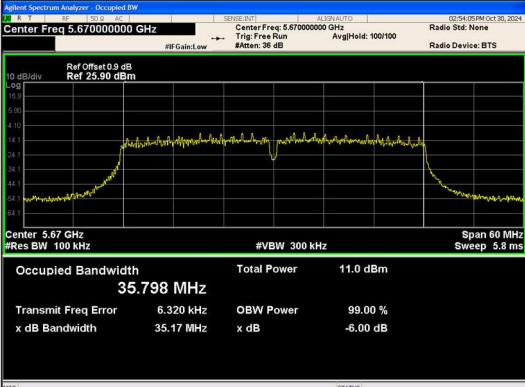
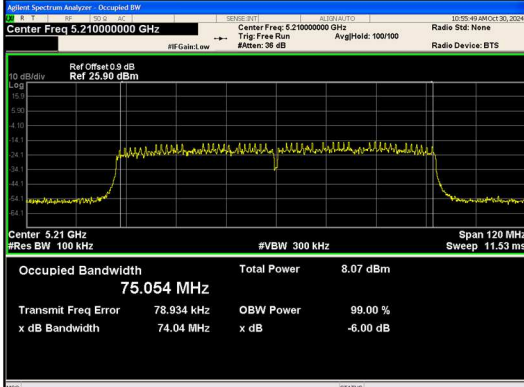
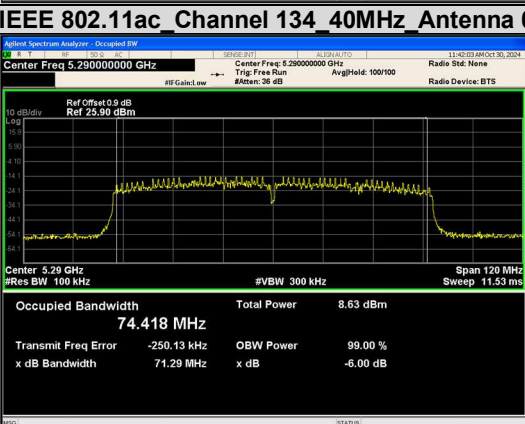
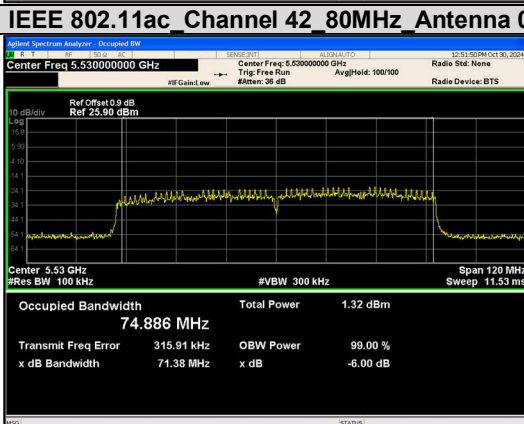
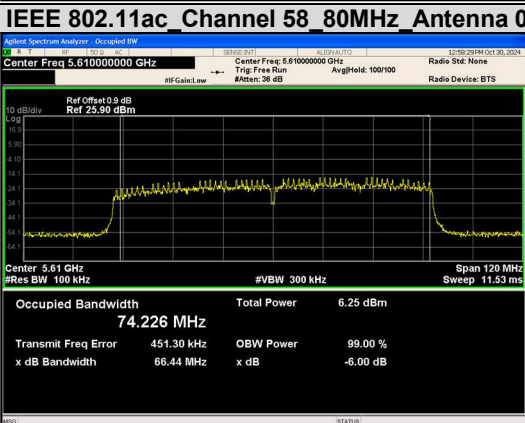


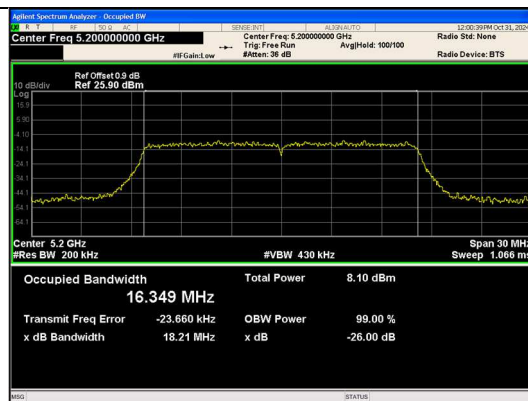
|                                                                                                                                             |                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>IEEE 802.11ac_Channel 134_40MHz_Antenna 0</b></p>   |  <p><b>IEEE 802.11ac_Channel 42_80MHz_Antenna 0</b></p>   |
|  <p><b>IEEE 802.11ac_Channel 58_80MHz_Antenna 0</b></p>   |  <p><b>IEEE 802.11ac_Channel 106_80MHz_Antenna 0</b></p> |
|  <p><b>IEEE 802.11ac_Channel 122_80MHz_Antenna 0</b></p> |                                                                                                                                             |

## Appendix C.4: Test Results of 26dB Bandwidth

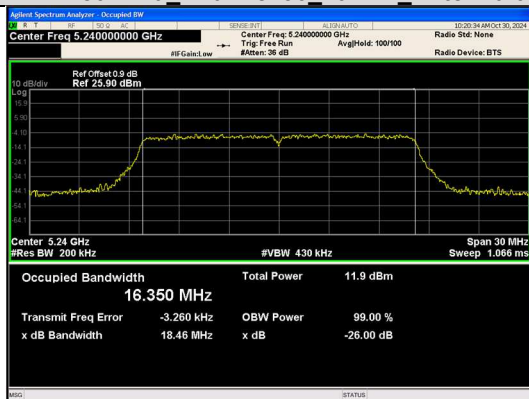
### Test Result

| Mode             | Channel | Ant. | Center Frequency (MHz) | 26 dB Bandwidth (MHz) | RBW/EBW |
|------------------|---------|------|------------------------|-----------------------|---------|
| IEEE 802.11a     | 36      | 0    | 5180                   | 18.38                 | 1.12    |
|                  | 40      |      | 5200                   | 18.21                 | 1.0     |
|                  | 48      |      | 5240                   | 18.46                 | 1.12    |
|                  | 52      |      | 5260                   | 18.38                 | 1.13    |
|                  | 60      |      | 5300                   | 18.24                 | 1.13    |
|                  | 64      |      | 5320                   | 18.48                 | 1.12    |
|                  | 100     |      | 5500                   | 18.18                 | 1.13    |
|                  | 120     |      | 5600                   | 18.30                 | 1.13    |
|                  | 140     |      | 5700                   | 18.29                 | 1.13    |
|                  |         |      |                        |                       |         |
| IEEE 802.11n_20  | 36      | 0    | 5180                   | 19.39                 | 1.12    |
|                  | 40      |      | 5200                   | 19.40                 | 1.12    |
|                  | 48      |      | 5240                   | 19.68                 | 1.11    |
|                  | 52      |      | 5260                   | 19.39                 | 1.11    |
|                  | 60      |      | 5300                   | 19.36                 | 1.11    |
|                  | 64      |      | 5320                   | 19.32                 | 1.12    |
|                  | 100     |      | 5500                   | 19.25                 | 1.11    |
|                  | 120     |      | 5600                   | 19.37                 | 1.11    |
|                  | 140     |      | 5700                   | 19.29                 | 1.11    |
|                  |         |      |                        |                       |         |
| IEEE 802.11n_40  | 38      | 0    | 5190                   | 42.19                 | 1.03    |
|                  | 46      |      | 5230                   | 40.72                 | 1.06    |
|                  | 54      |      | 5270                   | 41.04                 | 1.05    |
|                  | 62      |      | 5310                   | 40.64                 | 1.06    |
|                  | 102     |      | 5510                   | 40.05                 | 1.07    |
|                  | 118     |      | 5590                   | 40.97                 | 1.06    |
|                  | 134     |      | 5670                   | 35.80                 | 1.05    |
|                  |         |      |                        |                       |         |
| IEEE 802.11ac_20 | 36      | 0    | 5180                   | 19.19                 | 1.11    |
|                  | 40      |      | 5200                   | 19.07                 | 1.12    |
|                  | 48      |      | 5240                   | 19.23                 | 1.11    |
|                  | 52      |      | 5260                   | 19.14                 | 1.12    |
|                  | 60      |      | 5300                   | 19.14                 | 1.11    |
|                  | 64      |      | 5320                   | 19.14                 | 1.12    |
|                  | 100     |      | 5500                   | 19.20                 | 1.12    |
|                  | 120     |      | 5600                   | 19.09                 | 1.11    |
|                  | 140     |      | 5700                   | 19.07                 | 1.12    |
| IEEE 802.11ac_40 | 38      | 0    | 5190                   | 40.08                 | 1.06    |
|                  | 46      |      | 5230                   | 39.67                 | 1.06    |
|                  | 54      |      | 5270                   | 39.68                 | 1.05    |
|                  | 62      |      | 5310                   | 40.07                 | 1.05    |
|                  | 102     |      | 5510                   | 40.75                 | 1.05    |
|                  | 118     |      | 5590                   | 39.71                 | 1.07    |
|                  | 134     |      | 5670                   | 39.92                 | 1.06    |
|                  |         |      |                        |                       |         |
| IEEE 802.11ac_80 | 42      | 0    | 5210                   | 80.19                 | 1.03    |
|                  | 58      |      | 5290                   | 79.88                 | 1.03    |
|                  | 106     |      | 5530                   | 80.65                 | 1.03    |
|                  | 122     |      | 5610                   | 80.22                 | 1.03    |
|                  |         |      |                        |                       |         |

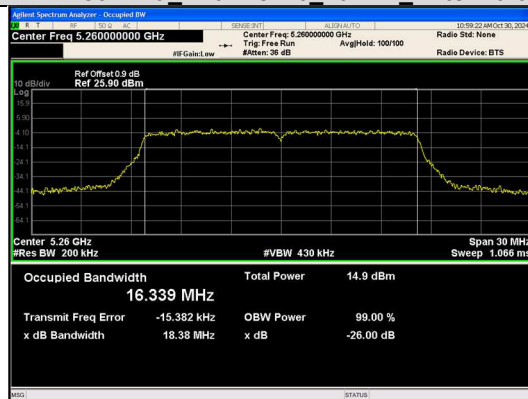
## Test Graphs



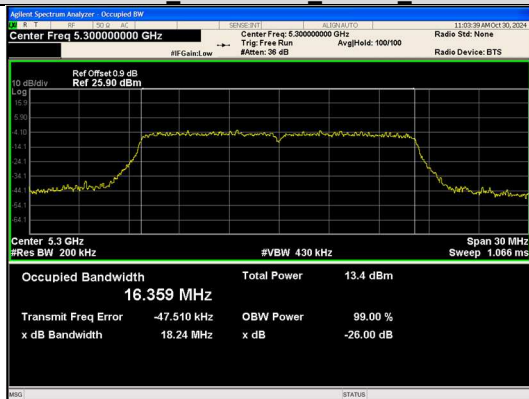
### IEEE 802.11a Channel 36 20MHz Antenna 0



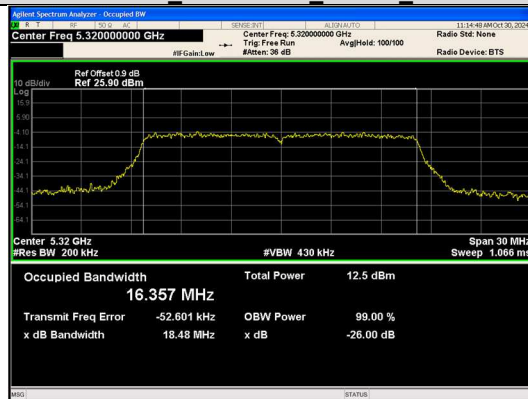
### IEEE 802.11a Channel 40 20MHz Antenna 0



### IEEE 802.11a Channel 48 20MHz Antenna 0



### IEEE 802.11a Channel 52 20MHz Antenna 0



### IEEE 802.11a Channel 60 20MHz Antenna 0

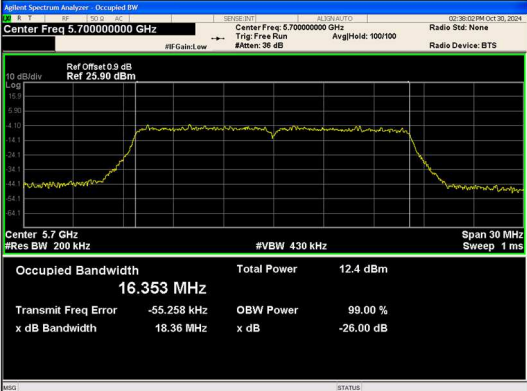
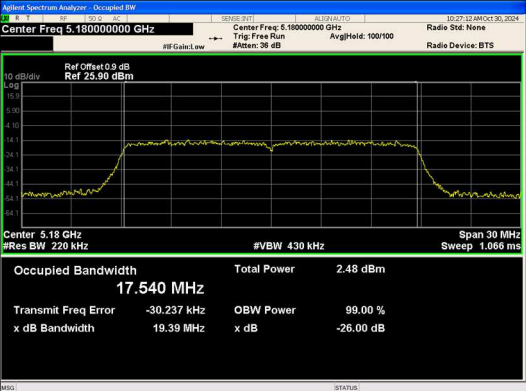
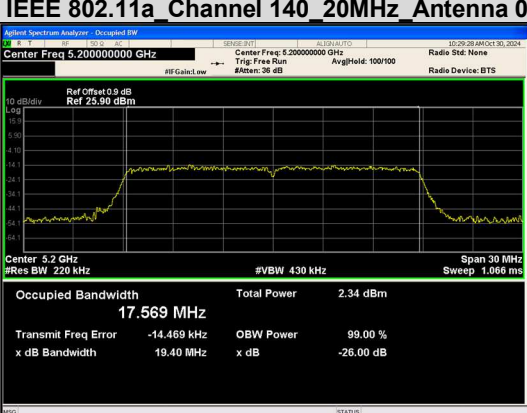
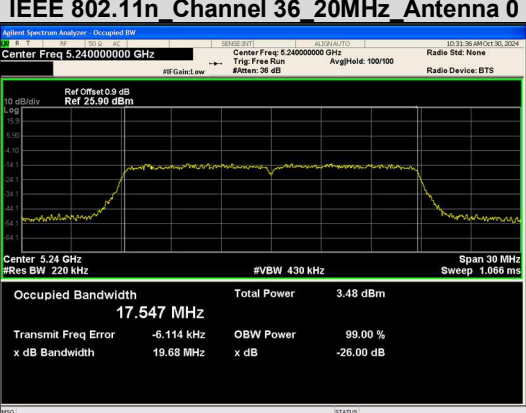
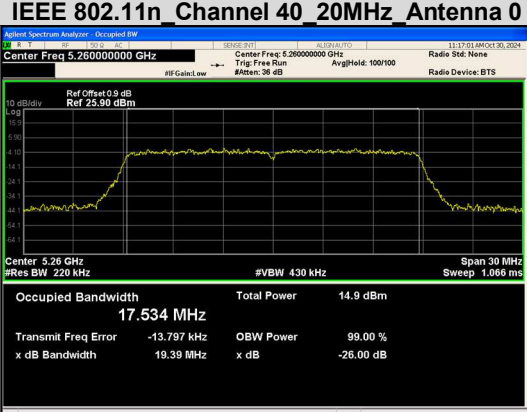
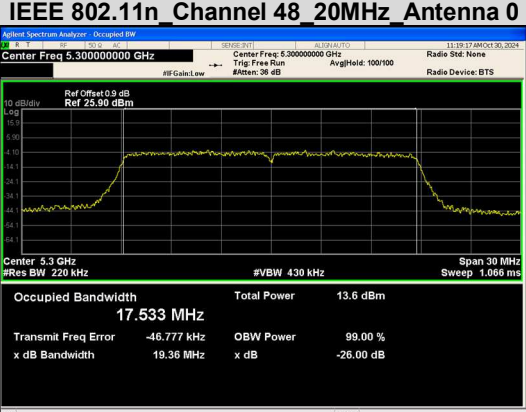
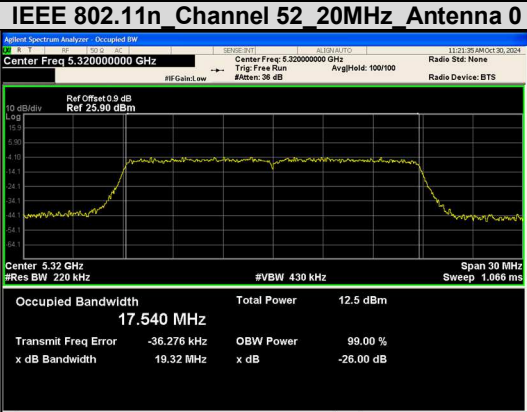
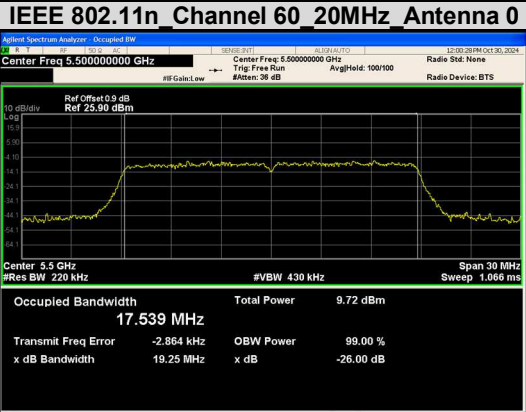


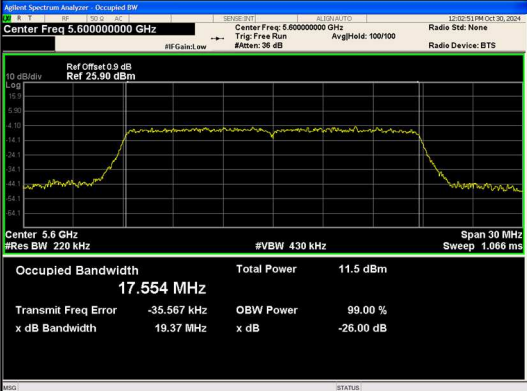
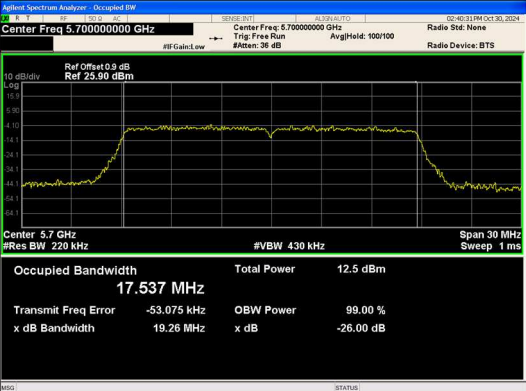
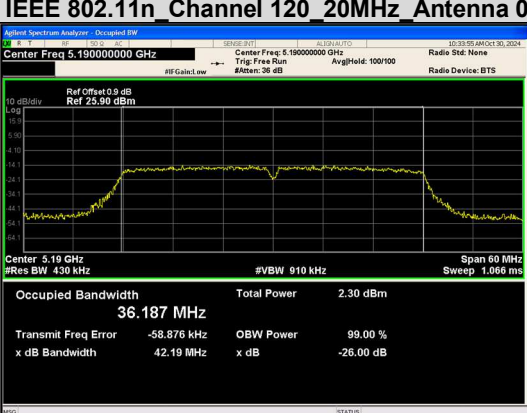
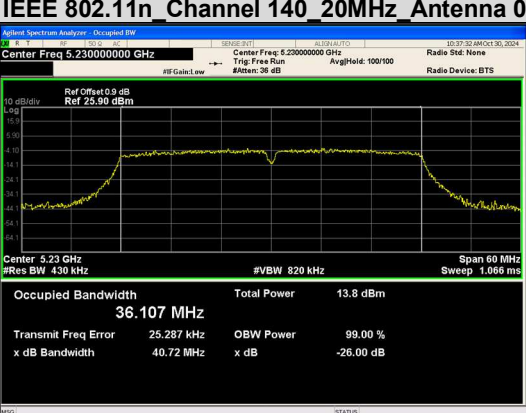
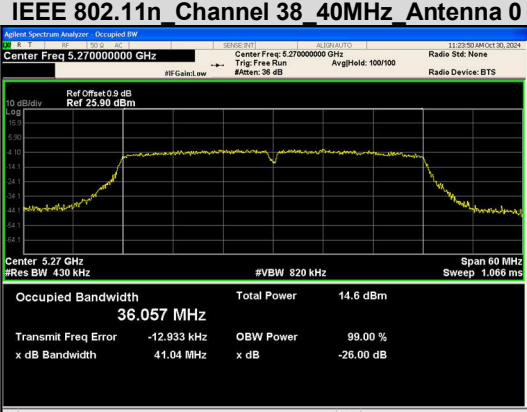
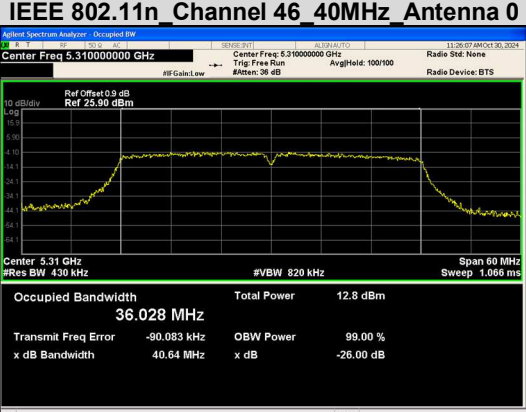
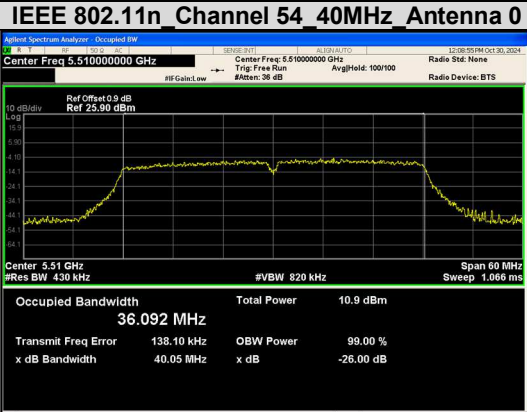
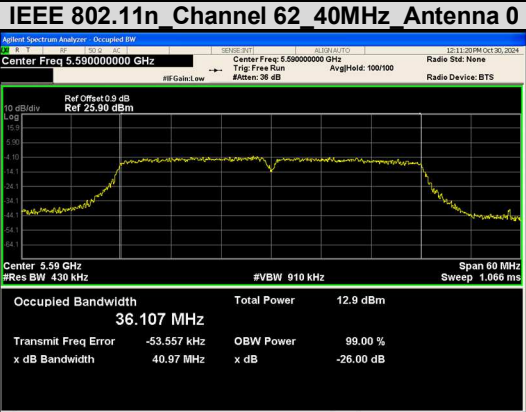
### IEEE 802.11a Channel 64 20MHz Antenna 0

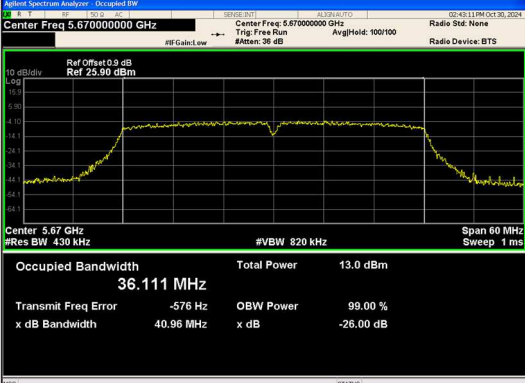
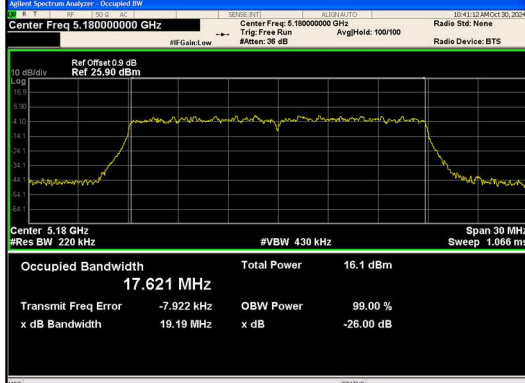
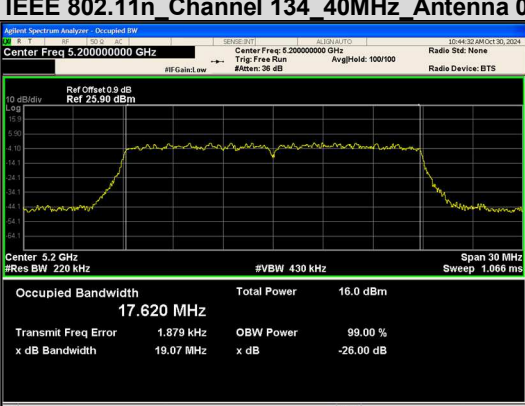
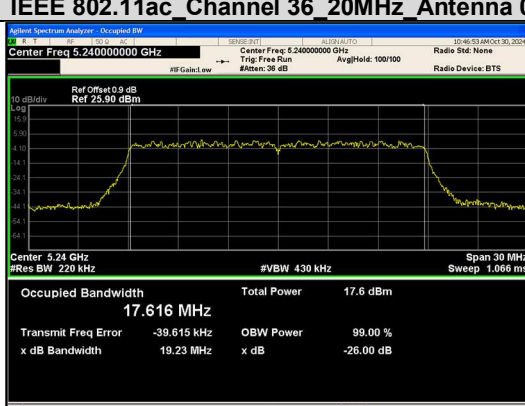
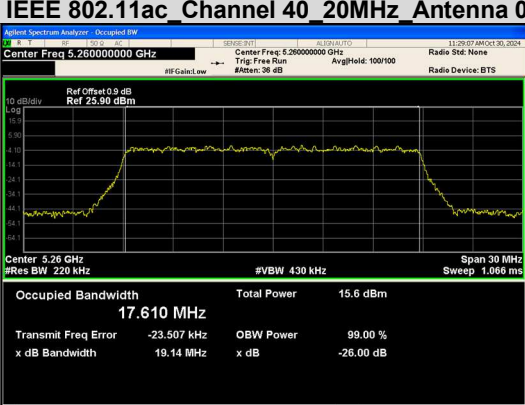
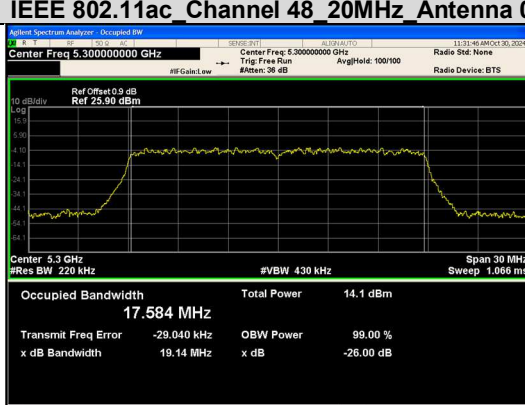
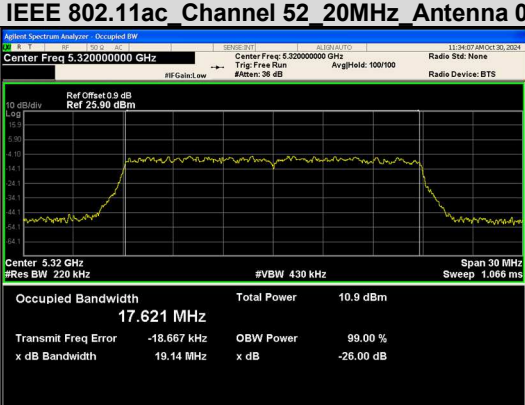
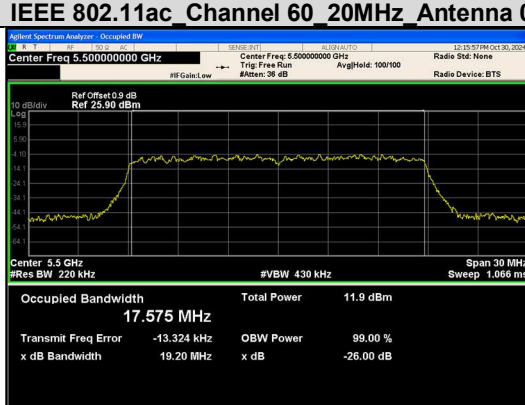


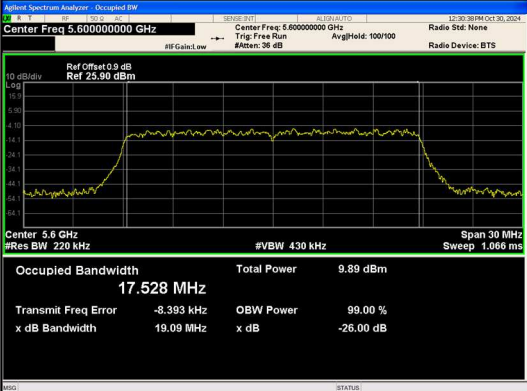
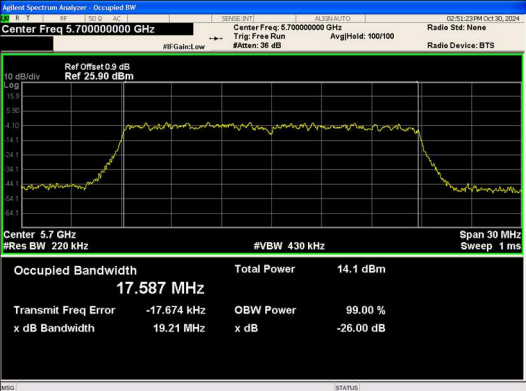
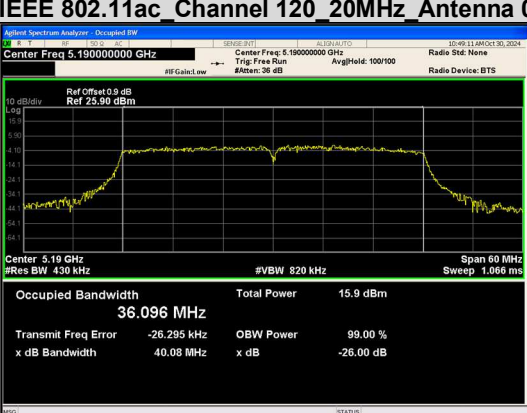
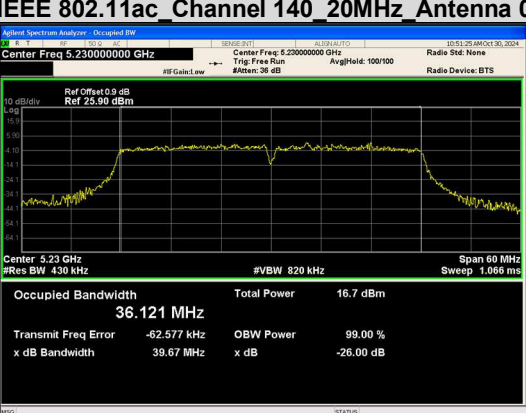
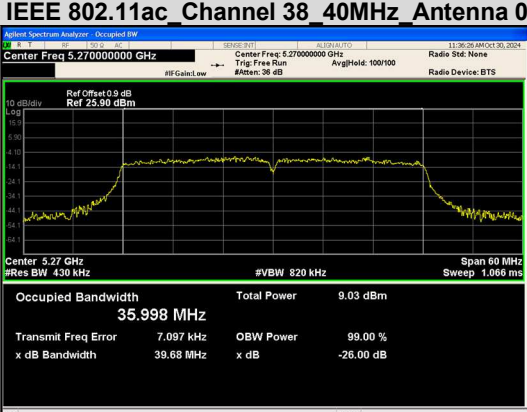
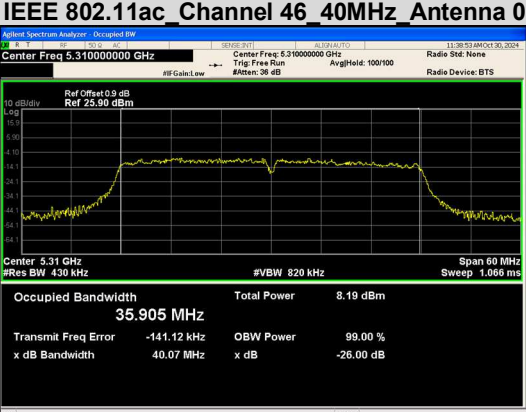
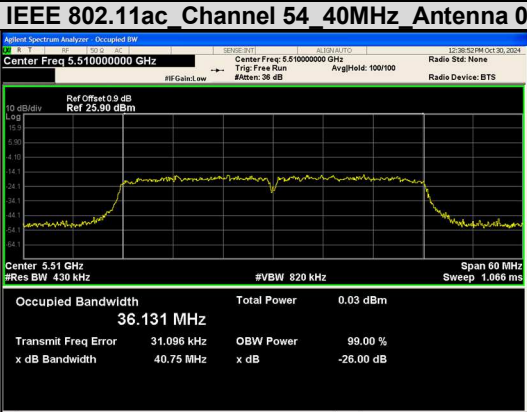
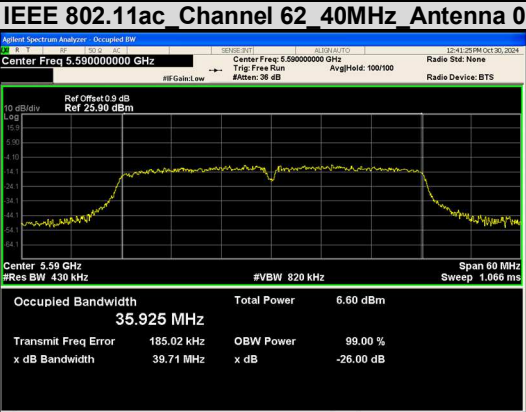
### IEEE 802.11a Channel 100 20MHz Antenna 0

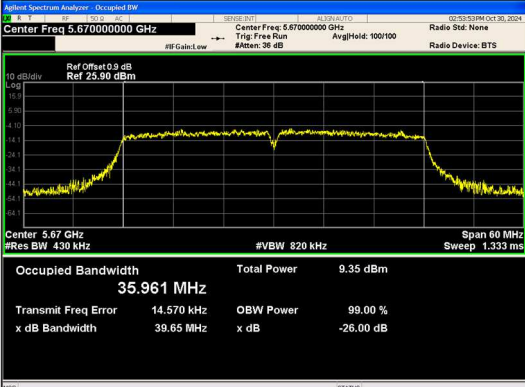
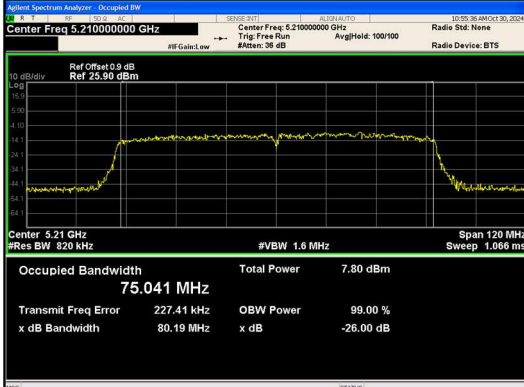
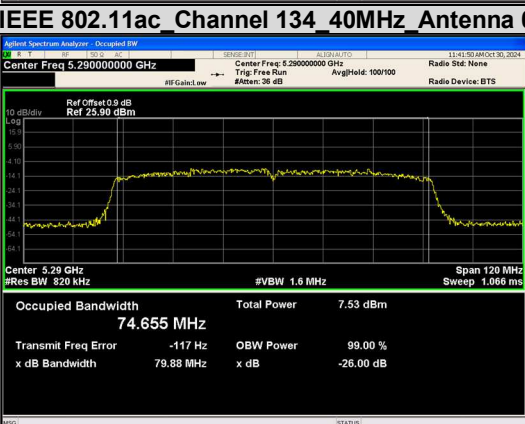
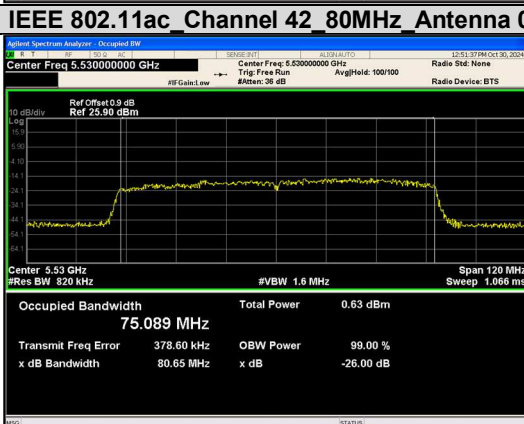
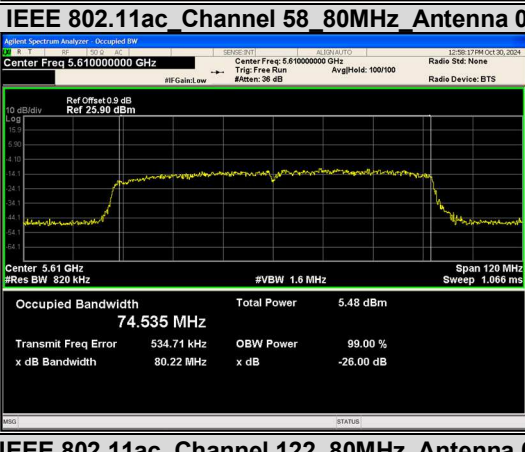
### IEEE 802.11a Channel 120 20MHz Antenna 0

|                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>IEEE 802.11a Channel 140 20MHz Antenna 0</b></p> <p>Center Freq 5.70000000 GHz<br/>#Res BW 200 kHz<br/>#VBW 430 kHz<br/>Span 30 MHz<br/>Sweep 1 ms</p> <p>Occupied Bandwidth: 16.353 MHz<br/>Total Power: 12.4 dBm<br/>Transmit Freq Error: -55.258 kHz<br/>x dB Bandwidth: 18.36 MHz<br/>OBW Power: 99.00 %<br/>x dB: -26.00 dB</p>      |  <p><b>IEEE 802.11n Channel 36 20MHz Antenna 0</b></p> <p>Center Freq 5.18000000 GHz<br/>#Res BW 220 kHz<br/>#VBW 430 kHz<br/>Span 30 MHz<br/>Sweep 1.066 ms</p> <p>Occupied Bandwidth: 17.540 MHz<br/>Total Power: 2.48 dBm<br/>Transmit Freq Error: -30.237 kHz<br/>x dB Bandwidth: 19.39 MHz<br/>OBW Power: 99.00 %<br/>x dB: -26.00 dB</p>   |
|  <p><b>IEEE 802.11a Channel 140 20MHz Antenna 0</b></p> <p>Center Freq 5.20000000 GHz<br/>#Res BW 220 kHz<br/>#VBW 430 kHz<br/>Span 30 MHz<br/>Sweep 1.066 ms</p> <p>Occupied Bandwidth: 17.569 MHz<br/>Total Power: 2.34 dBm<br/>Transmit Freq Error: -14.469 kHz<br/>x dB Bandwidth: 19.40 MHz<br/>OBW Power: 99.00 %<br/>x dB: -26.00 dB</p> |  <p><b>IEEE 802.11n Channel 36 20MHz Antenna 0</b></p> <p>Center Freq 5.24000000 GHz<br/>#Res BW 220 kHz<br/>#VBW 430 kHz<br/>Span 30 MHz<br/>Sweep 1.066 ms</p> <p>Occupied Bandwidth: 17.547 MHz<br/>Total Power: 3.48 dBm<br/>Transmit Freq Error: -6.114 kHz<br/>x dB Bandwidth: 19.68 MHz<br/>OBW Power: 99.00 %<br/>x dB: -26.00 dB</p>   |
|  <p><b>IEEE 802.11n Channel 40 20MHz Antenna 0</b></p> <p>Center Freq 5.26000000 GHz<br/>#Res BW 220 kHz<br/>#VBW 430 kHz<br/>Span 30 MHz<br/>Sweep 1.066 ms</p> <p>Occupied Bandwidth: 17.534 MHz<br/>Total Power: 14.9 dBm<br/>Transmit Freq Error: -13.797 kHz<br/>x dB Bandwidth: 19.39 MHz<br/>OBW Power: 99.00 %<br/>x dB: -26.00 dB</p> |  <p><b>IEEE 802.11n Channel 48 20MHz Antenna 0</b></p> <p>Center Freq 5.30000000 GHz<br/>#Res BW 220 kHz<br/>#VBW 430 kHz<br/>Span 30 MHz<br/>Sweep 1.066 ms</p> <p>Occupied Bandwidth: 17.533 MHz<br/>Total Power: 13.6 dBm<br/>Transmit Freq Error: -48.777 kHz<br/>x dB Bandwidth: 19.36 MHz<br/>OBW Power: 99.00 %<br/>x dB: -26.00 dB</p> |
|  <p><b>IEEE 802.11n Channel 52 20MHz Antenna 0</b></p> <p>Center Freq 5.32000000 GHz<br/>#Res BW 220 kHz<br/>#VBW 430 kHz<br/>Span 30 MHz<br/>Sweep 1.066 ms</p> <p>Occupied Bandwidth: 17.540 MHz<br/>Total Power: 12.5 dBm<br/>Transmit Freq Error: -36.276 kHz<br/>x dB Bandwidth: 19.32 MHz<br/>OBW Power: 99.00 %<br/>x dB: -26.00 dB</p> |  <p><b>IEEE 802.11n Channel 60 20MHz Antenna 0</b></p> <p>Center Freq 5.50000000 GHz<br/>#Res BW 220 kHz<br/>#VBW 430 kHz<br/>Span 30 MHz<br/>Sweep 1.066 ms</p> <p>Occupied Bandwidth: 17.539 MHz<br/>Total Power: 9.72 dBm<br/>Transmit Freq Error: -2.864 kHz<br/>x dB Bandwidth: 19.25 MHz<br/>OBW Power: 99.00 %<br/>x dB: -26.00 dB</p>  |
| <p><b>IEEE 802.11n Channel 64 20MHz Antenna 0</b></p>                                                                                                                                                                                                                                                                                                                                                                             | <p><b>IEEE 802.11n Channel 100 20MHz Antenna 0</b></p>                                                                                                                                                                                                                                                                                                                                                                             |

|                                                                                                                                            |                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>IEEE 802.11n Channel 120 20MHz Antenna 0</b></p>   |  <p><b>IEEE 802.11n Channel 140 20MHz Antenna 0</b></p>   |
|  <p><b>IEEE 802.11n Channel 38 40MHz Antenna 0</b></p>   |  <p><b>IEEE 802.11n Channel 46 40MHz Antenna 0</b></p>   |
|  <p><b>IEEE 802.11n Channel 54 40MHz Antenna 0</b></p>  |  <p><b>IEEE 802.11n Channel 62 40MHz Antenna 0</b></p>  |
|  <p><b>IEEE 802.11n Channel 102 40MHz Antenna 0</b></p> |  <p><b>IEEE 802.11n Channel 118 40MHz Antenna 0</b></p> |

|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>IEEE 802.11n Channel 134 40MHz Antenna 0</b></p> <p>Center Freq 5.670000000 GHz<br/>#Res BW 430 kHz<br/>#VBW 820 kHz<br/>Sweep 1 ms</p> <p>Occupied Bandwidth: 36.111 MHz<br/>Total Power: 13.0 dBm<br/>Transmit Freq Error: -576 Hz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 40.96 MHz<br/>x dB: -26.00 dB</p>           |  <p><b>IEEE 802.11ac Channel 36 20MHz Antenna 0</b></p> <p>Center Freq 5.180000000 GHz<br/>#Res BW 220 kHz<br/>#VBW 430 kHz<br/>Sweep 1.066 ms</p> <p>Occupied Bandwidth: 17.621 MHz<br/>Total Power: 16.1 dBm<br/>Transmit Freq Error: -7.922 kHz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 19.19 MHz<br/>x dB: -26.00 dB</p>     |
|  <p><b>IEEE 802.11ac Channel 40 20MHz Antenna 0</b></p> <p>Center Freq 5.200000000 GHz<br/>#Res BW 220 kHz<br/>#VBW 430 kHz<br/>Sweep 1.066 ms</p> <p>Occupied Bandwidth: 17.620 MHz<br/>Total Power: 16.0 dBm<br/>Transmit Freq Error: 1.879 kHz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 19.07 MHz<br/>x dB: -26.00 dB</p>    |  <p><b>IEEE 802.11ac Channel 48 20MHz Antenna 0</b></p> <p>Center Freq 5.240000000 GHz<br/>#Res BW 220 kHz<br/>#VBW 430 kHz<br/>Sweep 1.066 ms</p> <p>Occupied Bandwidth: 17.616 MHz<br/>Total Power: 17.6 dBm<br/>Transmit Freq Error: -39.615 kHz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 19.23 MHz<br/>x dB: -26.00 dB</p>   |
|  <p><b>IEEE 802.11ac Channel 52 20MHz Antenna 0</b></p> <p>Center Freq 5.260000000 GHz<br/>#Res BW 220 kHz<br/>#VBW 430 kHz<br/>Sweep 1.066 ms</p> <p>Occupied Bandwidth: 17.610 MHz<br/>Total Power: 15.6 dBm<br/>Transmit Freq Error: -23.507 kHz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 19.14 MHz<br/>x dB: -26.00 dB</p> |  <p><b>IEEE 802.11ac Channel 60 20MHz Antenna 0</b></p> <p>Center Freq 5.300000000 GHz<br/>#Res BW 220 kHz<br/>#VBW 430 kHz<br/>Sweep 1.066 ms</p> <p>Occupied Bandwidth: 17.584 MHz<br/>Total Power: 14.1 dBm<br/>Transmit Freq Error: -29.040 kHz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 19.14 MHz<br/>x dB: -26.00 dB</p>  |
|  <p><b>IEEE 802.11ac Channel 64 20MHz Antenna 0</b></p> <p>Center Freq 5.320000000 GHz<br/>#Res BW 220 kHz<br/>#VBW 430 kHz<br/>Sweep 1.066 ms</p> <p>Occupied Bandwidth: 17.621 MHz<br/>Total Power: 10.9 dBm<br/>Transmit Freq Error: -18.667 kHz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 19.14 MHz<br/>x dB: -26.00 dB</p> |  <p><b>IEEE 802.11ac Channel 100 20MHz Antenna 0</b></p> <p>Center Freq 5.500000000 GHz<br/>#Res BW 220 kHz<br/>#VBW 430 kHz<br/>Sweep 1.066 ms</p> <p>Occupied Bandwidth: 17.575 MHz<br/>Total Power: 11.9 dBm<br/>Transmit Freq Error: -13.324 kHz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 19.20 MHz<br/>x dB: -26.00 dB</p> |

|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>IEEE 802.11ac Channel 120 20MHz Antenna 0</b></p> <p>Center Freq: 5.600000000 GHz<br/>#Res BW: 220 kHz<br/>#VBW: 430 kHz<br/>Span: 30 MHz<br/>Sweep: 1.066 ms</p> <p>Occupied Bandwidth: 17.528 MHz<br/>Total Power: 9.89 dBm<br/>Transmit Freq Error: -8.393 kHz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 19.09 MHz x dB: -26.00 dB</p>   |  <p><b>IEEE 802.11ac Channel 140 20MHz Antenna 0</b></p> <p>Center Freq: 5.700000000 GHz<br/>#Res BW: 220 kHz<br/>#VBW: 430 kHz<br/>Span: 30 MHz<br/>Sweep: 1 ms</p> <p>Occupied Bandwidth: 17.587 MHz<br/>Total Power: 14.1 dBm<br/>Transmit Freq Error: -17.674 kHz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 19.21 MHz x dB: -26.00 dB</p>      |
|  <p><b>IEEE 802.11ac Channel 38 40MHz Antenna 0</b></p> <p>Center Freq: 5.190000000 GHz<br/>#Res BW: 430 kHz<br/>#VBW: 820 kHz<br/>Span: 60 MHz<br/>Sweep: 1.066 ms</p> <p>Occupied Bandwidth: 36.096 MHz<br/>Total Power: 15.9 dBm<br/>Transmit Freq Error: -26.295 kHz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 40.08 MHz x dB: -26.00 dB</p>  |  <p><b>IEEE 802.11ac Channel 46 40MHz Antenna 0</b></p> <p>Center Freq: 5.230000000 GHz<br/>#Res BW: 430 kHz<br/>#VBW: 820 kHz<br/>Span: 60 MHz<br/>Sweep: 1.066 ms</p> <p>Occupied Bandwidth: 36.121 MHz<br/>Total Power: 16.7 dBm<br/>Transmit Freq Error: -62.577 kHz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 39.67 MHz x dB: -26.00 dB</p>  |
|  <p><b>IEEE 802.11ac Channel 54 40MHz Antenna 0</b></p> <p>Center Freq: 5.270000000 GHz<br/>#Res BW: 430 kHz<br/>#VBW: 820 kHz<br/>Span: 60 MHz<br/>Sweep: 1.066 ms</p> <p>Occupied Bandwidth: 35.998 MHz<br/>Total Power: 9.03 dBm<br/>Transmit Freq Error: 7.097 kHz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 39.68 MHz x dB: -26.00 dB</p>   |  <p><b>IEEE 802.11ac Channel 62 40MHz Antenna 0</b></p> <p>Center Freq: 5.310000000 GHz<br/>#Res BW: 430 kHz<br/>#VBW: 820 kHz<br/>Span: 60 MHz<br/>Sweep: 1.066 ms</p> <p>Occupied Bandwidth: 35.905 MHz<br/>Total Power: 8.19 dBm<br/>Transmit Freq Error: -141.12 kHz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 40.07 MHz x dB: -26.00 dB</p> |
|  <p><b>IEEE 802.11ac Channel 102 40MHz Antenna 0</b></p> <p>Center Freq: 5.510000000 GHz<br/>#Res BW: 430 kHz<br/>#VBW: 820 kHz<br/>Span: 60 MHz<br/>Sweep: 1.066 ms</p> <p>Occupied Bandwidth: 36.131 MHz<br/>Total Power: 0.03 dBm<br/>Transmit Freq Error: 31.096 kHz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 40.75 MHz x dB: -26.00 dB</p> |  <p><b>IEEE 802.11ac Channel 118 40MHz Antenna 0</b></p> <p>Center Freq: 5.590000000 GHz<br/>#Res BW: 430 kHz<br/>#VBW: 820 kHz<br/>Span: 60 MHz<br/>Sweep: 1.066 ms</p> <p>Occupied Bandwidth: 35.925 MHz<br/>Total Power: 6.60 dBm<br/>Transmit Freq Error: 165.02 kHz<br/>OBW Power: 99.00 %<br/>x dB Bandwidth: 39.71 MHz x dB: -26.00 dB</p> |

|                                                                                                                                             |                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>IEEE 802.11ac_Channel 134_40MHz_Antenna 0</b></p>   |  <p><b>IEEE 802.11ac_Channel 42_80MHz_Antenna 0</b></p>   |
|  <p><b>IEEE 802.11ac_Channel 58_80MHz_Antenna 0</b></p>   |  <p><b>IEEE 802.11ac_Channel 106_80MHz_Antenna 0</b></p> |
|  <p><b>IEEE 802.11ac_Channel 122_80MHz_Antenna 0</b></p> |                                                                                                                                             |

## Appendix C.5: Test Results of Power Spectral Density

### Test Result

| Mode             | Channel | Ant. 0<br>Corr'd PSD<br>(dBm/MHz) | Ant. 1<br>Corr'd PSD<br>(dBm/MHz) | Ant. MIMO<br>Corr'd PSD<br>(dBm/MHz) | Limit<br>(dBm/MHz) | Result |
|------------------|---------|-----------------------------------|-----------------------------------|--------------------------------------|--------------------|--------|
| IEEE 802.11a     | 36      | -5.638                            | -7.298                            | -3.379                               | 11                 | PASS   |
|                  | 40      | -5.327                            | -8.308                            | -3.556                               |                    | PASS   |
|                  | 48      | -5.612                            | -8.264                            | -3.728                               |                    | PASS   |
|                  | 52      | -1.763                            | -5.347                            | -0.185                               |                    | PASS   |
|                  | 60      | -3.403                            | -3.973                            | -0.668                               |                    | PASS   |
|                  | 64      | -4.158                            | -4.422                            | -1.278                               |                    | PASS   |
|                  | 100     | -6.693                            | -7.057                            | -3.861                               |                    | PASS   |
|                  | 120     | -7.461                            | -5.618                            | -3.432                               |                    | PASS   |
| IEEE 802.11n_20  | 140     | -4.578                            | -4.271                            | -1.411                               |                    | PASS   |
|                  | 36      | -5.582                            | -7.762                            | -3.526                               |                    | PASS   |
|                  | 40      | -6.622                            | -8.085                            | -4.282                               |                    | PASS   |
|                  | 48      | -5.576                            | -9.296                            | -4.039                               |                    | PASS   |
|                  | 52      | -2.224                            | -5.138                            | -0.431                               |                    | PASS   |
|                  | 60      | -3.74                             | -4.023                            | -0.869                               |                    | PASS   |
|                  | 64      | -4.647                            | -4.697                            | -1.662                               |                    | PASS   |
|                  | 100     | -7.086                            | -7.365                            | -4.213                               |                    | PASS   |
| IEEE 802.11n_40  | 120     | -5.766                            | -6.165                            | -2.951                               |                    | PASS   |
|                  | 140     | -4.934                            | -4.387                            | -1.642                               |                    | PASS   |
|                  | 38      | -8.519                            | -11.543                           | -6.763                               |                    | PASS   |
|                  | 46      | -8.715                            | -12.622                           | -7.233                               |                    | PASS   |
|                  | 54      | -4.722                            | -7.787                            | -2.979                               |                    | PASS   |
|                  | 62      | -6.896                            | -7.287                            | -4.077                               |                    | PASS   |
|                  | 102     | -8.528                            | -9.899                            | -6.149                               |                    | PASS   |
| IEEE 802.11ac_20 | 118     | -6.445                            | -10.142                           | -4.901                               |                    | PASS   |
|                  | 134     | -7.632                            | -7.912                            | -4.759                               |                    | PASS   |
|                  | 36      | -0.081                            | -2.029                            | -2.064                               |                    | PASS   |
|                  | 40      | -0.256                            | -2.355                            | -1.830                               |                    | PASS   |
|                  | 48      | 1.424                             | -2.034                            | -3.041                               |                    | PASS   |
|                  | 52      | -2.593                            | -5.826                            | -0.905                               |                    | PASS   |
|                  | 60      | -2.44                             | -3.113                            | -0.247                               |                    | PASS   |
|                  | 64      | -5.064                            | -6.194                            | -2.582                               |                    | PASS   |
| IEEE 802.11ac_40 | 100     | -4.275                            | -5.717                            | -1.926                               |                    | PASS   |
|                  | 120     | -6.159                            | -3.995                            | -1.933                               |                    | PASS   |
|                  | 134     | -4.696                            | -2.654                            | -0.546                               |                    | PASS   |
|                  | 38      | -3.279                            | -11.543                           | -2.675                               |                    | PASS   |
|                  | 46      | -2.545                            | -12.622                           | -2.138                               |                    | PASS   |
|                  | 54      | -10.573                           | -12.776                           | -8.526                               |                    | PASS   |
|                  | 62      | -9.782                            | -11.676                           | -7.616                               |                    | PASS   |
| IEEE 802.11ac_80 | 102     | -6.902                            | -8.345                            | -4.554                               |                    | PASS   |
|                  | 118     | -4.903                            | -9.192                            | -3.528                               |                    | PASS   |
|                  | 134     | -5.439                            | -9.313                            | -3.947                               |                    | PASS   |
|                  | 42      | -6.995                            | -8.981                            | -4.865                               |                    | PASS   |
| IEEE 802.11ac_80 | 58      | -5.223                            | -10.372                           | -4.065                               |                    | PASS   |
|                  | 106     | -4.015                            | -5.437                            | -1.658                               |                    | PASS   |
|                  | 122     | -9.641                            | -3.783                            | -2.781                               |                    | PASS   |

Note: Max. PSD for 5150-5250MHz is -1.830 dBm/MHz, e.i.r.p. spectral density for 5150-5250MHz is 0.75 dBm/MHz that is less than 10dBm/MHz.

## Test Result

| Mode             | Channel | Ant. 0<br>Meas PSD<br>(dBm/MHz) | Ant. 0<br>Corr'd PSD<br>(dBm/MHz) | Limit<br>(dBm/MHz) | Result |
|------------------|---------|---------------------------------|-----------------------------------|--------------------|--------|
| IEEE 802.11a     | 36      | -5.780                          | -5.638                            | 11                 | PASS   |
|                  | 40      | -5.469                          | -5.327                            |                    | PASS   |
|                  | 48      | -5.754                          | -5.612                            |                    | PASS   |
|                  | 52      | -2.082                          | -1.763                            |                    | PASS   |
|                  | 60      | -3.722                          | -3.403                            |                    | PASS   |
|                  | 64      | -4.477                          | -4.158                            |                    | PASS   |
|                  | 100     | -7.012                          | -6.693                            |                    | PASS   |
|                  | 120     | -7.780                          | -7.461                            |                    | PASS   |
|                  | 140     | -4.897                          | -4.578                            |                    | PASS   |
| IEEE 802.11n_20  | 36      | -5.882                          | -5.582                            |                    | PASS   |
|                  | 40      | -6.922                          | -6.622                            |                    | PASS   |
|                  | 48      | -5.876                          | -5.576                            |                    | PASS   |
|                  | 52      | -2.376                          | -2.224                            |                    | PASS   |
|                  | 60      | -3.892                          | -3.74                             |                    | PASS   |
|                  | 64      | -4.800                          | -4.647                            |                    | PASS   |
|                  | 100     | -7.238                          | -7.086                            |                    | PASS   |
|                  | 120     | -5.919                          | -5.766                            |                    | PASS   |
|                  | 140     | -5.087                          | -4.934                            |                    | PASS   |
| IEEE 802.11n_40  | 38      | -9.341                          | -8.519                            |                    | PASS   |
|                  | 46      | -9.537                          | -8.715                            |                    | PASS   |
|                  | 54      | -5.544                          | -4.722                            |                    | PASS   |
|                  | 62      | -7.718                          | -6.896                            |                    | PASS   |
|                  | 102     | -9.350                          | -8.528                            |                    | PASS   |
|                  | 118     | -7.267                          | -6.445                            |                    | PASS   |
| IEEE 802.11ac_20 | 134     | -8.454                          | -7.632                            |                    | PASS   |
|                  | 36      | -3.315                          | -0.081                            |                    | PASS   |
|                  | 40      | -3.490                          | -0.256                            |                    | PASS   |
|                  | 48      | -1.810                          | 1.424                             |                    | PASS   |
|                  | 52      | -5.747                          | -2.593                            |                    | PASS   |
|                  | 60      | -5.674                          | -2.44                             |                    | PASS   |
|                  | 64      | -8.298                          | -5.064                            |                    | PASS   |
|                  | 100     | -7.509                          | -4.275                            |                    | PASS   |
| IEEE 802.11ac_40 | 120     | -9.393                          | -6.159                            |                    | PASS   |
|                  | 134     | -7.930                          | -4.696                            |                    | PASS   |
|                  | 38      | -7.159                          | -3.279                            |                    | PASS   |
|                  | 46      | -6.425                          | -2.545                            |                    | PASS   |
|                  | 54      | -15.175                         | -10.573                           |                    | PASS   |
|                  | 62      | -14.384                         | -9.782                            |                    | PASS   |
|                  | 102     | -11.079                         | -6.902                            |                    | PASS   |
| IEEE 802.11ac_80 | 118     | -9.505                          | -4.903                            |                    | PASS   |
|                  | 134     | -10.041                         | -5.439                            |                    | PASS   |
|                  | 42      | -12.827                         | -6.995                            |                    | PASS   |
|                  | 58      | -11.055                         | -5.223                            |                    | PASS   |
|                  | 106     | -10.109                         | -4.015                            |                    | PASS   |
|                  | 122     | -15.473                         | -9.641                            |                    | PASS   |

## Test Graphs



IEEE 802.11a Channel 36 20MHz Antenna 0



IEEE 802.11a Channel 40 20MHz Antenna 0



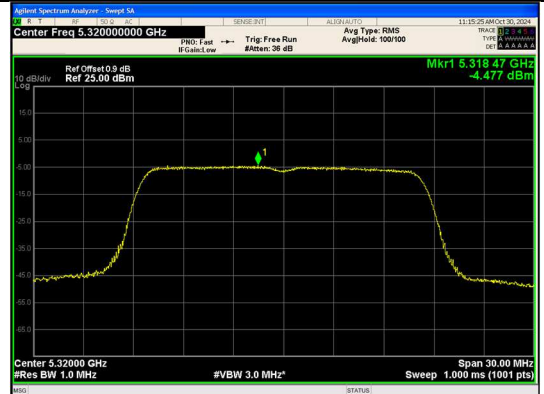
IEEE 802.11a Channel 48 20MHz Antenna 0



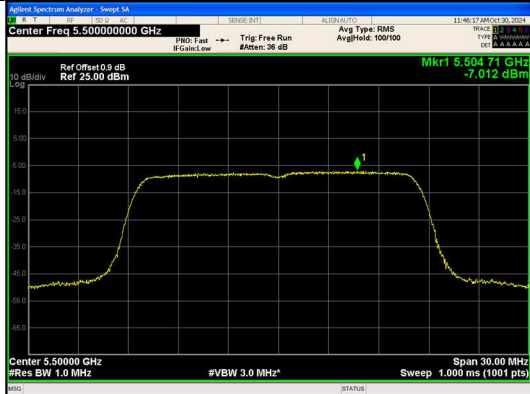
IEEE 802.11a Channel 52 20MHz Antenna 0



IEEE 802.11a Channel 60 20MHz Antenna 0



IEEE 802.11a Channel 64 20MHz Antenna 0



IEEE 802.11a Channel 100 20MHz Antenna 0



IEEE 802.11a Channel 120 20MHz Antenna 0

