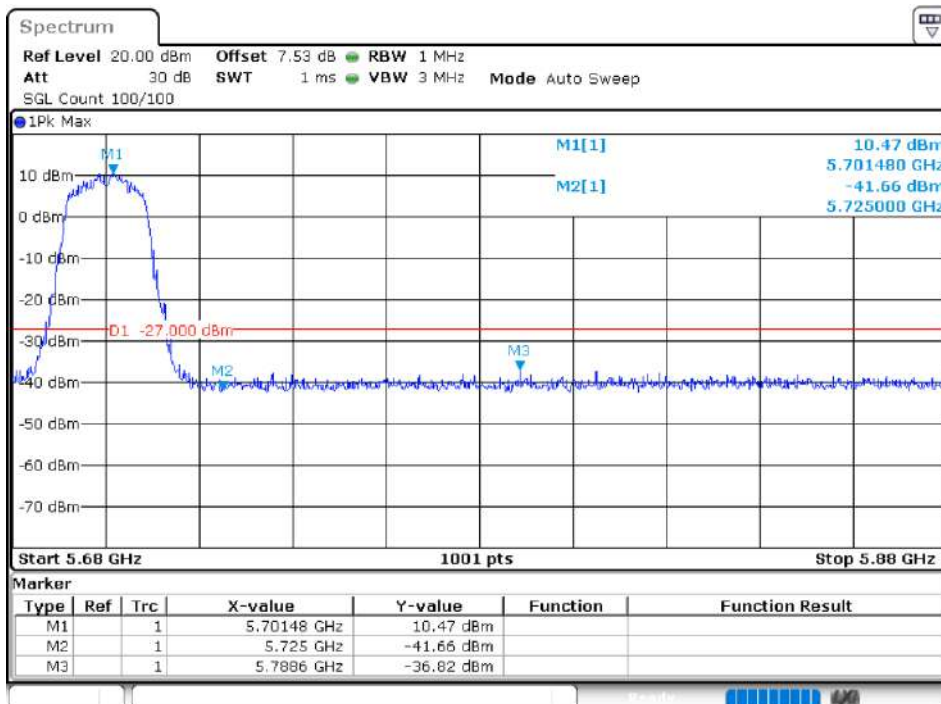
## Band Edge NVNT a 5700MHz High Ant1



Band Edge NVNT n20 5500MHz Low Ant1



Band Edge NVNT n20 5700MHz High Ant1

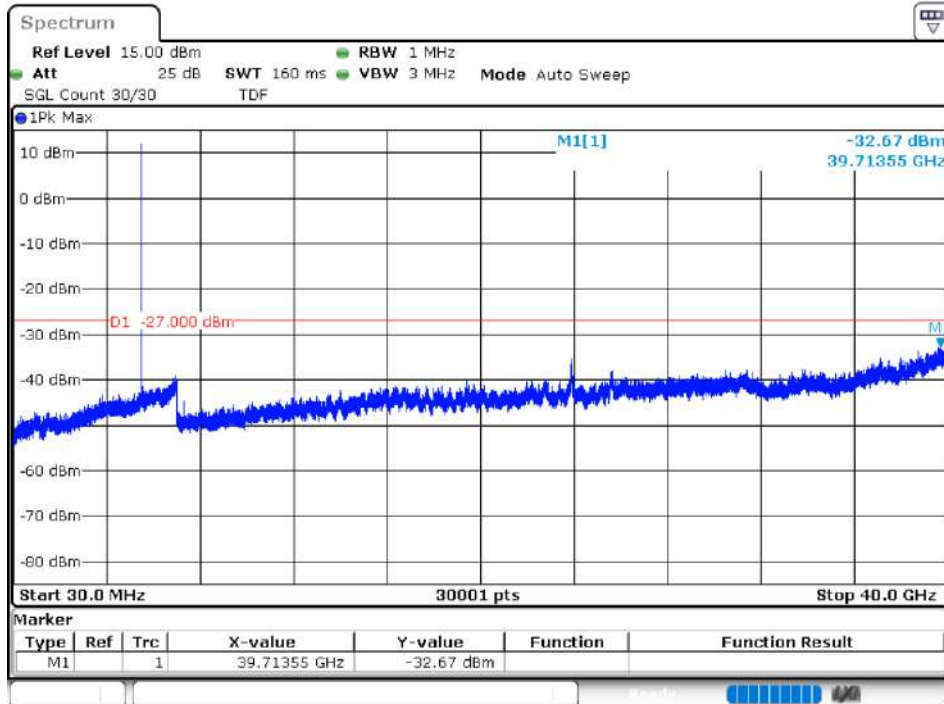


## Conducted RF Spurious Emission

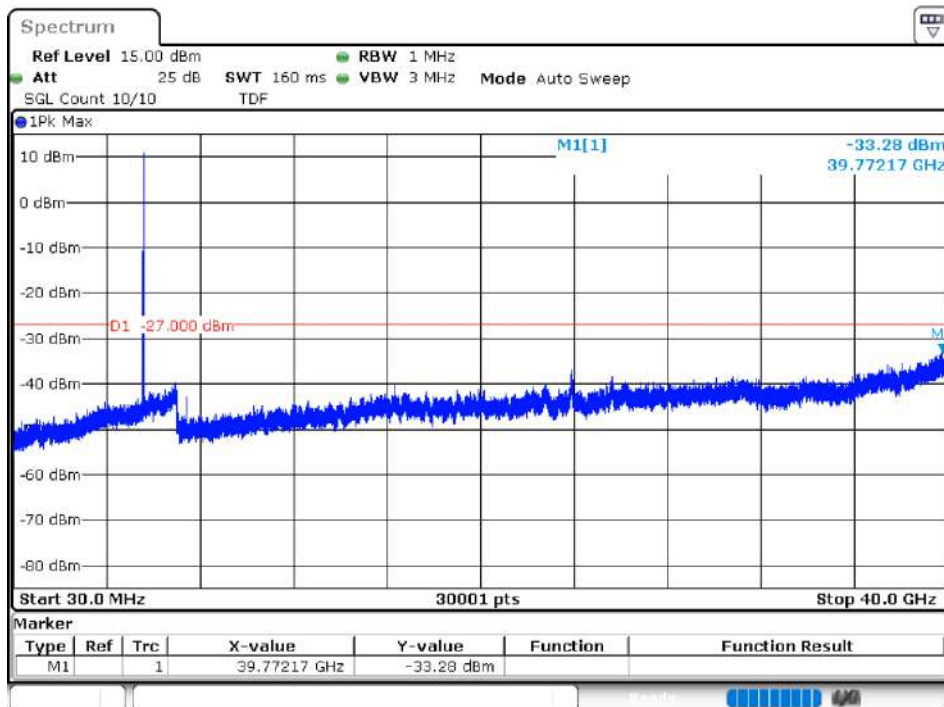
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a    | 5500            | Ant1    | -32.66          | -27         | Pass    |
| NVNT      | a    | 5580            | Ant1    | -33.28          | -27         | Pass    |
| NVNT      | a    | 5700            | Ant1    | -33.31          | -27         | Pass    |
| NVNT      | n20  | 5500            | Ant1    | -33.79          | -27         | Pass    |
| NVNT      | n20  | 5580            | Ant1    | -33.78          | -27         | Pass    |
| NVNT      | n20  | 5700            | Ant1    | -33.26          | -27         | Pass    |

# Test Graphs

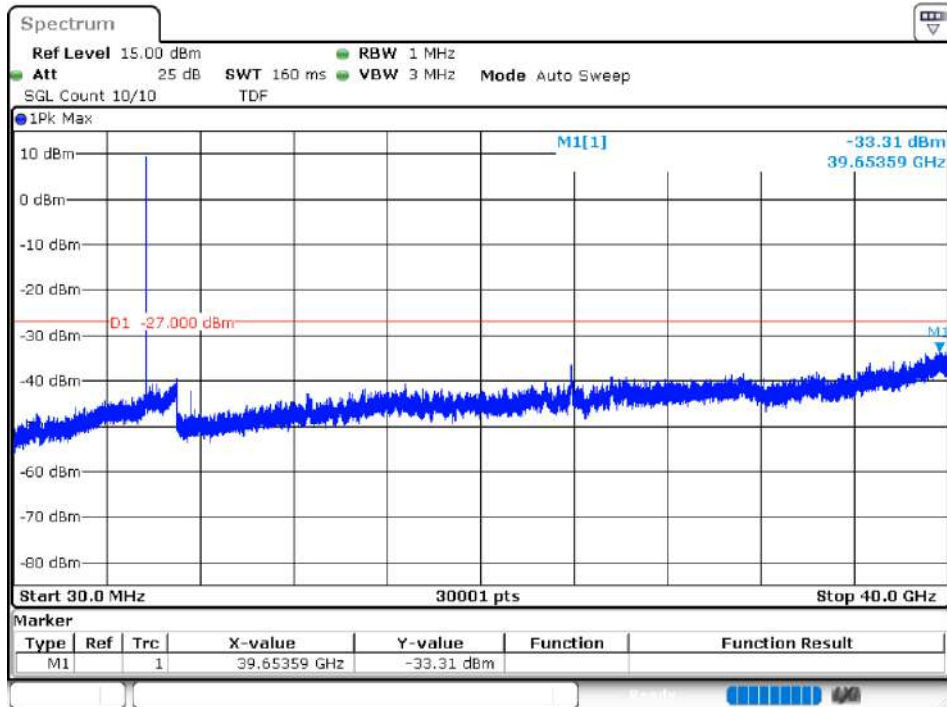
## Tx. Spurious NVNT a 5500MHz Ant1 Emission



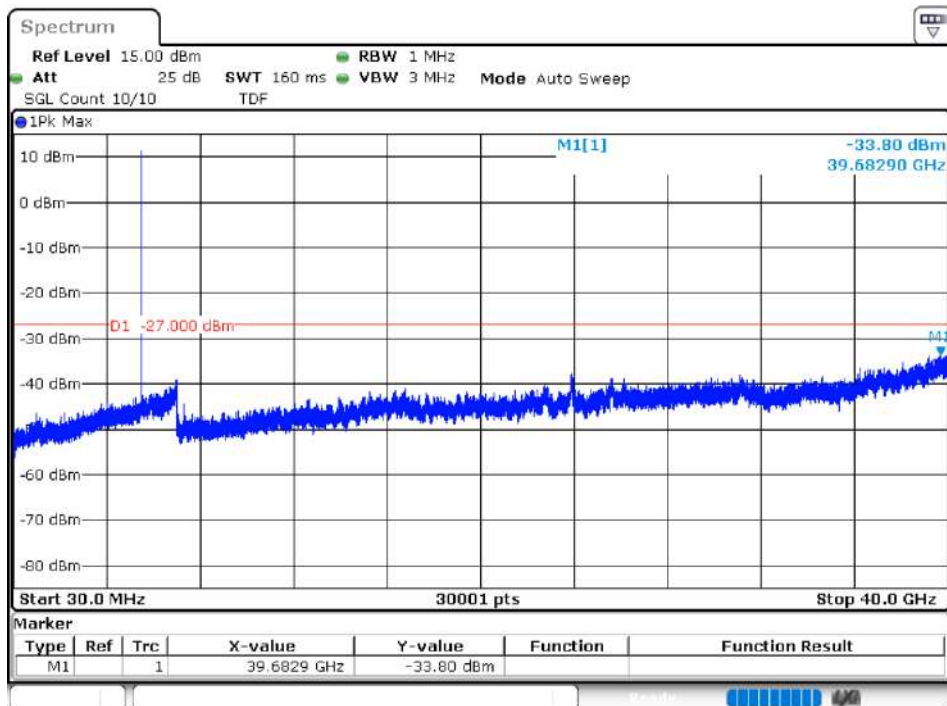
## Tx. Spurious NVNT a 5580MHz Ant1 Emission



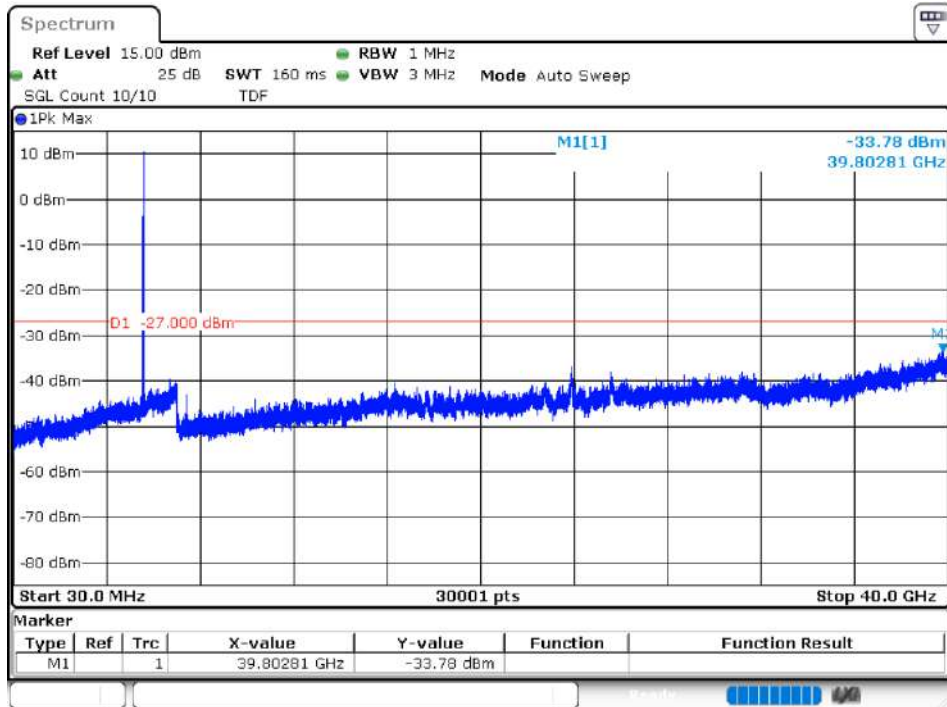
Tx. Spurious NVNT a 5700MHz Ant1 Emission



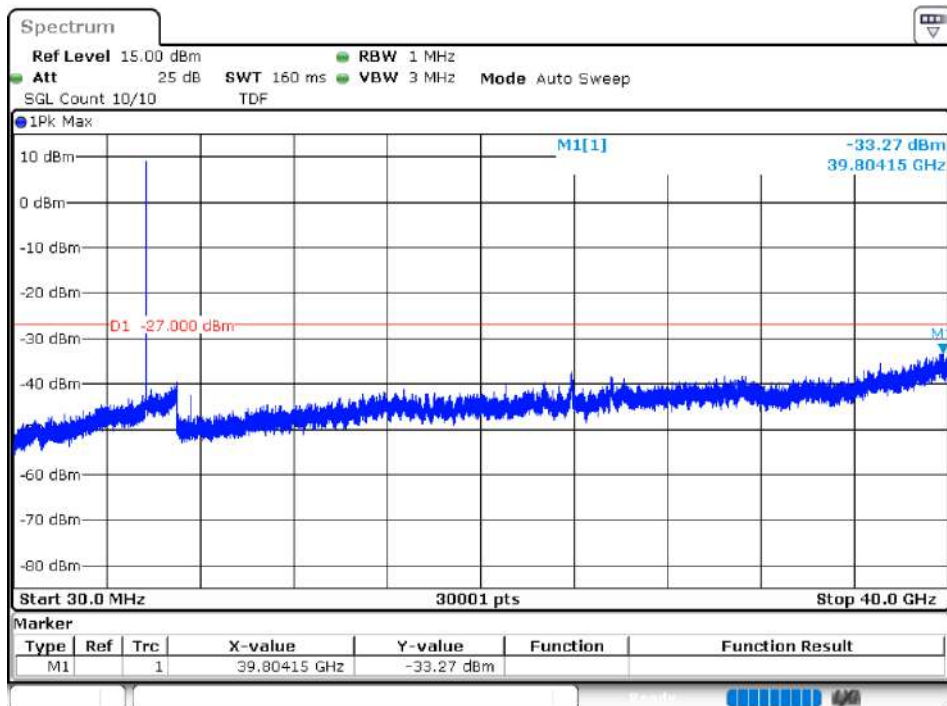
Tx. Spurious NVNT n20 5500MHz Ant1 Emission



Tx. Spurious NVNT n20 5580MHz Ant1 Emission



Tx. Spurious NVNT n20 5700MHz Ant1 Emission



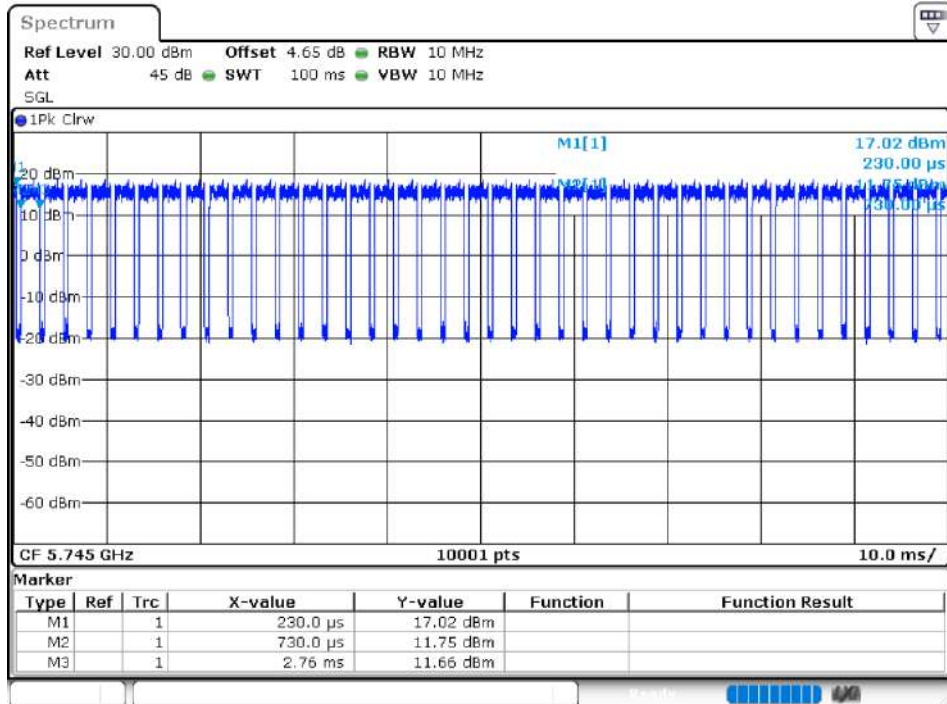
# WIFI 5.8G

## Duty Cycle

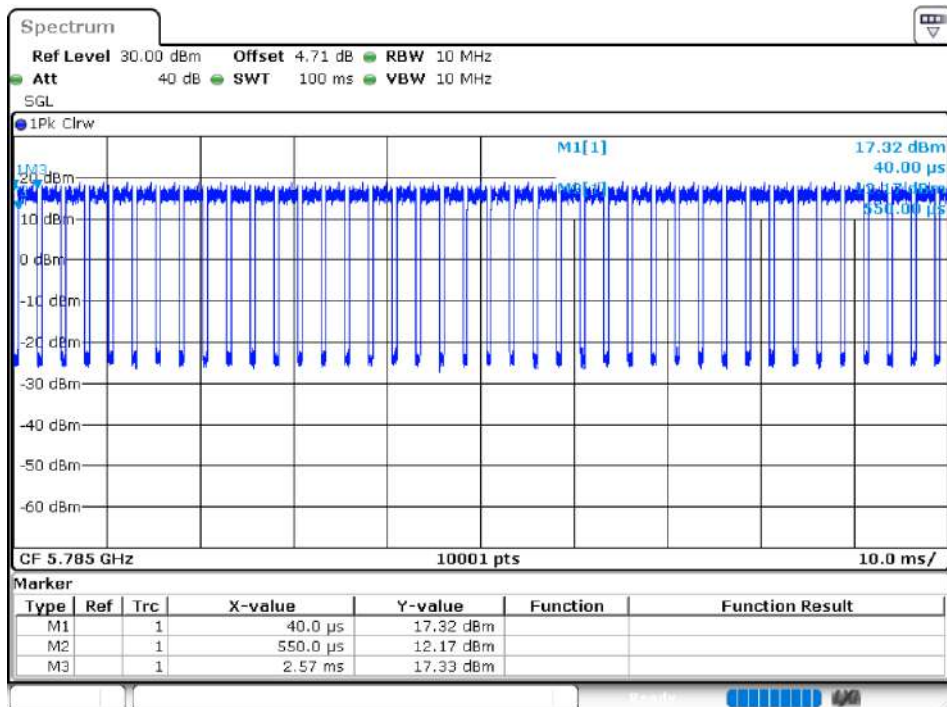
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5745            | Ant1    | 80.32          | 0.95                   | 0.49      |
| NVNT      | a    | 5785            | Ant1    | 80.3           | 0.95                   | 0.5       |
| NVNT      | a    | 5825            | Ant1    | 80.75          | 0.93                   | 0.49      |
| NVNT      | n20  | 5745            | Ant1    | 79.68          | 0.99                   | 0.53      |
| NVNT      | n20  | 5785            | Ant1    | 79.31          | 1.01                   | 0.53      |
| NVNT      | n20  | 5825            | Ant1    | 79.32          | 1.01                   | 0.53      |

Test Graphs

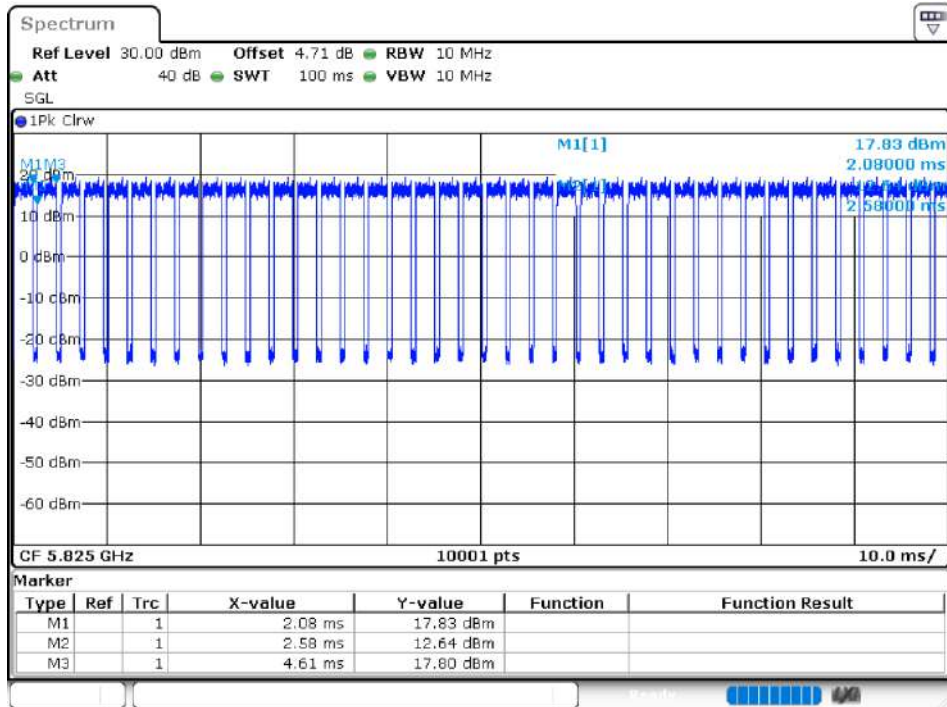
Duty Cycle NVNT a 5745MHz Ant1



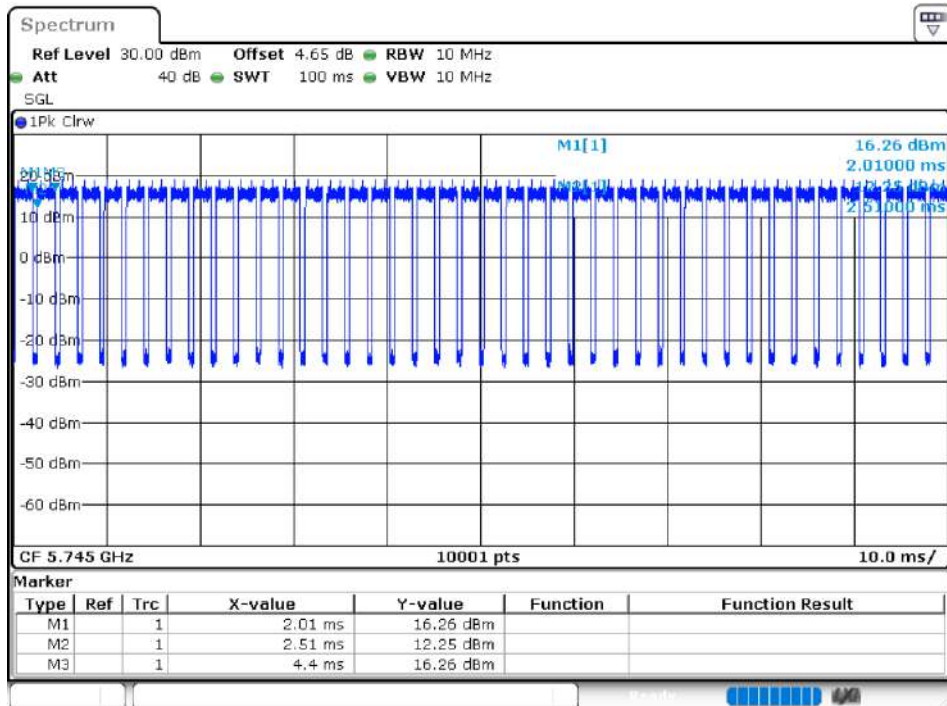
Duty Cycle NVNT a 5785MHz Ant1



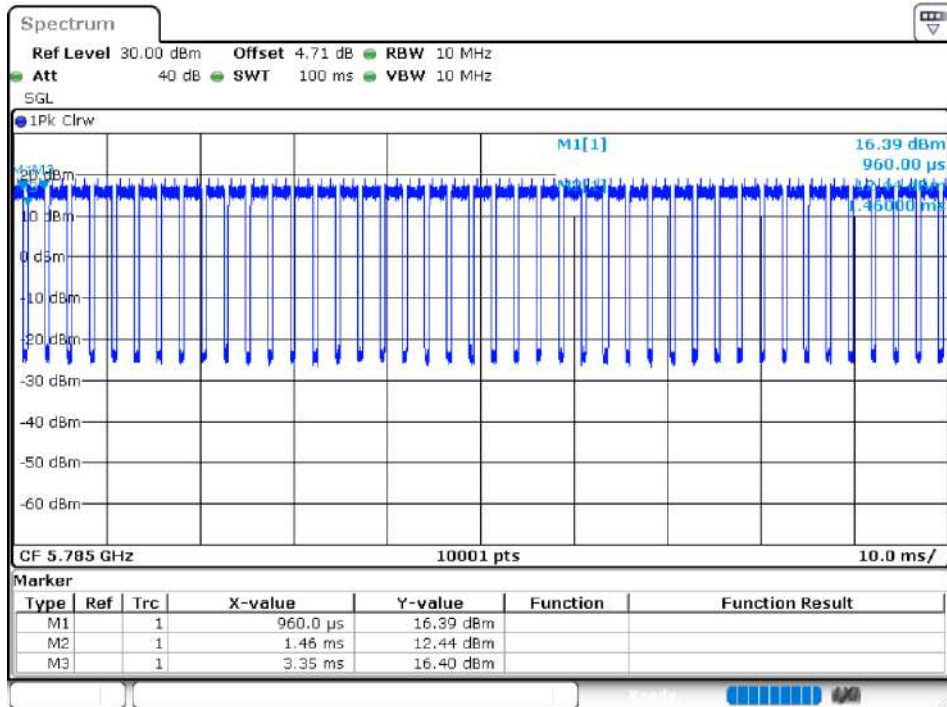
Duty Cycle NVNT a 5825MHz Ant1



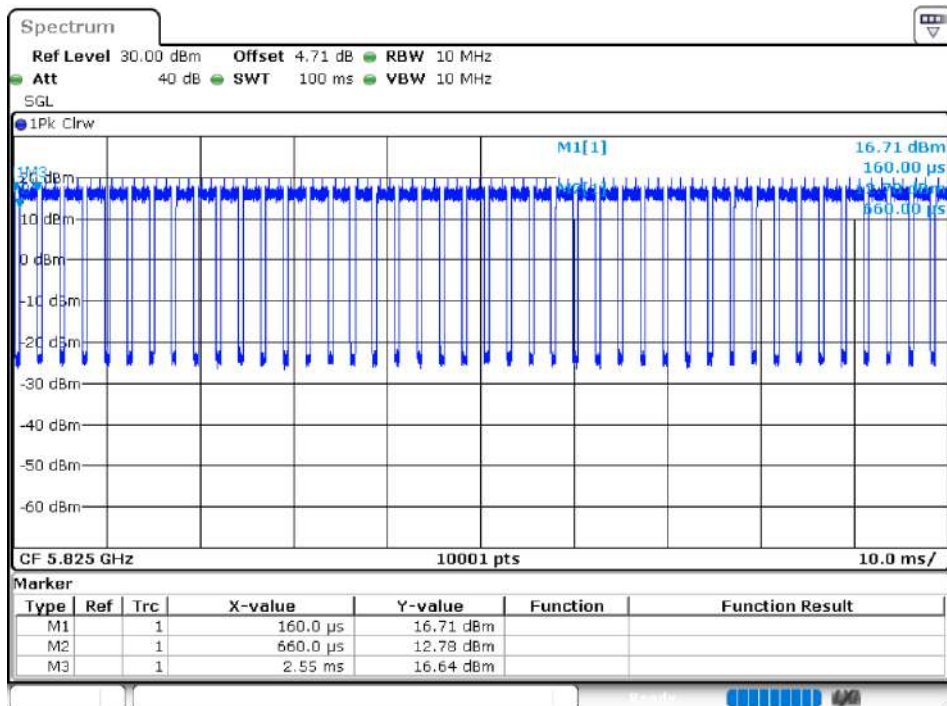
Duty Cycle NVNT n20 5745MHz Ant1



Duty Cycle NVNT n20 5785MHz Ant1



Duty Cycle NVNT n20 5825MHz Ant1



## Maximum Conducted Output Power

| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted AVG Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|------------------------------|----------------|---------|
| NVNT      | a    | 5745               | Ant1    | 11.34                        | 30             | Pass    |
| NVNT      | a    | 5785               | Ant1    | 10.96                        | 30             | Pass    |
| NVNT      | a    | 5825               | Ant1    | 11.43                        | 30             | Pass    |
| NVNT      | n20  | 5745               | Ant1    | 11.2                         | 30             | Pass    |
| NVNT      | n20  | 5785               | Ant1    | 11.09                        | 30             | Pass    |
| NVNT      | n20  | 5825               | Ant1    | 11.16                        | 30             | Pass    |

Note:

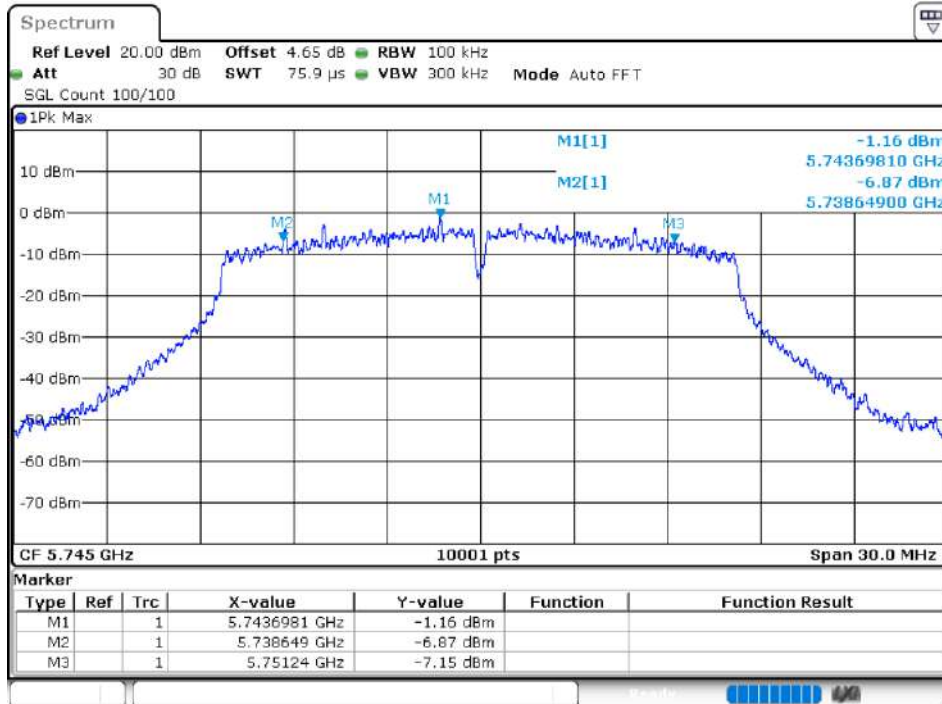
1. The conducted average power contains duty cycle factor.

## -6dB Bandwidth

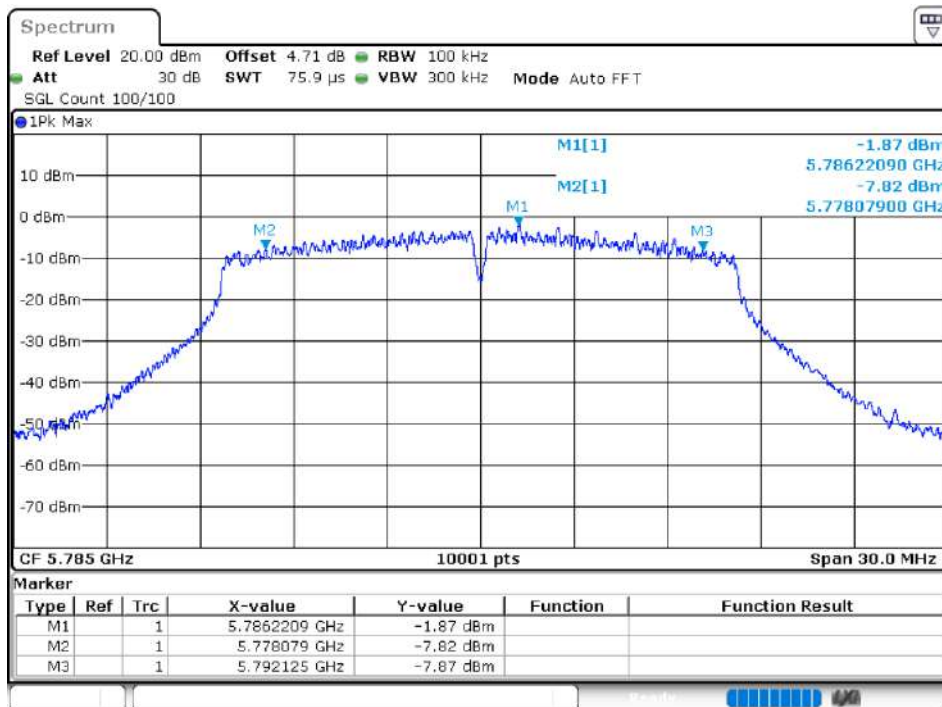
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | a    | 5745            | Ant1    | 12.591                | 0.5                         | Pass    |
| NVNT      | a    | 5785            | Ant1    | 14.046                | 0.5                         | Pass    |
| NVNT      | a    | 5825            | Ant1    | 15.882                | 0.5                         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 16.287                | 0.5                         | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 11.091                | 0.5                         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 15.384                | 0.5                         | Pass    |

Test Graphs

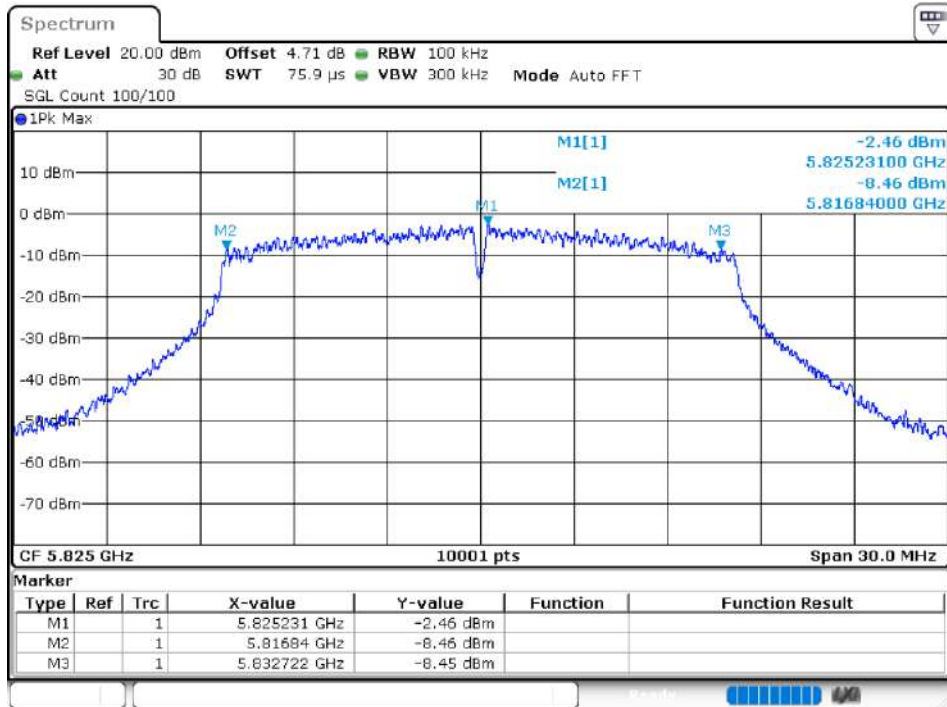
-6dB Bandwidth NVNT a 5745MHz Ant1



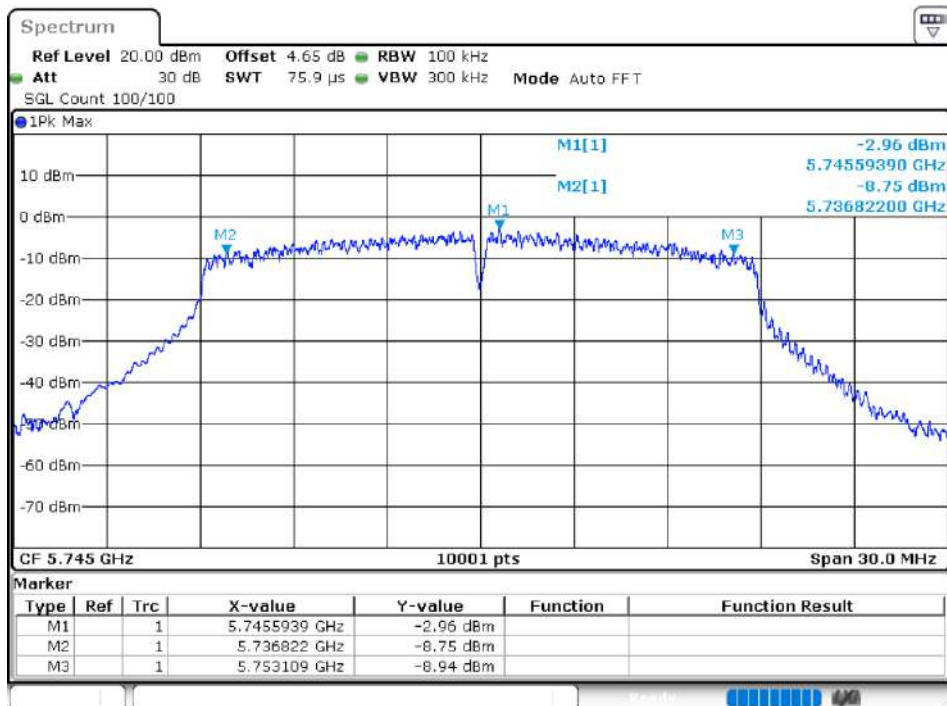
-6dB Bandwidth NVNT a 5785MHz Ant1



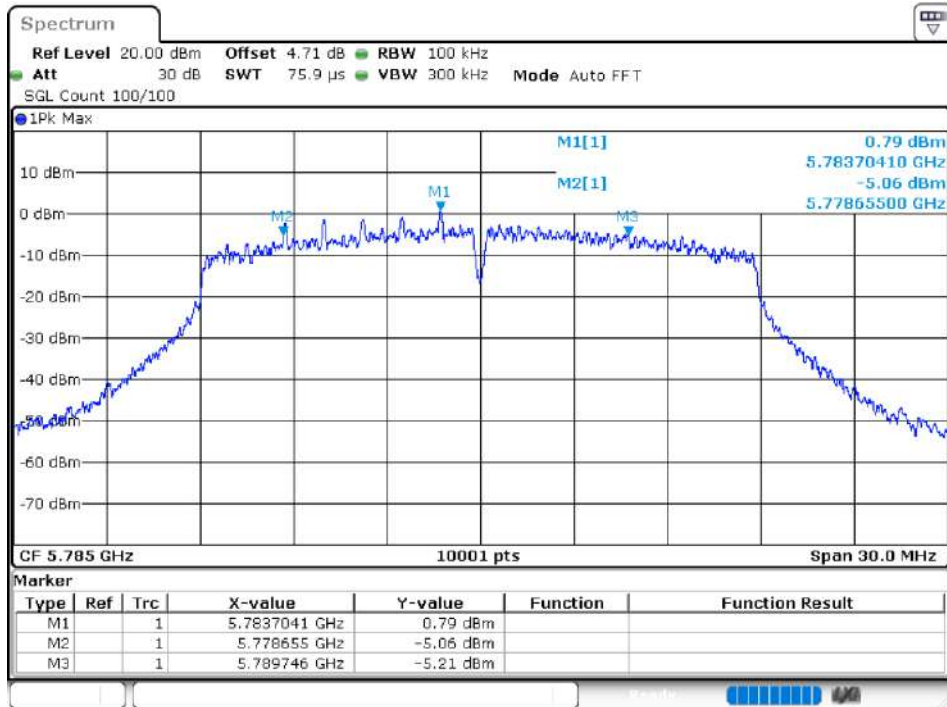
-6dB Bandwidth NVNT a 5825MHz Ant1



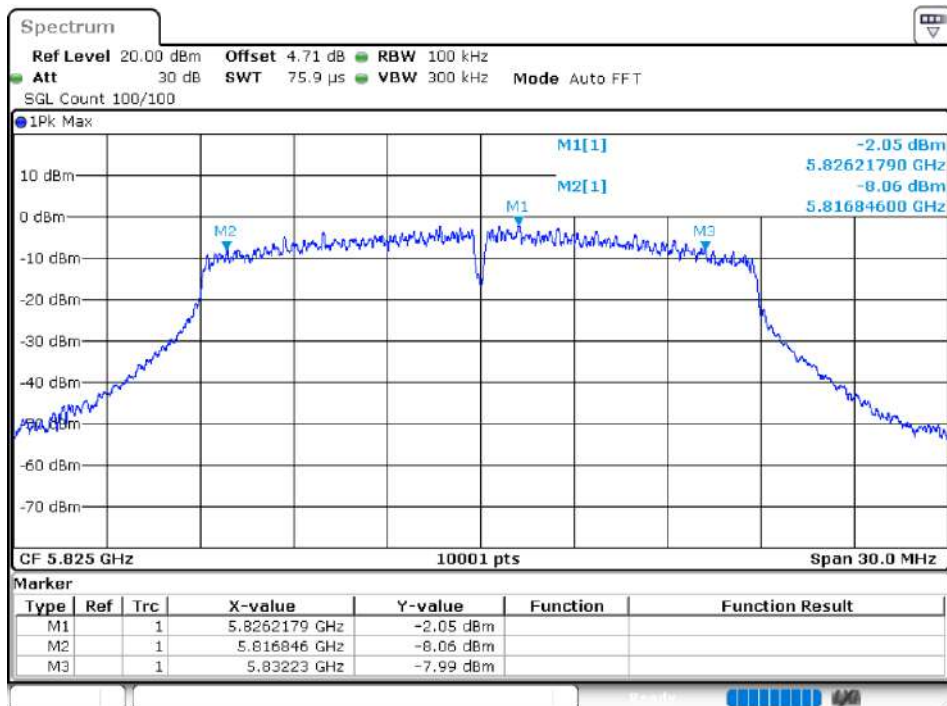
-6dB Bandwidth NVNT n20 5745MHz Ant1



-6dB Bandwidth NVNT n20 5785MHz Ant1



-6dB Bandwidth NVNT n20 5825MHz Ant1

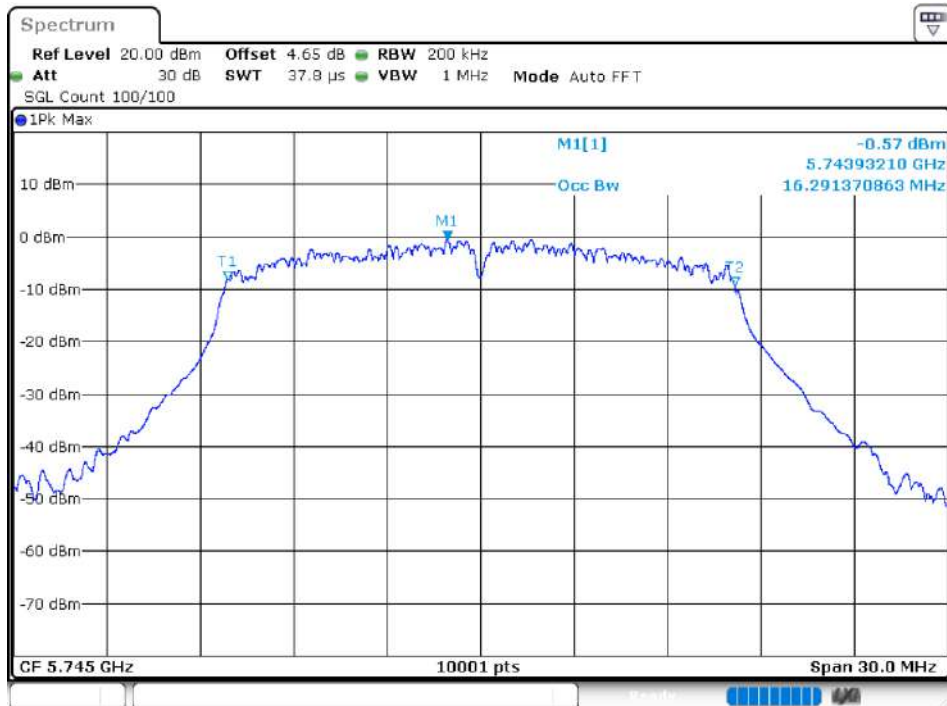


## Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5745            | Ant1    | 16.291        |
| NVNT      | a    | 5785            | Ant1    | 16.231        |
| NVNT      | a    | 5825            | Ant1    | 16.234        |
| NVNT      | n20  | 5745            | Ant1    | 17.335        |
| NVNT      | n20  | 5785            | Ant1    | 17.326        |
| NVNT      | n20  | 5825            | Ant1    | 17.29         |

Test Graphs

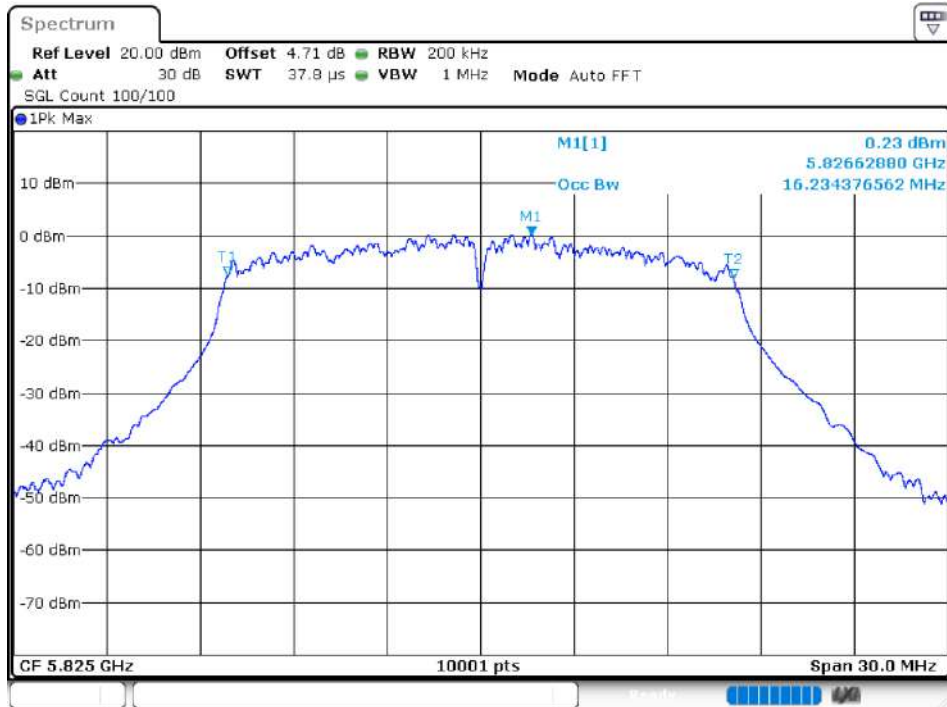
OBW NVNT a 5745MHz Ant1



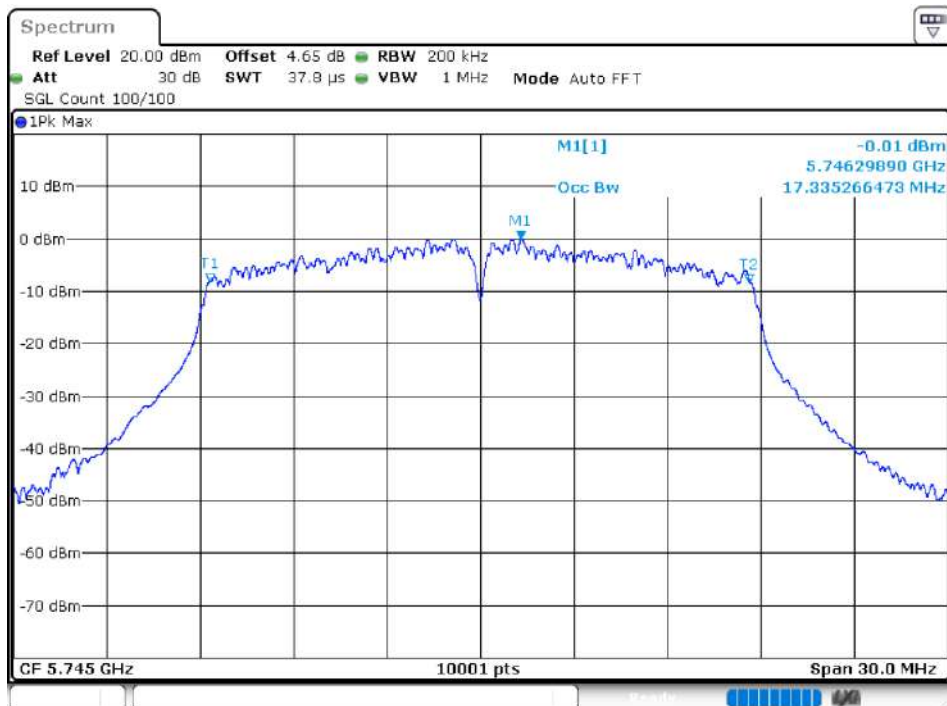
OBW NVNT a 5785MHz Ant1



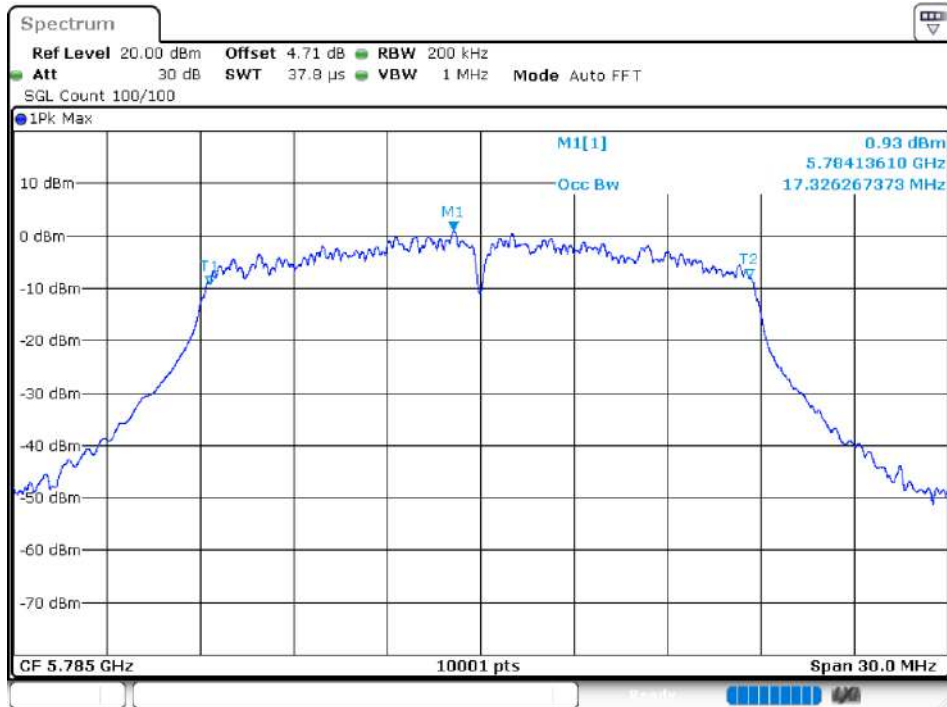
OBW NVNT a 5825MHz Ant1



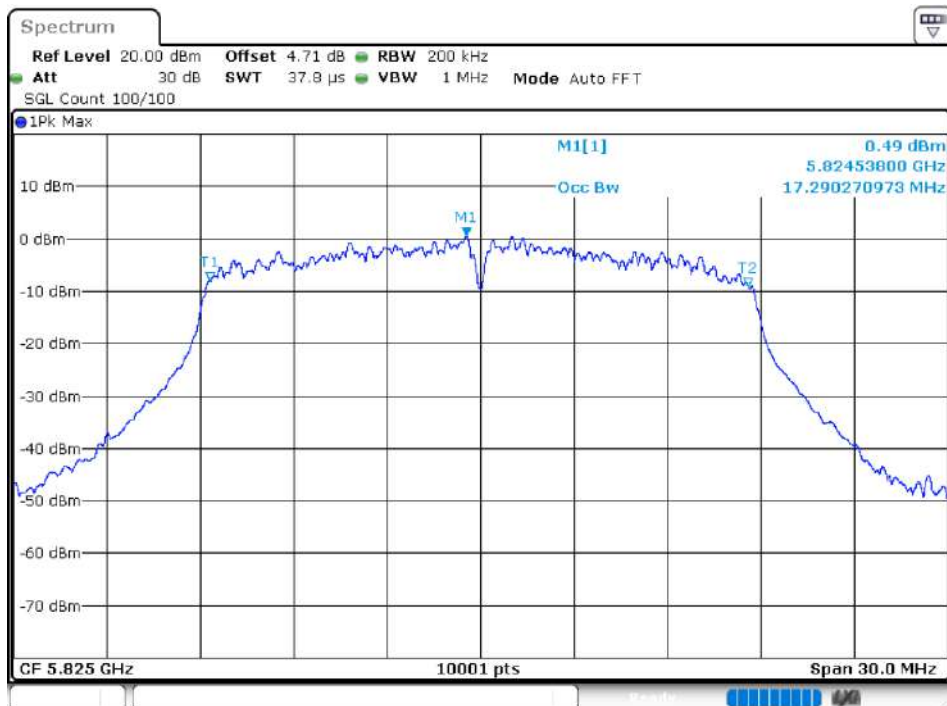
OBW NVNT n20 5745MHz Ant1



OBW NVNT n20 5785MHz Ant1



OBW NVNT n20 5825MHz Ant1

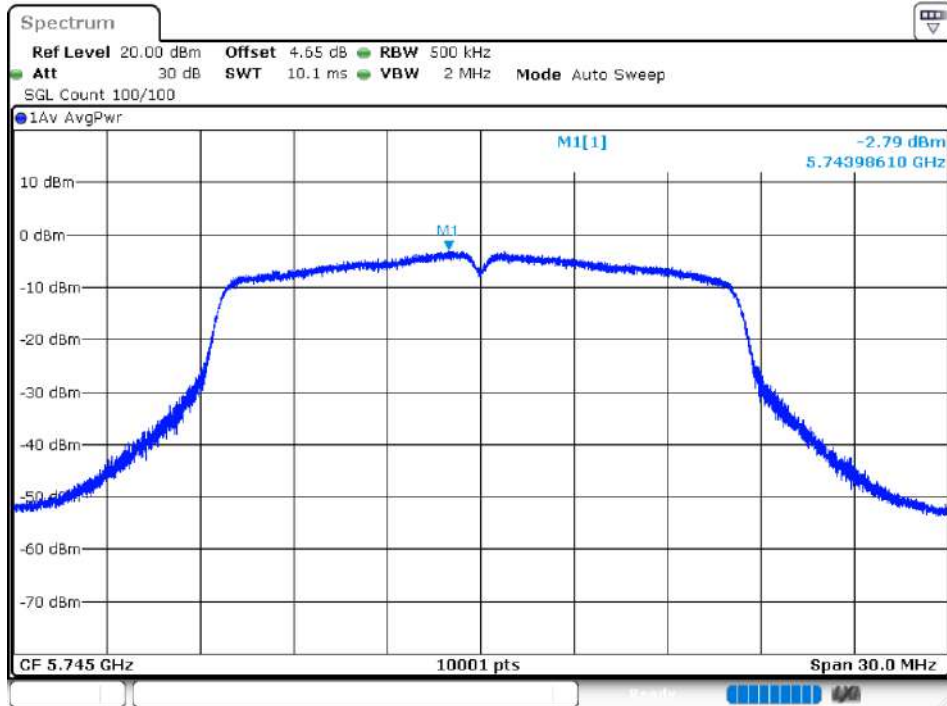


## Maximum Power Spectral Density Level

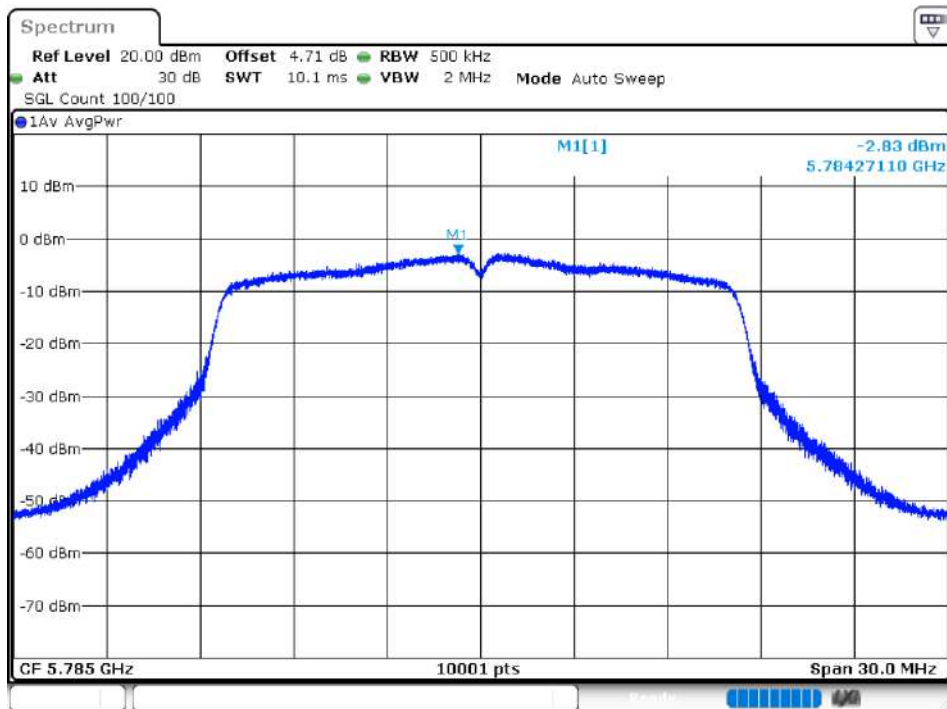
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/500kHz) | Duty Factor (dB) | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Verdict |
|-----------|------|-----------------|---------|----------------------------|------------------|------------------------|--------------------|---------|
| NVNT      | a    | 5745            | Ant1    | -2.79                      | 0.95             | -1.84                  | 30                 | Pass    |
| NVNT      | a    | 5785            | Ant1    | -2.83                      | 0.95             | -1.88                  | 30                 | Pass    |
| NVNT      | a    | 5825            | Ant1    | -2.19                      | 0.93             | -1.26                  | 30                 | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -3.35                      | 0.99             | -2.36                  | 30                 | Pass    |
| NVNT      | n20  | 5785            | Ant1    | -2.71                      | 1.01             | -1.7                   | 30                 | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -2.64                      | 1.01             | -1.63                  | 30                 | Pass    |

Test Graphs

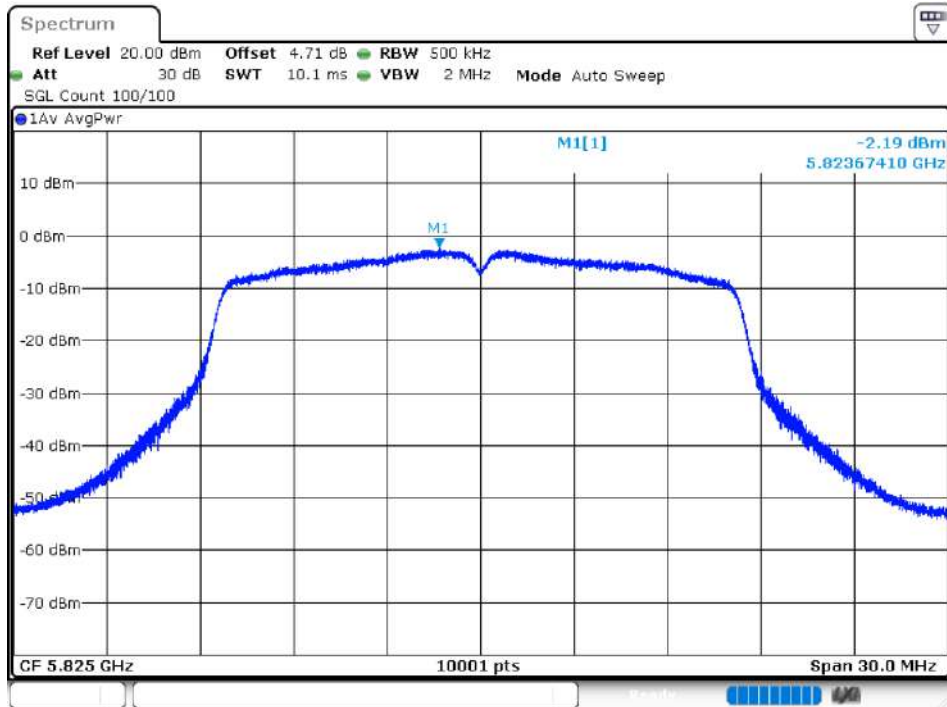
PSD NVNT a 5745MHz Ant1



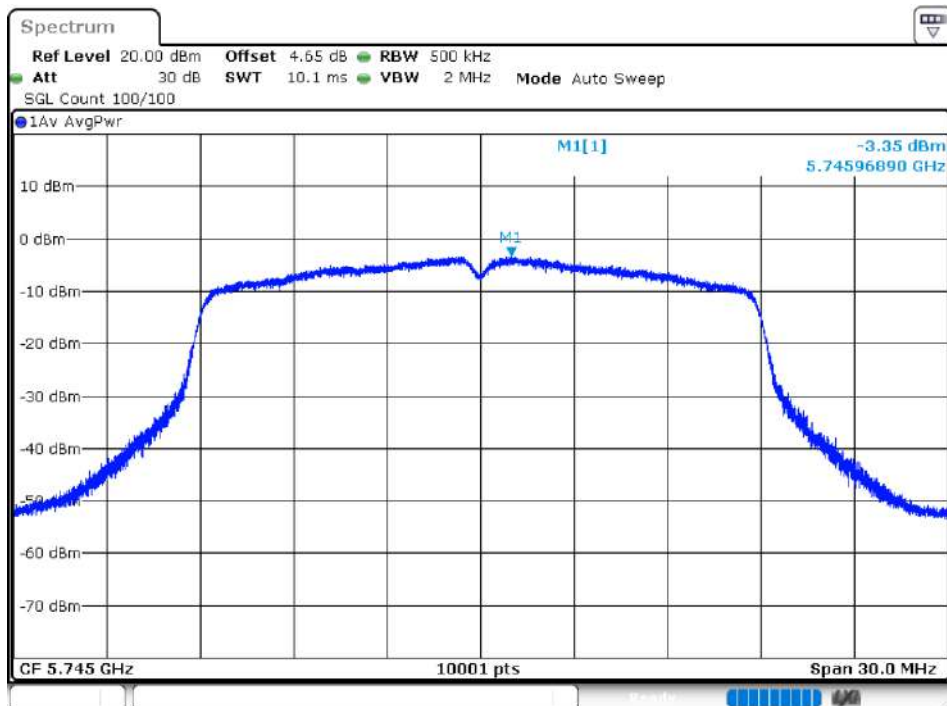
PSD NVNT a 5785MHz Ant1

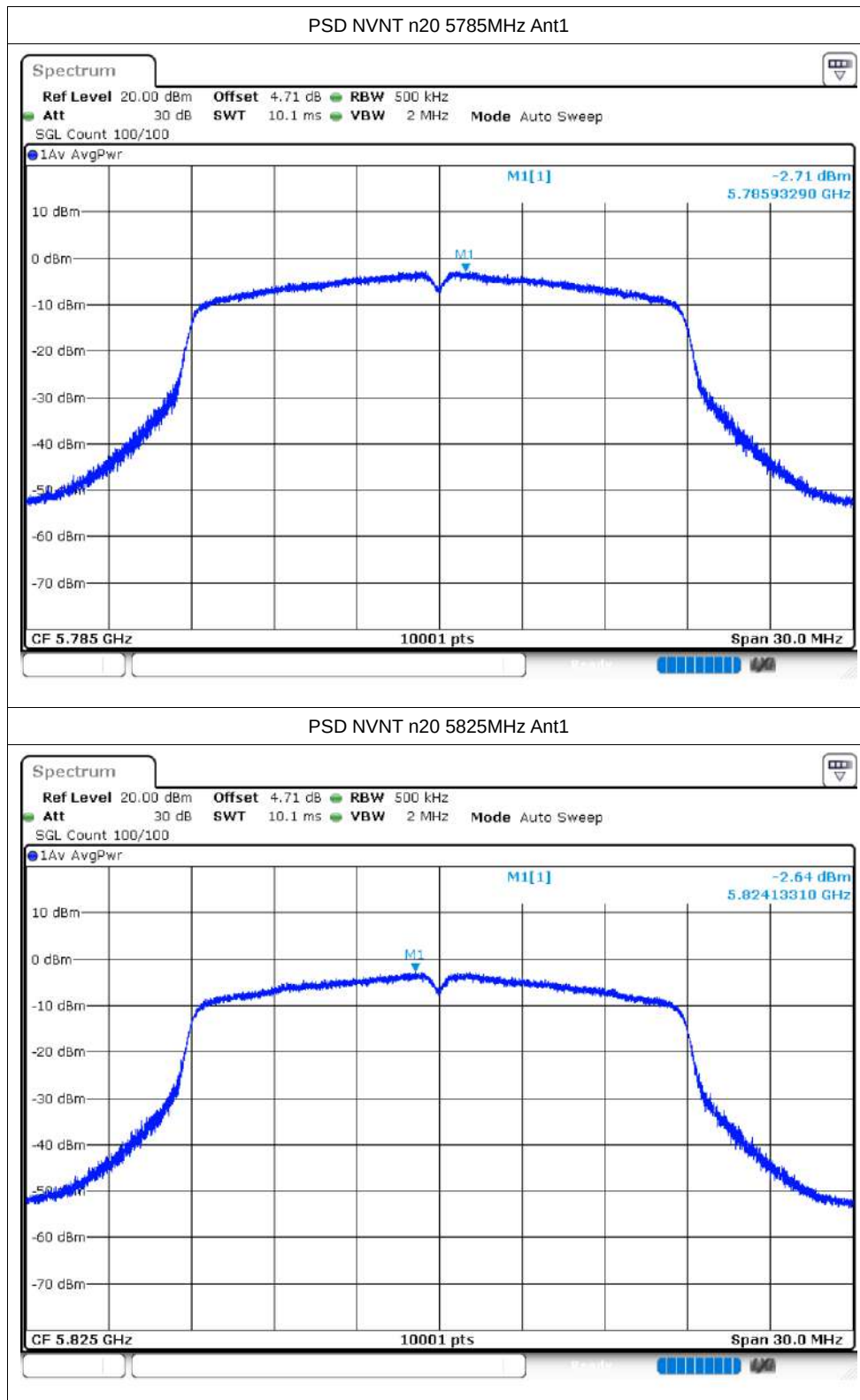


PSD NVNT a 5825MHz Ant1



PSD NVNT n20 5745MHz Ant1



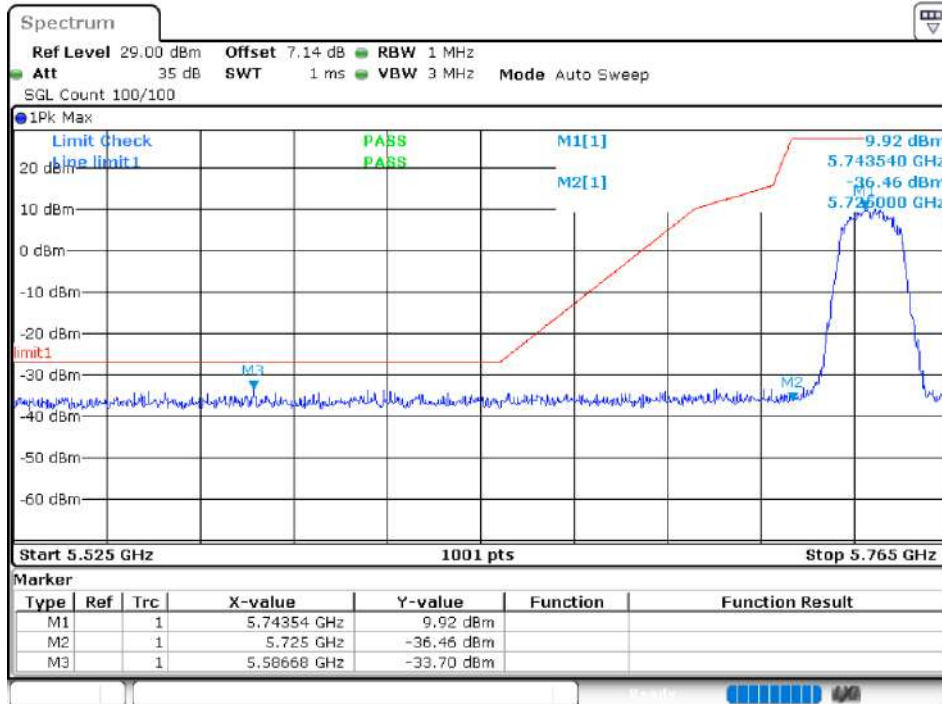


## Band Edge

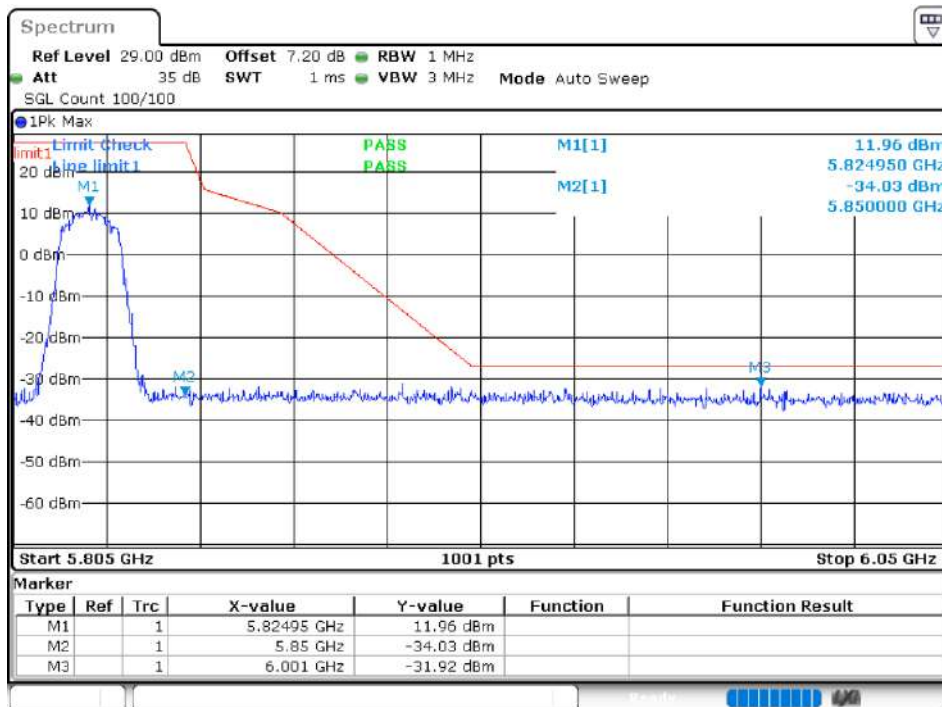
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | -33.69          | -27         | Pass    |
| NVNT      | a    | 5825            | Ant1    | -31.92          | -27         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -33.61          | -27         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -31.89          | -27         | Pass    |

Test Graphs

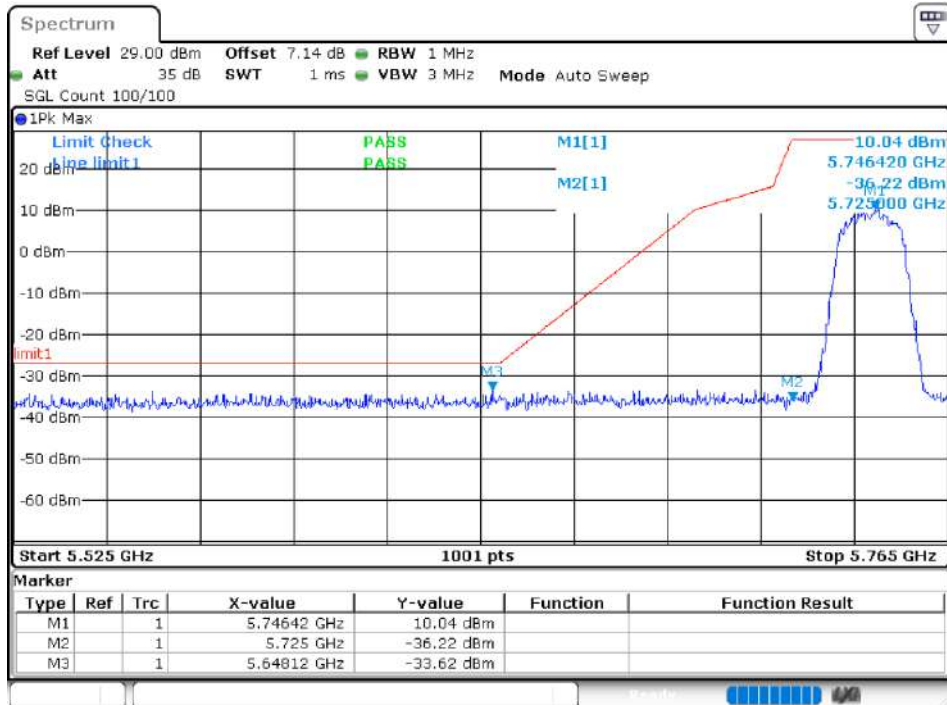
Band Edge NVNT a 5745MHz Low Ant1



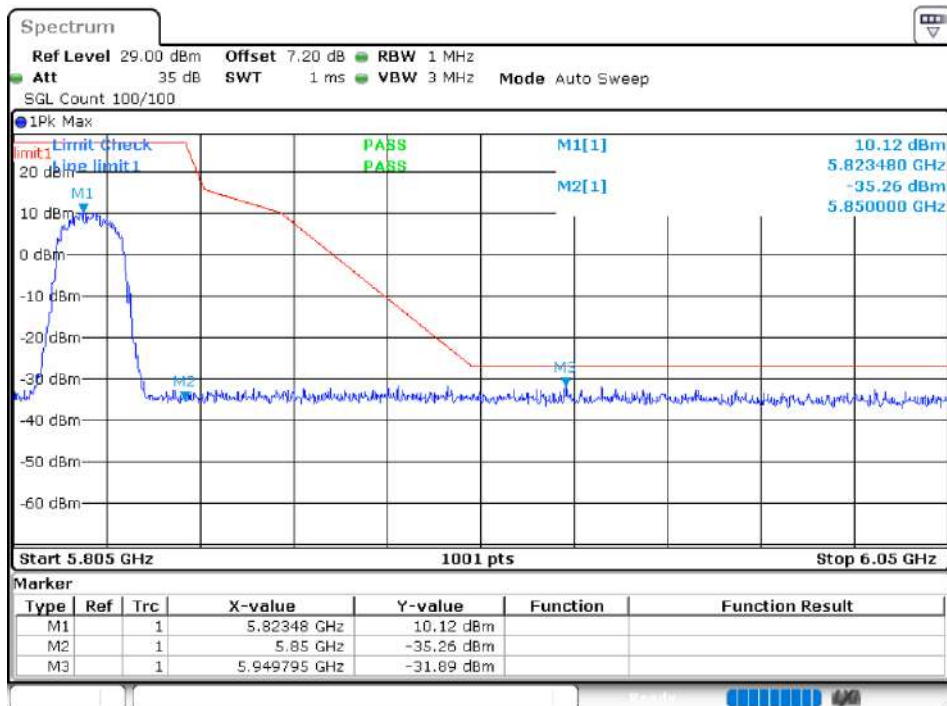
Band Edge NVNT a 5825MHz High Ant1



Band Edge NVNT n20 5745MHz Low Ant1



Band Edge NVNT n20 5825MHz High Ant1

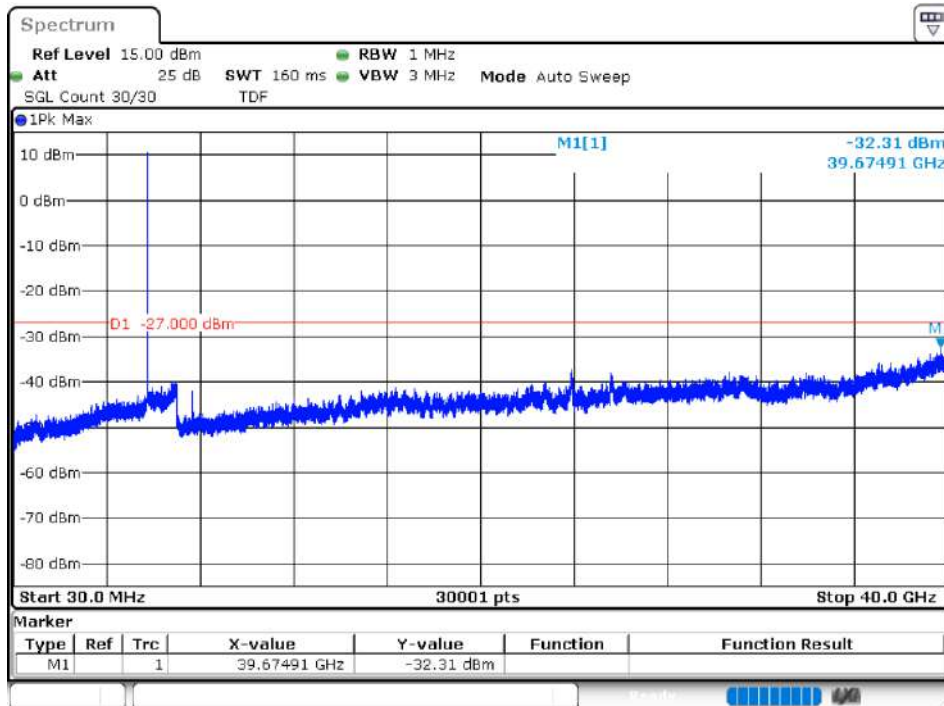


## Conducted RF Spurious Emission

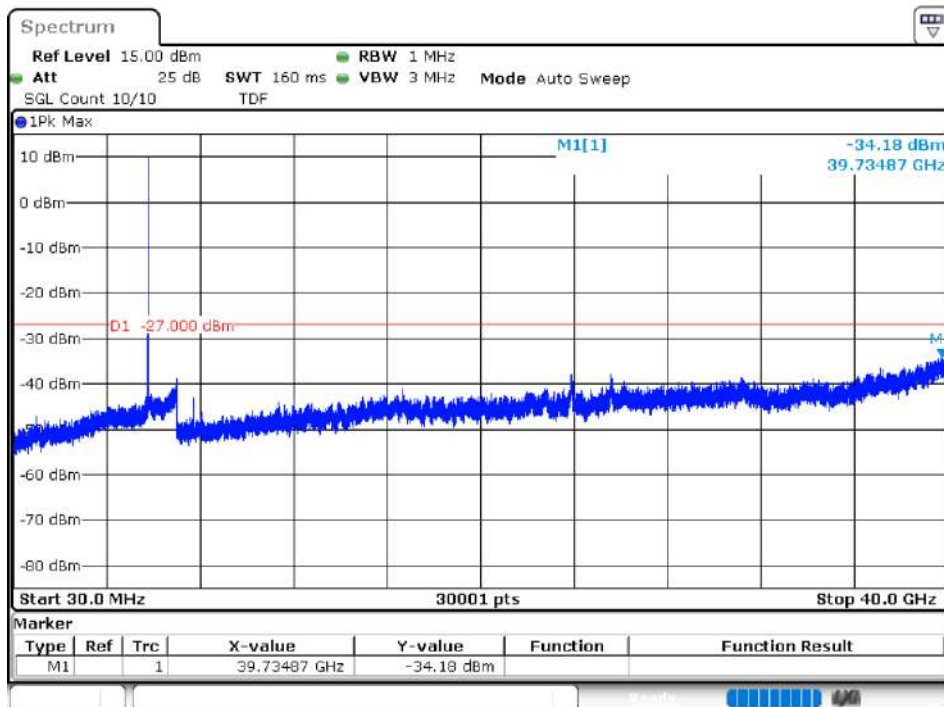
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | -32.31          | -27         | Pass    |
| NVNT      | a    | 5785            | Ant1    | -34.17          | -27         | Pass    |
| NVNT      | a    | 5825            | Ant1    | -33.41          | -27         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -33.61          | -27         | Pass    |
| NVNT      | n20  | 5785            | Ant1    | -34.17          | -27         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -33.86          | -27         | Pass    |

# Test Graphs

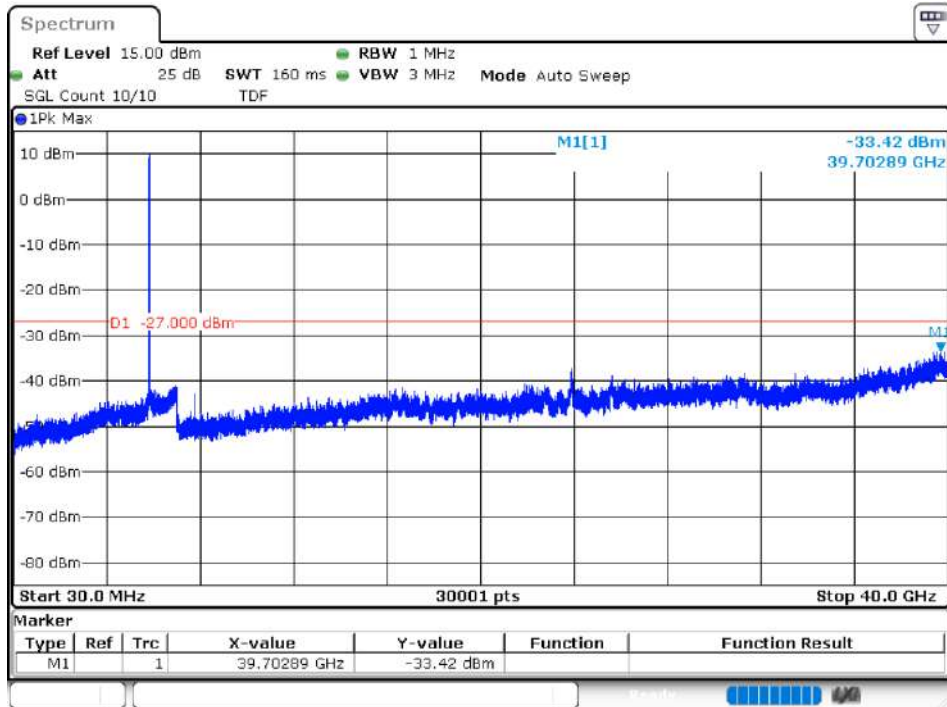
## Tx. Spurious NVNT a 5745MHz Ant1 Emission



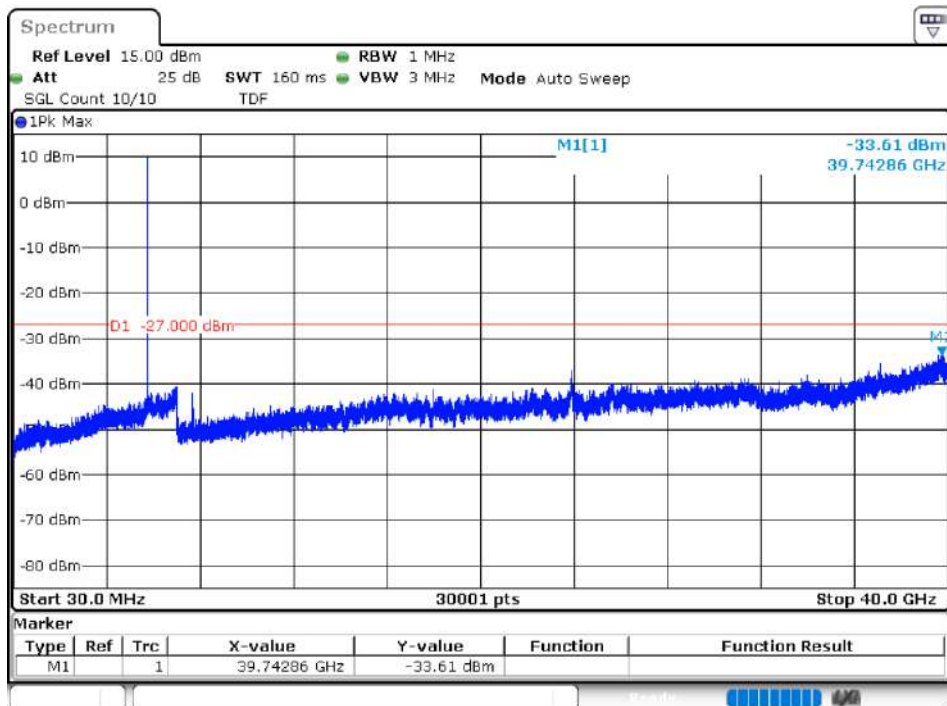
## Tx. Spurious NVNT a 5785MHz Ant1 Emission



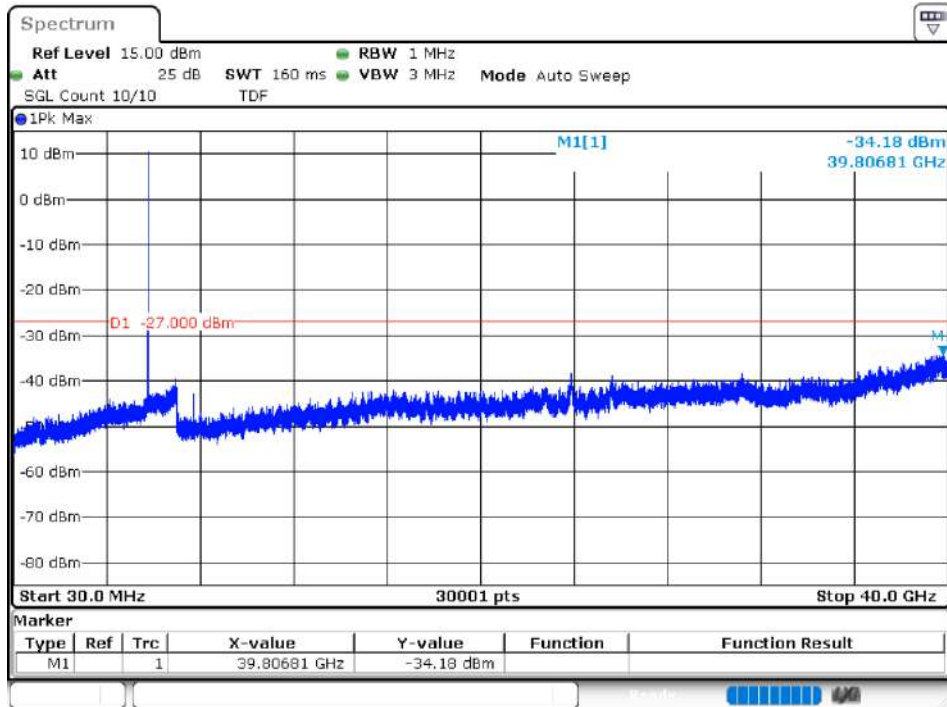
Tx. Spurious NVNT a 5825MHz Ant1 Emission



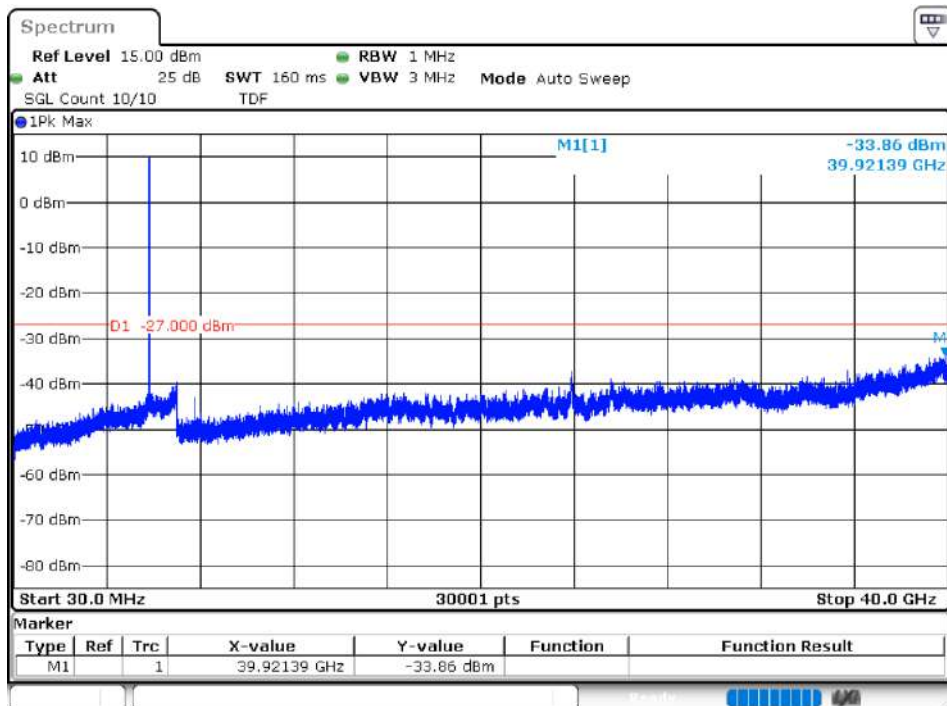
Tx. Spurious NVNT n20 5745MHz Ant1 Emission



Tx. Spurious NVNT n20 5785MHz Ant1 Emission



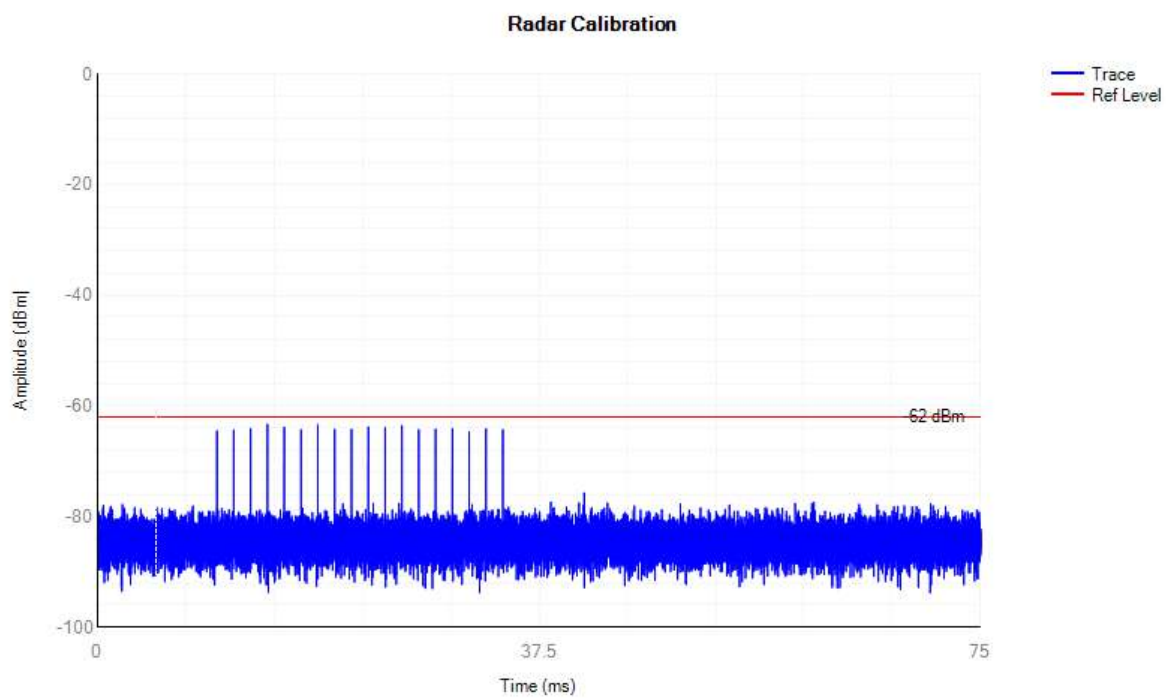
Tx. Spurious NVNT n20 5825MHz Ant1 Emission



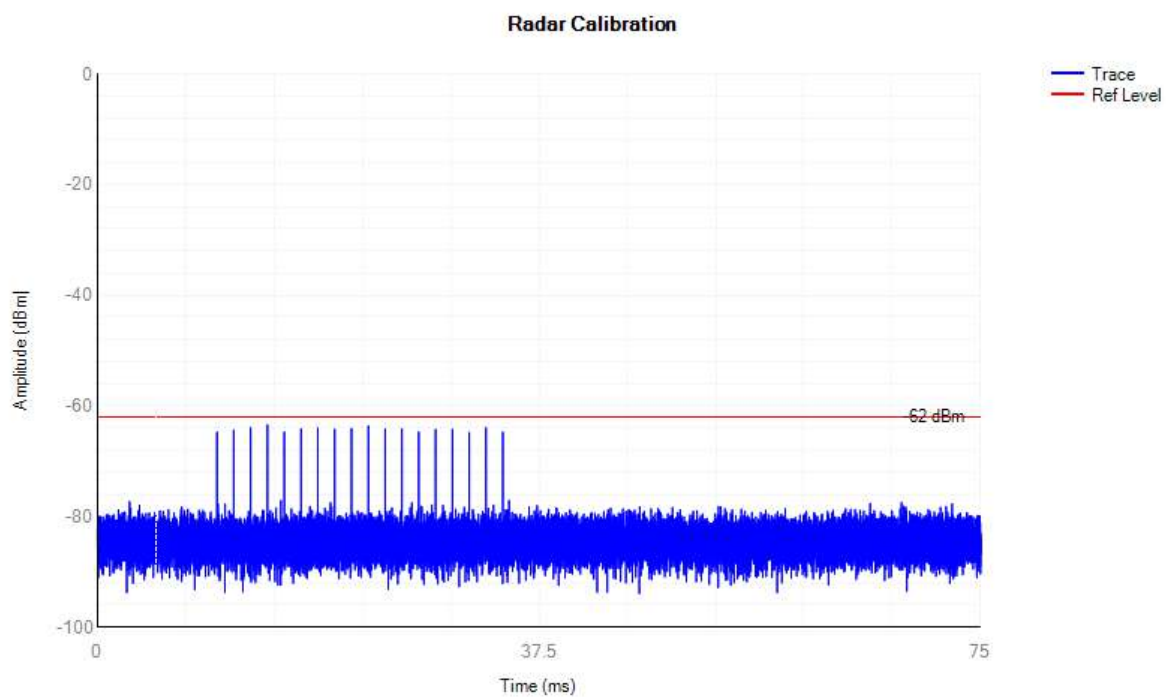
# DFS

## Calibration

5320MHz a DFS\_FCC\_T0

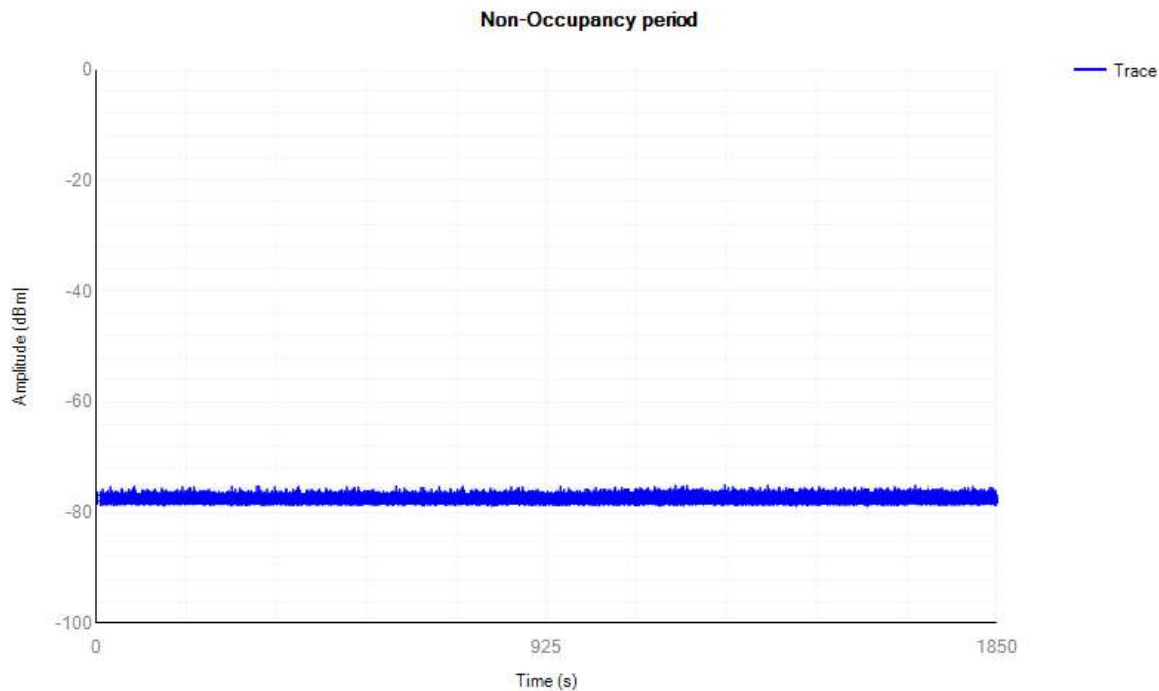


5500MHz a DFS\_FCC\_T0

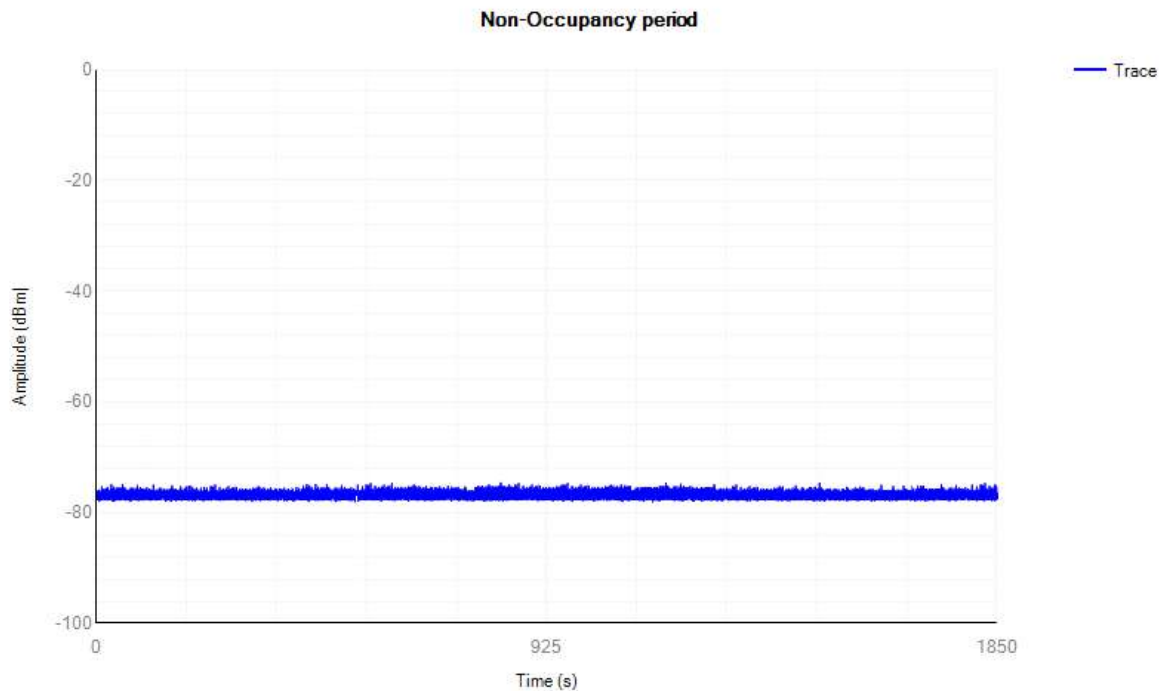


Non-Occupancy

5320MHz a Non-Occupancy



5500MHz a Non-Occupancy

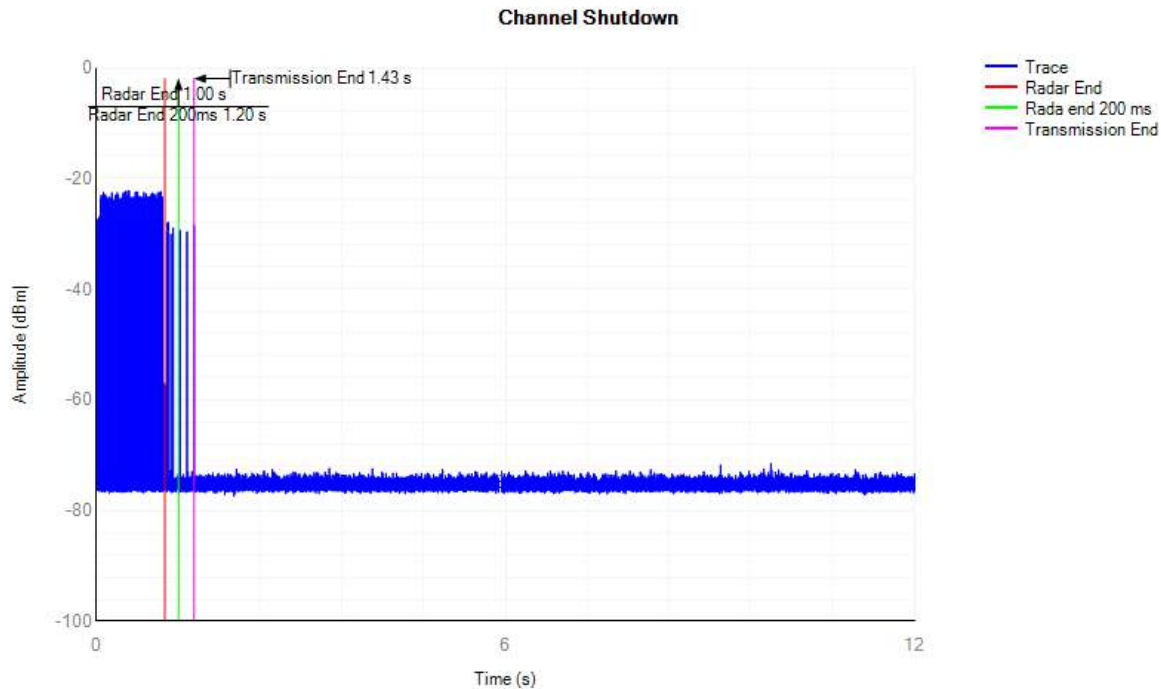


Shutdown Time

| Mode | Frequency<br>(MHz) | Channel<br>Move<br>Time (s) | Limit<br>Channel<br>Move Time<br>(s) | Close<br>Transmission<br>Time (s) | Limit Close<br>Transmission<br>Time (s) | Close<br>Transmission<br>Time after<br>200ms(s) | Limit Close<br>Transmission<br>Time after 200ms<br>(s) | Verdict |
|------|--------------------|-----------------------------|--------------------------------------|-----------------------------------|-----------------------------------------|-------------------------------------------------|--------------------------------------------------------|---------|
|      |                    |                             |                                      |                                   |                                         |                                                 |                                                        |         |

|   |      |        |    |        |      |        |      |      |
|---|------|--------|----|--------|------|--------|------|------|
| a | 5320 | 0.4284 | 10 | 0.0084 | 0.26 | 0.002  | 0.06 | Pass |
| a | 5500 | 0.514  | 10 | 0.0092 | 0.26 | 0.0024 | 0.06 | Pass |

5320MHz a Shutdown



5500MHz a Shutdown

