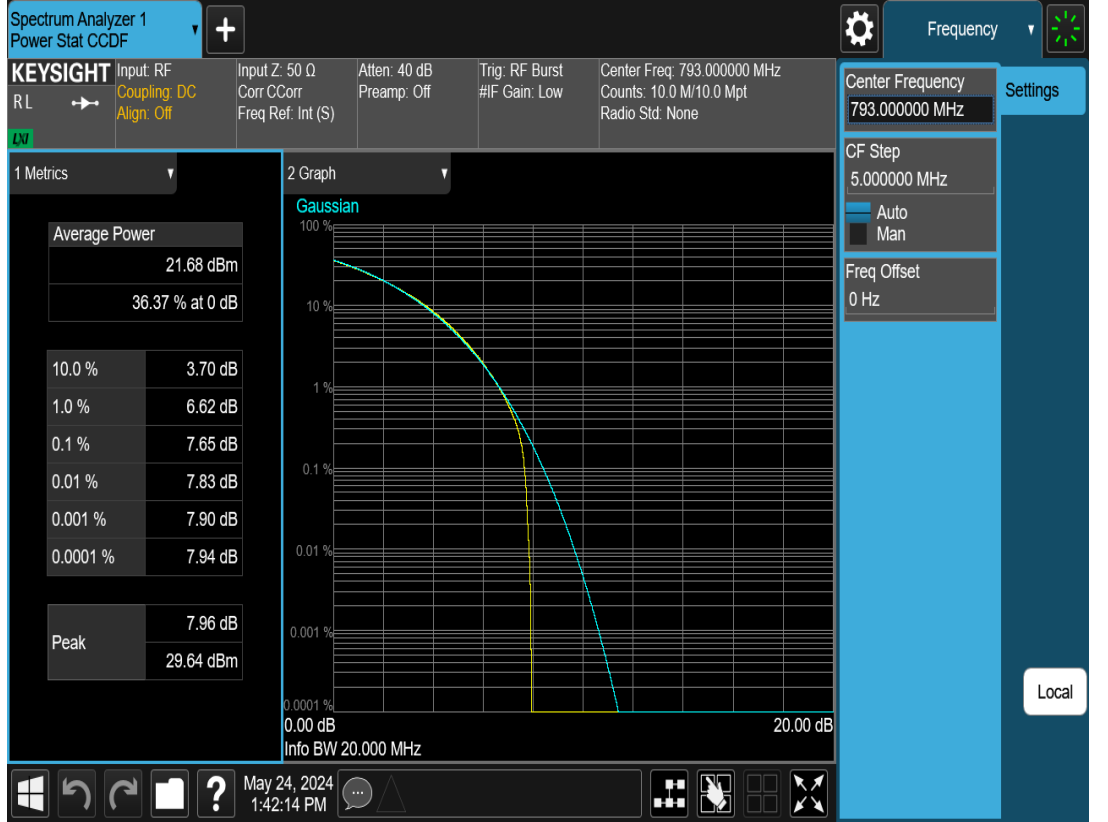
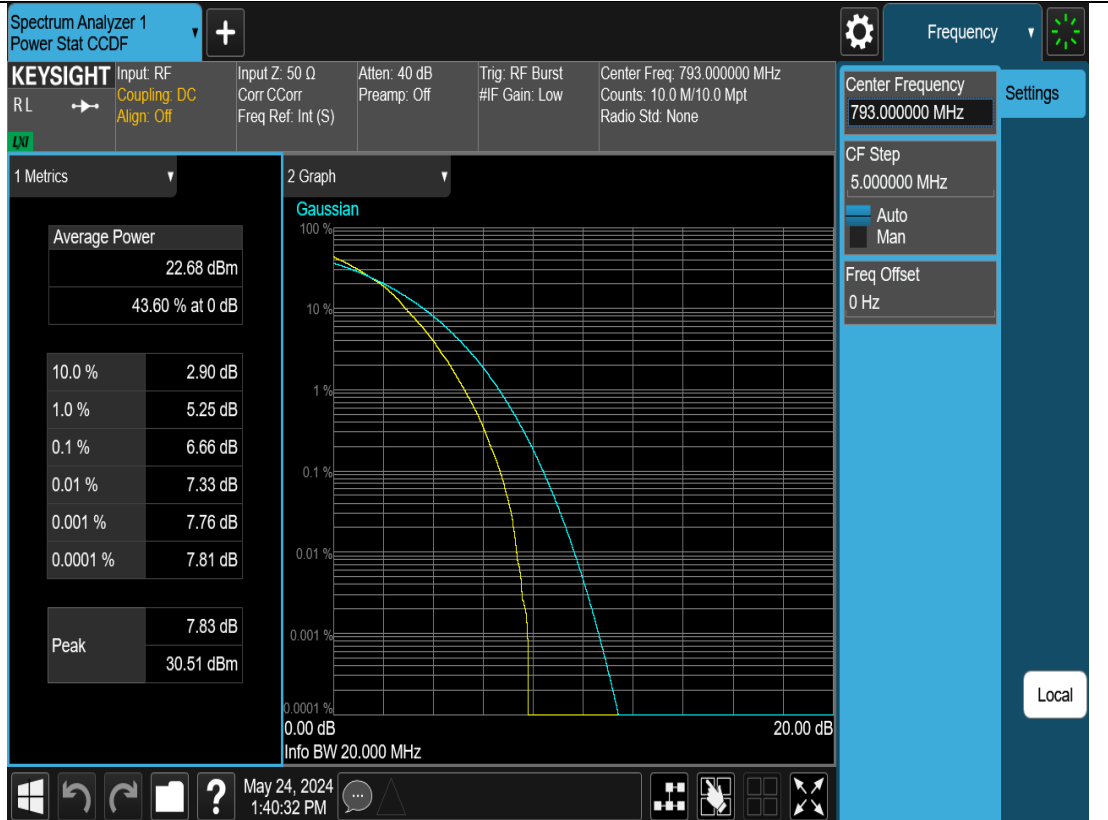


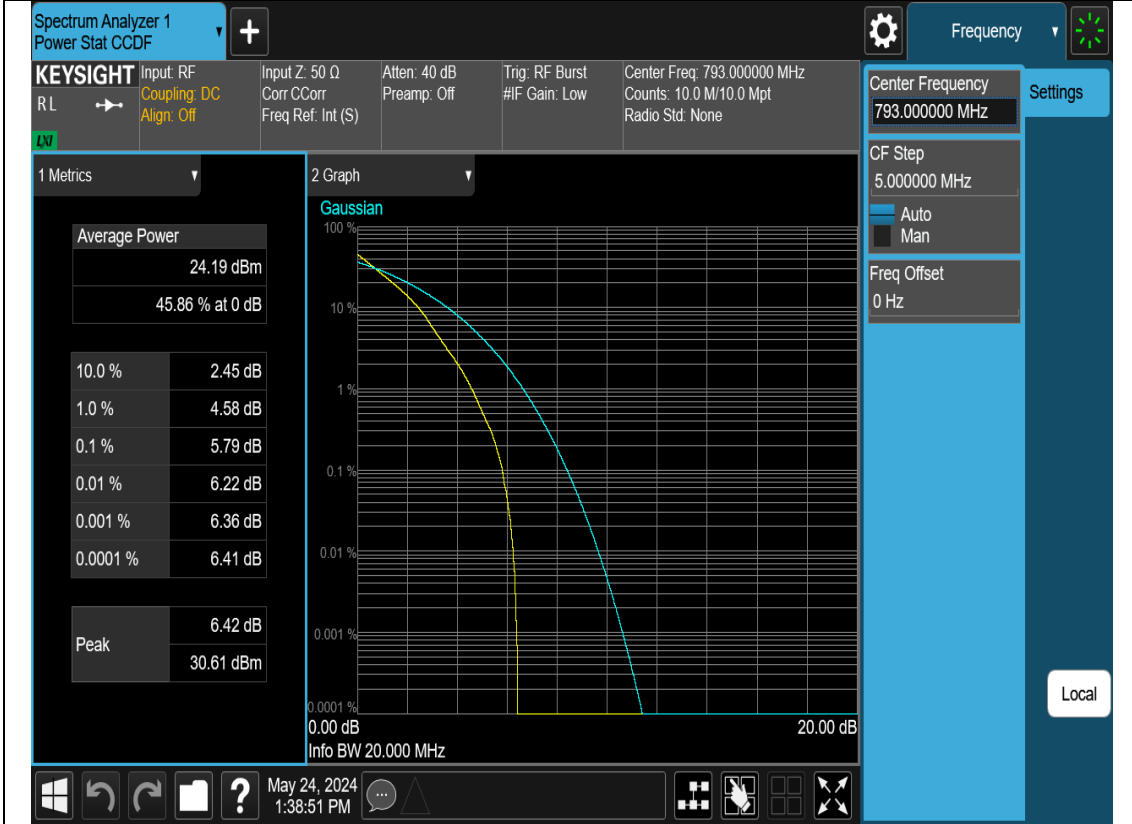
N14-10M-PAPR-M-CP-OFDM-64QAM-Outer_Full



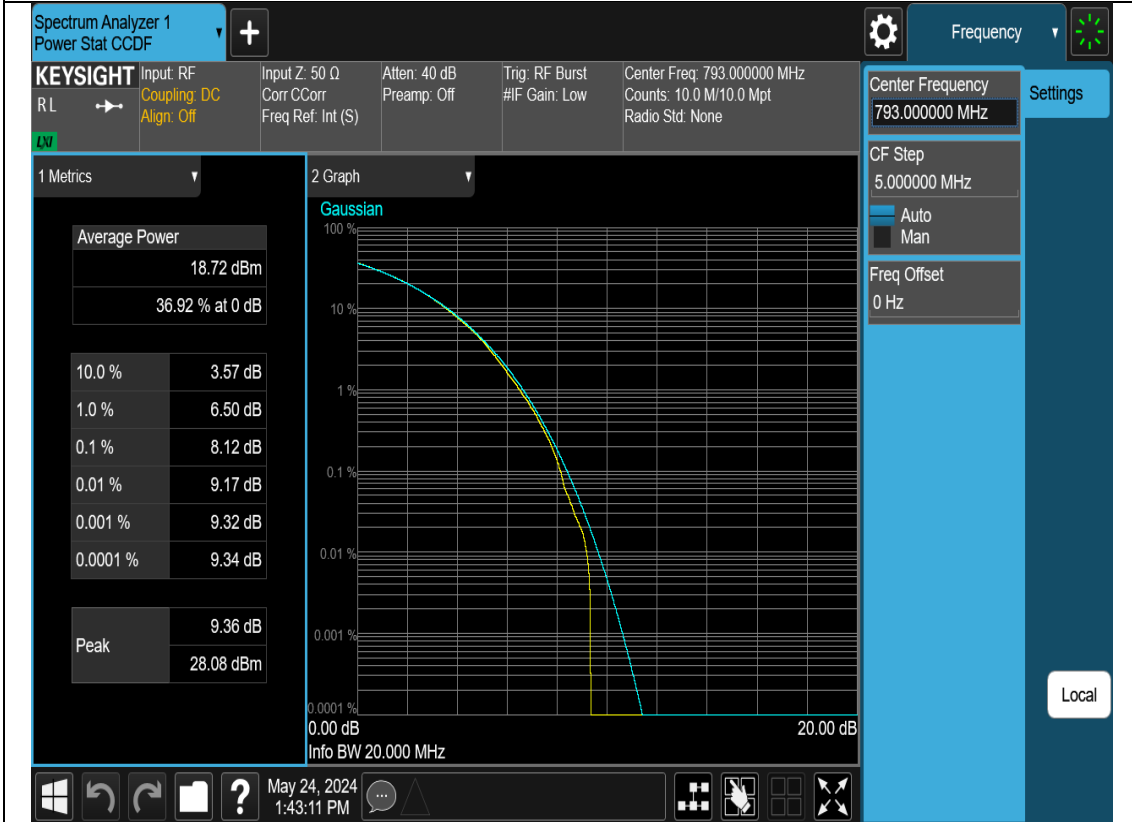
N14-10M-PAPR-M-DFT-s-OFDM-256QAM-Outer_Full



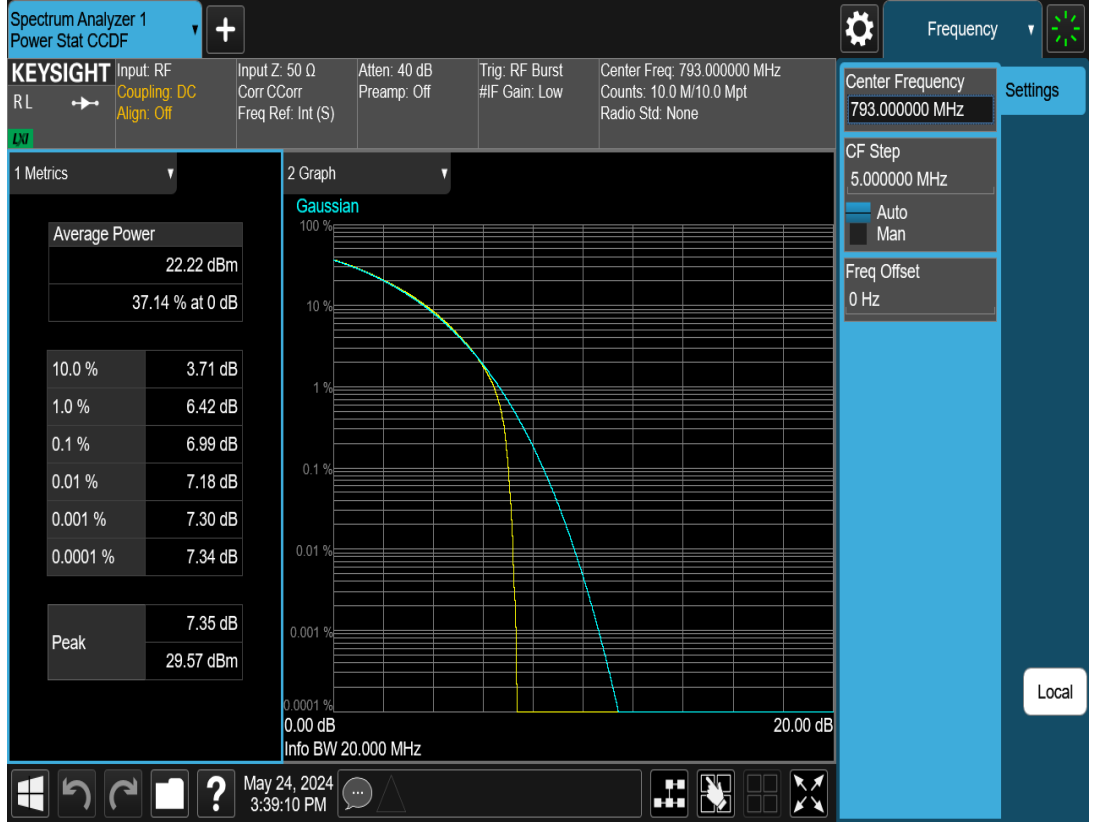
N14-10M-PAPR-M-DFT-s-OFDM-16QAM-Outer_Full



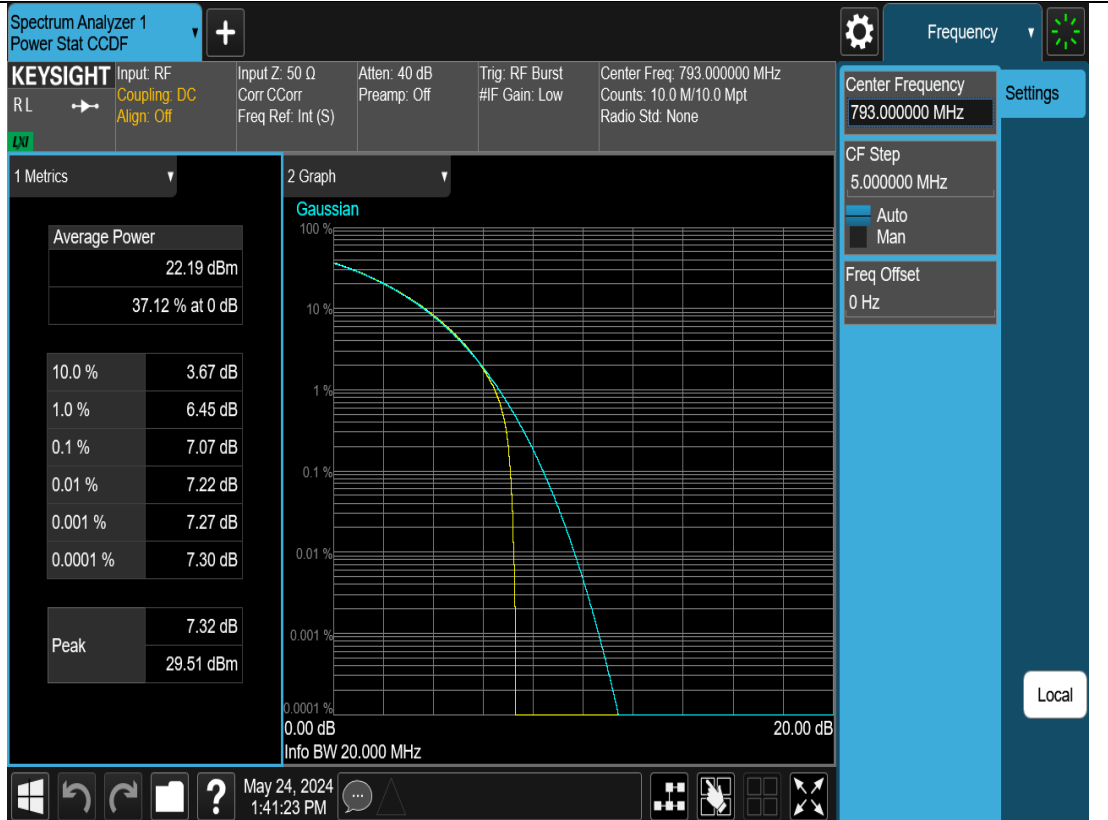
N14-10M-PAPR-M-CP-OFDM-256QAM-Outer_Full



N14-10M-PAPR-L-CP-OFDM-QPSK-Outer_Full



N14-10M-PAPR-M-CP-OFDM-16QAM-Outer_Full



N14-10M-PAPR-L-DFT-s-OFDM-Pi2 BPSK-Outer_Full

Spectrum Analyzer 1
Power Stat CCDF

KEYSIGHT Input RF
RL Coupling: DC
Align: Off

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

Atten: 40 dB
Preamp: Off

Trig: RF Burst
#F Gain: Low

Center Freq: 793.000000 MHz
Counts: 10.0 M/10.0 Mpt
Radio Std: None

Center Frequency
793.000000 MHz

CF Step
5.000000 MHz

Auto
Man

Freq Offset
0 Hz

Settings

1 Metrics

Average Power
24.74 dBm
47.63 % at 0 dB

10.0 %	2.04 dB
1.0 %	3.43 dB
0.1 %	4.29 dB
0.01 %	4.58 dB
0.001 %	4.67 dB
0.0001 %	4.72 dB

Peak
4.75 dB
29.49 dBm

2 Graph

Gaussian

100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %

0.0001 %
0.001 %
0.01 %
0.1 %
1 %
10 %
100 %

0.00 dB
20.00 dB

Info BW 20.000 MHz

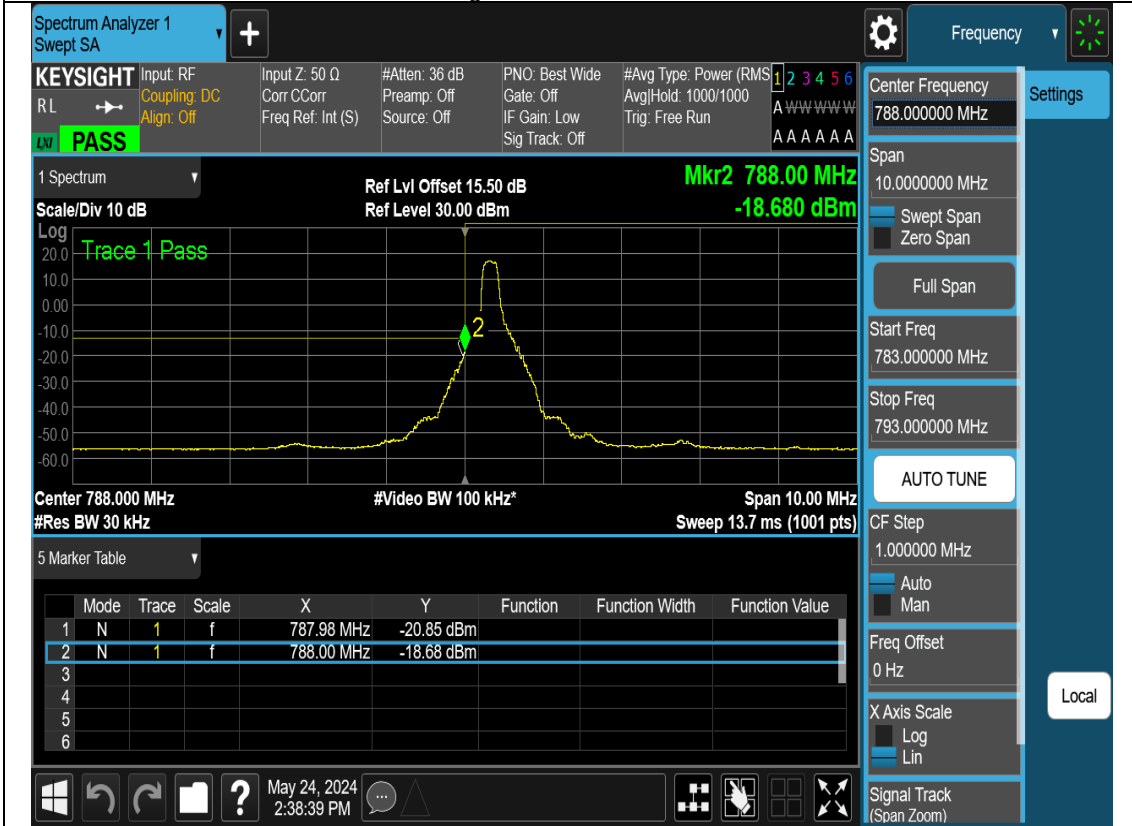
Local

May 24, 2024
2:55:20 PM

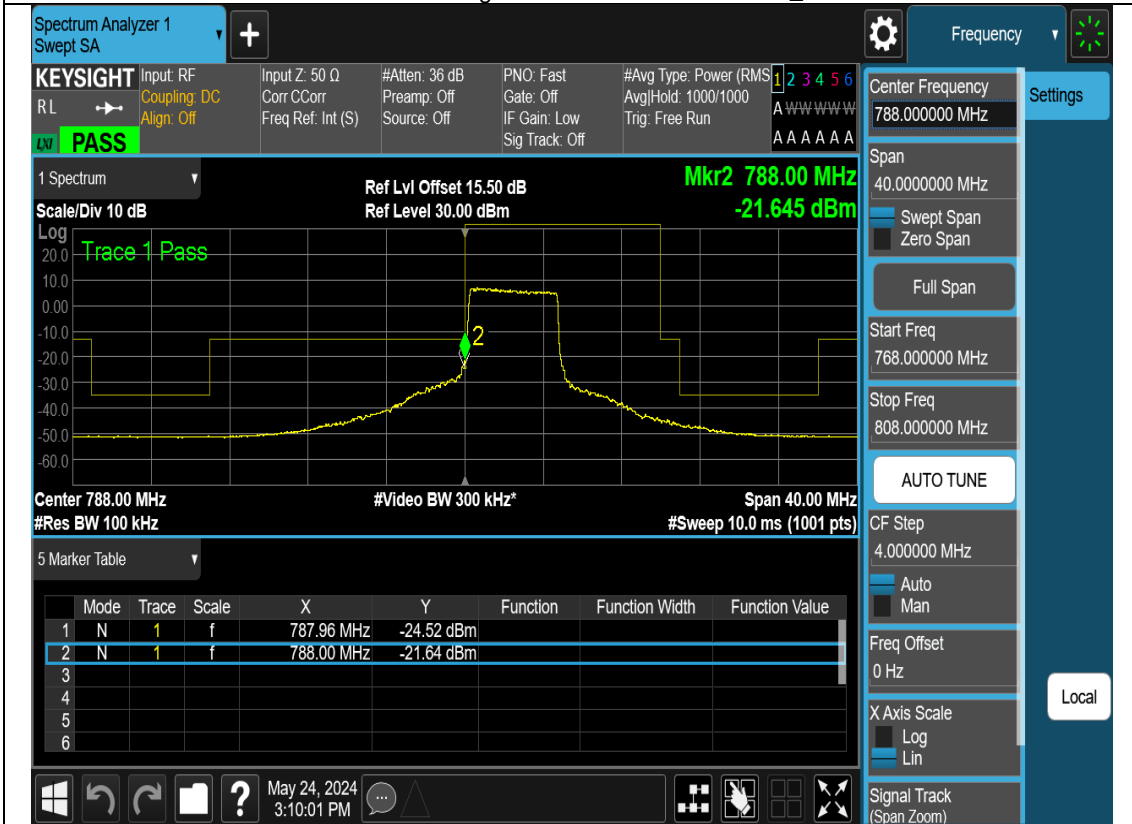
Bandedge test graph



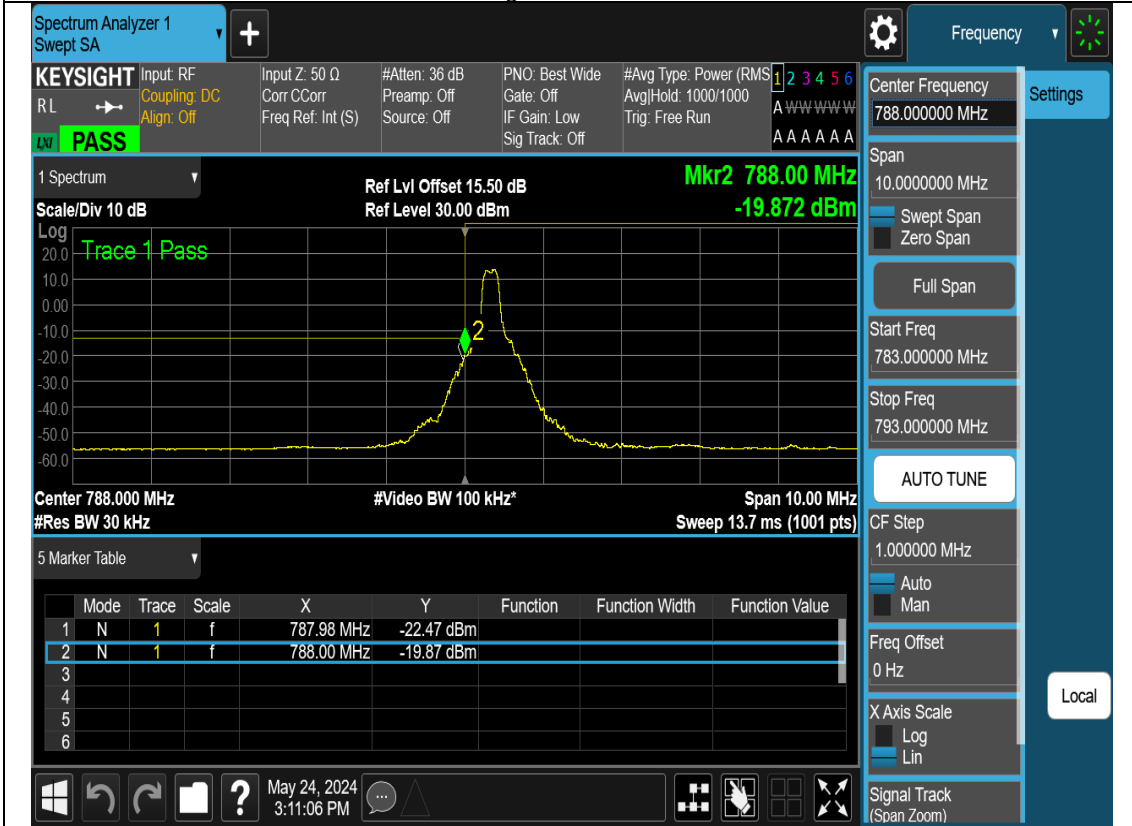
N14-5M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-1RB0



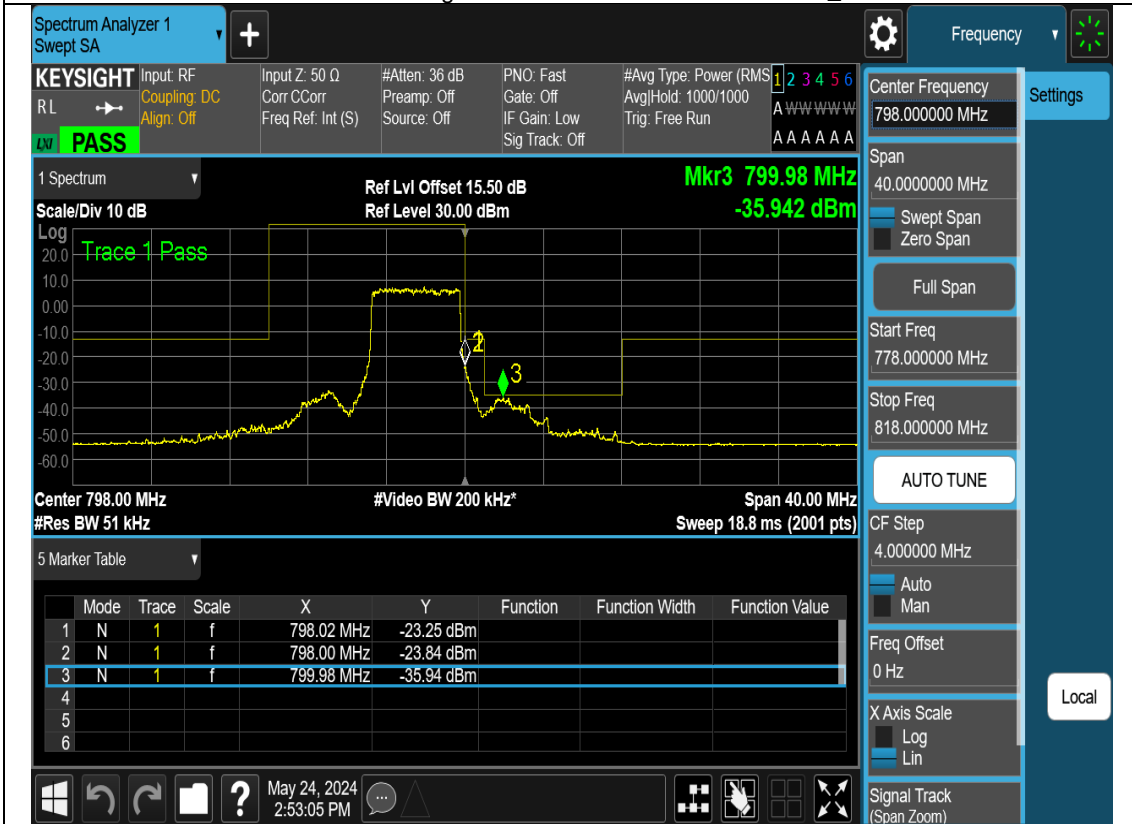
N14-5M-Bandedge-L-CP-OFDM-QPSK-Outer_Full



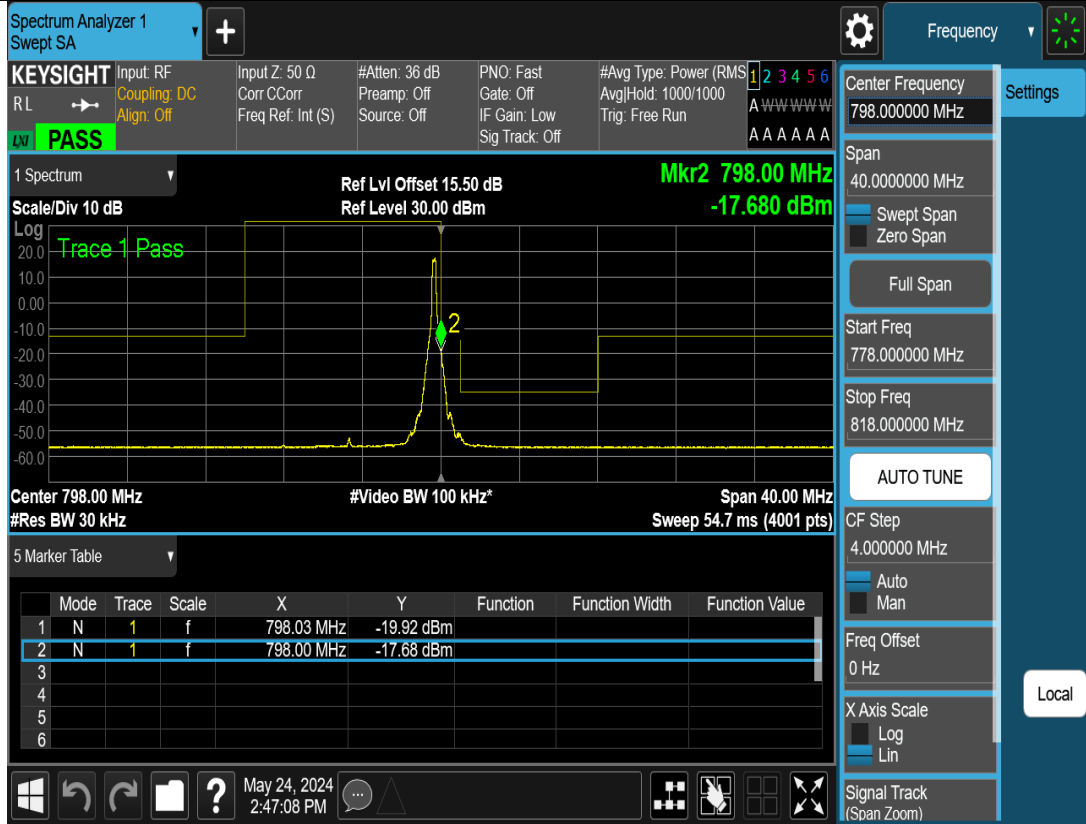
N14-5M-Bandedge-L-CP-OFDM-QPSK-1RB0



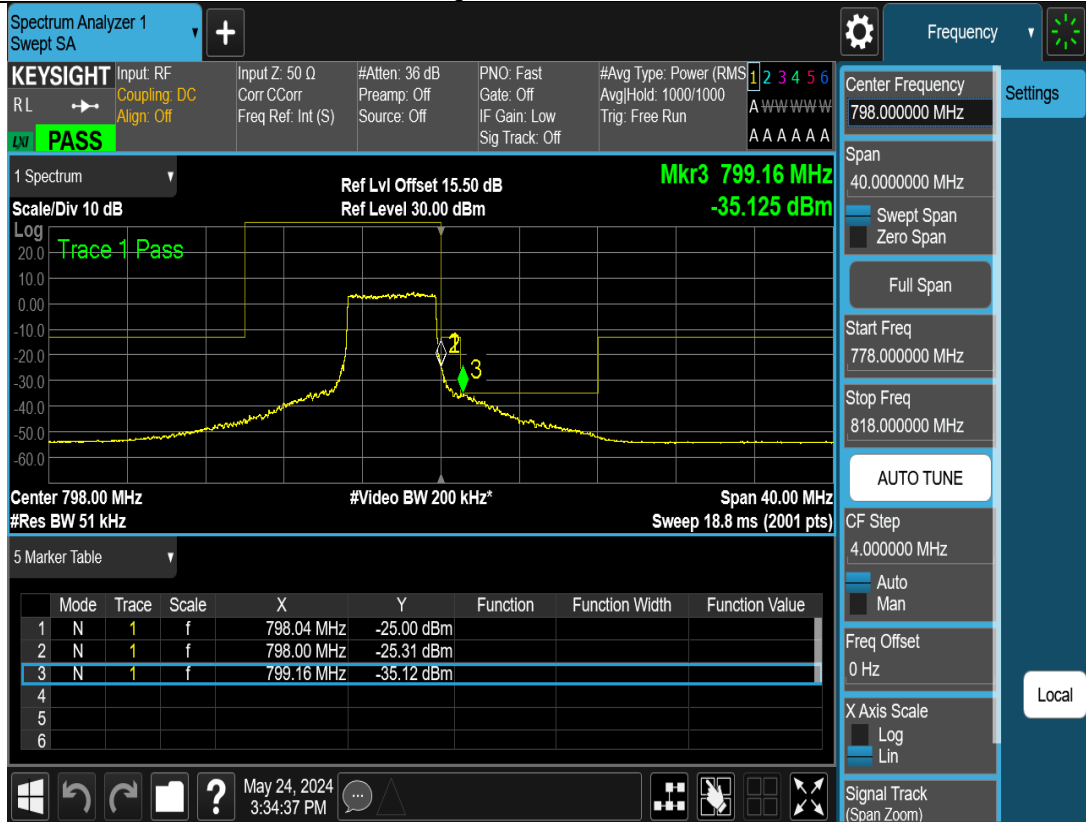
N14-5M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer_Full



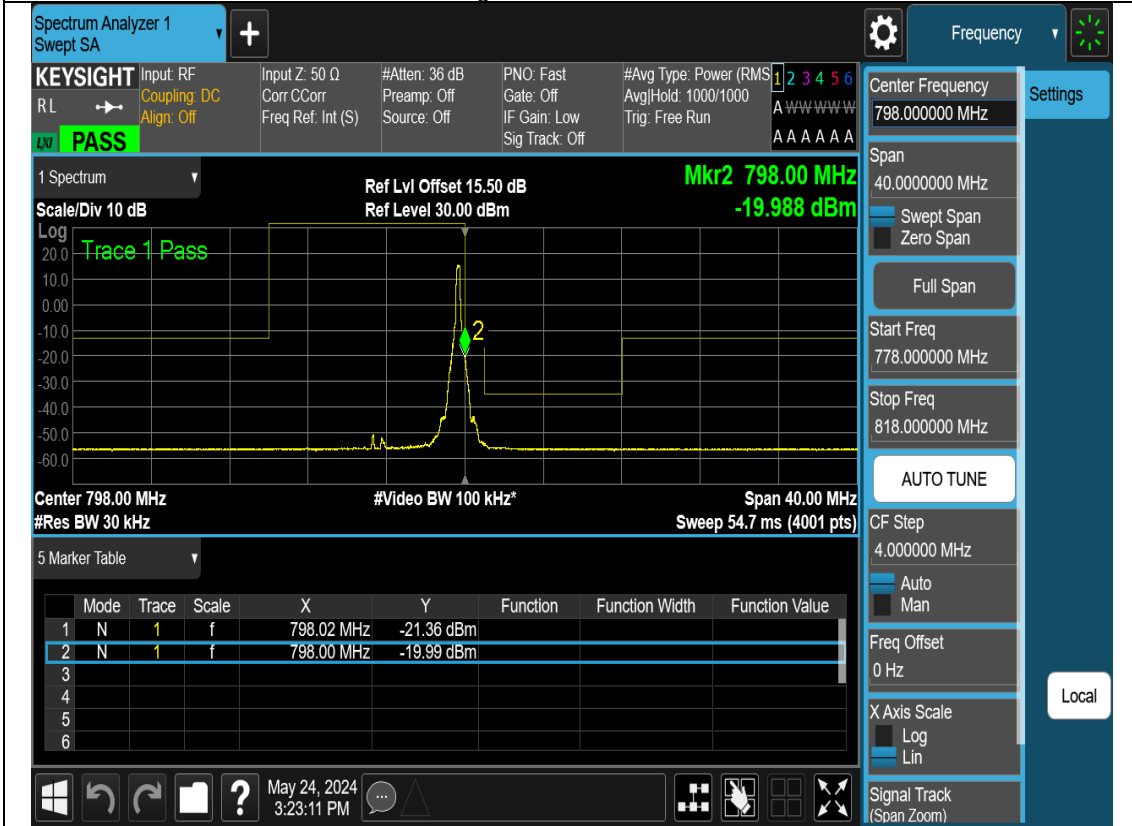
N14-5M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-1RB_MAX



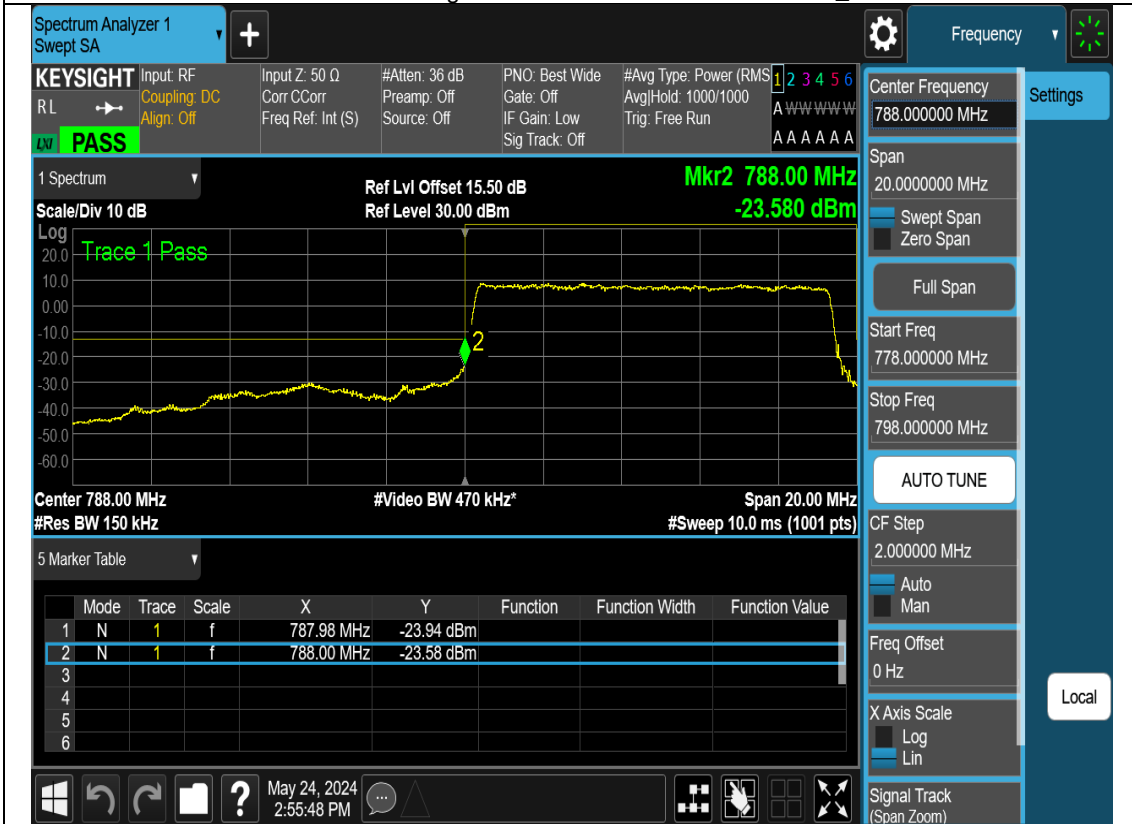
N14-5M-Bandedge-H-CP-OFDM-QPSK-Outer_Full



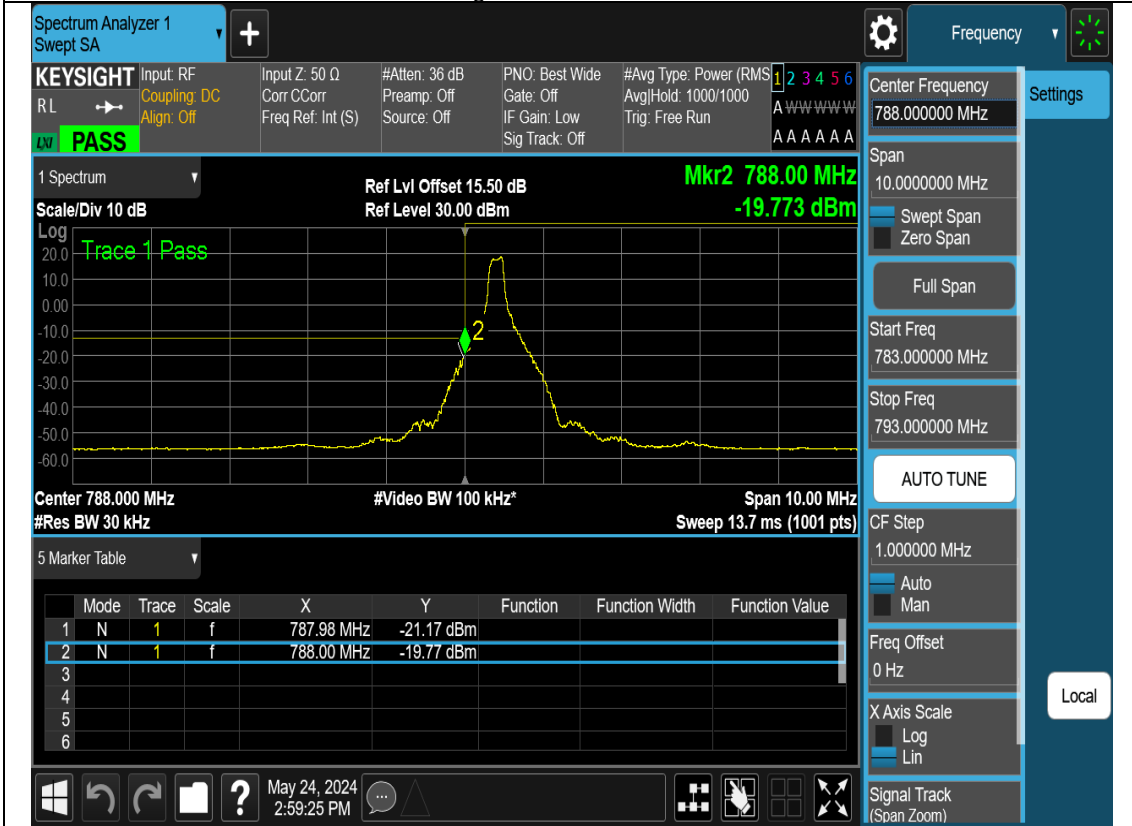
N14-5M-Bandedge-H-CP-OFDM-QPSK-1RB_MAX



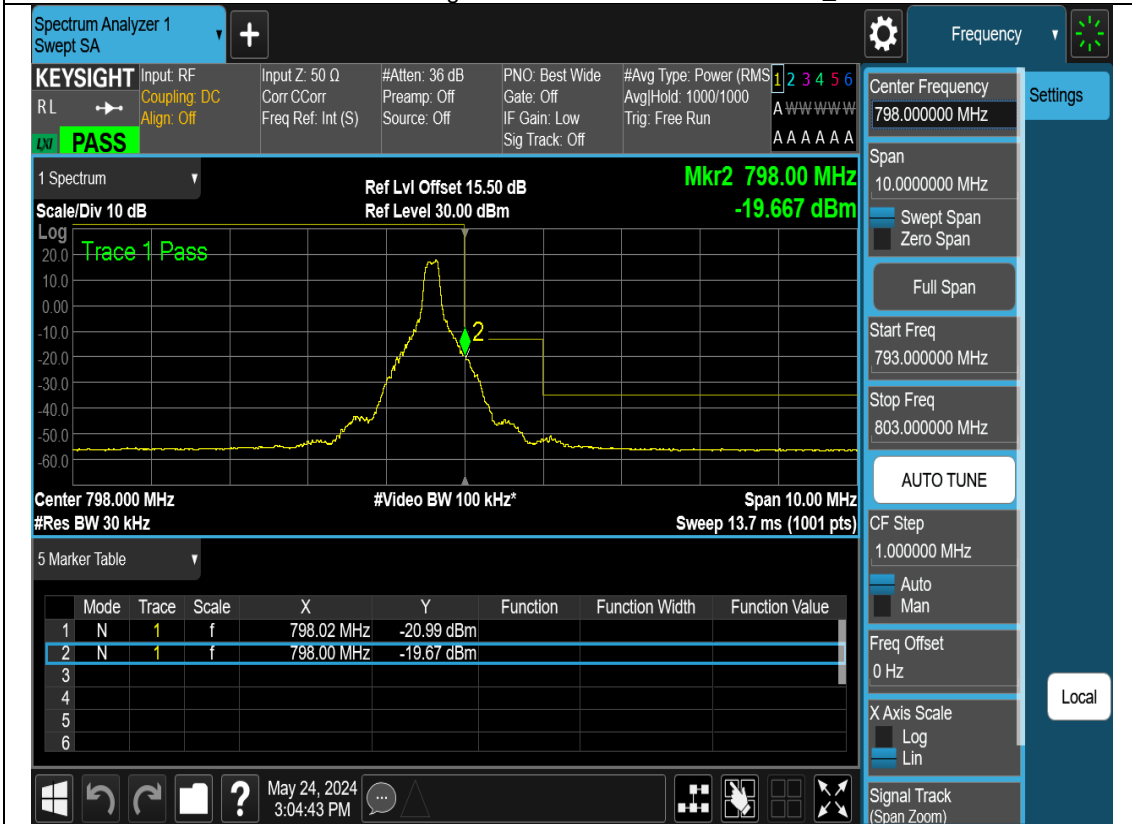
N14-10M-Bandedge-M-DFT-s-OFDM-Pi2 BPSK-Outer_Full



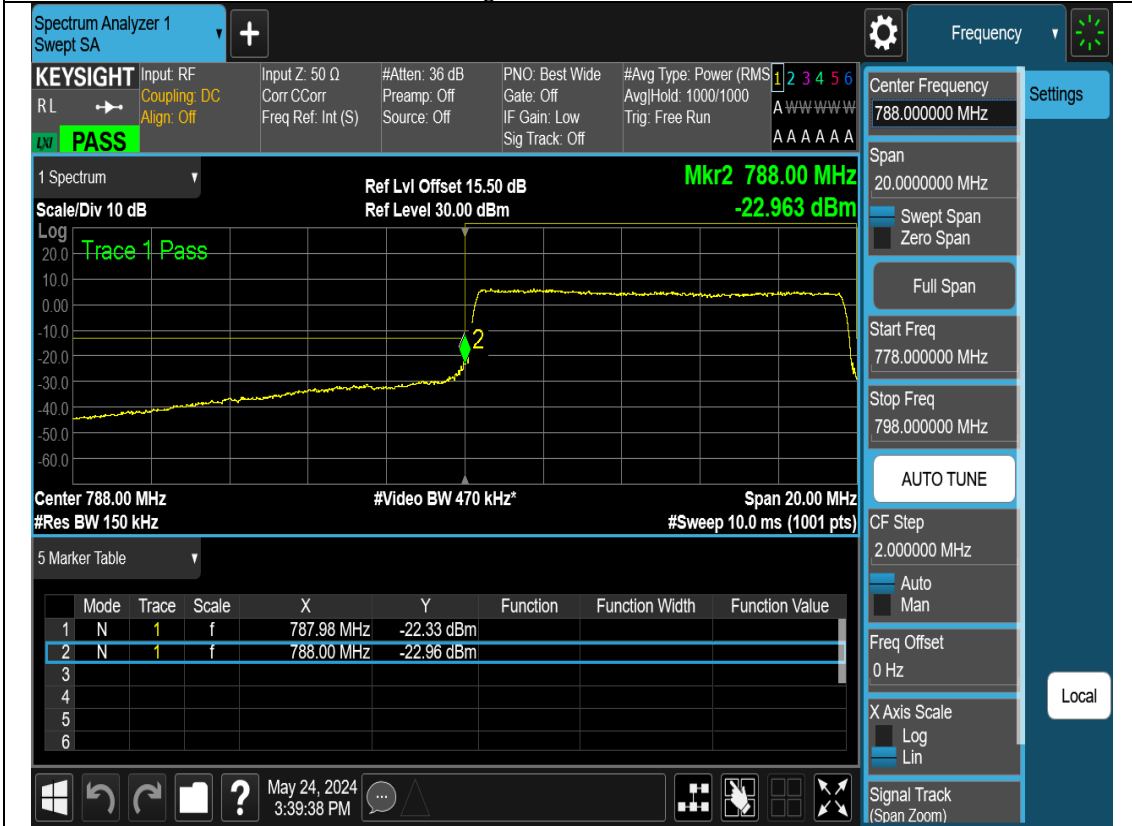
N14-10M-Bandedge-M-DFT-s-OFDM-Pi2 BPSK-1RB0



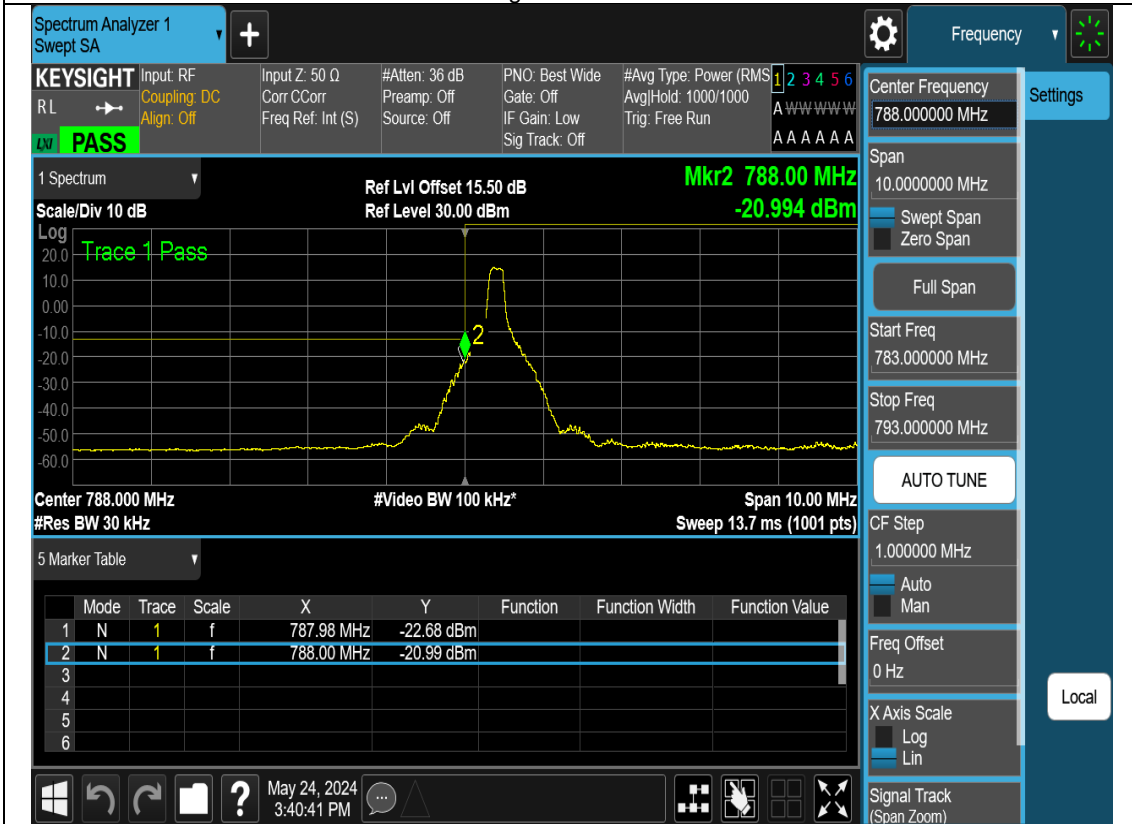
N14-10M-Bandedge-M-DFT-s-OFDM-Pi2 BPSK-1RB_MAX



N14-10M-Bandedge-M-CP-OFDM-QPSK-Outer_Full



N14-10M-Bandedge-M-CP-OFDM-QPSK-1RB0



N14-10M-Bandedge-M-CP-OFDM-QPSK-1RB_MAX

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input RF
RL Coupling: DC
Align: Off

1 **PASS**

1 Spectrum Ref Lvl Offset 15.50 dB

Scale/Div 10 dB Ref Level 30.00 dBm

Log Mkr2 798.00 MHz

Trace 1 Pass -25.629 dBm

Center 798.000 MHz #Video BW 100 kHz*

#Res BW 30 kHz Span 10.00 MHz

Sweep 13.7 ms (1001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	798.02 MHz	-24.33 dBm		
2	N	1	f	798.00 MHz	-25.63 dBm		
3							
4							
5							
6							

Frequency

Center Frequency
798.000000 MHz

Span
10.000000 MHz

Swept Span
Zero Span

Full Span

Start Freq
793.000000 MHz

Stop Freq
803.000000 MHz

AUTO TUNE

CF Step
1.000000 MHz

Auto
Man

Freq Offset
0 Hz

X Axis Scale
Log
Lin

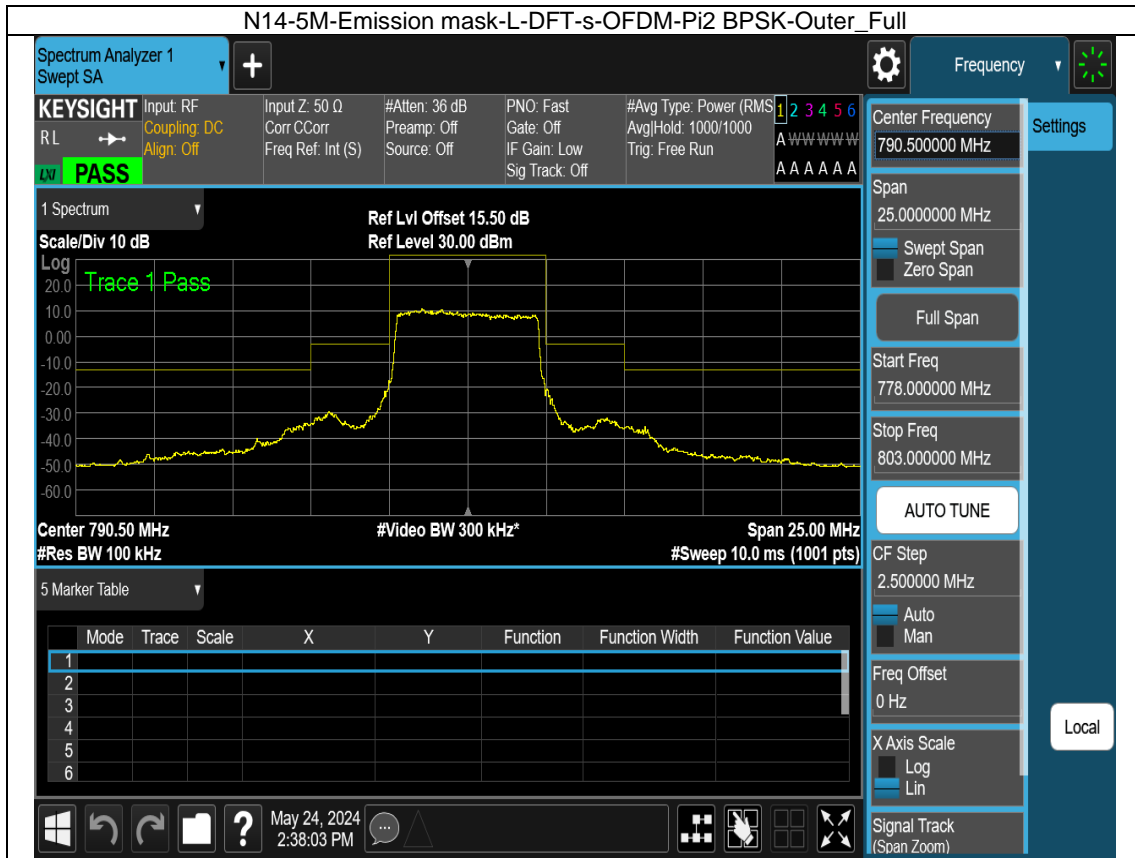
Signal Track
(Span Zoom)

Settings

Local

May 24, 2024 3:43:19 PM

Emission Mask test graph



N14-5M-Emission mask-L-DFT-s-OFDM-Pi2 BPSK-1RB0

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input RF
RL Coupling: DC
Align: Off

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

#Atten: 36 dB
Preamp: Off
Source: Off

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

#Avg Type: Power (RMS)
Avg/Hold: 1000/1000
Trig: Free Run

1 2 3 4 5 6
A www www www
A A A A A A A

Center Frequency 790.500000 MHz

Span 25.000000 MHz

Swept Span
Zero Span

Full Span

Start Freq 778.000000 MHz

Stop Freq 803.000000 MHz

AUTO TUNE

CF Step 2.500000 MHz

Auto
Man

Freq Offset 0 Hz

X Axis Scale
Log
Lin

Signal Track (Span Zoom)

Settings

Local

1 Spectrum
Scale/Div 10 dB
Ref Lvl Offset 15.50 dB
Ref Level 30.00 dBm

Log
Trace 1 Pass

Center 790.50 MHz
#Res BW 30 kHz
#Video BW 100 kHz*
Span 25.00 MHz
Sweep 34.1 ms (4001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1							
2							
3							
4							
5							
6							

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N14-5M-Emission mask-L-DFT-s-OFDM-Pi2 BPSK-1RB_Max

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input RF
RL Coupling: DC
Align: Off

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

#Atten: 36 dB
Preamp: Off
Source: Off

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

#Avg Type: Power (RMS)
Avg/Hold: 1000/1000
Trig: Free Run

1 2 3 4 5 6
A www www www
A A A A A A A

Center Frequency 790.500000 MHz

Span 40.000000 MHz

Swept Span
Zero Span

Full Span

Start Freq 770.500000 MHz

Stop Freq 810.500000 MHz

AUTO TUNE

CF Step 4.000000 MHz

Auto
Man

Freq Offset 0 Hz

X Axis Scale
Log
Lin

Signal Track (Span Zoom)

Settings

Local

1 Spectrum
Scale/Div 10 dB
Ref Lvl Offset 15.50 dB
Ref Level 30.00 dBm

Log
Trace 1 Pass

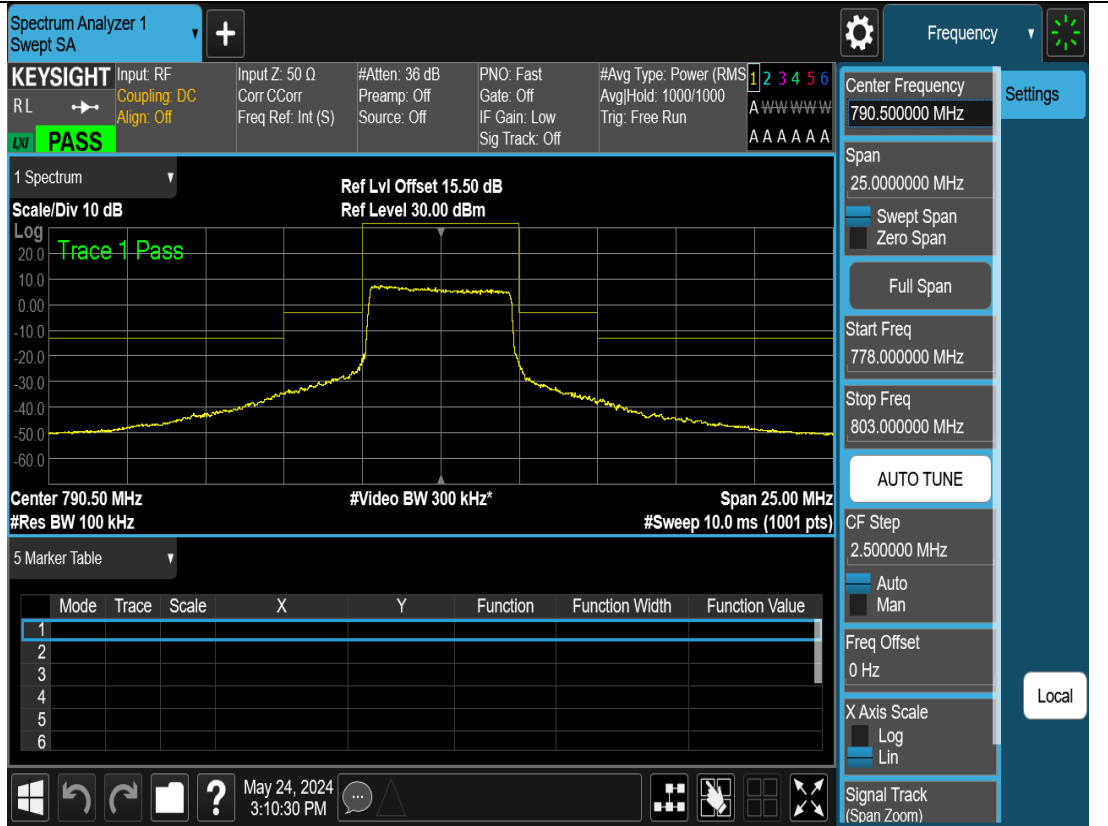
Center 790.50 MHz
#Res BW 30 kHz
#Video BW 100 kHz*
Span 40.00 MHz
Sweep 54.7 ms (4001 pts)

5 Marker Table

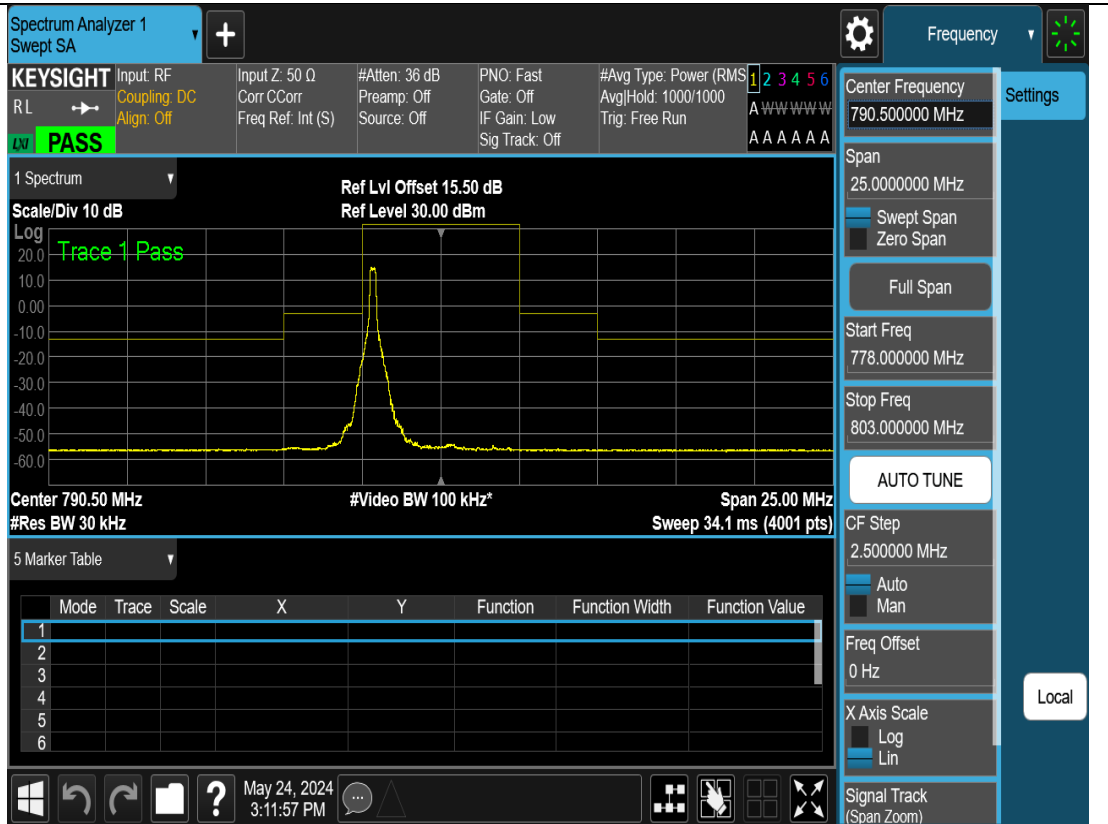
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1							
2							
3							
4							
5							
6							

May 24, 2024 2:41:07 PM

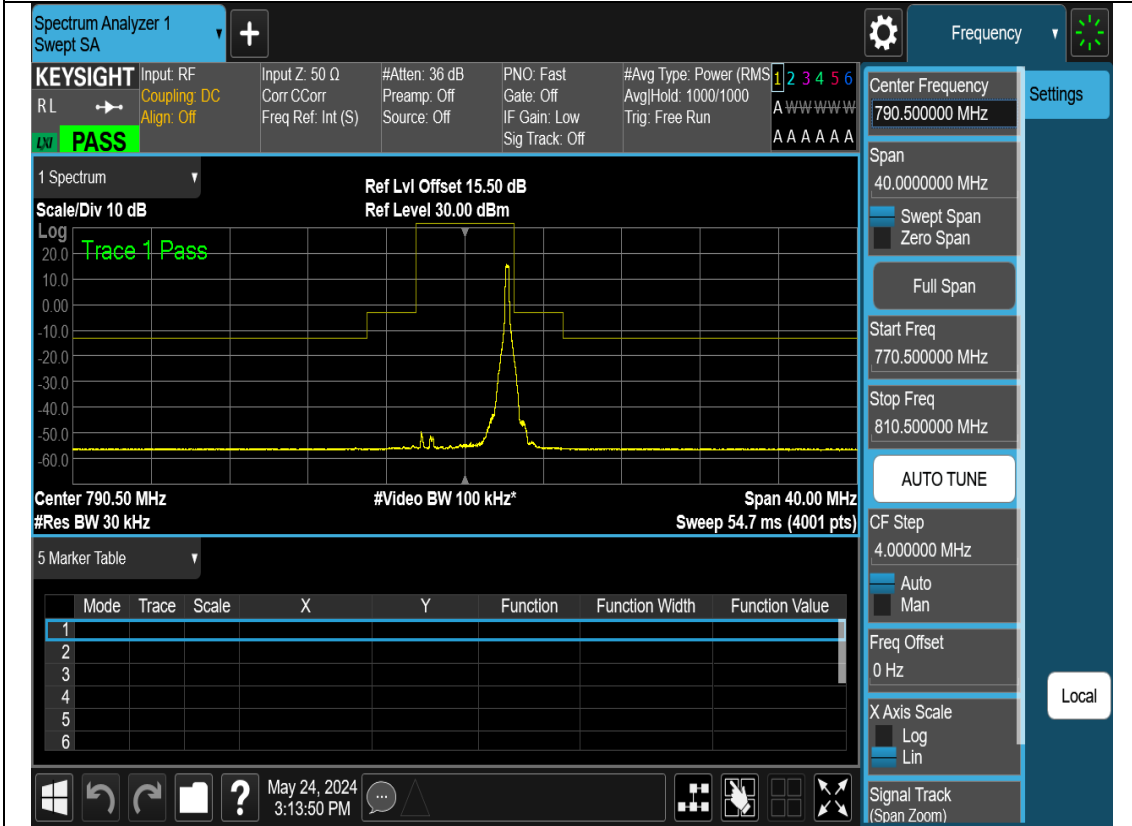
N14-5M-Emission mask-L-CP-OFDM-QPSK-Outer_Full



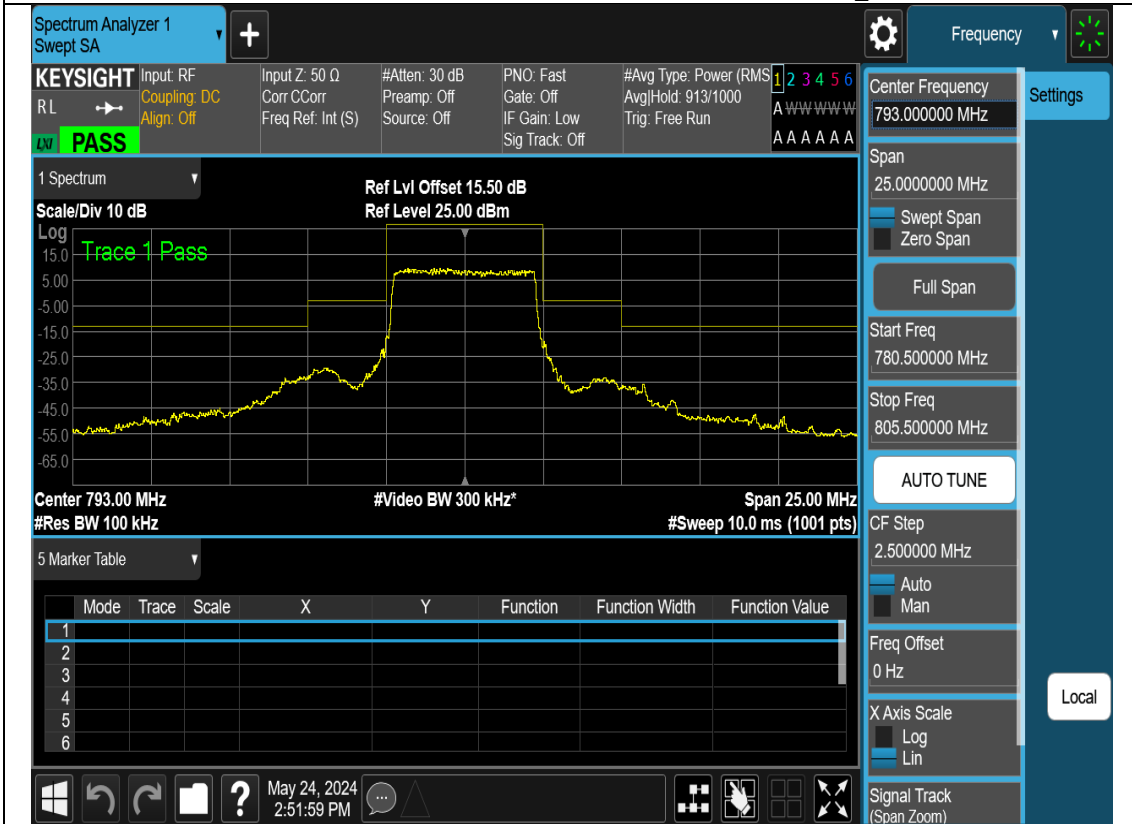
N14-5M-Emission mask-L-CP-OFDM-QPSK-1RB0



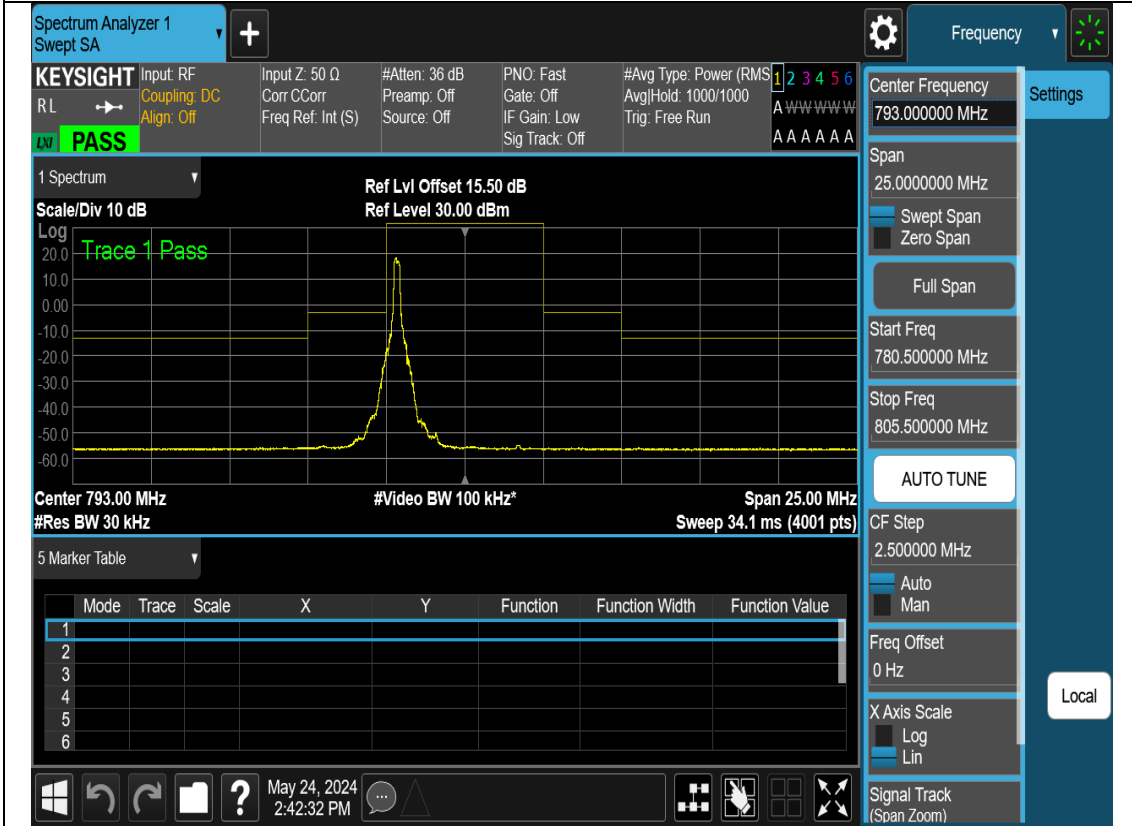
N14-5M-Emission mask-L-CP-OFDM-QPSK-1RB_Max



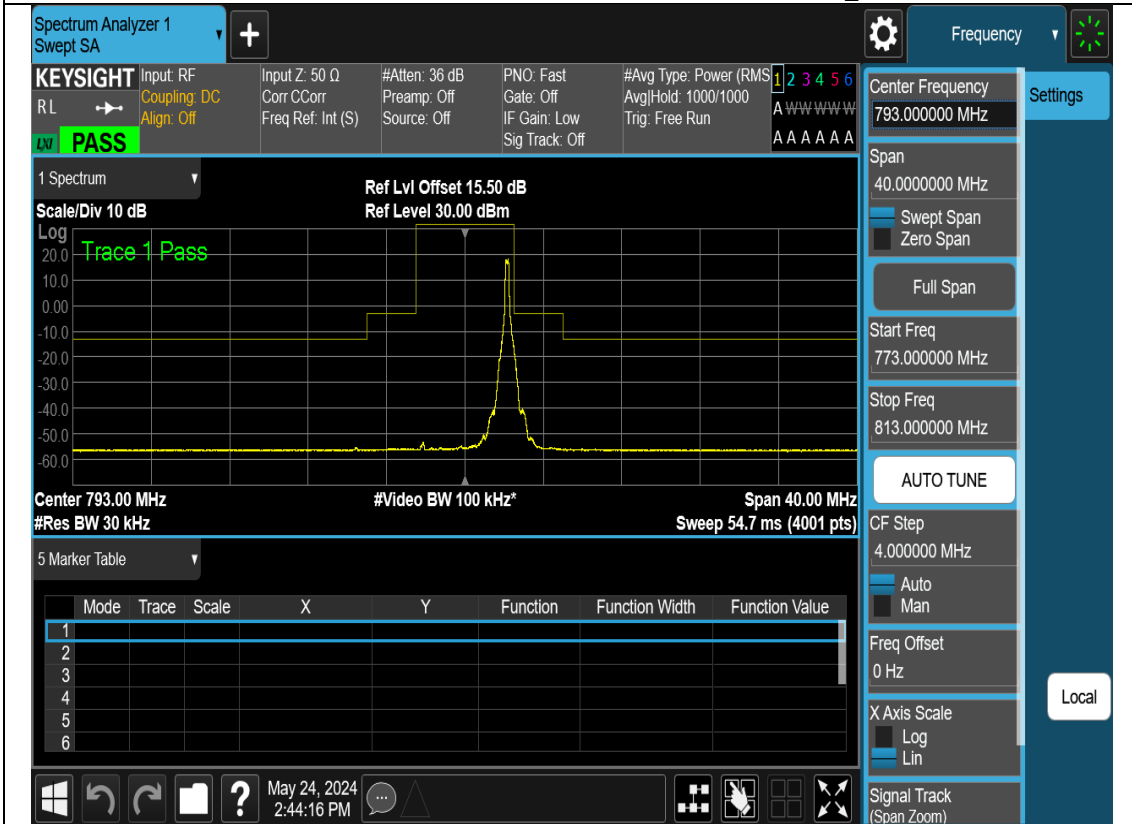
N14-5M-Emission mask-M-DFT-s-OFDM-Pi2 BPSK-Outer_Full



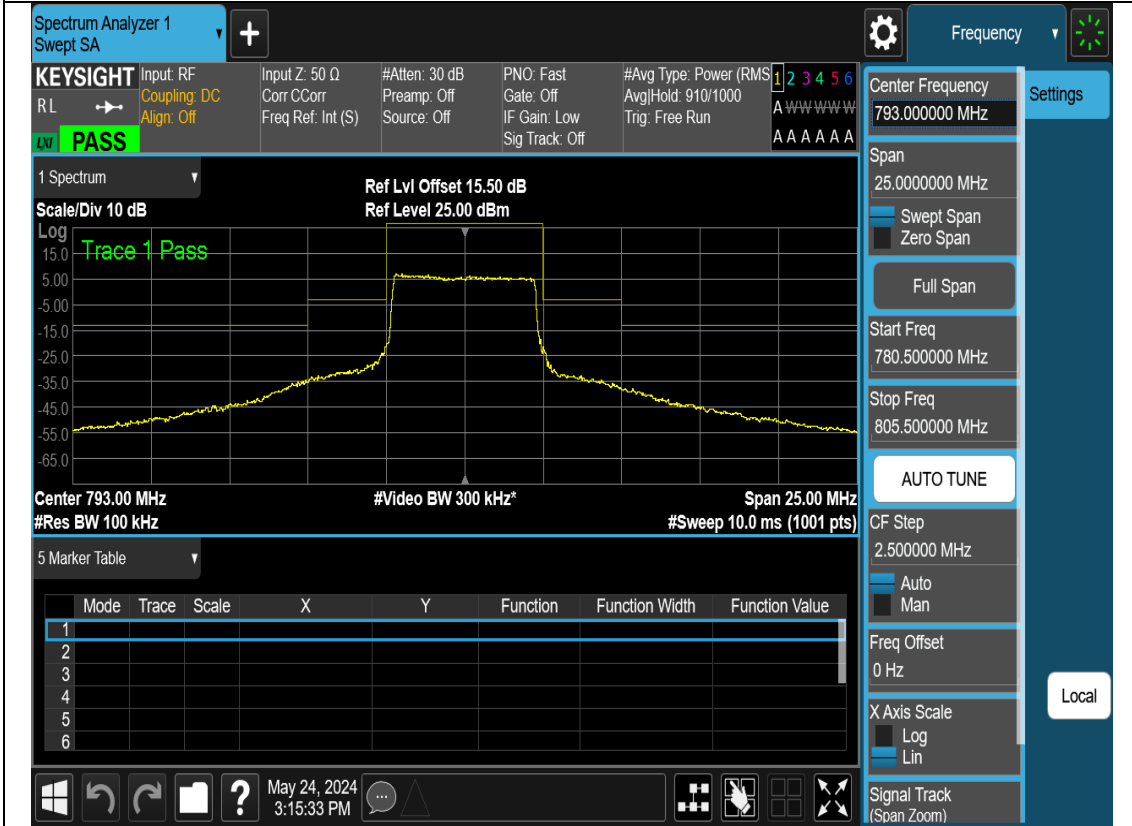
N14-5M-Emission mask-M-DFT-s-OFDM-Pi2 BPSK-1RB0



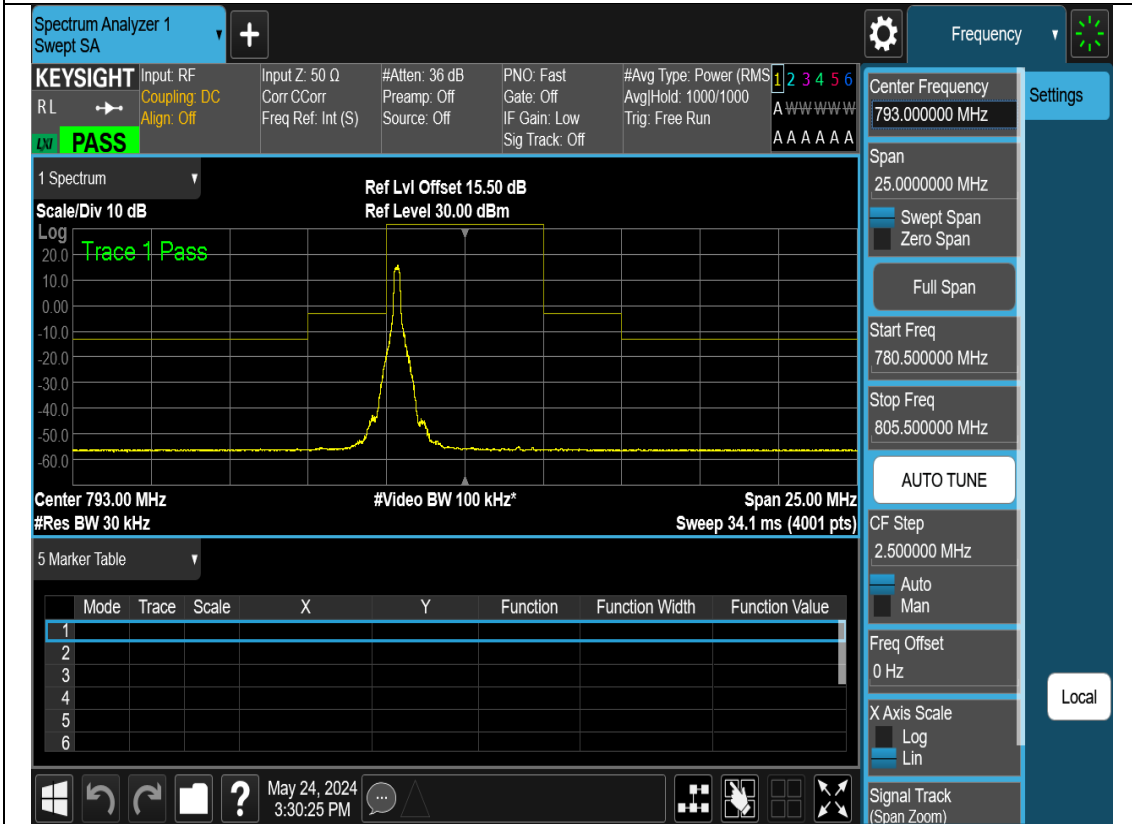
N14-5M-Emission mask-M-DFT-s-OFDM-Pi2 BPSK-1RB_Max



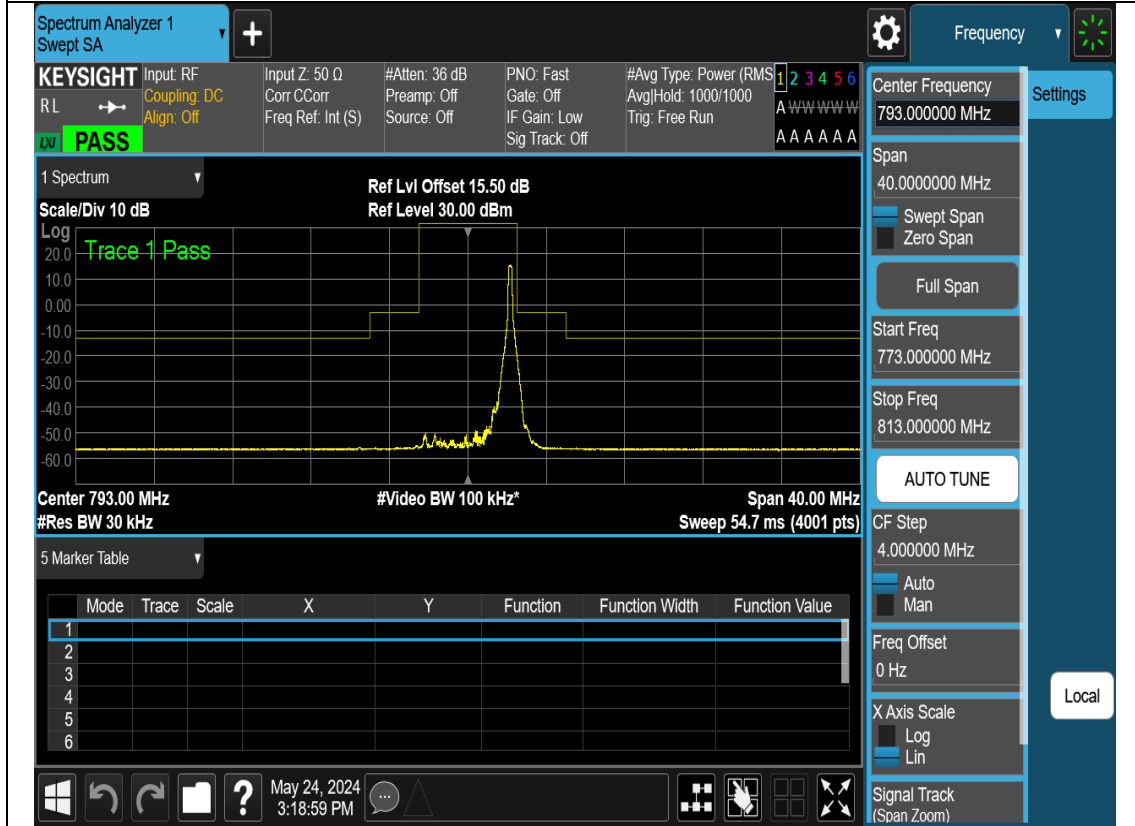
N14-5M-Emission mask-M-CP-OFDM-QPSK-Outer_Full



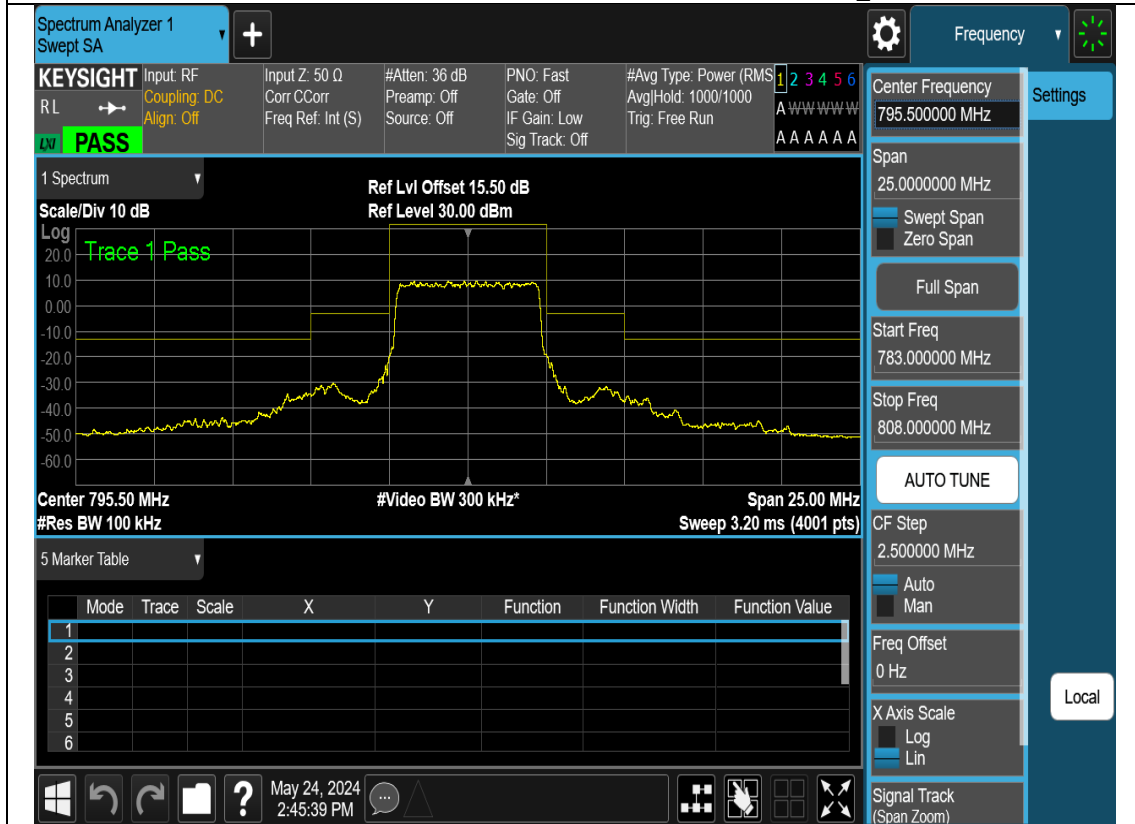
N14-5M-Emission mask-M-CP-OFDM-QPSK-1RB0



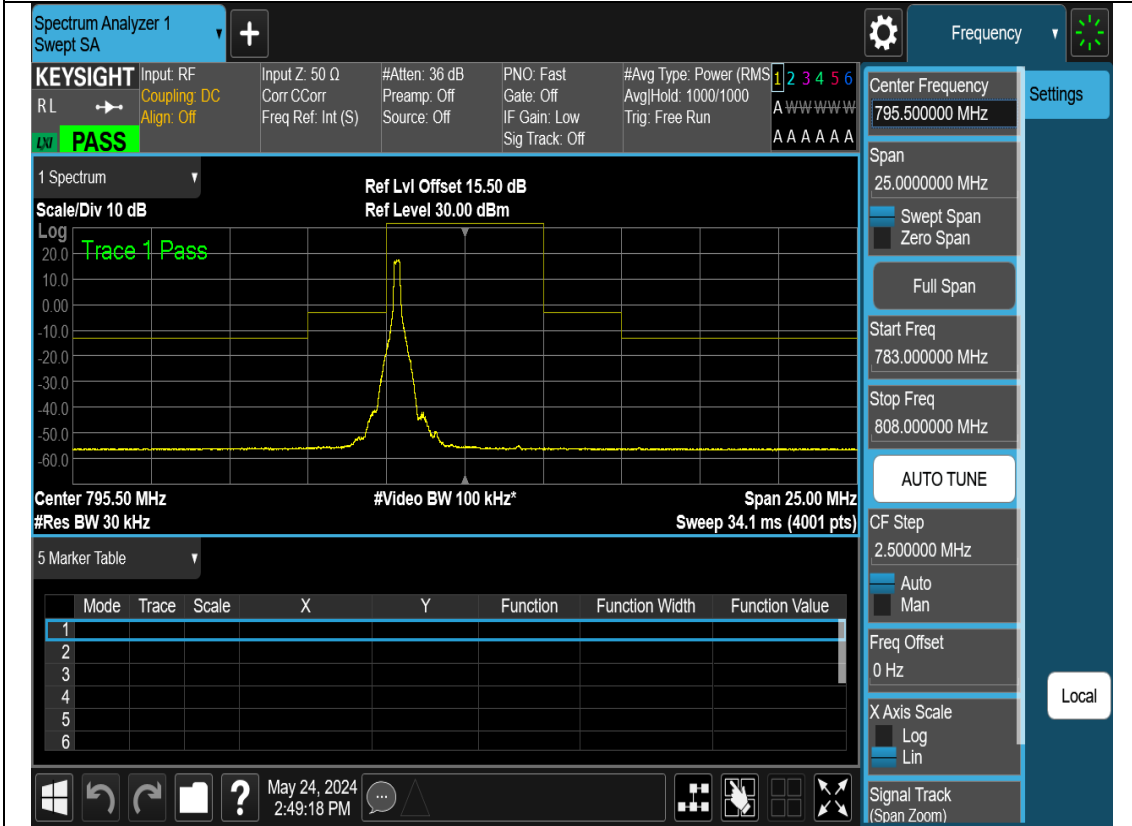
N14-5M-Emission mask-M-CP-OFDM-QPSK-1RB_Max



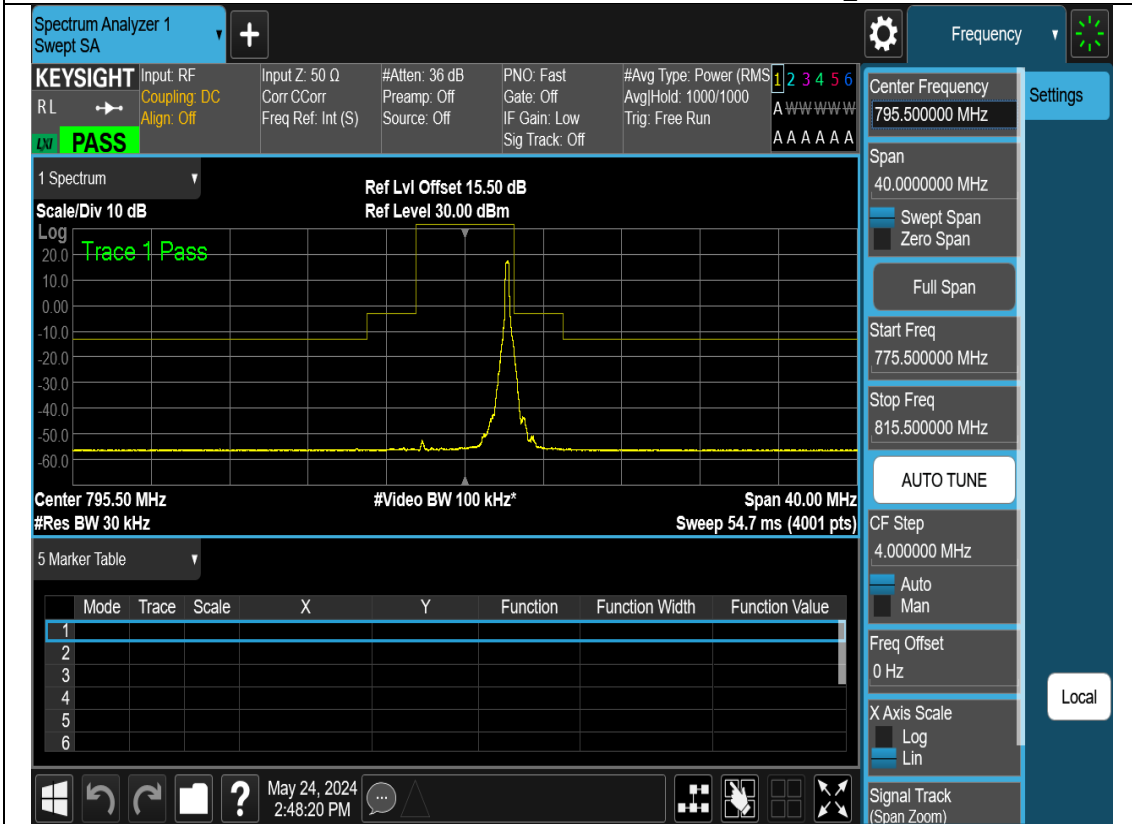
N14-5M-Emission mask-H-DFT-s-OFDM-Pi2 BPSK-Outer_Full



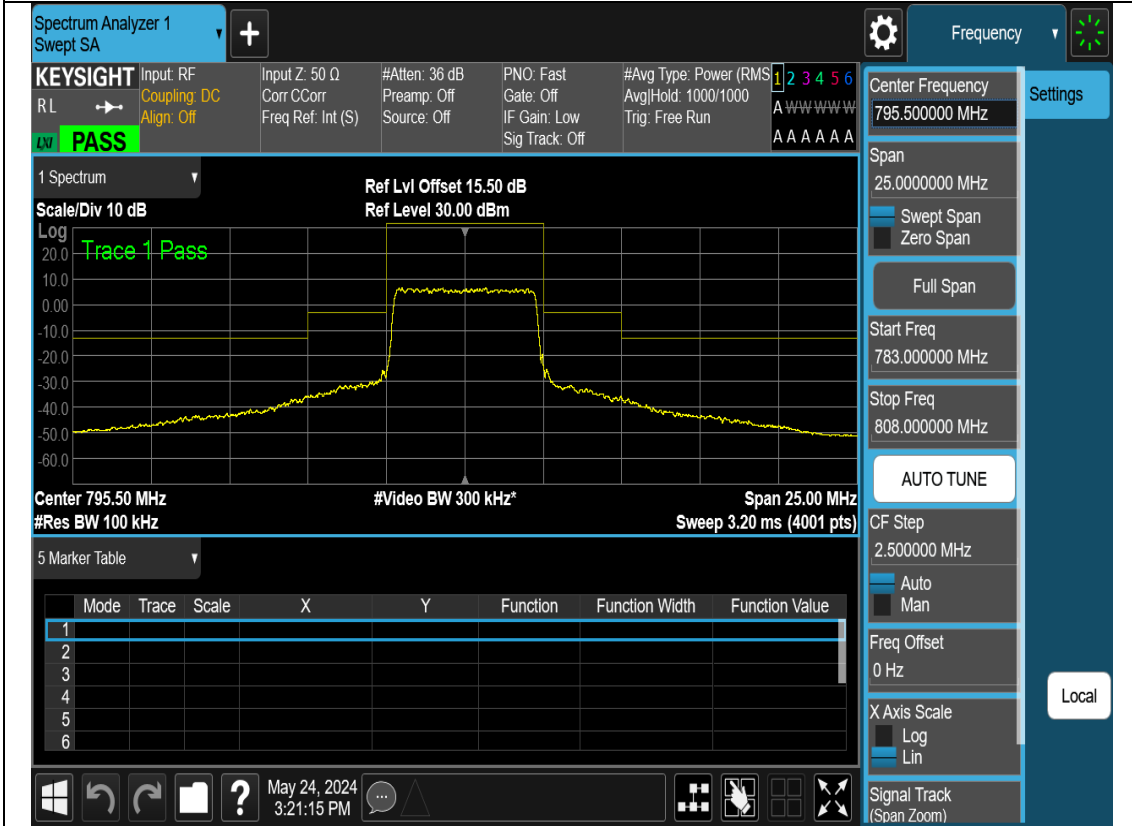
N14-5M-Emission mask-H-DFT-s-OFDM-Pi2 BPSK-1RB0



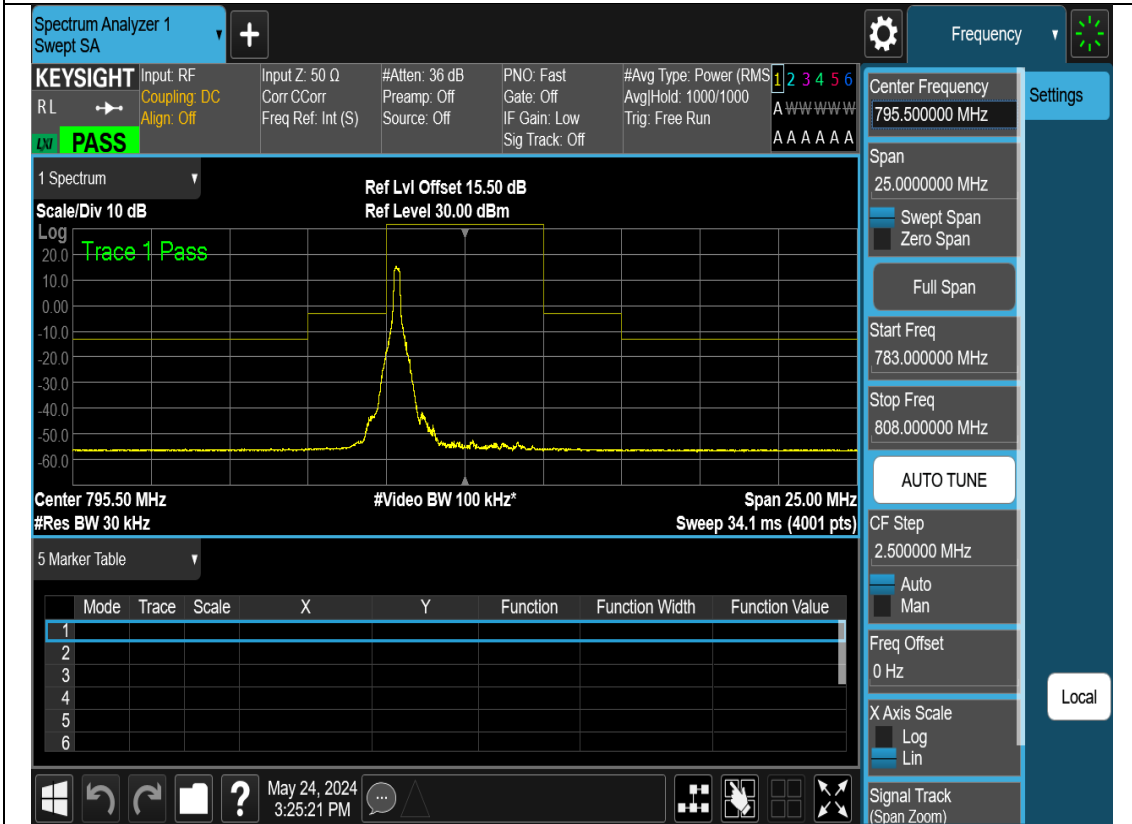
N14-5M-Emission mask-H-DFT-s-OFDM-Pi2 BPSK-1RB_Max



N14-5M-Emission mask-H-CP-OFDM-QPSK-Outer_Full



N14-5M-Emission mask-H-CP-OFDM-QPSK-1RB0



N14-5M-Emission mask-H-CP-OFDM-QPSK-1RB_Max

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF
 RL Coupling: DC
 Align: Off

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

#Atten: 36 dB
 Preamp: Off
 Source: Off

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

#Avg Type: Power (RMS)
 Avg/Hold: 1000/1000
 Trig: Free Run

1 2 3 4 5 6
 A www www www
 A A A A A A A

Center Frequency 795.500000 MHz

Span 40.000000 MHz

Swept Span
 Zero Span

Full Span

Start Freq 775.500000 MHz

Stop Freq 815.500000 MHz

AUTO TUNE

CF Step 4.000000 MHz

Auto
 Man

Freq Offset 0 Hz

X Axis Scale
 Log
 Lin

Signal Track (Span Zoom)

Local

1 Spectrum
 Scale/Div 10 dB
 Log
 Trace 1 Pass
 Ref Lvl Offset 15.50 dB
 Ref Level 30.00 dBm

Center 795.50 MHz
 #Res BW 30 kHz
 #Video BW 100 kHz*
 Span 40.00 MHz
 Sweep 54.7 ms (4001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1							
2							
3							
4							
5							
6							

May 24, 2024 3:24:23 PM

N14-10M-Emission mask-M-DFT-s-OFDM-Pi2 BPSK-Outer_Full

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF
 RL Coupling: DC
 Align: Off

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

#Atten: 36 dB
 Preamp: Off
 Source: Off

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

#Avg Type: Power (RMS)
 Avg/Hold: 1000/1000
 Trig: Free Run

1 2 3 4 5 6
 A www www www
 A A A A A A A

Center Frequency 793.000000 MHz

Span 50.000000 MHz

Swept Span
 Zero Span

Full Span

Start Freq 768.000000 MHz

Stop Freq 818.000000 MHz

AUTO TUNE

CF Step 5.000000 MHz

Auto
 Man

Freq Offset 0 Hz

X Axis Scale
 Log
 Lin

Signal Track (Span Zoom)

Local

1 Spectrum
 Scale/Div 10 dB
 Log
 Trace 1 Pass
 Ref Lvl Offset 15.50 dB
 Ref Level 30.00 dBm

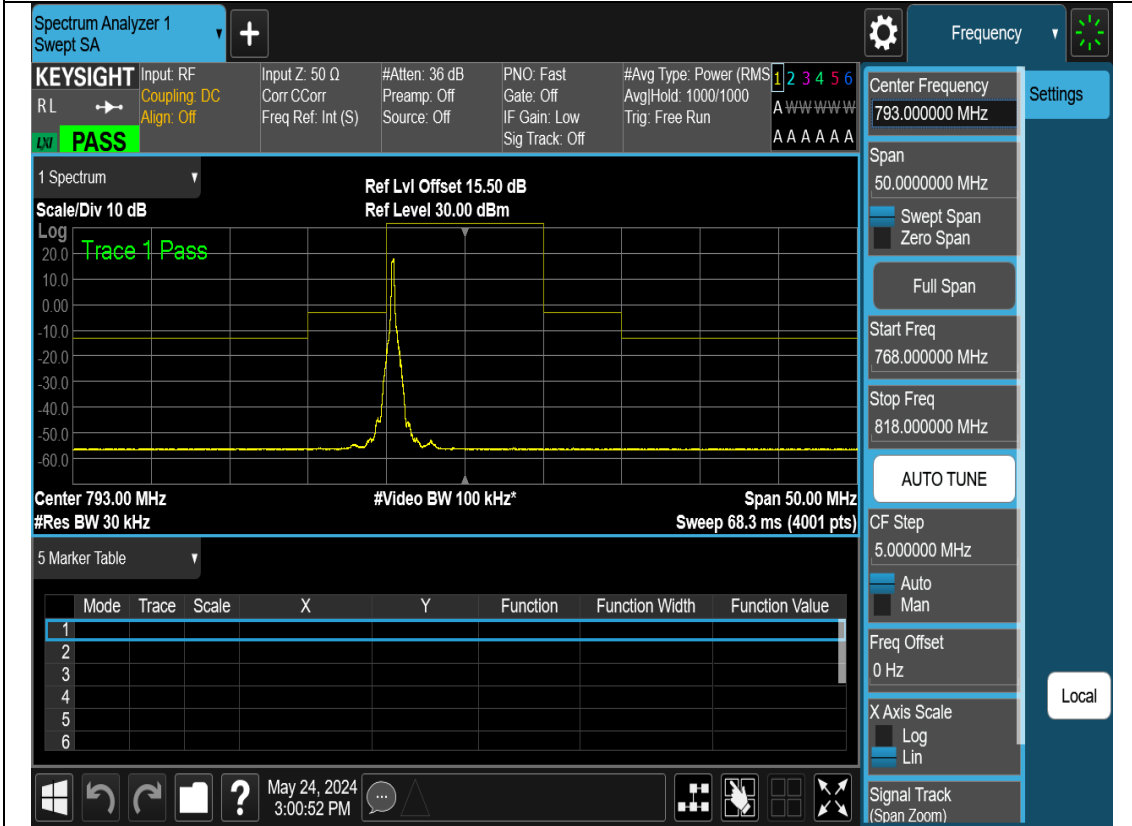
Center 793.00 MHz
 #Res BW 150 kHz
 #Video BW 470 kHz*
 Span 50.00 MHz
 #Sweep 10.0 ms (1001 pts)

5 Marker Table

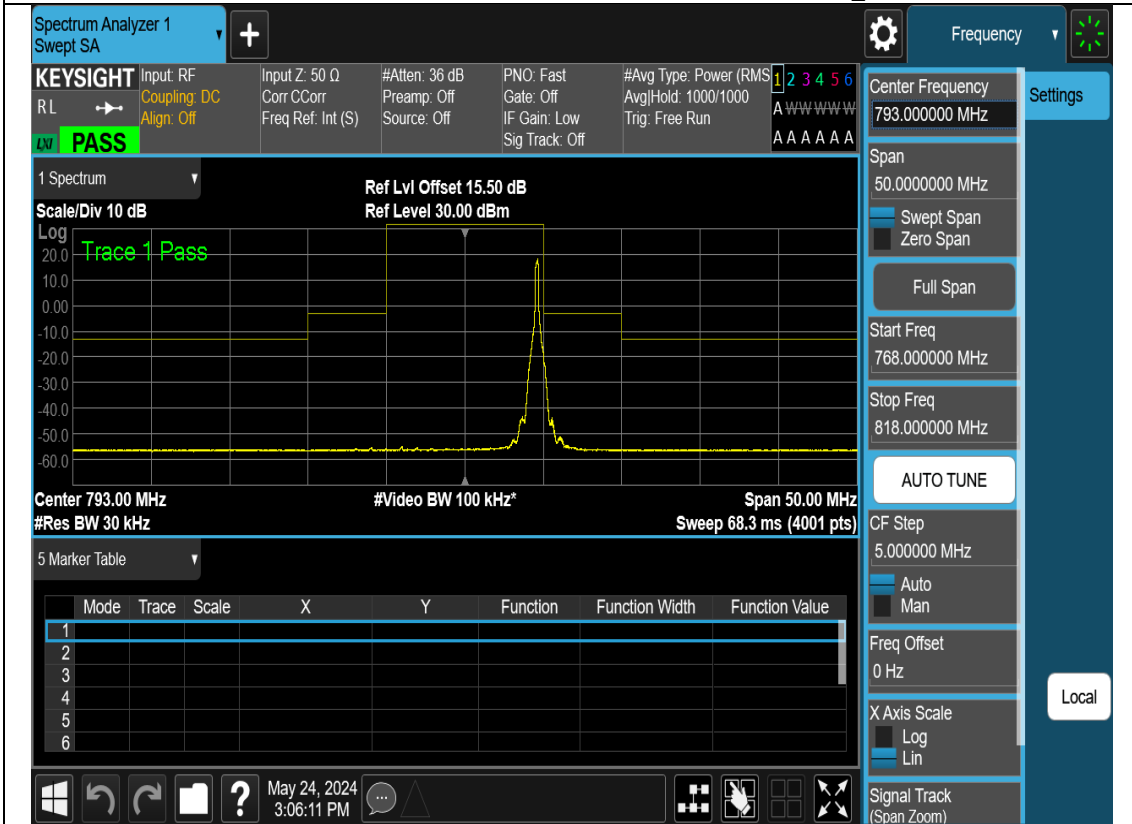
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1							
2							
3							
4							
5							
6							

May 24, 2024 2:58:49 PM

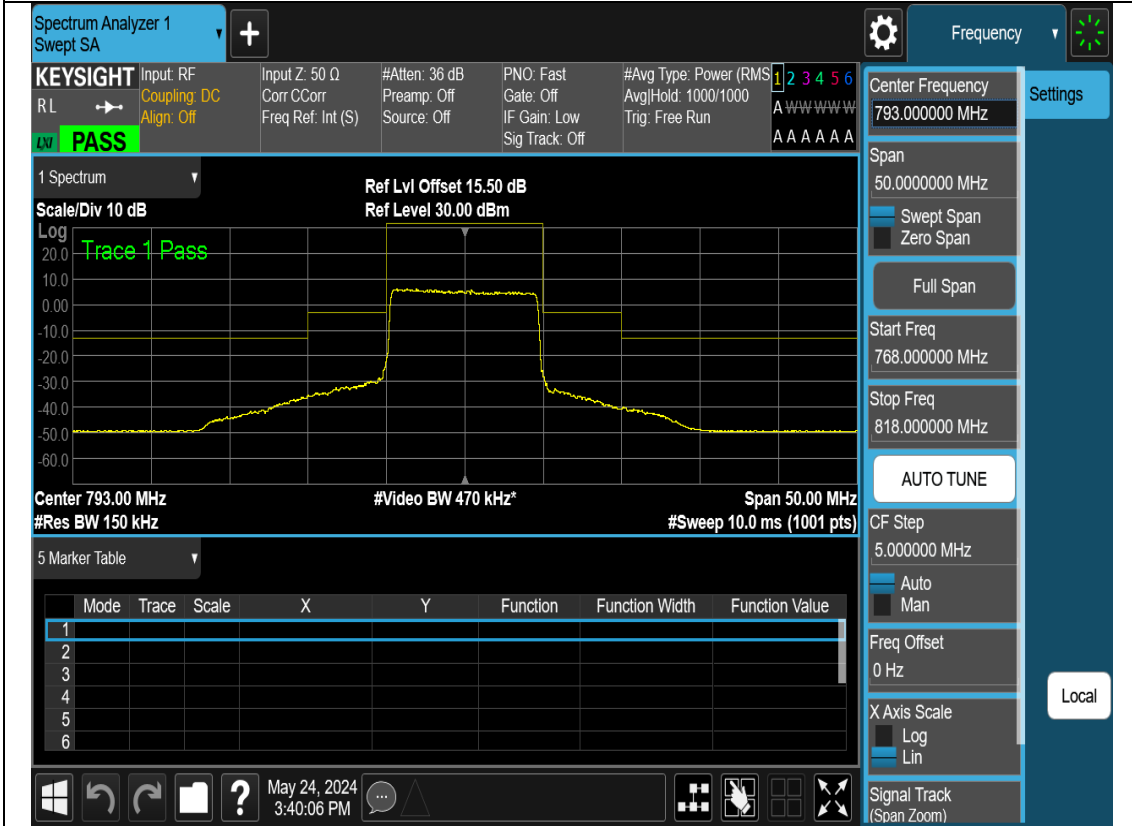
N14-10M-Emission mask-M-DFT-s-OFDM-Pi2 BPSK-1RB0



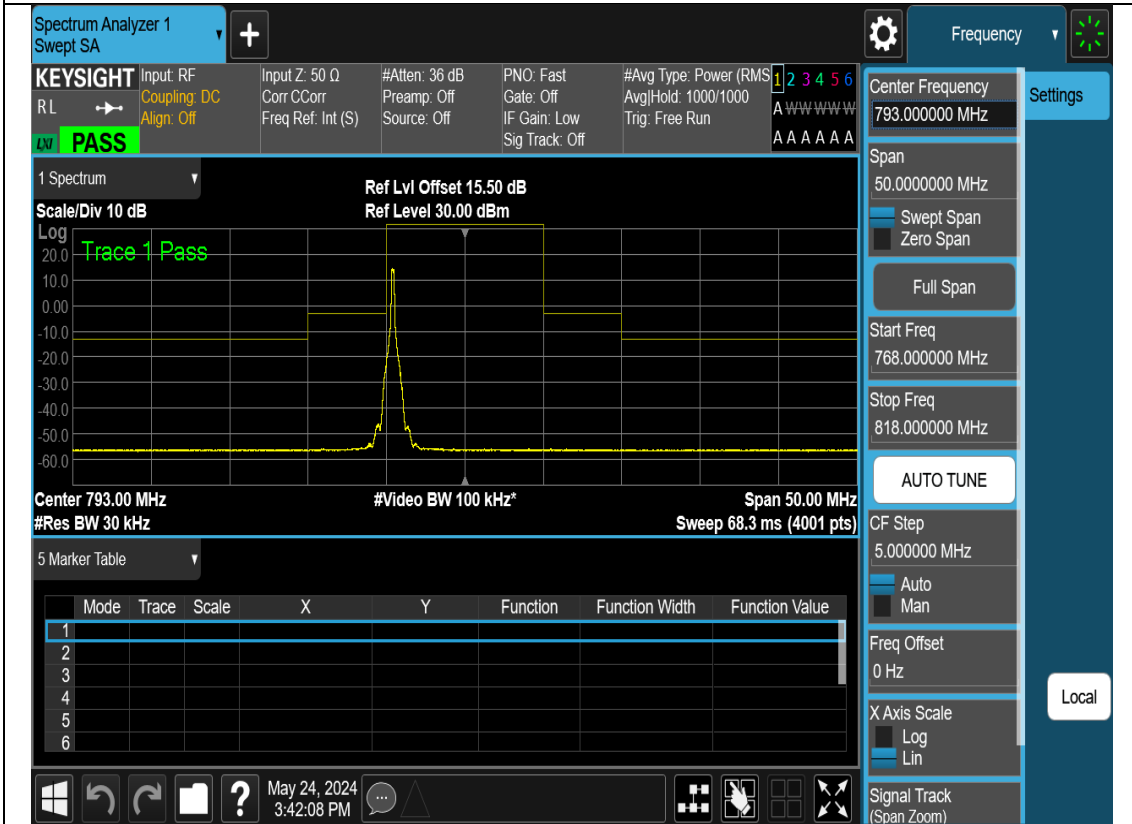
N14-10M-Emission mask-M-DFT-s-OFDM-Pi2 BPSK-1RB_Max



N14-10M-Emission mask-M-CP-OFDM-QPSK-Outer_Full



N14-10M-Emission mask-M-CP-OFDM-QPSK-1RB0



N14-10M-Emission mask-M-CP-OFDM-QPSK-1RB_Max

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input RF
 RL Coupling: DC
Align: Off

Input Z: 50 Ω #Atten: 36 dB PNO: Fast #Avg Type: Power (RMS) 1 2 3 4 5 6
 Corr: C Corr Preamp: Off Gate: Off Avg/Hold: 1000/1000
 Freq Ref: Int (S) Source: Off IF Gain: Low Trig: Free Run A www www w
LV PASS Sig Track: Off A A A A A A

1 Spectrum Ref Lvl Offset 15.50 dB
 Scale/Div 10 dB Ref Level 30.00 dBm

Center 793.00 MHz #Video BW 100 kHz* Span 50.00 MHz
 #Res BW 30 kHz Sweep 68.3 ms (4001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1							
2							
3							
4							
5							
6							

Frequency

Center Frequency
793.000000 MHz

Span
50.000000 MHz

Swept Span
Zero Span

Full Span

Start Freq
768.000000 MHz

Stop Freq
818.000000 MHz

AUTO TUNE

CF Step
5.000000 MHz

Auto
Man

Freq Offset
0 Hz

X Axis Scale
Log
Lin

Signal Track
(Span Zoom)

Settings

Local

Windows taskbar: May 24, 2024 3:44:45 PM

Conducted spurious emissions test graph



N14-5M-CSE-L-CP-OFDM-QPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Off

Input Z: 50 Ω Corr: C Corr Freq Ref: Int (S) #Atten: 36 dB Preamp: Off Source: Off PNO: Fast Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) Avg/Hold: 100/100 Trig: Free Run

Center Frequency: 5.015000000 GHz

Span: 9.970000000 GHz

Scale/Div 10 dB Ref Lvl Offset 15.50 dB Ref Level 30.00 dBm

Mkr2 3.867 3 GHz -32.195 dBm

Start 30 MHz #Res BW 1.0 MHz Stop 10.000 GHz #Video BW 3.0 MHz* Sweep ~18.8 ms (25001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	762.6 MHz	-37.93 dBm		
2	N	1	f	3.867 3 GHz	-32.20 dBm		
3							
4							
5							
6							

May 24, 2024 3:12:26 PM

N14-5M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Off

Input Z: 50 Ω Corr: C Corr Freq Ref: Int (S) #Atten: 36 dB Preamp: Off Source: Off PNO: Fast Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) Avg/Hold: 100/100 Trig: Free Run

Center Frequency: 5.015000000 GHz

Span: 9.970000000 GHz

Scale/Div 10 dB Ref Lvl Offset 15.50 dB Ref Level 30.00 dBm

Mkr2 3.890 0 GHz -32.187 dBm

Start 30 MHz #Res BW 1.0 MHz Stop 10.000 GHz #Video BW 3.0 MHz* Sweep ~18.8 ms (25001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	763.0 MHz	-35.09 dBm		
2	N	1	f	3.890 0 GHz	-32.19 dBm		
3							
4							
5							
6							

May 24, 2024 1:53:23 PM

N14-5M-CSE-M-CP-OFDM-QPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Off

Input Z: 50 Ω Corr: C Corr Freq Ref: Int (S) #Atten: 36 dB Preamp: Off Source: Off PNO: Fast Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) 1 2 3 4 5 6 Avg/Hold: 100/100 Trig: Free Run

Center Frequency 5.015000000 GHz

Span 9.970000000 GHz

Scale/Div 10 dB Ref Lvl Offset 15.50 dB Ref Level 30.00 dBm

Mkr2 3.876 4 GHz -32.020 dBm

Start 30 MHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 10.000 GHz Sweep ~18.8 ms (25001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	762.6 MHz	-36.42 dBm		
2	N	1	f	3.876 4 GHz	-32.02 dBm		
3							
4							
5							
6							

May 24, 2024 3:17:34 PM

N14-5M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Off

Input Z: 50 Ω Corr: C Corr Freq Ref: Int (S) #Atten: 36 dB Preamp: Off Source: Off PNO: Fast Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) 1 2 3 4 5 6 Avg/Hold: 100/100 Trig: Free Run

Center Frequency 5.015000000 GHz

Span 9.970000000 GHz

Scale/Div 10 dB Ref Lvl Offset 15.50 dB Ref Level 30.00 dBm

Mkr2 3.836 1 GHz -31.838 dBm

Start 30 MHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 10.000 GHz Sweep ~18.8 ms (25001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	766.2 MHz	-35.98 dBm		
2	N	1	f	3.836 1 GHz	-31.84 dBm		
3							
4							
5							
6							

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N14-5M-CSE-H-CP-OFDM-QPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Off

Input Z: 50 Ω Corr: C Corr Freq Ref: Int (S) #Atten: 36 dB Preamp: Off Source: Off PNO: Fast Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) 1 2 3 4 5 6 Avg/Hold: 100/100 Trig: Free Run

Center Frequency: 5.015000000 GHz

Span: 9.970000000 GHz

Scale/Div 10 dB Ref Lvl Offset 15.50 dB Ref Level 30.00 dBm

Mkr2 3.819 8 GHz -31.986 dBm

Start 30 MHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 10.000 GHz Sweep ~18.8 ms (25001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	765.4 MHz	-36.60 dBm		
2	N	1	f	3.819 8 GHz	-31.99 dBm		
3							
4							
5							
6							

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N14-10M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Off

Input Z: 50 Ω Corr: C Corr Freq Ref: Int (S) #Atten: 36 dB Preamp: Off Source: Off PNO: Fast Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) 1 2 3 4 5 6 Avg/Hold: 100/100 Trig: Free Run

Center Frequency: 5.015000000 GHz

Span: 9.970000000 GHz

Scale/Div 10 dB Ref Lvl Offset 15.50 dB Ref Level 30.00 dBm

Mkr2 3.854 1 GHz -31.916 dBm

Start 30 MHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 10.000 GHz Sweep ~18.8 ms (25001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	762.2 MHz	-36.67 dBm		
2	N	1	f	3.854 1 GHz	-31.92 dBm		
3							
4							
5							
6							

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N14-10M-CSE-M-CP-OFDM-QPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input RF
RL → Coupling: DC
Align: Off

Input Z: 50 Ω #Atten: 36 dB PNO: Fast #Avg Type: Power (RMS) 1 2 3 4 5 6
Corr: CCorr Preamp: Off Gate: Off Avg/Hold: 100/100
Freq Ref: Int (S) Source: Off IF Gain: Low Trig: Free Run A www www
Sig Track: Off A A A A A A

1 Spectrum Ref Lvl Offset 15.50 dB **Mkr2 3.847 7 GHz**
Scale/Div 10 dB Ref Level 30.00 dBm **-32.109 dBm**

Start 30 MHz #Video BW 3.0 MHz* Stop 10.000 GHz
#Res BW 1.0 MHz Sweep ~18.8 ms (25001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	763.0 MHz	-34.27 dBm		
2	N	1	f	3.847 7 GHz	-32.11 dBm		
3							
4							
5							
6							

Frequency

Center Frequency
5.015000000 GHz

Span
9.97000000 GHz

Swept Span
Zero Span

Full Span

Start Freq
30.000000 MHz

Stop Freq
10.000000000 GHz

AUTO TUNE

CF Step
997.000000 MHz

Auto
Man

Freq Offset
0 Hz

X Axis Scale
Log
Lin

Signal Track
(Span Zoom)

Settings

Local

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