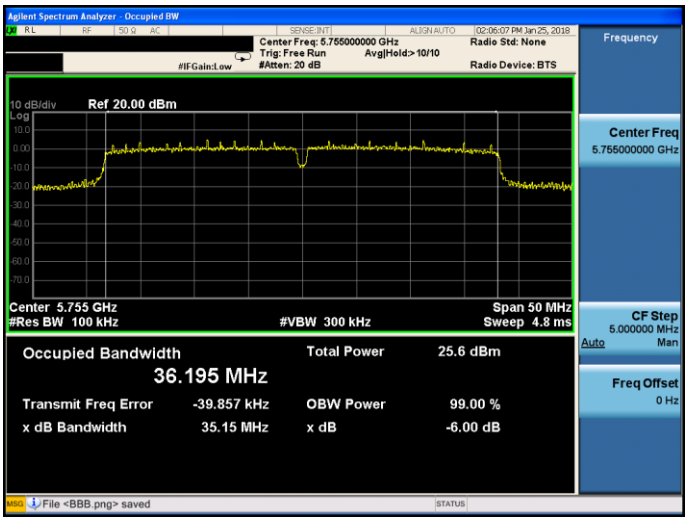
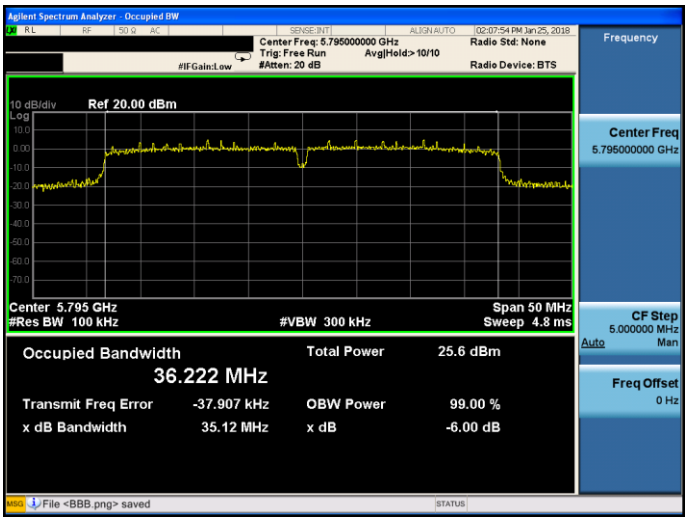
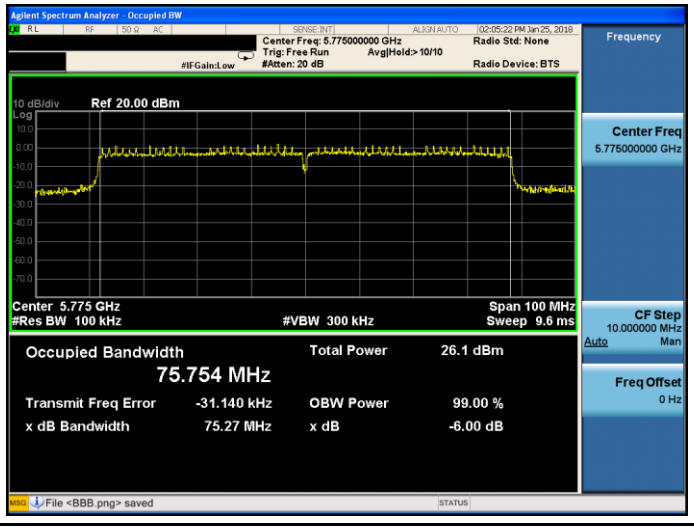
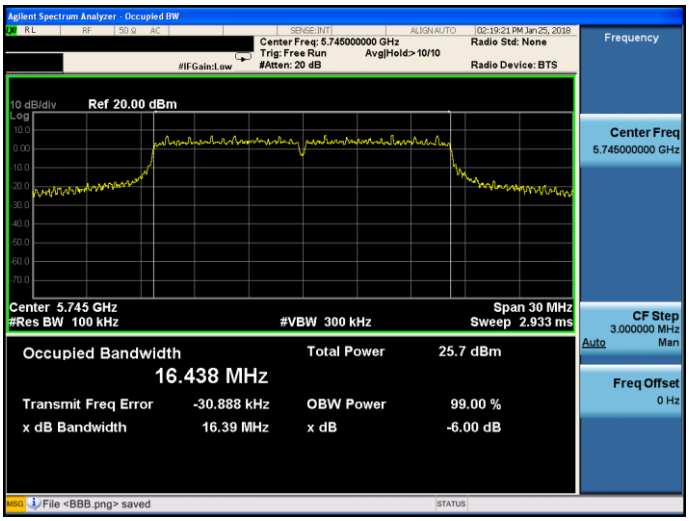
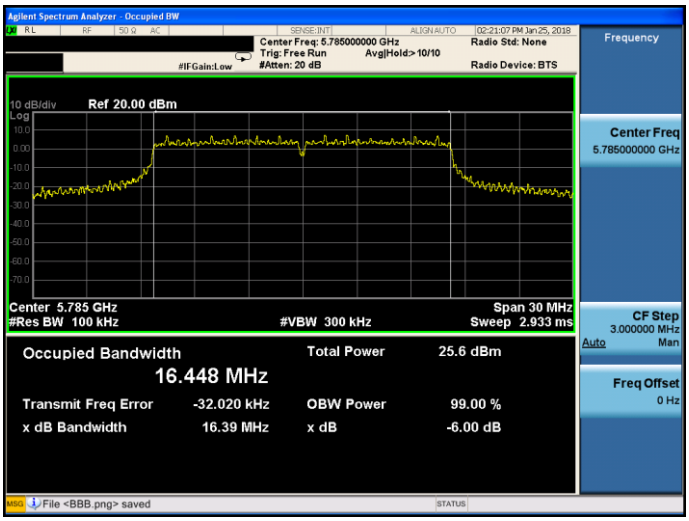
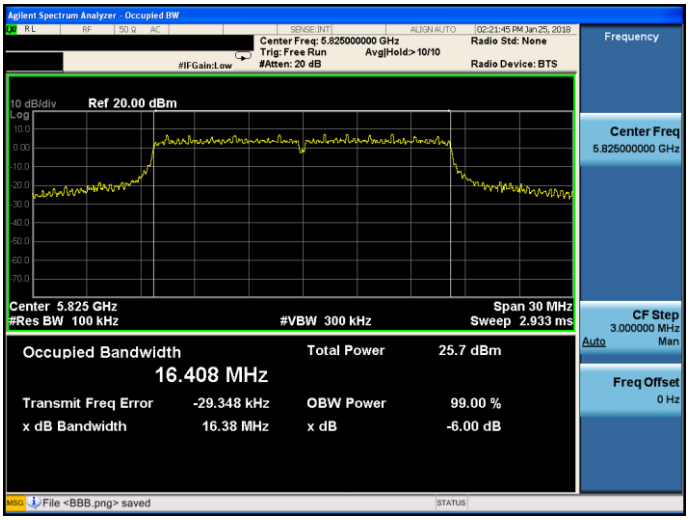
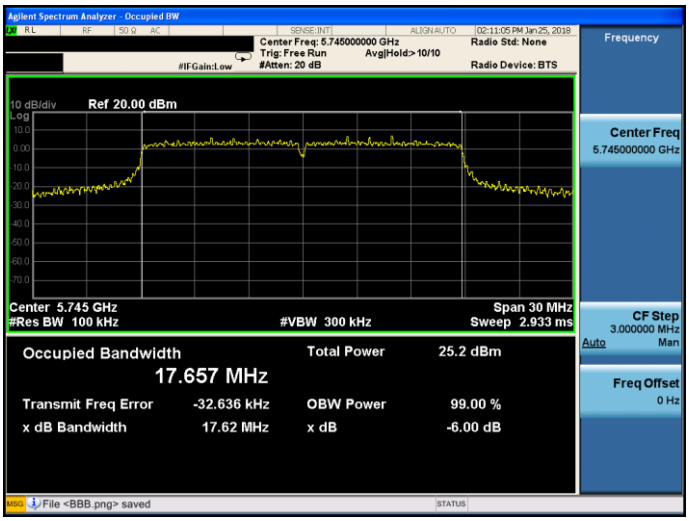
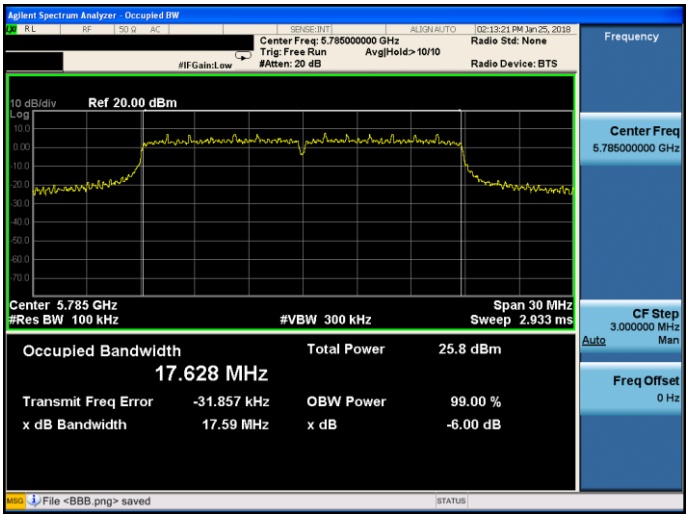
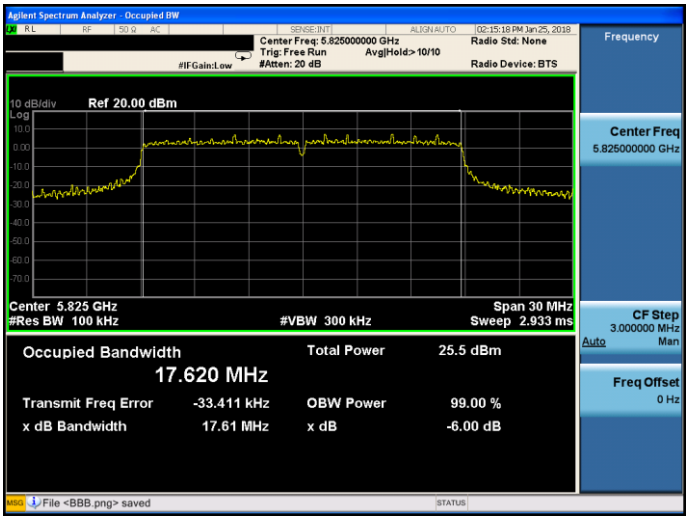
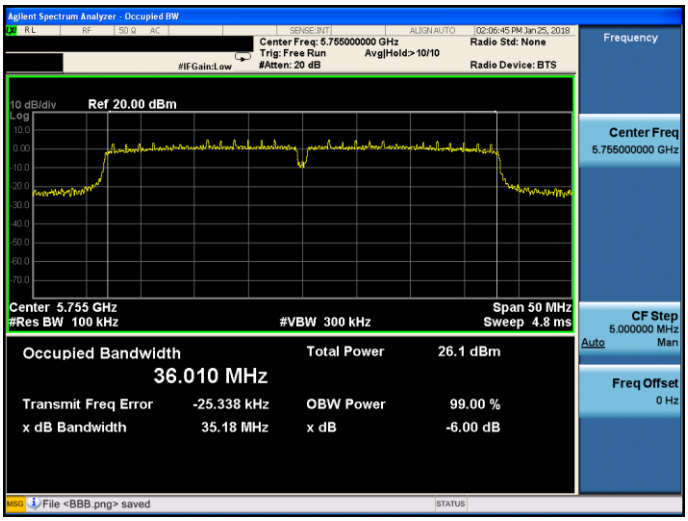
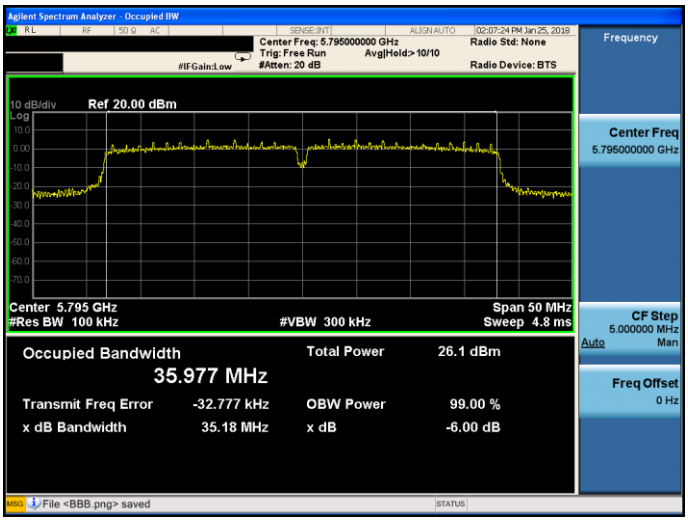
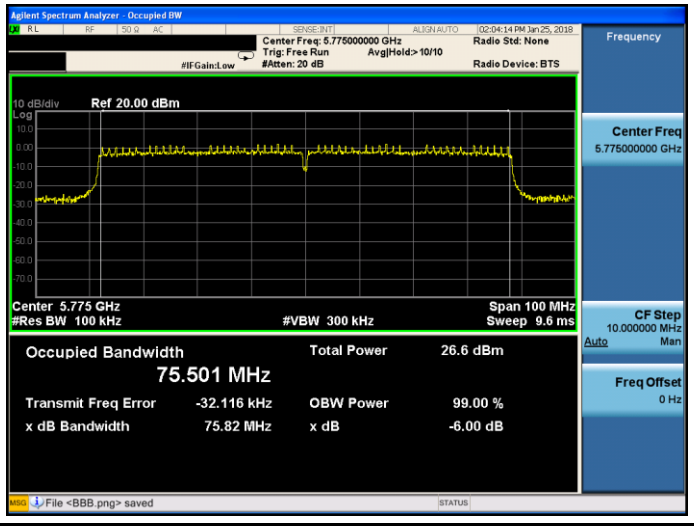
| Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-0 | |
|---|---|
| 5755 MHz |  |
| 5795 MHz |  |

| Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ANT-0 | |
|---|---|
| 5775 MHz |  |

| Mode 2: IEEE 802.11a Continuous TX mode_ANT-1 | |
|---|---|
| 5745 MHz |  |
| 5785 MHz |  |
| 5825 MHz |  |

| Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-1 | |
|---|---|
| 5745 MHz |  |
| 5785 MHz |  |
| 5825 MHz |  |

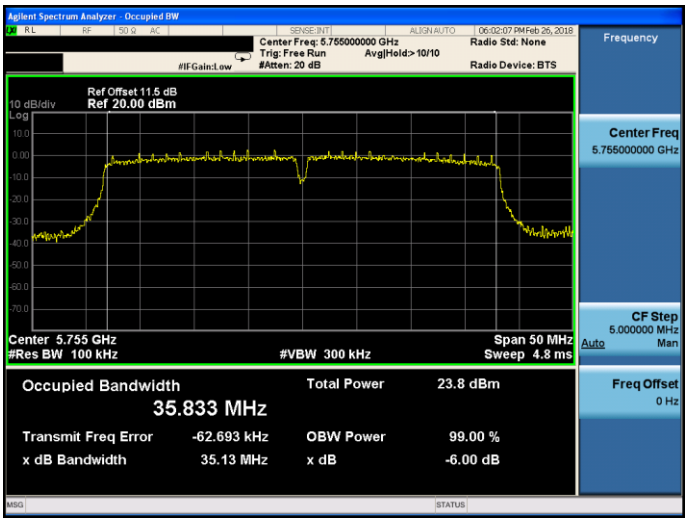
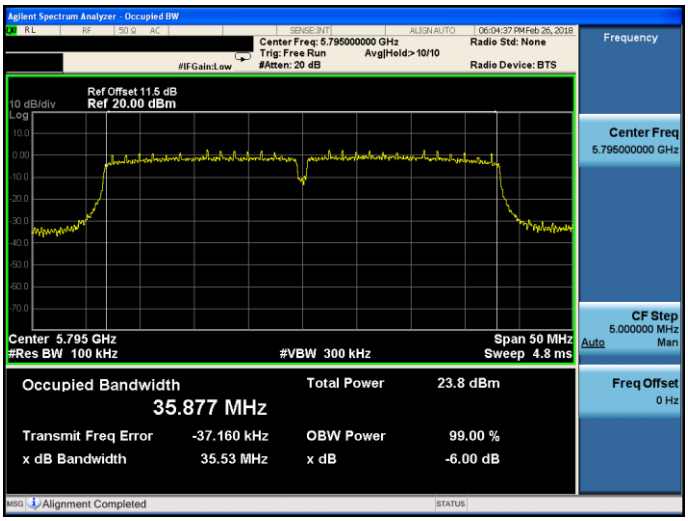
| Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-1 | |
|---|---|
| 5755 MHz |  |
| 5795 MHz |  |

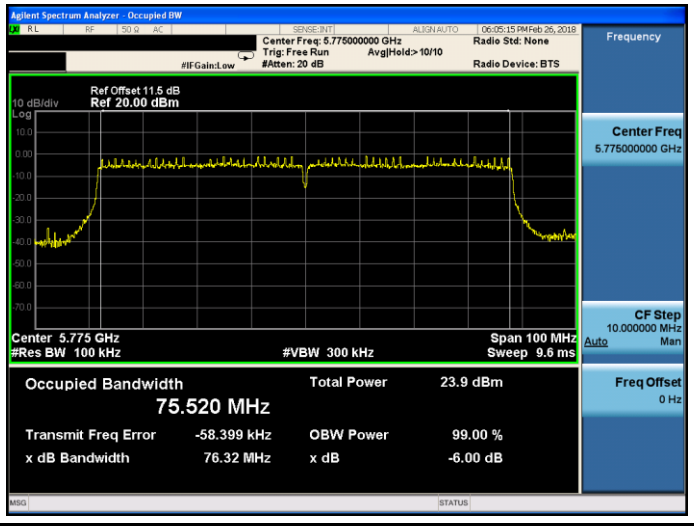
| Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ANT-1 | |
|---|---|
| 5775 MHz |  |

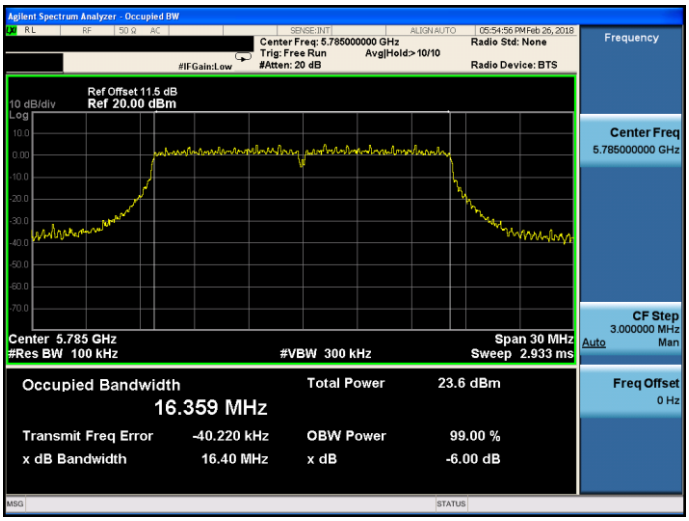
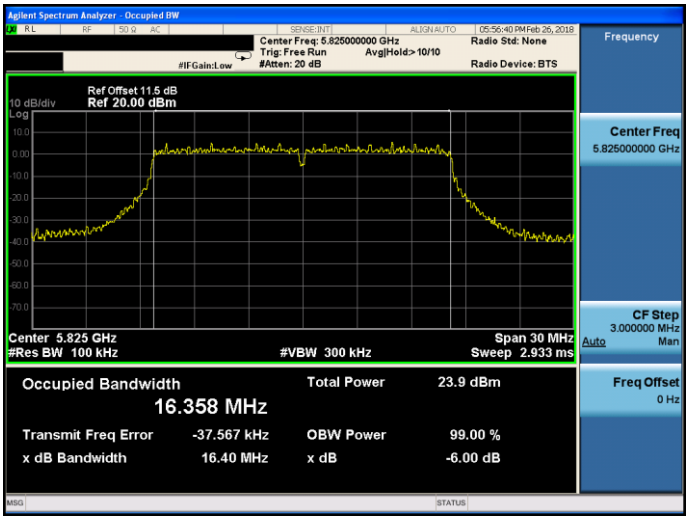
| Beamforming on |
|---|

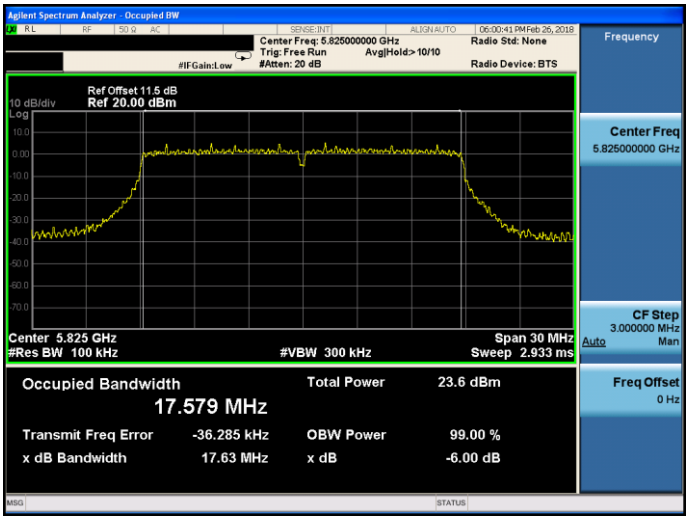
| Mode 2: IEEE 802.11a Continuous TX mode_ANT-0 | |
|---|---|
| 5745 MHz |  |
| 5785 MHz |  |
| 5825 MHz |  |

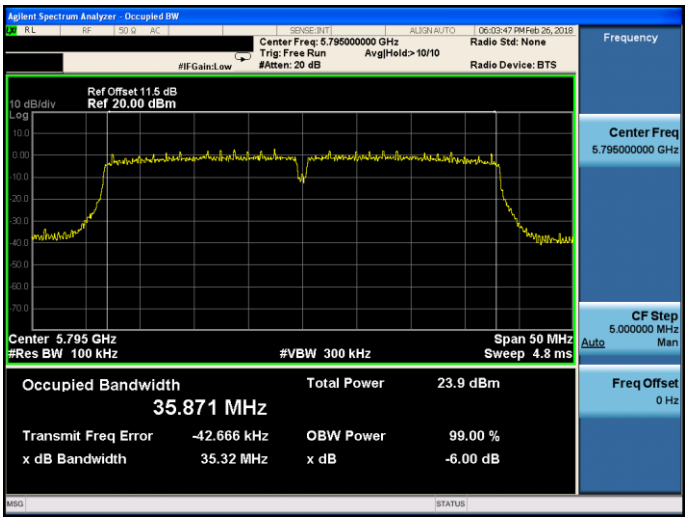
| Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-0 | |
|---|---|
| 5745 MHz |  |
| 5785 MHz |  |
| 5825 MHz |  |

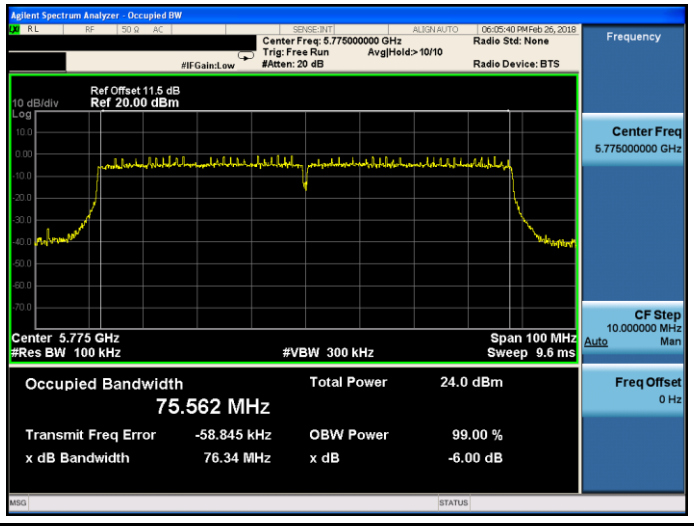
| Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-0 | |
|---|---|
| 5755 MHz |  |
| 5795 MHz |  |

| Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ANT-0 | |
|---|---|
| 5775 MHz |  |

| Mode 2: IEEE 802.11a Continuous TX mode_ANT-1 | |
|---|---|
| 5745 MHz |  |
| 5785 MHz |  |
| 5825 MHz |  |

| Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-1 | |
|---|---|
| 5745 MHz |  |
| 5785 MHz |  |
| 5825 MHz |  |

| Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-1 | |
|---|---|
| 5755 MHz |  |
| 5795 MHz |  |

| Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ANT-1 | |
|---|---|
| 5775 MHz |  |

## 5.6. Maximum Power Spectral Density Measurement

| Test Mode | Mode 2: IEEE 802.11a Continuous TX mode | | | |
|---|---|---|---|---|
| Frequency (MHz) | ANT-0 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5180 | 9.857 | 0.105 | 9.962 | < 15.98 |
| 5200 | 9.592 | 0.105 | 9.697 | |
| 5240 | 9.565 | 0.105 | 9.670 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5180 | 10.432 | 0.105 | 10.537 | < 15.98 |
| 5200 | 10.571 | 0.105 | 10.676 | |
| 5240 | 9.075 | 0.105 | 9.180 | |
| Frequency (MHz) | ANT-0+1 | | | |
| | Calculated (dBm/MHz) | | | Limit (dBm/MHz) |
| 5180 | 13.269 | | | < 15.98 |
| 5200 | 13.224 | | | |
| 5240 | 12.442 | | | |

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

| Test Mode | Mode 2: IEEE 802.11a Continuous TX mode | | | |
|---|---|---|---|---|
| Frequency (MHz) | ANT-0 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5745 | 0.50 | 0.105 | 7.59 | < 28.84 |
| 5785 | -0.33 | 0.105 | 6.77 | |
| 5825 | 0.12 | 0.105 | 7.21 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5745 | 0.31 | 0.105 | 7.41 | < 28.84 |
| 5785 | 0.68 | 0.105 | 7.77 | |
| 5825 | 0.77 | 0.105 | 7.86 | |
| Frequency (MHz) | ANT-0+1 | | | |
| | Calculated (dBm/500KHz) | | | Limit (dBm/500KHz) |
| 5745 | 10.51 | | | < 28.84 |
| 5785 | 10.31 | | | |
| 5825 | 10.56 | | | |

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500k/100k)

| Test Mode | Mode 3: IEEE 802.11ac 20MHz Continuous TX mode | | | |
|---|---|---|---|---|
| Frequency (MHz) | ANT-0 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5180 | 8.694 | 0.026 | 8.720 | < 15.98 |
| 5200 | 8.673 | 0.026 | 8.699 | |
| 5240 | 9.167 | 0.026 | 9.193 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5180 | 10.109 | 0.026 | 10.135 | < 15.98 |
| 5200 | 9.872 | 0.026 | 9.898 | |
| 5240 | 8.424 | 0.026 | 8.450 | |
| Frequency (MHz) | ANT-0+1 | | | |
| | Calculated (dBm/MHz) | | | Limit (dBm/MHz) |
| 5180 | 12.495 | | | < 15.98 |
| 5200 | 12.350 | | | |
| 5240 | 11.848 | | | |

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

| Test Mode | Mode 3: IEEE 802.11ac 20MHz Continuous TX mode | | | |
|---|---|---|---|---|
| Frequency (MHz) | ANT-0 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5745 | -0.24 | 0.026 | 6.78 | < 28.84 |
| 5785 | -0.34 | 0.026 | 6.68 | |
| 5825 | -0.71 | 0.026 | 6.30 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5745 | -0.13 | 0.026 | 6.89 | < 28.84 |
| 5785 | 0.13 | 0.026 | 7.15 | |
| 5825 | 0.41 | 0.026 | 7.42 | |
| Frequency (MHz) | ANT-0+1 | | | |
| | Calculated (dBm/500KHz) | | | Limit (dBm/500KHz) |
| 5745 | 9.84 | | | < 28.84 |
| 5785 | 9.93 | | | |
| 5825 | 9.91 | | | |

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500k/100k)

| Test Mode | Mode 4: IEEE 802.11ac 40MHz Continuous TX mode | | | |
|---|---|---|---|---|
| Frequency (MHz) | ANT-0 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5190 | 4.875 | 0.071 | 4.946 | < 15.98 |
| 5230 | 6.350 | 0.071 | 6.421 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5190 | 5.049 | 0.071 | 5.120 | < 15.98 |
| 5230 | 5.951 | 0.071 | 6.022 | |
| Frequency (MHz) | ANT-0+1 | | | |
| | Calculated (dBm/MHz) | | | Limit (dBm/MHz) |
| 5190 | 8.044 | | | < 15.98 |
| 5230 | 9.236 | | | |

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

| Test Mode | Mode 4: IEEE 802.11ac 40MHz Continuous TX mode | | | |
|---|---|---|---|---|
| Frequency (MHz) | ANT-0 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5755 | -2.76 | 0.071 | 4.30 | < 28.84 |
| 5795 | -2.72 | 0.071 | 4.34 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5755 | -2.22 | 0.071 | 4.84 | < 28.84 |
| 5795 | -2.12 | 0.071 | 4.94 | |
| Frequency (MHz) | ANT-0+1 | | | |
| | Calculated (dBm/500KHz) | | | Limit (dBm/500KHz) |
| 5755 | 7.59 | | | < 28.84 |
| 5795 | 7.66 | | | |

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500k/100k)

| Test Mode | Mode 5: IEEE 802.11ac 80MHz Continuous TX mode | | | |
|---|---|---|---|---|
| Frequency (MHz) | ANT-0 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5210 | -0.538 | 0.185 | -0.353 | < 15.98 |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5210 | -0.392 | 0.185 | -0.207 | < 15.98 |
| Frequency (MHz) | ANT-0+1 | | | |
| | Calculated (dBm/MHz) | | | Limit (dBm/MHz) |
| 5210 | 2.731 | | | < 15.98 |

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

| Test Mode | Mode 5: IEEE 802.11ac 80MHz Continuous TX mode | | | |
|---|---|---|---|---|
| Frequency (MHz) | ANT-0 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5775 | -5.82 | 0.185 | 1.36 | < 28.84 |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5775 | -6.03 | 0.185 | 1.15 | < 28.84 |
| Frequency (MHz) | ANT-0+1 | | | |
| | Calculated (dBm/500KHz) | | | Limit (dBm/500KHz) |
| 5775 | 4.27 | | | < 28.84 |

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500k/100k)

| Beamforming on |
|---|

| Test Mode | Mode 2: IEEE 802.11a Continuous TX mode | | | |
|---|---|---|---|---|
| Frequency (MHz) | ANT-0 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5180 | 6.083 | 0.105 | 6.188 | < 15.98 |
| 5200 | 5.991 | 0.105 | 6.096 | |
| 5240 | 5.759 | 0.105 | 5.864 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5180 | 6.043 | 0.105 | 6.148 | < 15.98 |
| 5200 | 6.131 | 0.105 | 6.236 | |
| 5240 | 6.207 | 0.105 | 6.312 | |
| Frequency (MHz) | ANT-0+1 | | | |
| | Calculated (dBm/MHz) | | | Limit (dBm/MHz) |
| 5180 | 9.179 | | | < 15.98 |
| 5200 | 9.177 | | | |
| 5240 | 9.104 | | | |

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

| Test Mode | Mode 2: IEEE 802.11a Continuous TX mode | | | |
|---|---|---|---|---|
| Frequency (MHz) | ANT-0 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5745 | -2.90 | 0.105 | 4.19 | < 28.84 |
| 5785 | -3.34 | 0.105 | 3.75 | |
| 5825 | -3.04 | 0.105 | 4.06 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5745 | -3.11 | 0.105 | 3.98 | < 28.84 |
| 5785 | -3.04 | 0.105 | 4.05 | |
| 5825 | -2.79 | 0.105 | 4.31 | |
| Frequency (MHz) | ANT-0+1 | | | |
| | Calculated (dBm/500KHz) | | | Limit (dBm/500KHz) |
| 5745 | 7.10 | | | < 28.84 |
| 5785 | 6.92 | | | |
| 5825 | 7.19 | | | |

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500k/100k)

| Test Mode | Mode 3: IEEE 802.11ac 20MHz Continuous TX mode | | | |
|---|---|---|---|---|
| Frequency (MHz) | ANT-0 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5180 | 6.047 | 0.026 | 6.073 | < 15.98 |
| 5200 | 5.929 | 0.026 | 5.955 | |
| 5240 | 5.500 | 0.026 | 5.526 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5180 | 6.128 | 0.026 | 6.154 | < 15.98 |
| 5200 | 6.272 | 0.026 | 6.298 | |
| 5240 | 5.495 | 0.026 | 5.521 | |
| Frequency (MHz) | ANT-0+1 | | | |
| | Calculated (dBm/MHz) | | | Limit (dBm/MHz) |
| 5180 | 9.124 | | | < 15.98 |
| 5200 | 9.140 | | | |
| 5240 | 8.534 | | | |

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

| Test Mode | Mode 3: IEEE 802.11ac 20MHz Continuous TX mode | | | |
|---|---|---|---|---|
| Frequency (MHz) | ANT-0 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5745 | -4.02 | 0.026 | 3.00 | < 28.84 |
| 5785 | -3.68 | 0.026 | 3.34 | |
| 5825 | -3.42 | 0.026 | 3.60 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5745 | -4.17 | 0.026 | 2.85 | < 28.84 |
| 5785 | -3.24 | 0.026 | 3.78 | |
| 5825 | -3.28 | 0.026 | 3.74 | |
| Frequency (MHz) | ANT-0+1 | | | |
| | Calculated (dBm/500KHz) | | | Limit (dBm/500KHz) |
| 5745 | 5.94 | | | < 28.84 |
| 5785 | 6.57 | | | |
| 5825 | 6.68 | | | |

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500k/100k)

| Test Mode | Mode 4: IEEE 802.11ac 40MHz Continuous TX mode | | | |
|---|---|---|---|---|
| Frequency (MHz) | ANT-0 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5190 | 1.286 | 0.071 | 1.357 | < 15.98 |
| 5230 | 2.987 | 0.071 | 3.058 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5190 | 1.403 | 0.071 | 1.474 | < 15.98 |
| 5230 | 2.863 | 0.071 | 2.934 | |
| Frequency (MHz) | ANT-0+1 | | | |
| | Calculated (dBm/MHz) | | | Limit (dBm/MHz) |
| 5190 | 4.426 | | | < 15.98 |
| 5230 | 6.006 | | | |

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

| Test Mode | Mode 4: IEEE 802.11ac 40MHz Continuous TX mode | | | |
|---|---|---|---|---|
| Frequency (MHz) | ANT-0 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5755 | -6.07 | 0.071 | 0.99 | < 28.84 |
| 5795 | -6.03 | 0.071 | 1.03 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5755 | -5.81 | 0.071 | 1.25 | < 28.84 |
| 5795 | -5.55 | 0.071 | 1.51 | |
| Frequency (MHz) | ANT-0+1 | | | |
| | Calculated (dBm/500KHz) | | | Limit (dBm/500KHz) |
| 5755 | 4.14 | | | < 28.84 |
| 5795 | 4.29 | | | |

Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

Conversion ratio = 10*Log(500k/100k)

| Test Mode | Mode 5: IEEE 802.11ac 80MHz Continuous TX mode | | | |
|---|---|---|---|---|
| Frequency (MHz) | ANT-0 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5210 | -3.294 | 0.185 | -3.109 | < 15.98 |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5210 | -3.103 | 0.185 | -2.918 | < 15.98 |
| Frequency (MHz) | ANT-0+1 | | | |
| | Calculated (dBm/MHz) | | | Limit (dBm/MHz) |
| 5210 | -0.002 | | | < 15.98 |

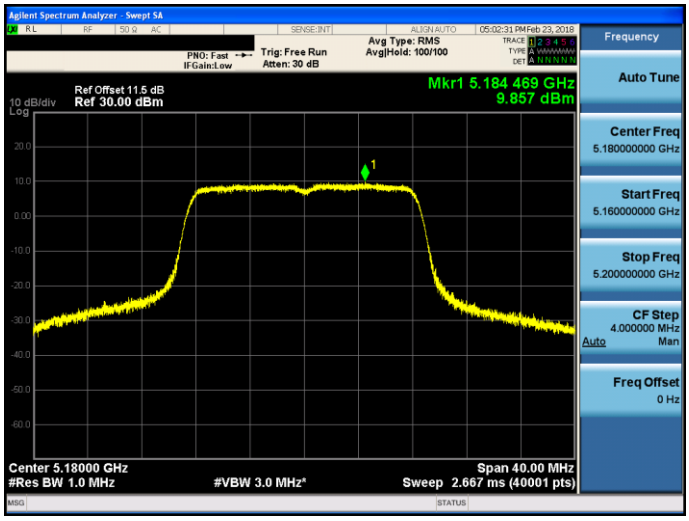
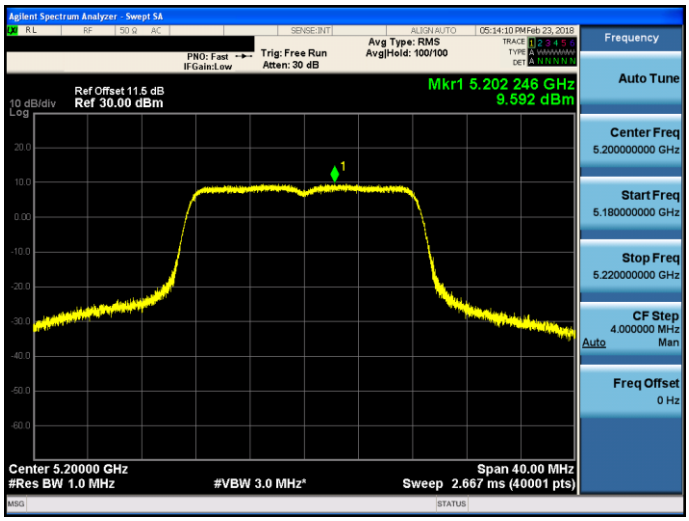
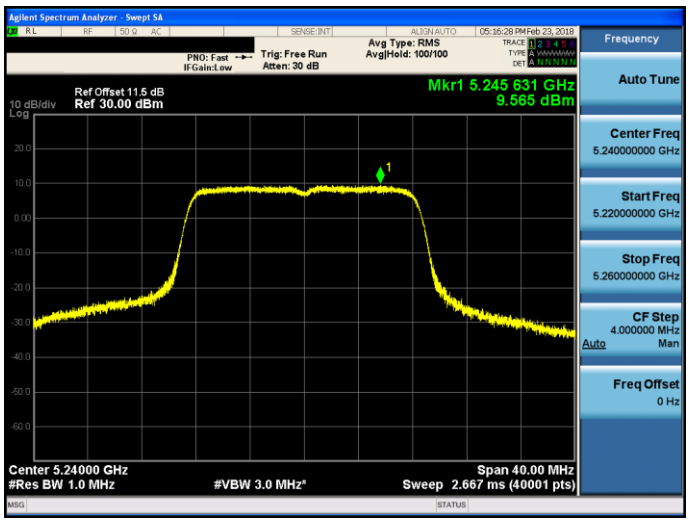
Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

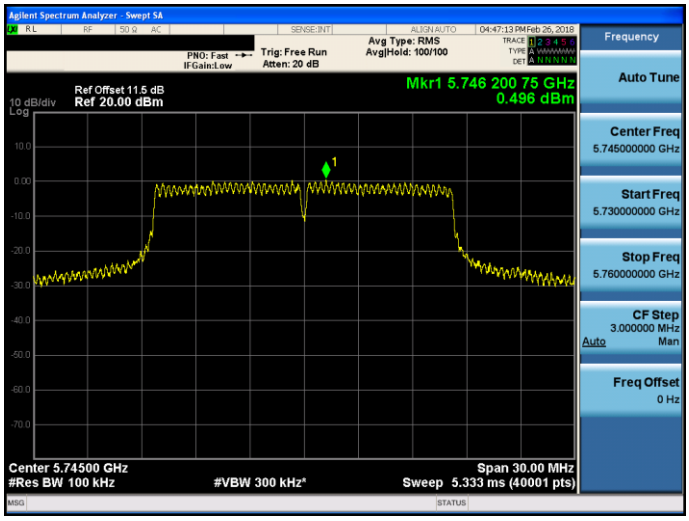
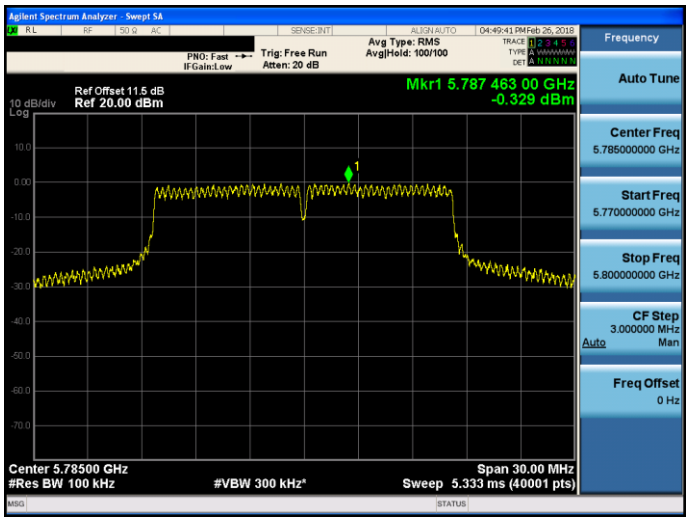
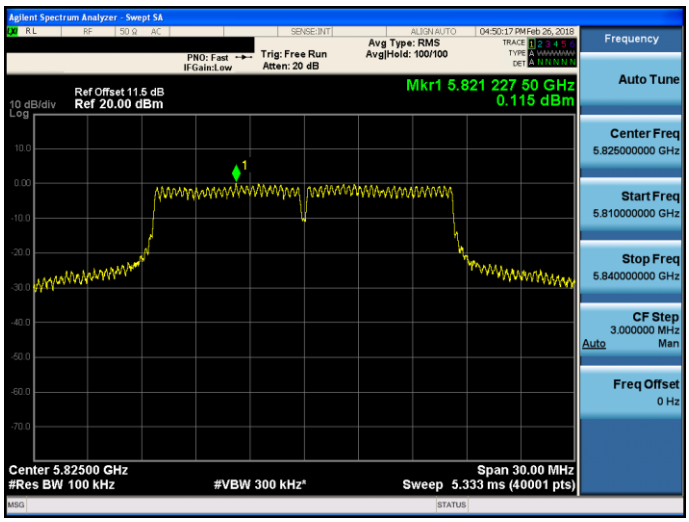
| Test Mode | Mode 5: IEEE 802.11ac 80MHz Continuous TX mode | | | |
|---|---|---|---|---|
| Frequency (MHz) | ANT-0 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5775 | -9.37 | 0.185 | -2.20 | < 28.84 |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5775 | -9.42 | 0.185 | -2.24 | < 28.84 |
| Frequency (MHz) | ANT-0+1 | | | |
| | Calculated (dBm/500KHz) | | | Limit (dBm/500KHz) |
| 5775 | 0.79 | | | < 28.84 |

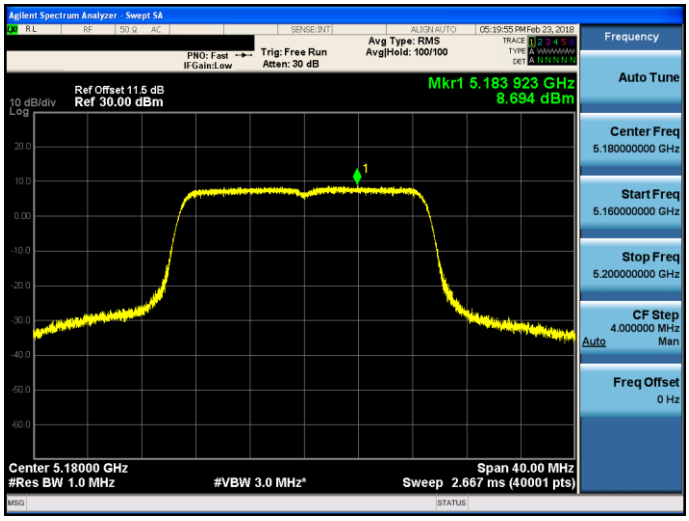
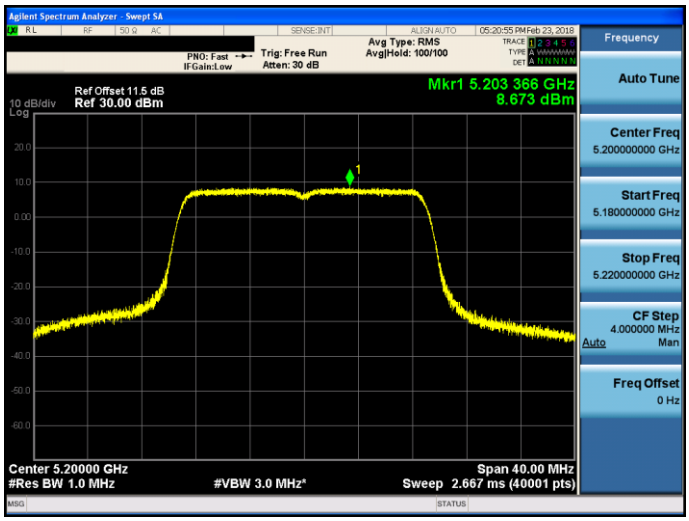
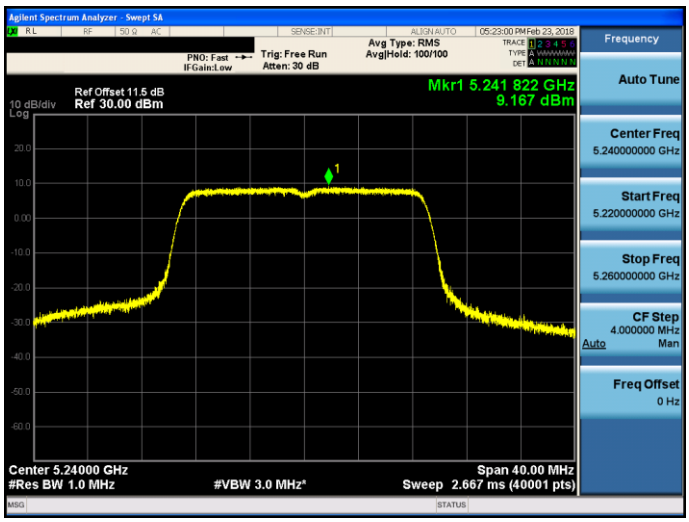
Note: Method SA-2, Power density = measured result + 10log(1/duty cycle) + Conversion ratio = measured result + duty factor.

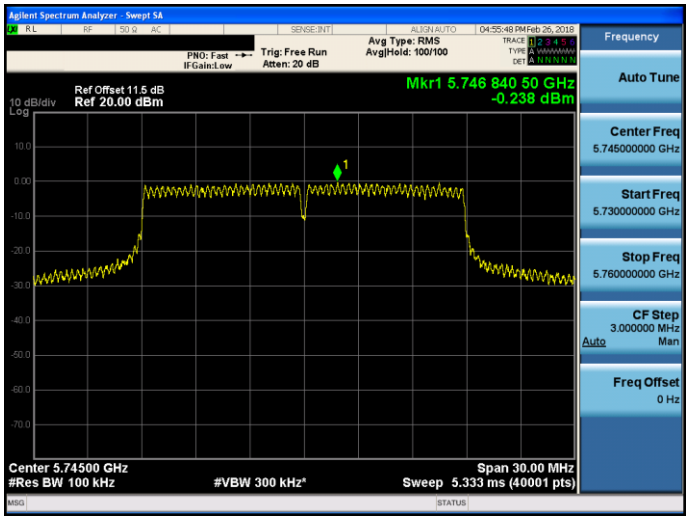
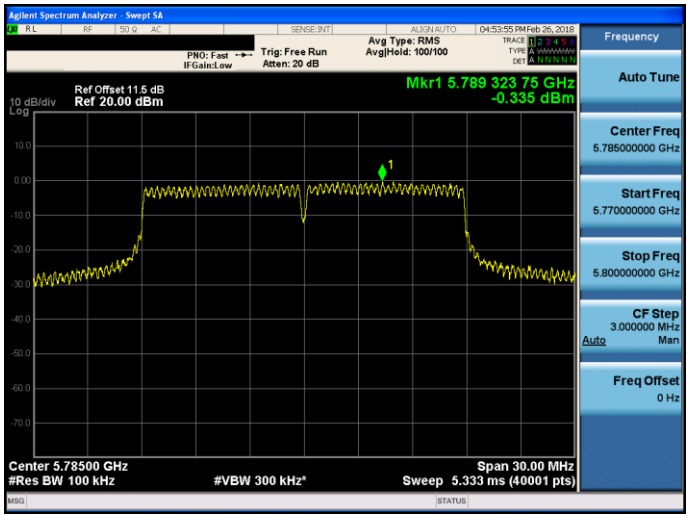
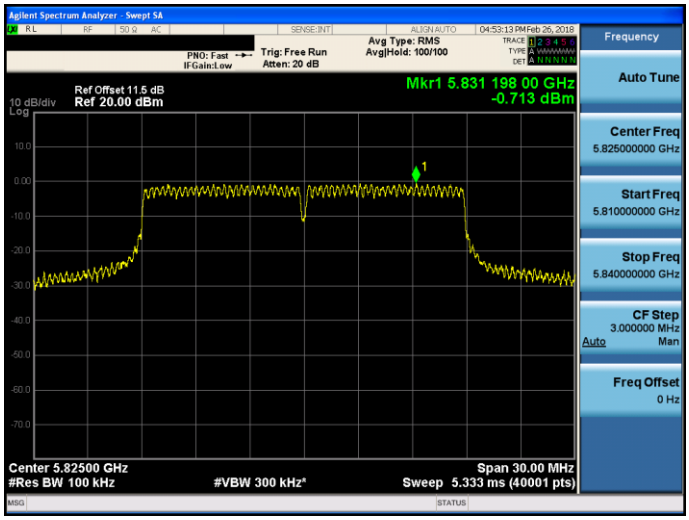
Conversion ratio = 10*Log(500k/100k)

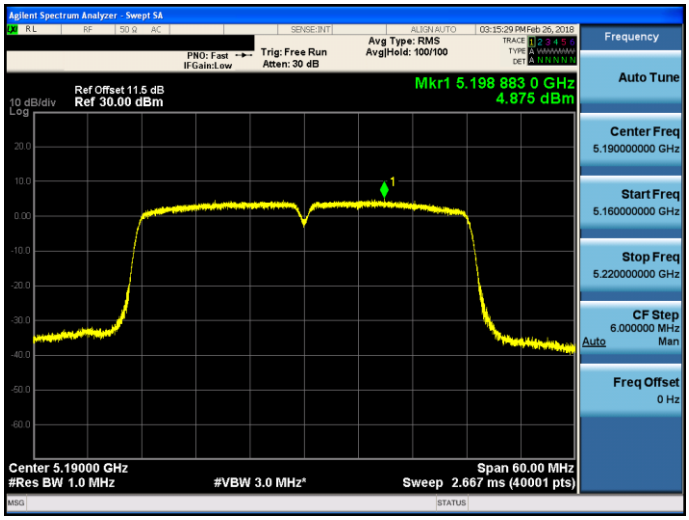
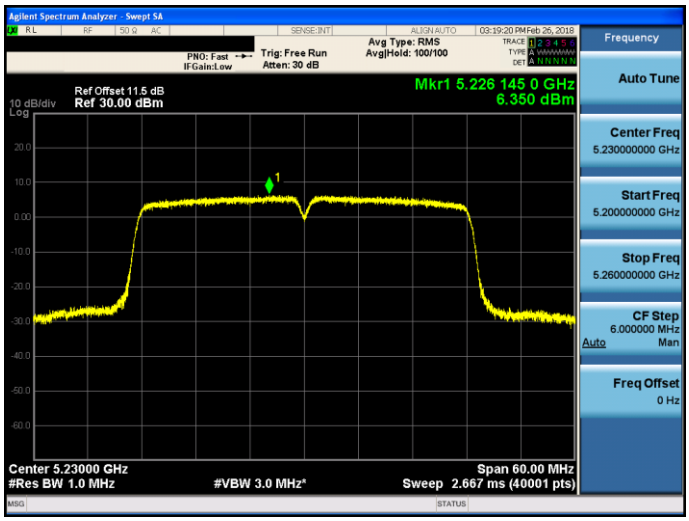
■ **Test Graphs**

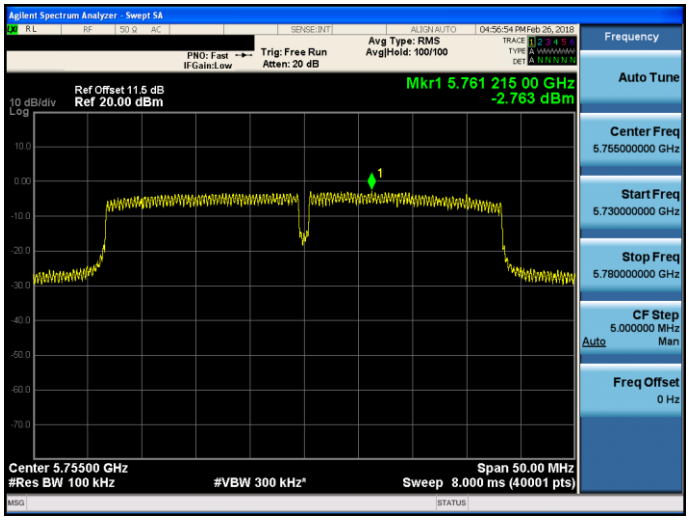
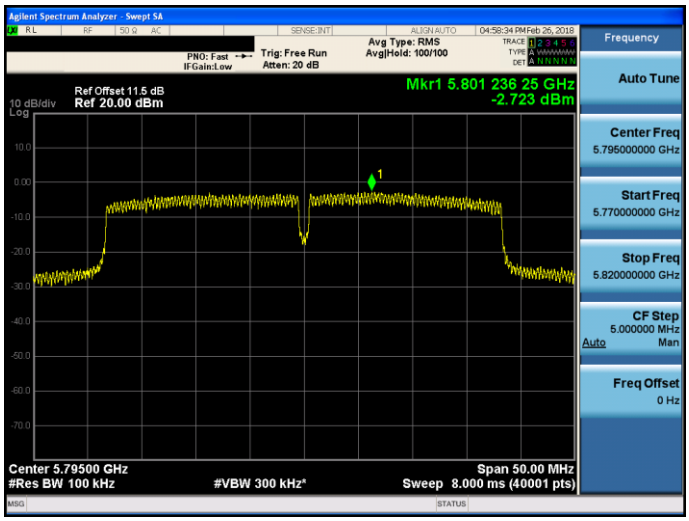
| Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0 | |
|---|---|
| 5180 MHz |  |
| 5200 MHz |  |
| 5240 MHz |  |

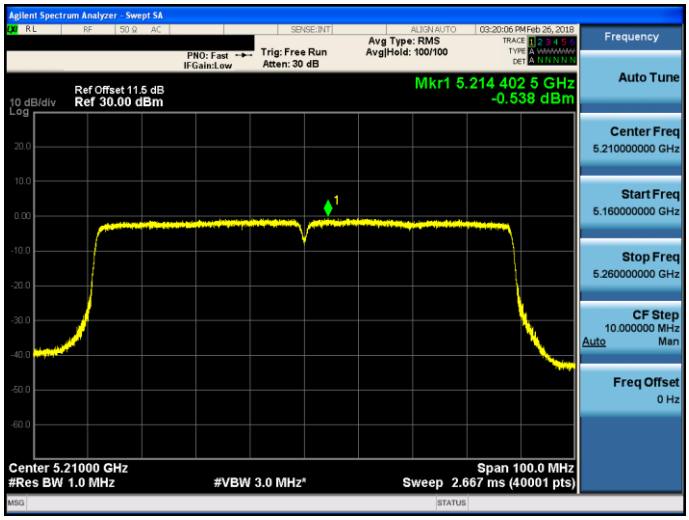
| Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0 | |
|---|---|
| 5745 MHz |  |
| 5785 MHz |  |
| 5825 MHz |  |

| Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ ANT-0 | |
|---|---|
| 5180 MHz |  |
| 5200 MHz |  |
| 5240 MHz |  |

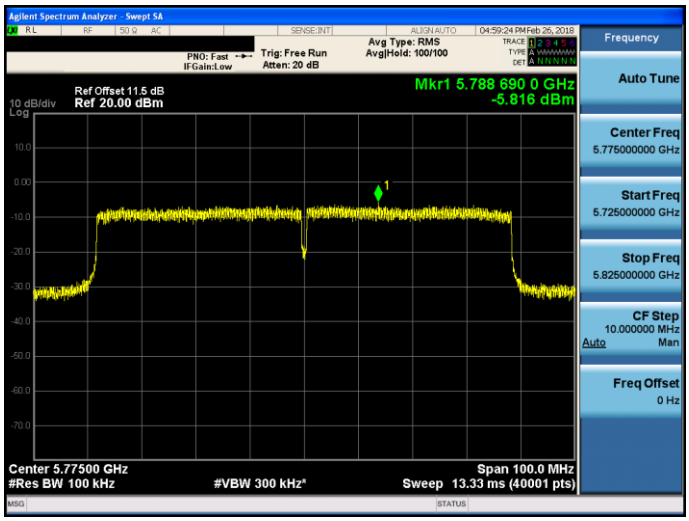
| Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ ANT-0 | |
|---|---|
| 5745 MHz |  |
| 5785 MHz |  |
| 5825 MHz |  |

| Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ ANT-0 | |
|---|---|
| 5190 MHz |  |
| 5230 MHz |  |

| Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ ANT-0 | |
|---|---|
| 5755 MHz |  |
| 5795 MHz |  |

| Mode 5: IEEE 802.11ac 80MHz Continuous TX mode _ ANT-0 | |
|---|---|
| 5210 MHz |  |



| Mode 5: IEEE 802.11ac 80MHz Continuous TX mode _ ANT-0 | |
|---|---|
| 5775 MHz |  |