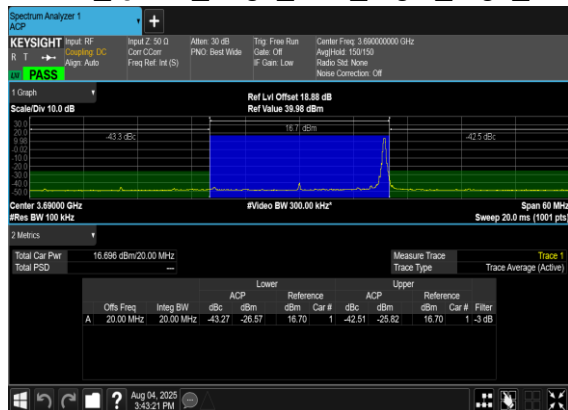
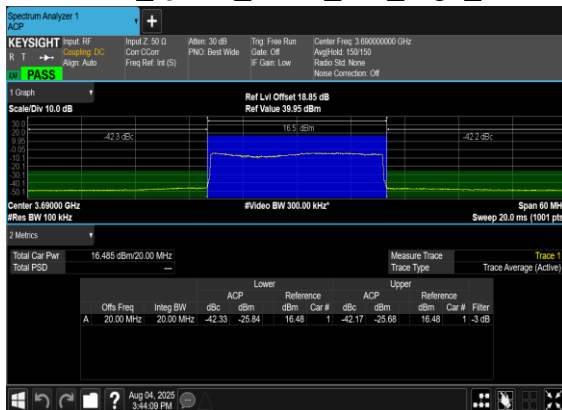




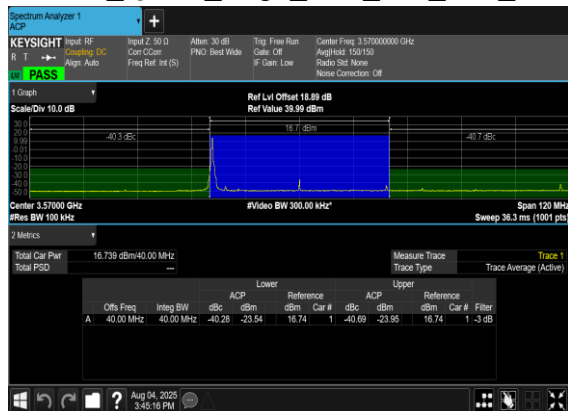
N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



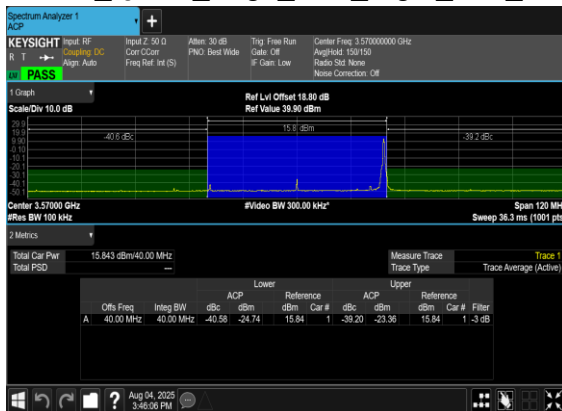
N48(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH



N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

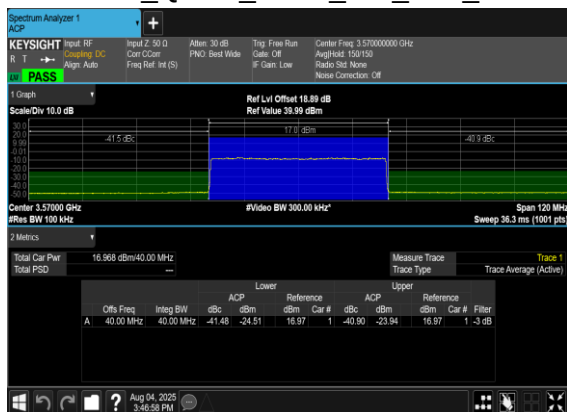


N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH

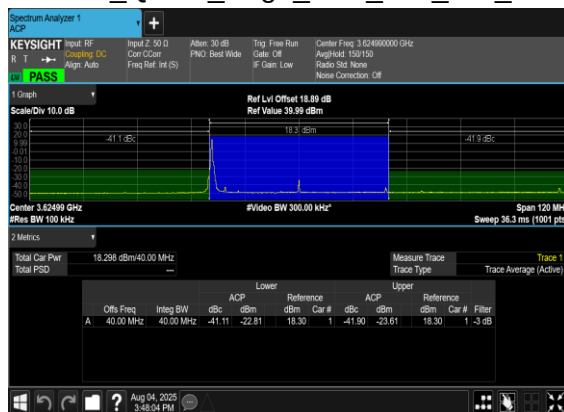




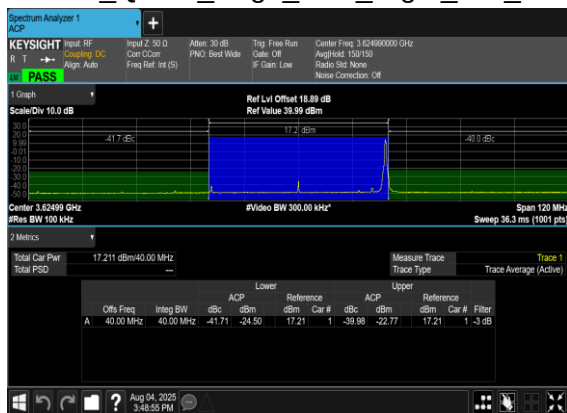
N48(40M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



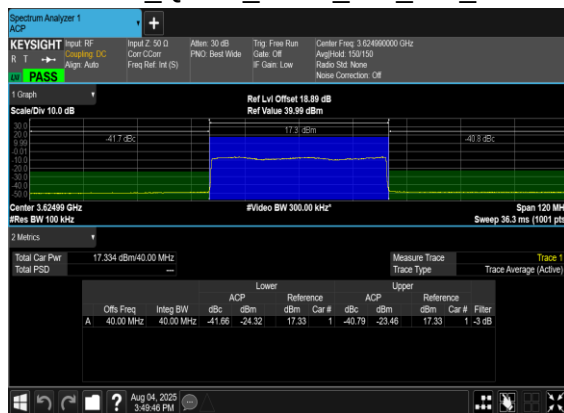
N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH

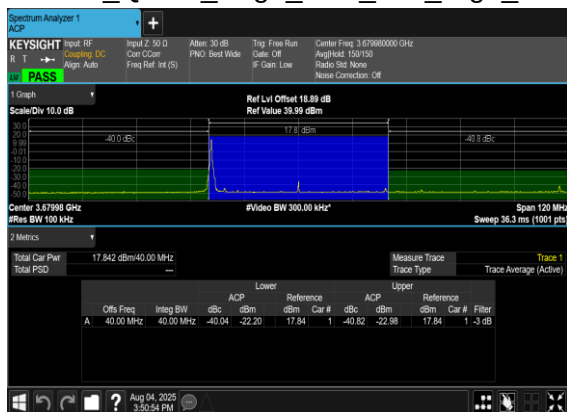


N48(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH

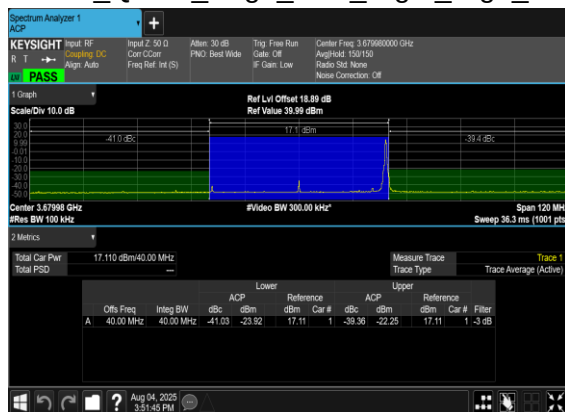




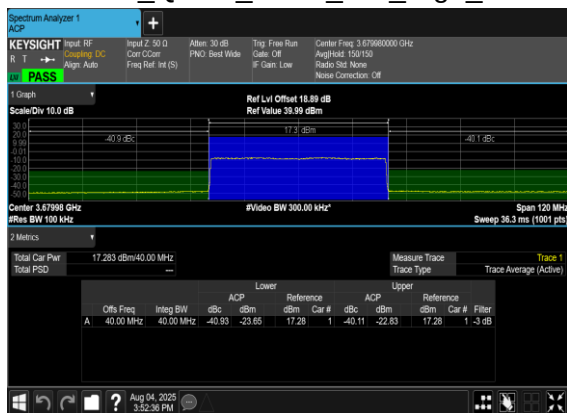
N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



N48(40M)_CP-
OFDM_QPSK_Outer_Full_High_CH





Conducted Spurious Emissions

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



48	15	40	638000	3570.0	CP-OFDM QPSK	1@0	see graph	PASS
48	15	40	641666	3624.99	CP-OFDM QPSK	1@0	see graph	---
48	15	40	641666	3624.99	CP-OFDM QPSK	1@0	see graph	PASS
48	15	40	641666	3624.99	CP-OFDM QPSK	1@0	see graph	PASS
48	15	40	645332	3679.98	CP-OFDM QPSK	1@0	see graph	---
48	15	40	645332	3679.98	CP-OFDM QPSK	1@0	see graph	PASS
48	15	40	645332	3679.98	CP-OFDM QPSK	1@0	see graph	PASS



N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH





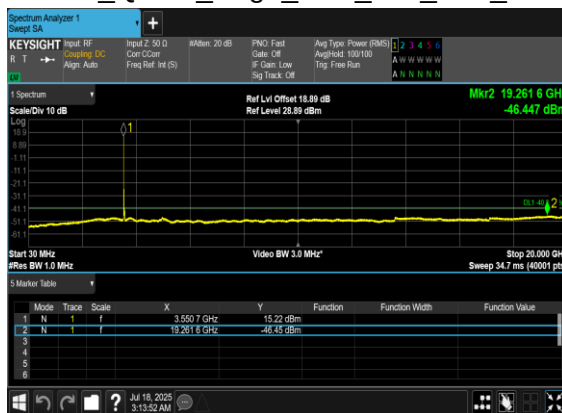
N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



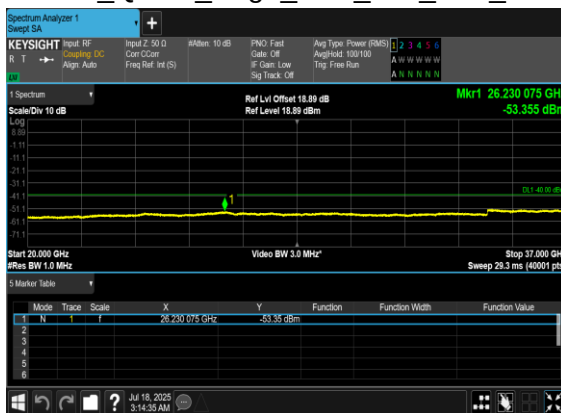
N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH





N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CHN48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CHN48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CHN48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH





Conducted Band Edge

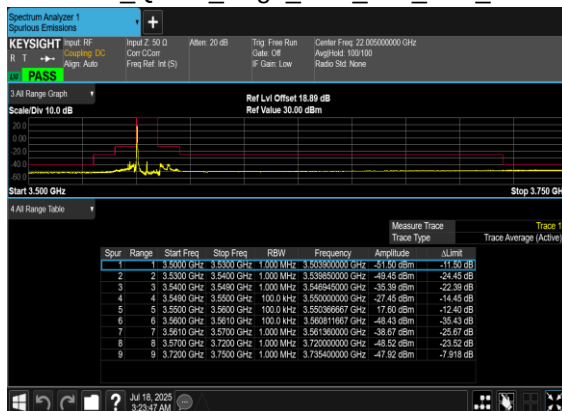
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
48	15	10	637000	3555.0	CP-OFDM QPSK	1@0	see graph	PASS
48	15	10	637000	3555.0	CP-OFDM QPSK	1@51	see graph	PASS
48	15	10	637000	3555.0	CP-OFDM QPSK	52@0	see graph	PASS
48	15	10	641666	3624.99	CP-OFDM QPSK	1@0	see graph	PASS
48	15	10	641666	3624.99	CP-OFDM QPSK	1@51	see graph	PASS
48	15	10	641666	3624.99	CP-OFDM QPSK	52@0	see graph	PASS
48	15	10	646332	3694.98	CP-OFDM QPSK	1@0	see graph	PASS
48	15	10	646332	3694.98	CP-OFDM QPSK	1@51	see graph	PASS
48	15	10	646332	3694.98	CP-OFDM QPSK	52@0	see graph	PASS
48	15	15	637168	3557.52	CP-OFDM QPSK	1@0	see graph	PASS
48	15	15	637168	3557.52	CP-OFDM QPSK	1@78	see graph	PASS
48	15	15	637168	3557.52	CP-OFDM QPSK	79@0	see graph	PASS
48	15	15	641666	3624.99	CP-OFDM QPSK	1@0	see graph	PASS
48	15	15	641666	3624.99	CP-OFDM QPSK	1@78	see graph	PASS
48	15	15	641666	3624.99	CP-OFDM QPSK	79@0	see graph	PASS
48	15	15	646166	3692.49	CP-OFDM QPSK	1@0	see graph	PASS
48	15	15	646166	3692.49	CP-OFDM QPSK	1@78	see graph	PASS
48	15	20	637334	3560.01	CP-OFDM QPSK	1@0	see graph	PASS
48	15	20	637334	3560.01	CP-OFDM QPSK	1@105	see graph	PASS
48	15	20	637334	3560.01	CP-OFDM QPSK	106@0	see graph	PASS
48	15	20	641666	3624.99	CP-OFDM QPSK	1@0	see graph	PASS
48	15	20	641666	3624.99	CP-OFDM QPSK	1@105	see graph	PASS



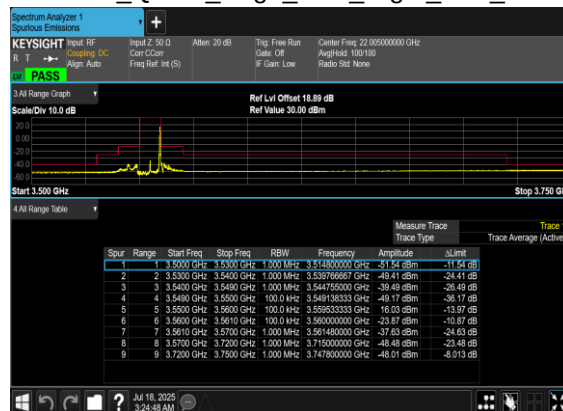
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	see graph	PASS
48	15	20	646000	3690.0	CP-OFDM QPSK	1@0	see graph	PASS
48	15	20	646000	3690.0	CP-OFDM QPSK	1@105	see graph	PASS
48	15	20	646000	3690.0	CP-OFDM QPSK	106@0	see graph	PASS
48	15	30	637667	3565.005	CP-OFDM QPSK	1@0	see graph	PASS
48	15	30	637667	3565.005	CP-OFDM QPSK	1@159	see graph	PASS
48	15	30	637667	3565.005	CP-OFDM QPSK	160@0	see graph	PASS
48	15	30	641666	3624.99	CP-OFDM QPSK	1@0	see graph	PASS
48	15	30	641666	3624.99	CP-OFDM QPSK	1@159	see graph	PASS
48	15	30	641666	3624.99	CP-OFDM QPSK	160@0	see graph	PASS
48	15	30	645666	3684.99	CP-OFDM QPSK	1@0	see graph	PASS
48	15	30	645666	3684.99	CP-OFDM QPSK	1@159	see graph	PASS
48	15	30	645666	3684.99	CP-OFDM QPSK	160@0	see graph	PASS
48	15	40	638000	3570.0	CP-OFDM QPSK	1@0	see graph	PASS
48	15	40	638000	3570.0	CP-OFDM QPSK	1@215	see graph	PASS
48	15	40	638000	3570.0	CP-OFDM QPSK	216@0	see graph	PASS
48	15	40	641666	3624.99	CP-OFDM QPSK	1@0	see graph	PASS
48	15	40	641666	3624.99	CP-OFDM QPSK	1@215	see graph	PASS
48	15	40	641666	3624.99	CP-OFDM QPSK	216@0	see graph	PASS
48	15	40	645332	3679.98	CP-OFDM QPSK	1@0	see graph	PASS
48	15	40	645332	3679.98	CP-OFDM QPSK	1@215	see graph	PASS
48	15	40	645332	3679.98	CP-OFDM QPSK	216@0	see graph	PASS



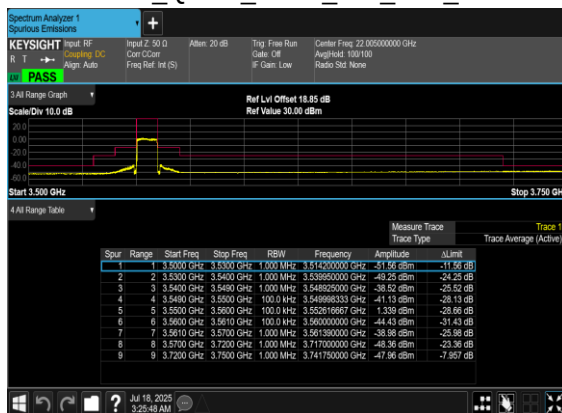
N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



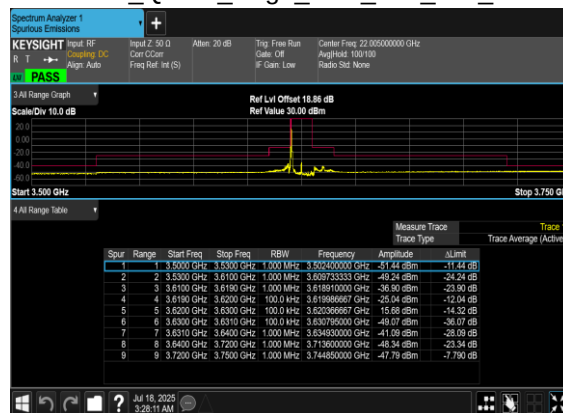
N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH



N48(10M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

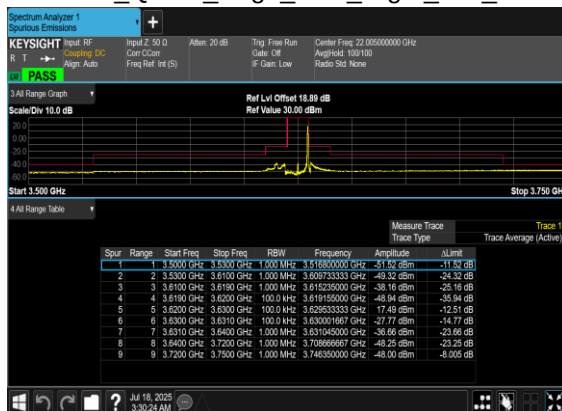


N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

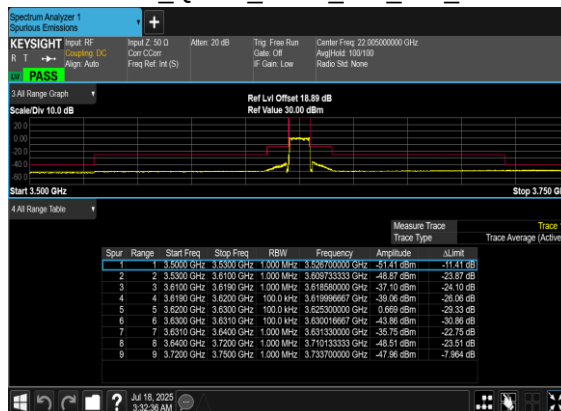




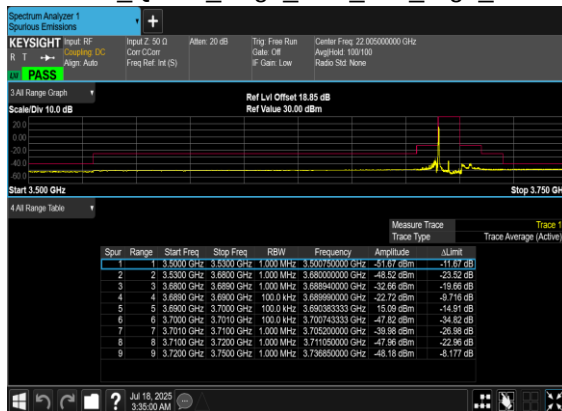
N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH



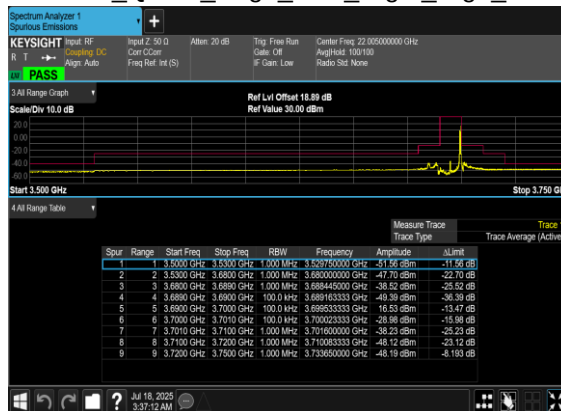
N48(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

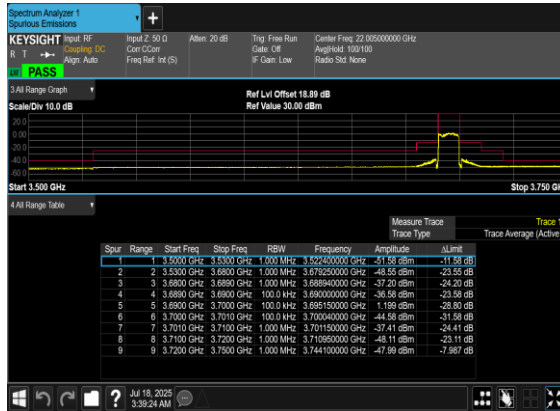


N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH

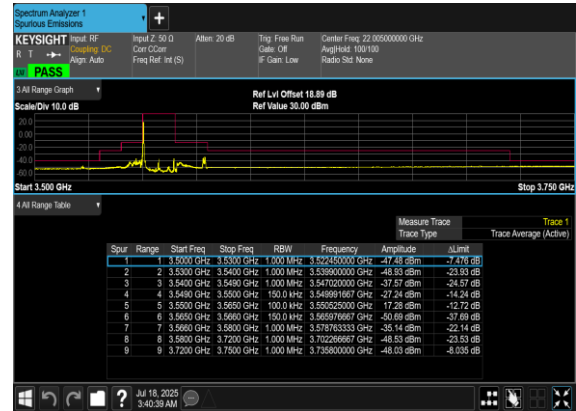




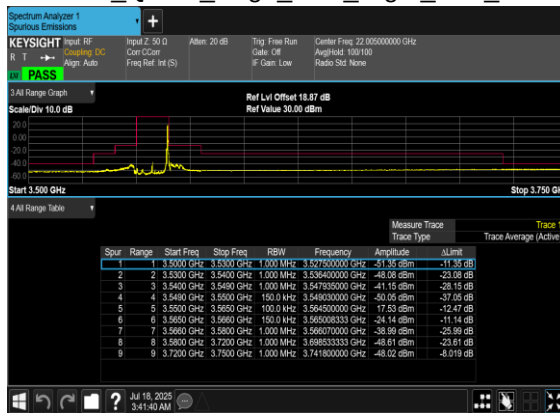
N48(10M)_CP-
OFDM_QPSK_Outer_Full_High_CH



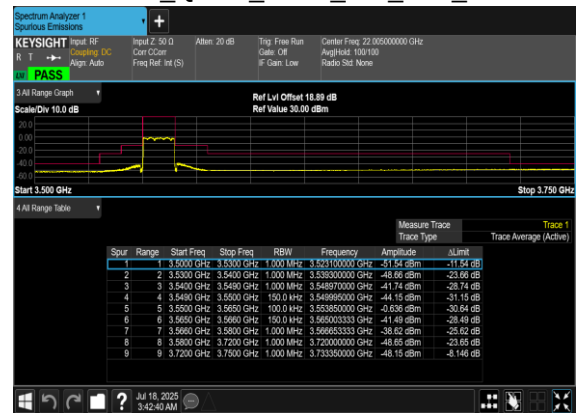
N48(15M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(15M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH

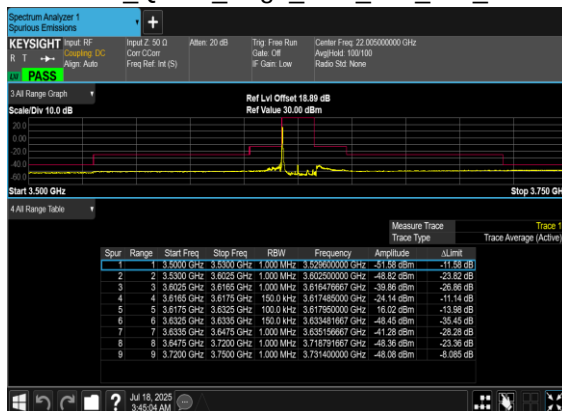


N48(15M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

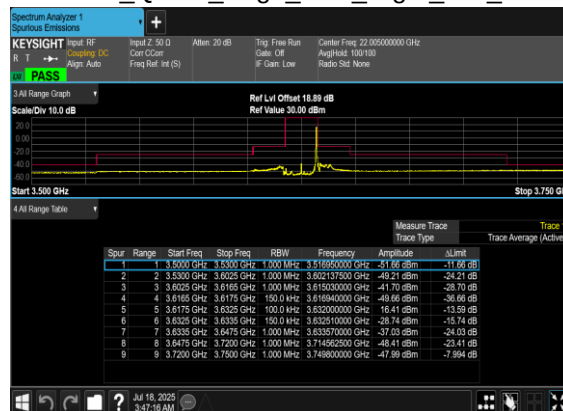




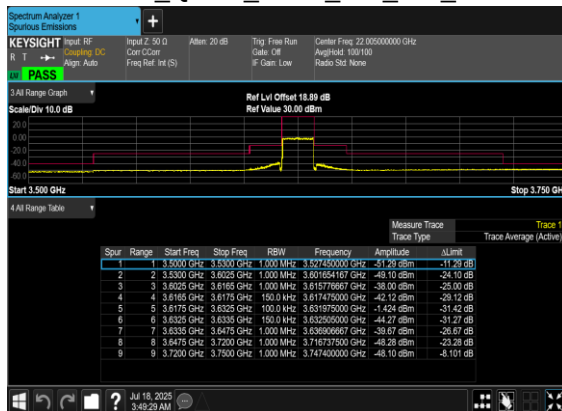
N48(15M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



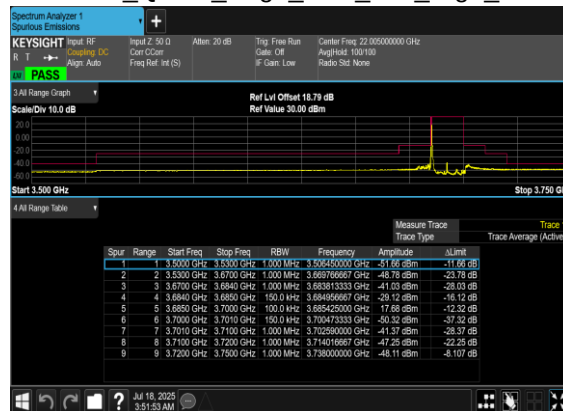
N48(15M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH



N48(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH

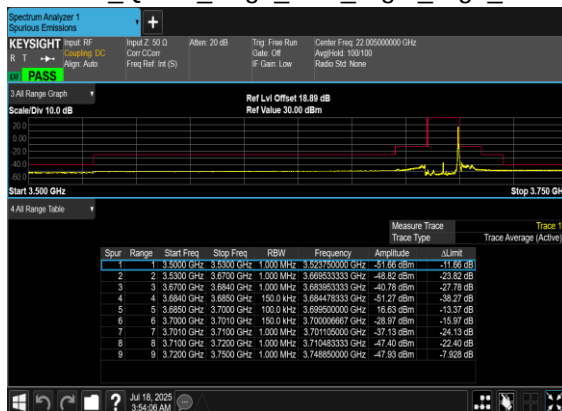


N48(15M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

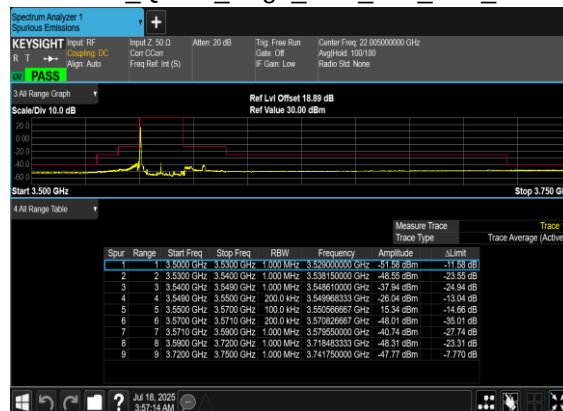




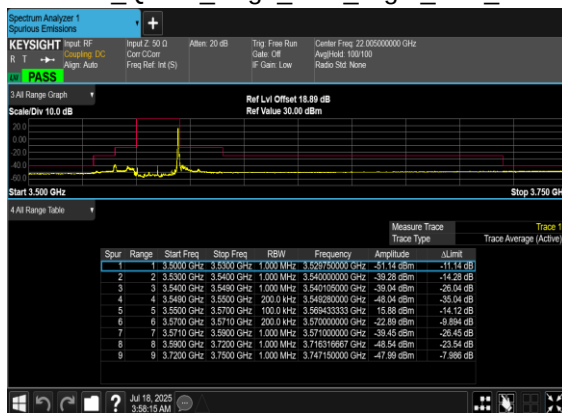
N48(15M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



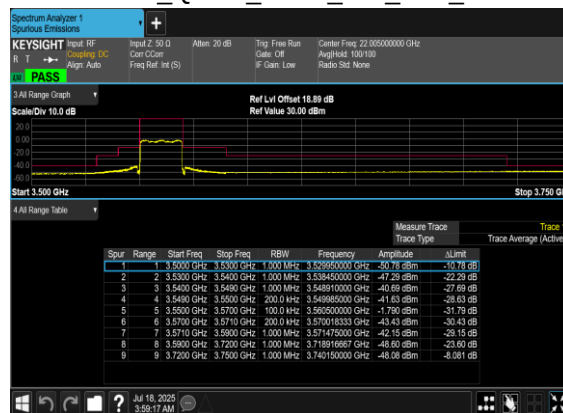
N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH

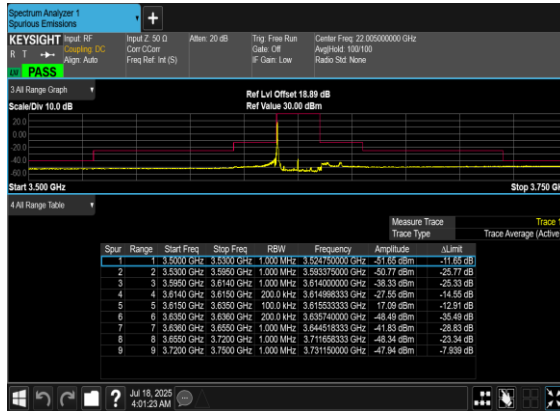


N48(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

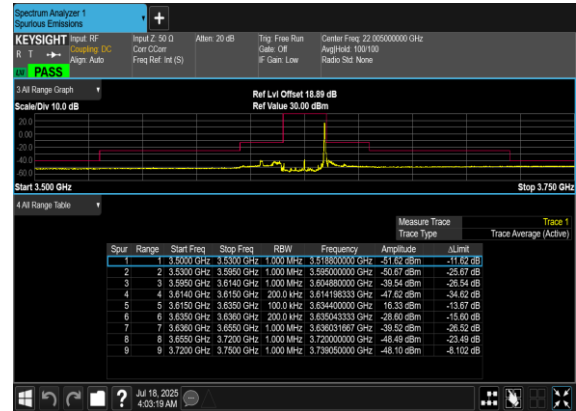




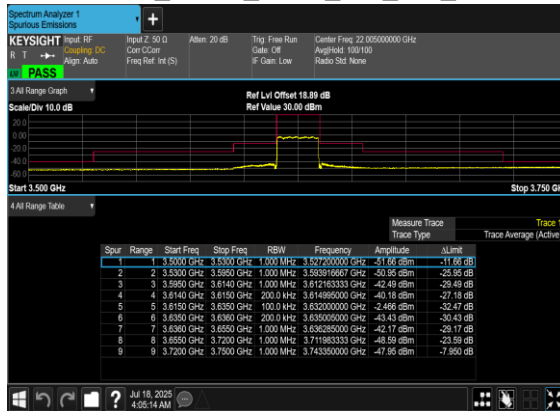
N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



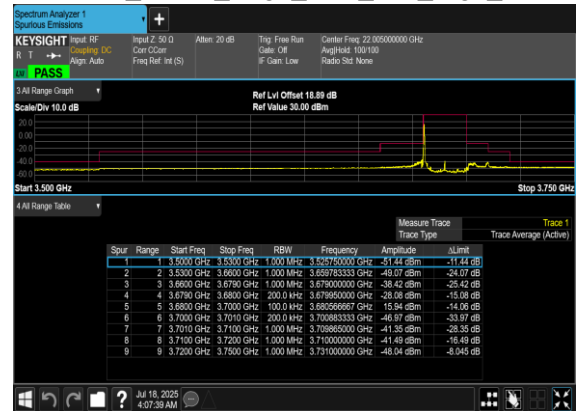
N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH



N48(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH

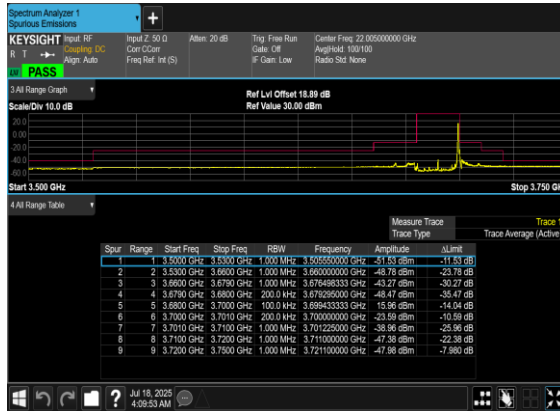


N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

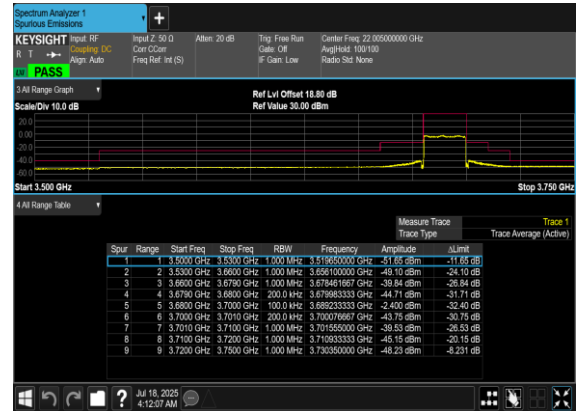




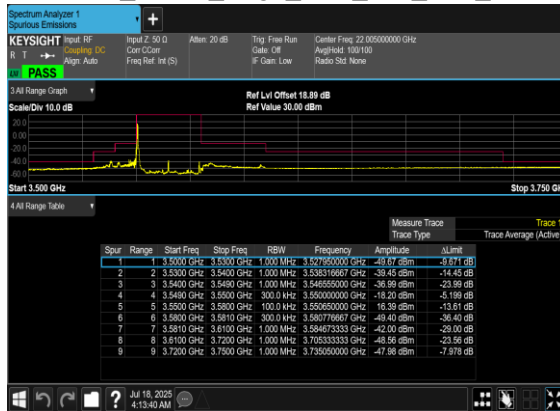
N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



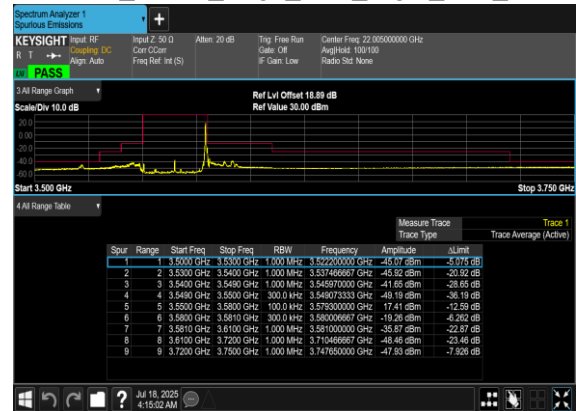
N48(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH



N48(30M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

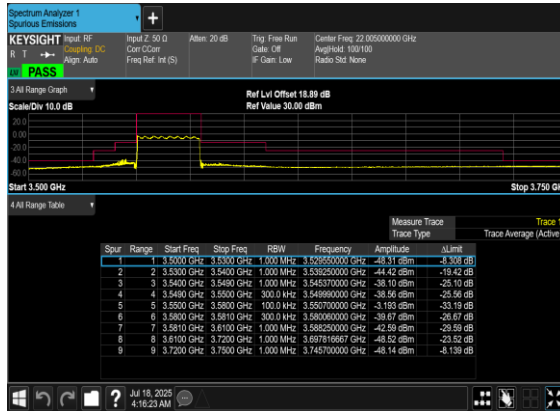


N48(30M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH

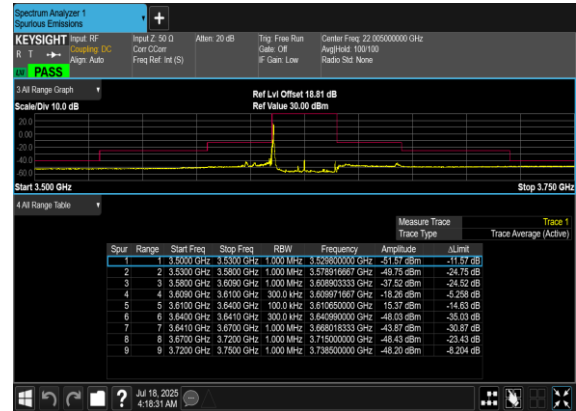




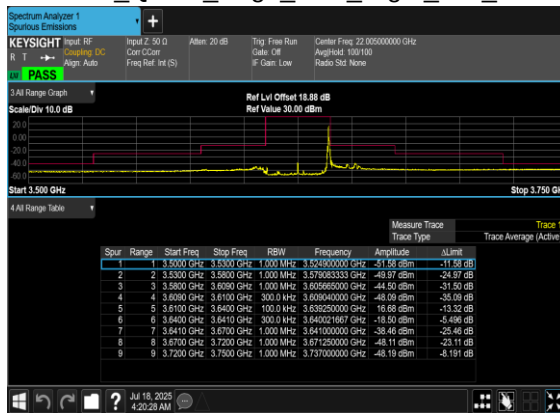
N48(30M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



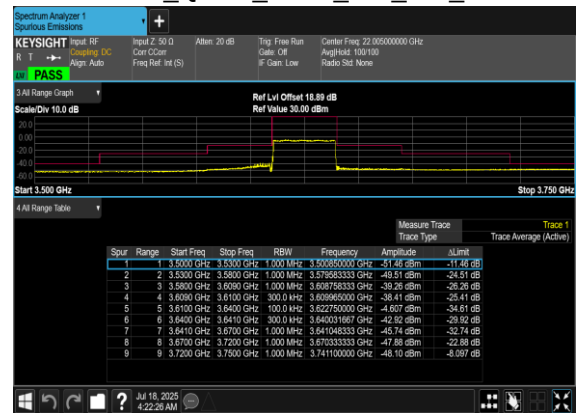
N48(30M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(30M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH

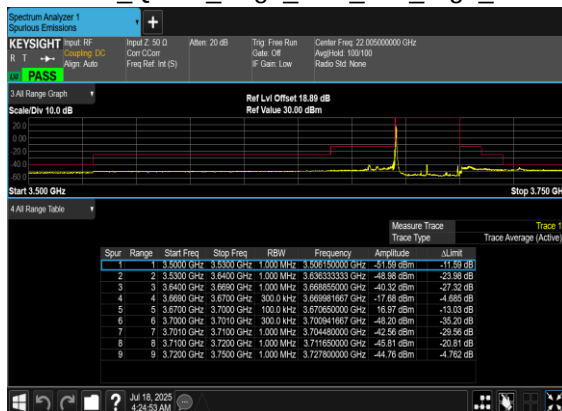


N48(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH

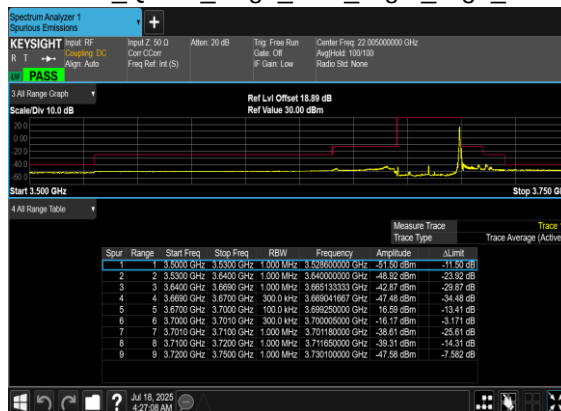




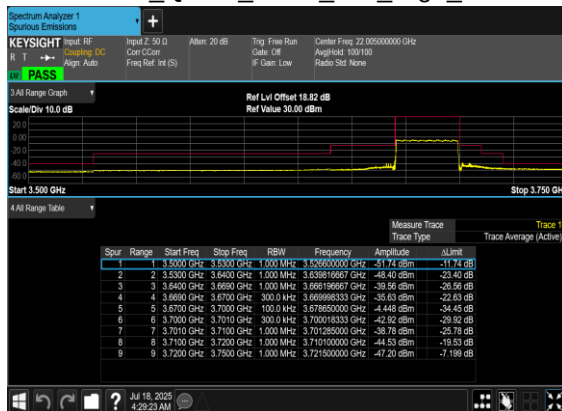
N48(30M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



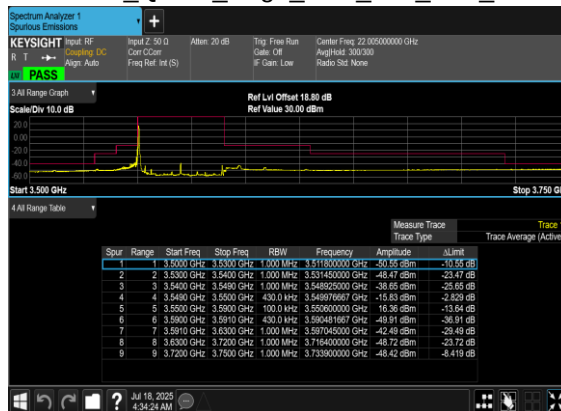
N48(30M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



N48(30M)_CP-
OFDM_QPSK_Outer_Full_High_CH

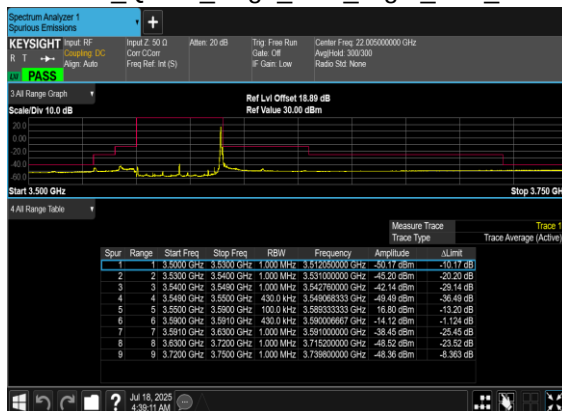


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OFDM_QPSK_Edge_1RB_Left_Low_CH

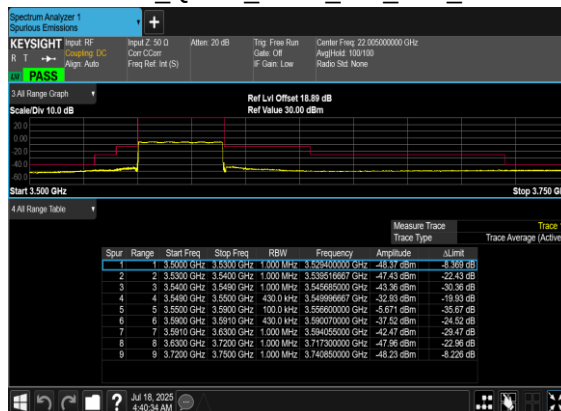




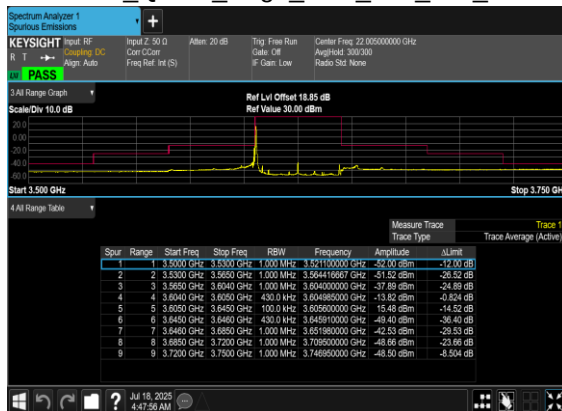
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OFDM_QPSK_Edge_1RB_Right_Low_CH



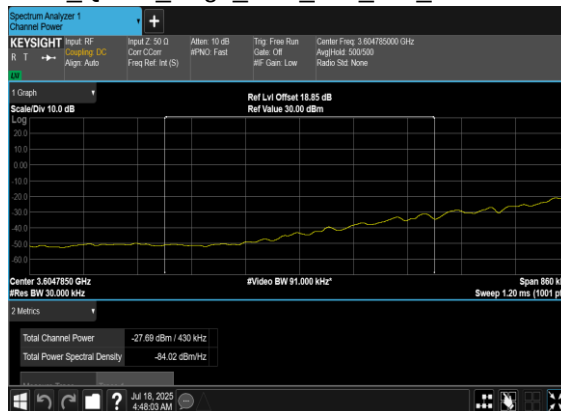
N48(40M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

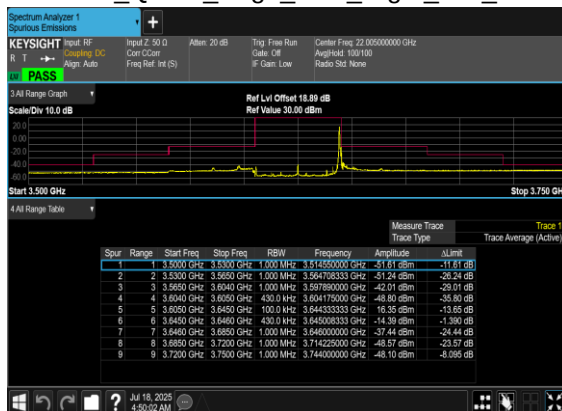


N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH_CHP_PASS

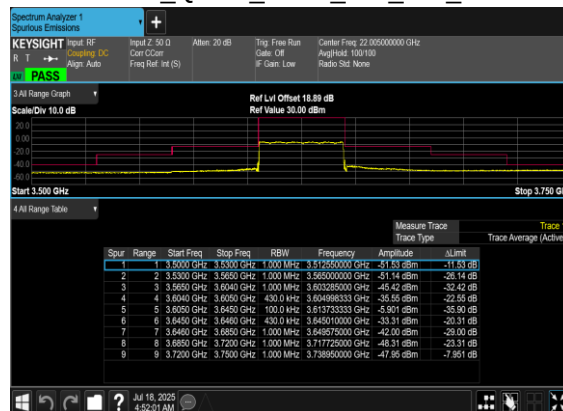




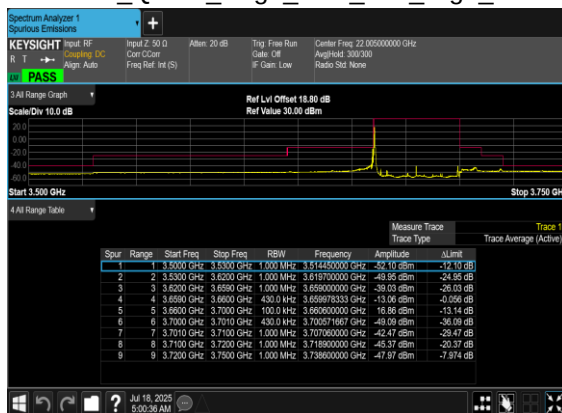
N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH



N48(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

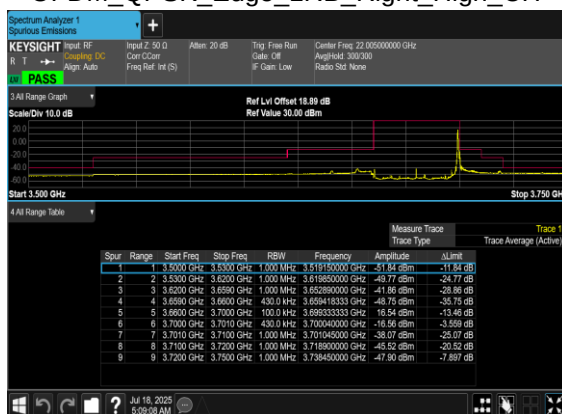


N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH_CHP_PASS

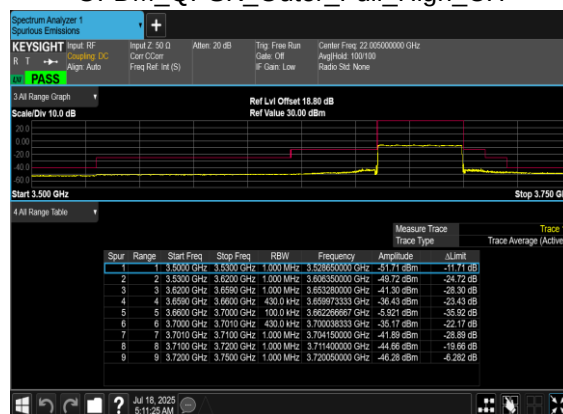




N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



N48(40M)_CP-
OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 n48 UL MIMO(Ant 6)-15 kHz

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	13	PASS	NV
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	6.8	PASS	LV
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	15.9	PASS	HV
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	16.3	PASS	-30℃
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	7.2	PASS	-20℃
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	19.1	PASS	-10℃
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	17.8	PASS	0℃
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	6.7	PASS	10℃
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	7.5	PASS	20℃
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	11.7	PASS	30℃
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	11.1	PASS	40℃
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	10.1	PASS	50℃

|MAX(Δf)| = 19.1 Hz

Frequency Stability	Frequency (MHz)	Limit Line	Result
fL - MAX(Δf)	3550.539481	≥ 3550 MHz	PASS
fH + MAX(Δf)	3699.430619	≤ 3700 MHz	



NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	8.33	13	PASS

Spectrum Analyzer 1
Power Stat C23F

KEYSIGHT Input RF
Power Stat C23F
Display DC
Align Auto

Input2 2.500
Corr Corr
Freq Ref (S)

Att: 30.0 dB
Trig RF Burst
RF Gain Low
Center Freq: 3.624600000 GHz
Counts: 1.00 M1.00 Mpt
Radio Std: None

1 Metrics

Average Power

18.94 dBm
36.65 % at 0 dB

10.0 % 3.64 dB
1.0 % 6.65 dB
0.1 % 8.33 dB
0.01 % 9.54 dB
0.001 % 10.17 dB
0.0001 % 10.31 dB

Peak

10.36 dB
29.30 dBm

2 Graph

Gaussian

100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %

0.00 dB
20.00 dB

Info BW 25.00 MHz

Jul 18, 2025
5:38:28 AM

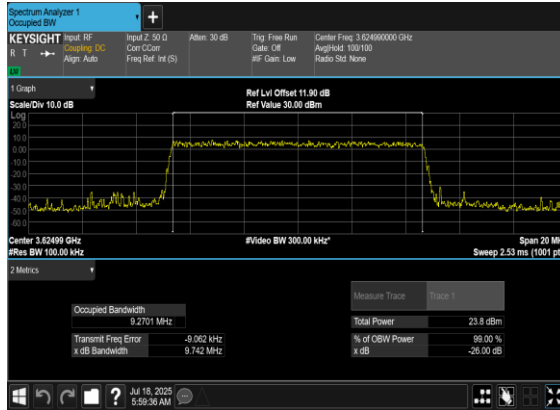


Occupied Bandwidth

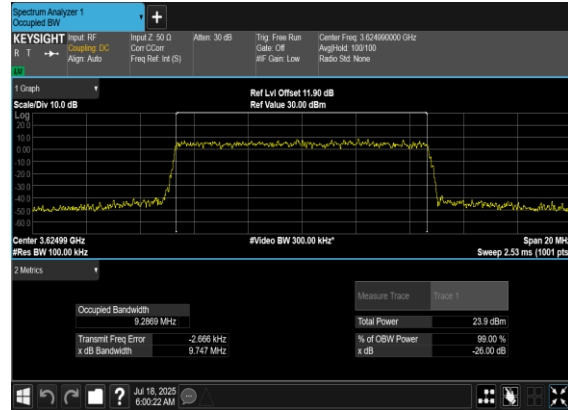
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
48	15	10	641666	3624.99	CP-OFDM QPSK	52@0	9.2701	9.742
48	15	10	641666	3624.99	CP-OFDM 16 QAM	52@0	9.2869	9.747
48	15	10	641666	3624.99	CP-OFDM 64 QAM	52@0	9.2619	9.644
48	15	10	641666	3624.99	CP-OFDM 256 QAM	52@0	9.2624	9.671
48	15	15	641666	3624.99	CP-OFDM QPSK	79@0	14.096	14.64
48	15	15	641666	3624.99	CP-OFDM 16 QAM	79@0	14.119	14.62
48	15	15	641666	3624.99	CP-OFDM 64 QAM	79@0	14.055	14.57
48	15	15	641666	3624.99	CP-OFDM 256 QAM	79@0	14.079	14.66
48	15	20	641666	3624.99	CP-OFDM QPSK	106@0	18.93	19.56
48	15	20	641666	3624.99	CP-OFDM 16 QAM	106@0	18.935	19.63
48	15	20	641666	3624.99	CP-OFDM 64 QAM	106@0	18.9	19.55
48	15	20	641666	3624.99	CP-OFDM 256 QAM	106@0	18.91	19.54
48	15	30	641666	3624.99	CP-OFDM QPSK	160@0	28.542	29.54
48	15	30	641666	3624.99	CP-OFDM 16 QAM	160@0	28.609	29.56
48	15	30	641666	3624.99	CP-OFDM 64 QAM	160@0	28.486	29.45
48	15	30	641666	3624.99	CP-OFDM 256 QAM	160@0	28.607	29.6
48	15	40	641666	3624.99	CP-OFDM QPSK	216@0	38.642	39.96
48	15	40	641666	3624.99	CP-OFDM 16 QAM	216@0	38.557	39.78
48	15	40	641666	3624.99	CP-OFDM 64 QAM	216@0	38.428	39.88
48	15	40	641666	3624.99	CP-OFDM 256 QAM	216@0	38.647	39.77



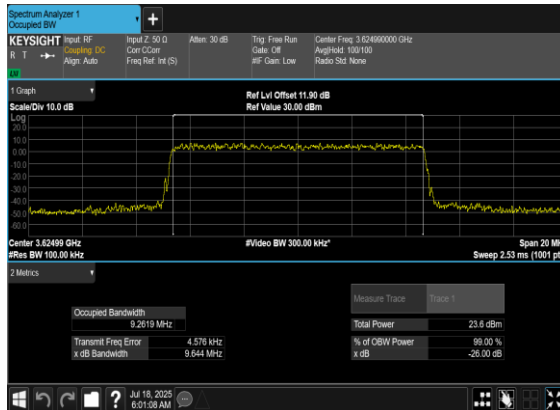
N48(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



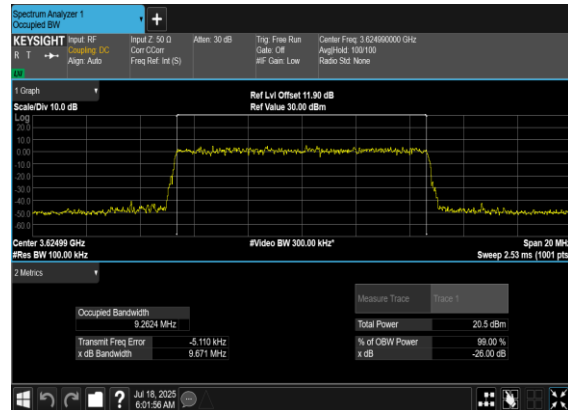
N48(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N48(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

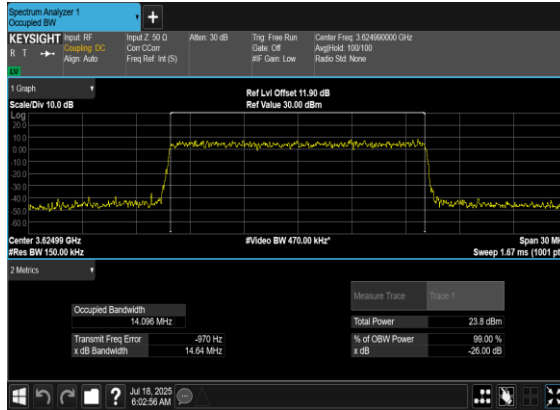


N48(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

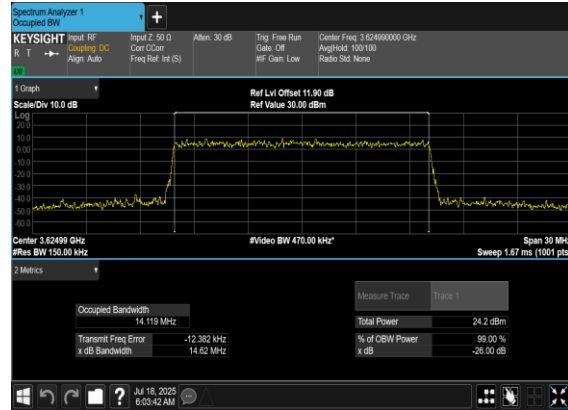




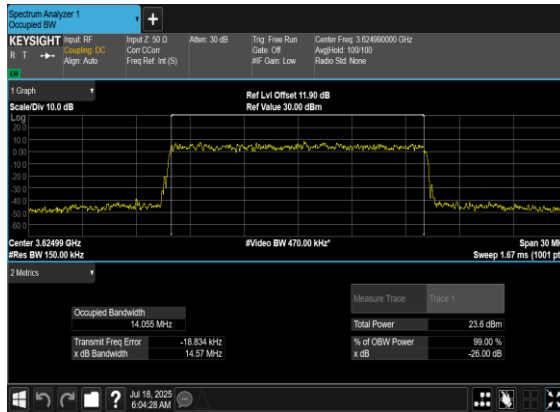
N48(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N48(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N48(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N48(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

