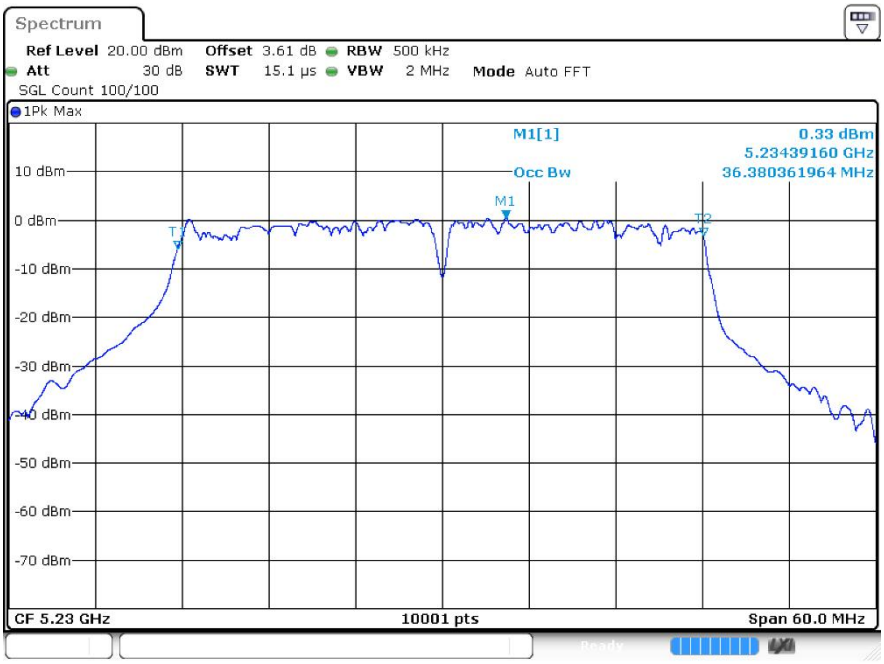
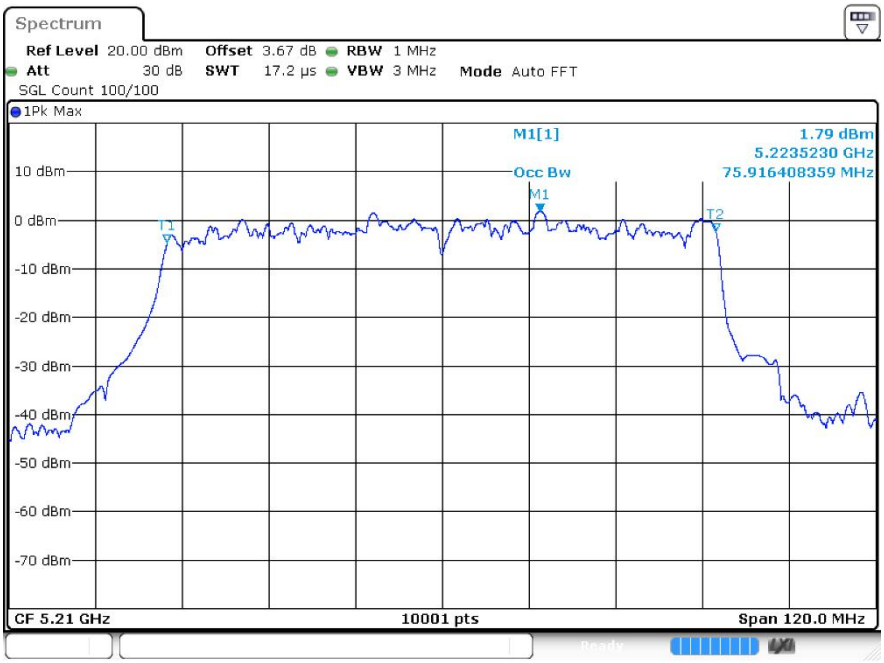
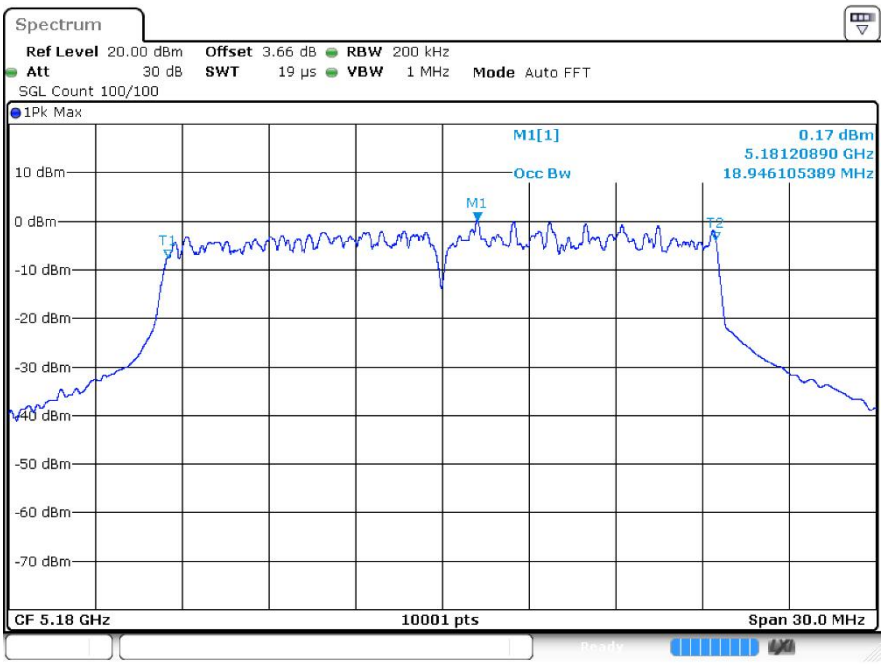
OBWac40 5230MHz Ant1



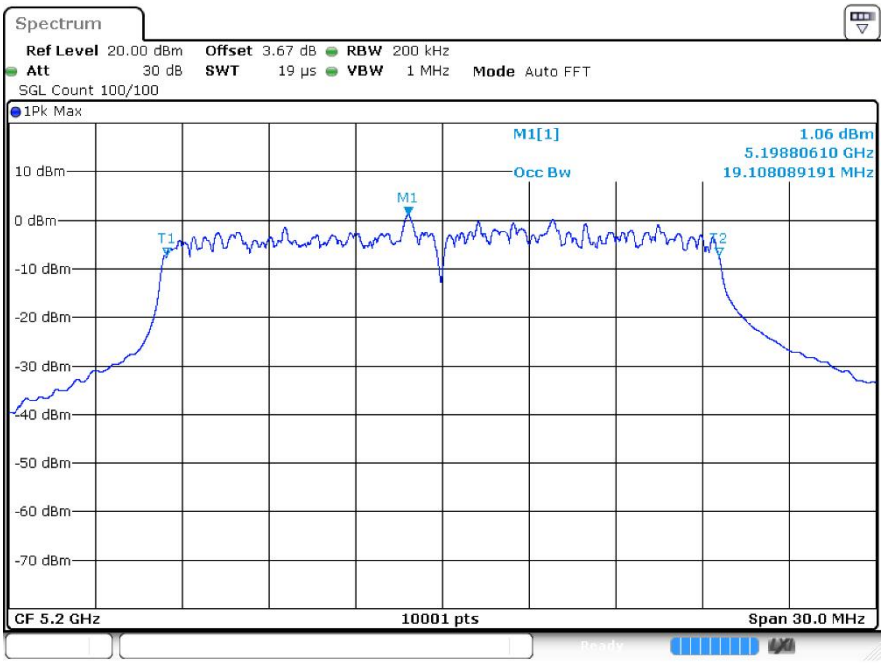

OBWac80 5210MHz Ant1



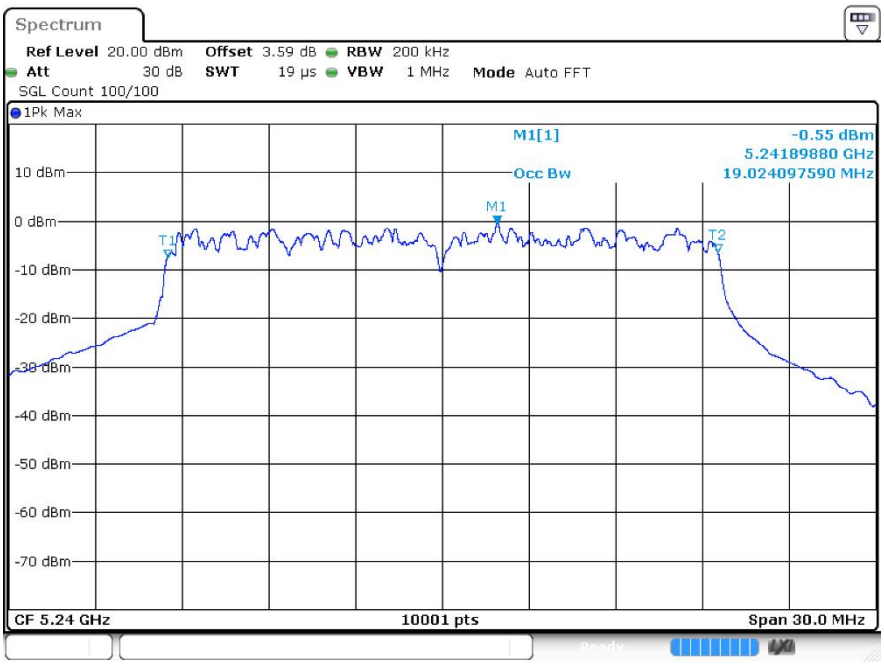
OBW ax20 5180MHz Ant1



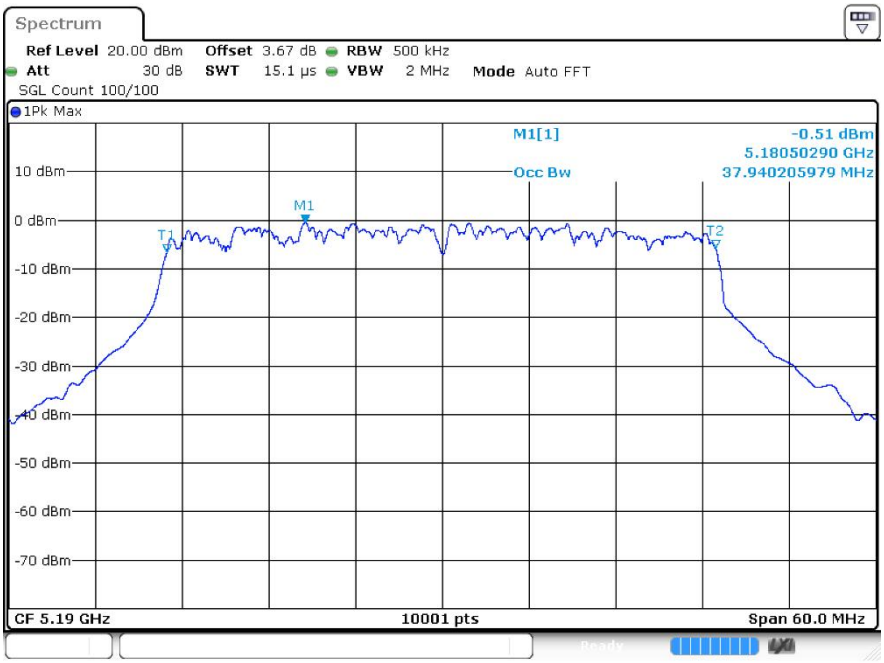

OBW ax20 5200MHz Ant1



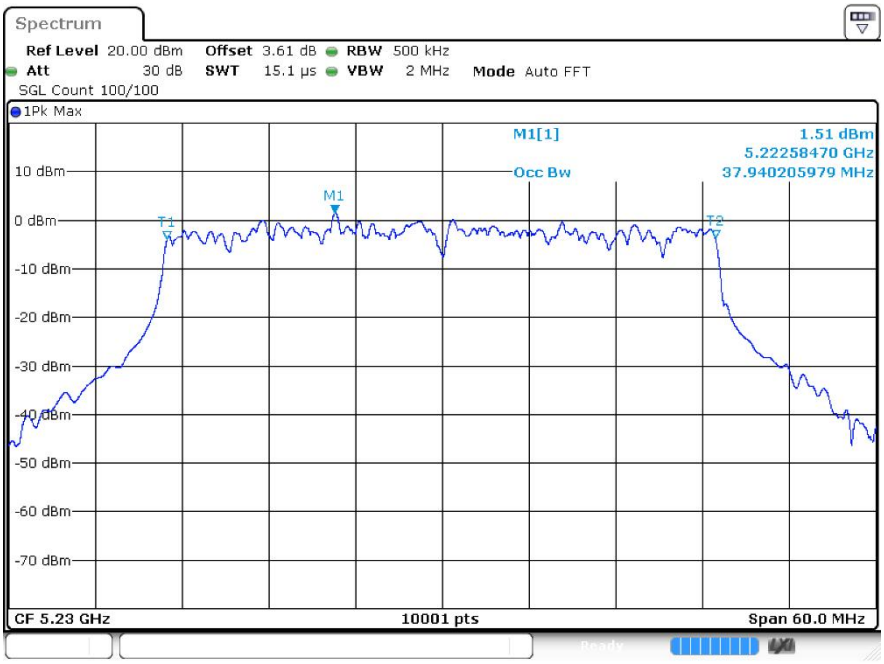
OBW ax20 5240MHz Ant1



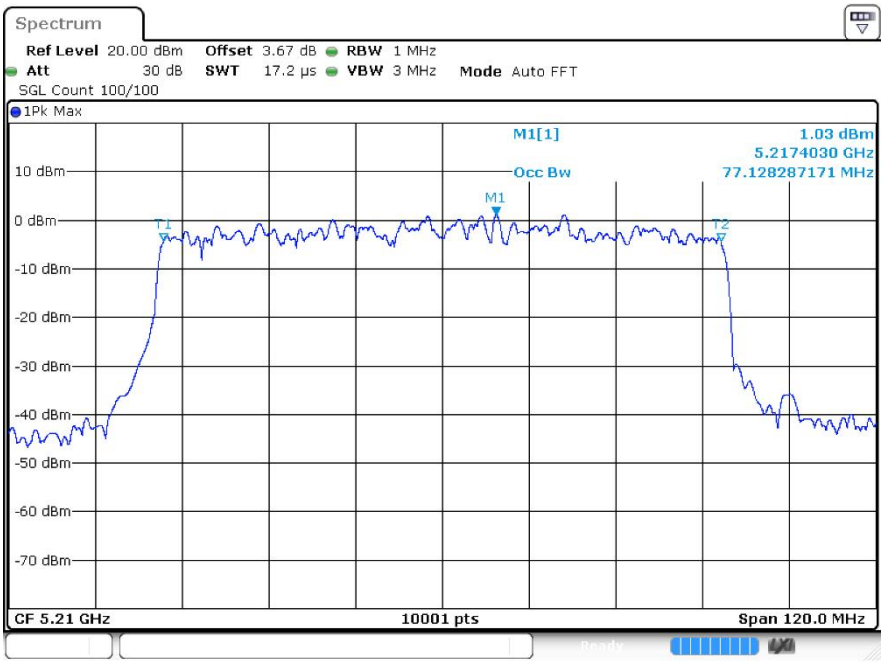

OBWax40 5190MHz Ant1



OBWax40 5230MHz Ant1




OBWax80 5210MHz Ant1



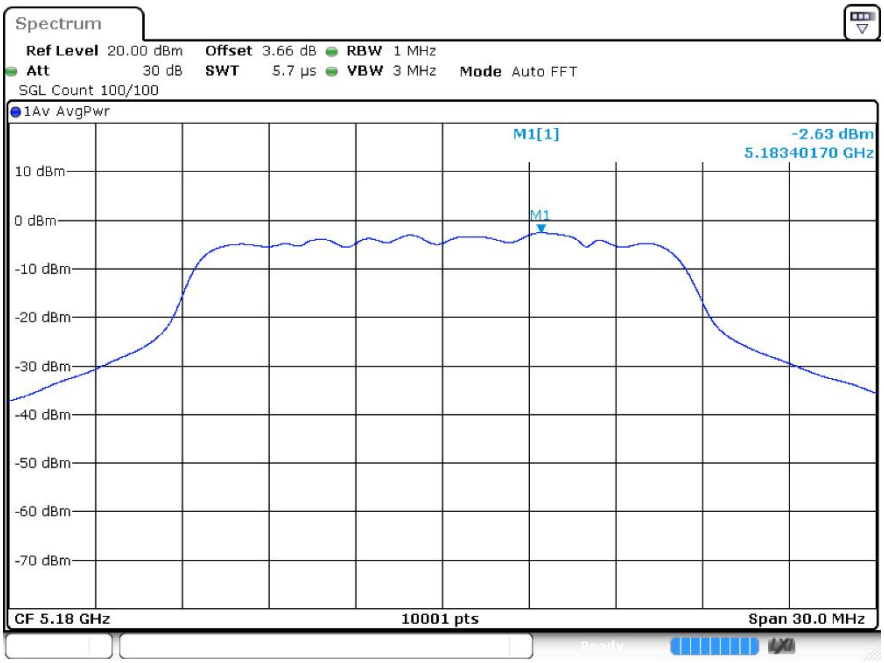
# 5 Maximum Power Spectral Density Level

## 5.1 Test Result

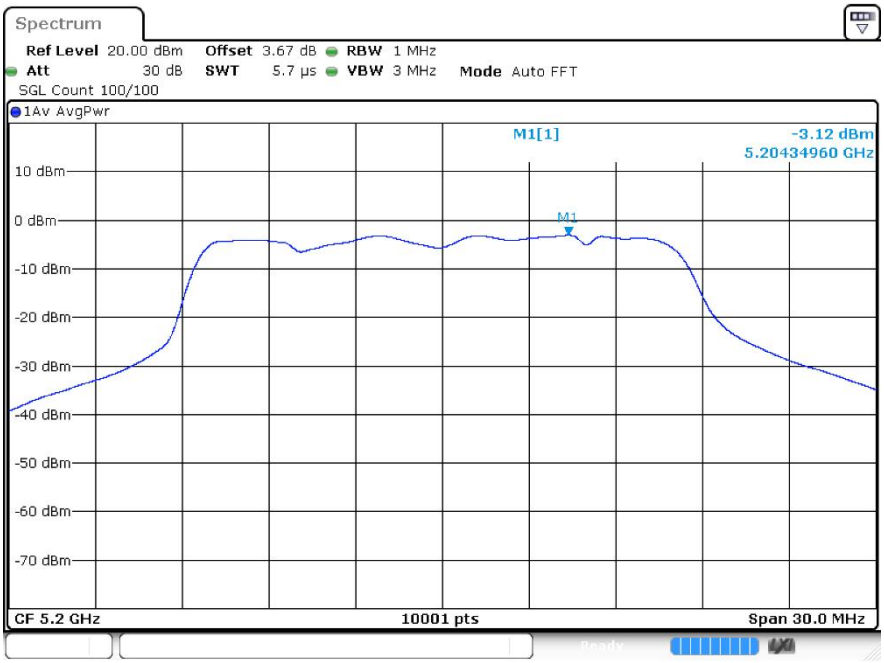
| Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm) | Duty Factor (dB) | Total PSD (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|
| a | 5180 | Ant1 | -2.63 | 4.92 | 2.29 | 11 | Pass |
| a | 5200 | Ant1 | -3.12 | 5.24 | 2.12 | 11 | Pass |
| a | 5240 | Ant1 | -2.63 | 4.93 | 2.3 | 11 | Pass |
| n20 | 5180 | Ant1 | -3.26 | 4.29 | 1.03 | 11 | Pass |
| n20 | 5200 | Ant1 | -2.99 | 4.29 | 1.3 | 11 | Pass |
| n20 | 5240 | Ant1 | -2.88 | 4.06 | 1.18 | 11 | Pass |
| n40 | 5190 | Ant1 | -6.3 | 4.92 | -1.38 | 11 | Pass |
| n40 | 5230 | Ant1 | -6.55 | 5.14 | -1.41 | 11 | Pass |
| ac20 | 5180 | Ant1 | -4.39 | 5.1 | 0.71 | 11 | Pass |
| ac20 | 5200 | Ant1 | -3.8 | 4.67 | 0.87 | 11 | Pass |
| ac20 | 5240 | Ant1 | -4.44 | 4.51 | 0.07 | 11 | Pass |
| ac40 | 5190 | Ant1 | -6.83 | 5.17 | -1.66 | 11 | Pass |
| ac40 | 5230 | Ant1 | -6.56 | 4.63 | -1.93 | 11 | Pass |
| ac80 | 5210 | Ant1 | -9.63 | 5.24 | -4.39 | 11 | Pass |
| ax20 | 5180 | Ant1 | -5.87 | 5.65 | -0.22 | 11 | Pass |
| ax20 | 5200 | Ant1 | -6.19 | 5.46 | -0.73 | 11 | Pass |
| ax20 | 5240 | Ant1 | -5.17 | 5.23 | 0.06 | 11 | Pass |
| ax40 | 5190 | Ant1 | -7.99 | 5.56 | -2.43 | 11 | Pass |
| ax40 | 5230 | Ant1 | -8.94 | 5.24 | -3.7 | 11 | Pass |
| ax80 | 5210 | Ant1 | -10.52 | 5.69 | -4.83 | 11 | Pass |

## 5.2 Test Graphs

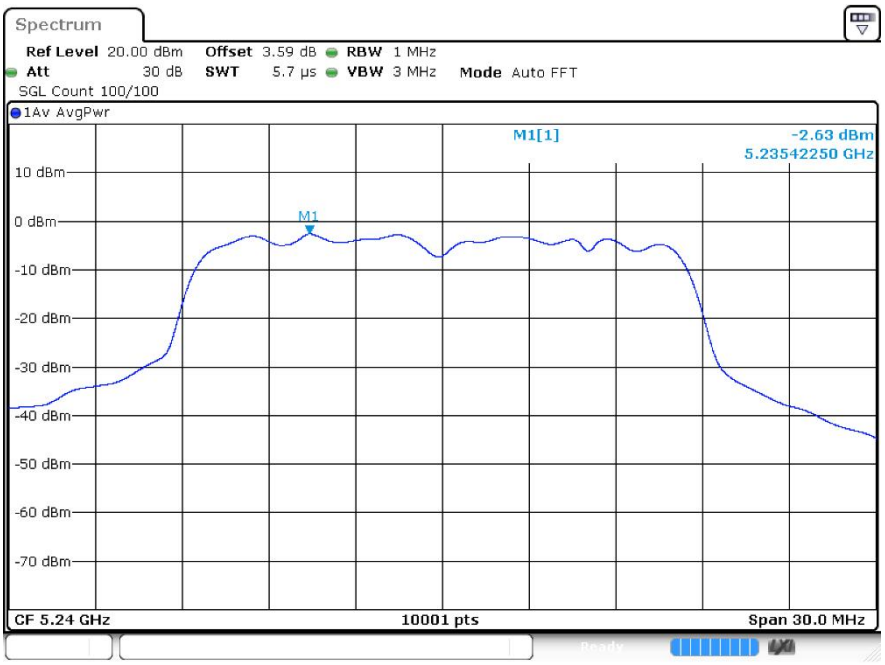
| Test Graphs |
|---|
| PSDa 5180MHz Ant1 |



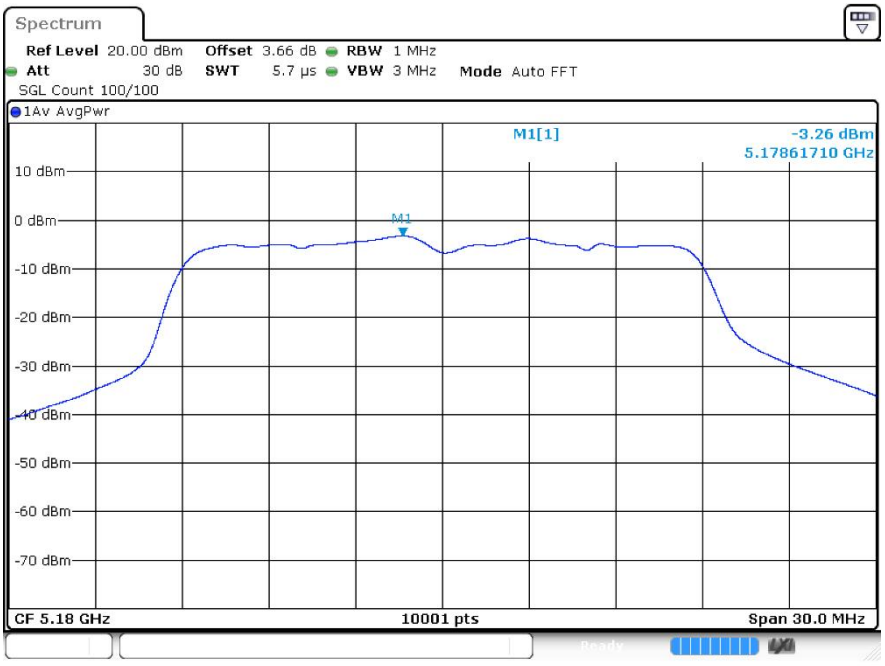

| PSD a 5200MHz Ant1 |
|---|



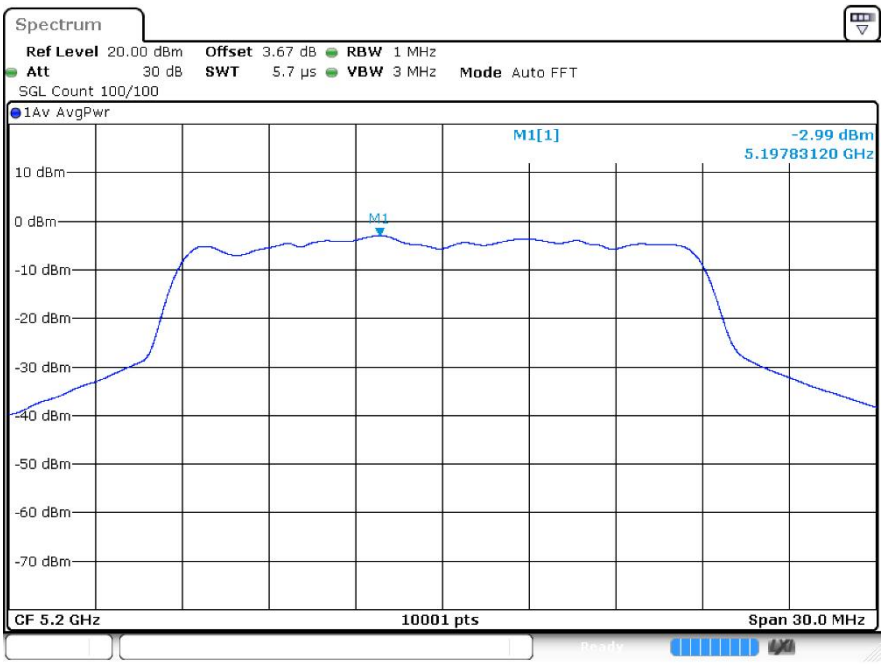
PSDa 5240MHz Ant1



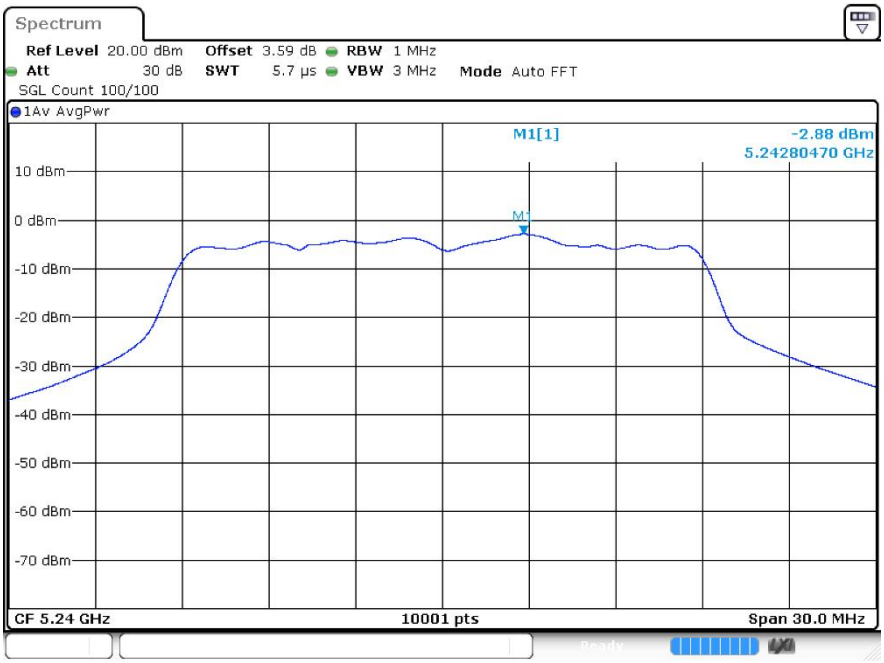

PSD n20 5180MHz Ant1



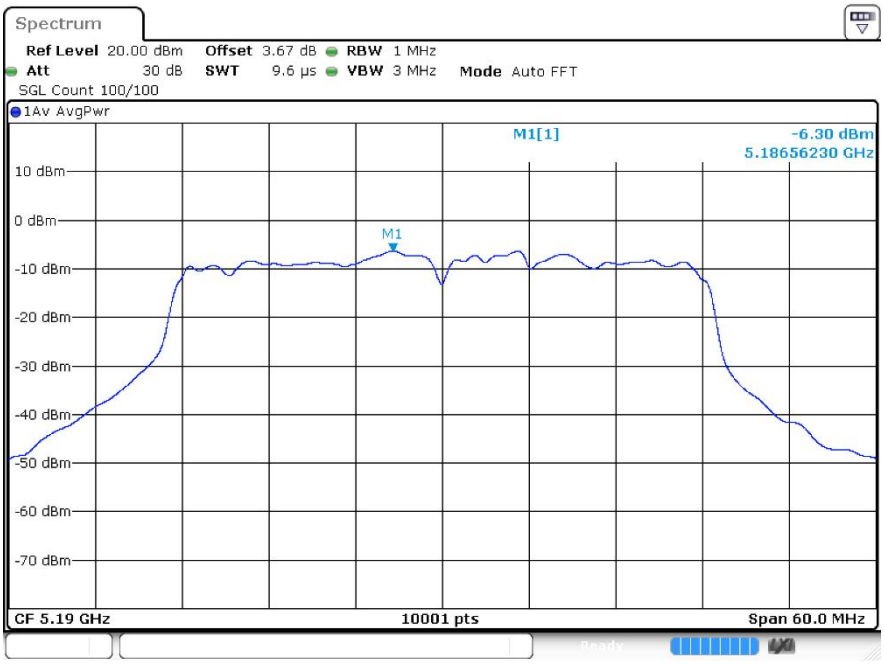
PSD n20 5200MHz Ant1



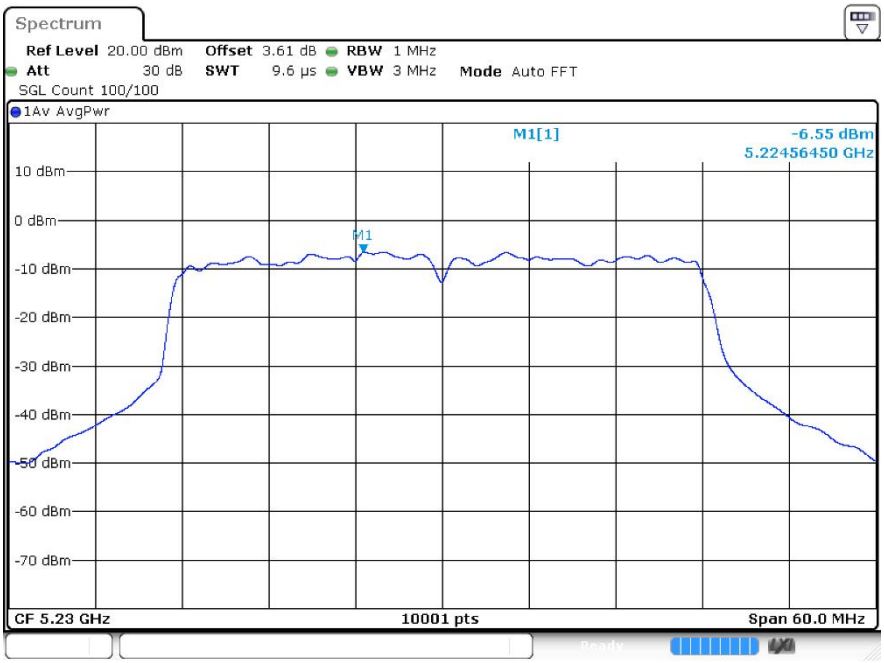

PSD n20 5240MHz Ant1



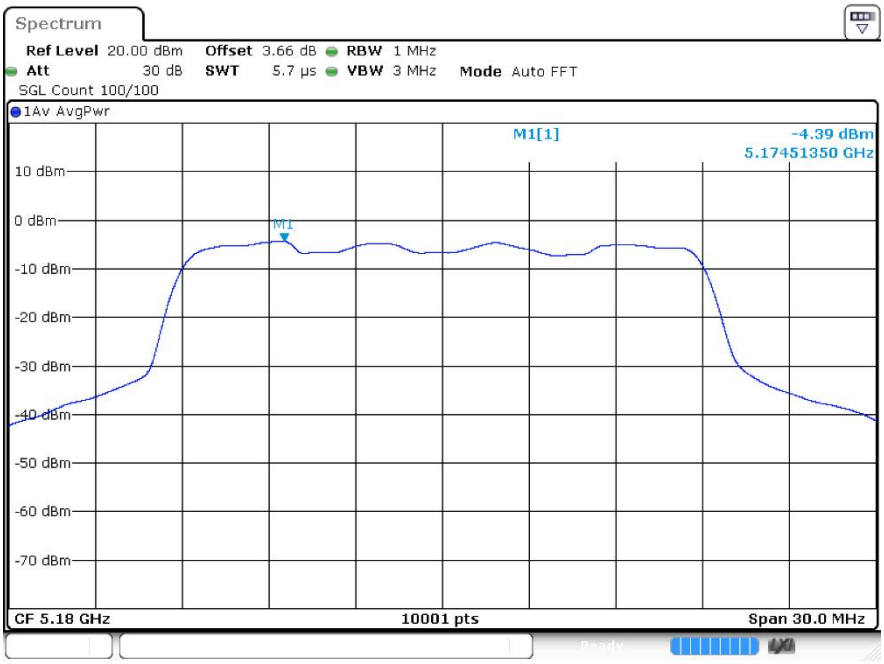
PSDn40 5190MHz Ant1



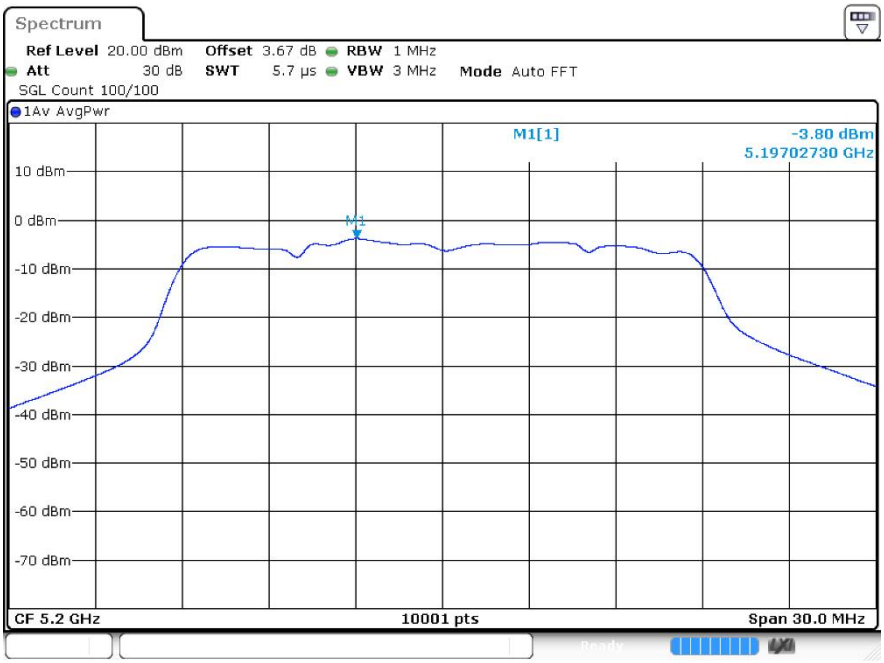

PSDn40 5230MHz Ant1



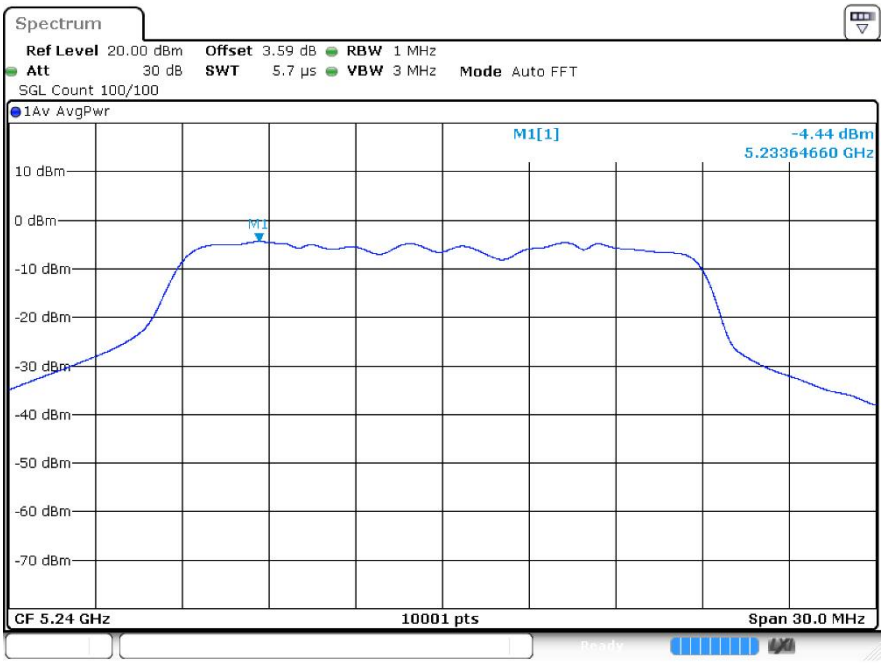
PSD ac20 5180MHz Ant1



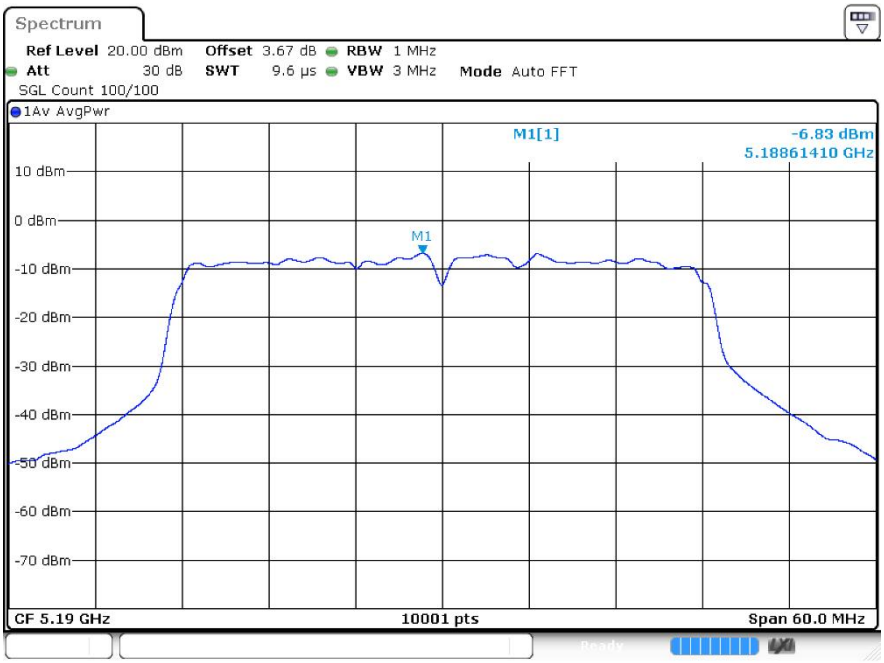

PSD ac20 5200MHz Ant1



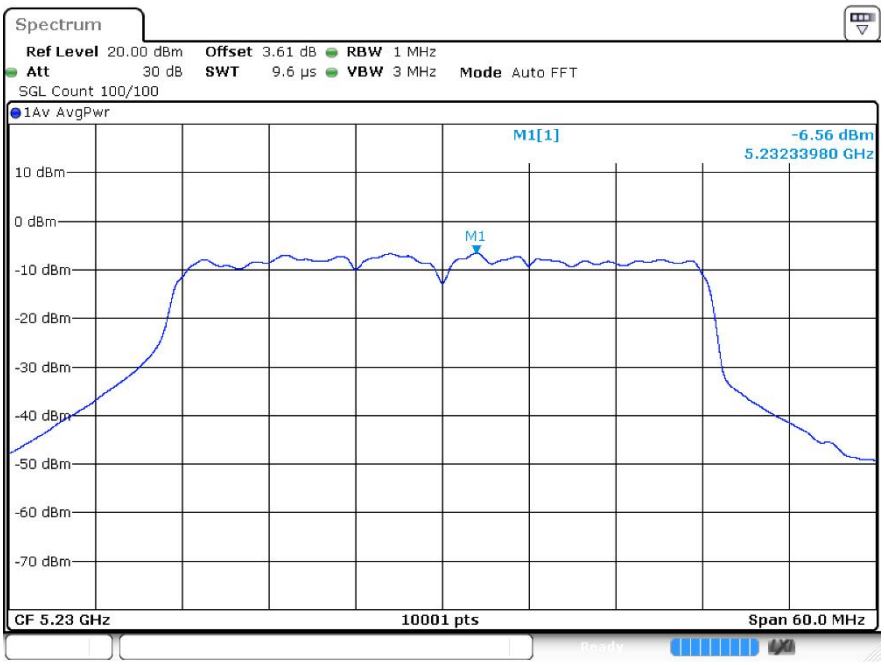
PSD ac20 5240MHz Ant1



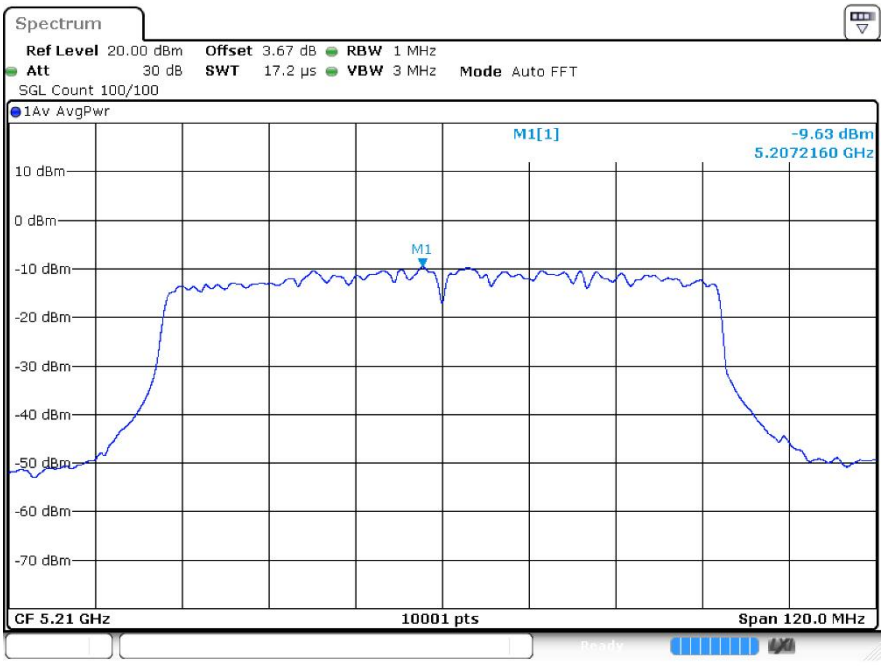

PSDac40 5190MHz Ant1



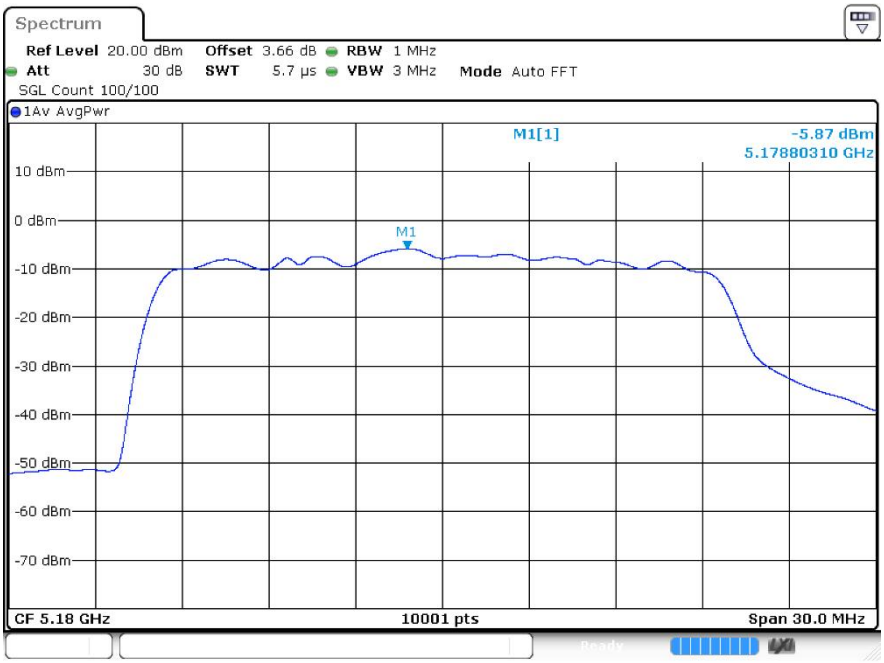
PSDac40 5230MHz Ant1



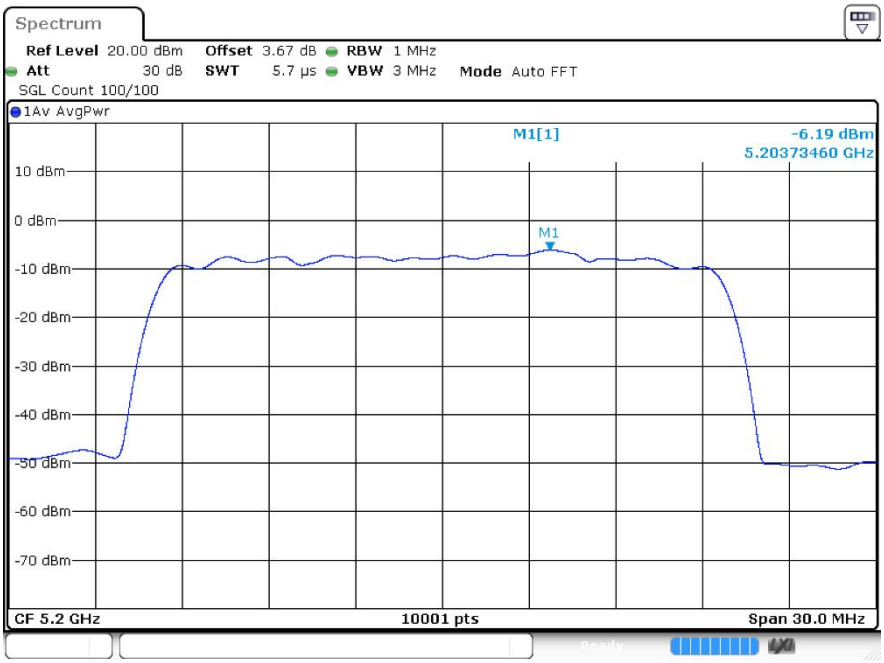

PSDac80 5210MHz Ant1



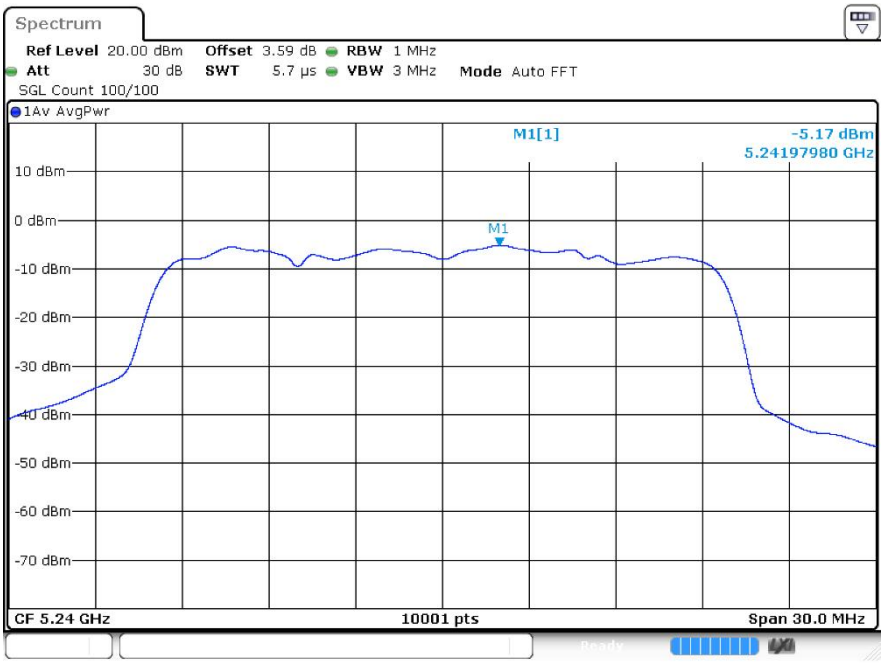
PSD ax20 5180MHz Ant1



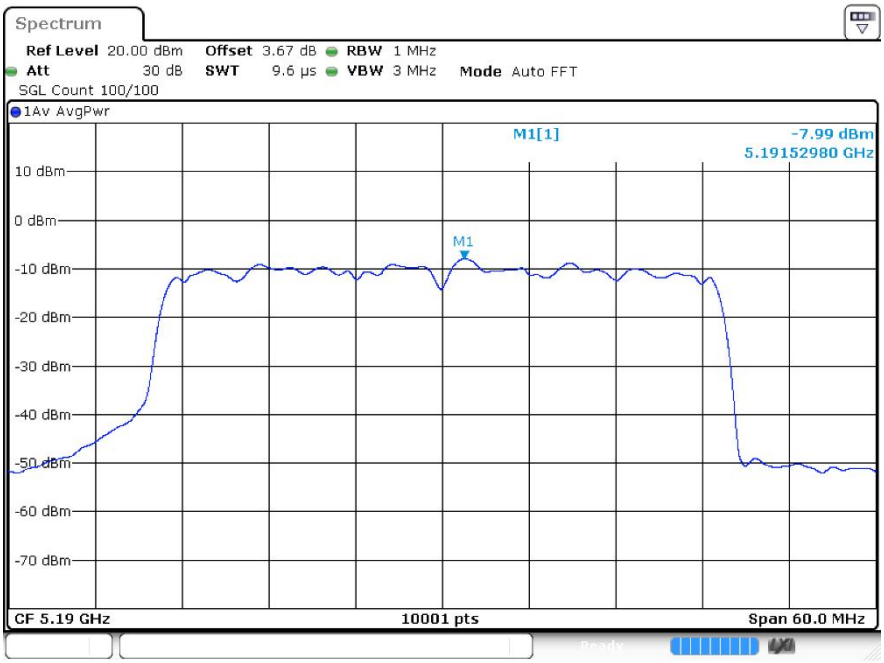

PSD ax20 5200MHz Ant1



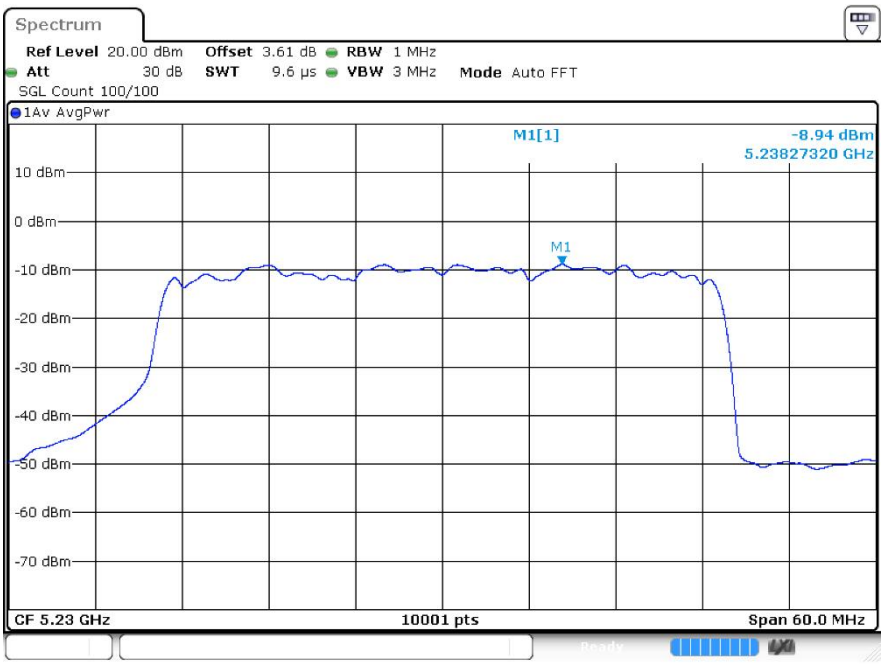
PSD ax20 5240MHz Ant1



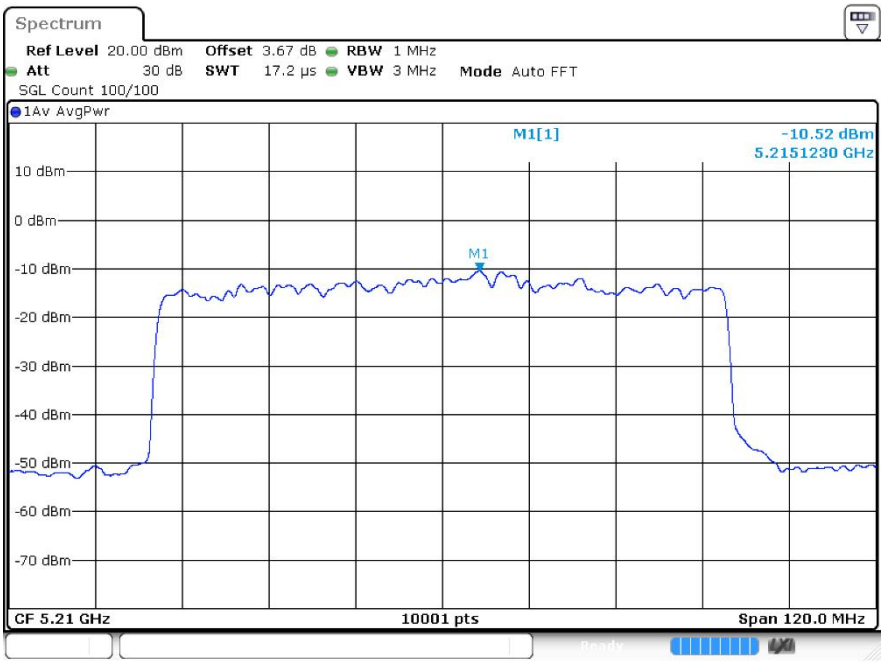

PSDax40 5190MHz Ant1



PSDax40 5230MHz Ant1




PSDax80 5210MHz Ant1



# 6 Frequency Stability

## 6.1 Test Result

| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Frequency Error (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| 20C 102V | a | 5180 | Ant1 | 5179.94 | -60000 | -11.58 | 25 | Pass |
| 20C 120V | a | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| 20C 138V | a | 5180 | Ant1 | 5179.98 | -20000 | -3.86 | 25 | Pass |
| -20C 120V | a | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| -10C 120V | a | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| 0C 120V | a | 5180 | Ant1 | 5179.98 | -20000 | -3.86 | 25 | Pass |
| 10C 120V | a | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| 30C 120V | a | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| 40C 120V | a | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| 50C 120V | a | 5180 | Ant1 | 5180 | 0 | 0 | 25 | Pass |
| 20C 102V | a | 5200 | Ant1 | 5199.98 | -20000 | -3.85 | 25 | Pass |
| 20C 120V | a | 5200 | Ant1 | 5199.94 | -60000 | -11.54 | 25 | Pass |
| 20C 138V | a | 5200 | Ant1 | 5199.94 | -60000 | -11.54 | 25 | Pass |
| -20C 120V | a | 5200 | Ant1 | 5199.94 | -60000 | -11.54 | 25 | Pass |
| -10C 120V | a | 5200 | Ant1 | 5199.98 | -20000 | -3.85 | 25 | Pass |
| 0C 120V | a | 5200 | Ant1 | 5199.94 | -60000 | -11.54 | 25 | Pass |
| 10C 120V | a | 5200 | Ant1 | 5199.94 | -60000 | -11.54 | 25 | Pass |
| 30C 120V | a | 5200 | Ant1 | 5199.96 | -40000 | -7.69 | 25 | Pass |
| 40C 120V | a | 5200 | Ant1 | 5199.96 | -40000 | -7.69 | 25 | Pass |
| 20C 102V | a | 5200 | Ant1 | 5199.98 | -20000 | -3.85 | 25 | Pass |
| 20C 102V | a | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| 20C 120V | a | 5240 | Ant1 | 5239.98 | -20000 | -3.82 | 25 | Pass |
| 20C 138V | a | 5240 | Ant1 | 5239.98 | -20000 | -3.82 | 25 | Pass |
| -20C 120V | a | 5240 | Ant1 | 5239.98 | -20000 | -3.82 | 25 | Pass |
| -10C 120V | a | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| 0C 120V | a | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| 10C 120V | a | 5240 | Ant1 | 5239.94 | -60000 | -11.45 | 25 | Pass |
| 30C 120V | a | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| 40C 120V | a | 5240 | Ant1 | 5239.94 | -60000 | -11.45 | 25 | Pass |
| 50C 120V | a | 5240 | Ant1 | 5239.92 | -80000 | -15.27 | 25 | Pass |
| 20C 102V | n20 | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| 20C 120V | n20 | 5180 | Ant1 | 5179.94 | -60000 | -11.58 | 25 | Pass |
| 20C 138V | n20 | 5180 | Ant1 | 5179.94 | -60000 | -11.58 | 25 | Pass |
| -20C 120V | n20 | 5180 | Ant1 | 5179.94 | -60000 | -11.58 | 25 | Pass |
| -10C 120V | n20 | 5180 | Ant1 | 5180.02 | 20000 | 3.86 | 25 | Pass |
| 0C 120V | n20 | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 10C 120V | n20 | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| 30C 120V | n20 | 5180 | Ant1 | 5179.98 | -20000 | -3.86 | 25 | Pass |
| 40C 120V | n20 | 5180 | Ant1 | 5179.94 | -60000 | -11.58 | 25 | Pass |
| 50C 120V | n20 | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| 20C 102V | n20 | 5200 | Ant1 | 5199.96 | -40000 | -7.69 | 25 | Pass |
| 20C 120V | n20 | 5200 | Ant1 | 5199.96 | -40000 | -7.69 | 25 | Pass |
| 20C 138V | n20 | 5200 | Ant1 | 5199.94 | -60000 | -11.54 | 25 | Pass |
| -20C 120V | n20 | 5200 | Ant1 | 5199.96 | -40000 | -7.69 | 25 | Pass |
| -10C 120V | n20 | 5200 | Ant1 | 5199.96 | -40000 | -7.69 | 25 | Pass |
| 0C 120V | n20 | 5200 | Ant1 | 5199.92 | -80000 | -15.38 | 25 | Pass |
| 10C 120V | n20 | 5200 | Ant1 | 5199.96 | -40000 | -7.69 | 25 | Pass |
| 30C 120V | n20 | 5200 | Ant1 | 5199.98 | -20000 | -3.85 | 25 | Pass |
| 40C 120V | n20 | 5200 | Ant1 | 5199.94 | -60000 | -11.54 | 25 | Pass |
| 50C 120V | n20 | 5200 | Ant1 | 5199.98 | -20000 | -3.85 | 25 | Pass |
| 20C 102V | n20 | 5240 | Ant1 | 5239.98 | -20000 | -3.82 | 25 | Pass |
| 20C 120V | n20 | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| 20C 138V | n20 | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| -20C 120V | n20 | 5240 | Ant1 | 5239.98 | -20000 | -3.82 | 25 | Pass |
| -10C 120V | n20 | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| 0C 120V | n20 | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| 10C 120V | n20 | 5240 | Ant1 | 5239.98 | -20000 | -3.82 | 25 | Pass |
| 30C 120V | n20 | 5240 | Ant1 | 5239.94 | -60000 | -11.45 | 25 | Pass |
| 40C 120V | n20 | 5240 | Ant1 | 5239.98 | -20000 | -3.82 | 25 | Pass |
| 50C 120V | n20 | 5240 | Ant1 | 5239.94 | -60000 | -11.45 | 25 | Pass |
| 20C 102V | n40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 20C 120V | n40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 20C 138V | n40 | 5190 | Ant1 | 5189.92 | -80000 | -15.41 | 25 | Pass |
| -20C 120V | n40 | 5190 | Ant1 | 5190 | 0 | 0 | 25 | Pass |
| -10C 120V | n40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 0C 120V | n40 | 5190 | Ant1 | 5189.92 | -80000 | -15.41 | 25 | Pass |
| 10C 120V | n40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 30C 120V | n40 | 5190 | Ant1 | 5190 | 0 | 0 | 25 | Pass |
| 40C 120V | n40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 50C 120V | n40 | 5190 | Ant1 | 5190 | 0 | 0 | 25 | Pass |
| 20C 102V | n40 | 5230 | Ant1 | 5229.92 | -80000 | -15.3 | 25 | Pass |
| 20C 120V | n40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| 20C 138V | n40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| -20C 120V | n40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| -10C 120V | n40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| 0C 120V | n40 | 5230 | Ant1 | 5229.92 | -80000 | -15.3 | 25 | Pass |
| 10C 120V | n40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| 30C 120V | n40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| 40C 120V | n40 | 5230 | Ant1 | 5230 | 0 | 0 | 25 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 50C 120V | n40 | 5230 | Ant1 | 5229.92 | -80000 | -15.3 | 25 | Pass |
| 20C 102V | ac20 | 5180 | Ant1 | 5179.94 | -60000 | -11.58 | 25 | Pass |
| 20C 120V | ac20 | 5180 | Ant1 | 5179.98 | -20000 | -3.86 | 25 | Pass |
| 20C 138V | ac20 | 5180 | Ant1 | 5179.98 | -20000 | -3.86 | 25 | Pass |
| -20C 120V | ac20 | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| -10C 120V | ac20 | 5180 | Ant1 | 5179.94 | -60000 | -11.58 | 25 | Pass |
| 0C 120V | ac20 | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| 10C 120V | ac20 | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| 30C 120V | ac20 | 5180 | Ant1 | 5179.98 | -20000 | -3.86 | 25 | Pass |
| 40C 120V | ac20 | 5180 | Ant1 | 5179.94 | -60000 | -11.58 | 25 | Pass |
| 50C 120V | ac20 | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| 20C 102V | ac20 | 5200 | Ant1 | 5199.96 | -40000 | -7.69 | 25 | Pass |
| 20C 120V | ac20 | 5200 | Ant1 | 5199.94 | -60000 | -11.54 | 25 | Pass |
| 20C 138V | ac20 | 5200 | Ant1 | 5199.94 | -60000 | -11.54 | 25 | Pass |
| -20C 120V | ac20 | 5200 | Ant1 | 5199.94 | -60000 | -11.54 | 25 | Pass |
| -10C 120V | ac20 | 5200 | Ant1 | 5199.94 | -60000 | -11.54 | 25 | Pass |
| 0C 120V | ac20 | 5200 | Ant1 | 5199.96 | -40000 | -7.69 | 25 | Pass |
| 10C 120V | ac20 | 5200 | Ant1 | 5199.94 | -60000 | -11.54 | 25 | Pass |
| 30C 120V | ac20 | 5200 | Ant1 | 5199.98 | -20000 | -3.85 | 25 | Pass |
| 40C 120V | ac20 | 5200 | Ant1 | 5199.98 | -20000 | -3.85 | 25 | Pass |
| 50C 120V | ac20 | 5200 | Ant1 | 5199.96 | -40000 | -7.69 | 25 | Pass |
| 20C 102V | ac20 | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| 20C 120V | ac20 | 5240 | Ant1 | 5239.94 | -60000 | -11.45 | 25 | Pass |
| 20C 138V | ac20 | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| -20C 120V | ac20 | 5240 | Ant1 | 5239.98 | -20000 | -3.82 | 25 | Pass |
| -10C 120V | ac20 | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| 0C 120V | ac20 | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| 10C 120V | ac20 | 5240 | Ant1 | 5239.98 | -20000 | -3.82 | 25 | Pass |
| 30C 120V | ac20 | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| 40C 120V | ac20 | 5240 | Ant1 | 5239.92 | -80000 | -15.27 | 25 | Pass |
| 50C 120V | ac20 | 5240 | Ant1 | 5239.94 | -60000 | -11.45 | 25 | Pass |
| 20C 102V | ac40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 20C 120V | ac40 | 5190 | Ant1 | 5190 | 0 | 0 | 25 | Pass |
| 20C 138V | ac40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| -20C 120V | ac40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| -10C 120V | ac40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 0C 120V | ac40 | 5190 | Ant1 | 5190 | 0 | 0 | 25 | Pass |
| 10C 120V | ac40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 30C 120V | ac40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 40C 120V | ac40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 50C 120V | ac40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 20C 102V | ac40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| 20C 120V | ac40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 20C 138V | ac40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| -20C 120V | ac40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| -10C 120V | ac40 | 5230 | Ant1 | 5230 | 0 | 0 | 25 | Pass |
| 0C 120V | ac40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| 10C 120V | ac40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| 30C 120V | ac40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| 40C 120V | ac40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| 50C 120V | ac40 | 5230 | Ant1 | 5230 | 0 | 0 | 25 | Pass |
| 20C 102V | ac80 | 5210 | Ant1 | 5209.92 | -80000 | -15.36 | 25 | Pass |
| 20C 120V | ac80 | 5210 | Ant1 | 5210 | 0 | 0 | 25 | Pass |
| 20C 138V | ac80 | 5210 | Ant1 | 5209.92 | -80000 | -15.36 | 25 | Pass |
| -20C 120V | ac80 | 5210 | Ant1 | 5210 | 0 | 0 | 25 | Pass |
| -10C 120V | ac80 | 5210 | Ant1 | 5210 | 0 | 0 | 25 | Pass |
| 0C 120V | ac80 | 5210 | Ant1 | 5210 | 0 | 0 | 25 | Pass |
| 10C 120V | ac80 | 5210 | Ant1 | 5210 | 0 | 0 | 25 | Pass |
| 30C 120V | ac80 | 5210 | Ant1 | 5210 | 0 | 0 | 25 | Pass |
| 40C 120V | ac80 | 5210 | Ant1 | 5209.92 | -80000 | -15.36 | 25 | Pass |
| 50C 120V | ac80 | 5210 | Ant1 | 5210 | 0 | 0 | 25 | Pass |
| 20C 102V | ax20 | 5180 | Ant1 | 5179.94 | -60000 | -11.58 | 25 | Pass |
| 20C 120V | ax20 | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| 20C 138V | ax20 | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| -20C 120V | ax20 | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| -10C 120V | ax20 | 5180 | Ant1 | 5179.98 | -20000 | -3.86 | 25 | Pass |
| 0C 120V | ax20 | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| 10C 120V | ax20 | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| 30C 120V | ax20 | 5180 | Ant1 | 5179.94 | -60000 | -11.58 | 25 | Pass |
| 40C 120V | ax20 | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| 50C 120V | ax20 | 5180 | Ant1 | 5179.96 | -40000 | -7.72 | 25 | Pass |
| 20C 102V | ax20 | 5200 | Ant1 | 5199.98 | -20000 | -3.85 | 25 | Pass |
| 20C 120V | ax20 | 5200 | Ant1 | 5199.96 | -40000 | -7.69 | 25 | Pass |
| 20C 138V | ax20 | 5200 | Ant1 | 5199.94 | -60000 | -11.54 | 25 | Pass |
| -20C 120V | ax20 | 5200 | Ant1 | 5199.96 | -40000 | -7.69 | 25 | Pass |
| -10C 120V | ax20 | 5200 | Ant1 | 5199.96 | -40000 | -7.69 | 25 | Pass |
| 0C 120V | ax20 | 5200 | Ant1 | 5199.96 | -40000 | -7.69 | 25 | Pass |
| 10C 120V | ax20 | 5200 | Ant1 | 5199.96 | -40000 | -7.69 | 25 | Pass |
| 30C 120V | ax20 | 5200 | Ant1 | 5199.96 | -40000 | -7.69 | 25 | Pass |
| 40C 120V | ax20 | 5200 | Ant1 | 5199.96 | -40000 | -7.69 | 25 | Pass |
| 50C 120V | ax20 | 5200 | Ant1 | 5199.96 | -40000 | -7.69 | 25 | Pass |
| 20C 102V | ax20 | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| 20C 120V | ax20 | 5240 | Ant1 | 5239.94 | -60000 | -11.45 | 25 | Pass |
| 20C 138V | ax20 | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| -20C 120V | ax20 | 5240 | Ant1 | 5239.98 | -20000 | -3.82 | 25 | Pass |
| -10C 120V | ax20 | 5240 | Ant1 | 5239.98 | -20000 | -3.82 | 25 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 0C 120V | ax20 | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| 10C 120V | ax20 | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| 30C 120V | ax20 | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| 40C 120V | ax20 | 5240 | Ant1 | 5239.94 | -60000 | -11.45 | 25 | Pass |
| 50C 120V | ax20 | 5240 | Ant1 | 5239.96 | -40000 | -7.63 | 25 | Pass |
| 20C 102V | ax40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 20C 120V | ax40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 20C 138V | ax40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| -20C 120V | ax40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| -10C 120V | ax40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 0C 120V | ax40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 10C 120V | ax40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 30C 120V | ax40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 40C 120V | ax40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 50C 120V | ax40 | 5190 | Ant1 | 5189.96 | -40000 | -7.71 | 25 | Pass |
| 20C 102V | ax40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| 20C 120V | ax40 | 5230 | Ant1 | 5230 | 0 | 0 | 25 | Pass |
| 20C 138V | ax40 | 5230 | Ant1 | 5229.92 | -80000 | -15.3 | 25 | Pass |
| -20C 120V | ax40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| -10C 120V | ax40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| 0C 120V | ax40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| 10C 120V | ax40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| 30C 120V | ax40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| 40C 120V | ax40 | 5230 | Ant1 | 5229.96 | -40000 | -7.65 | 25 | Pass |
| 50C 120V | ax40 | 5230 | Ant1 | 5229.92 | -80000 | -15.3 | 25 | Pass |
| 20C 102V | ax80 | 5210 | Ant1 | 5209.92 | -80000 | -15.36 | 25 | Pass |
| 20C 120V | ax80 | 5210 | Ant1 | 5209.92 | -80000 | -15.36 | 25 | Pass |
| 20C 138V | ax80 | 5210 | Ant1 | 5209.92 | -80000 | -15.36 | 25 | Pass |
| -20C 120V | ax80 | 5210 | Ant1 | 5209.92 | -80000 | -15.36 | 25 | Pass |
| -10C 120V | ax80 | 5210 | Ant1 | 5209.92 | -80000 | -15.36 | 25 | Pass |
| 0C 120V | ax80 | 5210 | Ant1 | 5209.92 | -80000 | -15.36 | 25 | Pass |
| 10C 120V | ax80 | 5210 | Ant1 | 5209.92 | -80000 | -15.36 | 25 | Pass |
| 30C 120V | ax80 | 5210 | Ant1 | 5209.92 | -80000 | -15.36 | 25 | Pass |
| 40C 120V | ax80 | 5210 | Ant1 | 5209.92 | -80000 | -15.36 | 25 | Pass |
| 50C 120V | ax80 | 5210 | Ant1 | 5209.92 | -80000 | -15.36 | 25 | Pass |

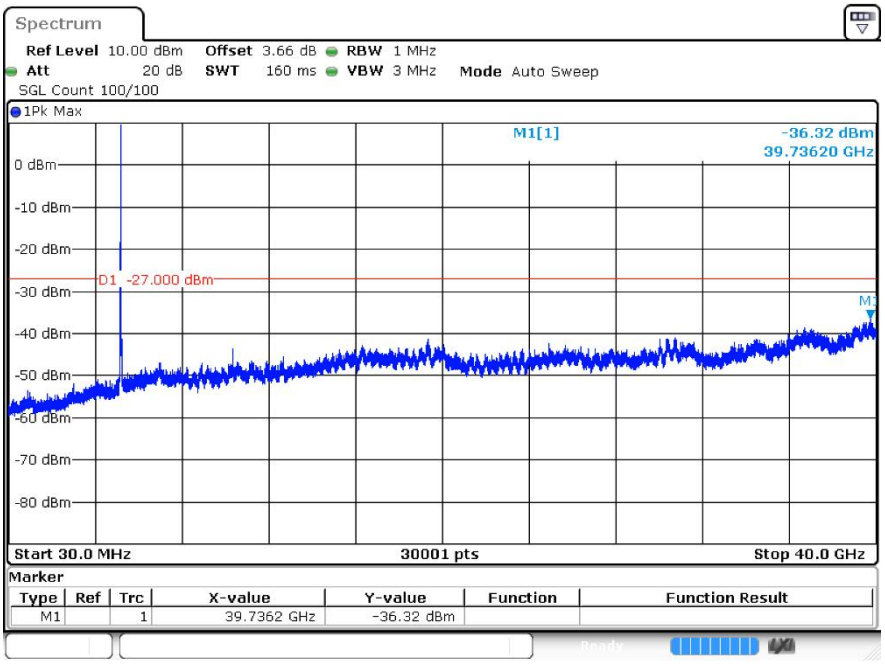
# 7 Conducted RF Spurious Emission

## 7.1 Test Result

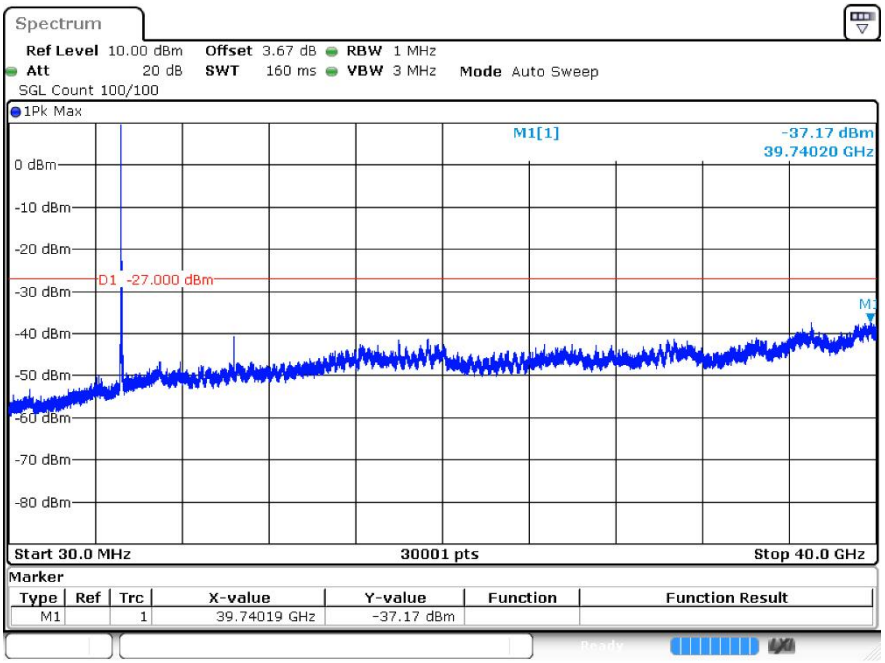
| Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|---|---|---|---|---|---|
| a | 5180 | Ant1 | -36.31 | -27 | Pass |
| a | 5200 | Ant1 | -37.17 | -27 | Pass |
| a | 5240 | Ant1 | -37.07 | -27 | Pass |
| n20 | 5180 | Ant1 | -36.97 | -27 | Pass |
| n20 | 5200 | Ant1 | -36.82 | -27 | Pass |
| n20 | 5240 | Ant1 | -36.33 | -27 | Pass |
| n40 | 5190 | Ant1 | -36.35 | -27 | Pass |
| n40 | 5230 | Ant1 | -36.99 | -27 | Pass |
| ac20 | 5180 | Ant1 | -35.97 | -27 | Pass |
| ac20 | 5200 | Ant1 | -36.04 | -27 | Pass |
| ac20 | 5240 | Ant1 | -36.96 | -27 | Pass |
| ac40 | 5190 | Ant1 | -36.55 | -27 | Pass |
| ac40 | 5230 | Ant1 | -37.18 | -27 | Pass |
| ac80 | 5210 | Ant1 | -36.96 | -27 | Pass |
| ax20 | 5180 | Ant1 | -37.04 | -27 | Pass |
| ax20 | 5200 | Ant1 | -36.95 | -27 | Pass |
| ax20 | 5240 | Ant1 | -37.08 | -27 | Pass |
| ax40 | 5190 | Ant1 | -36.63 | -27 | Pass |
| ax40 | 5230 | Ant1 | -37.41 | -27 | Pass |
| ax80 | 5210 | Ant1 | -37.19 | -27 | Pass |

## 7.2 Test Graphs

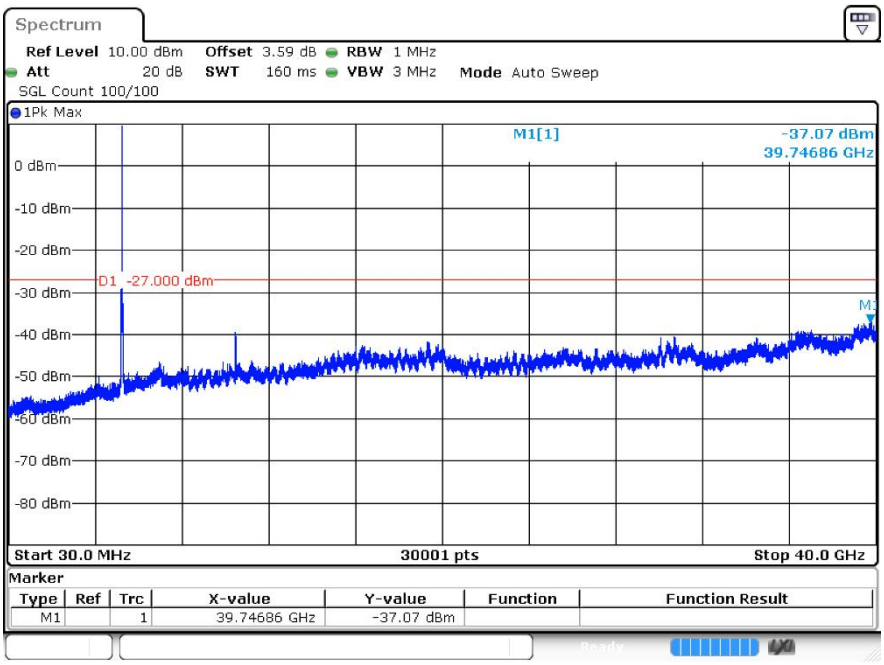
| Test Graphs |
|---|
| Tx. Spuriousa 5180MHz Ant1 |



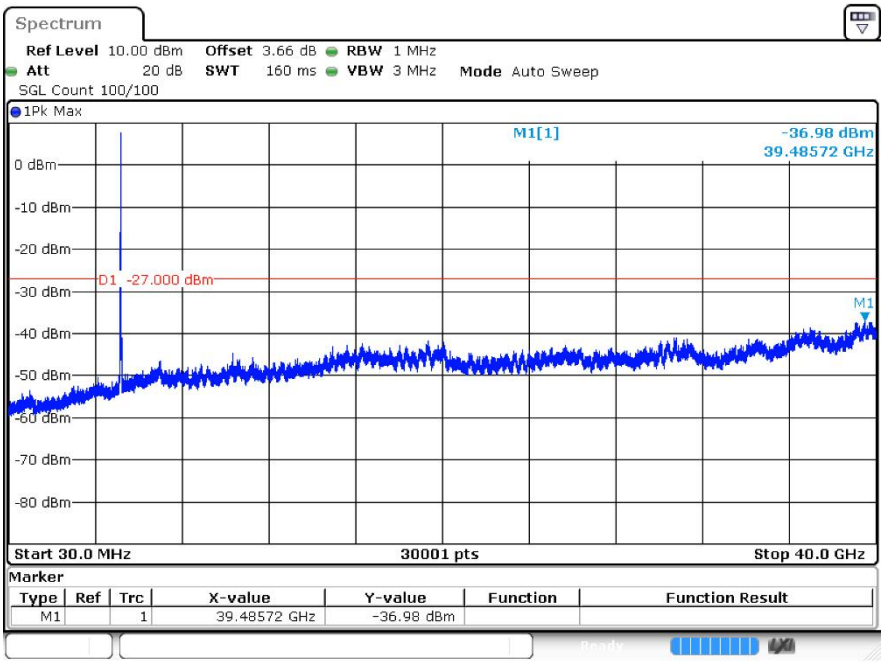

Tx. Spuriousa 5200MHz Ant1



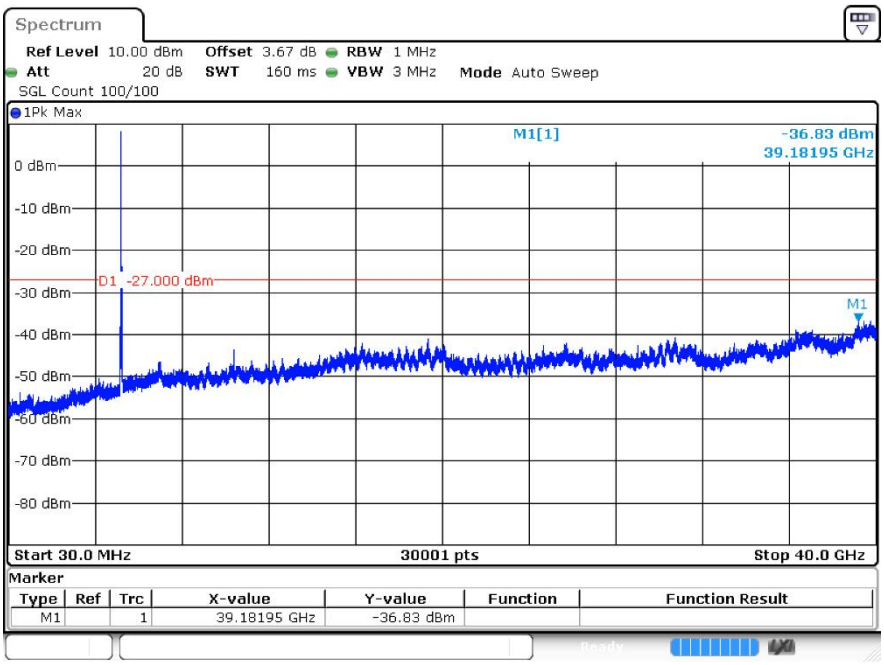
Tx. Spuriousa 5240MHz Ant1



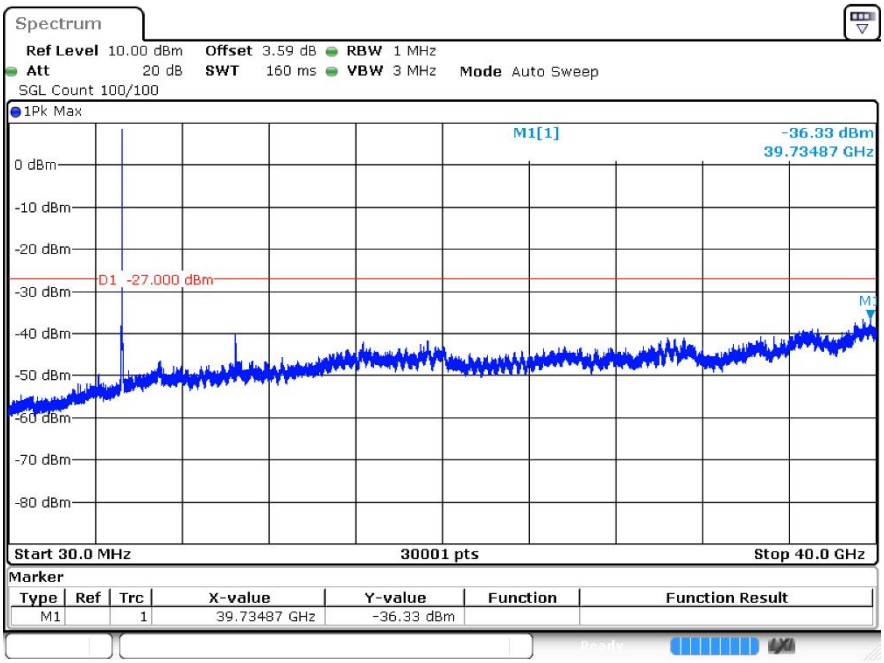

Tx. Spurious n20 5180MHz Ant1



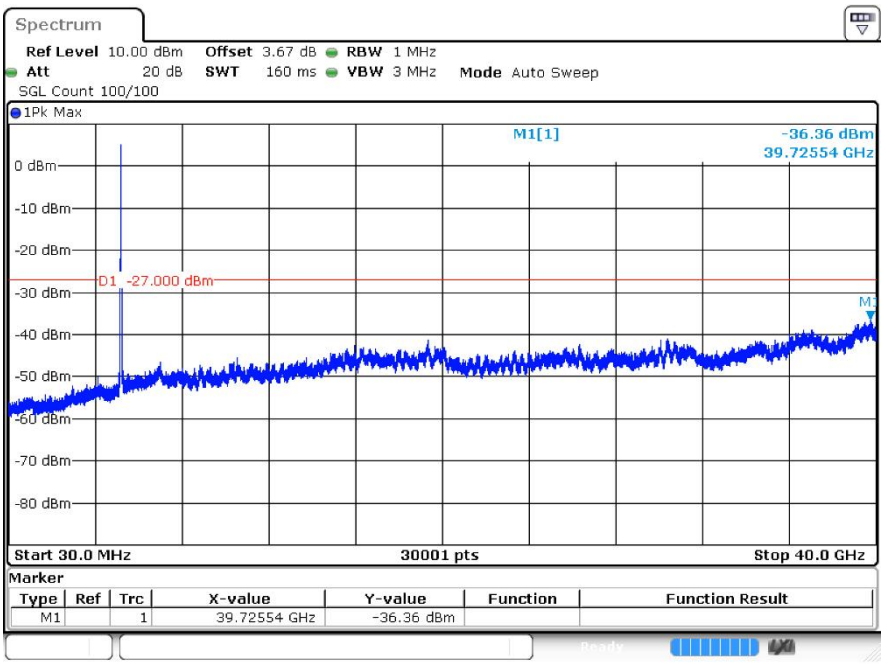
Tx. Spurious n20 5200MHz Ant1



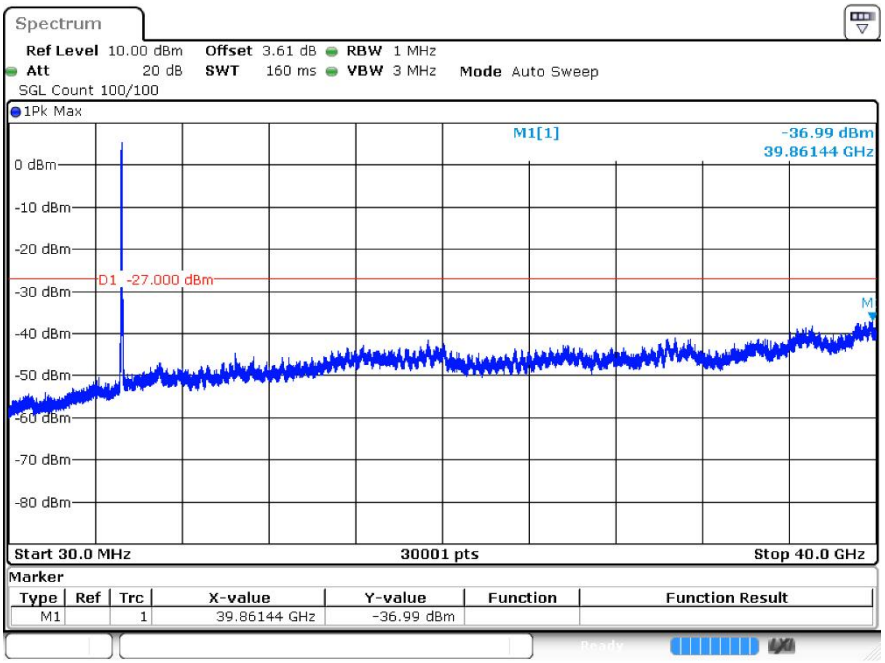

Tx. Spurious n20 5240MHz Ant1



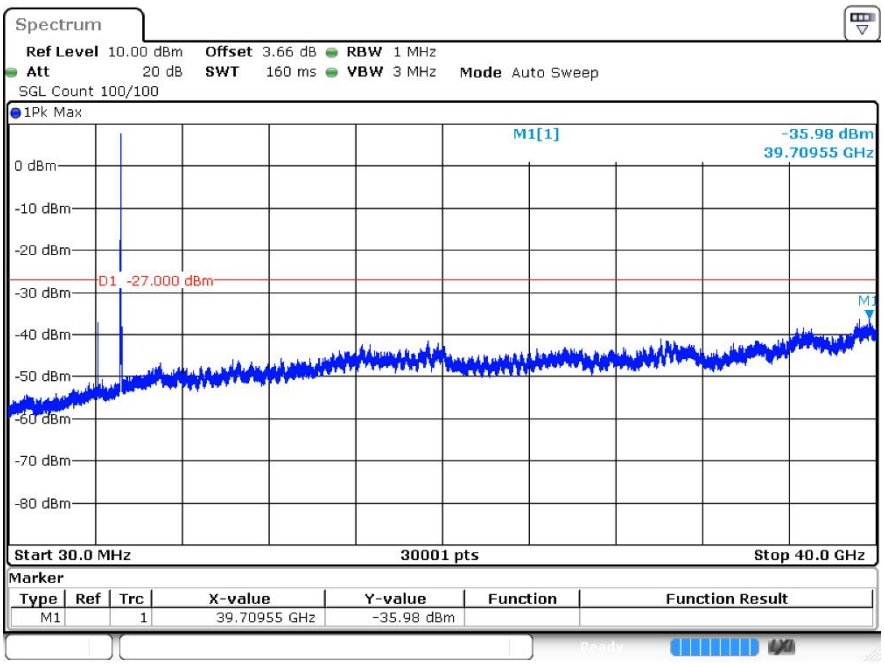
Tx. Spuriousn40 5190MHz Ant1



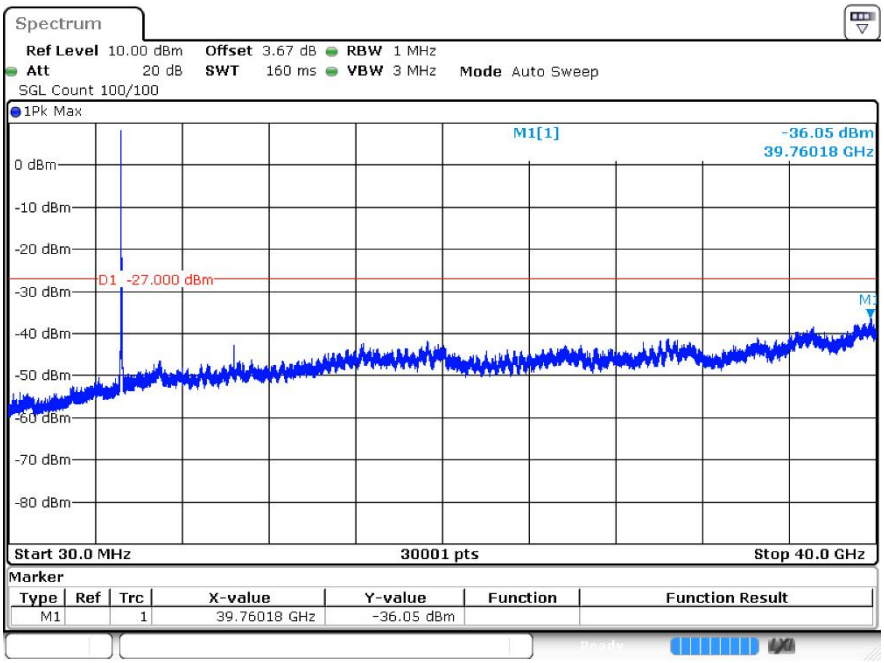

Tx. Spuriousn40 5230MHz Ant1



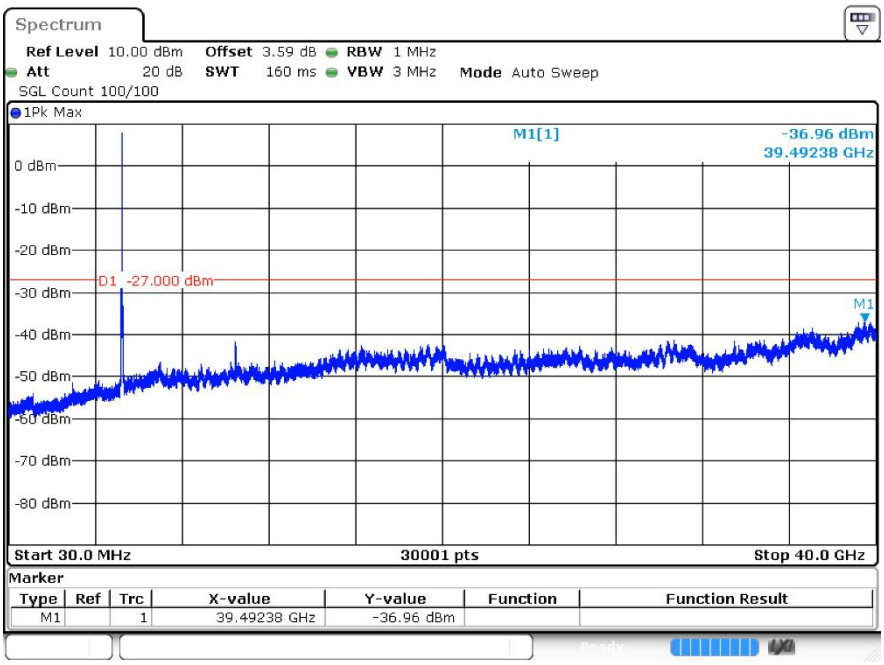
Tx. Spurious ac20 5180MHz Ant1



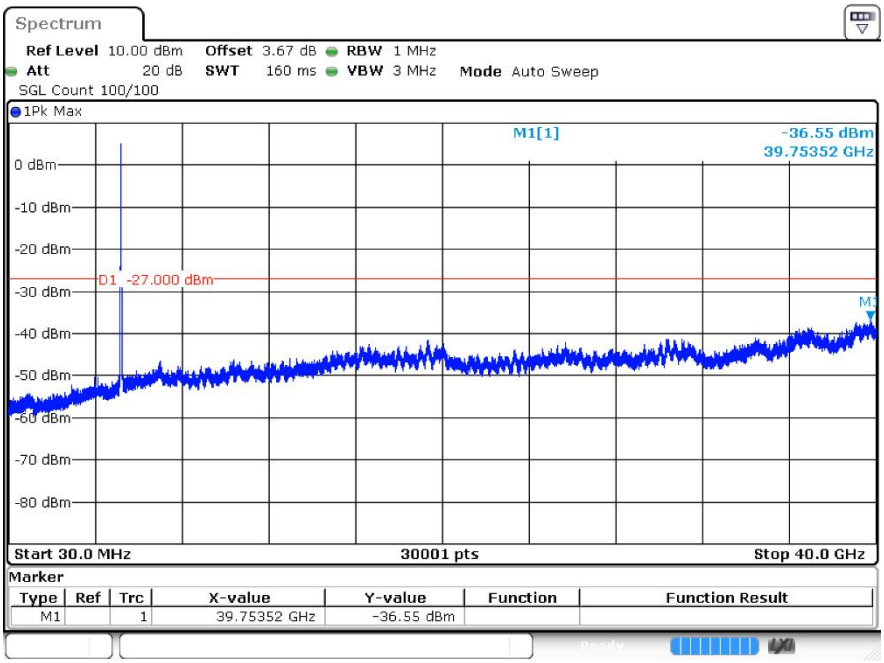

Tx. Spurious ac20 5200MHz Ant1



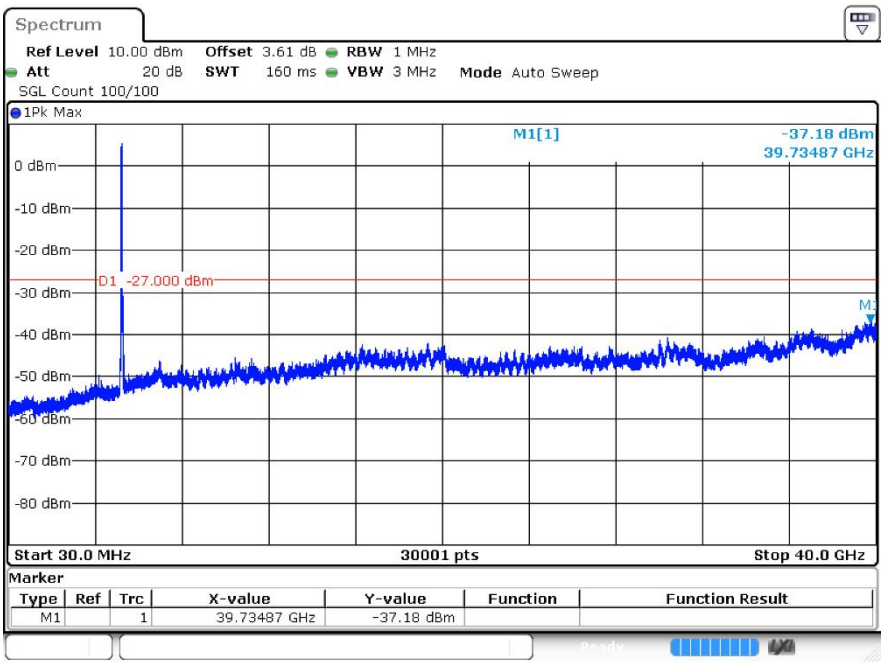
Tx. Spurious ac20 5240MHz Ant1



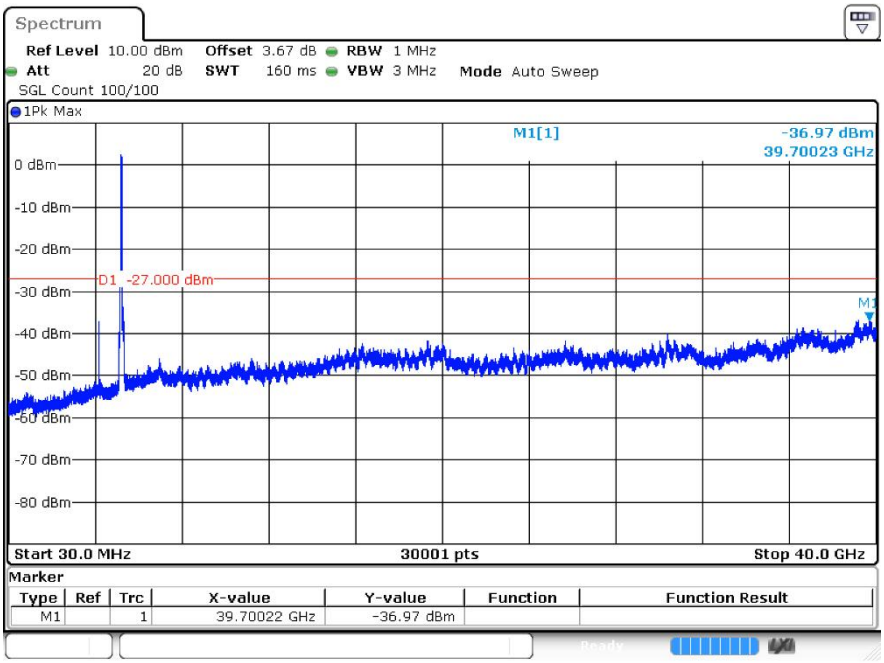

Tx. Spuriousac40 5190MHz Ant1



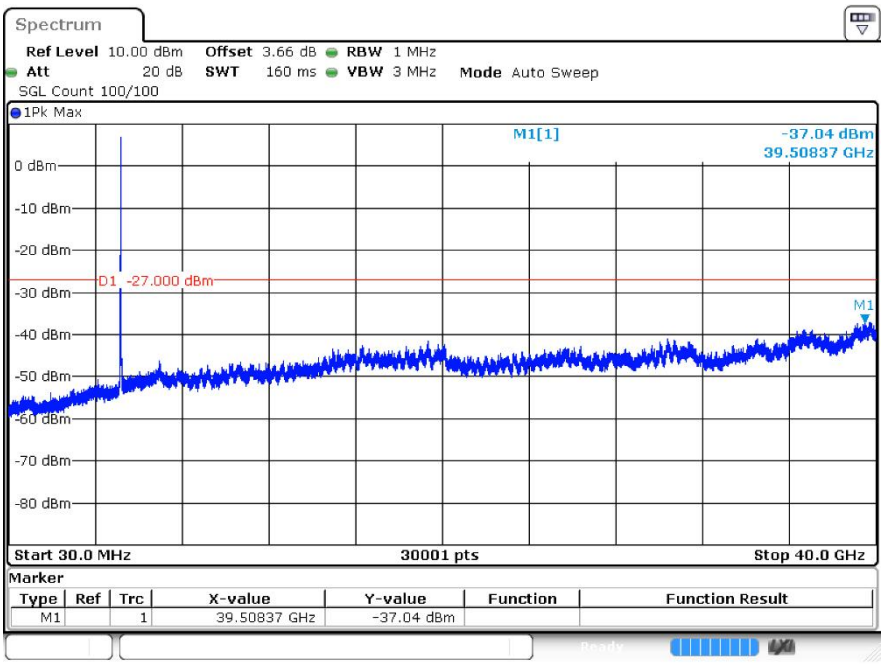
Tx. Spuriousac40 5230MHz Ant1



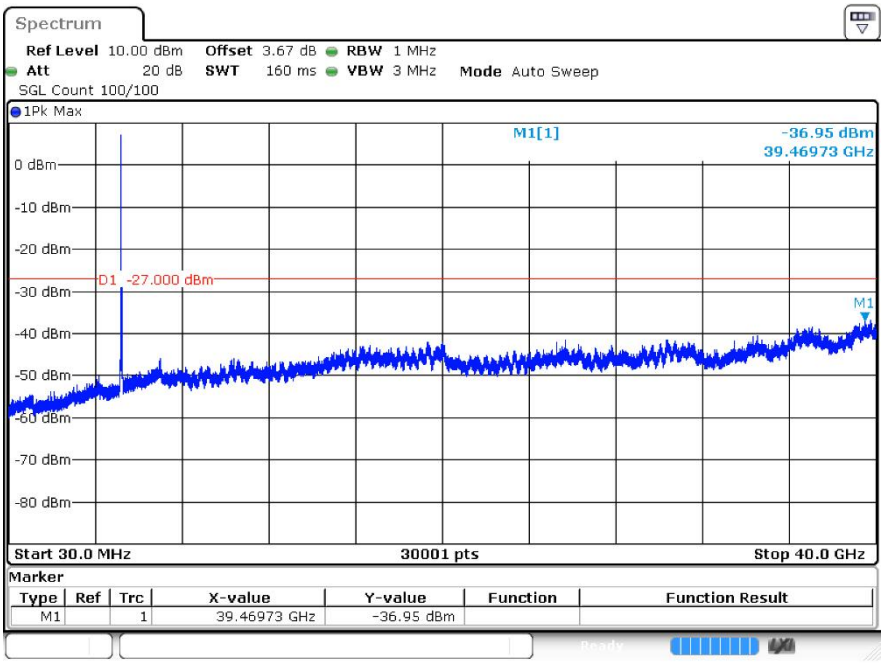

Tx. Spuriousac80 5210MHz Ant1



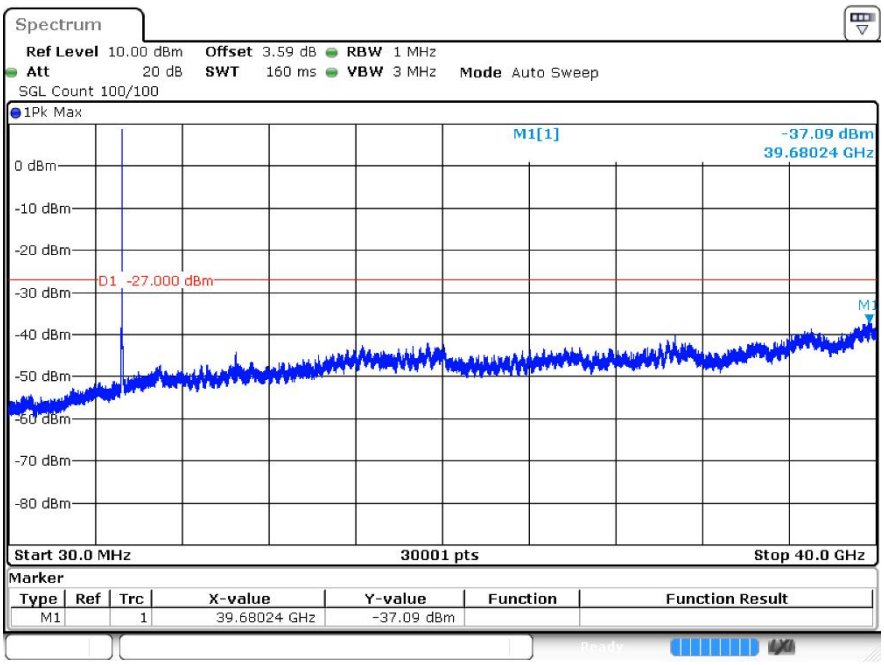
Tx. Spurious ax20 5180MHz Ant1



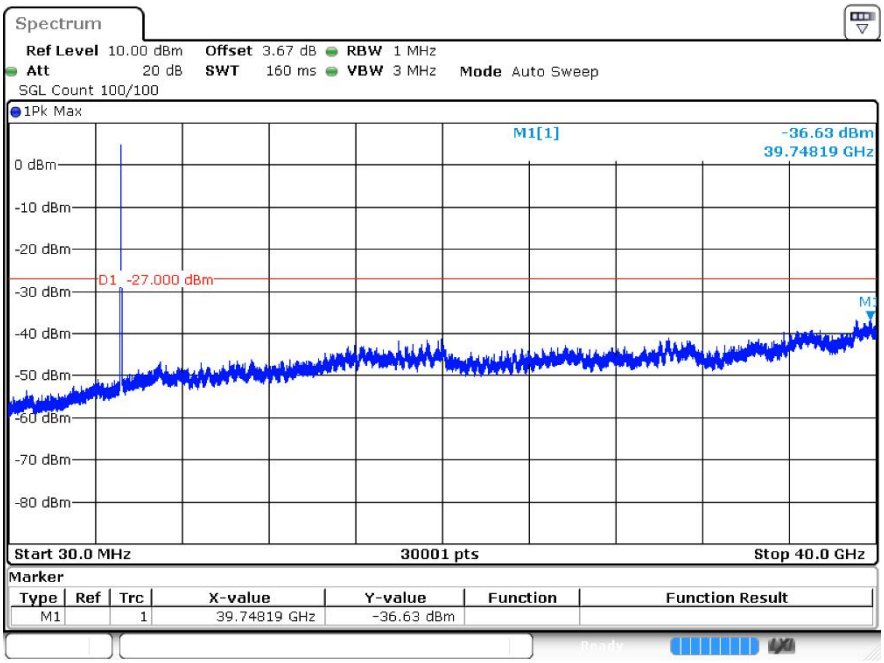

Tx. Spurious ax20 5200MHz Ant1



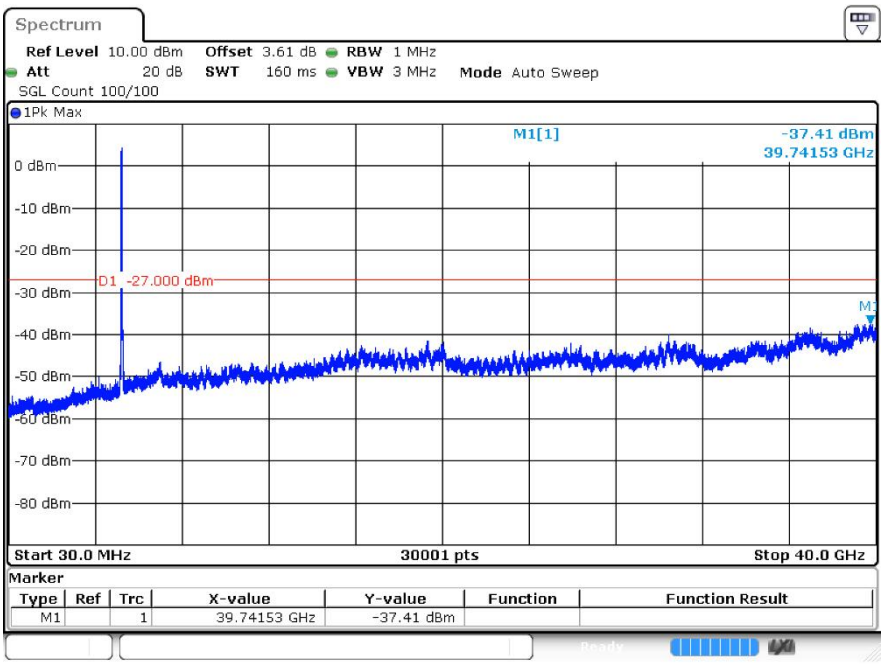
Tx. Spurious ax20 5240MHz Ant1



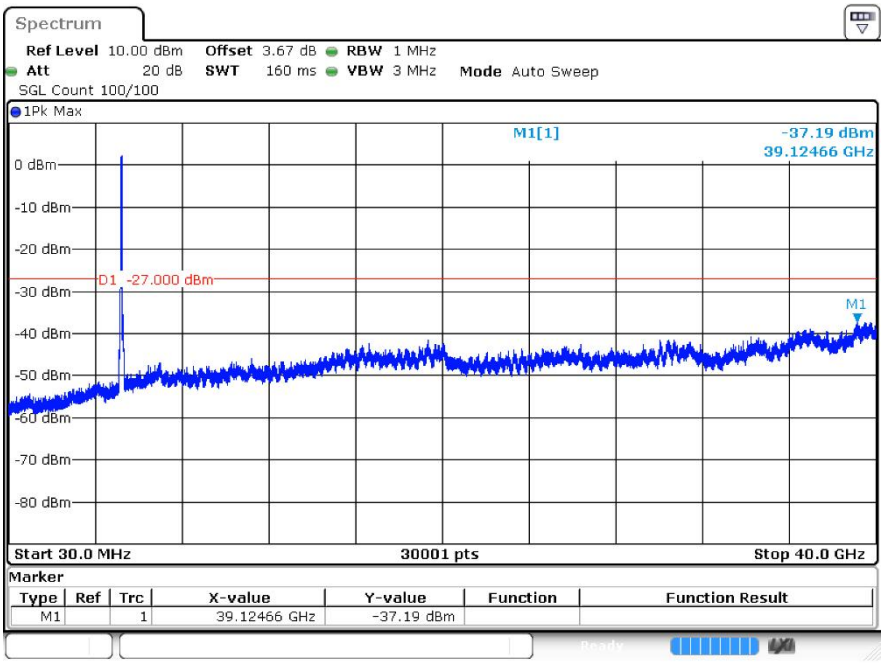

Tx. Spuriousax40 5190MHz Ant1



Tx. Spuriousax40 5230MHz Ant1




Tx. Spuriousax80 5210MHz Ant1




---The End---