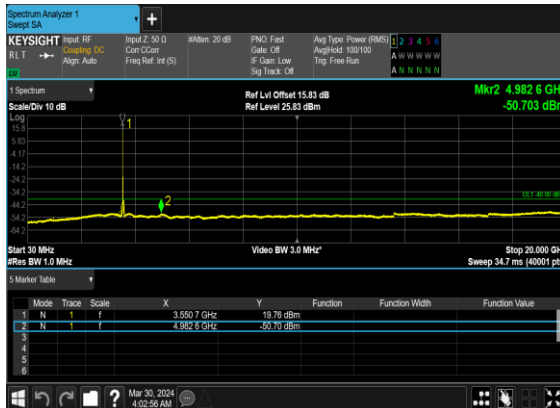
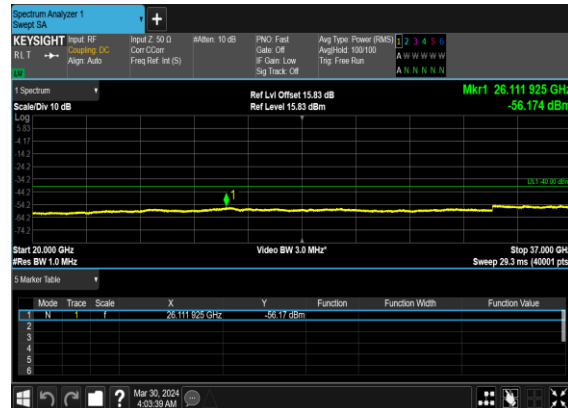


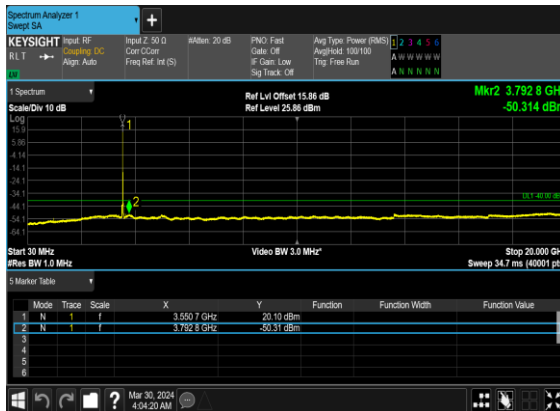
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



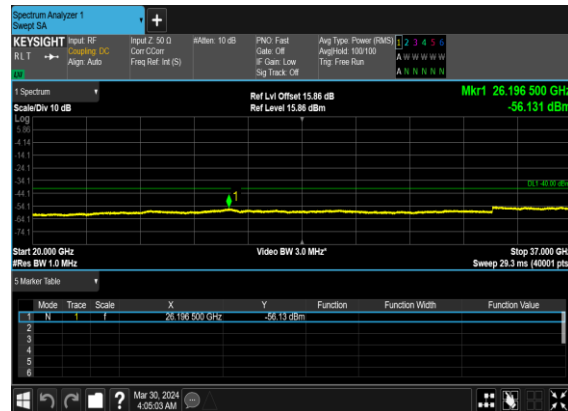
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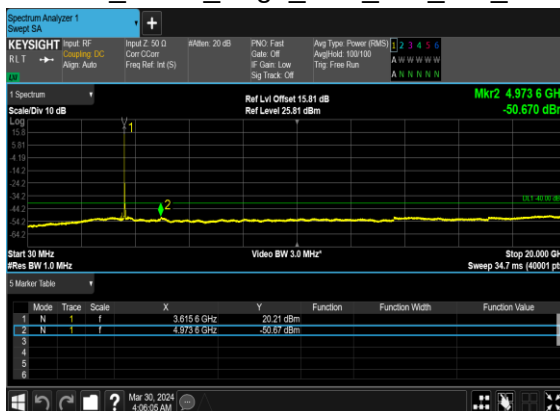
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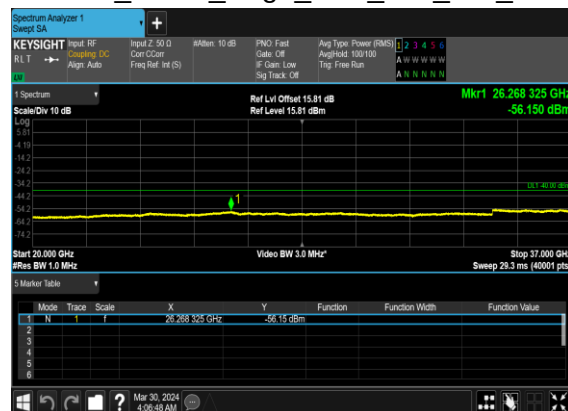
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N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



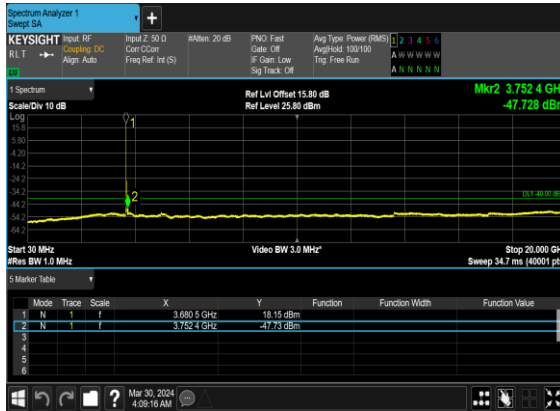
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OFDM_QPSK_Edge_1RB_Left_Mid_CH



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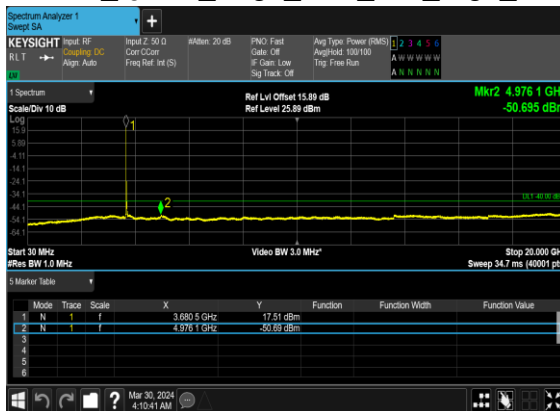
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OFDM_BPSK_Edge_1RB_Left_High_CH



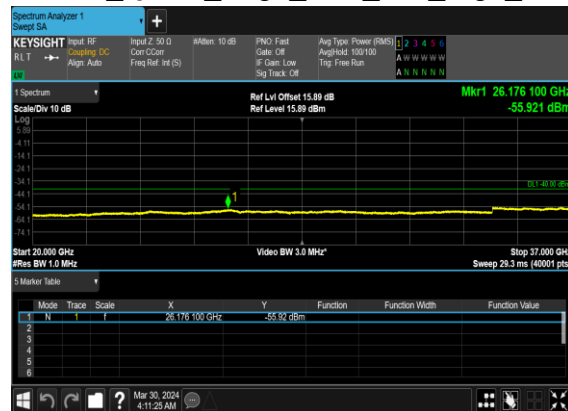
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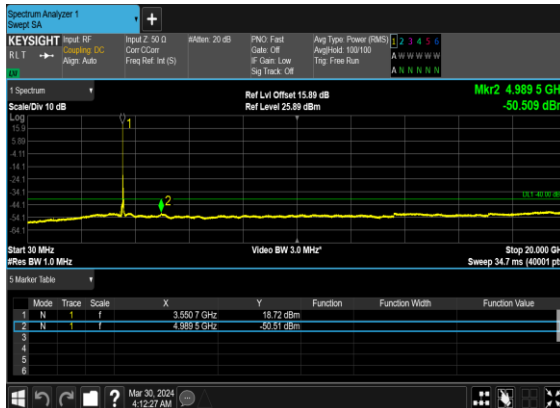
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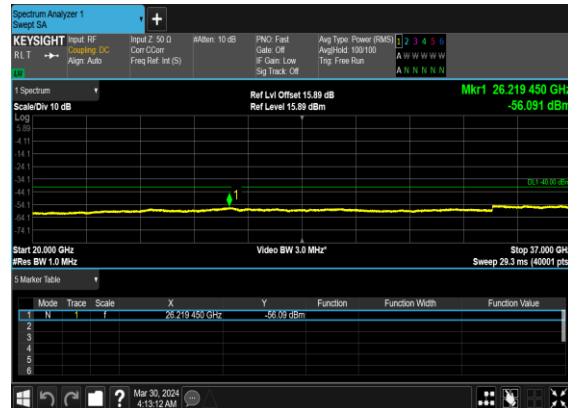
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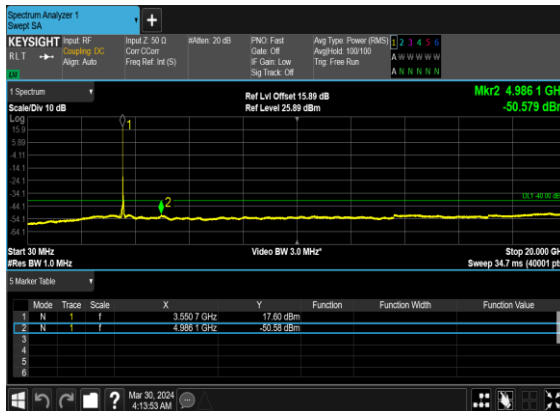
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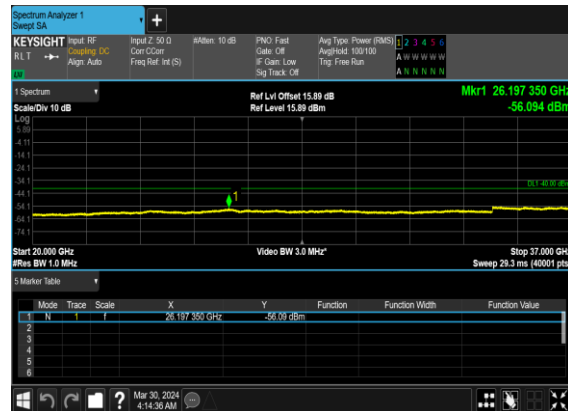
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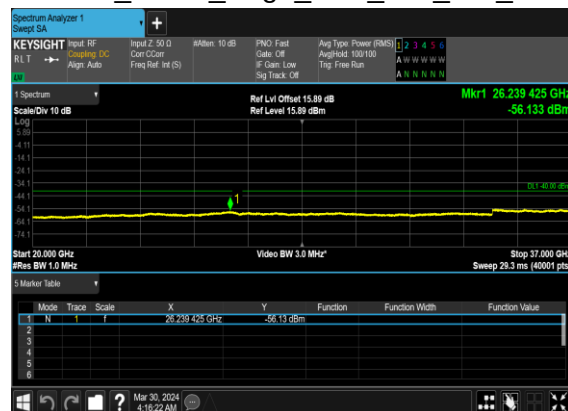
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N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N48(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



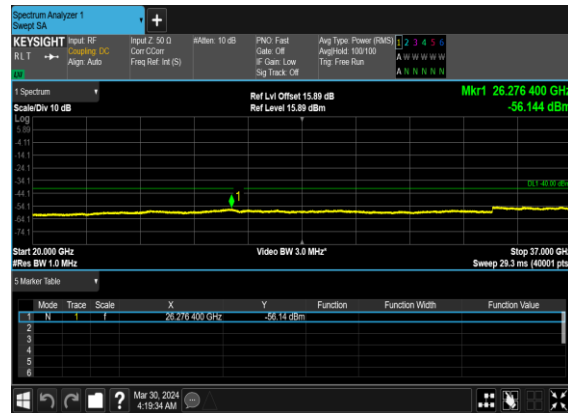
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OFDM_QPSK_Edge_1RB_Left_Mid_CH



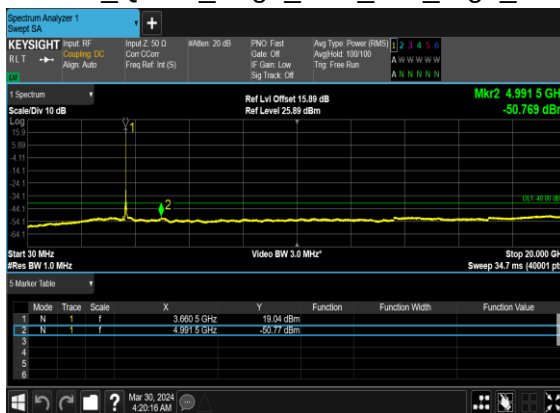
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OFDM_BPSK_Edge_1RB_Left_High_CH



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

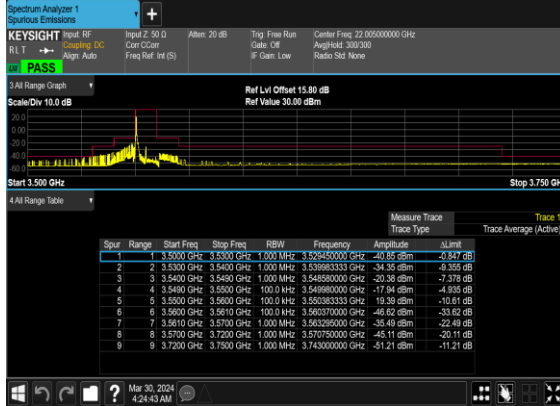


Conducted Band Edge

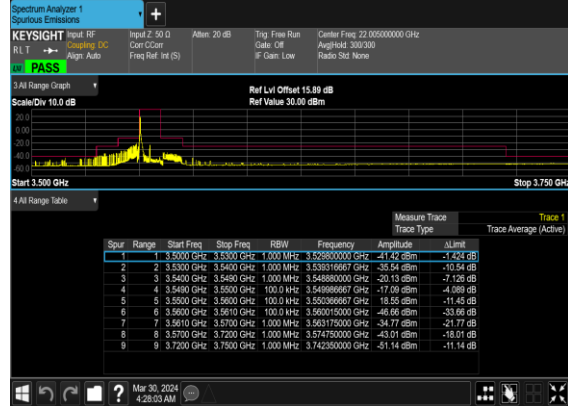
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
48	15	10	637000	3555.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
48	15	10	637000	3555.0	DFT-s-OFDM QPSK	1@51	see 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

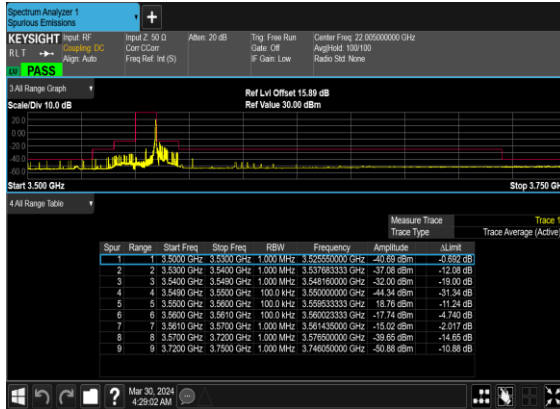
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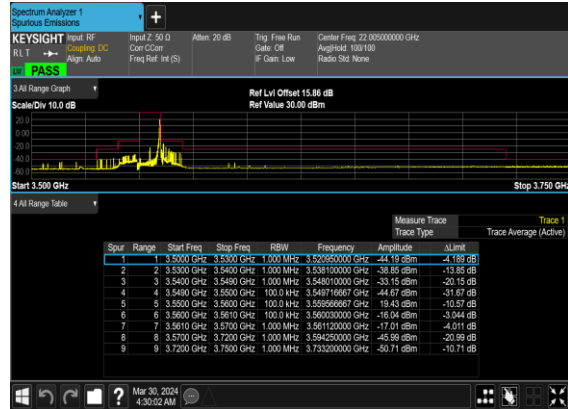
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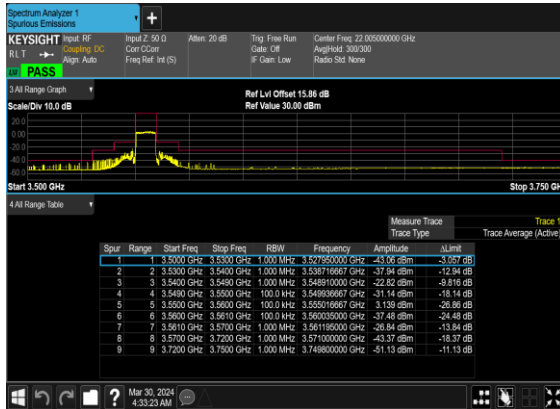
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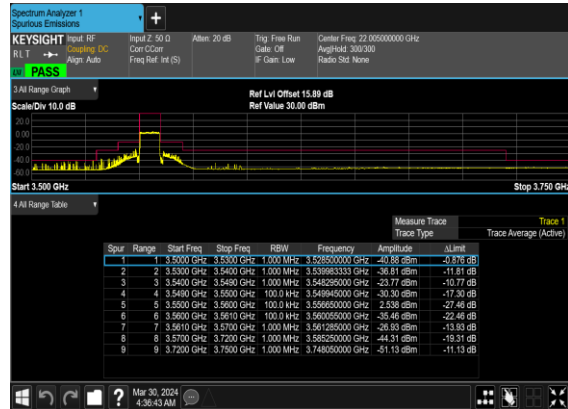
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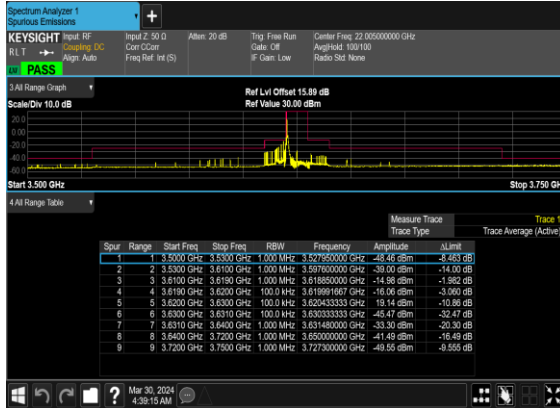
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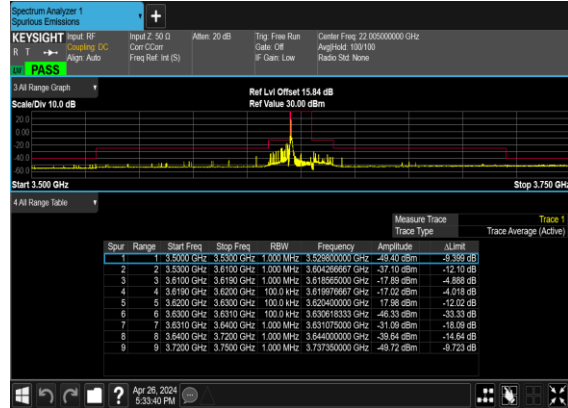
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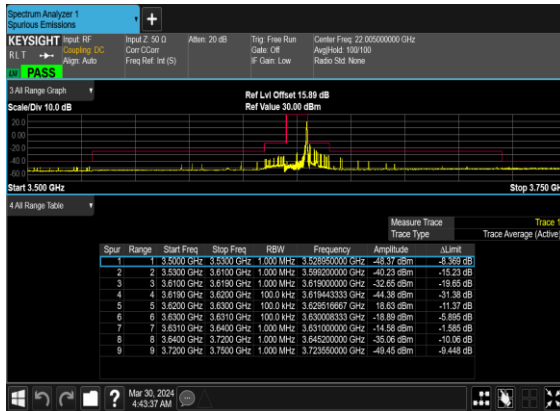
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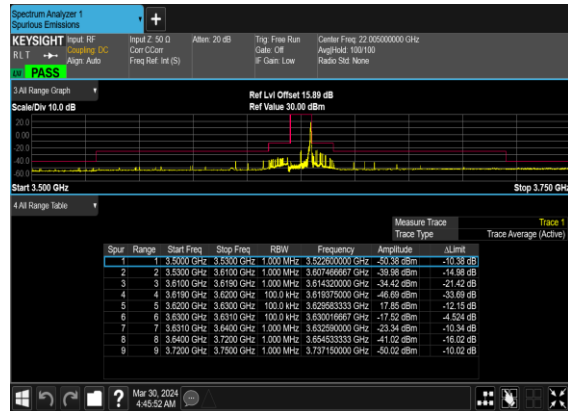
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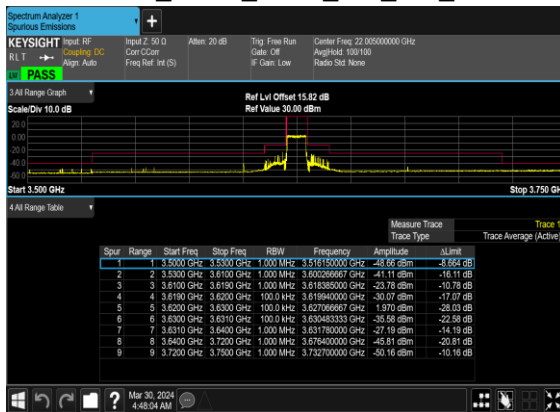
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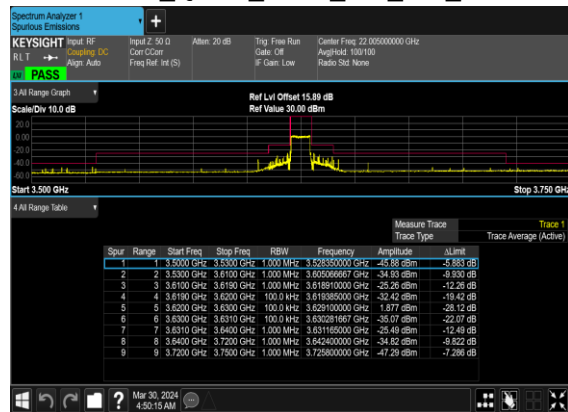
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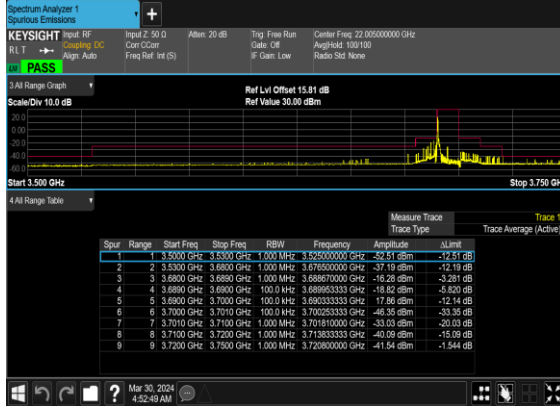
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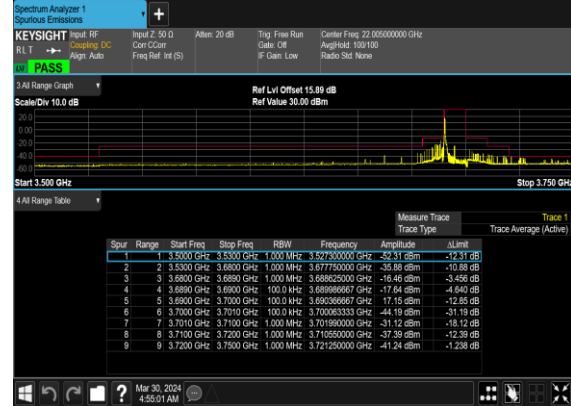
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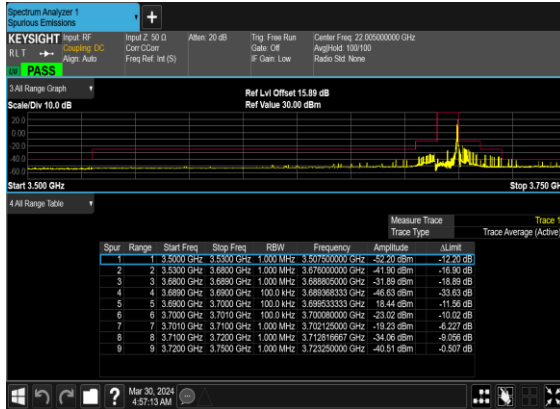
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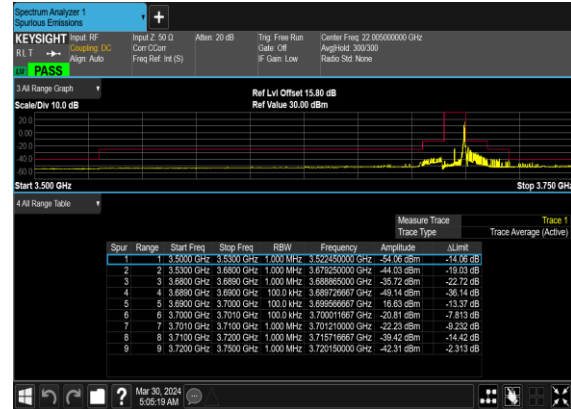
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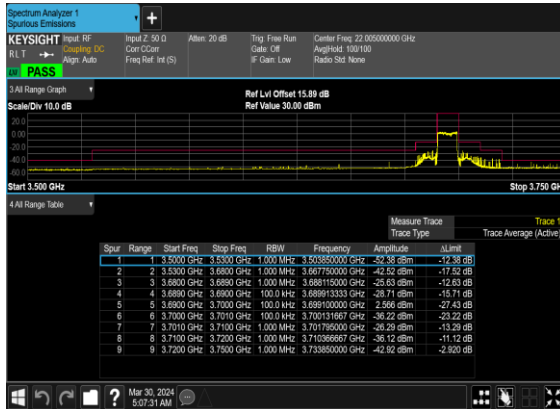
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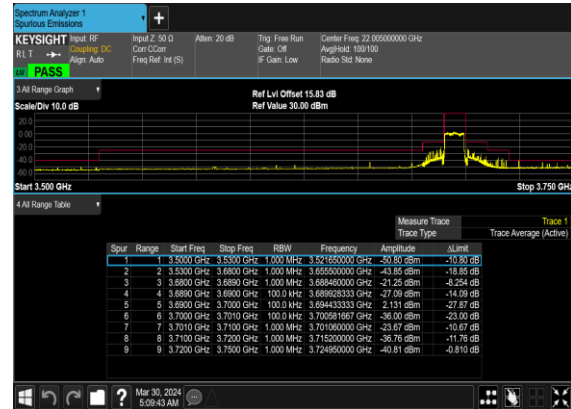
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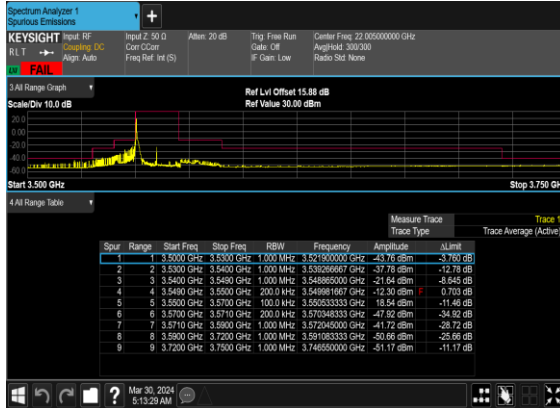
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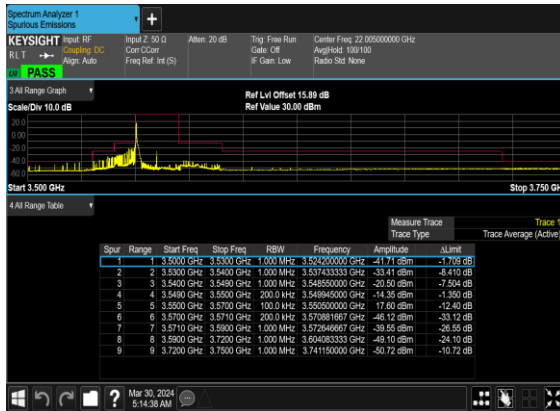
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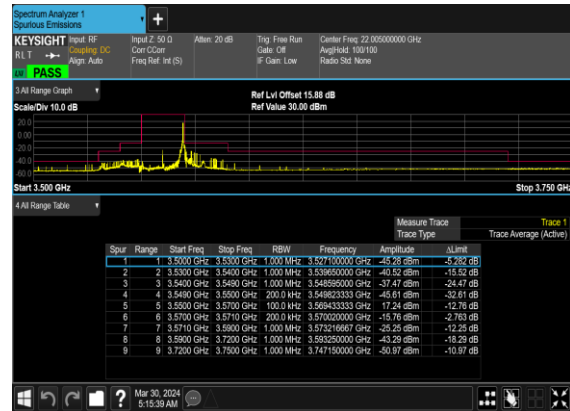
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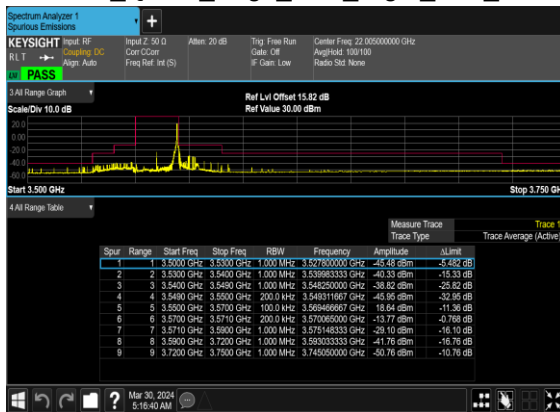
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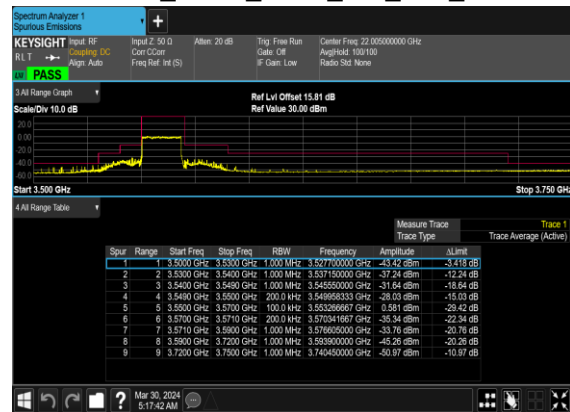
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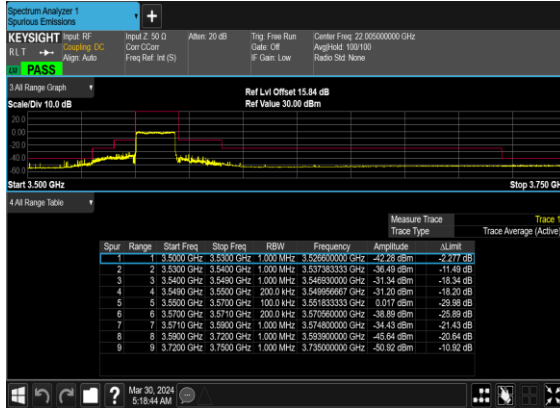
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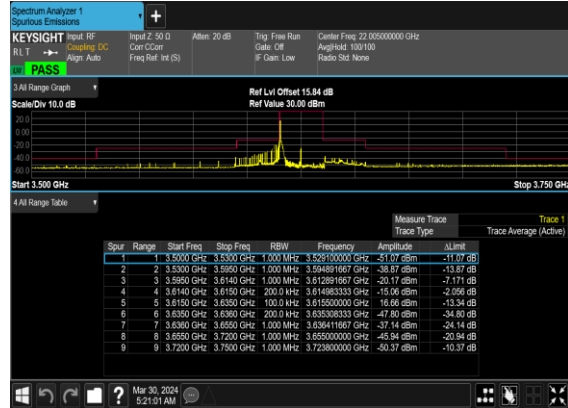
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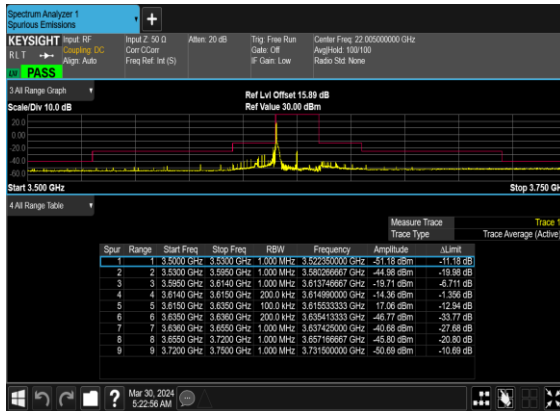
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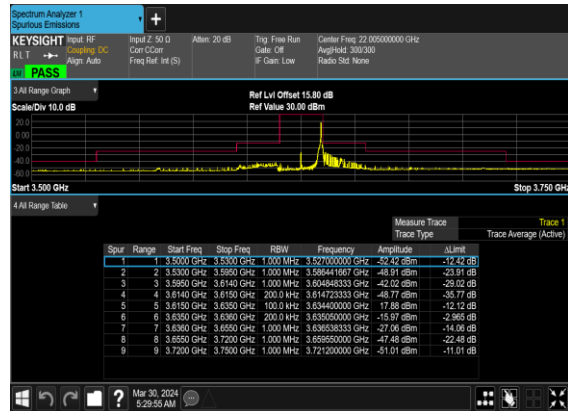
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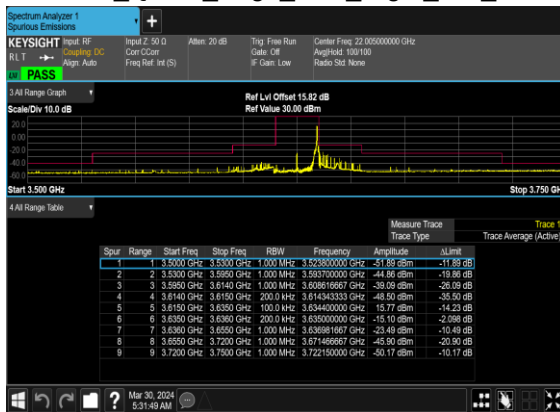
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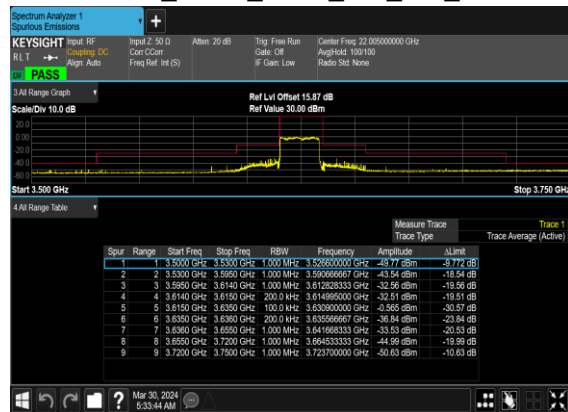
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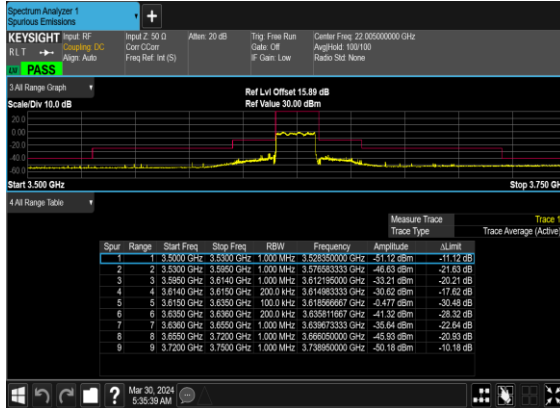
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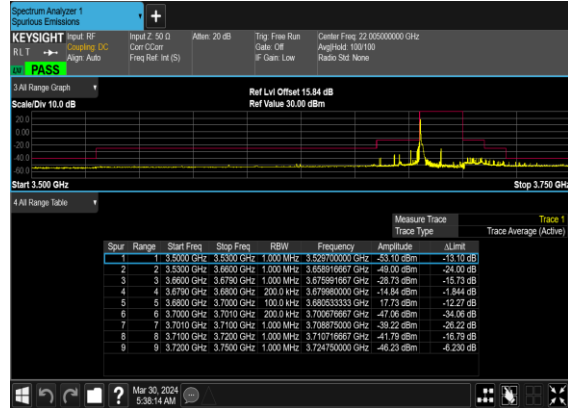
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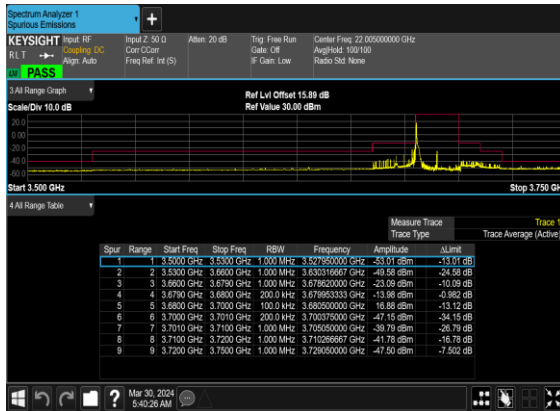
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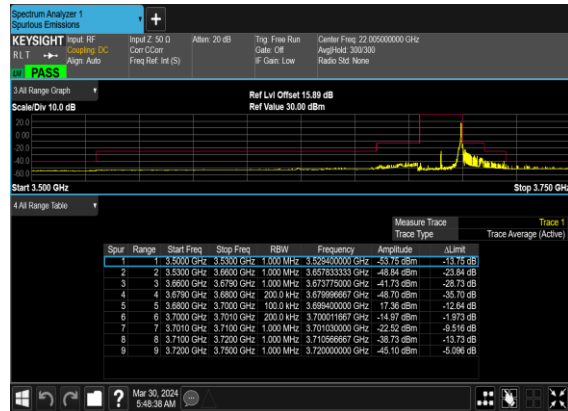
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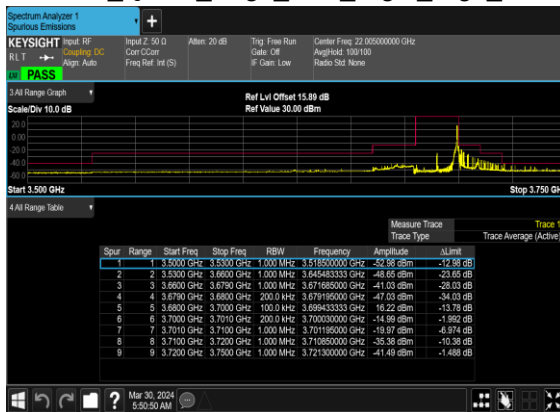
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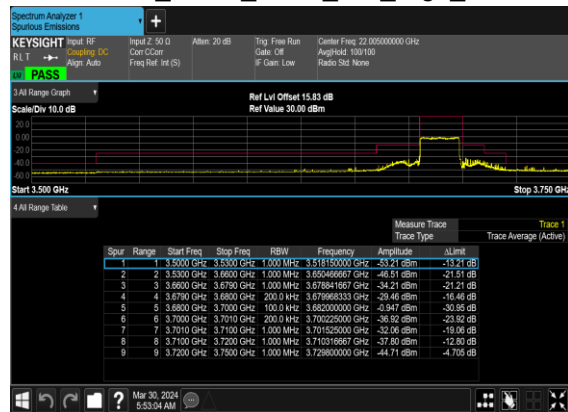
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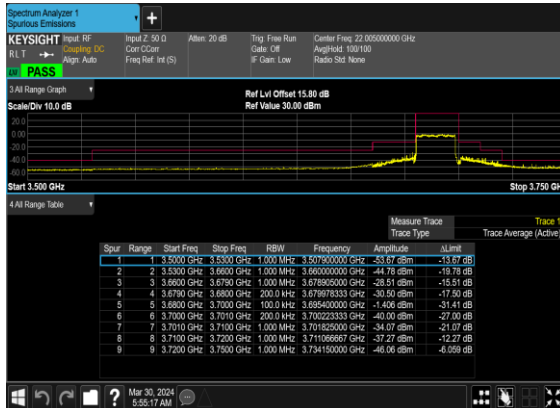
N48(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



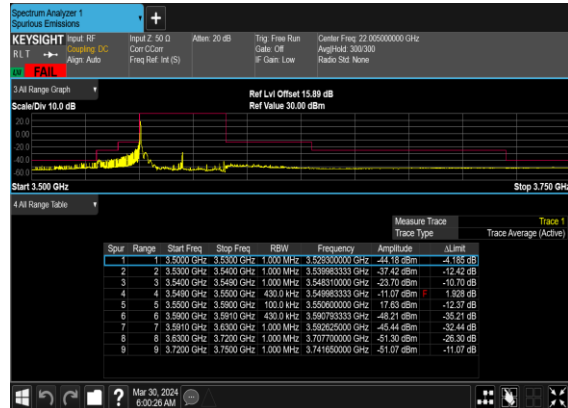
N48(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N48(20M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH



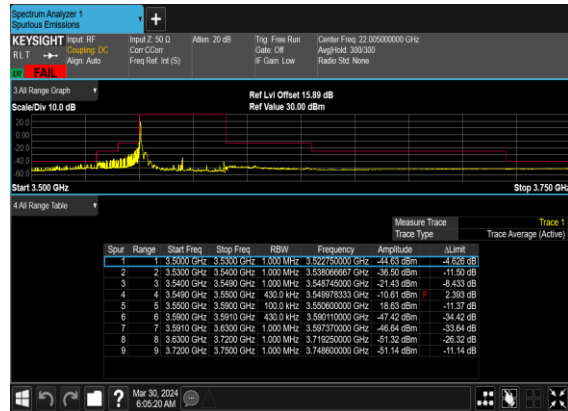
N48(40M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH



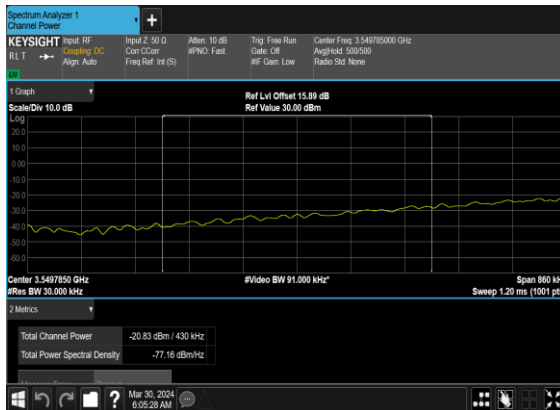
N48(40M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_Low_CH_chp_ PASS



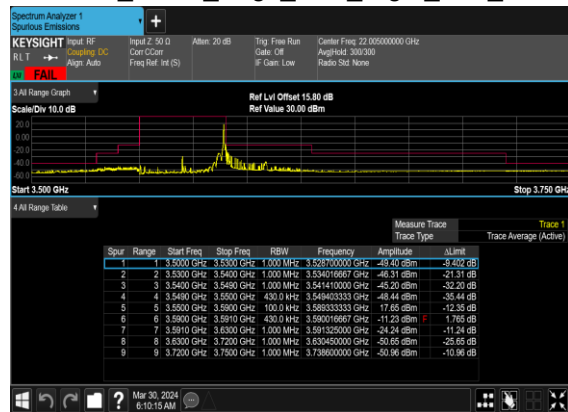
N48(40M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(40M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_Low_CH_chp_ PASS



N48(40M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_Low_CH



[illegible]

Spectrum Analyzer 1
Spectrum Emulation

KEYSIGHT Input Ref: **Channel F0** **Fail**
 R.L.T. **↔** **Align: Auto**

Input Z: 50 Ω
 Center Freq: 3.500 GHz
 Span: 400 MHz

Att: 20 dB
 Trig: Free Run
 Ref Level Offset: 15.0 dBm
 Ref Value: 30.00 dBm

Scale/Div 10.0 dB
 Start 3.500 GHz
 Stop 3.750 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔUnit
1	1	3.5000 GHz	3.5000 GHz	1.000 MHz	3.529100000 GHz	-47.49 dBm	-7.384 dB
2	2	3.5000 GHz	3.5000 GHz	1.000 MHz	3.534916667 GHz	-48.19 dBm	-20.19 dB
3	3	3.5000 GHz	3.5000 GHz	1.000 MHz	3.545200000 GHz	-44.48 dBm	-31.28 dB
4	4	3.5000 GHz	3.5000 GHz	430.0 kHz	3.549866667 GHz	-47.53 dBm	-34.53 dB
5	5	3.5000 GHz	3.5000 GHz	1.000 MHz	3.589333333 GHz	-62.27 dBm	-11.73 dB
6	6	3.5000 GHz	3.5010 GHz	430.0 kHz	3.590050000 GHz	-10.51 dBm	2.05 dB
7	7	3.5010 GHz	3.6300 GHz	1.000 MHz	3.592625000 GHz	-27.76 dBm	-14.76 dB
8	8	3.5000 GHz	3.7200 GHz	1.000 MHz	3.636900000 GHz	-51.05 dBm	-26.05 dB
9	9	3.7200 GHz	3.7500 GHz	1.000 MHz	3.739000000 GHz	-51.20 dBm	-11.20 dB

Spectrum Analyzer 1
Channel Power

KEYSIGHT Input: RF
 RLT → **Creeping DC**
 Align: Auto

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

Att: 10 dB
 #NO: Fast

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

Center Freq: 3.590215000 GHz
 Arg/Mod: 500/500
 Radio Std: None

1 Graph
 Scale/Div 10.0 dB
 Log
 20.0
 10.0
 0.0
 -10.0
 -20.0
 -30.0
 -40.0
 -50.0
 -60.0
 -70.0
 -80.0

Ref Lut Offset 19.09 dB
 Ref Value 30.06 dBm

Center 3.5902150 GHz
 #Res BW 30.000 kHz

#Video BW 91.000 kHz

Span 860 kHz
 Sweep 1.20 ms (1001 pts)

2 Metrics

Total Channel Power	-21.99 dBm / 430 kHz
Total Power Spectral Density	-76.32 dBm/Hz

Mar 30, 2024
 6:16:16 AM

KEYSIGHT Input Ref: **Calibrating DC** Input 2: 50.00 GHz Center: 3.500000 GHz Span: 4.00 GHz

REF **PASS**

1.00 Range Graph
Scale/Div 10.0 dB
Start 3.500 GHz
4.00 Range Table

Ref Level Offset 15.02 dBm
Ref Value 30.00 dBm

Stop 3.750 GHz

Measure Trace
Trace Type
Trace Average (Active)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δf/dB
1	1	3.5000 GHz	3.5000 GHz	1.000 MHz	3.500000000 GHz	-10.77 dBm	-0.765 dB
2	2	3.5000 GHz	3.5400 GHz	1.000 MHz	3.535666667 GHz	-37.97 dBm	-12.97 dB
3	3	3.5400 GHz	3.5450 GHz	1.000 MHz	3.542720000 GHz	-31.68 dBm	-8.69 dB
4	4	3.5400 GHz	3.5500 GHz	430.0 kHz	3.546971667 GHz	-30.24 dBm	-17.24 dB
5	5	3.5500 GHz	3.5600 GHz	100.0 kHz	3.566666667 GHz	-3.090 dBm	-33.09 dB
6	6	3.5600 GHz	3.5910 GHz	430.0 kHz	3.580678333 GHz	-30.19 dBm	-17.19 dB
7	7	3.5910 GHz	3.6300 GHz	1.000 MHz	3.609780000 GHz	-38.21 dBm	-23.21 dB
8	8	3.6300 GHz	3.7200 GHz	1.000 MHz	3.637200000 GHz	-45.40 dBm	-20.40 dB
9	9	3.7200 GHz	3.7500 GHz	1.000 MHz	3.741650000 GHz	-50.44 dBm	-10.44 dB

Spectrum Analyzer 1
Software Emulation

KEYSIGHT Input RF
R.I.T. $\leftrightarrow$ Coupling DC
Align Auto

Input 2: 50.0 GHz
Span: 20 dB
Trig: Free Run
Gate: Off
IF: Clean Low

Center Freq: 22.005000000 GHz
Avg/Hold: 100/10
Radio Std: None

PASS

3.0 MHz Range Graph
Scale/Div 10.0 dB
Ref Lvl Offset 15.00 dB
Ref Value 30.0 dBm

Start 3.500 GHz
Stop 3.750 GHz

4.0 MHz Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Offset
1	1	3.5000 GHz	3.5300 GHz	1.000 MHz	3.527500000 GHz	-21.78 dBm	-1.881 dB
2	2	3.5300 GHz	3.5400 GHz	1.000 MHz	3.537500000 GHz	-37.67 dBm	-12.67 dB
3	3	3.5400 GHz	3.5490 GHz	1.000 MHz	3.544860000 GHz	-28.76 dBm	-15.76 dB
4	4	3.5490 GHz	3.5500 GHz	430.0 MHz	3.549319667 GHz	-30.21 dBm	-17.21 dB
5	5	3.5500 GHz	3.5600 GHz	1.000 MHz	3.573333333 GHz	-3.435 dBm	-33.43 dB
6	6	3.5600 GHz	3.5910 GHz	430.0 MHz	3.560016667 GHz	-26.41 dBm	-13.41 dB
7	7	3.5910 GHz	3.6300 GHz	1.000 MHz	3.606666667 GHz	-36.61 dBm	-29.61 dB
8	8	3.6300 GHz	3.7200 GHz	1.000 MHz	3.633150000 GHz	-46.27 dBm	-31.27 dB
9	9	3.7200 GHz	3.7500 GHz	1.000 MHz	3.742750000 GHz	-50.60 dBm	-10.60 dB

Spectrum Analyzer 1
Spectrum Emulation

KEYSIGHT Input RF Input 2: 90.0 GHz
R/L T → Coaxial DC Corr Coar
Align: Auto Freq Test (In S)
IF Gain: Low Radio Std: None

3.400 GHz Range
Scale/Div 10.0 dB
Ref Lvl Offset 15.89 dB
Ref Value 30.00 dBm

Start 3.500 GHz
4 All Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLvl
					Trace Type	Trace Average (Active)	
1	1	3.5000 GHz	3.5000 GHz	1.000 MHz	3.5123000000 GHz	-32.17 dBm	-14.17 dB
2	2	3.5300 GHz	3.5650 GHz	1.000 MHz	3.5627250000 GHz	-48.93 dBm	-23.93 dB
3	3	3.5800 GHz	3.6040 GHz	1.000 MHz	3.6035400000 GHz	-23.82 dBm	-10.02 dB
4	4	3.6300 GHz	3.6500 GHz	430.0 MHz	3.648491667 GHz	-11.83 dBm	-1.47 dB
5	5	3.6050 GHz	3.6450 GHz	100.0 MHz	3.6056000000 GHz	-17.54 dBm	-12.46 dB
6	6	3.6450 GHz	3.6480 GHz	430.0 MHz	3.6451000000 GHz	-49.26 dBm	-36.26 dB
7	7	3.6400 GHz	3.6850 GHz	1.000 MHz	3.6476200000 GHz	-44.68 dBm	-31.89 dB
8	8	3.6850 GHz	3.7200 GHz	1.000 MHz	3.6888500000 GHz	-51.23 dBm	-26.23 dB
9	9	3.7200 GHz	3.7500 GHz	1.000 MHz	3.7450000000 GHz	-51.04 dBm	-11.04 dB

Mar 30, 2024
6:26:30 AM

Spectrum Analyzer 1
Channel Power

KEYSIGHT Input: RF
 RLT → **Calibrating DC**
 Align: Auto

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

Att: 10 dB
 #NO: Fast

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

Center Freq: 3.604785000 GHz
 ArgHz4d: 500.000
 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 Lev 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 several signals, with the most prominent one at 3.5 GHz having an amplitude of -51.02 dBm. The interface also includes various control buttons and labels, such as 'FAIL', 'Trace Average', and 'Measure Trace Type'.

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	1.656 dB
5	5	3.6050 GHz	3.6450 GHz	100.0 kHz	3.605000000 GHz	-16.87 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	3.648120000 GHz	-16.43 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	-11.06 dB

The screenshot displays a Spectrum Analyzer interface with the following components:

- Top Panel:**
 - Buttons for **Channel Power** and **RF**.
 - KEYSIGHT** logo and **Display DC** button.
 - Input settings: **Input 2: 50.0**, **Corr CCor**, **Freq Ref: Int (S)**.
 - Attenuation: **Att: 10 dB**, **#PNO: Fast**.
 - Triggers: **Trig: Free Run**, **Gate: Off**, **#F: Gain Low**.
 - Center Frequency: **Center Freq: 3.604785000 GHz**.
 - Resolution Bandwidth: **Res BW: 500.500**.
 - Video Bandwidth: **Video BW: 30.000**.
 - Reference Level: **Ref Level: 15.85 dB**.
 - Reference Value: **Ref Value: 30.00 dBm**.
- Plot Area:**
 - Y-axis: **Scale/Div 10.0 dB**, **Log** scale, ranging from -60.0 to 10.0 dB.
 - X-axis: **Center 3.6047850 GHz**, **#Res BW 30.000 kHz**, **#Video BW 91.000 kHz**, **Span 860 kHz**, **Sweep 1.20 ms (1001 pt)**.
 - A yellow trace shows a noisy signal level around -40 dBm.
- Bottom Panel:**
 - 2 Metrics** dropdown.
 - Measurement 1: **Total Channel Power** = **-21.87 dBm / 430 kHz**.
 - Measurement 2: **Total Power Spectral Density** = **-76.20 dBm/Hz**.
- Taskbar:**
 - Windows taskbar at the bottom with a clock showing **May 30, 2004 6:32:57 AM**.

[illegible]

Spectrum Analyzer 1
 Software Emulation

KEYSIGHT Input RF: 50.0 MHz
 R.I.T. $\rightarrow$ Coupling: DC
 Align: Auto

Input 2: 50.0 MHz
 Corr: Corr
 Freq Ref: Int (S)

Att: 20 dB

Trig: Free Run
 Gate: Off
 IF: Clean Low

Center Freq: 22,000,000,000 Hz
 AuhdHd: 300/300
 Radio Std: None

FAIL

3.48 Range Graph

Scale/Div 10.0 dB

Ref Lvl Offset: 15.89 dB
 Ref Value: 30.00 dBm

Start 3.500 GHz

Stop 3.750 GHz

4.00 Range Table

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Altmet
1	1	3.50000 GHz	3.53000 GHz	1.000 MHz	3.5021500000 GHz	-52.82 dBm	-12.82 dB
2	2	3.53000 GHz	3.56500 GHz	1.000 MHz	3.560858333 GHz	-51.90 dBm	-26.90 dB
3	3	3.56500 GHz	3.60400 GHz	1.000 MHz	3.602960000 GHz	-48.57 dBm	-32.57 dB
4	4	3.60400 GHz	3.65000 GHz	430.0 kHz	3.649496667 GHz	-49.32 dBm	-36.32 dB
5	5	3.65000 GHz	3.64500 GHz	1.000 MHz	3.644333333 GHz	-14.78 dBm	-15.78 dB
6	6	3.64500 GHz	3.64800 GHz	430.0 kHz	3.645000000 GHz	-12.33 dBm	-0.67 dB
7	7	3.64800 GHz	3.68500 GHz	1.000 MHz	3.646800000 GHz	-24.40 dBm	-11.60 dB
8	8	3.68500 GHz	3.72000 GHz	1.000 MHz	3.685196667 GHz	-49.16 dBm	-24.16 dB
9	9	3.72000 GHz	3.75000 GHz	1.000 MHz	3.722100000 GHz	-50.92 dBm	-10.92 dB

Measure Trace Type

Trace Average (Active)

Spectrum Analyzer 1
Channel Power

KEYSIGHT Input: RF Coupling: DC Algs: Auto Input Z: 50 Ω Con: C-Cat Attm: 10 dB IFBW: Fast Trig: Free Run Gate: Off Center Freq: 3.645215000 GHz Avg/Hd: 500/500 Radio Std: None Freq Ref: Int (S) Ref Value: 30.00 dBm

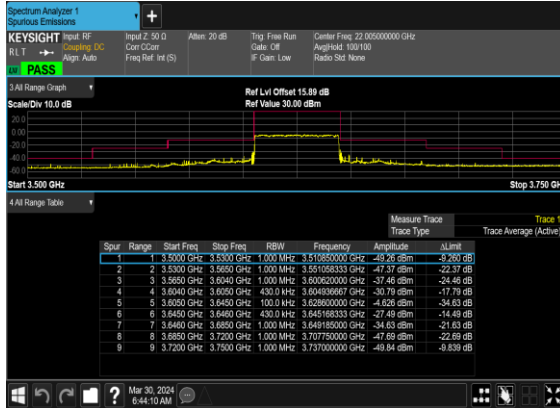
1 Graph
Scale/Div 10.0 dB
Log
20.0
10.0
0.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Ref Lvl Offset 15.00 dB
Ref Value 30.00 dBm
#Video BW 91.000 kHz*
Span 800 kHz
Sweep 1.20 ms (1001 pts)

Center 3.6452150 GHz
BW 30.00 kHz

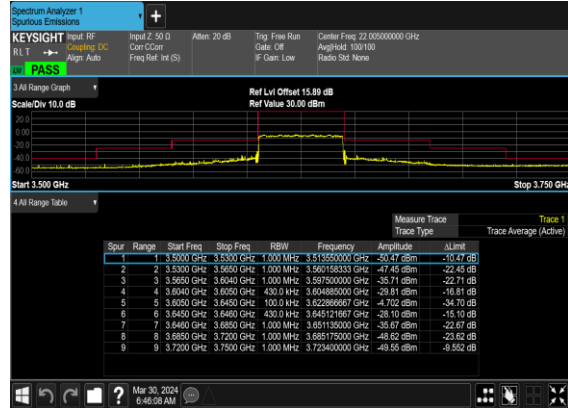
2 Metrics
Total Channel Power -23.20 dBm / 430 kHz
Total Power Spectral Density -79.53 dBm/MHz

May 30, 2024
6:42:12 AM

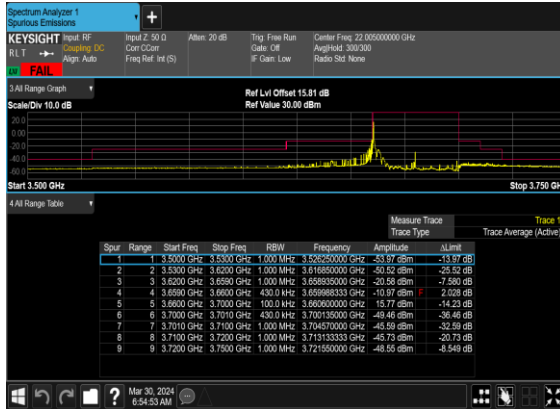
N48(40M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



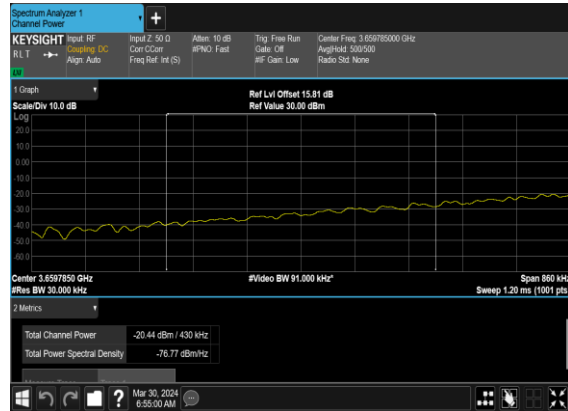
N48(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



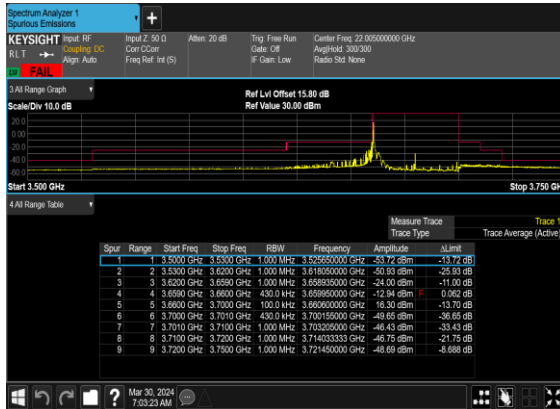
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



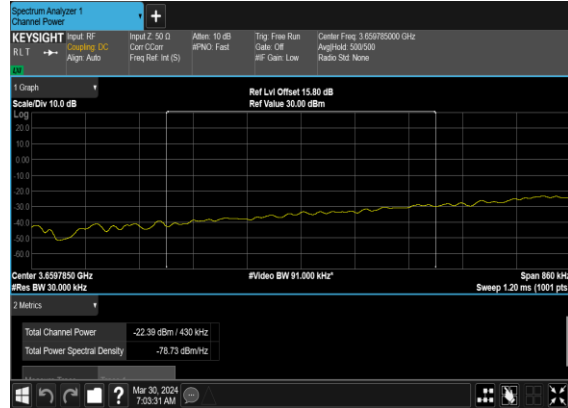
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH_chp_PASS



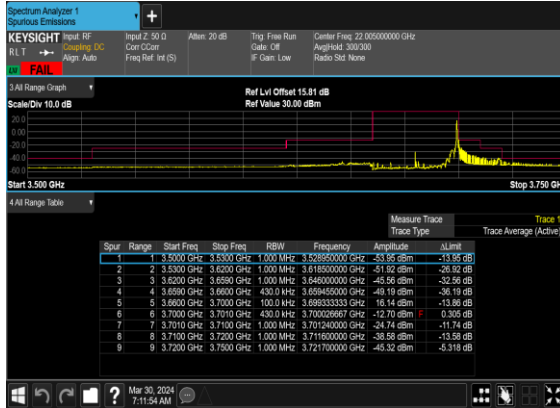
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



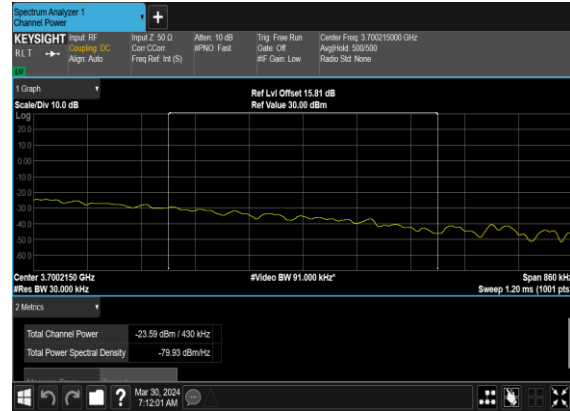
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH_chp_PASS



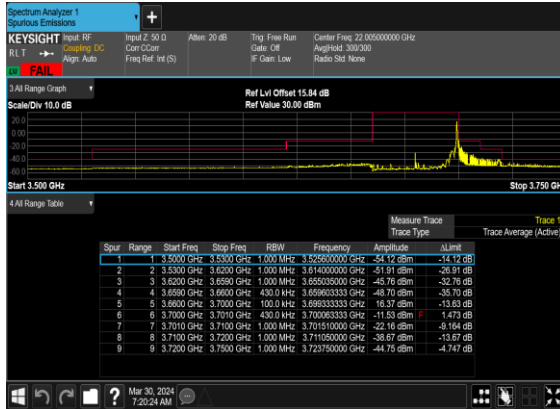
N48(40M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH



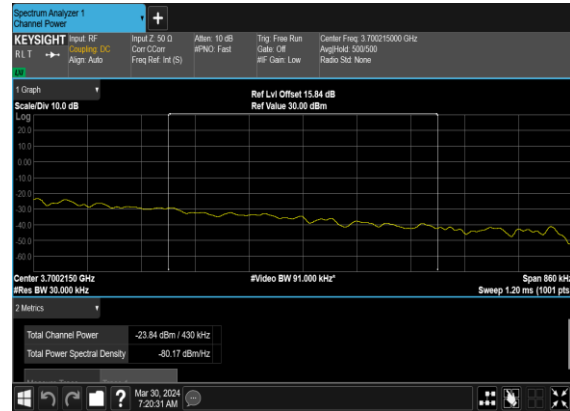
N48(40M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH_ch _PASS



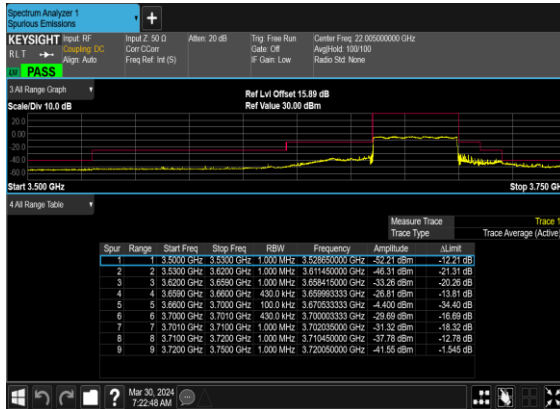
N48(40M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH



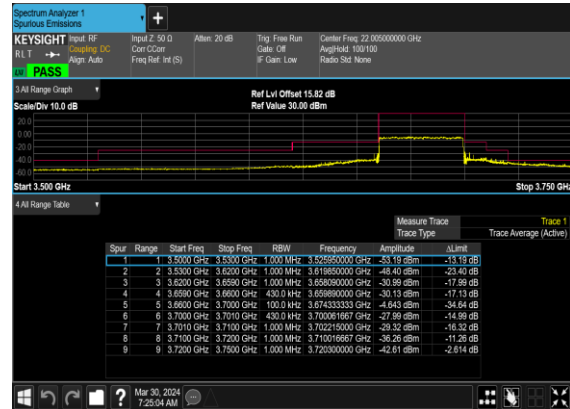
N48(40M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH_ch P_PASS



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