

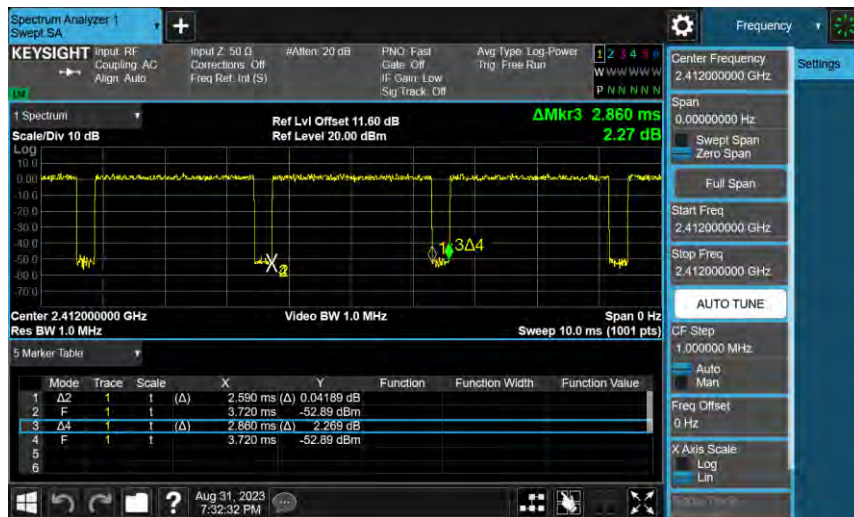
Appendix B Test Plots

Duty cycle



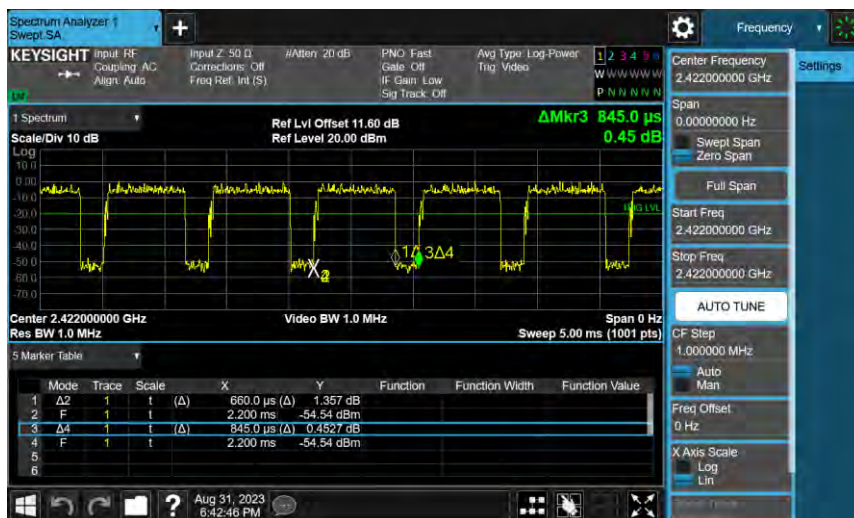
802.11n HT20

On+off time



802.11n HT40

On+off time



Out of Band Conducted Spurious Emission

802.11b_ANT-1

2412 MHz

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input RF: Coupling AC, Align Auto; Input Z: 50 Ω , Corrections Off, Freq Ref: Int (S); #Atten: 20 dB; PNO: Fast, Gate Off, IF Gain Low, Sig Track Off; Avg Type: Log-Power, Trig: Free Run; 1 2 3 4 5 6; WWW.WWW.W; P N N N N N

1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 11.60 dB
Ref Level 20.00 dBm
Mkr2 24.702 2 GHz
-39.69 dBm
Start 30 MHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 25.00 GHz
Sweep ~2.39 s (40001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	24.702 2 GHz	4.248 dBm		
2	N	1	f	24.702 2 GHz	-39.69 dBm		
3							
4							
5							
6							

Aug 31, 2023 6:17:29 PM

2437 MHz

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input RF: Coupling AC, Align Auto; Input Z: 50 Ω , Corrections Off, Freq Ref: Int (S); #Atten: 20 dB; PNO: Fast, Gate Off, IF Gain Low, Sig Track Off; Avg Type: Log-Power, Trig: Free Run; 1 2 3 4 5 6; WWW.WWW.W; P N N N N N

1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 11.60 dB
Ref Level 20.00 dBm
Mkr2 24.740 9 GHz
-39.57 dBm
Start 30 MHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 25.00 GHz
Sweep ~2.39 s (40001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	24.740 9 GHz	2.667 dBm		
2	N	1	f	24.740 9 GHz	-39.57 dBm		
3							
4							
5							
6							

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2462 MHz

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input RF: Coupling AC, Align Auto; Input Z: 50 Ω , Corrections Off, Freq Ref: Int (S); #Atten: 20 dB; PNO: Fast, Gate Off, IF Gain Low, Sig Track Off; Avg Type: Log-Power, Trig: Free Run; 1 2 3 4 5 6; WWW.WWW.W; P N N N N N

1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 11.60 dB
Ref Level 20.00 dBm
Mkr2 24.749 1 GHz
-39.21 dBm
Start 30 MHz
#Res BW 100 kHz
#Video BW 300 kHz
Stop 25.00 GHz
Sweep ~2.39 s (40001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	24.749 1 GHz	5.017 dBm		
2	N	1	f	24.749 1 GHz	-39.21 dBm		
3							
4							
5							
6							

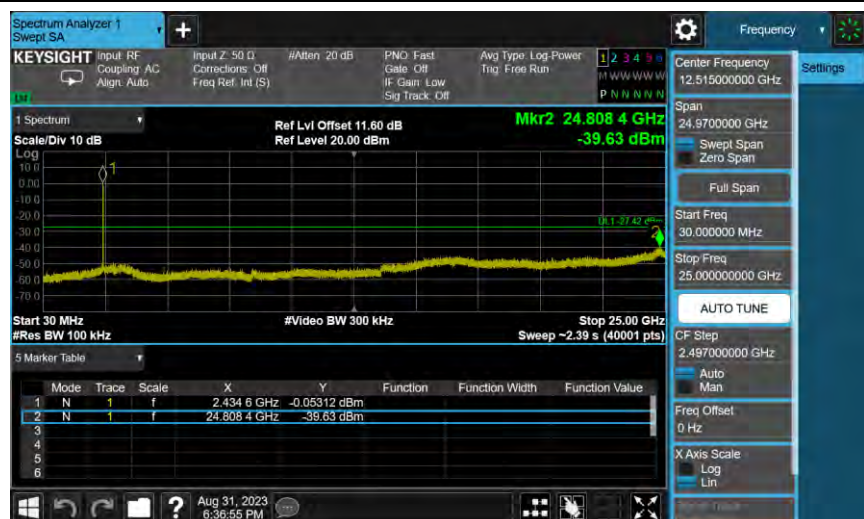
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802.11g_ANT-1

2412 MHz



2437 MHz



2462 MHz



802.11n HT20_ANT-0

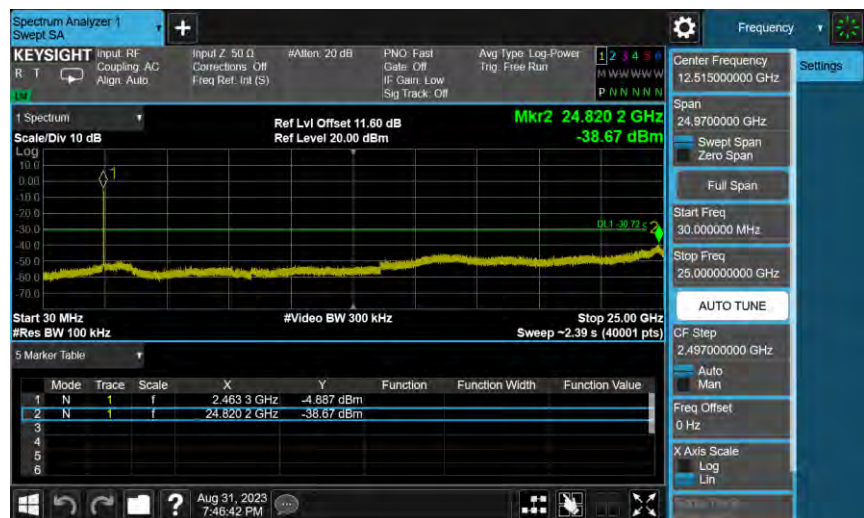
2412 MHz



2437 MHz



2462 MHz

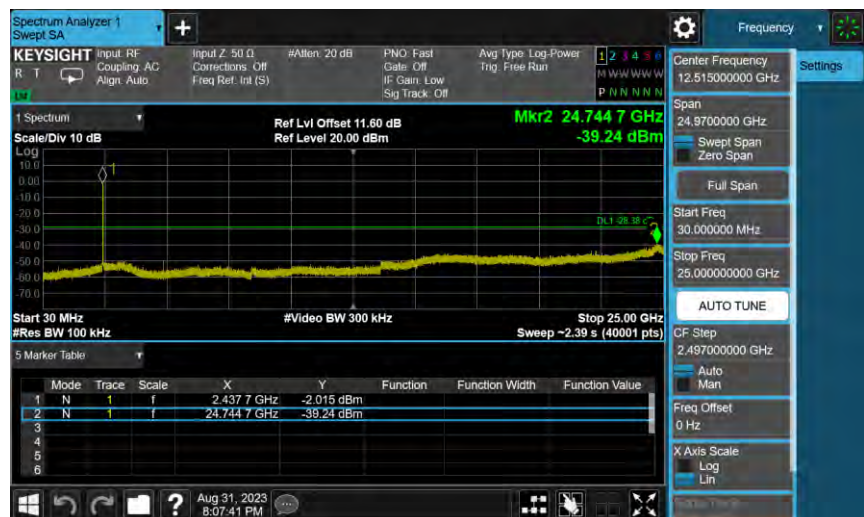


802.11n HT20_ANT-1

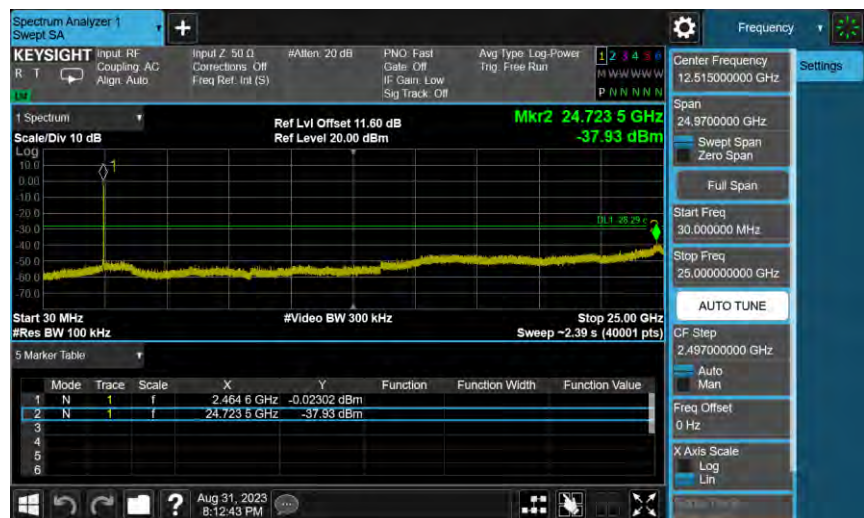
2412 MHz



2437 MHz



2462 MHz



802.11n HT40_ANT-1

2422 MHz



2437 MHz

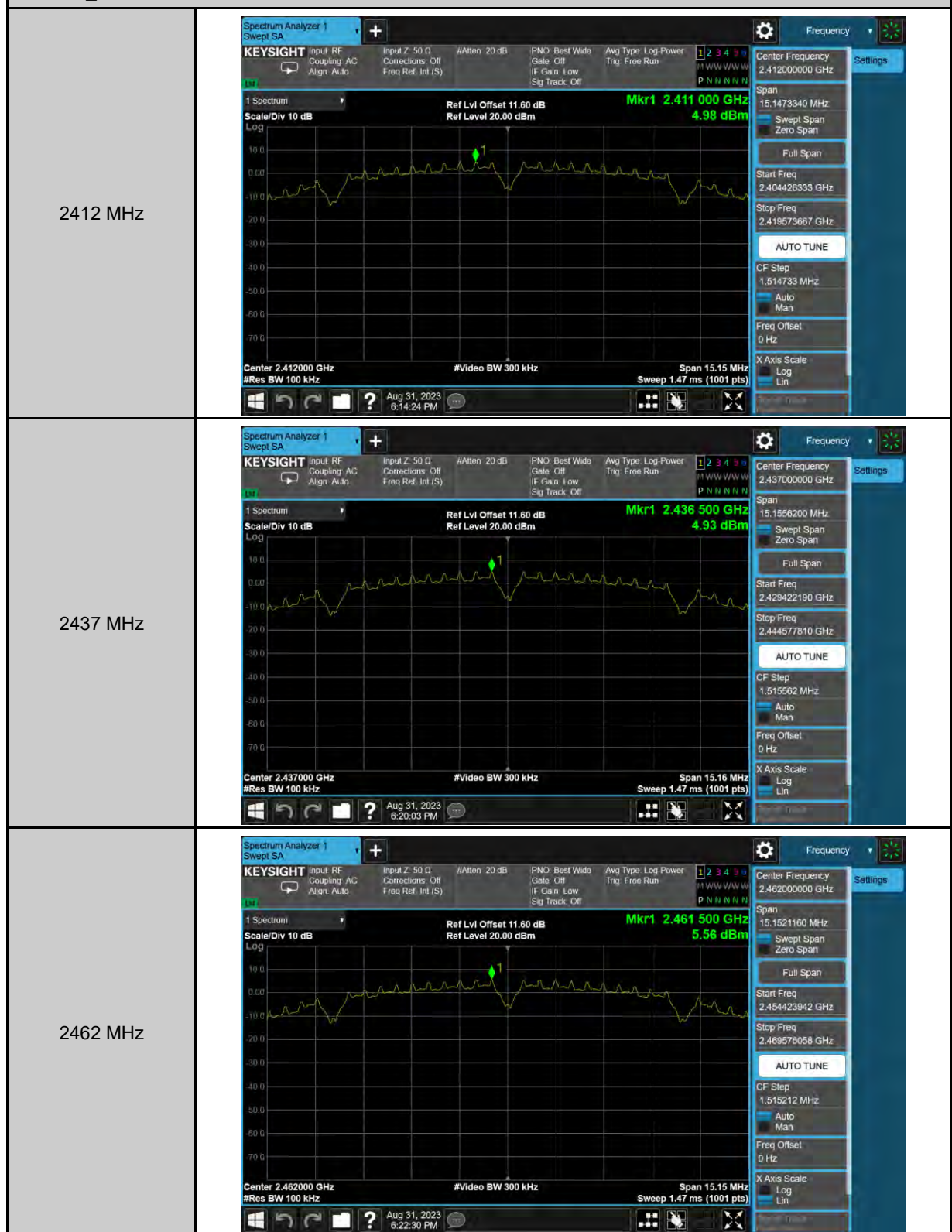


2452 MHz



Reference level

802.11b_ANT-1





802.11n HT20_ANT-0

2412 MHz

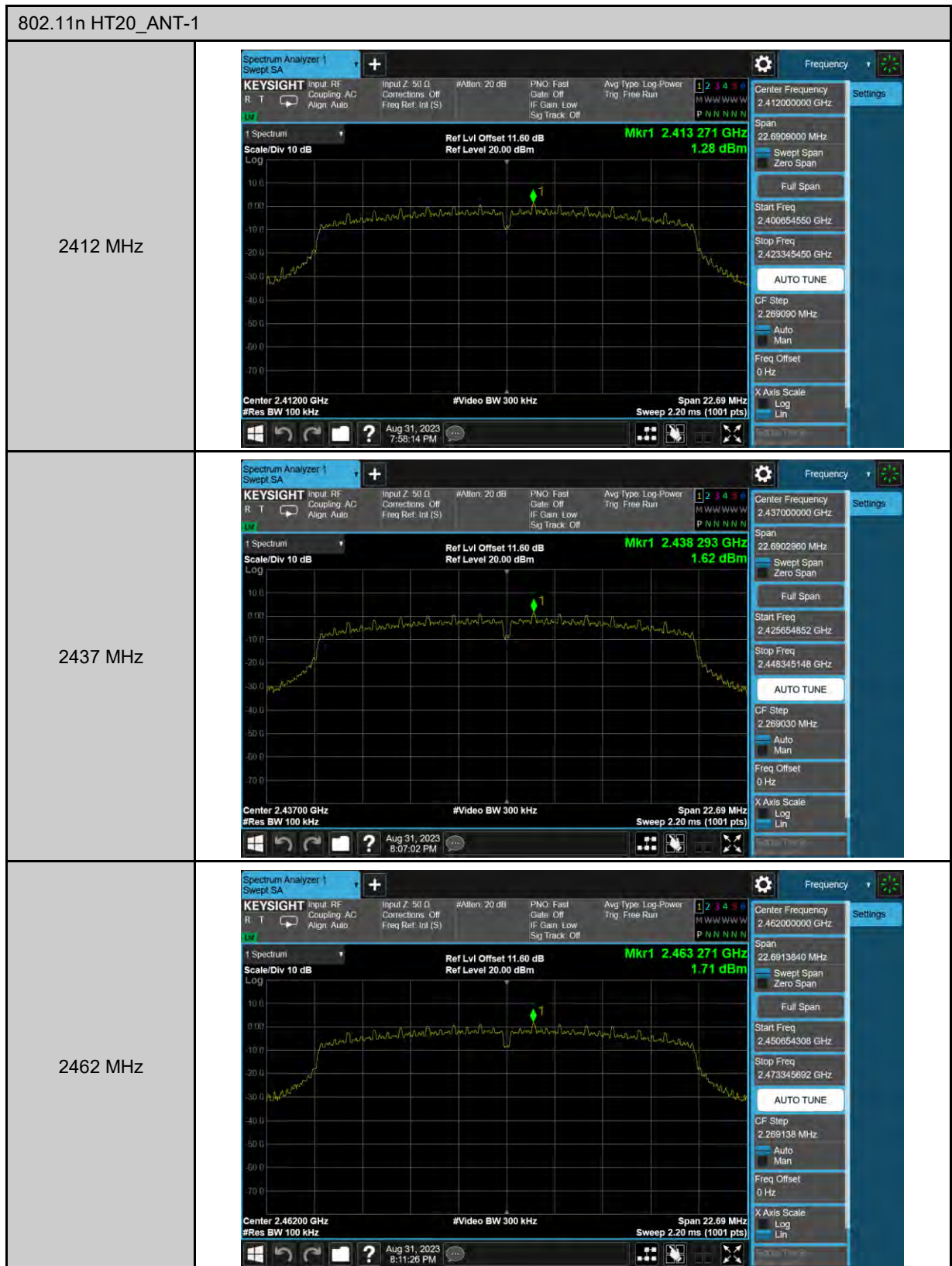


2437 MHz



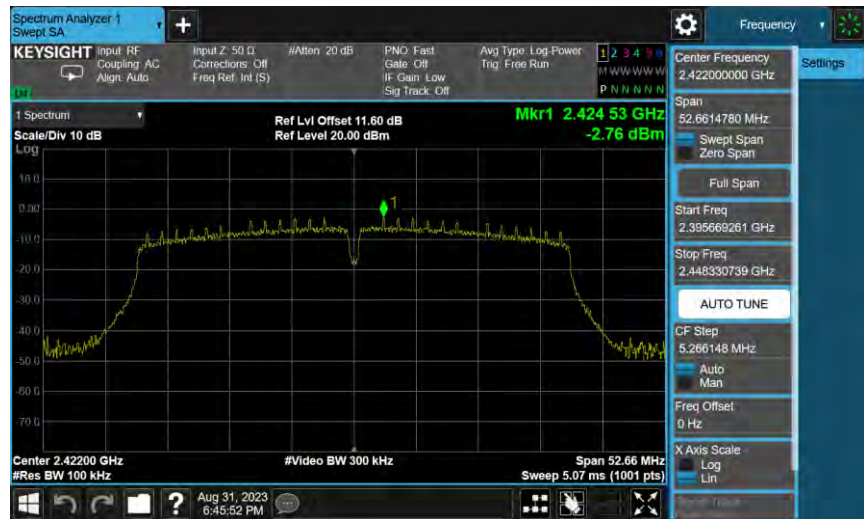
2462 MHz



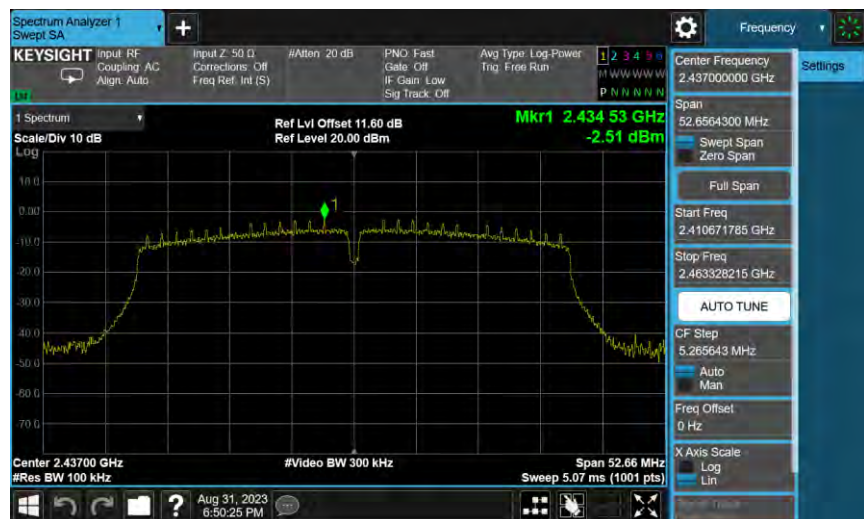


802.11n HT40_ANT-1

2422 MHz



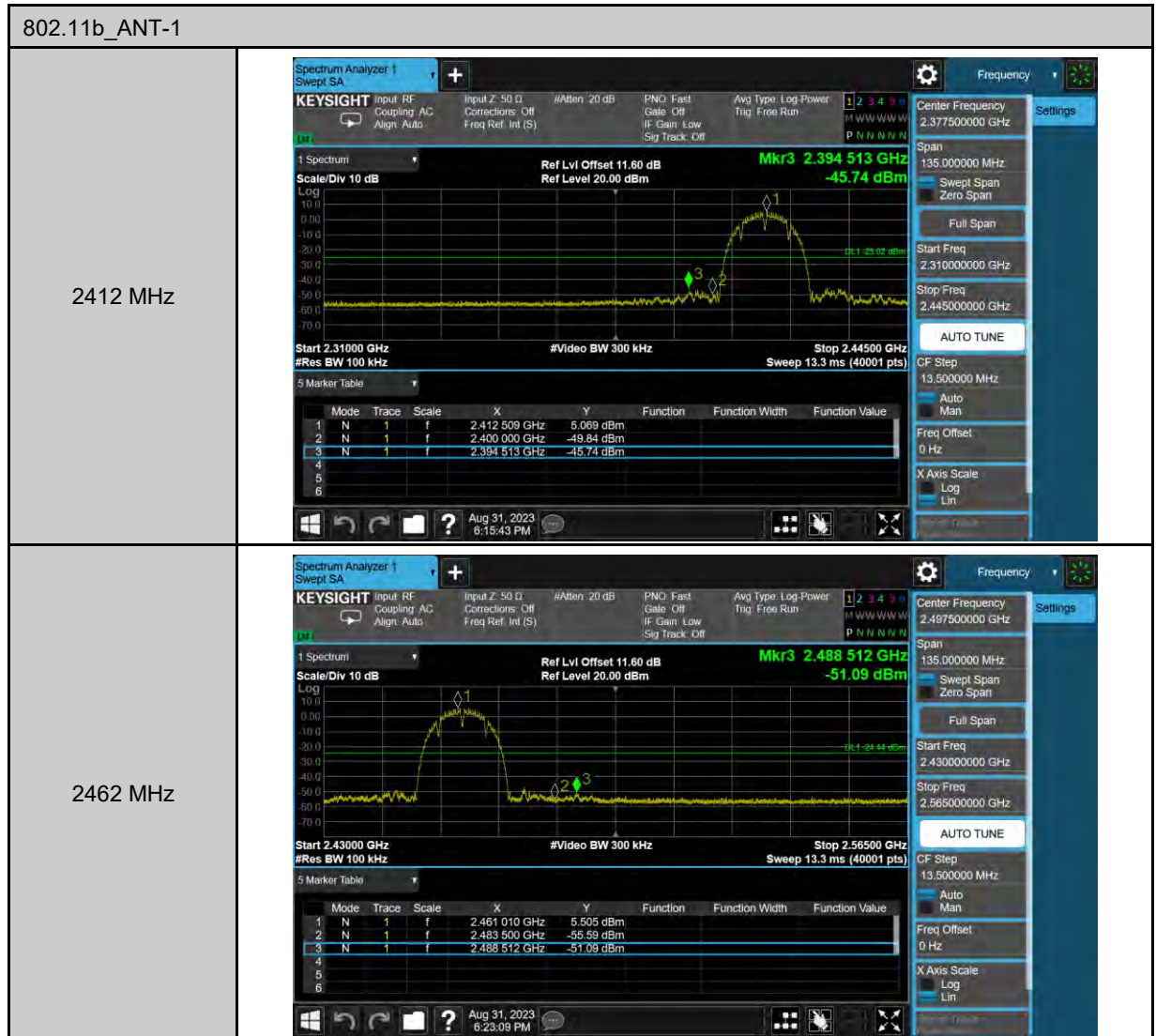
2437 MHz



2452 MHz

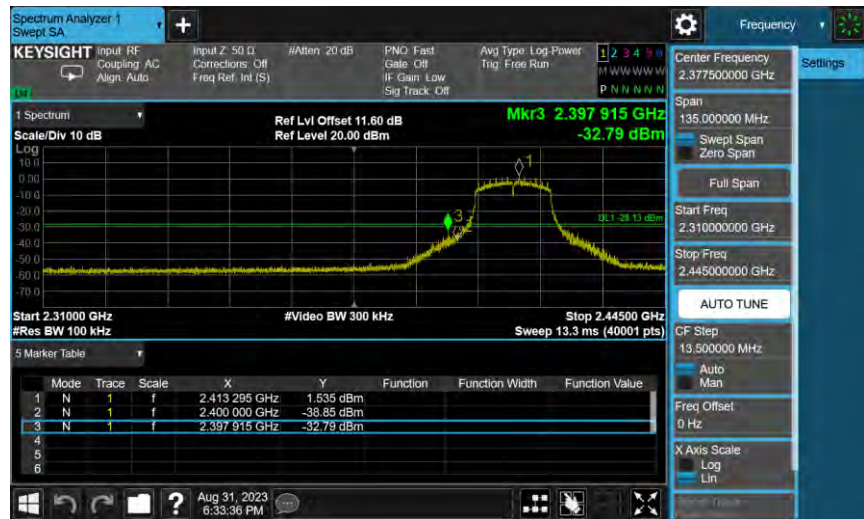


Conducted Band Edge



802.11g_ANT-1

2412 MHz

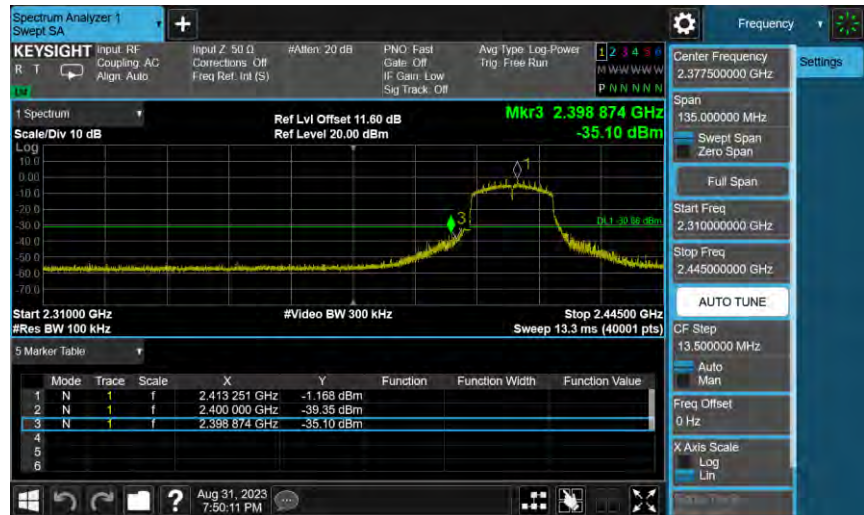


2462 MHz

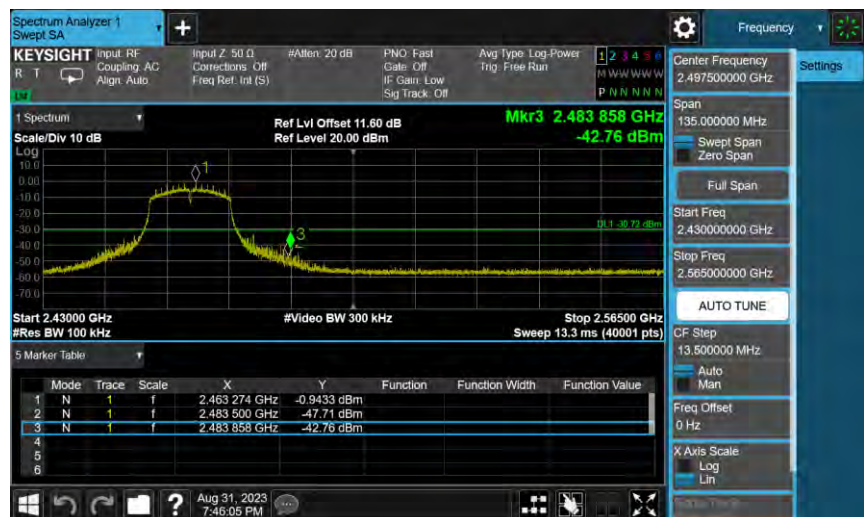


802.11n HT20_ANT-0

2412 MHz

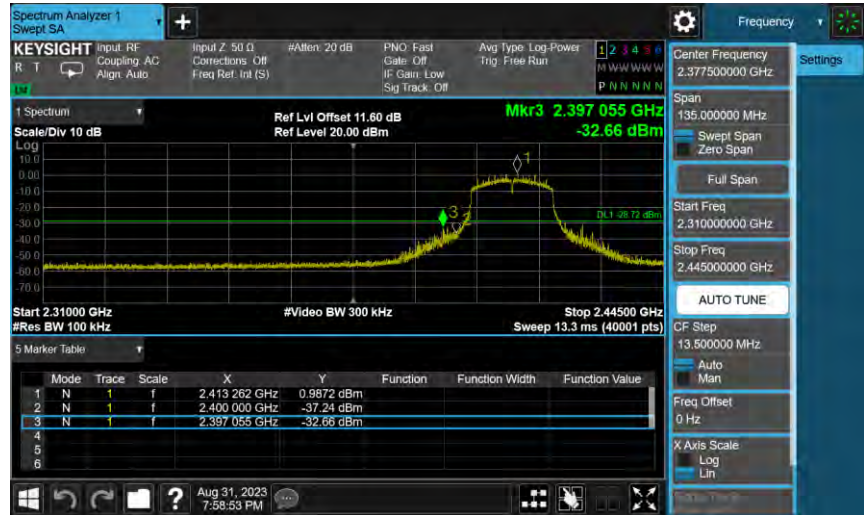


2462 MHz



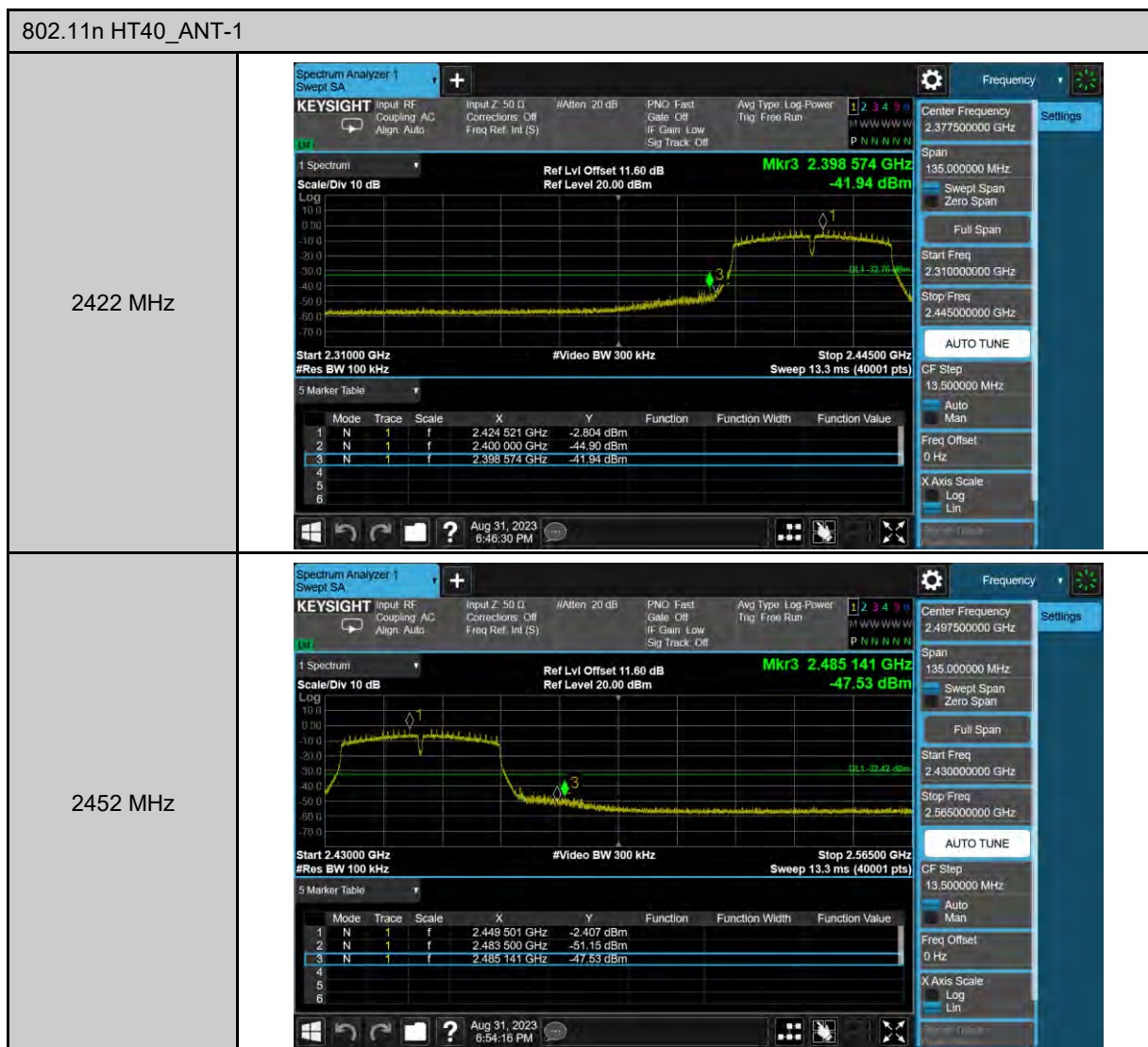
802.11n HT20_ANT-1

2412 MHz



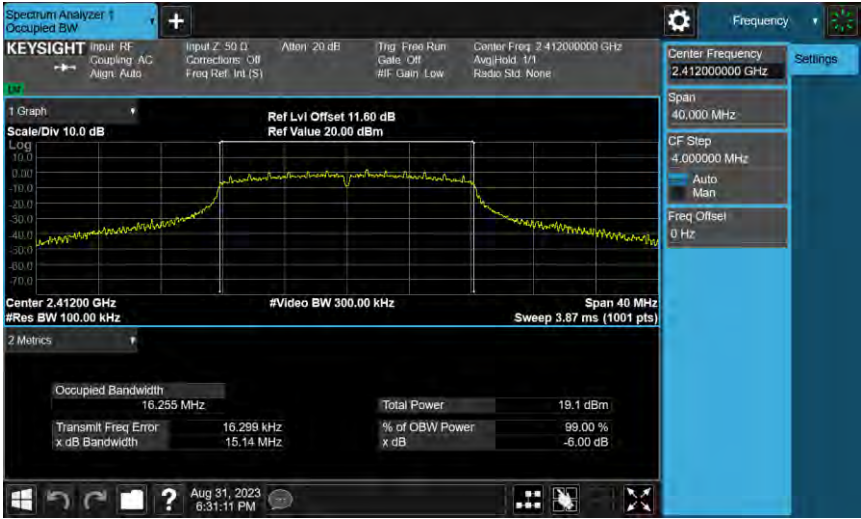
2462 MHz

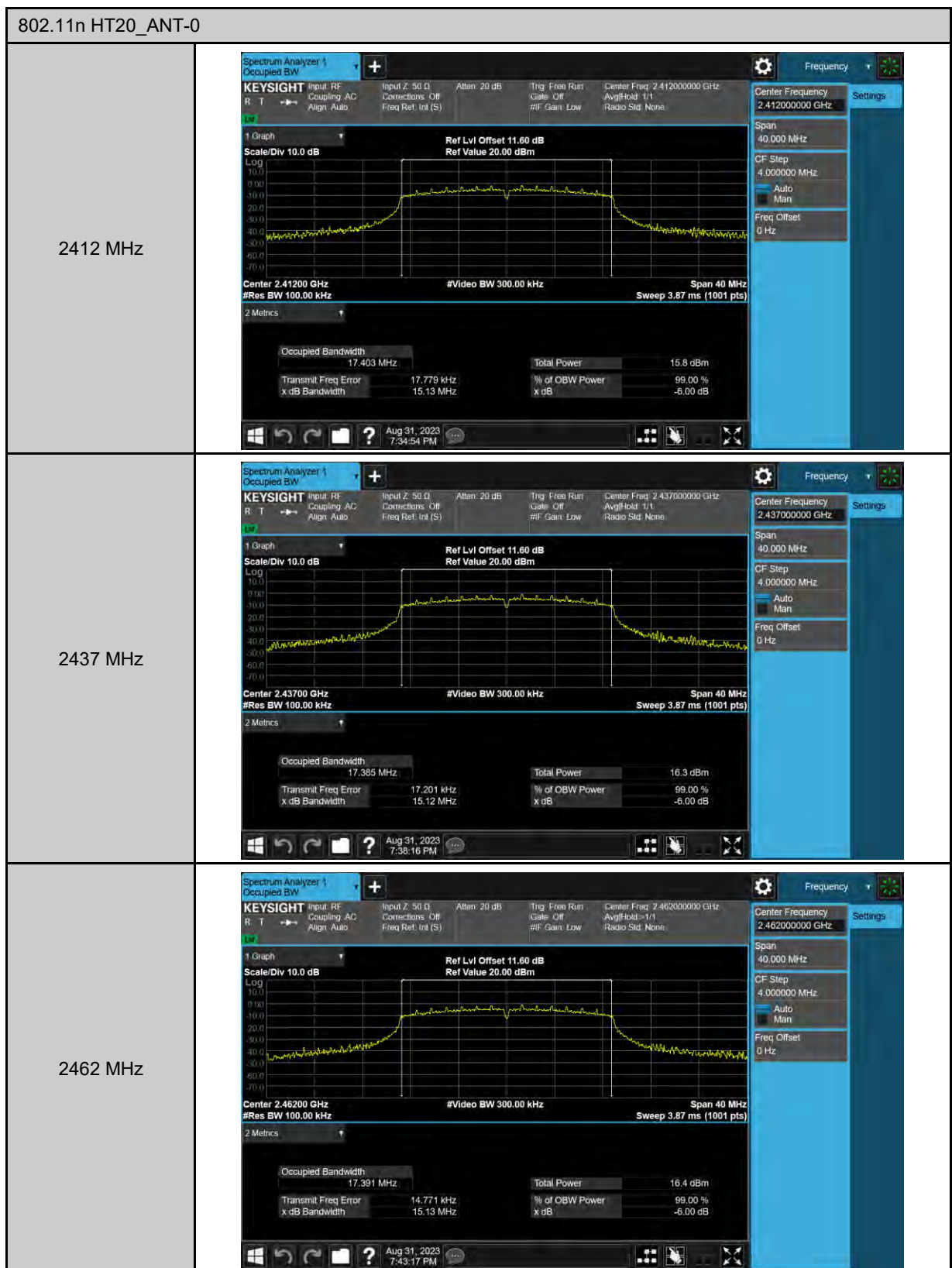




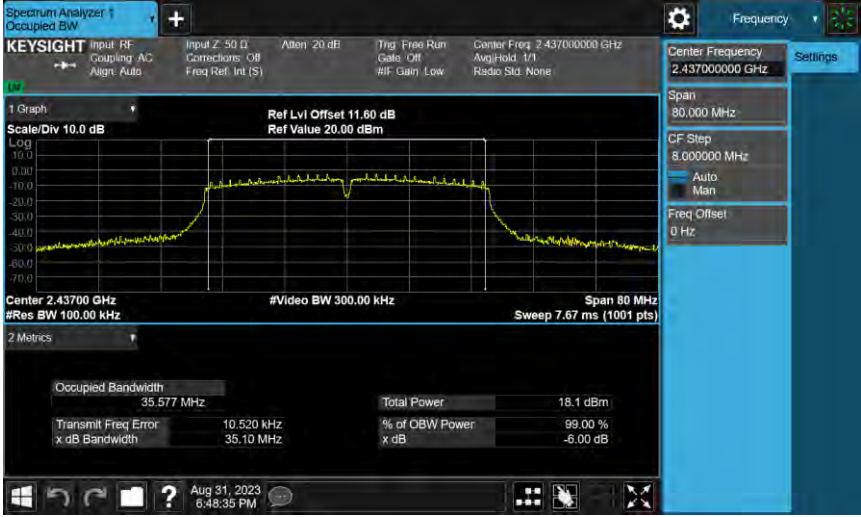
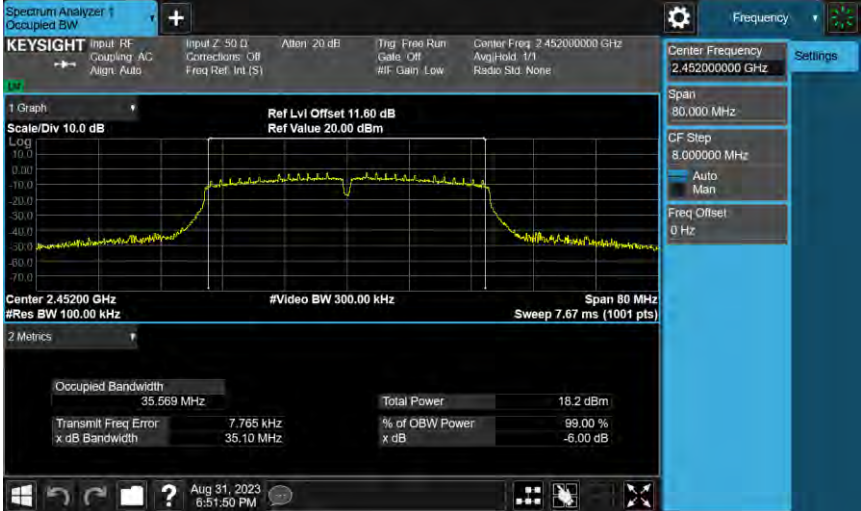
6 dB Bandwidth

802.11b_ANT-1	
2437 MHz	
2462 MHz	

802.11g_ANT-1 2412 MHz	
2437 MHz	
2462 MHz	

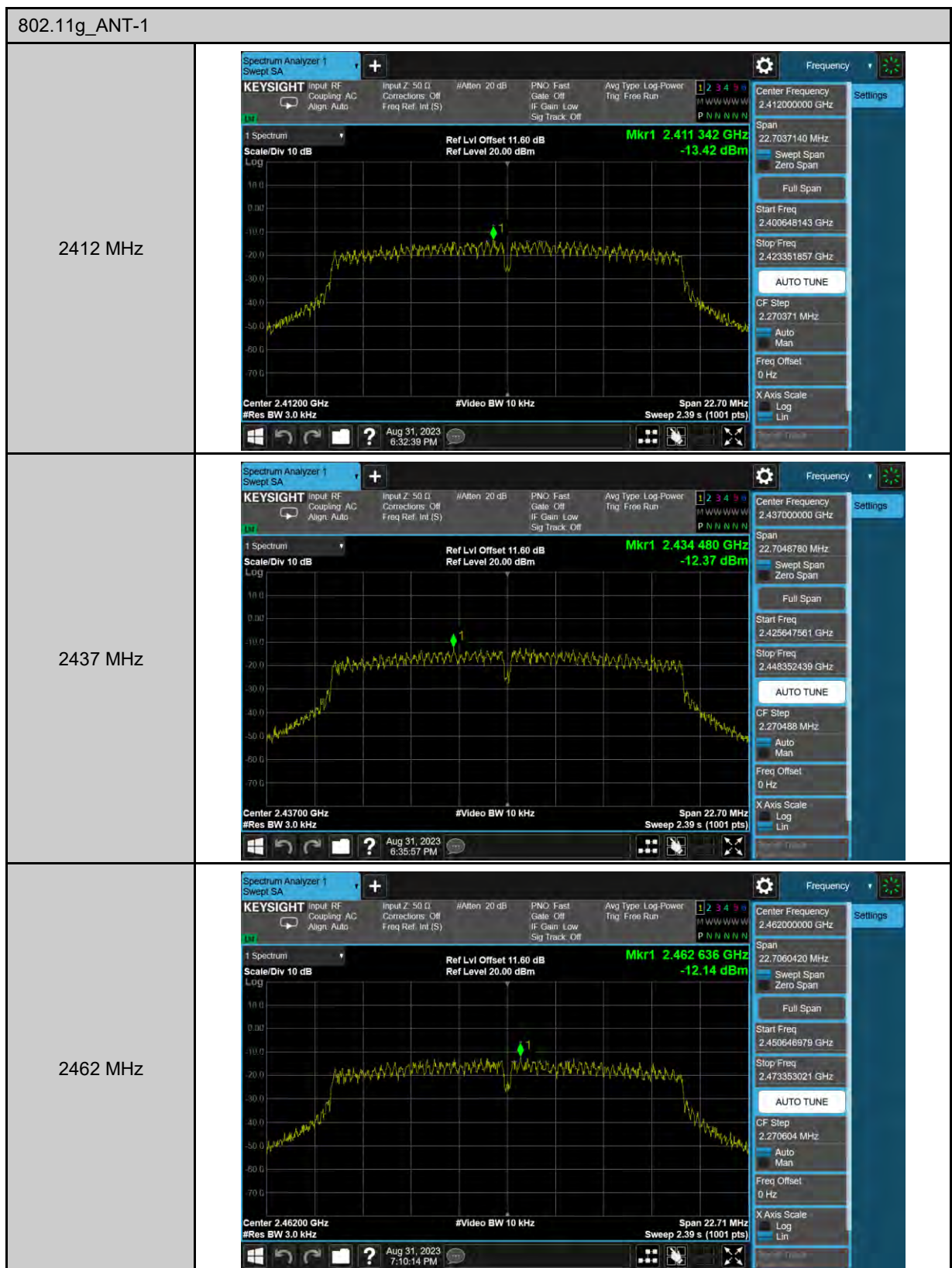


802.11n HT20_ANT-1 2412 MHz	
2437 MHz	
2462 MHz	

802.11n HT40_ANT-1	 2422 MHz
2437 MHz	 2437 MHz
2452 MHz	 2452 MHz

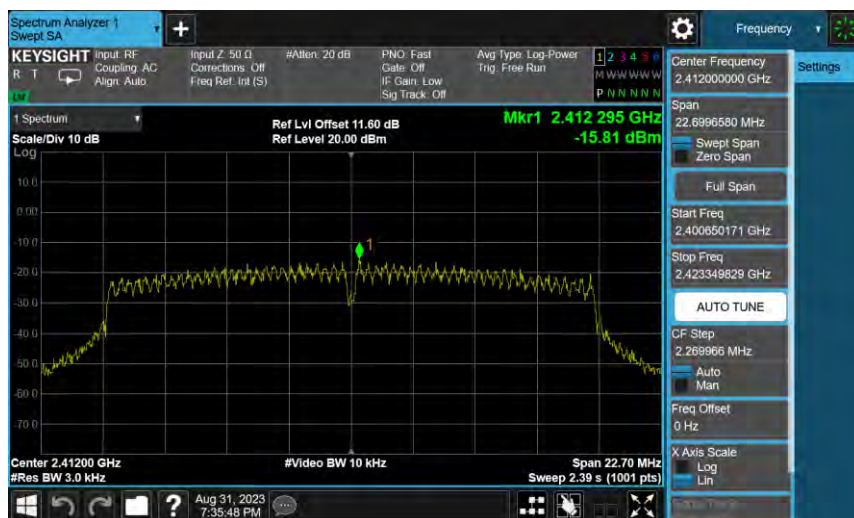
Maximum Power Spectral Density



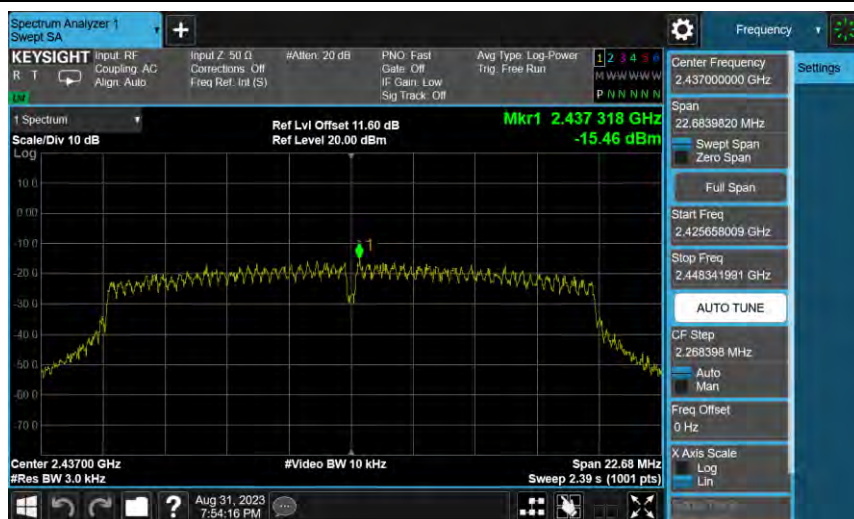


802.11n HT20_ANT-0

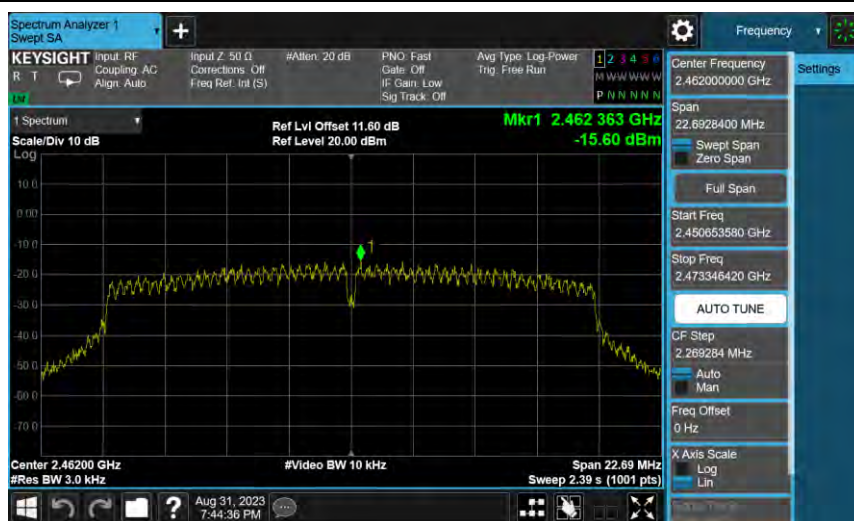
2412 MHz



2437 MHz

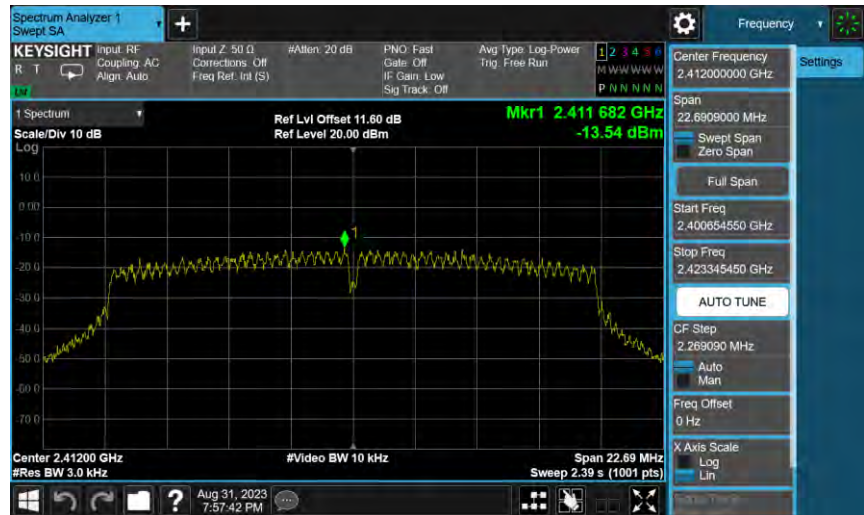


2462 MHz

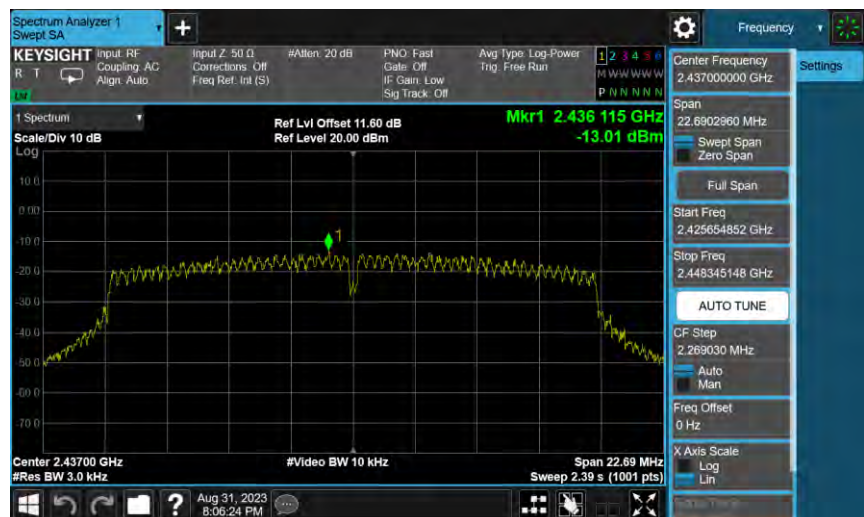


802.11n HT20_ANT-1

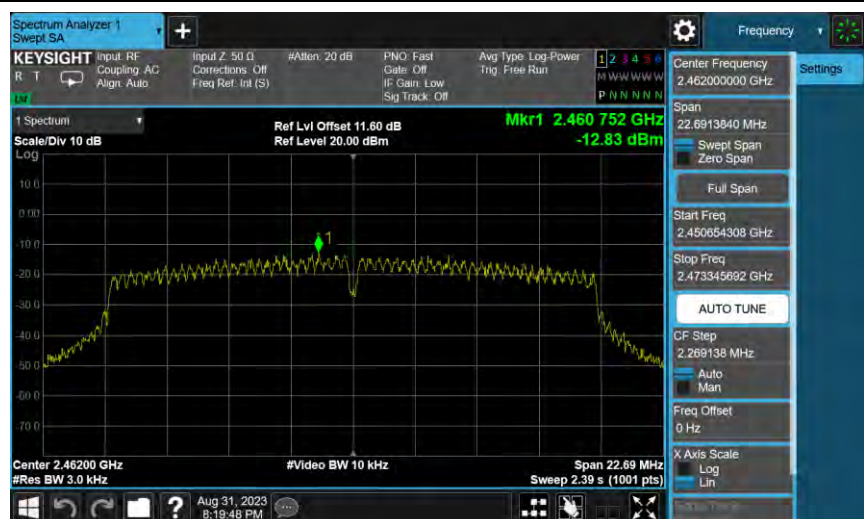
2412 MHz



2437 MHz

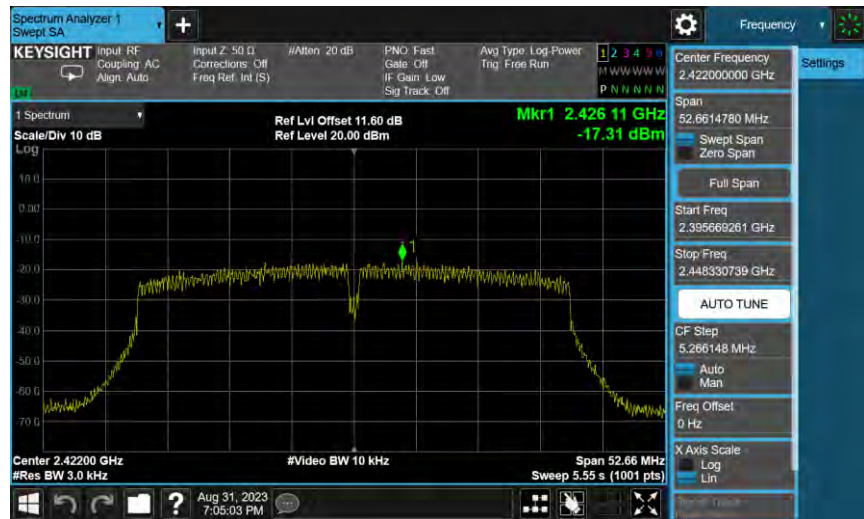


2462 MHz

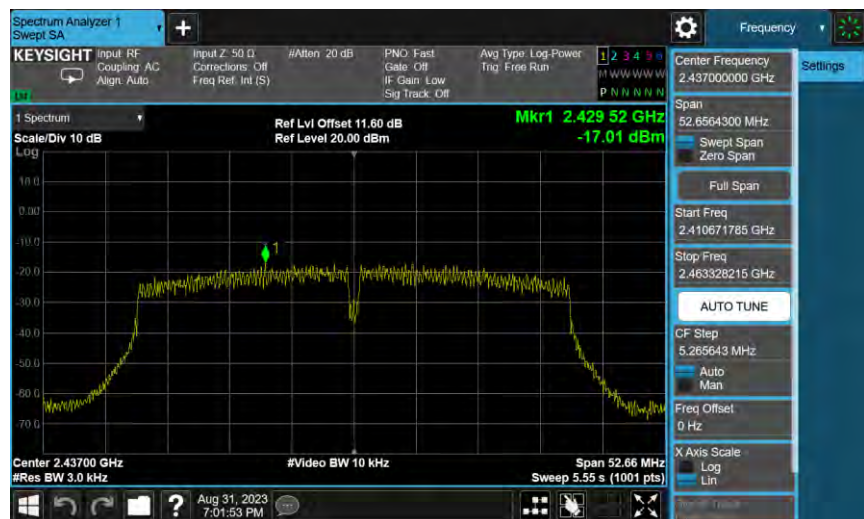


802.11n HT40_ANT-1

2422 MHz



2437 MHz



2452 MHz

