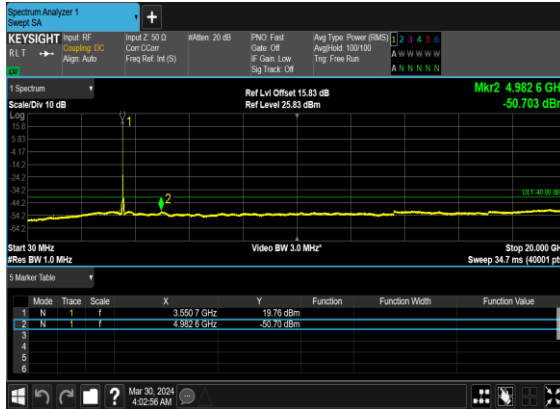


N48(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N48(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



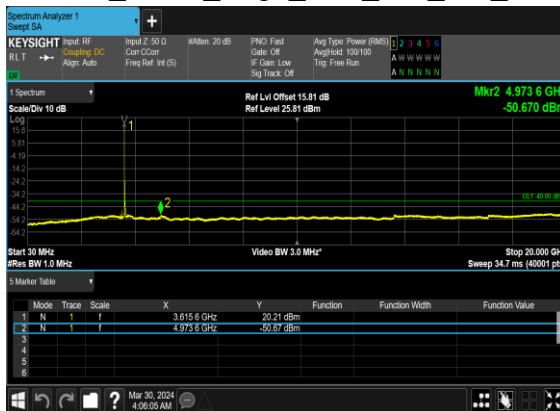
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OFDM_QPSK_Edge_1RB_Left_Low_CH



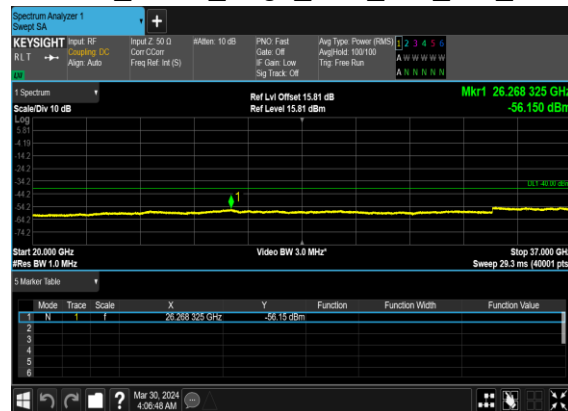
N48(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N48(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



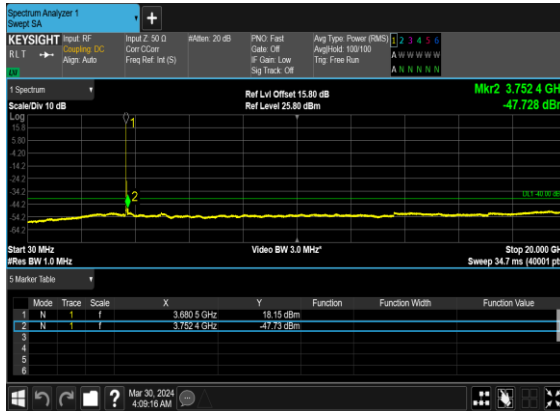
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



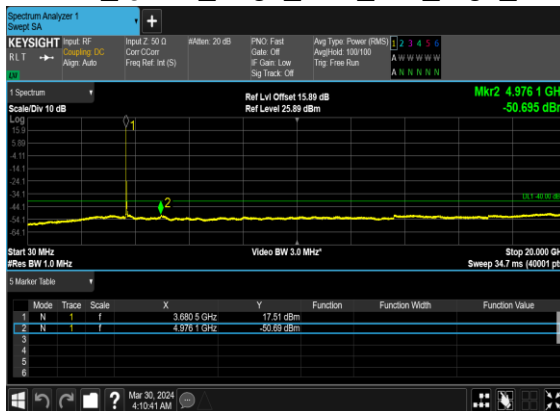
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



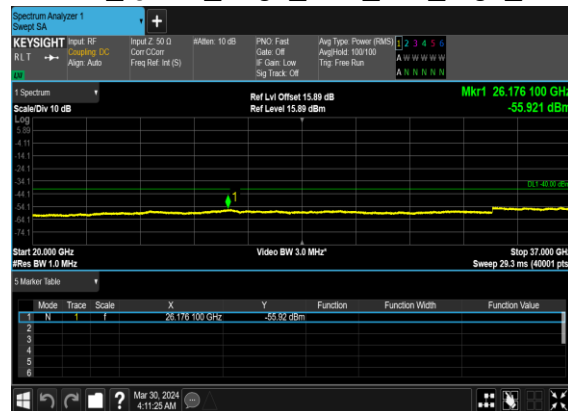
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



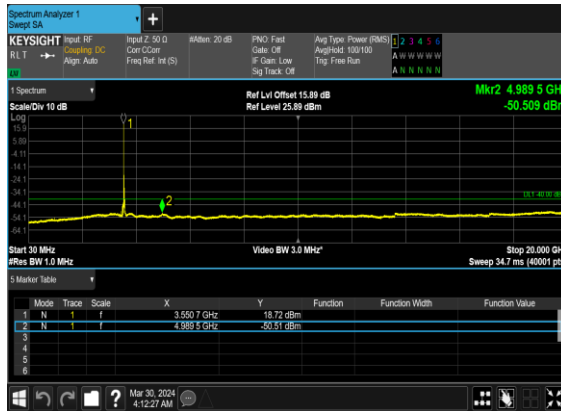
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



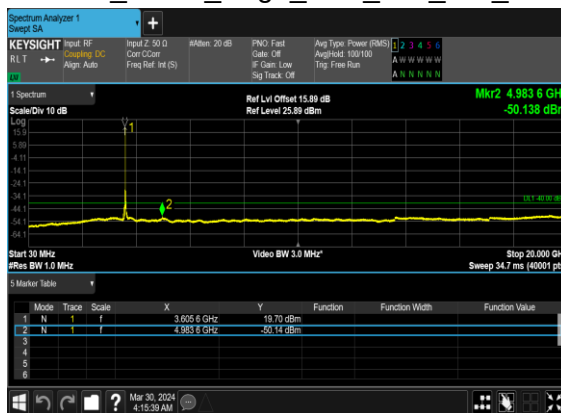
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OFDM_QPSK_Edge_1RB_Left_Low_CH



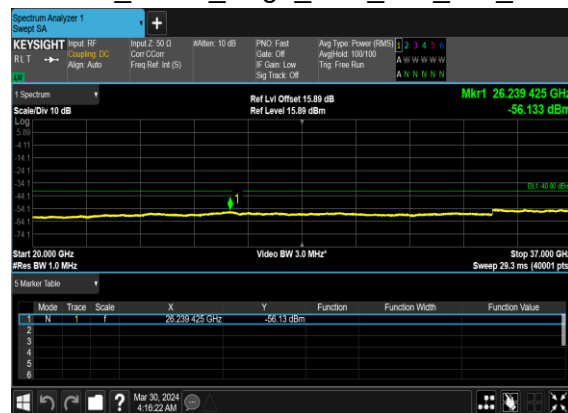
N48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



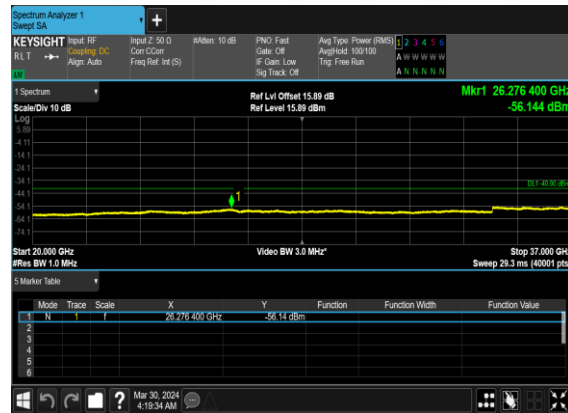
N48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



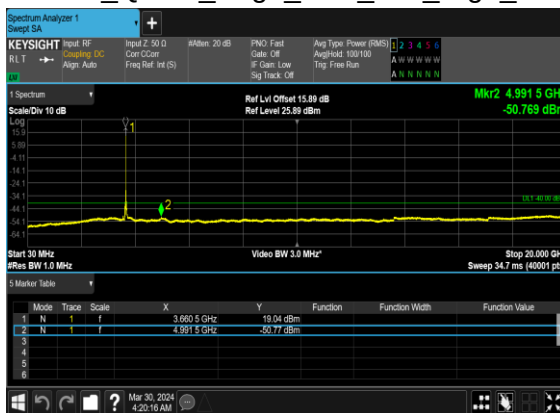
N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N48(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

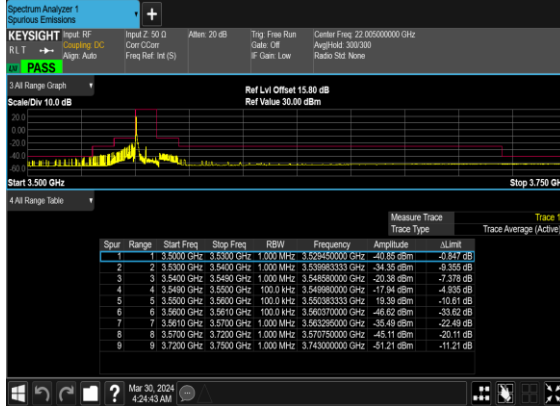


Conducted Band Edge

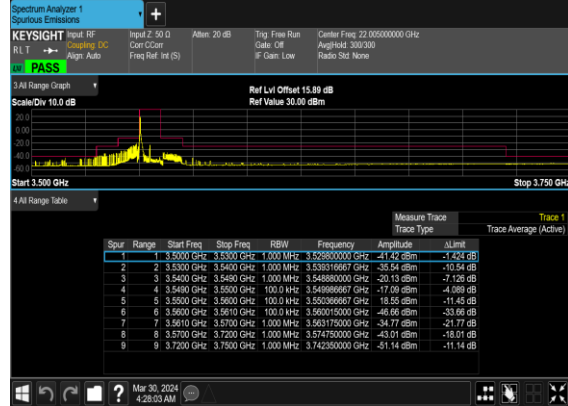
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
48	15	10	637000	3555.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
48	15	10	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	10	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	10	641666	3624.99	DFT-s-OFDM BPSK	1@51	see graph	PASS
48	15	10	641666	3624.99	DFT-s-OFDM QPSK	1@51	see graph	PASS
48	15	10	641666	3624.99	DFT-s-OFDM BPSK	50@0	see graph	PASS
48	15	10	641666	3624.99	DFT-s-OFDM QPSK	50@0	see graph	PASS
48	15	10	646332	3694.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	10	646332	3694.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	10	646332	3694.98	DFT-s-OFDM BPSK	1@51	see graph	PASS
48	15	10	646332	3694.98	DFT-s-OFDM QPSK	1@51	see graph	PASS
48	15	10	646332	3694.98	DFT-s-OFDM BPSK	50@0	see graph	PASS
48	15	10	646332	3694.98	DFT-s-OFDM QPSK	50@0	see graph	PASS
48	15	20	637334	3560.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	20	637334	3560.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	20	637334	3560.01	DFT-s-OFDM BPSK	1@105	see graph	PASS
48	15	20	637334	3560.01	DFT-s-OFDM QPSK	1@105	see graph	PASS
48	15	20	637334	3560.01	DFT-s-OFDM BPSK	100@0	see graph	PASS
48	15	20	637334	3560.01	DFT-s-OFDM QPSK	100@0	see graph	PASS
48	15	20	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	20	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	20	641666	3624.99	DFT-s-OFDM BPSK	1@105	see graph	PASS
48	15	20	641666	3624.99	DFT-s-OFDM QPSK	1@105	see graph	PASS
48	15	20	641666	3624.99	DFT-s-OFDM BPSK	100@0	see graph	PASS
48	15	20	641666	3624.99	DFT-s-OFDM QPSK	100@0	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
48	15	20	646000	3690.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
48	15	40	638000	3570.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	40	638000	3570.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	40	638000	3570.0	DFT-s-OFDM BPSK	1@215	see graph	PASS
48	15	40	638000	3570.0	DFT-s-OFDM QPSK	1@215	see graph	PASS

48	15	40	638000	3570.0	DFT-s-OFDM BPSK	216@0	see graph	PASS
48	15	40	638000	3570.0	DFT-s-OFDM QPSK	216@0	see graph	PASS
48	15	40	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	40	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	40	641666	3624.99	DFT-s-OFDM BPSK	1@215	see graph	PASS
48	15	40	641666	3624.99	DFT-s-OFDM QPSK	1@215	see graph	PASS
48	15	40	641666	3624.99	DFT-s-OFDM BPSK	216@0	see graph	PASS
48	15	40	641666	3624.99	DFT-s-OFDM QPSK	216@0	see graph	PASS
48	15	40	645332	3679.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	40	645332	3679.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	40	645332	3679.98	DFT-s-OFDM BPSK	1@215	see graph	PASS
48	15	40	645332	3679.98	DFT-s-OFDM QPSK	1@215	see graph	PASS
48	15	40	645332	3679.98	DFT-s-OFDM BPSK	216@0	see graph	PASS
48	15	40	645332	3679.98	DFT-s-OFDM QPSK	216@0	see graph	PASS

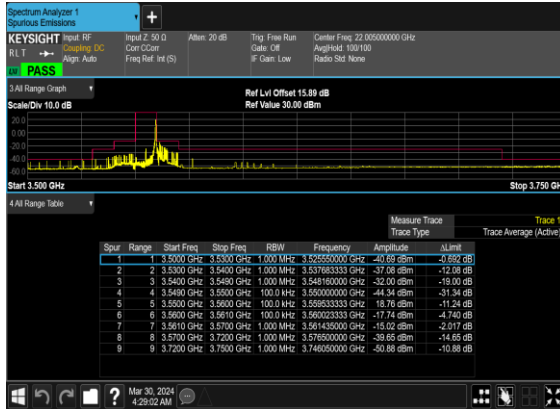
N48(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



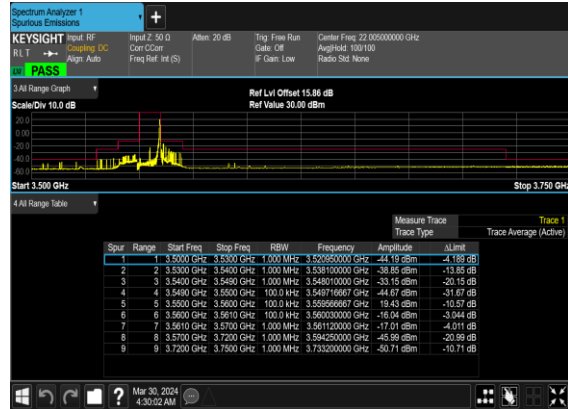
N48(10M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



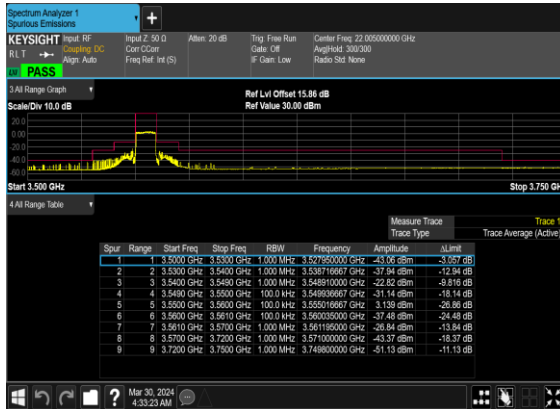
N48(10M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_Low_CH



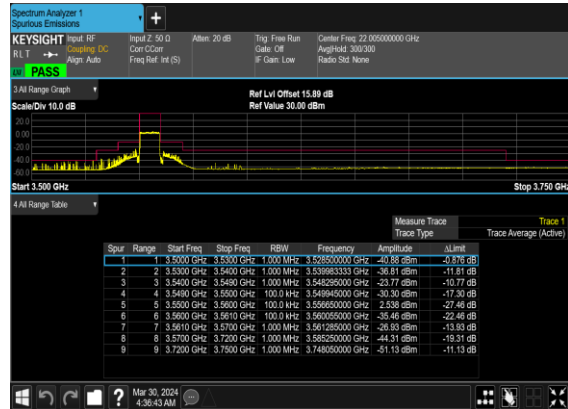
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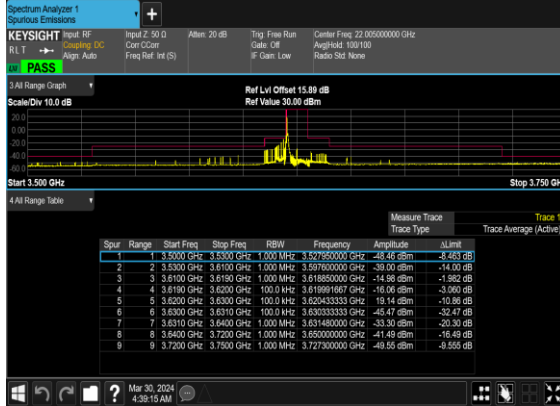
N48(10M)_DFT-s- OFDM_BPSK_Outer_Full_Low_CH



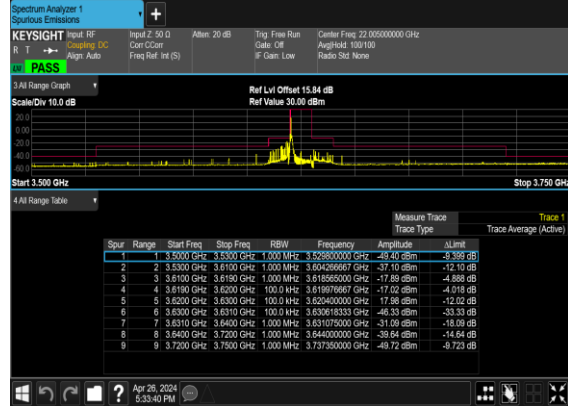
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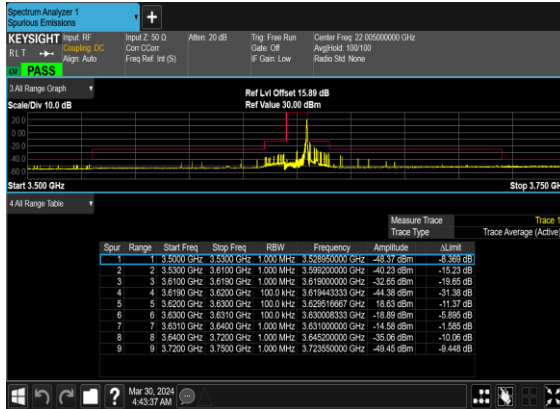
N48(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



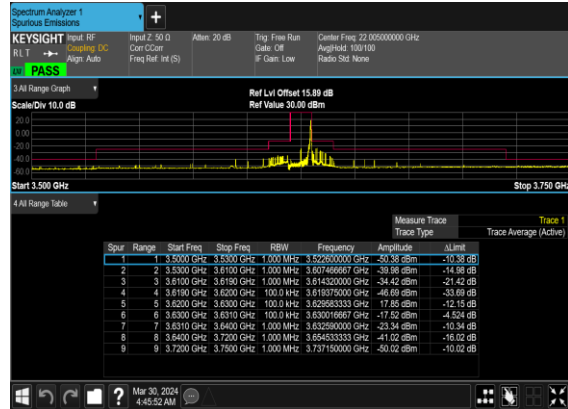
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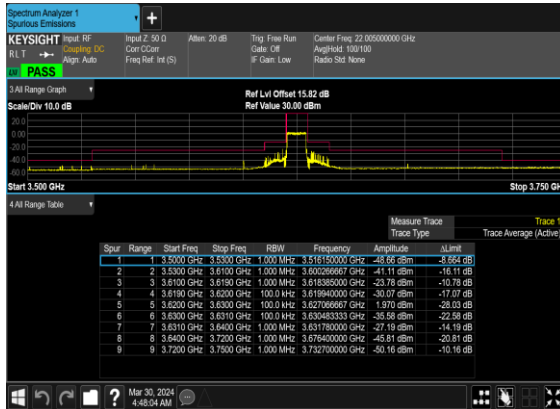
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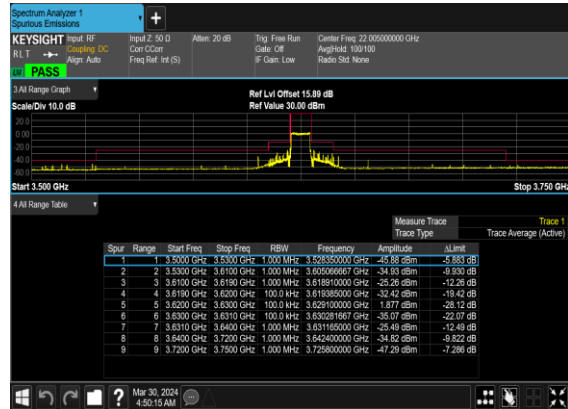
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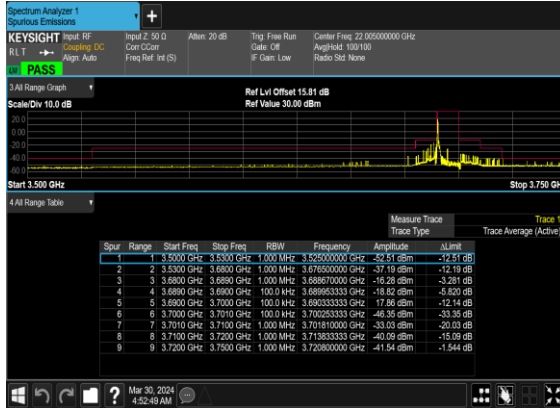
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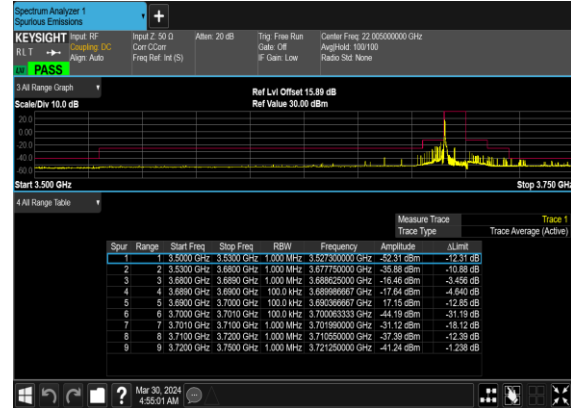
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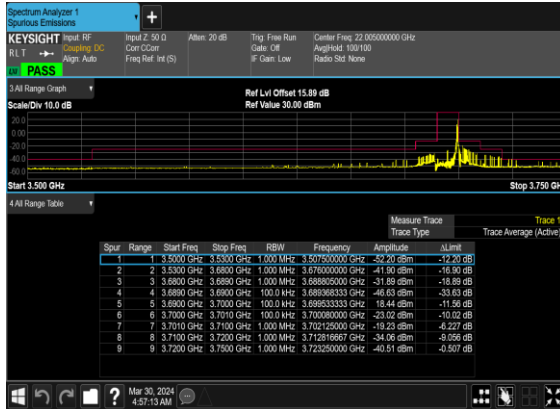
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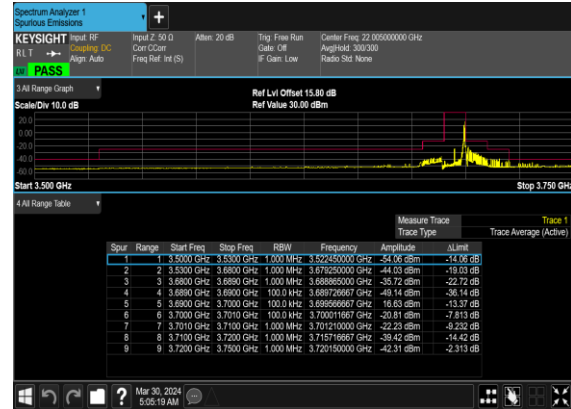
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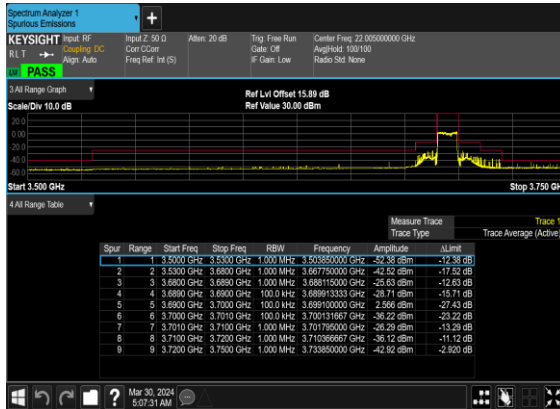
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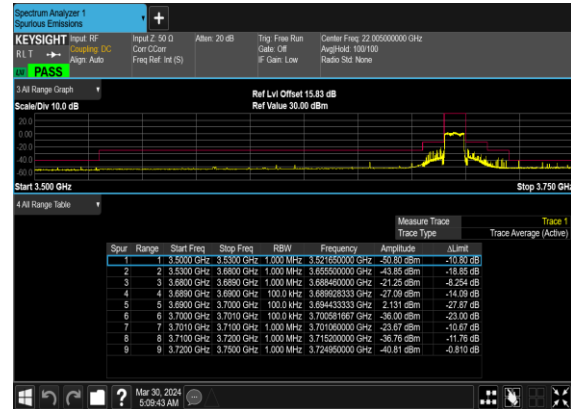
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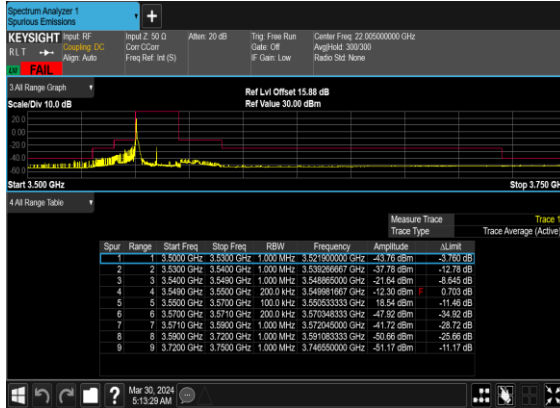
N48(10M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH



N48(10M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH



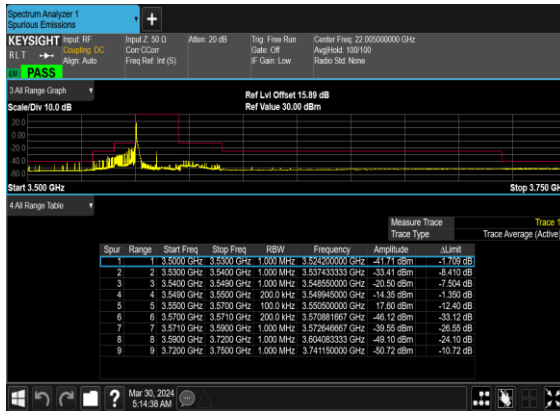
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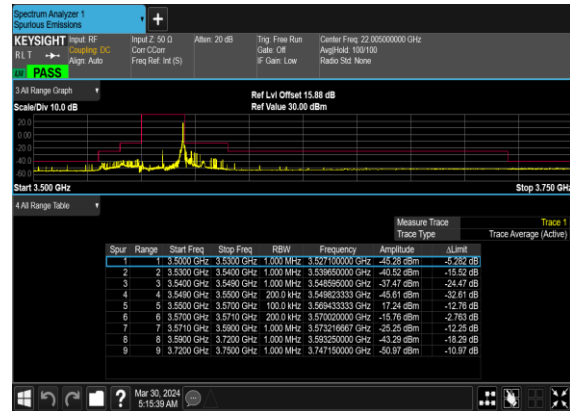
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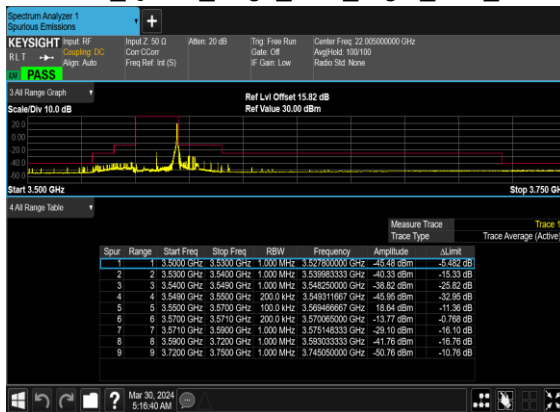
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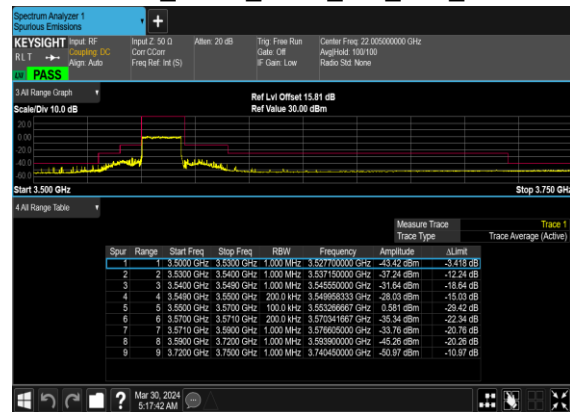
N48(20M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_Low_CH



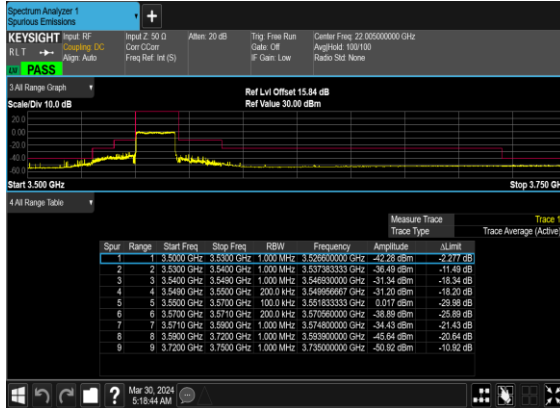
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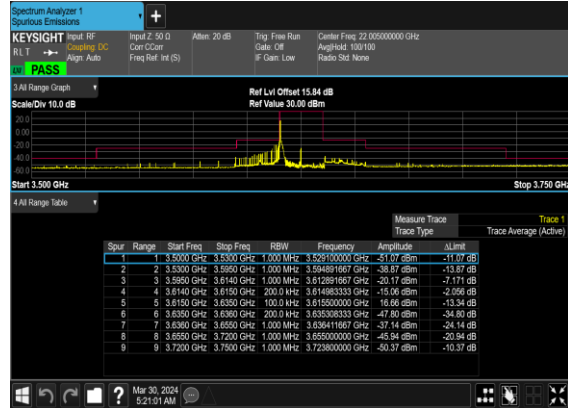
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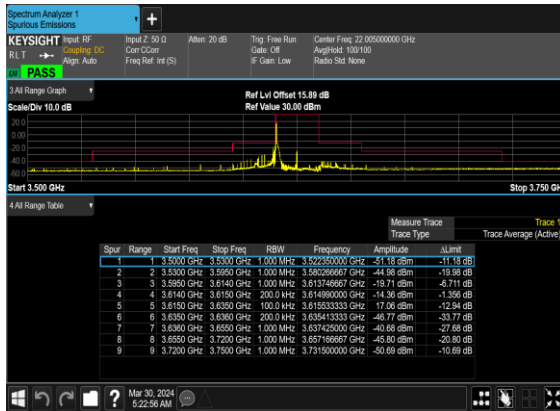
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OFDM_QPSK_Outer_Full_Low_CH



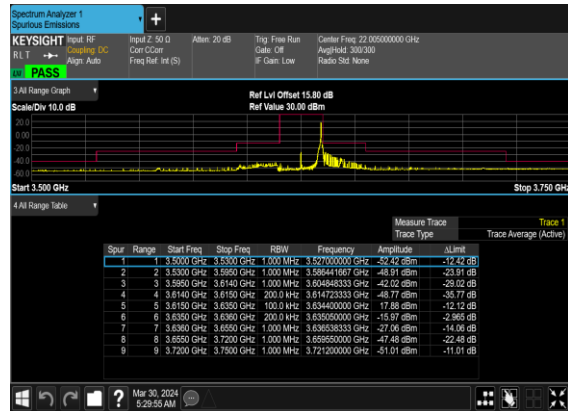
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OFDM_BPSK_Edge_1RB_Left_Mid_CH



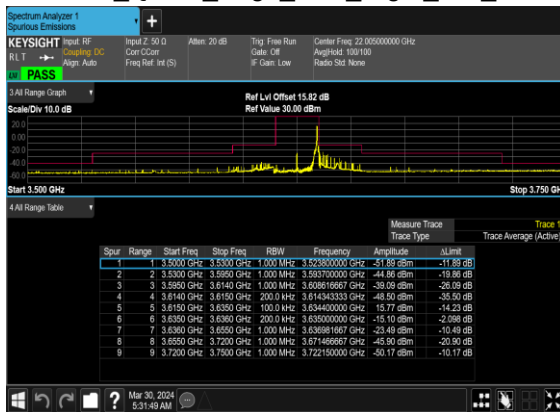
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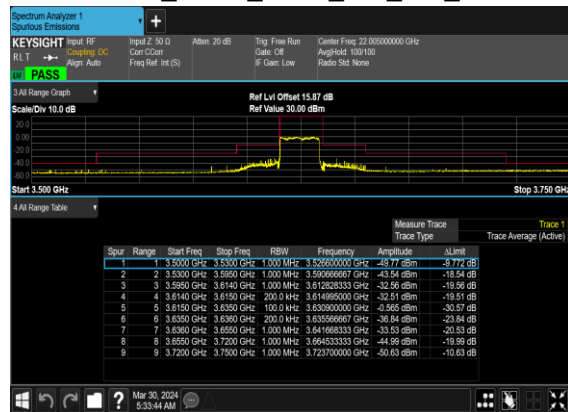
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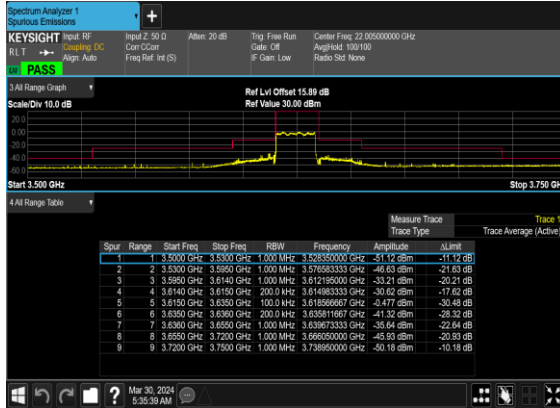
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OFDM_QPSK_Edge_1RB_Right_Mid_CH



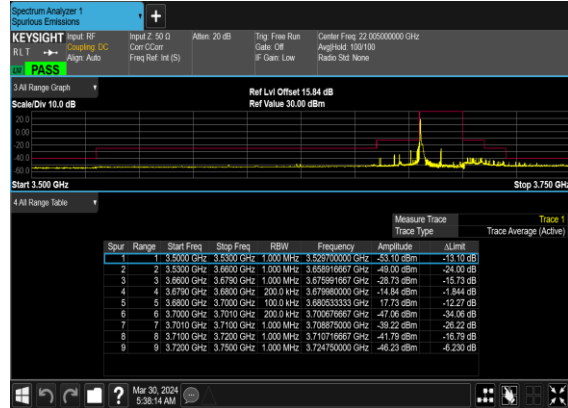
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OFDM_BPSK_Outer_Full_Mid_CH



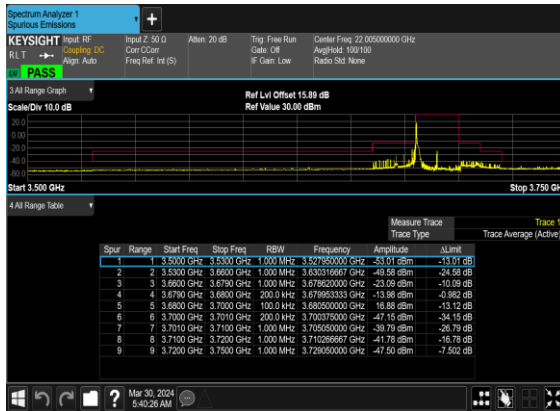
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OFDM_QPSK_Outer_Full_Mid_CH



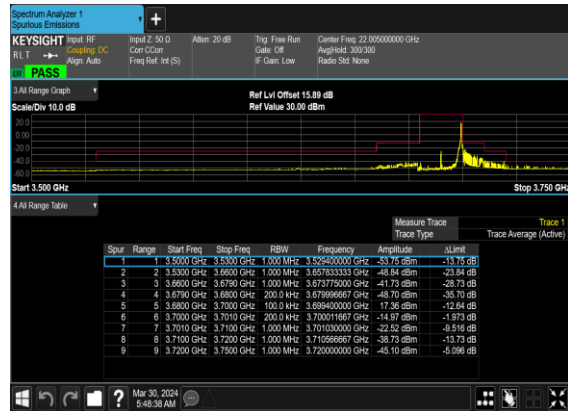
N48(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



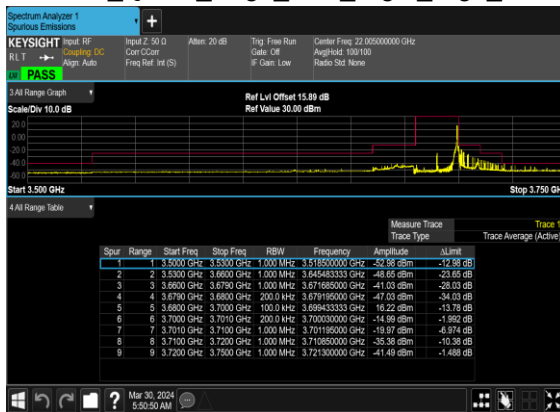
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OFDM_QPSK_Edge_1RB_Left_High_CH



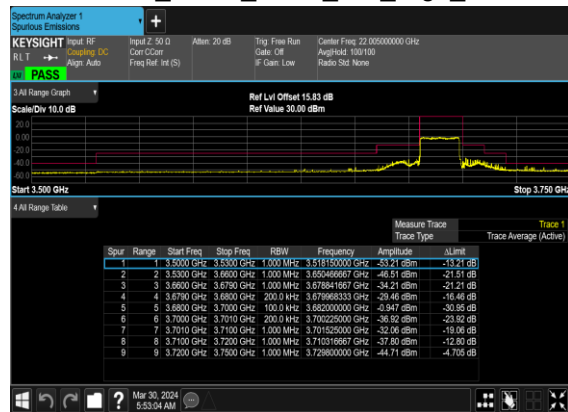
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OFDM_BPSK_Edge_1RB_Right_High_CH



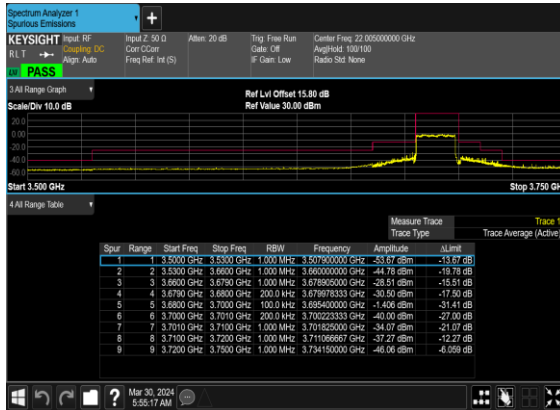
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OFDM_QPSK_Edge_1RB_Right_High_CH



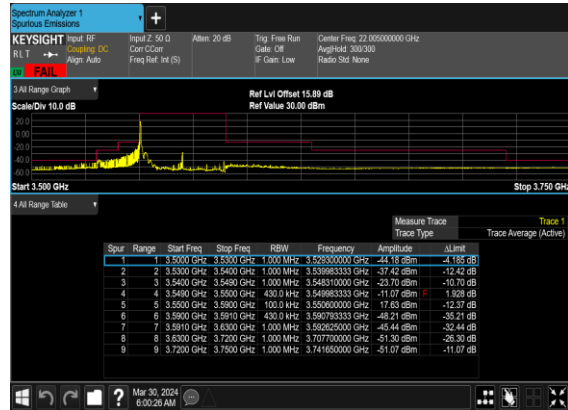
N48(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N48(20M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH



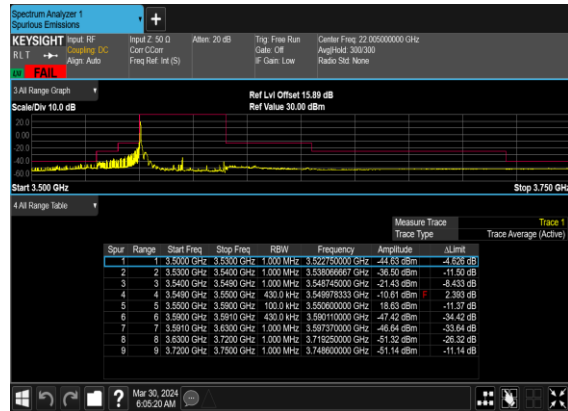
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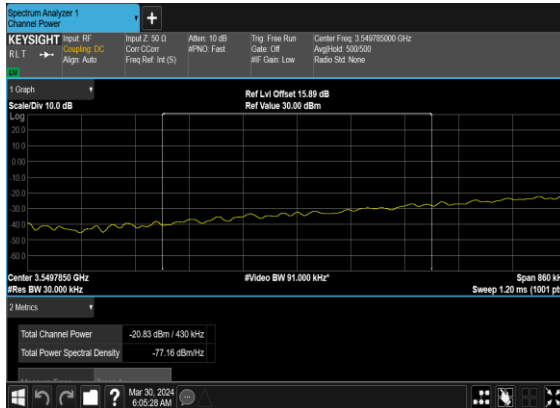
N48(40M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH_chp PASS



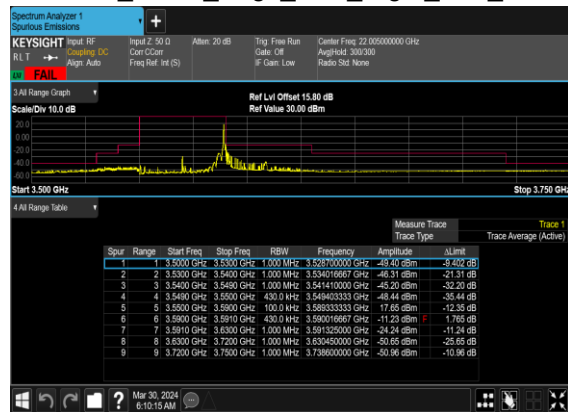
N48(40M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



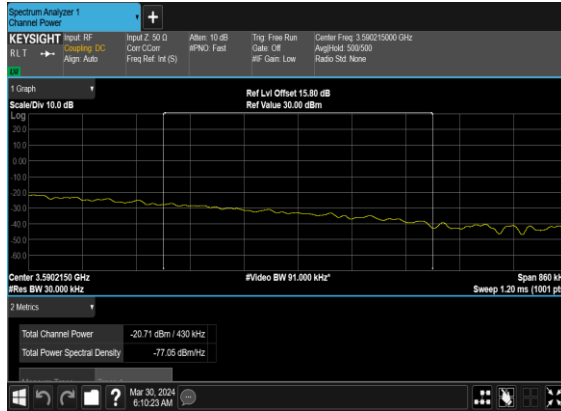
N48(40M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH_chp PASS



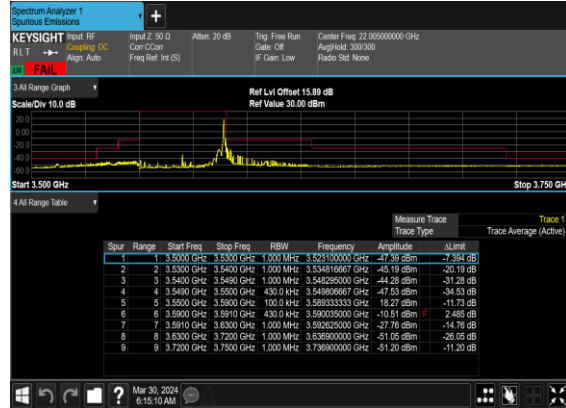
N48(40M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_Low_CH



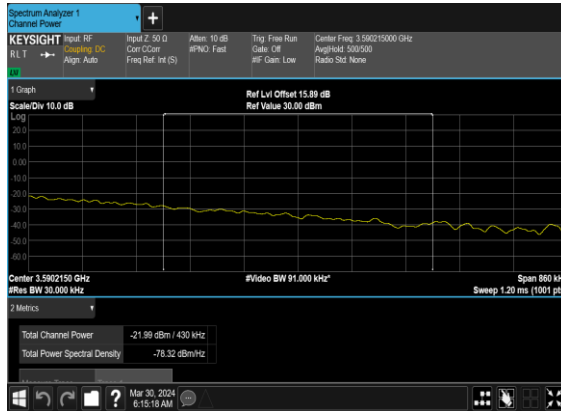
N48(40M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_Low_CH_chp _PASS



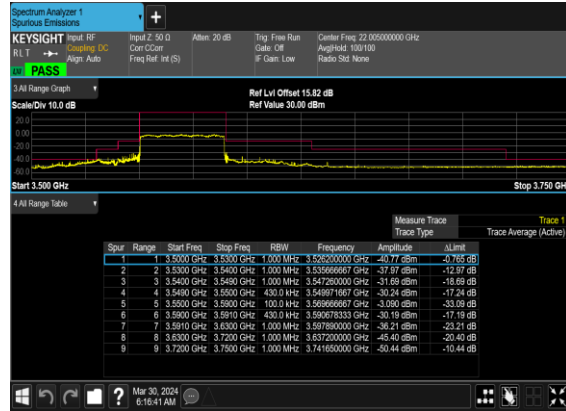
N48(40M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_Low_CH



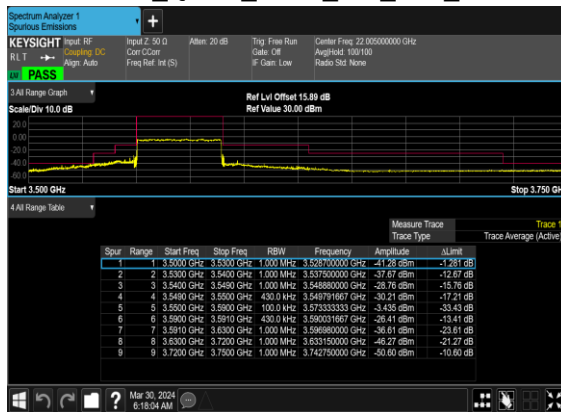
N48(40M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_Low_CH_chp _PASS



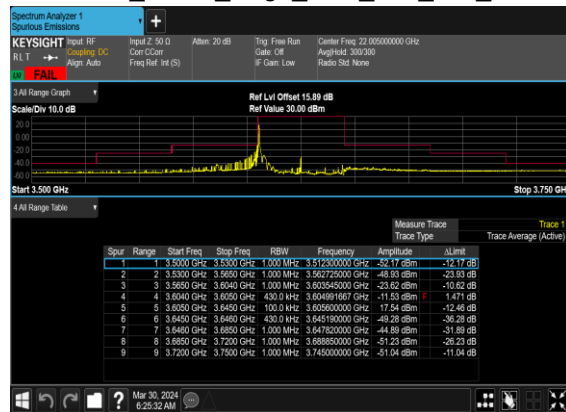
N48(40M)_DFT-s- OFDM_BPSK_Outer_Full_Low_CH



N48(40M)_DFT-s- OFDM_QPSK_Outer_Full_Low_CH



N48(40M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Mid_CH



Spectrum Analyzer 1
Channel Power

KEYSIGHT Input RF
 RLT → **Channel** **BC**
 Align: Auto

Input Z: 50 Ω
 Corr: COrr
 Freq Ref: 1 Hz (S)

Att'n: 10 dB
 #NO: Fast

Trig: Free Run
 Gate: Off
 #1: Gain Low

Center Freq: 3.604785000 GHz
 ArgHz4d: 500.500
 Ratio Std: None

1 Graph
 Scale/Div 10.0 dB
 Log
 Ref Lvl Offset: 15.00 dB
 Ref Value 30.00 dBm

Center 3.6047850 GHz
 #Res BW 30.00 kHz
 #Video BW 91.000 kHz
 Span 860 kHz
 Sweep 1.20 ms (1001 pts)

2 Metrics

Total Channel Power	-21.18 dBm / 430 kHz
Total Power Spectral Density	-77.52 dBm/Hz

The screenshot shows a Keysight Spectrum Analyzer interface. At the top, the 'KEYSIGHT' logo is visible. The main display area shows a frequency plot with a red trace. The plot has a vertical scale from -20 to 20 dBm and a horizontal scale from 3.4 to 3.6 GHz. A red trace is visible, showing a signal at approximately 3.5 GHz. The plot is labeled 'Ret Lvl Offset 15.85 dB' and 'Ref Value 30.00 dBm'. Below the plot, there is a table of signal parameters. The table has columns for Spur, Range, Start Freq, Stop Freq, RBW, Frequency, Amplitude, and ALM. The table lists 9 spurs, with the first spur at 3.5000 GHz and an amplitude of -51.02 dBm. The table also includes a 'Trace Average' button. The bottom of the screen shows a Windows taskbar with the date 'Mar 30, 2024' and time '6:32:49 AM'.

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ALM
1	1	3.5000 GHz	3.5300 GHz	1.000 MHz	3.528110000 GHz	-51.02 dBm	-11.02 dB
2	2	3.5300 GHz	3.5650 GHz	1.000 MHz	3.555025000 GHz	-50.14 dBm	-25.14 dB
3	3	3.5650 GHz	3.6040 GHz	1.000 MHz	3.603845000 GHz	-23.81 dBm	-10.81 dB
4	4	3.6040 GHz	3.6050 GHz	430.0 Hz	3.604833333 GHz	-11.34 dBm	1.658 dB
5	5	3.6050 GHz	3.6450 GHz	100.0 kHz	3.605000000 GHz	-16.83 dBm	-13.53 dB
6	6	3.6450 GHz	3.6460 GHz	430.0 Hz	3.645130000 GHz	-49.36 dBm	-36.36 dB
7	7	3.6460 GHz	3.6850 GHz	1.000 MHz	3.648170000 GHz	-16.47 dBm	-32.81 dB
8	8	3.6850 GHz	3.7200 GHz	1.000 MHz	3.688083333 GHz	-50.80 dBm	-25.80 dB
9	9	3.7200 GHz	3.7500 GHz	1.000 MHz	3.749150000 GHz	-51.00 dBm	-11.00 dB

Spectrum Analyzer 1 Channel Power

KEYSIGHT Input RF: Input Z: 50.0 Ohm, Input Att: 10.0 dB, Trig: Free Run, Center Freq: 3.604785000 GHz, ArgHold: 500.500, Radio Std: None

R.L.T. → Auto Align: Auto, #PNO: Fast, Gate: Off, #F: Gain: Low, Ref Lvl Offset: 19.05 dBm, Ref Value: 30.06 dBm

1 Graph

Scale/Div: 10.0 dB

Log

10.0
0.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0

Center 3.6047850 GHz
#Res BW 30.00 kHz

#Video BW 91.00 kHz

Span 800 kHz
Sweep 1.20 ms (1001 pts)

2 Metrics

Total Channel Power	-21.87 dBm / 430 kHz
Total Power Spectral Density	-76.20 dBm/Hz

May 30, 2004 6:32:57 AM

Spectrum Analyzer 1
 Spurious Emissions
 KEYSIGHT Input Ref
 R.L.T. → **Calibrating DC**
 Aggr. Auto
 Input 2, 50.0 dBm
 Core C, 20 dB
 Freq Ref: 1st (S)
 Attain: 20 dB
 Trig: Free Run
 Gate: Off
 Off: Gain: Low
 Center Freq: 22,005,000,000 Hz
 Aegrid: 1001Hz
 Span: Std None
 Use **PASS**
 1.60 Range Graph
 Scale Div: 10.0 dB
 Start 3.500 GHz
 Stop 3.750 GHz
 4.00 Range Table
 Measure Trace
 Trace Type
 Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLme
1	1	3.5000 GHz	3.5300 GHz	1.000 MHz	3.520750000 GHz	-50.91 dBm	-10.91 dB
2	2	3.5300 GHz	3.5650 GHz	1.000 MHz	3.560900000 GHz	-48.42 dBm	-23.42 dB
3	3	3.5650 GHz	3.6040 GHz	1.000 MHz	3.601780000 GHz	-43.71 dBm	-30.71 dB
4	4	3.6040 GHz	3.6500 GHz	430.0 kHz	3.645819687 GHz	-47.12 dBm	-34.12 dB
5	5	3.6500 GHz	3.6450 GHz	1.000 MHz	3.644333333 GHz	-18.26 dBm	-11.74 dB
6	6	3.6450 GHz	3.6480 GHz	430.0 kHz	3.645020000 GHz	-13.45 dBm	-6.65 dB
7	7	3.6480 GHz	3.6850 GHz	1.000 MHz	3.649280000 GHz	-32.46 dBm	-19.46 dB
8	8	3.6850 GHz	3.7200 GHz	1.000 MHz	3.687825000 GHz	-46.79 dBm	-21.79 dB
9	9	3.7200 GHz	3.7500 GHz	1.000 MHz	3.722350000 GHz	-50.63 dBm	-10.63 dB

Mar 30, 2024
 6:34:56 AM

Spectrum Analyzer 1
 Spurious Emissions
KEYSIGHT Input RF: **Channeling DC**
 R.I.T. **↔** **Align: Auto**
FAIL
 Input 2: 50.0 dBm
 Corr CC: RF Ref: 1st (S)
 Attain: 20 dB
 Trig Freq: Run
 Gate: Off
 IF Gain: Low
 Center Freq: 22.00000000 GHz
 ArgHd: 300.300
 Radio St: None

3.4k Range Graph
 Scale/Div 10.0 dB
 Ref Lvl Offset 15.09 dB
 Ref Value 30.00 dBm

Start 3.500 GHz
 Stop 3.750 GHz
 4k Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLvl
1	1	3.5000 GHz	3.5300 GHz	1.000 MHz	3.502150000 GHz	-52.82 dBm	-12.82 dB
2	1	3.5300 GHz	3.5650 GHz	1.000 MHz	3.560858333 GHz	-51.90 dBm	-26.90 dB
3	3	3.5650 GHz	3.6040 GHz	1.000 MHz	3.602960000 GHz	-45.87 dBm	-32.87 dB
4	4	3.6040 GHz	3.6550 GHz	430.0 MHz	3.645619667 GHz	-49.32 dBm	-36.32 dB
5	5	3.6550 GHz	3.6450 GHz	1.000 MHz	3.644333333 GHz	-14.79 dBm	-55.27 dB
6	6	3.6450 GHz	3.6460 GHz	430.0 MHz	3.645000000 GHz	-12.23 dBm	-0.672 dB
7	7	3.6460 GHz	3.6850 GHz	1.000 MHz	3.646680000 GHz	-24.00 dBm	-11.80 dB
8	8	3.6850 GHz	3.7200 GHz	1.000 MHz	3.685119667 GHz	-44.16 dBm	-31.66 dB
9	9	3.7200 GHz	3.7500 GHz	1.000 MHz	3.722100000 GHz	-50.92 dBm	-10.92 dB

Measure Trace
 Trace Type
 Trace Average (Active)

Mar 30, 2024
 6:52:00 AM

Spectrum Analyzer 1
Channel Power

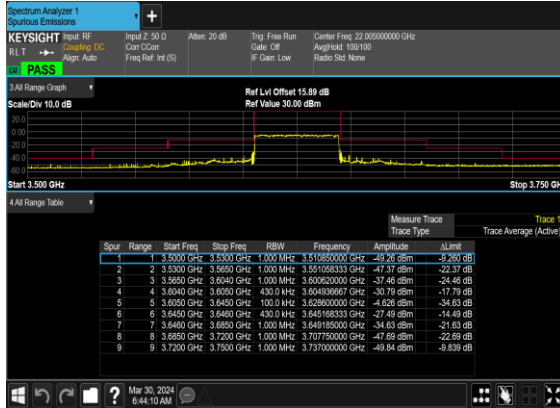
KEYSIGHT Input: RF Coupling: DC Algs: Auto Input Z: 50 Ω Con: C-Cat Att: 10 dB IFBW: Fast Trig: Free Run Gate: Off Center Freq: 3.645215000 GHz Avg/Hd: 500/500 Reso: Std Noise

1 Graph
Scale/Div: 10.0 dB
Log
Ref Lvl Offset: 15.00 dB
Ref Value: 30.00 dBm
#Video BW: 91.000 kHz
Span: 800 kHz
Sweep: 1.20 ms (1001 pts)

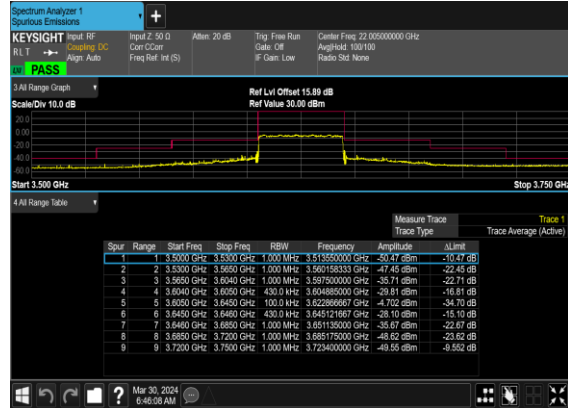
Center: 3.6452150 GHz
#Res: BW: 30.000 kHz

2 Metrics
Total Channel Power: -23.20 dBm / 430 kHz
Total Power Spectral Density: -79.53 dBm/kHz

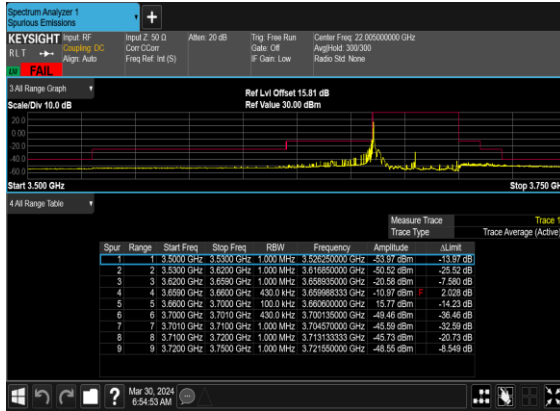
N48(40M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



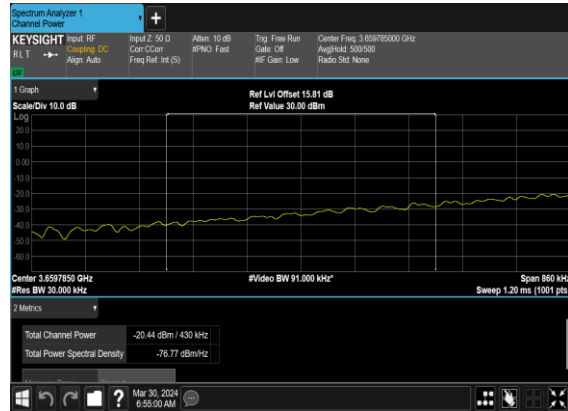
N48(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



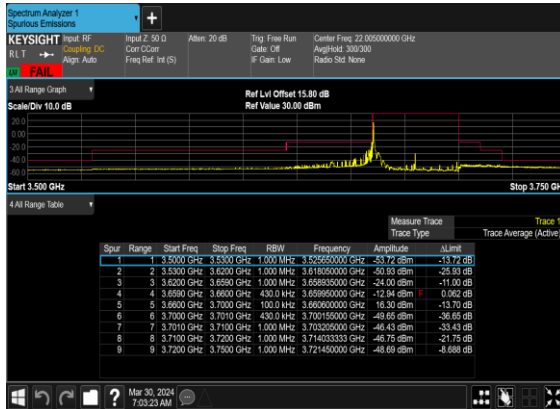
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



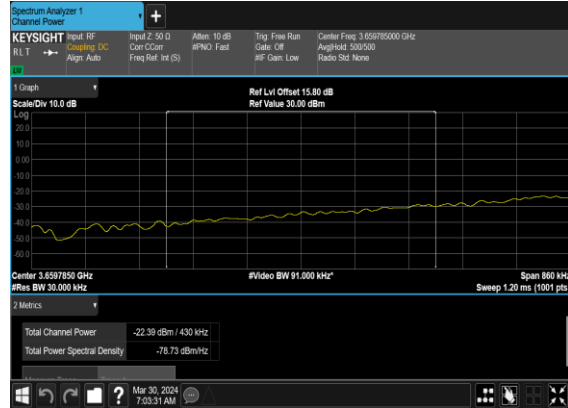
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH_chp PASS



N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



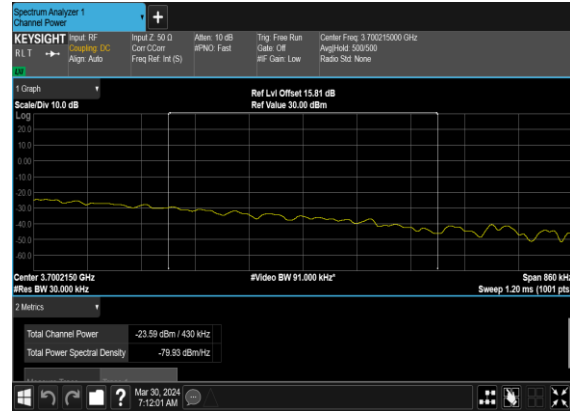
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH_chp PASS



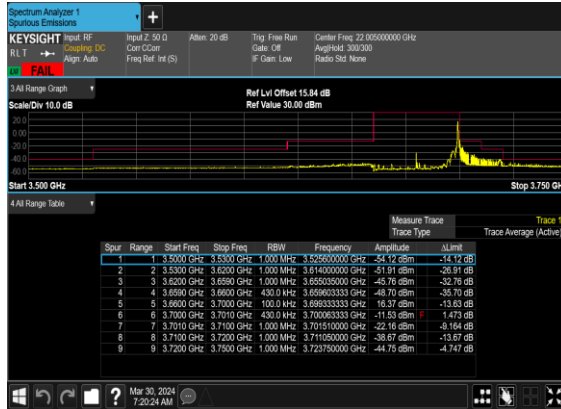
N48(40M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH



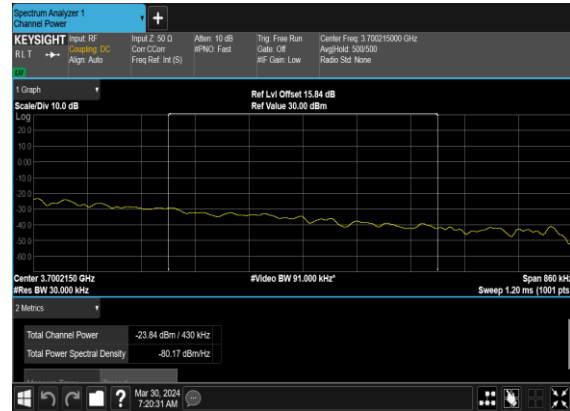
N48(40M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH_ch _PASS



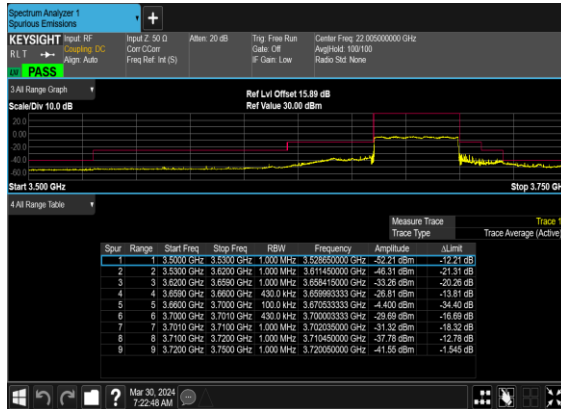
N48(40M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH



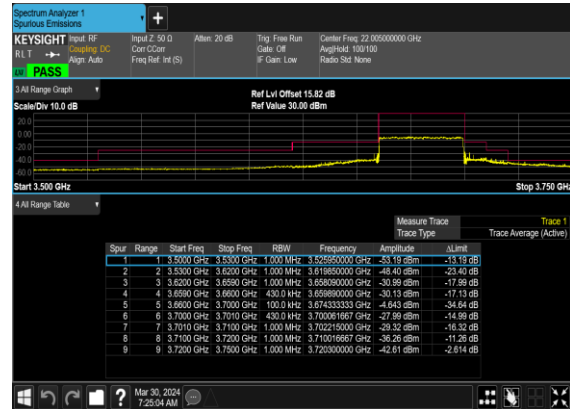
N48(40M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH_ch P_PASS



N48(40M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH



N48(40M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH



FR1 N48-SCS15K

LTE Band: 2, LTE BW: 10M, LTE ARFCN: Mid

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=1dB

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
48	15	5	636834	3552.51	DFT-s-OFDM QPSK	1@1	20.52	20.52	0.1127
48	15	5	636834	3552.51	DFT-s-OFDM 16 QAM	1@1	19.76	19.76	0.0946
48	15	5	641667	3625.005	DFT-s-OFDM QPSK	1@1	20.71	20.71	0.1178
48	15	5	641667	3625.005	DFT-s-OFDM 16 QAM	1@1	19.52	19.52	0.0895
48	15	5	646500	3697.5	DFT-s-OFDM QPSK	1@1	20.91	20.91	0.1233
48	15	5	646500	3697.5	DFT-s-OFDM 16 QAM	1@1	19.72	19.72	0.0938
48	15	10	637000	3555	DFT-s-OFDM QPSK	1@1	20.62	20.62	0.1153
48	15	10	637000	3555	DFT-s-OFDM 16 QAM	1@1	19.66	19.66	0.0925
48	15	10	641666	3624.99	DFT-s-OFDM QPSK	1@1	20.76	20.76	0.1191
48	15	10	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	19.63	19.63	0.0918
48	15	10	646332	3694.98	DFT-s-OFDM QPSK	1@1	20.94	20.94	0.1242
48	15	10	646332	3694.98	DFT-s-OFDM 16 QAM	1@1	19.82	19.82	0.0959
48	15	15	637168	3557.52	DFT-s-OFDM QPSK	1@1	20.76	20.76	0.1191
48	15	15	637168	3557.52	DFT-s-OFDM 16 QAM	1@1	19.79	19.79	0.0953
48	15	15	641666	3624.99	DFT-s-OFDM QPSK	1@1	20.98	20.98	0.1253
48	15	15	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	19.95	19.95	0.0989
48	15	15	646166	3692.49	DFT-s-OFDM QPSK	1@1	21	21	0.1259
48	15	15	646166	3692.49	DFT-s-OFDM 16 QAM	1@1	20.03	20.03	0.1007
48	15	20	637334	3560.01	DFT-s-OFDM QPSK	1@1	20.74	20.74	0.1186
48	15	20	637334	3560.01	DFT-s-OFDM 16 QAM	1@1	19.61	19.61	0.0914
48	15	20	641666	3624.99	DFT-s-OFDM QPSK	1@1	20.88	20.88	0.1225
48	15	20	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	19.73	19.73	0.0940
48	15	20	646000	3690	DFT-s-OFDM QPSK	1@1	21.02	21.02	0.1265
48	15	20	646000	3690	DFT-s-OFDM 16 QAM	1@1	19.87	19.87	0.0971
48	15	30	637667	3565.005	DFT-s-OFDM QPSK	1@1	20.62	20.62	0.1153
48	15	30	637667	3565.005	DFT-s-OFDM 16 QAM	1@1	19.63	19.63	0.0918
48	15	30	641666	3624.99	DFT-s-OFDM QPSK	1@1	20.73	20.73	0.1183
48	15	30	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	19.76	19.76	0.0946
48	15	30	645666	3684.99	DFT-s-OFDM	1@1	20.73	20.73	0.1183

QPSK									
48	15	30	645666	3684.99	DFT-s-OFDM 16 QAM	1@1	19.75	19.75	0.0944
48	15	40	638000	3570	DFT-s-OFDM PI/2 BPSK	108@54	20.69	20.69	0.1172
48	15	40	638000	3570	DFT-s-OFDM PI/2 BPSK	1@1	20.61	20.61	0.1151
48	15	40	638000	3570	DFT-s-OFDM PI/2 BPSK	1@214	20.61	20.61	0.1151
48	15	40	638000	3570	DFT-s-OFDM QPSK	108@54	20.73	20.73	0.1183
48	15	40	638000	3570	DFT-s-OFDM QPSK	1@1	20.75	20.75	0.1189
48	15	40	638000	3570	DFT-s-OFDM QPSK	1@214	20.73	20.73	0.1183
48	15	40	638000	3570	DFT-s-OFDM 16 QAM	108@54	19.74	19.74	0.0942
48	15	40	638000	3570	DFT-s-OFDM 16 QAM	1@1	19.69	19.69	0.0931
48	15	40	638000	3570	DFT-s-OFDM 16 QAM	1@214	19.66	19.66	0.0925
48	15	40	638000	3570	DFT-s-OFDM 64 QAM	108@54	18.18	18.18	0.0658
48	15	40	638000	3570	DFT-s-OFDM 64 QAM	1@1	18.24	18.24	0.0667
48	15	40	638000	3570	DFT-s-OFDM 64 QAM	1@214	18.21	18.21	0.0662
48	15	40	638000	3570	DFT-s-OFDM 256 QAM	108@54	16.14	16.14	0.0411
48	15	40	638000	3570	DFT-s-OFDM 256 QAM	1@1	16.13	16.13	0.0410
48	15	40	638000	3570	DFT-s-OFDM 256 QAM	1@214	16.11	16.11	0.0408
48	15	40	638000	3570	CP-OFDM QPSK	108@54	19.21	19.21	0.0834
48	15	40	638000	3570	CP-OFDM QPSK	1@1	18.96	18.96	0.0787
48	15	40	638000	3570	CP-OFDM QPSK	1@214	18.94	18.94	0.0783
48	15	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	108@54	20.83	20.83	0.1211
48	15	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@1	20.72	20.72	0.1180
48	15	40	641666	3624.99	DFT-s-OFDM PI/2 BPSK	1@214	20.71	20.71	0.1178
48	15	40	641666	3624.99	DFT-s-OFDM QPSK	108@54	20.87	20.87	0.1222
48	15	40	641666	3624.99	DFT-s-OFDM QPSK	1@1	20.84	20.84	0.1213
48	15	40	641666	3624.99	DFT-s-OFDM QPSK	1@214	20.86	20.86	0.1219
48	15	40	641666	3624.99	DFT-s-OFDM 16 QAM	108@54	19.87	19.87	0.0971
48	15	40	641666	3624.99	DFT-s-OFDM 16 QAM	1@1	19.78	19.78	0.0951
48	15	40	641666	3624.99	DFT-s-OFDM 16 QAM	1@214	19.76	19.76	0.0946
48	15	40	641666	3624.99	DFT-s-OFDM 64 QAM	108@54	18.31	18.31	0.0678
48	15	40	641666	3624.99	DFT-s-OFDM 64 QAM	1@1	18.3	18.3	0.0676
48	15	40	641666	3624.99	DFT-s-OFDM 64 QAM	1@214	18.32	18.32	0.0679
48	15	40	641666	3624.99	DFT-s-OFDM 256 QAM	108@54	16.27	16.27	0.0424
48	15	40	641666	3624.99	DFT-s-OFDM 256 QAM	1@1	16.19	16.19	0.0416
48	15	40	641666	3624.99	DFT-s-OFDM 256 QAM	1@214	16.22	16.22	0.0419
48	15	40	641666	3624.99	CP-OFDM QPSK	108@54	19.39	19.39	0.0869

48	15	40	641666	3624.99	CP-OFDM QPSK	1@1	19.04	19.04	0.0802
48	15	40	641666	3624.99	CP-OFDM QPSK	1@214	19.04	19.04	0.0802
48	15	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	108@54	20.95	20.95	0.1245
48	15	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@1	20.83	20.83	0.1211
48	15	40	645332	3679.98	DFT-s-OFDM PI/2 BPSK	1@214	20.72	20.72	0.1180
48	15	40	645332	3679.98	DFT-s-OFDM QPSK	108@54	20.95	20.95	0.1245
48	15	40	645332	3679.98	DFT-s-OFDM QPSK	1@1	21.05	21.05	0.1274
48	15	40	645332	3679.98	DFT-s-OFDM QPSK	1@214	20.89	20.89	0.1227
48	15	40	645332	3679.98	DFT-s-OFDM 16 QAM	108@54	19.97	19.97	0.0993
48	15	40	645332	3679.98	DFT-s-OFDM 16 QAM	1@1	19.93	19.93	0.0984
48	15	40	645332	3679.98	DFT-s-OFDM 16 QAM	1@214	19.86	19.86	0.0968
48	15	40	645332	3679.98	DFT-s-OFDM 64 QAM	108@54	18.42	18.42	0.0695
48	15	40	645332	3679.98	DFT-s-OFDM 64 QAM	1@1	18.47	18.47	0.0703
48	15	40	645332	3679.98	DFT-s-OFDM 64 QAM	1@214	18.34	18.34	0.0682
48	15	40	645332	3679.98	DFT-s-OFDM 256 QAM	108@54	16.39	16.39	0.0436
48	15	40	645332	3679.98	DFT-s-OFDM 256 QAM	1@1	16.31	16.31	0.0428
48	15	40	645332	3679.98	DFT-s-OFDM 256 QAM	1@214	16.23	16.23	0.0420
48	15	40	645332	3679.98	CP-OFDM QPSK	108@54	19.46	19.46	0.0883
48	15	40	645332	3679.98	CP-OFDM QPSK	1@1	19.16	19.16	0.0824
48	15	40	645332	3679.98	CP-OFDM QPSK	1@214	19.05	19.05	0.0804