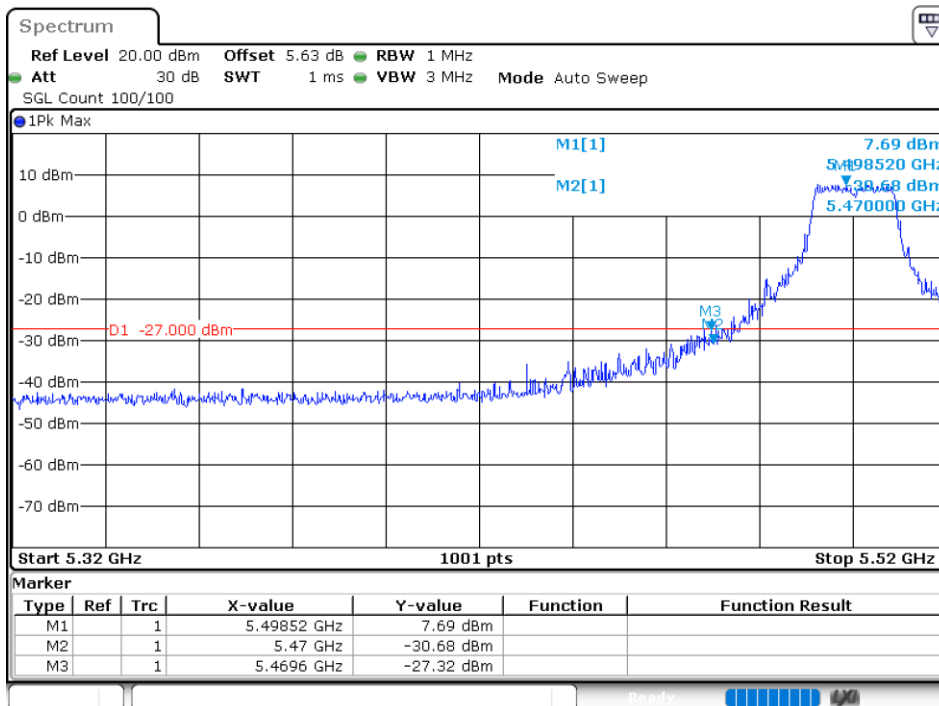
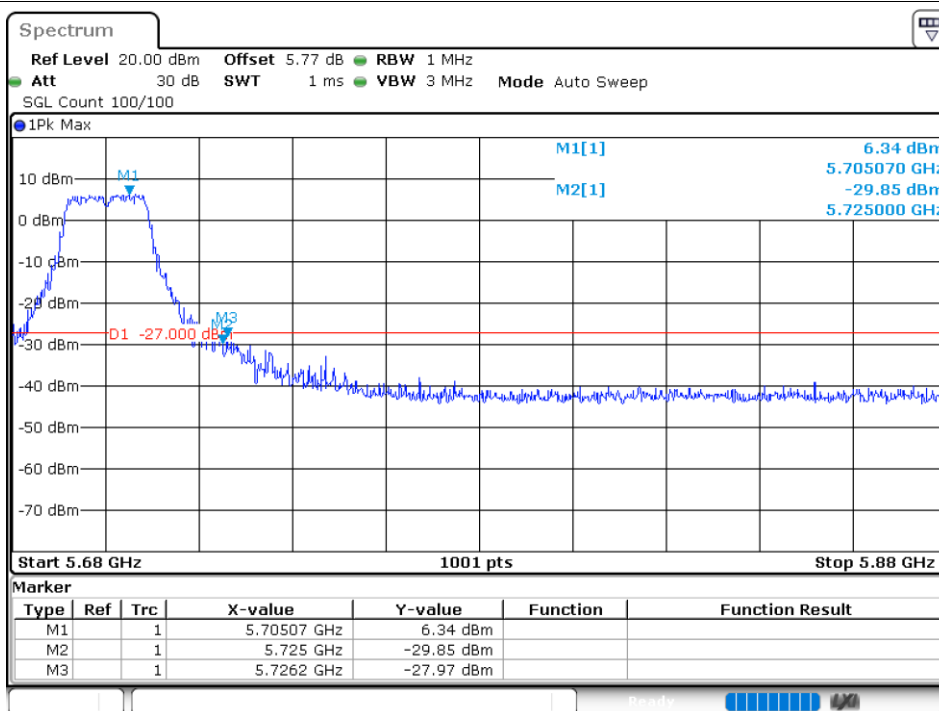


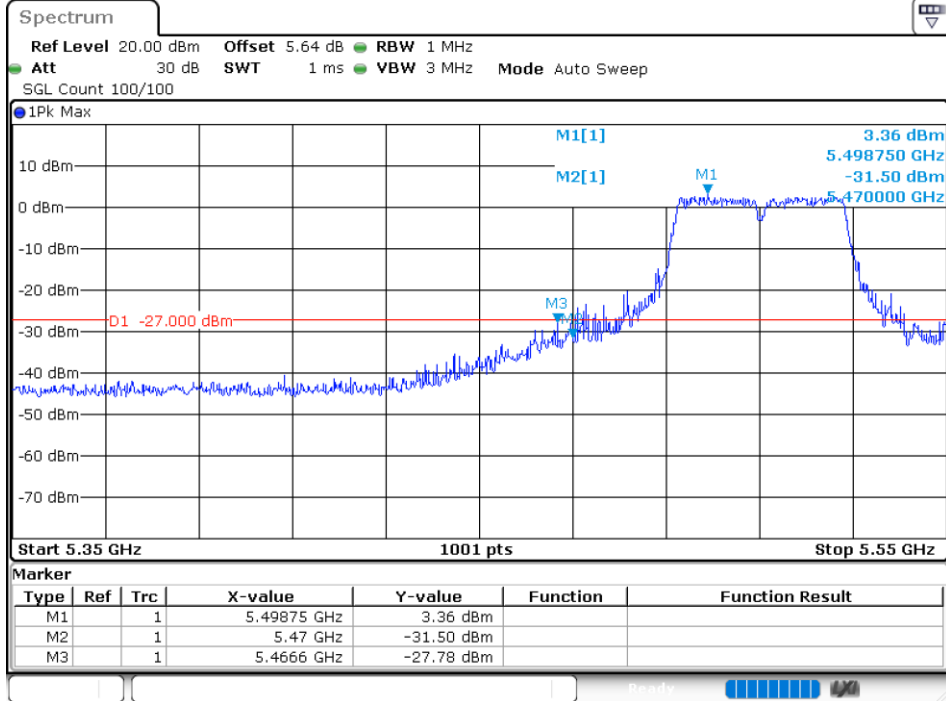
Band Edge NVNT n20 5500MHz Low Ant1



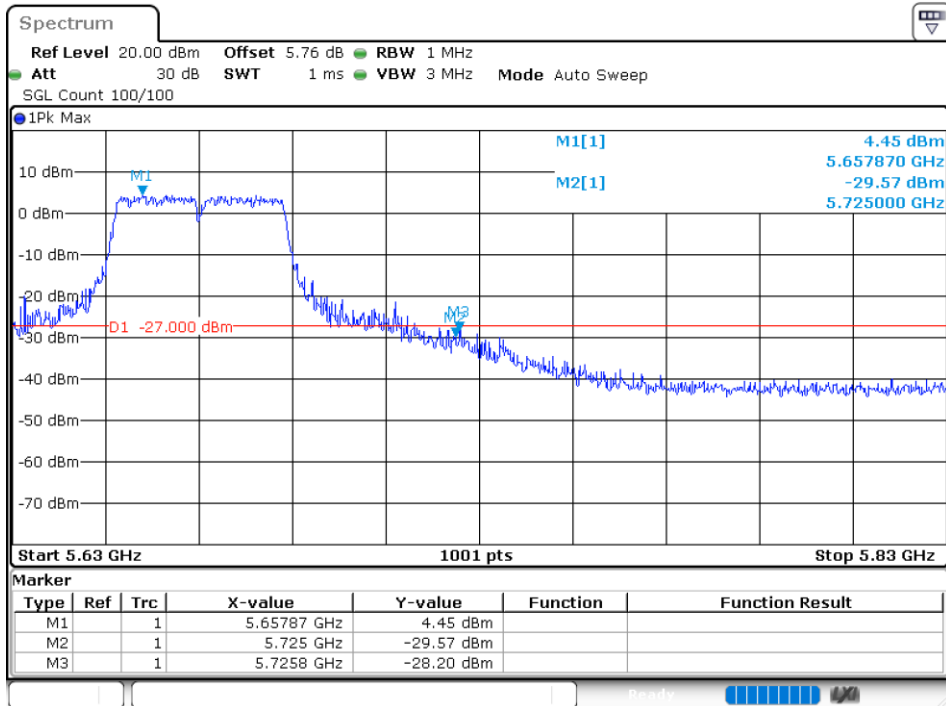
Band Edge NVNT n20 5700MHz High Ant1



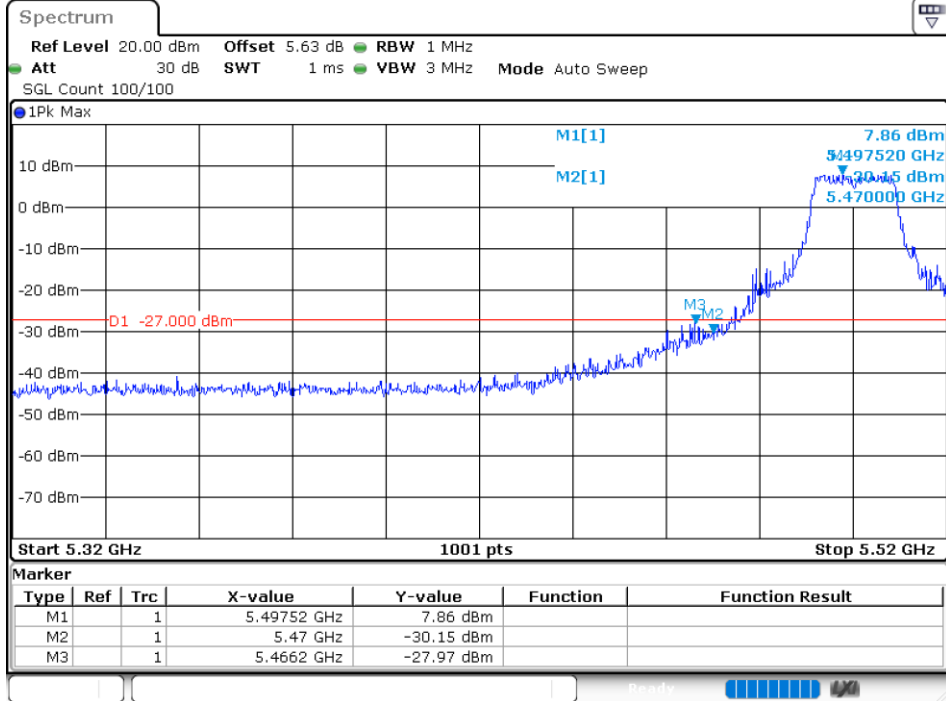
Band Edge NVNT n40 5510MHz Low Ant1



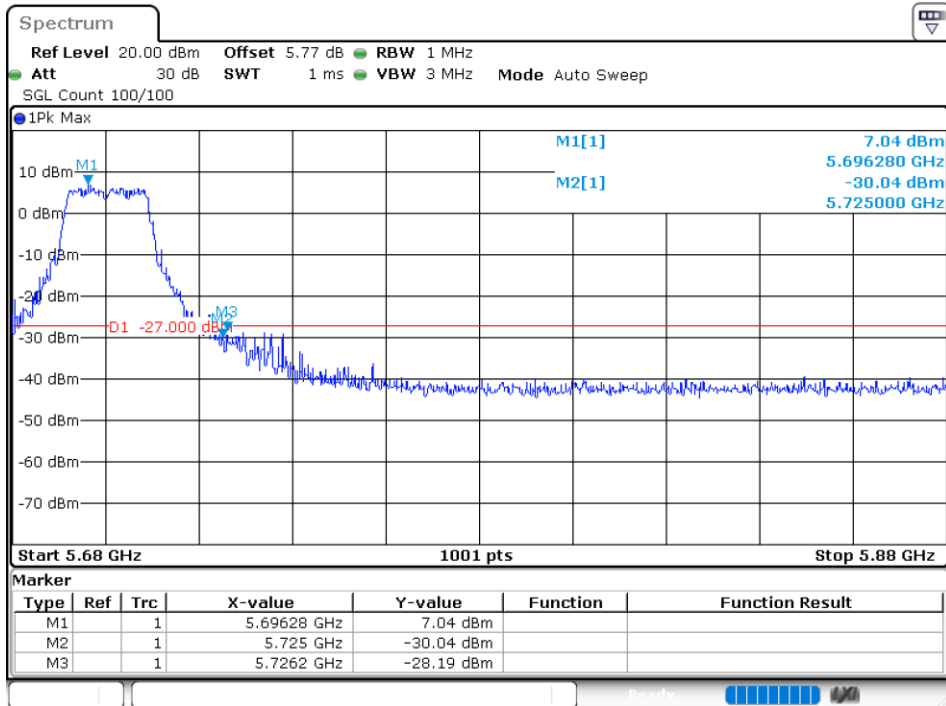
Band Edge NVNT n40 5670MHz High Ant1



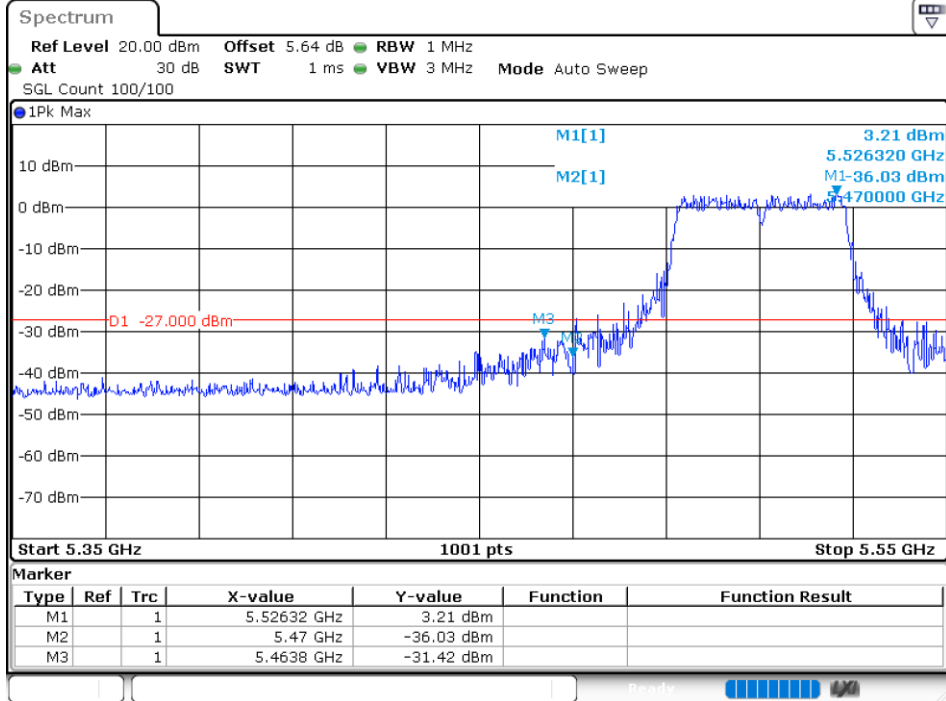
Band Edge NVNT ac20 5500MHz Low Ant1



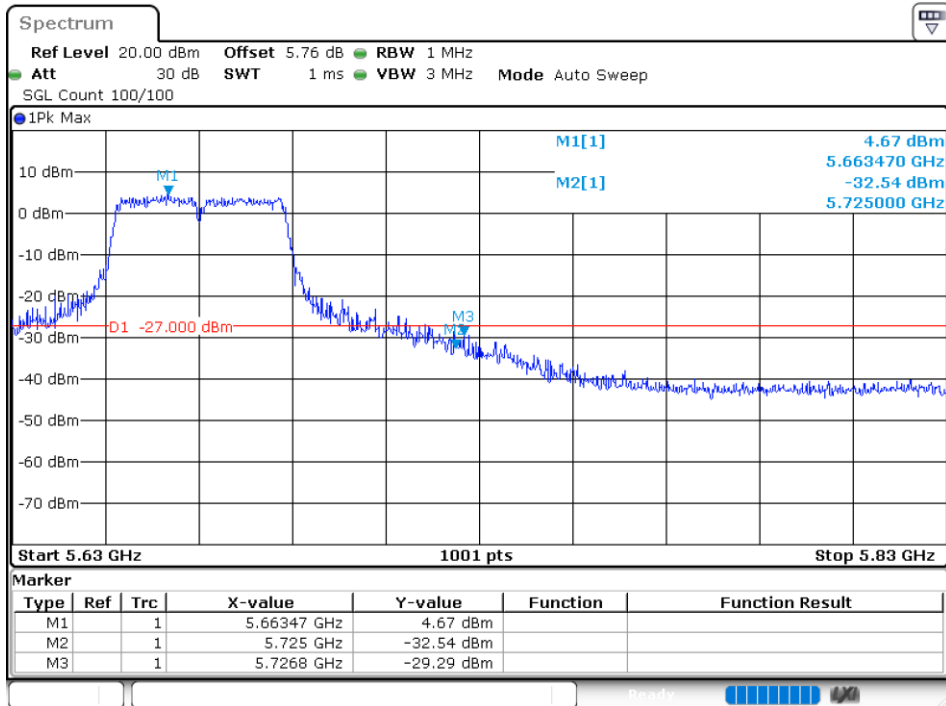
Band Edge NVNT ac20 5700MHz High Ant1



Band Edge NVNT ac40 5510MHz Low Ant1



Band Edge NVNT ac40 5670MHz High Ant1

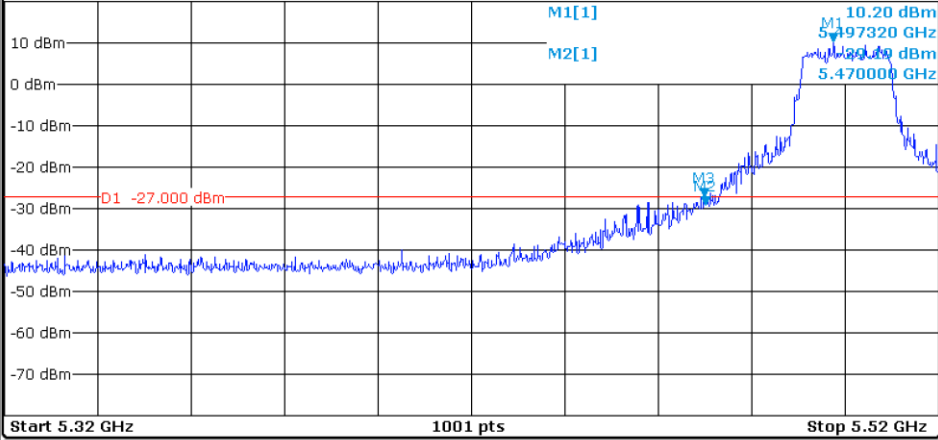


Band Edge NVNT ax20 5500MHz Low Ant1

Spectrum

Ref Level 20.00 dBm Offset 5.63 dB RBW 1 MHz  
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep  
SGL Count 100/100

1Pk Max



Marker

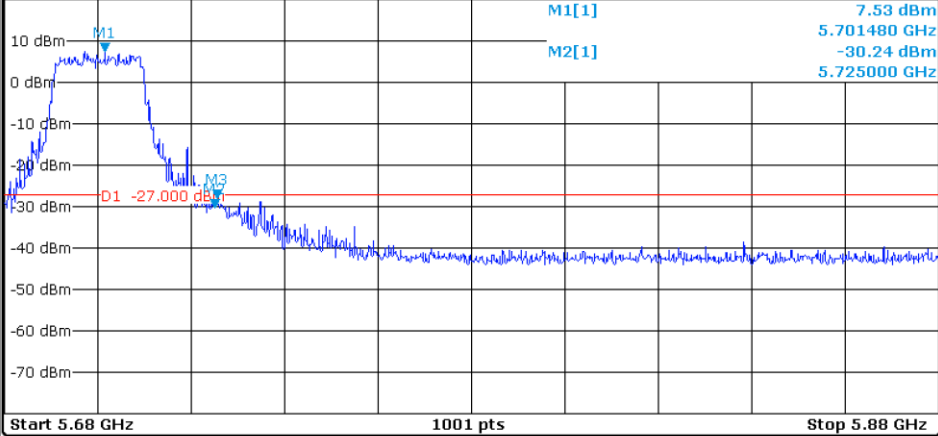
| Type | Ref | Trc | X-value     | Y-value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   |     | 1   | 5.49732 GHz | 10.20 dBm  |          |                 |
| M2   |     | 1   | 5.47 GHz    | -29.19 dBm |          |                 |
| M3   |     | 1   | 5.4698 GHz  | -27.17 dBm |          |                 |

Band Edge NVNT ax20 5700MHz High Ant1

Spectrum

Ref Level 20.00 dBm Offset 5.77 dB RBW 1 MHz  
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep  
SGL Count 100/100

1Pk Max



Marker

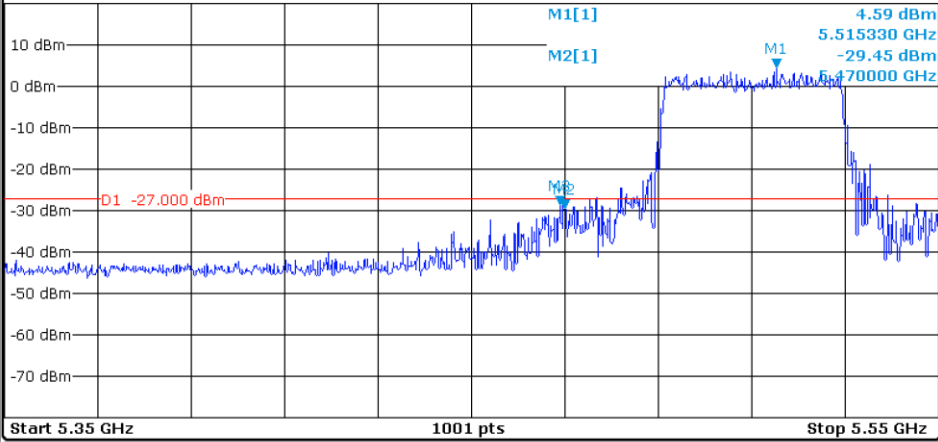
| Type | Ref | Trc | X-value     | Y-value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   |     | 1   | 5.70148 GHz | 7.53 dBm   |          |                 |
| M2   |     | 1   | 5.725 GHz   | -30.24 dBm |          |                 |
| M3   |     | 1   | 5.7256 GHz  | -27.98 dBm |          |                 |

Band Edge NVNT ax40 5510MHz Low Ant1

Spectrum

Ref Level 20.00 dBm Offset 5.64 dB RBW 1 MHz  
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep  
SGL Count 100/100

1Pk Max



Marker

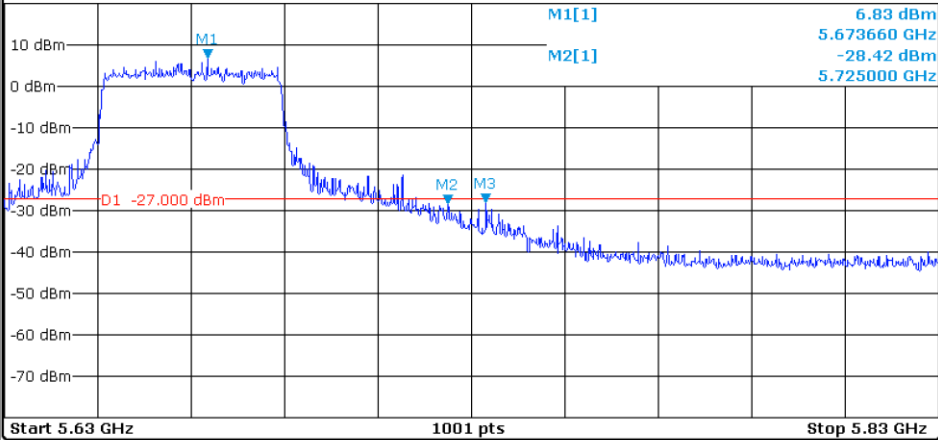
| Type | Ref | Trc | X-value     | Y-value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   |     | 1   | 5.51533 GHz | 4.59 dBm   |          |                 |
| M2   |     | 1   | 5.47 GHz    | -29.45 dBm |          |                 |
| M3   |     | 1   | 5.469 GHz   | -28.50 dBm |          |                 |

Band Edge NVNT ax40 5670MHz High Ant1

Spectrum

Ref Level 20.00 dBm Offset 5.76 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   | 5.67366 GHz | 6.83 dBm   |          |                 |
| M2   |     | 1   | 5.725 GHz   | -28.42 dBm |          |                 |
| M3   |     | 1   | 5.733 GHz   | -27.93 dBm |          |                 |

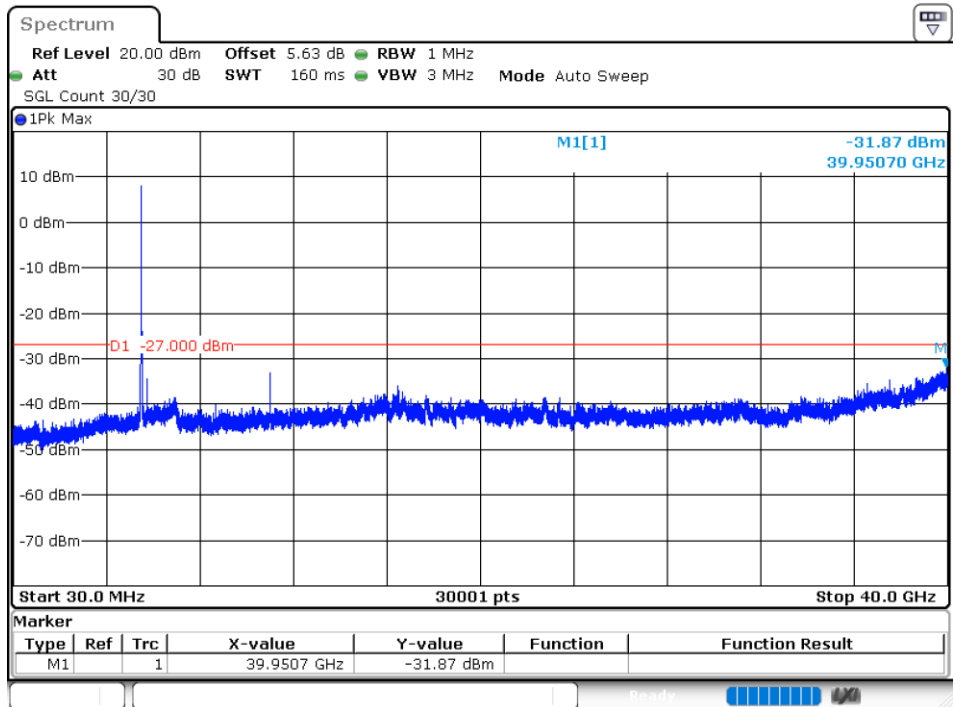
## Conducted RF Spurious Emission

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm/MHz) | Limit (dBm/MHz) | Verdict |
|-----------|------|-----------------|---------|---------------------|-----------------|---------|
| NVNT      | a    | 5500            | Ant1    | -31.87              | -27             | Pass    |
| NVNT      | a    | 5600            | Ant1    | -33.22              | -27             | Pass    |
| NVNT      | a    | 5700            | Ant1    | -32.63              | -27             | Pass    |
| NVNT      | n20  | 5500            | Ant1    | -33.03              | -27             | Pass    |
| NVNT      | n20  | 5600            | Ant1    | -32.76              | -27             | Pass    |
| NVNT      | n20  | 5700            | Ant1    | -32.76              | -27             | Pass    |
| NVNT      | n40  | 5510            | Ant1    | -32.14              | -27             | Pass    |
| NVNT      | n40  | 5590            | Ant1    | -33.37              | -27             | Pass    |
| NVNT      | n40  | 5670            | Ant1    | -32.12              | -27             | Pass    |
| NVNT      | ac20 | 5500            | Ant1    | -32.19              | -27             | Pass    |
| NVNT      | ac20 | 5600            | Ant1    | -31.89              | -27             | Pass    |
| NVNT      | ac20 | 5700            | Ant1    | -31.31              | -27             | Pass    |
| NVNT      | ac40 | 5510            | Ant1    | -32.96              | -27             | Pass    |
| NVNT      | ac40 | 5590            | Ant1    | -32.92              | -27             | Pass    |
| NVNT      | ac40 | 5670            | Ant1    | -32.41              | -27             | Pass    |
| NVNT      | ax20 | 5500            | Ant1    | -31.99              | -27             | Pass    |
| NVNT      | ax20 | 5600            | Ant1    | -32.8               | -27             | Pass    |
| NVNT      | ax20 | 5700            | Ant1    | -32.77              | -27             | Pass    |
| NVNT      | ax40 | 5510            | Ant1    | -32.18              | -27             | Pass    |
| NVNT      | ax40 | 5590            | Ant1    | -33.16              | -27             | Pass    |
| NVNT      | ax40 | 5670            | Ant1    | -33.33              | -27             | Pass    |

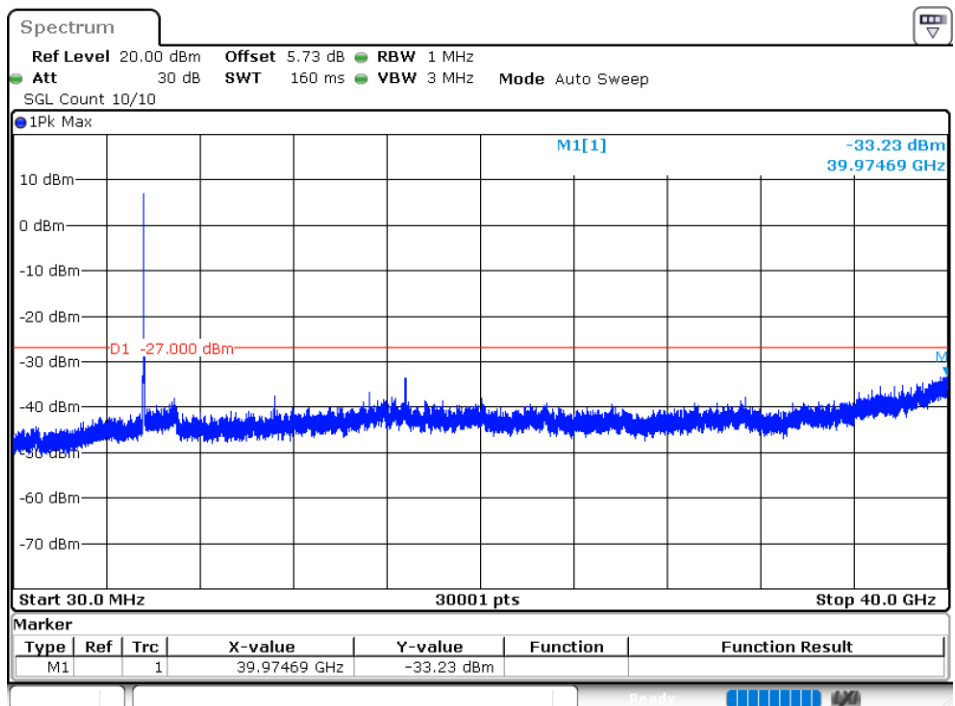
Note: This test has increased antenna gain.

Test Graphs

Tx. Spurious NVNT a 5500MHz Ant1 Emission

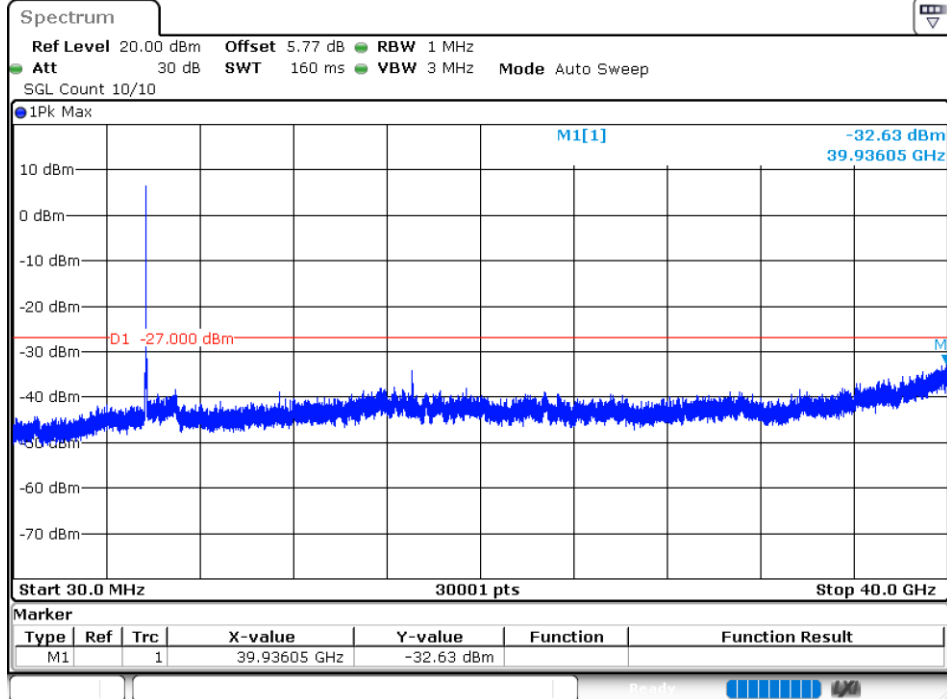


Tx. Spurious NVNT a 5600MHz Ant1 Emission

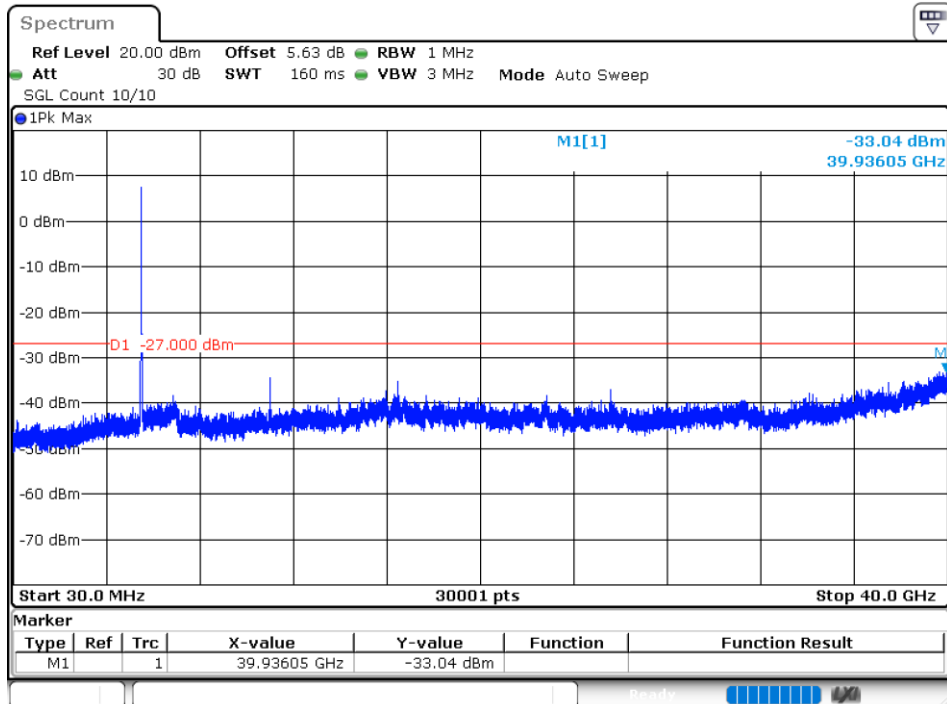




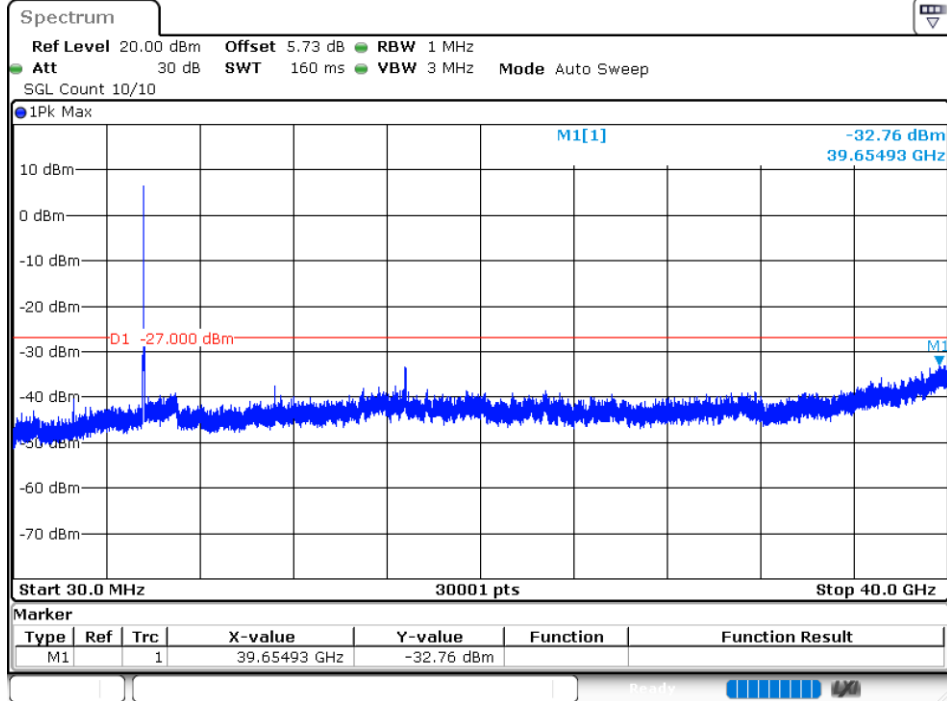
Tx. Spurious NVNT a 5700MHz Ant1 Emission



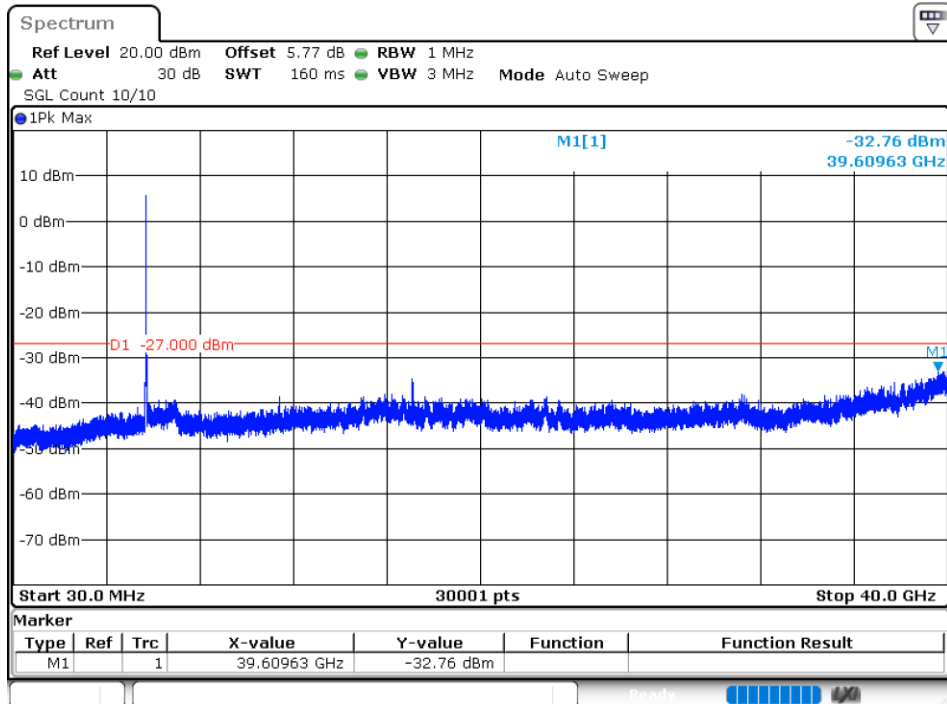
Tx. Spurious NVNT n20 5500MHz Ant1 Emission



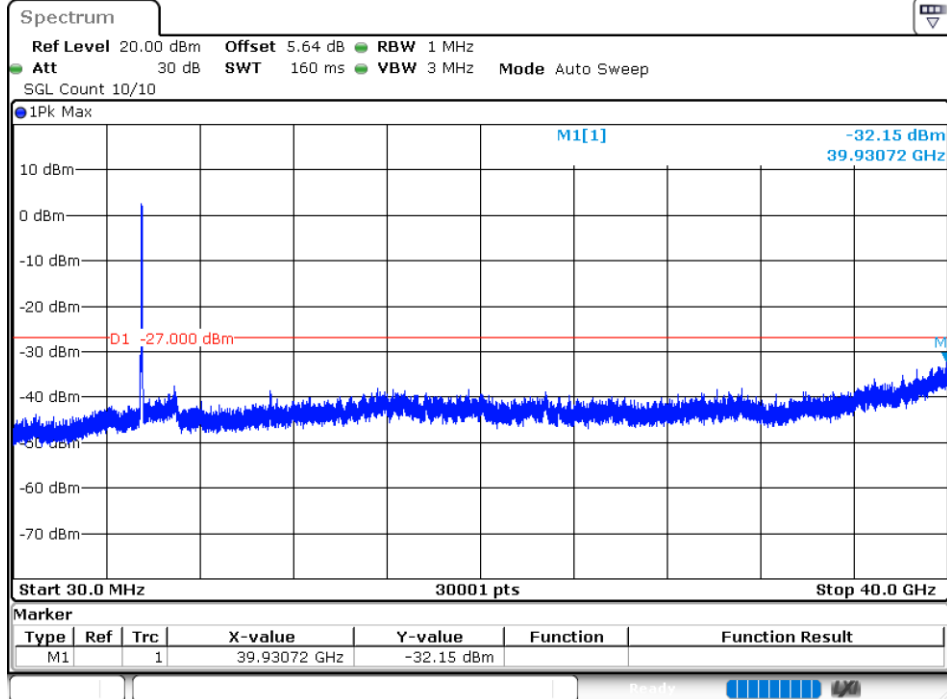
Tx. Spurious NVNT n20 5600MHz Ant1 Emission



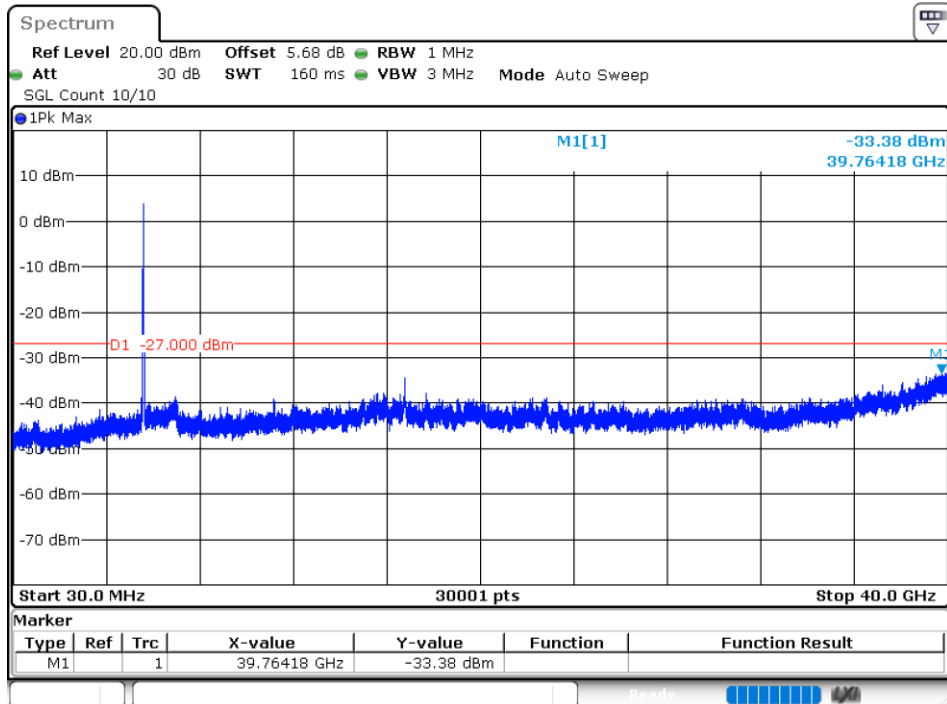
Tx. Spurious NVNT n20 5700MHz Ant1 Emission



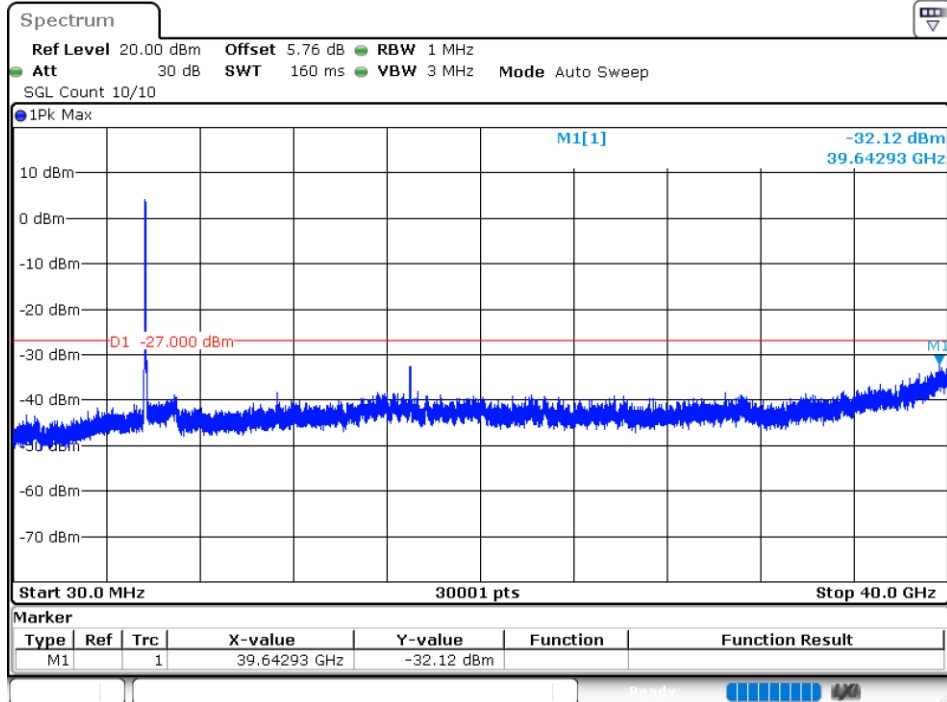
Tx. Spurious NVNT n40 5510MHz Ant1 Emission



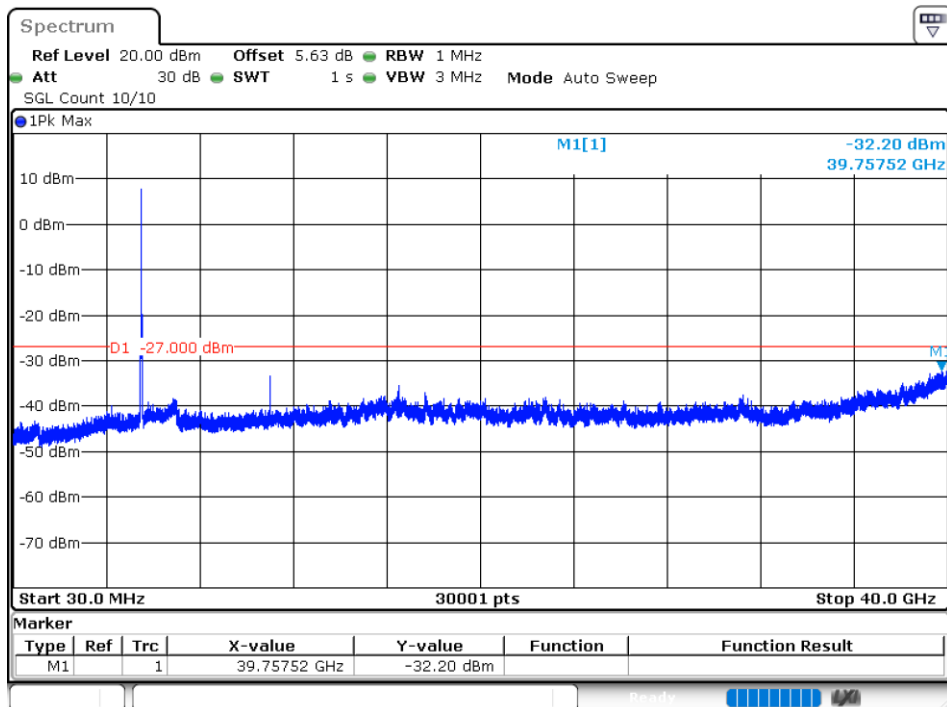
Tx. Spurious NVNT n40 5590MHz Ant1 Emission



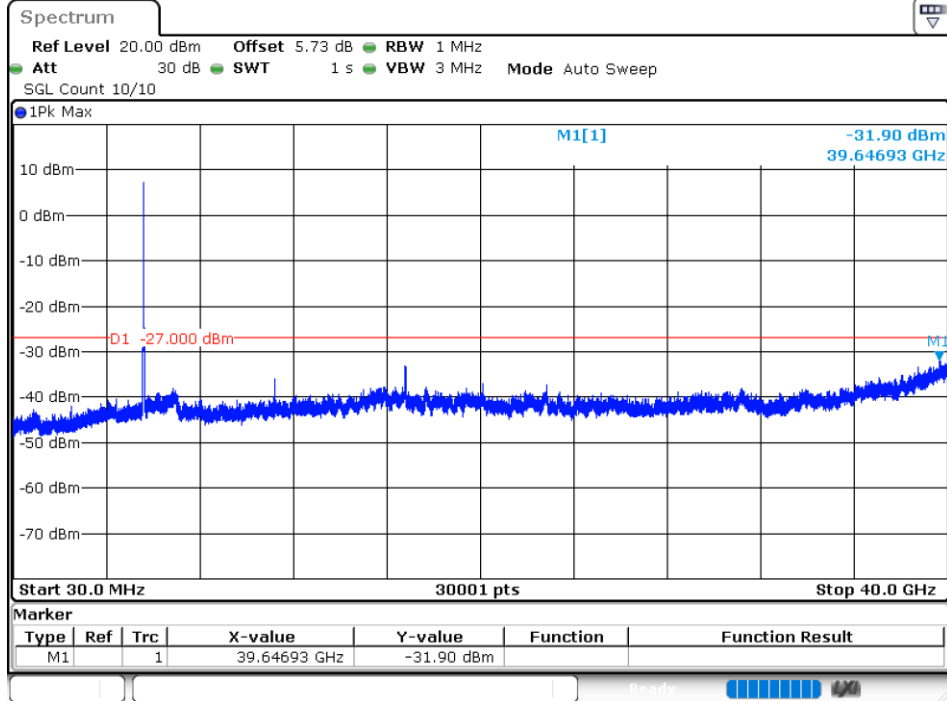
Tx. Spurious NVNT n40 5670MHz Ant1 Emission



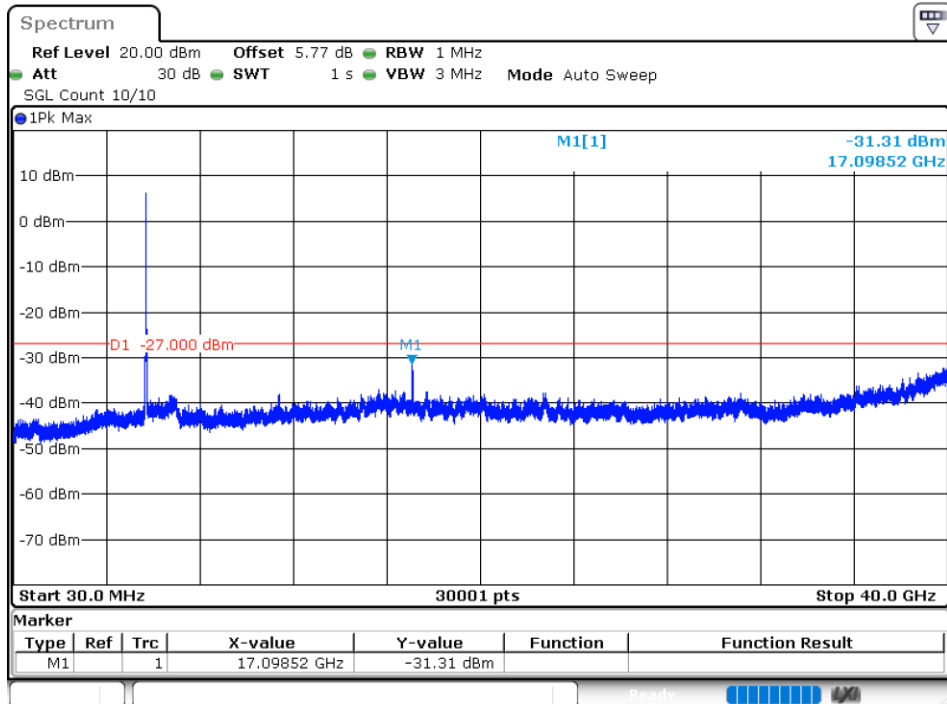
Tx. Spurious NVNT ac20 5500MHz Ant1 Emission



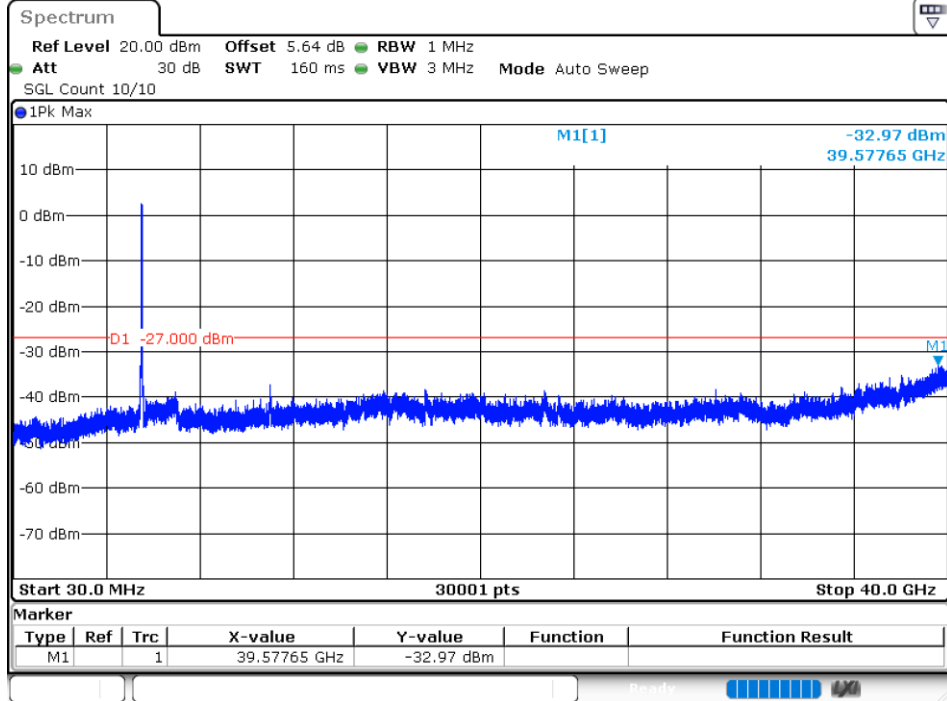
Tx. Spurious NVNT ac20 5600MHz Ant1 Emission



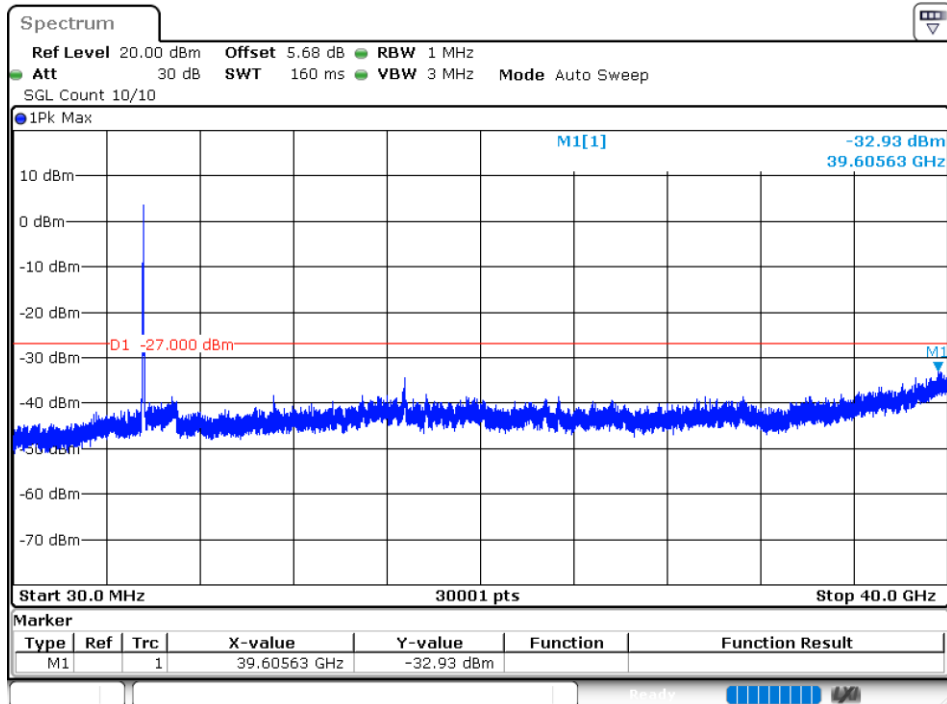
Tx. Spurious NVNT ac20 5700MHz Ant1 Emission



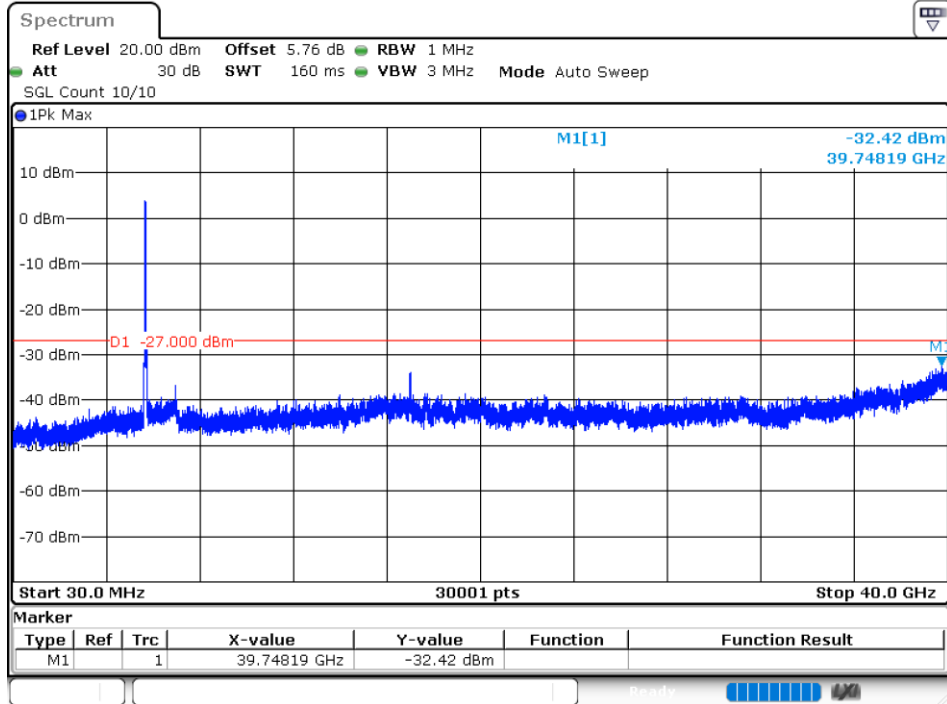
Tx. Spurious NVNT ac40 5510MHz Ant1 Emission



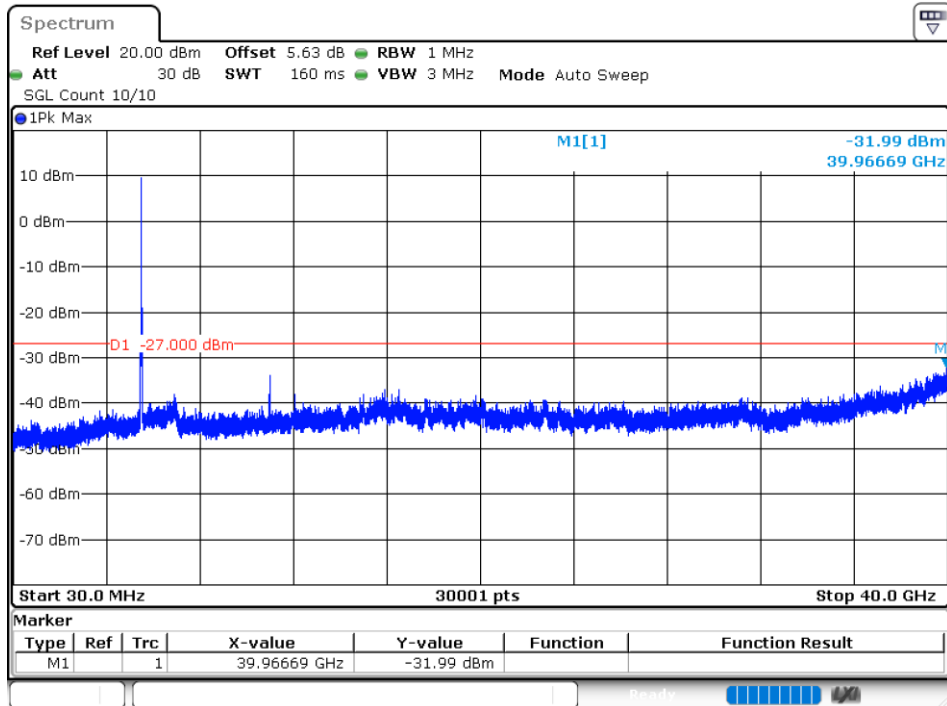
Tx. Spurious NVNT ac40 5590MHz Ant1 Emission



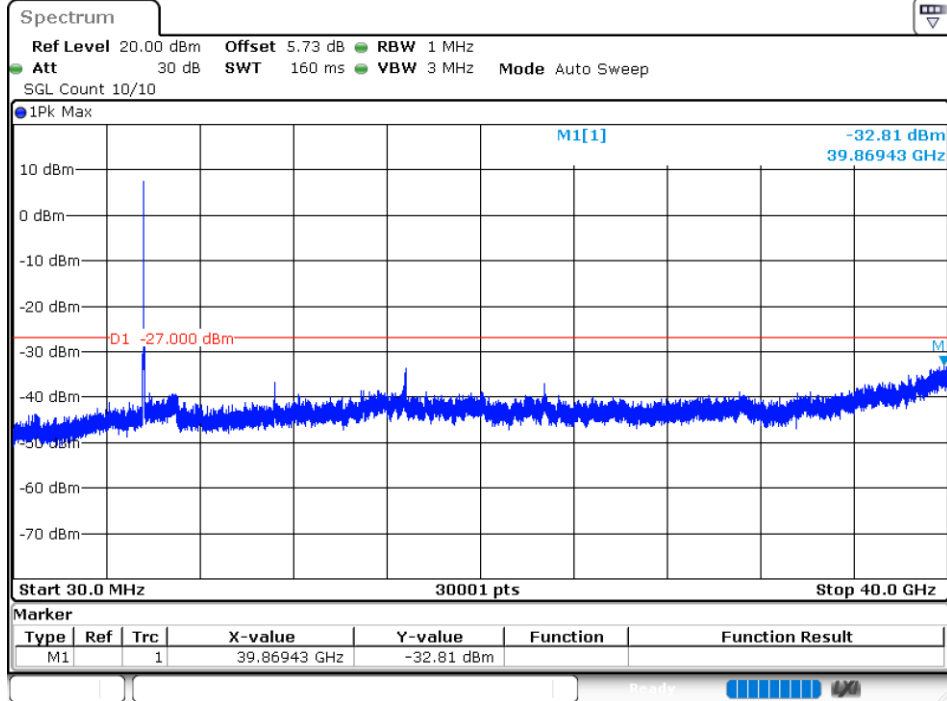
Tx. Spurious NVNT ac40 5670MHz Ant1 Emission



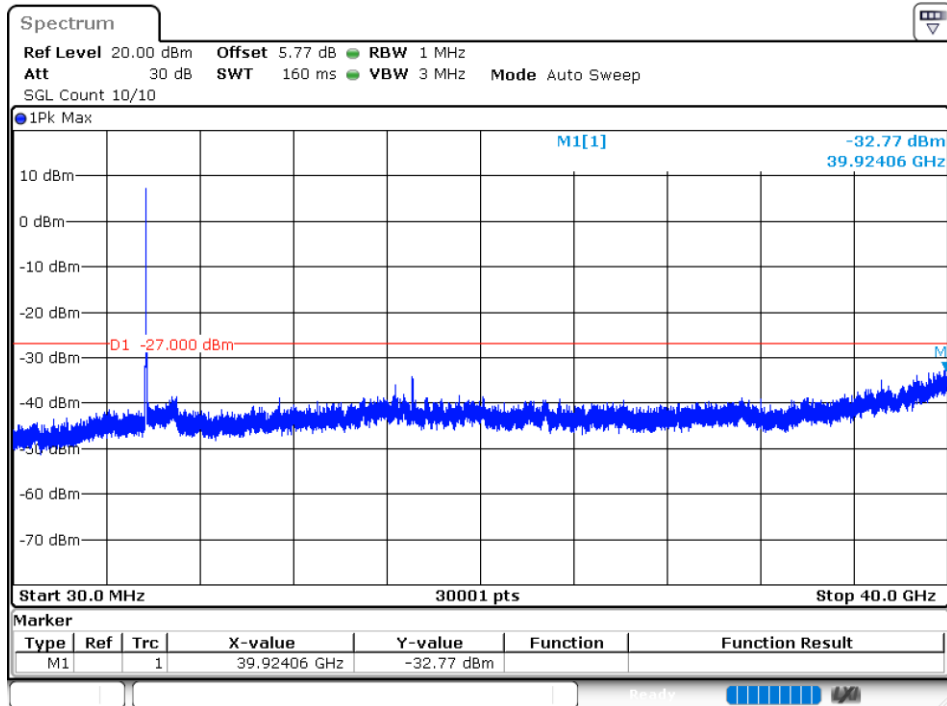
Tx. Spurious NVNT ax20 5500MHz Ant1 Emission



Tx. Spurious NVNT ax20 5600MHz Ant1 Emission

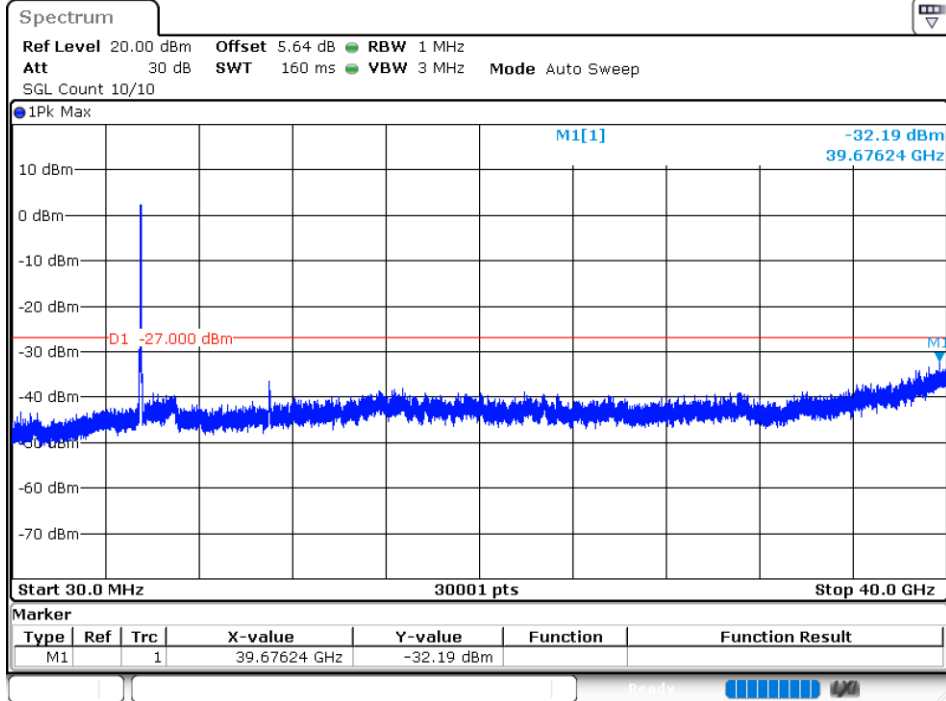


Tx. Spurious NVNT ax20 5700MHz Ant1 Emission

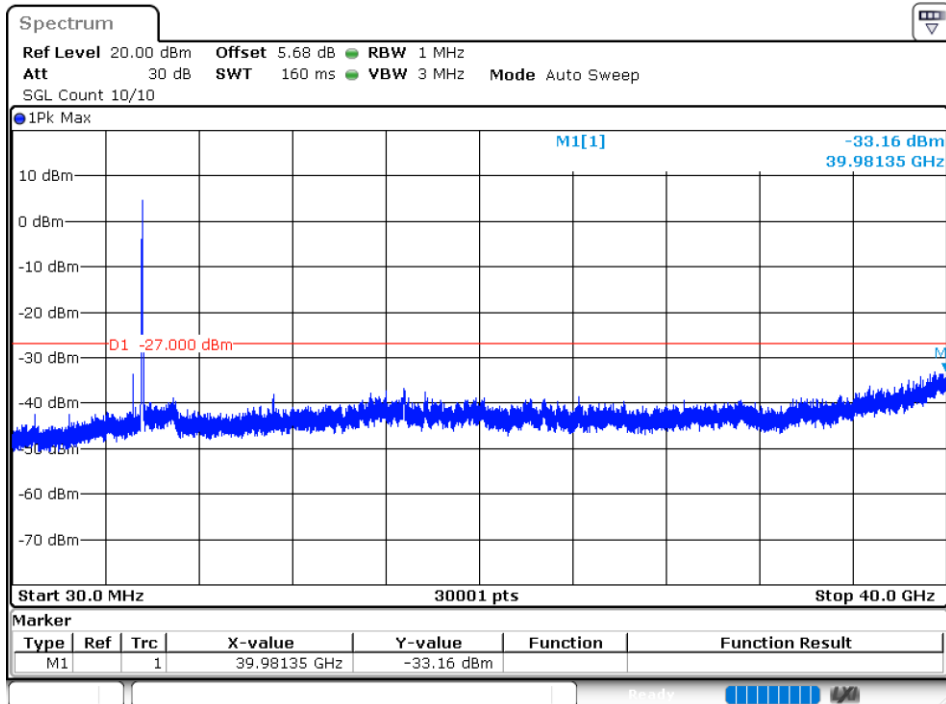




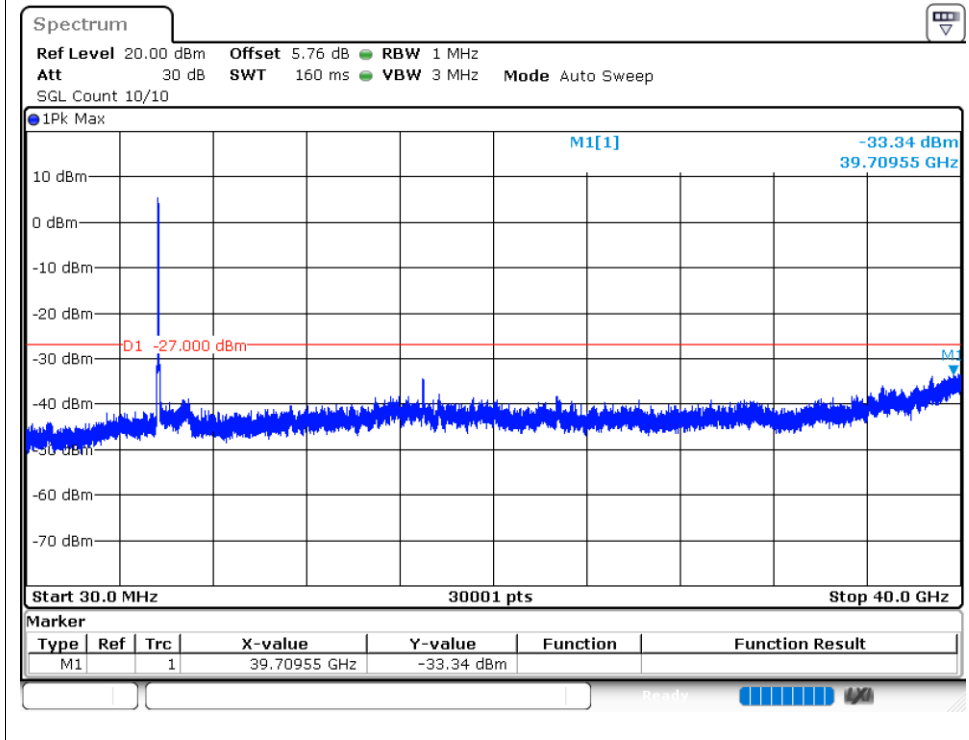
Tx. Spurious NVNT ax40 5510MHz Ant1 Emission



Tx. Spurious NVNT ax40 5590MHz Ant1 Emission



Tx. Spurious NVNT ax40 5670MHz Ant1 Emission



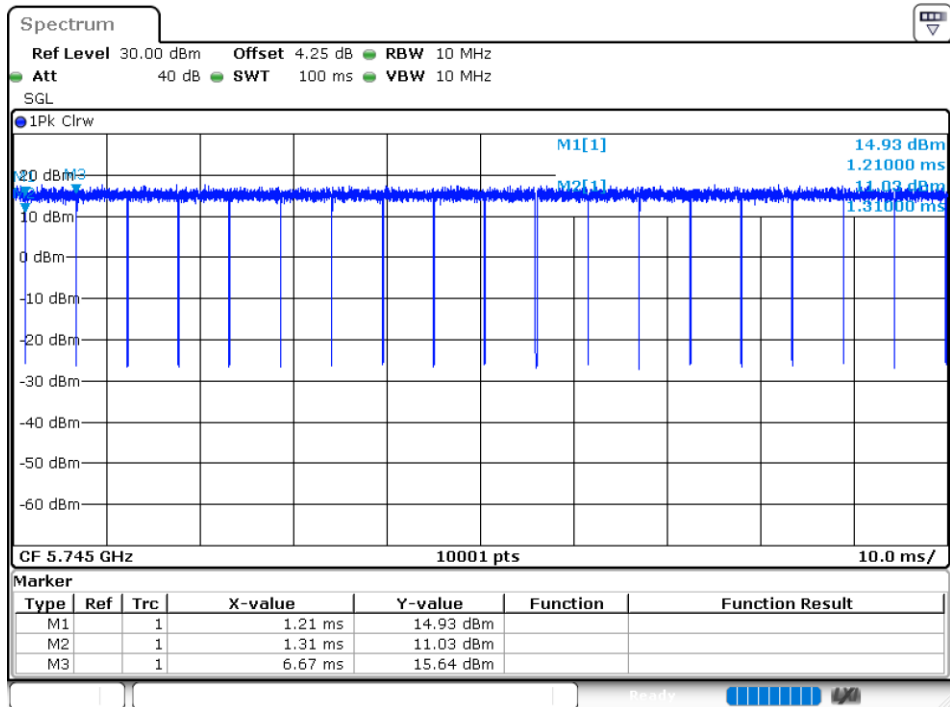
## 5.8G WIFI

### Duty Cycle

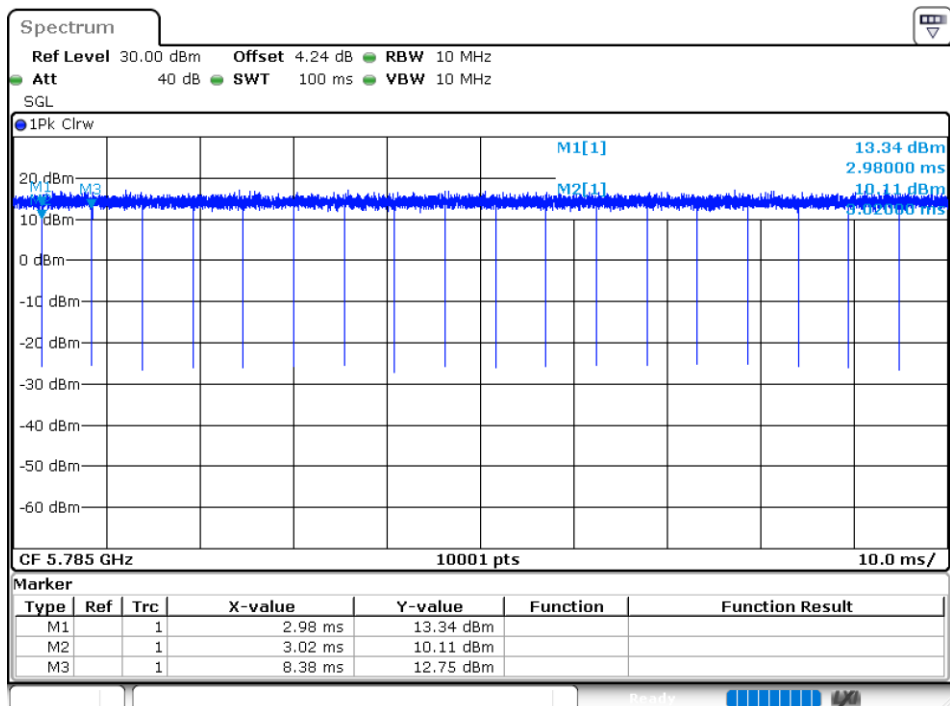
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5745            | Ant1    | 98.12          | 0.08                   | 0.19      |
| NVNT      | a    | 5785            | Ant1    | 99.46          | 0.02                   | 0.19      |
| NVNT      | a    | 5825            | Ant1    | 99.64          | 0.02                   | 0.19      |
| NVNT      | n20  | 5745            | Ant1    | 99.47          | 0.02                   | 0.2       |
| NVNT      | n20  | 5785            | Ant1    | 99.48          | 0.02                   | 0.2       |
| NVNT      | n20  | 5825            | Ant1    | 99.48          | 0.02                   | 0.2       |
| NVNT      | n40  | 5755            | Ant1    | 98.95          | 0.05                   | 0.41      |
| NVNT      | n40  | 5795            | Ant1    | 96.42          | 0.16                   | 0.41      |
| NVNT      | ac20 | 5745            | Ant1    | 98.14          | 0.08                   | 0.2       |
| NVNT      | ac20 | 5785            | Ant1    | 98.23          | 0.08                   | 0.2       |
| NVNT      | ac20 | 5825            | Ant1    | 99.47          | 0.02                   | 0.2       |
| NVNT      | ac40 | 5755            | Ant1    | 98.96          | 0.05                   | 0.41      |
| NVNT      | ac40 | 5795            | Ant1    | 96.31          | 0.16                   | 0.41      |
| NVNT      | ax20 | 5745            | Ant1    | 99.33          | 0.03                   | 0.26      |
| NVNT      | ax20 | 5785            | Ant1    | 99.34          | 0.03                   | 0.26      |
| NVNT      | ax20 | 5825            | Ant1    | 99.3           | 0.03                   | 0.26      |
| NVNT      | ax40 | 5755            | Ant1    | 98.73          | 0.06                   | 0.52      |
| NVNT      | ax40 | 5795            | Ant1    | 95.37          | 0.21                   | 0.52      |

## Test Graphs

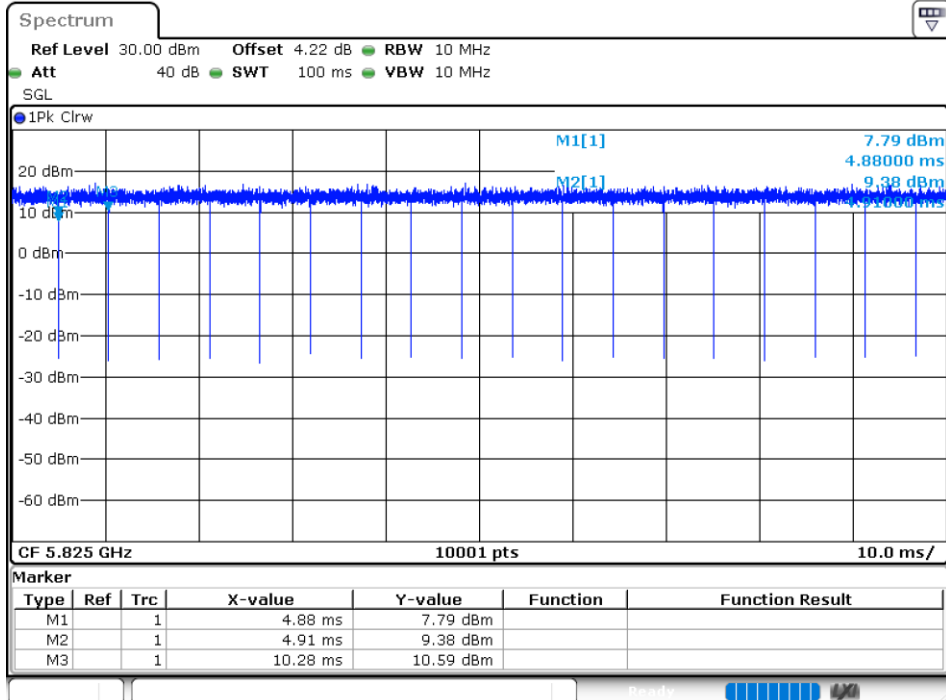
## Duty Cycle NVNT a 5745MHz Ant1



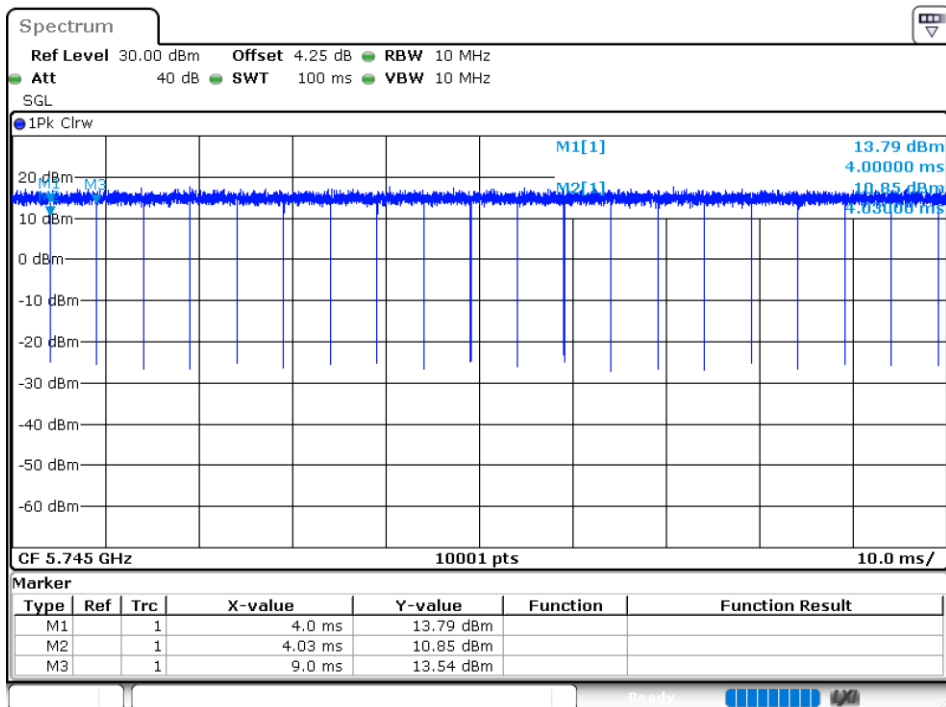
## Duty Cycle NVNT a 5785MHz Ant1



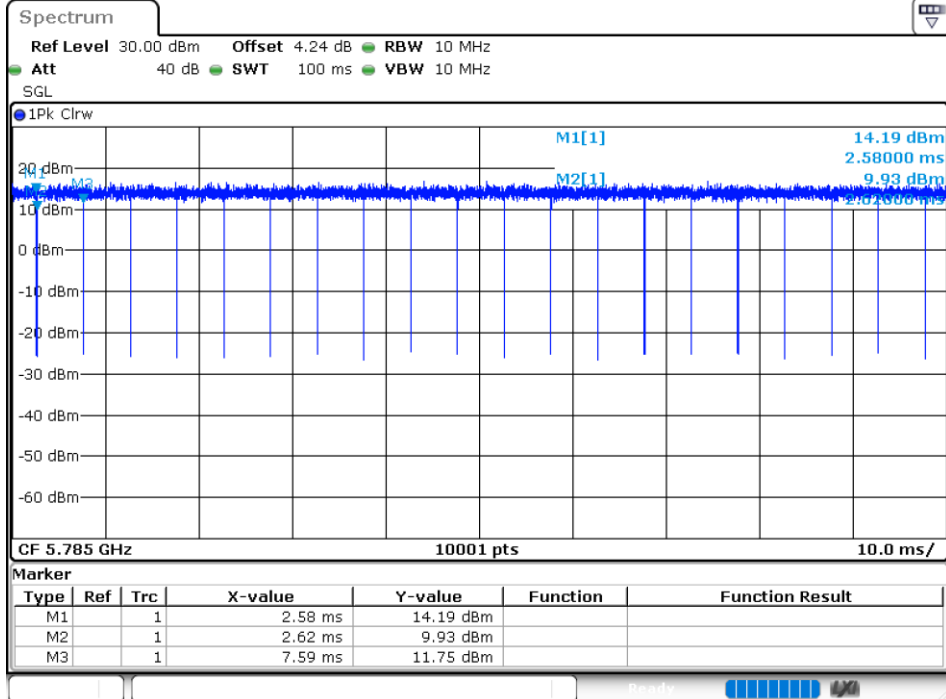
## Duty Cycle NVNT a 5825MHz Ant1



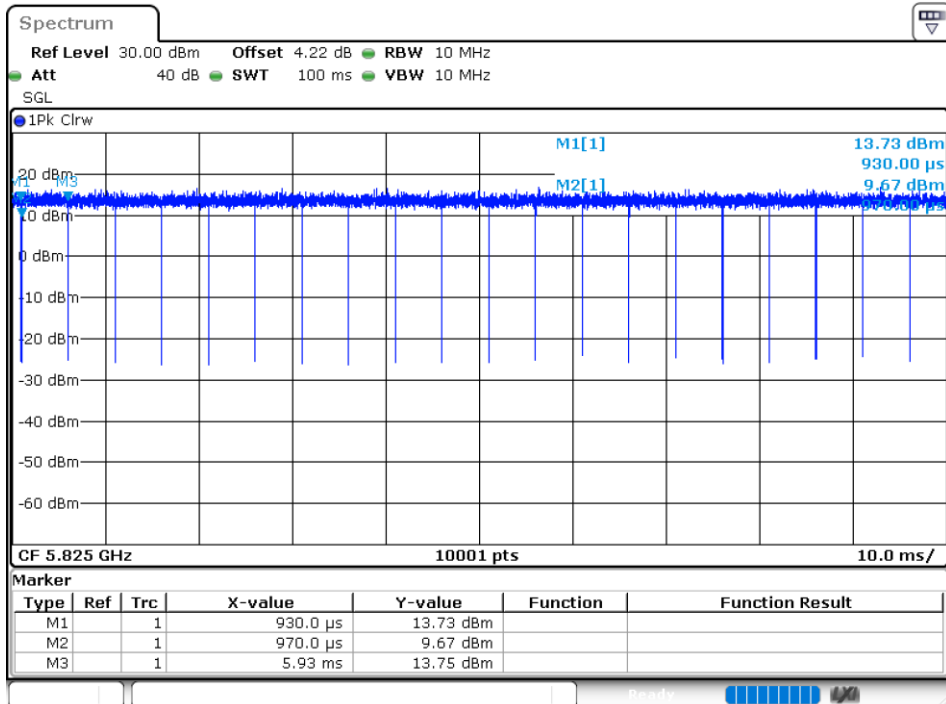
## Duty Cycle NVNT n20 5745MHz Ant1



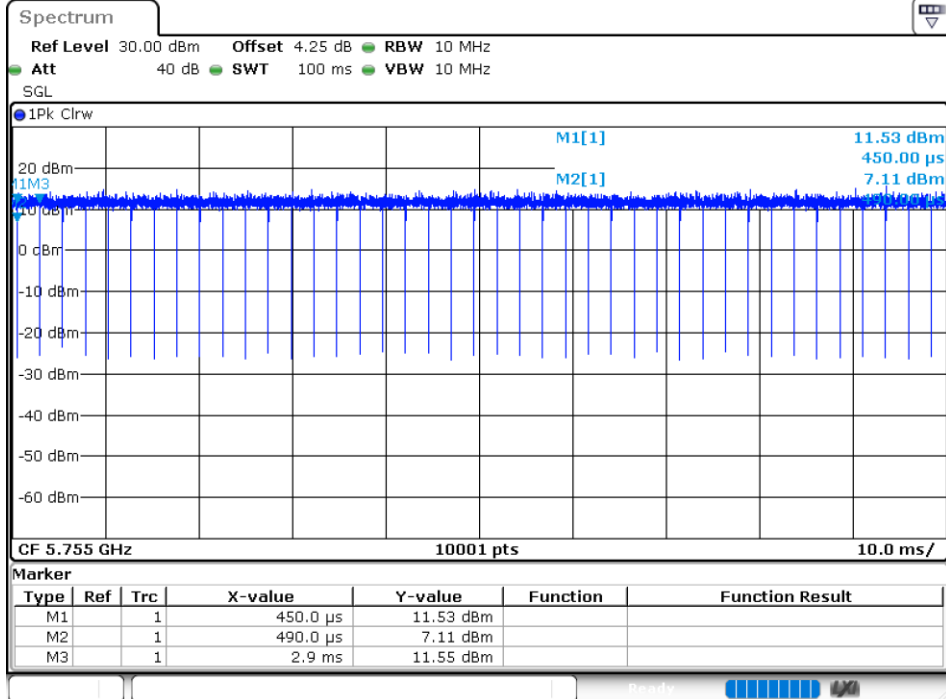
## Duty Cycle NVNT n20 5785MHz Ant1



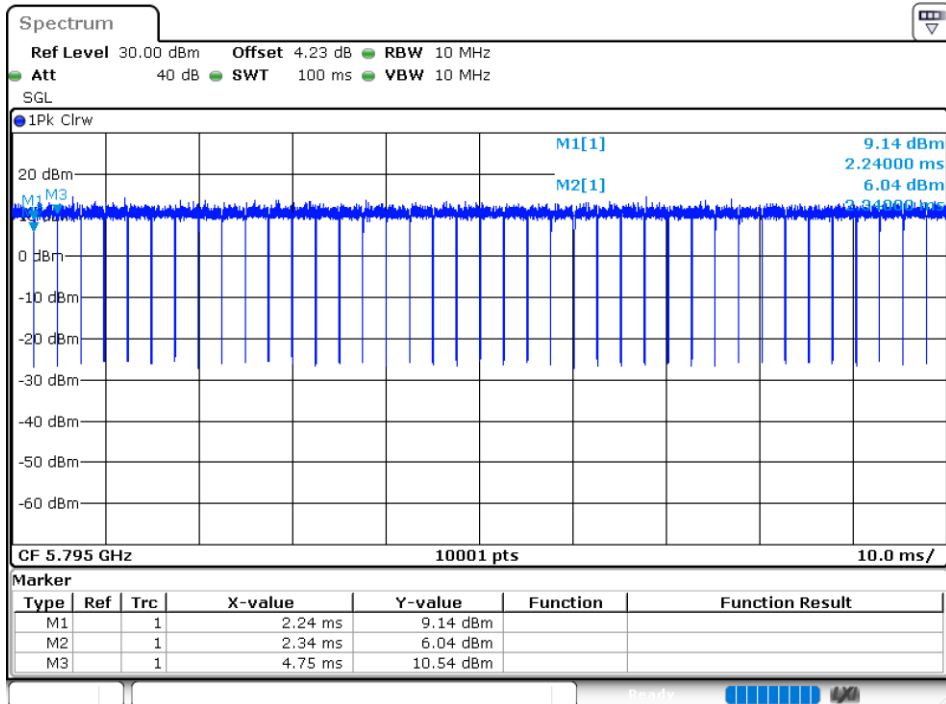
## Duty Cycle NVNT n20 5825MHz Ant1



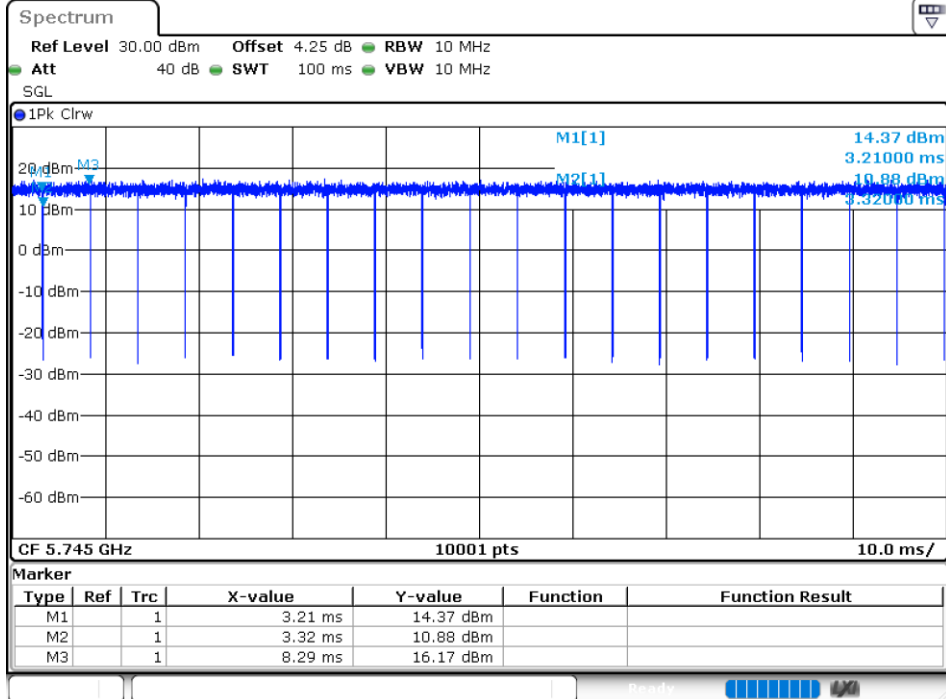
## Duty Cycle NVNT n40 5755MHz Ant1



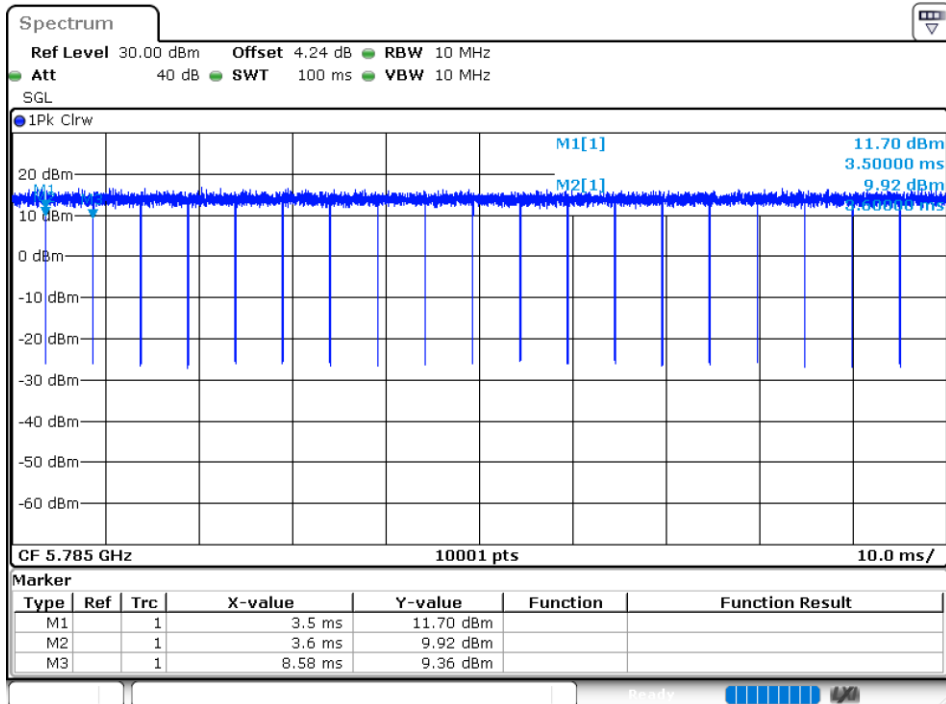
## Duty Cycle NVNT n40 5795MHz Ant1



Duty Cycle NVNT ac20 5745MHz Ant1

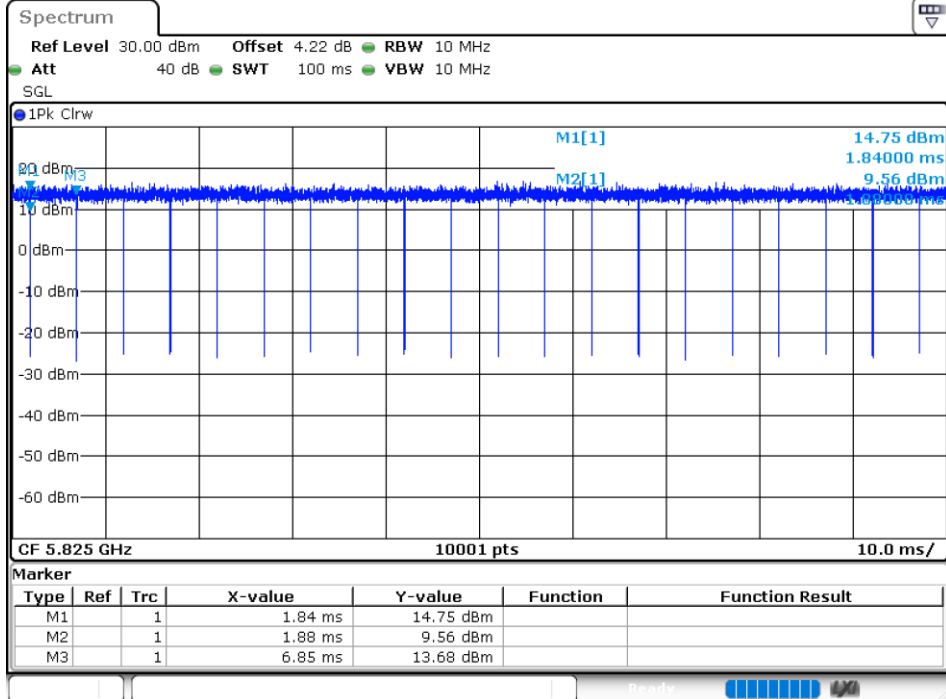


Duty Cycle NVNT ac20 5785MHz Ant1

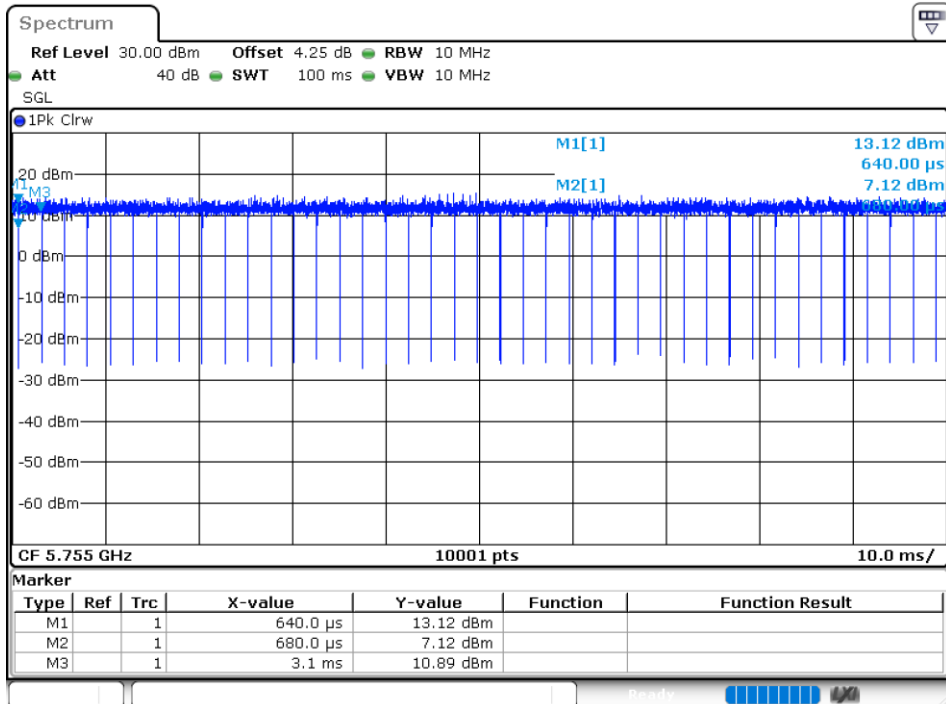




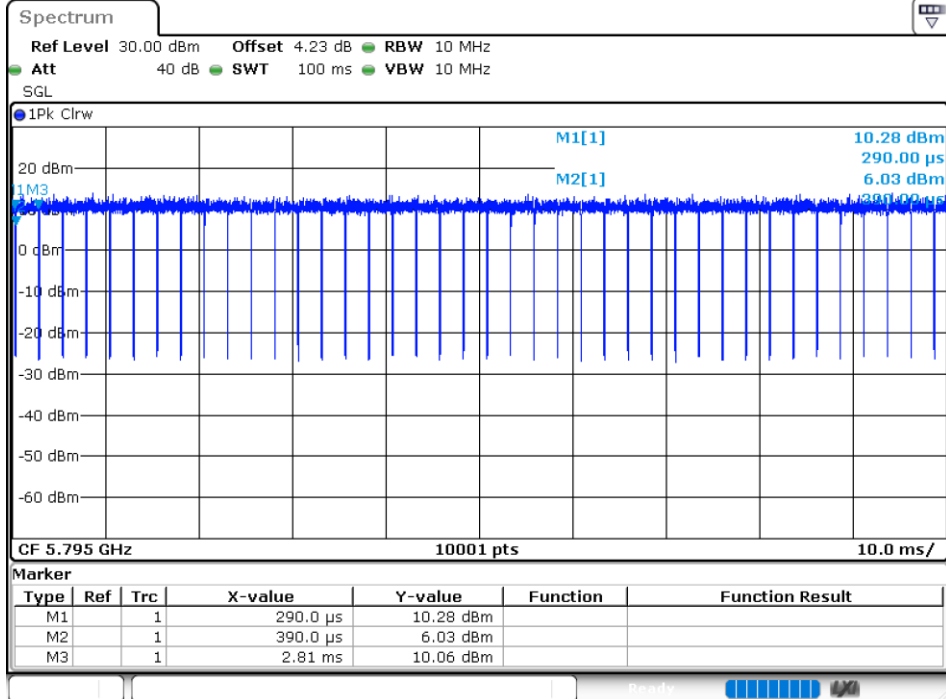
## Duty Cycle NVNT ac20 5825MHz Ant1



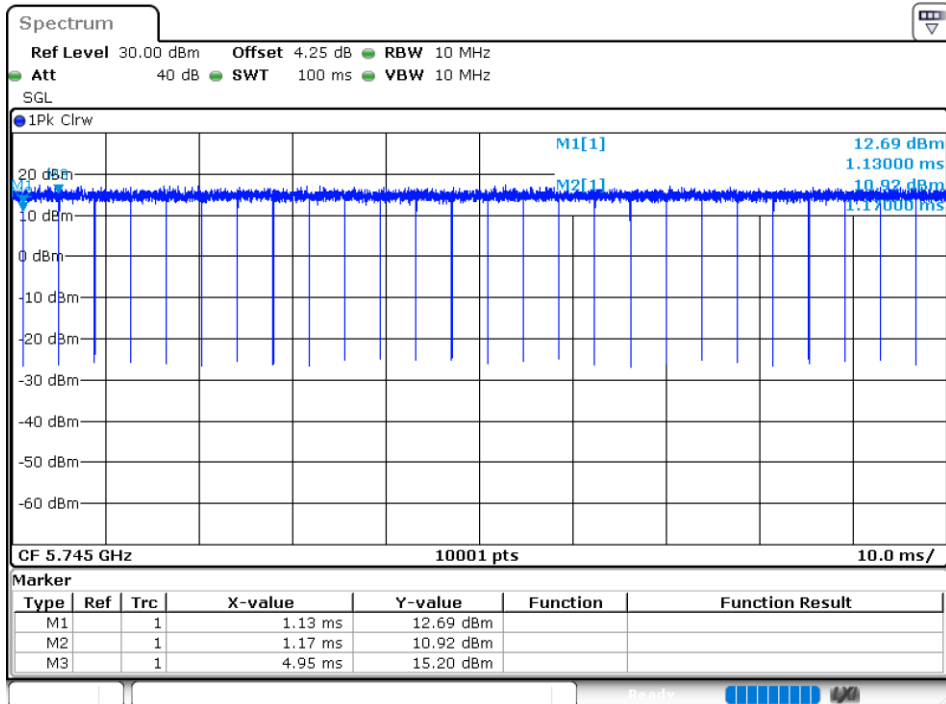
## Duty Cycle NVNT ac40 5755MHz Ant1



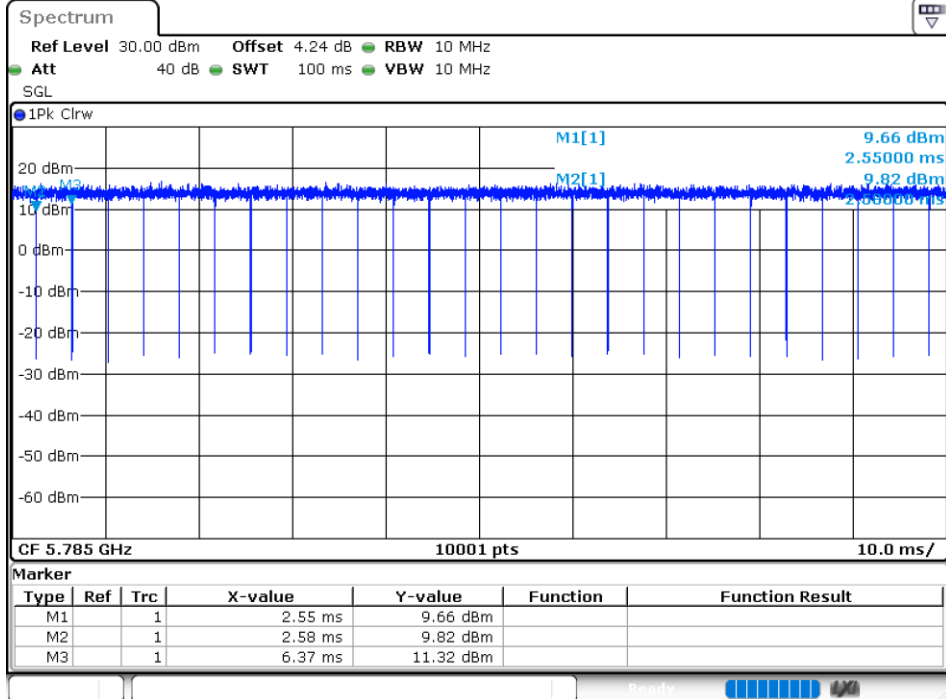
## Duty Cycle NVNT ac40 5795MHz Ant1



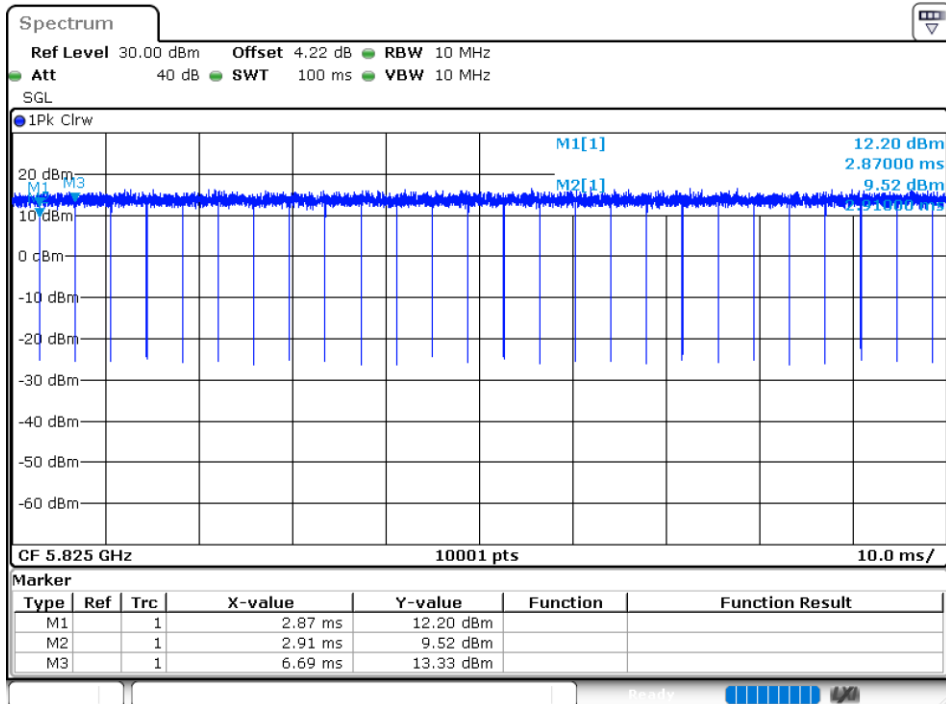
## Duty Cycle NVNT ax20 5745MHz Ant1



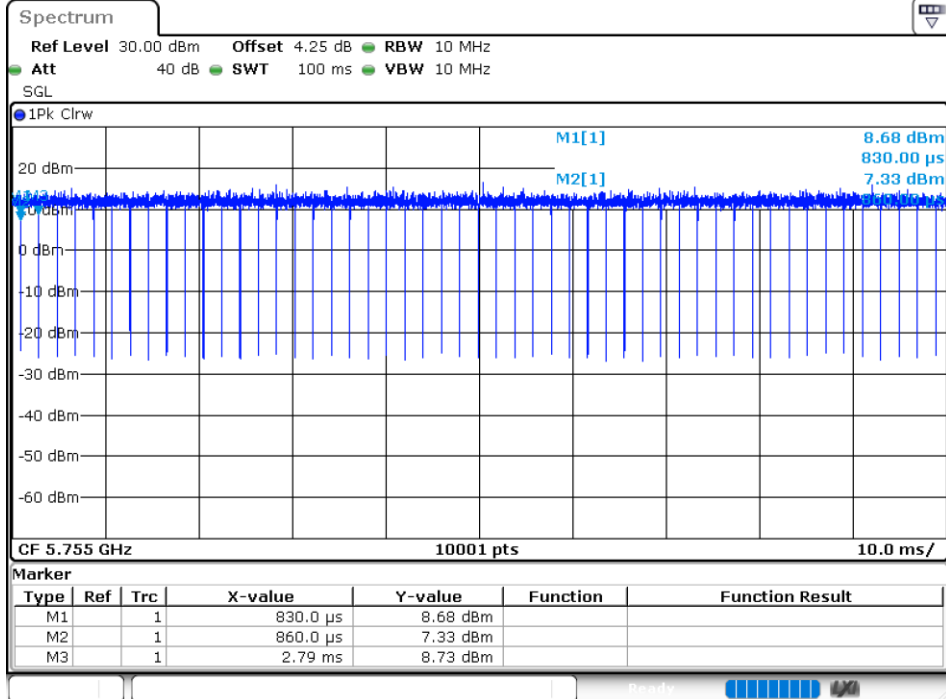
## Duty Cycle NVNT ax20 5785MHz Ant1



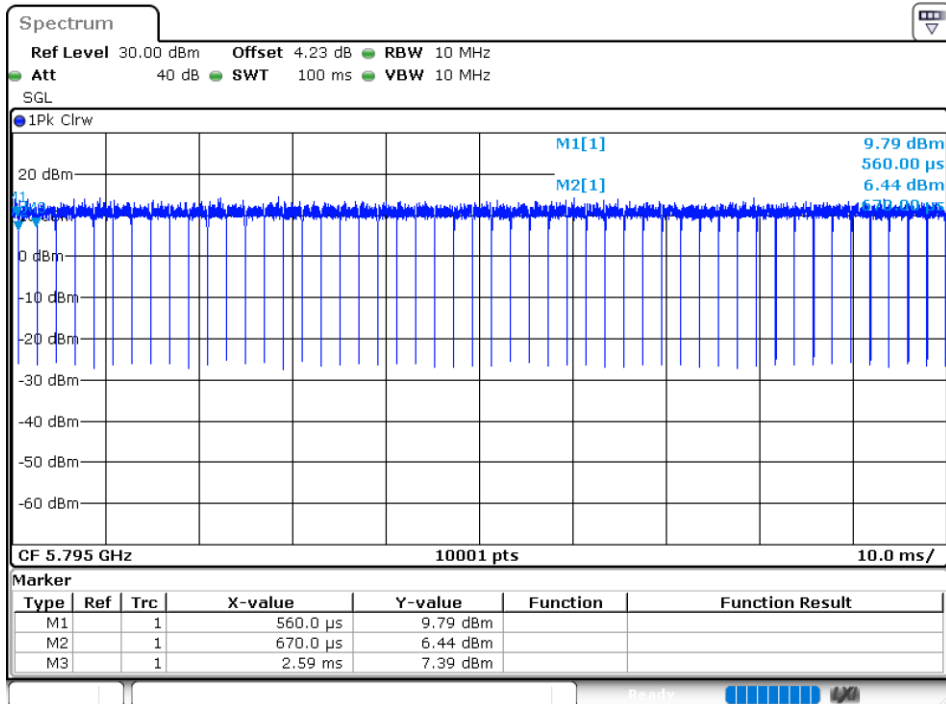
## Duty Cycle NVNT ax20 5825MHz Ant1



## Duty Cycle NVNT ax40 5755MHz Ant1



## Duty Cycle NVNT ax40 5795MHz Ant1



## Maximum Conducted Output Power

| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------------|----------------|---------|
| NVNT      | a    | 5745               | Ant1    | 10.34                    | 30             | Pass    |
| NVNT      | a    | 5785               | Ant1    | 10.49                    | 30             | Pass    |
| NVNT      | a    | 5825               | Ant1    | 10.41                    | 30             | Pass    |
| NVNT      | n20  | 5745               | Ant1    | 10.32                    | 30             | Pass    |
| NVNT      | n20  | 5785               | Ant1    | 10.51                    | 30             | Pass    |
| NVNT      | n20  | 5825               | Ant1    | 10.56                    | 30             | Pass    |
| NVNT      | n40  | 5755               | Ant1    | 10.42                    | 30             | Pass    |
| NVNT      | n40  | 5795               | Ant1    | 10.38                    | 30             | Pass    |
| NVNT      | ac20 | 5745               | Ant1    | 10.01                    | 30             | Pass    |
| NVNT      | ac20 | 5785               | Ant1    | 10.48                    | 30             | Pass    |
| NVNT      | ac20 | 5825               | Ant1    | 10.61                    | 30             | Pass    |
| NVNT      | ac40 | 5755               | Ant1    | 10.07                    | 30             | Pass    |
| NVNT      | ac40 | 5795               | Ant1    | 10.4                     | 30             | Pass    |
| NVNT      | ax20 | 5745               | Ant1    | 10.26                    | 30             | Pass    |
| NVNT      | ax20 | 5785               | Ant1    | 10.53                    | 30             | Pass    |
| NVNT      | ax20 | 5825               | Ant1    | 10.48                    | 30             | Pass    |
| NVNT      | ax40 | 5755               | Ant1    | 10.4                     | 30             | Pass    |
| NVNT      | ax40 | 5795               | Ant1    | 10.51                    | 30             | Pass    |

## -6dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | a    | 5745            | Ant1    | 16.575                | 0.5                         | Pass    |
| NVNT      | a    | 5785            | Ant1    | 16.329                | 0.5                         | Pass    |
| NVNT      | a    | 5825            | Ant1    | 16.572                | 0.5                         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 17.778                | 0.5                         | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 17.598                | 0.5                         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 17.706                | 0.5                         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 36.36                 | 0.5                         | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 36.318                | 0.5                         | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 17.808                | 0.5                         | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 17.784                | 0.5                         | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 17.592                | 0.5                         | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 36.342                | 0.5                         | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 36.396                | 0.5                         | Pass    |
| NVNT      | ax20 | 5745            | Ant1    | 18.936                | 0.5                         | Pass    |
| NVNT      | ax20 | 5785            | Ant1    | 18.516                | 0.5                         | Pass    |
| NVNT      | ax20 | 5825            | Ant1    | 19.083                | 0.5                         | Pass    |
| NVNT      | ax40 | 5755            | Ant1    | 37.968                | 0.5                         | Pass    |
| NVNT      | ax40 | 5795            | Ant1    | 38.028                | 0.5                         | Pass    |

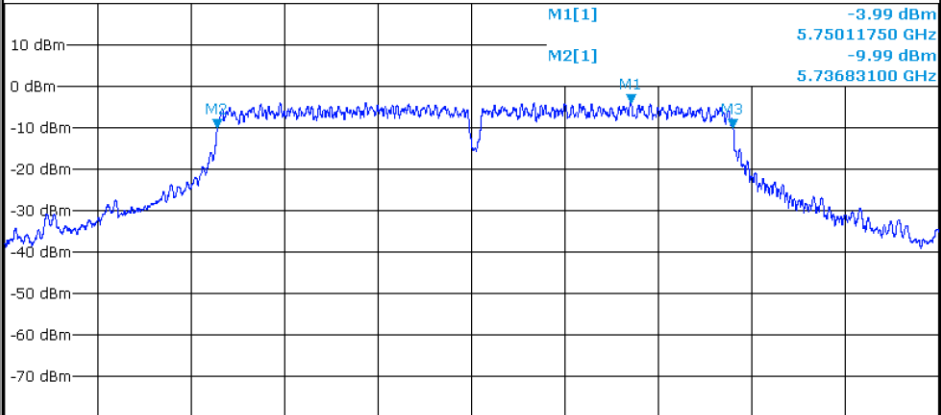
## Test Graphs

## -6dB Bandwidth NVNT a 5745MHz Ant1

## Spectrum

Ref Level 20.00 dBm Offset 4.25 dB RBW 100 kHz  
Att 30 dB SWT 75.9  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 100/100

1Pk Max



CF 5.745 GHz

10001 pts

Span 30.0 MHz

## Marker

| Type | Ref | Trc | X-value       | Y-value   | Function | Function Result |
|------|-----|-----|---------------|-----------|----------|-----------------|
| M1   |     | 1   | 5.7501175 GHz | -3.99 dBm |          |                 |
| M2   |     | 1   | 5.736831 GHz  | -9.99 dBm |          |                 |
| M3   |     | 1   | 5.753406 GHz  | -9.88 dBm |          |                 |

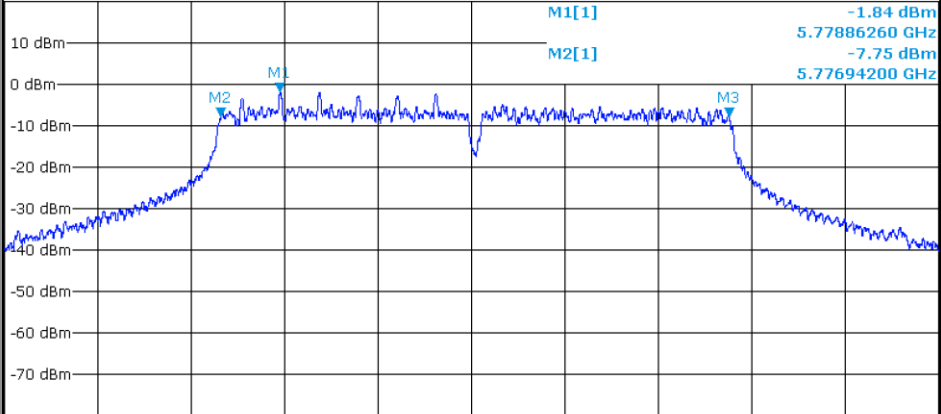
Ready

## -6dB Bandwidth NVNT a 5785MHz Ant1

## Spectrum

Ref Level 20.00 dBm Offset 4.24 dB RBW 100 kHz  
Att 30 dB SWT 75.9  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 100/100

1Pk Max



CF 5.785 GHz

10001 pts

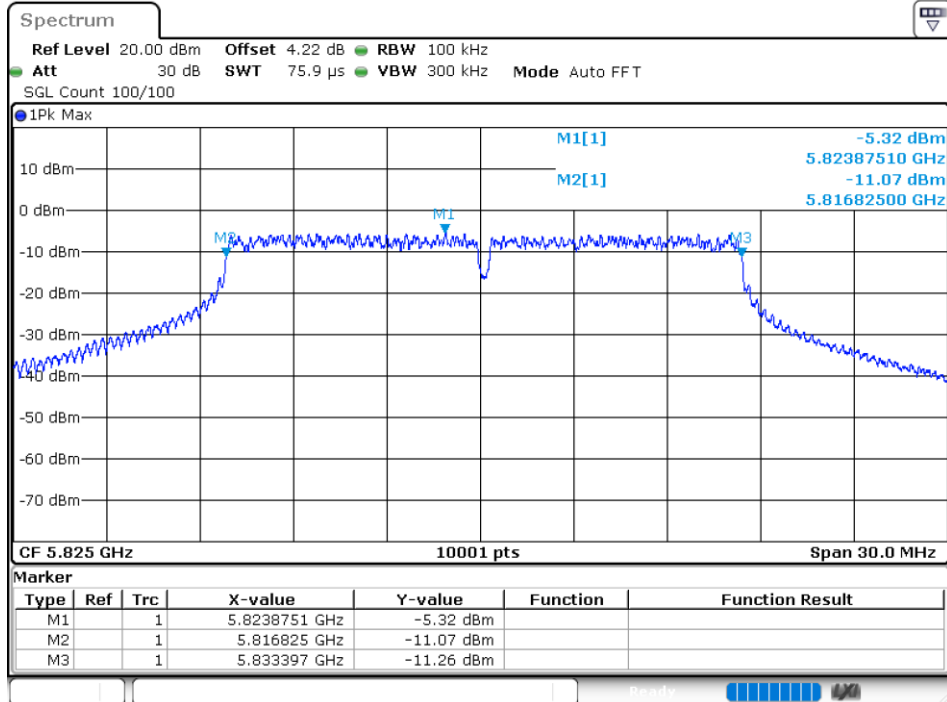
Span 30.0 MHz

## Marker

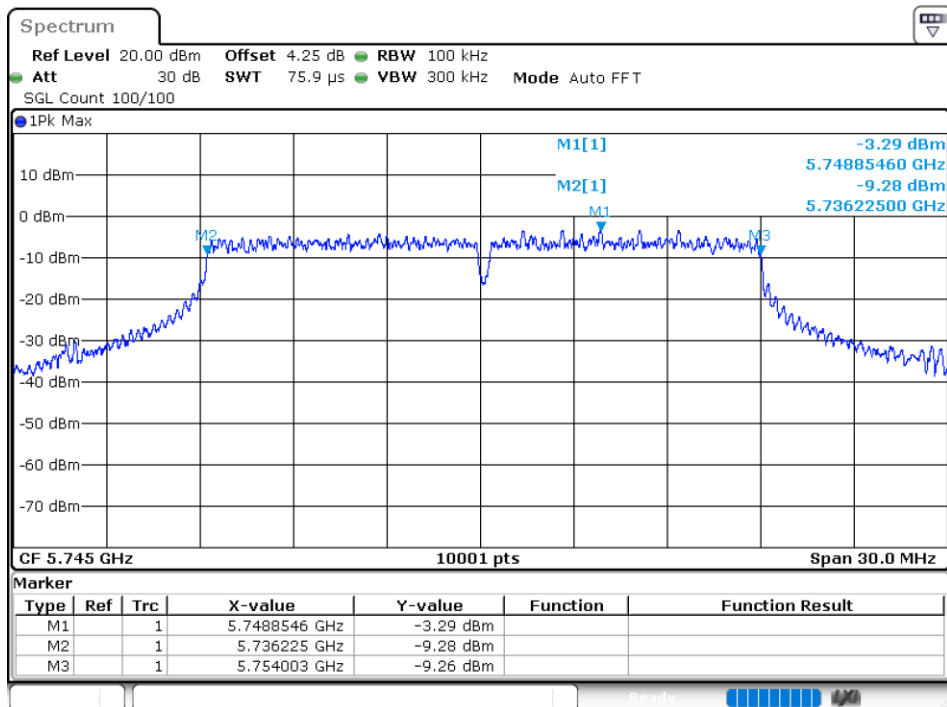
| Type | Ref | Trc | X-value       | Y-value   | Function | Function Result |
|------|-----|-----|---------------|-----------|----------|-----------------|
| M1   |     | 1   | 5.7788626 GHz | -1.84 dBm |          |                 |
| M2   |     | 1   | 5.776942 GHz  | -7.75 dBm |          |                 |
| M3   |     | 1   | 5.793271 GHz  | -7.73 dBm |          |                 |

Ready

-6dB Bandwidth NVNT a 5825MHz Ant1

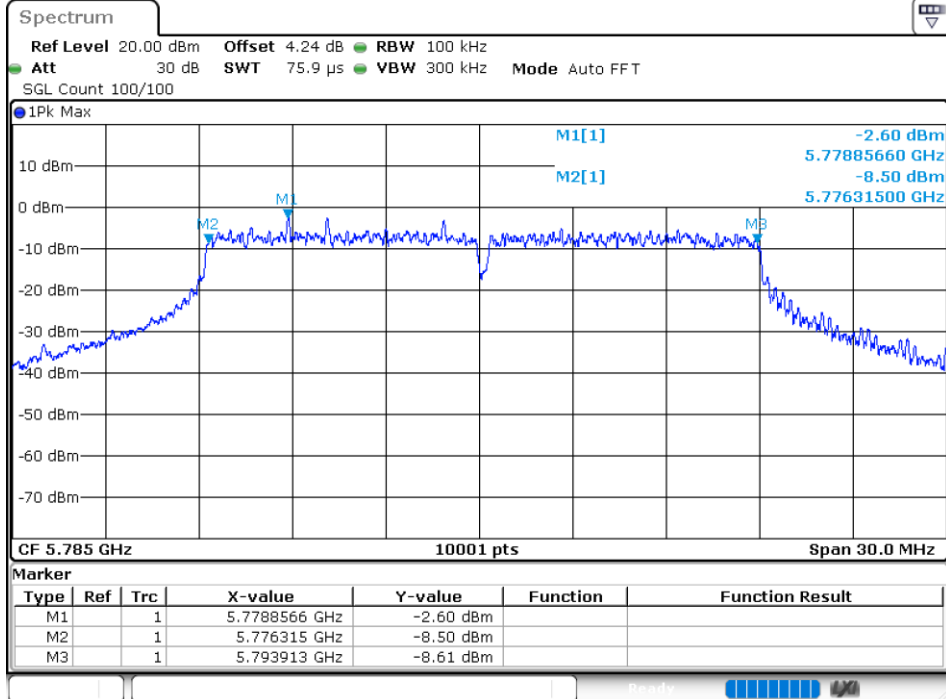


-6dB Bandwidth NVNT n20 5745MHz Ant1

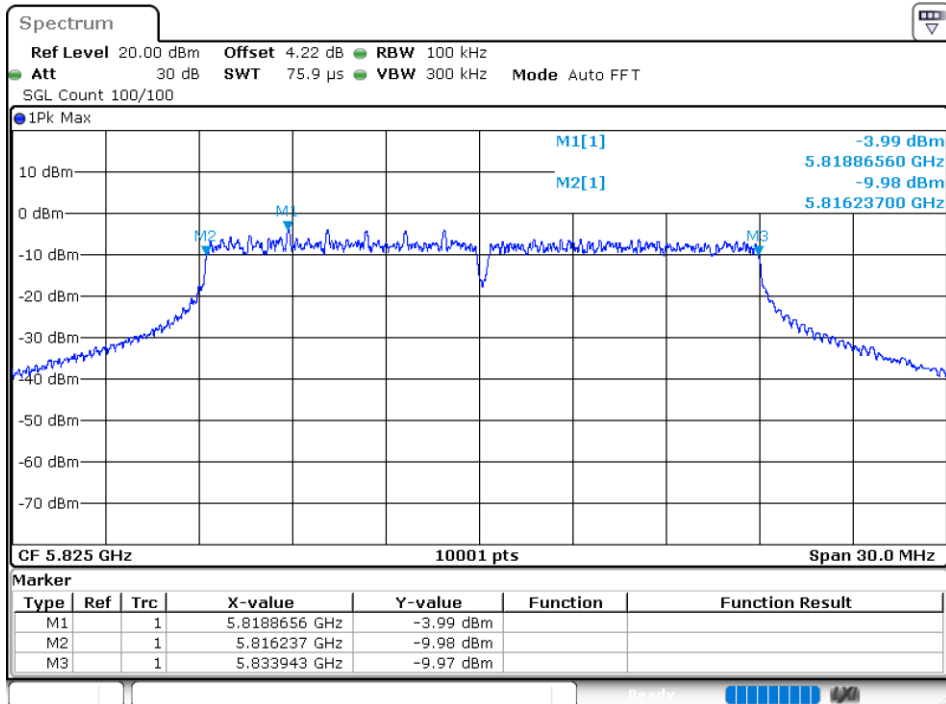




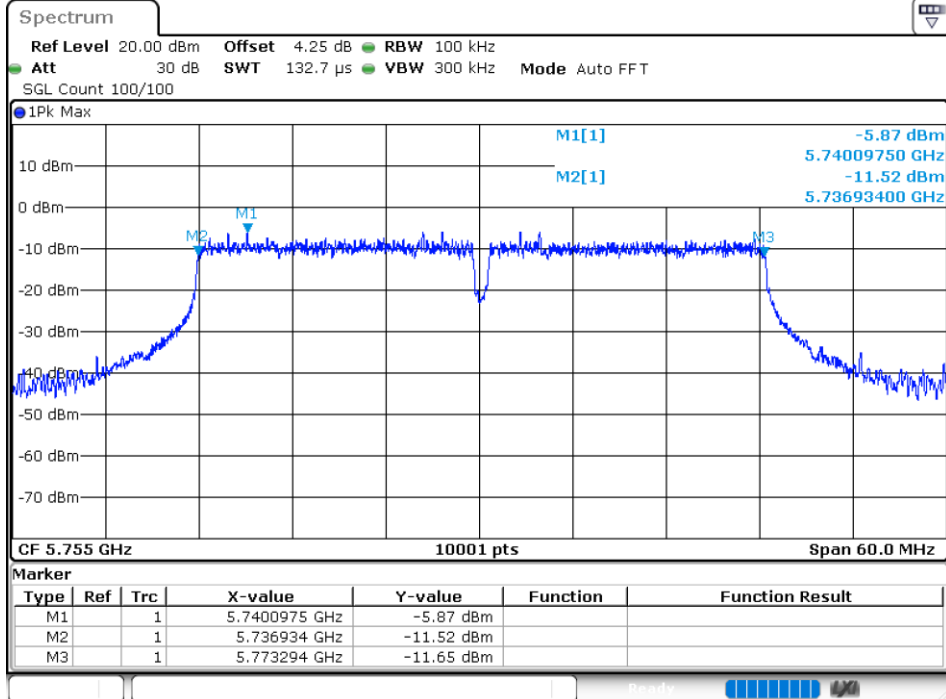
-6dB Bandwidth NVNT n20 5785MHz Ant1



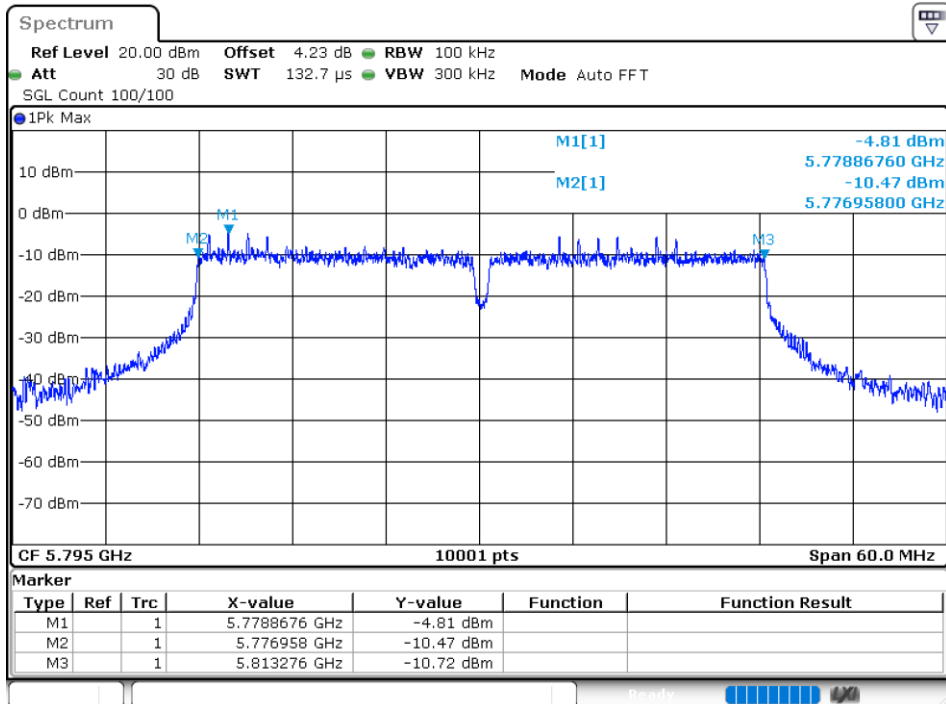
-6dB Bandwidth NVNT n20 5825MHz Ant1



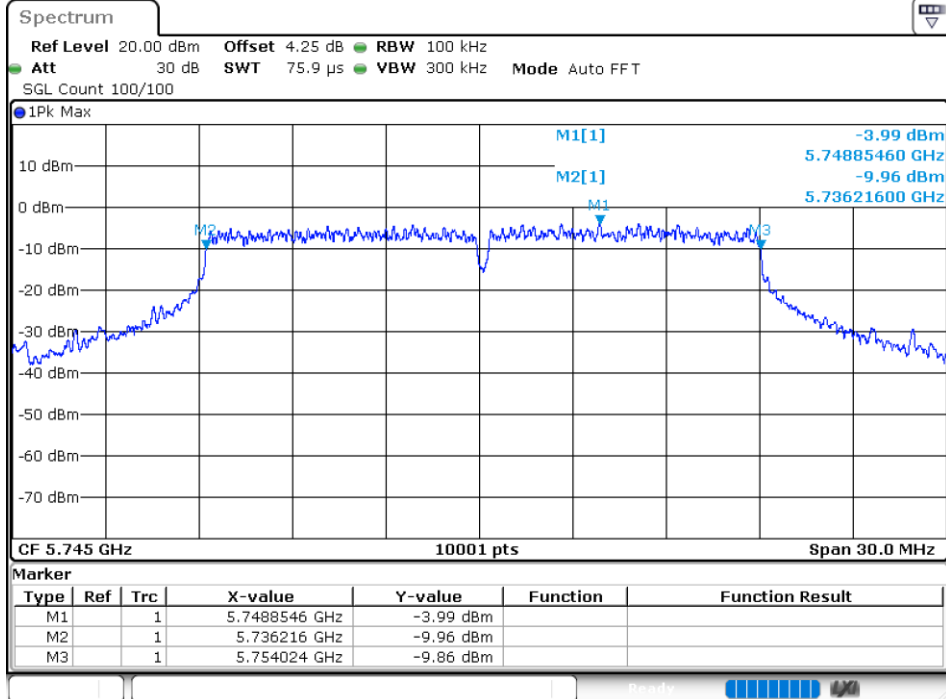
-6dB Bandwidth NVNT n40 5755MHz Ant1



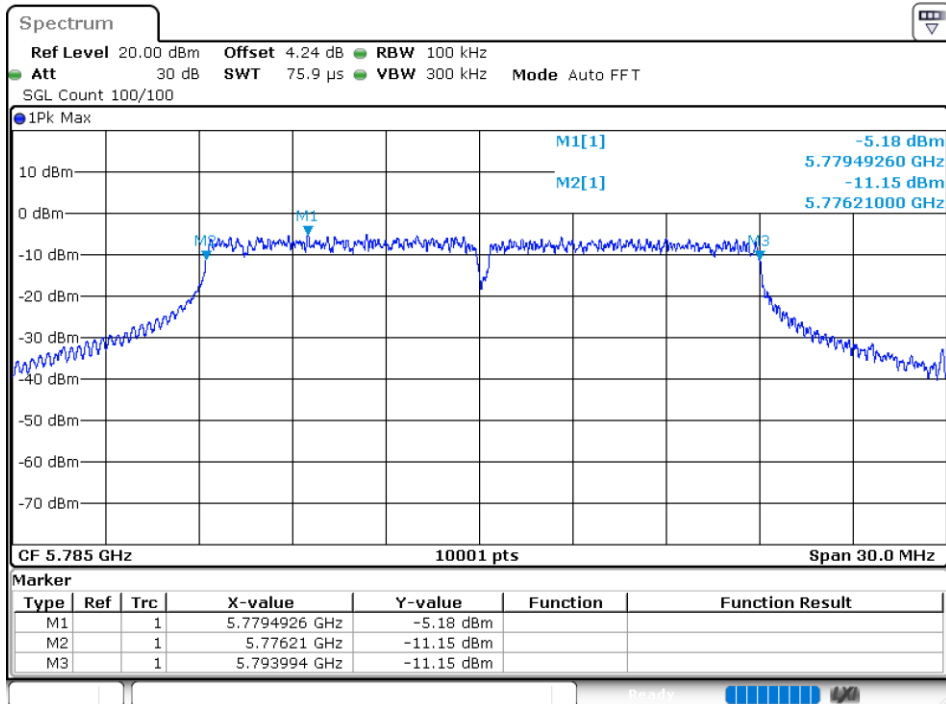
-6dB Bandwidth NVNT n40 5795MHz Ant1



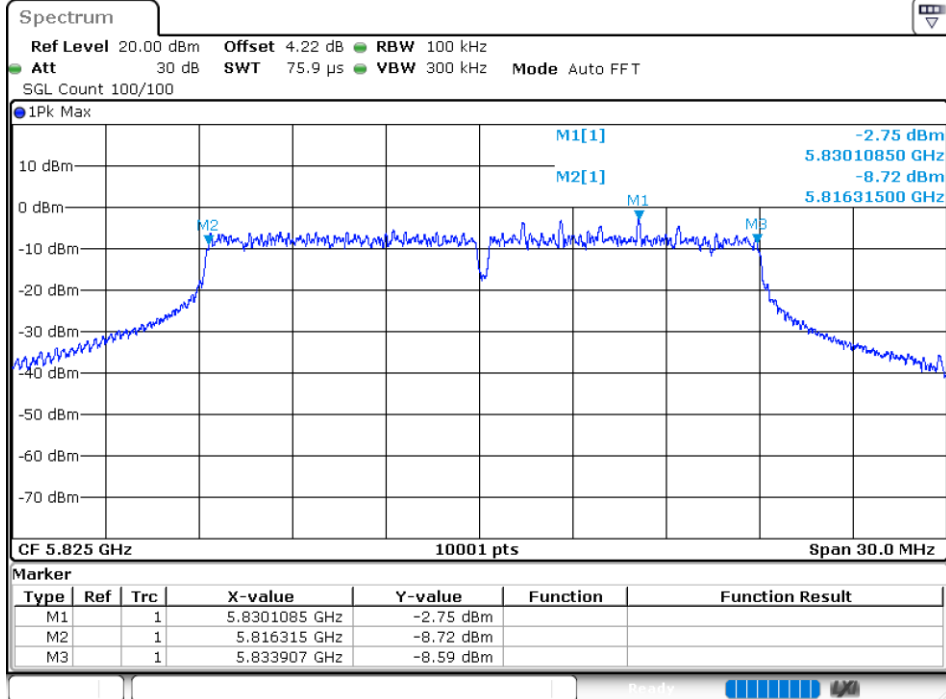
-6dB Bandwidth NVNT ac20 5745MHz Ant1



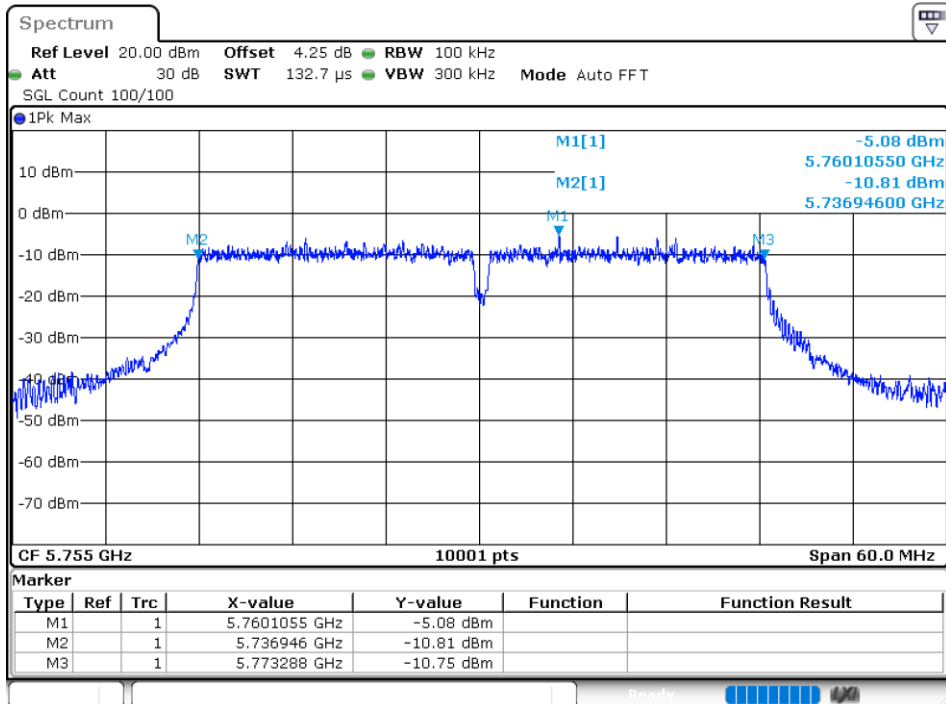
-6dB Bandwidth NVNT ac20 5785MHz Ant1



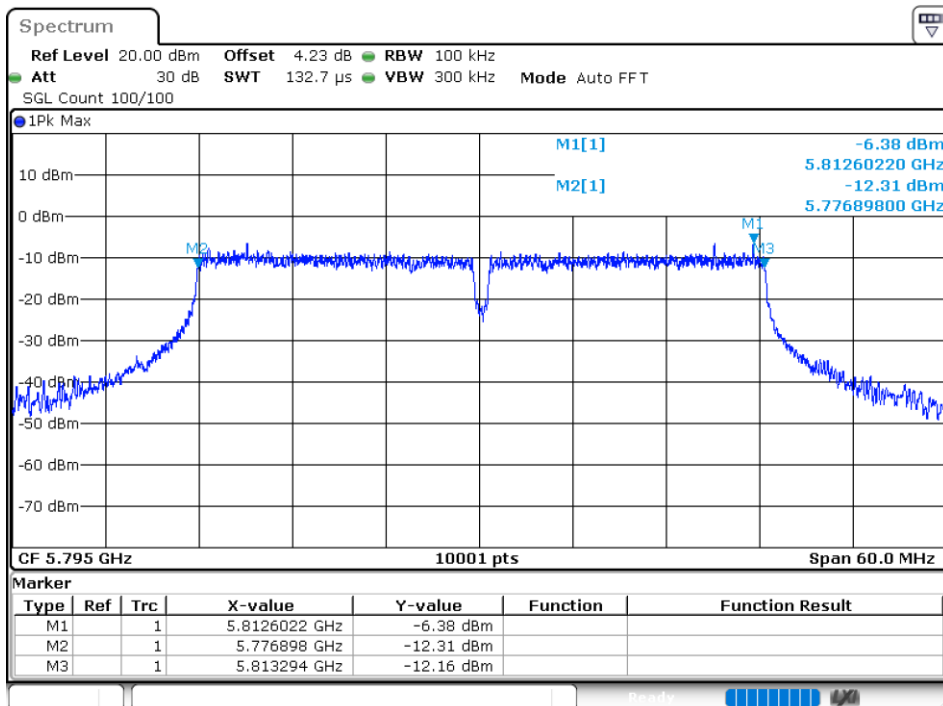
## -6dB Bandwidth NVNT ac20 5825MHz Ant1



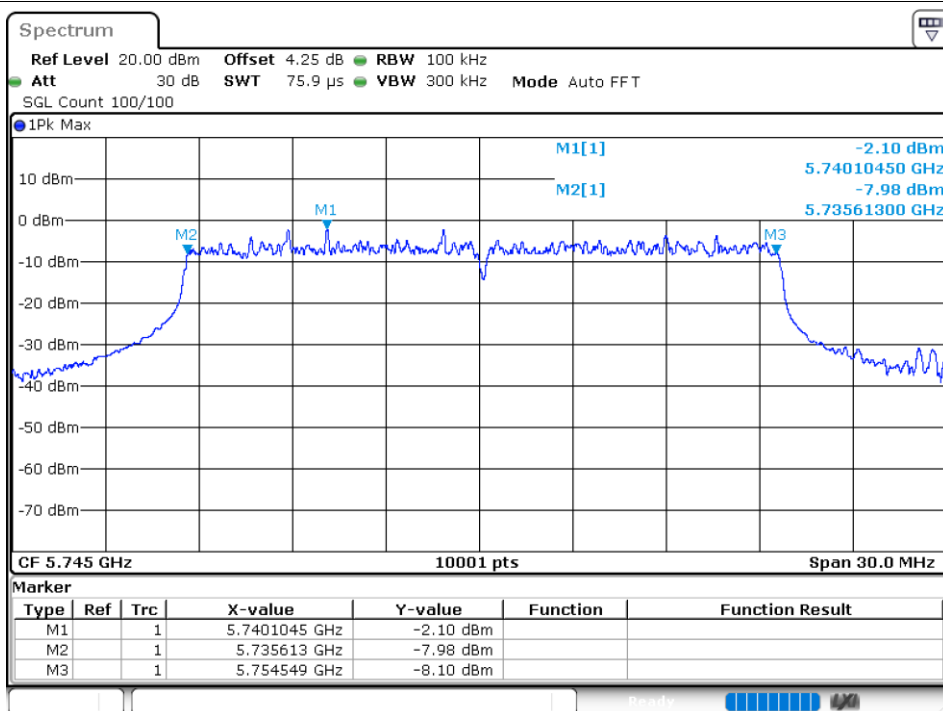
## -6dB Bandwidth NVNT ac40 5755MHz Ant1



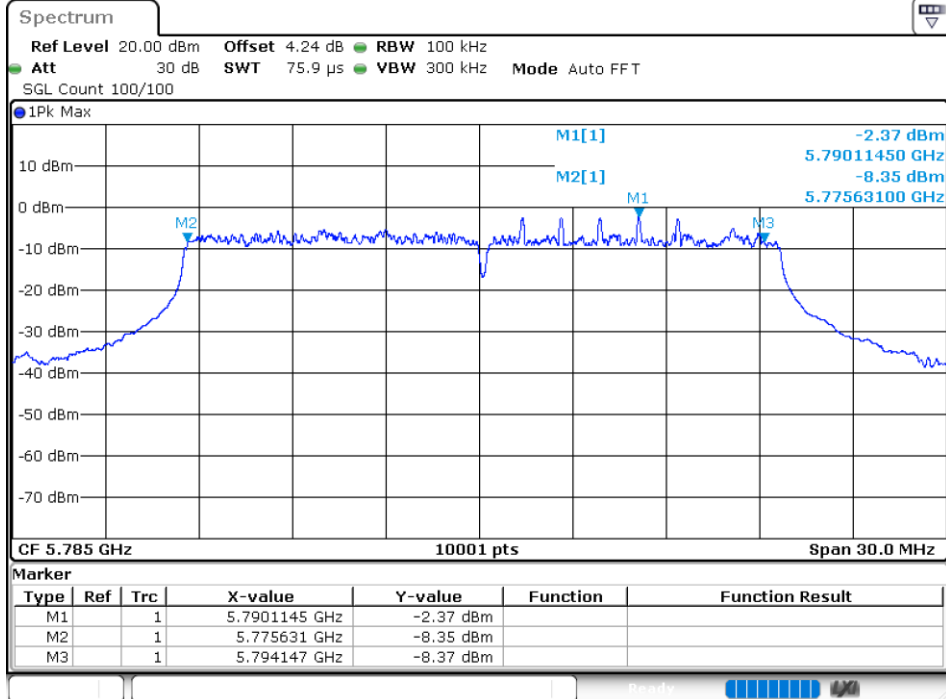
-6dB Bandwidth NVNT ac40 5795MHz Ant1



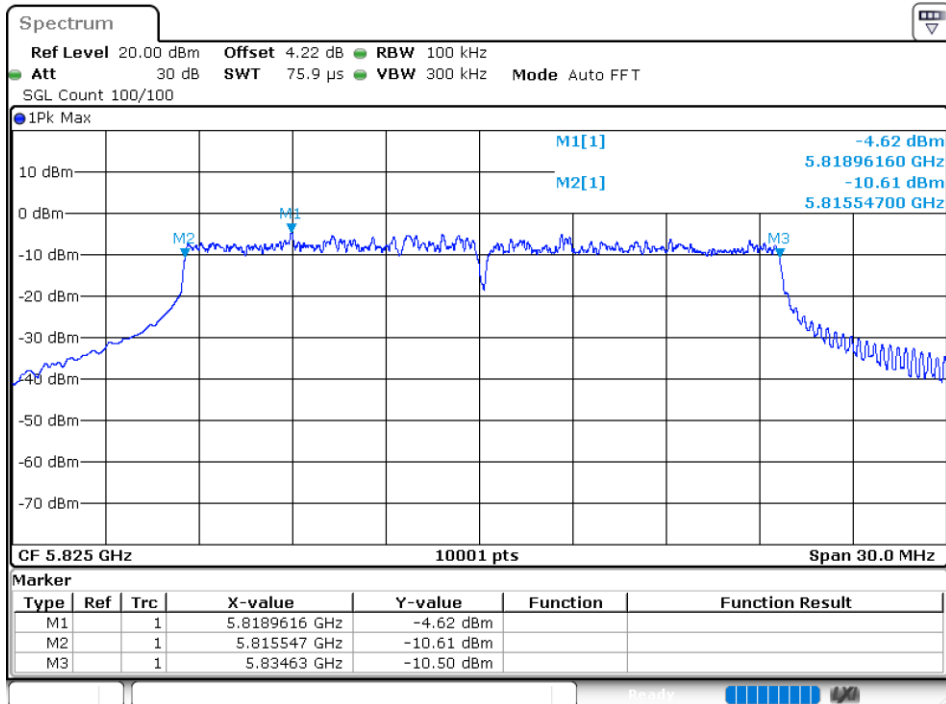
-6dB Bandwidth NVNT ax20 5745MHz Ant1



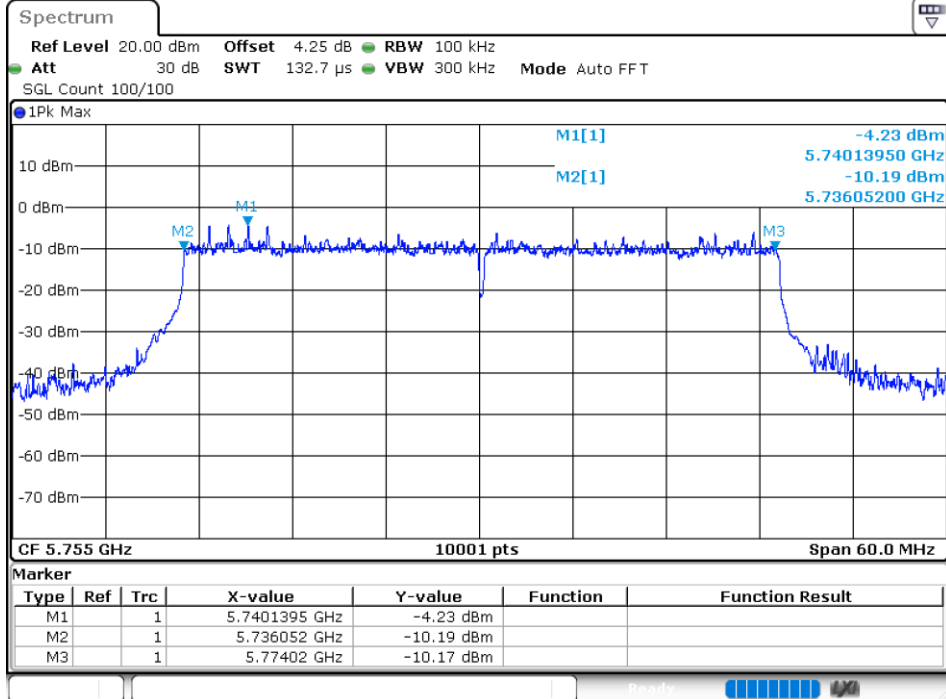
-6dB Bandwidth NVNT ax20 5785MHz Ant1



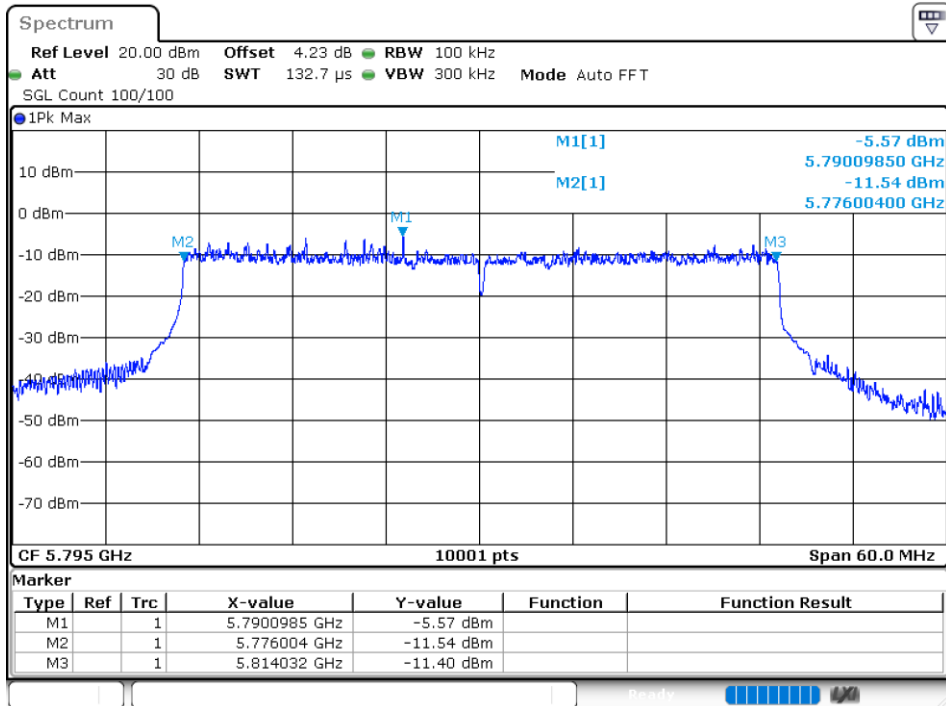
-6dB Bandwidth NVNT ax20 5825MHz Ant1



-6dB Bandwidth NVNT ax40 5755MHz Ant1



-6dB Bandwidth NVNT ax40 5795MHz Ant1



## Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5745            | Ant1    | 16.696        |
| NVNT      | a    | 5785            | Ant1    | 16.681        |
| NVNT      | a    | 5825            | Ant1    | 17.047        |
| NVNT      | n20  | 5745            | Ant1    | 17.986        |
| NVNT      | n20  | 5785            | Ant1    | 18.034        |
| NVNT      | n20  | 5825            | Ant1    | 17.962        |
| NVNT      | n40  | 5755            | Ant1    | 36.8          |
| NVNT      | n40  | 5795            | Ant1    | 36.926        |
| NVNT      | ac20 | 5745            | Ant1    | 17.902        |
| NVNT      | ac20 | 5785            | Ant1    | 18.007        |
| NVNT      | ac20 | 5825            | Ant1    | 18.127        |
| NVNT      | ac40 | 5755            | Ant1    | 36.902        |
| NVNT      | ac40 | 5795            | Ant1    | 36.896        |
| NVNT      | ax20 | 5745            | Ant1    | 19.084        |
| NVNT      | ax20 | 5785            | Ant1    | 19.138        |
| NVNT      | ax20 | 5825            | Ant1    | 19.102        |
| NVNT      | ax40 | 5755            | Ant1    | 38.108        |
| NVNT      | ax40 | 5795            | Ant1    | 38.096        |