



■ Test Graphs

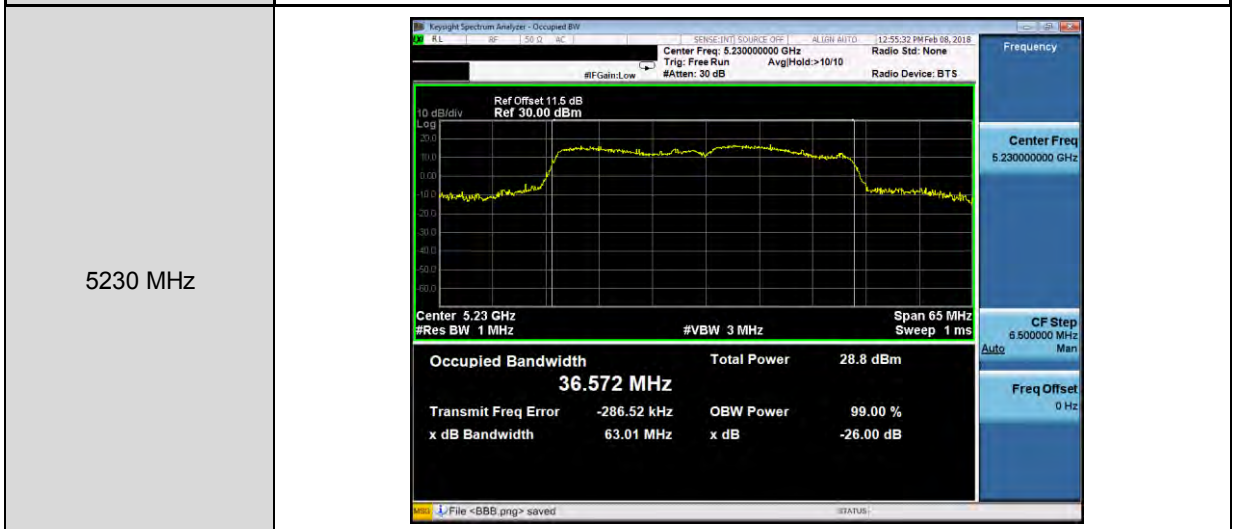
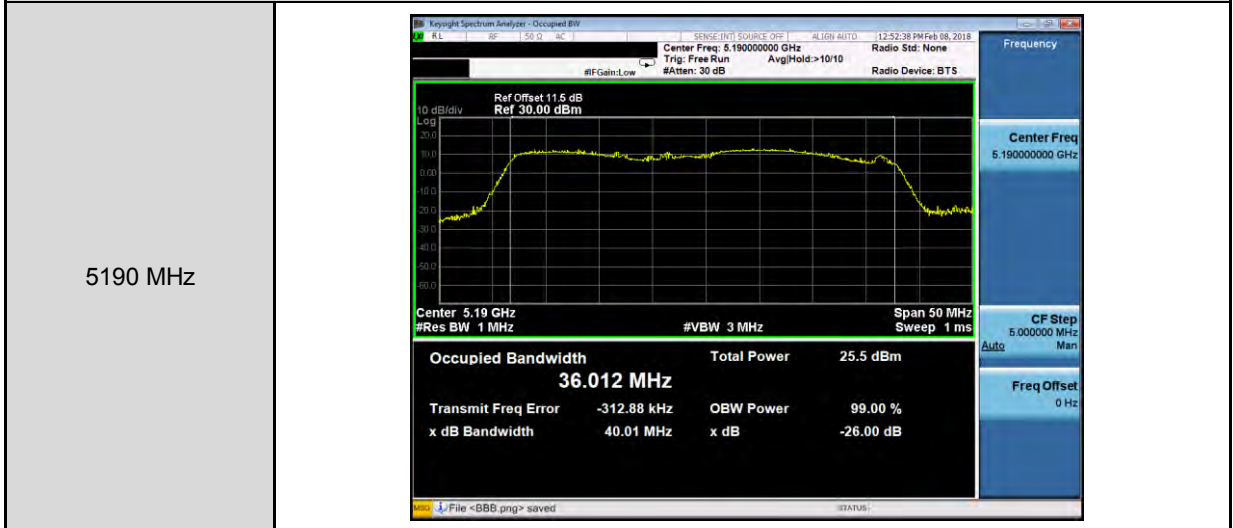
| Mode 2: IEEE 802.11a Continuous TX mode_ ANT-0 | | | | | | | | | | | | | | | | |
|--|--|--------------------|-------------|----------|-------------------|--|--|---------------------|-----------|---------|-------------|------|-----------|----------------|-----------|--|
| 5180 MHz | <p>Center Freq: 5.18000000 GHz</p> <p>Center 5.18 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 25 MHz</p> <p>Sweep 1 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>25.1 dBm</td> </tr> <tr> <td colspan="3" style="text-align: center;">16.478 MHz</td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-118.21 kHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td>22.53 MHz</td> <td></td> </tr> </table> | Occupied Bandwidth | Total Power | 25.1 dBm | 16.478 MHz | | | Transmit Freq Error | OBW Power | 99.00 % | -118.21 kHz | x dB | -26.00 dB | x dB Bandwidth | 22.53 MHz | |
| Occupied Bandwidth | Total Power | 25.1 dBm | | | | | | | | | | | | | | |
| 16.478 MHz | | | | | | | | | | | | | | | | |
| Transmit Freq Error | OBW Power | 99.00 % | | | | | | | | | | | | | | |
| -118.21 kHz | x dB | -26.00 dB | | | | | | | | | | | | | | |
| x dB Bandwidth | 22.53 MHz | | | | | | | | | | | | | | | |
| 5200 MHz | <p>Center Freq: 5.20000000 GHz</p> <p>Center 5.2 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 35 MHz</p> <p>Sweep 1 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>28.3 dBm</td> </tr> <tr> <td colspan="3" style="text-align: center;">17.348 MHz</td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-78.575 kHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td>32.35 MHz</td> <td></td> </tr> </table> | Occupied Bandwidth | Total Power | 28.3 dBm | 17.348 MHz | | | Transmit Freq Error | OBW Power | 99.00 % | -78.575 kHz | x dB | -26.00 dB | x dB Bandwidth | 32.35 MHz | |
| Occupied Bandwidth | Total Power | 28.3 dBm | | | | | | | | | | | | | | |
| 17.348 MHz | | | | | | | | | | | | | | | | |
| Transmit Freq Error | OBW Power | 99.00 % | | | | | | | | | | | | | | |
| -78.575 kHz | x dB | -26.00 dB | | | | | | | | | | | | | | |
| x dB Bandwidth | 32.35 MHz | | | | | | | | | | | | | | | |
| 5240 MHz | <p>Center Freq: 5.24000000 GHz</p> <p>Center 5.24 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 35 MHz</p> <p>Sweep 1 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>28.9 dBm</td> </tr> <tr> <td colspan="3" style="text-align: center;">17.301 MHz</td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-115.59 kHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td>32.32 MHz</td> <td></td> </tr> </table> | Occupied Bandwidth | Total Power | 28.9 dBm | 17.301 MHz | | | Transmit Freq Error | OBW Power | 99.00 % | -115.59 kHz | x dB | -26.00 dB | x dB Bandwidth | 32.32 MHz | |
| Occupied Bandwidth | Total Power | 28.9 dBm | | | | | | | | | | | | | | |
| 17.301 MHz | | | | | | | | | | | | | | | | |
| Transmit Freq Error | OBW Power | 99.00 % | | | | | | | | | | | | | | |
| -115.59 kHz | x dB | -26.00 dB | | | | | | | | | | | | | | |
| x dB Bandwidth | 32.32 MHz | | | | | | | | | | | | | | | |



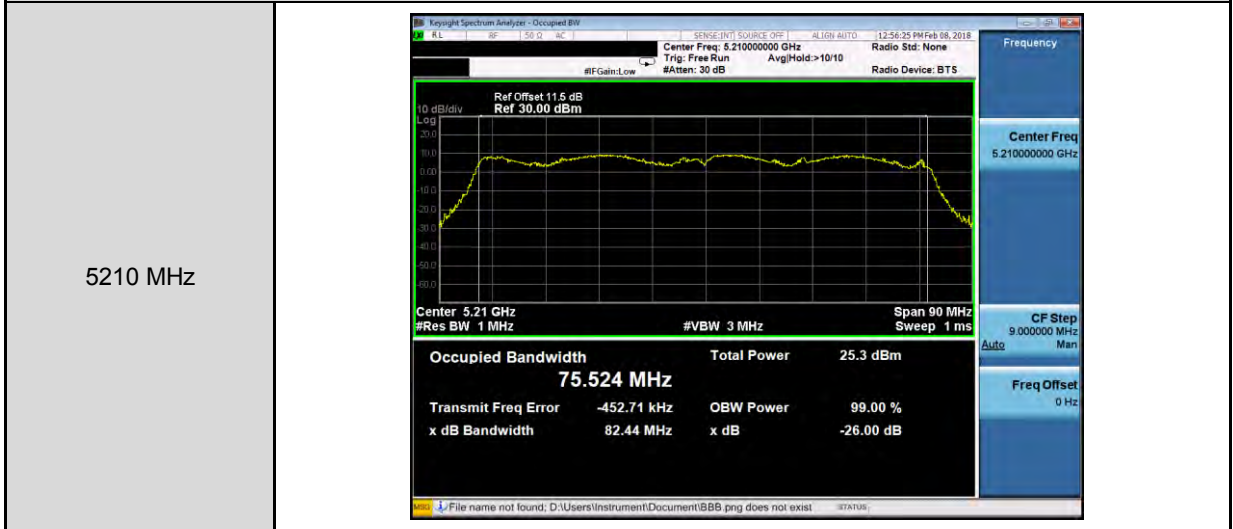
| Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ ANT-0 | | | | | | | | | | | | | | | | | | | |
|---|--|--------------------|-------------|----------|-------------------|--|--|---------------------|-----------|---------|-------------|--|--|----------------|------|-----------|-----------|--|--|
| 5180 MHz | <p>Center Freq: 5.18000000 GHz</p> <p>Center 5.18 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 25 MHz</p> <p>Sweep 1 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>26.9 dBm</td> </tr> <tr> <td>17.623 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-7.823 kHz</td> <td></td> <td></td> </tr> <tr> <td>x dB Bandwidth</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>23.04 MHz</td> <td></td> <td></td> </tr> </table> | Occupied Bandwidth | Total Power | 26.9 dBm | 17.623 MHz | | | Transmit Freq Error | OBW Power | 99.00 % | -7.823 kHz | | | x dB Bandwidth | x dB | -26.00 dB | 23.04 MHz | | |
| Occupied Bandwidth | Total Power | 26.9 dBm | | | | | | | | | | | | | | | | | |
| 17.623 MHz | | | | | | | | | | | | | | | | | | | |
| Transmit Freq Error | OBW Power | 99.00 % | | | | | | | | | | | | | | | | | |
| -7.823 kHz | | | | | | | | | | | | | | | | | | | |
| x dB Bandwidth | x dB | -26.00 dB | | | | | | | | | | | | | | | | | |
| 23.04 MHz | | | | | | | | | | | | | | | | | | | |
| 5200 MHz | <p>Center Freq: 5.20000000 GHz</p> <p>Center 5.2 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 45 MHz</p> <p>Sweep 1 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>29.3 dBm</td> </tr> <tr> <td>18.985 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-41.569 kHz</td> <td></td> <td></td> </tr> <tr> <td>x dB Bandwidth</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>40.65 MHz</td> <td></td> <td></td> </tr> </table> | Occupied Bandwidth | Total Power | 29.3 dBm | 18.985 MHz | | | Transmit Freq Error | OBW Power | 99.00 % | -41.569 kHz | | | x dB Bandwidth | x dB | -26.00 dB | 40.65 MHz | | |
| Occupied Bandwidth | Total Power | 29.3 dBm | | | | | | | | | | | | | | | | | |
| 18.985 MHz | | | | | | | | | | | | | | | | | | | |
| Transmit Freq Error | OBW Power | 99.00 % | | | | | | | | | | | | | | | | | |
| -41.569 kHz | | | | | | | | | | | | | | | | | | | |
| x dB Bandwidth | x dB | -26.00 dB | | | | | | | | | | | | | | | | | |
| 40.65 MHz | | | | | | | | | | | | | | | | | | | |
| 5240 MHz | <p>Center Freq: 5.24000000 GHz</p> <p>Center 5.24 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 40 MHz</p> <p>Sweep 1 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>29.0 dBm</td> </tr> <tr> <td>18.587 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>711 Hz</td> <td></td> <td></td> </tr> <tr> <td>x dB Bandwidth</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td>37.86 MHz</td> <td></td> <td></td> </tr> </table> | Occupied Bandwidth | Total Power | 29.0 dBm | 18.587 MHz | | | Transmit Freq Error | OBW Power | 99.00 % | 711 Hz | | | x dB Bandwidth | x dB | -26.00 dB | 37.86 MHz | | |
| Occupied Bandwidth | Total Power | 29.0 dBm | | | | | | | | | | | | | | | | | |
| 18.587 MHz | | | | | | | | | | | | | | | | | | | |
| Transmit Freq Error | OBW Power | 99.00 % | | | | | | | | | | | | | | | | | |
| 711 Hz | | | | | | | | | | | | | | | | | | | |
| x dB Bandwidth | x dB | -26.00 dB | | | | | | | | | | | | | | | | | |
| 37.86 MHz | | | | | | | | | | | | | | | | | | | |



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



Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ ANT-0





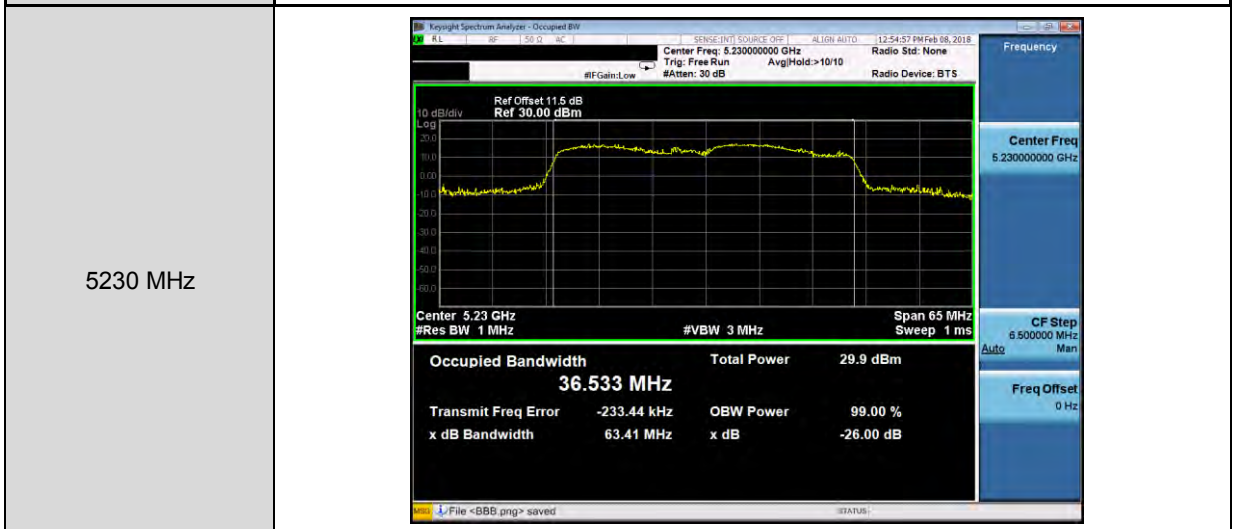
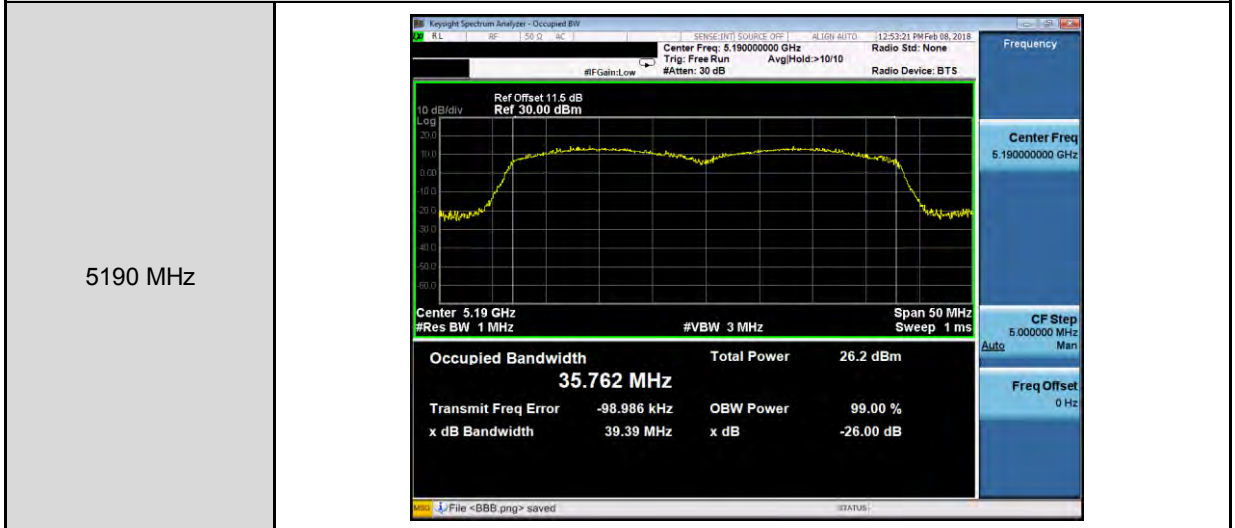
| Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1 | | | | | | | | | | | | | | | | | | | |
|--|---|--------------------|-------------|----------|-------------------|--|--|---------------------|-----------|---------|-------------|--|--|----------------|------|-----------|-----------|--|--|
| 5180 MHz | <p>Center Freq: 5.18000000 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 25 MHz Sweep: 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>27.6 dBm</td></tr><tr><td>16.595 MHz</td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-89.097 kHz</td><td></td><td></td></tr><tr><td>x dB Bandwidth</td><td>x dB</td><td>-26.00 dB</td></tr><tr><td>21.19 MHz</td><td></td><td></td></tr></table> | Occupied Bandwidth | Total Power | 27.6 dBm | 16.595 MHz | | | Transmit Freq Error | OBW Power | 99.00 % | -89.097 kHz | | | x dB Bandwidth | x dB | -26.00 dB | 21.19 MHz | | |
| Occupied Bandwidth | Total Power | 27.6 dBm | | | | | | | | | | | | | | | | | |
| 16.595 MHz | | | | | | | | | | | | | | | | | | | |
| Transmit Freq Error | OBW Power | 99.00 % | | | | | | | | | | | | | | | | | |
| -89.097 kHz | | | | | | | | | | | | | | | | | | | |
| x dB Bandwidth | x dB | -26.00 dB | | | | | | | | | | | | | | | | | |
| 21.19 MHz | | | | | | | | | | | | | | | | | | | |
| 5200 MHz | <p>Center Freq: 5.20000000 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 35 MHz Sweep: 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>29.2 dBm</td></tr><tr><td>17.041 MHz</td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-89.288 kHz</td><td></td><td></td></tr><tr><td>x dB Bandwidth</td><td>x dB</td><td>-26.00 dB</td></tr><tr><td>31.43 MHz</td><td></td><td></td></tr></table> | Occupied Bandwidth | Total Power | 29.2 dBm | 17.041 MHz | | | Transmit Freq Error | OBW Power | 99.00 % | -89.288 kHz | | | x dB Bandwidth | x dB | -26.00 dB | 31.43 MHz | | |
| Occupied Bandwidth | Total Power | 29.2 dBm | | | | | | | | | | | | | | | | | |
| 17.041 MHz | | | | | | | | | | | | | | | | | | | |
| Transmit Freq Error | OBW Power | 99.00 % | | | | | | | | | | | | | | | | | |
| -89.288 kHz | | | | | | | | | | | | | | | | | | | |
| x dB Bandwidth | x dB | -26.00 dB | | | | | | | | | | | | | | | | | |
| 31.43 MHz | | | | | | | | | | | | | | | | | | | |
| 5240 MHz | <p>Center Freq: 5.24000000 GHz #Res BW: 300 kHz #VBW: 1 MHz Span: 35 MHz Sweep: 1 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>28.5 dBm</td></tr><tr><td>16.866 MHz</td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-127.56 kHz</td><td></td><td></td></tr><tr><td>x dB Bandwidth</td><td>x dB</td><td>-26.00 dB</td></tr><tr><td>31.20 MHz</td><td></td><td></td></tr></table> | Occupied Bandwidth | Total Power | 28.5 dBm | 16.866 MHz | | | Transmit Freq Error | OBW Power | 99.00 % | -127.56 kHz | | | x dB Bandwidth | x dB | -26.00 dB | 31.20 MHz | | |
| Occupied Bandwidth | Total Power | 28.5 dBm | | | | | | | | | | | | | | | | | |
| 16.866 MHz | | | | | | | | | | | | | | | | | | | |
| Transmit Freq Error | OBW Power | 99.00 % | | | | | | | | | | | | | | | | | |
| -127.56 kHz | | | | | | | | | | | | | | | | | | | |
| x dB Bandwidth | x dB | -26.00 dB | | | | | | | | | | | | | | | | | |
| 31.20 MHz | | | | | | | | | | | | | | | | | | | |



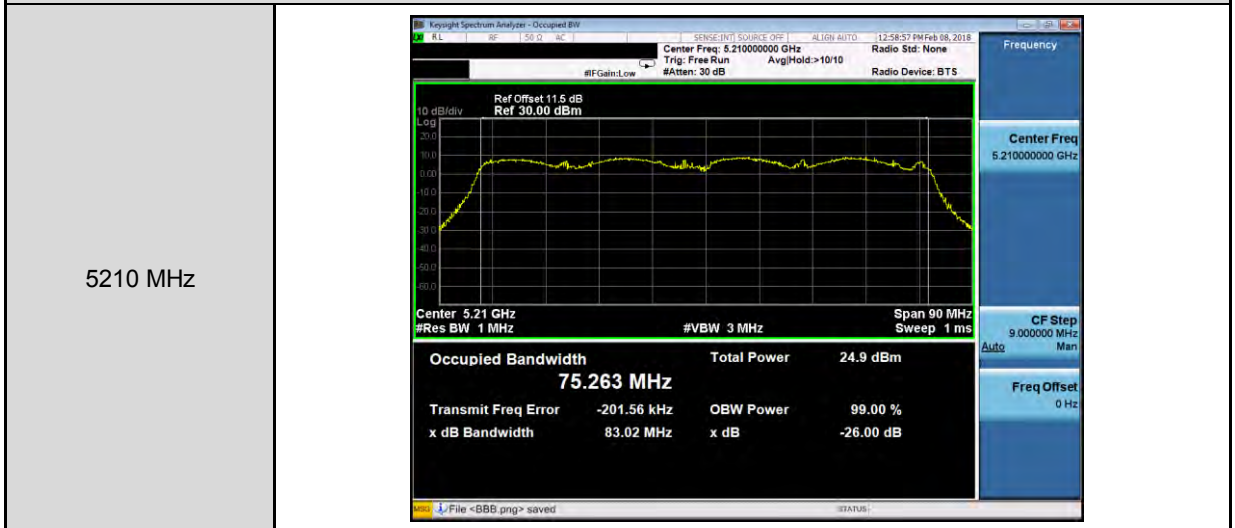
| Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ ANT-1 | | | | | | | | | | | | | | | | |
|---|--|--------------------|-------------|----------|-------------------|--|--|---------------------|-----------|---------|----------------|------|-----------|--|--|-----------|
| 5180 MHz | <p>Center Freq: 5.18000000 GHz</p> <p>Center 5.18 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 25 MHz</p> <p>Sweep 1 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>26.8 dBm</td> </tr> <tr> <td colspan="3" style="text-align: center;">17.878 MHz</td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td></td> <td></td> <td>22.61 MHz</td> </tr> </table> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Center Freq: 5.18000000 GHz</p> <p>CF Step 2.500000 MHz</p> <p>Freq Offset 0 Hz</p> | Occupied Bandwidth | Total Power | 26.8 dBm | 17.878 MHz | | | Transmit Freq Error | OBW Power | 99.00 % | x dB Bandwidth | x dB | -26.00 dB | | | 22.61 MHz |
| Occupied Bandwidth | Total Power | 26.8 dBm | | | | | | | | | | | | | | |
| 17.878 MHz | | | | | | | | | | | | | | | | |
| Transmit Freq Error | OBW Power | 99.00 % | | | | | | | | | | | | | | |
| x dB Bandwidth | x dB | -26.00 dB | | | | | | | | | | | | | | |
| | | 22.61 MHz | | | | | | | | | | | | | | |
| 5200 MHz | <p>Center Freq: 5.20000000 GHz</p> <p>Center 5.2 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 40 MHz</p> <p>Sweep 1 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>28.8 dBm</td> </tr> <tr> <td colspan="3" style="text-align: center;">18.608 MHz</td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td></td> <td></td> <td>36.74 MHz</td> </tr> </table> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Center Freq: 5.20000000 GHz</p> <p>CF Step 4.000000 MHz</p> <p>Freq Offset 0 Hz</p> | Occupied Bandwidth | Total Power | 28.8 dBm | 18.608 MHz | | | Transmit Freq Error | OBW Power | 99.00 % | x dB Bandwidth | x dB | -26.00 dB | | | 36.74 MHz |
| Occupied Bandwidth | Total Power | 28.8 dBm | | | | | | | | | | | | | | |
| 18.608 MHz | | | | | | | | | | | | | | | | |
| Transmit Freq Error | OBW Power | 99.00 % | | | | | | | | | | | | | | |
| x dB Bandwidth | x dB | -26.00 dB | | | | | | | | | | | | | | |
| | | 36.74 MHz | | | | | | | | | | | | | | |
| 5240 MHz | <p>Center Freq: 5.24000000 GHz</p> <p>Center 5.24 GHz</p> <p>#Res BW 300 kHz</p> <p>#VBW 1 MHz</p> <p>Span 40 MHz</p> <p>Sweep 1 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>30.2 dBm</td> </tr> <tr> <td colspan="3" style="text-align: center;">18.980 MHz</td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>x dB</td> <td>-26.00 dB</td> </tr> <tr> <td></td> <td></td> <td>36.23 MHz</td> </tr> </table> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Center Freq: 5.24000000 GHz</p> <p>CF Step 4.000000 MHz</p> <p>Freq Offset 0 Hz</p> | Occupied Bandwidth | Total Power | 30.2 dBm | 18.980 MHz | | | Transmit Freq Error | OBW Power | 99.00 % | x dB Bandwidth | x dB | -26.00 dB | | | 36.23 MHz |
| Occupied Bandwidth | Total Power | 30.2 dBm | | | | | | | | | | | | | | |
| 18.980 MHz | | | | | | | | | | | | | | | | |
| Transmit Freq Error | OBW Power | 99.00 % | | | | | | | | | | | | | | |
| x dB Bandwidth | x dB | -26.00 dB | | | | | | | | | | | | | | |
| | | 36.23 MHz | | | | | | | | | | | | | | |



Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ ANT-1



Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ ANT-1



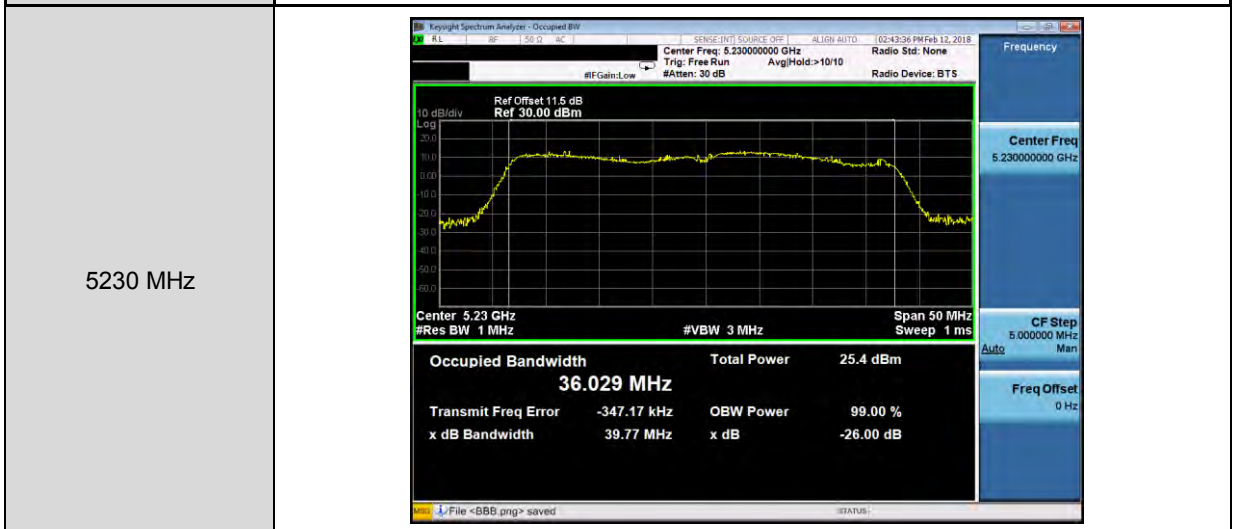
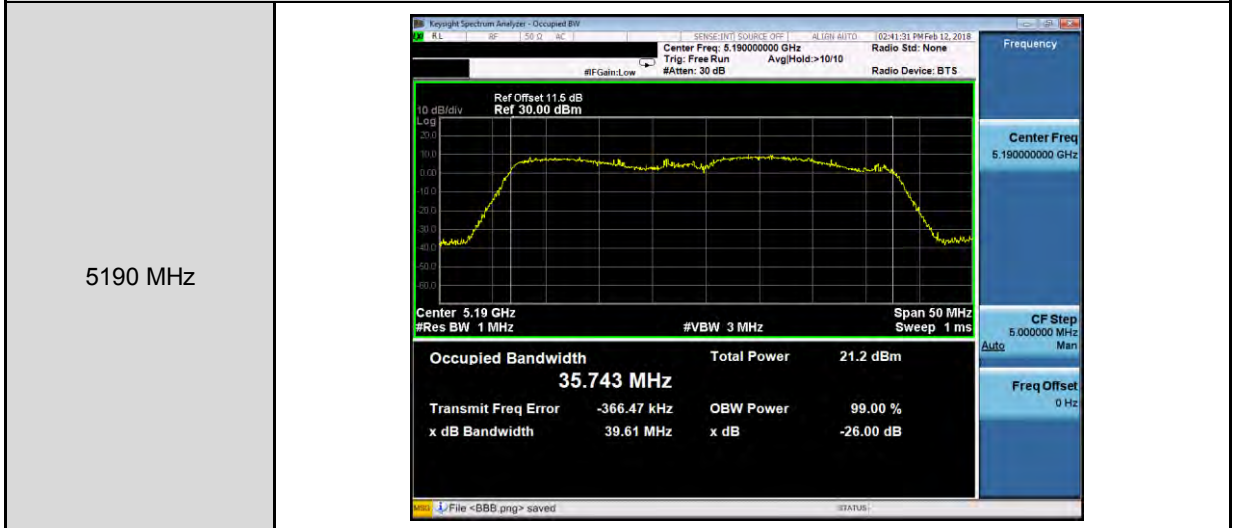
Beamforming on

Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ ANT-0

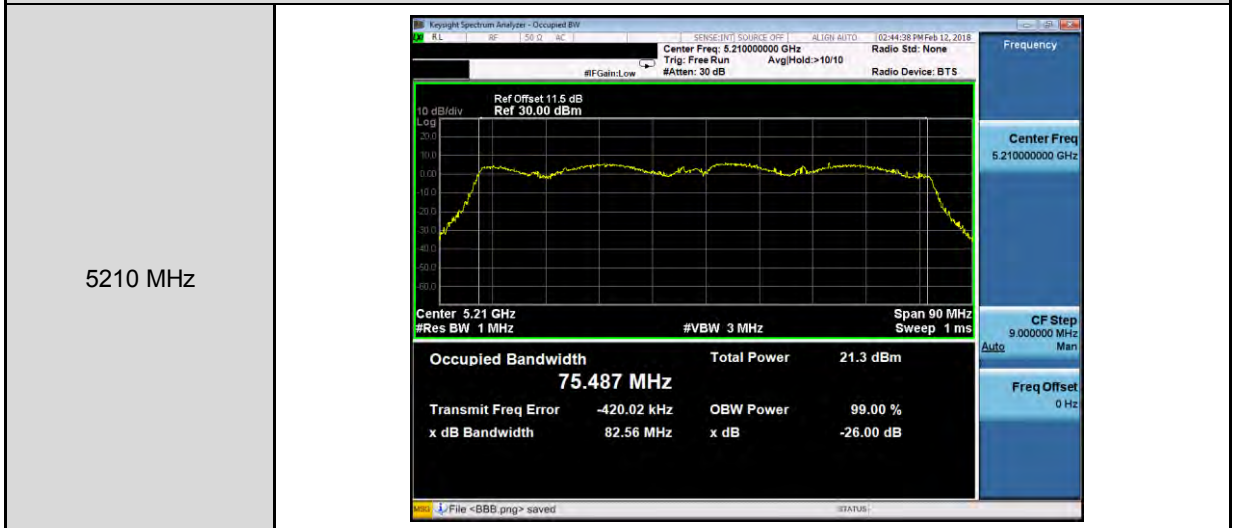
| | |
|----------|--|
| 5180 MHz | <p>Center Freq: 5.18000000 GHz</p> <p>Occupied Bandwidth: 17.523 MHz</p> <p>Total Power: 23.7 dBm</p> <p>Transmit Freq Error: -186 Hz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 19.84 MHz</p> <p>x dB: -26.00 dB</p> |
| 5200 MHz | <p>Center Freq: 5.20000000 GHz</p> <p>Occupied Bandwidth: 17.455 MHz</p> <p>Total Power: 24.7 dBm</p> <p>Transmit Freq Error: 16.510 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 19.74 MHz</p> <p>x dB: -26.00 dB</p> |
| 5240 MHz | <p>Center Freq: 5.24000000 GHz</p> <p>Occupied Bandwidth: 17.584 MHz</p> <p>Total Power: 24.2 dBm</p> <p>Transmit Freq Error: -30.865 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 20.08 MHz</p> <p>x dB: -26.00 dB</p> |



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



Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ ANT-0

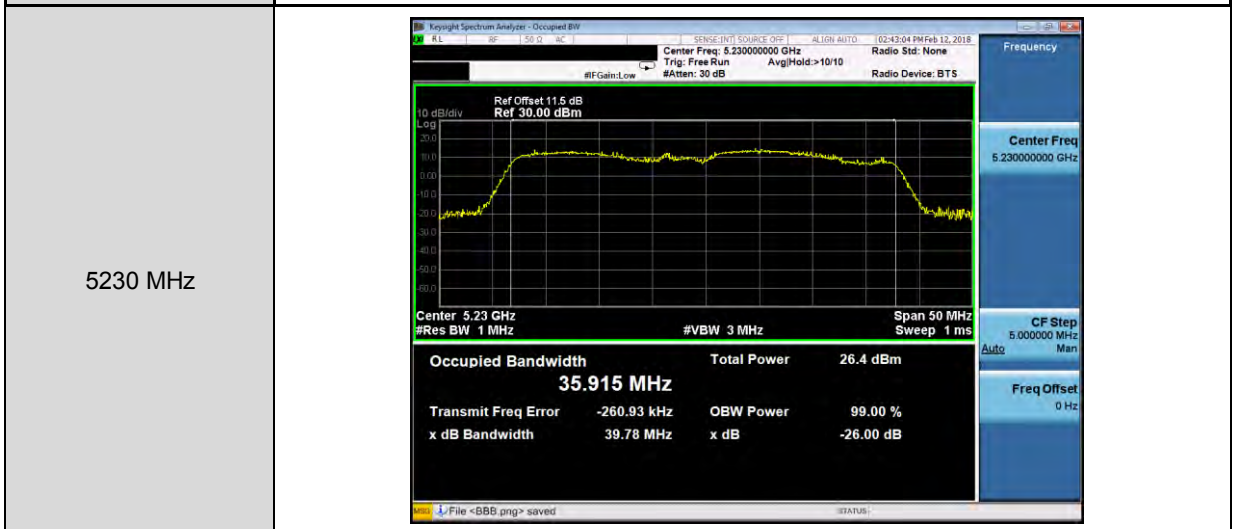
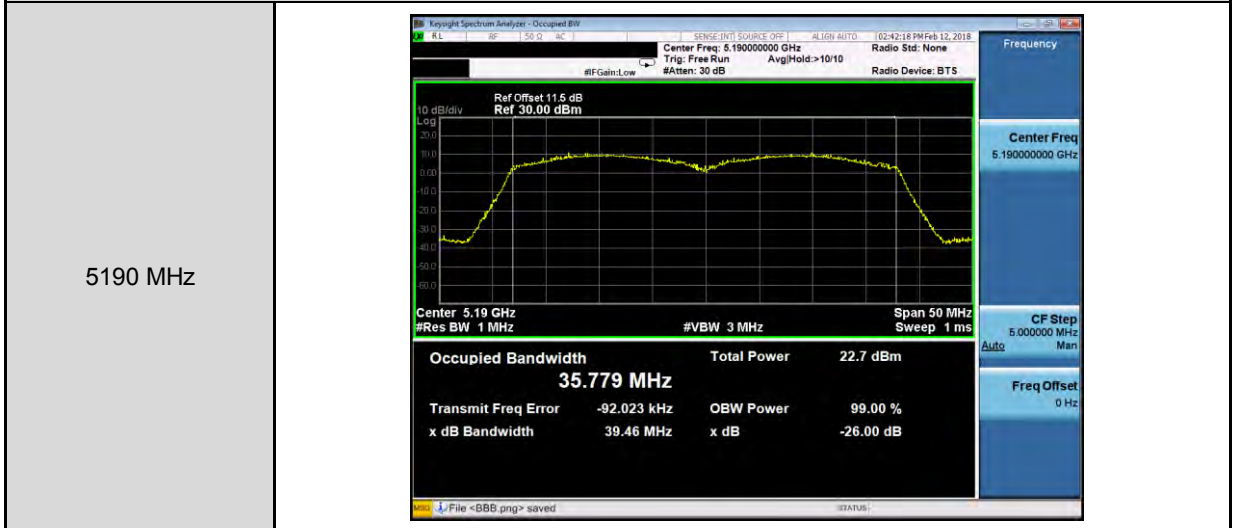




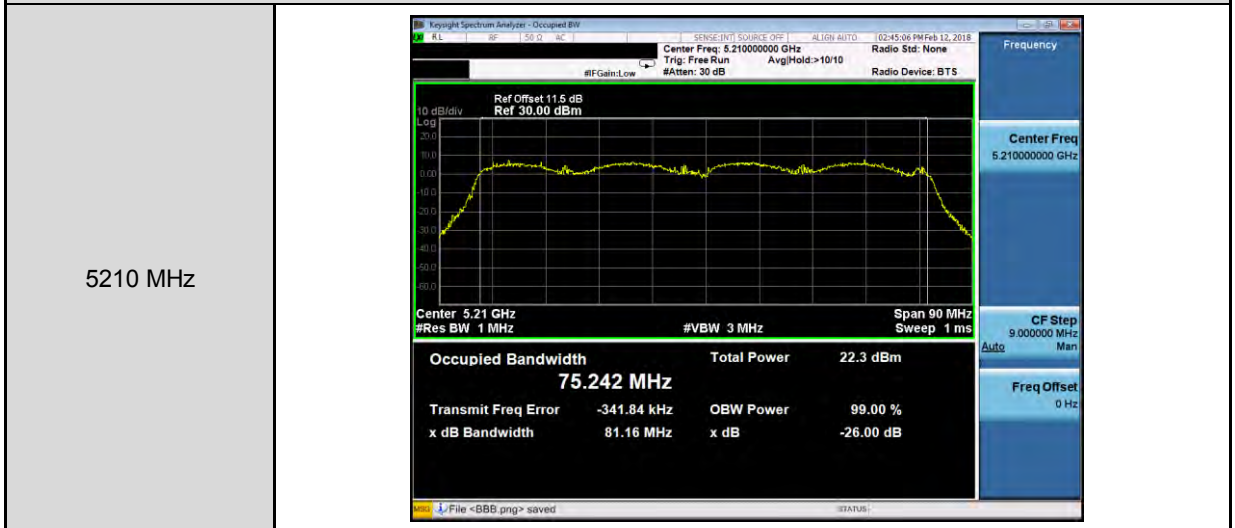
| Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ ANT-1 | |
|---|--|
| 5180 MHz | <p>Center Freq: 5.18000000 GHz</p> <p>Center 5.18 GHz</p> <p>Res BW 300 kHz</p> <p>Span 25 MHz</p> <p>VBW 1 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth: 17.791 MHz</p> <p>Total Power: 24.6 dBm</p> <p>Transmit Freq Error: -82.868 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 20.61 MHz</p> <p>x dB: -26.00 dB</p> |
| 5200 MHz | <p>Center Freq: 5.20000000 GHz</p> <p>Center 5.2 GHz</p> <p>Res BW 300 kHz</p> <p>Span 25 MHz</p> <p>VBW 1 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth: 17.729 MHz</p> <p>Total Power: 25.0 dBm</p> <p>Transmit Freq Error: -50.627 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 19.92 MHz</p> <p>x dB: -26.00 dB</p> |
| 5240 MHz | <p>Center Freq: 5.24000000 GHz</p> <p>Center 5.24 GHz</p> <p>Res BW 300 kHz</p> <p>Span 25 MHz</p> <p>VBW 1 MHz</p> <p>Sweep 1 ms</p> <p>Occupied Bandwidth: 17.586 MHz</p> <p>Total Power: 25.4 dBm</p> <p>Transmit Freq Error: -46.466 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 19.94 MHz</p> <p>x dB: -26.00 dB</p> |



Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ ANT-1



Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ ANT-1





6 dB RF Bandwidth Measurement

| Test Mode | Mode 2: IEEE 802.11a Continuous TX mode | | |
|-----------------|---|-------|-------------|
| Frequency (MHz) | ANT-0 | ANT-1 | Limit (kHz) |
| 5745 | 16320 | 16370 | ≥ 500 |
| 5785 | 15720 | 16340 | ≥ 500 |
| 5825 | 16320 | 15730 | ≥ 500 |

| Test Mode | Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode | | |
|-----------------|---|-------|-------------|
| Frequency (MHz) | ANT-0 | ANT-1 | Limit (kHz) |
| 5745 | 17160 | 17610 | ≥ 500 |
| 5785 | 17140 | 16940 | ≥ 500 |
| 5825 | 17580 | 16340 | ≥ 500 |

| Test Mode | Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode | | |
|-----------------|---|-------|-------------|
| Frequency (MHz) | ANT-0 | ANT-1 | Limit (kHz) |
| 5755 | 35740 | 35170 | ≥ 500 |
| 5795 | 35720 | 35670 | ≥ 500 |

| Test Mode | Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode | | |
|-----------------|---|-------|-------------|
| Frequency (MHz) | ANT-0 | ANT-1 | Limit (kHz) |
| 5775 | 75820 | 75790 | ≥ 500 |



Beamforming on

| Test Mode | Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode | | |
|-----------------|---|-------|-------------|
| Frequency (MHz) | ANT-0 | ANT-1 | Limit (kHz) |
| 5745 | 17180 | 17640 | ≥ 500 |
| 5785 | 17290 | 16900 | ≥ 500 |
| 5825 | 17600 | 17550 | ≥ 500 |

| Test Mode | Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode | | |
|-----------------|---|-------|-------------|
| Frequency (MHz) | ANT-0 | ANT-1 | Limit (kHz) |
| 5755 | 35690 | 33890 | ≥ 500 |
| 5795 | 35460 | 35740 | ≥ 500 |

| Test Mode | Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode | | |
|-----------------|---|-------|-------------|
| Frequency (MHz) | ANT-0 | ANT-1 | Limit (kHz) |
| 5775 | 75770 | 75500 | ≥ 500 |



■ Test Graphs

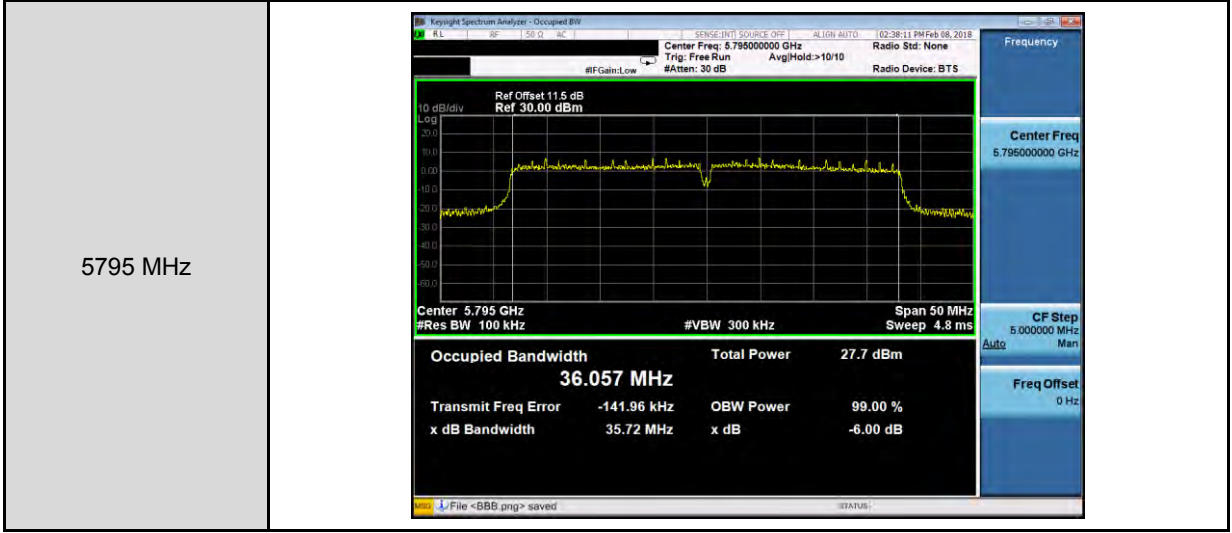
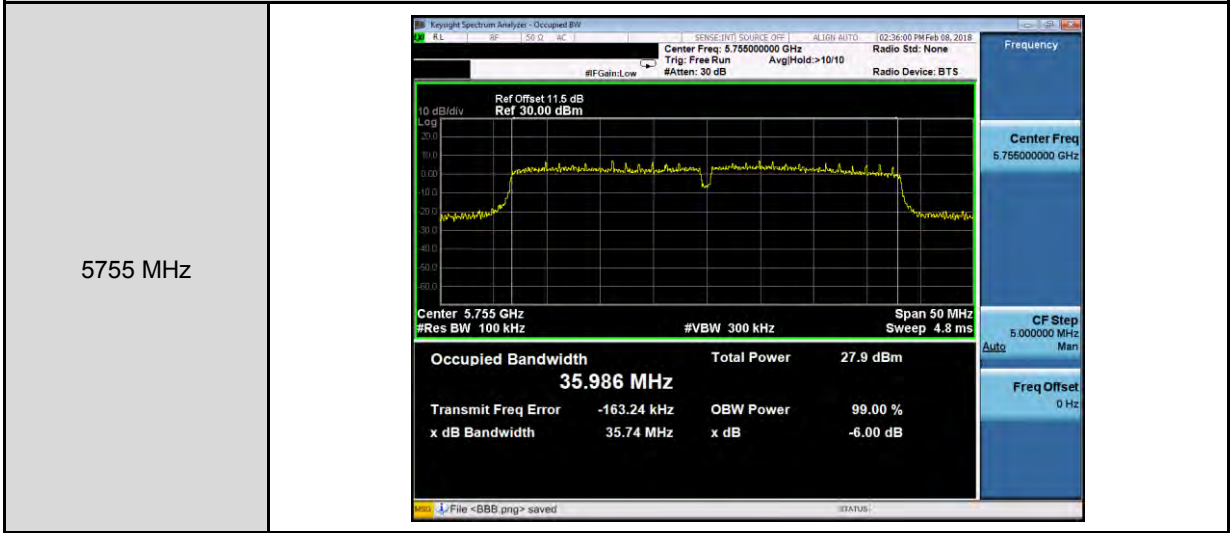
| Mode 2: IEEE 802.11a Continuous TX mode_ANT-0 | | | | | | | | | | | | | | | | | | | |
|---|--|--------------------|-------------|----------|------------|--|--|---------------------|-----------|---------|-------------|------|----------|----------------|--|--|-----------|--|--|
| 5745 MHz | <p>Center Freq: 5.745 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 30 MHz Sweep: 2.933 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>28.5 dBm</td></tr><tr><td>16.462 MHz</td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-97.546 kHz</td><td>x dB</td><td>-6.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>16.32 MHz</td><td></td><td></td></tr></table> | Occupied Bandwidth | Total Power | 28.5 dBm | 16.462 MHz | | | Transmit Freq Error | OBW Power | 99.00 % | -97.546 kHz | x dB | -6.00 dB | x dB Bandwidth | | | 16.32 MHz | | |
| Occupied Bandwidth | Total Power | 28.5 dBm | | | | | | | | | | | | | | | | | |
| 16.462 MHz | | | | | | | | | | | | | | | | | | | |
| Transmit Freq Error | OBW Power | 99.00 % | | | | | | | | | | | | | | | | | |
| -97.546 kHz | x dB | -6.00 dB | | | | | | | | | | | | | | | | | |
| x dB Bandwidth | | | | | | | | | | | | | | | | | | | |
| 16.32 MHz | | | | | | | | | | | | | | | | | | | |
| 5785 MHz | <p>Center Freq: 5.785 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 30 MHz Sweep: 2.933 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>28.0 dBm</td></tr><tr><td>16.451 MHz</td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-103.11 kHz</td><td>x dB</td><td>-6.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>15.72 MHz</td><td></td><td></td></tr></table> | Occupied Bandwidth | Total Power | 28.0 dBm | 16.451 MHz | | | Transmit Freq Error | OBW Power | 99.00 % | -103.11 kHz | x dB | -6.00 dB | x dB Bandwidth | | | 15.72 MHz | | |
| Occupied Bandwidth | Total Power | 28.0 dBm | | | | | | | | | | | | | | | | | |
| 16.451 MHz | | | | | | | | | | | | | | | | | | | |
| Transmit Freq Error | OBW Power | 99.00 % | | | | | | | | | | | | | | | | | |
| -103.11 kHz | x dB | -6.00 dB | | | | | | | | | | | | | | | | | |
| x dB Bandwidth | | | | | | | | | | | | | | | | | | | |
| 15.72 MHz | | | | | | | | | | | | | | | | | | | |
| 5825 MHz | <p>Center Freq: 5.825 GHz #Res BW: 100 kHz #VBW: 300 kHz Span: 30 MHz Sweep: 2.933 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>Total Power</td><td>27.5 dBm</td></tr><tr><td>16.450 MHz</td><td></td><td></td></tr><tr><td>Transmit Freq Error</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>-113.75 kHz</td><td>x dB</td><td>-6.00 dB</td></tr><tr><td>x dB Bandwidth</td><td></td><td></td></tr><tr><td>16.32 MHz</td><td></td><td></td></tr></table> | Occupied Bandwidth | Total Power | 27.5 dBm | 16.450 MHz | | | Transmit Freq Error | OBW Power | 99.00 % | -113.75 kHz | x dB | -6.00 dB | x dB Bandwidth | | | 16.32 MHz | | |
| Occupied Bandwidth | Total Power | 27.5 dBm | | | | | | | | | | | | | | | | | |
| 16.450 MHz | | | | | | | | | | | | | | | | | | | |
| Transmit Freq Error | OBW Power | 99.00 % | | | | | | | | | | | | | | | | | |
| -113.75 kHz | x dB | -6.00 dB | | | | | | | | | | | | | | | | | |
| x dB Bandwidth | | | | | | | | | | | | | | | | | | | |
| 16.32 MHz | | | | | | | | | | | | | | | | | | | |



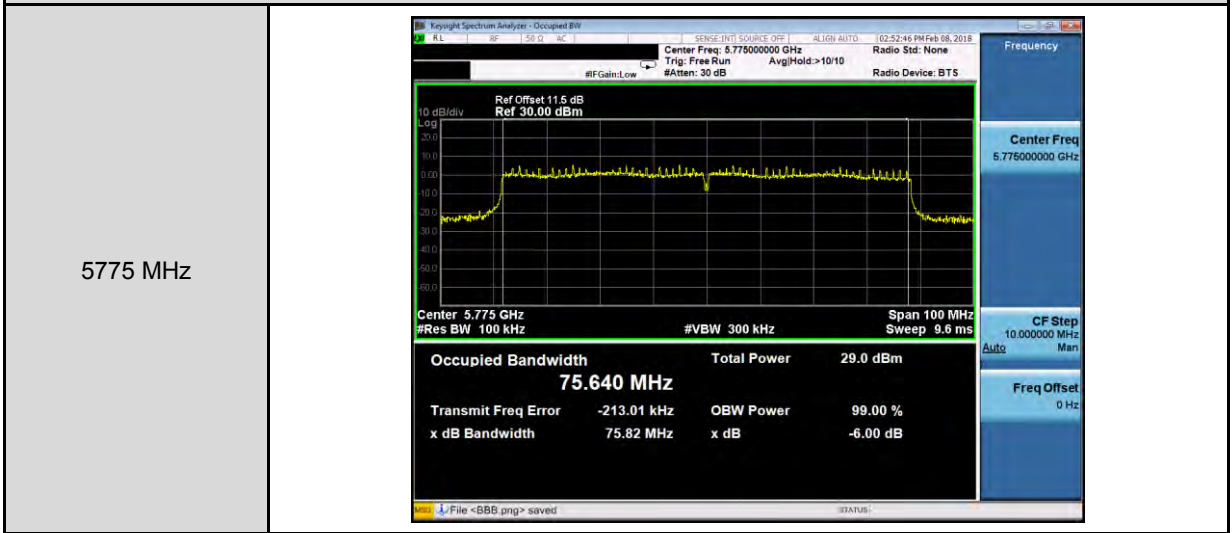
| Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-0 | |
|--|--|
| 5745 MHz | <p>Center Freq: 5.74500000 GHz</p> <p>Occupied Bandwidth: 17.790 MHz</p> <p>Total Power: 29.4 dBm</p> <p>Transmit Freq Error: -55.609 kHz</p> <p>x dB Bandwidth: 17.16 MHz</p> <p>OBW Power: 99.00 %</p> <p>x dB: -6.00 dB</p> |
| 5785 MHz | <p>Center Freq: 5.78500000 GHz</p> <p>Occupied Bandwidth: 17.773 MHz</p> <p>Total Power: 29.5 dBm</p> <p>Transmit Freq Error: -83.789 kHz</p> <p>x dB Bandwidth: 17.14 MHz</p> <p>OBW Power: 99.00 %</p> <p>x dB: -6.00 dB</p> |
| 5825 MHz | <p>Center Freq: 5.82500000 GHz</p> <p>Occupied Bandwidth: 17.837 MHz</p> <p>Total Power: 28.6 dBm</p> <p>Transmit Freq Error: -79.051 kHz</p> <p>x dB Bandwidth: 17.58 MHz</p> <p>OBW Power: 99.00 %</p> <p>x dB: -6.00 dB</p> |



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



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





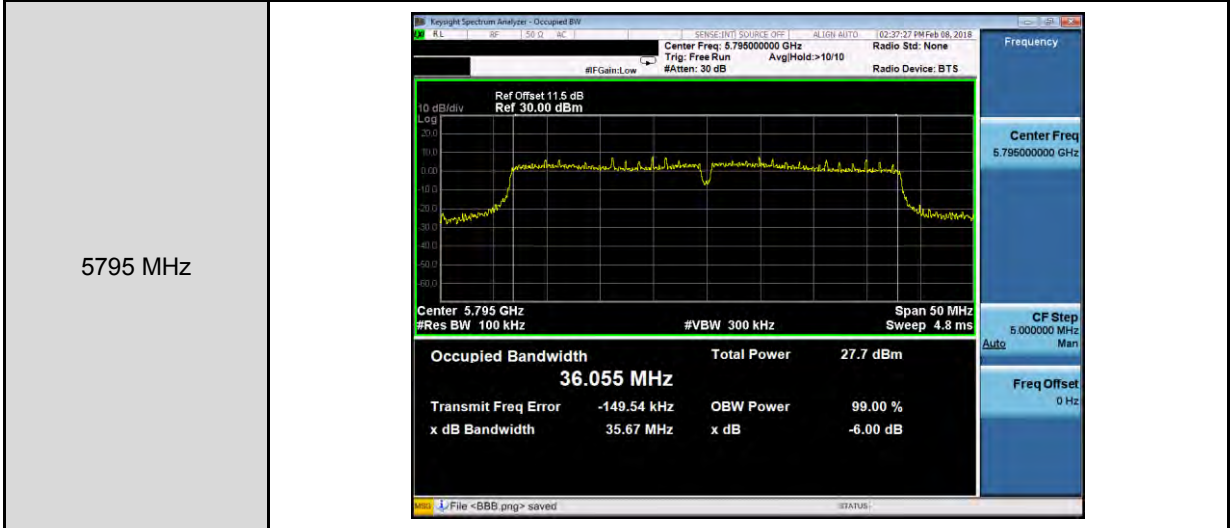
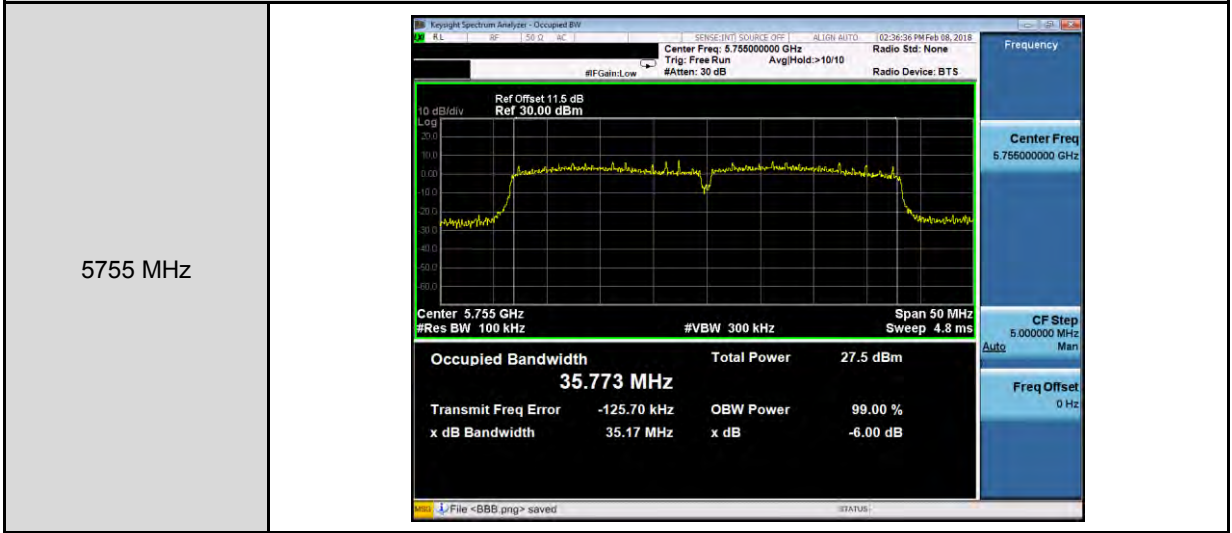
| Mode 2: IEEE 802.11a Continuous TX mode_ANT-1 | | | | | | | | | | | | | |
|---|--|--------------------|------------|-------------|----------|---------------------|-------------|-----------|---------|----------------|-----------|------|----------|
| 5745 MHz | <p>Center Freq: 5.74500000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>16.440 MHz</td><td>Total Power</td><td>28.2 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-94.399 kHz</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>16.37 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table> <p>File <BBB.png> saved</p> | Occupied Bandwidth | 16.440 MHz | Total Power | 28.2 dBm | Transmit Freq Error | -94.399 kHz | OBW Power | 99.00 % | x dB Bandwidth | 16.37 MHz | x dB | -6.00 dB |
| Occupied Bandwidth | 16.440 MHz | Total Power | 28.2 dBm | | | | | | | | | | |
| Transmit Freq Error | -94.399 kHz | OBW Power | 99.00 % | | | | | | | | | | |
| x dB Bandwidth | 16.37 MHz | x dB | -6.00 dB | | | | | | | | | | |
| 5785 MHz | <p>Center Freq: 5.785000000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>16.425 MHz</td><td>Total Power</td><td>28.2 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-116.38 kHz</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>16.34 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table> <p>File <BBB.png> saved</p> | Occupied Bandwidth | 16.425 MHz | Total Power | 28.2 dBm | Transmit Freq Error | -116.38 kHz | OBW Power | 99.00 % | x dB Bandwidth | 16.34 MHz | x dB | -6.00 dB |
| Occupied Bandwidth | 16.425 MHz | Total Power | 28.2 dBm | | | | | | | | | | |
| Transmit Freq Error | -116.38 kHz | OBW Power | 99.00 % | | | | | | | | | | |
| x dB Bandwidth | 16.34 MHz | x dB | -6.00 dB | | | | | | | | | | |
| 5825 MHz | <p>Center Freq: 5.825000000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>16.439 MHz</td><td>Total Power</td><td>28.0 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-106.13 kHz</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>15.73 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table> <p>File <BBB.png> saved</p> | Occupied Bandwidth | 16.439 MHz | Total Power | 28.0 dBm | Transmit Freq Error | -106.13 kHz | OBW Power | 99.00 % | x dB Bandwidth | 15.73 MHz | x dB | -6.00 dB |
| Occupied Bandwidth | 16.439 MHz | Total Power | 28.0 dBm | | | | | | | | | | |
| Transmit Freq Error | -106.13 kHz | OBW Power | 99.00 % | | | | | | | | | | |
| x dB Bandwidth | 15.73 MHz | x dB | -6.00 dB | | | | | | | | | | |



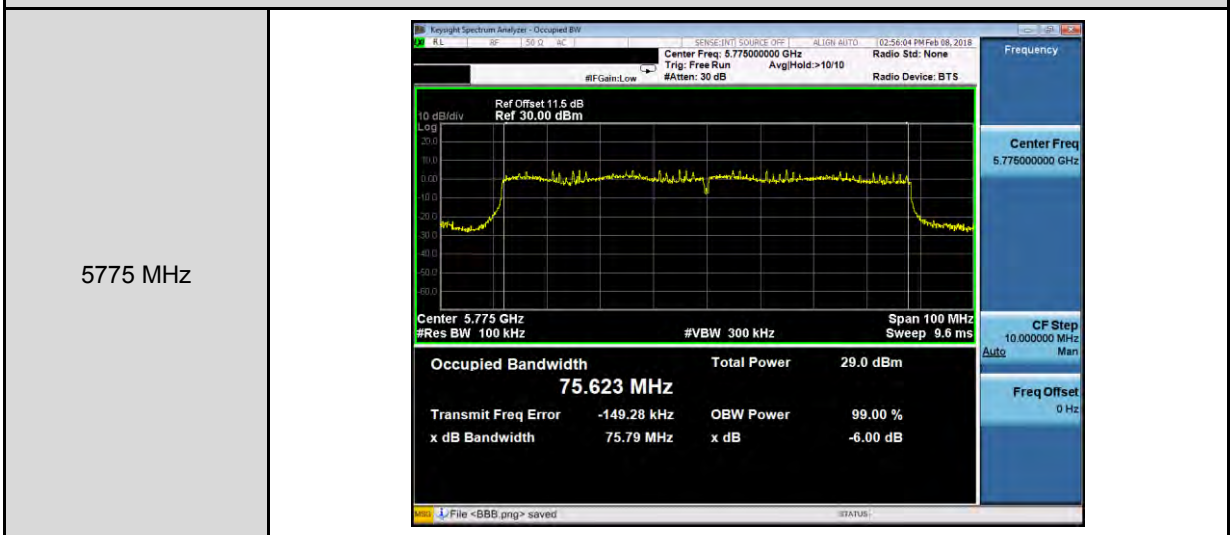
| Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-1 | | | | | | | | | | | | | |
|--|---|--------------------|------------|-------------|----------|---------------------|-------------|-----------|---------|----------------|-----------|------|----------|
| 5745 MHz | <p>Center Freq: 5.74500000 GHz Trig: Free Run #FGain: Low #Atten: 30 dB Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>17.758 MHz</td><td>Total Power</td><td>28.9 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-82.181 kHz</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>17.61 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table> <p>File <BBB.png> saved</p> | Occupied Bandwidth | 17.758 MHz | Total Power | 28.9 dBm | Transmit Freq Error | -82.181 kHz | OBW Power | 99.00 % | x dB Bandwidth | 17.61 MHz | x dB | -6.00 dB |
| Occupied Bandwidth | 17.758 MHz | Total Power | 28.9 dBm | | | | | | | | | | |
| Transmit Freq Error | -82.181 kHz | OBW Power | 99.00 % | | | | | | | | | | |
| x dB Bandwidth | 17.61 MHz | x dB | -6.00 dB | | | | | | | | | | |
| 5785 MHz | <p>Center Freq: 5.78500000 GHz Trig: Free Run #FGain: Low #Atten: 30 dB Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>17.643 MHz</td><td>Total Power</td><td>28.7 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-72.920 kHz</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>16.94 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table> <p>File <BBB.png> saved</p> | Occupied Bandwidth | 17.643 MHz | Total Power | 28.7 dBm | Transmit Freq Error | -72.920 kHz | OBW Power | 99.00 % | x dB Bandwidth | 16.94 MHz | x dB | -6.00 dB |
| Occupied Bandwidth | 17.643 MHz | Total Power | 28.7 dBm | | | | | | | | | | |
| Transmit Freq Error | -72.920 kHz | OBW Power | 99.00 % | | | | | | | | | | |
| x dB Bandwidth | 16.94 MHz | x dB | -6.00 dB | | | | | | | | | | |
| 5825 MHz | <p>Center Freq: 5.82500000 GHz Trig: Free Run #FGain: Low #Atten: 30 dB Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>17.644 MHz</td><td>Total Power</td><td>28.8 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-81.012 kHz</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>16.34 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table> <p>File <BBB.png> saved</p> | Occupied Bandwidth | 17.644 MHz | Total Power | 28.8 dBm | Transmit Freq Error | -81.012 kHz | OBW Power | 99.00 % | x dB Bandwidth | 16.34 MHz | x dB | -6.00 dB |
| Occupied Bandwidth | 17.644 MHz | Total Power | 28.8 dBm | | | | | | | | | | |
| Transmit Freq Error | -81.012 kHz | OBW Power | 99.00 % | | | | | | | | | | |
| x dB Bandwidth | 16.34 MHz | x dB | -6.00 dB | | | | | | | | | | |



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

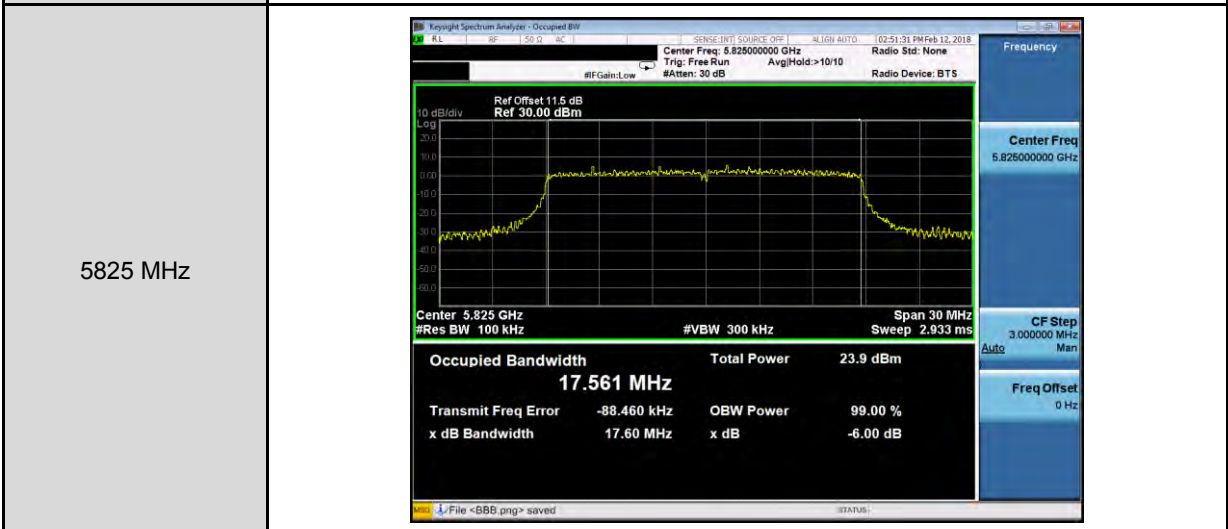
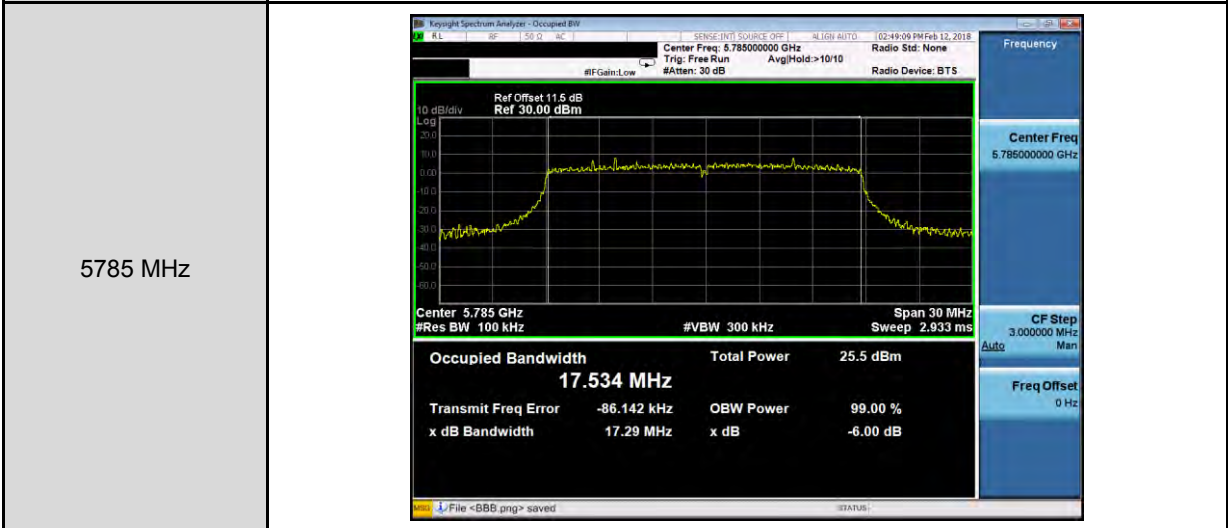
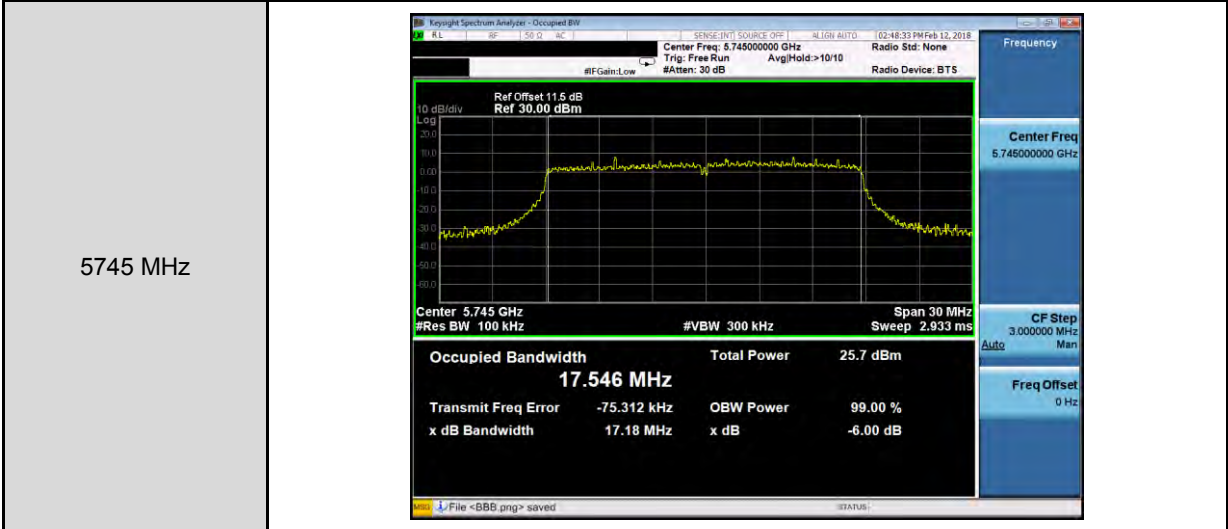


Mode 5: IEEE 802.11ac 80MHz Continuous TX mode_ANT-1



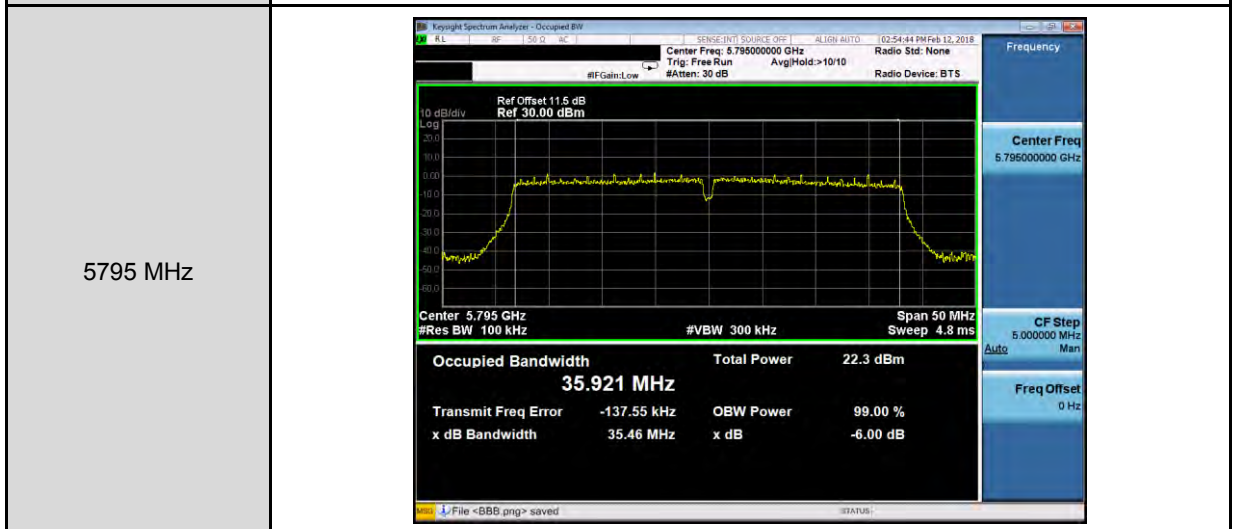
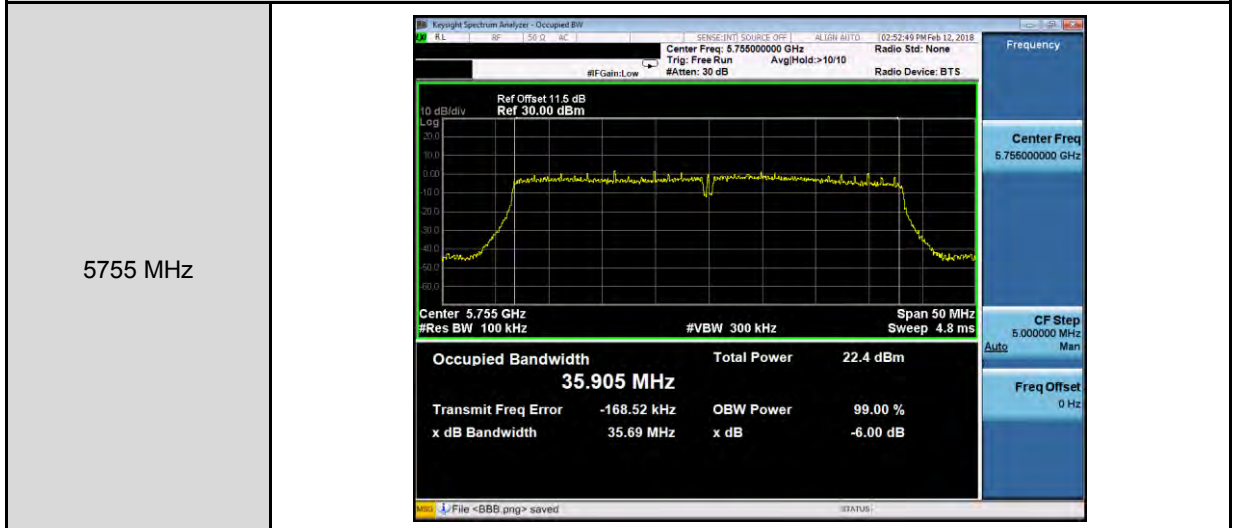
Beamforming on

Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-0

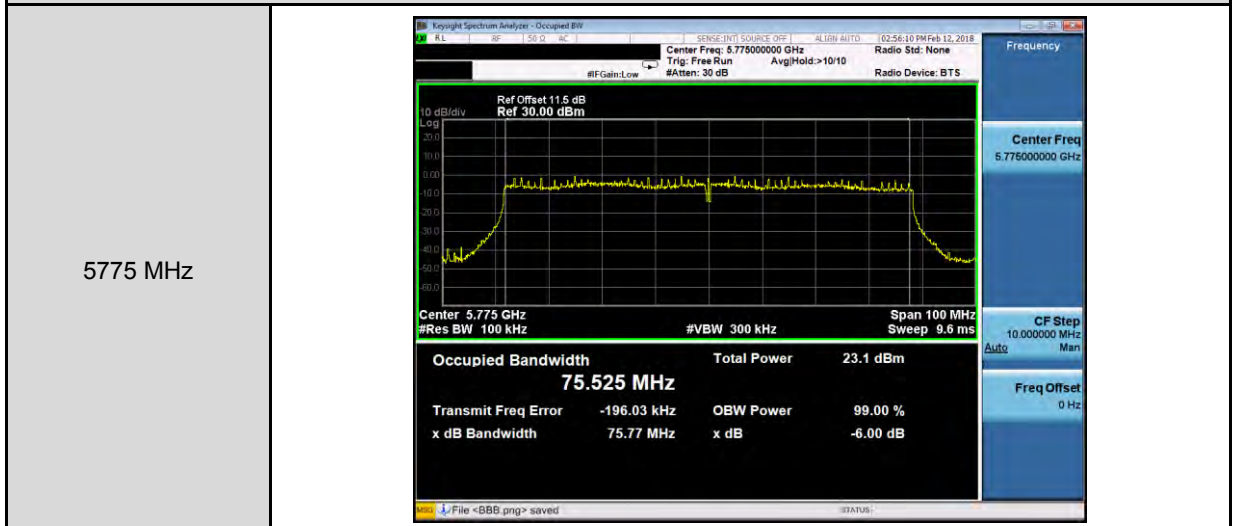




Mode 4: IEEE 802.11ac 40MHz Continuous TX mode_ANT-0



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

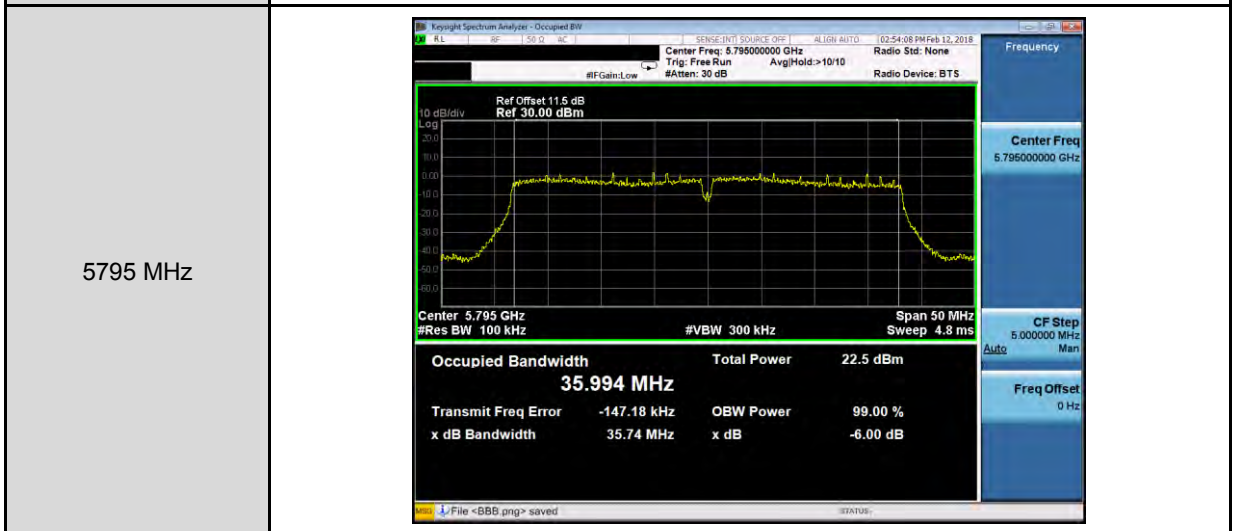
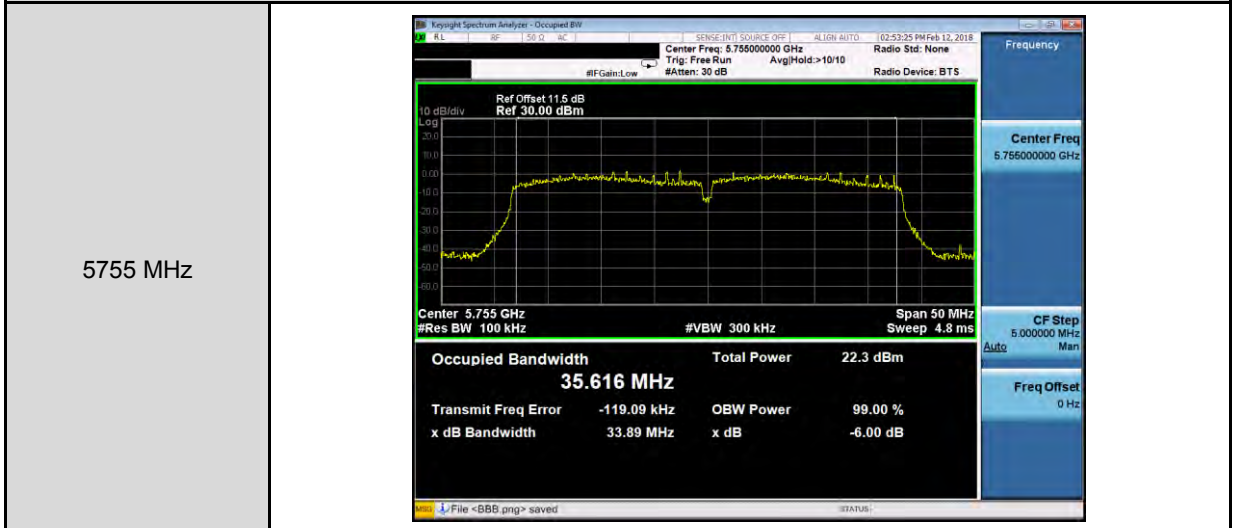




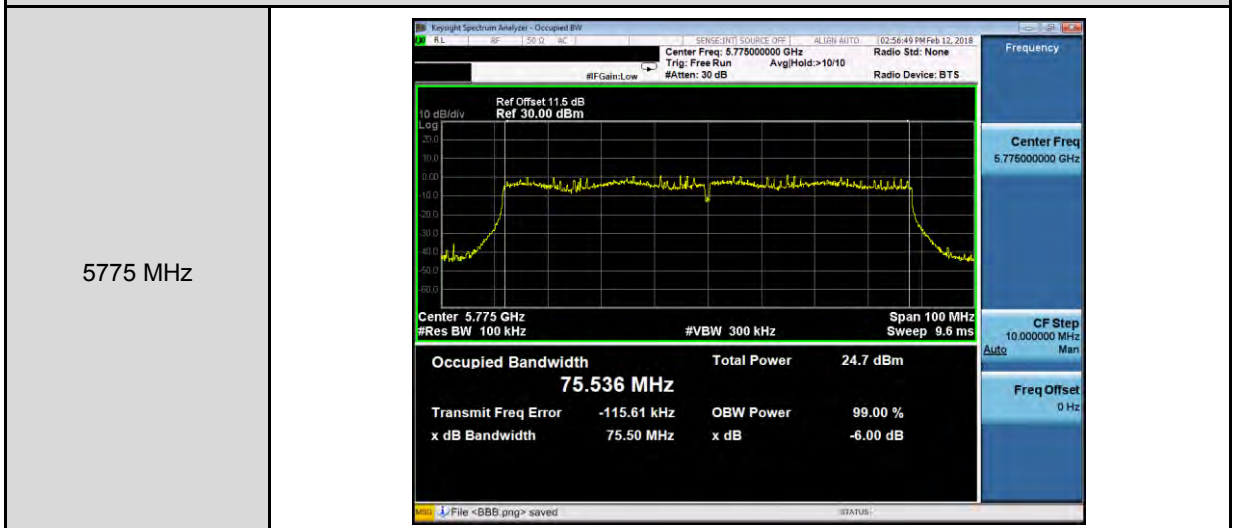
| Mode 3: IEEE 802.11ac 20MHz Continuous TX mode_ANT-1 | | | | | | | | | | | | | |
|--|---|--------------------|------------|-------------|----------|---------------------|-------------|-----------|---------|----------------|-----------|------|----------|
| 5745 MHz | <p>Center Freq: 5.74500000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>17.629 MHz</td><td>Total Power</td><td>25.4 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-80.997 kHz</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>17.64 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table> | Occupied Bandwidth | 17.629 MHz | Total Power | 25.4 dBm | Transmit Freq Error | -80.997 kHz | OBW Power | 99.00 % | x dB Bandwidth | 17.64 MHz | x dB | -6.00 dB |
| Occupied Bandwidth | 17.629 MHz | Total Power | 25.4 dBm | | | | | | | | | | |
| Transmit Freq Error | -80.997 kHz | OBW Power | 99.00 % | | | | | | | | | | |
| x dB Bandwidth | 17.64 MHz | x dB | -6.00 dB | | | | | | | | | | |
| 5785 MHz | <p>Center Freq: 5.78500000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Center 5.785 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>17.521 MHz</td><td>Total Power</td><td>25.4 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-75.381 kHz</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>16.90 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table> | Occupied Bandwidth | 17.521 MHz | Total Power | 25.4 dBm | Transmit Freq Error | -75.381 kHz | OBW Power | 99.00 % | x dB Bandwidth | 16.90 MHz | x dB | -6.00 dB |
| Occupied Bandwidth | 17.521 MHz | Total Power | 25.4 dBm | | | | | | | | | | |
| Transmit Freq Error | -75.381 kHz | OBW Power | 99.00 % | | | | | | | | | | |
| x dB Bandwidth | 16.90 MHz | x dB | -6.00 dB | | | | | | | | | | |
| 5825 MHz | <p>Center Freq: 5.82500000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 11.5 dB Ref 30.00 dBm</p> <p>Center 5.825 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <table border="1"><tr><td>Occupied Bandwidth</td><td>17.508 MHz</td><td>Total Power</td><td>25.1 dBm</td></tr><tr><td>Transmit Freq Error</td><td>-84.815 kHz</td><td>OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>17.55 MHz</td><td>x dB</td><td>-6.00 dB</td></tr></table> | Occupied Bandwidth | 17.508 MHz | Total Power | 25.1 dBm | Transmit Freq Error | -84.815 kHz | OBW Power | 99.00 % | x dB Bandwidth | 17.55 MHz | x dB | -6.00 dB |
| Occupied Bandwidth | 17.508 MHz | Total Power | 25.1 dBm | | | | | | | | | | |
| Transmit Freq Error | -84.815 kHz | OBW Power | 99.00 % | | | | | | | | | | |
| x dB Bandwidth | 17.55 MHz | x dB | -6.00 dB | | | | | | | | | | |



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



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





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 | 10.281 | 0.105 | 10.386 | < 15.05 |
| 5200 | 11.434 | 0.105 | 11.539 | |
| 5240 | 10.894 | 0.105 | 10.999 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5180 | 10.677 | 0.105 | 10.782 | < 15.05 |
| 5200 | 11.620 | 0.105 | 11.725 | |
| 5240 | 11.785 | 0.105 | 11.890 | |
| Frequency (MHz) | ANT-0+1 | | | Limit (dBm/MHz) |
| | Calculated (dBm/MHz) | | | |
| 5180 | 13.598 | | | < 15.05 |
| 5200 | 14.643 | | | |
| 5240 | 14.477 | | | |

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 | 2.38 | 0.105 | 9.47 | < 27.74 |
| 5785 | 1.81 | 0.105 | 8.91 | |
| 5825 | 1.78 | 0.105 | 8.88 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5745 | 2.04 | 0.105 | 9.14 | < 27.74 |
| 5785 | 2.22 | 0.105 | 9.32 | |
| 5825 | 1.94 | 0.105 | 9.04 | |
| Frequency (MHz) | ANT-0+1 | | | Limit (dBm/500KHz) |
| | Calculated (dBm/500KHz) | | | |
| 5745 | 12.32 | | | < 27.74 |
| 5785 | 12.13 | | | |
| 5825 | 11.97 | | | |

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 | 10.366 | 0.039 | 10.405 | < 15.05 |
| 5200 | 11.507 | 0.039 | 11.546 | |
| 5240 | 10.601 | 0.039 | 10.640 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5180 | 9.832 | 0.039 | 9.871 | < 15.05 |
| 5200 | 11.813 | 0.039 | 11.852 | |
| 5240 | 11.567 | 0.039 | 11.606 | |
| Frequency (MHz) | ANT-0+1 | | | Limit (dBm/MHz) |
| | | Calculated (dBm/MHz) | | |
| 5180 | 13.156 | | < 15.05 | |
| 5200 | 14.712 | | | |
| 5240 | 14.160 | | | |

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 | 2.69 | 0.039 | 9.72 | < 27.74 |
| 5785 | 2.61 | 0.039 | 9.64 | |
| 5825 | 1.90 | 0.039 | 8.93 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5745 | 2.66 | 0.039 | 9.69 | < 27.74 |
| 5785 | 2.64 | 0.039 | 9.67 | |
| 5825 | 2.49 | 0.039 | 9.52 | |
| Frequency (MHz) | ANT-0+1 | | | Limit (dBm/500KHz) |
| | Calculated (dBm/500KHz) | | | |
| 5745 | 12.71 | | | < 27.74 |
| 5785 | 12.67 | | | |
| 5825 | 12.25 | | | |

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 | 4.973 | 0.106 | 5.079 | < 15.05 |
| 5230 | 8.255 | 0.106 | 8.361 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5190 | 5.355 | 0.106 | 5.461 | < 15.05 |
| 5230 | 8.856 | 0.106 | 8.962 | |
| Frequency (MHz) | ANT-0+1 | | | Limit (dBm/MHz) |
| | Calculated (dBm/MHz) | | | |
| 5190 | 8.284 | | | < 15.05 |
| 5230 | 11.682 | | | |

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 | -1.39 | 0.106 | 5.71 | < 27.74 |
| 5795 | -1.59 | 0.106 | 5.51 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5755 | -1.70 | 0.106 | 5.39 | < 27.74 |
| 5795 | -1.56 | 0.106 | 5.54 | |
| Frequency (MHz) | ANT-0+1 | | | Limit (dBm/500KHz) |
| | Calculated (dBm/500KHz) | | | |
| 5755 | 8.56 | | | < 27.74 |
| 5795 | 8.53 | | | |

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 | 1.527 | 0.240 | 1.767 | < 15.05 |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5210 | 1.678 | 0.240 | 1.918 | < 15.05 |
| Frequency (MHz) | ANT-0+1 | | | Limit (dBm/MHz) |
| | Calculated (dBm/MHz) | | | Limit (dBm/MHz) |
| 5210 | 4.853 | | | < 15.05 |

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 | -4.45 | 0.240 | 2.78 | < 27.74 |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5775 | -4.46 | 0.240 | 2.77 | < 27.74 |
| Frequency (MHz) | ANT-0+1 | | | Limit (dBm/500KHz) |
| | Calculated (dBm/500KHz) | | | Limit (dBm/500KHz) |
| 5775 | 5.79 | | | < 27.74 |

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 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 | 6.709 | 0.039 | 6.748 |
| | 5200 | 7.790 | 0.039 | 7.829 |
| 5240 | 7.187 | 0.039 | 7.226 | < 15.05 |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| | 5180 | 6.752 | 0.039 | 6.791 |
| | 5200 | 8.159 | 0.039 | 8.198 |
| 5240 | 8.269 | 0.039 | 8.308 | < 15.05 |
| Frequency (MHz) | ANT-0+1 | | | Limit (dBm/MHz) |
| | Calculated (dBm/MHz) | | | |
| | 5180 | 9.780 | | |
| | 5200 | 11.028 | | |
| 5240 | 10.811 | | < 15.05 | |

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 | -1.12 | 0.039 | 5.91 | < 27.74 |
| 5785 | -1.15 | 0.039 | 5.88 | |
| 5825 | -1.49 | 0.039 | 5.54 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5745 | -0.86 | 0.039 | 6.17 | < 27.74 |
| 5785 | -0.57 | 0.039 | 6.46 | |
| 5825 | -1.06 | 0.039 | 5.97 | |
| Frequency (MHz) | ANT-0+1 | | | Limit (dBm/500KHz) |
| | Calculated (dBm/500KHz) | | | |
| 5745 | 9.05 | | | < 27.74 |
| 5785 | 9.19 | | | |
| 5825 | 8.77 | | | |

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 | 1.737 | 0.106 | 1.843 | < 15.05 |
| 5230 | 4.620 | 0.106 | 4.726 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5190 | 2.279 | 0.106 | 2.385 | < 15.05 |
| 5230 | 5.529 | 0.106 | 5.635 | |
| Frequency (MHz) | ANT-0+1 | | | Limit (dBm/MHz) |
| | Calculated (dBm/MHz) | | | < 15.05 |
| 5190 | 5.133 | | | |
| 5230 | 8.214 | | | |

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 | -4.26 | 0.106 | 2.84 | < 27.74 |
| 5795 | -4.51 | 0.106 | 2.59 | |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5755 | -4.61 | 0.106 | 2.49 | < 27.74 |
| 5795 | -4.76 | 0.106 | 2.34 | |
| Frequency (MHz) | ANT-0+1 | | | Limit (dBm/500KHz) |
| | Calculated (dBm/500KHz) | | | < 27.74 |
| 5755 | 5.68 | | | |
| 5795 | 5.48 | | | |

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 | -2.180 | 0.240 | -1.940 | < 15.05 |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/MHz) | Duty Factor (dB) | Calculated (dBm/MHz) | Limit (dBm/MHz) |
| 5210 | -1.842 | 0.240 | -1.602 | < 15.05 |
| Frequency (MHz) | ANT-0+1 | | | Limit (dBm/MHz) |
| | Calculated (dBm/MHz) | | | Limit (dBm/MHz) |
| 5210 | -3.482 | | | < 15.05 |

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

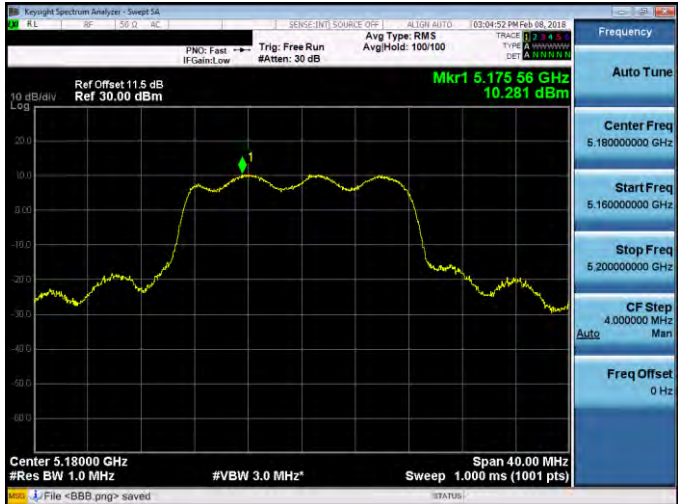


| Test Mode | Mode 5: IEEE 802.11ac 80MHz Continuous TX mode | | | |
|-----------------|--|------------------|-------------------------|--------------------|
| Frequency (MHz) | ANT-0 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5775 | -7.65 | 0.240 | -0.42 | < 27.74 |
| Frequency (MHz) | ANT-1 | | | |
| | Measurement (dBm/100KHz) | Duty Factor (dB) | Calculated (dBm/500KHz) | Limit (dBm/500KHz) |
| 5775 | -7.58 | 0.240 | -0.35 | < 27.74 |
| Frequency (MHz) | ANT-0+1 | | | Limit (dBm/500KHz) |
| | Calculated (dBm/500KHz) | | | Limit (dBm/500KHz) |
| 5775 | 2.62 | | | < 27.74 |

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

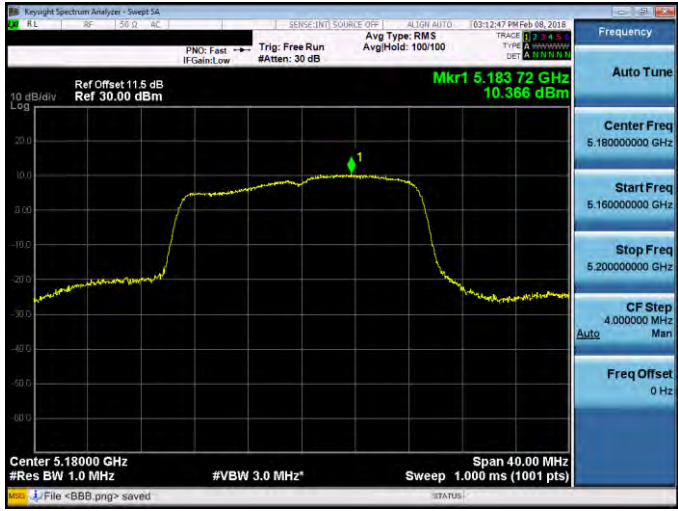
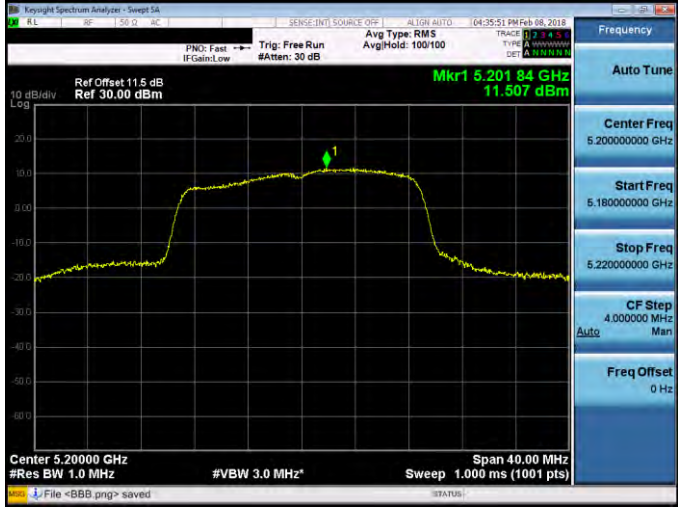
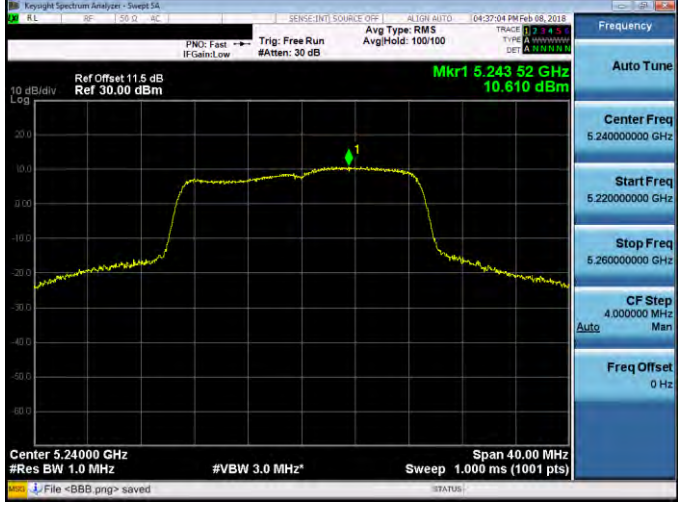
Conversion ratio = 10*Log(500k/100k)



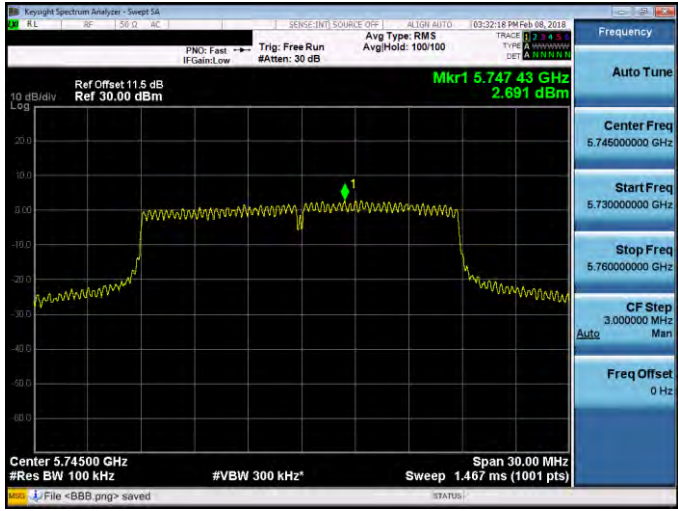
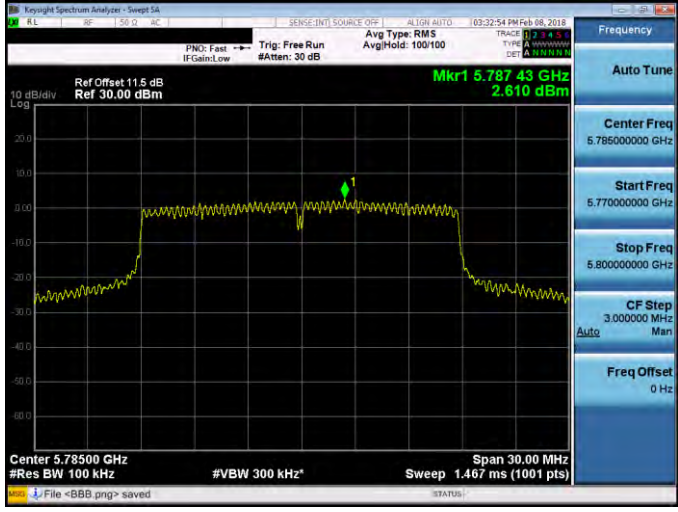
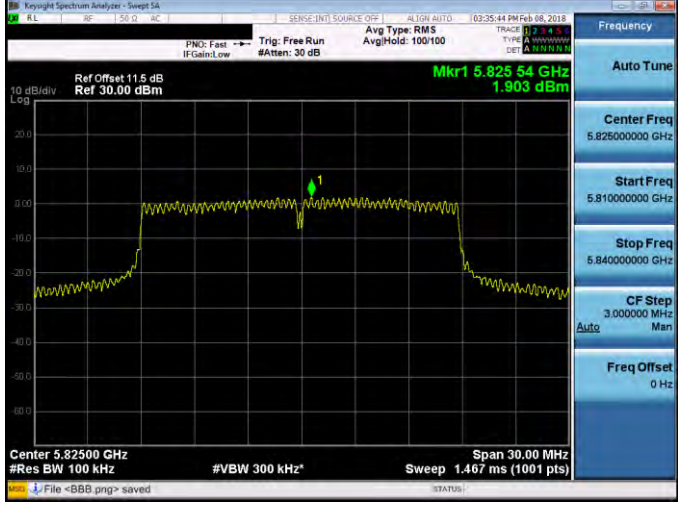
■ Test Graphs

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

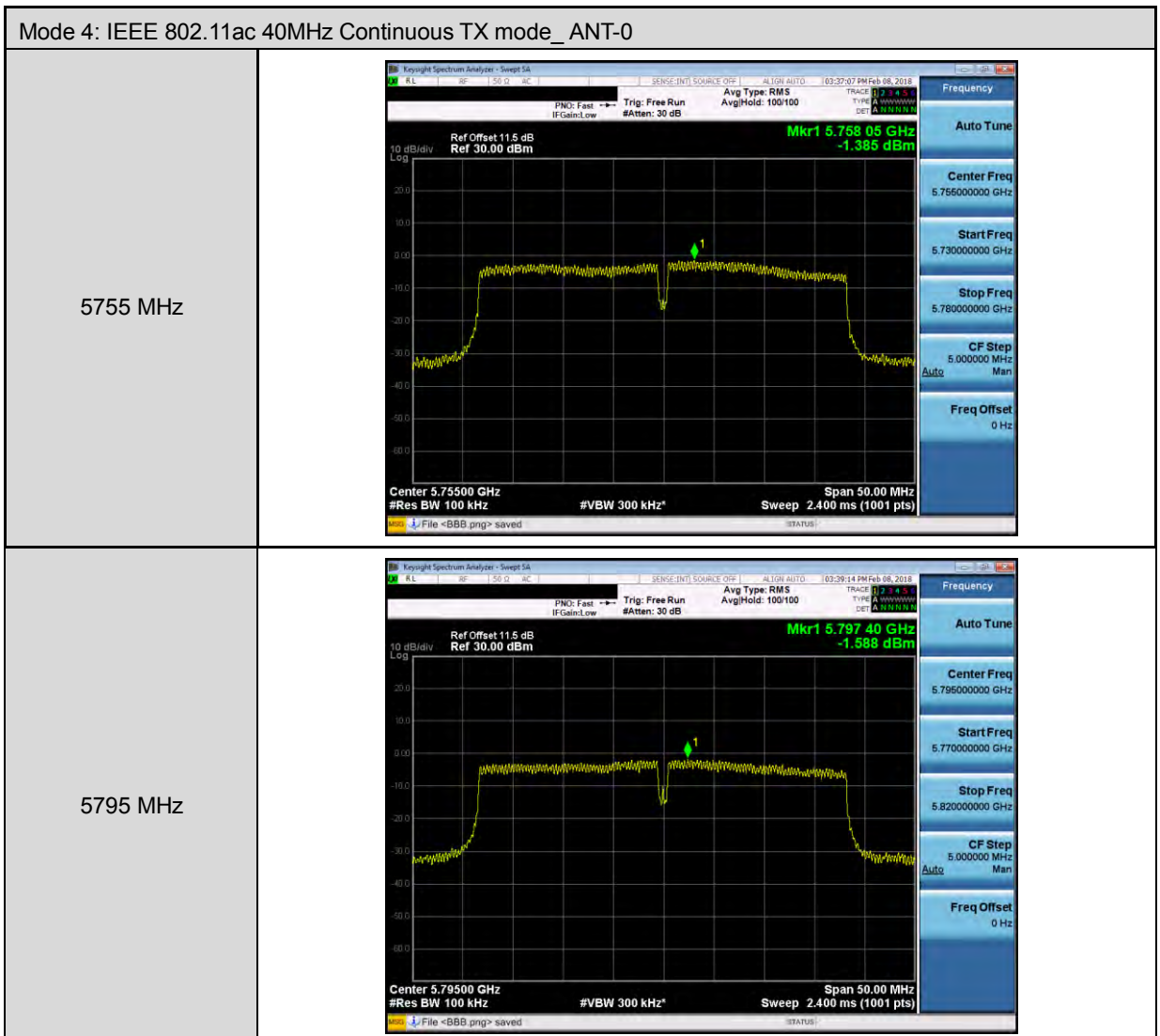


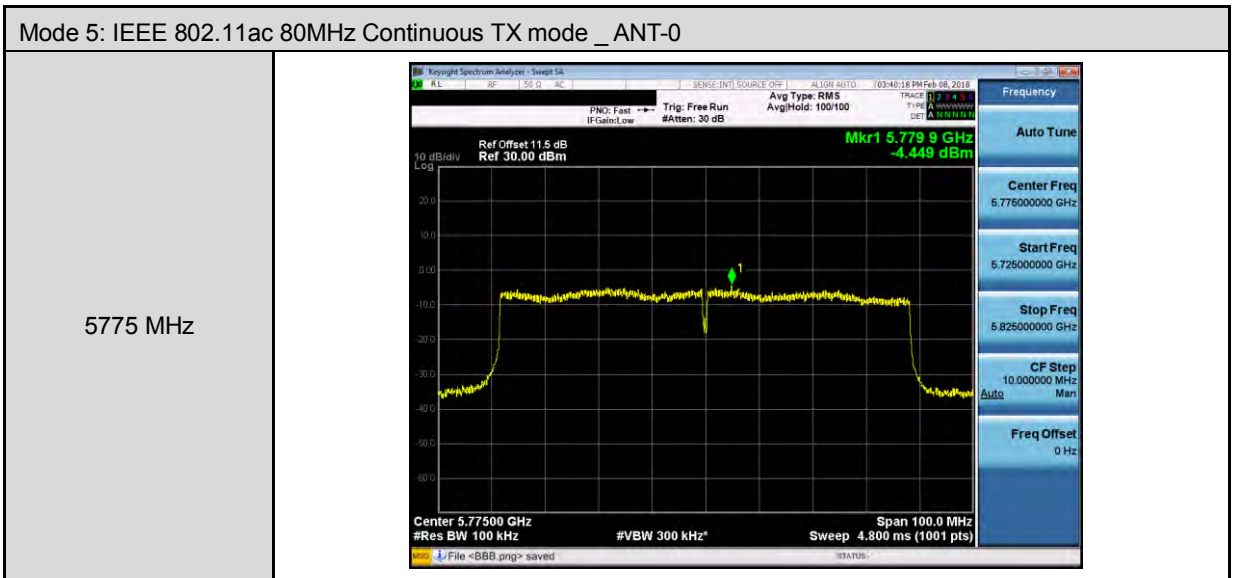
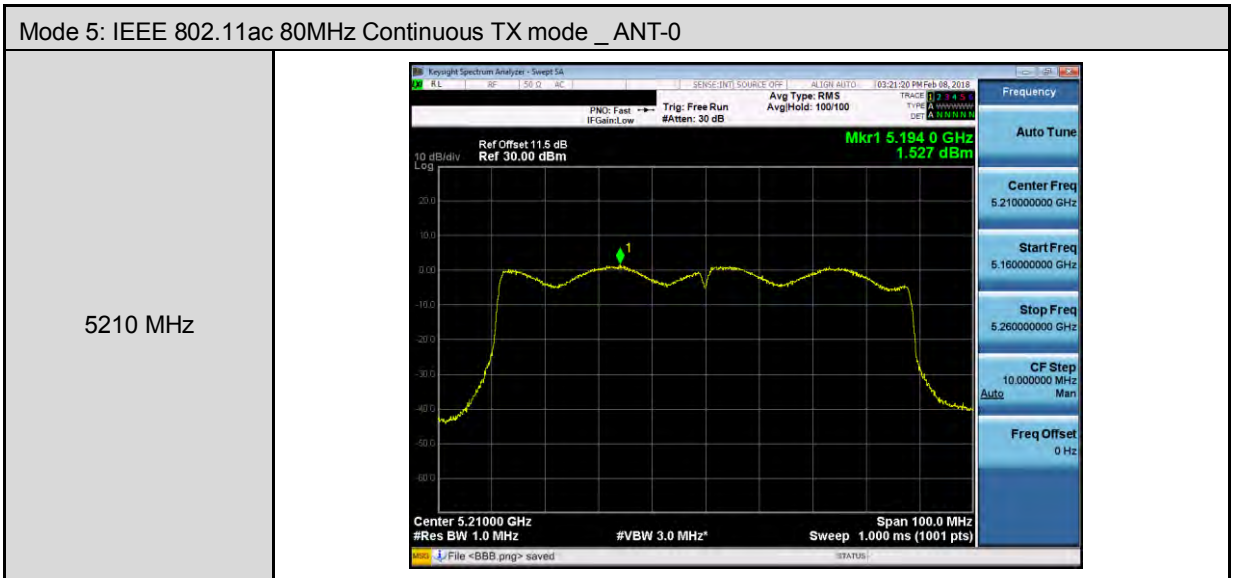
| Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ ANT-0 | |
|--|--|
| 5180 MHz |  |
| 5200 MHz |  |
| 5240 MHz |  |




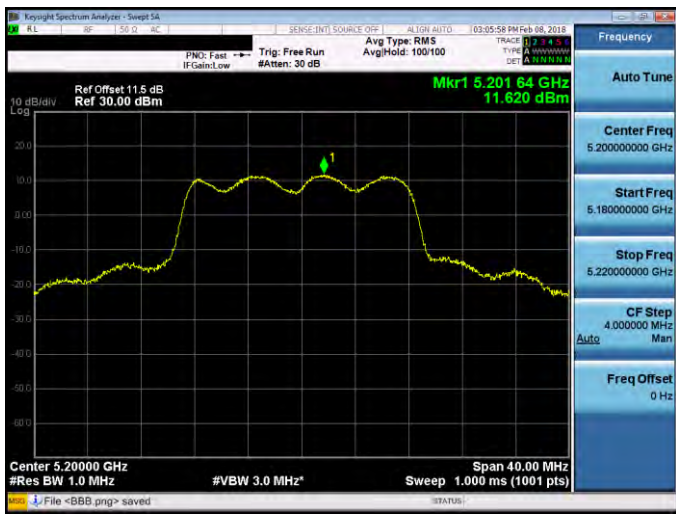
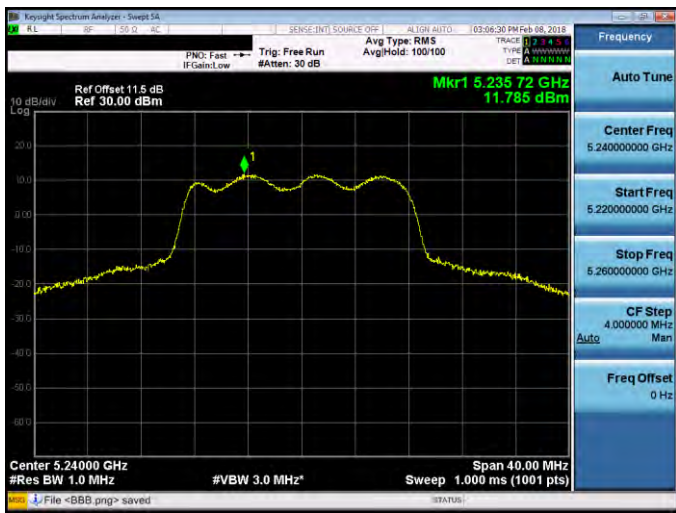
| Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ ANT-0 | |
|--|--|
| 5745 MHz |  |
| 5785 MHz |  |
| 5825 MHz |  |



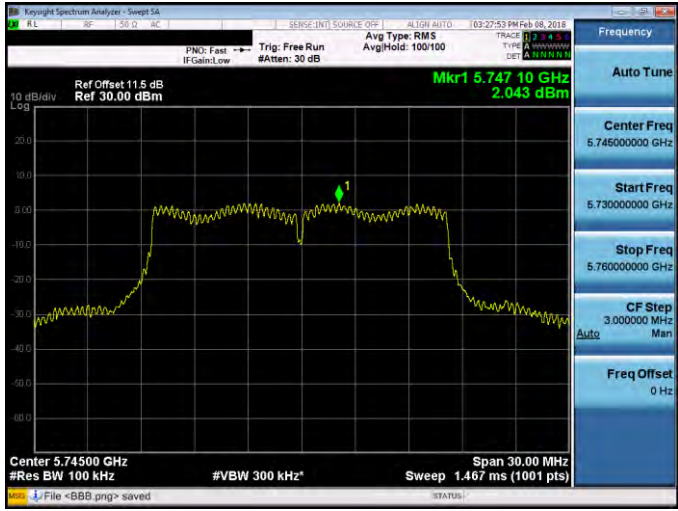
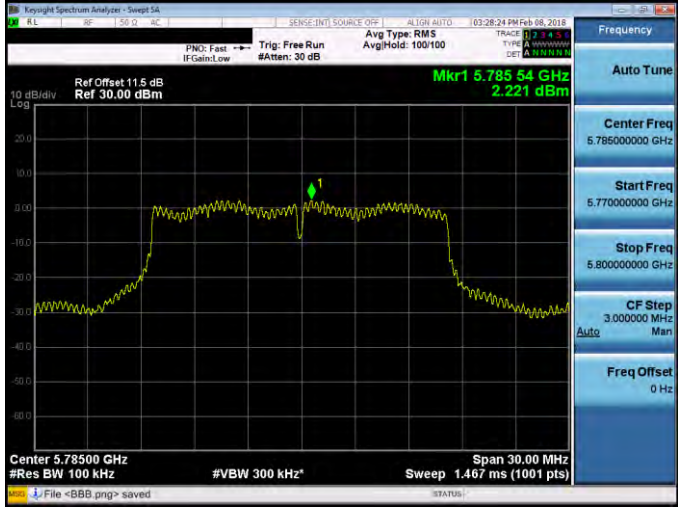
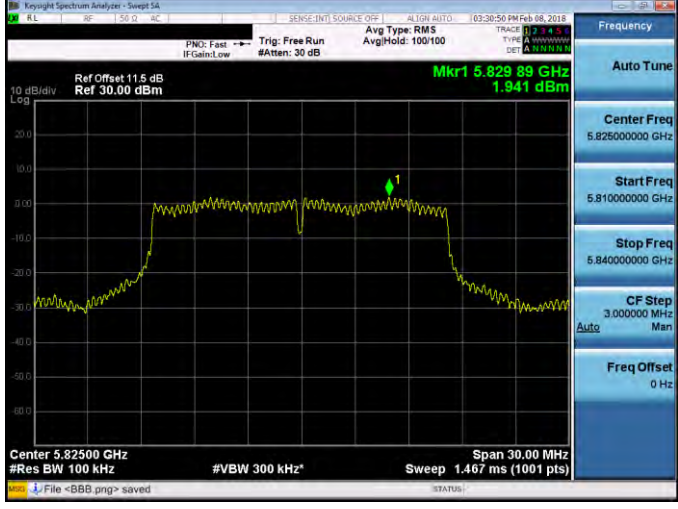




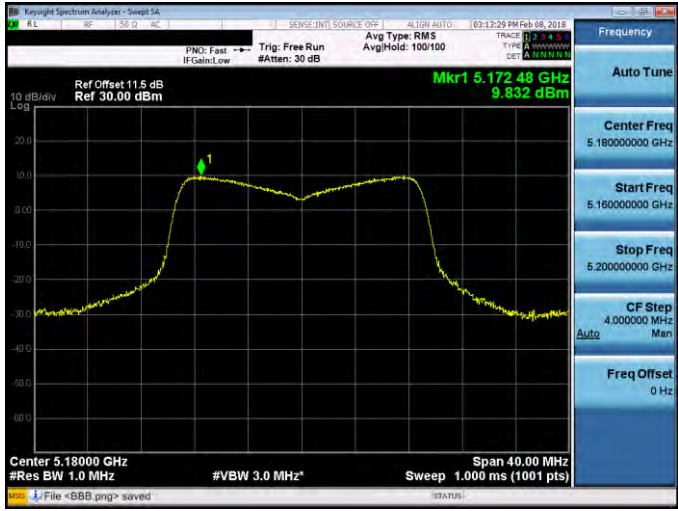
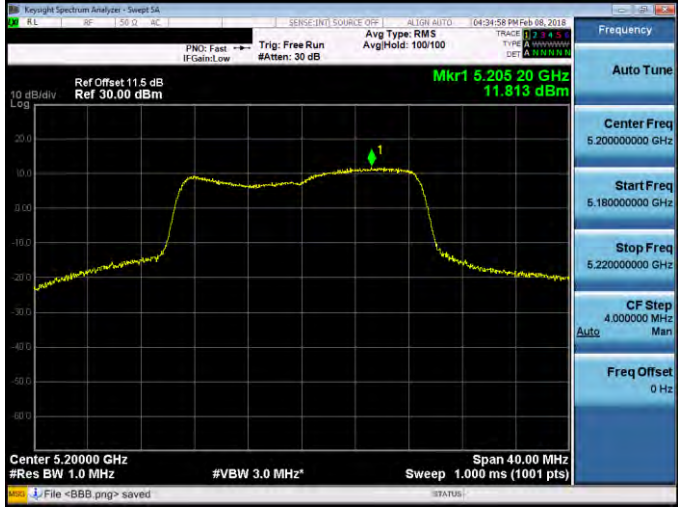
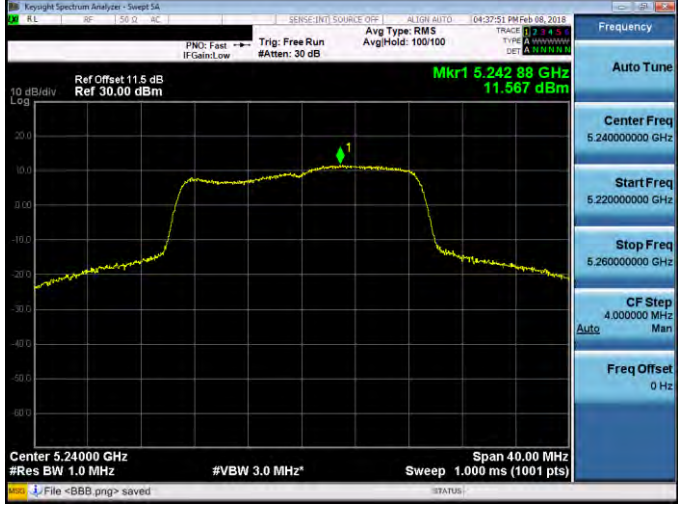


| Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1 | |
|--|--|
| 5180 MHz |  |
| 5200 MHz |  |
| 5240 MHz |  |

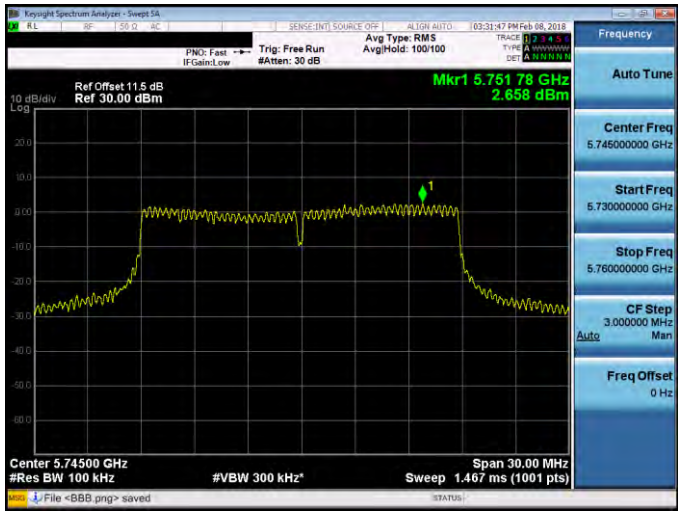
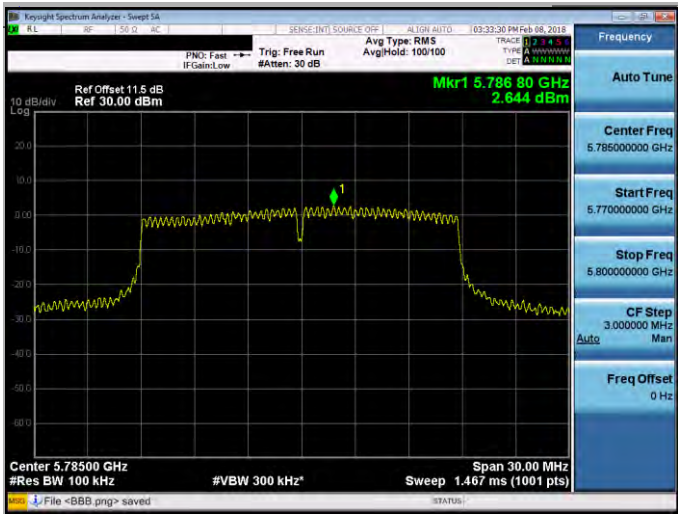
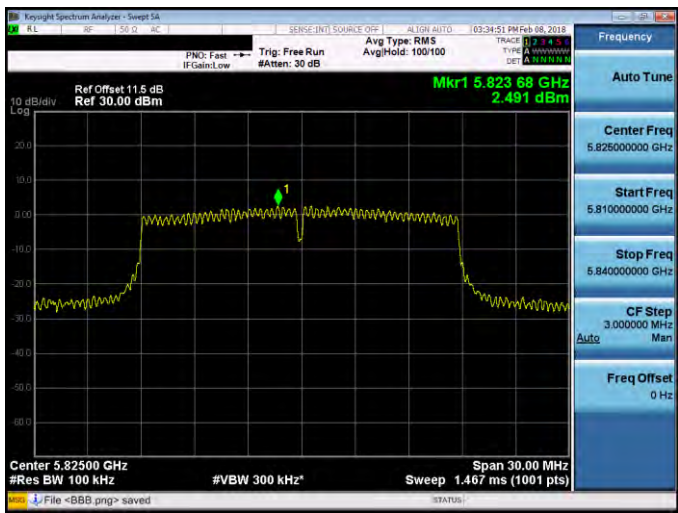


| Mode 2: IEEE 802.11a Continuous TX mode_ ANT-1 | |
|--|--|
| 5745 MHz |  |
| 5785 MHz |  |
| 5825 MHz |  |

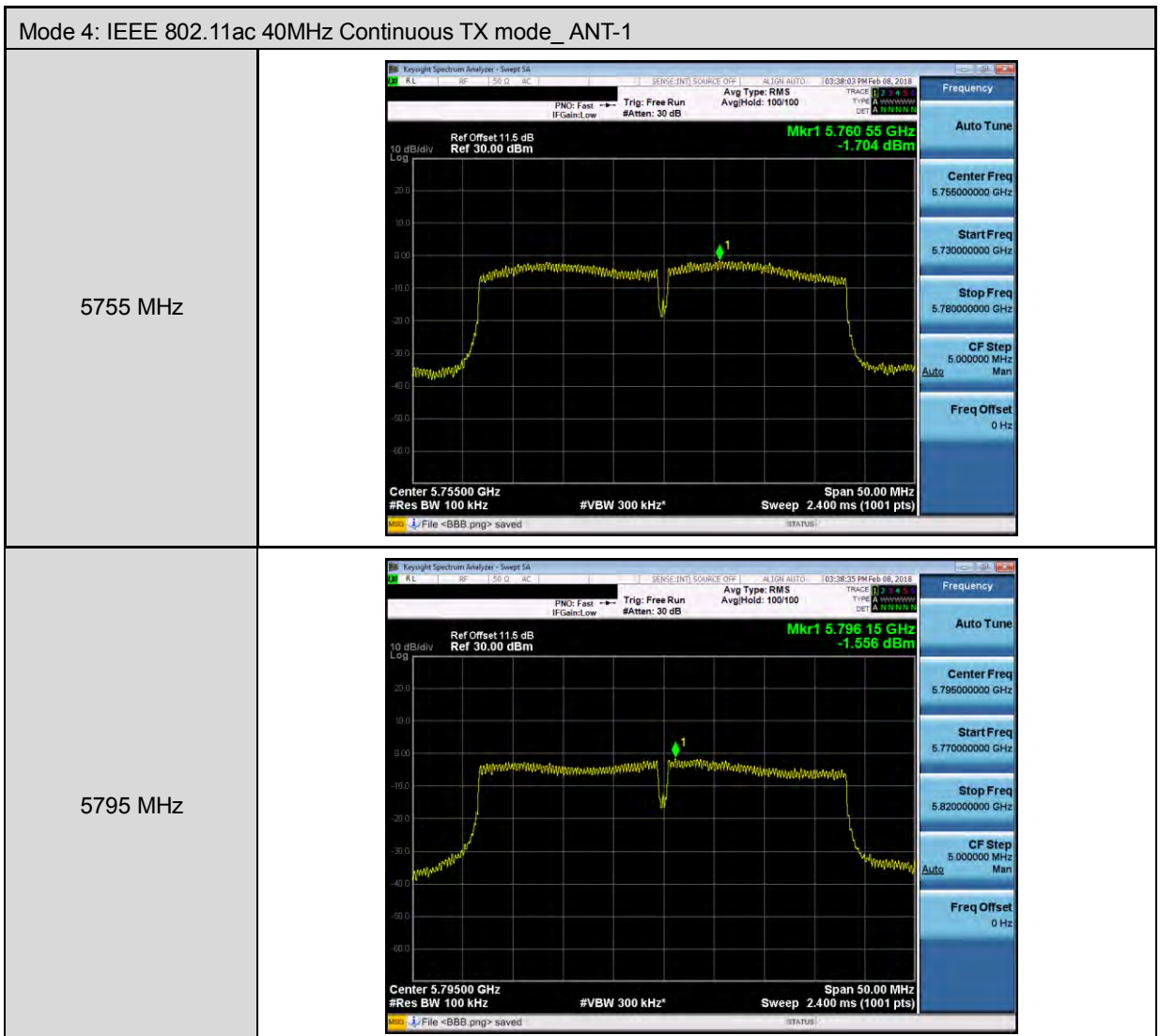


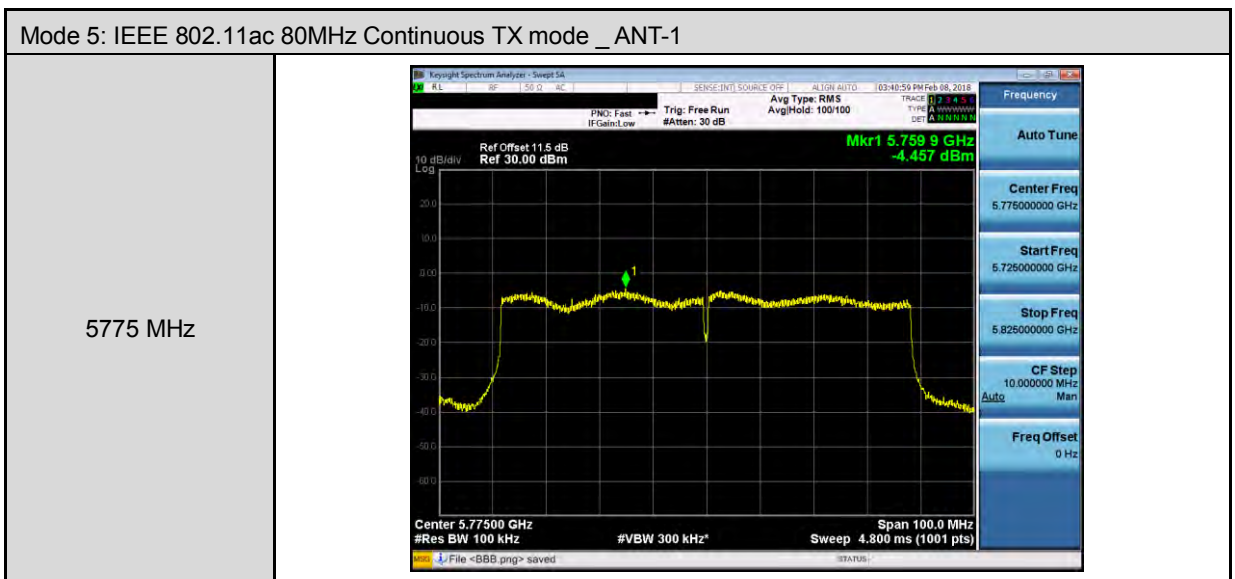
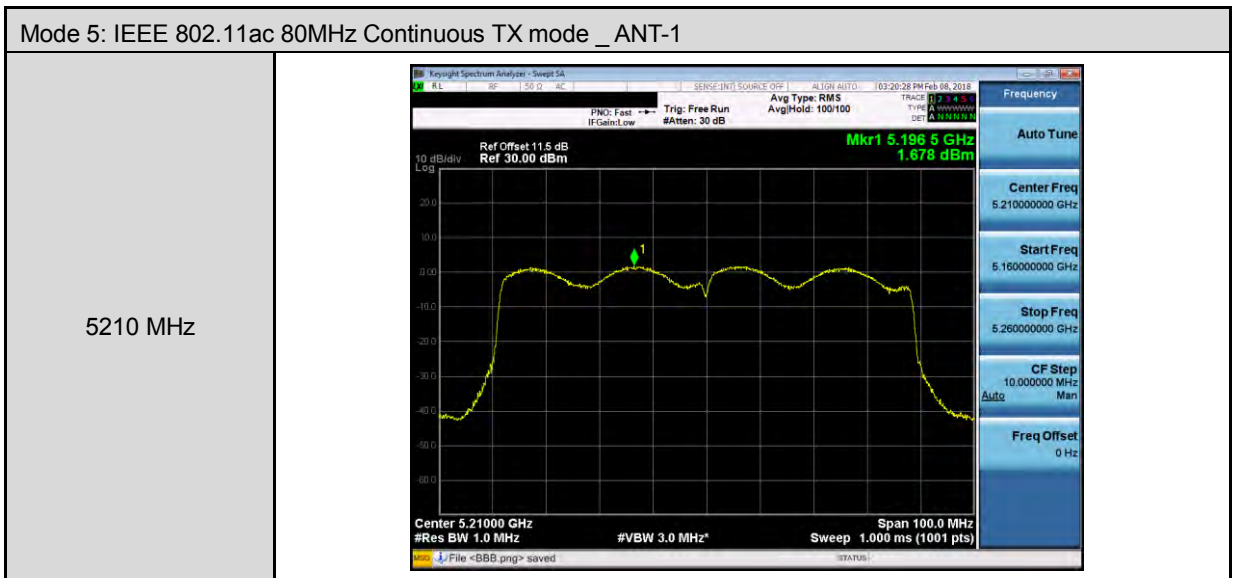
| Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ ANT-1 | |
|--|--|
| 5180 MHz |  |
| 5200 MHz |  |
| 5240 MHz |  |



| Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ ANT-1 | |
|--|--|
| 5745 MHz |  <p>Key parameters from the screenshot:</p> <ul style="list-style-type: none">Center Freq: 5.74500000 GHzStart Freq: 5.73000000 GHzStop Freq: 5.76000000 GHzCF Step: 3.000000 MHzFreq Offset: 0 HzMkr1: 5.751 78 GHz, 2.658 dBmCenter: 5.74500 GHz#Res BW: 100 kHz#VBW: 300 kHzSweep: 1.467 ms (1001 pts) |
| 5785 MHz |  <p>Key parameters from the screenshot:</p> <ul style="list-style-type: none">Center Freq: 5.78500000 GHzStart Freq: 5.77000000 GHzStop Freq: 5.80000000 GHzCF Step: 3.000000 MHzFreq Offset: 0 HzMkr1: 5.786 80 GHz, 2.644 dBmCenter: 5.78500 GHz#Res BW: 100 kHz#VBW: 300 kHzSweep: 1.467 ms (1001 pts) |
| 5825 MHz |  <p>Key parameters from the screenshot:</p> <ul style="list-style-type: none">Center Freq: 5.82500000 GHzStart Freq: 5.81000000 GHzStop Freq: 5.84000000 GHzCF Step: 3.000000 MHzFreq Offset: 0 HzMkr1: 5.823 68 GHz, 2.491 dBmCenter: 5.82500 GHz#Res BW: 100 kHz#VBW: 300 kHzSweep: 1.467 ms (1001 pts) |







Beamforming on

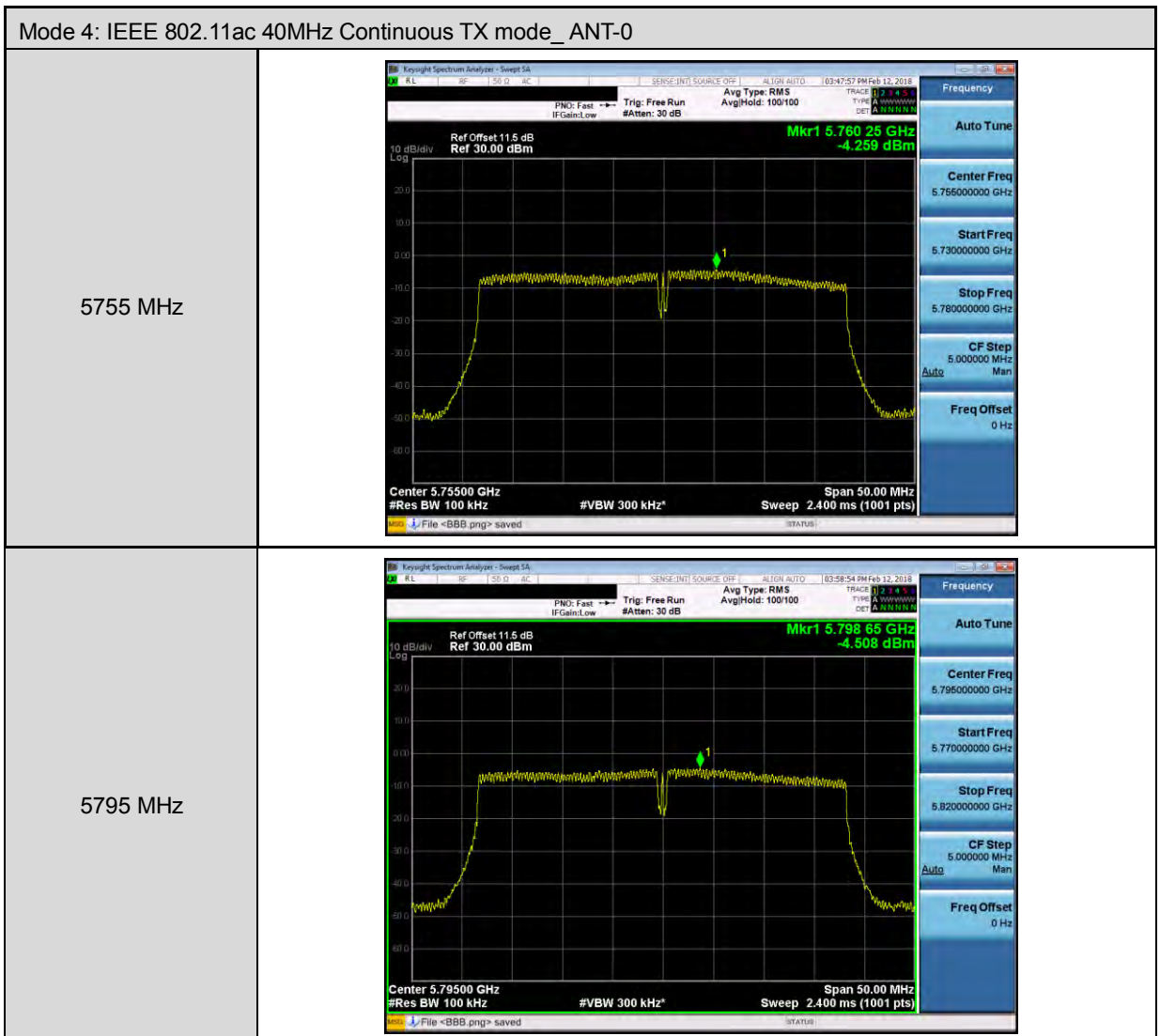
Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ANT-0

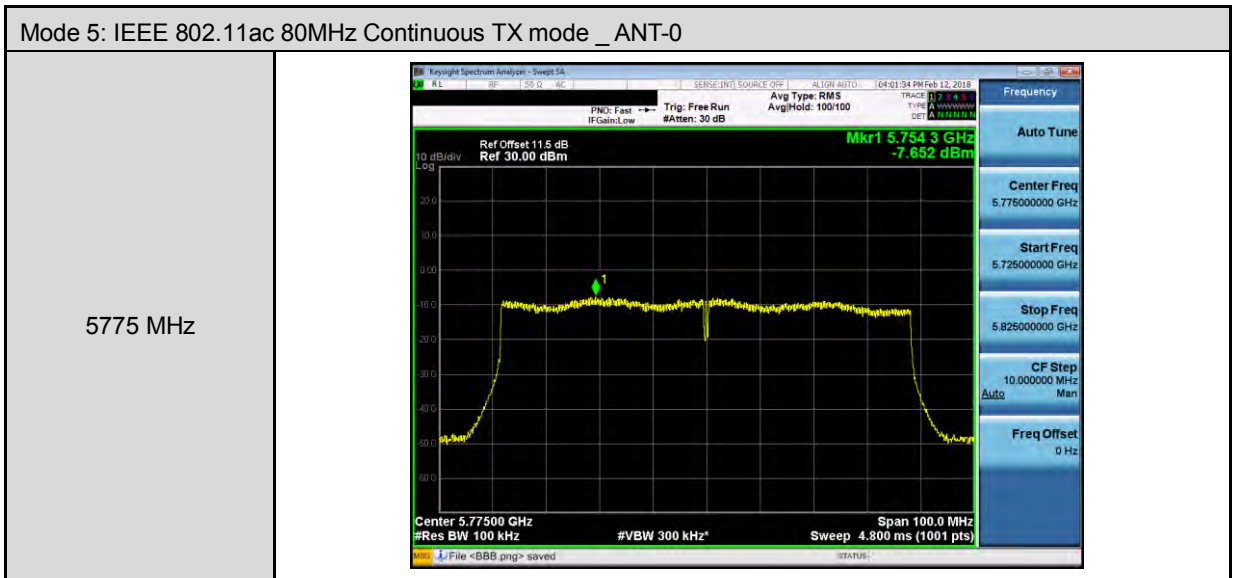
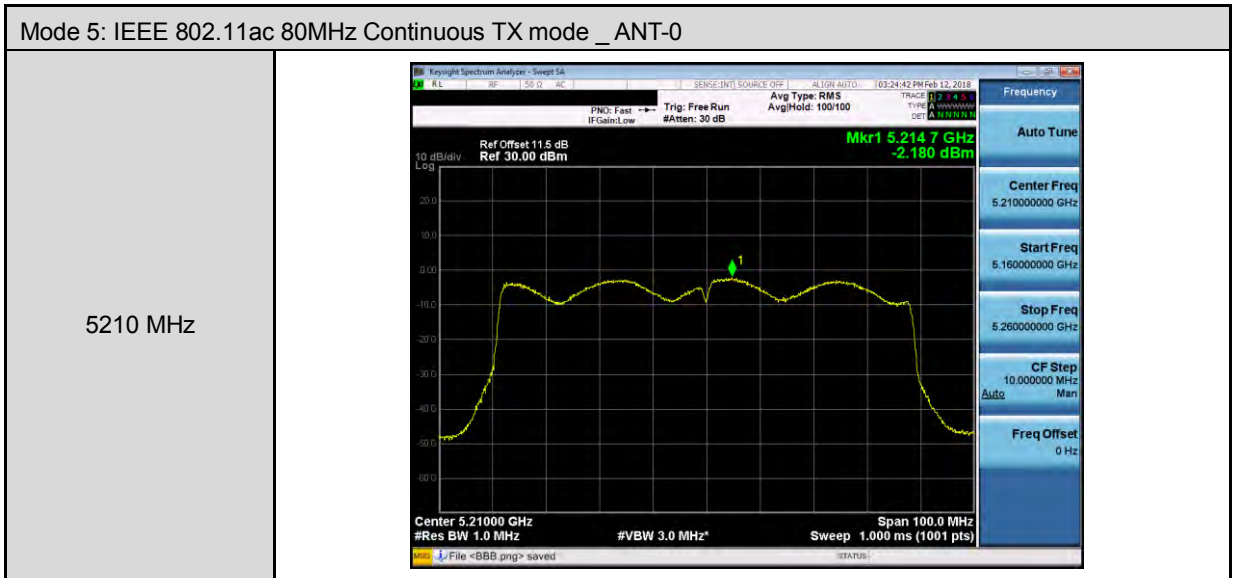
| | |
|----------|--|
| 5180 MHz | |
| 5200 MHz | |
| 5240 MHz | |



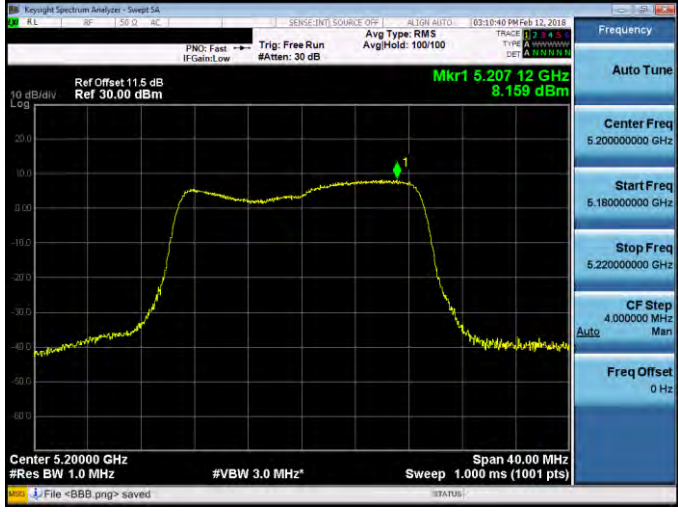
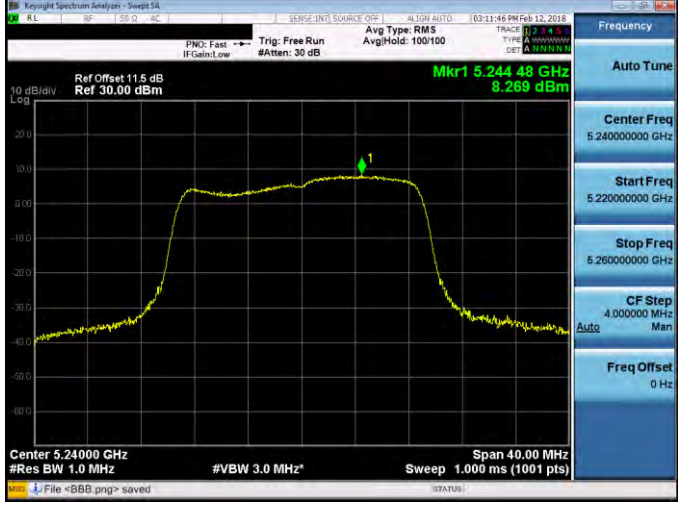
| Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ ANT-0 | |
|--|--|
| 5745 MHz | <p>Key parameters from screenshot: Center Freq: 5.74500000 GHz Start Freq: 5.73000000 GHz Stop Freq: 5.76000000 GHz CF Step: 3.000000 MHz Mkr1: 5.74773 GHz, -1.119 dBm Span: 30.00 MHz Res BW: 100 kHz VBW: 300 kHz</p> |
| 5785 MHz | <p>Key parameters from screenshot: Center Freq: 5.78500000 GHz Start Freq: 5.77000000 GHz Stop Freq: 5.80000000 GHz CF Step: 3.000000 MHz Mkr1: 5.78710 GHz, -1.152 dBm Span: 30.00 MHz Res BW: 100 kHz VBW: 300 kHz</p> |
| 5825 MHz | <p>Key parameters from screenshot: Center Freq: 5.82500000 GHz Start Freq: 5.81000000 GHz Stop Freq: 5.84000000 GHz CF Step: 3.000000 MHz Mkr1: 5.82617 GHz, -1.486 dBm Span: 30.00 MHz Res BW: 100 kHz VBW: 300 kHz</p> |



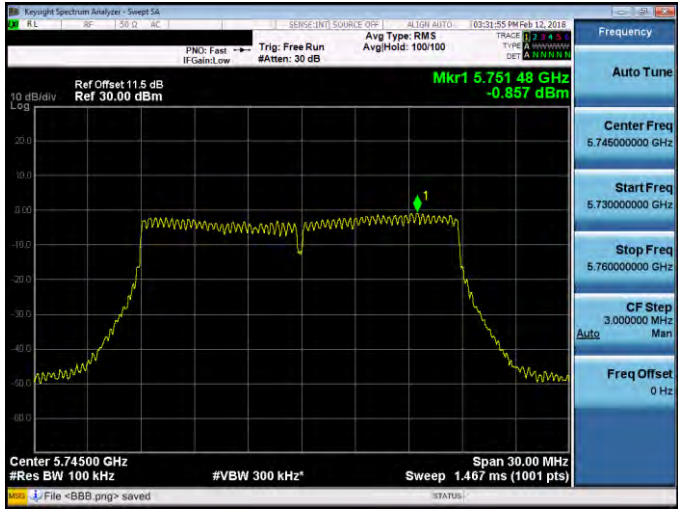
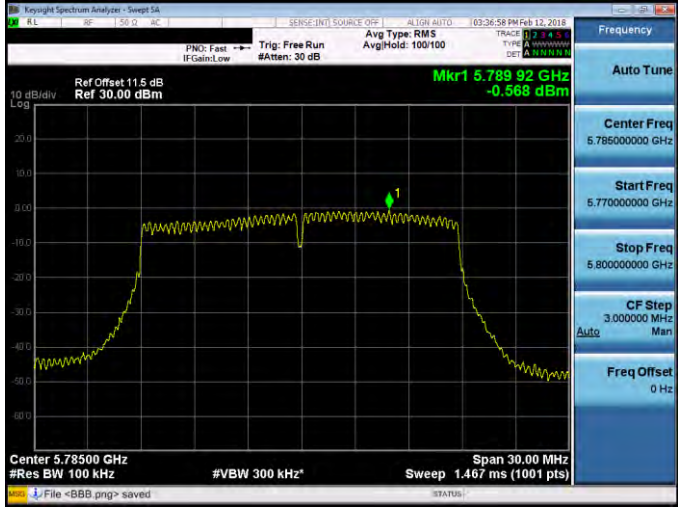
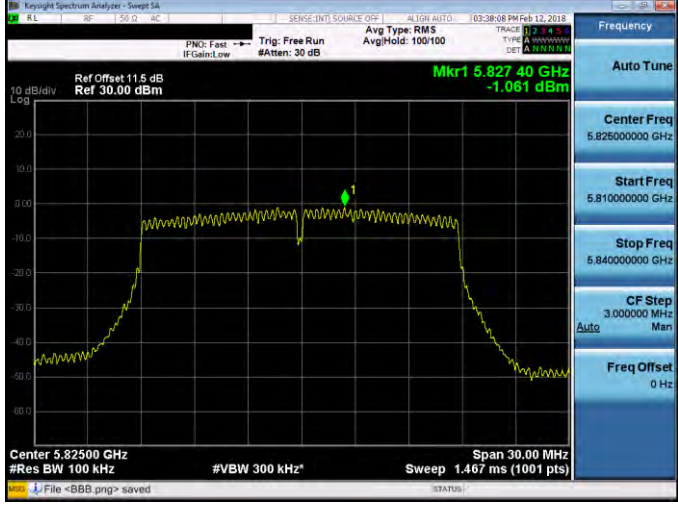




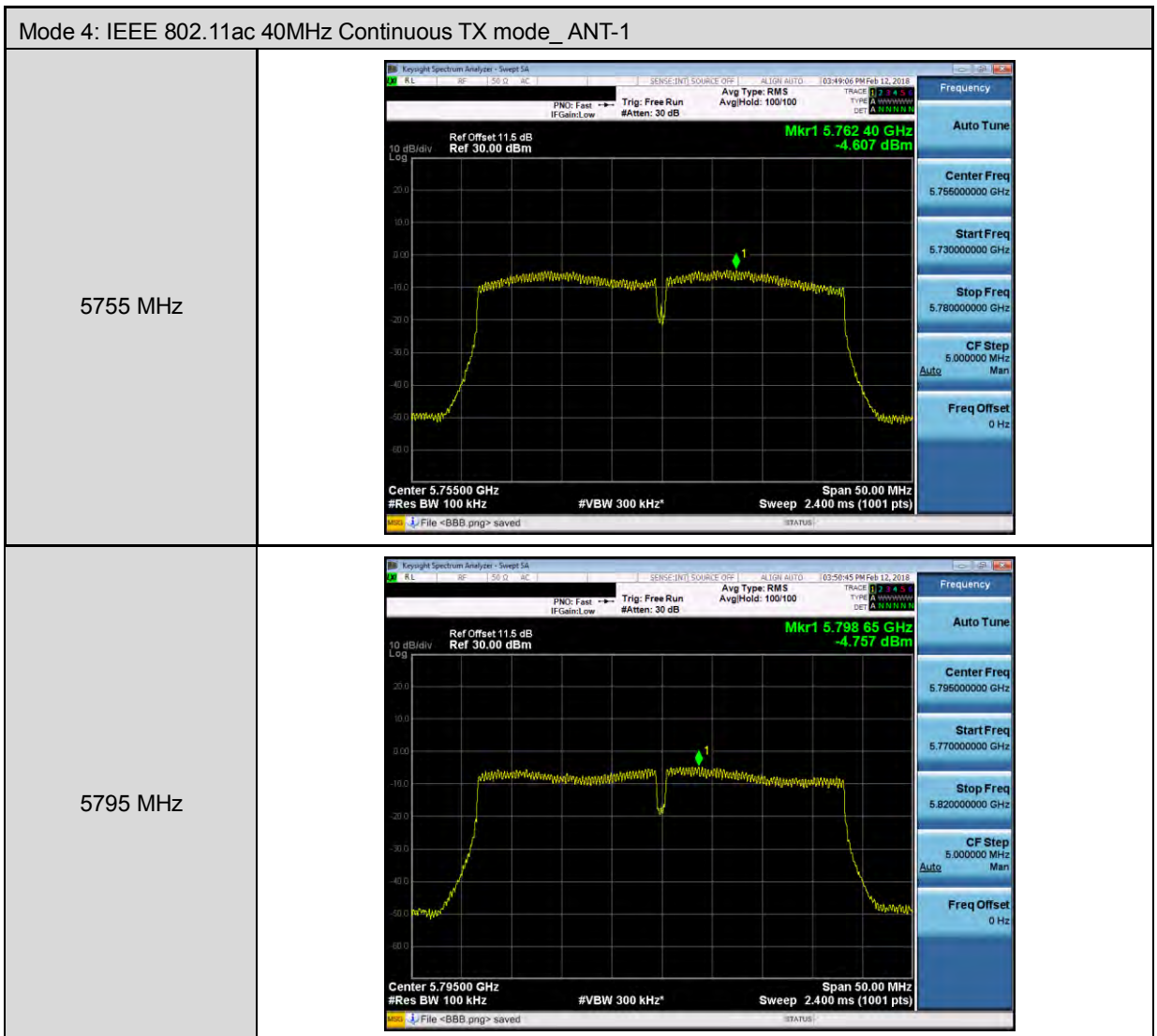


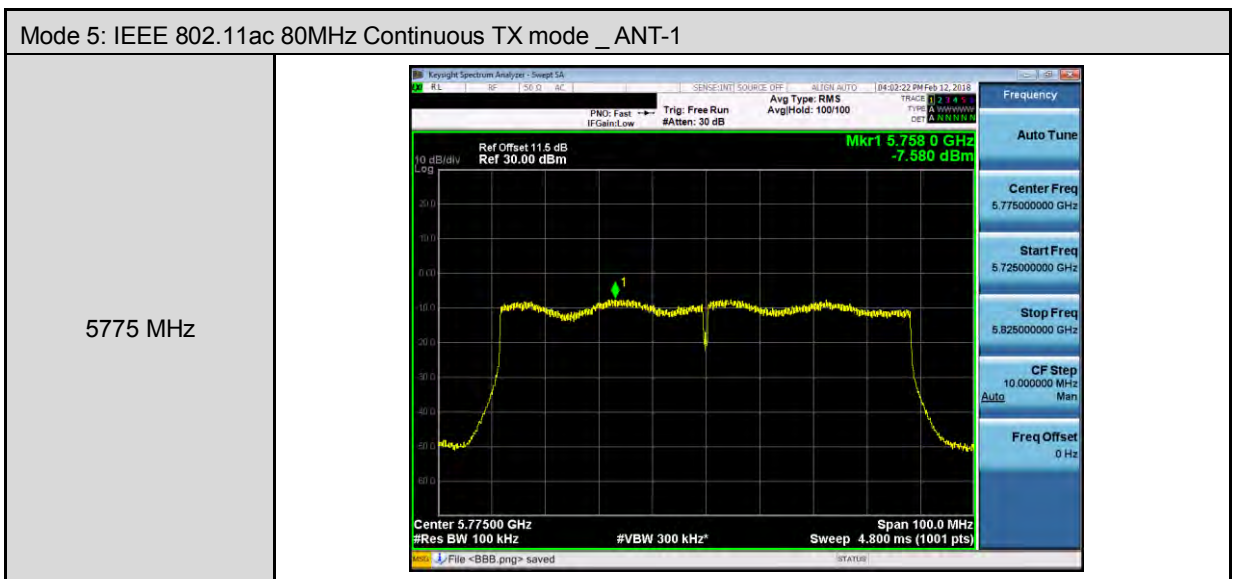
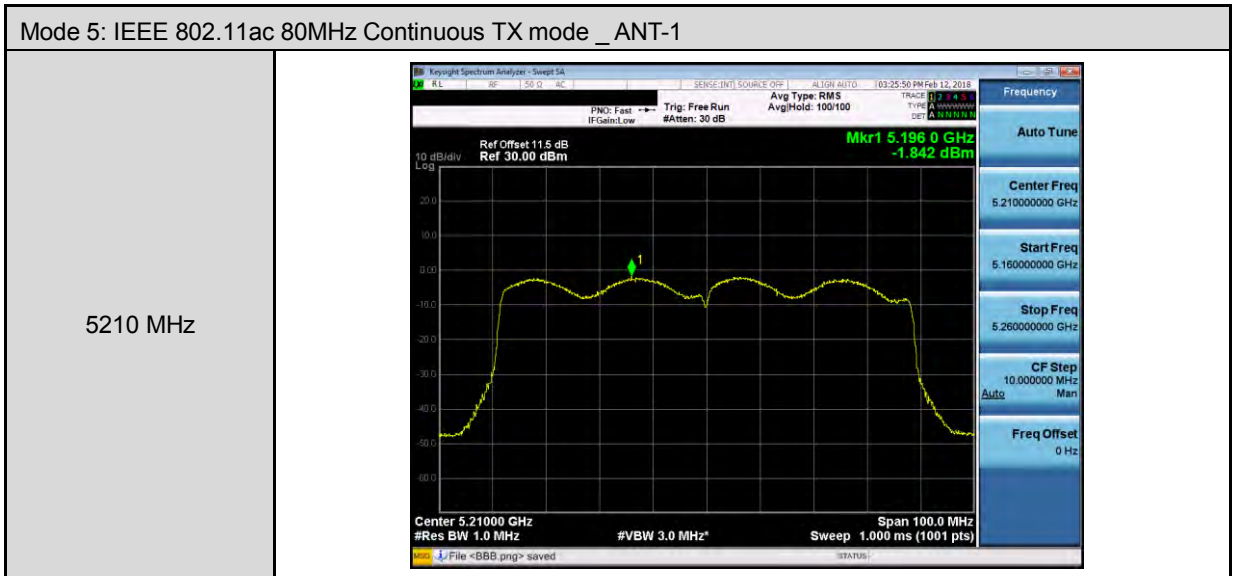
| Mode 3: IEEE 802.11ac 20MHz Continuous TX mode _ANT-1 | |
|---|--|
| 5180 MHz |  |
| 5200 MHz |  |
| 5240 MHz |  |



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







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