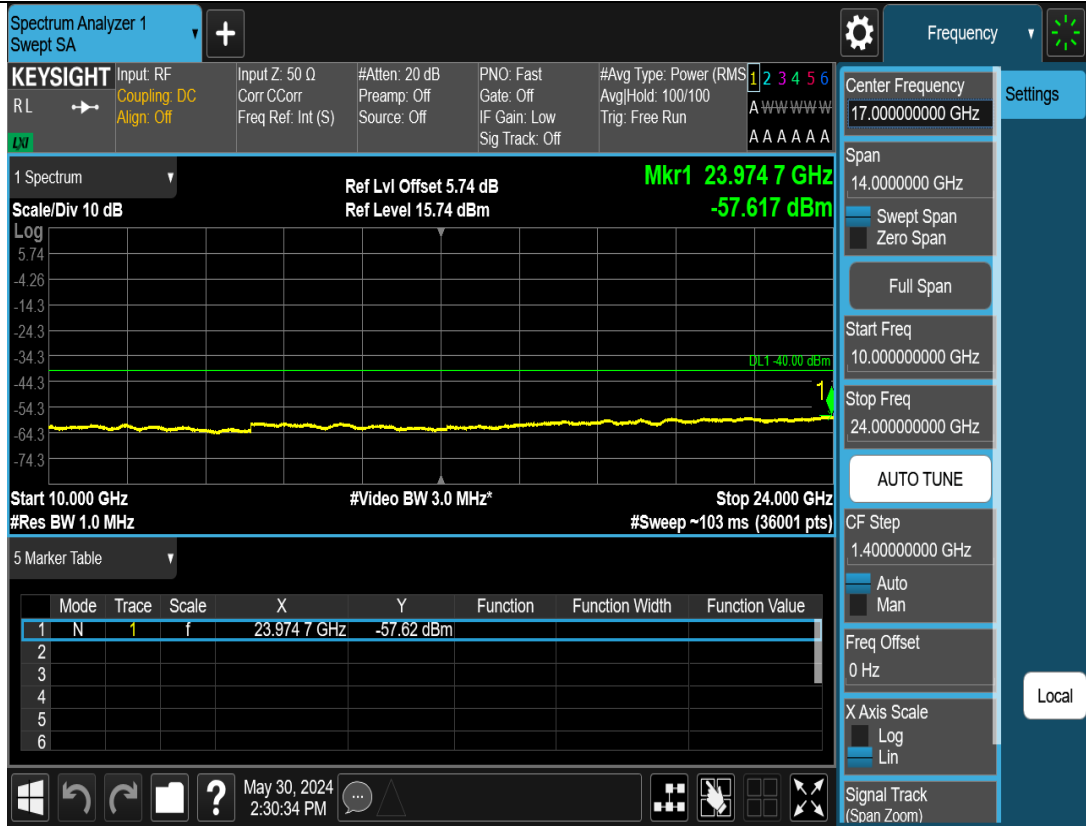
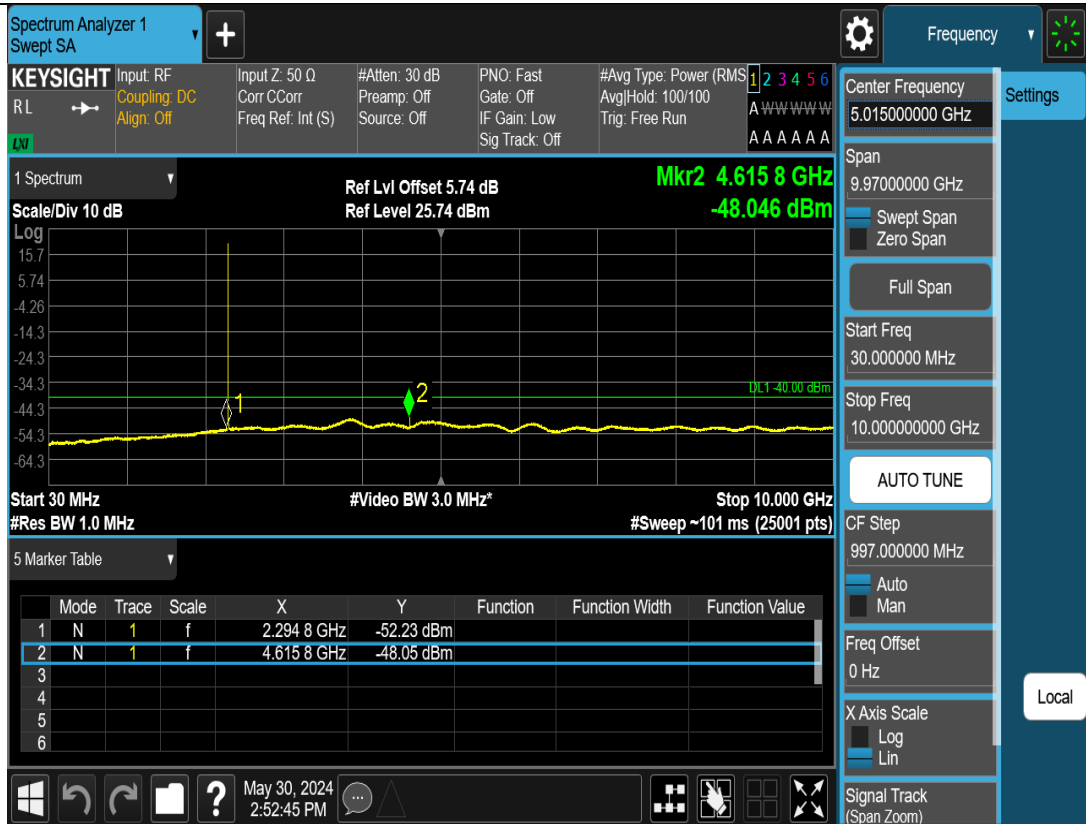


N30-5M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-24GHz



N30-5M-CSE-M-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N30-5M-CSE-M-CP-OFDM-QPSK-1RB0-10GHz-24GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Input Z: 50 Ω #Atten: 20 dB PNO: Fast #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: 100/100 A www www www  
 Align: Off Source: Off IF Gain: Low Trig: Free Run A A A A A A

Center Frequency 17.000000000 GHz Settings

Span 14.00000000 GHz  
 Swept Span  
 Zero Span  
 Full Span

Start Freq 10.000000000 GHz  
 Stop Freq 24.000000000 GHz

AUTO TUNE

CF Step 1.400000000 GHz  
 Auto  
 Man

Freq Offset 0 Hz

X Axis Scale Log  
 Lin

Signal Track (Span Zoom)

Local

1 Spectrum Ref Lvl Offset 5.74 dB Mkr1 23.932 7 GHz  
 Scale/Div 10 dB Ref Level 15.74 dBm -57.424 dBm

Log  
 5.74  
 -4.26  
 -14.3  
 -24.3  
 -34.3  
 -44.3  
 -54.3  
 -64.3  
 -74.3

Start 10.000 GHz #Video BW 3.0 MHz\* Stop 24.000 GHz  
 #Res BW 1.0 MHz #Sweep ~103 ms (36001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	23.932 7 GHz			-57.42 dBm
2							
3							
4							
5							
6							

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N30-5M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Input Z: 50 Ω #Atten: 30 dB PNO: Fast #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: 100/100 A www www www  
 Align: Off Source: Off IF Gain: Low Trig: Free Run A A A A A A

Center Frequency 5.015000000 GHz Settings

Span 9.970000000 GHz  
 Swept Span  
 Zero Span  
 Full Span

Start Freq 30.000000000 MHz  
 Stop Freq 10.000000000 GHz

AUTO TUNE

CF Step 997.0000000 MHz  
 Auto  
 Man

Freq Offset 0 Hz

X Axis Scale Log  
 Lin

Signal Track (Span Zoom)

Local

1 Spectrum Ref Lvl Offset 5.74 dB Mkr2 4.620 6 GHz  
 Scale/Div 10 dB Ref Level 25.74 dBm -45.435 dBm

Log  
 15.7  
 5.74  
 -4.26  
 -14.3  
 -24.3  
 -34.3  
 -44.3  
 -54.3  
 -64.3

Start 30 MHz #Video BW 3.0 MHz\* Stop 10.000 GHz  
 #Res BW 1.0 MHz #Sweep ~101 ms (25001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.294 8 GHz			-52.03 dBm
2	N	1	f	4.620 6 GHz			-45.43 dBm
3							
4							
5							
6							

May 30, 2024 2:35:42 PM

N30-5M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-24GHz

Spectrum Analyzer 1 Swept SA

**KEYSIGHT** Input RF: Coupling: DC, Align: Off

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

#Atten: 20 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: 17.000000000 GHz

Span: 14.0000000 GHz

Start Freq: 10.000000000 GHz

Stop Freq: 24.000000000 GHz

Scale/Div 10 dB

Ref Lvl Offset 5.74 dB, Ref Level 15.74 dBm

Mkr1 23.909 0 GHz, -57.397 dBm

Start 10.000 GHz, #Res BW 1.0 MHz, #Video BW 3.0 MHz\*, Stop 24.000 GHz, Sweep ~27.6 ms (36001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	23.909 0 GHz			-57.40 dBm
2							
3							
4							
5							
6							

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N30-5M-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: CCorr, Freq Ref: Int (S)

#Atten: 30 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

Start Freq: 30.0000000 MHz

Stop Freq: 10.000000000 GHz

Scale/Div 10 dB

Ref Lvl Offset 5.74 dB, Ref Level 25.74 dBm

Mkr2 4.620 6 GHz, -47.491 dBm

Start 30 MHz, #Res BW 1.0 MHz, #Video BW 3.0 MHz\*, Stop 10.000 GHz, #Sweep ~101 ms (25001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.294 8 GHz			-52.17 dBm
2	N	1	f	4.620 6 GHz			-47.49 dBm
3							
4							
5							
6							

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N30-5M-CSE-H-CP-OFDM-QPSK-1RB0-10GHz-24GHz

Spectrum Analyzer 1 Swept SA

**KEYSIGHT** Input RF: Coupling: DC, Align: Off

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

#Atten: 20 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: 17.000000000 GHz

Span: 14.0000000 GHz

Start Freq: 10.000000000 GHz

Stop Freq: 24.000000000 GHz

Scale/Div 10 dB

Ref Lvl Offset 5.74 dB, Ref Level 15.74 dBm

Mkr1 23.903 6 GHz, -57.180 dBm

Log

Start 10.000 GHz, #Video BW 3.0 MHz\*, Stop 24.000 GHz

#Res BW 1.0 MHz, Sweep ~27.6 ms (36001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	23.903 6 GHz			-57.18 dBm
2							
3							
4							
5							
6							

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N30-10M-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: 30 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

Start Freq: 30.0000000 MHz

Stop Freq: 10.000000000 GHz

Scale/Div 10 dB

Ref Lvl Offset 5.74 dB, Ref Level 25.74 dBm

Mkr2 3.855 7 GHz, -47.927 dBm

Log

Start 30 MHz, #Video BW 3.0 MHz\*, Stop 10.000 GHz

#Res BW 1.0 MHz, Sweep ~18.8 ms (25001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.293 2 GHz			-51.49 dBm
2	N	1	f	3.855 7 GHz			-47.93 dBm
3							
4							
5							
6							

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N30-10M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-24GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Input Z: 50 Ω #Atten: 20 dB PNO: Fast #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: 100/100 A www www www  
 Align: Off Source: Off IF Gain: Low Trig: Free Run A A A A A A

Center Frequency 17.000000000 GHz Settings

Span 14.00000000 GHz  
 Swept Span  
 Zero Span  
 Full Span

Start Freq 10.000000000 GHz  
 Stop Freq 24.000000000 GHz

AUTO TUNE

CF Step 1.400000000 GHz  
 Auto  
 Man

Freq Offset 0 Hz

X Axis Scale Log  
 Lin

Signal Track (Span Zoom)

Local

1 Spectrum Ref Lvl Offset 5.74 dB Mkr1 23.851 1 GHz  
 Scale/Div 10 dB Ref Level 15.74 dBm -57.239 dBm

Log  
 5.74  
 -4.26  
 -14.3  
 -24.3  
 -34.3  
 -44.3  
 -54.3  
 -64.3  
 -74.3

Start 10.000 GHz #Video BW 3.0 MHz\* Stop 24.000 GHz  
 #Res BW 1.0 MHz Sweep ~27.6 ms (36001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	23.851 1 GHz			-57.24 dBm
2							
3							
4							
5							
6							

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N30-10M-CSE-M-CP-OFDM-QPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Input Z: 50 Ω #Atten: 30 dB PNO: Fast #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: 100/100 A www www www  
 Align: Off Source: Off IF Gain: Low Trig: Free Run A A A A A A

Center Frequency 5.015000000 GHz Settings

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)

Local

1 Spectrum Ref Lvl Offset 5.74 dB Mkr2 3.855 3 GHz  
 Scale/Div 10 dB Ref Level 25.74 dBm -47.824 dBm

Log  
 15.7  
 5.74  
 -4.26  
 -14.3  
 -24.3  
 -34.3  
 -44.3  
 -54.3  
 -64.3

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	2.293 2 GHz			-51.80 dBm
2	N	1	f	3.855 3 GHz			-47.82 dBm
3							
4							
5							
6							

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N30-10M-CSE-M-CP-OFDM-QPSK-1RB0-10GHz-24GHz

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: 20 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  
 1 2 3 4 5 6  
 A www www  
 A A A A A A

Frequency

Center Frequency  
17.000000000 GHz

Settings

Span  
14.0000000 GHz  
 Swept Span  
 Zero Span  
 Full Span

Start Freq  
10.000000000 GHz  
 Stop Freq  
24.000000000 GHz

AUTO TUNE

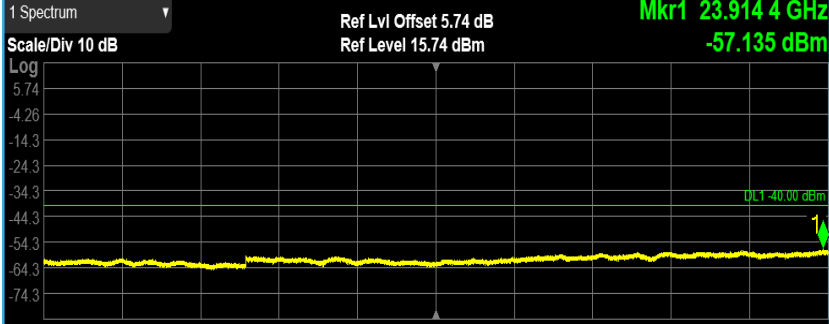
CF Step  
1.400000000 GHz  
 Auto  
 Man

Freq Offset  
0 Hz

X Axis Scale  
 Log  
 Lin

Signal Track  
(Span Zoom)

Local



5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	23.914 4 GHz	-57.13 dBm		
2							
3							
4							
5							
6							