

N2-5M-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: C Corr Freq Ref: Int (S) Preamp: Off Gate: Off Avg/Hold: 100/100 A www www www
 Align: Light 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)

Ref Lvl Offset 15.50 dB Mkr1 19.144 72 GHz
 Ref Level 30.00 dBm -31.945 dBm

Scale/Div 10 dB

Log

Start 10.000 GHz #Video BW 3.0 MHz* Stop 20.000 GHz
 #Res BW 1.0 MHz Sweep ~19.5 ms (36001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.144 72 GHz	-31.94 dBm		
2							
3							
4							
5							
6							

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N2-5M-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: C Corr Freq Ref: Int (S) Preamp: Off Gate: Off Avg/Hold: 100/100 A www www www
 Align: Light 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 997.00000000 MHz
 Auto
 Man

Freq Offset 0 Hz
 X Axis Scale Log Lin
 Signal Track (Span Zoom)

Ref Lvl Offset 15.50 dB Mkr2 1.986 9 GHz
 Ref Level 30.00 dBm -32.954 dBm

Scale/Div 10 dB

Log

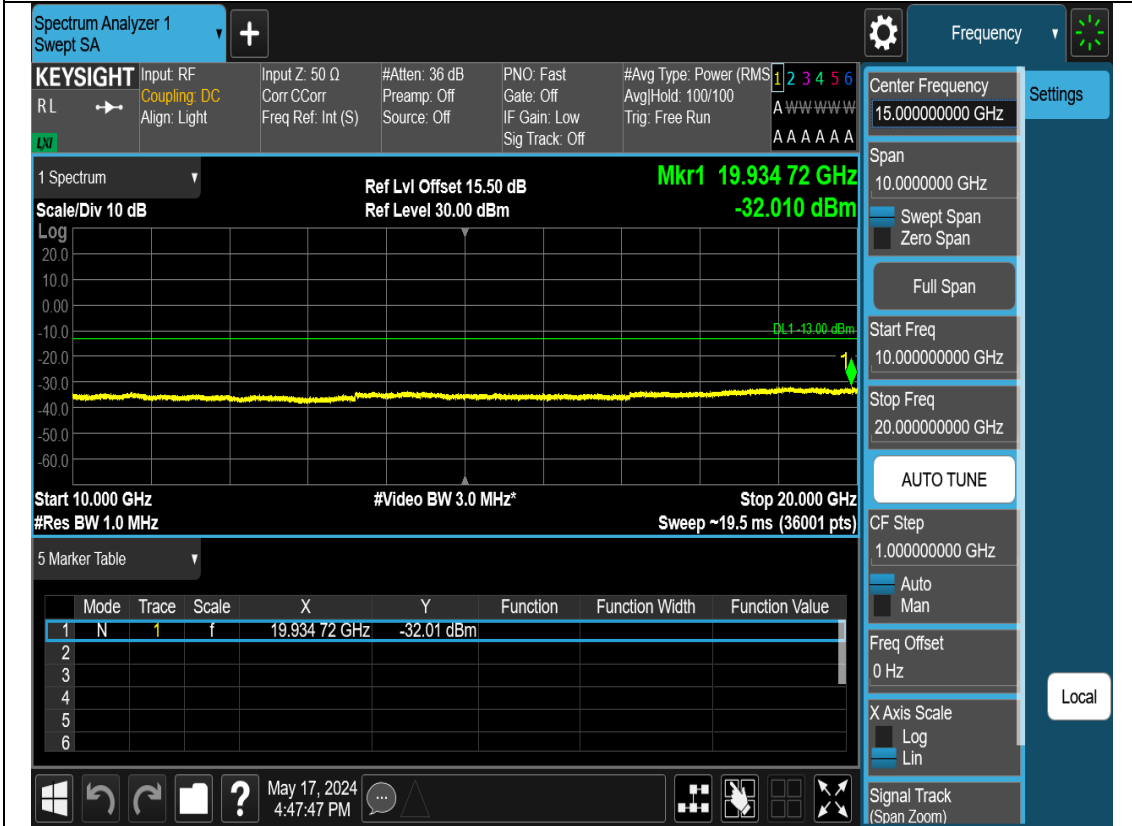
Start 30 MHz #Video BW 3.0 MHz* Stop 10.000 GHz
 #Res BW 1.0 MHz Sweep ~18.5 ms (25001 pts)

5 Marker Table

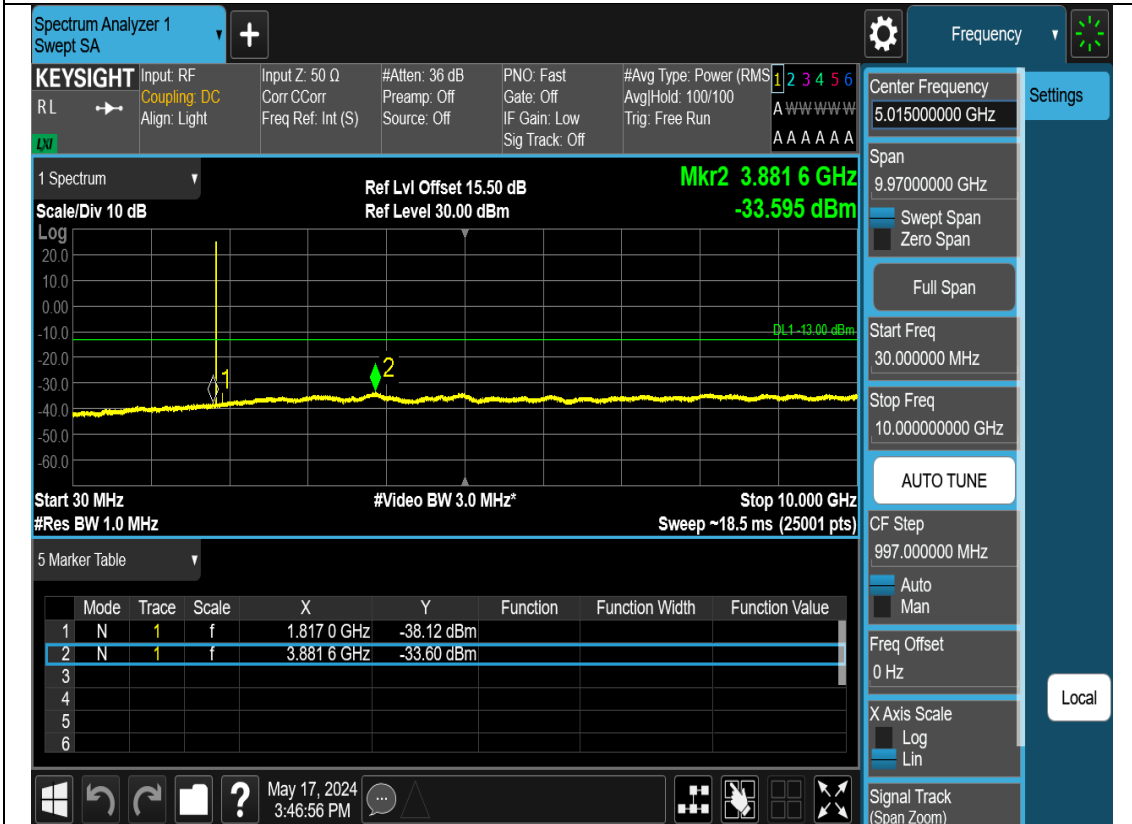
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	1.826 6 GHz	-38.16 dBm		
2	N	1	f	1.986 9 GHz	-32.95 dBm		
3							
4							
5							
6							

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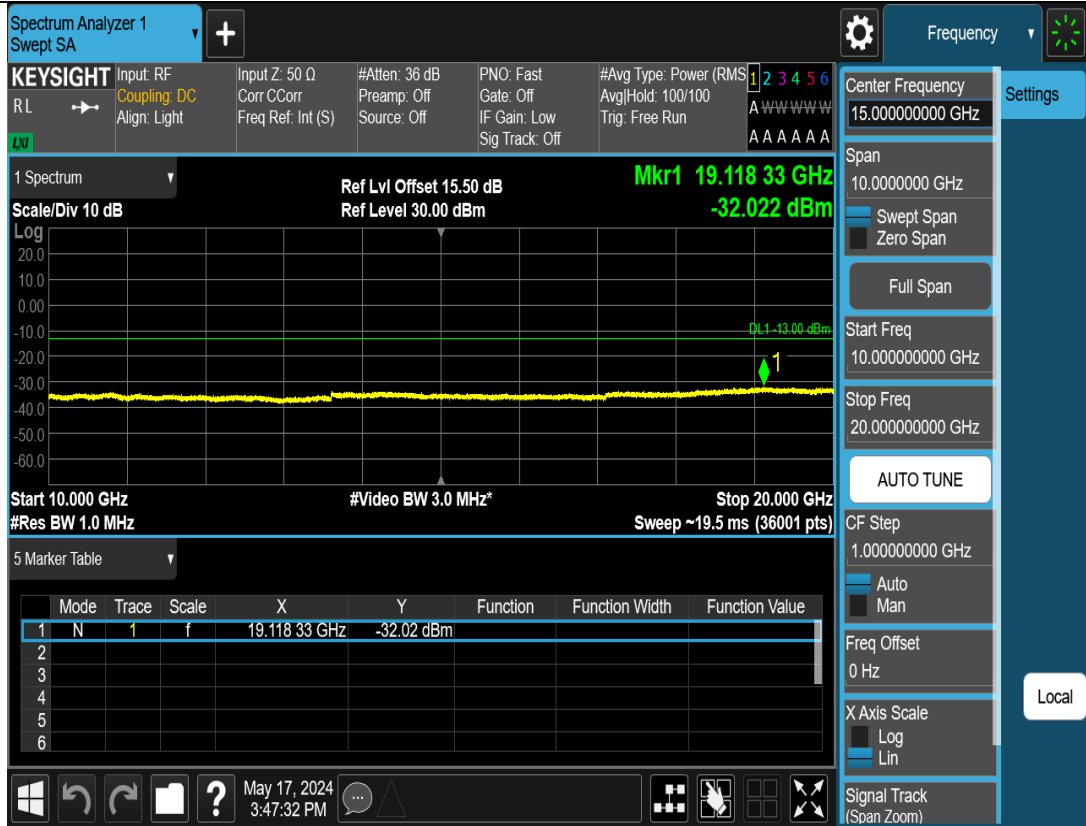
N2-5M-CSE-H-CP-OFDM-QPSK-1RB0-10GHz-20GHz



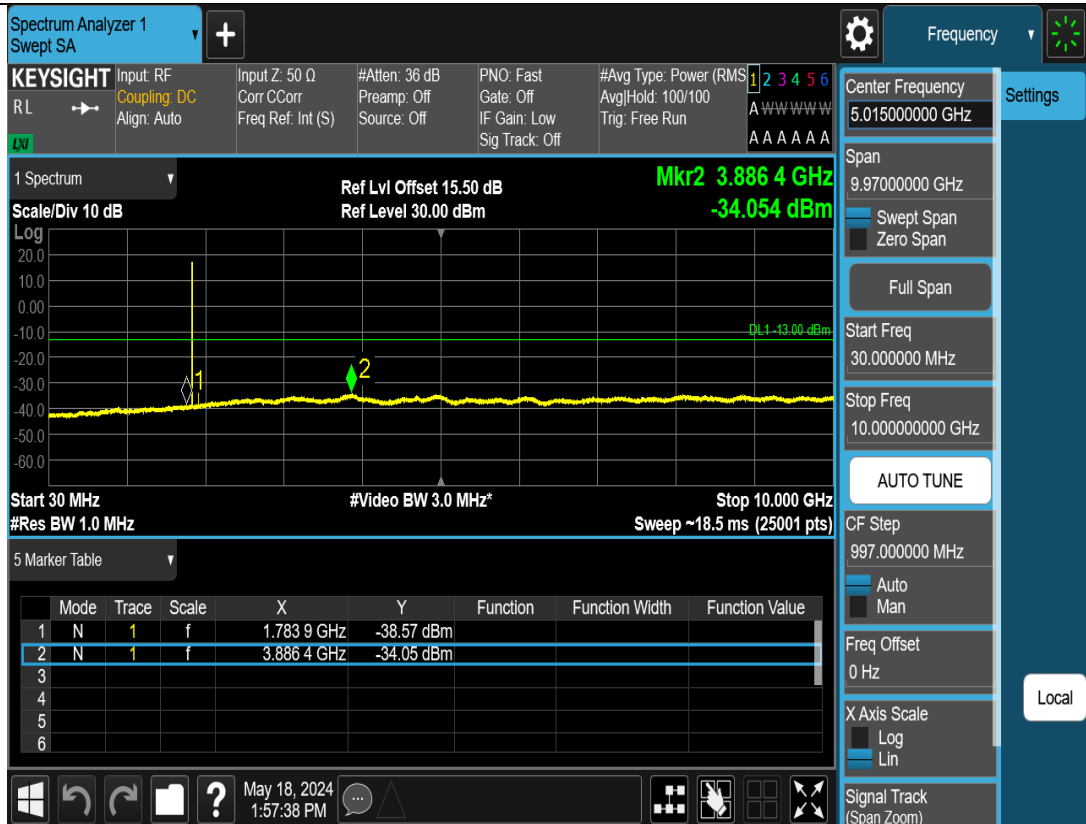
N2-10M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N2-10M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



N2-10M-CSE-L-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N2-10M-CSE-L-CP-OFDM-QPSK-1RB0-10GHz-20GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Auto 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 A www www www A A A A A A

Center Frequency 15.000000000 GHz

Span 10.00000000 GHz

Start Freq 10.000000000 GHz

Stop Freq 20.000000000 GHz

AUTO TUNE

CF Step 1.000000000 GHz

Freq Offset 0 Hz

X Axis Scale Log Lin

Signal Track (Span Zoom)

Ref Lvl Offset 15.50 dB Ref Level 30.00 dBm

Mkr1 19.021 11 GHz -32.358 dBm

DL1 -13.00 dBm

Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 20.000 GHz Sweep ~19.5 ms (36001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.021 11 GHz	-32.36 dBm		
2							
3							
4							
5							
6							

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N2-10M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Light 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 A www www www A A A A A A

Center Frequency 5.015000000 GHz

Span 9.97000000 GHz

Start Freq 30.000000 MHz

Stop Freq 10.000000000 GHz

AUTO TUNE

CF Step 997.000000 MHz

Freq Offset 0 Hz

X Axis Scale Log Lin

Signal Track (Span Zoom)

Ref Lvl Offset 15.50 dB Ref Level 30.00 dBm

Mkr2 1.957 4 GHz -31.497 dBm

DL1 -13.00 dBm

Start 30 MHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 10.000 GHz Sweep ~18.5 ms (25001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	1.781 9 GHz	-37.88 dBm		
2	N	1	f	1.957 4 GHz	-31.50 dBm		
3							
4							
5							
6							

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N2-10M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Light

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 10.00000000 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 19.240 00 GHz -32.112 dBm

DL1 -13.00 dBm

Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 20.000 GHz Sweep ~19.5 ms (36001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.240 00 GHz	-32.11 dBm		
2							
3							
4							
5							
6							

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N2-10M-CSE-M-CP-OFDM-QPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Auto

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 30.000000 MHz

Stop Freq 10.000000000 GHz

Scale/Div 10 dB

Ref Lvl Offset 15.50 dB

Ref Level 30.00 dBm

Mkr2 1.957 0 GHz -32.543 dBm

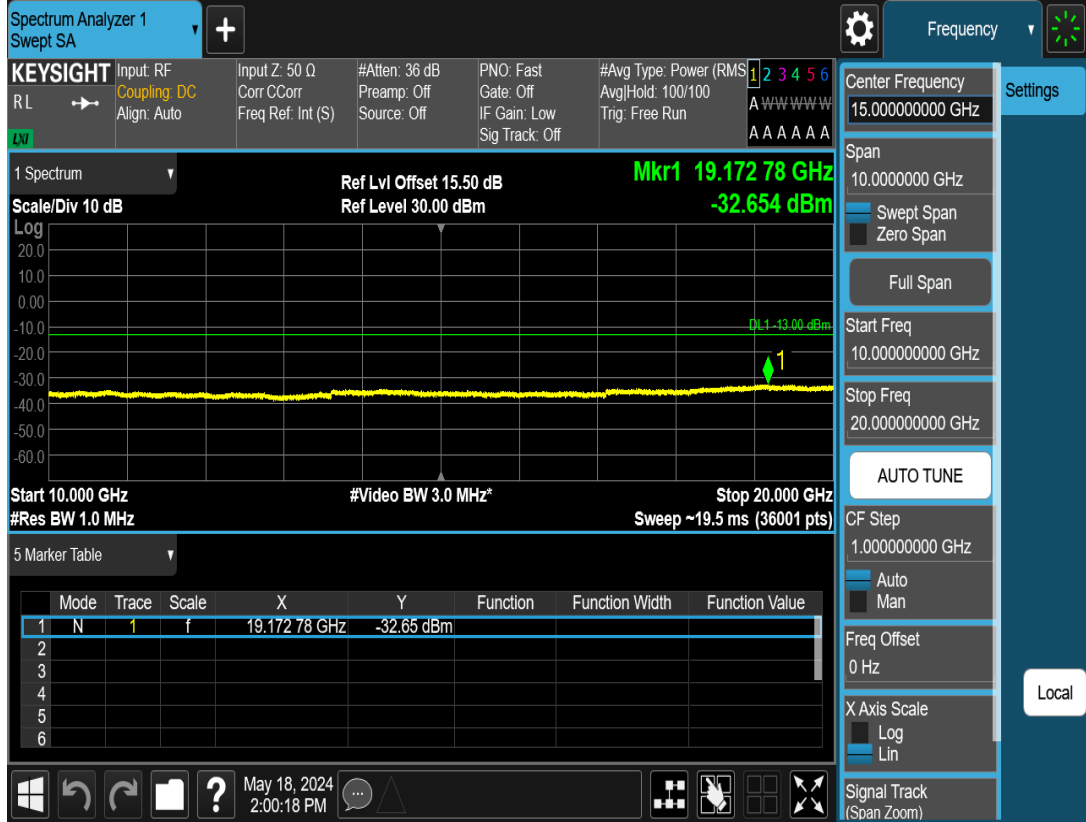
DL1 -13.00 dBm

Start 30 MHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 10.000 GHz Sweep ~18.5 ms (25001 pts)

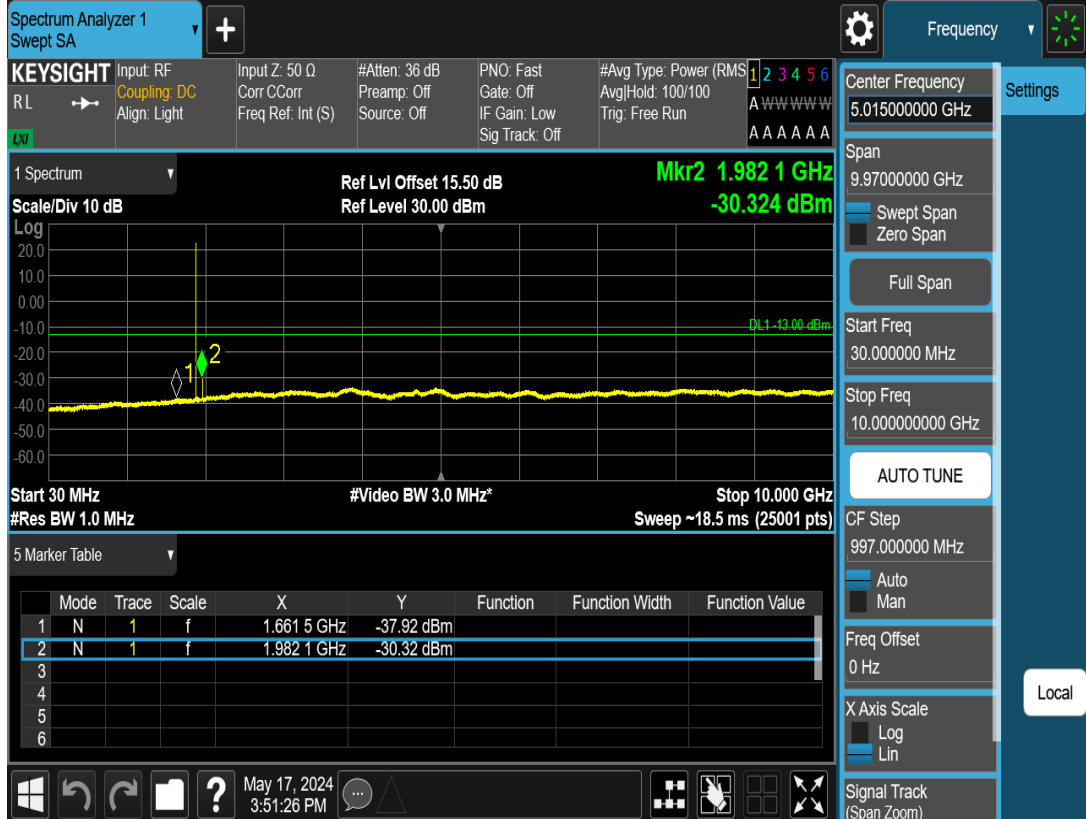
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	1.715 3 GHz	-38.59 dBm		
2	N	1	f	1.957 0 GHz	-32.54 dBm		
3							
4							
5							
6							

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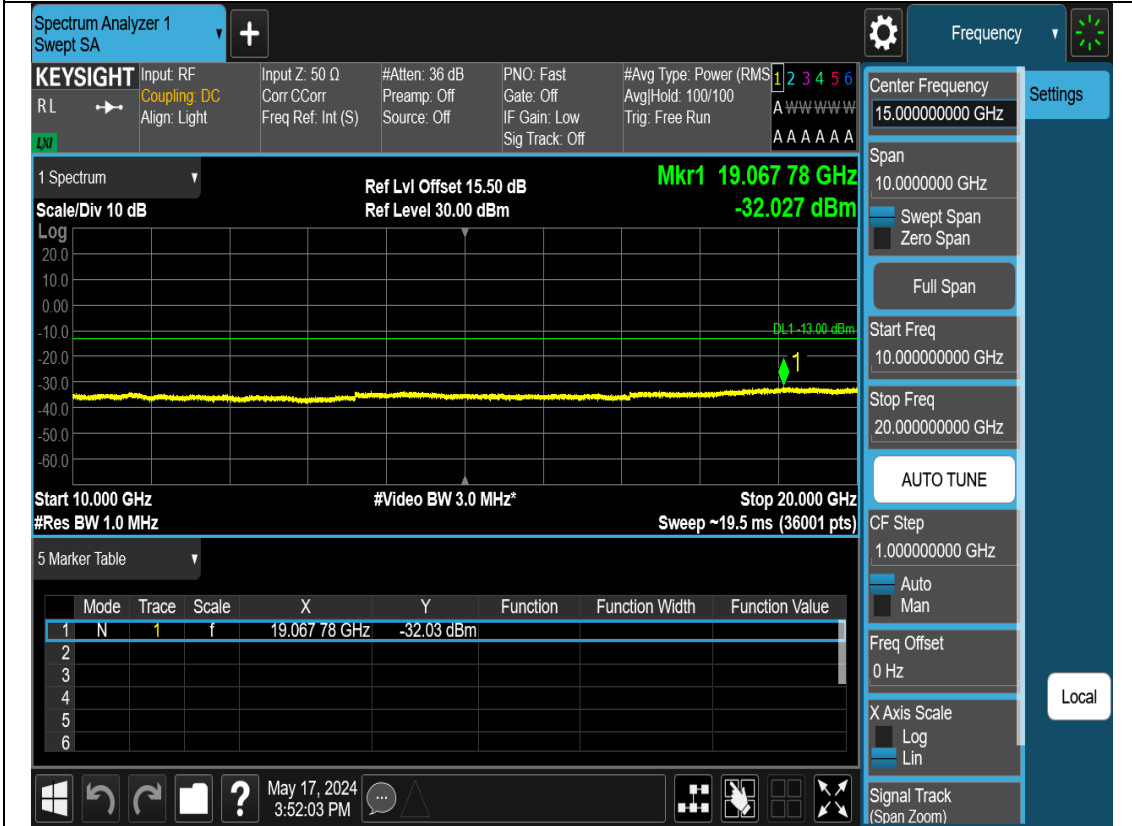
N2-10M-CSE-M-CP-OFDM-QPSK-1RB0-10GHz-20GHz



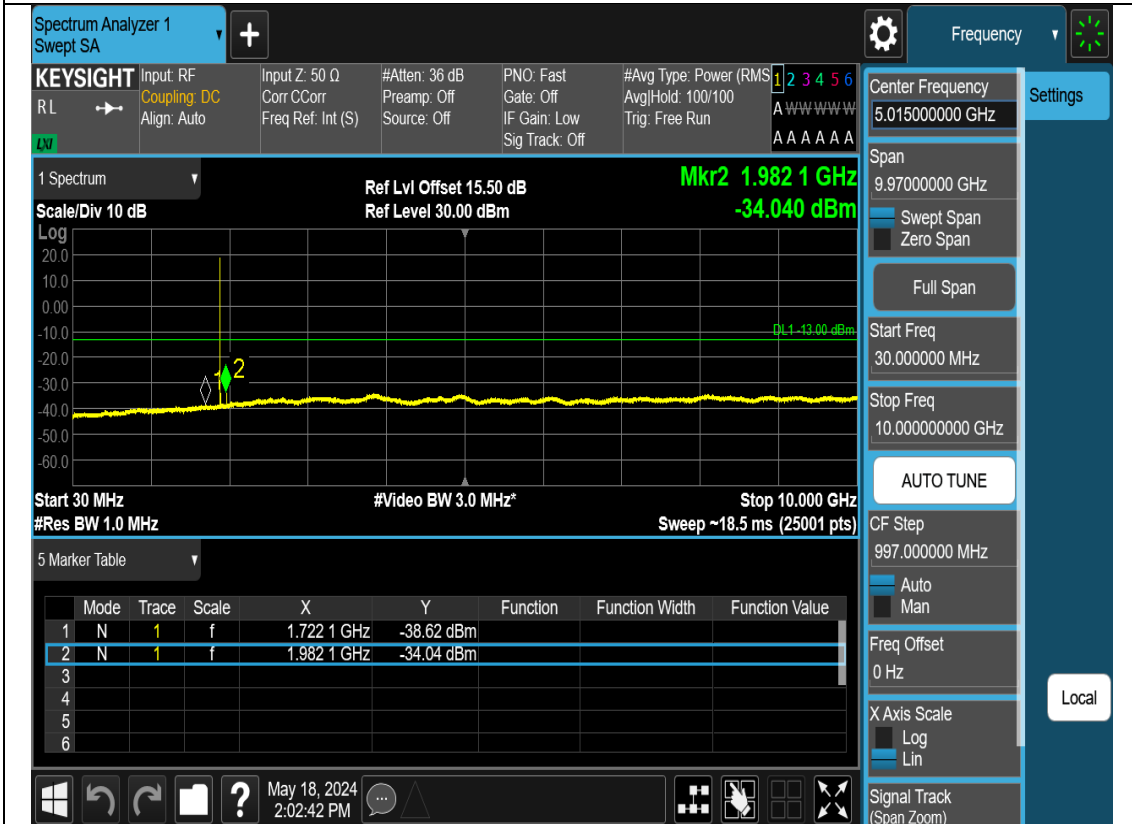
N2-10M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



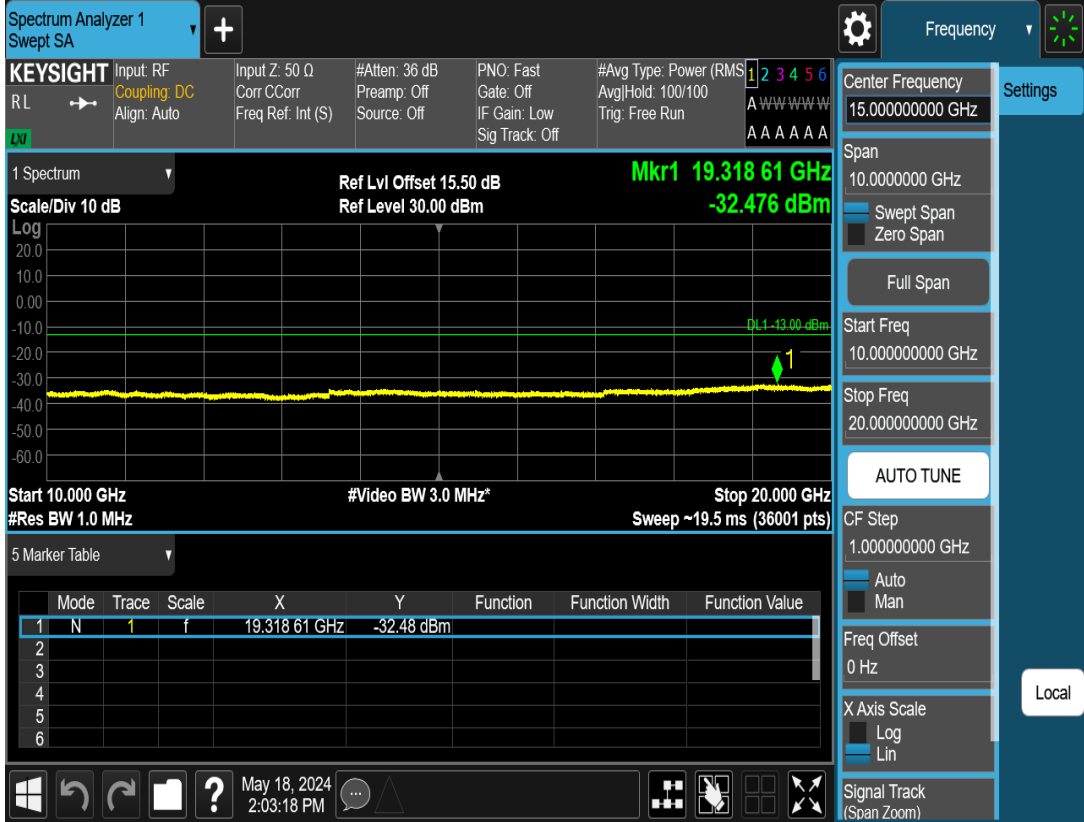
N2-10M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



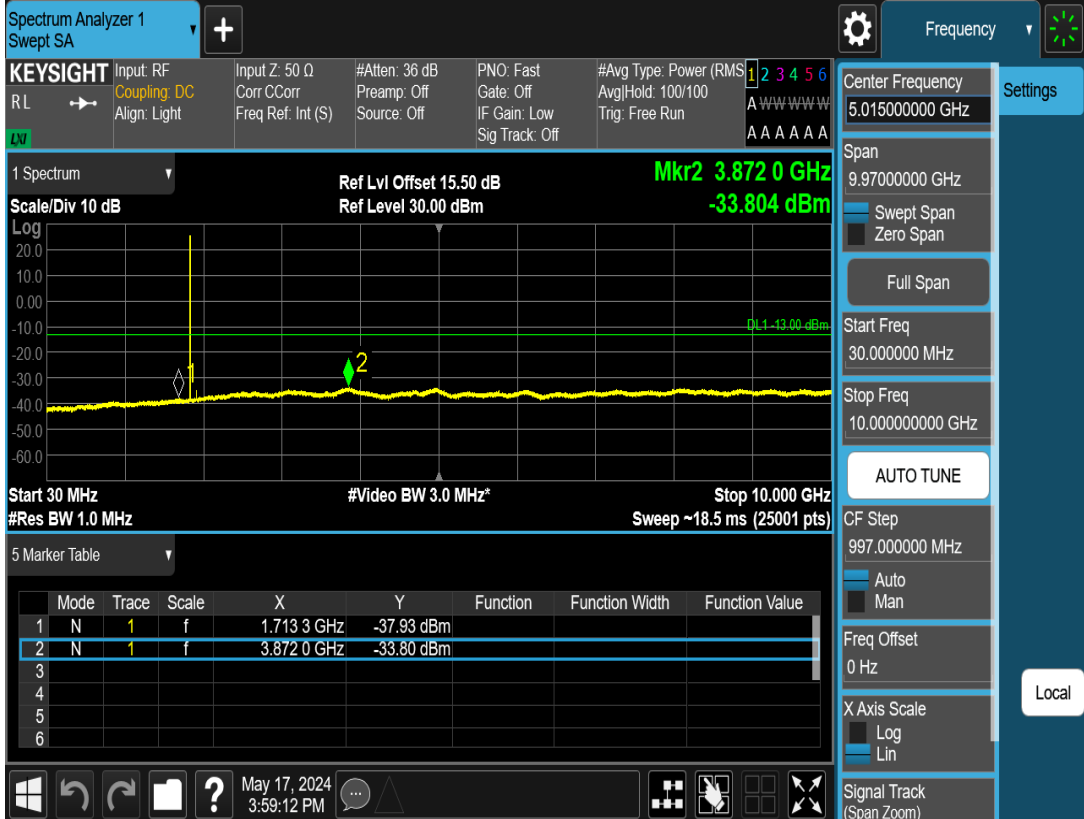
N2-10M-CSE-H-CP-OFDM-QPSK-1RB0-30MHz-10GHz



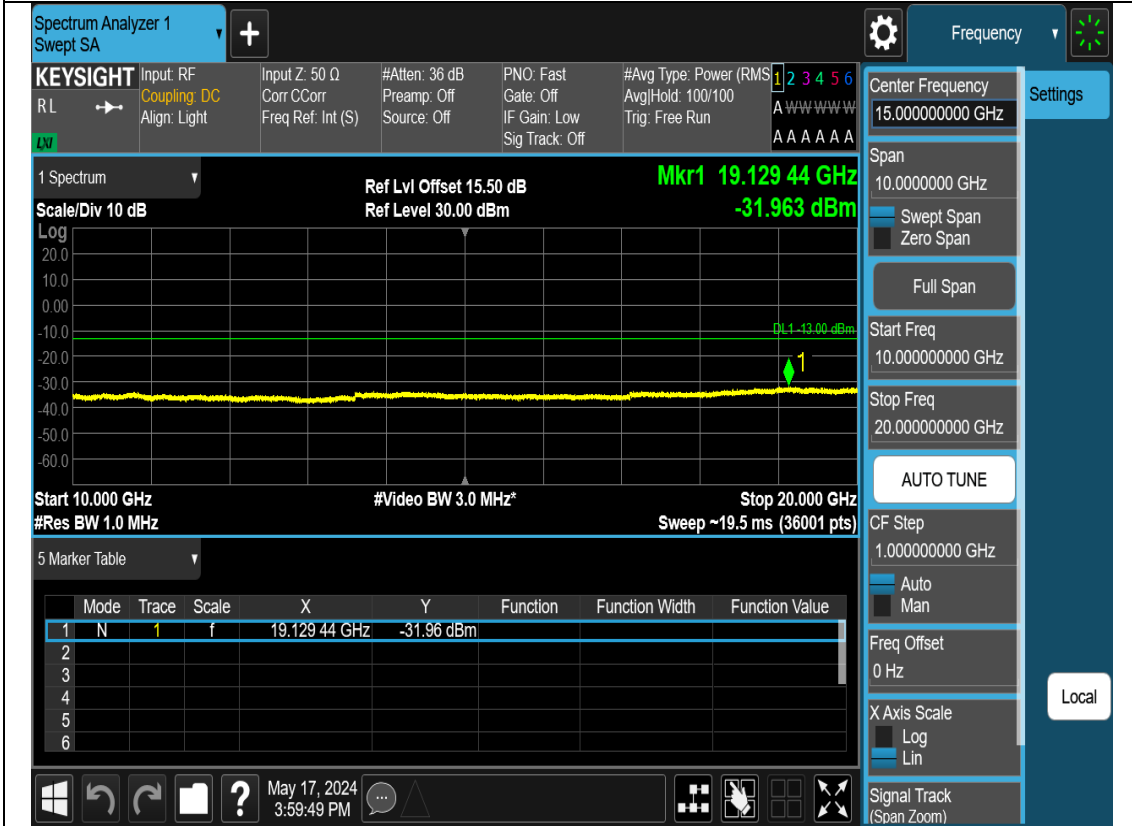
N2-10M-CSE-H-CP-OFDM-QPSK-1RB0-10GHz-20GHz



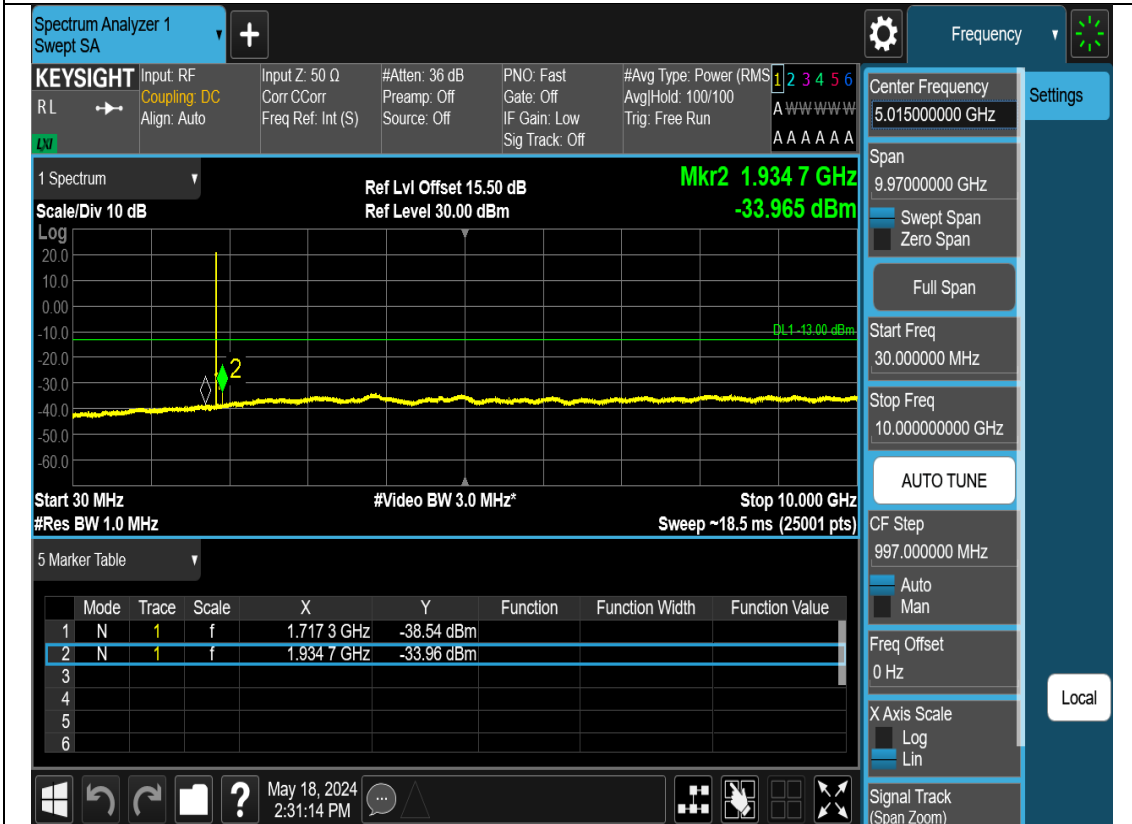
N2-15M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz



N2-15M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



N2-15M-CSE-L-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N2-15M-CSE-L-CP-OFDM-QPSK-1RB0-10GHz-20GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Auto

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) AvglHold: 100/100 Trig: Free Run

Center Frequency: 15.000000000 GHz

Span: 10.0000000 GHz

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

Mkr1 19.096 39 GHz -32.436 dBm

Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 20.000 GHz Sweep ~19.5 ms (36001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.096 39 GHz			-32.44 dBm
2							
3							
4							
5							
6							

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N2-15M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Light

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) AvglHold: 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

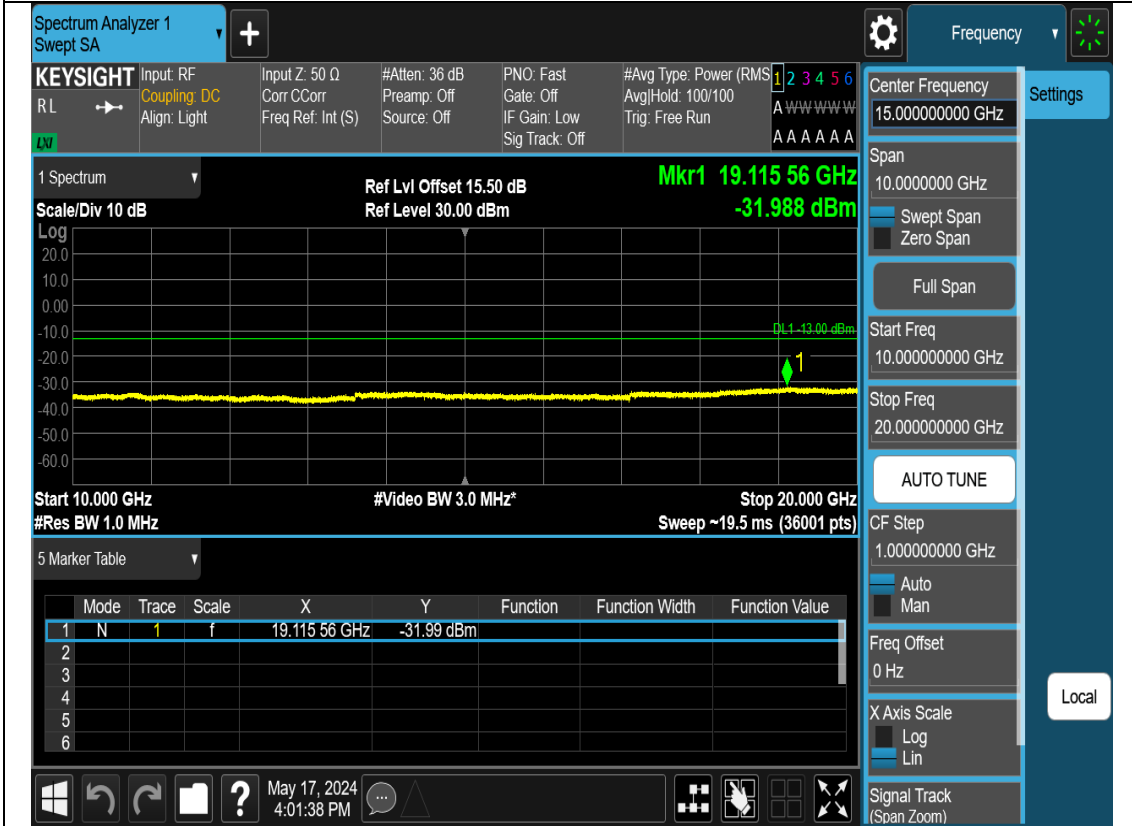
Mkr2 1.956 2 GHz -32.718 dBm

Start 30 MHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 10.000 GHz Sweep ~18.5 ms (25001 pts)

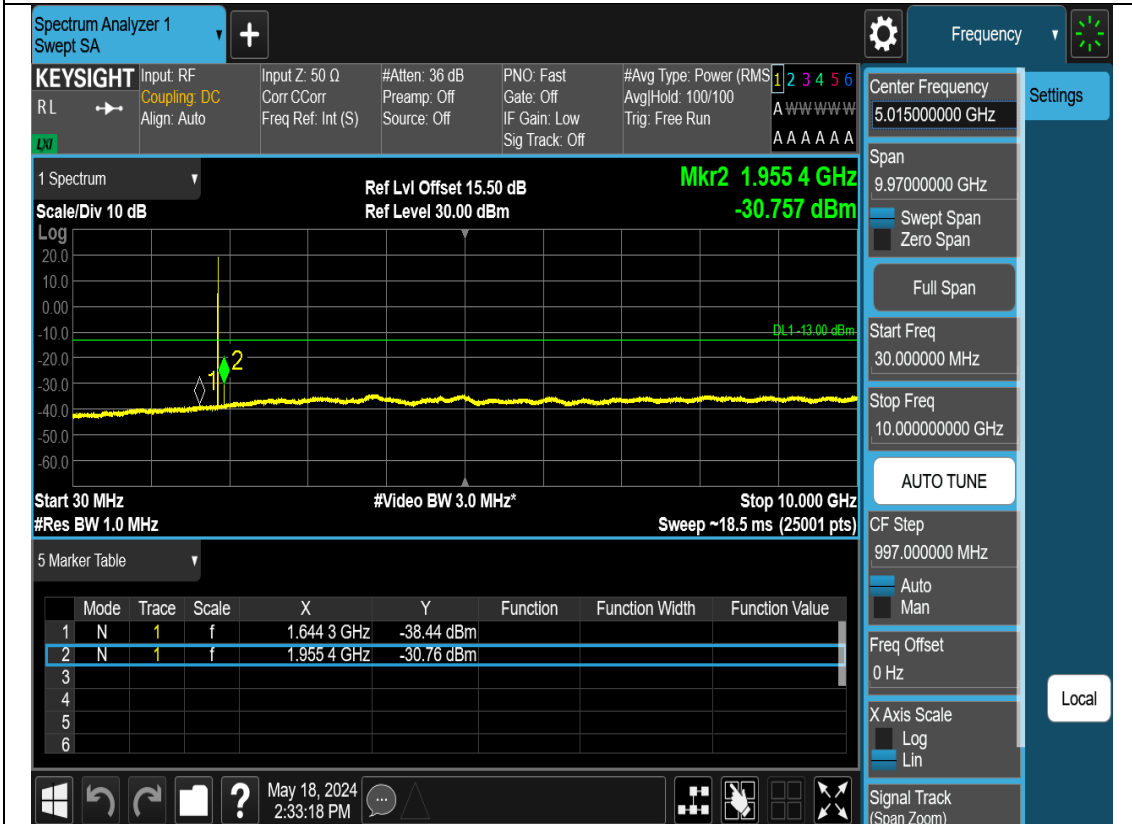
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	1.714 5 GHz			-38.06 dBm
2	N	1	f	1.956 2 GHz			-32.72 dBm
3							
4							
5							
6							

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N2-15M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



N2-15M-CSE-M-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N2-15M-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: Auto 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)

1 Spectrum Ref Lvl Offset 15.50 dB Mkr1 19.476 67 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -32.349 dBm

Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 20.000 GHz
 Sweep ~19.5 ms (36001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.476 67 GHz			-32.35 dBm
2							
3							
4							
5							
6							

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N2-15M-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: Light 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)

1 Spectrum Ref Lvl Offset 15.50 dB Mkr2 1.976 9 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -32.474 dBm

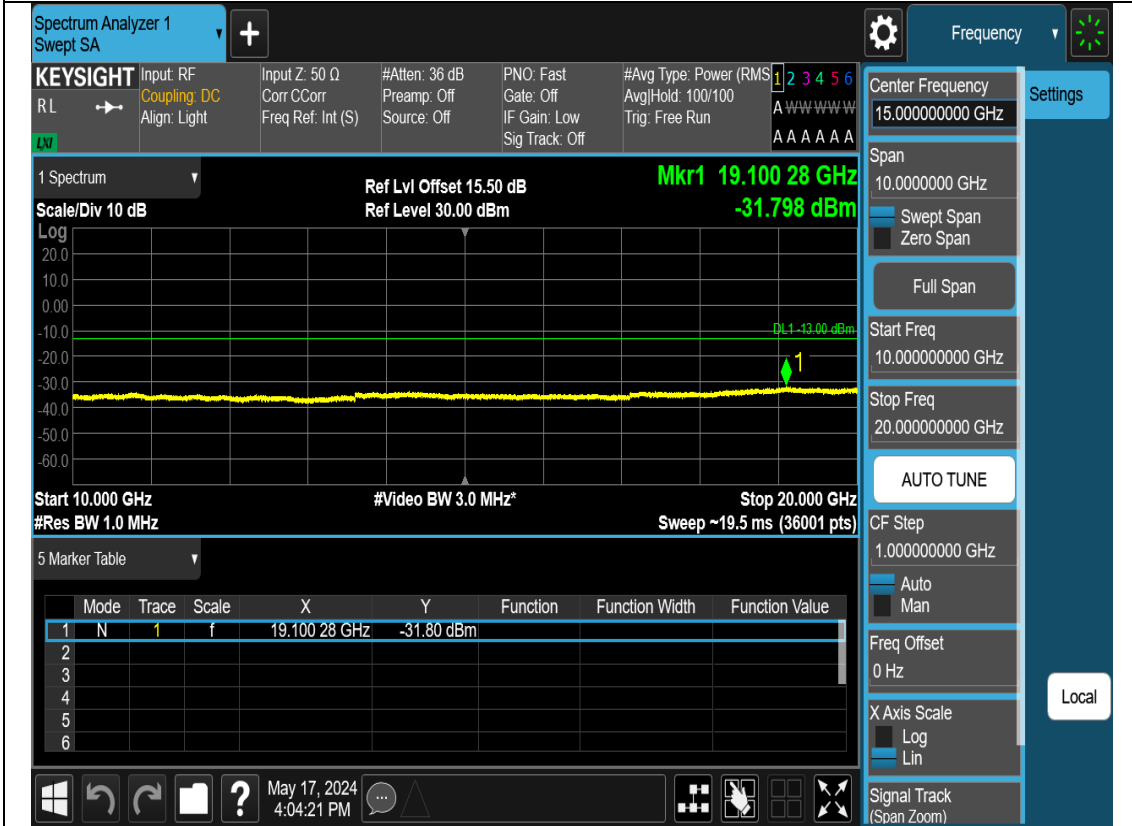
Start 30 MHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 10.000 GHz
 Sweep ~18.5 ms (25001 pts)

5 Marker Table

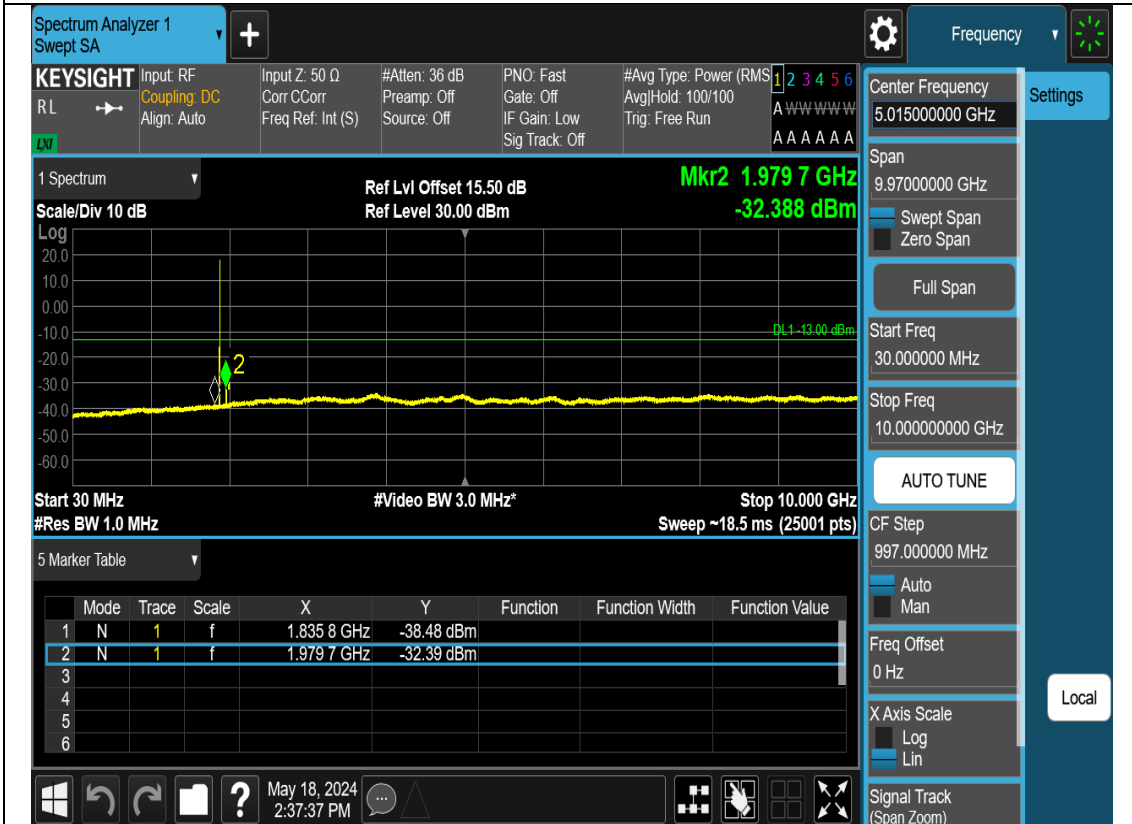
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	1.754 0 GHz			-37.89 dBm
2	N	1	f	1.976 9 GHz			-32.47 dBm
3							
4							
5							
6							

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N2-15M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



N2-15M-CSE-H-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N2-15M-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 C/Corr Preamp: Off Gate: Off Avg/Hold: 100/100 A www www www
 Align: Auto 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 18.987 22 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -32.520 dBm

Log

20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

DL1 -13.00 dBm

1

Start 10.000 GHz #Video BW 3.0 MHz* Stop 20.000 GHz
 #Res BW 1.0 MHz Sweep ~19.5 ms (36001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	18.987 22 GHz	-32.52 dBm		
2							
3							
4							
5							
6							

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N2-20M-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 C/Corr Preamp: Off Gate: Off Avg/Hold: 100/100 A www www www
 Align: Light 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 3.875 2 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -33.642 dBm

Log

20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0

DL1 -13.00 dBm

2

Start 30 MHz #Video BW 3.0 MHz* Stop 10.000 GHz
 #Res BW 1.0 MHz Sweep ~18.5 ms (25001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	1.705 8 GHz	-38.04 dBm		
2	N	1	f	3.875 2 GHz	-33.64 dBm		
3							
4							
5							
6							

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N2-20M-CSE-L-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Light

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 19.095 00 GHz -32.133 dBm

DL1 -13.00 dBm

Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 20.000 GHz Sweep ~19.5 ms (36001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.095 00 GHz	-32.13 dBm		
2							
3							
4							
5							
6							

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N2-20M-CSE-L-CP-OFDM-QPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Auto

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 30.000000 MHz

Stop Freq 10.000000000 GHz

Scale/Div 10 dB

Ref Lvl Offset 15.50 dB

Ref Level 30.00 dBm

Mkr2 1.934 7 GHz -32.452 dBm

DL1 -13.00 dBm

Start 30 MHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 10.000 GHz Sweep ~18.5 ms (25001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	1.811 4 GHz	-38.59 dBm		
2	N	1	f	1.934 7 GHz	-32.45 dBm		
3							
4							
5							
6							

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N2-20M-CSE-L-CP-OFDM-QPSK-1RB0-10GHz-20GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Auto

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) AvglHold: 100/100 Trig: Free Run

Center Frequency: 15.000000000 GHz

Span: 10.00000000 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 19.189 17 GHz -32.381 dBm

DL1 -13.00 dBm

Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 20.000 GHz Sweep ~19.5 ms (36001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.189 17 GHz	-32.38 dBm		
2							
3							
4							
5							
6							

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N2-20M-CSE-M-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Light

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) AvglHold: 100/100 Trig: Free Run

Center Frequency: 5.015000000 GHz

Span: 9.970000000 GHz

Start Freq: 30.00000000 MHz

Stop Freq: 10.000000000 GHz

Scale/Div 10 dB

Ref Lvl Offset 15.50 dB Ref Level 30.00 dBm

Mkr2 3.866 5 GHz -33.599 dBm

DL1 -13.00 dBm

Start 30 MHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 10.000 GHz Sweep ~18.5 ms (25001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	1.755 2 GHz	-38.11 dBm		
2	N	1	f	3.866 5 GHz	-33.60 dBm		
3							
4							
5							
6							

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N2-20M-CSE-M-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: Light 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)

1 Spectrum Ref Lvl Offset 15.50 dB Mkr1 19.125 56 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -32.090 dBm

Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 20.000 GHz
 Sweep ~19.5 ms (36001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.125 56 GHz			-32.09 dBm
2							
3							
4							
5							
6							

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N2-20M-CSE-M-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: Auto 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)

1 Spectrum Ref Lvl Offset 15.50 dB Mkr2 1.953 0 GHz
 Scale/Div 10 dB Ref Level 30.00 dBm -33.338 dBm

Start 30 MHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 10.000 GHz
 Sweep ~18.5 ms (25001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	1.800 7 GHz			-38.38 dBm
2	N	1	f	1.953 0 GHz			-33.34 dBm
3							
4							
5							
6							

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N2-20M-CSE-M-CP-OFDM-QPSK-1RB0-10GHz-20GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Auto 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 A www www www A A A A A A

Center Frequency 15.000000000 GHz

Span 10.00000000 GHz

Start Freq 10.000000000 GHz

Stop Freq 20.000000000 GHz

AUTO TUNE

CF Step 1.000000000 GHz

Freq Offset 0 Hz

X Axis Scale Log Lin

Signal Track (Span Zoom)

Ref Lvl Offset 15.50 dB Ref Level 30.00 dBm

Mkr1 19.147 50 GHz -32.537 dBm

DL1 -13.00 dBm

Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 20.000 GHz Sweep ~19.5 ms (36001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.147 50 GHz	-32.54 dBm		
2							
3							
4							
5							
6							

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N2-20M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-30MHz-10GHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF Coupling: DC Align: Light 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 A www www www A A A A A A

Center Frequency 5.015000000 GHz

Span 9.970000000 GHz

Start Freq 30.00000000 MHz

Stop Freq 10.000000000 GHz

AUTO TUNE

CF Step 997.0000000 MHz

Freq Offset 0 Hz

X Axis Scale Log Lin

Signal Track (Span Zoom)

Ref Lvl Offset 15.50 dB Ref Level 30.00 dBm

Mkr2 3.855 7 GHz -33.549 dBm

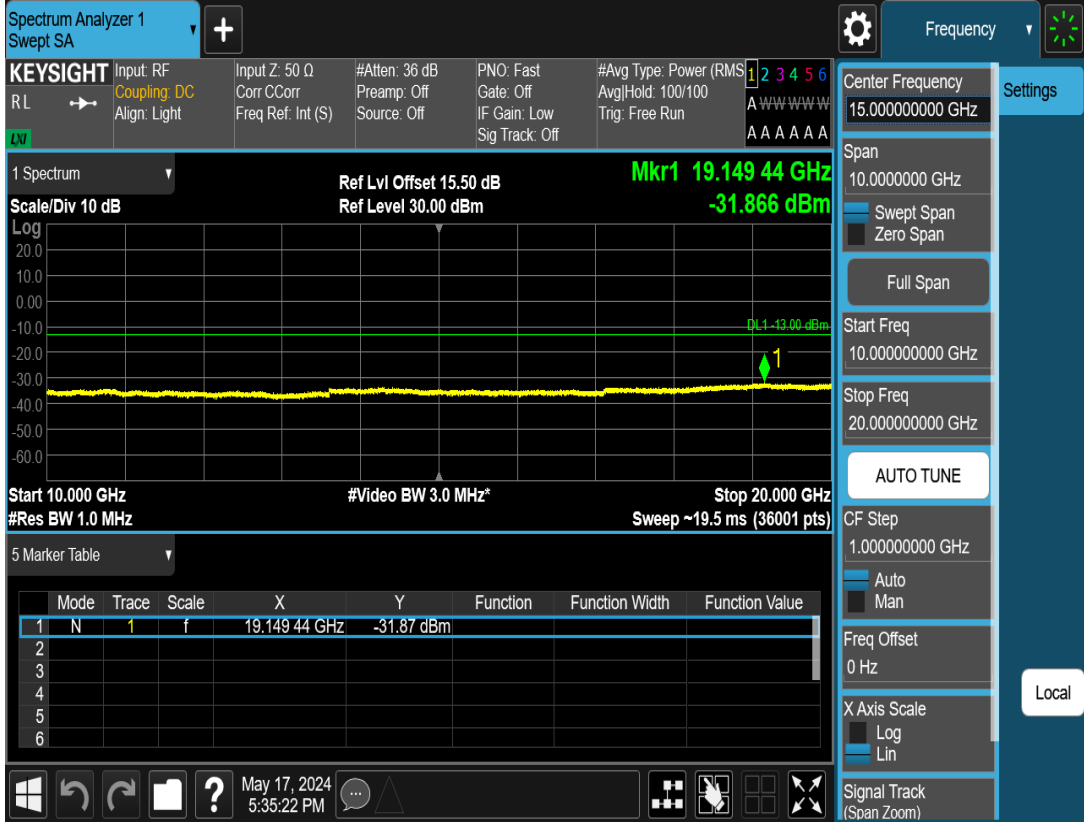
DL1 -13.00 dBm

Start 30 MHz #Res BW 1.0 MHz #Video BW 3.0 MHz* Stop 10.000 GHz Sweep ~18.5 ms (25001 pts)

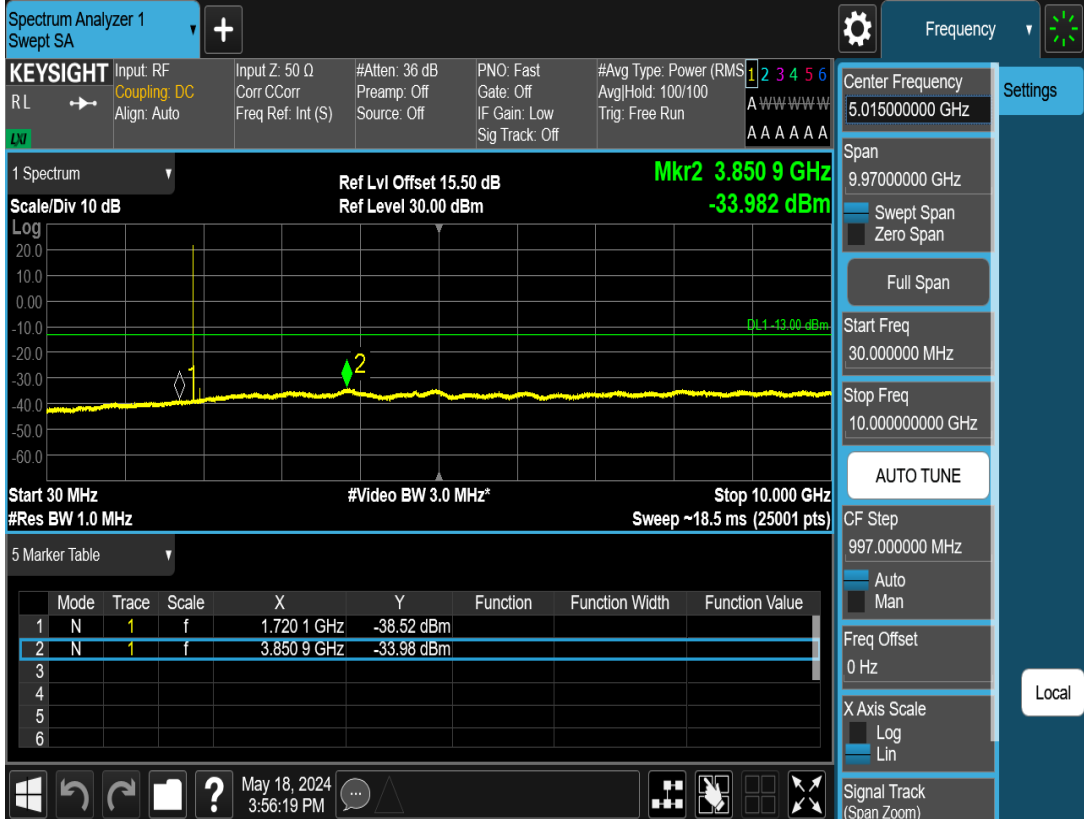
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	1.757 6 GHz	-38.00 dBm		
2	N	1	f	3.855 7 GHz	-33.55 dBm		
3							
4							
5							
6							

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N2-20M-CSE-H-DFT-s-OFDM-Pi2 BPSK-1RB0-10GHz-20GHz



N2-20M-CSE-H-CP-OFDM-QPSK-1RB0-30MHz-10GHz



N2-20M-CSE-H-CP-OFDM-QPSK-1RB0-10GHz-20GHz

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input RF
 R.L. Coupling: DC
 Align: Auto
 Input Z: 50 Ω
 Corr: CCorr
 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 www www w
 A A A A A A

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

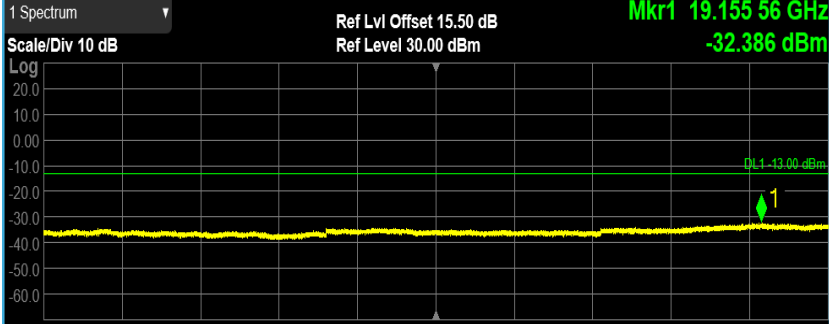
Freq Offset
0 Hz

X Axis Scale
Log
Lin

Signal Track
(Span Zoom)

Settings

Local



Start 10.000 GHz #Video BW 3.0 MHz* Stop 20.000 GHz
 #Res BW 1.0 MHz Sweep ~19.5 ms (36001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	19.155 56 GHz	-32.39 dBm		
2							
3							
4							
5							
6							

Windows taskbar: May 18, 2024 3:56:54 PM