

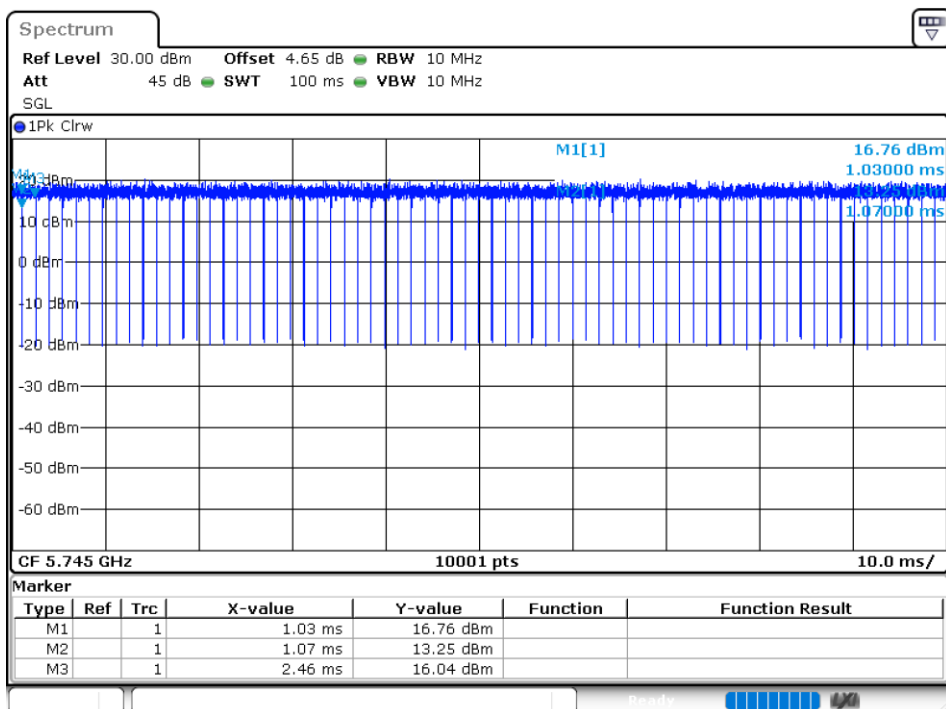
# WIFI 5.8G

## Duty Cycle

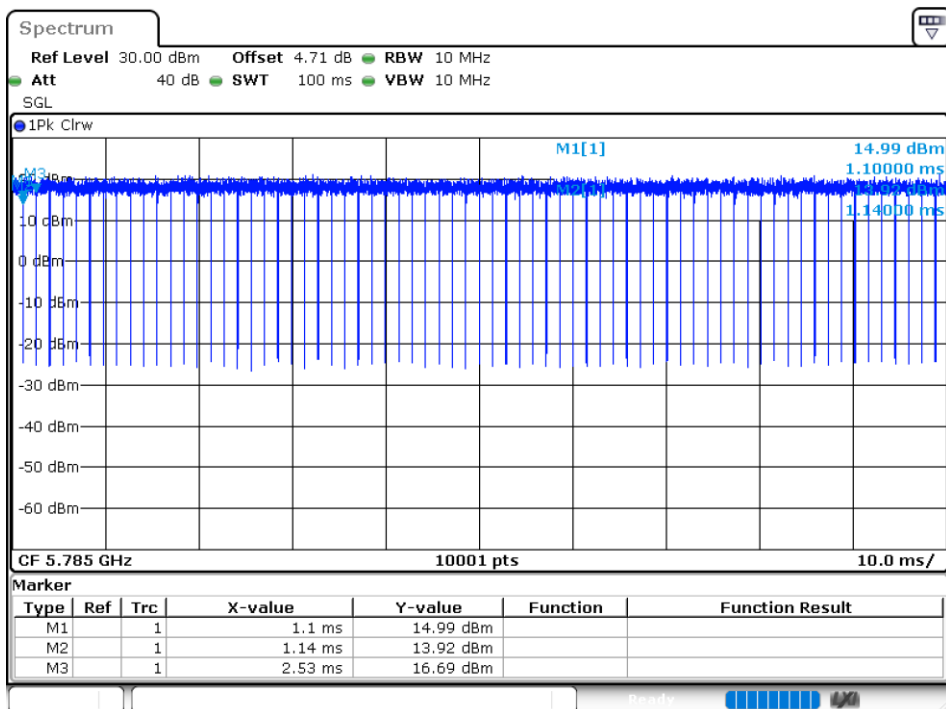
| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | a    | 5745            | Ant1    | 97.62          | 0.1                    | 0.72      |
| NVNT      | a    | 5785            | Ant1    | 97.61          | 0.11                   | 0.72      |
| NVNT      | a    | 5825            | Ant1    | 97.63          | 0.1                    | 0.72      |
| NVNT      | n20  | 5745            | Ant1    | 97.44          | 0.11                   | 0.77      |
| NVNT      | n20  | 5785            | Ant1    | 97.44          | 0.11                   | 0.77      |
| NVNT      | n20  | 5825            | Ant1    | 97.42          | 0.11                   | 0.77      |
| NVNT      | n40  | 5755            | Ant1    | 95.09          | 0.22                   | 1.54      |
| NVNT      | n40  | 5795            | Ant1    | 95.09          | 0.22                   | 1.54      |
| NVNT      | ac20 | 5745            | Ant1    | 97.44          | 0.11                   | 0.76      |
| NVNT      | ac20 | 5785            | Ant1    | 97.45          | 0.11                   | 0.76      |
| NVNT      | ac20 | 5825            | Ant1    | 97.46          | 0.11                   | 0.76      |
| NVNT      | ac40 | 5755            | Ant1    | 95.09          | 0.22                   | 1.54      |
| NVNT      | ac40 | 5795            | Ant1    | 95.13          | 0.22                   | 1.54      |
| NVNT      | ac80 | 5775            | Ant1    | 90.74          | 0.42                   | 3.13      |

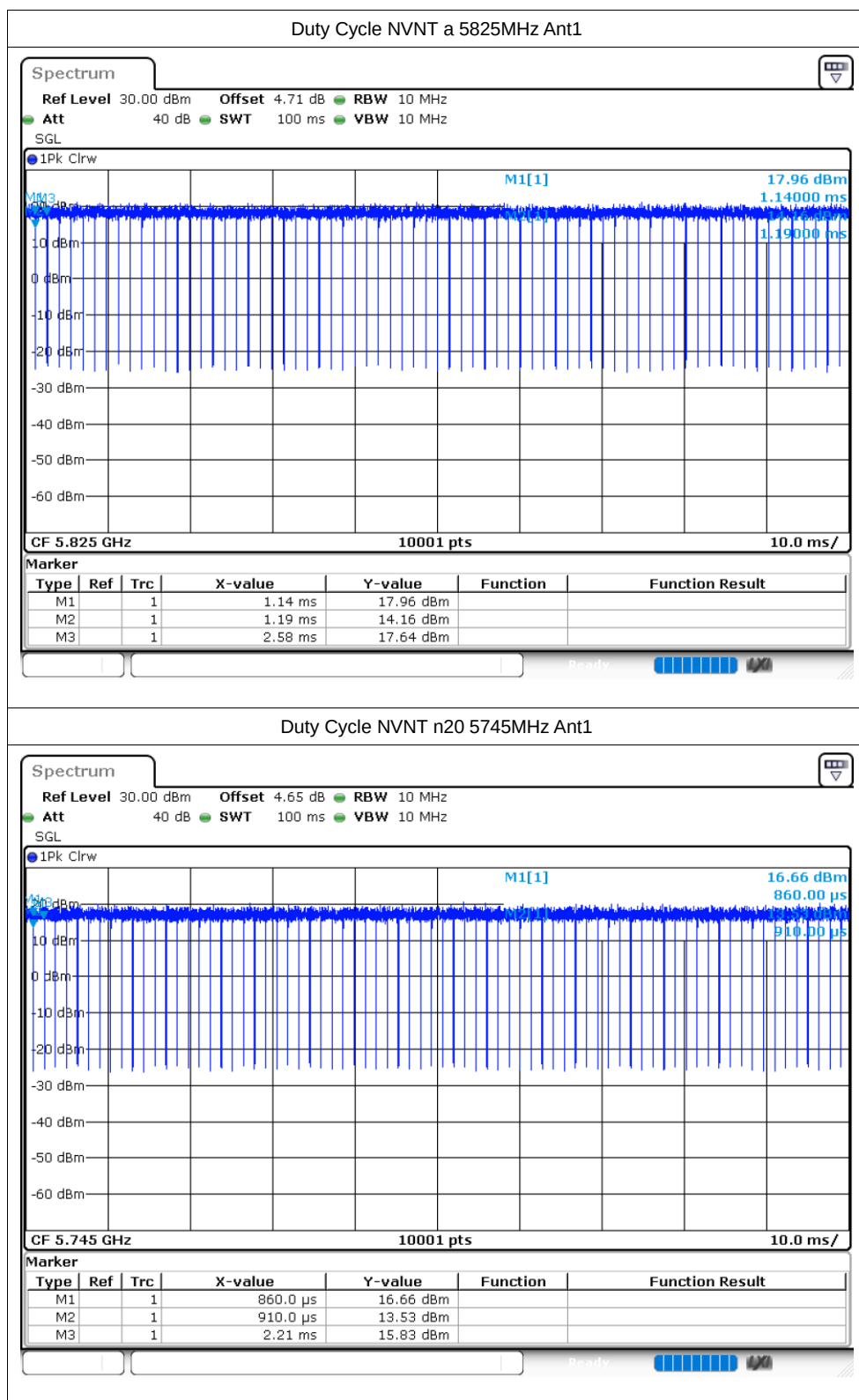
## Test Graphs

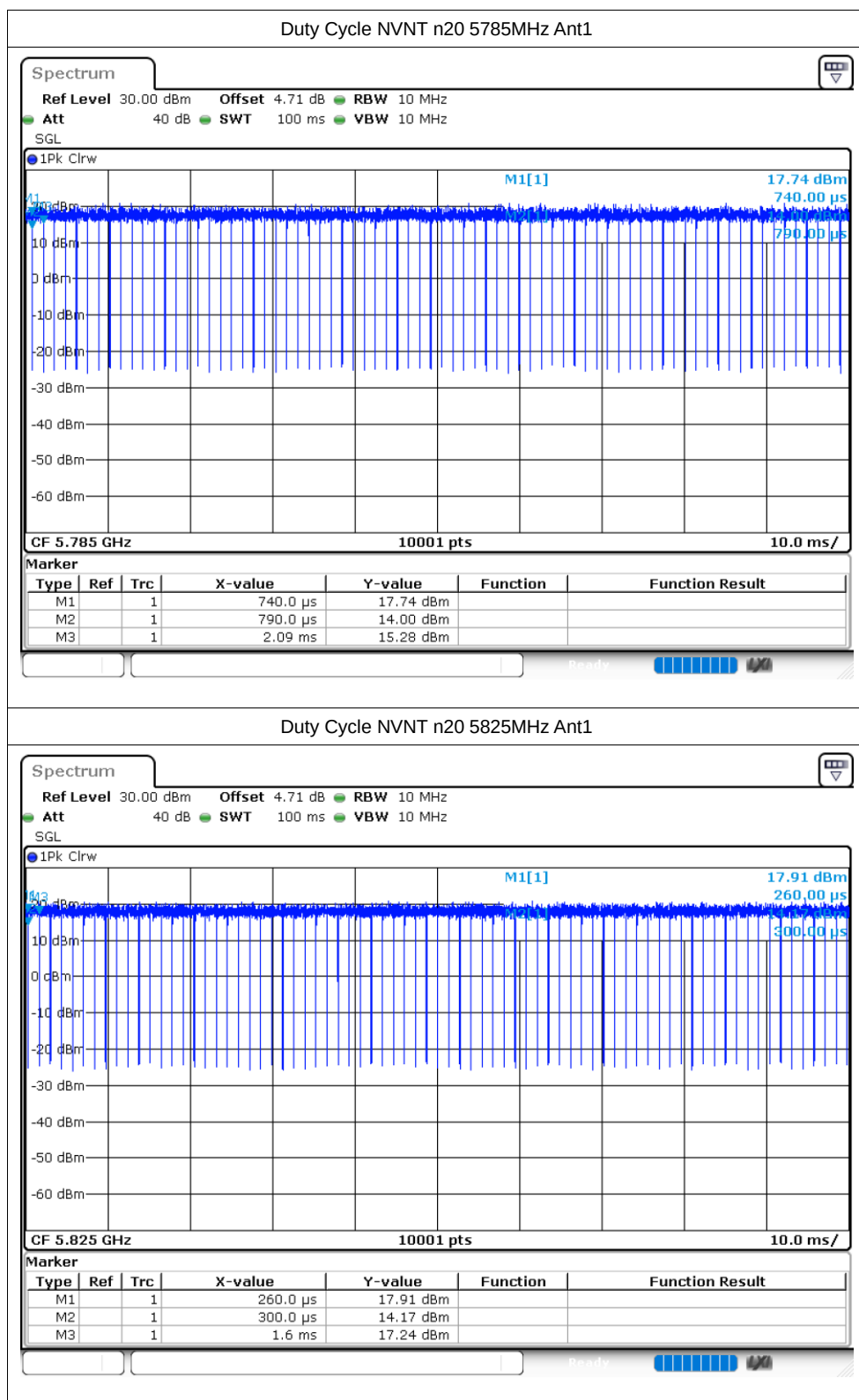
### Duty Cycle NVNT a 5745MHz Ant1

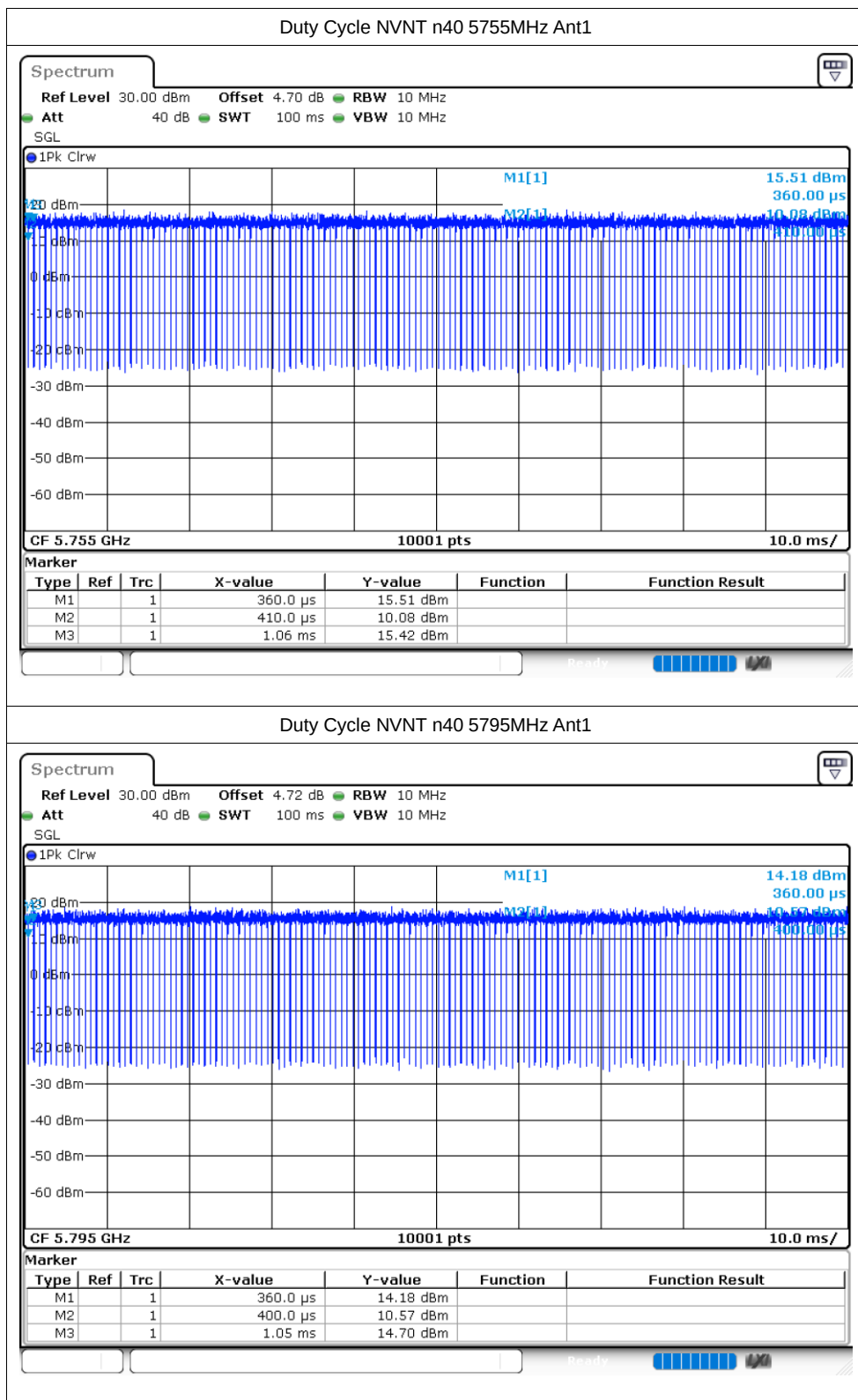


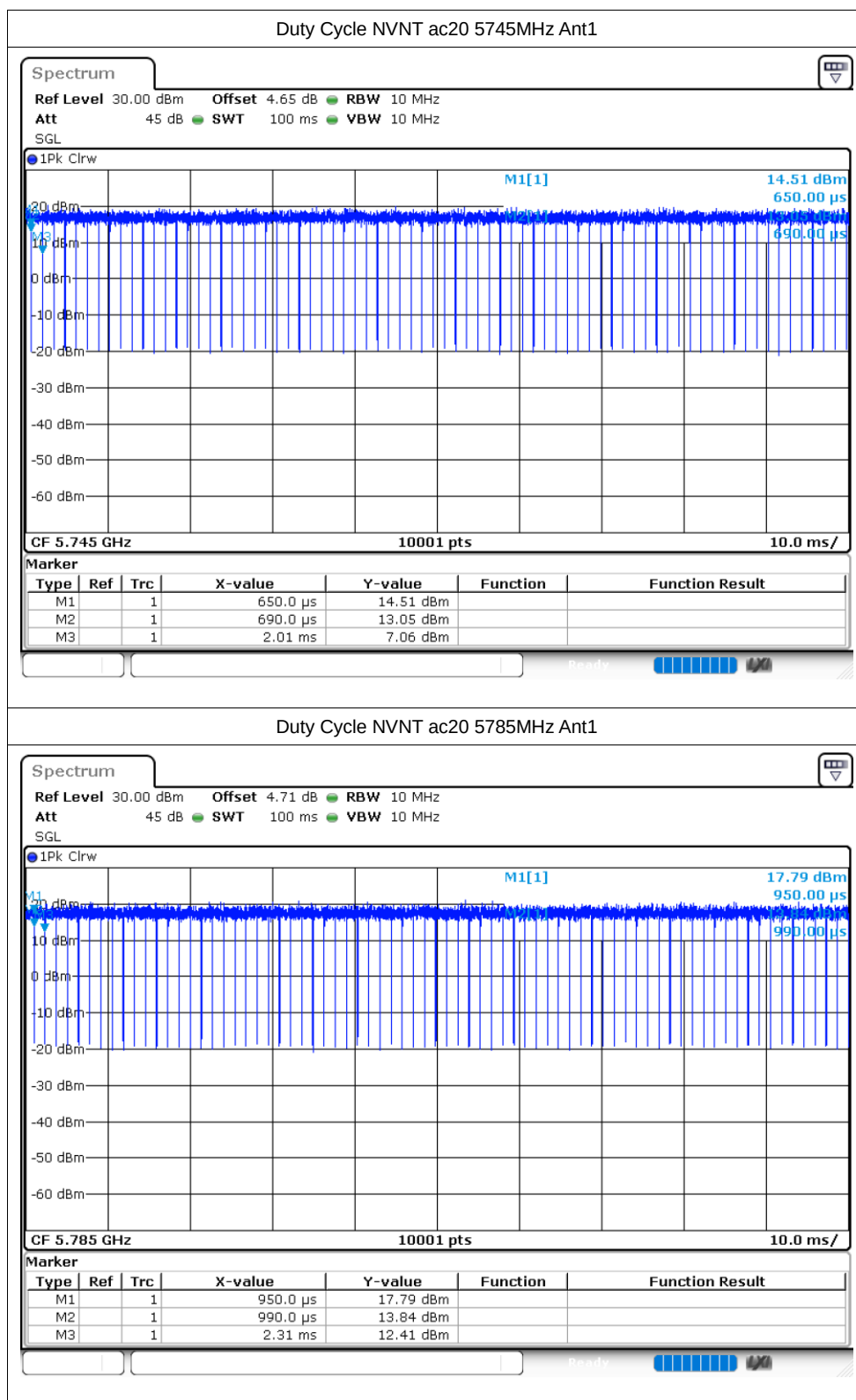
### Duty Cycle NVNT a 5785MHz Ant1

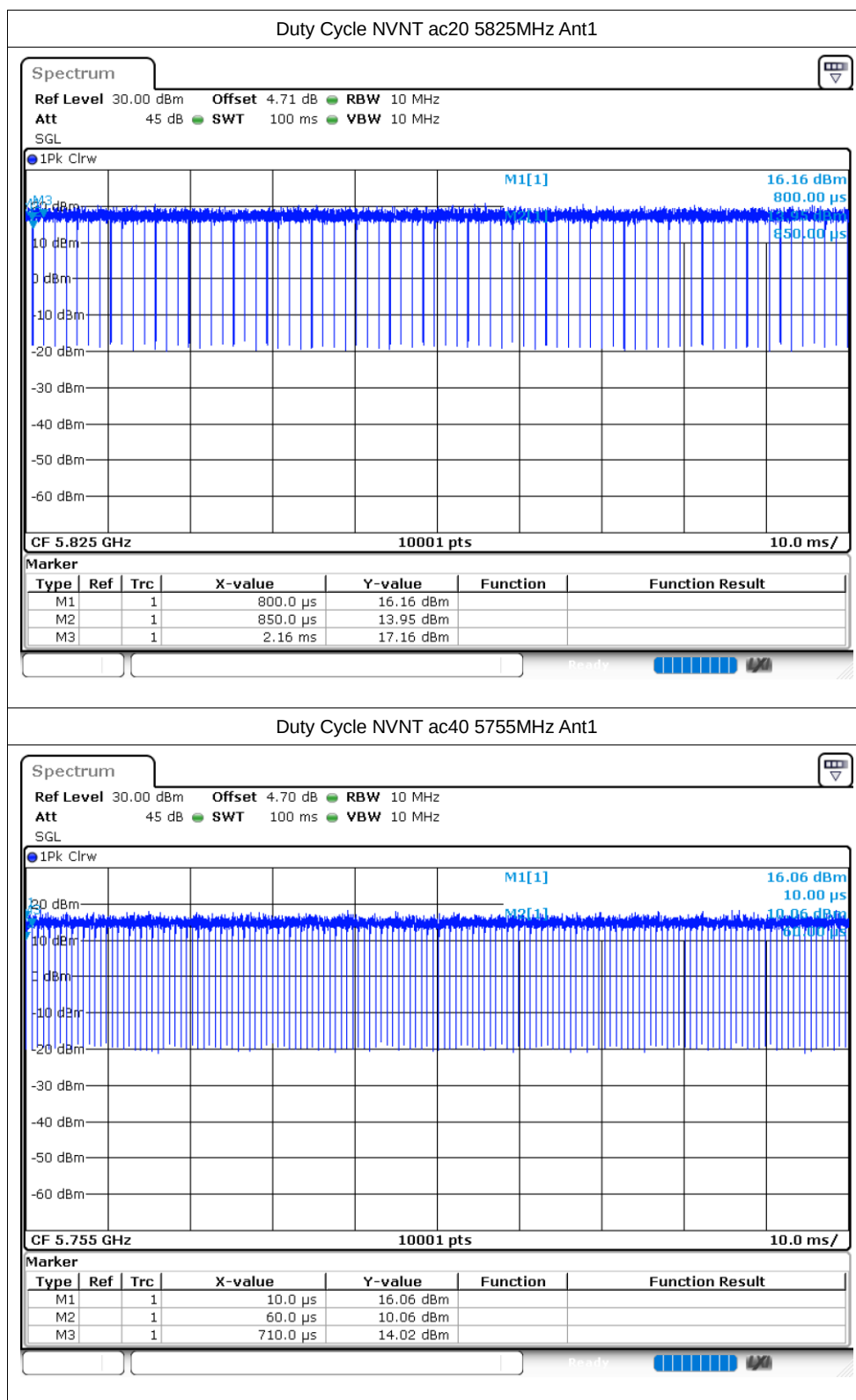


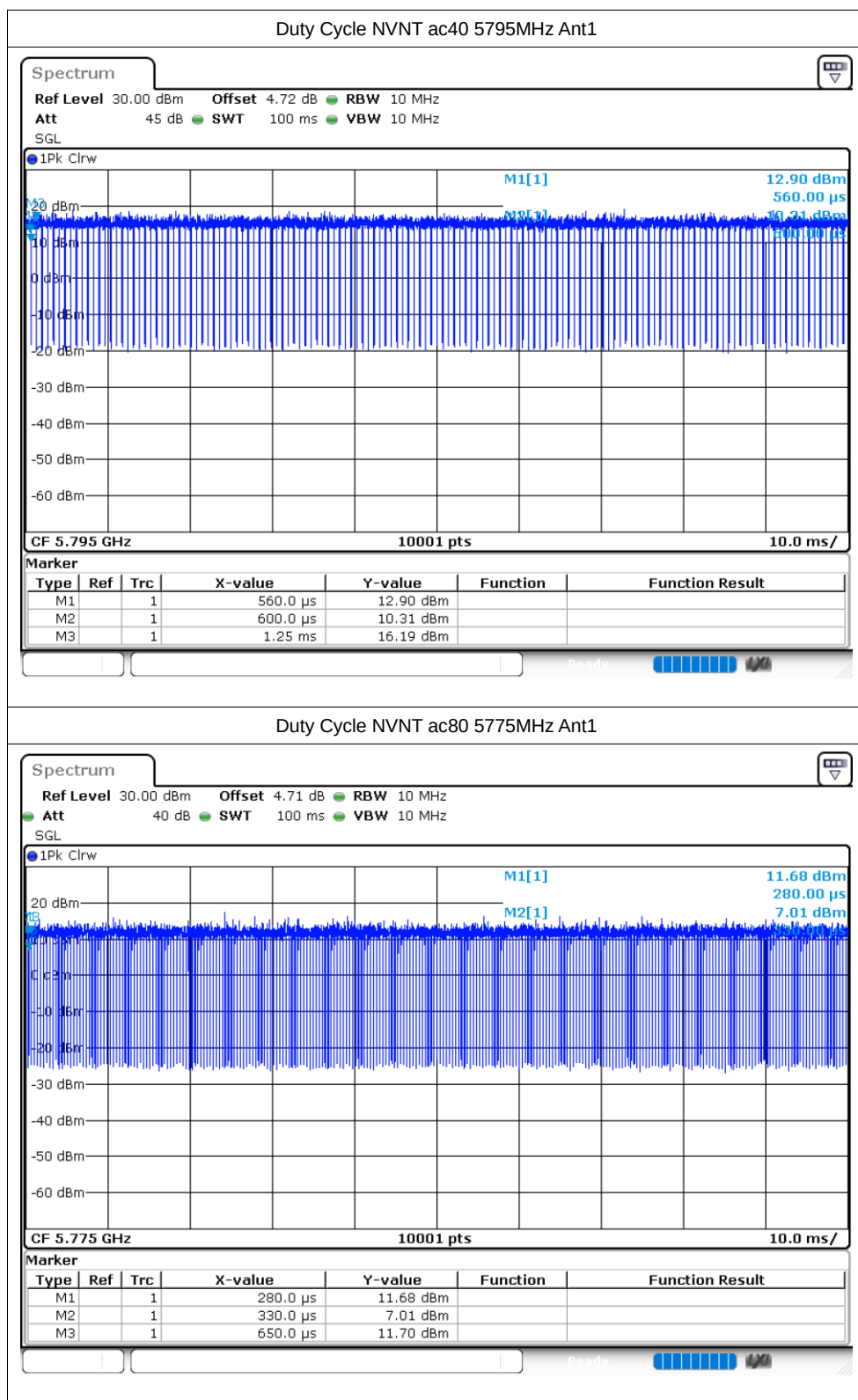












## Maximum Conducted Output Power

| Condition | Mode | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|------|--------------------|---------|--------------------------|----------------|---------|
| NVNT      | a    | 5745               | Ant1    | 13.02                    | 30             | Pass    |
| NVNT      | a    | 5785               | Ant1    | 13.15                    | 30             | Pass    |
| NVNT      | a    | 5825               | Ant1    | 12.96                    | 30             | Pass    |
| NVNT      | n20  | 5745               | Ant1    | 12.57                    | 30             | Pass    |
| NVNT      | n20  | 5785               | Ant1    | 12.99                    | 30             | Pass    |
| NVNT      | n20  | 5825               | Ant1    | 12.79                    | 30             | Pass    |
| NVNT      | n40  | 5755               | Ant1    | 12.72                    | 30             | Pass    |
| NVNT      | n40  | 5795               | Ant1    | 13.02                    | 30             | Pass    |
| NVNT      | ac20 | 5745               | Ant1    | 12.56                    | 30             | Pass    |
| NVNT      | ac20 | 5785               | Ant1    | 13.21                    | 30             | Pass    |
| NVNT      | ac20 | 5825               | Ant1    | 12.88                    | 30             | Pass    |
| NVNT      | ac40 | 5755               | Ant1    | 12.69                    | 30             | Pass    |
| NVNT      | ac40 | 5795               | Ant1    | 13.16                    | 30             | Pass    |
| NVNT      | ac80 | 5775               | Ant1    | 12.96                    | 30             | Pass    |

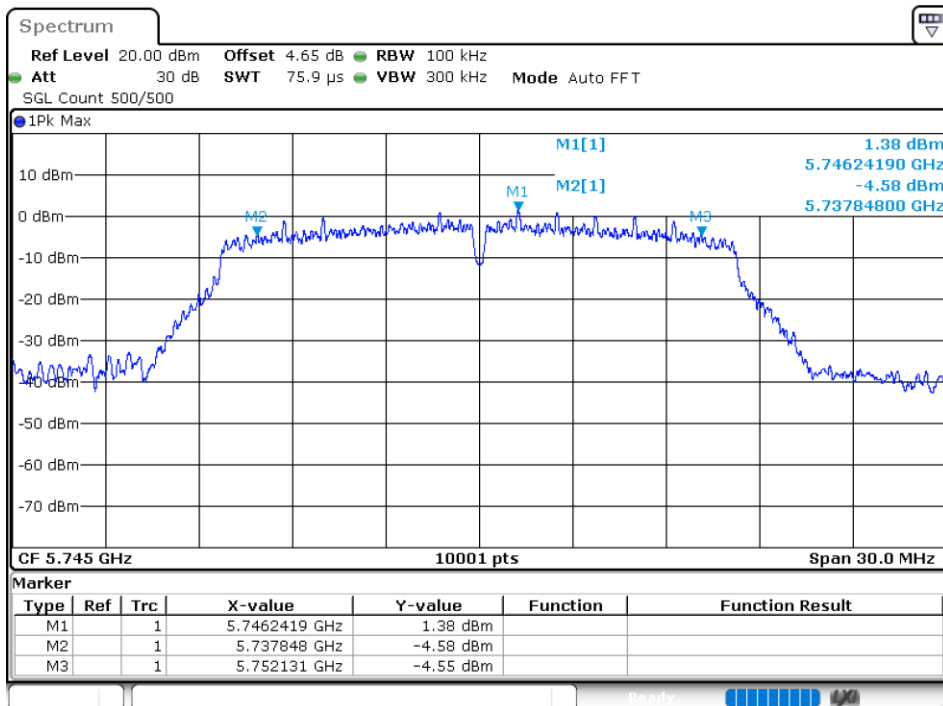
Note: The average power value already includes the duty cycle factor.

## -6dB Bandwidth

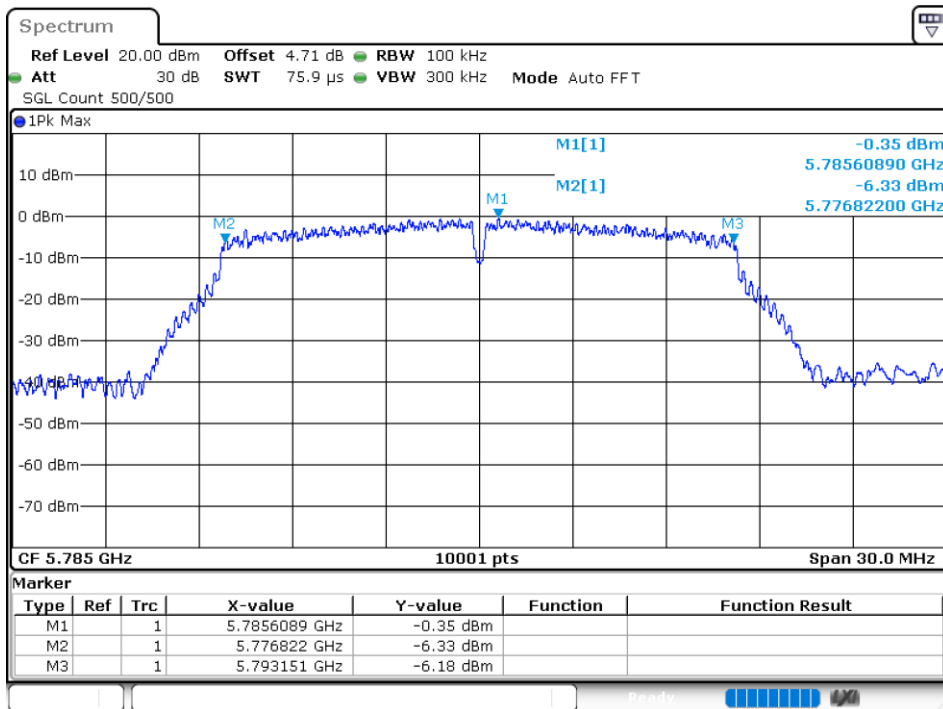
| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | a    | 5745            | Ant1    | 14.283                | 0.5                         | Pass    |
| NVNT      | a    | 5785            | Ant1    | 16.329                | 0.5                         | Pass    |
| NVNT      | a    | 5825            | Ant1    | 14.418                | 0.5                         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | 14.058                | 0.5                         | Pass    |
| NVNT      | n20  | 5785            | Ant1    | 15.006                | 0.5                         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | 17.034                | 0.5                         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | 35.094                | 0.5                         | Pass    |
| NVNT      | n40  | 5795            | Ant1    | 35.088                | 0.5                         | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | 14.412                | 0.5                         | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | 13.668                | 0.5                         | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | 15.027                | 0.5                         | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | 35.094                | 0.5                         | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | 35.07                 | 0.5                         | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | 73.848                | 0.5                         | Pass    |

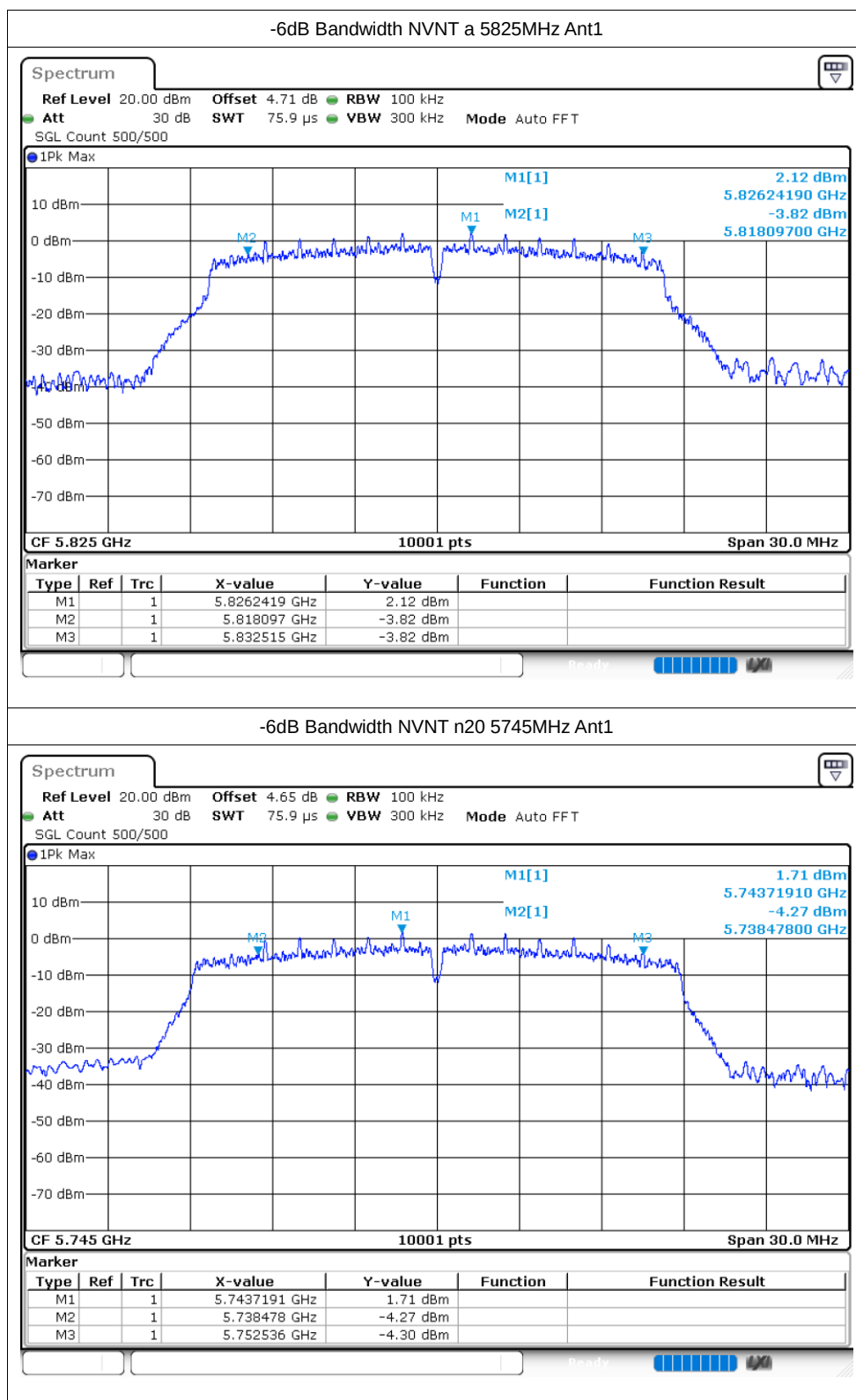
## Test Graphs

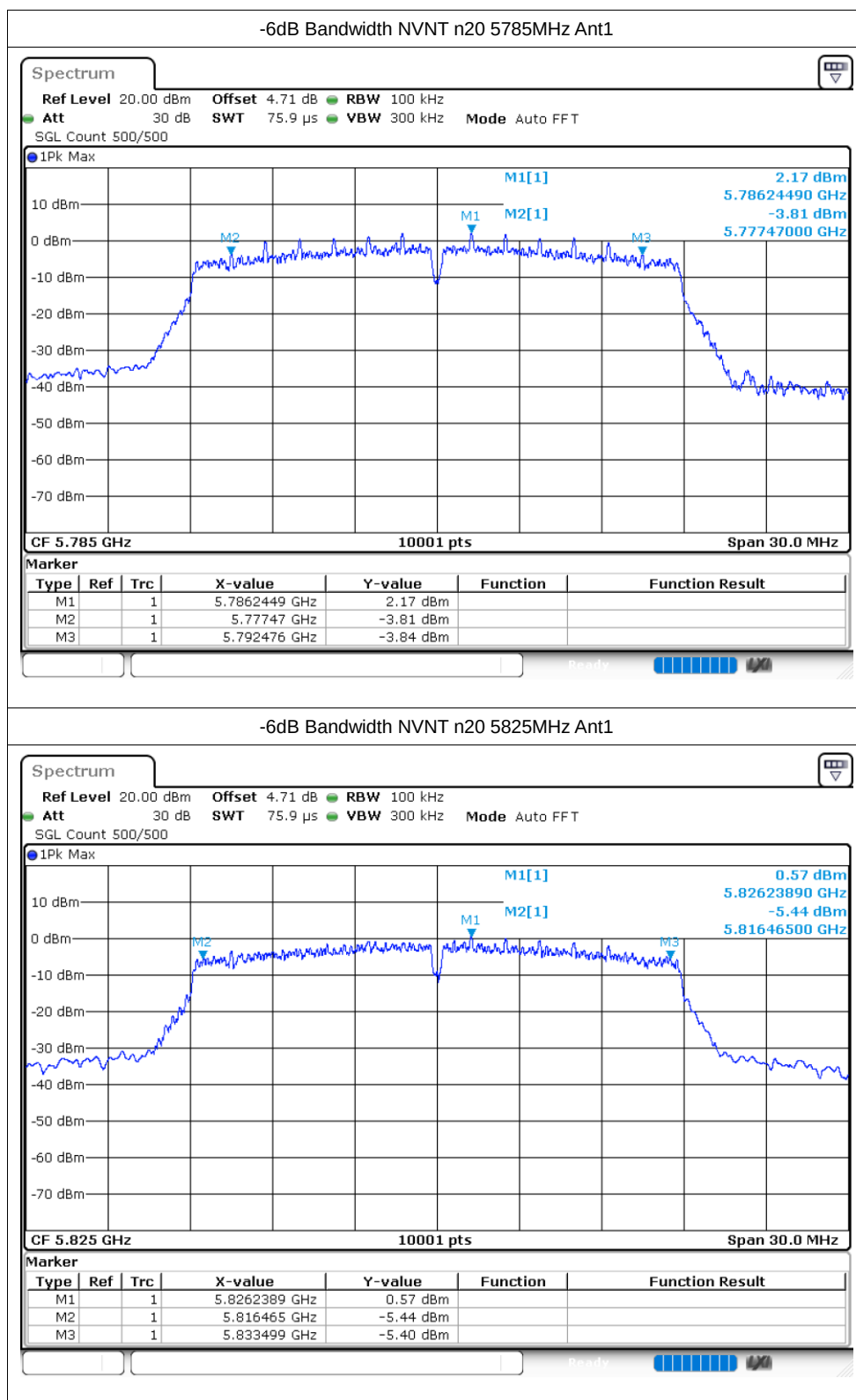
### -6dB Bandwidth NVNT a 5745MHz Ant1

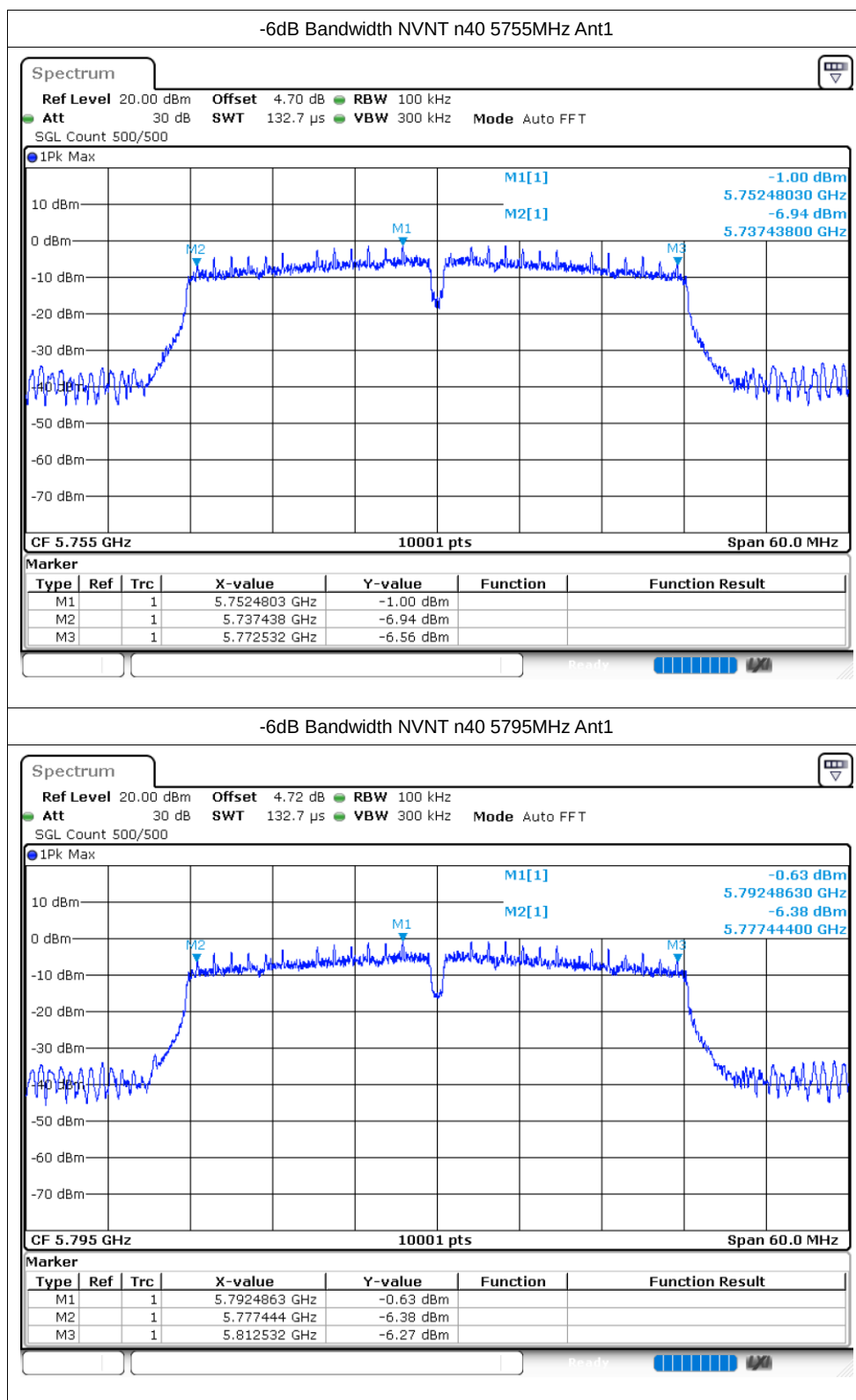


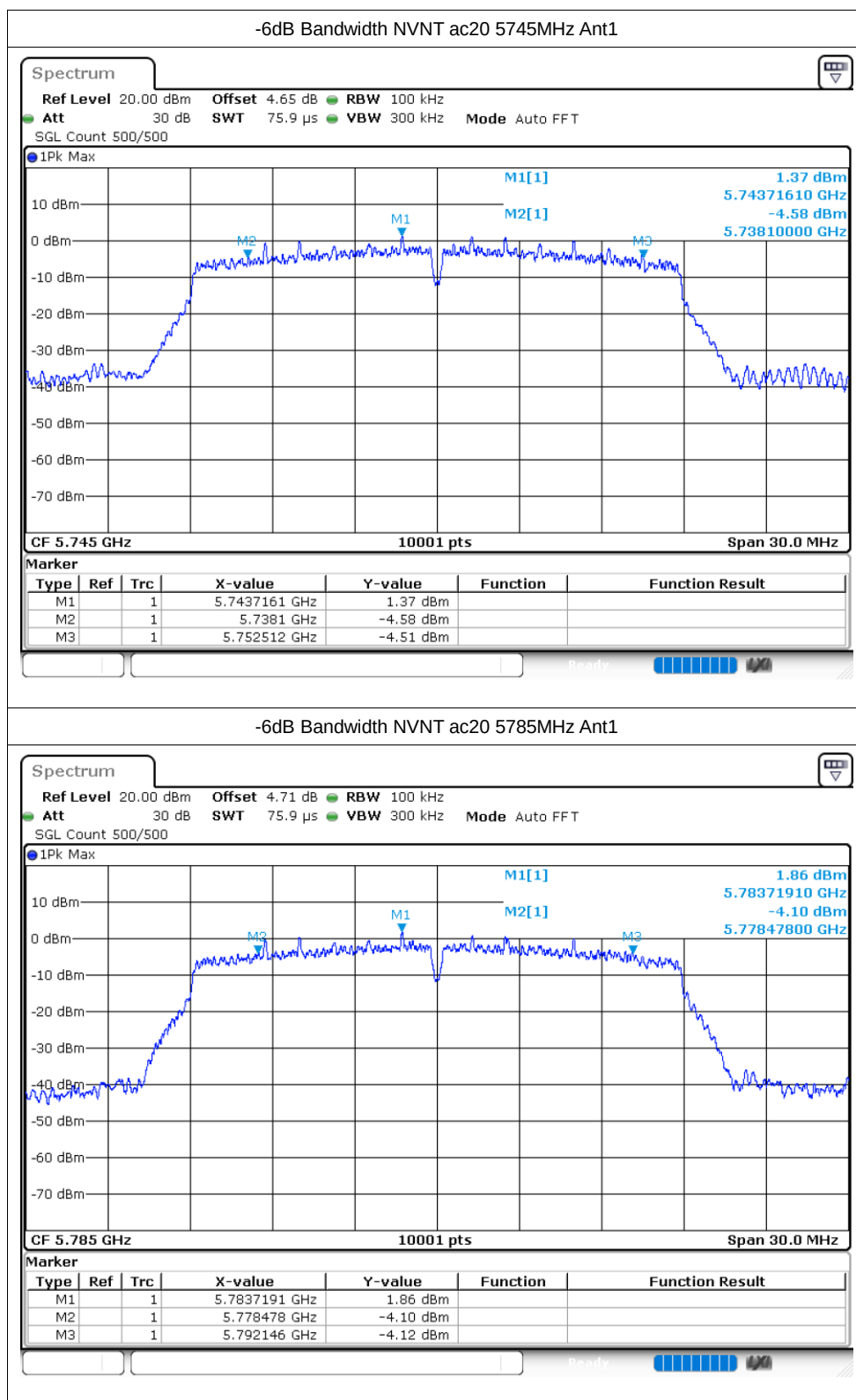
### -6dB Bandwidth NVNT a 5785MHz Ant1

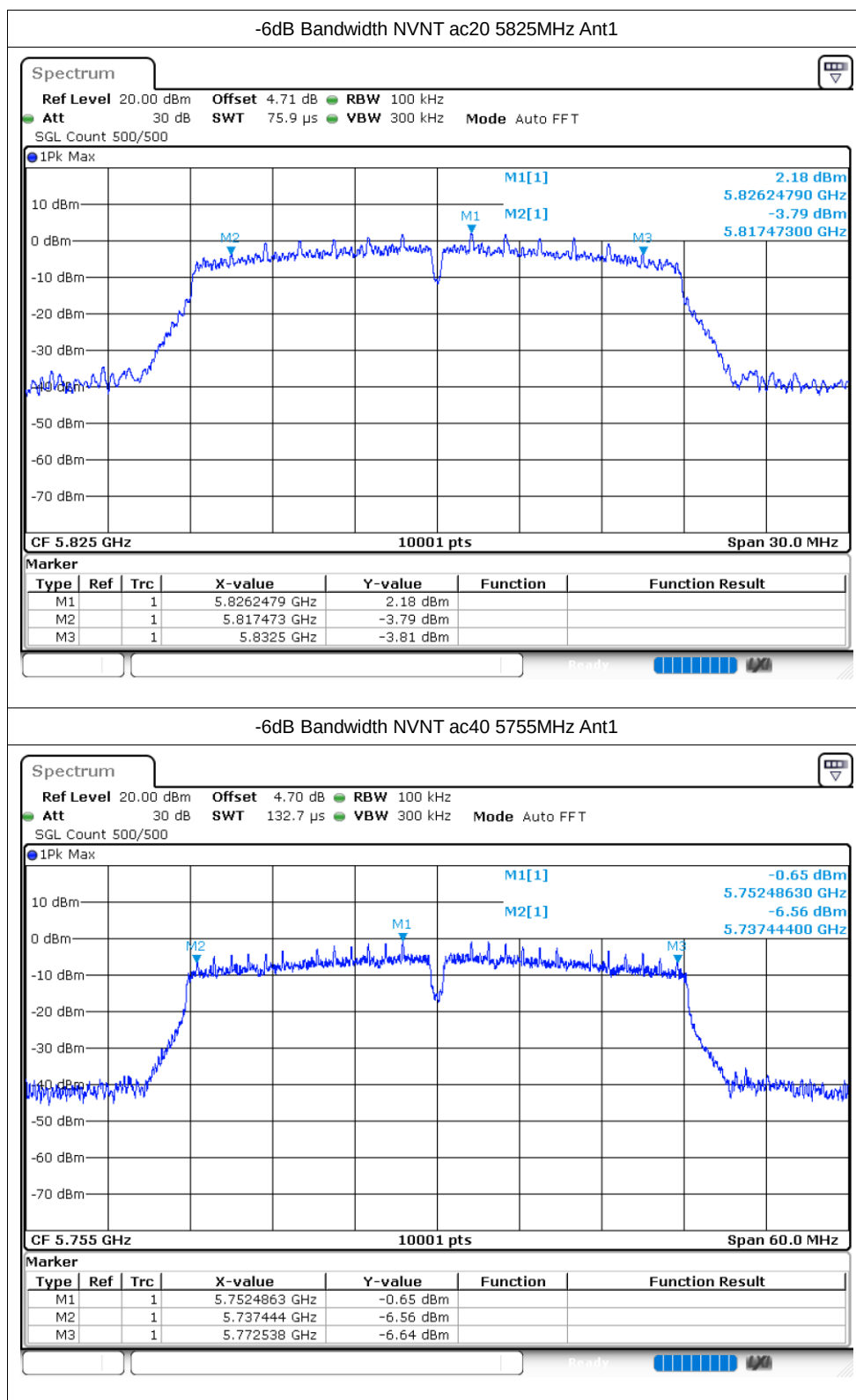


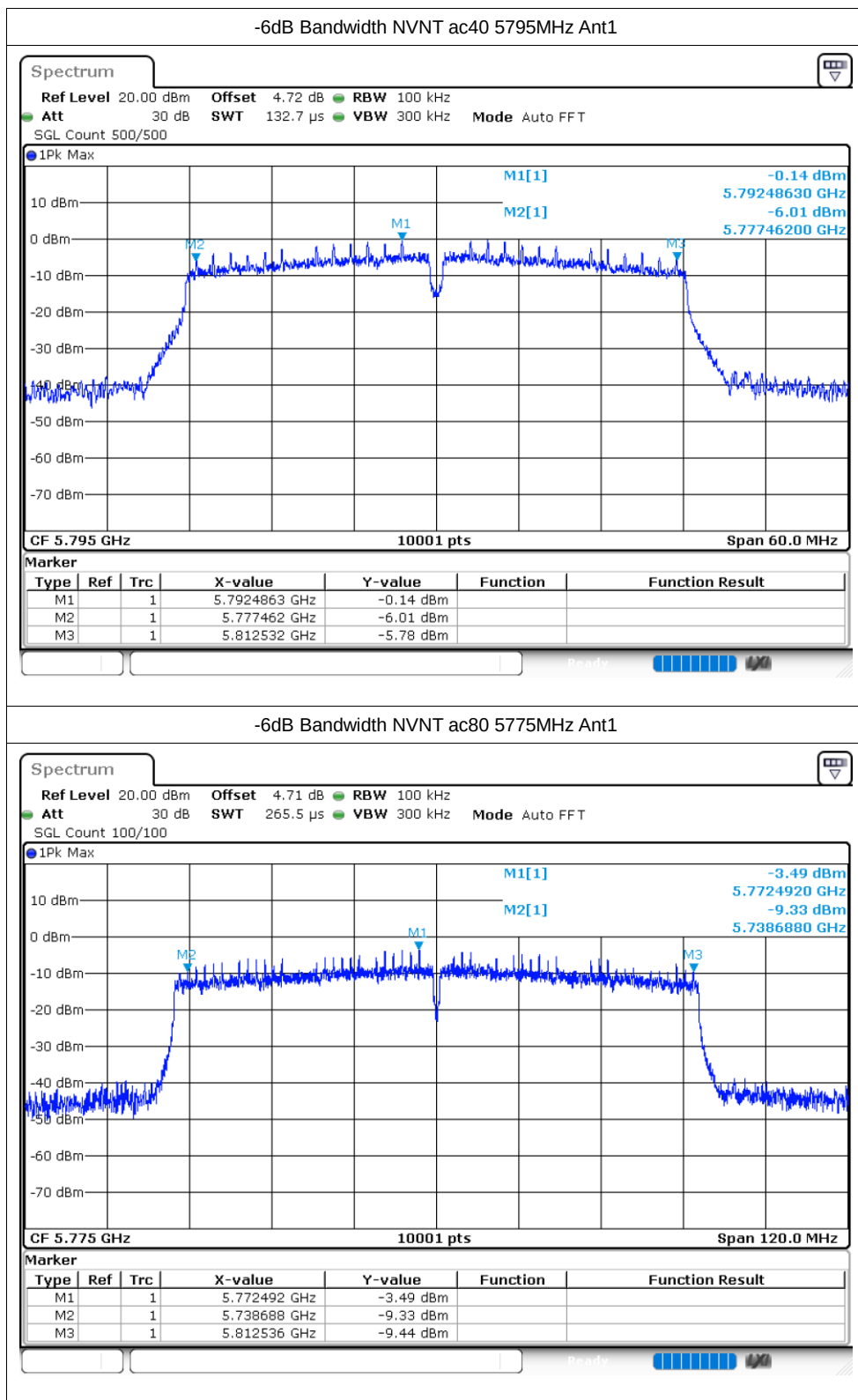










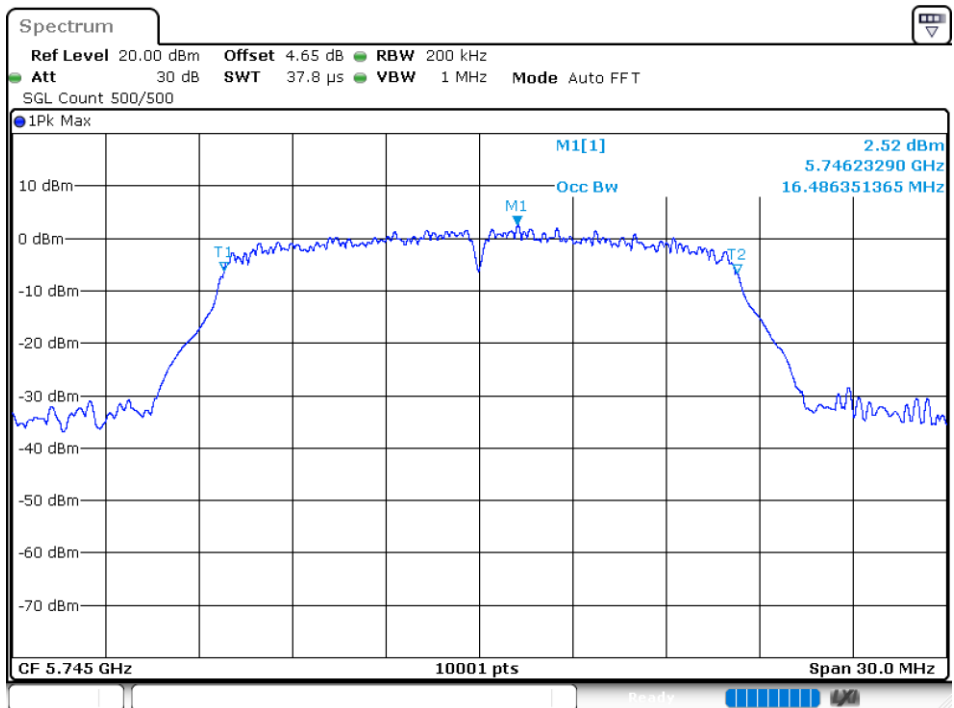


## Occupied Channel Bandwidth

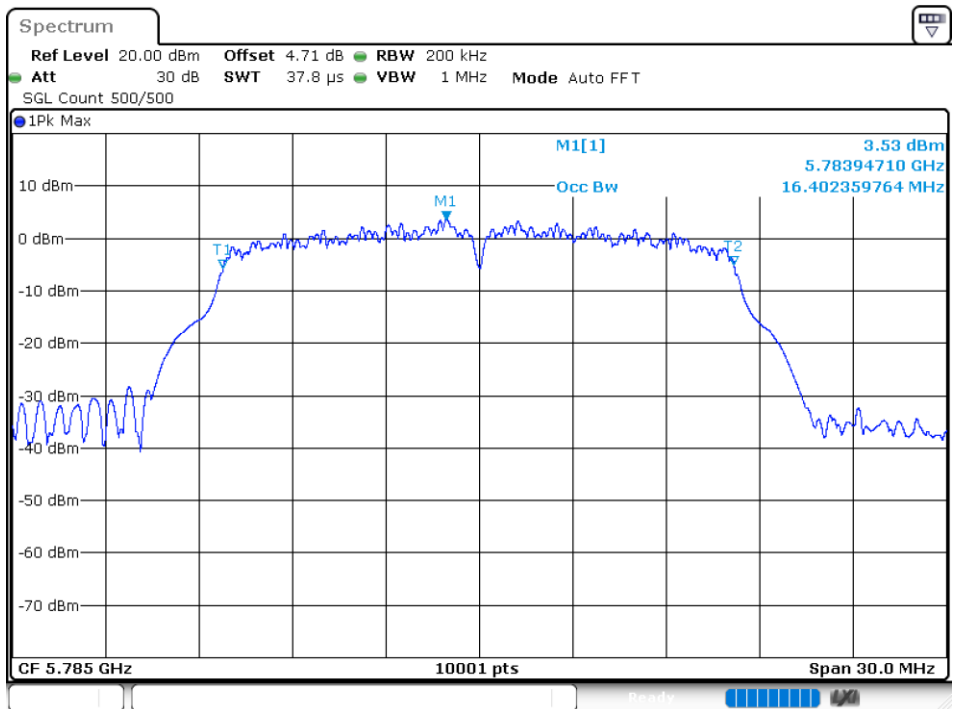
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | a    | 5745            | Ant1    | 16.486        |
| NVNT      | a    | 5785            | Ant1    | 16.402        |
| NVNT      | a    | 5825            | Ant1    | 16.45         |
| NVNT      | n20  | 5745            | Ant1    | 17.557        |
| NVNT      | n20  | 5785            | Ant1    | 17.545        |
| NVNT      | n20  | 5825            | Ant1    | 17.554        |
| NVNT      | n40  | 5755            | Ant1    | 36.128        |
| NVNT      | n40  | 5795            | Ant1    | 36.14         |
| NVNT      | ac20 | 5745            | Ant1    | 17.596        |
| NVNT      | ac20 | 5785            | Ant1    | 17.554        |
| NVNT      | ac20 | 5825            | Ant1    | 17.575        |
| NVNT      | ac40 | 5755            | Ant1    | 36.092        |
| NVNT      | ac40 | 5795            | Ant1    | 36.08         |
| NVNT      | ac80 | 5775            | Ant1    | 75.232        |

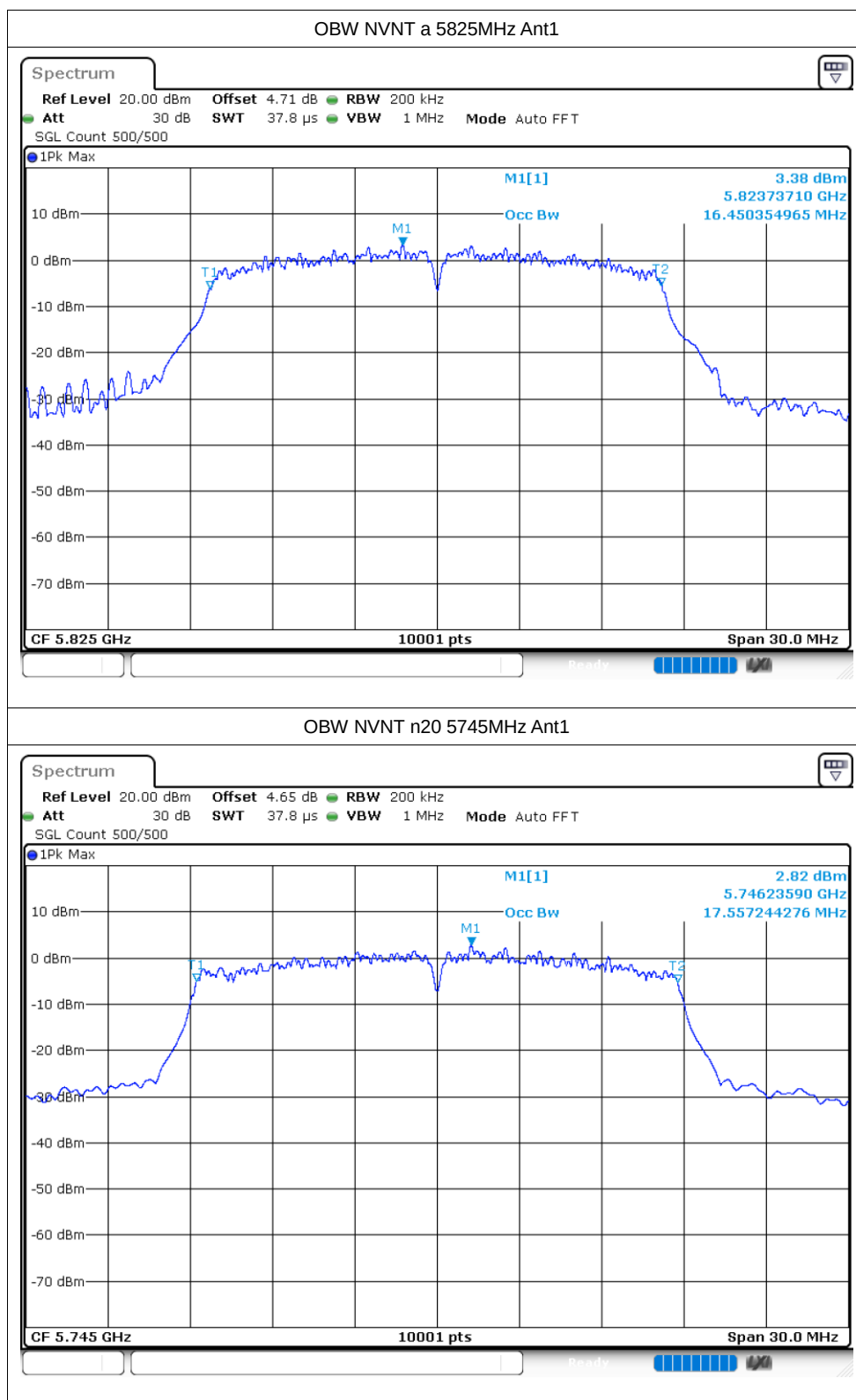
# Test Graphs

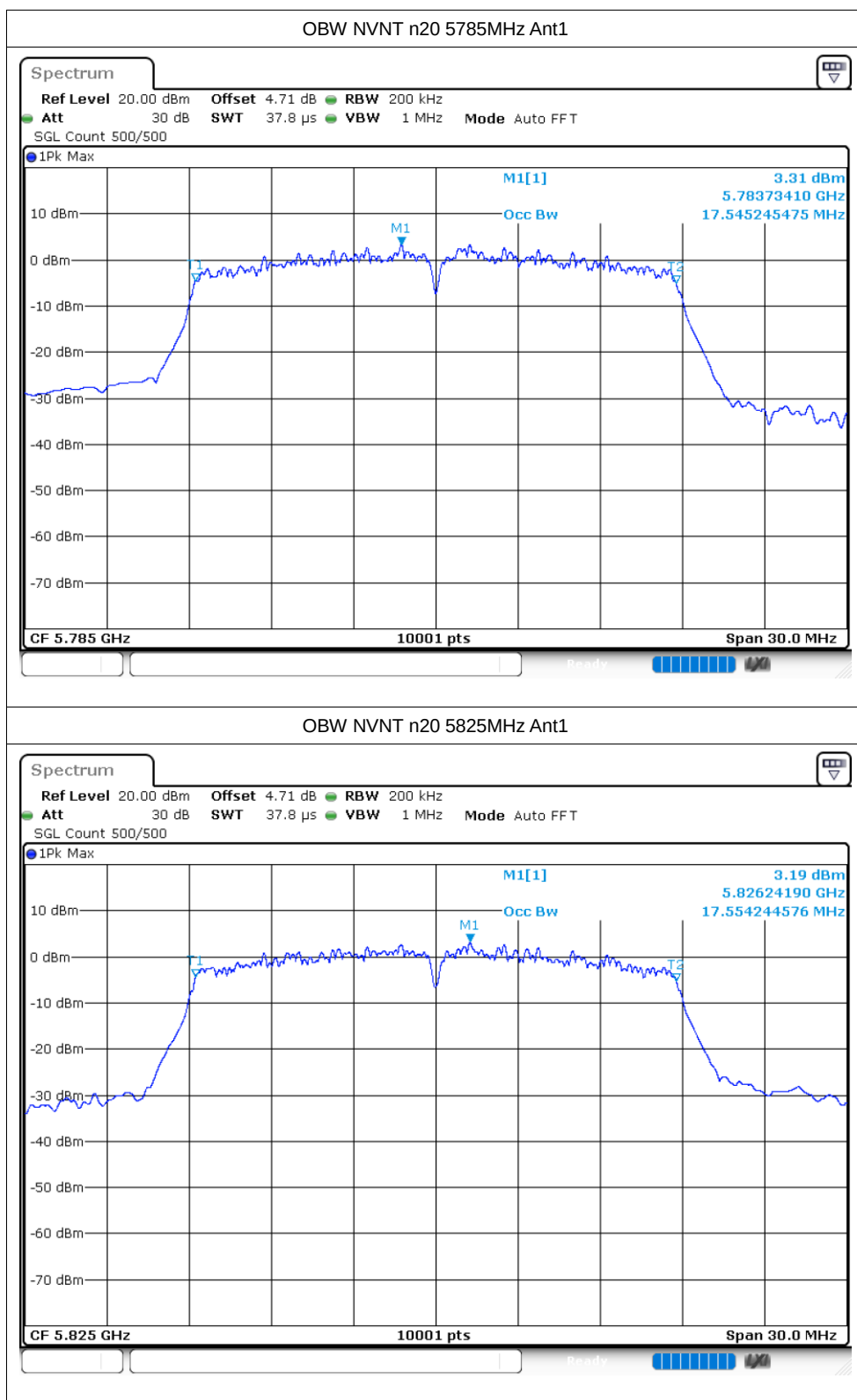
## OBW NVNT a 5745MHz Ant1

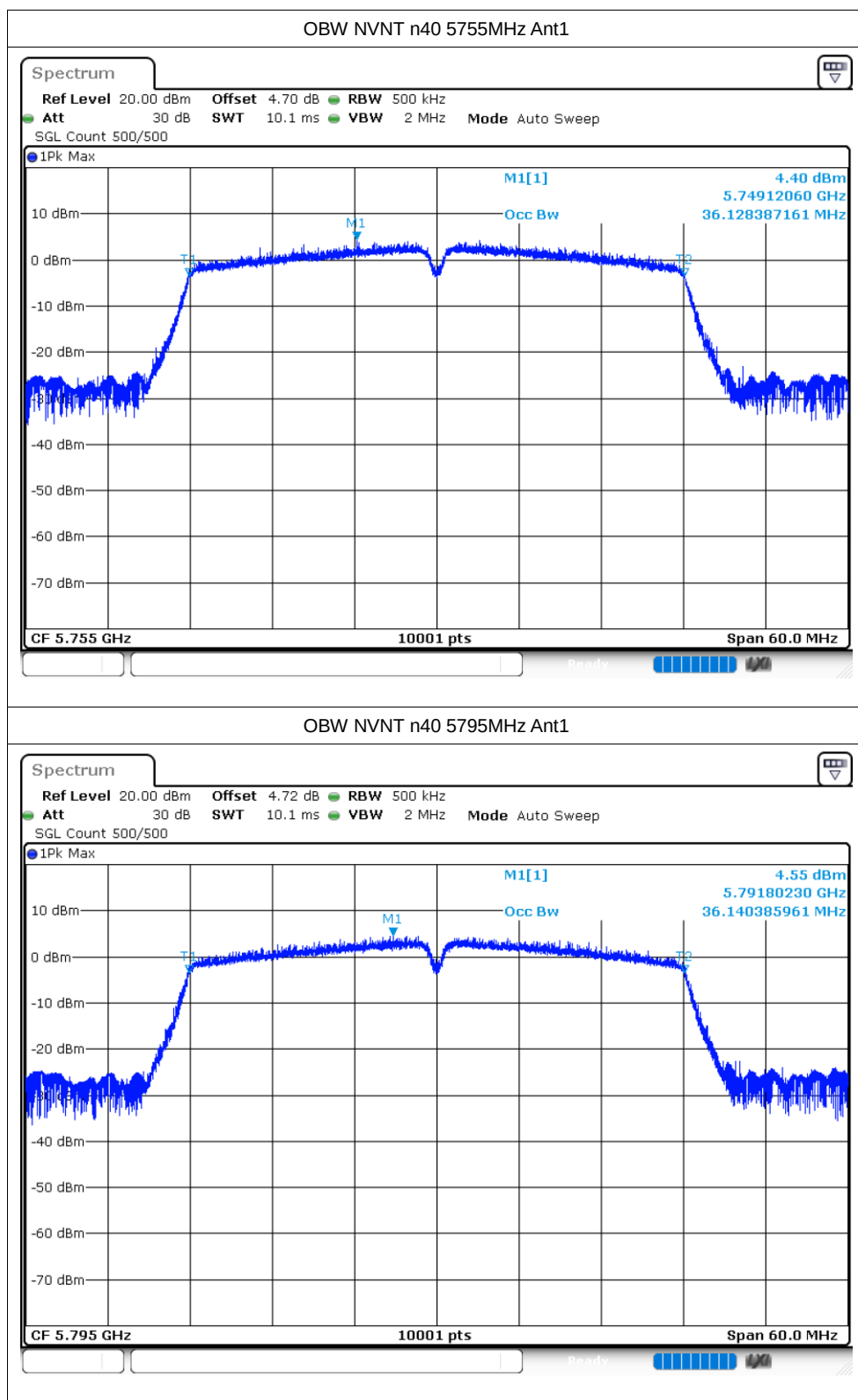


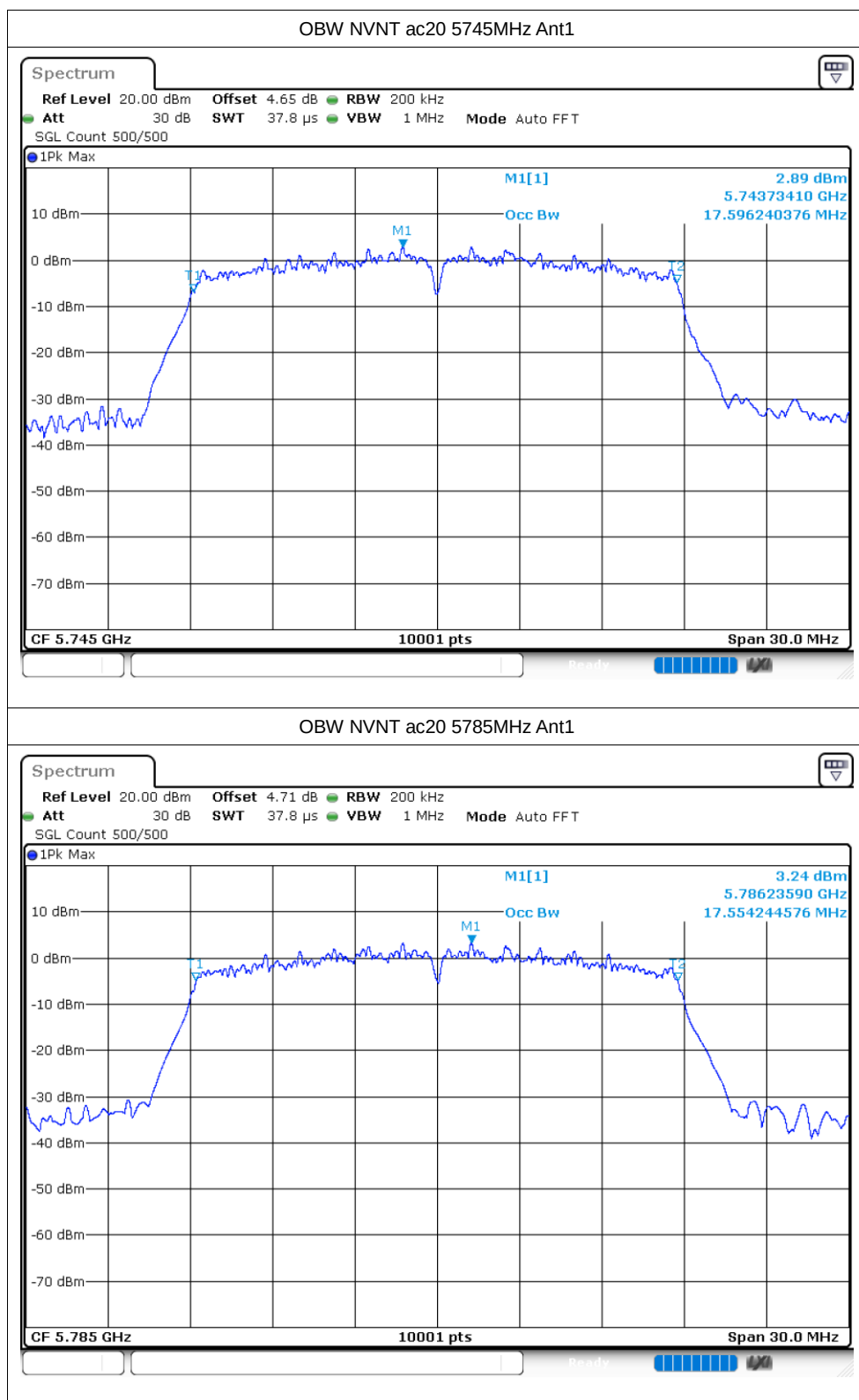
## OBW NVNT a 5785MHz Ant1

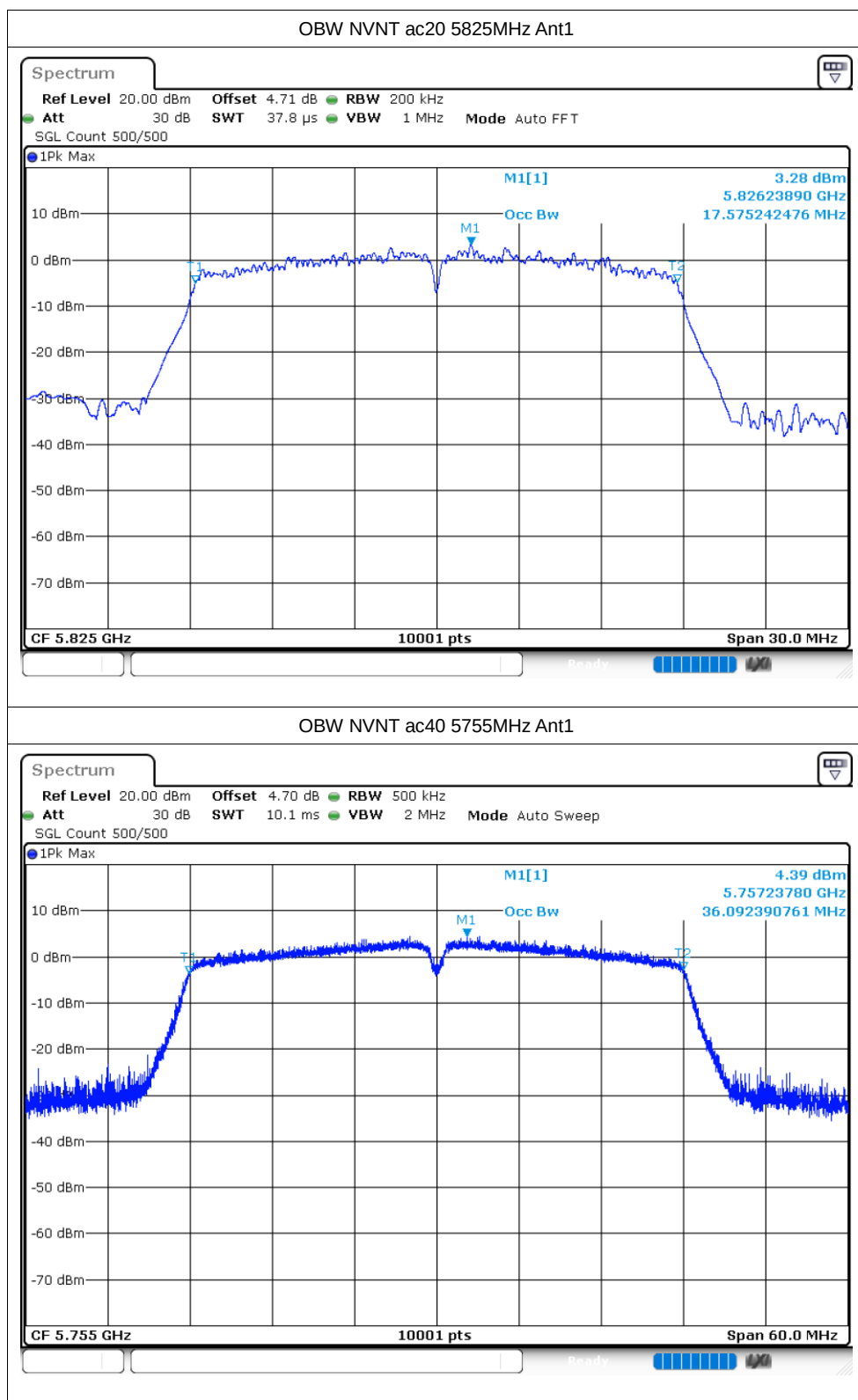


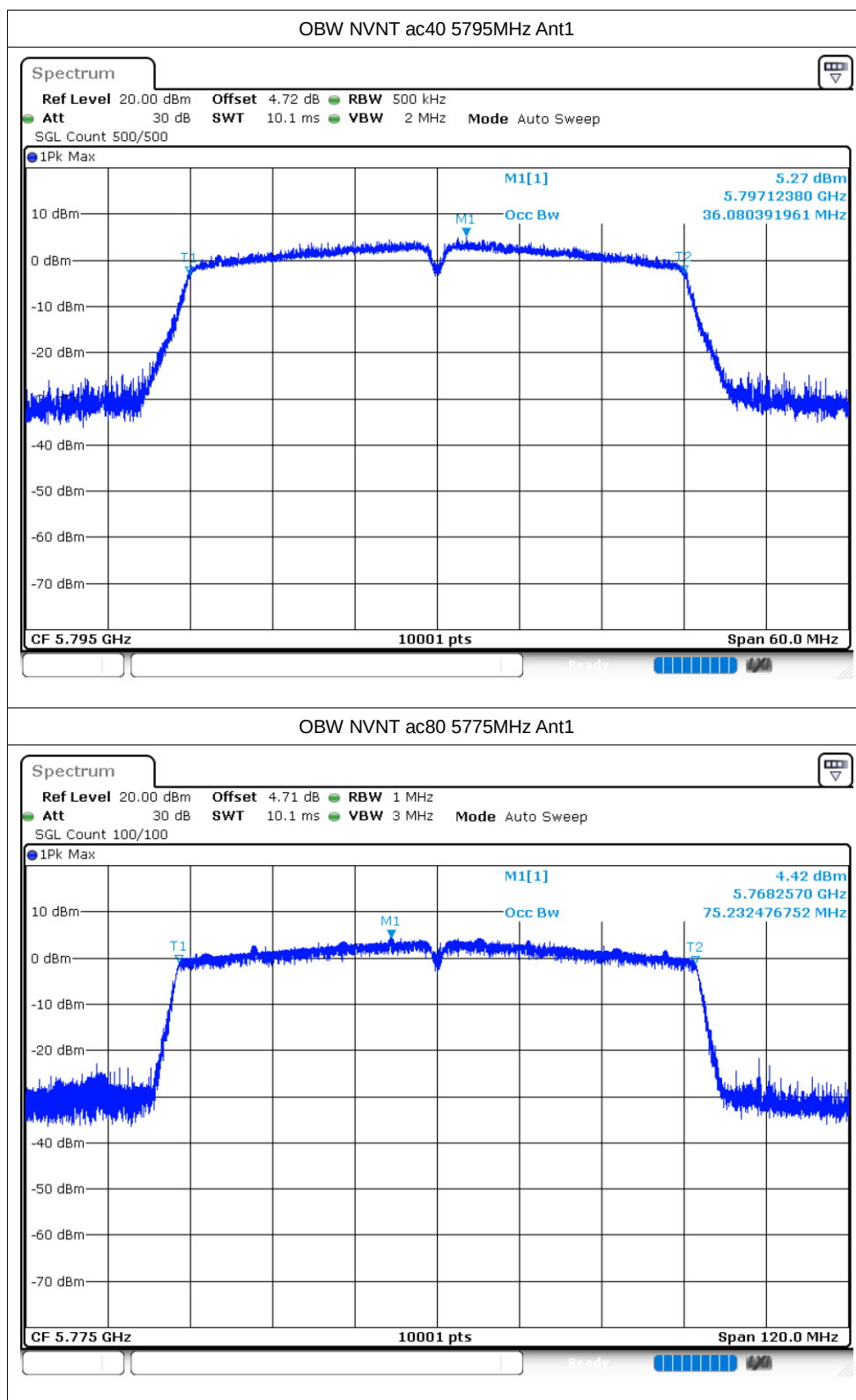










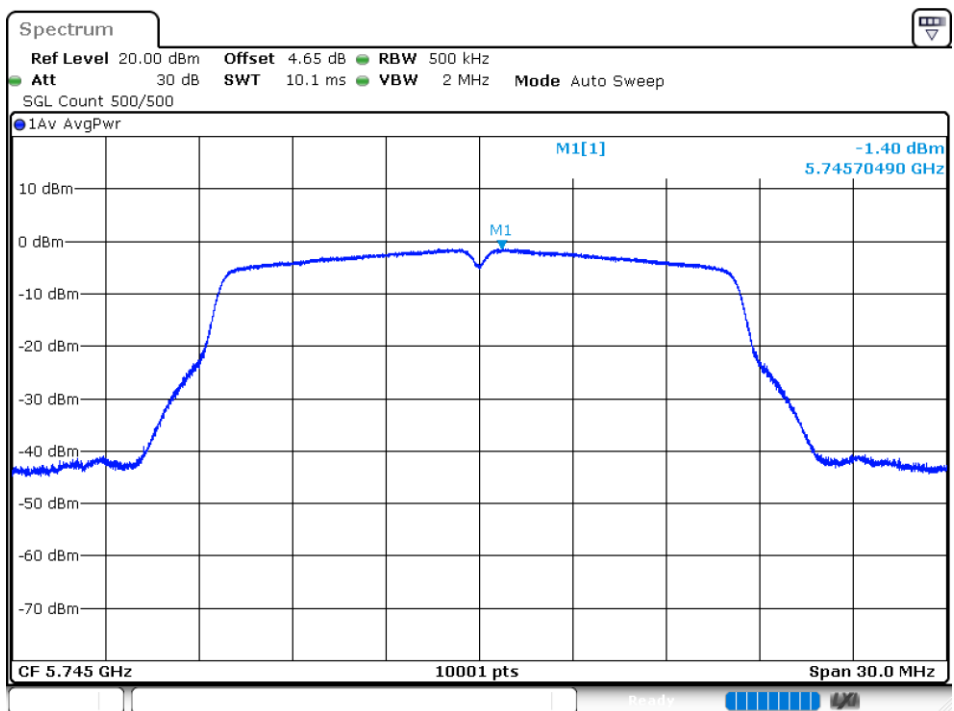


## Maximum Power Spectral Density Level

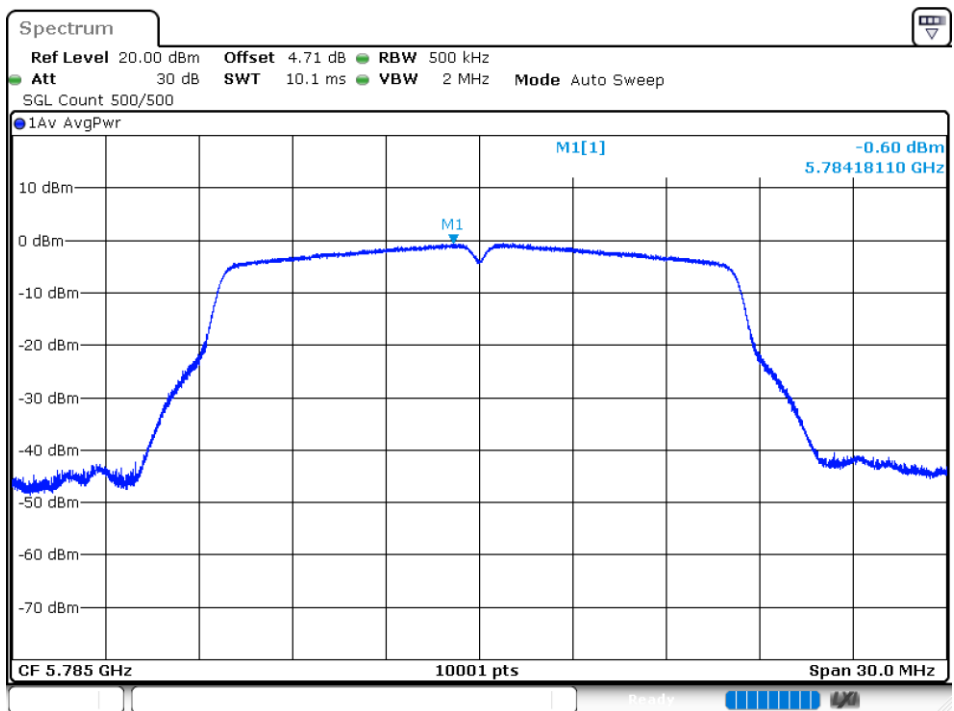
| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Duty Factor (dB) | Total PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------------|------------------|-----------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | -1.4                | 0.1              | -1.3            | 30          | Pass    |
| NVNT      | a    | 5785            | Ant1    | -0.6                | 0.11             | -0.49           | 30          | Pass    |
| NVNT      | a    | 5825            | Ant1    | -0.63               | 0.1              | -0.53           | 30          | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -1.61               | 0.11             | -1.5            | 30          | Pass    |
| NVNT      | n20  | 5785            | Ant1    | -1.07               | 0.11             | -0.96           | 30          | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -1                  | 0.11             | -0.89           | 30          | Pass    |
| NVNT      | n40  | 5755            | Ant1    | -4.56               | 0.22             | -4.34           | 30          | Pass    |
| NVNT      | n40  | 5795            | Ant1    | -3.89               | 0.22             | -3.67           | 30          | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -1.5                | 0.11             | -1.39           | 30          | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | -0.96               | 0.11             | -0.85           | 30          | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -1.05               | 0.11             | -0.94           | 30          | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | -4.37               | 0.22             | -4.15           | 30          | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | -3.91               | 0.22             | -3.69           | 30          | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | -7.21               | 0.42             | -6.79           | 30          | Pass    |

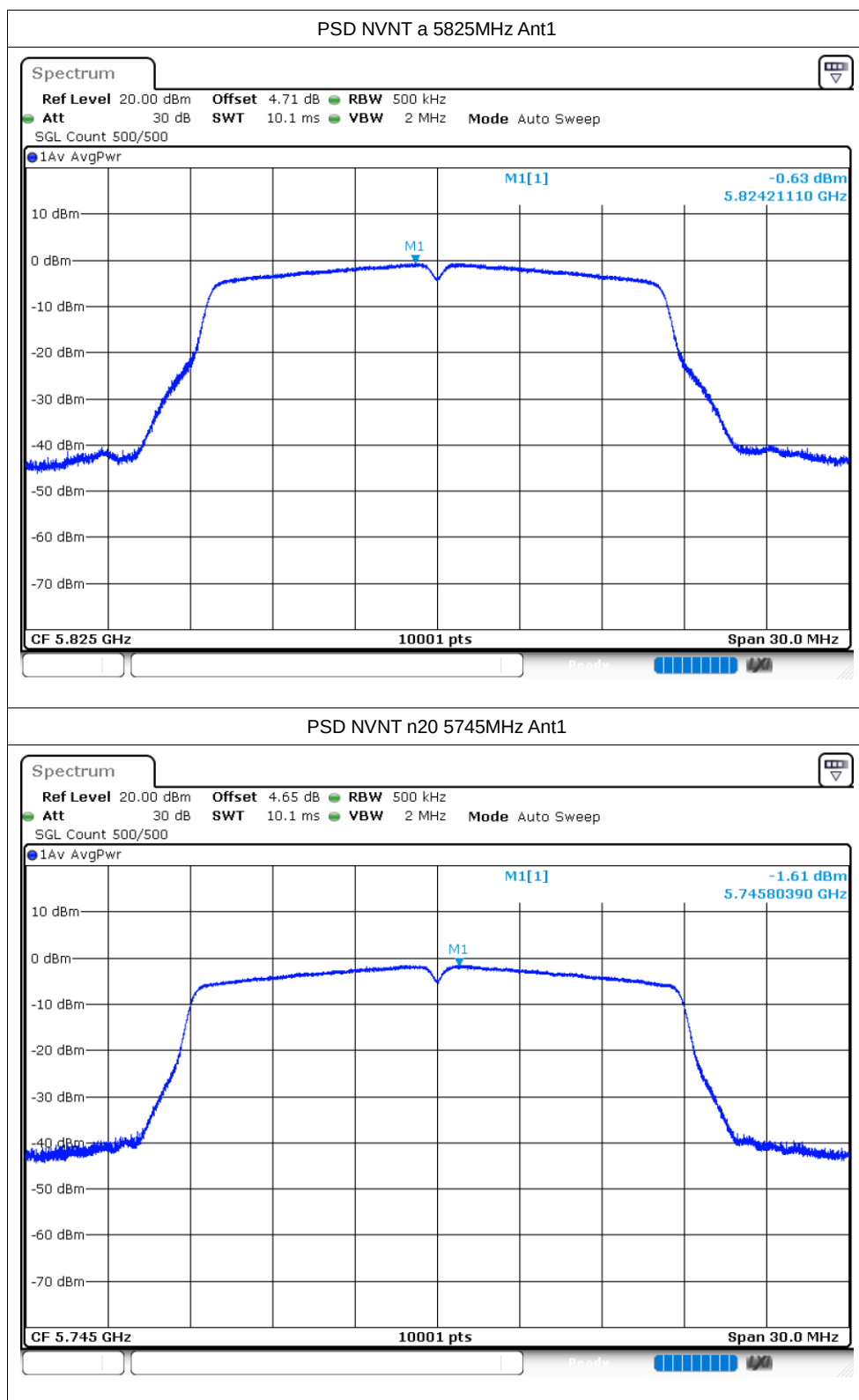
# Test Graphs

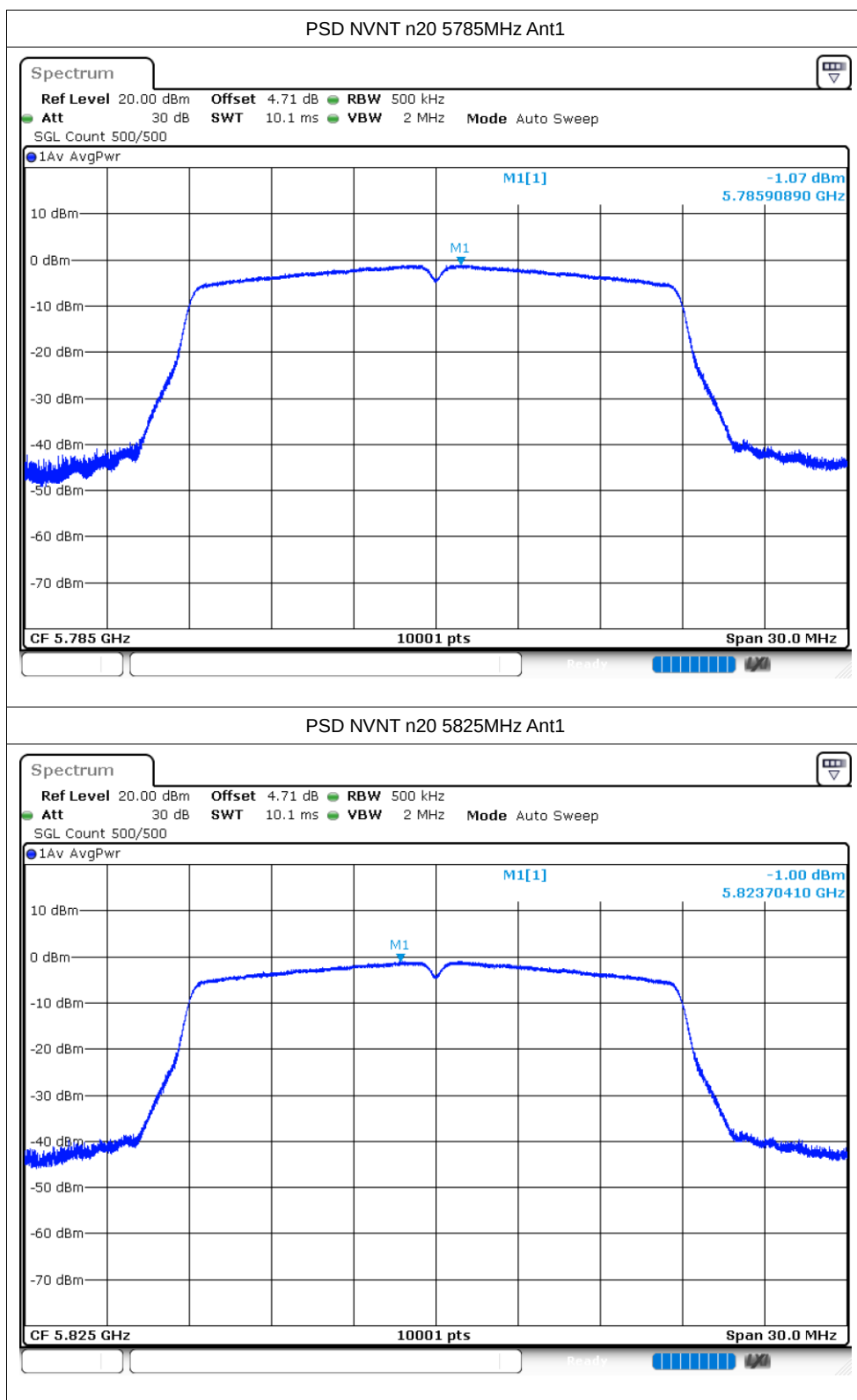
## PSD NVNT a 5745MHz Ant1

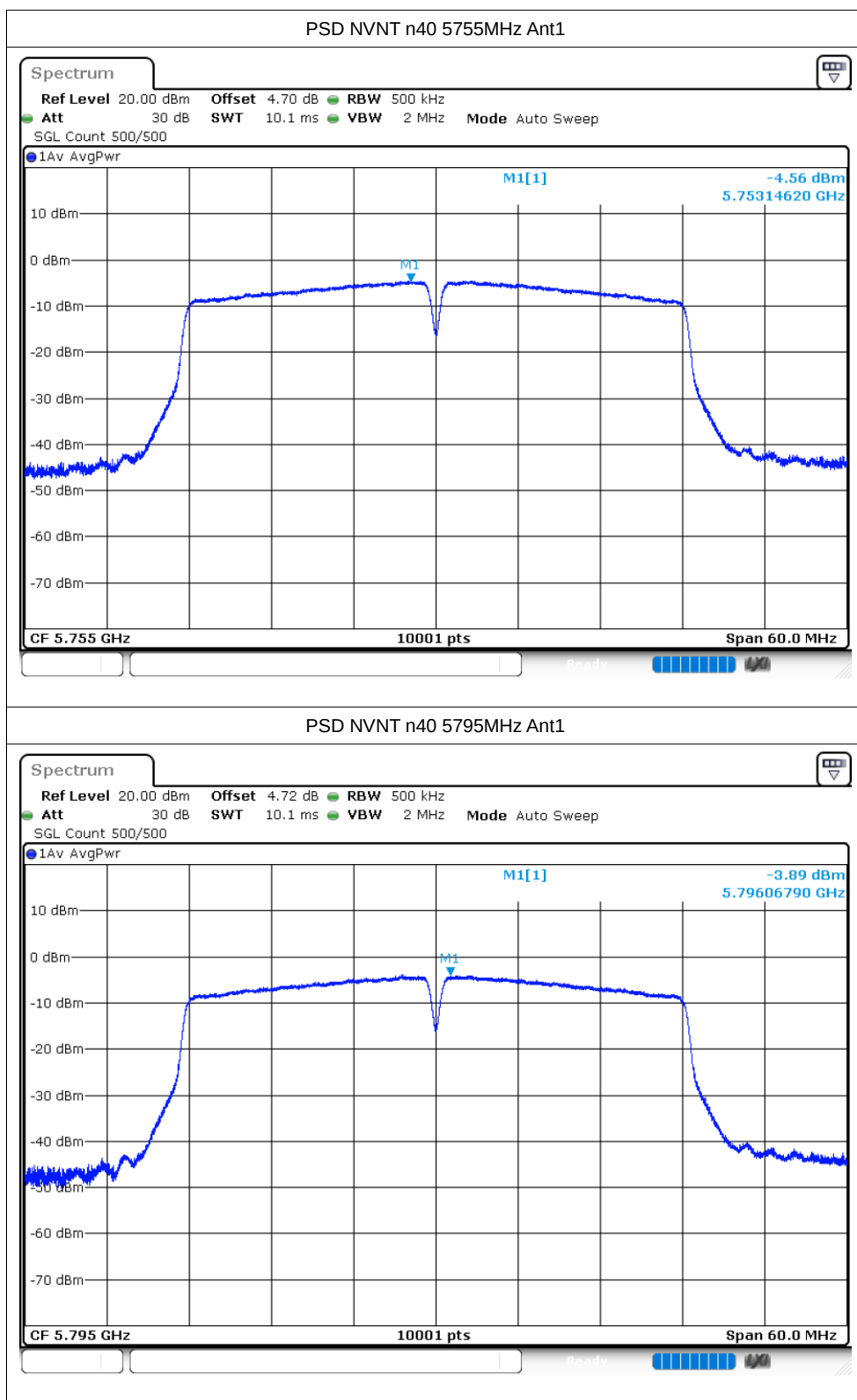


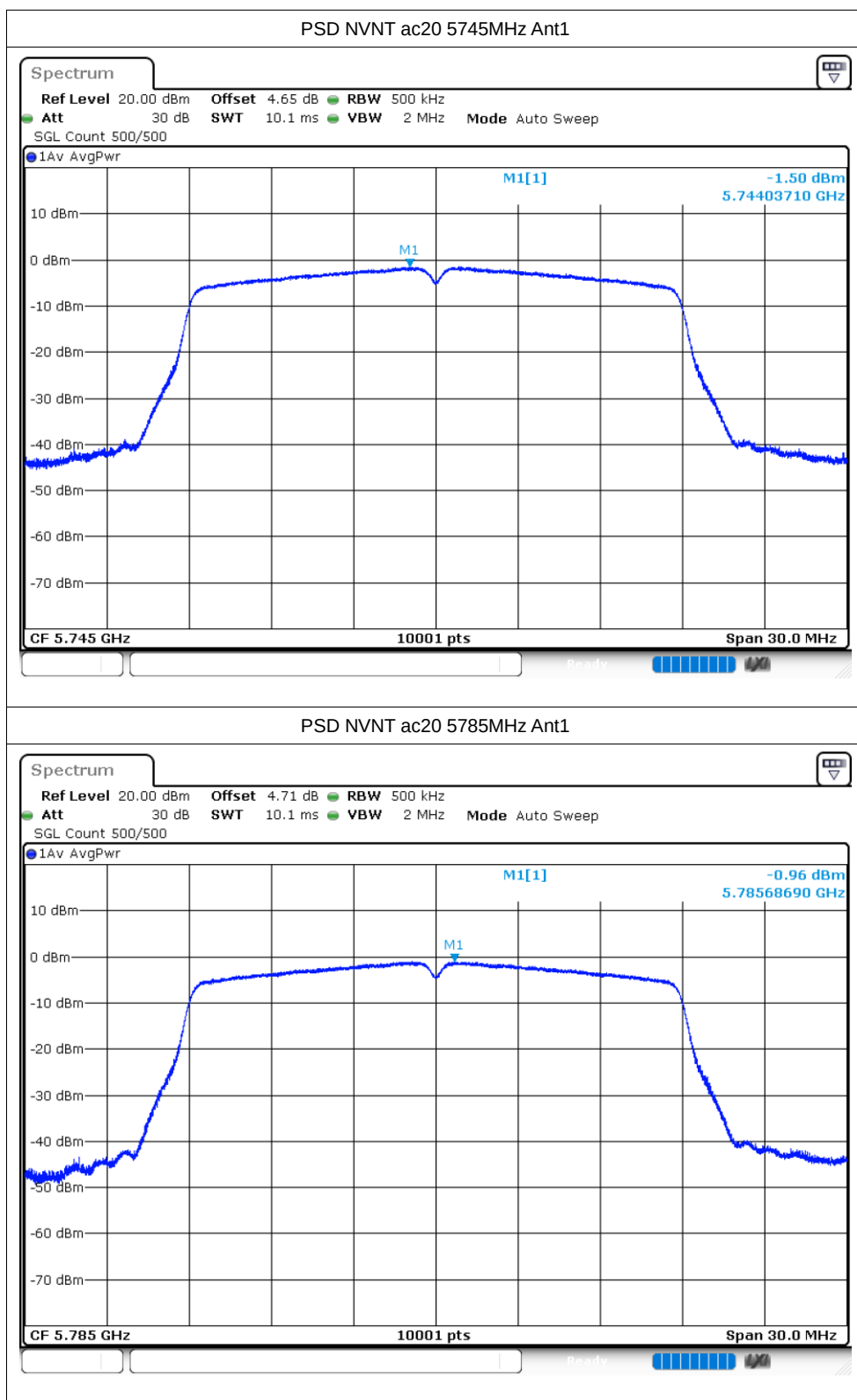
## PSD NVNT a 5785MHz Ant1

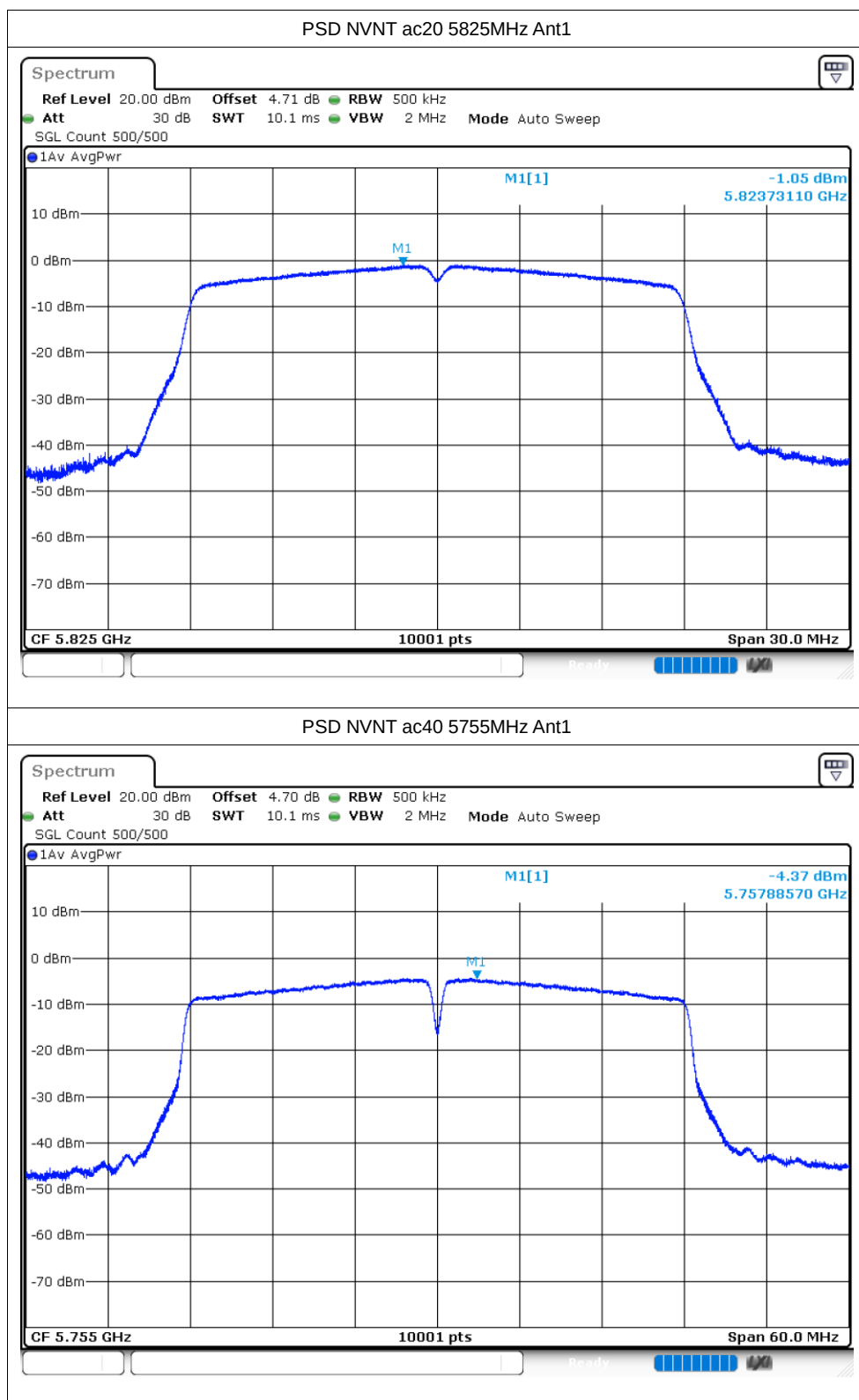


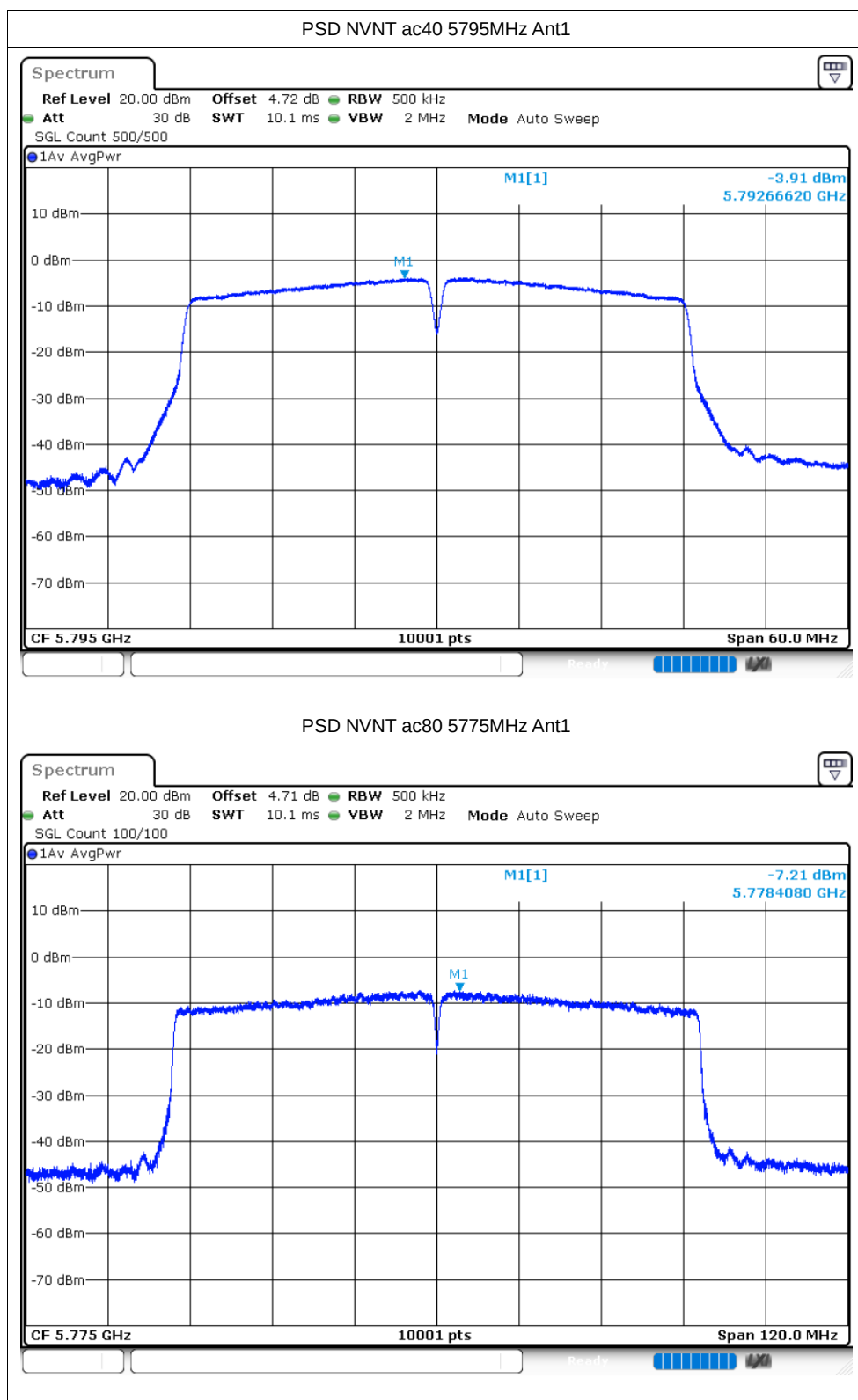










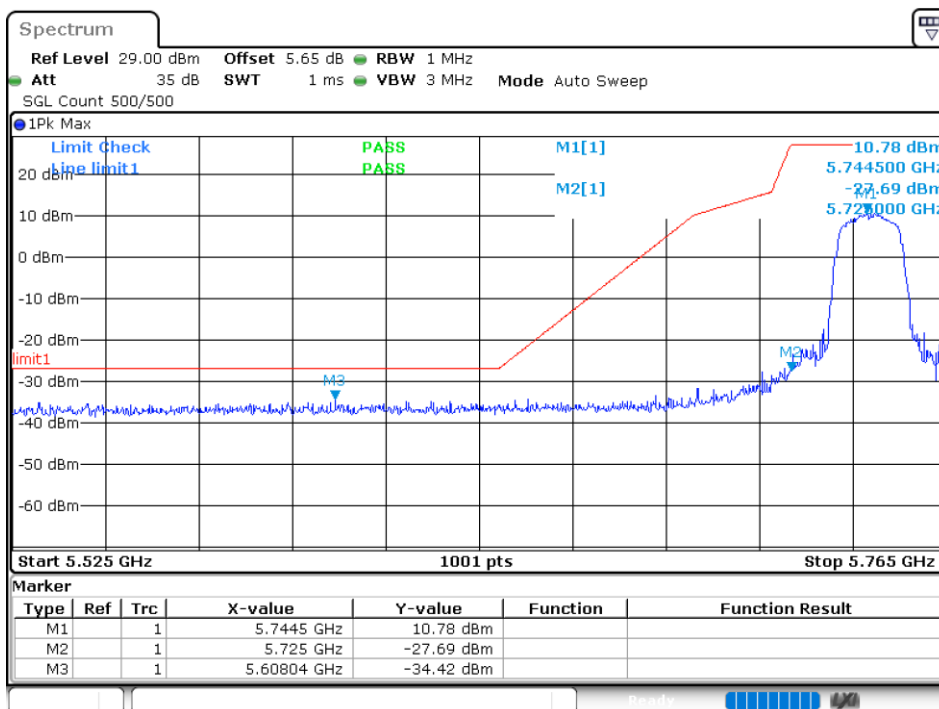


## Band Edge

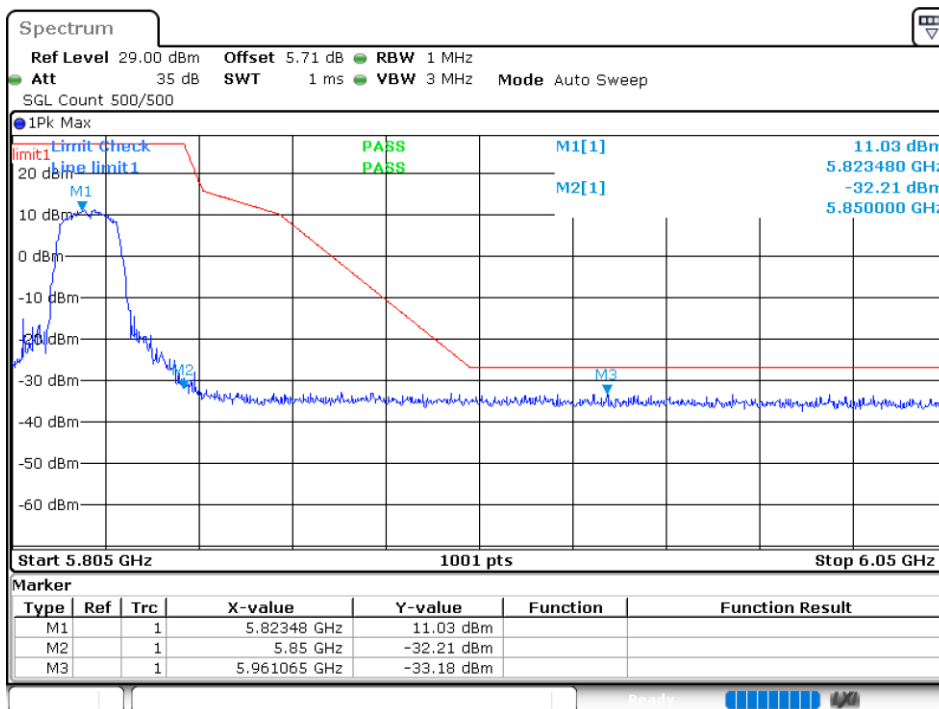
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | a    | 5745            | Ant1    | -34.42          | -27         | Pass    |
| NVNT      | a    | 5825            | Ant1    | -33.18          | -27         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -34.76          | -27         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -32.5           | -27         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | -34.11          | -27         | Pass    |
| NVNT      | n40  | 5795            | Ant1    | -33.18          | -27         | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -34.81          | -27         | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -33.25          | -27         | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | -34.55          | -27         | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | -32.93          | -27         | Pass    |
| NVNT      | ac80 | 5755            | Ant1    | -32.77          | -27         | Pass    |
| NVNT      | ac80 | 5755            | Ant1    | -34.25          | -27         | Pass    |

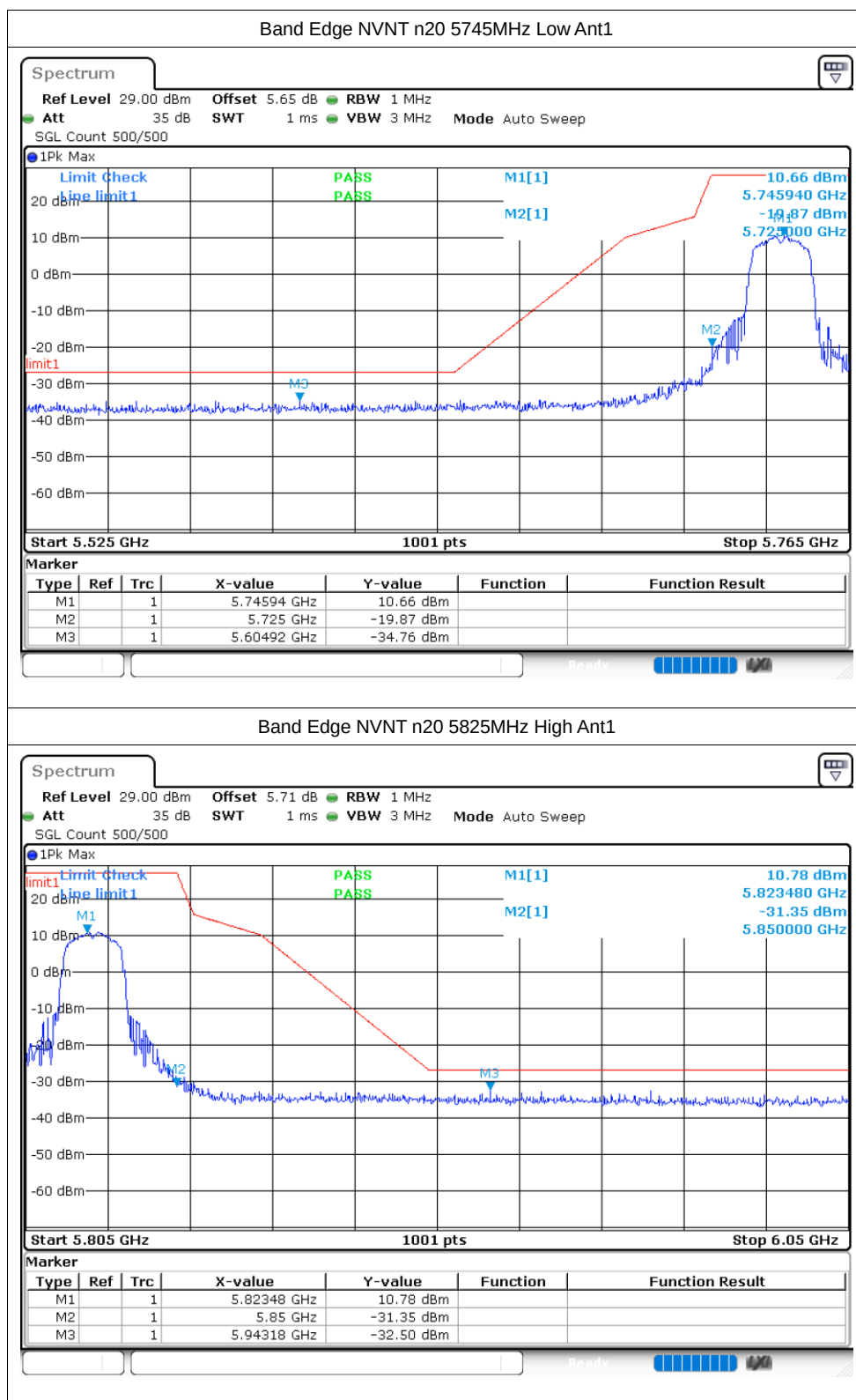
## Test Graphs

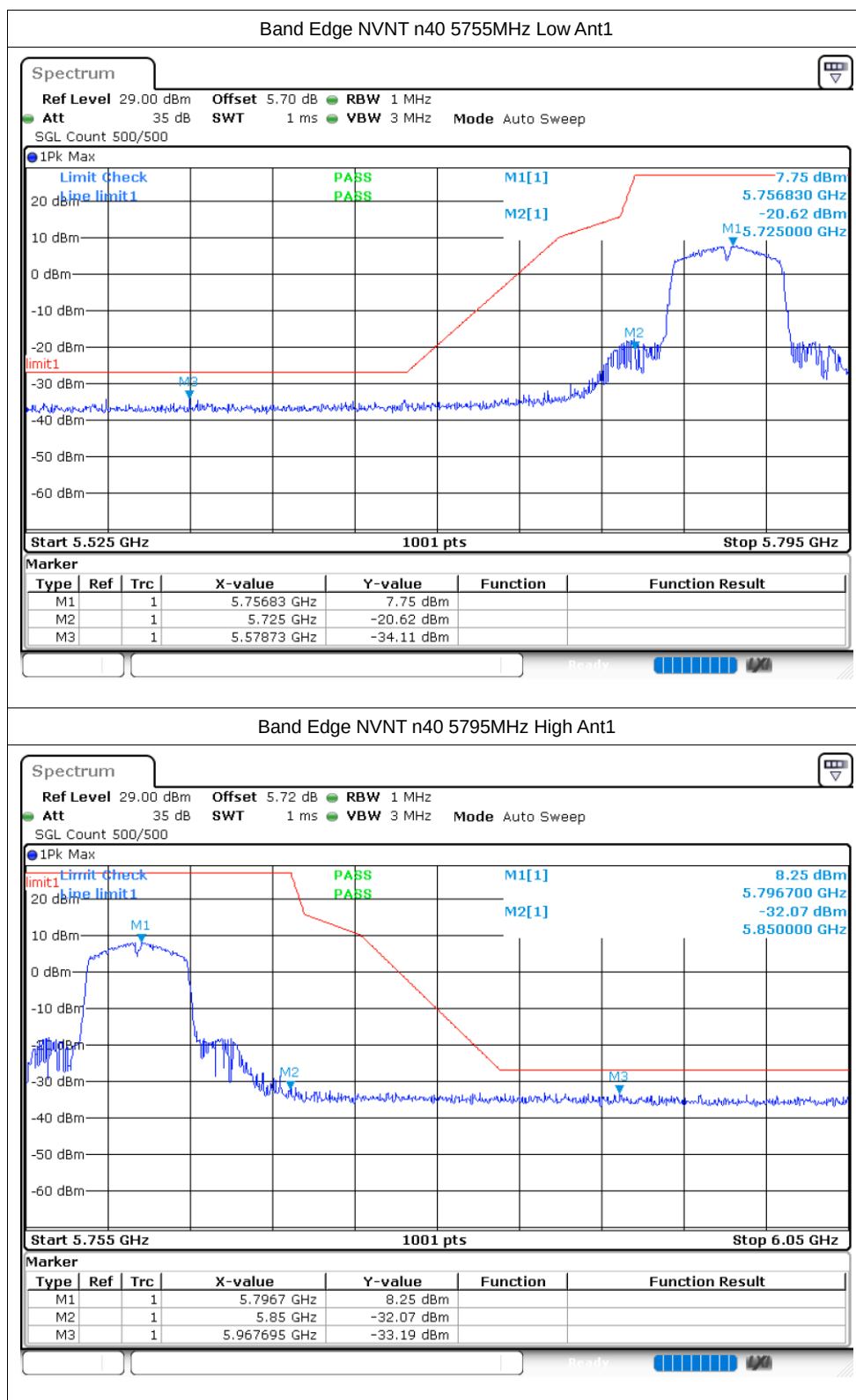
### Band Edge NVNT a 5745MHz Low Ant1

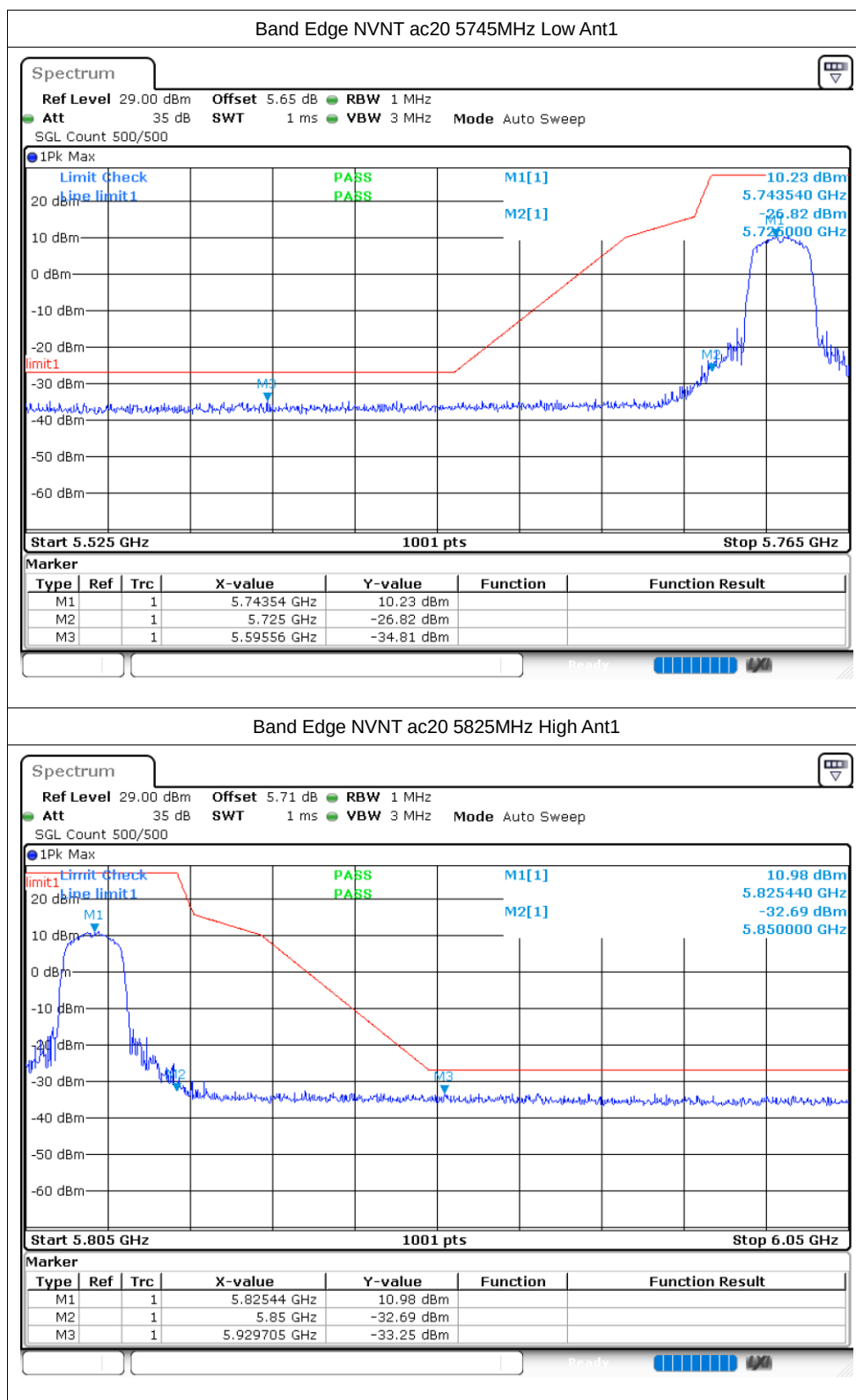


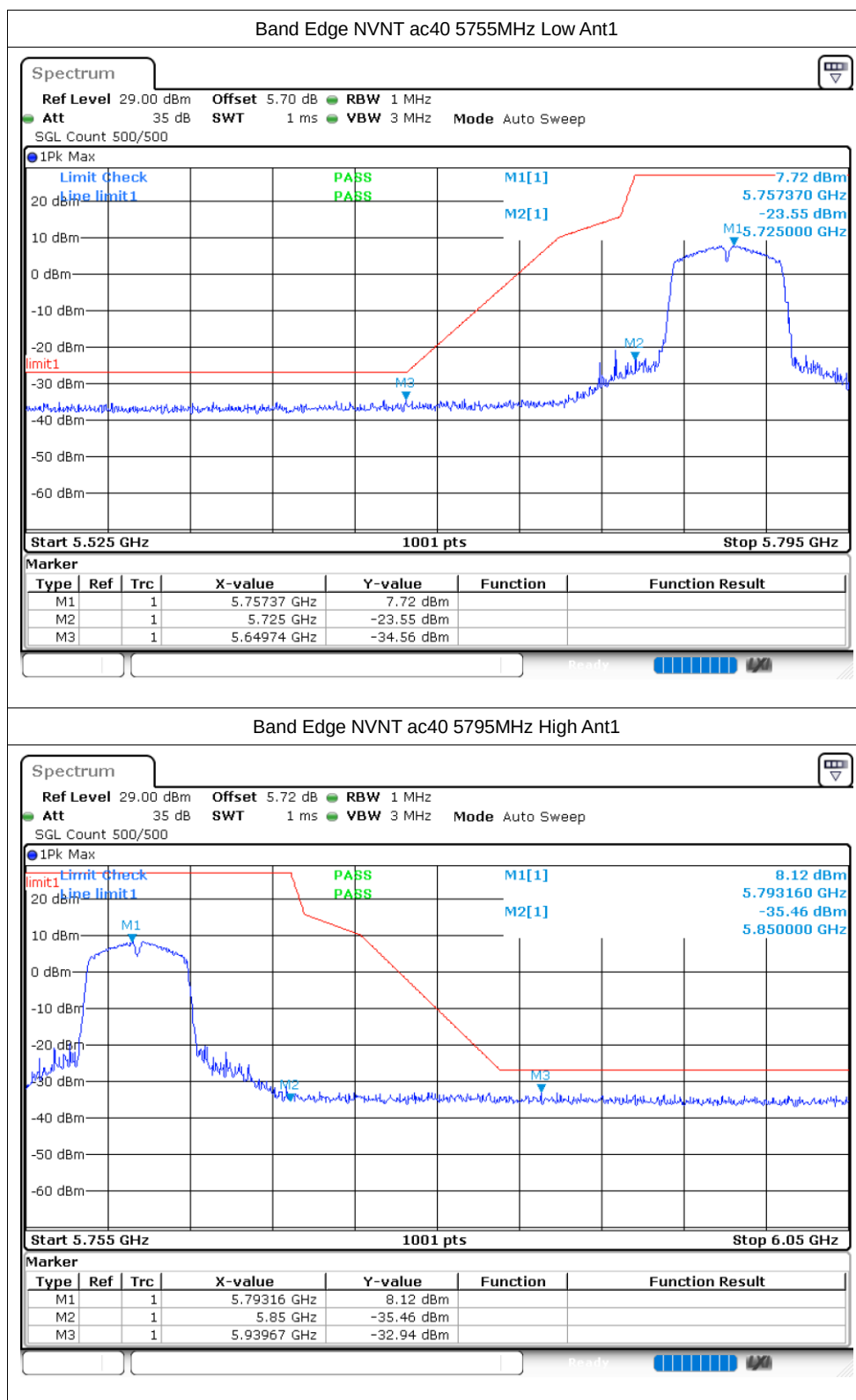
### Band Edge NVNT a 5825MHz High Ant1



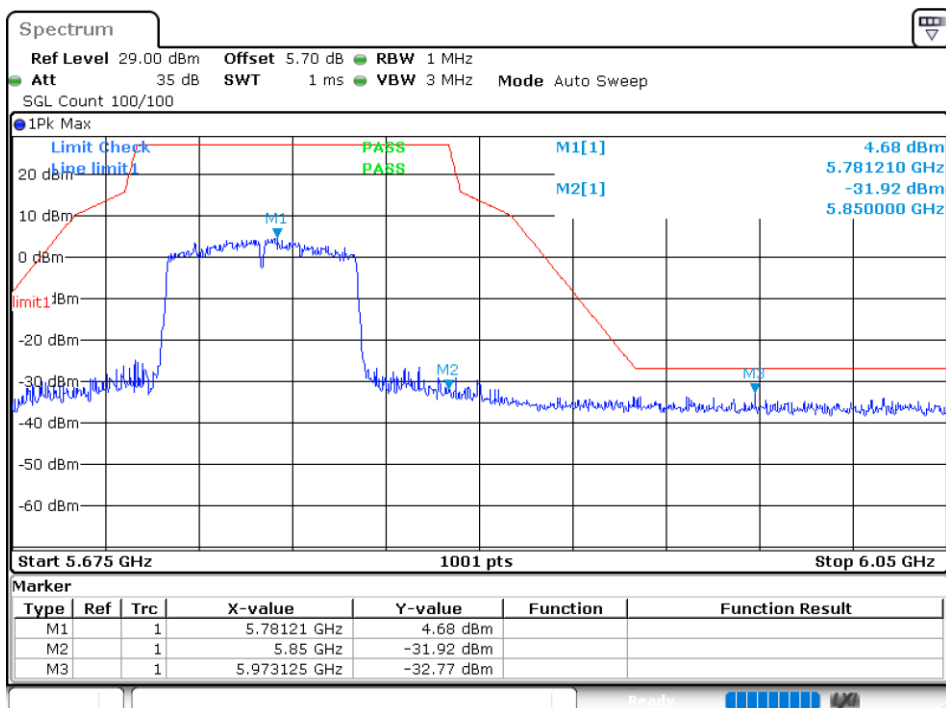




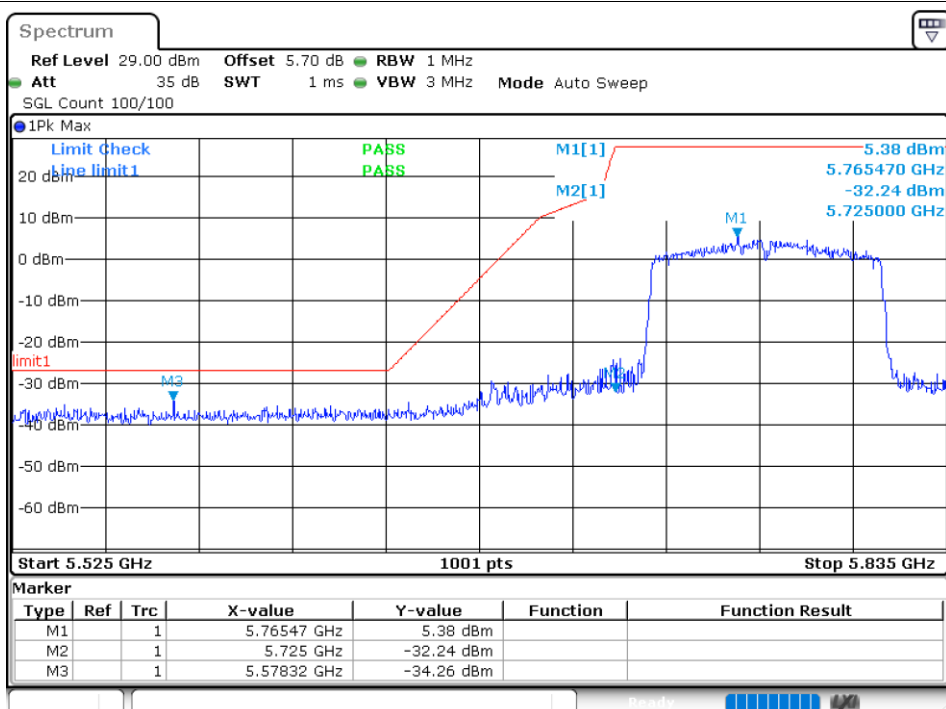




### Band Edge NVNT ac80 5755MHz High Ant1



### 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    | -34.92          | -27         | Pass    |
| NVNT      | a    | 5785            | Ant1    | -34.76          | -27         | Pass    |
| NVNT      | a    | 5825            | Ant1    | -35.24          | -27         | Pass    |
| NVNT      | n20  | 5745            | Ant1    | -35.38          | -27         | Pass    |
| NVNT      | n20  | 5785            | Ant1    | -34.44          | -27         | Pass    |
| NVNT      | n20  | 5825            | Ant1    | -34.96          | -27         | Pass    |
| NVNT      | n40  | 5755            | Ant1    | -34.72          | -27         | Pass    |
| NVNT      | n40  | 5795            | Ant1    | -34.25          | -27         | Pass    |
| NVNT      | ac20 | 5745            | Ant1    | -35.11          | -27         | Pass    |
| NVNT      | ac20 | 5785            | Ant1    | -35.66          | -27         | Pass    |
| NVNT      | ac20 | 5825            | Ant1    | -35.11          | -27         | Pass    |
| NVNT      | ac40 | 5755            | Ant1    | -35.27          | -27         | Pass    |
| NVNT      | ac40 | 5795            | Ant1    | -34.65          | -27         | Pass    |
| NVNT      | ac80 | 5775            | Ant1    | -35.4           | -27         | Pass    |

