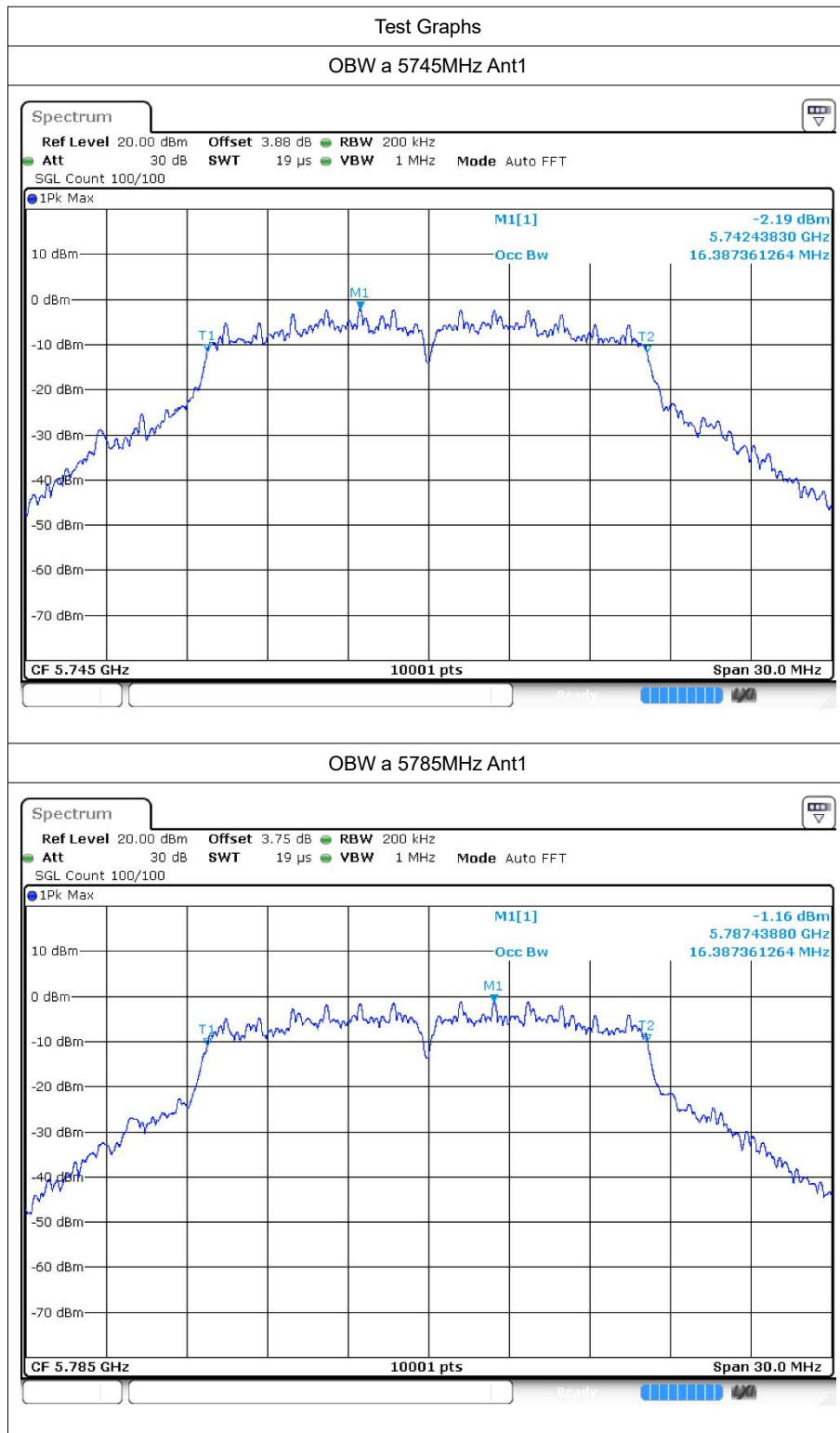
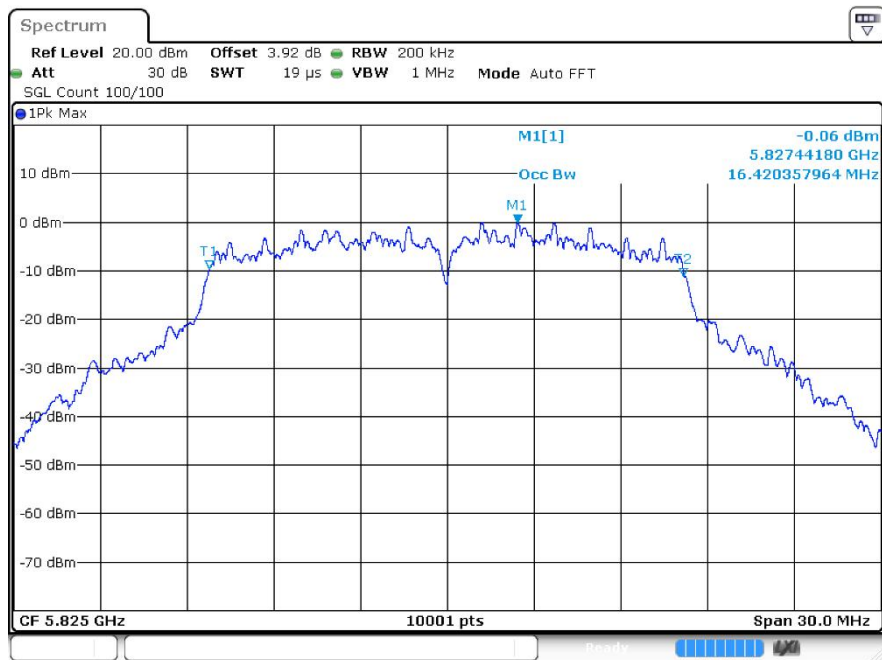


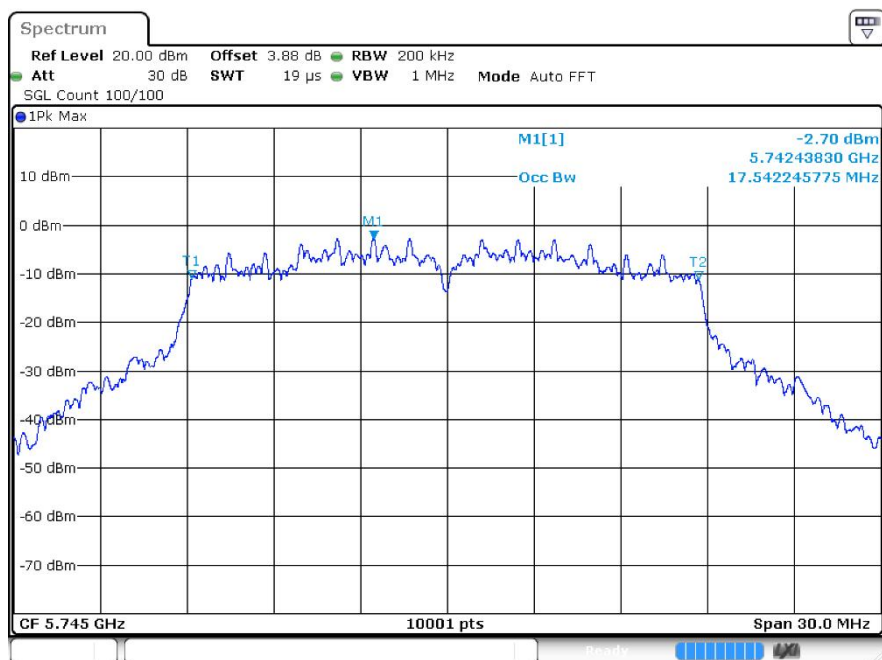
## 4.2 Test Graphs



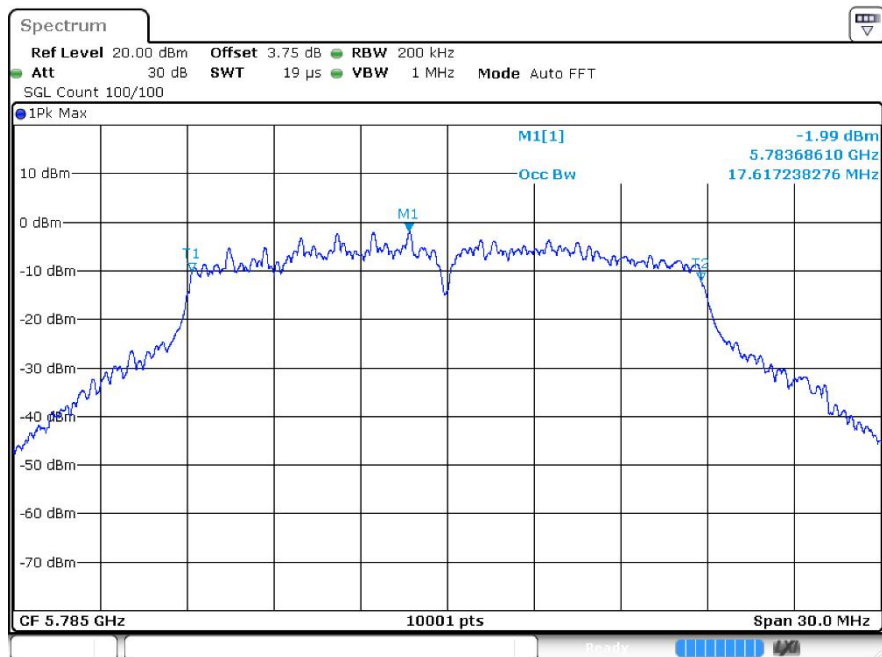
OBW a 5825MHz Ant1



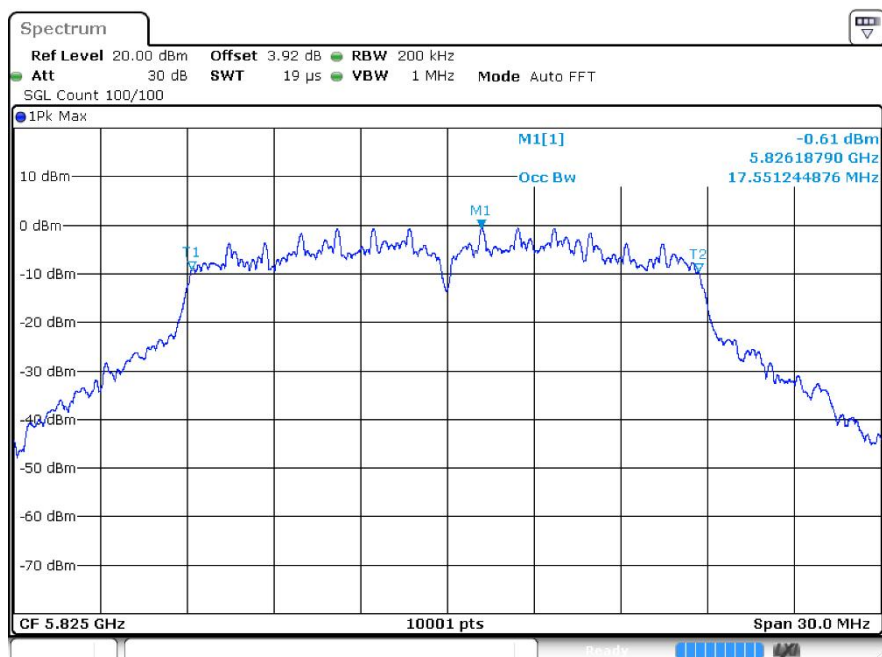
OBW n20 5745MHz Ant1



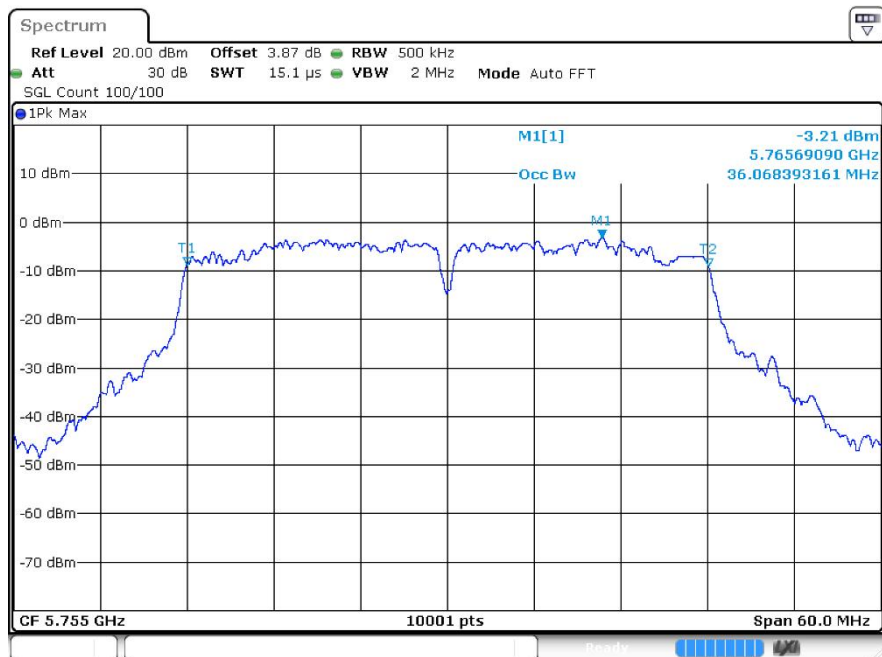
OBW n20 5785MHz Ant1



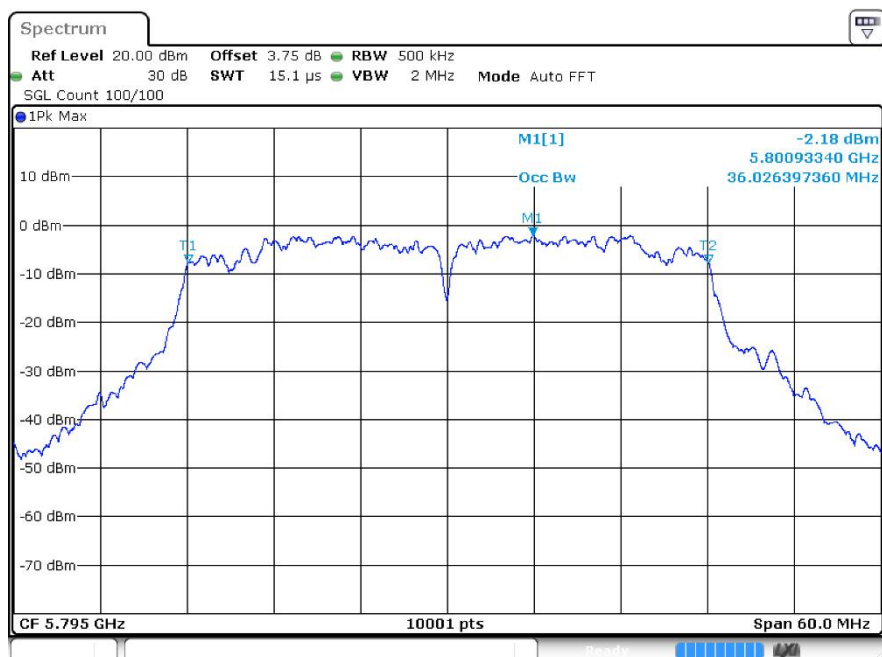
OBW n20 5825MHz Ant1



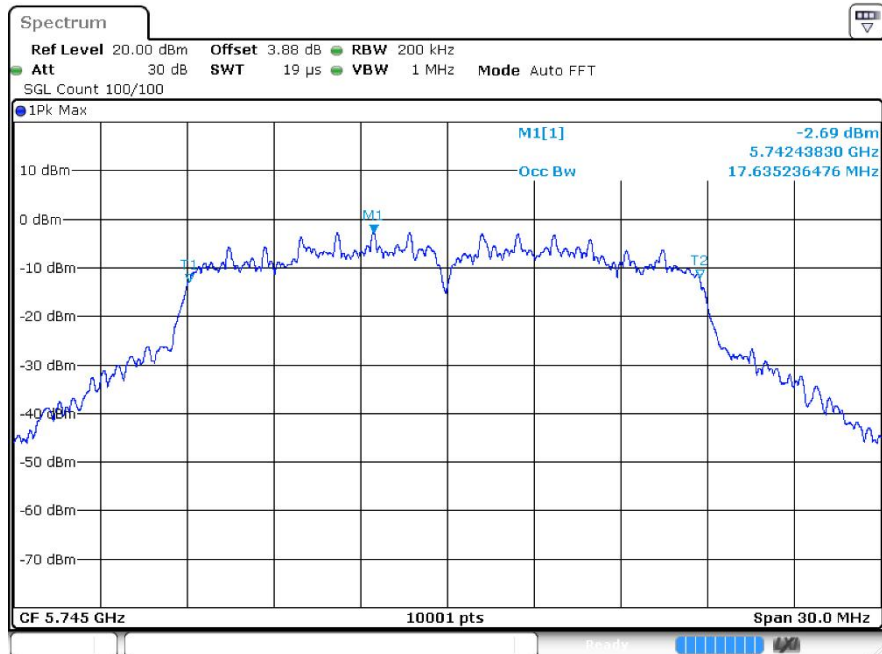
OBW n40 5755MHz Ant1



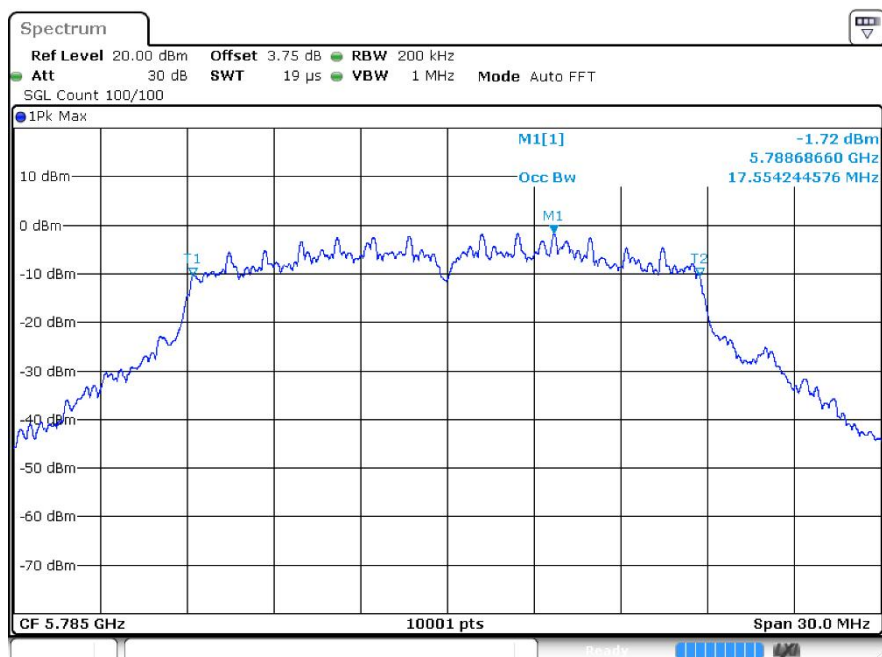
OBW n40 5795MHz Ant1



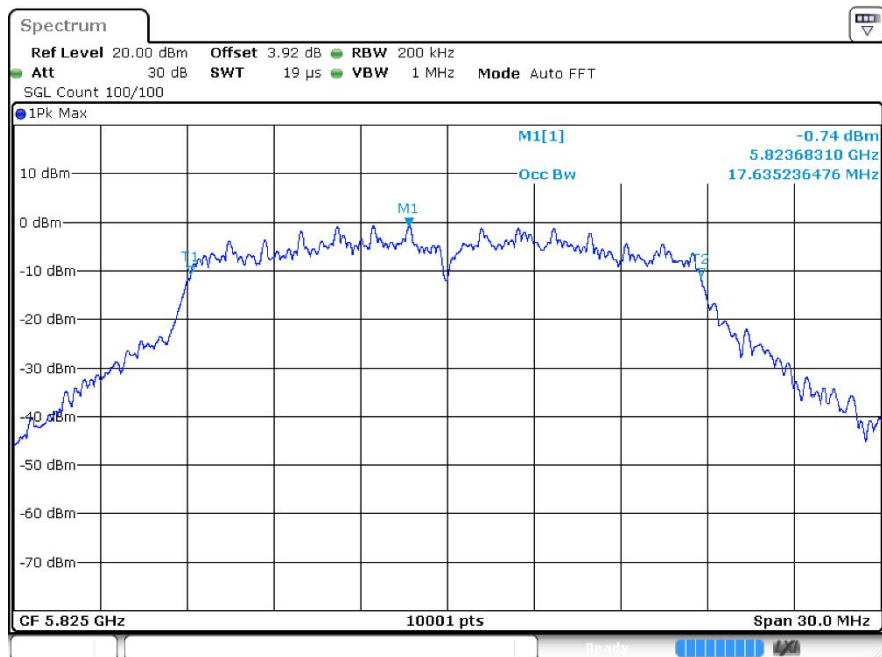
OBW ac20 5745MHz Ant1



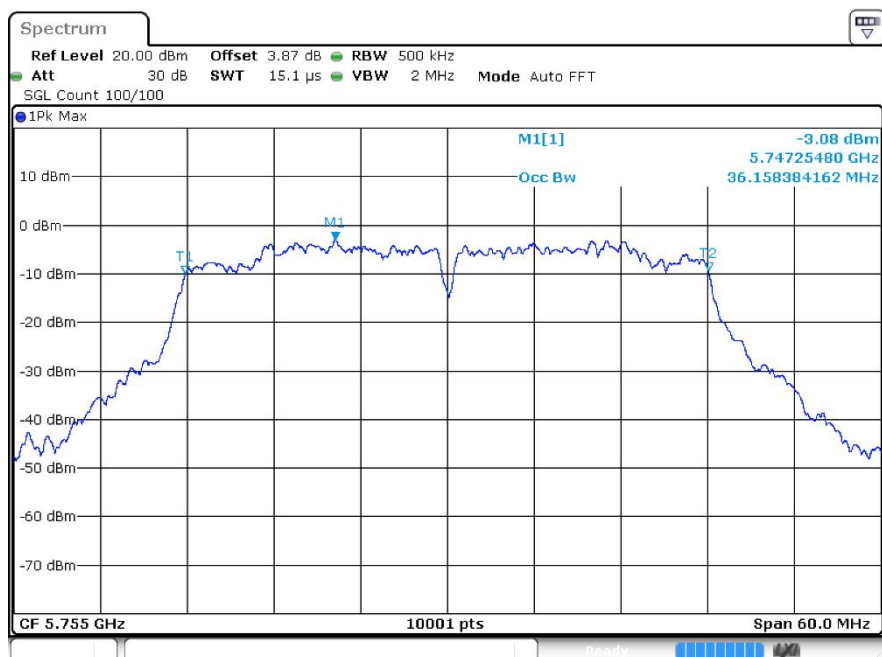
OBW ac20 5785MHz Ant1



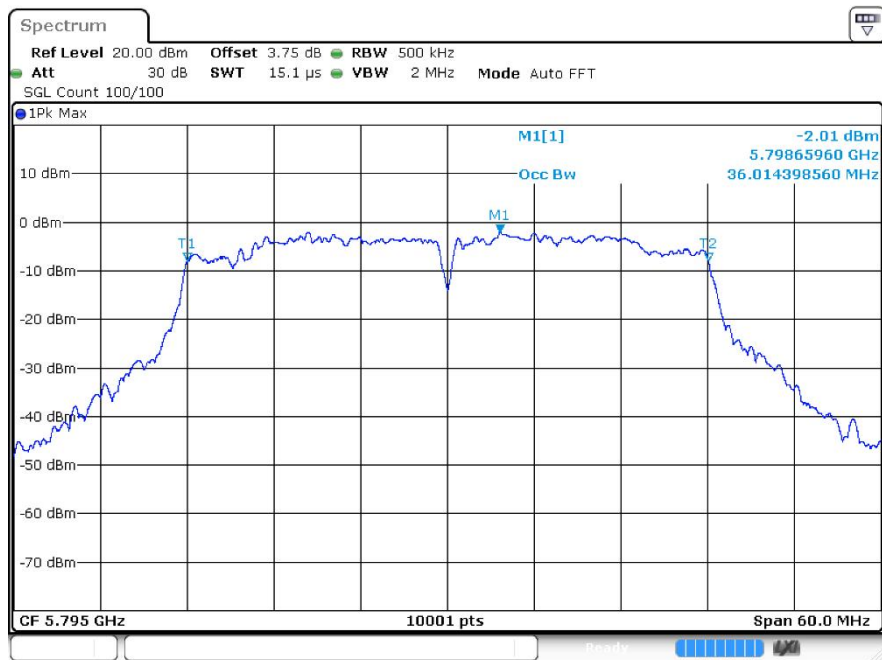
OBW ac20 5825MHz Ant1



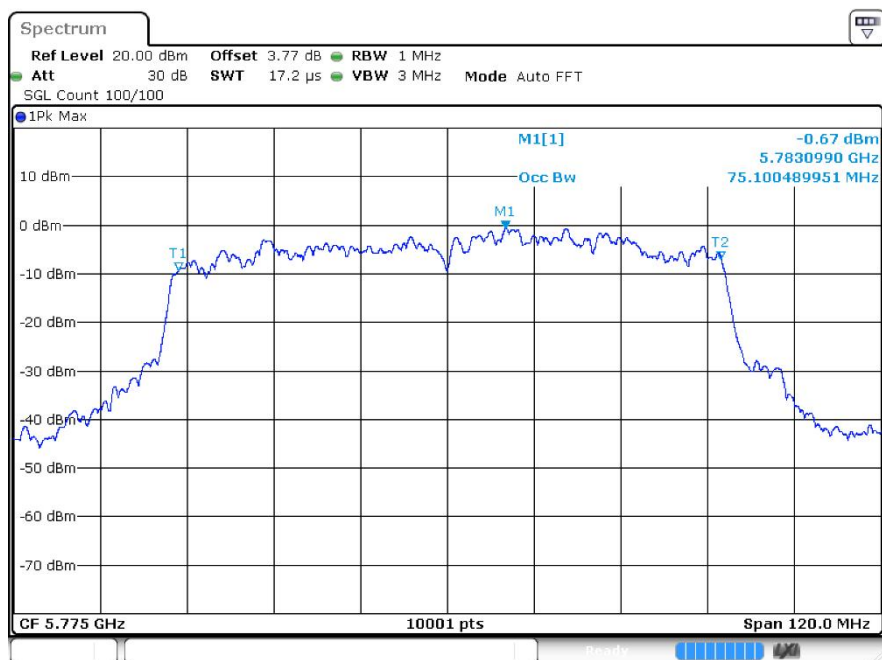
OBW ac40 5755MHz Ant1



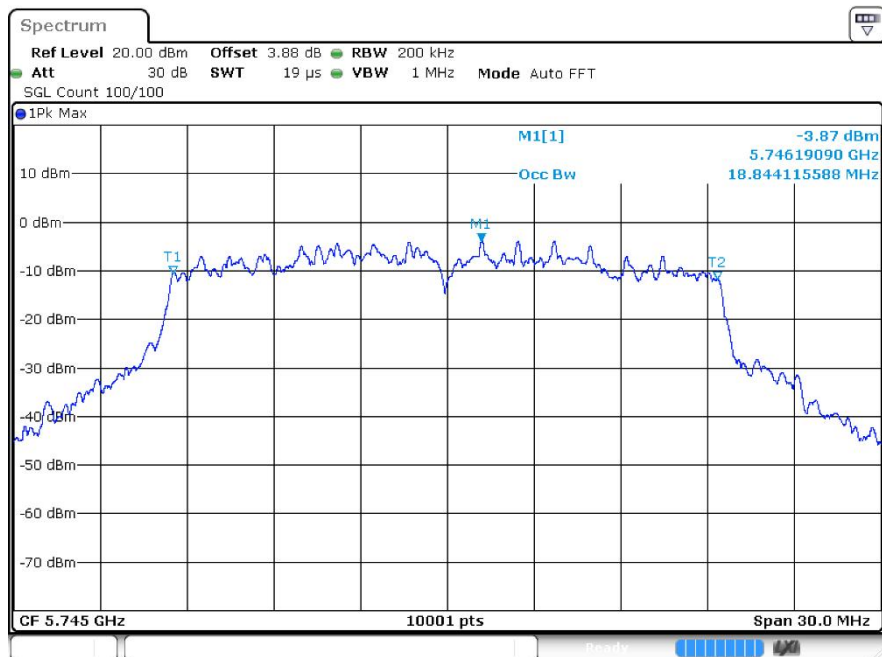
OBW ac40 5795MHz Ant1



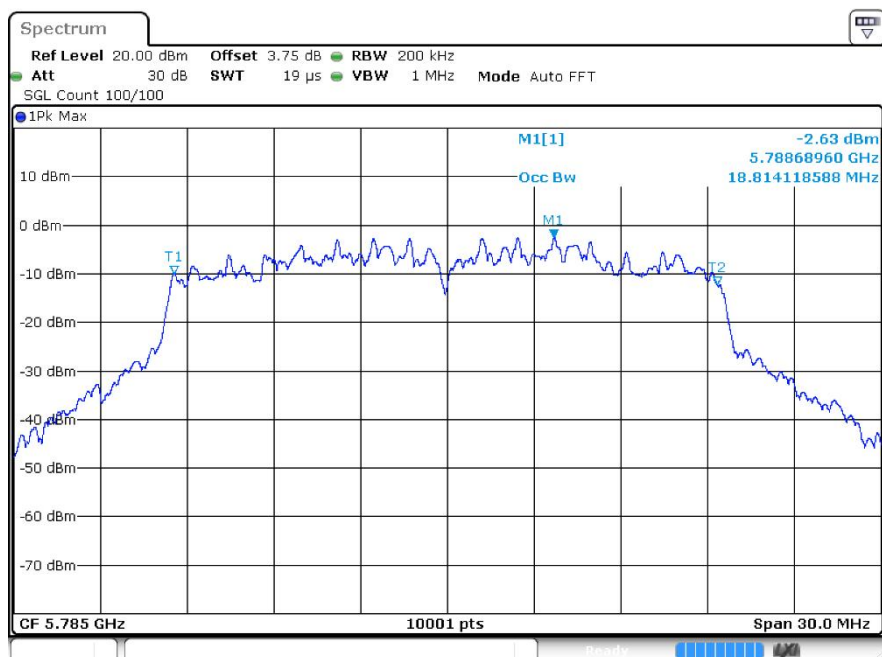
OBW ac80 5775MHz Ant1



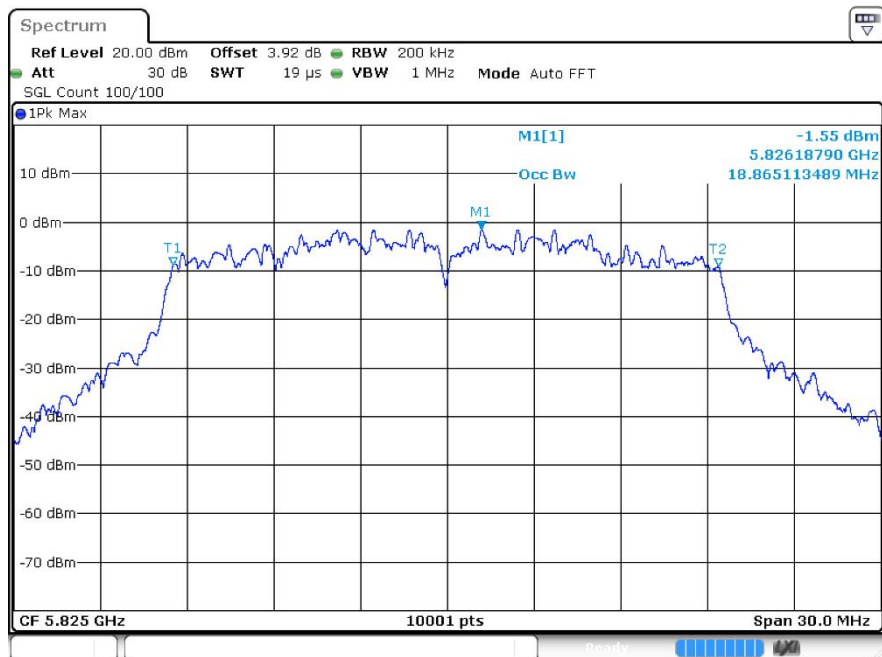
OBW ax20 5745MHz Ant1



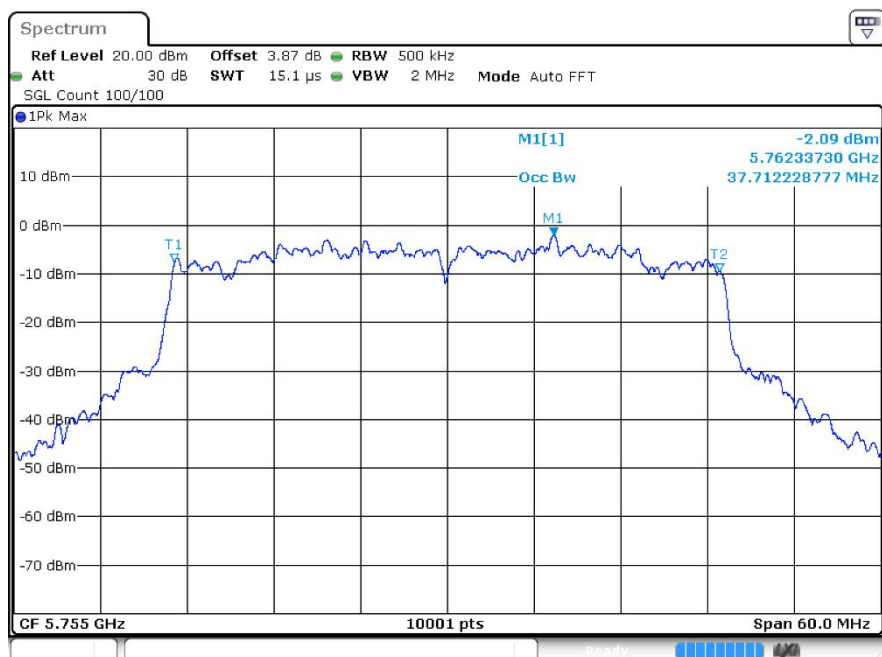
OBW ax20 5785MHz Ant1



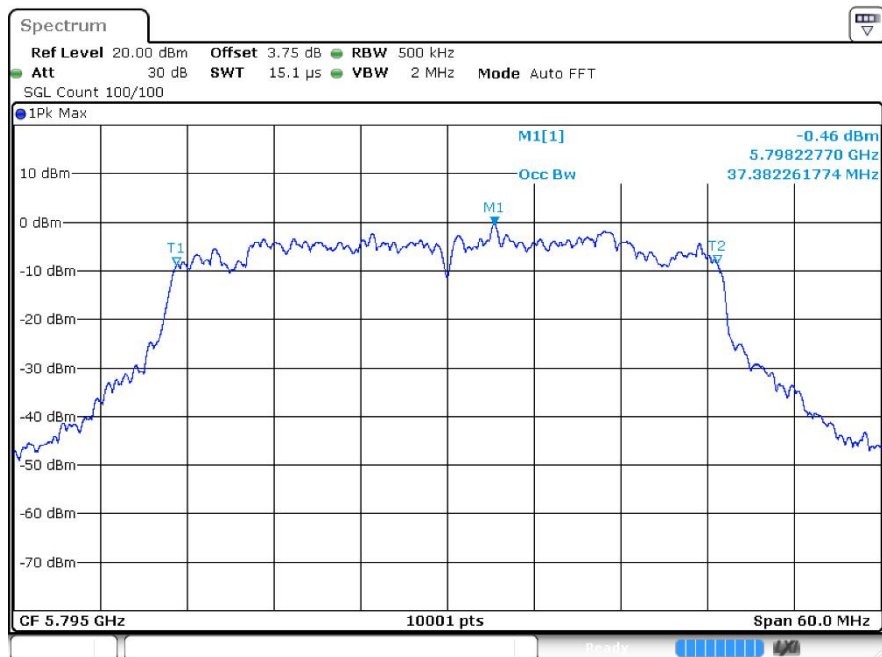
OBW ax20 5825MHz Ant1



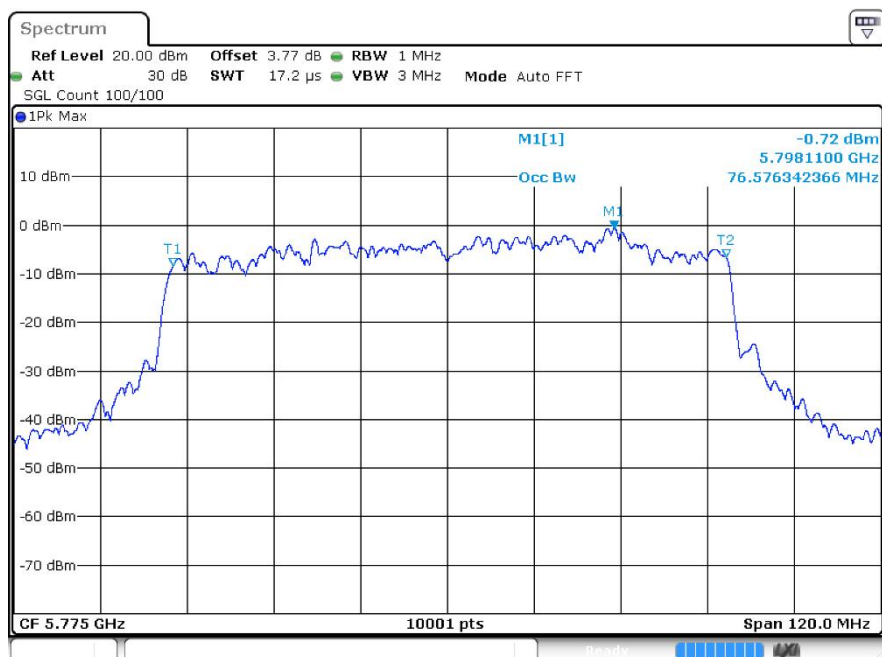
OBW ax40 5755MHz Ant1



OBW ax40 5795MHz Ant1



OBW ax80 5775MHz Ant1

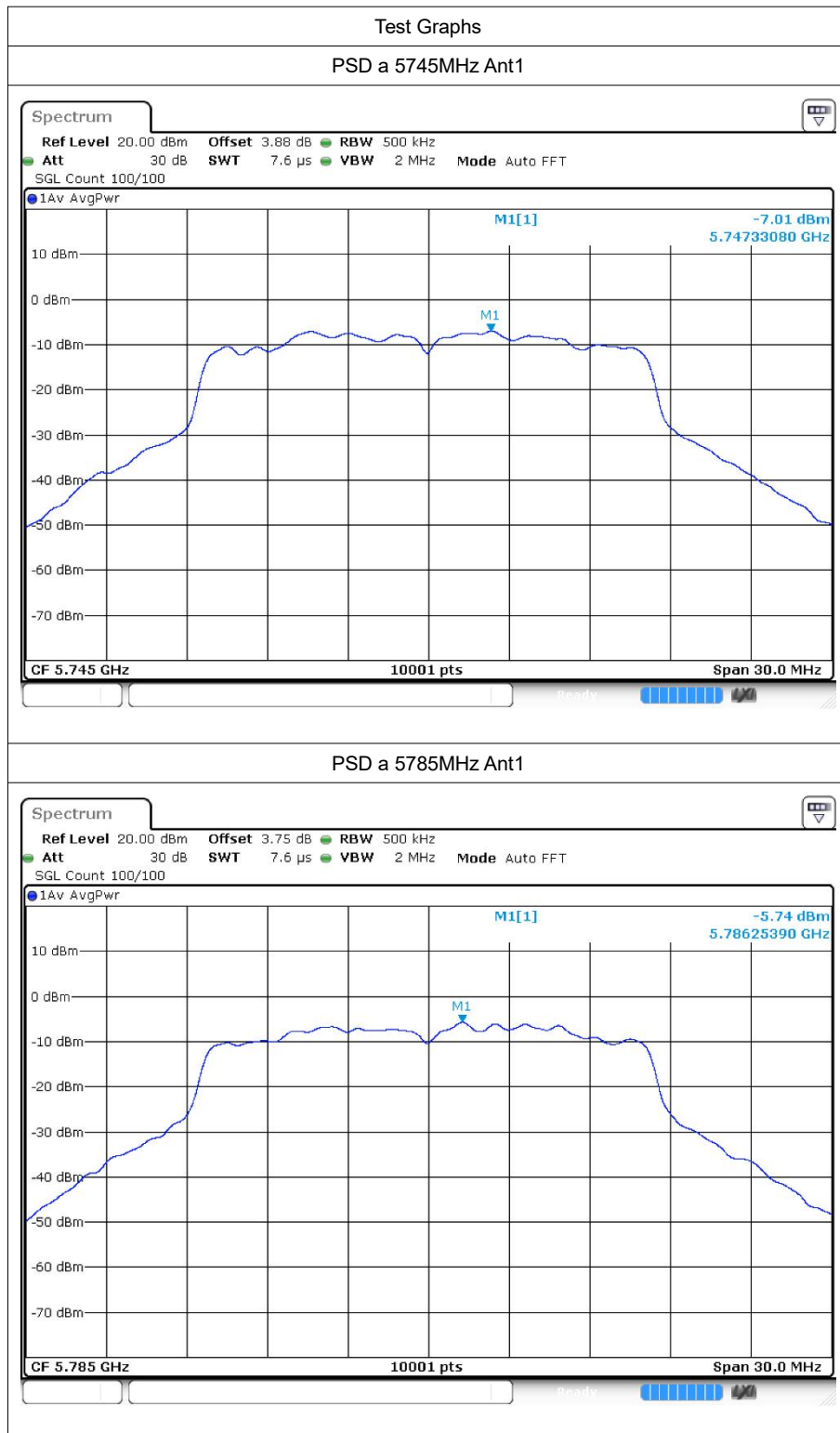


## 5 Maximum Power Spectral Density Level

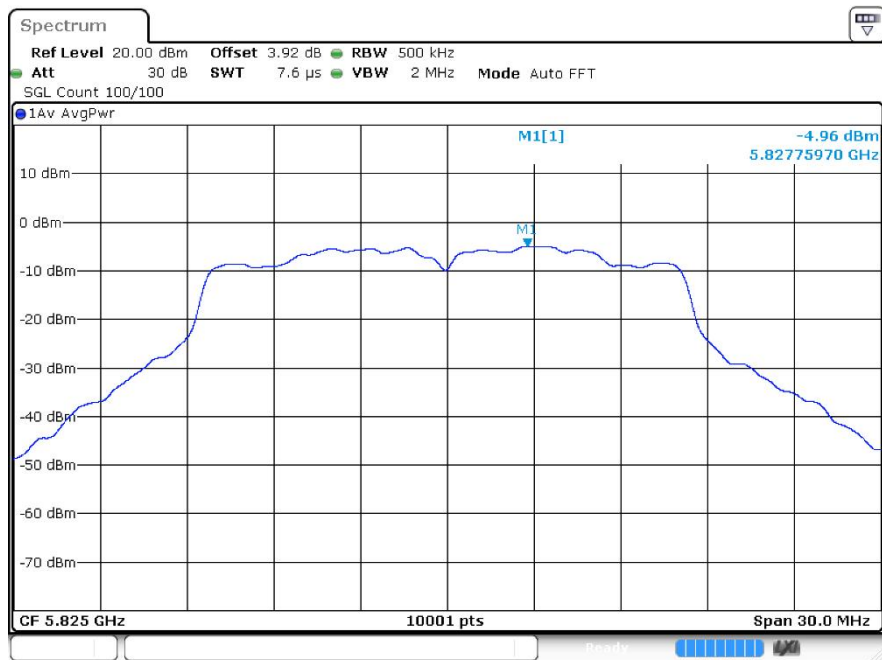
### 5.1 Test Result

| Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Duty Factor (dB) | Total PSD (dBm) | Limit (dBm) | Verdict |
|------|-----------------|---------|---------------------|------------------|-----------------|-------------|---------|
| a    | 5745            | Ant1    | -7.01               | 0.61             | -6.4            | 30          | Pass    |
| a    | 5785            | Ant1    | -5.74               | 0.6              | -5.14           | 30          | Pass    |
| a    | 5825            | Ant1    | -4.96               | 0.6              | -4.36           | 30          | Pass    |
| n20  | 5745            | Ant1    | -7.98               | 0.58             | -7.4            | 30          | Pass    |
| n20  | 5785            | Ant1    | -6.82               | 0.57             | -6.25           | 30          | Pass    |
| n20  | 5825            | Ant1    | -5.04               | 0.57             | -4.47           | 30          | Pass    |
| n40  | 5755            | Ant1    | -9.66               | 0.55             | -9.11           | 30          | Pass    |
| n40  | 5795            | Ant1    | -8.74               | 0.55             | -8.19           | 30          | Pass    |
| ac20 | 5745            | Ant1    | -7.42               | 0.59             | -6.83           | 30          | Pass    |
| ac20 | 5785            | Ant1    | -6.93               | 0.59             | -6.34           | 30          | Pass    |
| ac20 | 5825            | Ant1    | -5.43               | 0.6              | -4.83           | 30          | Pass    |
| ac40 | 5755            | Ant1    | -9.5                | 0.61             | -8.89           | 30          | Pass    |
| ac40 | 5795            | Ant1    | -8.8                | 0.6              | -8.2            | 30          | Pass    |
| ac80 | 5775            | Ant1    | -11.54              | 0.59             | -10.95          | 30          | Pass    |
| ax20 | 5745            | Ant1    | -8.05               | 0.59             | -7.46           | 30          | Pass    |
| ax20 | 5785            | Ant1    | -7.73               | 0.59             | -7.14           | 30          | Pass    |
| ax20 | 5825            | Ant1    | -6.44               | 0.59             | -5.85           | 30          | Pass    |
| ax40 | 5755            | Ant1    | -12.14              | 0.58             | -11.56          | 30          | Pass    |
| ax40 | 5795            | Ant1    | -9.85               | 0.58             | -9.27           | 30          | Pass    |
| ax80 | 5775            | Ant1    | -12.26              | 0.56             | -11.7           | 30          | Pass    |

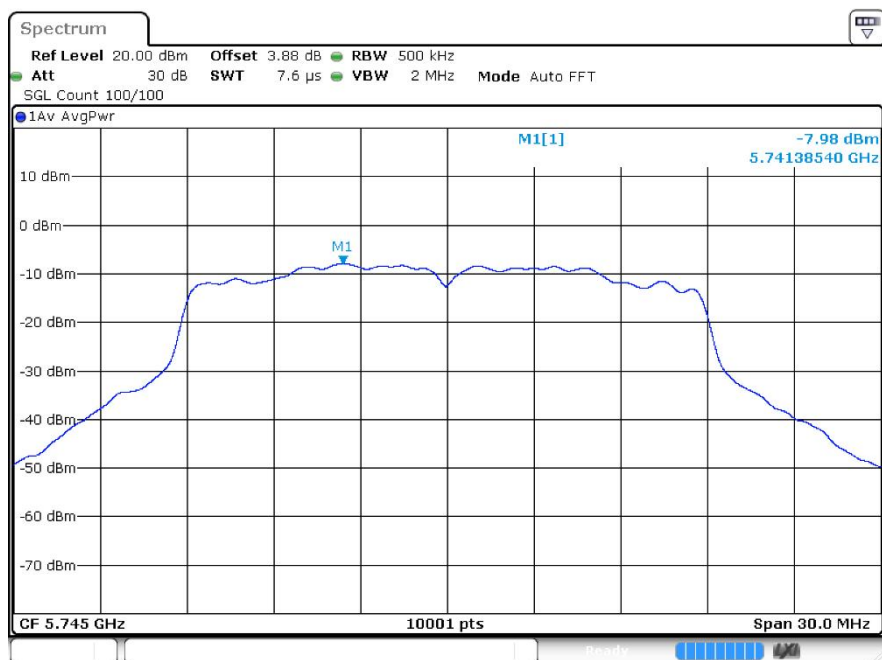
## 5.2 Test Graphs



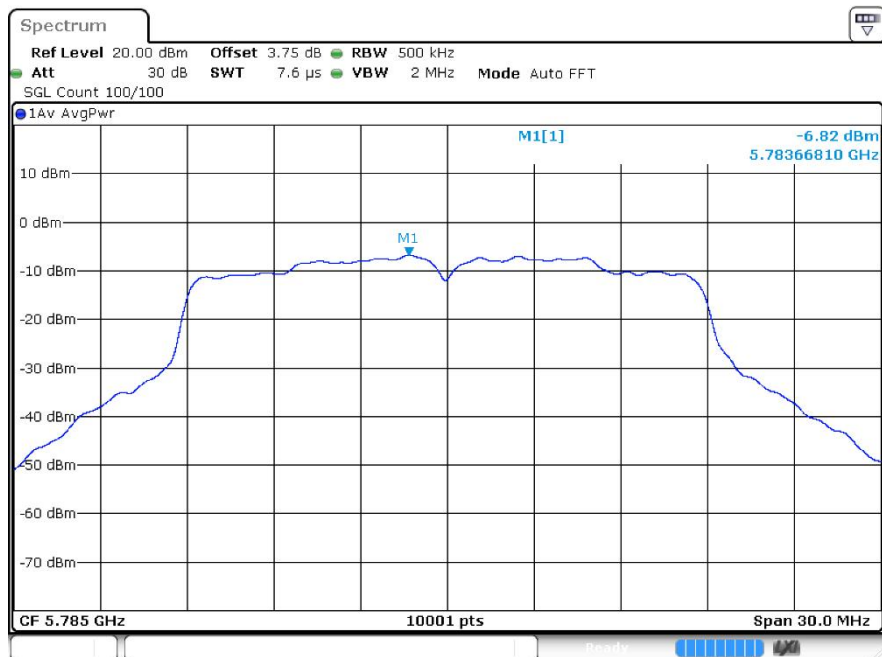
PSD a 5825MHz Ant1



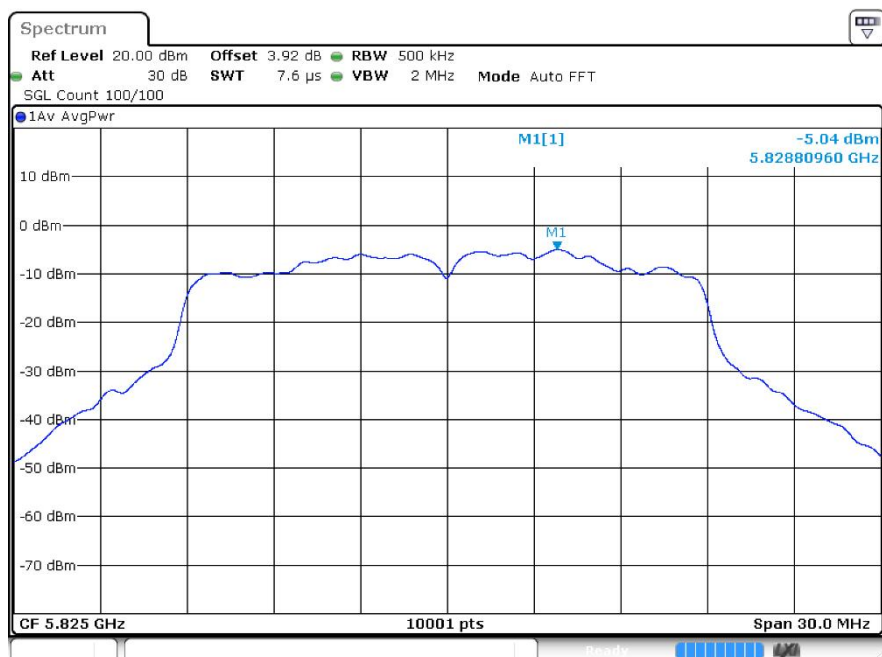
PSD n20 5745MHz Ant1



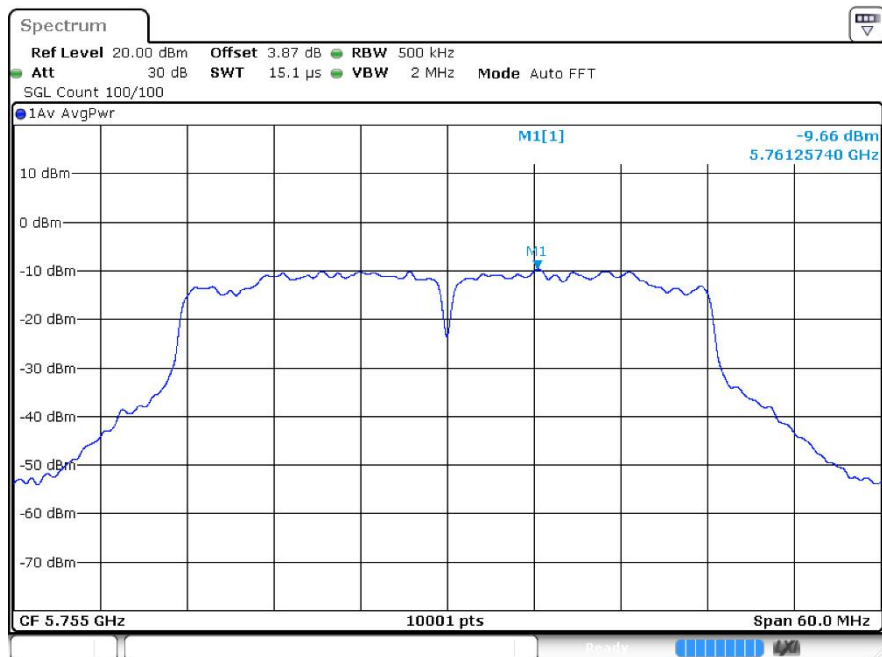
PSD n20 5785MHz Ant1



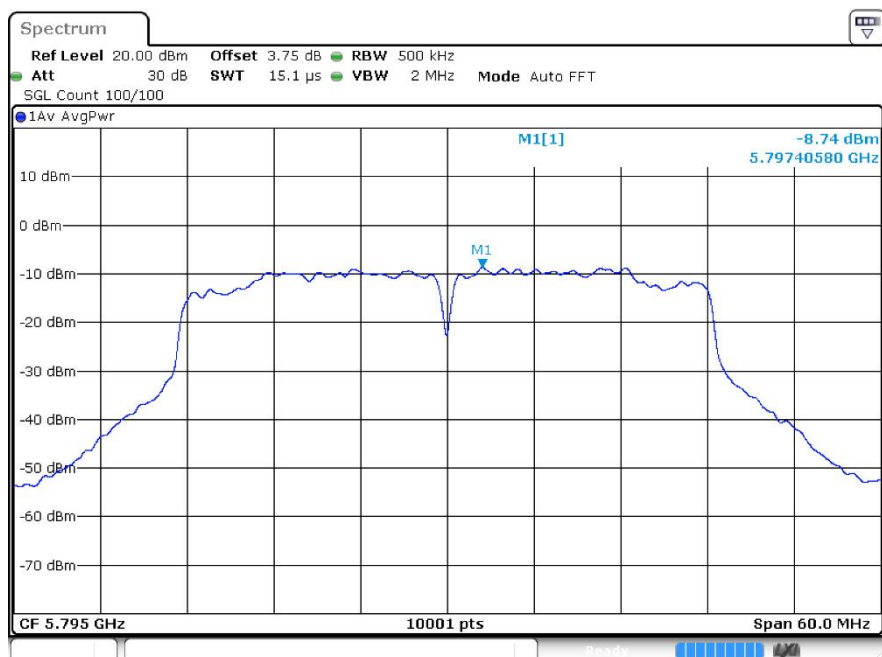
PSD n20 5825MHz Ant1



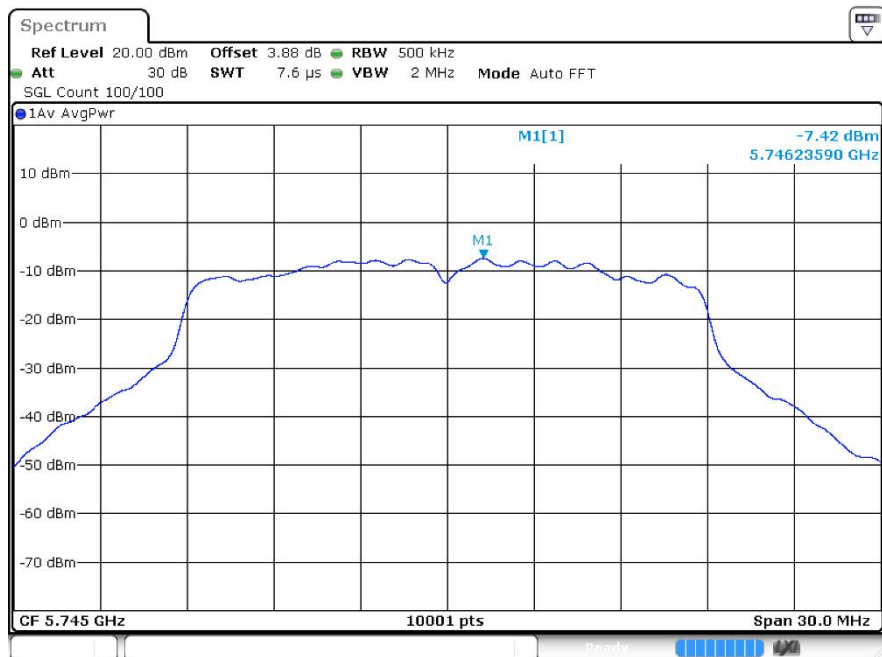
PSD n40 5755MHz Ant1



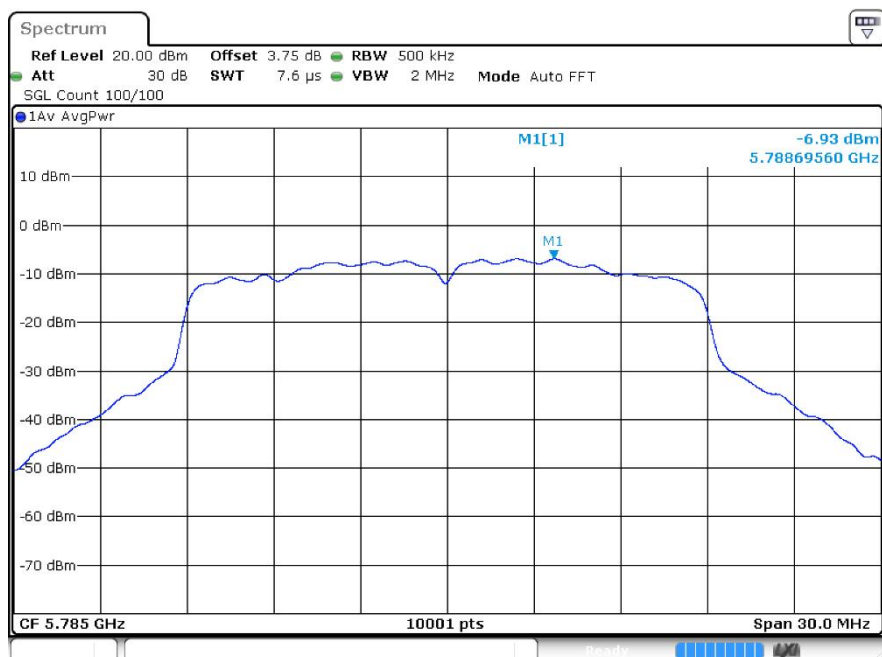
PSD n40 5795MHz Ant1



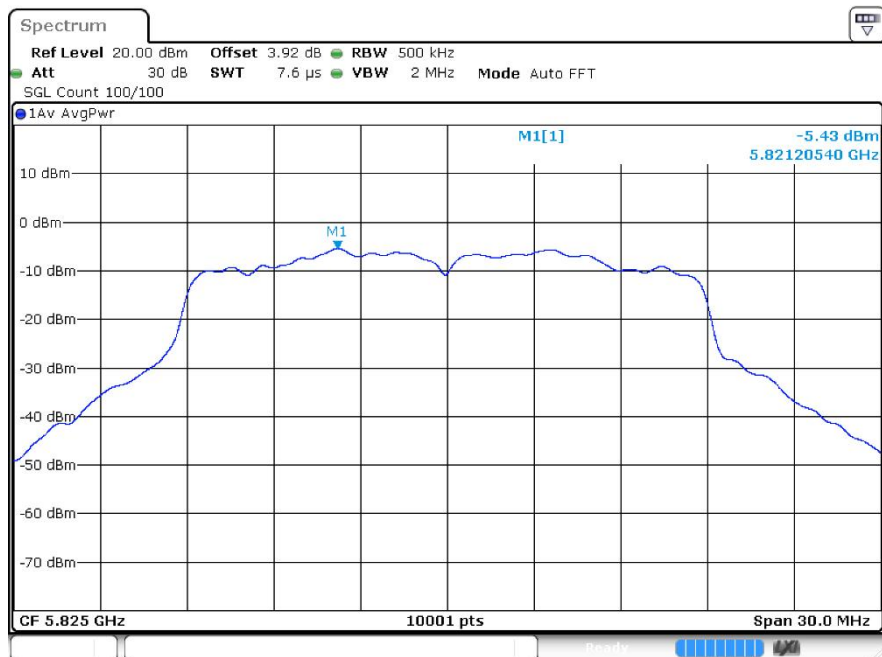
PSD ac20 5745MHz Ant1



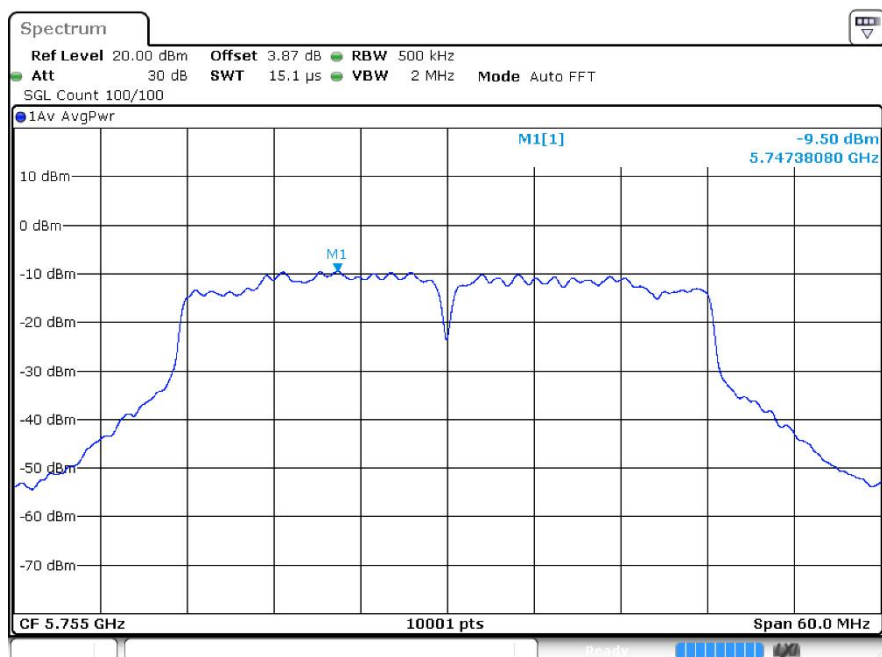
PSD ac20 5785MHz Ant1



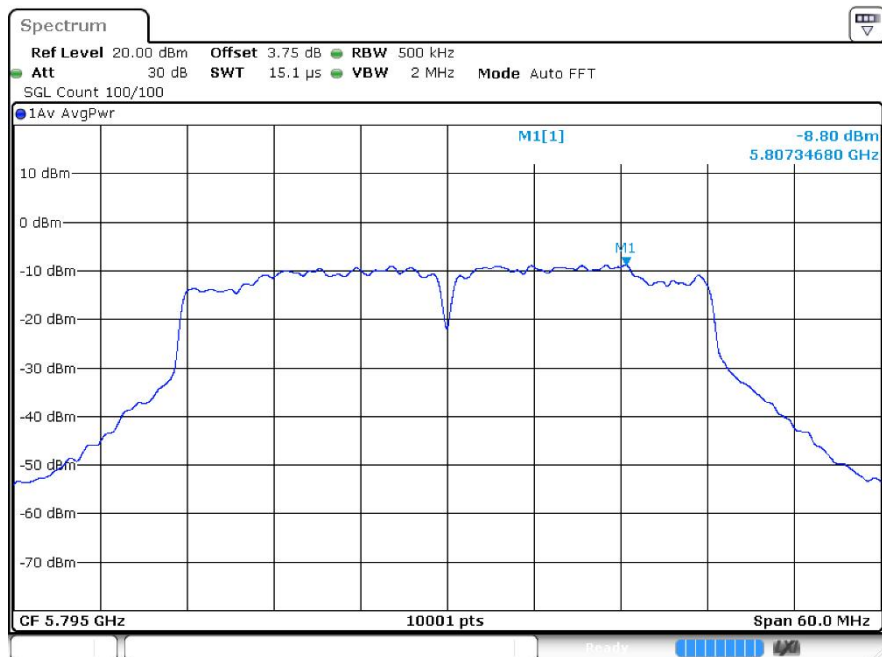
PSD ac20 5825MHz Ant1



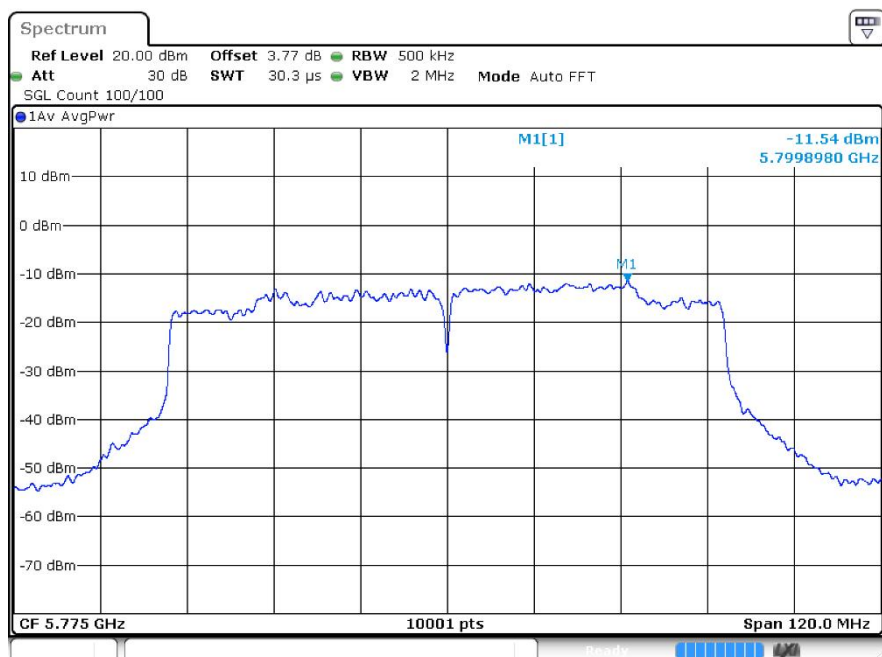
PSD ac40 5755MHz Ant1



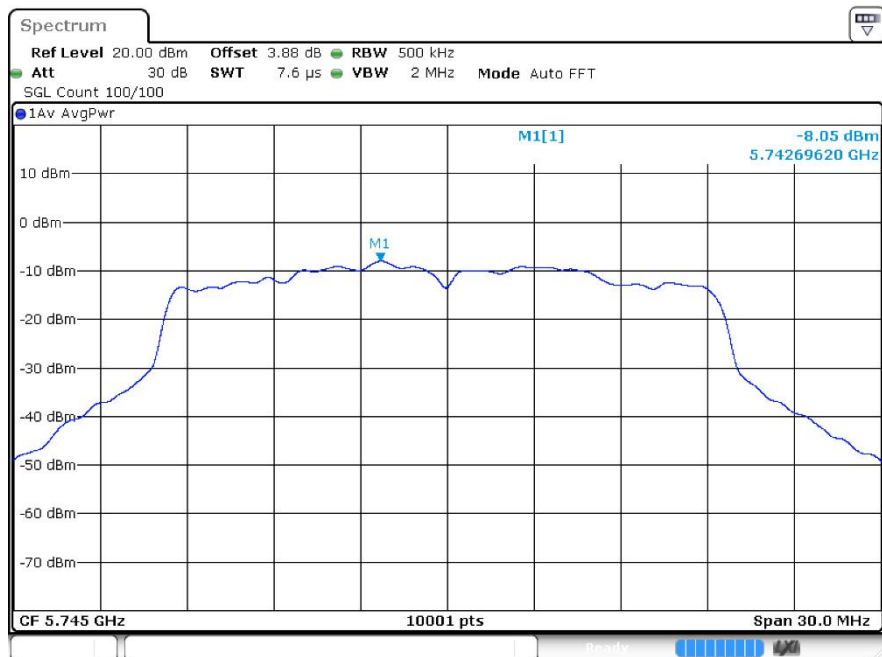
PSD ac40 5795MHz Ant1



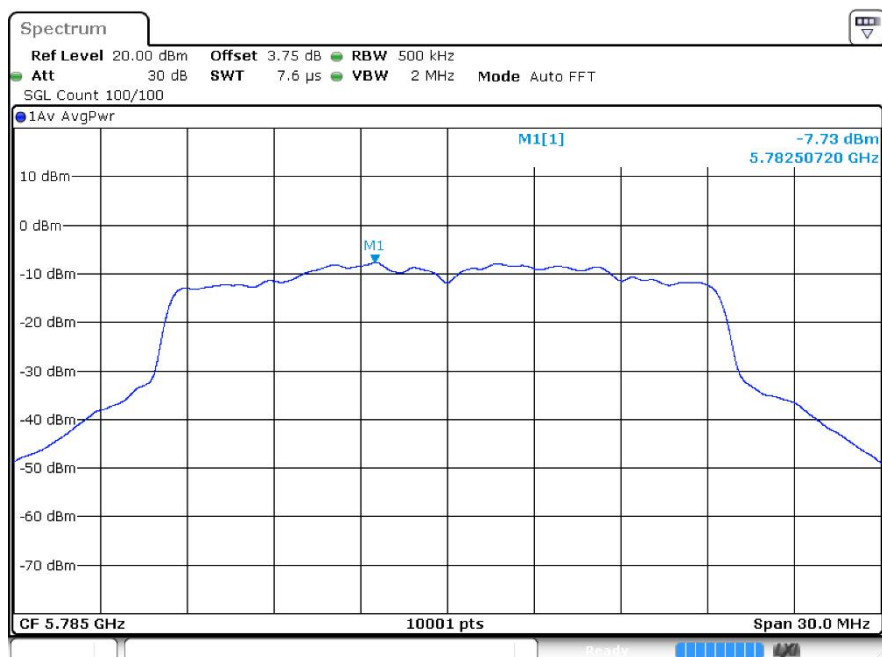
PSD ac80 5775MHz Ant1



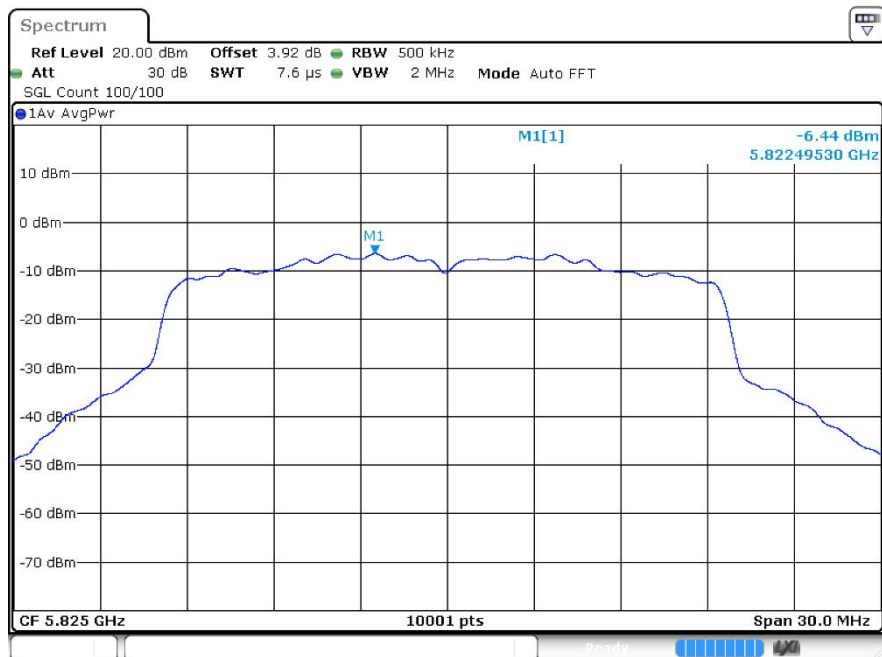
PSD ax20 5745MHz Ant1



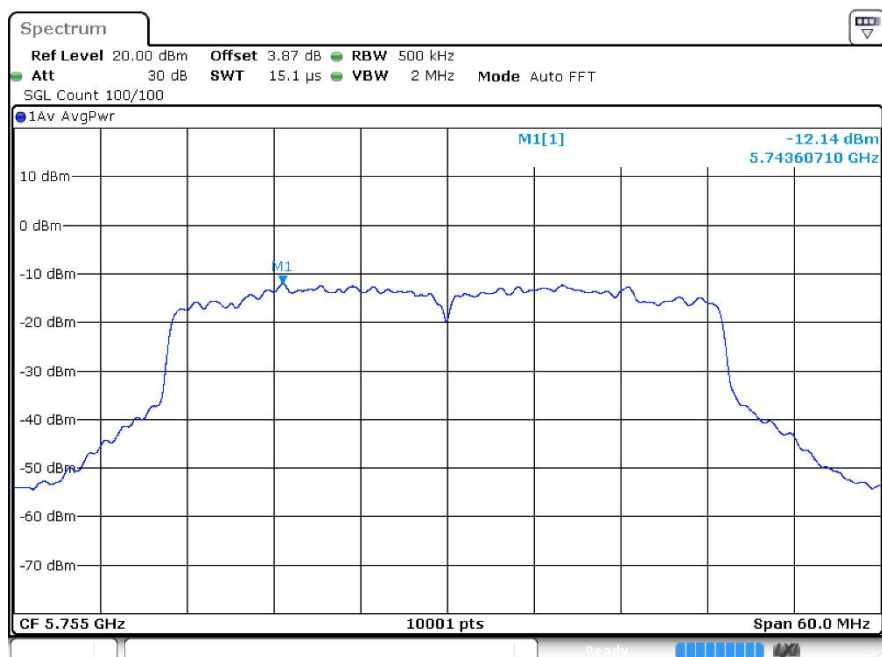
PSD ax20 5785MHz Ant1



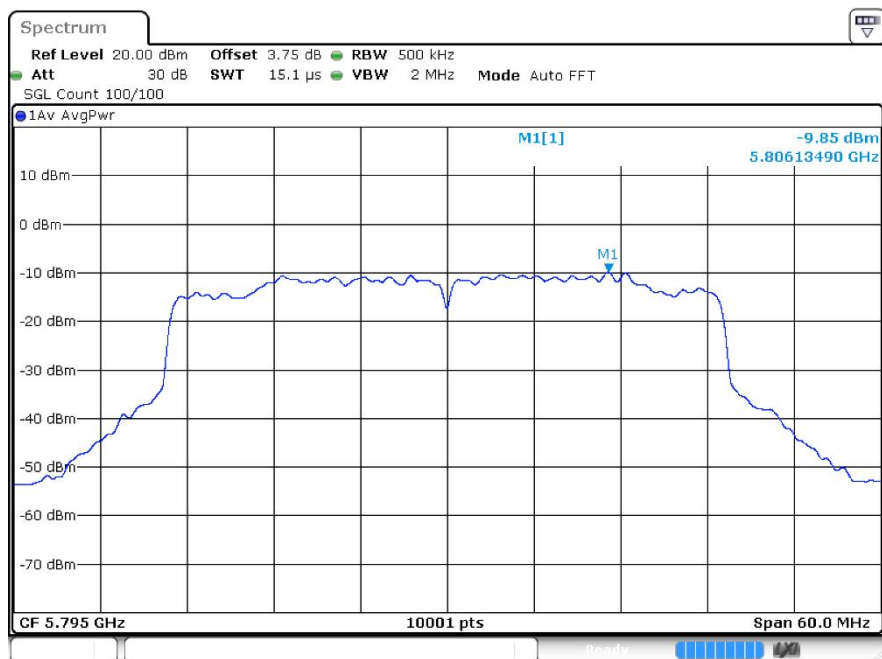
PSD ax20 5825MHz Ant1



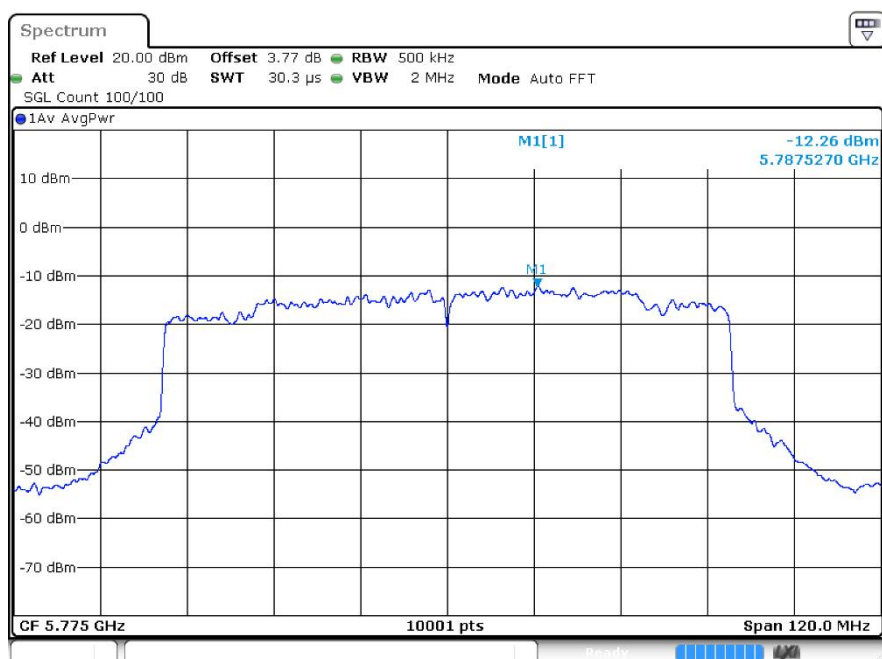
PSD ax40 5755MHz Ant1



PSD ax40 5795MHz Ant1



PSD ax80 5775MHz Ant1



## 6 Frequency Stability

### 6.1 Test Result

| Condition | Mode | Frequency<br>(MHz) | Antenna | Measured Frequency<br>(MHz) | Frequency Error<br>(Hz) | Deviation<br>(ppm) | Limit<br>(ppm) | Verdict |
|-----------|------|--------------------|---------|-----------------------------|-------------------------|--------------------|----------------|---------|
| 20C 102V  | a    | 5745               | Ant1    | 5744.96                     | -40000                  | -6.96              | 25             | Pass    |
| 20C 120V  | a    | 5745               | Ant1    | 5744.94                     | -60000                  | -10.44             | 25             | Pass    |
| 20C 138V  | a    | 5745               | Ant1    | 5744.96                     | -40000                  | -6.96              | 25             | Pass    |
| -20C 120V | a    | 5745               | Ant1    | 5744.94                     | -60000                  | -10.44             | 25             | Pass    |
| -10C 120V | a    | 5745               | Ant1    | 5744.96                     | -40000                  | -6.96              | 25             | Pass    |
| 0C 120V   | a    | 5745               | Ant1    | 5744.92                     | -80000                  | -13.93             | 25             | Pass    |
| 10C 120V  | a    | 5745               | Ant1    | 5744.96                     | -40000                  | -6.96              | 25             | Pass    |
| 30C 120V  | a    | 5745               | Ant1    | 5744.92                     | -80000                  | -13.93             | 25             | Pass    |
| 40C 120V  | a    | 5745               | Ant1    | 5744.94                     | -60000                  | -10.44             | 25             | Pass    |
| 50C 120V  | a    | 5745               | Ant1    | 5744.94                     | -60000                  | -10.44             | 25             | Pass    |
| 20C 102V  | a    | 5785               | Ant1    | 5784.94                     | -60000                  | -10.37             | 25             | Pass    |
| 20C 120V  | a    | 5785               | Ant1    | 5784.92                     | -80000                  | -13.83             | 25             | Pass    |
| 20C 138V  | a    | 5785               | Ant1    | 5784.92                     | -80000                  | -13.83             | 25             | Pass    |
| -20C 120V | a    | 5785               | Ant1    | 5784.9                      | -100000                 | -17.29             | 25             | Pass    |
| -10C 120V | a    | 5785               | Ant1    | 5784.94                     | -60000                  | -10.37             | 25             | Pass    |
| 0C 120V   | a    | 5785               | Ant1    | 5784.94                     | -60000                  | -10.37             | 25             | Pass    |
| 10C 120V  | a    | 5785               | Ant1    | 5784.94                     | -60000                  | -10.37             | 25             | Pass    |
| 30C 120V  | a    | 5785               | Ant1    | 5784.94                     | -60000                  | -10.37             | 25             | Pass    |
| 40C 120V  | a    | 5785               | Ant1    | 5784.96                     | -40000                  | -6.91              | 25             | Pass    |
| 50C 120V  | a    | 5785               | Ant1    | 5784.94                     | -60000                  | -10.37             | 25             | Pass    |
| 20C 102V  | a    | 5825               | Ant1    | 5824.92                     | -80000                  | -13.73             | 25             | Pass    |
| 20C 120V  | a    | 5825               | Ant1    | 5824.94                     | -60000                  | -10.3              | 25             | Pass    |
| 20C 138V  | a    | 5825               | Ant1    | 5824.92                     | -80000                  | -13.73             | 25             | Pass    |
| -20C 120V | a    | 5825               | Ant1    | 5824.96                     | -40000                  | -6.87              | 25             | Pass    |
| -10C 120V | a    | 5825               | Ant1    | 5824.94                     | -60000                  | -10.3              | 25             | Pass    |
| 0C 120V   | a    | 5825               | Ant1    | 5824.96                     | -40000                  | -6.87              | 25             | Pass    |
| 10C 120V  | a    | 5825               | Ant1    | 5824.94                     | -60000                  | -10.3              | 25             | Pass    |
| 30C 120V  | a    | 5825               | Ant1    | 5824.94                     | -60000                  | -10.3              | 25             | Pass    |
| 40C 120V  | a    | 5825               | Ant1    | 5824.94                     | -60000                  | -10.3              | 25             | Pass    |
| 50C 120V  | a    | 5825               | Ant1    | 5824.92                     | -80000                  | -13.73             | 25             | Pass    |
| 20C 102V  | n20  | 5745               | Ant1    | 5744.92                     | -80000                  | -13.93             | 25             | Pass    |
| 20C 120V  | n20  | 5745               | Ant1    | 5744.92                     | -80000                  | -13.93             | 25             | Pass    |
| 20C 138V  | n20  | 5745               | Ant1    | 5744.94                     | -60000                  | -10.44             | 25             | Pass    |
| -20C 120V | n20  | 5745               | Ant1    | 5744.96                     | -40000                  | -6.96              | 25             | Pass    |



|           |     |      |      |         |         |        |    |      |
|-----------|-----|------|------|---------|---------|--------|----|------|
| -10C 120V | n20 | 5745 | Ant1 | 5744.92 | -80000  | -13.93 | 25 | Pass |
| 0C 120V   | n20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 10C 120V  | n20 | 5745 | Ant1 | 5744.92 | -80000  | -13.93 | 25 | Pass |
| 30C 120V  | n20 | 5745 | Ant1 | 5744.96 | -40000  | -6.96  | 25 | Pass |
| 40C 120V  | n20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 50C 120V  | n20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 20C 102V  | n20 | 5785 | Ant1 | 5784.94 | -60000  | -10.37 | 25 | Pass |
| 20C 120V  | n20 | 5785 | Ant1 | 5784.94 | -60000  | -10.37 | 25 | Pass |
| 20C 138V  | n20 | 5785 | Ant1 | 5784.96 | -40000  | -6.91  | 25 | Pass |
| -20C 120V | n20 | 5785 | Ant1 | 5784.96 | -40000  | -6.91  | 25 | Pass |
| -10C 120V | n20 | 5785 | Ant1 | 5784.96 | -40000  | -6.91  | 25 | Pass |
| 0C 120V   | n20 | 5785 | Ant1 | 5784.98 | -20000  | -3.46  | 25 | Pass |
| 10C 120V  | n20 | 5785 | Ant1 | 5784.96 | -40000  | -6.91  | 25 | Pass |
| 30C 120V  | n20 | 5785 | Ant1 | 5784.94 | -60000  | -10.37 | 25 | Pass |
| 40C 120V  | n20 | 5785 | Ant1 | 5784.94 | -60000  | -10.37 | 25 | Pass |
| 50C 120V  | n20 | 5785 | Ant1 | 5784.94 | -60000  | -10.37 | 25 | Pass |
| 20C 102V  | n20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |
| 20C 120V  | n20 | 5825 | Ant1 | 5824.96 | -40000  | -6.87  | 25 | Pass |
| 20C 138V  | n20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |
| -20C 120V | n20 | 5825 | Ant1 | 5824.96 | -40000  | -6.87  | 25 | Pass |
| -10C 120V | n20 | 5825 | Ant1 | 5824.96 | -40000  | -6.87  | 25 | Pass |
| 0C 120V   | n20 | 5825 | Ant1 | 5824.96 | -40000  | -6.87  | 25 | Pass |
| 10C 120V  | n20 | 5825 | Ant1 | 5824.9  | -100000 | -17.17 | 25 | Pass |
| 30C 120V  | n20 | 5825 | Ant1 | 5824.96 | -40000  | -6.87  | 25 | Pass |
| 40C 120V  | n20 | 5825 | Ant1 | 5825.1  | 100000  | 17.17  | 25 | Pass |
| 50C 120V  | n20 | 5825 | Ant1 | 5824.96 | -40000  | -6.87  | 25 | Pass |
| 20C 102V  | n40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 20C 120V  | n40 | 5755 | Ant1 | 5755    | 0       | 0      | 25 | Pass |
| 20C 138V  | n40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| -20C 120V | n40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| -10C 120V | n40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 0C 120V   | n40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 10C 120V  | n40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 30C 120V  | n40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 40C 120V  | n40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 50C 120V  | n40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 20C 102V  | n40 | 5795 | Ant1 | 5795    | 0       | 0      | 25 | Pass |
| 20C 120V  | n40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 20C 138V  | n40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| -20C 120V | n40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| -10C 120V | n40 | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 0C 120V   | n40 | 5795 | Ant1 | 5795.12 | 120000  | 20.71  | 25 | Pass |
| 10C 120V  | n40 | 5795 | Ant1 | 5795    | 0       | 0      | 25 | Pass |



|           |      |      |      |         |         |        |    |      |
|-----------|------|------|------|---------|---------|--------|----|------|
| 30C 120V  | n40  | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 40C 120V  | n40  | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 50C 120V  | n40  | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 20C 102V  | ac20 | 5745 | Ant1 | 5744.96 | -40000  | -6.96  | 25 | Pass |
| 20C 120V  | ac20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 20C 138V  | ac20 | 5745 | Ant1 | 5744.92 | -80000  | -13.93 | 25 | Pass |
| -20C 120V | ac20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| -10C 120V | ac20 | 5745 | Ant1 | 5744.9  | -100000 | -17.41 | 25 | Pass |
| 0C 120V   | ac20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 10C 120V  | ac20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 30C 120V  | ac20 | 5745 | Ant1 | 5744.96 | -40000  | -6.96  | 25 | Pass |
| 40C 120V  | ac20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 50C 120V  | ac20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 20C 102V  | ac20 | 5785 | Ant1 | 5784.94 | -60000  | -10.37 | 25 | Pass |
| 20C 120V  | ac20 | 5785 | Ant1 | 5784.94 | -60000  | -10.37 | 25 | Pass |
| 20C 138V  | ac20 | 5785 | Ant1 | 5784.96 | -40000  | -6.91  | 25 | Pass |
| -20C 120V | ac20 | 5785 | Ant1 | 5784.94 | -60000  | -10.37 | 25 | Pass |
| -10C 120V | ac20 | 5785 | Ant1 | 5784.98 | -20000  | -3.46  | 25 | Pass |
| 0C 120V   | ac20 | 5785 | Ant1 | 5784.98 | -20000  | -3.46  | 25 | Pass |
| 10C 120V  | ac20 | 5785 | Ant1 | 5784.96 | -40000  | -6.91  | 25 | Pass |
| 30C 120V  | ac20 | 5785 | Ant1 | 5784.94 | -60000  | -10.37 | 25 | Pass |
| 40C 120V  | ac20 | 5785 | Ant1 | 5784.9  | -100000 | -17.29 | 25 | Pass |
| 50C 120V  | ac20 | 5785 | Ant1 | 5784.96 | -40000  | -6.91  | 25 | Pass |
| 20C 102V  | ac20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |
| 20C 120V  | ac20 | 5825 | Ant1 | 5824.92 | -80000  | -13.73 | 25 | Pass |
| 20C 138V  | ac20 | 5825 | Ant1 | 5824.96 | -40000  | -6.87  | 25 | Pass |
| -20C 120V | ac20 | 5825 | Ant1 | 5824.96 | -40000  | -6.87  | 25 | Pass |
| -10C 120V | ac20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |
| 0C 120V   | ac20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |
| 10C 120V  | ac20 | 5825 | Ant1 | 5824.9  | -100000 | -17.17 | 25 | Pass |
| 30C 120V  | ac20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |
| 40C 120V  | ac20 | 5825 | Ant1 | 5824.92 | -80000  | -13.73 | 25 | Pass |
| 50C 120V  | ac20 | 5825 | Ant1 | 5824.96 | -40000  | -6.87  | 25 | Pass |
| 20C 102V  | ac40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 20C 120V  | ac40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 20C 138V  | ac40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| -20C 120V | ac40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| -10C 120V | ac40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 0C 120V   | ac40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 10C 120V  | ac40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 30C 120V  | ac40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 40C 120V  | ac40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 50C 120V  | ac40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |



|           |      |      |      |         |         |        |    |      |
|-----------|------|------|------|---------|---------|--------|----|------|
| 20C 102V  | ac40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 20C 120V  | ac40 | 5795 | Ant1 | 5795    | 0       | 0      | 25 | Pass |
| 20C 138V  | ac40 | 5795 | Ant1 | 5795    | 0       | 0      | 25 | Pass |
| -20C 120V | ac40 | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| -10C 120V | ac40 | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 0C 120V   | ac40 | 5795 | Ant1 | 5795.08 | 80000   | 13.81  | 25 | Pass |
| 10C 120V  | ac40 | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 30C 120V  | ac40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 40C 120V  | ac40 | 5795 | Ant1 | 5795    | 0       | 0      | 25 | Pass |
| 50C 120V  | ac40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 20C 102V  | ac80 | 5775 | Ant1 | 5775.04 | 40000   | 6.93   | 25 | Pass |
| 20C 120V  | ac80 | 5775 | Ant1 | 5775    | 0       | 0      | 25 | Pass |
| 20C 138V  | ac80 | 5775 | Ant1 | 5775    | 0       | 0      | 25 | Pass |
| -20C 120V | ac80 | 5775 | Ant1 | 5775.06 | 60000   | 10.39  | 25 | Pass |
| -10C 120V | ac80 | 5775 | Ant1 | 5775    | 0       | 0      | 25 | Pass |
| 0C 120V   | ac80 | 5775 | Ant1 | 5775.02 | 20000   | 3.46   | 25 | Pass |
| 10C 120V  | ac80 | 5775 | Ant1 | 5775.06 | 60000   | 10.39  | 25 | Pass |
| 30C 120V  | ac80 | 5775 | Ant1 | 5775    | 0       | 0      | 25 | Pass |
| 40C 120V  | ac80 | 5775 | Ant1 | 5775.04 | 40000   | 6.93   | 25 | Pass |
| 50C 120V  | ac80 | 5775 | Ant1 | 5775    | 0       | 0      | 25 | Pass |
| 20C 102V  | ax20 | 5745 | Ant1 | 5744.92 | -80000  | -13.93 | 25 | Pass |
| 20C 120V  | ax20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 20C 138V  | ax20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| -20C 120V | ax20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| -10C 120V | ax20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 0C 120V   | ax20 | 5745 | Ant1 | 5744.92 | -80000  | -13.93 | 25 | Pass |
| 10C 120V  | ax20 | 5745 | Ant1 | 5744.9  | -100000 | -17.41 | 25 | Pass |
| 30C 120V  | ax20 | 5745 | Ant1 | 5744.96 | -40000  | -6.96  | 25 | Pass |
| 40C 120V  | ax20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 50C 120V  | ax20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 20C 102V  | ax20 | 5785 | Ant1 | 5784.94 | -60000  | -10.37 | 25 | Pass |
| 20C 120V  | ax20 | 5785 | Ant1 | 5784.94 | -60000  | -10.37 | 25 | Pass |
| 20C 138V  | ax20 | 5785 | Ant1 | 5784.92 | -80000  | -13.83 | 25 | Pass |
| -20C 120V | ax20 | 5785 | Ant1 | 5785.12 | 120000  | 20.74  | 25 | Pass |
| -10C 120V | ax20 | 5785 | Ant1 | 5785    | 0       | 0      | 25 | Pass |
| 0C 120V   | ax20 | 5785 | Ant1 | 5784.94 | -60000  | -10.37 | 25 | Pass |
| 10C 120V  | ax20 | 5785 | Ant1 | 5784.96 | -40000  | -6.91  | 25 | Pass |
| 30C 120V  | ax20 | 5785 | Ant1 | 5784.94 | -60000  | -10.37 | 25 | Pass |
| 40C 120V  | ax20 | 5785 | Ant1 | 5784.96 | -40000  | -6.91  | 25 | Pass |
| 50C 120V  | ax20 | 5785 | Ant1 | 5784.98 | -20000  | -3.46  | 25 | Pass |
| 20C 102V  | ax20 | 5825 | Ant1 | 5824.92 | -80000  | -13.73 | 25 | Pass |
| 20C 120V  | ax20 | 5825 | Ant1 | 5824.92 | -80000  | -13.73 | 25 | Pass |
| 20C 138V  | ax20 | 5825 | Ant1 | 5824.92 | -80000  | -13.73 | 25 | Pass |



|           |      |      |      |         |         |        |    |      |
|-----------|------|------|------|---------|---------|--------|----|------|
| -20C 120V | ax20 | 5825 | Ant1 | 5824.98 | -20000  | -3.43  | 25 | Pass |
| -10C 120V | ax20 | 5825 | Ant1 | 5824.9  | -100000 | -17.17 | 25 | Pass |
| 0C 120V   | ax20 | 5825 | Ant1 | 5824.9  | -100000 | -17.17 | 25 | Pass |
| 10C 120V  | ax20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |
| 30C 120V  | ax20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |
| 40C 120V  | ax20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |
| 50C 120V  | ax20 | 5825 | Ant1 | 5824.9  | -100000 | -17.17 | 25 | Pass |
| 20C 102V  | ax40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 20C 120V  | ax40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 20C 138V  | ax40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| -20C 120V | ax40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| -10C 120V | ax40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 0C 120V   | ax40 | 5755 | Ant1 | 5755    | 0       | 0      | 25 | Pass |
| 10C 120V  | ax40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 30C 120V  | ax40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 40C 120V  | ax40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 50C 120V  | ax40 | 5755 | Ant1 | 5755    | 0       | 0      | 25 | Pass |
| 20C 102V  | ax40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 20C 120V  | ax40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 20C 138V  | ax40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| -20C 120V | ax40 | 5795 | Ant1 | 5795.04 | 40000   | 6.9    | 25 | Pass |
| -10C 120V | ax40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 0C 120V   | ax40 | 5795 | Ant1 | 5795    | 0       | 0      | 25 | Pass |
| 10C 120V  | ax40 | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 30C 120V  | ax40 | 5795 | Ant1 | 5795    | 0       | 0      | 25 | Pass |
| 40C 120V  | ax40 | 5795 | Ant1 | 5795.08 | 80000   | 13.81  | 25 | Pass |
| 50C 120V  | ax40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 20C 102V  | ax80 | 5775 | Ant1 | 5775.06 | 60000   | 10.39  | 25 | Pass |
| 20C 120V  | ax80 | 5775 | Ant1 | 5775.08 | 80000   | 13.85  | 25 | Pass |
| 20C 138V  | ax80 | 5775 | Ant1 | 5775    | 0       | 0      | 25 | Pass |
| -20C 120V | ax80 | 5775 | Ant1 | 5774.92 | -80000  | -13.85 | 25 | Pass |
| -10C 120V | ax80 | 5775 | Ant1 | 5775    | 0       | 0      | 25 | Pass |
| 0C 120V   | ax80 | 5775 | Ant1 | 5775    | 0       | 0      | 25 | Pass |
| 10C 120V  | ax80 | 5775 | Ant1 | 5774.92 | -80000  | -13.85 | 25 | Pass |
| 30C 120V  | ax80 | 5775 | Ant1 | 5775.06 | 60000   | 10.39  | 25 | Pass |
| 40C 120V  | ax80 | 5775 | Ant1 | 5775    | 0       | 0      | 25 | Pass |
| 50C 120V  | ax80 | 5775 | Ant1 | 5775.08 | 80000   | 13.85  | 25 | Pass |

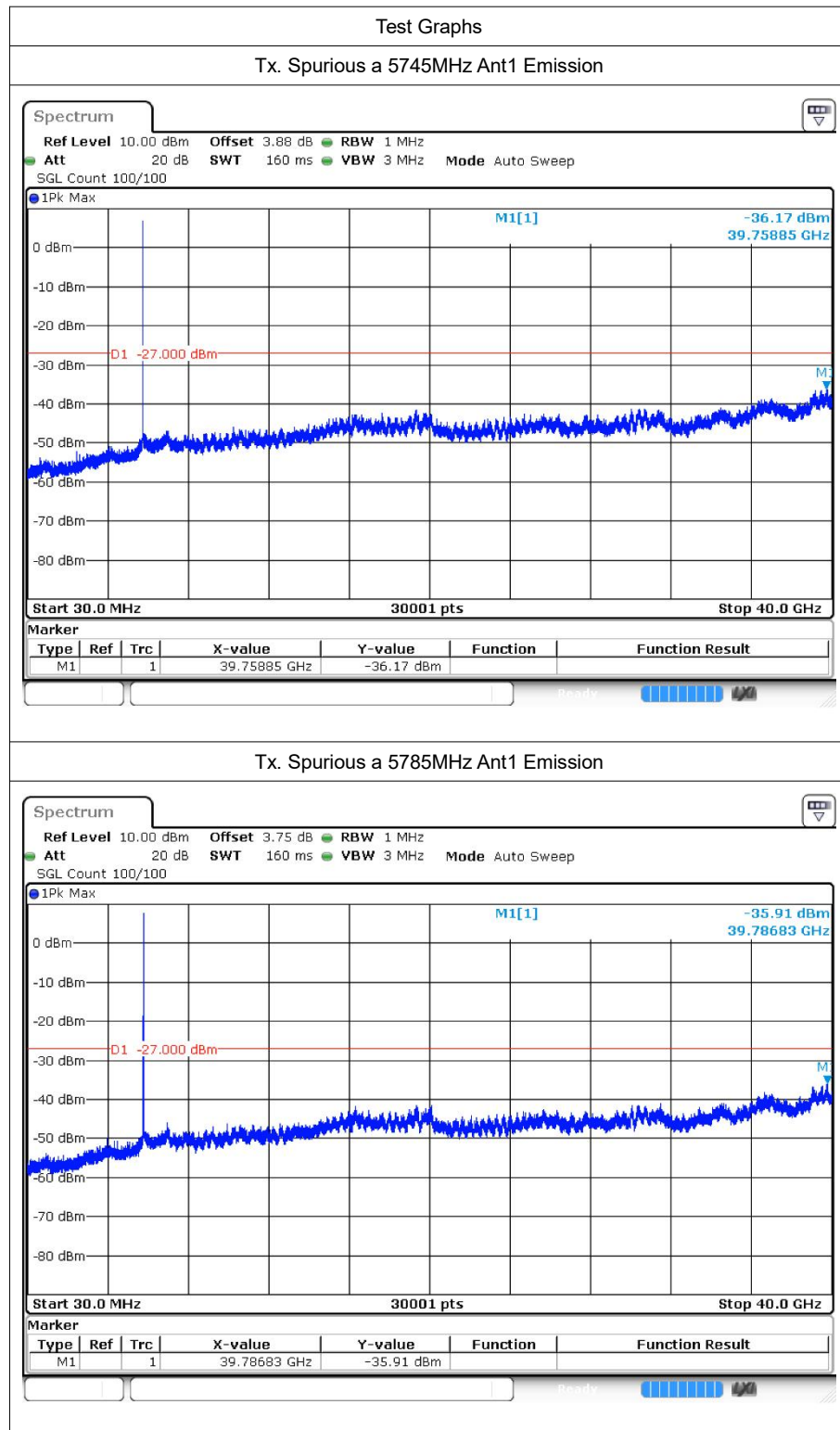


## 7 Conducted RF Spurious Emission

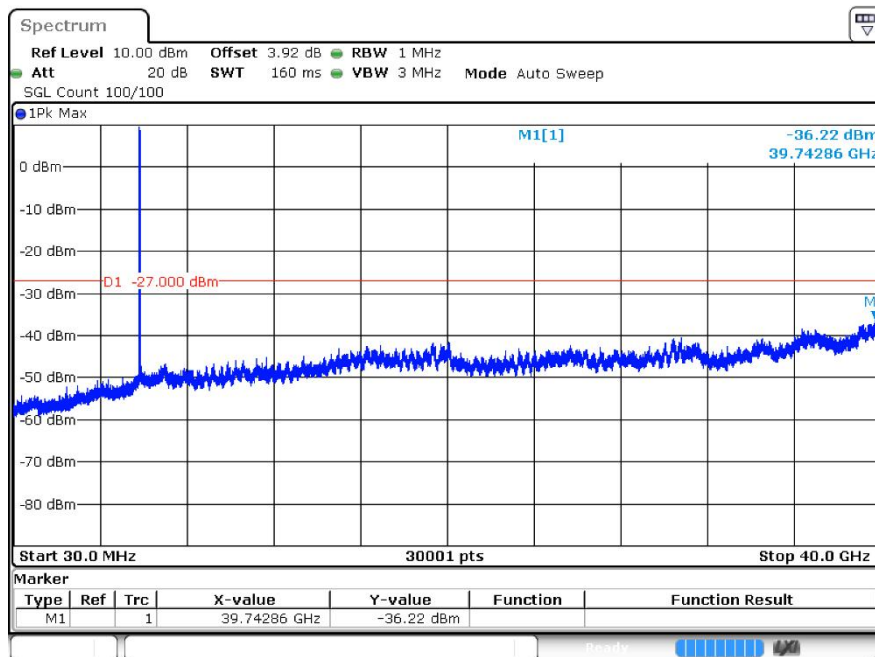
### 7.1 Test Result

| Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|------|-----------------|---------|-----------------|-------------|---------|
| a    | 5745            | Ant1    | -36.17          | -27         | Pass    |
| a    | 5785            | Ant1    | -35.91          | -27         | Pass    |
| a    | 5825            | Ant1    | -36.21          | -27         | Pass    |
| n20  | 5745            | Ant1    | -36.67          | -27         | Pass    |
| n20  | 5785            | Ant1    | -36.58          | -27         | Pass    |
| n20  | 5825            | Ant1    | -36.62          | -27         | Pass    |
| n40  | 5755            | Ant1    | -36.03          | -27         | Pass    |
| n40  | 5795            | Ant1    | -36.69          | -27         | Pass    |
| ac20 | 5745            | Ant1    | -36.6           | -27         | Pass    |
| ac20 | 5785            | Ant1    | -36.67          | -27         | Pass    |
| ac20 | 5825            | Ant1    | -36.08          | -27         | Pass    |
| ac40 | 5755            | Ant1    | -35.12          | -27         | Pass    |
| ac40 | 5795            | Ant1    | -36.47          | -27         | Pass    |
| ac80 | 5775            | Ant1    | -36.63          | -27         | Pass    |
| ax20 | 5745            | Ant1    | -36.22          | -27         | Pass    |
| ax20 | 5785            | Ant1    | -37.06          | -27         | Pass    |
| ax20 | 5825            | Ant1    | -36.44          | -27         | Pass    |
| ax40 | 5755            | Ant1    | -36.29          | -27         | Pass    |
| ax40 | 5795            | Ant1    | -36.21          | -27         | Pass    |
| ax80 | 5775            | Ant1    | -36.65          | -27         | Pass    |

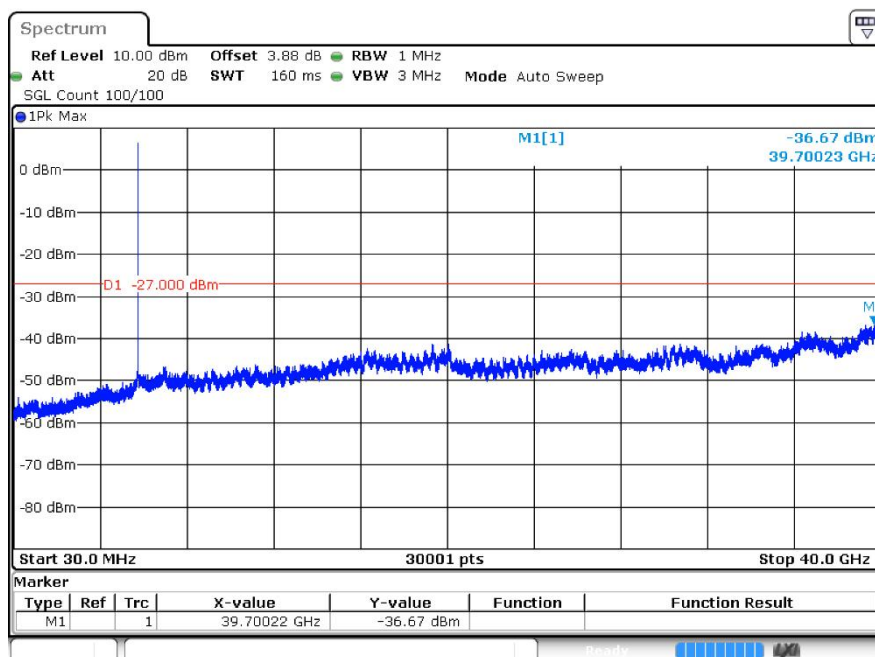
## 7.2 Test Graphs



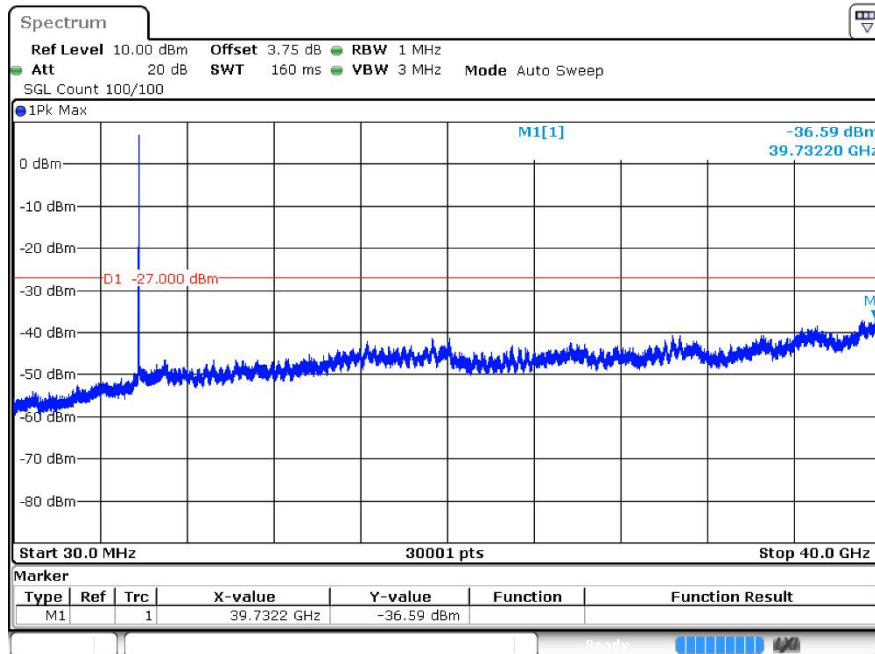
Tx. Spurious a 5825MHz Ant1 Emission



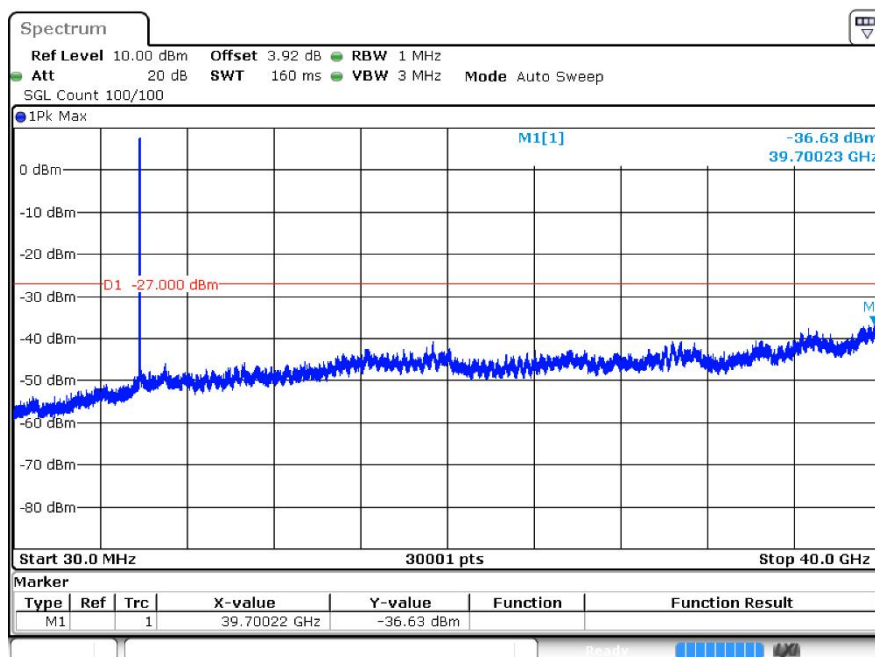
Tx. Spurious n20 5745MHz Ant1 Emission



Tx. Spurious n20 5785MHz Ant1 Emission

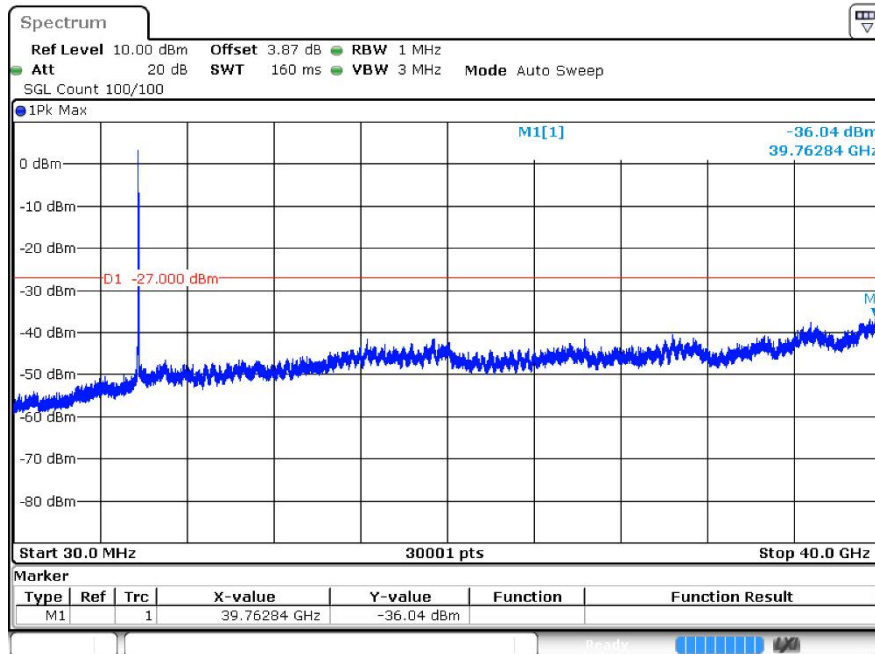


Tx. Spurious n20 5825MHz Ant1 Emission

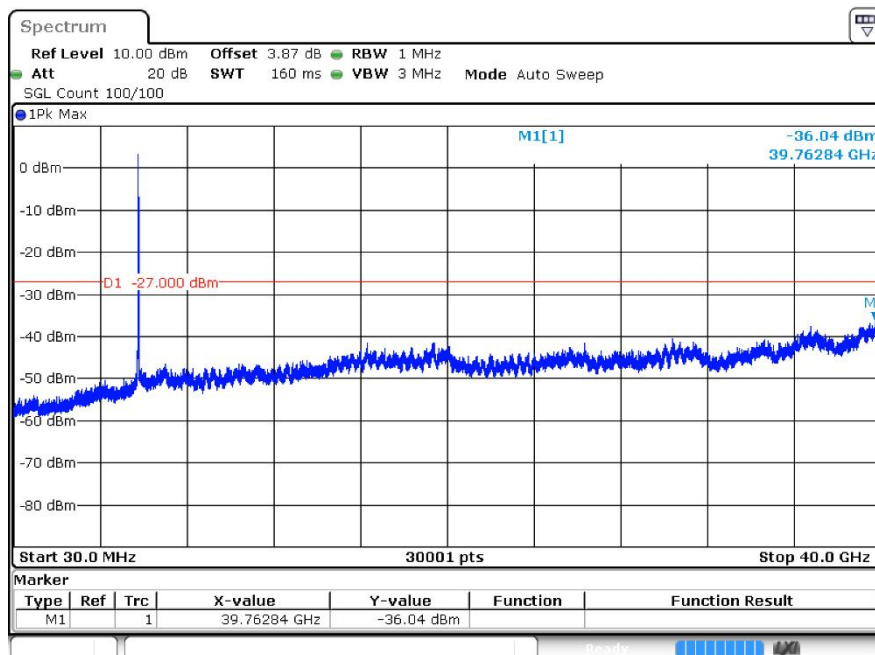




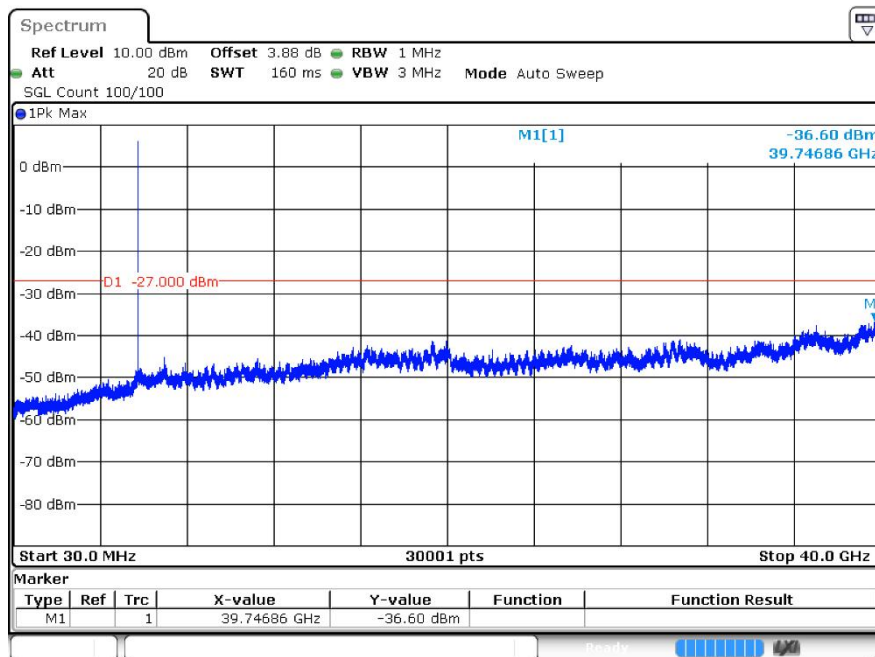
Tx. Spurious n40 5755MHz Ant1 Emission



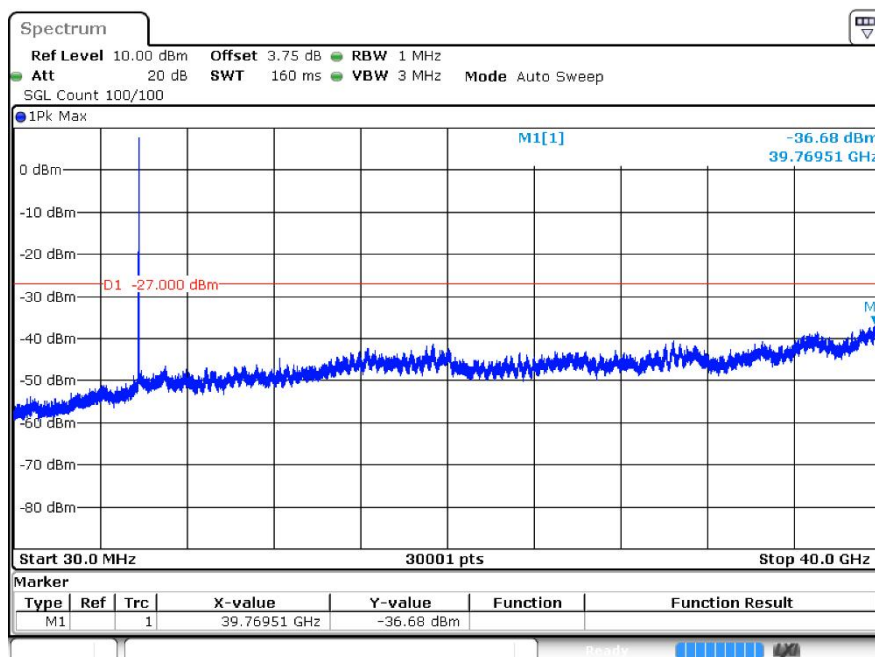
Tx. Spurious n40 5795MHz Ant1 Emission



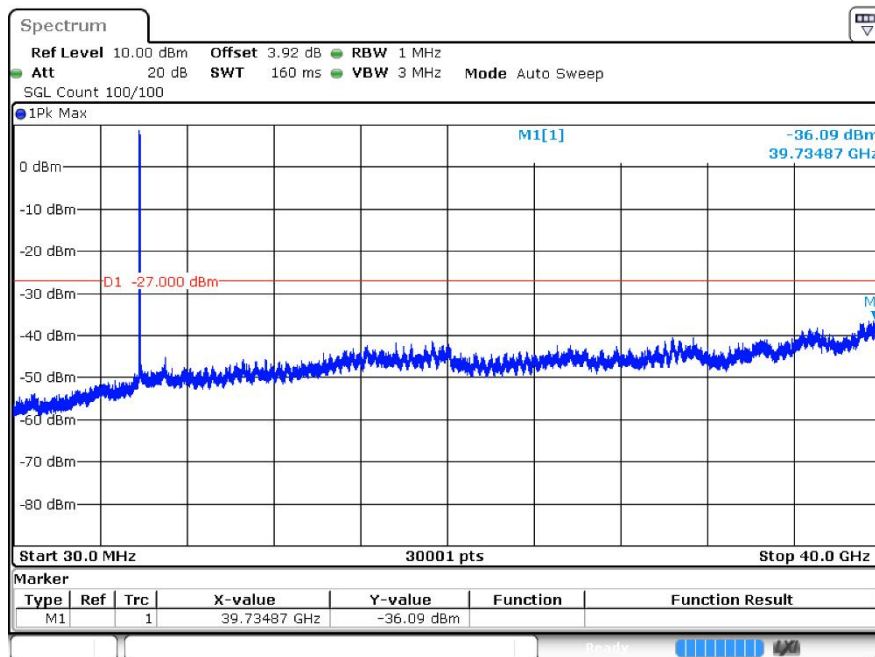
Tx. Spurious ac20 5745MHz Ant1 Emission



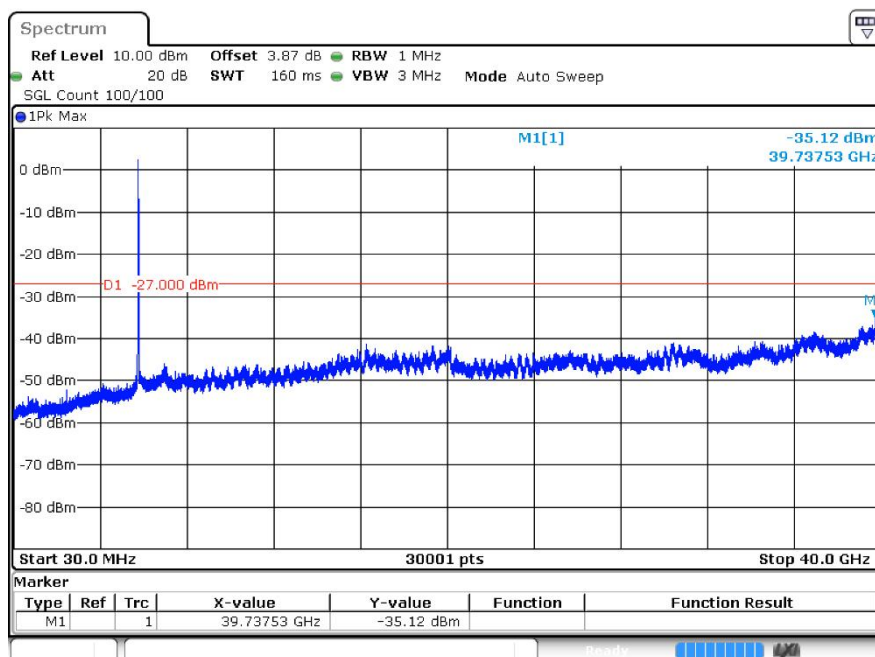
Tx. Spurious ac20 5785MHz Ant1 Emission



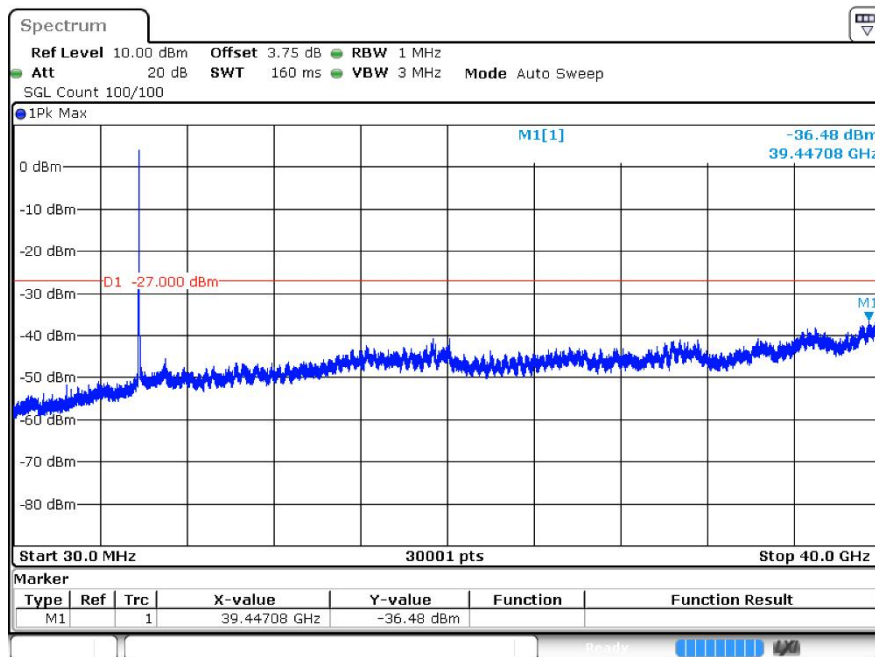
Tx. Spurious ac20 5825MHz Ant1 Emission



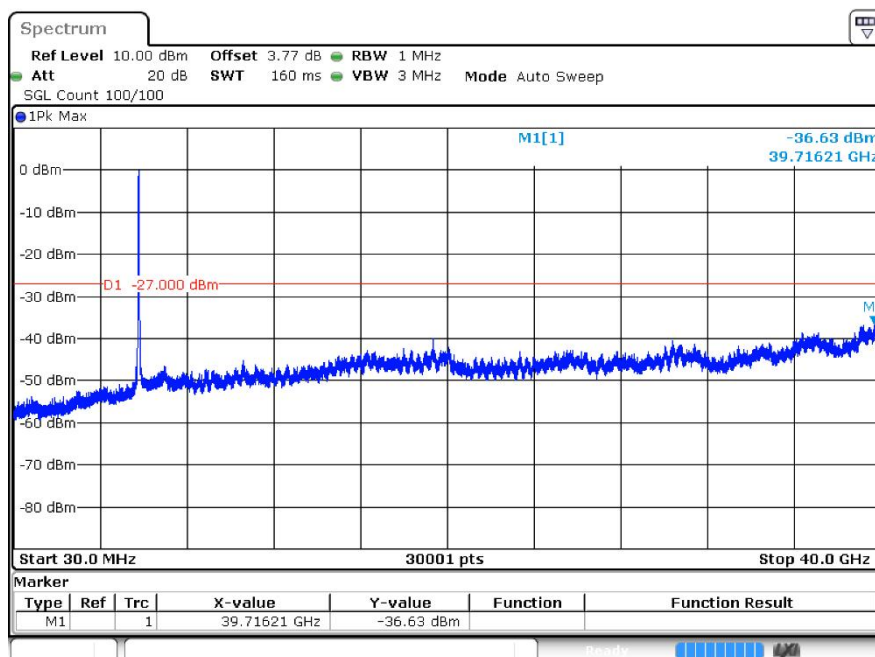
Tx. Spurious ac40 5755MHz Ant1 Emission



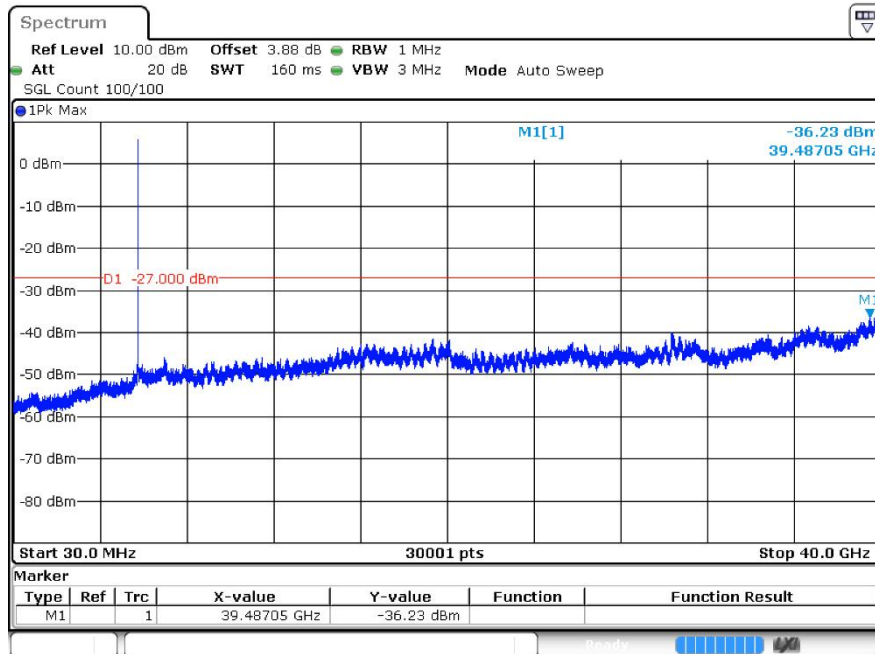
Tx. Spurious ac40 5795MHz Ant1 Emission



Tx. Spurious ac80 5775MHz Ant1 Emission



Tx. Spurious ax20 5745MHz Ant1 Emission



Tx. Spurious ax20 5785MHz Ant1 Emission

