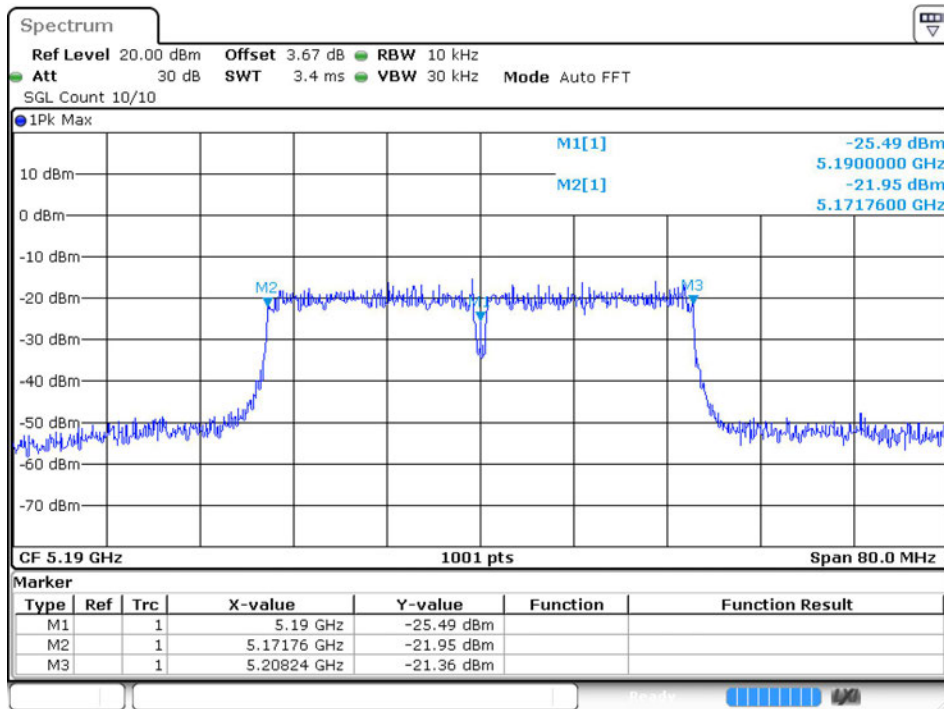
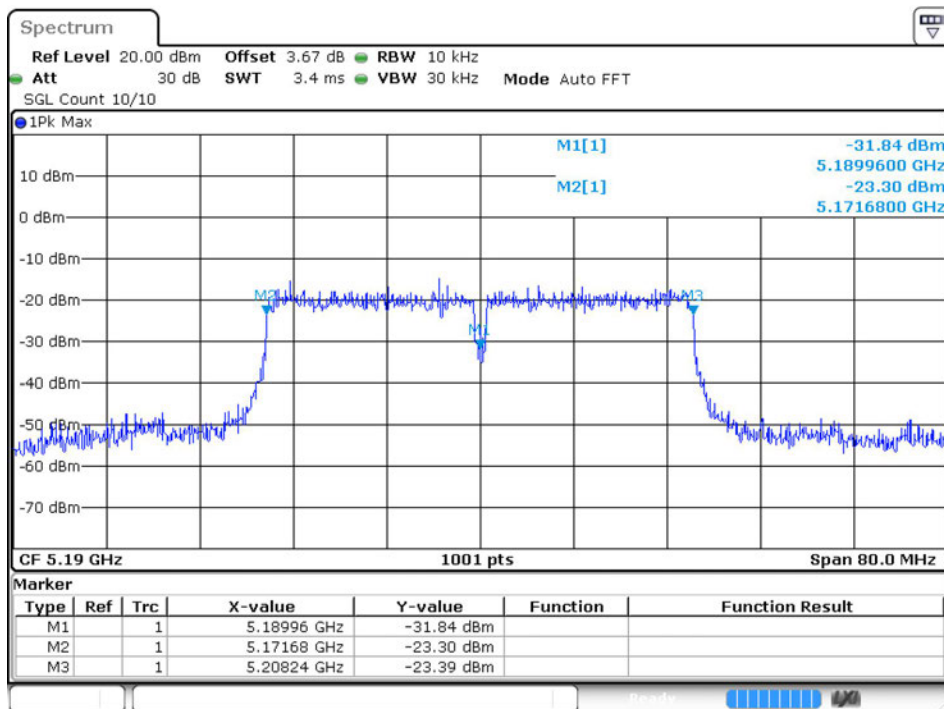




Freq. Stability 10C 120V ac40 5190MHz Ant1

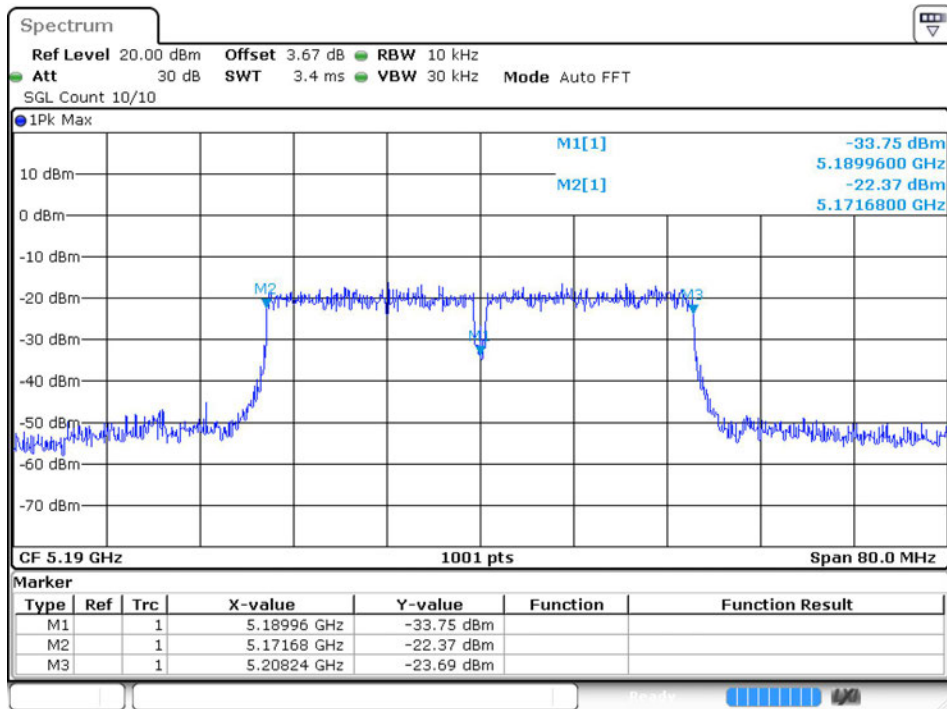


Freq. Stability 30C 120V ac40 5190MHz Ant1

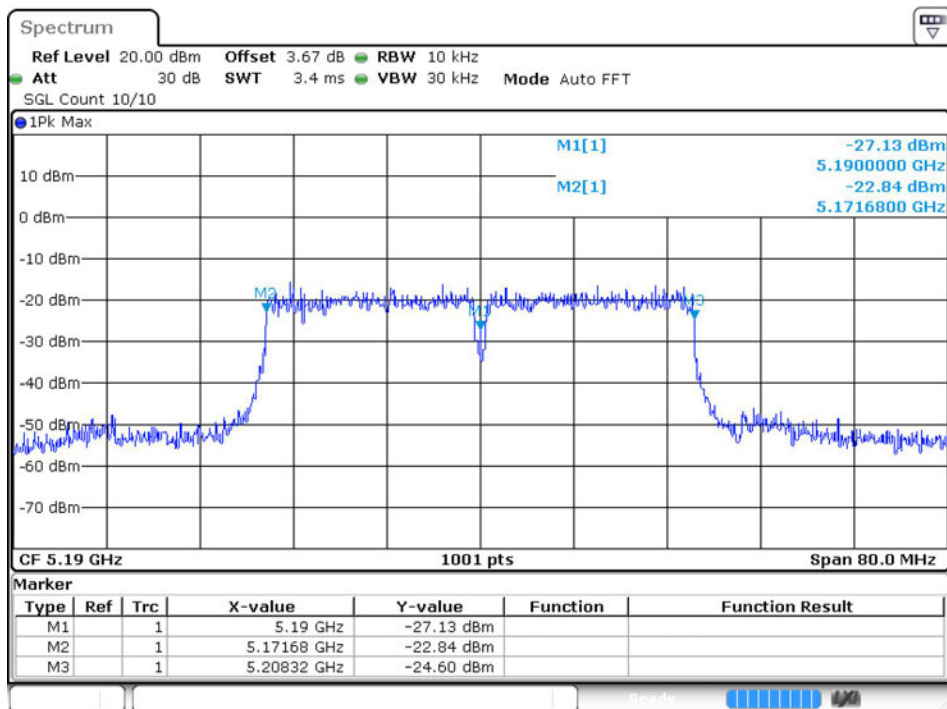




## Freq. Stability 40C 120V ac40 5190MHz Ant1

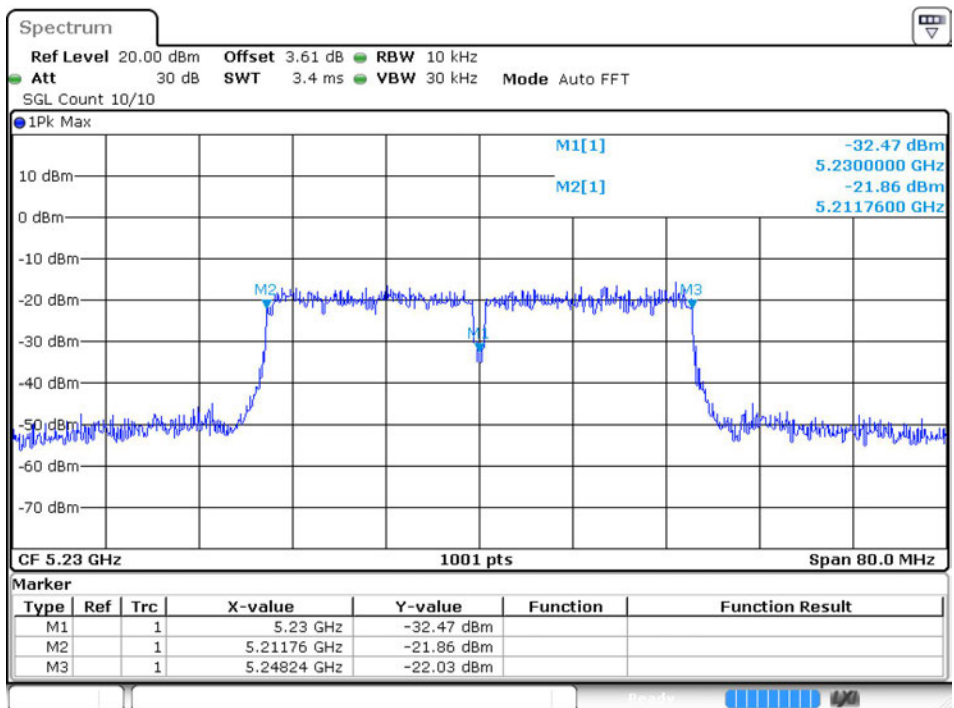


## Freq. Stability 50C 120V ac40 5190MHz Ant1

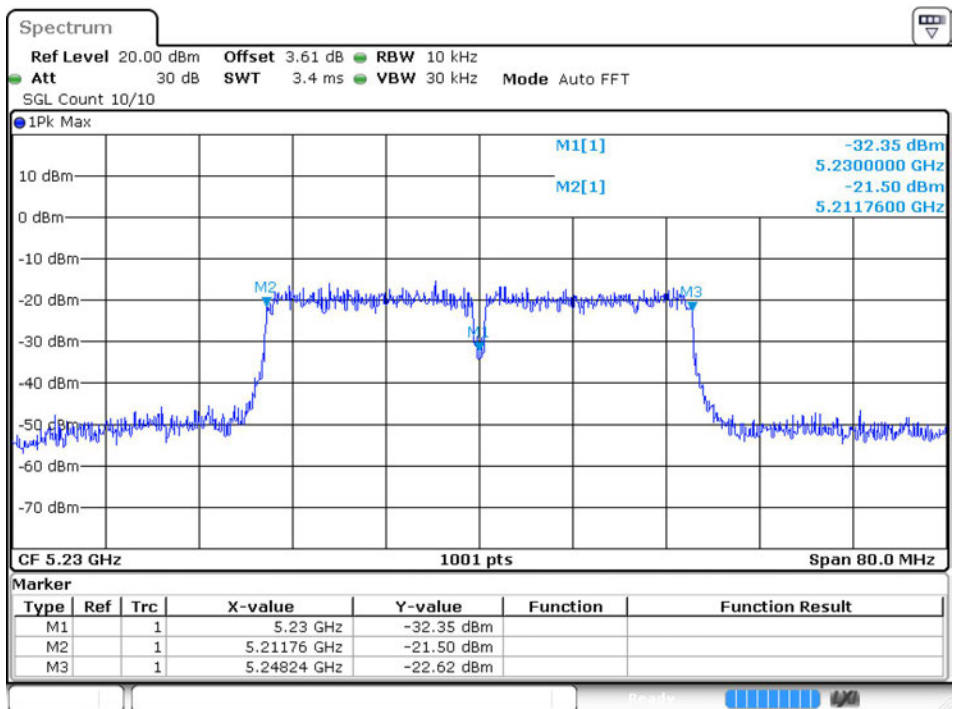




Freq. Stability 20C 102V ac40 5230MHz Ant1

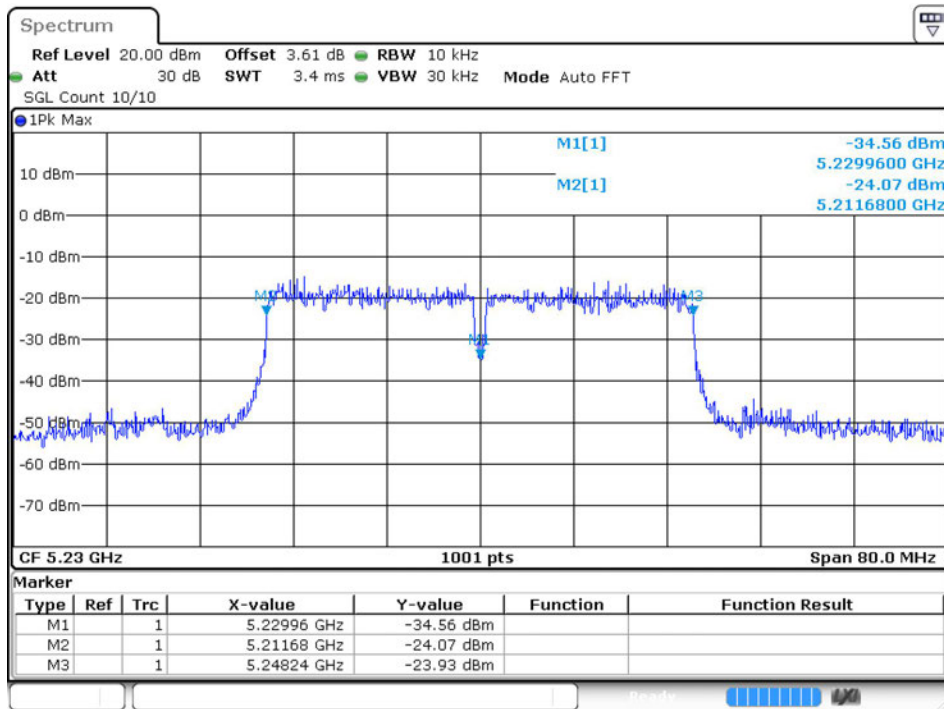


Freq. Stability 20C 120V ac40 5230MHz Ant1

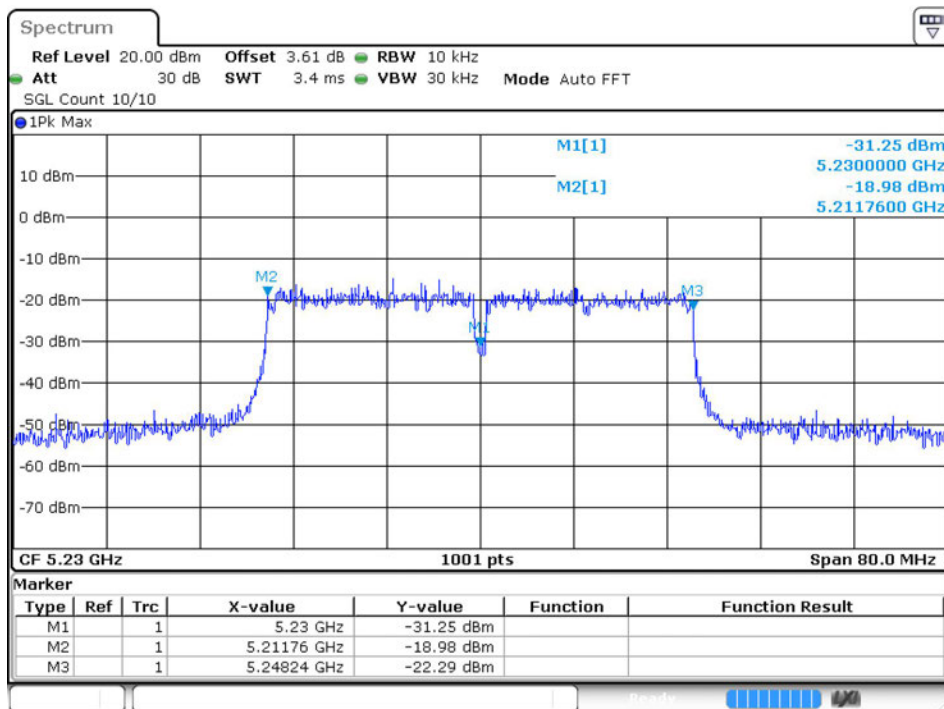


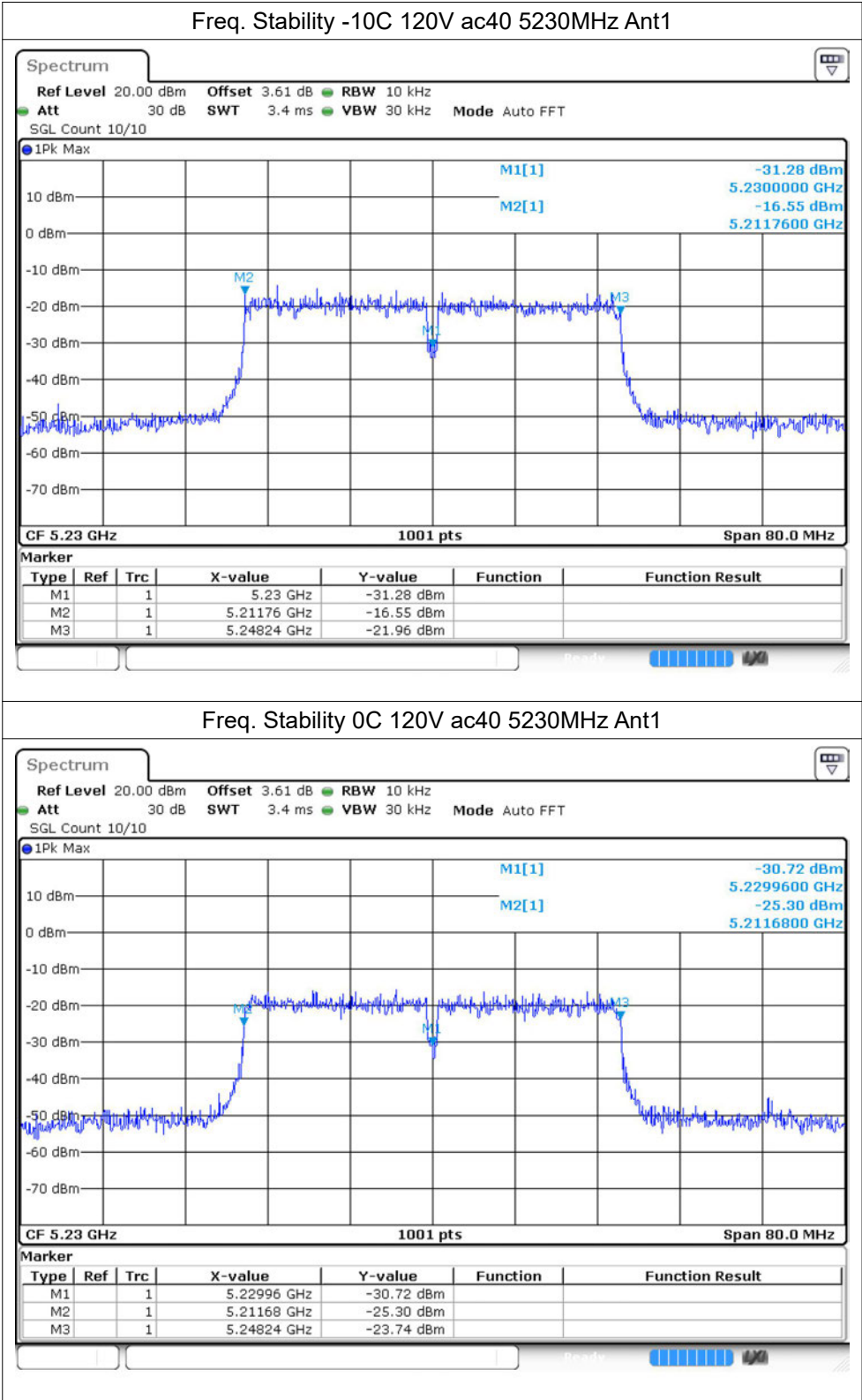


Freq. Stability 20C 138V ac40 5230MHz Ant1



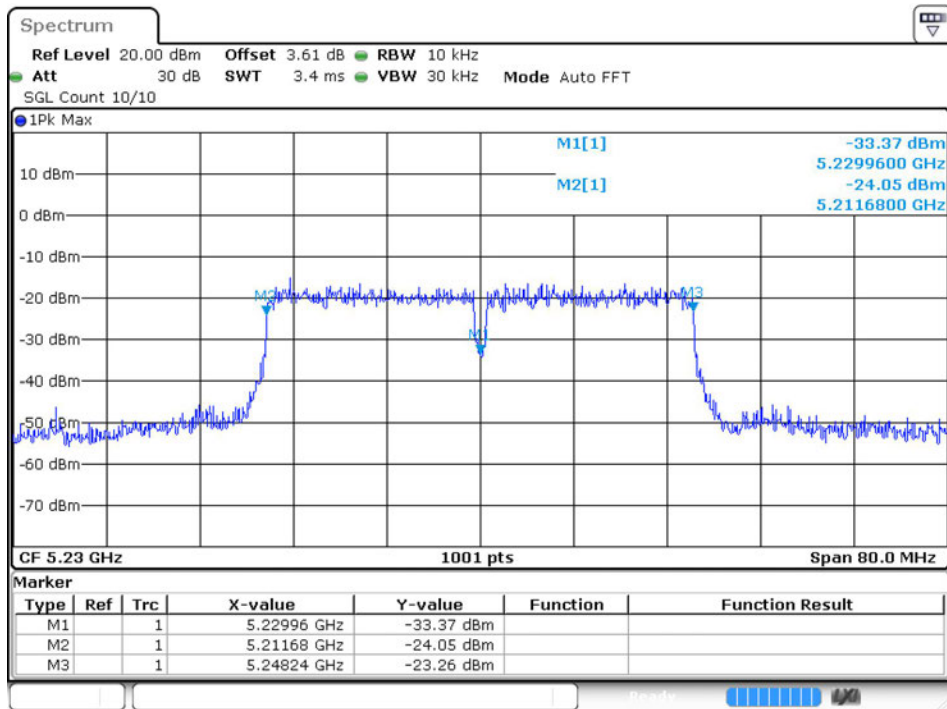
Freq. Stability -20C 120V ac40 5230MHz Ant1



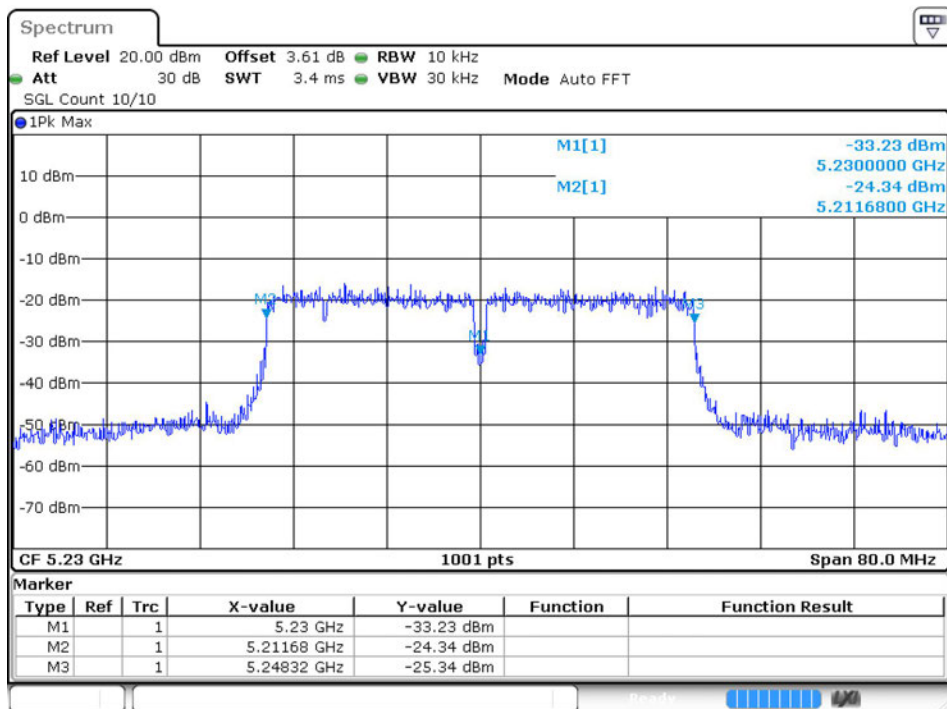




## Freq. Stability 10C 120V ac40 5230MHz Ant1



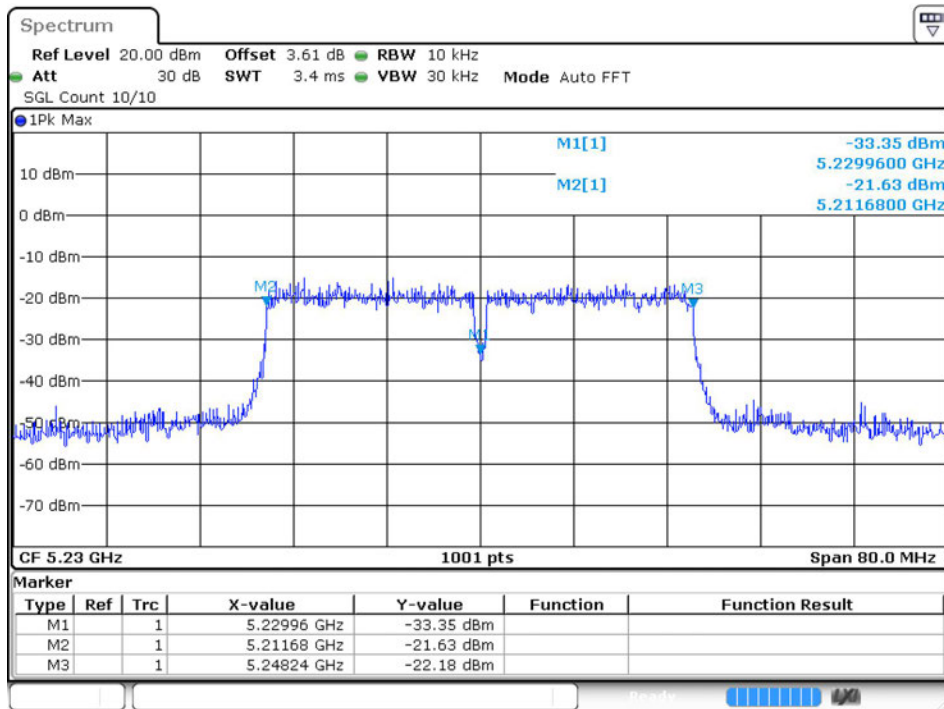
## Freq. Stability 30C 120V ac40 5230MHz Ant1



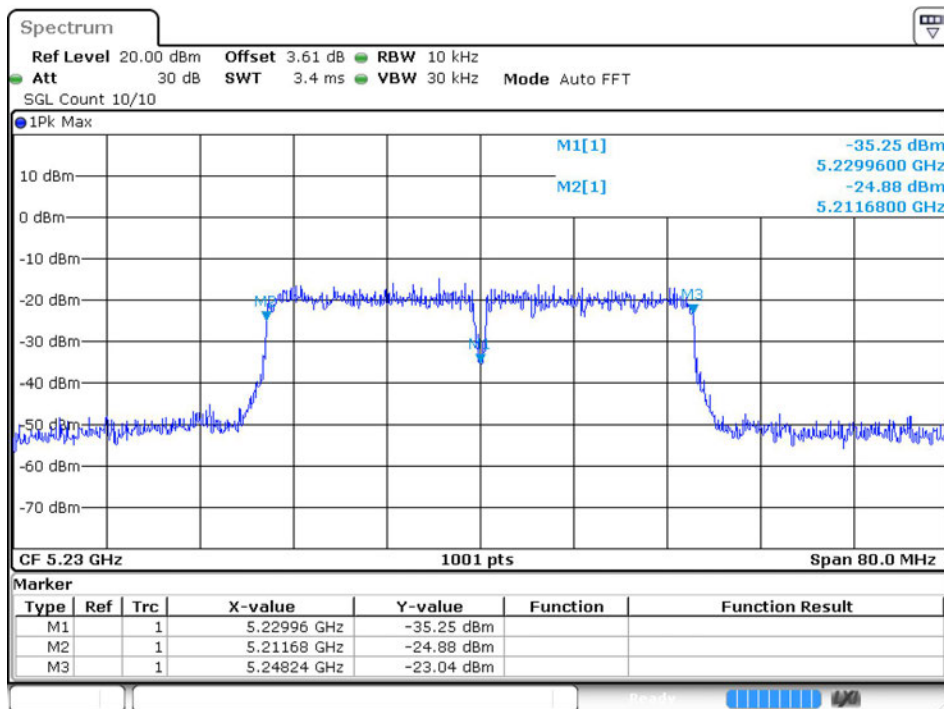




Freq. Stability 40C 120V ac40 5230MHz Ant1

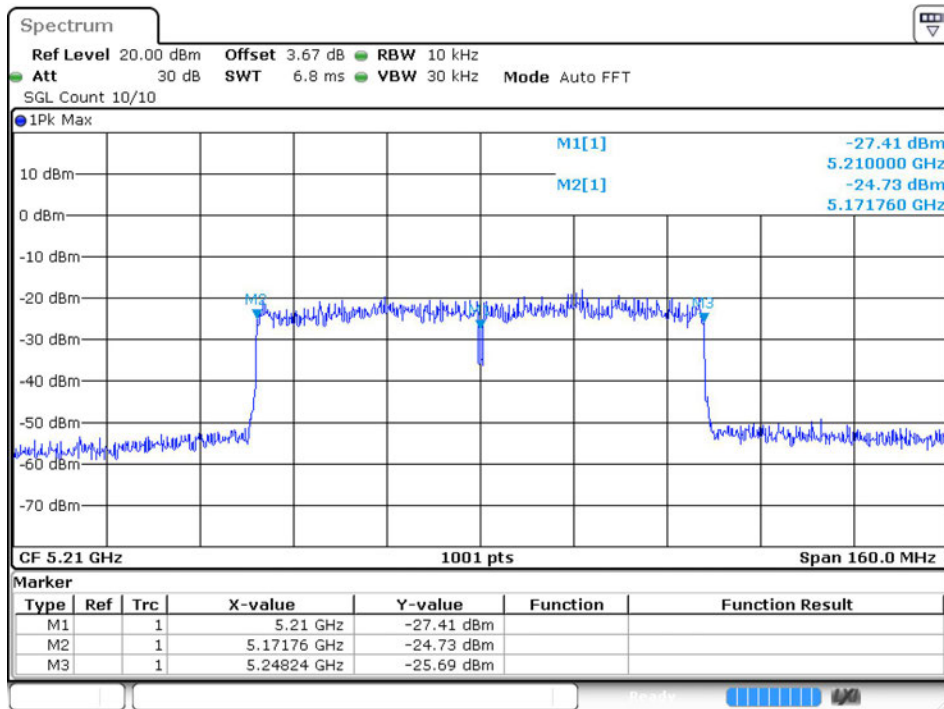


Freq. Stability 50C 120V ac40 5230MHz Ant1

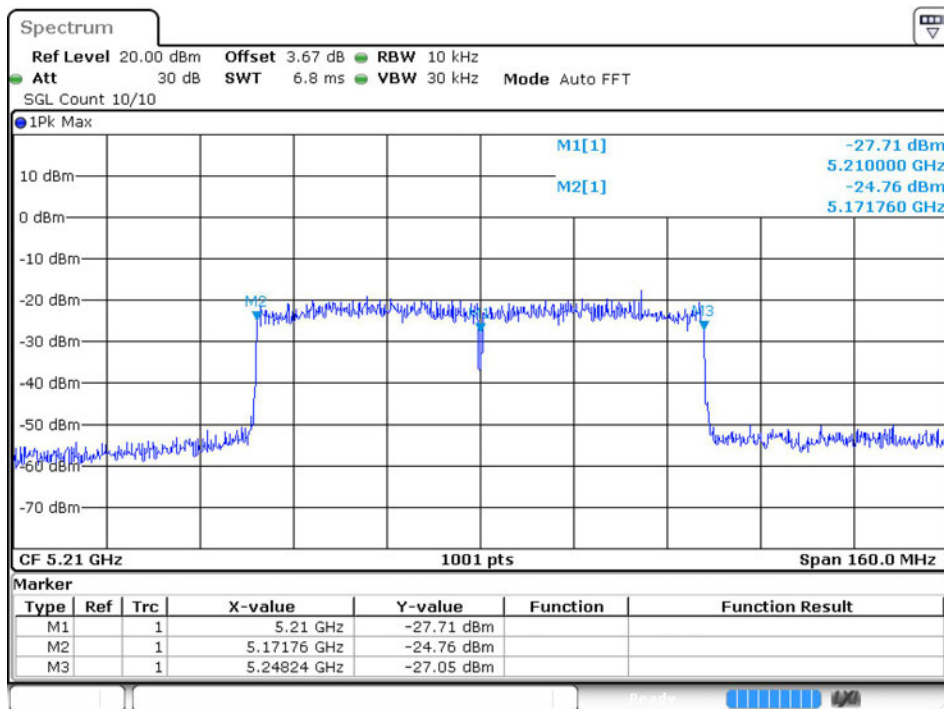




Freq. Stability 20C 102V ac80 5210MHz Ant1



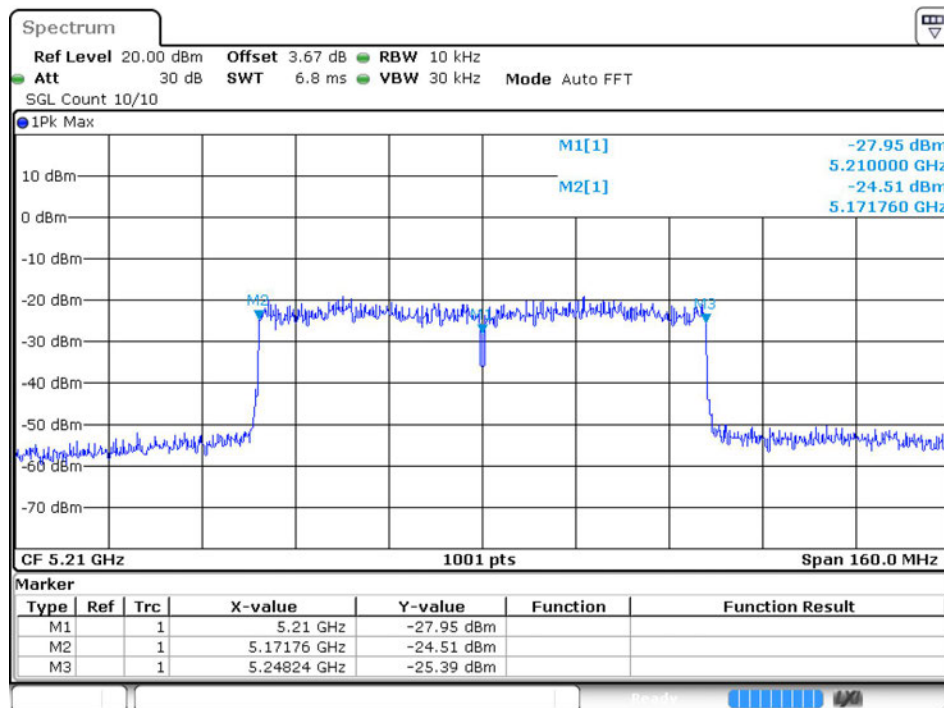
Freq. Stability 20C 120V ac80 5210MHz Ant1



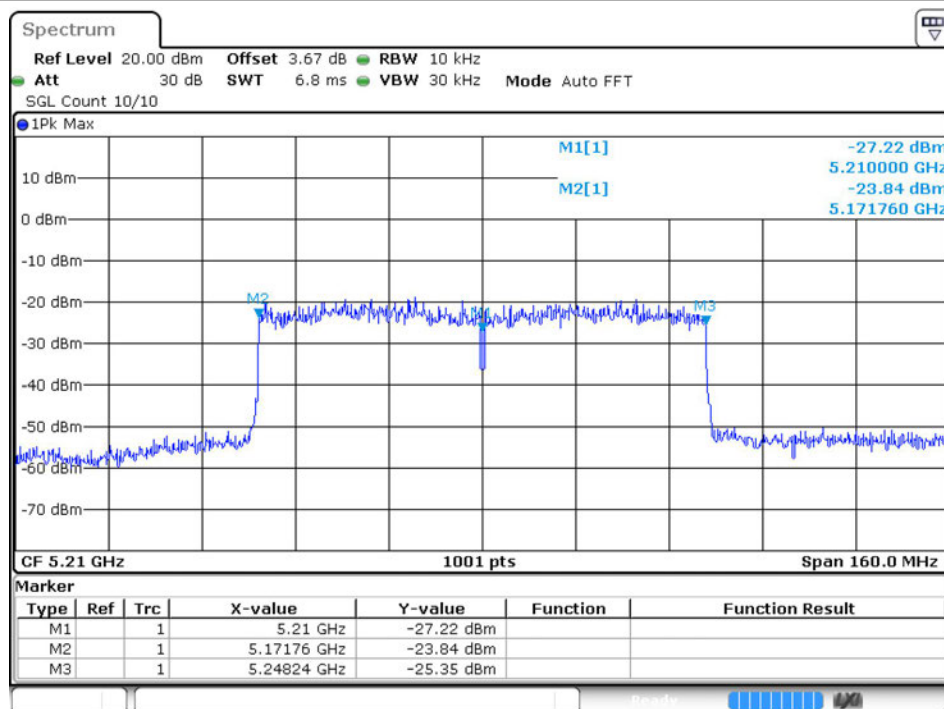




## Freq. Stability 20C 138V ac80 5210MHz Ant1

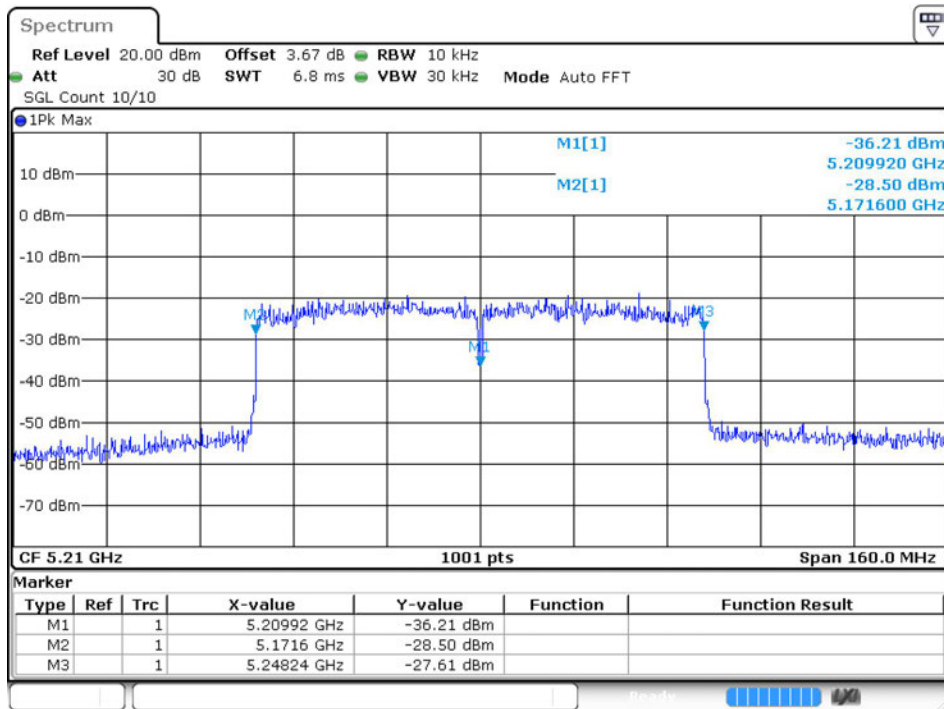


## Freq. Stability -20C 120V ac80 5210MHz Ant1

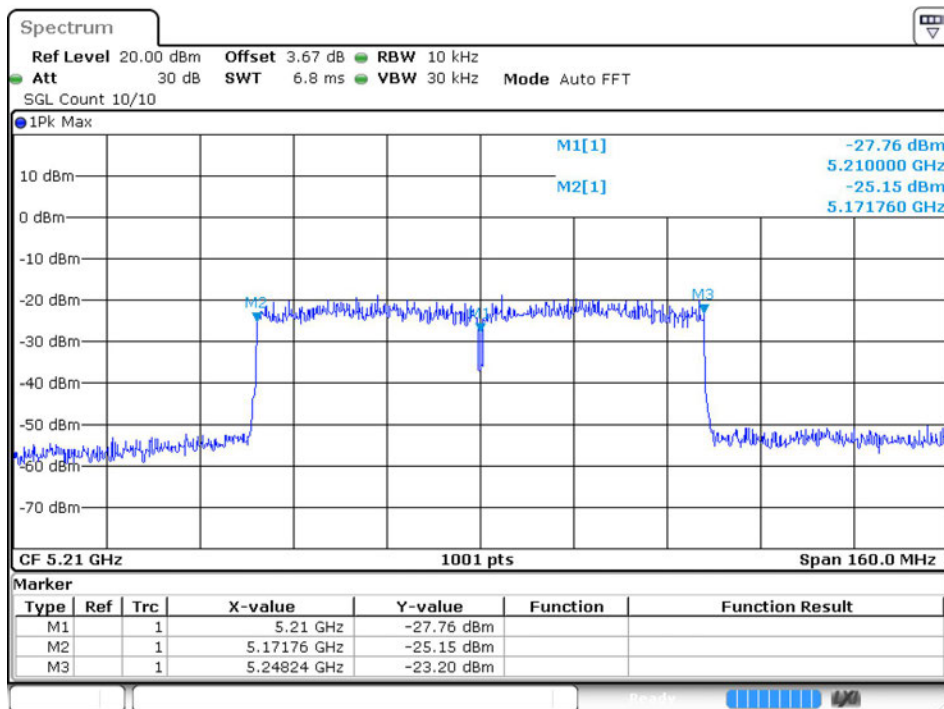




Freq. Stability -10C 120V ac80 5210MHz Ant1

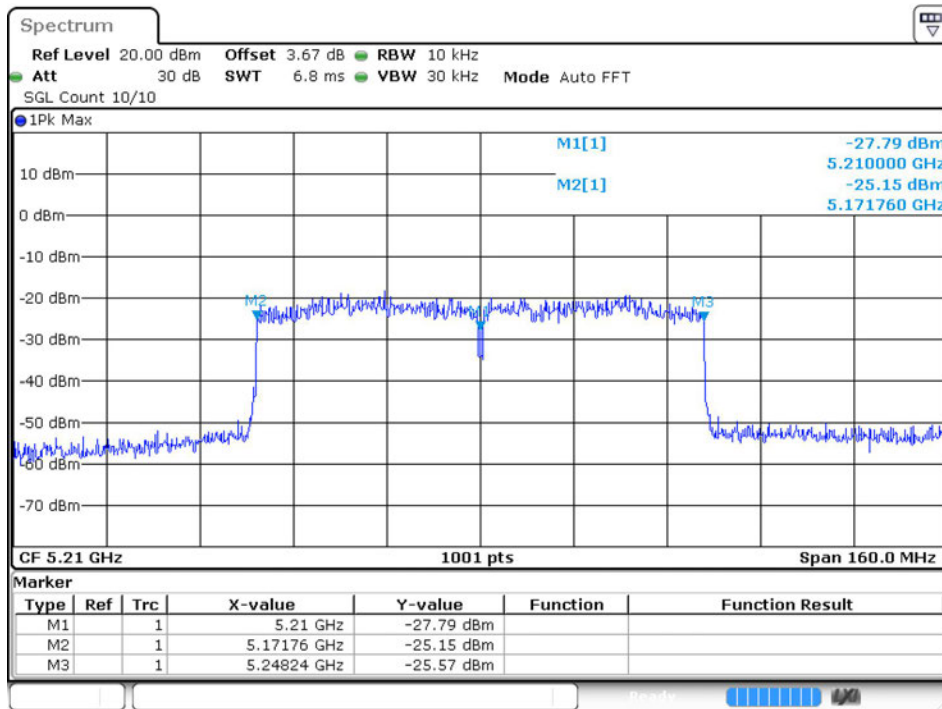


Freq. Stability 0C 120V ac80 5210MHz Ant1

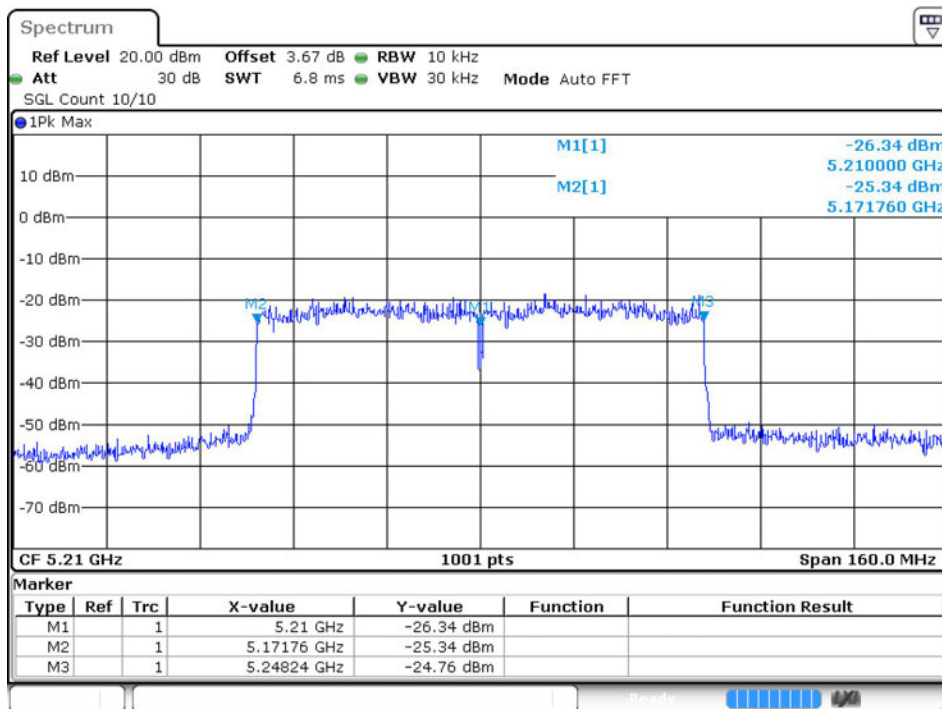




Freq. Stability 10C 120V ac80 5210MHz Ant1

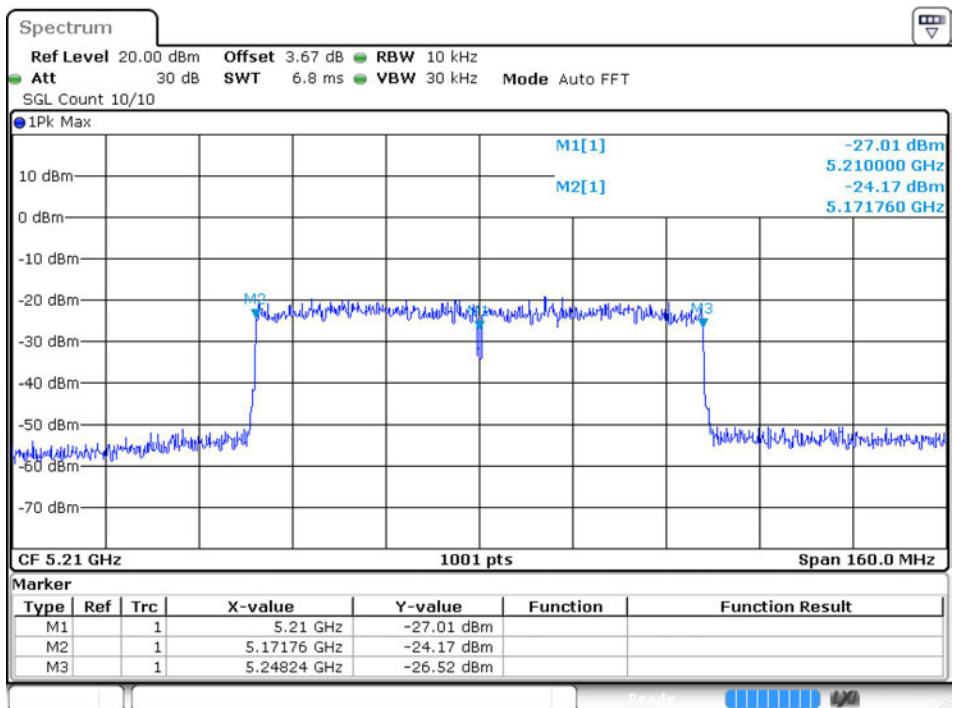


Freq. Stability 30C 120V ac80 5210MHz Ant1

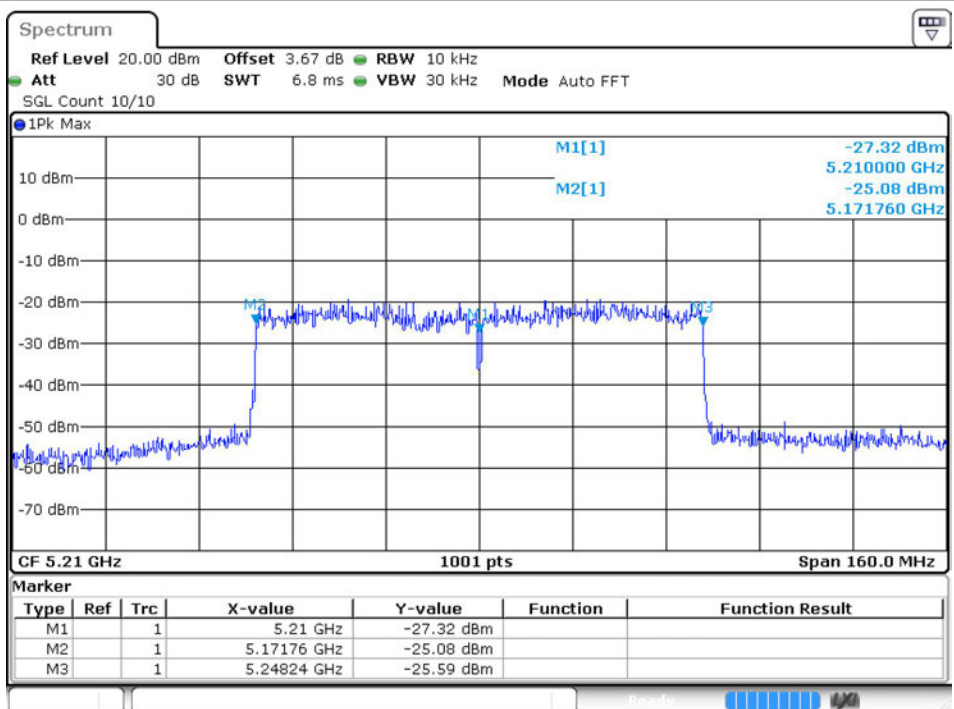




Freq. Stability 40C 120V ac80 5210MHz Ant1



Freq. Stability 50C 120V ac80 5210MHz Ant1





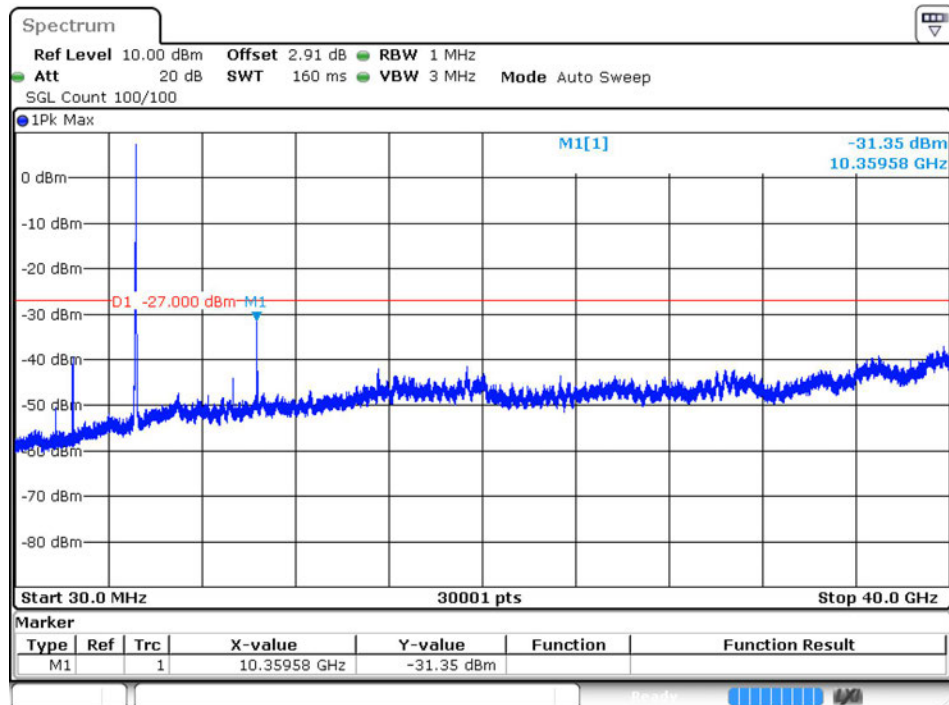
## 8 Conducted RF Spurious Emission

| Mode       | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|------------|-----------------|---------|-----------------|-------------|---------|
| 802.11a    | 5180            | Ant1    | -31.34          | -27         | Pass    |
| 802.11a    | 5200            | Ant1    | -33.31          | -27         | Pass    |
| 802.11a    | 5240            | Ant1    | -33.02          | -27         | Pass    |
| 802.11n20  | 5180            | Ant1    | -33.58          | -27         | Pass    |
| 802.11n20  | 5200            | Ant1    | -33.59          | -27         | Pass    |
| 802.11n20  | 5240            | Ant1    | -34.24          | -27         | Pass    |
| 802.11n40  | 5190            | Ant1    | -37.7           | -27         | Pass    |
| 802.11n40  | 5230            | Ant1    | -36.09          | -27         | Pass    |
| 802.11ac20 | 5180            | Ant1    | -33.19          | -27         | Pass    |
| 802.11ac20 | 5200            | Ant1    | -33.57          | -27         | Pass    |
| 802.11ac20 | 5240            | Ant1    | -34.34          | -27         | Pass    |
| 802.11ac40 | 5190            | Ant1    | -36.7           | -27         | Pass    |
| 802.11ac40 | 5230            | Ant1    | -36.91          | -27         | Pass    |
| 802.11ac80 | 5210            | Ant1    | -37.58          | -27         | Pass    |

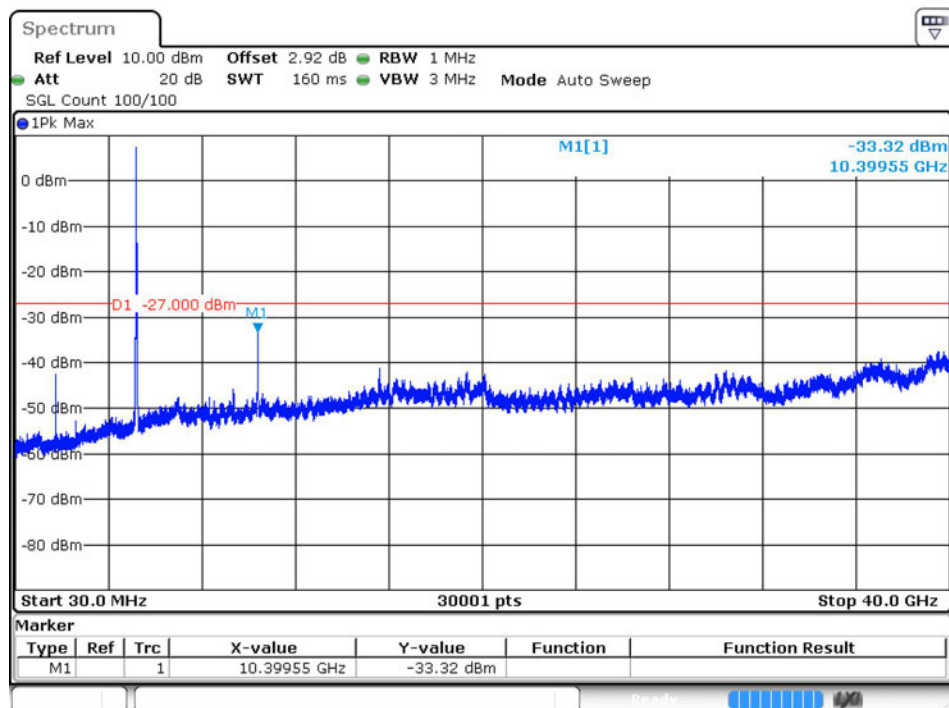


### Test Graphs

#### Tx. Spurious NVNT a 5180MHz Ant1 Emission



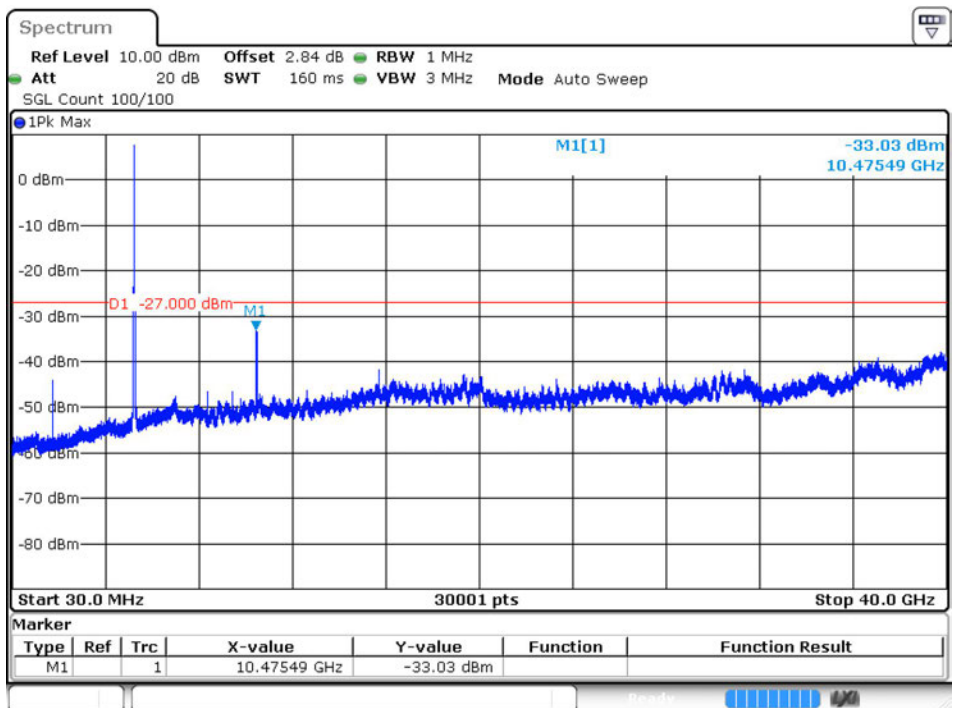
#### Tx. Spurious NVNT a 5200MHz Ant1 Emission



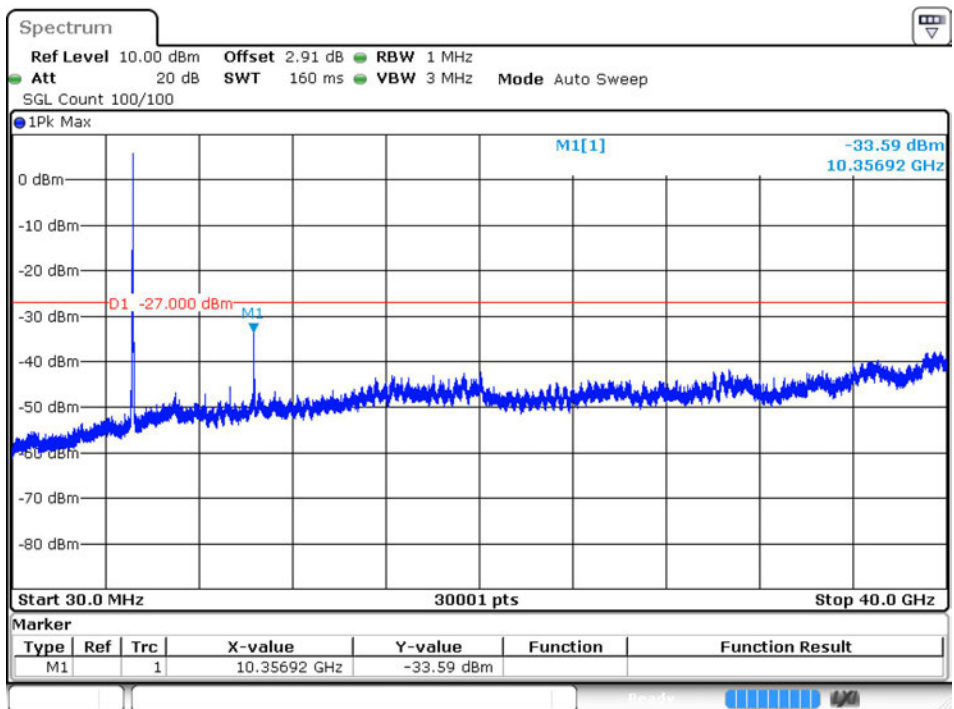




Tx. Spurious NVNT a 5240MHz Ant1 Emission

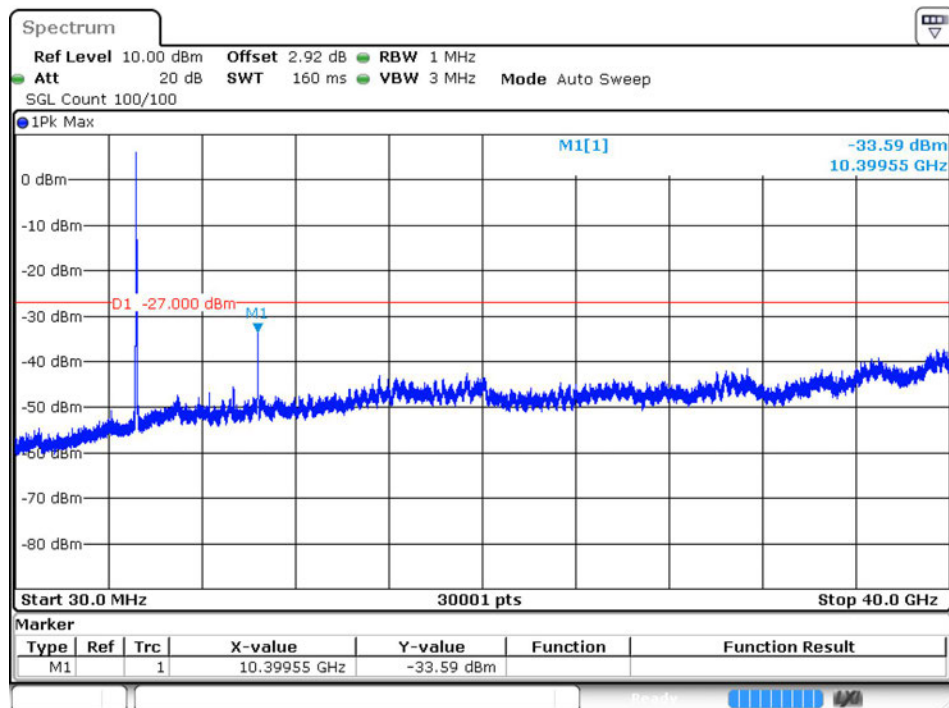


Tx. Spurious NVNT n20 5180MHz Ant1 Emission

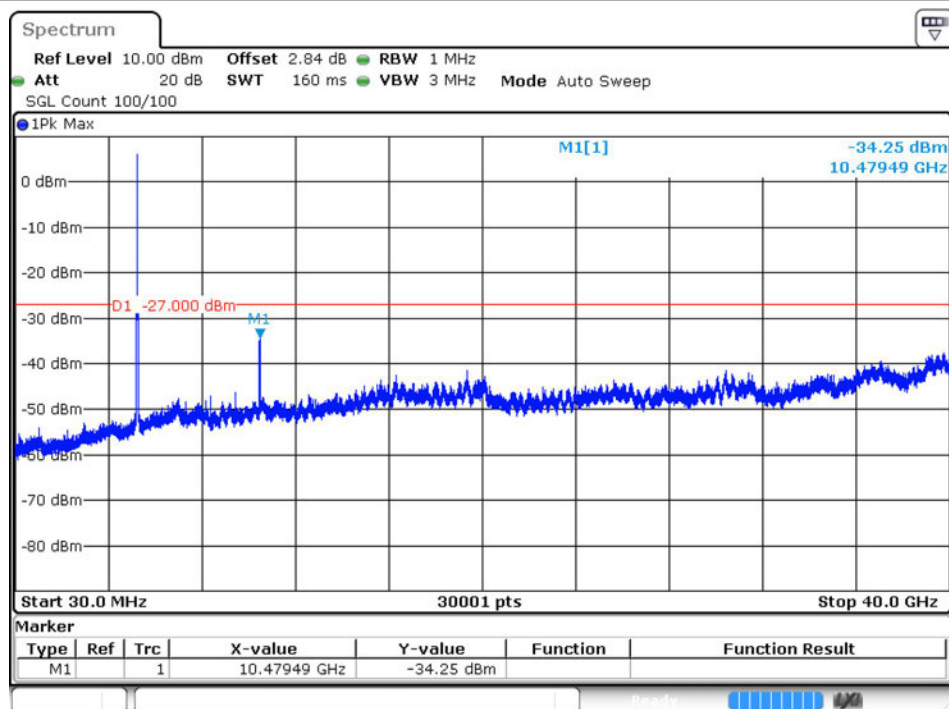




Tx. Spurious NVNT n20 5200MHz Ant1 Emission

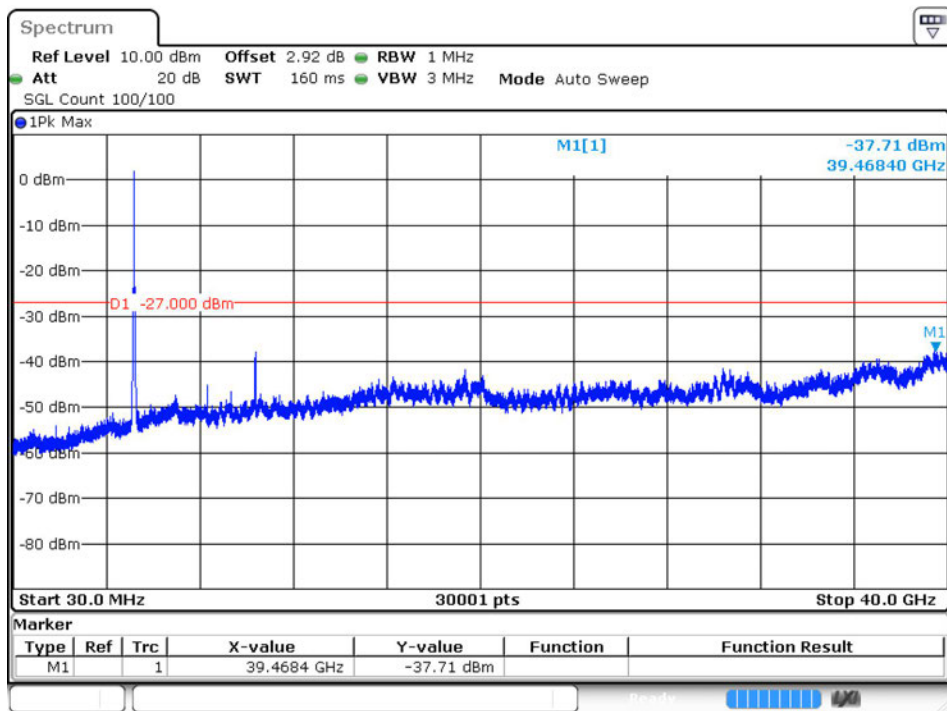


Tx. Spurious NVNT n20 5240MHz Ant1 Emission

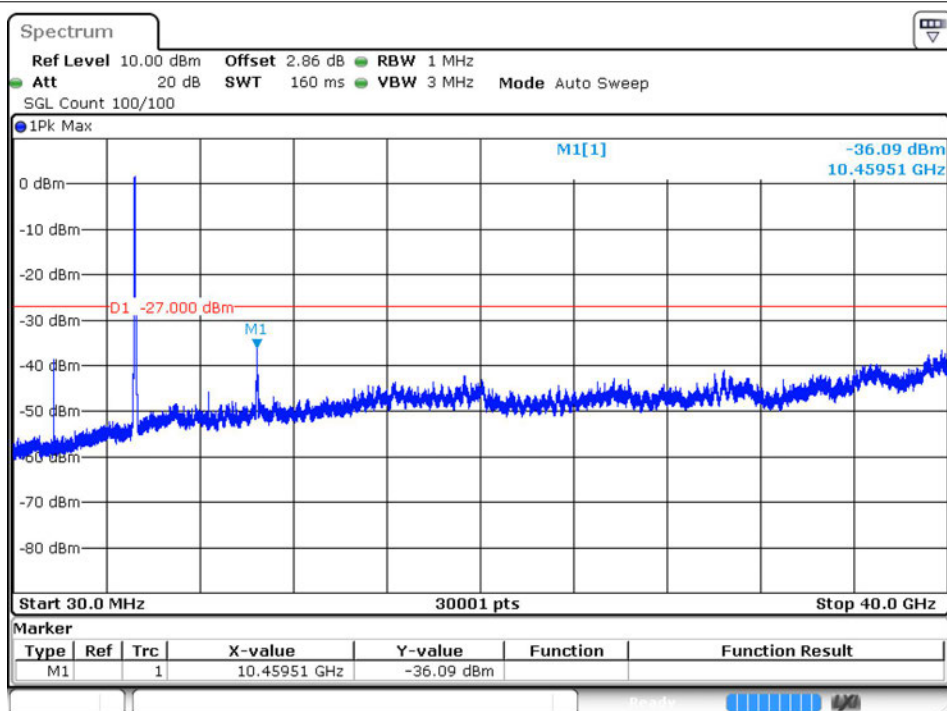




Tx. Spurious NVNT n40 5190MHz Ant1 Emission

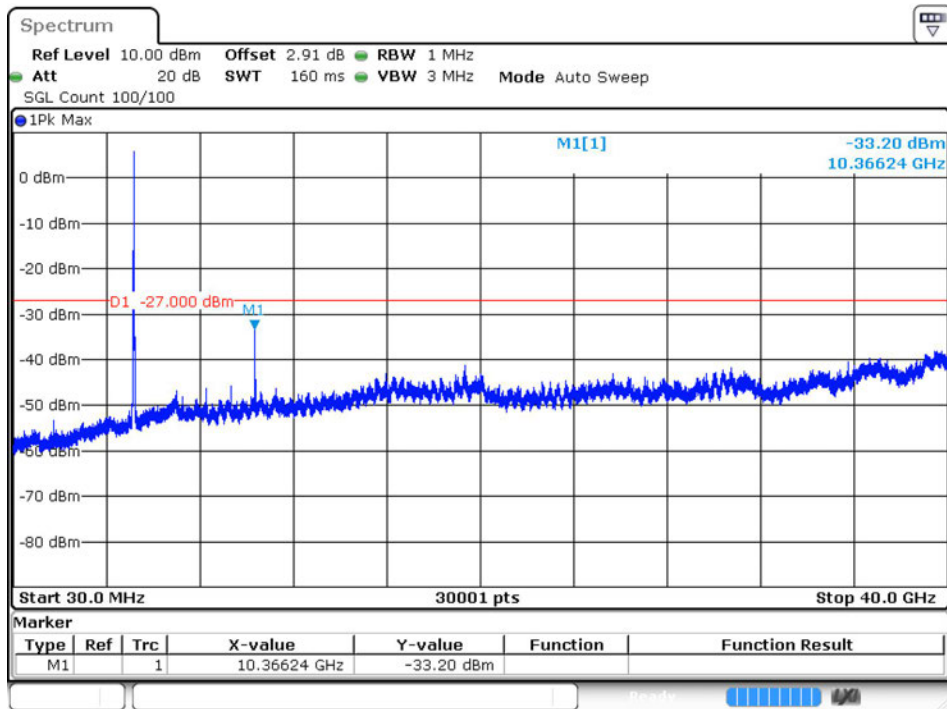


Tx. Spurious NVNT n40 5230MHz Ant1 Emission

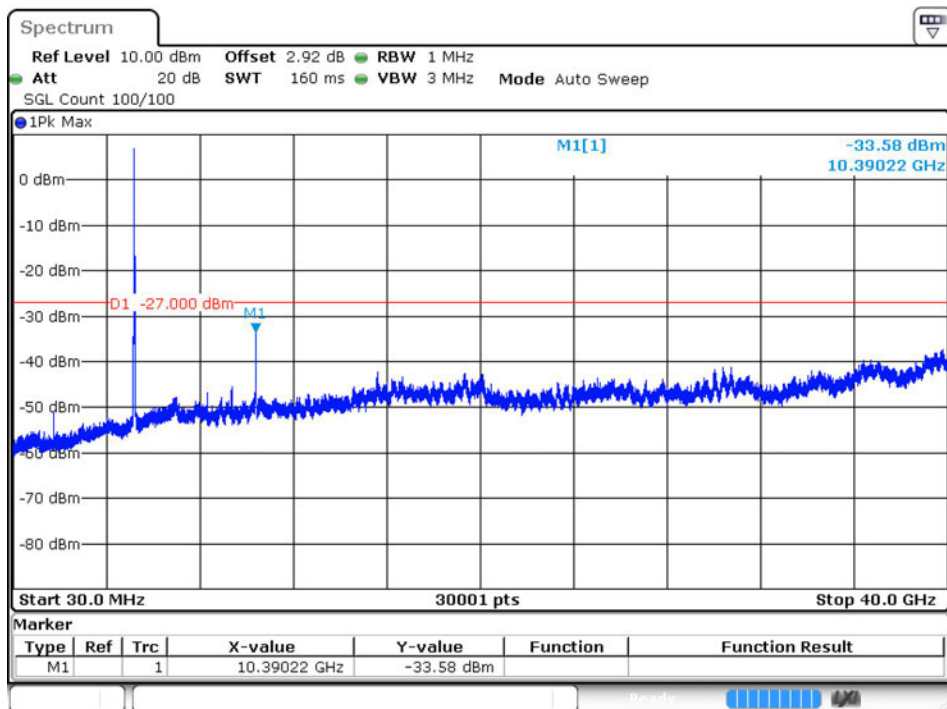




Tx. Spurious NVNT ac20 5180MHz Ant1 Emission

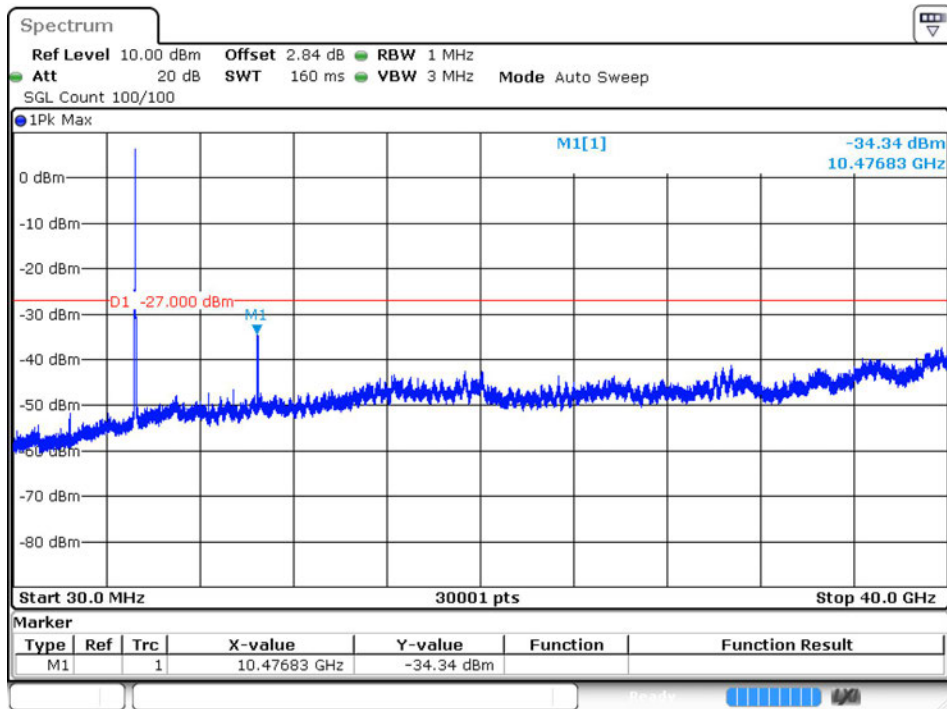


Tx. Spurious NVNT ac20 5200MHz Ant1 Emission

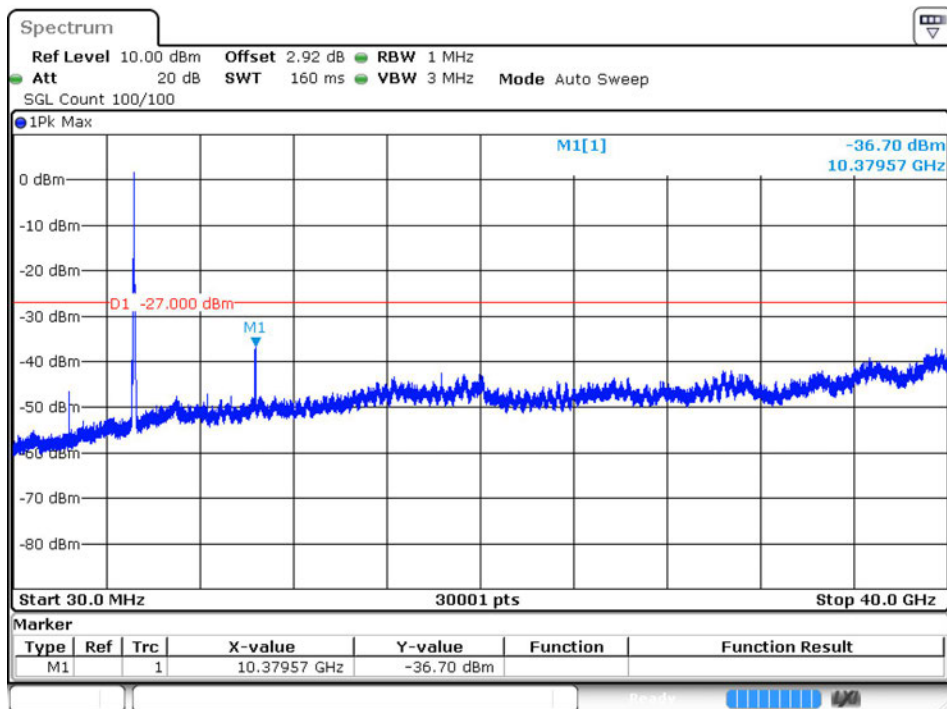




Tx. Spurious NVNT ac20 5240MHz Ant1 Emission

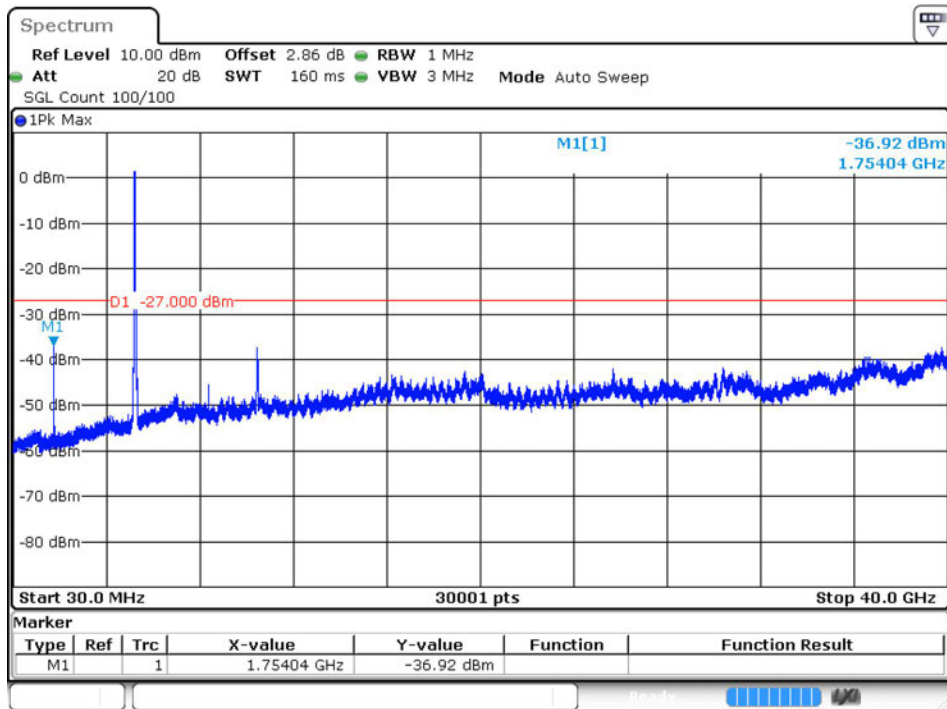


Tx. Spurious NVNT ac40 5190MHz Ant1 Emission

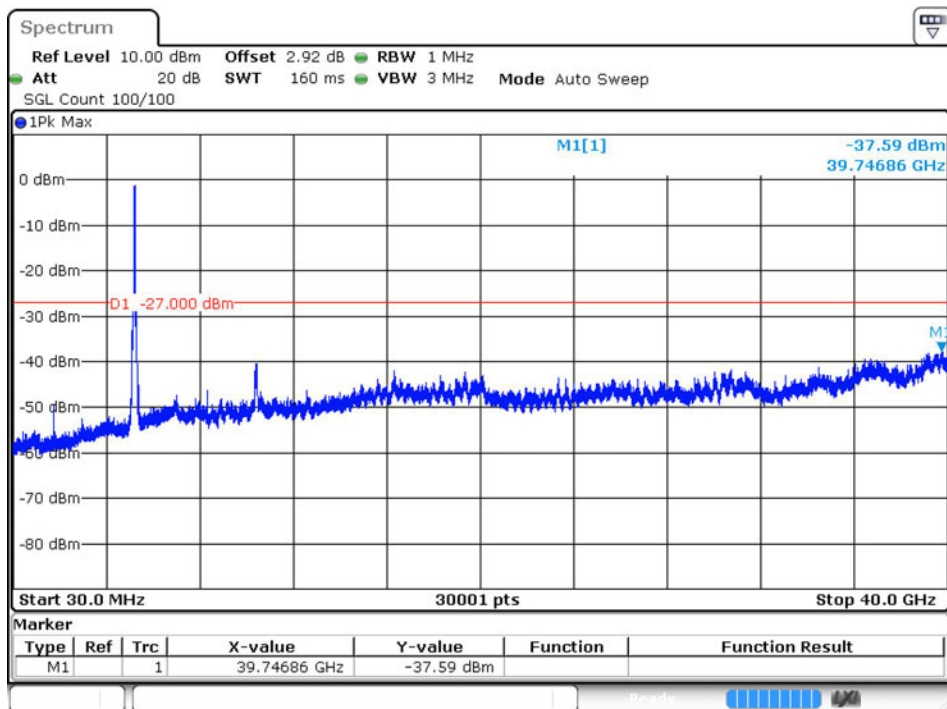




Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



Tx. Spurious NVNT ac80 5210MHz Ant1 Emission







## 9 Restrict Band

| Mode       | Frequency (MHz) | Ant. | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | E (dBUV/m) | Detector | Limit (dBUV/m) | Verdict |
|------------|-----------------|------|-----------------|-------------|------------|------------|----------|----------------|---------|
| 802.11a    | 5180            | Ant1 | 4500            | -45.58      | 2          | 51.65      | Peak     | 68.2           | Pass    |
| 802.11a    | 5180            | Ant1 | 4500            | -56.66      | 2          | 40.57      | Average  | 54             | Pass    |
| 802.11a    | 5180            | Ant1 | 5148.2          | -29.6       | 2          | 67.63      | Peak     | 68.2           | Pass    |
| 802.11a    | 5180            | Ant1 | 5149.6          | -45.88      | 2          | 51.35      | Average  | 54             | Pass    |
| 802.11a    | 5180            | Ant1 | 5150            | -33.91      | 2          | 63.32      | Peak     | 68.2           | Pass    |
| 802.11a    | 5180            | Ant1 | 5150            | -45.52      | 2          | 51.71      | Average  | 54             | Pass    |
| 802.11a    | 5240            | Ant1 | 5350            | -46.91      | 2          | 50.32      | Peak     | 68.2           | Pass    |
| 802.11a    | 5240            | Ant1 | 5350            | -54.97      | 2          | 42.26      | Average  | 54             | Pass    |
| 802.11a    | 5240            | Ant1 | 5422.8          | -42.38      | 2          | 54.85      | Peak     | 68.2           | Pass    |
| 802.11a    | 5240            | Ant1 | 5449.44         | -53.06      | 2          | 44.17      | Average  | 54             | Pass    |
| 802.11a    | 5240            | Ant1 | 5460            | -47.91      | 2          | 49.32      | Peak     | 68.2           | Pass    |
| 802.11a    | 5240            | Ant1 | 5460            | -55.02      | 2          | 42.21      | Average  | 54             | Pass    |
| 802.11n20  | 5180            | Ant1 | 4500            | -46.48      | 2          | 50.75      | Peak     | 68.2           | Pass    |
| 802.11n20  | 5180            | Ant1 | 4500            | -55.91      | 2          | 41.32      | Average  | 54             | Pass    |
| 802.11n20  | 5180            | Ant1 | 5146.8          | -35.39      | 2          | 61.84      | Peak     | 68.2           | Pass    |
| 802.11n20  | 5180            | Ant1 | 5149.6          | -47.18      | 2          | 50.05      | Average  | 54             | Pass    |
| 802.11n20  | 5180            | Ant1 | 5150            | -33.51      | 2          | 63.72      | Peak     | 68.2           | Pass    |
| 802.11n20  | 5180            | Ant1 | 5150            | -46.67      | 2          | 50.56      | Average  | 54             | Pass    |
| 802.11n20  | 5240            | Ant1 | 5350            | -45.15      | 2          | 52.08      | Peak     | 68.2           | Pass    |
| 802.11n20  | 5240            | Ant1 | 5350            | -55.27      | 2          | 41.96      | Average  | 54             | Pass    |
| 802.11n20  | 5240            | Ant1 | 5457.84         | -41.91      | 2          | 55.32      | Peak     | 68.2           | Pass    |
| 802.11n20  | 5240            | Ant1 | 5446.56         | -53.07      | 2          | 44.16      | Average  | 54             | Pass    |
| 802.11n20  | 5240            | Ant1 | 5460            | -46.29      | 2          | 50.94      | Peak     | 68.2           | Pass    |
| 802.11n20  | 5240            | Ant1 | 5460            | -54.88      | 2          | 42.35      | Average  | 54             | Pass    |
| 802.11n40  | 5190            | Ant1 | 4500            | -45.4       | 2          | 51.83      | Peak     | 68.2           | Pass    |
| 802.11n40  | 5190            | Ant1 | 4500            | -56.29      | 2          | 40.94      | Average  | 54             | Pass    |
| 802.11n40  | 5190            | Ant1 | 5148.97         | -31.24      | 2          | 65.99      | Peak     | 68.2           | Pass    |
| 802.11n40  | 5190            | Ant1 | 5148.97         | -46.3       | 2          | 50.93      | Average  | 54             | Pass    |
| 802.11n40  | 5190            | Ant1 | 5150            | -31.53      | 2          | 65.7       | Peak     | 68.2           | Pass    |
| 802.11n40  | 5190            | Ant1 | 5150            | -46.09      | 2          | 51.14      | Average  | 54             | Pass    |
| 802.11n40  | 5230            | Ant1 | 5350            | -46.36      | 2          | 50.87      | Peak     | 68.2           | Pass    |
| 802.11n40  | 5230            | Ant1 | 5350            | -54.68      | 2          | 42.55      | Average  | 54             | Pass    |
| 802.11n40  | 5230            | Ant1 | 5451.36         | -43.39      | 2          | 53.84      | Peak     | 68.2           | Pass    |
| 802.11n40  | 5230            | Ant1 | 5448.93         | -52.82      | 2          | 44.41      | Average  | 54             | Pass    |
| 802.11n40  | 5230            | Ant1 | 5460            | -46.47      | 2          | 50.76      | Peak     | 68.2           | Pass    |
| 802.11n40  | 5230            | Ant1 | 5460            | -54.48      | 2          | 42.75      | Average  | 54             | Pass    |
| 802.11ac20 | 5180            | Ant1 | 4500            | -45.32      | 2          | 51.91      | Peak     | 68.2           | Pass    |
| 802.11ac20 | 5180            | Ant1 | 4500            | -56.69      | 2          | 40.54      | Average  | 54             | Pass    |

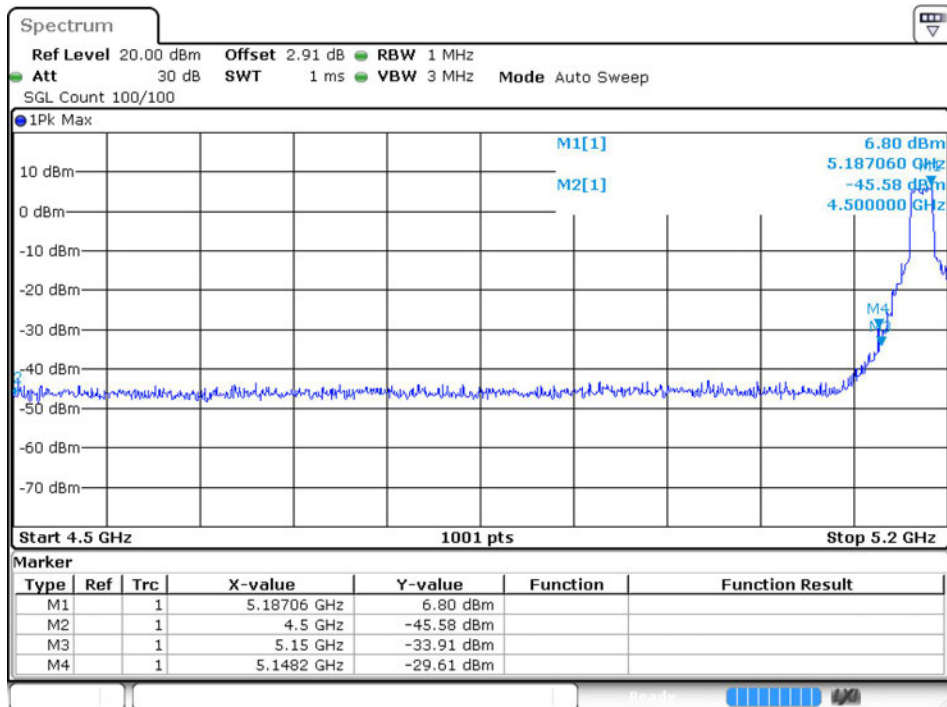


|            |      |      |         |        |   |       |         |      |      |
|------------|------|------|---------|--------|---|-------|---------|------|------|
| 802.11ac20 | 5180 | Ant1 | 5147.5  | -34.43 | 2 | 62.8  | Peak    | 68.2 | Pass |
| 802.11ac20 | 5180 | Ant1 | 5149.6  | -48.53 | 2 | 48.7  | Average | 54   | Pass |
| 802.11ac20 | 5180 | Ant1 | 5150    | -34.07 | 2 | 63.16 | Peak    | 68.2 | Pass |
| 802.11ac20 | 5180 | Ant1 | 5150    | -48.22 | 2 | 49.01 | Average | 54   | Pass |
| 802.11ac20 | 5240 | Ant1 | 5350    | -46.82 | 2 | 50.41 | Peak    | 68.2 | Pass |
| 802.11ac20 | 5240 | Ant1 | 5350    | -55.42 | 2 | 41.81 | Average | 54   | Pass |
| 802.11ac20 | 5240 | Ant1 | 5423.76 | -43.6  | 2 | 53.63 | Peak    | 68.2 | Pass |
| 802.11ac20 | 5240 | Ant1 | 5448.24 | -53.24 | 2 | 43.99 | Average | 54   | Pass |
| 802.11ac20 | 5240 | Ant1 | 5460    | -45.42 | 2 | 51.81 | Peak    | 68.2 | Pass |
| 802.11ac20 | 5240 | Ant1 | 5460    | -55    | 2 | 42.23 | Average | 54   | Pass |
| 802.11ac40 | 5190 | Ant1 | 4500    | -47.29 | 2 | 49.94 | Peak    | 68.2 | Pass |
| 802.11ac40 | 5190 | Ant1 | 4500    | -56.13 | 2 | 41.1  | Average | 54   | Pass |
| 802.11ac40 | 5190 | Ant1 | 5147.51 | -31.49 | 2 | 65.74 | Peak    | 68.2 | Pass |
| 802.11ac40 | 5190 | Ant1 | 5149.7  | -46.04 | 2 | 51.19 | Average | 54   | Pass |
| 802.11ac40 | 5190 | Ant1 | 5150    | -32.98 | 2 | 64.25 | Peak    | 68.2 | Pass |
| 802.11ac40 | 5190 | Ant1 | 5150    | -46.34 | 2 | 50.89 | Average | 54   | Pass |
| 802.11ac40 | 5230 | Ant1 | 5350    | -45.22 | 2 | 52.01 | Peak    | 68.2 | Pass |
| 802.11ac40 | 5230 | Ant1 | 5350    | -54.94 | 2 | 42.29 | Average | 54   | Pass |
| 802.11ac40 | 5230 | Ant1 | 5440.56 | -43.68 | 2 | 53.55 | Peak    | 68.2 | Pass |
| 802.11ac40 | 5230 | Ant1 | 5447.85 | -52.74 | 2 | 44.49 | Average | 54   | Pass |
| 802.11ac40 | 5230 | Ant1 | 5460    | -45.33 | 2 | 51.9  | Peak    | 68.2 | Pass |
| 802.11ac40 | 5230 | Ant1 | 5460    | -54.17 | 2 | 43.06 | Average | 54   | Pass |
| 802.11ac80 | 5210 | Ant1 | 4500    | -47.61 | 2 | 49.62 | Peak    | 68.2 | Pass |
| 802.11ac80 | 5210 | Ant1 | 4500    | -55.09 | 2 | 42.14 | Average | 54   | Pass |
| 802.11ac80 | 5210 | Ant1 | 5115.41 | -30.28 | 2 | 66.95 | Peak    | 68.2 | Pass |
| 802.11ac80 | 5210 | Ant1 | 5147.8  | -45.79 | 2 | 51.44 | Average | 54   | Pass |
| 802.11ac80 | 5210 | Ant1 | 5150    | -35.02 | 2 | 62.21 | Peak    | 68.2 | Pass |
| 802.11ac80 | 5210 | Ant1 | 5150    | -44.77 | 2 | 52.46 | Average | 54   | Pass |

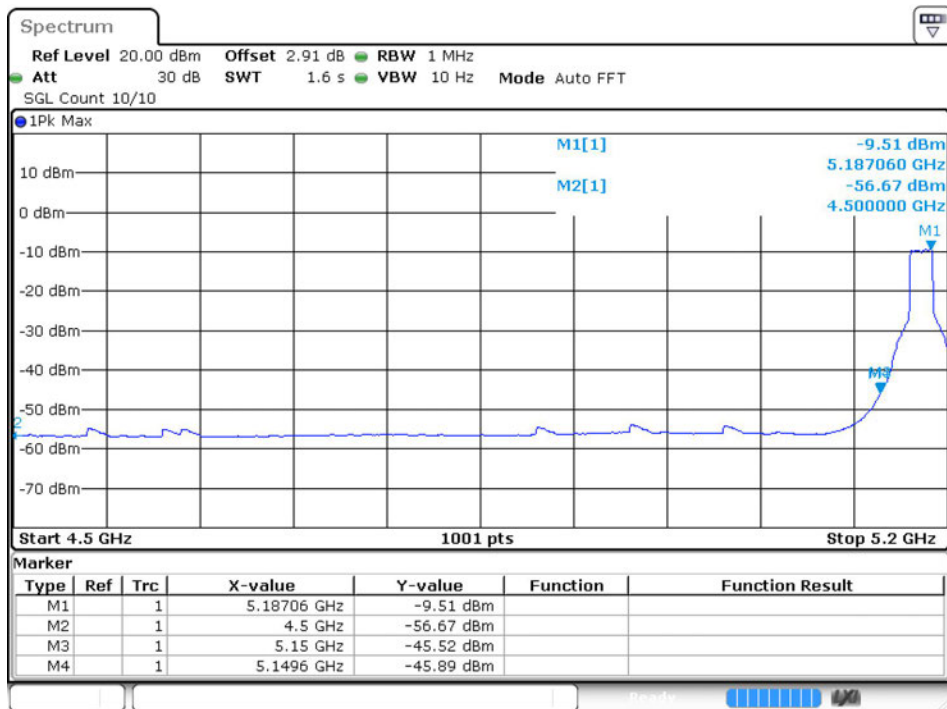


## Test Graphs

## Restrict Band NVNT a 5180MHz Ant1 Peak

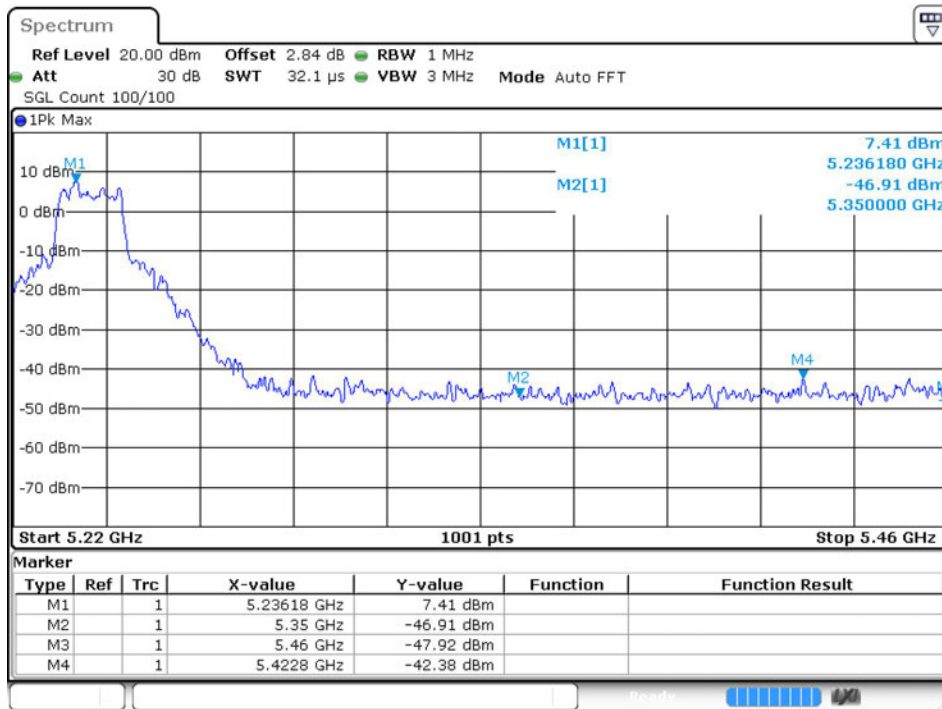


## Restrict Band NVNT a 5180MHz Ant1 Average

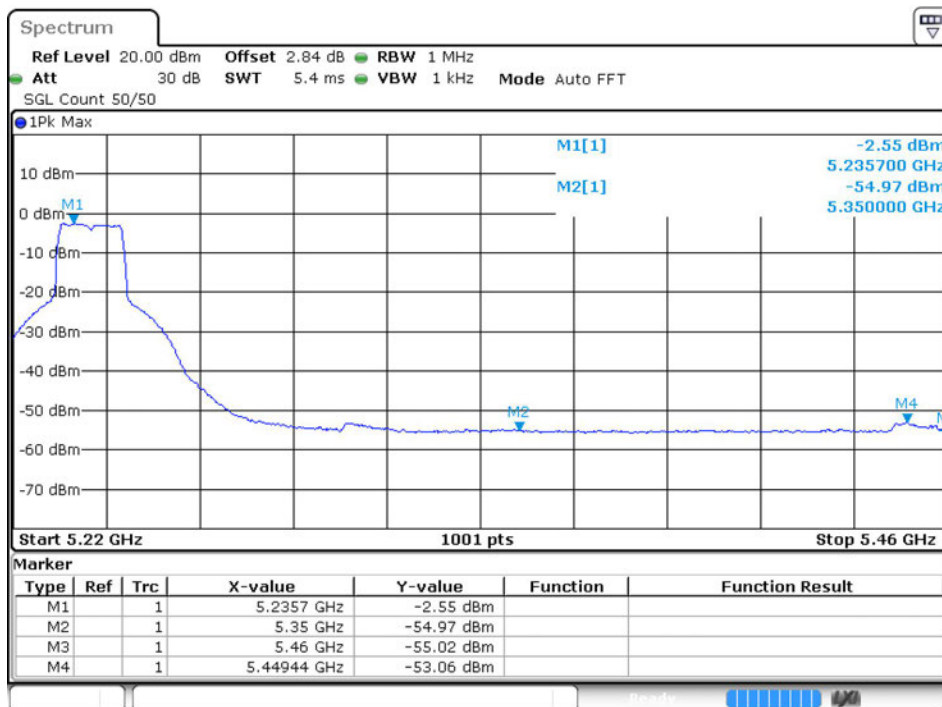




## Restrict Band NVNT a 5240MHz Ant1 Peak

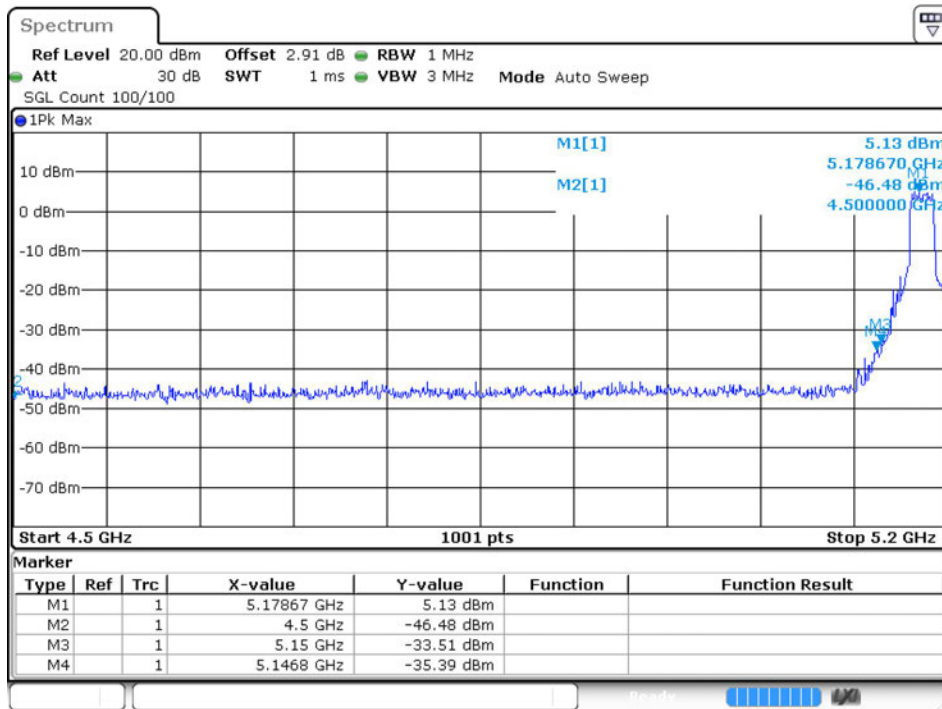


## Restrict Band NVNT a 5240MHz Ant1 Average

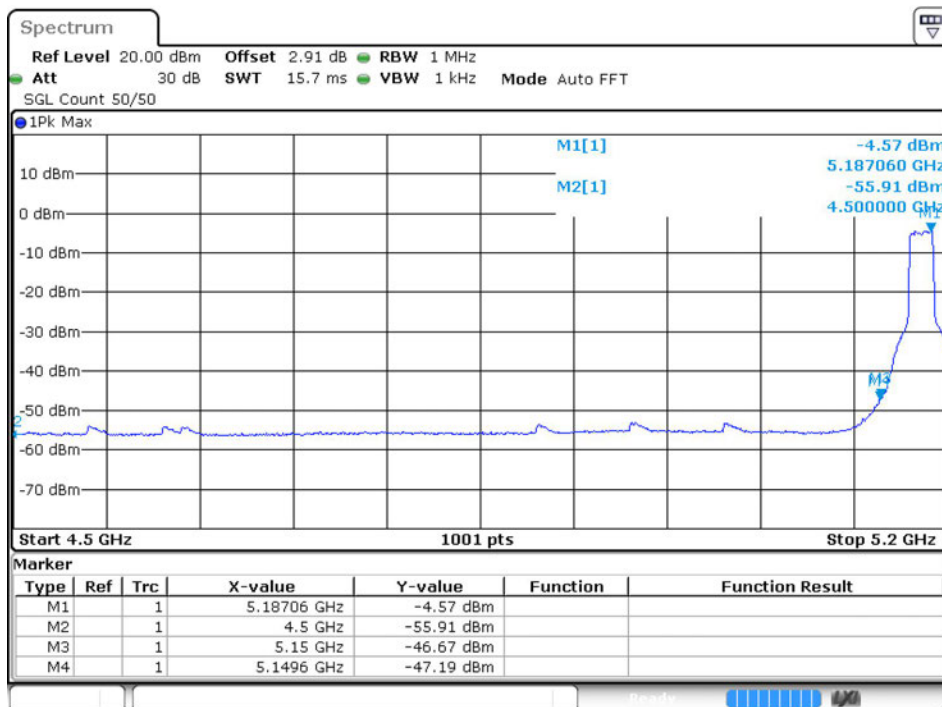




## Restrict Band NVNT n20 5180MHz Ant1 Peak

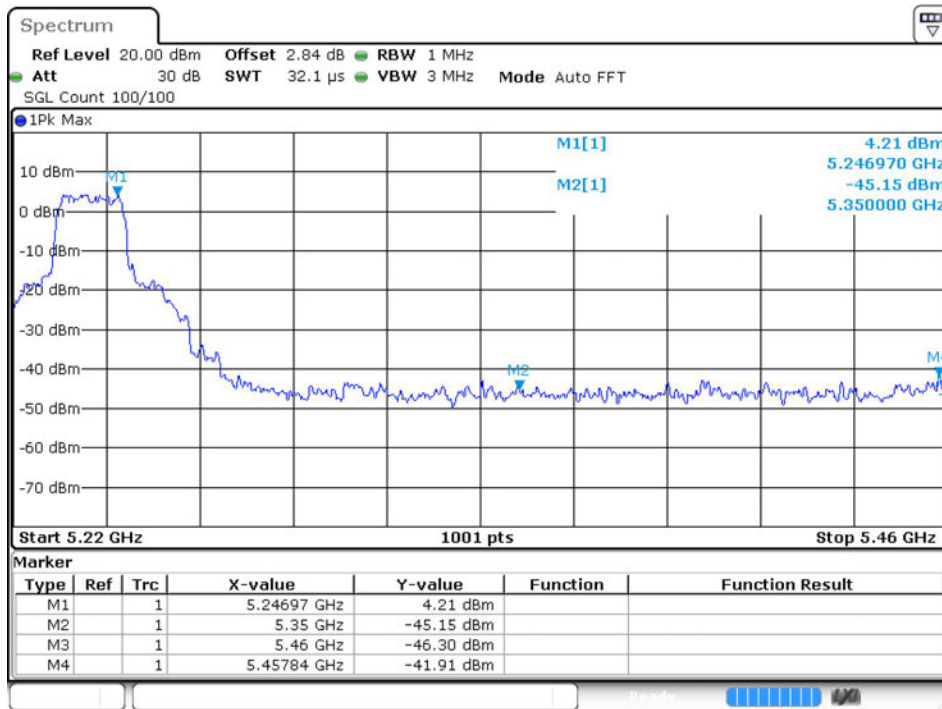


## Restrict Band NVNT n20 5180MHz Ant1 Average

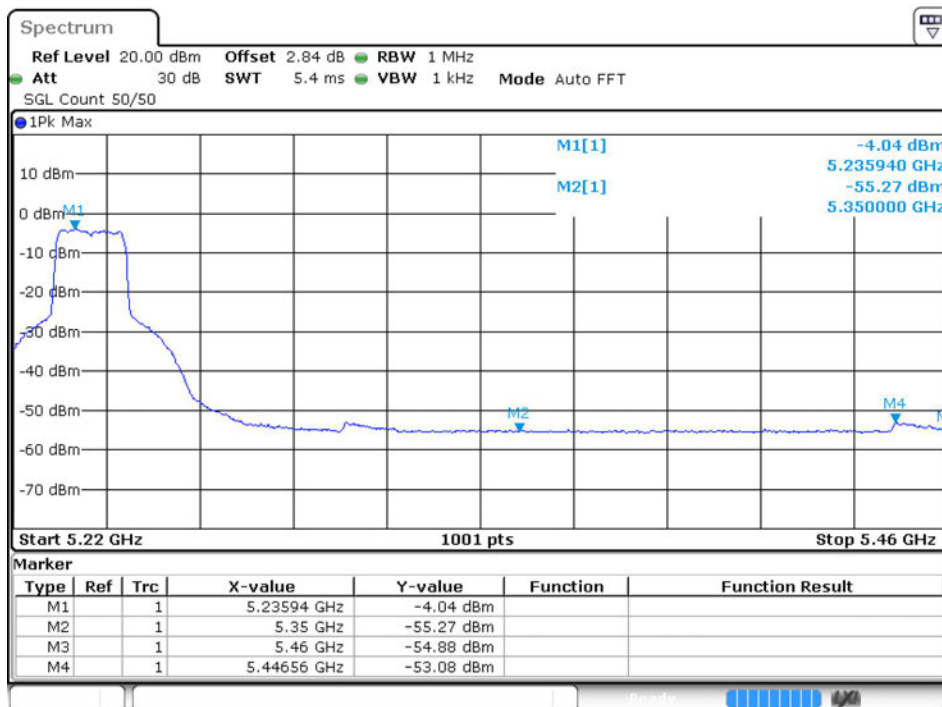




## Restrict Band NVNT n20 5240MHz Ant1 Peak



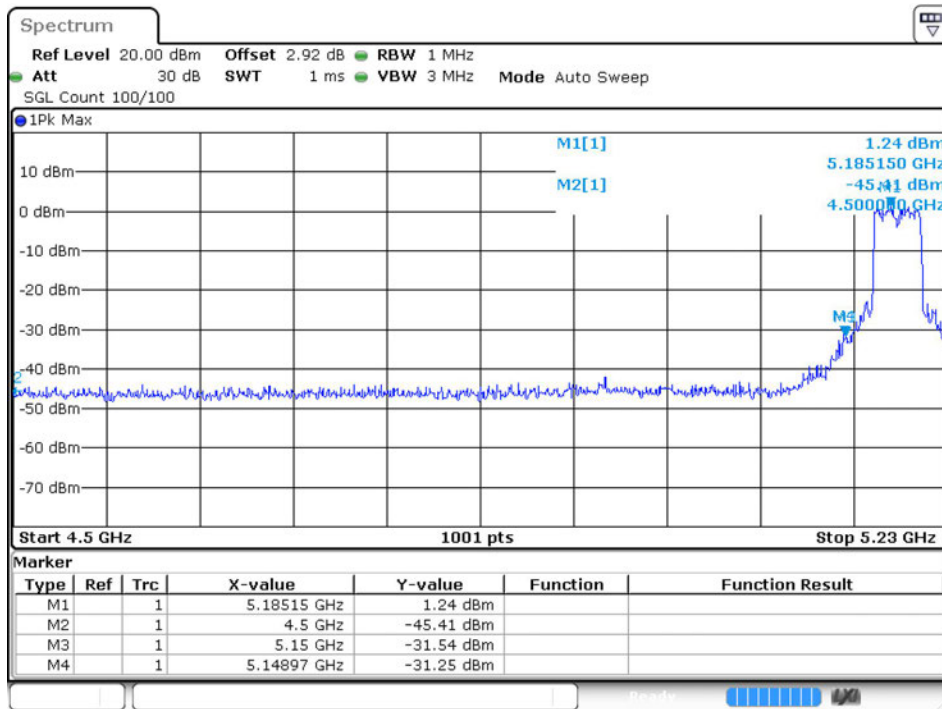
## Restrict Band NVNT n20 5240MHz Ant1 Average



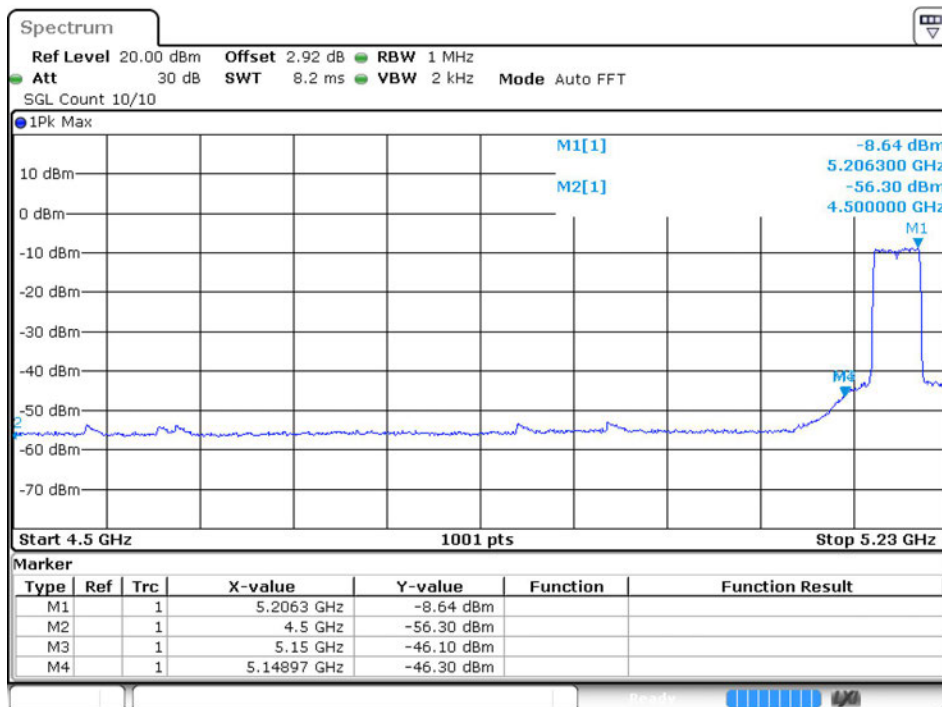




## Restrict Band NVNT n40 5190MHz Ant1 Peak

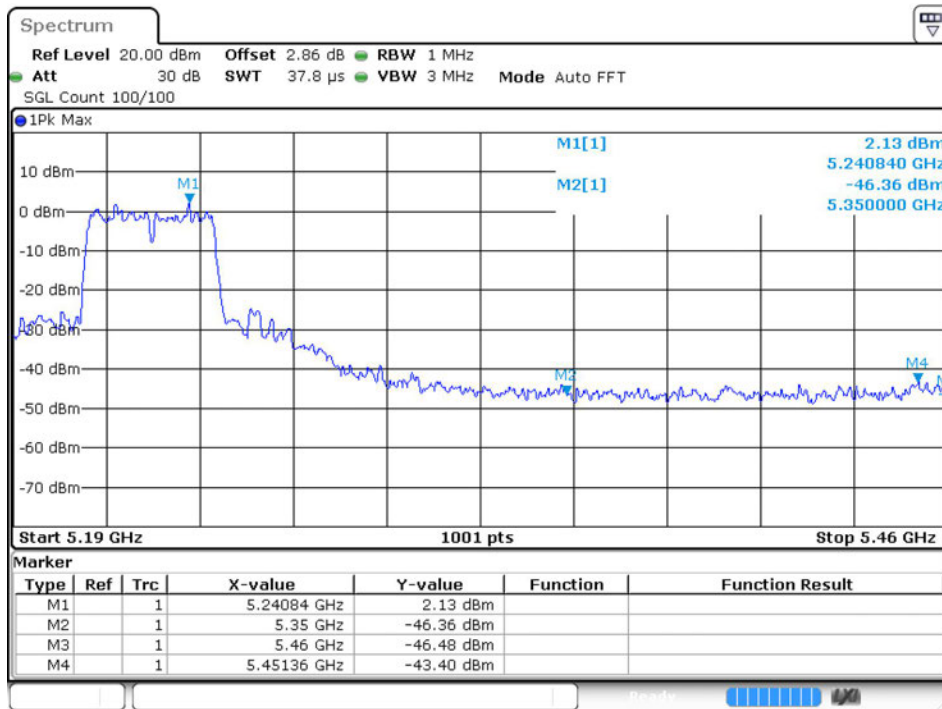


## Restrict Band NVNT n40 5190MHz Ant1 Average

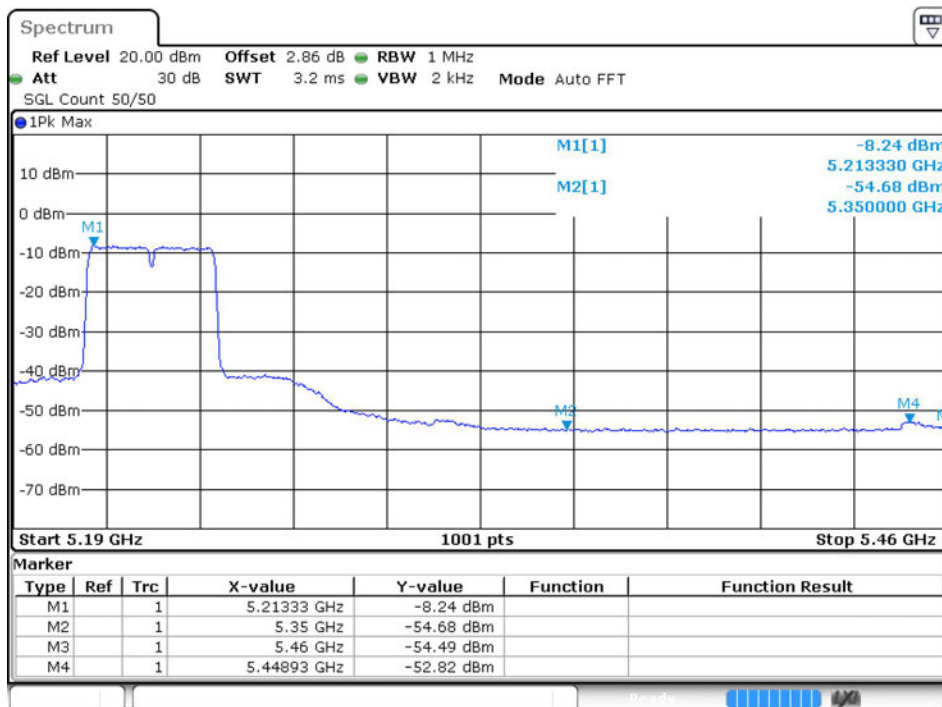




## Restrict Band NVNT n40 5230MHz Ant1 Peak

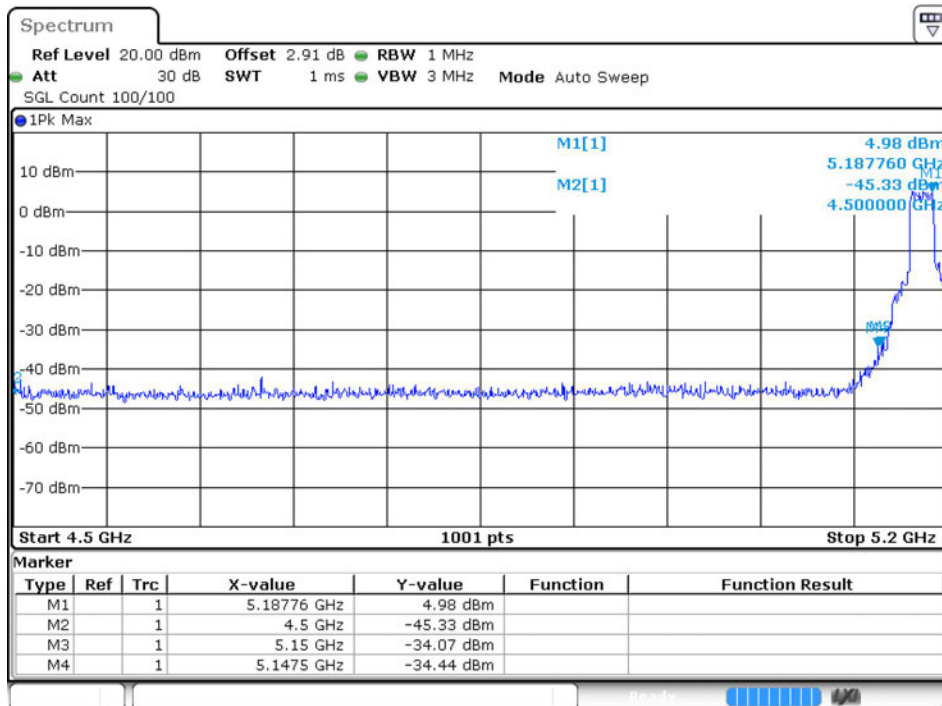


## Restrict Band NVNT n40 5230MHz Ant1 Average

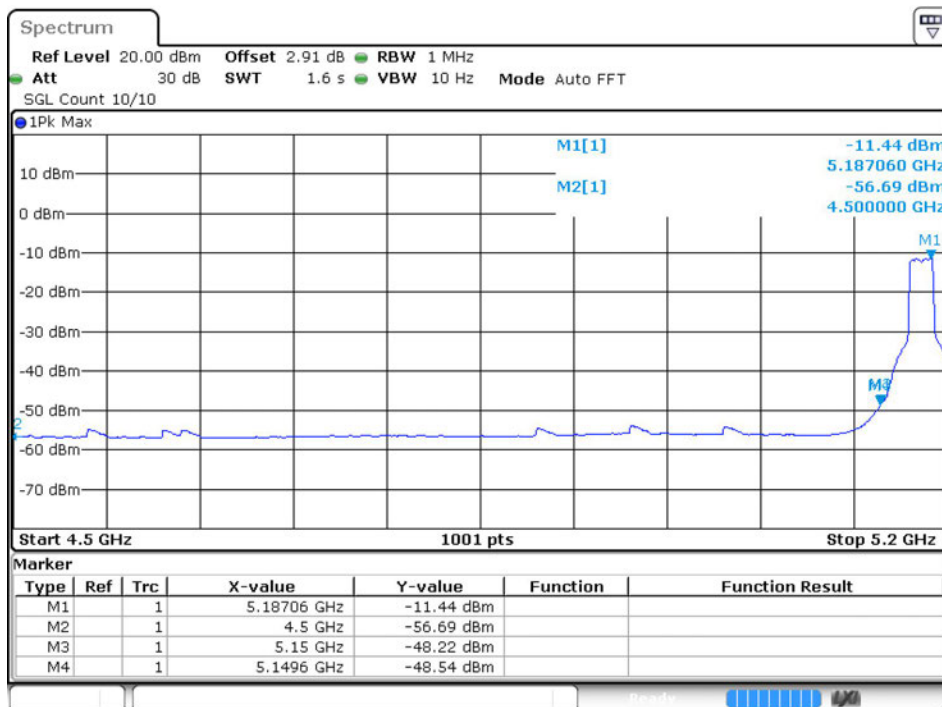




### Restrict Band NVNT ac20 5180MHz Ant1 Peak

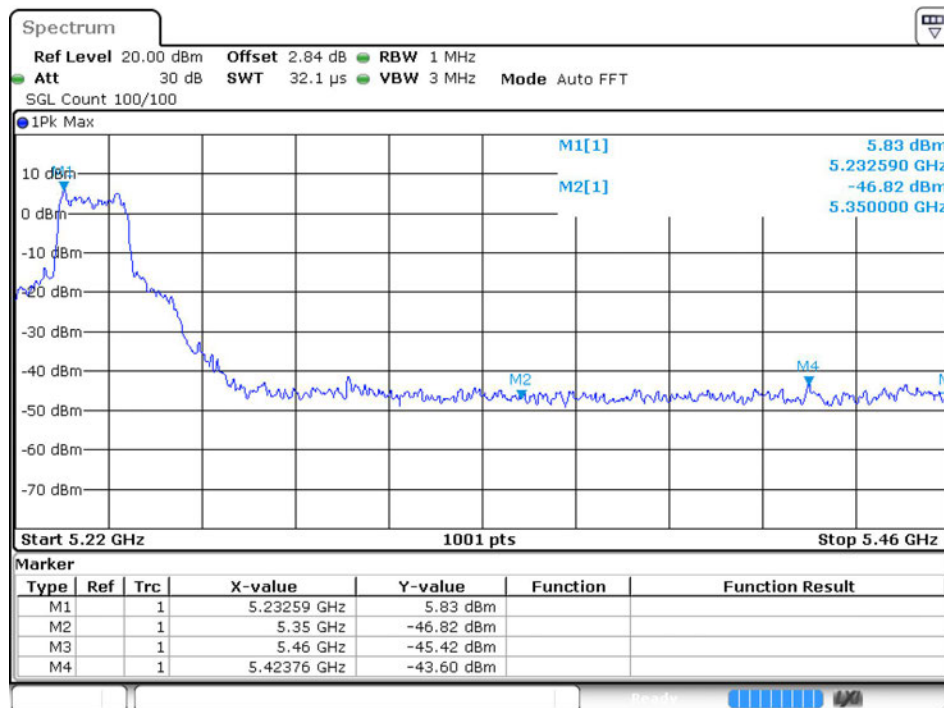


### Restrict Band NVNT ac20 5180MHz Ant1 Average

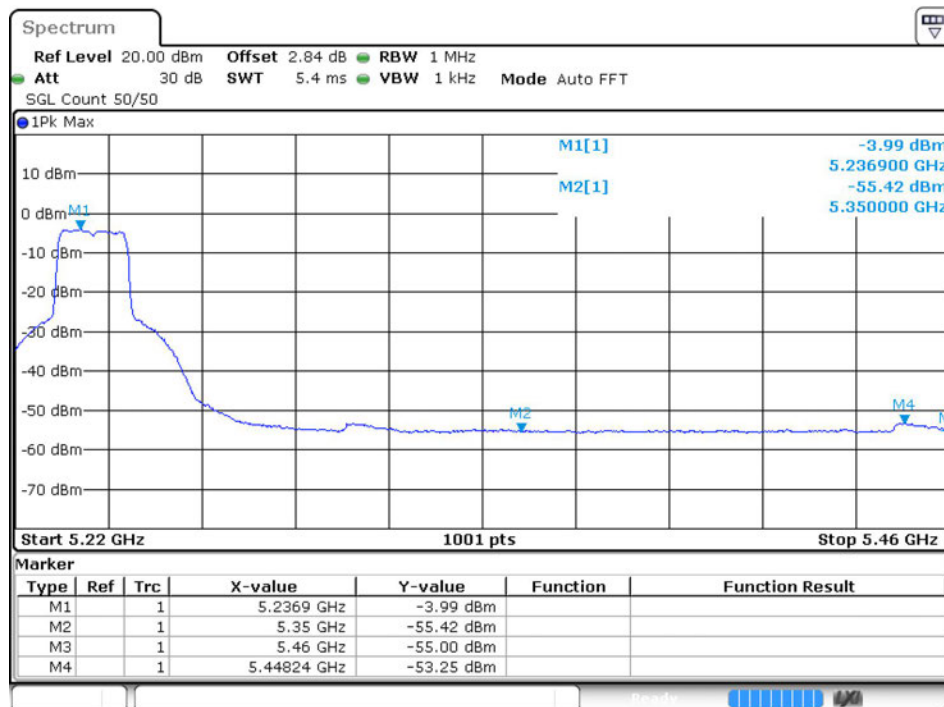




## Restrict Band NVNT ac20 5240MHz Ant1 Peak

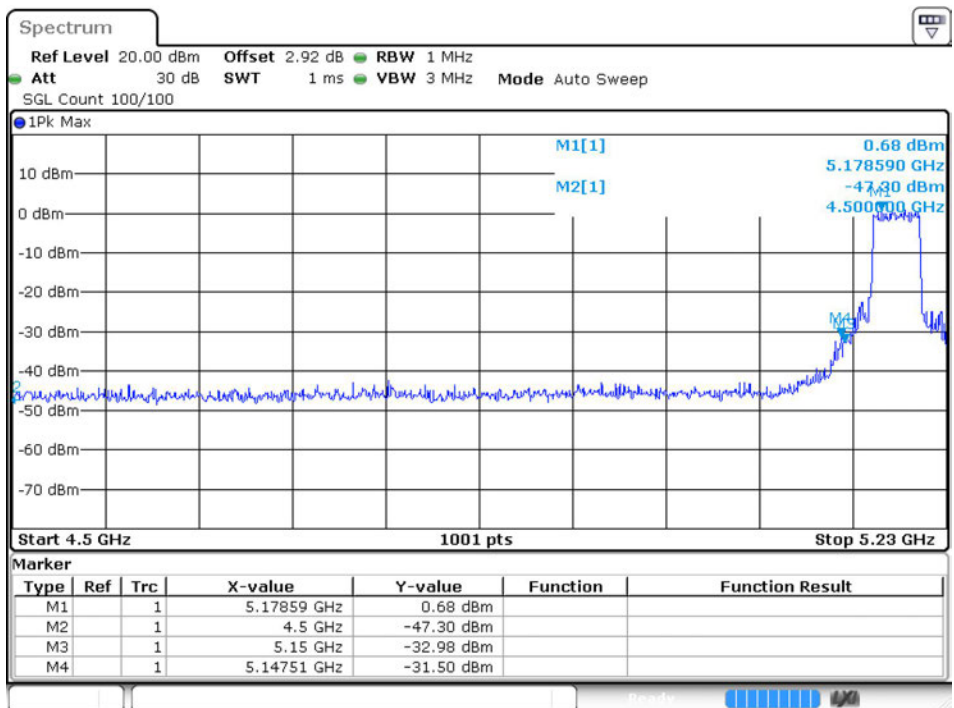


## Restrict Band NVNT ac20 5240MHz Ant1 Average

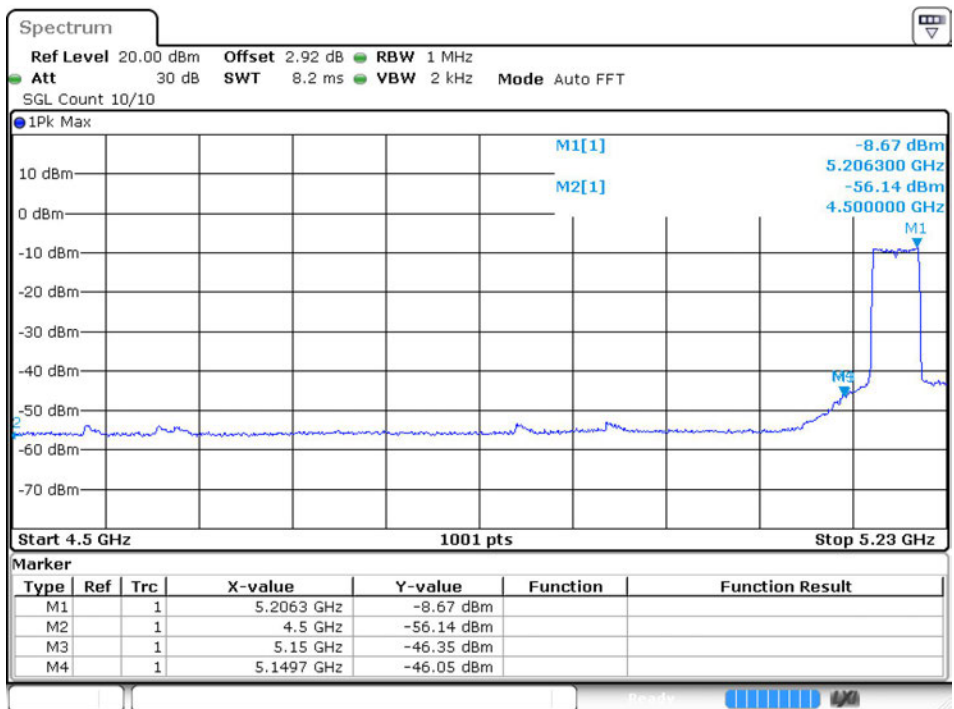




Restrict Band NVNT ac40 5190MHz Ant1 Peak

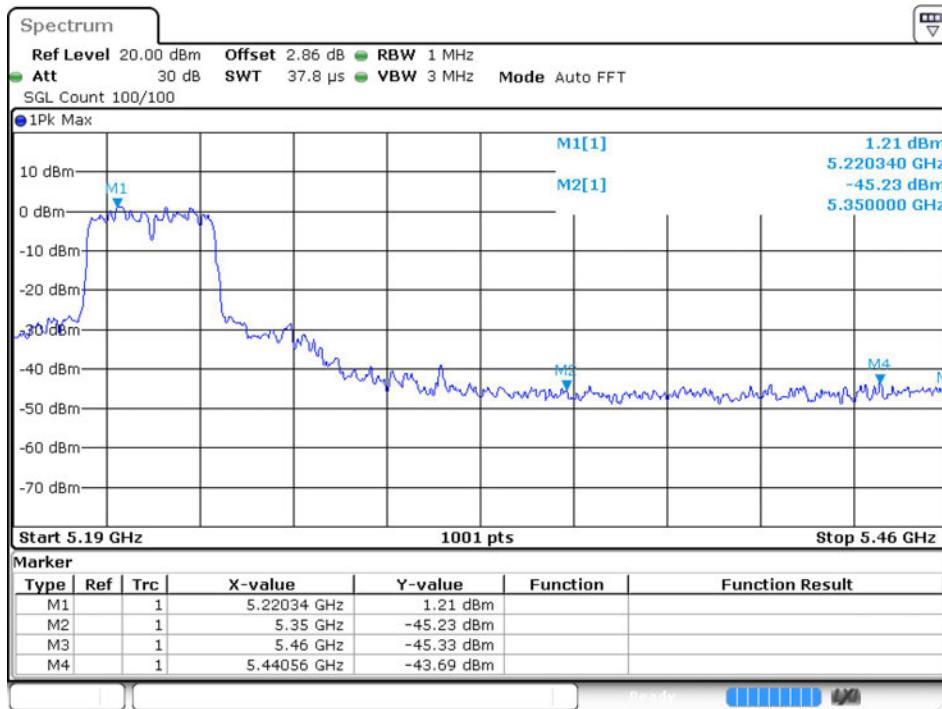


Restrict Band NVNT ac40 5190MHz Ant1 Average

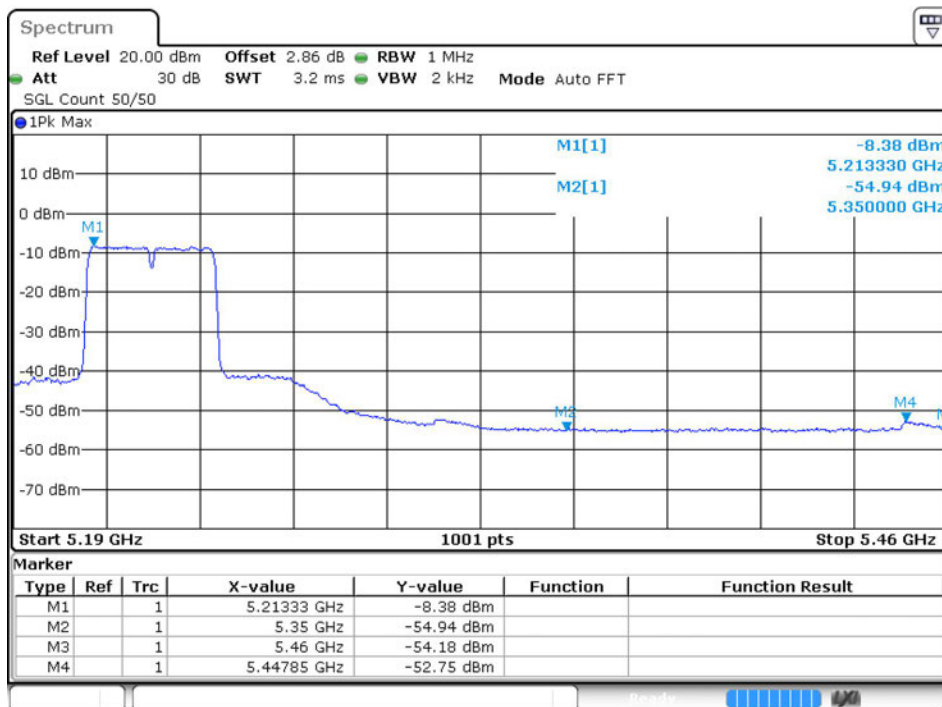




### Restrict Band NVNT ac40 5230MHz Ant1 Peak



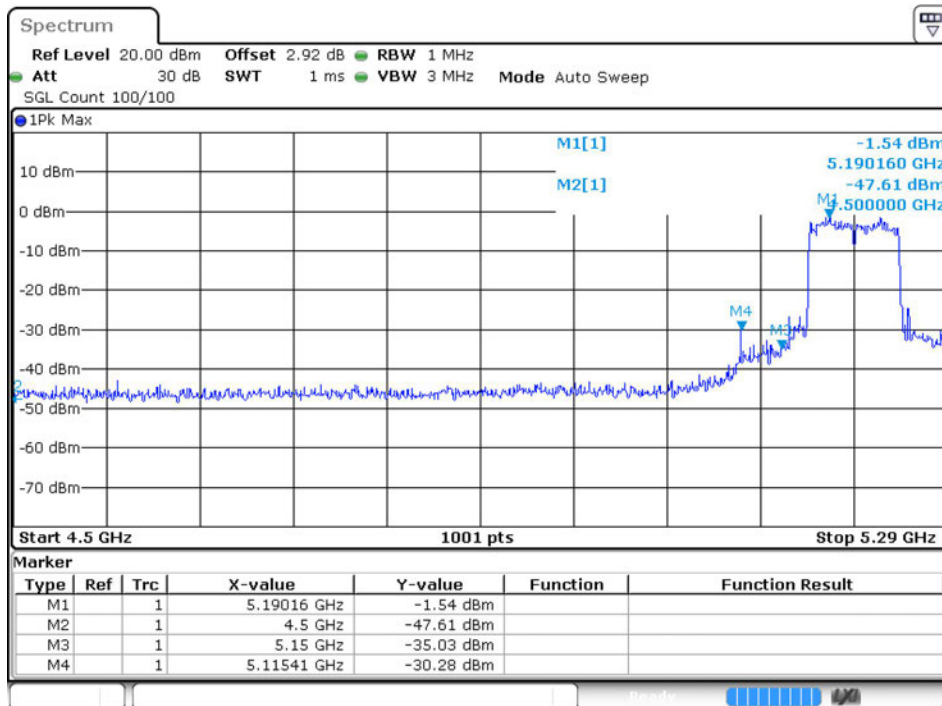
### Restrict Band NVNT ac40 5230MHz Ant1 Average



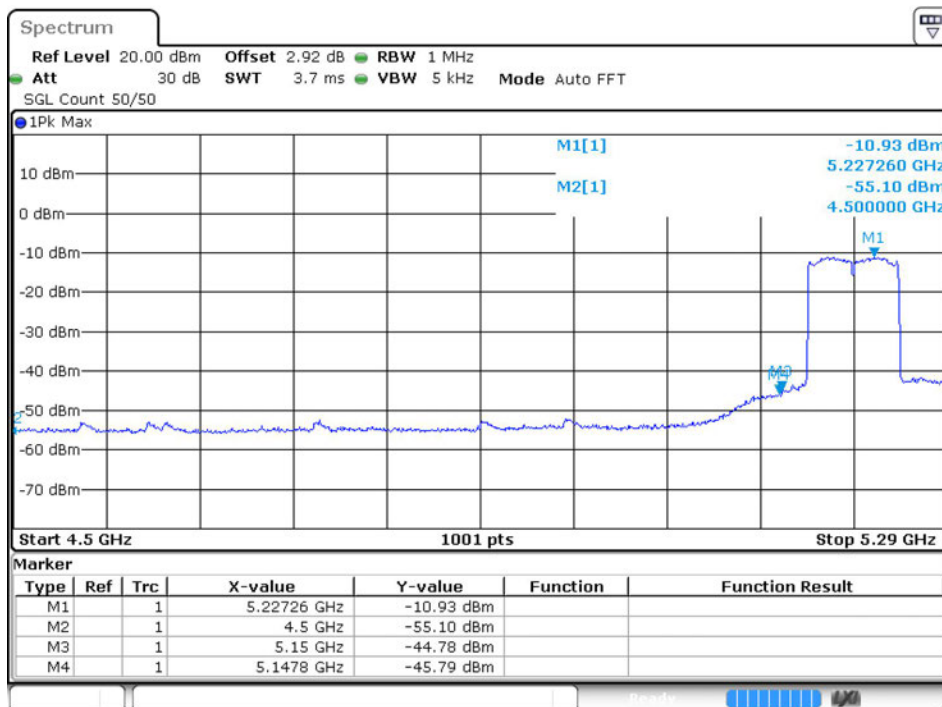




Restrict Band NVNT ac80 5210MHz Ant1 Peak



Restrict Band NVNT ac80 5210MHz Ant1 Average



----End Of The Report----