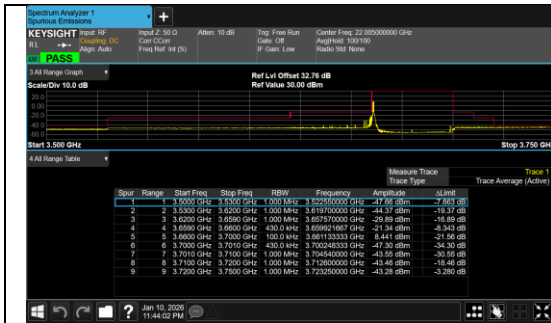
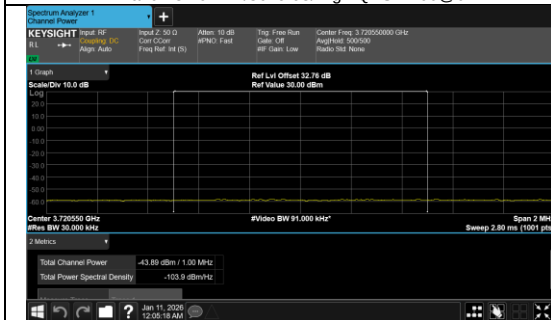




Conducted Band Edge
Band 48 40MHz/3679.98/High 16QAM 1@105



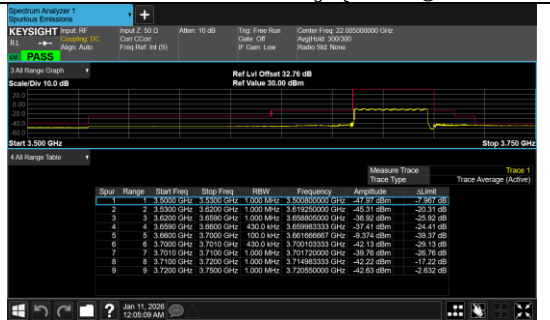
Conducted Band Edge CHP Range9 PASS
Band 48 40MHz/3679.98/High QPSK 100@0



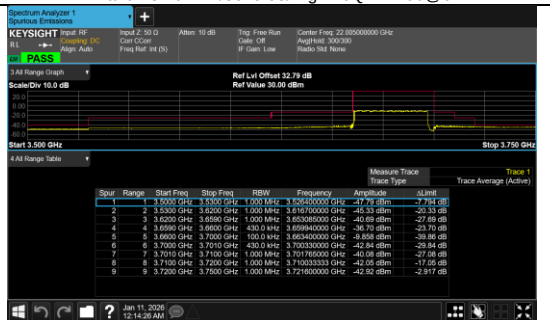
Conducted Band Edge CHP Range9 PASS
Band 48 40MHz/3679.98/High 16QAM 100@0



Conducted Band Edge
Band 48 40MHz/3679.98/High QPSK 100@0



Conducted Band Edge
Band 48 40MHz/3679.98/High 16QAM 100@0



Conducted Band Edge CHP Range9 PASS
Band 48 40MHz/3679.98/High 16QAM 100@0





Software Version: 23.06.1602

FR1 N48 MIMO-ANT8

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0081	PASS	NV
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0057	PASS	LV
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0024	PASS	HV
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0000	PASS	-30℃
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0045	PASS	-20℃
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0007	PASS	-10℃
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0002	PASS	0℃
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0026	PASS	10℃
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0011	PASS	20℃
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0056	PASS	30℃
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0065	PASS	40℃
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0030	PASS	50℃



Peak to Average Ratio

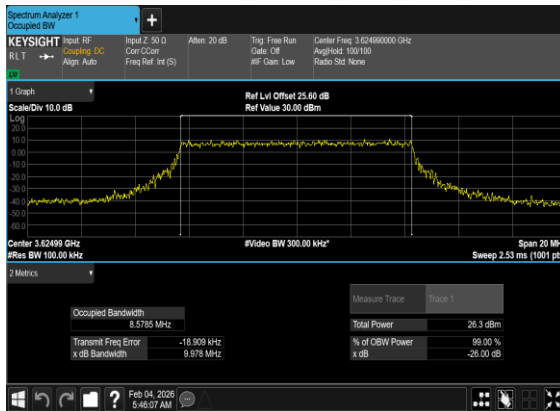
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	8.04	13	PASS
48	30	20	641666	3624.99	CP-OFDM QPSK	1@0	7.06	13	PASS
48	30	20	641666	3624.99	CP-OFDM 16 QAM	51@0	6.49	13	PASS
48	30	20	641666	3624.99	CP-OFDM 16 QAM	1@0	7.0	13	PASS

**Occupied Bandwidth**

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
48	30	10	641666	3624.99	CP-OFDM QPSK	24@0	8.5785	9.978
48	30	10	641666	3624.99	CP-OFDM 16 QAM	24@0	8.5923	9.505
48	30	15	641666	3624.99	CP-OFDM QPSK	38@0	13.545	14.97
48	30	15	641666	3624.99	CP-OFDM 16 QAM	38@0	13.6	14.88
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	18.235	19.51
48	30	20	641666	3624.99	CP-OFDM 16 QAM	51@0	18.22	18.94
48	30	30	641666	3624.99	CP-OFDM QPSK	78@0	27.911	29.12
48	30	30	641666	3624.99	CP-OFDM 16 QAM	78@0	27.819	28.97
48	30	40	641666	3624.99	CP-OFDM QPSK	106@0	37.98	39.39
48	30	40	641666	3624.99	CP-OFDM 16 QAM	106@0	37.858	39.11



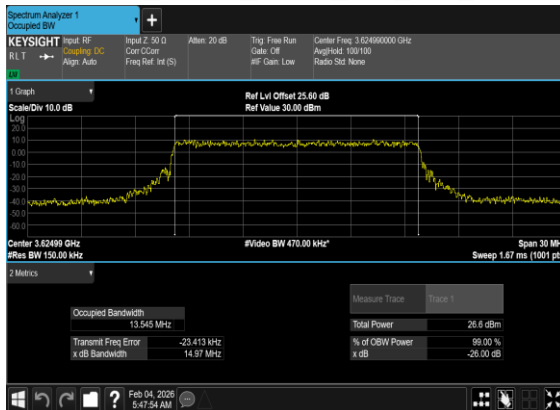
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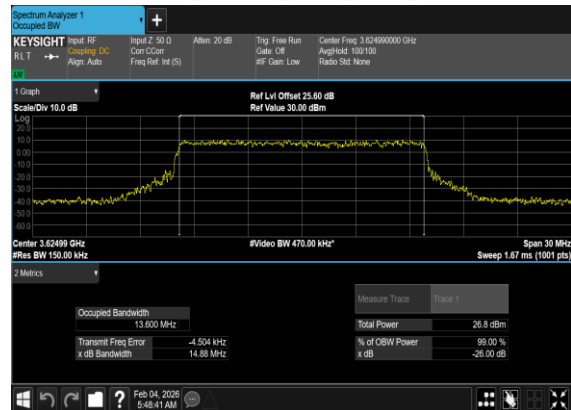
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QAM_Outer_Full_Mid_CH



N48(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH

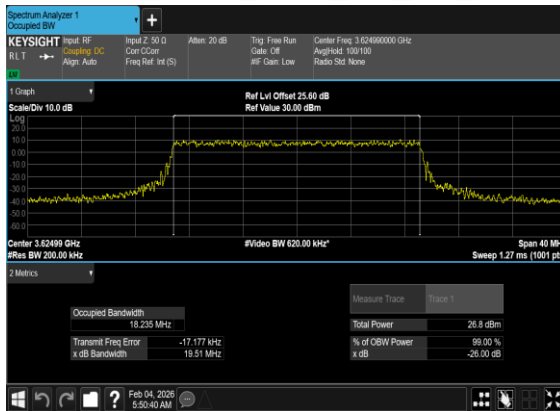


N48(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH

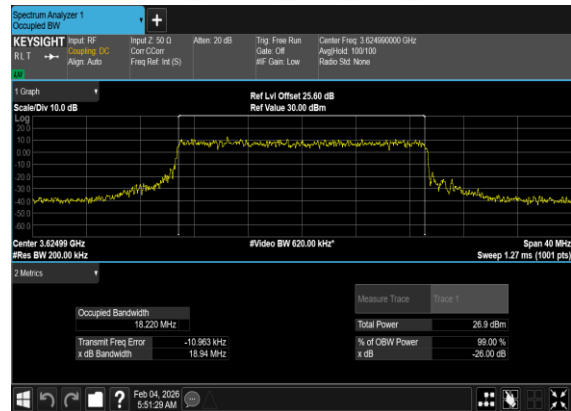




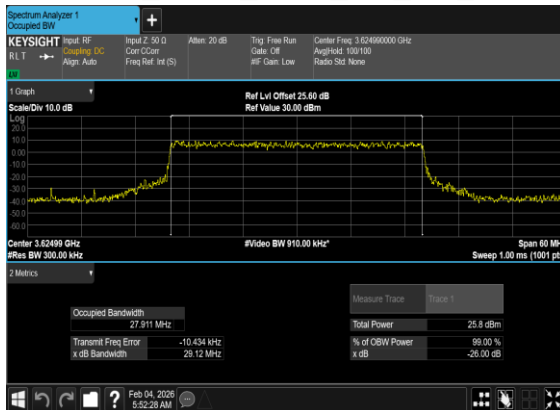
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OFDM_QPSK_Outer_Full_Mid_CH



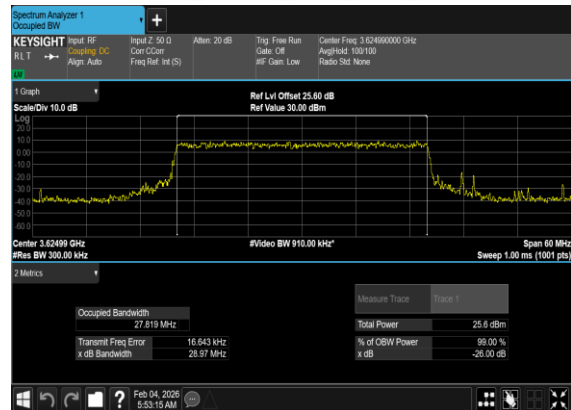
N48(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N48(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N48(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH

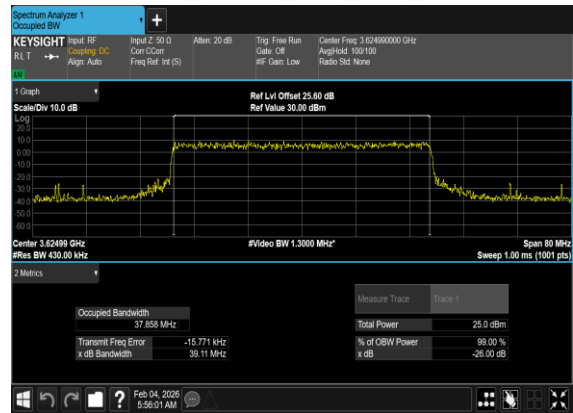




N48(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N48(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH





Adjacent Channel Leakage Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Lower Margin	Upper Margin	Result	Verdict
48	30	10	637000	3555.0	CP-OFDM QPSK	1@0	-9.91	-20.33	see graph	PASS
48	30	10	637000	3555.0	CP-OFDM 16 QAM	1@0	-9.58	-20.47	see graph	PASS
48	30	10	637000	3555.0	CP-OFDM QPSK	1@23	-20.53	-11.74	see graph	PASS
48	30	10	637000	3555.0	CP-OFDM 16 QAM	1@23	-20.59	-11.66	see graph	PASS
48	30	10	637000	3555.0	CP-OFDM QPSK	24@0	-11.98	-12.62	see graph	PASS
48	30	10	637000	3555.0	CP-OFDM 16 QAM	24@0	-11.33	-11.54	see graph	PASS
48	30	10	641666	3624.99	CP-OFDM QPSK	1@0	-10.59	-17.57	see graph	PASS
48	30	10	641666	3624.99	CP-OFDM 16 QAM	1@0	-9.28	-17.39	see graph	PASS
48	30	10	641666	3624.99	CP-OFDM QPSK	1@23	-17.13	-10.86	see graph	PASS
48	30	10	641666	3624.99	CP-OFDM 16 QAM	1@23	-17.68	-11.16	see graph	PASS
48	30	10	641666	3624.99	CP-OFDM QPSK	24@0	-11.34	-11.6	see graph	PASS
48	30	10	641666	3624.99	CP-OFDM 16 QAM	24@0	-10.63	-11.37	see graph	PASS
48	30	10	646332	3694.98	CP-OFDM QPSK	1@0	-9.22	-16.36	see graph	PASS
48	30	10	646332	3694.98	CP-OFDM 16 QAM	1@0	-8.37	-16.25	see graph	PASS
48	30	10	646332	3694.98	CP-OFDM QPSK	1@23	-17.48	-12.03	see graph	PASS
48	30	10	646332	3694.98	CP-OFDM 16 QAM	1@23	-17.04	-10.82	see graph	PASS
48	30	10	646332	3694.98	CP-OFDM QPSK	24@0	-11.09	-11.63	see graph	PASS
48	30	10	646332	3694.98	CP-OFDM 16 QAM	24@0	-11.05	-10.99	see graph	PASS
48	30	15	637168	3557.52	CP-OFDM QPSK	1@0	-7.18	-15.62	see graph	PASS
48	30	15	637168	3557.52	CP-OFDM 16 QAM	1@0	-6.64	-15.91	see graph	PASS
48	30	15	637168	3557.52	CP-OFDM QPSK	1@37	-18.58	-8.73	see graph	PASS
48	30	15	637168	3557.52	CP-OFDM 16 QAM	1@37	-19.54	-9.58	see graph	PASS
48	30	15	637168	3557.52	CP-OFDM QPSK	38@0	-11.99	-12.22	see graph	PASS
48	30	15	637168	3557.52	CP-OFDM 16 QAM	38@0	-11.09	-11.96	see graph	PASS
48	30	15	641666	3624.99	CP-OFDM QPSK	1@0	-7.59	-16.47	see graph	PASS
48	30	15	641666	3624.99	CP-OFDM 16 QAM	1@0	-8.07	-15.59	see graph	PASS
48	30	15	641666	3624.99	CP-OFDM QPSK	1@37	-16.37	-8.0	see graph	PASS
48	30	15	641666	3624.99	CP-OFDM 16 QAM	1@37	-17.09	-10.19	see graph	PASS
48	30	15	641666	3624.99	CP-OFDM QPSK	38@0	-11.52	-12.45	see graph	PASS
48	30	15	641666	3624.99	CP-OFDM 16 QAM	38@0	-11.87	-11.12	see graph	PASS
48	30	15	646166	3692.49	CP-OFDM QPSK	1@0	-6.77	-14.83	see graph	PASS



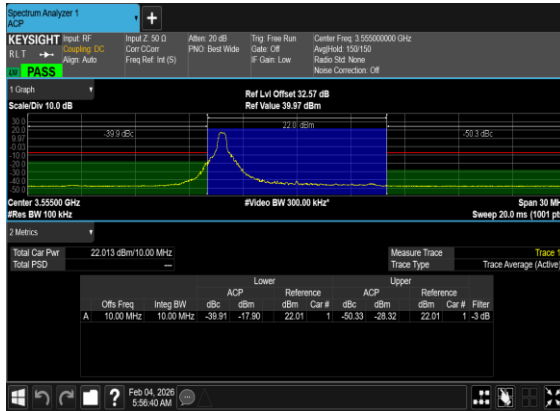
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48	30	15	646166	3692.49	CP-OFDM QPSK	1@37	-12.5	-7.5	see graph	PASS
48	30	15	646166	3692.49	CP-OFDM 16 QAM	1@37	-12.48	-7.33	see graph	PASS
48	30	15	646166	3692.49	CP-OFDM QPSK	38@0	-10.38	-10.15	see graph	PASS
48	30	15	646166	3692.49	CP-OFDM 16 QAM	38@0	-9.8	-9.83	see graph	PASS
48	30	20	637334	3560.01	CP-OFDM QPSK	1@0	-9.96	-14.01	see graph	PASS
48	30	20	637334	3560.01	CP-OFDM 16 QAM	1@0	-9.94	-14.16	see graph	PASS
48	30	20	637334	3560.01	CP-OFDM QPSK	1@50	-18.44	-12.1	see graph	PASS
48	30	20	637334	3560.01	CP-OFDM 16 QAM	1@50	-17.58	-11.86	see graph	PASS
48	30	20	637334	3560.01	CP-OFDM QPSK	51@0	-11.82	-11.68	see graph	PASS
48	30	20	637334	3560.01	CP-OFDM 16 QAM	51@0	-12.02	-11.62	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM QPSK	1@0	-10.49	-14.31	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM 16 QAM	1@0	-9.26	-13.86	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM QPSK	1@50	-14.42	-10.67	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM 16 QAM	1@50	-14.57	-10.37	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	-11.58	-11.67	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM 16 QAM	51@0	-11.2	-11.27	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM QPSK	1@0	-9.8	-13.91	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM 16 QAM	1@0	-9.11	-13.48	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM QPSK	1@50	-11.44	-9.14	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM 16 QAM	1@50	-11.67	-9.12	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM QPSK	51@0	-9.85	-9.61	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM 16 QAM	51@0	-9.49	-9.14	see graph	PASS
48	30	30	637668	3565.02	CP-OFDM QPSK	1@0	-4.7	-4.84	see graph	PASS
48	30	30	637668	3565.02	CP-OFDM 16 QAM	1@0	-4.45	-4.79	see graph	PASS
48	30	30	637668	3565.02	CP-OFDM QPSK	1@77	-5.4	-4.75	see graph	PASS
48	30	30	637668	3565.02	CP-OFDM 16 QAM	1@77	-4.85	-4.09	see graph	PASS
48	30	30	637668	3565.02	CP-OFDM QPSK	78@0	-4.71	-4.39	see graph	PASS
48	30	30	637668	3565.02	CP-OFDM 16 QAM	78@0	-4.86	-4.44	see graph	PASS
48	30	30	641666	3624.99	CP-OFDM QPSK	1@0	-9.97	-11.42	see graph	PASS
48	30	30	641666	3624.99	CP-OFDM 16 QAM	1@0	-9.35	-11.1	see graph	PASS
48	30	30	641666	3624.99	CP-OFDM QPSK	1@77	-12.62	-10.94	see graph	PASS
48	30	30	641666	3624.99	CP-OFDM 16 QAM	1@77	-12.13	-9.91	see graph	PASS
48	30	30	641666	3624.99	CP-OFDM QPSK	78@0	-9.36	-8.94	see graph	PASS



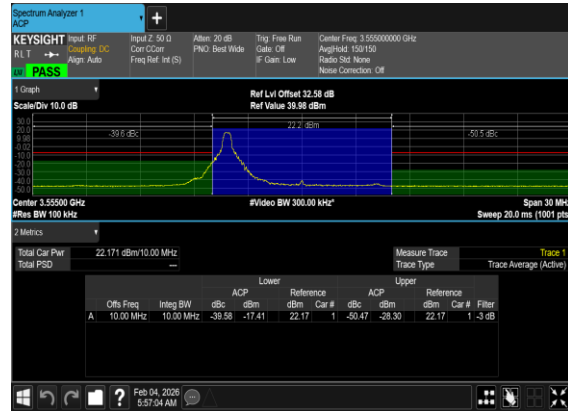
48	30	30	641666	3624.99	CP-OFDM 16 QAM	78@0	-9.55	-9.27	see graph	PASS
48	30	30	645666	3684.99	CP-OFDM QPSK	1@0	-4.38	-4.09	see graph	PASS
48	30	30	645666	3684.99	CP-OFDM 16 QAM	1@0	-3.74	-3.54	see graph	PASS
48	30	30	645666	3684.99	CP-OFDM QPSK	1@77	-3.51	-2.49	see graph	PASS
48	30	30	645666	3684.99	CP-OFDM 16 QAM	1@77	-3.73	-2.65	see graph	PASS
48	30	30	645666	3684.99	CP-OFDM QPSK	78@0	-4.17	-3.43	see graph	PASS
48	30	30	645666	3684.99	CP-OFDM 16 QAM	78@0	-4.2	-3.43	see graph	PASS
48	30	40	638000	3570.0	CP-OFDM QPSK	1@0	-3.67	-3.51	see graph	PASS
48	30	40	638000	3570.0	CP-OFDM 16 QAM	1@0	-2.83	-2.79	see graph	PASS
48	30	40	638000	3570.0	CP-OFDM QPSK	1@105	-3.32	-2.46	see graph	PASS
48	30	40	638000	3570.0	CP-OFDM 16 QAM	1@105	-3.9	-3.04	see graph	PASS
48	30	40	638000	3570.0	CP-OFDM QPSK	106@0	-3.58	-3.11	see graph	PASS
48	30	40	638000	3570.0	CP-OFDM 16 QAM	106@0	-3.58	-3.1	see graph	PASS
48	30	40	641666	3570.0	CP-OFDM QPSK	1@0	-3.11	-3.18	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM 16 QAM	1@0	-8.65	-9.85	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM QPSK	1@105	-10.83	-8.94	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM 16 QAM	1@105	-10.43	-8.16	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM QPSK	106@0	-8.79	-8.23	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM 16 QAM	106@0	-8.71	-8.17	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM QPSK	1@0	-2.86	-2.17	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM 16 QAM	1@0	-2.61	-2.0	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM QPSK	1@105	-3.71	-2.47	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM 16 QAM	1@105	-3.18	-1.89	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM QPSK	106@0	-3.09	-2.19	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM 16 QAM	106@0	-3.08	-2.19	see graph	PASS



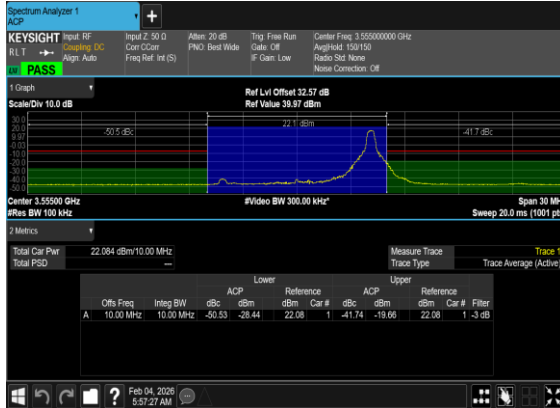
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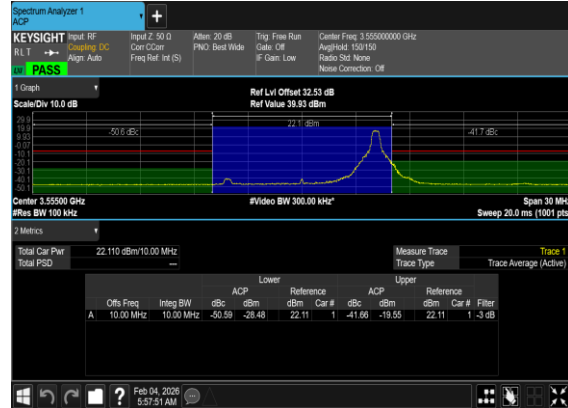
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N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH

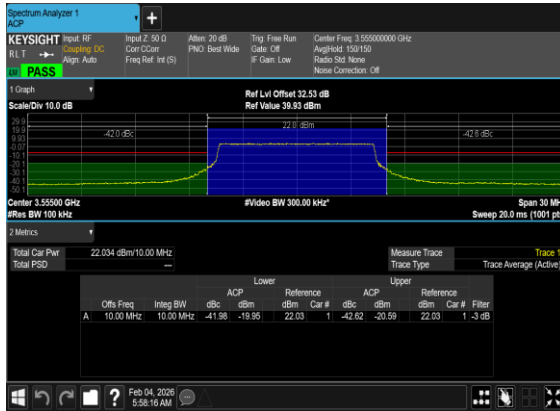


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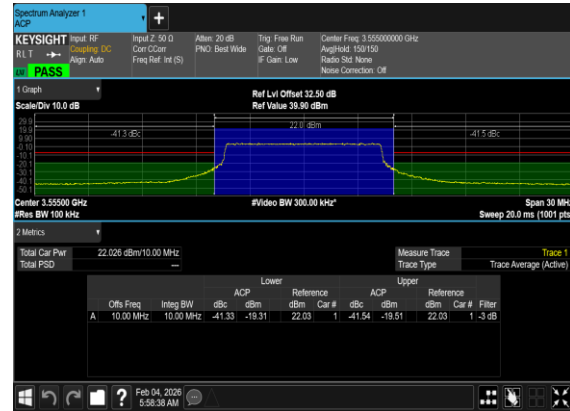




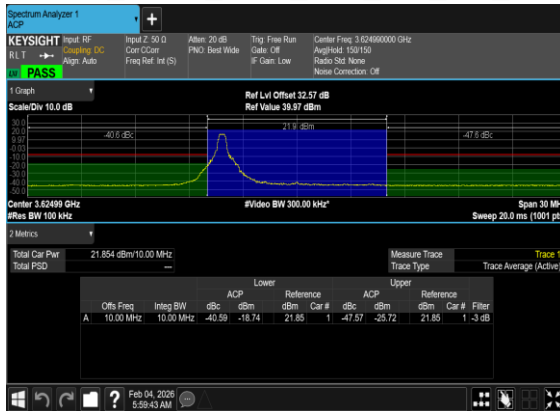
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OFDM_QPSK_Outer_Full_Low_CH



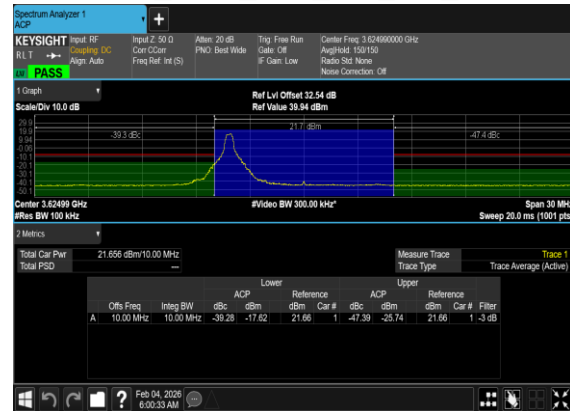
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QAM_Outer_Full_Low_CH



N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

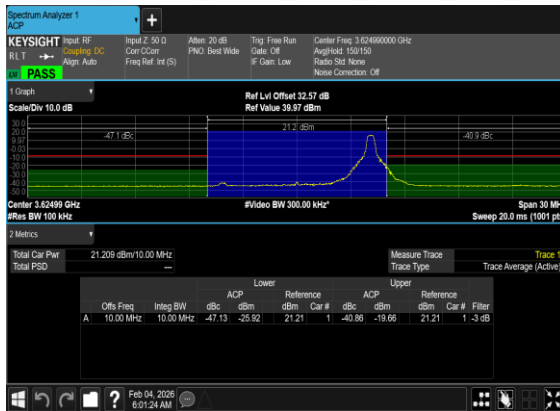


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QAM_Edge_1RB_Left_Mid_CH

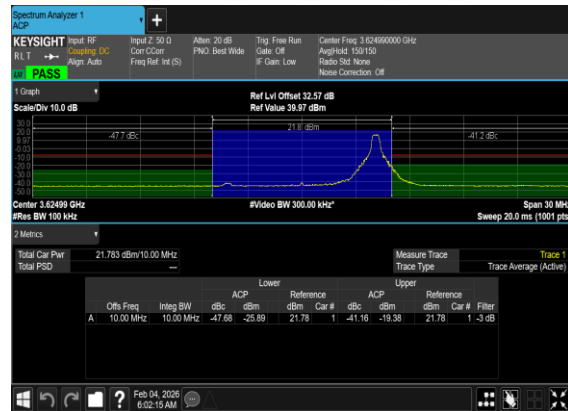




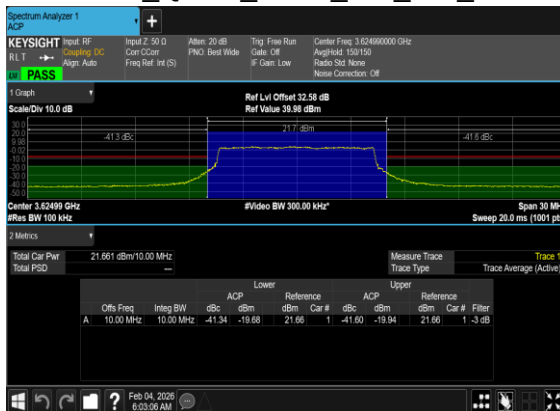
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OFDM_QPSK_Edge_1RB_Right_Mid_CH



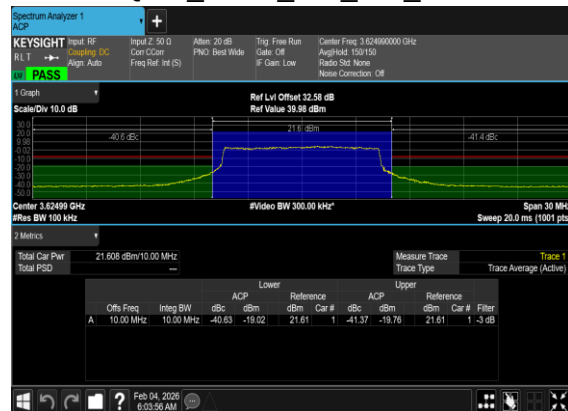
N48(10M)_CP-OFDM_16
QAM_Edge_1RB_Right_Mid_CH



N48(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH

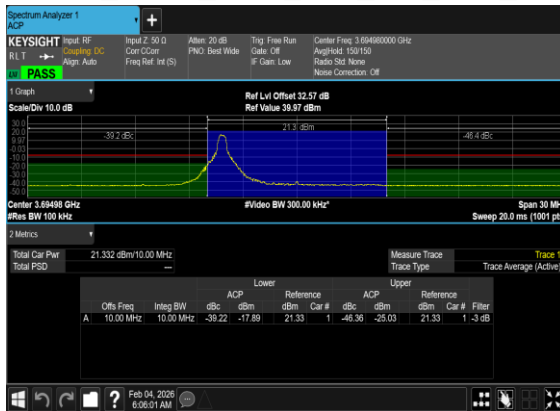


N48(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH

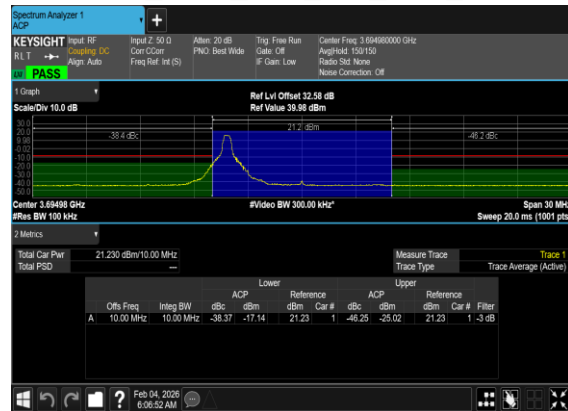




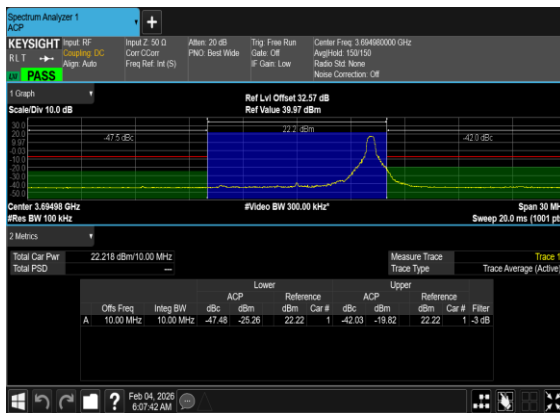
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OFDM_QPSK_Edge_1RB_Left_High_CH



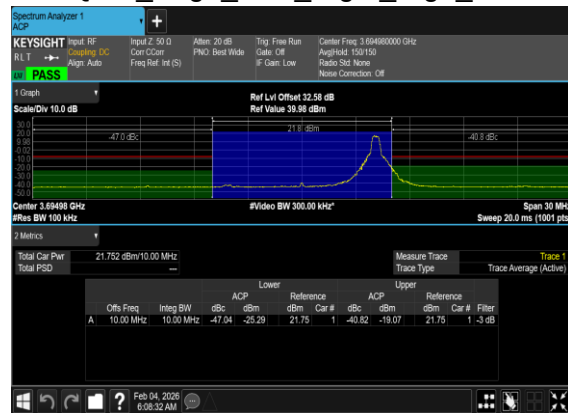
N48(10M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH



N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_C
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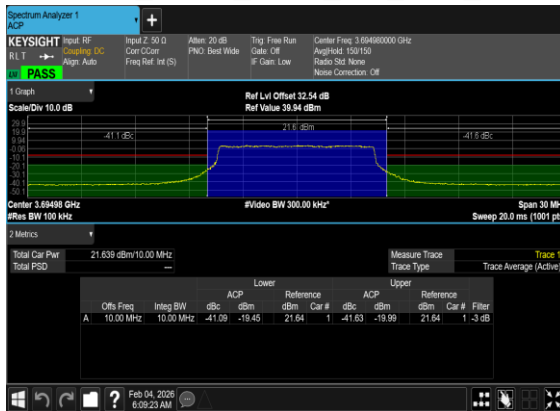


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QAM_Edge_1RB_Right_High_CH

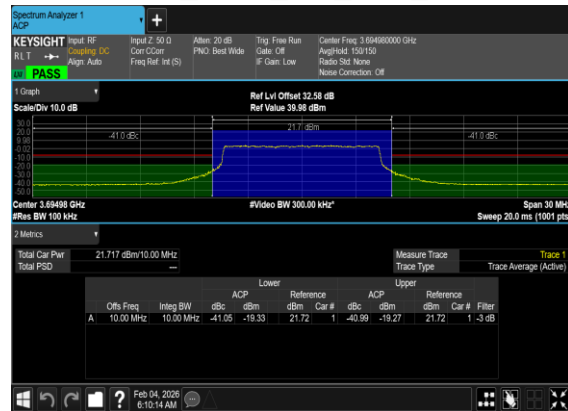




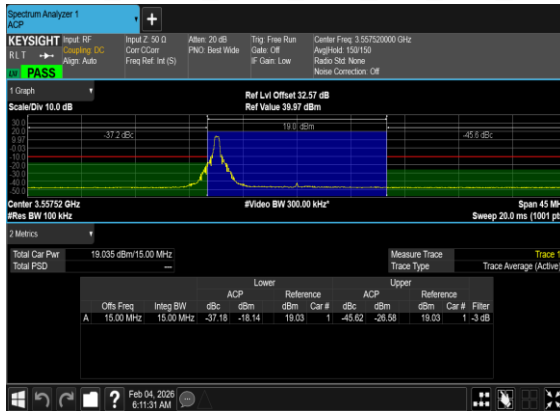
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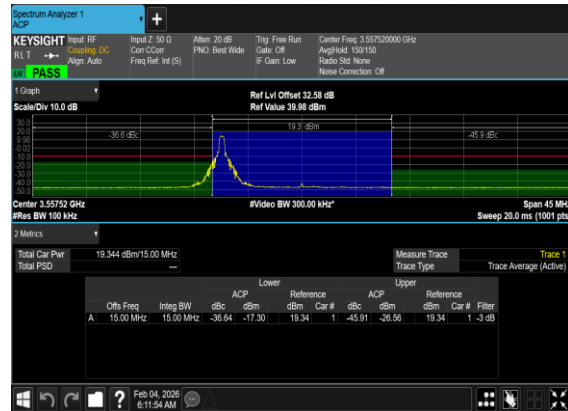
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QAM_Outer_Full_High_CH



N48(15M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(15M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH





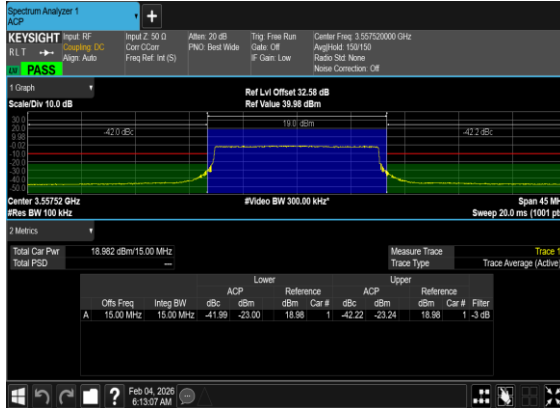
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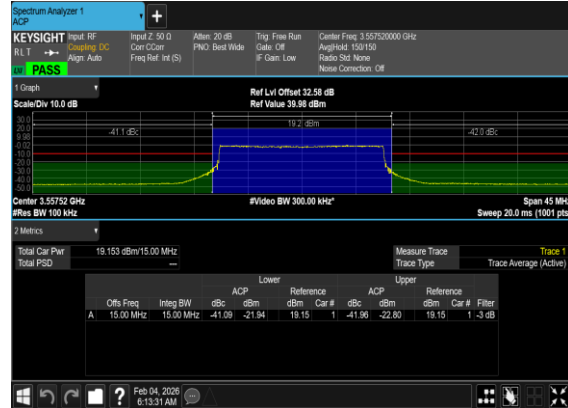
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QAM_Edge_1RB_Right_Low_CH



N48(15M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

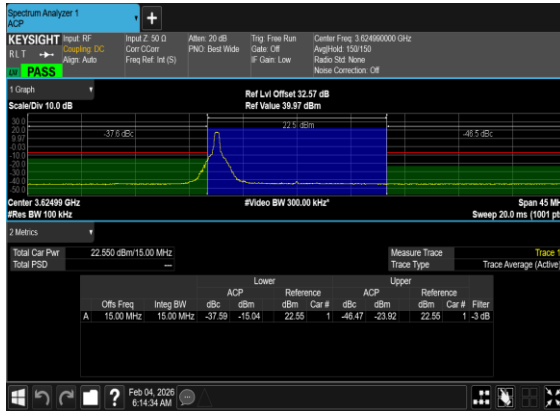


N48(15M)_CP-OFDM_16
QAM_Outer_Full_Low_CH





N48(15M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



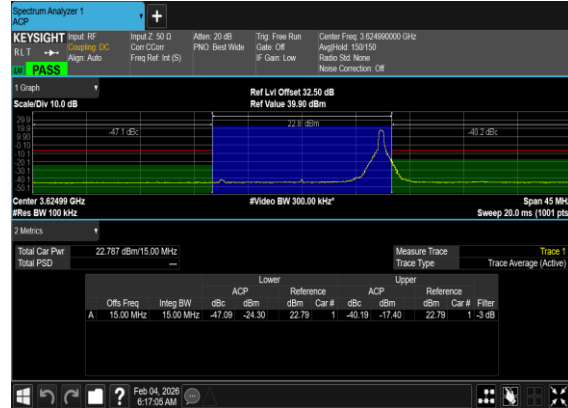
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QAM_Edge_1RB_Left_Mid_CH



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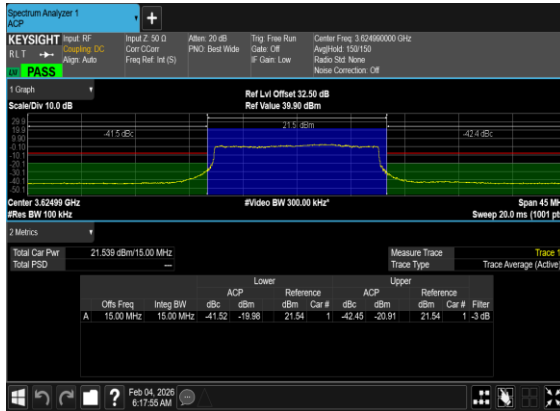


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QAM_Edge_1RB_Right_Mid_CH





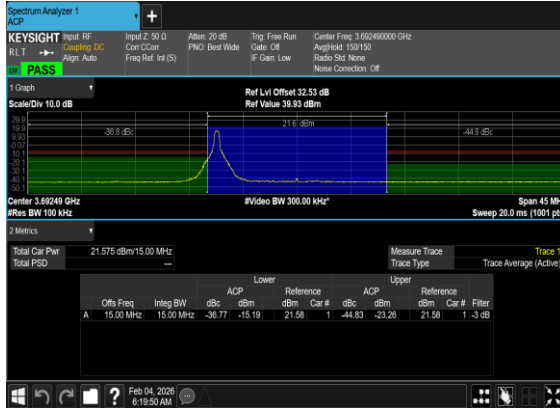
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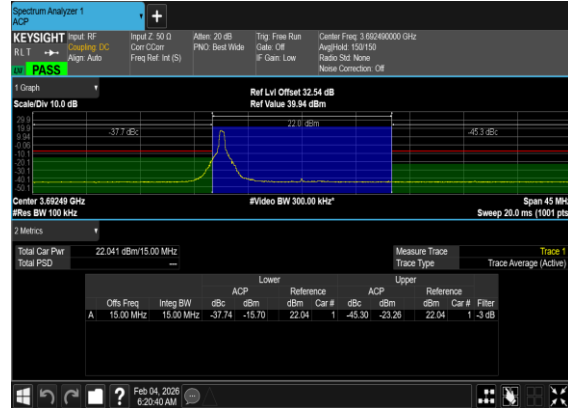
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QAM_Outer_Full_Mid_CH



N48(15M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

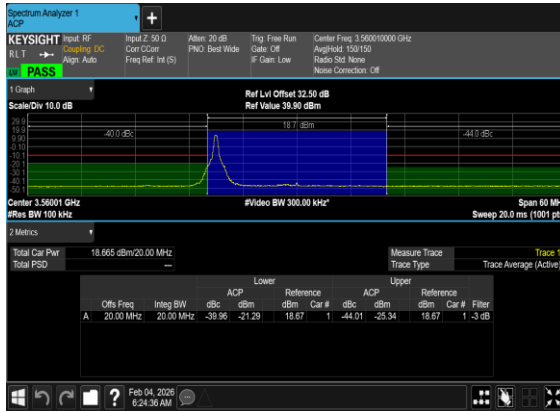


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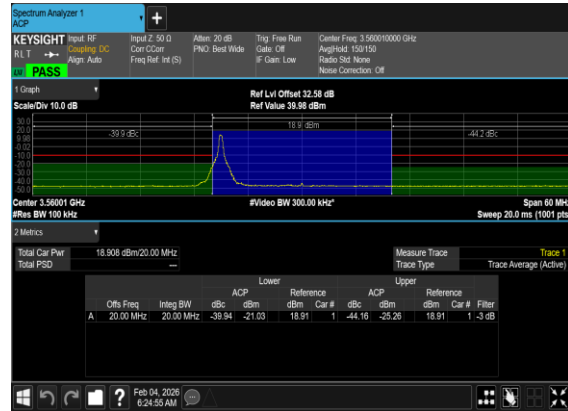




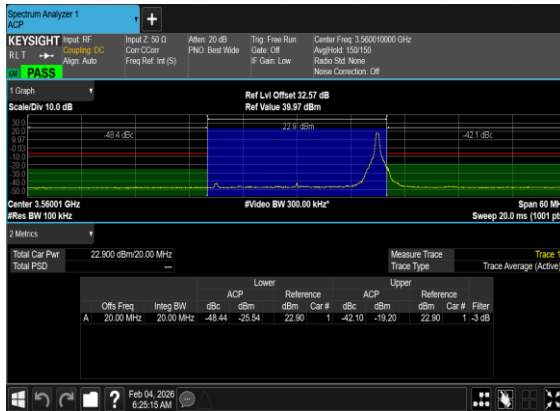
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OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH



N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH

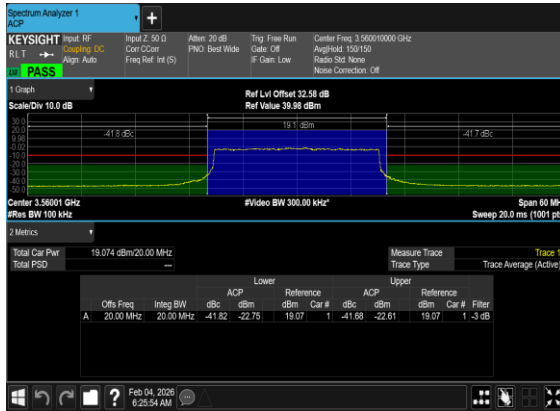


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QAM_Edge_1RB_Right_Low_CH

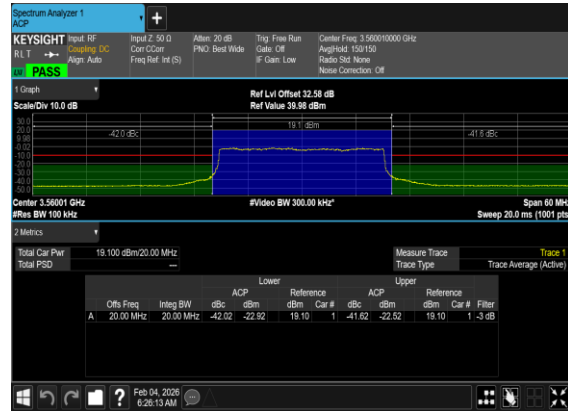




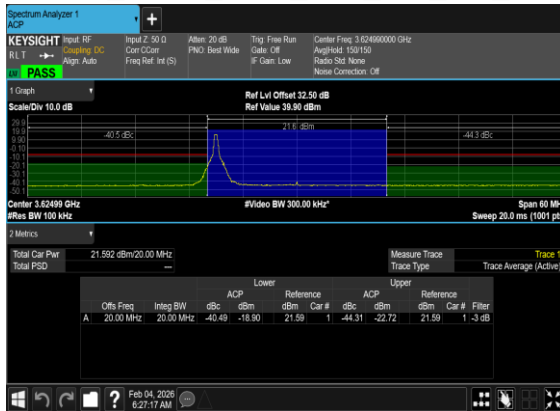
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OFDM_QPSK_Outer_Full_Low_CH



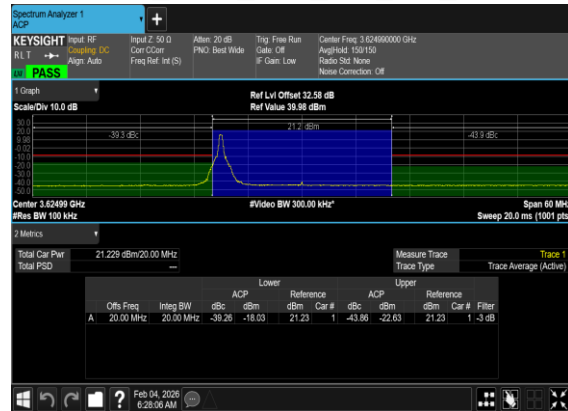
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QAM_Outer_Full_Low_CH



N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH





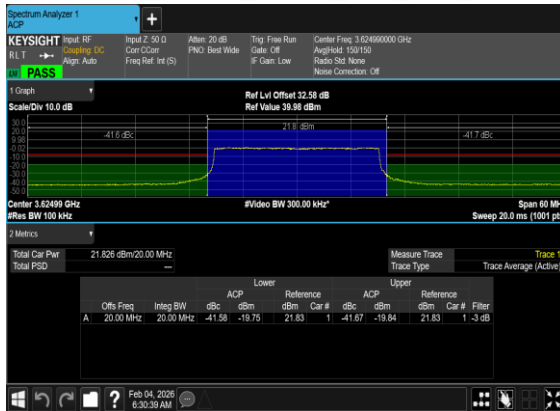
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OFDM_QPSK_Edge_1RB_Right_Mid_CH



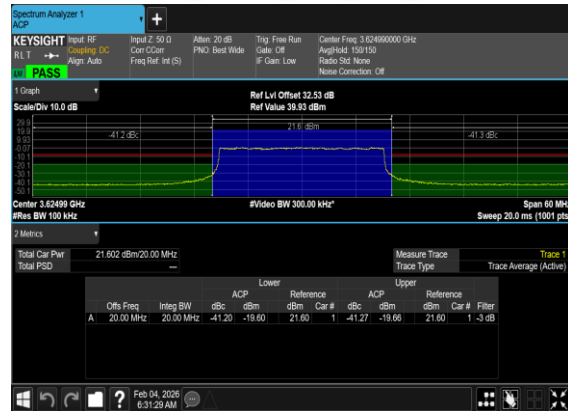
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QAM_Edge_1RB_Right_Mid_CH



N48(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH

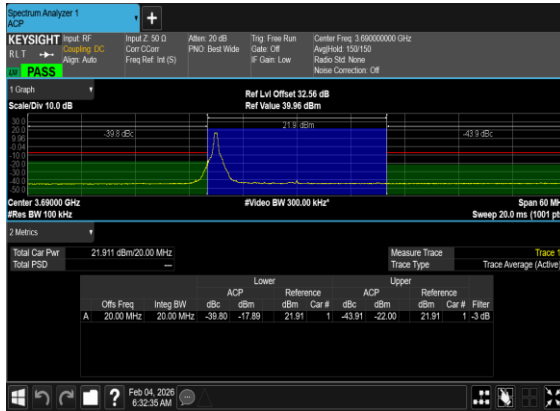


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QAM_Outer_Full_Mid_CH

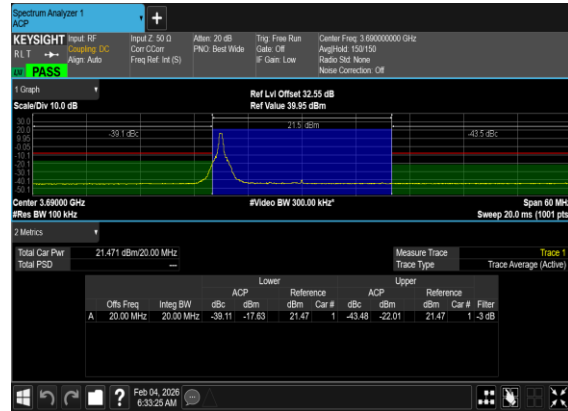




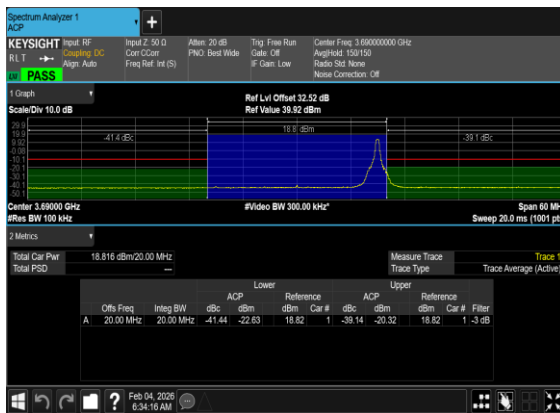
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OFDM_QPSK_Edge_1RB_Left_High_CH



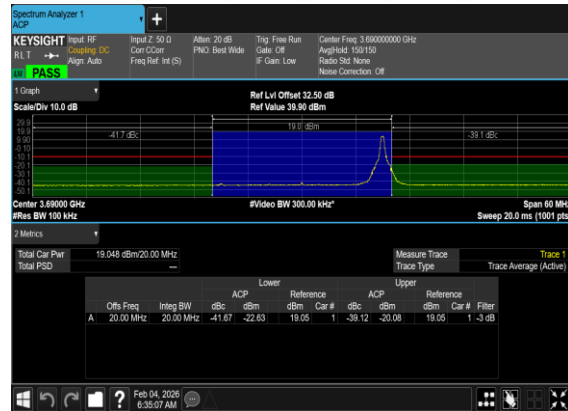
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QAM_Edge_1RB_Left_High_CH



N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_C
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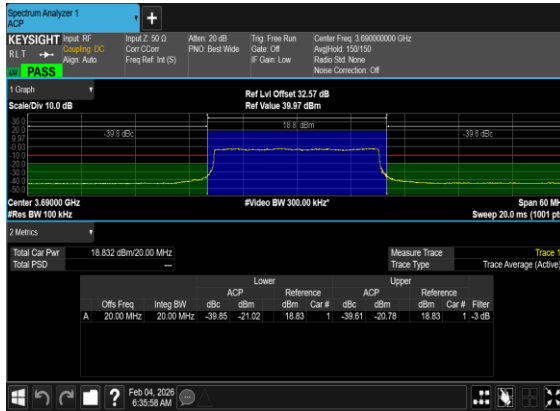


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QAM_Edge_1RB_Right_High_CH





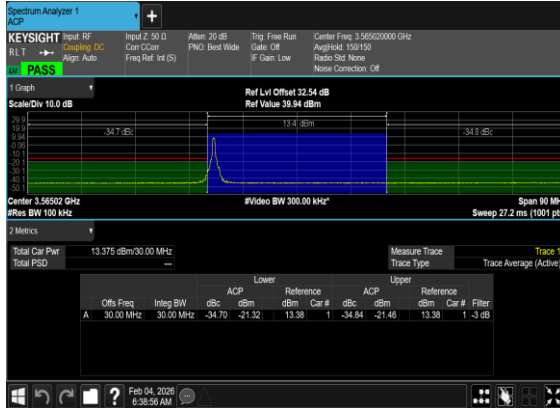
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OFDM_QPSK_Outer_Full_High_CH



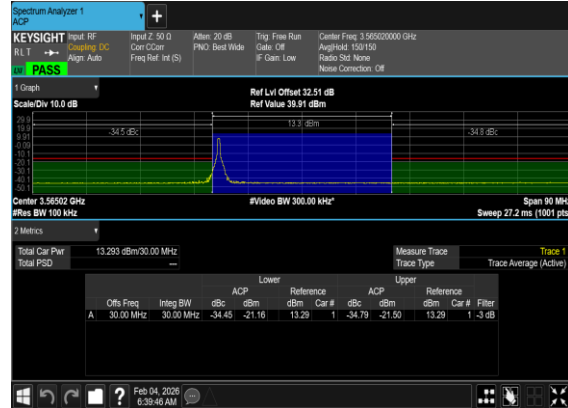
N48(20M)_CP-OFDM_16
QAM_Outer_Full_High_CH



N48(30M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

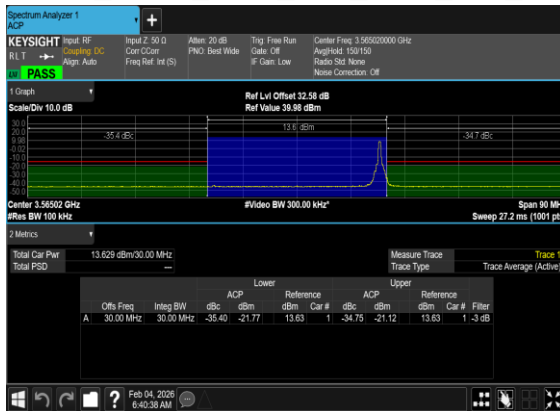


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QAM_Edge_1RB_Left_Low_CH

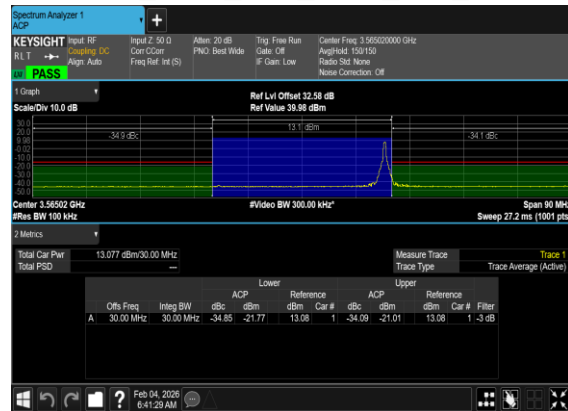




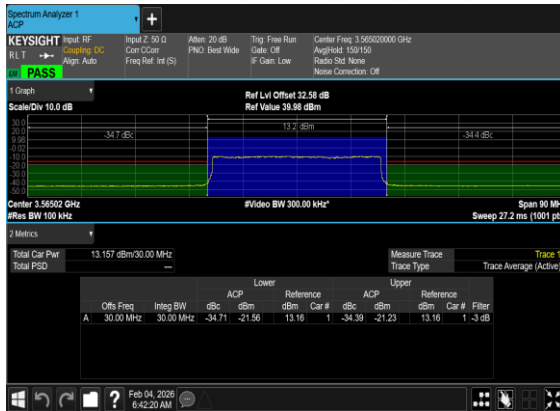
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OFDM_QPSK_Edge_1RB_Right_Low_CH



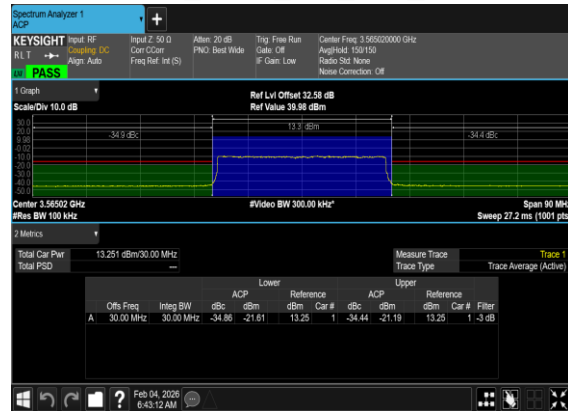
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QAM_Edge_1RB_Right_Low_CH



N48(30M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

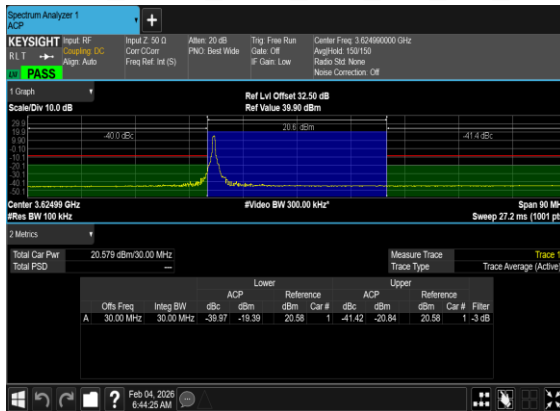


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QAM_Outer_Full_Low_CH

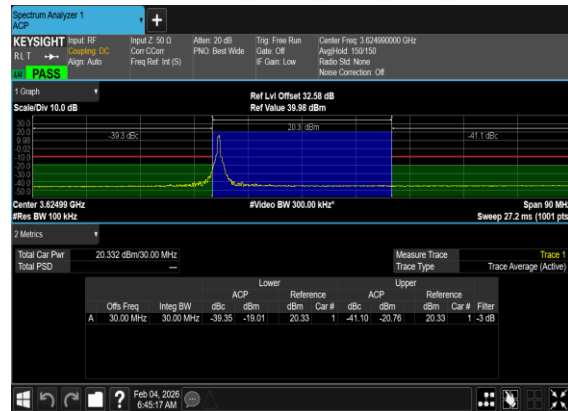




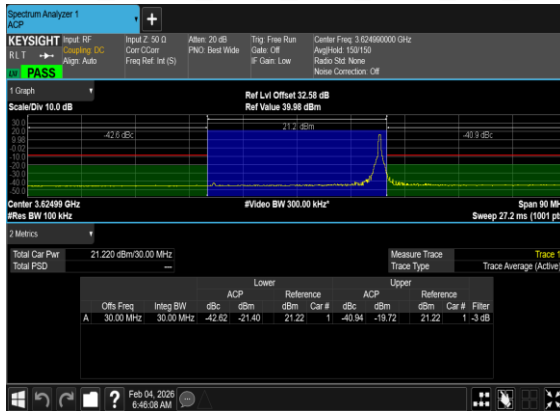
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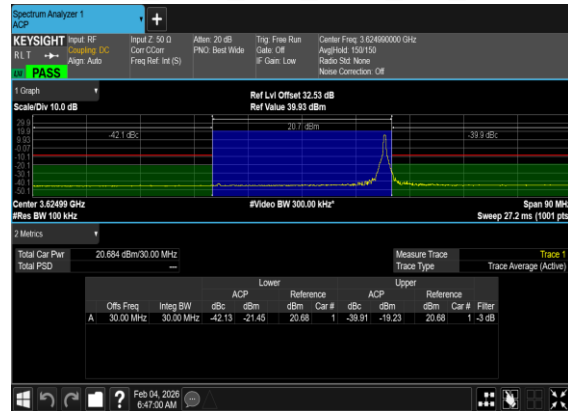
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QAM_Edge_1RB_Left_Mid_CH



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OFDM_QPSK_Edge_1RB_Right_Mid_CH

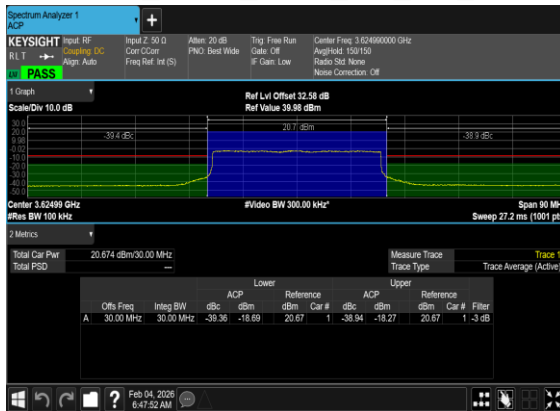


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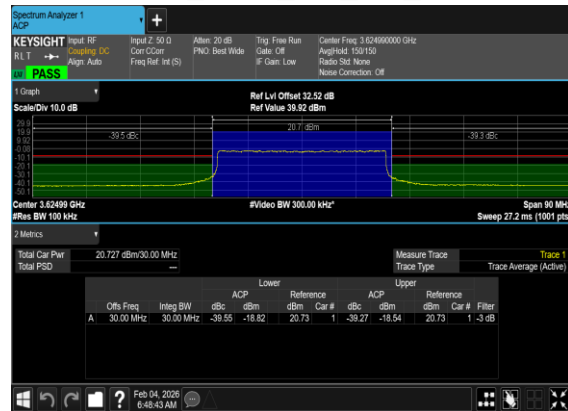




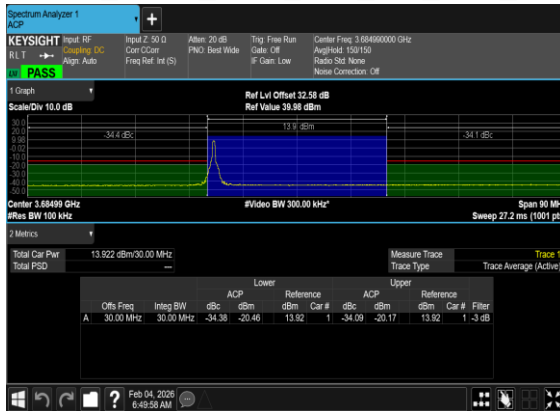
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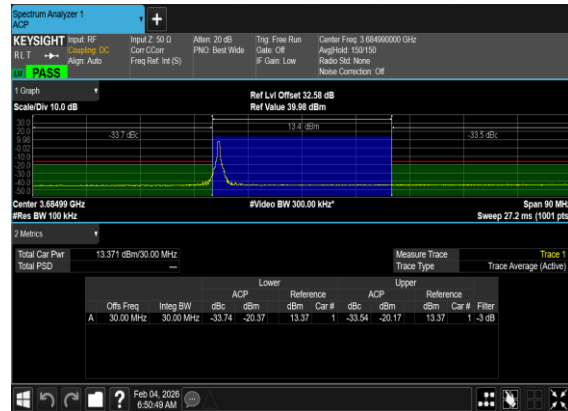
N48(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N48(30M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N48(30M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH

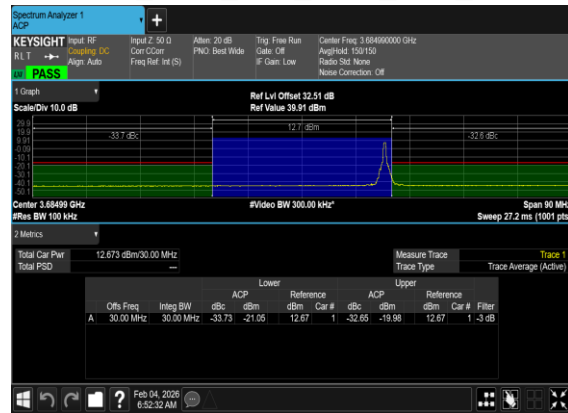




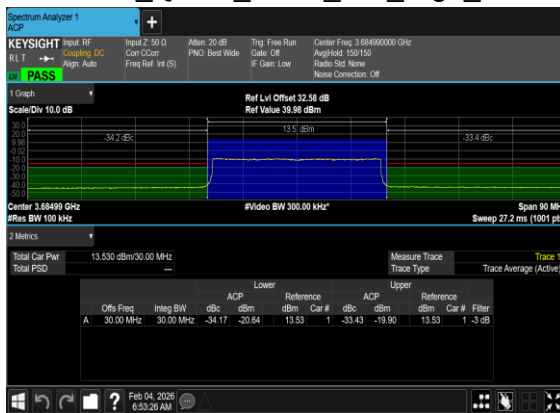
N48(30M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_C
H



N48(30M)_CP-OFDM_16
QAM_Edge_1RB_Right_High_CH



N48(30M)_CP-
OFDM_QPSK_Outer_Full_High_CH



N48(30M)_CP-OFDM_16
QAM_Outer_Full_High_CH

