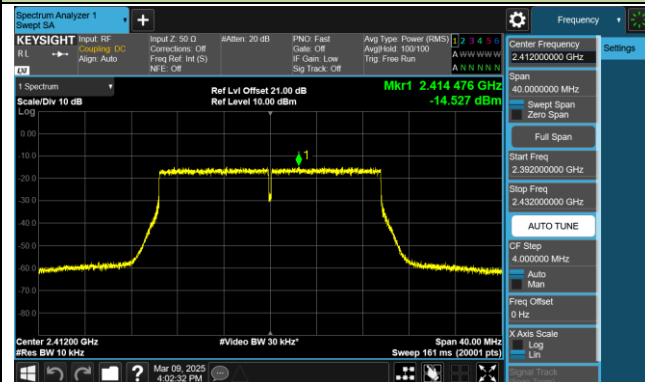
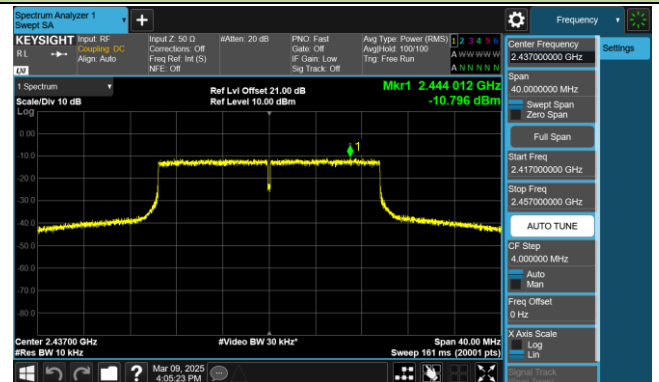


802.11ax-HE20 AVGPSPD – Ant 1– CDD Mode

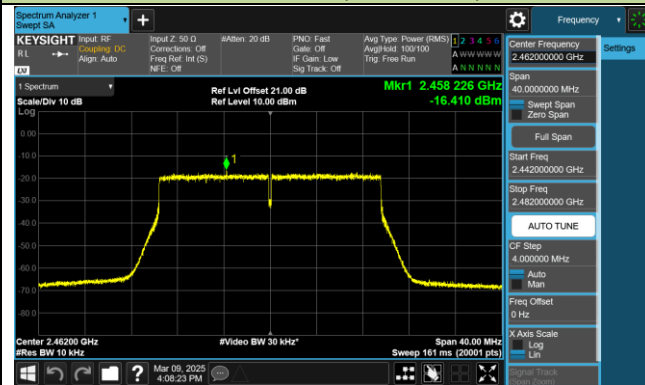
Channel 01 (2412MHz)



Channel 06 (2437MHz)

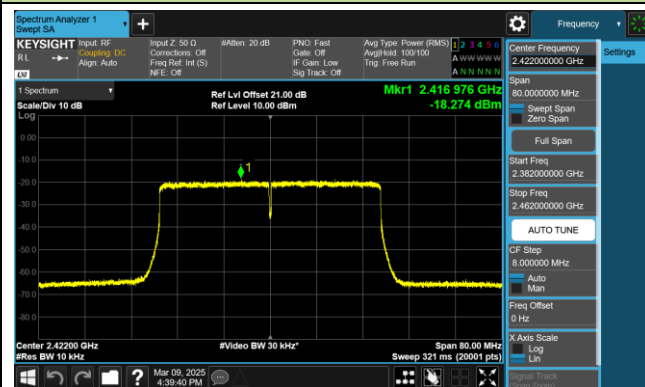


Channel 11 (2462MHz)

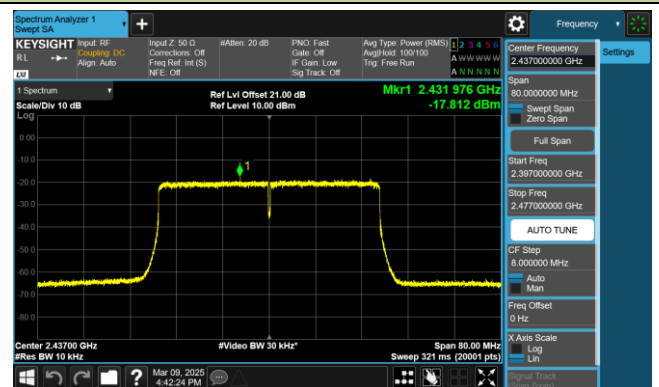


802.11ax-HE40 AVGPSPD – Ant 1– CDD Mode

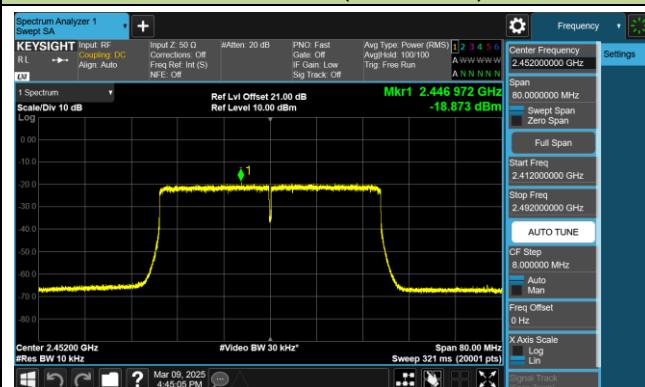
Channel 03 (2422MHz)



Channel 06 (2437MHz)

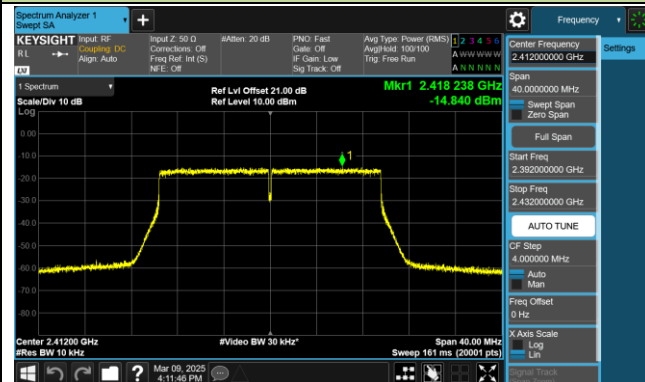


Channel 09 (2452MHz)

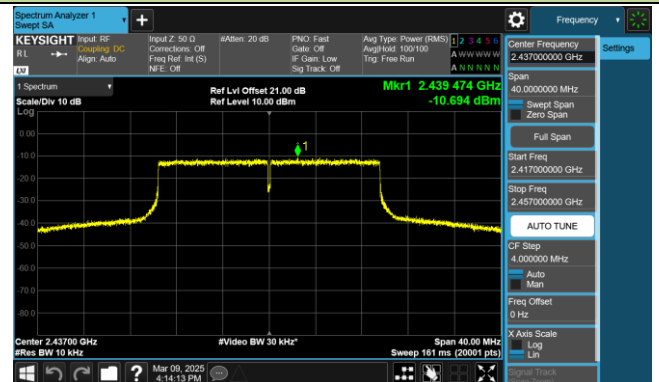


802.11be-EHT20 AVGPSPD – Ant 1– CDD Mode

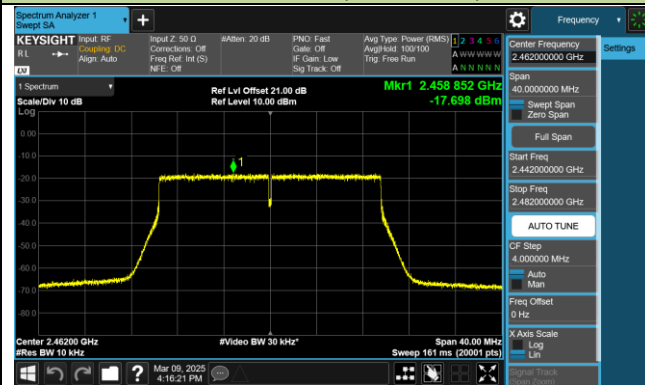
Channel 01 (2412MHz)



Channel 06 (2437MHz)

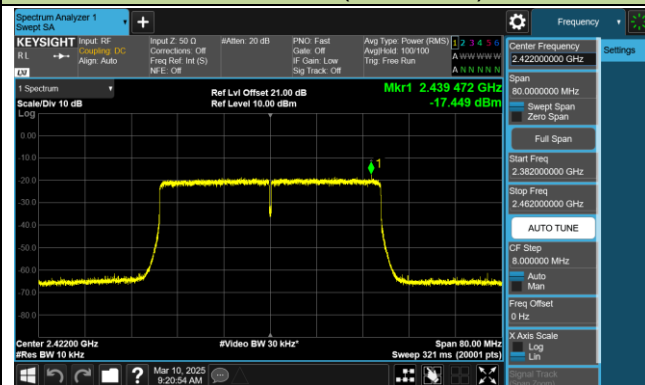


Channel 11 (2462MHz)

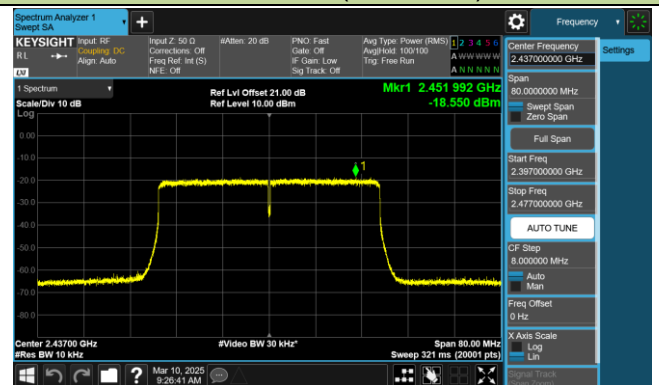


802.11be-EHT40 AVGPSPD – Ant 1– CDD Mode

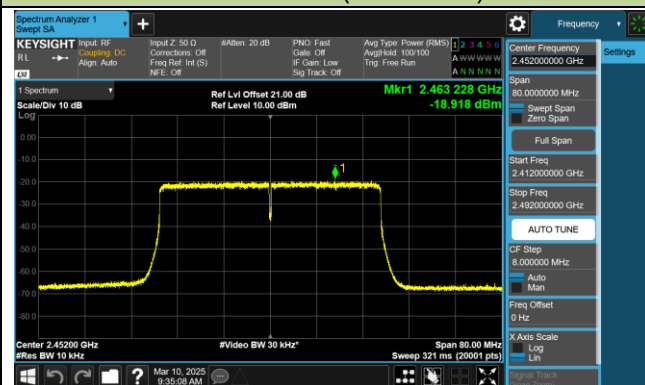
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



7.5. Conducted Band Edge and Out-of-Band Emissions

7.5.1. Test Limit

The limit for out-of-band spurious emissions at the band edge is 30dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100 kHz bandwidth per the PSD procedure.

7.5.2. Test Procedure Used

ANSI C63.10 - 2013 Section 11.11

7.5.3. Test Setting

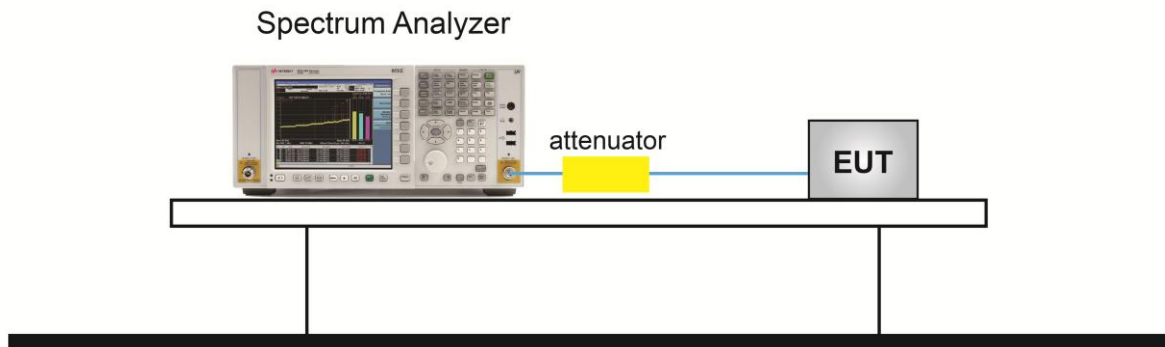
Reference level measurement

1. Set instrument center frequency to DTS channel center frequency
2. Set the span to ≥ 1.5 times the DTS bandwidth
3. Set the RBW = 100 kHz
4. Set the VBW $\geq 3 \times$ RBW
5. Detector = peak
6. Sweep time = auto couple
7. Trace mode = max hold
8. Allow trace to fully stabilize

Emission level measurement

1. Set the center frequency and span to encompass frequency range to be measured
2. RBW = 100kHz
3. VBW = 300kHz
4. Detector = Peak
5. Trace mode = max hold
6. Sweep time = auto couple
7. The trace was allowed to stabilize

7.5.4. Test Setup



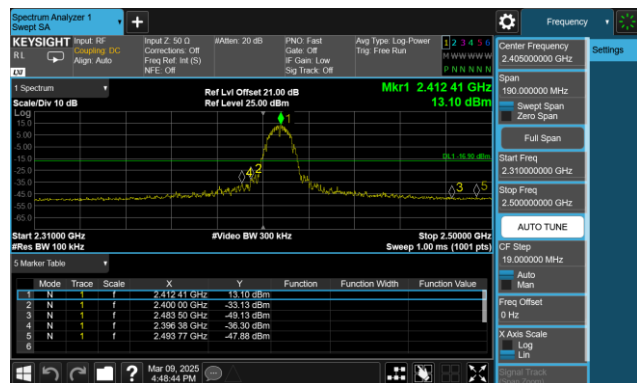
7.5.5. Test Result

Product	BE3600 Wi-Fi 7 Portable Router	Temperature	25°C
Test Engineer	Marvin	Relative Humidity	54%
Test Site	SR6	Test Date	2025/3/9

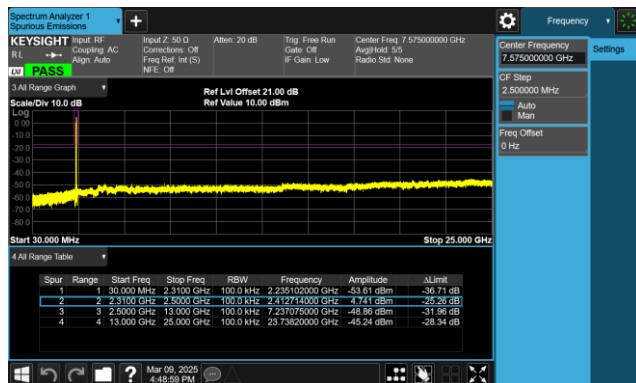
Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	Limit (dBc)	Result
802.11b	1Mbps	01	2412	30	Pass
802.11b	1Mbps	06	2437	30	Pass
802.11b	1Mbps	11	2462	30	Pass
802.11g	6Mbps	01	2412	30	Pass
802.11g	6Mbps	06	2437	30	Pass
802.11g	6Mbps	11	2462	30	Pass
802.11n-HT20	MCS0	01	2412	30	Pass
802.11n-HT20	MCS0	06	2437	30	Pass
802.11n-HT20	MCS0	11	2462	30	Pass
802.11n-HT40	MCS0	03	2422	30	Pass
802.11n-HT40	MCS0	06	2437	30	Pass
802.11n-HT40	MCS0	09	2452	30	Pass
802.11ax-HE20	MCS0	01	2412	30	Pass
802.11ax-HE20	MCS0	06	2437	30	Pass
802.11ax-HE20	MCS0	11	2462	30	Pass
802.11ax-HE40	MCS0	03	2422	30	Pass
802.11ax-HE40	MCS0	06	2437	30	Pass
802.11ax-HE40	MCS0	09	2452	30	Pass
802.11be-EHT20	MCS0	01	2412	30	Pass
802.11be-EHT20	MCS0	06	2437	30	Pass
802.11be-EHT20	MCS0	11	2462	30	Pass
802.11be-EHT40	MCS0	03	2422	30	Pass
802.11be-EHT40	MCS0	06	2437	30	Pass
802.11be-EHT40	MCS0	09	2452	30	Pass

Ant 0

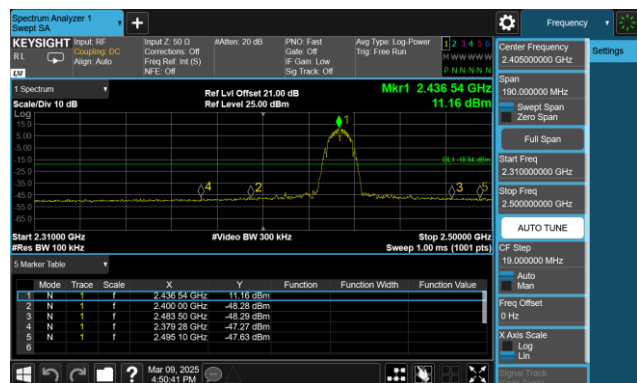
802.11 b CH01 (2412MHz)



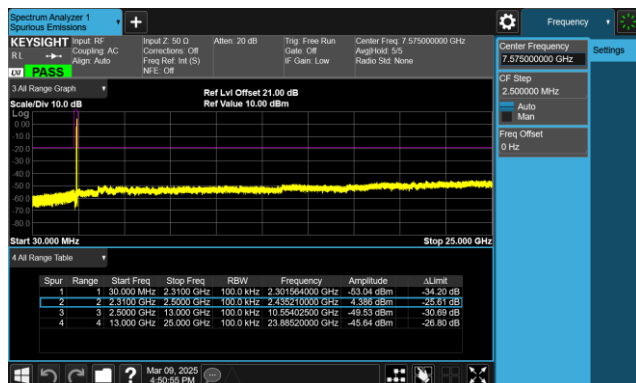
802.11 b CH01 (2412MHz)



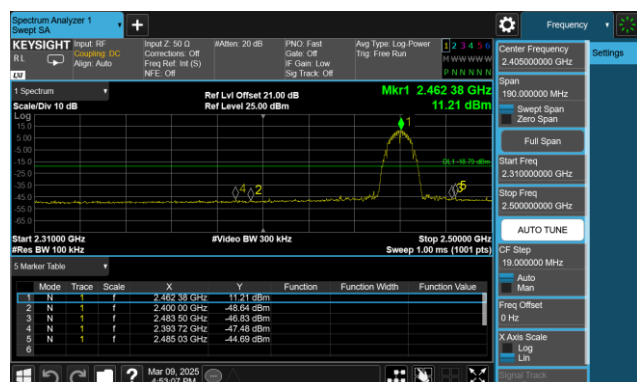
802.11 b CH06 (2437MHz)



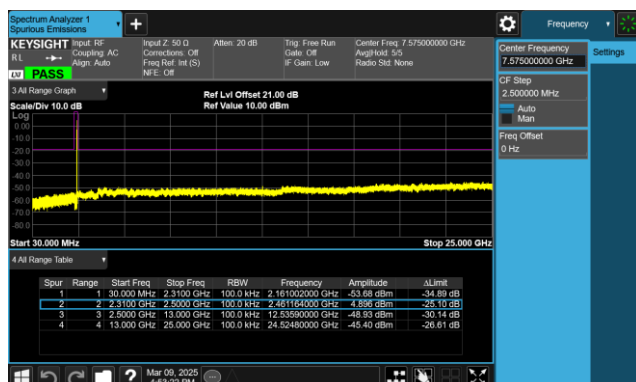
802.11 b CH06 (2437MHz)

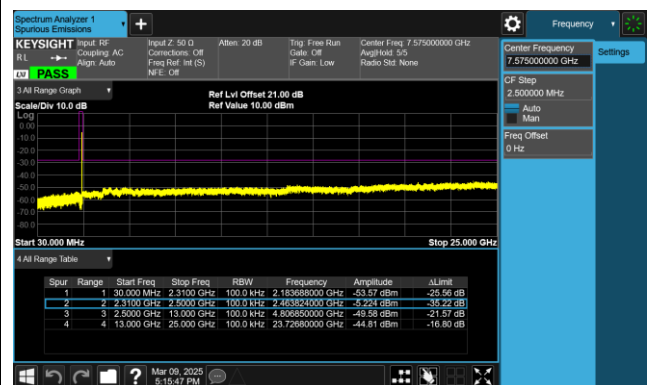


802.11 b CH11 (2462MHz)



802.11 b CH11 (2462MHz)

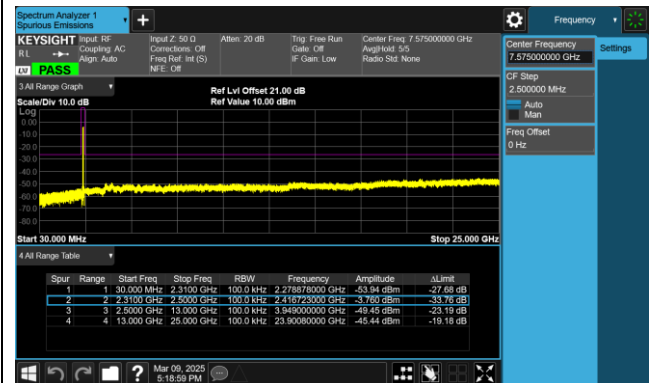




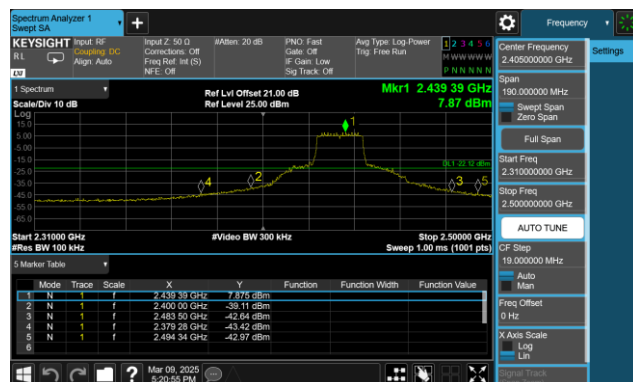
802.11 n40 CH03 (2422MHz)



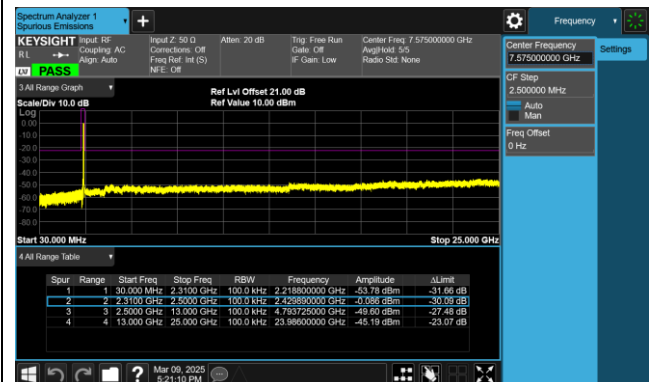
802.11 n40 CH03 (2422MHz)



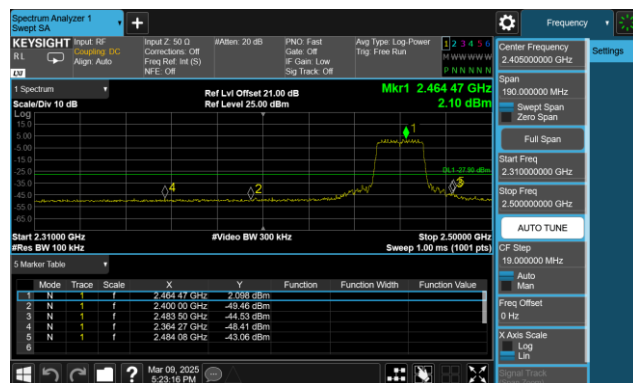
802.11 n40 CH06 (2437MHz)



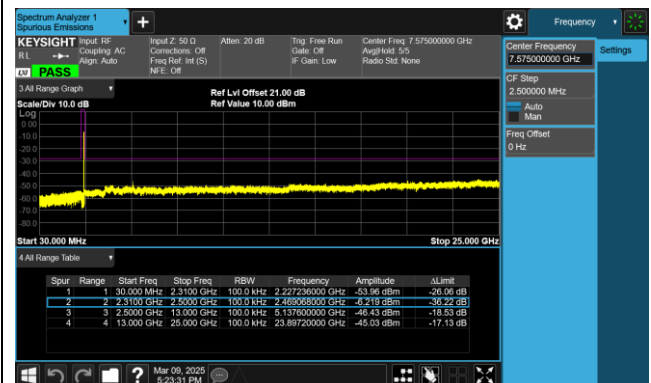
802.11 n40 CH06 (2437MHz)



802.11 n40 CH09 (2452MHz)



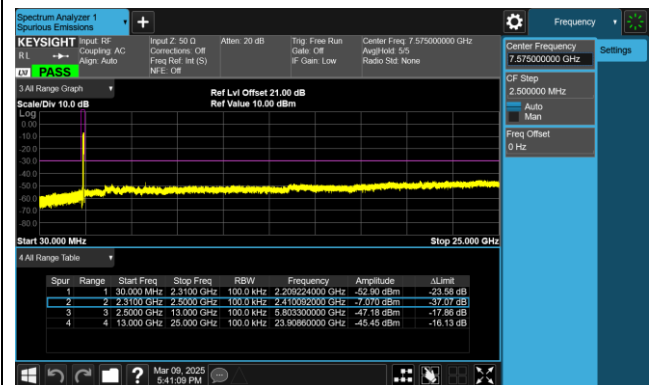
802.11 n40 CH09 (2452MHz)



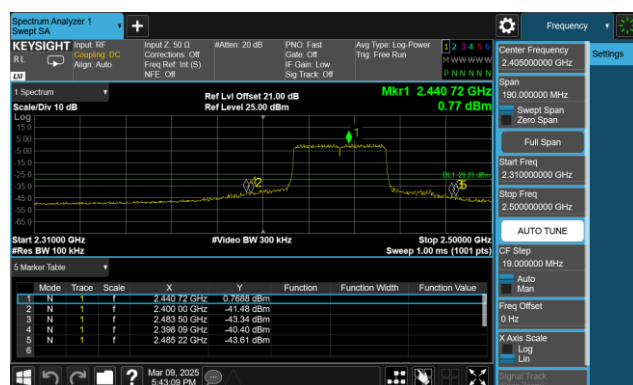
802.11 ax20 CH01 (2412MHz)



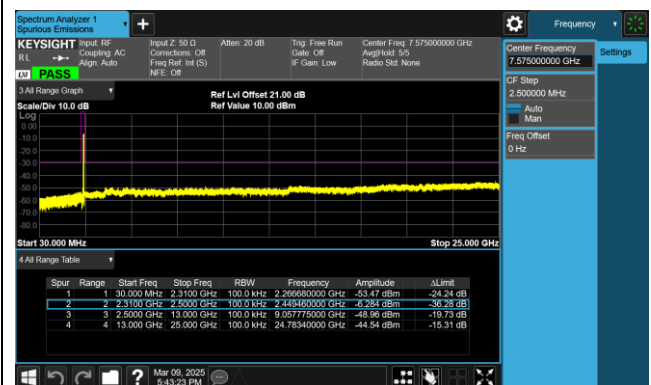
802.11 ax20 CH01 (2412MHz)



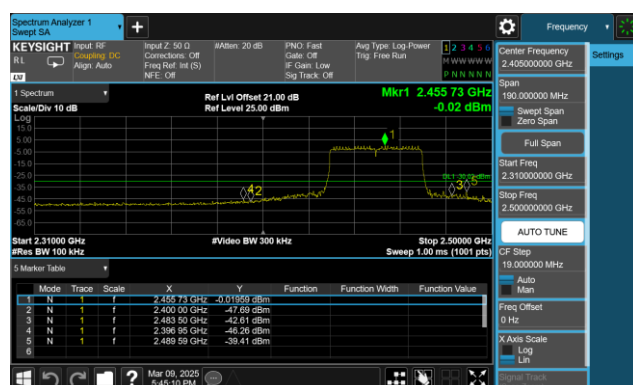
802.11 ax20 CH06 (2437MHz)



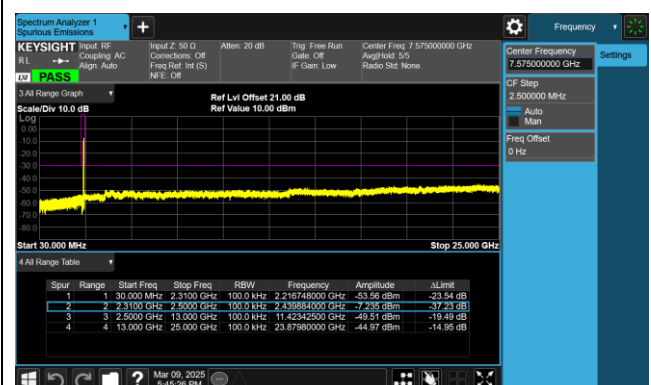
802.11 ax20 CH06 (2437MHz)



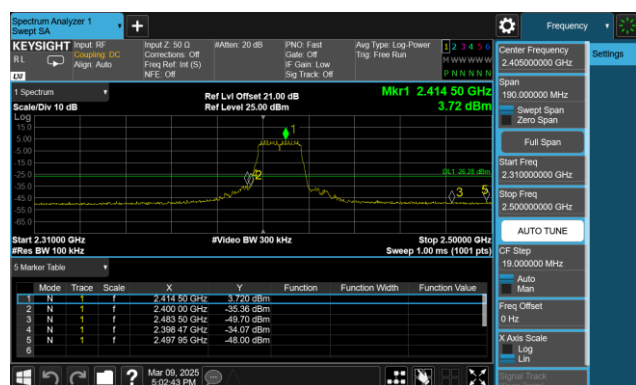
802.11 ax20 CH11 (2462MHz)



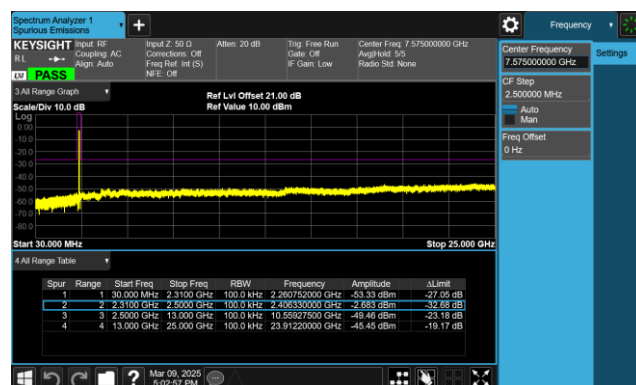
802.11 ax20 CH11 (2462MHz)



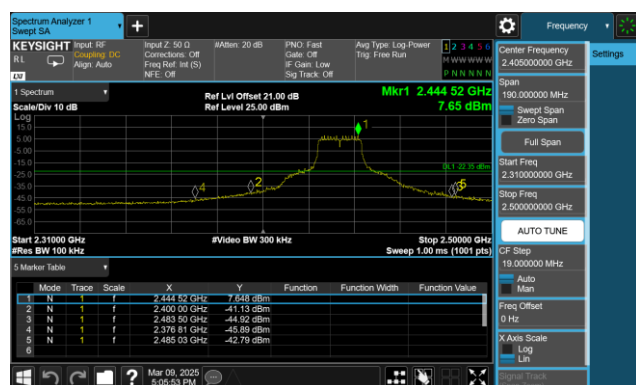
802.11 ax40 CH03 (2422MHz)



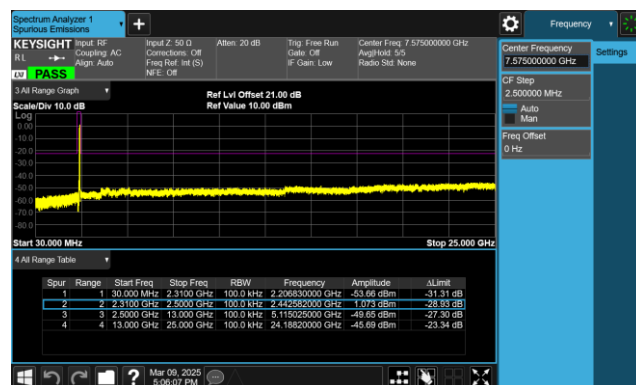
802.11 ax40 CH03 (2422MHz)



802.11 ax40 CH06 (2437MHz)



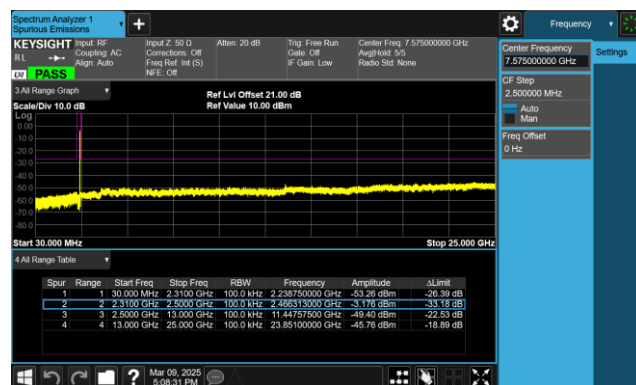
802.11 ax40 CH06 (2437MHz)



802.11 ax40 CH09 (2452MHz)



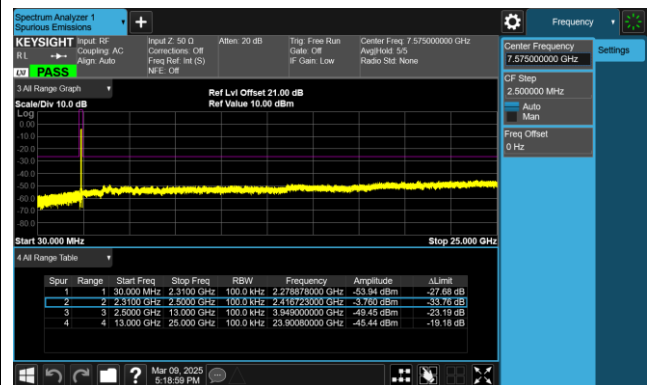
802.11 ax40 CH09 (2452MHz)



802.11be20 CH01 (2412MHz)



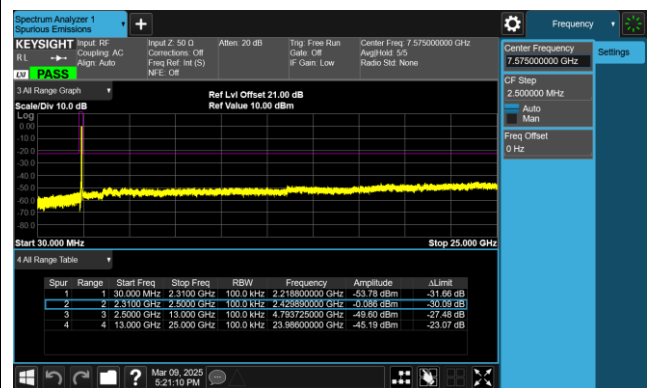
802.11be20 CH01 (2412MHz)



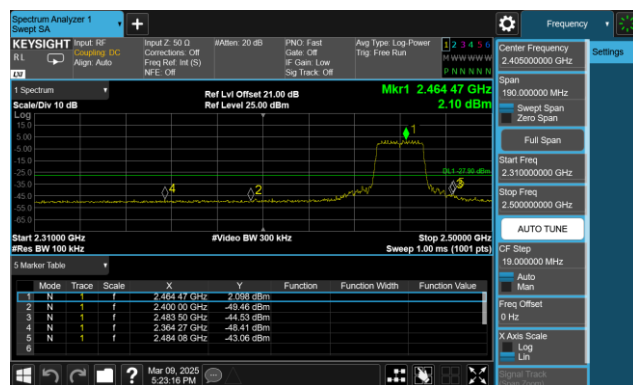
802.11be20 CH06 (2437MHz)



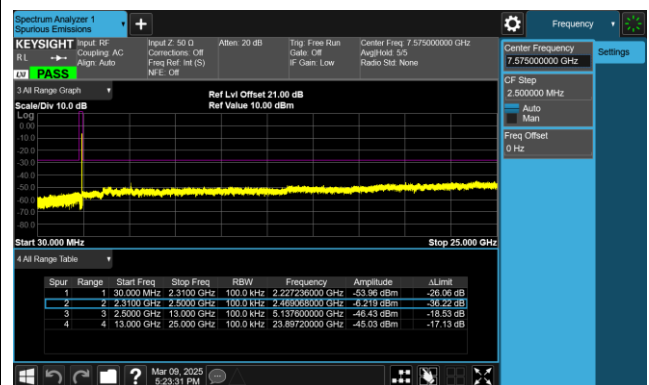
802.11be20 CH06 (2437MHz)



802.11be20 CH11 (2462MHz)



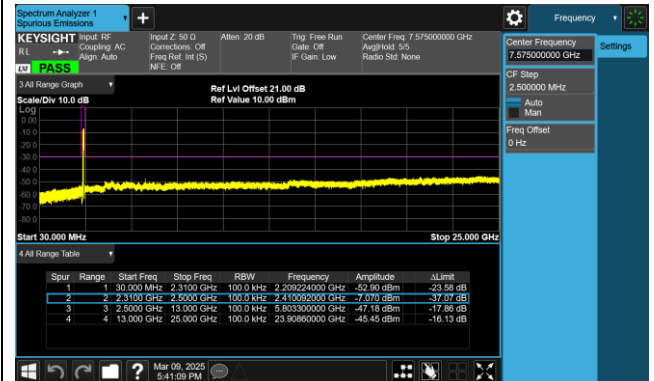
802.11be20 CH11 (2462MHz)



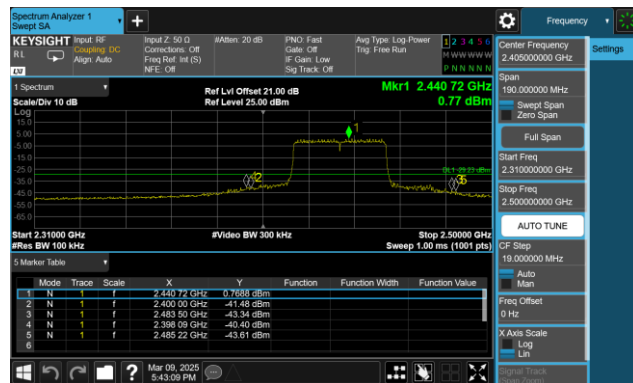
802.11be40 CH03 (2422MHz)



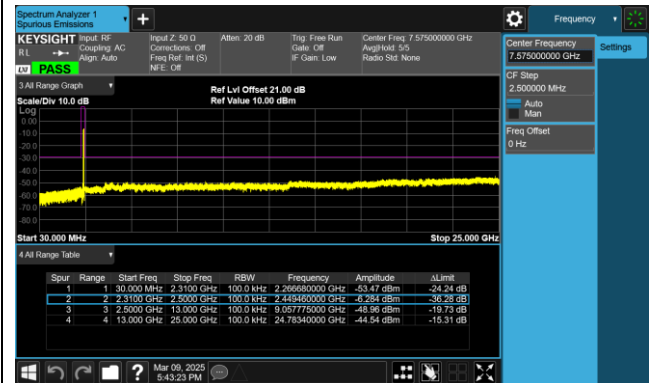
802.11be40 CH03 (2422MHz)



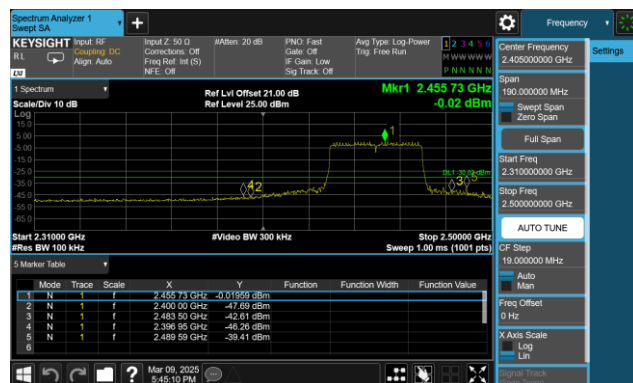
802.11be40 CH06 (2437MHz)



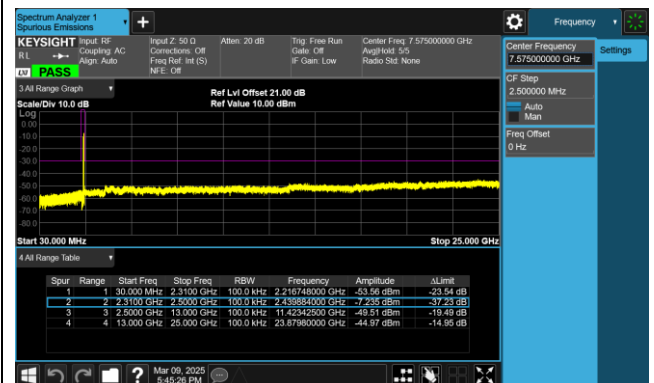
802.11be40 CH06 (2437MHz)



802.11be40 CH09 (2452MHz)

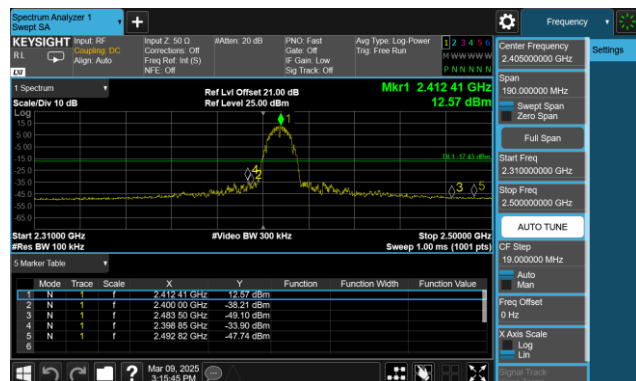


802.11be40 CH09 (2452MHz)

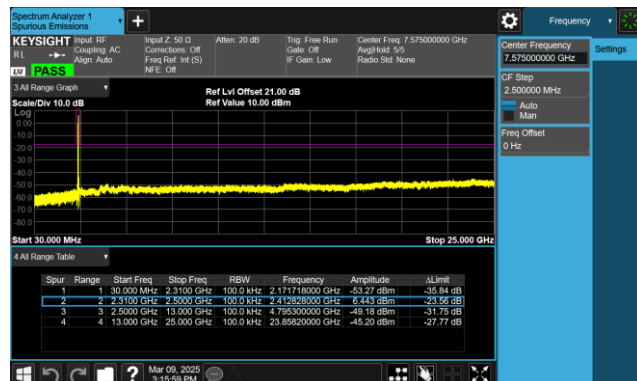


Ant 1

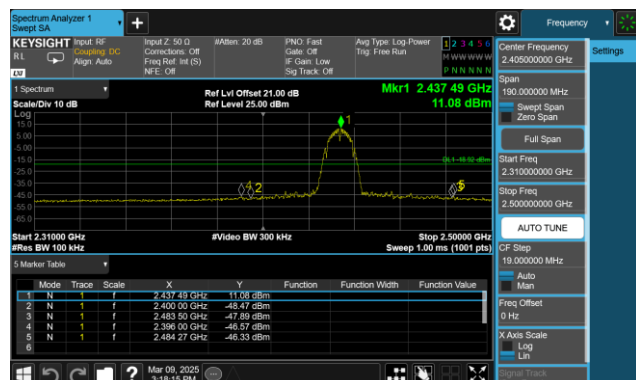
802.11 b CH01 (2412MHz)



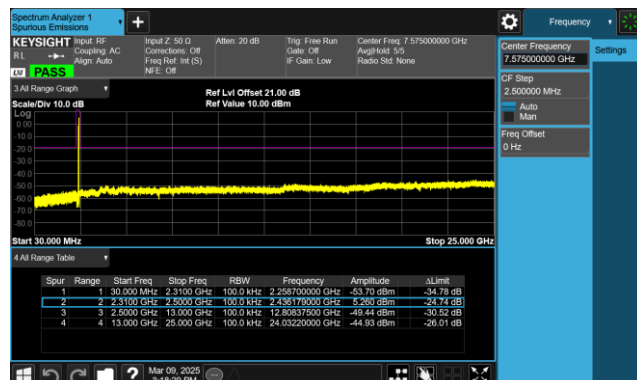
802.11 b CH01 (2412MHz)



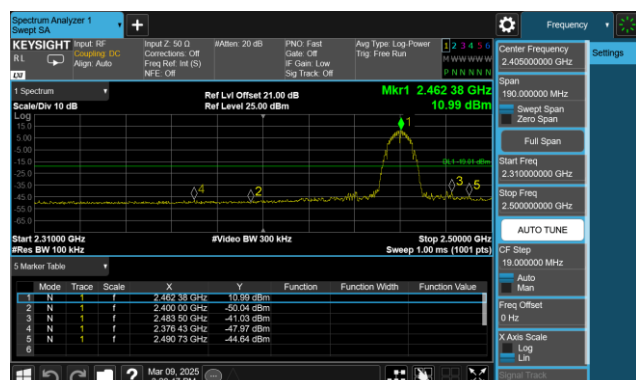
802.11 b CH06 (2437MHz)



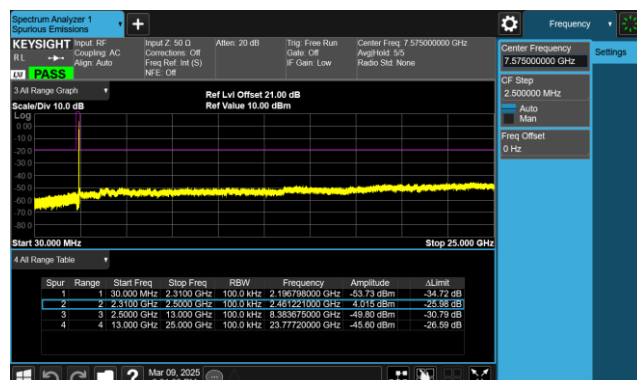
802.11 b CH06 (2437MHz)



802.11 b CH11 (2462MHz)



802.11 b CH11 (2462MHz)



Keysight Spectrum Analyzer 1
 Sweep SA

Input: RF Input, RF Output, DC Output, RF Input, RF Output, DC Output

Settings: Input Z: 50 Ω , #AAtt: 20 dB, PNO: Fast Gate, Off, Corr: Off, Z: Span: Low, Sig: Track: Off

Frequency: 2.41697 GHz, 2.41697 GHz, 4.65 dBm

Scale/Div 10 dB

Start 2.31000 GHz, #Res BW 100 kHz, #Video BW 300 kHz, Stop 2.50000 GHz, Sweep 1.00 ms (1001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	2.41697 GHz	4.653 dBm			
2	N	1	2.40000 GHz	-31.0 dBm			
3	N	1	2.48350 GHz	-49.12 dBm			
4	N	1	2.39780 GHz	-29.47 dBm			
5	N	1	2.48940 GHz	-48.22 dBm			

The screenshot displays the Keysight Spectrum Analyzer 1 software interface. The main window shows a frequency spectrum plot with a yellow trace. The plot is set to a 4 All Range table, showing a range from 30.500 MHz to 25.000 GHz. The plot has a scale of 10.0 dB and a resolution bandwidth (RBW) of 10.0 dBm. The plot shows a noisy baseline with a prominent peak at approximately 30.500 MHz.

Key parameters and settings visible in the interface include:

- Input:** RF, Copied AC, Auto Auto
- Input Z:** 50 Ohm
- Attenuation:** 20 dB
- Corrections:** Off
- Pre Ref:** Off
- IF Gain:** Low
- Center Freq:** 7.575000000 GHz
- Span:** 50
- Power Stat:** None
- Center Frequency:** 7.575000000 GHz
- CF Step:** 2.500000 MHz
- Auto Man:** Auto
- Freq Offset:** 0 Hz
- Scale/Div:** 10.0 dB
- Ref Lvl Offset:** 21.00 dB
- Ref Value:** 10.00 dBm
- Start:** 30.500 MHz
- Stop:** 25.000 GHz

A table of spurs is displayed at the bottom of the interface, showing the following data:

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	30.000 MHz	2.500 GHz	100.0 kHz	2.232940000 GHz	-23.67 dBm	-28.32 dB
2	2	2.500 GHz	2.500 GHz	100.0 kHz	2.118600000 GHz	-24.82 dBm	-28.38 dB
3	3	2.500 GHz	13.000 GHz	100.0 kHz	3.978250000 GHz	-49.23 dBm	-24.88 dB
4	4	13.000 GHz	25.000 GHz	100.0 kHz	23.93200000 GHz	-45.55 dBm	-20.20 dB

Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input RF Input DC
RL Coupling DC
Align Auto

Input Z 50 Ω IABase 20 dB
Fires Ref Int (S) NFE Off

PNO: Fast Gate Off
Sig Gain Line
Sig Track Off

Avg Type: Log Power
Trig Free Run

2.44186 GHz
H.W.W.W.W.W
P.N.N.N.N.N

Center Frequency
2.405000000 GHz

Span
190.000000 MHz

Sweep Span
Zero Span

Full Span

Start Freq
2.310000000 GHz

Stop Freq
2.500000000 GHz

AUTO TUNE

CF Step
19.000000 MHz

Auto Man

Freq Offset
0 Hz

X Axis Scale
Log

Signal Track

Scale/Div 10 dB

Log

Mkr1 2.44186 GHz
8.80 dBm

Ref Lvl Offset 21.00 dB
Ref Level 25.00 dBm

#Video BW 300 kHz

Stop 2.500000 GHz
Sweep 1.00 ms (1001 pts)

Start 2.310000 GHz
#Res BW 100 kHz

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Wdm	Function Value
1	N	f	2.44186 GHz	8.802 dBm			
2	N	f	2.40000 GHz	-35.52 dBm			
3	N	f	2.48350 GHz	-38.56 dBm			
4	N	f	2.38783 GHz	-37.64 dBm			
5	N	f	2.48579 GHz	-36.65 dBm			

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Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input RF: Coupling AC, Sign: Auto
 Input 2: 50 dB, Corrections: Off
 Freq Ref: 1st S, NFE: Off
 Att: 20 dB
 Trig: Free Run, Gate: Off, IF Gain: Low
 Center Freq: 7.575000000 GHz, AvgHold: 55, Ratio Sst: None

Center Frequency
7.575000000 GHz

Settings

CF Step
2.500000 MHz

Auto
Man

Freq Offset
0 Hz

Scale/Div 10.0 dB

Log

Ref Lvl Offset 21.00 dB
Ref Value 10.00 dBm

Start 30.000 MHz
Stop 25.000 GHz

4 All Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	3	30.000 MHz	2.3100 GHz	100.0 kHz	2.235444000 GHz	-53.83 dBm	-52.63 dB
2	3	2.3100 GHz	2.6000 GHz	100.0 kHz	2.435200000 GHz	-1.68 dBm	-26.13 dB
3	3	2.5000 GHz	13.000 GHz	100.0 kHz	2.500625000 GHz	-47.94 dBm	-26.74 dB
4	4	13.000 GHz	25.000 GHz	100.0 kHz	23.89540000 GHz	-45.20 dBm	-24.00 dB

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Spectrum Analyzer 1
KEYSIGHT Input: RF-1, Output: Analog DC, Agn: Auto
 Input Z: 50 Ω, #Att: 20.0 dB, PNO: Fast Gate, Off, Corr: Line, Sig Track: Off
 Avg Type: Log Power, Trig: Free Run
 Center Frequency: 2.405000000 GHz
 WWWWWWWW
 PNNNNNNN

Span: 190.000000 MHz
 Sweep Span: Zero Span
 Full Span
 Start Freq: 2.310000000 GHz
 Stop Freq: 2.500000000 GHz
 AUTO TUNE
 CF Step: 19.000000 MHz
 Auto: Manual
 Freq Offset: 0.0 Hz
 X Axis Scale: Log Lin
 Signal Track: On

1 Spectrum
 Scale: Div 10 dB
 Log
 15.0
 5.00
 18.0
 25.0
 35.0
 45.0
 55.0

Ref Lvl Offset 21.00 dBm
 Ref Level 25.00 dBm
 Mkr1 2.466 94 GHz
 1.94 dBm
 21.00 dBm
 20.5 dBm
 20.0 dBm
 19.5 dBm
 19.0 dBm
 18.5 dBm
 18.0 dBm
 17.5 dBm
 17.0 dBm
 16.5 dBm
 16.0 dBm
 15.5 dBm
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 8.0 dBm
 7.5 dBm
 7.0 dBm
 6.5 dBm
 6.0 dBm
 5.5 dBm
 5.0 dBm
 4.5 dBm
 4.0 dBm
 3.5 dBm
 3.0 dBm
 2.5 dBm
 2.0 dBm
 1.5 dBm
 1.0 dBm
 0.5 dBm
 0.0 dBm
 -0.5 dBm
 -1.0 dBm
 -1.5 dBm
 -2.0 dBm
 -2.5 dBm
 -3.0 dBm
 -3.5 dBm
 -4.0 dBm
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Keysight Spectrum Analyzer 1
Spurious Emissions

KEYSIGHT Input RF: Coupling AC, Sign Auto
PASS Input Z: 50 Ω, Corrections: Off, Freq Ref: 1st (S), NFI: Off
 Att: 20 dB, Trig: Free Run, Gate: Off, IF Gain: Low
 Center Freq: 7.575000000 GHz, AvgHold: 5s, Resolv Sst: None

Center Frequency
7.575000000 GHz

CF Step
2.500000 MHz

Auto (selected), **Man**

Freq Offset
0 Hz

Scale/Div 10.0 dB
Log
 9.00, 10.0, 20.0, 30.0, 40.0, 50.0, 60.0, 70.0

Ref Lvl Offset 21.00 dB
Ref Value 10.00 dBm

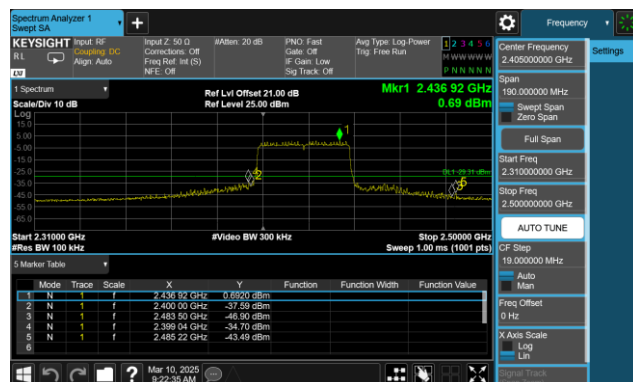
Start 30.000 MHz
Stop 25.000 GHz

4 All Range Table

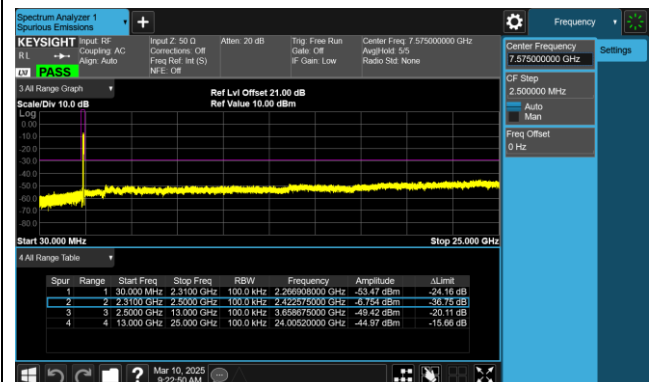
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	30.000 MHz	2.3100 GHz	100.000 kHz	2.250030000 GHz	-53.53 dBm	-25.46 dB
2	2	2.3100 GHz	2.5000 GHz	100.000 kHz	2.458111000 GHz	-39.23 dBm	-36.23 dB
3	3	2.5000 GHz	13.000 GHz	100.000 kHz	4.804225000 GHz	-48.30 dBm	-21.29 dB
4	4	13.000 GHz	25.000 GHz	100.000 kHz	24.010000000 GHz	-44.79 dBm	-16.72 dB

Windows taskbar: Nov 09, 2025 4:17:32 PM

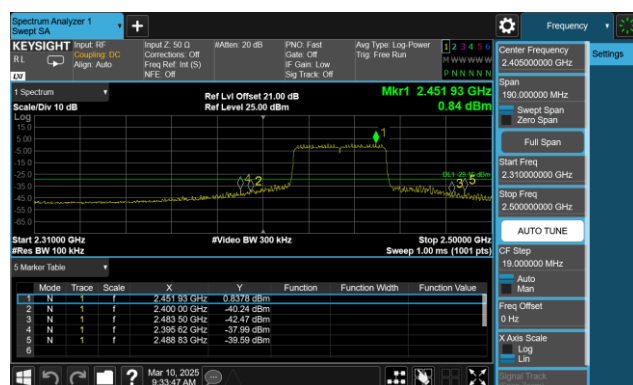
802.11 n20 CH01 (2412MHz)



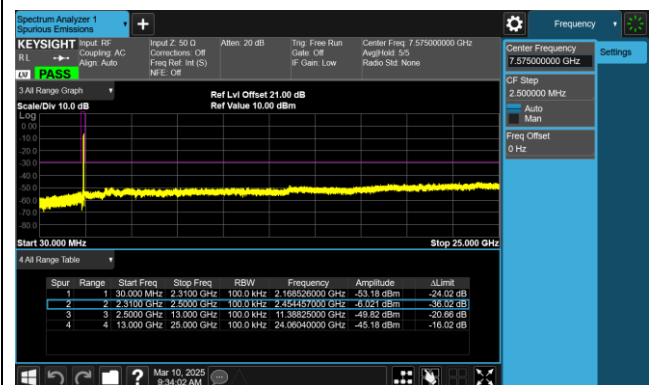
802.11 n20 CH01 (2412MHz)



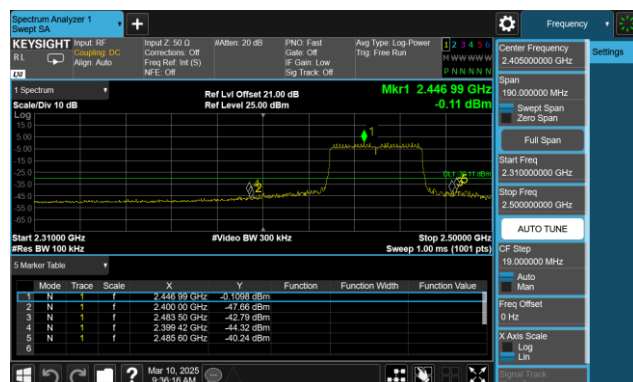
802.11 n20 CH06 (2437MHz)



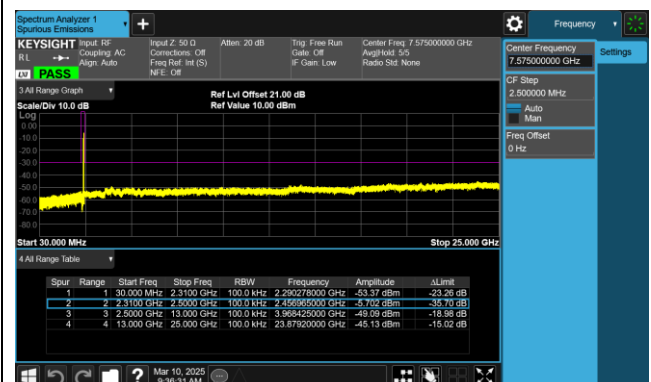
802.11 n20 CH06 (2437MHz)



802.11 n20 CH11 (2462MHz)



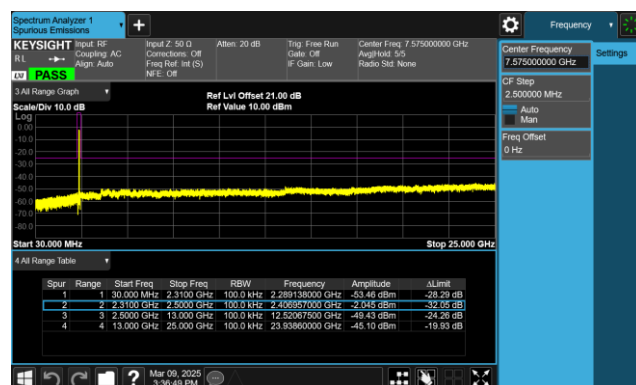
802.11 n20 CH11 (2462MHz)



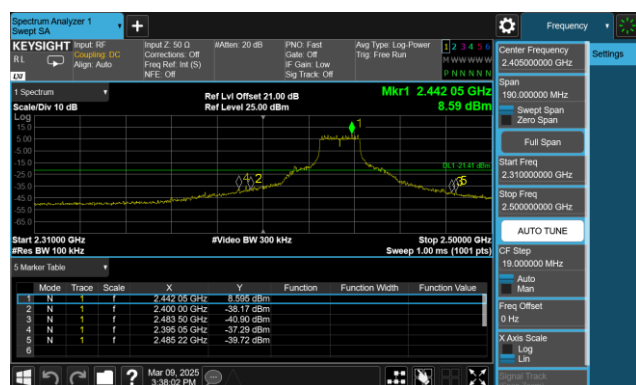
802.11 n40 CH03 (2422MHz)



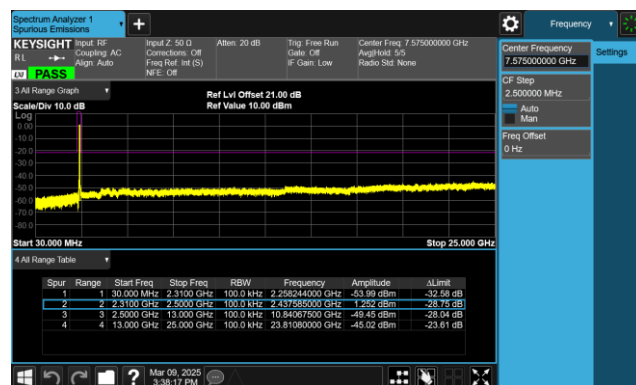
802.11 n40 CH03 (2422MHz)



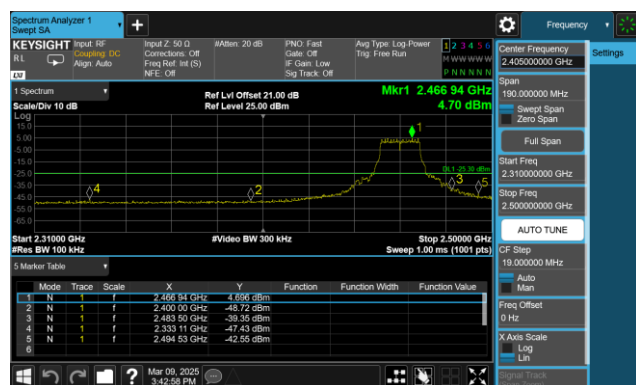
802.11 n40 CH06 (2437MHz)



802.11 n40 CH06 (2437MHz)



802.11 n40 CH09 (2452MHz)



802.11 n40 CH09 (2452MHz)

