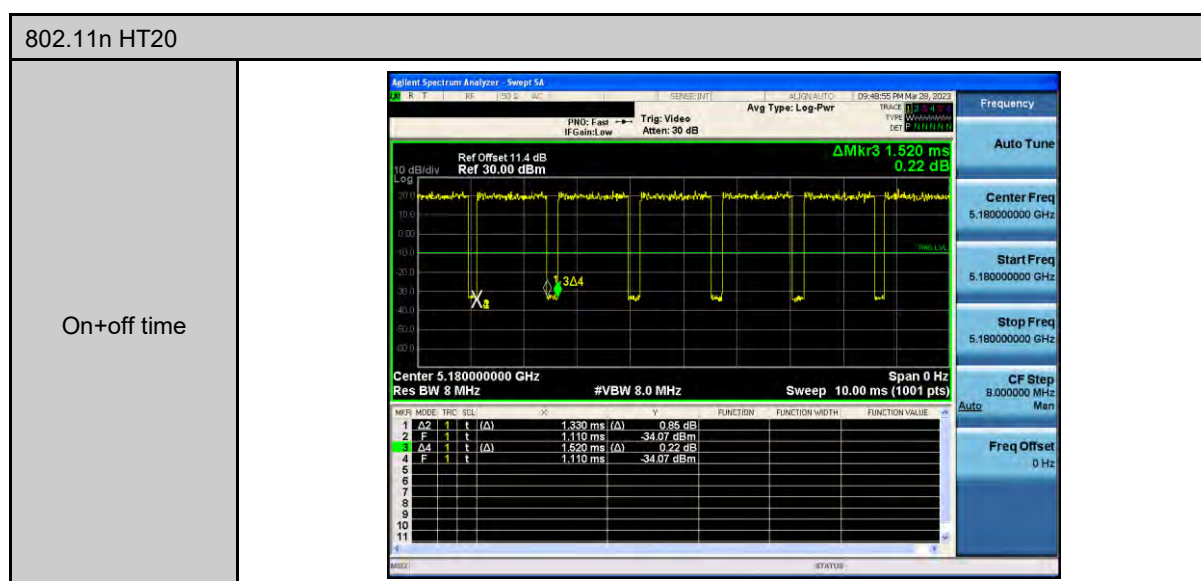
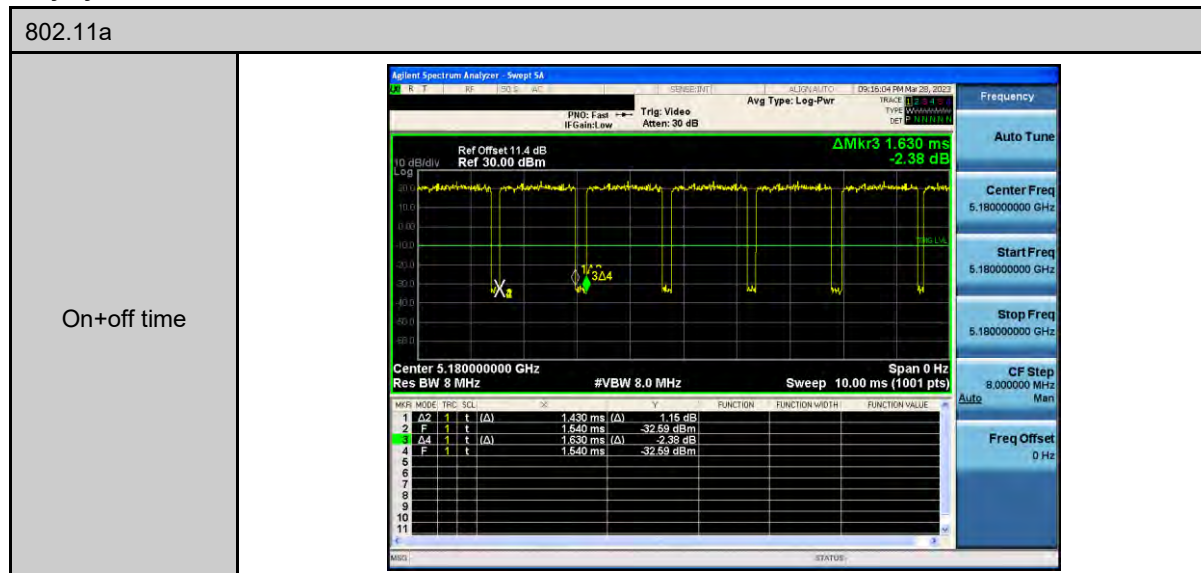


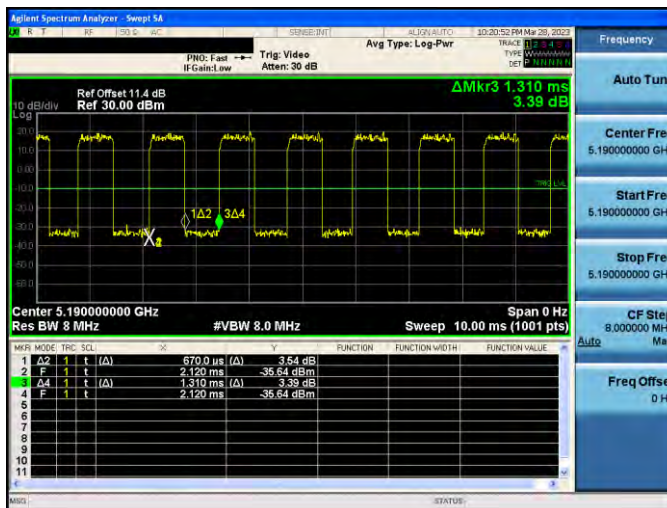
Appendix B. Test Plots

Duty cycle



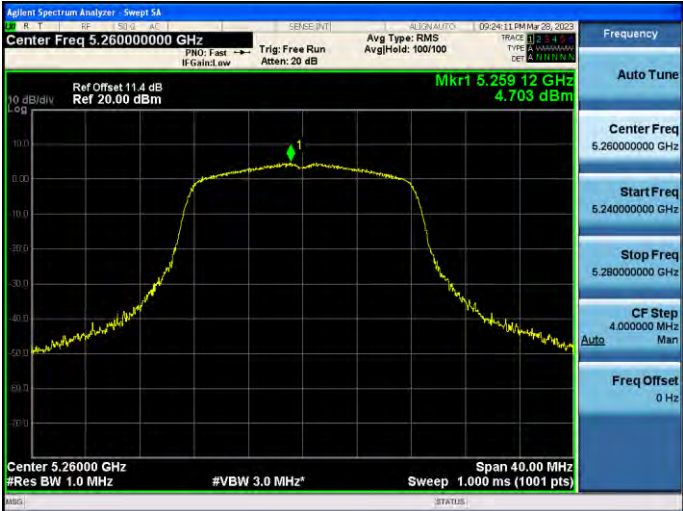
802.11n HT40

On+off time

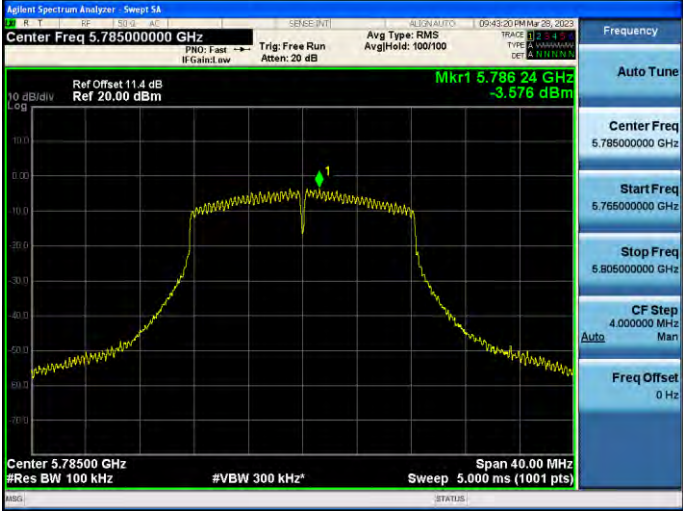


Maximum Power Spectral Density

802.11a 5180 MHz	
5200 MHz	
5240 MHz	

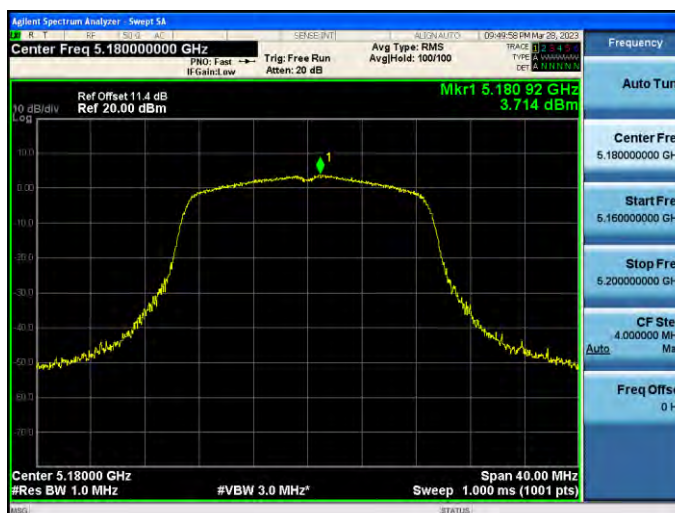
802.11a 5260 MHz	
5280 MHz	
5320 MHz	

802.11a 5500 MHz	
5560 MHz	
5700 MHz	

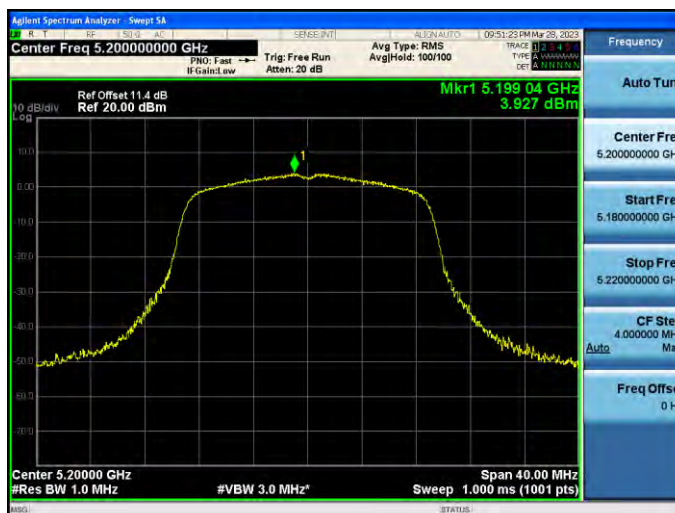
802.11a 5745 MHz	
5785 MHz	
5825 MHz	

802.11n HT20_ANT-0

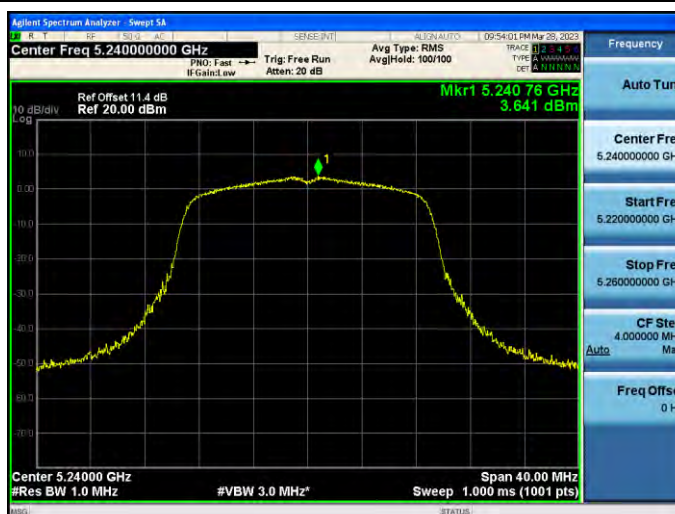
5180 MHz



5200 MHz

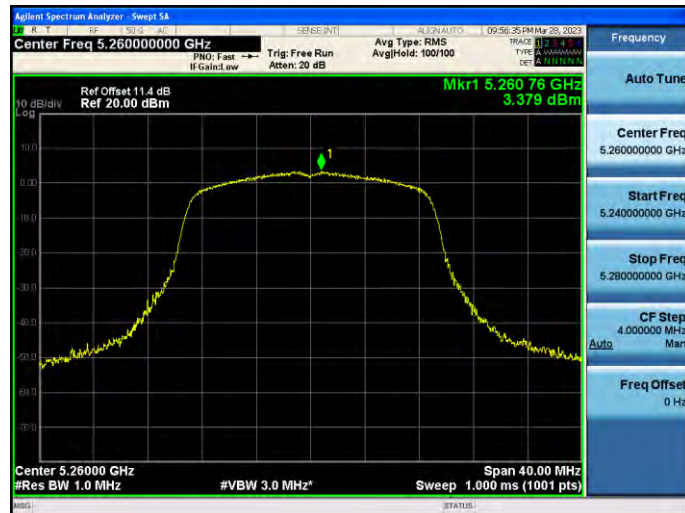


5240 MHz

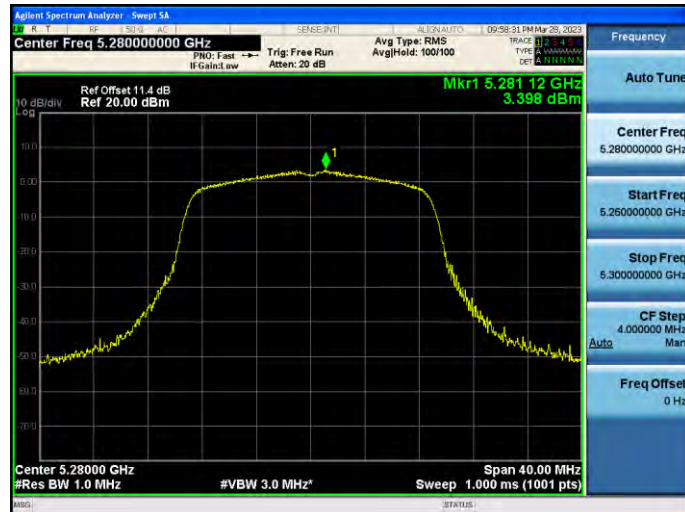


802.11n HT20_ANT-0

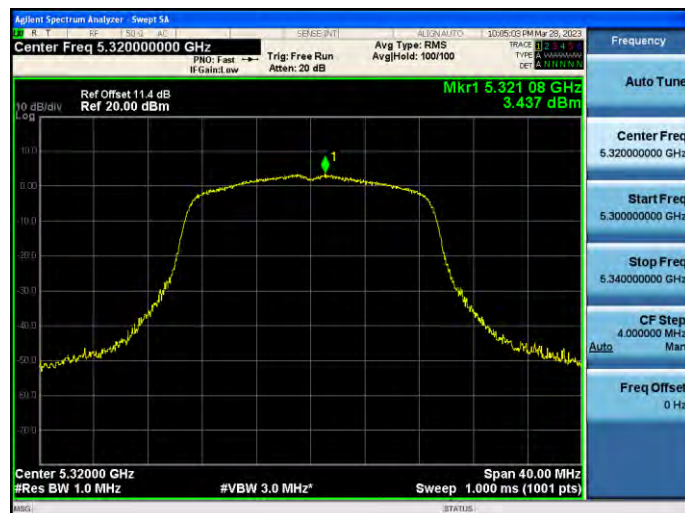
5260 MHz



5280 MHz

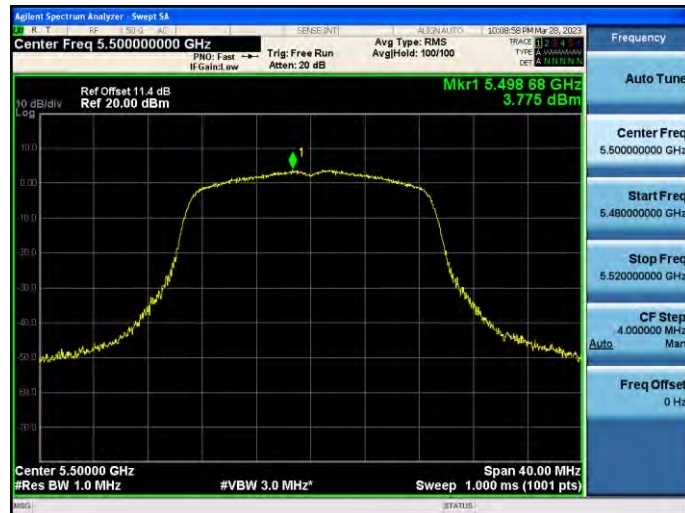


5320 MHz

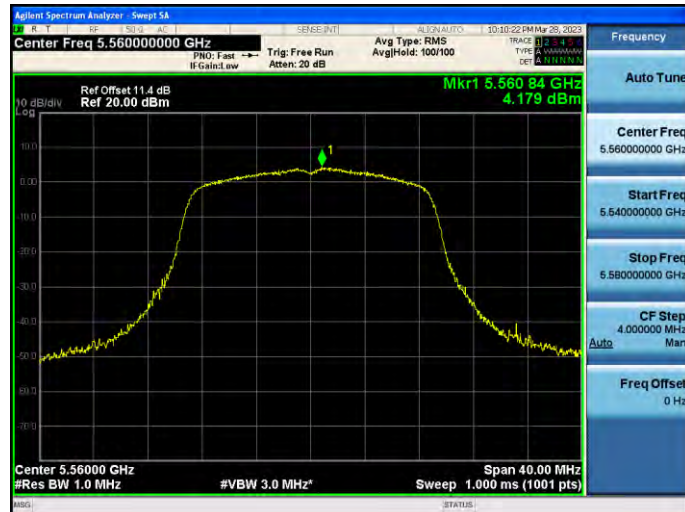


802.11n HT20_ANT-0

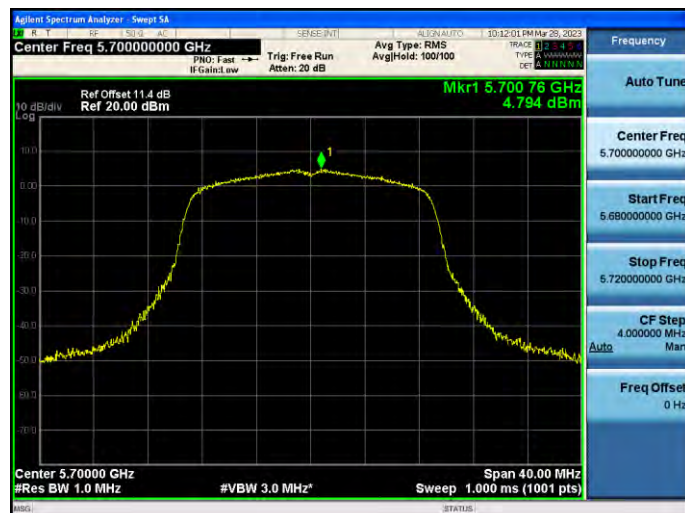
5500 MHz



5560 MHz



5700 MHz



802.11n HT20_ANT-0

5745 MHz



5785 MHz



5825 MHz

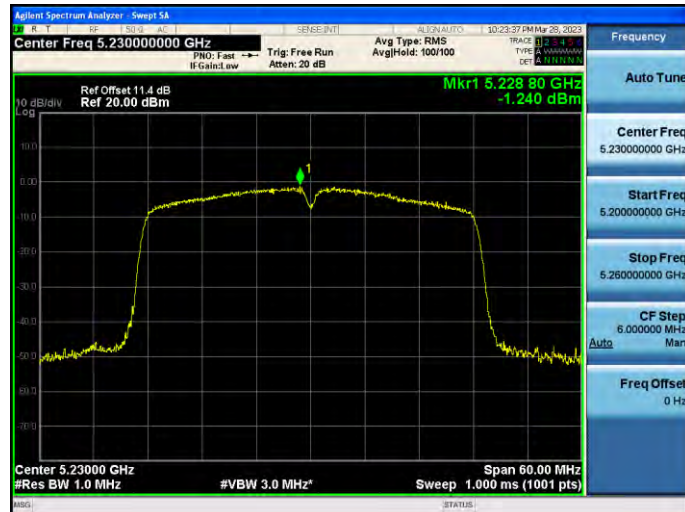


802.11n HT40_ANT-0

5190 MHz



5230 MHz



802.11n HT40_ANT-0

5270 MHz

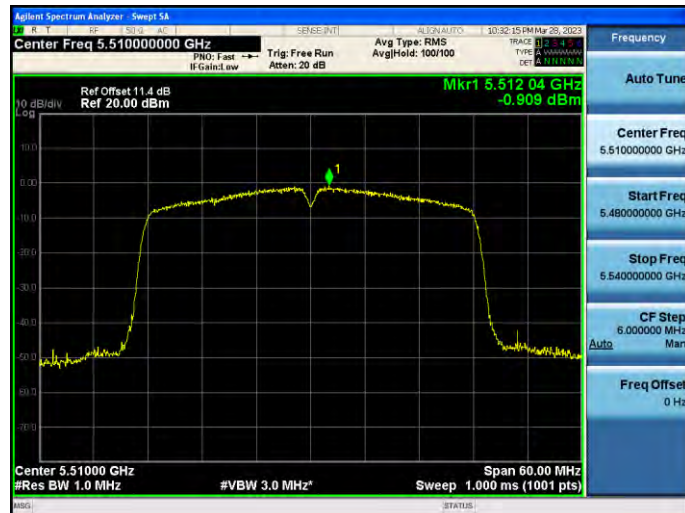


5310 MHz

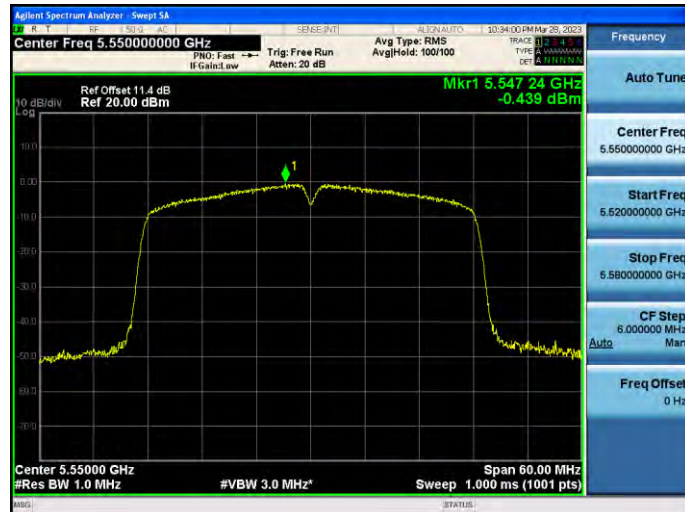


802.11n HT40_ANT-0

5510 MHz



5550 MHz



5670 MHz

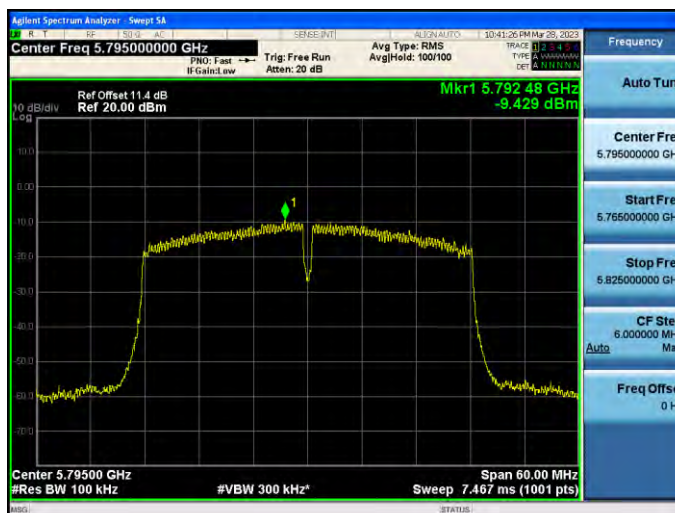


802.11n HT40_ANT-0

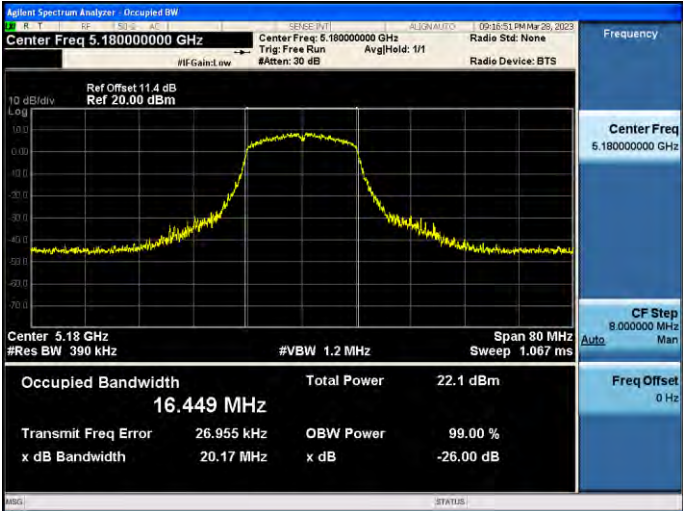
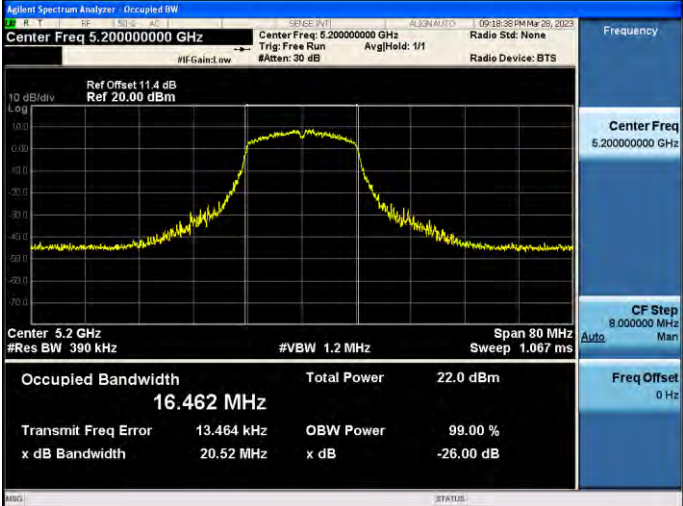
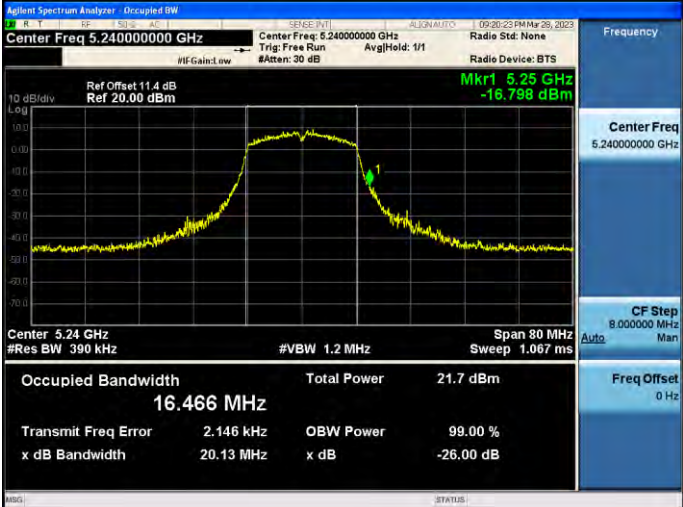
5755 MHz



5795 MHz

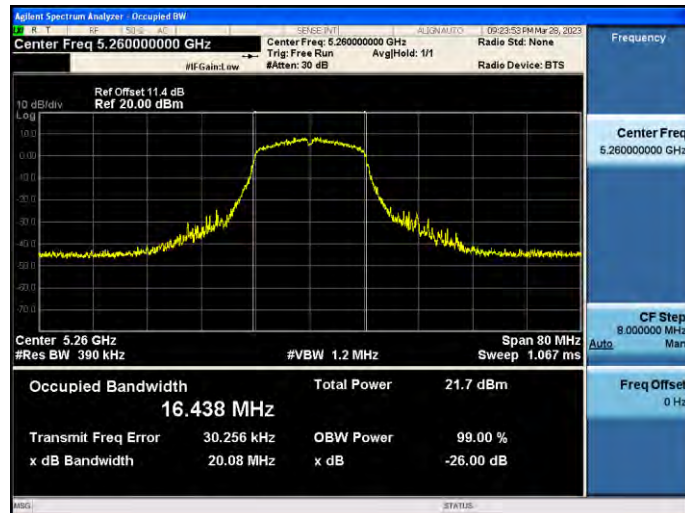


26 dB Bandwidth

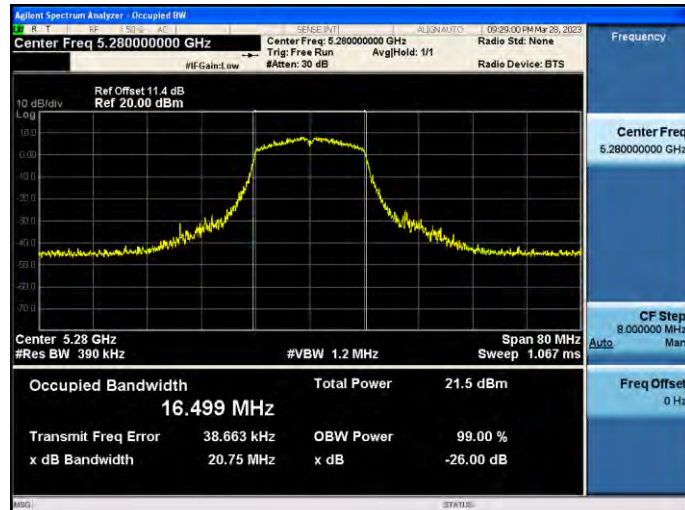
802.11a 5180 MHz	
5200 MHz	
5240 MHz	

802.11a

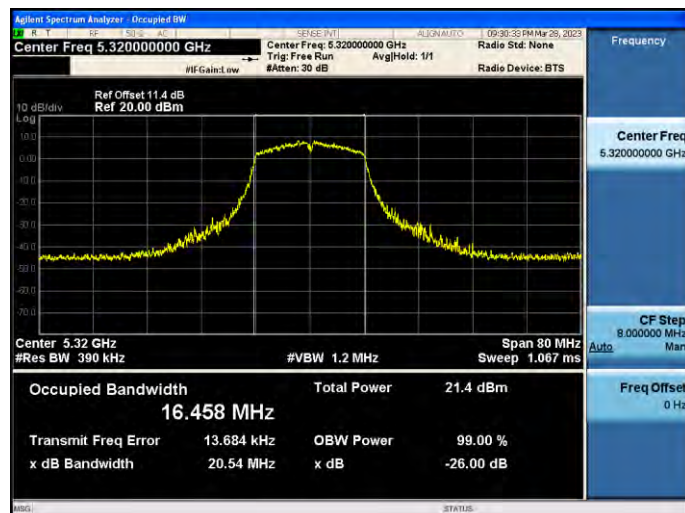
5260 MHz



5280 MHz



5320 MHz



802.11a

5500 MHz

Agilent Spectrum Analyzer - Occupied BW

Center Freq 5.500000000 GHz

Center Freq: 5.500000000 GHz

Trig: Free Run

AvgHld: 1/1

Radio Std: None

Radio Device: BTS

Ref Offset 11.4 dB

Ref 20.00 dBm

10 dB/div

Log

Center 5.5 GHz

#Res BW 390 kHz

#VBW 1.2 MHz

Span 80 MHz

Sweep 1.067 ms

Occupied Bandwidth 16.447 MHz

Total Power 21.9 dBm

Transmit Freq Error 32.162 kHz

OBW Power 99.00 %

x dB Bandwidth 20.47 MHz

x dB -26.00 dB

Frequency

Center Freq 5.500000000 GHz

CF Step 8.000000 MHz

Auto Man

Freq Offset 0 Hz

5560 MHz

Agilent Spectrum Analyzer - Occupied BW

Center Freq 5.560000000 GHz

Center Freq: 5.560000000 GHz

Trig: Free Run

AvgHld: 1/1

Radio Std: None

Radio Device: BTS

Ref Offset 11.4 dB

Ref 20.00 dBm

10 dB/div

Log

Center 5.56 GHz

#Res BW 390 kHz

#VBW 1.2 MHz

Span 80 MHz

Sweep 1.067 ms

Occupied Bandwidth 16.455 MHz

Total Power 22.5 dBm

Transmit Freq Error 12.616 kHz

OBW Power 99.00 %

x dB Bandwidth 20.19 MHz

x dB -26.00 dB

Frequency

Center Freq 5.560000000 GHz

CF Step 8.000000 MHz

Auto Man

Freq Offset 0 Hz

5700 MHz

Agilent Spectrum Analyzer - Occupied BW

Center Freq 5.700000000 GHz

Center Freq: 5.700000000 GHz

Trig: Free Run

AvgHld: 1/1

Radio Std: None

Radio Device: BTS

Ref Offset 11.4 dB

Ref 20.00 dBm

10 dB/div

Log

Center 5.7 GHz

#Res BW 390 kHz

#VBW 1.2 MHz

Span 80 MHz

Sweep 1.067 ms

Occupied Bandwidth 16.414 MHz

Total Power 22.9 dBm

Transmit Freq Error 38.576 kHz

OBW Power 99.00 %

x dB Bandwidth 20.52 MHz

x dB -26.00 dB

Frequency

Center Freq 5.700000000 GHz

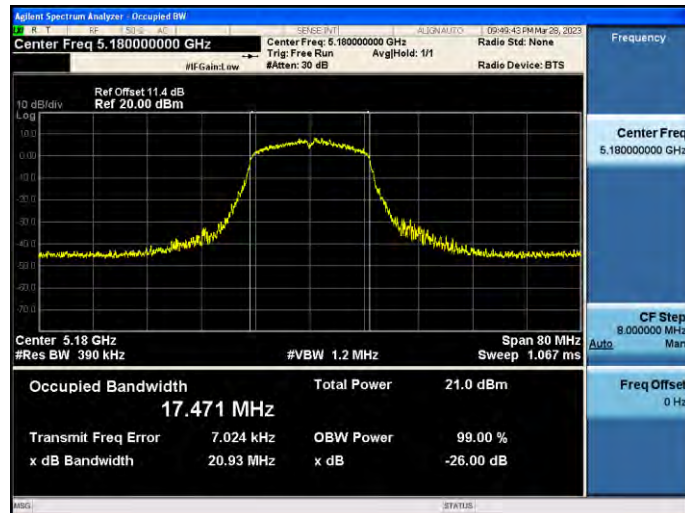
CF Step 8.000000 MHz

Auto Man

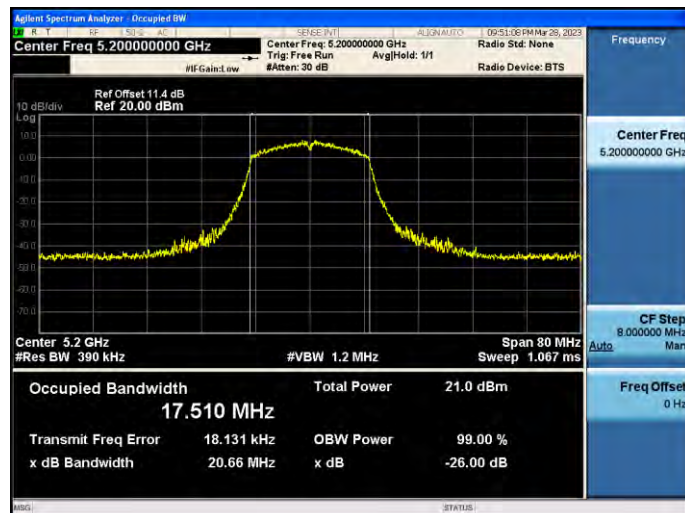
Freq Offset 0 Hz

802.11n HT20_ANT-0

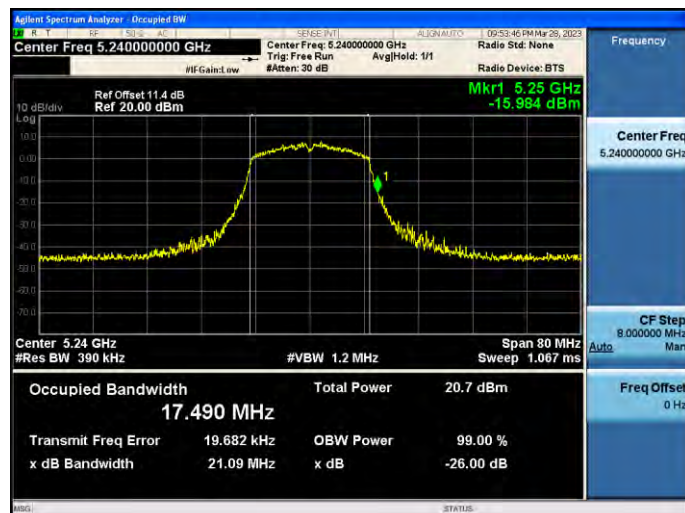
5180 MHz



5200 MHz

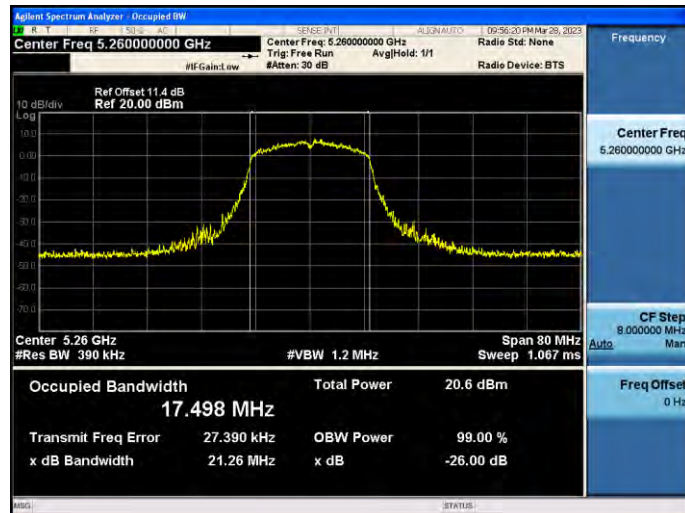


5240 MHz

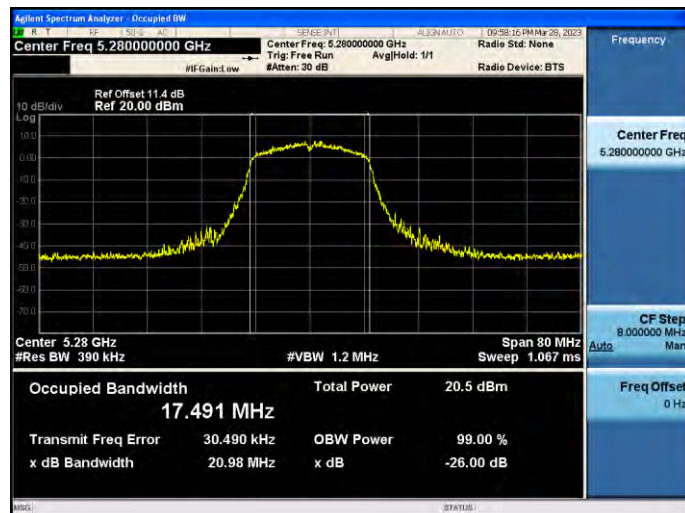


802.11n HT20_ANT-0

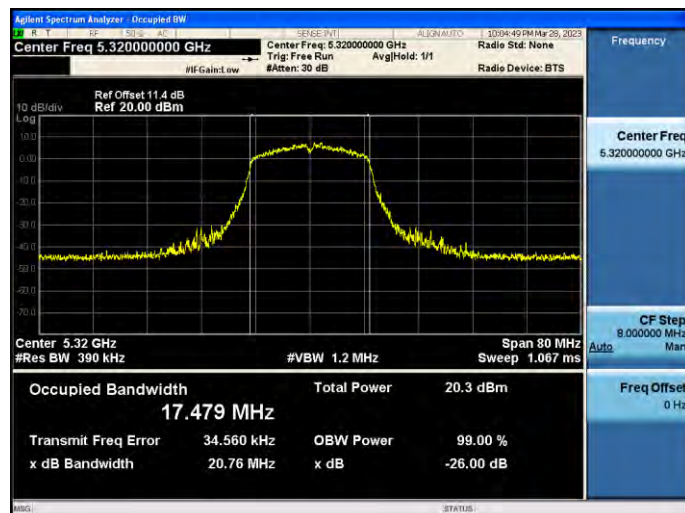
5260 MHz



5280 MHz

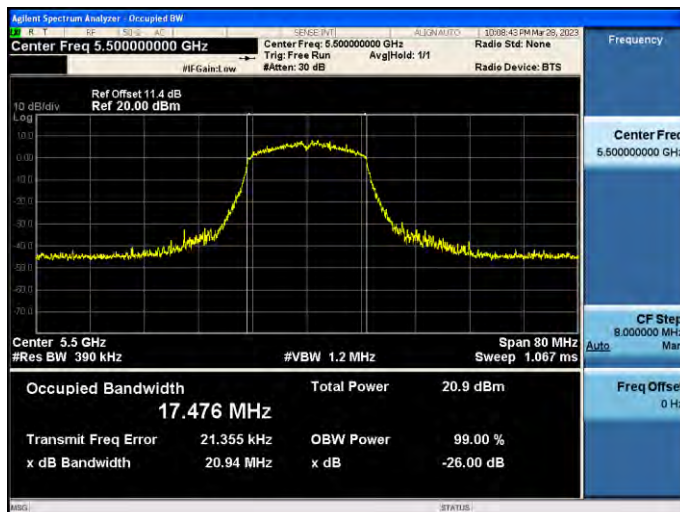


5320 MHz

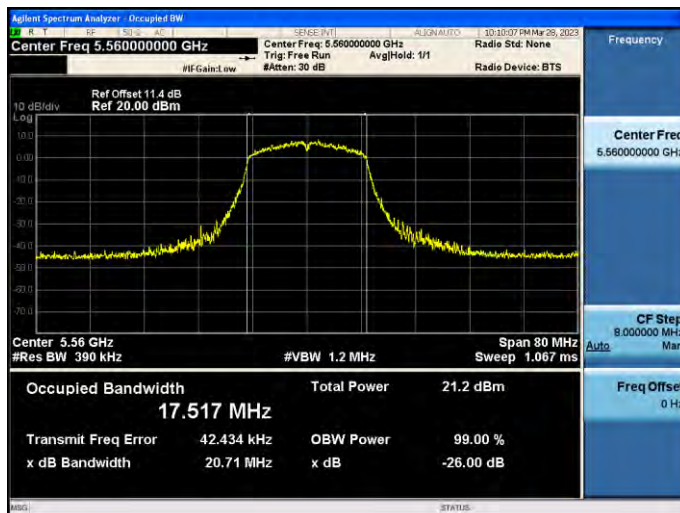


802.11n HT20_ANT-0

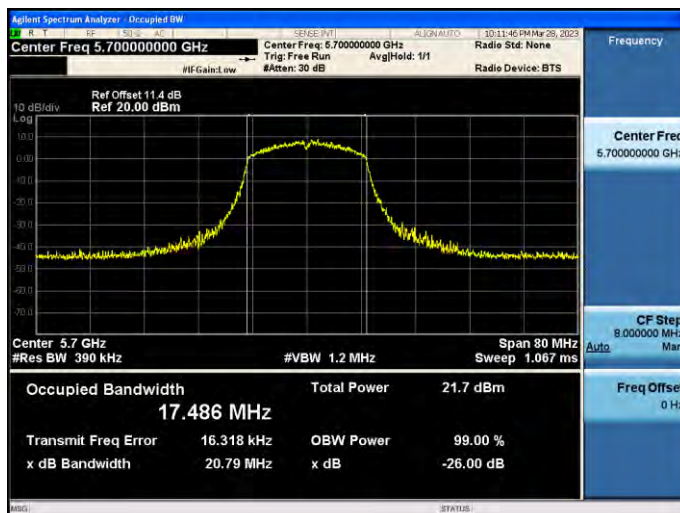
5500 MHz



5560 MHz

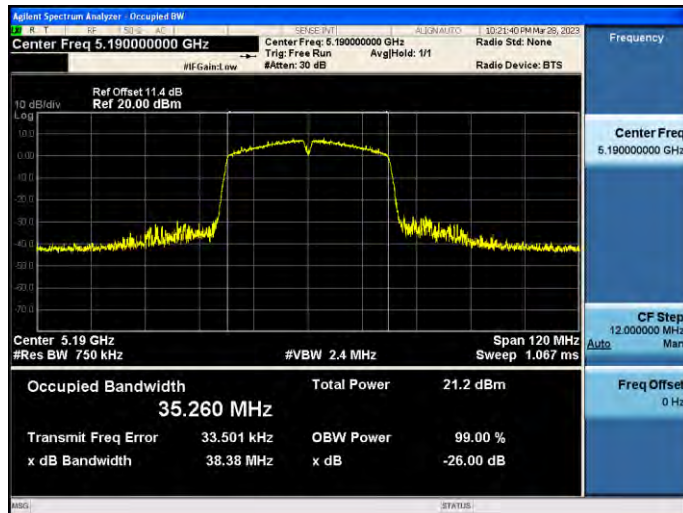


5700 MHz

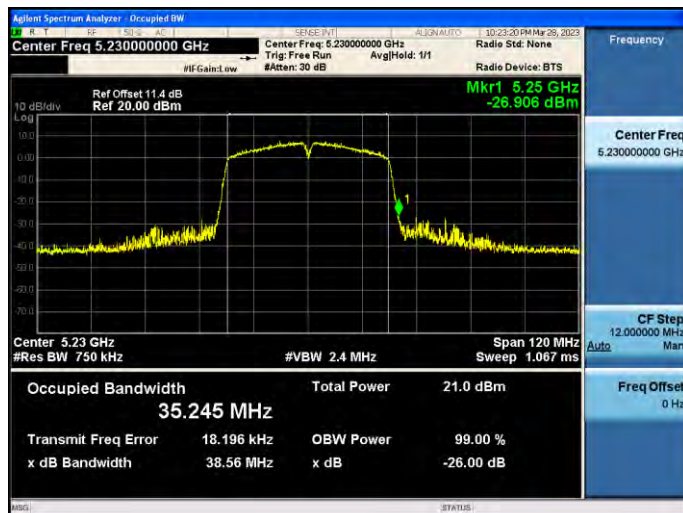


802.11n HT40_ANT-0

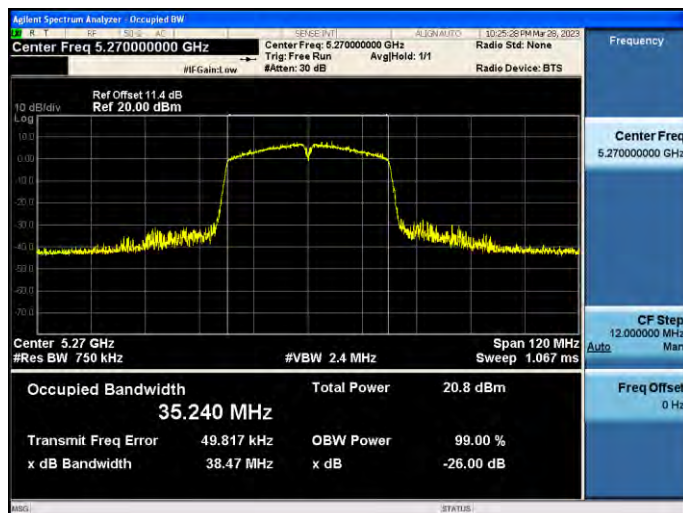
5190 MHz



5230 MHz

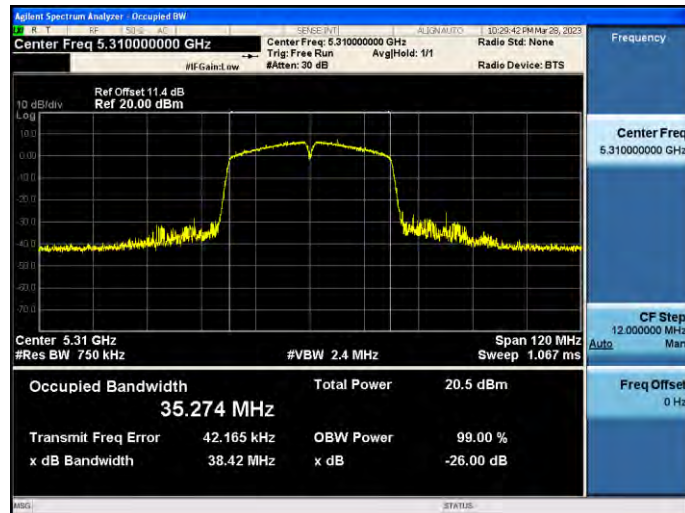


5270 MHz

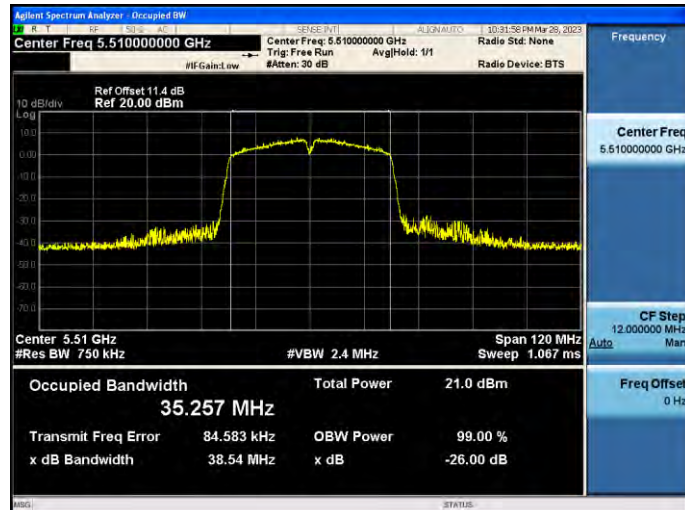


802.11n HT40_ANT-0

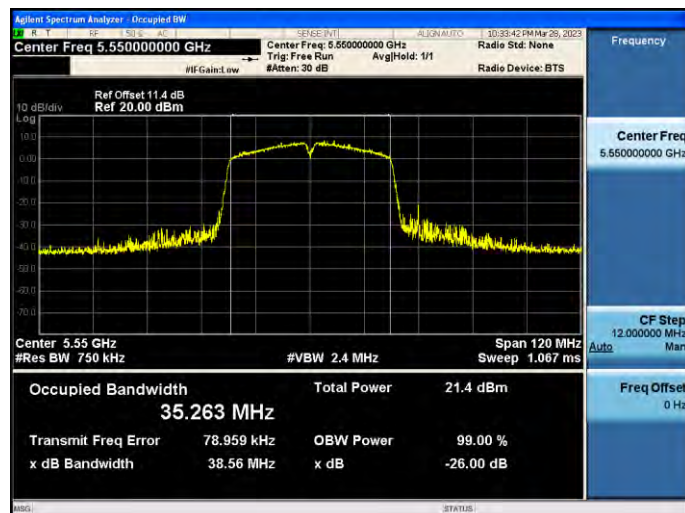
5310 MHz



5510 MHz

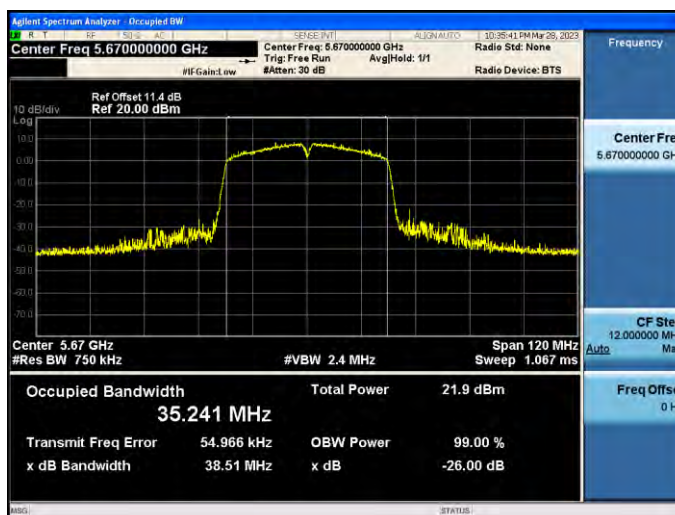


5550 MHz



802.11n HT40_ANT-0

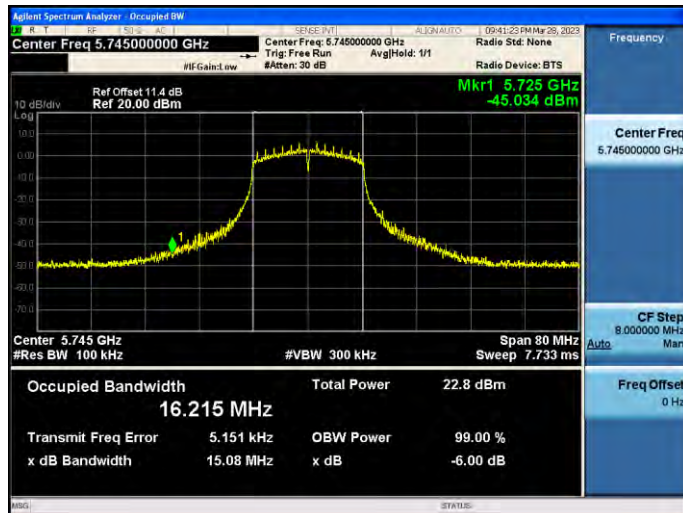
5670 MHz



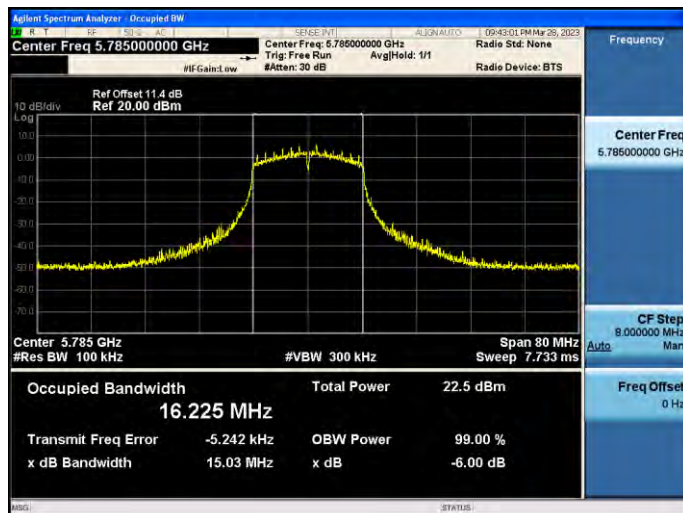
6 dB Bandwidth

802.11a

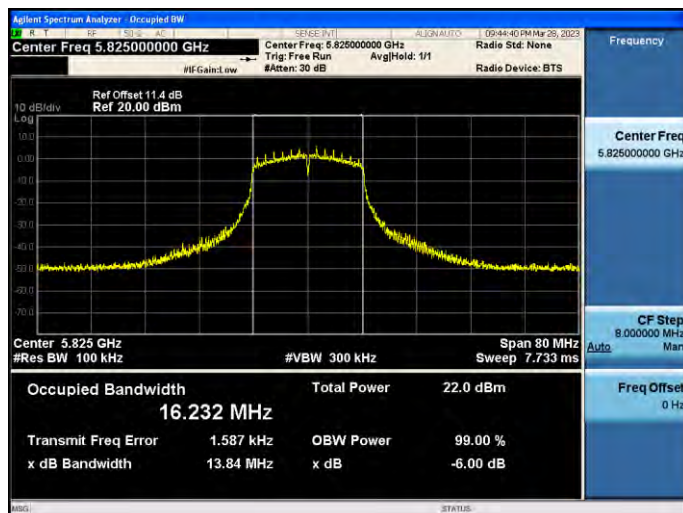
5745 MHz



5785 MHz

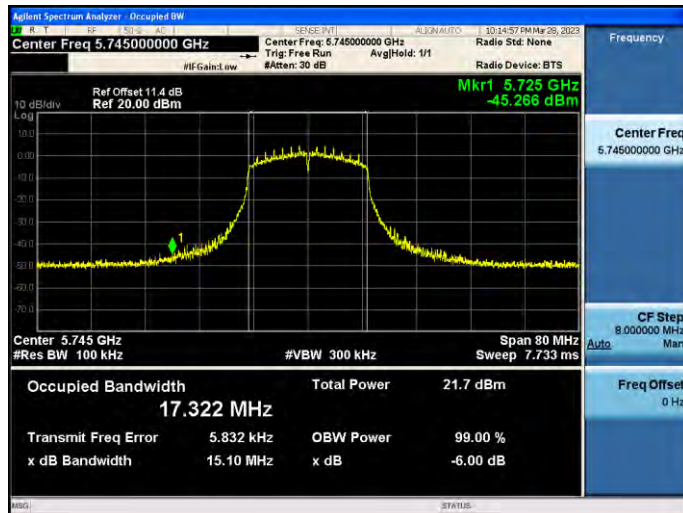


5825 MHz

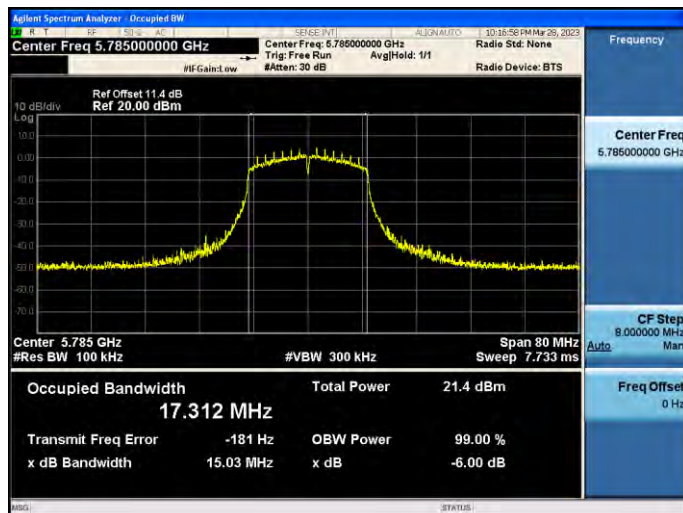


802.11n HT20_ANT-0

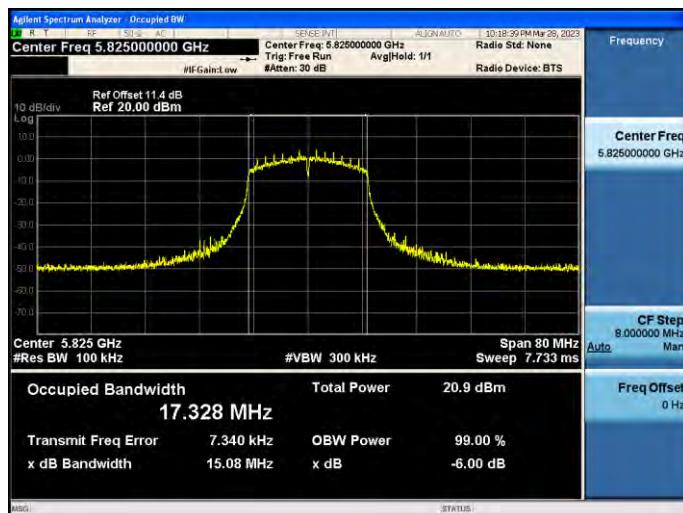
5745 MHz



5785 MHz

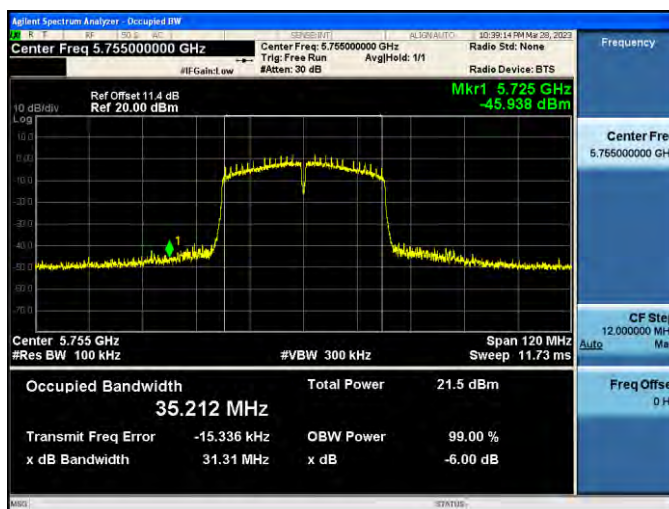


5825 MHz

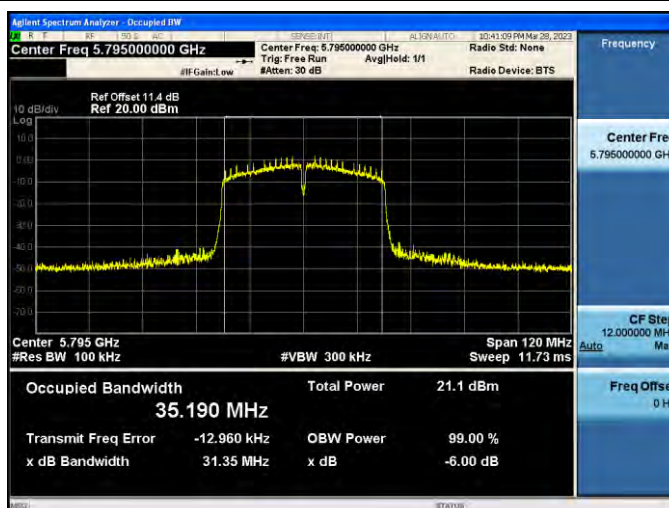


802.11n HT40_ANT-0

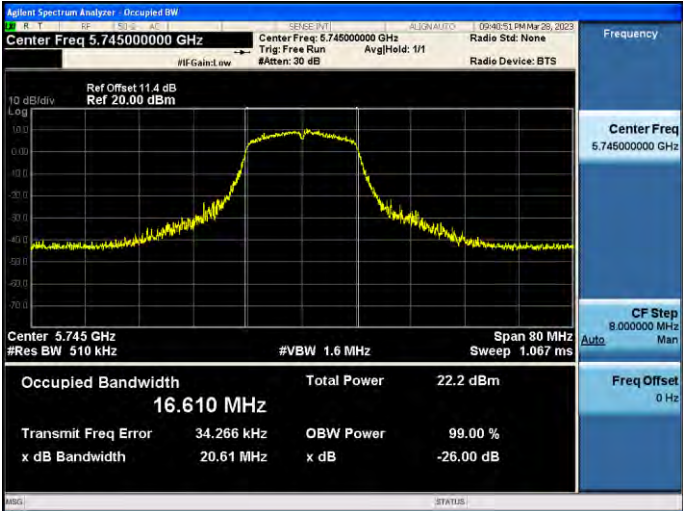
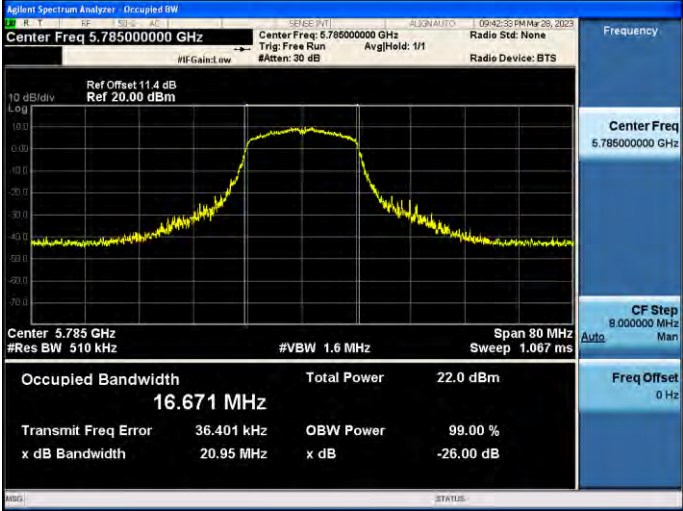
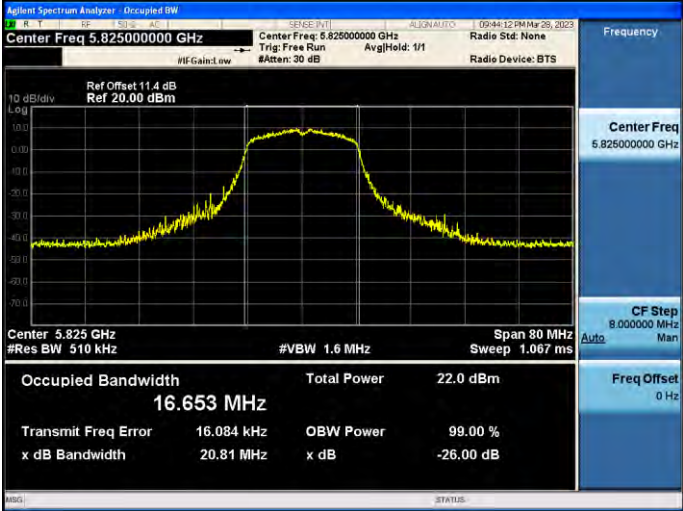
5755 MHz



5795 MHz

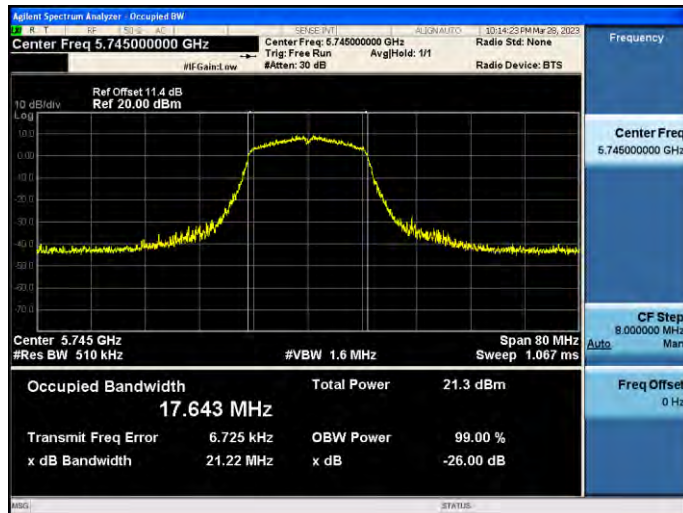


99% Occupied Bandwidth

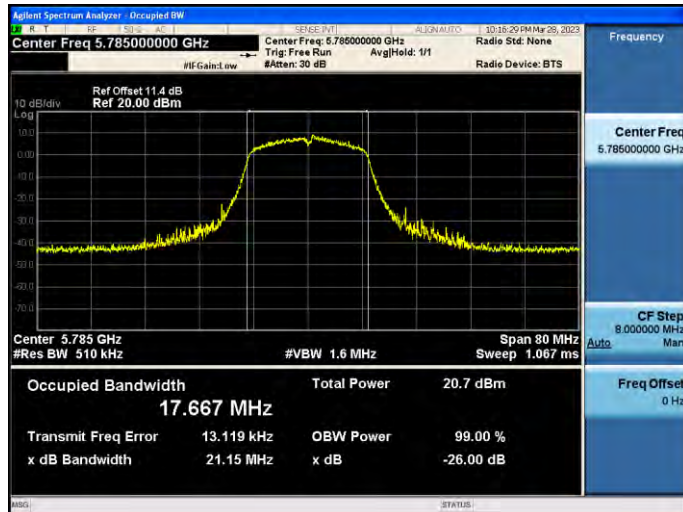
802.11a 5745 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq 5.745000000 GHz Ref Offset 11.4 dB Ref 20.00 dBm Center 5.745 GHz #Res BW 510 kHz Span 80 MHz Sweep 1.067 ms Occupied Bandwidth 16.610 MHz Total Power 22.2 dBm Transmit Freq Error 34.266 kHz OBW Power 99.00 % x dB Bandwidth 20.61 MHz x dB -26.00 dB
5785 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq 5.785000000 GHz Ref Offset 11.4 dB Ref 20.00 dBm Center 5.785 GHz #Res BW 510 kHz Span 80 MHz Sweep 1.067 ms Occupied Bandwidth 16.671 MHz Total Power 22.0 dBm Transmit Freq Error 36.401 kHz OBW Power 99.00 % x dB Bandwidth 20.95 MHz x dB -26.00 dB
5825 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq 5.825000000 GHz Ref Offset 11.4 dB Ref 20.00 dBm Center 5.825 GHz #Res BW 510 kHz Span 80 MHz Sweep 1.067 ms Occupied Bandwidth 16.653 MHz Total Power 22.0 dBm Transmit Freq Error 16.084 kHz OBW Power 99.00 % x dB Bandwidth 20.81 MHz x dB -26.00 dB

802.11n HT20_ANT-0

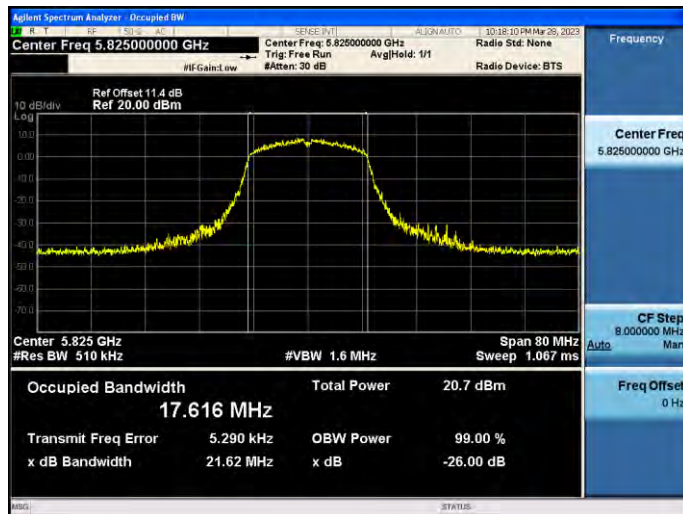
5745 MHz



5785 MHz

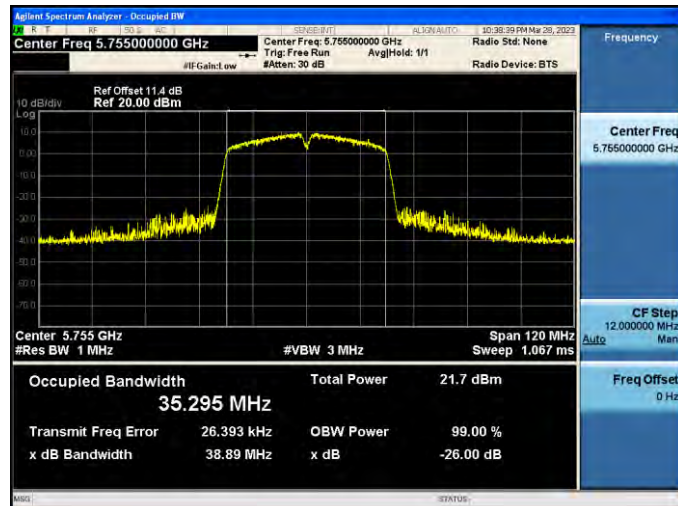


5825 MHz



802.11n HT40_ANT-0

5755 MHz



5795 MHz

