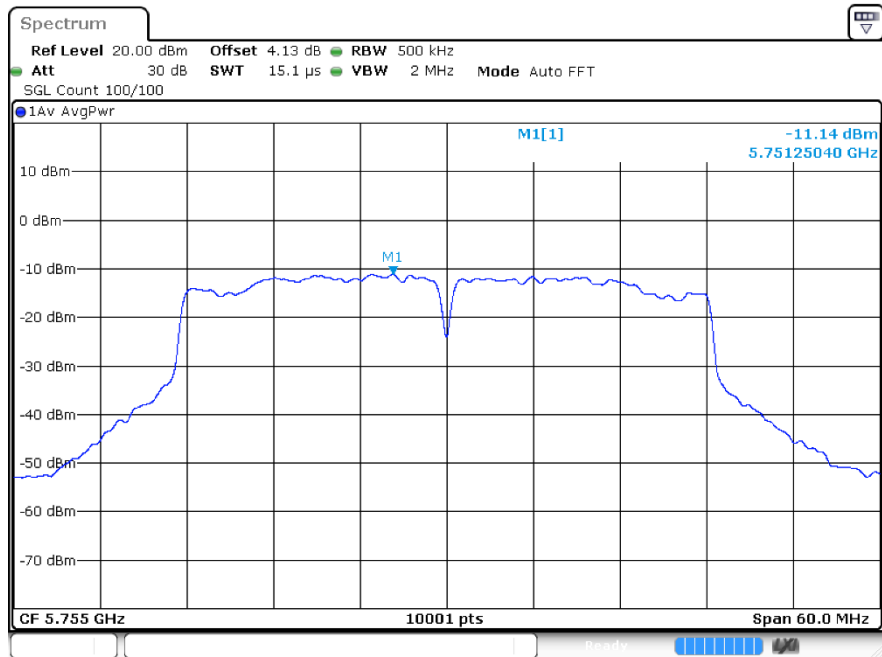
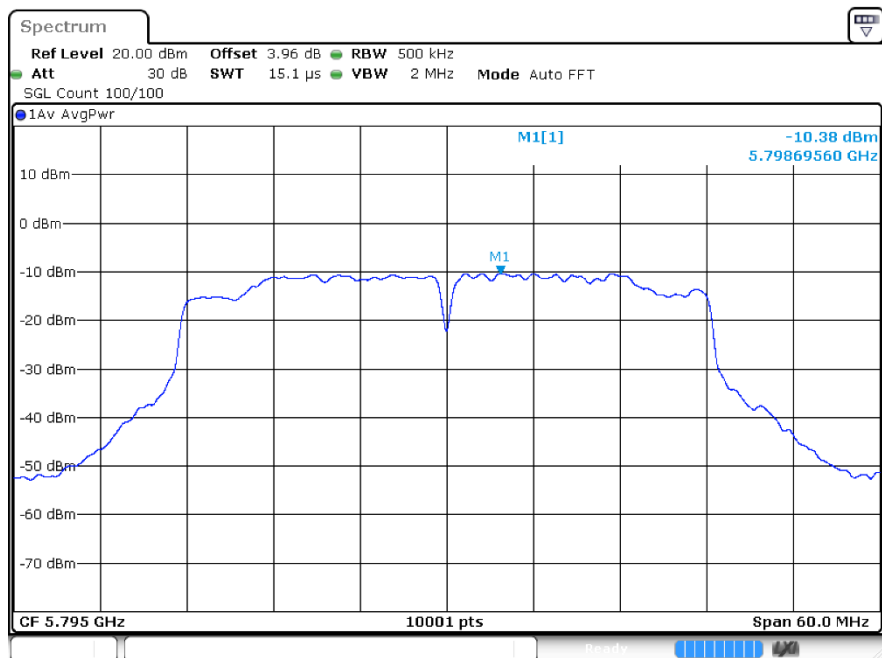


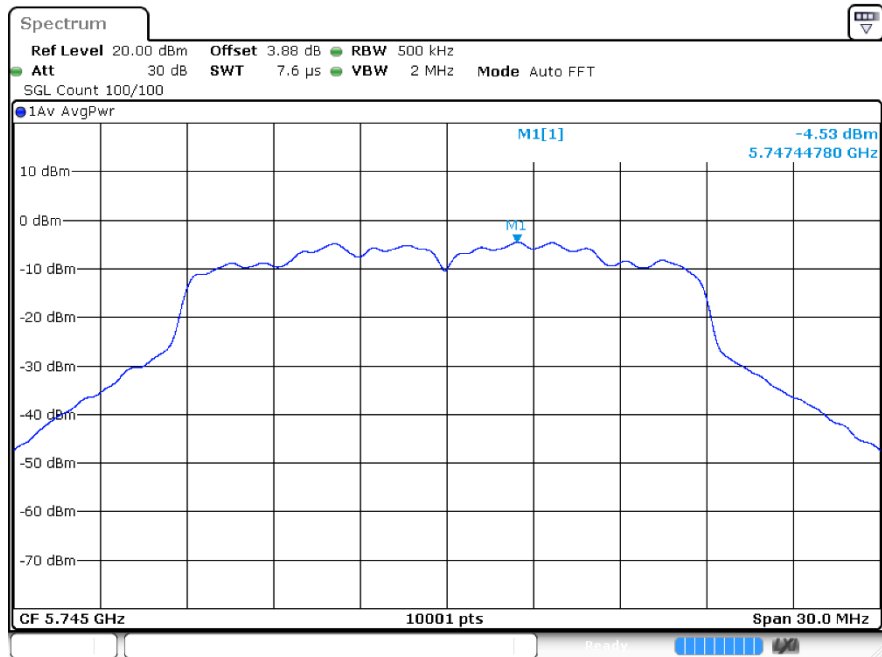
PSD n40 5755MHz Ant2



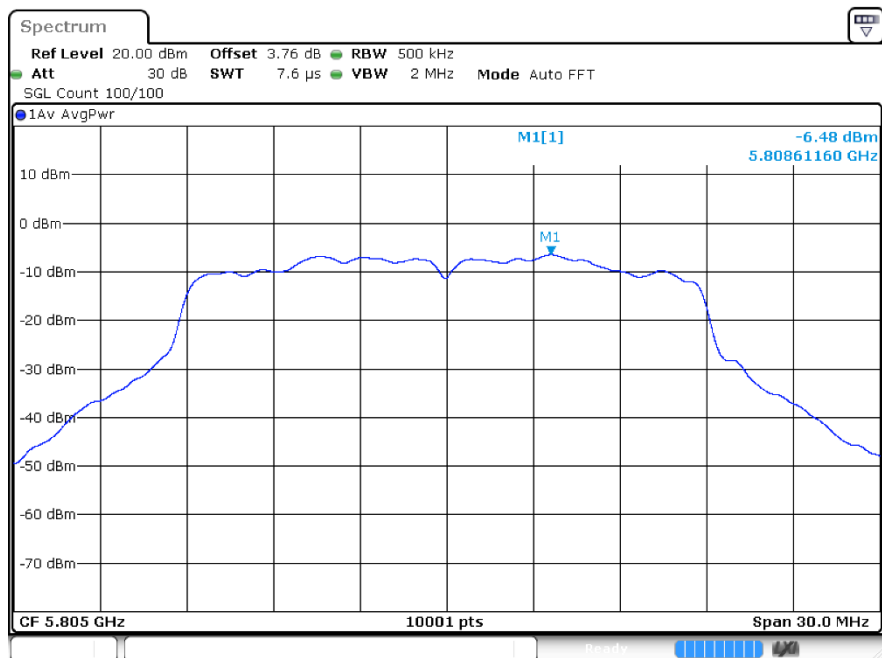
PSD n40 5795MHz Ant2



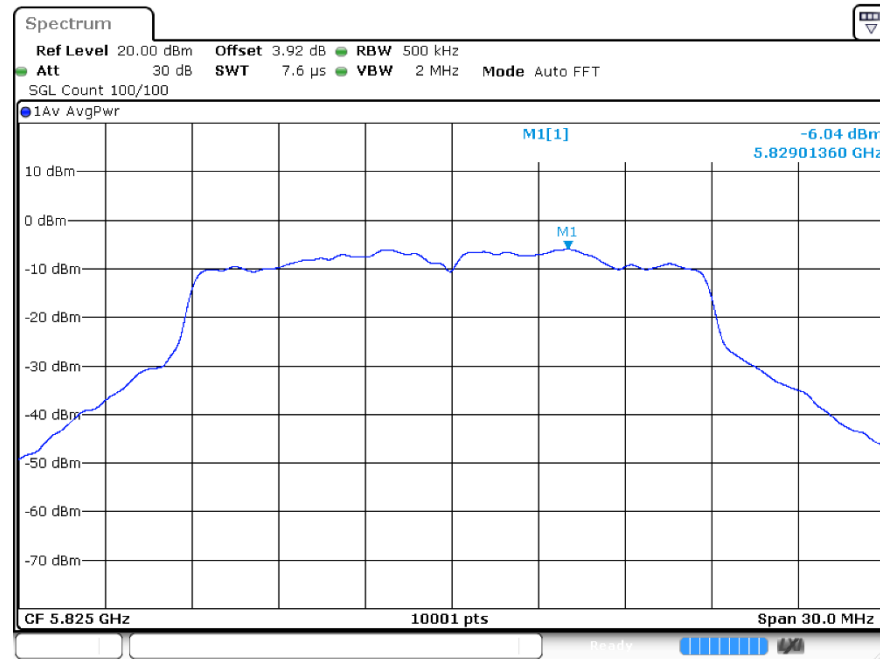
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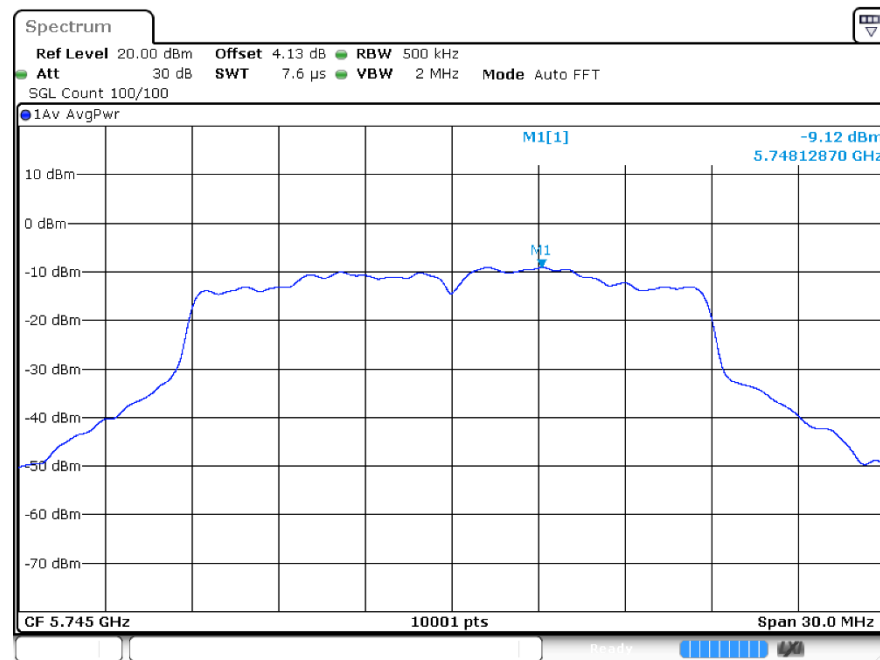
PSD ac20 5805MHz Ant1



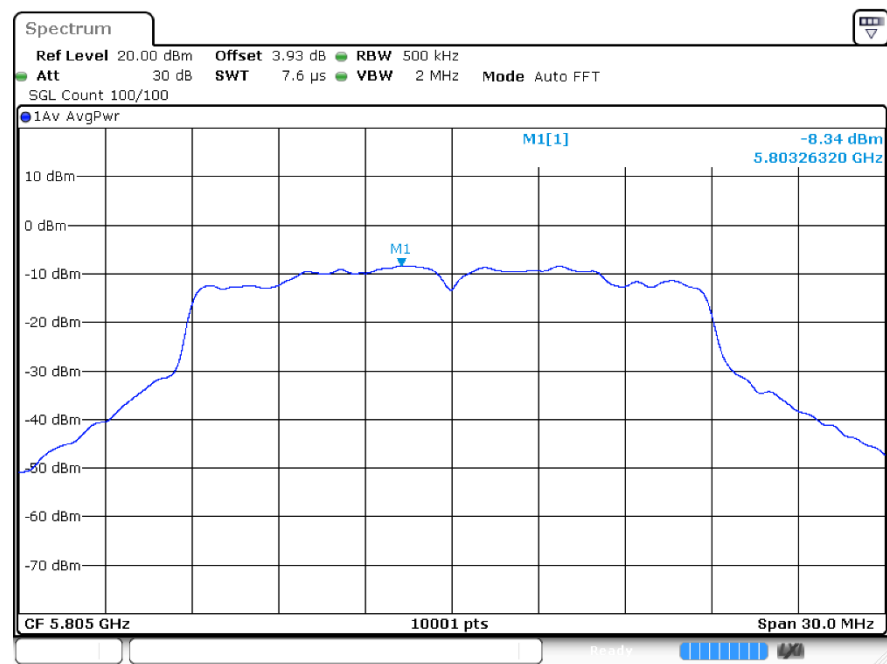
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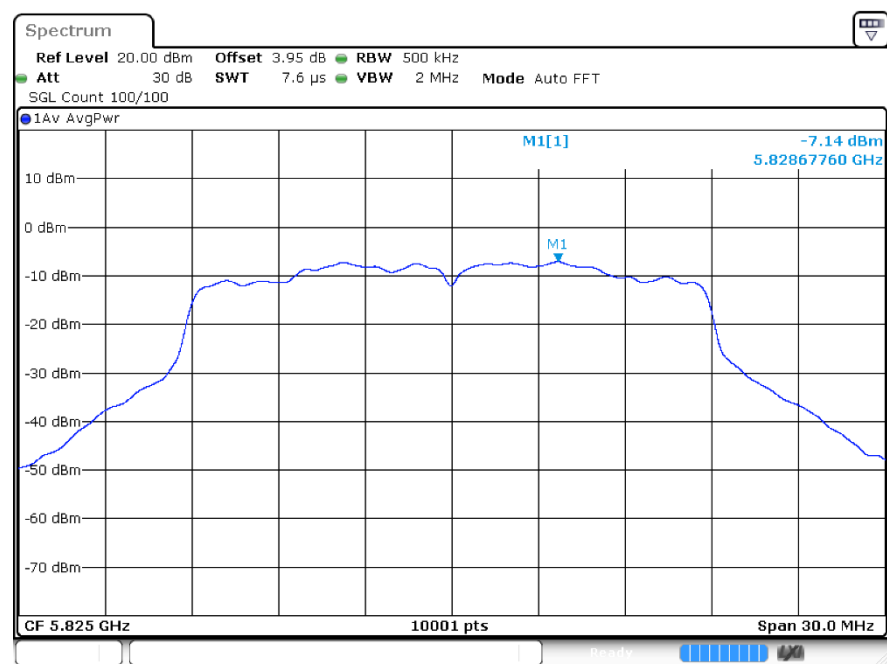
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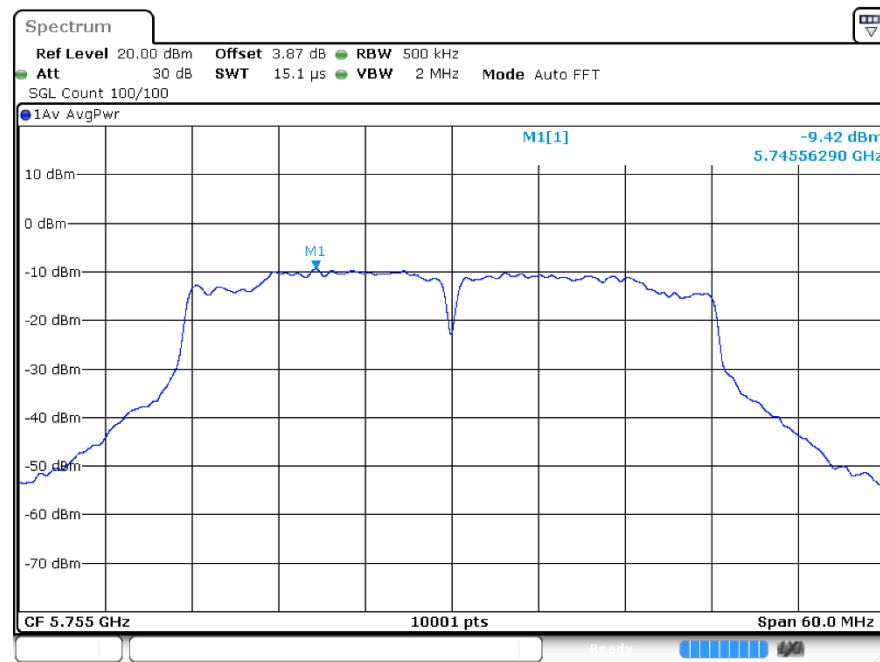
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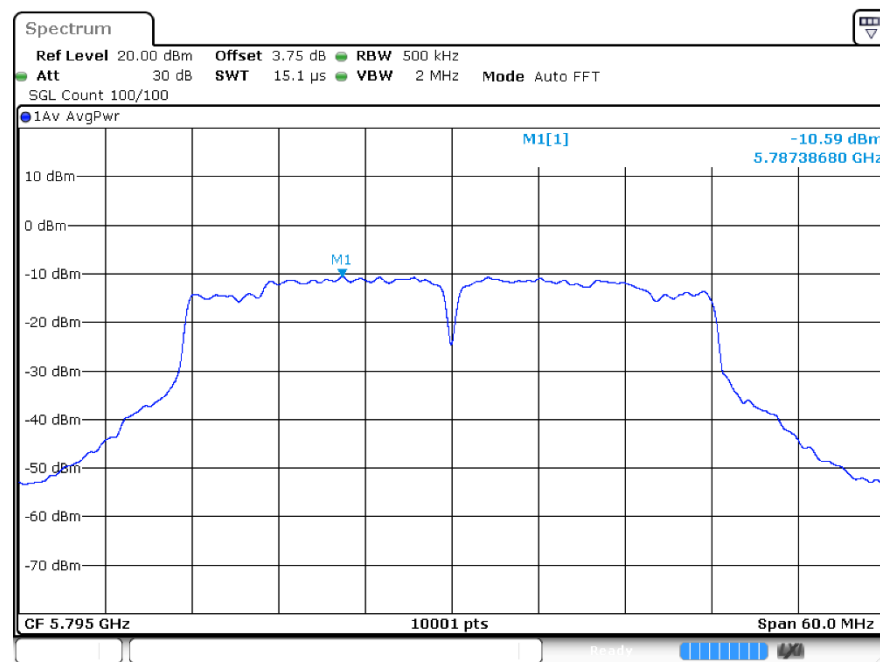
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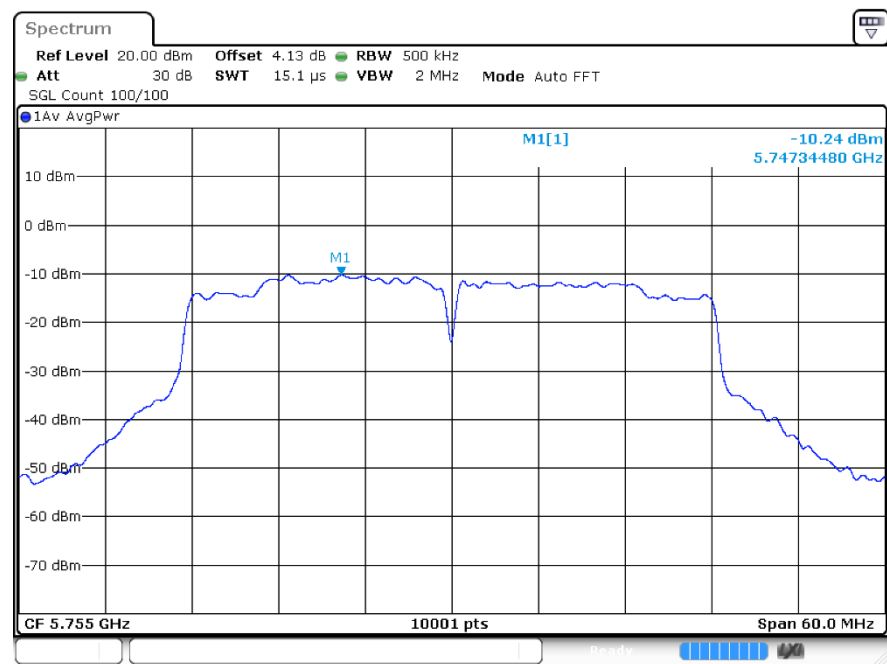
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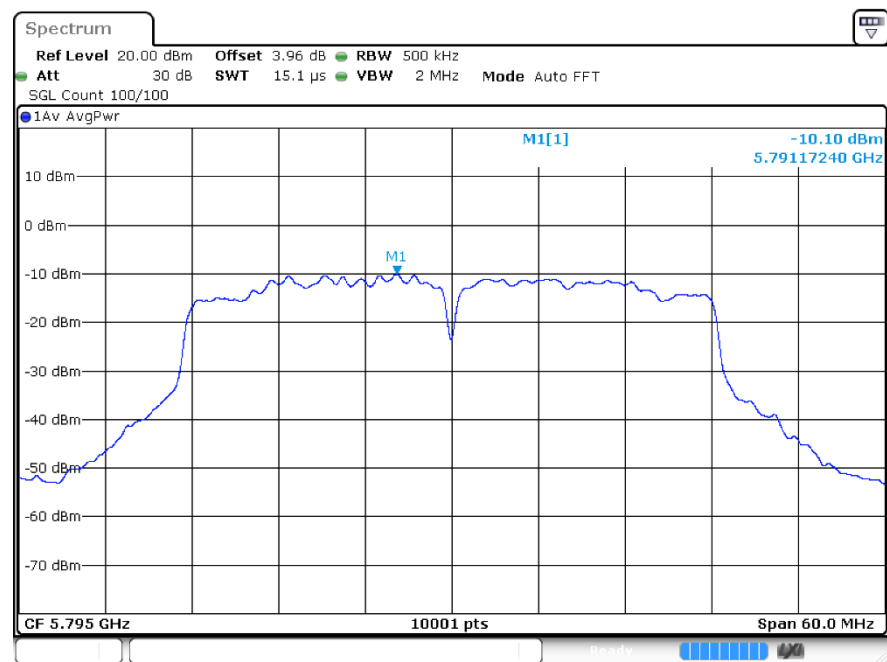
PSD ac40 5795MHz Ant1

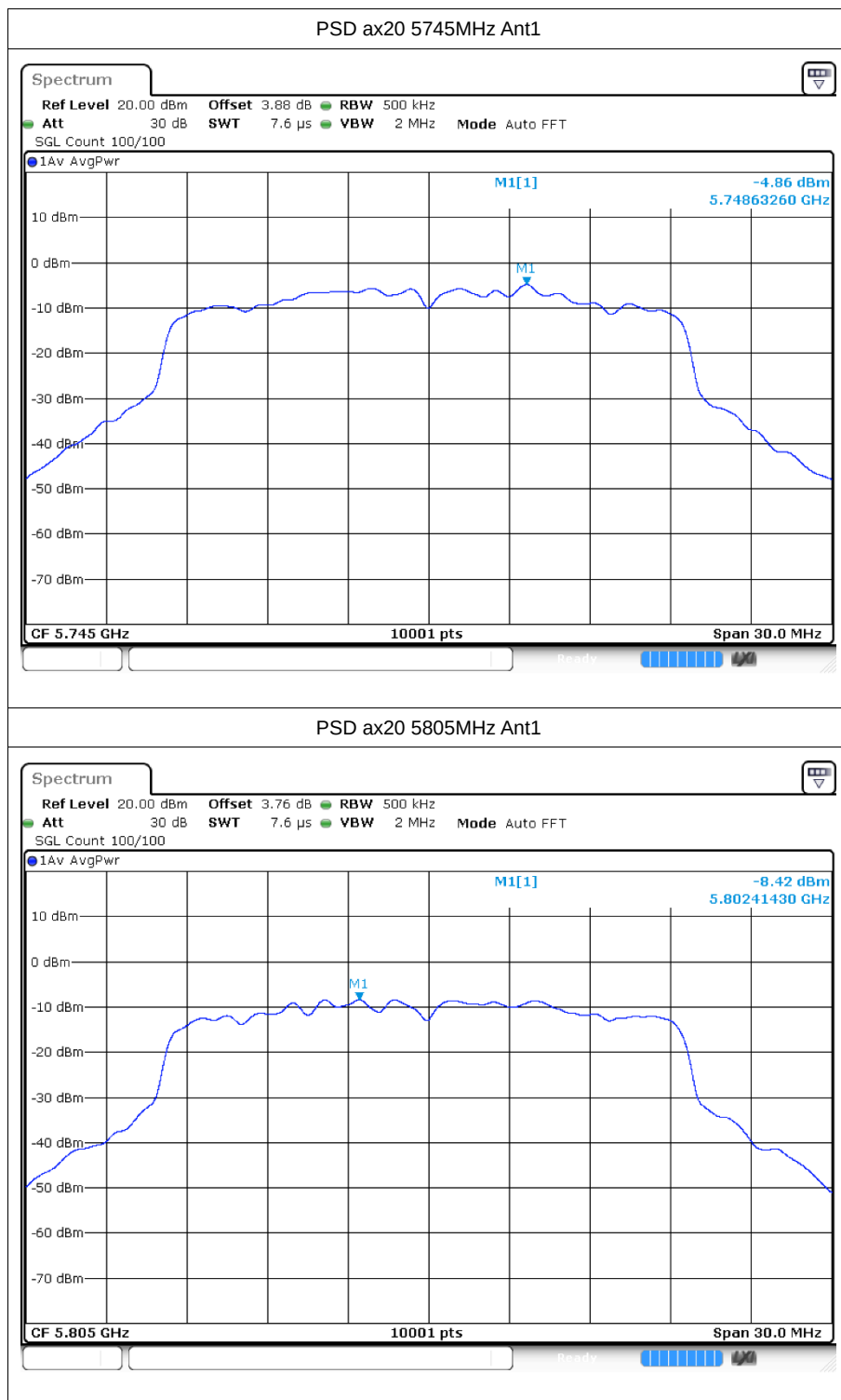


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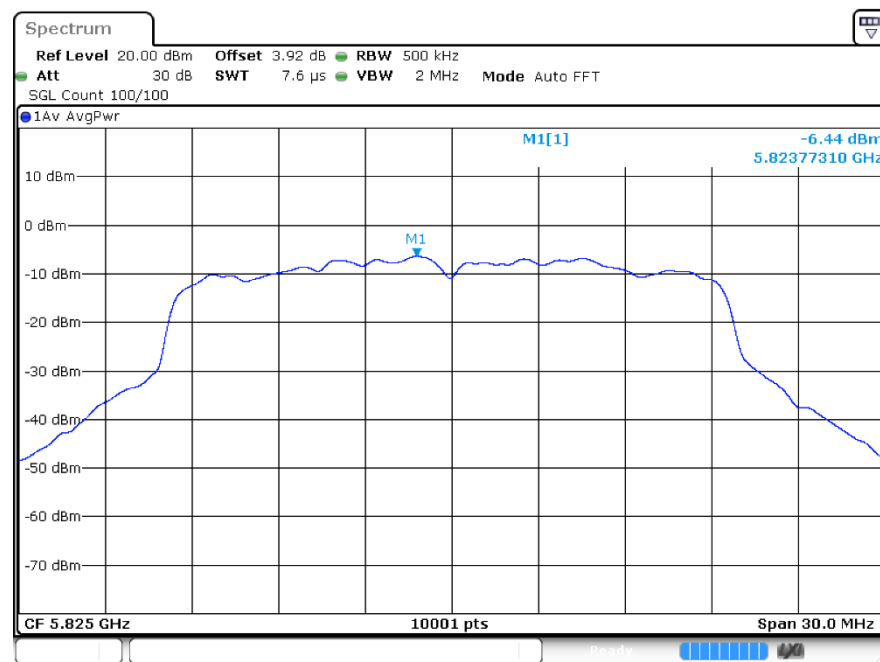


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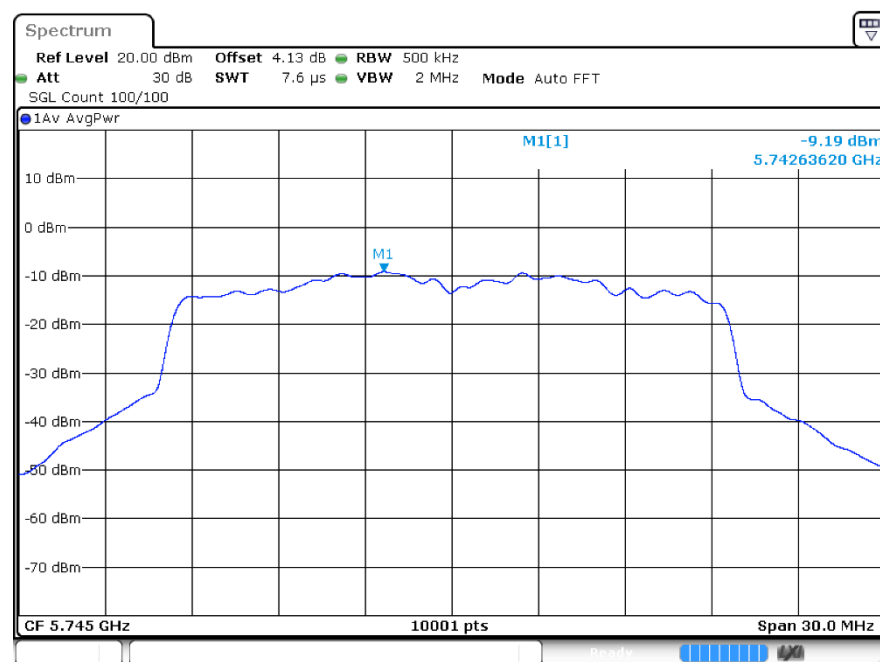




PSD ax20 5825MHz Ant1

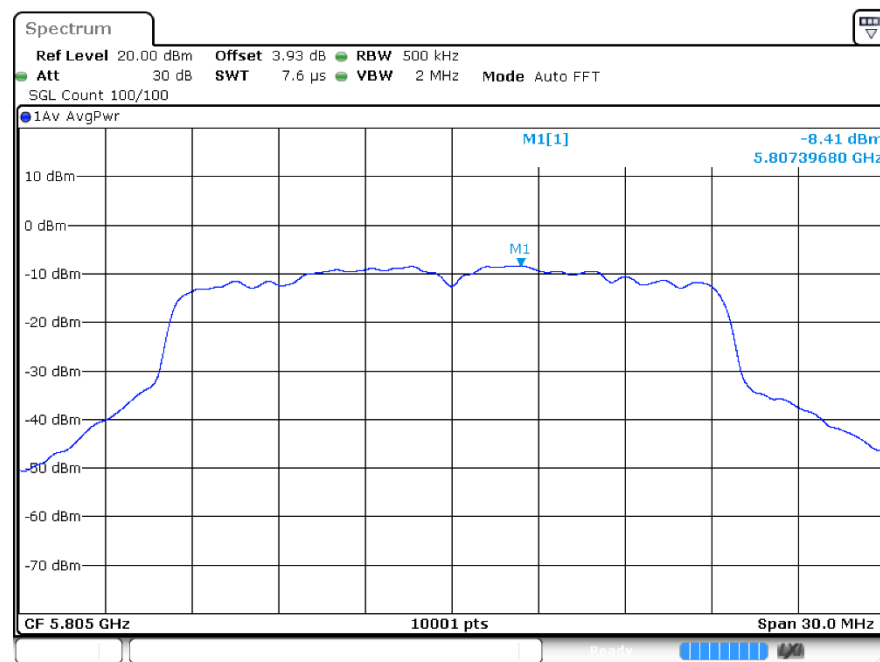


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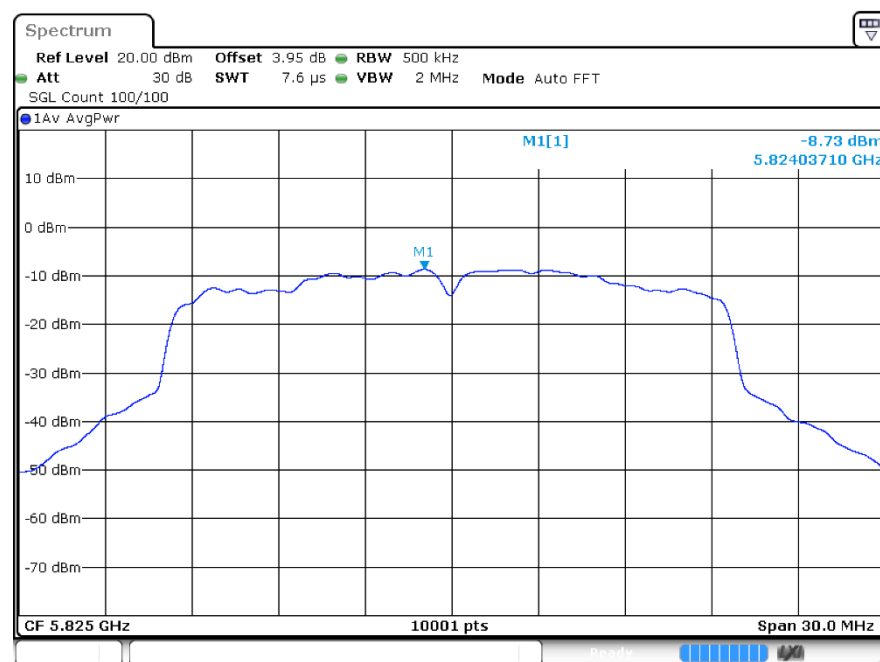




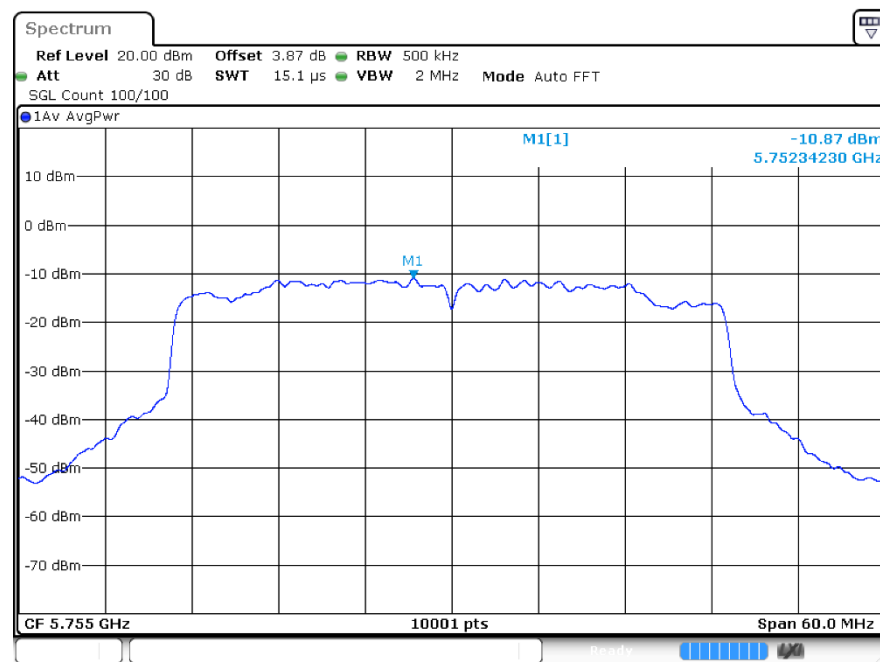
PSD ax20 5805MHz Ant2



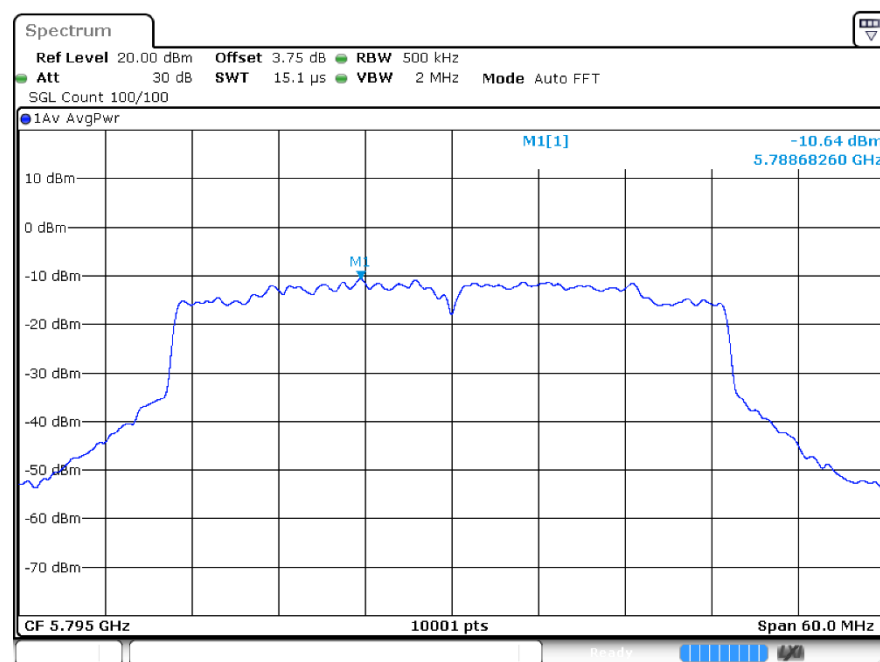
PSD ax20 5825MHz Ant2



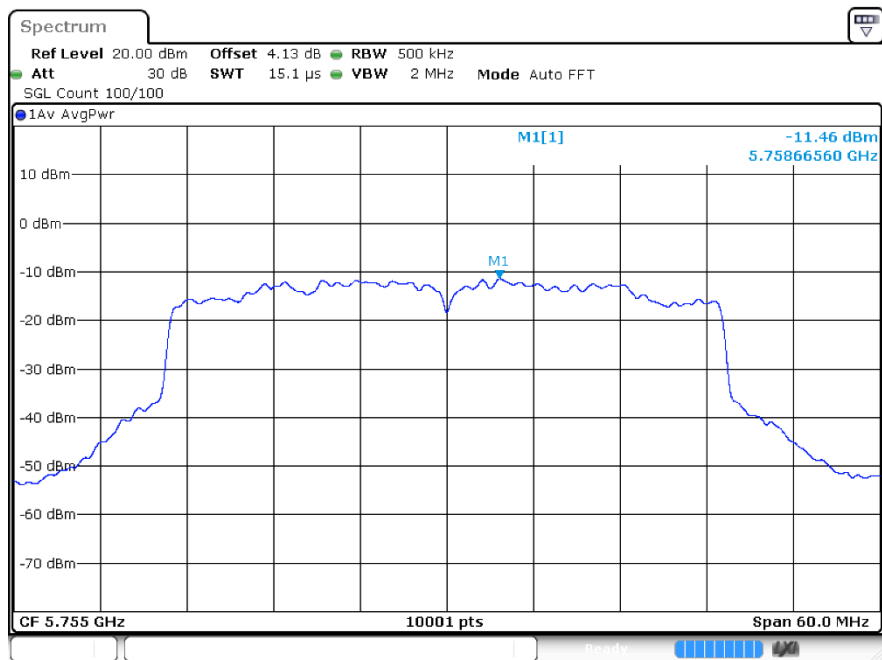
PSD ax40 5755MHz Ant1



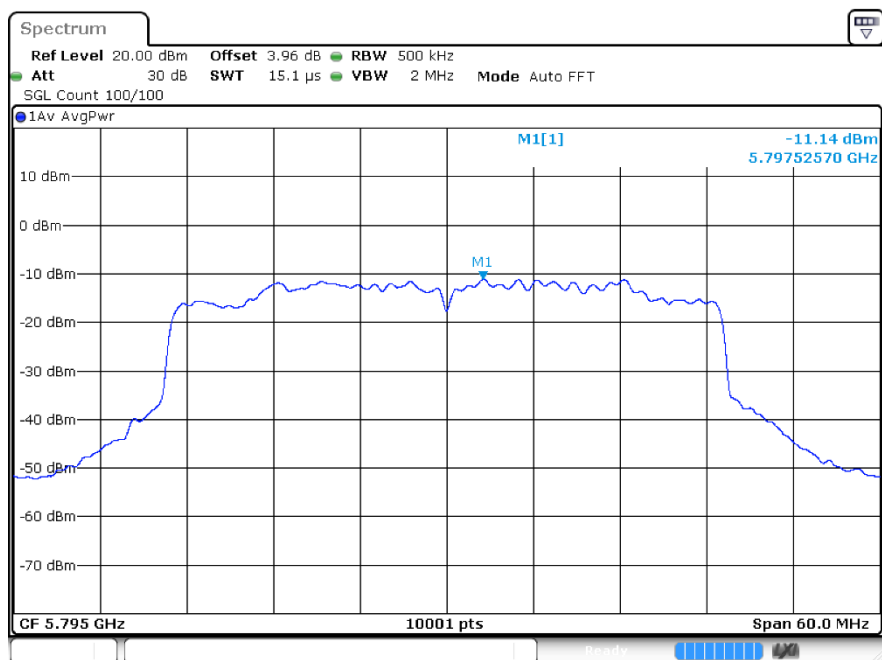
PSD ax40 5795MHz Ant1



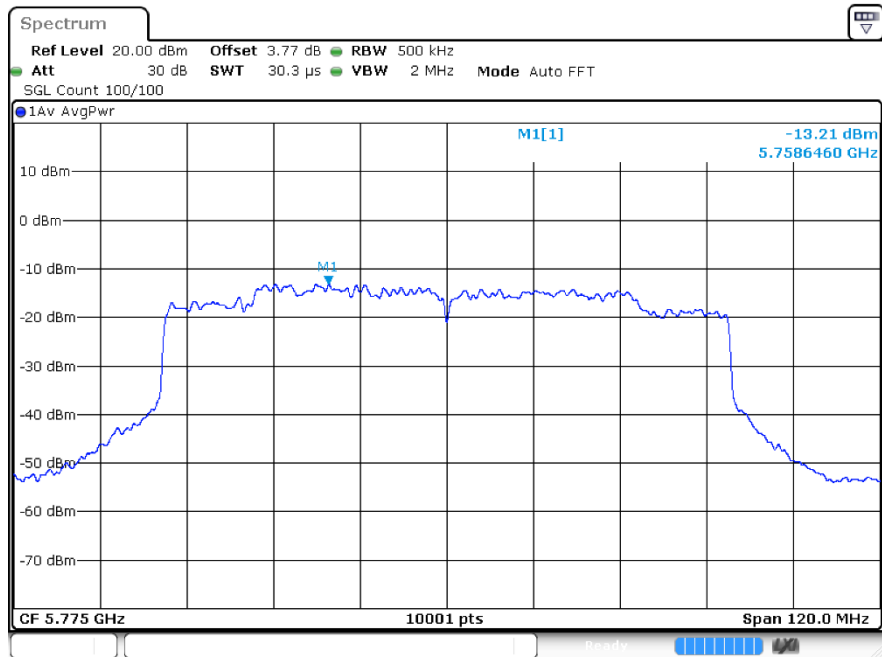
PSD ax40 5755MHz Ant2



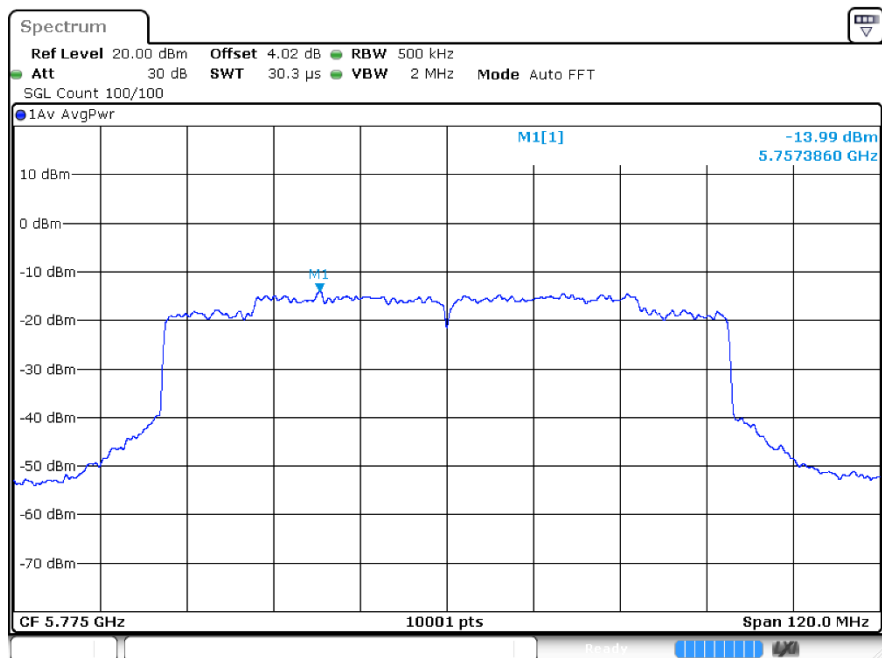
PSD ax40 5795MHz Ant2



PSD ax80 5775MHz Ant1



PSD ax80 5775MHz Ant2





## 6 Frequency Stability

### 6.1 Test Result

| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Frequency Error (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-----------|------|-----------------|---------|--------------------------|----------------------|-----------------|-------------|---------|
| 20C 102V  | n20  | 5745            | Ant1    | 5744.92                  | -80000               | -13.93          | 25          | Pass    |
| 20C 120V  | n20  | 5745            | Ant1    | 5744.94                  | -60000               | -10.44          | 25          | Pass    |
| 20C 138V  | n20  | 5745            | Ant1    | 5744.9                   | -100000              | -17.41          | 25          | Pass    |
| -20C 120V | n20  | 5745            | Ant1    | 5744.96                  | -40000               | -6.96           | 25          | Pass    |
| -10C 120V | n20  | 5745            | Ant1    | 5744.94                  | -60000               | -10.44          | 25          | Pass    |
| 0C 120V   | n20  | 5745            | Ant1    | 5744.94                  | -60000               | -10.44          | 25          | Pass    |
| 10C 120V  | n20  | 5745            | Ant1    | 5744.94                  | -60000               | -10.44          | 25          | Pass    |
| 30C 120V  | n20  | 5745            | Ant1    | 5744.96                  | -40000               | -6.96           | 25          | Pass    |
| 40C 120V  | n20  | 5745            | Ant1    | 5744.96                  | -40000               | -6.96           | 25          | Pass    |
| 50C 120V  | n20  | 5745            | Ant1    | 5744.92                  | -80000               | -13.93          | 25          | Pass    |
| 20C 102V  | n20  | 5805            | Ant1    | 5804.9                   | -100000              | -17.23          | 25          | Pass    |
| 20C 120V  | n20  | 5805            | Ant1    | 5804.94                  | -60000               | -10.34          | 25          | Pass    |
| 20C 138V  | n20  | 5805            | Ant1    | 5804.94                  | -60000               | -10.34          | 25          | Pass    |
| -20C 120V | n20  | 5805            | Ant1    | 5804.96                  | -40000               | -6.89           | 25          | Pass    |
| -10C 120V | n20  | 5805            | Ant1    | 5804.94                  | -60000               | -10.34          | 25          | Pass    |
| 0C 120V   | n20  | 5805            | Ant1    | 5804.92                  | -80000               | -13.78          | 25          | Pass    |
| 10C 120V  | n20  | 5805            | Ant1    | 5804.94                  | -60000               | -10.34          | 25          | Pass    |
| 30C 120V  | n20  | 5805            | Ant1    | 5804.92                  | -80000               | -13.78          | 25          | Pass    |
| 40C 120V  | n20  | 5805            | Ant1    | 5804.96                  | -40000               | -6.89           | 25          | Pass    |
| 50C 120V  | n20  | 5805            | Ant1    | 5804.94                  | -60000               | -10.34          | 25          | Pass    |
| 20C 102V  | n20  | 5825            | Ant1    | 5824.94                  | -60000               | -10.3           | 25          | Pass    |
| 20C 120V  | n20  | 5825            | Ant1    | 5824.94                  | -60000               | -10.3           | 25          | Pass    |
| 20C 138V  | n20  | 5825            | Ant1    | 5824.92                  | -80000               | -13.73          | 25          | Pass    |
| -20C 120V | n20  | 5825            | Ant1    | 5824.94                  | -60000               | -10.3           | 25          | Pass    |
| -10C 120V | n20  | 5825            | Ant1    | 5824.96                  | -40000               | -6.87           | 25          | Pass    |
| 0C 120V   | n20  | 5825            | Ant1    | 5824.94                  | -60000               | -10.3           | 25          | Pass    |
| 10C 120V  | n20  | 5825            | Ant1    | 5824.96                  | -40000               | -6.87           | 25          | Pass    |
| 30C 120V  | n20  | 5825            | Ant1    | 5824.94                  | -60000               | -10.3           | 25          | Pass    |
| 40C 120V  | n20  | 5825            | Ant1    | 5824.94                  | -60000               | -10.3           | 25          | Pass    |
| 50C 120V  | n20  | 5825            | Ant1    | 5824.92                  | -80000               | -13.73          | 25          | Pass    |
| 20C 102V  | n40  | 5755            | Ant1    | 5754.92                  | -80000               | -13.9           | 25          | Pass    |
| 20C 120V  | n40  | 5755            | Ant1    | 5754.96                  | -40000               | -6.95           | 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    | 5754.88                  | -120000              | -20.85          | 25          | Pass    |
| 0C 120V   | n40  | 5755            | Ant1    | 5754.96                  | -40000               | -6.95           | 25          | Pass    |



|           |      |      |      |         |         |        |    |      |
|-----------|------|------|------|---------|---------|--------|----|------|
| 10C 120V  | n40  | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 30C 120V  | n40  | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 40C 120V  | n40  | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 50C 120V  | n40  | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 20C 102V  | n40  | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 20C 120V  | n40  | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 20C 138V  | n40  | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| -20C 120V | n40  | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| -10C 120V | n40  | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 0C 120V   | n40  | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 10C 120V  | n40  | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 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 | 5744.92 | -80000  | -13.93 | 25 | Pass |
| 20C 120V  | ac20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 20C 138V  | ac20 | 5745 | Ant1 | 5744.98 | -20000  | -3.48  | 25 | Pass |
| -20C 120V | ac20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| -10C 120V | ac20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 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 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 40C 120V  | ac20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 50C 120V  | ac20 | 5745 | Ant1 | 5744.96 | -40000  | -6.96  | 25 | Pass |
| 20C 102V  | ac20 | 5805 | Ant1 | 5804.96 | -40000  | -6.89  | 25 | Pass |
| 20C 120V  | ac20 | 5805 | Ant1 | 5804.94 | -60000  | -10.34 | 25 | Pass |
| 20C 138V  | ac20 | 5805 | Ant1 | 5804.94 | -60000  | -10.34 | 25 | Pass |
| -20C 120V | ac20 | 5805 | Ant1 | 5804.94 | -60000  | -10.34 | 25 | Pass |
| -10C 120V | ac20 | 5805 | Ant1 | 5804.94 | -60000  | -10.34 | 25 | Pass |
| 0C 120V   | ac20 | 5805 | Ant1 | 5804.92 | -80000  | -13.78 | 25 | Pass |
| 10C 120V  | ac20 | 5805 | Ant1 | 5804.92 | -80000  | -13.78 | 25 | Pass |
| 30C 120V  | ac20 | 5805 | Ant1 | 5804.94 | -60000  | -10.34 | 25 | Pass |
| 40C 120V  | ac20 | 5805 | Ant1 | 5804.94 | -60000  | -10.34 | 25 | Pass |
| 50C 120V  | ac20 | 5805 | Ant1 | 5804.94 | -60000  | -10.34 | 25 | Pass |
| 20C 102V  | ac20 | 5825 | Ant1 | 5824.98 | -20000  | -3.43  | 25 | Pass |
| 20C 120V  | ac20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |
| 20C 138V  | ac20 | 5825 | Ant1 | 5824.9  | -100000 | -17.17 | 25 | Pass |
| -20C 120V | ac20 | 5825 | Ant1 | 5824.98 | -20000  | -3.43  | 25 | Pass |
| -10C 120V | ac20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |
| 0C 120V   | ac20 | 5825 | Ant1 | 5824.96 | -40000  | -6.87  | 25 | Pass |
| 10C 120V  | ac20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |
| 30C 120V  | ac20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |
| 40C 120V  | ac20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |



|           |      |      |      |         |         |        |    |      |
|-----------|------|------|------|---------|---------|--------|----|------|
| 50C 120V  | ac20 | 5825 | Ant1 | 5824.92 | -80000  | -13.73 | 25 | Pass |
| 20C 102V  | ac40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 20C 120V  | ac40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 20C 138V  | ac40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| -20C 120V | ac40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| -10C 120V | ac40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 0C 120V   | ac40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 10C 120V  | ac40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 30C 120V  | ac40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 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 | 5794.88 | -120000 | -20.71 | 25 | Pass |
| 20C 120V  | ac40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 20C 138V  | ac40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| -20C 120V | ac40 | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| -10C 120V | ac40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 0C 120V   | ac40 | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 10C 120V  | ac40 | 5795 | Ant1 | 5794.88 | -120000 | -20.71 | 25 | Pass |
| 30C 120V  | ac40 | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 40C 120V  | ac40 | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 50C 120V  | ac40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 20C 102V  | ax20 | 5745 | Ant1 | 5744.9  | -100000 | -17.41 | 25 | Pass |
| 20C 120V  | ax20 | 5745 | Ant1 | 5744.96 | -40000  | -6.96  | 25 | Pass |
| 20C 138V  | ax20 | 5745 | Ant1 | 5744.92 | -80000  | -13.93 | 25 | Pass |
| -20C 120V | ax20 | 5745 | Ant1 | 5744.92 | -80000  | -13.93 | 25 | Pass |
| -10C 120V | ax20 | 5745 | Ant1 | 5744.96 | -40000  | -6.96  | 25 | Pass |
| 0C 120V   | ax20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 10C 120V  | ax20 | 5745 | Ant1 | 5744.88 | -120000 | -20.89 | 25 | Pass |
| 30C 120V  | ax20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 40C 120V  | ax20 | 5745 | Ant1 | 5744.92 | -80000  | -13.93 | 25 | Pass |
| 50C 120V  | ax20 | 5745 | Ant1 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 20C 102V  | ax20 | 5805 | Ant1 | 5804.96 | -40000  | -6.89  | 25 | Pass |
| 20C 120V  | ax20 | 5805 | Ant1 | 5804.94 | -60000  | -10.34 | 25 | Pass |
| 20C 138V  | ax20 | 5805 | Ant1 | 5804.96 | -40000  | -6.89  | 25 | Pass |
| -20C 120V | ax20 | 5805 | Ant1 | 5804.94 | -60000  | -10.34 | 25 | Pass |
| -10C 120V | ax20 | 5805 | Ant1 | 5804.92 | -80000  | -13.78 | 25 | Pass |
| 0C 120V   | ax20 | 5805 | Ant1 | 5804.94 | -60000  | -10.34 | 25 | Pass |
| 10C 120V  | ax20 | 5805 | Ant1 | 5804.94 | -60000  | -10.34 | 25 | Pass |
| 30C 120V  | ax20 | 5805 | Ant1 | 5804.92 | -80000  | -13.78 | 25 | Pass |
| 40C 120V  | ax20 | 5805 | Ant1 | 5804.92 | -80000  | -13.78 | 25 | Pass |
| 50C 120V  | ax20 | 5805 | Ant1 | 5804.94 | -60000  | -10.34 | 25 | Pass |
| 20C 102V  | ax20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |
| 20C 120V  | ax20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |



|           |      |      |      |         |         |        |    |      |
|-----------|------|------|------|---------|---------|--------|----|------|
| 20C 138V  | ax20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |
| -20C 120V | ax20 | 5825 | Ant1 | 5824.96 | -40000  | -6.87  | 25 | Pass |
| -10C 120V | ax20 | 5825 | Ant1 | 5824.92 | -80000  | -13.73 | 25 | Pass |
| 0C 120V   | ax20 | 5825 | Ant1 | 5824.94 | -60000  | -10.3  | 25 | Pass |
| 10C 120V  | ax20 | 5825 | Ant1 | 5825.08 | 80000   | 13.73  | 25 | Pass |
| 30C 120V  | ax20 | 5825 | Ant1 | 5824.92 | -80000  | -13.73 | 25 | Pass |
| 40C 120V  | ax20 | 5825 | Ant1 | 5825    | 0       | 0      | 25 | Pass |
| 50C 120V  | ax20 | 5825 | Ant1 | 5825    | 0       | 0      | 25 | Pass |
| 20C 102V  | ax40 | 5755 | Ant1 | 5754.88 | -120000 | -20.85 | 25 | Pass |
| 20C 120V  | ax40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 20C 138V  | ax40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| -20C 120V | ax40 | 5755 | Ant1 | 5754.88 | -120000 | -20.85 | 25 | Pass |
| -10C 120V | ax40 | 5755 | Ant1 | 5754.88 | -120000 | -20.85 | 25 | Pass |
| 0C 120V   | ax40 | 5755 | Ant1 | 5754.88 | -120000 | -20.85 | 25 | Pass |
| 10C 120V  | ax40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 30C 120V  | ax40 | 5755 | Ant1 | 5754.92 | -80000  | -13.9  | 25 | Pass |
| 40C 120V  | ax40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 50C 120V  | ax40 | 5755 | Ant1 | 5754.96 | -40000  | -6.95  | 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 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| -10C 120V | ax40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 0C 120V   | ax40 | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 10C 120V  | ax40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 30C 120V  | ax40 | 5795 | Ant1 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 40C 120V  | ax40 | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 50C 120V  | ax40 | 5795 | Ant1 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 20C 102V  | ax80 | 5775 | Ant1 | 5774.92 | -80000  | -13.85 | 25 | Pass |
| 20C 120V  | ax80 | 5775 | Ant1 | 5774.92 | -80000  | -13.85 | 25 | Pass |
| 20C 138V  | ax80 | 5775 | Ant1 | 5774.92 | -80000  | -13.85 | 25 | Pass |
| -20C 120V | ax80 | 5775 | Ant1 | 5774.92 | -80000  | -13.85 | 25 | Pass |
| -10C 120V | ax80 | 5775 | Ant1 | 5774.92 | -80000  | -13.85 | 25 | Pass |
| 0C 120V   | ax80 | 5775 | Ant1 | 5774.92 | -80000  | -13.85 | 25 | Pass |
| 10C 120V  | ax80 | 5775 | Ant1 | 5774.92 | -80000  | -13.85 | 25 | Pass |
| 30C 120V  | ax80 | 5775 | Ant1 | 5774.92 | -80000  | -13.85 | 25 | Pass |
| 40C 120V  | ax80 | 5775 | Ant1 | 5774.92 | -80000  | -13.85 | 25 | Pass |
| 50C 120V  | ax80 | 5775 | Ant1 | 5774.92 | -80000  | -13.85 | 25 | Pass |
| 20C 102V  | n20  | 5745 | Ant2 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| 20C 120V  | n20  | 5745 | Ant2 | 5744.96 | -40000  | -6.96  | 25 | Pass |
| 20C 138V  | n20  | 5745 | Ant2 | 5744.94 | -60000  | -10.44 | 25 | Pass |
| -20C 120V | n20  | 5745 | Ant2 | 5744.98 | -20000  | -3.48  | 25 | Pass |
| -10C 120V | n20  | 5745 | Ant2 | 5744.92 | -80000  | -13.93 | 25 | Pass |





|           |     |      |      |         |        |        |    |      |
|-----------|-----|------|------|---------|--------|--------|----|------|
| 0C 120V   | n20 | 5745 | Ant2 | 5744.94 | -60000 | -10.44 | 25 | Pass |
| 10C 120V  | n20 | 5745 | Ant2 | 5744.92 | -80000 | -13.93 | 25 | Pass |
| 30C 120V  | n20 | 5745 | Ant2 | 5744.96 | -40000 | -6.96  | 25 | Pass |
| 40C 120V  | n20 | 5745 | Ant2 | 5744.94 | -60000 | -10.44 | 25 | Pass |
| 50C 120V  | n20 | 5745 | Ant2 | 5744.96 | -40000 | -6.96  | 25 | Pass |
| 20C 102V  | n20 | 5805 | Ant2 | 5804.96 | -40000 | -6.89  | 25 | Pass |
| 20C 120V  | n20 | 5805 | Ant2 | 5804.94 | -60000 | -10.34 | 25 | Pass |
| 20C 138V  | n20 | 5805 | Ant2 | 5804.96 | -40000 | -6.89  | 25 | Pass |
| -20C 120V | n20 | 5805 | Ant2 | 5804.96 | -40000 | -6.89  | 25 | Pass |
| -10C 120V | n20 | 5805 | Ant2 | 5804.96 | -40000 | -6.89  | 25 | Pass |
| 0C 120V   | n20 | 5805 | Ant2 | 5804.96 | -40000 | -6.89  | 25 | Pass |
| 10C 120V  | n20 | 5805 | Ant2 | 5804.94 | -60000 | -10.34 | 25 | Pass |
| 30C 120V  | n20 | 5805 | Ant2 | 5804.92 | -80000 | -13.78 | 25 | Pass |
| 40C 120V  | n20 | 5805 | Ant2 | 5804.94 | -60000 | -10.34 | 25 | Pass |
| 50C 120V  | n20 | 5805 | Ant2 | 5804.96 | -40000 | -6.89  | 25 | Pass |
| 20C 102V  | n20 | 5825 | Ant2 | 5824.96 | -40000 | -6.87  | 25 | Pass |
| 20C 120V  | n20 | 5825 | Ant2 | 5824.96 | -40000 | -6.87  | 25 | Pass |
| 20C 138V  | n20 | 5825 | Ant2 | 5824.94 | -60000 | -10.3  | 25 | Pass |
| -20C 120V | n20 | 5825 | Ant2 | 5824.94 | -60000 | -10.3  | 25 | Pass |
| -10C 120V | n20 | 5825 | Ant2 | 5824.94 | -60000 | -10.3  | 25 | Pass |
| 0C 120V   | n20 | 5825 | Ant2 | 5824.96 | -40000 | -6.87  | 25 | Pass |
| 10C 120V  | n20 | 5825 | Ant2 | 5824.98 | -20000 | -3.43  | 25 | Pass |
| 30C 120V  | n20 | 5825 | Ant2 | 5824.94 | -60000 | -10.3  | 25 | Pass |
| 40C 120V  | n20 | 5825 | Ant2 | 5824.96 | -40000 | -6.87  | 25 | Pass |
| 50C 120V  | n20 | 5825 | Ant2 | 5824.94 | -60000 | -10.3  | 25 | Pass |
| 20C 102V  | n40 | 5755 | Ant2 | 5754.92 | -80000 | -13.9  | 25 | Pass |
| 20C 120V  | n40 | 5755 | Ant2 | 5754.92 | -80000 | -13.9  | 25 | Pass |
| 20C 138V  | n40 | 5755 | Ant2 | 5754.96 | -40000 | -6.95  | 25 | Pass |
| -20C 120V | n40 | 5755 | Ant2 | 5754.92 | -80000 | -13.9  | 25 | Pass |
| -10C 120V | n40 | 5755 | Ant2 | 5754.92 | -80000 | -13.9  | 25 | Pass |
| 0C 120V   | n40 | 5755 | Ant2 | 5754.96 | -40000 | -6.95  | 25 | Pass |
| 10C 120V  | n40 | 5755 | Ant2 | 5754.92 | -80000 | -13.9  | 25 | Pass |
| 30C 120V  | n40 | 5755 | Ant2 | 5754.96 | -40000 | -6.95  | 25 | Pass |
| 40C 120V  | n40 | 5755 | Ant2 | 5754.96 | -40000 | -6.95  | 25 | Pass |
| 50C 120V  | n40 | 5755 | Ant2 | 5754.92 | -80000 | -13.9  | 25 | Pass |
| 20C 102V  | n40 | 5795 | Ant2 | 5794.92 | -80000 | -13.81 | 25 | Pass |
| 20C 120V  | n40 | 5795 | Ant2 | 5794.96 | -40000 | -6.9   | 25 | Pass |
| 20C 138V  | n40 | 5795 | Ant2 | 5794.96 | -40000 | -6.9   | 25 | Pass |
| -20C 120V | n40 | 5795 | Ant2 | 5794.96 | -40000 | -6.9   | 25 | Pass |
| -10C 120V | n40 | 5795 | Ant2 | 5794.92 | -80000 | -13.81 | 25 | Pass |
| 0C 120V   | n40 | 5795 | Ant2 | 5794.96 | -40000 | -6.9   | 25 | Pass |
| 10C 120V  | n40 | 5795 | Ant2 | 5794.96 | -40000 | -6.9   | 25 | Pass |
| 30C 120V  | n40 | 5795 | Ant2 | 5794.92 | -80000 | -13.81 | 25 | Pass |



|           |      |      |      |         |        |        |    |      |
|-----------|------|------|------|---------|--------|--------|----|------|
| 40C 120V  | n40  | 5795 | Ant2 | 5795    | 0      | 0      | 25 | Pass |
| 50C 120V  | n40  | 5795 | Ant2 | 5794.92 | -80000 | -13.81 | 25 | Pass |
| 20C 102V  | ac20 | 5745 | Ant2 | 5744.94 | -60000 | -10.44 | 25 | Pass |
| 20C 120V  | ac20 | 5745 | Ant2 | 5744.92 | -80000 | -13.93 | 25 | Pass |
| 20C 138V  | ac20 | 5745 | Ant2 | 5744.96 | -40000 | -6.96  | 25 | Pass |
| -20C 120V | ac20 | 5745 | Ant2 | 5744.96 | -40000 | -6.96  | 25 | Pass |
| -10C 120V | ac20 | 5745 | Ant2 | 5744.96 | -40000 | -6.96  | 25 | Pass |
| 0C 120V   | ac20 | 5745 | Ant2 | 5744.94 | -60000 | -10.44 | 25 | Pass |
| 10C 120V  | ac20 | 5745 | Ant2 | 5744.92 | -80000 | -13.93 | 25 | Pass |
| 30C 120V  | ac20 | 5745 | Ant2 | 5744.98 | -20000 | -3.48  | 25 | Pass |
| 40C 120V  | ac20 | 5745 | Ant2 | 5744.96 | -40000 | -6.96  | 25 | Pass |
| 50C 120V  | ac20 | 5745 | Ant2 | 5744.94 | -60000 | -10.44 | 25 | Pass |
| 20C 102V  | ac20 | 5805 | Ant2 | 5804.96 | -40000 | -6.89  | 25 | Pass |
| 20C 120V  | ac20 | 5805 | Ant2 | 5804.94 | -60000 | -10.34 | 25 | Pass |
| 20C 138V  | ac20 | 5805 | Ant2 | 5804.96 | -40000 | -6.89  | 25 | Pass |
| -20C 120V | ac20 | 5805 | Ant2 | 5804.94 | -60000 | -10.34 | 25 | Pass |
| -10C 120V | ac20 | 5805 | Ant2 | 5804.96 | -40000 | -6.89  | 25 | Pass |
| 0C 120V   | ac20 | 5805 | Ant2 | 5804.96 | -40000 | -6.89  | 25 | Pass |
| 10C 120V  | ac20 | 5805 | Ant2 | 5804.94 | -60000 | -10.34 | 25 | Pass |
| 30C 120V  | ac20 | 5805 | Ant2 | 5804.92 | -80000 | -13.78 | 25 | Pass |
| 40C 120V  | ac20 | 5805 | Ant2 | 5804.98 | -20000 | -3.45  | 25 | Pass |
| 50C 120V  | ac20 | 5805 | Ant2 | 5804.94 | -60000 | -10.34 | 25 | Pass |
| 20C 102V  | ac20 | 5825 | Ant2 | 5824.94 | -60000 | -10.3  | 25 | Pass |
| 20C 120V  | ac20 | 5825 | Ant2 | 5824.94 | -60000 | -10.3  | 25 | Pass |
| 20C 138V  | ac20 | 5825 | Ant2 | 5824.96 | -40000 | -6.87  | 25 | Pass |
| -20C 120V | ac20 | 5825 | Ant2 | 5824.94 | -60000 | -10.3  | 25 | Pass |
| -10C 120V | ac20 | 5825 | Ant2 | 5824.92 | -80000 | -13.73 | 25 | Pass |
| 0C 120V   | ac20 | 5825 | Ant2 | 5824.94 | -60000 | -10.3  | 25 | Pass |
| 10C 120V  | ac20 | 5825 | Ant2 | 5824.94 | -60000 | -10.3  | 25 | Pass |
| 30C 120V  | ac20 | 5825 | Ant2 | 5824.92 | -80000 | -13.73 | 25 | Pass |
| 40C 120V  | ac20 | 5825 | Ant2 | 5824.96 | -40000 | -6.87  | 25 | Pass |
| 50C 120V  | ac20 | 5825 | Ant2 | 5824.92 | -80000 | -13.73 | 25 | Pass |
| 20C 102V  | ac40 | 5755 | Ant2 | 5754.92 | -80000 | -13.9  | 25 | Pass |
| 20C 120V  | ac40 | 5755 | Ant2 | 5754.96 | -40000 | -6.95  | 25 | Pass |
| 20C 138V  | ac40 | 5755 | Ant2 | 5754.92 | -80000 | -13.9  | 25 | Pass |
| -20C 120V | ac40 | 5755 | Ant2 | 5754.92 | -80000 | -13.9  | 25 | Pass |
| -10C 120V | ac40 | 5755 | Ant2 | 5754.92 | -80000 | -13.9  | 25 | Pass |
| 0C 120V   | ac40 | 5755 | Ant2 | 5755    | 0      | 0      | 25 | Pass |
| 10C 120V  | ac40 | 5755 | Ant2 | 5754.96 | -40000 | -6.95  | 25 | Pass |
| 30C 120V  | ac40 | 5755 | Ant2 | 5754.96 | -40000 | -6.95  | 25 | Pass |
| 40C 120V  | ac40 | 5755 | Ant2 | 5754.96 | -40000 | -6.95  | 25 | Pass |
| 50C 120V  | ac40 | 5755 | Ant2 | 5754.92 | -80000 | -13.9  | 25 | Pass |
| 20C 102V  | ac40 | 5795 | Ant2 | 5794.96 | -40000 | -6.9   | 25 | Pass |



|           |      |      |      |         |        |        |    |      |
|-----------|------|------|------|---------|--------|--------|----|------|
| 20C 120V  | ac40 | 5795 | Ant2 | 5794.92 | -80000 | -13.81 | 25 | Pass |
| 20C 138V  | ac40 | 5795 | Ant2 | 5794.96 | -40000 | -6.9   | 25 | Pass |
| -20C 120V | ac40 | 5795 | Ant2 | 5794.96 | -40000 | -6.9   | 25 | Pass |
| -10C 120V | ac40 | 5795 | Ant2 | 5794.92 | -80000 | -13.81 | 25 | Pass |
| 0C 120V   | ac40 | 5795 | Ant2 | 5794.96 | -40000 | -6.9   | 25 | Pass |
| 10C 120V  | ac40 | 5795 | Ant2 | 5794.96 | -40000 | -6.9   | 25 | Pass |
| 30C 120V  | ac40 | 5795 | Ant2 | 5794.96 | -40000 | -6.9   | 25 | Pass |
| 40C 120V  | ac40 | 5795 | Ant2 | 5794.96 | -40000 | -6.9   | 25 | Pass |
| 50C 120V  | ac40 | 5795 | Ant2 | 5795    | 0      | 0      | 25 | Pass |
| 20C 102V  | ax20 | 5745 | Ant2 | 5744.94 | -60000 | -10.44 | 25 | Pass |
| 20C 120V  | ax20 | 5745 | Ant2 | 5744.96 | -40000 | -6.96  | 25 | Pass |
| 20C 138V  | ax20 | 5745 | Ant2 | 5744.94 | -60000 | -10.44 | 25 | Pass |
| -20C 120V | ax20 | 5745 | Ant2 | 5744.96 | -40000 | -6.96  | 25 | Pass |
| -10C 120V | ax20 | 5745 | Ant2 | 5744.96 | -40000 | -6.96  | 25 | Pass |
| 0C 120V   | ax20 | 5745 | Ant2 | 5744.94 | -60000 | -10.44 | 25 | Pass |
| 10C 120V  | ax20 | 5745 | Ant2 | 5744.94 | -60000 | -10.44 | 25 | Pass |
| 30C 120V  | ax20 | 5745 | Ant2 | 5744.96 | -40000 | -6.96  | 25 | Pass |
| 40C 120V  | ax20 | 5745 | Ant2 | 5744.96 | -40000 | -6.96  | 25 | Pass |
| 50C 120V  | ax20 | 5745 | Ant2 | 5744.98 | -20000 | -3.48  | 25 | Pass |
| 20C 102V  | ax20 | 5805 | Ant2 | 5804.94 | -60000 | -10.34 | 25 | Pass |
| 20C 120V  | ax20 | 5805 | Ant2 | 5804.94 | -60000 | -10.34 | 25 | Pass |
| 20C 138V  | ax20 | 5805 | Ant2 | 5804.92 | -80000 | -13.78 | 25 | Pass |
| -20C 120V | ax20 | 5805 | Ant2 | 5804.96 | -40000 | -6.89  | 25 | Pass |
| -10C 120V | ax20 | 5805 | Ant2 | 5804.96 | -40000 | -6.89  | 25 | Pass |
| 0C 120V   | ax20 | 5805 | Ant2 | 5804.96 | -40000 | -6.89  | 25 | Pass |
| 10C 120V  | ax20 | 5805 | Ant2 | 5804.96 | -40000 | -6.89  | 25 | Pass |
| 30C 120V  | ax20 | 5805 | Ant2 | 5804.96 | -40000 | -6.89  | 25 | Pass |
| 40C 120V  | ax20 | 5805 | Ant2 | 5804.96 | -40000 | -6.89  | 25 | Pass |
| 50C 120V  | ax20 | 5805 | Ant2 | 5804.96 | -40000 | -6.89  | 25 | Pass |
| 20C 102V  | ax20 | 5825 | Ant2 | 5824.96 | -40000 | -6.87  | 25 | Pass |
| 20C 120V  | ax20 | 5825 | Ant2 | 5824.96 | -40000 | -6.87  | 25 | Pass |
| 20C 138V  | ax20 | 5825 | Ant2 | 5824.92 | -80000 | -13.73 | 25 | Pass |
| -20C 120V | ax20 | 5825 | Ant2 | 5824.92 | -80000 | -13.73 | 25 | Pass |
| -10C 120V | ax20 | 5825 | Ant2 | 5824.94 | -60000 | -10.3  | 25 | Pass |
| 0C 120V   | ax20 | 5825 | Ant2 | 5824.96 | -40000 | -6.87  | 25 | Pass |
| 10C 120V  | ax20 | 5825 | Ant2 | 5824.96 | -40000 | -6.87  | 25 | Pass |
| 30C 120V  | ax20 | 5825 | Ant2 | 5824.96 | -40000 | -6.87  | 25 | Pass |
| 40C 120V  | ax20 | 5825 | Ant2 | 5824.92 | -80000 | -13.73 | 25 | Pass |
| 50C 120V  | ax20 | 5825 | Ant2 | 5824.98 | -20000 | -3.43  | 25 | Pass |
| 20C 102V  | ax40 | 5755 | Ant2 | 5754.96 | -40000 | -6.95  | 25 | Pass |
| 20C 120V  | ax40 | 5755 | Ant2 | 5754.92 | -80000 | -13.9  | 25 | Pass |
| 20C 138V  | ax40 | 5755 | Ant2 | 5754.96 | -40000 | -6.95  | 25 | Pass |
| -20C 120V | ax40 | 5755 | Ant2 | 5754.92 | -80000 | -13.9  | 25 | Pass |



|           |      |      |      |         |         |        |    |      |
|-----------|------|------|------|---------|---------|--------|----|------|
| -10C 120V | ax40 | 5755 | Ant2 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 0C 120V   | ax40 | 5755 | Ant2 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 10C 120V  | ax40 | 5755 | Ant2 | 5754.96 | -40000  | -6.95  | 25 | Pass |
| 30C 120V  | ax40 | 5755 | Ant2 | 5754.88 | -120000 | -20.85 | 25 | Pass |
| 40C 120V  | ax40 | 5755 | Ant2 | 5754.88 | -120000 | -20.85 | 25 | Pass |
| 50C 120V  | ax40 | 5755 | Ant2 | 5755.04 | 40000   | 6.95   | 25 | Pass |
| 20C 102V  | ax40 | 5795 | Ant2 | 5794.88 | -120000 | -20.71 | 25 | Pass |
| 20C 120V  | ax40 | 5795 | Ant2 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 20C 138V  | ax40 | 5795 | Ant2 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| -20C 120V | ax40 | 5795 | Ant2 | 5795    | 0       | 0      | 25 | Pass |
| -10C 120V | ax40 | 5795 | Ant2 | 5795    | 0       | 0      | 25 | Pass |
| 0C 120V   | ax40 | 5795 | Ant2 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 10C 120V  | ax40 | 5795 | Ant2 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 30C 120V  | ax40 | 5795 | Ant2 | 5794.96 | -40000  | -6.9   | 25 | Pass |
| 40C 120V  | ax40 | 5795 | Ant2 | 5795    | 0       | 0      | 25 | Pass |
| 50C 120V  | ax40 | 5795 | Ant2 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 20C 102V  | ax80 | 5795 | Ant2 | 5794.92 | -80000  | -13.81 | 25 | Pass |
| 20C 120V  | ax80 | 5775 | Ant2 | 5774.92 | -80000  | -13.85 | 25 | Pass |
| 20C 138V  | ax80 | 5775 | Ant2 | 5775    | 0       | 0      | 25 | Pass |
| -20C 120V | ax80 | 5775 | Ant2 | 5774.92 | -80000  | -13.85 | 25 | Pass |
| -10C 120V | ax80 | 5775 | Ant2 | 5774.92 | -80000  | -13.85 | 25 | Pass |
| 0C 120V   | ax80 | 5775 | Ant2 | 5774.92 | -80000  | -13.85 | 25 | Pass |
| 10C 120V  | ax80 | 5775 | Ant2 | 5775    | 0       | 0      | 25 | Pass |
| 30C 120V  | ax80 | 5775 | Ant2 | 5775    | 0       | 0      | 25 | Pass |
| 40C 120V  | ax80 | 5775 | Ant2 | 5774.92 | -80000  | -13.85 | 25 | Pass |
| 50C 120V  | ax80 | 5775 | Ant2 | 5774.92 | -80000  | -13.85 | 25 | Pass |

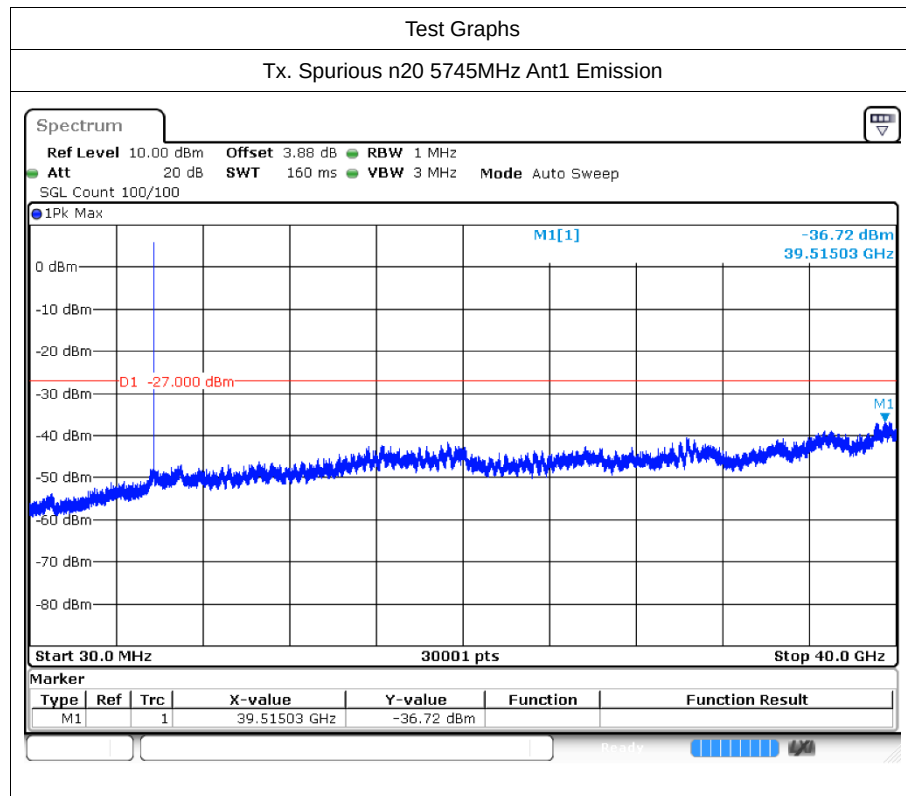


## 7 Conducted RF Spurious Emission

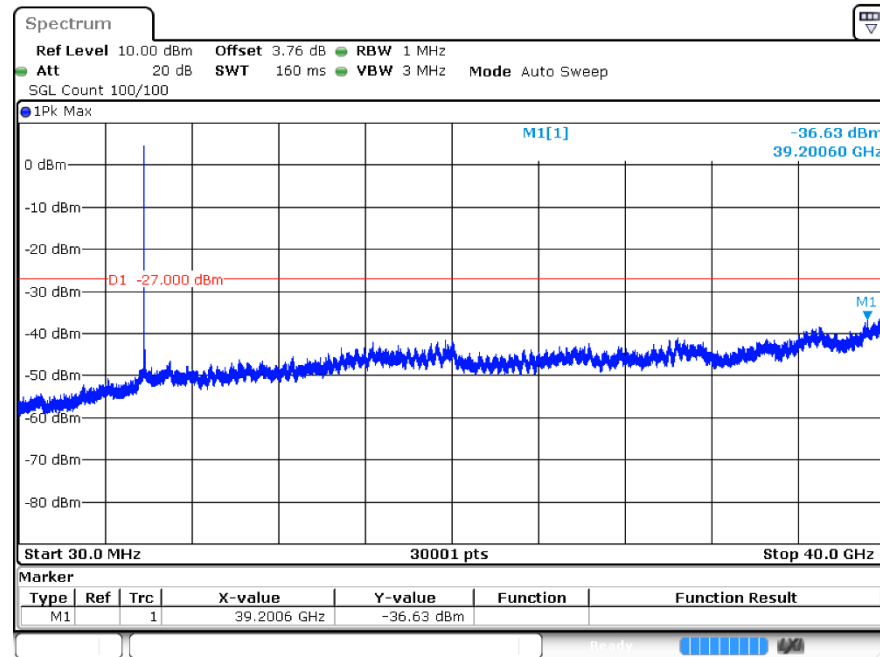
### 7.1 Test Result

| Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|------|-----------------|---------|-----------------|-------------|---------|
| n20  | 5745            | Ant1    | -36.71          | -27         | Pass    |
| n20  | 5805            | Ant1    | -36.63          | -27         | Pass    |
| n20  | 5825            | Ant1    | -36.09          | -27         | Pass    |
| n40  | 5755            | Ant1    | -36.69          | -27         | Pass    |
| n40  | 5795            | Ant1    | -36.77          | -27         | Pass    |
| ac20 | 5745            | Ant1    | -35.4           | -27         | Pass    |
| ac20 | 5805            | Ant1    | -36.52          | -27         | Pass    |
| ac20 | 5825            | Ant1    | -35.57          | -27         | Pass    |
| ac40 | 5755            | Ant1    | -36.65          | -27         | Pass    |
| ac40 | 5795            | Ant1    | -36.74          | -27         | Pass    |
| ax20 | 5745            | Ant1    | -36.95          | -27         | Pass    |
| ax20 | 5805            | Ant1    | -37.22          | -27         | Pass    |
| ax20 | 5825            | Ant1    | -36.5           | -27         | Pass    |
| ax40 | 5755            | Ant1    | -36.64          | -27         | Pass    |
| ax40 | 5795            | Ant1    | -35.1           | -27         | Pass    |
| ax80 | 5775            | Ant1    | -34.72          | -27         | Pass    |
| n20  | 5745            | Ant2    | -36.11          | -27         | Pass    |
| n20  | 5805            | Ant2    | -37.09          | -27         | Pass    |
| n20  | 5825            | Ant2    | -36.26          | -27         | Pass    |
| n40  | 5755            | Ant2    | -36.08          | -27         | Pass    |
| n40  | 5795            | Ant2    | -36.47          | -27         | Pass    |
| ac20 | 5745            | Ant2    | -36.06          | -27         | Pass    |
| ac20 | 5805            | Ant2    | -36.21          | -27         | Pass    |
| ac20 | 5825            | Ant2    | -35.86          | -27         | Pass    |
| ac40 | 5755            | Ant2    | -35.92          | -27         | Pass    |
| ac40 | 5795            | Ant2    | -36             | -27         | Pass    |
| ax20 | 5745            | Ant2    | -36             | -27         | Pass    |
| ax20 | 5805            | Ant2    | -36.15          | -27         | Pass    |
| ax20 | 5825            | Ant2    | -36.82          | -27         | Pass    |
| ax40 | 5755            | Ant2    | -36.22          | -27         | Pass    |
| ax40 | 5795            | Ant2    | -35.81          | -27         | Pass    |
| ax80 | 5775            | Ant2    | -36.61          | -27         | Pass    |

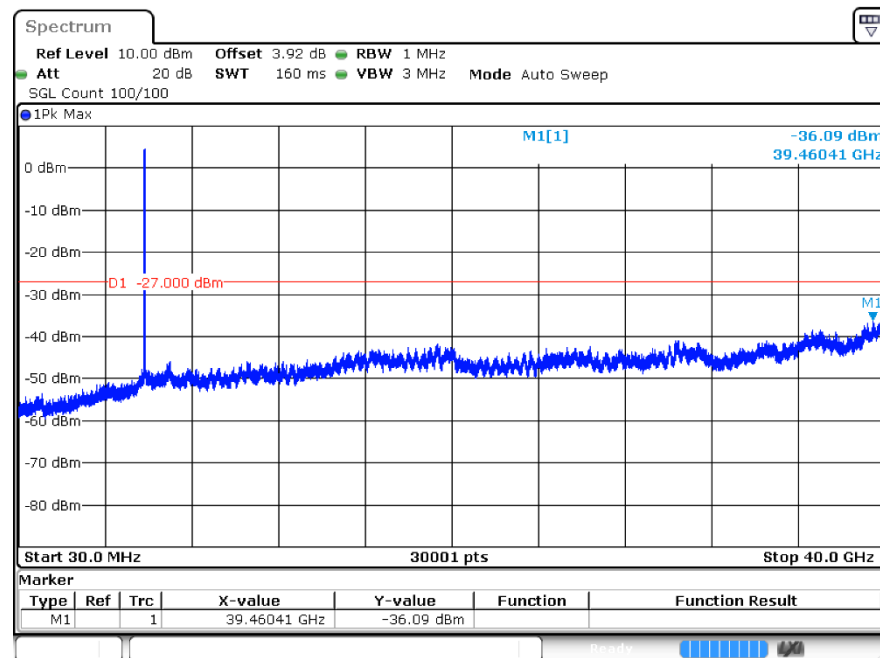
## 7.2 Test Graphs



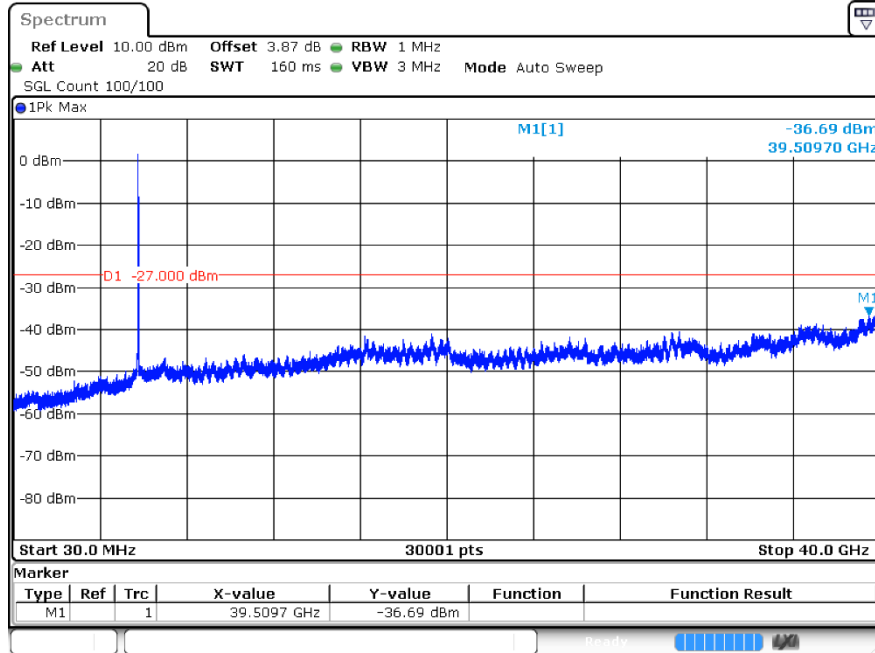
Tx. Spurious n20 5805MHz Ant1 Emission



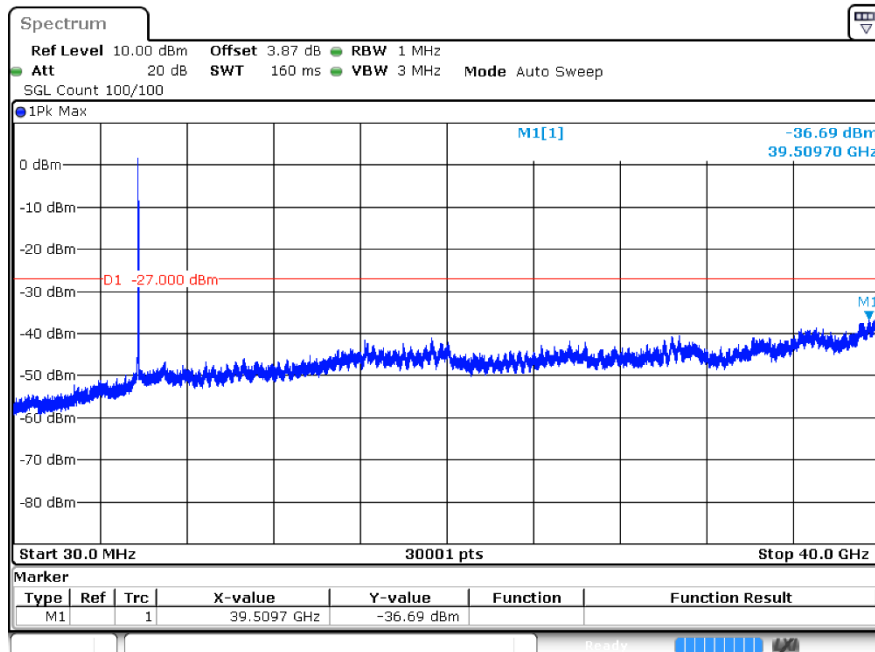
Tx. Spurious n20 5825MHz Ant1 Emission



## Tx. Spurious n40 5755MHz Ant1 Emission

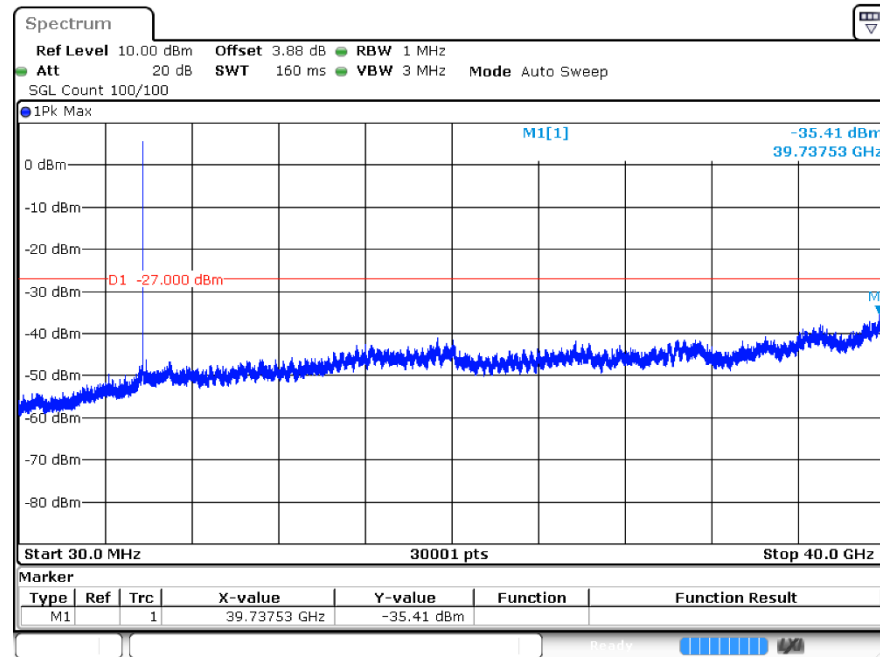


## Tx. Spurious n40 5795MHz Ant1 Emission

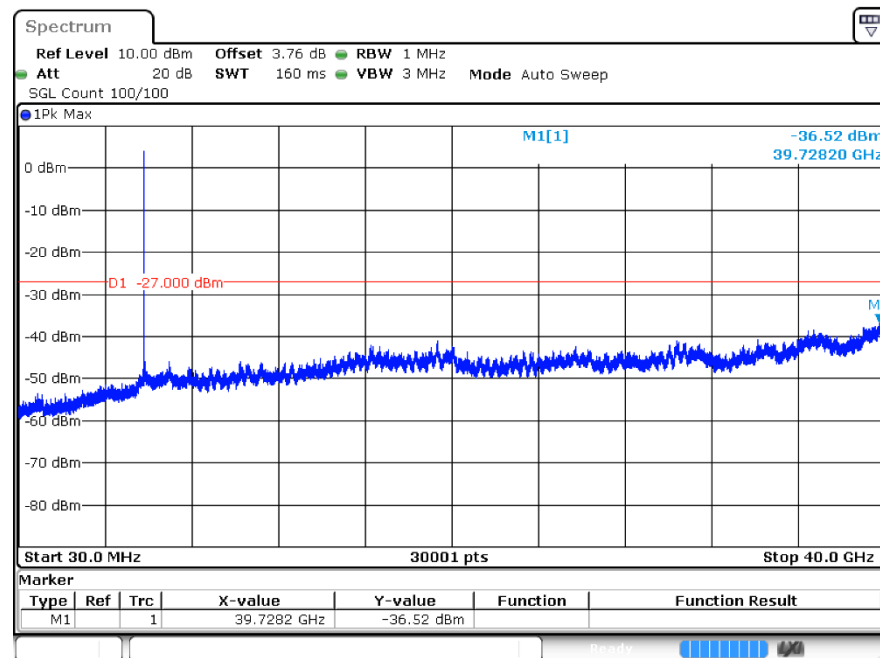




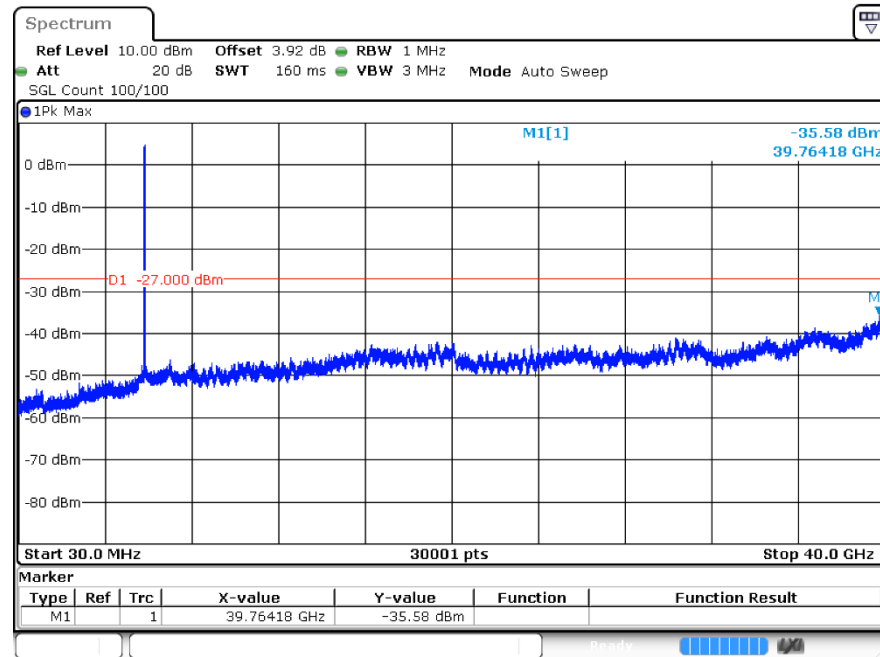
Tx. Spurious ac20 5745MHz Ant1 Emission



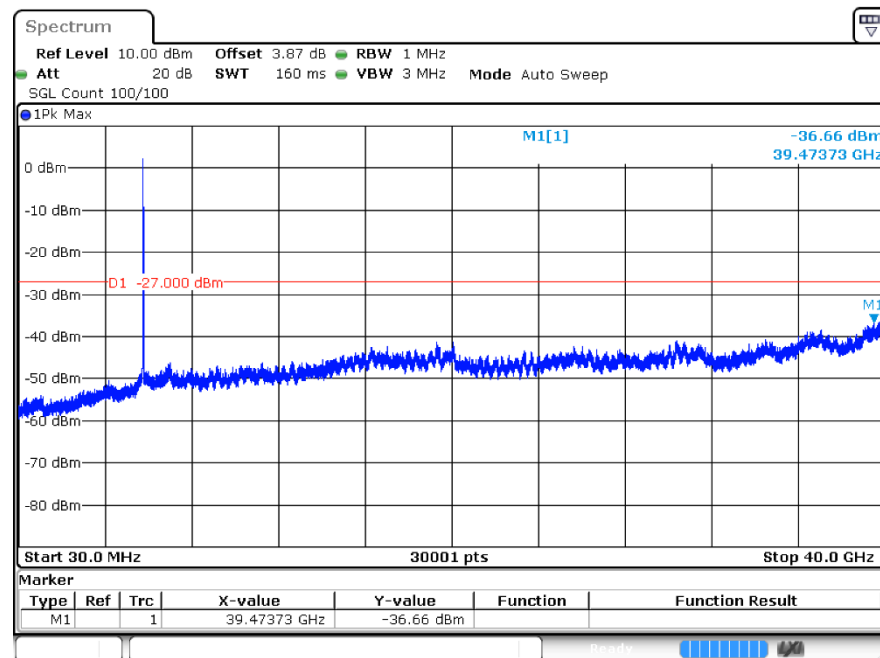
Tx. Spurious ac20 5805MHz Ant1 Emission



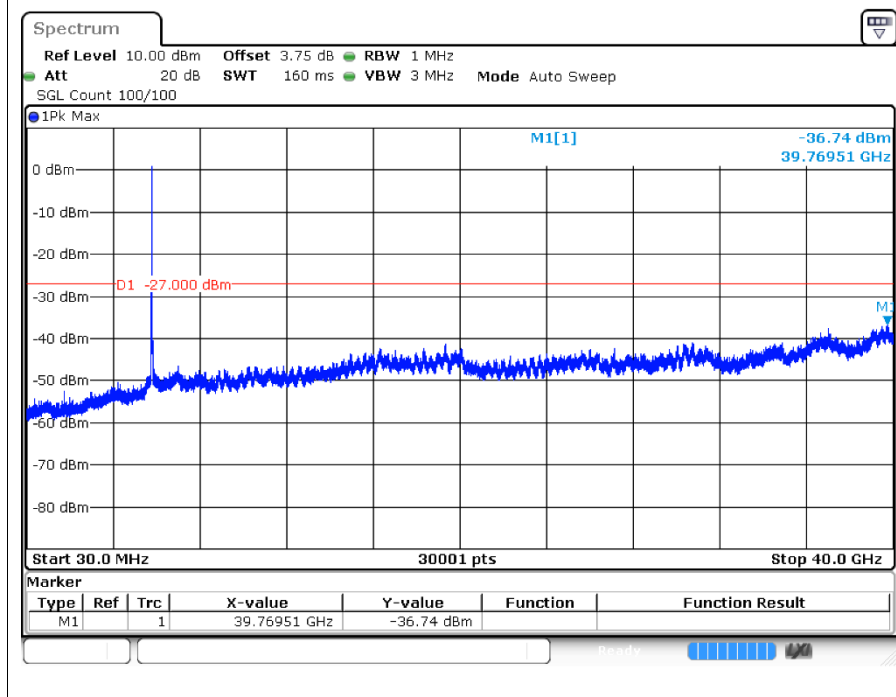
Tx. Spurious ac20 5825MHz Ant1 Emission



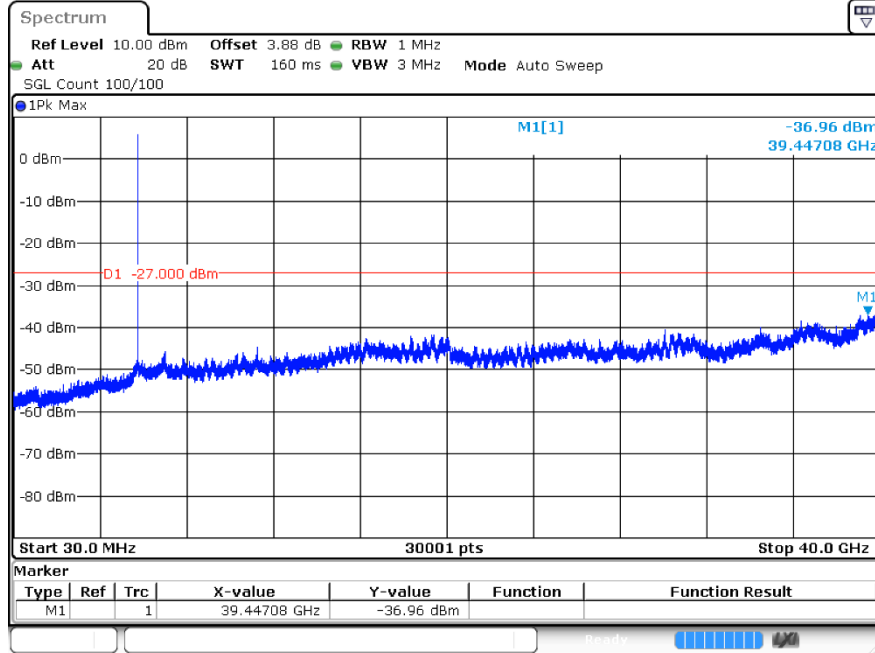
Tx. Spurious ac40 5755MHz Ant1 Emission



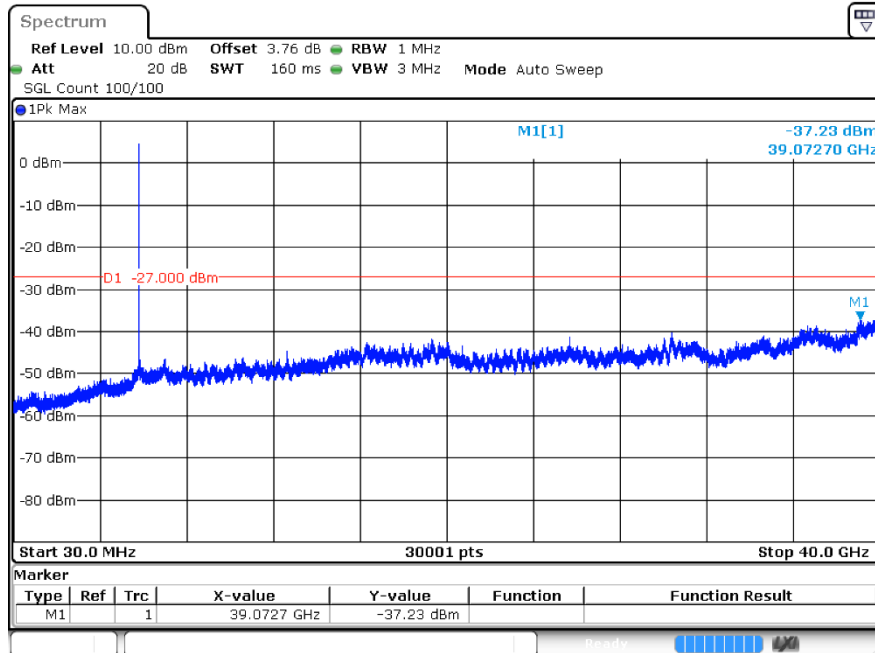
Tx. Spurious ac40 5795MHz Ant1 Emission



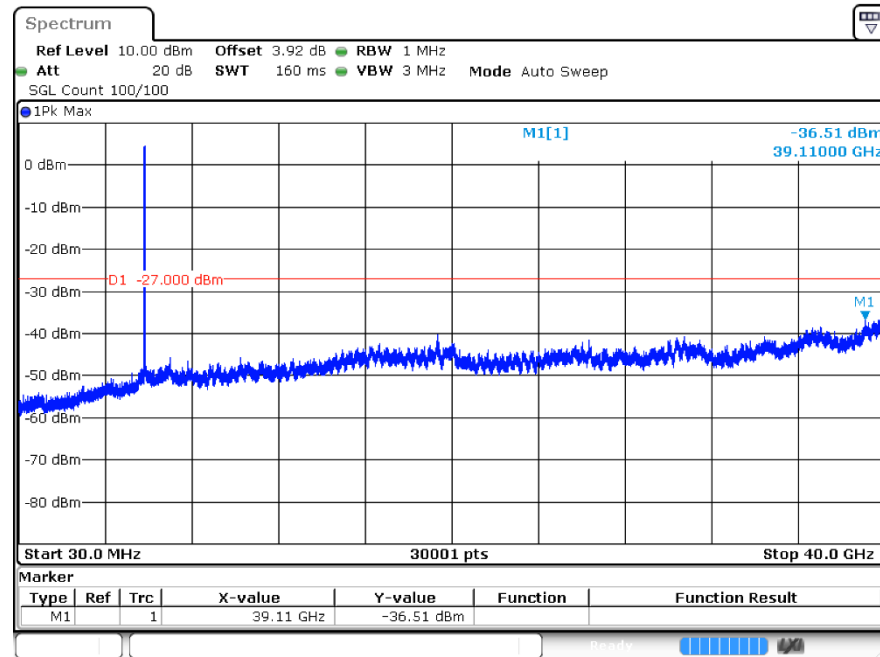
## Tx. Spurious ax20 5745MHz Ant1 Emission



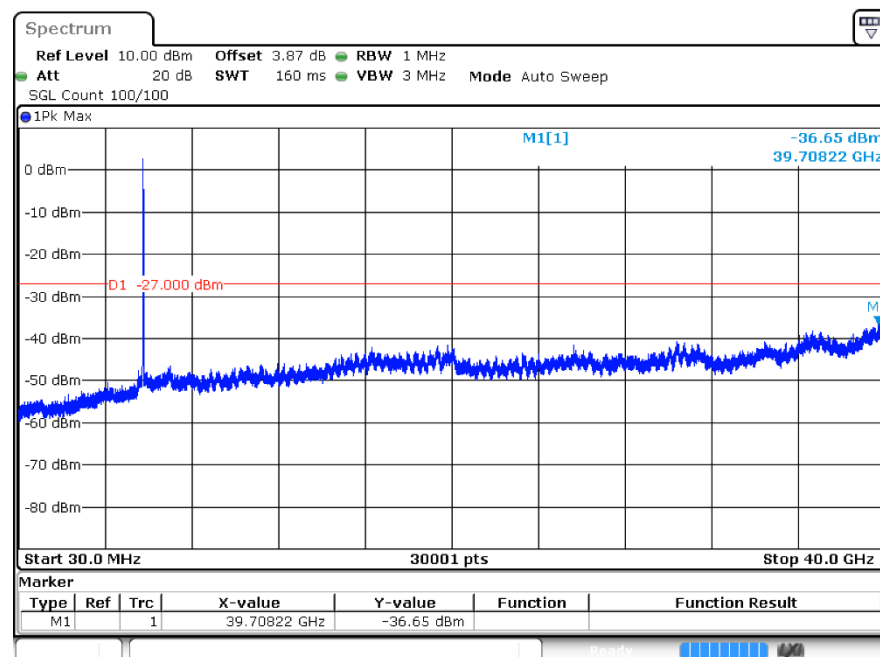
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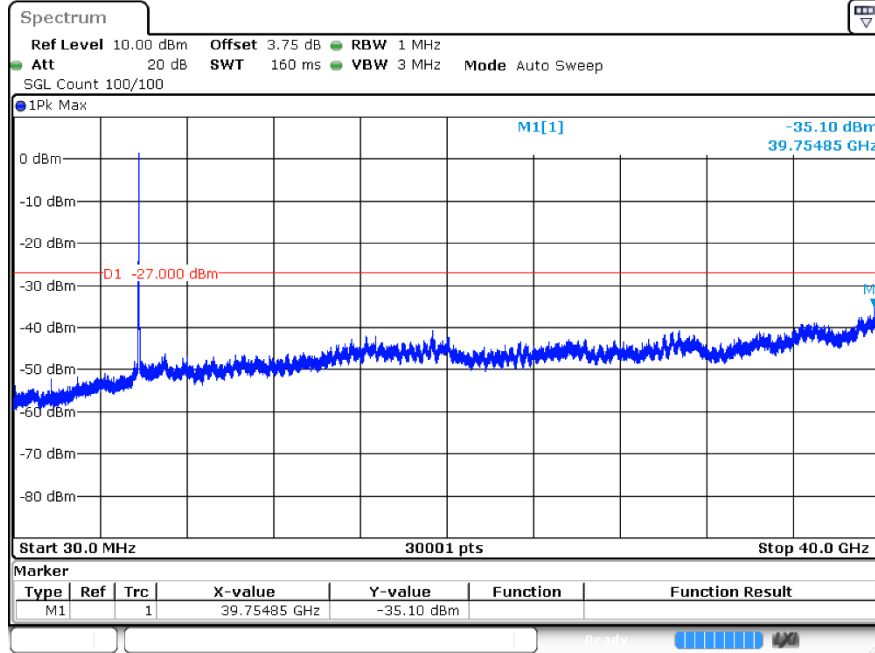
## Tx. Spurious ax20 5825MHz Ant1 Emission



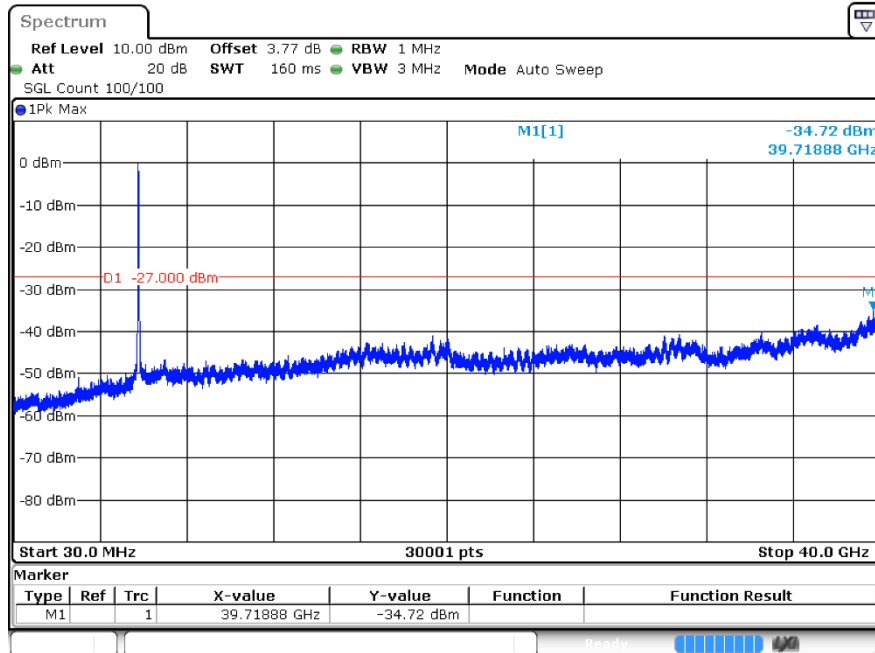
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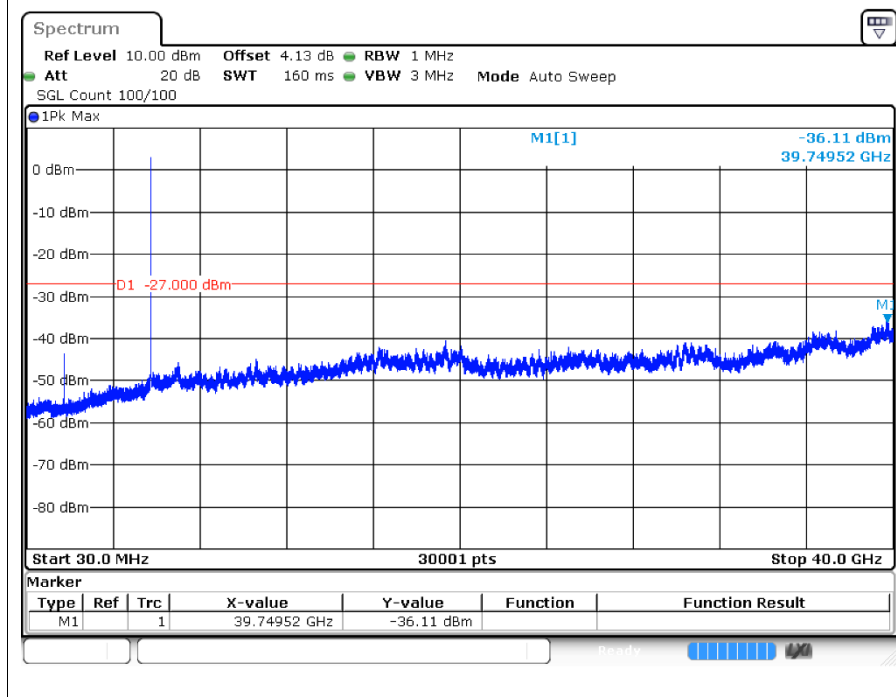
## Tx. Spurious ax40 5795MHz Ant1 Emission



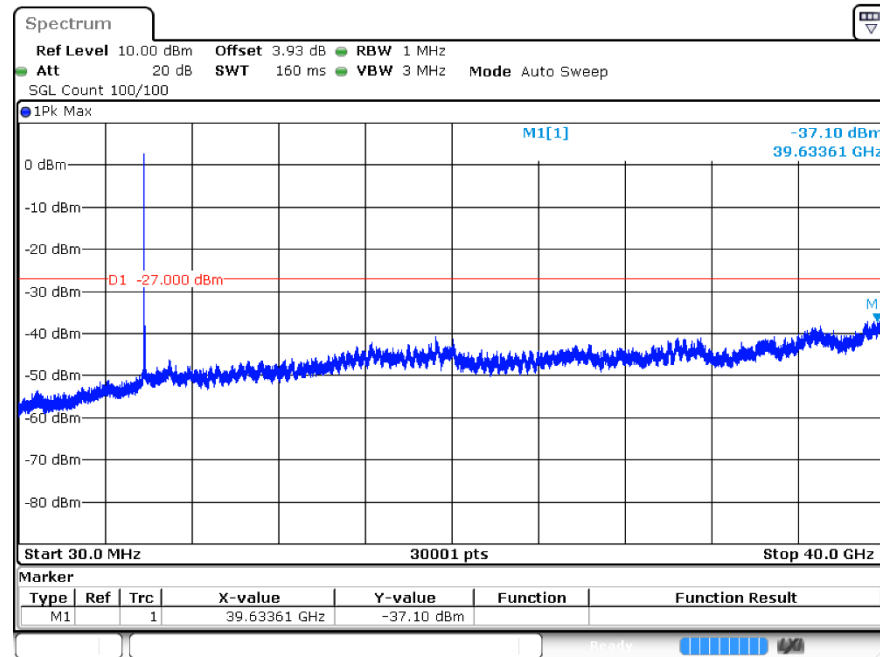
## Tx. Spurious ax80 5775MHz Ant1 Emission



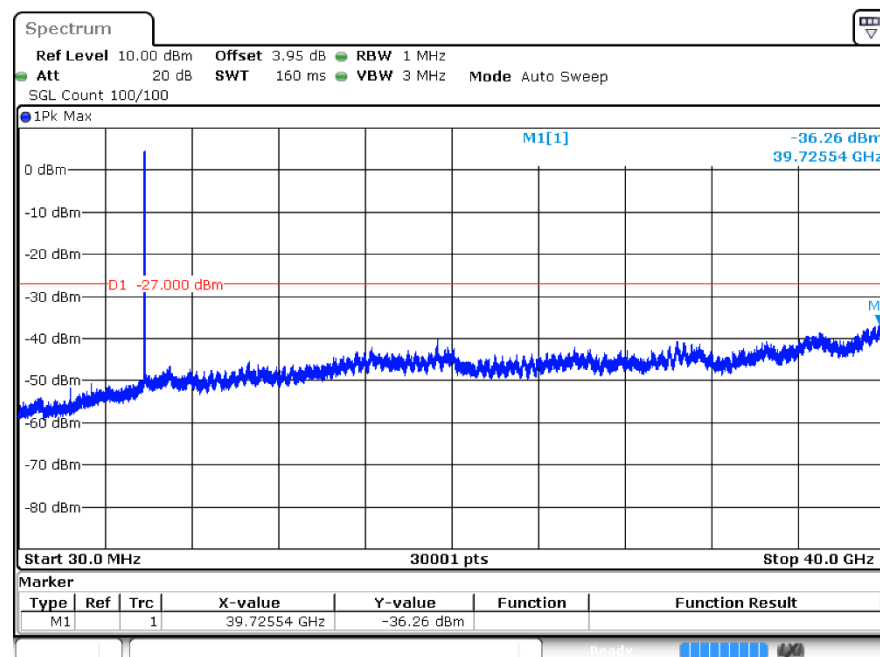
Tx. Spurious n20 5745MHz Ant2 Emission



## Tx. Spurious n20 5805MHz Ant2 Emission

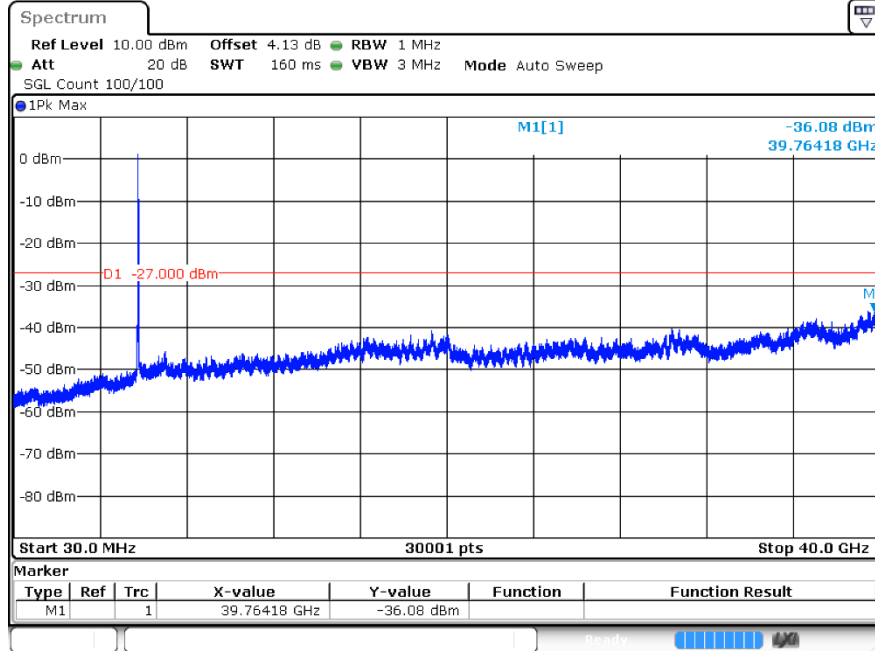


## Tx. Spurious n20 5825MHz Ant2 Emission

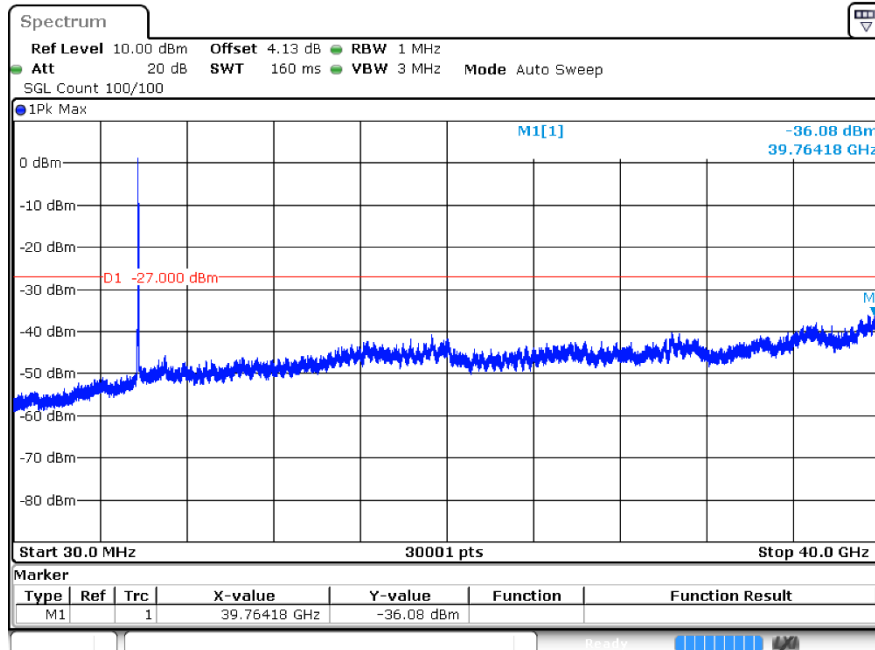




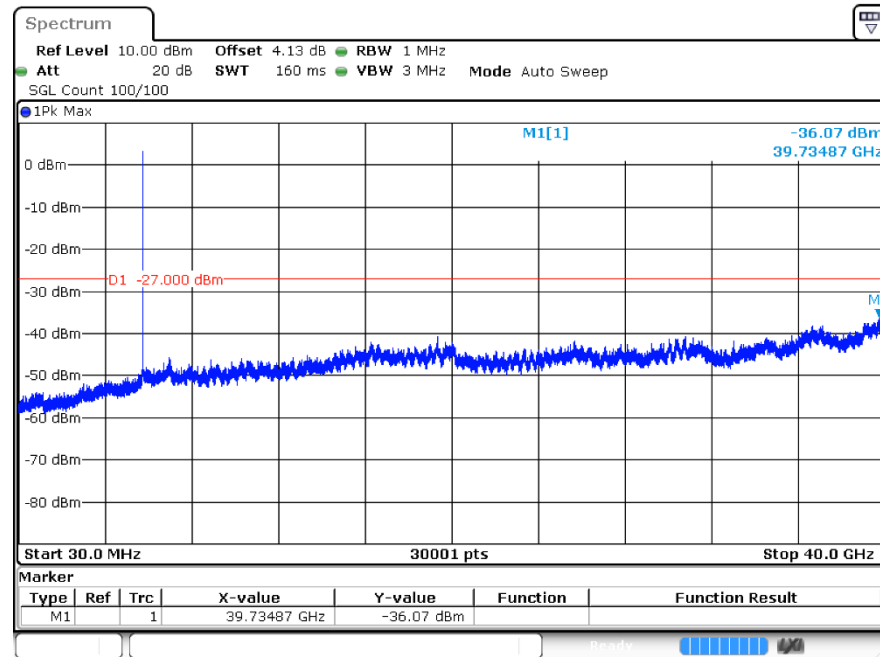
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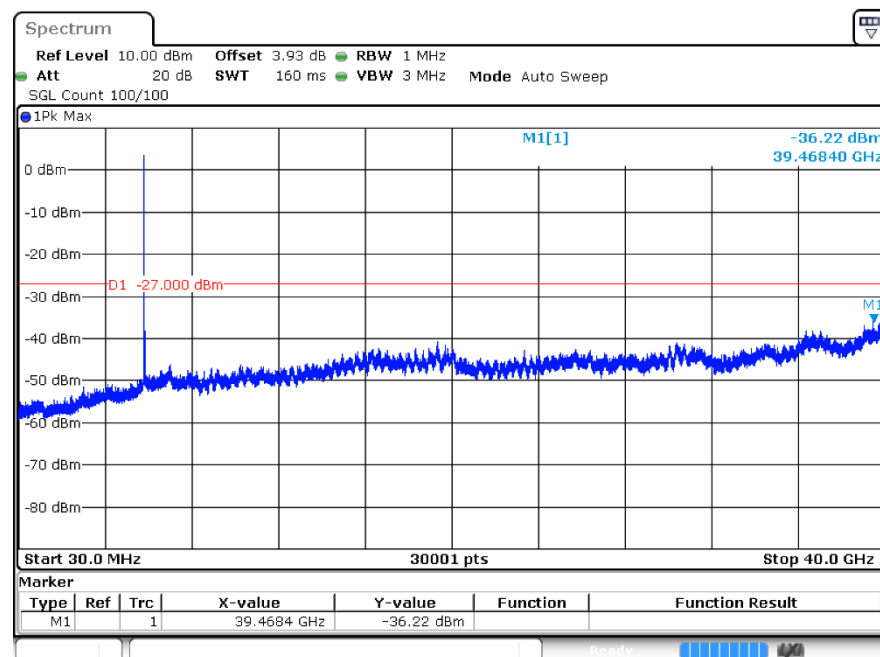
## Tx. Spurious n40 5795MHz Ant2 Emission



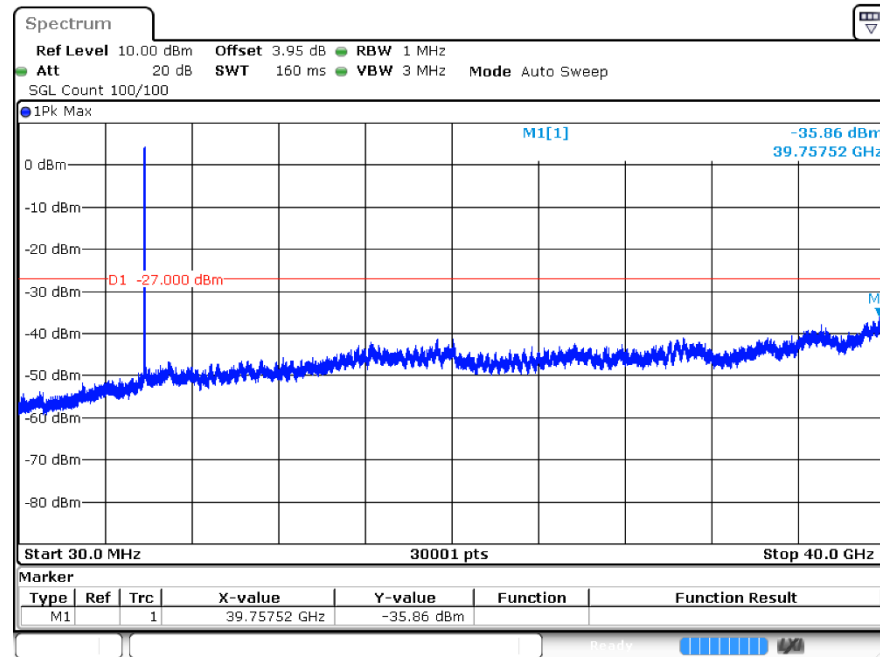
## Tx. Spurious ac20 5745MHz Ant2 Emission



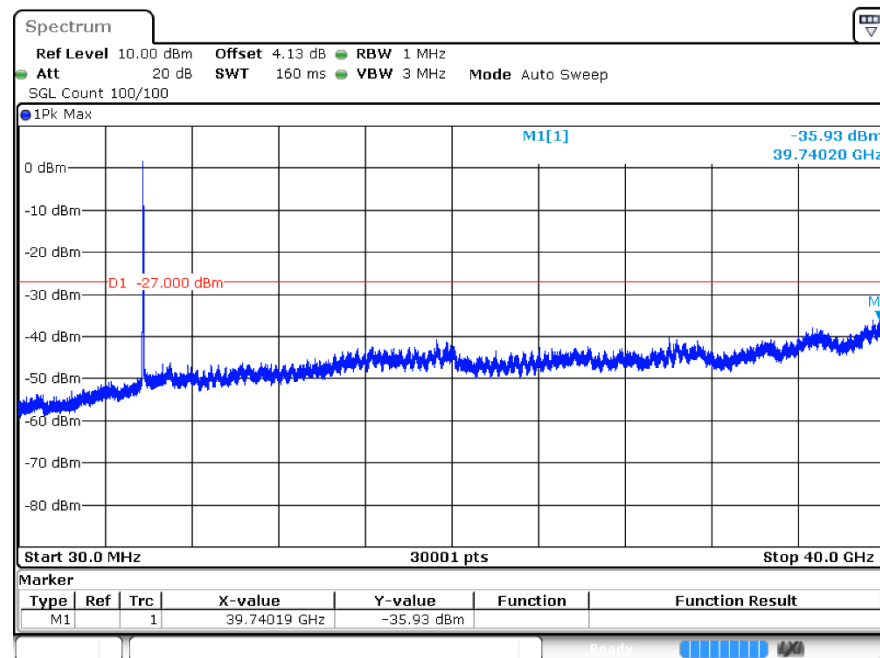
## Tx. Spurious ac20 5805MHz Ant2 Emission



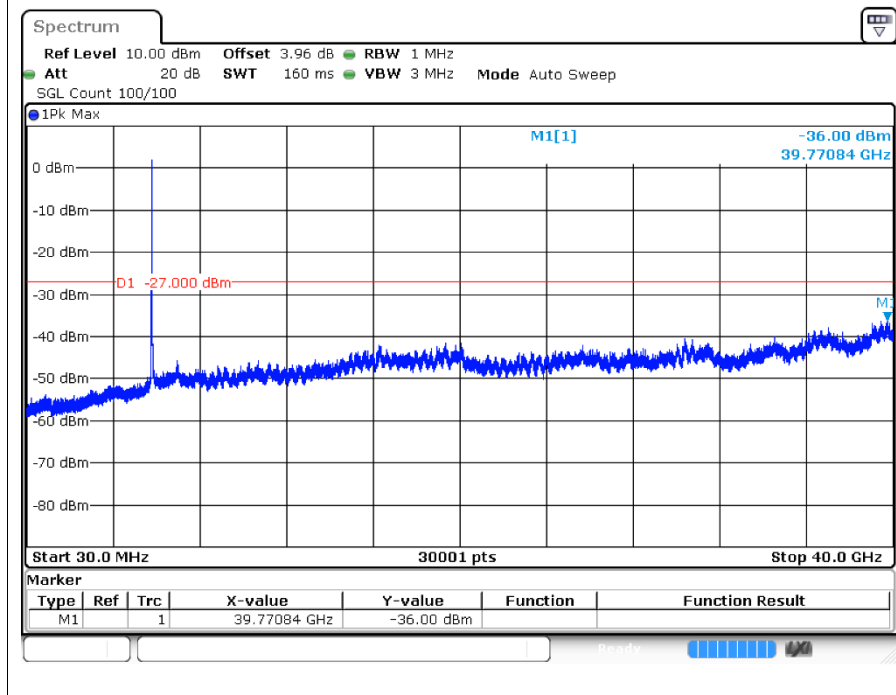
Tx. Spurious ac20 5825MHz Ant2 Emission



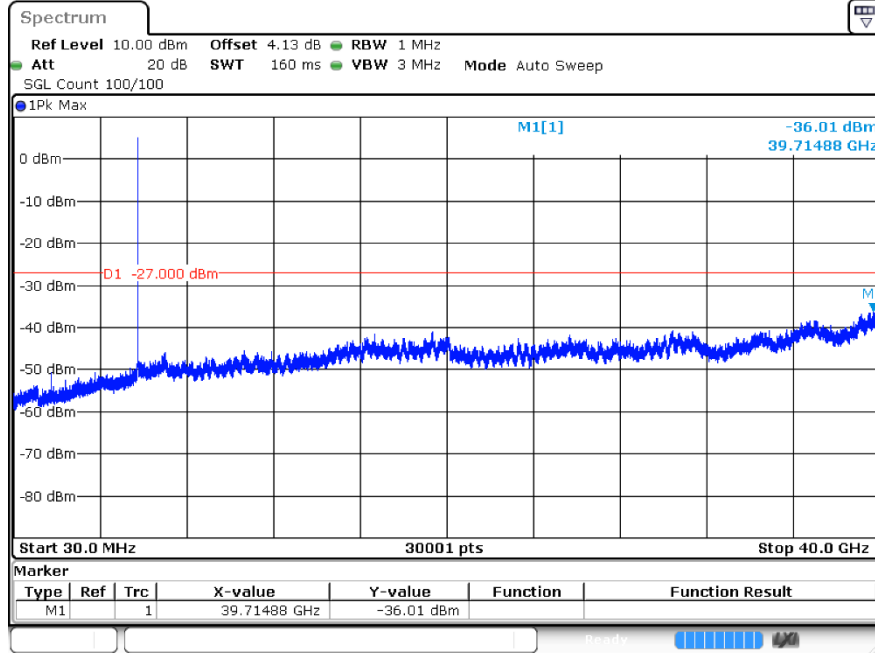
Tx. Spurious ac40 5755MHz Ant2 Emission



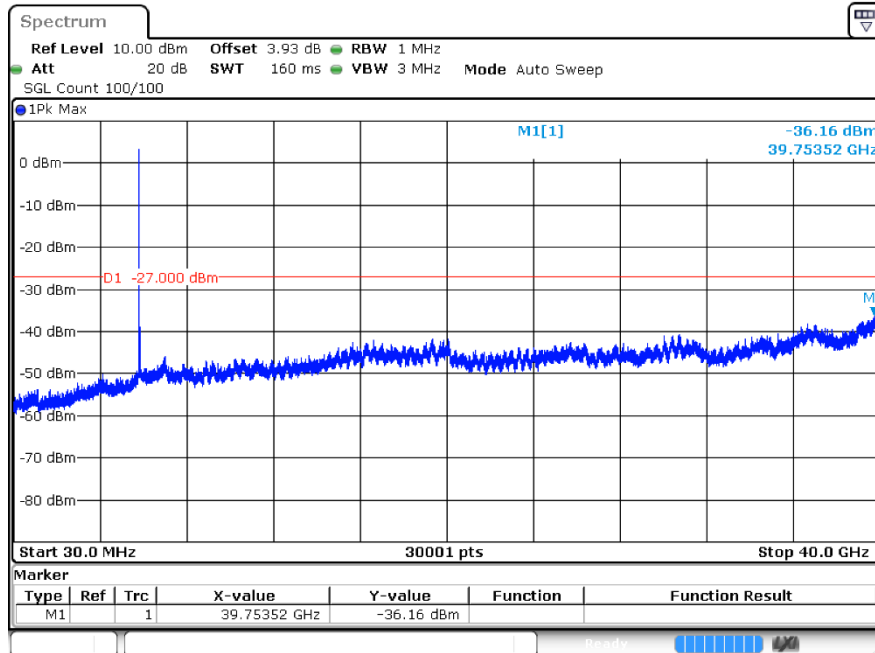
Tx. Spurious ac40 5795MHz Ant2 Emission



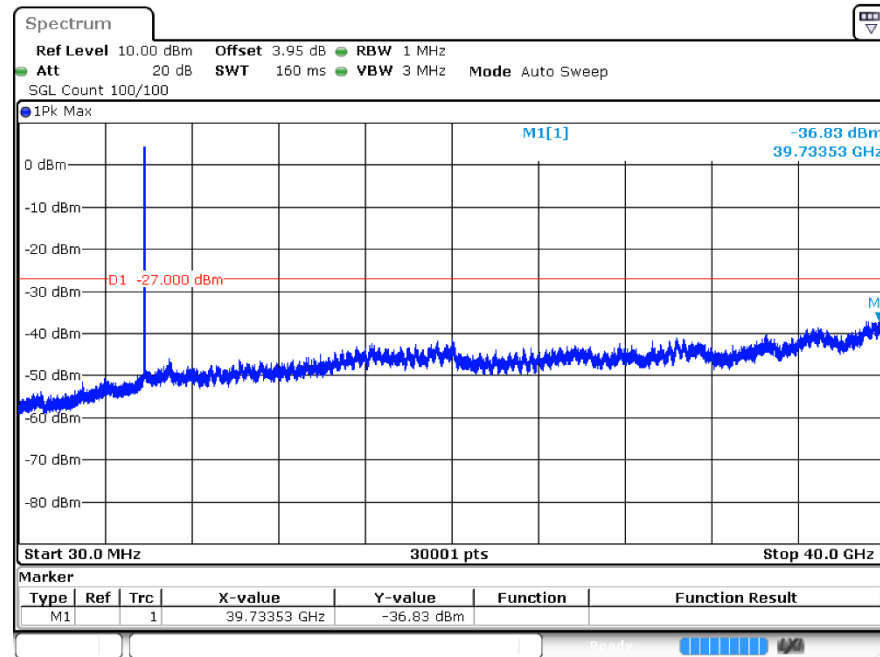
## Tx. Spurious ax20 5745MHz Ant2 Emission



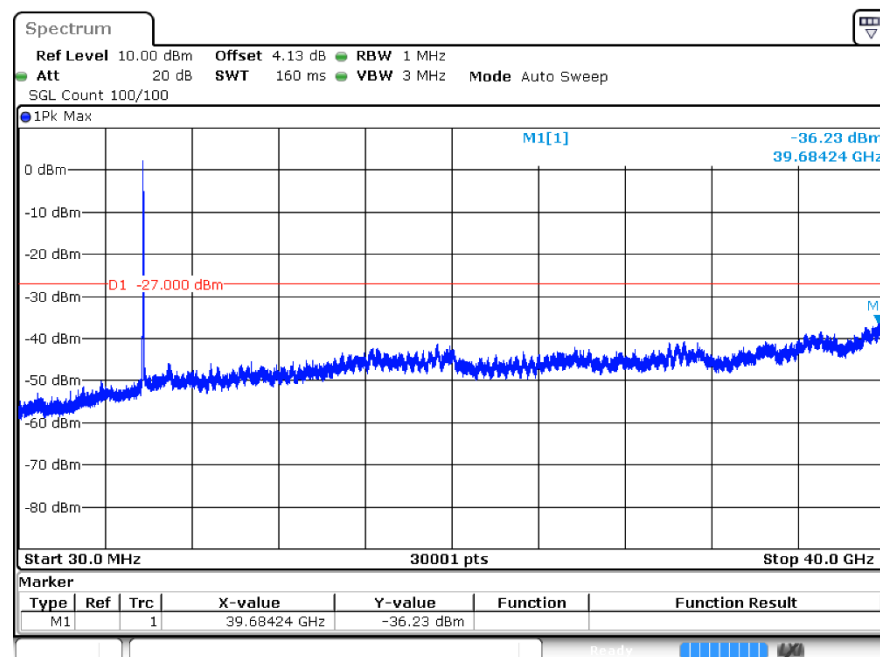
## Tx. Spurious ax20 5805MHz Ant2 Emission



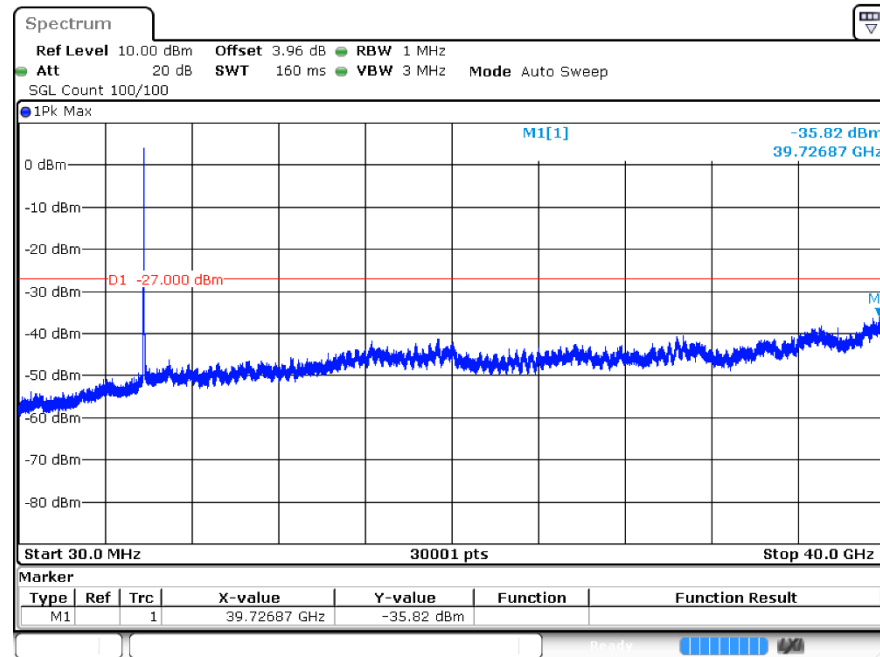
Tx. Spurious ax20 5825MHz Ant2 Emission



Tx. Spurious ax40 5755MHz Ant2 Emission



## Tx. Spurious ax40 5795MHz Ant2 Emission



## Tx. Spurious ax80 5775MHz Ant2 Emission

