

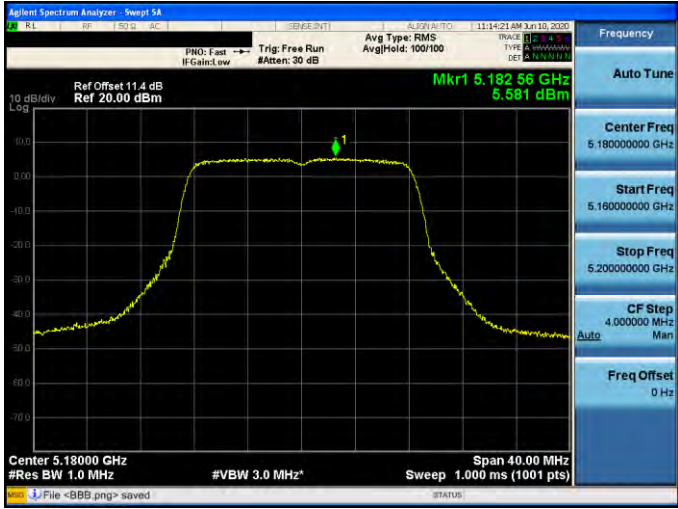
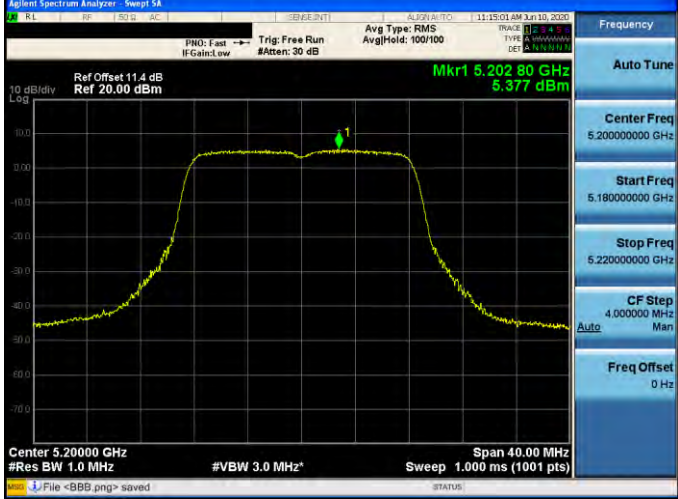
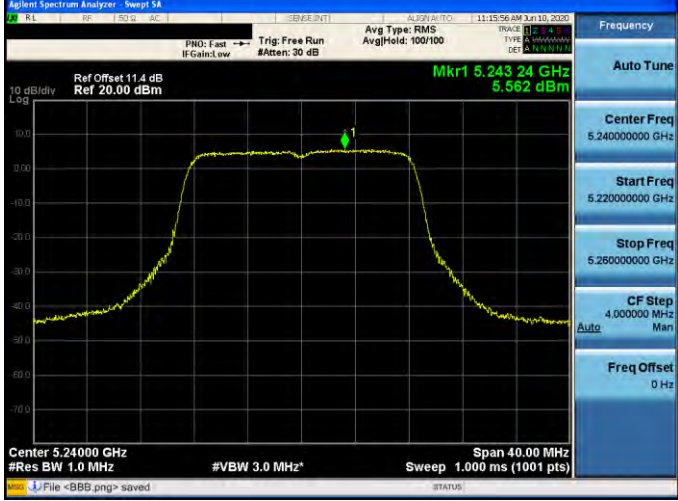
|                                  |                                                 |                     |                             |                        |
|----------------------------------|-------------------------------------------------|---------------------|-----------------------------|------------------------|
| Test Mode                        | Mode 8: IEEE 802.11ax 80 MHz Continuous TX mode |                     |                             |                        |
| Conducted power spectral density |                                                 |                     |                             |                        |
| Frequency<br>(MHz)               | ANT-0                                           |                     |                             |                        |
|                                  | Measurement<br>(dBm/100 kHz)                    | Duty Factor<br>(dB) | Calculated<br>(dBm/500 kHz) | Limit<br>(dBm/500 kHz) |
| 5775                             | -14.595                                         | 0.244               | -7.362                      | ≤ 25.31                |
| Frequency<br>(MHz)               | ANT-1                                           |                     |                             |                        |
|                                  | Measurement<br>(dBm/100 kHz)                    | Duty Factor<br>(dB) | Calculated<br>(dBm/500 kHz) | Limit<br>(dBm/500 kHz) |
| 5775                             | -14.431                                         | 0.244               | -7.198                      | ≤ 25.31                |
| Frequency<br>(MHz)               | ANT-2                                           |                     |                             |                        |
|                                  | Measurement<br>(dBm/100 kHz)                    | Duty Factor<br>(dB) | Calculated<br>(dBm/500 kHz) | Limit<br>(dBm/500 kHz) |
| 5775                             | -13.336                                         | 0.244               | -6.103                      | ≤ 25.31                |
| Frequency<br>(MHz)               | ANT-3                                           |                     |                             |                        |
|                                  | Measurement<br>(dBm/100 kHz)                    | Duty Factor<br>(dB) | Calculated<br>(dBm/500 kHz) | Limit<br>(dBm/500 kHz) |
| 5775                             | -14.143                                         | 0.244               | -6.910                      | ≤ 25.31                |
| Frequency<br>(MHz)               | ANT-0+1+2+3                                     |                     |                             | Limit<br>(dBm/500 kHz) |
|                                  | Calculated<br>(dBm/500 kHz)                     |                     |                             |                        |
| 5775                             | -0.845                                          |                     |                             | ≤ 25.31                |

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

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



■ Test Graphs

|                                                |                                                                                      |
|------------------------------------------------|--------------------------------------------------------------------------------------|
| Mode 2: IEEE 802.11a Continuous TX mode _ANT-0 |    |
| 5200 MHz                                       |   |
| 5240 MHz                                       |  |



Mode 2: IEEE 802.11a Continuous TX mode \_ANT-0

|          |                                                                                      |
|----------|--------------------------------------------------------------------------------------|
| 5745 MHz |    |
| 5785 MHz |   |
| 5825 MHz |  |



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

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

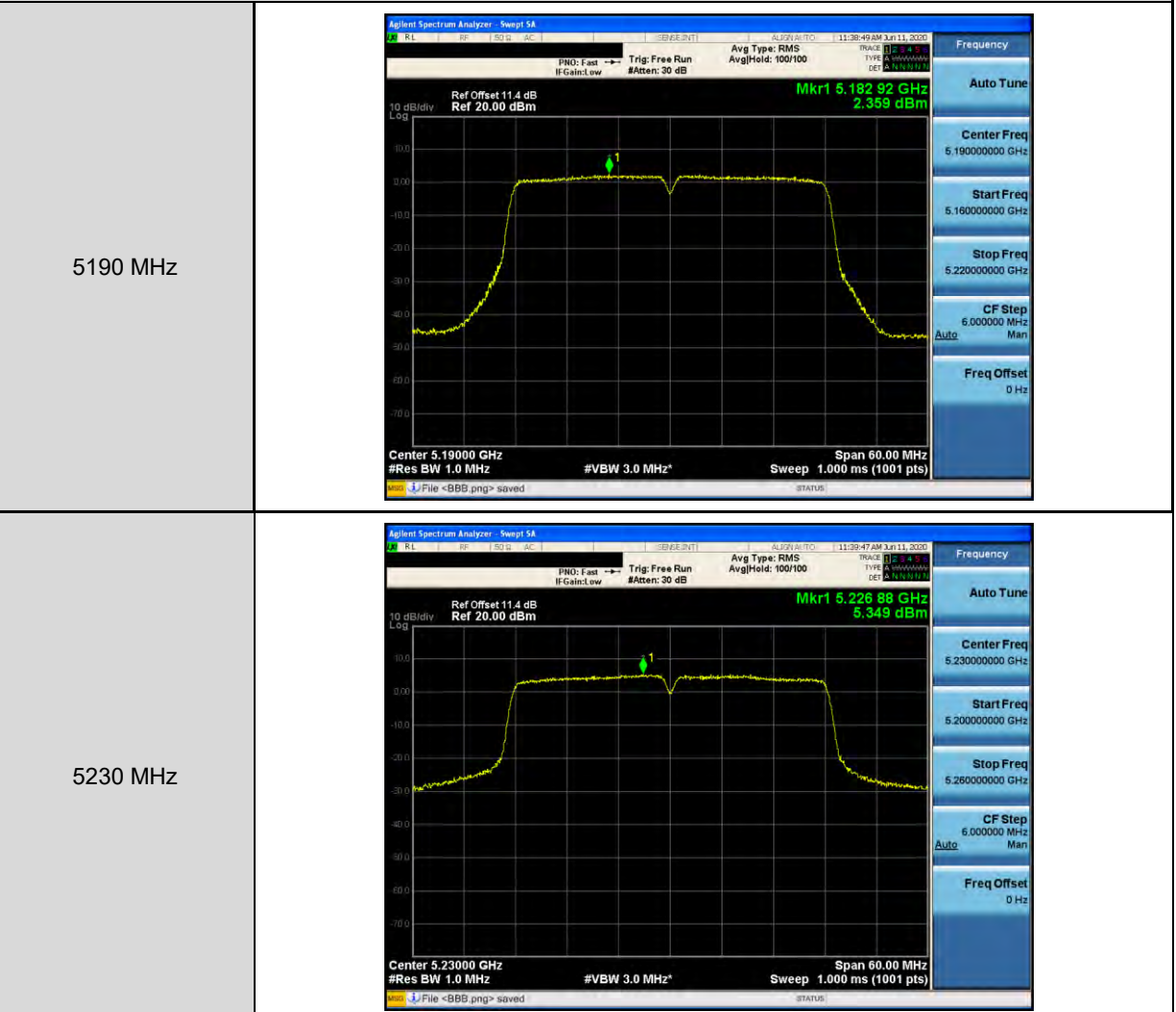


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode\_ANT-0

|          |                                                                                      |
|----------|--------------------------------------------------------------------------------------|
| 5745 MHz |    |
| 5785 MHz |   |
| 5825 MHz |  |



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode\_ANT-0





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



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-0

5210 MHz



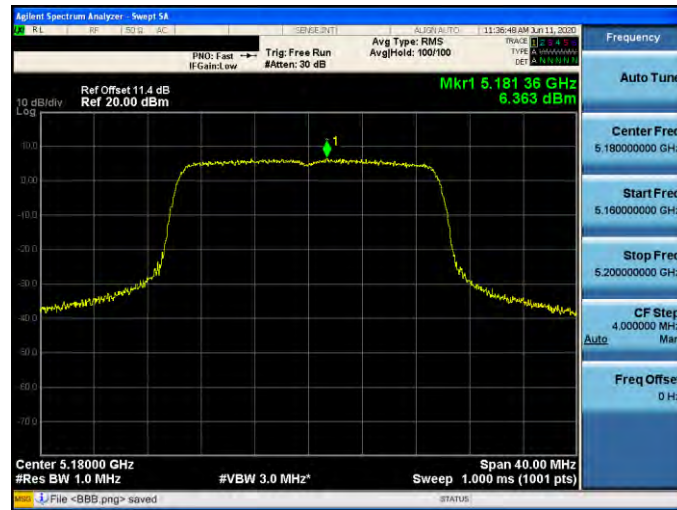
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-0

5775 MHz



Mode 6: IEEE 802.11ax 20 MHz Continuous TX mode\_ANT-0

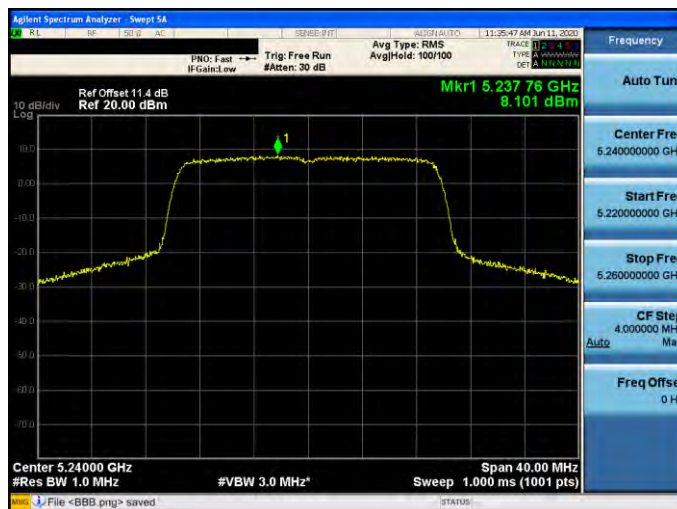
5180 MHz



5200 MHz



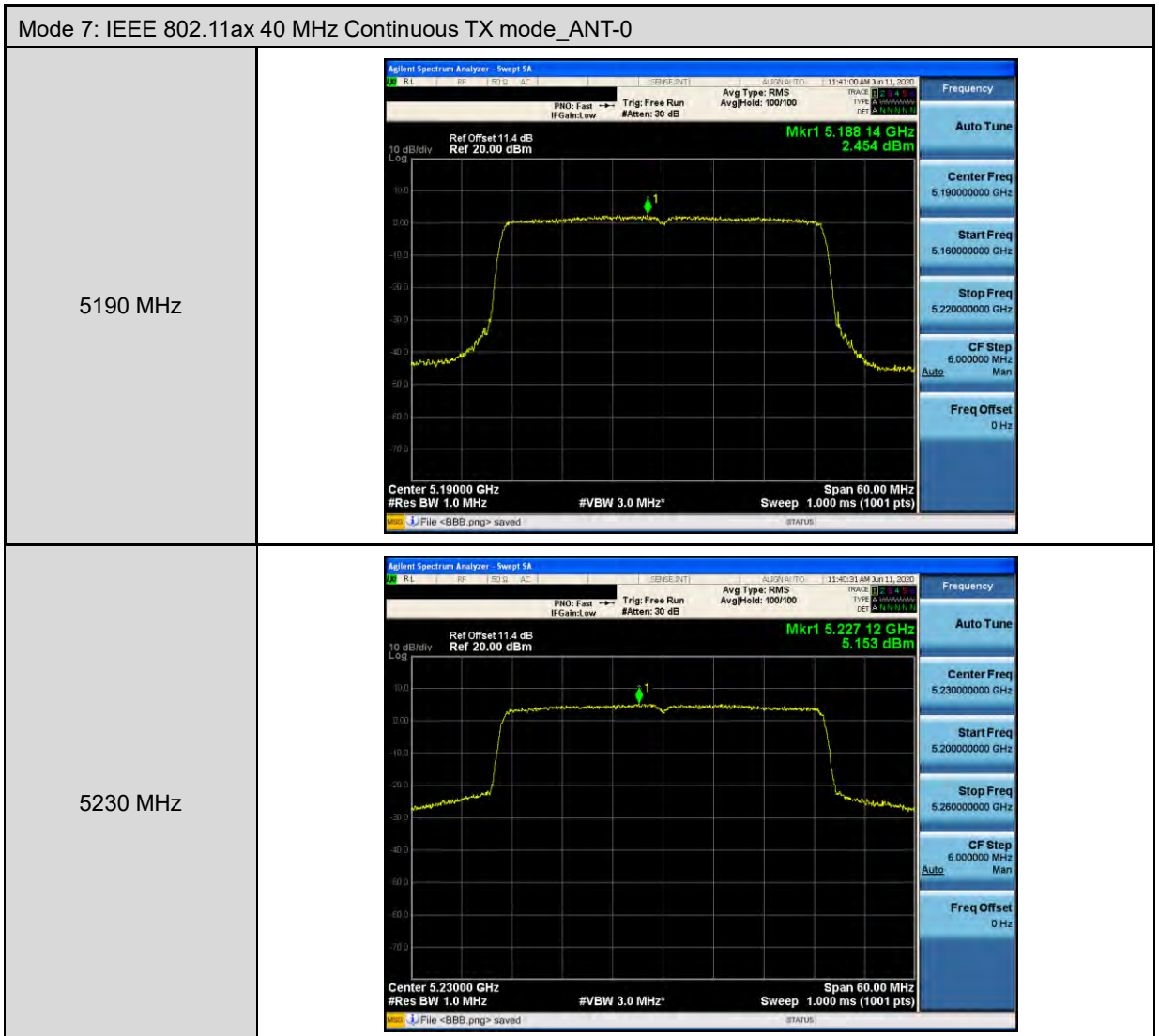
5240 MHz

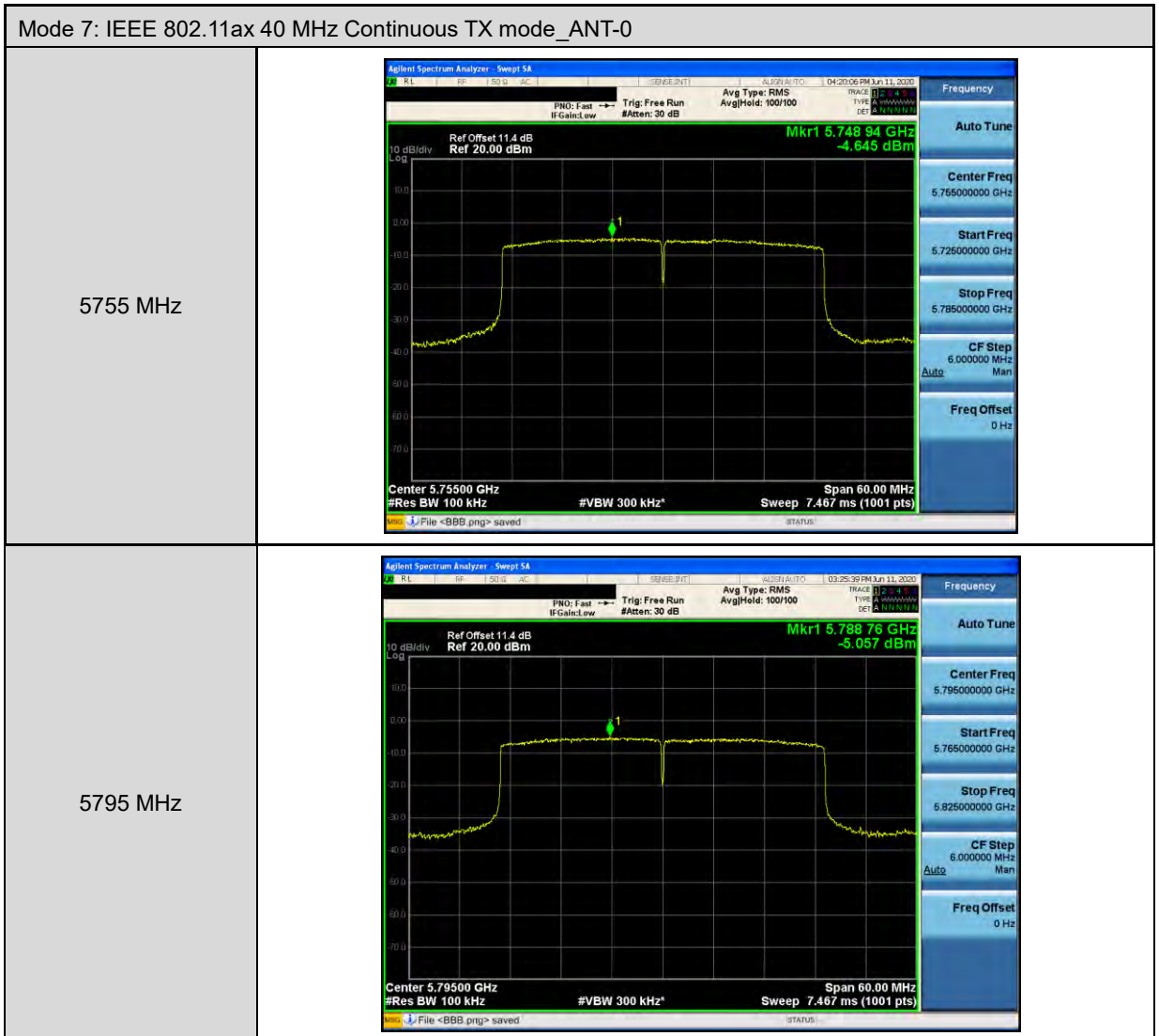




Mode 6: IEEE 802.11ax 20 MHz Continuous TX mode\_ANT-0

|          |                                                                                      |
|----------|--------------------------------------------------------------------------------------|
| 5745 MHz |    |
| 5785 MHz |   |
| 5825 MHz |  |





Mode 8: IEEE 802.11ax 80 MHz Continuous TX mode\_ANT-0

5210 MHz



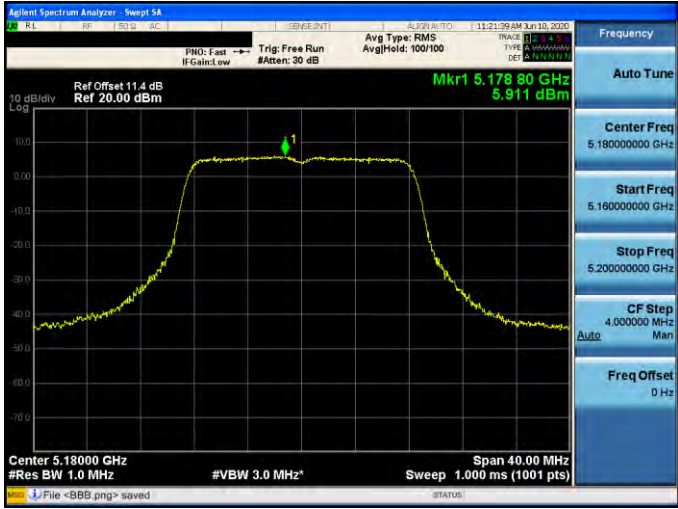
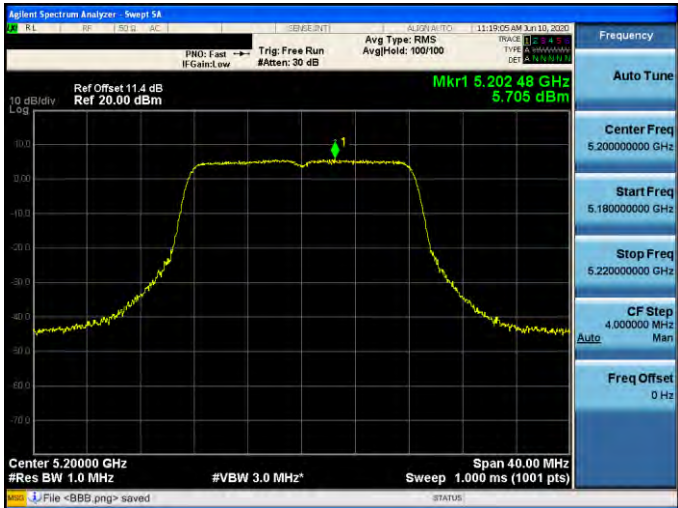
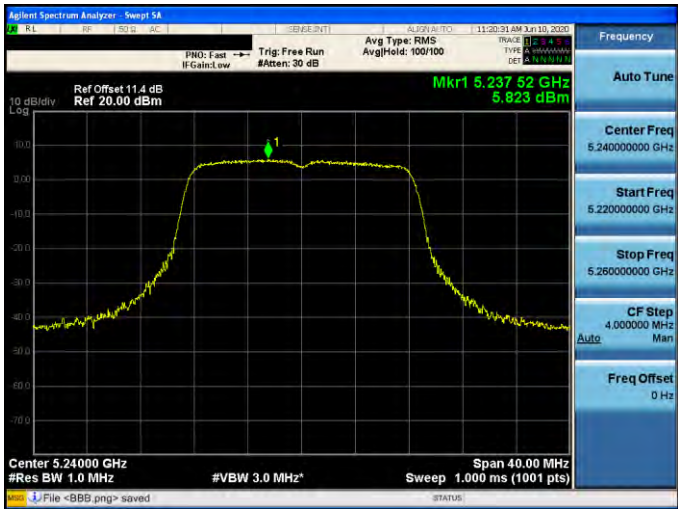
Mode 8: IEEE 802.11ax 80 MHz Continuous TX mode\_ANT-0

5775 MHz



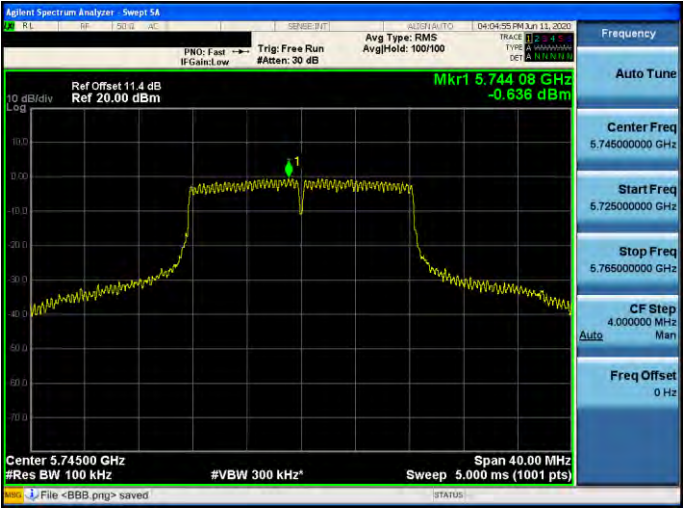


Mode 2: IEEE 802.11a Continuous TX mode \_ANT-1

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



Mode 2: IEEE 802.11a Continuous TX mode \_ANT-1

|          |                                                                                      |
|----------|--------------------------------------------------------------------------------------|
| 5745 MHz |    |
| 5785 MHz |   |
| 5825 MHz |  |



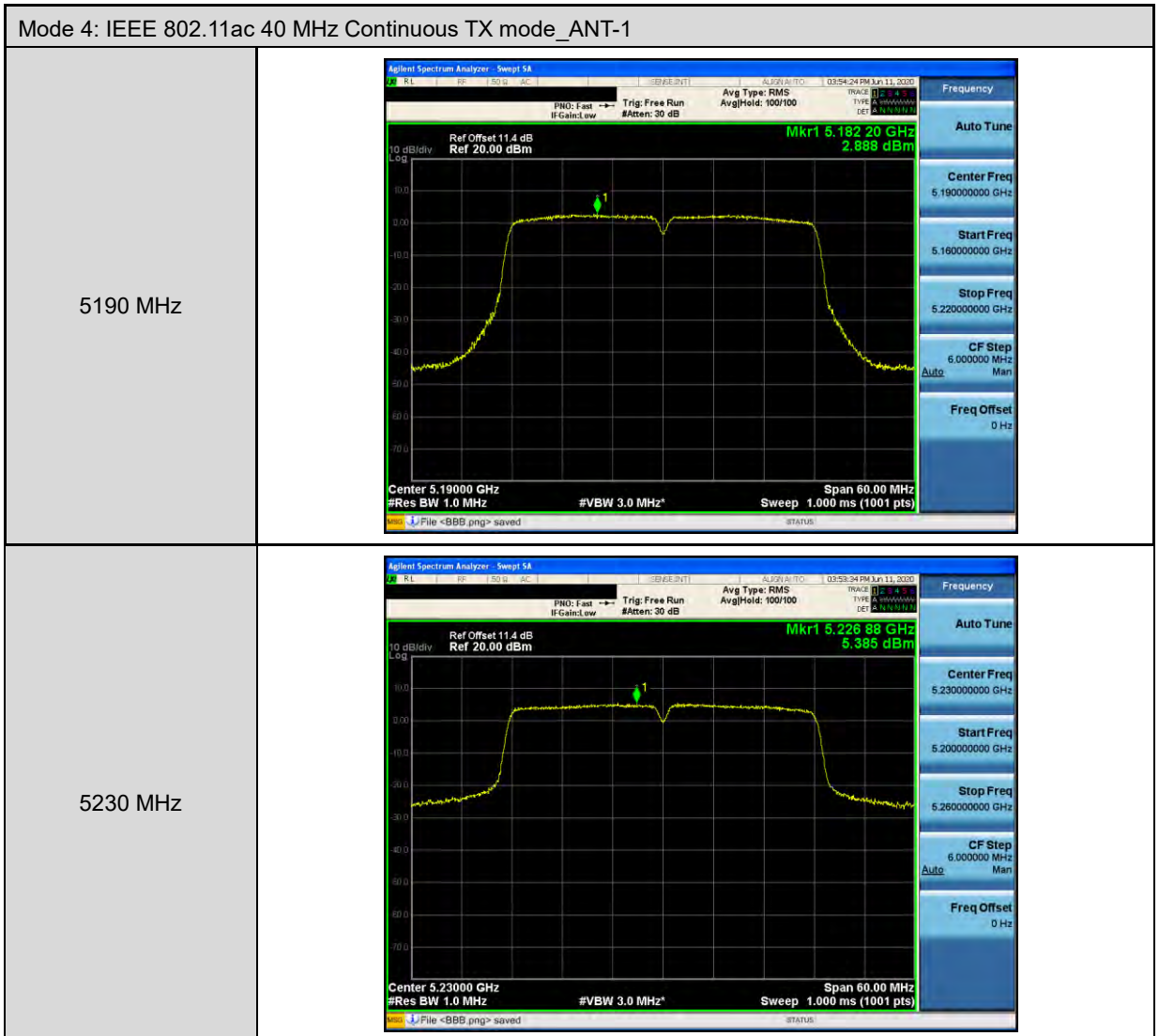
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode\_ANT-1

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

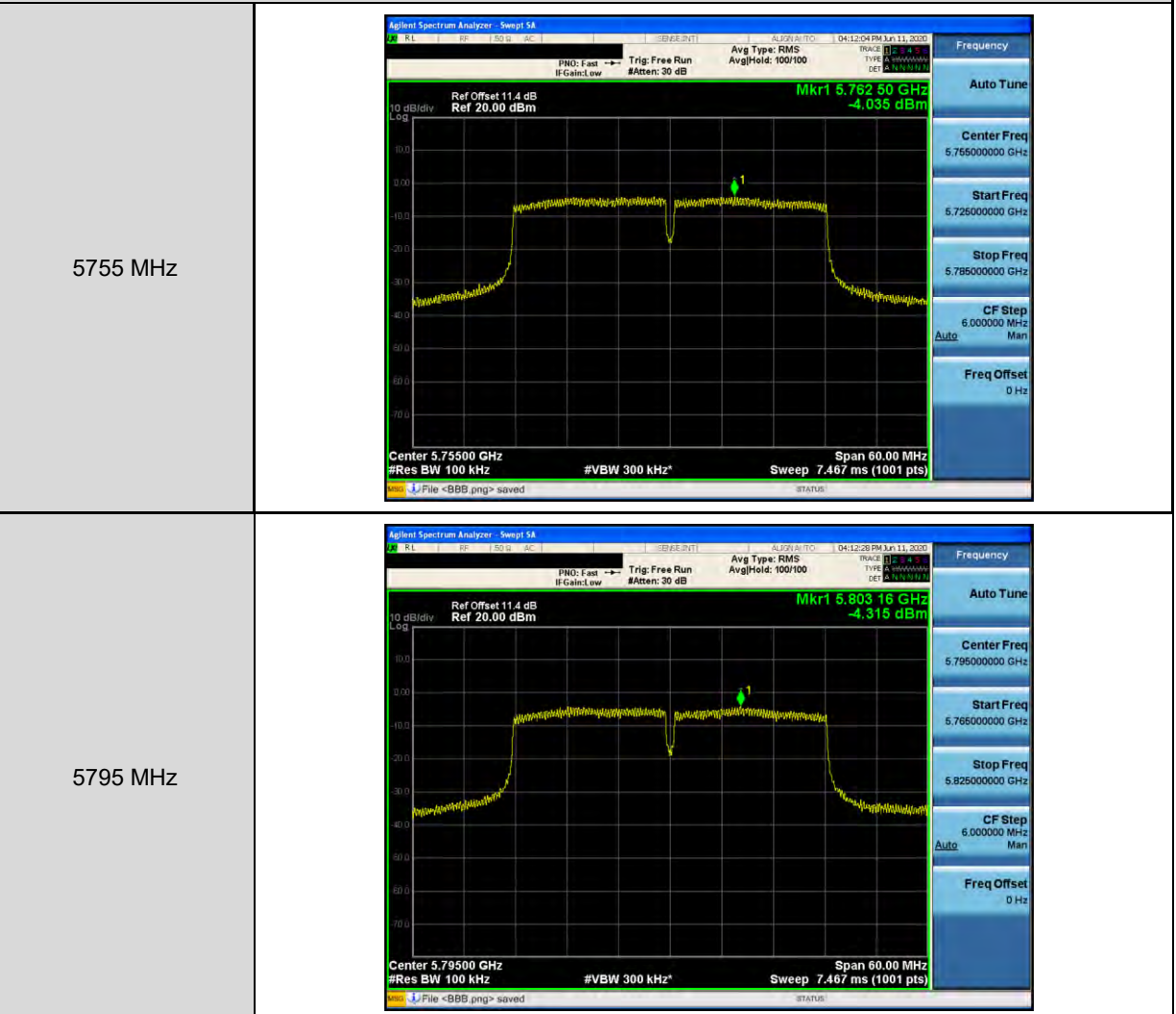


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode\_ANT-1

|          |                                                                                      |
|----------|--------------------------------------------------------------------------------------|
| 5745 MHz |    |
| 5785 MHz |   |
| 5825 MHz |  |



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode\_ANT-1





Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-1



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-1





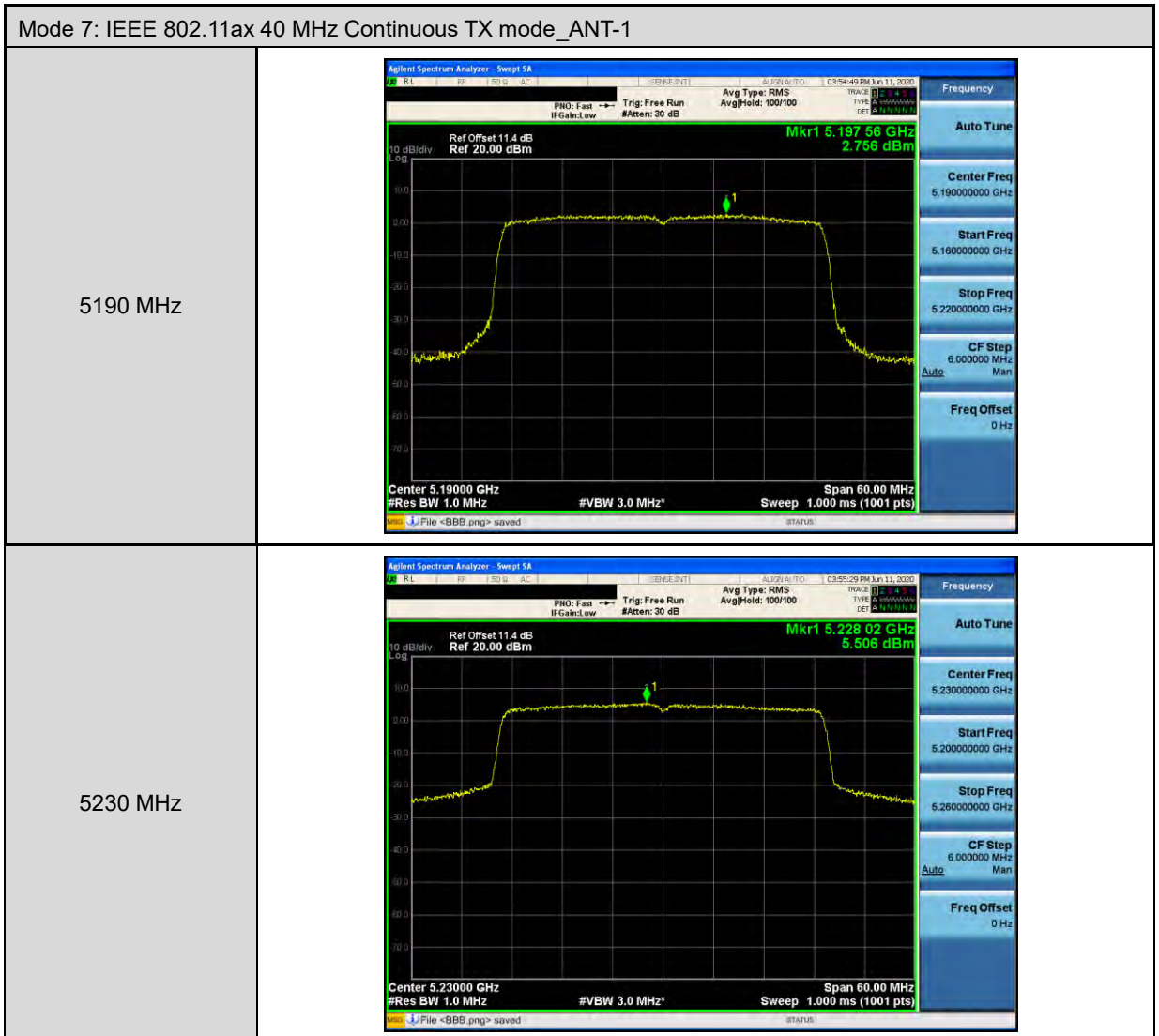
Mode 6: IEEE 802.11ax 20 MHz Continuous TX mode\_ANT-1

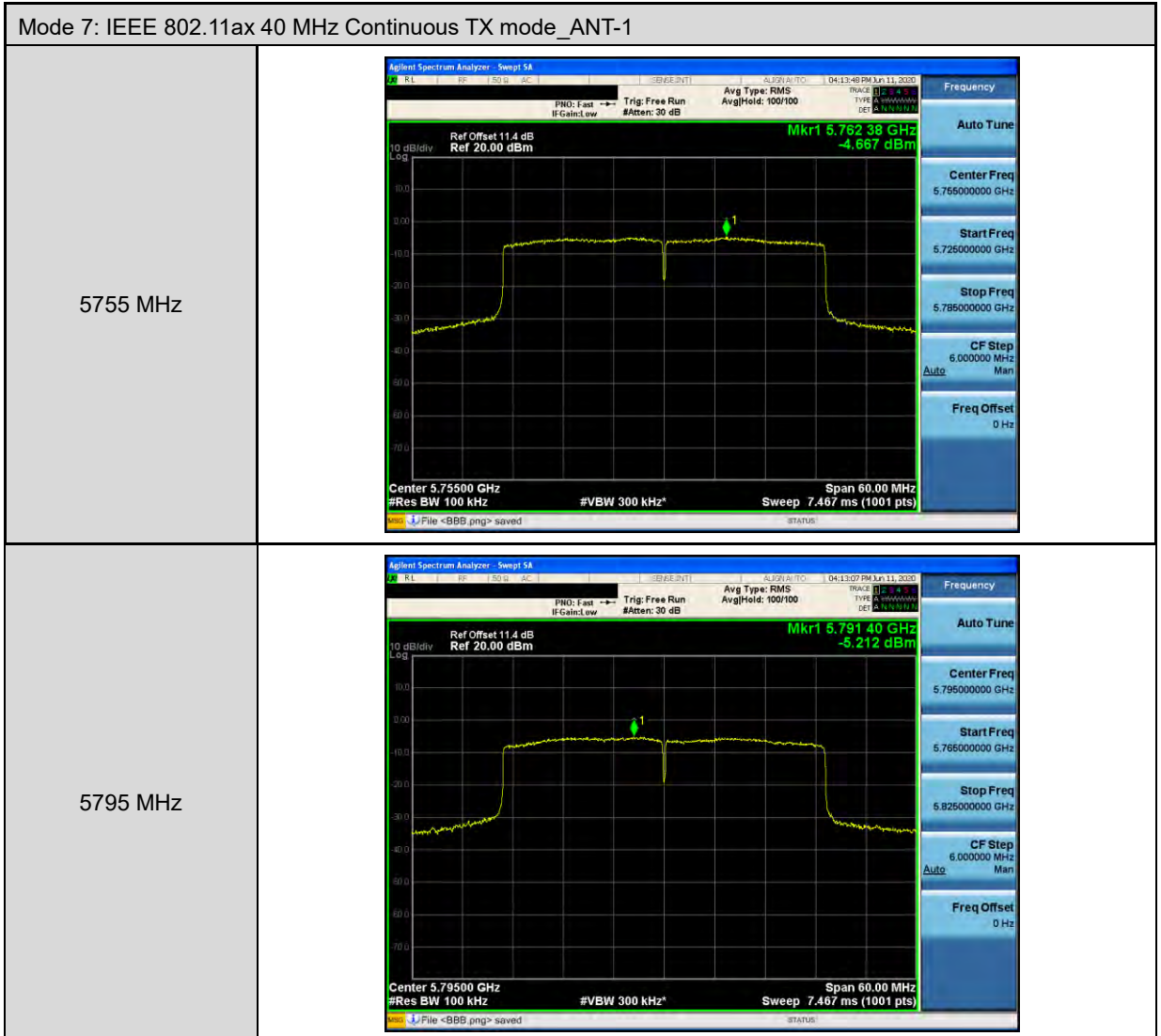
|          |                                                                                      |
|----------|--------------------------------------------------------------------------------------|
| 5180 MHz |    |
| 5200 MHz |   |
| 5240 MHz |  |



Mode 6: IEEE 802.11ax 20 MHz Continuous TX mode\_ANT-1

|          |                                                                                      |
|----------|--------------------------------------------------------------------------------------|
| 5745 MHz |    |
| 5785 MHz |   |
| 5825 MHz |  |





Mode 8: IEEE 802.11ax 80 MHz Continuous TX mode\_ANT-1

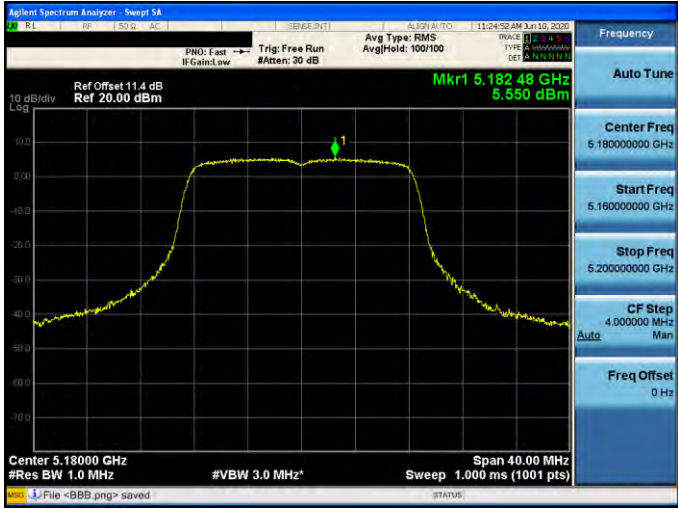
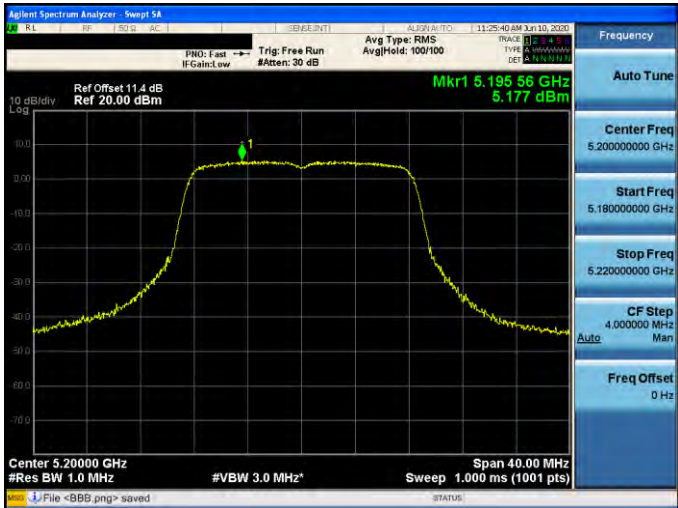


Mode 8: IEEE 802.11ax 80 MHz Continuous TX mode\_ANT-1





Mode 2: IEEE 802.11a Continuous TX mode \_ANT-2

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



Mode 2: IEEE 802.11a Continuous TX mode \_ANT-2

|          |                                                                                      |
|----------|--------------------------------------------------------------------------------------|
| 5745 MHz |    |
| 5785 MHz |   |
| 5825 MHz |  |



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode\_ANT-2

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



Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode\_ANT-2

|          |                                                                                      |
|----------|--------------------------------------------------------------------------------------|
| 5745 MHz |    |
| 5785 MHz |   |
| 5825 MHz |  |



| Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode_ANT-2 |                                                                                     |
|-------------------------------------------------------|-------------------------------------------------------------------------------------|
| 5190 MHz                                              |   |
| 5230 MHz                                              |  |



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode\_ANT-2



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-2

5210 MHz



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-2

5775 MHz



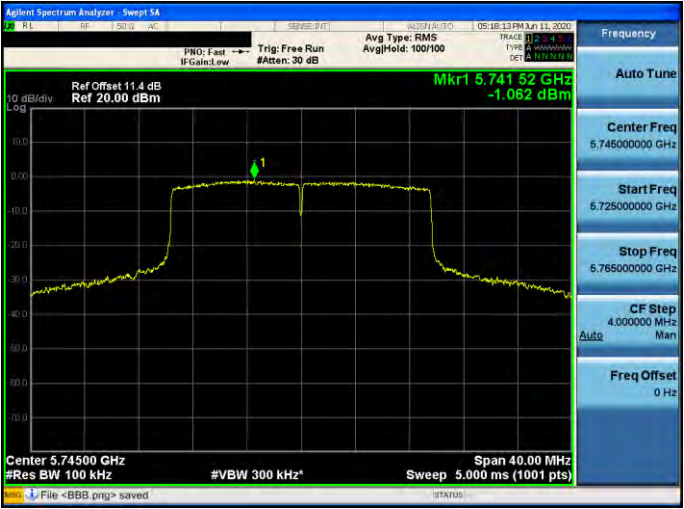


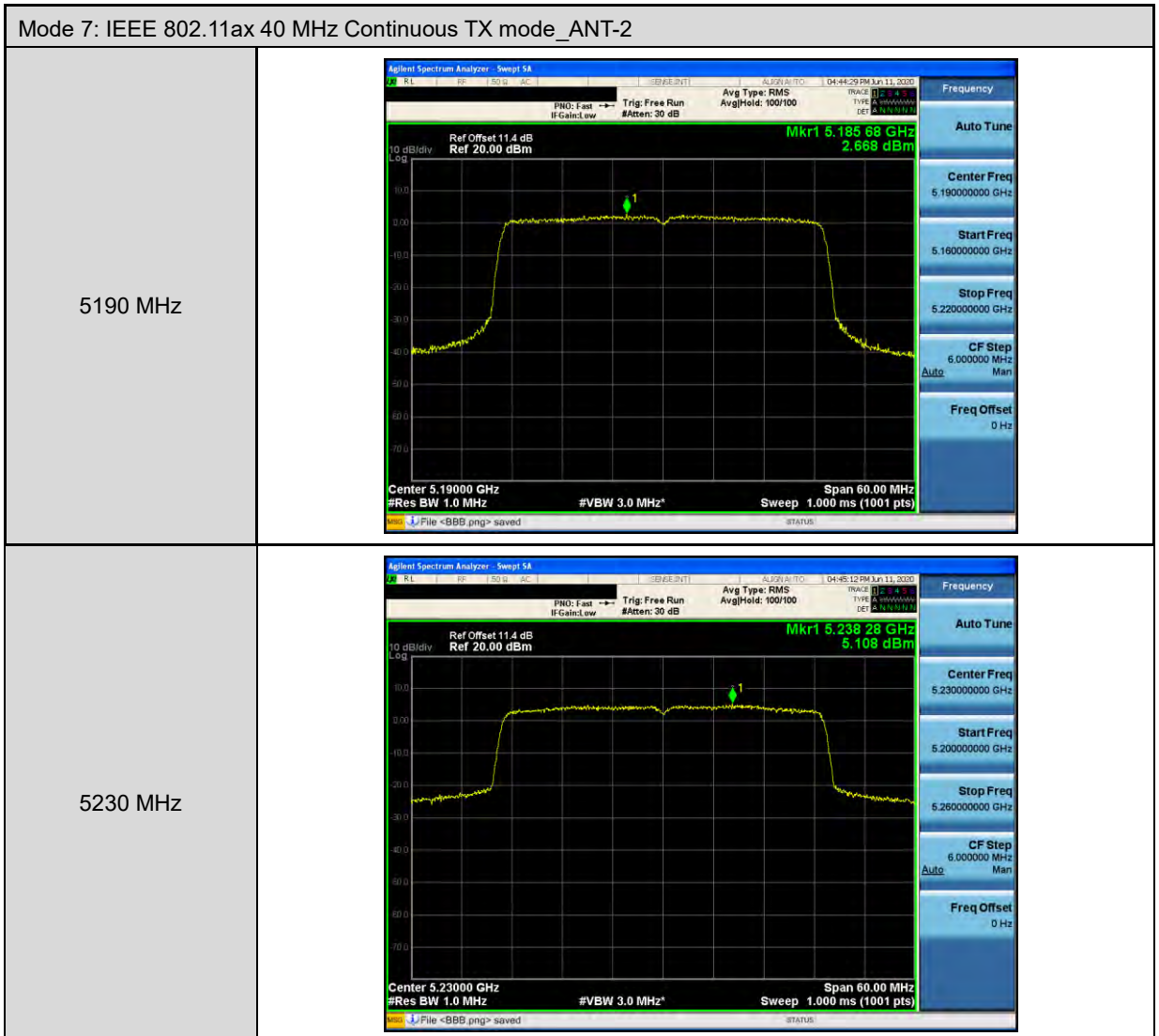
Mode 6: IEEE 802.11ax 20 MHz Continuous TX mode\_ANT-2

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



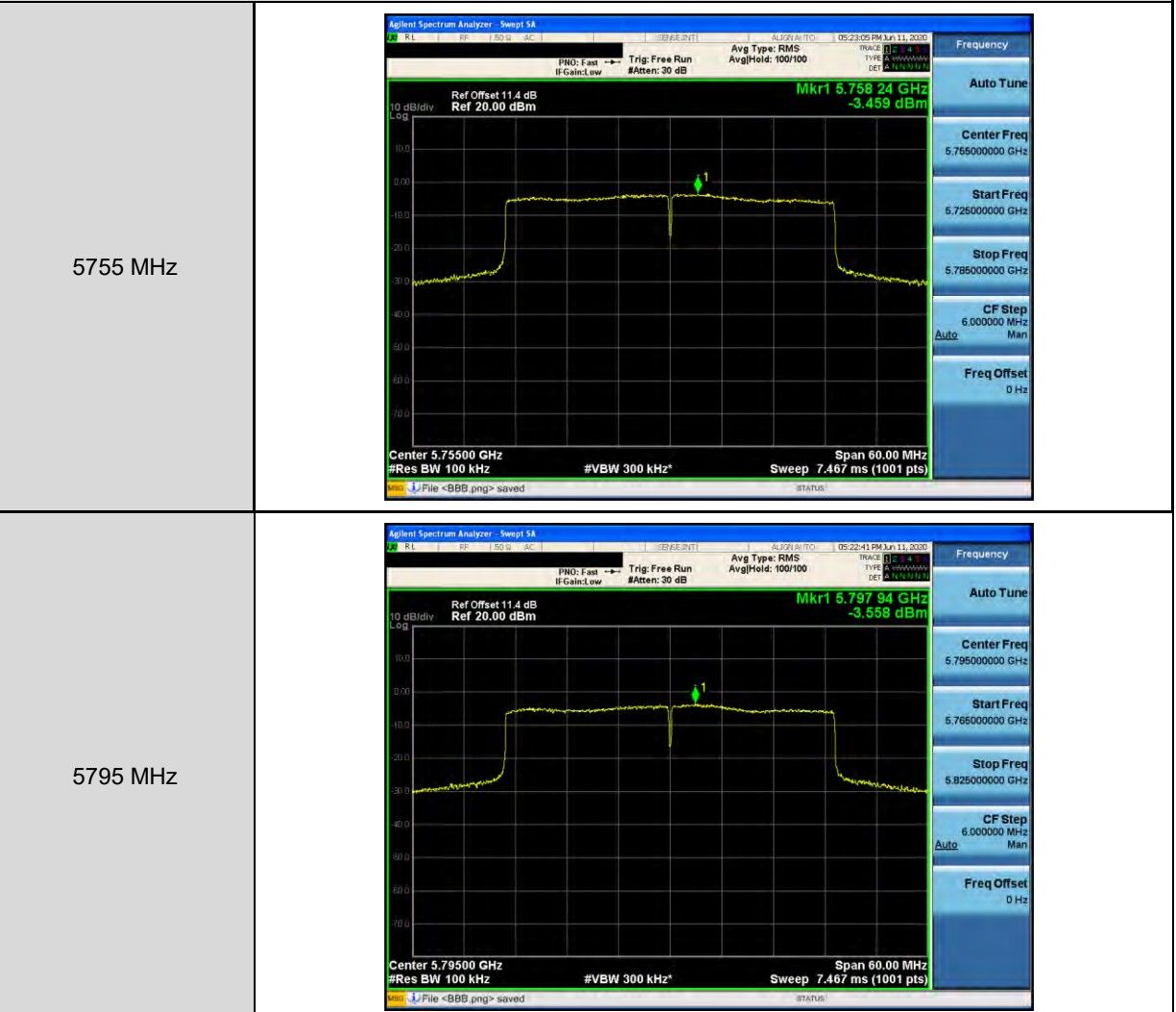
Mode 6: IEEE 802.11ax 20 MHz Continuous TX mode\_ANT-2

|          |                                                                                      |
|----------|--------------------------------------------------------------------------------------|
| 5745 MHz |    |
| 5785 MHz |   |
| 5825 MHz |  |





Mode 7: IEEE 802.11ax 40 MHz Continuous TX mode\_ANT-2





Mode 8: IEEE 802.11ax 80 MHz Continuous TX mode\_ANT-2

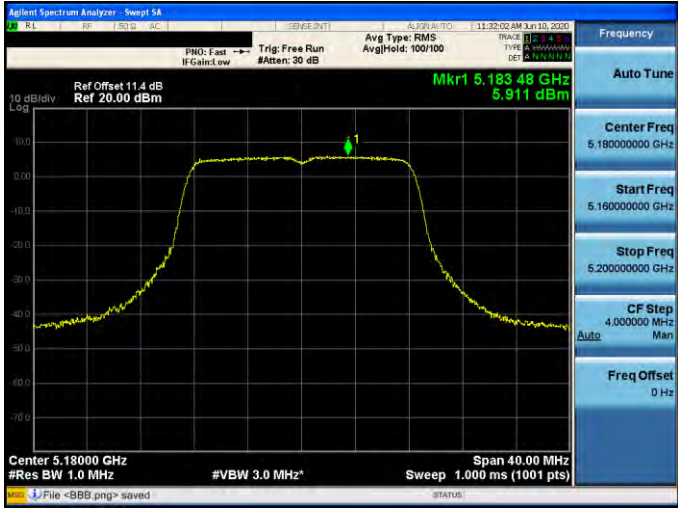
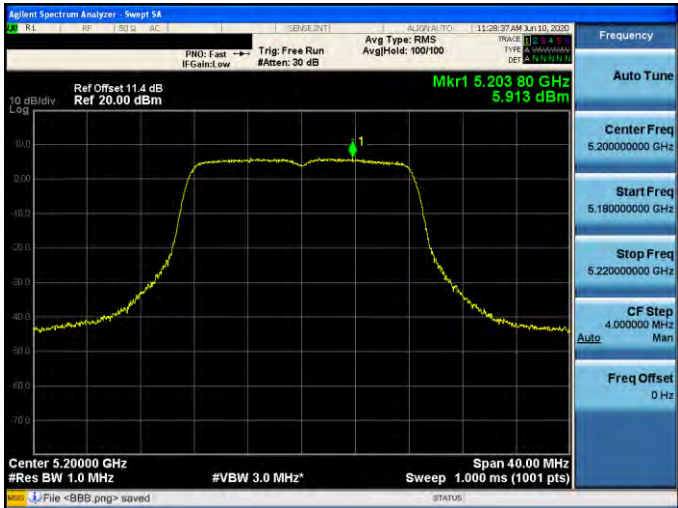
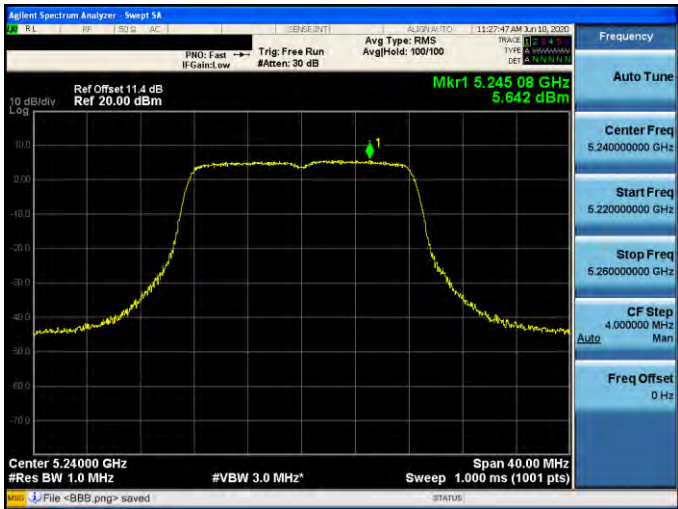


Mode 8: IEEE 802.11ax 80 MHz Continuous TX mode\_ANT-2



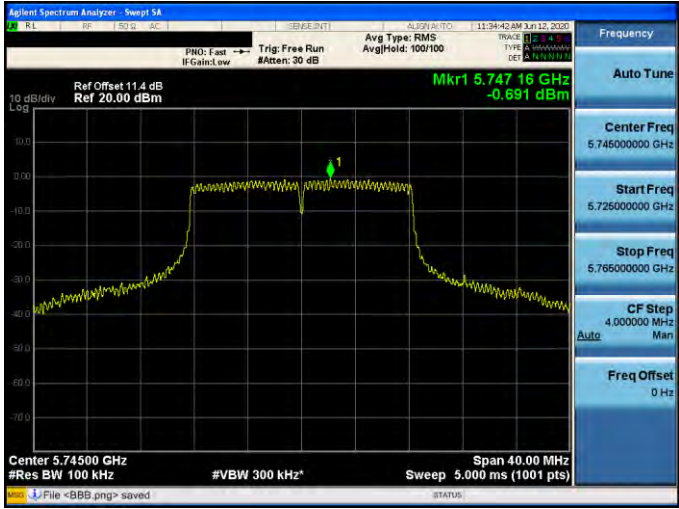
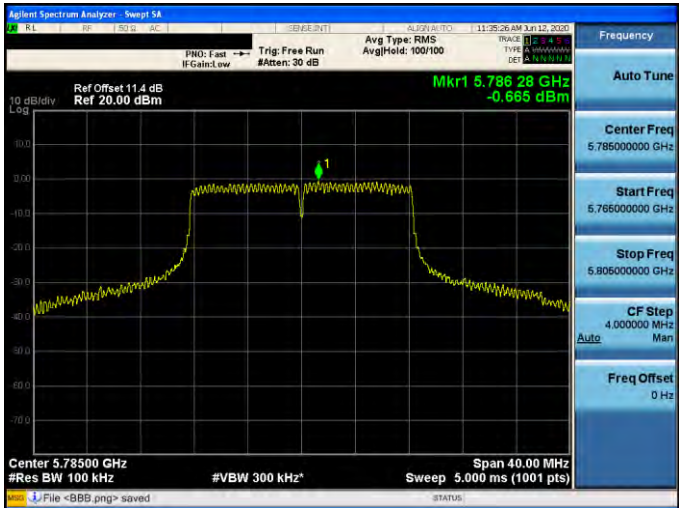


Mode 2: IEEE 802.11a Continuous TX mode \_ANT-3

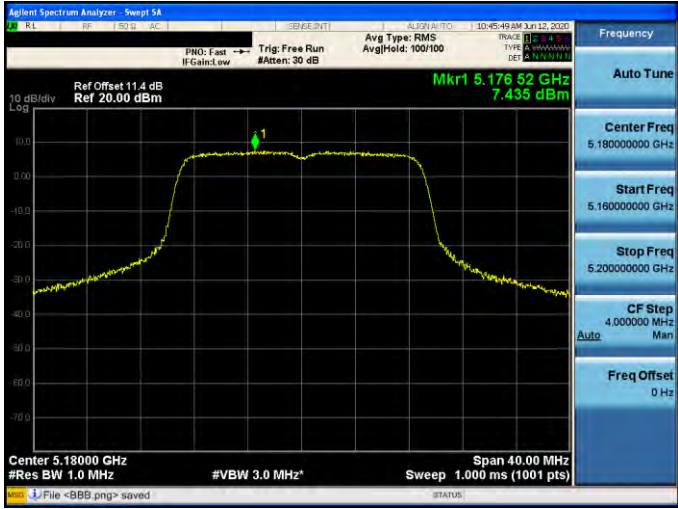
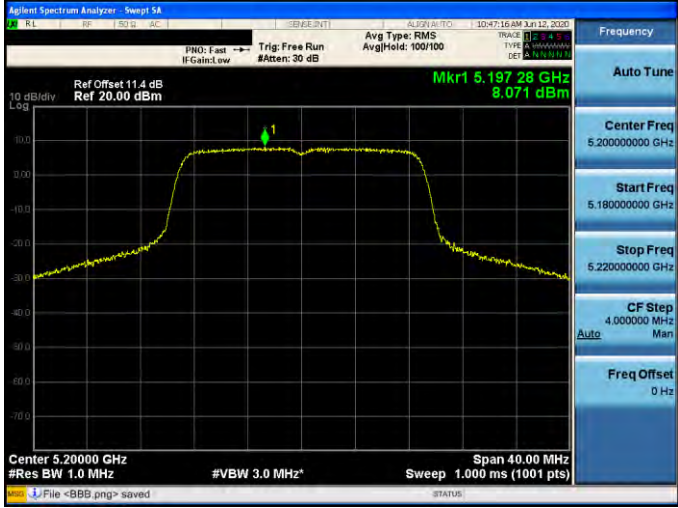
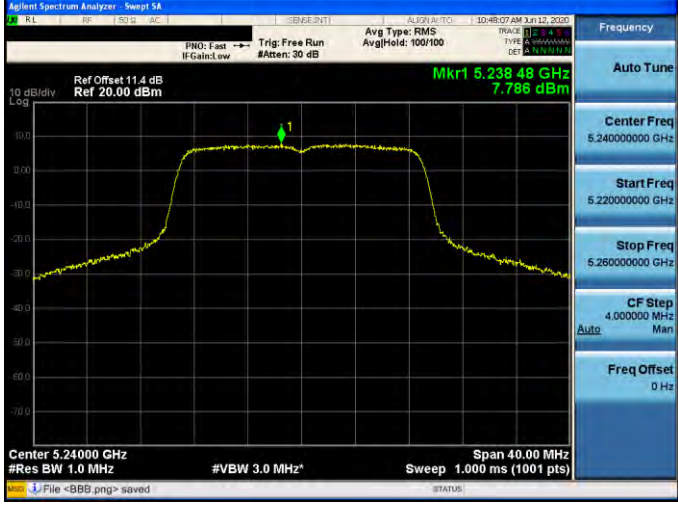
|          |                                                                                      |
|----------|--------------------------------------------------------------------------------------|
| 5180 MHz |    |
| 5200 MHz |   |
| 5240 MHz |  |



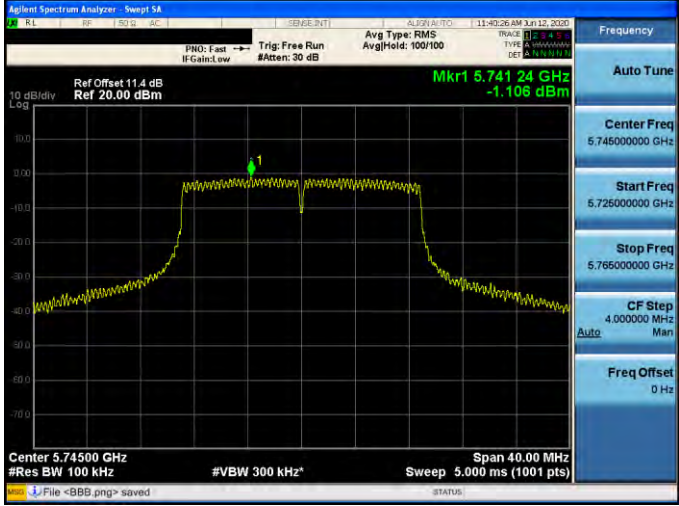
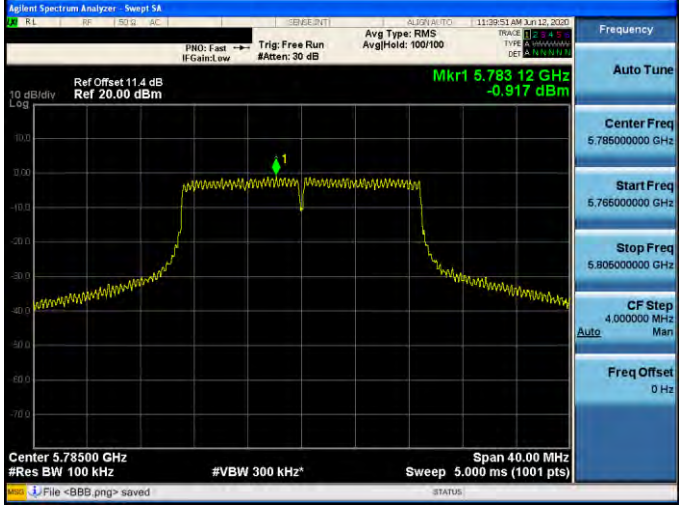
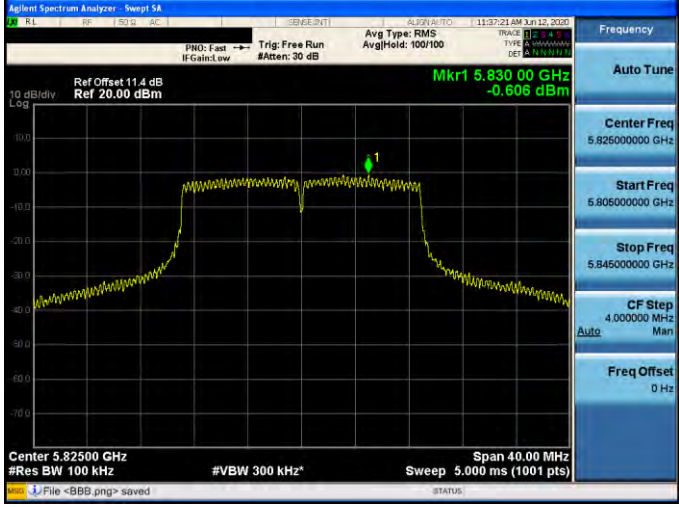
Mode 2: IEEE 802.11a Continuous TX mode \_ANT-3

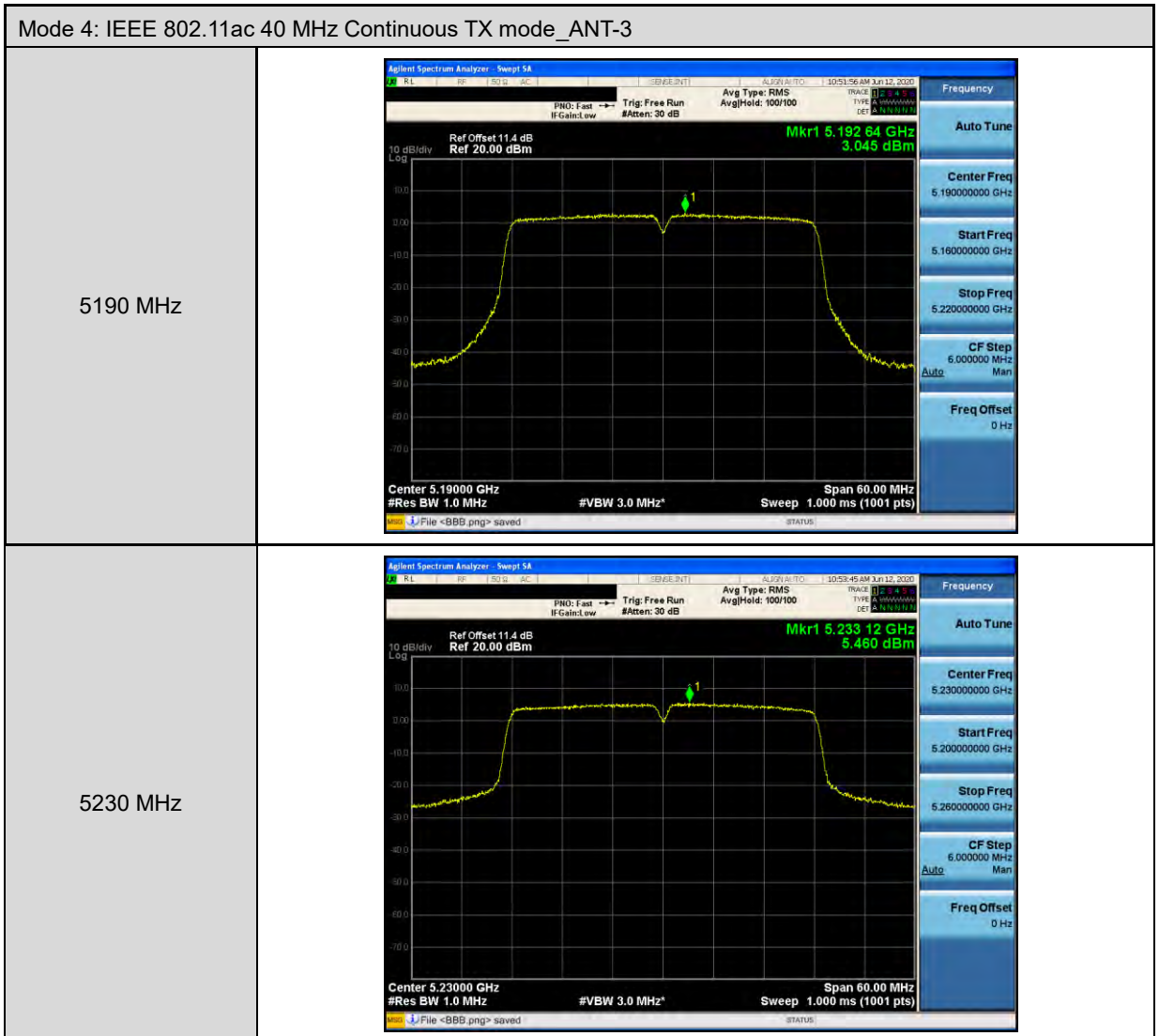
|          |                                                                                      |
|----------|--------------------------------------------------------------------------------------|
| 5745 MHz |    |
| 5785 MHz |   |
| 5825 MHz |  |

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

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5180 MHz |  <p>Agilent Spectrum Analyzer: Sweep 5A</p> <p>Ref Offset 11.4 dB<br/>Ref 20.00 dBm</p> <p>Mkr1 5.176 52 GHz<br/>7.435 dBm</p> <p>Center 5.18000 GHz<br/>#Res BW 1.0 MHz<br/>#VBW 3.0 MHz*<br/>Sweep 1.000 ms (1001 pts)</p> <p>Span 40.00 MHz</p> <p>File &lt;888.png&gt; saved</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.18000000 GHz</p> <p>Start Freq 5.16000000 GHz</p> <p>Stop Freq 5.20000000 GHz</p> <p>CF Step 4.000000 MHz<br/>Auto Man</p> <p>Freq Offset 0 Hz</p>   |
| 5200 MHz |  <p>Agilent Spectrum Analyzer: Sweep 5A</p> <p>Ref Offset 11.4 dB<br/>Ref 20.00 dBm</p> <p>Mkr1 5.197 28 GHz<br/>8.071 dBm</p> <p>Center 5.20000 GHz<br/>#Res BW 1.0 MHz<br/>#VBW 3.0 MHz*<br/>Sweep 1.000 ms (1001 pts)</p> <p>Span 40.00 MHz</p> <p>File &lt;888.png&gt; saved</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.20000000 GHz</p> <p>Start Freq 5.18000000 GHz</p> <p>Stop Freq 5.22000000 GHz</p> <p>CF Step 4.000000 MHz<br/>Auto Man</p> <p>Freq Offset 0 Hz</p>  |
| 5240 MHz |  <p>Agilent Spectrum Analyzer: Sweep 5A</p> <p>Ref Offset 11.4 dB<br/>Ref 20.00 dBm</p> <p>Mkr1 5.238 48 GHz<br/>7.786 dBm</p> <p>Center 5.24000 GHz<br/>#Res BW 1.0 MHz<br/>#VBW 3.0 MHz*<br/>Sweep 1.000 ms (1001 pts)</p> <p>Span 40.00 MHz</p> <p>File &lt;888.png&gt; saved</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 5.24000000 GHz</p> <p>Start Freq 5.22000000 GHz</p> <p>Stop Freq 5.26000000 GHz</p> <p>CF Step 4.000000 MHz<br/>Auto Man</p> <p>Freq Offset 0 Hz</p> |

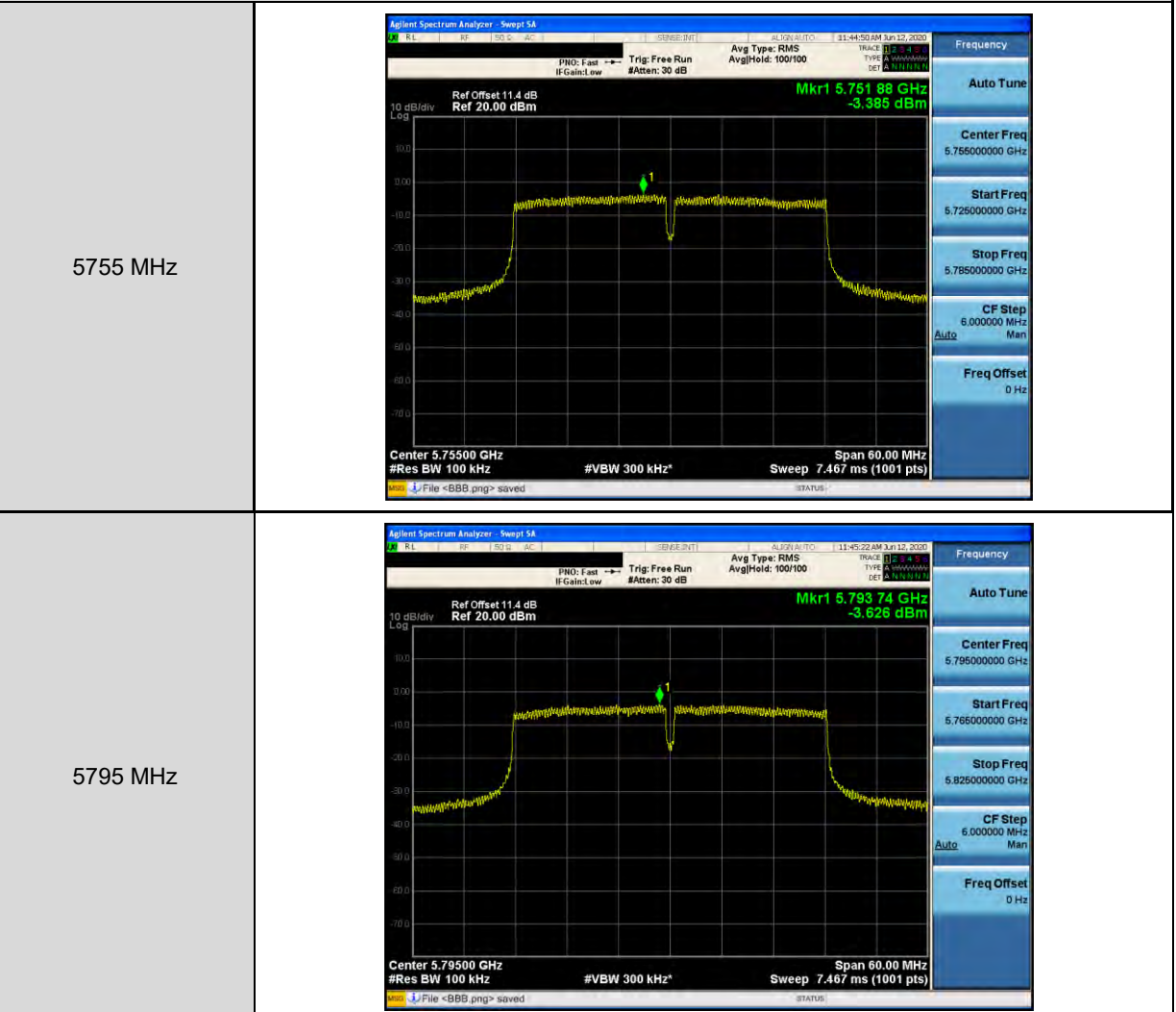
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode\_ANT-3

|                 |                                                                                      |
|-----------------|--------------------------------------------------------------------------------------|
| <p>5745 MHz</p> |    |
| <p>5785 MHz</p> |   |
| <p>5825 MHz</p> |  |





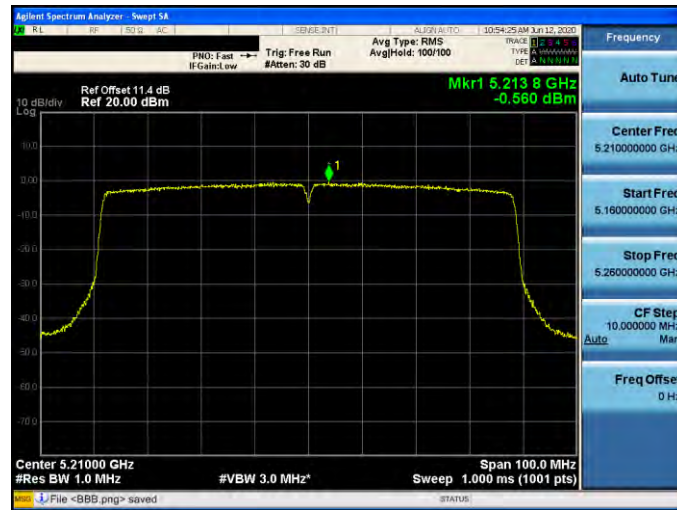
Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode\_ANT-3





Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-3

5210 MHz



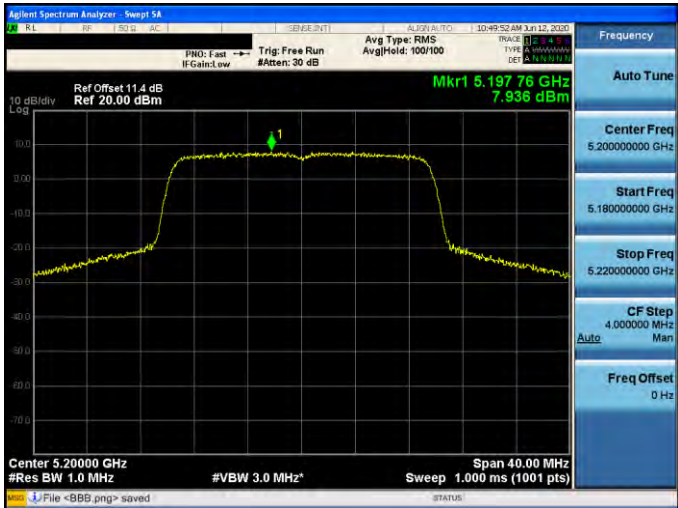
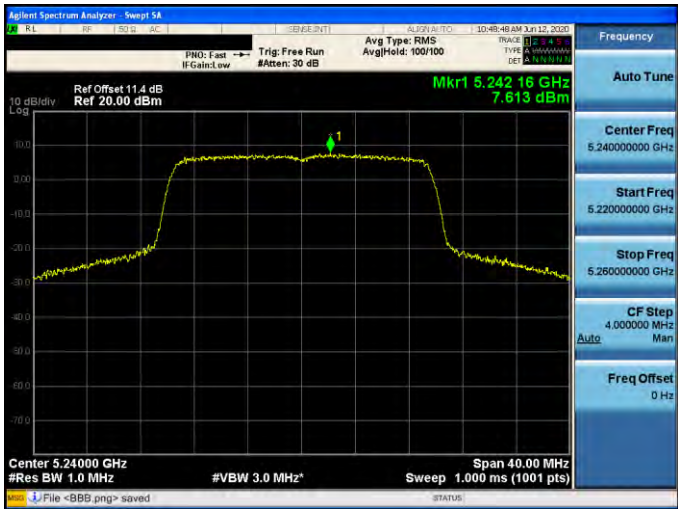
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-3

5775 MHz





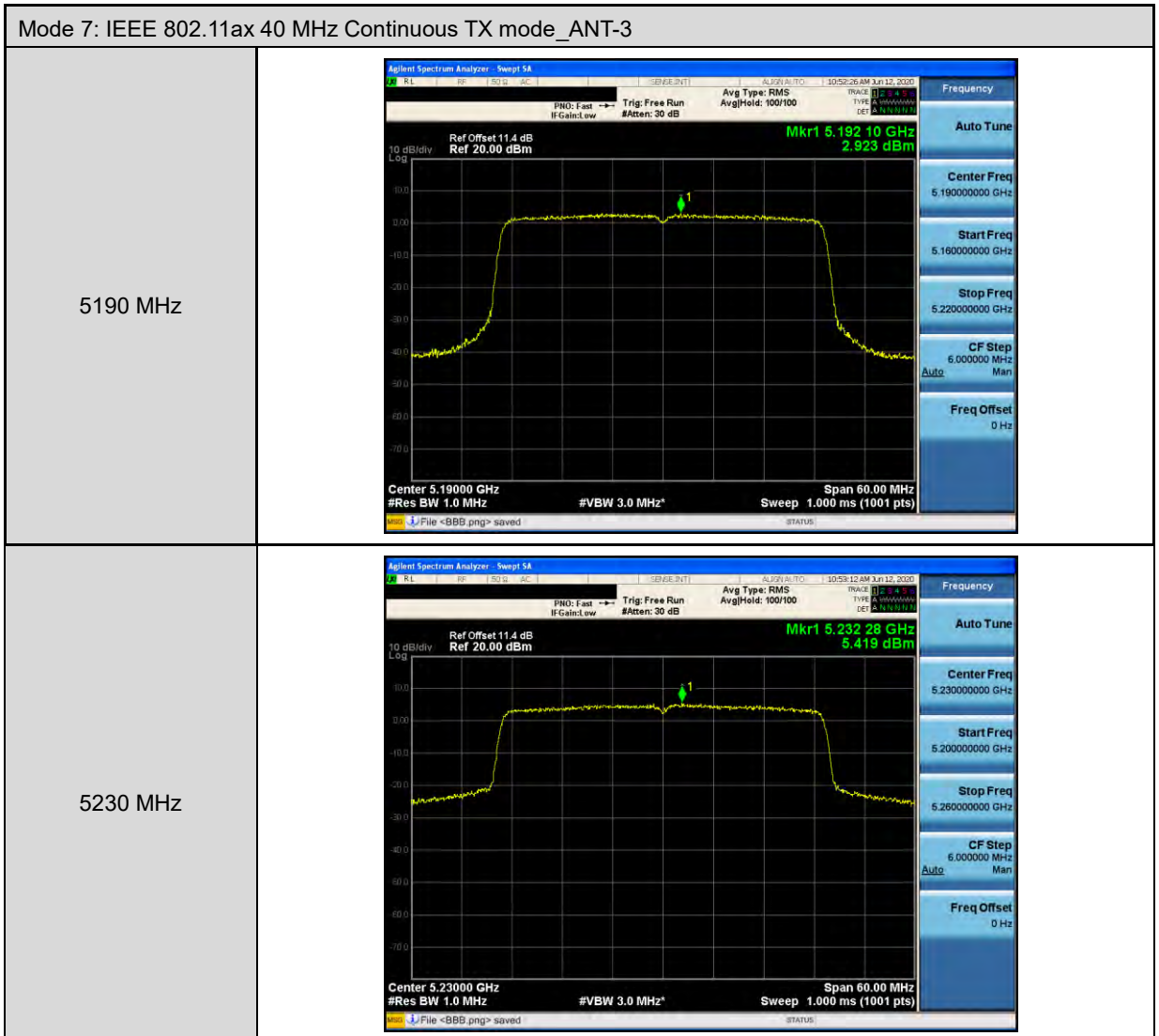
Mode 6: IEEE 802.11ax 20 MHz Continuous TX mode\_ANT-3

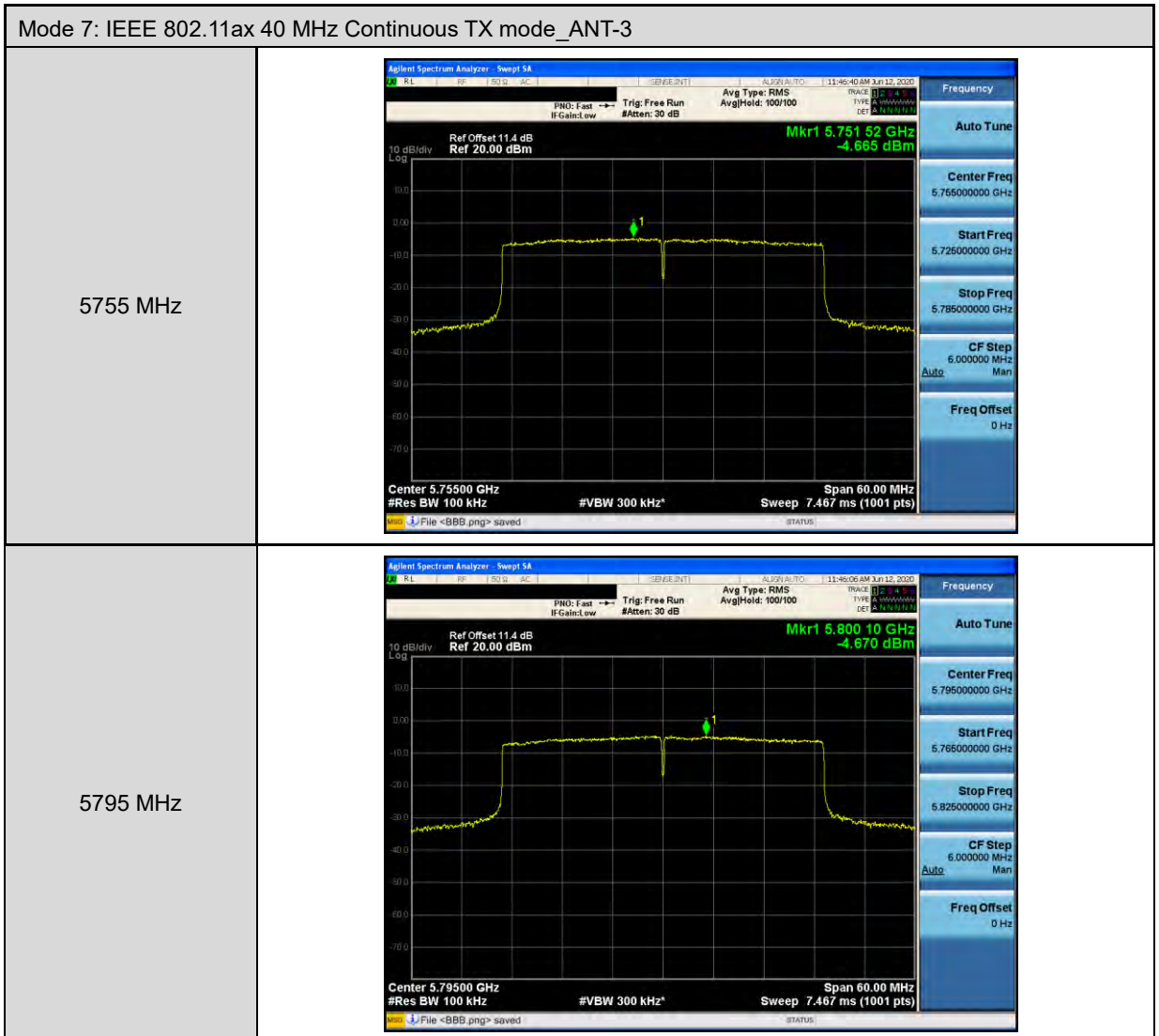
|          |                                                                                      |
|----------|--------------------------------------------------------------------------------------|
| 5180 MHz |    |
| 5200 MHz |   |
| 5240 MHz |  |



Mode 6: IEEE 802.11ax 20 MHz Continuous TX mode\_ANT-3

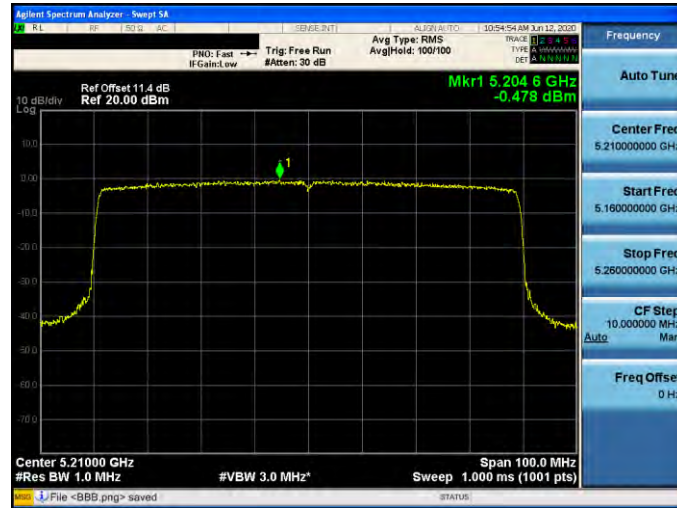
|          |  |
|----------|--|
| 5745 MHz |  |
| 5785 MHz |  |
| 5825 MHz |  |





Mode 8: IEEE 802.11ax 80 MHz Continuous TX mode\_ANT-3

5210 MHz



Mode 8: IEEE 802.11ax 80 MHz Continuous TX mode\_ANT-3

5775 MHz

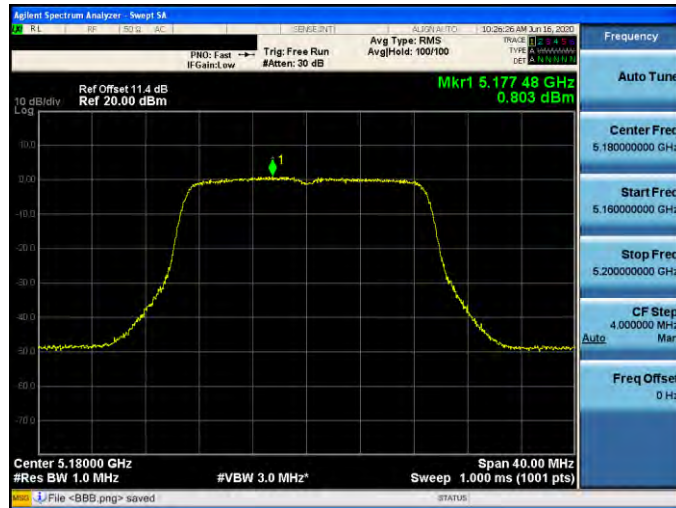




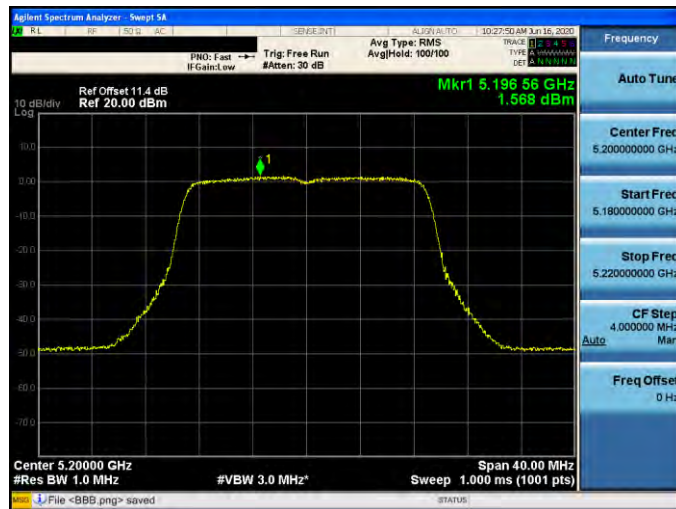
Beamforming on

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

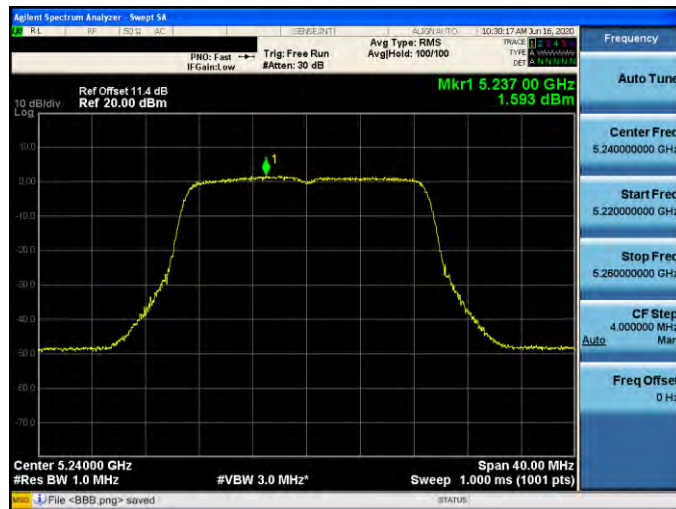
5180 MHz

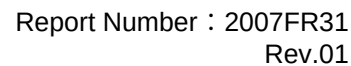


5200 MHz



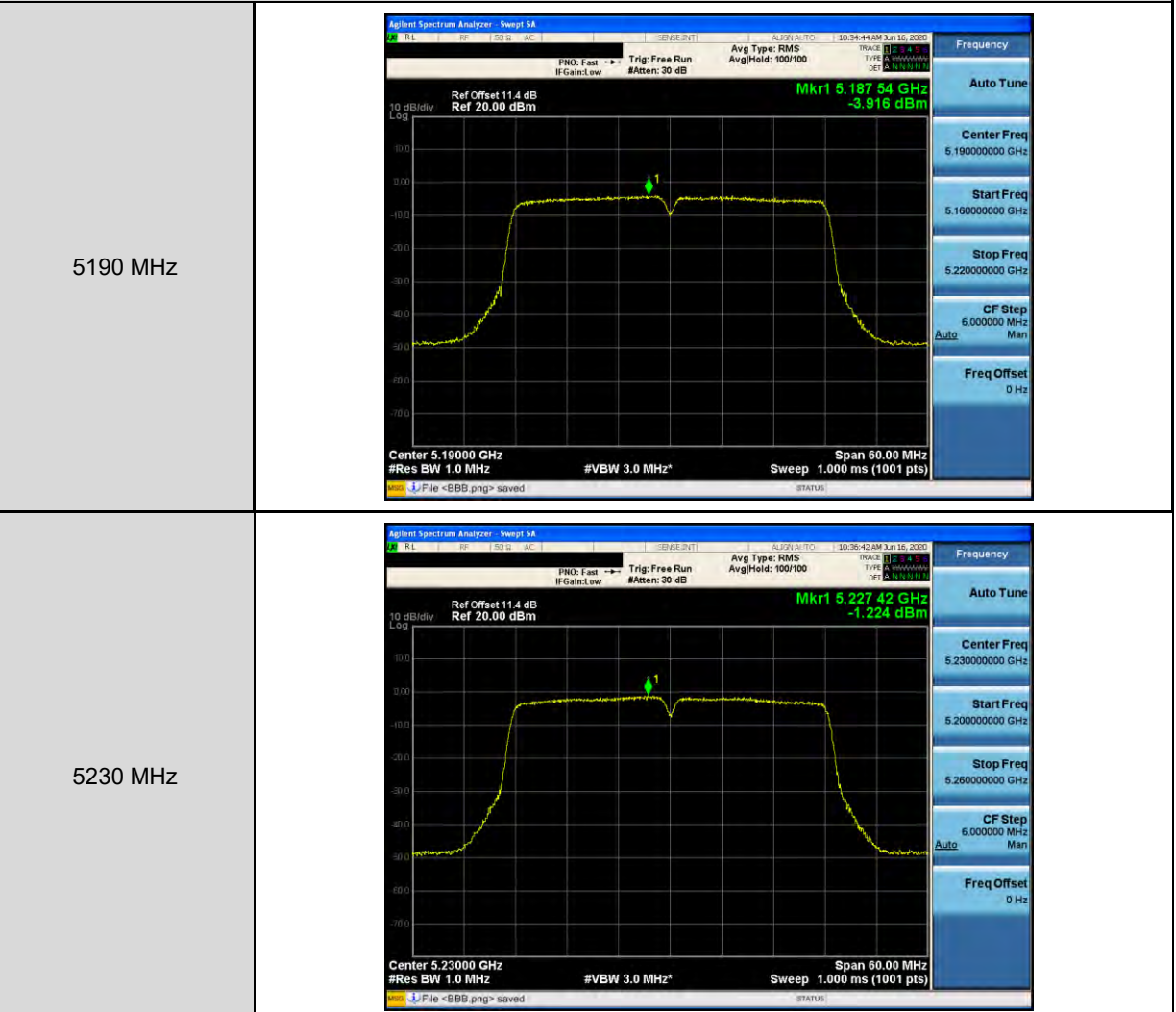
5240 MHz



[illegible]



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode\_ANT-0



Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode\_ANT-0

5755 MHz

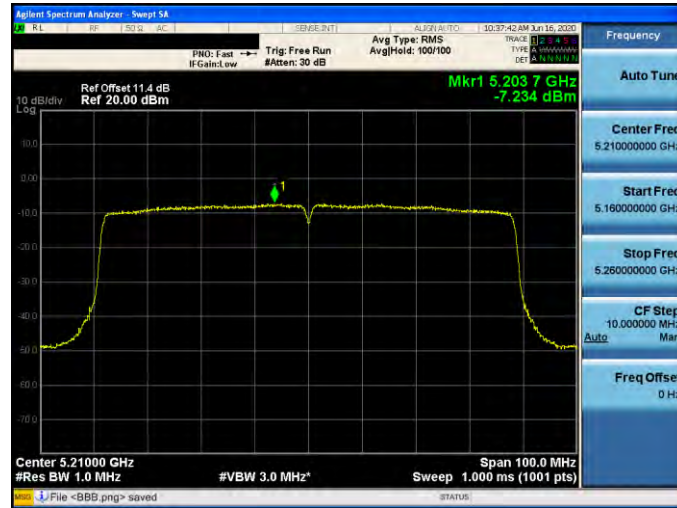


5795 MHz



Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-0

5210 MHz



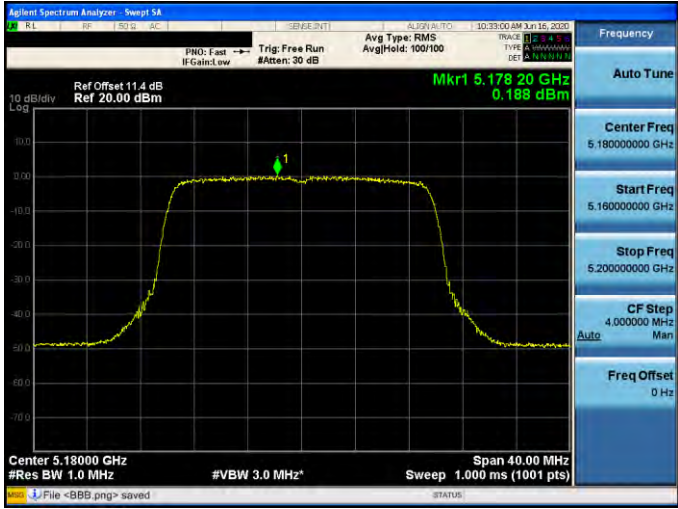
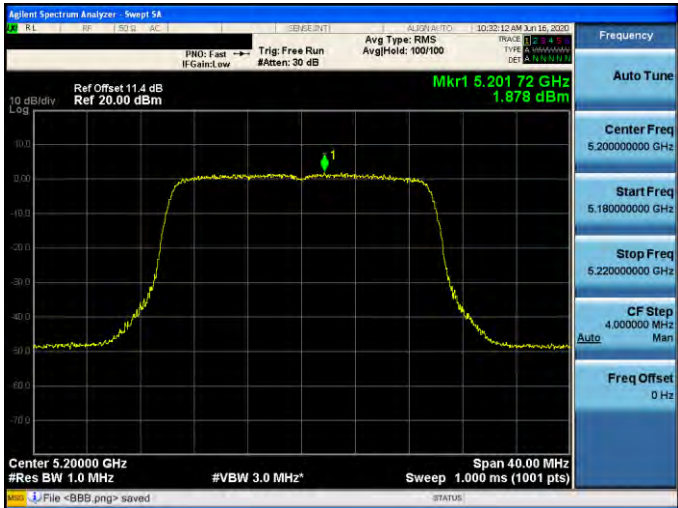
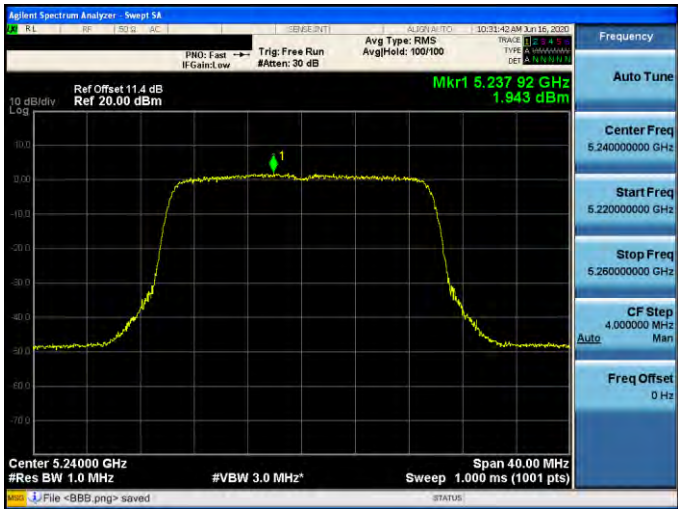
Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-0

5775 MHz



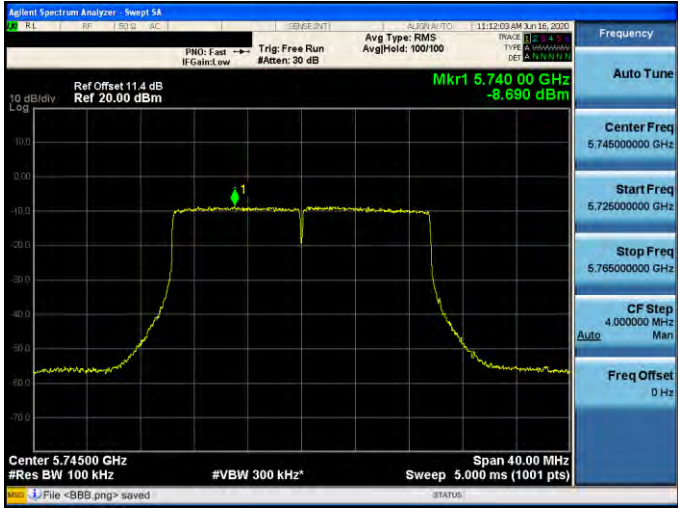
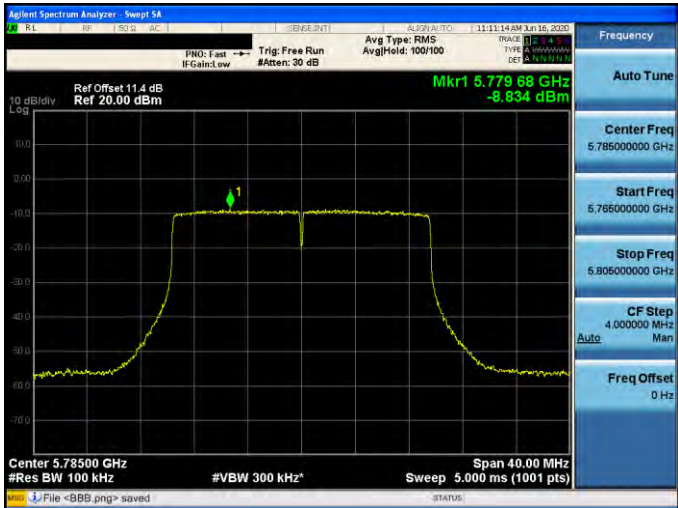
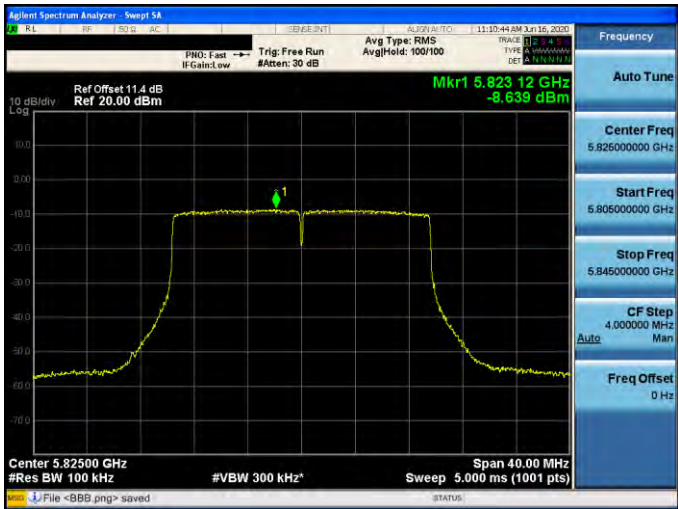


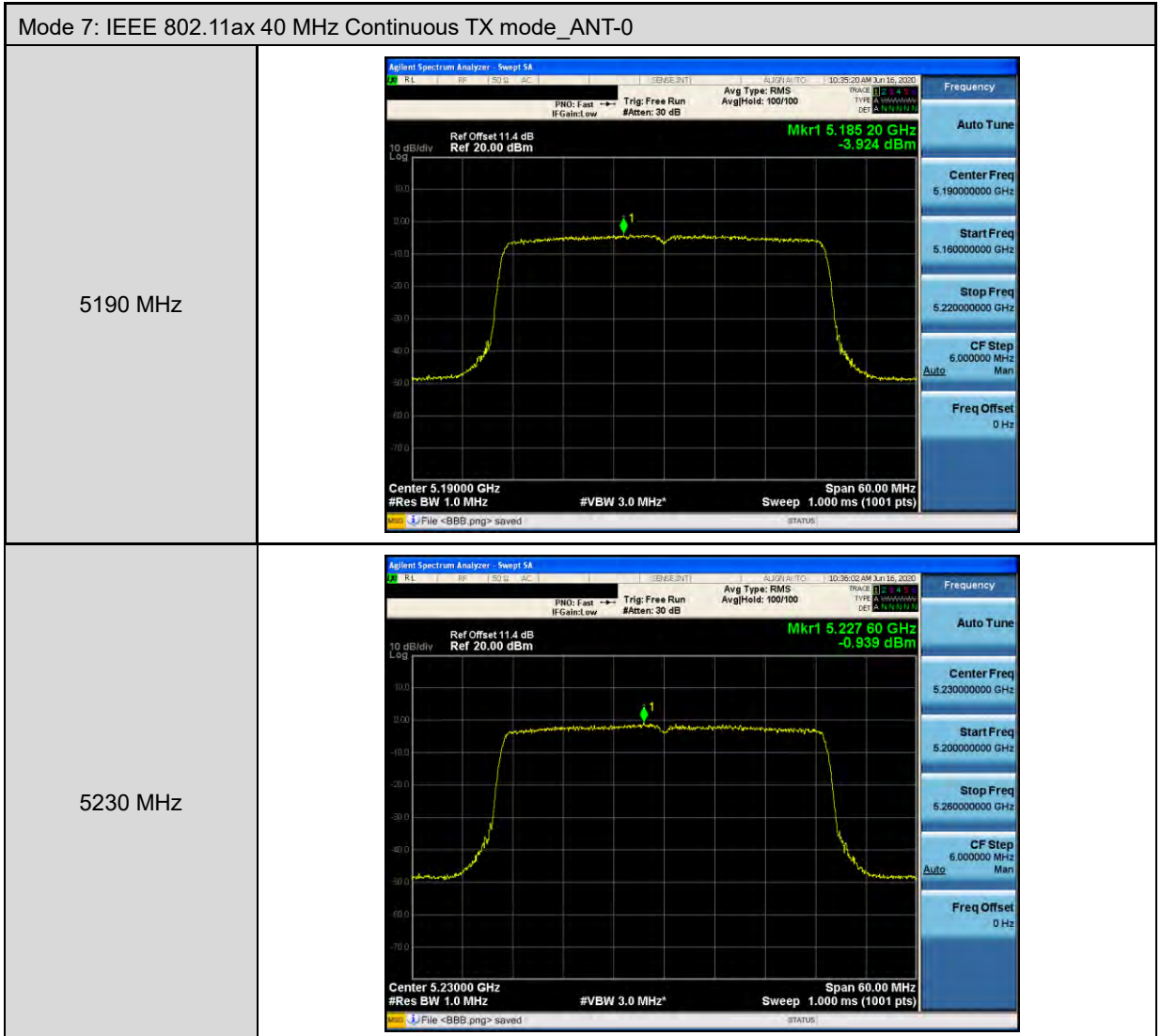
Mode 6: IEEE 802.11ax 20 MHz Continuous TX mode\_ANT-0

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



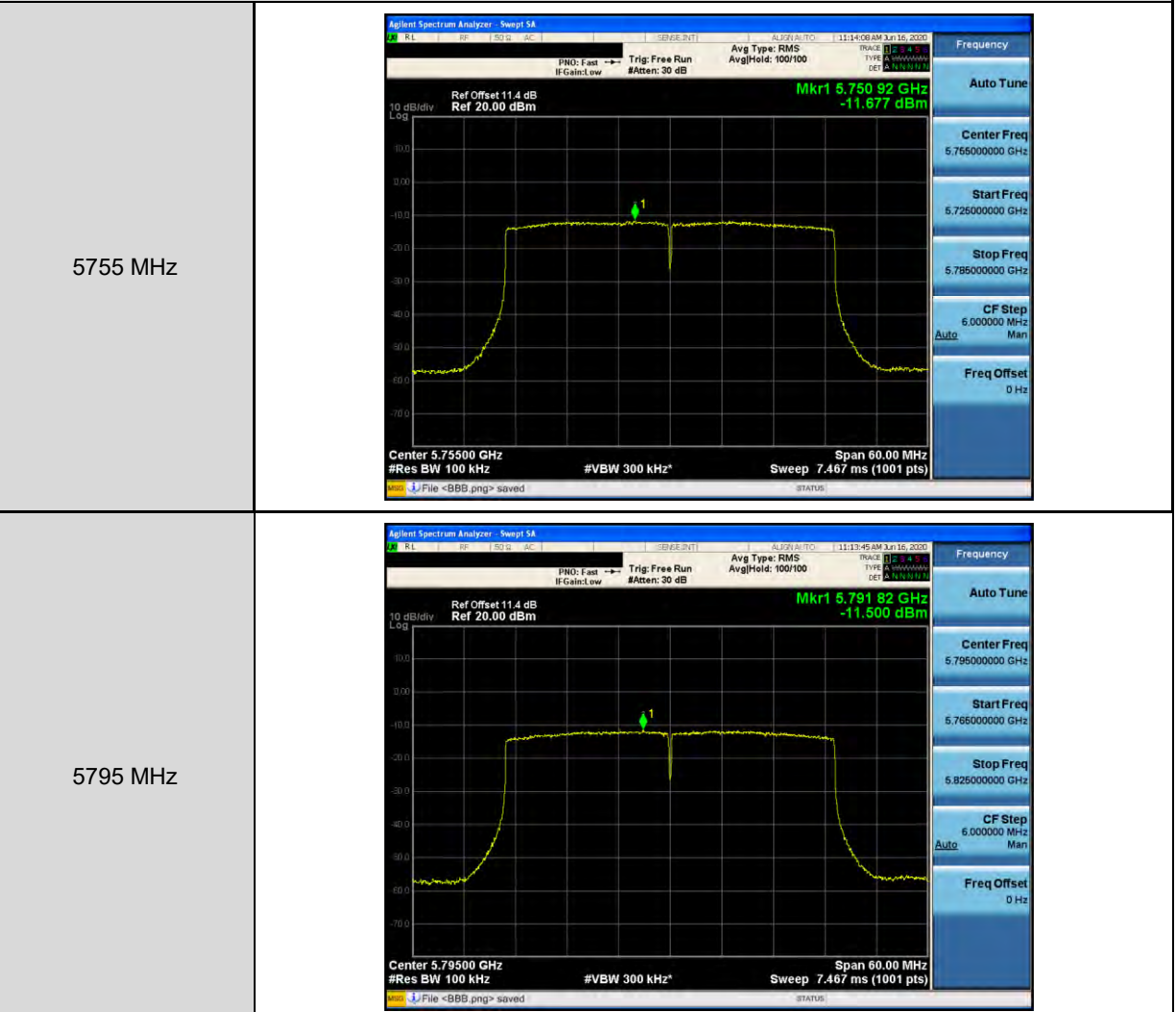
Mode 6: IEEE 802.11ax 20 MHz Continuous TX mode\_ANT-0

|          |                                                                                      |
|----------|--------------------------------------------------------------------------------------|
| 5745 MHz |    |
| 5785 MHz |   |
| 5825 MHz |  |



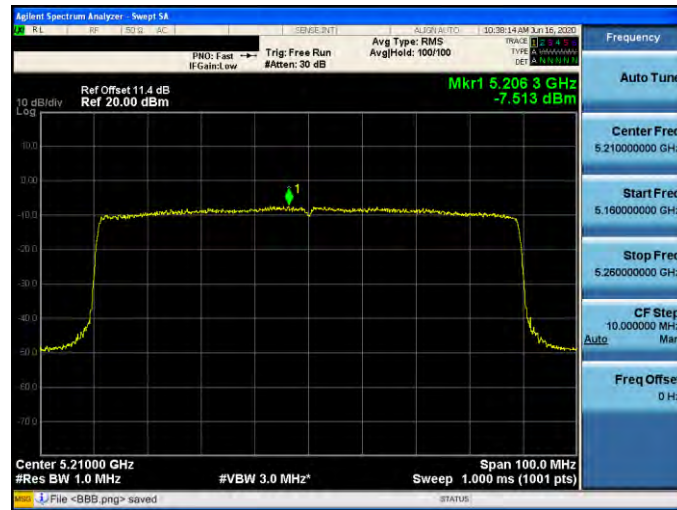


Mode 7: IEEE 802.11ax 40 MHz Continuous TX mode\_ANT-0



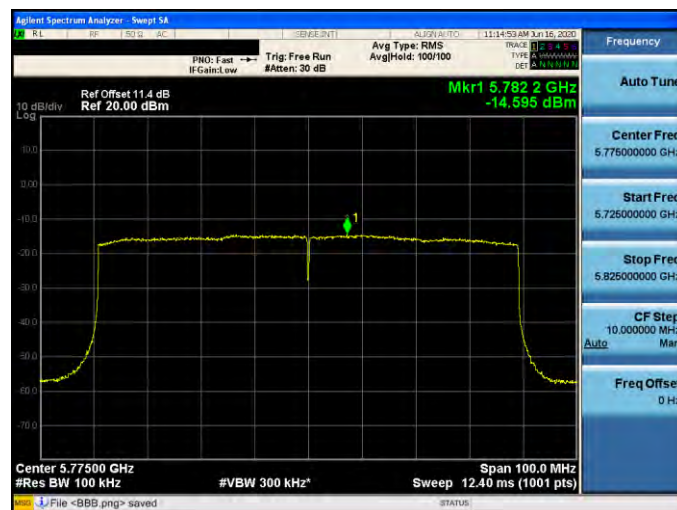
Mode 8: IEEE 802.11ax 80 MHz Continuous TX mode\_ANT-0

5210 MHz



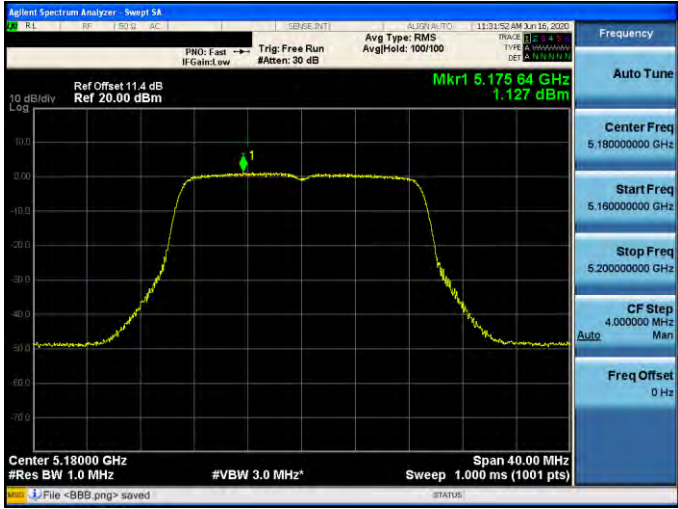
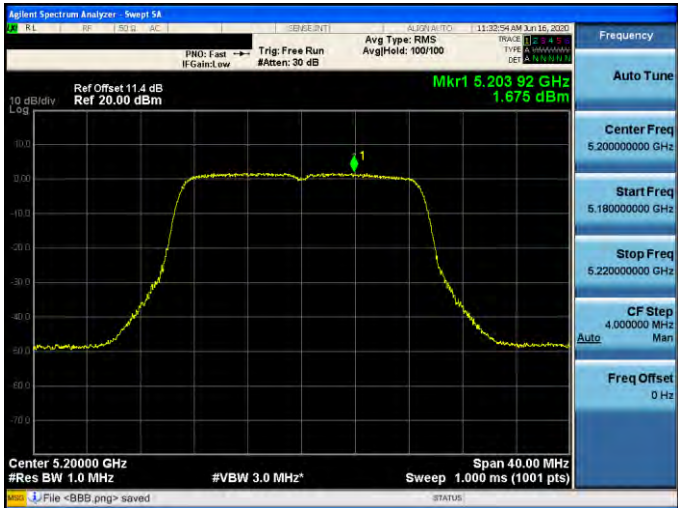
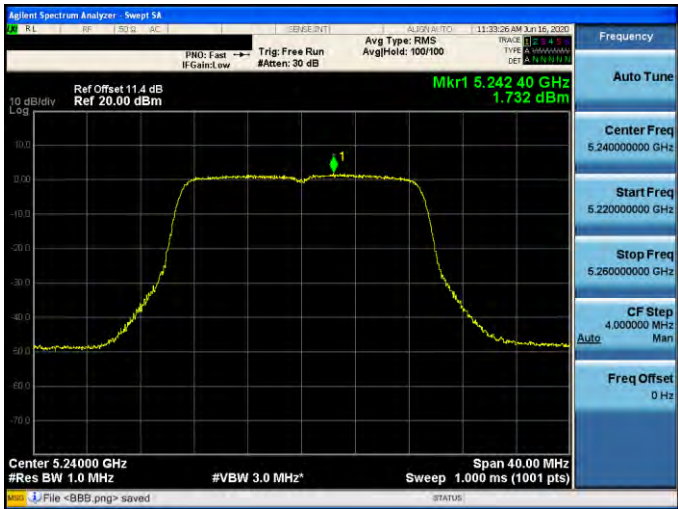
Mode 8: IEEE 802.11ax 80 MHz Continuous TX mode\_ANT-0

5775 MHz

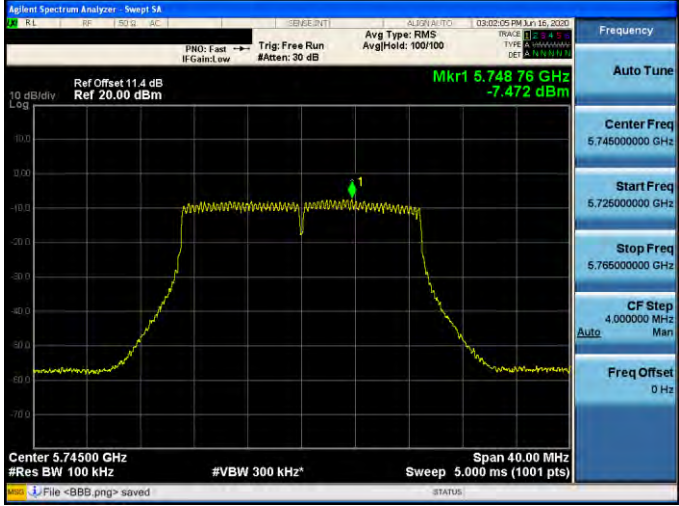
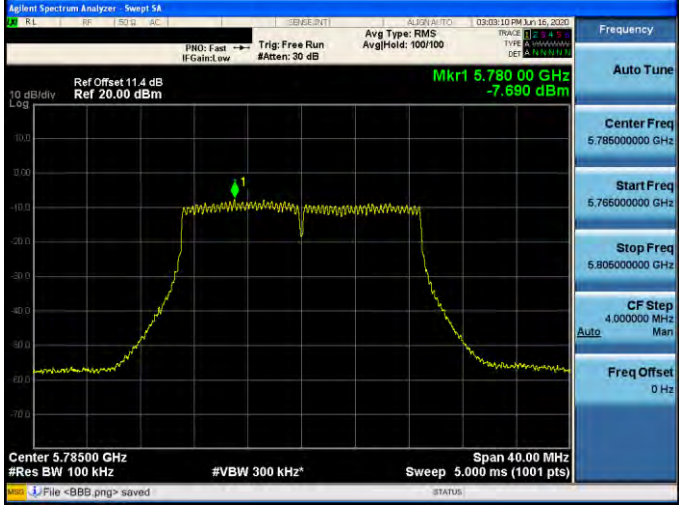
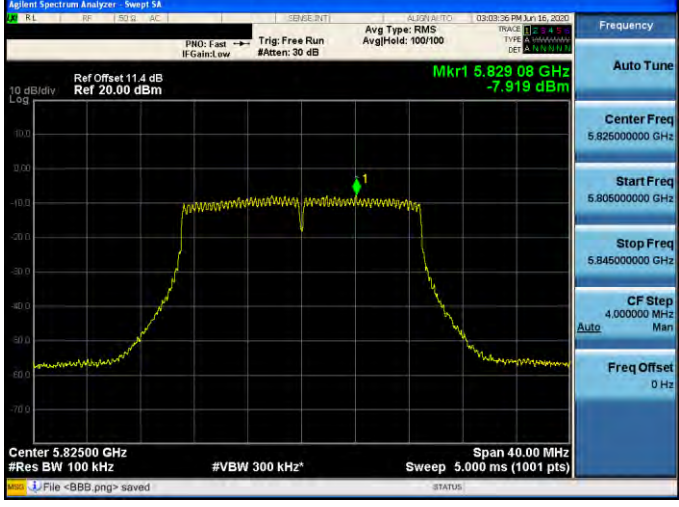


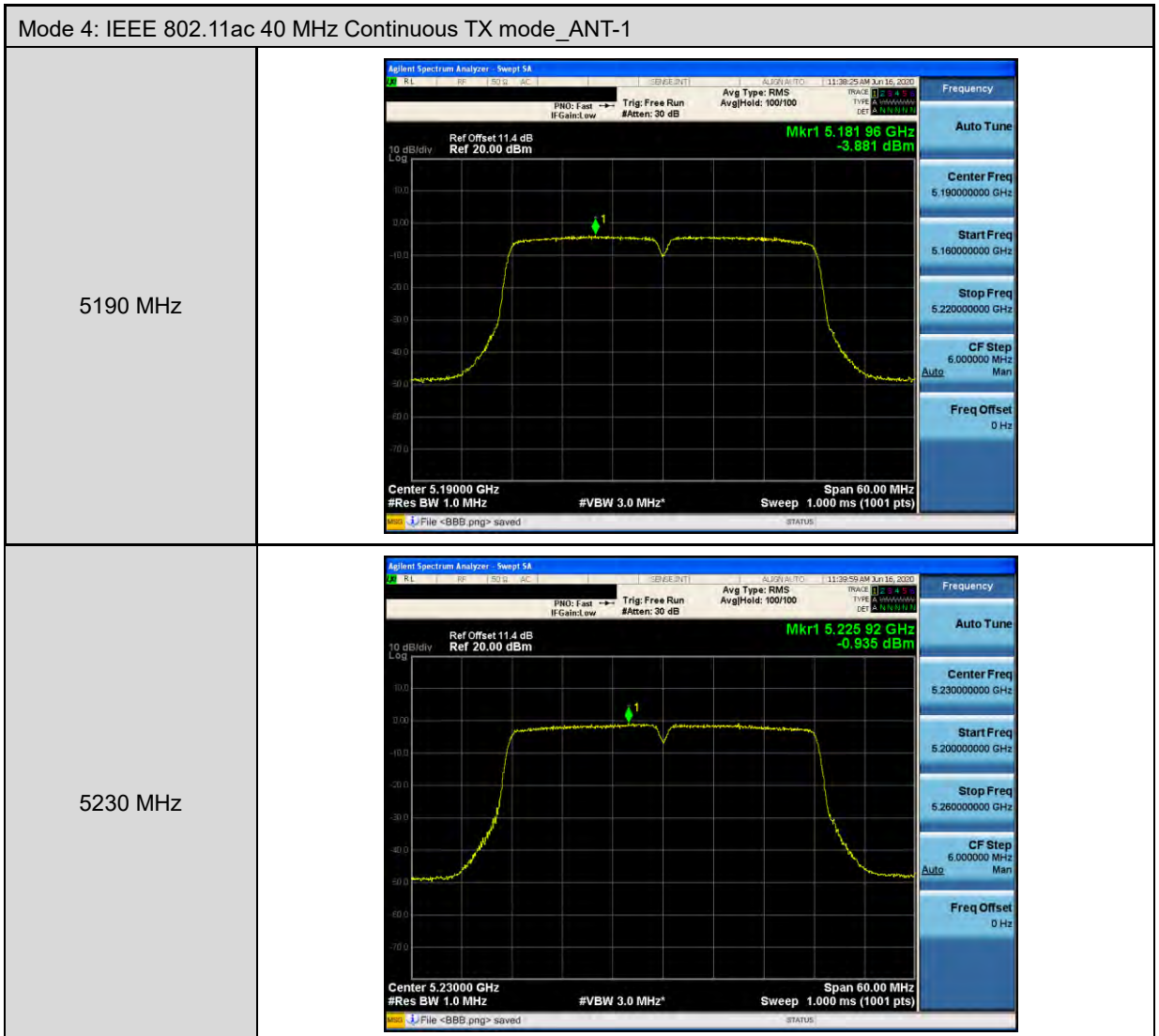


Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode\_ANT-1

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

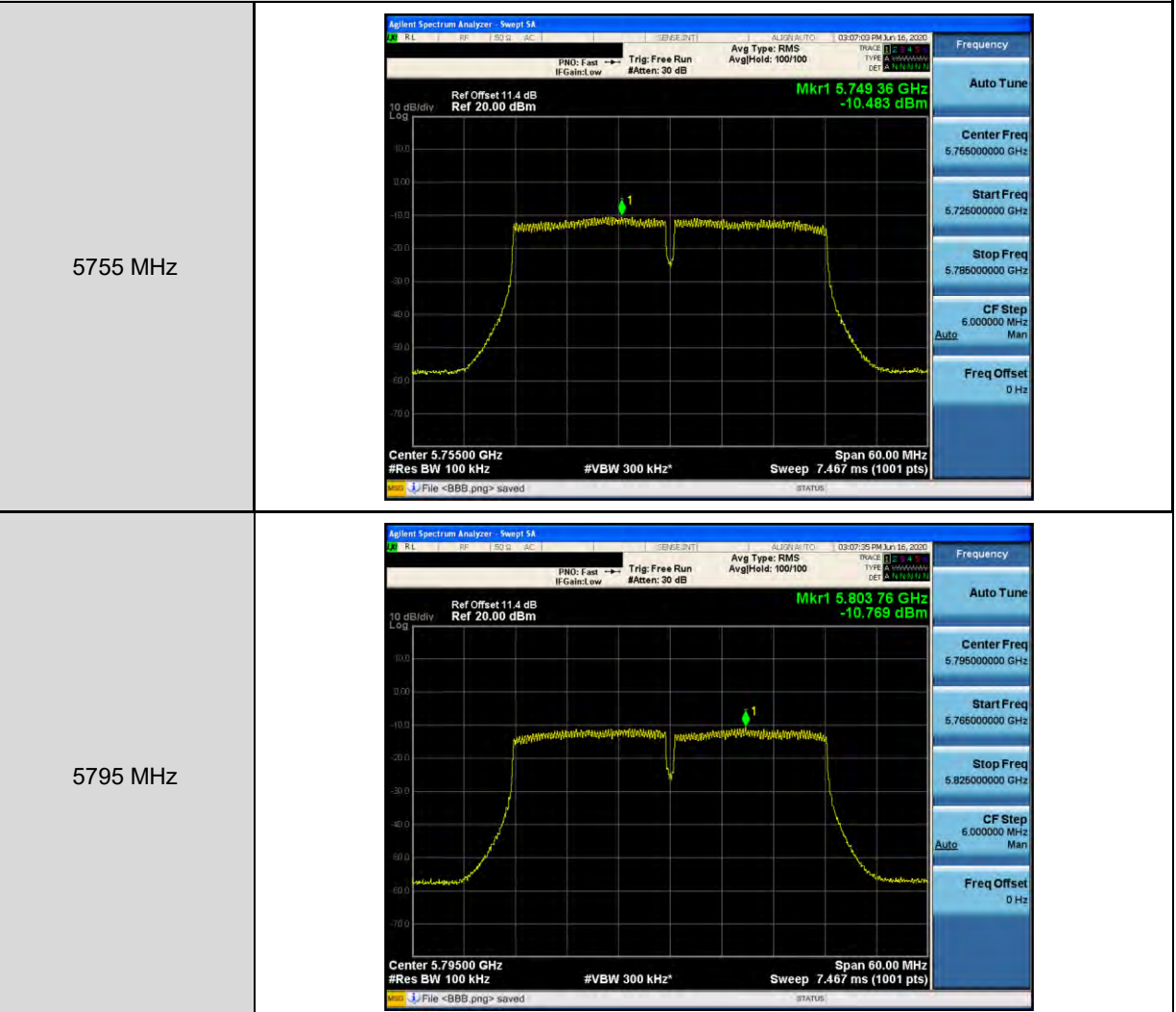
Mode 3: IEEE 802.11ac 20 MHz Continuous TX mode\_ANT-1

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5745 MHz |  <p>Agilent Spectrum Analyzer: Sweep SA<br/>PBD: Fast Trig: Free Run Avg Type: RMS<br/>IF Gain: Low #Atten: 30 dB Avg/Hold: 100/100<br/>Ref Offset 11.4 dB Ref 20.00 dBm<br/>Mkr1 5.748 76 GHz -7.472 dBm<br/>Center 5.74500 GHz #Res BW 100 kHz Span 40.00 MHz<br/>#VBW 300 kHz Sweep 5.000 ms (1001 pts)<br/>File &lt;888.png&gt; saved</p>   |
| 5785 MHz |  <p>Agilent Spectrum Analyzer: Sweep SA<br/>PBD: Fast Trig: Free Run Avg Type: RMS<br/>IF Gain: Low #Atten: 30 dB Avg/Hold: 100/100<br/>Ref Offset 11.4 dB Ref 20.00 dBm<br/>Mkr1 5.780 00 GHz -7.690 dBm<br/>Center 5.78500 GHz #Res BW 100 kHz Span 40.00 MHz<br/>#VBW 300 kHz Sweep 5.000 ms (1001 pts)<br/>File &lt;888.png&gt; saved</p>  |
| 5825 MHz |  <p>Agilent Spectrum Analyzer: Sweep SA<br/>PBD: Fast Trig: Free Run Avg Type: RMS<br/>IF Gain: Low #Atten: 30 dB Avg/Hold: 100/100<br/>Ref Offset 11.4 dB Ref 20.00 dBm<br/>Mkr1 5.829 08 GHz -7.919 dBm<br/>Center 5.82500 GHz #Res BW 100 kHz Span 40.00 MHz<br/>#VBW 300 kHz Sweep 5.000 ms (1001 pts)<br/>File &lt;888.png&gt; saved</p> |



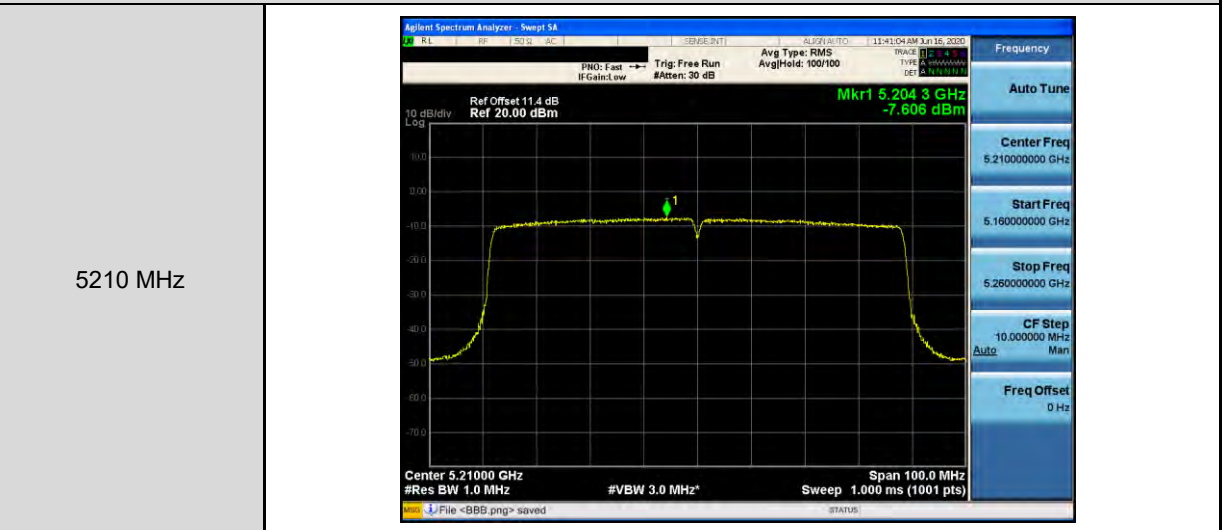


Mode 4: IEEE 802.11ac 40 MHz Continuous TX mode\_ANT-1

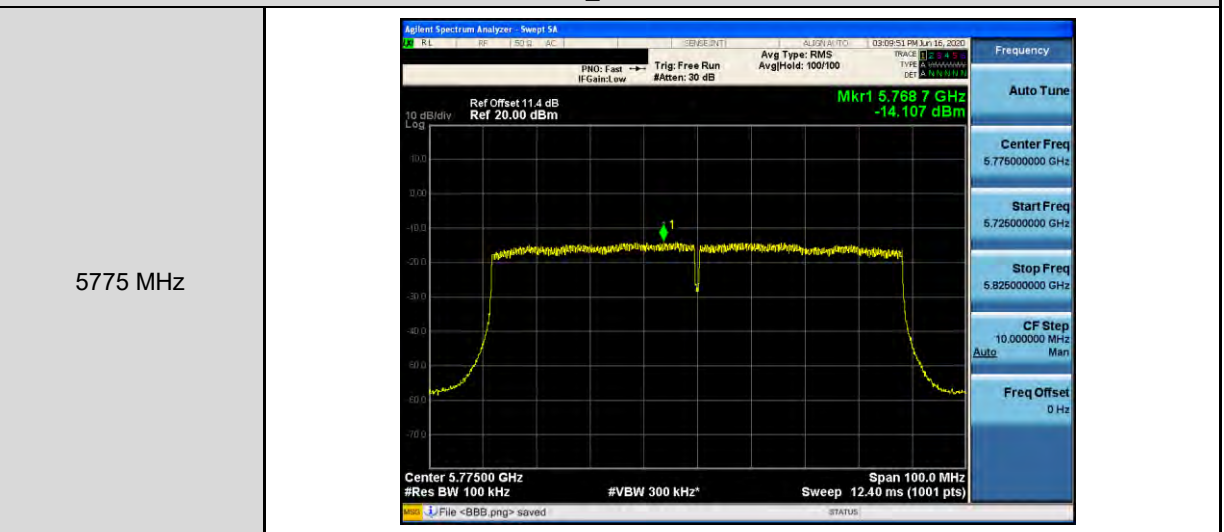




Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-1

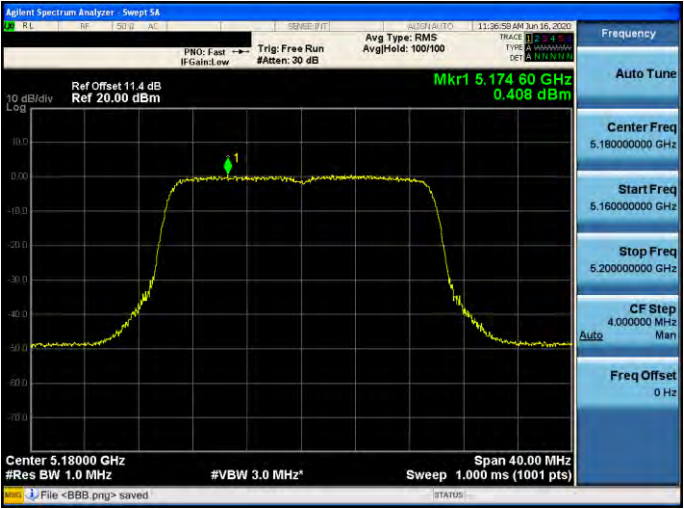
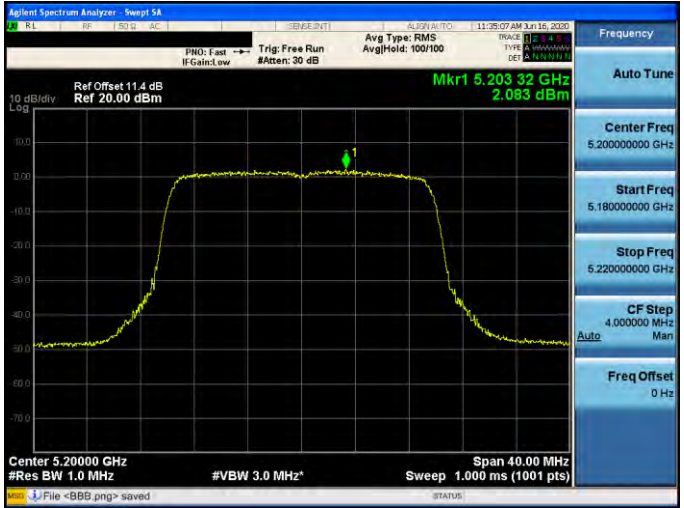
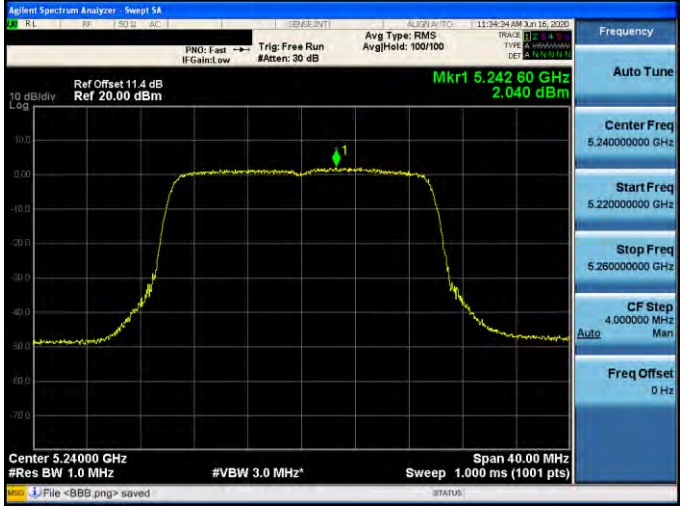


Mode 5: IEEE 802.11ac 80 MHz Continuous TX mode\_ANT-1



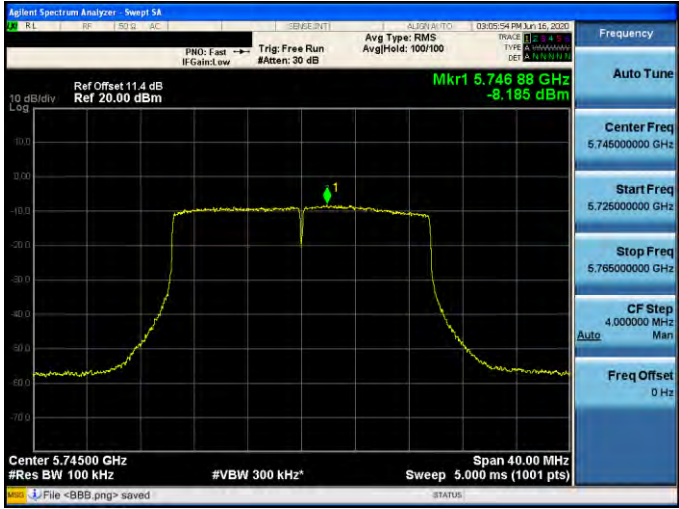
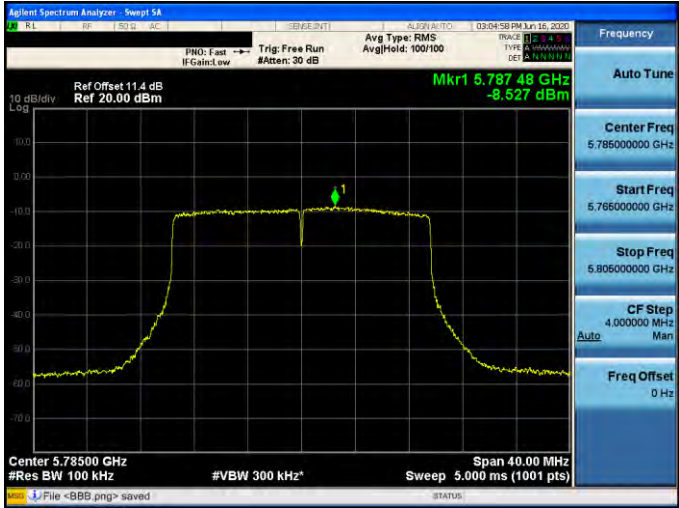
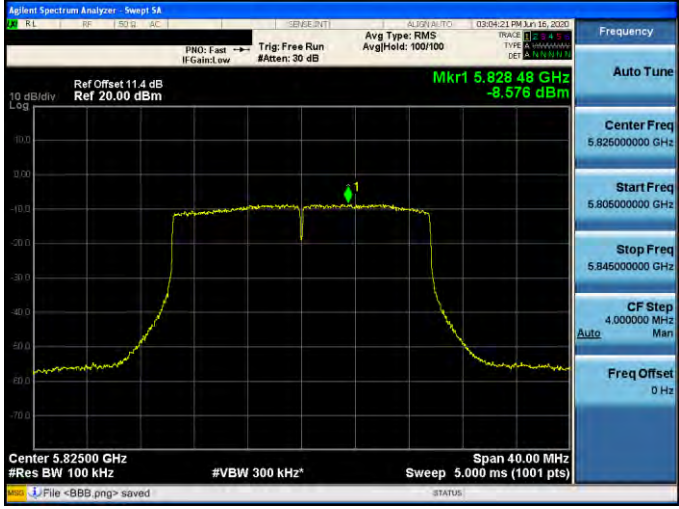


Mode 6: IEEE 802.11ax 20 MHz Continuous TX mode\_ANT-1

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



Mode 6: IEEE 802.11ax 20 MHz Continuous TX mode\_ANT-1

|          |                                                                                      |
|----------|--------------------------------------------------------------------------------------|
| 5745 MHz |    |
| 5785 MHz |   |
| 5825 MHz |  |

