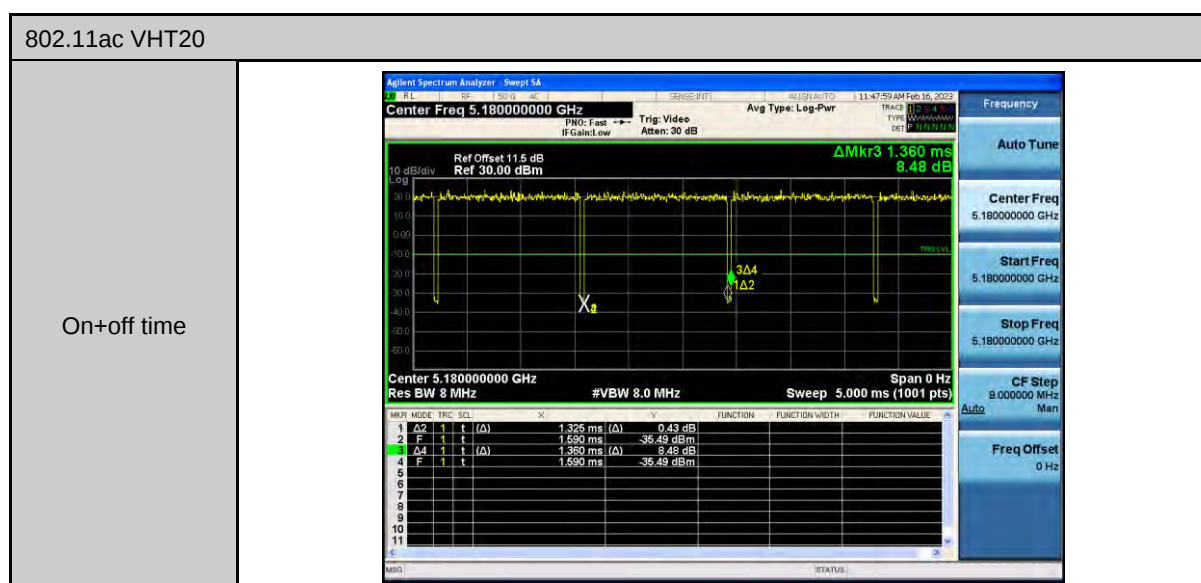
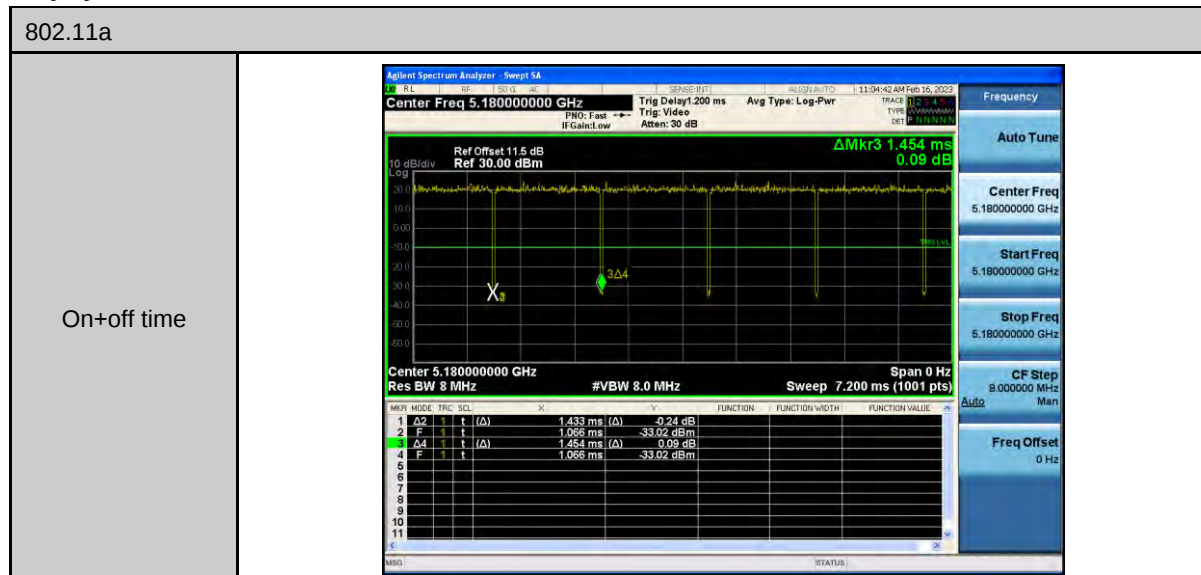


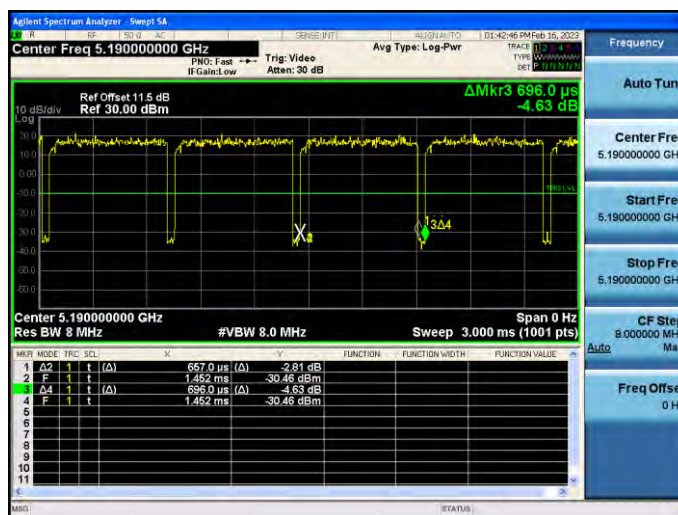
## Appendix B. Test Plots

### Duty cycle



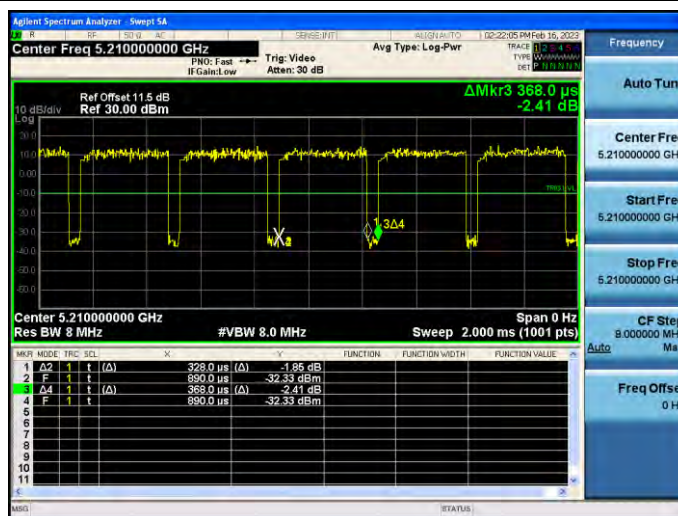
## 802.11ac VHT40

On+off time



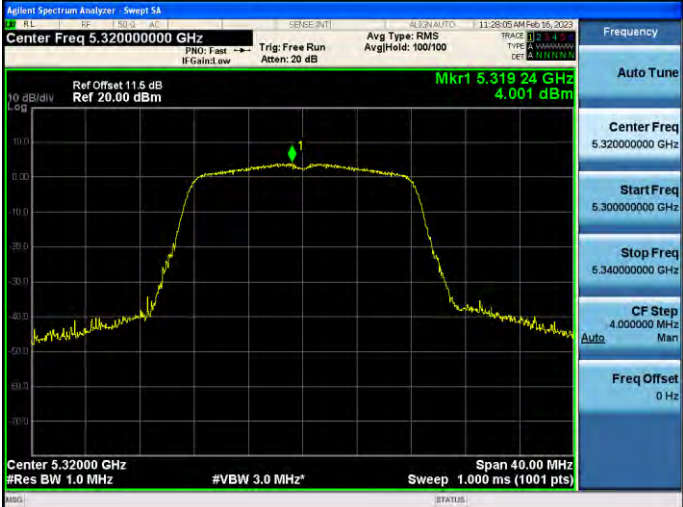
## 802.11ac VHT80

On+off time

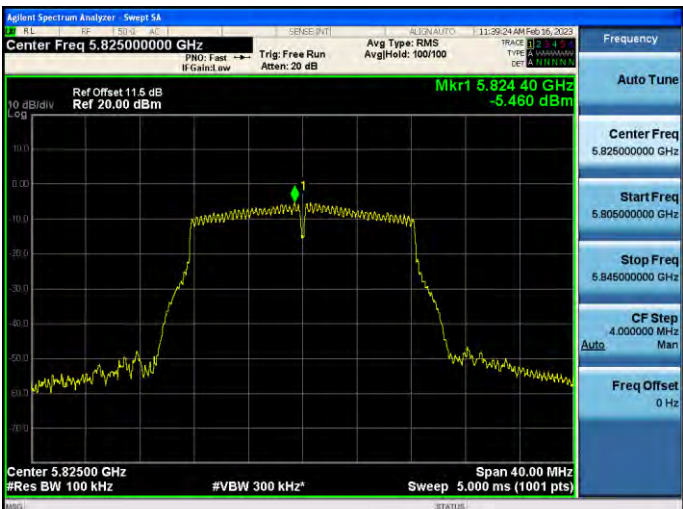


# Maximum Power Spectral Density

|                                |                                                                                      |
|--------------------------------|--------------------------------------------------------------------------------------|
| <p>802.11a</p> <p>5180 MHz</p> |    |
| <p>5200 MHz</p>                |   |
| <p>5240 MHz</p>                |  |

|                                |                                                                                      |
|--------------------------------|--------------------------------------------------------------------------------------|
| <p>802.11a</p> <p>5260 MHz</p> |    |
| <p>5280 MHz</p>                |   |
| <p>5320 MHz</p>                |  |

Report Number: USRC231205002  
Version: 00

|          |                                                                                      |
|----------|--------------------------------------------------------------------------------------|
| 802.11a  |    |
| 5785 MHz |   |
| 5825 MHz |  |

802.11ac VHT20\_ANT-0

5180 MHz



5200 MHz

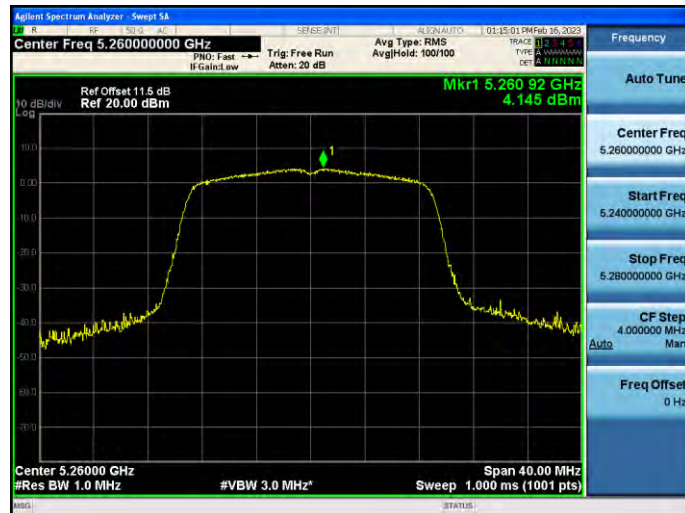


5240 MHz

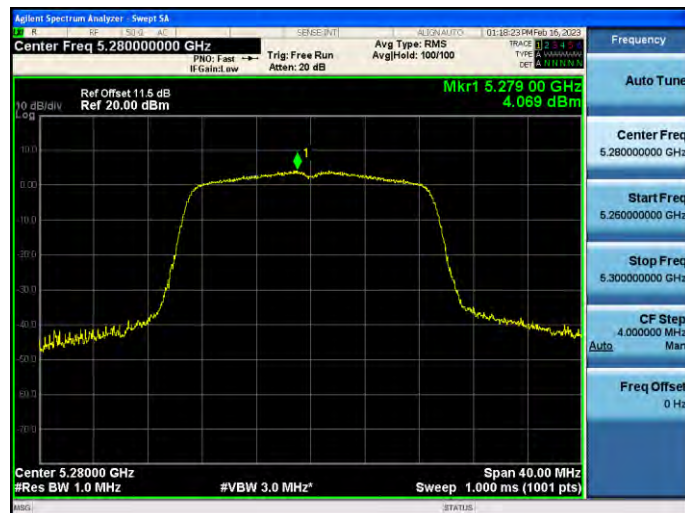


802.11ac VHT20\_ANT-0

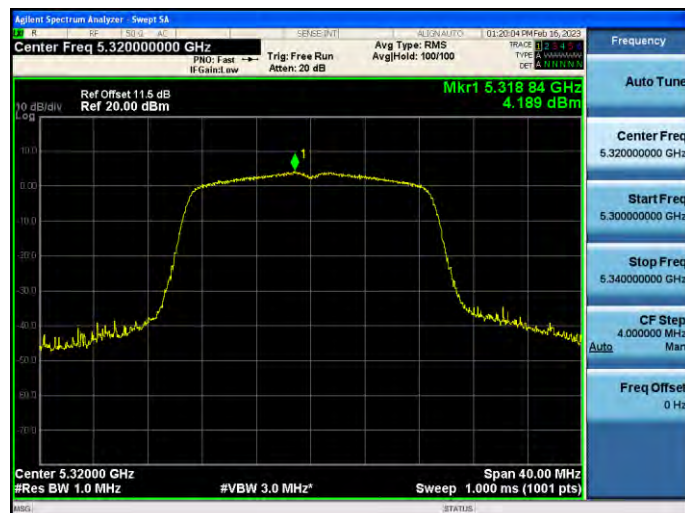
5260 MHz



5280 MHz

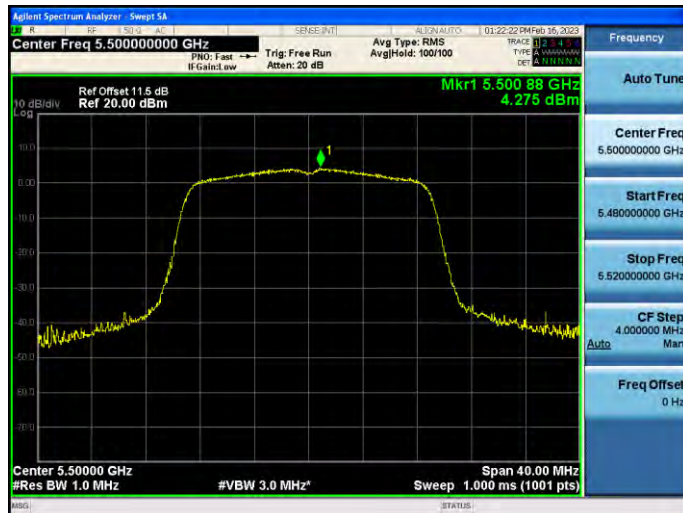


5320 MHz

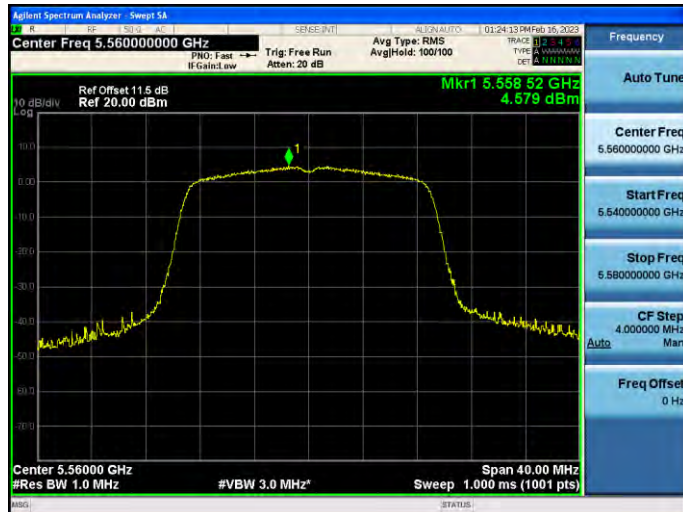


802.11ac VHT20\_ANT-0

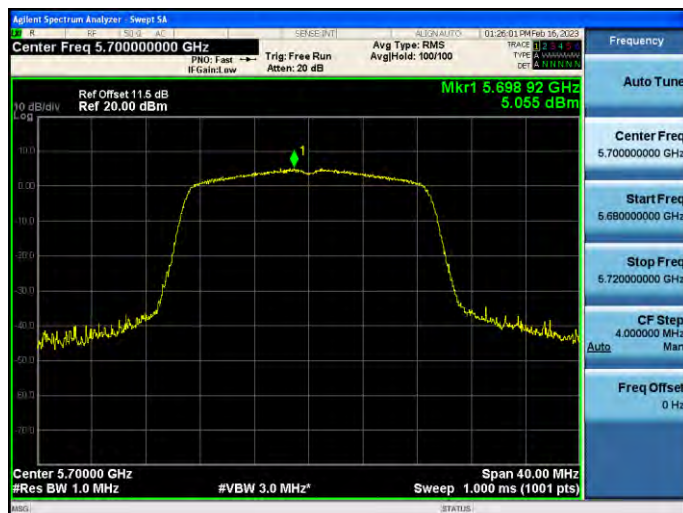
5500 MHz



5560 MHz



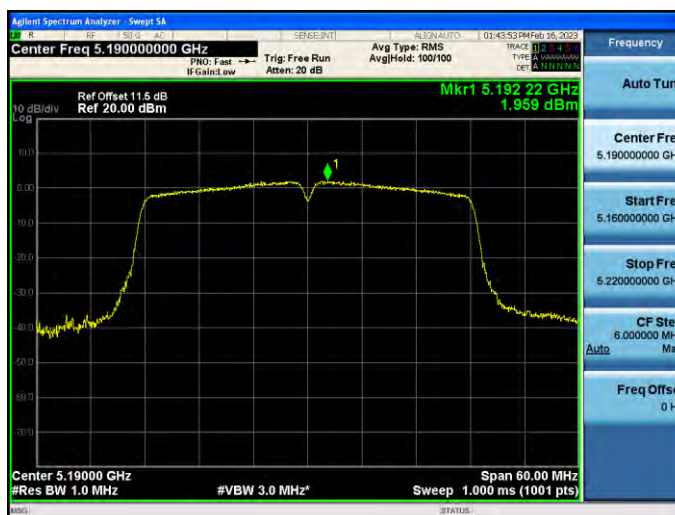
5700 MHz



Report Number: USRC231205002  
Version: 00

802.11ac VHT40\_ANT-0

5190 MHz



5230 MHz

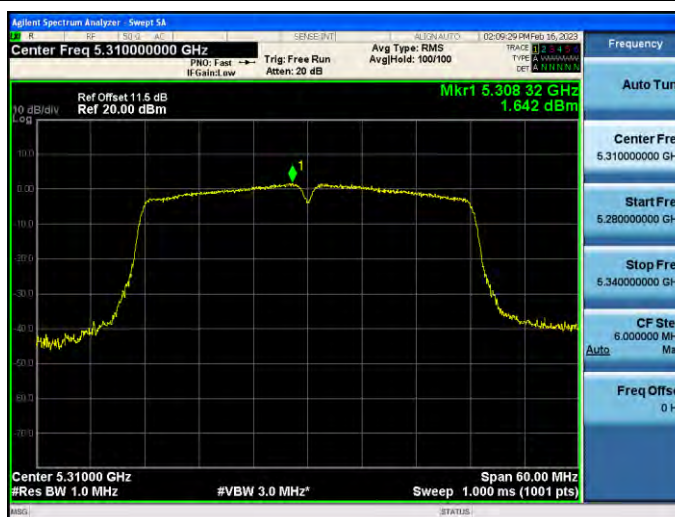


802.11ac VHT40\_ANT-0

5270 MHz

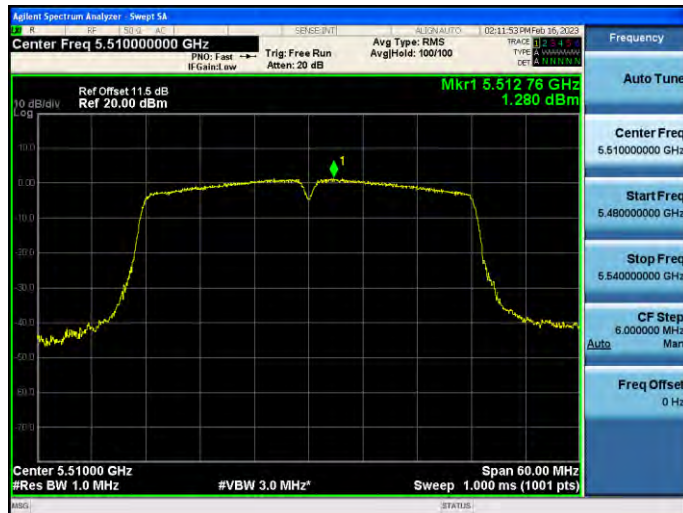


5310 MHz



802.11ac VHT40\_ANT-0

5510 MHz



5550 MHz



5670 MHz



802.11ac VHT40\_ANT-0

5755 MHz



5795 MHz



802.11ac VHT80\_ANT-0

5210 MHz



5290 MHz



802.11ac VHT80\_ANT-0

5530 MHz

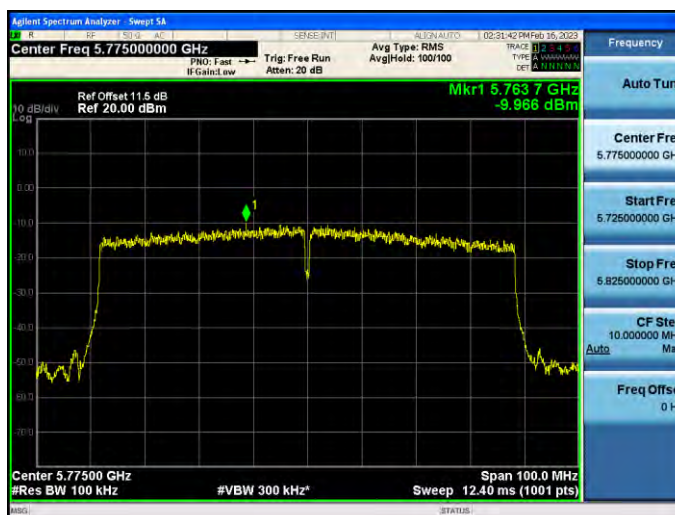


5610 MHz

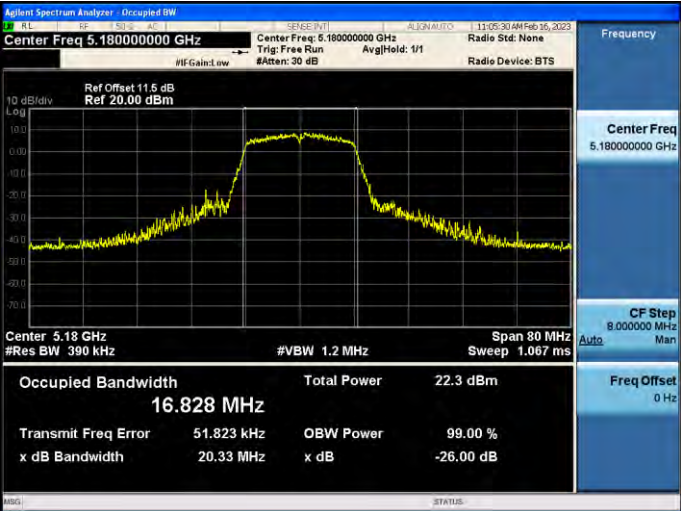
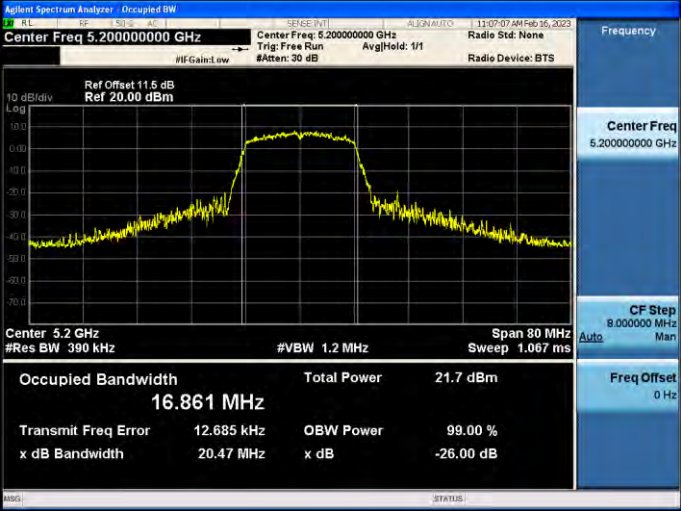
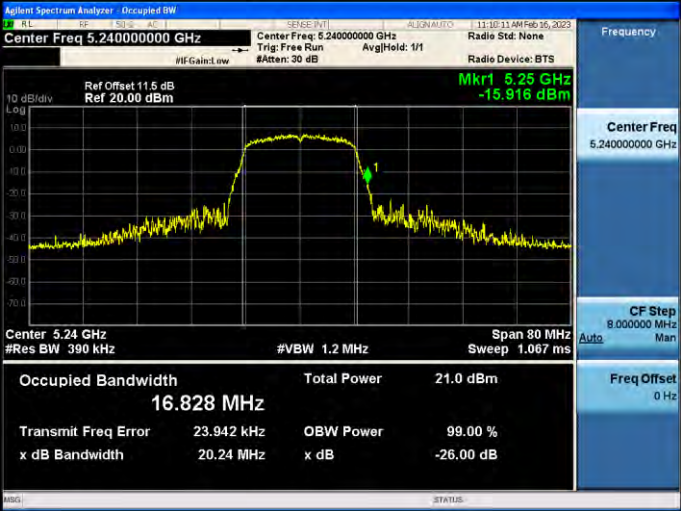


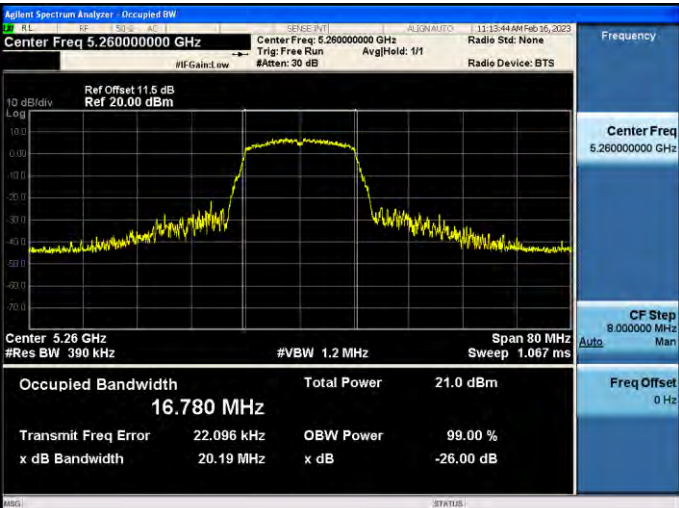
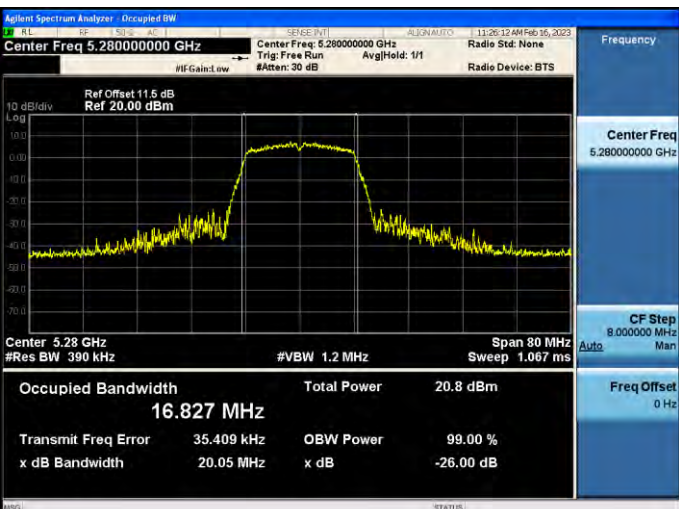
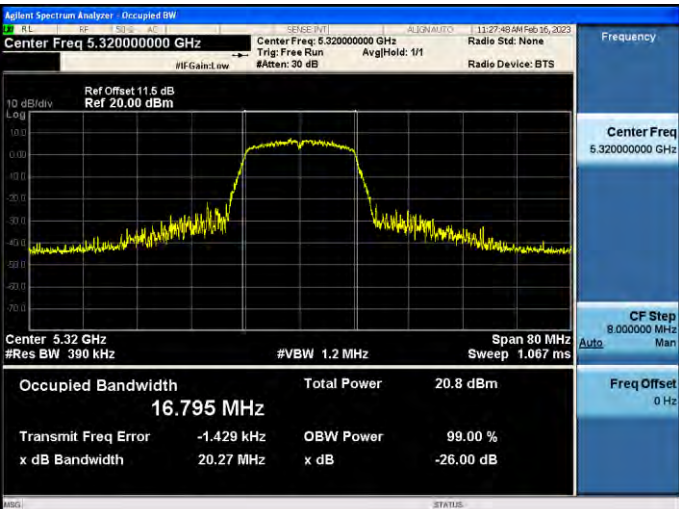
802.11ac VHT80\_ANT-0

5775 MHz



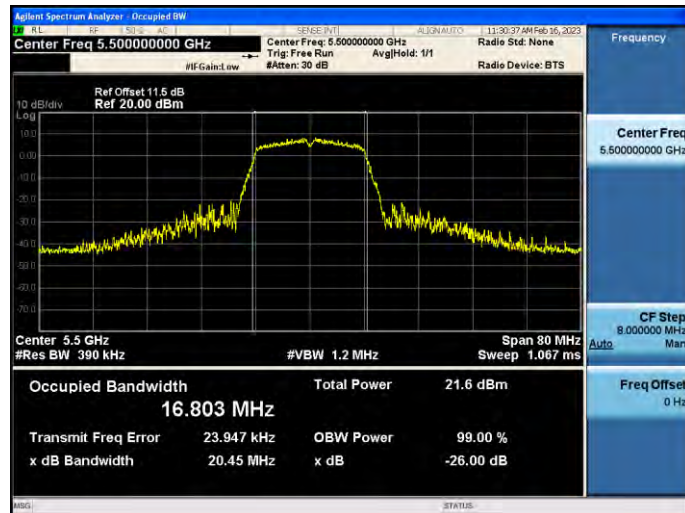
## 26 dB Bandwidth

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>802.11a</p> <p>5180 MHz</p> |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 5.180000000 GHz</p> <p>Ref Offset 11.5 dB<br/>Ref 20.00 dBm</p> <p>Center 5.18 GHz<br/>#Res BW 390 kHz</p> <p>Span 80 MHz<br/>Sweep 1.067 ms</p> <p>Occupied Bandwidth<br/><b>16.828 MHz</b></p> <p>Total Power<br/>22.3 dBm</p> <p>Transmit Freq Error<br/>51.823 kHz</p> <p>OBW Power<br/>99.00 %</p> <p>x dB Bandwidth<br/>20.33 MHz</p> <p>x dB<br/>-26.00 dB</p>                                        |
| <p>5200 MHz</p>                |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 5.200000000 GHz</p> <p>Ref Offset 11.5 dB<br/>Ref 20.00 dBm</p> <p>Center 5.2 GHz<br/>#Res BW 390 kHz</p> <p>Span 80 MHz<br/>Sweep 1.067 ms</p> <p>Occupied Bandwidth<br/><b>16.861 MHz</b></p> <p>Total Power<br/>21.7 dBm</p> <p>Transmit Freq Error<br/>12.685 kHz</p> <p>OBW Power<br/>99.00 %</p> <p>x dB Bandwidth<br/>20.47 MHz</p> <p>x dB<br/>-26.00 dB</p>                                        |
| <p>5240 MHz</p>                |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 5.240000000 GHz</p> <p>Ref Offset 11.5 dB<br/>Ref 20.00 dBm</p> <p>Center 5.24 GHz<br/>#Res BW 390 kHz</p> <p>Span 80 MHz<br/>Sweep 1.067 ms</p> <p>Occupied Bandwidth<br/><b>16.828 MHz</b></p> <p>Total Power<br/>21.0 dBm</p> <p>Transmit Freq Error<br/>23.942 kHz</p> <p>OBW Power<br/>99.00 %</p> <p>x dB Bandwidth<br/>20.24 MHz</p> <p>x dB<br/>-26.00 dB</p> <p>Mkr1 5.25 GHz<br/>-15.916 dBm</p> |

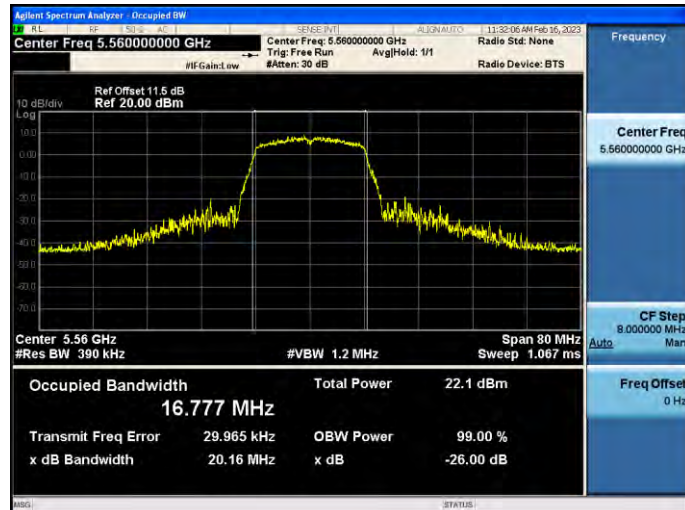
|                                        |                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------|
| <div>802.11a</div> <div>5260 MHz</div> |    |
| <div>5280 MHz</div>                    |   |
| <div>5320 MHz</div>                    |  |

802.11a

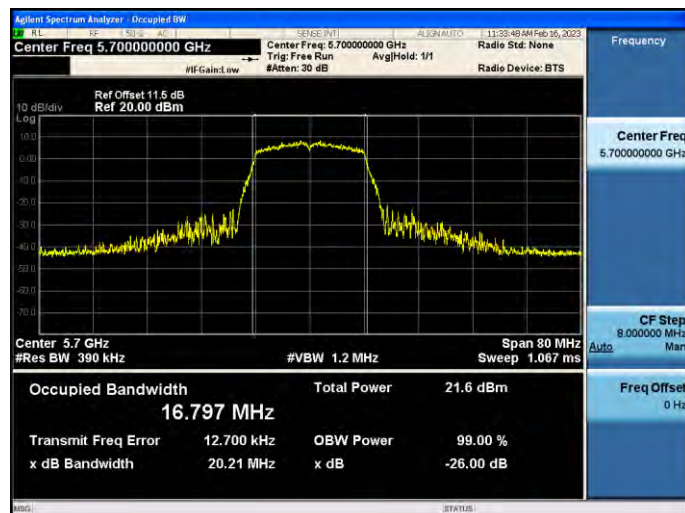
5500 MHz



5560 MHz

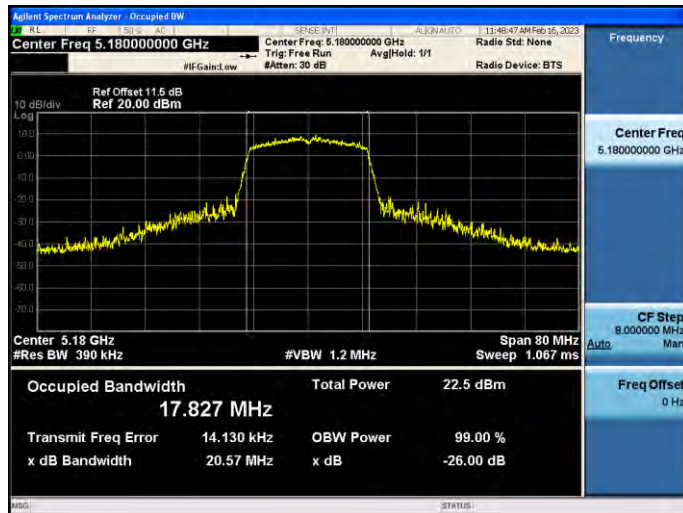


5700 MHz

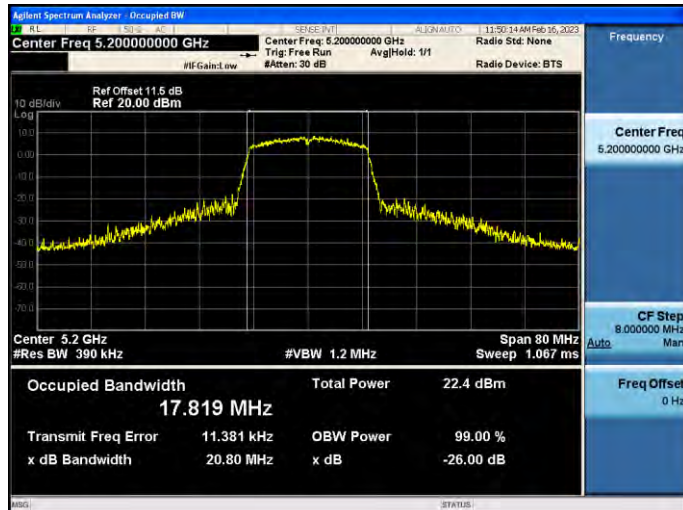


802.11ac VHT20\_ANT-0

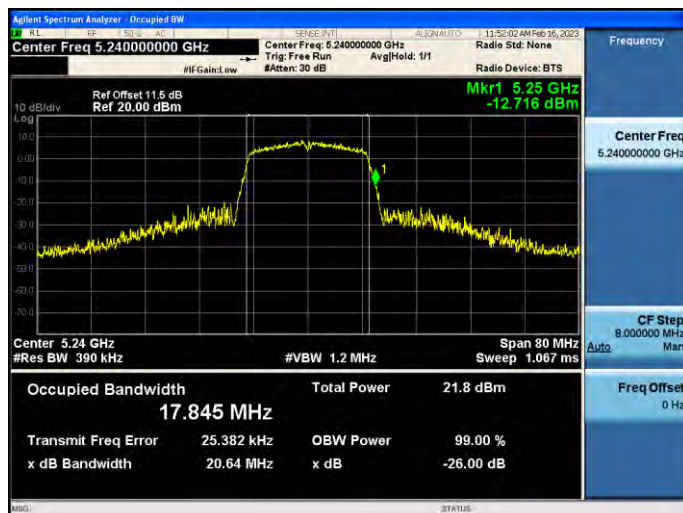
5180 MHz



5200 MHz

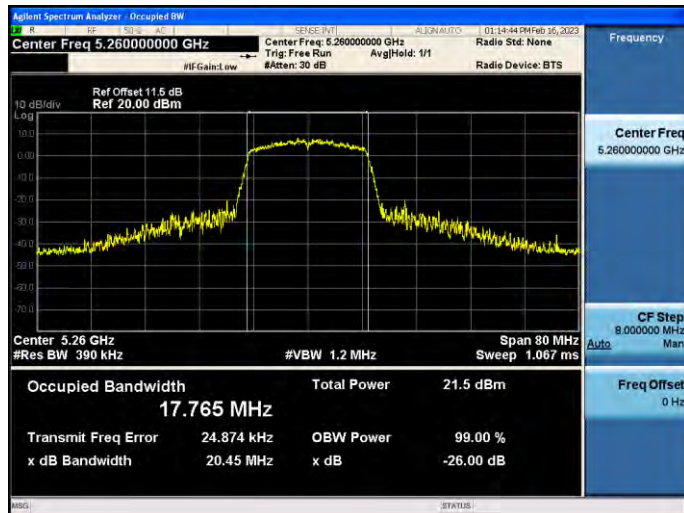


5240 MHz

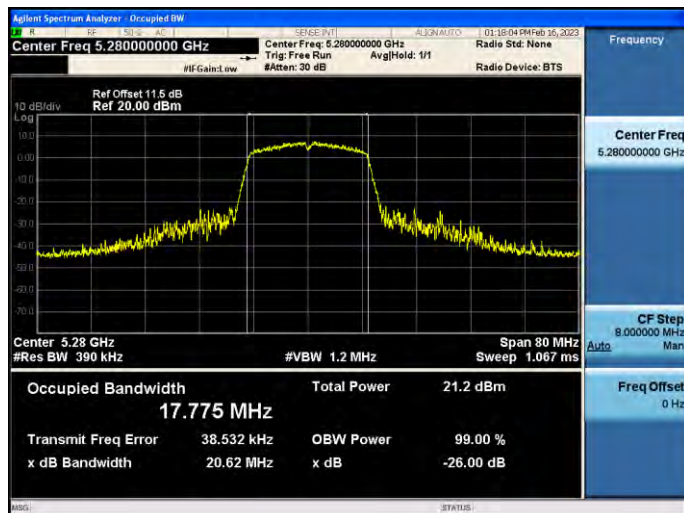


## 802.11ac VHT20\_ANT-0

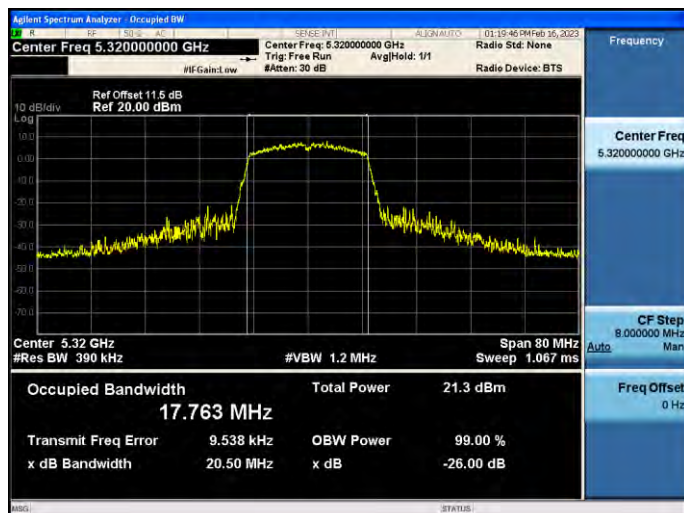
5260 MHz



5280 MHz

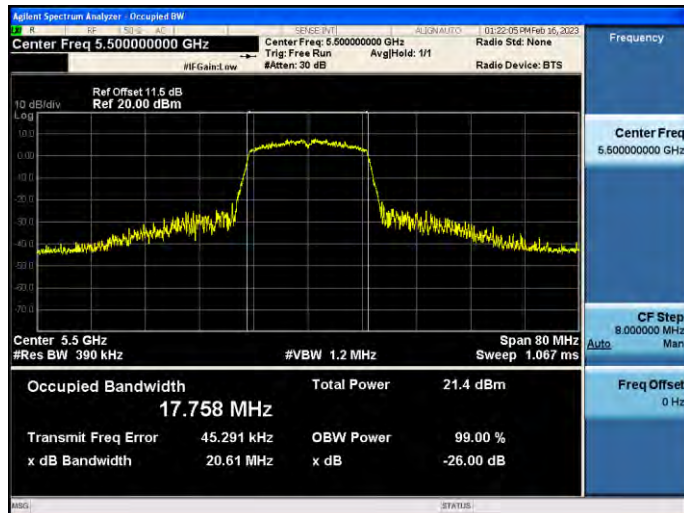


5320 MHz

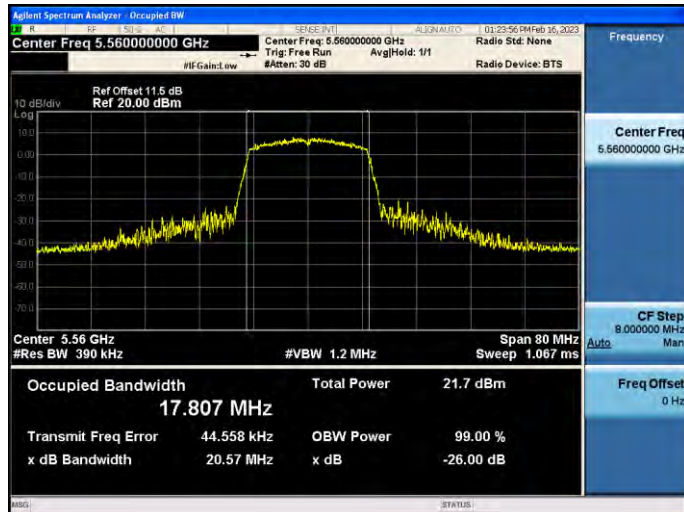


## 802.11ac VHT20\_ANT-0

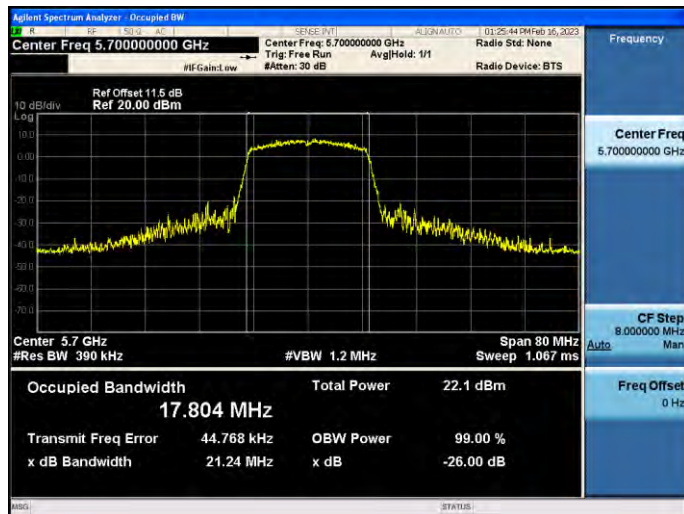
5500 MHz



5560 MHz

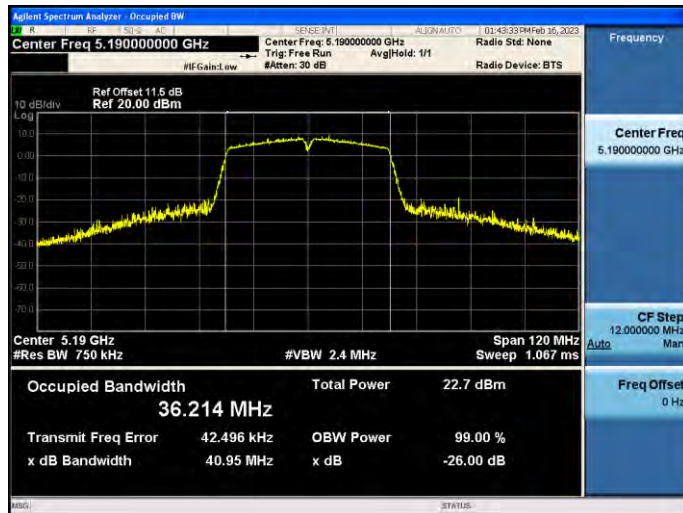


5700 MHz

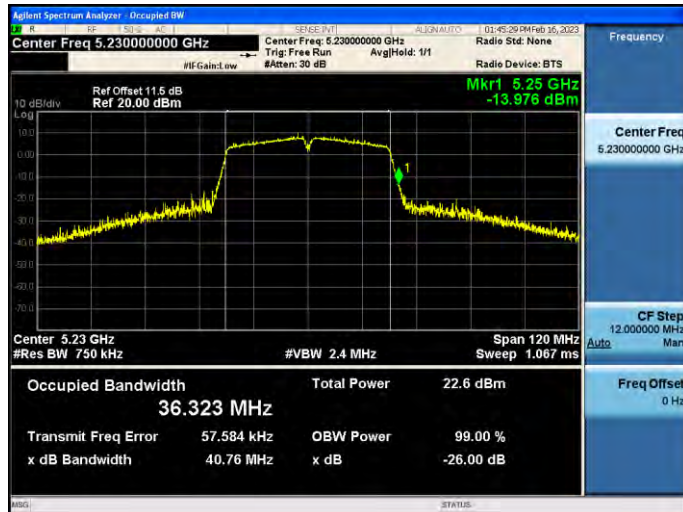


## 802.11ac VHT40\_ANT-0

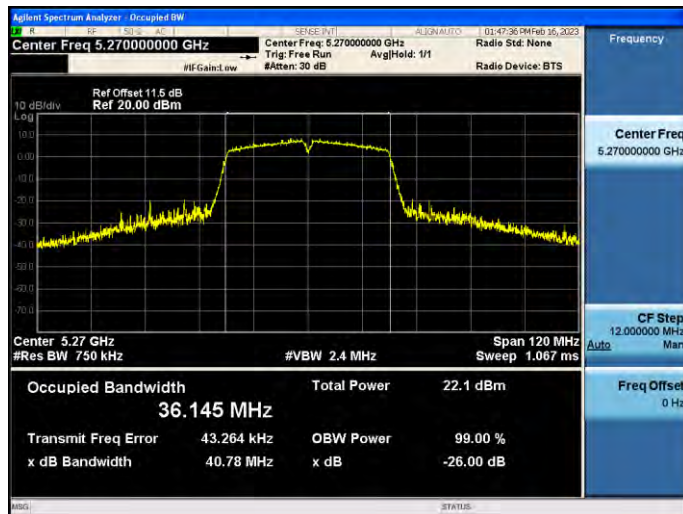
5190 MHz



5230 MHz

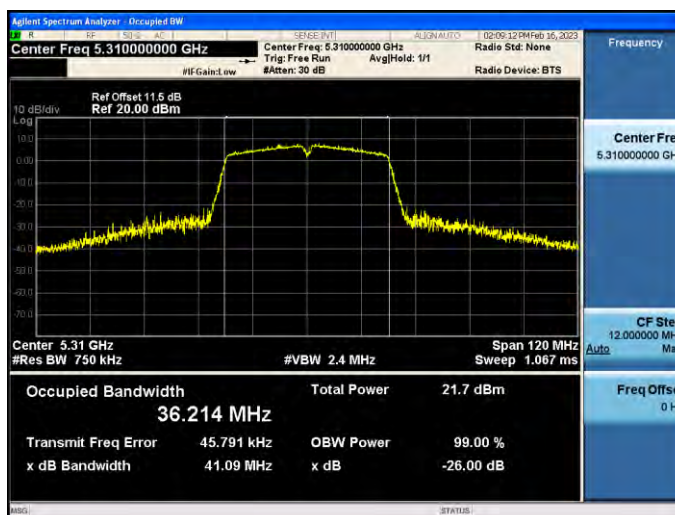


5270 MHz

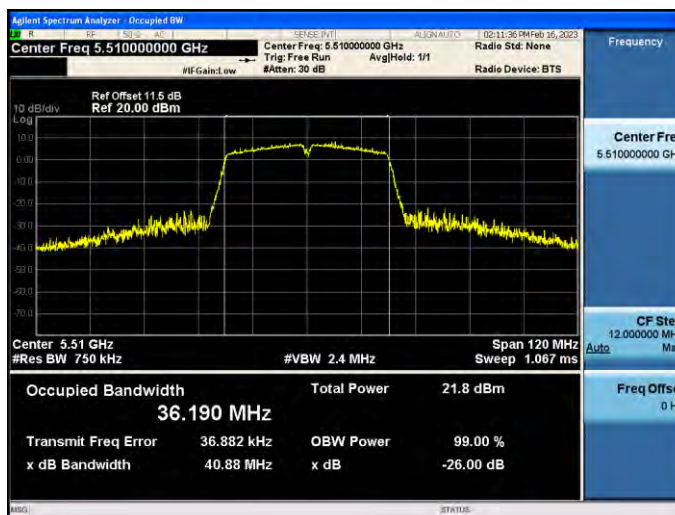


802.11ac VHT40\_ANT-0

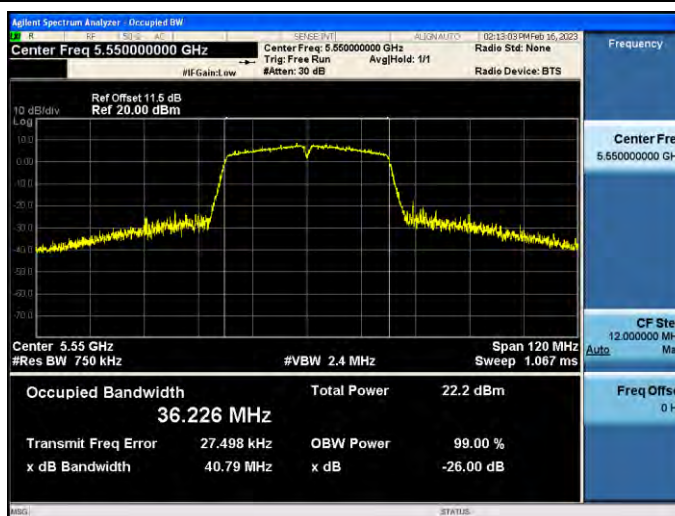
5310 MHz

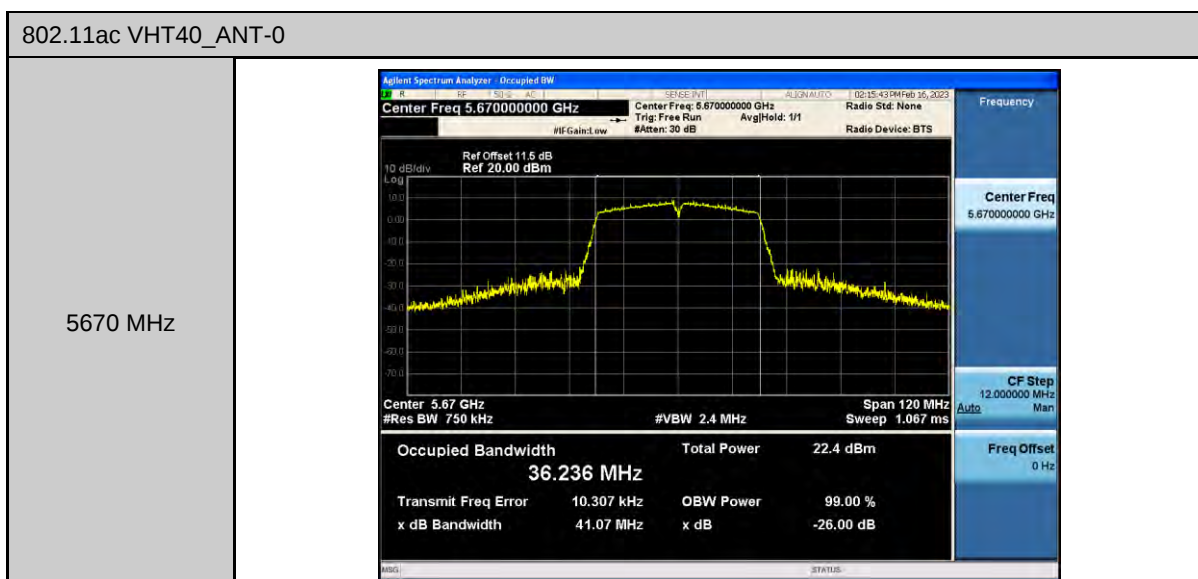


5510 MHz



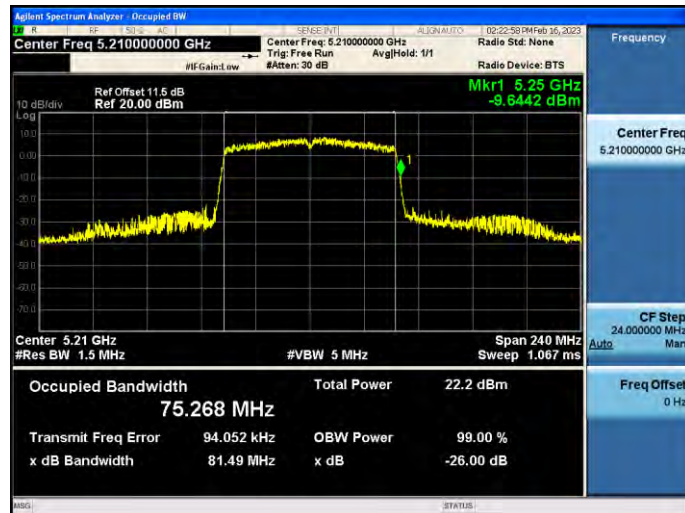
5550 MHz



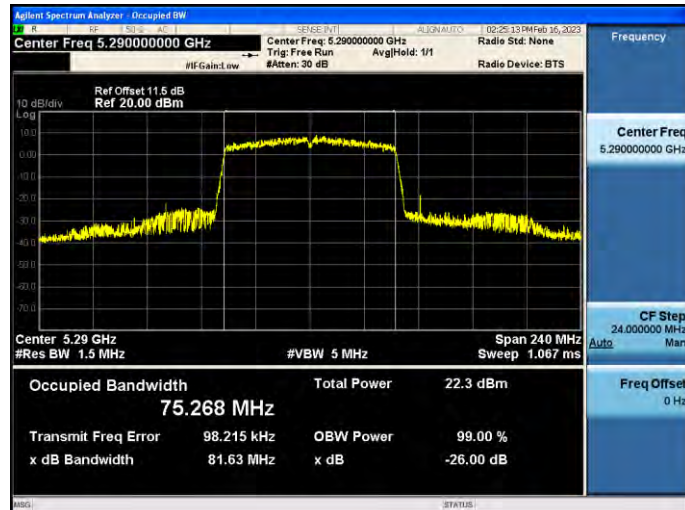


## 802.11ac VHT80\_ANT-0

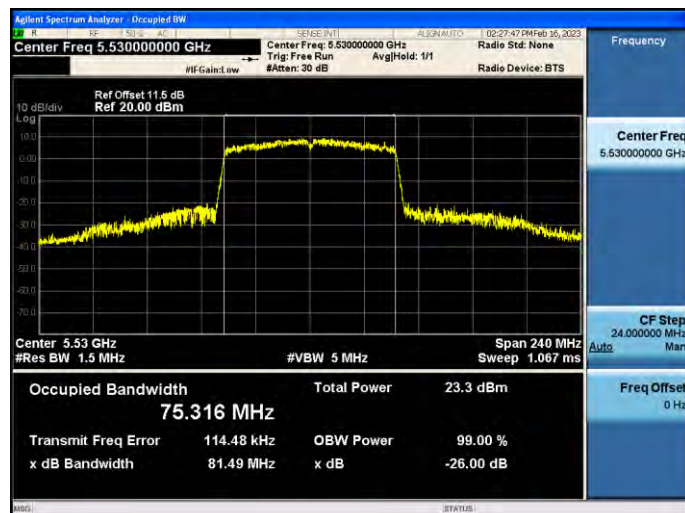
5210 MHz

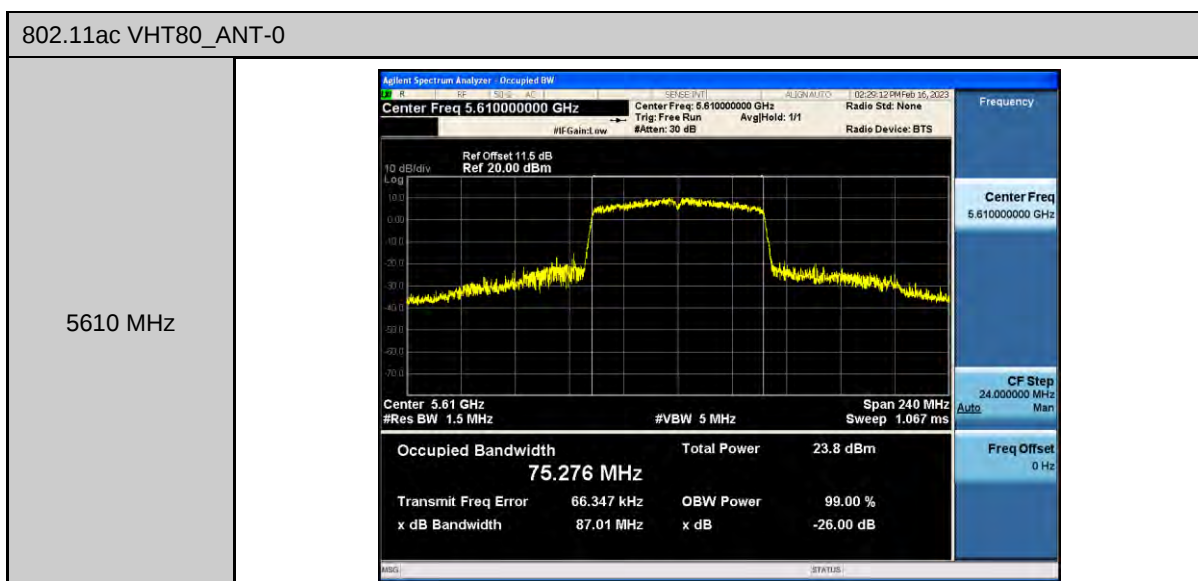


5290 MHz



5530 MHz

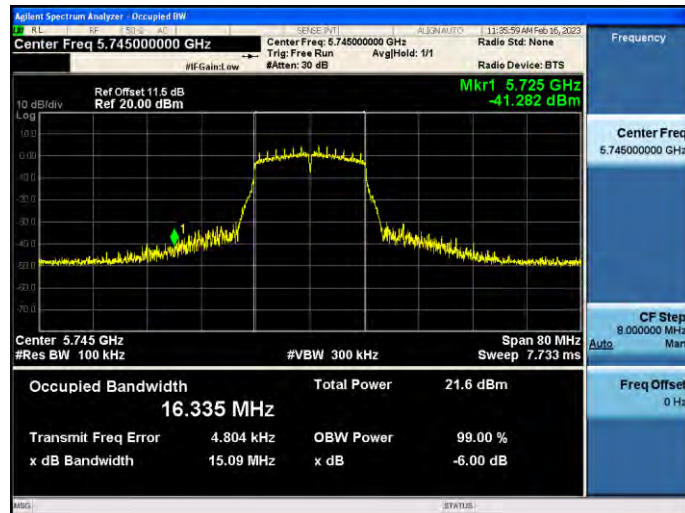




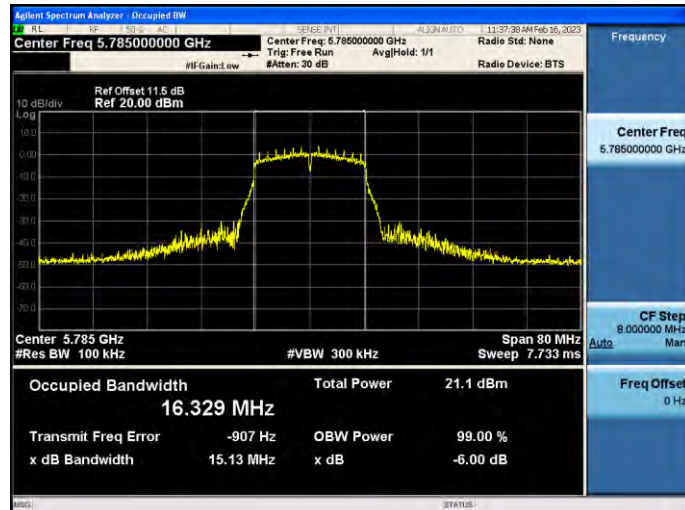
6 dB Bandwidth

802.11a

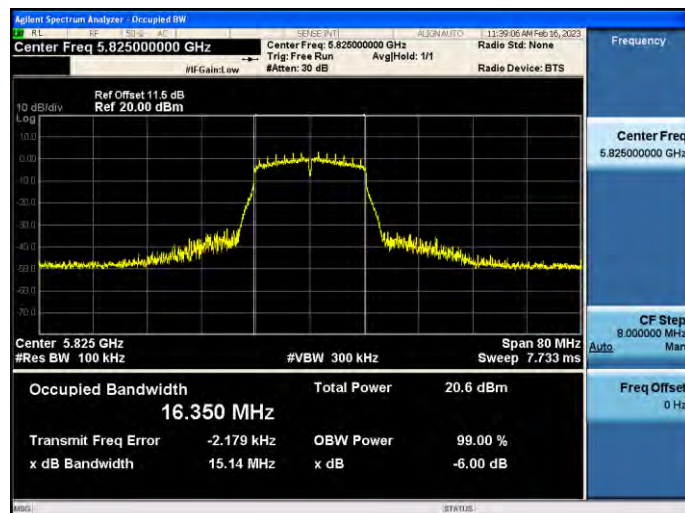
5745 MHz



5785 MHz

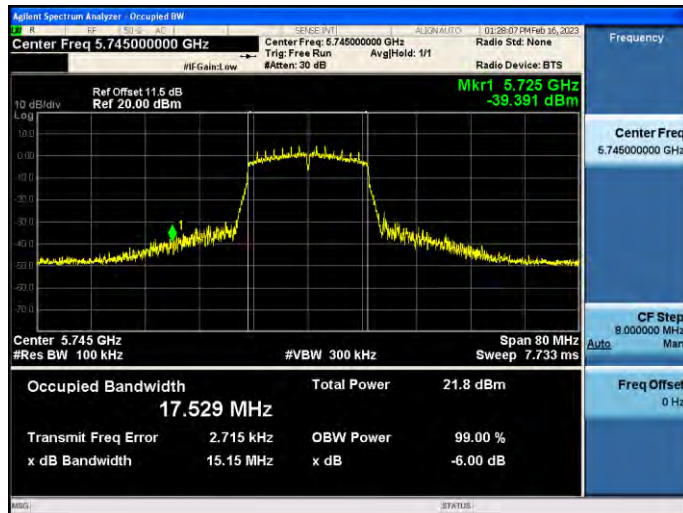


5825 MHz

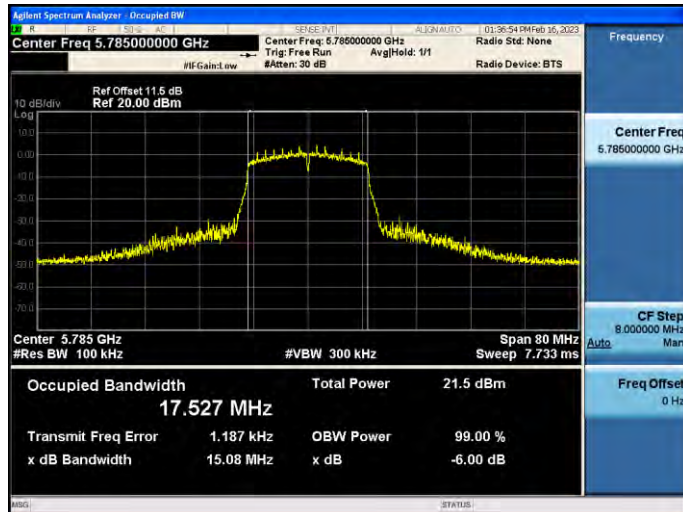


802.11ac VHT20\_ANT-0

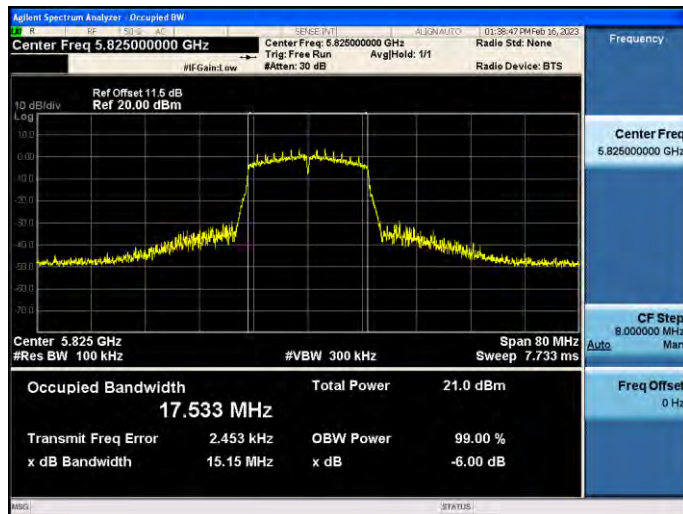
5745 MHz



5785 MHz

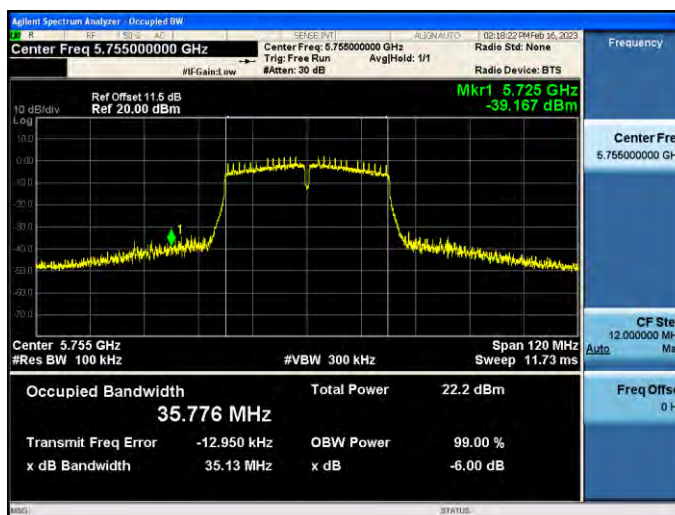


5825 MHz

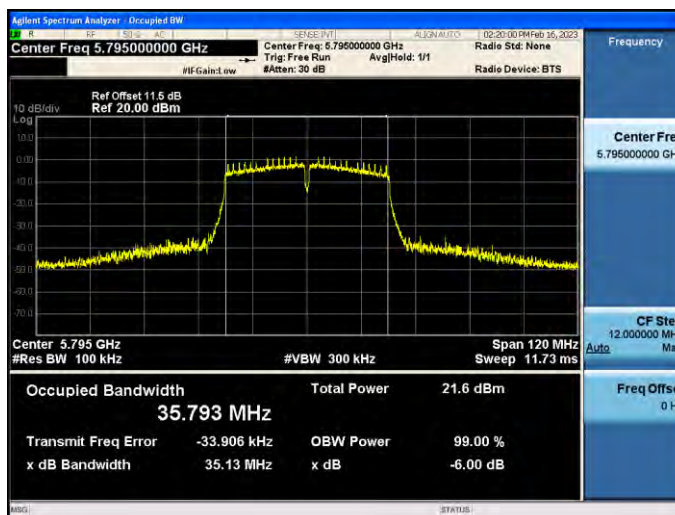


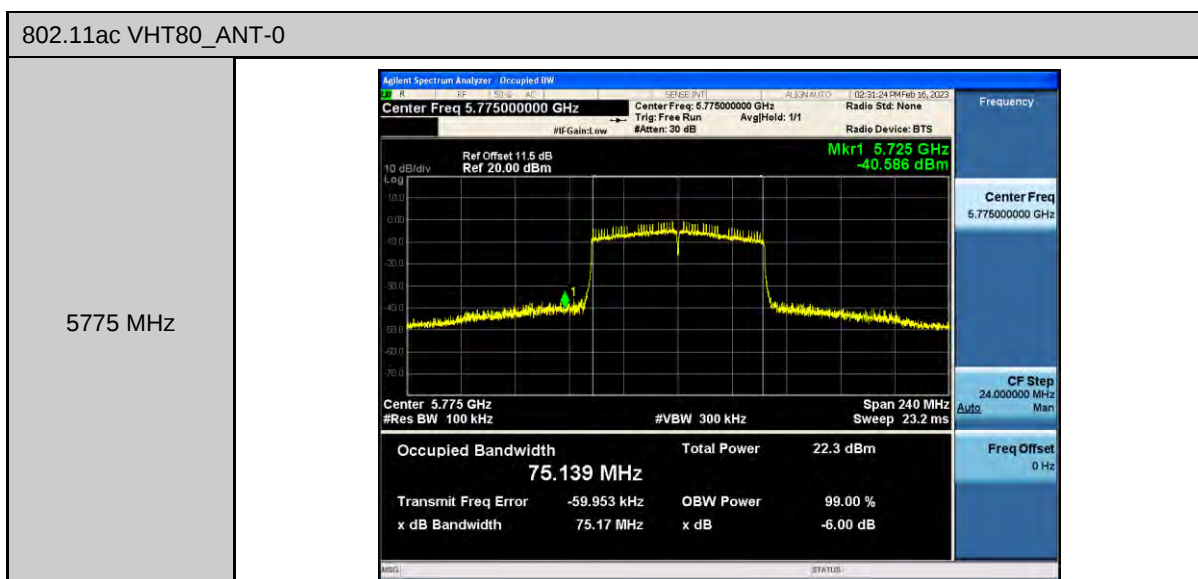
802.11ac VHT40\_ANT-0

5755 MHz

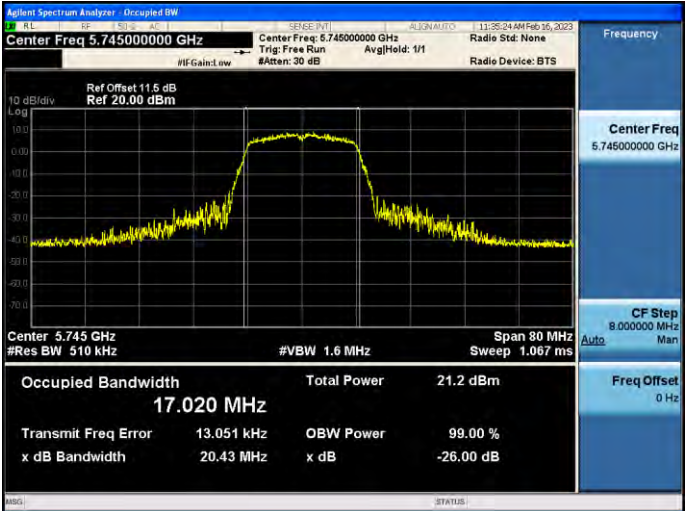
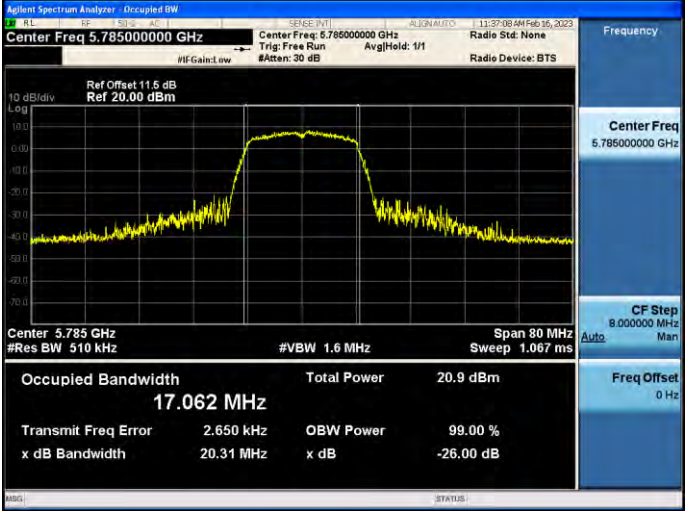
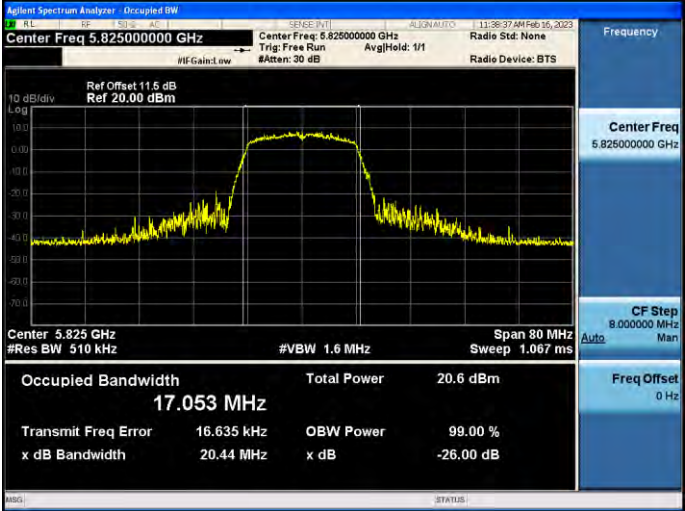


5795 MHz



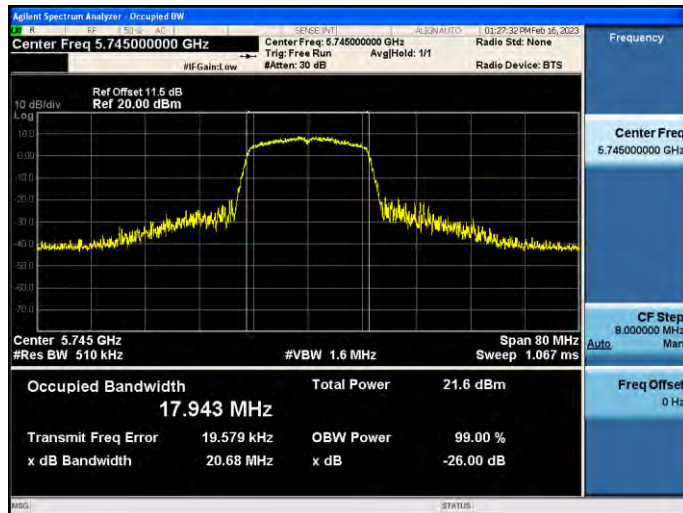


99% Occupied Bandwidth

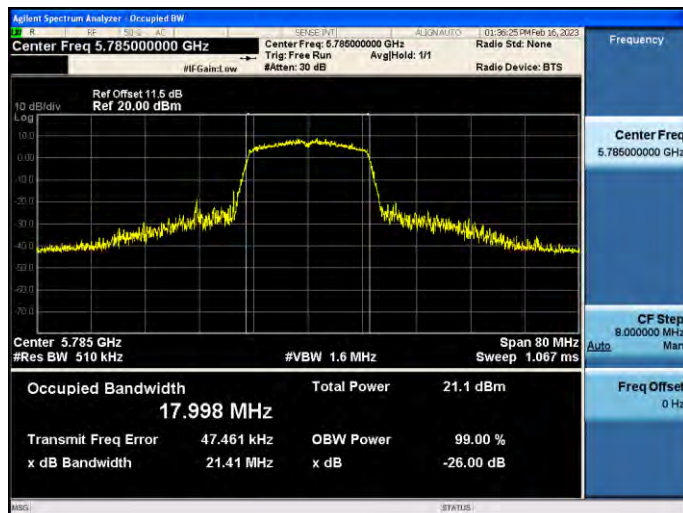
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>802.11a</p> <p>5745 MHz</p> |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 5.745000000 GHz</p> <p>Ref Offset 11.5 dB<br/>Ref 20.00 dBm</p> <p>Center 5.745 GHz<br/>#Res BW 510 kHz</p> <p>Span 80 MHz<br/>Sweep 1.067 ms</p> <p>#VBW 1.6 MHz</p> <p>Occupied Bandwidth<br/><b>17.020 MHz</b></p> <p>Total Power<br/>21.2 dBm</p> <p>Transmit Freq Error<br/>13.051 kHz</p> <p>OBW Power<br/>99.00 %</p> <p>x dB Bandwidth<br/>20.43 MHz</p> <p>x dB<br/>-26.00 dB</p>   |
| <p>5785 MHz</p>                |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 5.785000000 GHz</p> <p>Ref Offset 11.5 dB<br/>Ref 20.00 dBm</p> <p>Center 5.785 GHz<br/>#Res BW 510 kHz</p> <p>Span 80 MHz<br/>Sweep 1.067 ms</p> <p>#VBW 1.6 MHz</p> <p>Occupied Bandwidth<br/><b>17.062 MHz</b></p> <p>Total Power<br/>20.9 dBm</p> <p>Transmit Freq Error<br/>2.650 kHz</p> <p>OBW Power<br/>99.00 %</p> <p>x dB Bandwidth<br/>20.31 MHz</p> <p>x dB<br/>-26.00 dB</p>   |
| <p>5825 MHz</p>                |  <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 5.825000000 GHz</p> <p>Ref Offset 11.5 dB<br/>Ref 20.00 dBm</p> <p>Center 5.825 GHz<br/>#Res BW 510 kHz</p> <p>Span 80 MHz<br/>Sweep 1.067 ms</p> <p>#VBW 1.6 MHz</p> <p>Occupied Bandwidth<br/><b>17.053 MHz</b></p> <p>Total Power<br/>20.6 dBm</p> <p>Transmit Freq Error<br/>16.635 kHz</p> <p>OBW Power<br/>99.00 %</p> <p>x dB Bandwidth<br/>20.44 MHz</p> <p>x dB<br/>-26.00 dB</p> |

802.11ac VHT20\_ANT-0

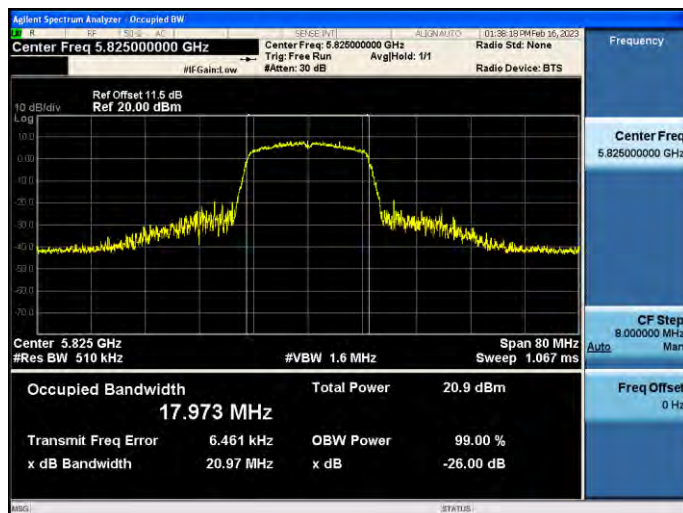
5745 MHz



5785 MHz

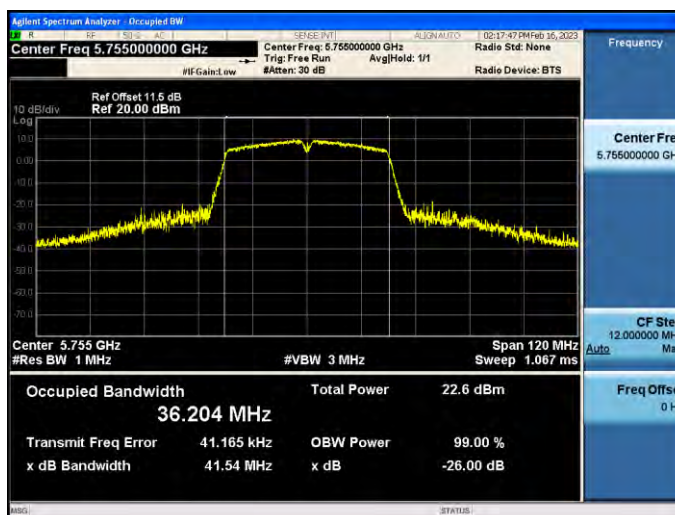


5825 MHz



802.11ac VHT40\_ANT-0

5755 MHz



5795 MHz

