

## Appendix E

### RF Test Data for 5.8G WLAN (Conducted Measurement)

**Product Name: I1012**  
**Trade Mark: Hyundai**  
**Test Model: 10WWA464B**

#### Environmental Conditions

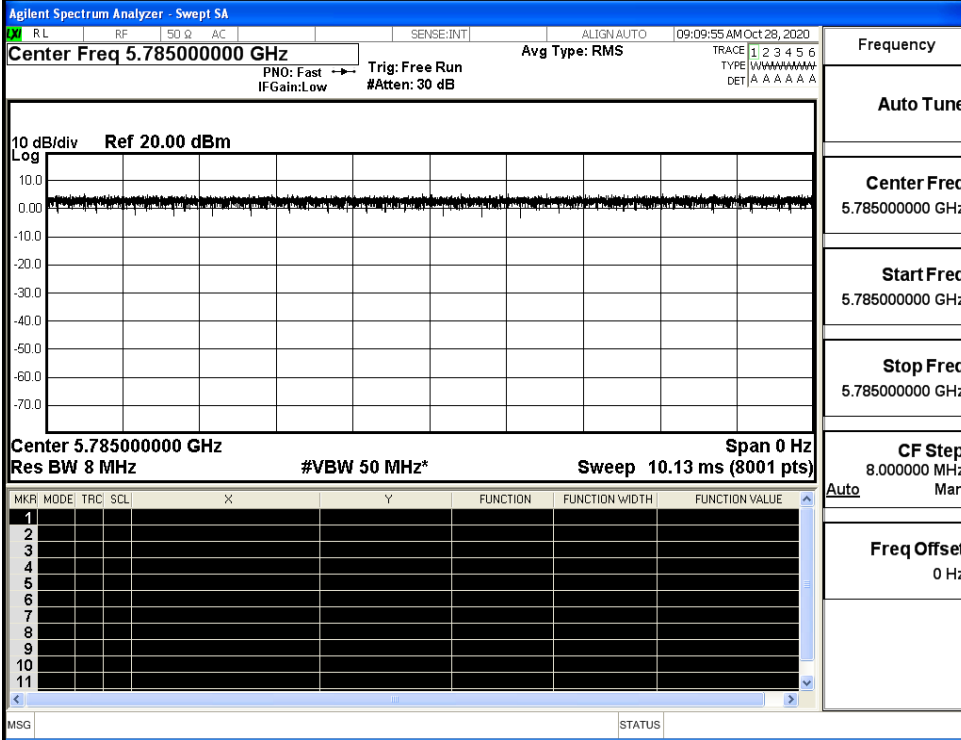
|                    |           |
|--------------------|-----------|
| Temperature:       | 23.4 ° C  |
| Relative Humidity: | 53.7%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Kay Hu    |
| Supervised by:     | Li Huan   |

#### E.1 Duty Cycle

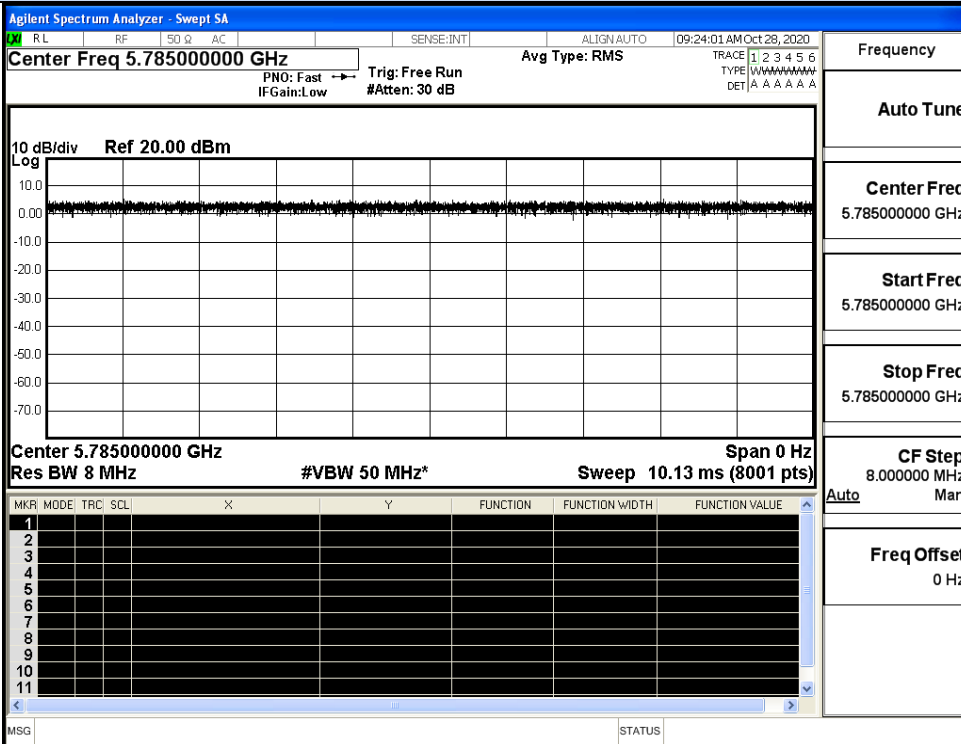
##### ANT 0

| Test Mode   | Test Frequency (MHz) | Duty Cycle (%) | 10log(1/x) Factor (dB) | 1/B Minimum VBW(KHz) |
|-------------|----------------------|----------------|------------------------|----------------------|
| 11A         | 5785                 | 100            | 0.00                   | 0.01                 |
| 11N20 SISO  | 5785                 | 100            | 0.00                   | 0.01                 |
| 11N40 SISO  | 5755                 | 100            | 0.00                   | 0.01                 |
| 11AC20 SISO | 5785                 | 100            | 0.00                   | 0.01                 |
| 11AC40 SISO | 5755                 | 100            | 0.00                   | 0.01                 |
| 11AC80 SISO | 5775                 | 100            | 0.00                   | 0.01                 |

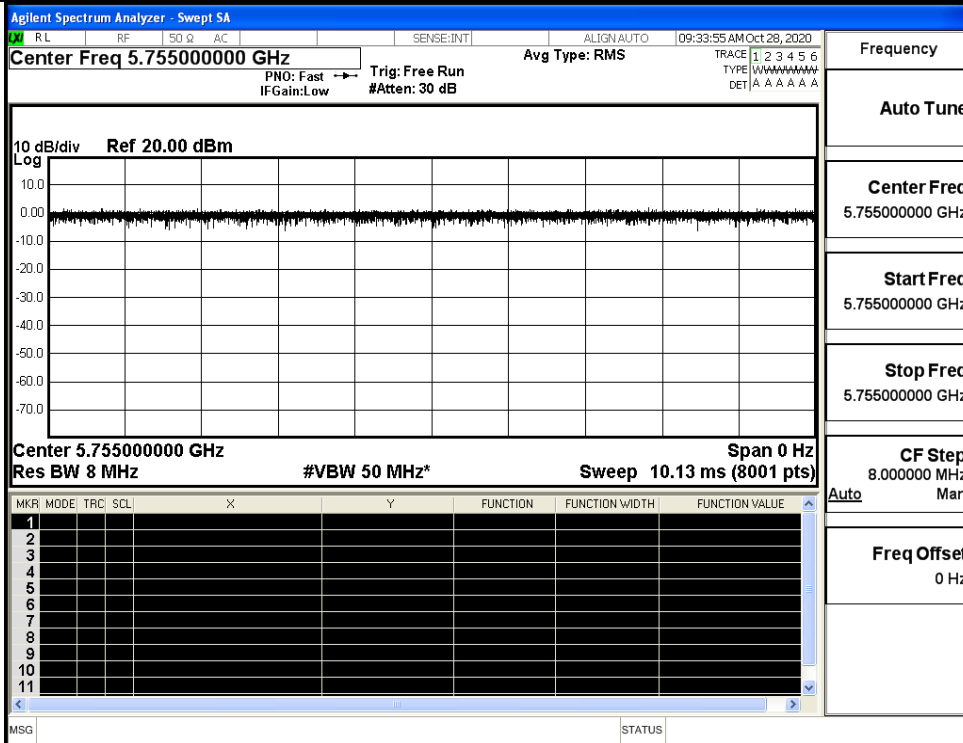
On Time and Duty Cycle



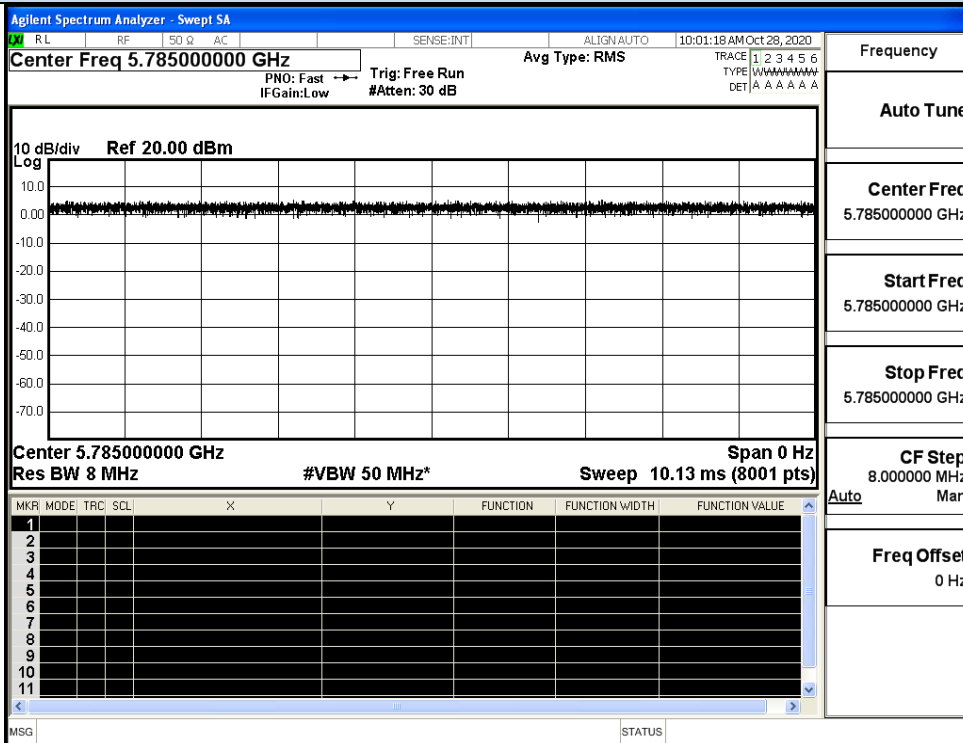
IEEE 802.11a



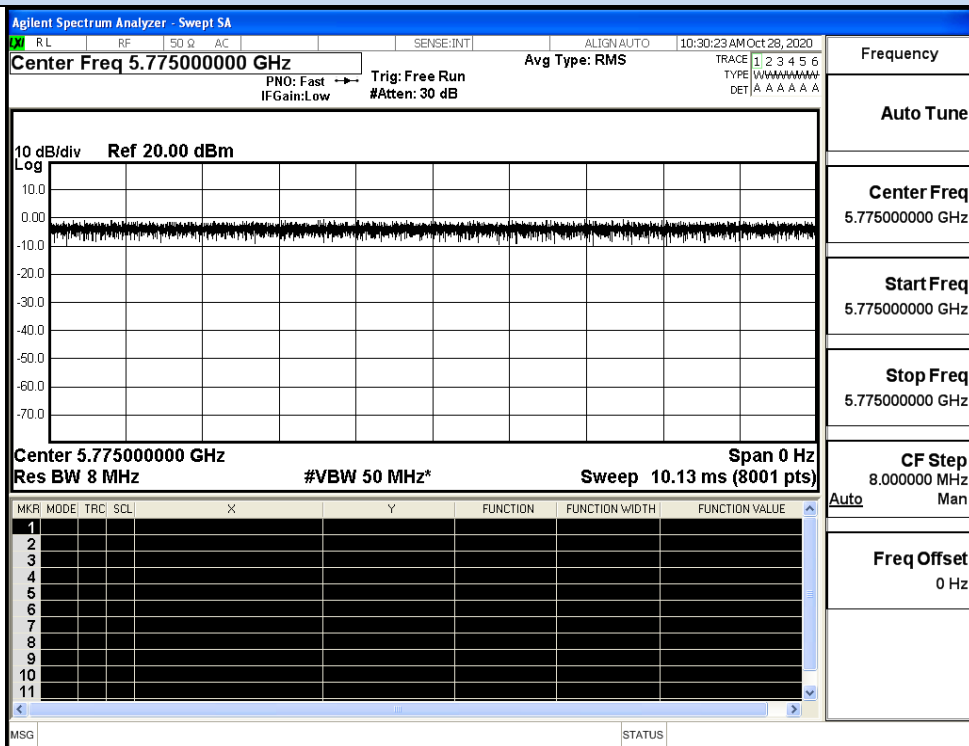
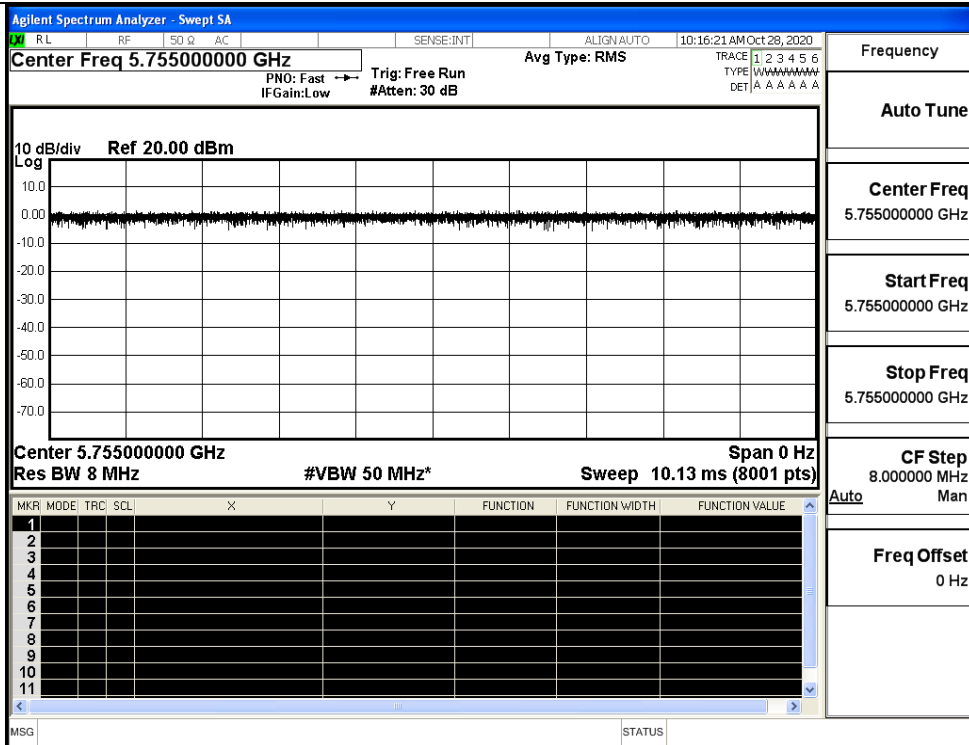
IEEE 802.11n HT20



IEEE 802.11n HT40



IEEE 802.11AC20



**ANT 1**

| <b>Test Mode</b> | <b>Test Frequency (MHz)</b> | <b>Duty Cycle (%)</b> | <b>10log(1/x) Factor (dB)</b> | <b>1/B Minimum VBW(KHz)</b> |
|------------------|-----------------------------|-----------------------|-------------------------------|-----------------------------|
| 11A              | 5785                        | 100                   | 0.00                          | 0.01                        |
| 11N20 SISO       | 5785                        | 100                   | 0.00                          | 0.01                        |
| 11N40 SISO       | 5755                        | 100                   | 0.00                          | 0.01                        |
| 11AC20 SISO      | 5785                        | 100                   | 0.00                          | 0.01                        |
| 11AC40 SISO      | 5755                        | 100                   | 0.00                          | 0.01                        |
| 11AC80 SISO      | 5775                        | 100                   | 0.00                          | 0.01                        |

On Time and Duty Cycle

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.785000000 GHz

Ref 20.00 dBm

10 dB/div

Log

Center 5.785000000 GHz

Res BW 8 MHz

#VBW 50 MHz\*

Sweep 10.13 ms (8001 pts)

Span 0 Hz

| MKR | MODE | TRC | SCL | X | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|---|---|----------|----------------|----------------|
| 1   |      |     |     |   |   |          |                |                |
| 2   |      |     |     |   |   |          |                |                |
| 3   |      |     |     |   |   |          |                |                |
| 4   |      |     |     |   |   |          |                |                |
| 5   |      |     |     |   |   |          |                |                |
| 6   |      |     |     |   |   |          |                |                |
| 7   |      |     |     |   |   |          |                |                |
| 8   |      |     |     |   |   |          |                |                |
| 9   |      |     |     |   |   |          |                |                |
| 10  |      |     |     |   |   |          |                |                |
| 11  |      |     |     |   |   |          |                |                |

Frequency

Auto Tune

Center Freq 5.785000000 GHz

Start Freq 5.785000000 GHz

Stop Freq 5.785000000 GHz

CF Step 8.000000 MHz

Freq Offset 0 Hz

IEEE 802.11a

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.785000000 GHz

Ref 20.00 dBm

10 dB/div

Log

Center 5.785000000 GHz

Res BW 8 MHz

#VBW 50 MHz\*

Sweep 10.13 ms (8001 pts)

Span 0 Hz

| MKR | MODE | TRC | SCL | X | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |
|-----|------|-----|-----|---|---|----------|----------------|----------------|
| 1   |      |     |     |   |   |          |                |                |
| 2   |      |     |     |   |   |          |                |                |
| 3   |      |     |     |   |   |          |                |                |
| 4   |      |     |     |   |   |          |                |                |
| 5   |      |     |     |   |   |          |                |                |
| 6   |      |     |     |   |   |          |                |                |
| 7   |      |     |     |   |   |          |                |                |
| 8   |      |     |     |   |   |          |                |                |
| 9   |      |     |     |   |   |          |                |                |
| 10  |      |     |     |   |   |          |                |                |
| 11  |      |     |     |   |   |          |                |                |

Frequency

Auto Tune

Center Freq 5.785000000 GHz

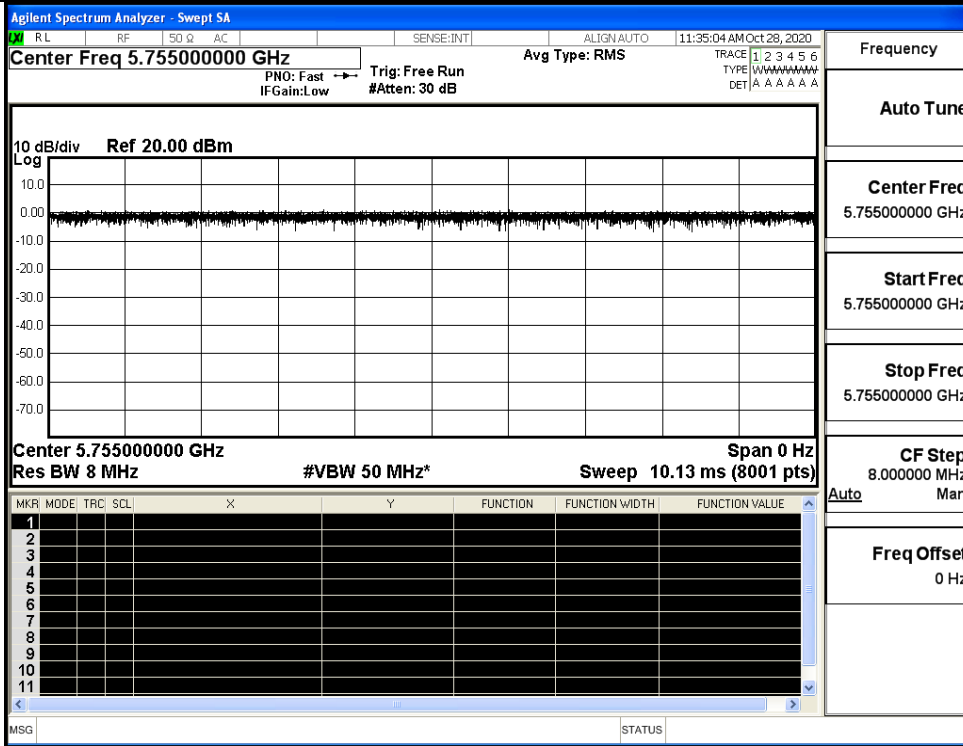
Start Freq 5.785000000 GHz

Stop Freq 5.785000000 GHz

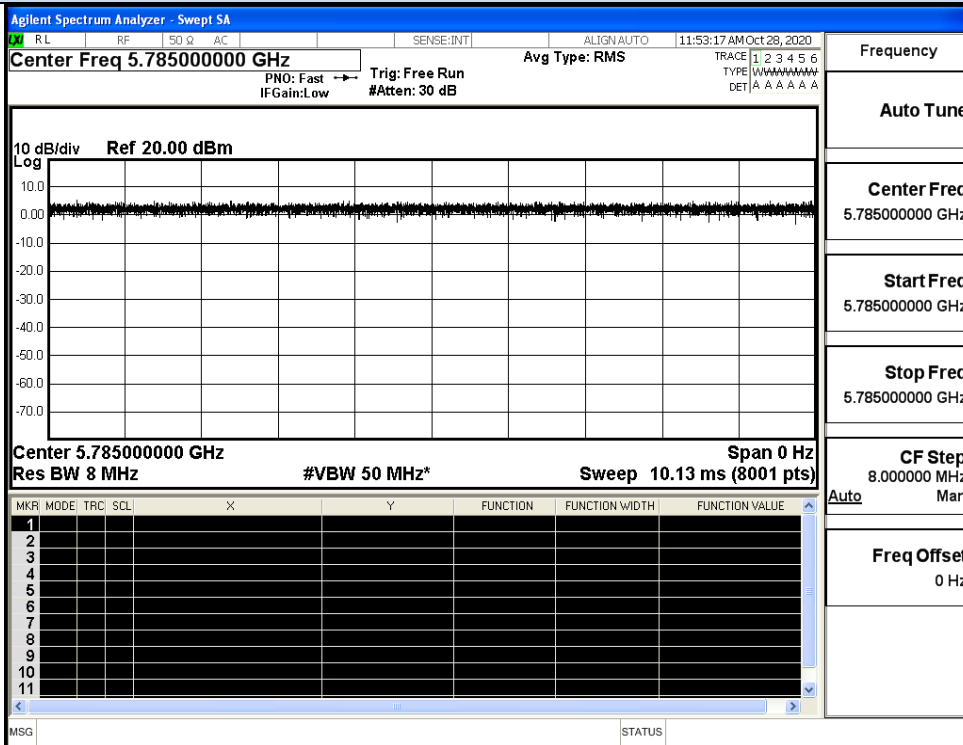
CF Step 8.000000 MHz

Freq Offset 0 Hz

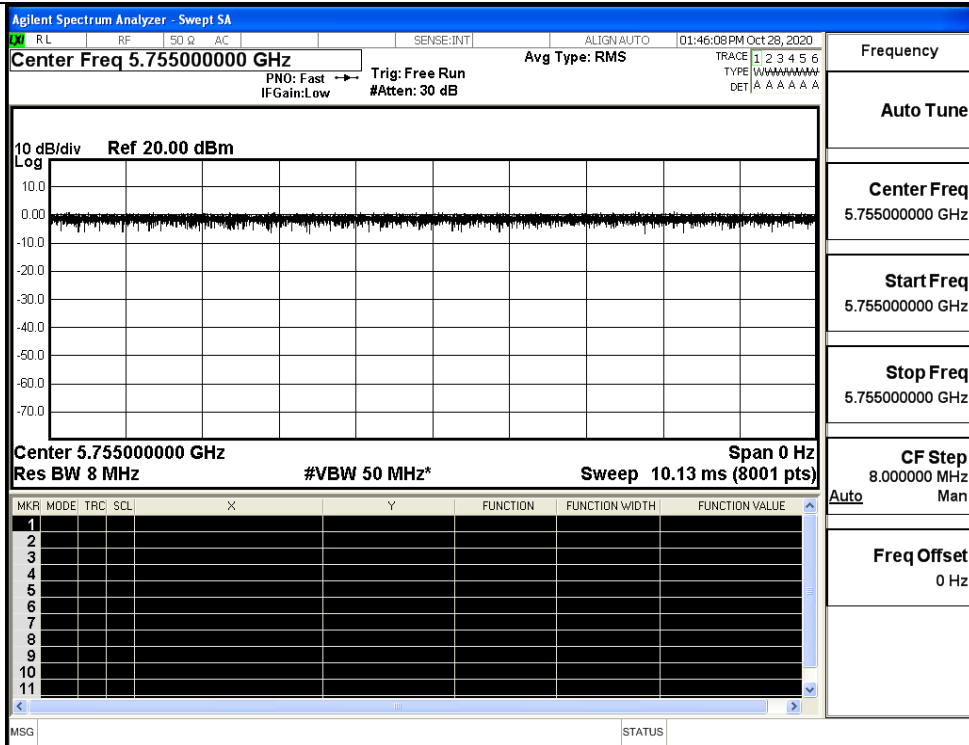
IEEE 802.11n HT20



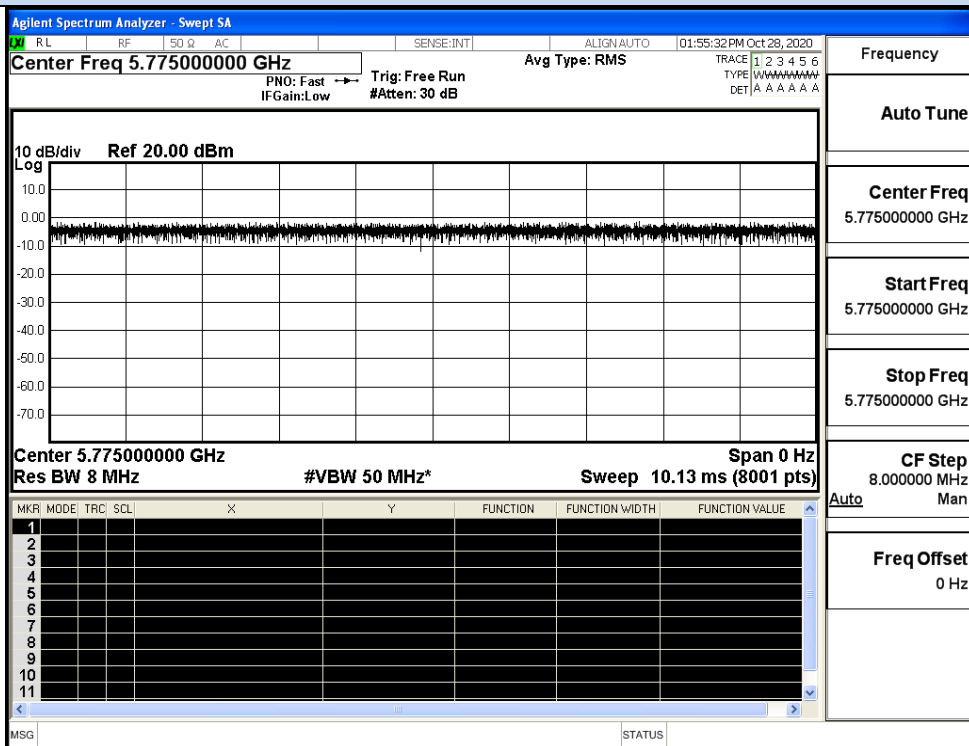
IEEE 802.11n HT40



IEEE 802.11AC20



IEEE 802.11AC40



IEEE 802.11AC80



**E.2 Maximum Conduct Output Power****ANT 0**

| Test Mode   | Channel | Frequency (MHz) | AVG Conducted Power (dBm) | Duty Cycle Factor(dB) | Report Conducted Power(dBm) | Limit (dBm) | Verdict |
|-------------|---------|-----------------|---------------------------|-----------------------|-----------------------------|-------------|---------|
| 11A         | 149     | 5745            | 4.23                      | 0                     | 4.23                        | 30          | Pass    |
|             | 157     | 5785            | 4.19                      | 0                     | 4.19                        |             | Pass    |
|             | 165     | 5825            | 4.24                      | 0                     | 4.24                        |             | Pass    |
| 11N20 SISO  | 149     | 5745            | 4.33                      | 0                     | 4.33                        | 30          | Pass    |
|             | 157     | 5785            | 4.10                      | 0                     | 4.10                        |             | Pass    |
|             | 165     | 5825            | 4.09                      | 0                     | 4.09                        |             | Pass    |
| 11N40 SISO  | 151     | 5755            | 4.46                      | 0                     | 4.46                        | 30          | Pass    |
|             | 159     | 5795            | 4.20                      | 0                     | 4.20                        |             | Pass    |
| 11AC20 SISO | 149     | 5745            | 4.21                      | 0                     | 4.21                        | 30          | Pass    |
|             | 157     | 5785            | 4.30                      | 0                     | 4.30                        |             | Pass    |
|             | 165     | 5825            | 4.14                      | 0                     | 4.14                        |             | Pass    |
| 11AC40 SISO | 151     | 5755            | 4.11                      | 0                     | 4.11                        | 30          | Pass    |
|             | 159     | 5795            | 4.12                      | 0                     | 4.12                        |             | Pass    |
| 11AC80 SISO | 155     | 5775            | 4.23                      | 0                     | 4.23                        | 30          | Pass    |

**ANT 1**

| Test Mode   | Channel | Frequency (MHz) | AVG Conducted Power (dBm) | Duty Cycle Factor(dB) | Report Conducted Power(dBm) | Limit (dBm) | Verdict |
|-------------|---------|-----------------|---------------------------|-----------------------|-----------------------------|-------------|---------|
| 11A         | 149     | 5745            | 4.32                      | 0                     | 4.32                        | 30          | Pass    |
|             | 157     | 5785            | 4.15                      | 0                     | 4.15                        |             | Pass    |
|             | 165     | 5825            | 4.22                      | 0                     | 4.22                        |             | Pass    |
| 11N20 SISO  | 149     | 5745            | 4.29                      | 0                     | 4.29                        | 30          | Pass    |
|             | 157     | 5785            | 4.18                      | 0                     | 4.18                        |             | Pass    |
|             | 165     | 5825            | 4.47                      | 0                     | 4.47                        |             | Pass    |
| 11N40 SISO  | 151     | 5755            | 4.26                      | 0                     | 4.26                        | 30          | Pass    |
|             | 159     | 5795            | 4.27                      | 0                     | 4.27                        |             | Pass    |
| 11AC20 SISO | 149     | 5745            | 4.20                      | 0                     | 4.20                        | 30          | Pass    |
|             | 157     | 5785            | 4.19                      | 0                     | 4.19                        |             | Pass    |
|             | 165     | 5825            | 4.35                      | 0                     | 4.35                        |             | Pass    |
| 11AC40 SISO | 151     | 5755            | 4.28                      | 0                     | 4.28                        | 30          | Pass    |
|             | 159     | 5795            | 4.32                      | 0                     | 4.32                        |             | Pass    |
| 11AC80 SISO | 155     | 5775            | 4.26                      | 0                     | 4.26                        | 30          | Pass    |

**ANT0+ANT1**

| Test Mode | Channel | Frequency (MHz) | Peak Conducted Power (dBm) |      |      | Limit (dBm) |
|-----------|---------|-----------------|----------------------------|------|------|-------------|
|           |         |                 | Ant0                       | Ant1 | Sum  |             |
| 11N20     | 149     | 5745            | 4.33                       | 4.29 | 7.32 | 30          |
|           | 157     | 5785            | 4.10                       | 4.18 | 7.15 |             |
|           | 165     | 5825            | 4.09                       | 4.47 | 7.29 |             |
| 11N40     | 151     | 5755            | 4.46                       | 4.26 | 7.37 | 30          |
|           | 159     | 5795            | 4.20                       | 4.27 | 7.25 |             |
| 11AC20    | 149     | 5745            | 4.21                       | 4.20 | 7.22 | 30          |
|           | 157     | 5785            | 4.30                       | 4.19 | 7.26 |             |
|           | 165     | 5825            | 4.14                       | 4.35 | 7.26 |             |
| 11AC40    | 151     | 5755            | 4.11                       | 4.28 | 7.21 | 30          |
|           | 159     | 5795            | 4.12                       | 4.32 | 7.23 |             |
| 11AC80    | 155     | 5775            | 4.23                       | 4.26 | 7.26 | 30          |

### E.3 Power Spectral Density

#### ANT 0

| Test Mode   | Channel | Frequency (MHz) | Power Density (dBm/510KHz) | Duty Cycle Factor (dB) | Report Power Density (dBm/500KHz) | Limit (dBm/500KHz) | Verdict |
|-------------|---------|-----------------|----------------------------|------------------------|-----------------------------------|--------------------|---------|
| 11A         | 149     | 5745            | 7.41                       | 0                      | 7.41                              | 30                 | Pass    |
|             | 157     | 5785            | 8.08                       | 0                      | 8.08                              |                    | Pass    |
|             | 165     | 5825            | 8.01                       | 0                      | 8.01                              |                    | Pass    |
| 11N20 SISO  | 149     | 5745            | 7.33                       | 0                      | 7.33                              | 30                 | Pass    |
|             | 157     | 5785            | 6.98                       | 0                      | 6.98                              |                    | Pass    |
|             | 165     | 5825            | 7.26                       | 0                      | 7.26                              |                    | Pass    |
| 11N40 SISO  | 151     | 5755            | 3.58                       | 0                      | 3.58                              | 30                 | Pass    |
|             | 159     | 5795            | 3.63                       | 0                      | 3.63                              |                    | Pass    |
| 11AC20 SISO | 149     | 5745            | 7.14                       | 0                      | 7.14                              | 30                 | Pass    |
|             | 157     | 5785            | 7.43                       | 0                      | 7.43                              |                    | Pass    |
|             | 165     | 5825            | 7.16                       | 0                      | 7.16                              |                    | Pass    |
| 11AC40 SISO | 151     | 5755            | 1.44                       | 0                      | 1.44                              | 30                 | Pass    |
|             | 159     | 5795            | 1.69                       | 0                      | 1.69                              |                    | Pass    |
| 11AC80 SISO | 155     | 5775            | -3.05                      | 0                      | -3.05                             | 30                 | Pass    |

#### ANT 1

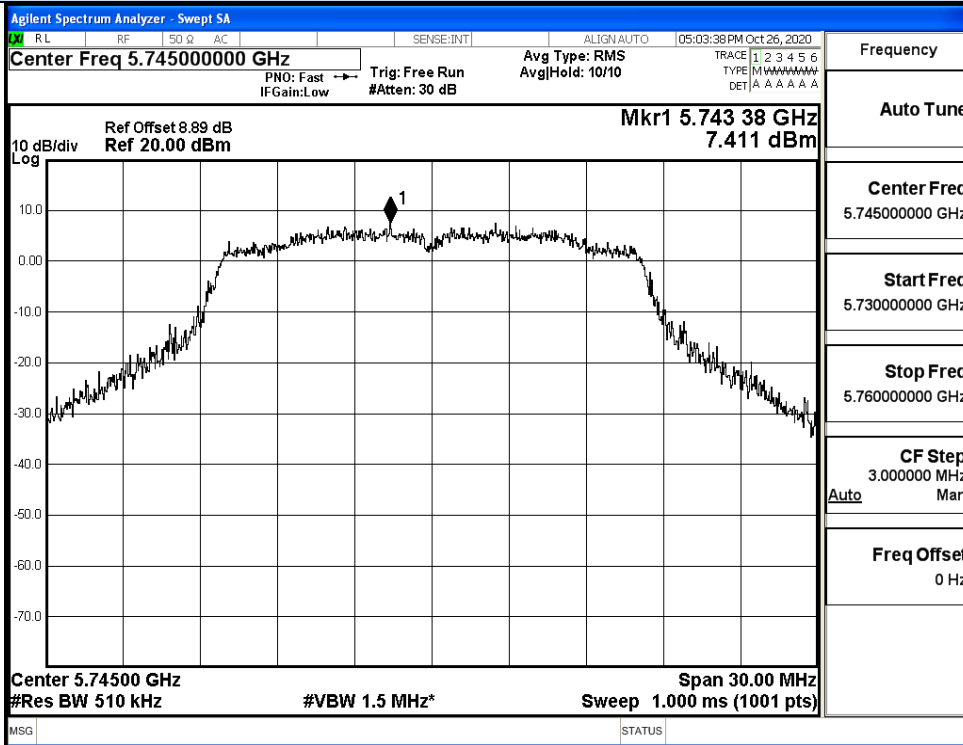
| Test Mode   | Channel | Frequency (MHz) | Power Density (dBm/510KHz) | Duty Cycle Factor (dB) | Report Power Density (dBm/500KHz) | Limit (dBm/500KHz) | Verdict |
|-------------|---------|-----------------|----------------------------|------------------------|-----------------------------------|--------------------|---------|
| 11A         | 149     | 5745            | 6.23                       | 0                      | 6.23                              | 30                 | Pass    |
|             | 157     | 5785            | 6.45                       | 0                      | 6.45                              |                    | Pass    |
|             | 165     | 5825            | 7.34                       | 0                      | 7.34                              |                    | Pass    |
| 11N20 SISO  | 149     | 5745            | 6.21                       | 0                      | 6.21                              | 30                 | Pass    |
|             | 157     | 5785            | 7.00                       | 0                      | 7.00                              |                    | Pass    |
|             | 165     | 5825            | 6.89                       | 0                      | 6.89                              |                    | Pass    |
| 11N40 SISO  | 151     | 5755            | 1.20                       | 0                      | 1.20                              | 30                 | Pass    |
|             | 159     | 5795            | 1.77                       | 0                      | 1.77                              |                    | Pass    |
| 11AC20 SISO | 149     | 5745            | 4.37                       | 0                      | 4.37                              | 30                 | Pass    |
|             | 157     | 5785            | 5.06                       | 0                      | 5.06                              |                    | Pass    |
|             | 165     | 5825            | 4.81                       | 0                      | 4.81                              |                    | Pass    |
| 11AC40 SISO | 151     | 5755            | 1.30                       | 0                      | 1.30                              | 30                 | Pass    |
|             | 159     | 5795            | 2.11                       | 0                      | 2.11                              |                    | Pass    |
| 11AC80 SISO | 155     | 5775            | -3.35                      | 0                      | -3.35                             | 30                 | Pass    |

#### ANT0+ANT1

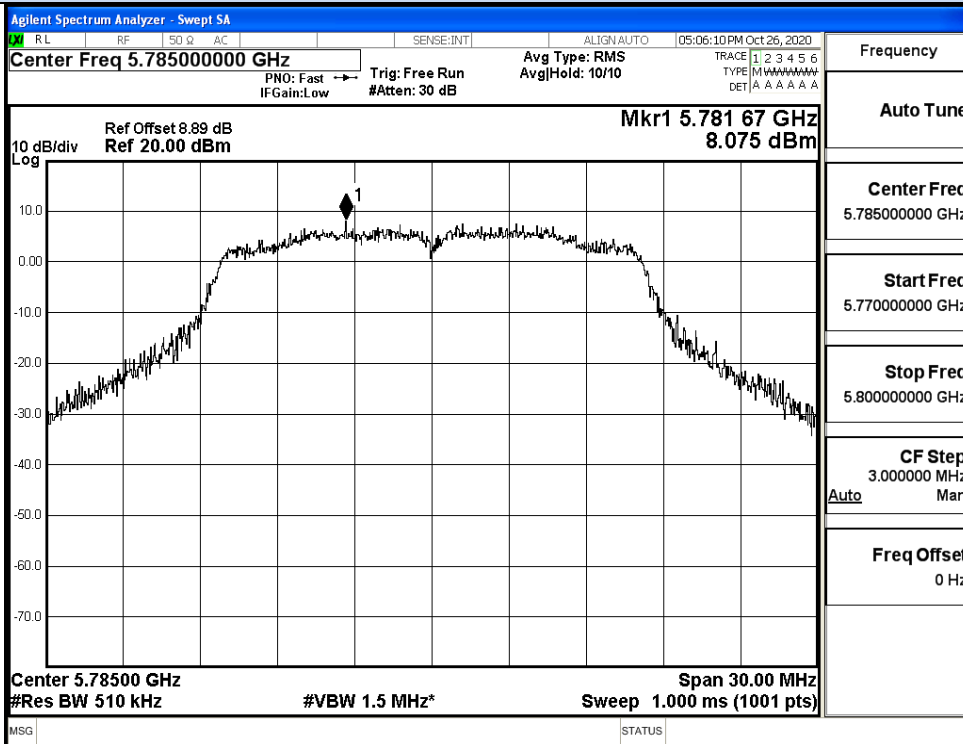
| Test Mode | Channel | Frequency (MHz) | Report Power Density (dBm/500KHz) |       |       | Limit (dBm) |
|-----------|---------|-----------------|-----------------------------------|-------|-------|-------------|
|           |         |                 | Ant0                              | Ant1  | Sum   |             |
| 11N20     | 149     | 5745            | 7.33                              | 6.21  | 9.82  | 30          |
|           | 157     | 5785            | 6.98                              | 7.00  | 10.00 |             |
|           | 165     | 5825            | 7.26                              | 6.89  | 10.09 |             |
| 11N40     | 151     | 5755            | 3.58                              | 1.20  | 5.56  | 30          |
|           | 159     | 5795            | 3.63                              | 1.77  | 5.81  |             |
| 11AC20    | 149     | 5745            | 7.14                              | 4.37  | 8.98  | 30          |
|           | 157     | 5785            | 7.43                              | 5.06  | 9.42  |             |
|           | 165     | 5825            | 7.16                              | 4.81  | 9.15  |             |
| 11AC40    | 151     | 5755            | 1.44                              | 1.30  | 4.38  | 30          |
|           | 159     | 5795            | 1.69                              | 2.11  | 4.92  |             |
| 11AC80    | 155     | 5775            | -3.05                             | -3.35 | -0.19 | 30          |

ANT 0

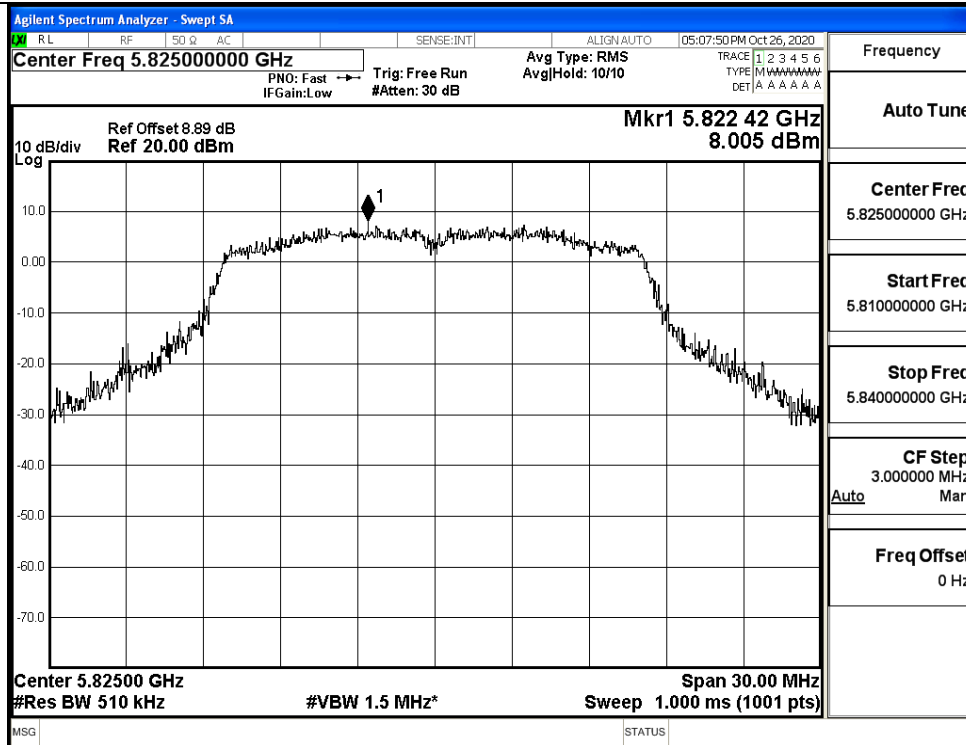
Power Spectral Density



IEEE 802.11a / Channel 149 / 5745MHz

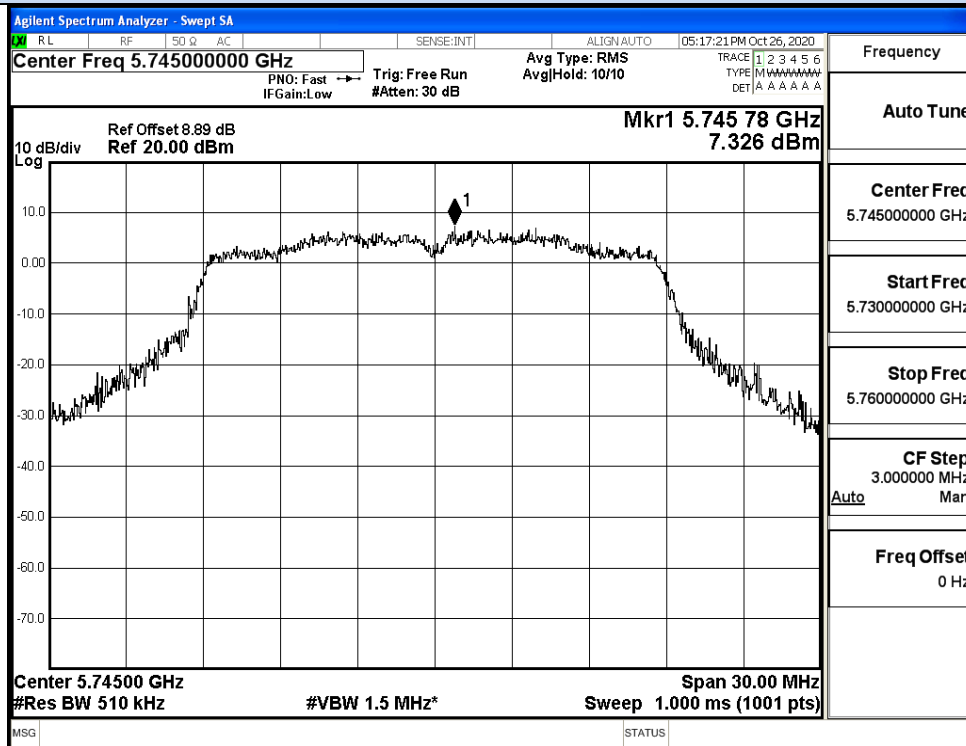


IEEE 802.11na / Channel 157 / 5785MHz

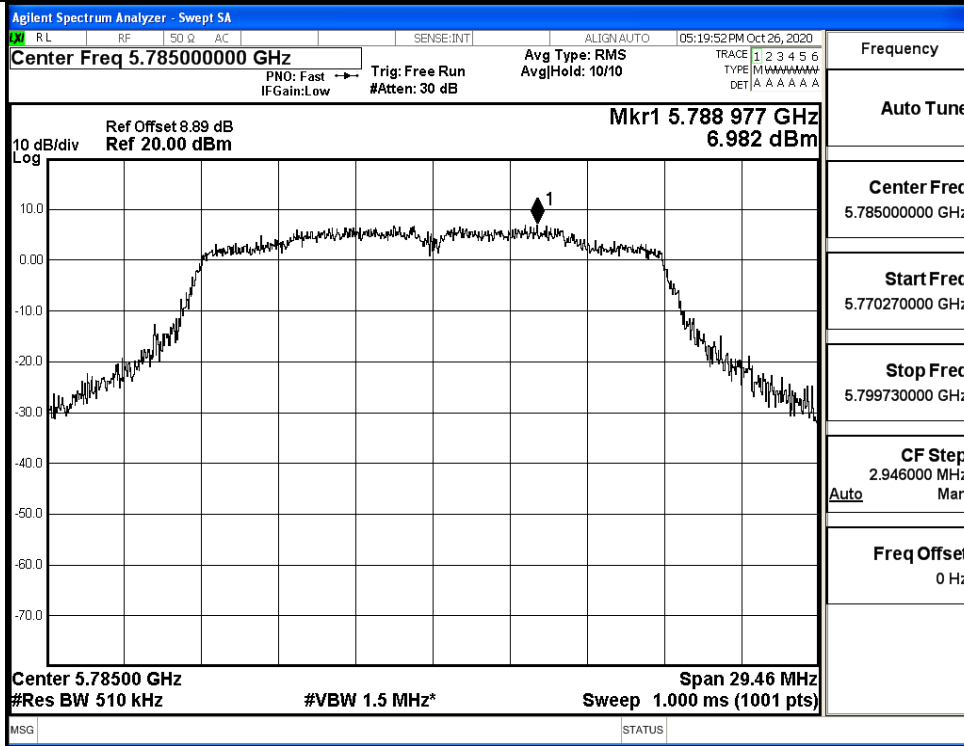


IEEE 802.11na / Channel 165 / 5825MHz

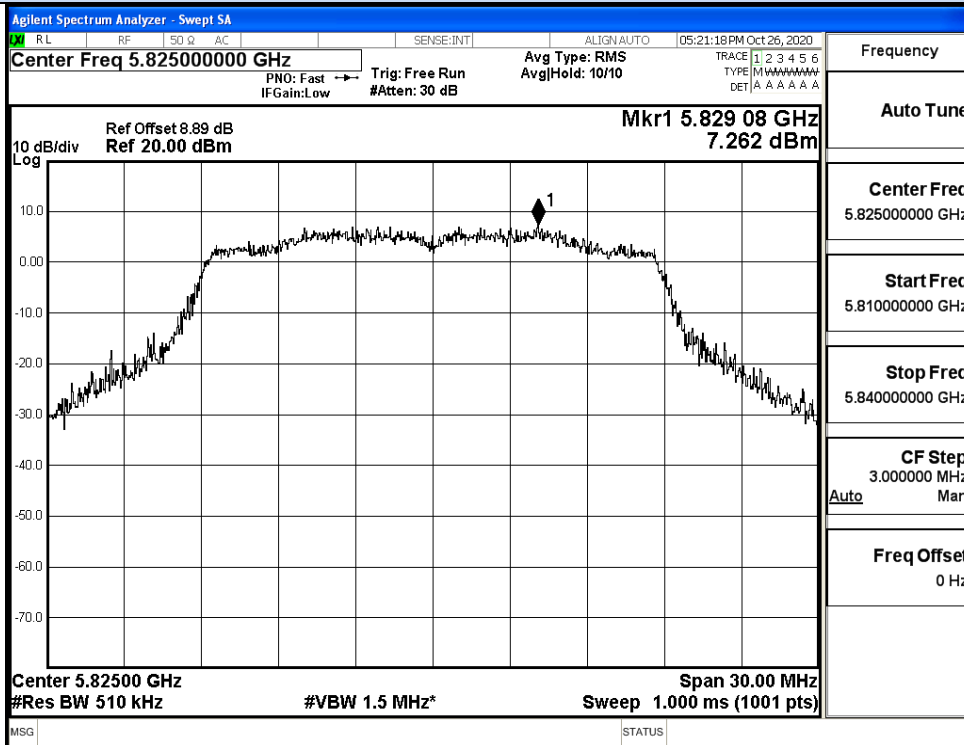
Power Spectral Density



IEEE 802.11n20 / Channel 149 / 5745MHz

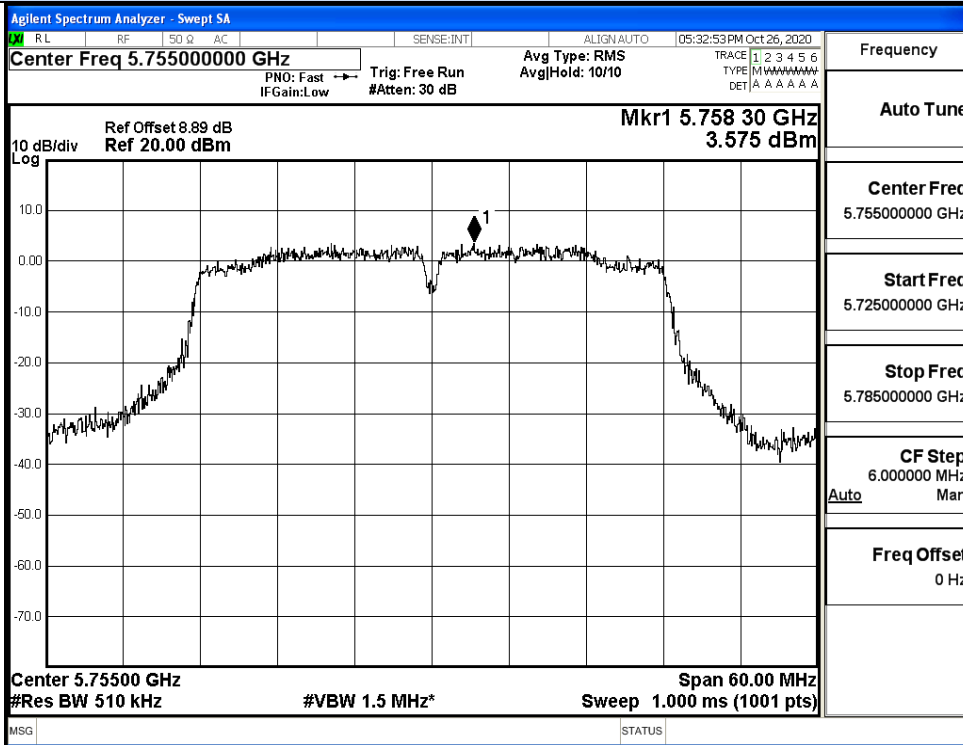


IEEE 802.11n20 / Channel 157 / 5785MHz

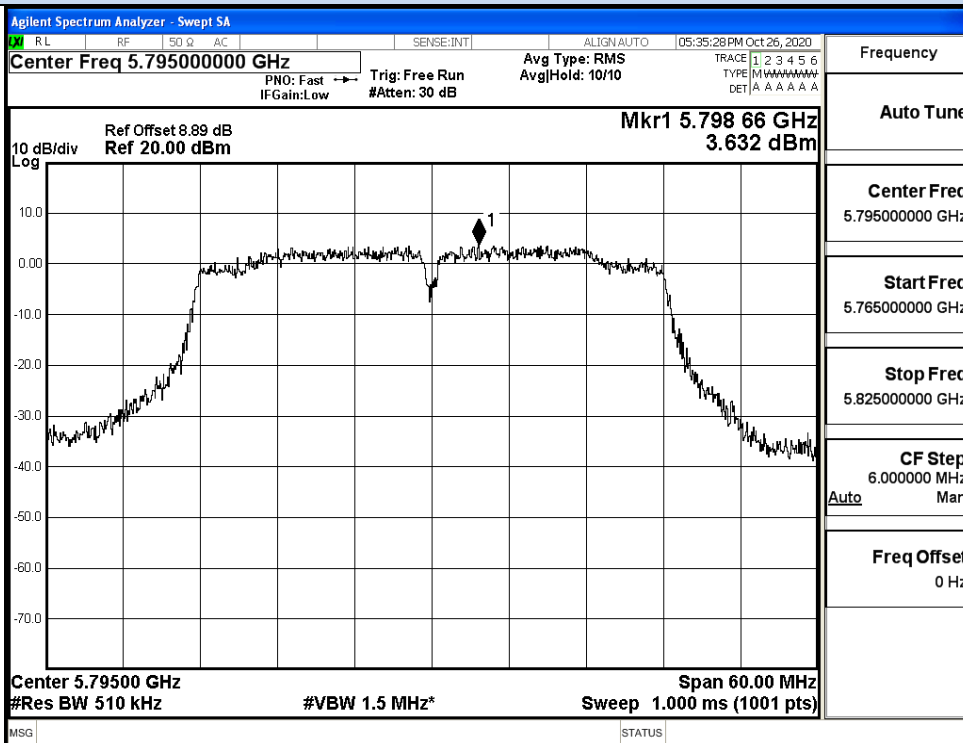


IEEE 802.11n20 / Channel 165 / 5825MHz

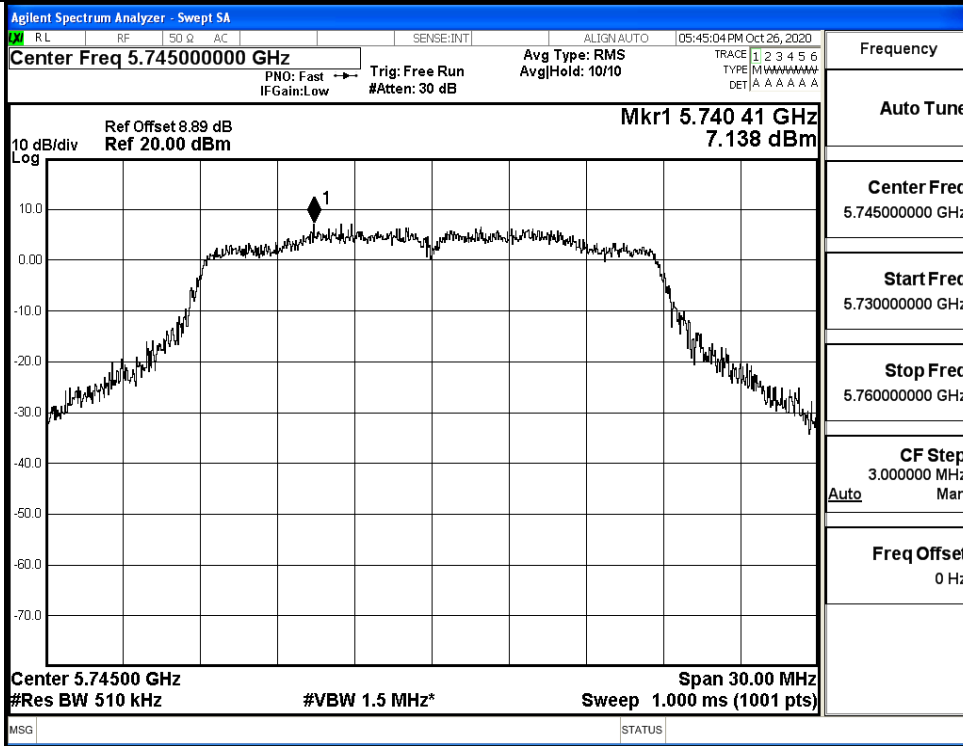
Power Spectral Density



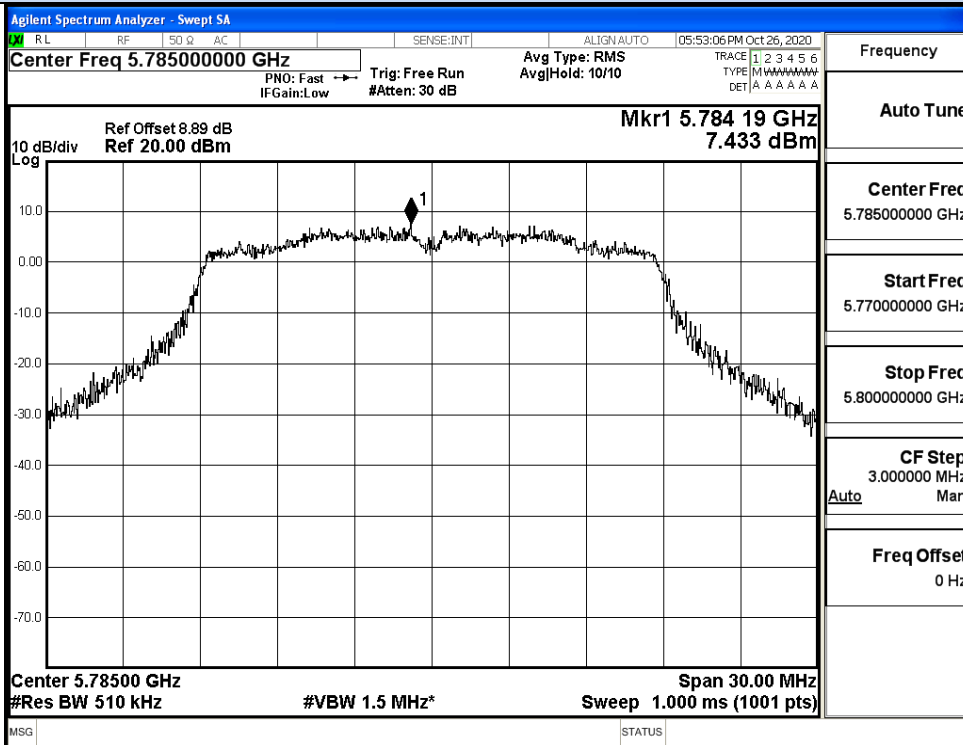
IEEE 802.11n40 / Channel 151 / 5755MHz



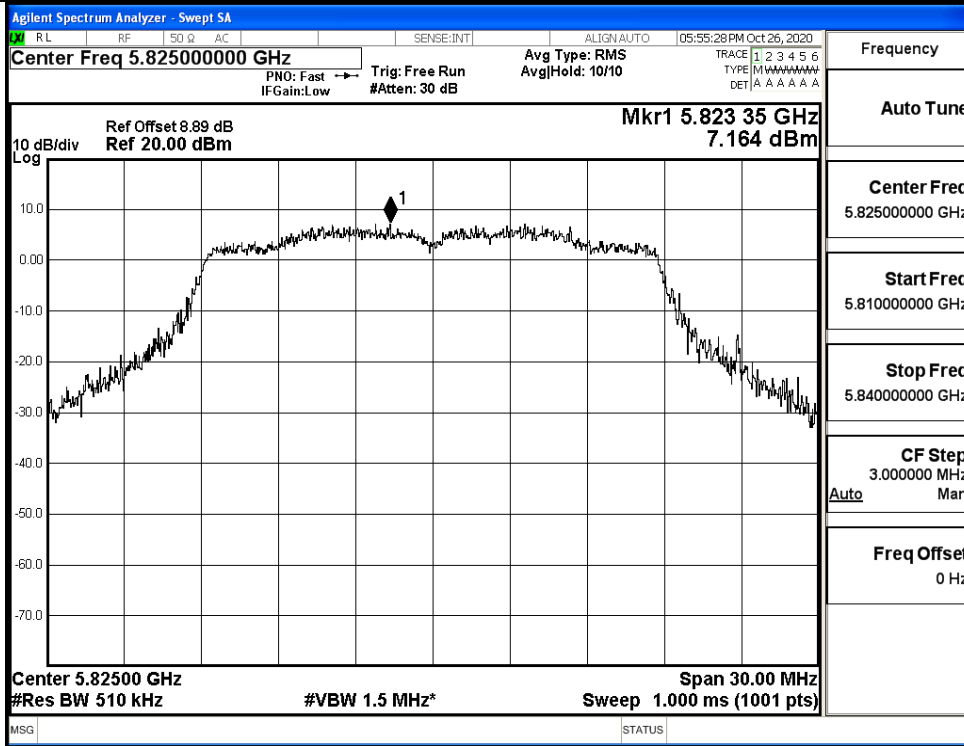
IEEE 802.11n40 / Channel 159 / 5795MHz



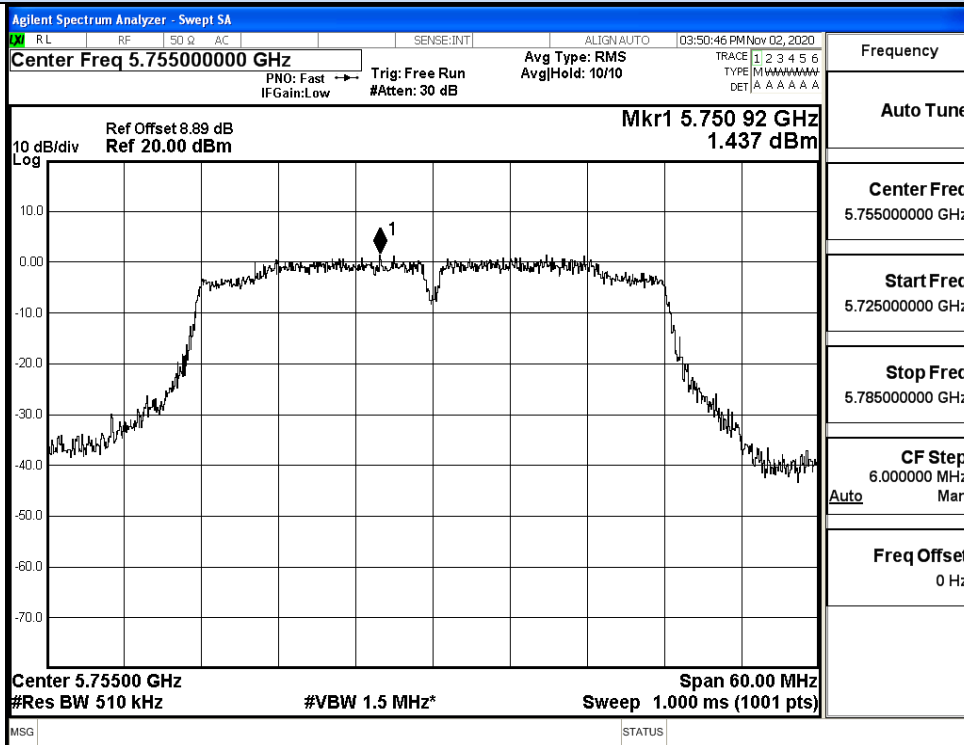
IEEE 802.11ac20 / Channel 149 / 5745MHz



IEEE 802.11ac20 / Channel 157 / 5785MHz

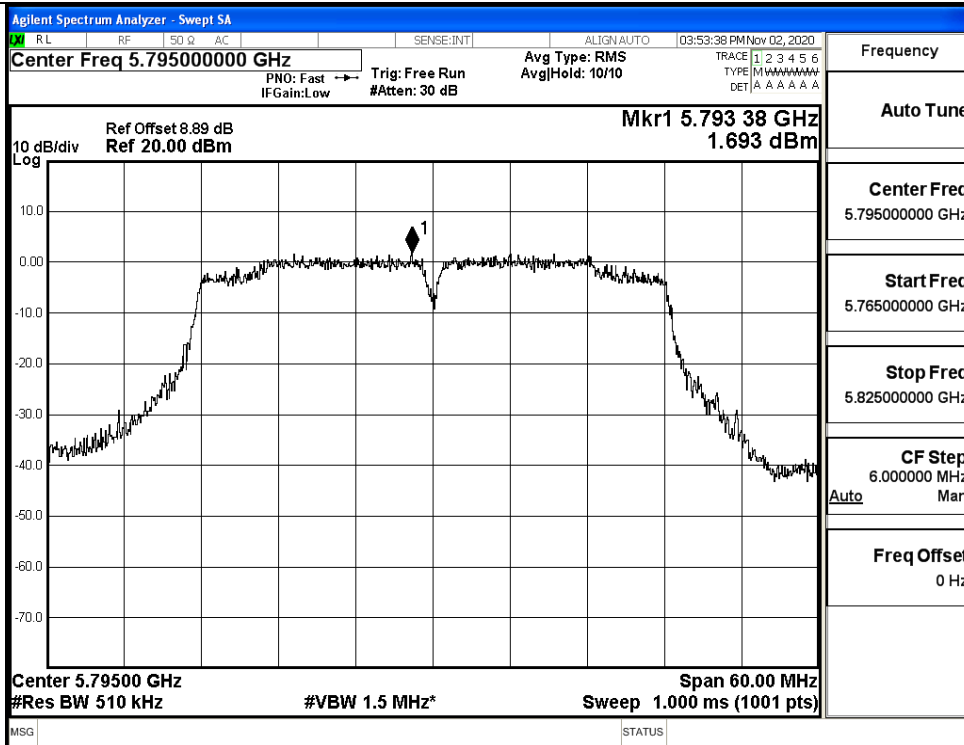


IEEE 802.11ac20 / Channel 165 / 5825MHz

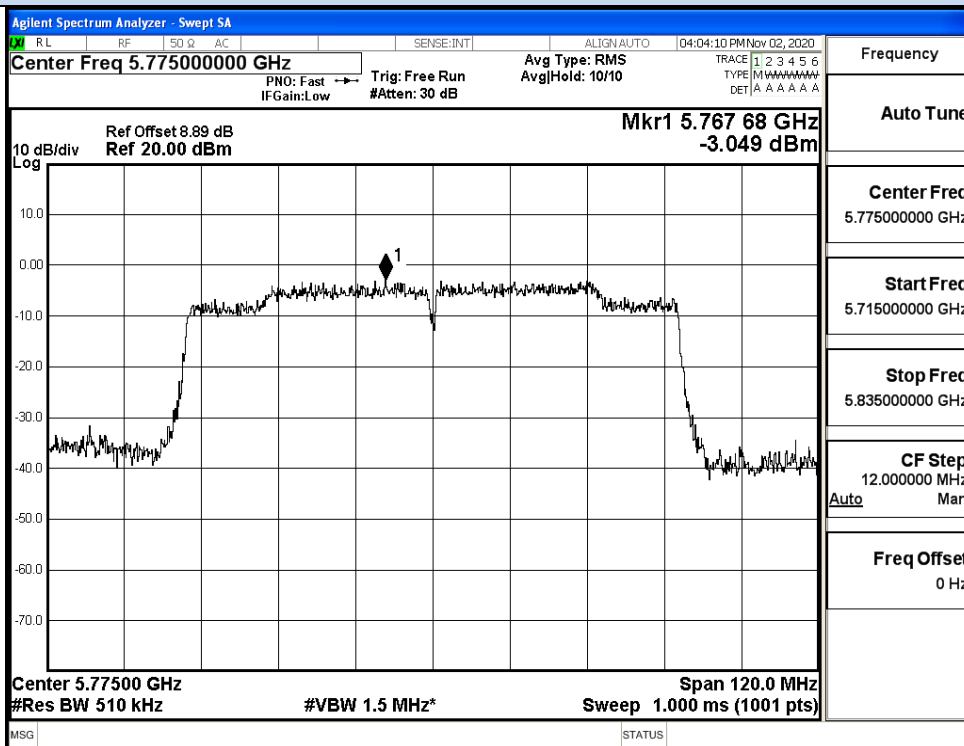


IEEE 802.11ac40 / Channel 151 / 5755MHz





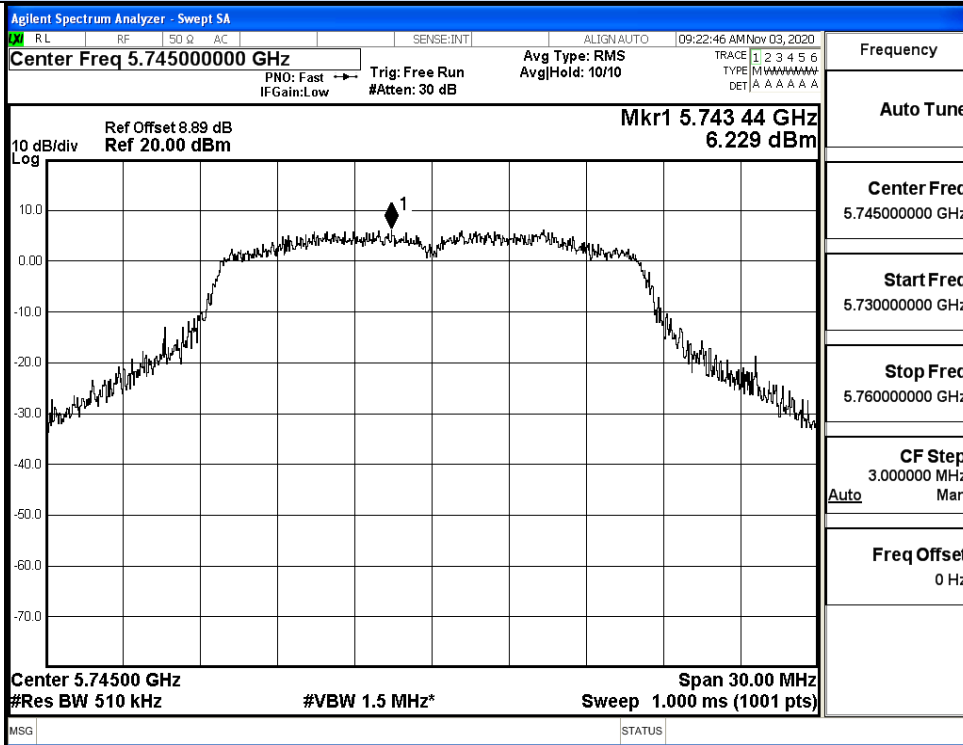
IEEE 802.11ac40 / Channel 159 / 5795MHz



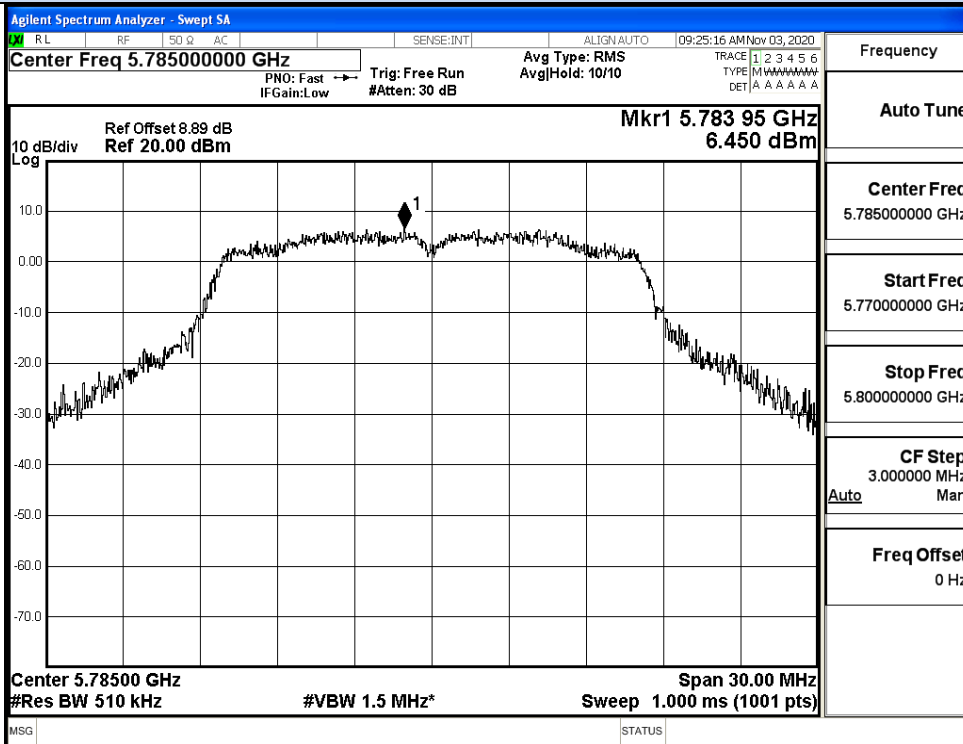
IEEE 802.11ac80 / Channel 155/ 5775MHz

ANT 1

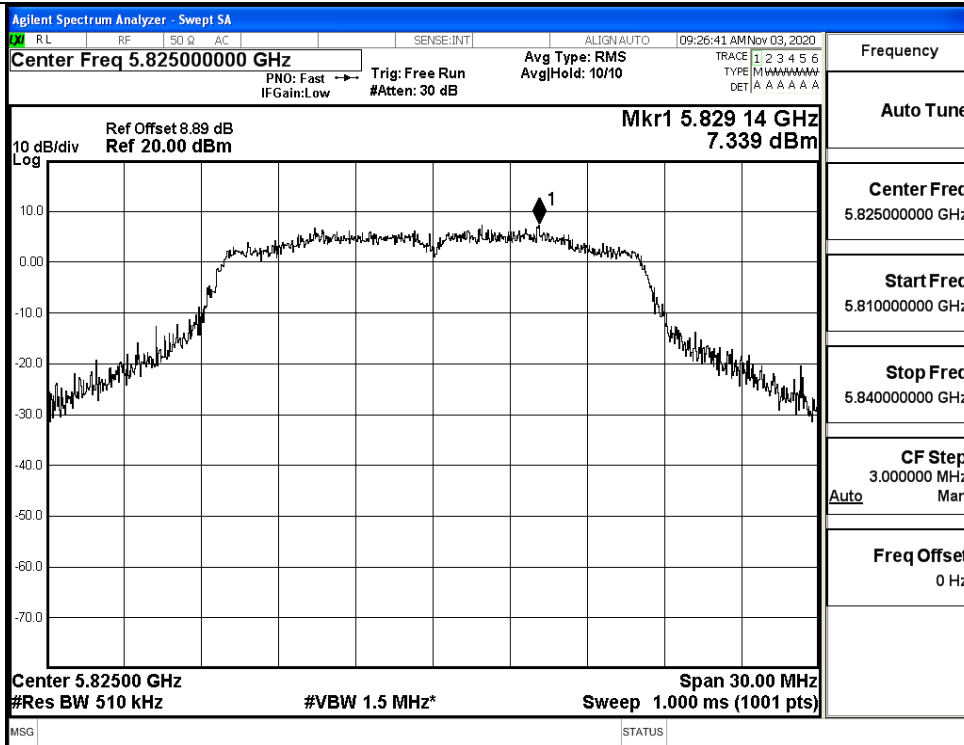
Power Spectral Density



IEEE 802.11a / Channel 149 / 5745MHz

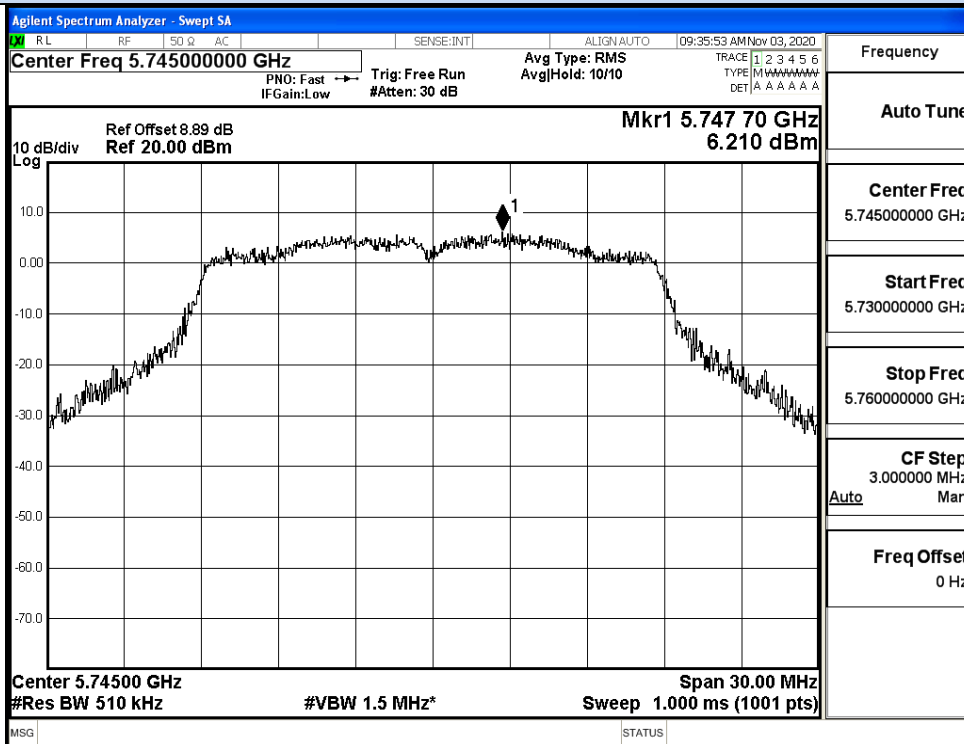


IEEE 802.11na / Channel 157 / 5785MHz

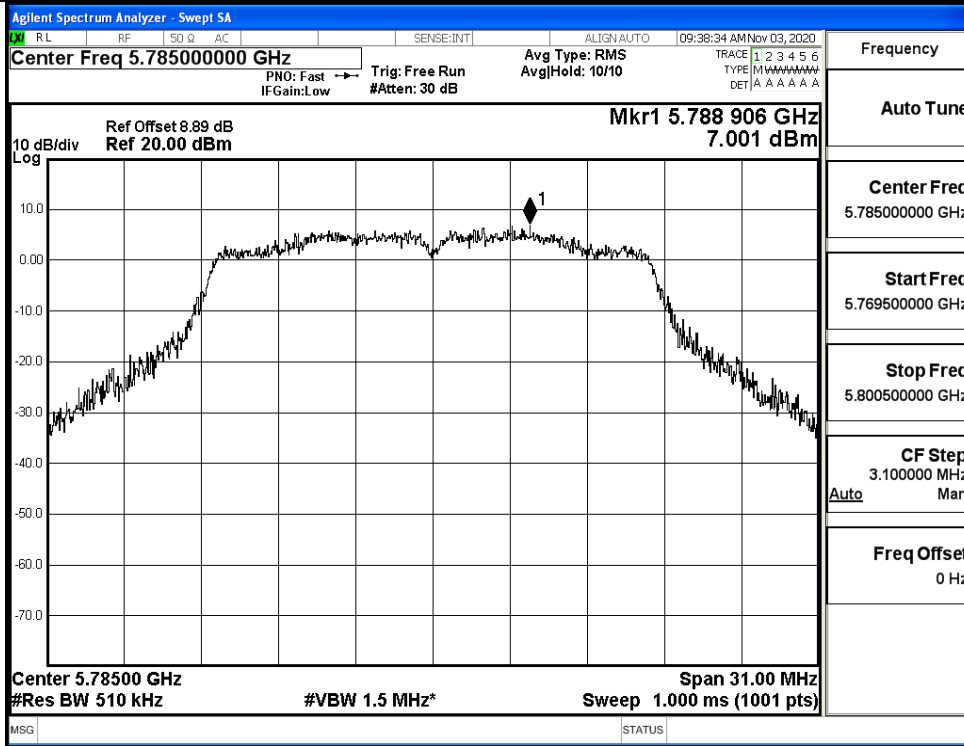


IEEE 802.11na / Channel 165 / 5825MHz

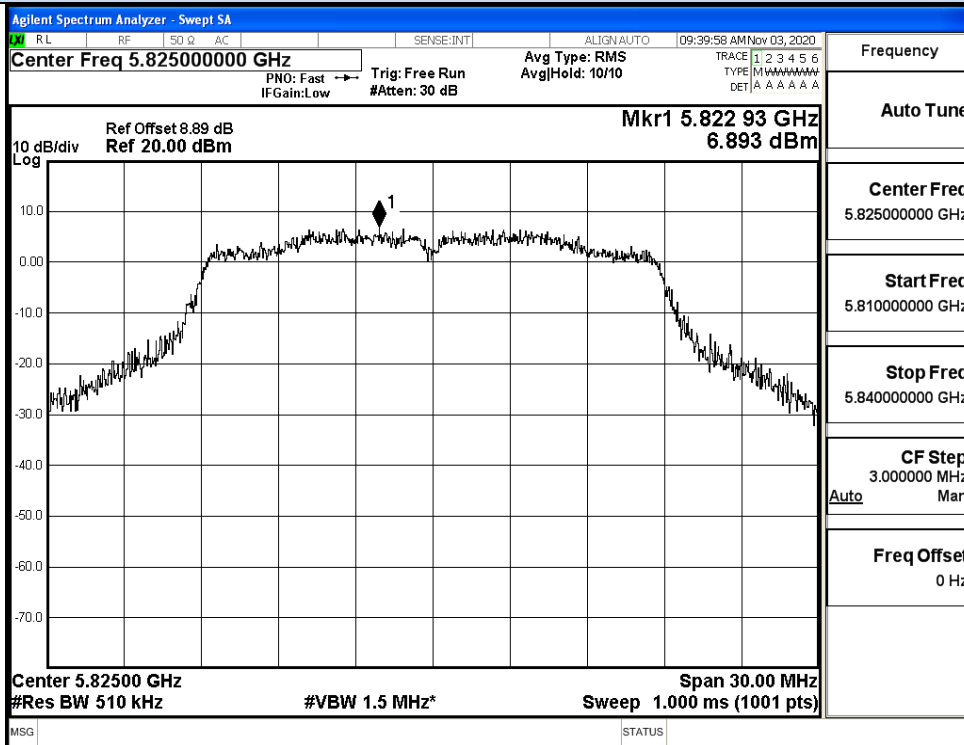
Power Spectral Density



IEEE 802.11n20 / Channel 149 / 5745MHz

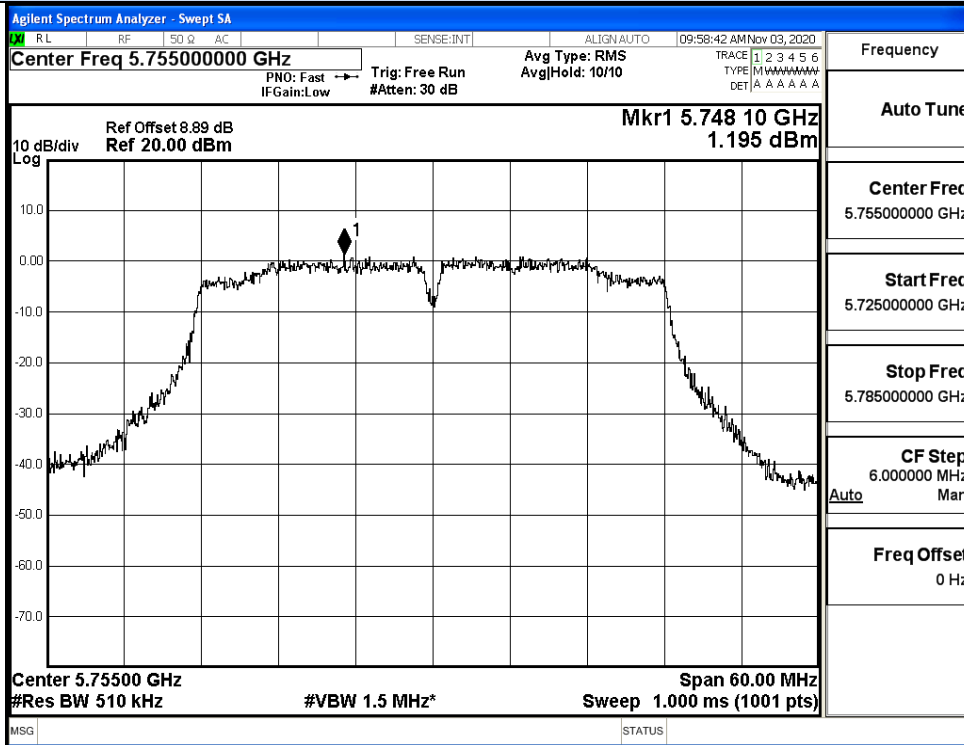


IEEE 802.11n20 / Channel 157 / 5785MHz

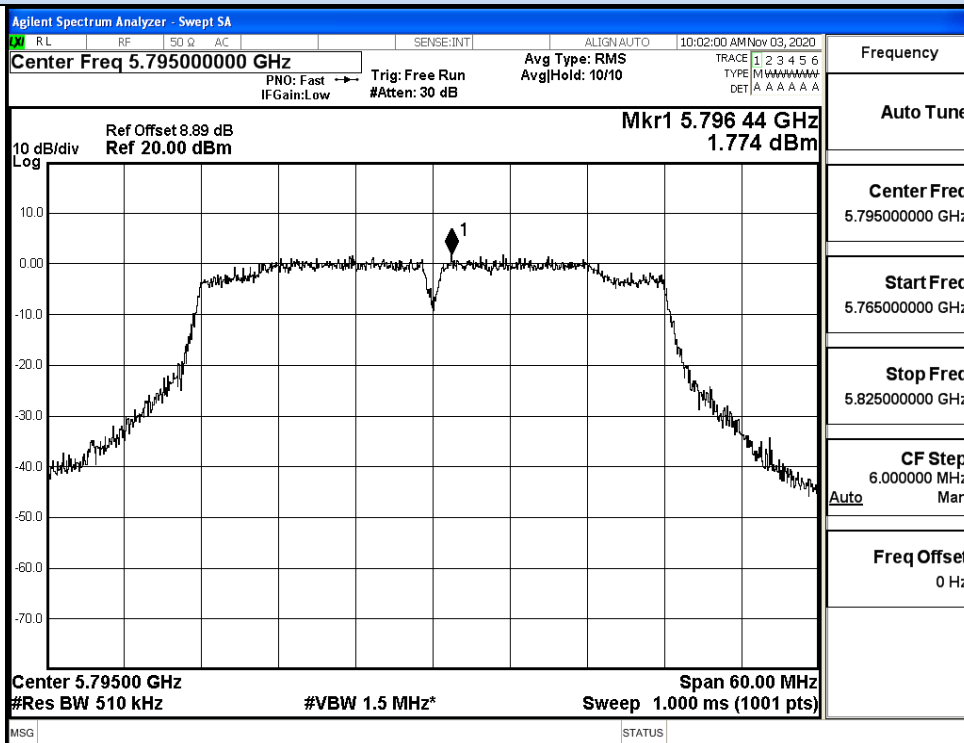


IEEE 802.11n20 / Channel 165 / 5825MHz

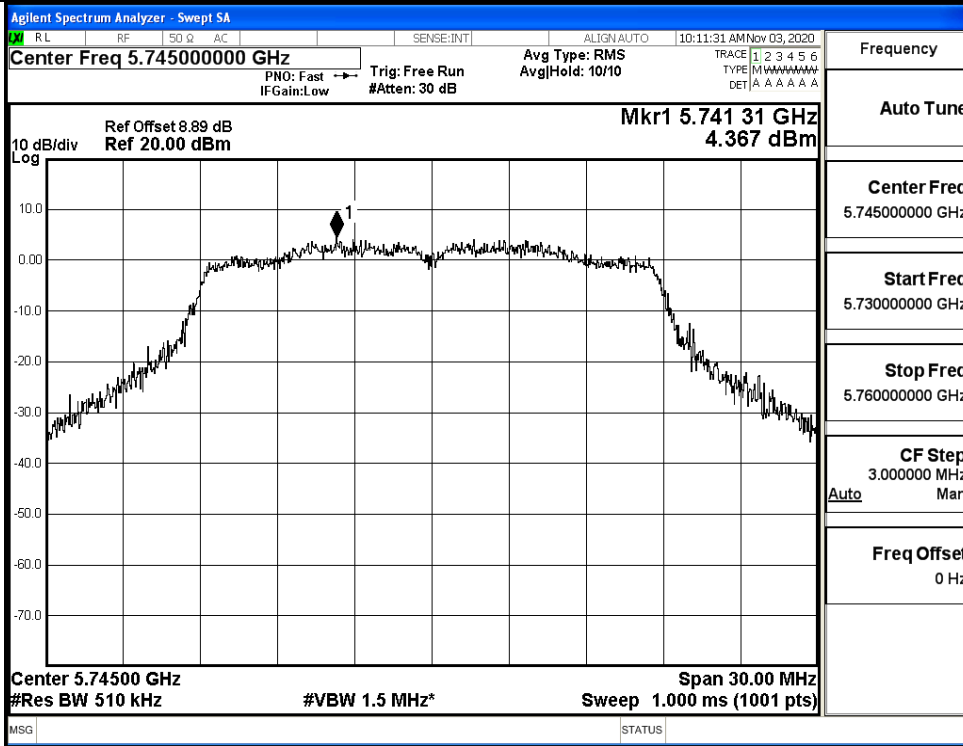
Power Spectral Density



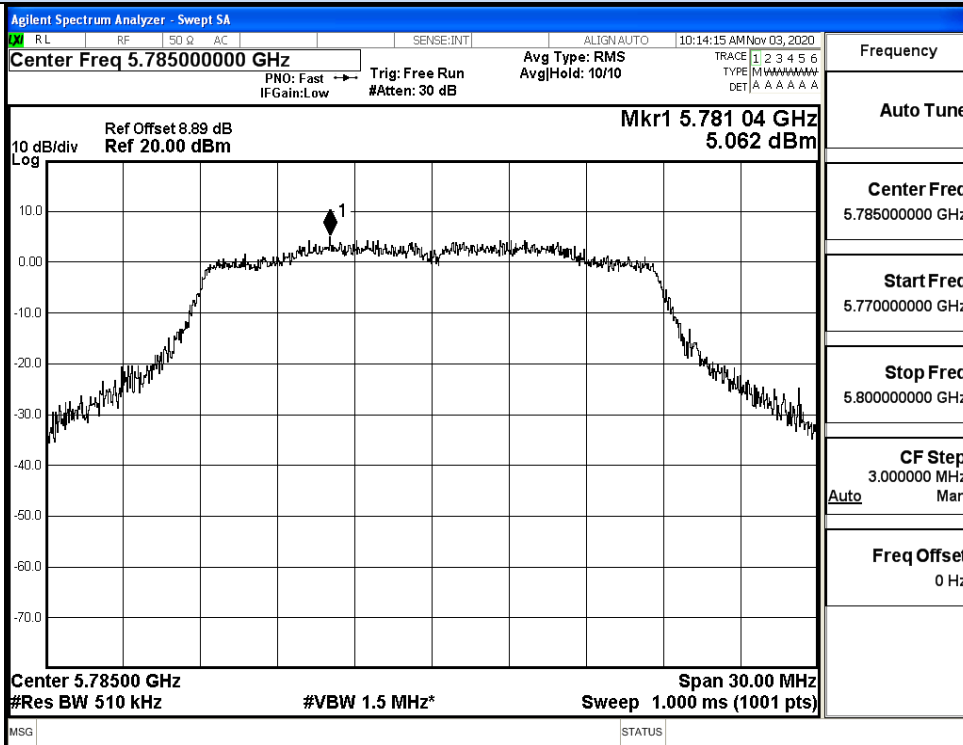
IEEE 802.11n40 / Channel 151 / 5755MHz



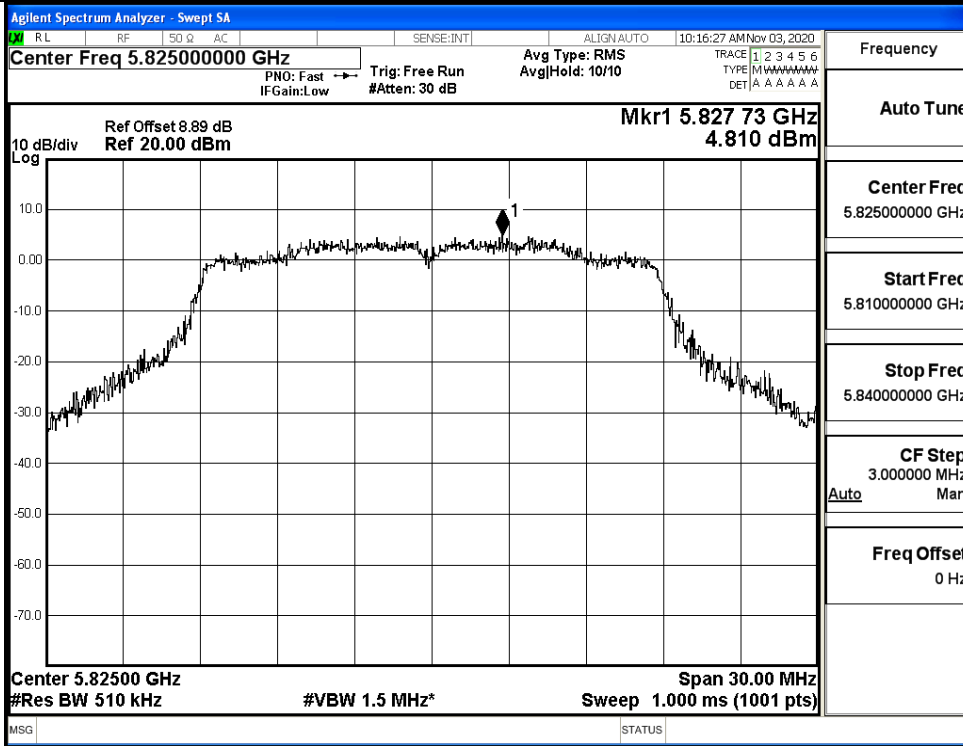
IEEE 802.11n40 / Channel 159 / 5795MHz



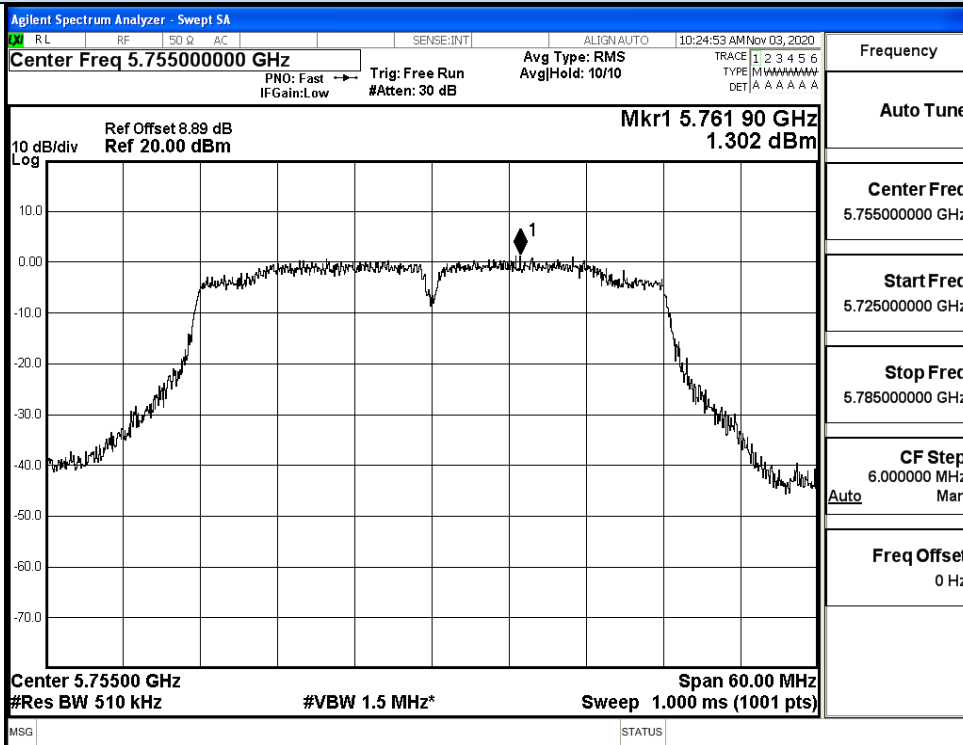
IEEE 802.11ac20 / Channel 149 / 5745MHz



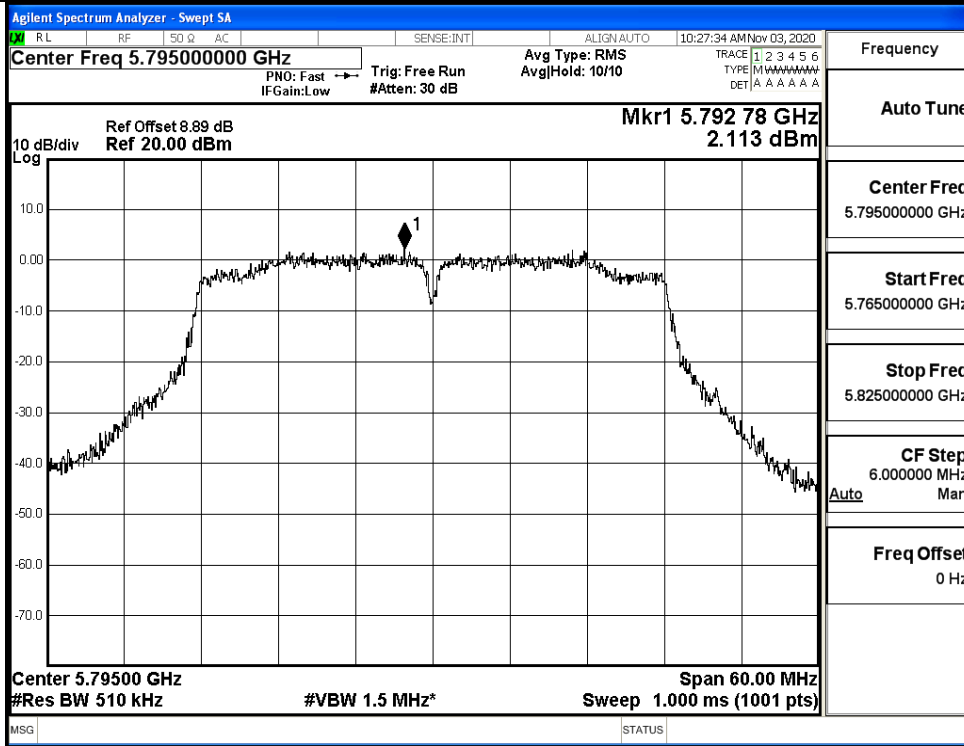
IEEE 802.11ac20 / Channel 157 / 5785MHz



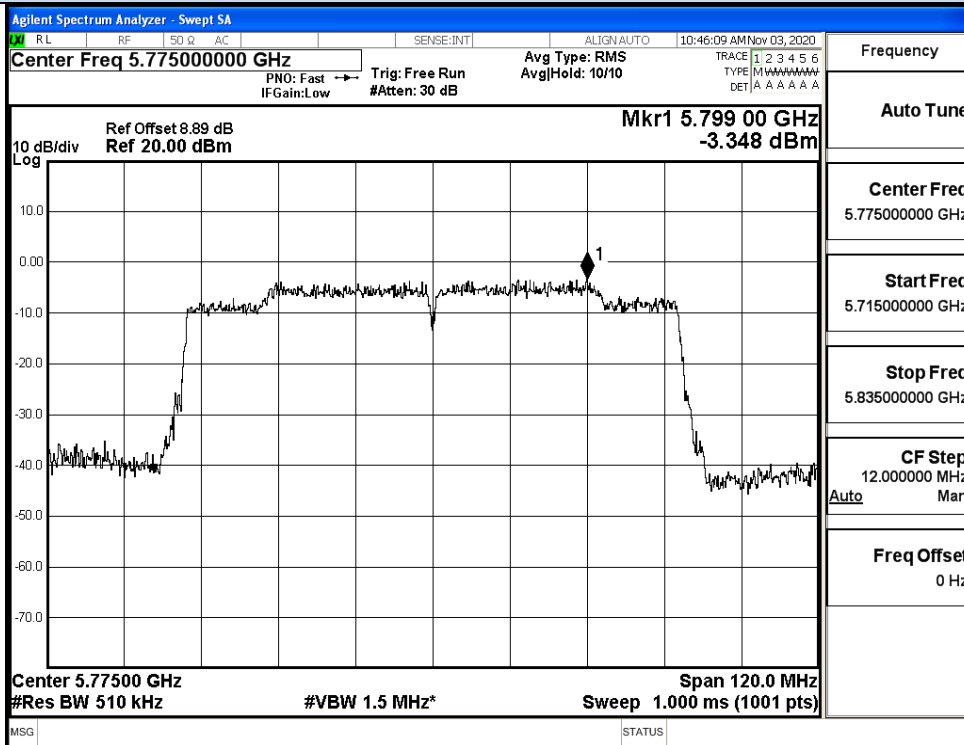
IEEE 802.11ac20 / Channel 165 / 5825MHz



IEEE 802.11ac40 / Channel 151 / 5755MHz



IEEE 802.11ac40 / Channel 159 / 5795MHz

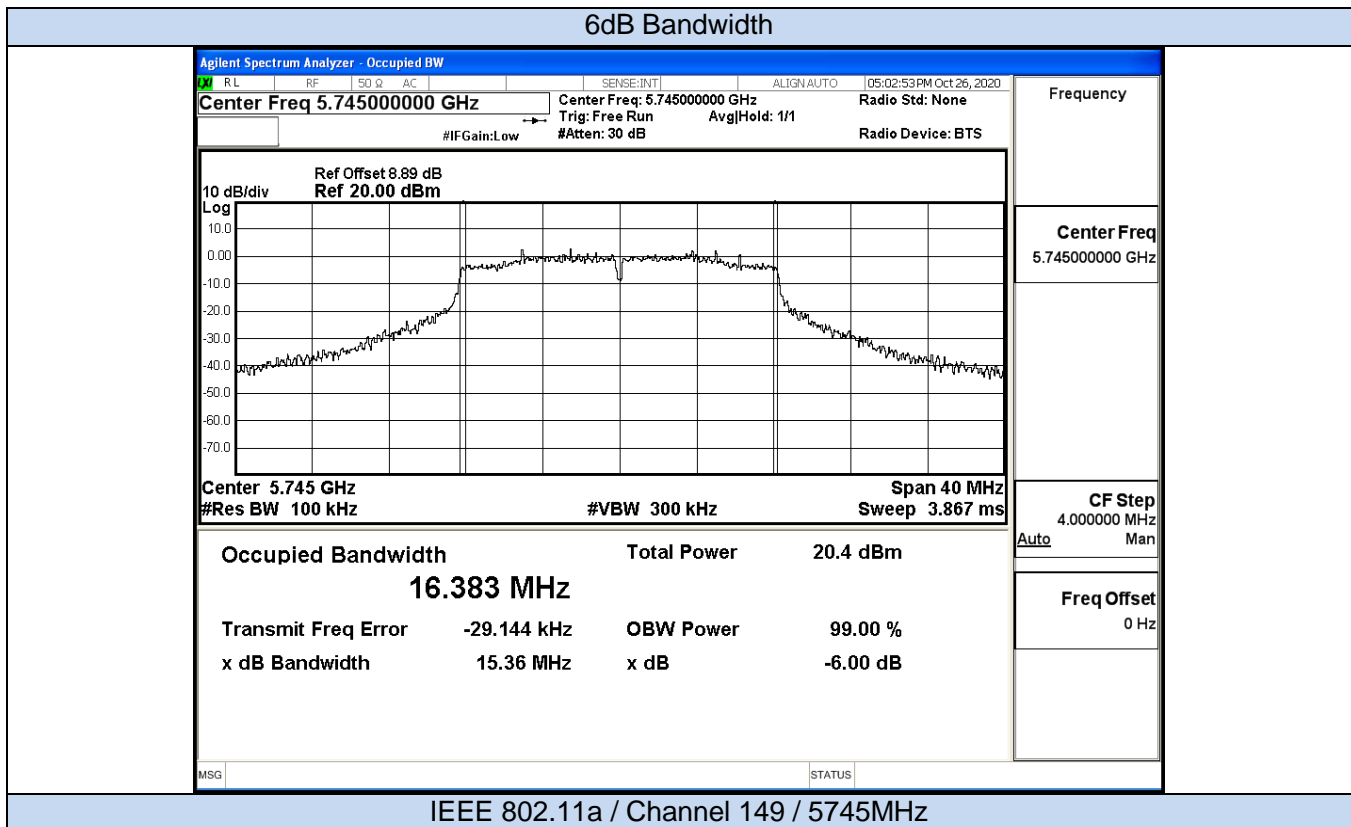


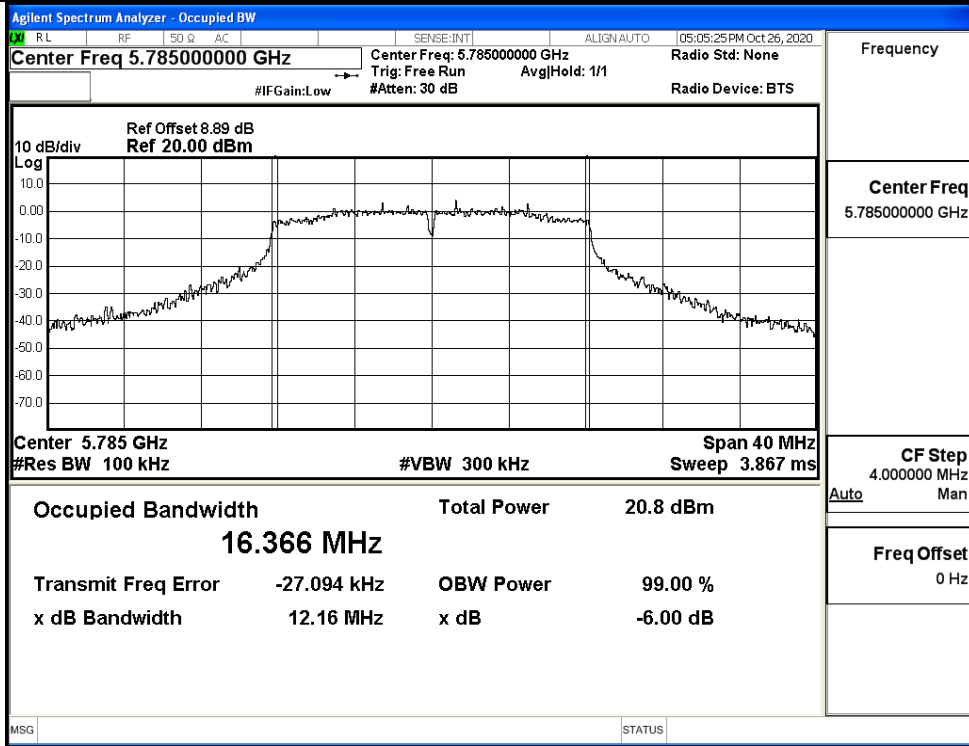
IEEE 802.11ac80 / Channel 155/ 5775MHz



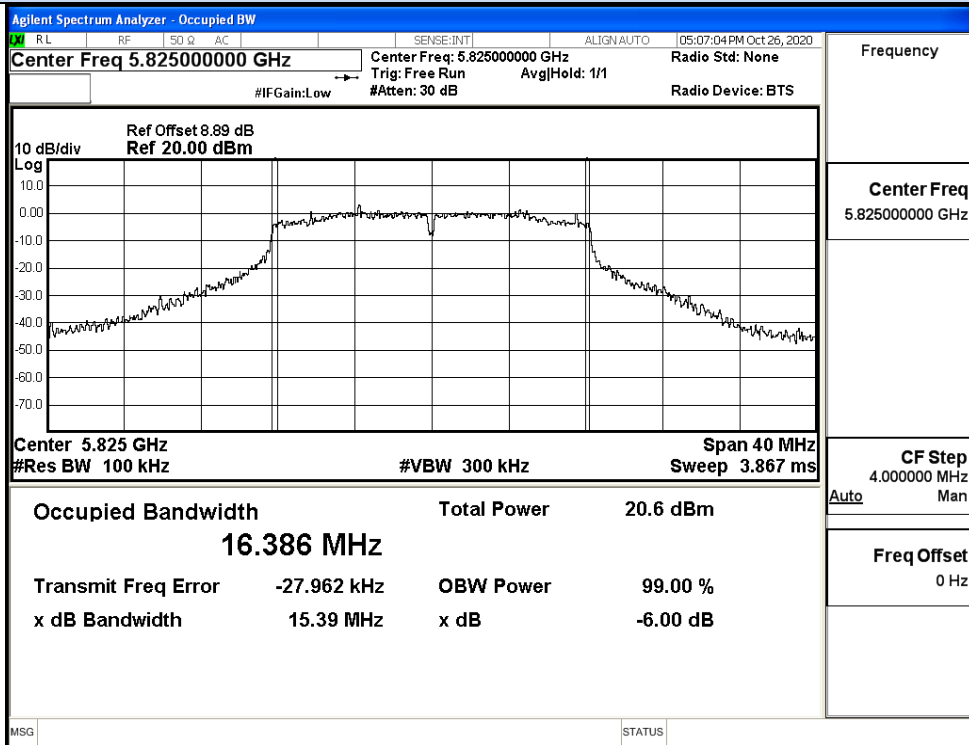
**E.4 Emission Bandwidth**  
**ANT 0**

| Test Mode   | Channel | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (MHz) | Verdict |
|-------------|---------|-----------------|---------------------|-------------|---------|
| 11A         | 149     | 5745            | 15.36               | >=0.5       | Pass    |
|             | 157     | 5785            | 12.16               |             | Pass    |
|             | 165     | 5825            | 15.39               |             | Pass    |
| 11N20 SISO  | 149     | 5745            | 15.37               | >=0.5       | Pass    |
|             | 157     | 5785            | 14.73               |             | Pass    |
|             | 165     | 5825            | 13.84               |             | Pass    |
| 11N40 SISO  | 151     | 5755            | 35.15               | >=0.5       | Pass    |
|             | 159     | 5795            | 33.93               |             | Pass    |
| 11AC20S ISO | 149     | 5745            | 16.45               | >=0.5       | Pass    |
|             | 157     | 5785            | 13.03               |             | Pass    |
|             | 165     | 5825            | 16.01               |             | Pass    |
| 11AC40S ISO | 151     | 5755            | 35.20               | >=0.5       | Pass    |
|             | 159     | 5795            | 35.21               |             | Pass    |
| 11AC80S ISO | 155     | 5775            | 75.22               | >=0.5       | Pass    |



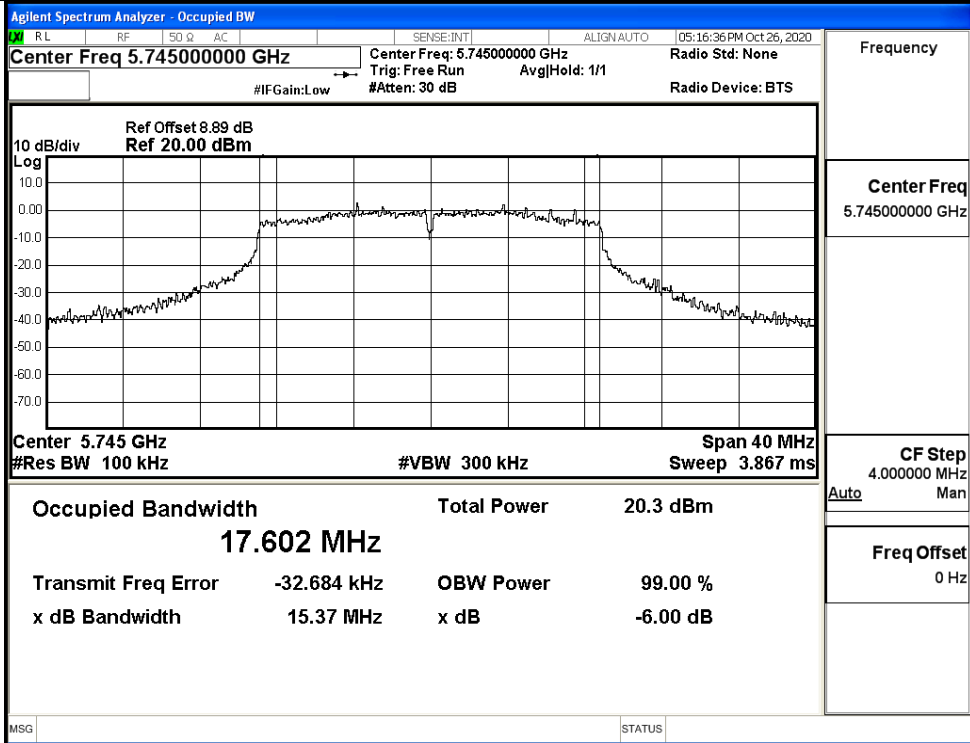


IEEE 802.11a / Channel 157 / 5785MHz

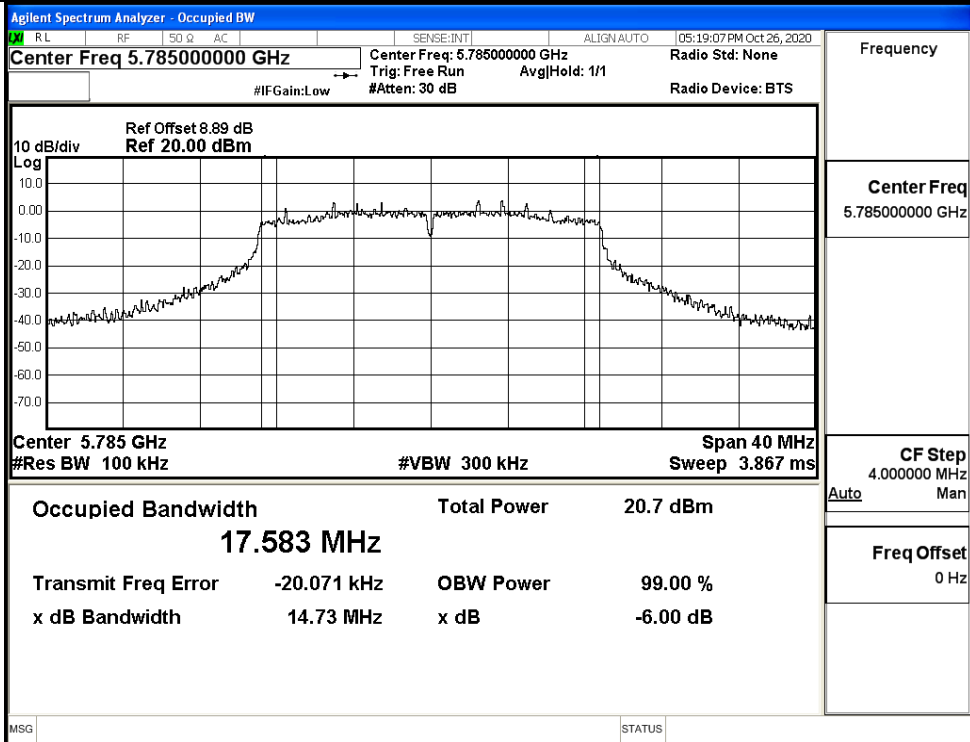


IEEE 802.11a / Channel 165 / 5825MHz

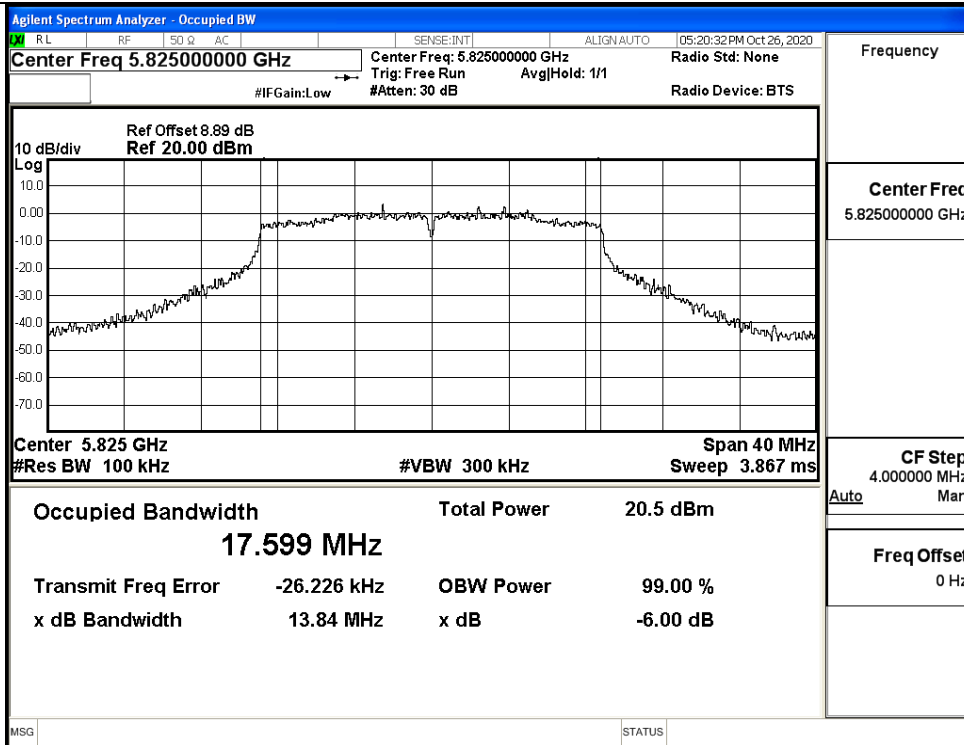
6dB Bandwidth



IEEE 802.11n20 / Channel 149 / 5745MHz

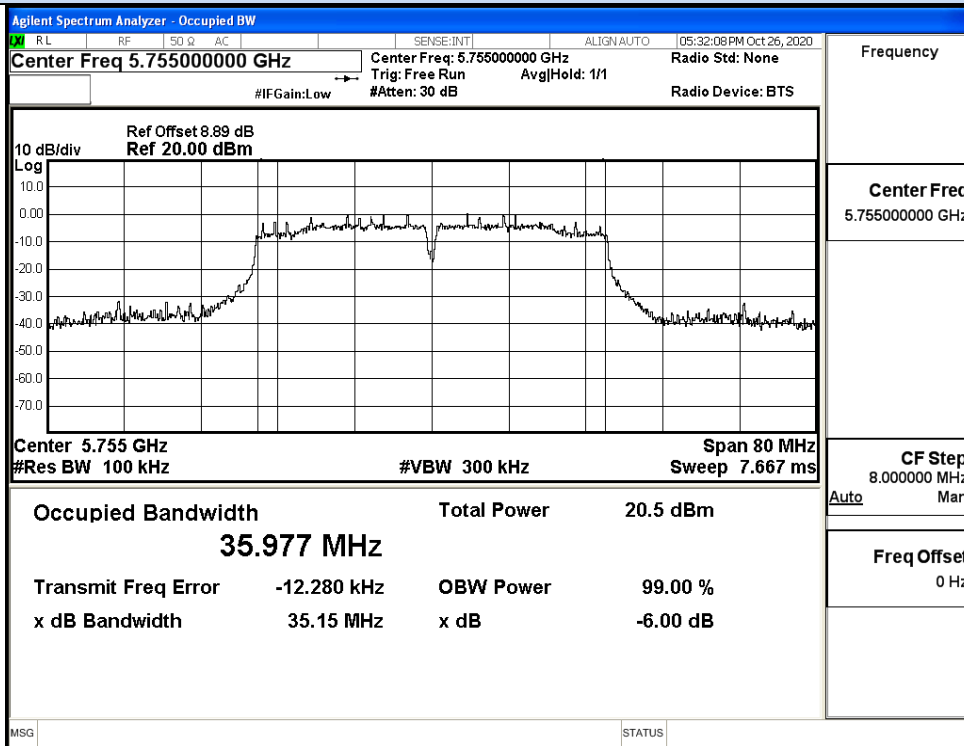


IEEE 802.11n20 / Channel 157 / 5785MHz

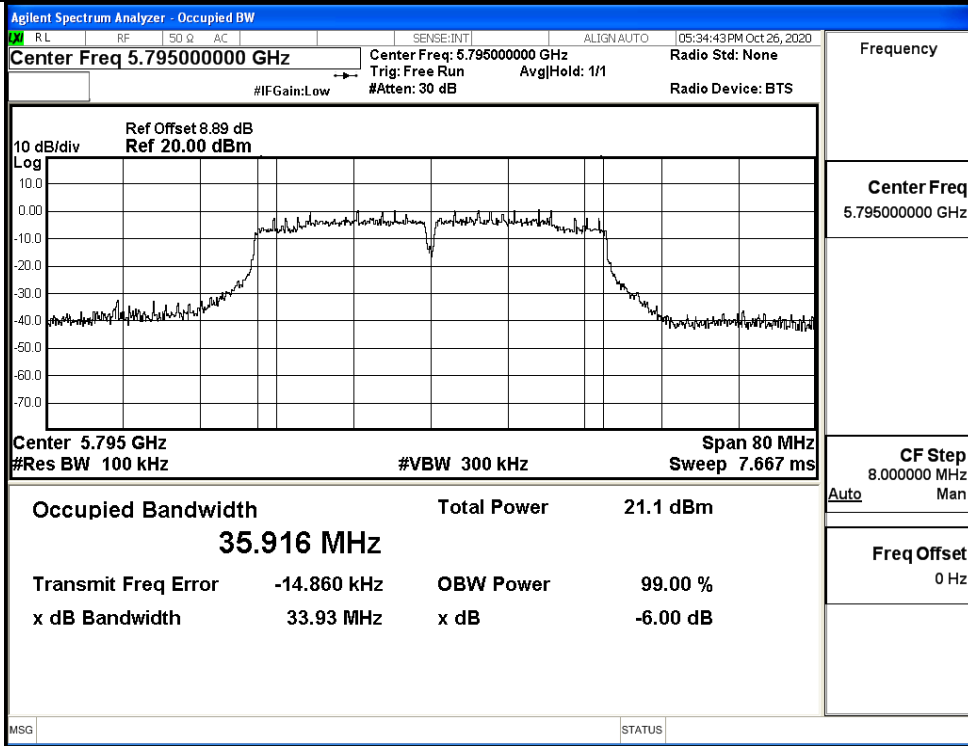


IEEE 802.11n20 / Channel 165 / 5825MHz

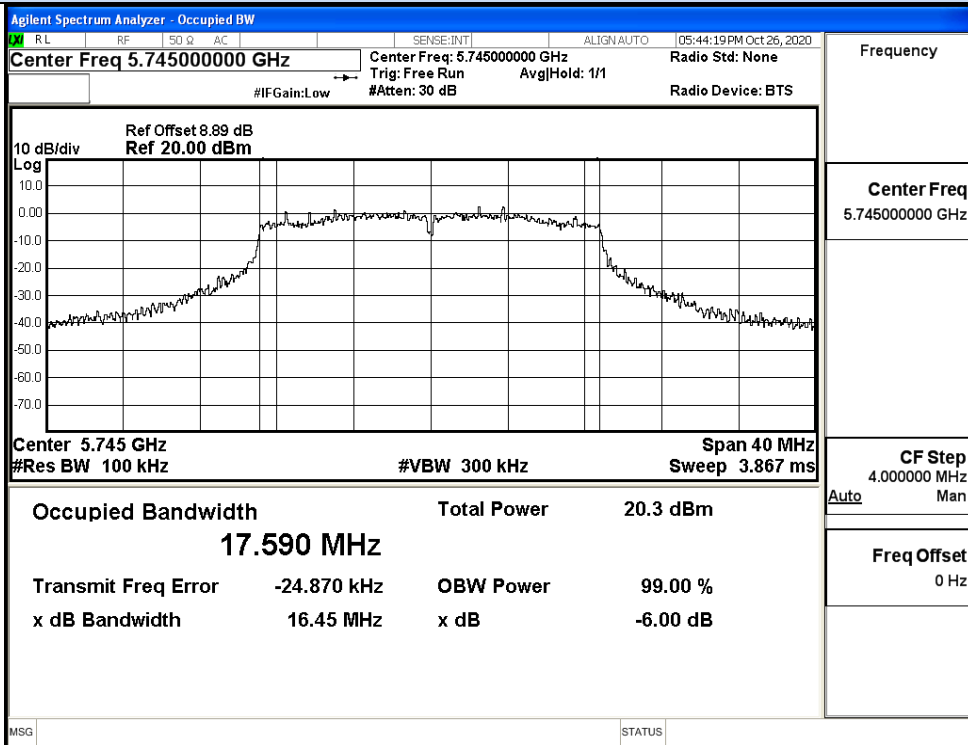
26dB Bandwidth



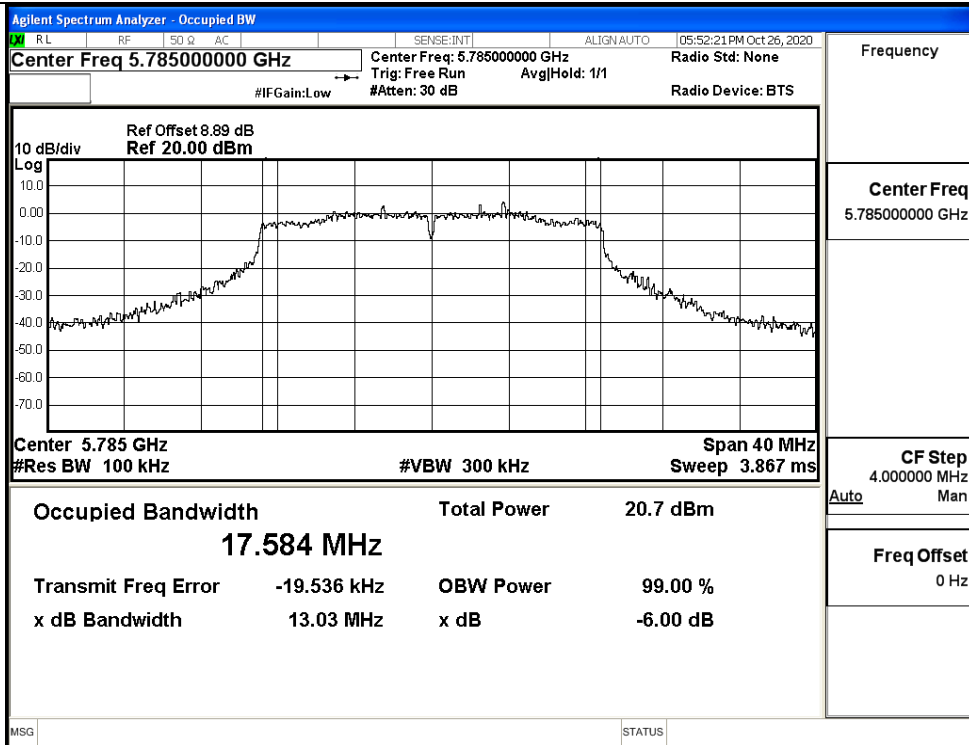
IEEE 802.11n40 / Channel 151 / 5755MHz



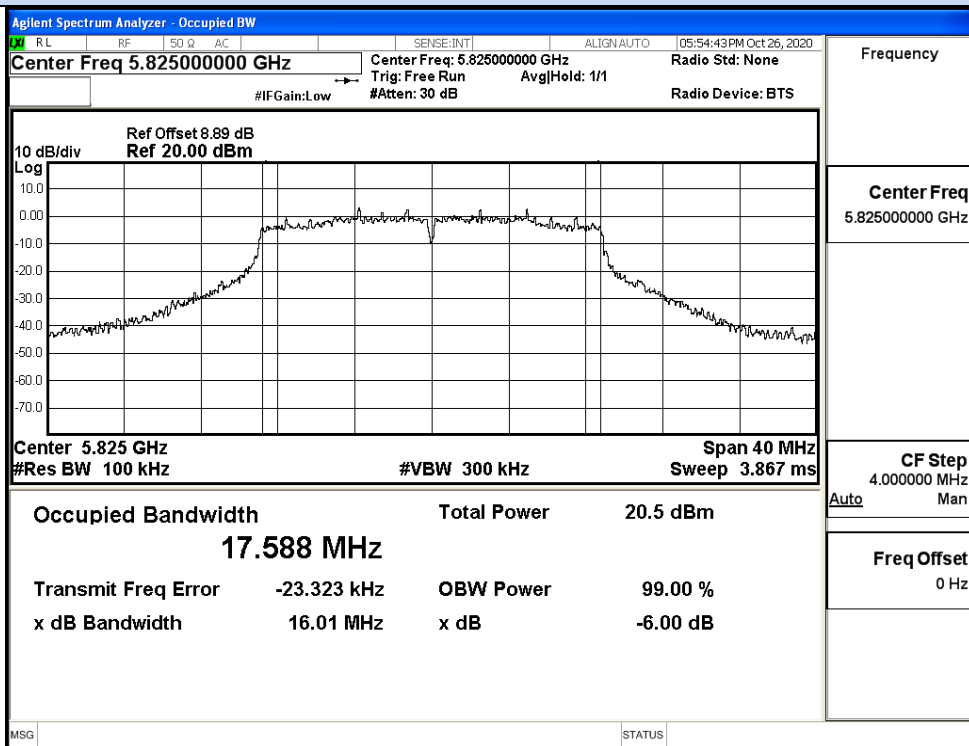
IEEE 802.11n40 / Channel 159 / 5795MHz



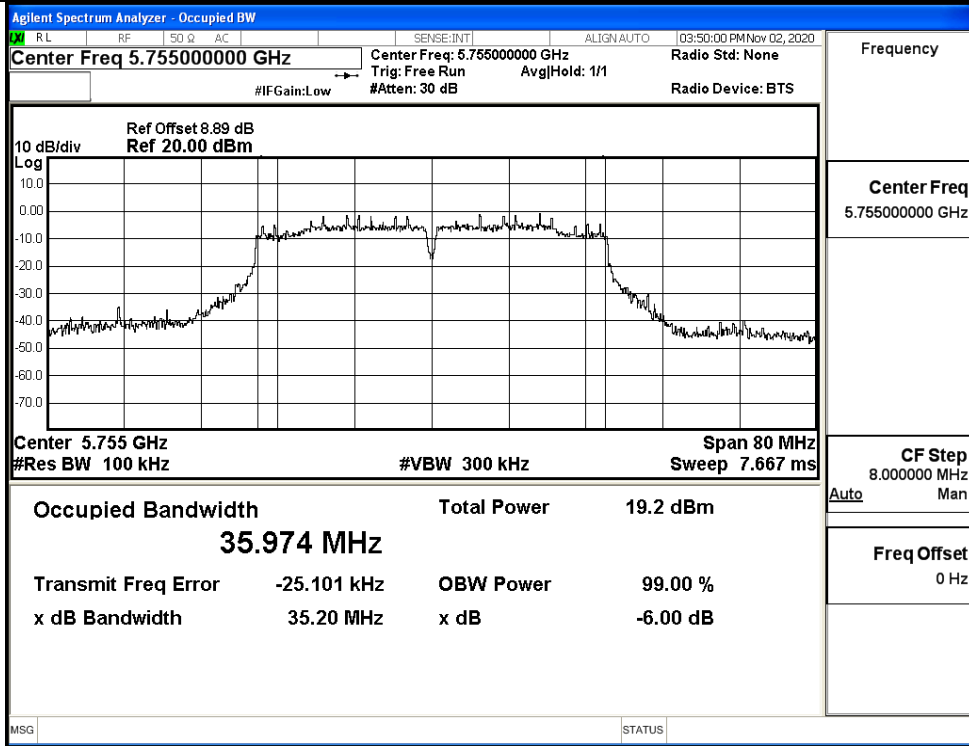
IEEE 802.11ac20 / Channel 149 / 5745MHz



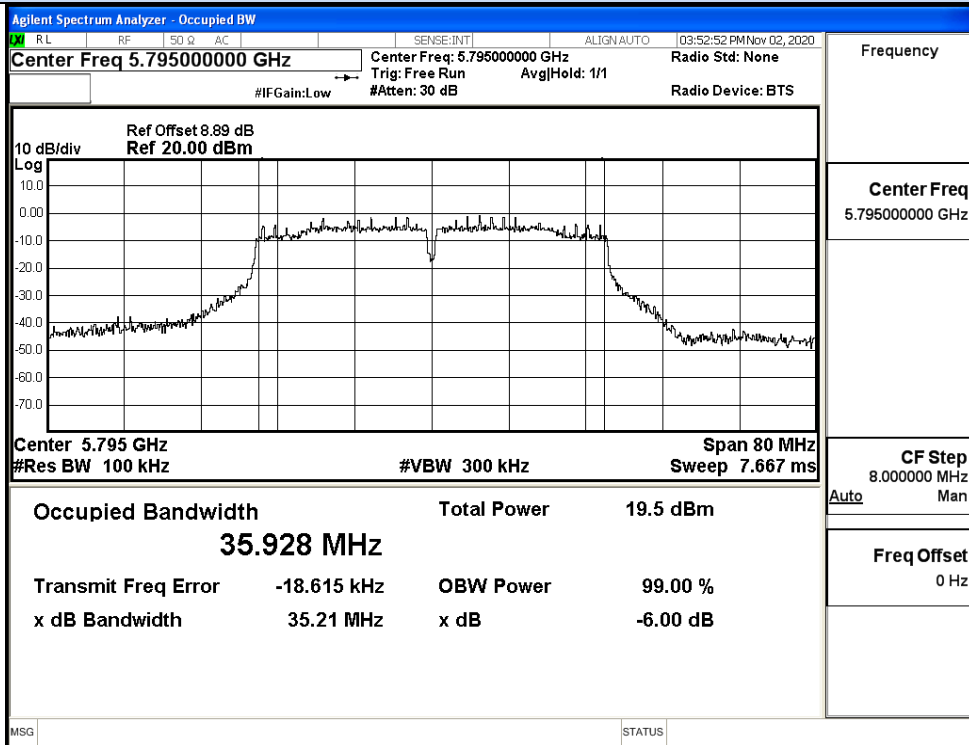
IEEE 802.11ac20 / Channel 157 / 5785MHz



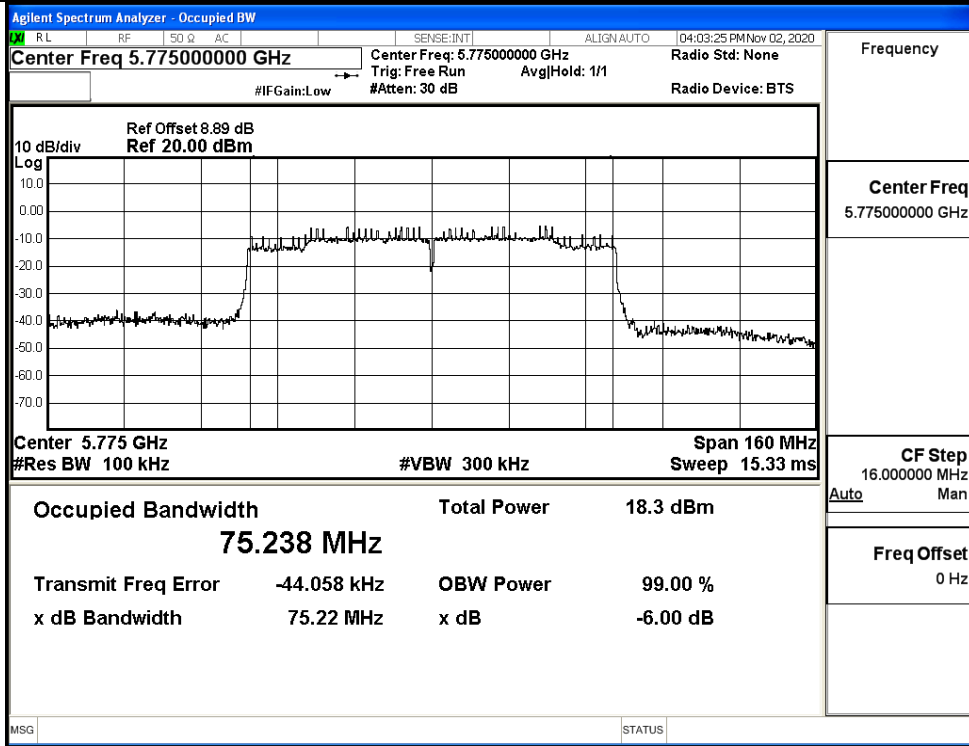
IEEE 802.11ac20 / Channel 165 / 5825MHz



IEEE 802.11ac40 / Channel 151 / 5755MHz



IEEE 802.11ac40 / Channel 159 / 5795MHz

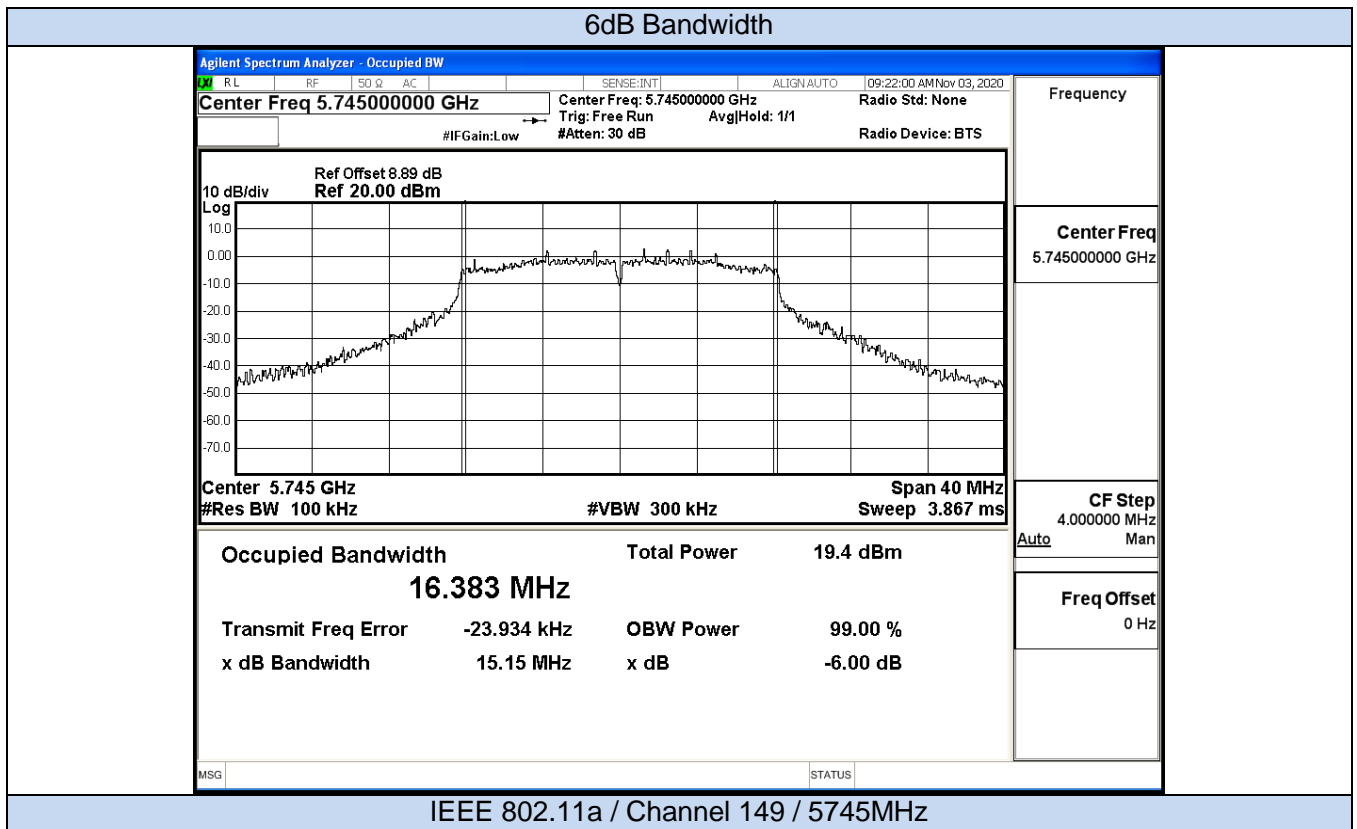


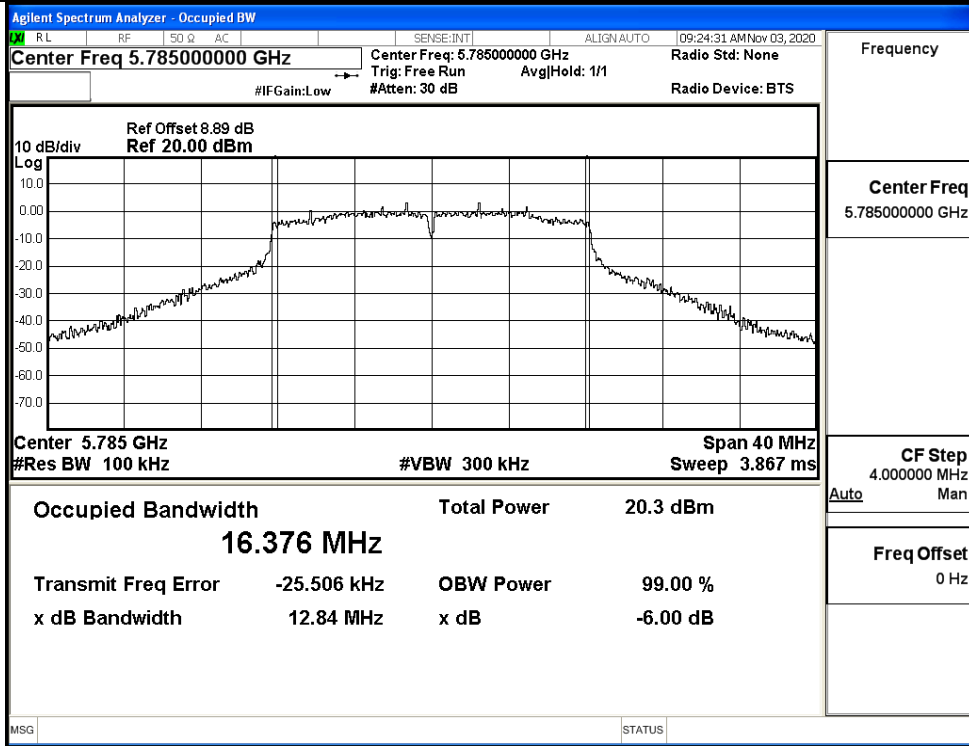
IEEE 802.11ac80 / Channel 155 / 5775MHz



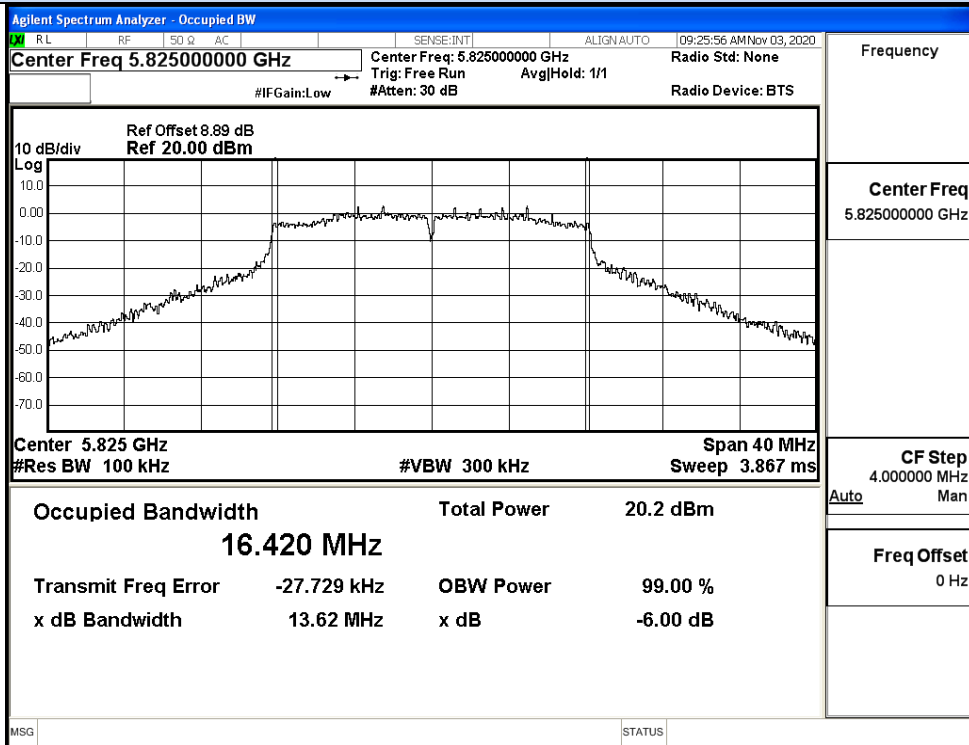
ANT 1

| Test Mode   | Channel | Frequency (MHz) | 6dB Bandwidth (MHz) | Limit (MHz) | Verdict |
|-------------|---------|-----------------|---------------------|-------------|---------|
| 11A         | 149     | 5745            | 15.15               | >=0.5       | Pass    |
|             | 157     | 5785            | 12.84               |             | Pass    |
|             | 165     | 5825            | 13.62               |             | Pass    |
| 11N20 SISO  | 149     | 5745            | 11.76               | >=0.5       | Pass    |
|             | 157     | 5785            | 15.50               |             | Pass    |
|             | 165     | 5825            | 12.23               |             | Pass    |
| 11N40 SISO  | 151     | 5755            | 33.92               | >=0.5       | Pass    |
|             | 159     | 5795            | 35.14               |             | Pass    |
| 11AC20S ISO | 149     | 5745            | 13.54               | >=0.5       | Pass    |
|             | 157     | 5785            | 15.12               |             | Pass    |
|             | 165     | 5825            | 13.18               |             | Pass    |
| 11AC40S ISO | 151     | 5755            | 35.05               | >=0.5       | Pass    |
|             | 159     | 5795            | 33.93               |             | Pass    |
| 11AC80S ISO | 155     | 5775            | 75.34               | >=0.5       | Pass    |



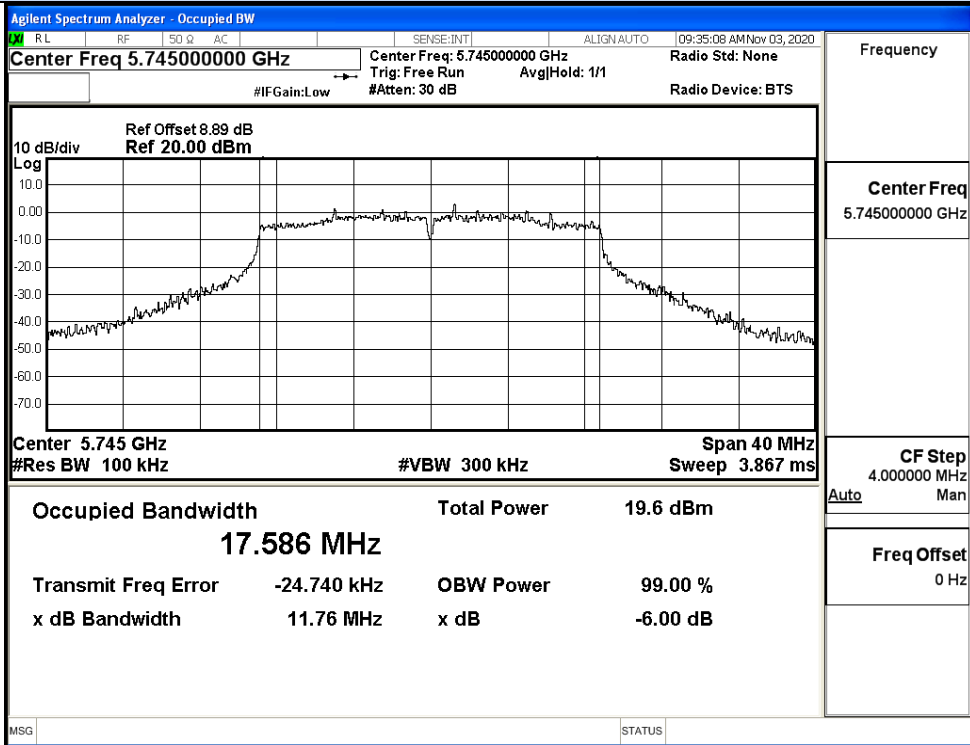


IEEE 802.11a / Channel 157 / 5785MHz

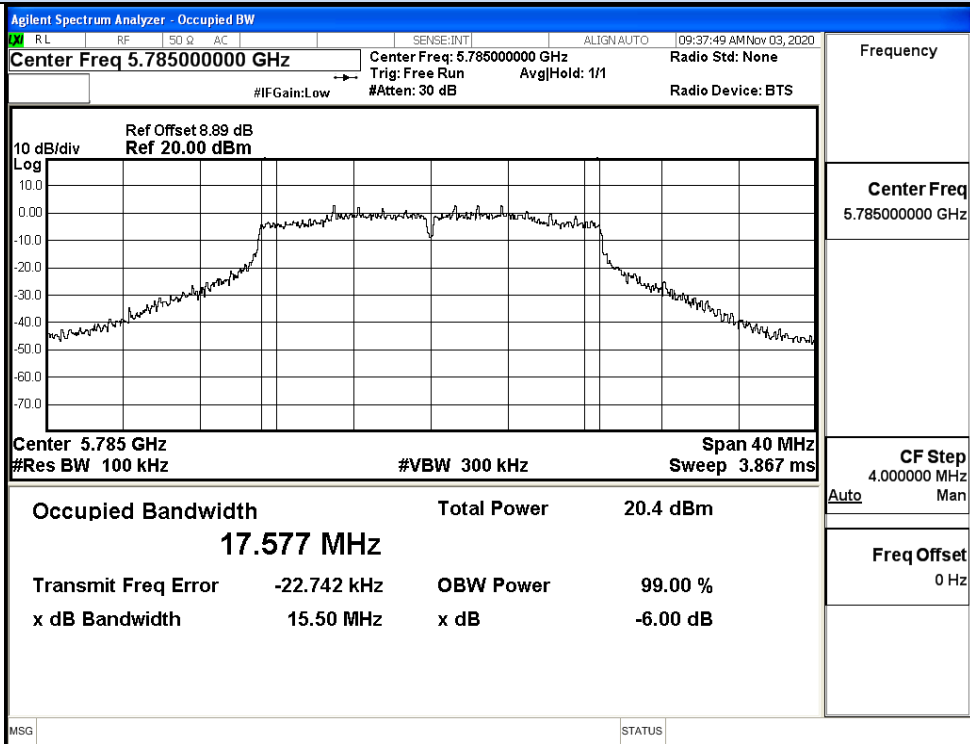


IEEE 802.11a / Channel 165 / 5825MHz

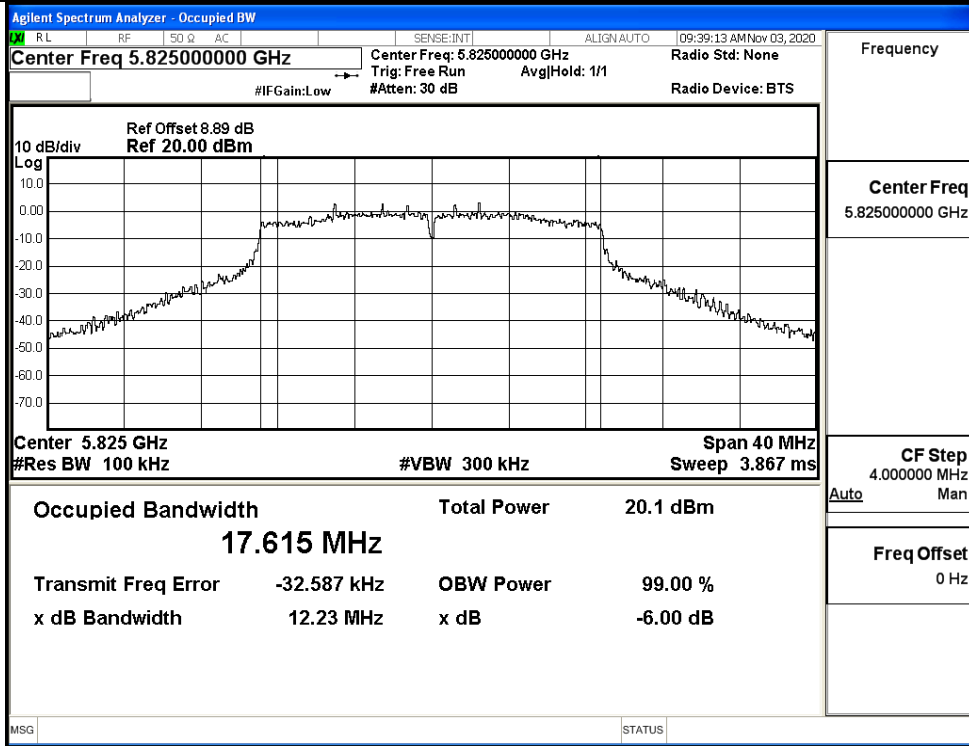
6dB Bandwidth



IEEE 802.11n20 / Channel 149 / 5745MHz

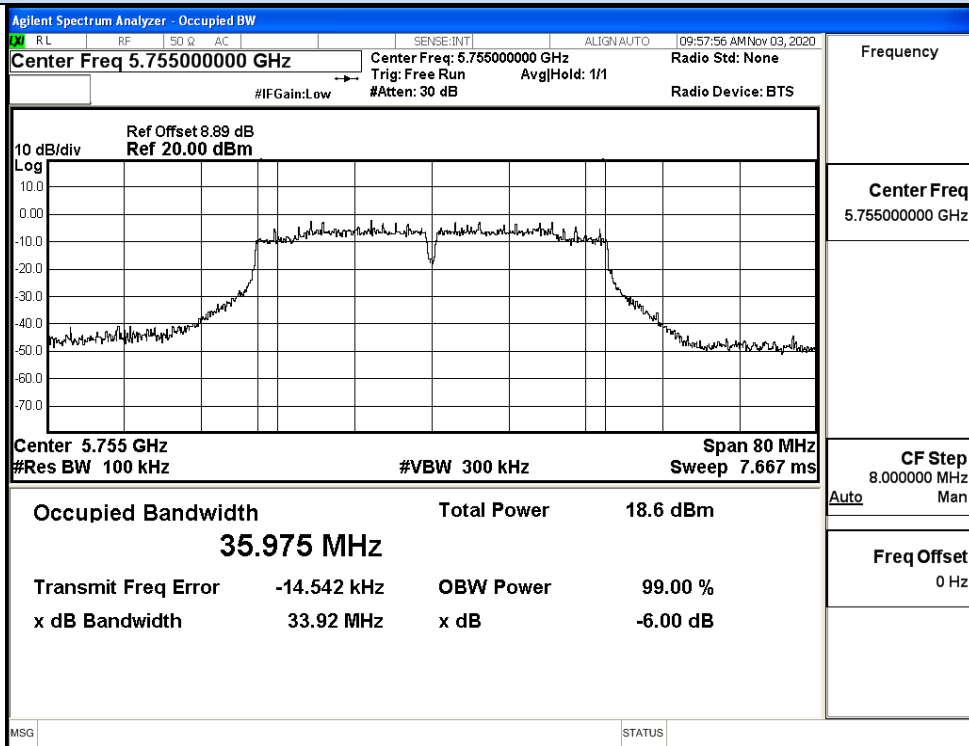


IEEE 802.11n20 / Channel 157 / 5785MHz

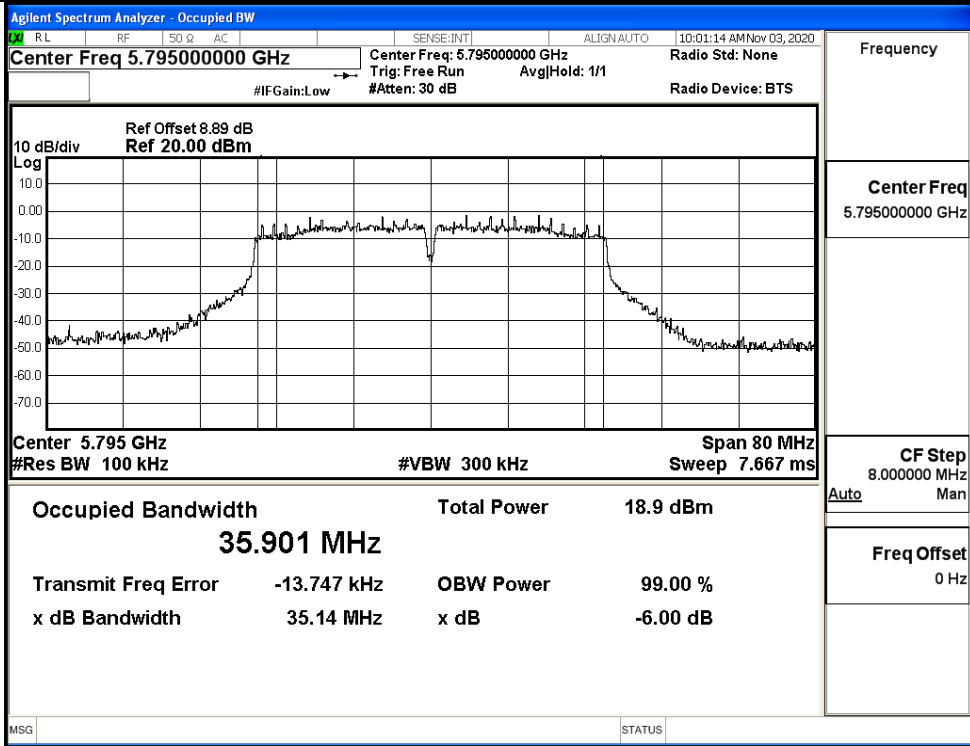


IEEE 802.11n20 / Channel 165 / 5825MHz

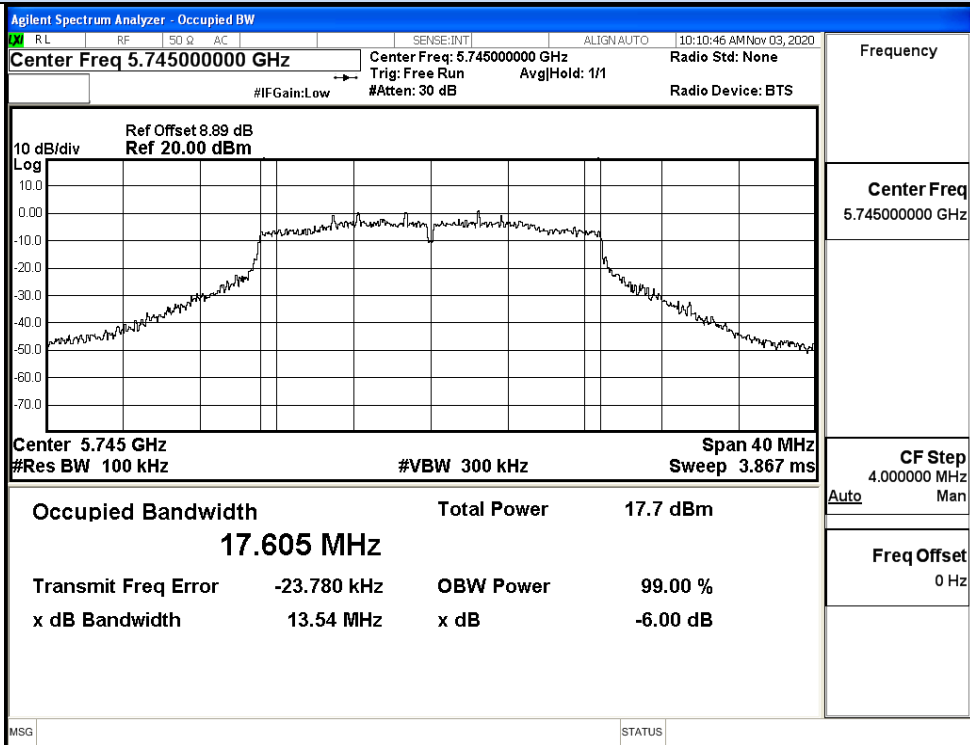
26dB Bandwidth



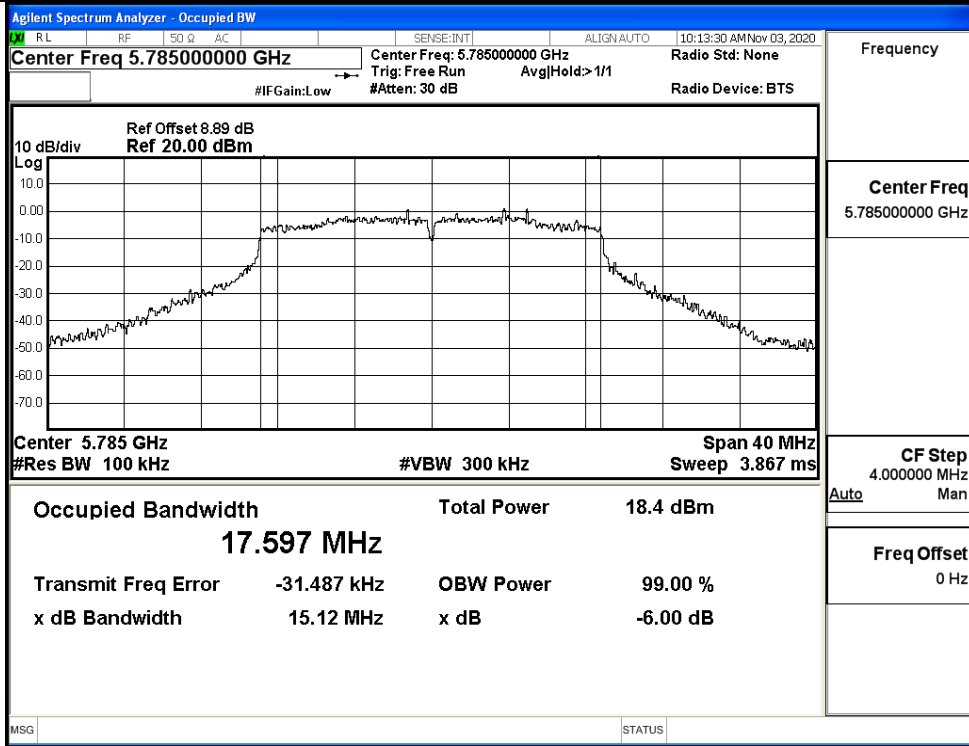
IEEE 802.11n40 / Channel 151 / 5755MHz



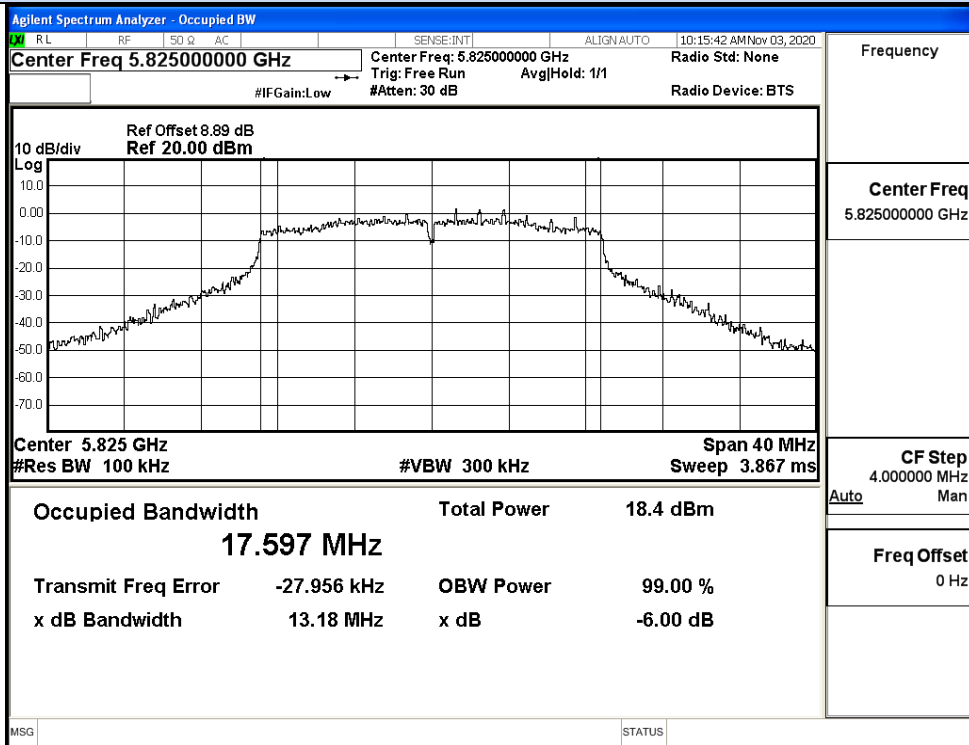
IEEE 802.11n40 / Channel 159 / 5795MHz



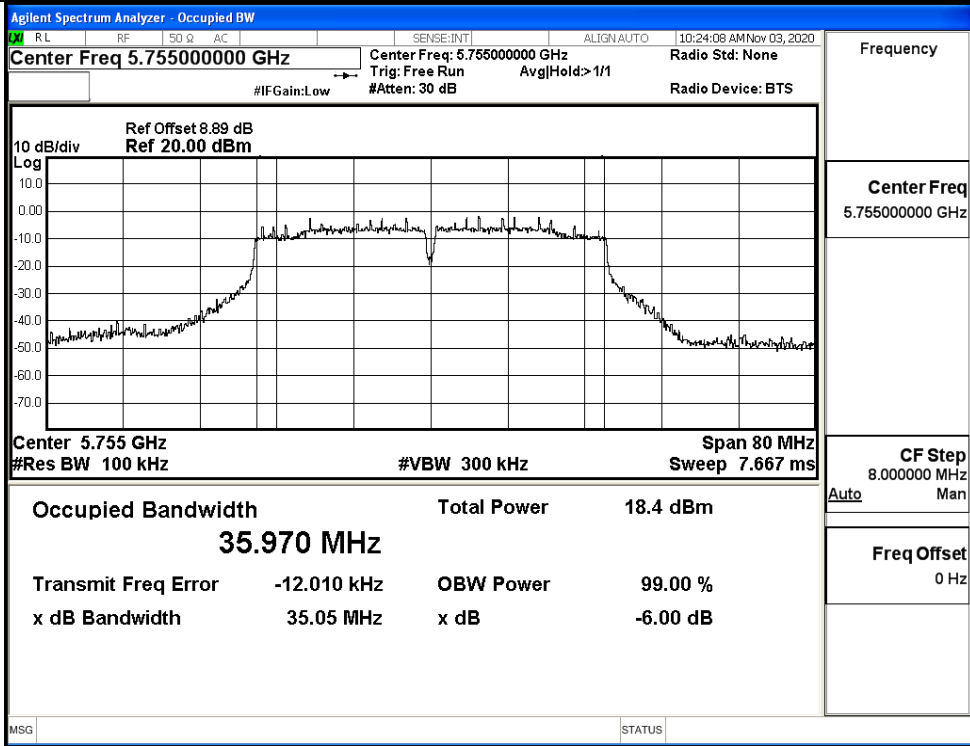
IEEE 802.11ac20 / Channel 149 / 5745MHz



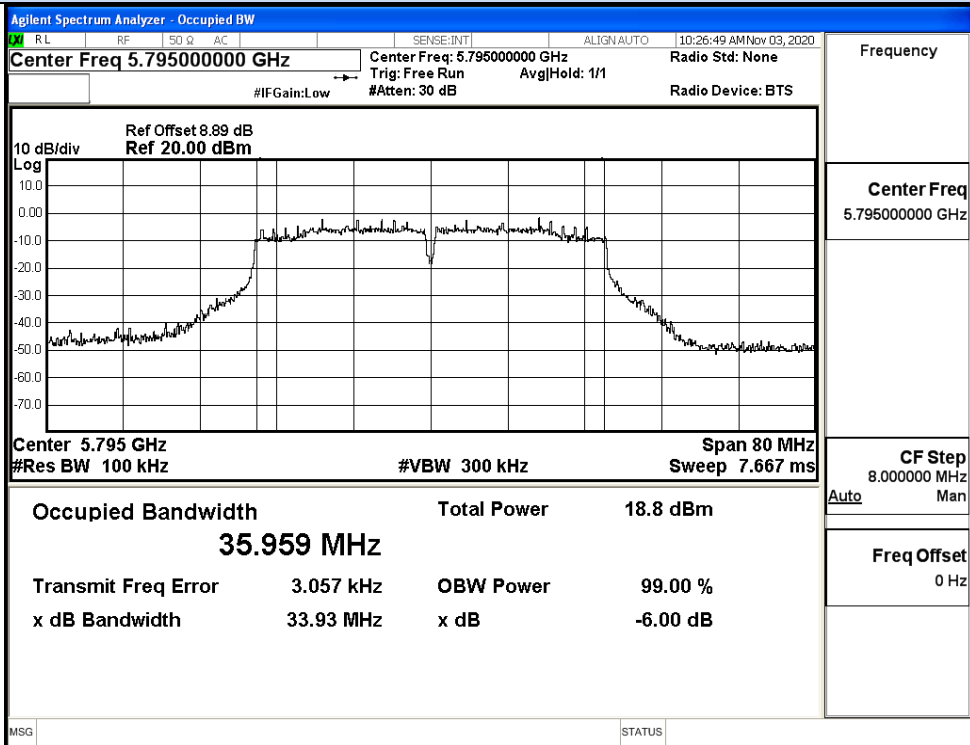
IEEE 802.11ac20 / Channel 157 / 5785MHz



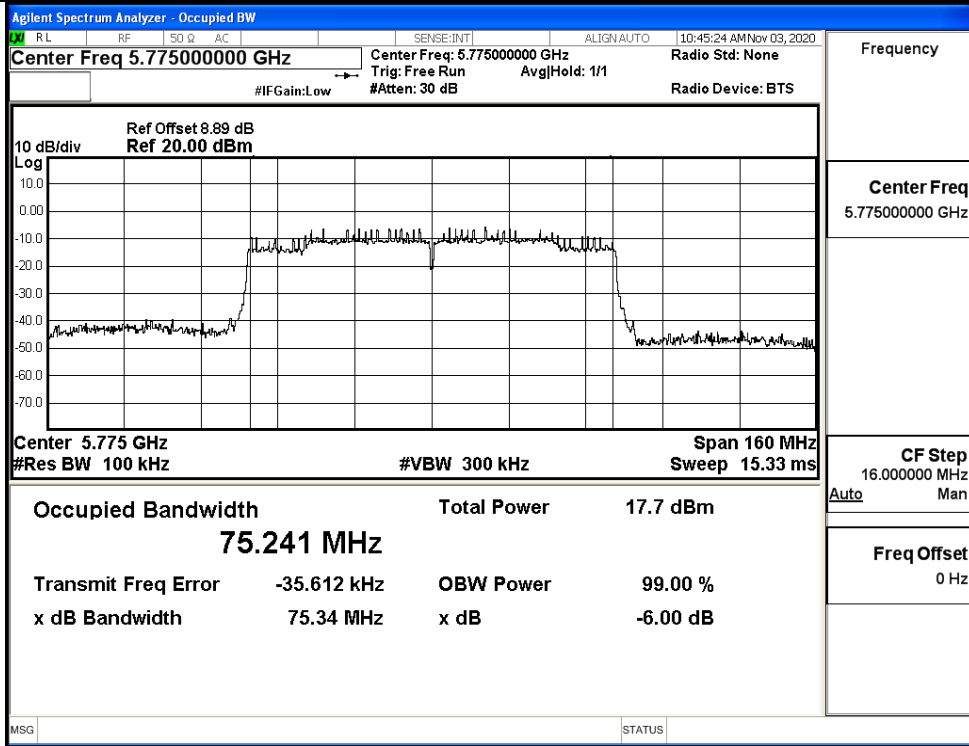
IEEE 802.11ac20 / Channel 165 / 5825MHz



IEEE 802.11ac40 / Channel 151 / 5755MHz



IEEE 802.11ac40 / Channel 159 / 5795MHz



IEEE 802.11ac80 / Channel 155 / 5775MHz



**E.5 Undesirable Emissions Measurement  
ANT 0**

| Test Mode  | Channel | Frequency (MHz) | Conducted Power (dBm) | Antenna Gain (dBi) | EIRP (dBm/MHz) | Detector | Limit (dBm/MHz) | Verdict |
|------------|---------|-----------------|-----------------------|--------------------|----------------|----------|-----------------|---------|
| 11A        | 149     | 5650.0          | -44.31                | 2.00               | -42.31         | Peak     | -27.0           | Pass    |
|            |         | 5650.0          | -55.93                | 2.00               | -53.93         | Average  | -27.0           | Pass    |
|            |         | 5700.0          | -41.52                | 2.00               | -39.52         | Peak     | 10              | Pass    |
|            |         | 5700.0          | -53.25                | 2.00               | -51.25         | Average  | 10              | Pass    |
|            |         | 5720.0          | -35.23                | 2.00               | -33.23         | Peak     | 15.6            | Pass    |
|            |         | 5720.0          | -49.39                | 2.00               | -47.39         | Average  | 15.6            | Pass    |
|            |         | 5725.0          | -29.75                | 2.00               | -27.75         | Peak     | 27.0            | Pass    |
|            | 5725.0  | -44.10          | 2.00                  | -42.1              | Average        | 27.0     | Pass            |         |
|            | 165     | 5850.0          | -38.44                | 2.00               | -36.44         | Peak     | 27.0            | Pass    |
|            |         | 5850.0          | -50.59                | 2.00               | -48.59         | Average  | 27.0            | Pass    |
|            |         | 5855.0          | -37.63                | 2.00               | -35.63         | Peak     | 15.6            | Pass    |
|            |         | 5855.0          | -51.76                | 2.00               | -49.76         | Average  | 15.6            | Pass    |
|            |         | 5875.0          | -41.77                | 2.00               | -39.77         | Peak     | 10              | Pass    |
|            |         | 5875.0          | -53.51                | 2.00               | -51.51         | Average  | 10              | Pass    |
| 5925.0     |         | -43.17          | 2.00                  | -41.17             | Peak           | -27.0    | Pass            |         |
| 5925.0     | -54.89  | 2.00            | -52.89                | Average            | -27.0          | Pass     |                 |         |
| 11N20 SISO | 149     | 5650.0          | -43.29                | 2.00               | -41.29         | Peak     | -27.0           | Pass    |
|            |         | 5650.0          | -56.09                | 2.00               | -54.09         | Average  | -27.0           | Pass    |
|            |         | 5700.0          | -39.21                | 2.00               | -37.21         | Peak     | 10              | Pass    |
|            |         | 5700.0          | -48.62                | 2.00               | -46.62         | Average  | 10              | Pass    |
|            |         | 5720.0          | -33.30                | 2.00               | -31.3          | Peak     | 15.6            | Pass    |
|            |         | 5720.0          | -53.28                | 2.00               | -51.28         | Average  | 15.6            | Pass    |
|            |         | 5725.0          | -27.83                | 2.00               | -25.83         | Peak     | 27.0            | Pass    |
|            | 5725.0  | -42.87          | 2.00                  | -40.87             | Average        | 27.0     | Pass            |         |
|            | 165     | 5850.0          | -34.26                | 2.00               | -32.26         | Peak     | 27.0            | Pass    |
|            |         | 5850.0          | -50.27                | 2.00               | -48.27         | Average  | 27.0            | Pass    |
|            |         | 5855.0          | -37.79                | 2.00               | -35.79         | Peak     | 15.6            | Pass    |
|            |         | 5855.0          | -51.63                | 2.00               | -49.63         | Average  | 15.6            | Pass    |
|            |         | 5875.0          | -42.18                | 2.00               | -40.18         | Peak     | 10              | Pass    |
|            |         | 5875.0          | -53.45                | 2.00               | -51.45         | Average  | 10              | Pass    |
| 5925.0     |         | -42.51          | 2.00                  | -40.51             | Peak           | -27.0    | Pass            |         |
| 5925.0     | -54.85  | 2.00            | -52.85                | Average            | -27.0          | Pass     |                 |         |

| Test Mode   | Channel | Frequency (MHz) | Conducted Power (dBm) | Antenna Gain (dBi) | EIRP (dBm/MHz) | Detector | Limit (dBm/MHz) | Verdict |
|-------------|---------|-----------------|-----------------------|--------------------|----------------|----------|-----------------|---------|
| 11N40 SISO  | 151     | 5650.0          | -43.65                | 2.00               | -41.65         | Peak     | -27.0           | Pass    |
|             |         | 5650.0          | -55.52                | 2.00               | -53.52         | Average  | -27.0           | Pass    |
|             |         | 5700.0          | -34.64                | 2.00               | -32.64         | Peak     | 10              | Pass    |
|             |         | 5700.0          | -49.28                | 2.00               | -47.28         | Average  | 10              | Pass    |
|             |         | 5720.0          | -28.75                | 2.00               | -26.75         | Peak     | 15.6            | Pass    |
|             |         | 5720.0          | -40.49                | 2.00               | -38.49         | Average  | 15.6            | Pass    |
|             |         | 5725.0          | -27.57                | 2.00               | -25.57         | Peak     | 27.0            | Pass    |
|             | 5725.0  | -39.19          | 2.00                  | -37.19             | Average        | 27.0     | Pass            |         |
|             | 159     | 5850.0          | -37.91                | 2.00               | -35.91         | Peak     | 27.0            | Pass    |
|             |         | 5850.0          | -50.47                | 2.00               | -48.47         | Average  | 27.0            | Pass    |
|             |         | 5855.0          | -37.80                | 2.00               | -35.8          | Peak     | 15.6            | Pass    |
|             |         | 5855.0          | -50.91                | 2.00               | -48.91         | Average  | 15.6            | Pass    |
|             |         | 5875.0          | -42.17                | 2.00               | -40.17         | Peak     | 10              | Pass    |
|             |         | 5875.0          | -53.22                | 2.00               | -51.22         | Average  | 10              | Pass    |
| 5925.0      |         | -42.90          | 2.00                  | -40.9              | Peak           | -27.0    | Pass            |         |
| 5925.0      | -54.48  | 2.00            | -52.48                | Average            | -27.0          | Pass     |                 |         |
| 11AC20 SISO | 149     | 5650.0          | -46.18                | 2.00               | -44.18         | Peak     | -27.0           | Pass    |
|             |         | 5650.0          | -58.14                | 2.00               | -56.14         | Average  | -27.0           | Pass    |
|             |         | 5700.0          | -44.47                | 2.00               | -42.47         | Peak     | 10              | Pass    |
|             |         | 5700.0          | -54.16                | 2.00               | -52.16         | Average  | 10              | Pass    |
|             |         | 5720.0          | -42.11                | 2.00               | -40.11         | Peak     | 15.6            | Pass    |
|             |         | 5720.0          | -56.25                | 2.00               | -54.25         | Average  | 15.6            | Pass    |
|             |         | 5725.0          | -36.25                | 2.00               | -34.25         | Peak     | 27.0            | Pass    |
|             | 5725.0  | -49.95          | 2.00                  | -47.95             | Average        | 27.0     | Pass            |         |
|             | 165     | 5850.0          | -37.93                | 2.00               | -35.93         | Peak     | 27.0            | Pass    |
|             |         | 5850.0          | -50.19                | 2.00               | -48.19         | Average  | 27.0            | Pass    |
|             |         | 5855.0          | -38.33                | 2.00               | -36.33         | Peak     | 15.6            | Pass    |
|             |         | 5855.0          | -51.53                | 2.00               | -49.53         | Average  | 15.6            | Pass    |
|             |         | 5875.0          | -39.96                | 2.00               | -37.96         | Peak     | 10              | Pass    |

|                    |        |        |        |         |        |         |         |       |      |
|--------------------|--------|--------|--------|---------|--------|---------|---------|-------|------|
| 11AC4<br>0<br>SISO | 151    | 5875.0 | -53.35 | 2.00    | -51.35 | Average | 10      | Pass  |      |
|                    |        | 5925.0 | -44.22 | 2.00    | -42.22 | Peak    | -27.0   | Pass  |      |
|                    |        | 5925.0 | -54.92 | 2.00    | -52.92 | Average | -27.0   | Pass  |      |
|                    | 159    | 5650.0 | -44.98 | 2.00    | -42.98 | Peak    | -27.0   | Pass  |      |
|                    |        | 5650.0 | -57.17 | 2.00    | -55.17 | Average | -27.0   | Pass  |      |
|                    |        | 5700.0 | -38.66 | 2.00    | -36.66 | Peak    | 10      | Pass  |      |
|                    |        | 5700.0 | -52.48 | 2.00    | -50.48 | Average | 10      | Pass  |      |
|                    |        | 5720.0 | -29.81 | 2.00    | -27.81 | Peak    | 15.6    | Pass  |      |
|                    |        | 5720.0 | -44.33 | 2.00    | -42.33 | Average | 15.6    | Pass  |      |
|                    |        | 5725.0 | -30.16 | 2.00    | -28.16 | Peak    | 27.0    | Pass  |      |
|                    |        | 5725.0 | -43.11 | 2.00    | -41.11 | Average | 27.0    | Pass  |      |
|                    |        | 155    | 5850.0 | -42.10  | 2.00   | -40.1   | Peak    | 27.0  | Pass |
|                    |        |        | 5850.0 | -53.37  | 2.00   | -51.37  | Average | 27.0  | Pass |
|                    |        |        | 5855.0 | -42.76  | 2.00   | -40.76  | Peak    | 15.6  | Pass |
|                    |        |        | 5855.0 | -53.77  | 2.00   | -51.77  | Average | 15.6  | Pass |
|                    |        |        | 5875.0 | -43.74  | 2.00   | -41.74  | Peak    | 10    | Pass |
|                    |        |        | 5875.0 | -54.96  | 2.00   | -52.96  | Average | 10    | Pass |
|                    |        |        | 5925.0 | -44.78  | 2.00   | -42.78  | Peak    | -27.0 | Pass |
|                    |        |        | 5925.0 | -55.83  | 2.00   | -53.83  | Average | -27.0 | Pass |
| 11AC8<br>0<br>SISO | 155    | 5725.0 | -35.47 | 2.00    | -33.47 | Peak    | 27.0    | Pass  |      |
|                    |        | 5720.0 | -37.20 | 2.00    | -35.2  | Peak    | 15.6    | Pass  |      |
|                    |        | 5700.0 | -35.24 | 2.00    | -33.24 | Peak    | 10      | Pass  |      |
|                    |        | 5650.0 | -47.00 | 2.00    | -45    | Peak    | -27.0   | Pass  |      |
|                    |        | 5725.0 | -48.05 | 2.00    | -46.05 | Average | 27.0    | Pass  |      |
|                    |        | 5720.0 | -46.94 | 2.00    | -44.94 | Average | 15.6    | Pass  |      |
|                    |        | 5700.0 | -47.48 | 2.00    | -45.48 | Average | 10      | Pass  |      |
|                    |        | 5650.0 | -57.27 | 2.00    | -55.27 | Average | -27.0   | Pass  |      |
|                    |        | 5850.0 | -36.11 | 2.00    | -34.11 | Peak    | 27.0    | Pass  |      |
|                    |        | 5855.0 | -37.90 | 2.00    | -35.9  | Peak    | 15.6    | Pass  |      |
|                    |        | 5875.0 | -41.99 | 2.00    | -39.99 | Peak    | 10      | Pass  |      |
|                    |        | 5925.0 | -45.63 | 2.00    | -43.63 | Peak    | -27.0   | Pass  |      |
|                    |        | 5850.0 | -50.03 | 2.00    | -48.03 | Average | 27.0    | Pass  |      |
|                    |        | 5855.0 | -51.49 | 2.00    | -49.49 | Average | 15.6    | Pass  |      |
|                    |        | 5875.0 | -54.63 | 2.00    | -52.63 | Average | 10      | Pass  |      |
| 5925.0             | -56.50 | 2.00   | -54.5  | Average | -27.0  | Pass    |         |       |      |

ANT 1

| Test Mode  | Channel | Frequency (MHz) | Conducted Power (dBm) | Antenna Gain (dBi) | EIRP (dBm/MHz) | Detector | Limit (dBm/MHz) | Verdict |
|------------|---------|-----------------|-----------------------|--------------------|----------------|----------|-----------------|---------|
| 11A        | 149     | 5650.0          | -43.08                | 2.00               | -41.08         | Peak     | -27.0           | Pass    |
|            |         | 5650.0          | -56.59                | 2.00               | -54.59         | Average  | -27.0           | Pass    |
|            |         | 5700.0          | -41.16                | 2.00               | -39.16         | Peak     | 10              | Pass    |
|            |         | 5700.0          | -53.93                | 2.00               | -51.93         | Average  | 10              | Pass    |
|            |         | 5720.0          | -36.41                | 2.00               | -34.41         | Peak     | 15.6            | Pass    |
|            |         | 5720.0          | -50.87                | 2.00               | -48.87         | Average  | 15.6            | Pass    |
|            |         | 5725.0          | -33.15                | 2.00               | -31.15         | Peak     | 27.0            | Pass    |
|            | 5725.0  | -46.71          | 2.00                  | -44.71             | Average        | 27.0     | Pass            |         |
|            | 165     | 5850.0          | -38.63                | 2.00               | -36.63         | Peak     | 27.0            | Pass    |
|            |         | 5850.0          | -50.85                | 2.00               | -48.85         | Average  | 27.0            | Pass    |
|            |         | 5855.0          | -36.99                | 2.00               | -34.99         | Peak     | 15.6            | Pass    |
|            |         | 5855.0          | -52.37                | 2.00               | -50.37         | Average  | 15.6            | Pass    |
|            |         | 5875.0          | -43.27                | 2.00               | -41.27         | Peak     | 10              | Pass    |
|            |         | 5875.0          | -54.53                | 2.00               | -52.53         | Average  | 10              | Pass    |
| 5925.0     |         | -44.44          | 2.00                  | -42.44             | Peak           | -27.0    | Pass            |         |
| 5925.0     | -55.80  | 2.00            | -53.8                 | Average            | -27.0          | Pass     |                 |         |
| 11N20 SISO | 149     | 5650.0          | -44.69                | 2.00               | -42.69         | Peak     | -27.0           | Pass    |
|            |         | 5650.0          | -56.61                | 2.00               | -54.61         | Average  | -27.0           | Pass    |
|            |         | 5700.0          | -41.60                | 2.00               | -39.6          | Peak     | 10              | Pass    |
|            |         | 5700.0          | -50.33                | 2.00               | -48.33         | Average  | 10              | Pass    |
|            |         | 5720.0          | -36.00                | 2.00               | -34            | Peak     | 15.6            | Pass    |
|            |         | 5720.0          | -53.90                | 2.00               | -51.9          | Average  | 15.6            | Pass    |
|            |         | 5725.0          | -30.22                | 2.00               | -28.22         | Peak     | 27.0            | Pass    |
|            | 5725.0  | -45.81          | 2.00                  | -43.81             | Average        | 27.0     | Pass            |         |
|            | 165     | 5850.0          | -36.97                | 2.00               | -34.97         | Peak     | 27.0            | Pass    |
|            |         | 5850.0          | -50.17                | 2.00               | -48.17         | Average  | 27.0            | Pass    |
|            |         | 5855.0          | -37.57                | 2.00               | -35.57         | Peak     | 15.6            | Pass    |
|            |         | 5855.0          | -52.26                | 2.00               | -50.26         | Average  | 15.6            | Pass    |
|            |         | 5875.0          | -42.94                | 2.00               | -40.94         | Peak     | 10              | Pass    |
|            |         | 5875.0          | -54.57                | 2.00               | -52.57         | Average  | 10              | Pass    |
| 5925.0     |         | -43.87          | 2.00                  | -41.87             | Peak           | -27.0    | Pass            |         |
| 5925.0     | -55.92  | 2.00            | -53.92                | Average            | -27.0          | Pass     |                 |         |

| Test Mode   | Channel | Frequency (MHz) | Conducted Power (dBm) | Antenna Gain (dBi) | EIRP (dBm/MHz) | Detector | Limit (dBm/MHz) | Verdict |
|-------------|---------|-----------------|-----------------------|--------------------|----------------|----------|-----------------|---------|
| 11N40 SISO  | 151     | 5650.0          | -45.67                | 2.00               | -43.67         | Peak     | -27.0           | Pass    |
|             |         | 5650.0          | -57.46                | 2.00               | -55.46         | Average  | -27.0           | Pass    |
|             |         | 5700.0          | -41.24                | 2.00               | -39.24         | Peak     | 10              | Pass    |
|             |         | 5700.0          | -52.86                | 2.00               | -50.86         | Average  | 10              | Pass    |
|             |         | 5720.0          | -34.60                | 2.00               | -32.6          | Peak     | 15.6            | Pass    |
|             |         | 5720.0          | -46.75                | 2.00               | -44.75         | Average  | 15.6            | Pass    |
|             |         | 5725.0          | -34.24                | 2.00               | -32.24         | Peak     | 27.0            | Pass    |
|             | 5725.0  | -45.38          | 2.00                  | -43.38             | Average        | 27.0     | Pass            |         |
|             | 159     | 5850.0          | -42.98                | 2.00               | -40.98         | Peak     | 27.0            | Pass    |
|             |         | 5850.0          | -54.23                | 2.00               | -52.23         | Average  | 27.0            | Pass    |
|             |         | 5855.0          | -42.56                | 2.00               | -40.56         | Peak     | 15.6            | Pass    |
|             |         | 5855.0          | -54.51                | 2.00               | -52.51         | Average  | 15.6            | Pass    |
|             |         | 5875.0          | -43.97                | 2.00               | -41.97         | Peak     | 10              | Pass    |
|             |         | 5875.0          | -55.59                | 2.00               | -53.59         | Average  | 10              | Pass    |
| 5925.0      |         | -46.01          | 2.00                  | -44.01             | Peak           | -27.0    | Pass            |         |
| 5925.0      | -56.81  | 2.00            | -54.81                | Average            | -27.0          | Pass     |                 |         |
| 11AC20 SISO | 149     | 5650.0          | -45.54                | 2.00               | -43.54         | Peak     | -27.0           | Pass    |
|             |         | 5650.0          | -57.57                | 2.00               | -55.57         | Average  | -27.0           | Pass    |
|             |         | 5700.0          | -43.89                | 2.00               | -41.89         | Peak     | 10              | Pass    |
|             |         | 5700.0          | -53.33                | 2.00               | -51.33         | Average  | 10              | Pass    |
|             |         | 5720.0          | -38.79                | 2.00               | -36.79         | Peak     | 15.6            | Pass    |
|             |         | 5720.0          | -55.29                | 2.00               | -53.29         | Average  | 15.6            | Pass    |
|             |         | 5725.0          | -33.68                | 2.00               | -31.68         | Peak     | 27.0            | Pass    |
|             | 5725.0  | -48.97          | 2.00                  | -46.97             | Average        | 27.0     | Pass            |         |
|             | 165     | 5850.0          | -39.95                | 2.00               | -37.95         | Peak     | 27.0            | Pass    |
|             |         | 5850.0          | -53.16                | 2.00               | -51.16         | Average  | 27.0            | Pass    |
|             |         | 5855.0          | -42.30                | 2.00               | -40.3          | Peak     | 15.6            | Pass    |
|             |         | 5855.0          | -54.14                | 2.00               | -52.14         | Average  | 15.6            | Pass    |
|             |         | 5875.0          | -41.65                | 2.00               | -39.65         | Peak     | 10              | Pass    |
|             |         | 5875.0          | -55.71                | 2.00               | -53.71         | Average  | 10              | Pass    |

|                    |        |        |        |         |        |         |       |      |
|--------------------|--------|--------|--------|---------|--------|---------|-------|------|
| 11AC4<br>0<br>SISO | 151    | 5925.0 | -45.32 | 2.00    | -43.32 | Peak    | -27.0 | Pass |
|                    |        | 5925.0 | -56.86 | 2.00    | -54.86 | Average | -27.0 | Pass |
|                    |        | 5650.0 | -45.11 | 2.00    | -43.11 | Peak    | -27.0 | Pass |
|                    |        | 5650.0 | -57.65 | 2.00    | -55.65 | Average | -27.0 | Pass |
|                    |        | 5700.0 | -41.70 | 2.00    | -39.7  | Peak    | 10    | Pass |
|                    |        | 5700.0 | -53.85 | 2.00    | -51.85 | Average | 10    | Pass |
|                    | 159    | 5720.0 | -33.81 | 2.00    | -31.81 | Peak    | 15.6  | Pass |
|                    |        | 5720.0 | -47.38 | 2.00    | -45.38 | Average | 15.6  | Pass |
|                    |        | 5725.0 | -33.19 | 2.00    | -31.19 | Peak    | 27.0  | Pass |
|                    |        | 5725.0 | -46.13 | 2.00    | -44.13 | Average | 27.0  | Pass |
|                    |        | 5850.0 | -42.75 | 2.00    | -40.75 | Peak    | 27.0  | Pass |
|                    |        | 5850.0 | -54.28 | 2.00    | -52.28 | Average | 27.0  | Pass |
|                    |        | 5855.0 | -42.97 | 2.00    | -40.97 | Peak    | 15.6  | Pass |
|                    |        | 5855.0 | -54.62 | 2.00    | -52.62 | Average | 15.6  | Pass |
|                    |        | 5875.0 | -44.47 | 2.00    | -42.47 | Peak    | 10    | Pass |
|                    |        | 5875.0 | -55.63 | 2.00    | -53.63 | Average | 10    | Pass |
|                    |        | 5925.0 | -45.98 | 2.00    | -43.98 | Peak    | -27.0 | Pass |
|                    |        | 5925.0 | -56.93 | 2.00    | -54.93 | Average | -27.0 | Pass |
| 11AC8<br>0<br>SISO | 155    | 5725.0 | -33.88 | 2.00    | -31.88 | Peak    | 27.0  | Pass |
|                    |        | 5720.0 | -34.66 | 2.00    | -32.66 | Peak    | 15.6  | Pass |
|                    |        | 5700.0 | -36.35 | 2.00    | -34.35 | Peak    | 10    | Pass |
|                    |        | 5650.0 | -48.20 | 2.00    | -46.2  | Peak    | -27.0 | Pass |
|                    |        | 5725.0 | -54.07 | 2.00    | -52.07 | Average | 27.0  | Pass |
|                    |        | 5720.0 | -54.28 | 2.00    | -52.28 | Average | 15.6  | Pass |
|                    |        | 5700.0 | -55.46 | 2.00    | -53.46 | Average | 10    | Pass |
|                    |        | 5650.0 | -58.26 | 2.00    | -56.26 | Average | -27.0 | Pass |
|                    |        | 5850.0 | -36.92 | 2.00    | -34.92 | Peak    | 27.0  | Pass |
|                    |        | 5855.0 | -38.81 | 2.00    | -36.81 | Peak    | 15.6  | Pass |
|                    |        | 5875.0 | -44.69 | 2.00    | -42.69 | Peak    | 10    | Pass |
|                    |        | 5925.0 | -47.36 | 2.00    | -45.36 | Peak    | -27.0 | Pass |
|                    |        | 5850.0 | -50.97 | 2.00    | -48.97 | Average | 27.0  | Pass |
|                    |        | 5855.0 | -52.36 | 2.00    | -50.36 | Average | 15.6  | Pass |
|                    |        | 5875.0 | -55.68 | 2.00    | -53.68 | Average | 10    | Pass |
| 5925.0             | -57.65 | 2.00   | -55.65 | Average | -27.0  | Pass    |       |      |

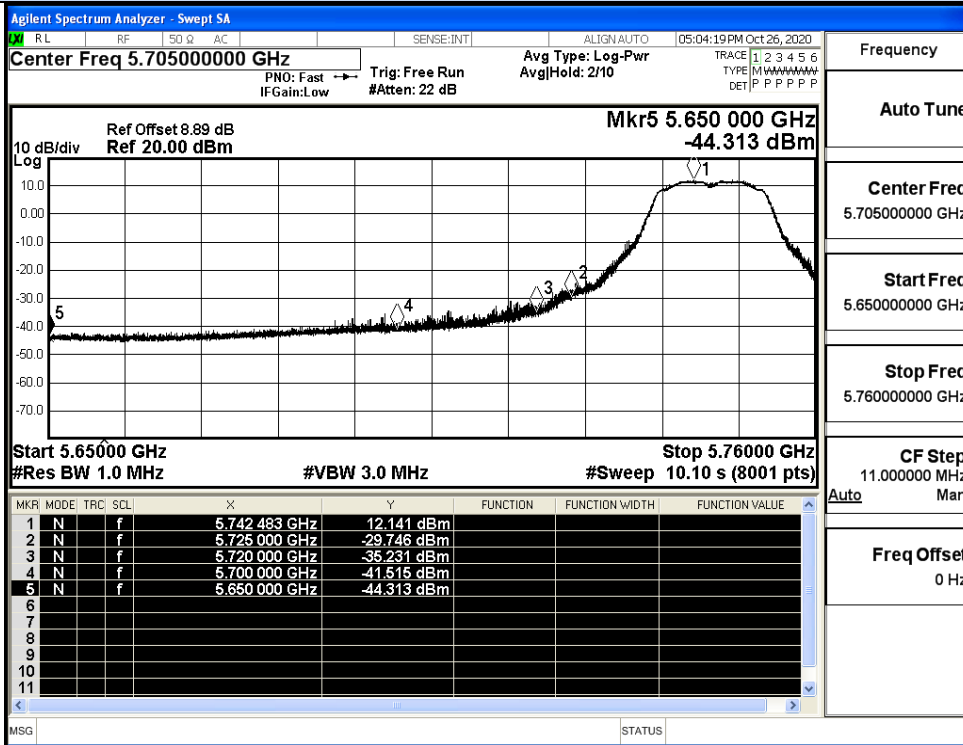
**Combined Ant\_0 and Ant\_1**

| Test Mode | Channel | Frequency (MHz) | Conducted Power (dBm) |        |        | Antenna Gain (dBi) | EIRP (dBm/MHz) | Detector | Limit (dBm/MHz) | Verdict |
|-----------|---------|-----------------|-----------------------|--------|--------|--------------------|----------------|----------|-----------------|---------|
|           |         |                 | ANT0                  | ANT1   | SUM    |                    |                |          |                 |         |
| 11N20     | 149     | 5650.0          | -43.29                | -44.69 | -40.92 | 3.94               | -36.98         | Peak     | -27.0           | Pass    |
|           |         | 5650.0          | -56.09                | -56.61 | -53.33 | 3.94               | -49.39         | Average  | -27.0           | Pass    |
|           |         | 5700.0          | -39.21                | -41.60 | -37.23 | 3.94               | -33.29         | Peak     | 10              | Pass    |
|           |         | 5700.0          | -48.62                | -50.33 | -46.38 | 3.94               | -42.44         | Average  | 10              | Pass    |
|           |         | 5720.0          | -33.30                | -36.00 | -31.43 | 3.94               | -27.49         | Peak     | 15.6            | Pass    |
|           |         | 5720.0          | -53.28                | -53.90 | -50.57 | 3.94               | -46.63         | Average  | 15.6            | Pass    |
|           |         | 5725.0          | -27.83                | -30.22 | -25.85 | 3.94               | -21.91         | Peak     | 27.0            | Pass    |
|           |         | 5725.0          | -42.87                | -45.81 | -41.09 | 3.94               | -37.15         | Average  | 27.0            | Pass    |
|           | 165     | 5850.0          | -34.26                | -36.97 | -32.40 | 3.94               | -28.46         | Peak     | 27.0            | Pass    |
|           |         | 5850.0          | -50.27                | -50.17 | -47.21 | 3.94               | -43.27         | Average  | 27.0            | Pass    |
|           |         | 5855.0          | -37.79                | -37.57 | -34.67 | 3.94               | -30.73         | Peak     | 15.6            | Pass    |
|           |         | 5855.0          | -51.63                | -52.26 | -48.92 | 3.94               | -44.98         | Average  | 15.6            | Pass    |
|           |         | 5875.0          | -42.18                | -42.94 | -39.53 | 3.94               | -35.59         | Peak     | 10              | Pass    |
|           |         | 5875.0          | -53.45                | -54.57 | -50.96 | 3.94               | -47.02         | Average  | 10              | Pass    |
|           |         | 5925.0          | -42.51                | -43.87 | -40.13 | 3.94               | -36.19         | Peak     | -27.0           | Pass    |
|           |         | 5925.0          | -54.85                | -55.92 | -52.34 | 3.94               | -48.4          | Average  | -27.0           | Pass    |
| 11N40     | 151     | 5650.0          | -43.65                | -45.67 | -41.53 | 3.94               | -37.59         | Peak     | -27.0           | Pass    |
|           |         | 5650.0          | -55.52                | -57.46 | -53.37 | 3.94               | -49.43         | Average  | -27.0           | Pass    |
|           |         | 5700.0          | -34.64                | -41.24 | -33.78 | 3.94               | -29.84         | Peak     | 10              | Pass    |
|           |         | 5700.0          | -49.28                | -52.86 | -47.70 | 3.94               | -43.76         | Average  | 10              | Pass    |
|           |         | 5720.0          | -28.75                | -34.60 | -27.75 | 3.94               | -23.81         | Peak     | 15.6            | Pass    |
|           |         | 5720.0          | -40.49                | -46.75 | -39.57 | 3.94               | -35.63         | Average  | 15.6            | Pass    |
|           |         | 5725.0          | -27.57                | -34.24 | -26.72 | 3.94               | -22.78         | Peak     | 27.0            | Pass    |
|           |         | 5725.0          | -39.19                | -45.38 | -38.25 | 3.94               | -34.31         | Average  | 27.0            | Pass    |
|           | 159     | 5850.0          | -37.91                | -42.98 | -36.73 | 3.94               | -32.79         | Peak     | 27.0            | Pass    |
|           |         | 5850.0          | -50.47                | -54.23 | -48.94 | 3.94               | -45            | Average  | 27.0            | Pass    |
|           |         | 5855.0          | -37.80                | -42.56 | -36.55 | 3.94               | -32.61         | Peak     | 15.6            | Pass    |
|           |         | 5855.0          | -50.91                | -54.51 | -49.34 | 3.94               | -45.4          | Average  | 15.6            | Pass    |
|           |         | 5875.0          | -42.17                | -43.97 | -39.97 | 3.94               | -36.03         | Peak     | 10              | Pass    |
|           |         | 5875.0          | -53.22                | -55.59 | -51.23 | 3.94               | -47.29         | Average  | 10              | Pass    |
|           |         | 5925.0          | -42.90                | -46.01 | -41.17 | 3.94               | -37.23         | Peak     | -27.0           | Pass    |
|           |         | 5925.0          | -54.48                | -56.81 | -52.48 | 3.94               | -48.54         | Average  | -27.0           | Pass    |
| 11AC20    | 149     | 5650.0          | -46.18                | -45.54 | -42.84 | 3.94               | -38.9          | Peak     | -27.0           | Pass    |
|           |         | 5650.0          | -58.14                | -57.57 | -54.84 | 3.94               | -50.9          | Average  | -27.0           | Pass    |
|           |         | 5700.0          | -44.47                | -43.89 | -41.16 | 3.94               | -37.22         | Peak     | 10              | Pass    |
|           |         | 5700.0          | -54.16                | -53.33 | -50.71 | 3.94               | -46.77         | Average  | 10              | Pass    |
|           |         | 5720.0          | -42.11                | -38.79 | -37.13 | 3.94               | -33.19         | Peak     | 15.6            | Pass    |
|           |         | 5720.0          | -56.25                | -55.29 | -52.73 | 3.94               | -48.79         | Average  | 15.6            | Pass    |
|           |         | 5725.0          | -36.25                | -33.68 | -31.77 | 3.94               | -27.83         | Peak     | 27.0            | Pass    |
|           |         | 5725.0          | -49.95                | -48.97 | -46.42 | 3.94               | -42.48         | Average  | 27.0            | Pass    |
|           | 165     | 5850.0          | -37.93                | -39.95 | -35.81 | 3.94               | -31.87         | Peak     | 27.0            | Pass    |
|           |         | 5850.0          | -50.19                | -53.16 | -48.42 | 3.94               | -44.48         | Average  | 27.0            | Pass    |
|           |         | 5855.0          | -38.33                | -42.30 | -36.87 | 3.94               | -32.93         | Peak     | 15.6            | Pass    |
|           |         | 5855.0          | -51.53                | -54.14 | -49.63 | 3.94               | -45.69         | Average  | 15.6            | Pass    |
|           |         | 5875.0          | -39.96                | -41.65 | -37.71 | 3.94               | -33.77         | Peak     | 10              | Pass    |
|           |         | 5875.0          | -53.35                | -55.71 | -51.36 | 3.94               | -47.42         | Average  | 10              | Pass    |
|           |         | 5925.0          | -44.22                | -45.32 | -41.72 | 3.94               | -37.78         | Peak     | -27.0           | Pass    |
|           |         | 5925.0          | -54.92                | -56.86 | -52.77 | 3.94               | -48.83         | Average  | -27.0           | Pass    |
| 11AC40    | 151     | 5650.0          | -44.98                | -45.11 | -42.03 | 3.94               | -38.09         | Peak     | -27.0           | Pass    |
|           |         | 5650.0          | -57.17                | -57.65 | -54.39 | 3.94               | -50.45         | Average  | -27.0           | Pass    |
|           |         | 5700.0          | -38.66                | -41.70 | -36.91 | 3.94               | -32.97         | Peak     | 10              | Pass    |
|           |         | 5700.0          | -52.48                | -53.85 | -50.10 | 3.94               | -46.16         | Average  | 10              | Pass    |
|           |         | 5720.0          | -29.81                | -33.81 | -28.35 | 3.94               | -24.41         | Peak     | 15.6            | Pass    |
|           |         | 5720.0          | -44.33                | -47.38 | -42.58 | 3.94               | -38.64         | Average  | 15.6            | Pass    |

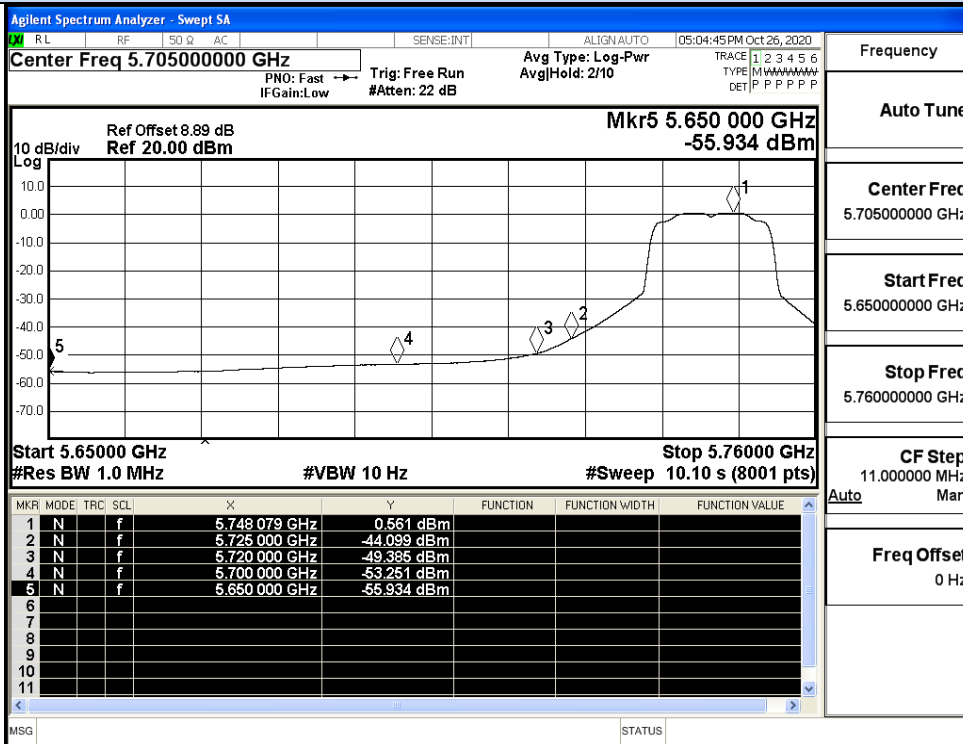
|        |     |        |        |        |        |      |        |         |       |      |
|--------|-----|--------|--------|--------|--------|------|--------|---------|-------|------|
|        |     | 5725.0 | -30.16 | -33.19 | -28.41 | 3.94 | -24.47 | Peak    | 27.0  | Pass |
|        |     | 5725.0 | -43.11 | -46.13 | -41.35 | 3.94 | -37.41 | Average | 27.0  | Pass |
|        | 159 | 5850.0 | -42.10 | -42.75 | -39.40 | 3.94 | -35.46 | Peak    | 27.0  | Pass |
|        |     | 5850.0 | -53.37 | -54.28 | -50.79 | 3.94 | -46.85 | Average | 27.0  | Pass |
|        |     | 5855.0 | -42.76 | -42.97 | -39.85 | 3.94 | -35.91 | Peak    | 15.6  | Pass |
|        |     | 5855.0 | -53.77 | -54.62 | -51.16 | 3.94 | -47.22 | Average | 15.6  | Pass |
|        |     | 5875.0 | -43.74 | -44.47 | -41.08 | 3.94 | -37.14 | Peak    | 10    | Pass |
|        |     | 5875.0 | -54.96 | -55.63 | -52.27 | 3.94 | -48.33 | Average | 10    | Pass |
|        |     | 5925.0 | -44.78 | -45.98 | -42.33 | 3.94 | -38.39 | Peak    | -27.0 | Pass |
|        |     | 5925.0 | -55.83 | -56.93 | -53.33 | 3.94 | -49.39 | Average | -27.0 | Pass |
| 11AC80 | 155 | 5725.0 | -35.47 | -33.88 | -31.59 | 3.94 | -27.65 | Peak    | 27.0  | Pass |
|        |     | 5720.0 | -37.20 | -34.66 | -32.74 | 3.94 | -28.8  | Peak    | 15.6  | Pass |
|        |     | 5700.0 | -35.24 | -36.35 | -32.75 | 3.94 | -28.81 | Peak    | 10    | Pass |
|        |     | 5650.0 | -47.00 | -48.20 | -44.55 | 3.94 | -40.61 | Peak    | -27.0 | Pass |
|        |     | 5725.0 | -48.05 | -54.07 | -47.08 | 3.94 | -43.14 | Average | 27.0  | Pass |
|        |     | 5720.0 | -46.94 | -54.28 | -46.20 | 3.94 | -42.26 | Average | 15.6  | Pass |
|        |     | 5700.0 | -47.48 | -55.46 | -46.84 | 3.94 | -42.9  | Average | 10    | Pass |
|        |     | 5650.0 | -57.27 | -58.26 | -54.73 | 3.94 | -50.79 | Average | -27.0 | Pass |
|        |     | 5850.0 | -36.11 | -36.92 | -33.49 | 3.94 | -29.55 | Peak    | 27.0  | Pass |
|        |     | 5855.0 | -37.90 | -38.81 | -35.32 | 3.94 | -31.38 | Peak    | 15.6  | Pass |
|        |     | 5875.0 | -41.99 | -44.69 | -40.12 | 3.94 | -36.18 | Peak    | 10    | Pass |
|        |     | 5925.0 | -45.63 | -47.36 | -43.40 | 3.94 | -39.46 | Peak    | -27.0 | Pass |
|        |     | 5850.0 | -50.03 | -50.97 | -47.46 | 3.94 | -43.52 | Average | 27.0  | Pass |
|        |     | 5855.0 | -51.49 | -52.36 | -48.89 | 3.94 | -44.95 | Average | 15.6  | Pass |
|        |     | 5875.0 | -54.63 | -55.68 | -52.11 | 3.94 | -48.17 | Average | 10    | Pass |
|        |     | 5925.0 | -56.50 | -57.65 | -54.03 | 3.94 | -50.09 | Average | -27.0 | Pass |

ANT 0

Undesirable Emissions Measurement

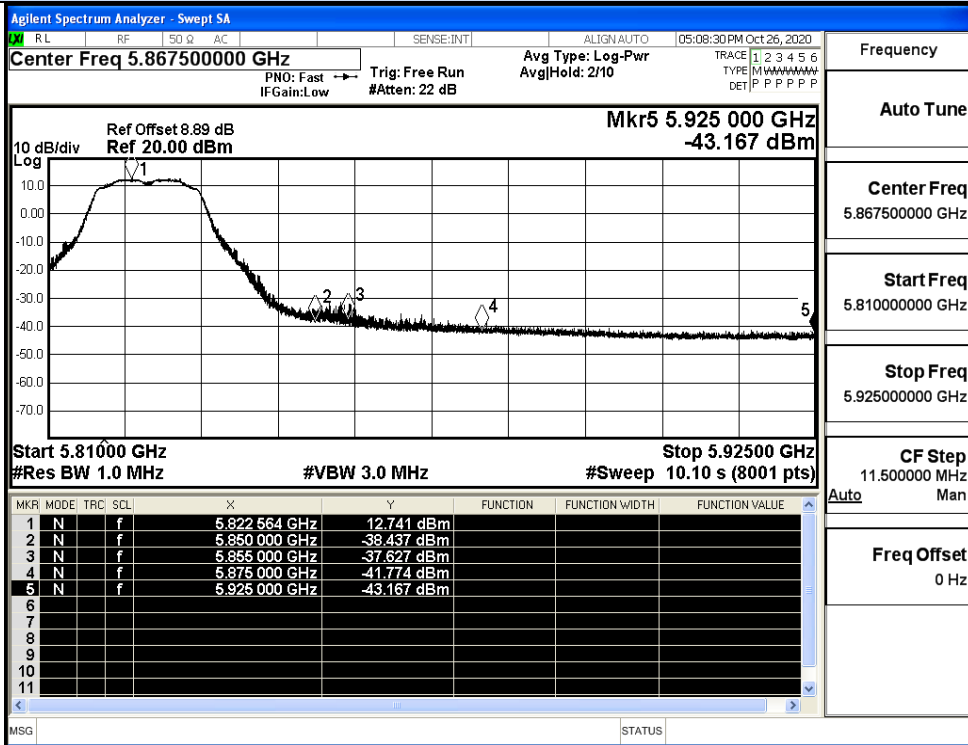


IEEE 802.11a / Channel 149 / 5745MHz / Peak

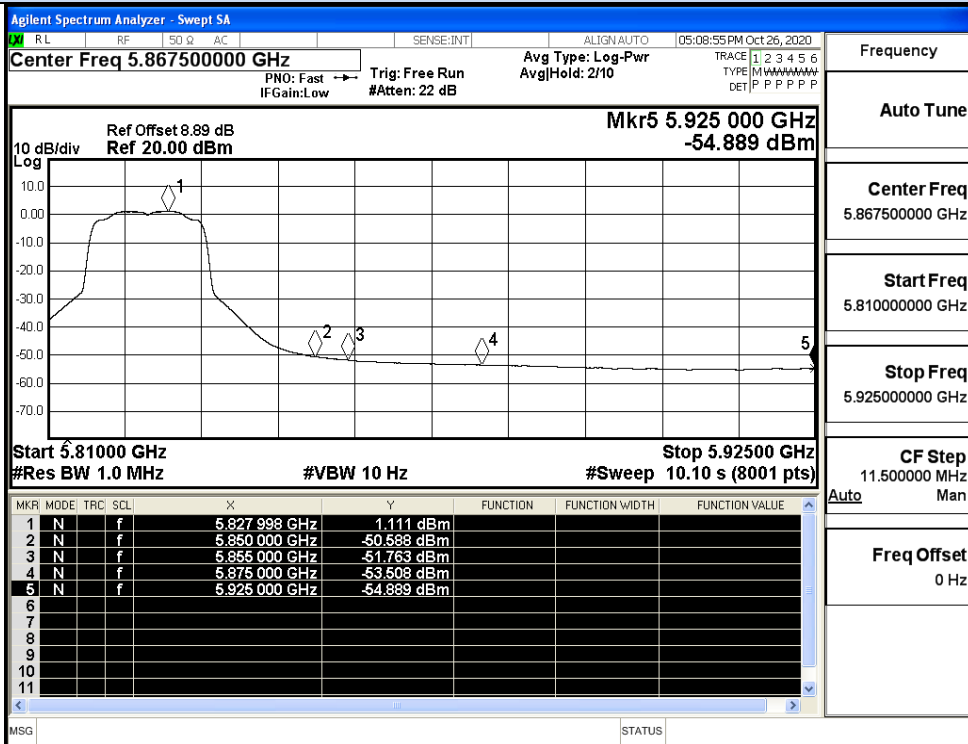


IEEE 802.11a / Channel 148 / 5745MHz / Average

Undesirable Emissions Measurement



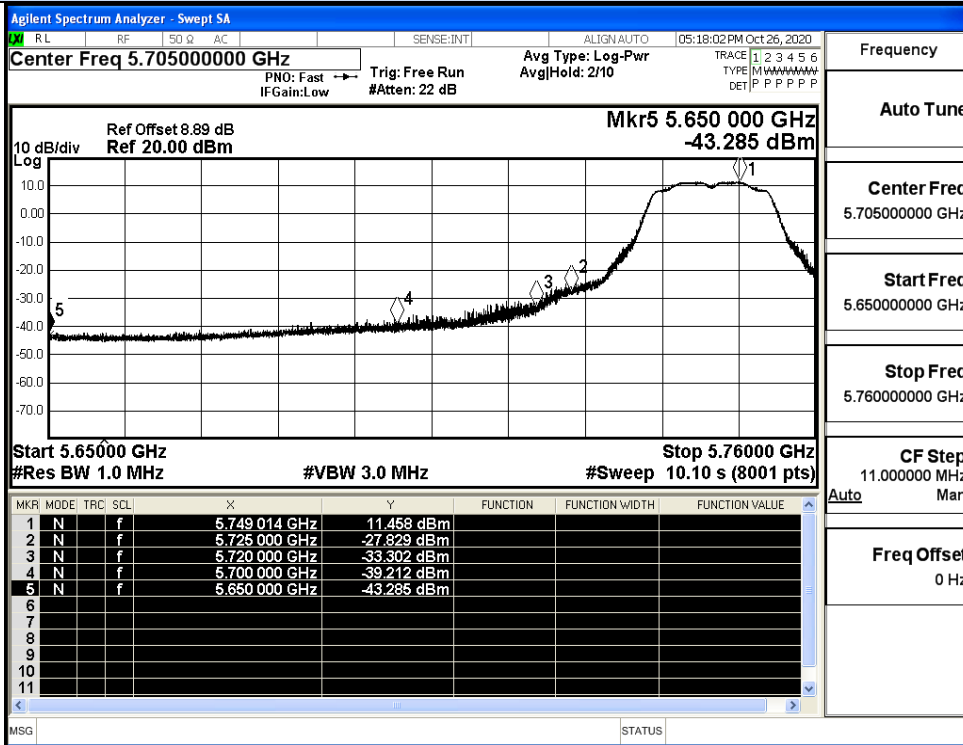
IEEE 802.11a / Channel 165 / 5825MHz / Peak



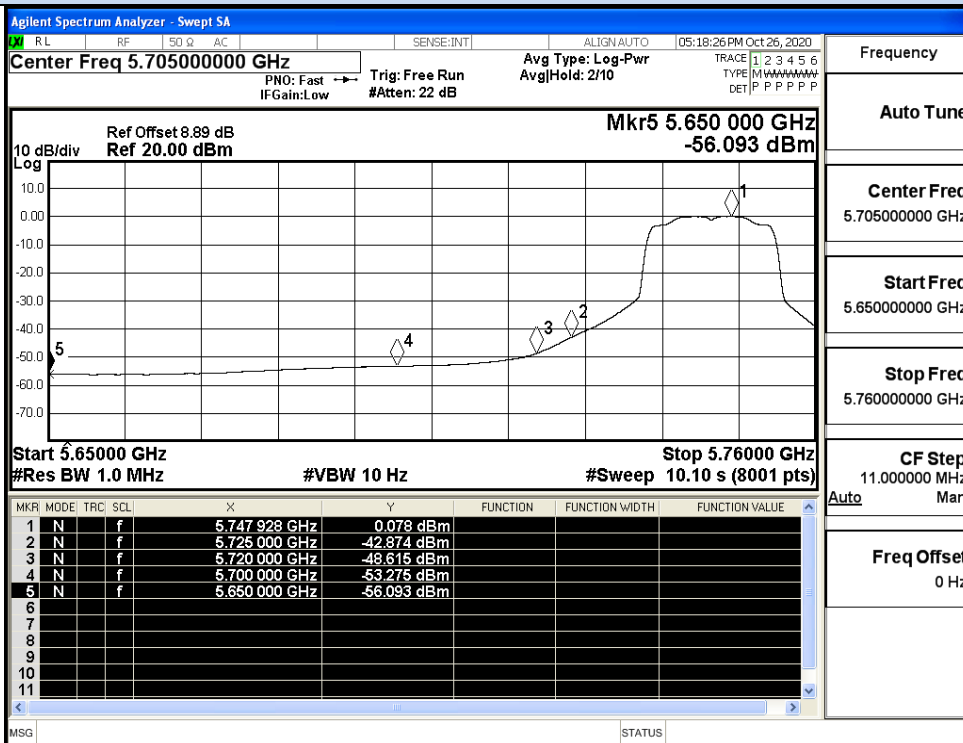
IEEE 802.11a / Channel 165 / 5825MHz / Average



Undesirable Emissions Measurement

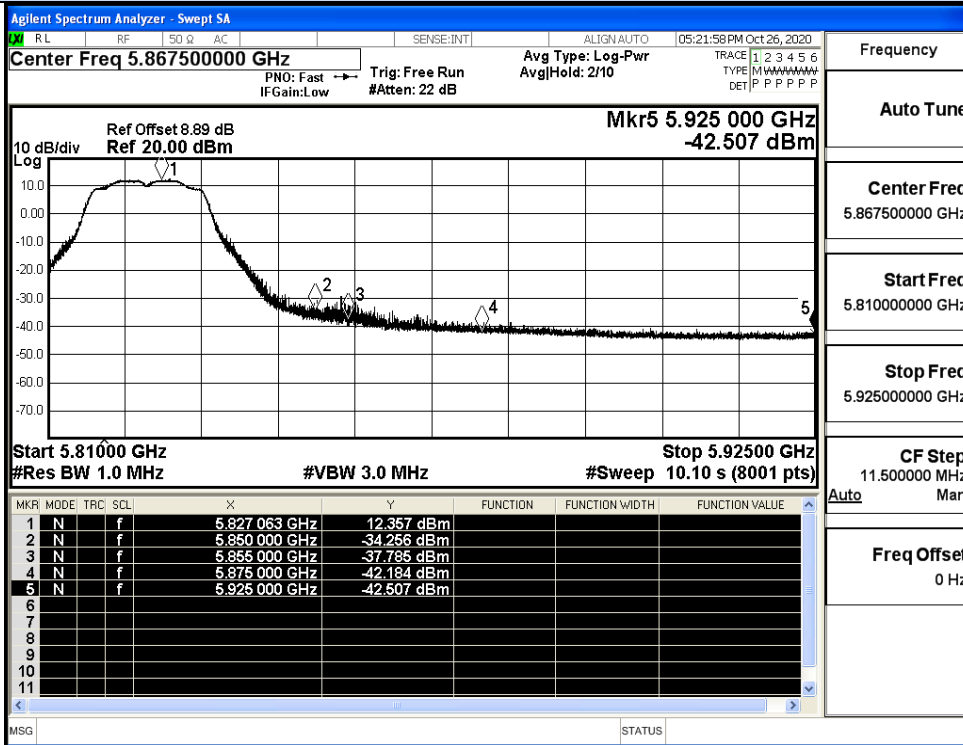


IEEE 802.11n20 / Channel 149 / 5745MHz / Peak

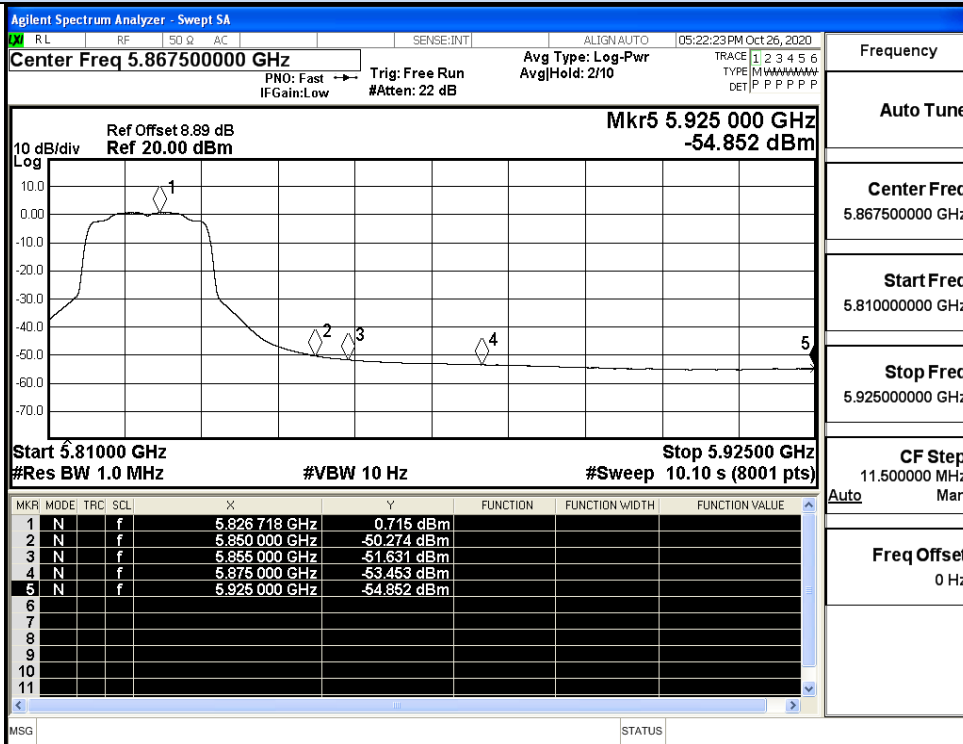


IEEE 802.11n20 / Channel 149 / 5745MHz / Average

Undesirable Emissions Measurement

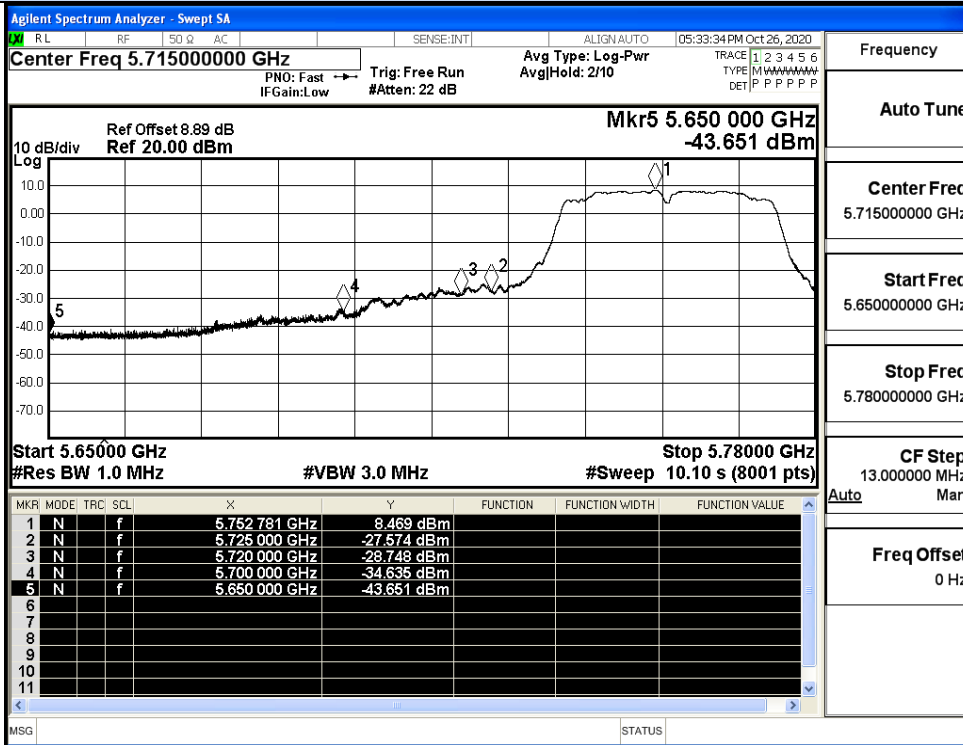


IEEE 802.11n20 / Channel 165 / 5825MHz / Peak

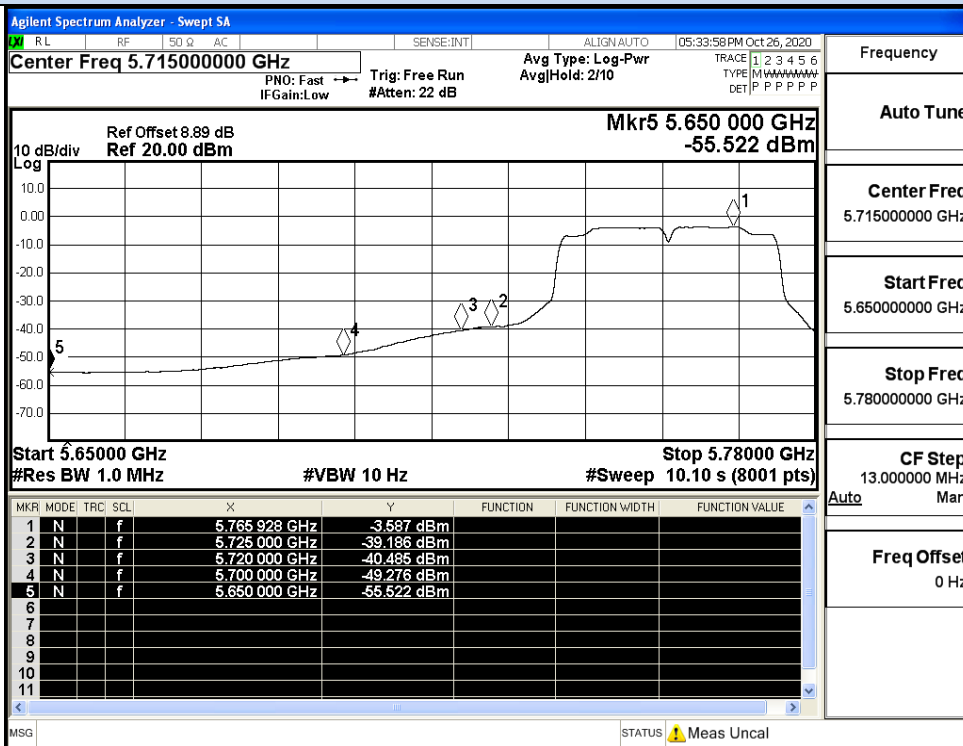


IEEE 802.11n20 / Channel 165 / 5825MHz / Average

Undesirable Emissions Measurement

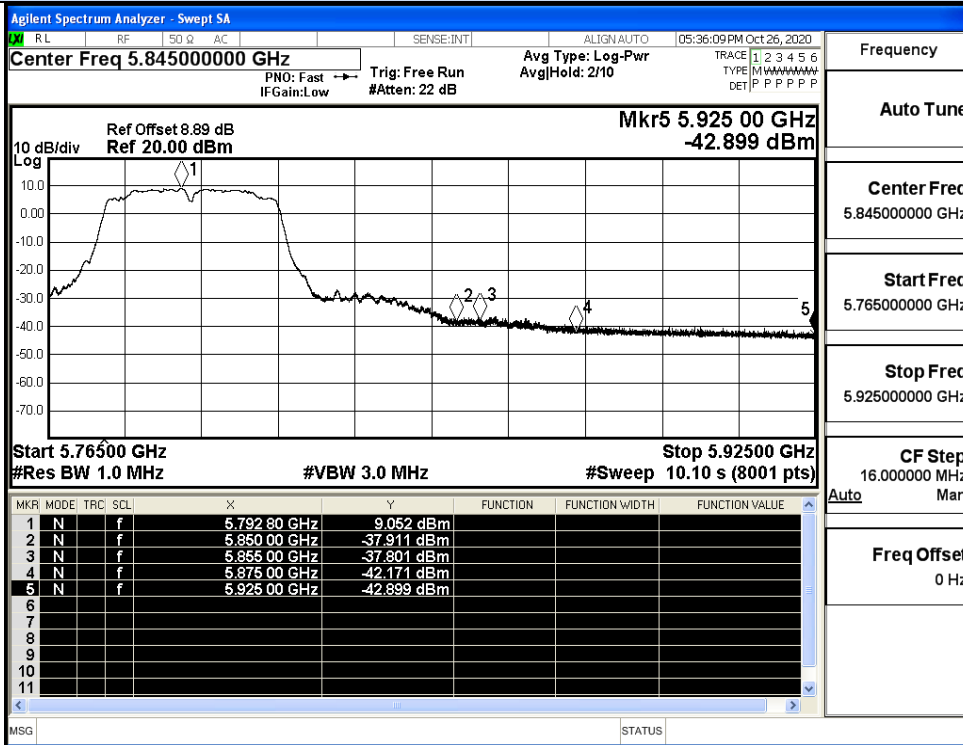


IEEE 802.11n40 / Channel 151 / 5755MHz / Peak

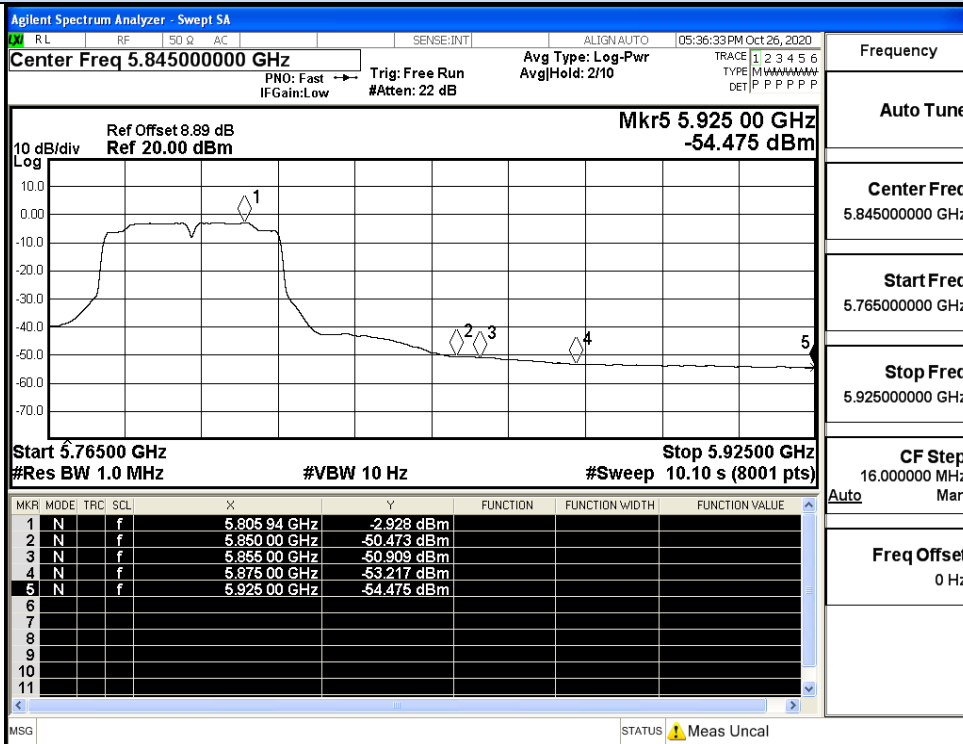


IEEE 802.11n40 / Channel 151 / 5755MHz / Average

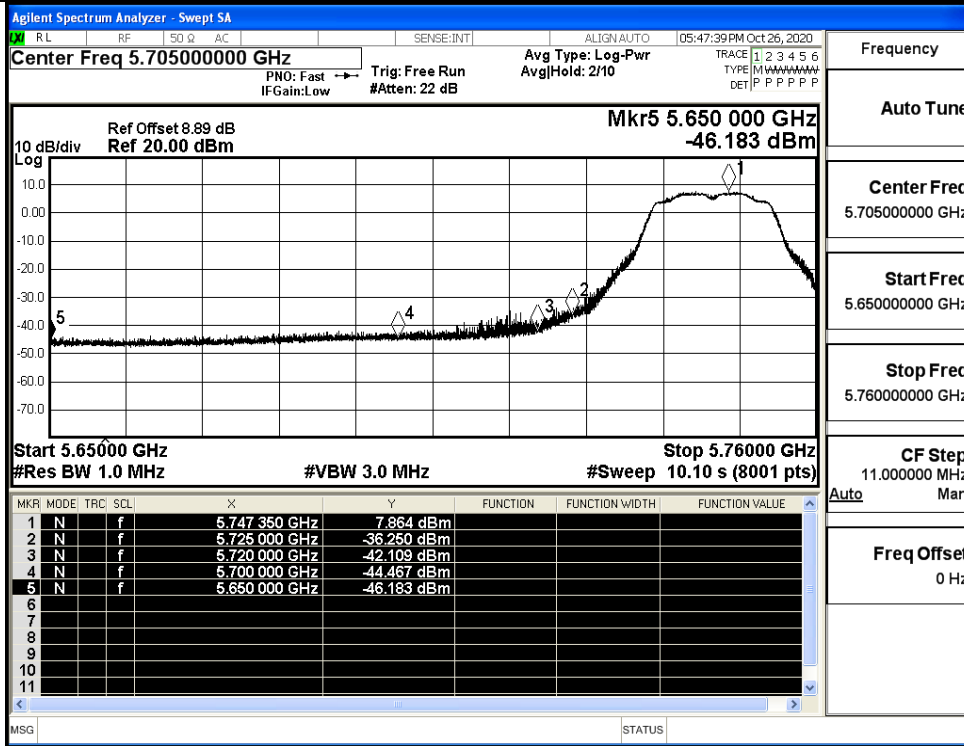
Undesirable Emissions Measurement



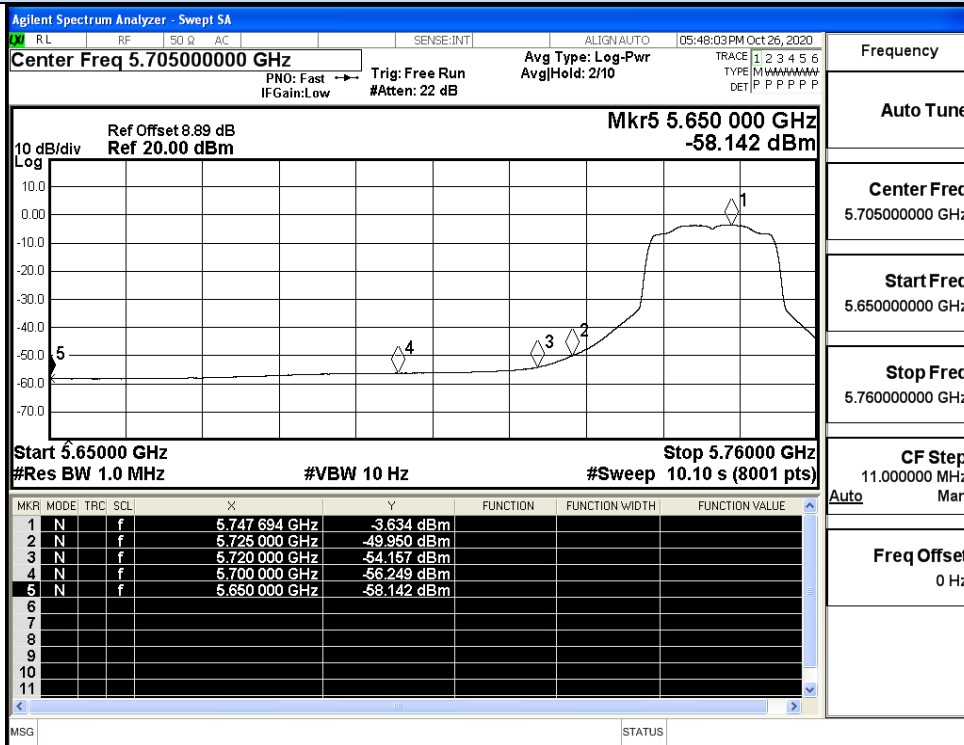
IEEE 802.11n40 / Channel 159 / 5795MHz / Peak



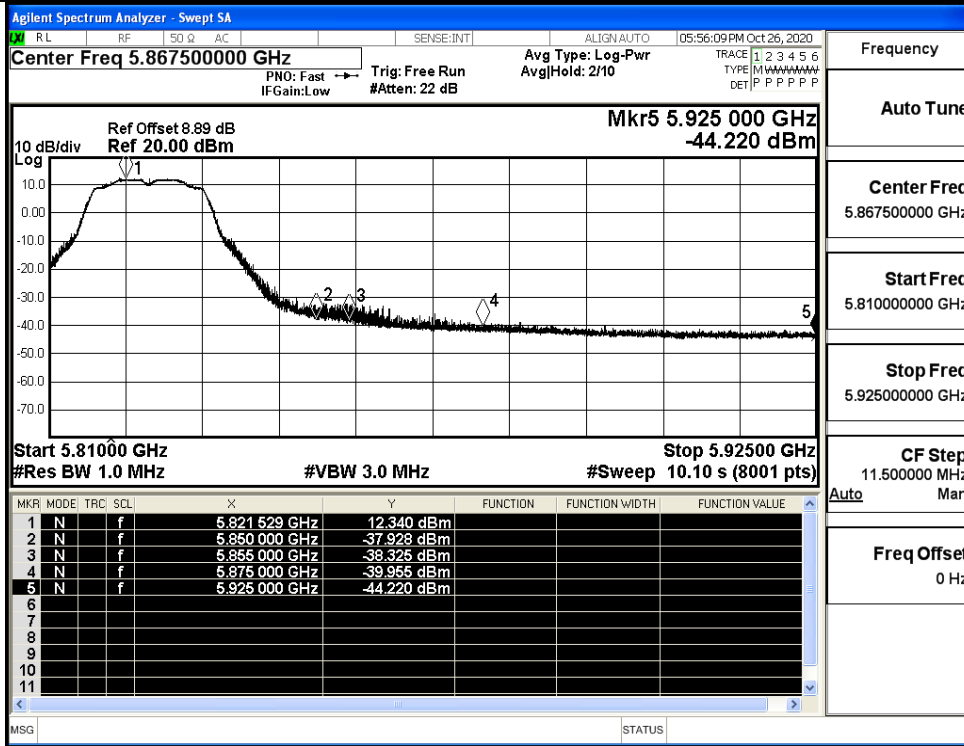
IEEE 802.11n40 / Channel 159 / 5795MHz / Average



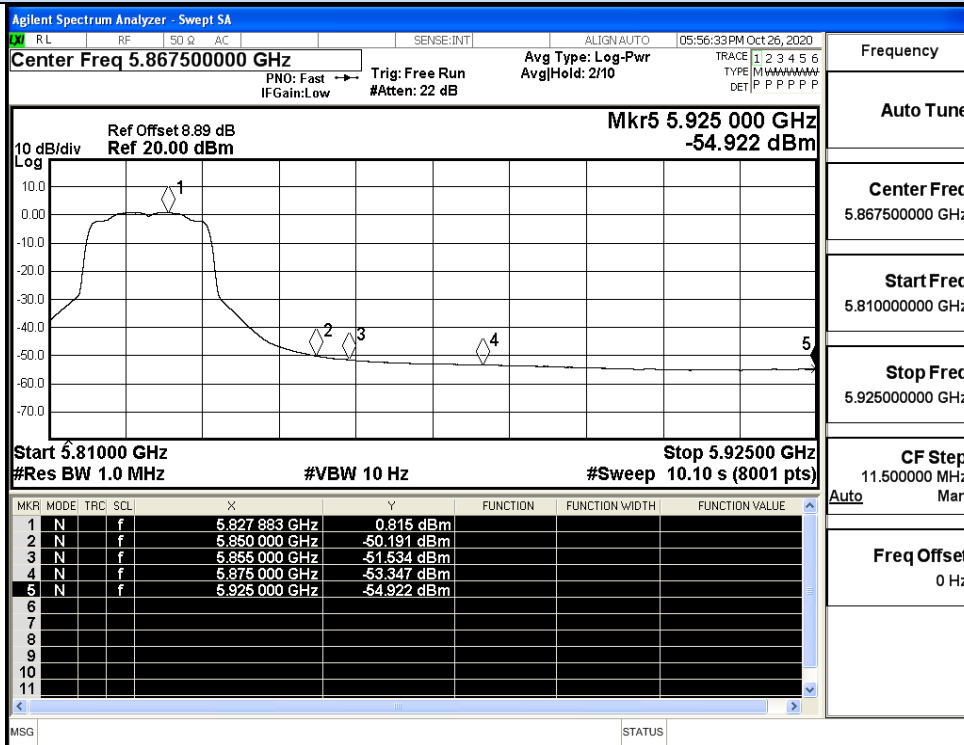
IEEE 802.11ac20 / Channel 149 / 5745MHz / Peak



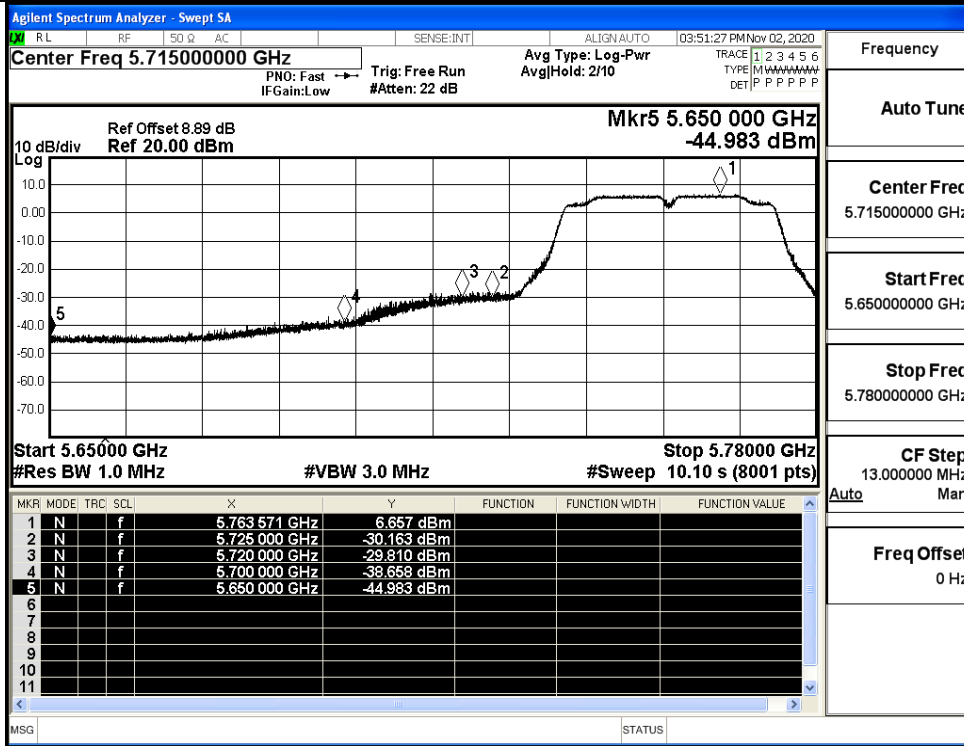
IEEE 802.11ac20 / Channel 149 / 5745MHz / Average



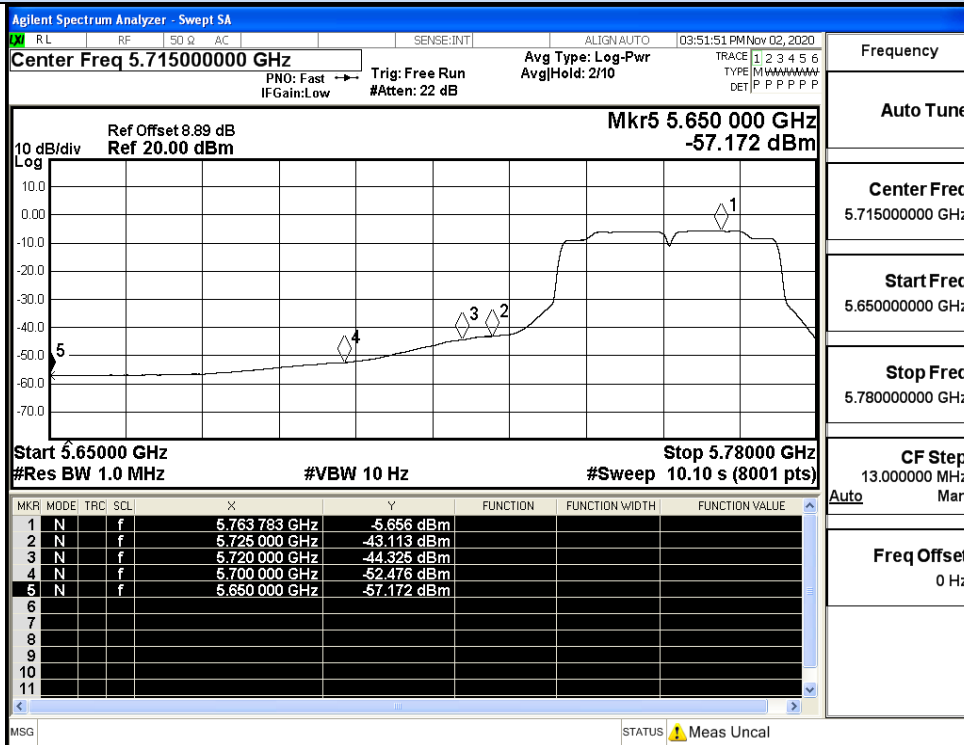
IEEE 802.11ac20 / Channel 165 / 5825MHz / Peak



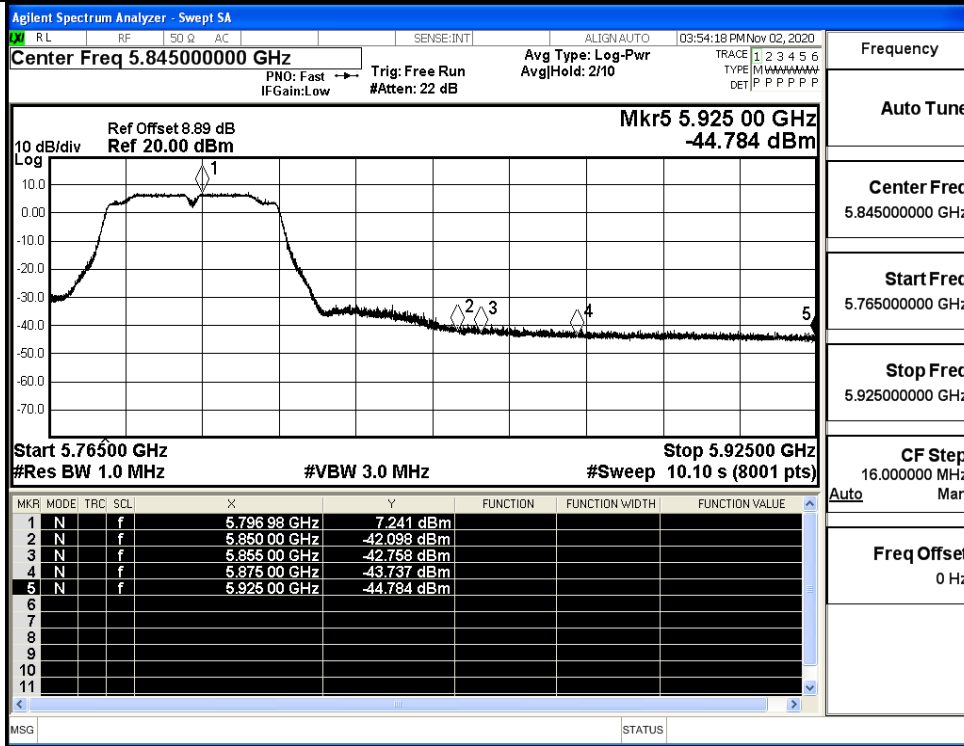
IEEE 802.11ac20 / Channel 165 / 5825MHz / Average



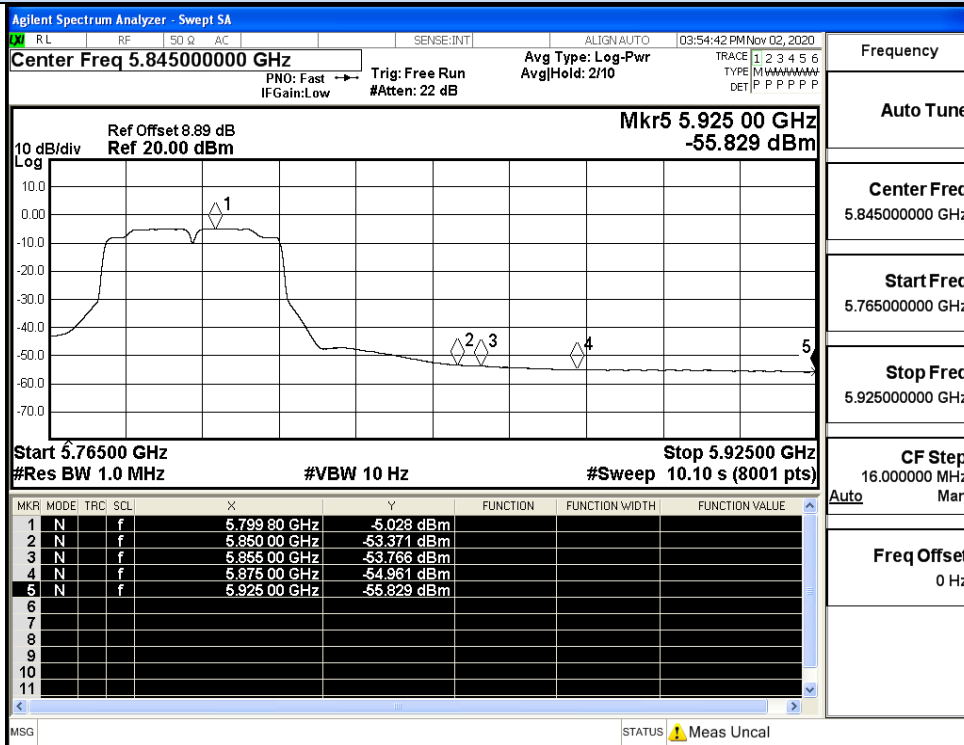
IEEE 802.11ac40 / Channel 151 / 5755MHz / Peak



IEEE 802.11ac40 / Channel 151 / 5755MHz / Average

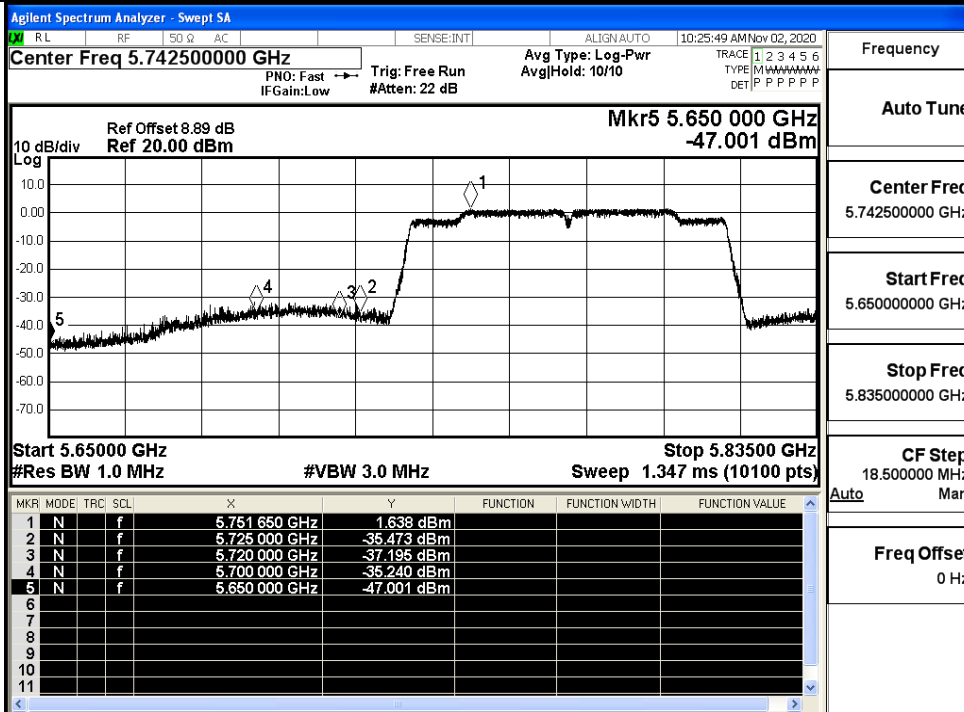


IEEE 802.11ac40 / Channel 159 / 5795MHz / Peak



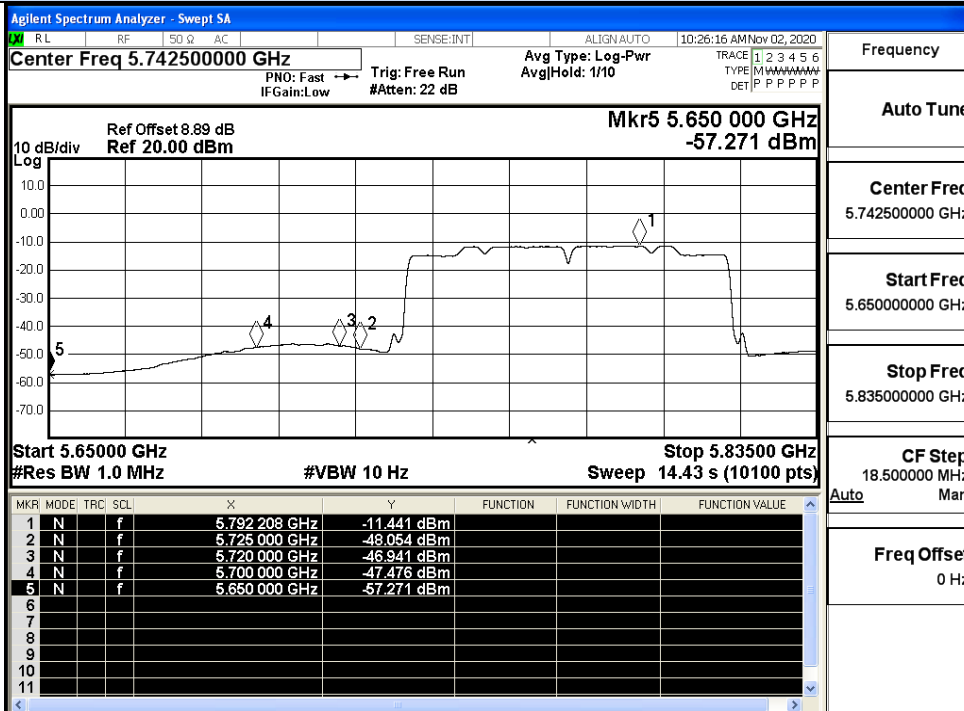
IEEE 802.11ac40 / Channel 159 / 5795MHz / Average





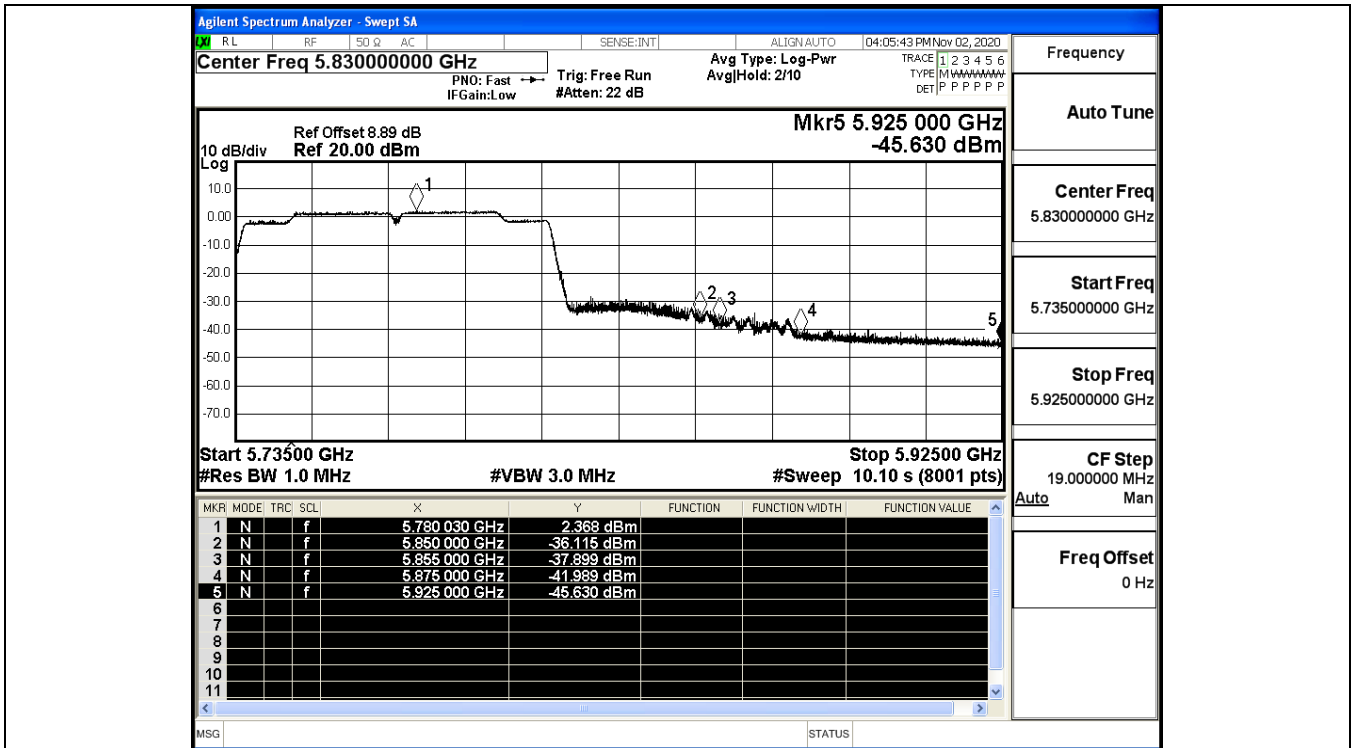
|             |                 |
|-------------|-----------------|
| Frequency   |                 |
| Auto Tune   |                 |
| Center Freq | 5.742500000 GHz |
| Start Freq  | 5.650000000 GHz |
| Stop Freq   | 5.835000000 GHz |
| CF Step     | 18.500000 MHz   |
| Auto        | Man             |
| Freq Offset | 0 Hz            |

IEEE 802.11ac80 / Channel 155 / 5775MHz / Peak

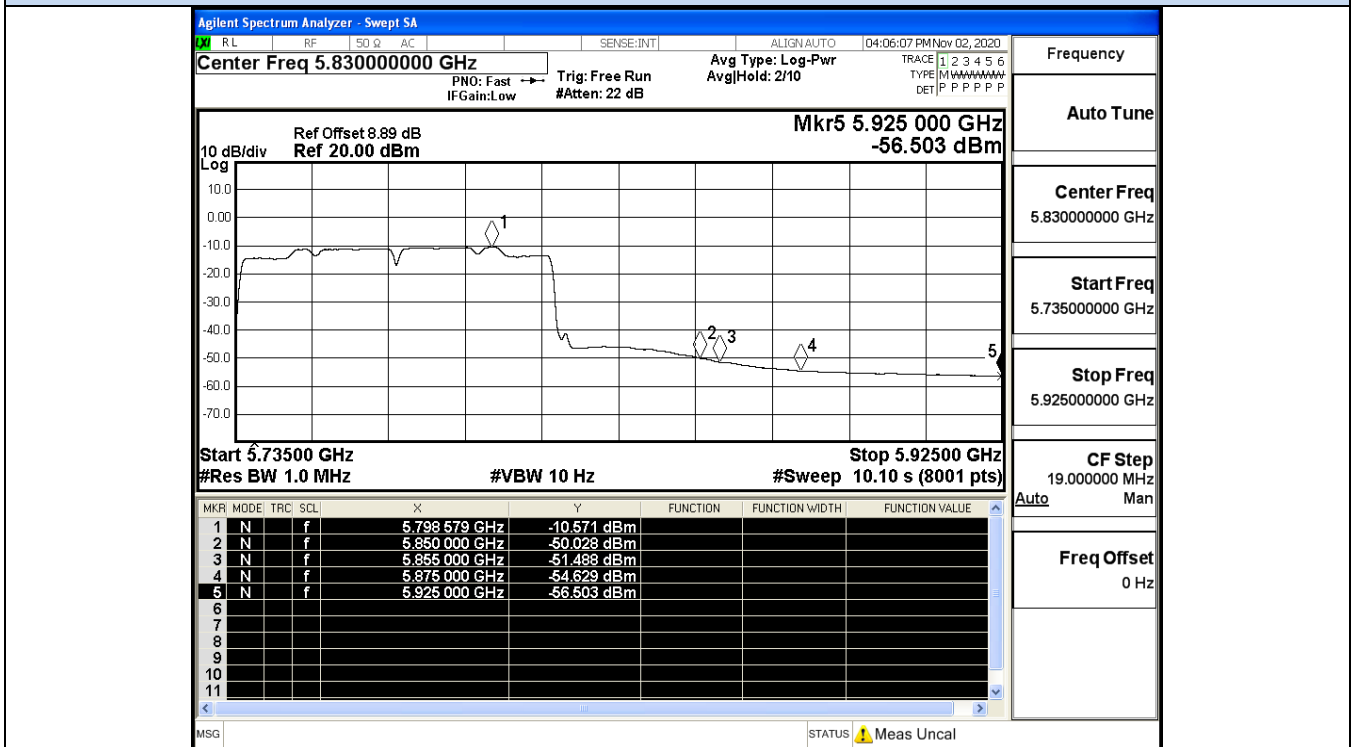


|             |                 |
|-------------|-----------------|
| Frequency   |                 |
| Auto Tune   |                 |
| Center Freq | 5.742500000 GHz |
| Start Freq  | 5.650000000 GHz |
| Stop Freq   | 5.835000000 GHz |
| CF Step     | 18.500000 MHz   |
| Auto        | Man             |
| Freq Offset | 0 Hz            |

IEEE 802.11ac80 / Channel 155 / 5775MHz / Average



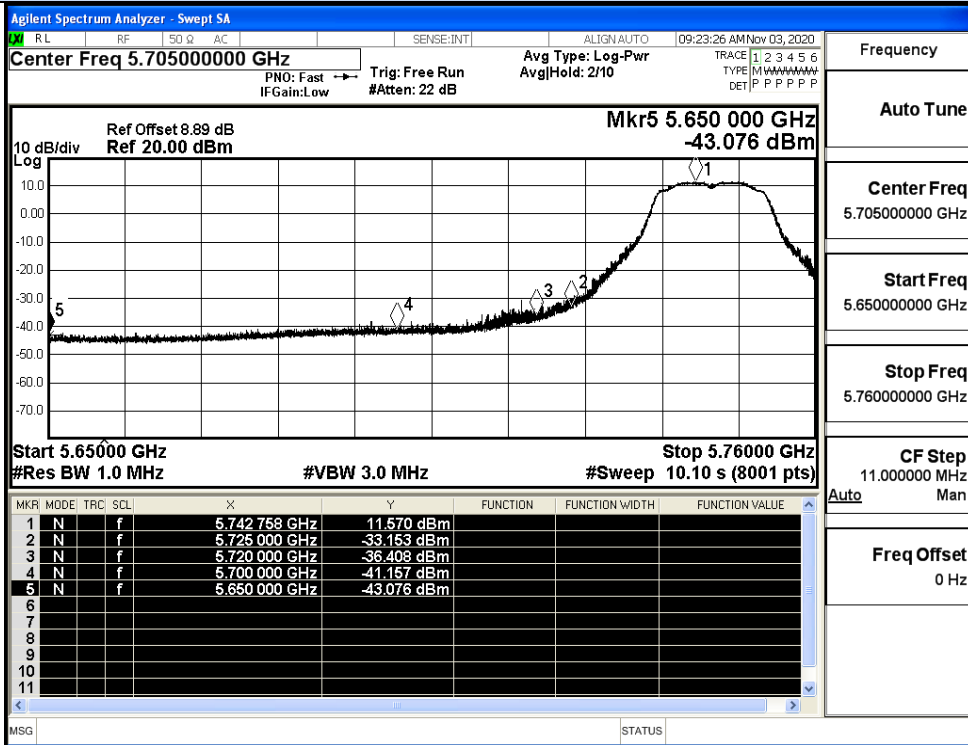
IEEE 802.11ac80 / Channel 155 / 5775MHz / Peak



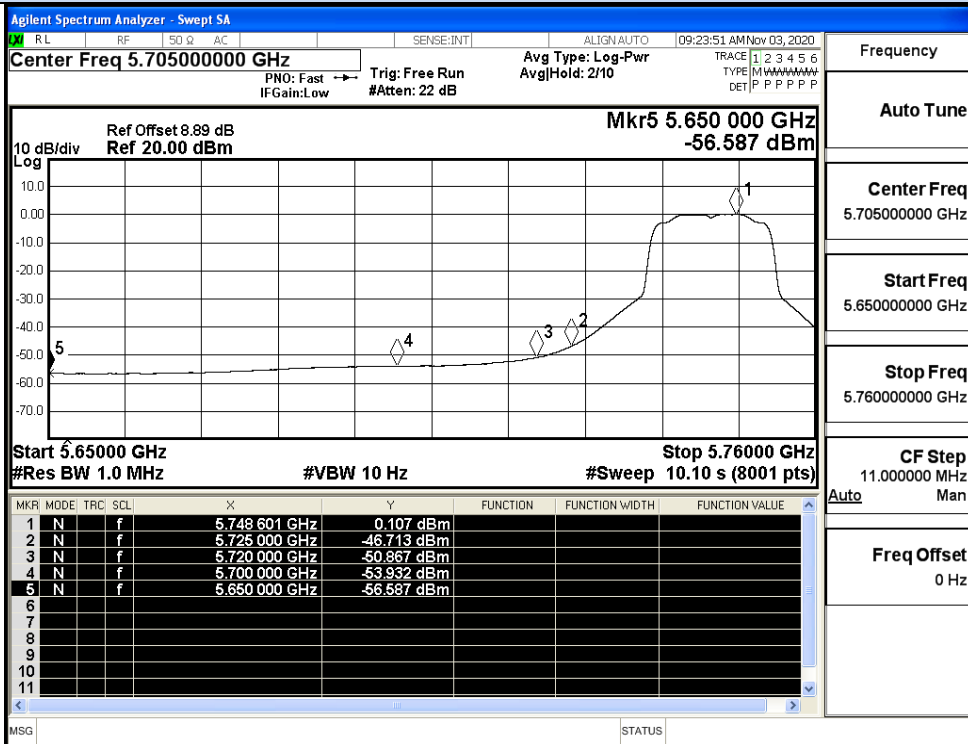
IEEE 802.11ac80 / Channel 155 / 5775MHz / Average

ANT 1

Undesirable Emissions Measurement

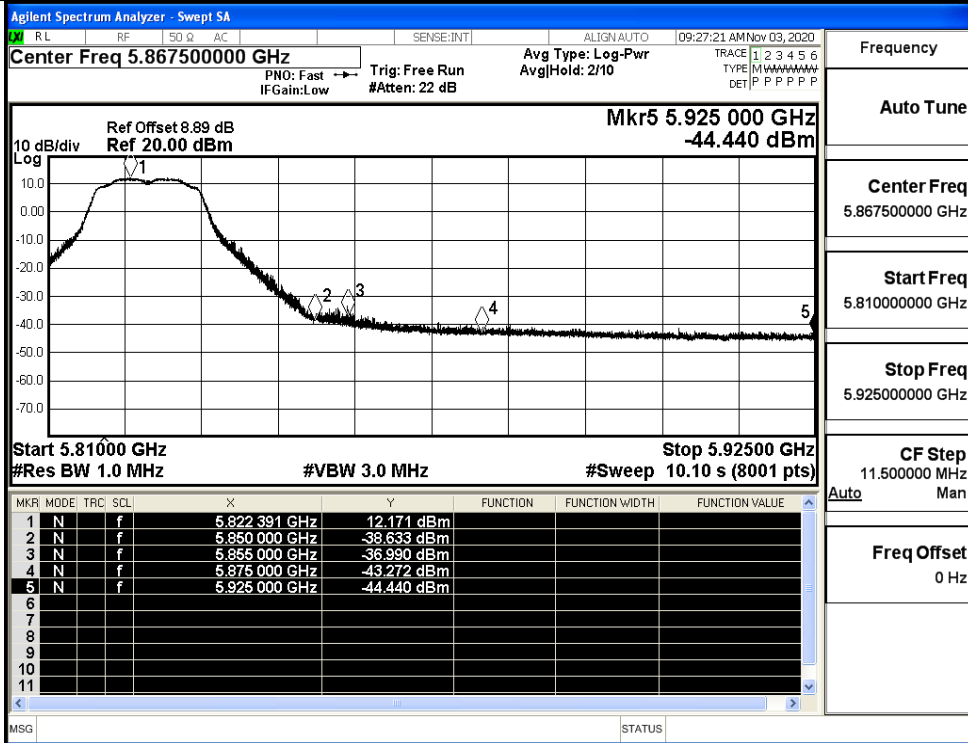


IEEE 802.11a / Channel 149 / 5745MHz / Peak

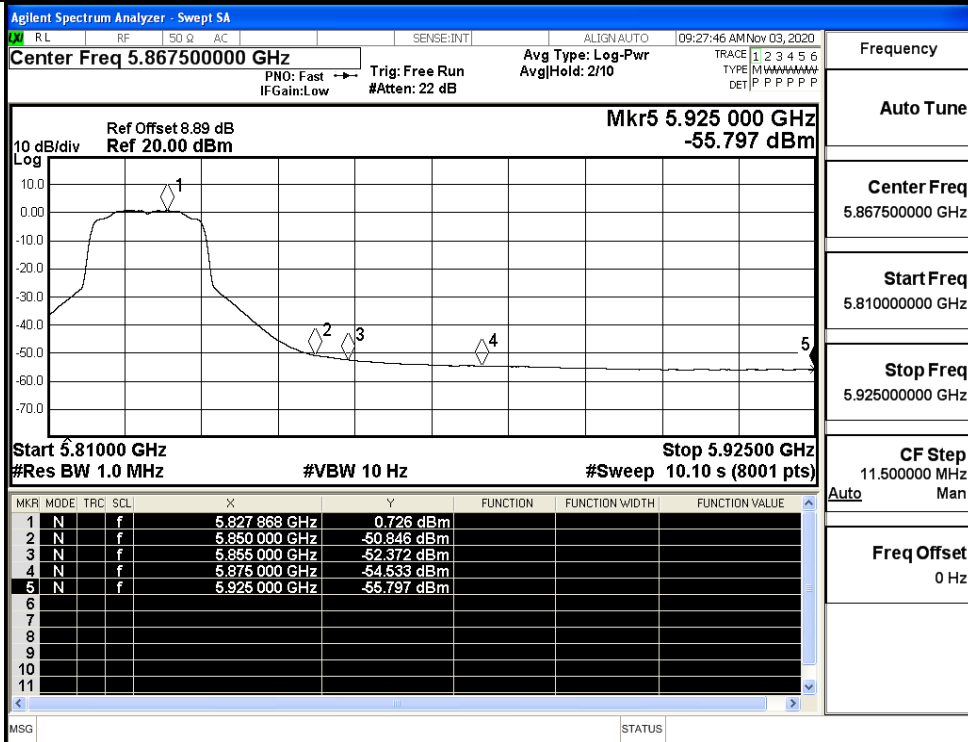


IEEE 802.11a / Channel 148 / 5745MHz / Average

Undesirable Emissions Measurement

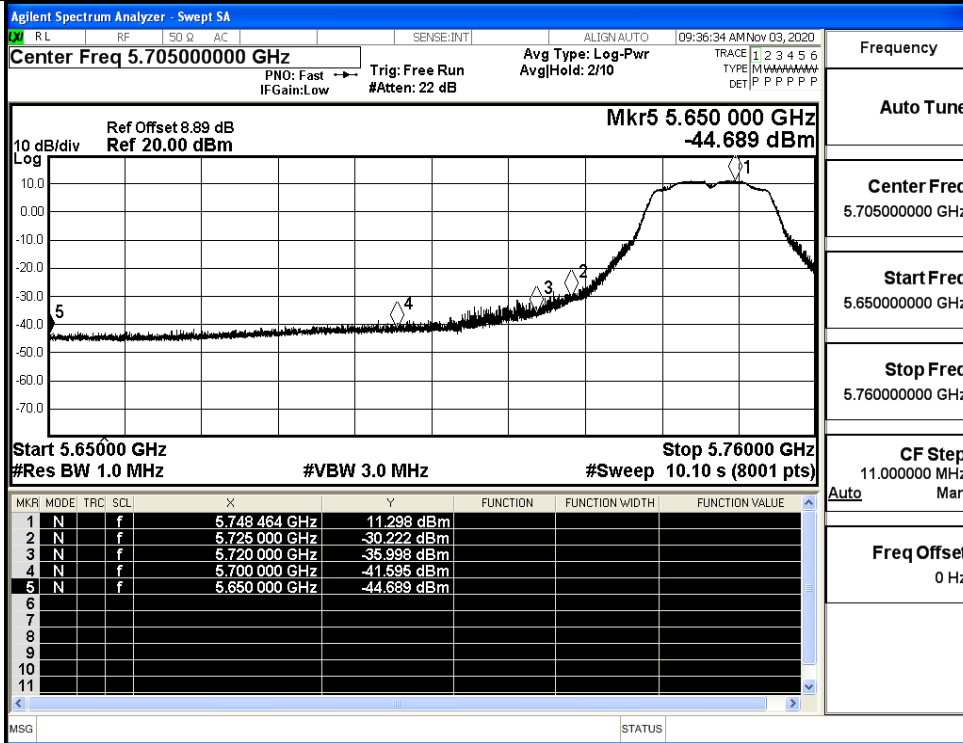


IEEE 802.11a / Channel 165 / 5825MHz / Peak

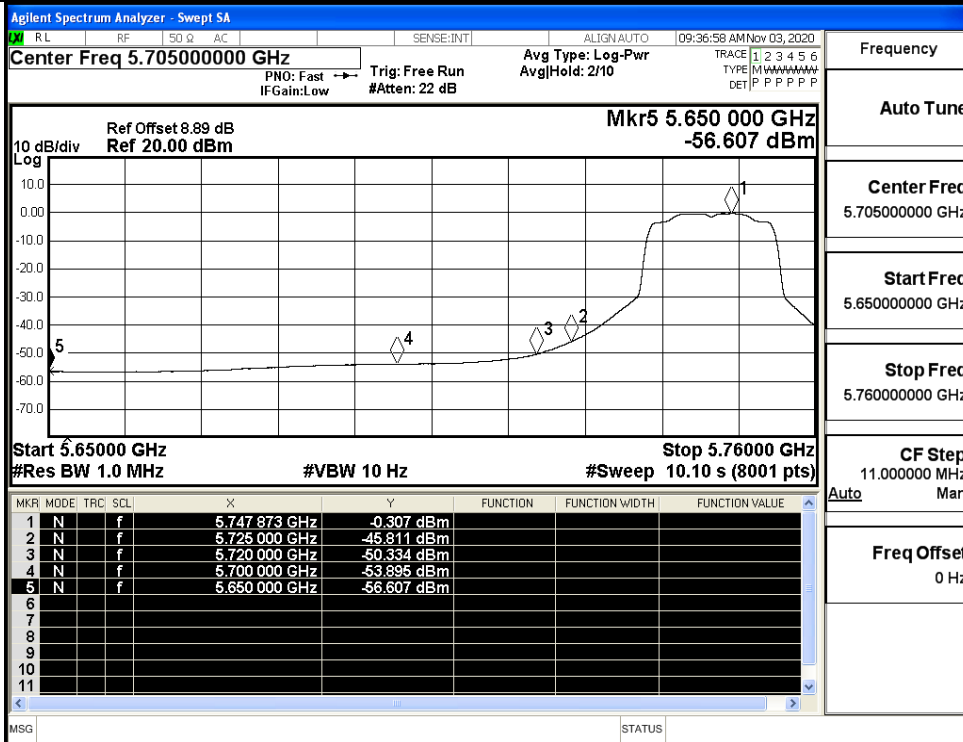


IEEE 802.11a / Channel 165 / 5825MHz / Average

Undesirable Emissions Measurement

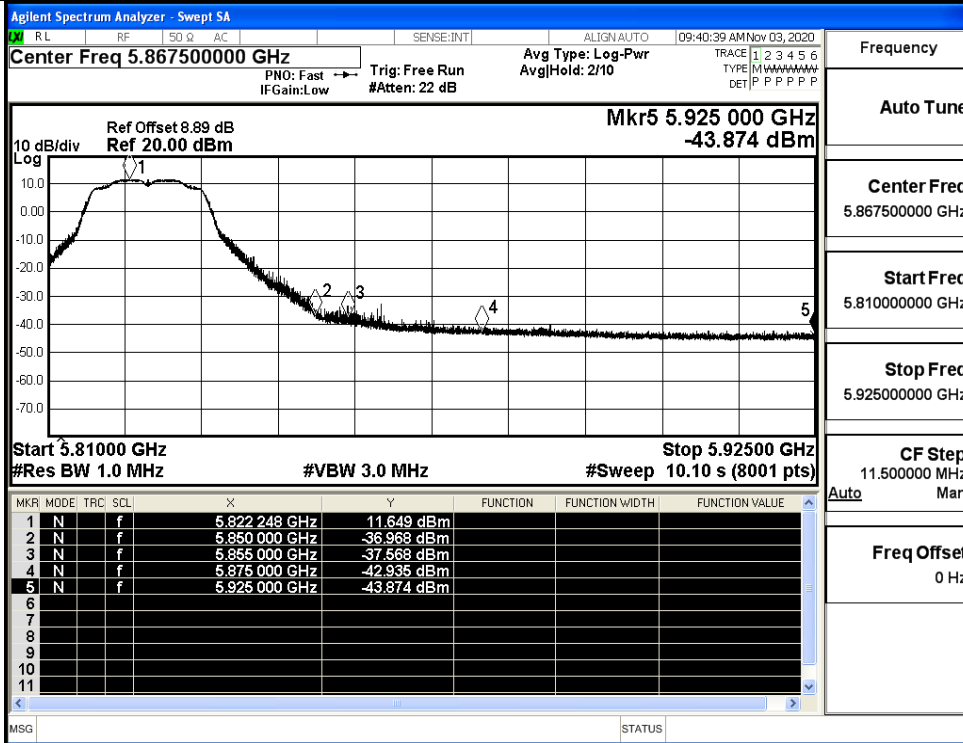


IEEE 802.11n20 / Channel 149 / 5745MHz / Peak

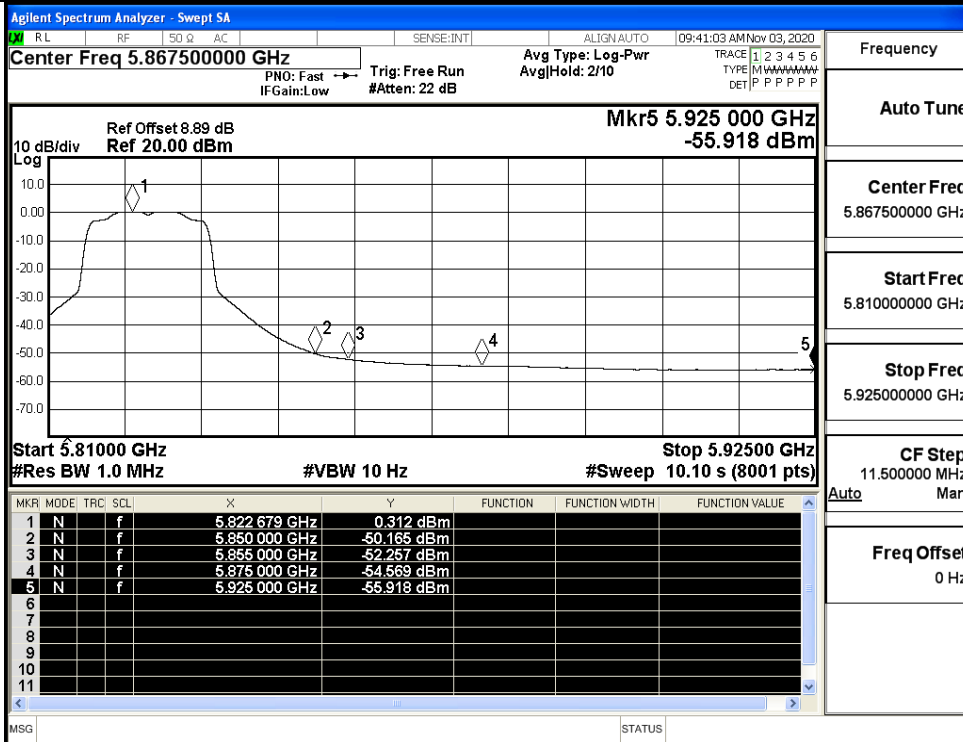


IEEE 802.11n20 / Channel 149 / 5745MHz / Average

Undesirable Emissions Measurement

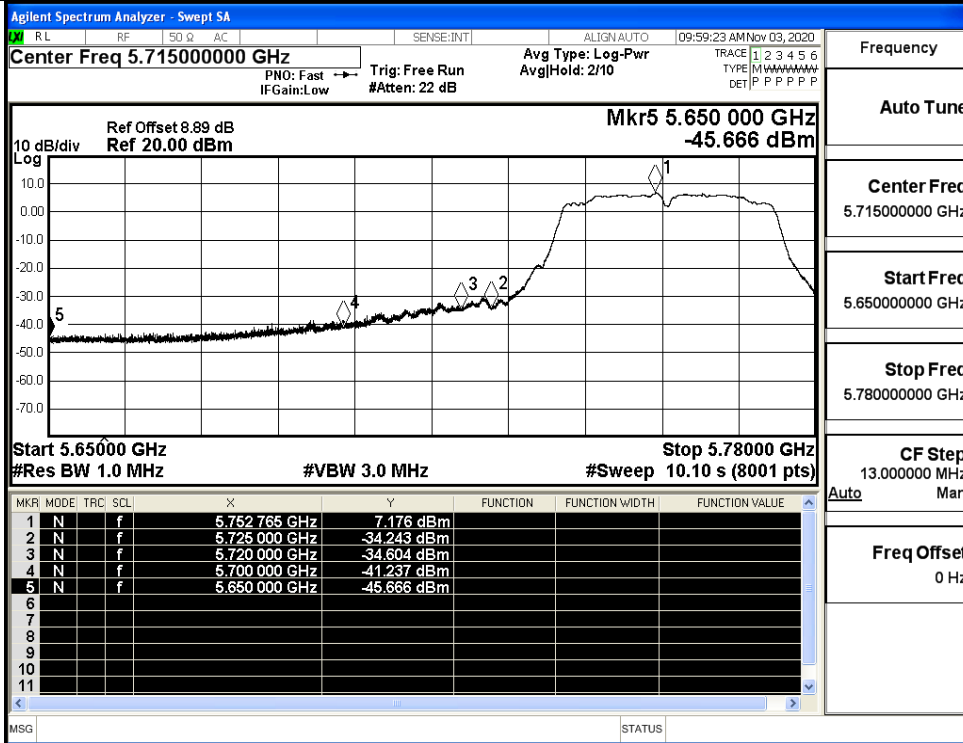


IEEE 802.11n20 / Channel 165 / 5825MHz / Peak

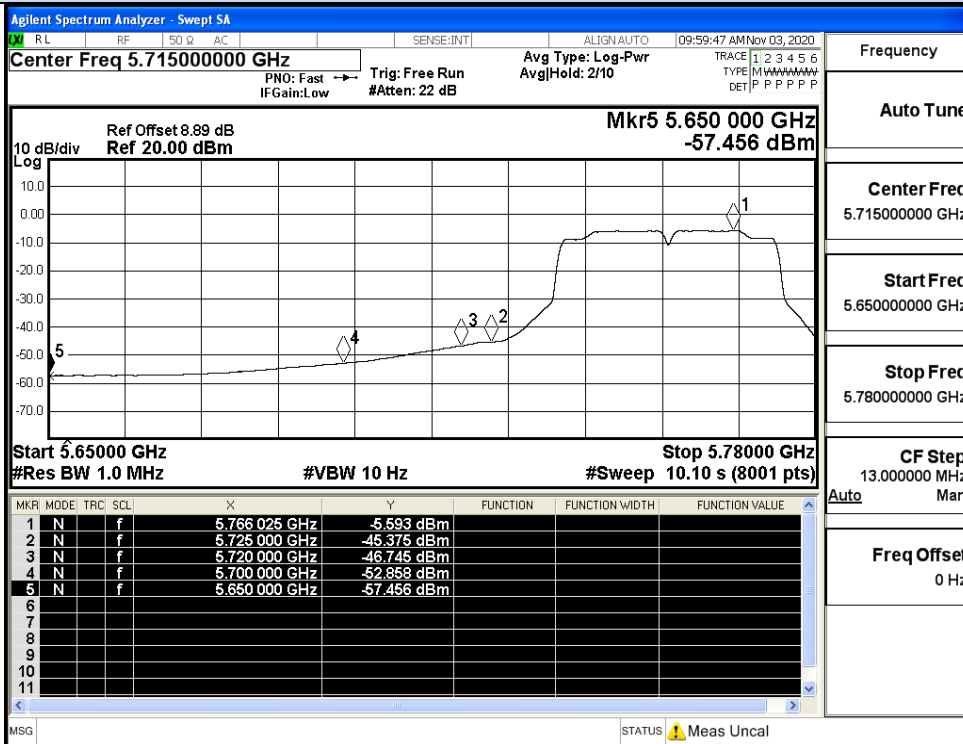


IEEE 802.11n20 / Channel 165 / 5825MHz / Average

Undesirable Emissions Measurement

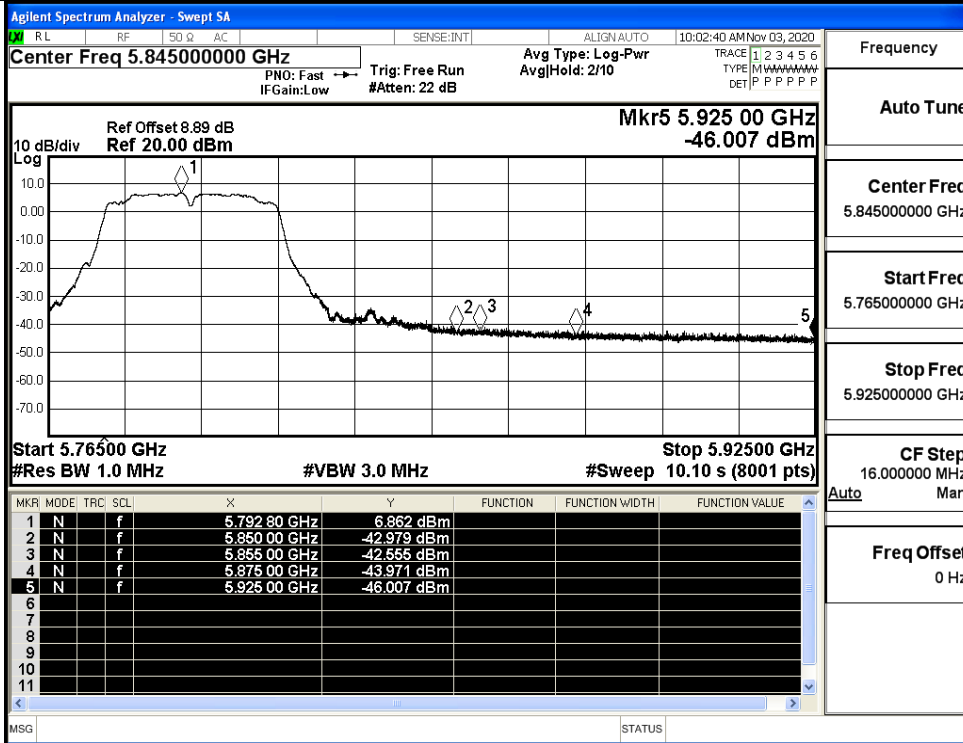


IEEE 802.11n40 / Channel 151 / 5755MHz / Peak

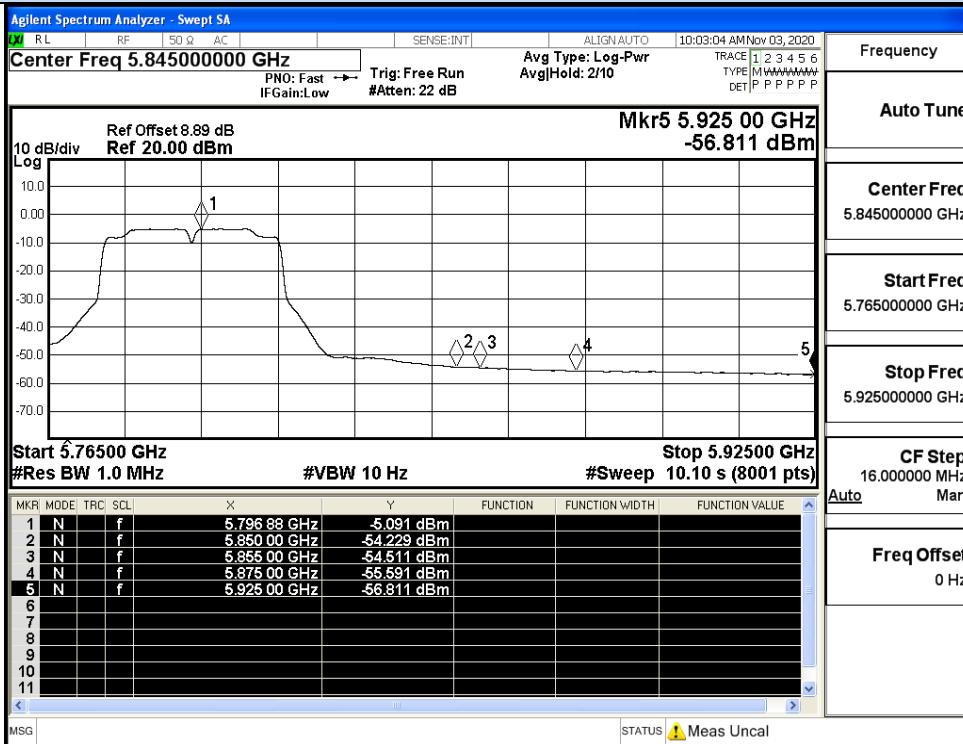


IEEE 802.11n40 / Channel 151 / 5755MHz / Average

Undesirable Emissions Measurement

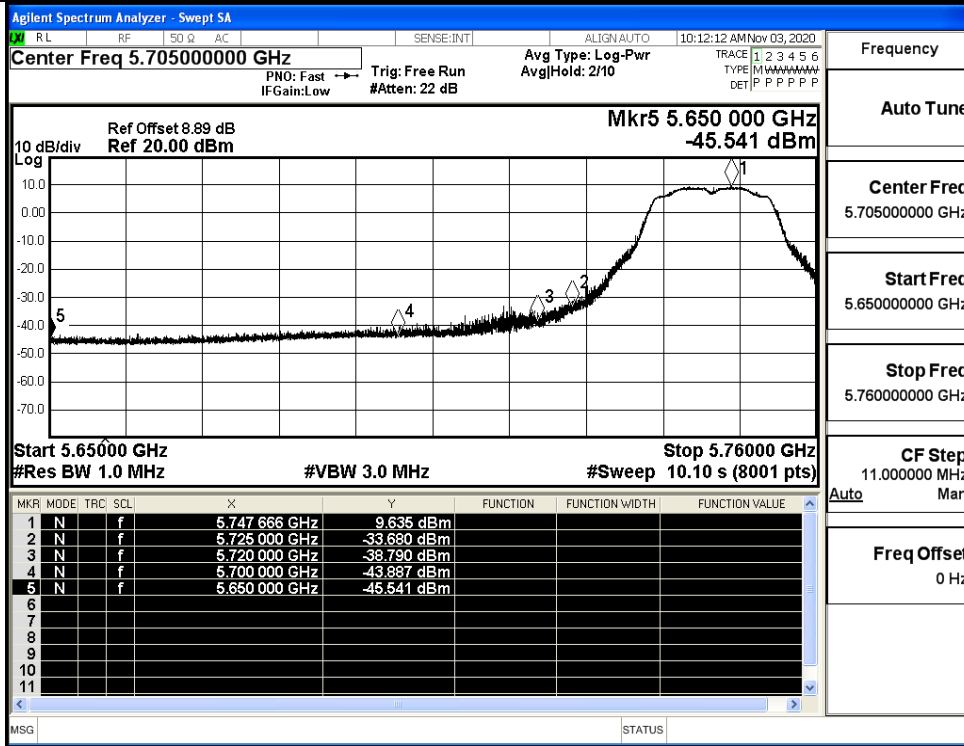


IEEE 802.11n40 / Channel 159 / 5795MHz / Peak

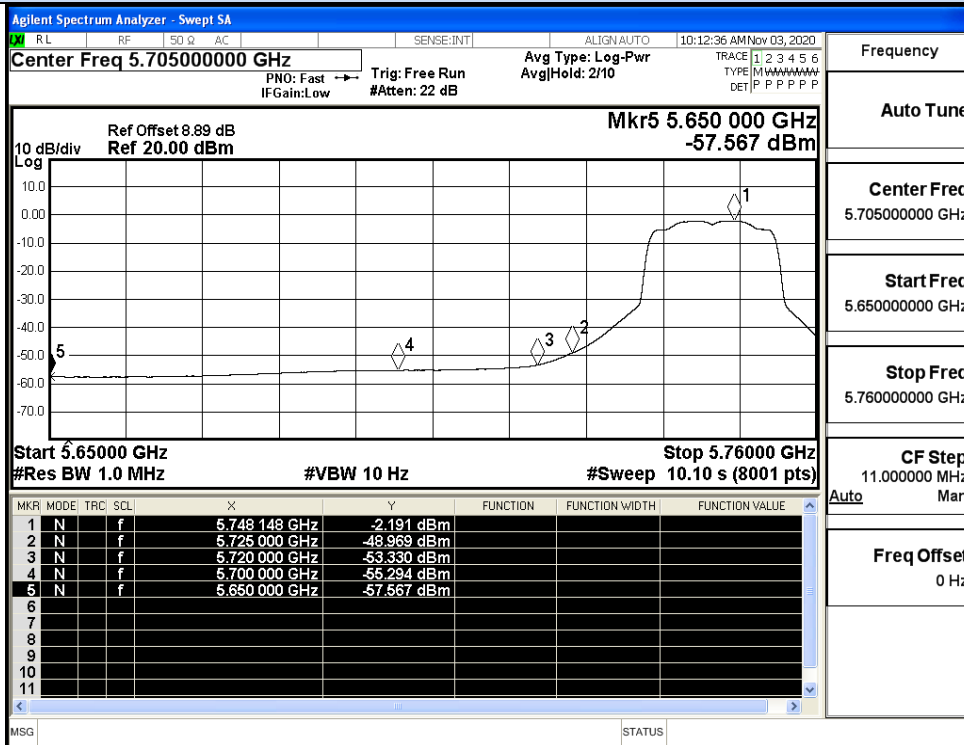


IEEE 802.11n40 / Channel 159 / 5795MHz / Average

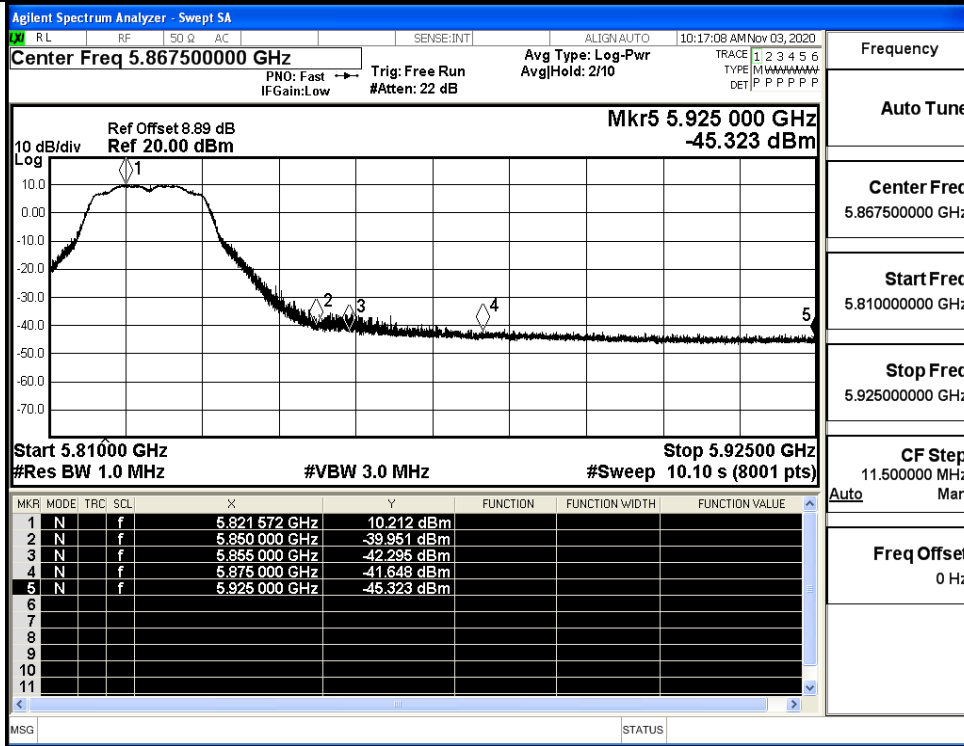




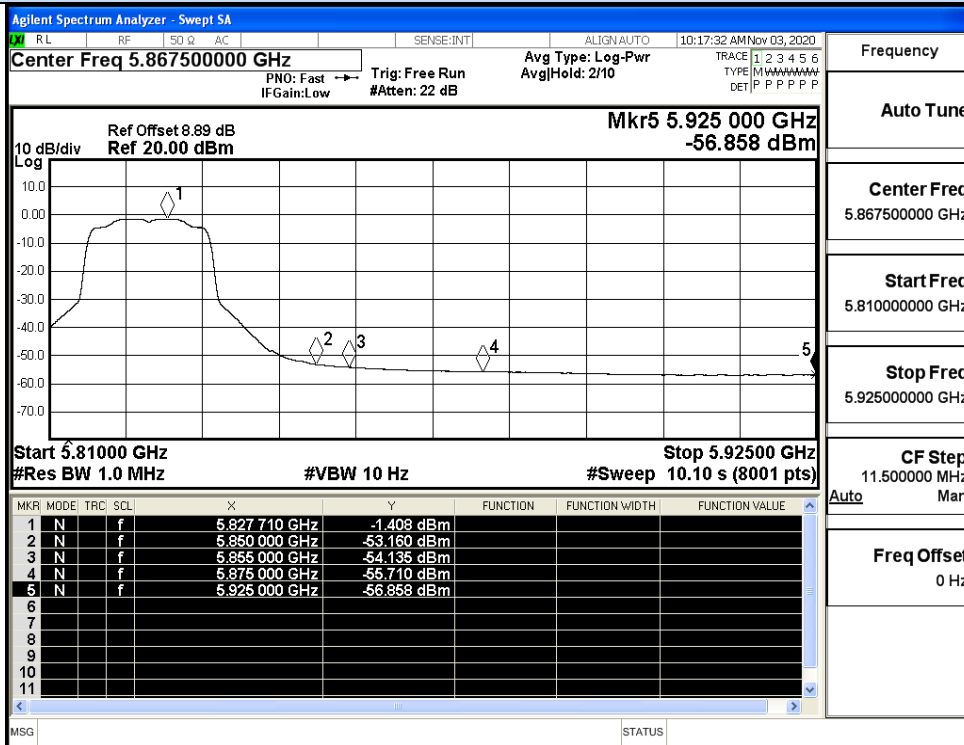
IEEE 802.11ac20 / Channel 149 / 5745MHz / Peak



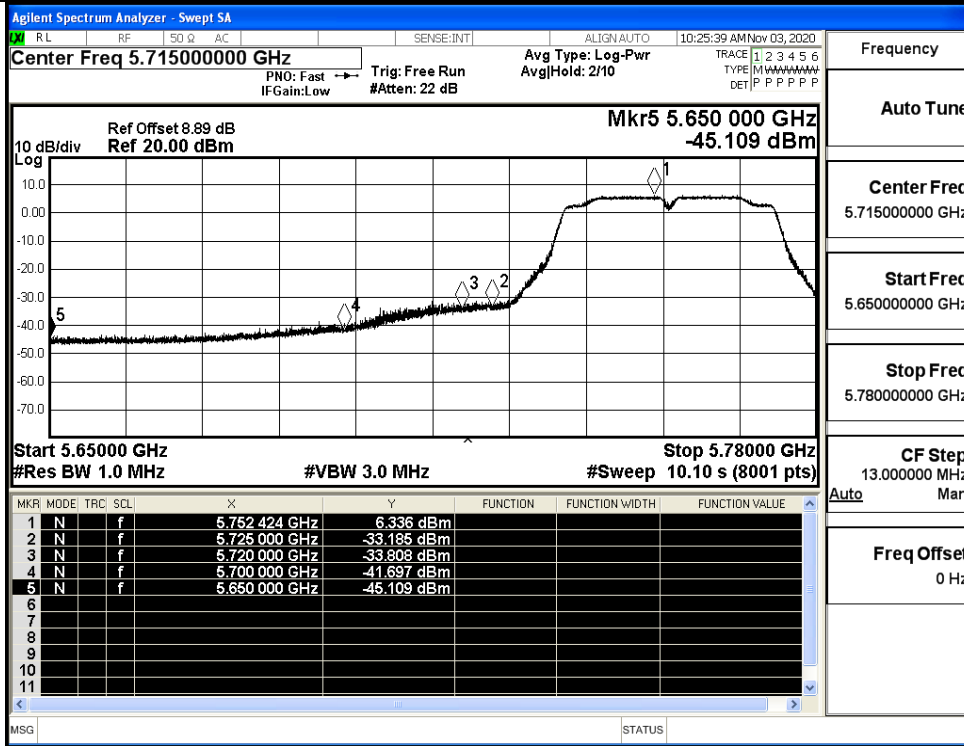
IEEE 802.11ac20 / Channel 149 / 5745MHz / Average



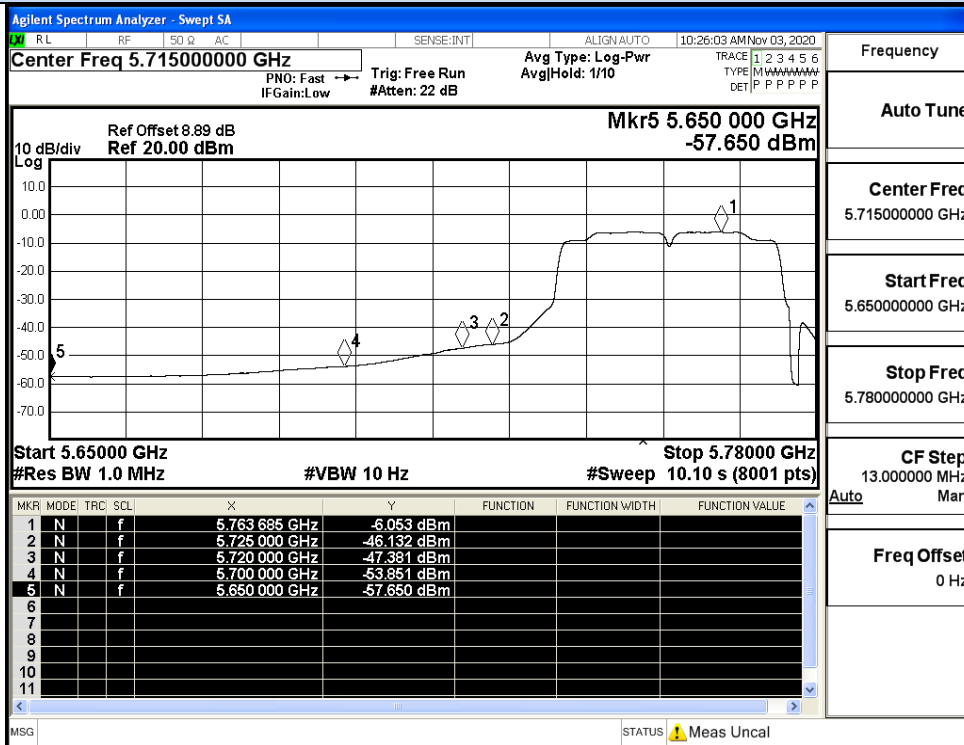
IEEE 802.11ac20 / Channel 165 / 5825MHz / Peak



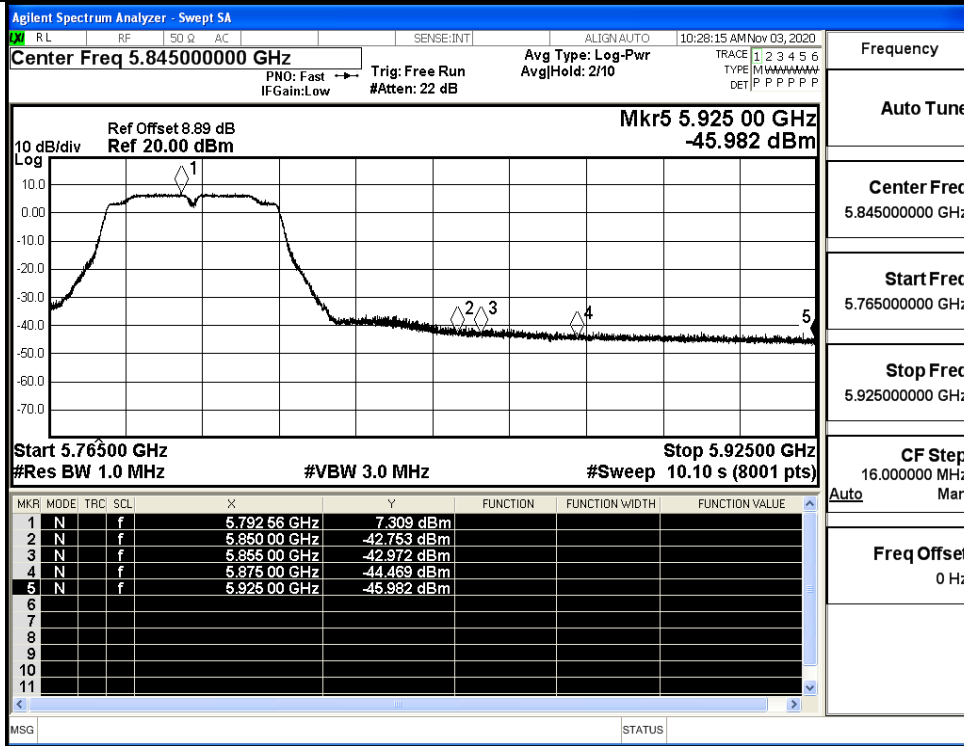
IEEE 802.11ac20 / Channel 165 / 5825MHz / Average



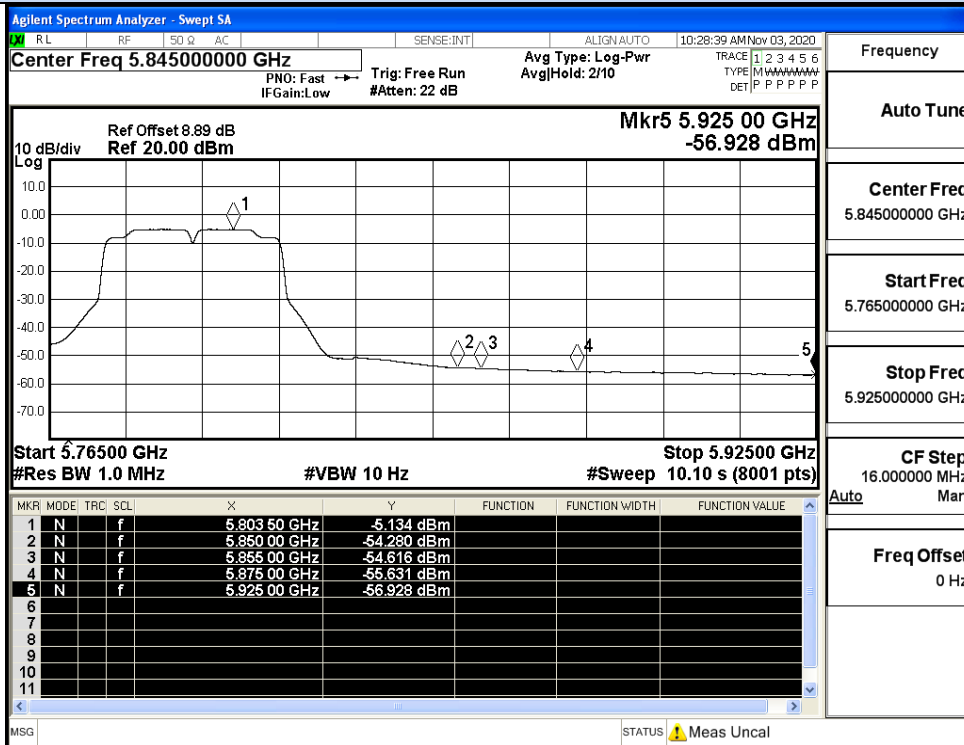
IEEE 802.11ac40 / Channel 151 / 5755MHz / Peak



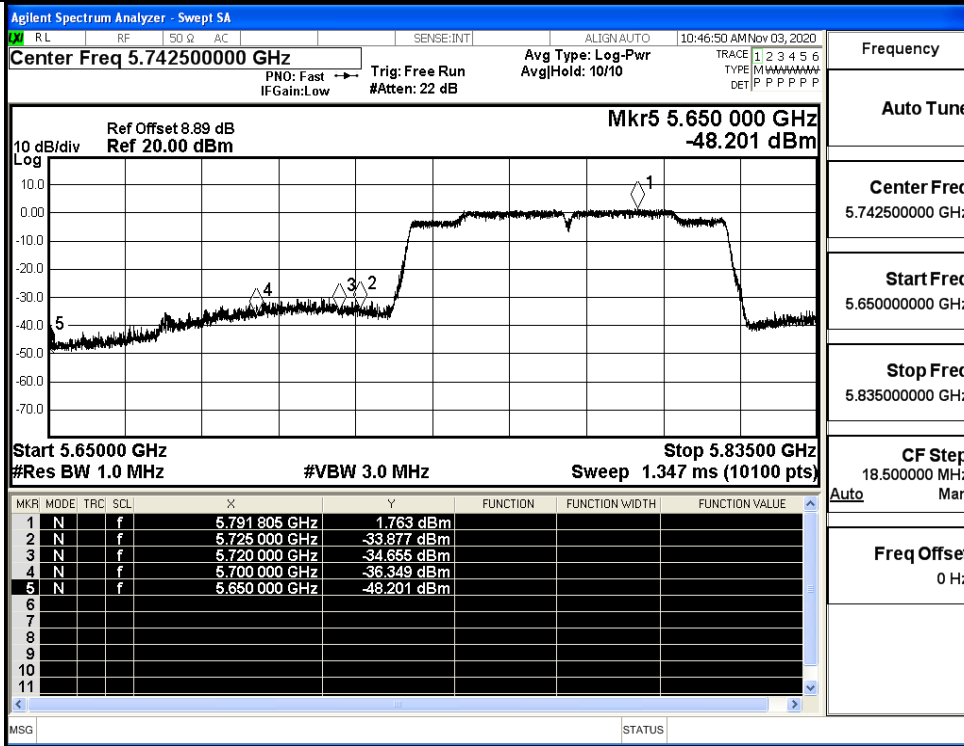
IEEE 802.11ac40 / Channel 151 / 5755MHz / Average



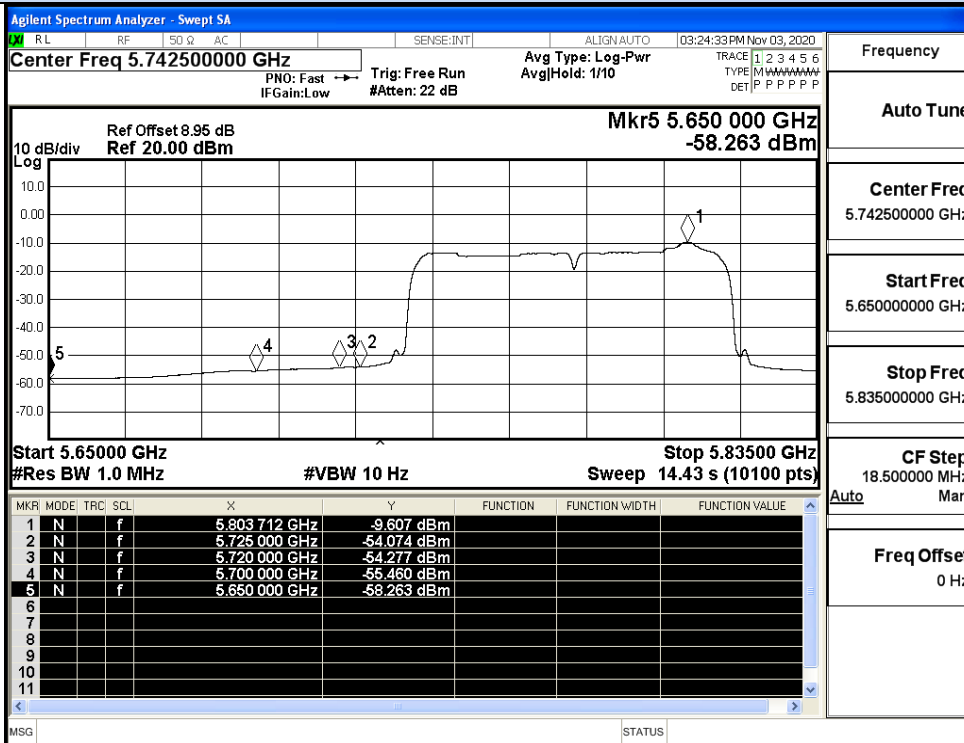
IEEE 802.11ac40 / Channel 159 / 5795MHz / Peak



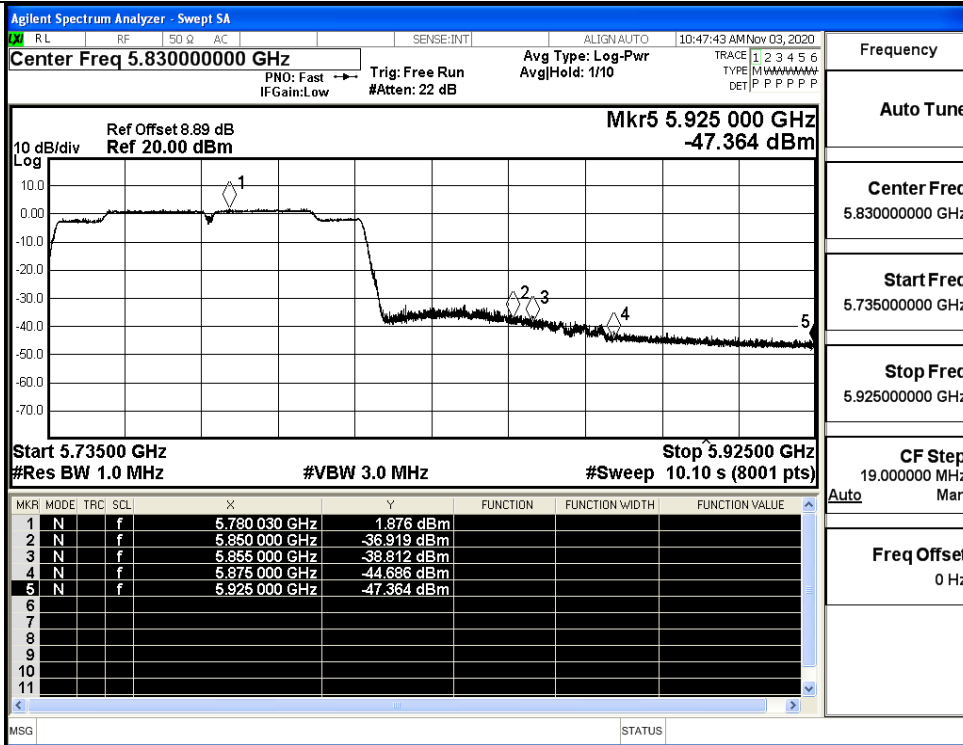
IEEE 802.11ac40 / Channel 159 / 5795MHz / Average



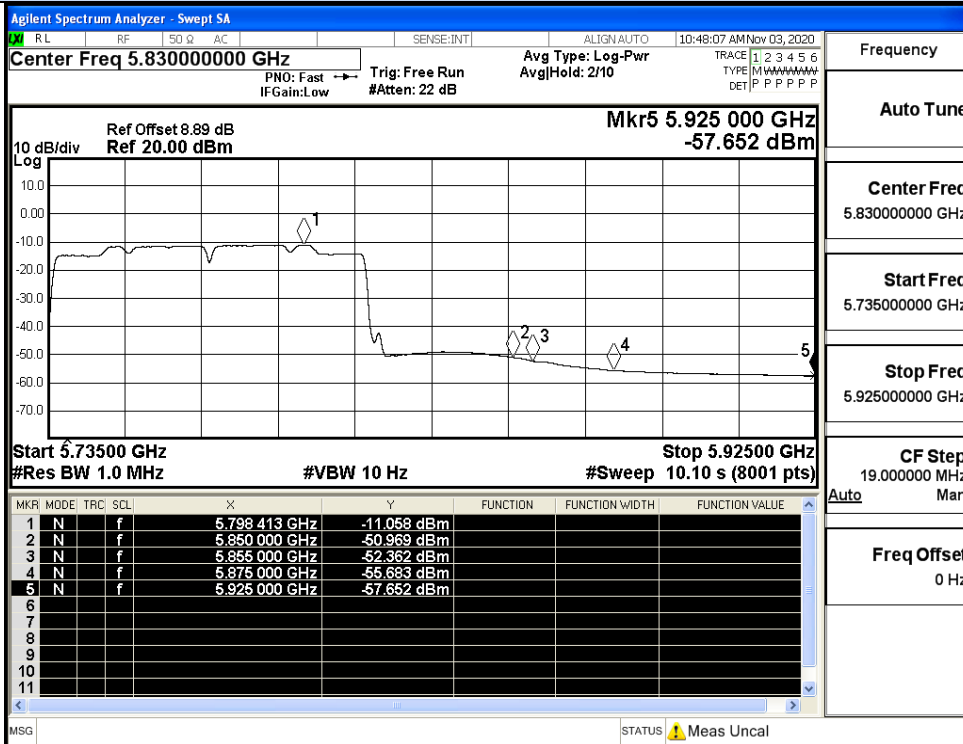
IEEE 802.11ac80 / Channel 155 / 5775MHz / Peak



IEEE 802.11ac80 / Channel 155 / 5775MHz / Average



IEEE 802.11ac80 / Channel 155 / 5775MHz / Peak



IEEE 802.11ac80 / Channel 155 / 5775MHz / Average