

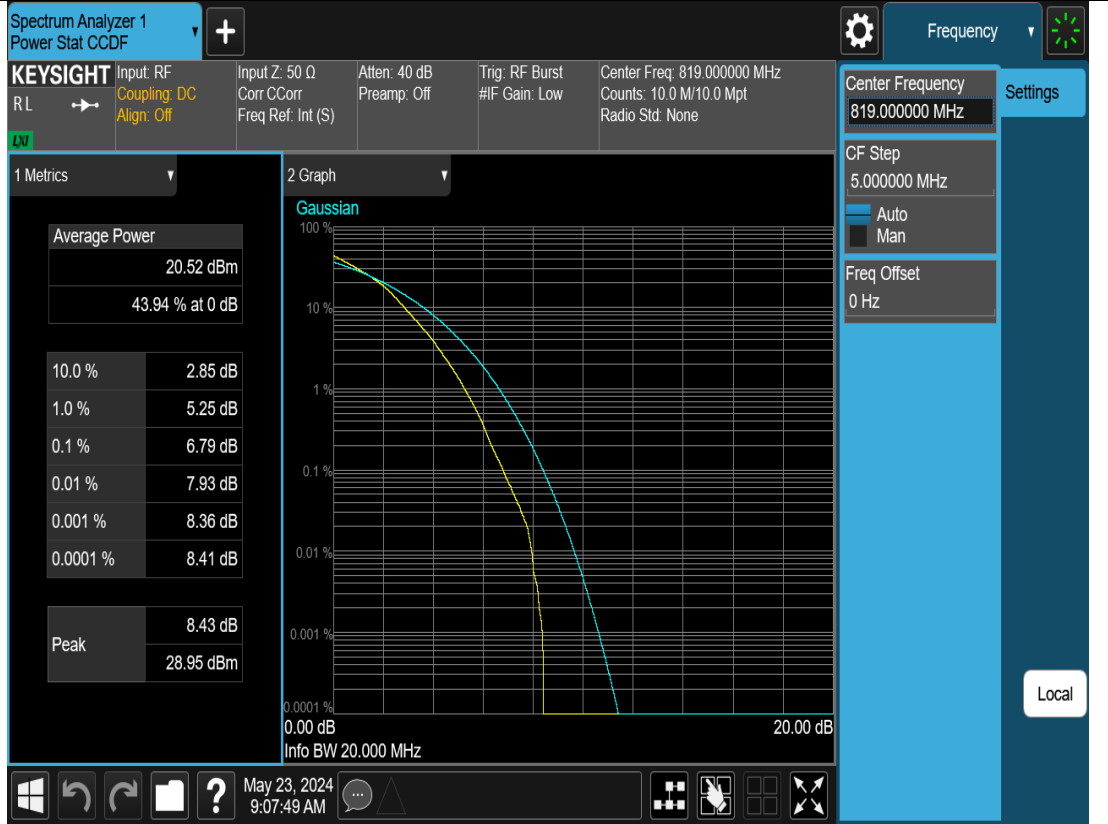
N26a(814-824MHz)-10M-PAPR-M-DFT-s-OFDM-16QAM-Outer_Full



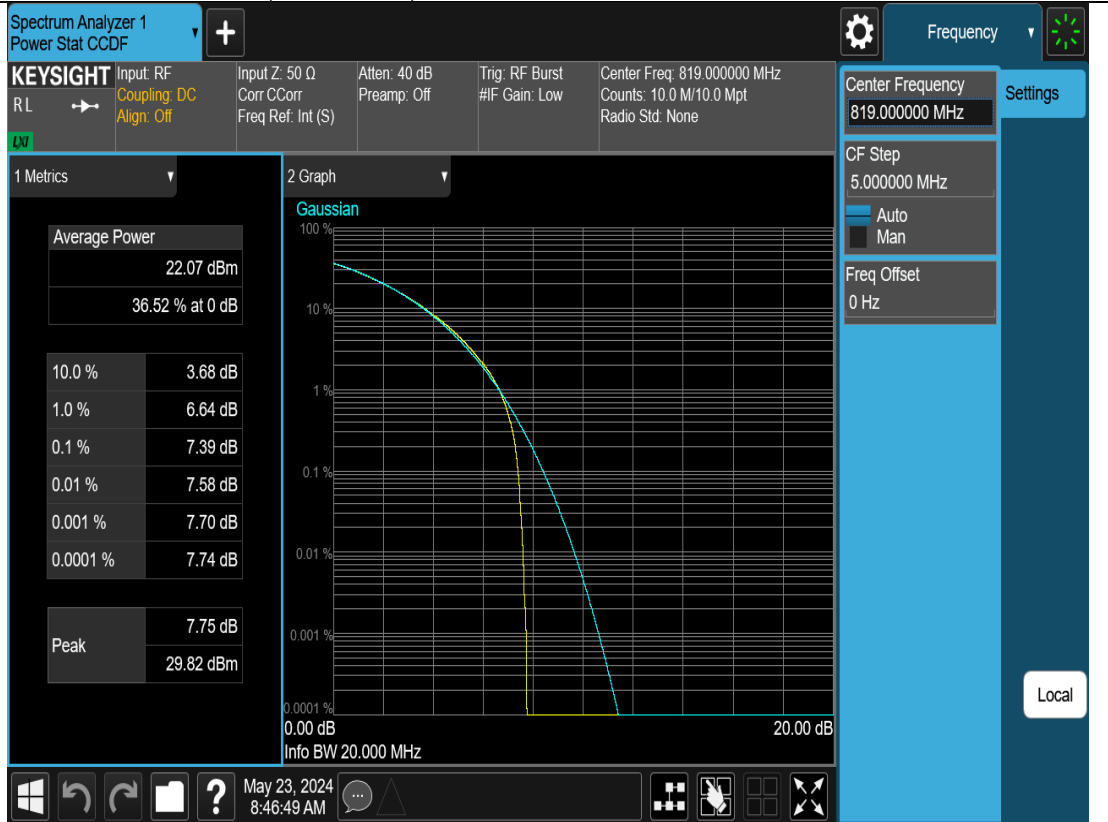
N26a(814-824MHz)-10M-PAPR-M-DFT-s-OFDM-64QAM-Outer_Full



N26a(814-824MHz)-10M-PAPR-M-DFT-s-OFDM-256QAM-Outer_Full



N26a(814-824MHz)-10M-PAPR-M-CP-OFDM-QPSK-Outer_Full



N26a(814-824MHz)-10M-PAPR-M-CP-OFDM-16QAM-Outer_Full

Spectrum Analyzer 1
Power Stat CCDF

KEYSIGHT Input RF
RL → Coupling: DC
Align: Off

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

Atten: 40 dB
Preamp: Off

Trig: RF Burst
#IF Gain: Low

Center Freq: 819.000000 MHz
Counts: 10.0 M/10.0 Mpt
Radio Std: None

Center Frequency: 819.000000 MHz
CF Step: 5.000000 MHz
Auto
Man
Freq Offset: 0 Hz

1 Metrics

Average Power
22.01 dBm
36.34 % at 0 dB

10.0 %	3.72 dB
1.0 %	6.57 dB
0.1 %	7.44 dB
0.01 %	7.63 dB
0.001 %	7.71 dB
0.0001 %	7.74 dB

Peak
7.75 dB
29.76 dBm

2 Graph
Gaussian

0.0001 %
0.00 dB
Info BW 20.000 MHz

May 23, 2024
9:08:42 AM

Local

N26a(814-824MHz)-10M-PAPR-M-CP-OFDM-64QAM-Outer_Full

Spectrum Analyzer 1
Power Stat CCDF

KEYSIGHT Input RF
RL → Coupling: DC
Align: Off

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

Atten: 40 dB
Preamp: Off

Trig: RF Burst
#IF Gain: Low

Center Freq: 819.000000 MHz
Counts: 10.0 M/10.0 Mpt
Radio Std: None

Center Frequency: 819.000000 MHz
CF Step: 5.000000 MHz
Auto
Man
Freq Offset: 0 Hz

1 Metrics

Average Power
21.55 dBm
36.81 % at 0 dB

10.0 %	3.71 dB
1.0 %	6.44 dB
0.1 %	7.08 dB
0.01 %	7.24 dB
0.001 %	7.31 dB
0.0001 %	7.34 dB

Peak
7.36 dB
28.91 dBm

2 Graph
Gaussian

0.0001 %
0.00 dB
Info BW 20.000 MHz

May 23, 2024
9:09:34 AM

Local

N26a(814-824MHz)-10M-PAPR-M-CP-OFDM-256QAM-Outer_Full

Spectrum Analyzer 1
Power Stat CCDF

KEYSIGHT Input RF
RL Coupling: DC
Align: Off

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

Atten: 40 dB
Preamp: Off

Trig: RF Burst
#F Gain: Low

Center Freq: 819.000000 MHz
Counts: 10.0 M/10.0 Mpt
Radio Std: None

Center Frequency: 819.000000 MHz
CF Step: 5.000000 MHz
Auto
Man
Freq Offset: 0 Hz

1 Metrics

Average Power	18.50 dBm
	36.66 % at 0 dB
10.0 %	3.57 dB
1.0 %	6.65 dB
0.1 %	8.22 dB
0.01 %	9.15 dB
0.001 %	10.08 dB
0.0001 %	10.12 dB

Peak

10.14 dB
28.64 dBm

2 Graph

Gaussian

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

0.00 dB
20.00 dB

Info BW 20.000 MHz

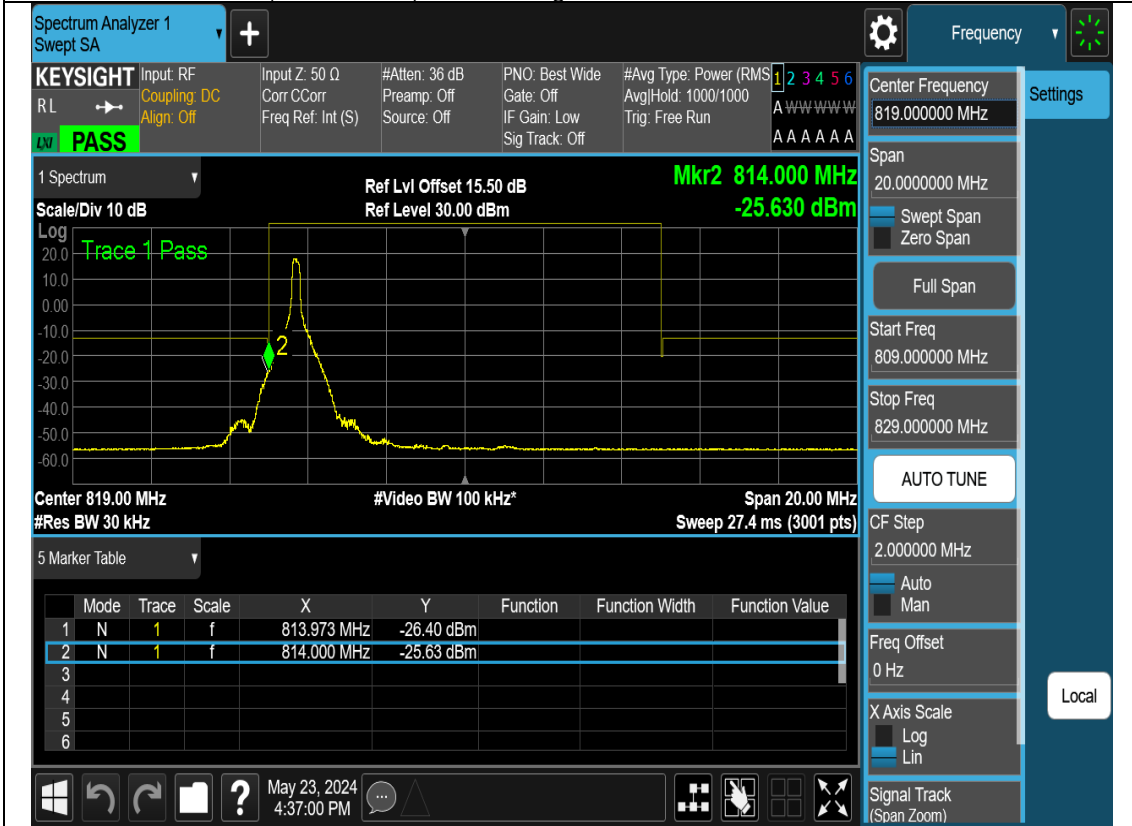
Local

May 23, 2024
9:10:26 AM

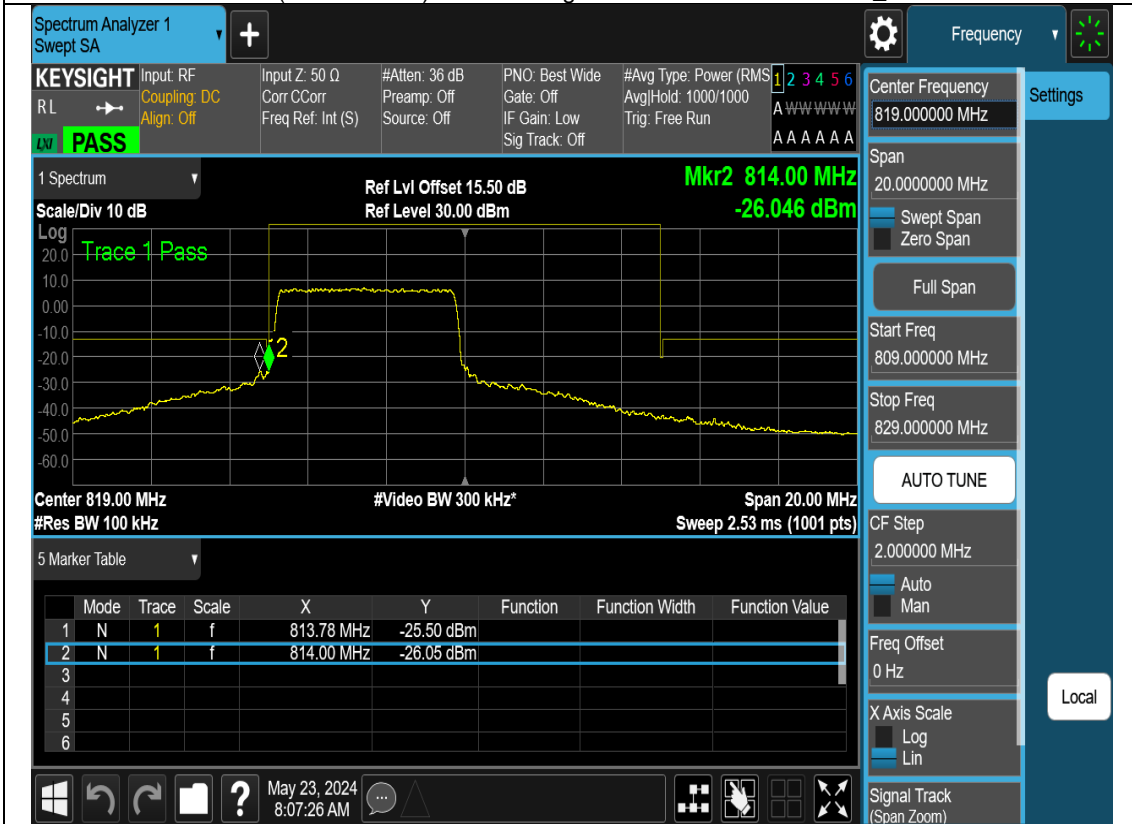
Bandedge test graph



N26a(814-824MHz)-5M-Bandedge-L-DFT-s-OFDM-Pi2 BPSK-1RB0



N26a(814-824MHz)-5M-Bandedge-L-CP-OFDM-QPSK-Outer_Full



N26a(814-824MHz)-5M-Bandedge-L-CP-OFDM-QPSK-1RB0

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Input Z: 50 Ω #Atten: 36 dB PNO: Best Wide #Avg Type: Power (RMS) 1 2 3 4 5 6
 RL Coupling: DC Corr CCorr Preamp: Off Gate: Off Avg/Hold: 1000/1000 A www www www
 Align: Off Freq Ref: Int (S) Source: Off IF Gain: Low Trig: Free Run A A A A A A

1 Spectrum Ref Lvl Offset 15.50 dB Mkr2 814.000 MHz
 Scale/Div 10 dB Ref Level 30.00 dBm -21.911 dBm

Center 819.00 MHz #Video BW 100 kHz* Span 20.00 MHz
 #Res BW 30 kHz Sweep 27.4 ms (3001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	813.980 MHz	-22.53 dBm		
2	N	1	f	814.000 MHz	-21.91 dBm		
3							
4							
5							
6							

May 23, 2024 4:57:29 PM

N26a(814-824MHz)-5M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-Outer_Full

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Input Z: 50 Ω #Atten: 36 dB PNO: Best Wide #Avg Type: Power (RMS) 1 2 3 4 5 6
 RL Coupling: DC Corr CCorr Preamp: Off Gate: Off Avg/Hold: 1000/1000 A www www www
 Align: Off Freq Ref: Int (S) Source: Off IF Gain: Low Trig: Free Run A A A A A A

1 Spectrum Ref Lvl Offset 15.50 dB Mkr2 824.000 MHz
 Scale/Div 10 dB Ref Level 30.00 dBm -24.826 dBm

Center 819.00 MHz #Video BW 300 kHz* Span 20.00 MHz
 #Res BW 100 kHz Sweep 2.53 ms (1001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	824.04 MHz	-21.83 dBm		
2	N	1	f	824.00 MHz	-24.83 dBm		
3							
4							
5							
6							

May 22, 2024 5:23:57 PM

N26a(814-824MHz)-5M-Bandedge-H-DFT-s-OFDM-Pi2 BPSK-1RB_MAX

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Input Z: 50 Ω #Atten: 36 dB PNO: Best Wide #Avg Type: Power (RMS) 1 2 3 4 5 6
 RL Coupling: DC Corr: C Corr Freq Ref: Int (S) Preamp: Off Gate: Off Avg/Hold: 1000/1000 A www www www
 LV PASS Align: Off Source: Off IF Gain: Low Trig: Free Run A A A A A A

Center Frequency 819.000000 MHz
 Span 20.000000 MHz
 Start Freq 809.000000 MHz
 Stop Freq 829.000000 MHz
 AUTO TUNE
 CF Step 2.000000 MHz
 Freq Offset 0 Hz
 X Axis Scale Log
 Signal Track (Span Zoom)

Ref Lvl Offset 15.50 dB
 Ref Level 30.00 dBm
 Mkr2 824.000 MHz
 -23.206 dBm

Scale/Div 10 dB
 Log
 Trace 1 Pass

Center 819.00 MHz #Res BW 30 kHz #Video BW 100 kHz* Span 20.00 MHz Sweep 27.4 ms (3001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	824.020 MHz	-21.41 dBm		
2	N	1	f	824.000 MHz	-23.21 dBm		
3							
4							
5							
6							

May 23, 2024 4:38:42 PM

N26a(814-824MHz)-5M-Bandedge-H-CP-OFDM-QPSK-Outer_Full

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Input Z: 50 Ω #Atten: 36 dB PNO: Best Wide #Avg Type: Power (RMS) 1 2 3 4 5 6
 RL Coupling: DC Corr: C Corr Freq Ref: Int (S) Preamp: Off Gate: Off Avg/Hold: 1000/1000 A www www www
 LV PASS Align: Off Source: Off IF Gain: Low Trig: Free Run A A A A A A

Center Frequency 819.000000 MHz
 Span 20.000000 MHz
 Start Freq 809.000000 MHz
 Stop Freq 829.000000 MHz
 AUTO TUNE
 CF Step 2.000000 MHz
 Freq Offset 0 Hz
 X Axis Scale Log
 Signal Track (Span Zoom)

Ref Lvl Offset 15.50 dB
 Ref Level 30.00 dBm
 Mkr2 824.00 MHz
 -24.850 dBm

Scale/Div 10 dB
 Log
 Trace 1 Pass

Center 819.00 MHz #Res BW 100 kHz #Video BW 300 kHz* Span 20.00 MHz Sweep 2.53 ms (1001 pts)

5 Marker Table

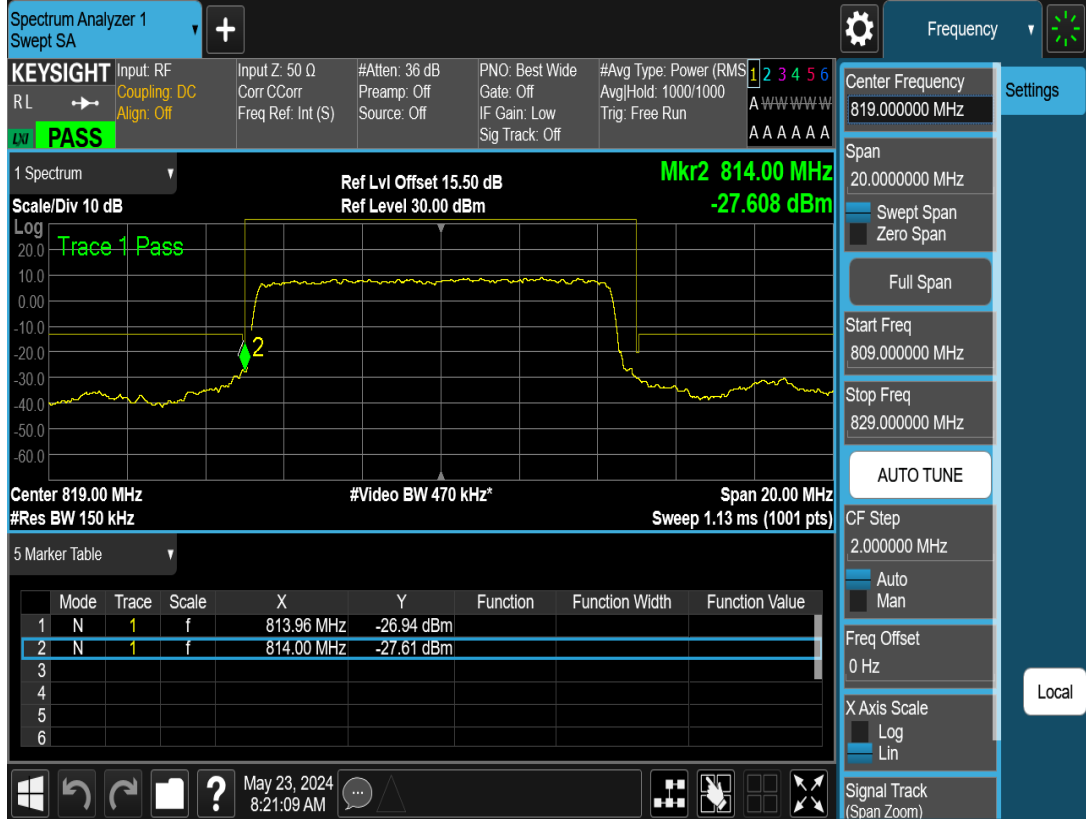
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	824.04 MHz	-21.90 dBm		
2	N	1	f	824.00 MHz	-24.85 dBm		
3							
4							
5							
6							

May 23, 2024 8:17:18 AM

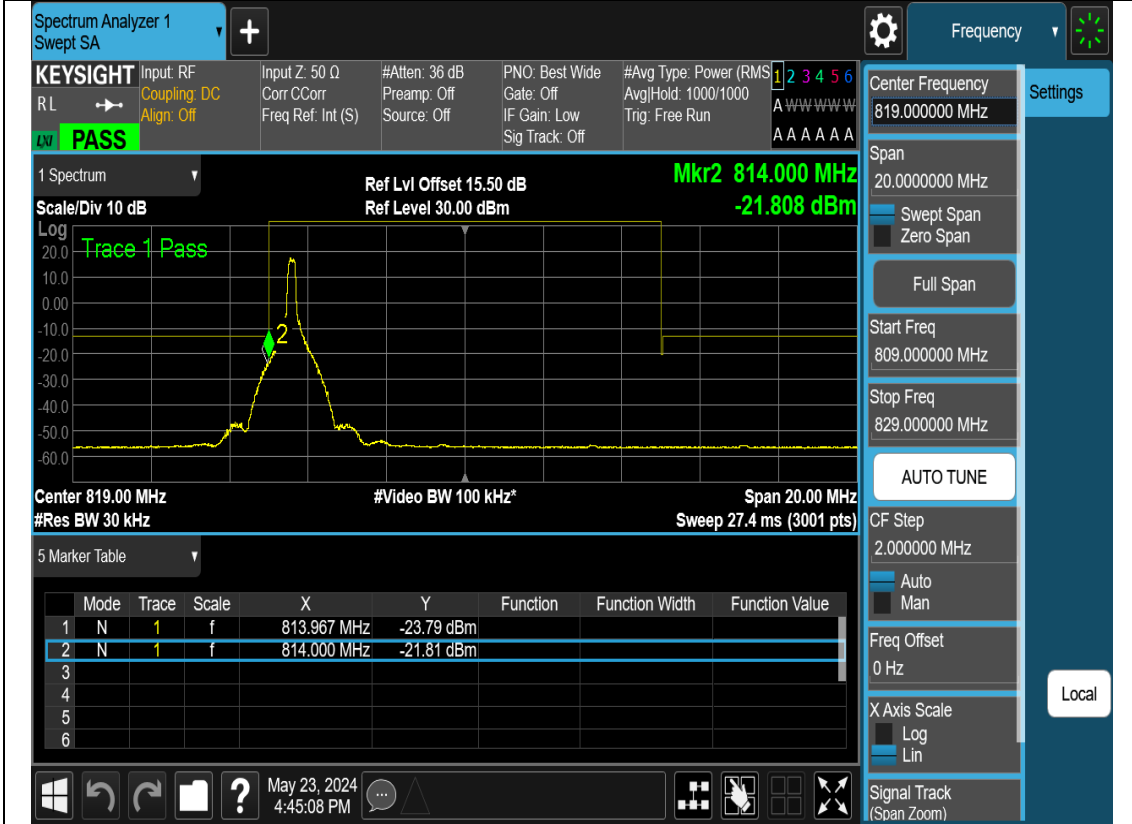
N26a(814-824MHz)-5M-Bandedge-H-CP-OFDM-QPSK-1RB_MAX



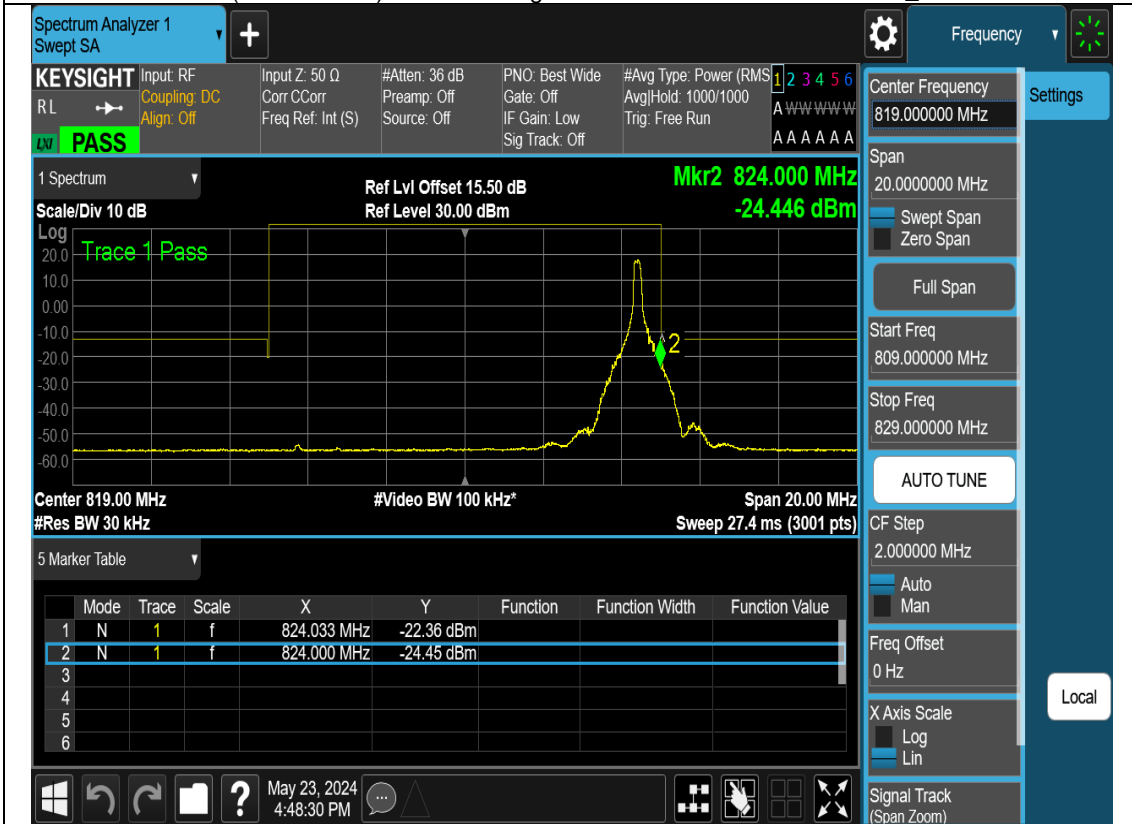
N26a(814-824MHz)-10M-Bandedge-M-DFT-s-OFDM-Pi2 BPSK-Outer_Full



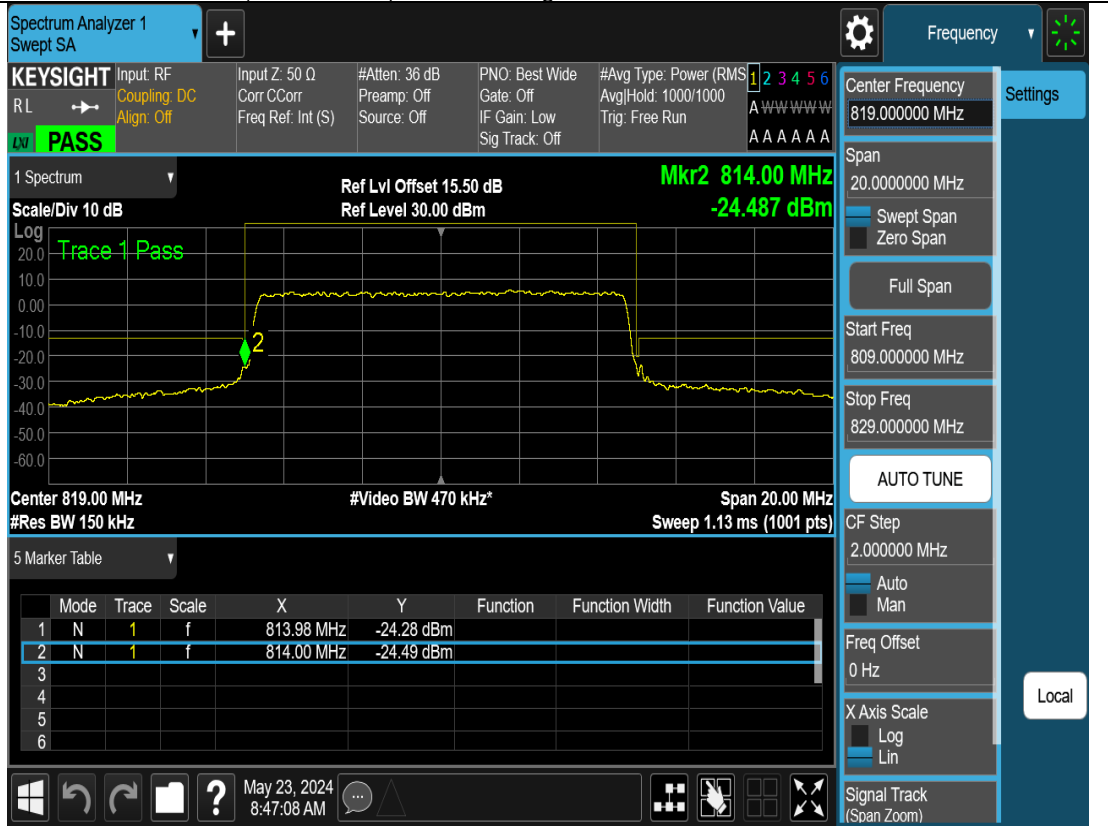
N26a(814-824MHz)-10M-Bandedge-M-DFT-s-OFDM-Pi2 BPSK-1RB0



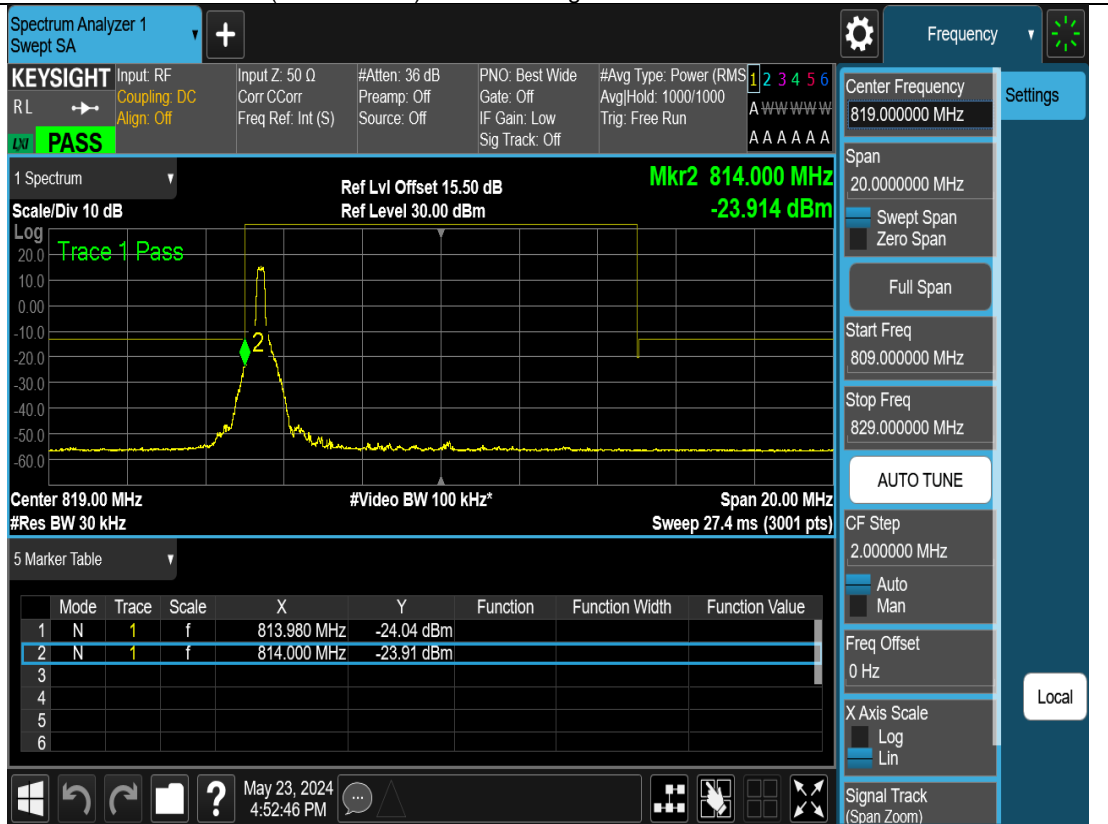
N26a(814-824MHz)-10M-Bandedge-M-DFT-s-OFDM-Pi2 BPSK-1RB_MAX



N26a(814-824MHz)-10M-Bandedge-M-CP-OFDM-QPSK-Outer_Full



N26a(814-824MHz)-10M-Bandedge-M-CP-OFDM-QPSK-1RB0



N26a(814-824MHz)-10M-Bandedge-M-CP-OFDM-QPSK-1RB_MAX

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: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off

#Avg Type: Power (RMS) 1 2 3 4 5 6
Avg/Hold: 1000/1000
Trig: Free Run
A www www
A A A A A A

Frequency

Center Frequency
819.000000 MHz

Span
20.000000 MHz

Swept Span
Zero Span

Full Span

Start Freq
809.000000 MHz

Stop Freq
829.000000 MHz

AUTO TUNE

CF Step
2.000000 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

Mkr2 824.000 MHz
-24.426 dBm

Log
Trace 1 Pass

Center 819.00 MHz
#Res BW 30 kHz
#Video BW 100 kHz*
Span 20.00 MHz
Sweep 27.4 ms (3001 pts)

5 Marker Table

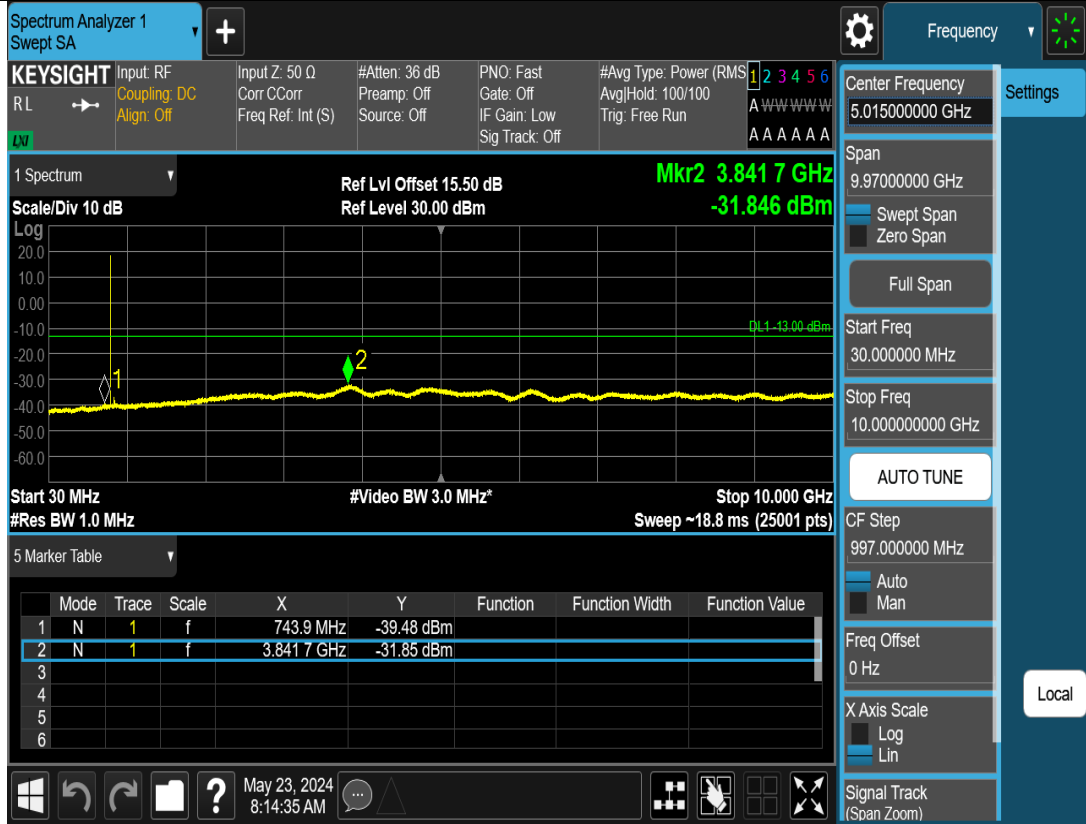
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	824.033 MHz	-25.85 dBm		
2	N	1	f	824.000 MHz	-24.43 dBm		
3							
4							
5							
6							

May 23, 2024
4:53:40 PM

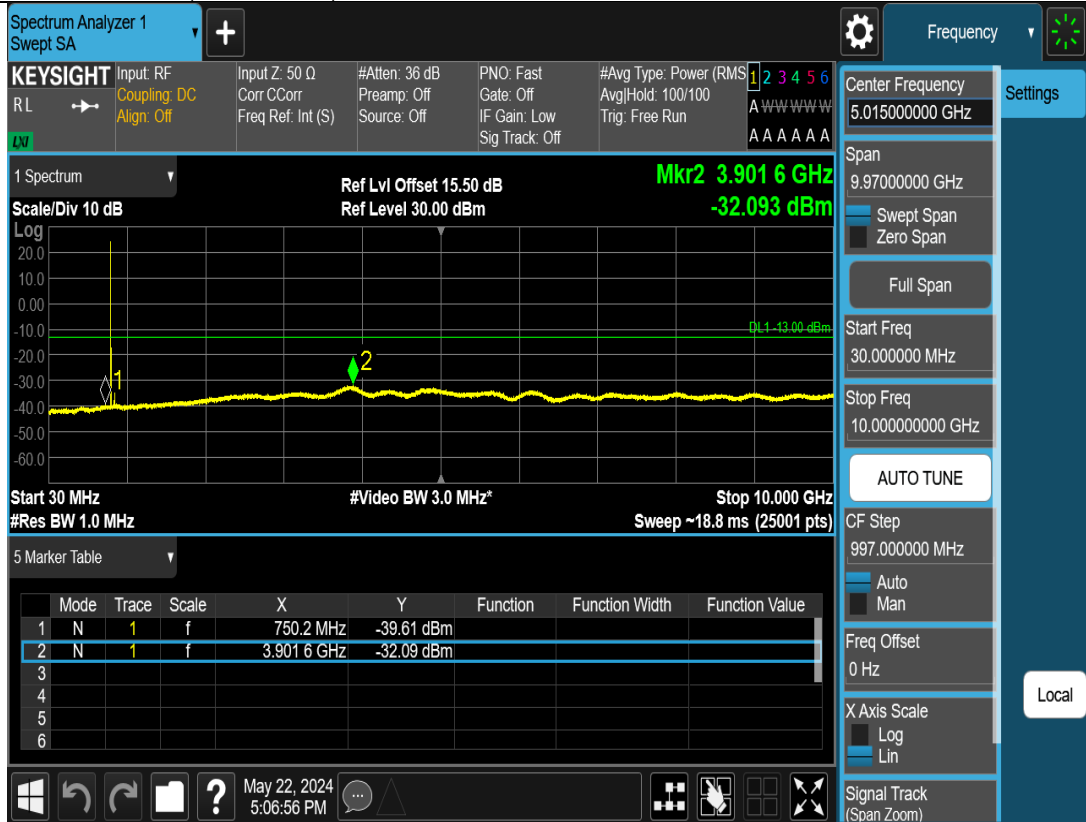
Conducted spurious emissions test graph



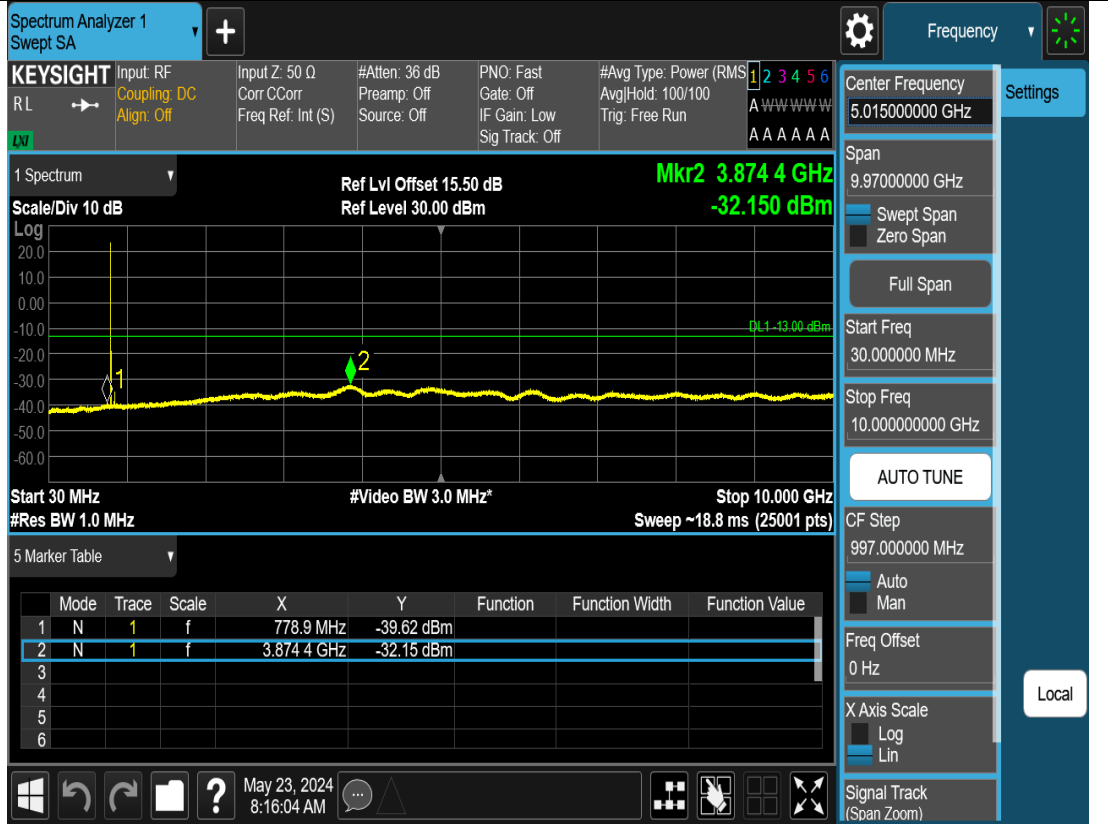
N26a(814-824MHz)-5M-CSE-L-CP-OFDM-QPSK-1RB0-30MHz-10GHz



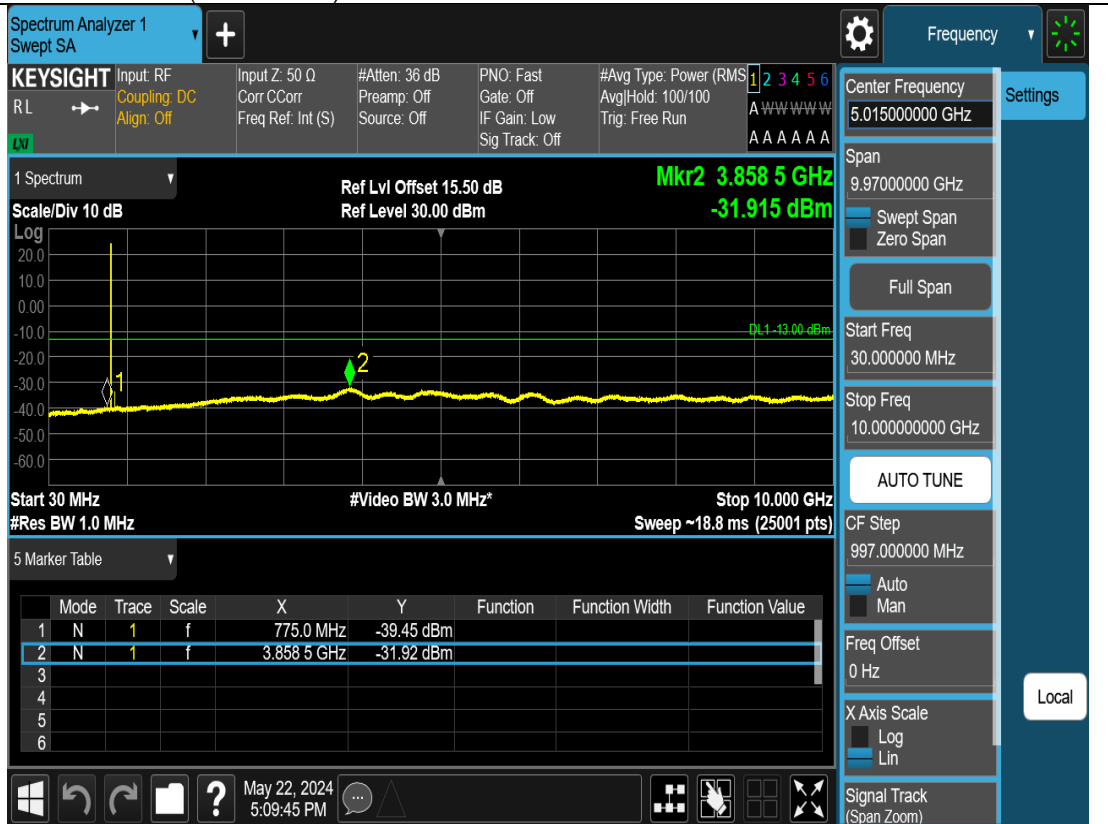
N26a(814-824MHz)-5M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N26a(814-824MHz)-5M-CSE-M-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N26a(814-824MHz)-5M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N26a(814-824MHz)-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) 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 3.860 5 GHz -32.025 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	792.5 MHz	-39.72 dBm		
2	N	1	f	3.860 5 GHz	-32.03 dBm		
3							
4							
5							
6							

May 23, 2024 8:18:44 AM

N26a(814-824MHz)-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) 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 3.874 4 GHz -32.151 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	783.3 MHz	-39.82 dBm		
2	N	1	f	3.874 4 GHz	-32.15 dBm		
3							
4							
5							
6							

May 23, 2024 8:27:42 AM

N26a(814-824MHz)-10M-CSE-M-CP-OFDM-QPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1
Swept SA

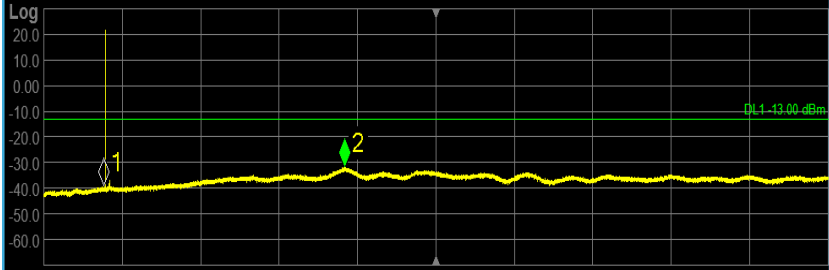
KEYSIGHT Input RF
 RL Coupling: DC
 Align: Off
 Input Z: 50 Ω
 Corr: C Corr
 Freq Ref: Int (S)
 #Atten: 36 dB
 Preamp: Off
 Source: Off
 PNO: Fast
 Gate: Off
 IF Gain: Low
 Sig Track: Off
 #Avg Type: Power (RMS)
 Avg/Hold: 100/100
 Trig: Free Run
 A www www
 A A A A A A

Frequency

Center Frequency
5.015000000 GHz

Settings

1 Spectrum
 Scale/Div 10 dB
 Ref Lvl Offset 15.50 dB
 Ref Level 30.00 dBm
 Mkr2 3.858 1 GHz
 -31.962 dBm



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)

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

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	802.1 MHz	-39.51 dBm		
2	N	1	f	3.858 1 GHz	-31.96 dBm		
3							
4							
5							
6							

Windows taskbar: May 23, 2024 8:48:34 AM

Local