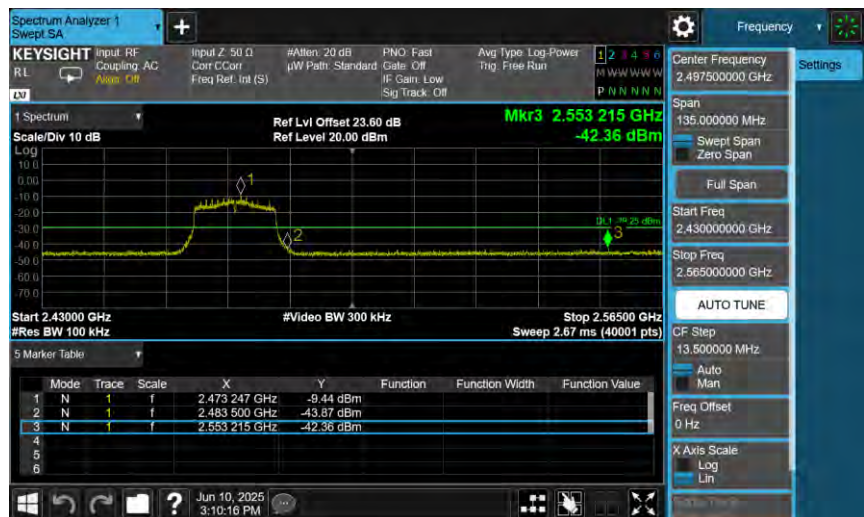


802.11n HT20_ANT-1

2467 MHz



2472 MHz



802.11n HT40_ANT-1

2422 MHz



2452 MHz

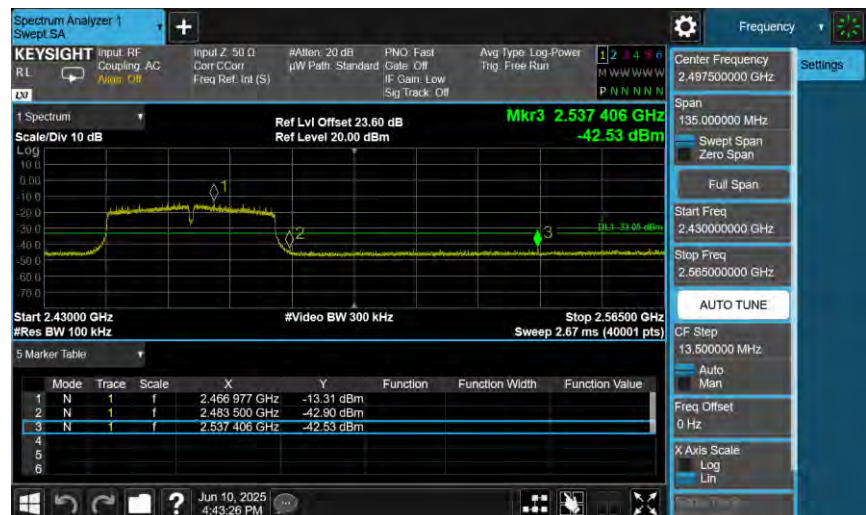


802.11n HT40_ANT-1

2457 MHz



2462 MHz

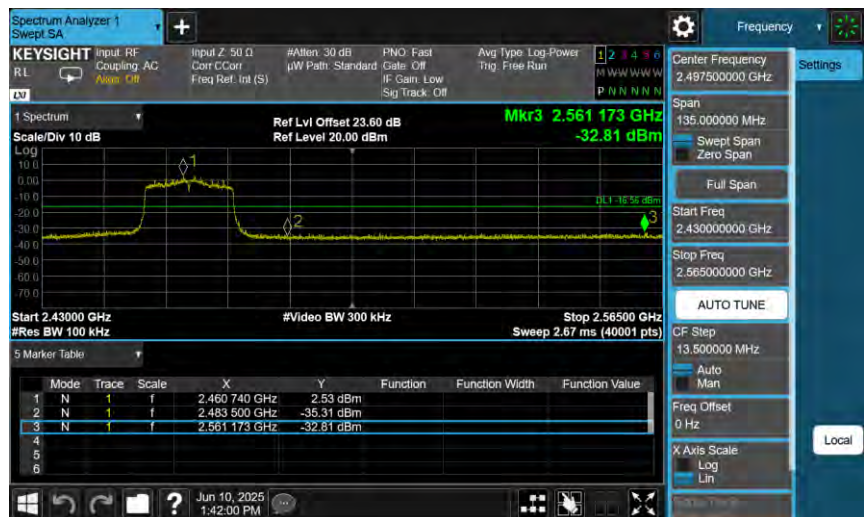


802.11ax HE20_ANT-1

2412 MHz

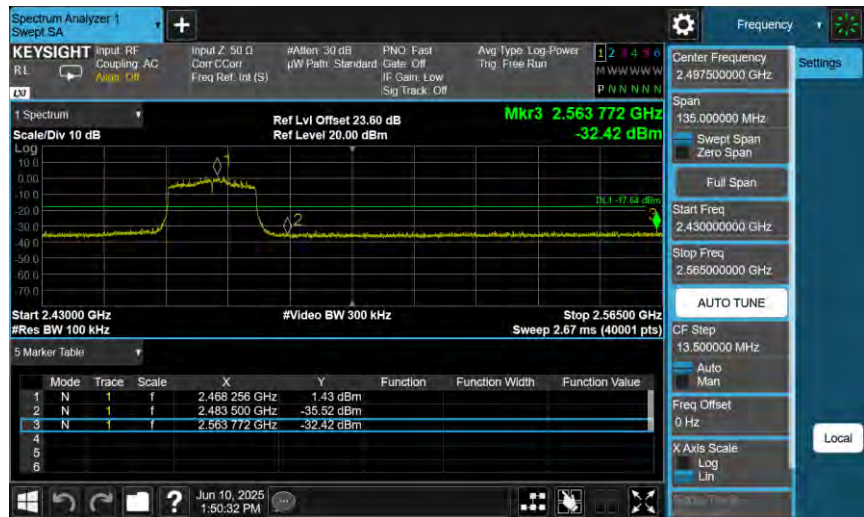


2462 MHz

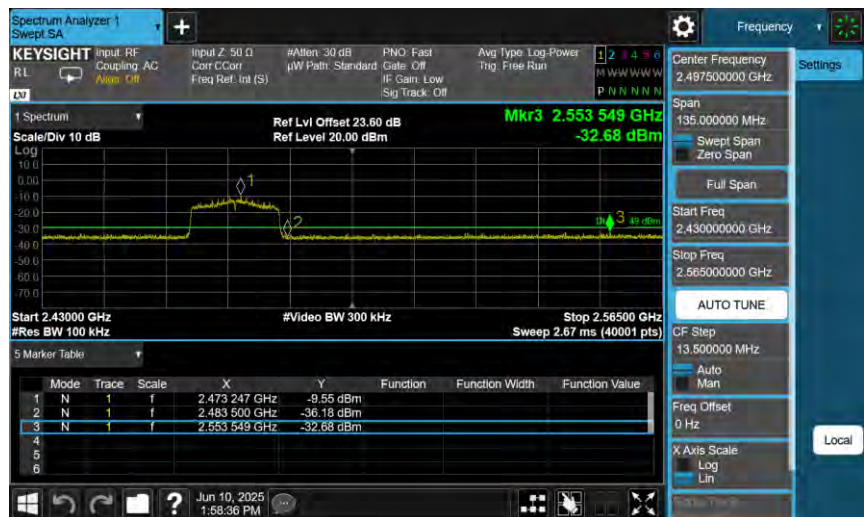


802.11ax HE20_ANT-1

2467 MHz



2472 MHz



802.11ax HE40_ANT-1

2422 MHz



2452 MHz

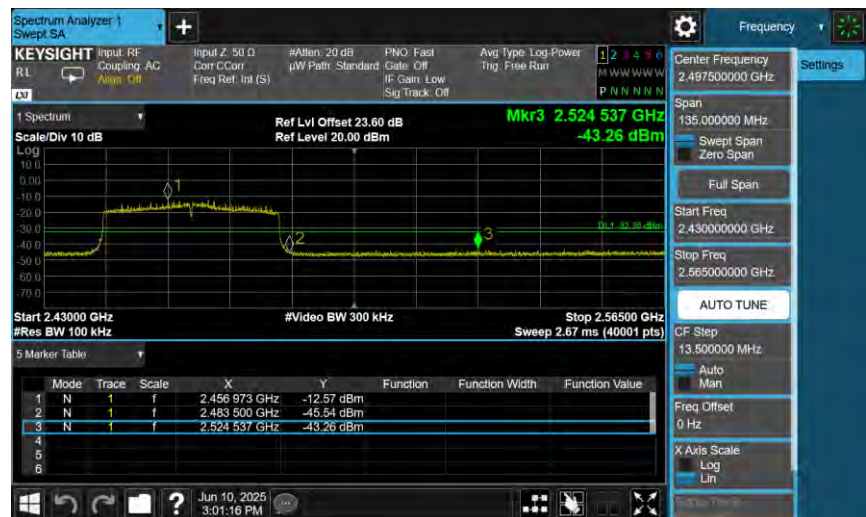


802.11ax HE40_ANT-1

2457 MHz



2462 MHz



6 dB Bandwidth

802.11b_ANT-0

2412 MHz



2437 MHz



2462 MHz



802.11b_ANT-0

2467 MHz

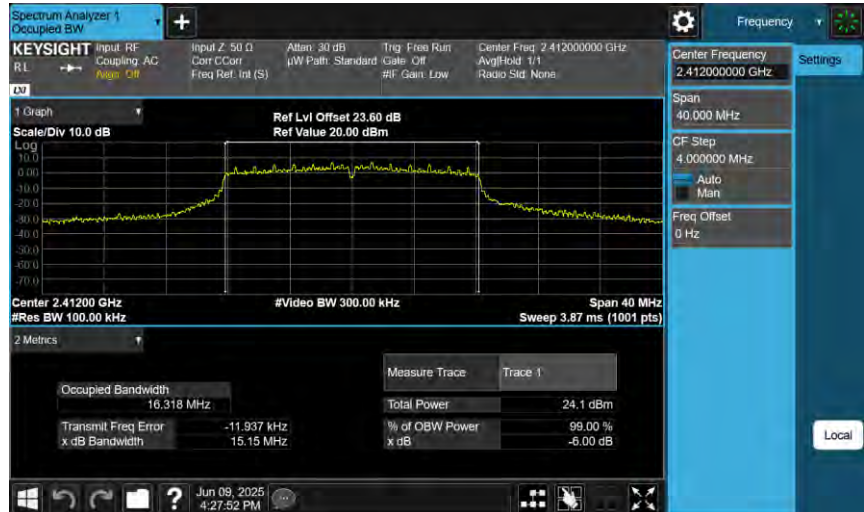


2472 MHz

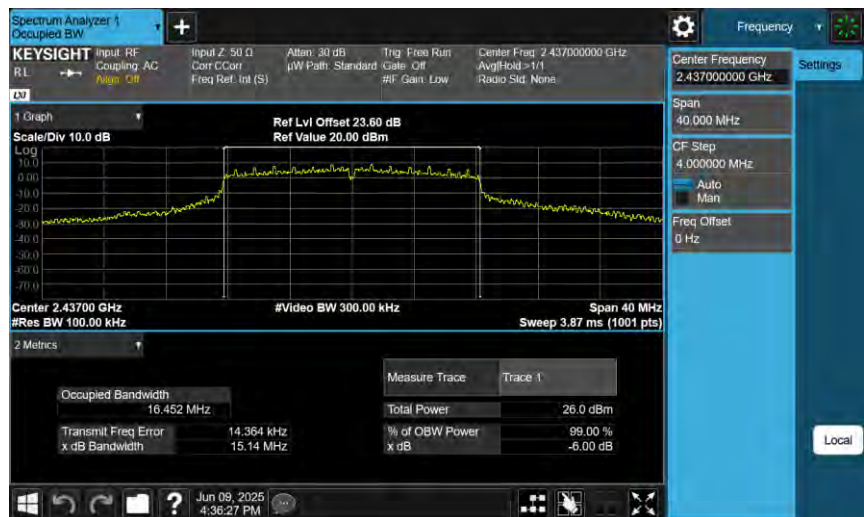


802.11g_ANT-0

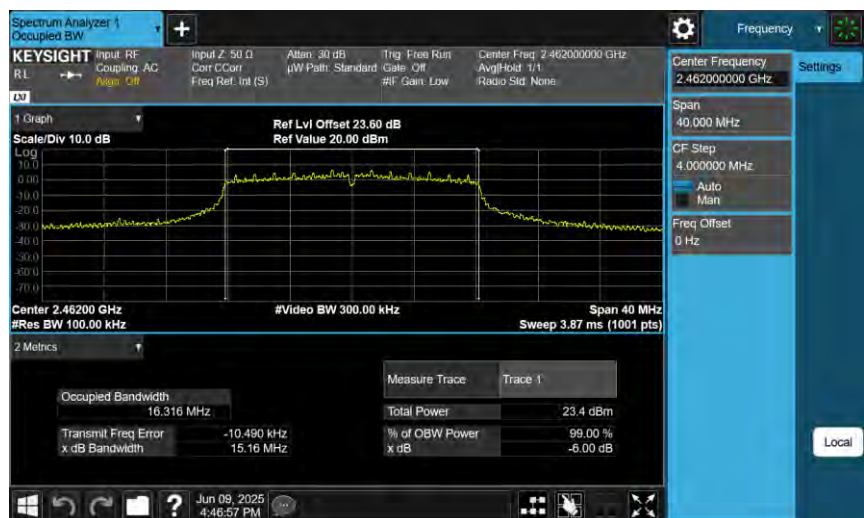
2412 MHz



2437 MHz



2462 MHz

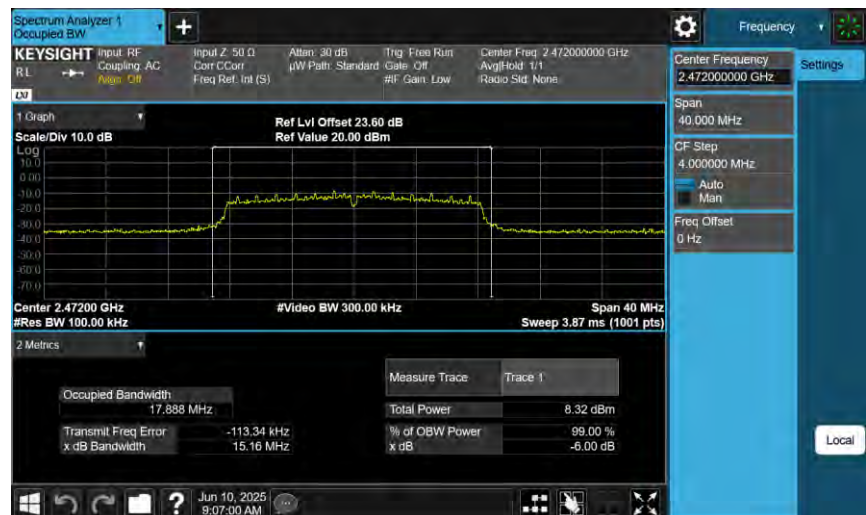


802.11g_ANT-0

2467 MHz



2472 MHz

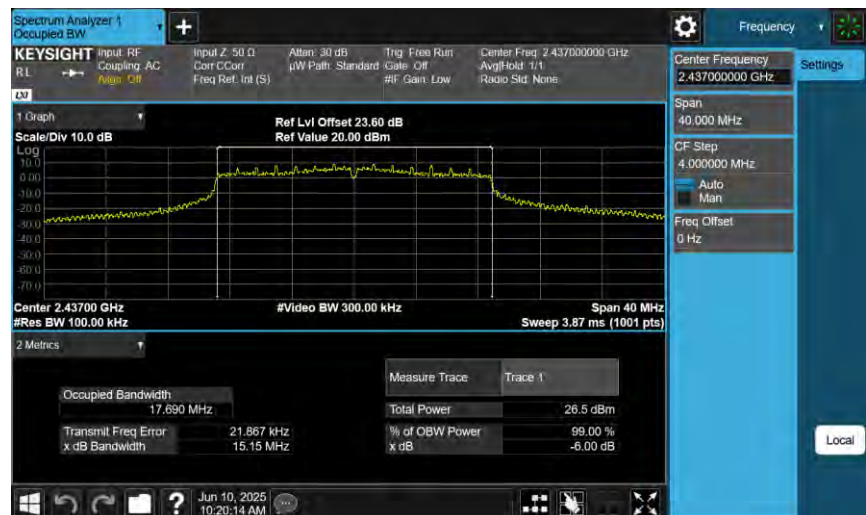


802.11n HT20_ANT-0

2412 MHz



2437 MHz

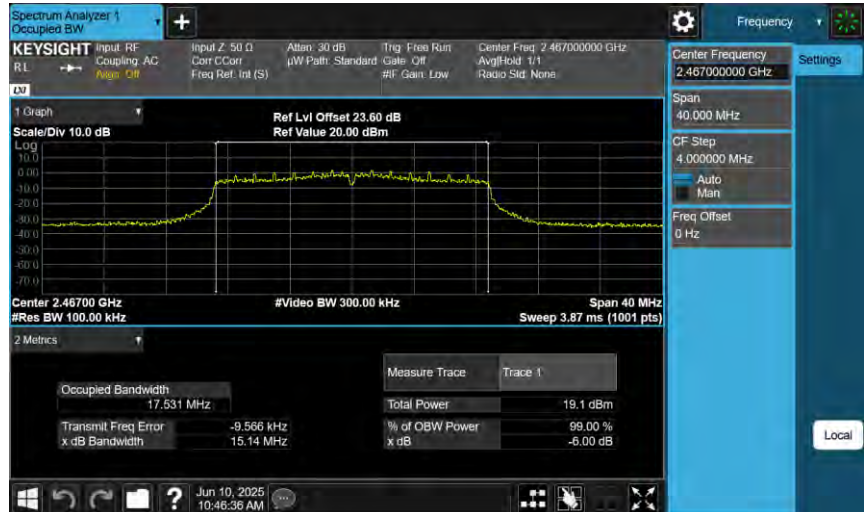


2462 MHz

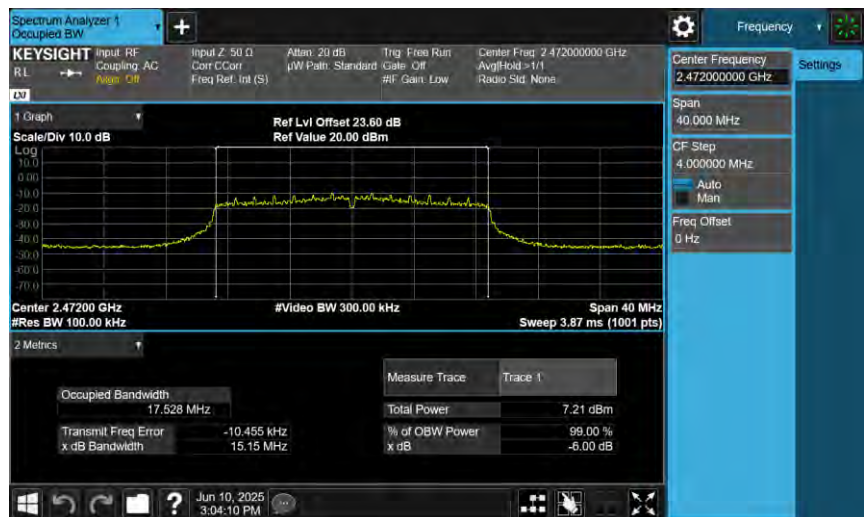


802.11n HT20_ANT-0

2467 MHz

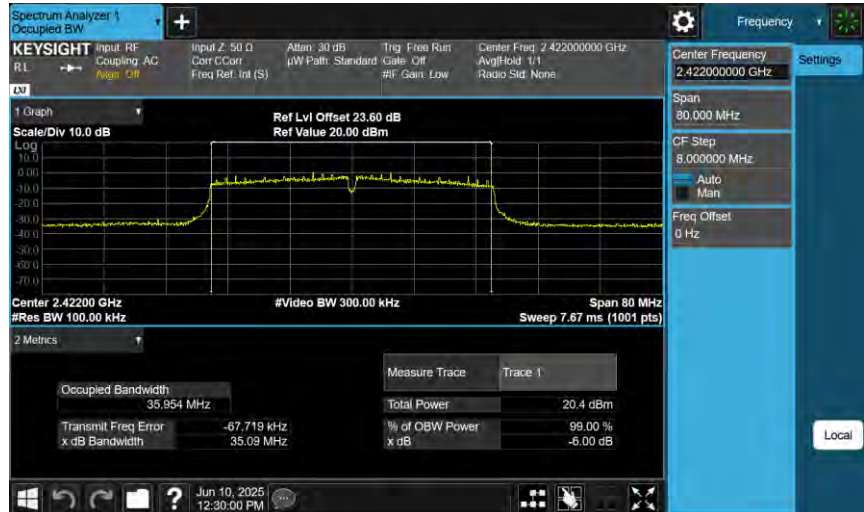


2472 MHz



802.11n HT40_ANT-0

2422 MHz



2437 MHz



2452 MHz

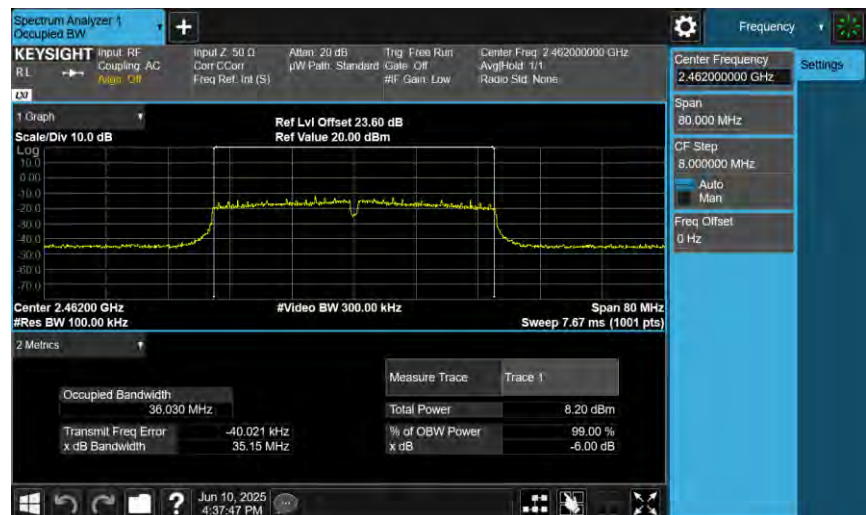


802.11n HT40_ANT-0

2457 MHz



2462 MHz



802.11ax HE20_ANT-0

2412 MHz



2437 MHz



2462 MHz



802.11ax HE20_ANT-0

2467 MHz



2472 MHz



802.11ax HE40_ANT-0

2422 MHz



2437 MHz



2452 MHz

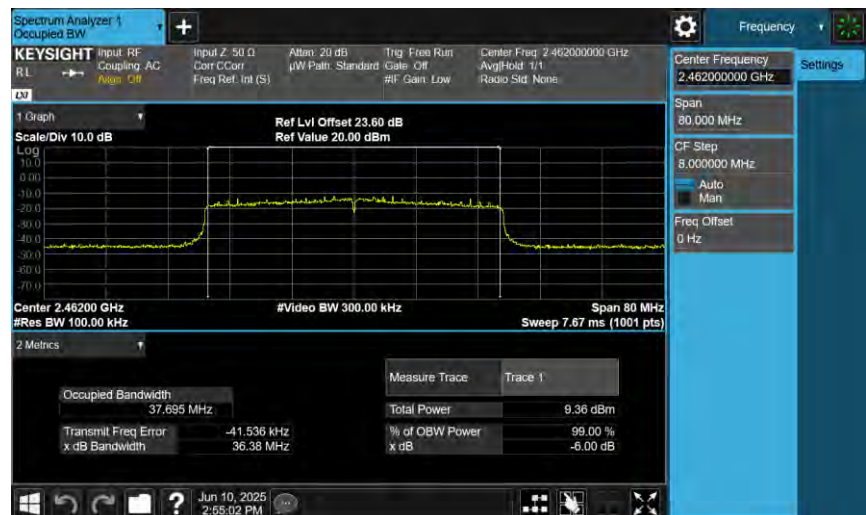


802.11ax HE40_ANT-0

2457 MHz



2462 MHz



802.11b_ANT-1

2412 MHz



2437 MHz



2462 MHz



802.11b_ANT-1

2467 MHz



2472 MHz



802.11g_ANT-1

2412 MHz



2437 MHz



2462 MHz



802.11g_ANT-1

2467 MHz



2472 MHz



802.11n HT20_ANT-1

2412 MHz



2437 MHz



2462 MHz

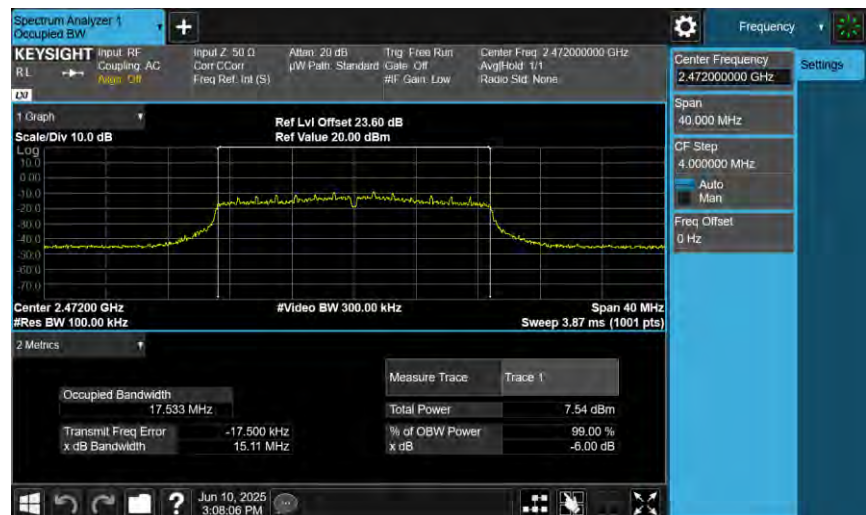


802.11n HT20_ANT-1

2467 MHz



2472 MHz



802.11n HT40_ANT-1

2422 MHz



2437 MHz



2452 MHz



802.11n HT40_ANT-1

2457 MHz



2462 MHz



802.11ax HE20_ANT-1

2412 MHz



2437 MHz



2462 MHz



802.11ax HE20_ANT-1

2467 MHz



2472 MHz



802.11ax HE40_ANT-1

2422 MHz



2437 MHz



2452 MHz

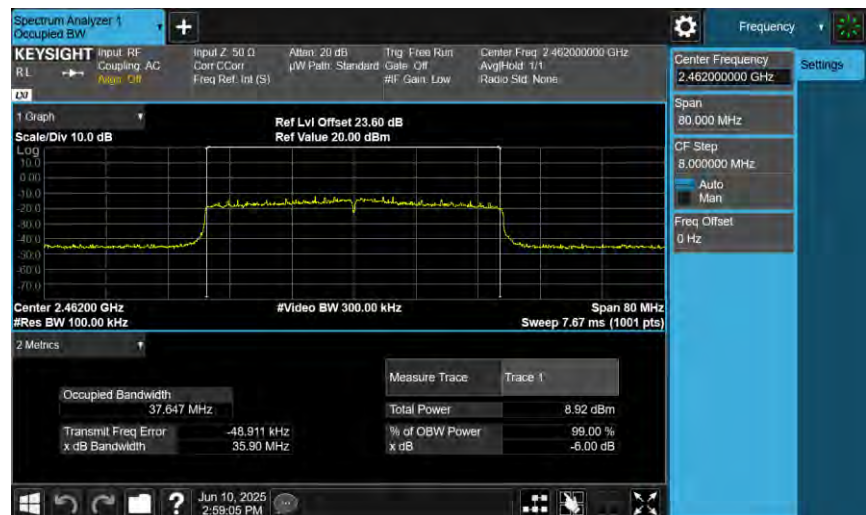


802.11ax HE40_ANT-1

2457 MHz



2462 MHz



99% Occupied Bandwidth

802.11b_ANT-0

2412 MHz



2437 MHz



2462 MHz



802.11b_ANT-0

2467 MHz



2472 MHz



802.11g_ANT-0

2412 MHz



2437 MHz



2462 MHz



802.11g_ANT-0

2467 MHz



2472 MHz



802.11n HT20_ANT-0

2412 MHz



2437 MHz



2462 MHz



802.11n HT20_ANT-0

2467 MHz



2472 MHz



802.11n HT40_ANT-0

2422 MHz



2437 MHz



2452 MHz



802.11n HT40_ANT-0

2457 MHz



2462 MHz



802.11ax HE20_ANT-0

2412 MHz



2437 MHz



2462 MHz



802.11ax HE20_ANT-0

2467 MHz



2472 MHz



802.11ax HE40_ANT-0

2422 MHz

Spectrum Analyzer 1
Occupied BW

KEYSIGHT
Input: RF
Coupling: AC
Ref: R.L.
Page: Off

Input Z: 50 Ω
Corr: Corr
Freq Ref: Int (S)

Atten: 30 dB
 μ W Path: Standard
#F: Gain Low

Trig: Free Run
Gate: Off
#F: Gain Low

Center Freq: 2.42200000 GHz
Avg/Hold: 1/1
Radio Std: None

Center Frequency: 2.42200000 GHz
Span: 80.000 MHz
CF Step: 8.000000 MHz
Auto Man
Freq Offset: 0 Hz

1 Graph
Scale/Div: 10.0 dB
Log
Ref Lvl Offset: 23.60 dB
Ref Value: 20.00 dBm

Center: 2.42200 GHz
#Res BW: 1.0000 MHz
#Video BW: 3.0000 MHz
Span: 80 MHz
Sweep: 1.00 ms (1001 pts)

2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	37.760 MHz	Total Power	22.7 dBm
Transmit Freq Error	-99.752 kHz	% of OBW Power	99.00 %
x dB Bandwidth	41.22 MHz	x dB	-26.00 dB

Jun 10, 2025 2:02:38 PM

2437 MHz

Spectrum Analyzer 1
Occupied BW

KEYSIGHT
Input: RF
Coupling: AC
Ref: R.L.
Page: Off

Input Z: 50 Ω
Corr: Corr
Freq Ref: Int (S)

Atten: 30 dB
 μ W Path: Standard
#F: Gain Low

Trig: Free Run
Gate: Off
#F: Gain Low

Center Freq: 2.43700000 GHz
Avg/Hold: 1/1
Radio Std: None

Center Frequency: 2.43700000 GHz
Span: 80.000 MHz
CF Step: 8.000000 MHz
Auto Man
Freq Offset: 0 Hz

1 Graph
Scale/Div: 10.0 dB
Log
Ref Lvl Offset: 23.60 dB
Ref Value: 20.00 dBm

Center: 2.43700 GHz
#Res BW: 1.0000 MHz
#Video BW: 3.0000 MHz
Span: 80 MHz
Sweep: 1.00 ms (1001 pts)

2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	37.803 MHz	Total Power	23.6 dBm
Transmit Freq Error	-111.98 kHz	% of OBW Power	99.00 %
x dB Bandwidth	41.41 MHz	x dB	-26.00 dB

Jun 10, 2025 2:13:48 PM

2452 MHz

Spectrum Analyzer 1
Occupied BW

KEYSIGHT
Input: RF
Coupling: AC
Ref: R.L.
Page: Off

Input Z: 50 Ω
Corr: Corr
Freq Ref: Int (S)

Atten: 30 dB
 μ W Path: Standard
#F: Gain Low

Trig: Free Run
Gate: Off
#F: Gain Low

Center Freq: 2.45200000 GHz
Avg/Hold: 1/1
Radio Std: None

Center Frequency: 2.45200000 GHz
Span: 80.000 MHz
CF Step: 8.000000 MHz
Auto Man
Freq Offset: 0 Hz

1 Graph
Scale/Div: 10.0 dB
Log
Ref Lvl Offset: 23.60 dB
Ref Value: 20.00 dBm

Center: 2.45200 GHz
#Res BW: 1.0000 MHz
#Video BW: 3.0000 MHz
Span: 80 MHz
Sweep: 1.00 ms (1001 pts)

2 Metrics

Measure Trace		Trace 1	
Occupied Bandwidth	37.815 MHz	Total Power	21.9 dBm
Transmit Freq Error	-86.206 kHz	% of OBW Power	99.00 %
x dB Bandwidth	41.32 MHz	x dB	-26.00 dB

Jun 10, 2025 2:20:03 PM

802.11ax HE40_ANT-0

2457 MHz



2462 MHz



802.11b_ANT-1

2412 MHz



2437 MHz



2462 MHz



802.11b_ANT-1

2467 MHz



2472 MHz



802.11g_ANT-1

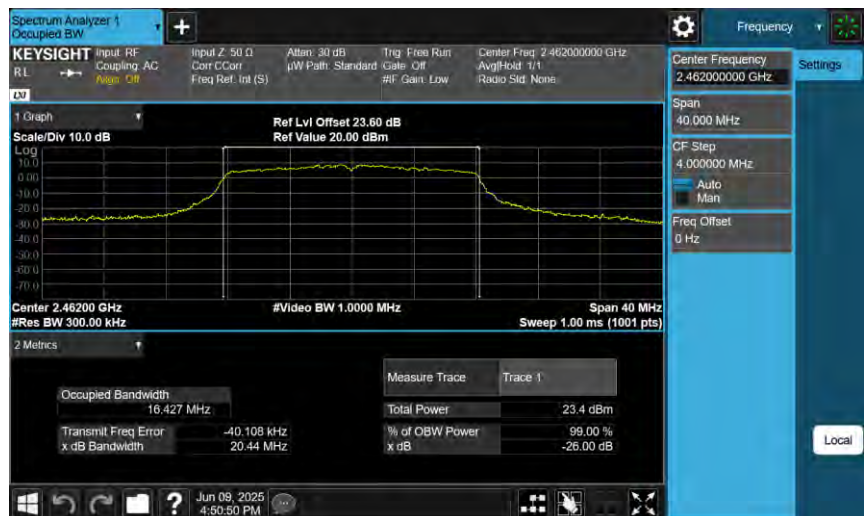
2412 MHz



2437 MHz



2462 MHz



802.11g_ANT-1

2467 MHz



2472 MHz



802.11n HT20_ANT-1

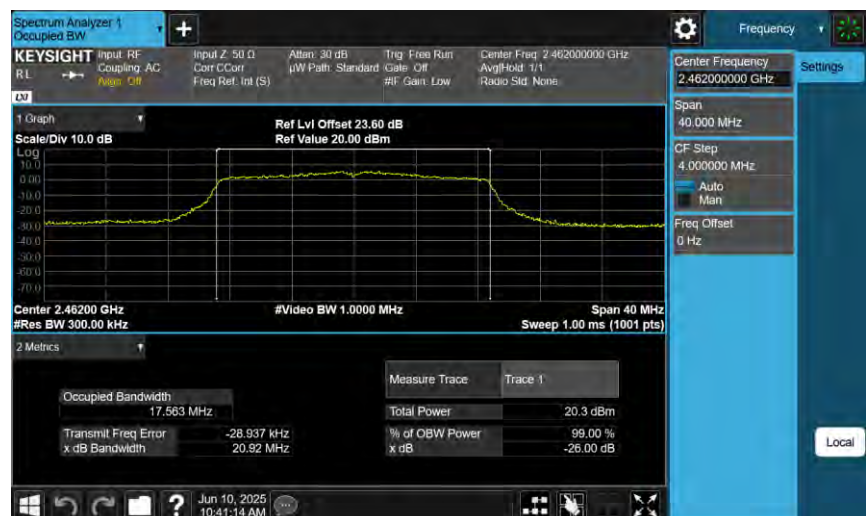
2412 MHz



2437 MHz



2462 MHz

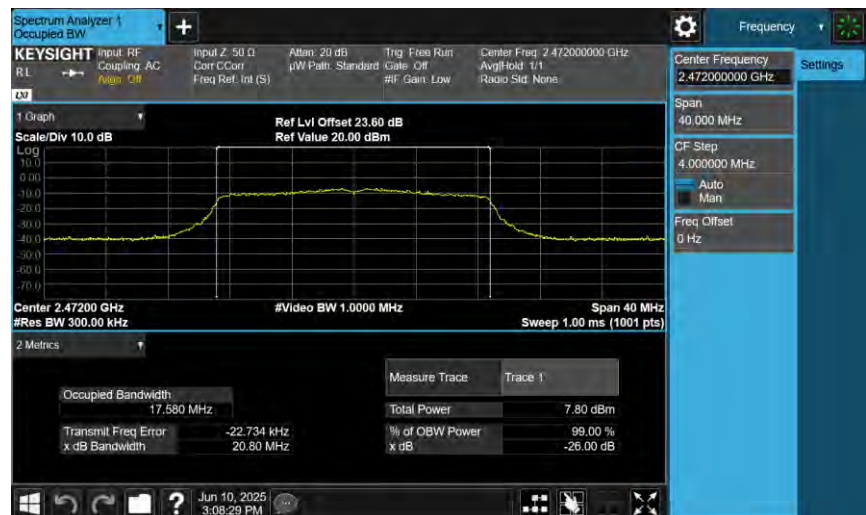


802.11n HT20_ANT-1

2467 MHz



2472 MHz



802.11n HT40_ANT-1

2422 MHz



2437 MHz



2452 MHz



802.11n HT40_ANT-1

2457 MHz



2462 MHz



802.11ax HE20_ANT-1

2412 MHz



2437 MHz



2462 MHz



802.11ax HE20_ANT-1

2467 MHz



2472 MHz



802.11ax HE40_ANT-1

2422 MHz



2437 MHz



2452 MHz



802.11ax HE40_ANT-1

2457 MHz



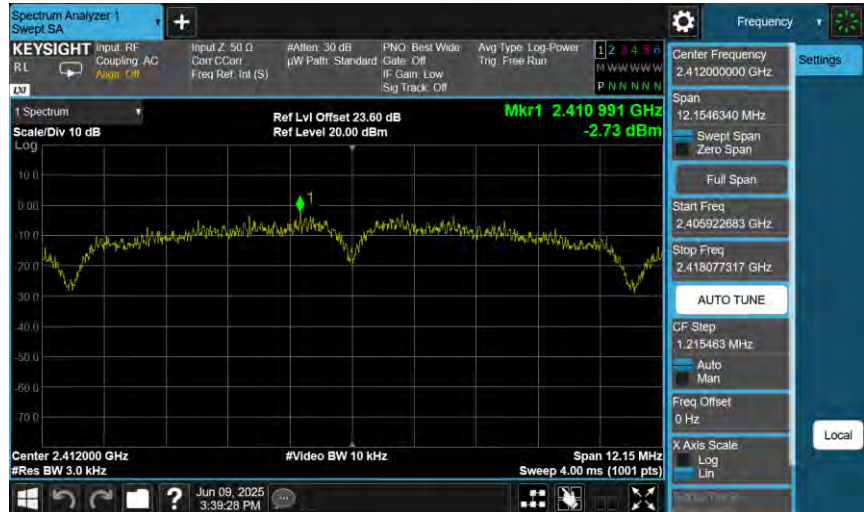
2462 MHz



Maximum Power Spectral Density

802.11b_ANT-0

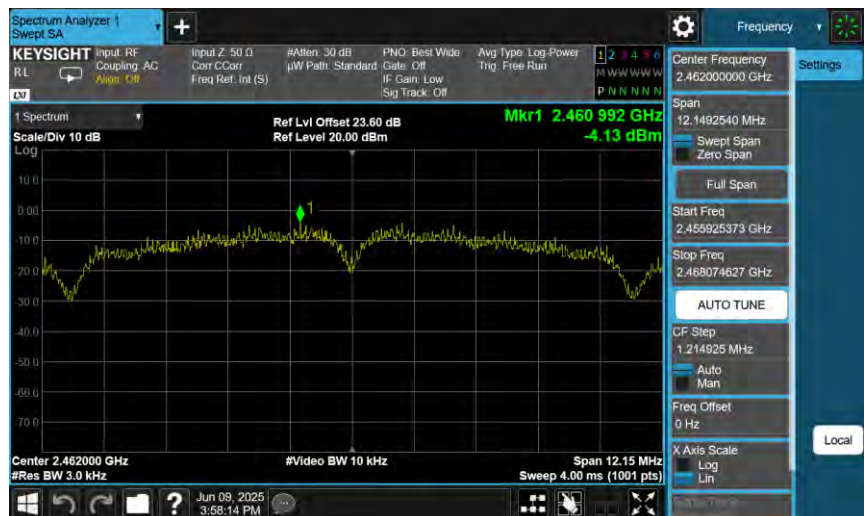
2412 MHz



2437 MHz



2462 MHz

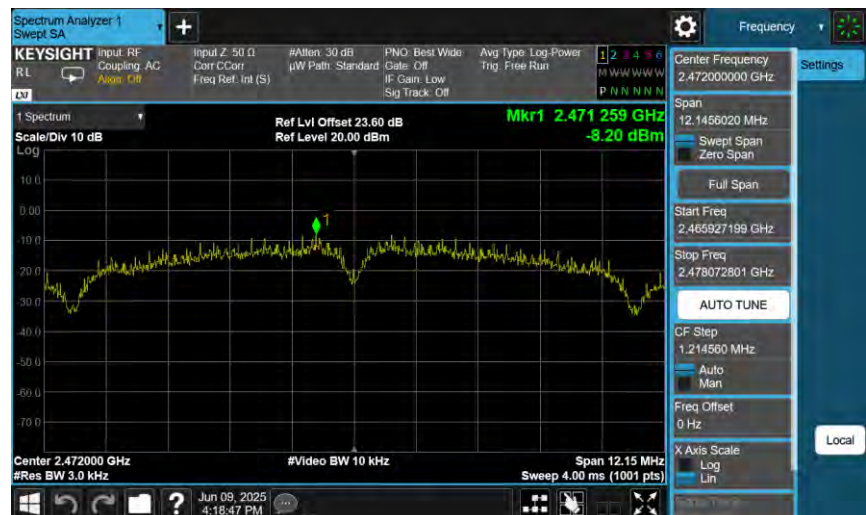


802.11b_ANT-0

2467 MHz

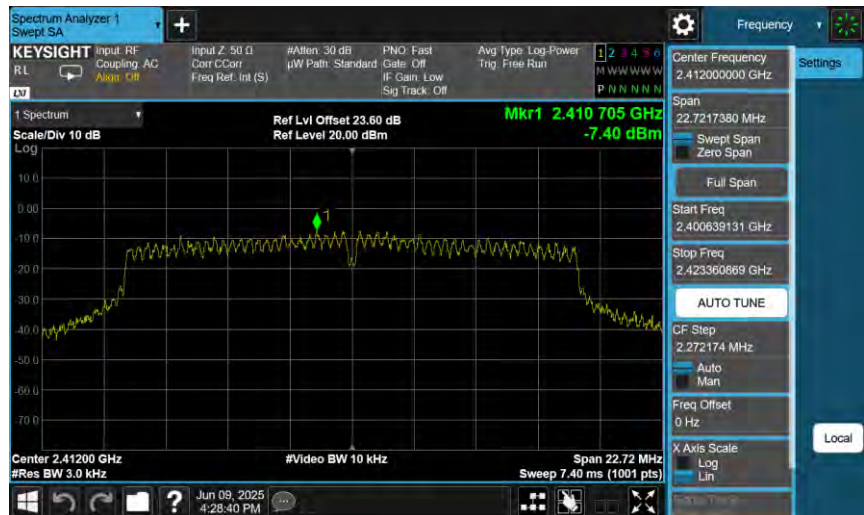


2472 MHz

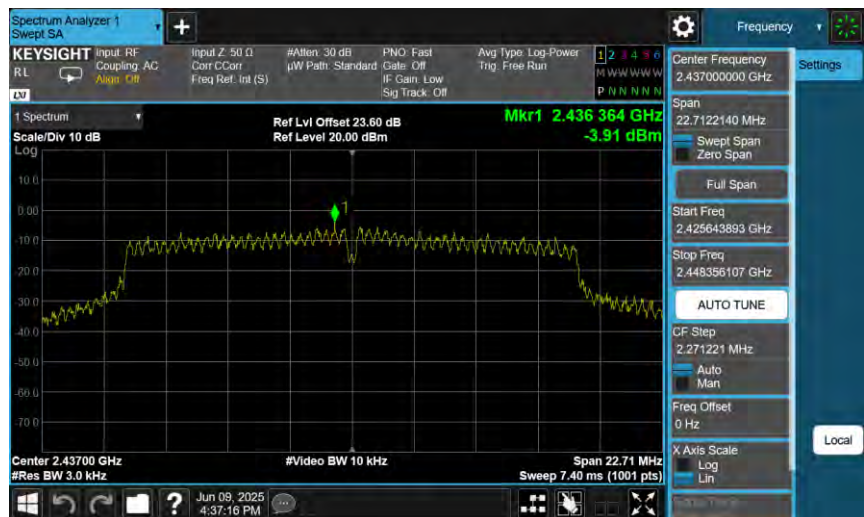


802.11g_ANT-0

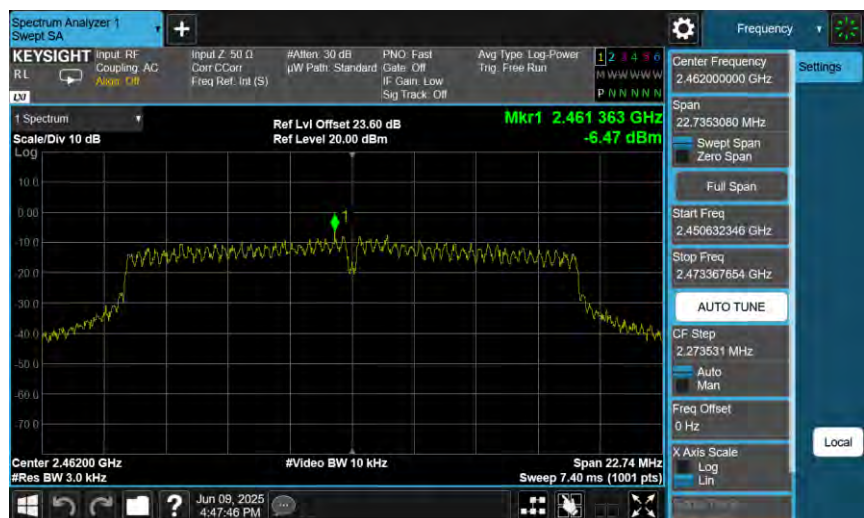
2412 MHz



2437 MHz

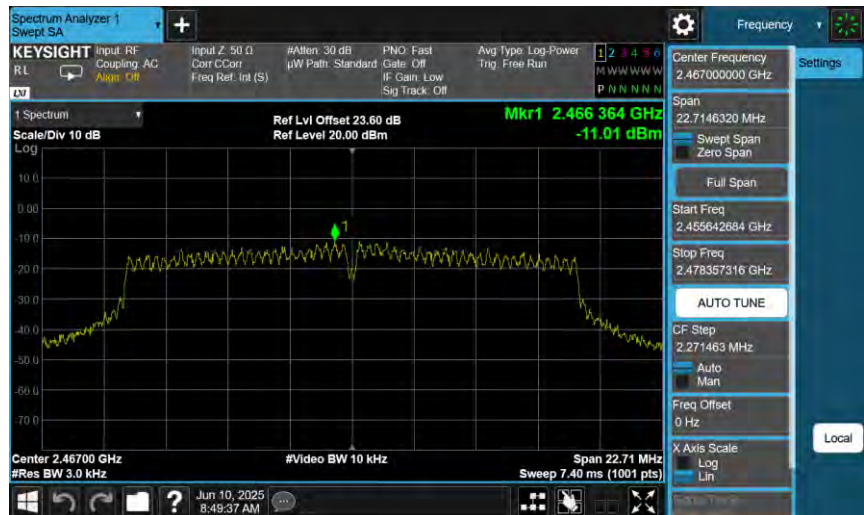


2462 MHz



802.11g_ANT-0

2467 MHz



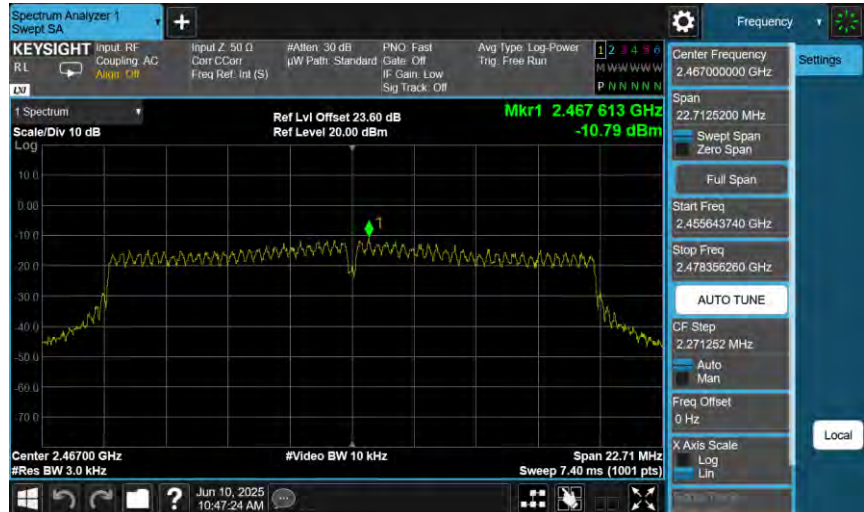
2472 MHz



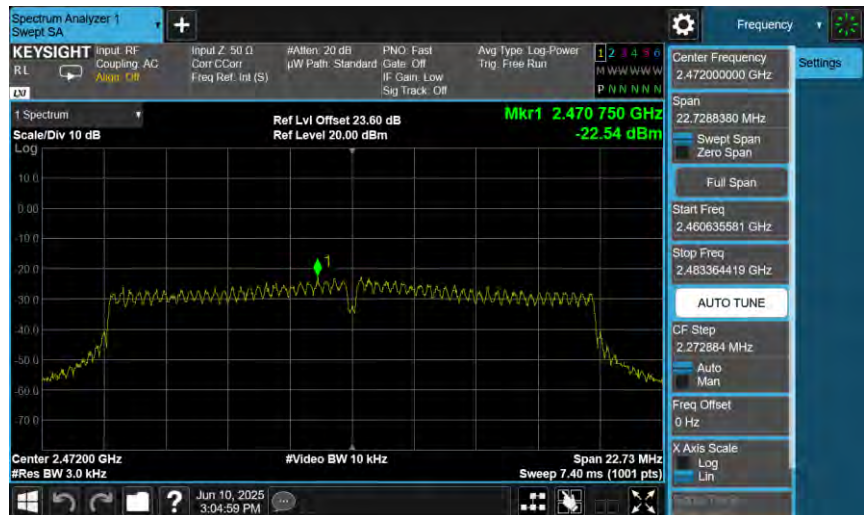


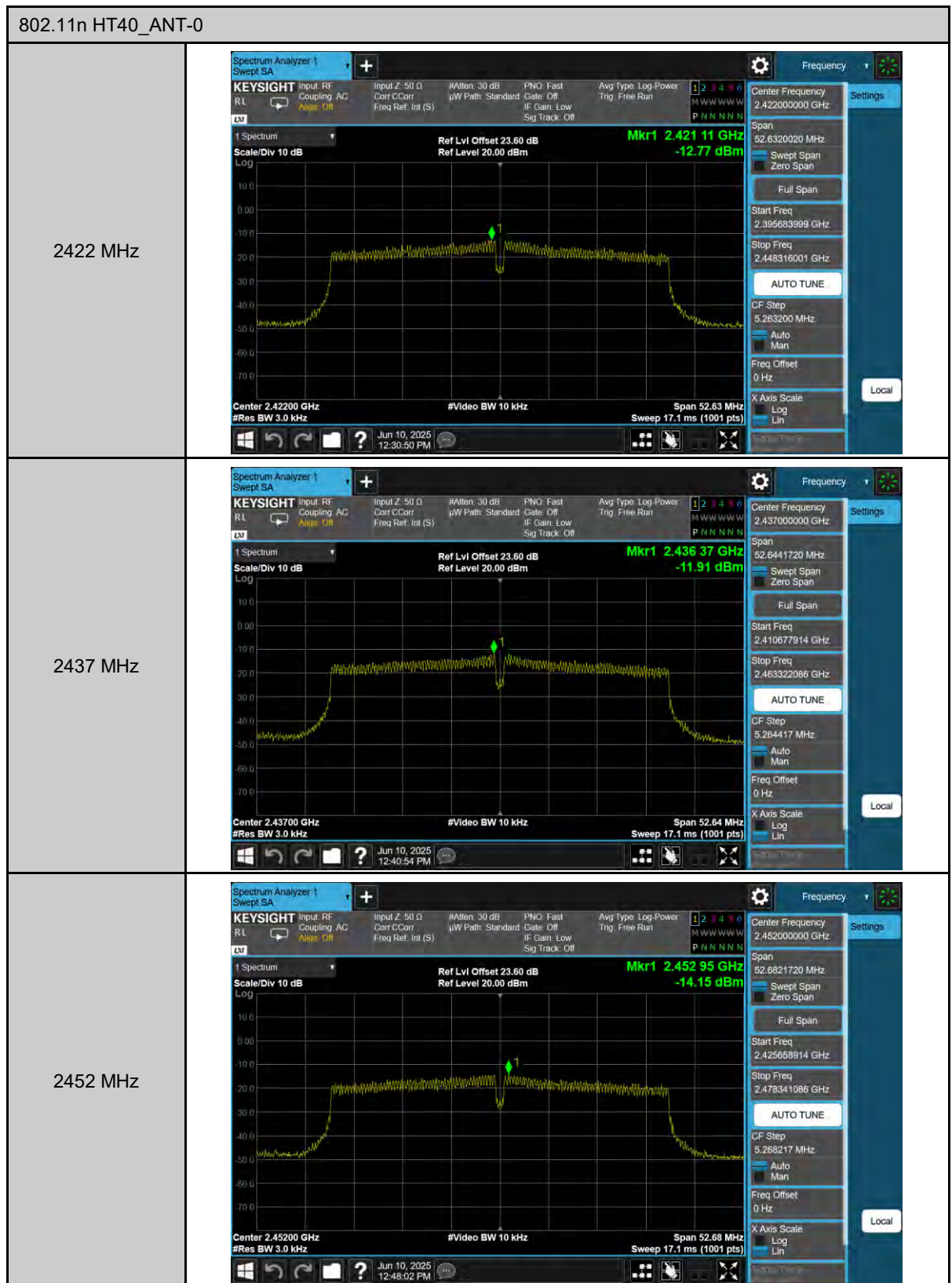
802.11n HT20_ANT-0

2467 MHz

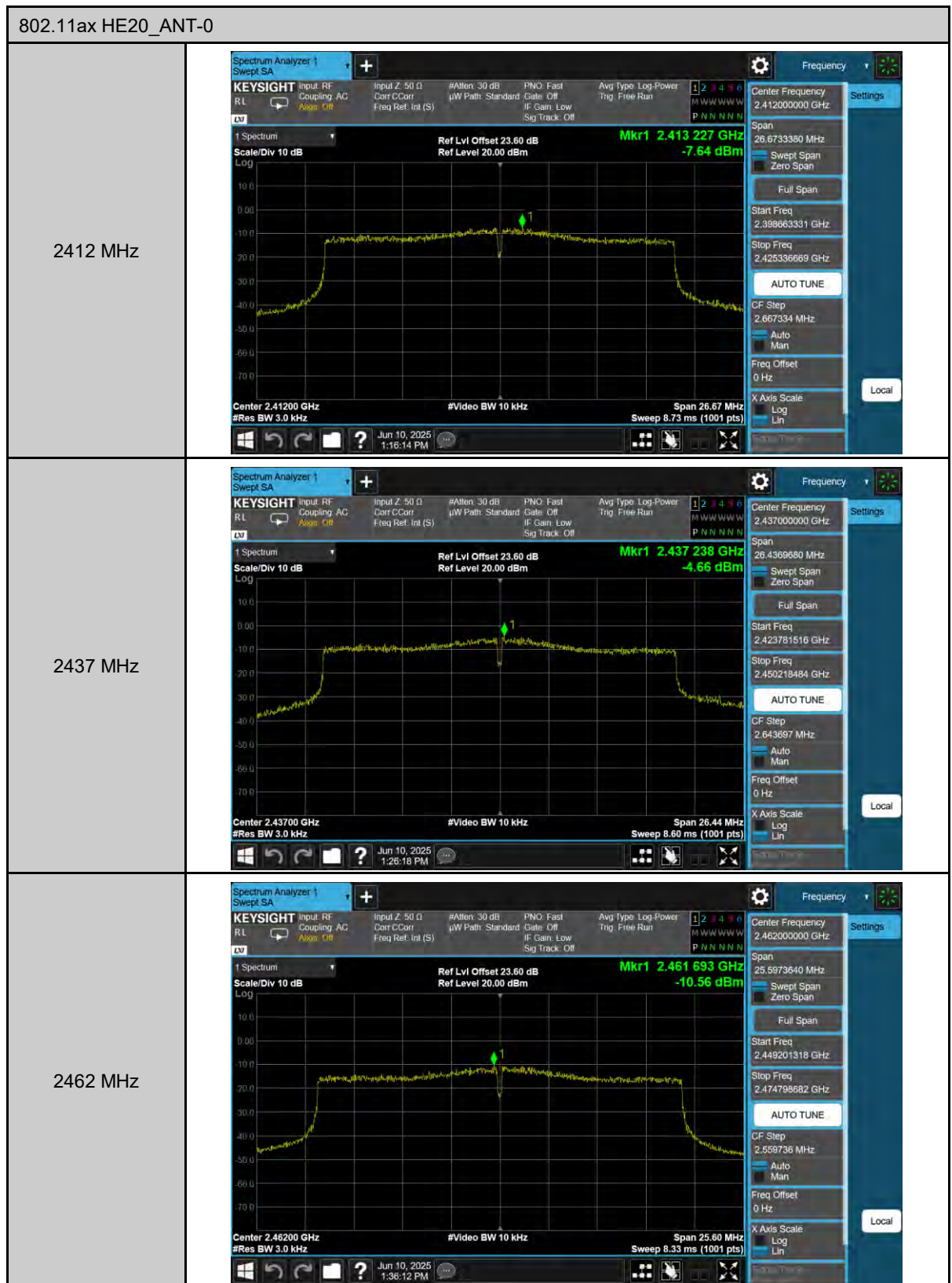


2472 MHz



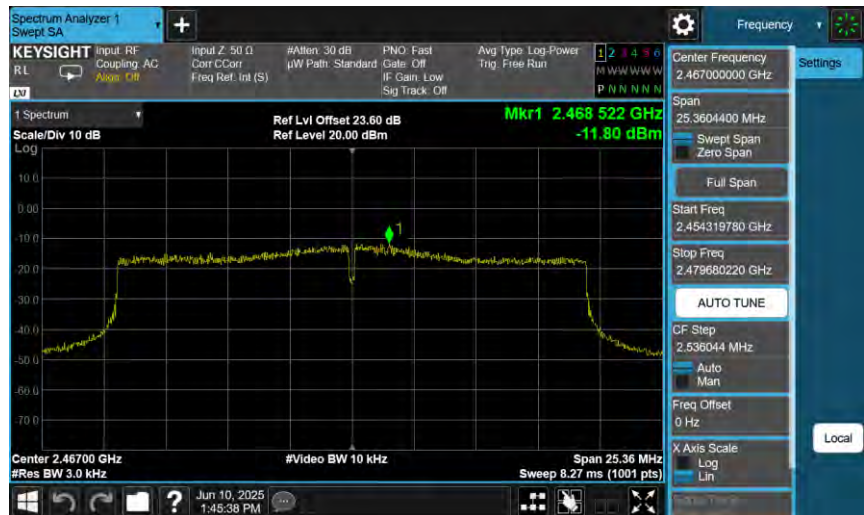






802.11ax HE20_ANT-0

2467 MHz

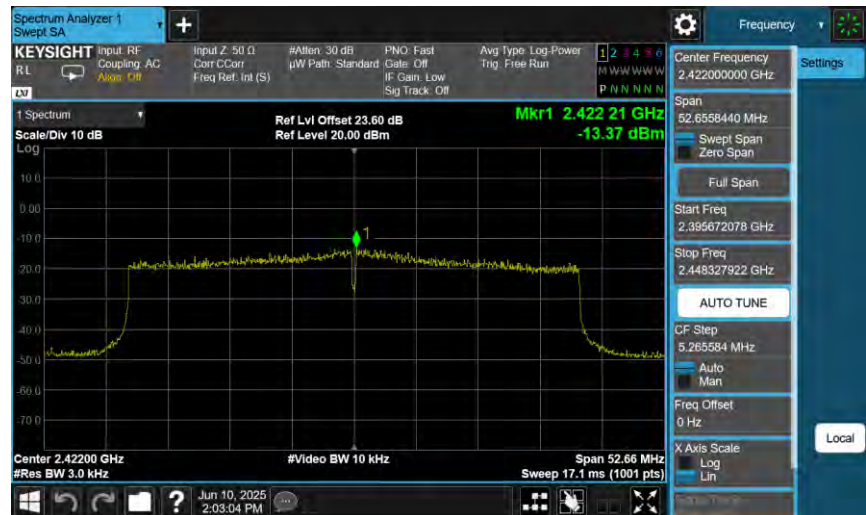


2472 MHz

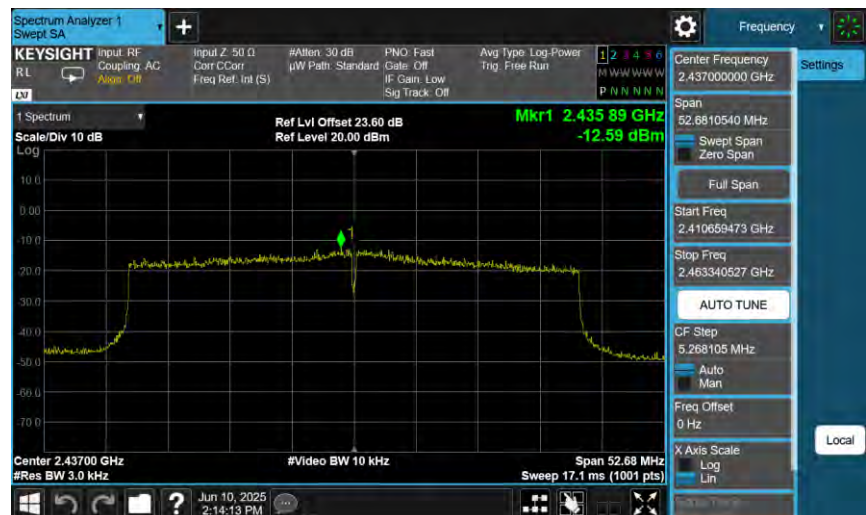


802.11ax HE40_ANT-0

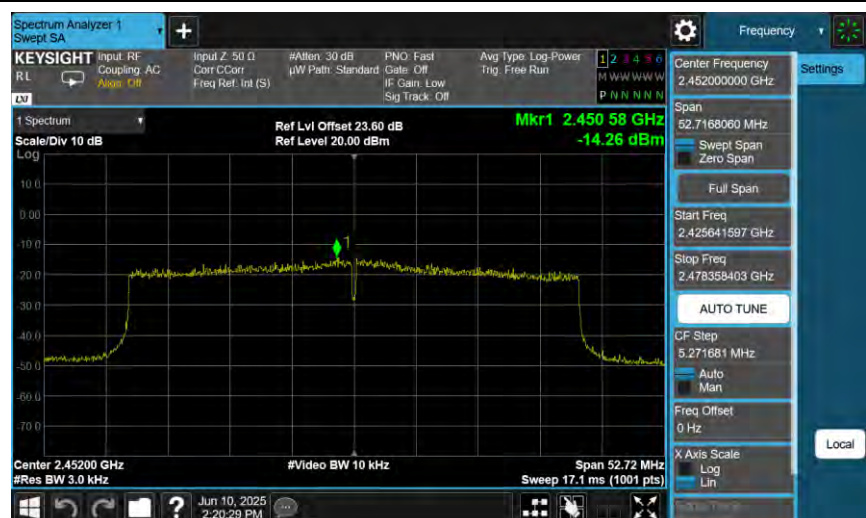
2422 MHz



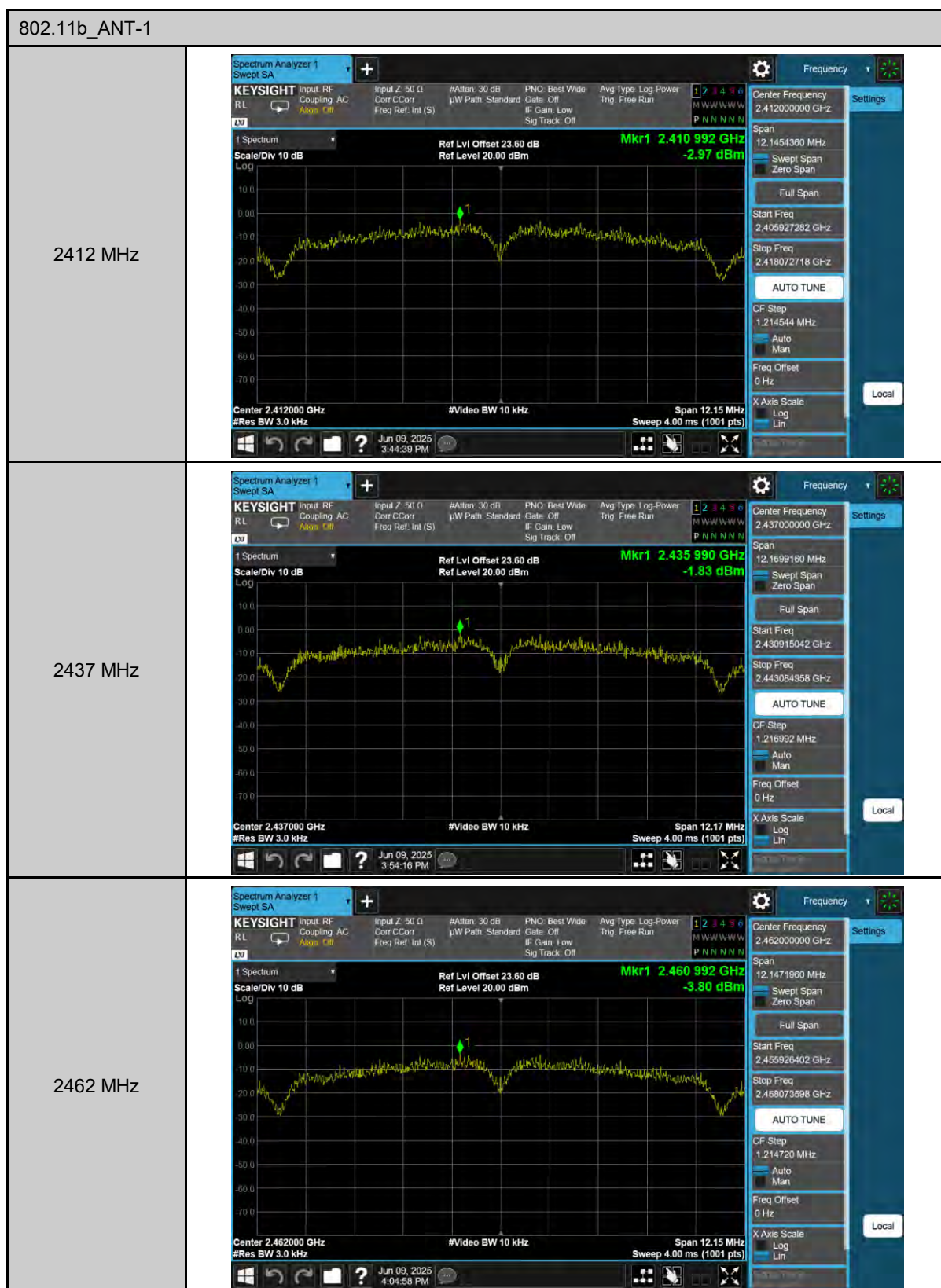
2437 MHz



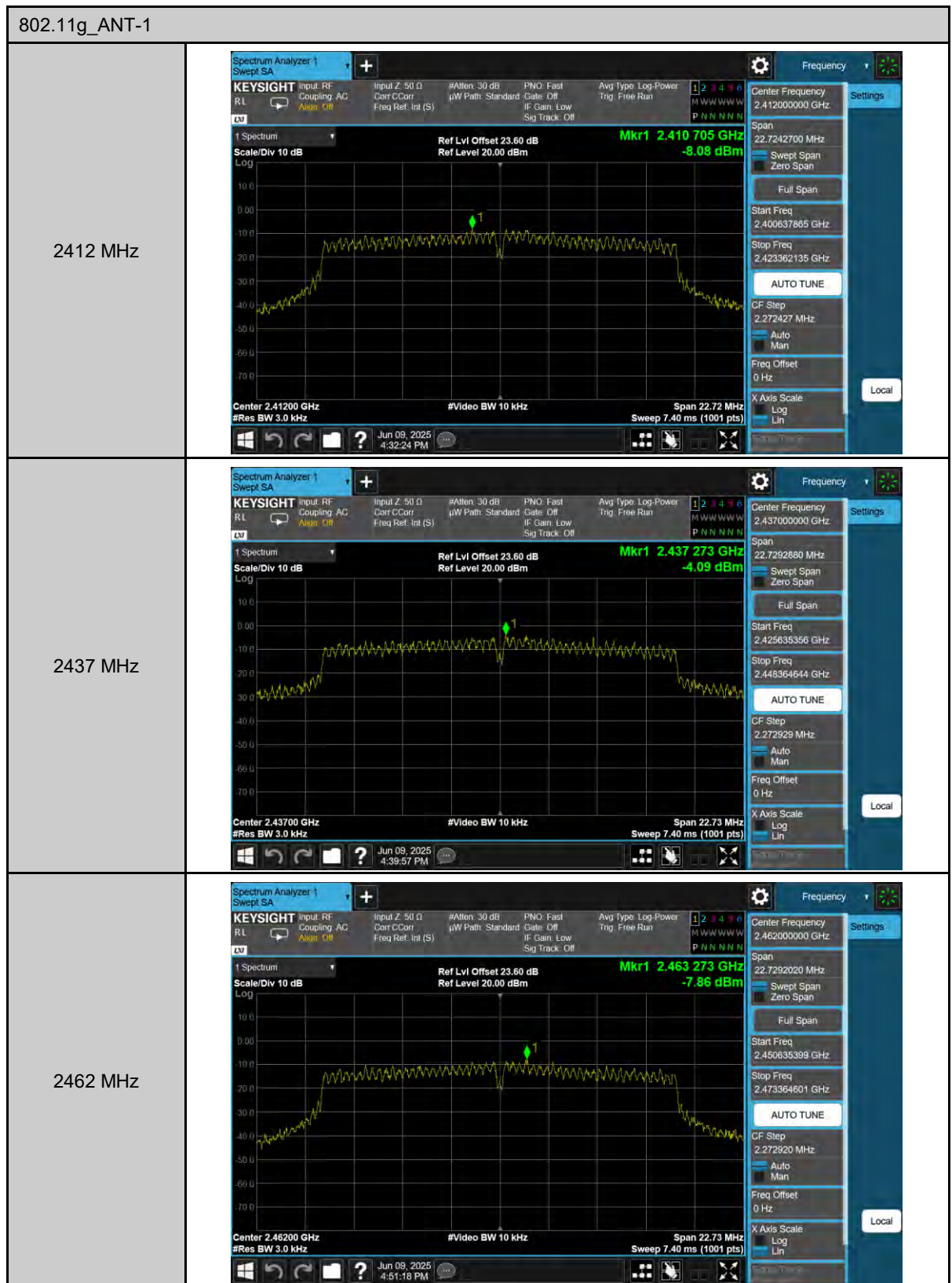
2452 MHz





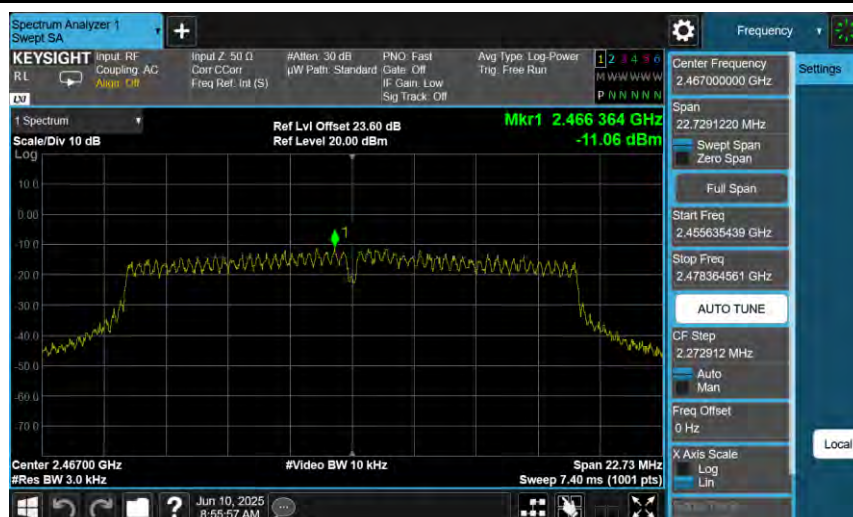




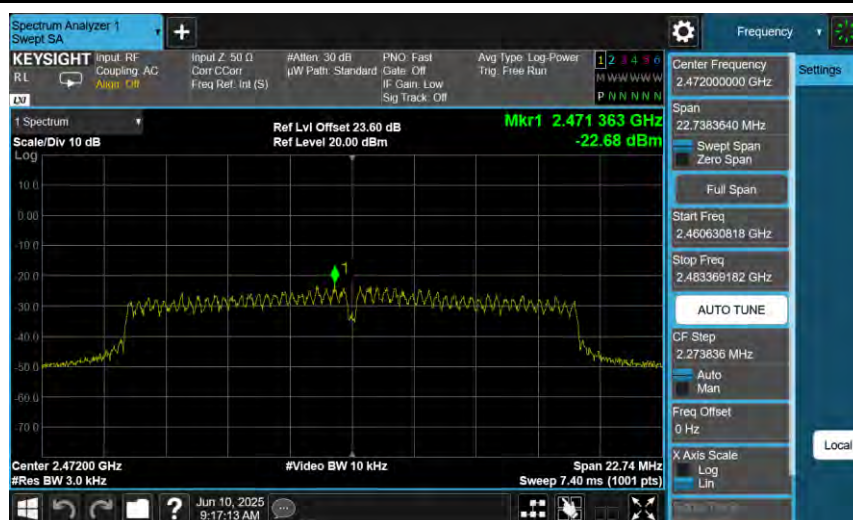


802.11g_ANT-1

2467 MHz

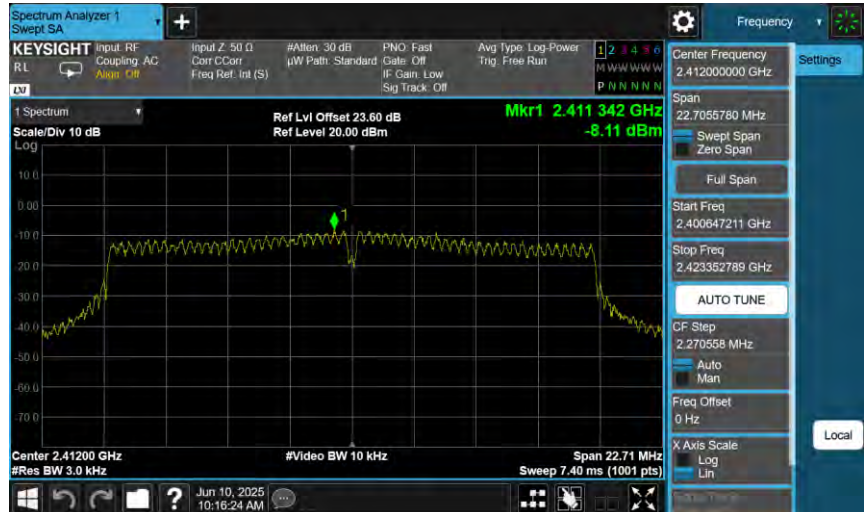


2472 MHz

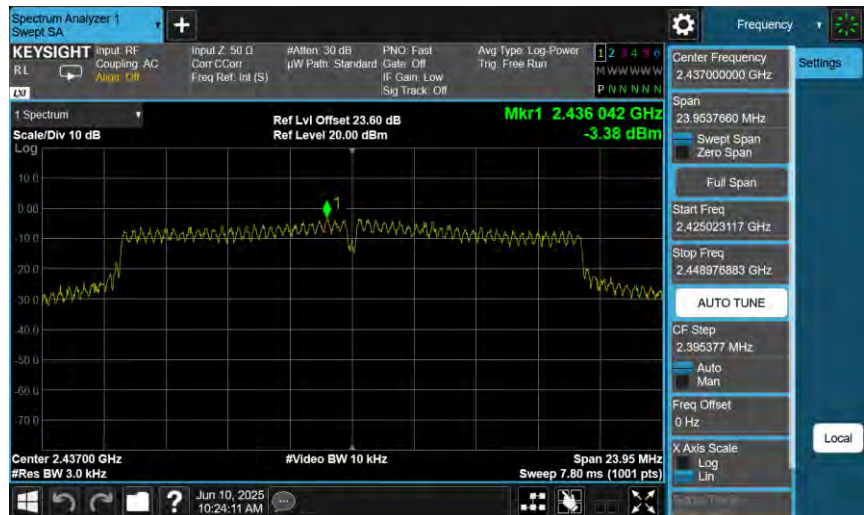


802.11n HT20_ANT-1

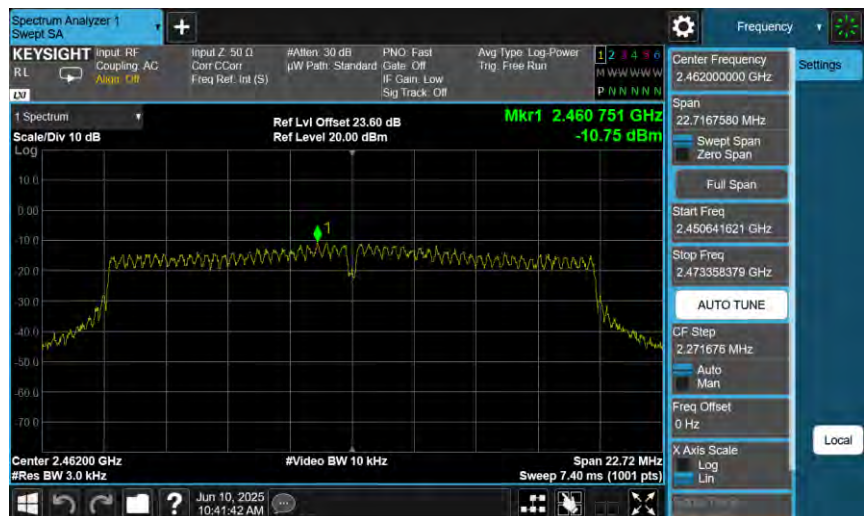
2412 MHz



2437 MHz

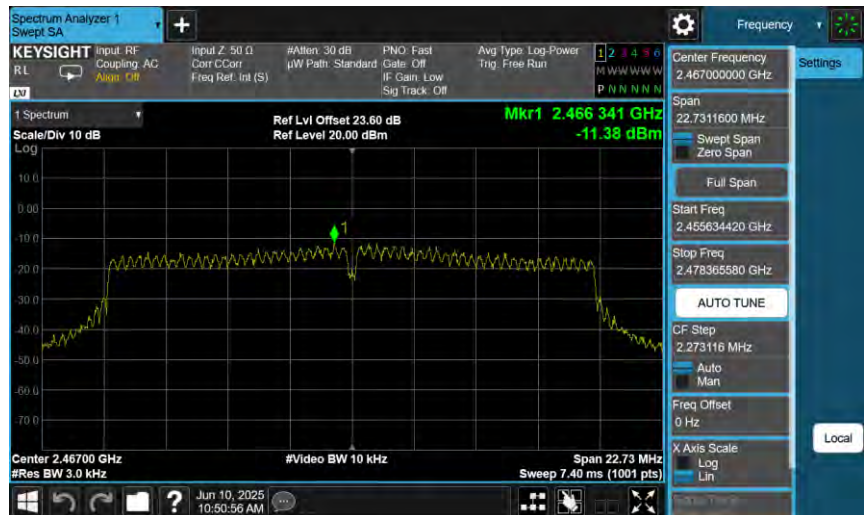


2462 MHz

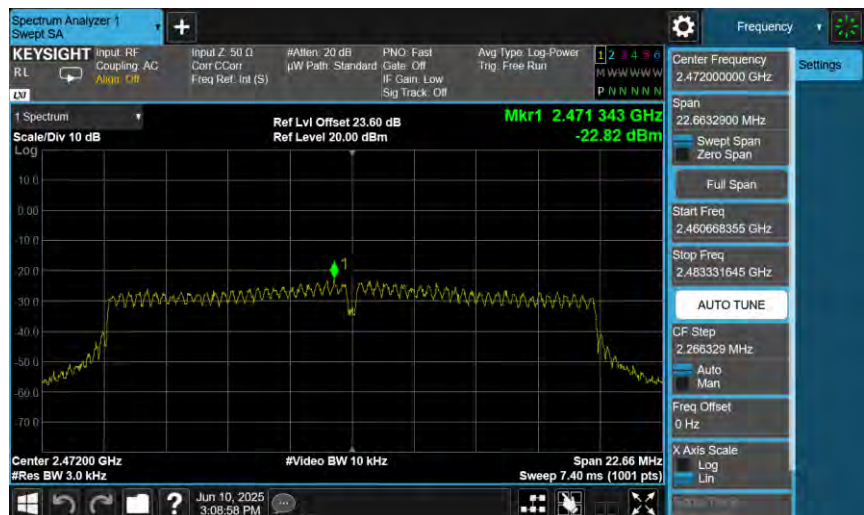


802.11n HT20_ANT-1

2467 MHz

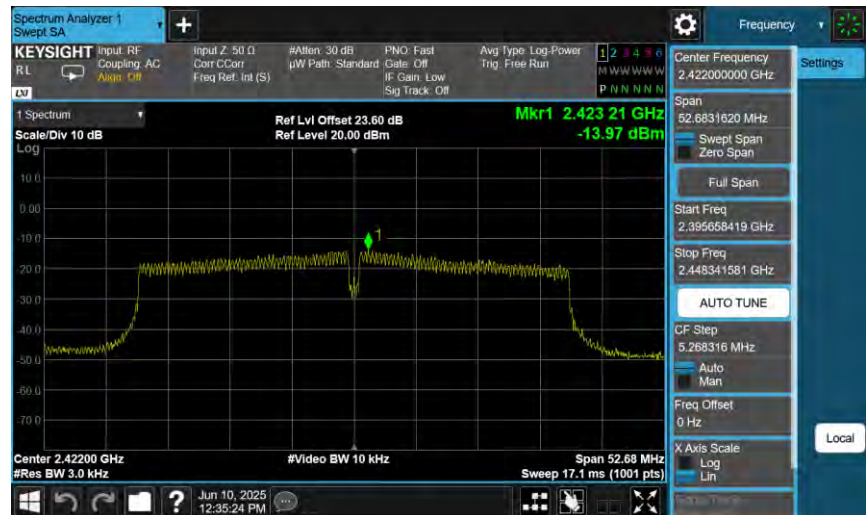


2472 MHz

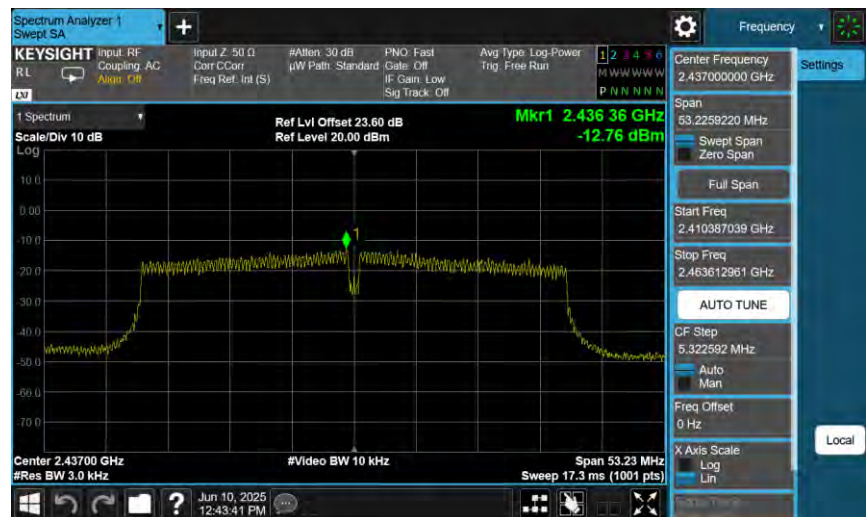


802.11n HT40_ANT-1

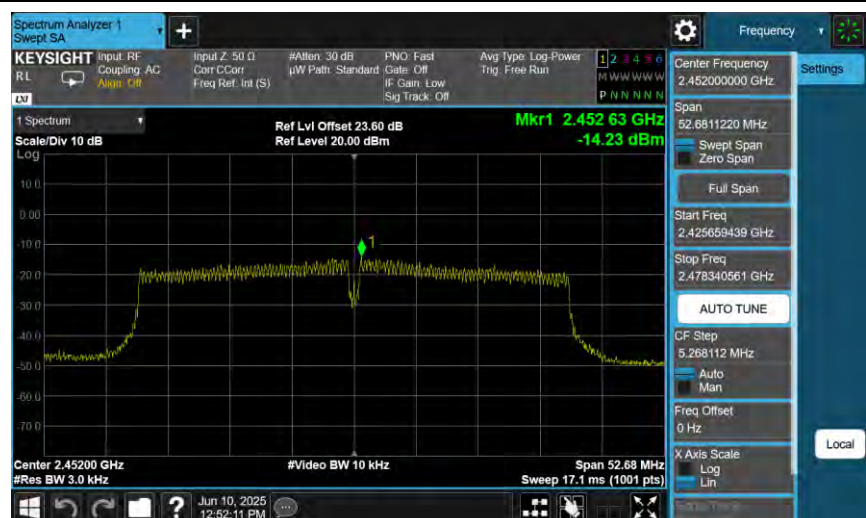
2422 MHz



2437 MHz



2452 MHz



802.11n HT40_ANT-1

2457 MHz

