



## Appendix E

### RF Test Data for 5.8GWIFI(Conducted Measurement)

Product Name: Carplay

Trade Mark: N/A

Test Model: G13-1

#### Environmental Conditions

|                    |             |
|--------------------|-------------|
| Temperature:       | 24.6° C     |
| Relative Humidity: | 52.4%       |
| ATM Pressure:      | 100.0 kPa   |
| Test Engineer:     | Emiya Lin   |
| Supervised by:     | Simba Huang |



## Contents

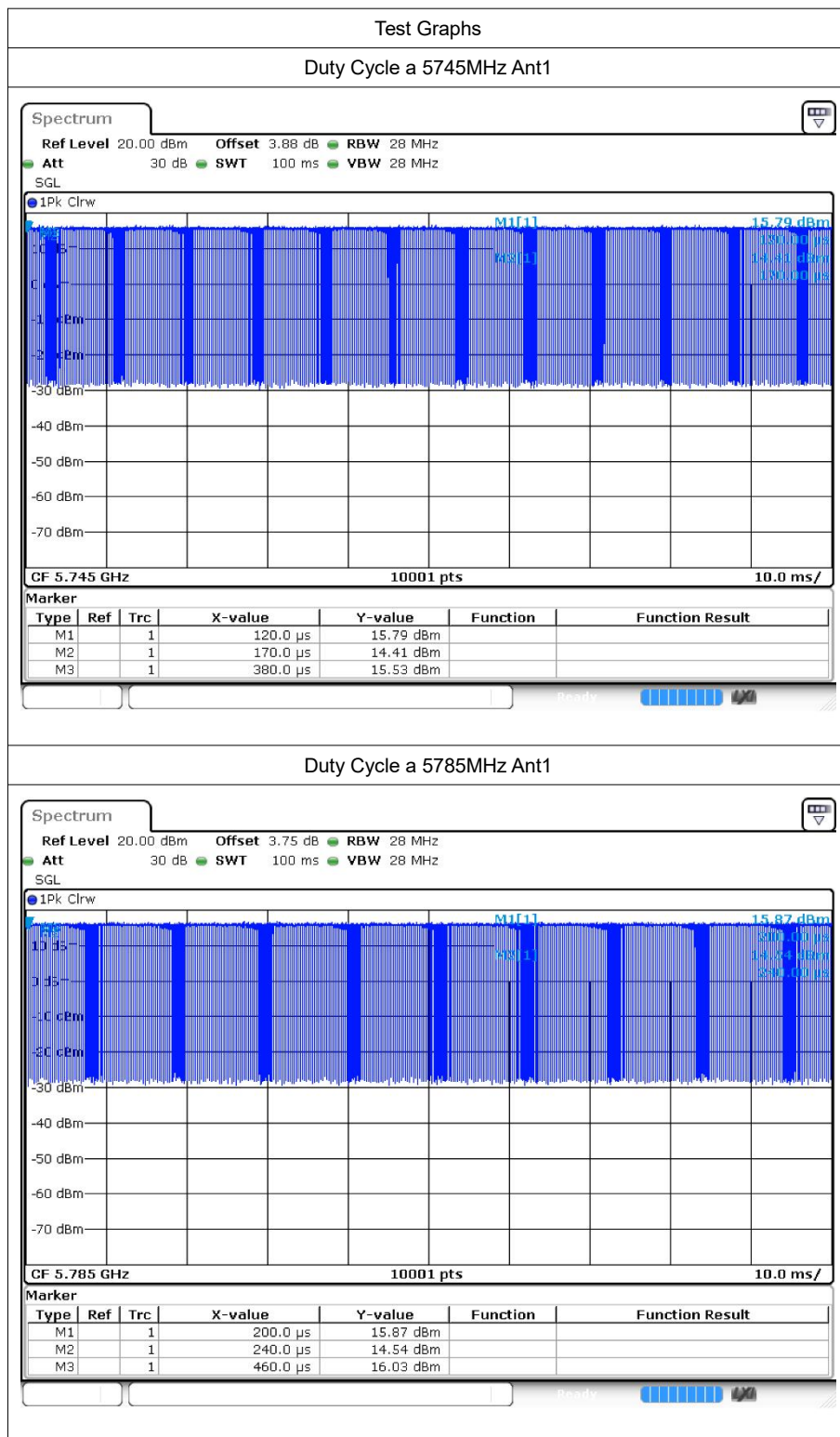
|                                             | Page |
|---------------------------------------------|------|
| <b>COVER PAGE</b>                           |      |
| 1 Duty Cycle.....                           | 3    |
| 1.1 Test Result.....                        | 3    |
| 1.2 Test Graphs.....                        | 4    |
| 2 Maximum Conducted Output Power.....       | 8    |
| 2.1 Test Result.....                        | 8    |
| 3 -6dB Bandwidth.....                       | 9    |
| 3.1 Test Result.....                        | 9    |
| 3.2 Test Graphs.....                        | 10   |
| 4 Occupied Channel Bandwidth.....           | 14   |
| 4.1 Test Result.....                        | 14   |
| 4.2 Test Graphs.....                        | 15   |
| 5 Maximum Power Spectral Density Level..... | 19   |
| 5.1 Test Result.....                        | 19   |
| 5.2 Test Graphs.....                        | 20   |
| 6 Frequency Stability.....                  | 24   |
| 6.1 Test Result.....                        | 24   |
| 7 Conducted RF Spurious Emission.....       | 27   |
| 7.1 Test Result.....                        | 27   |
| 7.2 Test Graphs.....                        | 28   |
| 8 Restrict Band.....                        | 32   |
| 8.1 Test Result.....                        | 32   |
| 8.2 Test Graphs.....                        | 34   |

# 1 Duty Cycle

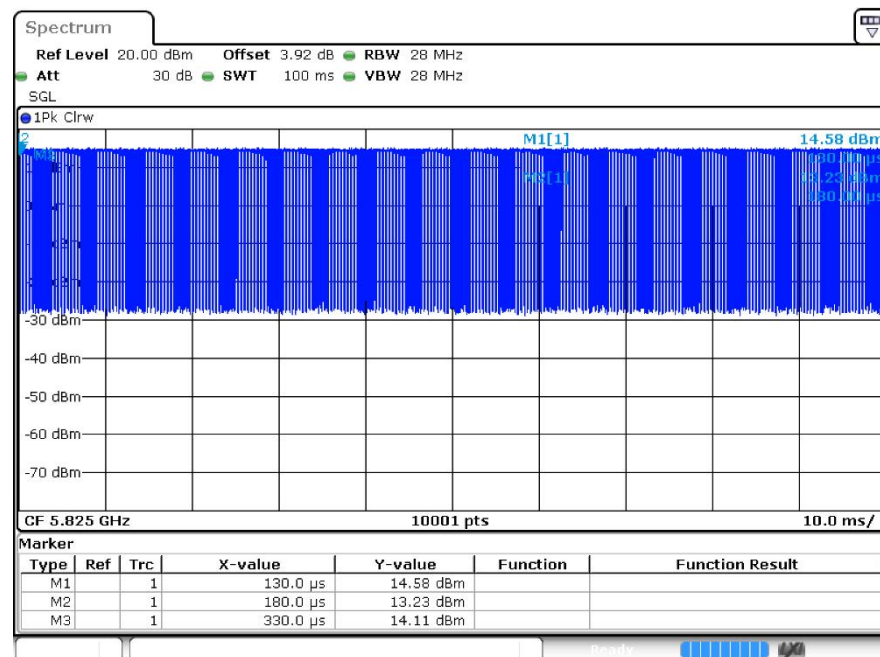
## 1.1 Test Result

| Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|------|-----------------|---------|----------------|------------------------|-----------|
| a    | 5745            | Ant1    | 86.57          | 0.63                   | 4.76      |
| a    | 5785            | Ant1    | 86.91          | 0.61                   | 4.55      |
| a    | 5825            | Ant1    | 82.71          | 0.82                   | 6.67      |
| n20  | 5745            | Ant1    | 87.54          | 0.58                   | 4.35      |
| n20  | 5785            | Ant1    | 87.54          | 0.58                   | 4.35      |
| n20  | 5825            | Ant1    | 87.57          | 0.58                   | 4.35      |
| n40  | 5755            | Ant1    | 88.01          | 0.55                   | 4.17      |
| n40  | 5795            | Ant1    | 88             | 0.56                   | 4.17      |

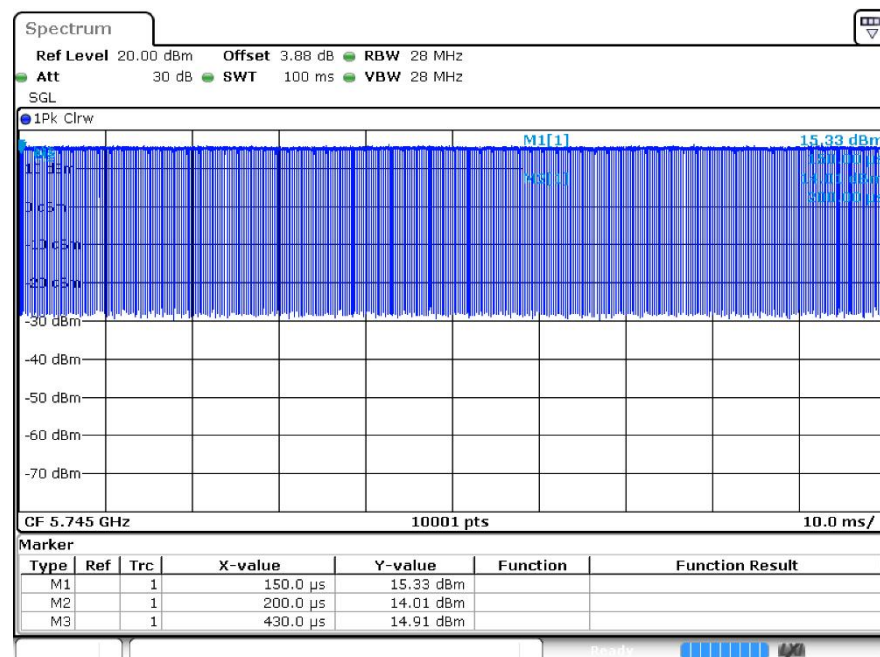
## 1.2 Test Graphs



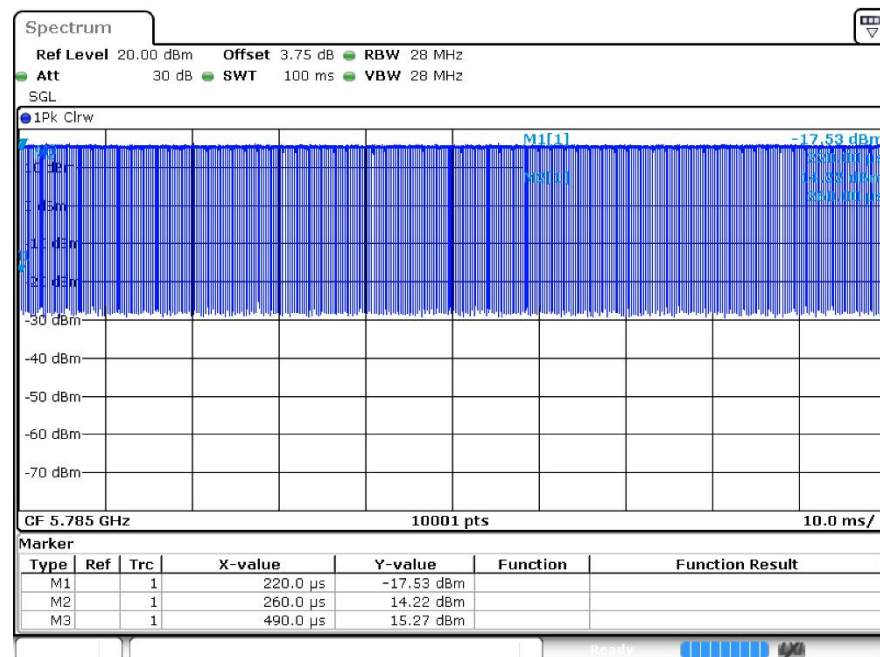
## Duty Cycle a 5825MHz Ant1



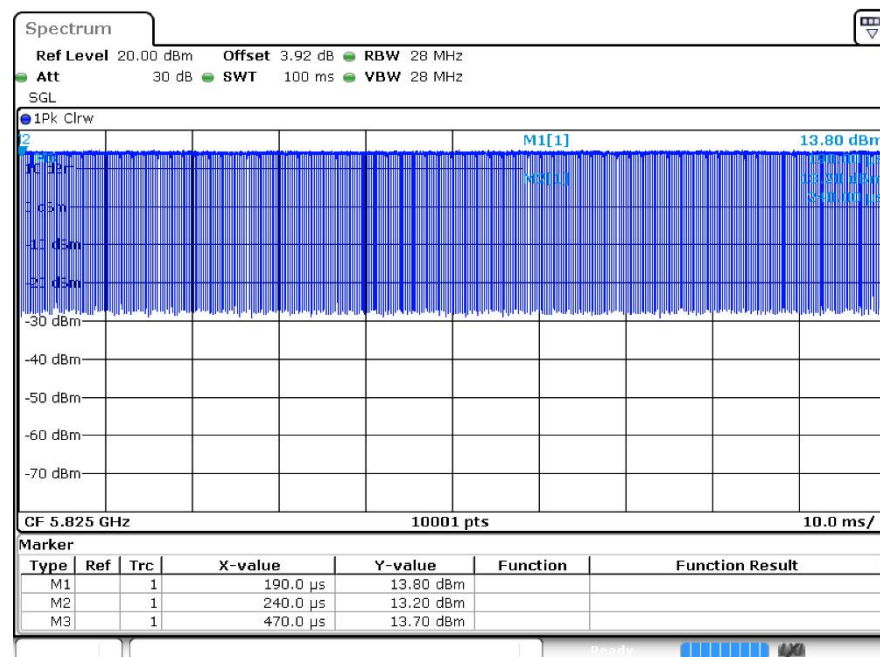
## Duty Cycle n20 5745MHz Ant1



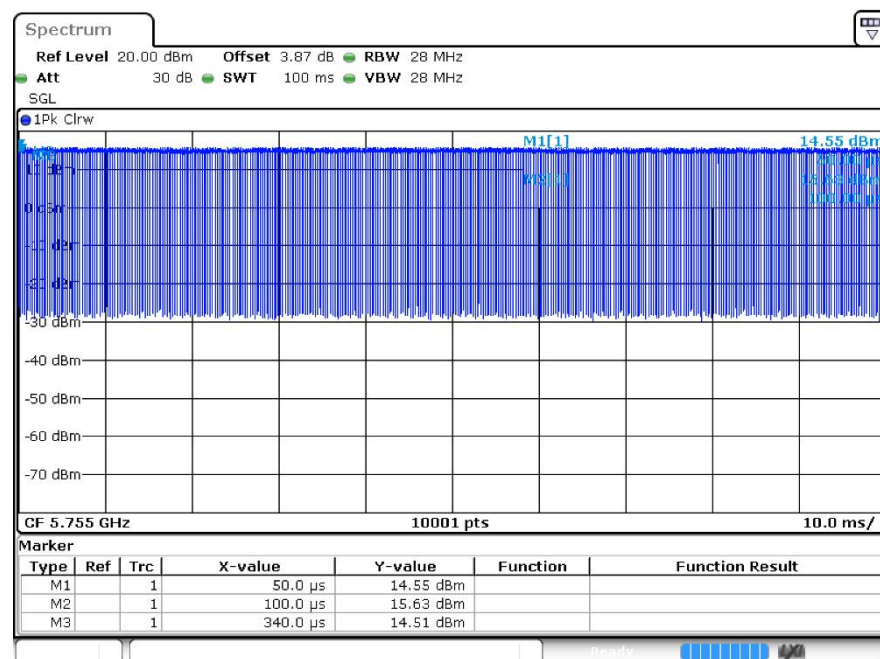
## Duty Cycle n20 5785MHz Ant1



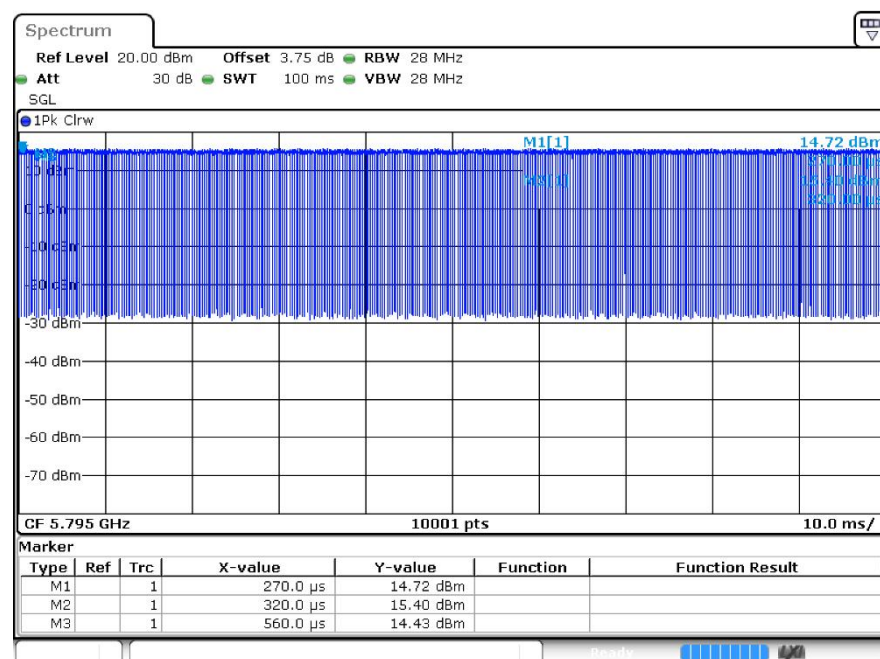
## Duty Cycle n20 5825MHz Ant1



## Duty Cycle n40 5755MHz Ant1



## Duty Cycle n40 5795MHz Ant1



## 2 Maximum Conducted Output Power

### 2.1 Test Result

| Mode | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|------|--------------------|---------|--------------------------|----------------|---------|
| a    | 5745               | Ant1    | 14.65                    | 30             | Pass    |
| a    | 5785               | Ant1    | 14.88                    | 30             | Pass    |
| a    | 5825               | Ant1    | 13.35                    | 30             | Pass    |
| n20  | 5745               | Ant1    | 14.12                    | 30             | Pass    |
| n20  | 5785               | Ant1    | 14.27                    | 30             | Pass    |
| n20  | 5825               | Ant1    | 12.99                    | 30             | Pass    |
| n40  | 5755               | Ant1    | 14                       | 30             | Pass    |
| n40  | 5795               | Ant1    | 14.02                    | 30             | Pass    |

Note:

The duty factor has been compensated into the result.

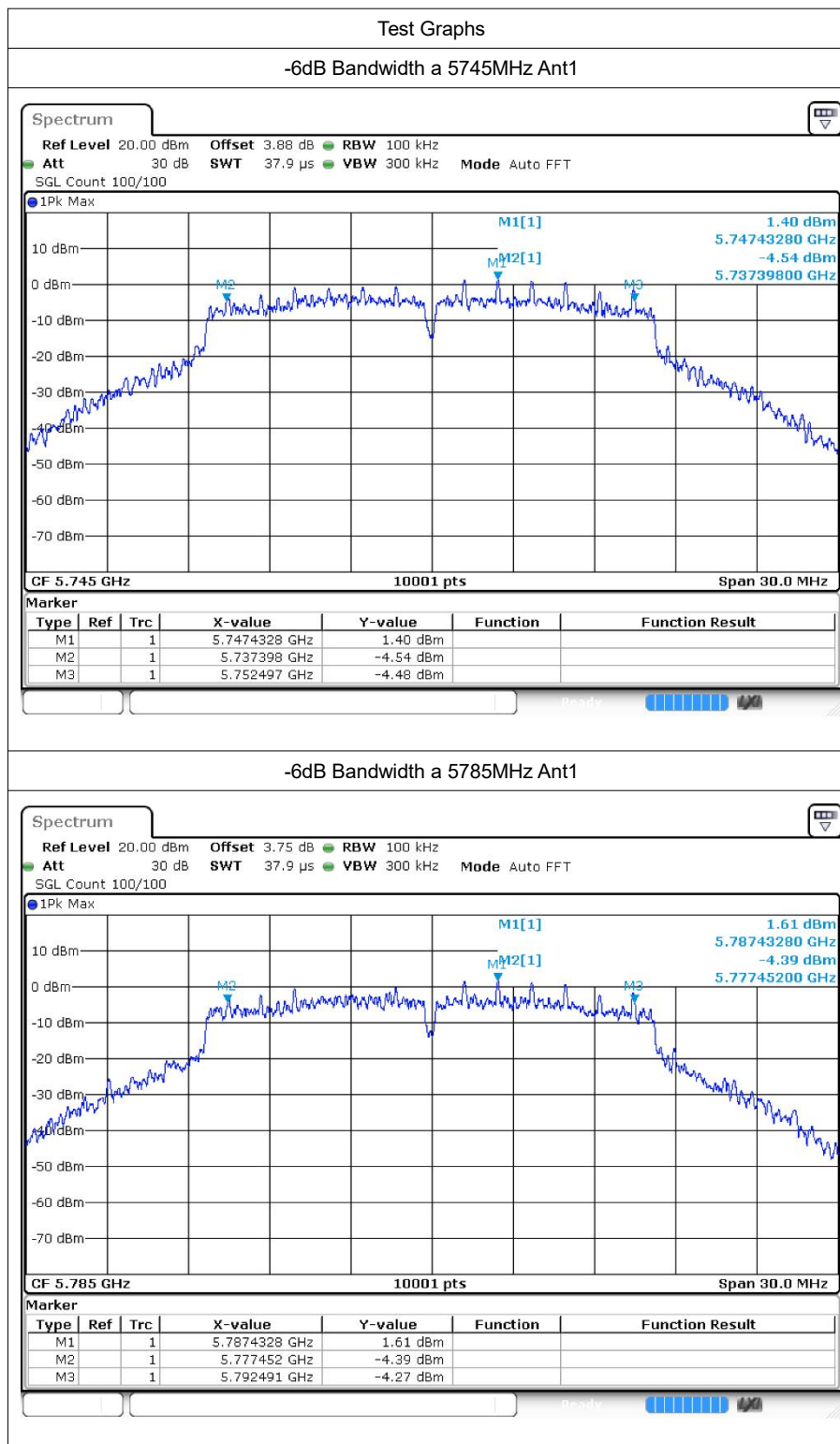


### 3 -6dB Bandwidth

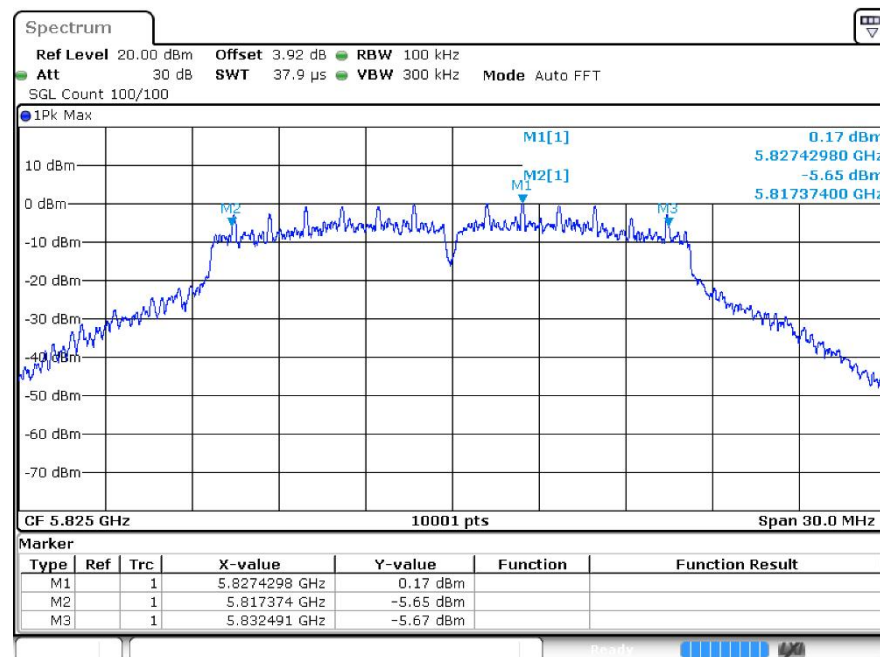
#### 3.1 Test Result

| Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|------|-----------------|---------|-----------------------|-----------------------------|---------|
| a    | 5745            | Ant1    | 15.099                | 0.5                         | Pass    |
| a    | 5785            | Ant1    | 15.039                | 0.5                         | Pass    |
| a    | 5825            | Ant1    | 15.117                | 0.5                         | Pass    |
| n20  | 5745            | Ant1    | 15.114                | 0.5                         | Pass    |
| n20  | 5785            | Ant1    | 15.129                | 0.5                         | Pass    |
| n20  | 5825            | Ant1    | 15.084                | 0.5                         | Pass    |
| n40  | 5755            | Ant1    | 31.356                | 0.5                         | Pass    |
| n40  | 5795            | Ant1    | 31.338                | 0.5                         | Pass    |

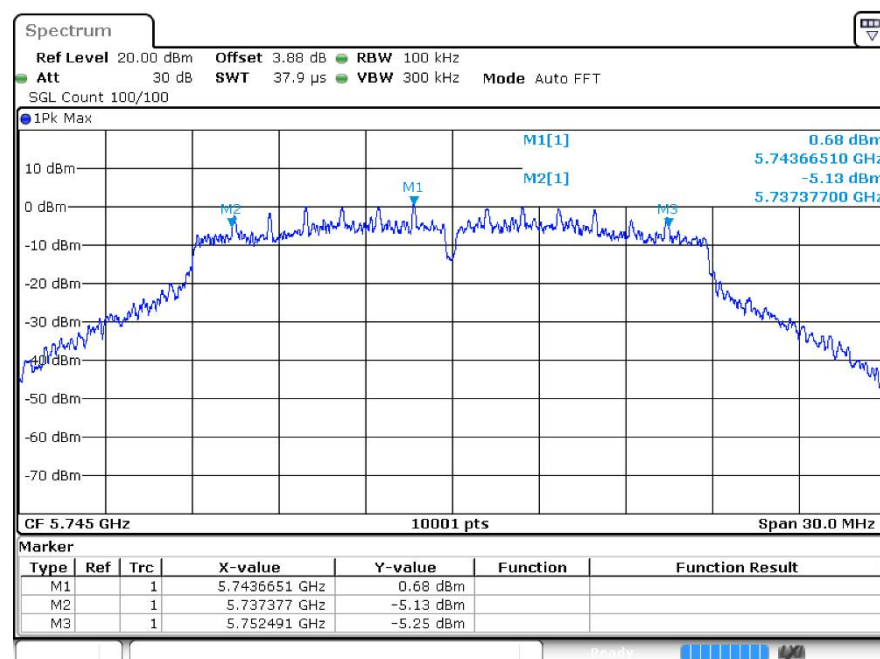
## 3.2 Test Graphs



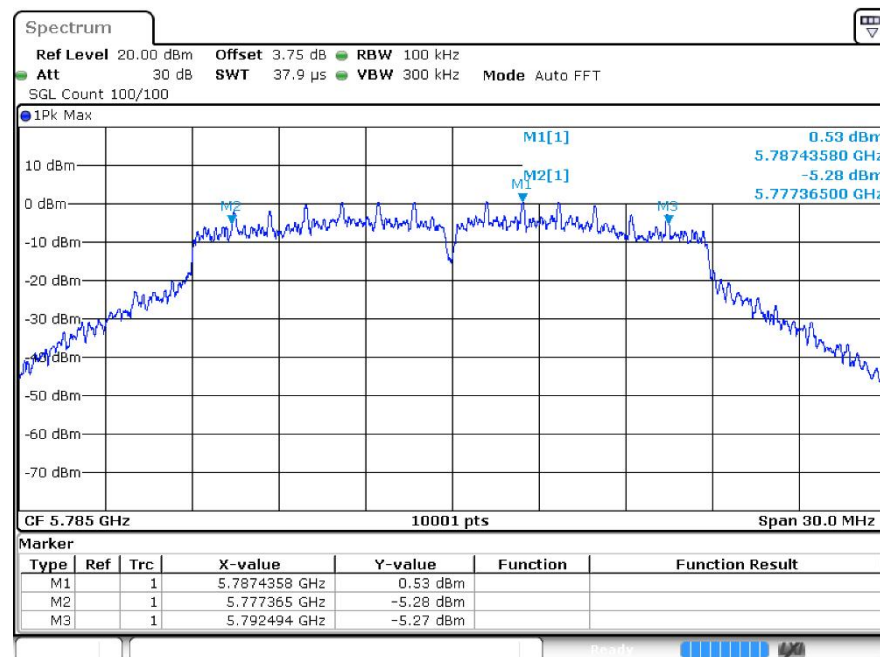
## -6dB Bandwidth a 5825MHz Ant1



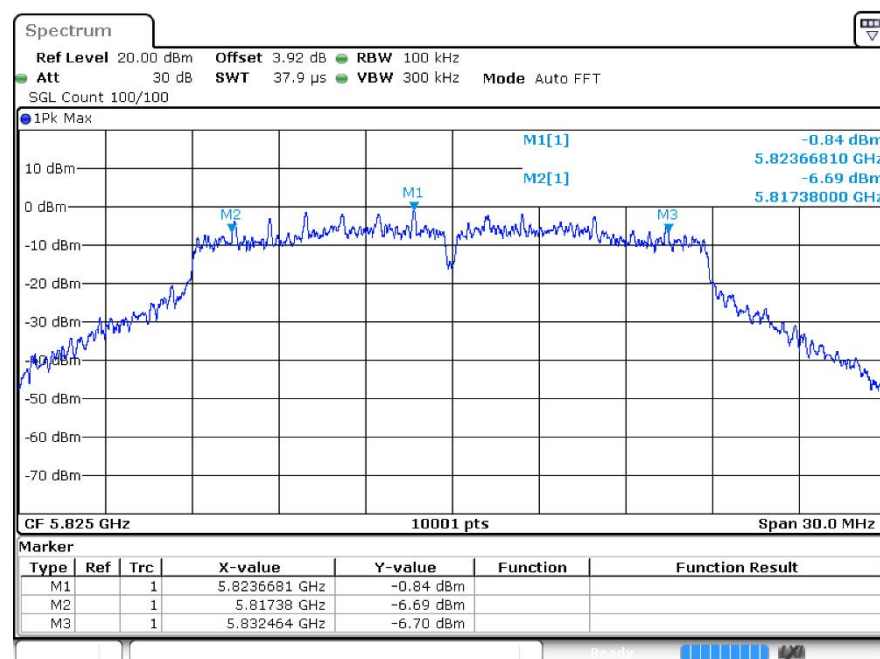
## -6dB Bandwidth n20 5745MHz Ant1



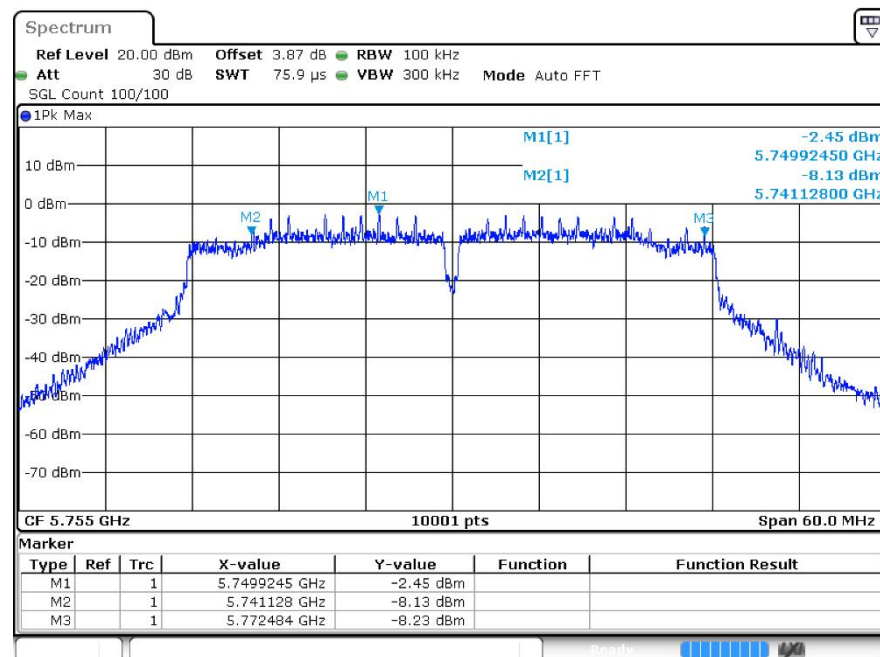
## -6dB Bandwidth n20 5785MHz Ant1



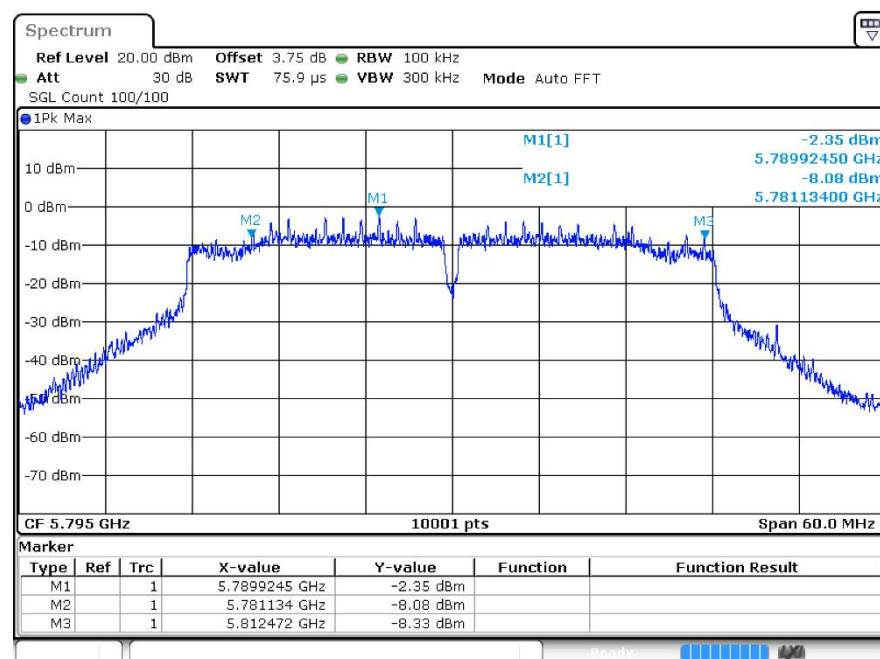
## -6dB Bandwidth n20 5825MHz Ant1



## -6dB Bandwidth n40 5755MHz Ant1



## -6dB Bandwidth n40 5795MHz Ant1

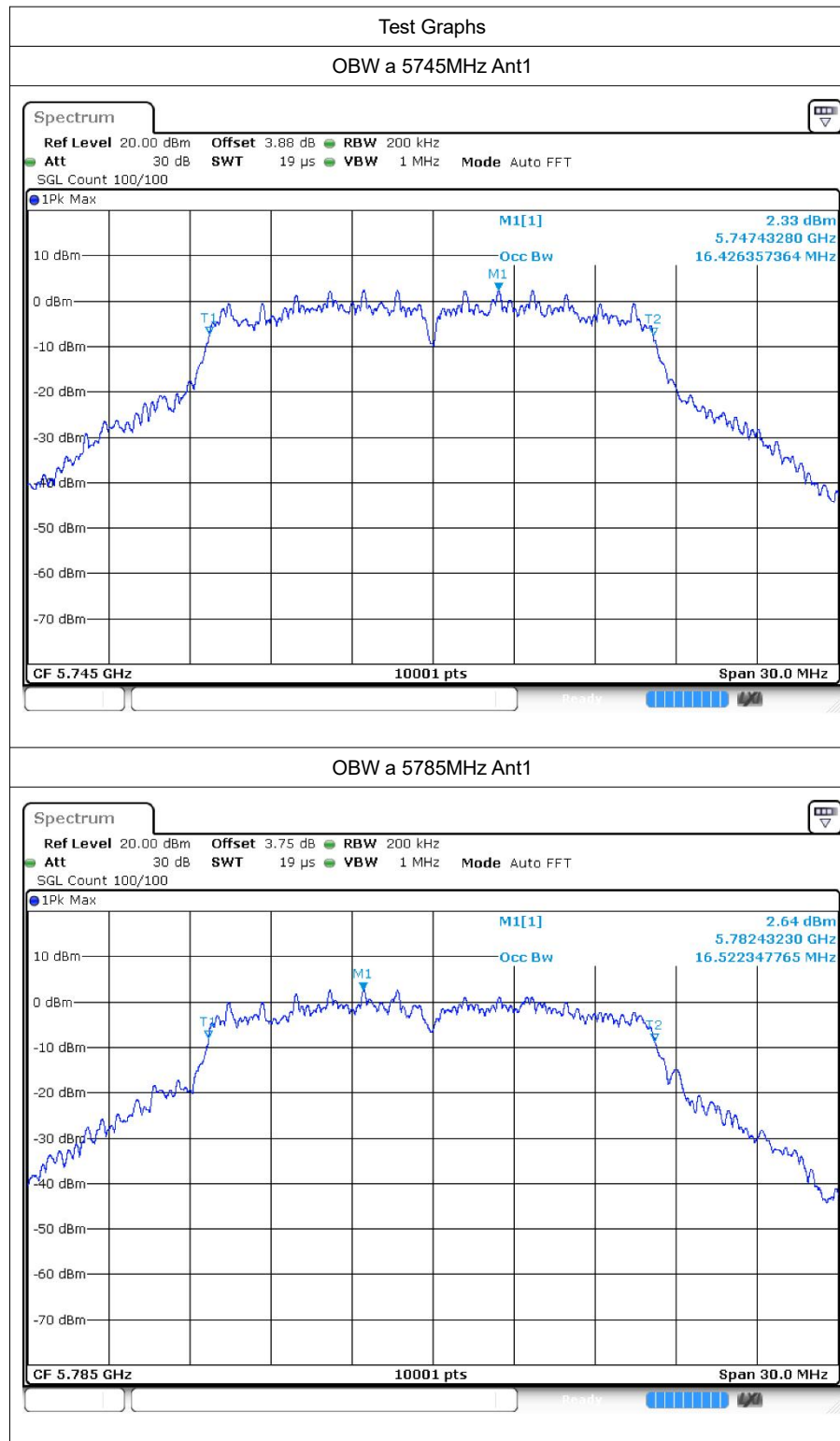


## 4 Occupied Channel Bandwidth

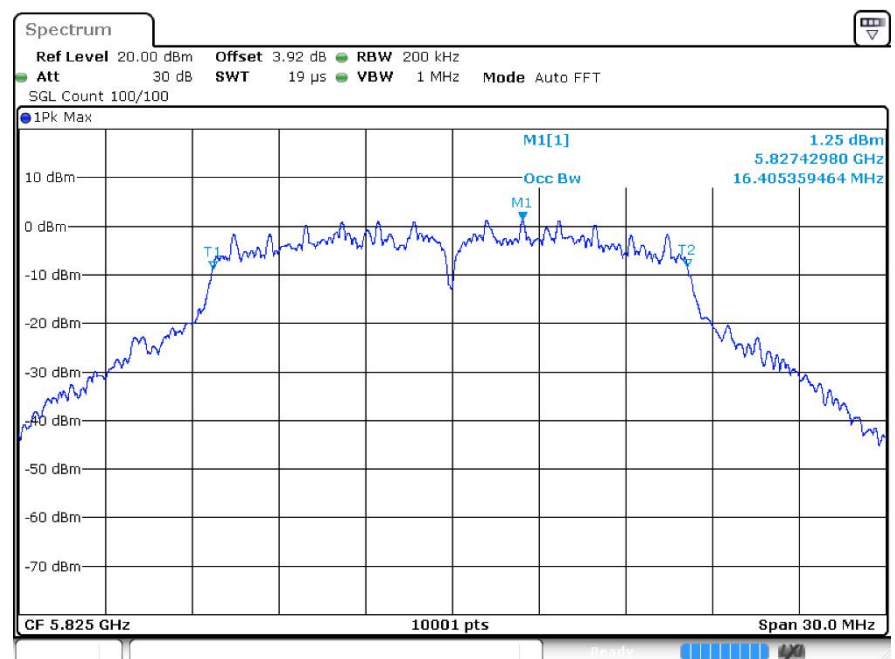
### 4.1 Test Result

| Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|------|-----------------|---------|---------------|
| a    | 5745            | Ant1    | 16.426        |
| a    | 5785            | Ant1    | 16.522        |
| a    | 5825            | Ant1    | 16.405        |
| n20  | 5745            | Ant1    | 17.62         |
| n20  | 5785            | Ant1    | 17.548        |
| n20  | 5825            | Ant1    | 17.584        |
| n40  | 5755            | Ant1    | 36.038        |
| n40  | 5795            | Ant1    | 35.858        |

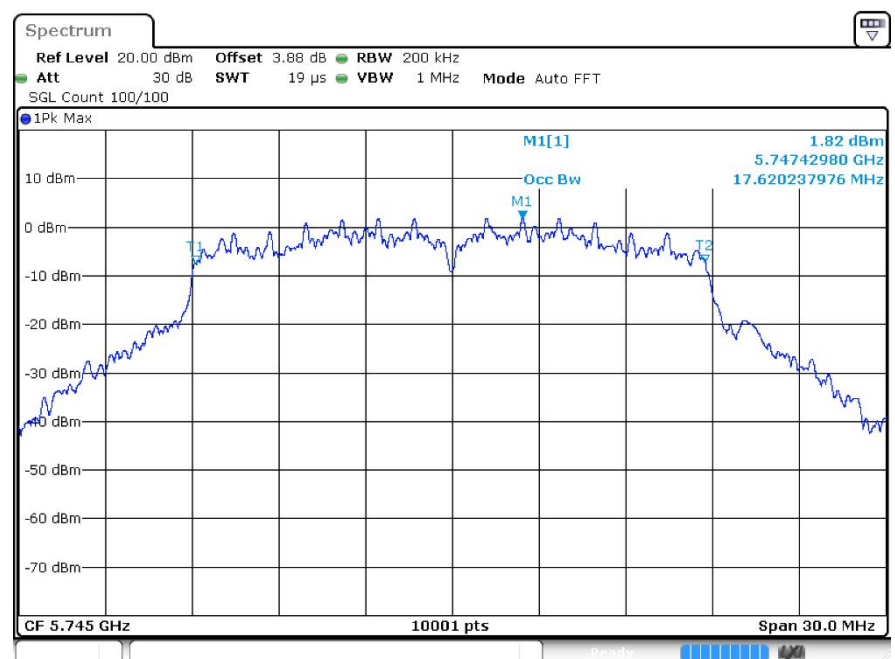
## 4.2 Test Graphs



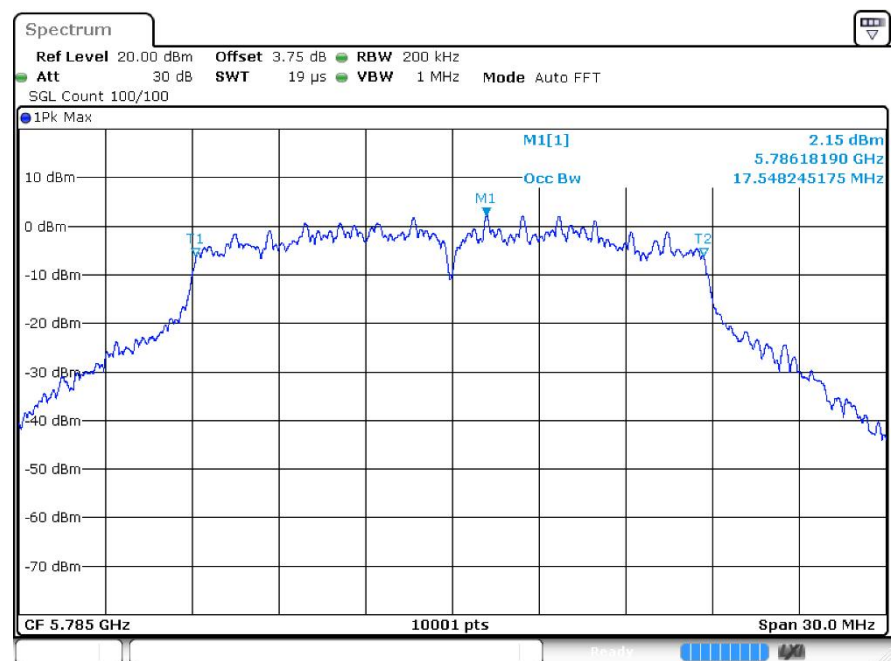
OBW a 5825MHz Ant1



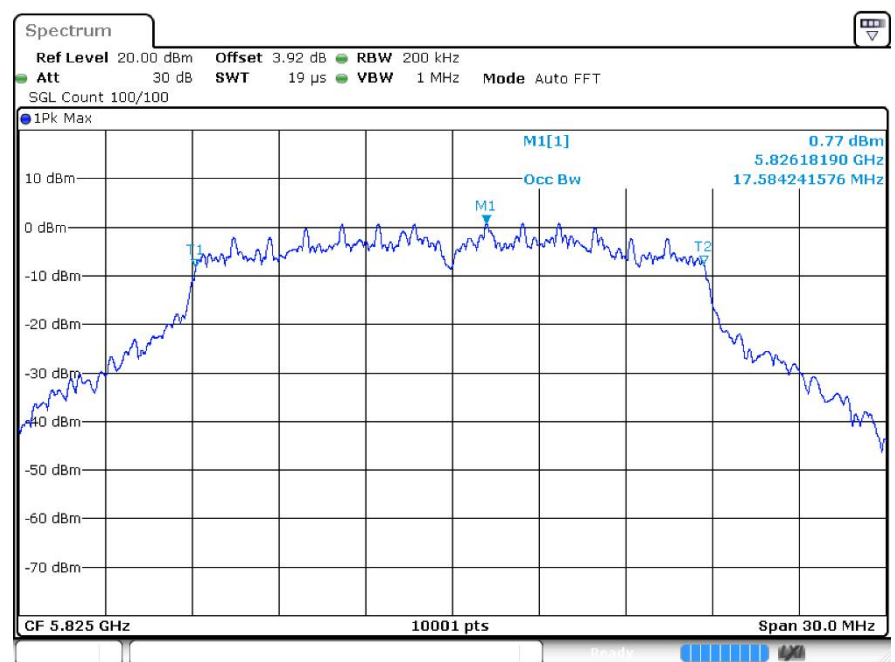
OBW n20 5745MHz Ant1



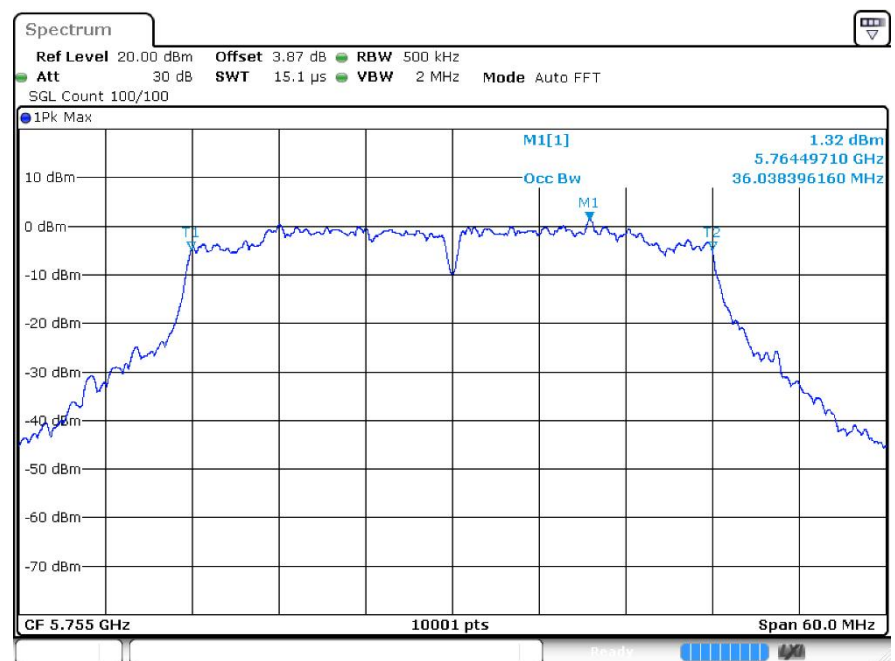
OBW n20 5785MHz Ant1



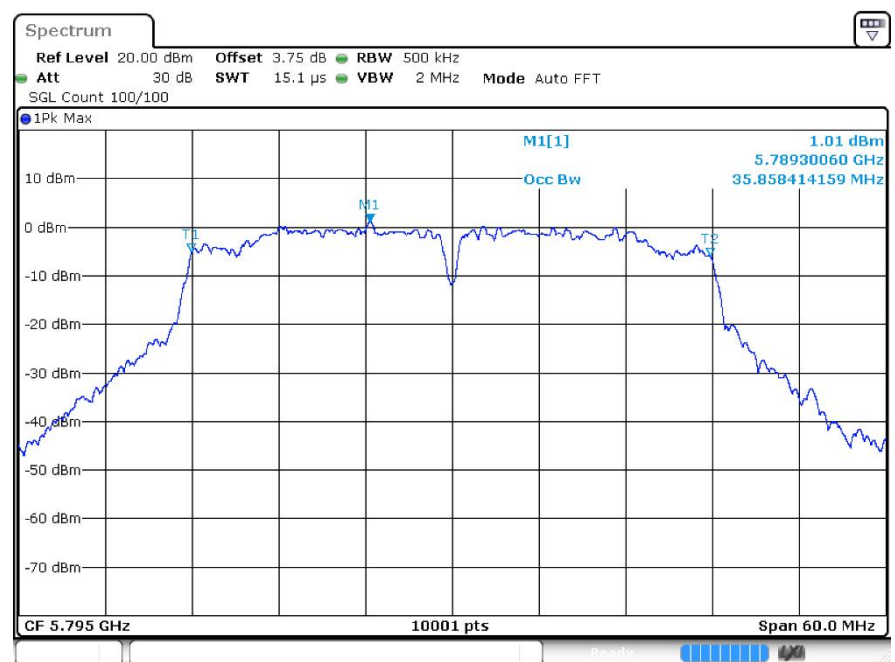
OBW n20 5825MHz Ant1



OBW n40 5755MHz Ant1



OBW n40 5795MHz Ant1

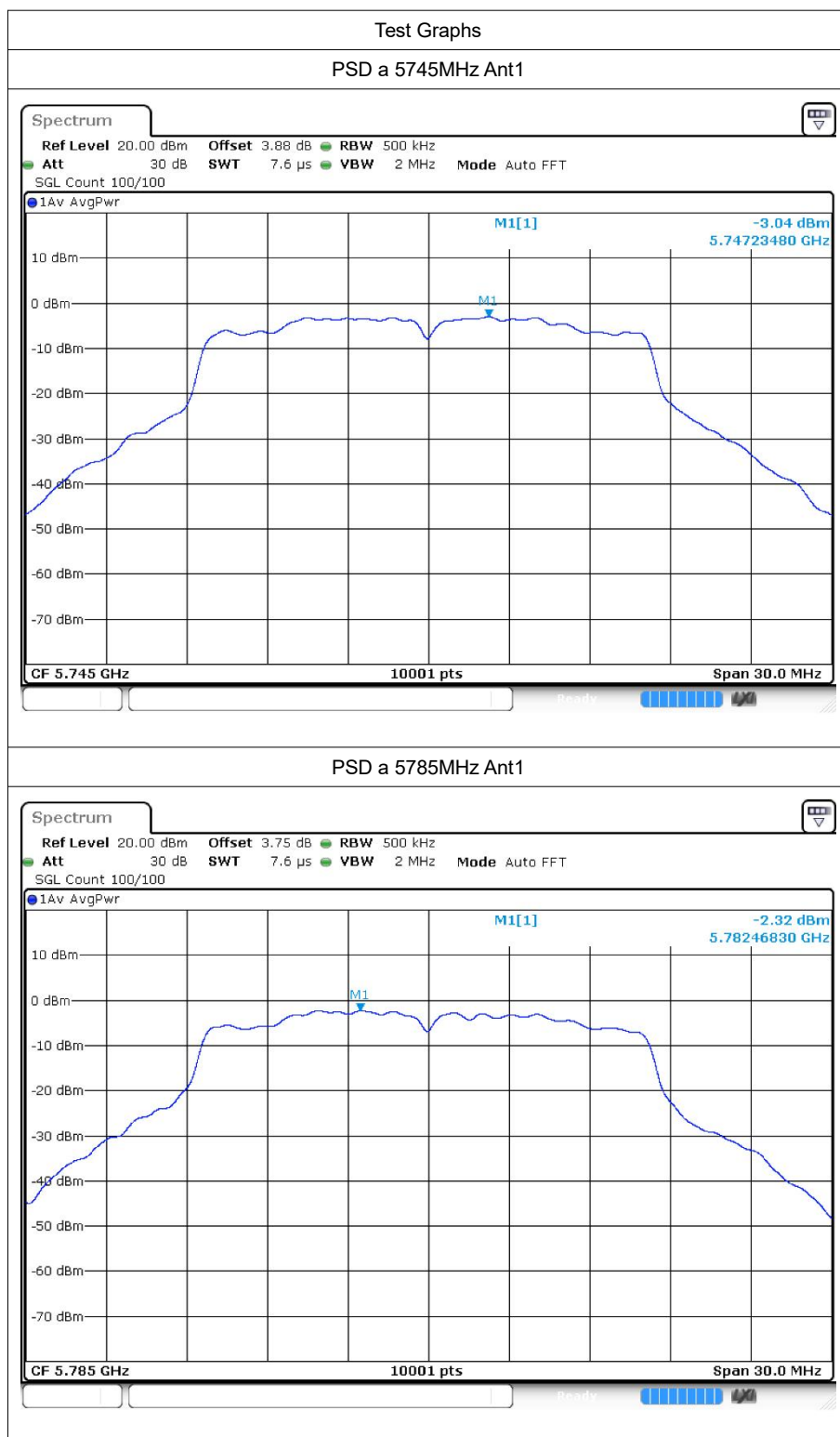


## 5 Maximum Power Spectral Density Level

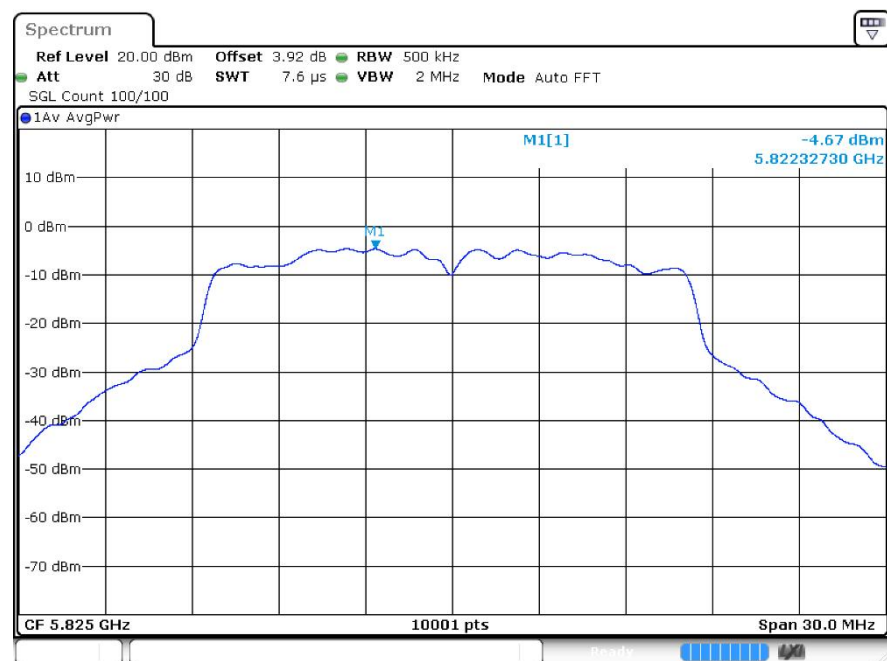
### 5.1 Test Result

| Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Duty Factor (dB) | Total PSD (dBm) | Limit (dBm) | Verdict |
|------|-----------------|---------|---------------------|------------------|-----------------|-------------|---------|
| a    | 5745            | Ant1    | -3.04               | 0.63             | -2.41           | 30          | Pass    |
| a    | 5785            | Ant1    | -2.32               | 0.61             | -1.71           | 30          | Pass    |
| a    | 5825            | Ant1    | -4.67               | 0.82             | -3.85           | 30          | Pass    |
| n20  | 5745            | Ant1    | -4.59               | 0.58             | -4.01           | 30          | Pass    |
| n20  | 5785            | Ant1    | -3.22               | 0.58             | -2.64           | 30          | Pass    |
| n20  | 5825            | Ant1    | -3.66               | 0.58             | -3.08           | 30          | Pass    |
| n40  | 5755            | Ant1    | -6.46               | 0.55             | -5.91           | 30          | Pass    |
| n40  | 5795            | Ant1    | -6.75               | 0.56             | -6.19           | 30          | Pass    |

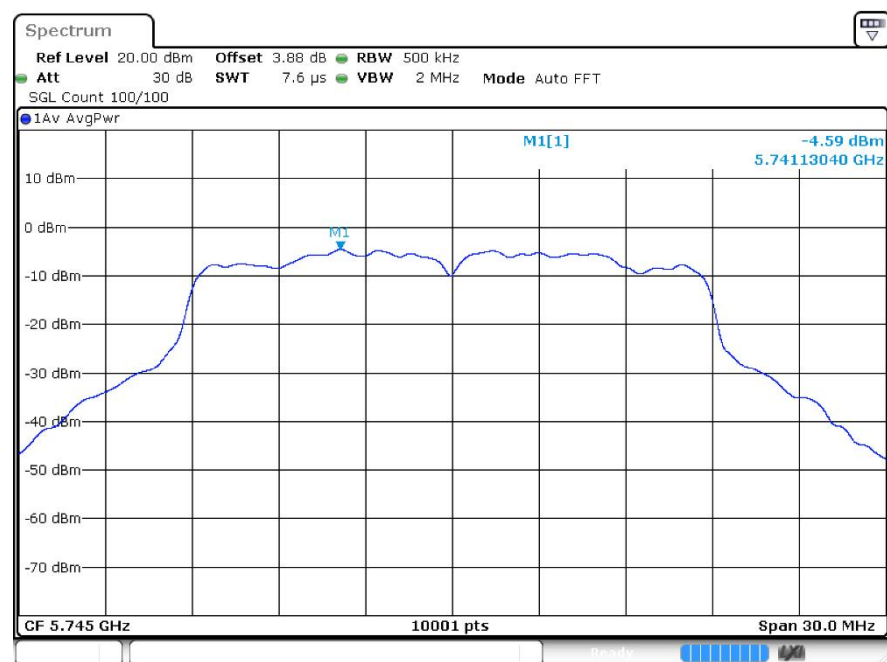
## 5.2 Test Graphs



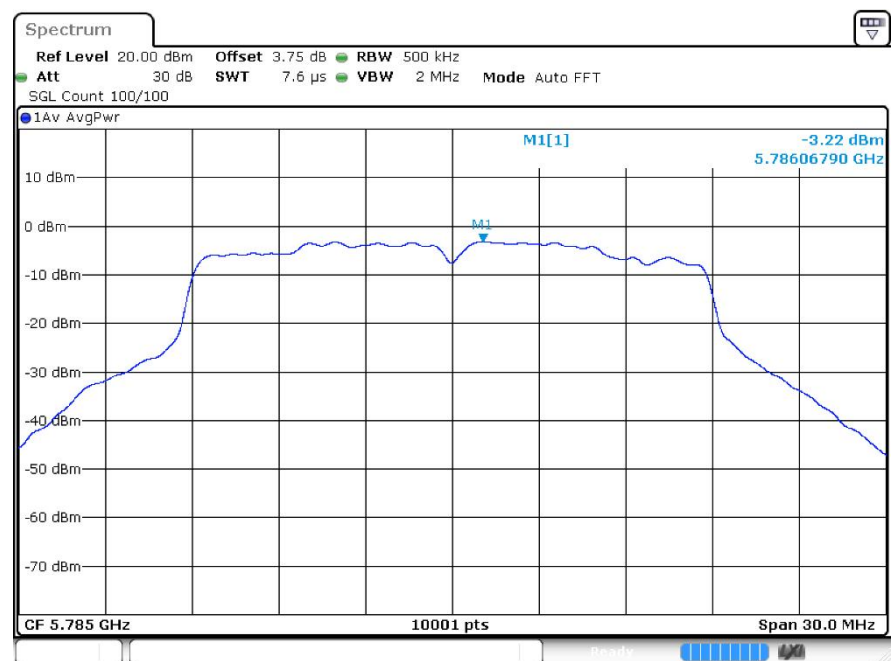
PSD a 5825MHz Ant1



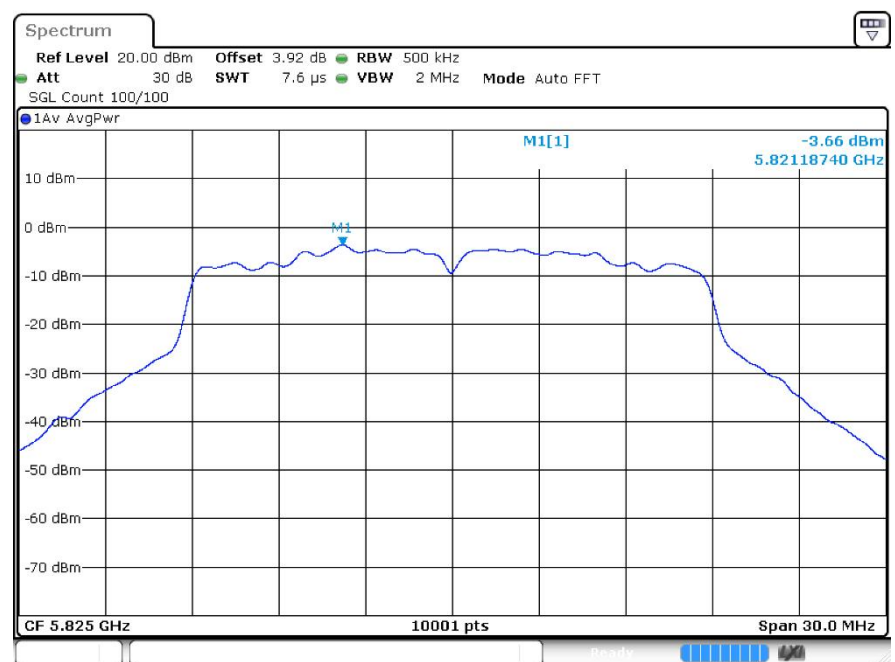
PSD n20 5745MHz Ant1



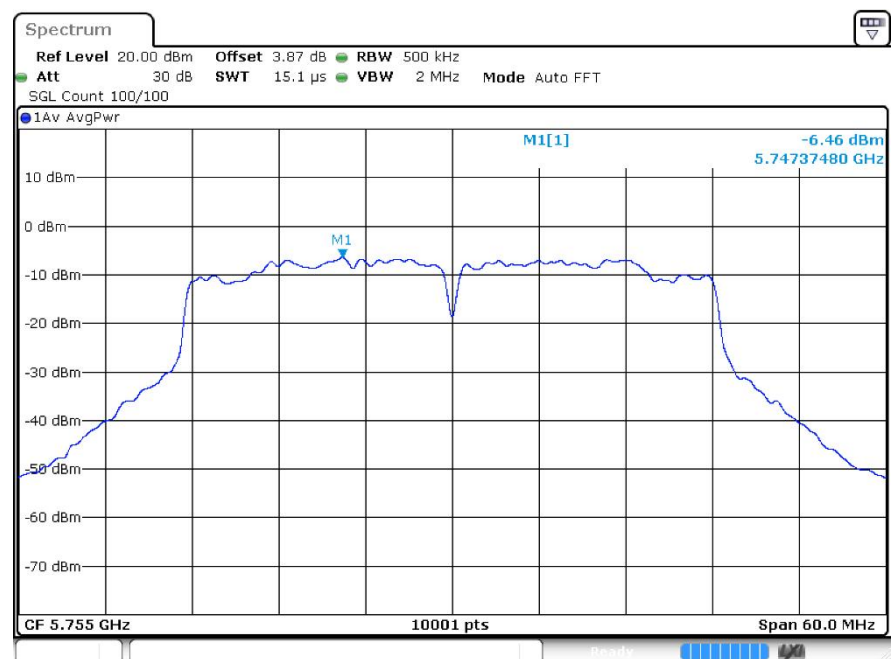
PSD n20 5785MHz Ant1



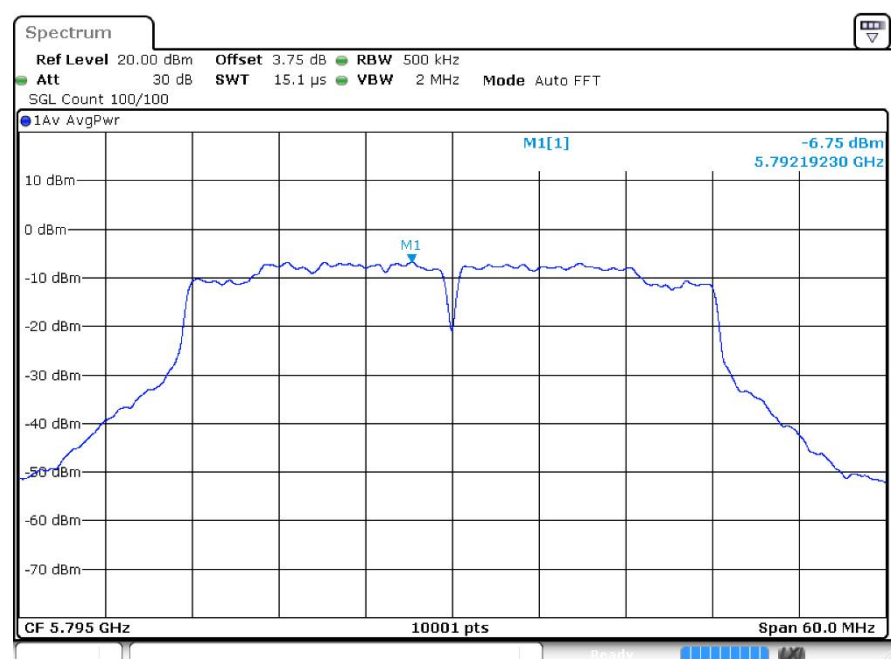
PSD n20 5825MHz Ant1



PSD n40 5755MHz Ant1



PSD n40 5795MHz Ant1



## 6 Frequency Stability

### 6.1 Test Result

| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Frequency Error (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-----------|------|-----------------|---------|--------------------------|----------------------|-----------------|-------------|---------|
| 20C 4.5V  | a    | 5745            | Ant1    | 5744.92                  | -80000               | -13.93          | 25          | Pass    |
| 20C 5.0V  | a    | 5745            | Ant1    | 5744.92                  | -80000               | -13.93          | 25          | Pass    |
| 20C 5.5V  | a    | 5745            | Ant1    | 5744.94                  | -60000               | -10.44          | 25          | Pass    |
| -20C 5.0V | a    | 5745            | Ant1    | 5744.94                  | -60000               | -10.44          | 25          | Pass    |
| -10C 5.0V | a    | 5745            | Ant1    | 5744.92                  | -80000               | -13.93          | 25          | Pass    |
| 0C 5.0V   | a    | 5745            | Ant1    | 5744.92                  | -80000               | -13.93          | 25          | Pass    |
| 10C 5.0V  | a    | 5745            | Ant1    | 5744.94                  | -60000               | -10.44          | 25          | Pass    |
| 30C 5.0V  | a    | 5745            | Ant1    | 5744.9                   | -100000              | -17.41          | 25          | Pass    |
| 40C 5.0V  | a    | 5745            | Ant1    | 5744.92                  | -80000               | -13.93          | 25          | Pass    |
| 50C 5.0V  | a    | 5745            | Ant1    | 5744.96                  | -40000               | -6.96           | 25          | Pass    |
| 20C 4.5V  | a    | 5785            | Ant1    | 5784.92                  | -80000               | -13.83          | 25          | Pass    |
| 20C 5.0V  | a    | 5785            | Ant1    | 5784.9                   | -100000              | -17.29          | 25          | Pass    |
| 20C 5.5V  | a    | 5785            | Ant1    | 5784.92                  | -80000               | -13.83          | 25          | Pass    |
| -20C 5.0V | a    | 5785            | Ant1    | 5784.94                  | -60000               | -10.37          | 25          | Pass    |
| -10C 5.0V | a    | 5785            | Ant1    | 5784.94                  | -60000               | -10.37          | 25          | Pass    |
| 0C 5.0V   | a    | 5785            | Ant1    | 5784.92                  | -80000               | -13.83          | 25          | Pass    |
| 10C 5.0V  | a    | 5785            | Ant1    | 5784.94                  | -60000               | -10.37          | 25          | Pass    |
| 30C 5.0V  | a    | 5785            | Ant1    | 5784.94                  | -60000               | -10.37          | 25          | Pass    |
| 40C 5.0V  | a    | 5785            | Ant1    | 5784.94                  | -60000               | -10.37          | 25          | Pass    |
| 50C 5.0V  | a    | 5785            | Ant1    | 5784.92                  | -80000               | -13.83          | 25          | Pass    |
| 20C 4.5V  | a    | 5825            | Ant1    | 5824.96                  | -40000               | -6.87           | 25          | Pass    |
| 20C 5.0V  | a    | 5825            | Ant1    | 5824.92                  | -80000               | -13.73          | 25          | Pass    |
| 20C 5.5V  | a    | 5825            | Ant1    | 5824.96                  | -40000               | -6.87           | 25          | Pass    |
| -20C 5.0V | a    | 5825            | Ant1    | 5824.94                  | -60000               | -10.3           | 25          | Pass    |
| -10C 5.0V | a    | 5825            | Ant1    | 5824.94                  | -60000               | -10.3           | 25          | Pass    |
| 0C 5.0V   | a    | 5825            | Ant1    | 5824.9                   | -100000              | -17.17          | 25          | Pass    |
| 10C 5.0V  | a    | 5825            | Ant1    | 5824.94                  | -60000               | -10.3           | 25          | Pass    |
| 30C 5.0V  | a    | 5825            | Ant1    | 5824.96                  | -40000               | -6.87           | 25          | Pass    |
| 40C 5.0V  | a    | 5825            | Ant1    | 5824.9                   | -100000              | -17.17          | 25          | Pass    |
| 50C 5.0V  | a    | 5825            | Ant1    | 5824.94                  | -60000               | -10.3           | 25          | Pass    |
| 20C 4.5V  | n20  | 5745            | Ant1    | 5744.96                  | -40000               | -6.96           | 25          | Pass    |
| 20C 5.0V  | n20  | 5745            | Ant1    | 5744.92                  | -80000               | -13.93          | 25          | Pass    |
| 20C 5.5V  | n20  | 5745            | Ant1    | 5744.94                  | -60000               | -10.44          | 25          | Pass    |
| -20C 5.0V | n20  | 5745            | Ant1    | 5744.94                  | -60000               | -10.44          | 25          | Pass    |



|           |     |      |      |         |         |        |    |      |
|-----------|-----|------|------|---------|---------|--------|----|------|
| -10C 5.0V | n20 | 5745 | Ant1 | 5745    | 0       | 0      | 25 | Pass |
| 0C 5.0V   | n20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 10C 5.0V  | n20 | 5745 | Ant1 | 5744.96 | -40000  | -6.96  | 25 | Pass |
| 30C 5.0V  | n20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 40C 5.0V  | n20 | 5745 | Ant1 | 5744.92 | -80000  | -13.93 | 25 | Pass |
| 50C 5.0V  | n20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 20C 4.5V  | n20 | 5785 | Ant1 | 5784.94 | -60000  | -10.37 | 25 | Pass |
| 20C 5.0V  | n20 | 5785 | Ant1 | 5784.96 | -40000  | -6.91  | 25 | Pass |
| 20C 5.5V  | n20 | 5785 | Ant1 | 5784.96 | -40000  | -6.91  | 25 | Pass |
| -20C 5.0V | n20 | 5785 | Ant1 | 5784.98 | -20000  | -3.46  | 25 | Pass |
| -10C 5.0V | n20 | 5785 | Ant1 | 5784.9  | -100000 | -17.29 | 25 | Pass |
| 0C 5.0V   | n20 | 5785 | Ant1 | 5784.96 | -40000  | -6.91  | 25 | Pass |
| 10C 5.0V  | n20 | 5785 | Ant1 | 5784.92 | -80000  | -13.83 | 25 | Pass |
| 30C 5.0V  | n20 | 5785 | Ant1 | 5784.92 | -80000  | -13.83 | 25 | Pass |
| 40C 5.0V  | n20 | 5785 | Ant1 | 5784.94 | -60000  | -10.37 | 25 | Pass |
| 50C 5.0V  | n20 | 5785 | Ant1 | 5784.9  | -100000 | -17.29 | 25 | Pass |
| 20C 4.5V  | n20 | 5825 | Ant1 | 5824.92 | -80000  | -13.73 | 25 | Pass |
| 20C 5.0V  | n20 | 5825 | Ant1 | 5824.92 | -80000  | -13.73 | 25 | Pass |
| 20C 5.5V  | n20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |
| -20C 5.0V | n20 | 5825 | Ant1 | 5824.92 | -80000  | -13.73 | 25 | Pass |
| -10C 5.0V | n20 | 5825 | Ant1 | 5824.9  | -100000 | -17.17 | 25 | Pass |
| 0C 5.0V   | n20 | 5825 | Ant1 | 5824.92 | -80000  | -13.73 | 25 | Pass |
| 10C 5.0V  | n20 | 5825 | Ant1 | 5824.9  | -100000 | -17.17 | 25 | Pass |
| 30C 5.0V  | n20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |
| 40C 5.0V  | n20 | 5825 | Ant1 | 5824.92 | -80000  | -13.73 | 25 | Pass |
| 50C 5.0V  | n20 | 5825 | Ant1 | 5824.96 | -40000  | -6.87  | 25 | Pass |
| 20C 4.5V  | n40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 20C 5.0V  | n40 | 5755 | Ant1 | 5754.88 | -120000 | -20.85 | 25 | Pass |
| 20C 5.5V  | n40 | 5755 | Ant1 | 5754.88 | -120000 | -20.85 | 25 | Pass |
| -20C 5.0V | n40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| -10C 5.0V | n40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 0C 5.0V   | n40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 10C 5.0V  | n40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 30C 5.0V  | n40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 40C 5.0V  | n40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 50C 5.0V  | n40 | 5755 | Ant1 | 5754.88 | -120000 | -20.85 | 25 | Pass |
| 20C 4.5V  | n40 | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 20C 5.0V  | n40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 20C 5.5V  | n40 | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| -20C 5.0V | n40 | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| -10C 5.0V | n40 | 5795 | Ant1 | 5794.88 | -120000 | -20.71 | 25 | Pass |
| 0C 5.0V   | n40 | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 10C 5.0V  | n40 | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |



|          |     |      |      |         |        |        |    |      |
|----------|-----|------|------|---------|--------|--------|----|------|
| 30C 5.0V | n40 | 5795 | Ant1 | 5794.92 | -80000 | -13.81 | 25 | Pass |
| 40C 5.0V | n40 | 5795 | Ant1 | 5794.92 | -80000 | -13.81 | 25 | Pass |
| 50C 5.0V | n40 | 5795 | Ant1 | 5794.96 | -40000 | -6.9   | 25 | Pass |

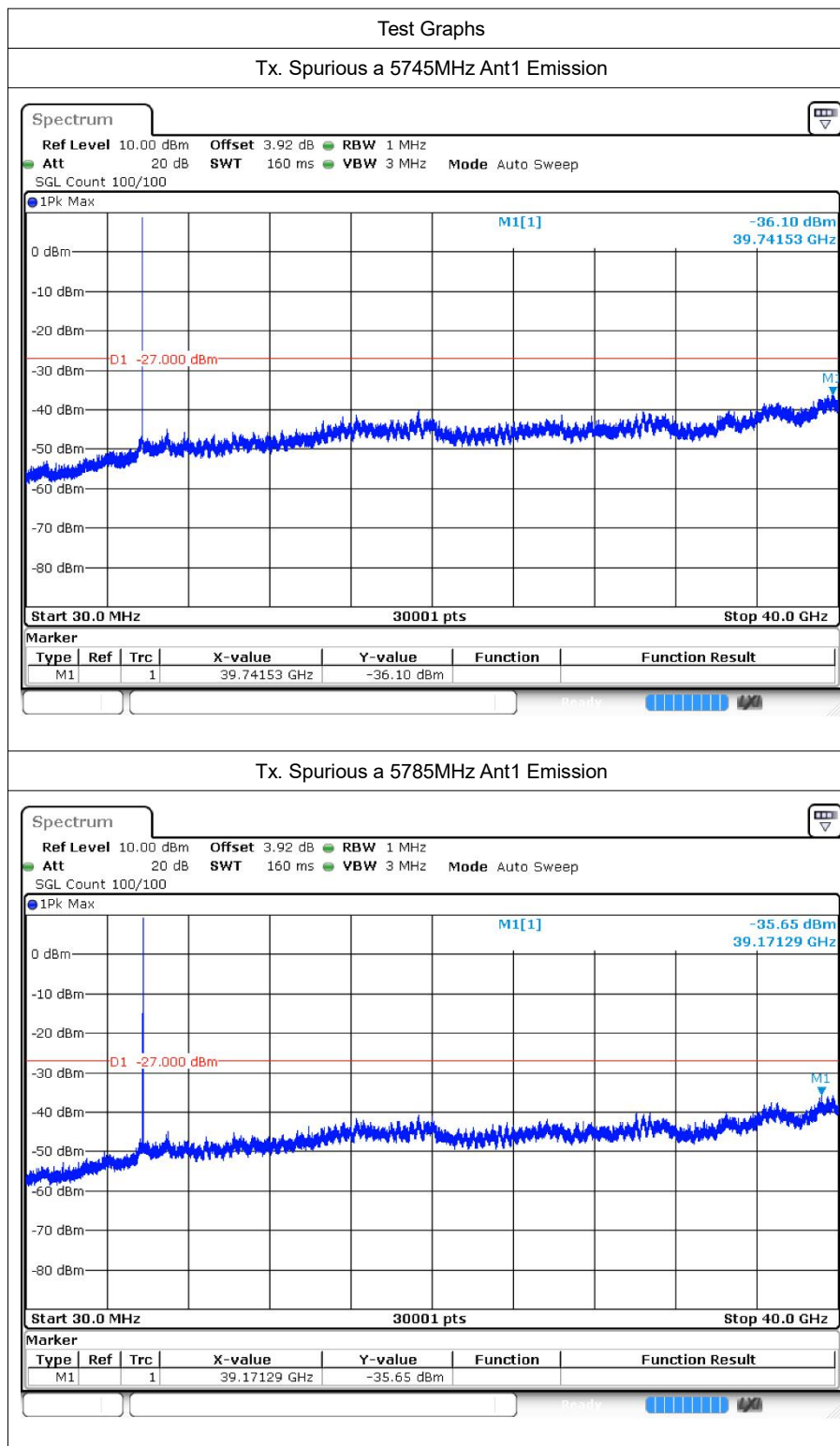


## 7 Conducted RF Spurious Emission

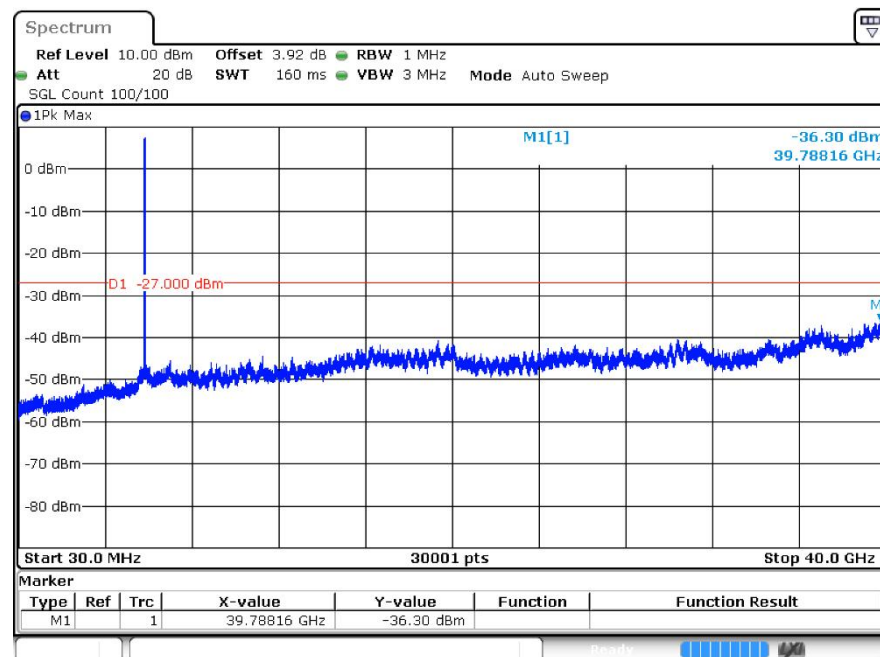
### 7.1 Test Result

| Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|------|-----------------|---------|-----------------|-------------|---------|
| a    | 5745            | Ant1    | -36.09          | -27         | Pass    |
| a    | 5785            | Ant1    | -35.65          | -27         | Pass    |
| a    | 5825            | Ant1    | -36.3           | -27         | Pass    |
| n20  | 5745            | Ant1    | -35.74          | -27         | Pass    |
| n20  | 5785            | Ant1    | -36.41          | -27         | Pass    |
| n20  | 5825            | Ant1    | -35.47          | -27         | Pass    |
| n40  | 5755            | Ant1    | -35.51          | -27         | Pass    |
| n40  | 5795            | Ant1    | -35.54          | -27         | Pass    |

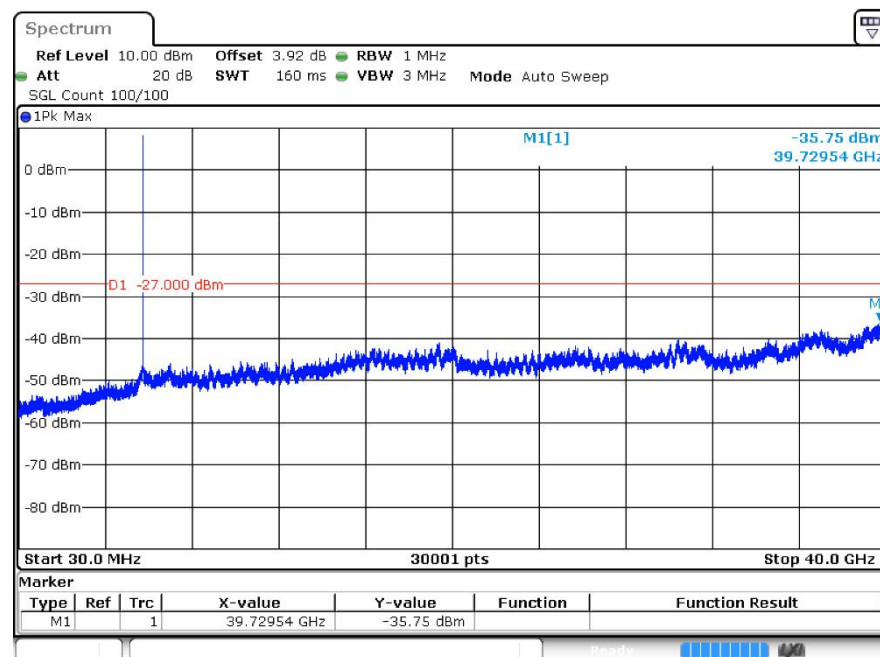
## 7.2 Test Graphs



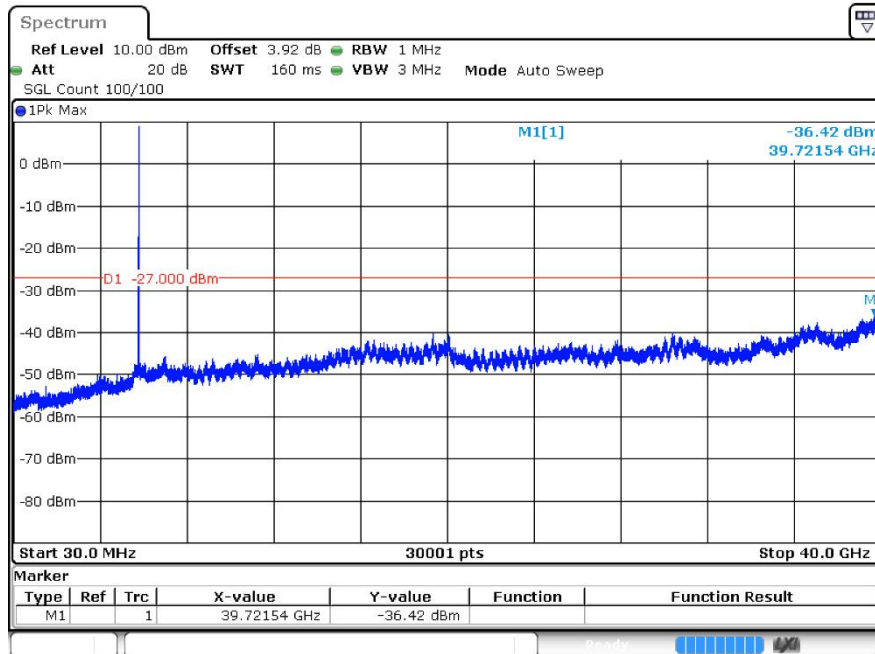
## Tx. Spurious a 5825MHz Ant1 Emission



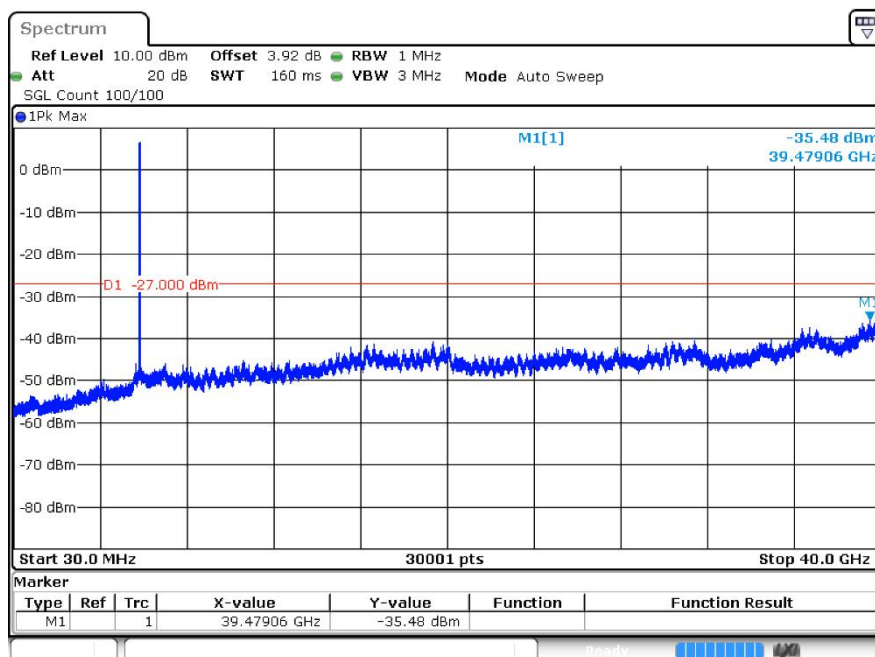
## Tx. Spurious n20 5745MHz Ant1 Emission



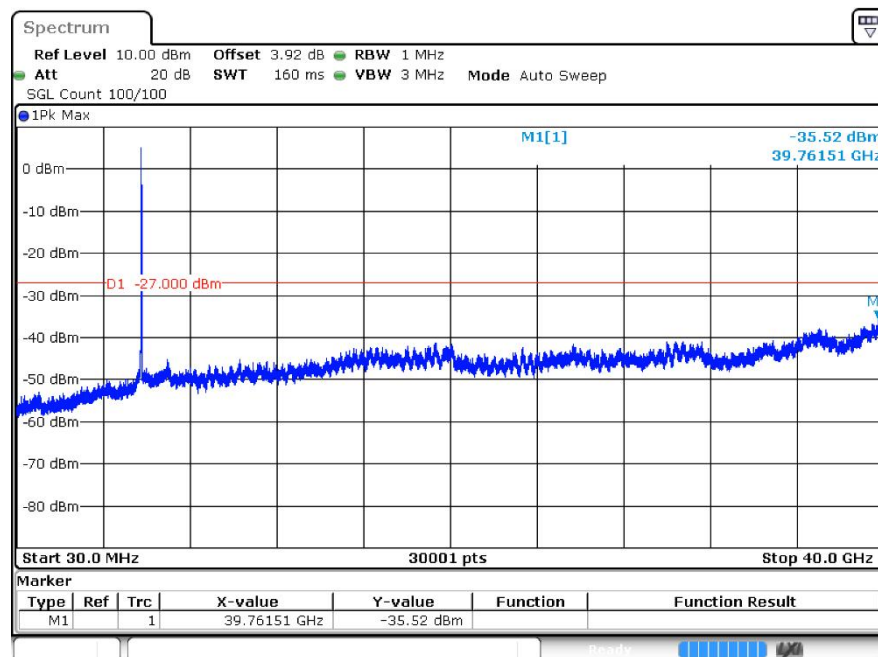
Tx. Spurious n20 5785MHz Ant1 Emission



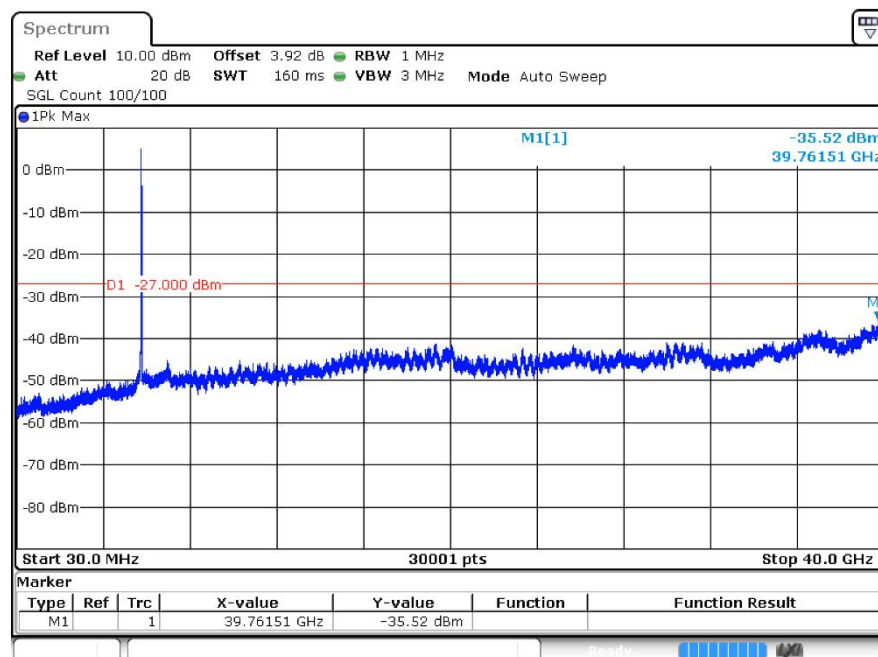
Tx. Spurious n20 5825MHz Ant1 Emission



## Tx. Spurious n40 5755MHz Ant1 Emission



## Tx. Spurious n40 5795MHz Ant1 Emission



## 8 Restrict Band

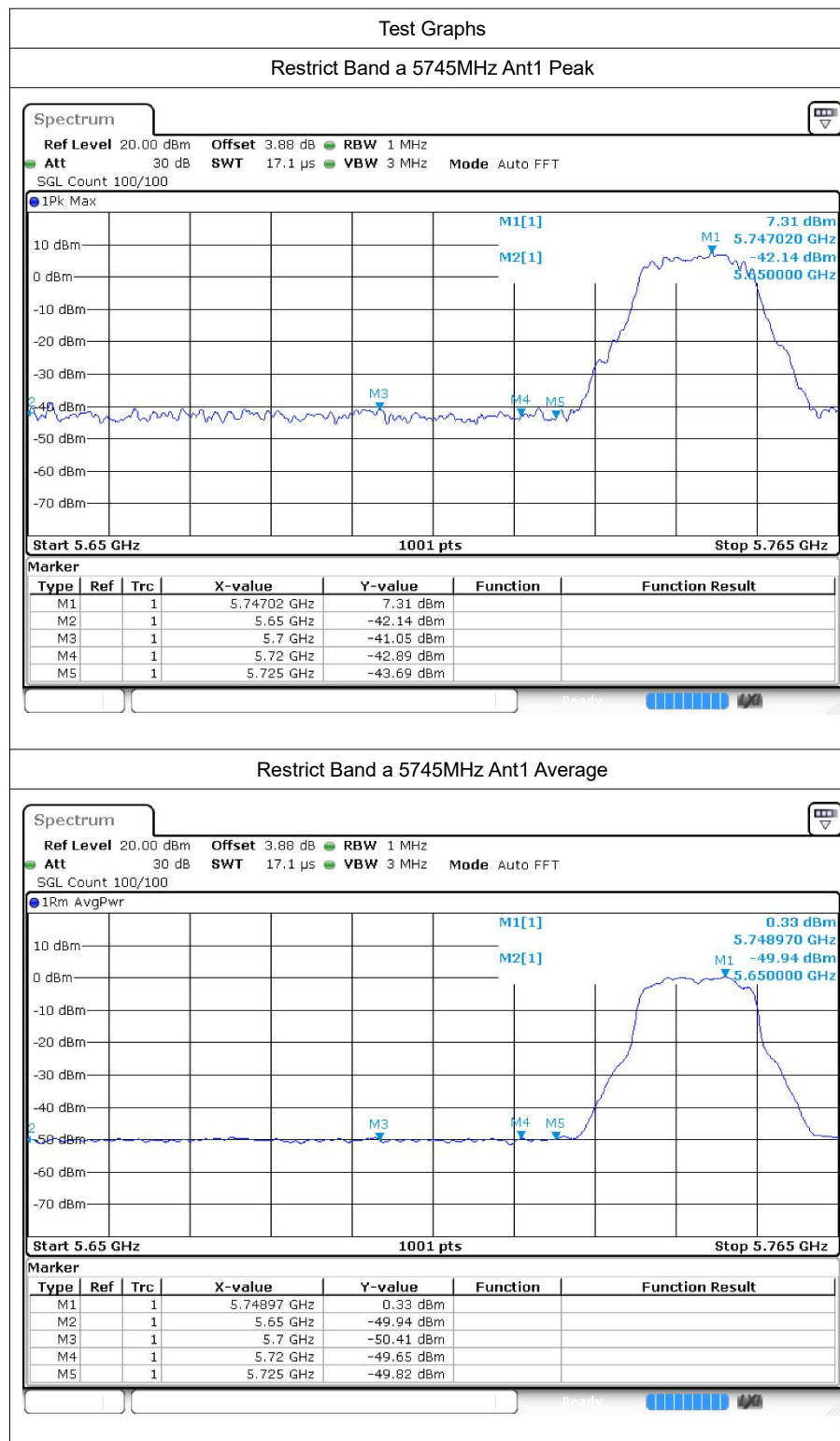
### 8.1 Test Result

| Mode | Frequency (MHz) | Antenna | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | Duty Factor | EIRP Power (dBm) | Detector | Limit (dBm) | Verdict |
|------|-----------------|---------|-----------------|-------------|------------|-------------|------------------|----------|-------------|---------|
| a    | 5745            | Ant1    | 5650            | -42.14      | 2.67       | -           | -39.47           | Peak     | -27         | Pass    |
| a    | 5745            | Ant1    | 5650            | -49.94      | 2.67       | 0.63        | -46.64           | Average  | -27         | Pass    |
| a    | 5745            | Ant1    | 5700            | -41.05      | 2.67       | -           | -38.38           | Peak     | 10          | Pass    |
| a    | 5745            | Ant1    | 5700            | -50.41      | 2.67       | 0.63        | -47.11           | Average  | 10          | Pass    |
| a    | 5745            | Ant1    | 5720            | -42.89      | 2.67       | -           | -40.22           | Peak     | 15.6        | Pass    |
| a    | 5745            | Ant1    | 5720            | -49.65      | 2.67       | 0.63        | -46.35           | Average  | 15.6        | Pass    |
| a    | 5745            | Ant1    | 5725            | -43.69      | 2.67       | -           | -41.02           | Peak     | 27          | Pass    |
| a    | 5745            | Ant1    | 5725            | -49.82      | 2.67       | 0.63        | -46.52           | Average  | 27          | Pass    |
| a    | 5825            | Ant1    | 5850            | -43.15      | 2.67       | -           | -40.48           | Peak     | 27          | Pass    |
| a    | 5825            | Ant1    | 5850            | -49.46      | 2.67       | 0.82        | -45.97           | Average  | 27          | Pass    |
| a    | 5825            | Ant1    | 5855            | -42.23      | 2.67       | -           | -39.56           | Peak     | 15.6        | Pass    |
| a    | 5825            | Ant1    | 5855            | -49.56      | 2.67       | 0.63        | -46.26           | Average  | 15.6        | Pass    |
| a    | 5825            | Ant1    | 5875            | -42.59      | 2.67       | -           | -39.92           | Peak     | 10          | Pass    |
| a    | 5825            | Ant1    | 5875            | -49.29      | 2.67       | 0.82        | -45.8            | Average  | 10          | Pass    |
| a    | 5825            | Ant1    | 5925            | -41.33      | 2.67       | -           | -38.66           | Peak     | -27         | Pass    |
| a    | 5825            | Ant1    | 5925            | -49.04      | 2.67       | 0.82        | -45.55           | Average  | -27         | Pass    |
| n20  | 5745            | Ant1    | 5650            | -41.69      | 2.67       | -           | -39.02           | Peak     | -27         | Pass    |
| n20  | 5745            | Ant1    | 5650            | -49.97      | 2.67       | 0.58        | -46.72           | Average  | -27         | Pass    |
| n20  | 5745            | Ant1    | 5700            | -43.04      | 2.67       | -           | -40.37           | Peak     | 10          | Pass    |
| n20  | 5745            | Ant1    | 5700            | -50.19      | 2.67       | 0.58        | -46.94           | Average  | 10          | Pass    |
| n20  | 5745            | Ant1    | 5720            | -43.65      | 2.67       | -           | -40.98           | Peak     | 15.6        | Pass    |
| n20  | 5745            | Ant1    | 5720            | -50.48      | 2.67       | 0.58        | -47.23           | Average  | 15.6        | Pass    |
| n20  | 5745            | Ant1    | 5725            | -43.17      | 2.67       | -           | -40.5            | Peak     | 27          | Pass    |
| n20  | 5745            | Ant1    | 5725            | -49.75      | 2.67       | 0.58        | -46.5            | Average  | 27          | Pass    |
| n20  | 5825            | Ant1    | 5850            | -42.77      | 2.67       | -           | -40.1            | Peak     | 27          | Pass    |
| n20  | 5825            | Ant1    | 5850            | -50.3       | 2.67       | 0.58        | -47.05           | Average  | 27          | Pass    |
| n20  | 5825            | Ant1    | 5855            | -43.22      | 2.67       | -           | -40.55           | Peak     | 15.6        | Pass    |
| n20  | 5825            | Ant1    | 5855            | -49.82      | 2.67       | 0.58        | -46.57           | Average  | 15.6        | Pass    |
| n20  | 5825            | Ant1    | 5875            | -41.25      | 2.67       | -           | -38.58           | Peak     | 10          | Pass    |
| n20  | 5825            | Ant1    | 5875            | -49.39      | 2.67       | 0.58        | -46.14           | Average  | 10          | Pass    |
| n20  | 5825            | Ant1    | 5925            | -43.12      | 2.67       | -           | -40.45           | Peak     | -27         | Pass    |
| n20  | 5825            | Ant1    | 5925            | -49.38      | 2.67       | 0.58        | -46.13           | Average  | -27         | Pass    |
| n40  | 5755            | Ant1    | 5650            | -42.48      | 2.67       | -           | -39.81           | Peak     | -27         | Pass    |

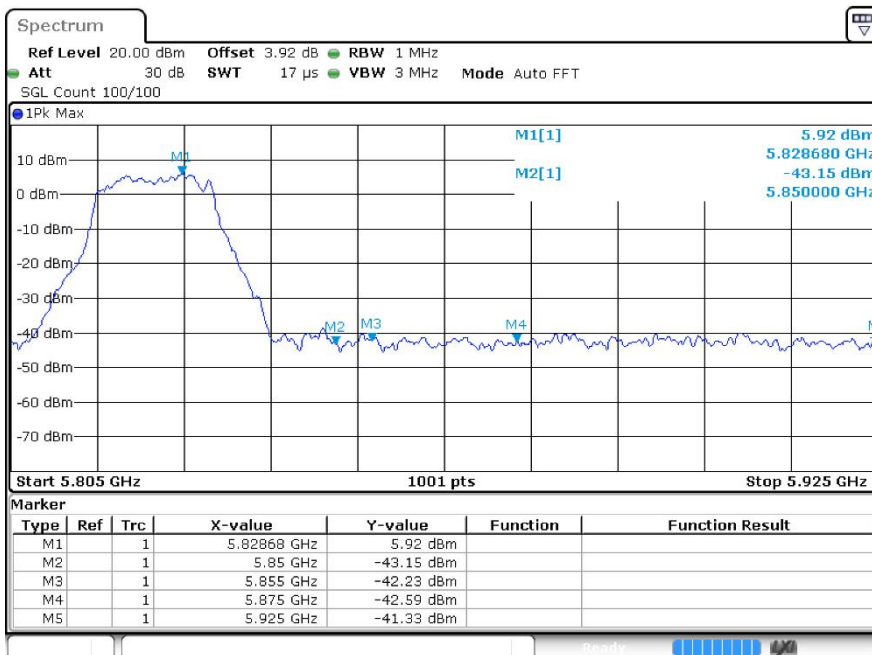


|     |      |      |      |        |      |      |        |         |      |      |
|-----|------|------|------|--------|------|------|--------|---------|------|------|
| n40 | 5755 | Ant1 | 5650 | -50.15 | 2.67 | 0.55 | -46.93 | Average | -27  | Pass |
| n40 | 5755 | Ant1 | 5700 | -42.54 | 2.67 | -    | -39.87 | Peak    | 10   | Pass |
| n40 | 5755 | Ant1 | 5700 | -50.03 | 2.67 | 0.55 | -46.81 | Average | 10   | Pass |
| n40 | 5755 | Ant1 | 5720 | -41.73 | 2.67 | -    | -39.06 | Peak    | 15.6 | Pass |
| n40 | 5755 | Ant1 | 5720 | -49.02 | 2.67 | 0.55 | -45.8  | Average | 15.6 | Pass |
| n40 | 5755 | Ant1 | 5725 | -39.75 | 2.67 | -    | -37.08 | Peak    | 27   | Pass |
| n40 | 5755 | Ant1 | 5725 | -48.61 | 2.67 | 0.55 | -45.39 | Average | 27   | Pass |
| n40 | 5795 | Ant1 | 5850 | -42.53 | 2.67 | -    | -39.86 | Peak    | 27   | Pass |
| n40 | 5795 | Ant1 | 5850 | -50.32 | 2.67 | 0.56 | -47.09 | Average | 27   | Pass |
| n40 | 5795 | Ant1 | 5855 | -44.08 | 2.67 | -    | -41.41 | Peak    | 15.6 | Pass |
| n40 | 5795 | Ant1 | 5855 | -49.54 | 2.67 | 0.56 | -46.31 | Average | 15.6 | Pass |
| n40 | 5795 | Ant1 | 5875 | -42.79 | 2.67 | -    | -40.12 | Peak    | 10   | Pass |
| n40 | 5795 | Ant1 | 5875 | -49.17 | 2.67 | 0.56 | -45.94 | Average | 10   | Pass |
| n40 | 5795 | Ant1 | 5925 | -43.35 | 2.67 | -    | -40.68 | Peak    | -27  | Pass |
| n40 | 5795 | Ant1 | 5925 | -50.02 | 2.67 | 0.56 | -46.79 | Average | -27  | Pass |

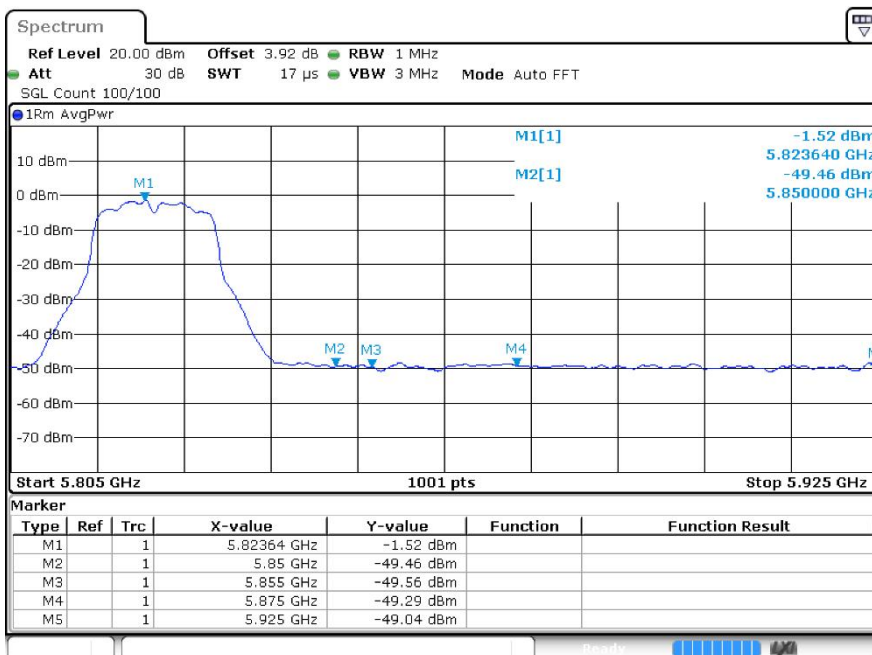
## 8.2 Test Graphs



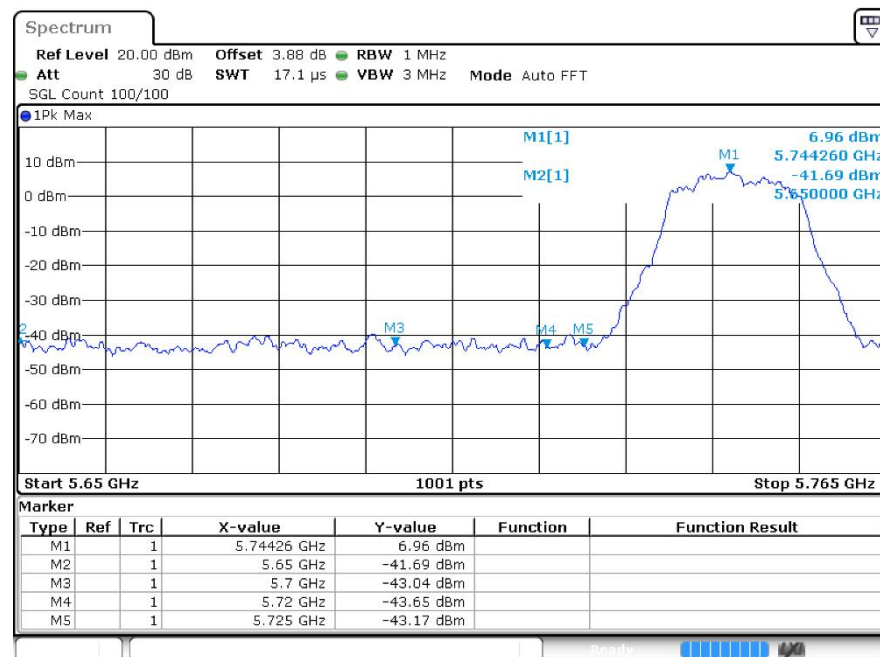
## Restrict Band a 5825MHz Ant1 Peak



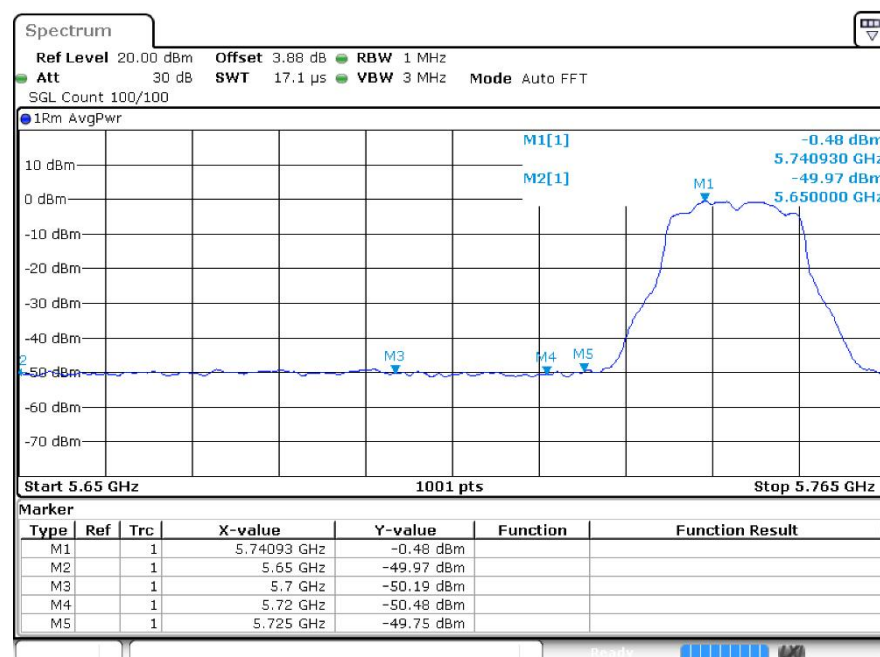
## Restrict Band a 5825MHz Ant1 Average



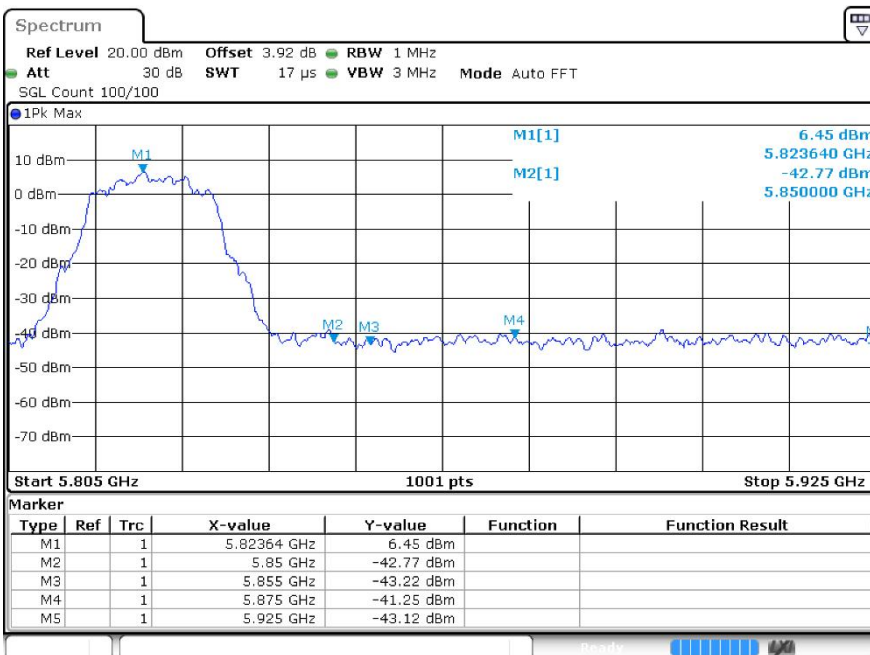
## Restrict Band n20 5745MHz Ant1 Peak



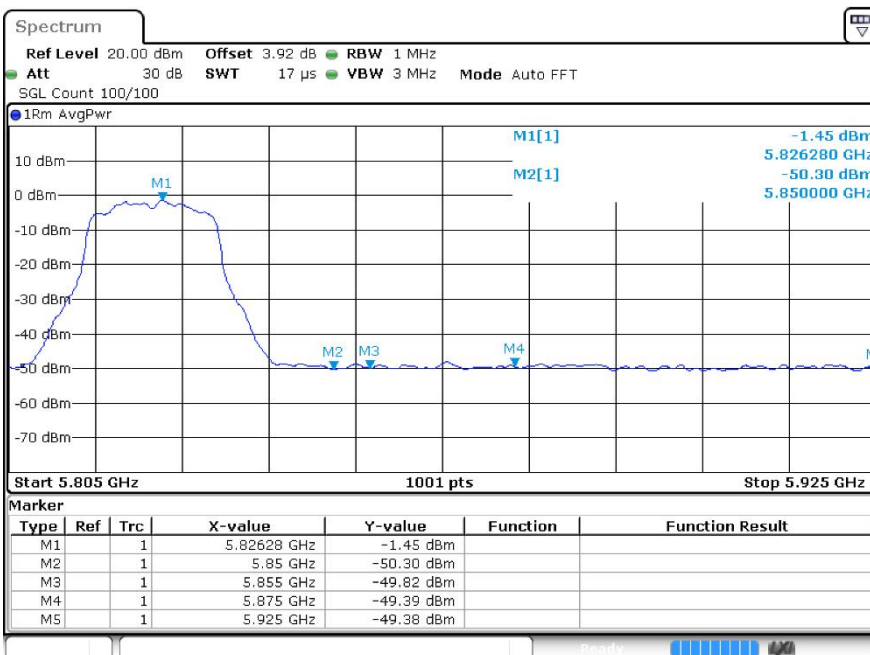
## Restrict Band n20 5745MHz Ant1 Average



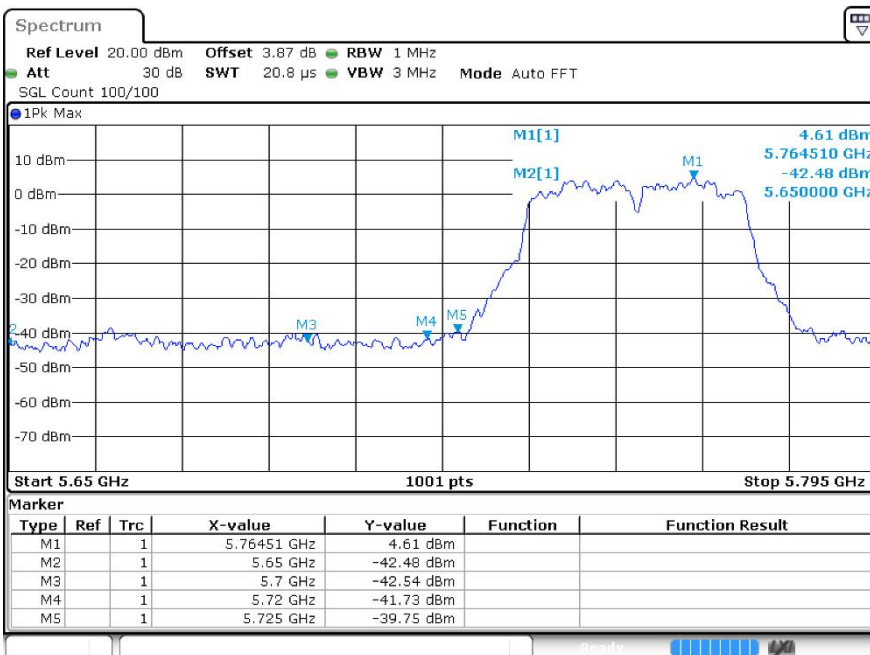
## Restrict Band n20 5825MHz Ant1 Peak



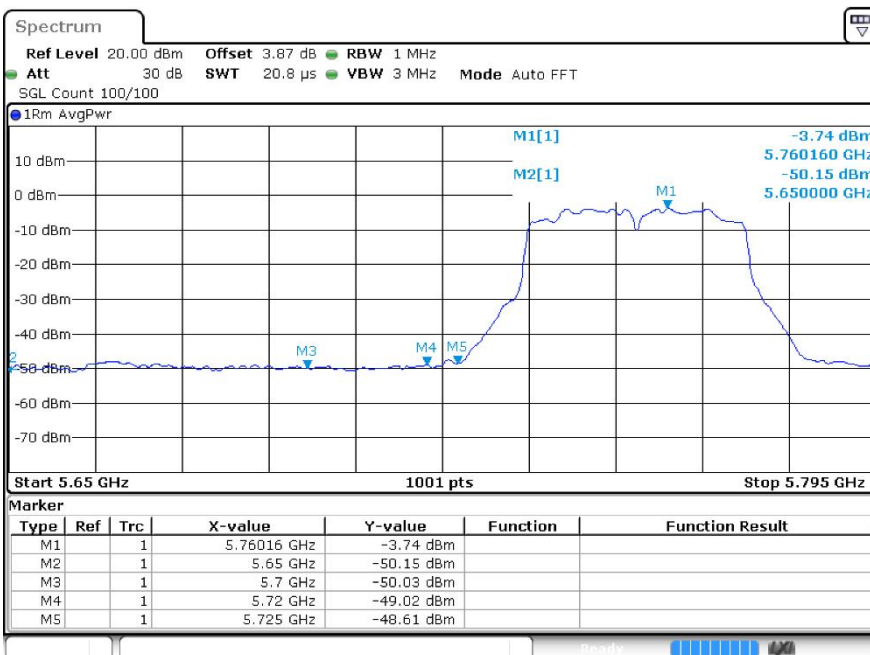
## Restrict Band n20 5825MHz Ant1 Average



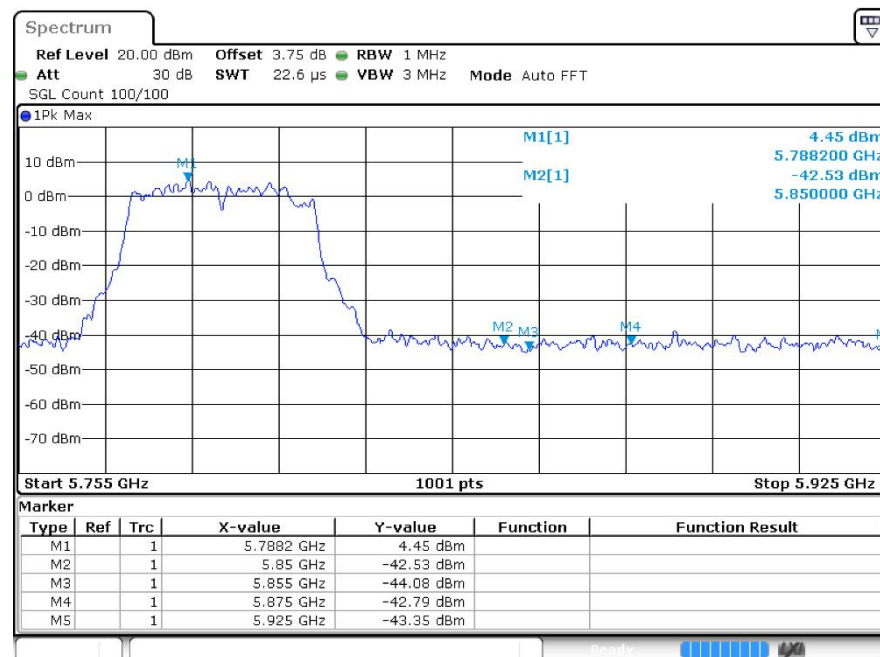
## Restrict Band n40 5755MHz Ant1 Peak



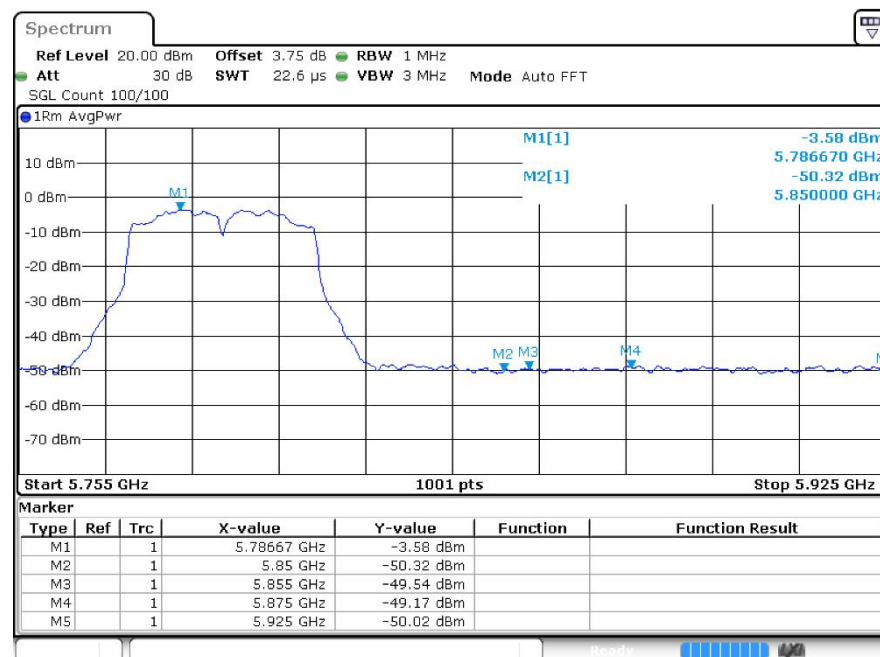
## Restrict Band n40 5755MHz Ant1 Average



## Restrict Band n40 5795MHz Ant1 Peak



## Restrict Band n40 5795MHz Ant1 Average



---The End---