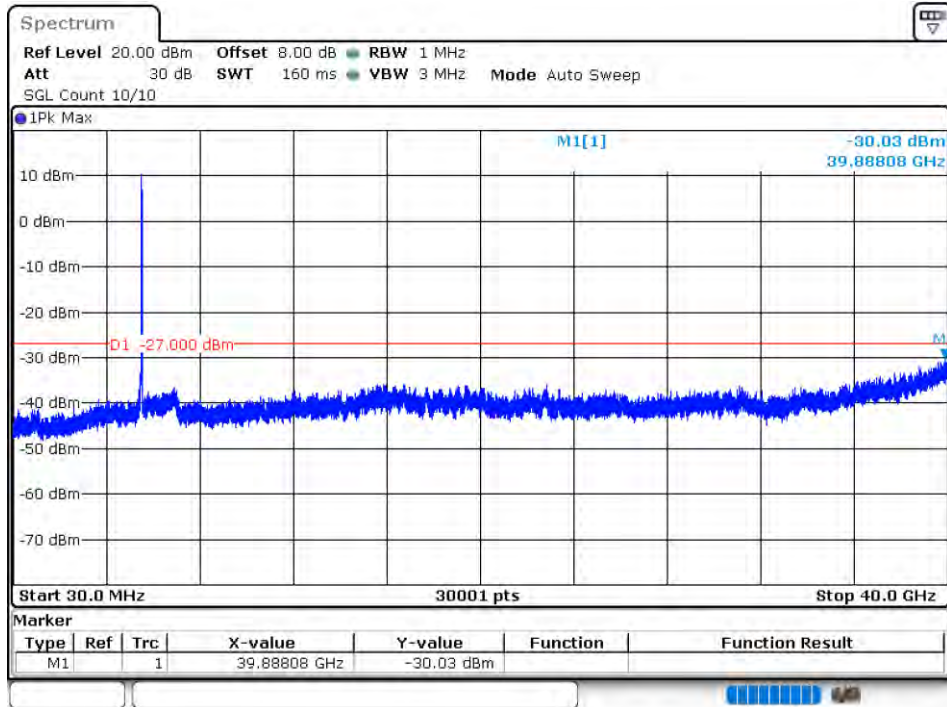
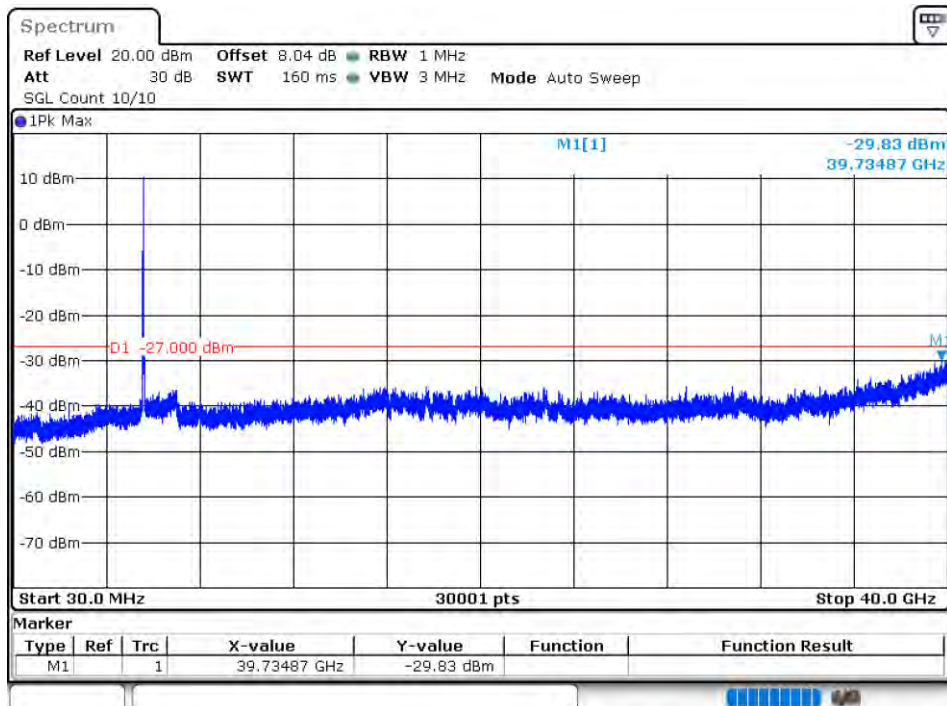


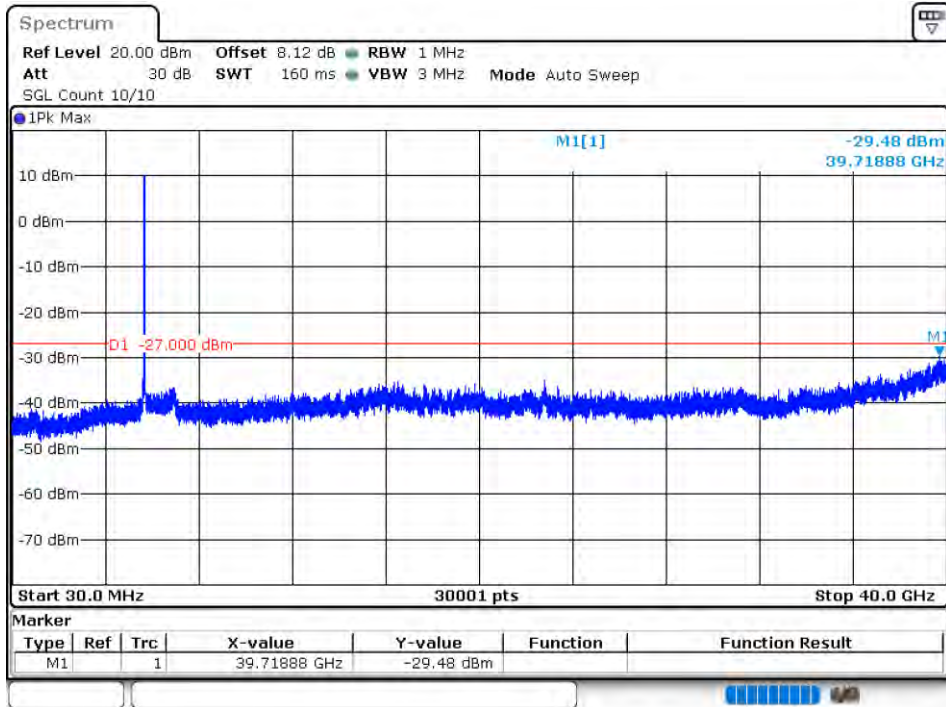
Tx. Spurious NVNT ac40 5510MHz Ant1 Emission



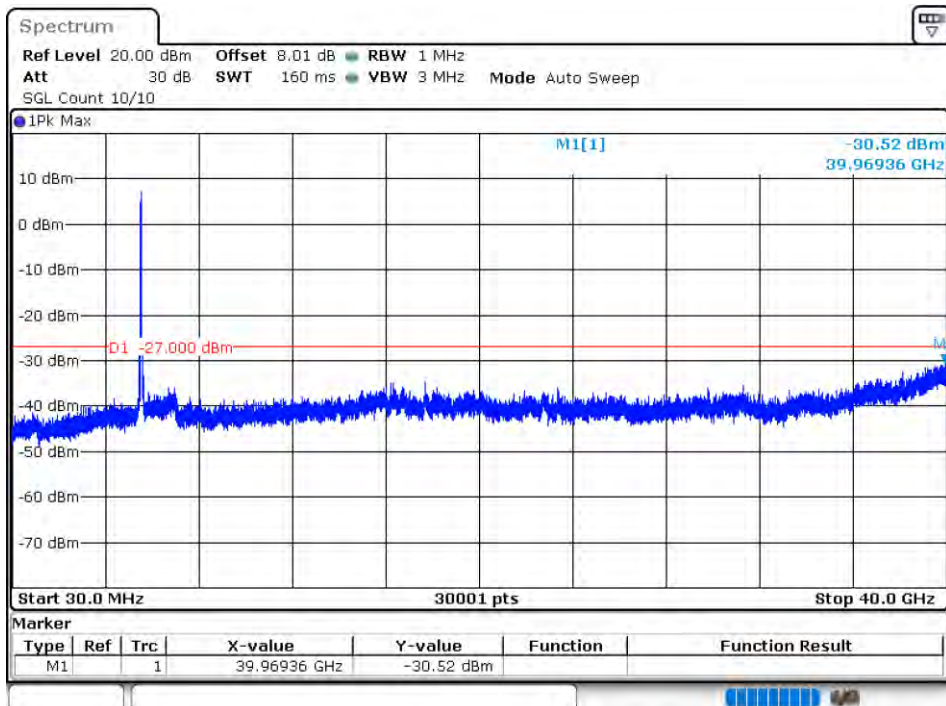
Tx. Spurious NVNT ac40 5590MHz Ant1 Emission

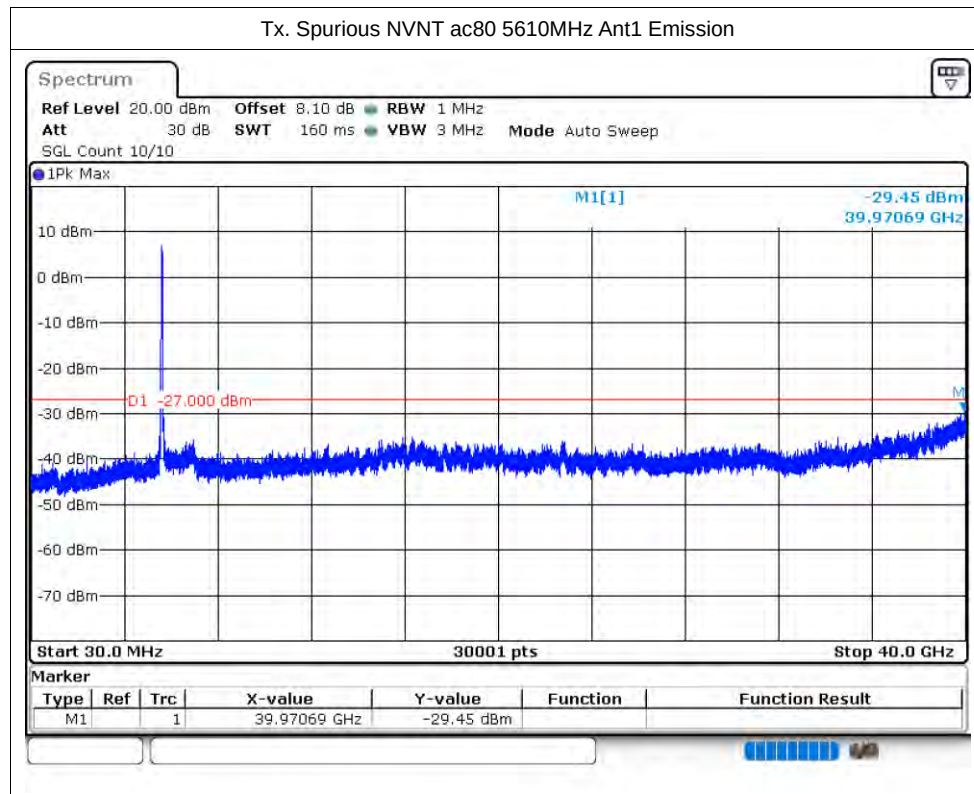


Tx. Spurious NVNT ac40 5670MHz Ant1 Emission



Tx. Spurious NVNT ac80 5530MHz Ant1 Emission





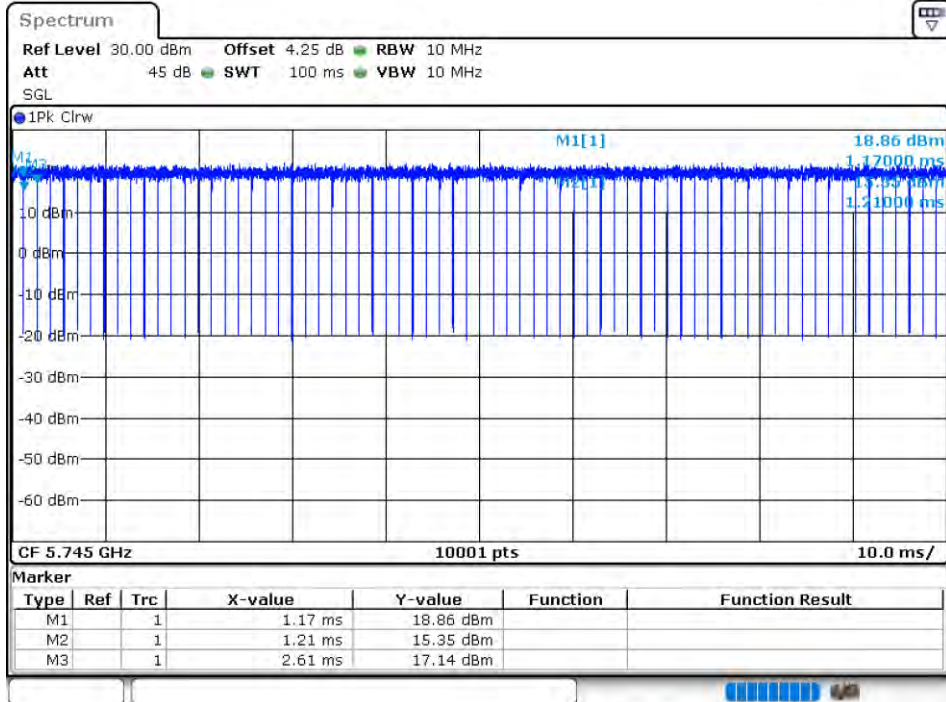
## 5.8G WIFI

### Duty Cycle

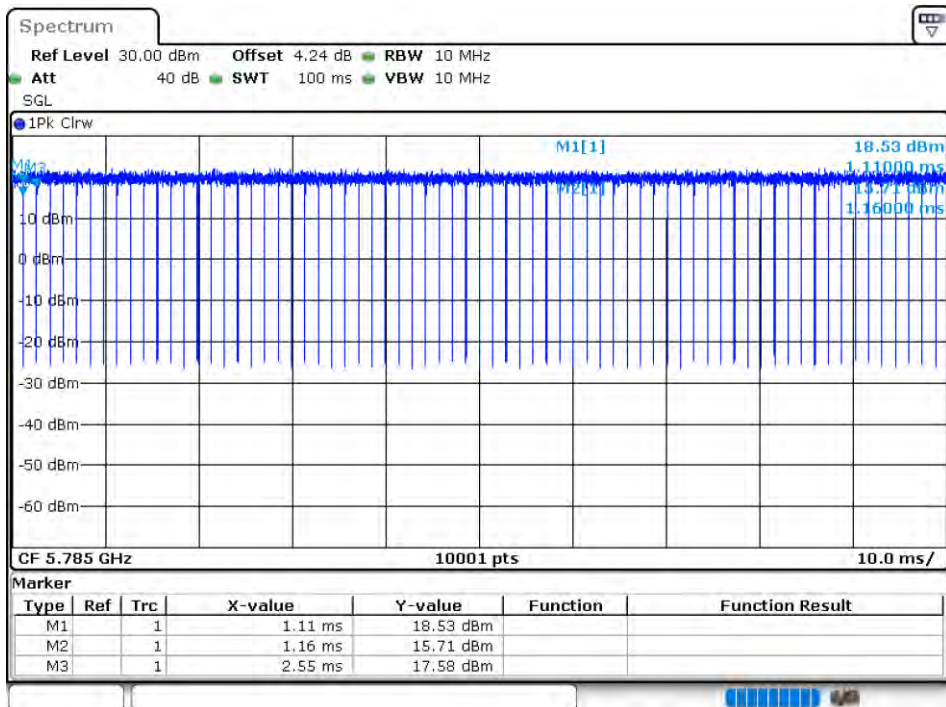
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5745            | Ant1    | 97.64          | 0.1                    | 0.71      |
| NVNT      | a    | 5785            | Ant1    | 97.61          | 0.11                   | 0.72      |
| NVNT      | a    | 5825            | Ant1    | 99.19          | 0.04                   | 0.71      |
| NVNT      | n20  | 5745            | Ant1    | 97.44          | 0.11                   | 0.77      |
| NVNT      | n20  | 5785            | Ant1    | 97.44          | 0.11                   | 0.77      |
| NVNT      | n20  | 5825            | Ant1    | 99.39          | 0.03                   | 0.75      |
| NVNT      | n40  | 5755            | Ant1    | 97.65          | 0.1                    | 0.48      |
| NVNT      | n40  | 5795            | Ant1    | 98.21          | 0.08                   | 0.73      |
| NVNT      | ac20 | 5745            | Ant1    | 97.44          | 0.11                   | 0.76      |
| NVNT      | ac20 | 5785            | Ant1    | 97.42          | 0.11                   | 0.76      |
| NVNT      | ac20 | 5825            | Ant1    | 97.45          | 0.11                   | 0.76      |
| NVNT      | ac40 | 5755            | Ant1    | 95.09          | 0.22                   | 1.52      |
| NVNT      | ac40 | 5795            | Ant1    | 95.13          | 0.22                   | 1.54      |
| NVNT      | ac80 | 5775            | Ant1    | 90.73          | 0.42                   | 3.12      |

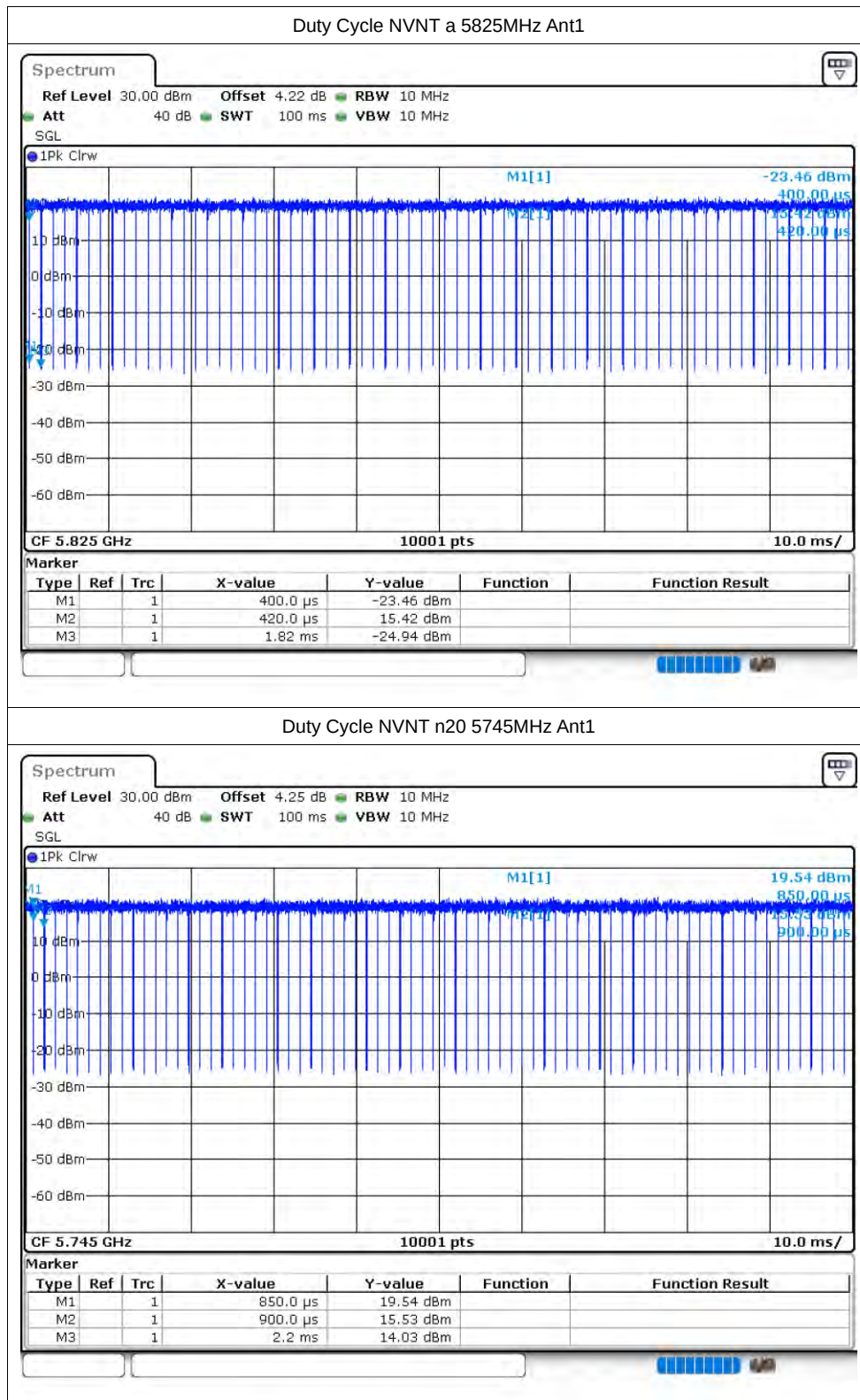
Test Graphs

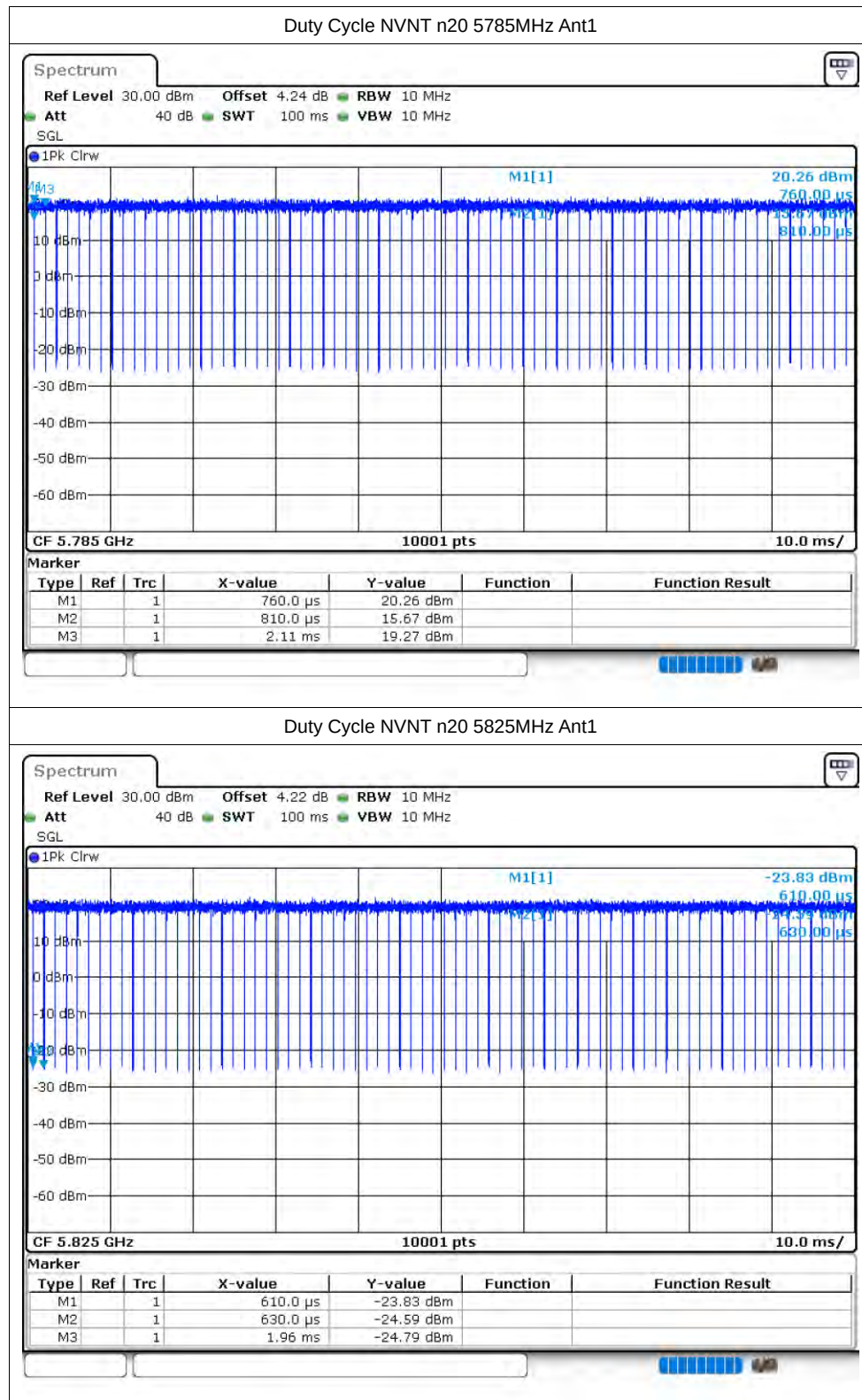
Duty Cycle NVNT a 5745MHz Ant1



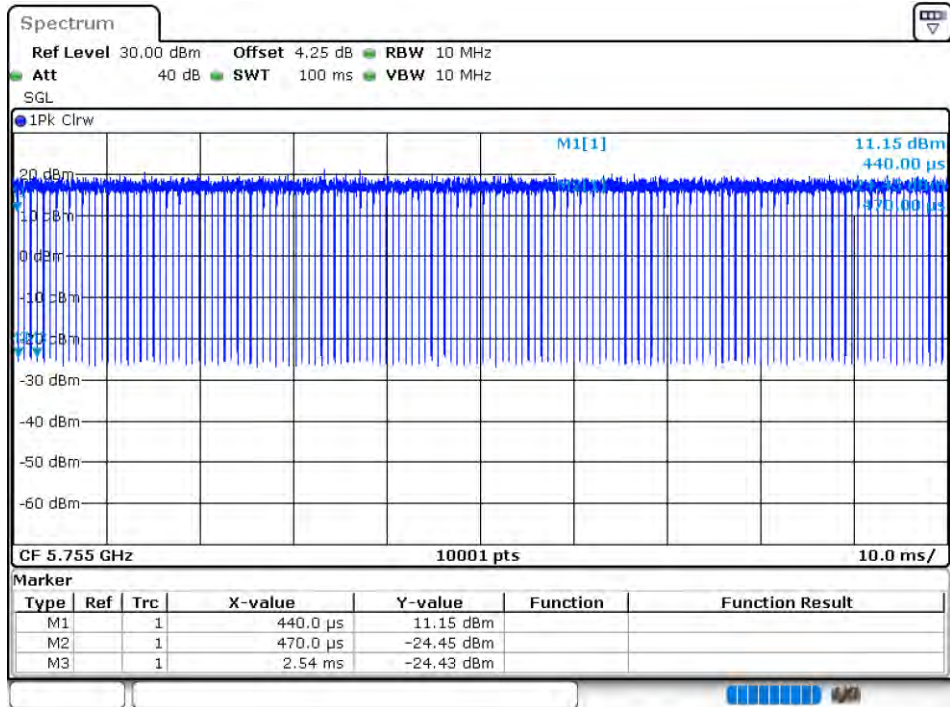
Duty Cycle NVNT a 5785MHz Ant1



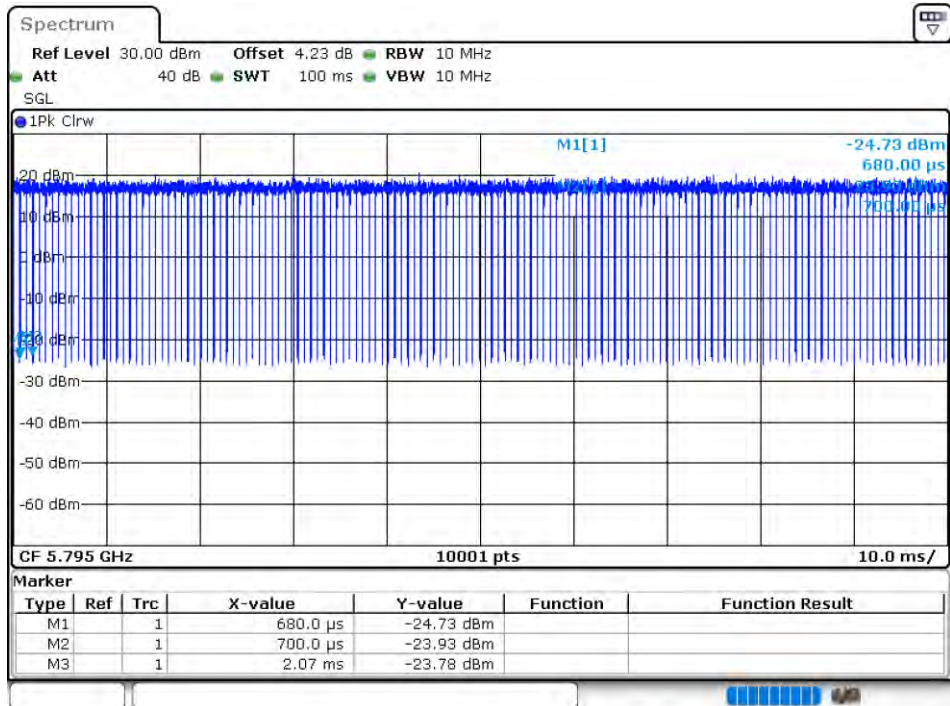




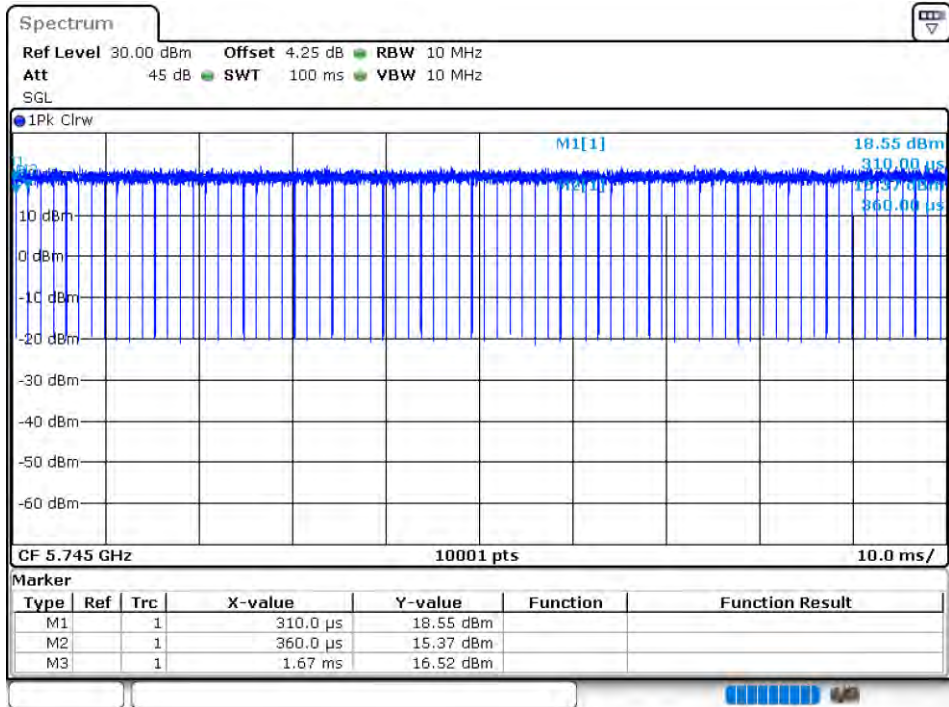
Duty Cycle NVNT n40 5755MHz Ant1



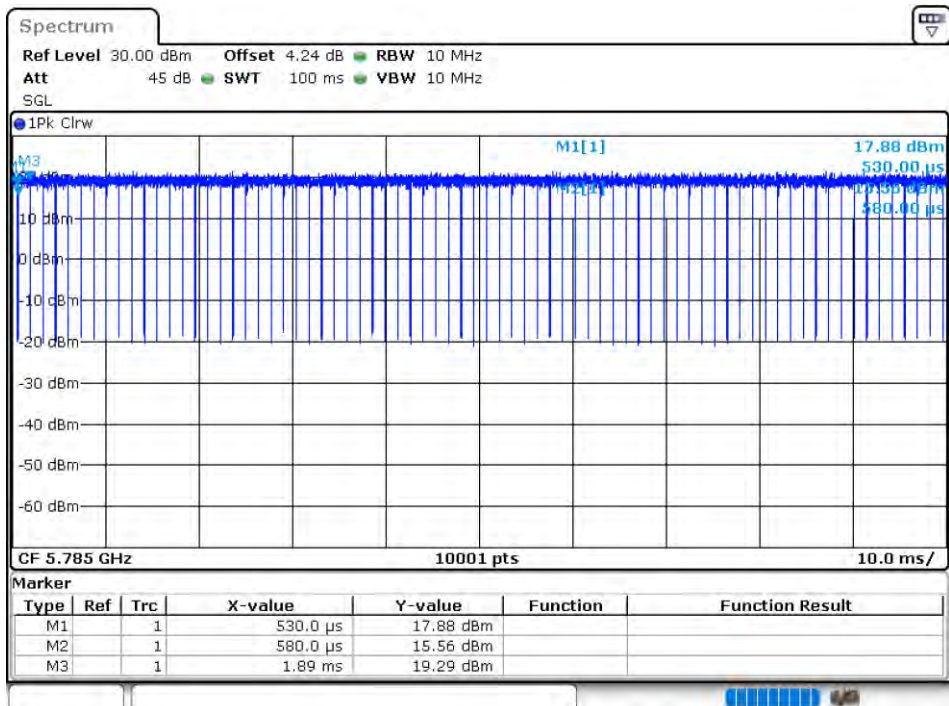
Duty Cycle NVNT n40 5795MHz Ant1



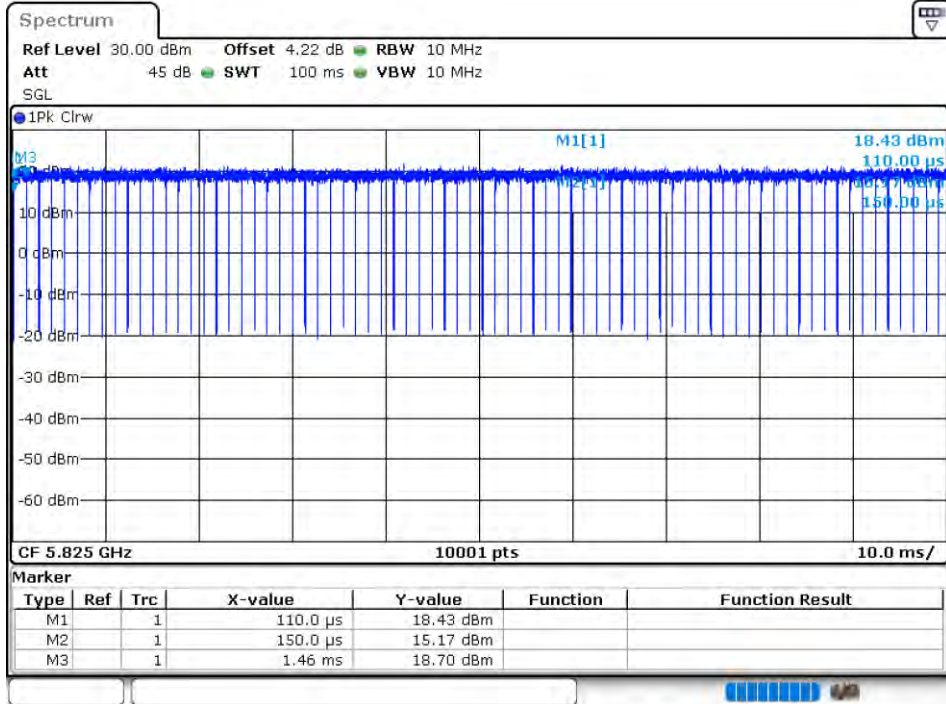
Duty Cycle NVNT ac20 5745MHz Ant1



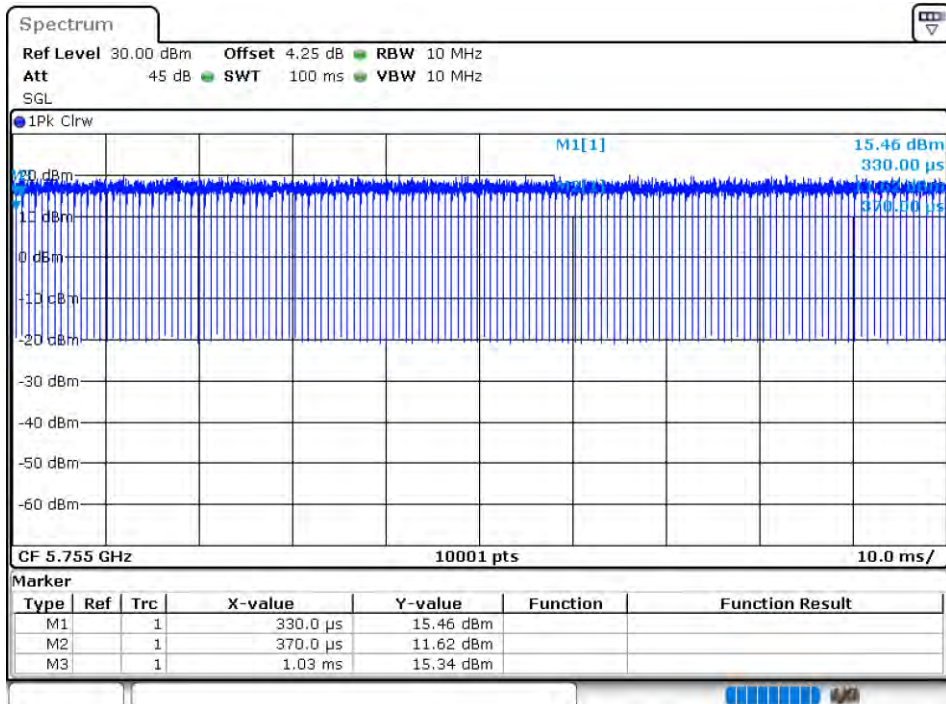
Duty Cycle NVNT ac20 5785MHz Ant1



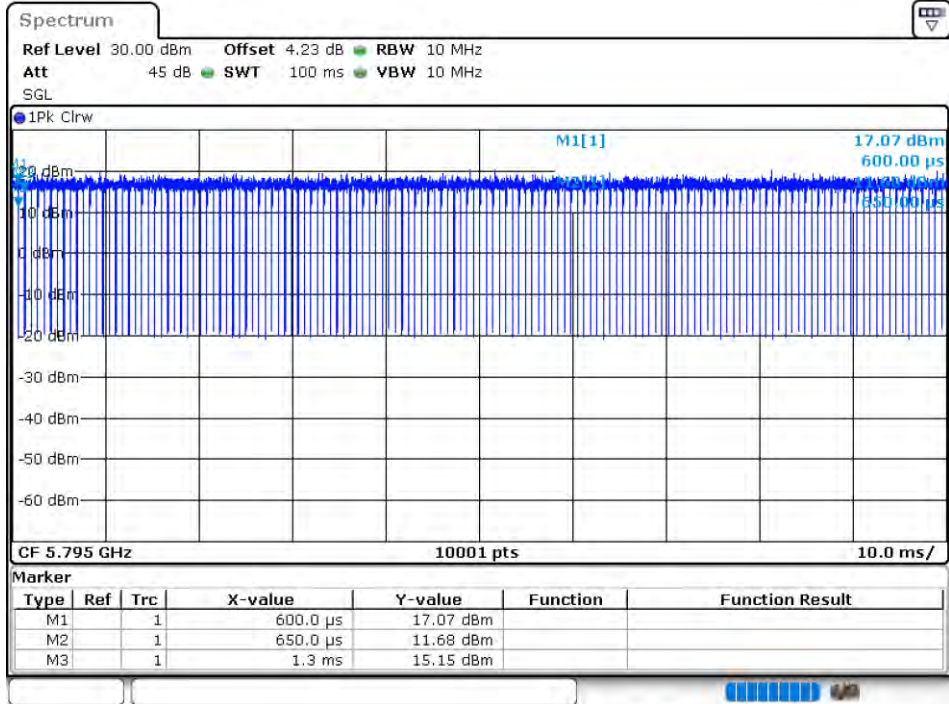
Duty Cycle NVNT ac20 5825MHz Ant1



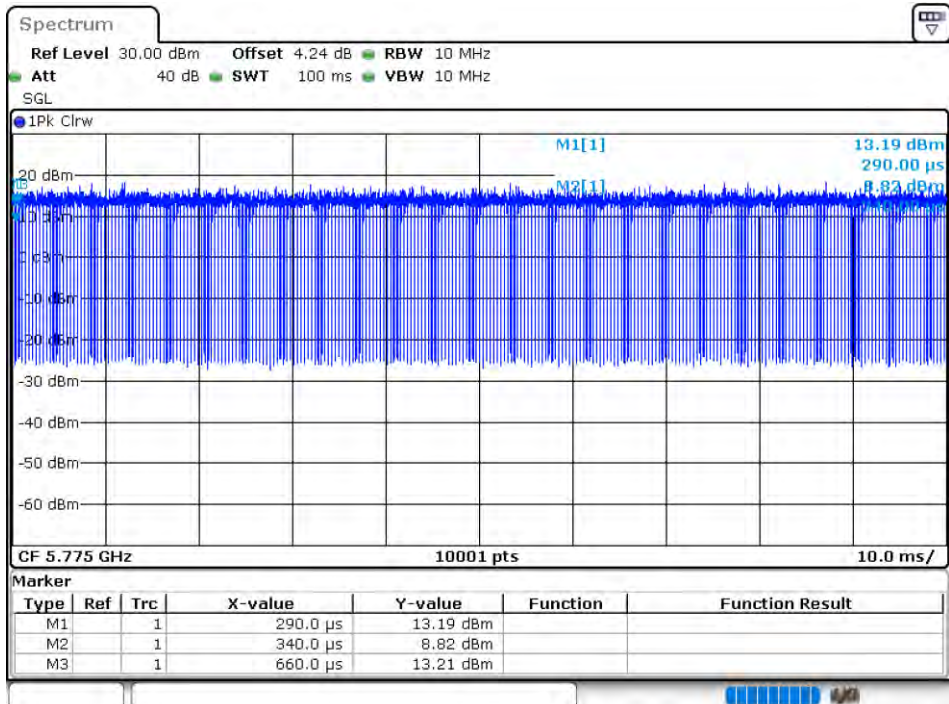
Duty Cycle NVNT ac40 5755MHz Ant1



Duty Cycle NVNT ac40 5795MHz Ant1



Duty Cycle NVNT ac80 5775MHz Ant1



## Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-------------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | 14.91             | 30          | Pass    |
| NVNT      | a    | 5785            | Ant1    | 15.14             | 30          | Pass    |
| NVNT      | a    | 5825            | Ant1    | 15.01             | 30          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 14.48             | 30          | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 14.82             | 30          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 14.76             | 30          | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 14.73             | 30          | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 14.66             | 30          | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 14.64             | 30          | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 14.97             | 30          | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 14.9              | 30          | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 14.7              | 30          | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 14.58             | 30          | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | 15.03             | 30          | Pass    |

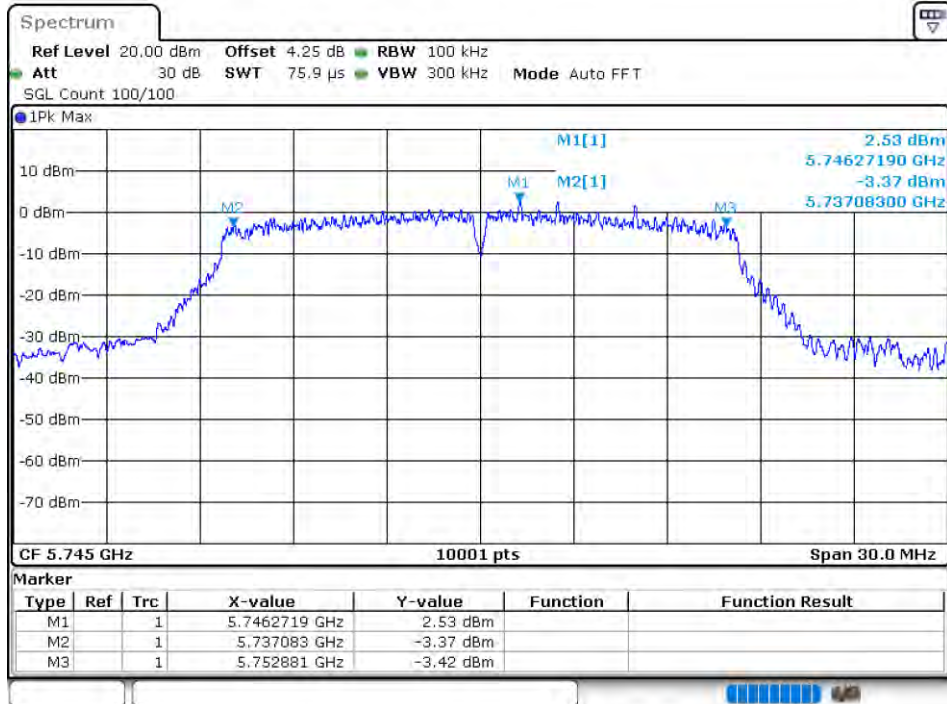
Note: The average power contains duty factor

# -6dB Bandwidth

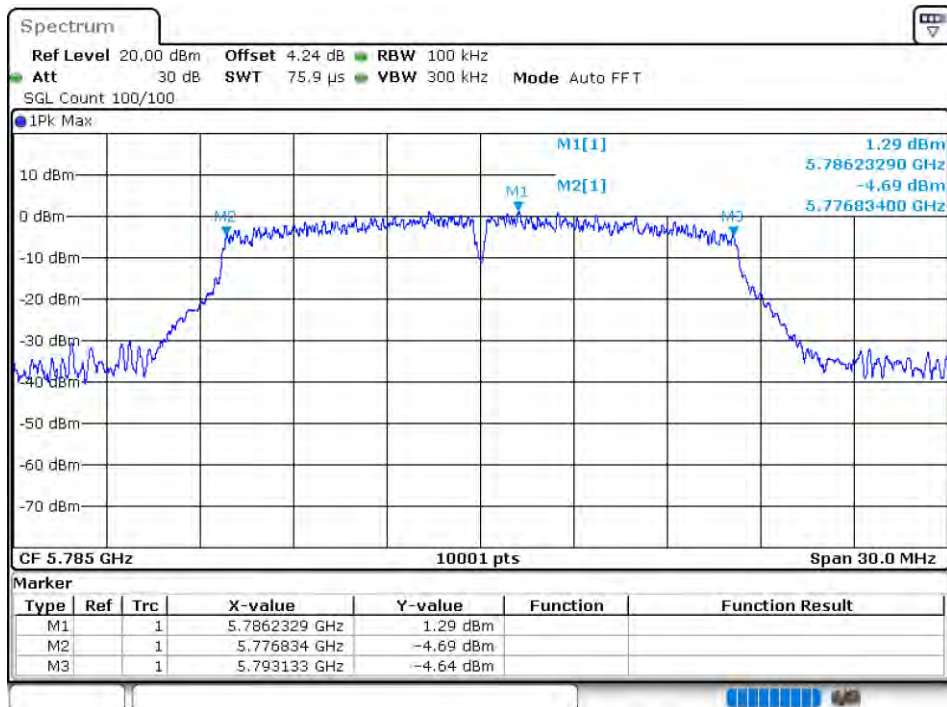
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | a    | 5745            | Ant1    | 15.798                | 0.5                         | Pass    |
| NVNT      | a    | 5785            | Ant1    | 16.299                | 0.5                         | Pass    |
| NVNT      | a    | 5825            | Ant1    | 16.278                | 0.5                         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 16.905                | 0.5                         | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 17.562                | 0.5                         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 14.151                | 0.5                         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 35.112                | 0.5                         | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 31.734                | 0.5                         | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 14.73                 | 0.5                         | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 14.022                | 0.5                         | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 17.541                | 0.5                         | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 29.424                | 0.5                         | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 34.098                | 0.5                         | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | 75.036                | 0.5                         | Pass    |

Test Graphs

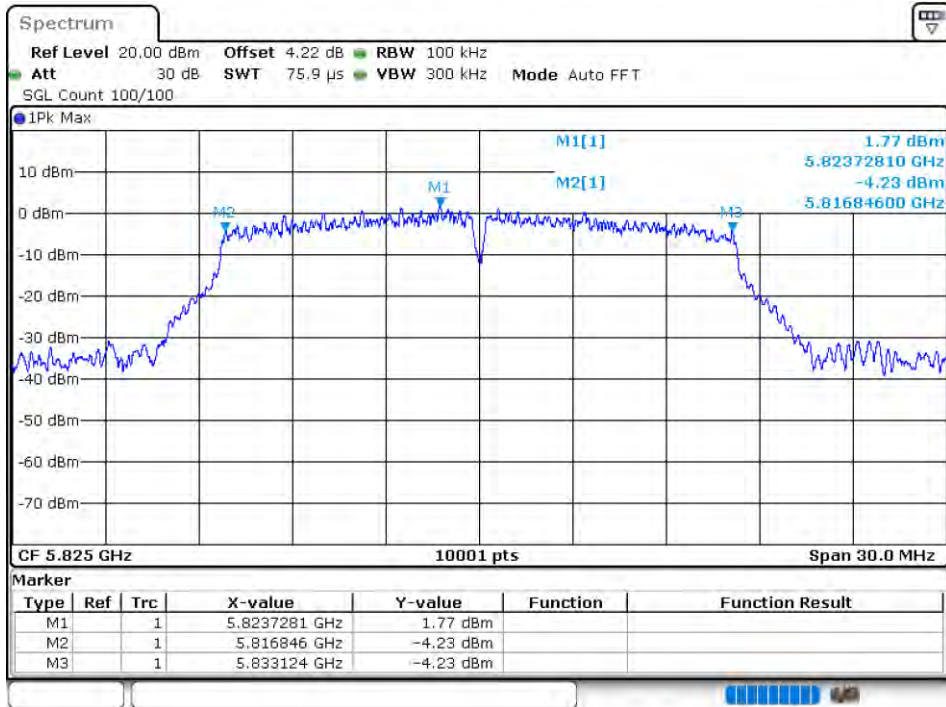
-6dB Bandwidth NVNT a 5745MHz Ant1



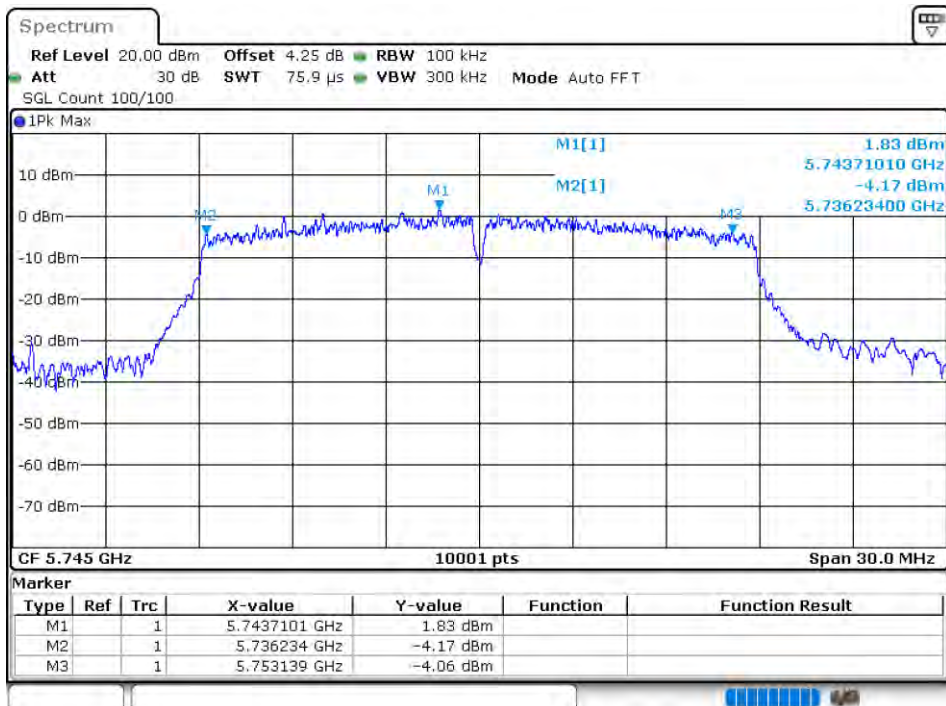
-6dB Bandwidth NVNT a 5785MHz Ant1



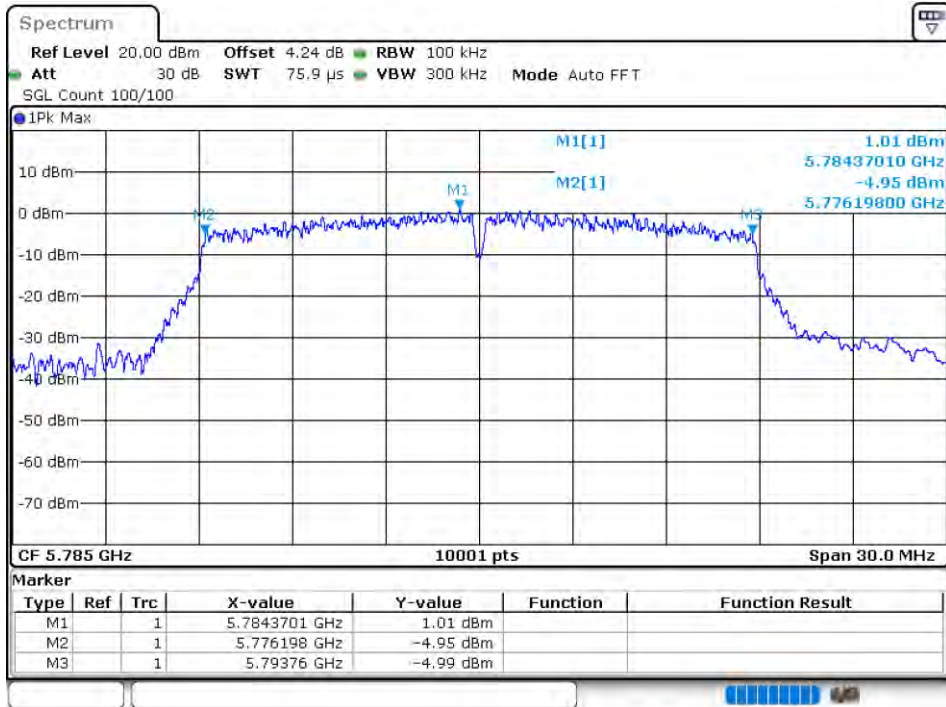
-6dB Bandwidth NVNT a 5825MHz Ant1



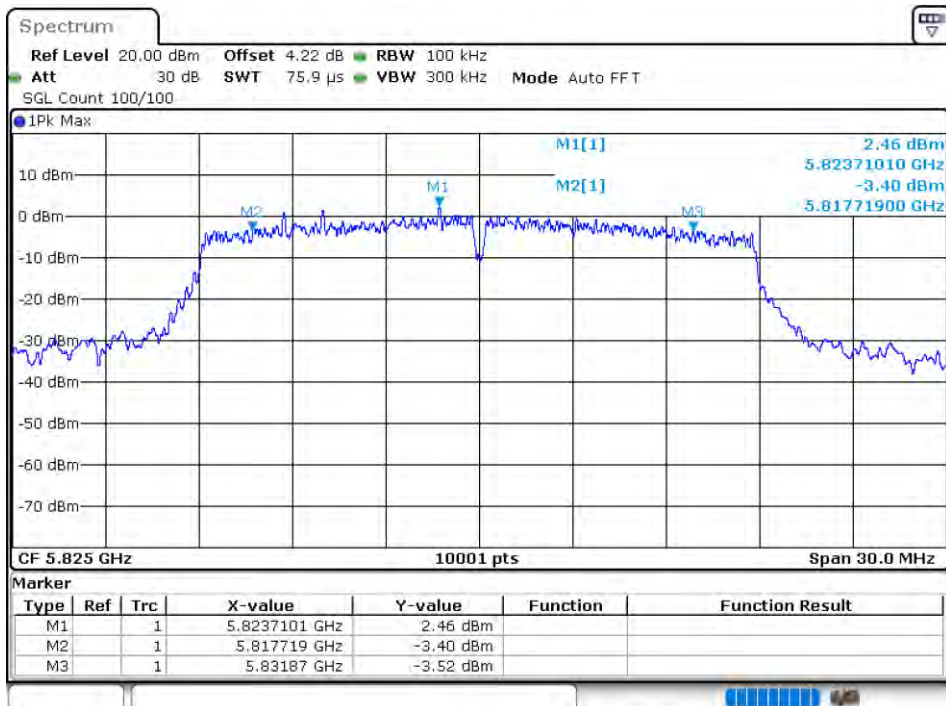
-6dB Bandwidth NVNT n20 5745MHz Ant1



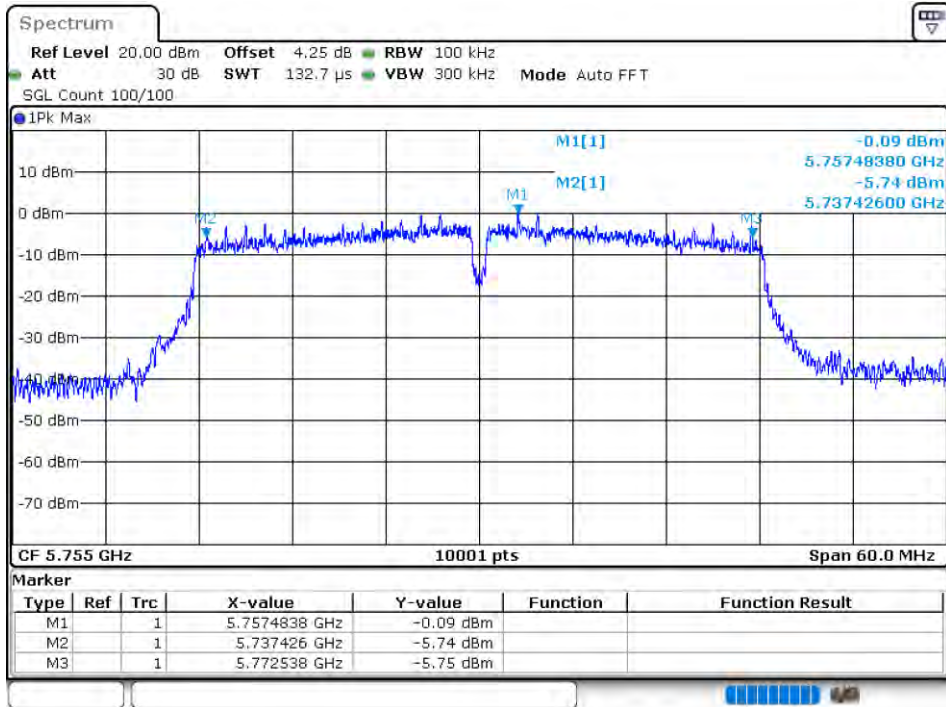
-6dB Bandwidth NVNT n20 5785MHz Ant1



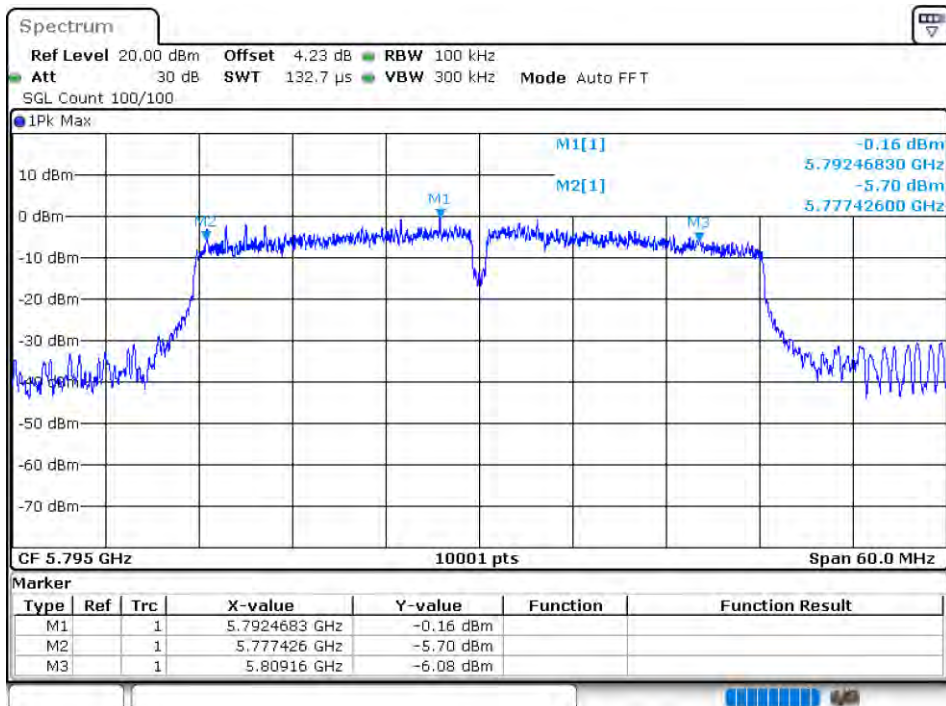
-6dB Bandwidth NVNT n20 5825MHz Ant1



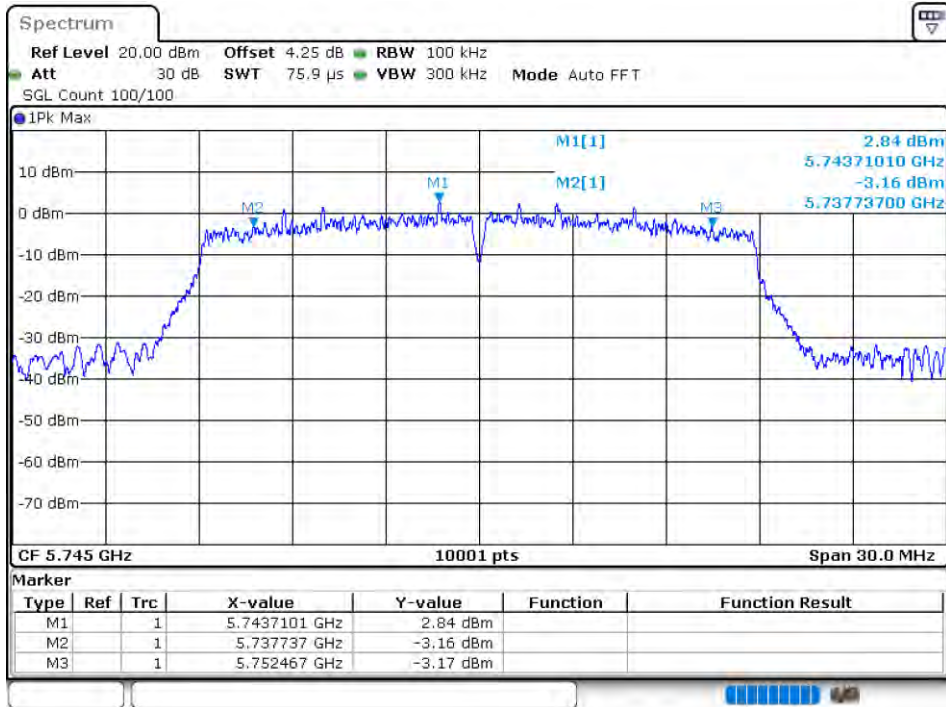
-6dB Bandwidth NVNT n40 5755MHz Ant1



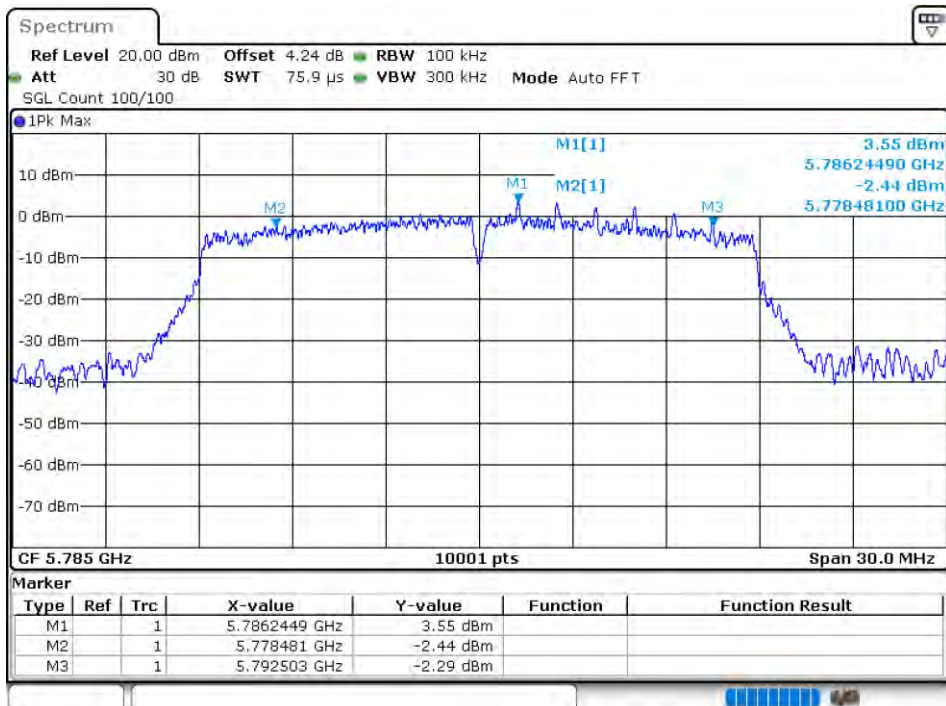
-6dB Bandwidth NVNT n40 5795MHz Ant1



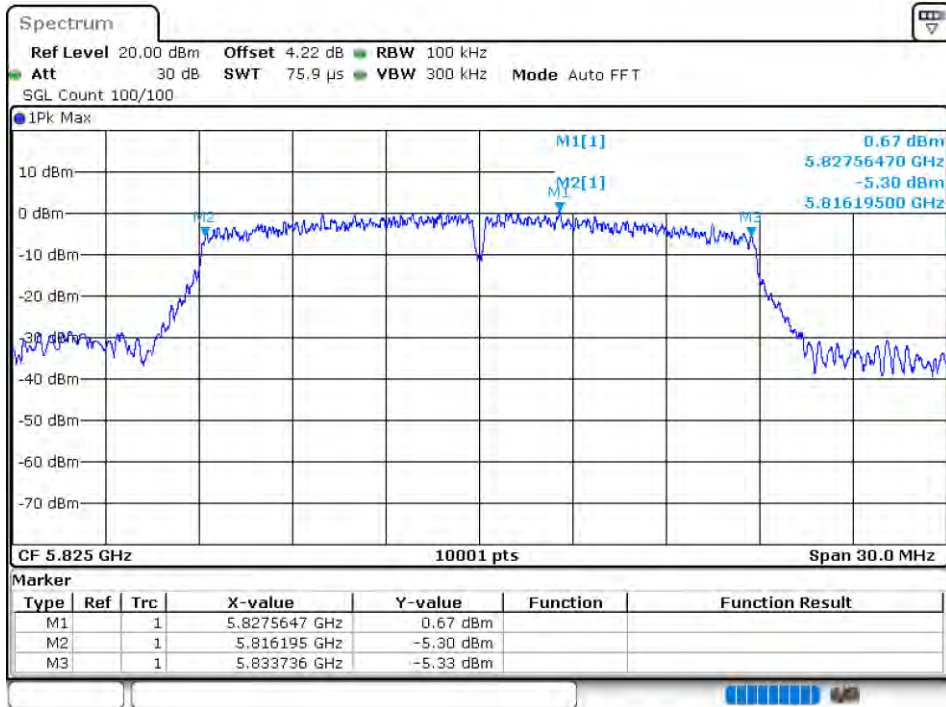
-6dB Bandwidth NVNT ac20 5745MHz Ant1



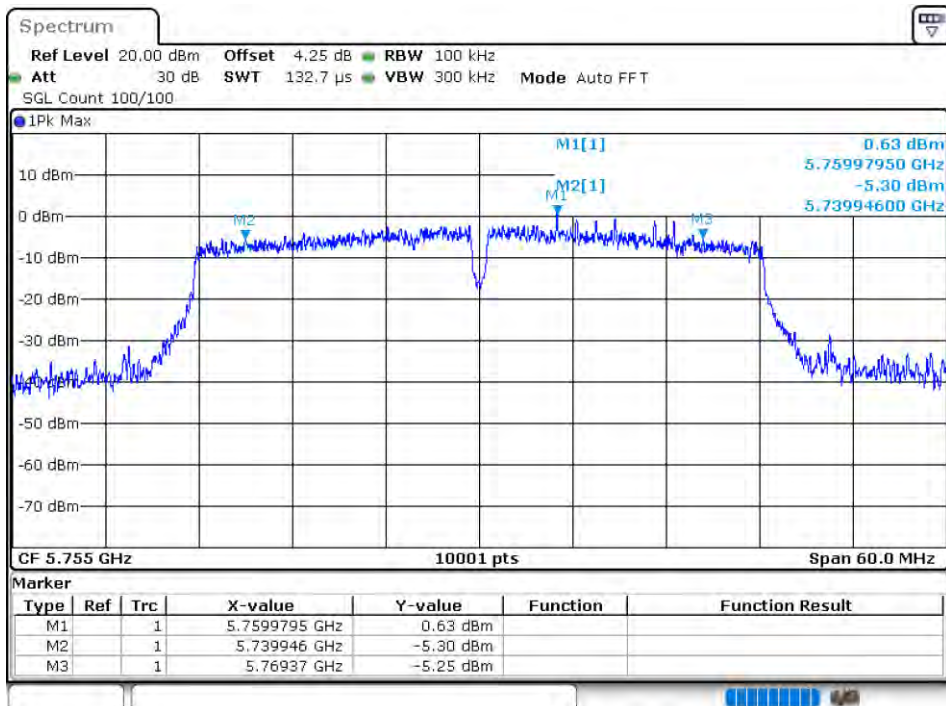
-6dB Bandwidth NVNT ac20 5785MHz Ant1



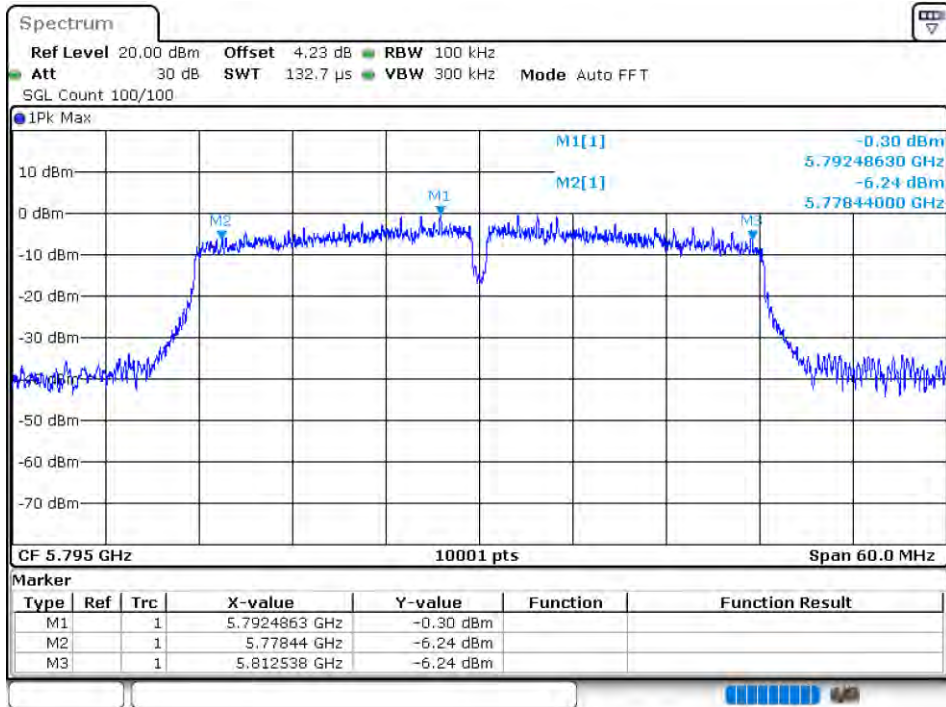
-6dB Bandwidth NVNT ac20 5825MHz Ant1



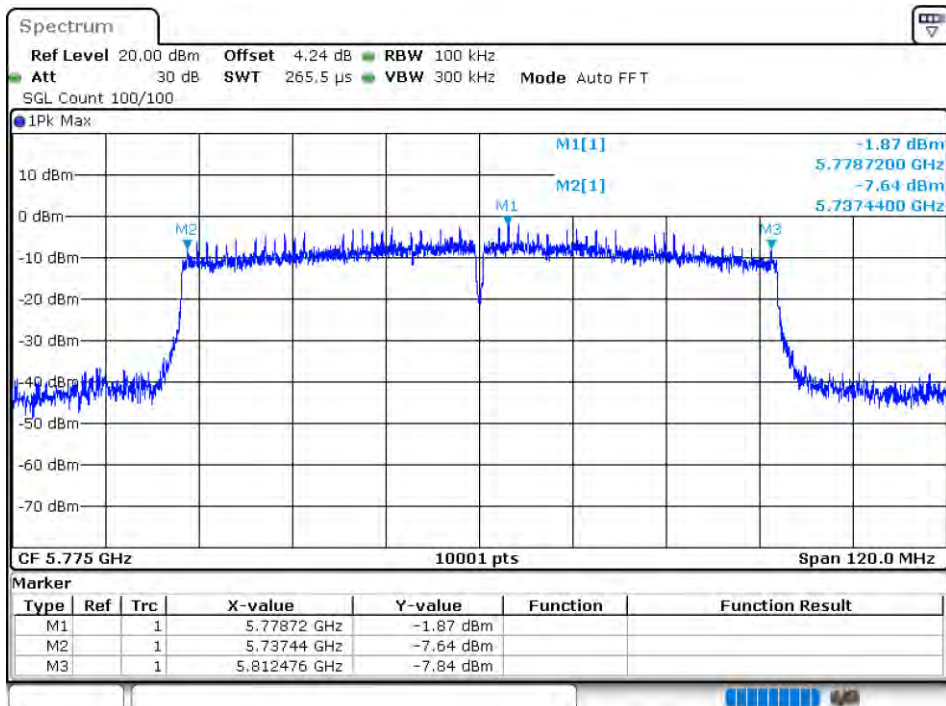
-6dB Bandwidth NVNT ac40 5755MHz Ant1



-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1

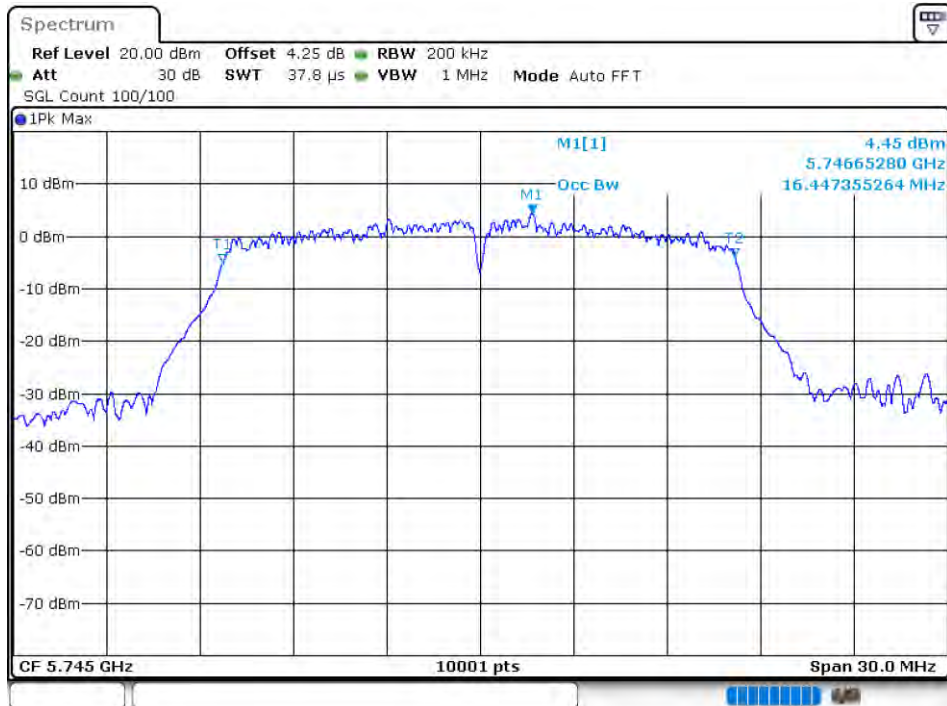


# Occupied Channel Bandwidth

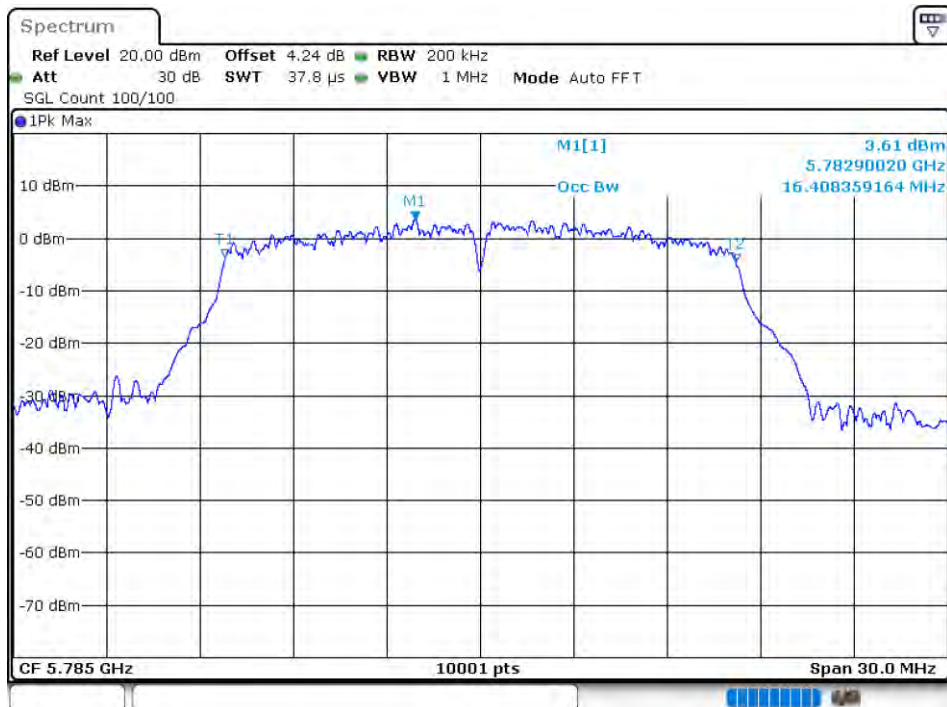
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5745            | Ant1    | 16.447        |
| NVNT      | a    | 5785            | Ant1    | 16.408        |
| NVNT      | a    | 5825            | Ant1    | 16.324        |
| NVNT      | n20  | 5745            | Ant1    | 17.53         |
| NVNT      | n20  | 5785            | Ant1    | 17.515        |
| NVNT      | n20  | 5825            | Ant1    | 17.572        |
| NVNT      | n40  | 5755            | Ant1    | 36.086        |
| NVNT      | n40  | 5795            | Ant1    | 36.056        |
| NVNT      | ac20 | 5745            | Ant1    | 17.563        |
| NVNT      | ac20 | 5785            | Ant1    | 17.578        |
| NVNT      | ac20 | 5825            | Ant1    | 17.527        |
| NVNT      | ac40 | 5755            | Ant1    | 36.05         |
| NVNT      | ac40 | 5795            | Ant1    | 36.02         |
| NVNT      | ac80 | 5775            | Ant1    | 75.196        |

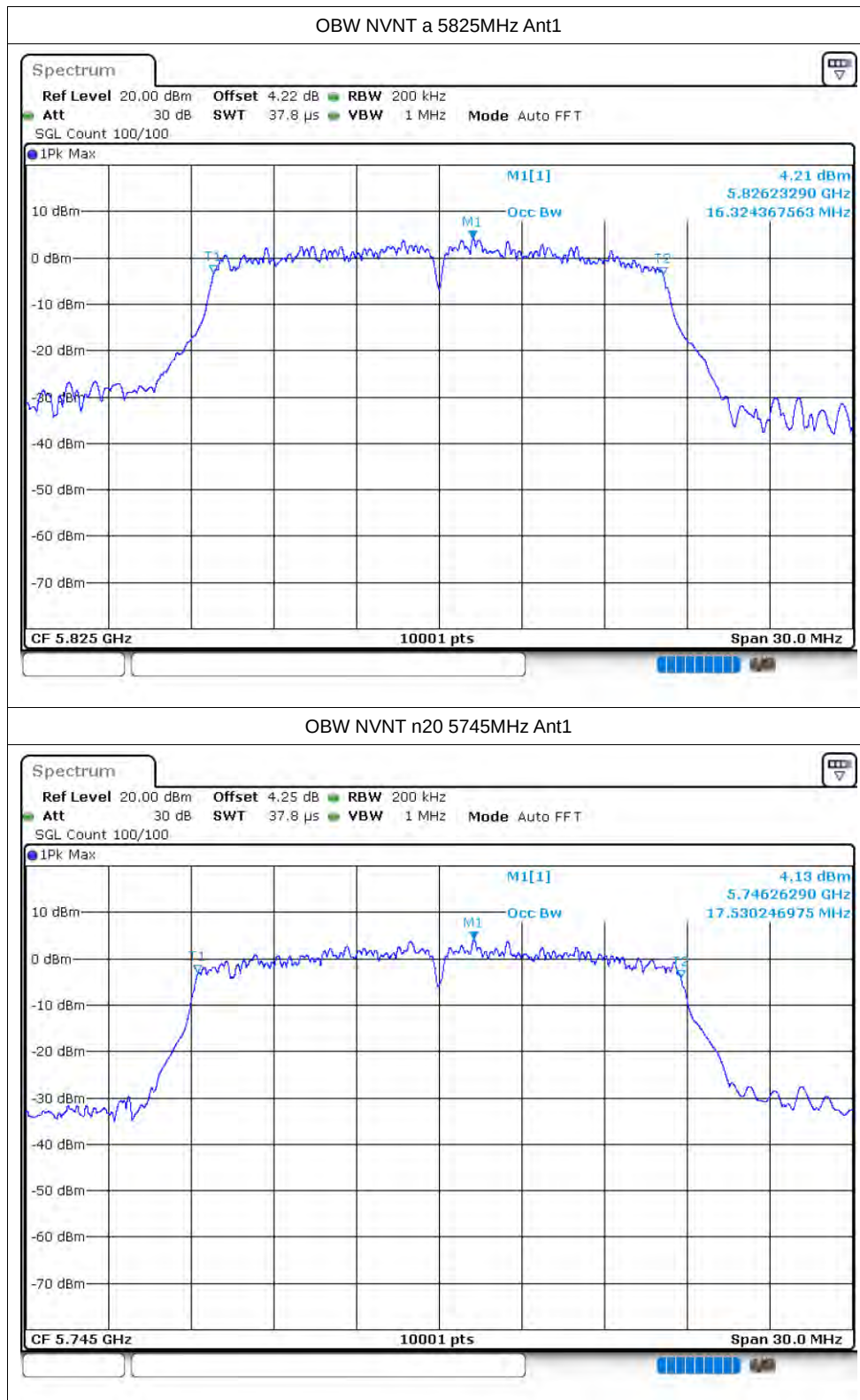
Test Graphs

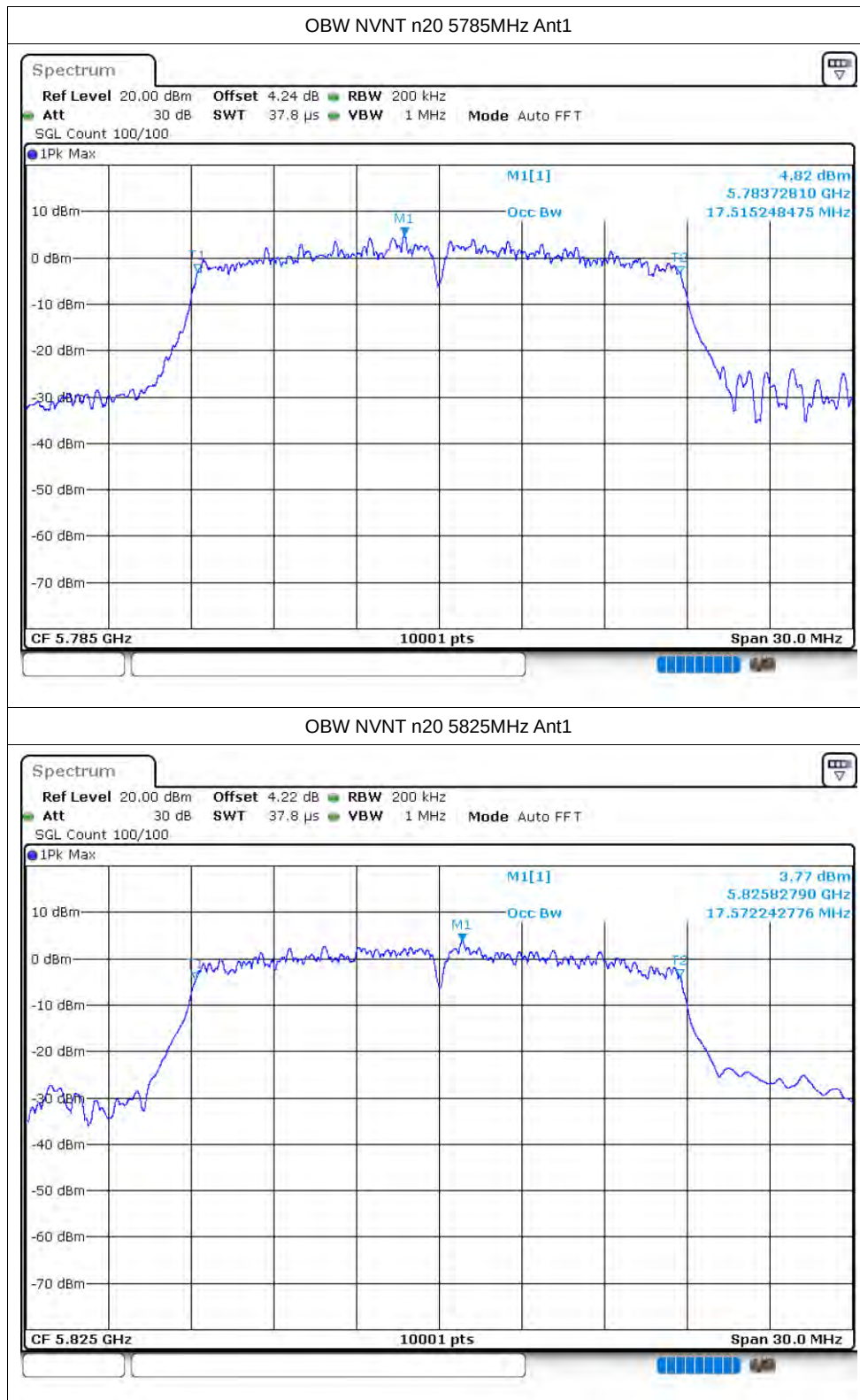
OBW NVNT a 5745MHz Ant1

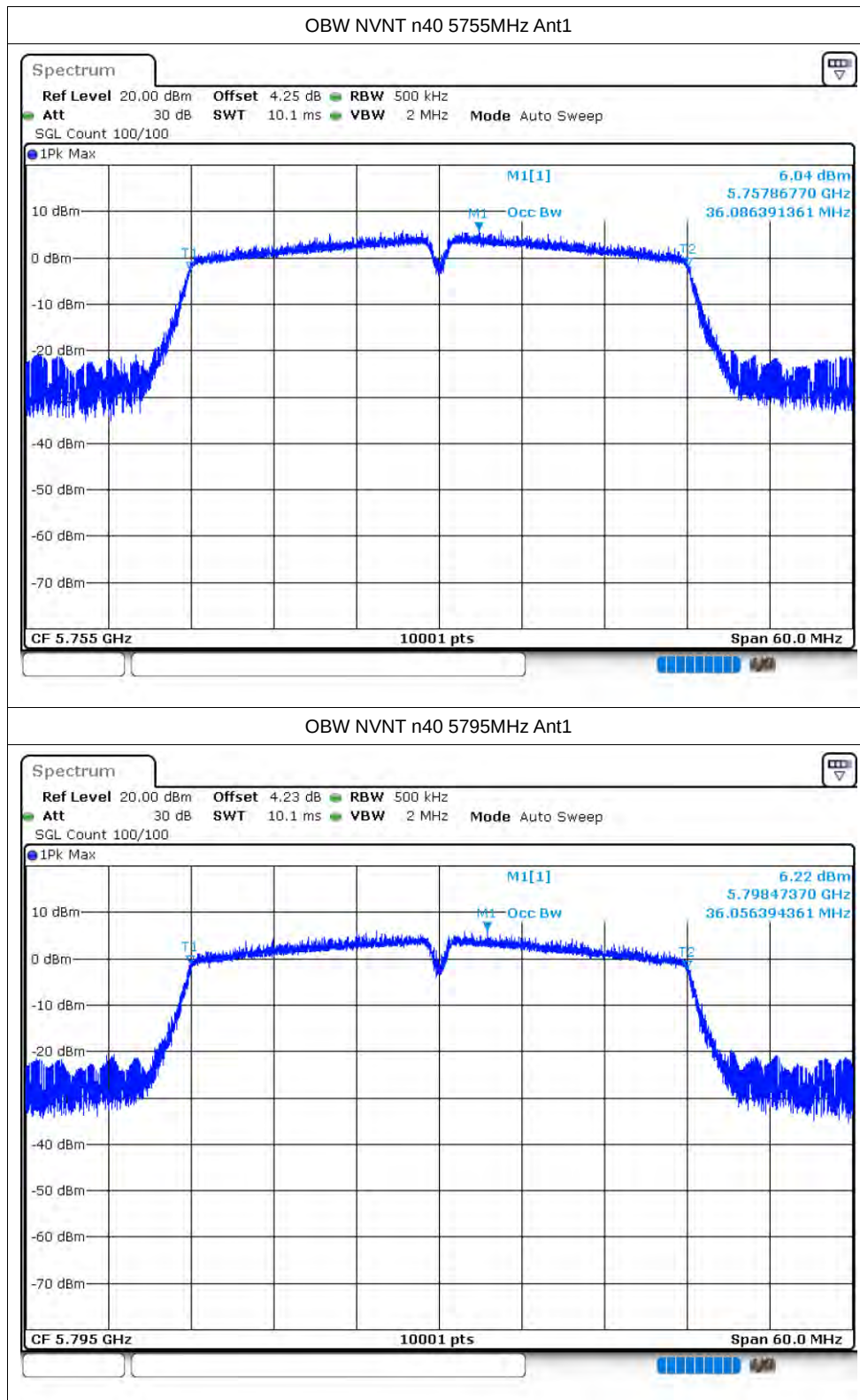


OBW NVNT a 5785MHz Ant1

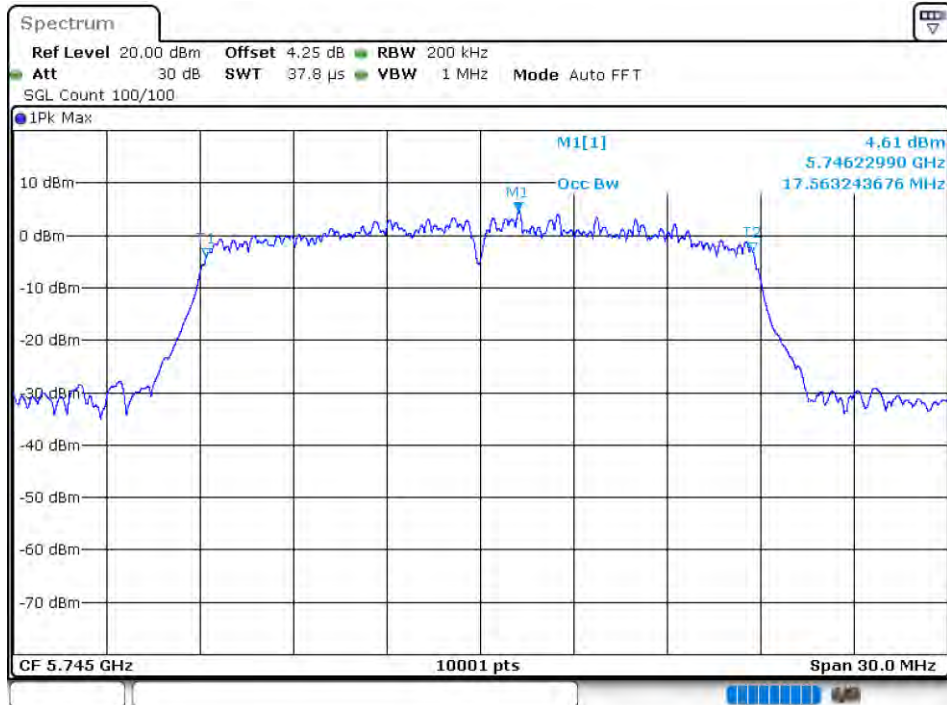




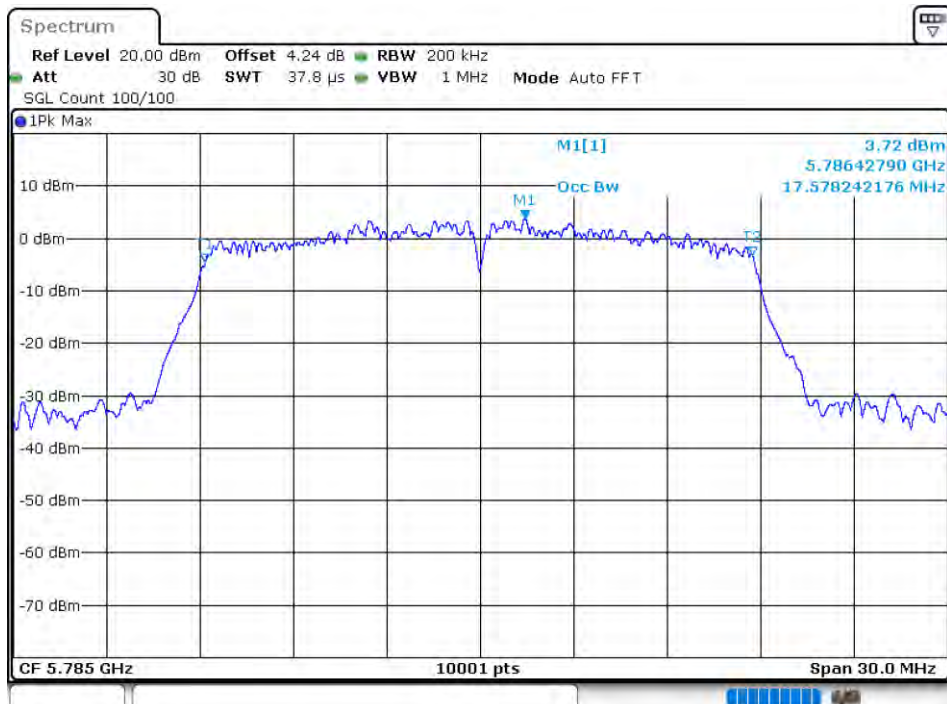




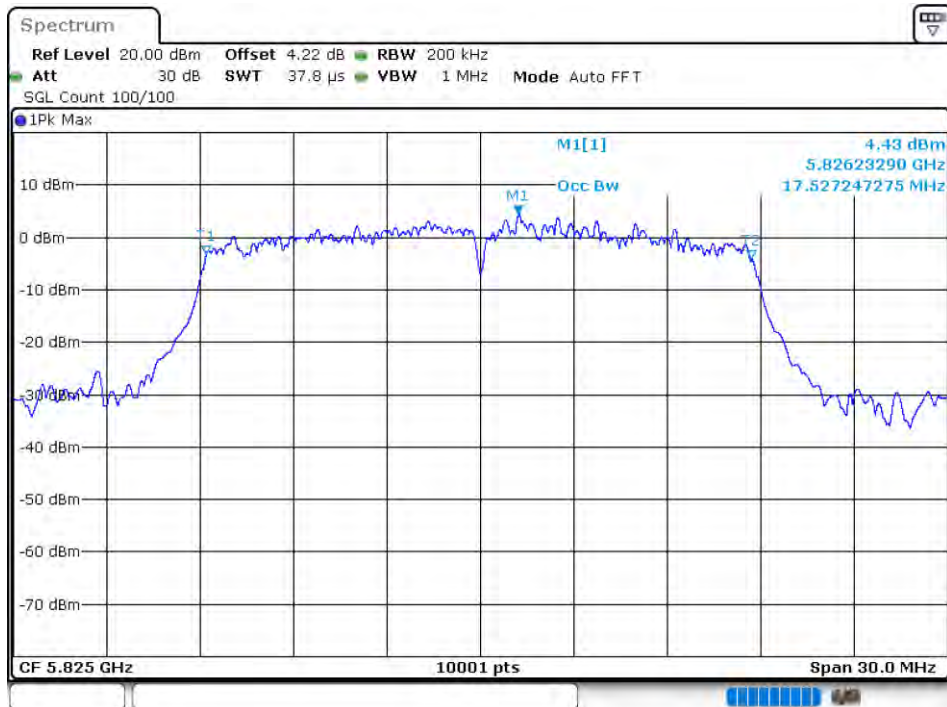
OBW NVNT ac20 5745MHz Ant1



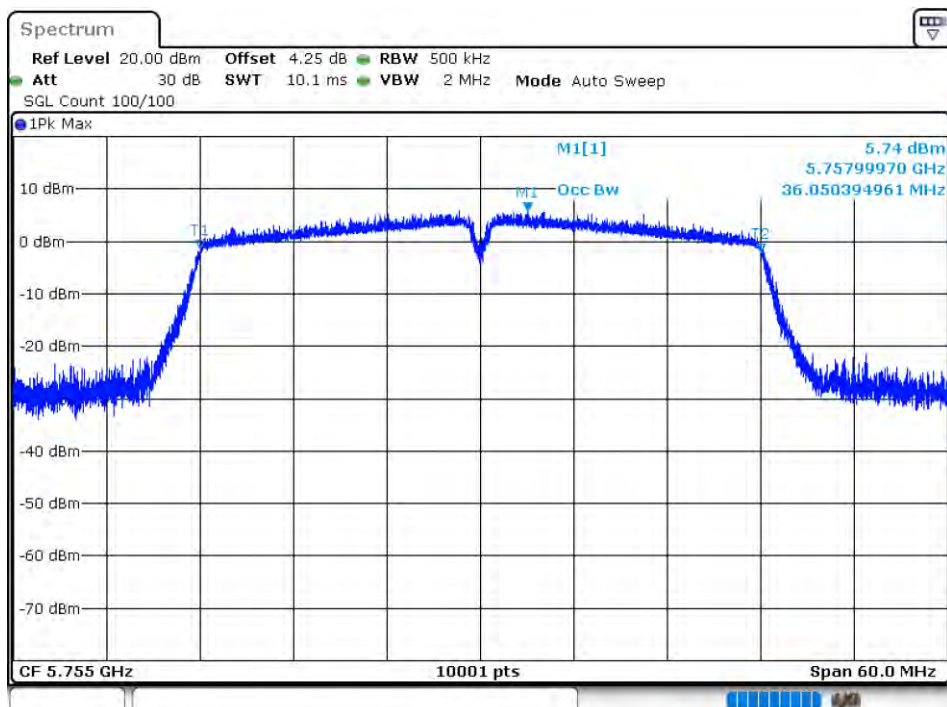
OBW NVNT ac20 5785MHz Ant1

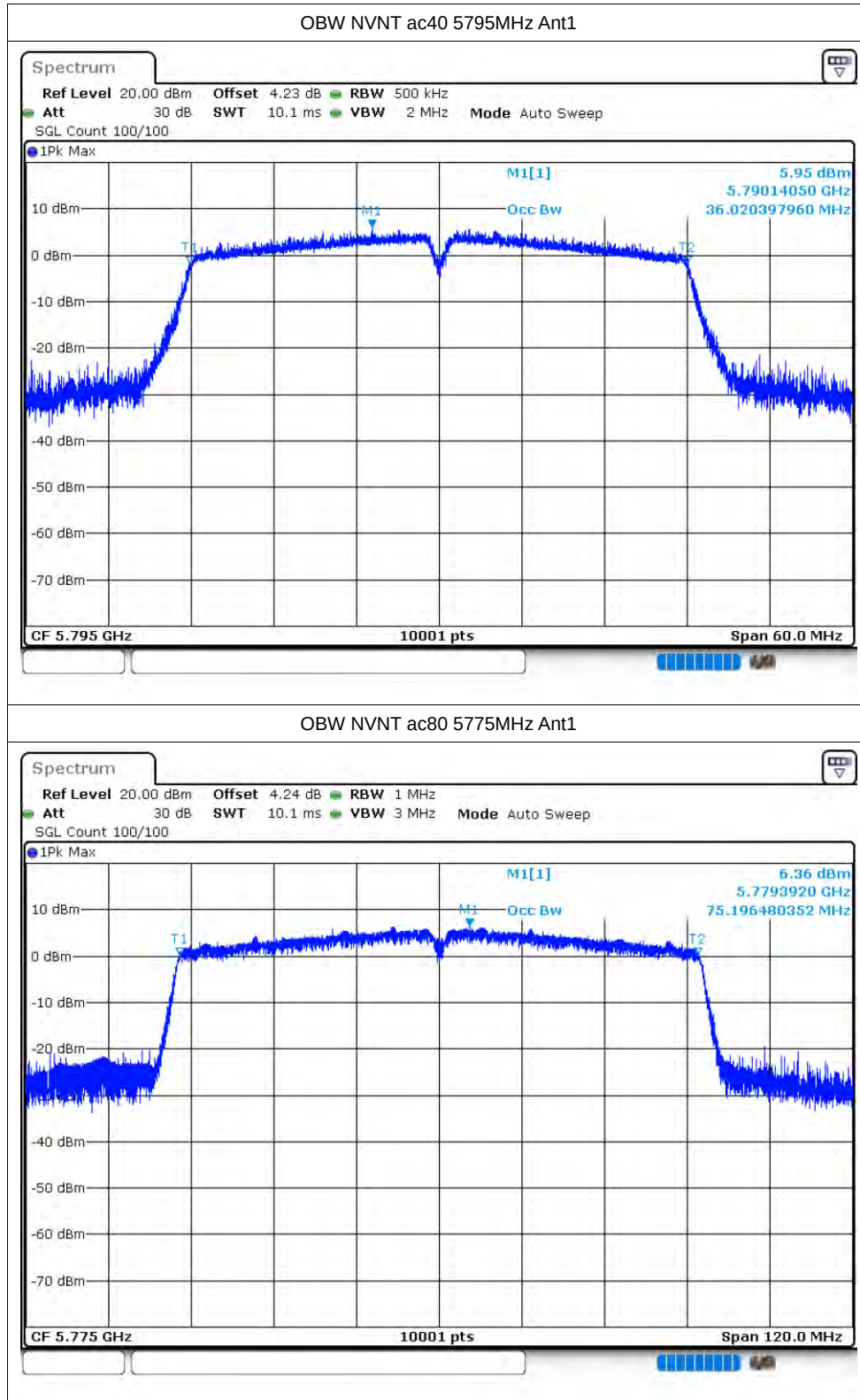


OBW NVNT ac20 5825MHz Ant1



OBW NVNT ac40 5755MHz Ant1



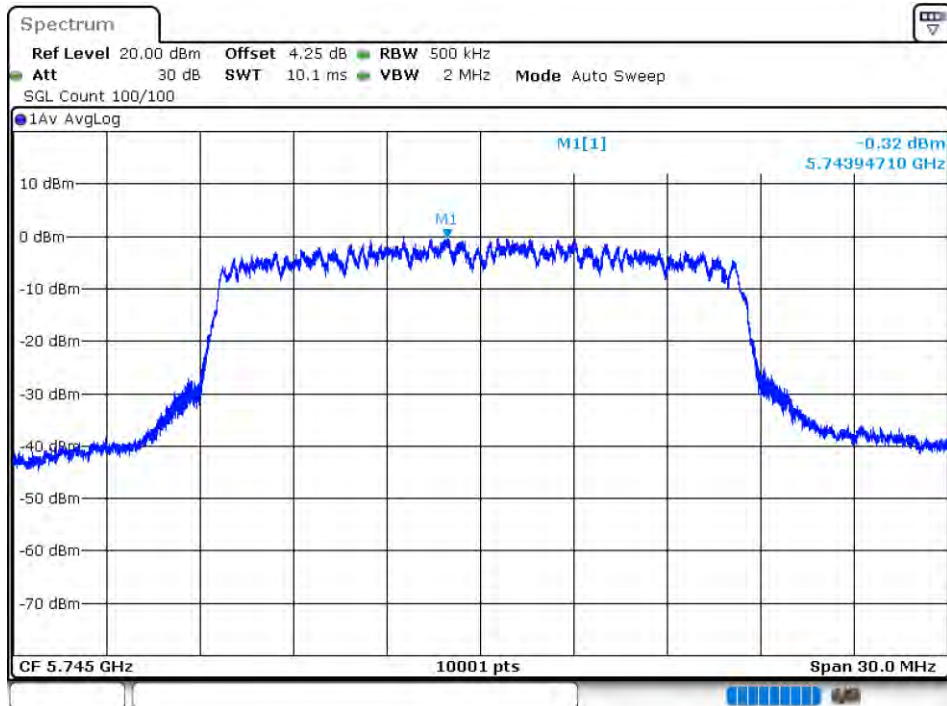


## Maximum Power Spectral Density Level

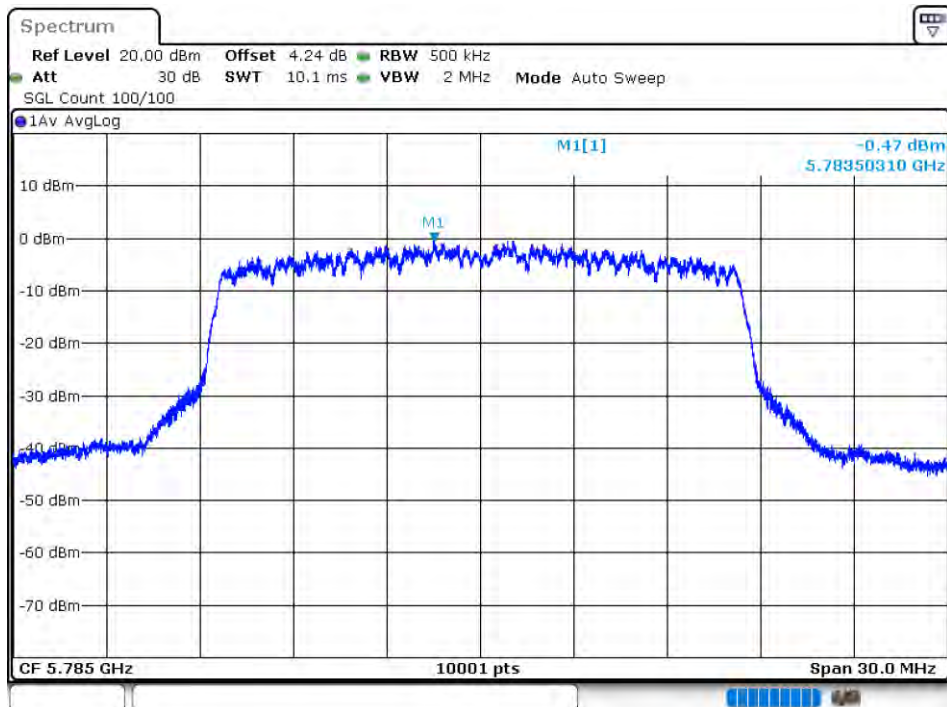
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Duty Factor (dB) | Total PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------------|------------------|-----------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | -0.32               | 0.1              | -0.22           | 30          | Pass    |
| NVNT      | a    | 5785            | Ant1    | -0.47               | 0.11             | -0.36           | 30          | Pass    |
| NVNT      | a    | 5825            | Ant1    | -0.24               | 0.04             | -0.2            | 30          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -0.37               | 0.11             | -0.26           | 30          | Pass    |
| NVNT      | n20  | 5785            | Ant1    | -0.4                | 0.11             | -0.29           | 30          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -0.89               | 0.03             | -0.86           | 30          | Pass    |
| NVNT      | n40  | 5755            | Ant1    | -4.84               | 0.1              | -4.74           | 30          | Pass    |
| NVNT      | n40  | 5795            | Ant1    | -4.6                | 0.08             | -4.52           | 30          | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -0.6                | 0.11             | -0.49           | 30          | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | -0.51               | 0.11             | -0.4            | 30          | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -0.53               | 0.11             | -0.42           | 30          | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | -4.84               | 0.22             | -4.62           | 30          | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | -4.66               | 0.22             | -4.44           | 30          | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | -9.39               | 0.42             | -8.97           | 30          | Pass    |

# Test Graphs

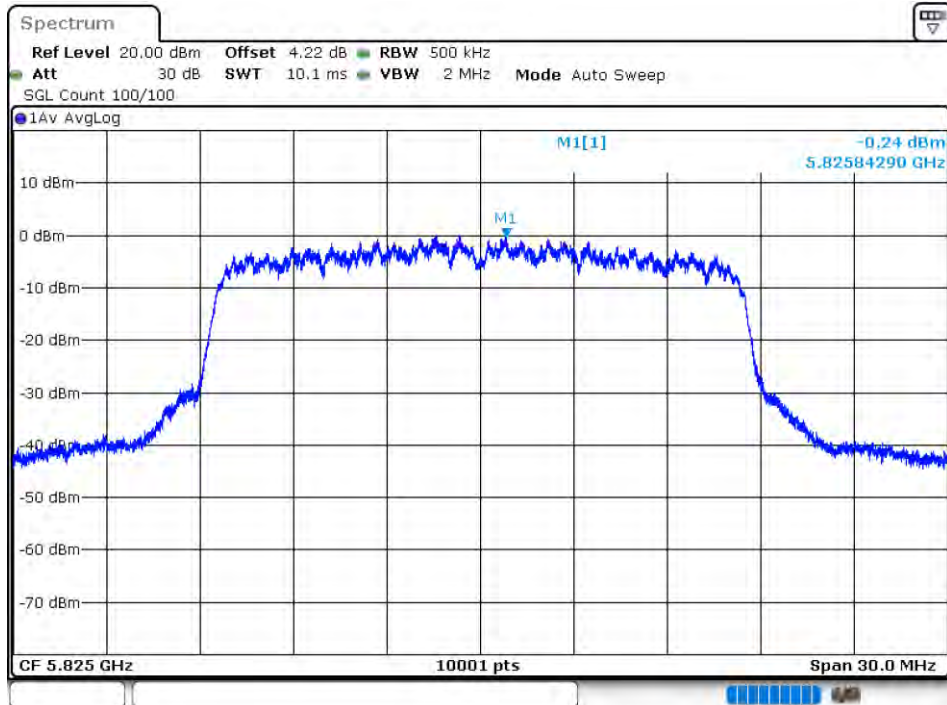
## PSD NVNT a 5745MHz Ant1



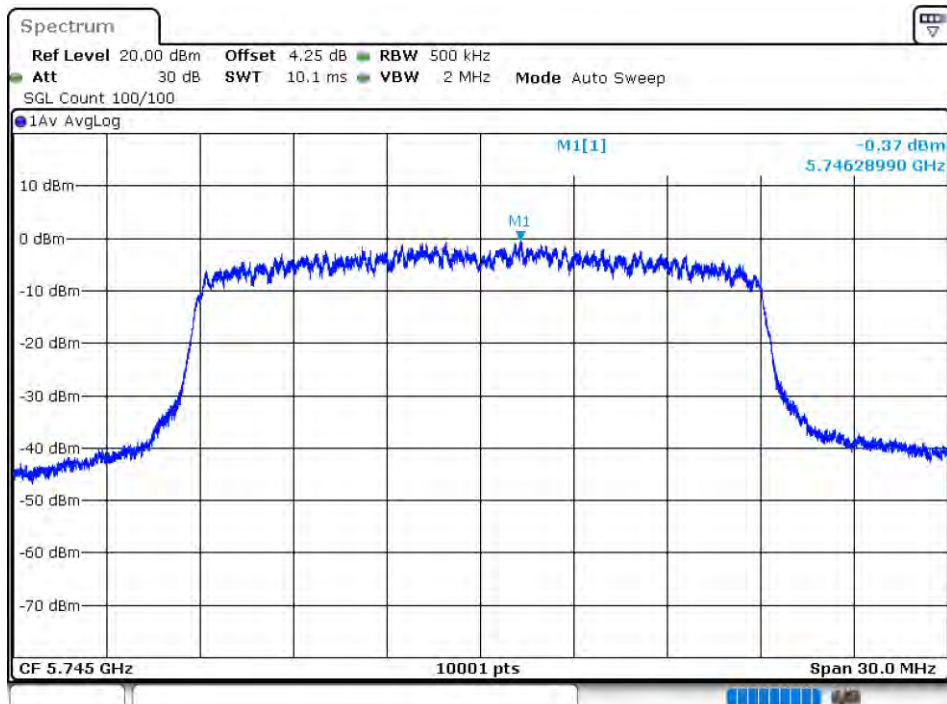
## PSD NVNT a 5785MHz Ant1

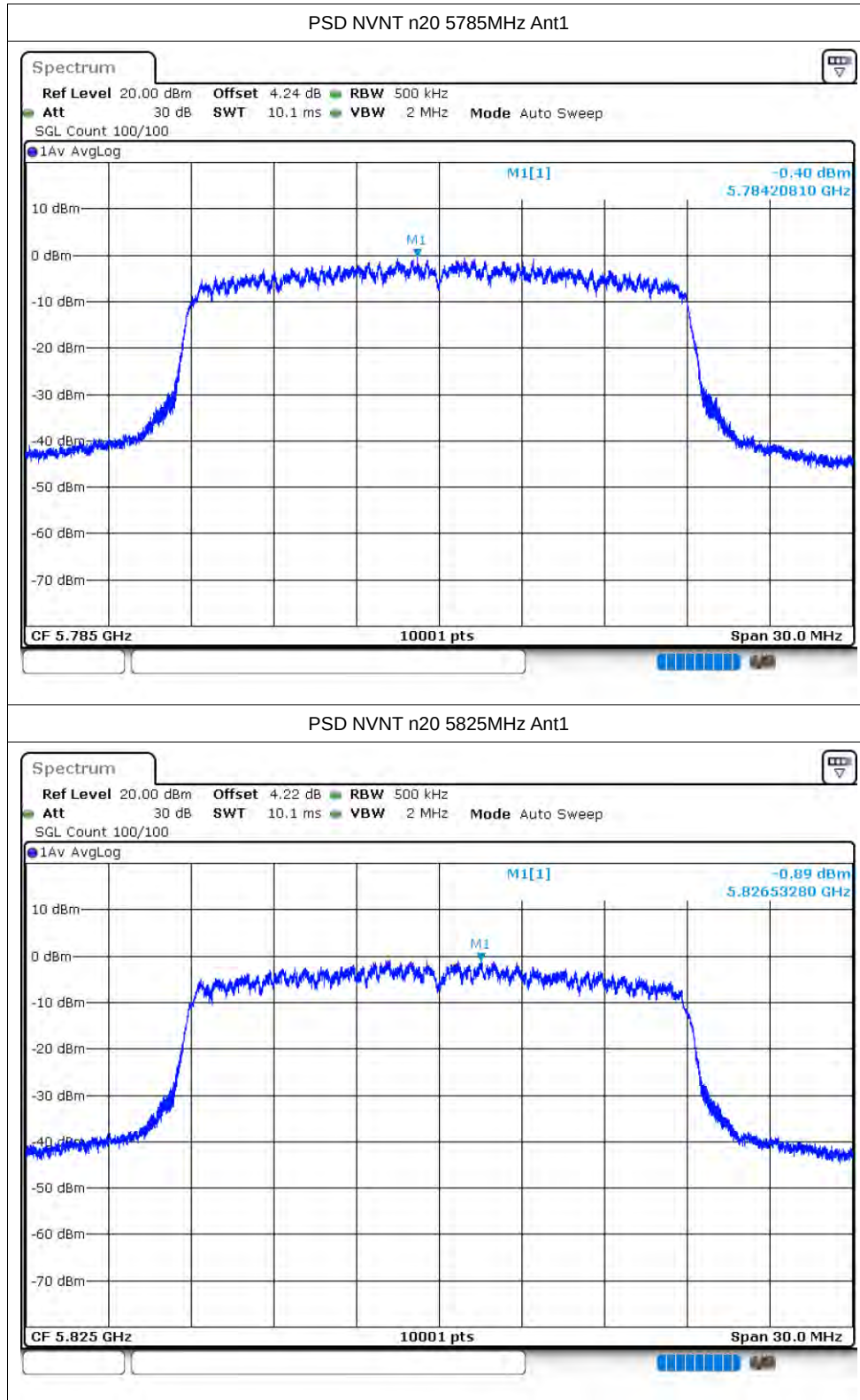


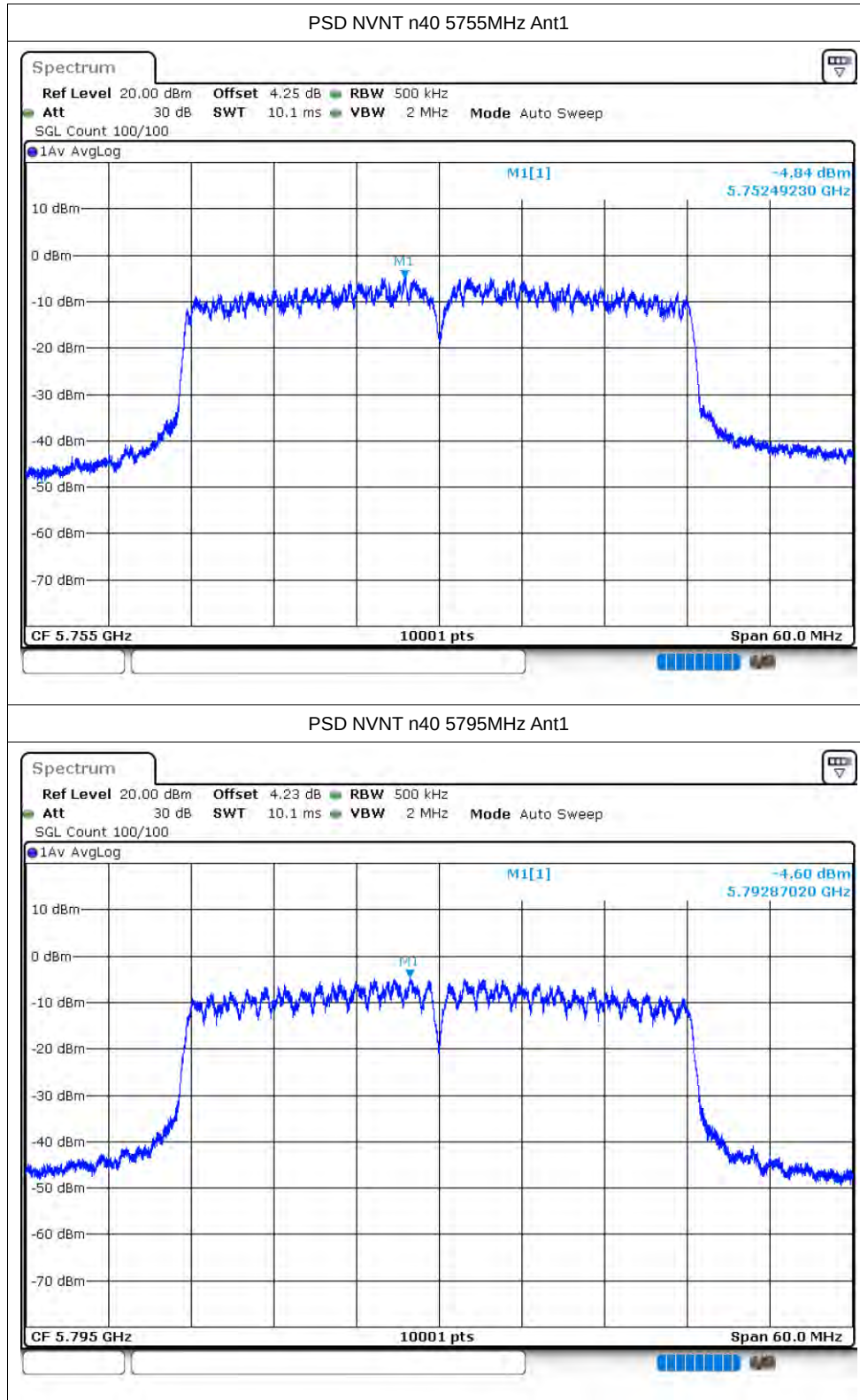
PSD NVNT a 5825MHz Ant1

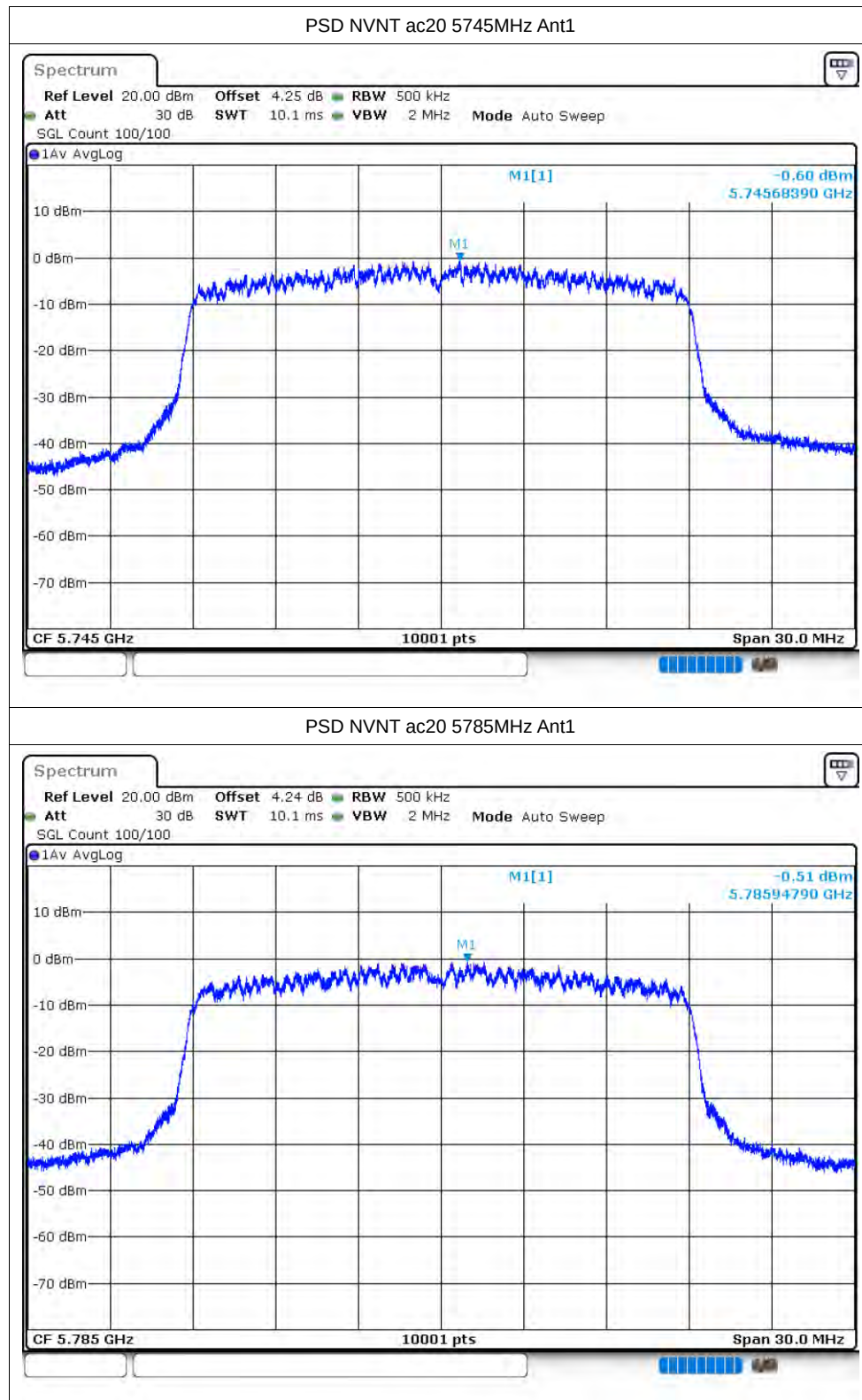


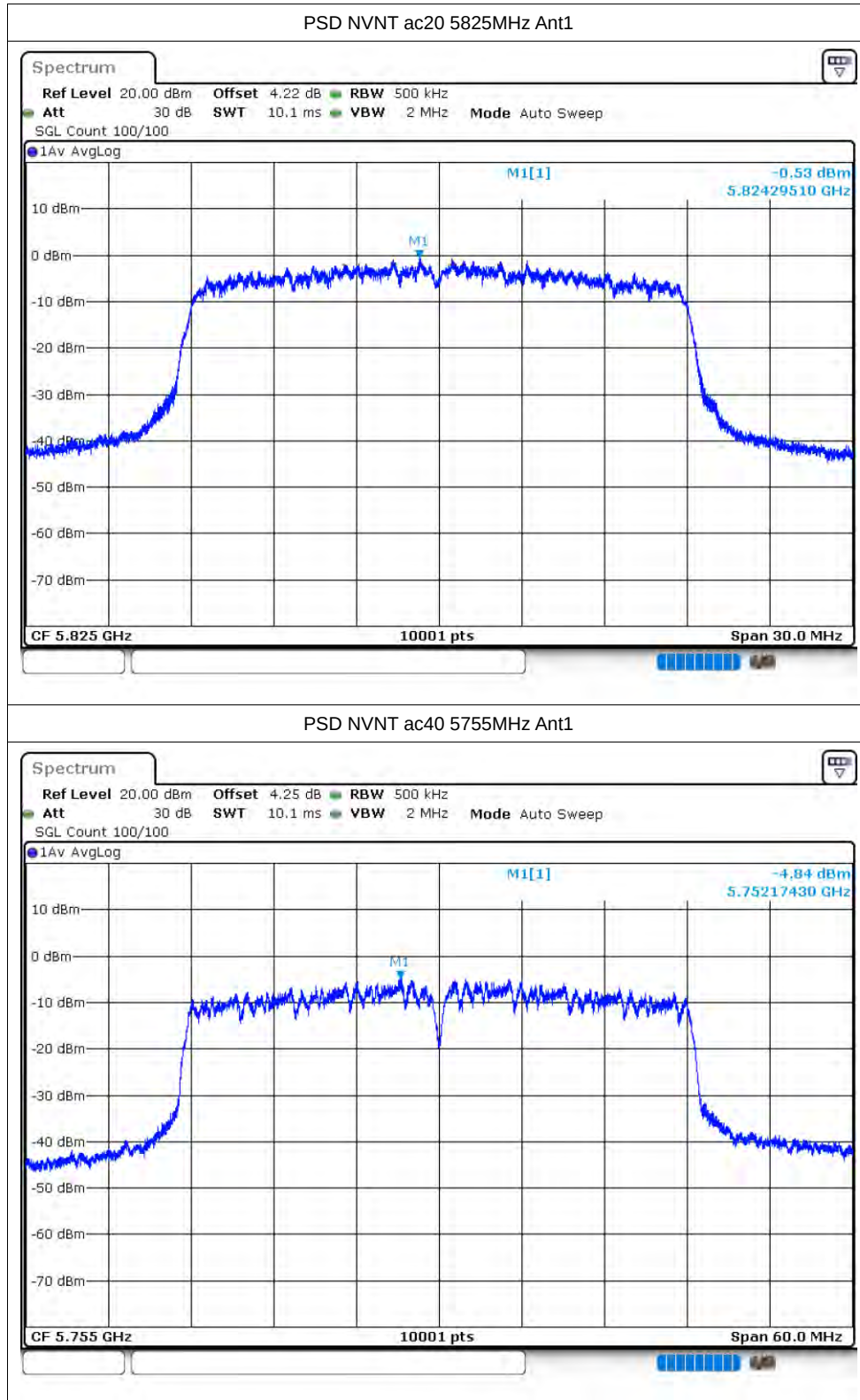
PSD NVNT n20 5745MHz Ant1

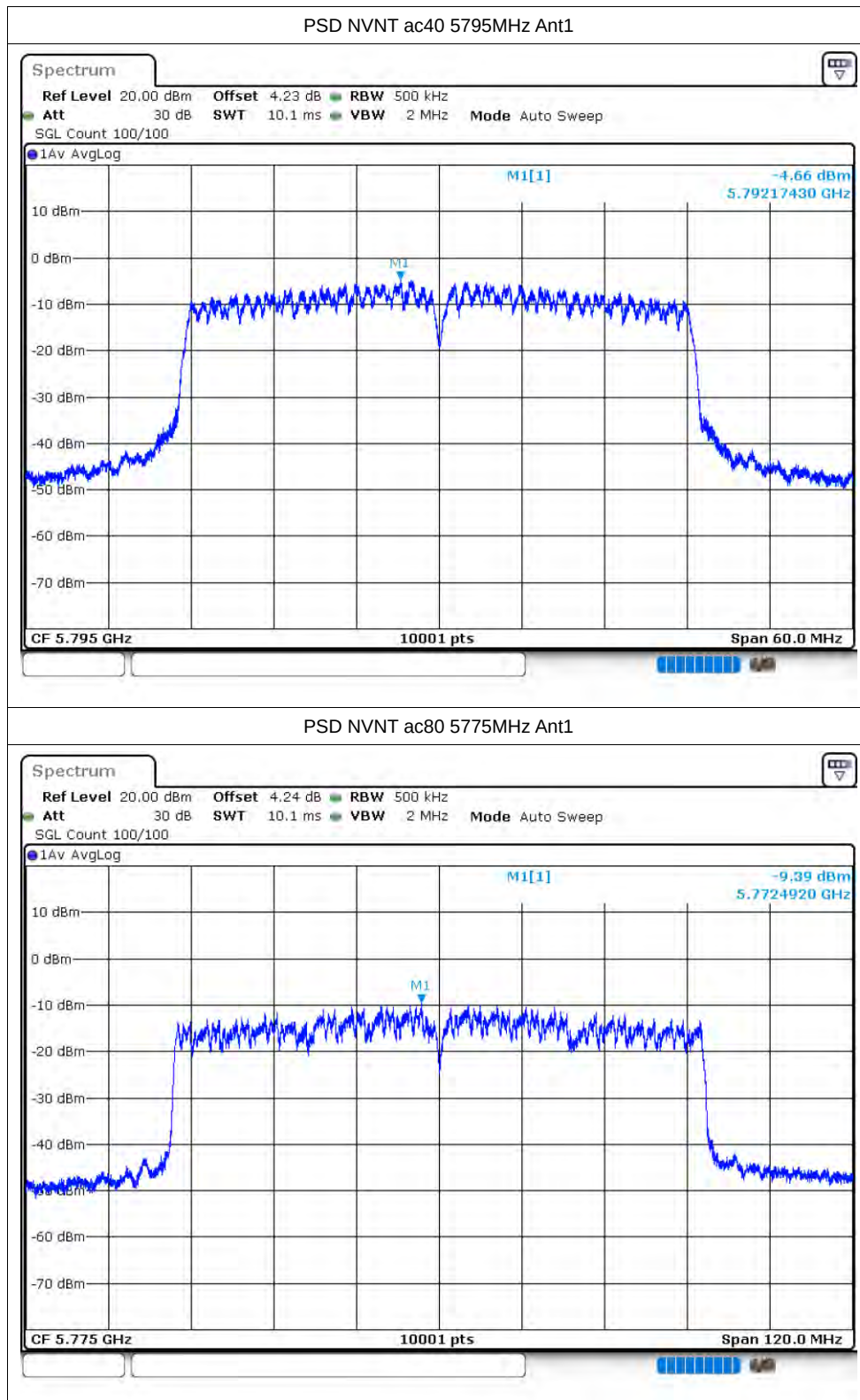










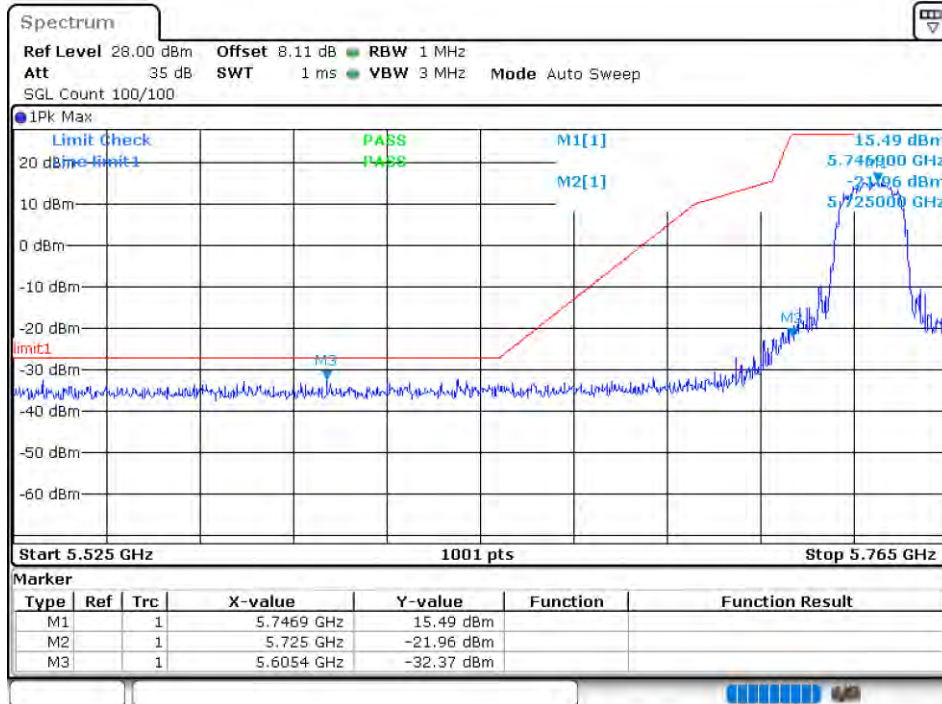


# Band Edge

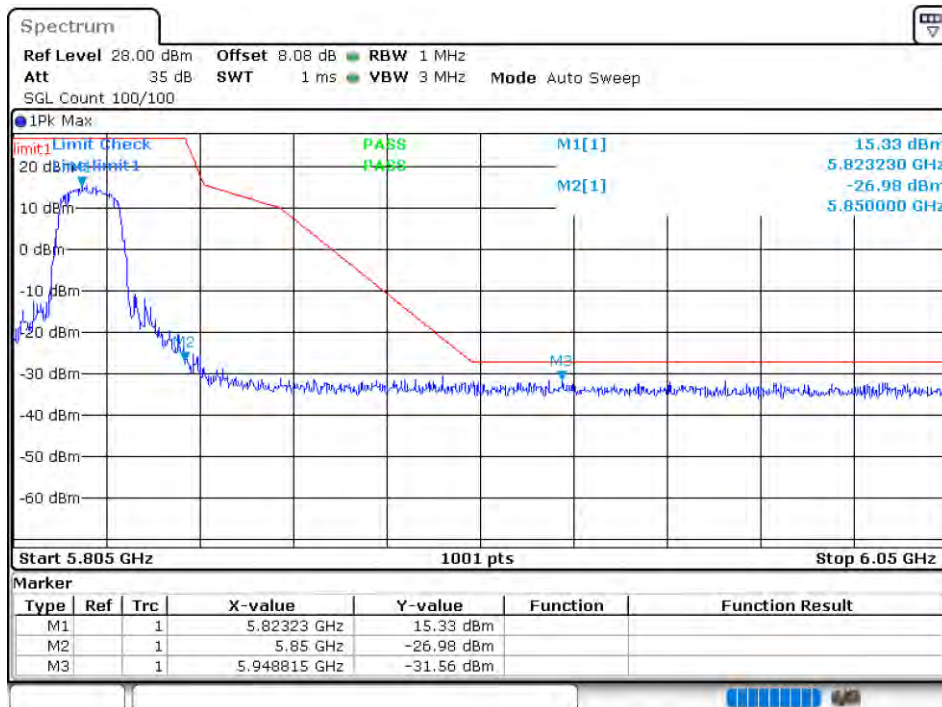
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | -32.37          | -27         | Pass    |
| NVNT      | a    | 5825            | Ant1    | -31.56          | -27         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -31.82          | -27         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -31.6           | -27         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | -32.72          | -27         | Pass    |
| NVNT      | n40  | 5795            | Ant1    | -31.39          | -27         | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -32.64          | -27         | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -30.99          | -27         | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | -32.2           | -27         | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | -31.1           | -27         | Pass    |
| NVNT      | ac80 | 5755            | Ant1    | -30.97          | -27         | Pass    |
| NVNT      | ac80 | 5755            | Ant1    | -31.17          | -27         | Pass    |

Test Graphs

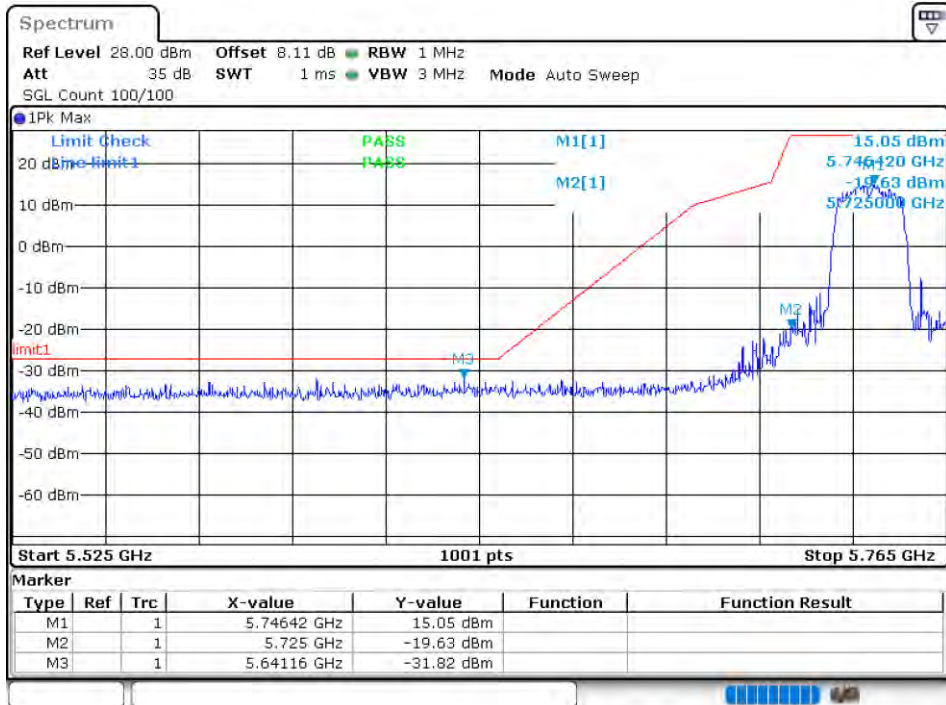
Band Edge NVNT a 5745MHz Low Ant1



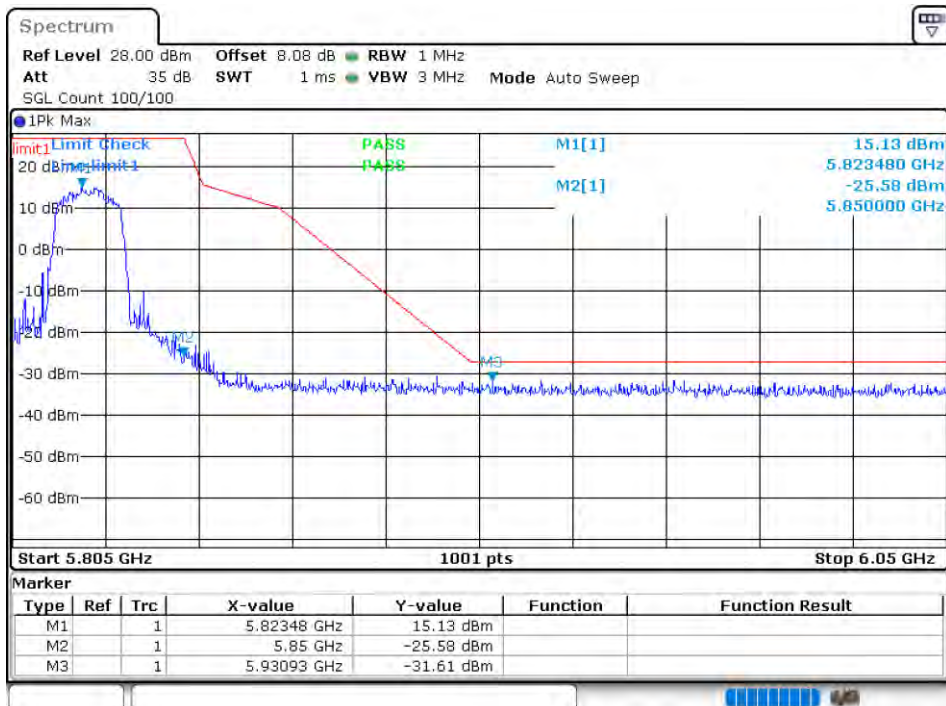
Band Edge NVNT a 5825MHz High Ant1



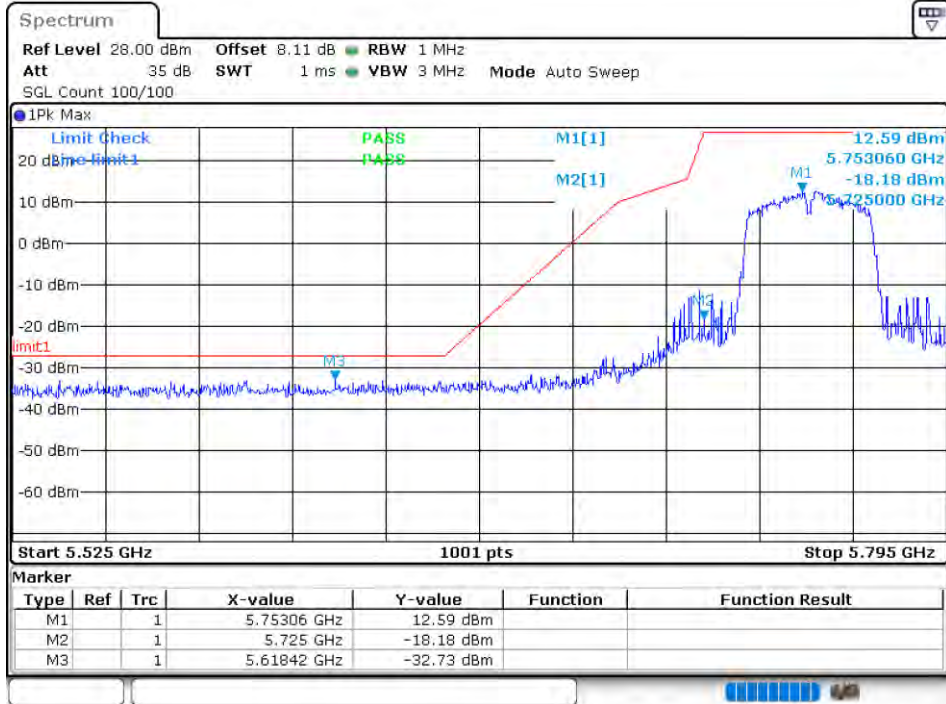
Band Edge NVNT n20 5745MHz Low Ant1



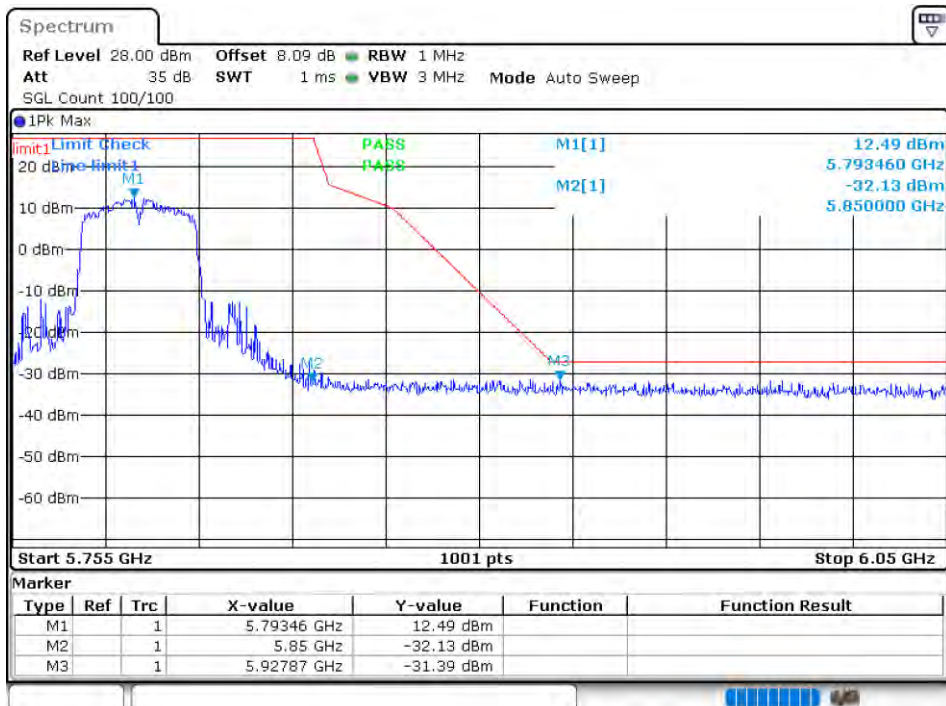
Band Edge NVNT n20 5825MHz High Ant1



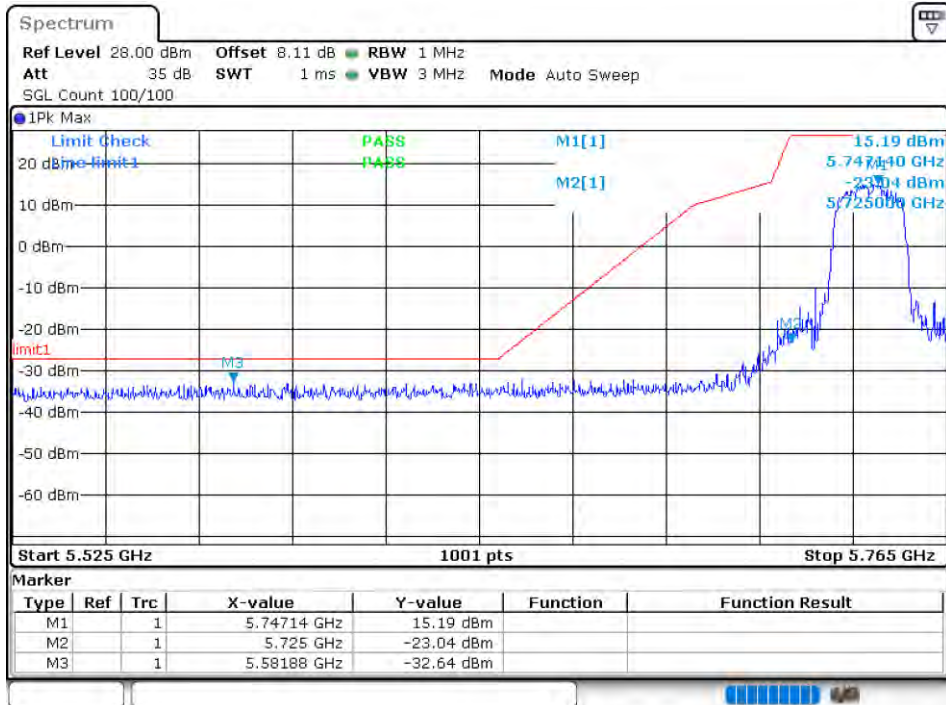
Band Edge NVNT n40 5755MHz Low Ant1



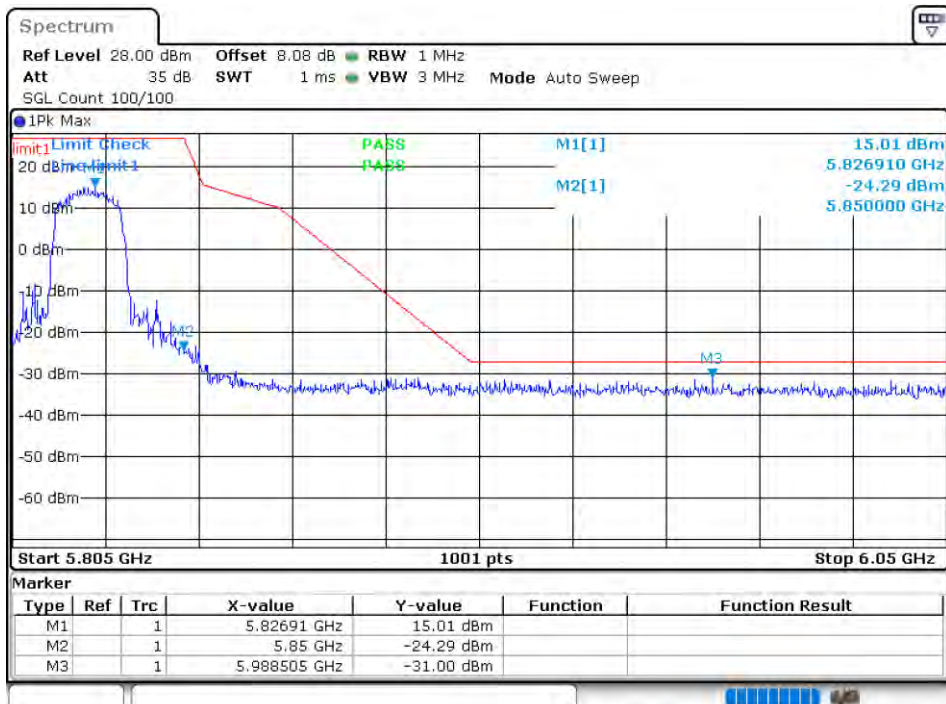
Band Edge NVNT n40 5795MHz High Ant1



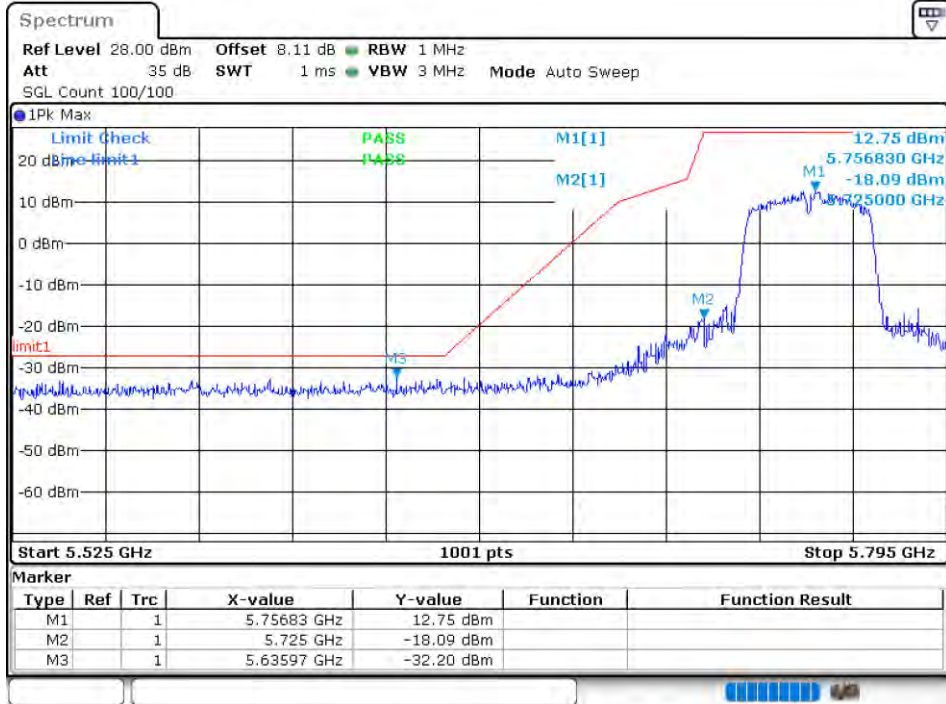
Band Edge NVNT ac20 5745MHz Low Ant1



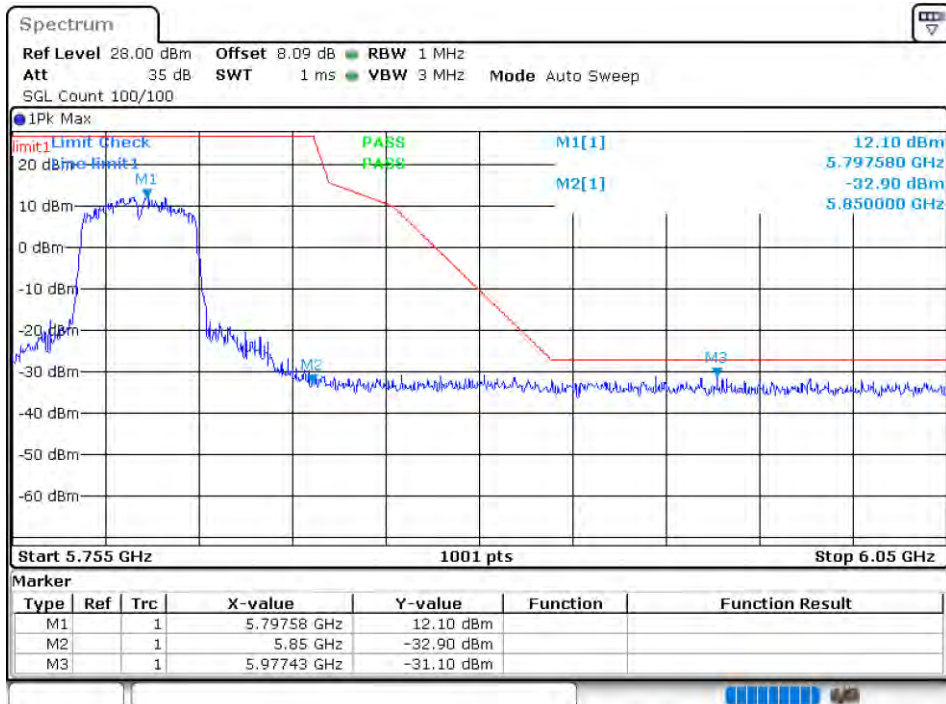
Band Edge NVNT ac20 5825MHz High Ant1



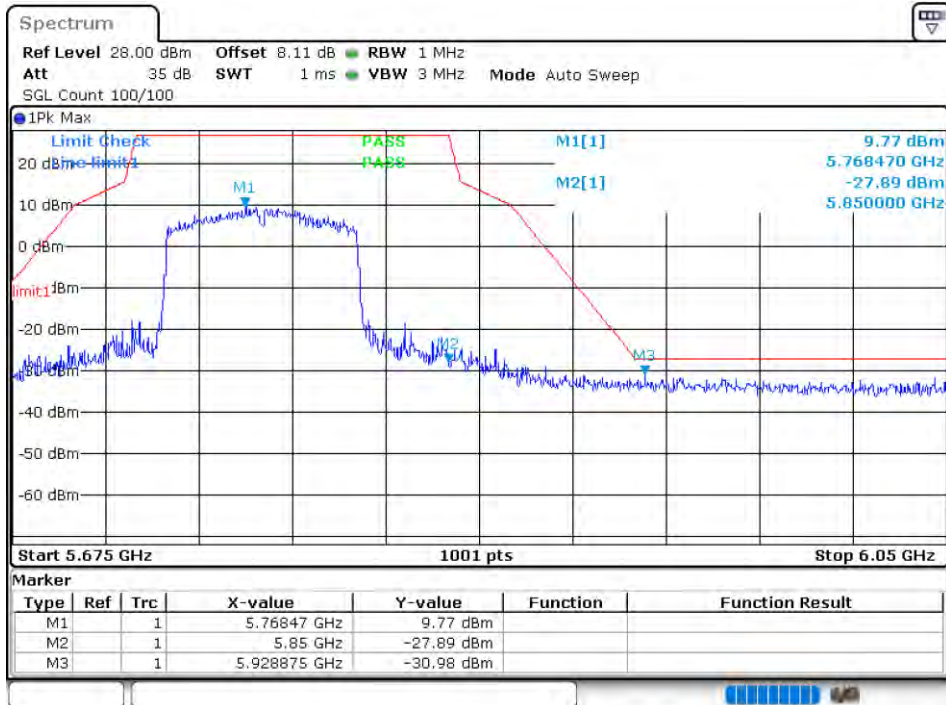
Band Edge NVNT ac40 5755MHz Low Ant1



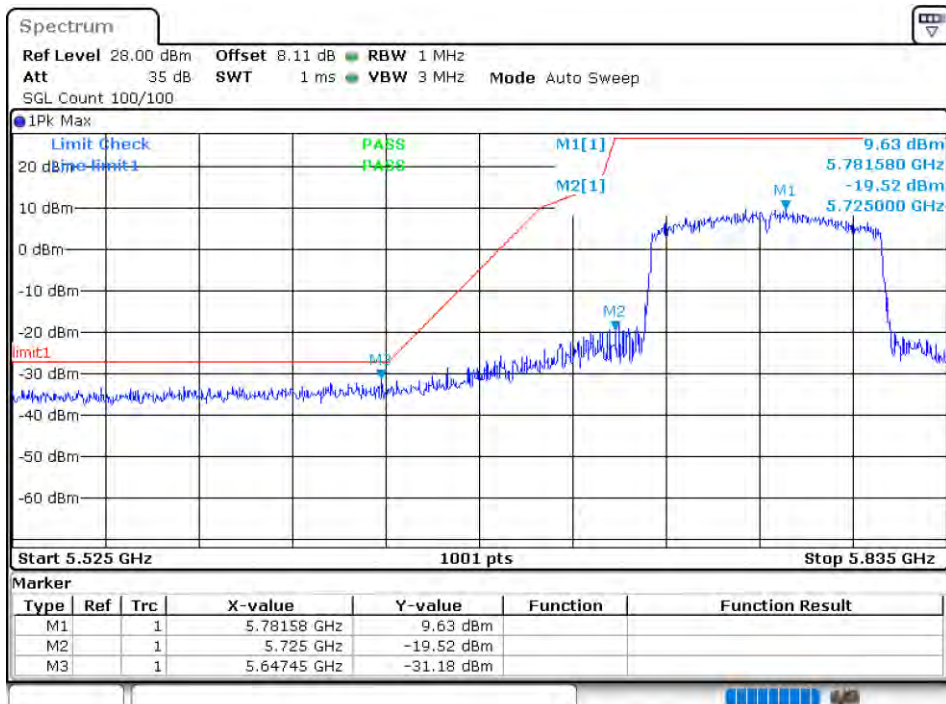
Band Edge NVNT ac40 5795MHz High Ant1



Band Edge NVNT ac80 5755MHz High Ant1



Band Edge NVNT ac80 5755MHz Low Ant1

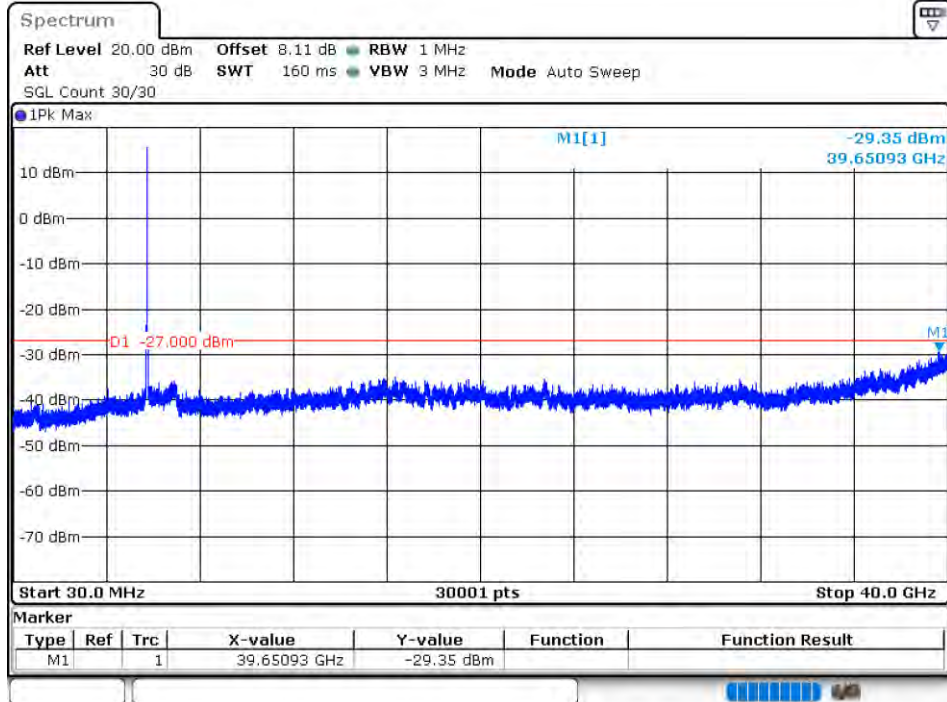


## Conducted RF Spurious Emission

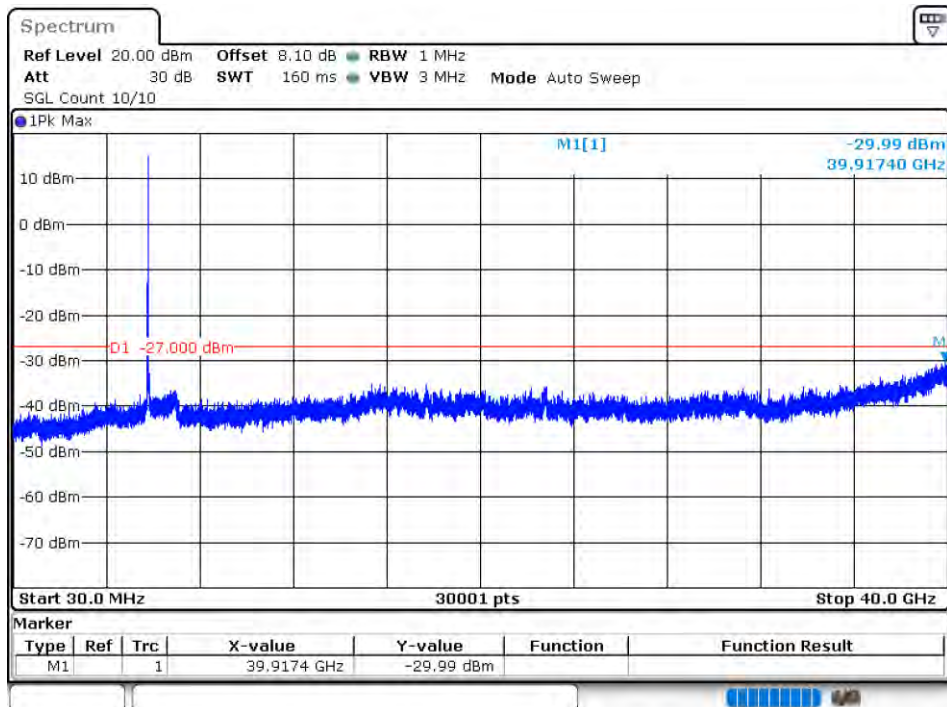
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | -29.34          | -27         | Pass    |
| NVNT      | a    | 5785            | Ant1    | -29.98          | -27         | Pass    |
| NVNT      | a    | 5825            | Ant1    | -29.8           | -27         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -29.5           | -27         | Pass    |
| NVNT      | n20  | 5785            | Ant1    | -30.86          | -27         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -29.97          | -27         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | -30.04          | -27         | Pass    |
| NVNT      | n40  | 5795            | Ant1    | -30.53          | -27         | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -30.19          | -27         | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | -29.77          | -27         | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -29.54          | -27         | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | -30.13          | -27         | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | -29.96          | -27         | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | -29.46          | -27         | Pass    |

Test Graphs

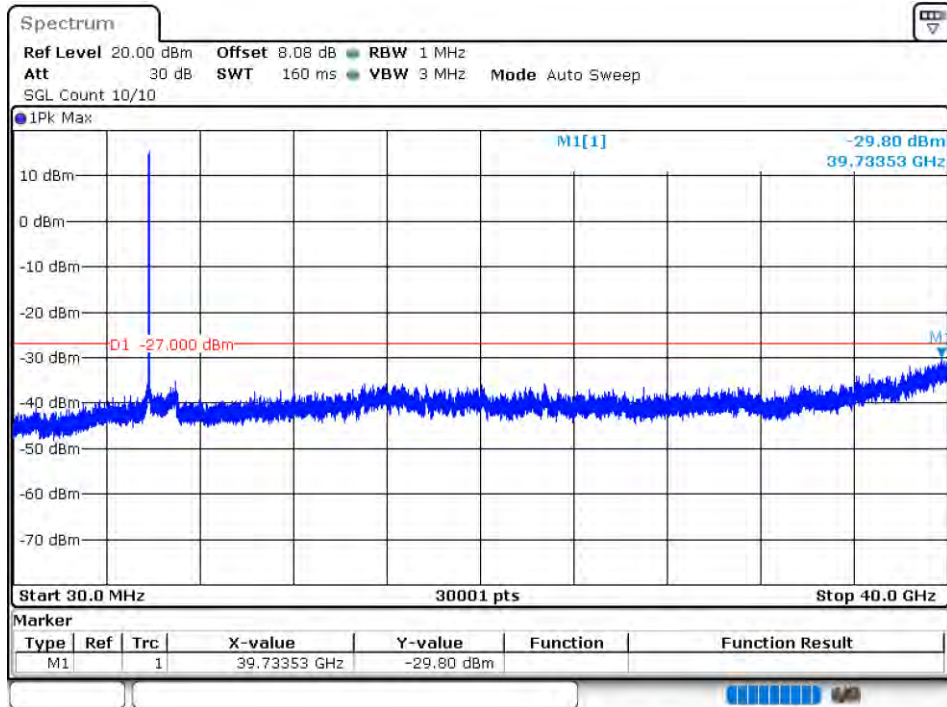
Tx. Spurious NVNT a 5745MHz Ant1 Emission



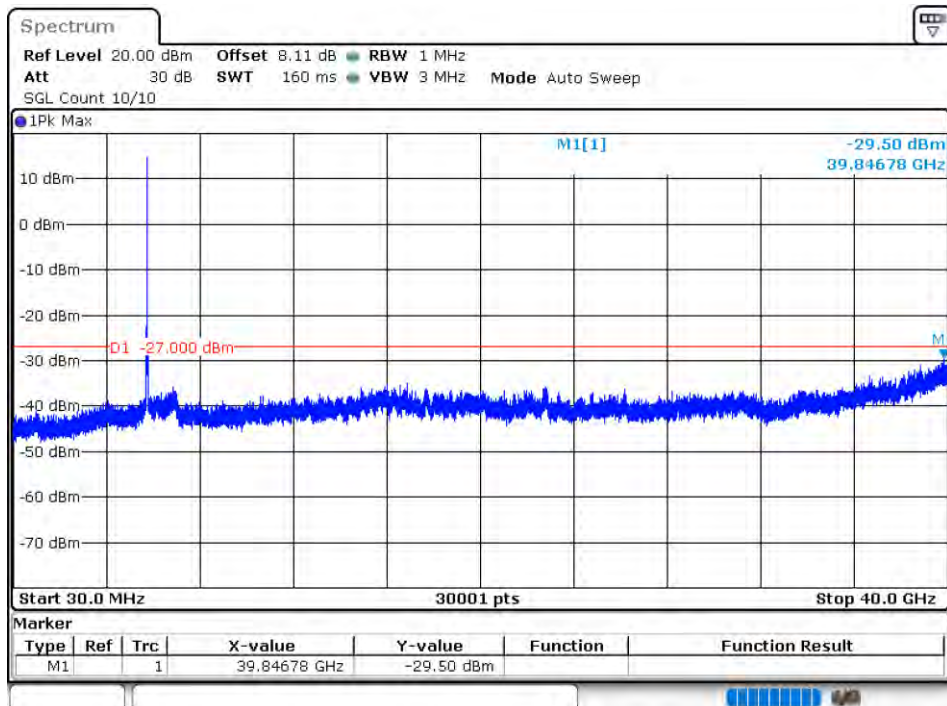
Tx. Spurious NVNT a 5785MHz Ant1 Emission



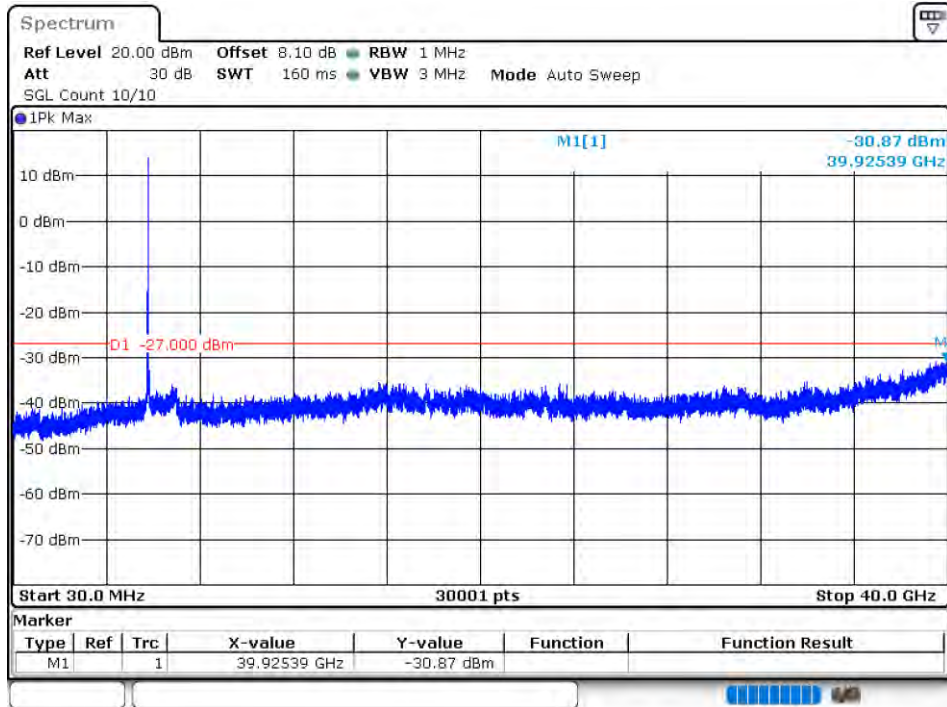
Tx. Spurious NVNT a 5825MHz Ant1 Emission



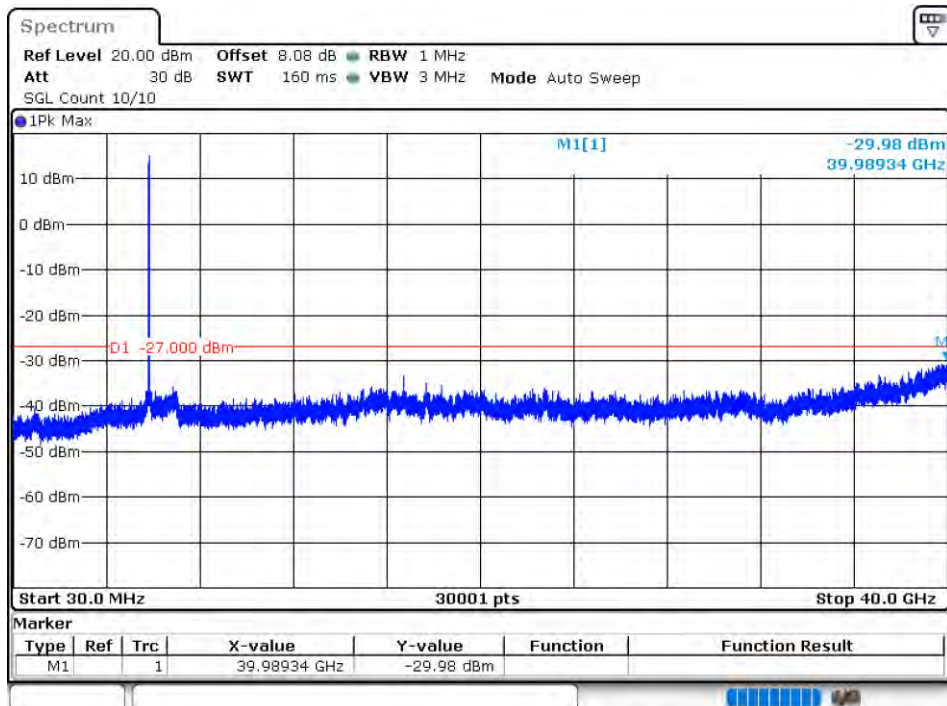
Tx. Spurious NVNT n20 5745MHz Ant1 Emission



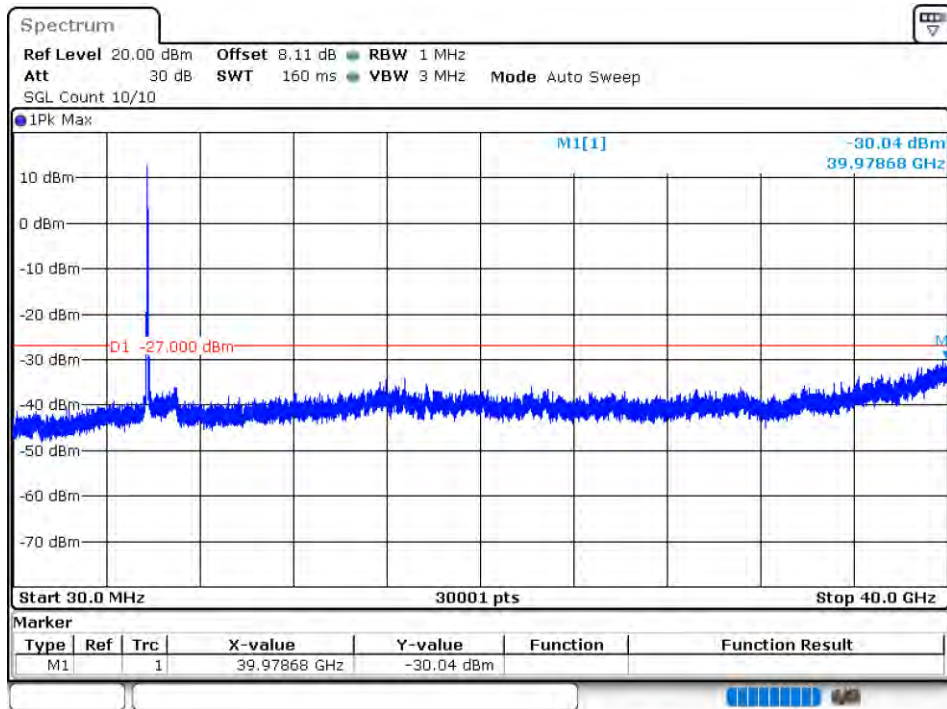
Tx. Spurious NVNT n20 5785MHz Ant1 Emission



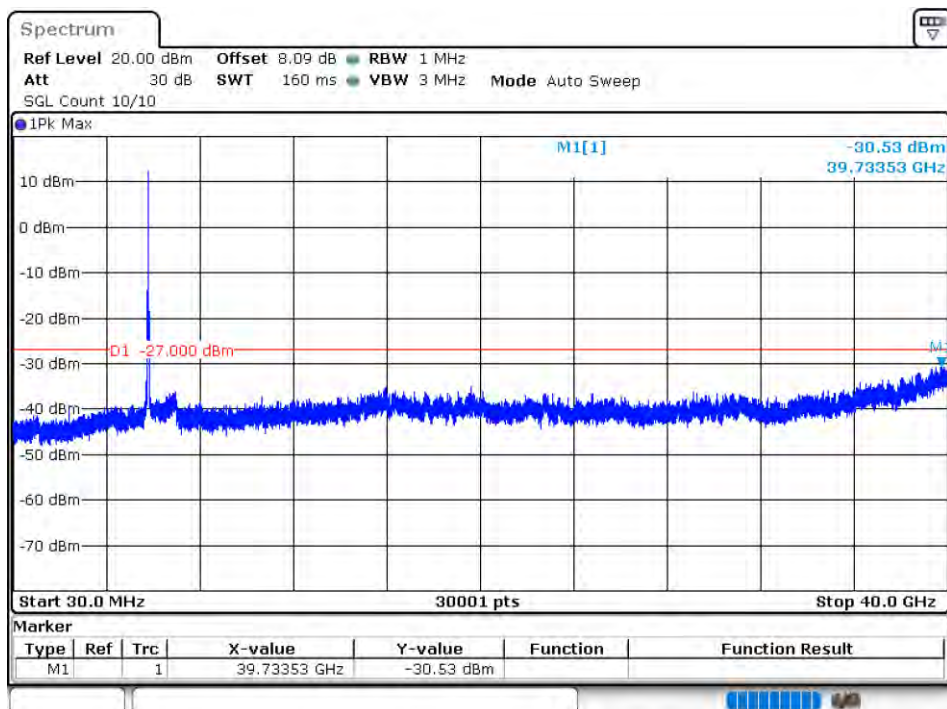
Tx. Spurious NVNT n20 5825MHz Ant1 Emission



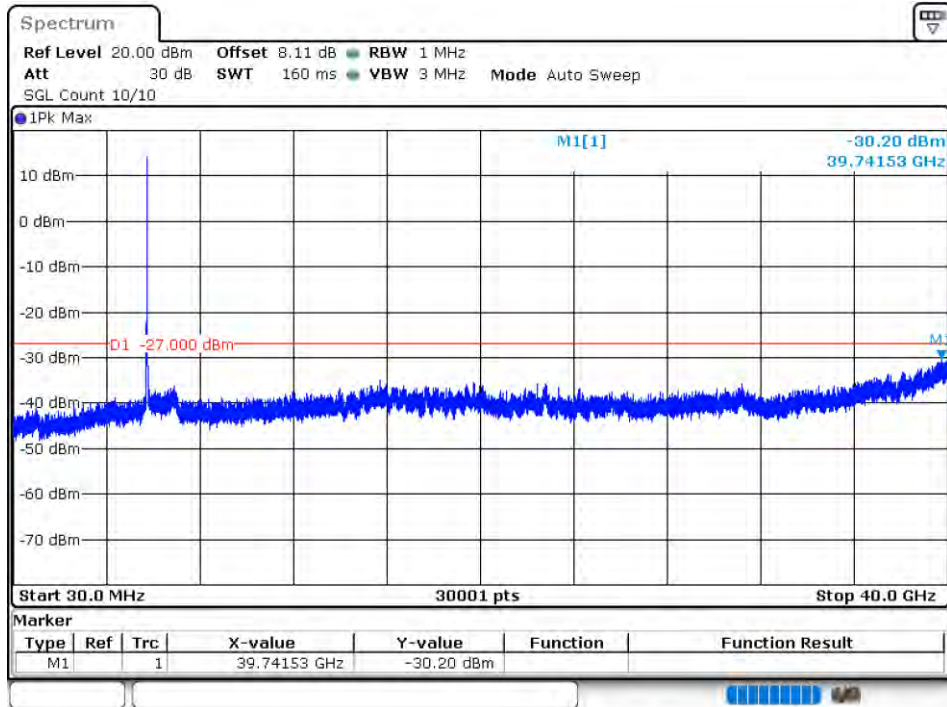
Tx. Spurious NVNT n40 5755MHz Ant1 Emission



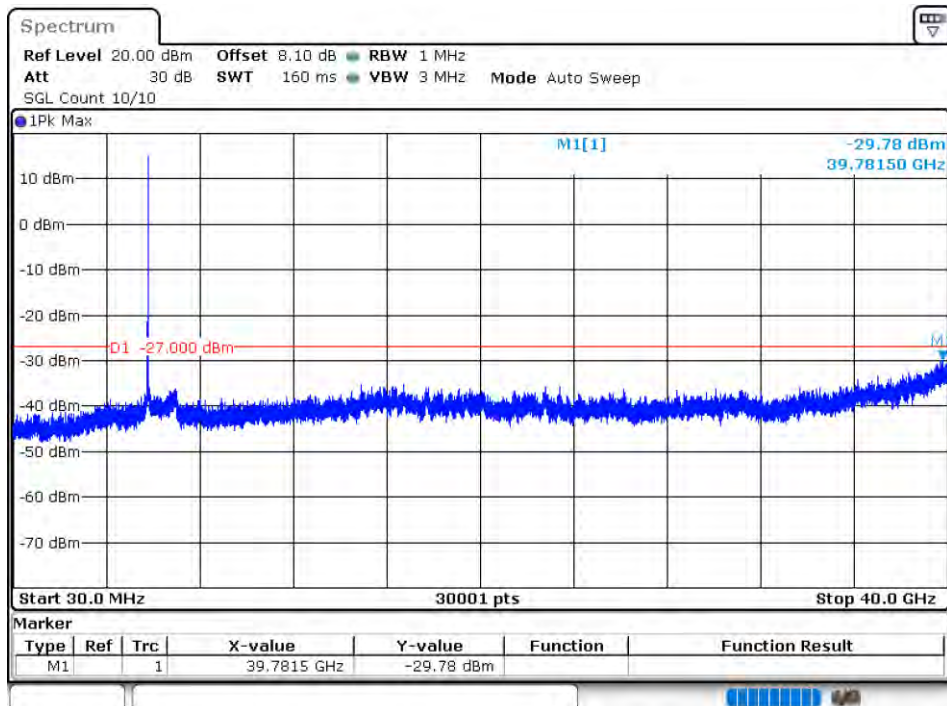
Tx. Spurious NVNT n40 5795MHz Ant1 Emission



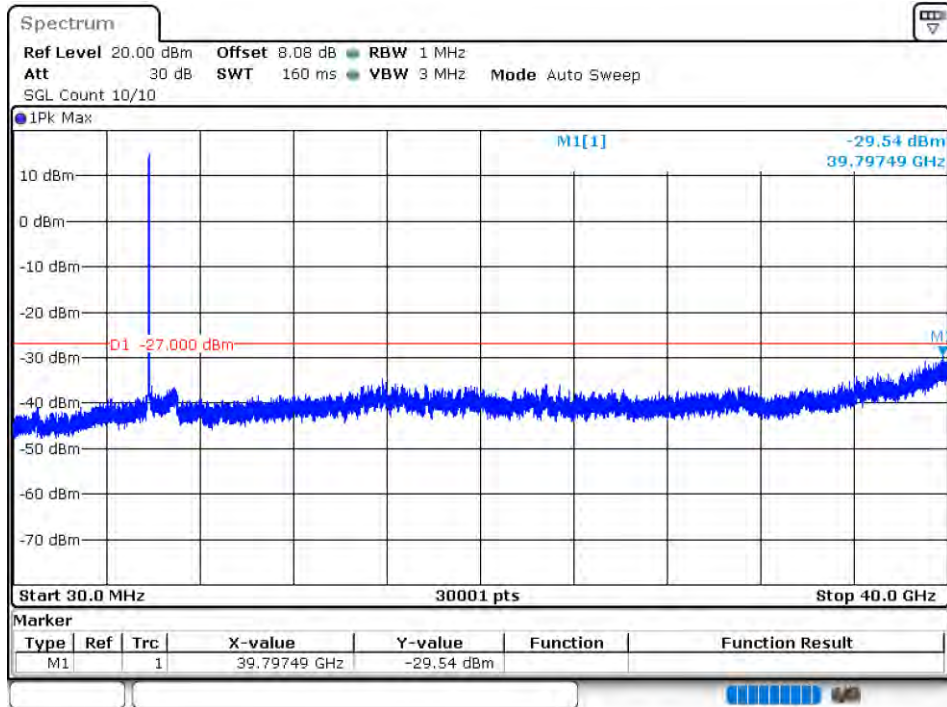
Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



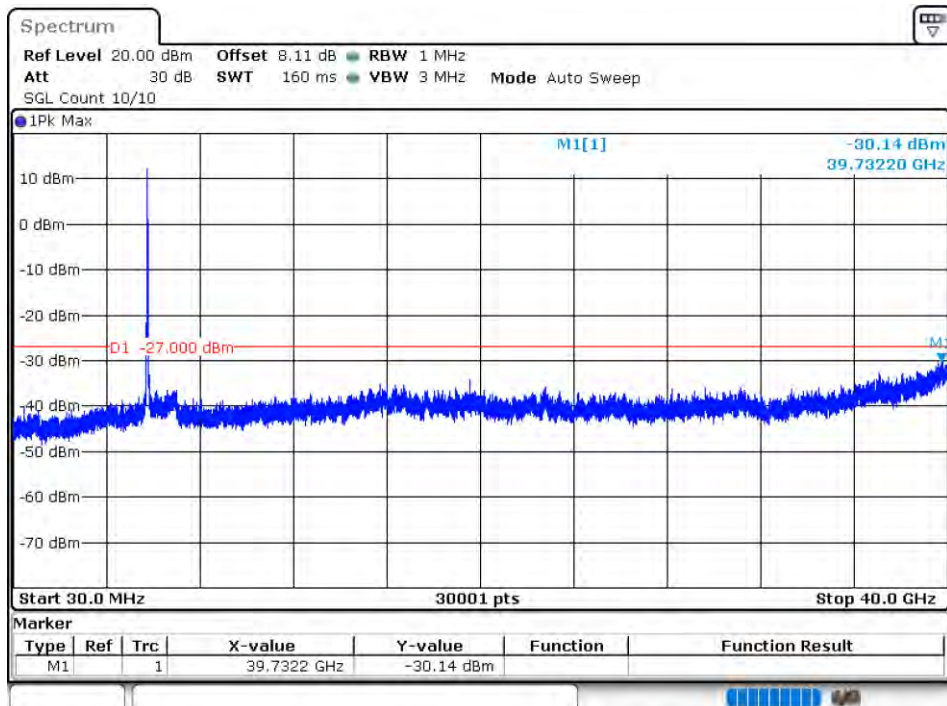
Tx. Spurious NVNT ac20 5785MHz Ant1 Emission



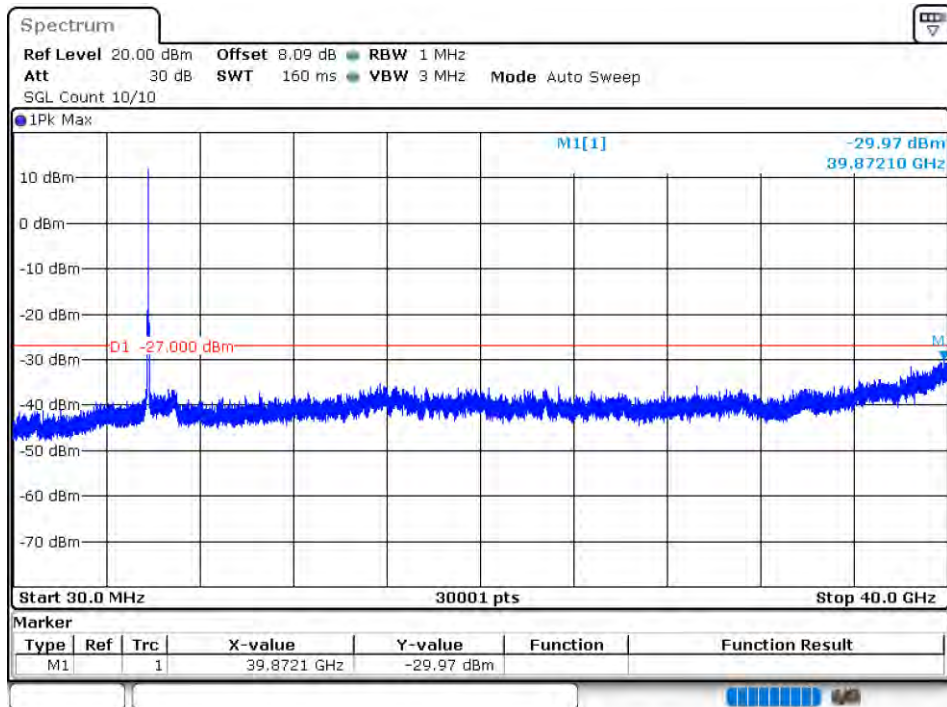
Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



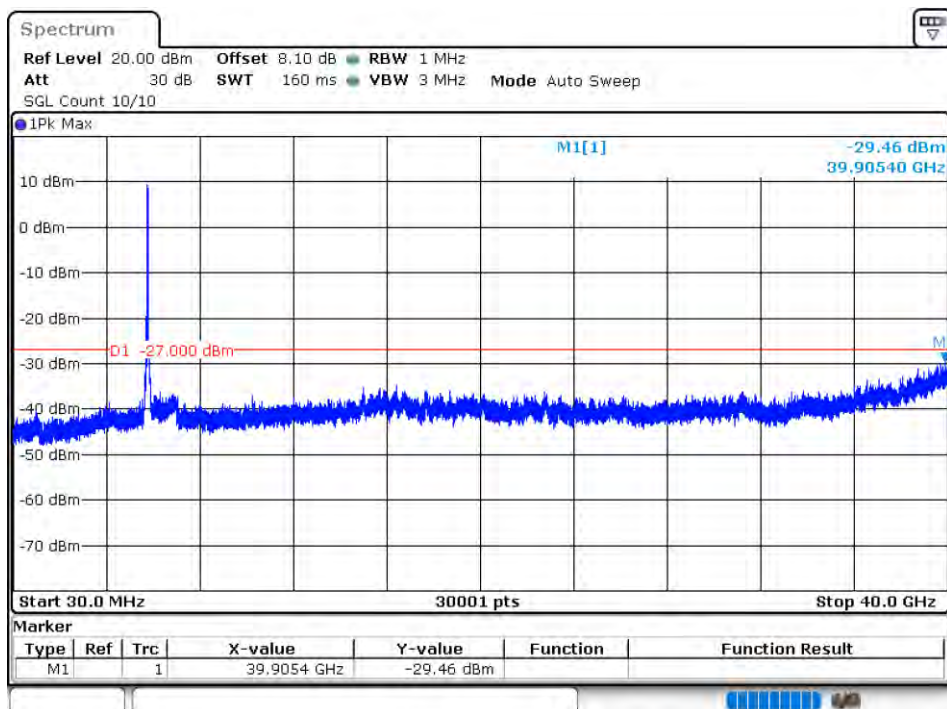
Tx. Spurious NVNT ac40 5755MHz Ant1 Emission



Tx. Spurious NVNT ac40 5795MHz Ant1 Emission



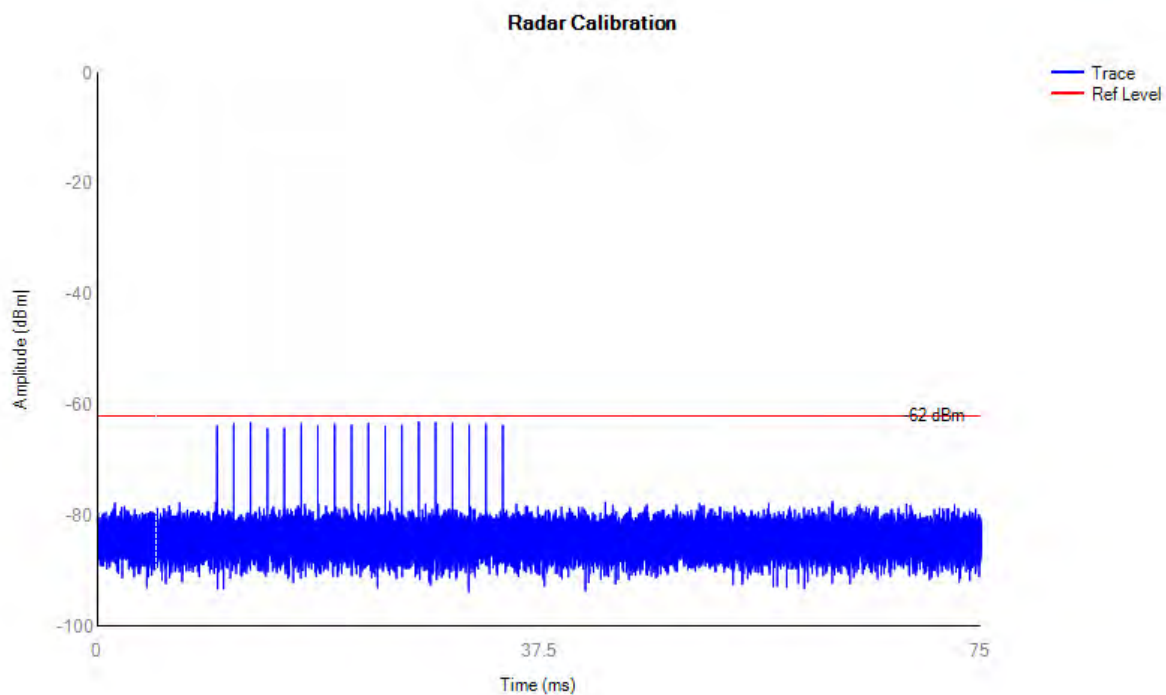
Tx. Spurious NVNT ac80 5775MHz Ant1 Emission



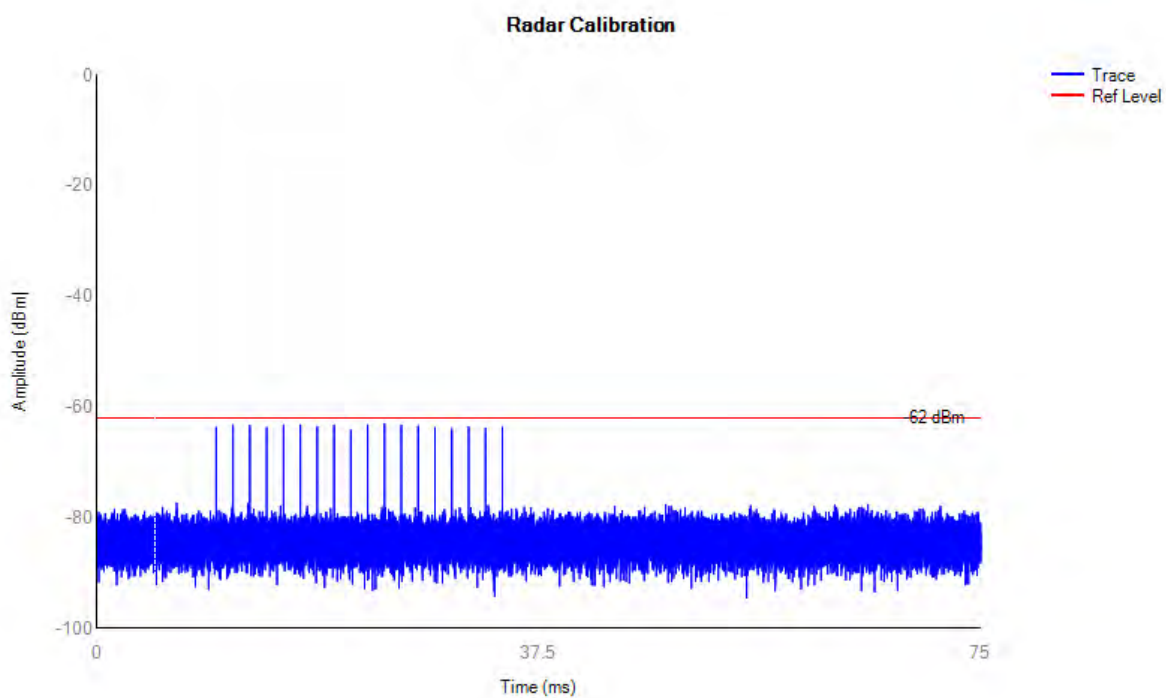
# DFS

## Calibration

5290MHz ac80 DFS\_FCC\_T0

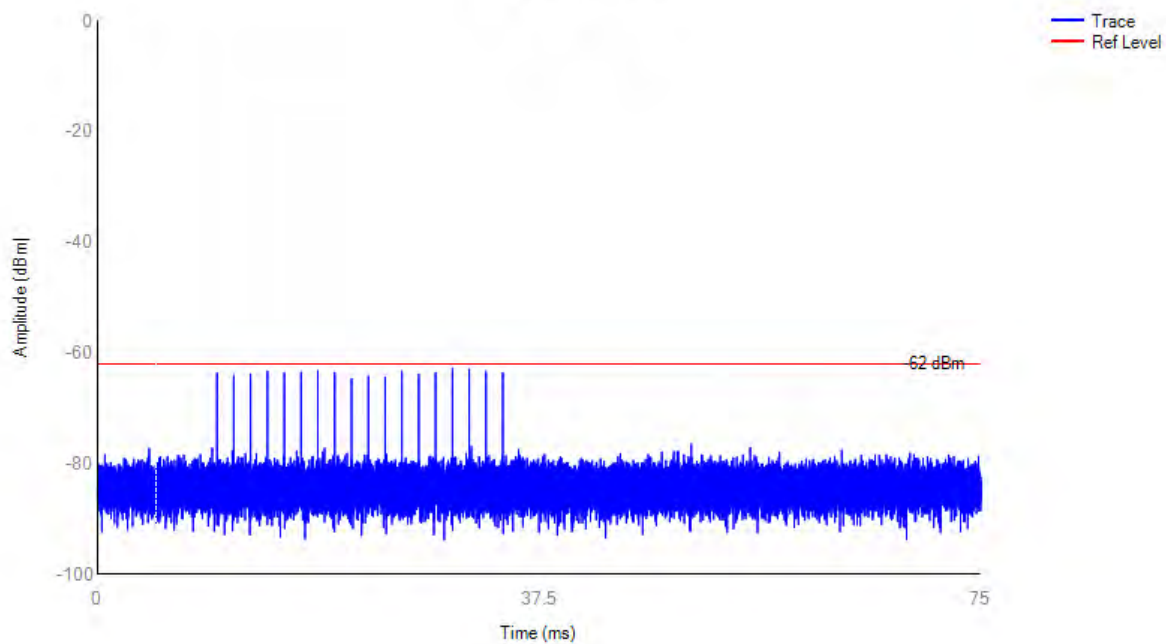


5530MHz ac80 DFS\_FCC\_T0



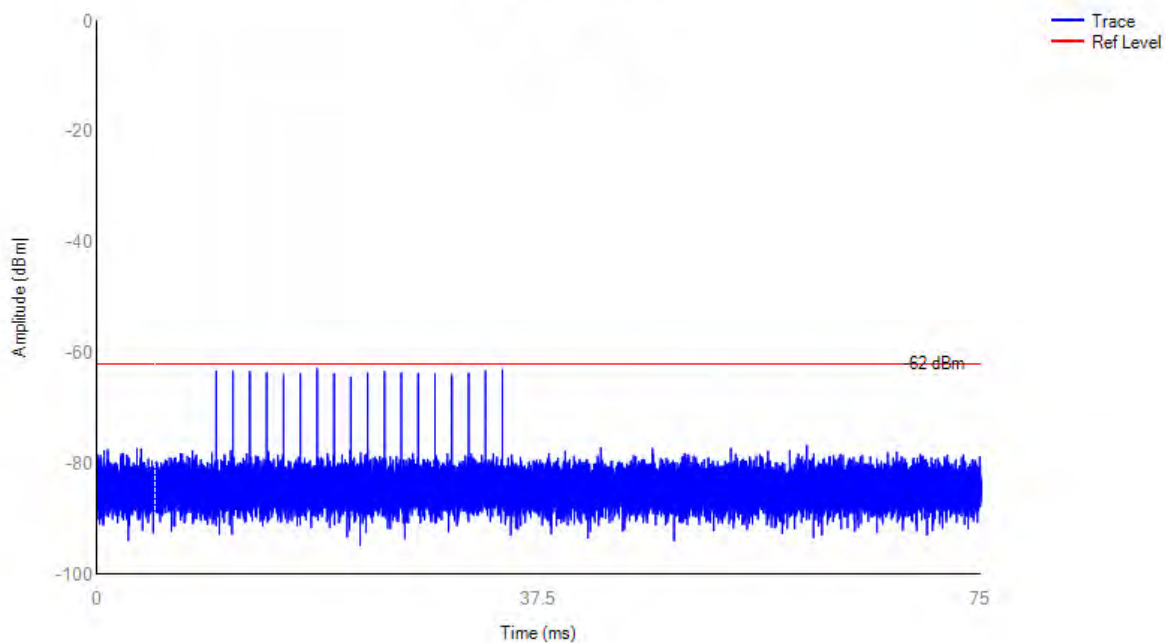
5310MHz n40 DFS\_FCC\_T0

Radar Calibration



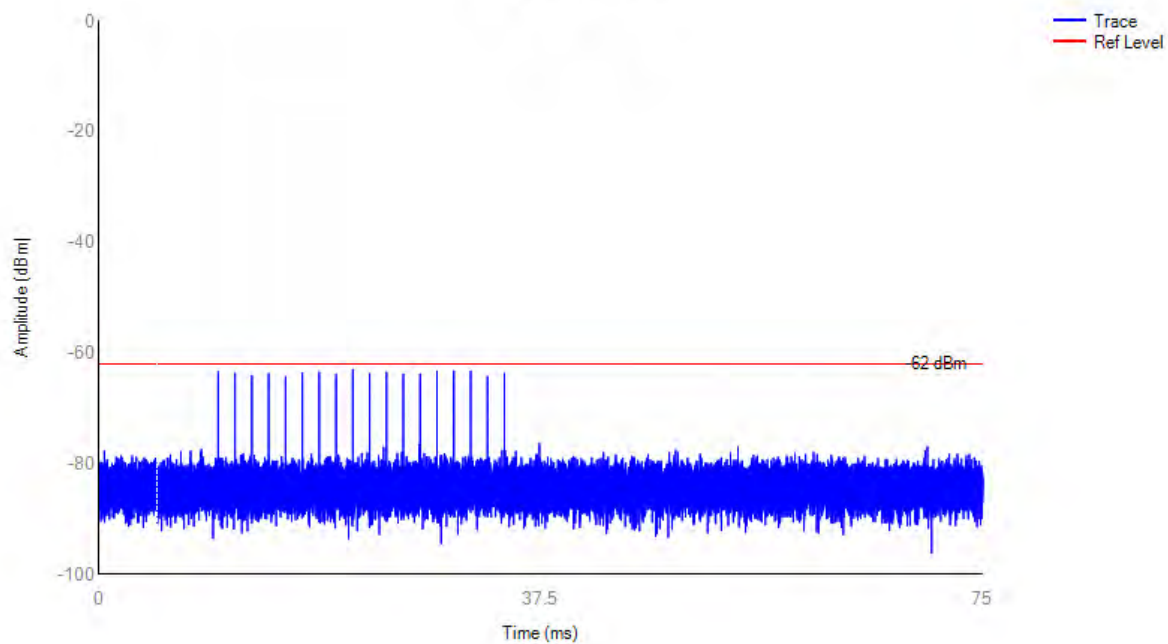
5510MHz n40 DFS\_FCC\_T0

Radar Calibration



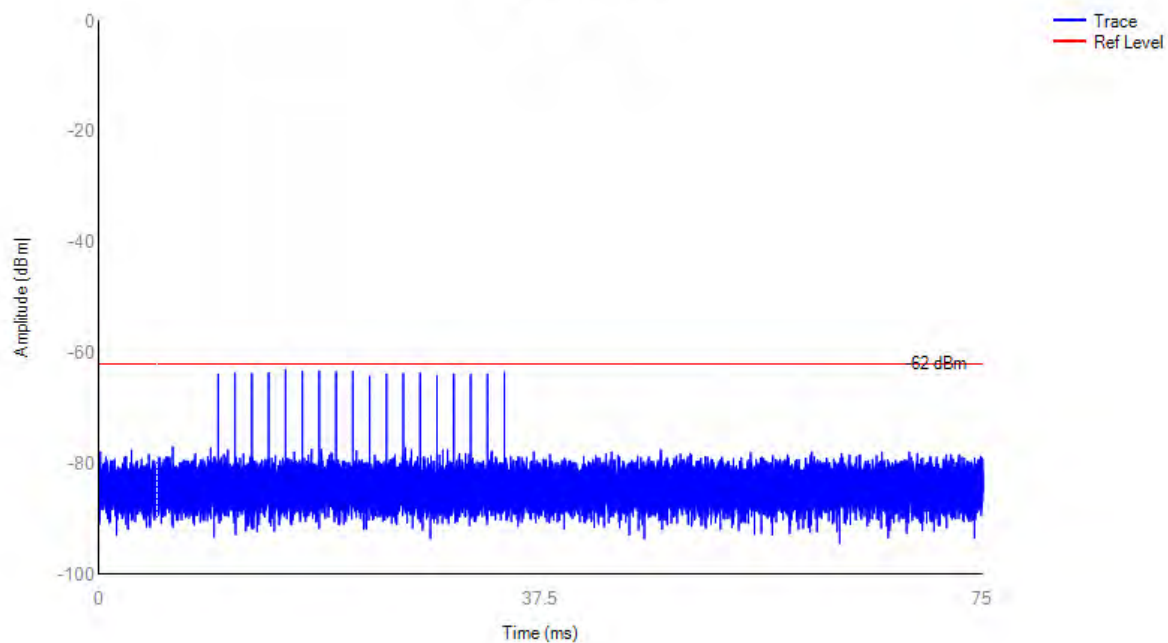
5320MHz a DFS\_FCC\_T0

### Radar Calibration



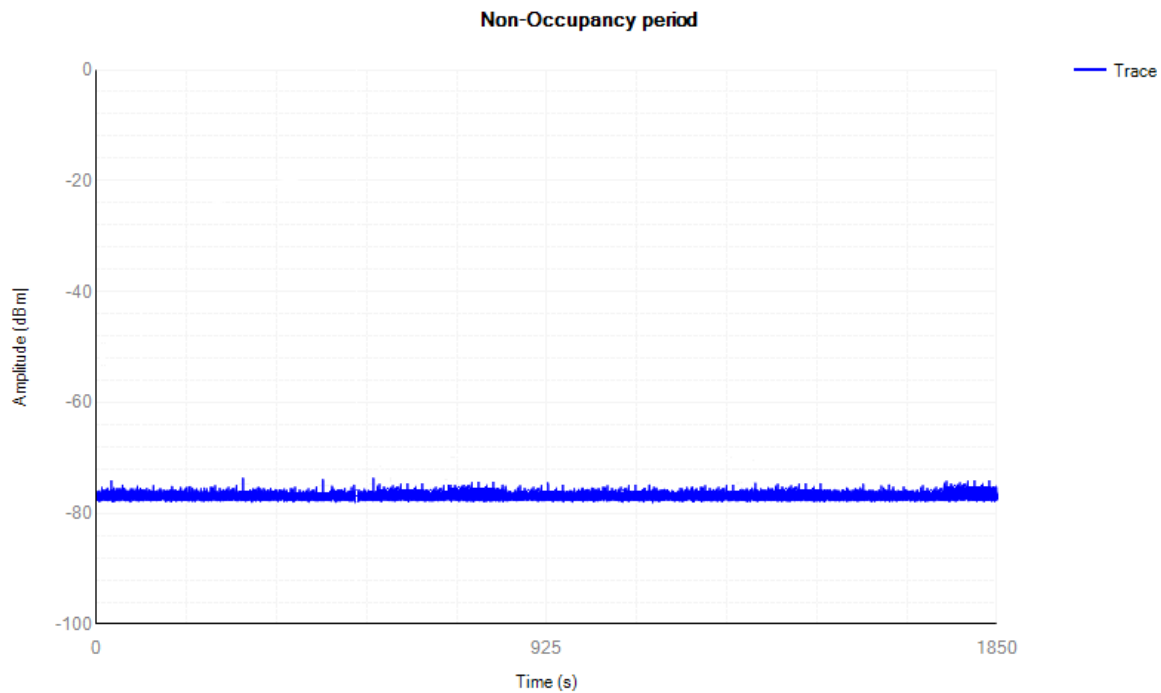
5500MHz a DFS\_FCC\_T0

### Radar Calibration

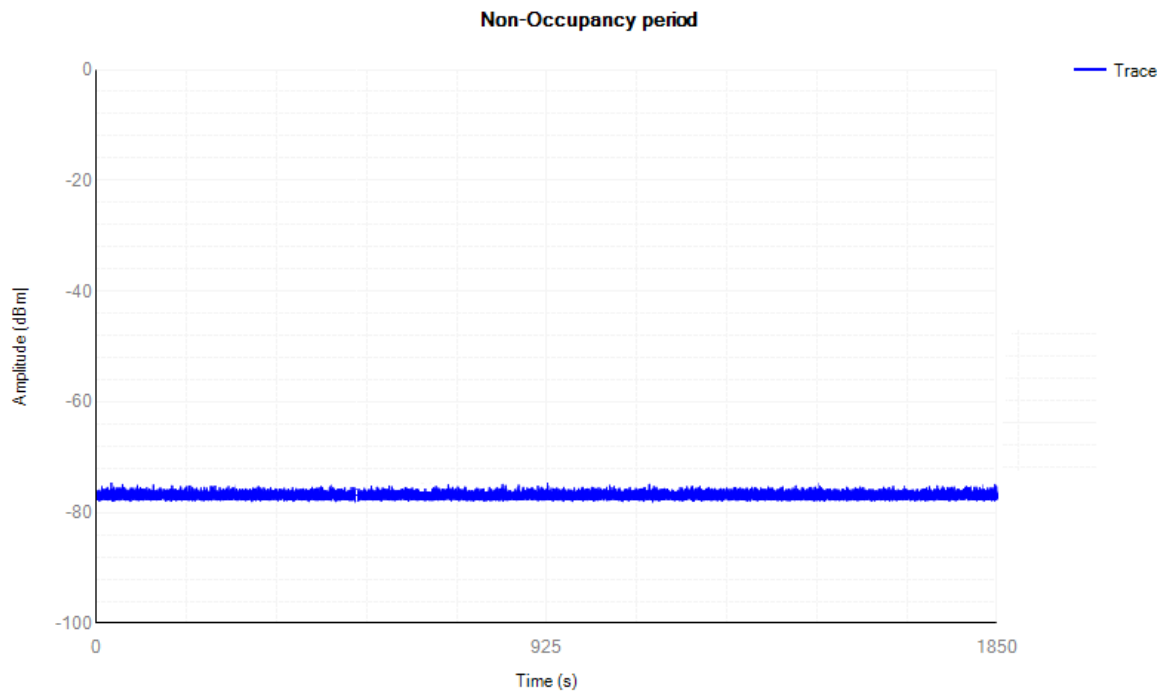


Non-Occupancy

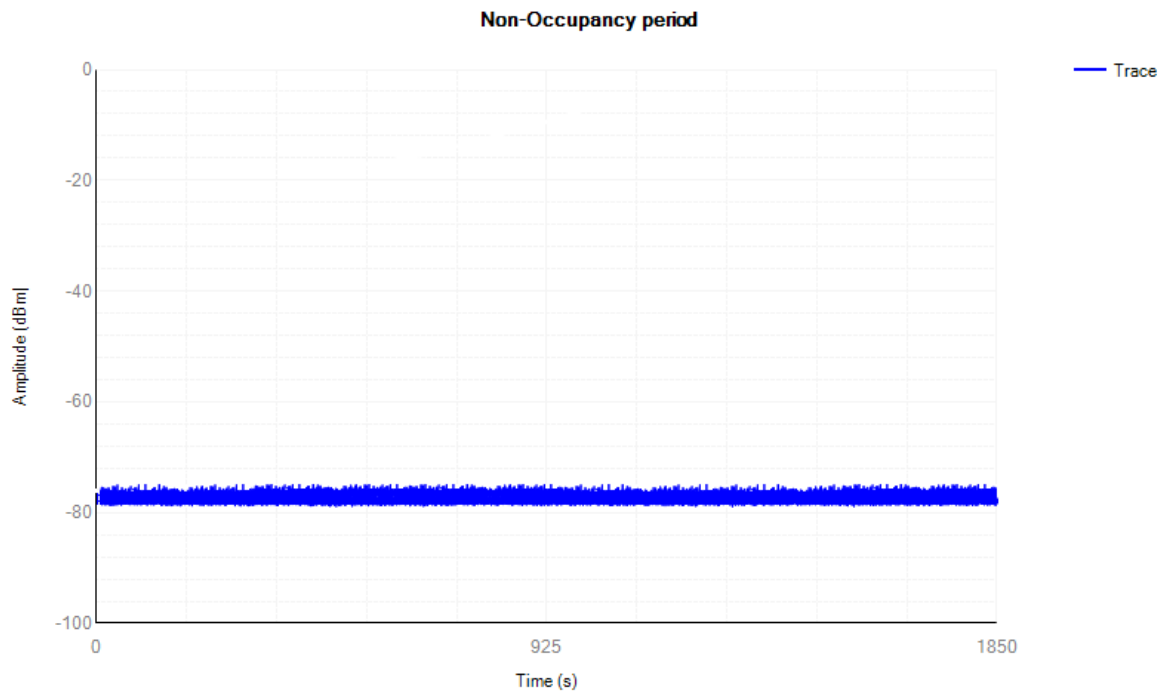
5290MHz ac80 Non-Occupancy



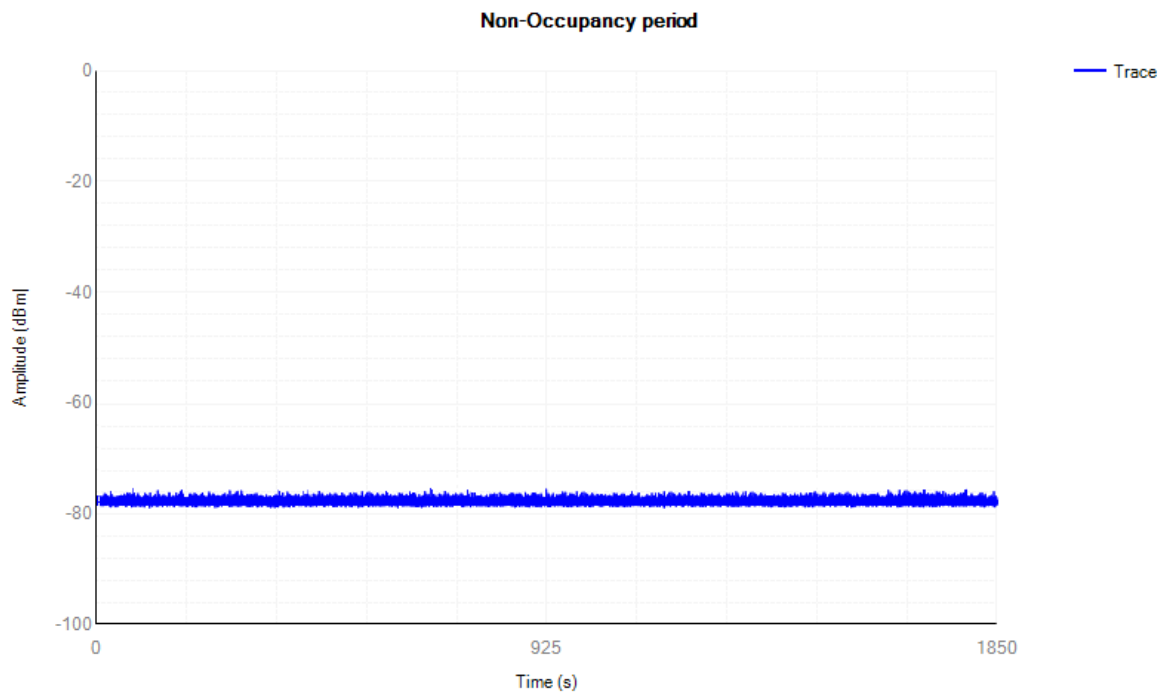
5530MHz ac80 Non-Occupancy



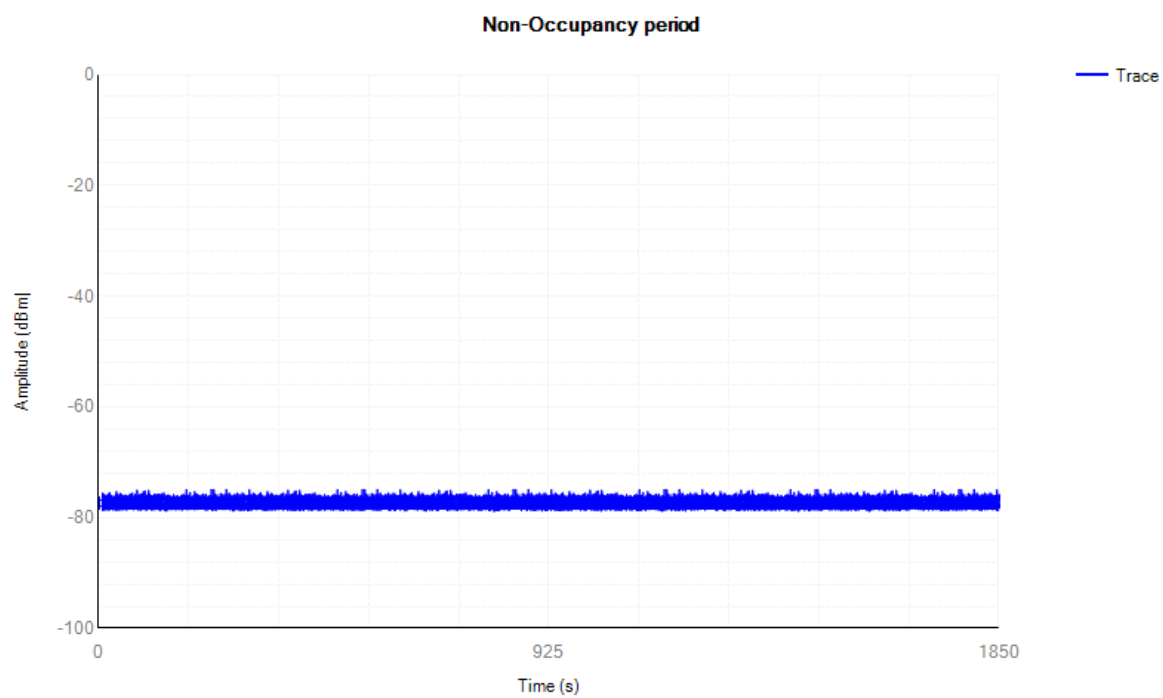
5310MHz n40 Non-Occupancy



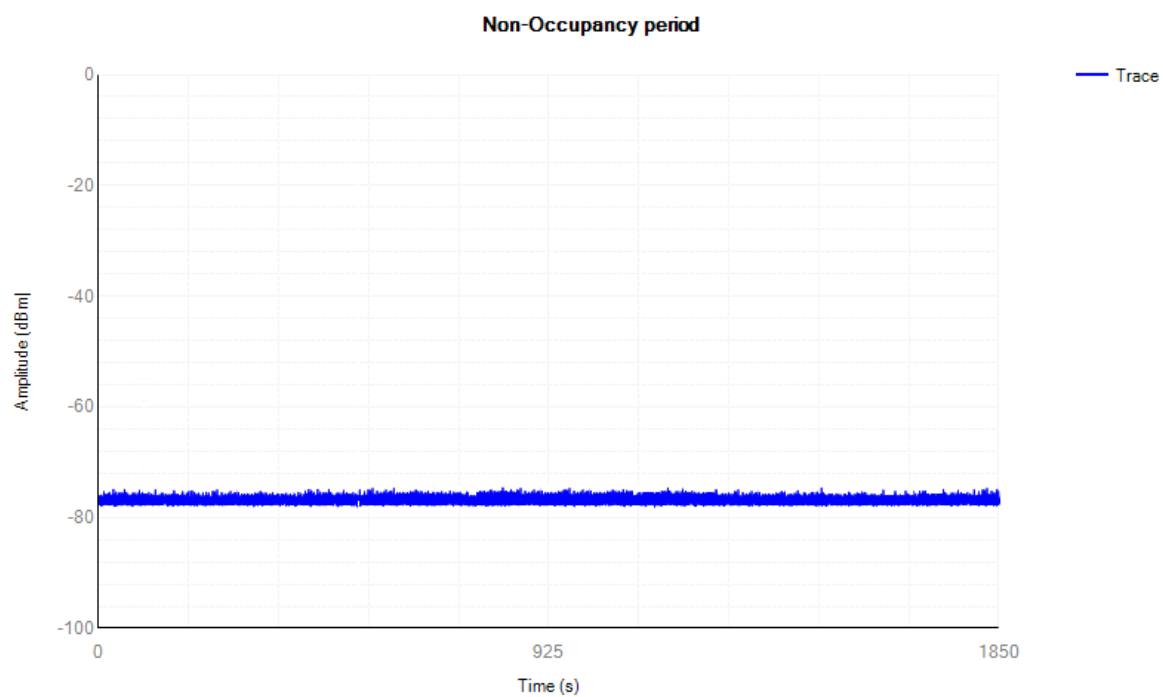
5510MHz n40 Non-Occupancy



5320MHz a Non-Occupancy



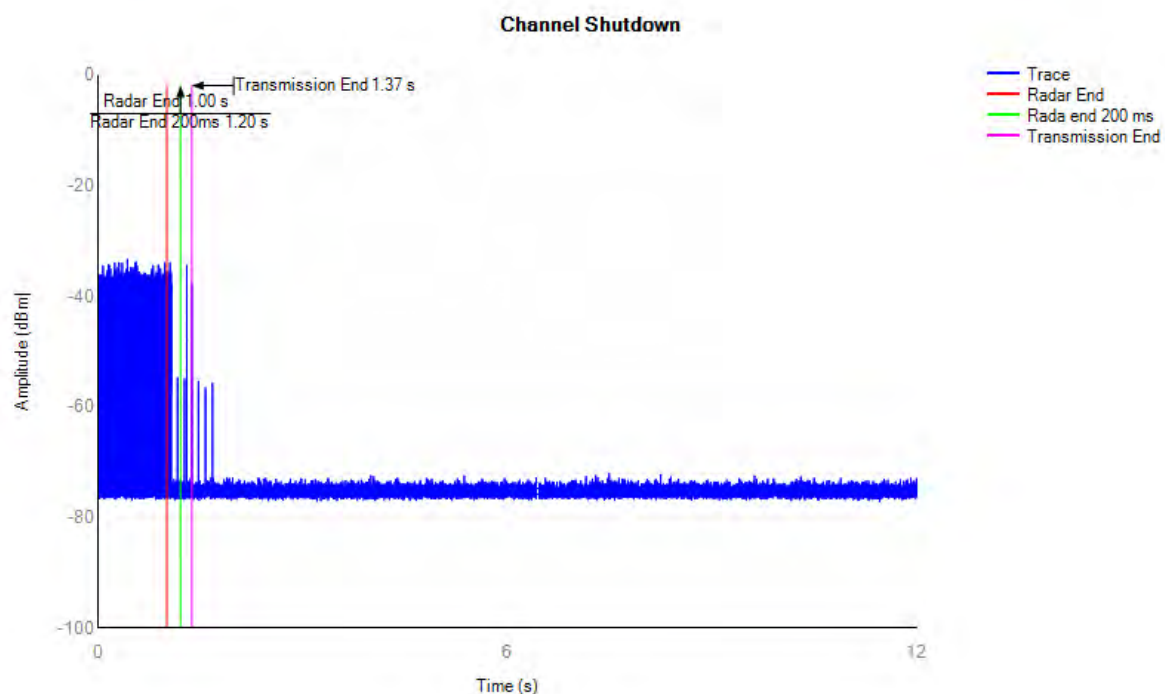
5500MHz a Non-Occupancy



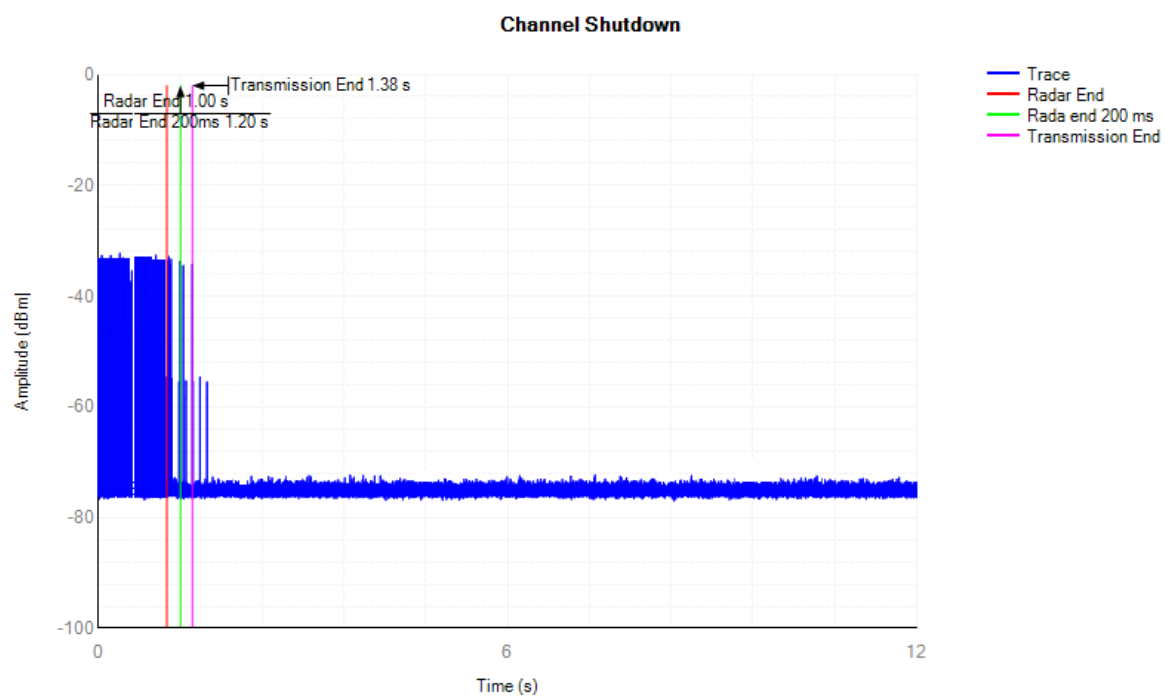
## Shutdown Time

| Mode | Frequency (MHz) | Channel Move Time (s) | Limit Channel Move Time (s) | Close Transmission Time (s) | Limit Close Transmission Time (s) | Close Transmission Time after 200ms(s) | Limit Close Transmission Time after 200ms (s) | Verdict |
|------|-----------------|-----------------------|-----------------------------|-----------------------------|-----------------------------------|----------------------------------------|-----------------------------------------------|---------|
| ac80 | 5290            | 0.366                 | 10                          | 0.0096                      | 0.26                              | 0.0008                                 | 0.06                                          | Pass    |
| ac80 | 5530            | 0.3752                | 10                          | 0.0052                      | 0.26                              | 0.0008                                 | 0.06                                          | Pass    |
| n40  | 5310            | 0.41                  | 10                          | 0.004                       | 0.26                              | 0.0024                                 | 0.06                                          | Pass    |
| n40  | 5510            | 0.4512                | 10                          | 0.0072                      | 0.26                              | 0.0024                                 | 0.06                                          | Pass    |
| 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    |

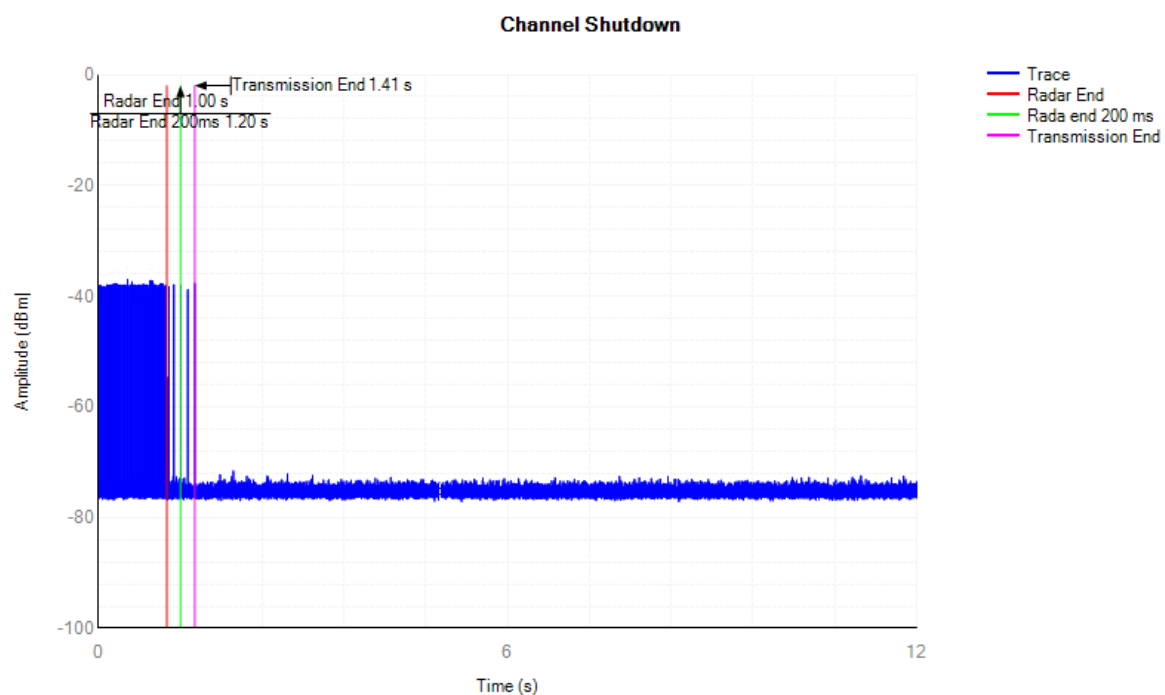
5290MHz ac80 Shutdown



### 5530MHz ac80 Shutdown

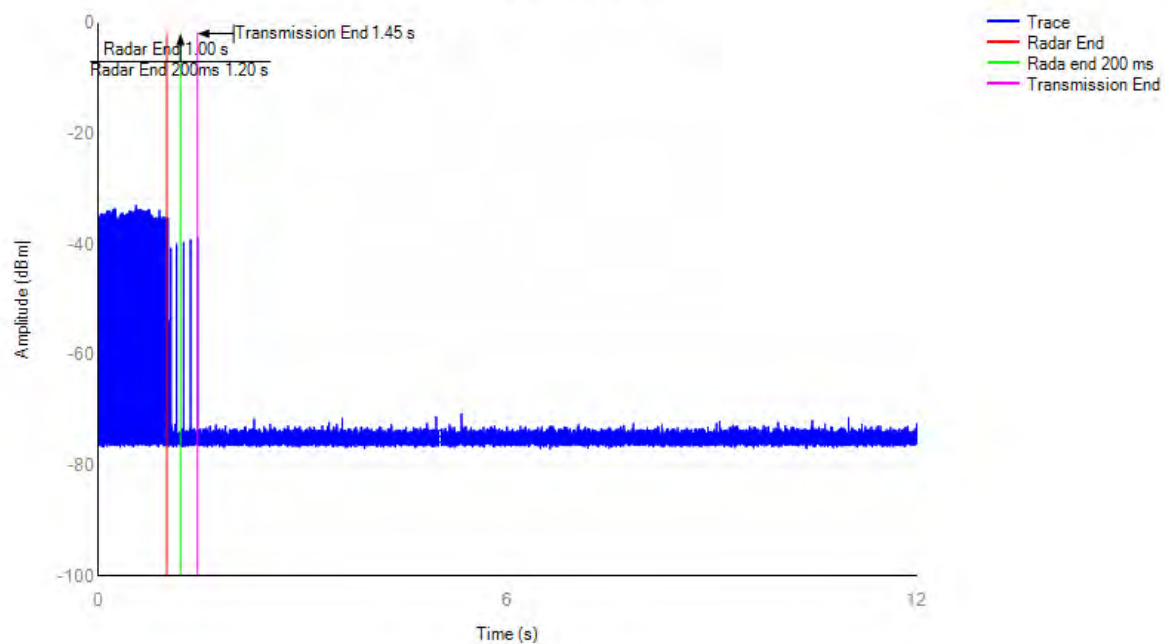


### 5310MHz n40 Shutdown



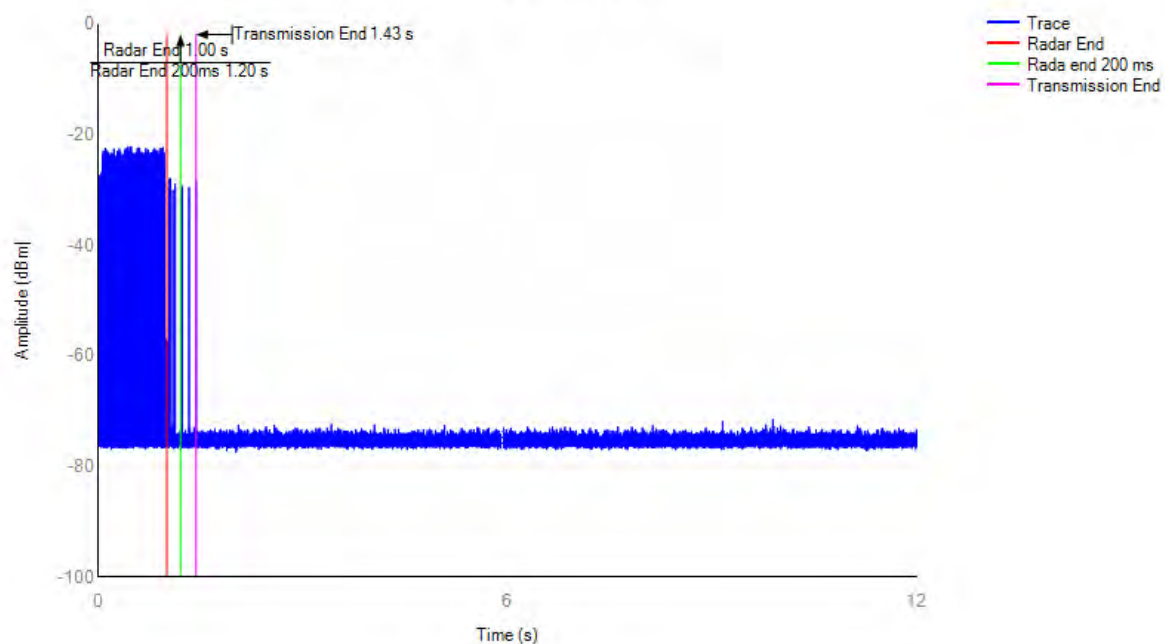
# 5510MHz n40 Shutdown

## Channel Shutdown



# 5320MHz a Shutdown

## Channel Shutdown



# 5500MHz a Shutdown

## Channel Shutdown

