

**Appendix C**  
**RF Test Data for 5.2G WLAN (Conducted Measurement)**  
**Product Name: TABLET PC**  
**Trade Mark: FUSION5**  
**Test Model: FWIN232 PLUS S2**

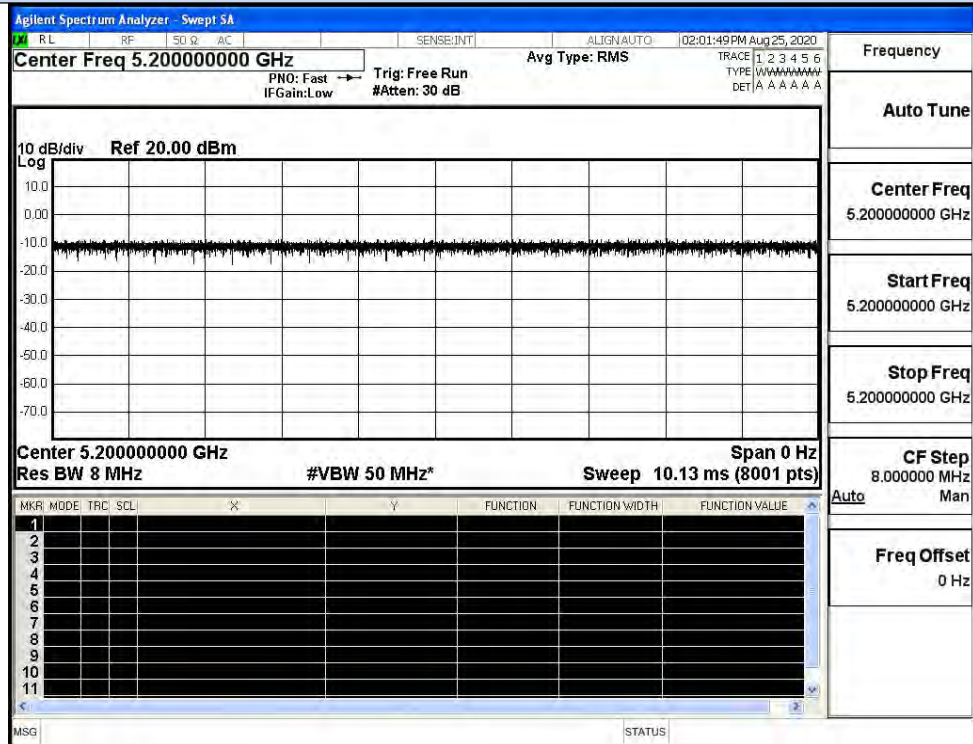
**Environmental Conditions**

|                    |           |
|--------------------|-----------|
| Temperature:       | 24.2 ° C  |
| Relative Humidity: | 52.6%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Kar Hu    |
| Supervised by:     | Li Huan   |

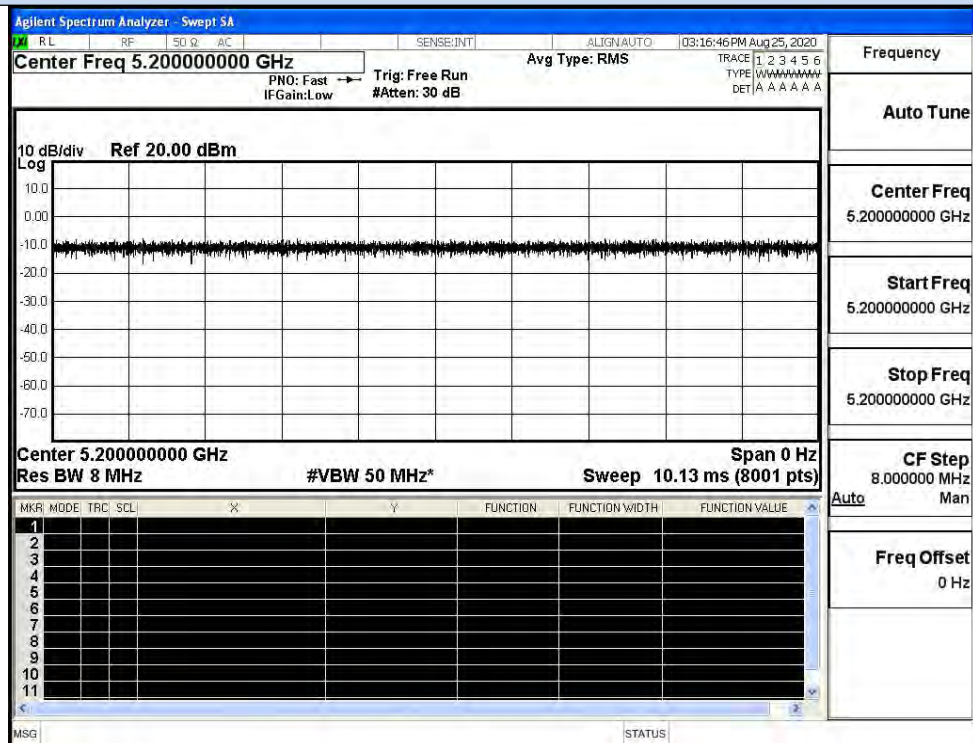
**C.1 Duty Cycle**

| Test Mode   | Test Frequency (MHz) | Duty Cycle (%) | 10log(1/x) Factor (dB) | 1/B Minimum VBW(KHz) |
|-------------|----------------------|----------------|------------------------|----------------------|
| 11A         | 5200                 | 100            | 0.00                   | 0.01                 |
| 11N20 SISO  | 5200                 | 100            | 0.00                   | 0.01                 |
| 11N40 SISO  | 5190                 | 100            | 0.00                   | 0.01                 |
| 11AC20 SISO | 5200                 | 100            | 0.00                   | 0.01                 |
| 11AC40 SISO | 5190                 | 100            | 0.00                   | 0.01                 |
| 11AC80 SISO | 5210                 | 100            | 0.00                   | 0.01                 |

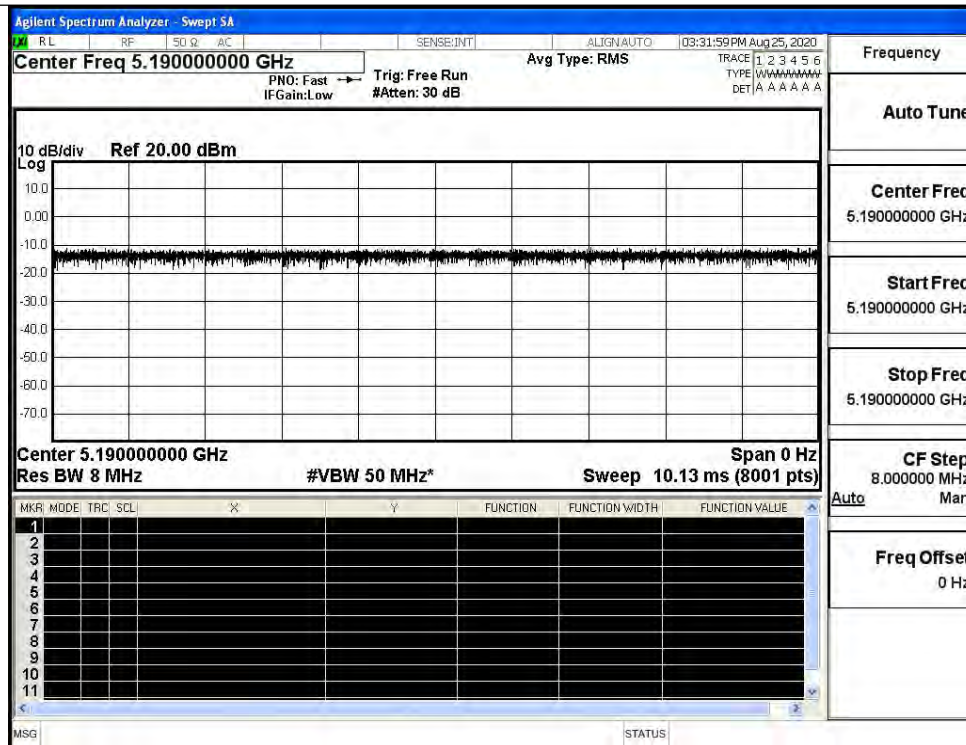
### On Time and Duty Cycle



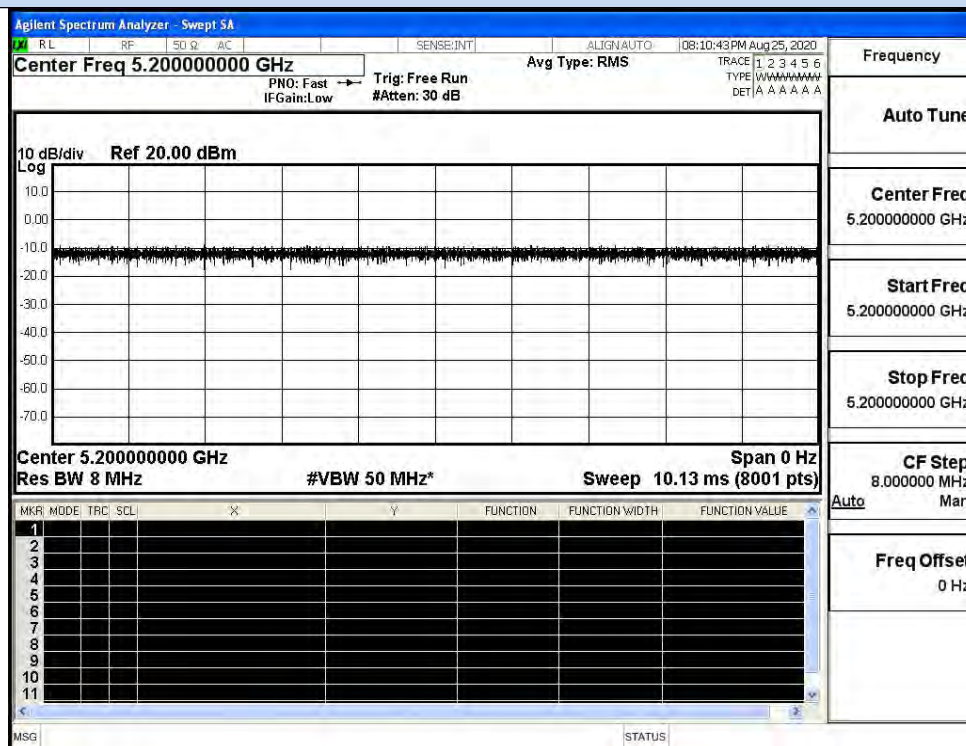
### IEEE 802.11a



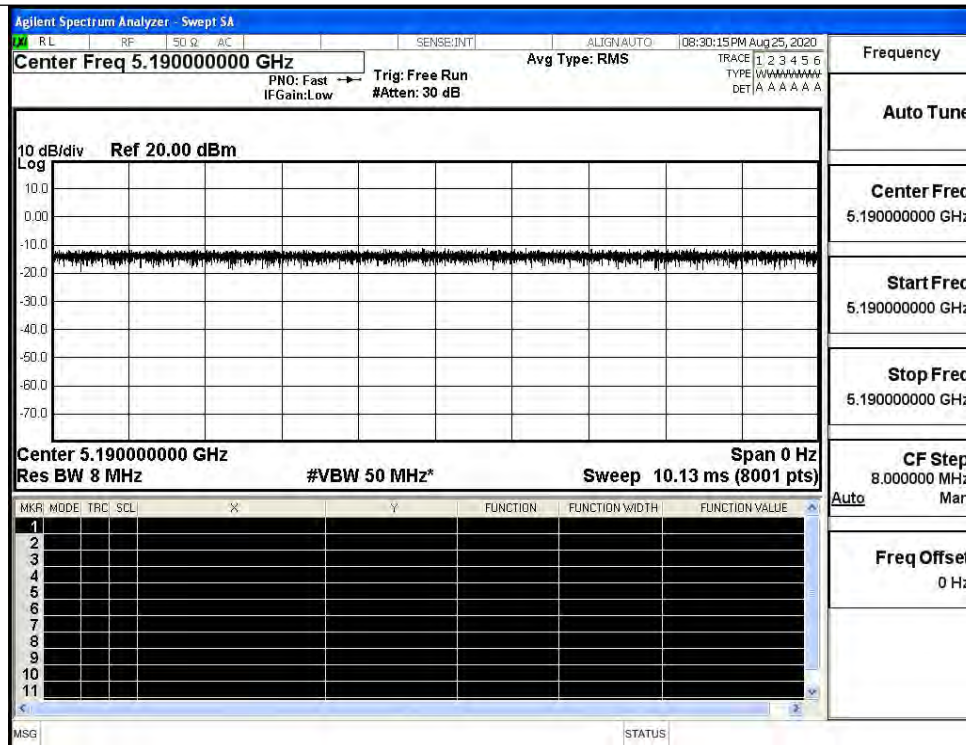
### IEEE 802.11n HT20



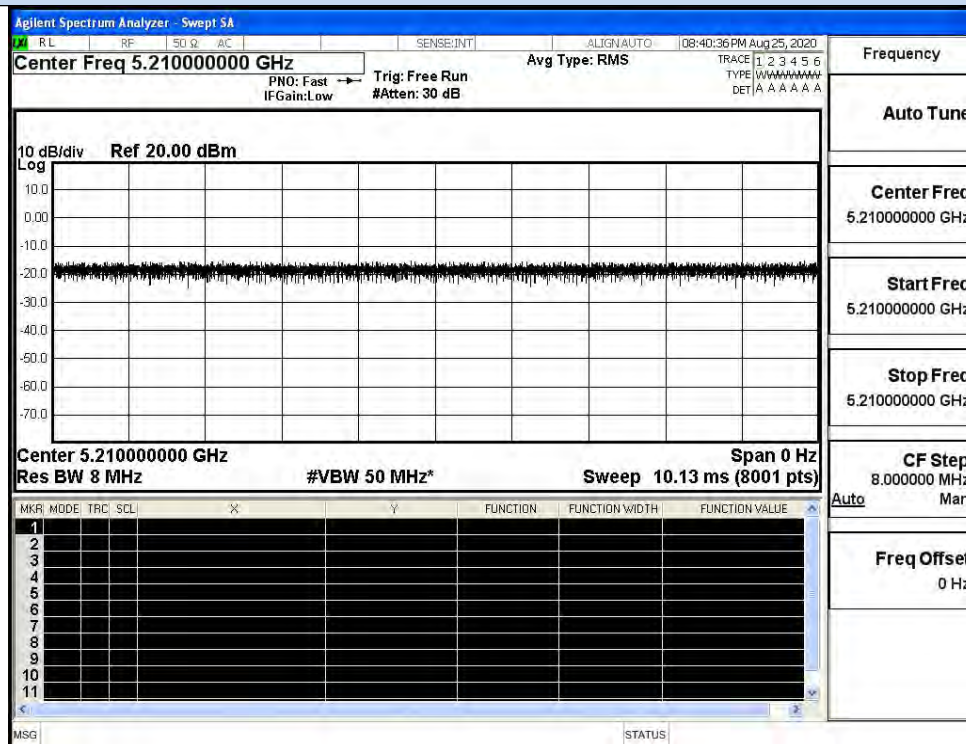
IEEE 802.11n HT40



IEEE 802.11AC20



### IEEE 802.11 AC40



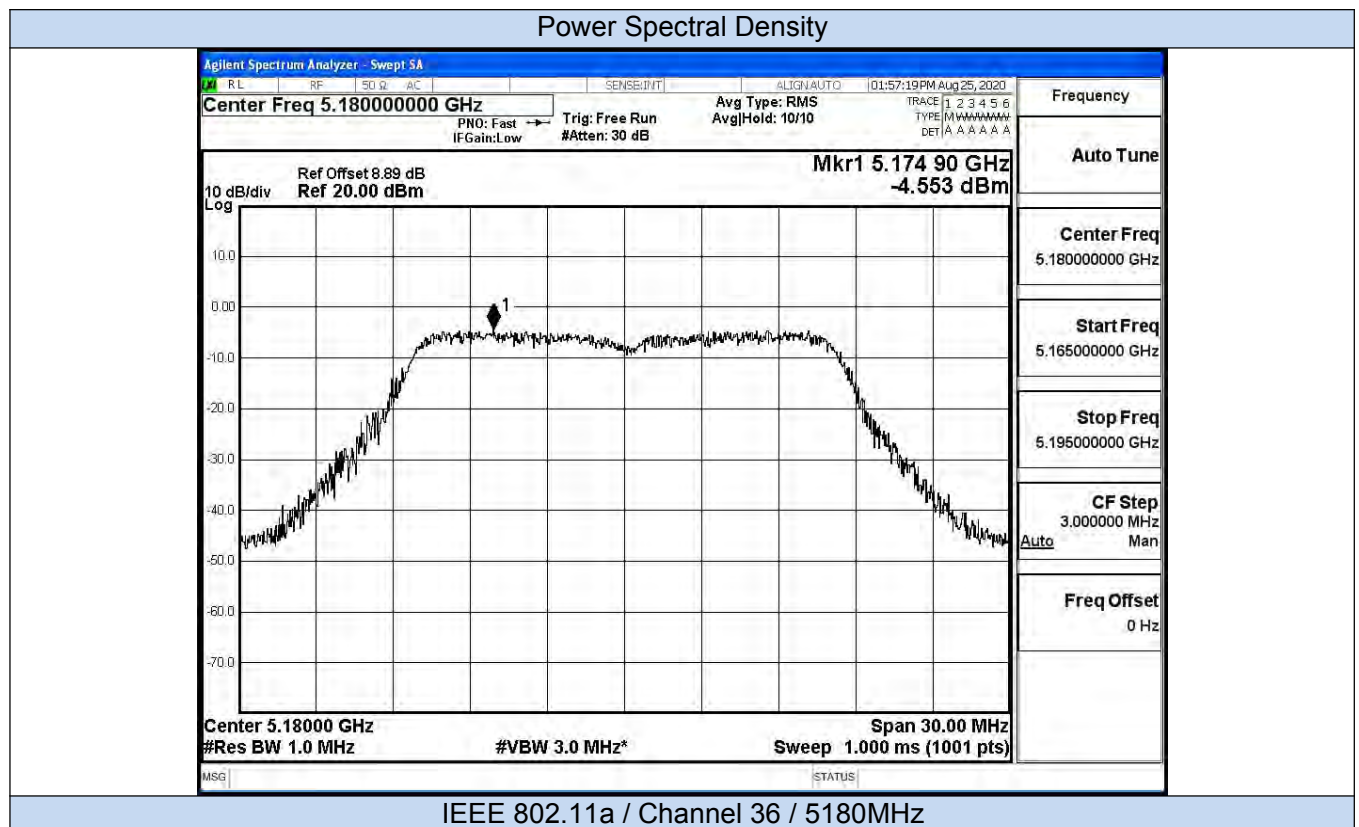
### IEEE 802.11AC80

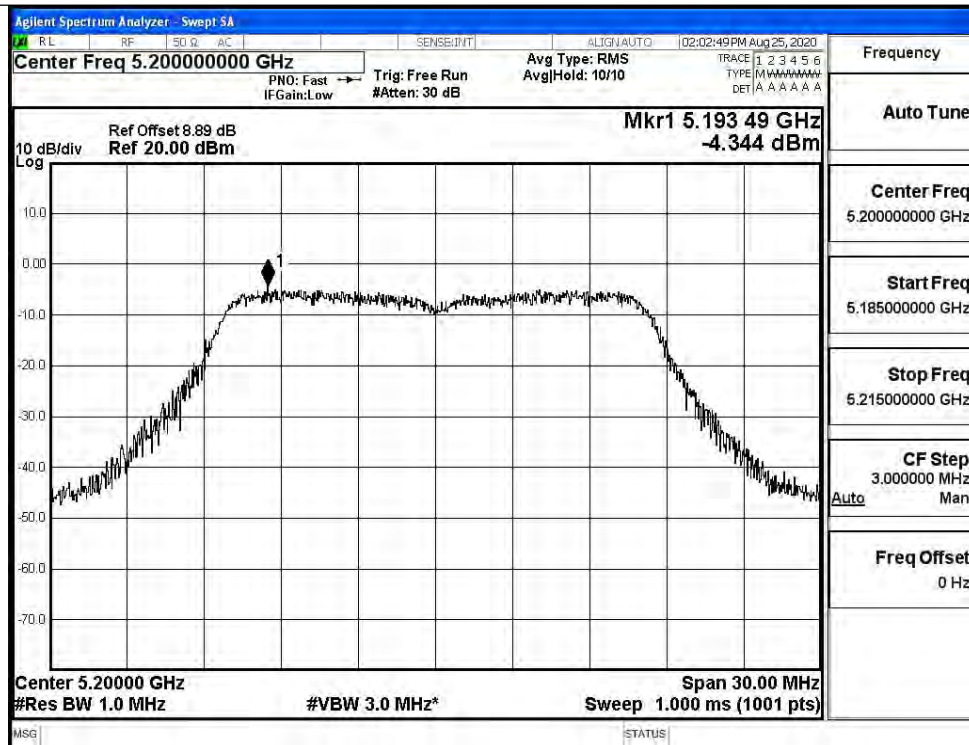
## C.2 Maximum Conduct Output Power

| Test Mode   | Channel | Frequency (MHz) | AVG Conducted Power (dBm) | Duty Cycle Factor(dB) | Report Conducted Power(dBm) | Limit (dBm) | Verdict |
|-------------|---------|-----------------|---------------------------|-----------------------|-----------------------------|-------------|---------|
| 11A         | 36      | 5180            | 6.3                       | 0                     | 6.3                         | 24          | Pass    |
|             | 40      | 5200            | 5.66                      | 0                     | 5.66                        |             | Pass    |
|             | 48      | 5240            | 5.61                      | 0                     | 5.61                        |             | Pass    |
| 11N20 SISO  | 36      | 5180            | 7.49                      | 0                     | 7.49                        | 24          | Pass    |
|             | 40      | 5200            | 6.39                      | 0                     | 6.39                        |             | Pass    |
|             | 48      | 5240            | 6.25                      | 0                     | 6.25                        |             | Pass    |
| 11N40 SISO  | 38      | 5190            | 6.38                      | 0                     | 6.38                        | 24          | Pass    |
|             | 46      | 5230            | 6.6                       | 0                     | 6.6                         |             | Pass    |
| 11AC20 SISO | 36      | 5180            | 5.99                      | 0                     | 5.99                        | 24          | Pass    |
|             | 40      | 5200            | 5.4                       | 0                     | 5.4                         |             | Pass    |
|             | 48      | 5240            | 5.56                      | 0                     | 5.56                        |             | Pass    |
| 11AC40 SISO | 38      | 5190            | 6.22                      | 0                     | 6.22                        | 24          | Pass    |
|             | 46      | 5230            | 5.93                      | 0                     | 5.93                        |             | Pass    |
| 11AC80 SISO | 42      | 5210            | 6.03                      | 0                     | 6.03                        | 24          | Pass    |

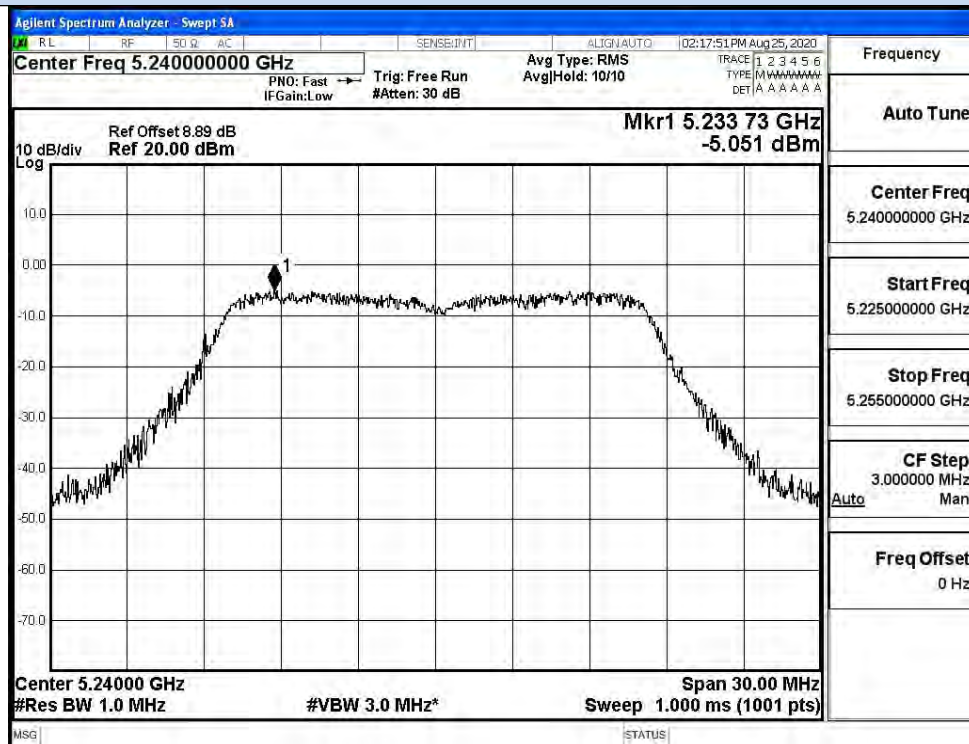
### C.3 Power Spectral Density

| Test Mode   | Channel | Frequency (MHz) | Power Density (dBm/MHz) | Duty Cycle Factor (dB) | Report Power Density (dBm/MHz) | Limit (dBm/MHz) | Verdict |
|-------------|---------|-----------------|-------------------------|------------------------|--------------------------------|-----------------|---------|
| 11A         | 36      | 5180            | -4.55                   | 0                      | -4.55                          | 11              | Pass    |
|             | 40      | 5200            | -4.34                   | 0                      | -4.34                          |                 | Pass    |
|             | 48      | 5240            | -5.05                   | 0                      | -5.05                          |                 | Pass    |
| 11N20 SISO  | 36      | 5180            | -3.78                   | 0                      | -3.78                          | 11              | Pass    |
|             | 40      | 5200            | -4.69                   | 0                      | -4.69                          |                 | Pass    |
|             | 48      | 5240            | -4.63                   | 0                      | -4.63                          |                 | Pass    |
| 11N40 SISO  | 38      | 5190            | -7.67                   | 0                      | -7.67                          | 11              | Pass    |
|             | 46      | 5230            | -7.66                   | 0                      | -7.66                          |                 | Pass    |
| 11AC20 SISO | 36      | 5180            | -4.58                   | 0                      | -4.58                          | 11              | Pass    |
|             | 40      | 5200            | -5.30                   | 0                      | -5.30                          |                 | Pass    |
|             | 48      | 5240            | -5.29                   | 0                      | -5.29                          |                 | Pass    |
| 11AC40 SISO | 38      | 5190            | -7.76                   | 0                      | -7.76                          | 11              | Pass    |
|             | 46      | 5230            | -8.25                   | 0                      | -8.25                          |                 | Pass    |
| 11AC80 SISO | 42      | 5210            | -10.21                  | 0                      | -10.21                         | 11              | Pass    |



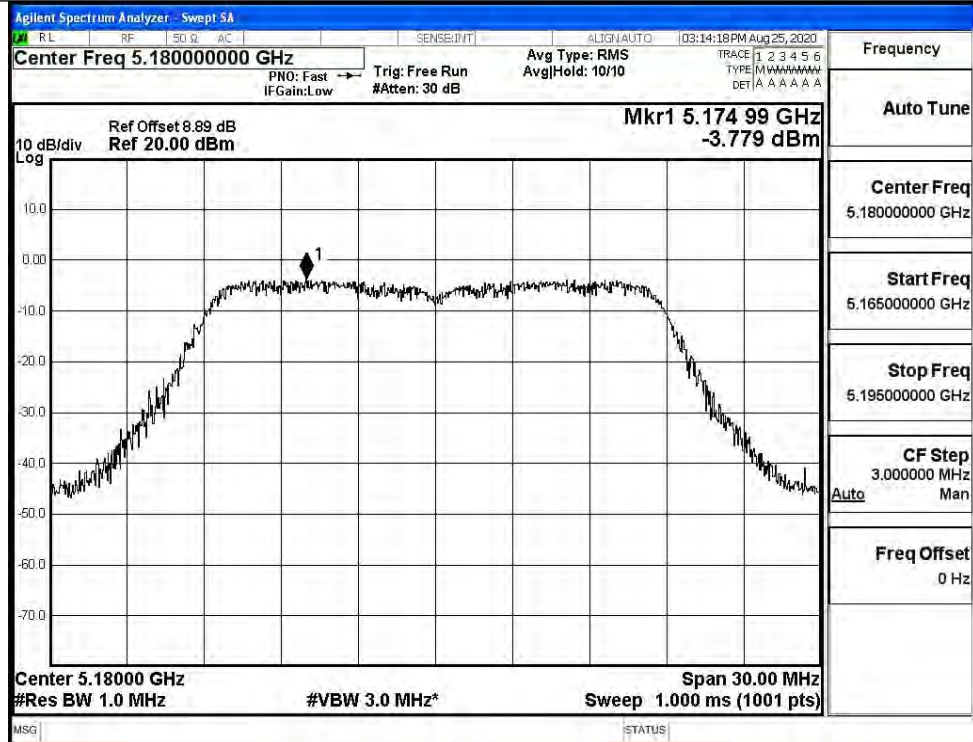


IEEE 802.11na / Channel 40 / 5200MHz

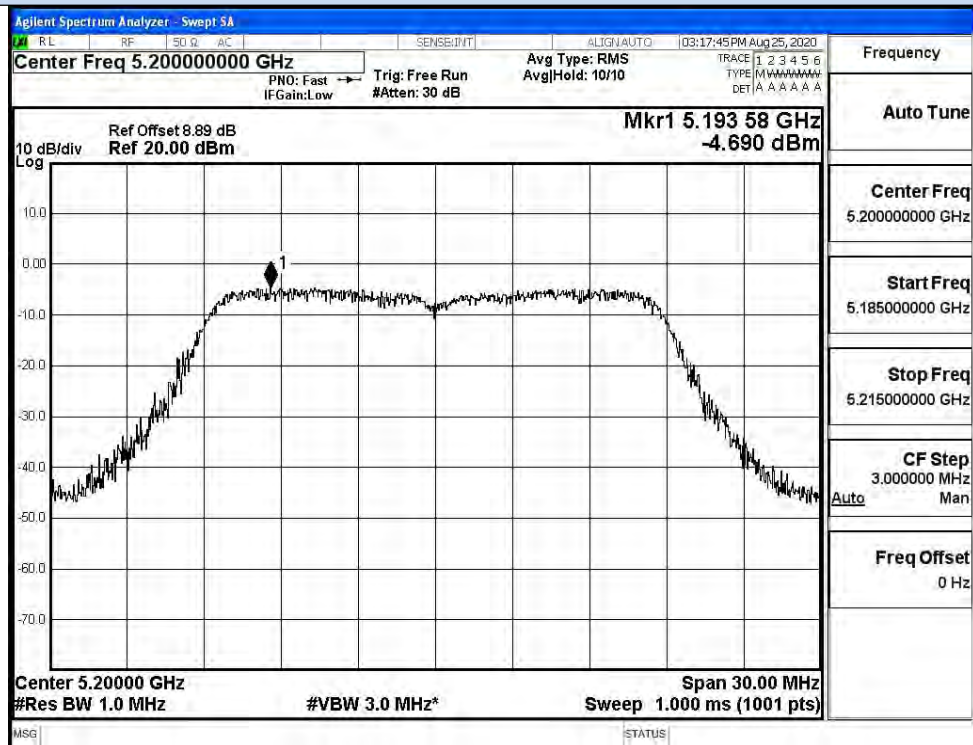


IEEE 802.11na / Channel 48 / 5240MHz

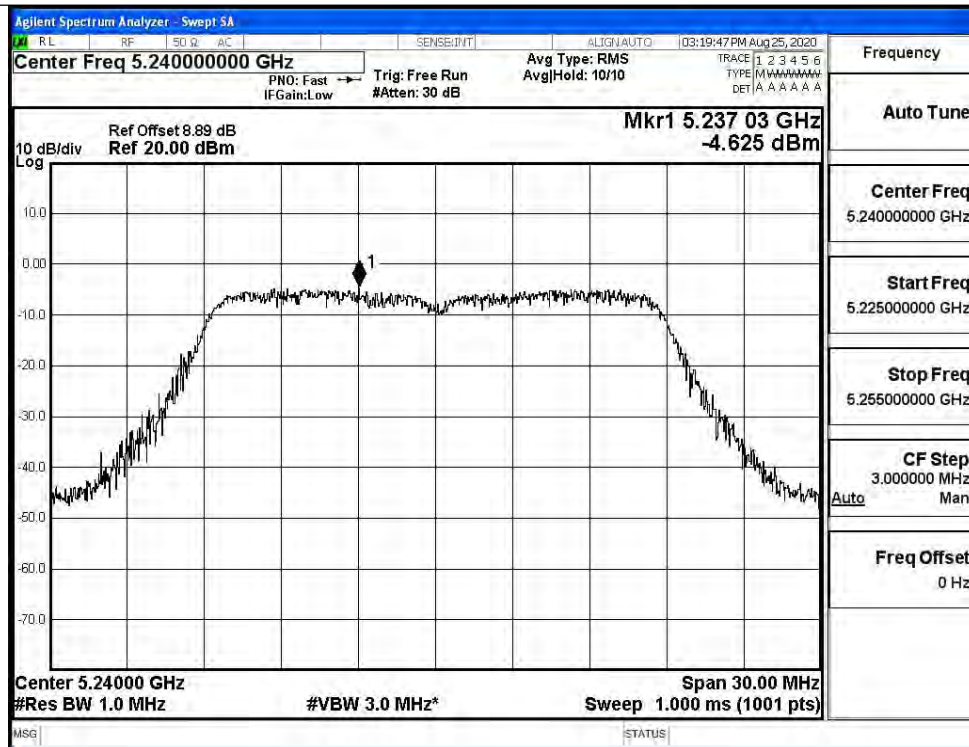
## Power Spectral Density



IEEE 802.11n20 / Channel 36 / 5180MHz

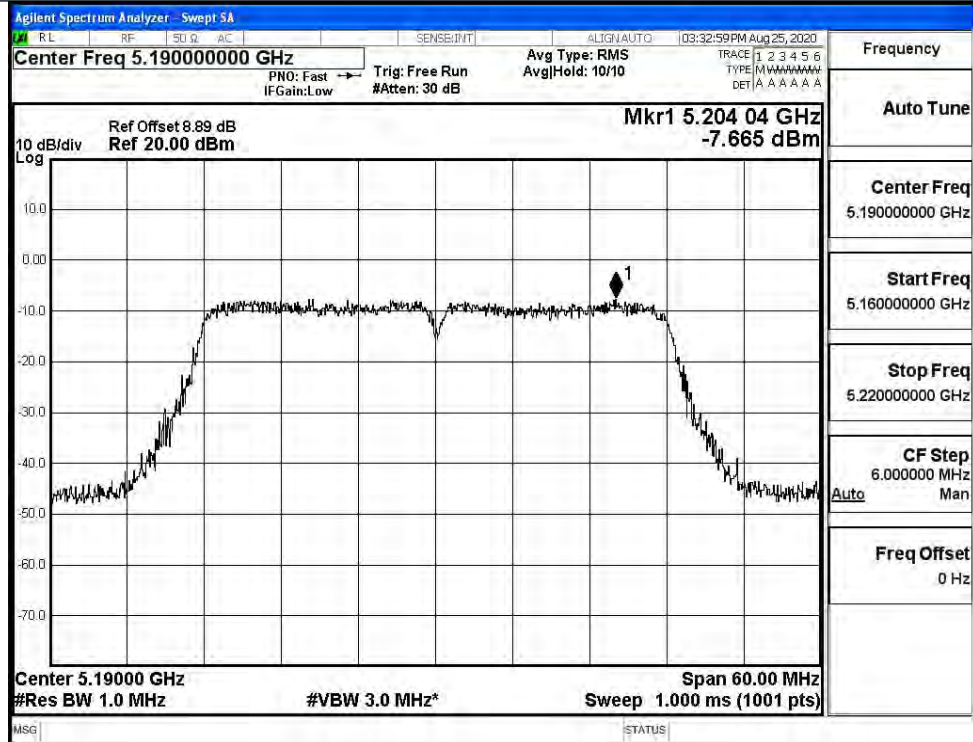


IEEE 802.11n20 / Channel 40 / 5200MHz

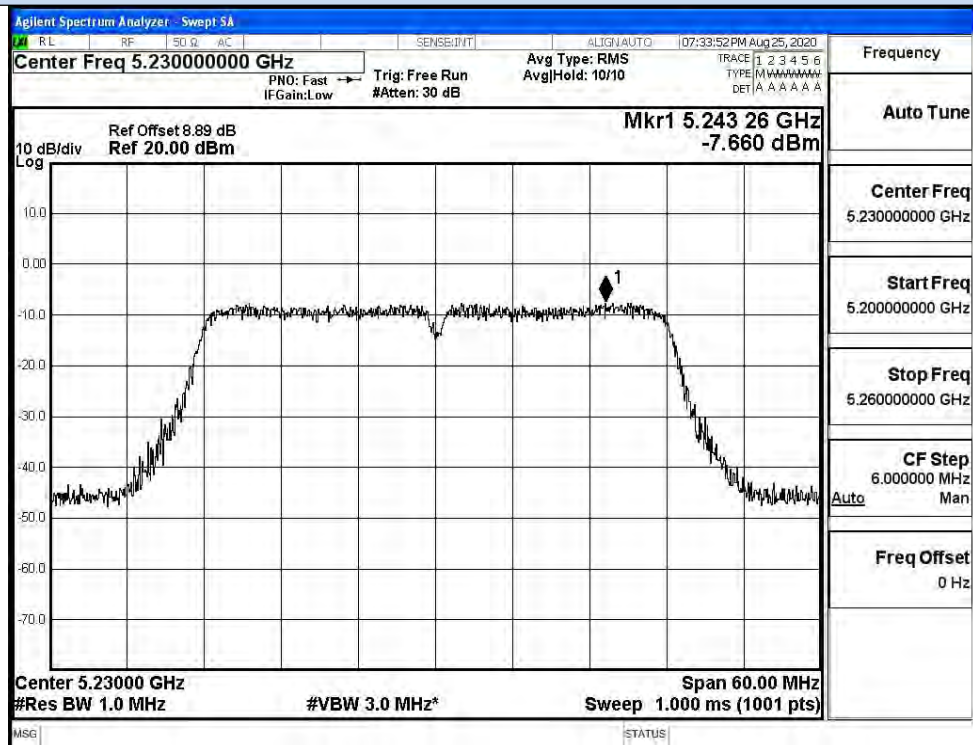


IEEE 802.11n20 / Channel 48 / 5240MHz

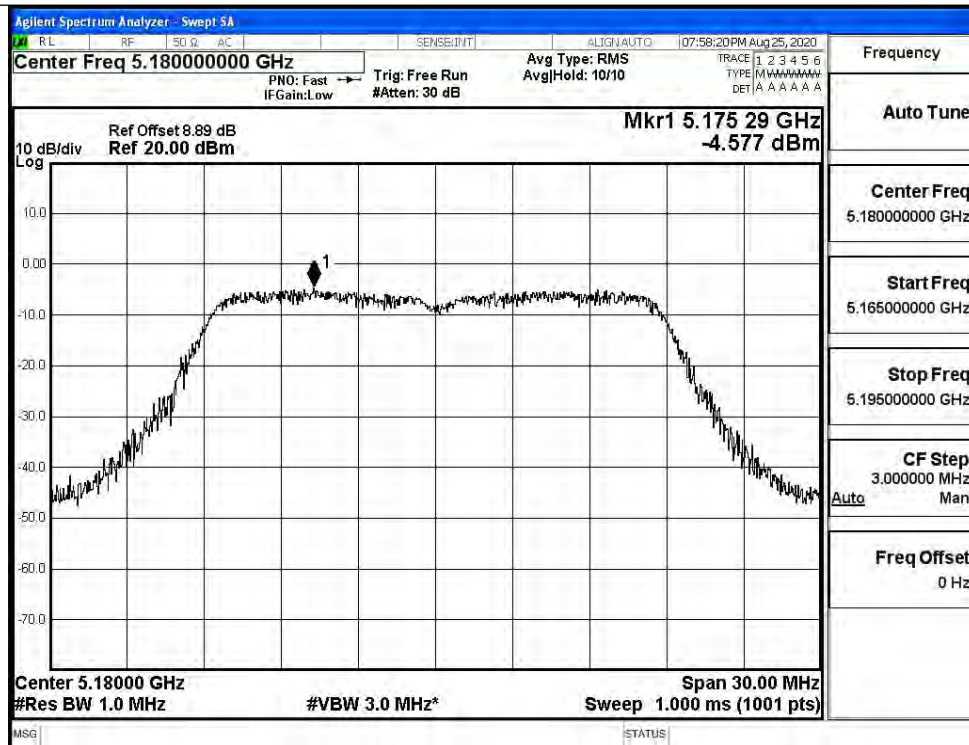
## Power Spectral Density



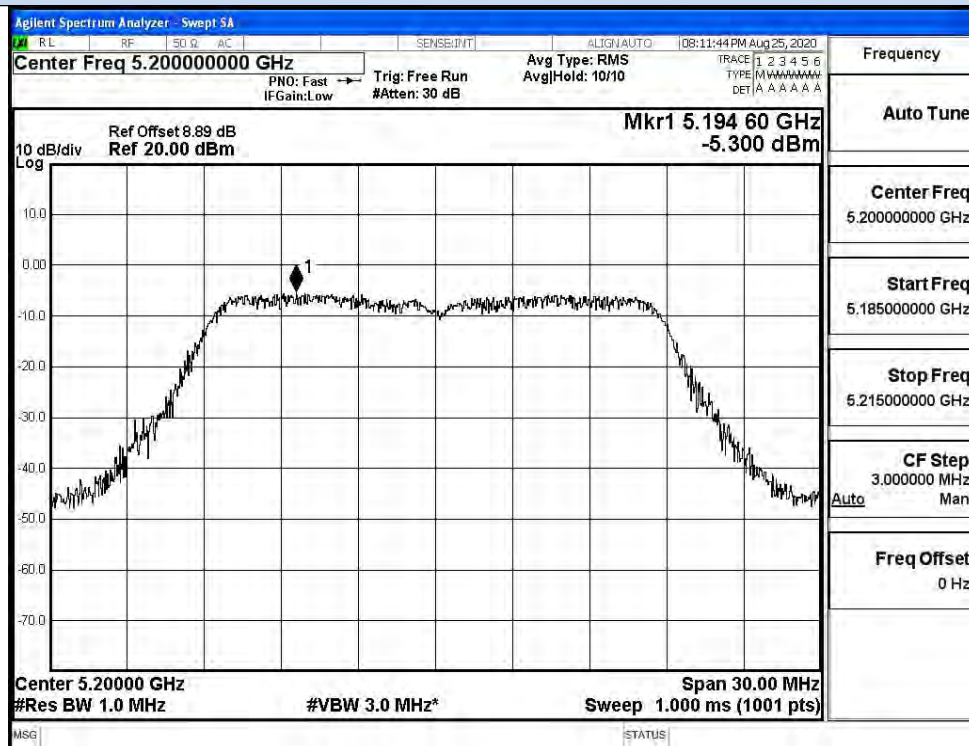
IEEE 802.11n40 / Channel 38 / 5190MHz



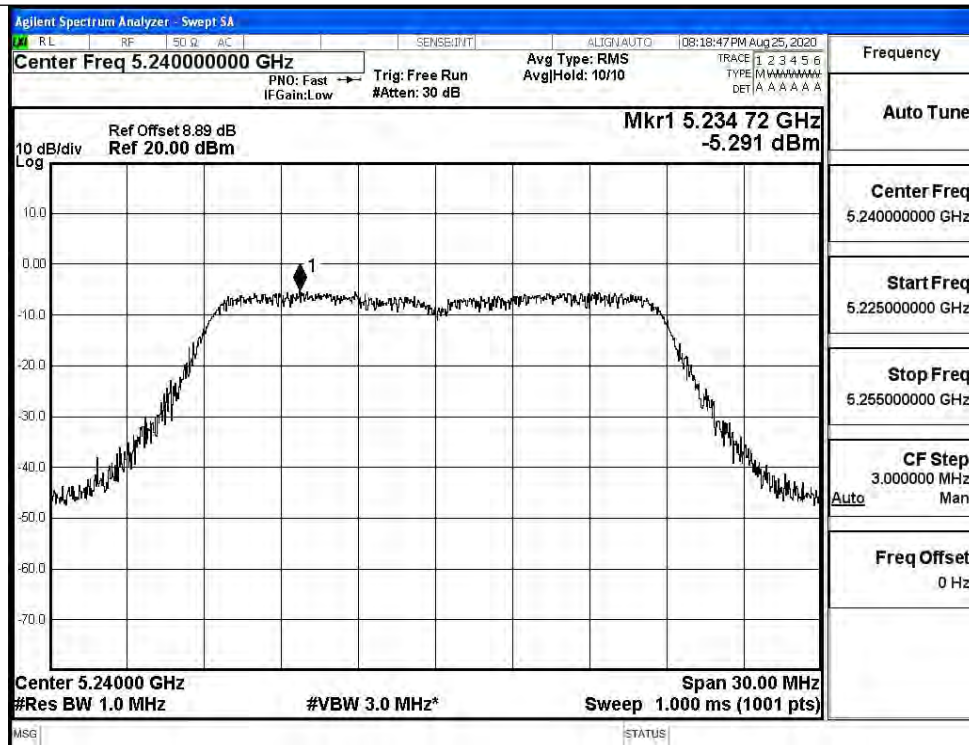
IEEE 802.11n40 / Channel 46 / 5230MHz



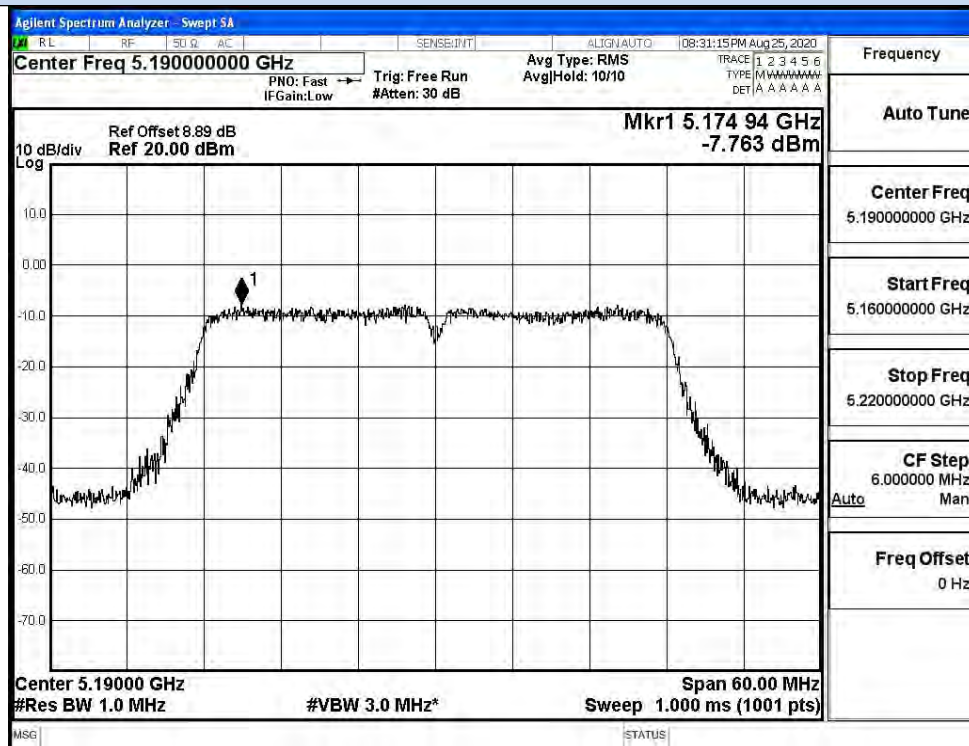
IEEE 802.11ac20 / Channel 36 / 5180MHz



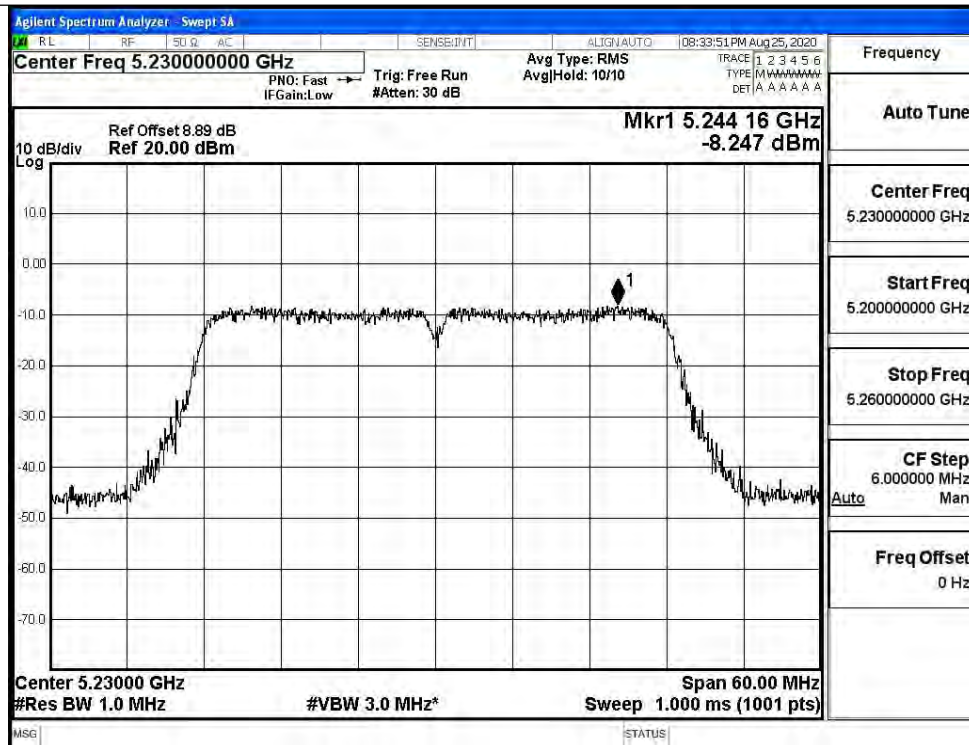
IEEE 802.11ac20 / Channel 40 / 5200MHz



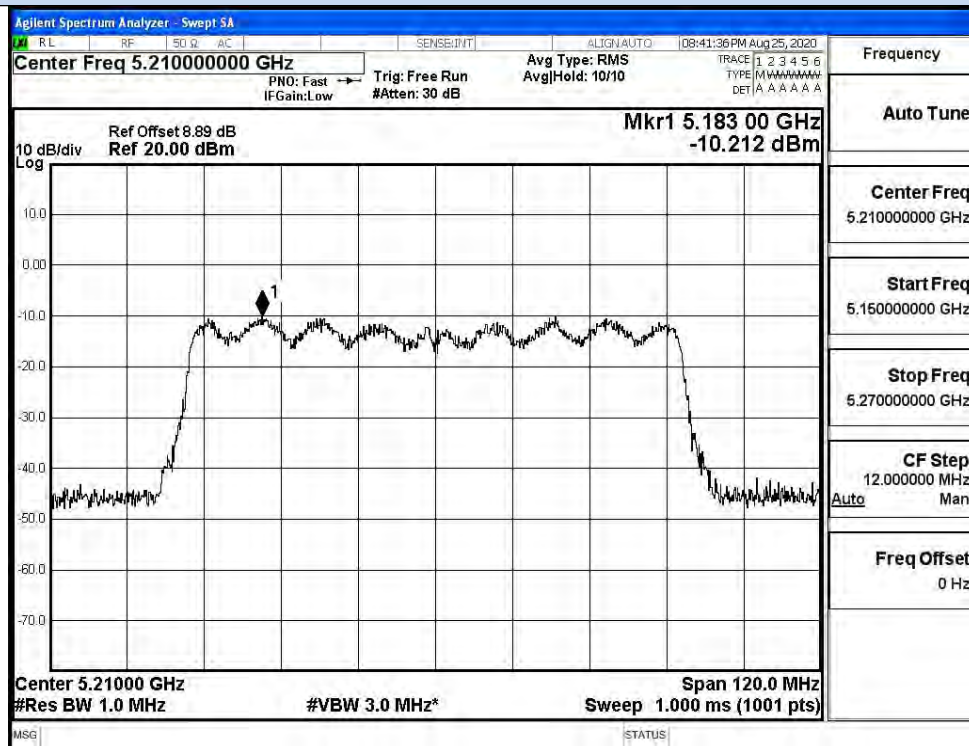
IEEE 802.11ac20 / Channel 48 / 5240MHz



IEEE 802.11ac40 / Channel 38 / 5190MHz



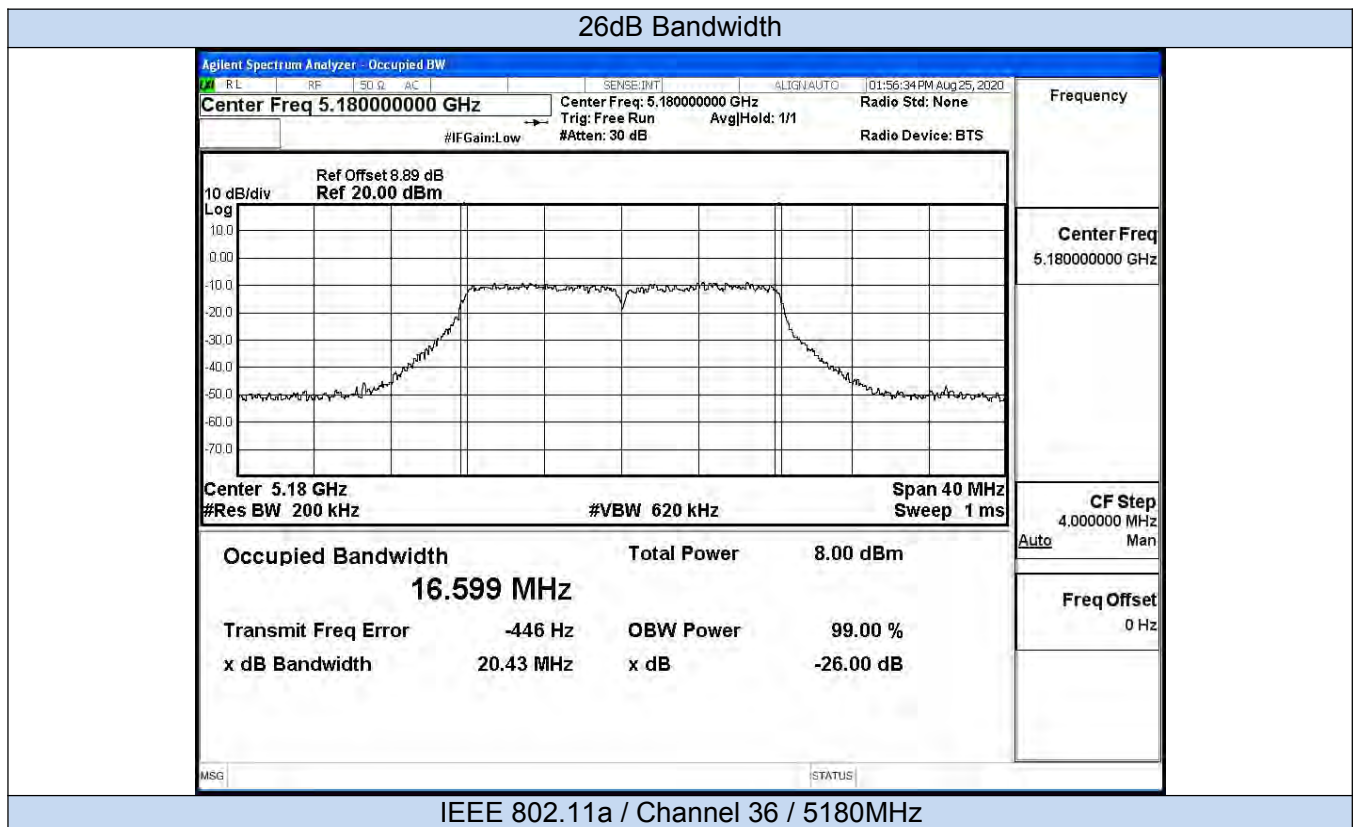
IEEE 802.11ac40 / Channel 46 / 5230MHz

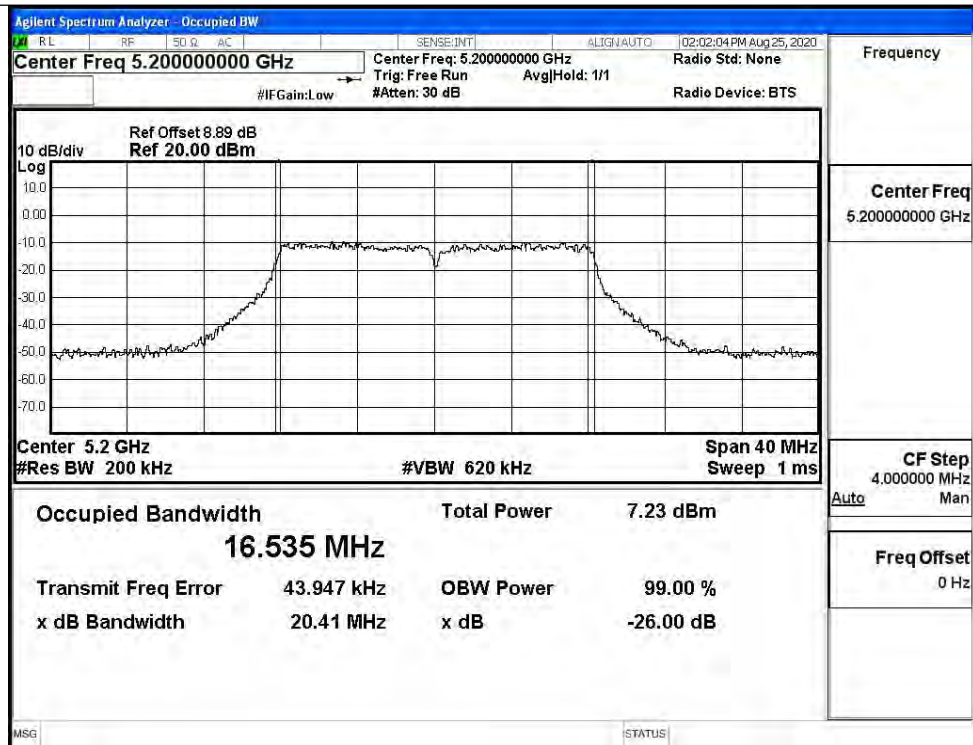


IEEE 802.11ac80 / Channel 42 / 5210MHz

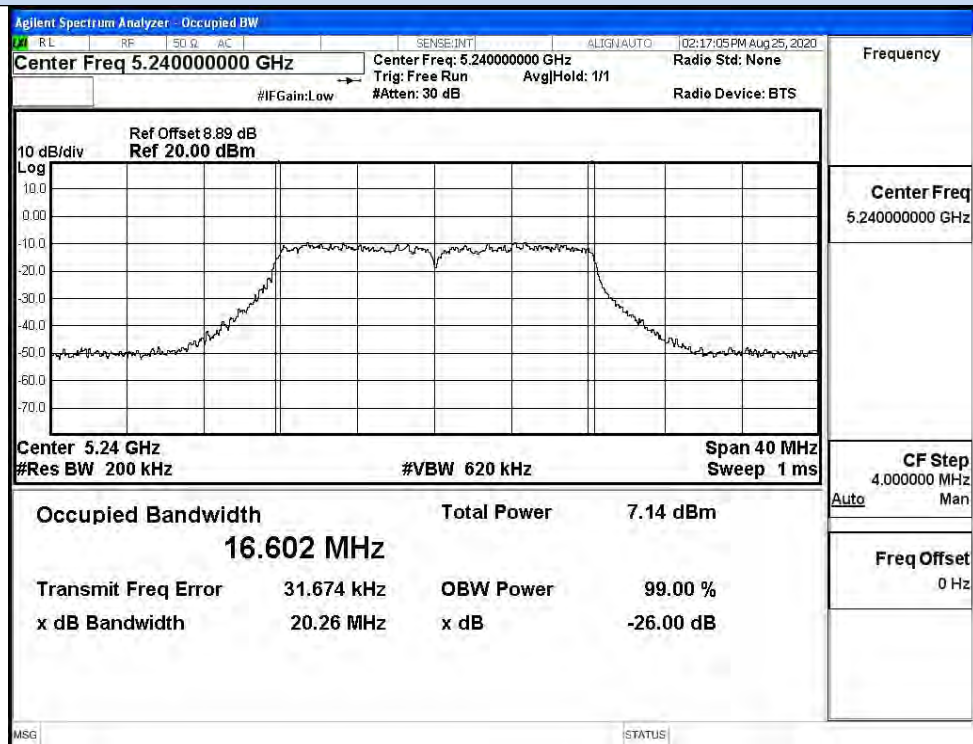
## C.4 Emission Bandwidth

| Test Mode   | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
|-------------|---------|-----------------|----------------------|-------------|---------|
| 11A         | 36      | 5180            | 20.43                | No Limit    | Pass    |
|             | 40      | 5200            | 20.41                |             | Pass    |
|             | 48      | 5240            | 20.26                |             | Pass    |
| 11N20 SISO  | 36      | 5180            | 21.36                | No Limit    | Pass    |
|             | 40      | 5200            | 20.91                |             | Pass    |
|             | 48      | 5240            | 20.69                |             | Pass    |
| 11N40 SISO  | 38      | 5190            | 41.67                | No Limit    | Pass    |
|             | 46      | 5230            | 40.88                |             | Pass    |
| 11AC20 SISO | 36      | 5180            | 20.92                | No Limi     | Pass    |
|             | 40      | 5200            | 21.26                |             | Pass    |
|             | 48      | 5240            | 20.85                |             | Pass    |
| 11AC40 SISO | 38      | 5190            | 41.59                | No Limi     | Pass    |
|             | 46      | 5230            | 42.28                |             | Pass    |
| 11AC80 SISO | 42      | 5210            | 82.21                | No Limi     | Pass    |



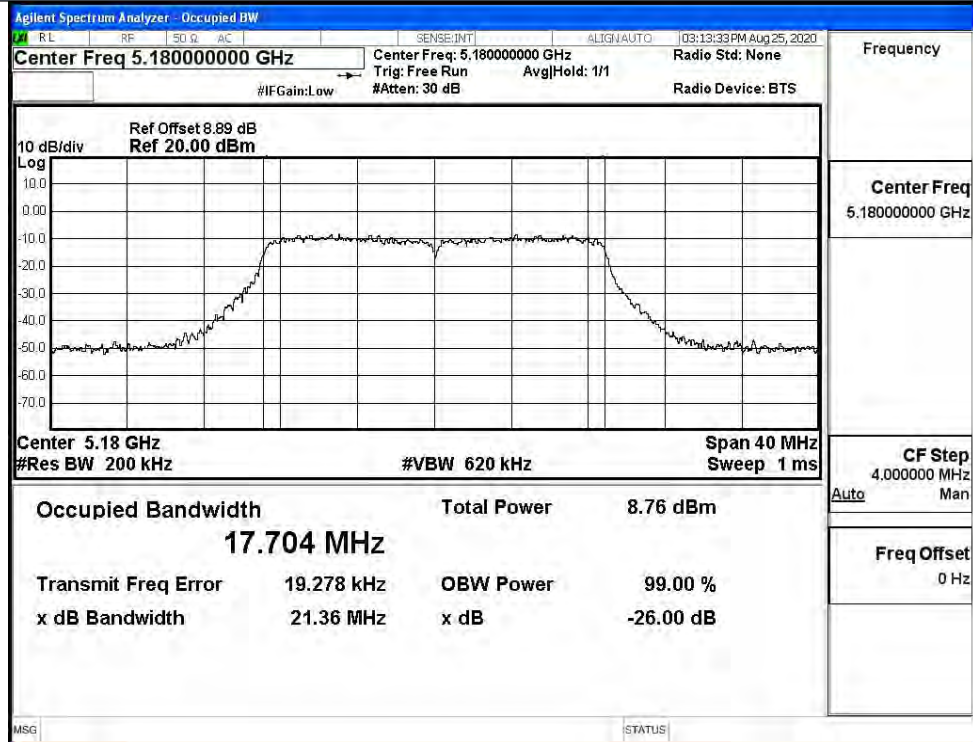


IEEE 802.11a / Channel 40 / 5200MHz

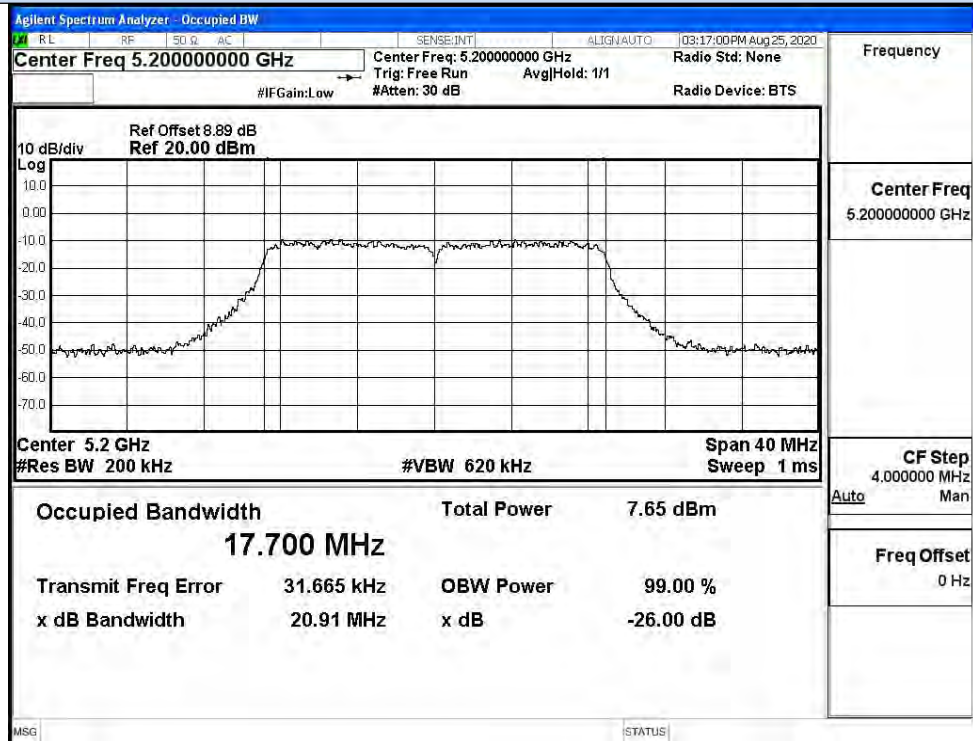


IEEE 802.11a / Channel 48 / 5240MHz

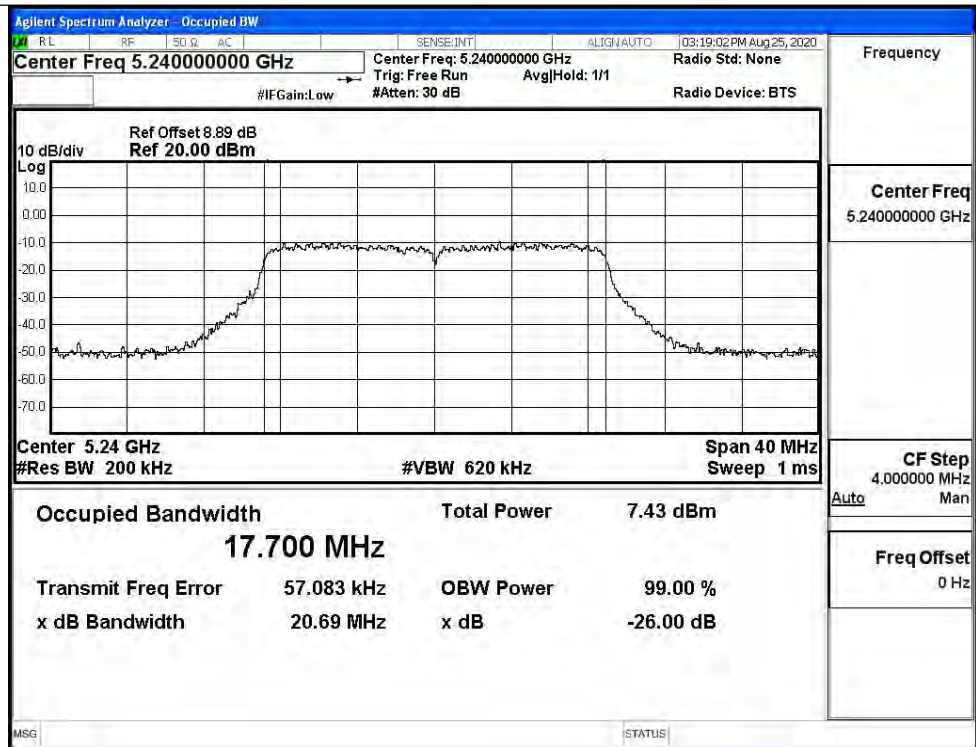
## 26dB Bandwidth



## IEEE 802.11n20 / Channel 36 / 5180MHz

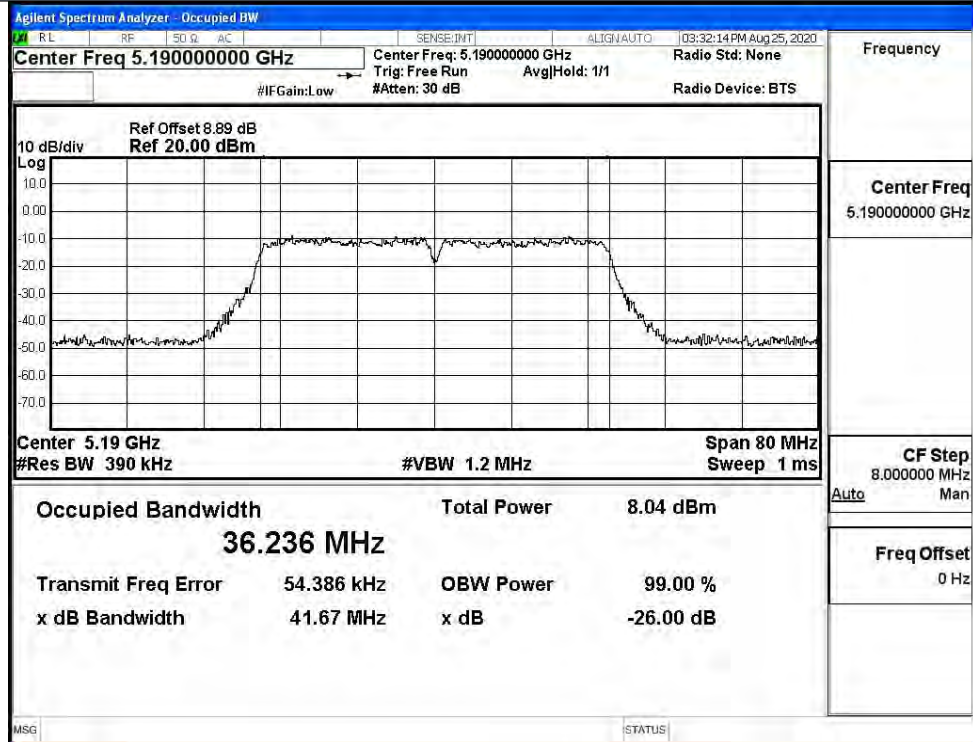


## IEEE 802.11n20 / Channel 40 / 5200MHz

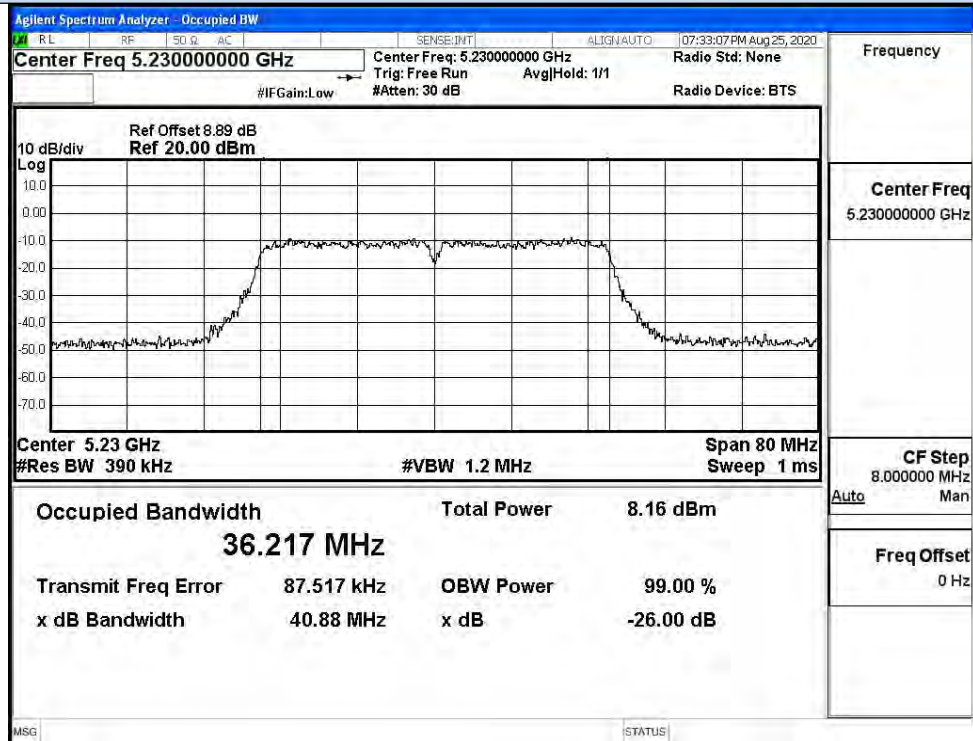


IEEE 802.11n20 / Channel 48 / 5240MHz

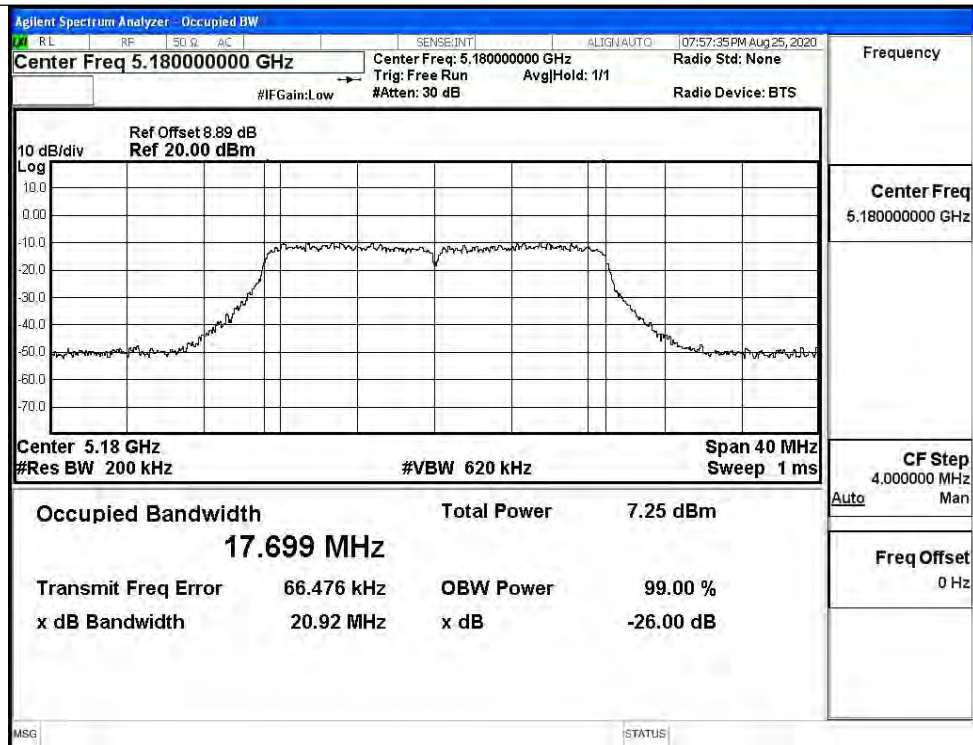
## 26dB Bandwidth



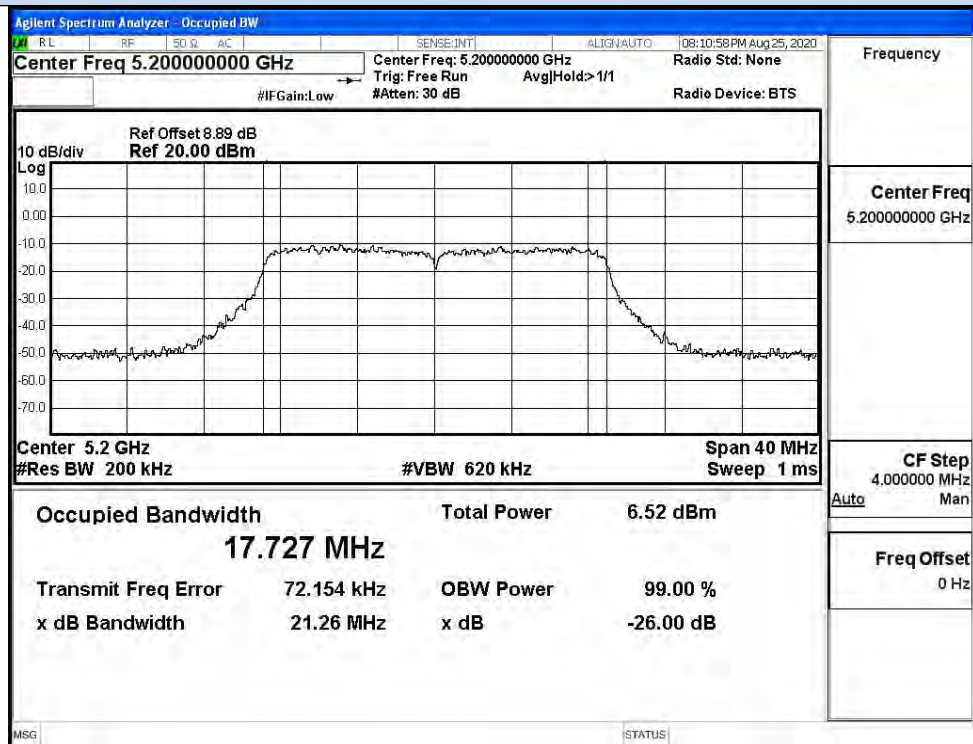
## IEEE 802.11n40 / Channel 38 / 5190MHz



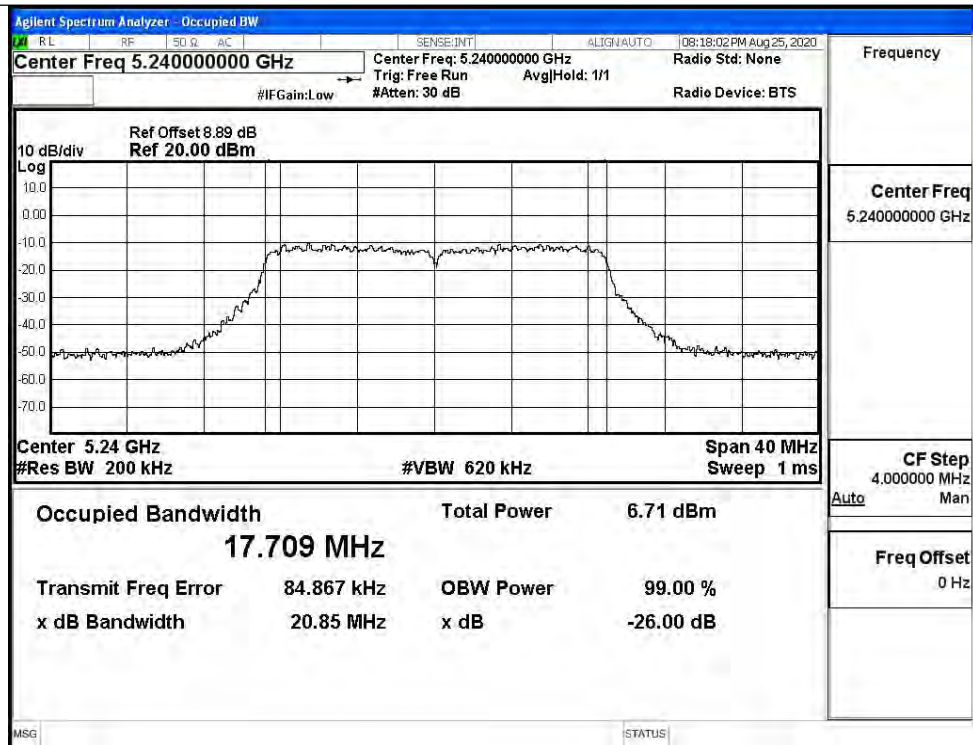
## IEEE 802.11n40 / Channel 46 / 5230MHz



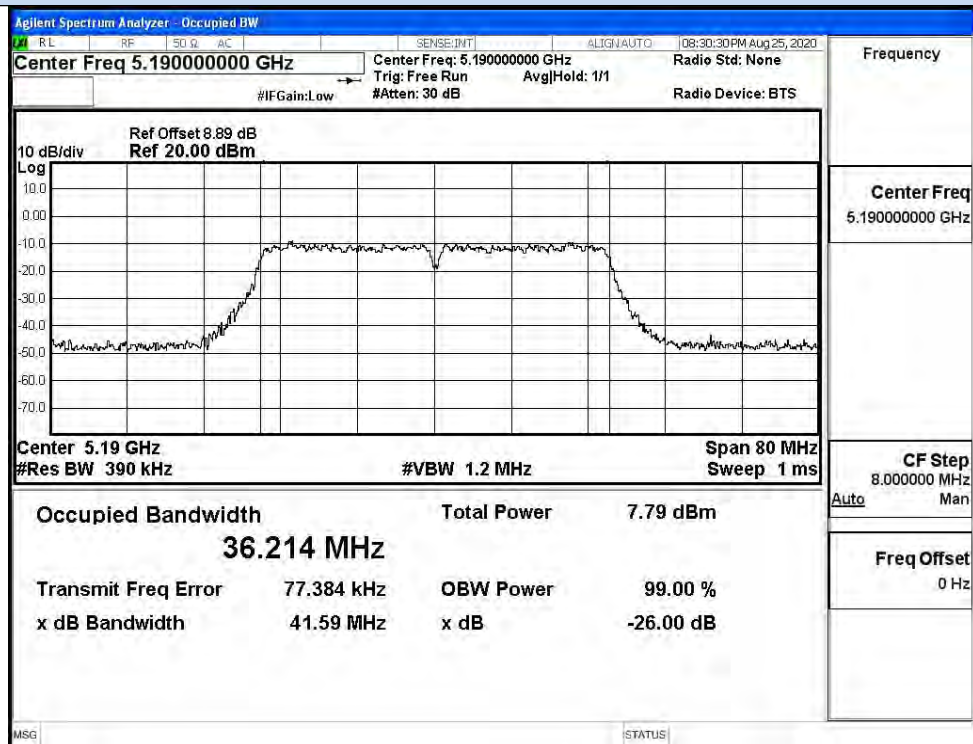
IEEE 802.11ac20 / Channel 36 / 5180MHz



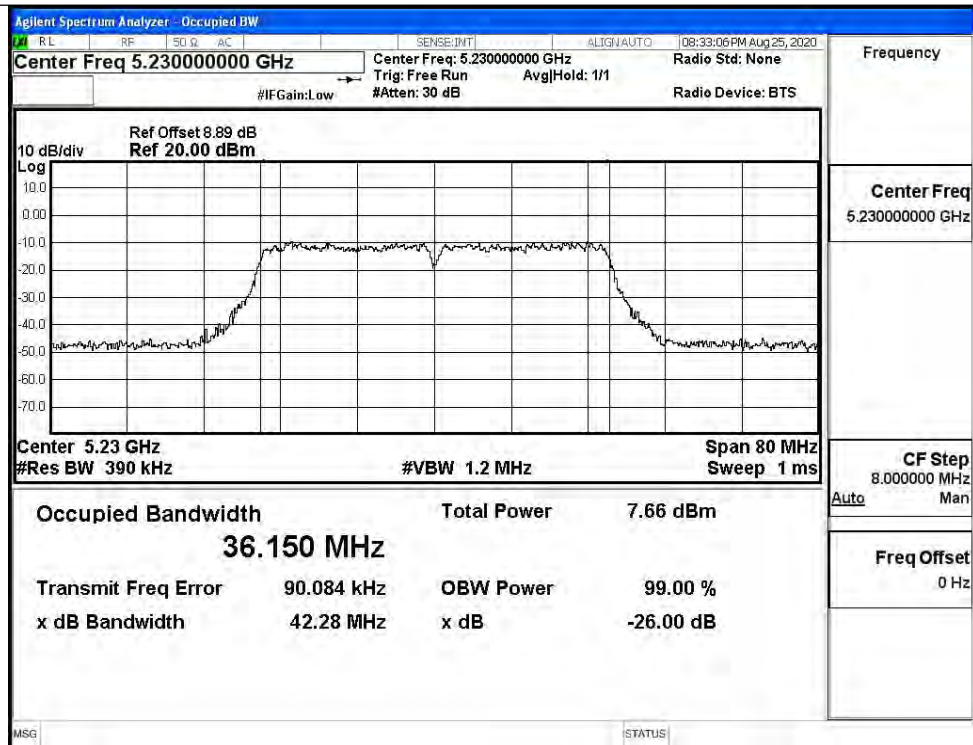
IEEE 802.11ac20 / Channel 40 / 5200MHz



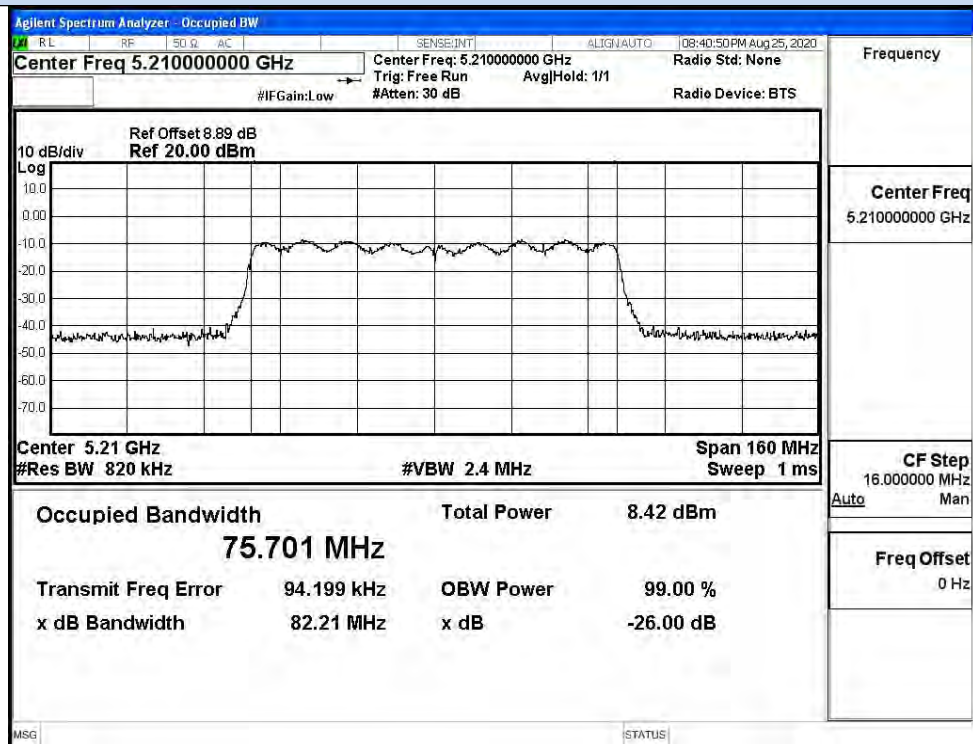
IEEE 802.11ac20 / Channel 48 / 5240MHz



IEEE 802.11ac40 / Channel 38 / 5190MHz



IEEE 802.11ac40 / Channel 46 / 5230MHz

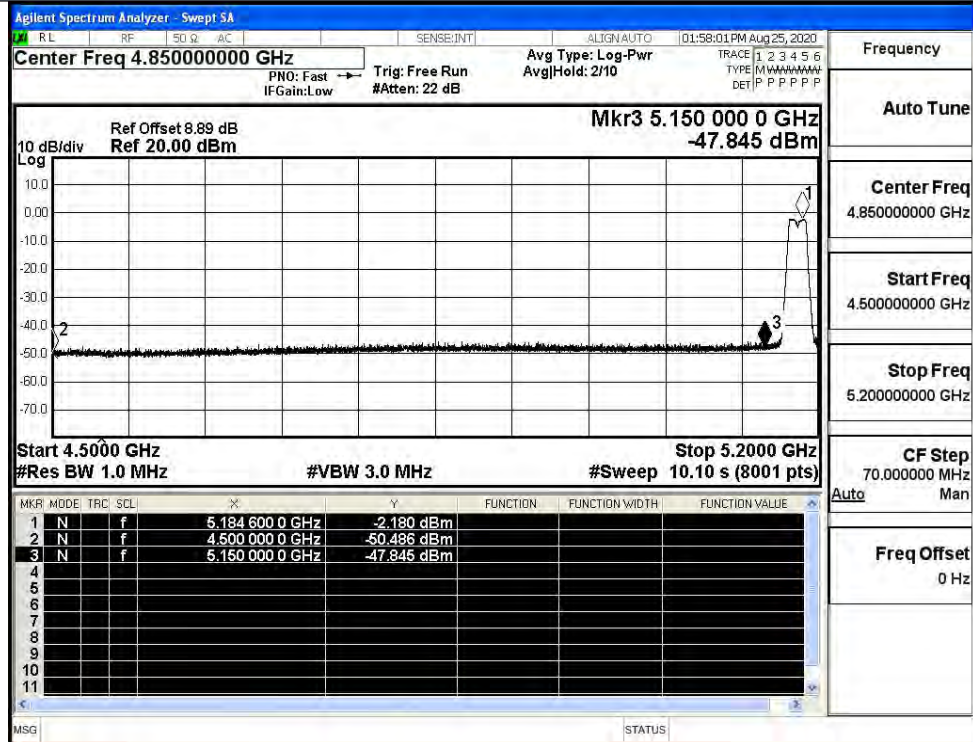


IEEE 802.11ac80 / Channel 42 / 5210MHz

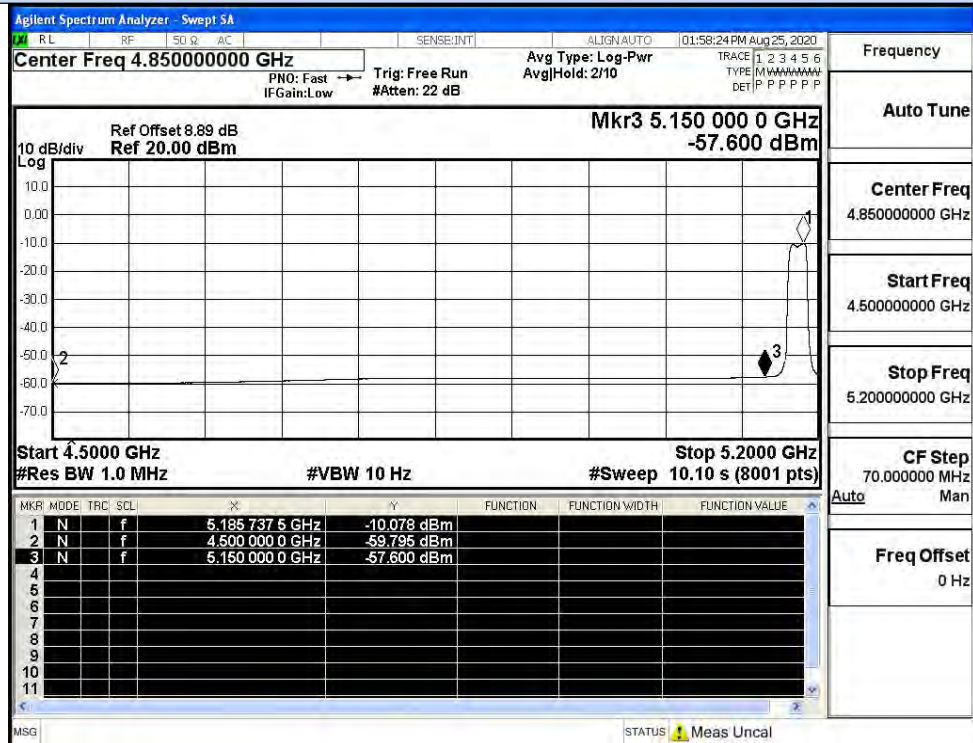
## C.5 Undesirable Emissions Measurement

| Test Mode          | Channel | Frequency (MHz) | Conducted Power (dBm) | Antenna Gain (dBi) | Ground Reflection Factor (dB) | Covert Radiated E Level At 3m (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|--------------------|---------|-----------------|-----------------------|--------------------|-------------------------------|----------------------------------------|----------|----------------|---------|
| 11A                | 36      | 4500.0          | -50.49                | 2.00               | 0                             | 46.74                                  | Peak     | 68.20          | Pass    |
|                    |         | 4500.0          | -59.80                | 2.00               | 0                             | 37.43                                  | Average  | 54.00          | Pass    |
|                    |         | 5150.0          | -47.85                | 2.00               | 0                             | 49.38                                  | Peak     | 68.20          | Pass    |
|                    |         | 5150.0          | -57.60                | 2.00               | 0                             | 39.63                                  | Average  | 54.00          | Pass    |
|                    | 48      | 5350.0          | -48.75                | 2.00               | 0                             | 48.48                                  | Peak     | 68.20          | Pass    |
|                    |         | 5350.0          | -59.22                | 2.00               | 0                             | 38.01                                  | Average  | 54.00          | Pass    |
|                    |         | 5460.0          | -49.29                | 2.00               | 0                             | 47.94                                  | Peak     | 68.20          | Pass    |
|                    |         | 5460.0          | -59.36                | 2.00               | 0                             | 37.87                                  | Average  | 54.00          | Pass    |
| 11N2<br>0<br>SISO  | 36      | 4500.0          | -49.54                | 2.00               | 0                             | 47.69                                  | Peak     | 68.20          | Pass    |
|                    |         | 4500.0          | -59.80                | 2.00               | 0                             | 37.43                                  | Average  | 54.00          | Pass    |
|                    |         | 5150.0          | -46.35                | 2.00               | 0                             | 50.88                                  | Peak     | 68.20          | Pass    |
|                    |         | 5150.0          | -57.50                | 2.00               | 0                             | 39.73                                  | Average  | 54.00          | Pass    |
|                    | 48      | 5350.0          | -48.17                | 2.00               | 0                             | 49.06                                  | Peak     | 68.20          | Pass    |
|                    |         | 5350.0          | -59.24                | 2.00               | 0                             | 37.99                                  | Average  | 54.00          | Pass    |
|                    |         | 5460.0          | -48.44                | 2.00               | 0                             | 48.79                                  | Peak     | 68.20          | Pass    |
|                    |         | 5460.0          | -59.40                | 2.00               | 0                             | 37.83                                  | Average  | 54.00          | Pass    |
| 11N4<br>0<br>SISO  | 38      | 4500.0          | -49.03                | 2.00               | 0                             | 48.20                                  | Peak     | 68.20          | Pass    |
|                    |         | 4500.0          | -59.77                | 2.00               | 0                             | 37.46                                  | Average  | 54.00          | Pass    |
|                    |         | 5150.0          | -47.01                | 2.00               | 0                             | 50.22                                  | Peak     | 68.20          | Pass    |
|                    |         | 5150.0          | -57.61                | 2.00               | 0                             | 39.62                                  | Average  | 54.00          | Pass    |
|                    | 46      | 5350.0          | -48.70                | 2.00               | 0                             | 48.53                                  | Peak     | 68.20          | Pass    |
|                    |         | 5350.0          | -58.89                | 2.00               | 0                             | 38.34                                  | Average  | 54.00          | Pass    |
|                    |         | 5460.0          | -48.72                | 2.00               | 0                             | 48.51                                  | Peak     | 68.20          | Pass    |
|                    |         | 5460.0          | -59.01                | 2.00               | 0                             | 38.22                                  | Average  | 54.00          | Pass    |
| 11A<br>C20<br>SISO | 36      | 4500.0          | -49.75                | 2.00               | 0                             | 47.48                                  | Peak     | 68.20          | Pass    |
|                    |         | 4500.0          | -59.78                | 2.00               | 0                             | 37.45                                  | Average  | 54.00          | Pass    |
|                    |         | 5150.0          | -47.47                | 2.00               | 0                             | 49.76                                  | Peak     | 68.20          | Pass    |
|                    |         | 5150.0          | -57.69                | 2.00               | 0                             | 39.54                                  | Average  | 54.00          | Pass    |
|                    | 48      | 4500.0          | -49.75                | 2.00               | 0                             | 47.48                                  | Peak     | 68.20          | Pass    |
|                    |         | 4500.0          | -59.78                | 2.00               | 0                             | 37.45                                  | Average  | 54.00          | Pass    |
|                    |         | 5150.0          | -47.47                | 2.00               | 0                             | 49.76                                  | Peak     | 68.20          | Pass    |
|                    |         | 5150.0          | -57.69                | 2.00               | 0                             | 39.54                                  | Average  | 54.00          | Pass    |
| 11A<br>C40<br>SISO | 38      | 4500.0          | -49.37                | 2.00               | 0                             | 47.86                                  | Peak     | 68.20          | Pass    |
|                    |         | 4500.0          | -59.81                | 2.00               | 0                             | 37.42                                  | Average  | 54.00          | Pass    |
|                    |         | 5150.0          | -47.53                | 2.00               | 0                             | 49.70                                  | Peak     | 68.20          | Pass    |
|                    |         | 5150.0          | -57.63                | 2.00               | 0                             | 39.60                                  | Average  | 54.00          | Pass    |
|                    | 46      | 5350.0          | -49.28                | 2.00               | 0                             | 47.95                                  | Peak     | 68.20          | Pass    |
|                    |         | 5350.0          | -58.98                | 2.00               | 0                             | 38.25                                  | Average  | 54.00          | Pass    |
|                    |         | 5460.0          | -48.65                | 2.00               | 0                             | 48.58                                  | Peak     | 68.20          | Pass    |
|                    |         | 5460.0          | -59.11                | 2.00               | 0                             | 38.12                                  | Average  | 54.00          | Pass    |
| 11A<br>C80<br>SISO | 42      | 4500.0          | -48.82                | 2.00               | 0                             | 48.41                                  | Peak     | 68.20          | Pass    |
|                    |         | 4500.0          | -59.76                | 2.00               | 0                             | 37.47                                  | Average  | 54.00          | Pass    |
|                    |         | 5150.0          | -45.39                | 2.00               | 0                             | 51.84                                  | Peak     | 68.20          | Pass    |
|                    |         | 5150.0          | -55.51                | 2.00               | 0                             | 41.72                                  | Average  | 54.00          | Pass    |
|                    |         | 5350.0          | -48.79                | 2.00               | 0                             | 48.44                                  | Peak     | 68.20          | Pass    |
|                    |         | 5350.0          | -58.51                | 2.00               | 0                             | 38.72                                  | Average  | 54.00          | Pass    |
|                    |         | 5460.0          | -48.90                | 2.00               | 0                             | 48.33                                  | Peak     | 68.20          | Pass    |
|                    |         | 5460.0          | -58.65                | 2.00               | 0                             | 38.58                                  | Average  | 54.00          | Pass    |

### Undesirable Emissions Measurement

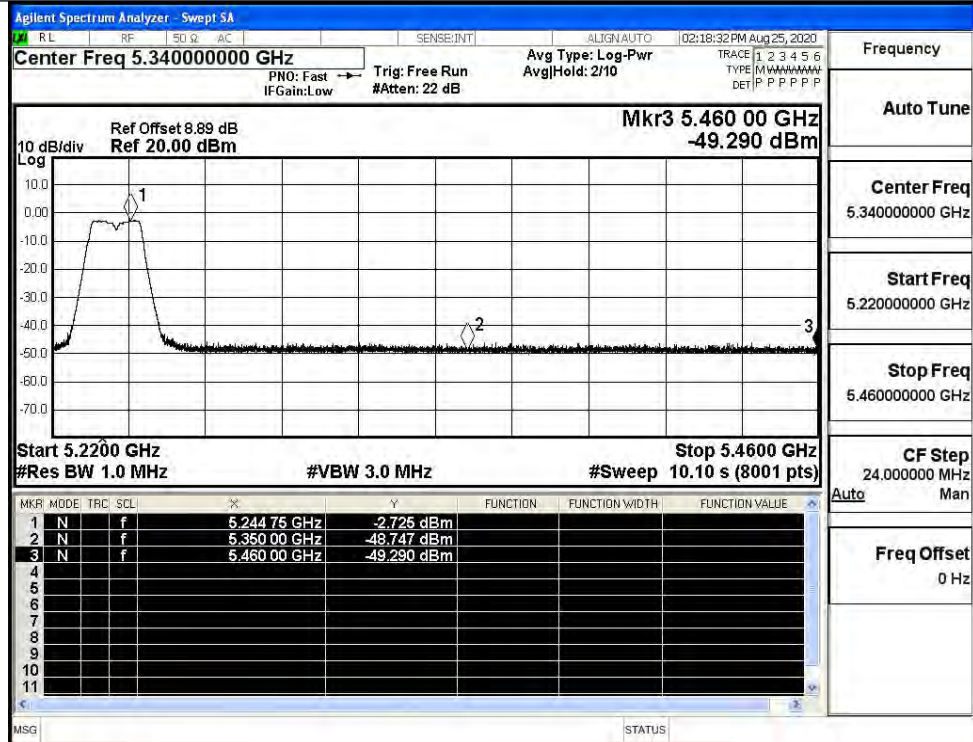


### IEEE 802.11a / Channel 36 / 5180MHz / Peak

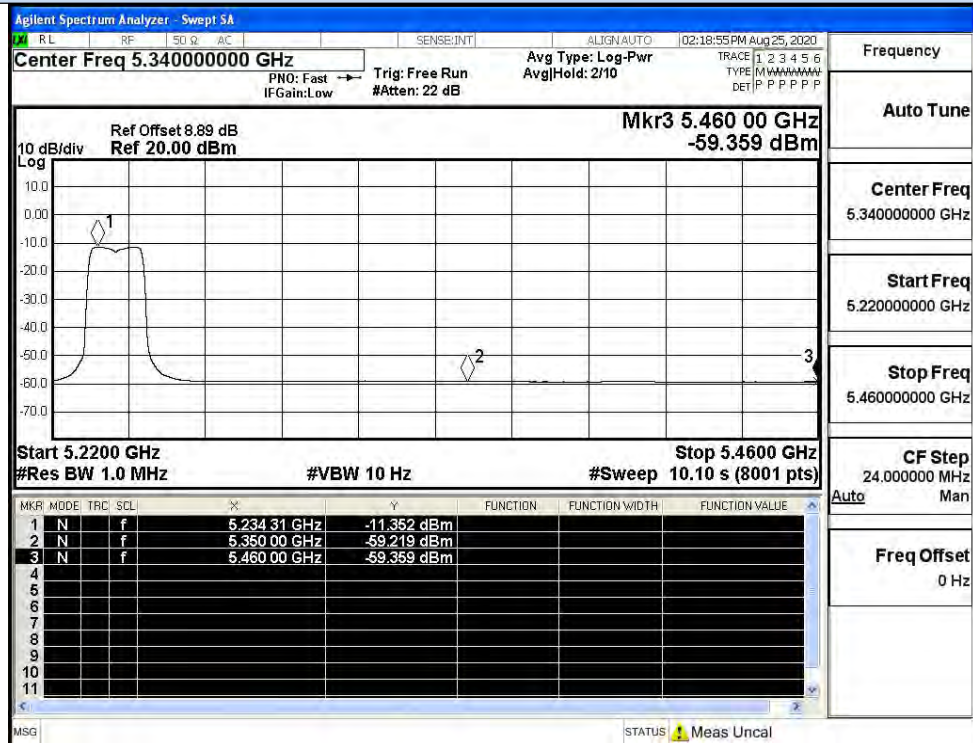


### IEEE 802.11a / Channel 36 / 5180MHz / Average

### Undesirable Emissions Measurement

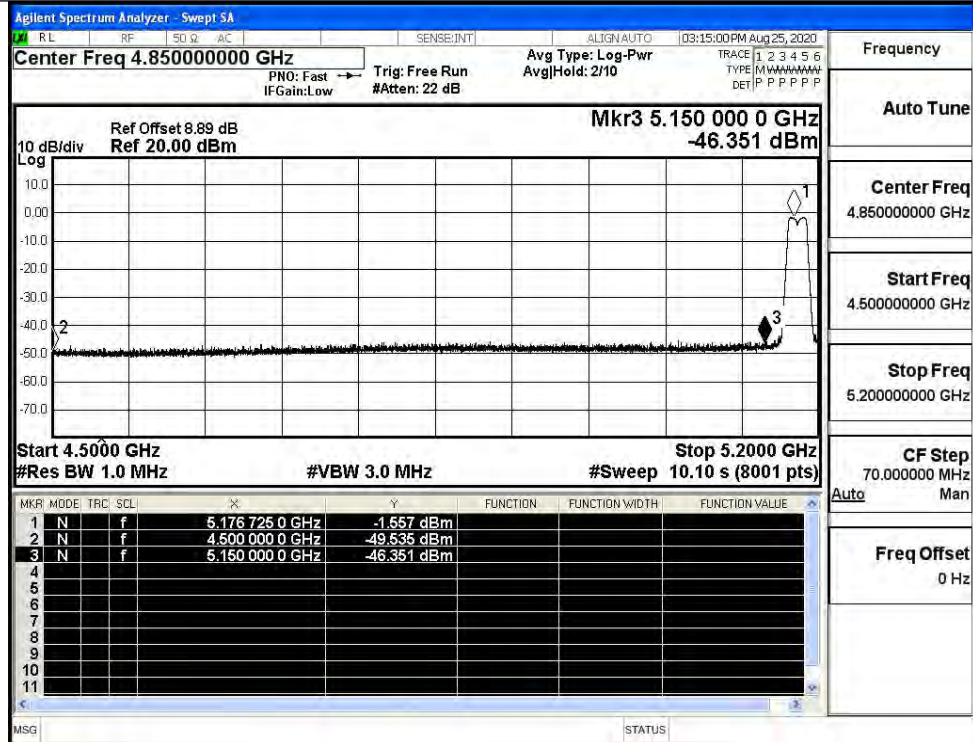


### IEEE 802.11a / Channel 48 / 5240MHz / Peak

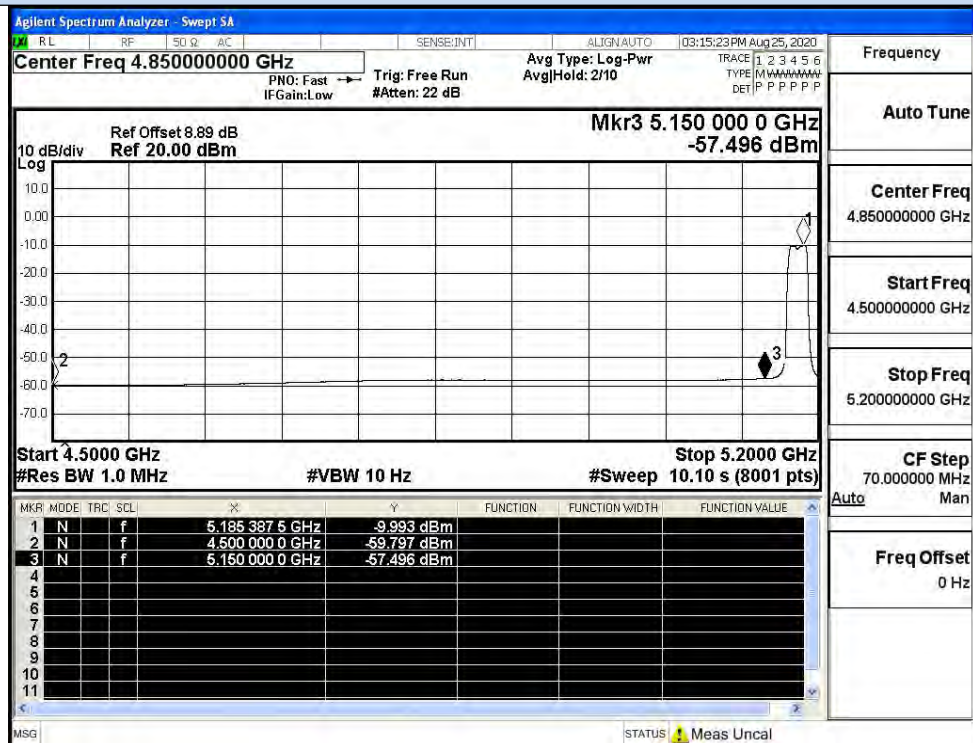


### IEEE 802.11a / Channel 48 / 5240MHz / Average

### Undesirable Emissions Measurement

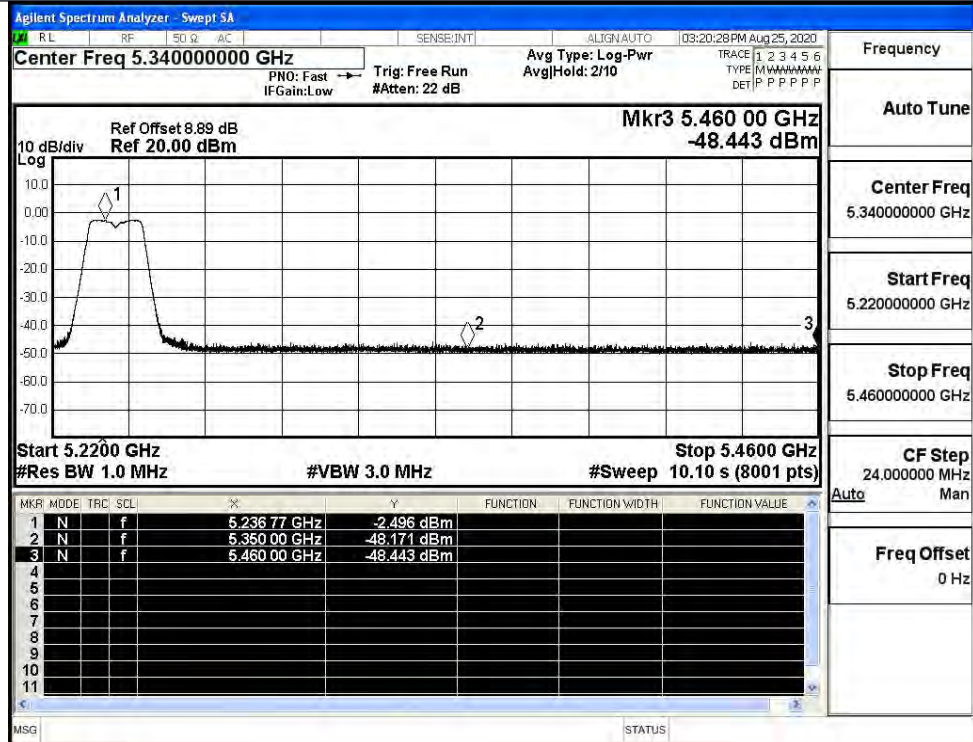


### IEEE 802.11n20 / Channel 36 / 5180MHz / Peak

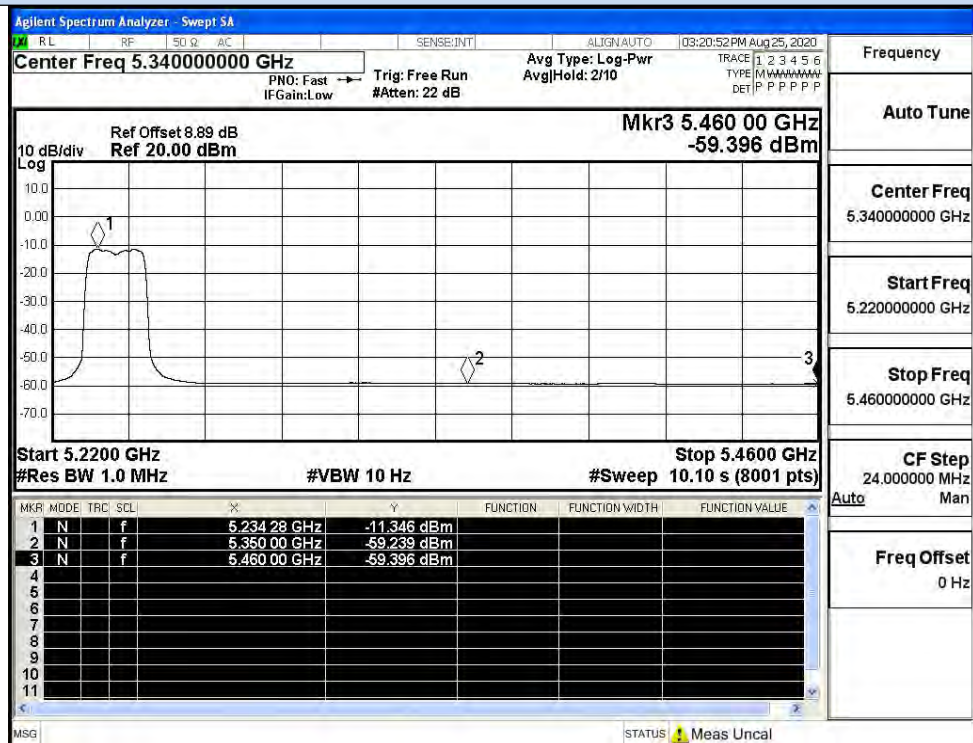


### IEEE 802.11n20 / Channel 36 / 5180MHz / Average

### Undesirable Emissions Measurement

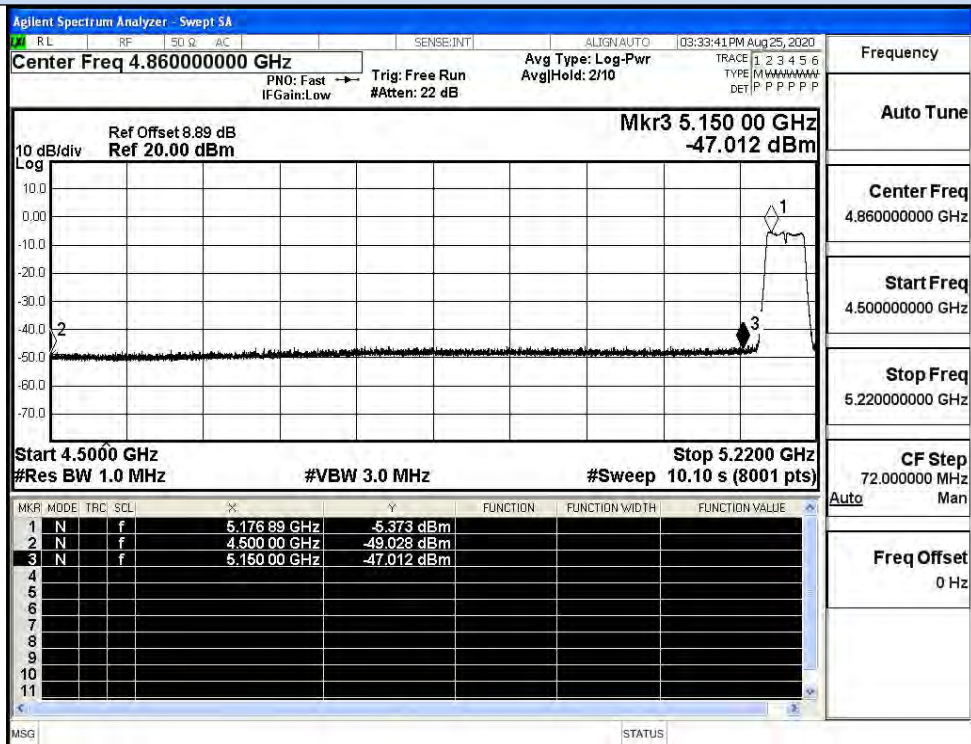


### IEEE 802.11n20 / Channel 48 / 5240MHz / Peak

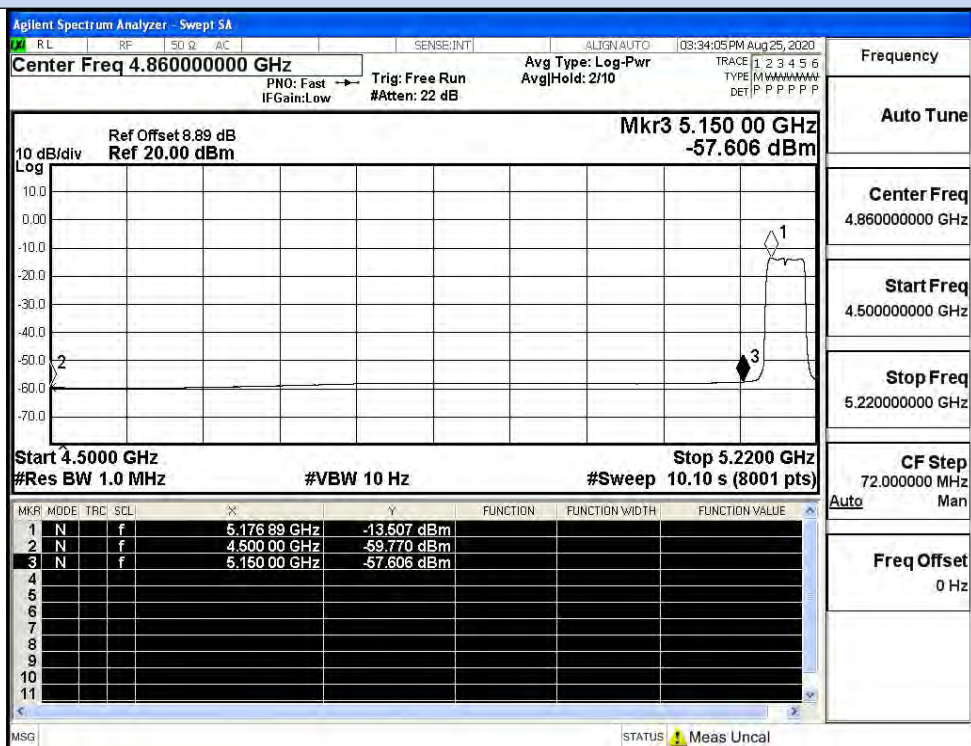


### IEEE 802.11n20 / Channel 48 / 5240MHz / Average

## Undesirable Emissions Measurement

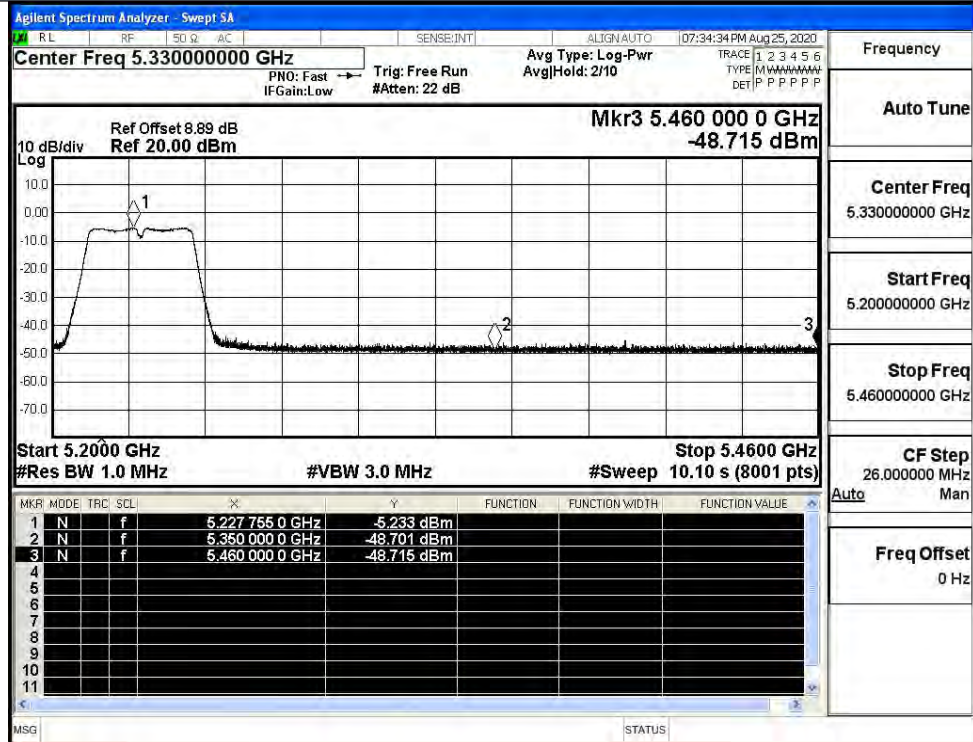


## IEEE 802.11n40 / Channel 38 / 5190MHz / Peak

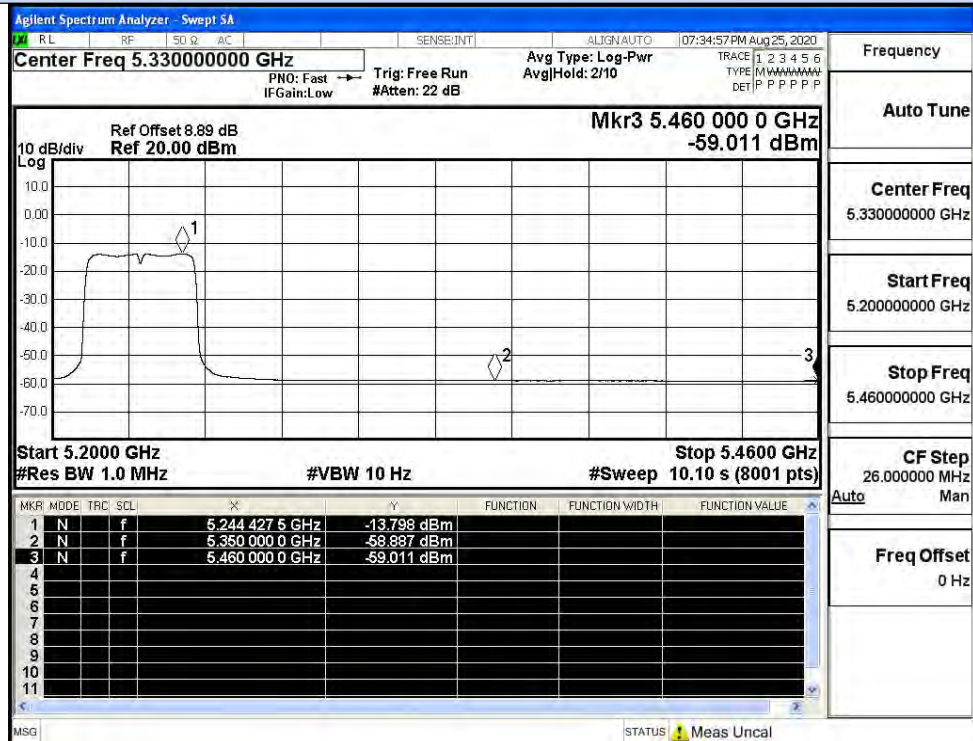


## IEEE 802.11n40 / Channel 38 / 5190MHz / Average

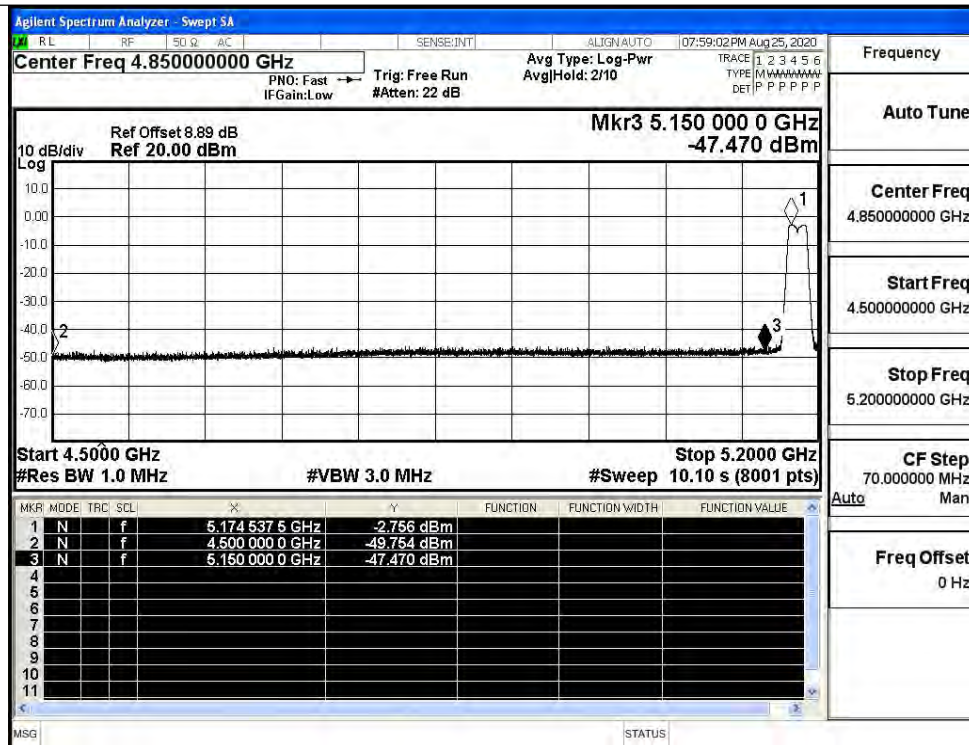
## Undesirable Emissions Measurement



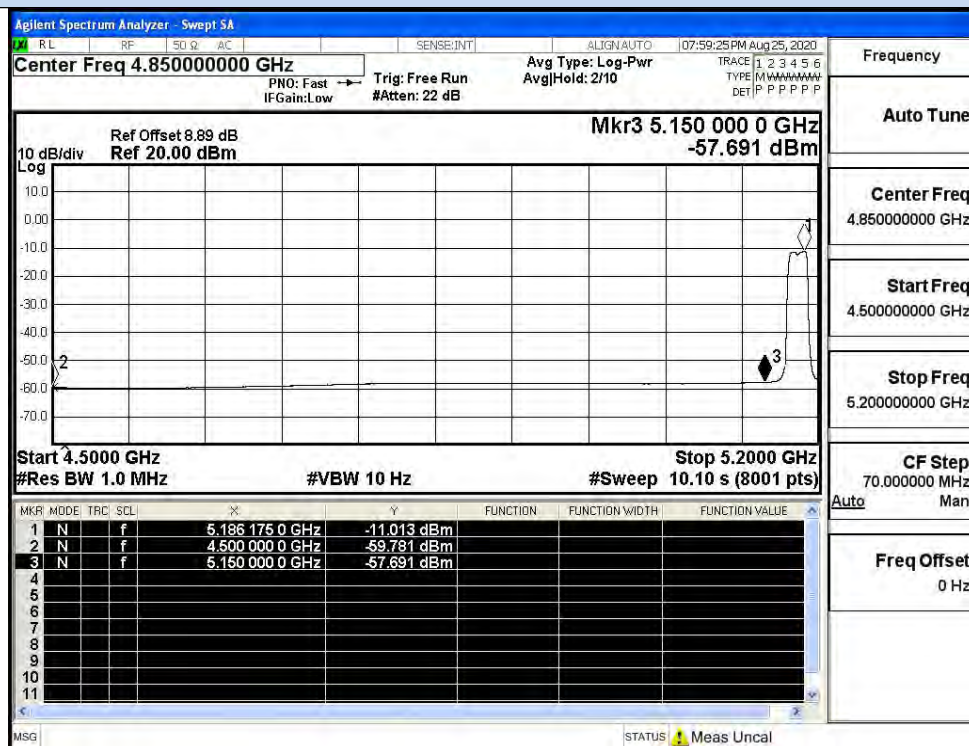
## IEEE 802.11n40 / Channel 46 / 5230MHz / Peak



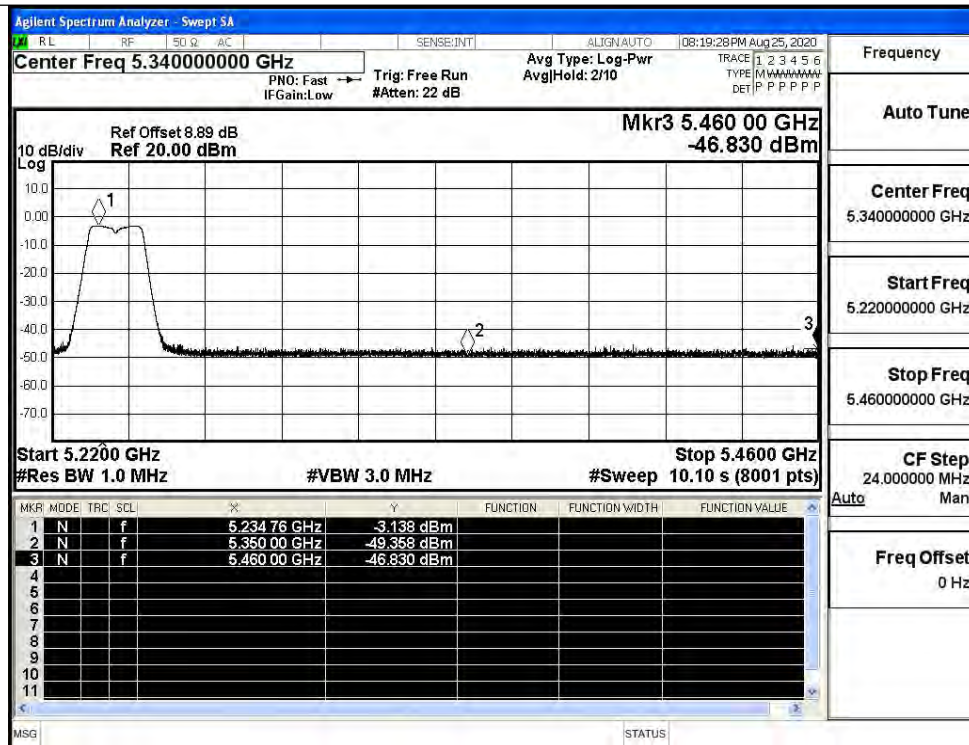
## IEEE 802.11n40 / Channel 46 / 5230MHz / Average



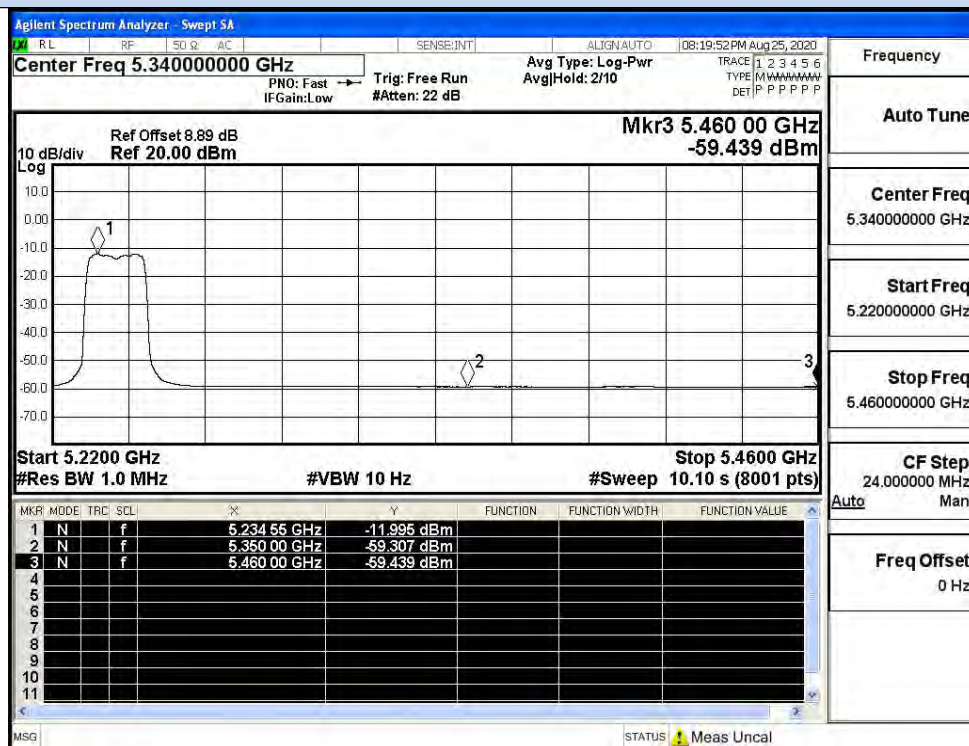
IEEE 802.11ac20 / Channel 36 / 5180MHz / Peak



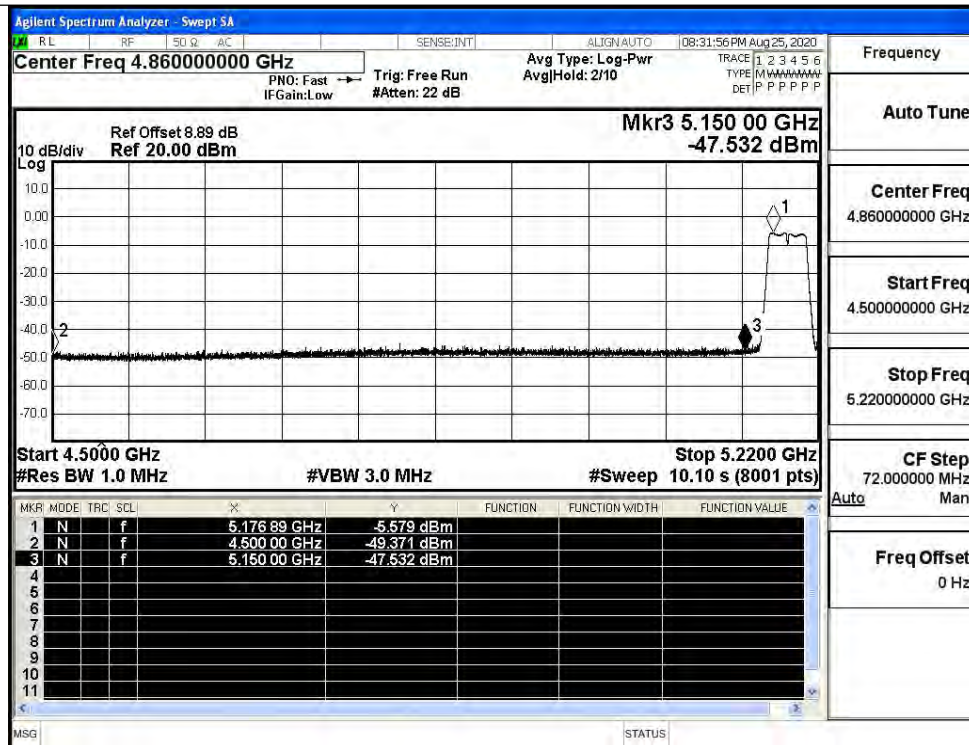
IEEE 802.11ac20 / Channel 36 / 5180MHz / Average



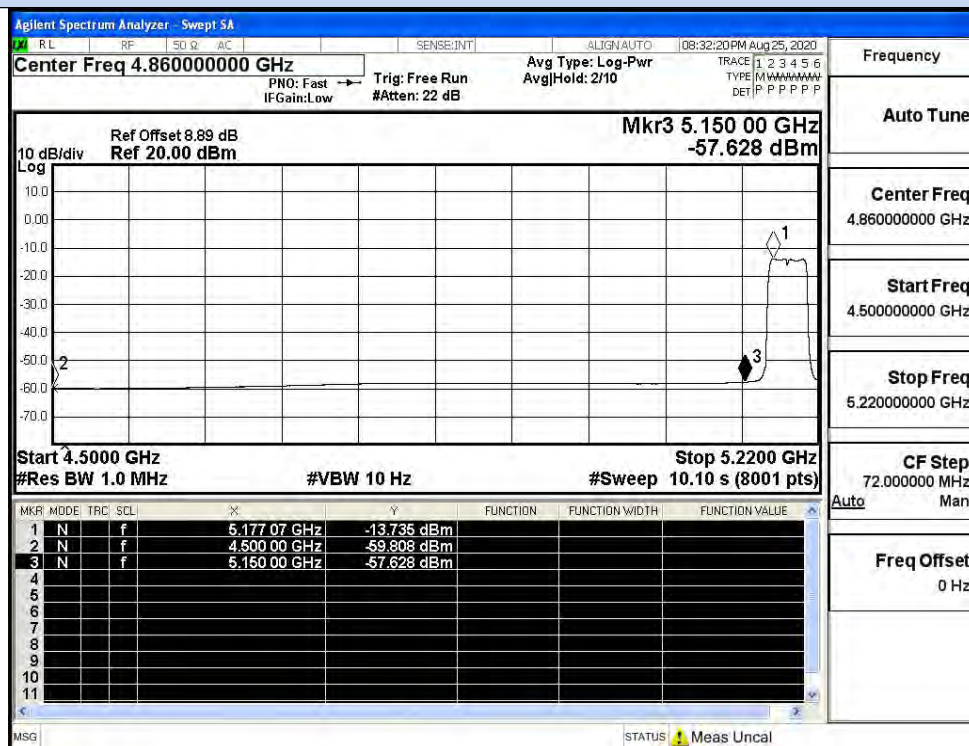
IEEE 802.11ac20 / Channel 48 / 5240MHz / Peak



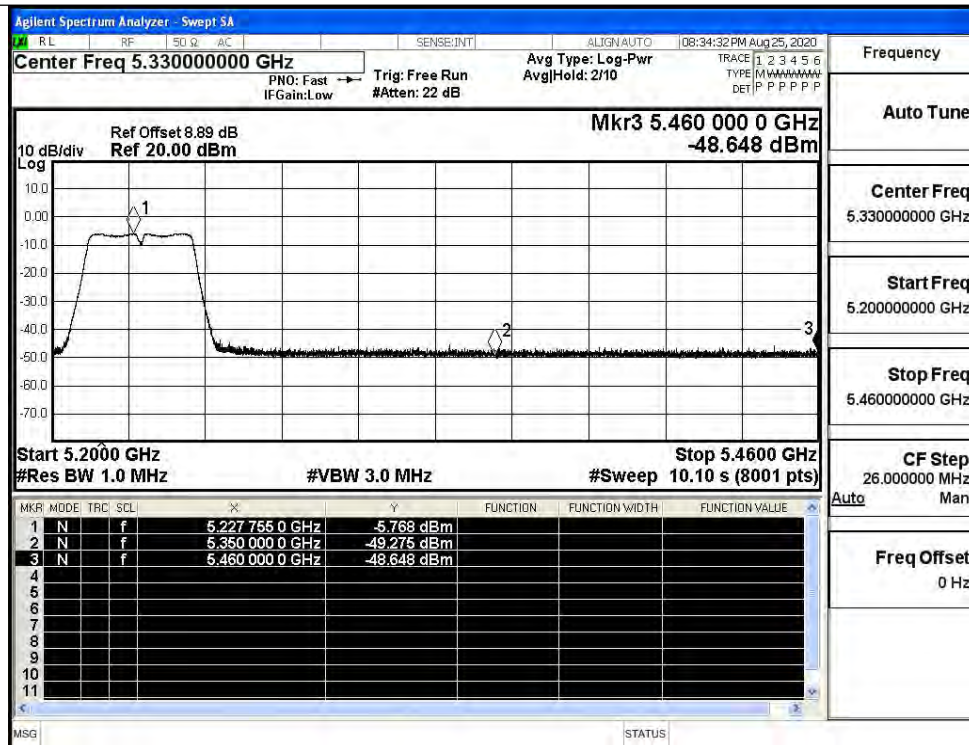
IEEE 802.11ac20 / Channel 48 / 5240MHz / Average



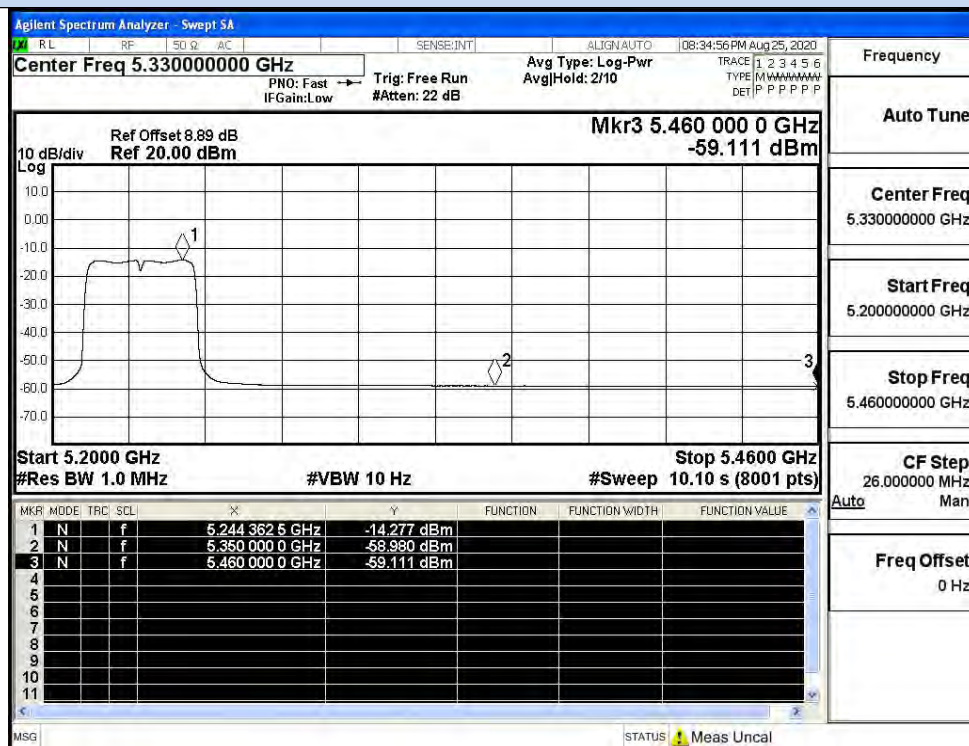
IEEE 802.11ac40 / Channel 38/ 5190MHz / Peak



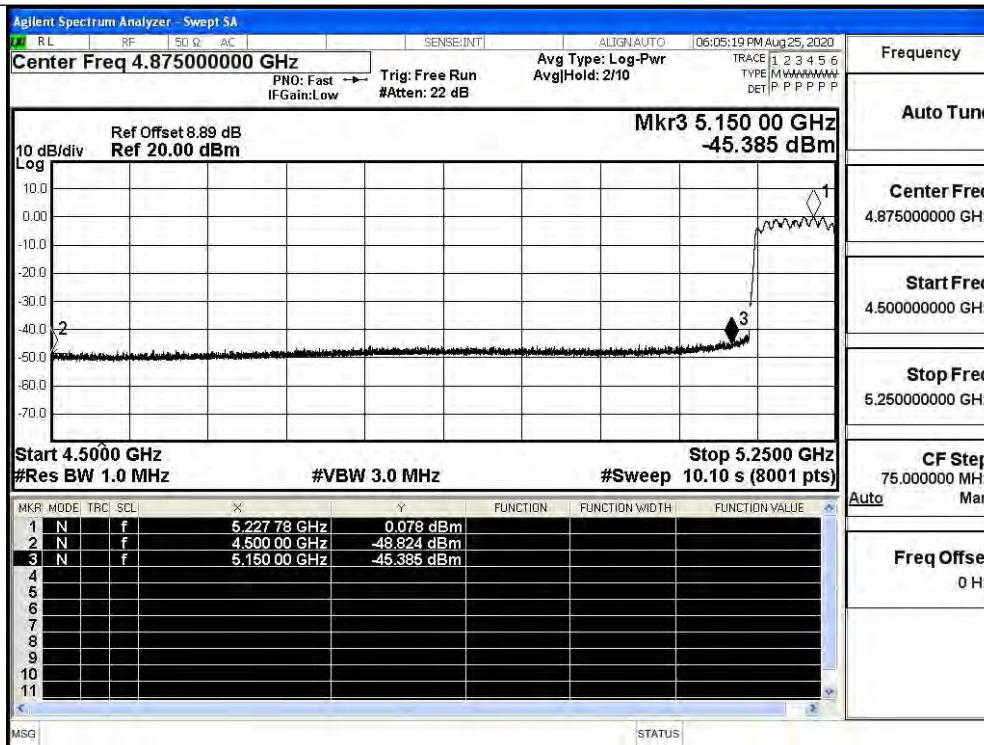
IEEE 802.11ac40 / Channel 38 / 5190MHz / Average



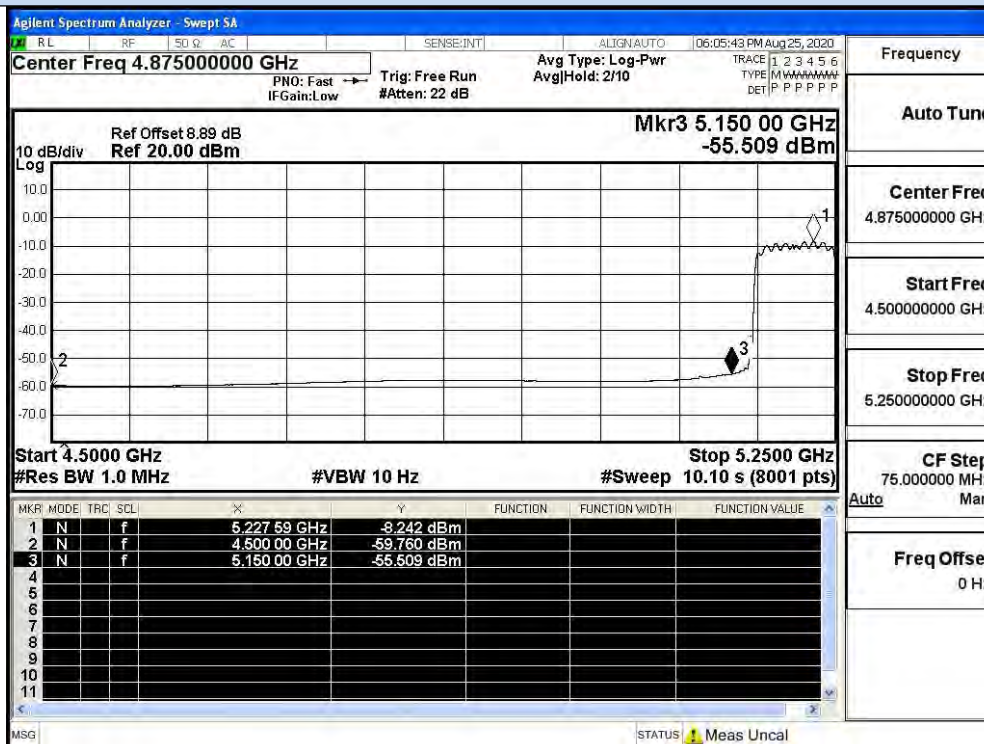
IEEE 802.11ac40 / Channel 46/ 5230MHz / Peak



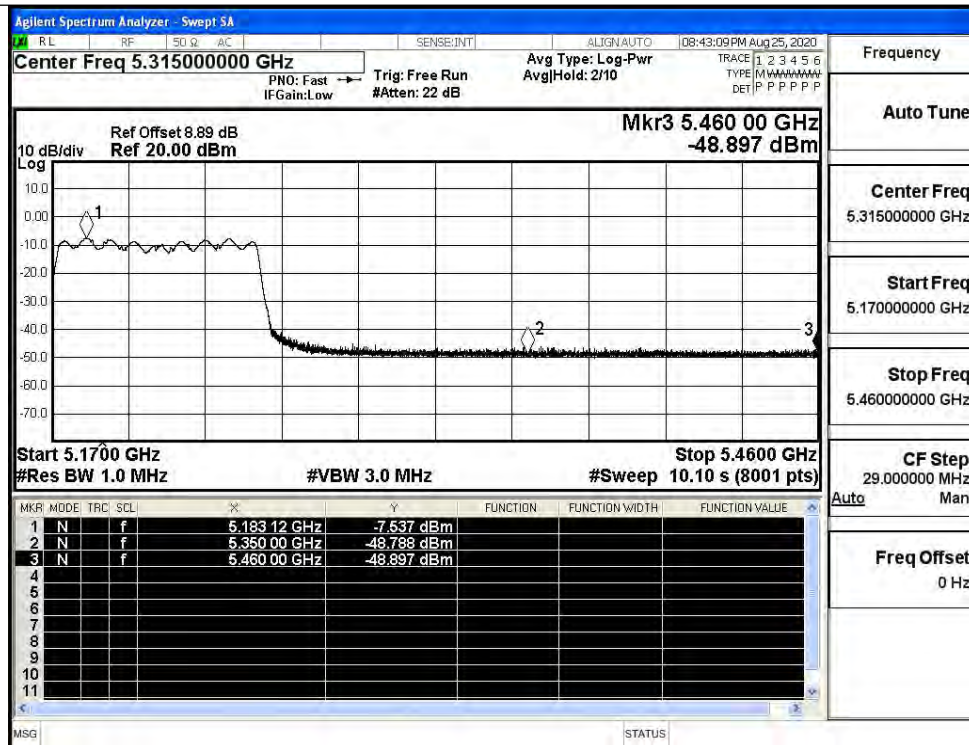
IEEE 802.11ac40 / Channel 46 / 5230MHz / Average



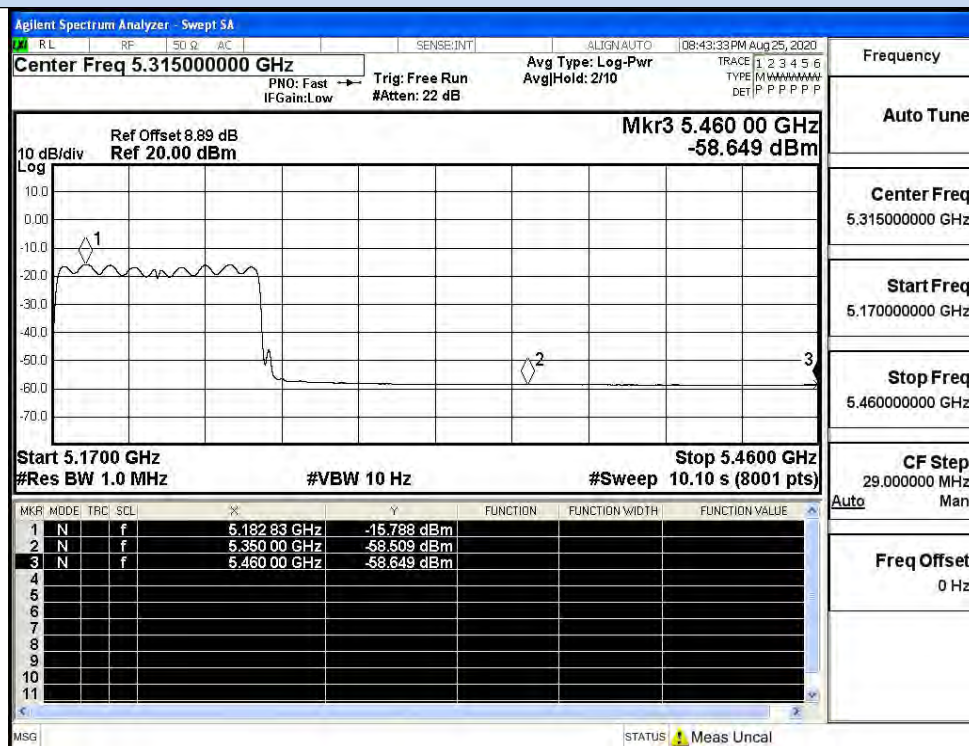
IEEE 802.11ac80 / Channel 42 / 5210MHz / Peak



IEEE 802.11ac80 / Channel 42 / 5210MHz / Average



IEEE 802.11ac80 / Channel 42/ 5210MHz / Peak



IEEE 802.11ac80 / Channel 42 / 5210MHz / Average