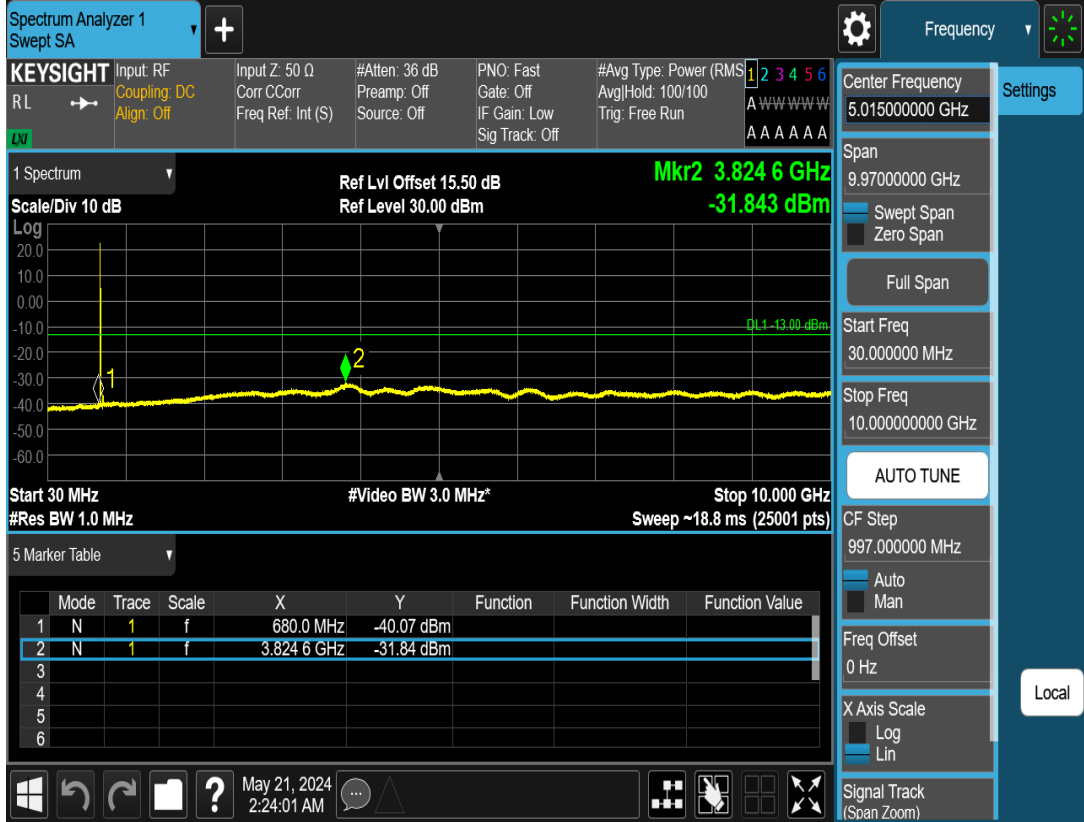
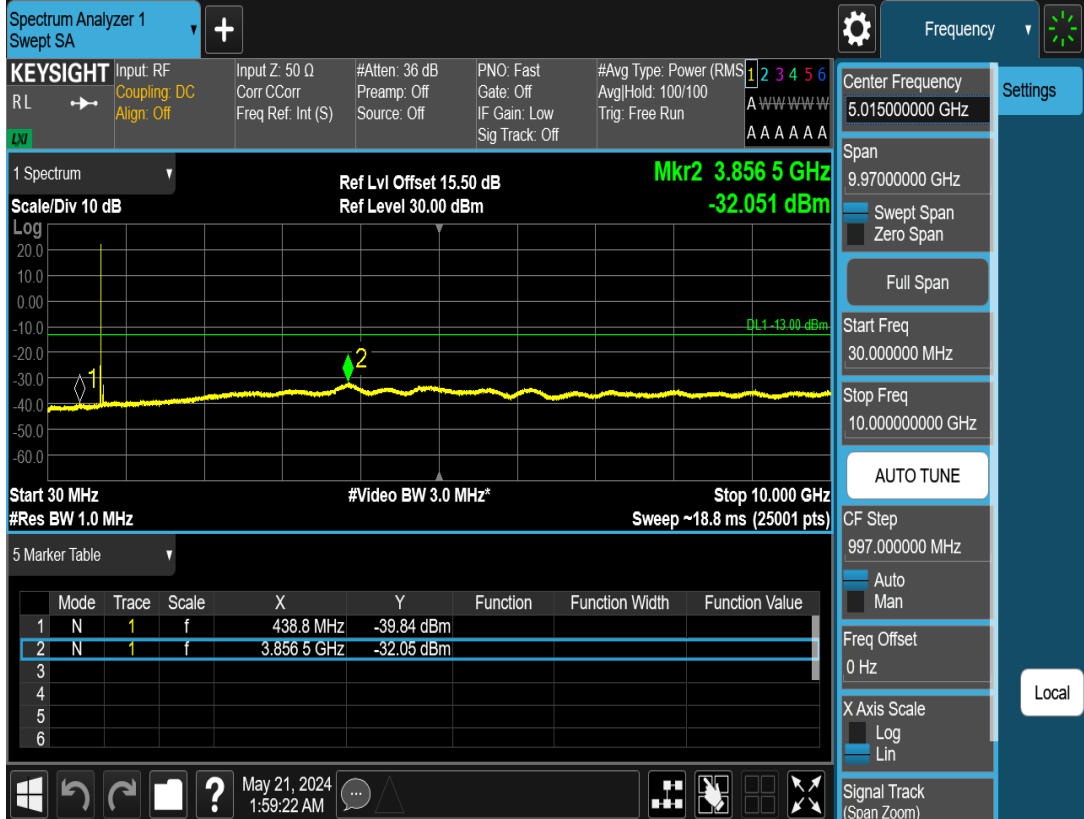


N12-10M-CSE-L-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N12-10M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N12-10M-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) 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 15.50 dB

Ref Level 30.00 dBm

Mkr2 3.842 9 GHz -31.915 dBm

DL1 -13.00 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	681.6 MHz	-40.20 dBm		
2	N	1	f	3.842 9 GHz	-31.91 dBm		
3							
4							
5							
6							

May 21, 2024 2:30:54 AM

N12-10M-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) 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 15.50 dB

Ref Level 30.00 dBm

Mkr2 3.862 9 GHz -32.058 dBm

DL1 -13.00 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	627.4 MHz	-40.09 dBm		
2	N	1	f	3.862 9 GHz	-32.06 dBm		
3							
4							
5							
6							

May 21, 2024 2:01:42 AM

N12-10M-CSE-H-CP-OFDM-QPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input: RF Coupling: DC Align: Off

Input Z: 50 Ω #Atten: 36 dB PNO: Fast Gate: Off #Avg Type: Power (RMS) 1 2 3 4 5 6
 Corr: C Corr Preamp: Off Freq Ref: Int (S) Source: Off IF Gain: Low Avg/Hold: 100/100 A www www w
 Sig Track: Off 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 30.0000000 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 15.50 dB Mkr2 3.824 2 GHz -32.174 dBm
 Scale/Div 10 dB Ref Level 30.00 dBm

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	646.5 MHz	-40.05 dBm		
2	N	1	f	3.824 2 GHz	-32.17 dBm		
3							
4							
5							
6							

May 21, 2024 2:33:43 AM

N12-15M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input: RF Coupling: DC Align: Off

Input Z: 50 Ω #Atten: 36 dB PNO: Fast Gate: Off #Avg Type: Power (RMS) 1 2 3 4 5 6
 Corr: C Corr Preamp: Off Freq Ref: Int (S) Source: Off IF Gain: Low Avg/Hold: 100/100 A www www w
 Sig Track: Off 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 30.0000000 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 15.50 dB Mkr2 3.843 3 GHz -31.927 dBm
 Scale/Div 10 dB Ref Level 30.00 dBm

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	681.2 MHz	-40.08 dBm		
2	N	1	f	3.843 3 GHz	-31.93 dBm		
3							
4							
5							
6							

May 21, 2024 2:04:40 AM

N12-15M-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 3.860 1 GHz -31.943 dBm

DL1 -13.00 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	685.2 MHz	-40.08 dBm		
2	N	1	f	3.860 1 GHz	-31.94 dBm		
3							
4							
5							
6							

May 21, 2024 2:36:25 AM

N12-15M-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 3.867 7 GHz -31.924 dBm

DL1 -13.00 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	455.9 MHz	-39.98 dBm		
2	N	1	f	3.867 7 GHz	-31.92 dBm		
3							
4							
5							
6							

May 21, 2024 2:06:03 AM

N12-15M-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) 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 15.50 dB Ref Level 30.00 dBm

Mkr2 3.813 8 GHz -32.123 dBm

DL1 -13.00 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	631.0 MHz			-40.11 dBm
2	N	1	f	3.813 8 GHz			-32.12 dBm
3							
4							
5							
6							

May 21, 2024 2:37:55 AM

N12-15M-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) 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 15.50 dB Ref Level 30.00 dBm

Mkr2 3.889 6 GHz -31.972 dBm

DL1 -13.00 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	667.3 MHz			-39.94 dBm
2	N	1	f	3.889 6 GHz			-31.97 dBm
3							
4							
5							
6							

May 21, 2024 2:08:24 AM

N12-15M-CSE-H-CP-OFDM-QPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1
Swept SA

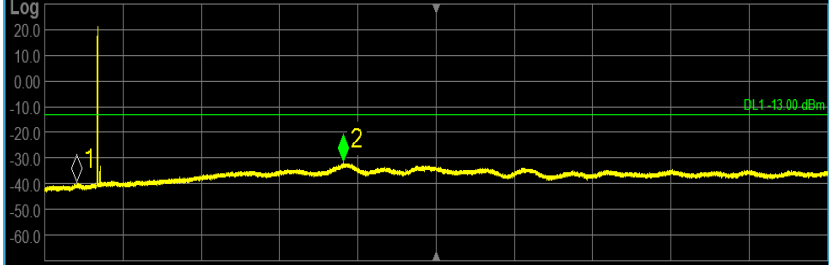
KEYSIGHT Input: RF
 RL Coupling: DC
 Align: Off
 Input Z: 50 Ω
 Corr: C Corr
 Freq Ref: Int (S)
 #Atten: 36 dB
 Preamp: Off
 Source: Off
 PNO: Fast
 Gate: Off
 IF Gain: Low
 Sig Track: Off
 #Avg Type: Power (RMS)
 Avg/Hold: 100/100
 Trig: Free Run
 1 2 3 4 5 6
 A W W W W W
 A A A A A A

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 3.838 5 GHz
 -32.115 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	445.9 MHz	-39.93 dBm		
2	N	1	f	3.838 5 GHz	-32.11 dBm		
3							
4							
5							
6							

Windows taskbar: May 21, 2024 2:40:23 AM

Local