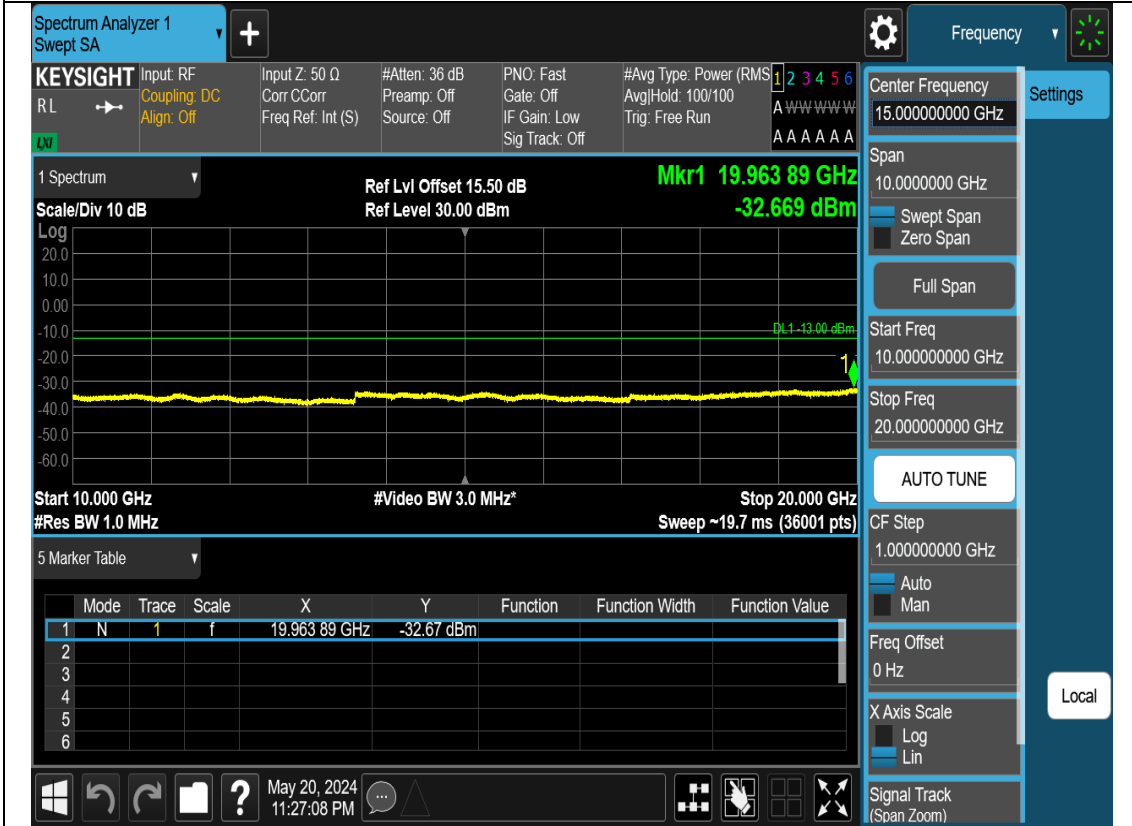
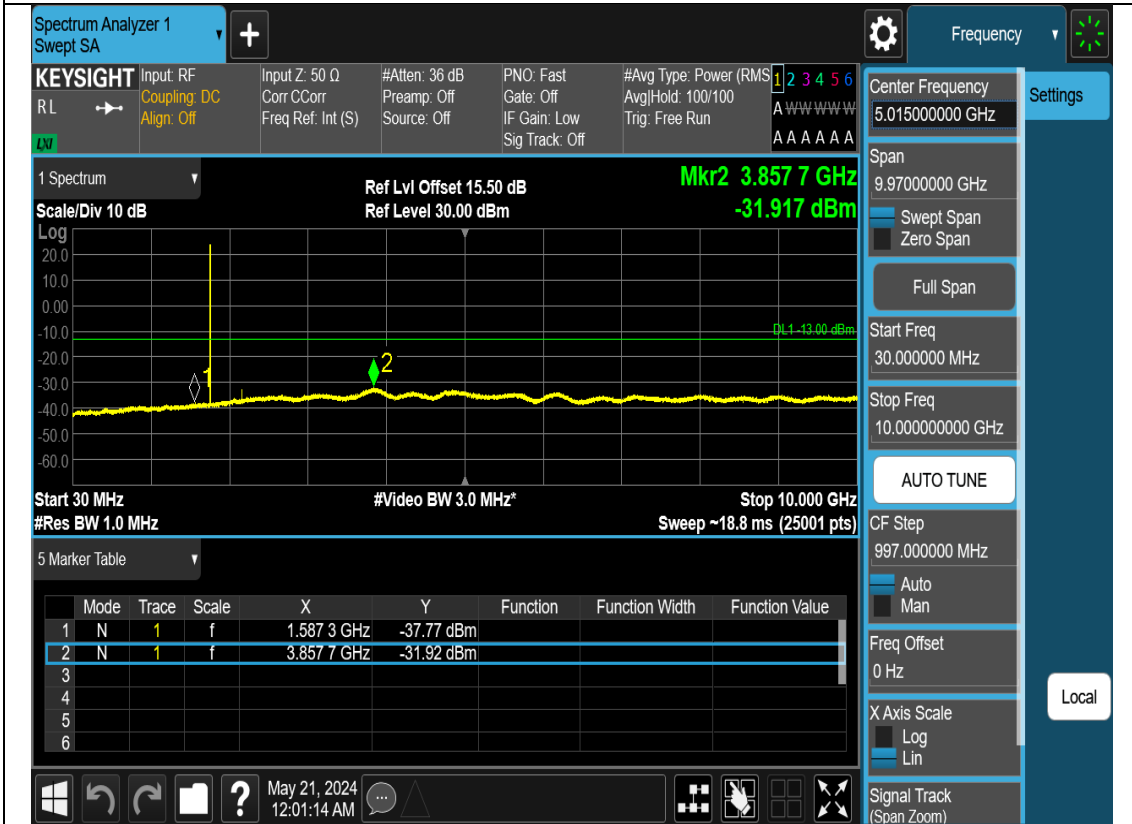


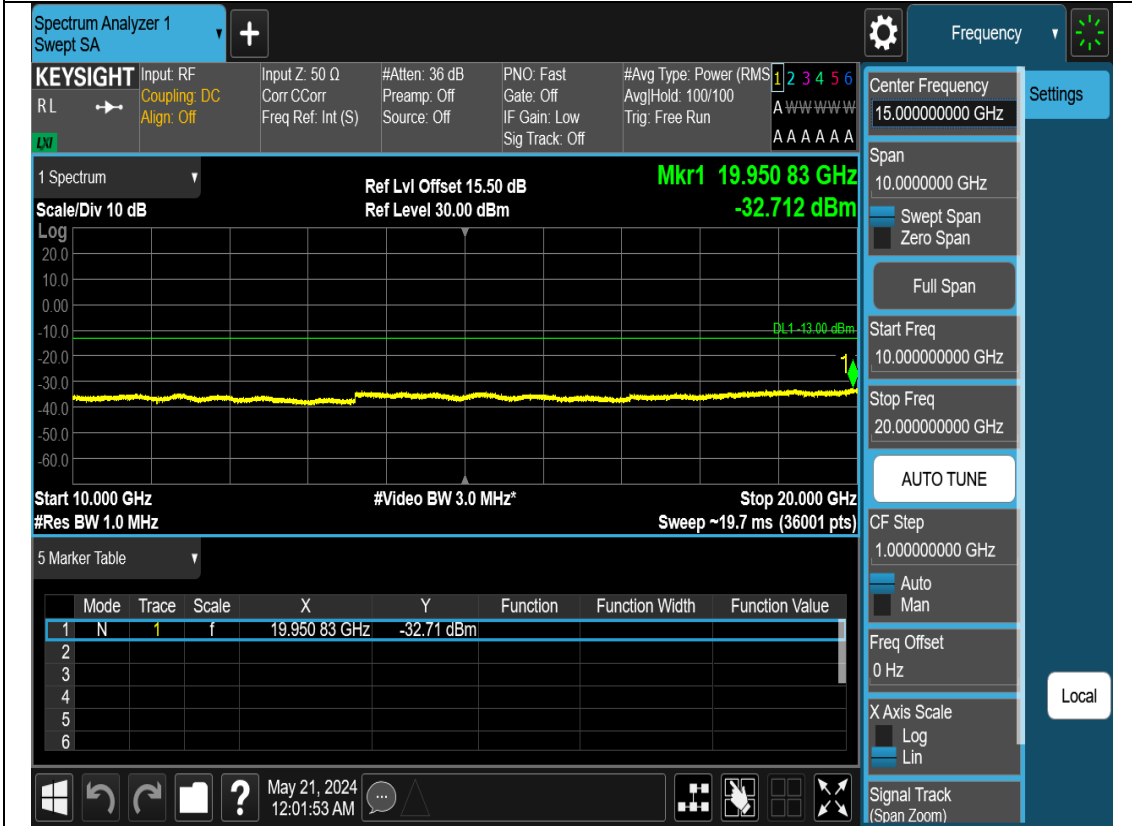
N66-5M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



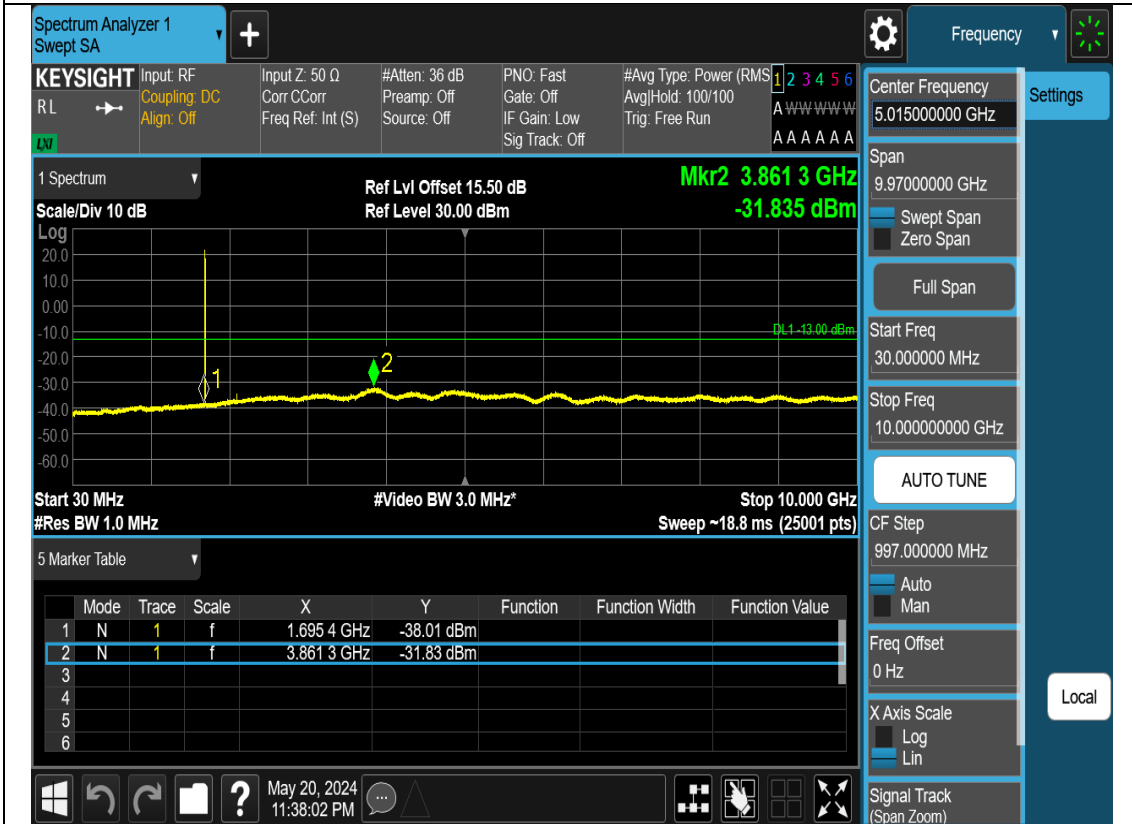
N66-5M-CSE-H-CP-OFDM-QPSK-1RB0-30MHz-10GHz



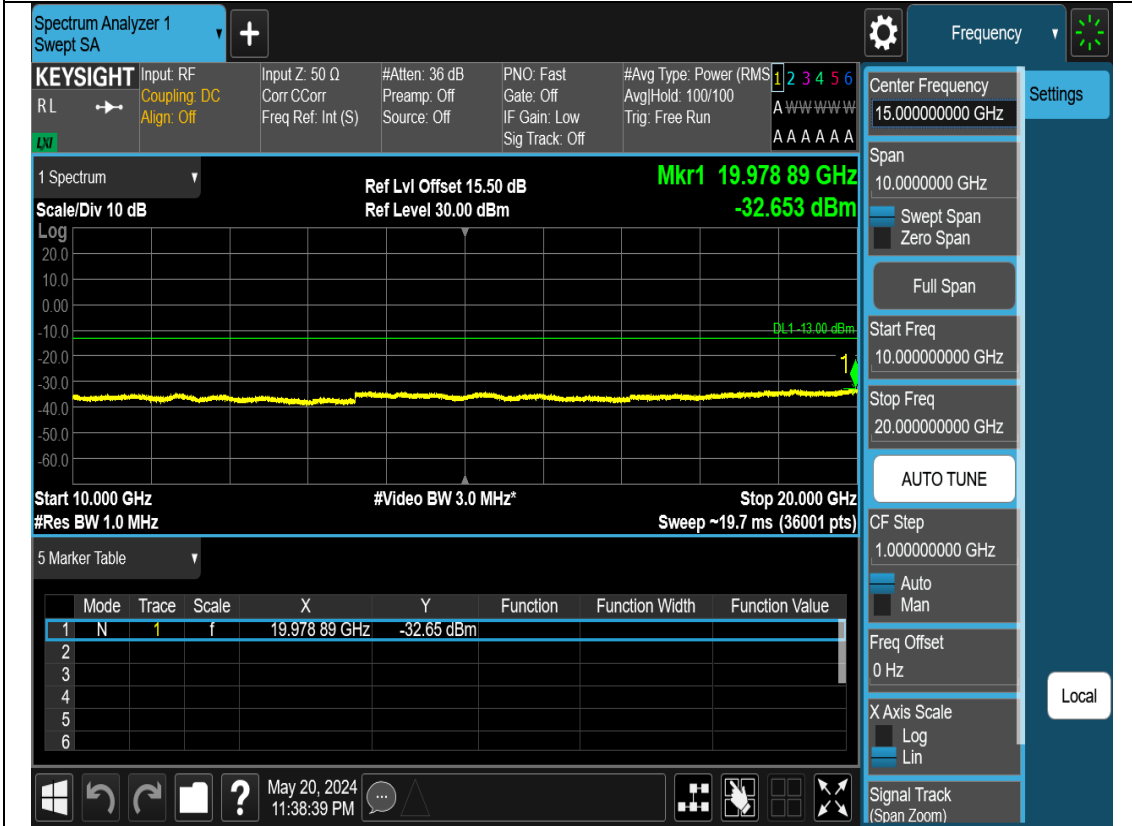
N66-5M-CSE-H-CP-OFDM-QPSK-1RB0-10GHz-20GHz



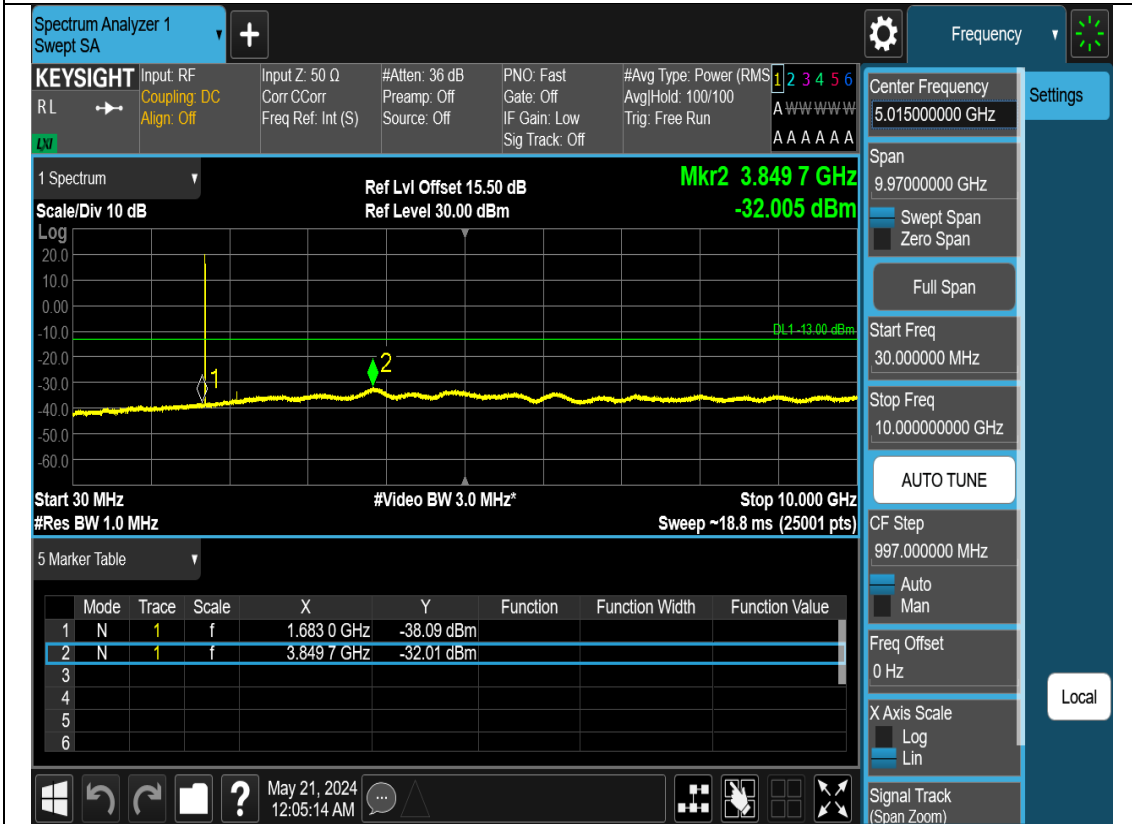
N66-10M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N66-10M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



N66-10M-CSE-L-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N66-10M-CSE-L-CP-OFDM-QPSK-1RB0-10GHz-20GHz

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) AvgHold: 100/100 Trig: Free Run

Center Frequency: 15.000000000 GHz

Span: 10.0000000 GHz

Start Freq: 10.000000000 GHz

Stop Freq: 20.000000000 GHz

Scale/Div 10 dB

Ref Lvl Offset 15.50 dB Ref Level 30.00 dBm

Mkr1 19.943 33 GHz -32.790 dBm

Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 20.000 GHz Sweep ~19.7 ms (36001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.943 33 GHz			-32.79 dBm
2							
3							
4							
5							
6							

May 21, 2024 12:05:53 AM

N66-10M-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) AvgHold: 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 3.855 3 GHz -31.908 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	1.596 5 GHz			-37.87 dBm
2	N	1	f	3.855 3 GHz			-31.91 dBm
3							
4							
5							
6							

May 20, 2024 11:39:59 PM

N66-10M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz

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: 15.000000000 GHz

Span: 10.0000000 GHz

Start Freq: 10.000000000 GHz

Stop Freq: 20.000000000 GHz

Scale/Div 10 dB

Ref Lvl Offset 15.50 dB Ref Level 30.00 dBm

Mkr1 19.952 50 GHz -32.738 dBm

Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 20.000 GHz Sweep ~19.7 ms (36001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.952 50 GHz			-32.74 dBm
2							
3							
4							
5							
6							

May 20, 2024 11:40:38 PM

N66-10M-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 3.859 3 GHz -31.884 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	1.691 4 GHz			-38.11 dBm
2	N	1	f	3.859 3 GHz			-31.88 dBm
3							
4							
5							
6							

May 21, 2024 12:07:20 AM

N66-10M-CSE-M-CP-OFDM-QPSK-1RB0-10GHz-20GHz

Spectrum Analyzer 1 Swept SA

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

Center Frequency 15.000000000 GHz Settings

Span 10.0000000 GHz
 Swept Span
 Zero Span
 Full Span

Start Freq 10.000000000 GHz
 Stop Freq 20.000000000 GHz

AUTO TUNE

CF Step 1.000000000 GHz
 Auto
 Man

Freq Offset 0 Hz

X Axis Scale Log
 Lin

Signal Track (Span Zoom)

Local

1 Spectrum Ref Lvl Offset 15.50 dB Mkr1 19.992 78 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -32.563 dBm

Log

Start 10.000 GHz #Video BW 3.0 MHz* Stop 20.000 GHz
 #Res BW 1.0 MHz Sweep ~19.7 ms (36001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.992 78 GHz	-32.56 dBm		
2							
3							
4							
5							
6							

May 21, 2024 12:07:58 AM

N66-10M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Input Z: 50 Ω #Atten: 36 dB PNO: Fast #Avg Type: Power (RMS) 1 2 3 4 5 6
 RL Coupling: DC Corr: C Corr Preamp: Off Gate: Off Avg/Hold: 100/100 A www www www
 Align: Off Freq Ref: Int (S) 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 30.0000000 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 3.897 6 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -31.870 dBm

Log

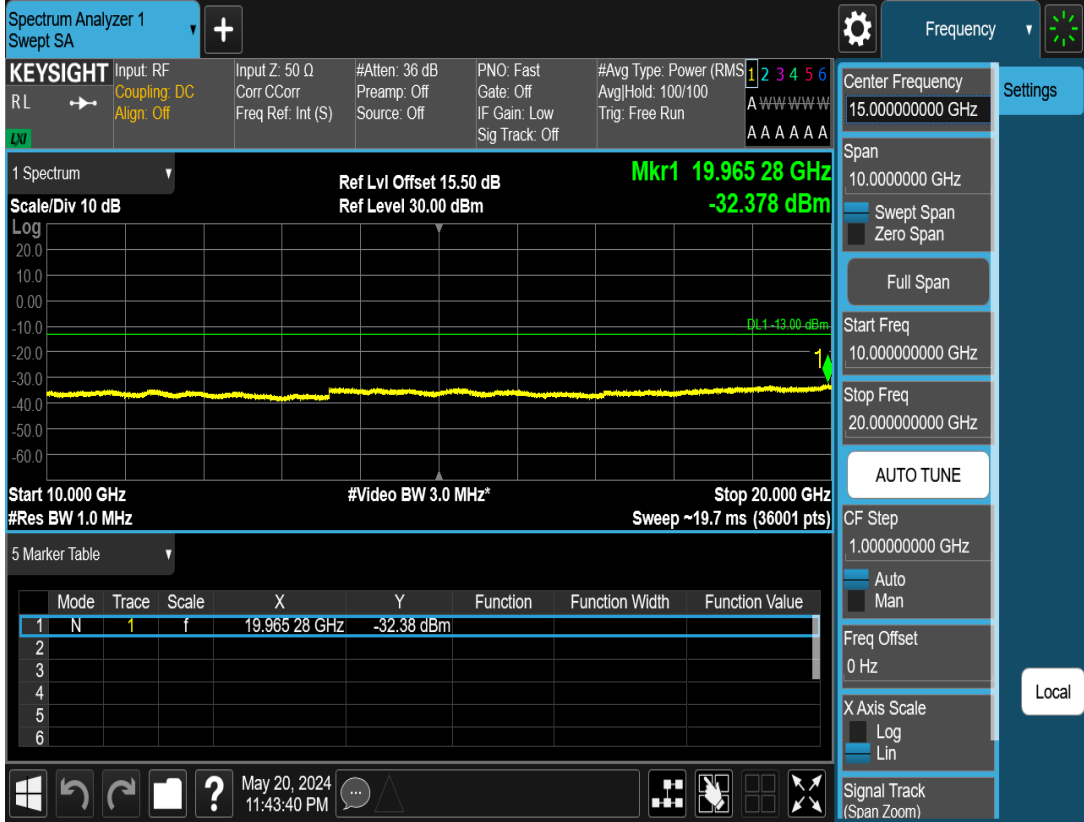
Start 30 MHz #Video BW 3.0 MHz* Stop 10.000 GHz
 #Res BW 1.0 MHz Sweep ~18.8 ms (25001 pts)

5 Marker Table

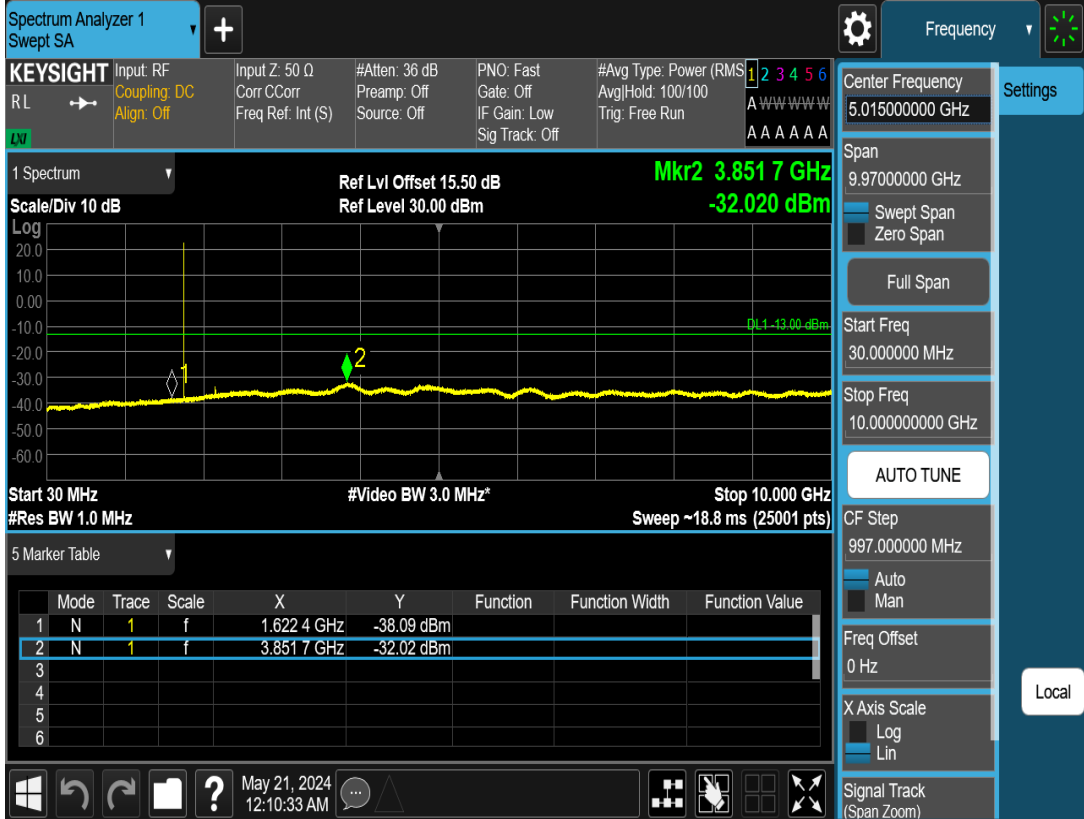
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	1.624 4 GHz	-38.07 dBm		
2	N	1	f	3.897 6 GHz	-31.87 dBm		
3							
4							
5							
6							

May 20, 2024 11:43:02 PM

N66-10M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



N66-10M-CSE-H-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N66-10M-CSE-H-CP-OFDM-QPSK-1RB0-10GHz-20GHz

Spectrum Analyzer 1 Swept SA

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

Center Frequency 15.000000000 GHz Settings

Span 10.0000000 GHz
 Swept Span
 Zero Span
 Full Span

Start Freq 10.000000000 GHz
 Stop Freq 20.000000000 GHz

AUTO TUNE

CF Step 1.000000000 GHz
 Auto
 Man

Freq Offset 0 Hz

X Axis Scale Log
 Lin

Signal Track (Span Zoom)

Local

1 Spectrum Ref Lvl Offset 15.50 dB Mkr1 19.993 33 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -32.540 dBm

Log

Start 10.000 GHz #Video BW 3.0 MHz* Stop 20.000 GHz
 #Res BW 1.0 MHz Sweep ~19.7 ms (36001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.993 33 GHz	-32.54 dBm		
2							
3							
4							
5							
6							

May 21, 2024 12:11:11 AM

N66-15M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Input Z: 50 Ω #Atten: 36 dB PNO: Fast #Avg Type: Power (RMS) 1 2 3 4 5 6
 RL Coupling: DC Corr CCorr Preamp: Off Gate: Off Avg/Hold: 100/100 A www www www
 Align: Off Freq Ref: Int (S) 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 30.0000000 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 3.872 8 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -32.012 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)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	1.519 1 GHz	-38.08 dBm		
2	N	1	f	3.872 8 GHz	-32.01 dBm		
3							
4							
5							
6							

May 20, 2024 11:46:55 PM

N66-15M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz

Spectrum Analyzer 1 Swept SA

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

Center Frequency 15.000000000 GHz Settings

Span 10.00000000 GHz
 Swept Span
 Zero Span
 Full Span

Start Freq 10.000000000 GHz
 Stop Freq 20.000000000 GHz
 AUTO TUNE

CF Step 1.000000000 GHz
 Auto
 Man

Freq Offset 0 Hz

X Axis Scale Log Lin

Signal Track (Span Zoom)

Local

1 Spectrum Ref Lvl Offset 15.50 dB Mkr1 19.956 39 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -32.471 dBm

Log

Start 10.000 GHz #Video BW 3.0 MHz* Stop 20.000 GHz
 #Res BW 1.0 MHz Sweep ~19.7 ms (36001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.956 39 GHz			-32.47 dBm
2							
3							
4							
5							
6							

May 20, 2024 11:47:32 PM

N66-15M-CSE-L-CP-OFDM-QPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Input Z: 50 Ω #Atten: 36 dB PNO: Fast #Avg Type: Power (RMS) 1 2 3 4 5 6
 RL Coupling: DC Corr C/Corr Preamp: Off Gate: Off Avg/Hold: 100/100 A www www www
 Align: Off Freq Ref: Int (S) 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 30.00000000 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 3.862 1 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -32.163 dBm

Log

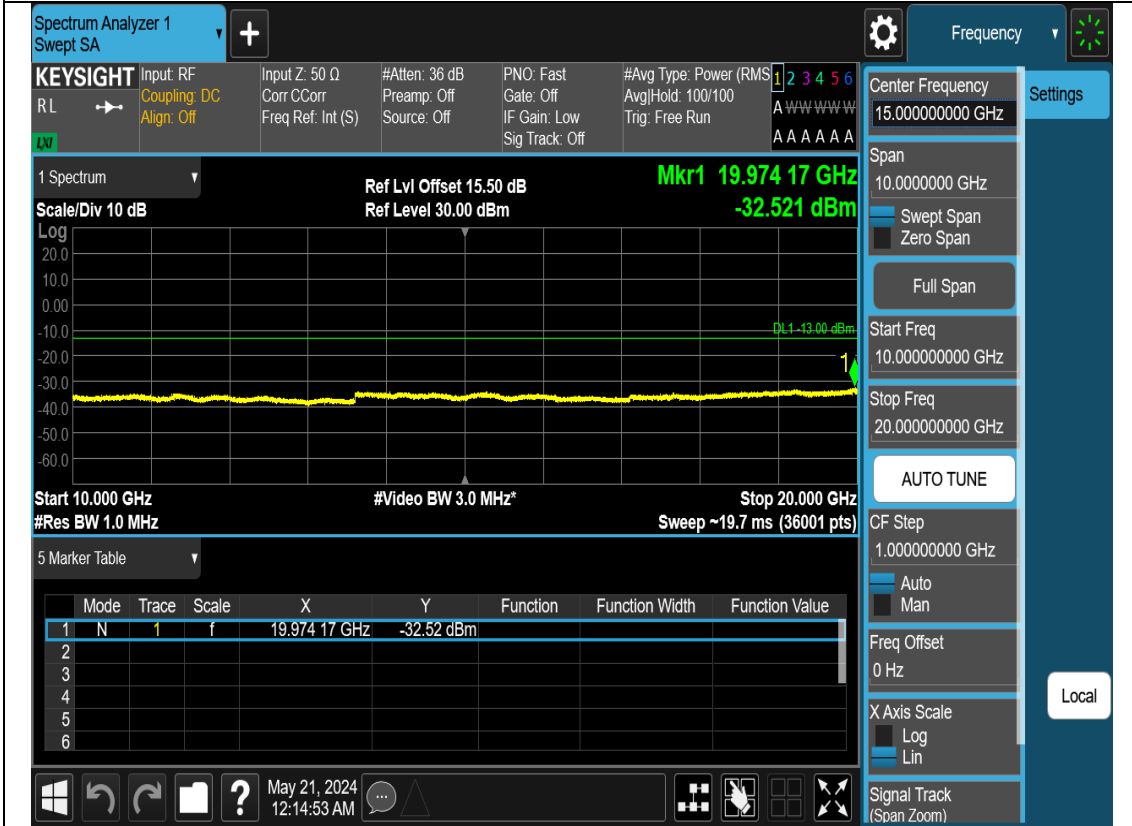
Start 30 MHz #Video BW 3.0 MHz* Stop 10.000 GHz
 #Res BW 1.0 MHz Sweep ~18.8 ms (25001 pts)

5 Marker Table

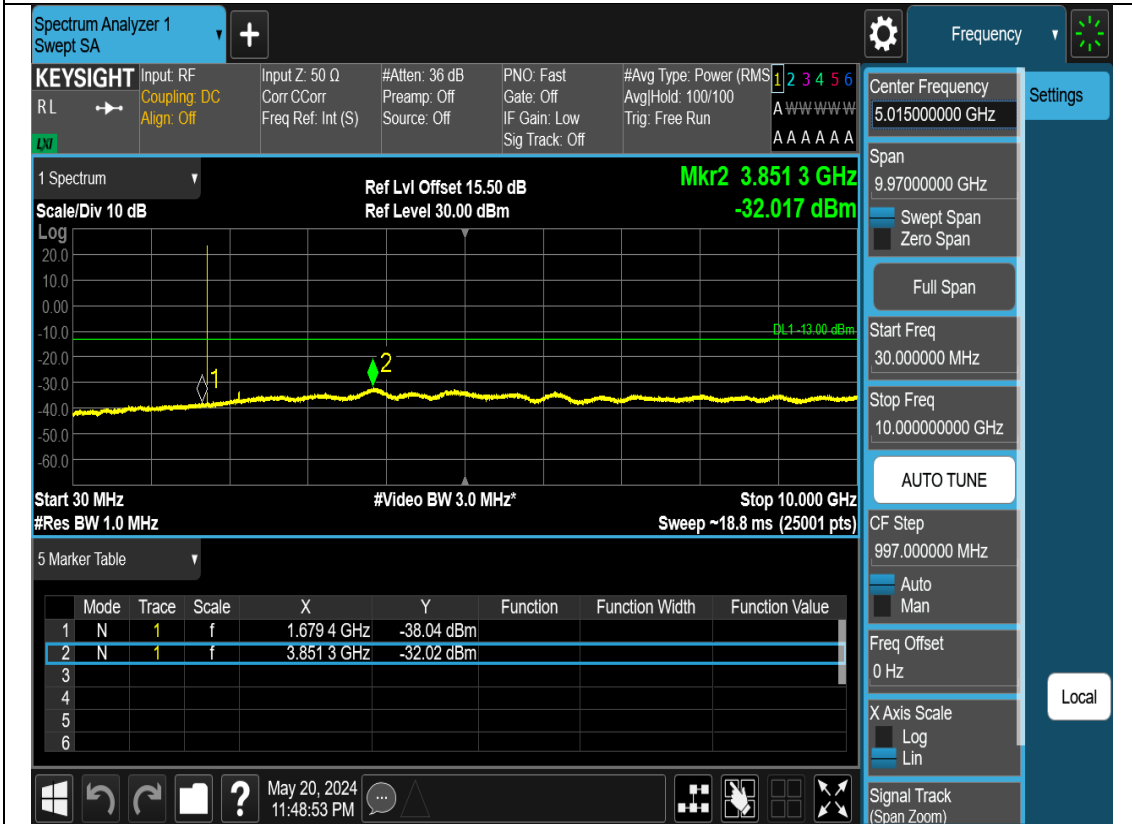
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	1.628 0 GHz			-38.08 dBm
2	N	1	f	3.862 1 GHz			-32.16 dBm
3							
4							
5							
6							

May 21, 2024 12:14:15 AM

N66-15M-CSE-L-CP-OFDM-QPSK-1RB0-10GHz-20GHz



N66-15M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N66-15M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz

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 15.000000000 GHz

Span 10.0000000 GHz

Start Freq 10.000000000 GHz

Stop Freq 20.000000000 GHz

Scale/Div 10 dB

Ref Lvl Offset 15.50 dB

Ref Level 30.00 dBm

Mkr1 19.943 89 GHz -32.465 dBm

DL1 -13.00 dBm

Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 20.000 GHz Sweep ~19.7 ms (36001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.943 89 GHz	-32.46 dBm		
2							
3							
4							
5							
6							

May 20, 2024 11:49:31 PM

N66-15M-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) 1 2 3 4 5 6 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 3.844 5 GHz -32.040 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	1.689 4 GHz	-37.80 dBm		
2	N	1	f	3.844 5 GHz	-32.04 dBm		
3							
4							
5							
6							

May 21, 2024 12:19:47 AM

N66-15M-CSE-M-CP-OFDM-QPSK-1RB0-10GHz-20GHz

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) AvgHold: 100/100 Trig: Free Run

Center Frequency: 15.000000000 GHz

Span: 10.0000000 GHz

Start Freq: 10.000000000 GHz

Stop Freq: 20.000000000 GHz

Scale/Div 10 dB

Ref Lvl Offset 15.50 dB Ref Level 30.00 dBm

Mkr1 19.935 28 GHz -32.635 dBm

Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 20.000 GHz Sweep ~19.7 ms (36001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.935 28 GHz			-32.63 dBm
2							
3							
4							
5							
6							

May 21, 2024 12:20:25 AM

N66-15M-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) AvgHold: 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 3.850 5 GHz -31.946 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	1.646 7 GHz			-37.96 dBm
2	N	1	f	3.850 5 GHz			-31.95 dBm
3							
4							
5							
6							

May 20, 2024 11:52:07 PM

N66-15M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz

Spectrum Analyzer 1 Swept SA

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

Center Frequency 15.000000000 GHz Settings

Span 10.0000000 GHz
 Swept Span
 Zero Span
 Full Span

Start Freq 10.000000000 GHz
 Stop Freq 20.000000000 GHz
 AUTO TUNE

CF Step 1.000000000 GHz
 Auto
 Man

Freq Offset 0 Hz

X Axis Scale Log Lin

Signal Track (Span Zoom)

Local

1 Spectrum Ref Lvl Offset 15.50 dB Mkr1 19.946 94 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -32.635 dBm

Log

Start 10.000 GHz #Video BW 3.0 MHz* Stop 20.000 GHz
 #Res BW 1.0 MHz Sweep ~19.7 ms (36001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.946 94 GHz			-32.64 dBm
2							
3							
4							
5							
6							

May 20, 2024 11:52:44 PM

N66-15M-CSE-H-CP-OFDM-QPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Input Z: 50 Ω #Atten: 36 dB PNO: Fast #Avg Type: Power (RMS) 1 2 3 4 5 6
 RL Coupling: DC Corr CCorr Preamp: Off Gate: Off Avg/Hold: 100/100 A www www www
 Align: Off Freq Ref: Int (S) 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 30.0000000 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 3.862 5 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -32.222 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)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	1.595 7 GHz			-38.02 dBm
2	N	1	f	3.862 5 GHz			-32.22 dBm
3							
4							
5							
6							

May 21, 2024 12:23:14 AM

N66-15M-CSE-H-CP-OFDM-QPSK-1RB0-10GHz-20GHz

Spectrum Analyzer 1 Swept SA

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

Center Frequency 15.000000000 GHz Settings

Span 10.0000000 GHz
 Swept Span
 Zero Span
 Full Span

Start Freq 10.000000000 GHz
 Stop Freq 20.000000000 GHz

AUTO TUNE

CF Step 1.000000000 GHz
 Auto
 Man

Freq Offset 0 Hz

X Axis Scale Log
 Lin

Signal Track (Span Zoom)

Local

1 Spectrum Ref Lvl Offset 15.50 dB Mkr1 19.961 39 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -32.649 dBm

Log

Start 10.000 GHz #Video BW 3.0 MHz* Stop 20.000 GHz
 #Res BW 1.0 MHz Sweep ~19.7 ms (36001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.961 39 GHz			-32.65 dBm
2							
3							
4							
5							
6							

May 21, 2024 12:23:52 AM

N66-20M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Input Z: 50 Ω #Atten: 36 dB PNO: Fast #Avg Type: Power (RMS) 1 2 3 4 5 6
 RL Coupling: DC Corr CCorr Preamp: Off Gate: Off Avg/Hold: 100/100 A www www www
 Align: Off Freq Ref: Int (S) 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 30.0000000 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 3.869 2 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -31.758 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)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	1.677 0 GHz			-38.21 dBm
2	N	1	f	3.869 2 GHz			-31.76 dBm
3							
4							
5							
6							

May 20, 2024 11:10:33 PM

N66-20M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz

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 15.000000000 GHz

Span 10.0000000 GHz

Start Freq 10.000000000 GHz

Stop Freq 20.000000000 GHz

Scale/Div 10 dB

Ref Lvl Offset 15.50 dB

Ref Level 30.00 dBm

Mkr1 19.981 11 GHz -32.786 dBm

Log

Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 20.000 GHz Sweep ~19.7 ms (36001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.981 11 GHz			-32.79 dBm
2							
3							
4							
5							
6							

May 20, 2024 11:11:10 PM

N66-20M-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) 1 2 3 4 5 6 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 3.828 2 GHz -31.800 dBm

Log

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	1.642 7 GHz			-38.21 dBm
2	N	1	f	3.828 2 GHz			-31.80 dBm
3							
4							
5							
6							

May 21, 2024 12:27:17 AM

N66-20M-CSE-L-CP-OFDM-QPSK-1RB0-10GHz-20GHz

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) AvgHold: 100/100 Trig: Free Run

Center Frequency 15.000000000 GHz

Span 10.0000000 GHz

Start Freq 10.000000000 GHz

Stop Freq 20.000000000 GHz

Scale/Div 10 dB

Ref Lvl Offset 15.50 dB Ref Level 30.00 dBm

Mkr1 19.952 78 GHz -32.196 dBm

Log

Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 20.000 GHz Sweep ~19.7 ms (36001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.952 78 GHz			-32.20 dBm
2							
3							
4							
5							
6							

May 21, 2024 12:27:56 AM

N66-20M-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) AvgHold: 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 3.852 5 GHz -31.670 dBm

Log

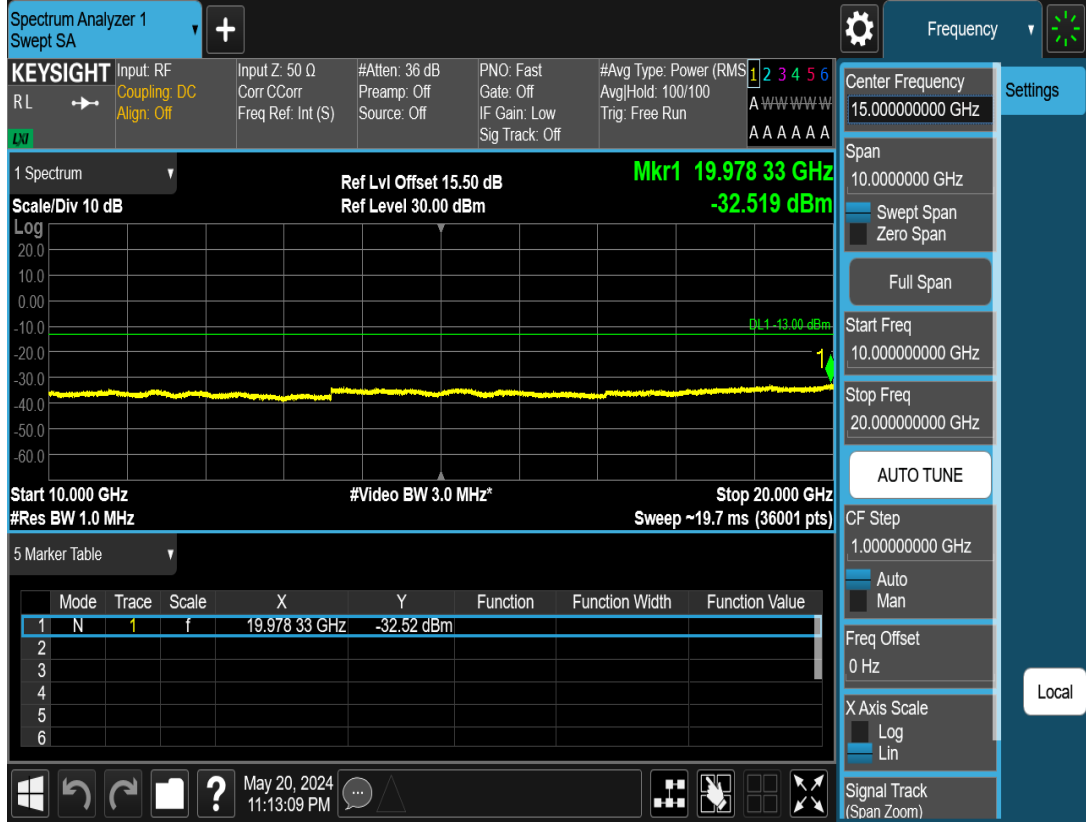
Start 30 MHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 10.000 GHz Sweep ~18.8 ms (25001 pts)

5 Marker Table

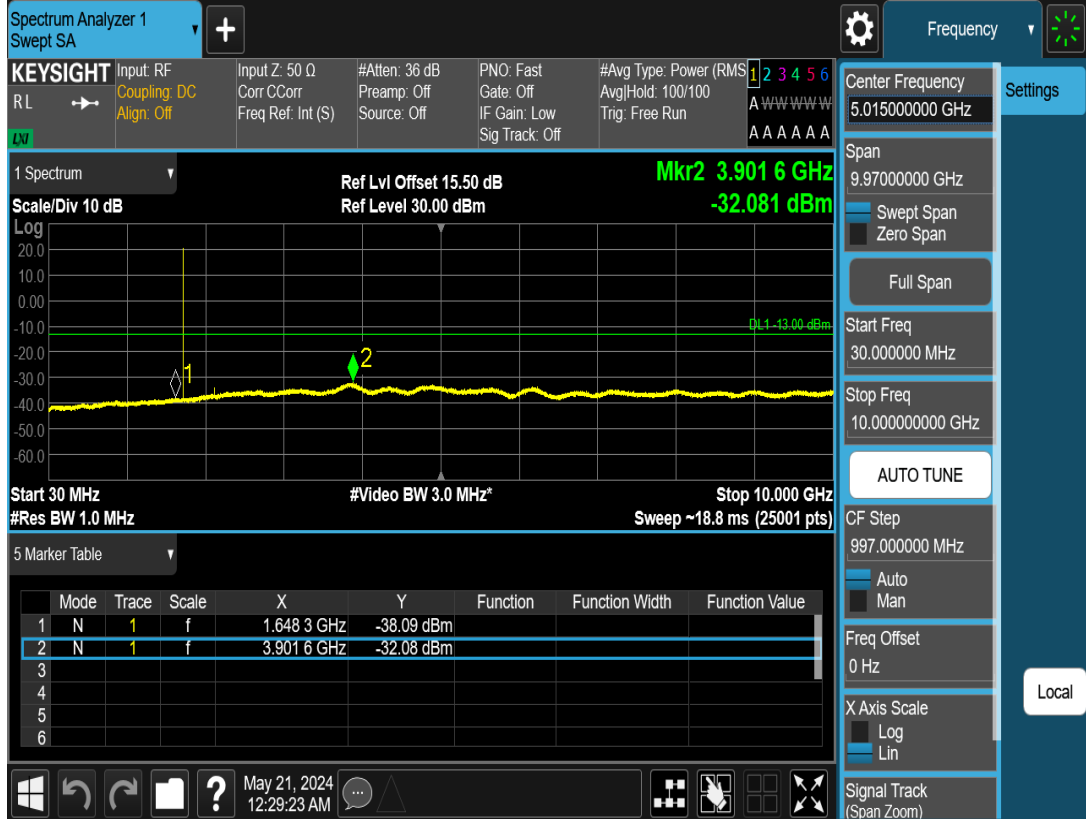
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	1.651 9 GHz			-37.86 dBm
2	N	1	f	3.852 5 GHz			-31.67 dBm
3							
4							
5							
6							

May 20, 2024 11:12:30 PM

N66-20M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



N66-20M-CSE-M-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N66-20M-CSE-M-CP-OFDM-QPSK-1RB0-10GHz-20GHz

Spectrum Analyzer 1 Swept SA

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

Center Frequency 15.000000000 GHz Settings

Span 10.0000000 GHz
 Swept Span
 Zero Span
 Full Span

Start Freq 10.000000000 GHz
 Stop Freq 20.000000000 GHz

AUTO TUNE

CF Step 1.000000000 GHz
 Auto
 Man

Freq Offset 0 Hz

X Axis Scale Log
 Lin

Signal Track (Span Zoom)

Local

1 Spectrum Ref Lvl Offset 15.50 dB Mkr1 19.972 22 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -32.684 dBm

Log

Start 10.000 GHz #Video BW 3.0 MHz* Stop 20.000 GHz
 #Res BW 1.0 MHz Sweep ~19.7 ms (36001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.972 22 GHz	-32.68 dBm		
2							
3							
4							
5							
6							

May 21, 2024 12:30:01 AM

N66-20M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Input Z: 50 Ω #Atten: 36 dB PNO: Fast #Avg Type: Power (RMS) 1 2 3 4 5 6
 RL Coupling: DC Corr: C Corr Preamp: Off Gate: Off Avg/Hold: 100/100 A www www www
 Align: Off Freq Ref: Int (S) 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 30.0000000 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 3.878 8 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -31.863 dBm

Log

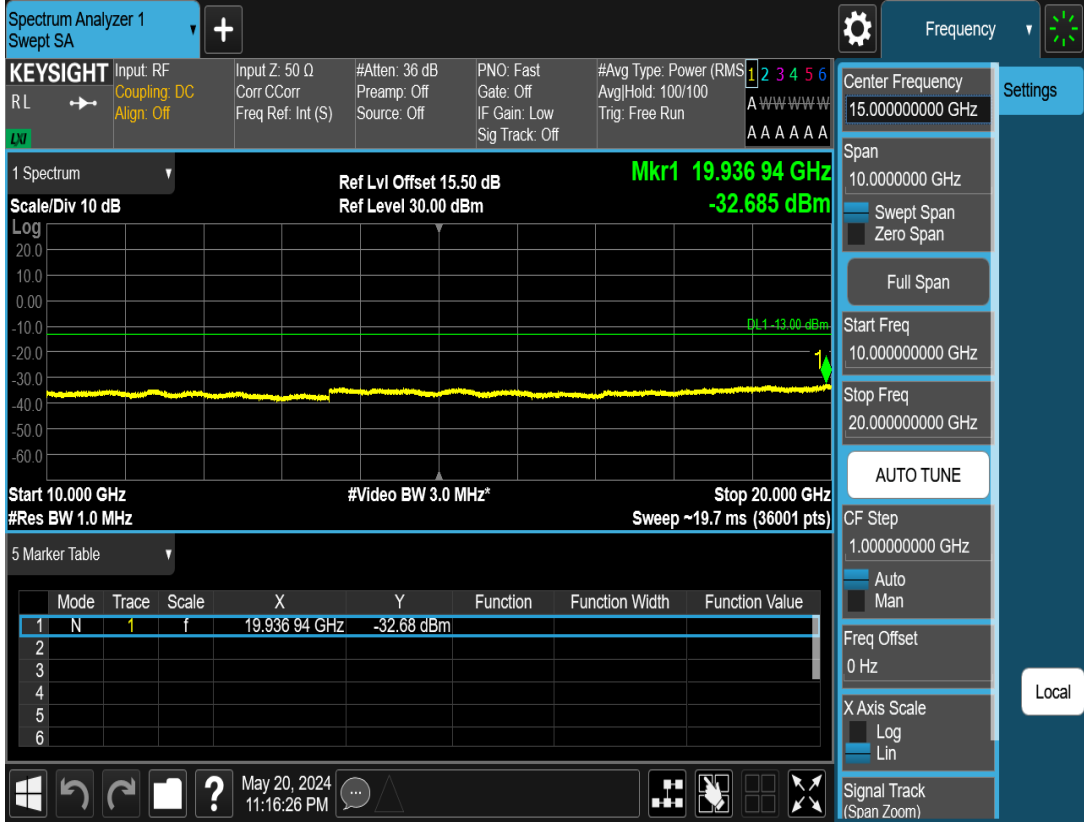
Start 30 MHz #Video BW 3.0 MHz* Stop 10.000 GHz
 #Res BW 1.0 MHz Sweep ~18.8 ms (25001 pts)

5 Marker Table

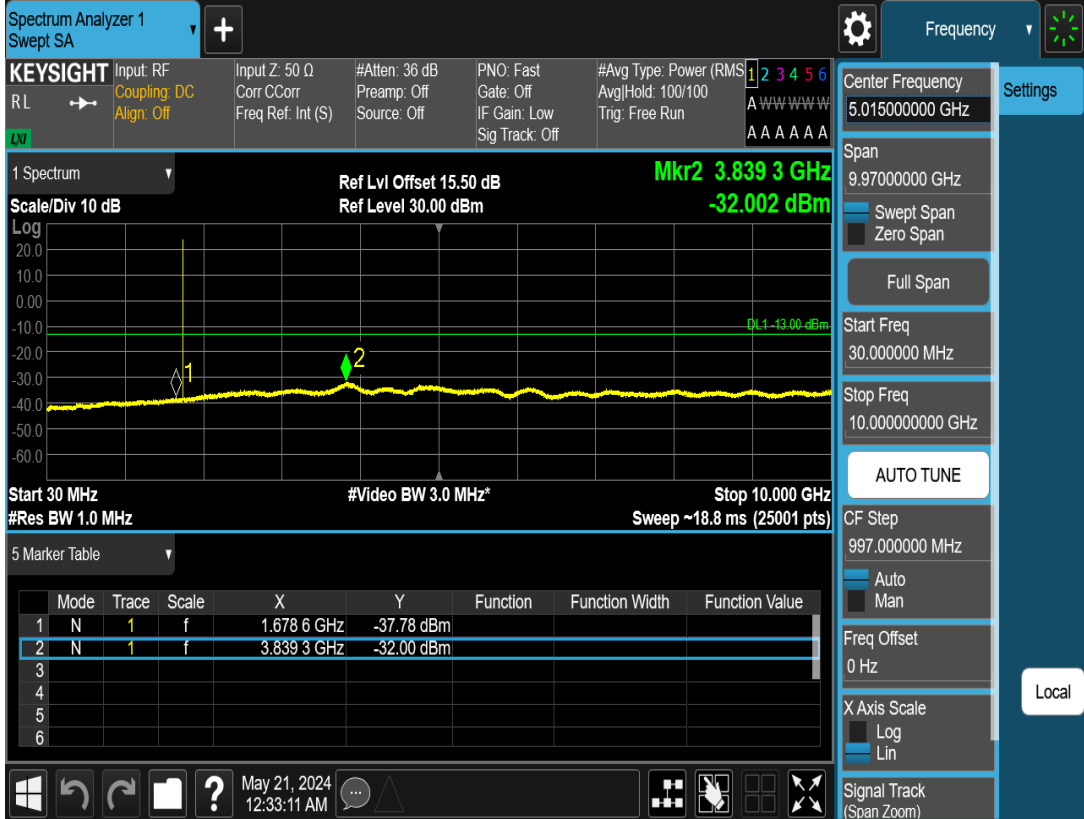
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	1.664 7 GHz	-37.97 dBm		
2	N	1	f	3.878 8 GHz	-31.86 dBm		
3							
4							
5							
6							

May 20, 2024 11:15:48 PM

N66-20M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



N66-20M-CSE-H-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N66-20M-CSE-H-CP-OFDM-QPSK-1RB0-10GHz-20GHz

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
 Sig Track: Off

1 Spectrum Ref Lvl Offset 15.50 dB **Mkr1 19.951 11 GHz**
 Scale/Div 10 dB Ref Level 30.00 dBm **-32.549 dBm**

Start 10.000 GHz #Video BW 3.0 MHz* Stop 20.000 GHz
 #Res BW 1.0 MHz Sweep ~19.7 ms (36001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	f	19.951 11 GHz	-32.55 dBm			
2							
3							
4							
5							
6							

Frequency

Center Frequency
15.000000000 GHz

Span
10.0000000 GHz

Swept Span
Zero Span

Full Span

Start Freq
10.000000000 GHz

Stop Freq
20.000000000 GHz

AUTO TUNE

CF Step
1.000000000 GHz

Auto
Man

Freq Offset
0 Hz

X Axis Scale
Log
Lin

Signal Track
(Span Zoom)

Settings

Local

May 21, 2024 12:33:49 AM