



## Appendix E

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

Product Name: Mini PC

Trade Mark: Blackview

Test Model: MP200

#### Environmental Conditions

|                    |             |
|--------------------|-------------|
| Temperature:       | 25.8° C     |
| Relative Humidity: | 52.5%       |
| ATM Pressure:      | 100.0 kPa   |
| Test Engineer:     | Simba Huang |
| Supervised by:     | Seal Chen   |



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# 1 Duty Cycle

## 1.1 Test Result

| Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|------|-----------------|---------|----------------|------------------------|-----------|
| a    | 5745            | Ant1    | 87.02          | 0.6                    | 4.76      |
| a    | 5785            | Ant1    | 87.07          | 0.6                    | 4.55      |
| a    | 5825            | Ant1    | 86.99          | 0.61                   | 4.76      |
| a    | 5745            | Ant2    | 87             | 0.6                    | 4.55      |
| a    | 5785            | Ant2    | 87.1           | 0.6                    | 4.76      |
| a    | 5825            | Ant2    | 86.96          | 0.61                   | 4.76      |
| n20  | 5745            | Ant1    | 92.95          | 0.32                   | 2.22      |
| n20  | 5785            | Ant1    | 92.79          | 0.32                   | 2.22      |
| n20  | 5825            | Ant1    | 92.9           | 0.32                   | 2.22      |
| n20  | 5745            | Ant2    | 93.06          | 0.31                   | 2.22      |
| n20  | 5785            | Ant2    | 93.01          | 0.31                   | 2.22      |
| n20  | 5825            | Ant2    | 92.87          | 0.32                   | 2.22      |
| n40  | 5755            | Ant1    | 92.93          | 0.32                   | 2.22      |
| n40  | 5795            | Ant1    | 92.9           | 0.32                   | 2.22      |
| n40  | 5755            | Ant2    | 91.27          | 0.4                    | 2.33      |
| n40  | 5795            | Ant2    | 91.31          | 0.39                   | 2.27      |
| ac20 | 5745            | Ant1    | 87.14          | 0.6                    | 4.55      |
| ac20 | 5785            | Ant1    | 87.15          | 0.6                    | 4.55      |
| ac20 | 5825            | Ant1    | 86.96          | 0.61                   | 4.55      |
| ac20 | 5745            | Ant2    | 87.17          | 0.6                    | 4.55      |
| ac20 | 5785            | Ant2    | 87.24          | 0.59                   | 4.55      |
| ac20 | 5825            | Ant2    | 87.22          | 0.59                   | 4.35      |
| ac40 | 5755            | Ant1    | 87.25          | 0.59                   | 4.35      |
| ac40 | 5795            | Ant1    | 87.32          | 0.59                   | 4.35      |
| ac40 | 5755            | Ant2    | 84.27          | 0.74                   | 4.55      |
| ac40 | 5795            | Ant2    | 84.37          | 0.74                   | 4.55      |
| ac80 | 5775            | Ant1    | 87.01          | 0.6                    | 4.35      |
| ac80 | 5775            | Ant2    | 83.91          | 0.76                   | 4.35      |
| ax20 | 5745            | Ant1    | 87.12          | 0.6                    | 4.35      |
| ax20 | 5785            | Ant1    | 87.09          | 0.6                    | 4.35      |
| ax20 | 5825            | Ant1    | 87.08          | 0.6                    | 4.35      |
| ax20 | 5745            | Ant2    | 87.13          | 0.6                    | 4.35      |
| ax20 | 5785            | Ant2    | 87.14          | 0.6                    | 4.35      |
| ax20 | 5825            | Ant2    | 87.1           | 0.6                    | 4.35      |
| ax40 | 5755            | Ant1    | 87.56          | 0.58                   | 4.17      |
| ax40 | 5795            | Ant1    | 87.51          | 0.58                   | 4.17      |
| ax40 | 5755            | Ant2    | 84.76          | 0.72                   | 4.17      |



|      |      |      |       |      |      |
|------|------|------|-------|------|------|
| ax40 | 5795 | Ant2 | 84.7  | 0.72 | 4.35 |
| ax80 | 5775 | Ant1 | 85.38 | 0.69 | 4.55 |
| ax80 | 5775 | Ant2 | 81.49 | 0.89 | 4.76 |

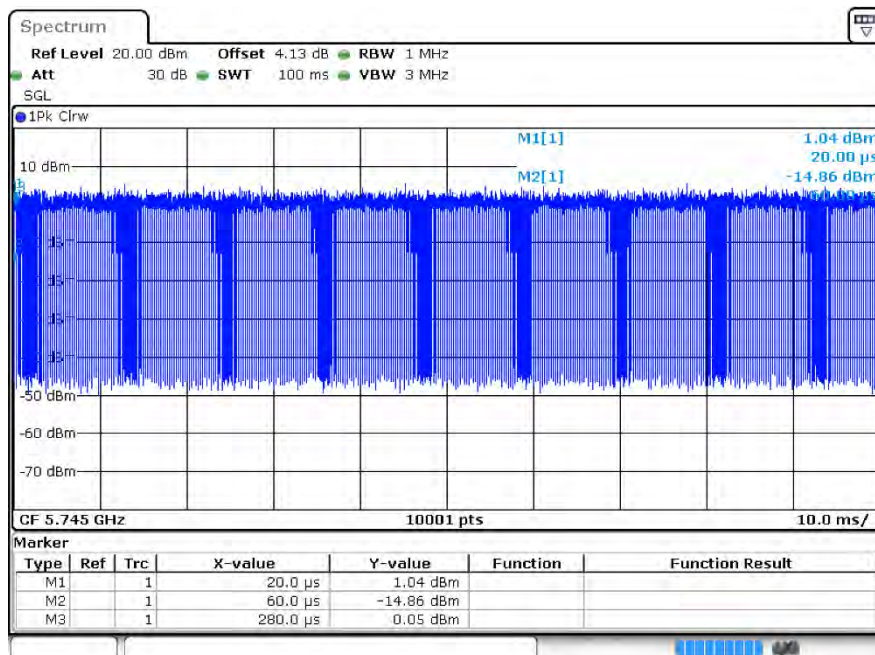
## 1.2 Test Graphs



## Duty Cycle a 5825MHz Ant1



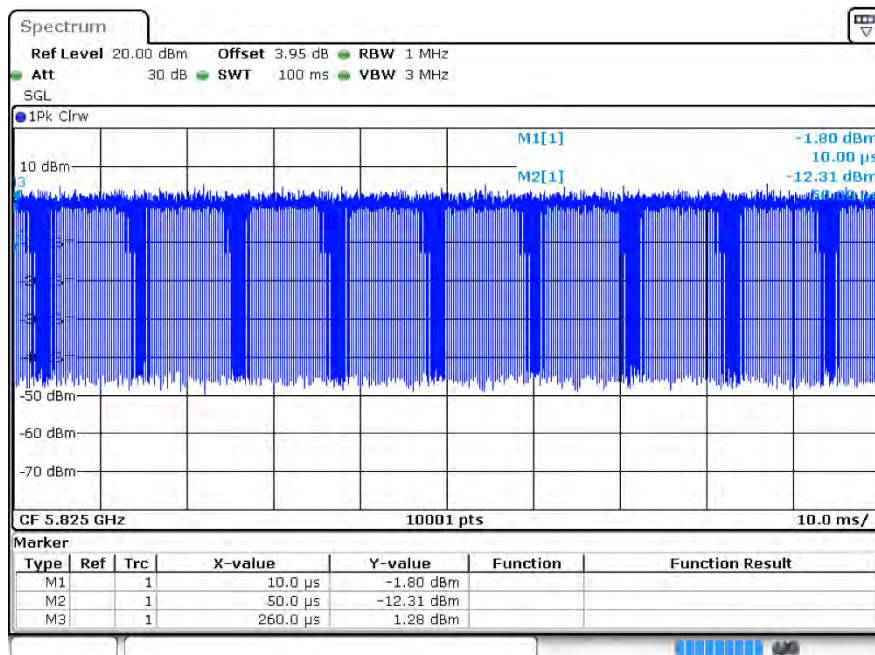
## Duty Cycle a 5745MHz Ant2



## Duty Cycle a 5785MHz Ant2

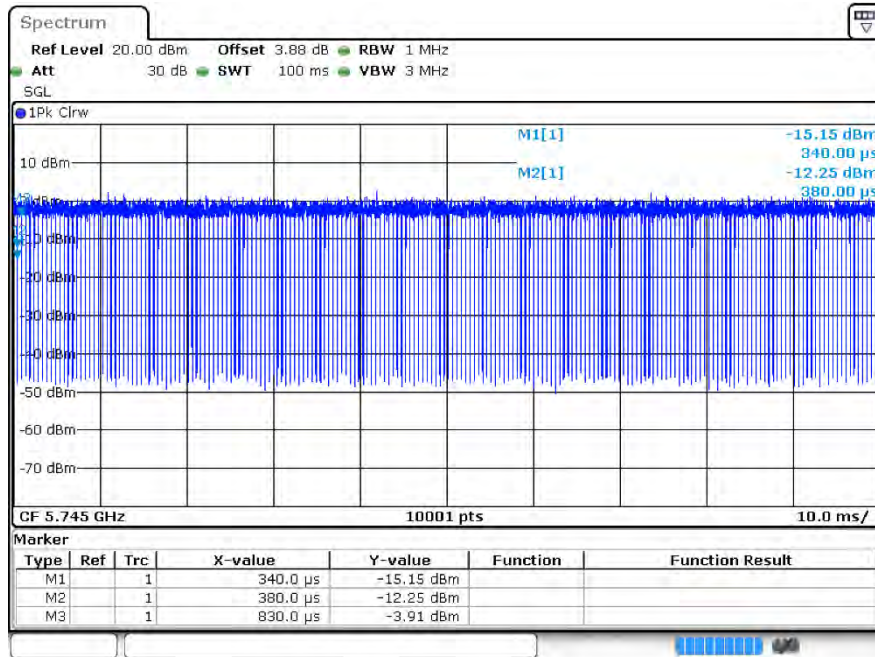


## Duty Cycle a 5825MHz Ant2

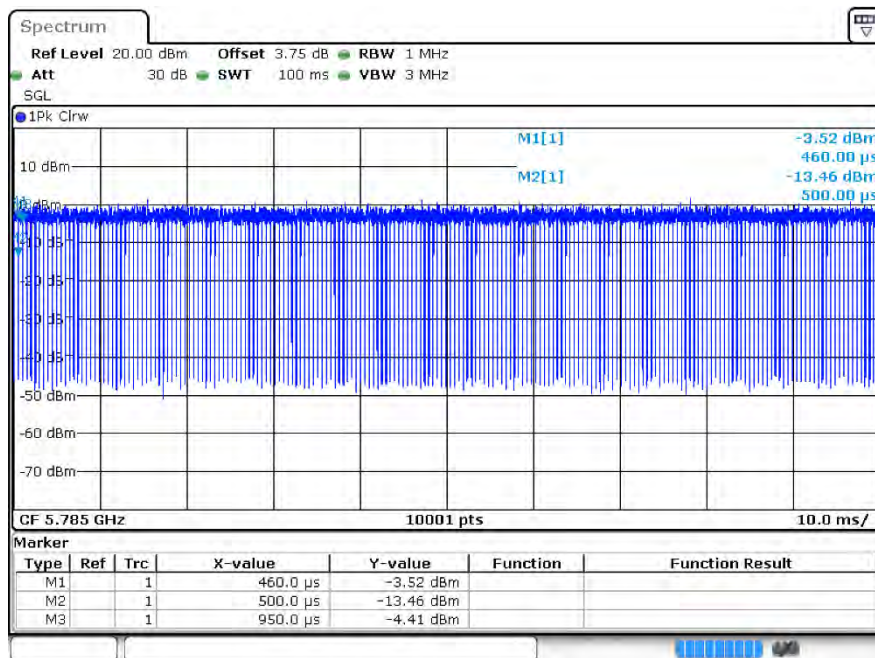




## Duty Cycle n20 5745MHz Ant1

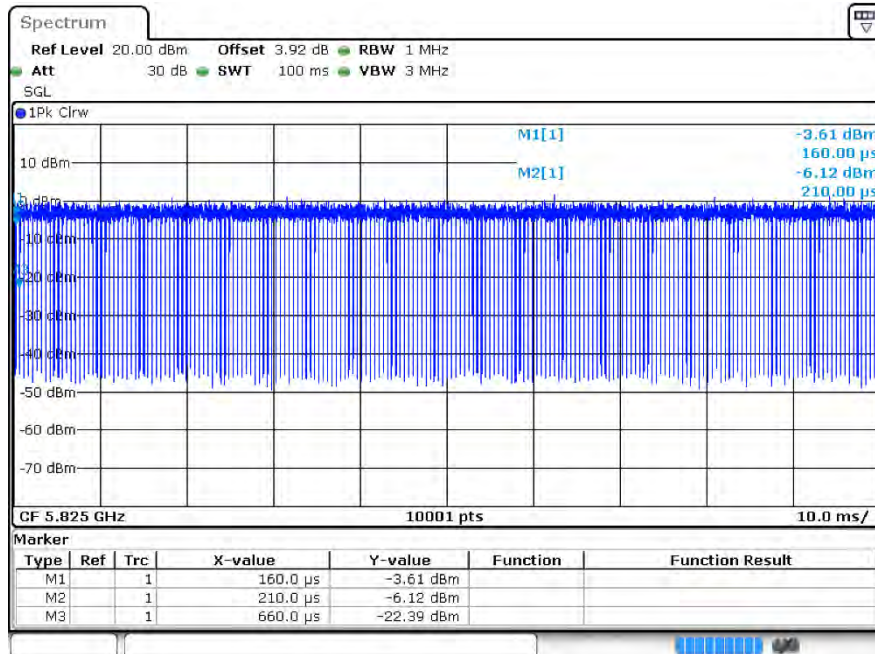


## Duty Cycle n20 5785MHz Ant1

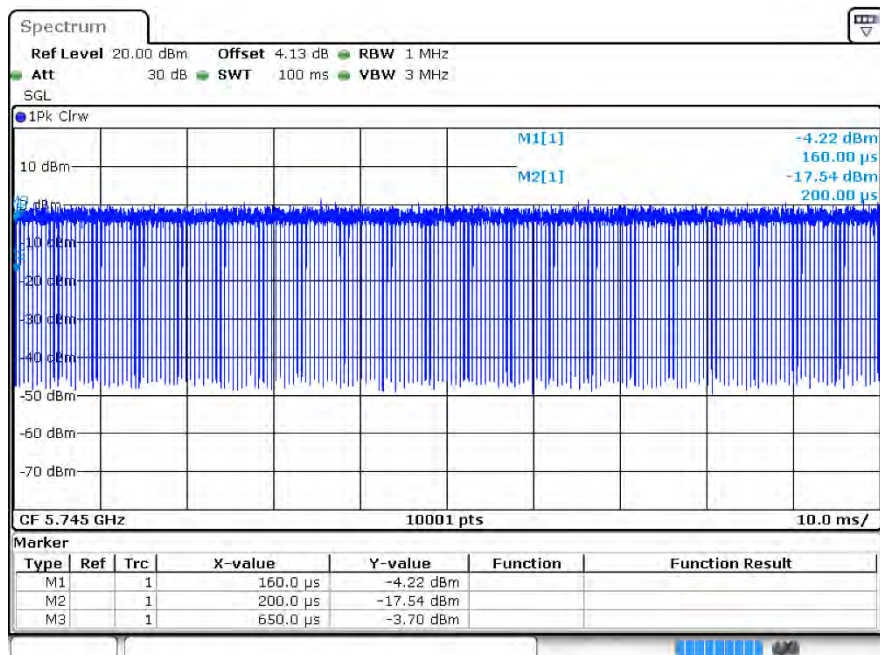




## Duty Cycle n20 5825MHz Ant1



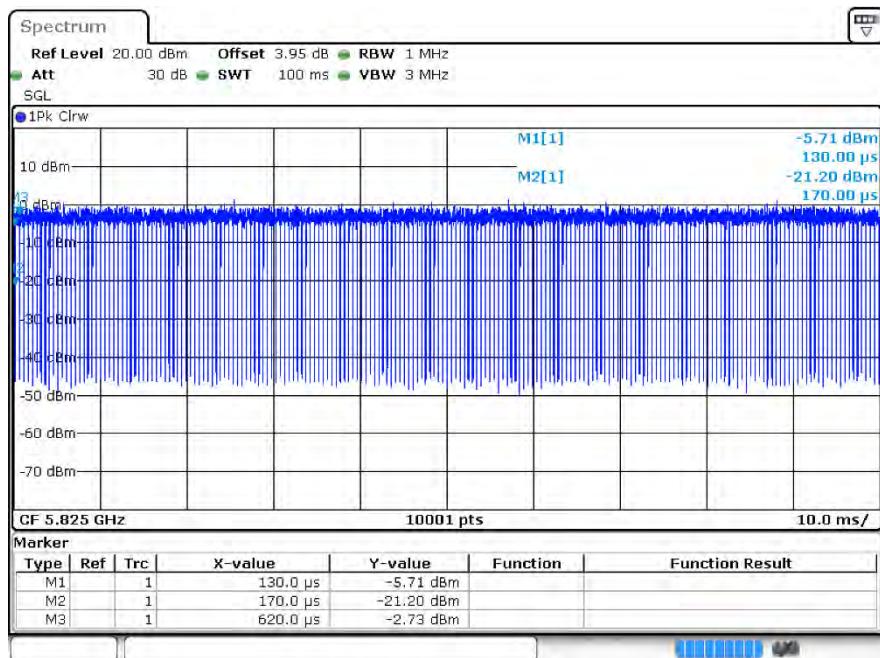
## Duty Cycle n20 5745MHz Ant2



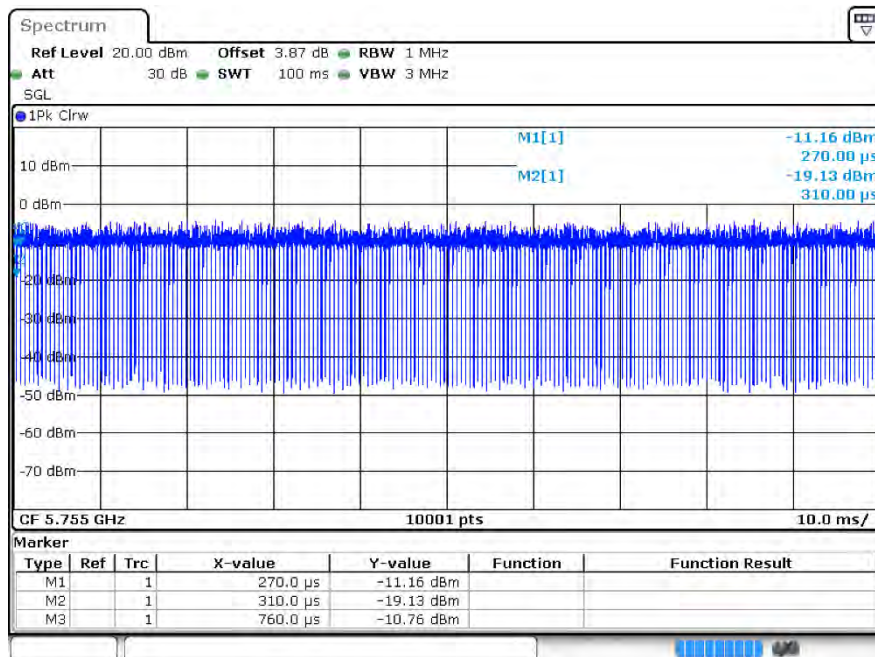
## Duty Cycle n20 5785MHz Ant2



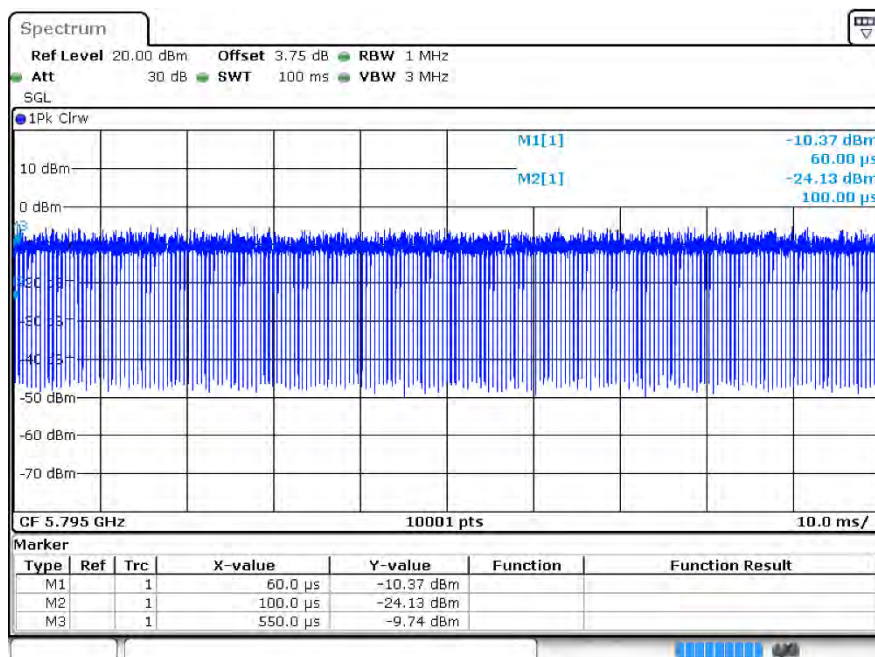
## Duty Cycle n20 5825MHz Ant2



## Duty Cycle n40 5755MHz Ant1

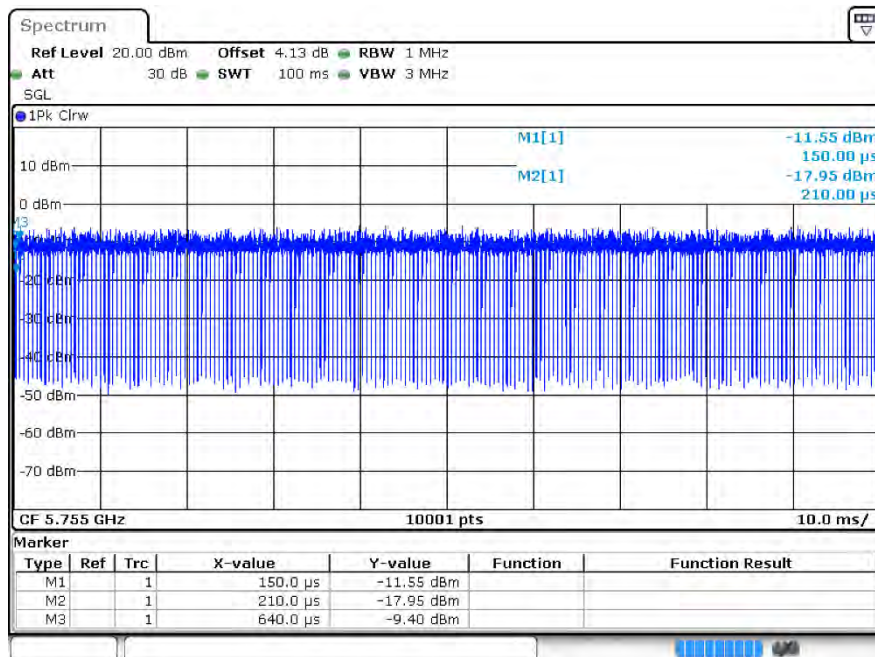


## Duty Cycle n40 5795MHz Ant1

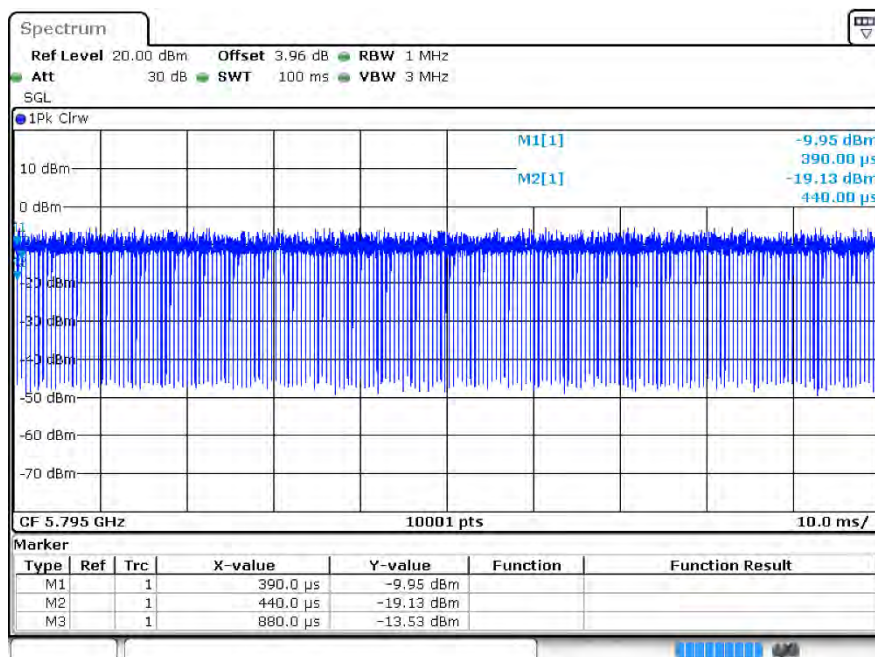




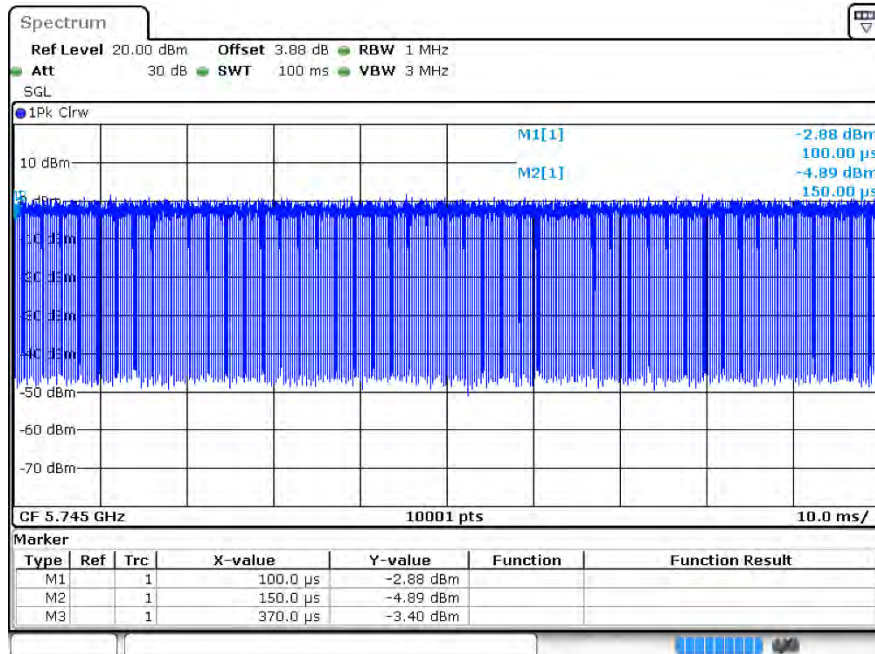
## Duty Cycle n40 5755MHz Ant2



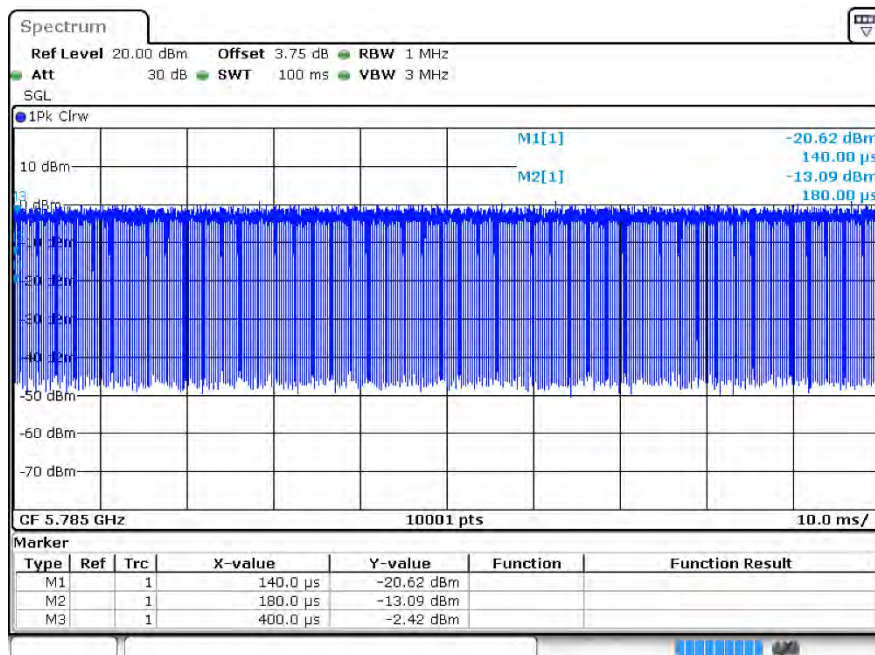
## Duty Cycle n40 5795MHz Ant2



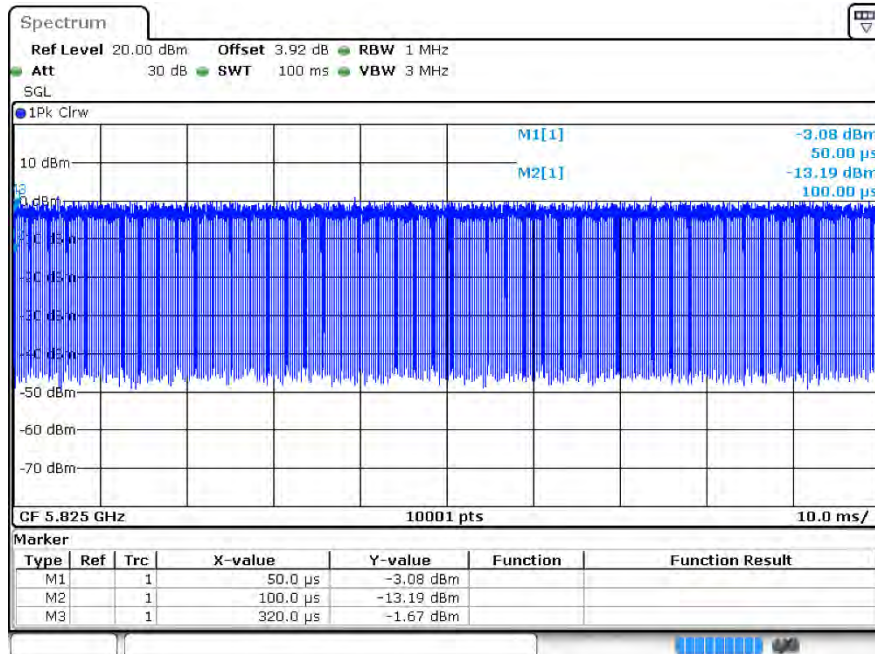
## Duty Cycle ac20 5745MHz Ant1



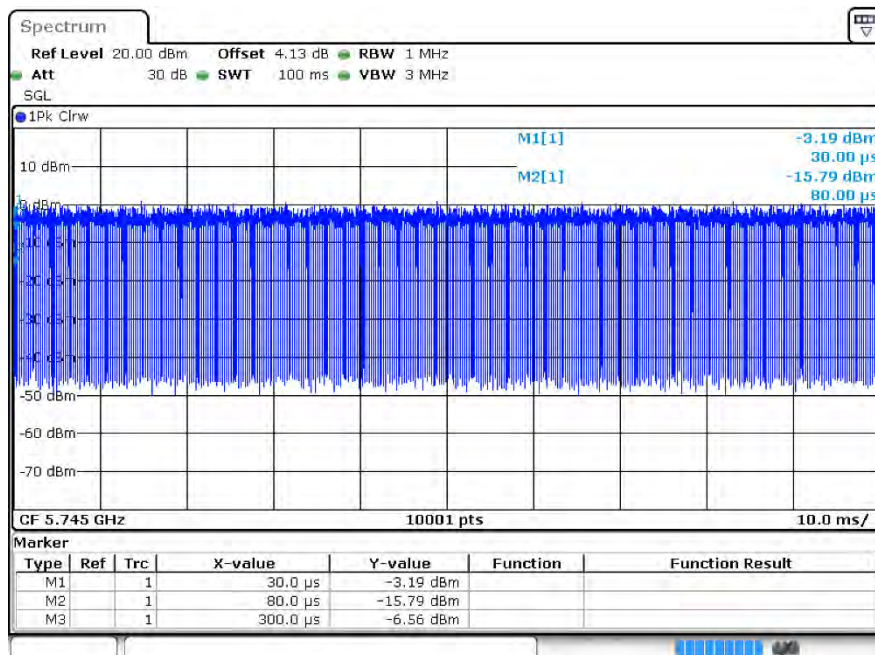
## Duty Cycle ac20 5785MHz Ant1



## Duty Cycle ac20 5825MHz Ant1

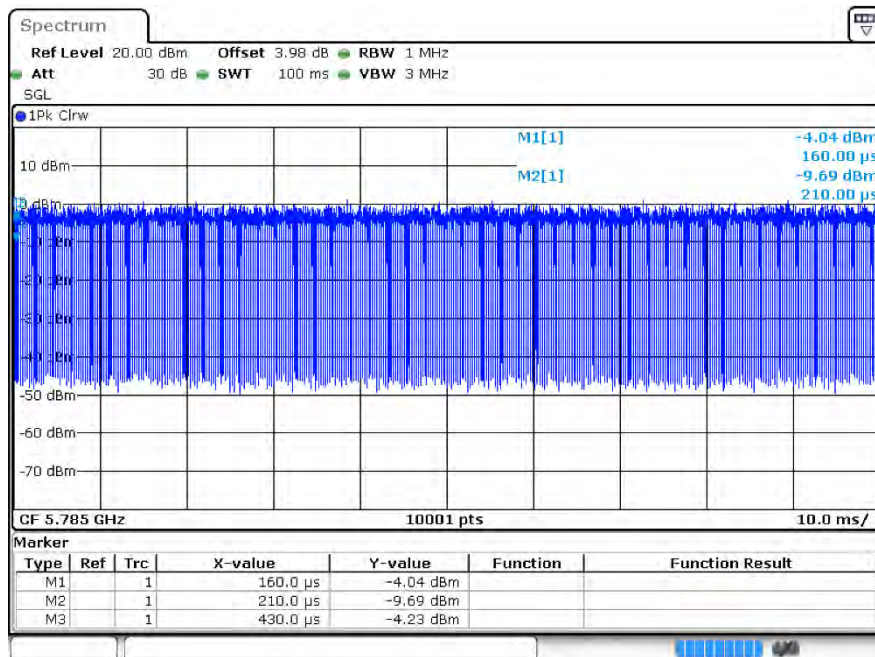


## Duty Cycle ac20 5745MHz Ant2

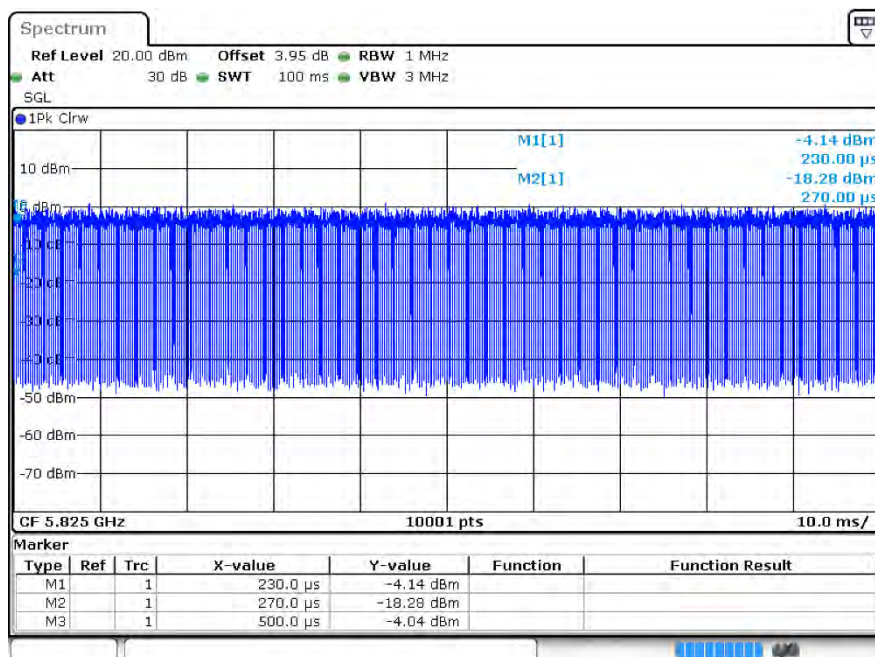




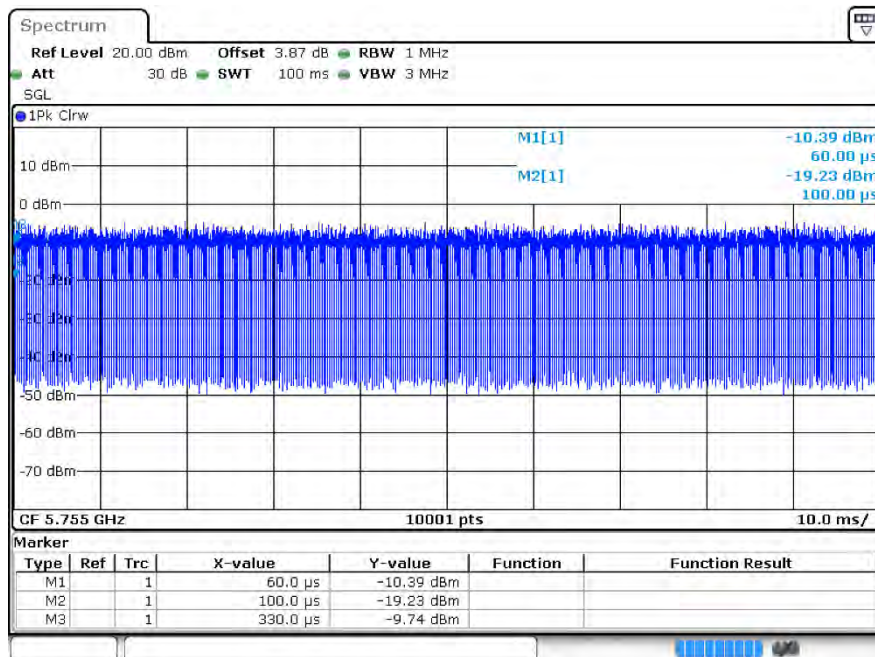
## Duty Cycle ac20 5785MHz Ant2



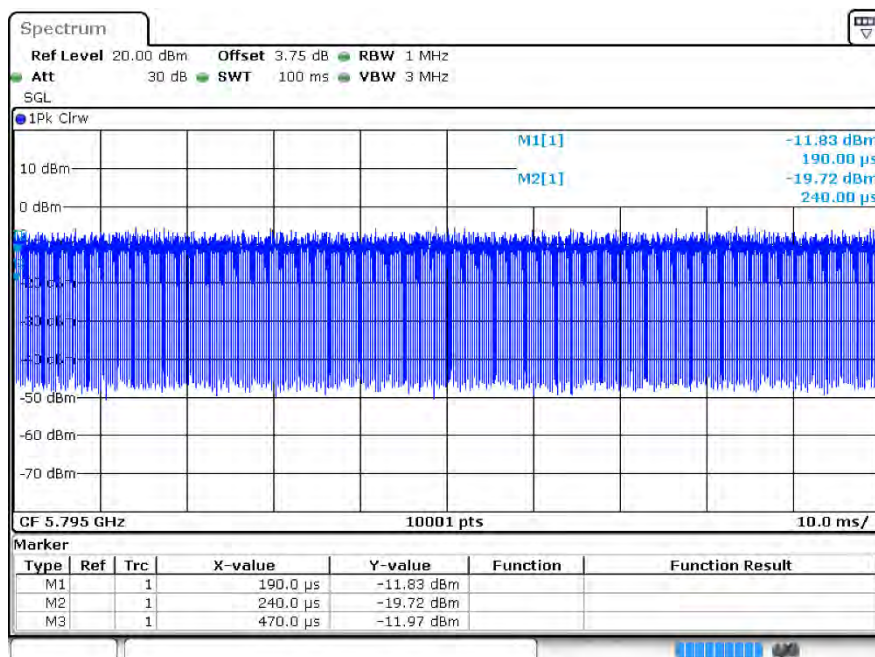
## Duty Cycle ac20 5825MHz Ant2



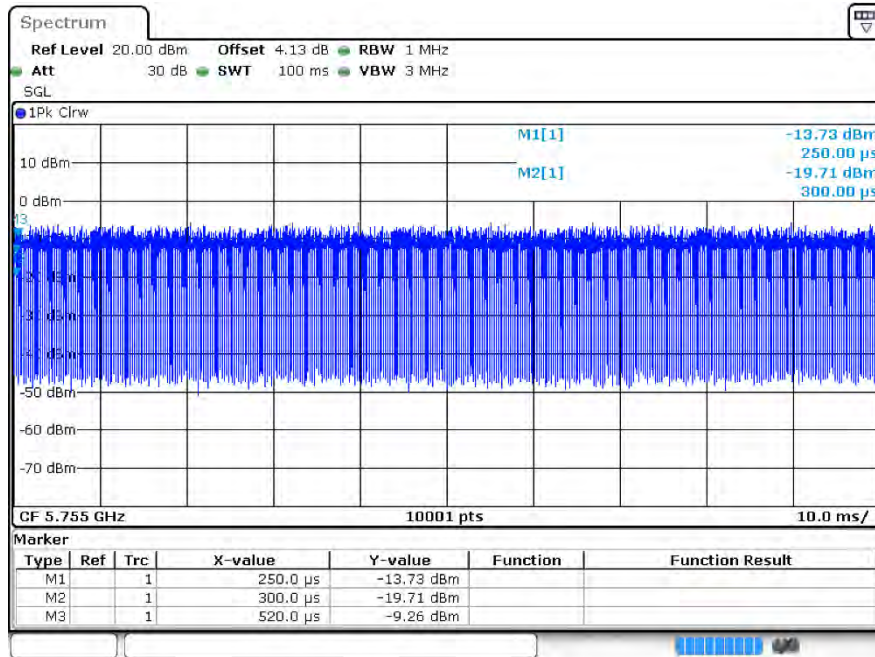
## Duty Cycle ac40 5755MHz Ant1



## Duty Cycle ac40 5795MHz Ant1



## Duty Cycle ac40 5755MHz Ant2

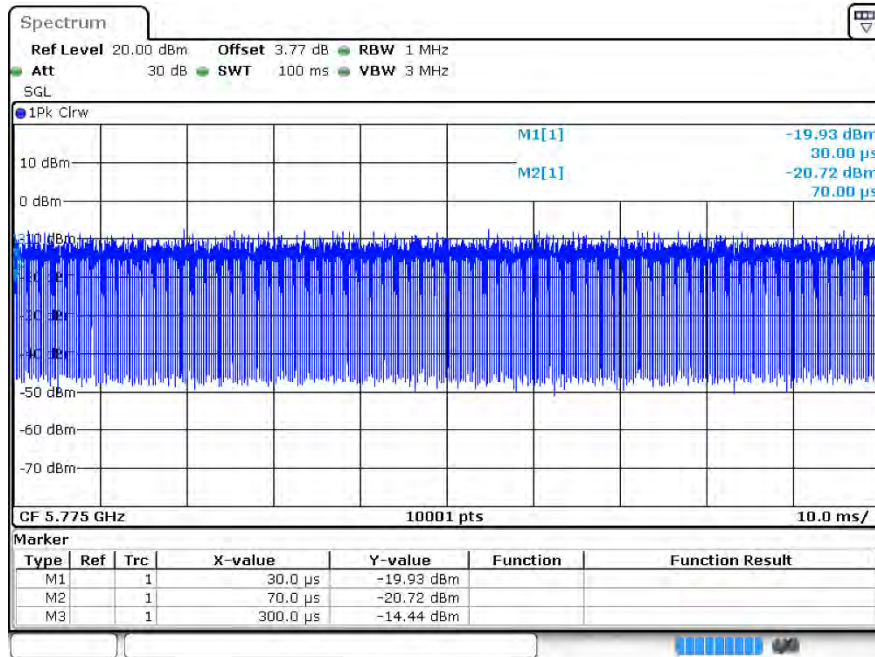


## Duty Cycle ac40 5795MHz Ant2

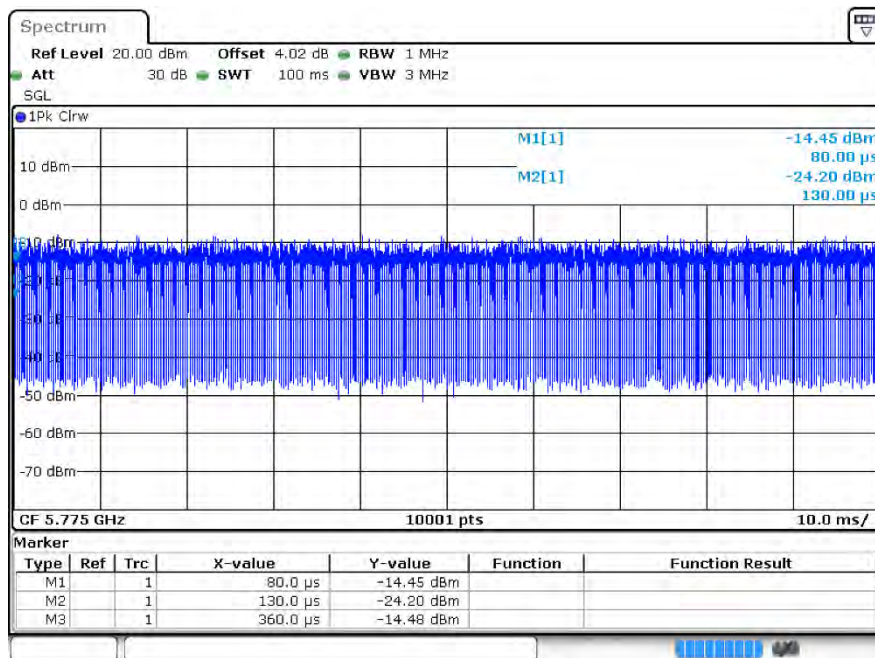




## Duty Cycle ac80 5775MHz Ant1

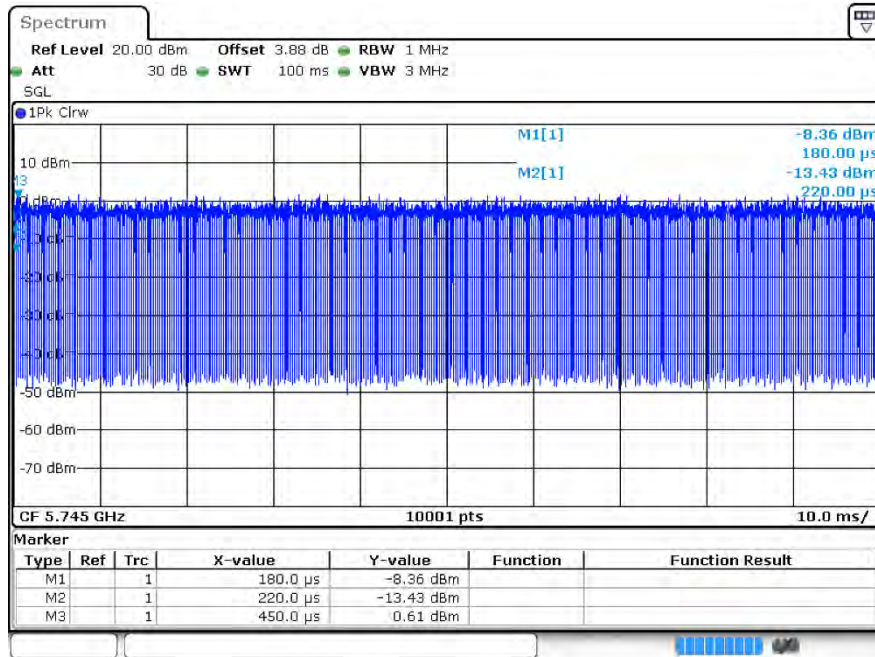


## Duty Cycle ac80 5775MHz Ant2

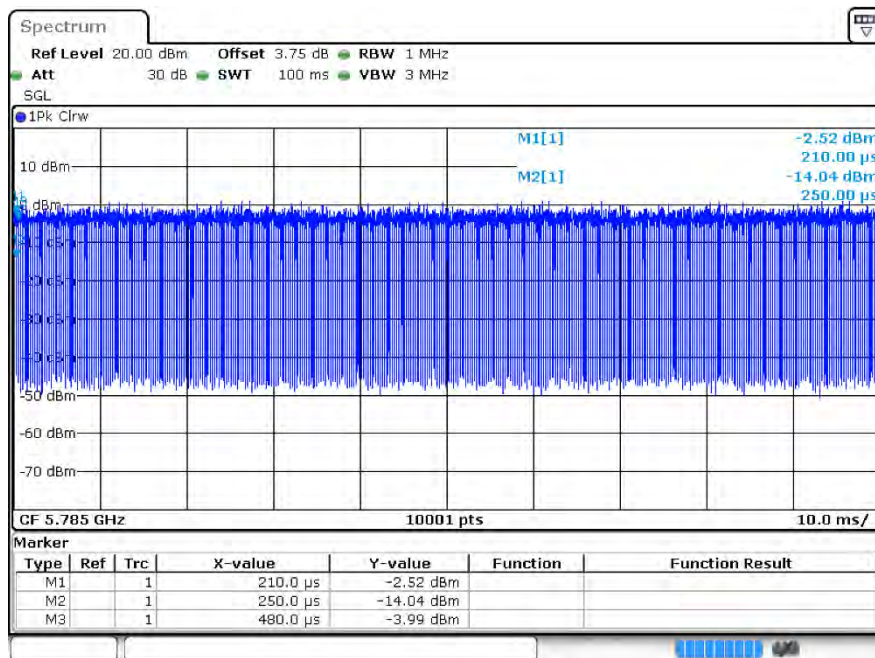




## Duty Cycle ax20 5745MHz Ant1



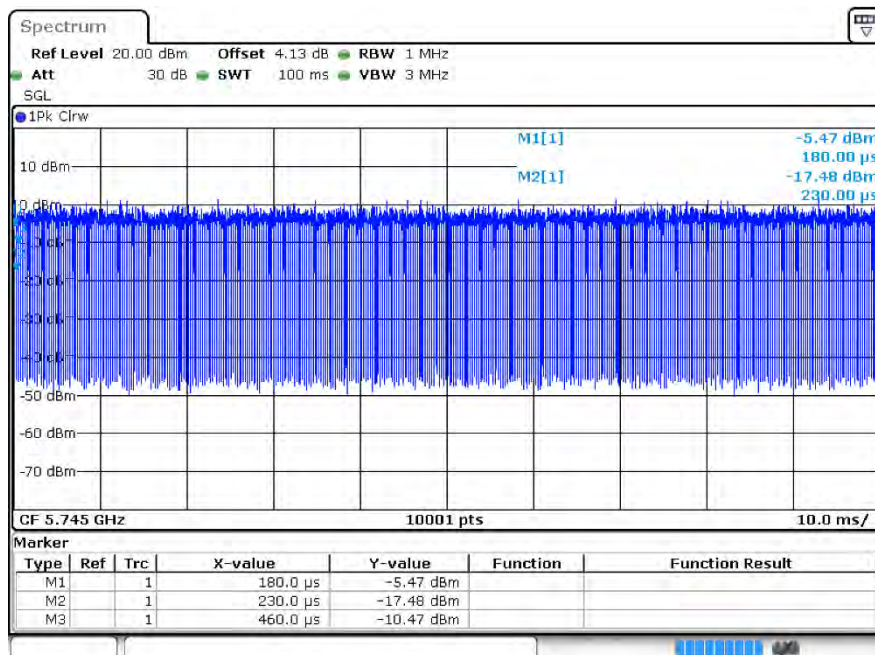
## Duty Cycle ax20 5785MHz Ant1



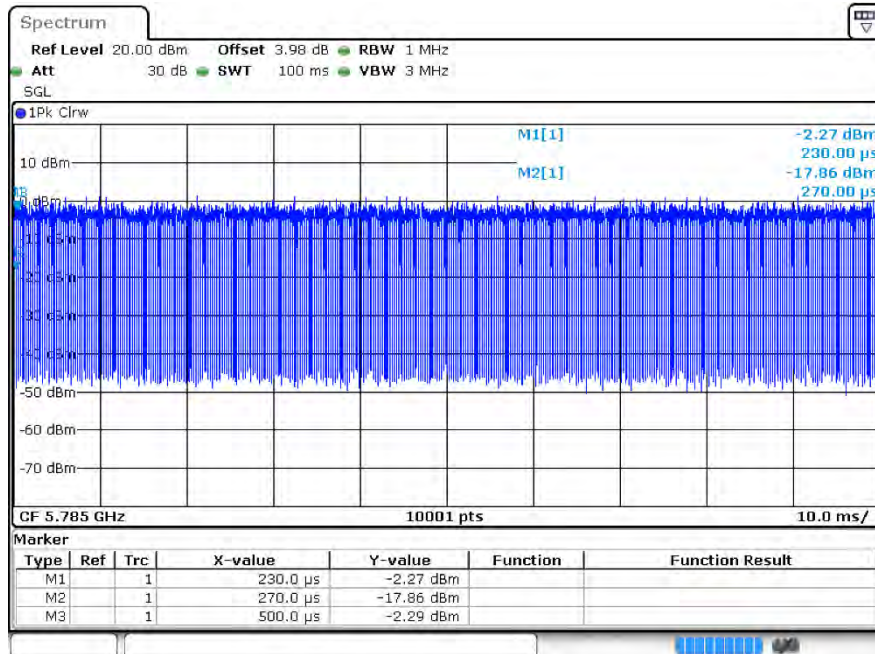
## Duty Cycle ax20 5825MHz Ant1



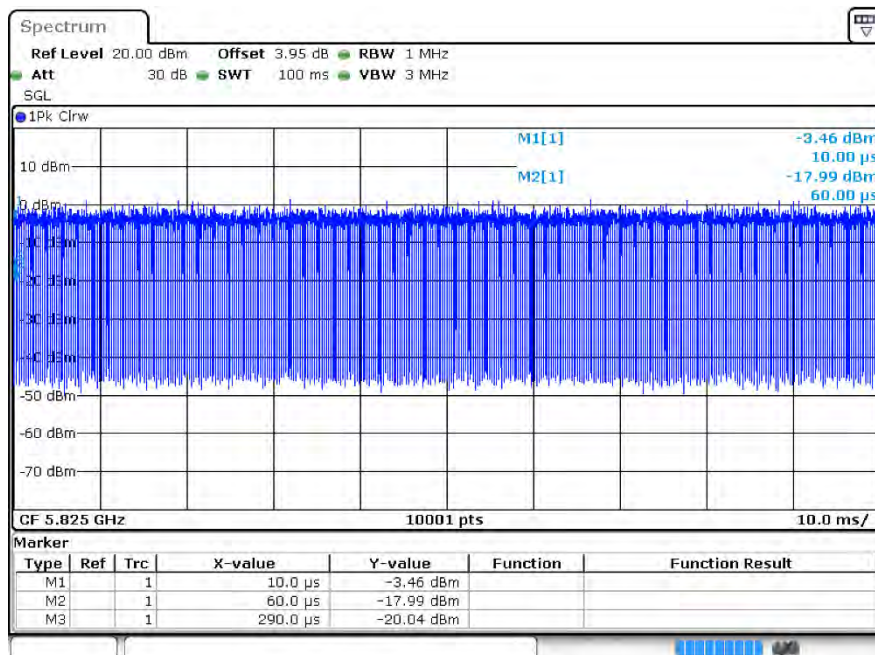
## Duty Cycle ax20 5745MHz Ant2



## Duty Cycle ax20 5785MHz Ant2

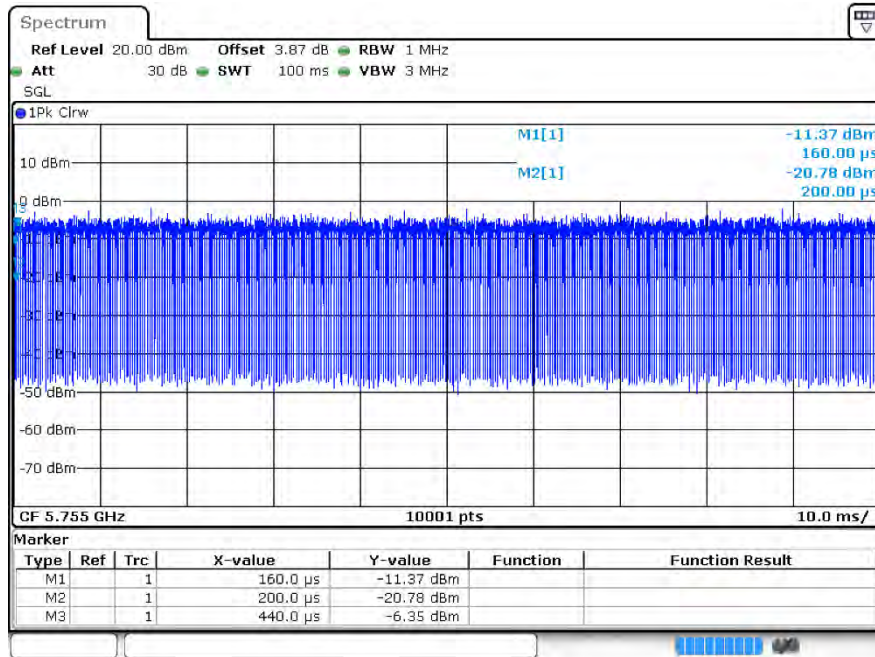


## Duty Cycle ax20 5825MHz Ant2

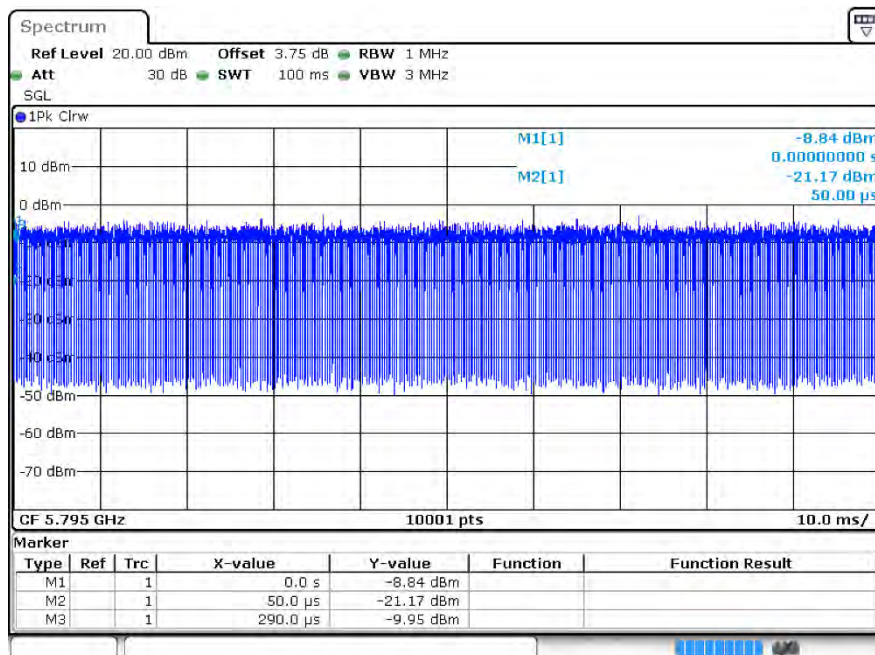




## Duty Cycle ax40 5755MHz Ant1

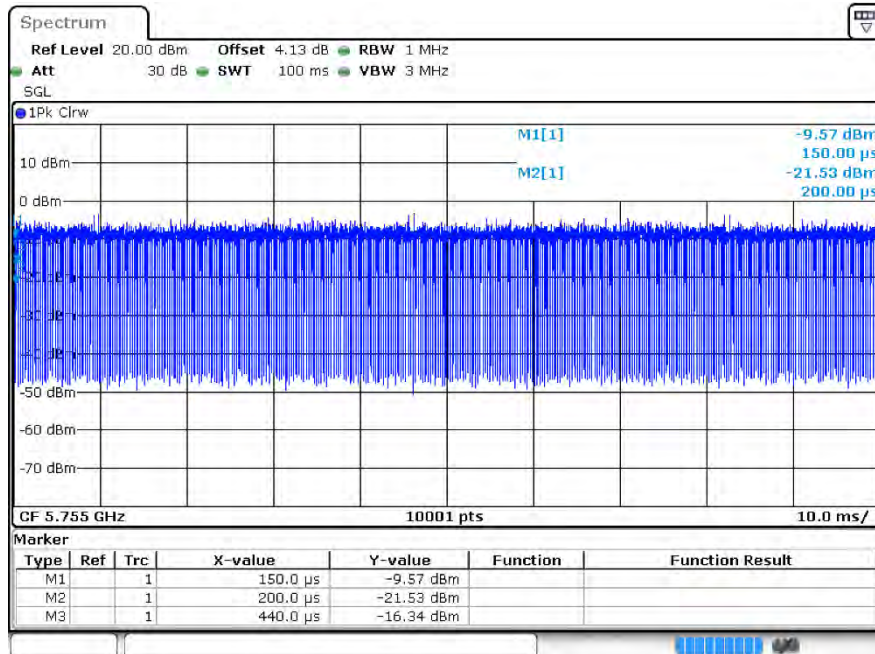


## Duty Cycle ax40 5795MHz Ant1

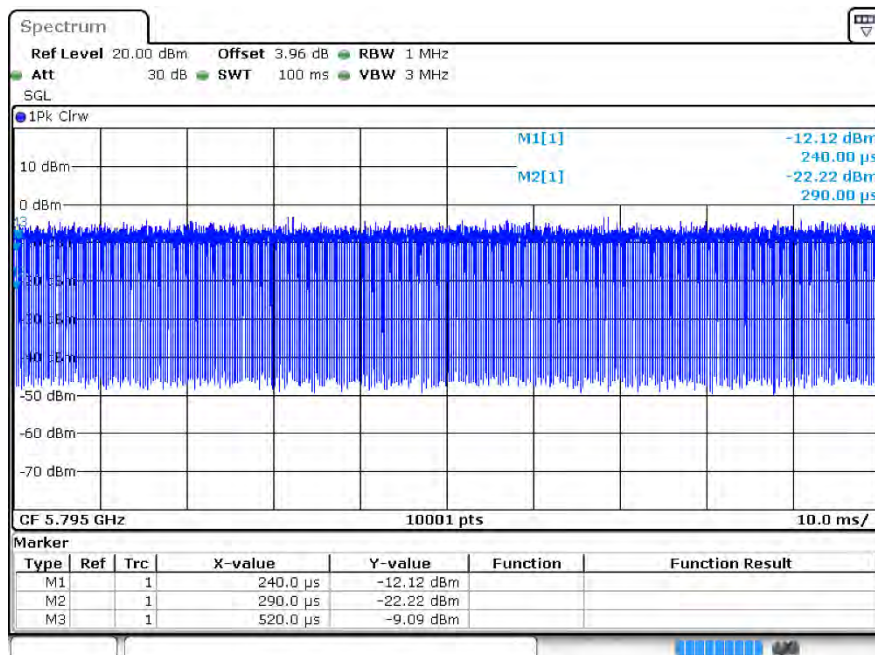




## Duty Cycle ax40 5755MHz Ant2



## Duty Cycle ax40 5795MHz Ant2



## 2 Maximum Conducted Output Power

### 2.1 Test Result

| Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|------|-----------------|---------|-----------------------|-------------|---------|
| a    | 5745            | Ant1    | 11.47                 | 30          | Pass    |
| a    | 5785            | Ant1    | 10.81                 | 30          | Pass    |
| a    | 5825            | Ant1    | 10.77                 | 30          | Pass    |
| a    | 5745            | Ant2    | 11.35                 | 30          | Pass    |
| a    | 5785            | Ant2    | 11.41                 | 30          | Pass    |
| a    | 5825            | Ant2    | 11.29                 | 30          | Pass    |
| n20  | 5745            | Ant1    | 8.39                  | 30          | Pass    |
| n20  | 5745            | Ant2    | 7.53                  | 30          | Pass    |
| n20  | 5745            | Sum     | 10.99                 | 30          | Pass    |
| n20  | 5785            | Ant1    | 7.64                  | 30          | Pass    |
| n20  | 5785            | Ant2    | 7.54                  | 30          | Pass    |
| n20  | 5785            | Sum     | 10.6                  | 30          | Pass    |
| n20  | 5825            | Ant1    | 7.5                   | 30          | Pass    |
| n20  | 5825            | Ant2    | 7.45                  | 30          | Pass    |
| n20  | 5825            | Sum     | 10.49                 | 30          | Pass    |
| n40  | 5755            | Ant1    | 7.96                  | 30          | Pass    |
| n40  | 5755            | Ant2    | 6.93                  | 30          | Pass    |
| n40  | 5755            | Sum     | 10.49                 | 30          | Pass    |
| n40  | 5795            | Ant1    | 6.91                  | 30          | Pass    |
| n40  | 5795            | Ant2    | 7.16                  | 30          | Pass    |
| n40  | 5795            | Sum     | 10.05                 | 30          | Pass    |
| ac20 | 5745            | Ant1    | 8.25                  | 30          | Pass    |
| ac20 | 5745            | Ant2    | 7.92                  | 30          | Pass    |
| ac20 | 5745            | Sum     | 11.1                  | 30          | Pass    |
| ac20 | 5785            | Ant1    | 7.47                  | 30          | Pass    |
| ac20 | 5785            | Ant2    | 7.98                  | 30          | Pass    |
| ac20 | 5785            | Sum     | 10.74                 | 30          | Pass    |
| ac20 | 5825            | Ant1    | 7.65                  | 30          | Pass    |
| ac20 | 5825            | Ant2    | 7.58                  | 30          | Pass    |
| ac20 | 5825            | Sum     | 10.63                 | 30          | Pass    |
| ac40 | 5755            | Ant1    | 7.76                  | 30          | Pass    |
| ac40 | 5755            | Ant2    | 7.22                  | 30          | Pass    |
| ac40 | 5755            | Sum     | 10.51                 | 30          | Pass    |
| ac40 | 5795            | Ant1    | 6.99                  | 30          | Pass    |
| ac40 | 5795            | Ant2    | 7                     | 30          | Pass    |
| ac40 | 5795            | Sum     | 10.01                 | 30          | Pass    |



|      |      |      |       |    |      |
|------|------|------|-------|----|------|
| ac80 | 5775 | Ant1 | 7.28  | 30 | Pass |
| ac80 | 5775 | Ant2 | 6.92  | 30 | Pass |
| ac80 | 5775 | Sum  | 10.11 | 30 | Pass |
| ax20 | 5745 | Ant1 | 8.42  | 30 | Pass |
| ax20 | 5745 | Ant2 | 7.45  | 30 | Pass |
| ax20 | 5745 | Sum  | 10.97 | 30 | Pass |
| ax20 | 5785 | Ant1 | 7.56  | 30 | Pass |
| ax20 | 5785 | Ant2 | 7.42  | 30 | Pass |
| ax20 | 5785 | Sum  | 10.5  | 30 | Pass |
| ax20 | 5825 | Ant1 | 7.59  | 30 | Pass |
| ax20 | 5825 | Ant2 | 7.32  | 30 | Pass |
| ax20 | 5825 | Sum  | 10.47 | 30 | Pass |
| ax40 | 5755 | Ant1 | 8.02  | 30 | Pass |
| ax40 | 5755 | Ant2 | 6.79  | 30 | Pass |
| ax40 | 5755 | Sum  | 10.46 | 30 | Pass |
| ax40 | 5795 | Ant1 | 7.13  | 30 | Pass |
| ax40 | 5795 | Ant2 | 6.82  | 30 | Pass |
| ax40 | 5795 | Sum  | 9.99  | 30 | Pass |
| ax80 | 5775 | Ant1 | 7.17  | 30 | Pass |
| ax80 | 5775 | Ant2 | 6.39  | 30 | Pass |
| ax80 | 5775 | Sum  | 9.81  | 30 | Pass |

Note:

The duty factor has been compensated into the result.



### 3 -6dB Bandwidth

#### 3.1 Test Result

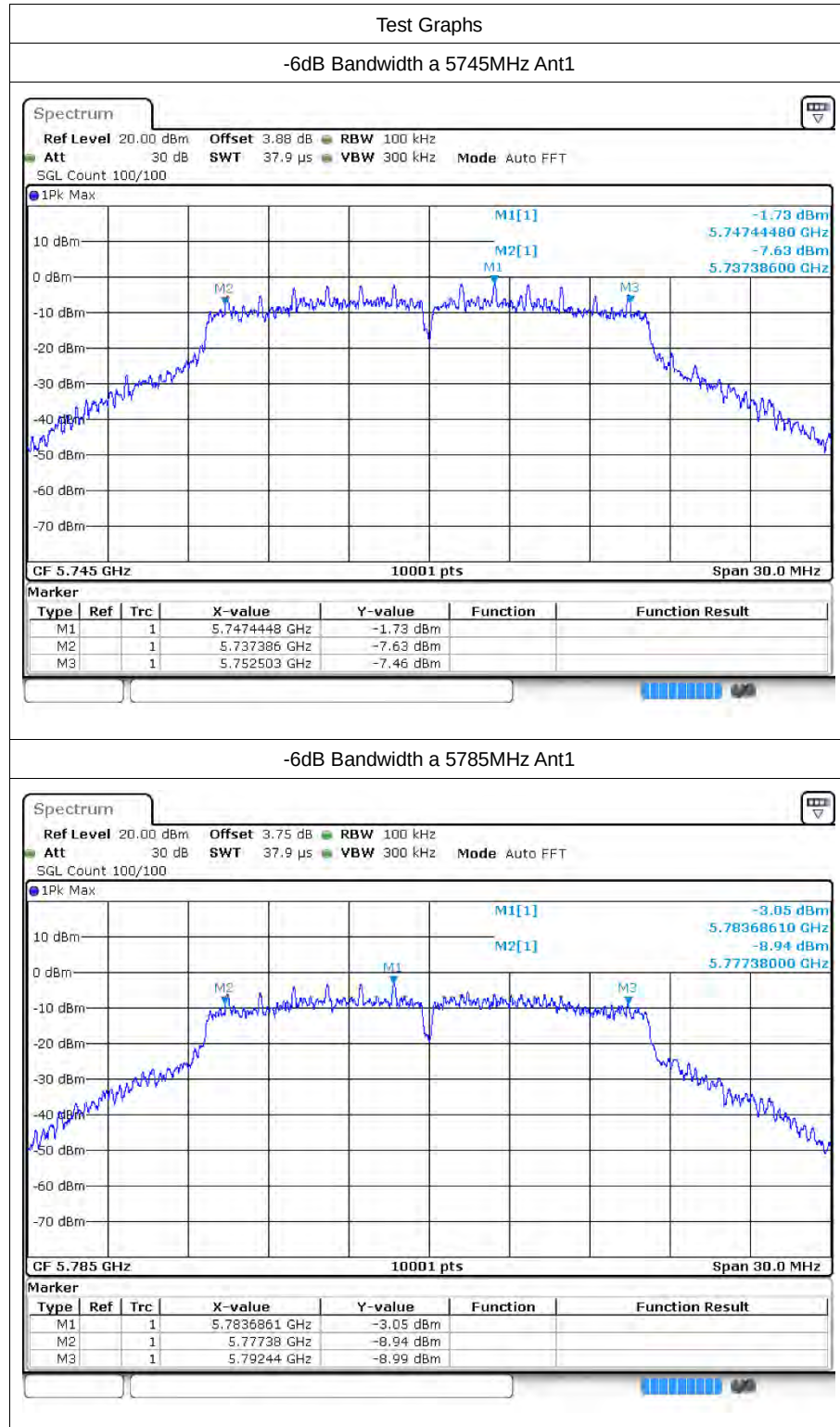
| Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|------|-----------------|---------|-----------------------|-----------------------------|---------|
| a    | 5745            | Ant1    | 15.117                | 0.5                         | Pass    |
| a    | 5785            | Ant1    | 15.06                 | 0.5                         | Pass    |
| a    | 5825            | Ant1    | 16.287                | 0.5                         | Pass    |
| n20  | 5745            | Ant1    | 12.603                | 0.5                         | Pass    |
| n20  | 5785            | Ant1    | 15.081                | 0.5                         | Pass    |
| n20  | 5825            | Ant1    | 12.618                | 0.5                         | Pass    |
| n40  | 5755            | Ant1    | 35.07                 | 0.5                         | Pass    |
| n40  | 5795            | Ant1    | 35.052                | 0.5                         | Pass    |
| ac20 | 5745            | Ant1    | 15.09                 | 0.5                         | Pass    |
| ac20 | 5785            | Ant1    | 15.129                | 0.5                         | Pass    |
| ac20 | 5825            | Ant1    | 15.087                | 0.5                         | Pass    |
| ac40 | 5755            | Ant1    | 27.576                | 0.5                         | Pass    |
| ac40 | 5795            | Ant1    | 35.028                | 0.5                         | Pass    |
| ac80 | 5775            | Ant1    | 72.564                | 0.5                         | Pass    |
| ax20 | 5745            | Ant1    | 15.114                | 0.5                         | Pass    |
| ax20 | 5785            | Ant1    | 15.048                | 0.5                         | Pass    |
| ax20 | 5825            | Ant1    | 15.303                | 0.5                         | Pass    |
| ax40 | 5755            | Ant1    | 36.288                | 0.5                         | Pass    |
| ax40 | 5795            | Ant1    | 35.058                | 0.5                         | Pass    |
| ax80 | 5775            | Ant1    | 72.552                | 0.5                         | Pass    |
| a    | 5745            | Ant2    | 15.093                | 0.5                         | Pass    |
| a    | 5785            | Ant2    | 15.099                | 0.5                         | Pass    |
| a    | 5825            | Ant2    | 15.117                | 0.5                         | Pass    |
| n20  | 5745            | Ant2    | 15.114                | 0.5                         | Pass    |
| n20  | 5785            | Ant2    | 15.114                | 0.5                         | Pass    |
| n20  | 5825            | Ant2    | 15.102                | 0.5                         | Pass    |
| n40  | 5755            | Ant2    | 35.298                | 0.5                         | Pass    |
| n40  | 5795            | Ant2    | 28.8                  | 0.5                         | Pass    |
| ac20 | 5745            | Ant2    | 15.693                | 0.5                         | Pass    |
| ac20 | 5785            | Ant2    | 15.108                | 0.5                         | Pass    |
| ac20 | 5825            | Ant2    | 15.036                | 0.5                         | Pass    |
| ac40 | 5755            | Ant2    | 35.076                | 0.5                         | Pass    |
| ac40 | 5795            | Ant2    | 35.052                | 0.5                         | Pass    |
| ac80 | 5775            | Ant2    | 62.58                 | 0.5                         | Pass    |
| ax20 | 5745            | Ant2    | 16.416                | 0.5                         | Pass    |
| ax20 | 5785            | Ant2    | 15.069                | 0.5                         | Pass    |
| ax20 | 5825            | Ant2    | 17.841                | 0.5                         | Pass    |



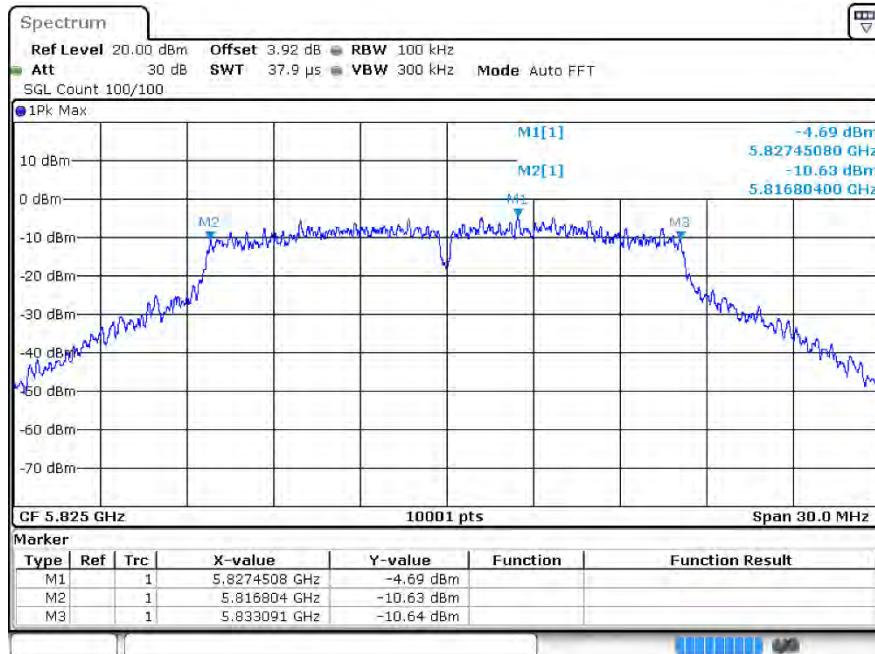


|      |      |      |        |     |      |
|------|------|------|--------|-----|------|
| ax40 | 5755 | Ant2 | 35.016 | 0.5 | Pass |
| ax40 | 5795 | Ant2 | 31.338 | 0.5 | Pass |
| ax80 | 5775 | Ant2 | 75.024 | 0.5 | Pass |

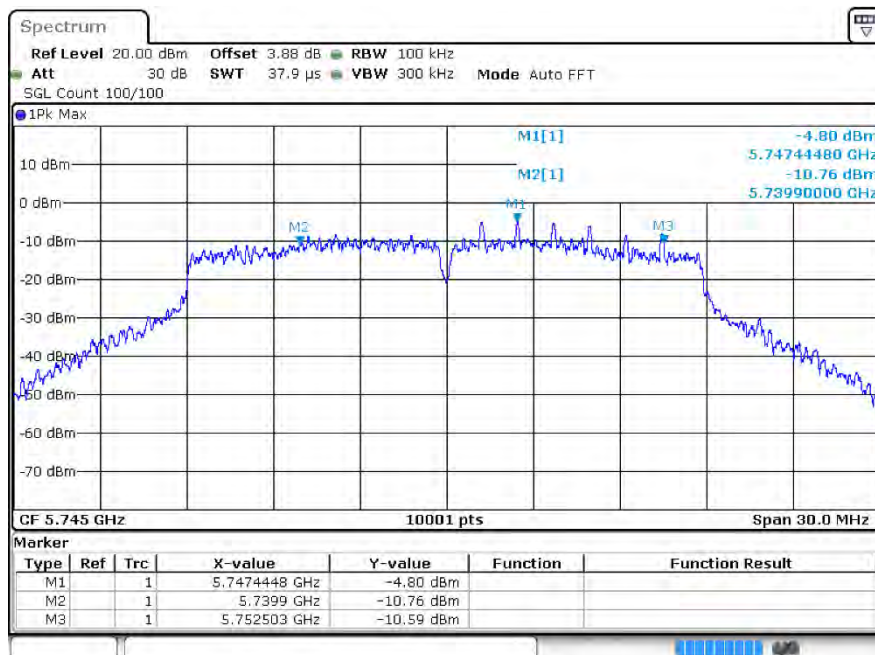
## 3.2 Test Graphs



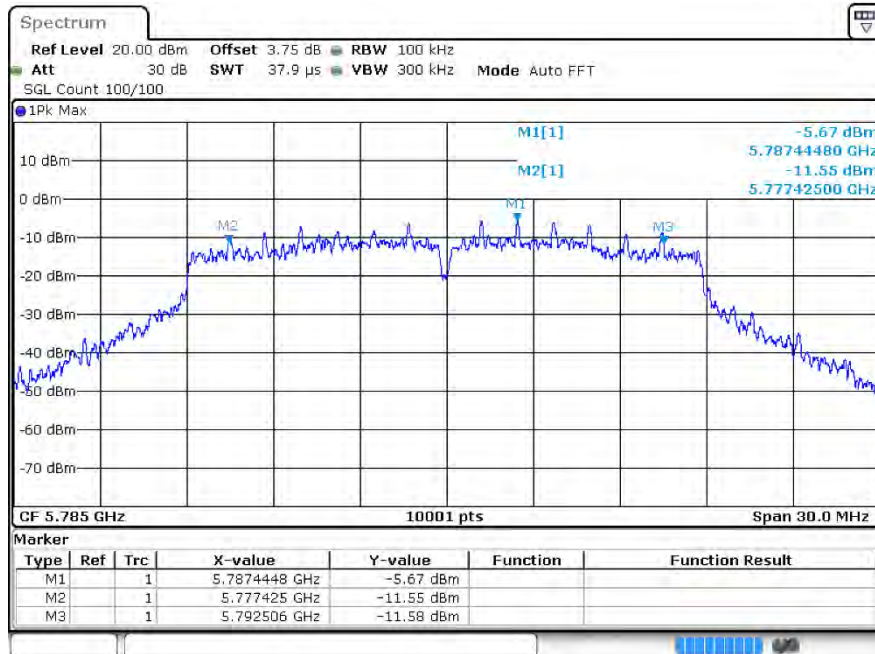
## -6dB Bandwidth a 5825MHz Ant1



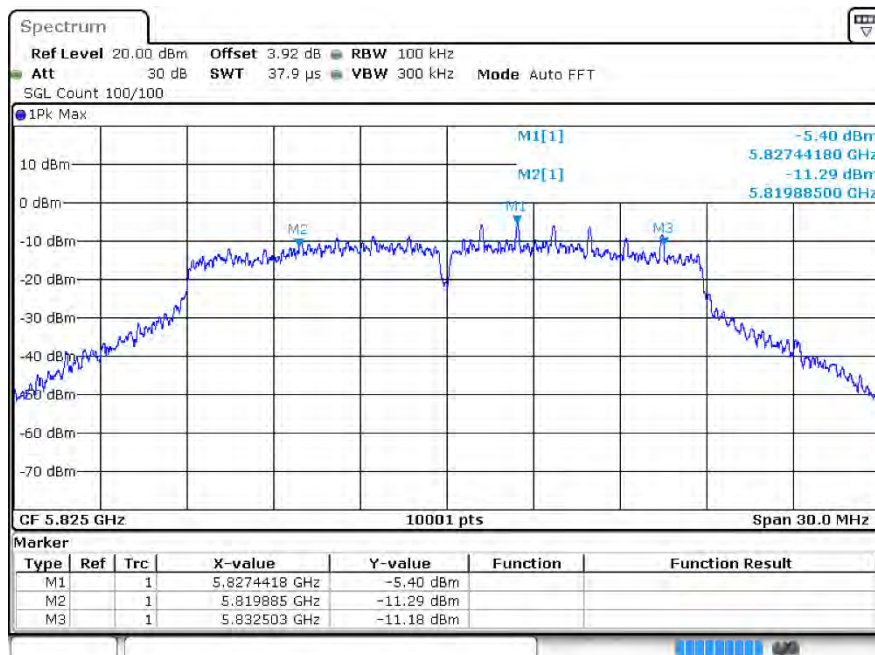
## -6dB Bandwidth n20 5745MHz Ant1



## -6dB Bandwidth n20 5785MHz Ant1

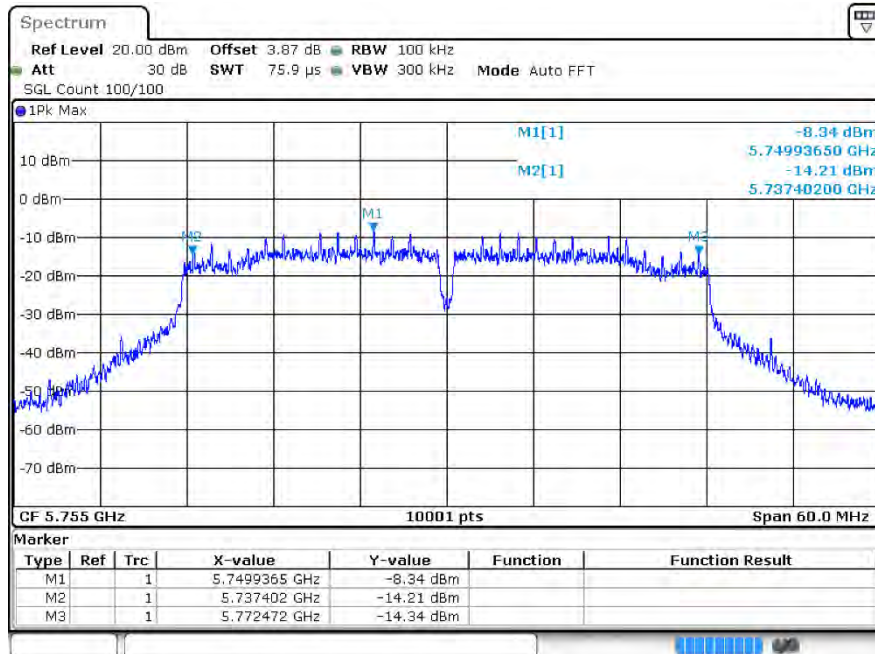


## -6dB Bandwidth n20 5825MHz Ant1

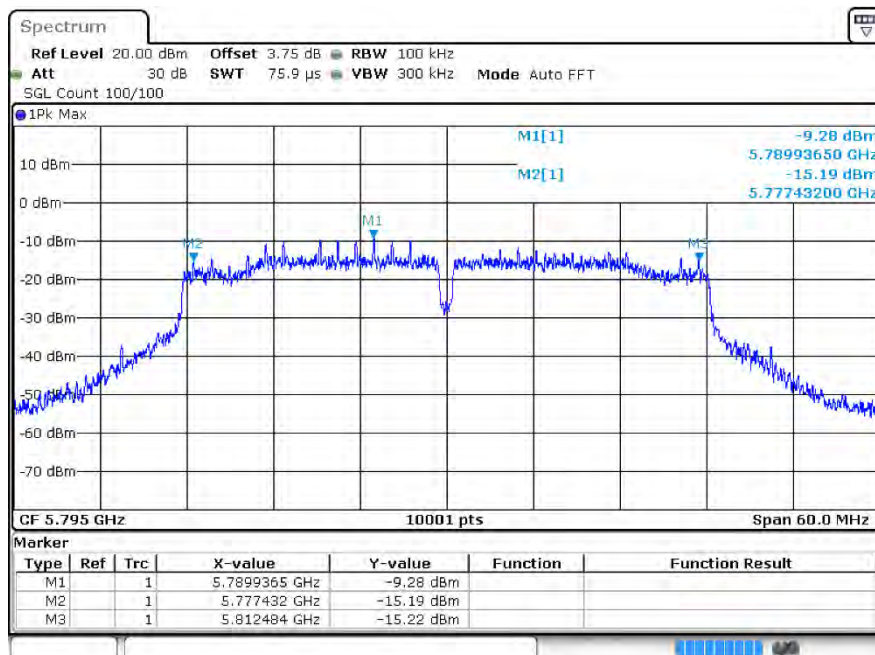




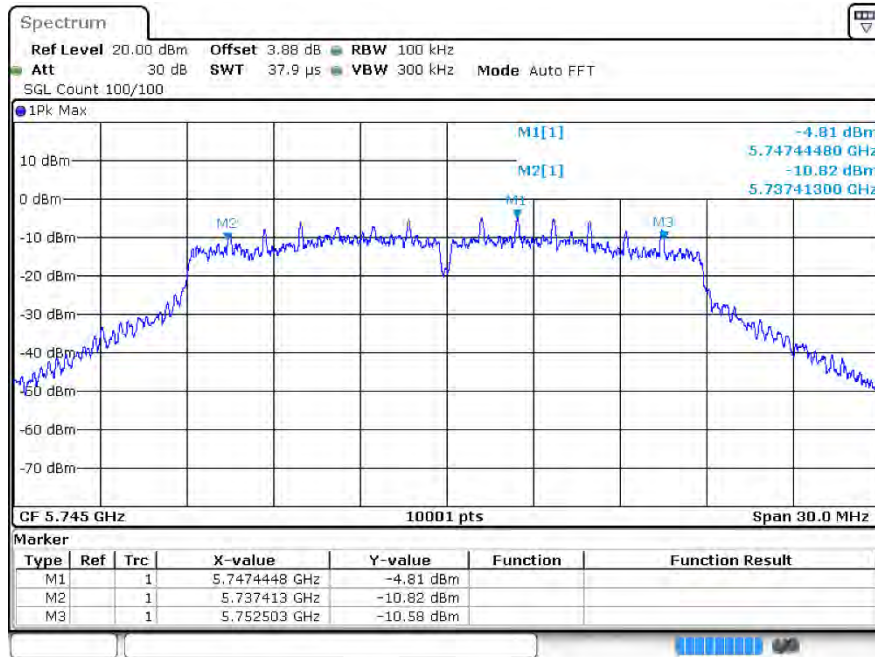
## -6dB Bandwidth n40 5755MHz Ant1



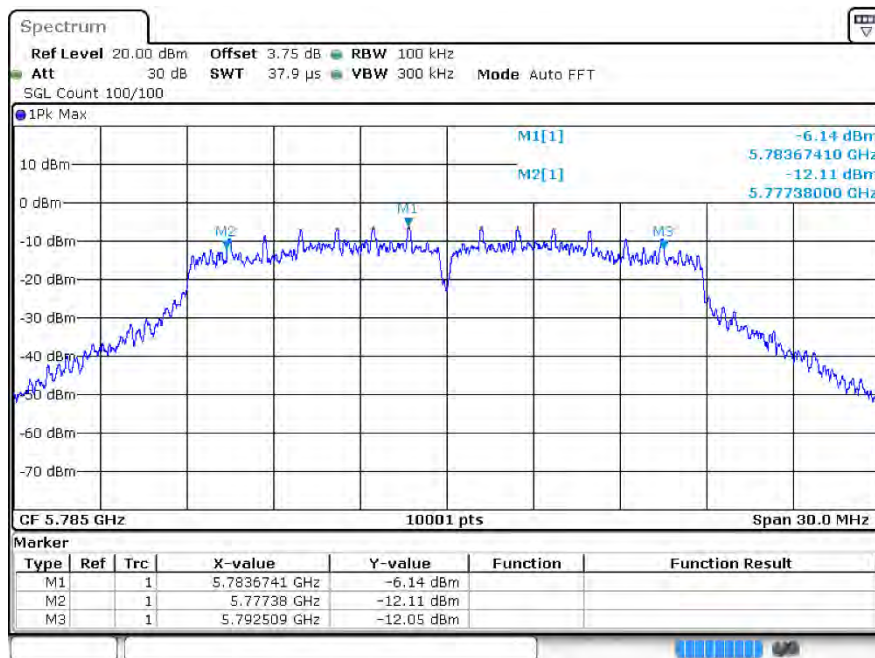
## -6dB Bandwidth n40 5795MHz Ant1



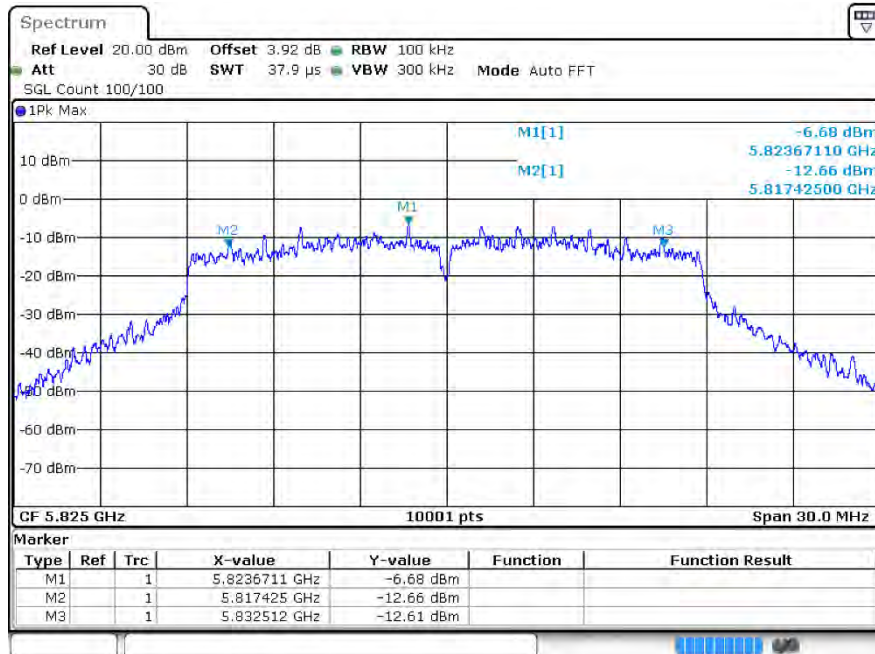
## -6dB Bandwidth ac20 5745MHz Ant1



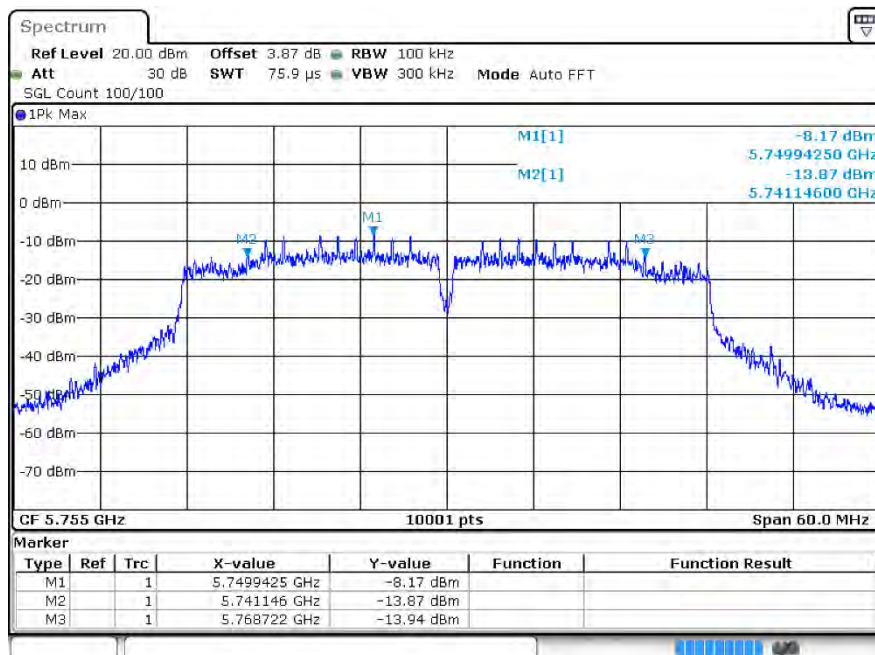
## -6dB Bandwidth ac20 5785MHz Ant1



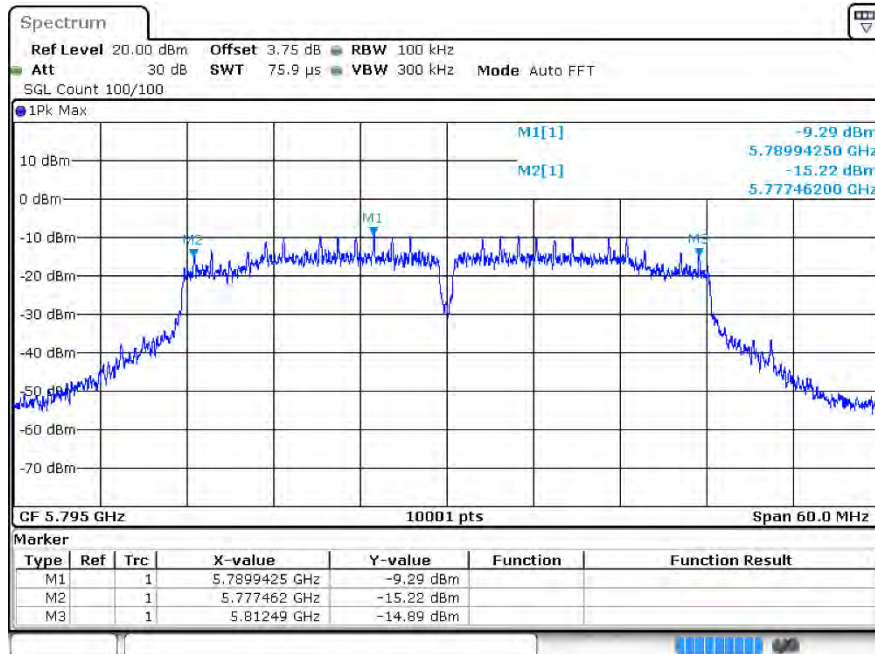
## -6dB Bandwidth ac20 5825MHz Ant1



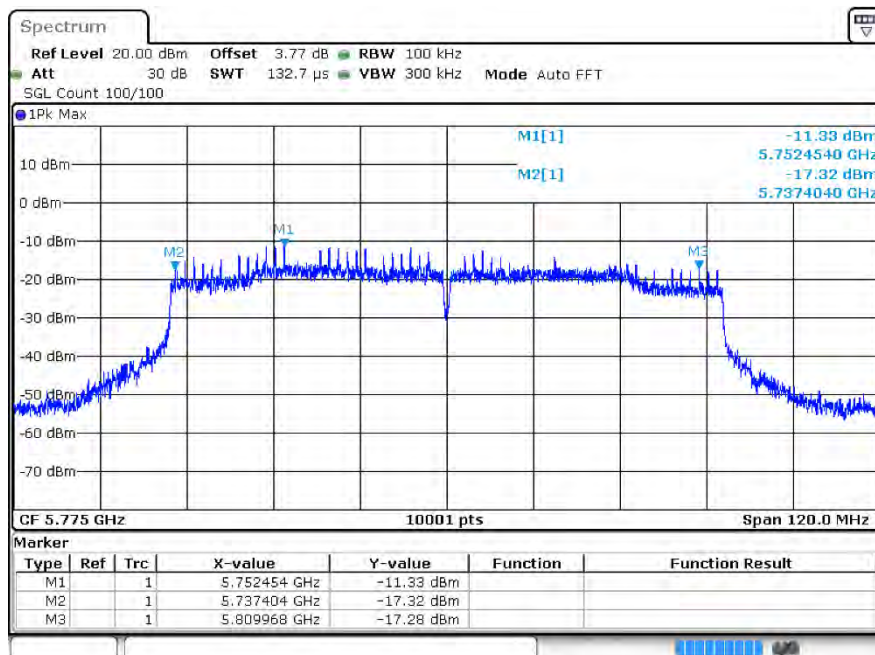
## -6dB Bandwidth ac40 5755MHz Ant1



## -6dB Bandwidth ac40 5795MHz Ant1

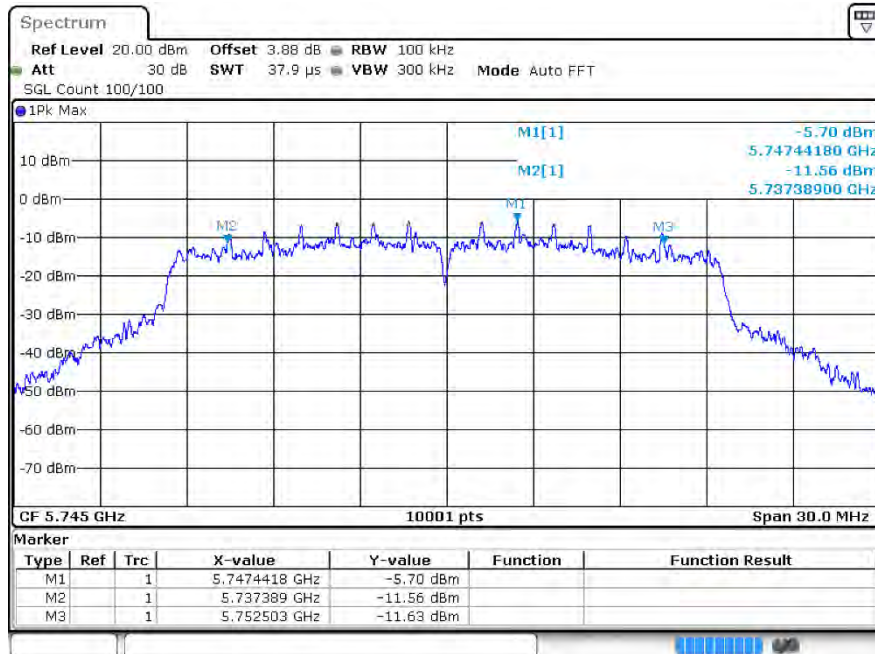


## -6dB Bandwidth ac80 5775MHz Ant1

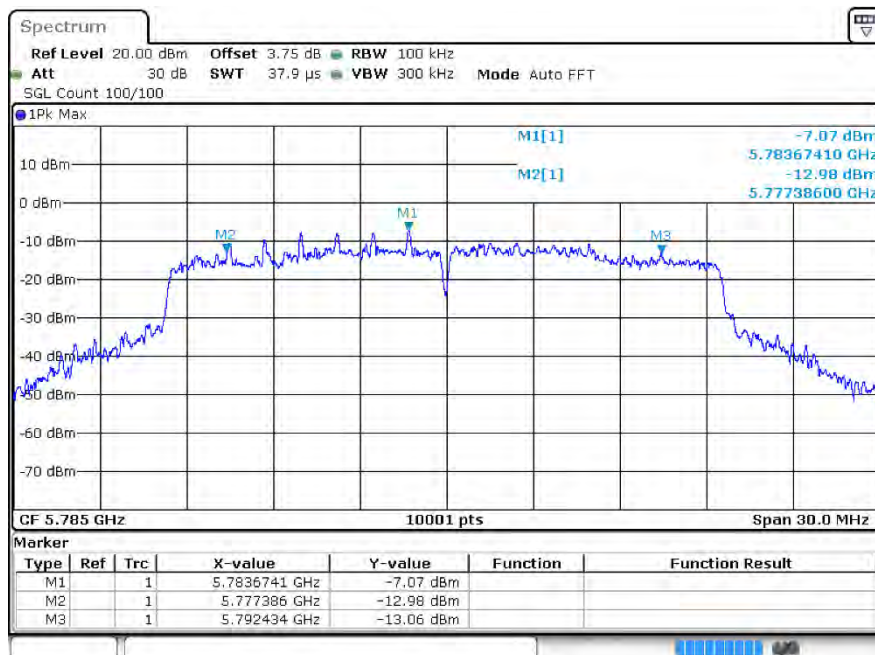




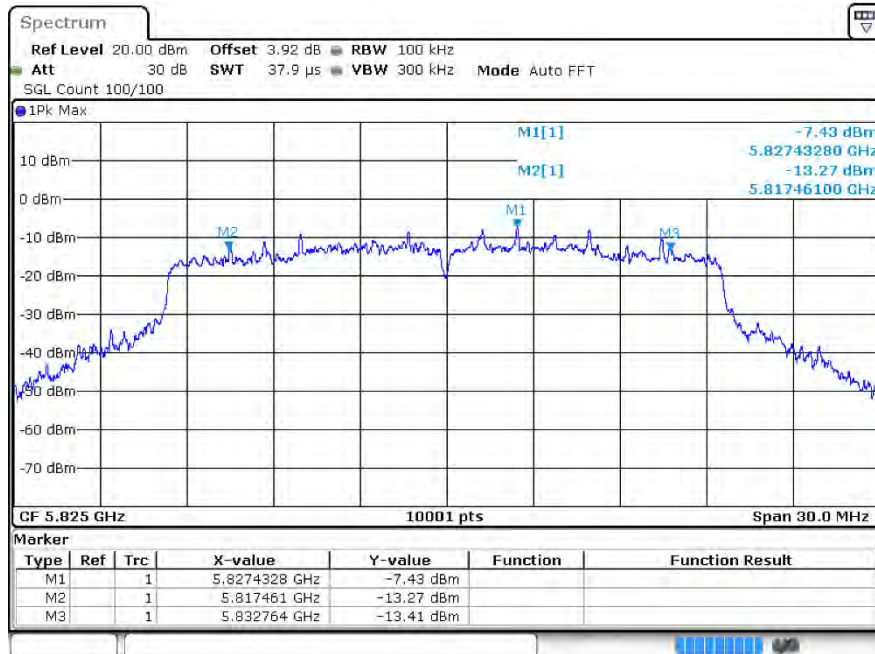
## -6dB Bandwidth ax20 5745MHz Ant1



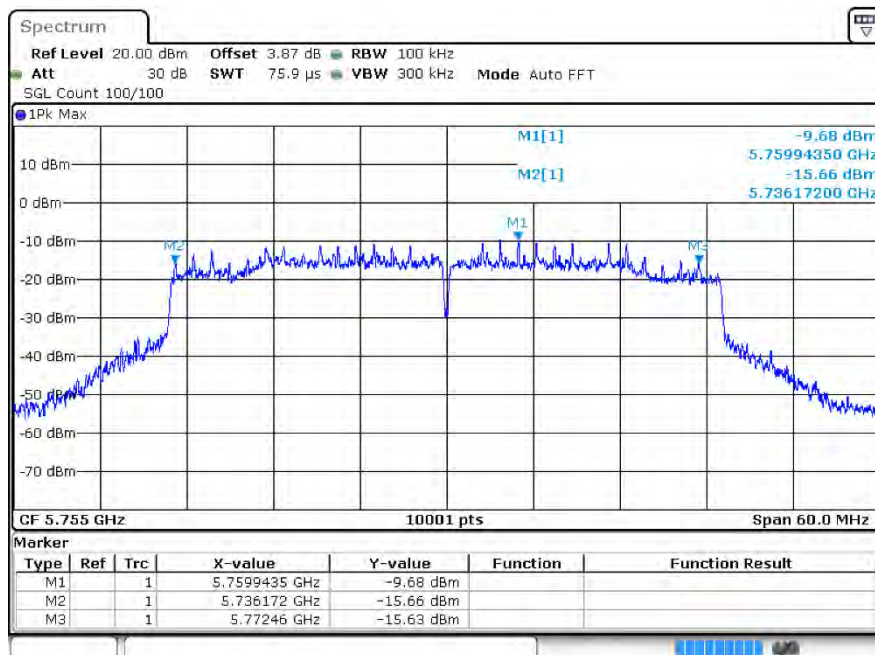
## -6dB Bandwidth ax20 5785MHz Ant1



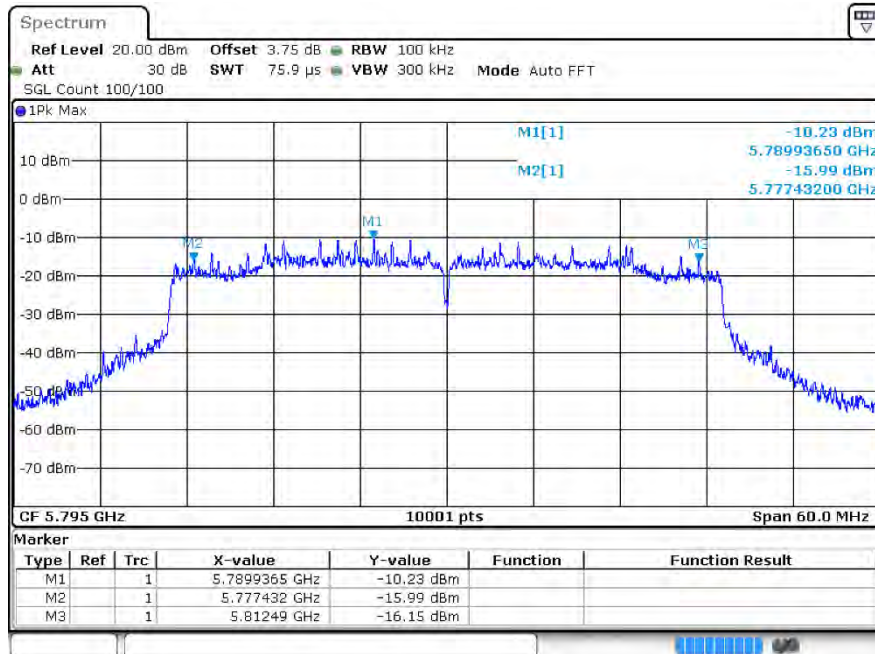
## -6dB Bandwidth ax20 5825MHz Ant1



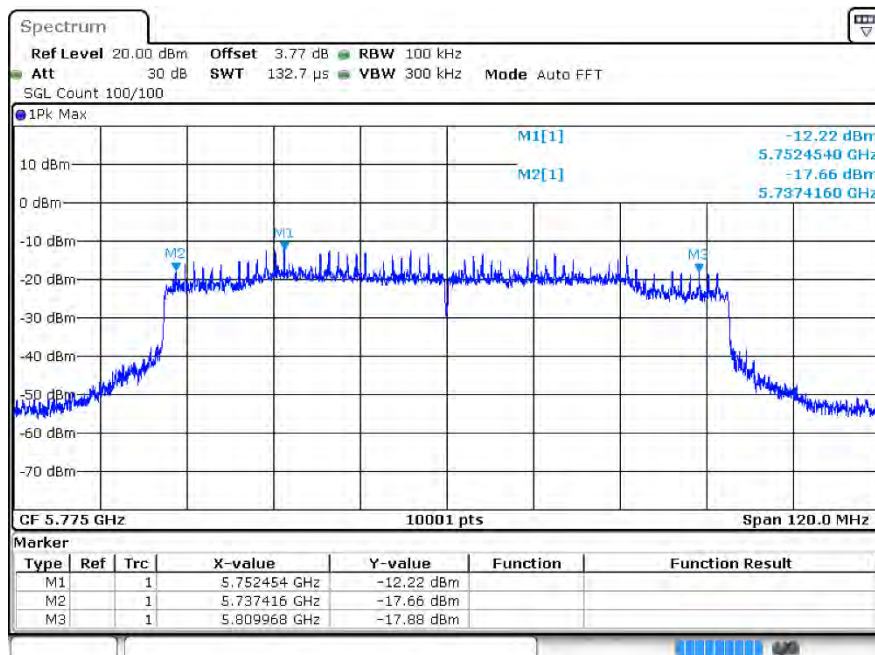
## -6dB Bandwidth ax40 5755MHz Ant1



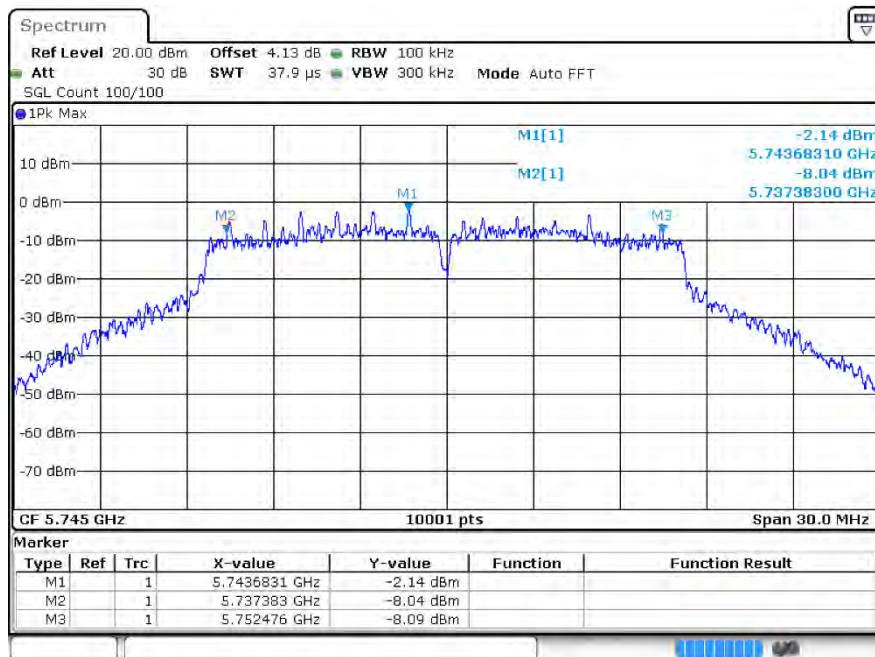
## -6dB Bandwidth ax40 5795MHz Ant1



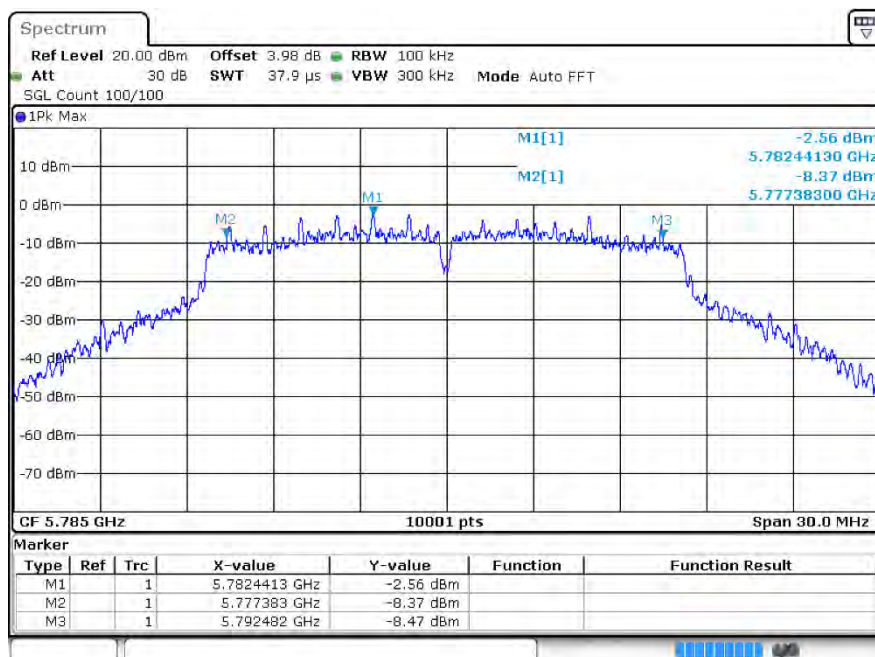
## -6dB Bandwidth ax80 5775MHz Ant1



## -6dB Bandwidth a 5745MHz Ant2

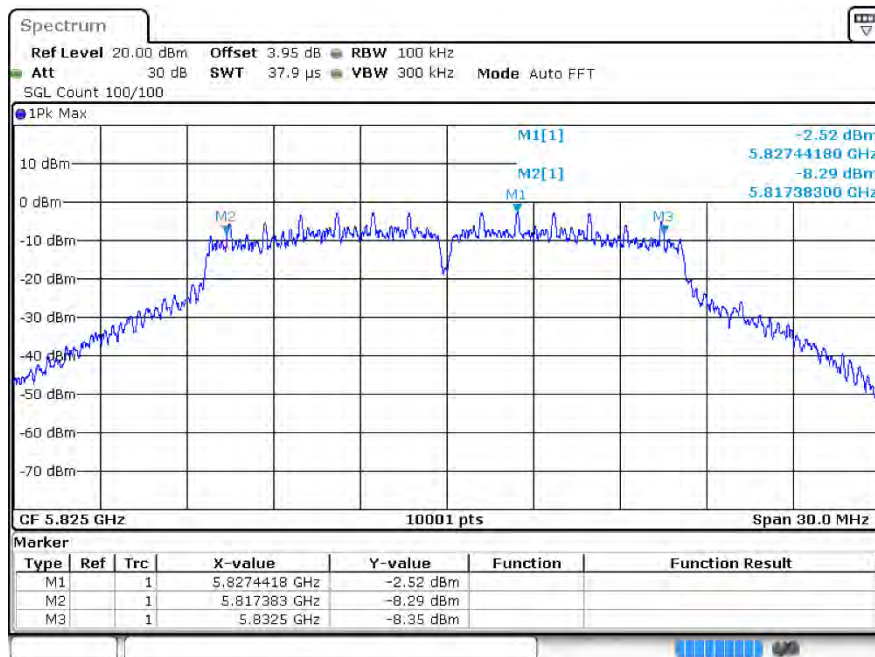


## -6dB Bandwidth a 5785MHz Ant2

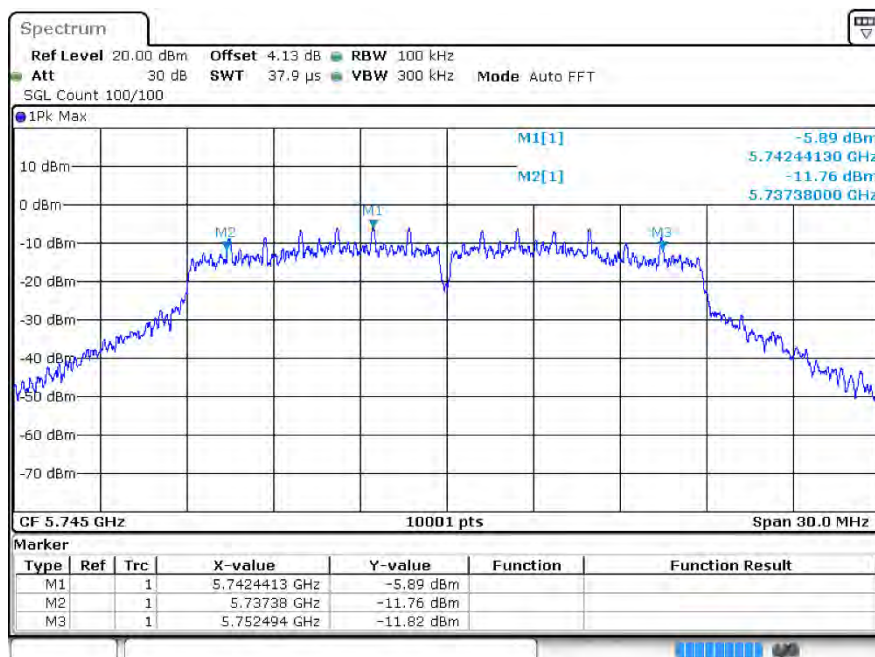




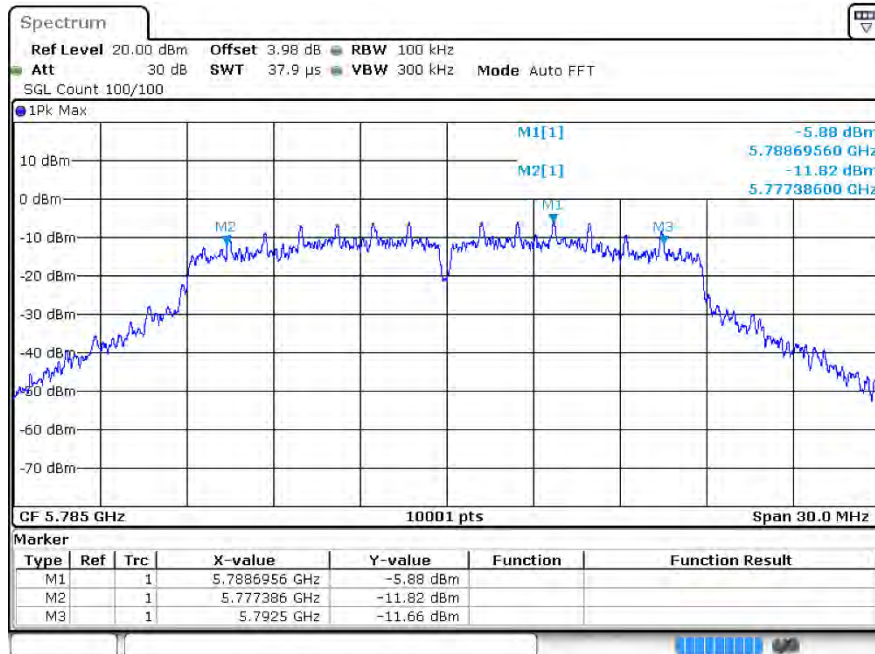
## -6dB Bandwidth a 5825MHz Ant2



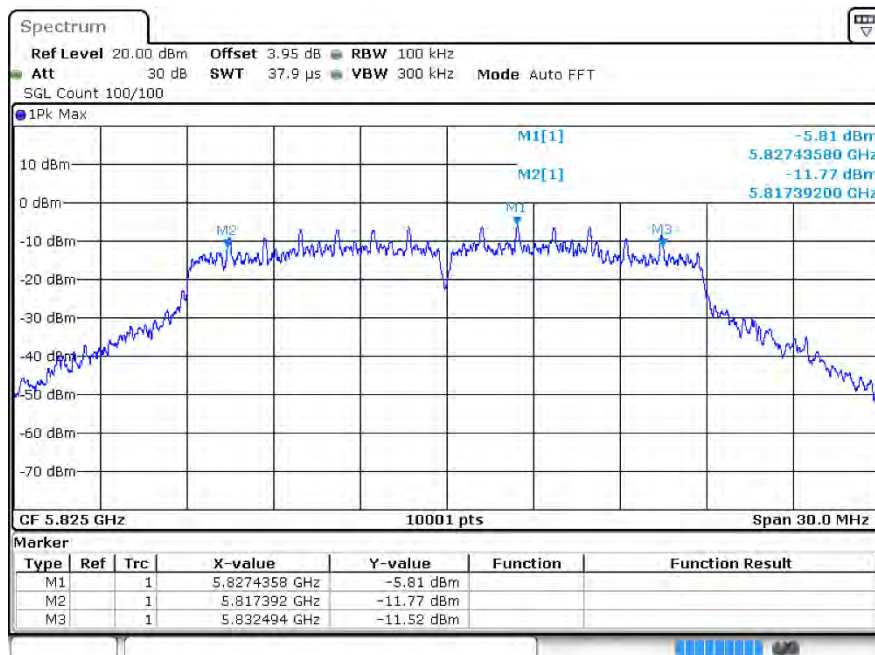
## -6dB Bandwidth n20 5745MHz Ant2



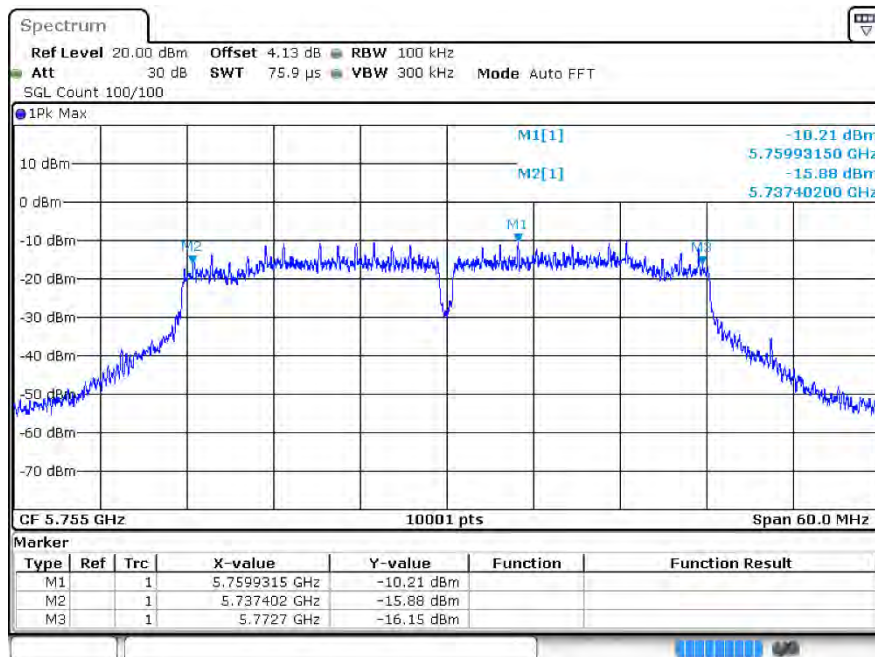
## -6dB Bandwidth n20 5785MHz Ant2



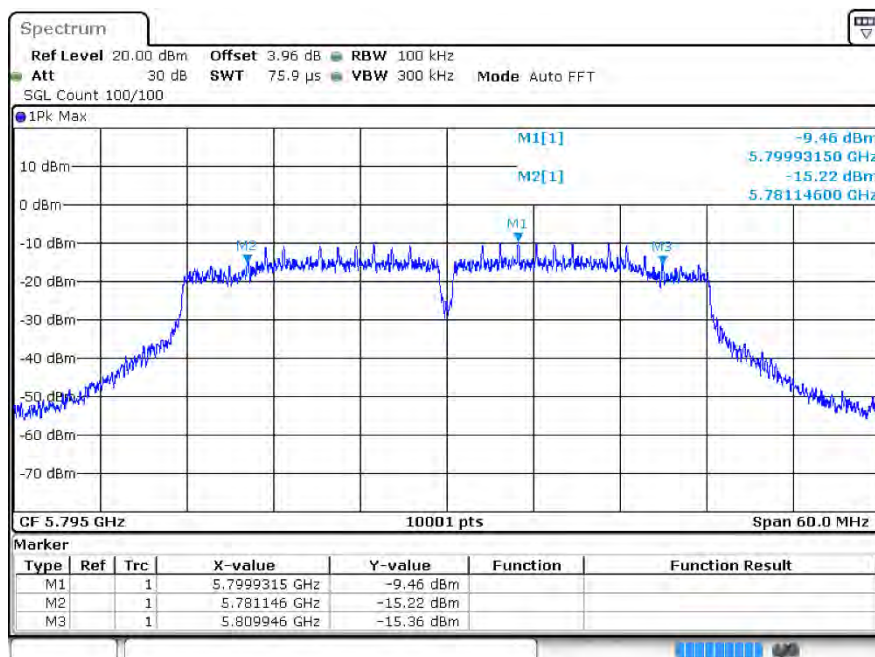
## -6dB Bandwidth n20 5825MHz Ant2



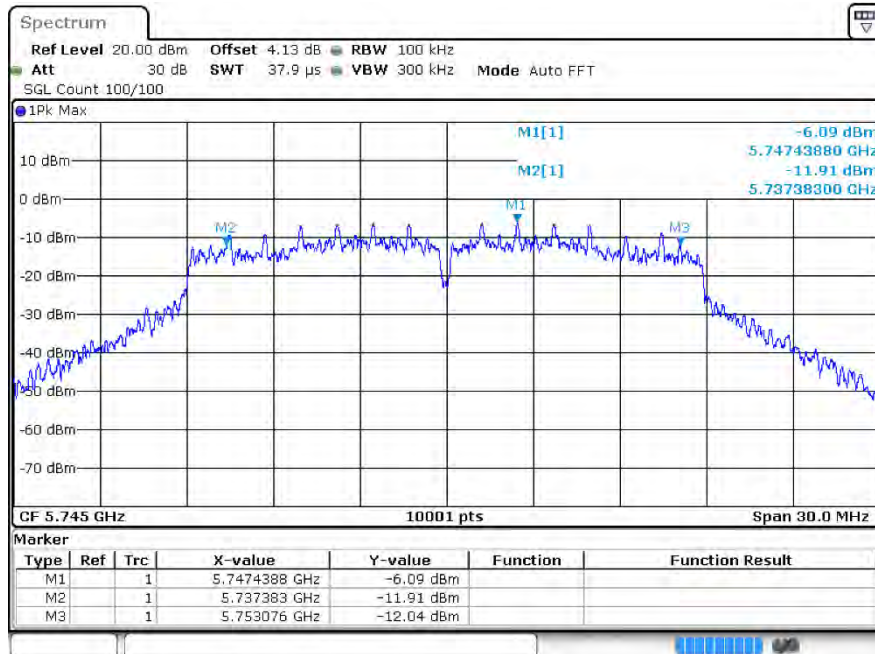
## -6dB Bandwidth n40 5755MHz Ant2



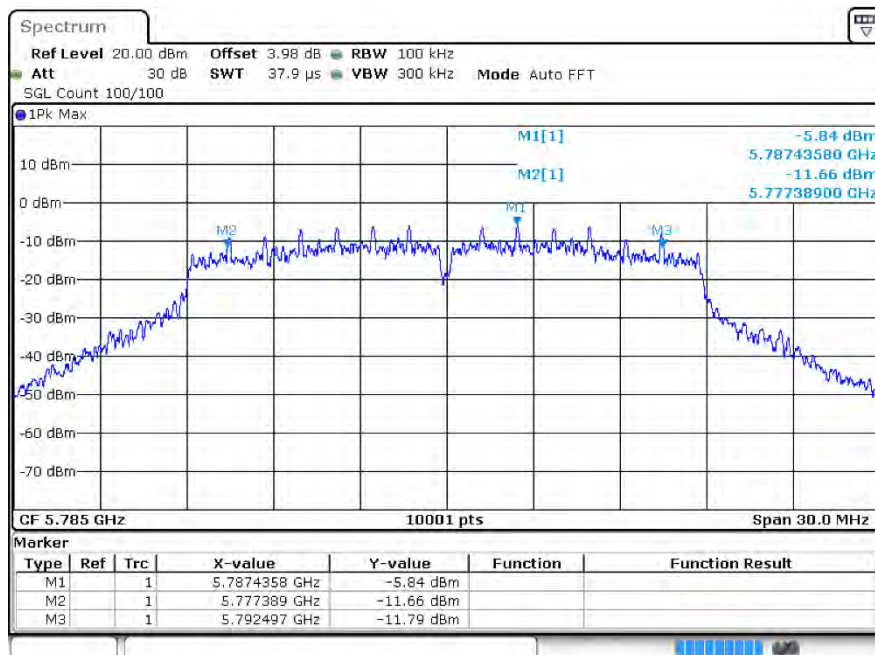
## -6dB Bandwidth n40 5795MHz Ant2



## -6dB Bandwidth ac20 5745MHz Ant2

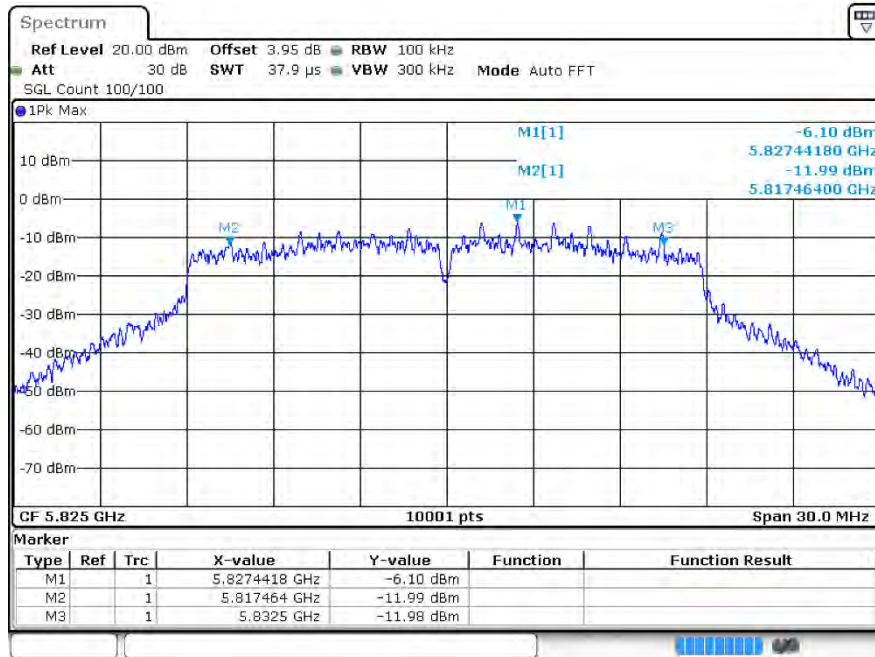


## -6dB Bandwidth ac20 5785MHz Ant2

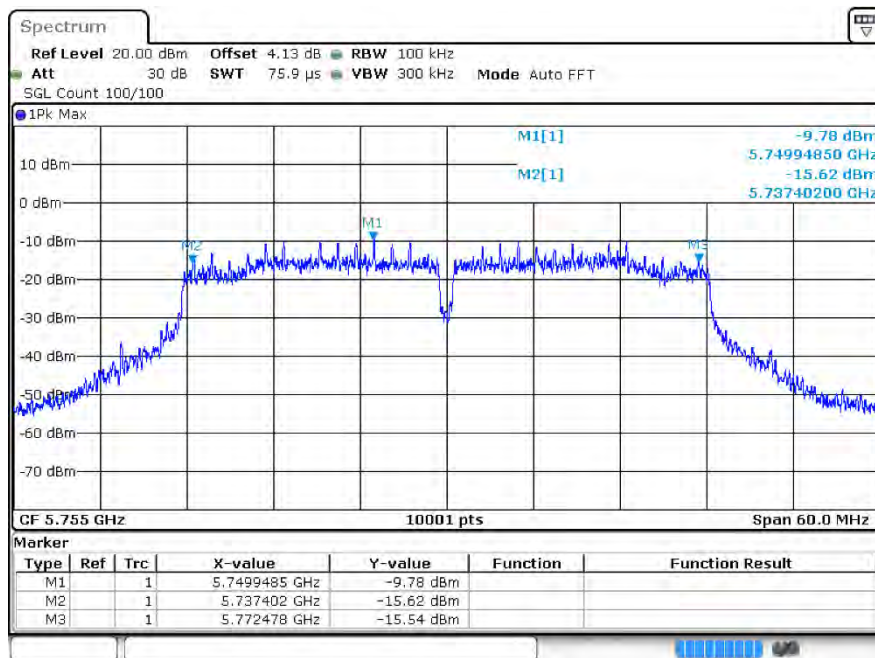




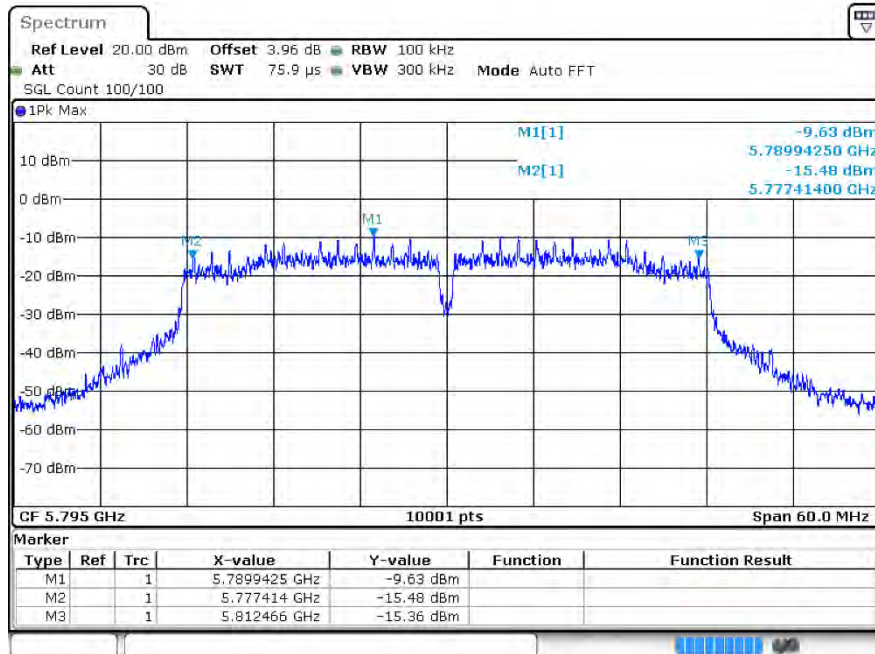
## -6dB Bandwidth ac20 5825MHz Ant2



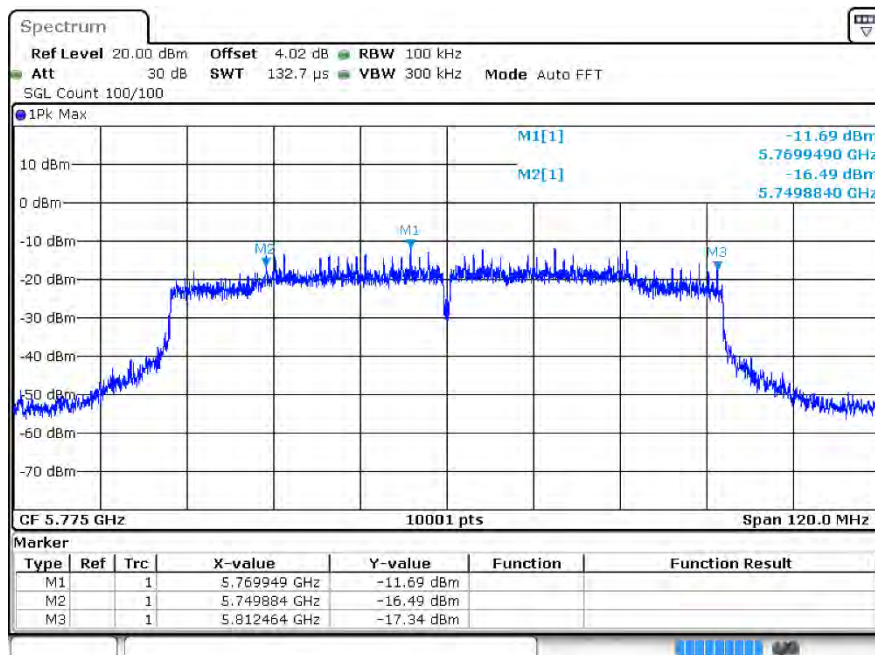
## -6dB Bandwidth ac40 5755MHz Ant2



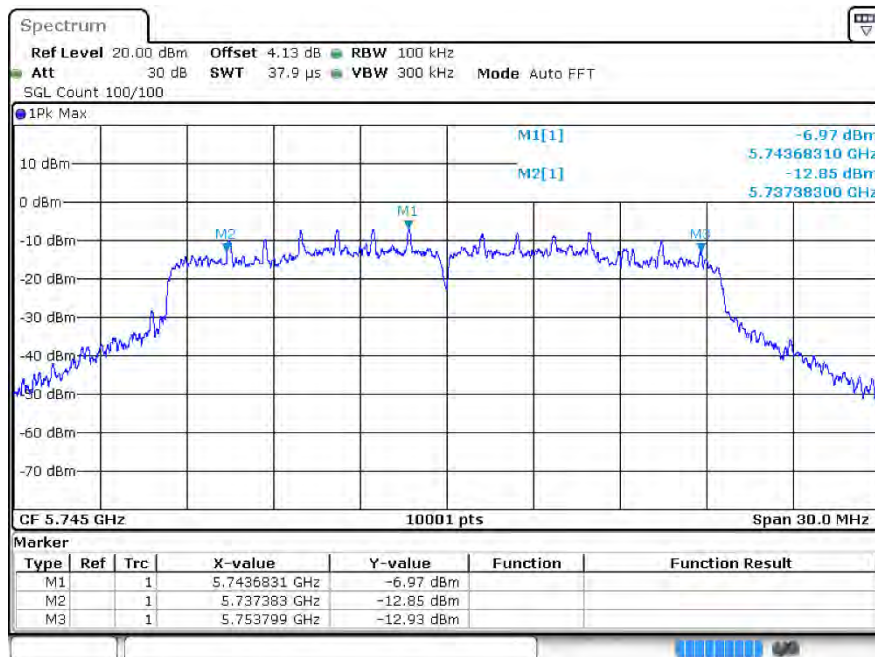
## -6dB Bandwidth ac40 5795MHz Ant2



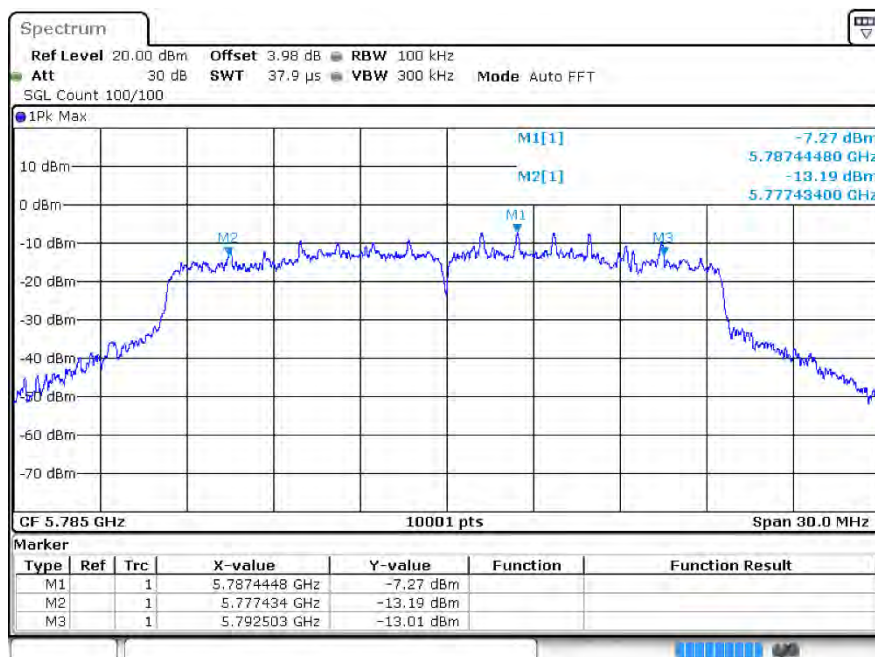
## -6dB Bandwidth ac80 5775MHz Ant2



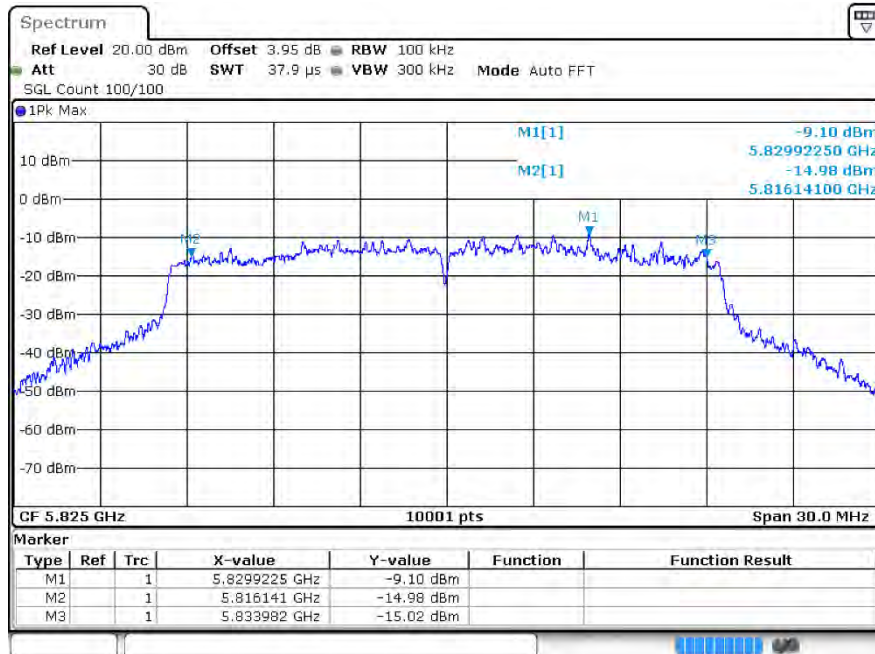
## -6dB Bandwidth ax20 5745MHz Ant2



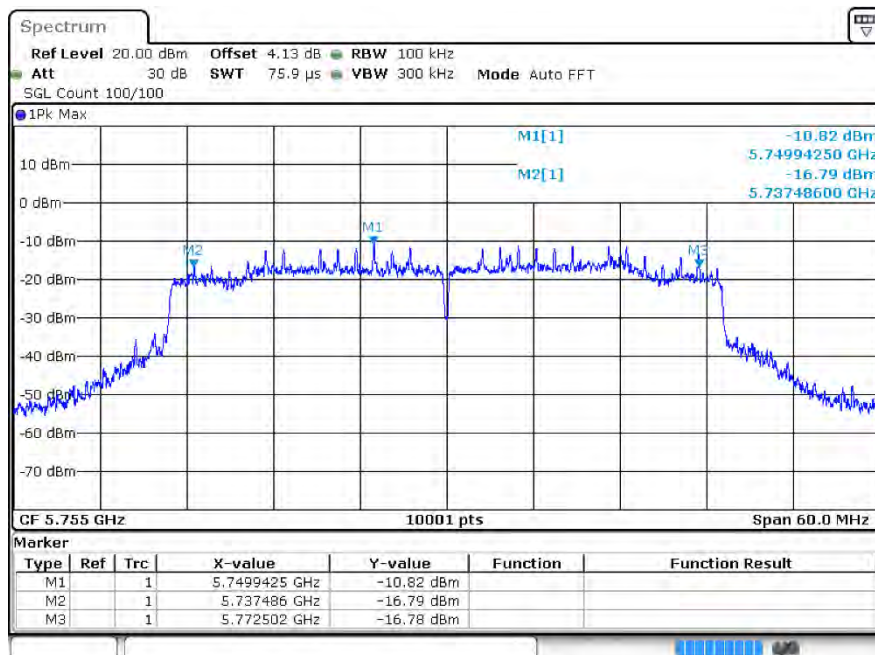
## -6dB Bandwidth ax20 5785MHz Ant2



## -6dB Bandwidth ax20 5825MHz Ant2

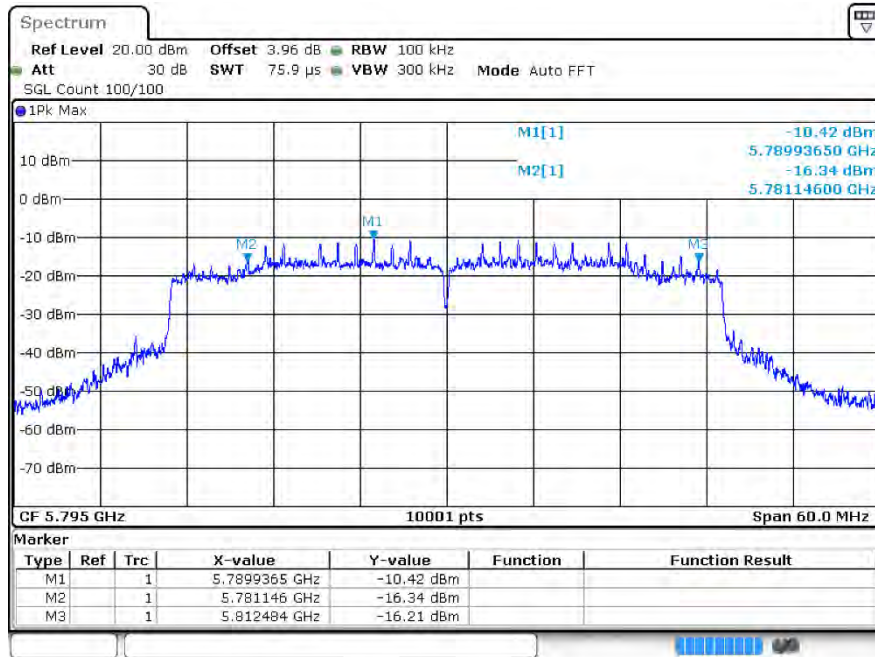


## -6dB Bandwidth ax40 5755MHz Ant2

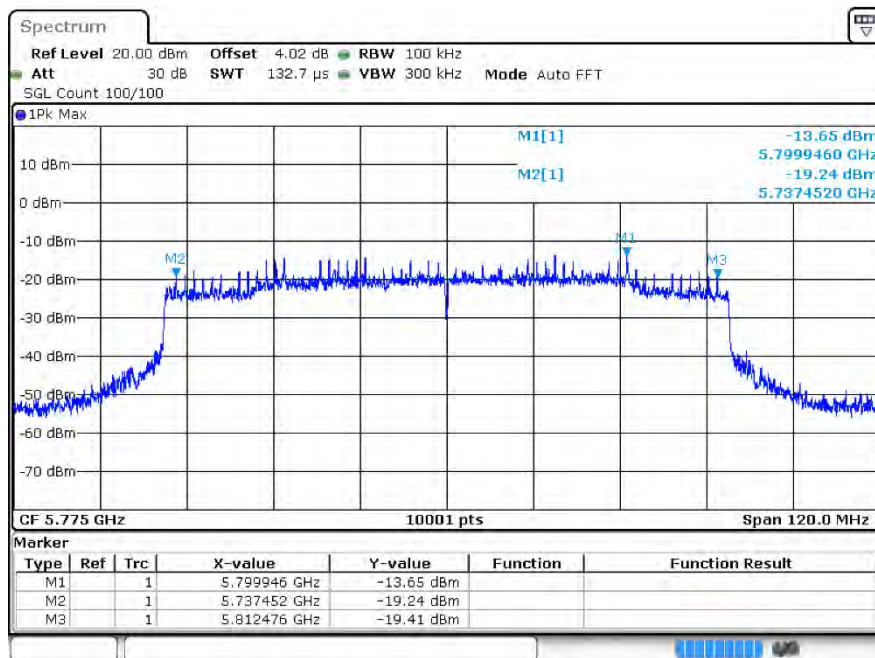




## -6dB Bandwidth ax40 5795MHz Ant2



## -6dB Bandwidth ax80 5775MHz Ant2



## 4 Occupied Channel Bandwidth

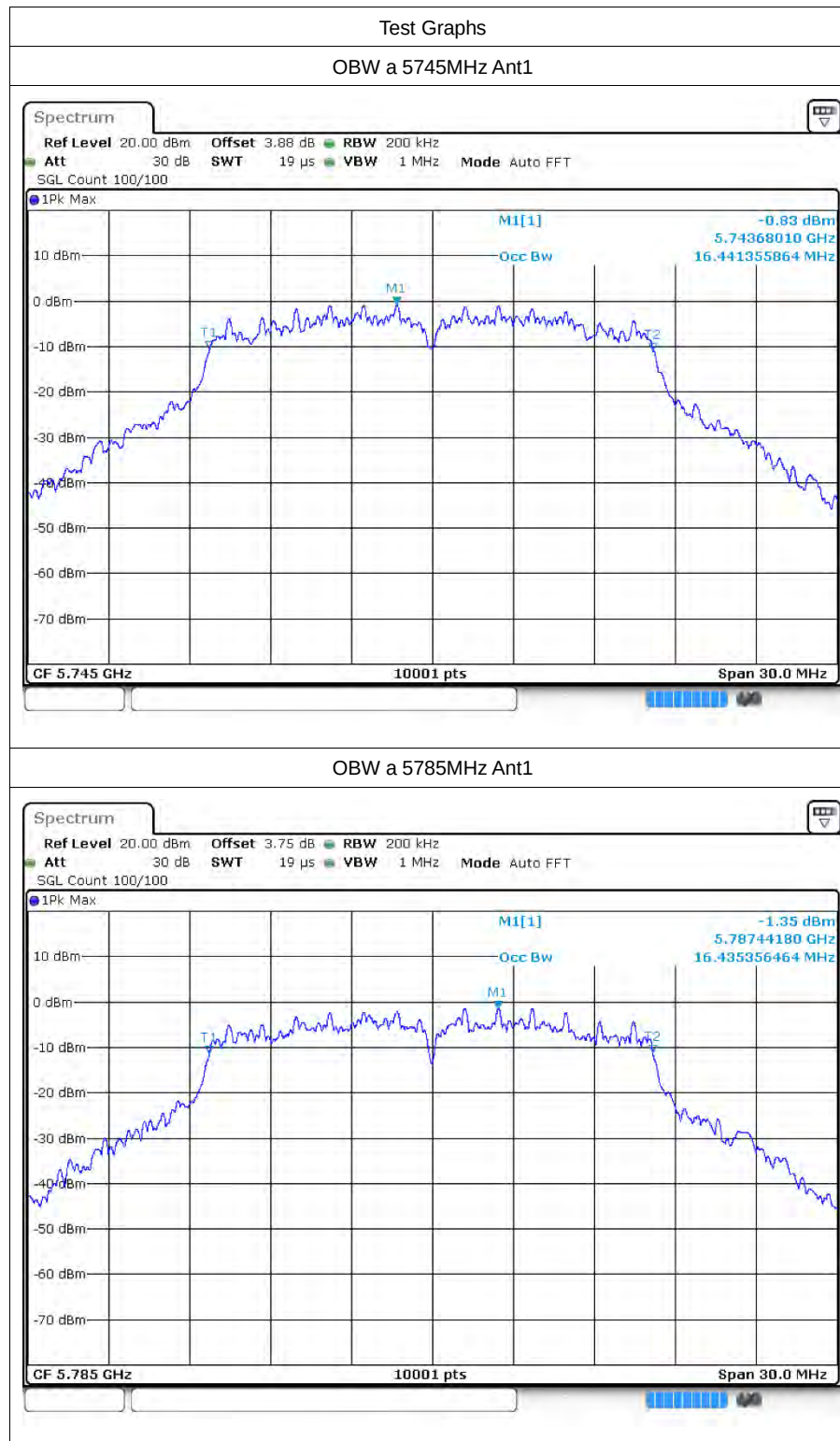
### 4.1 Test Result

| Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|------|-----------------|---------|---------------|
| a    | 5745            | Ant1    | 16.441        |
| a    | 5785            | Ant1    | 16.435        |
| a    | 5825            | Ant1    | 16.36         |
| n20  | 5745            | Ant1    | 17.605        |
| n20  | 5785            | Ant1    | 17.623        |
| n20  | 5825            | Ant1    | 17.551        |
| n40  | 5755            | Ant1    | 36.008        |
| n40  | 5795            | Ant1    | 36.044        |
| ac20 | 5745            | Ant1    | 17.593        |
| ac20 | 5785            | Ant1    | 17.578        |
| ac20 | 5825            | Ant1    | 17.557        |
| ac40 | 5755            | Ant1    | 35.912        |
| ac40 | 5795            | Ant1    | 35.972        |
| ac80 | 5775            | Ant1    | 75.352        |
| ax20 | 5745            | Ant1    | 18.943        |
| ax20 | 5785            | Ant1    | 18.808        |
| ax20 | 5825            | Ant1    | 18.796        |
| ax40 | 5755            | Ant1    | 37.544        |
| ax40 | 5795            | Ant1    | 37.508        |
| ax80 | 5775            | Ant1    | 76.84         |
| a    | 5745            | Ant2    | 16.51         |
| a    | 5785            | Ant2    | 16.405        |
| a    | 5825            | Ant2    | 16.504        |
| n20  | 5745            | Ant2    | 17.683        |
| n20  | 5785            | Ant2    | 17.683        |
| n20  | 5825            | Ant2    | 17.701        |
| n40  | 5755            | Ant2    | 36.248        |
| n40  | 5795            | Ant2    | 35.996        |
| ac20 | 5745            | Ant2    | 17.608        |
| ac20 | 5785            | Ant2    | 17.596        |
| ac20 | 5825            | Ant2    | 17.68         |
| ac40 | 5755            | Ant2    | 36.248        |
| ac40 | 5795            | Ant2    | 35.96         |
| ac80 | 5775            | Ant2    | 75.16         |
| ax20 | 5745            | Ant2    | 18.817        |
| ax20 | 5785            | Ant2    | 18.793        |



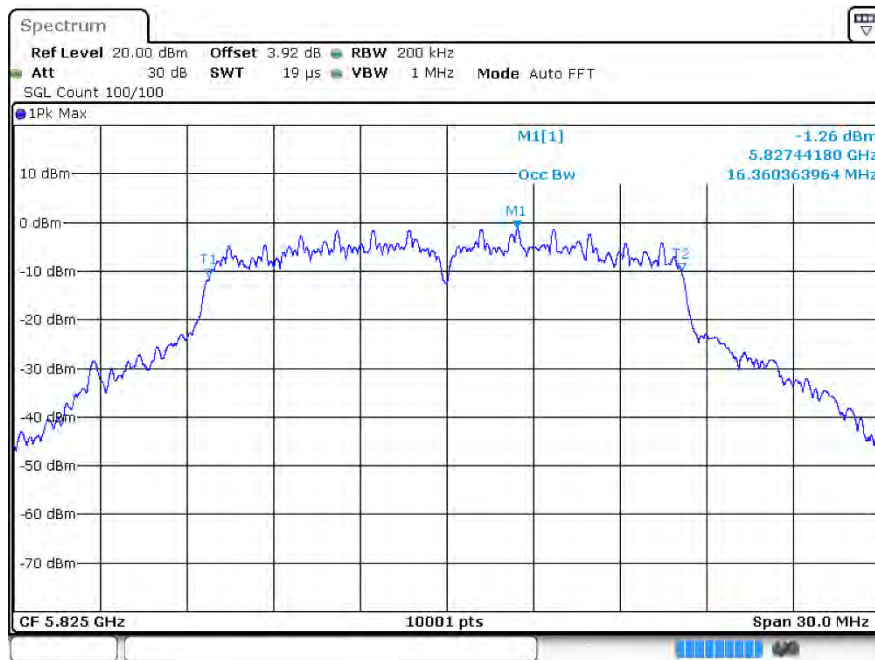
|      |      |      |        |
|------|------|------|--------|
| ax20 | 5825 | Ant2 | 18.961 |
| ax40 | 5755 | Ant2 | 37.874 |
| ax40 | 5795 | Ant2 | 37.388 |
| ax80 | 5775 | Ant2 | 76.828 |

## 4.2 Test Graphs

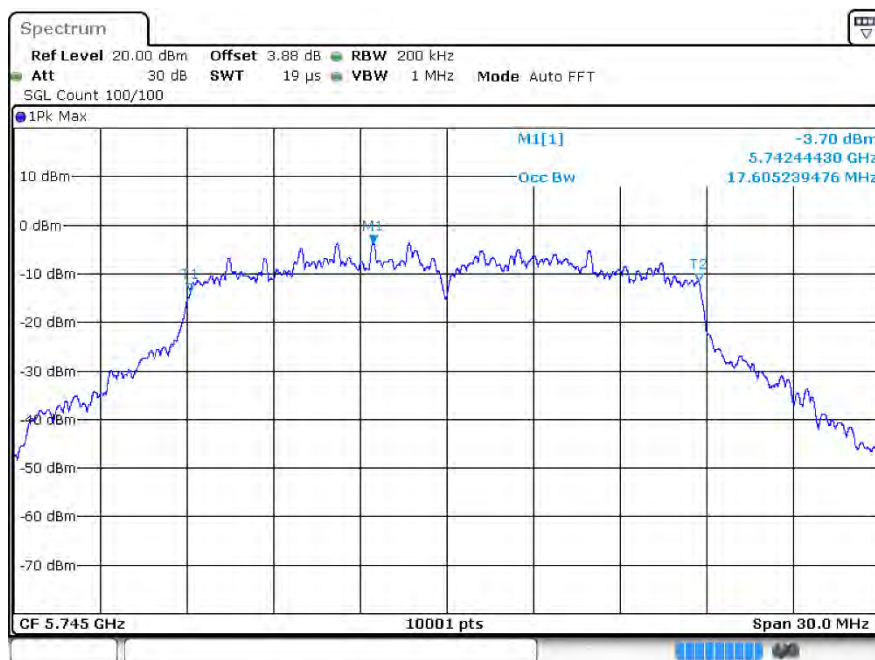




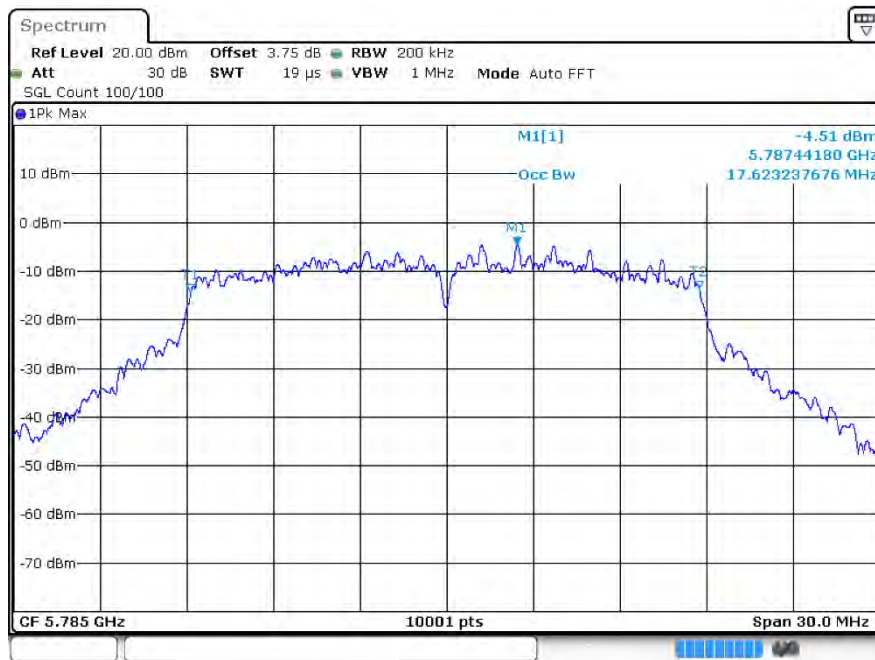
OBW a 5825MHz Ant1



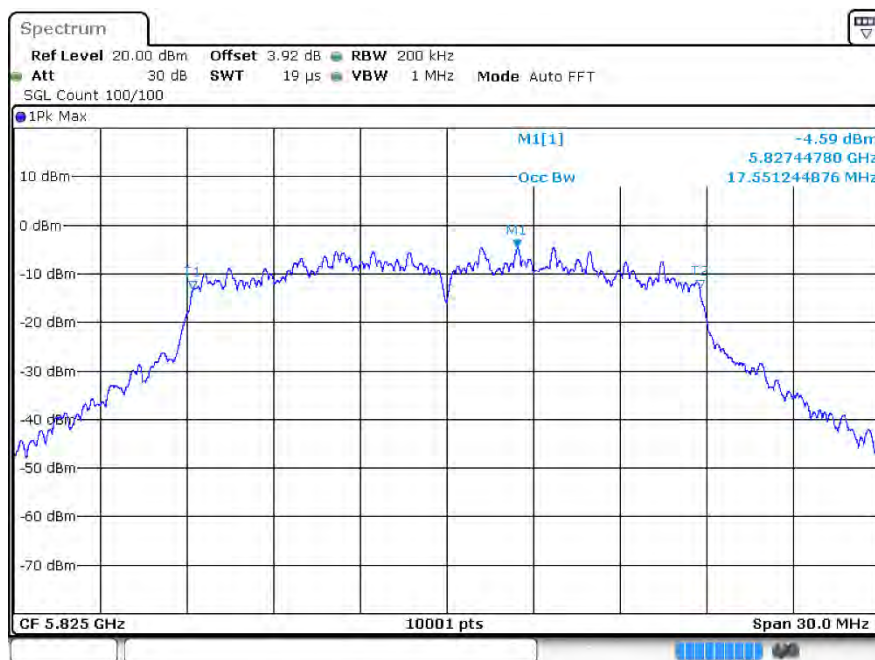
OBW n20 5745MHz Ant1



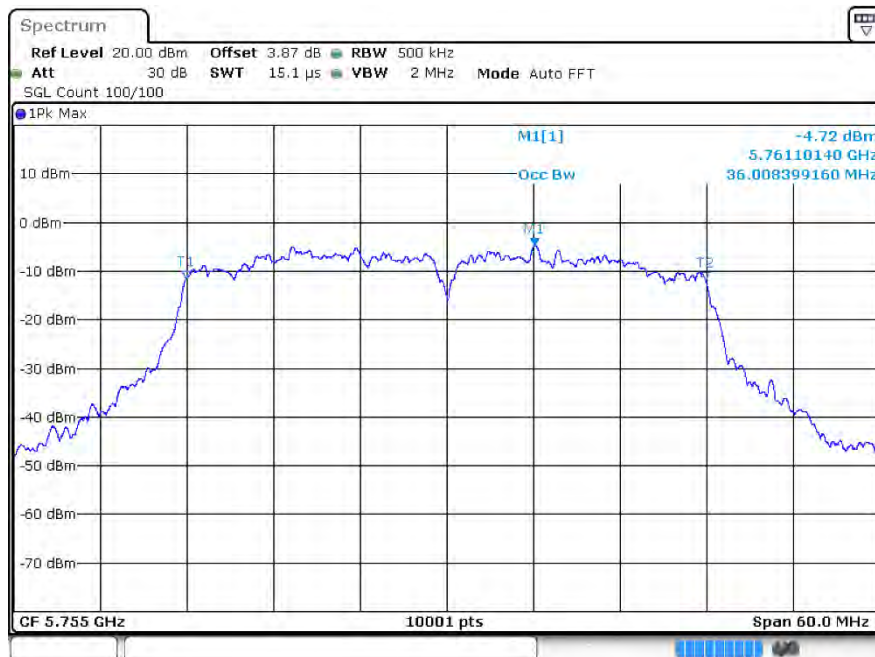
OBW n20 5785MHz Ant1



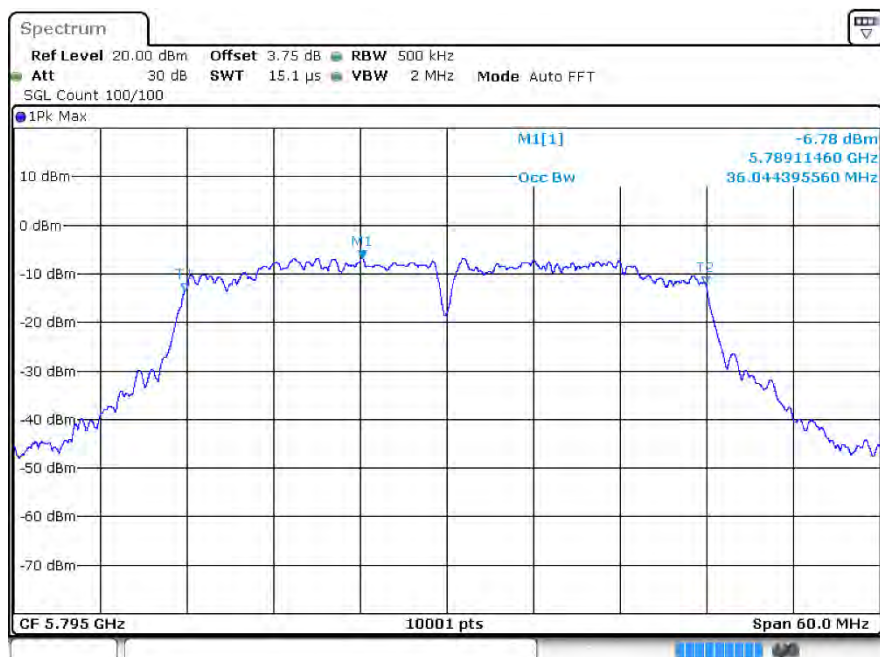
OBW n20 5825MHz Ant1



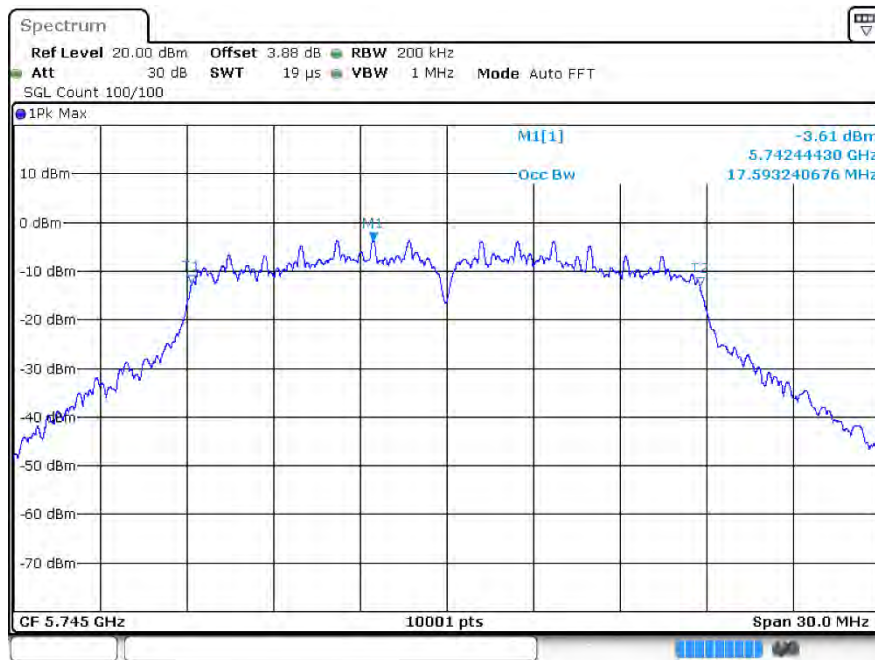
OBW n40 5755MHz Ant1



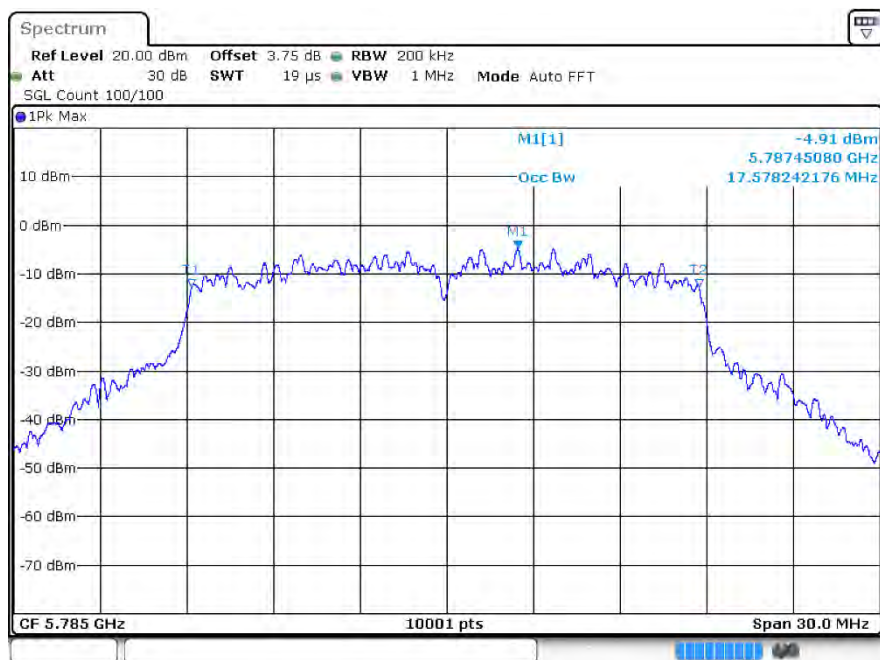
OBW n40 5795MHz Ant1



OBW ac20 5745MHz Ant1

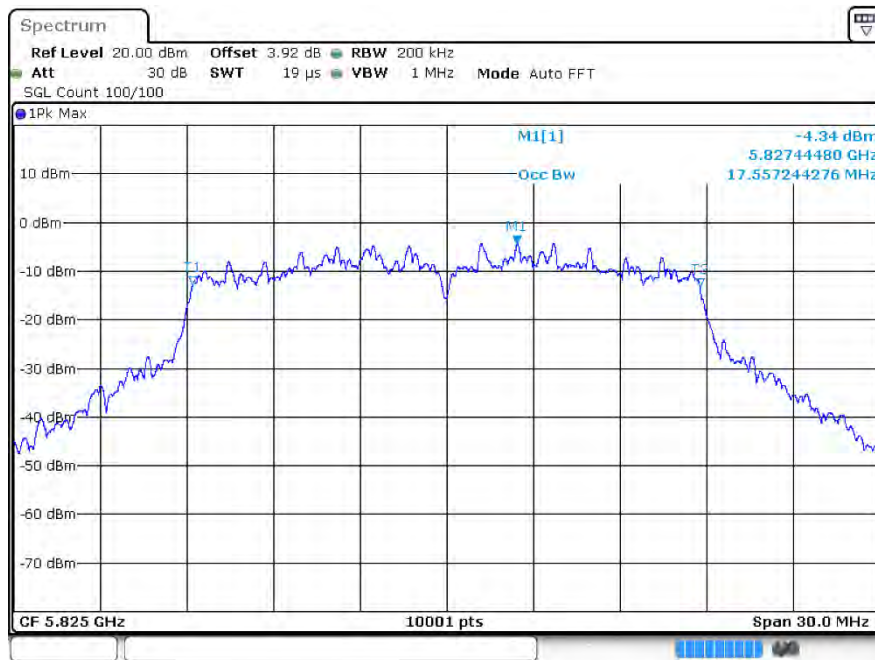


OBW ac20 5785MHz Ant1

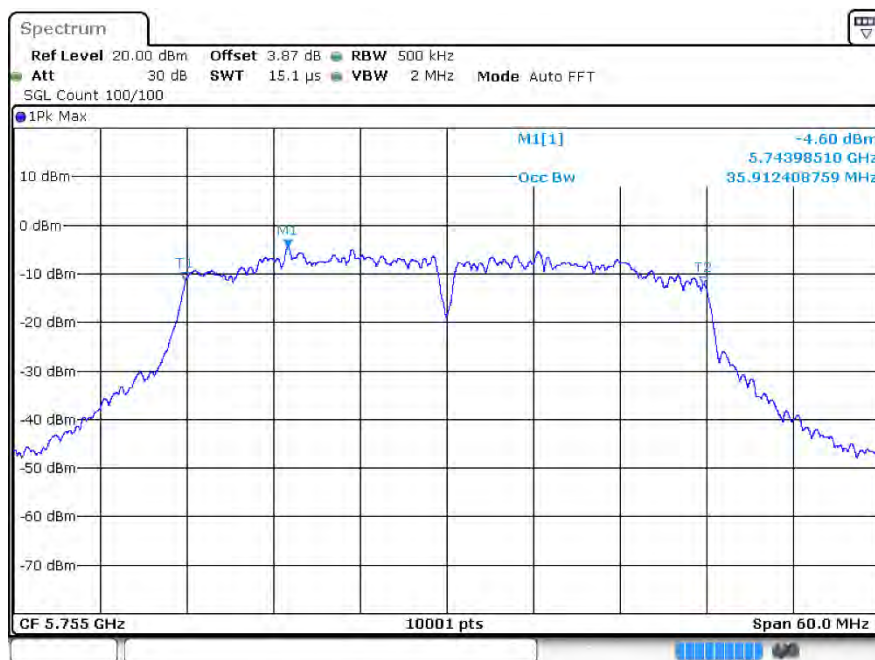




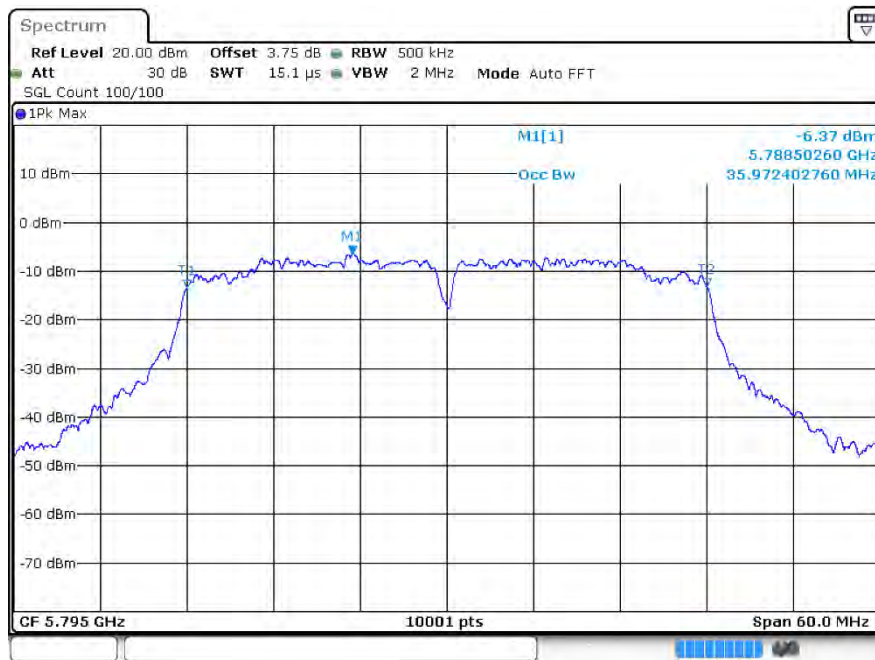
OBW ac20 5825MHz Ant1



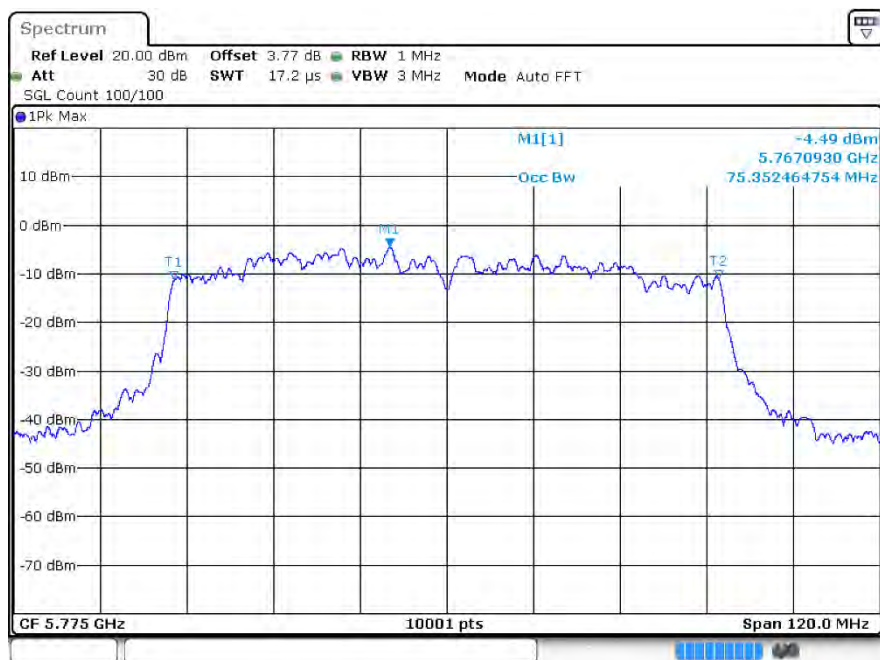
OBW ac40 5755MHz Ant1



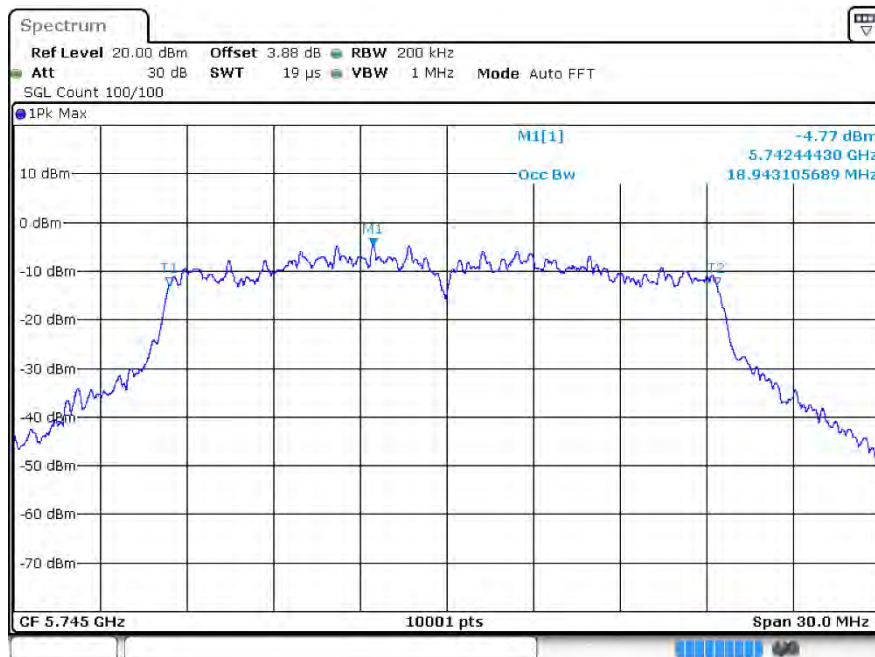
OBW ac40 5795MHz Ant1



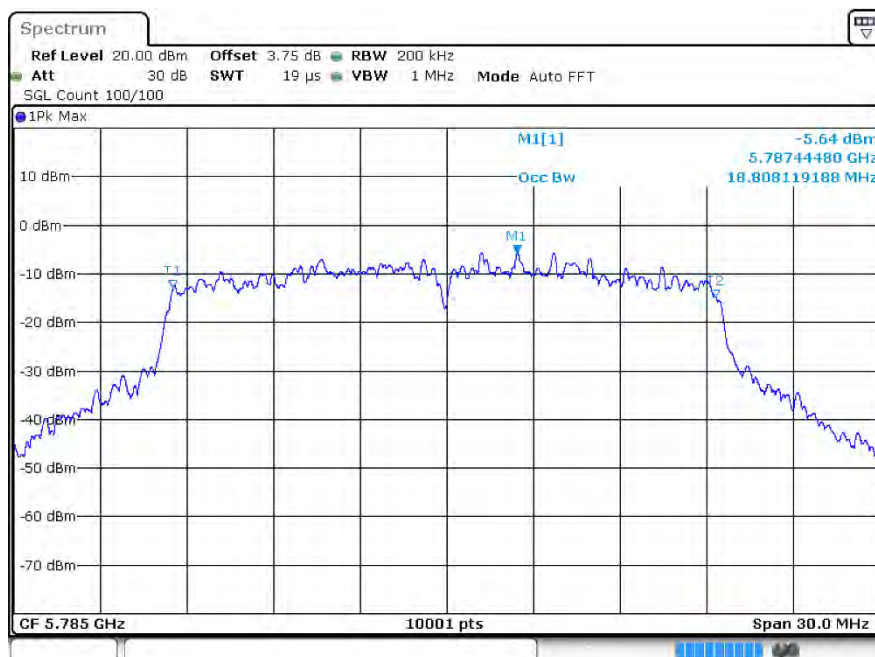
OBW ac80 5775MHz Ant1



OBW ax20 5745MHz Ant1



OBW ax20 5785MHz Ant1



OBW ax20 5825MHz Ant1

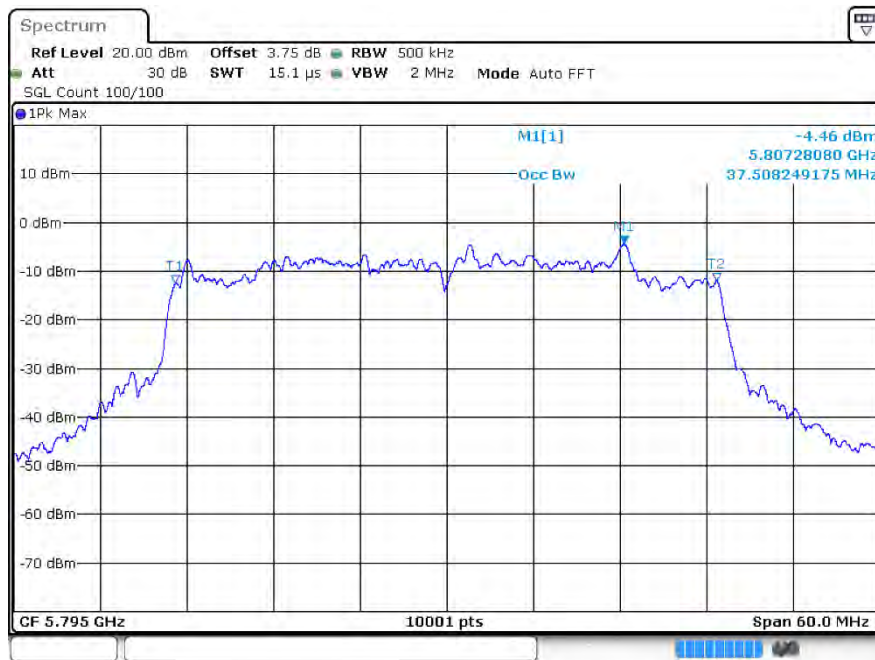


OBW ax40 5755MHz Ant1

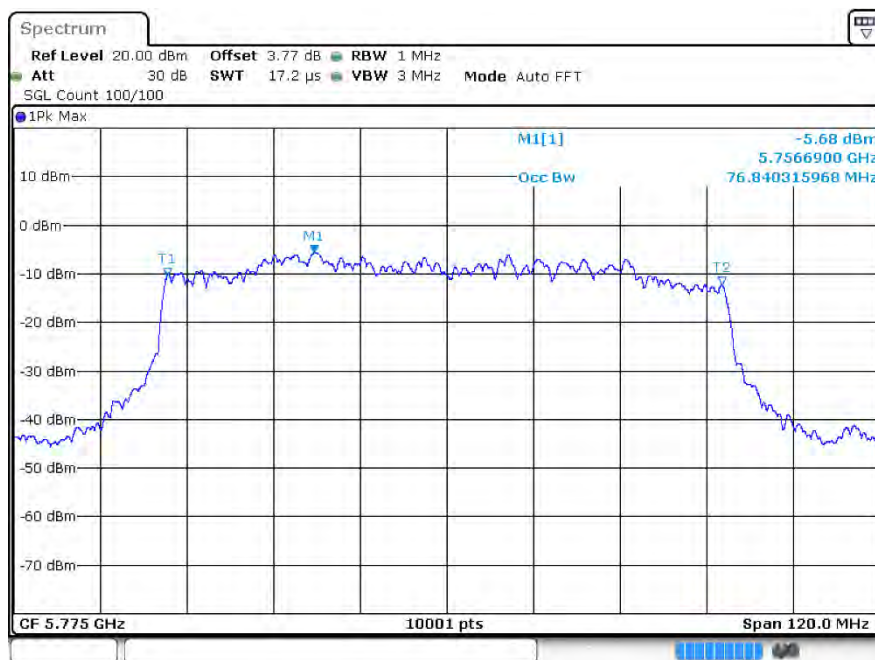




OBW ax40 5795MHz Ant1



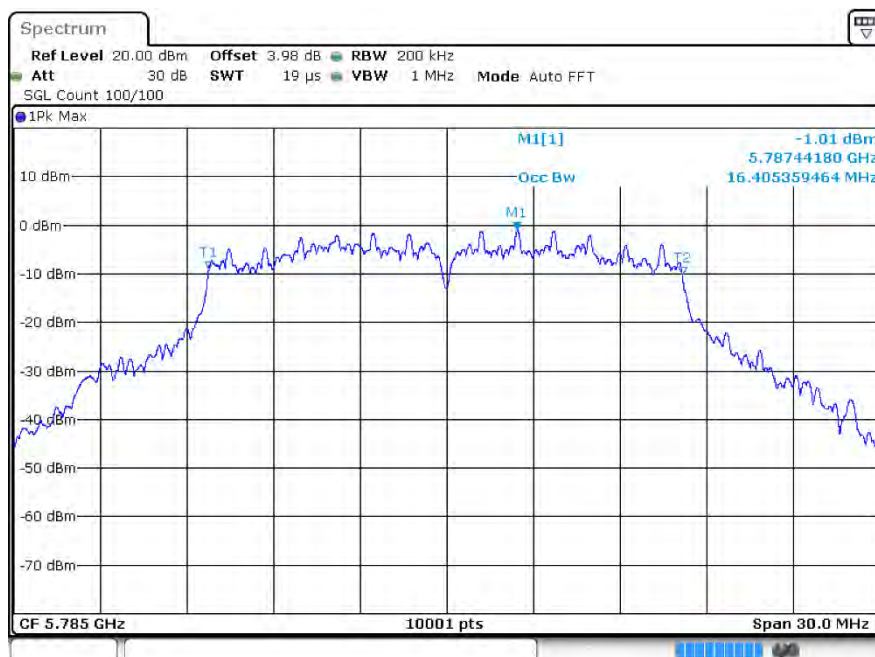
OBW ax80 5775MHz Ant1



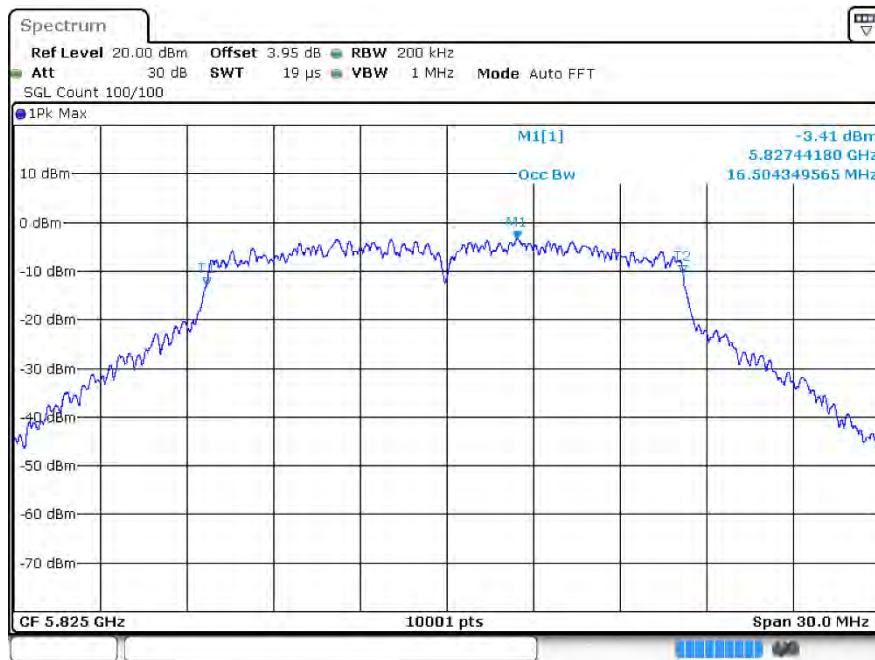
OBW a 5745MHz Ant2



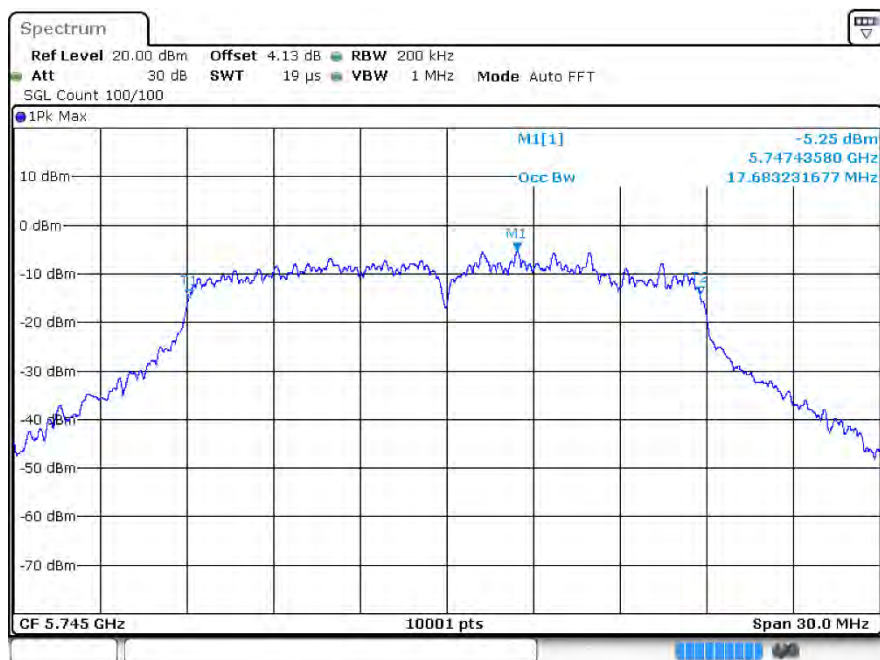
OBW a 5785MHz Ant2



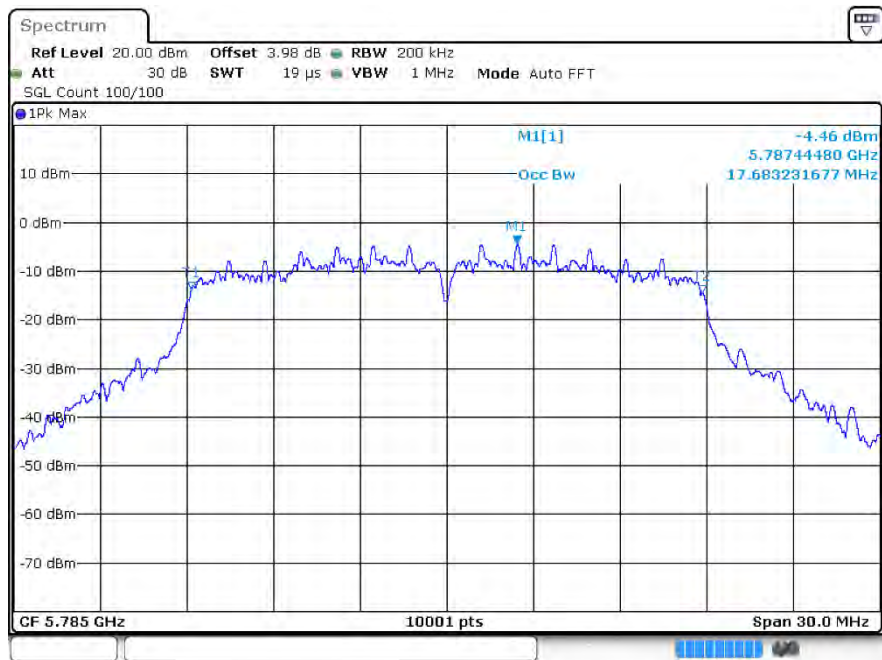
OBW a 5825MHz Ant2



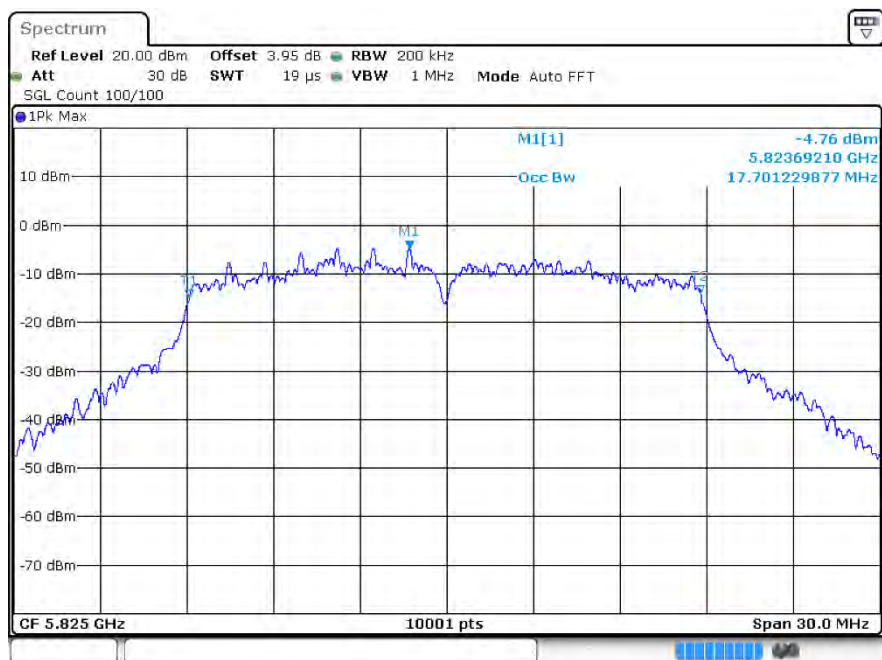
OBW n20 5745MHz Ant2



OBW n20 5785MHz Ant2

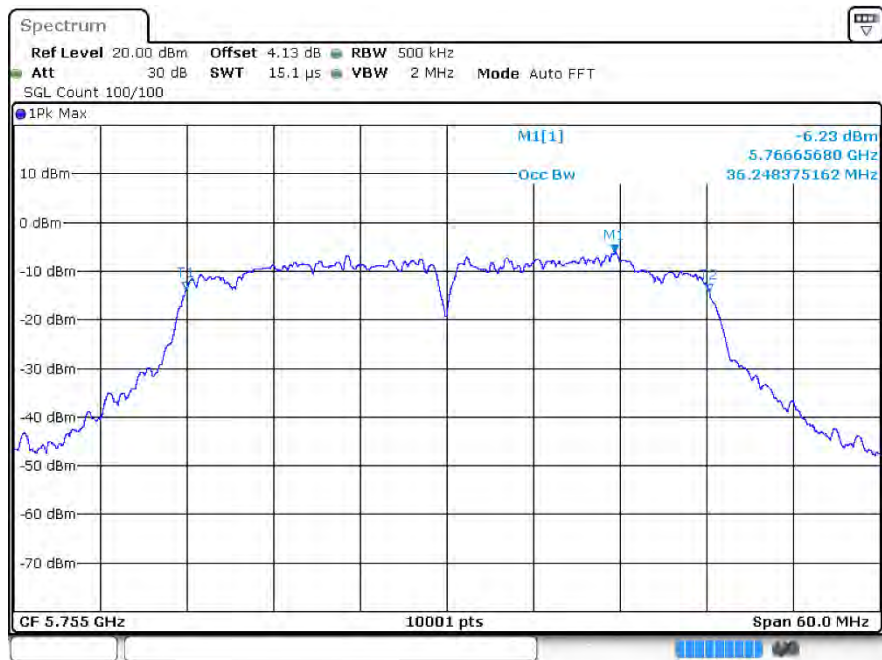


OBW n20 5825MHz Ant2

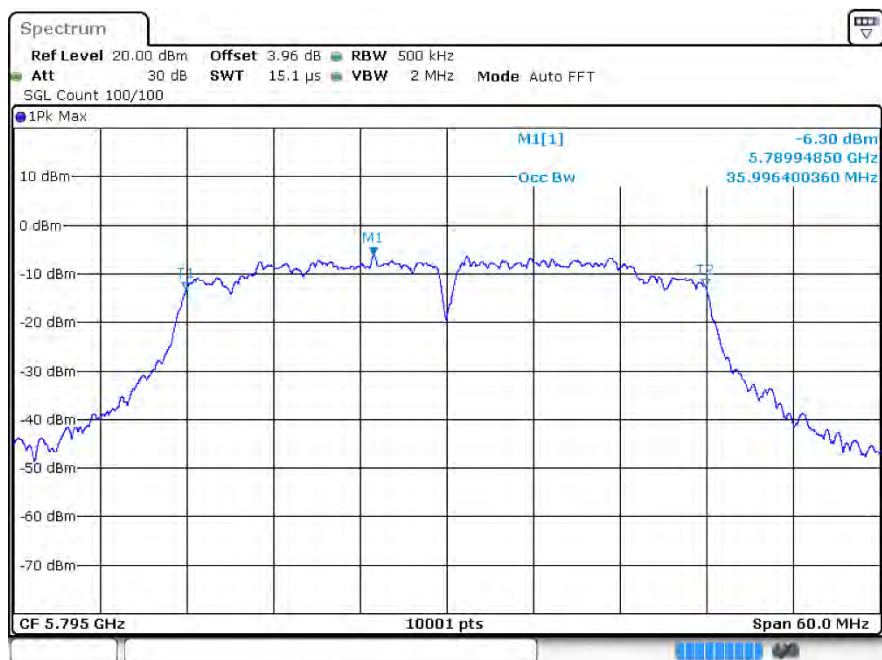




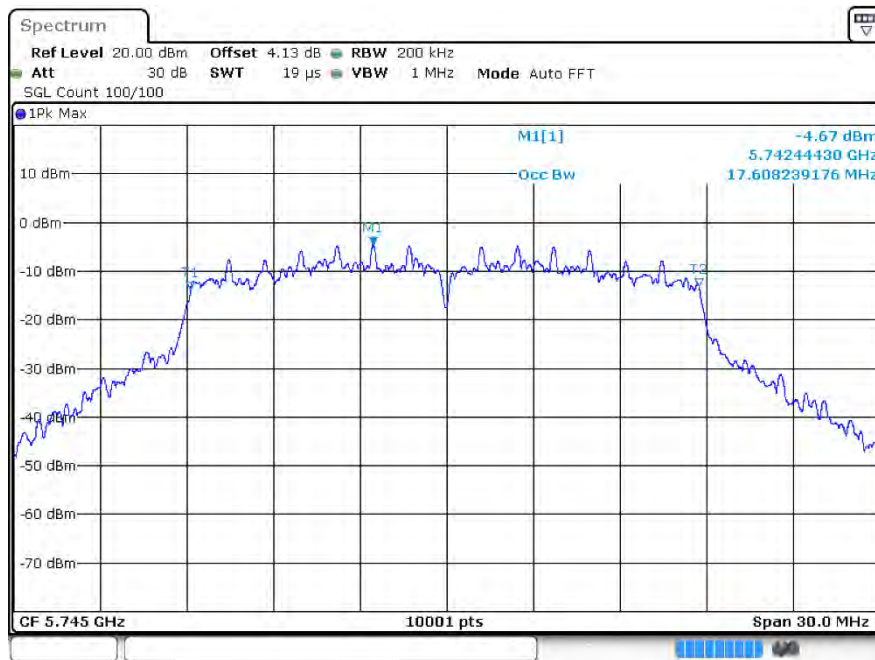
OBW n40 5755MHz Ant2



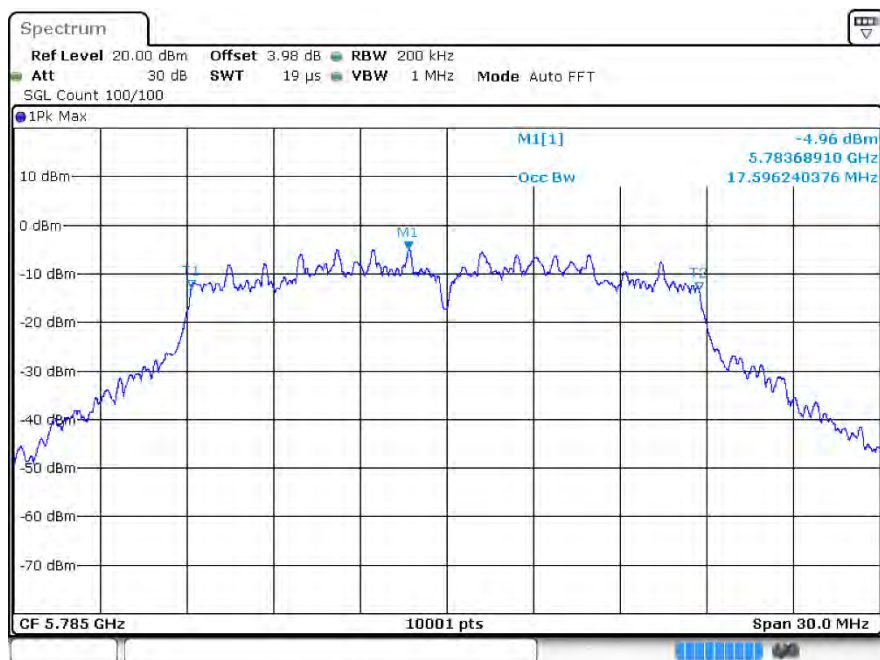
OBW n40 5795MHz Ant2



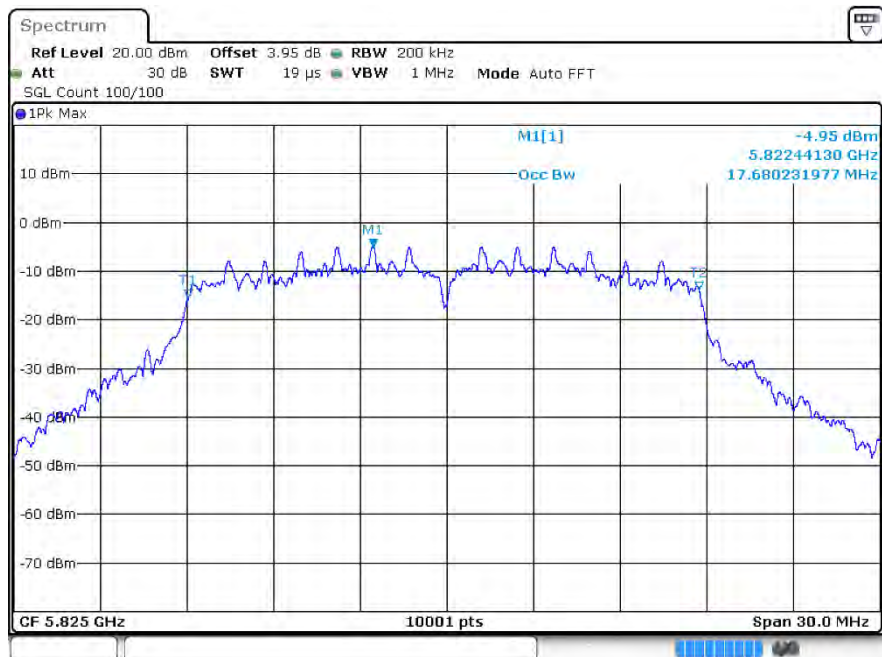
OBW ac20 5745MHz Ant2



OBW ac20 5785MHz Ant2



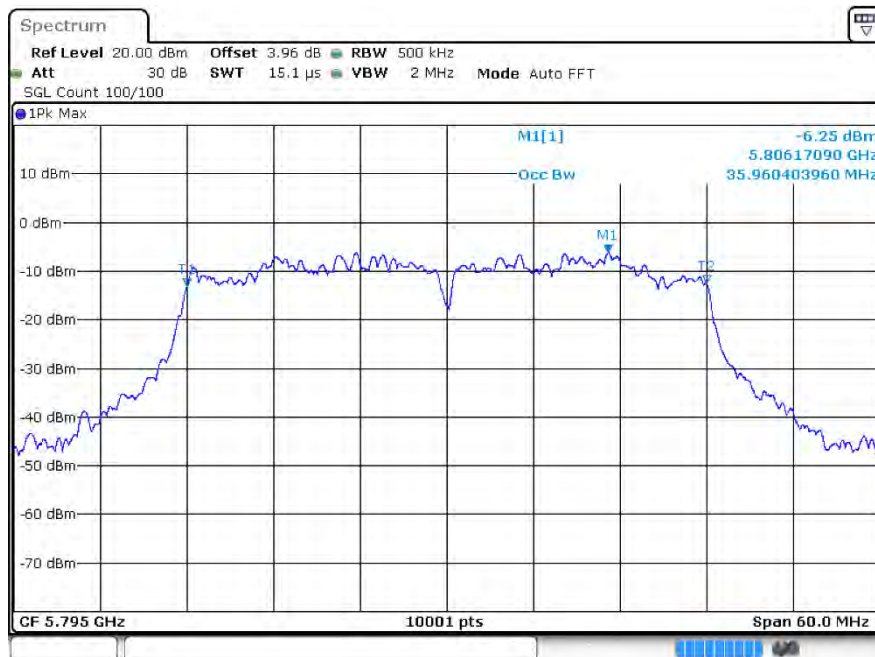
OBW ac20 5825MHz Ant2



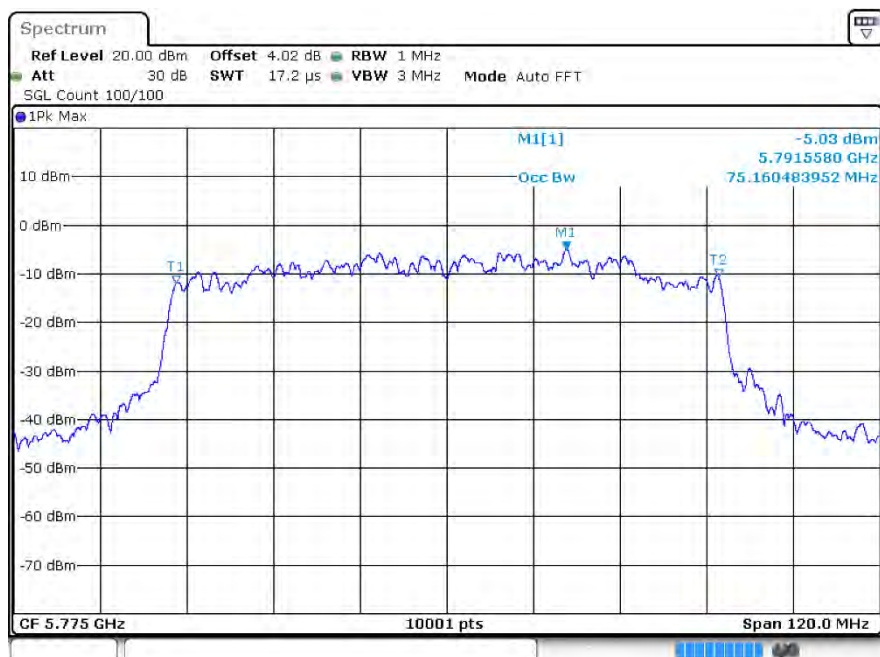
OBW ac40 5755MHz Ant2



OBW ac40 5795MHz Ant2

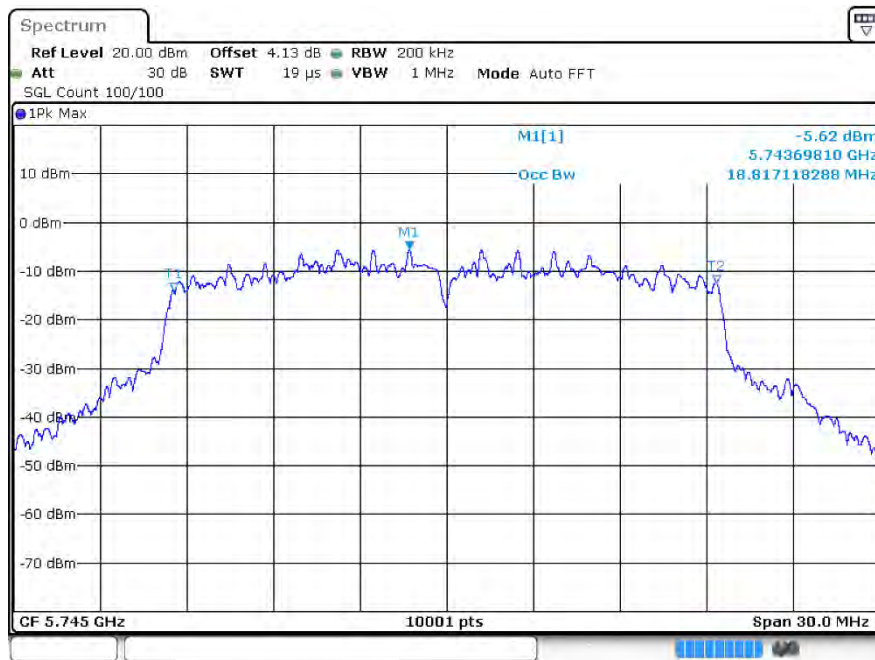


OBW ac80 5775MHz Ant2

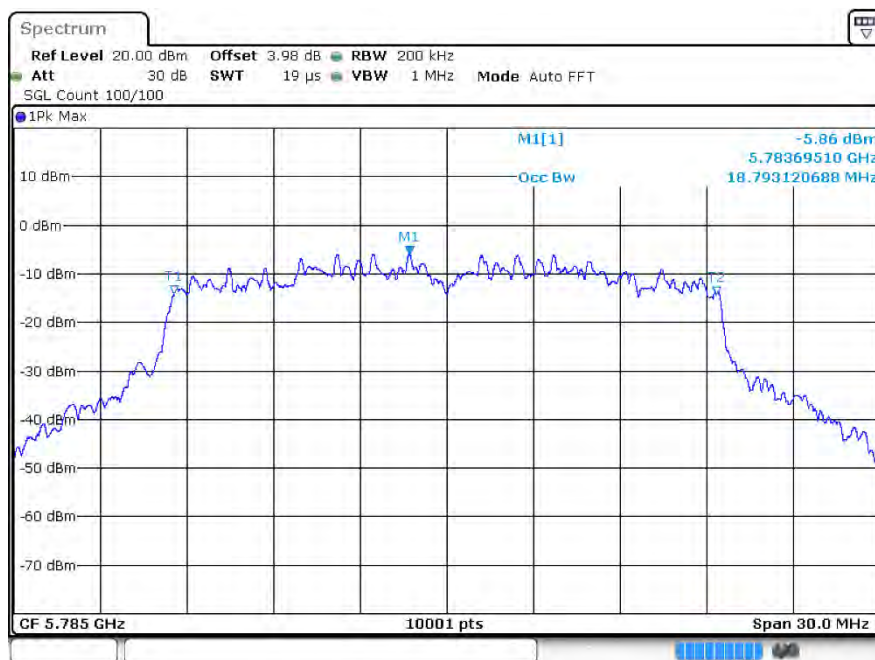




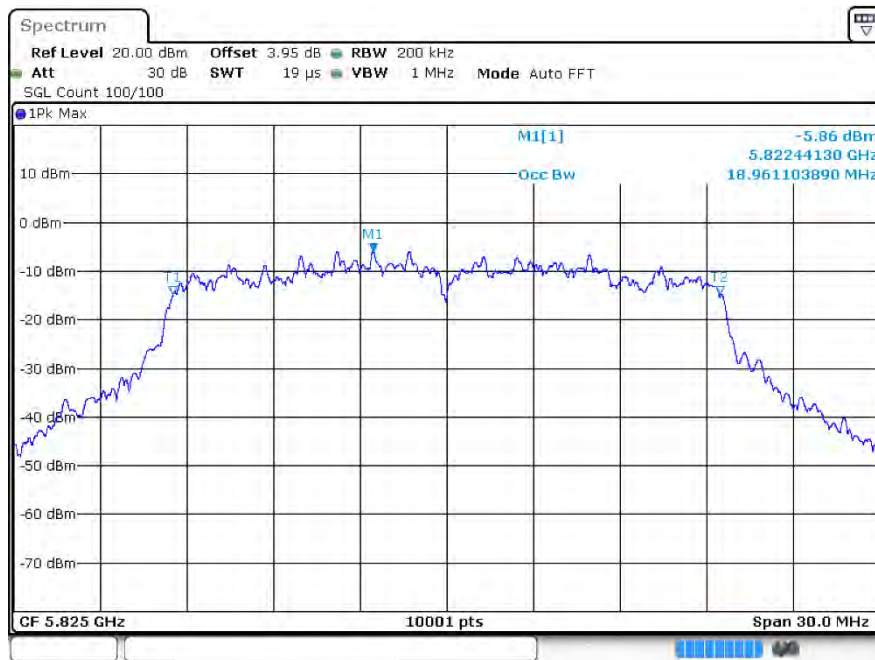
OBW ax20 5745MHz Ant2



OBW ax20 5785MHz Ant2



OBW ax20 5825MHz Ant2



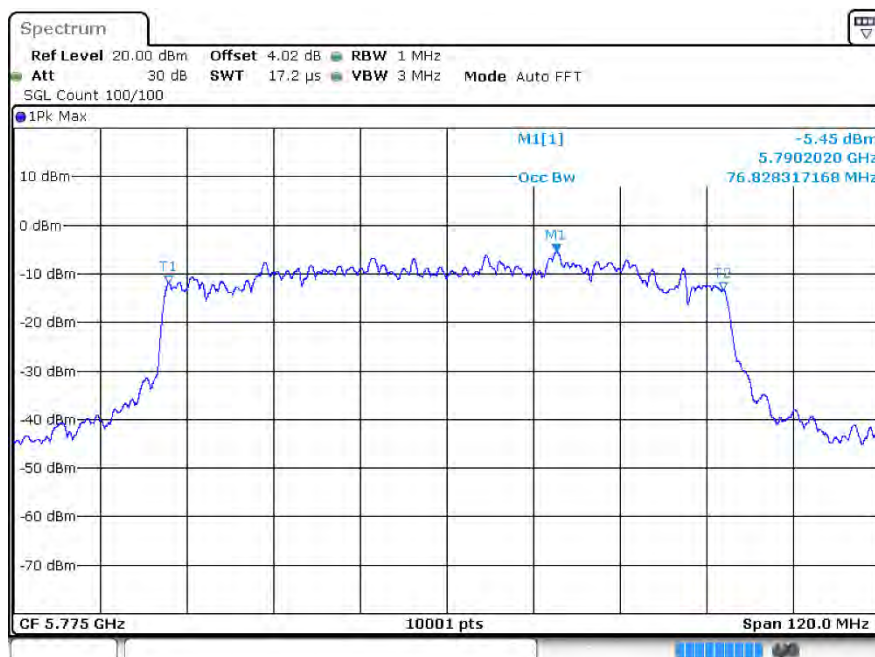
OBW ax40 5755MHz Ant2



OBW ax40 5795MHz Ant2



OBW ax80 5775MHz Ant2



## 5 Maximum Power Spectral Density Level

### 5.1 Test Result

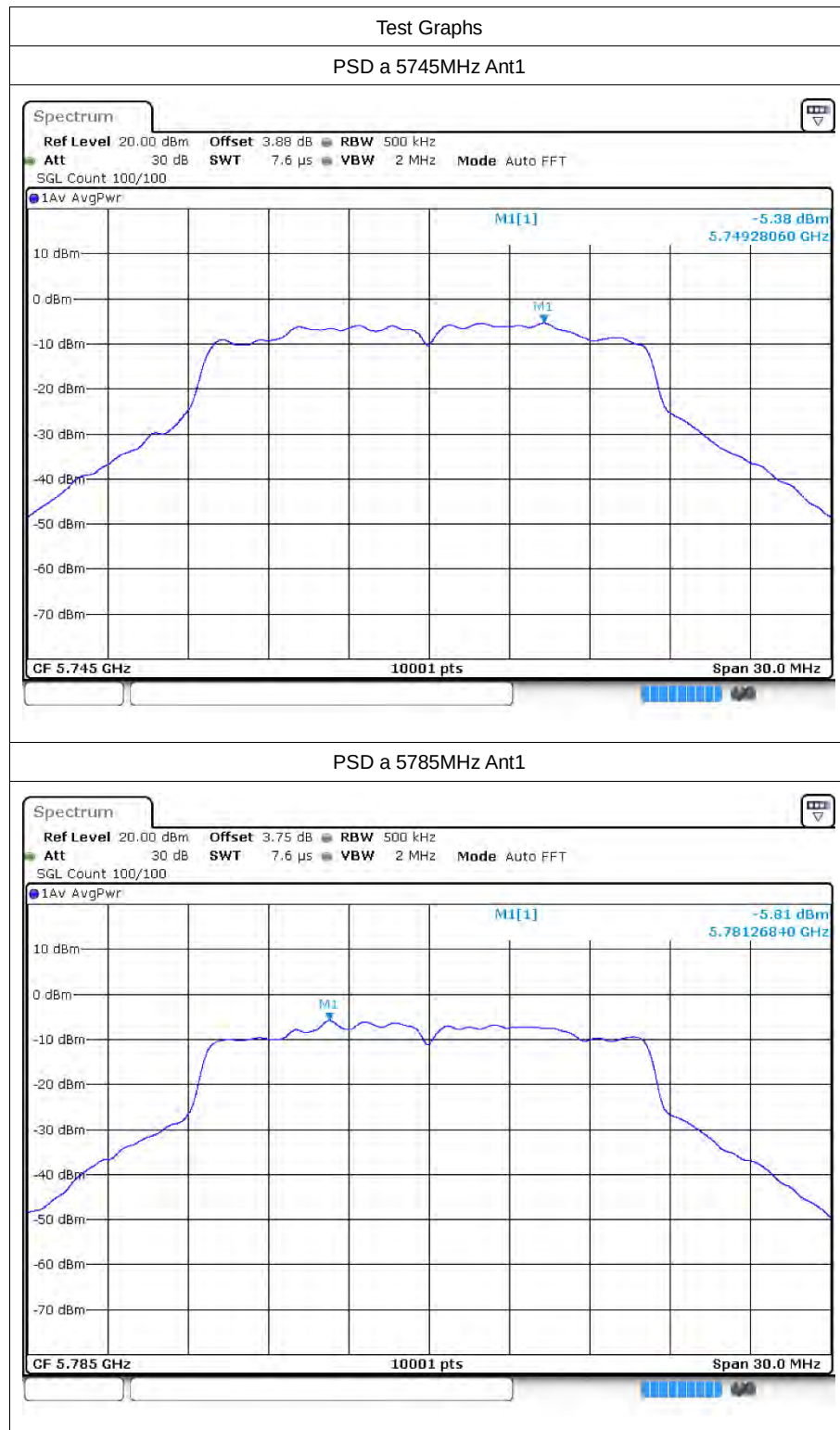
| Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Duty Factor (dB) | Total PSD (dBm) | Limit (dBm) | Verdict |
|------|-----------------|---------|---------------------|------------------|-----------------|-------------|---------|
| a    | 5745            | Ant1    | -5.38               | 0.6              | -4.78           | 30          | Pass    |
| a    | 5785            | Ant1    | -5.81               | 0.6              | -5.21           | 30          | Pass    |
| a    | 5825            | Ant1    | -5.93               | 0.61             | -5.32           | 30          | Pass    |
| a    | 5745            | Ant2    | -5.59               | 0.6              | -4.99           | 30          | Pass    |
| a    | 5785            | Ant2    | -6.17               | 0.6              | -5.57           | 30          | Pass    |
| a    | 5825            | Ant2    | -6.14               | 0.61             | -5.53           | 30          | Pass    |
| n20  | 5745            | Ant1    | -8.79               | 0                | -8.79           | 30          | Pass    |
| n20  | 5745            | Ant2    | -9.45               | 0                | -9.45           | 30          | Pass    |
| n20  | 5745            | Sum     | -                   | -                | -6.10           | 30          | Pass    |
| n20  | 5785            | Ant1    | -9.88               | 0                | -9.88           | 30          | Pass    |
| n20  | 5785            | Ant2    | -9.41               | 0                | -9.41           | 30          | Pass    |
| n20  | 5785            | Sum     | -                   | -                | -6.63           | 30          | Pass    |
| n20  | 5825            | Ant1    | -8.88               | 0                | -8.88           | 30          | Pass    |
| n20  | 5825            | Ant2    | -9.82               | 0                | -9.82           | 30          | Pass    |
| n20  | 5825            | Sum     | -                   | -                | -6.31           | 30          | Pass    |
| n40  | 5755            | Ant1    | -12.51              | 0                | -12.51          | 30          | Pass    |
| n40  | 5755            | Ant2    | -13.48              | 0                | -13.48          | 30          | Pass    |
| n40  | 5755            | Sum     | -                   | -                | -9.96           | 30          | Pass    |
| n40  | 5795            | Ant1    | -13.38              | 0                | -13.38          | 30          | Pass    |
| n40  | 5795            | Ant2    | -13.38              | 0                | -13.38          | 30          | Pass    |
| n40  | 5795            | Sum     | -                   | -                | -10.37          | 30          | Pass    |
| ac20 | 5745            | Ant1    | -9.1                | 0                | -9.1            | 30          | Pass    |
| ac20 | 5745            | Ant2    | -9.23               | 0                | -9.23           | 30          | Pass    |
| ac20 | 5745            | Sum     | -                   | -                | -6.15           | 30          | Pass    |
| ac20 | 5785            | Ant1    | -9.38               | 0                | -9.38           | 30          | Pass    |
| ac20 | 5785            | Ant2    | -9.41               | 0                | -9.41           | 30          | Pass    |
| ac20 | 5785            | Sum     | -                   | -                | -6.38           | 30          | Pass    |
| ac20 | 5825            | Ant1    | -9.34               | 0                | -9.34           | 30          | Pass    |
| ac20 | 5825            | Ant2    | -10.32              | 0                | -10.32          | 30          | Pass    |
| ac20 | 5825            | Sum     | -                   | -                | -6.79           | 30          | Pass    |
| ac40 | 5755            | Ant1    | -12.55              | 0                | -12.55          | 30          | Pass    |
| ac40 | 5755            | Ant2    | -13.84              | 0                | -13.84          | 30          | Pass    |
| ac40 | 5755            | Sum     | -                   | -                | -10.14          | 30          | Pass    |
| ac40 | 5795            | Ant1    | -13.44              | 0                | -13.44          | 30          | Pass    |





|      |      |      |        |   |        |    |      |
|------|------|------|--------|---|--------|----|------|
| ac40 | 5795 | Ant2 | -13.58 | 0 | -13.58 | 30 | Pass |
| ac40 | 5795 | Sum  | -      | - | -10.50 | 30 | Pass |
| ac80 | 5775 | Ant1 | -16.21 | 0 | -16.21 | 30 | Pass |
| ac80 | 5775 | Ant2 | -17.35 | 0 | -17.35 | 30 | Pass |
| ac80 | 5775 | Sum  | -      | - | -13.73 | 30 | Pass |
| ax20 | 5745 | Ant1 | -9.78  | 0 | -9.78  | 30 | Pass |
| ax20 | 5745 | Ant2 | -9.87  | 0 | -9.87  | 30 | Pass |
| ax20 | 5745 | Sum  | -      | - | -6.81  | 30 | Pass |
| ax20 | 5785 | Ant1 | -10.74 | 0 | -10.74 | 30 | Pass |
| ax20 | 5785 | Ant2 | -10.91 | 0 | -10.91 | 30 | Pass |
| ax20 | 5785 | Sum  | -      |   | -7.81  | 30 | Pass |
| ax20 | 5825 | Ant1 | -10.56 | 0 | -10.56 | 30 | Pass |
| ax20 | 5825 | Ant2 | -10.88 | 0 | -10.88 | 30 | Pass |
| ax20 | 5825 | Sum  | -      | - | -7.71  | 30 | Pass |
| ax40 | 5755 | Ant1 | -13.25 | 0 | -13.25 | 30 | Pass |
| ax40 | 5755 | Ant2 | -15.1  | 0 | -15.1  | 30 | Pass |
| ax40 | 5755 | Sum  | -      | - | -11.07 | 30 | Pass |
| ax40 | 5795 | Ant1 | -14.34 | 0 | -14.34 | 30 | Pass |
| ax40 | 5795 | Ant2 | -14.99 | 0 | -14.99 | 30 | Pass |
| ax40 | 5795 | Sum  | -      | - | -11.64 | 30 | Pass |
| ax80 | 5775 | Ant1 | -16.91 | 0 | -16.91 | 30 | Pass |
| ax80 | 5775 | Ant2 | -18.12 | 0 | -18.12 | 30 | Pass |
| ax80 | 5775 | Sum  | -      | - | -14.46 | 30 | Pass |

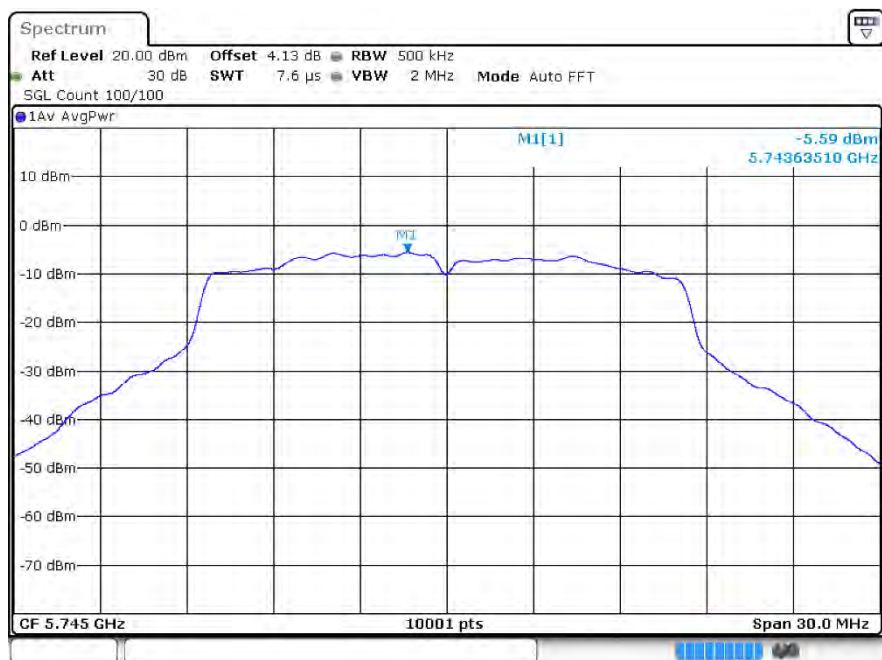
## 5.2 Test Graphs



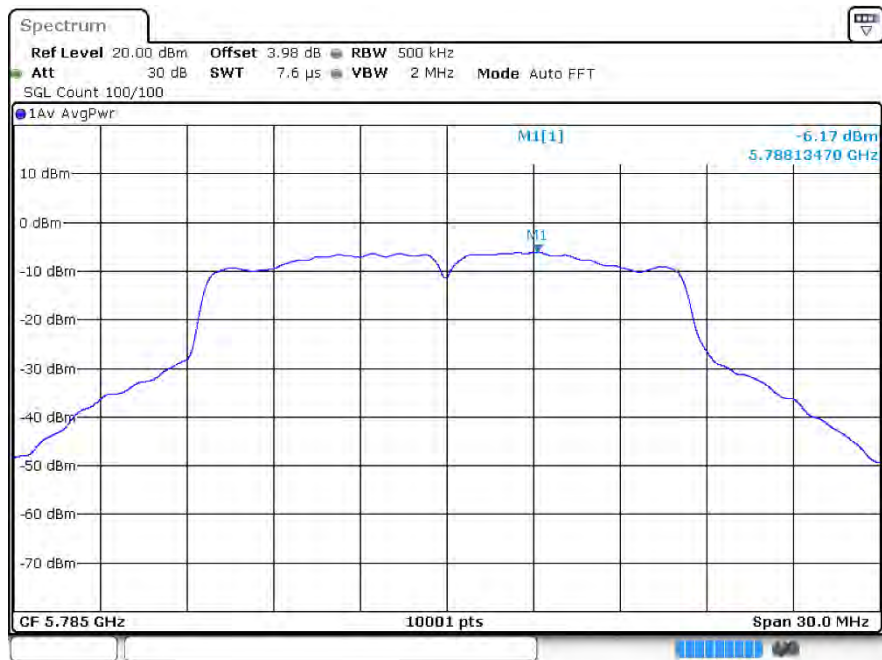
PSD a 5825MHz Ant1



PSD a 5745MHz Ant2



PSD a 5785MHz Ant2



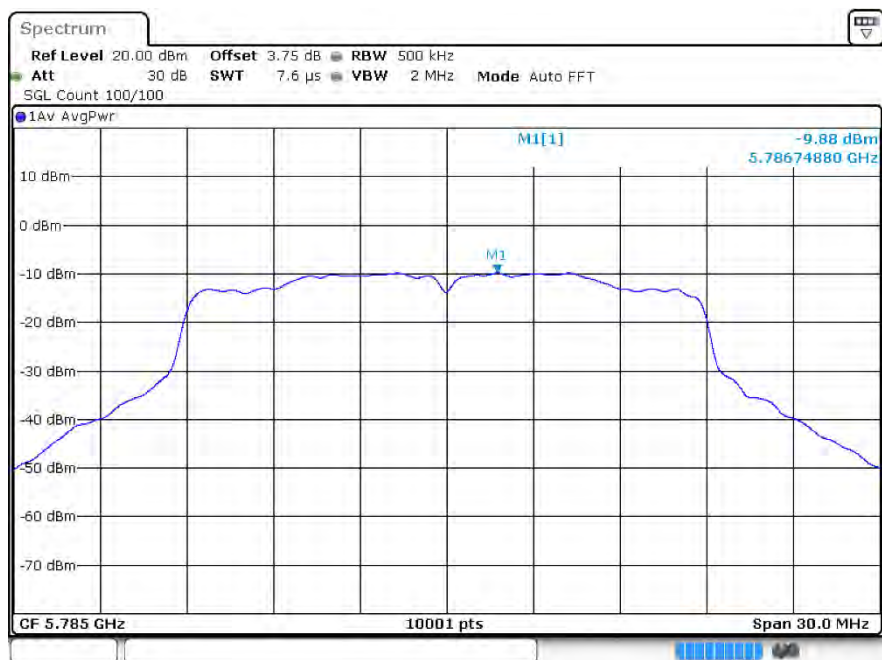
PSD a 5825MHz Ant2



PSD n20 5745MHz Ant1



PSD n20 5785MHz Ant1

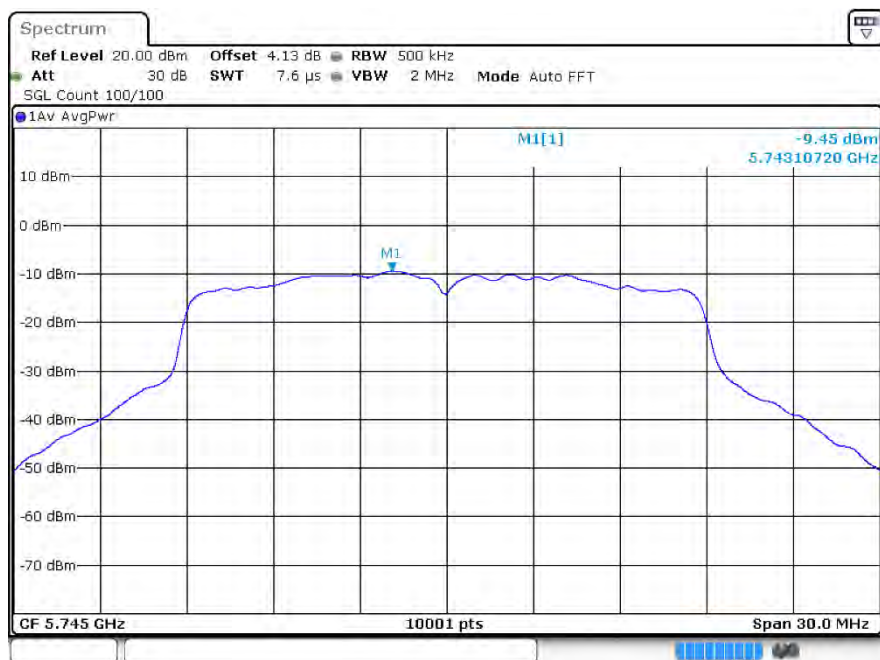




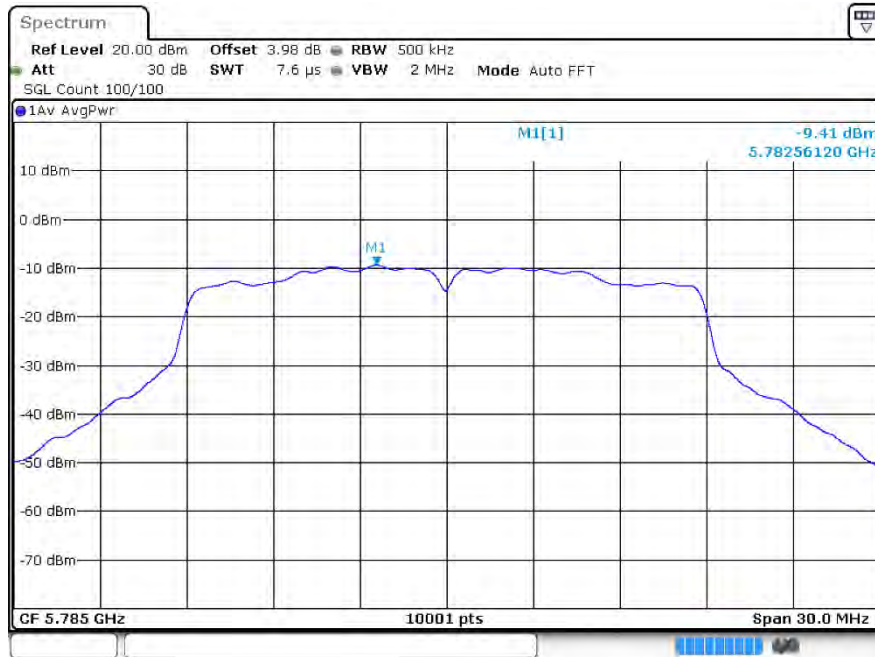
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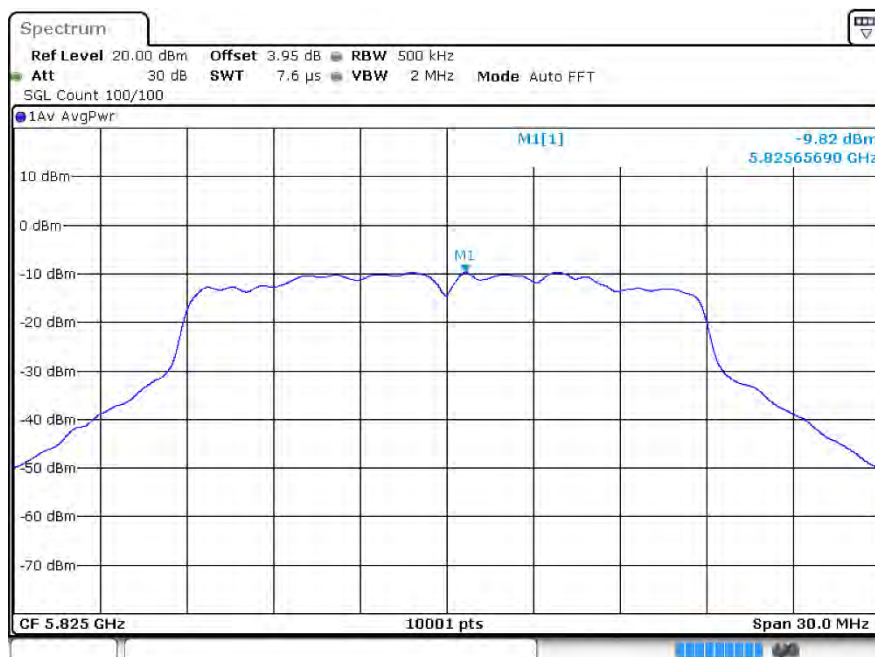
PSD n20 5745MHz Ant2



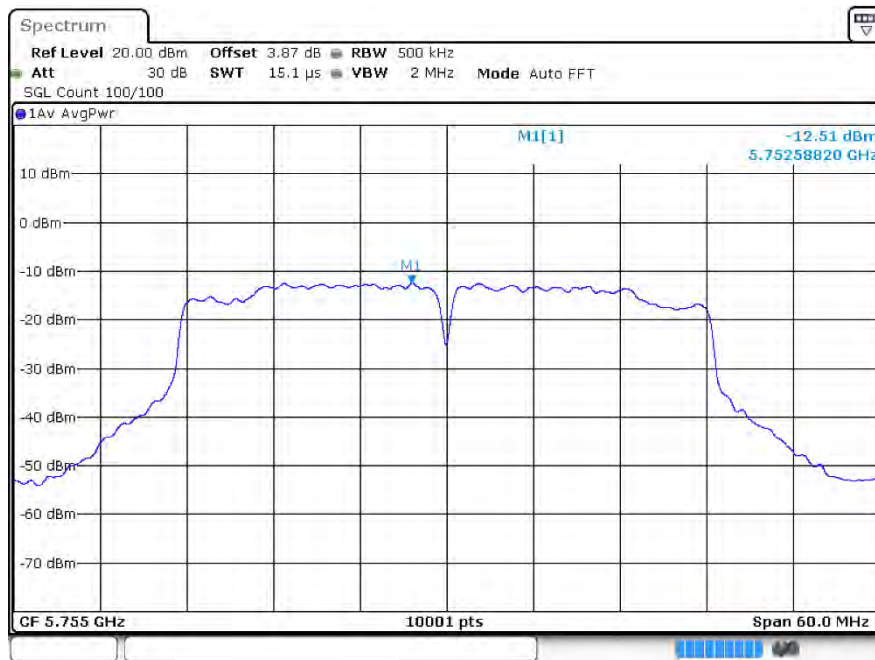
PSD n20 5785MHz Ant2



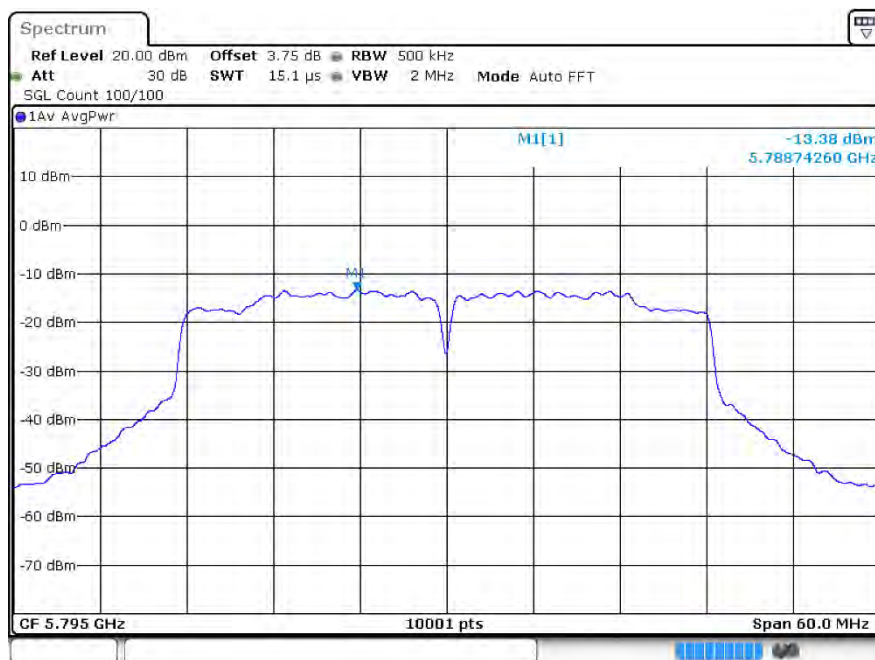
PSD n20 5825MHz Ant2



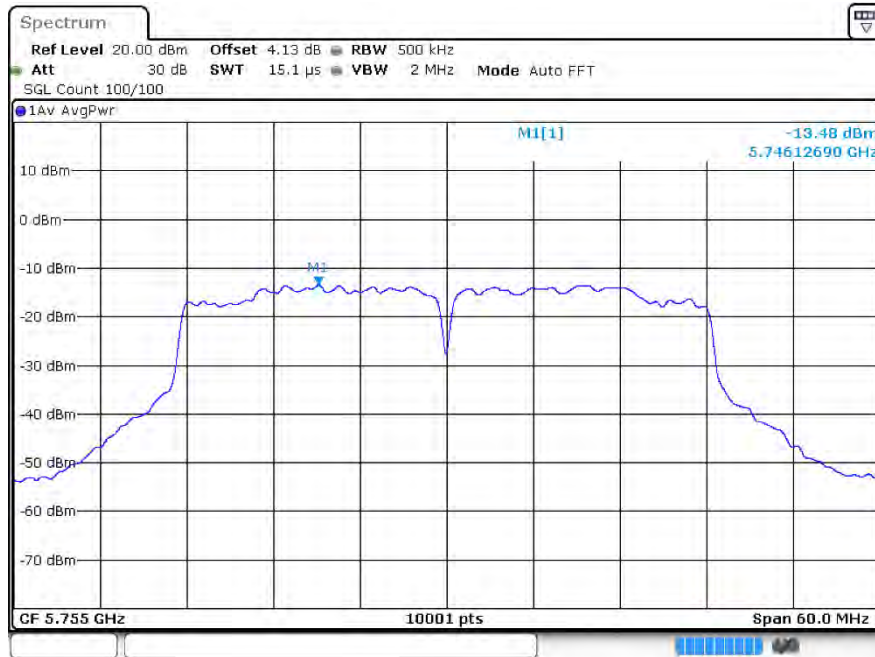
PSD n40 5755MHz Ant1



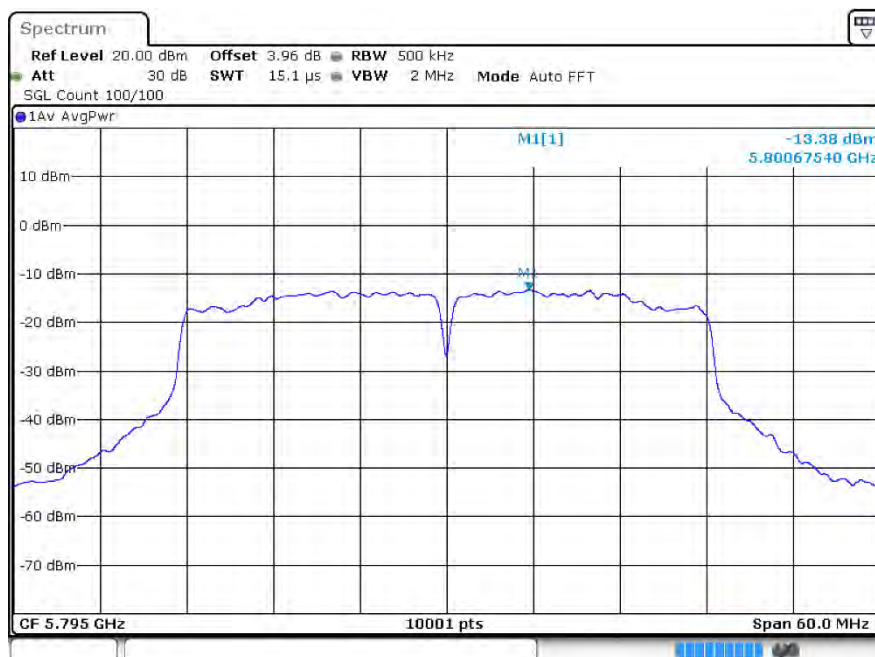
PSD n40 5795MHz Ant1



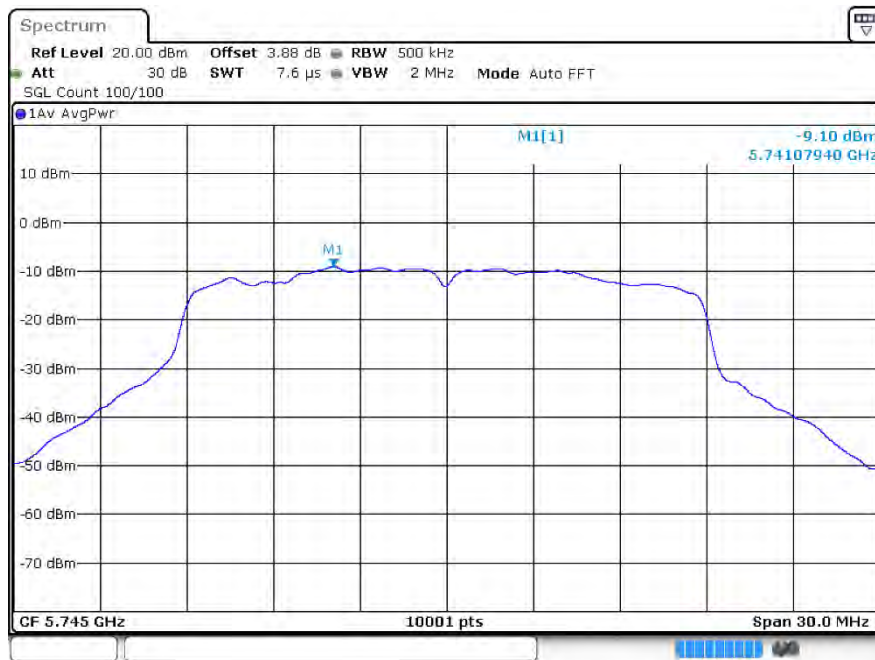
PSD n40 5755MHz Ant2



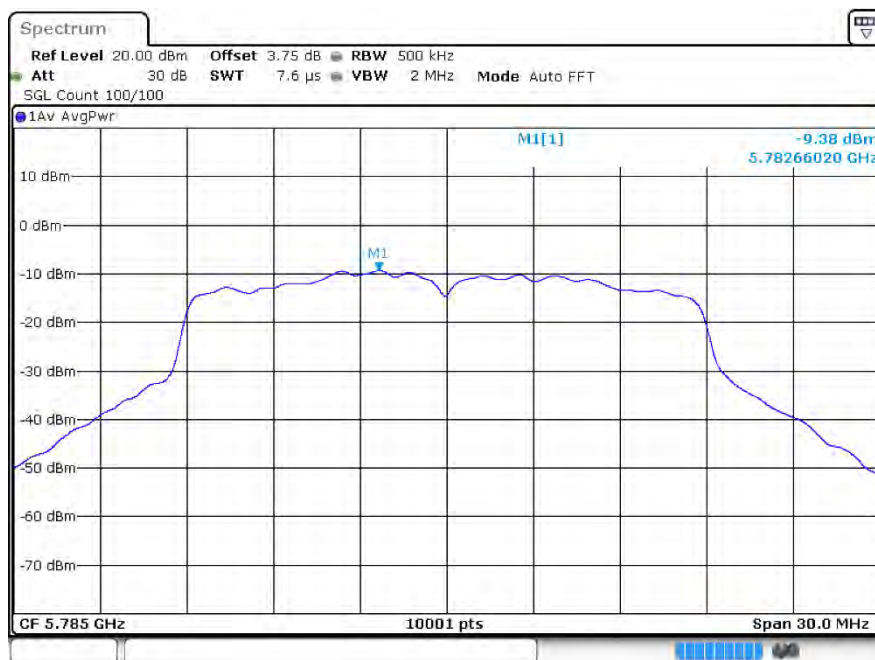
PSD n40 5795MHz Ant2



PSD ac20 5745MHz Ant1

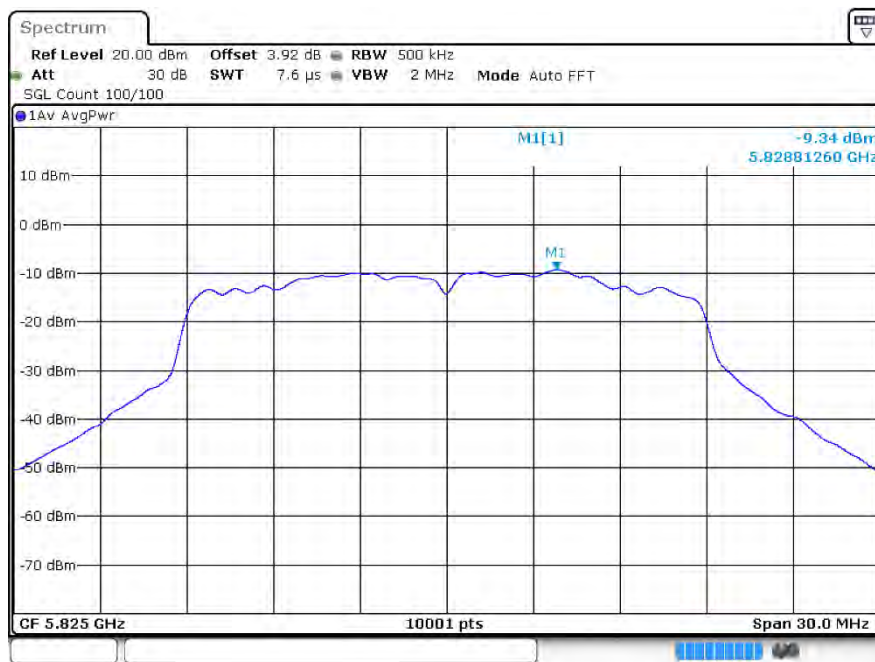


PSD ac20 5785MHz Ant1

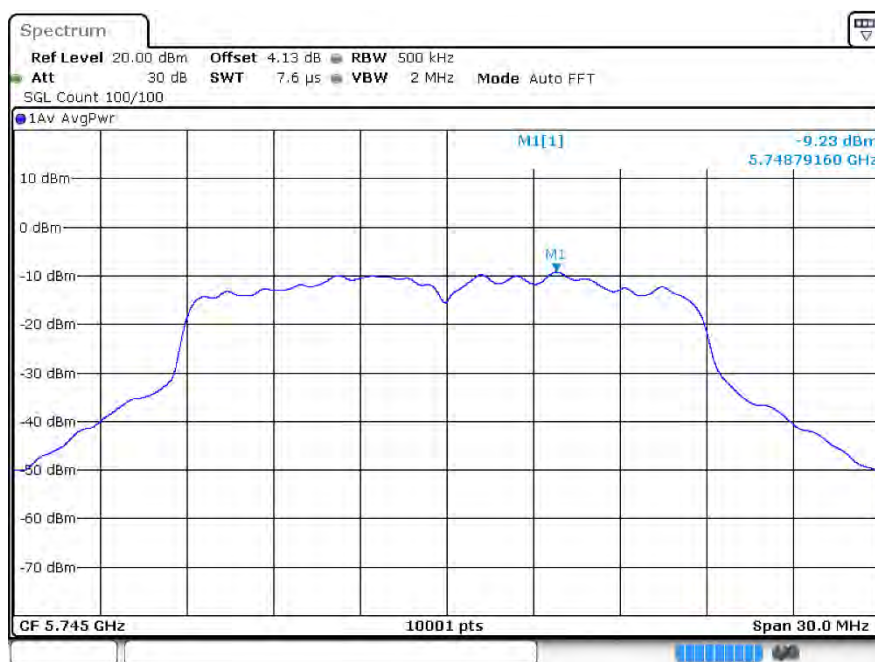




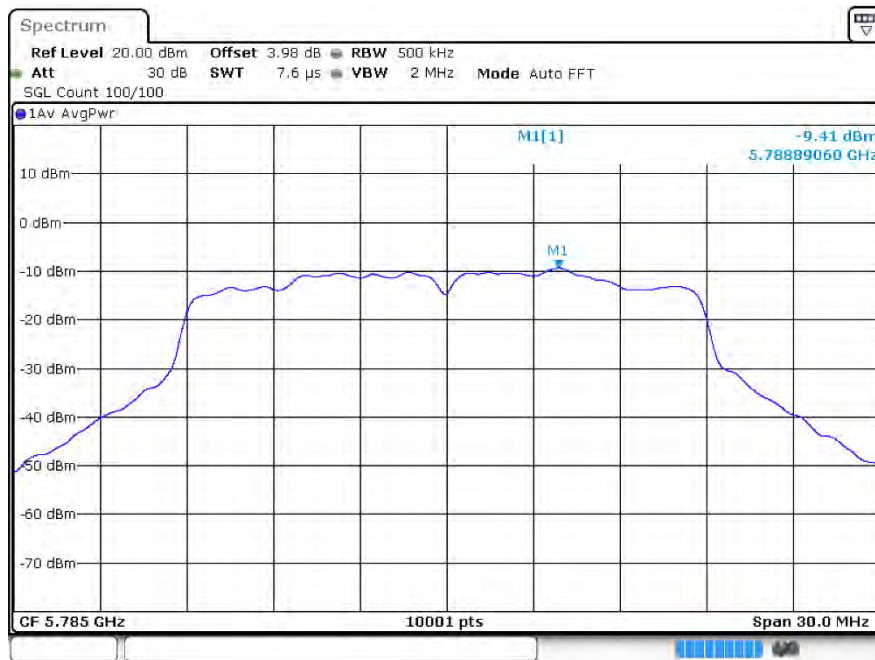
PSD ac20 5825MHz Ant1



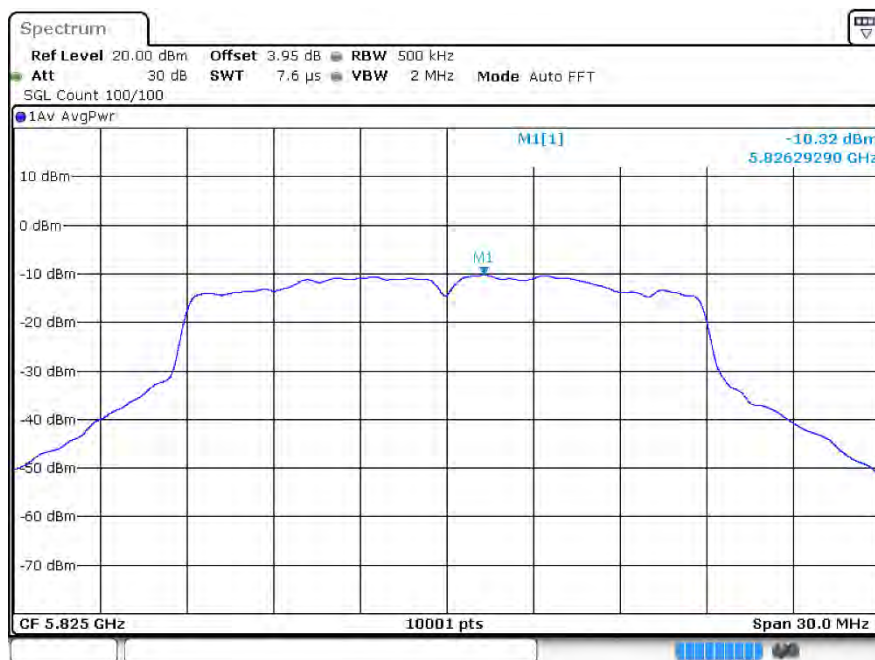
PSD ac20 5745MHz Ant2



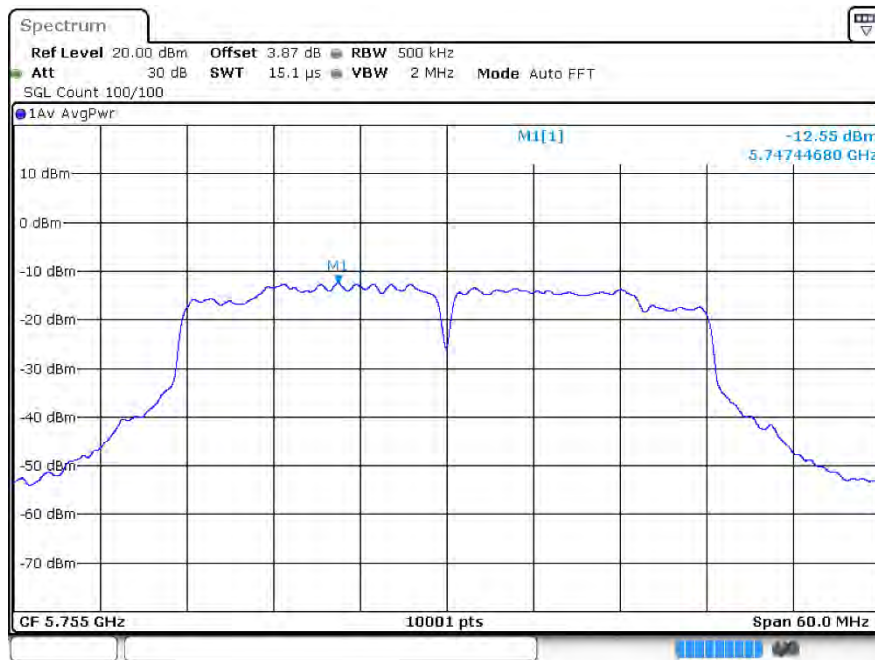
PSD ac20 5785MHz Ant2



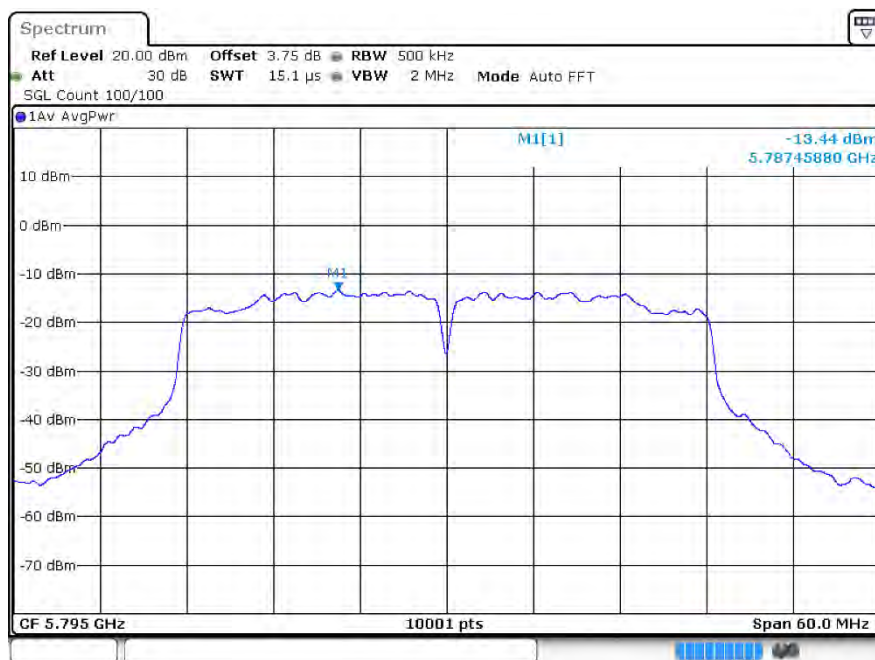
PSD ac20 5825MHz Ant2



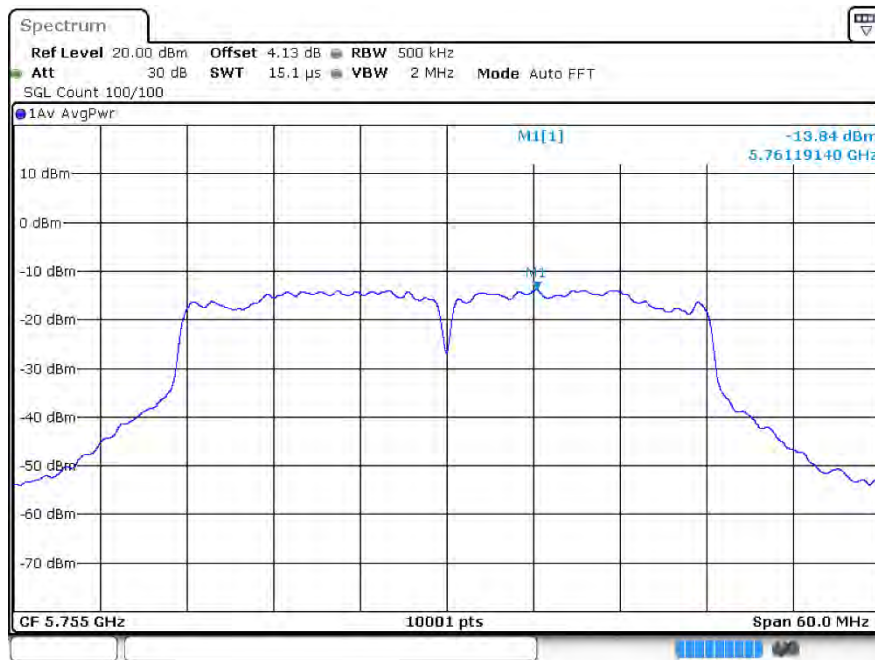
PSD ac40 5755MHz Ant1



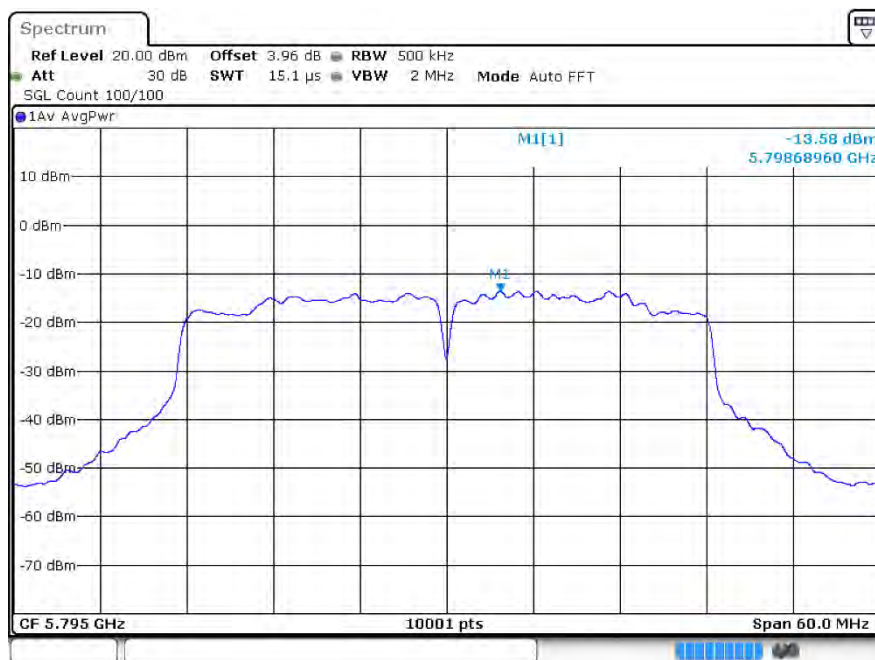
PSD ac40 5795MHz Ant1



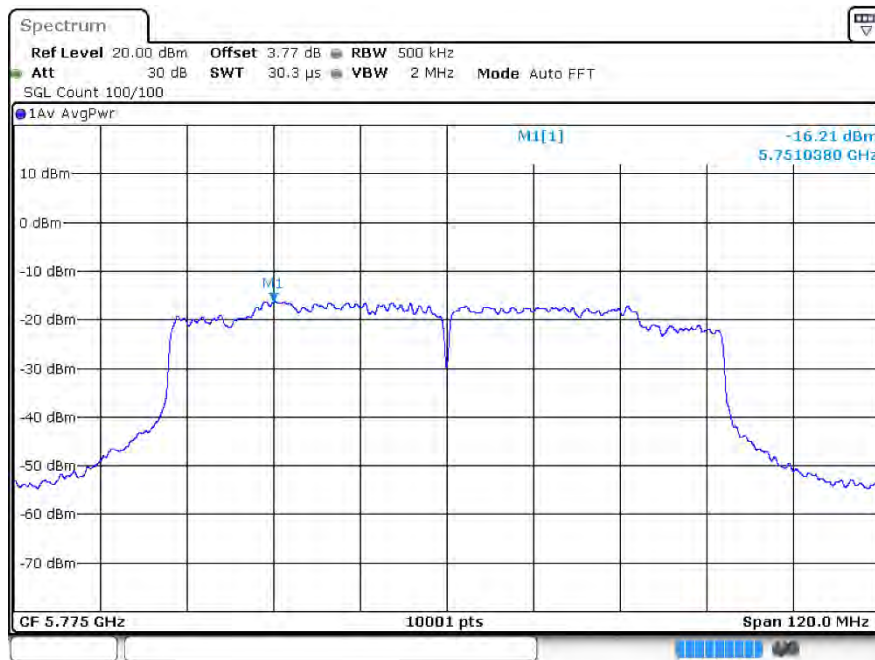
PSD ac40 5755MHz Ant2



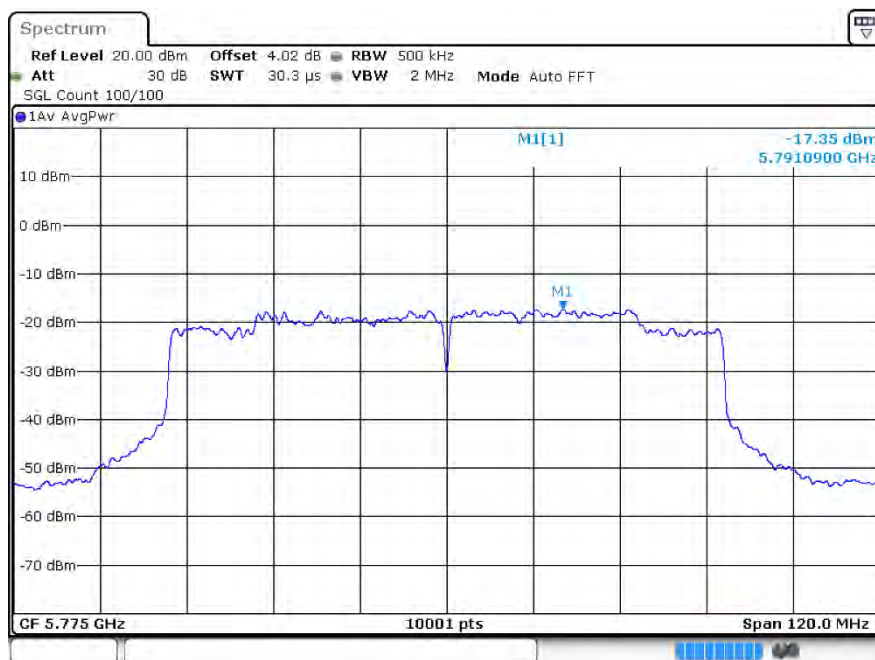
PSD ac40 5795MHz Ant2



PSD ac80 5775MHz Ant1

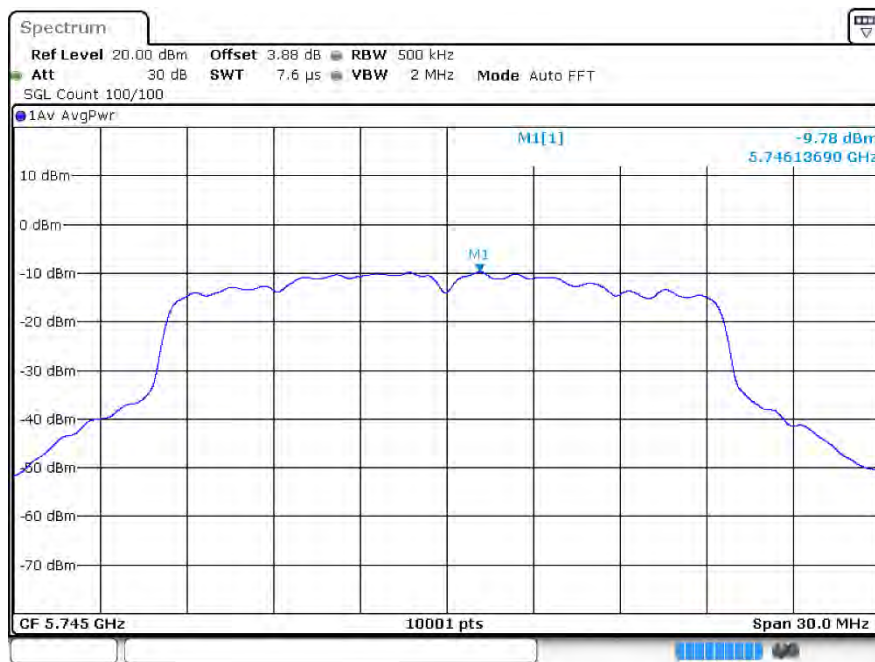


PSD ac80 5775MHz Ant2

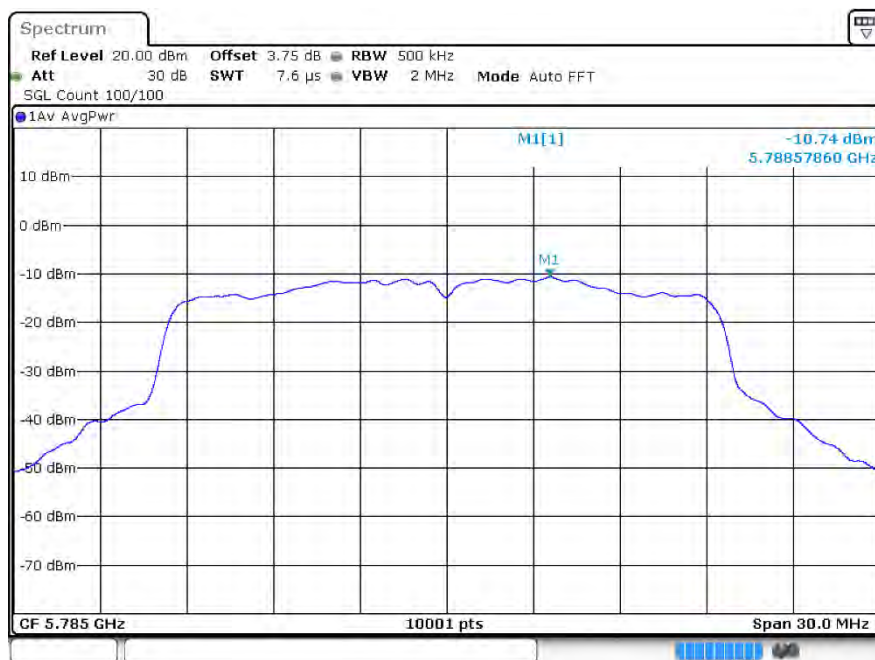




PSD ax20 5745MHz Ant1



PSD ax20 5785MHz Ant1



PSD ax20 5825MHz Ant1



PSD ax20 5745MHz Ant2

