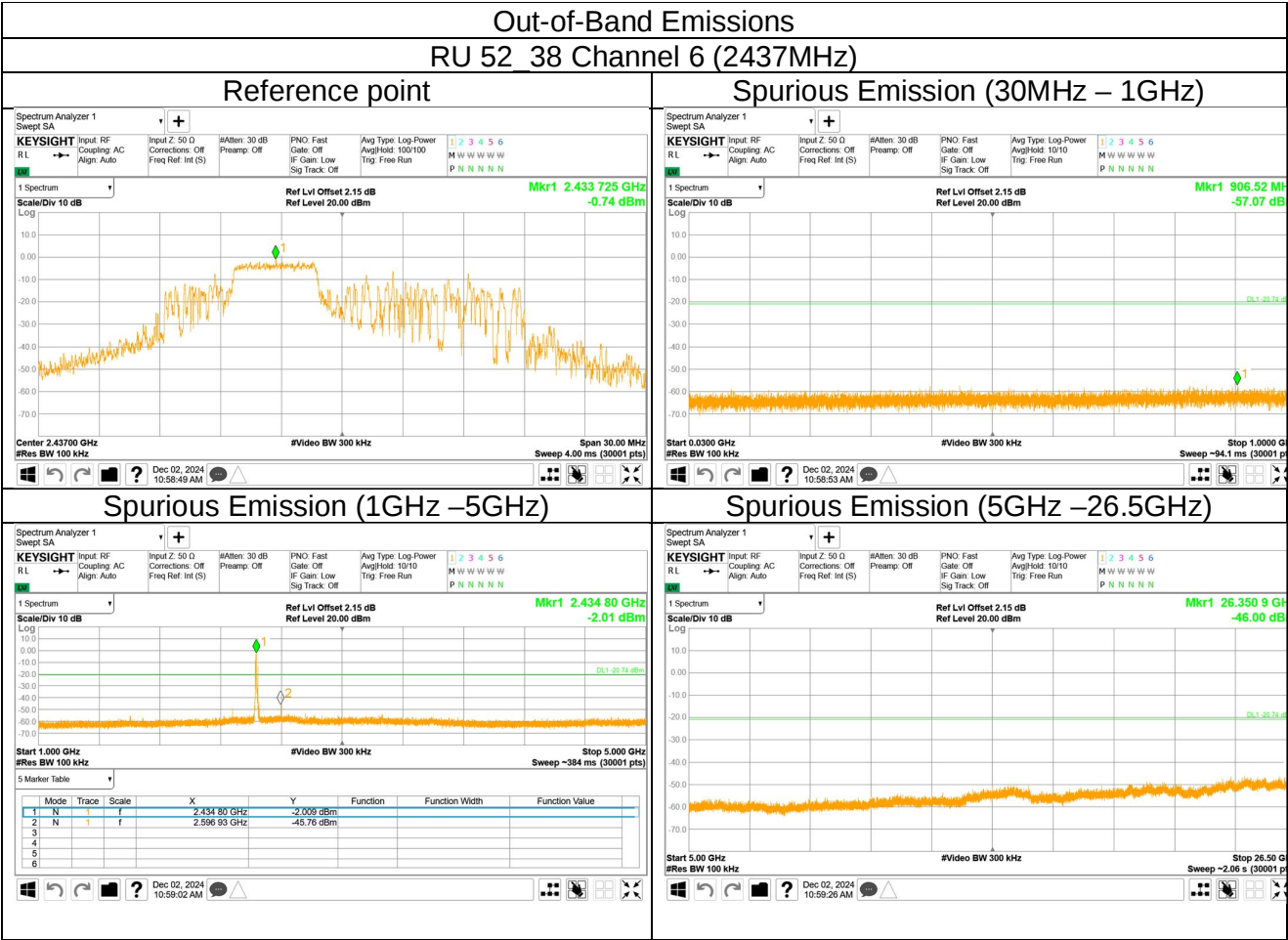
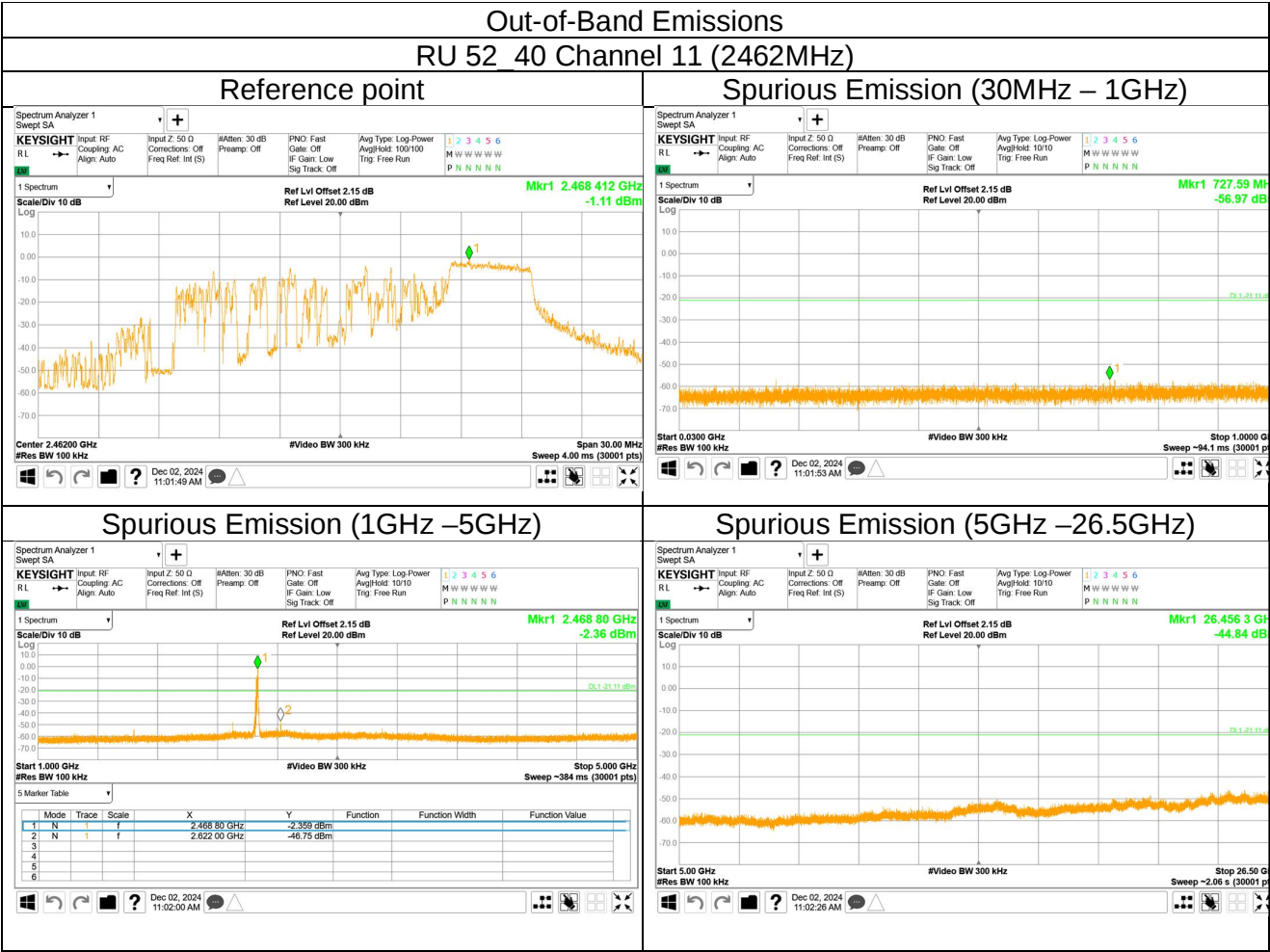








802.11 ax HE20

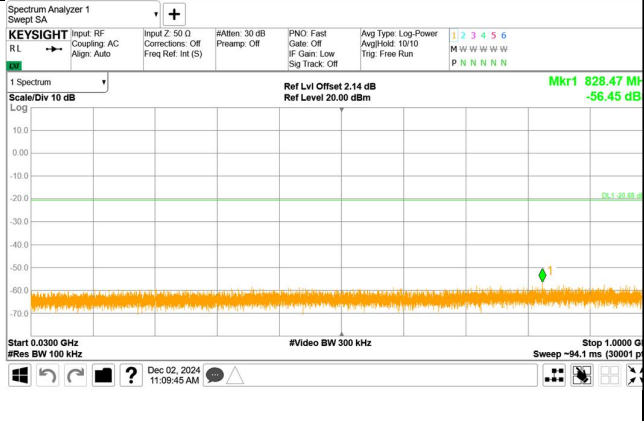
Out-of-Band Emissions

RU 106_53 Channel 1 (2412MHz)

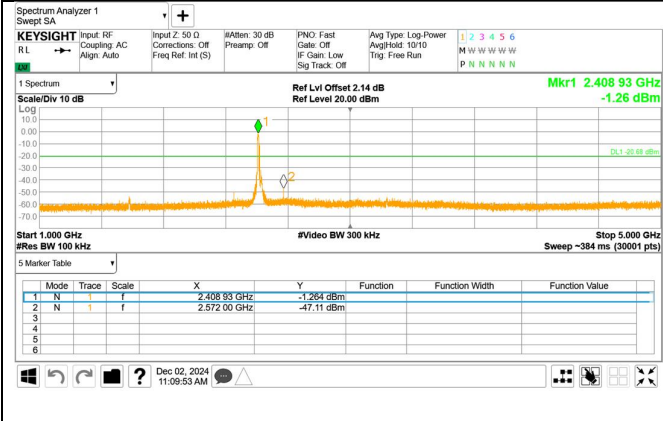
Reference point



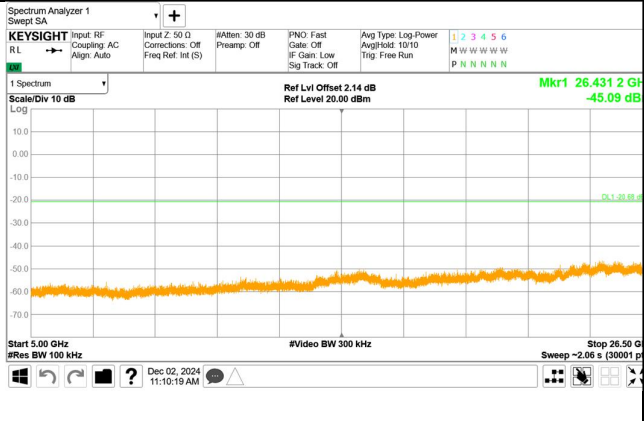
Spurious Emission (30MHz – 1GHz)

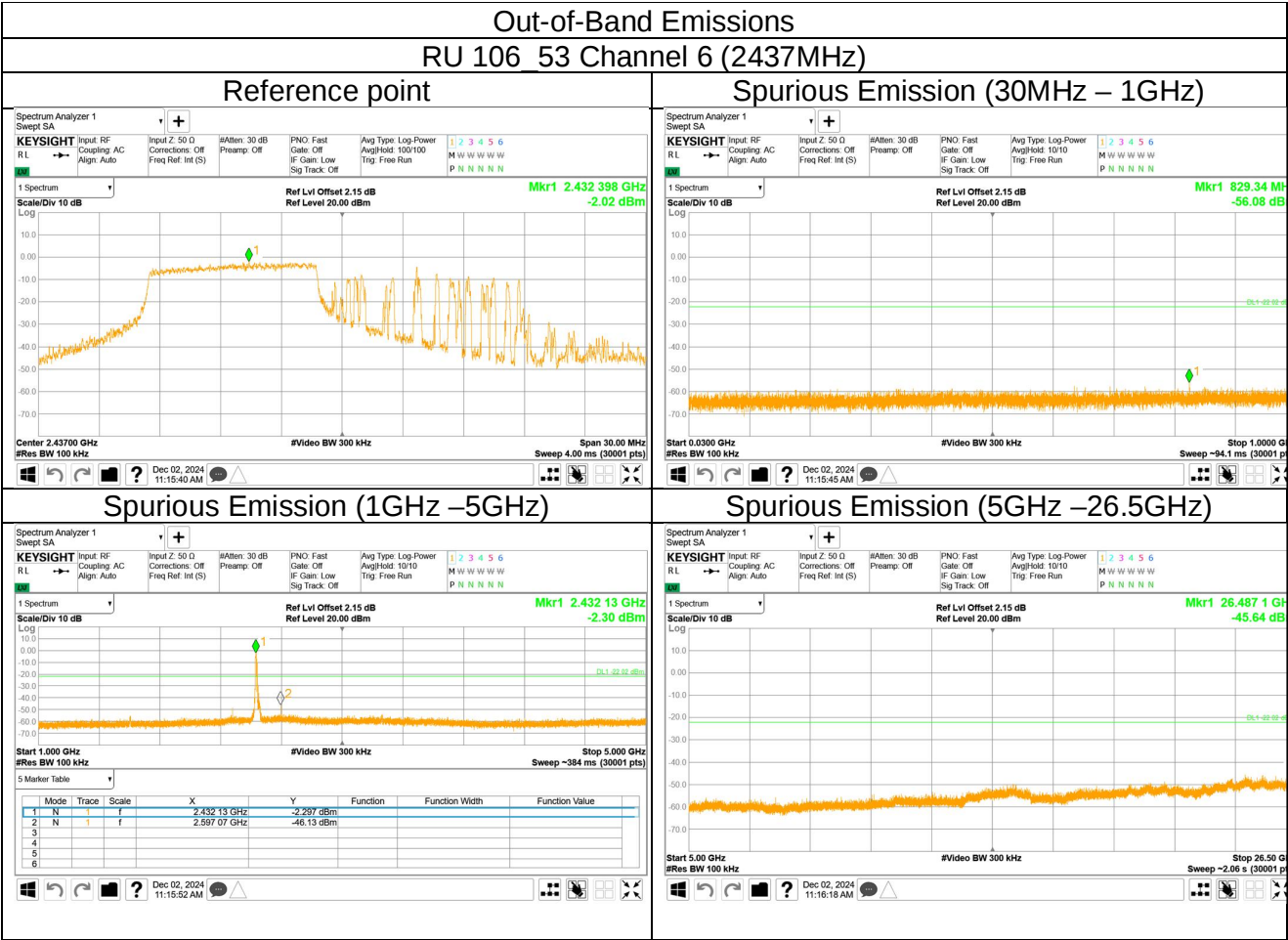


Spurious Emission (1GHz –5GHz)



Spurious Emission (5GHz –26.5GHz)





Spurious Emission (1GHz –5GHz)

Spurious Emission (5GHz –26.5GHz)

Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input: RF
Coupling: AC
Align: Auto

Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)

#Atten: 30 dB
Preamp: Off

PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off

Avg Type: Log-Power
Ave/Hold: 10/10
Trig: Free Run

1 2 3 4 5 6
M W W W W W
P N N N N N

1 Spectrum
Scale/Div 10 dB
Log

Ref Lvl Offset 2.15 dB
Ref Level 20.00 dBm

Mkr1 2.432 13 GHz
-2.30 dBm

Start 1.000 GHz
#Res BW 100 kHz

#Video BW 300 kHz

Stop 5.000 GHz
Sweep ~384 ms (30001 pts)

Dec 02, 2024 11:15:52 AM

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	f	2.432 13 GHz	-2.297 dBm			
2	N	f	2.597 07 GHz	-46.13 dBm			
3							
4							
5							
6							

Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input: RF
Coupling: AC
Align: Auto

Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)

#Atten: 30 dB
Preamp: Off

PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off

Avg Type: Log-Power
Ave/Hold: 10/10
Trig: Free Run

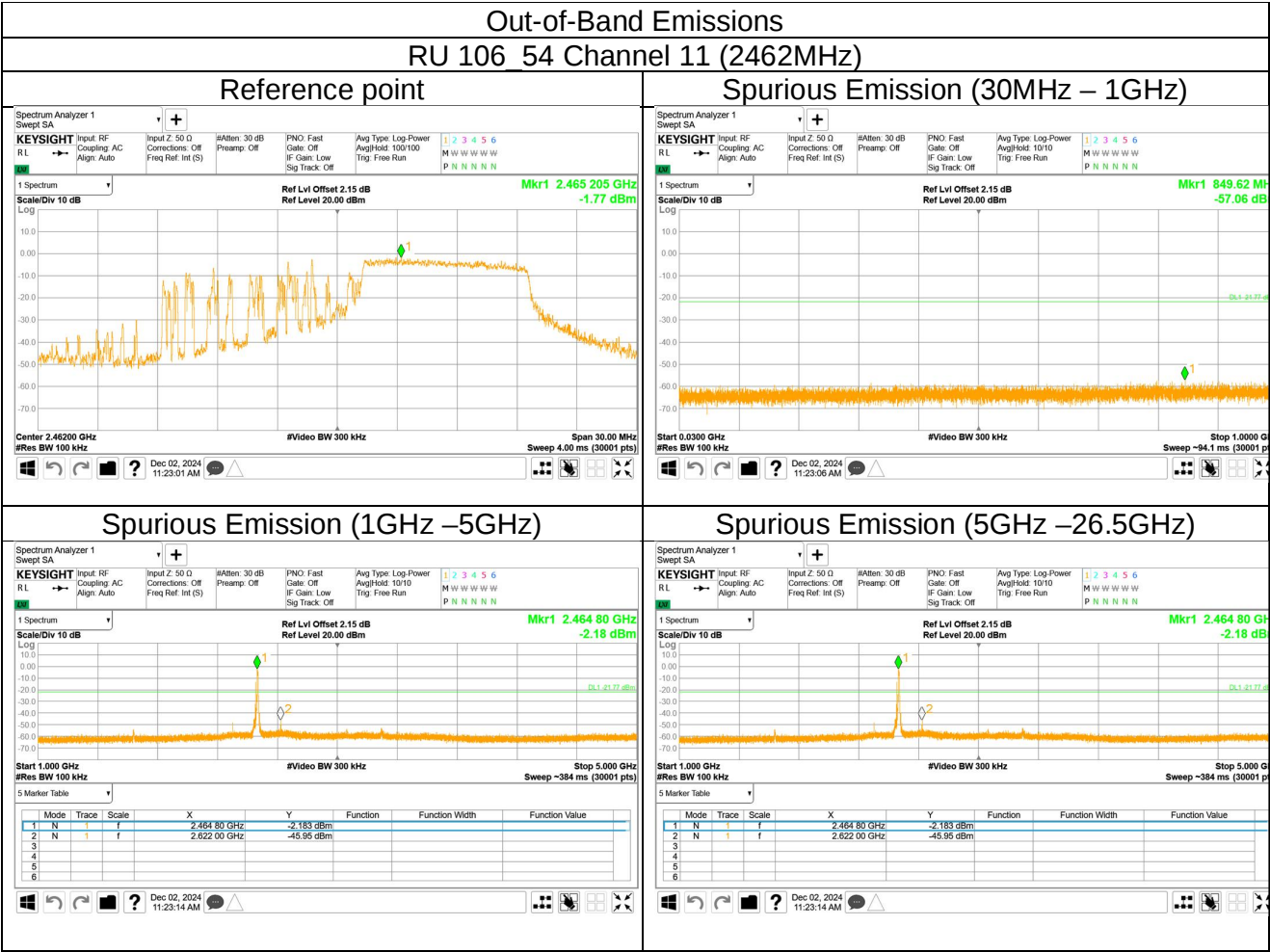
1 2 3 4 5 6
M W W W W W
P N N N N N

1 Spectrum
Scale/Div 10 dB
LogRef Lvl Offset 2.15 dB
Ref Level 20.00 dBmMkr1 26.487 1 GHz
-45.64 dBStart 5.00 GHz
#Res BW 100 kHz

#Video BW 300 kHz

Stop 26.50 GHz
Sweep ~2.06 s (30001 pts)

Dec 02, 2024 11:16:18 AM



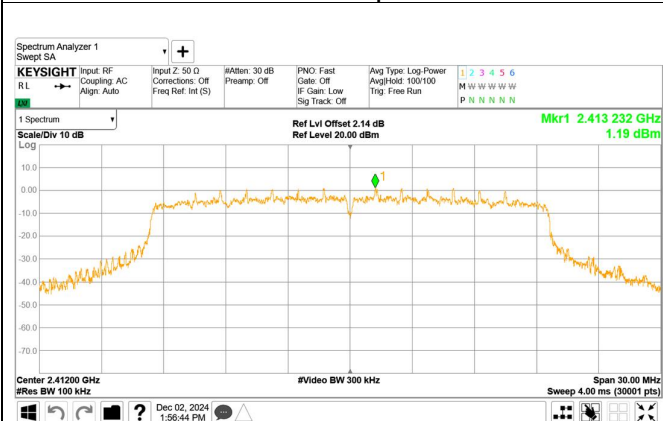


802.11 ax HE20

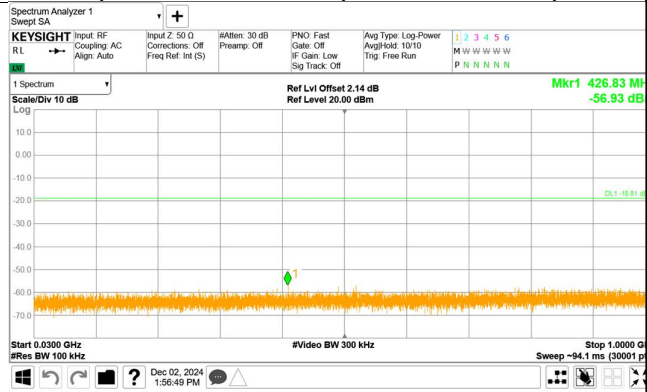
Out-of-Band Emissions

RU 242_61 Channel 1 (2412MHz)

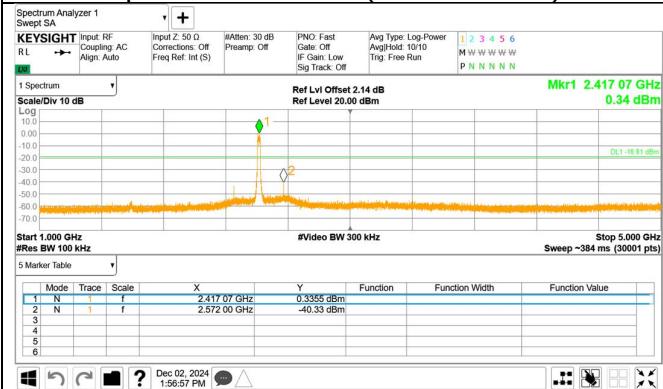
Reference point



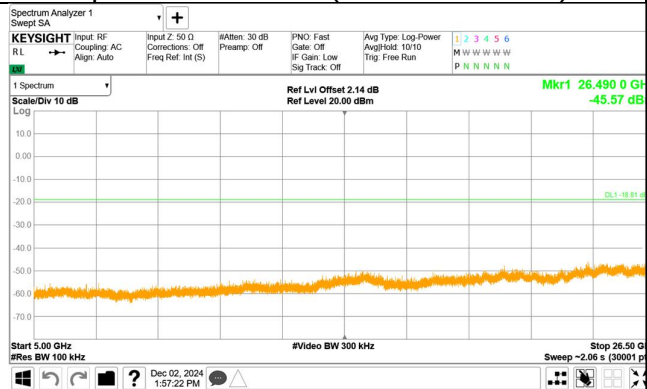
Spurious Emission (30MHz – 1GHz)

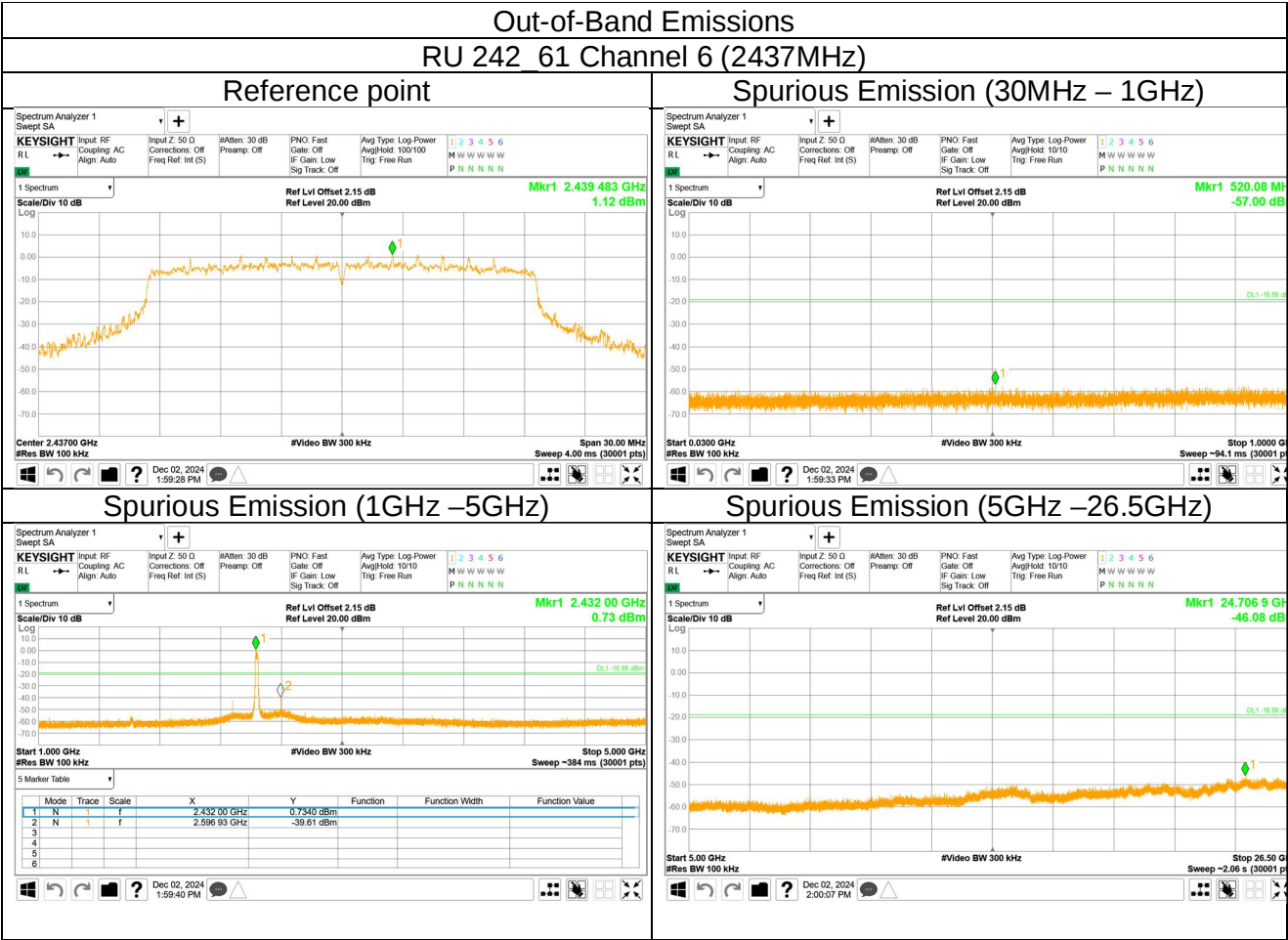


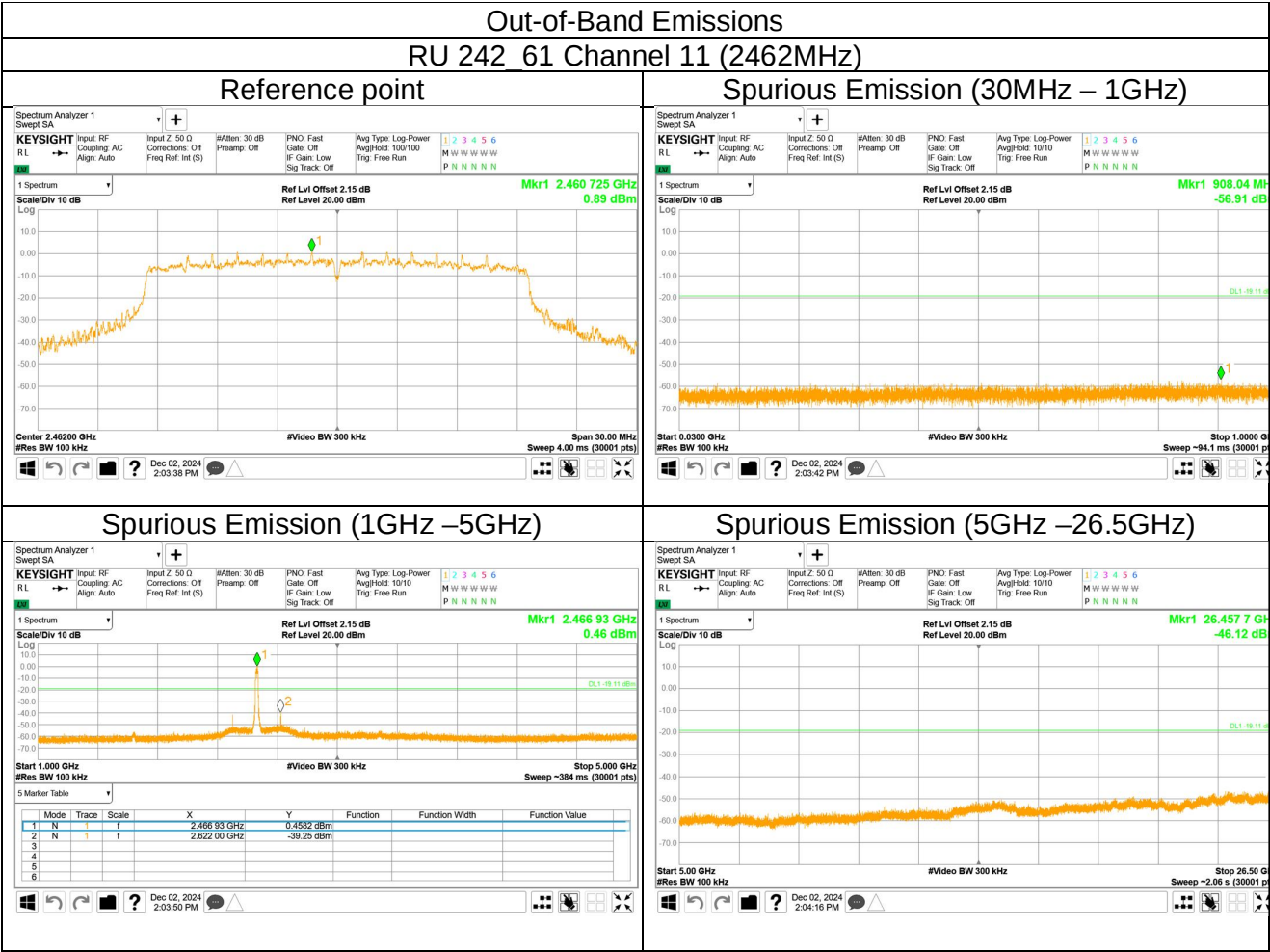
Spurious Emission (1GHz –5GHz)



Spurious Emission (5GHz –26.5GHz)

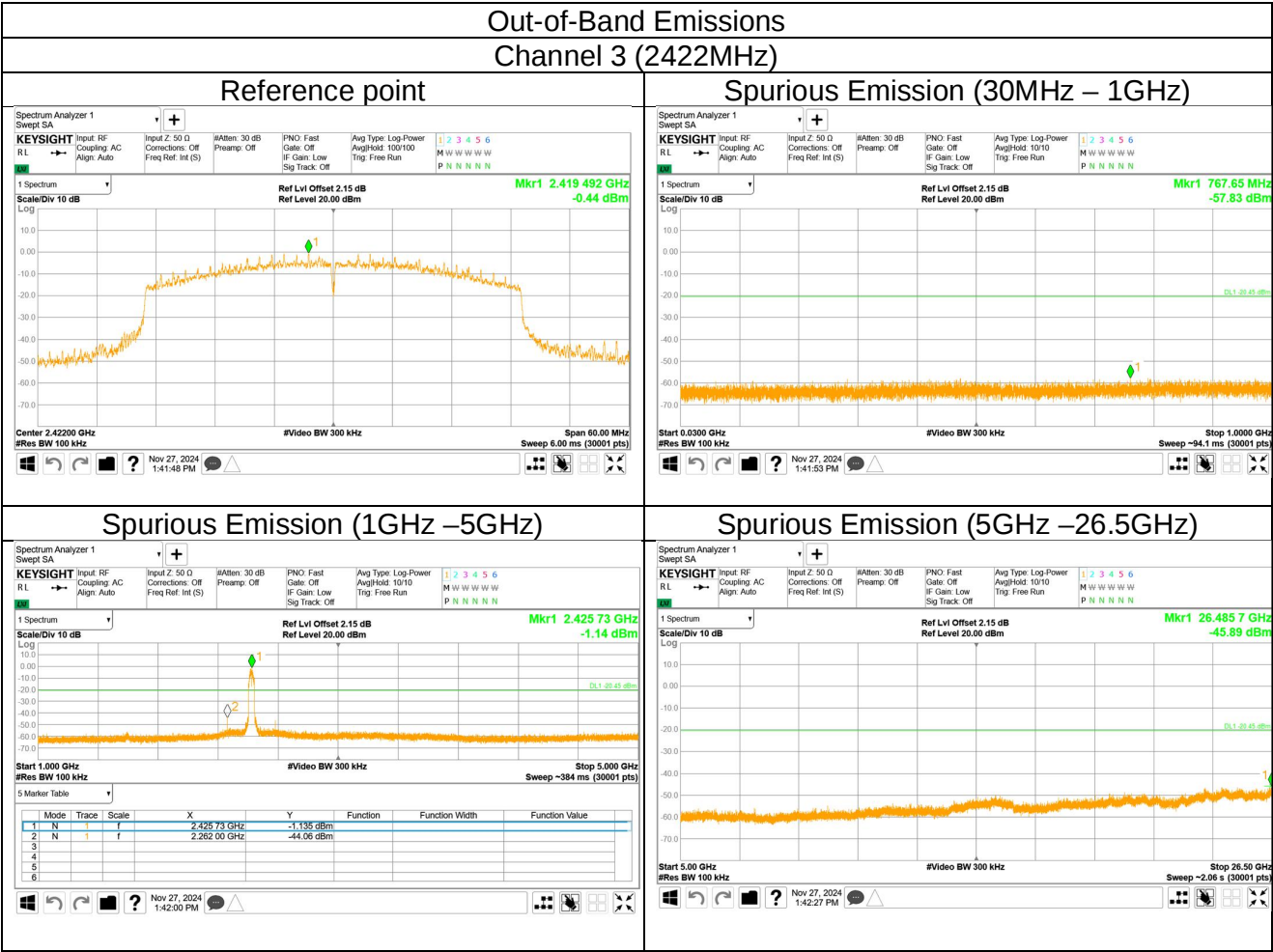


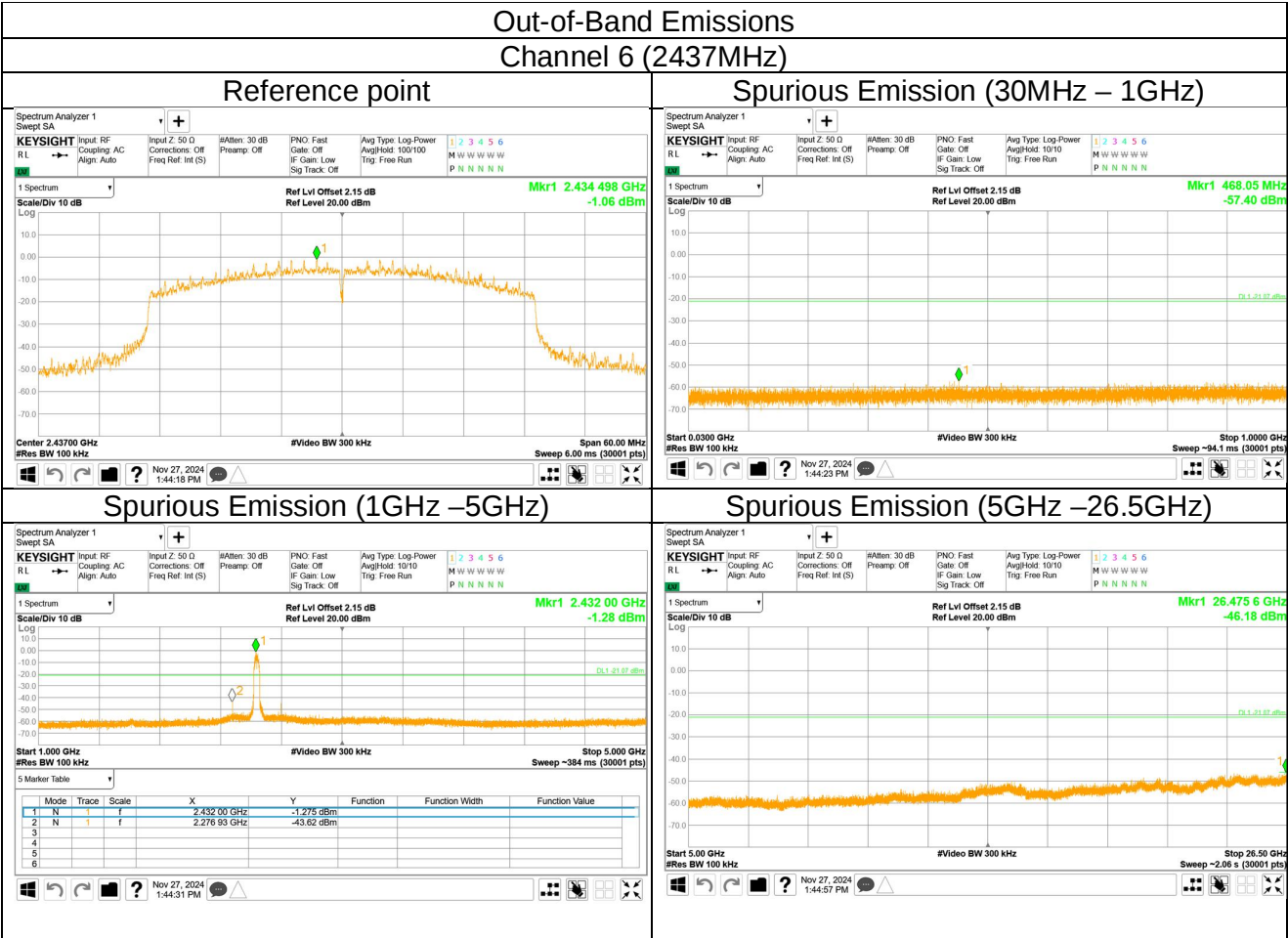


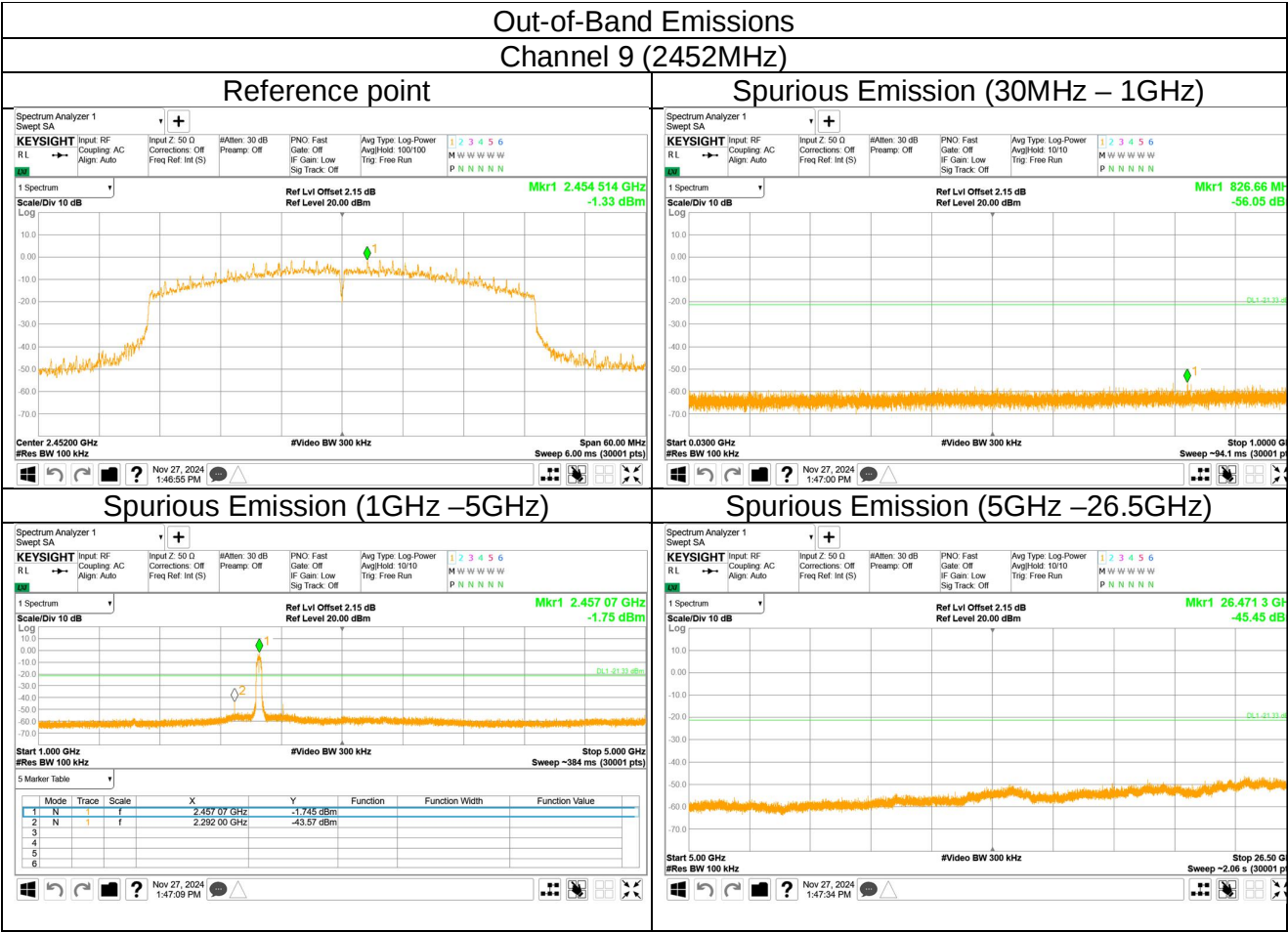




802.11 ax HE40
Out-of-Band Emissions
Channel 3 (2422MHz)







Spurious Emission (1GHz –5GHz)

Spurious Emission (5GHz –26.5GHz)

Spectrum Analyzer 1

Sweep SA

KEYSIGHT

Input: RF

Coupling: AC

Align: Auto

Input Z: 50 Ω

Corrections: Off

Freq Ref: Int (S)

#Atten: 30 dB

Preamp: Off

PNO: Fast

Gate: Off

IF Gain: Low

Sig Track: Off

Avg Type: Log-Power

Avghold: 10/10

Trig: Free Run

1 2 3 4 5 6

M W W W W W

P N N N N N

1 Spectrum

Scale/Div 10 dB

Log

Ref Lvl Offset 2.15 dB

Ref Level 20.00 dBm

Mkr1 2.457 07 GHz

-1.75 dBm

Start 1.000 GHz

#Res BW 100 kHz

#Video BW 300 kHz

Stop 5.000 GHz

Sweep ~384 ms (30001 pts)

Nov 27, 2024 1:47:08 PM

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	f	2.457 07 GHz	-1.745 dBm			
2	N	f	2.292 00 GHz	-43.57 dBm			
3							
4							
5							
6							

Spectrum Analyzer 1

Sweep SA

KEYSIGHT

Input: RF

Coupling: AC

Align: Auto

Input Z: 50 Ω

Corrections: Off

Freq Ref: Int (S)

#Atten: 30 dB

Preamp: Off

PNO: Fast

Gate: Off

IF Gain: Low

Sig Track: Off

Avg Type: Log-Power

Avghold: 10/10

Trig: Free Run

1 2 3 4 5 6

M W W W W W

P N N N N N

1 Spectrum

Scale/Div 10 dB

Log

Ref Lvl Offset 2.15 dB

Ref Level 20.00 dBm

Mkr1 26.471 3 GHz

-45.45 dB

Start 5.00 GHz

#Res BW 100 kHz

#Video BW 300 kHz

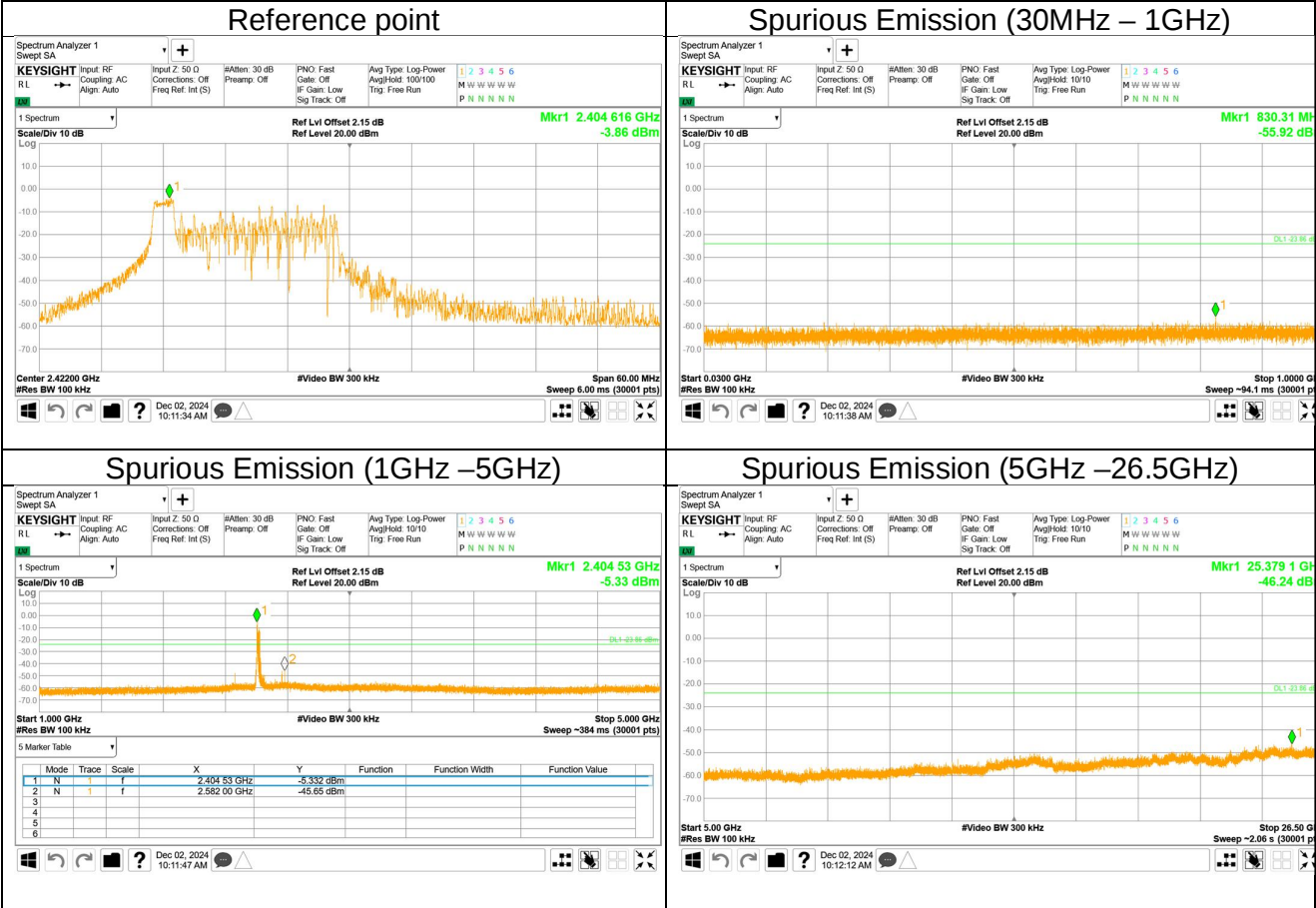
Stop 26.50 GHz

Sweep ~2.06 s (30001 pts)

Nov 27, 2024 1:47:34 PM

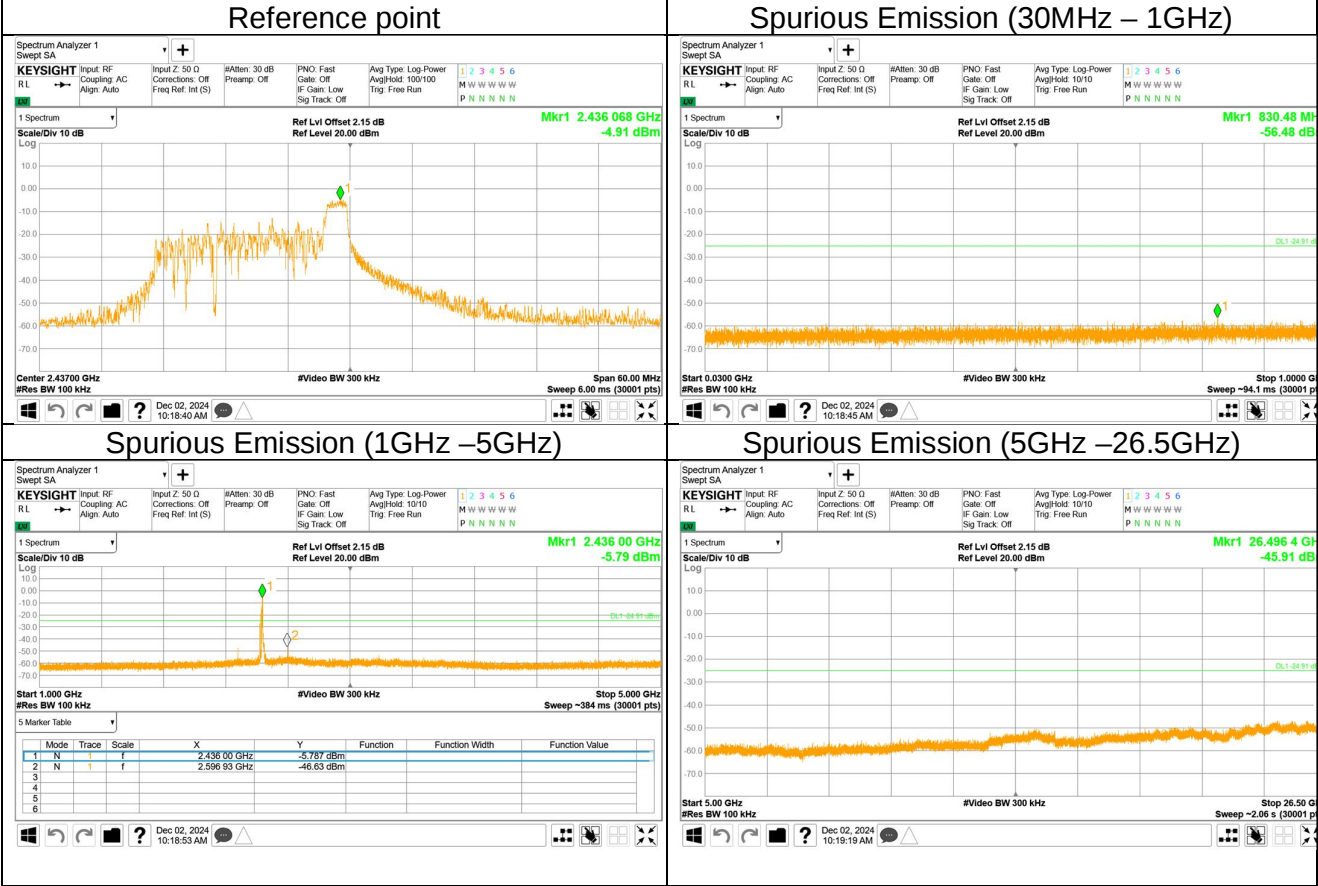


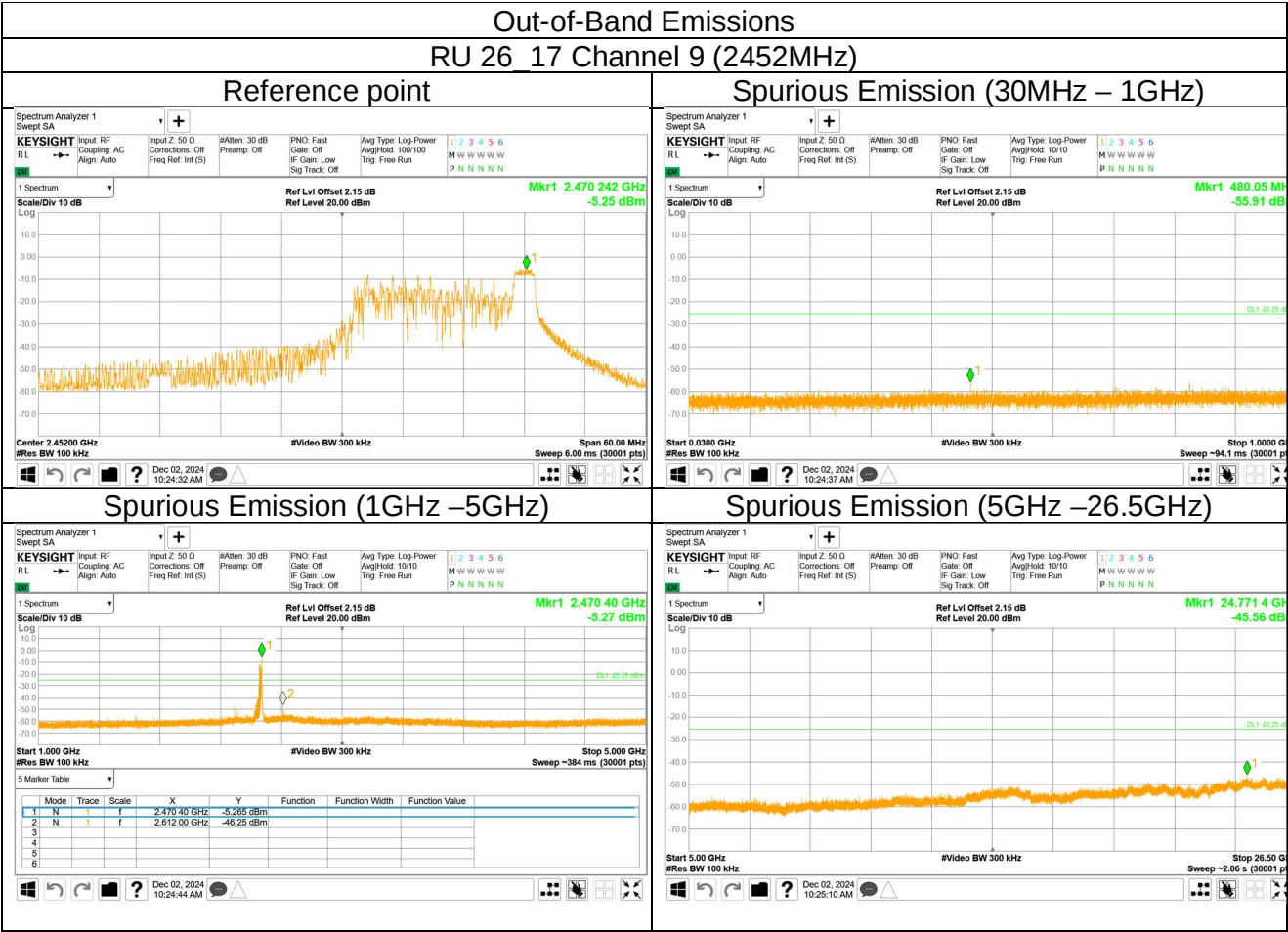
802.11 ax HE40
Out-of-Band Emissions
RU 26_0 Channel 3 (2422MHz)





Out-of-Band Emissions
RU 26_8 Channel 6 (2437MHz)

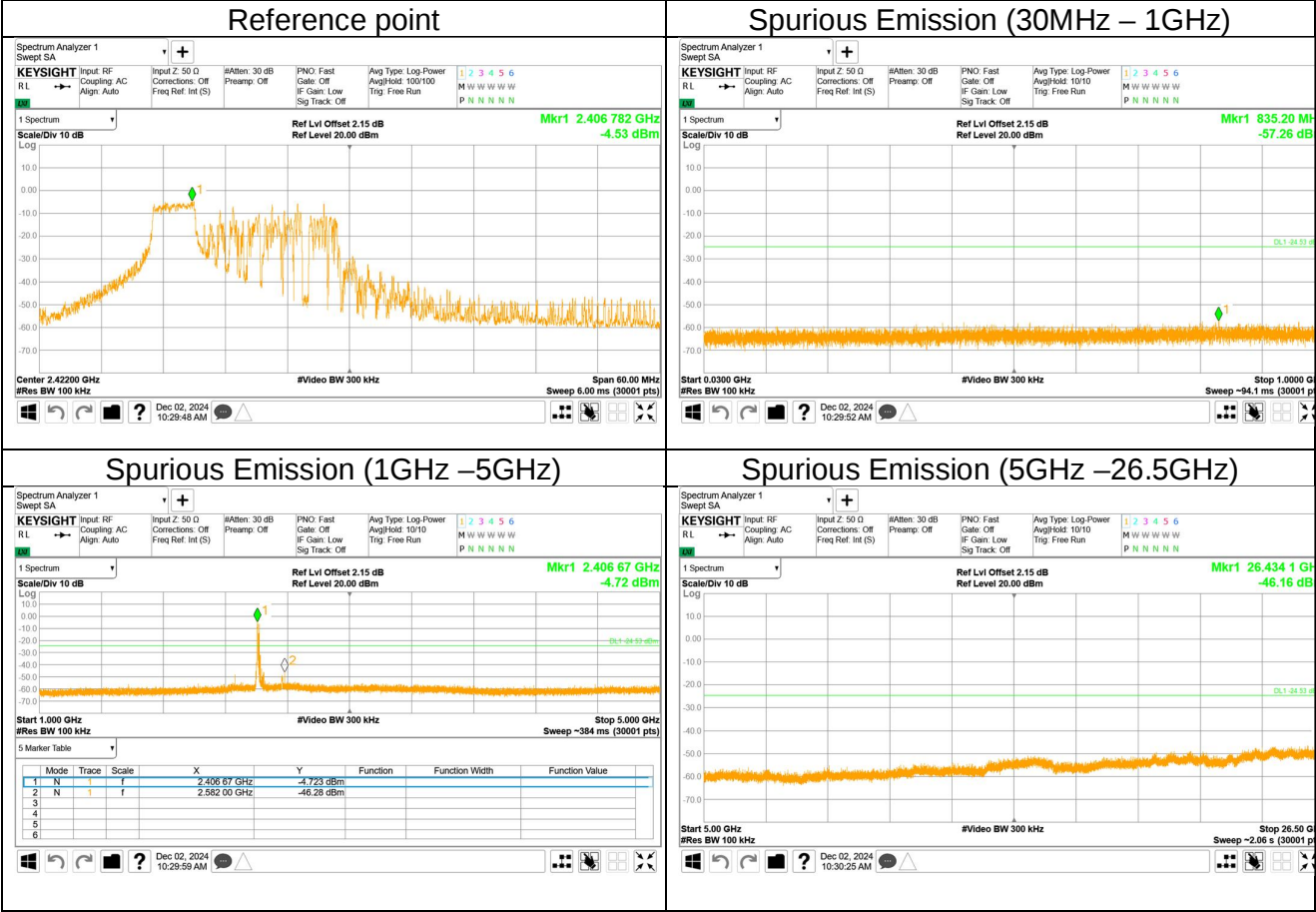






802.11 ax HE40

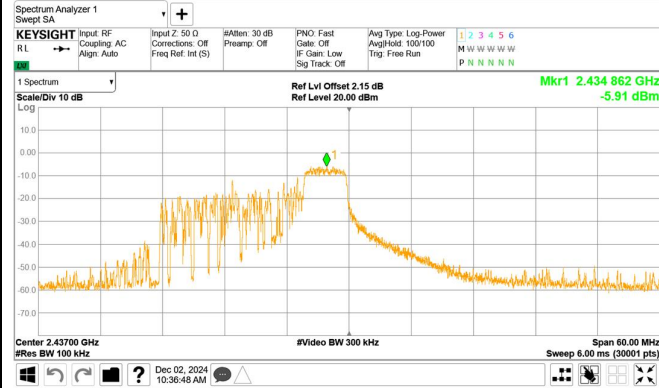
Out-of-Band Emissions
RU 52_37 Channel 3 (2422MHz)



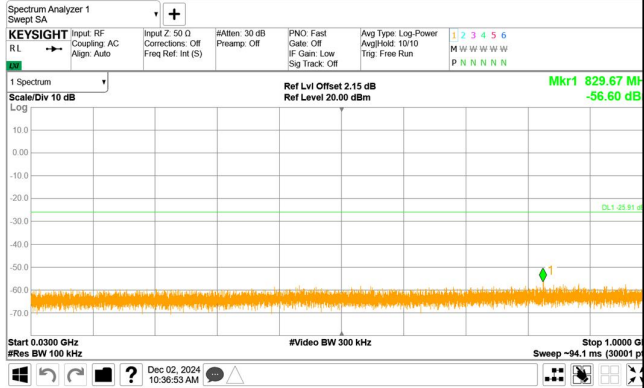


Out-of-Band Emissions
RU 52_40 Channel 6 (2437MHz)

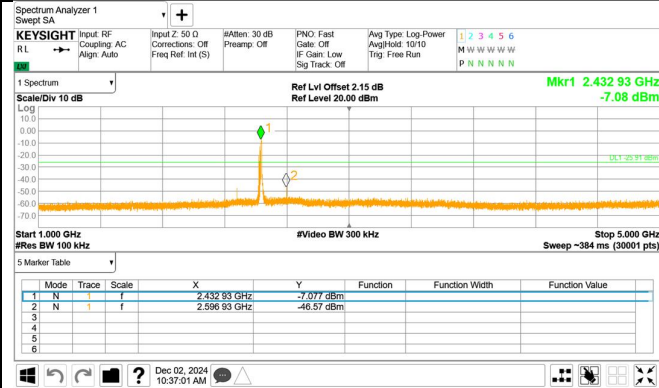
Reference point



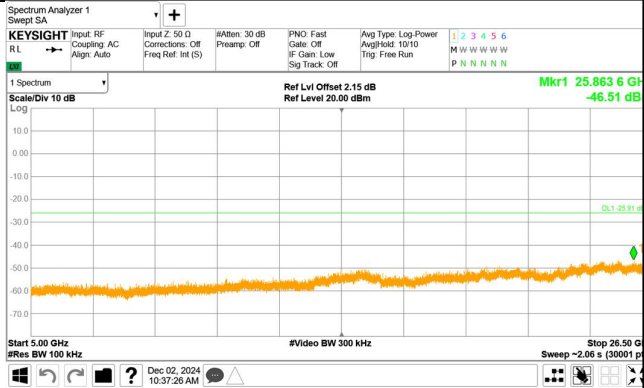
Spurious Emission (30MHz – 1GHz)



Spurious Emission (1GHz –5GHz)



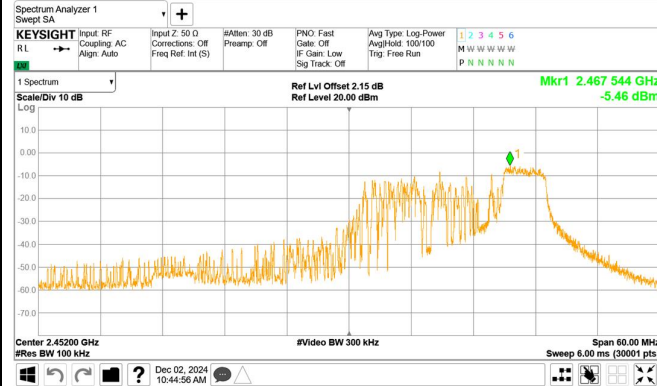
Spurious Emission (5GHz –26.5GHz)



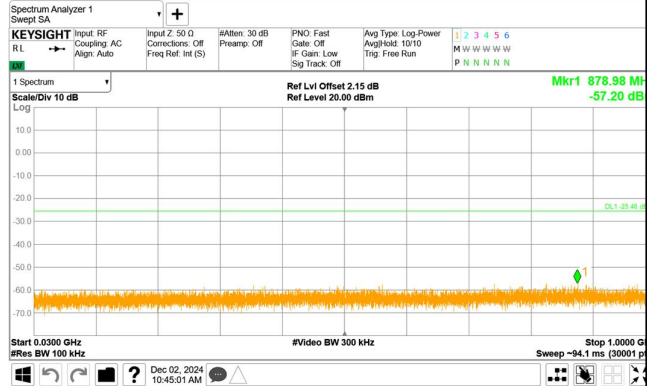


Out-of-Band Emissions
RU 52_44 Channel 9 (2452MHz)

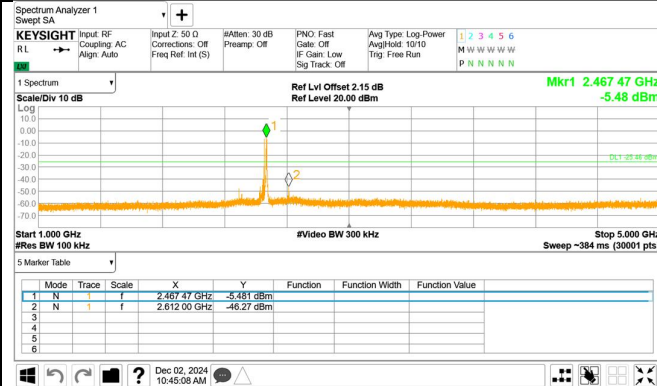
Reference point



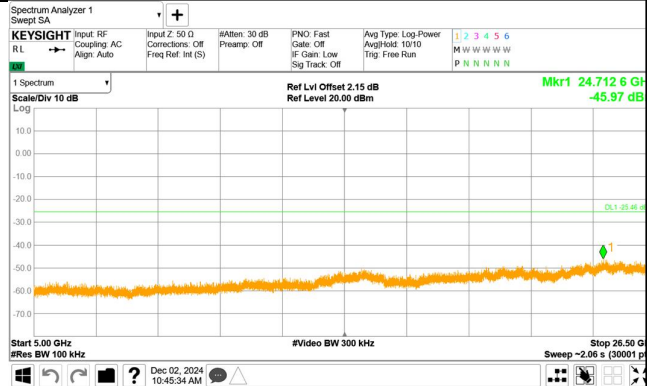
Spurious Emission (30MHz – 1GHz)



Spurious Emission (1GHz –5GHz)



Spurious Emission (5GHz –26.5GHz)

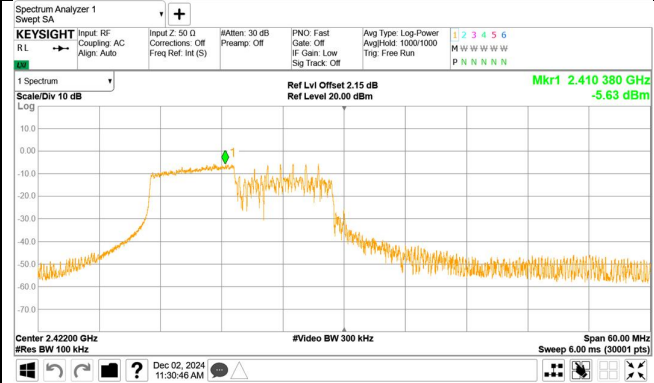




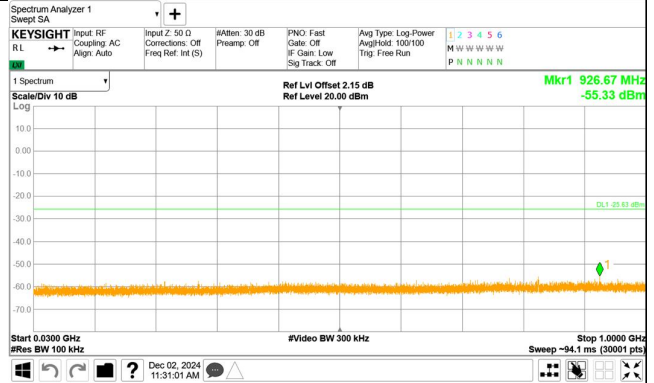
802.11 ax HE40

Out-of-Band Emissions
RU 106_53 Channel 3 (2422MHz)

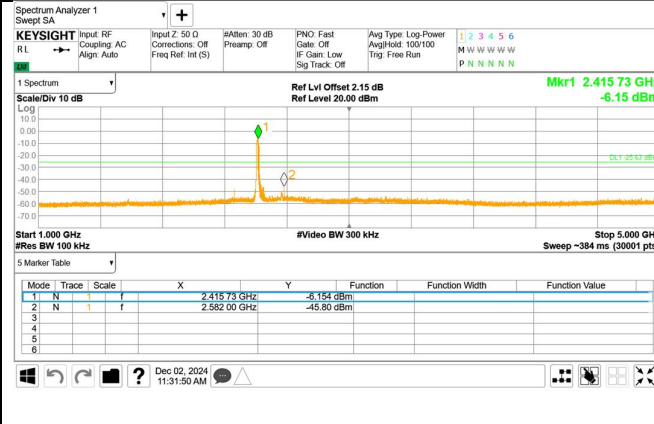
Reference point



Spurious Emission (30MHz – 1GHz)



Spurious Emission (1GHz –5GHz)



Spurious Emission (5GHz –26.5GHz)

