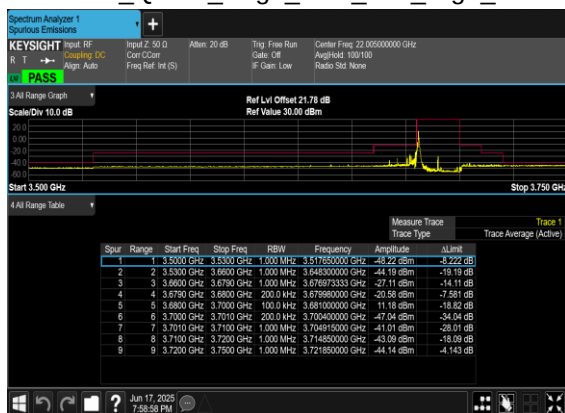
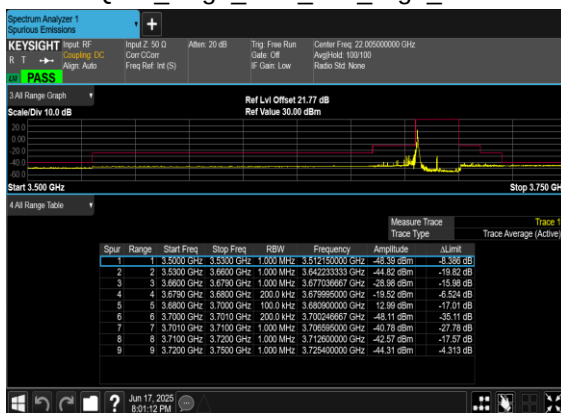




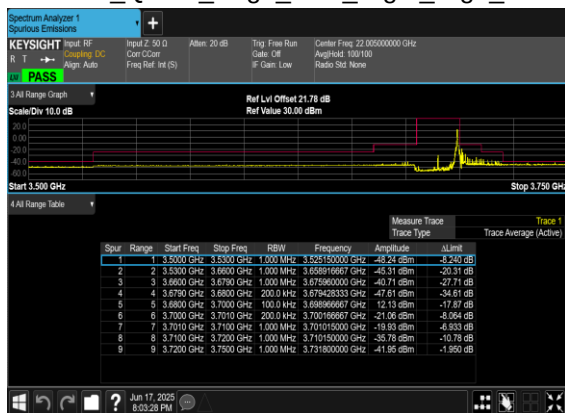
N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



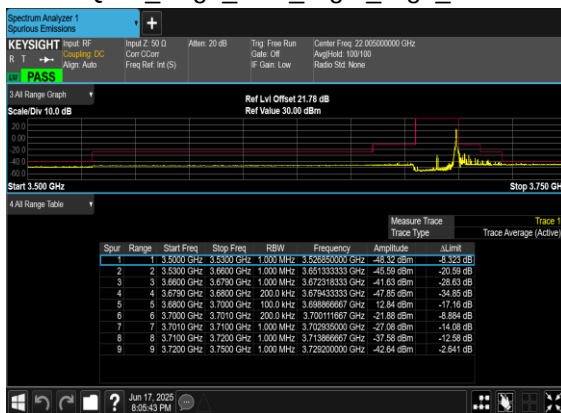
N48(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH



N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH

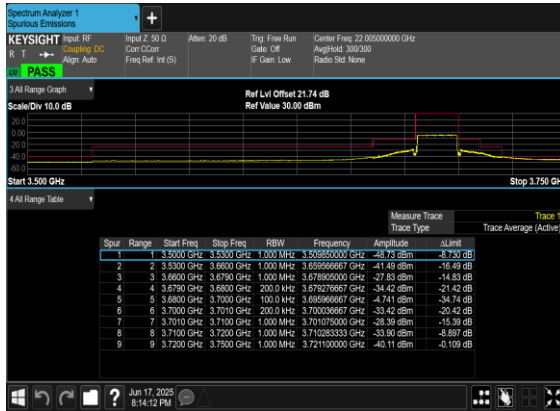


N48(20M)_CP-OFDM_16
QAM_Edge_1RB_Right_High_CH

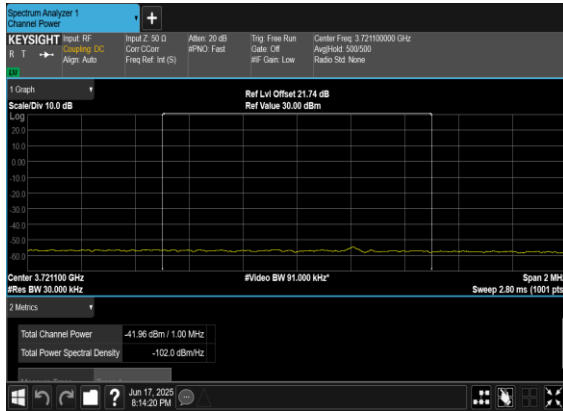




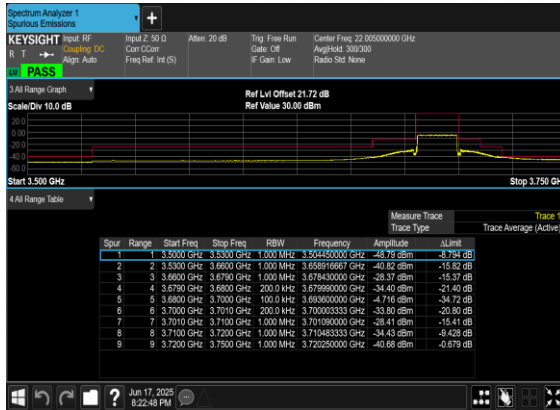
N48(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH



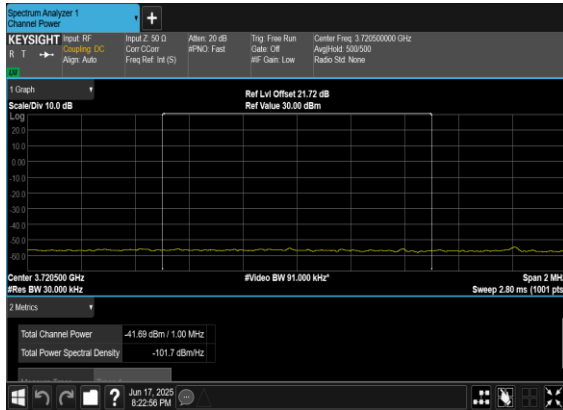
N48(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH_CHP_PASS



N48(20M)_CP-OFDM_16
QAM_Outer_Full_High_CH

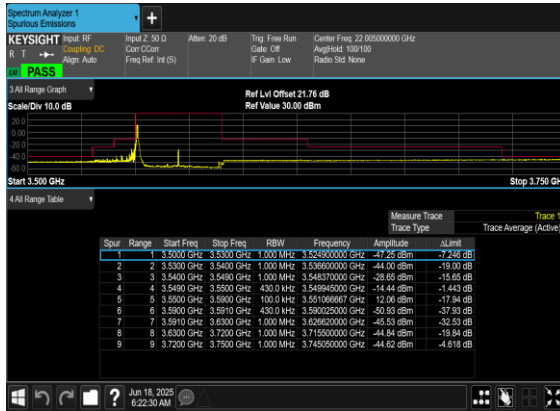


N48(20M)_CP-OFDM_16
QAM_Outer_Full_High_CH_CHP_PASS

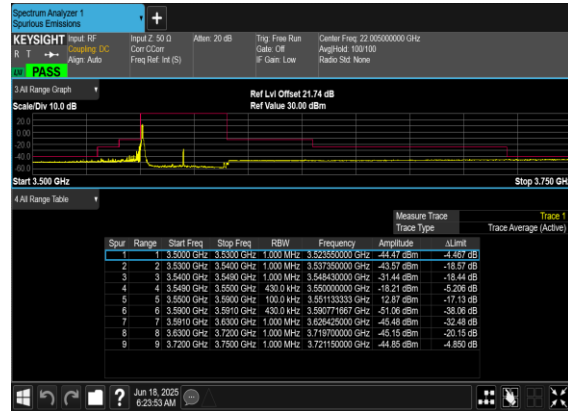




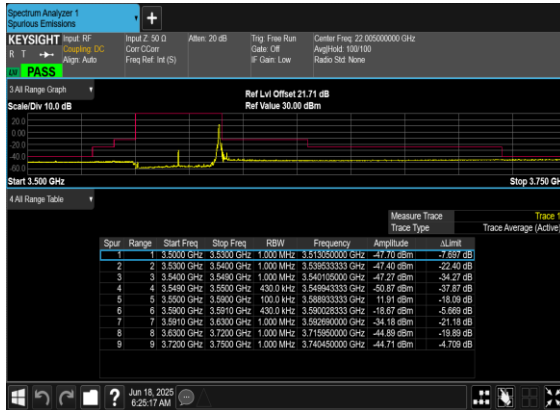
N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



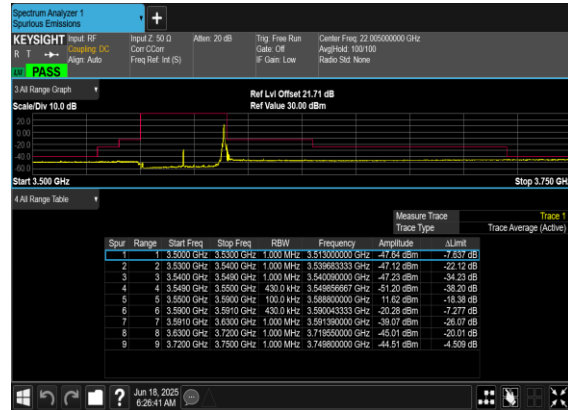
N48(40M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH



N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH

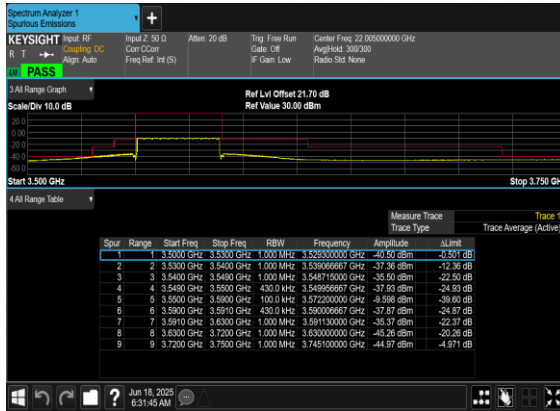


N48(40M)_CP-OFDM_16
QAM_Edge_1RB_Right_Low_CH

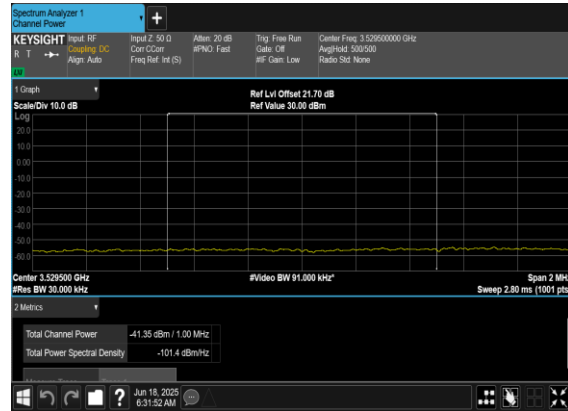




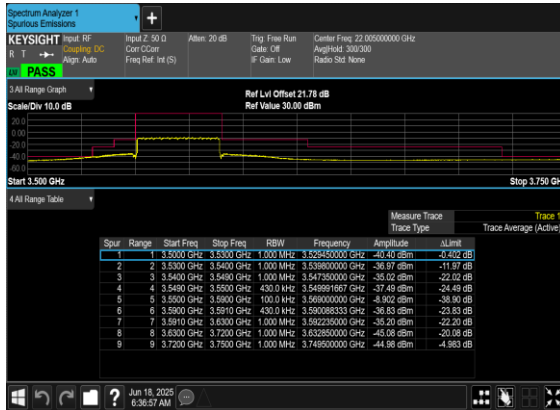
N48(40M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



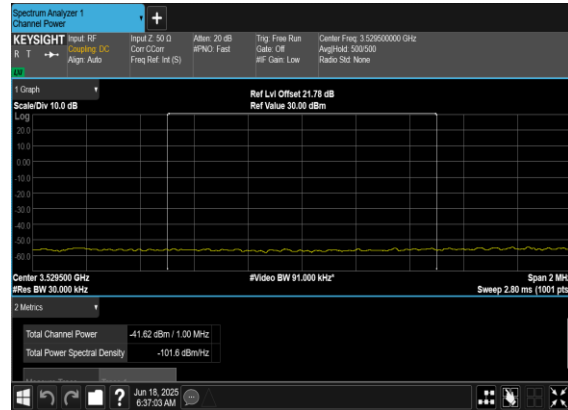
N48(40M)_CP-
OFDM_QPSK_Outer_Full_Low_CH_CHP_PASS



N48(40M)_CP-OFDM_16
QAM_Outer_Full_Low_CH

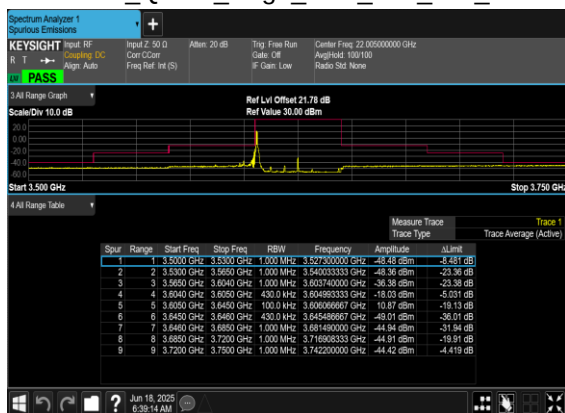


N48(40M)_CP-OFDM_16
QAM_Outer_Full_Low_CH_CHP_PASS

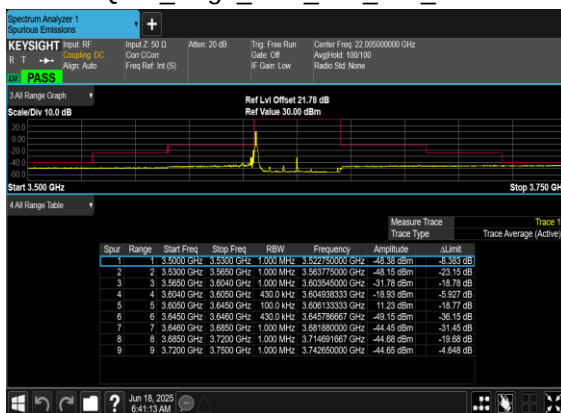




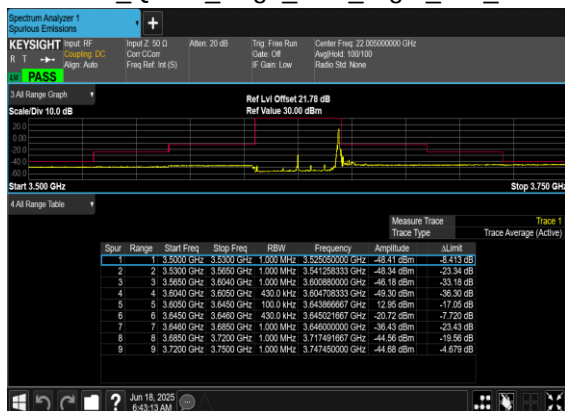
N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



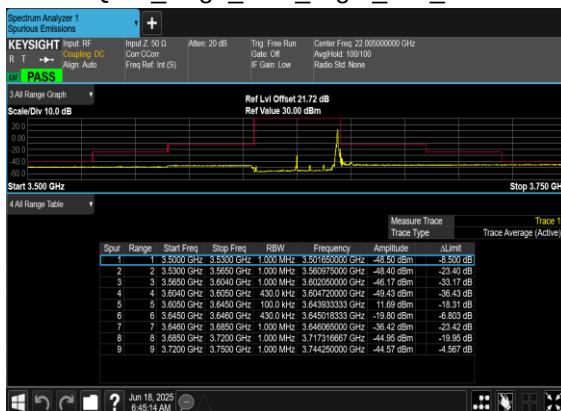
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QAM_Edge_1RB_Left_Mid_CH



N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH

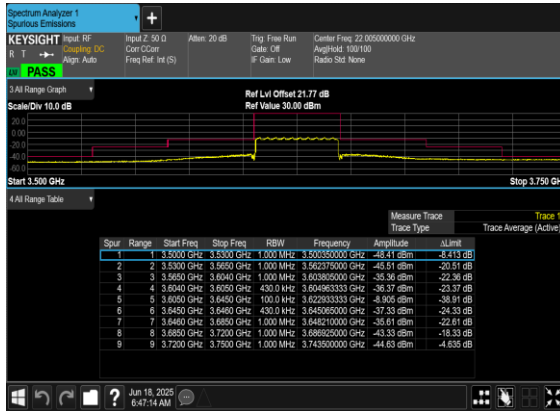


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QAM_Edge_1RB_Right_Mid_CH

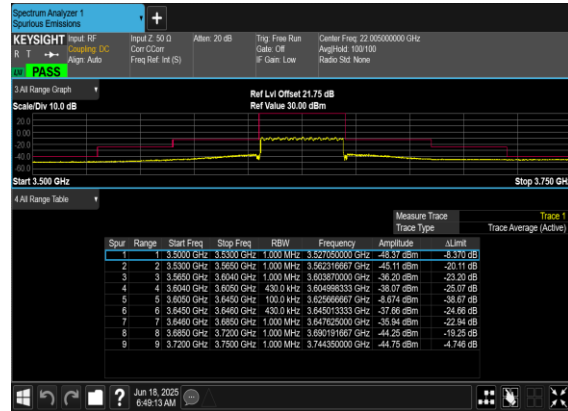




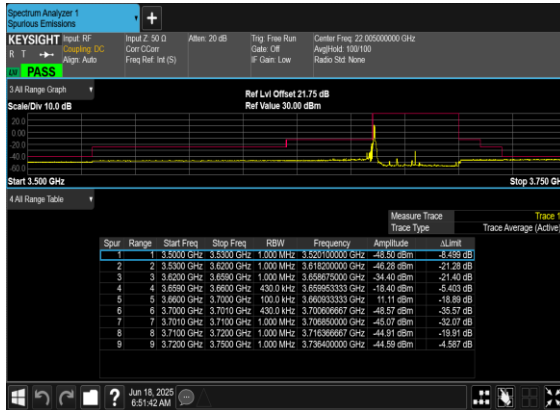
N48(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



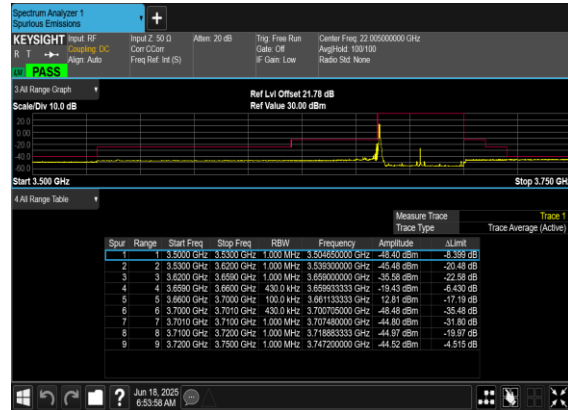
N48(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

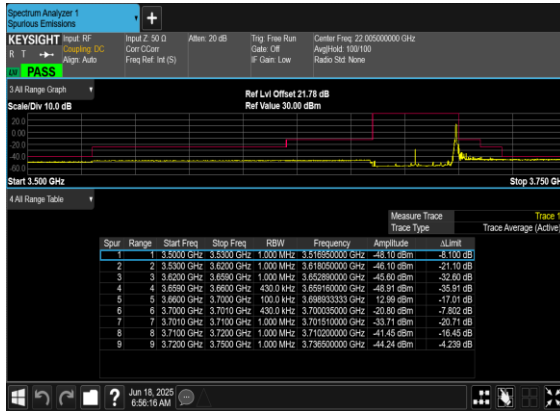


N48(40M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH

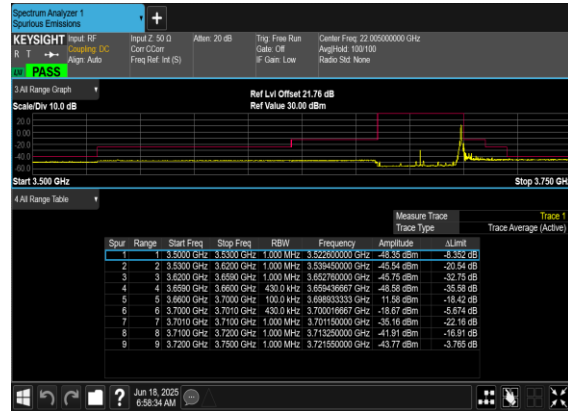




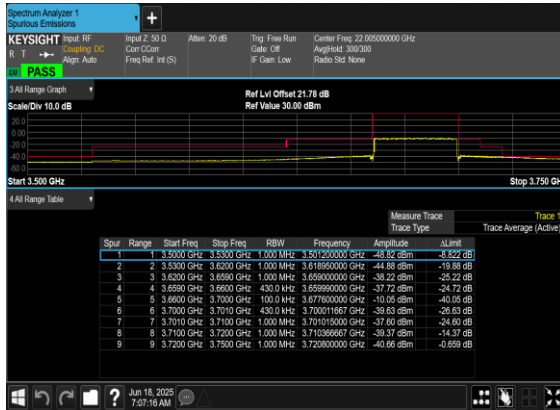
N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



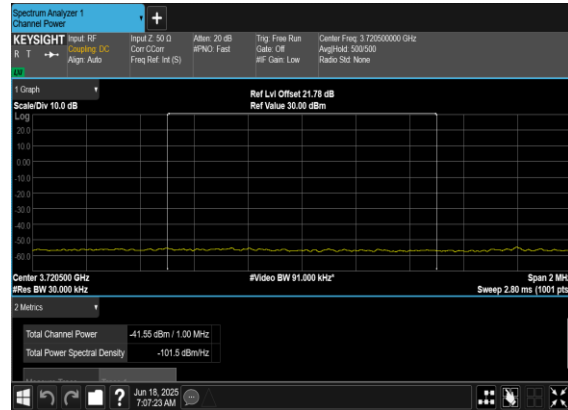
N48(40M)_CP-OFDM_16
QAM_Edge_1RB_Right_High_CH



N48(40M)_CP-
OFDM_QPSK_Outer_Full_High_CH

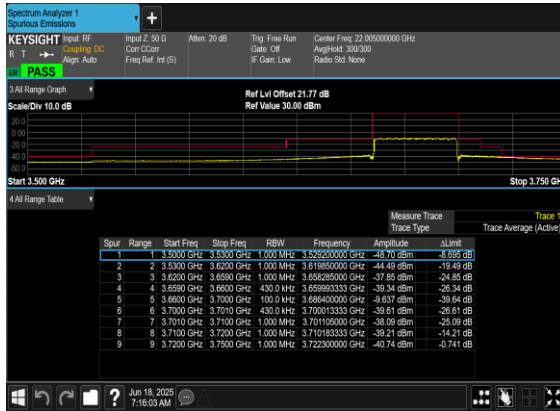


N48(40M)_CP-
OFDM_QPSK_Outer_Full_High_CH_CHP_PASS

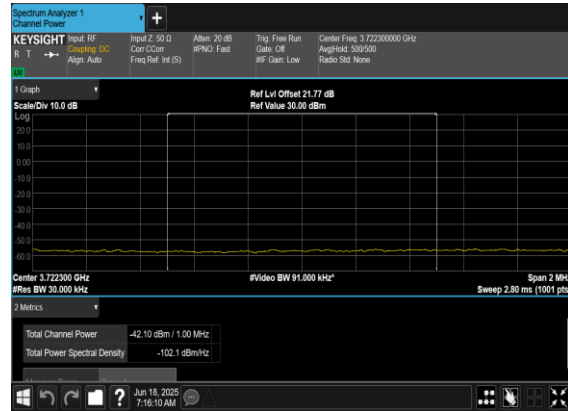




N48(40M)_CP-OFDM_16
QAM_Outer_Full_High_CH



N48(40M)_CP-OFDM_16
QAM_Outer_Full_High_CH_CHP_PASS





FR1 N48 MIMO-ANT2

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	0.0055	PASS	NV
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0056	PASS	LV
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0040	PASS	HV
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0000	PASS	-30°C
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0048	PASS	-20°C
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0044	PASS	-10°C
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0012	PASS	0°C
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0043	PASS	10°C
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0016	PASS	20°C
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0006	PASS	30°C
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0049	PASS	40°C
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	0.0061	PASS	50°C

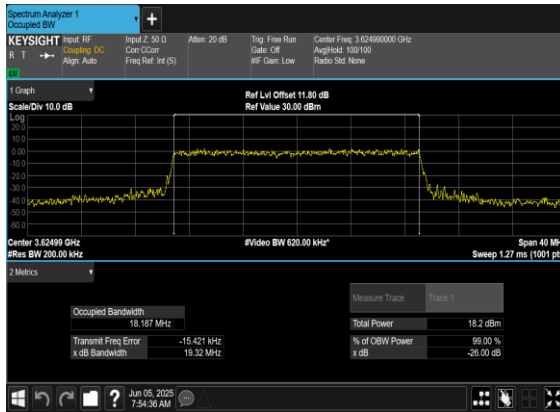


Occupied Bandwidth

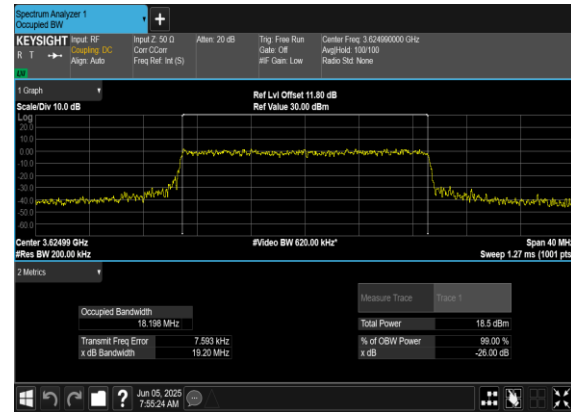
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	18.187	19.32
48	30	20	641666	3624.99	CP-OFDM 16 QAM	51@0	18.198	19.2
48	30	20	641666	3624.99	CP-OFDM 64 QAM	51@0	18.231	19.01
48	30	20	641666	3624.99	CP-OFDM 256 QAM	51@0	18.187	19.01
48	30	40	641666	3624.99	CP-OFDM QPSK	106@0	37.722	39.14
48	30	40	641666	3624.99	CP-OFDM 16 QAM	106@0	37.78	39.54
48	30	40	641666	3624.99	CP-OFDM 64 QAM	106@0	37.715	39.09
48	30	40	641666	3624.99	CP-OFDM 256 QAM	106@0	37.91	39.18



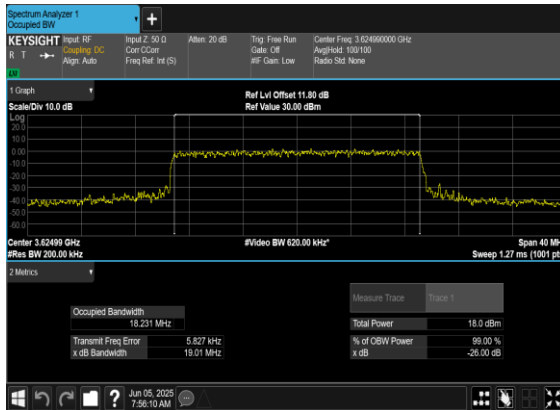
N48(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



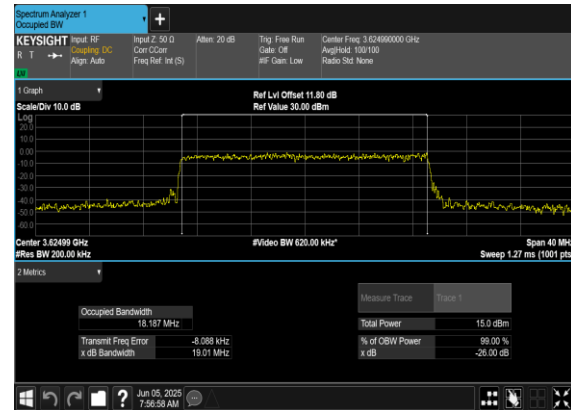
N48(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N48(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

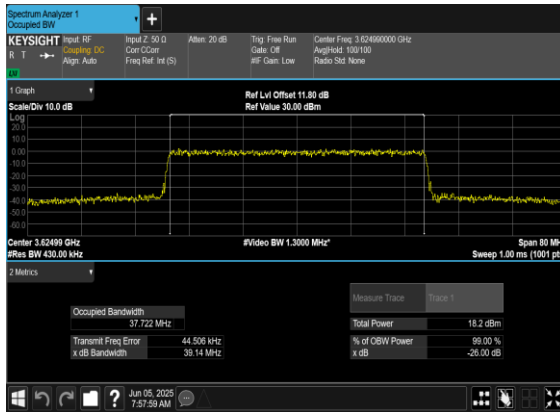


N48(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

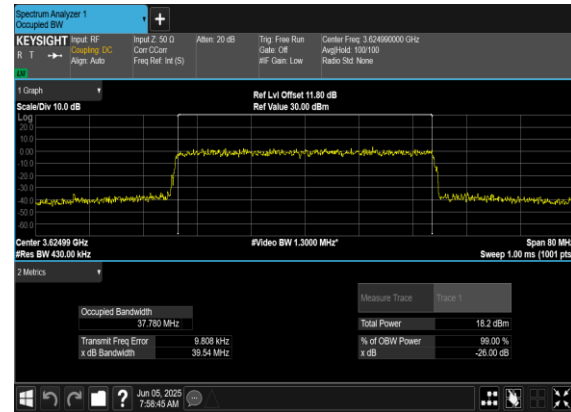




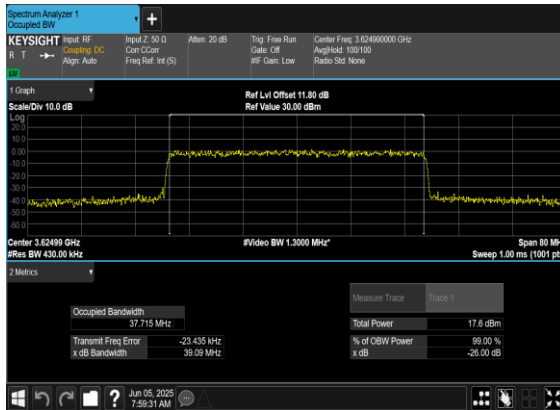
N48(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



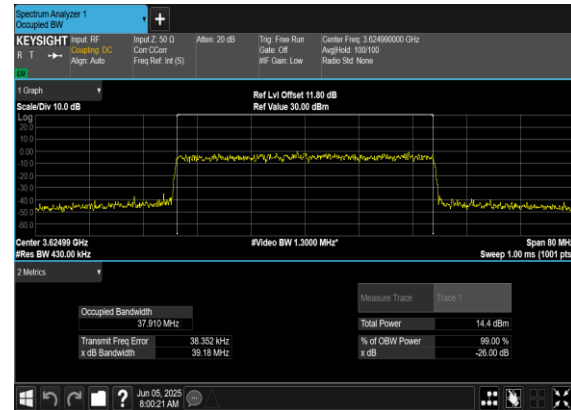
N48(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N48(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N48(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



**Adjacent Channel Leakage Ratio**

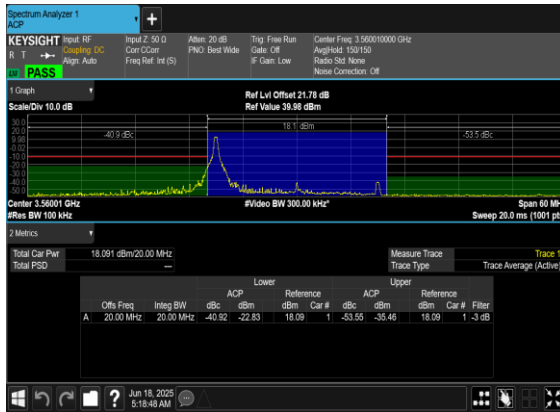
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Lower Margin	Upper Margin	Result	Verdict
48	30	20	637334	3560.01	CP-OFDM QPSK	1@0	-10.92	-23.55	see graph	PASS
48	30	20	637334	3560.01	CP-OFDM 16 QAM	1@0	-10.7	-23.28	see graph	PASS
48	30	20	637334	3560.01	CP-OFDM QPSK	1@50	-23.69	-13.3	see graph	PASS
48	30	20	637334	3560.01	CP-OFDM 16 QAM	1@50	-23.21	-12.76	see graph	PASS
48	30	20	637334	3560.01	CP-OFDM QPSK	51@0	-8.84	-8.5	see graph	PASS
48	30	20	637334	3560.01	CP-OFDM 16 QAM	51@0	-8.61	-9.13	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM QPSK	1@0	-10.89	-20.39	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM 16 QAM	1@0	-11.05	-20.77	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM QPSK	1@50	-20.41	-12.27	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM 16 QAM	1@50	-20.68	-12.59	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	-10.11	-10.83	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM 16 QAM	51@0	-10.19	-10.65	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM QPSK	1@0	-10.73	-19.33	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM 16 QAM	1@0	-10.27	-19.02	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM QPSK	1@50	-20.66	-12.4	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM 16 QAM	1@50	-20.49	-12.74	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM QPSK	51@0	-12.47	-12.69	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM 16 QAM	51@0	-12.53	-12.59	see graph	PASS
48	30	40	638000	3570.0	CP-OFDM QPSK	1@0	-13.17	-18.17	see graph	PASS
48	30	40	638000	3570.0	CP-OFDM 16 QAM	1@0	-14.18	-18.46	see graph	PASS
48	30	40	638000	3570.0	CP-OFDM QPSK	1@105	-18.3	-14.51	see graph	PASS



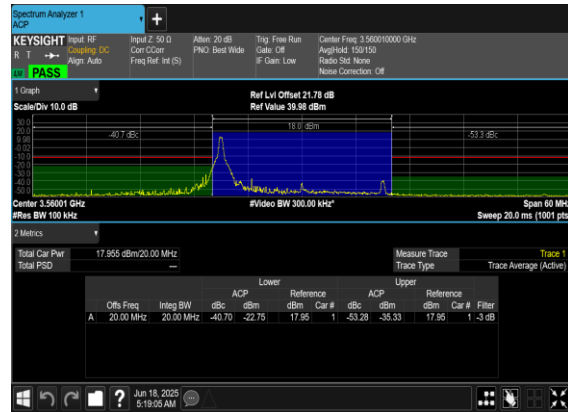
48	30	40	638000	3570.0	CP-OFDM 16 QAM	1@105	-18.17	-14.67	see graph	PASS
48	30	40	638000	3570.0	CP-OFDM QPSK	106@0	-9.87	-8.92	see graph	PASS
48	30	40	638000	3570.0	CP-OFDM 16 QAM	106@0	-9.62	-9.03	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM QPSK	1@0	-13.92	-16.87	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM 16 QAM	1@0	-13.2	-17.4	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM QPSK	1@105	-18.74	-14.51	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM 16 QAM	1@105	-18.88	-14.36	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM QPSK	106@0	-11.33	-11.16	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM 16 QAM	106@0	-11.2	-11.16	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM QPSK	1@0	-13.84	-16.86	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM 16 QAM	1@0	-12.69	-16.2	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM QPSK	1@105	-18.33	-14.57	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM 16 QAM	1@105	-18.07	-14.55	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM QPSK	106@0	-11.25	-11.37	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM 16 QAM	106@0	-11.2	-11.27	see graph	PASS



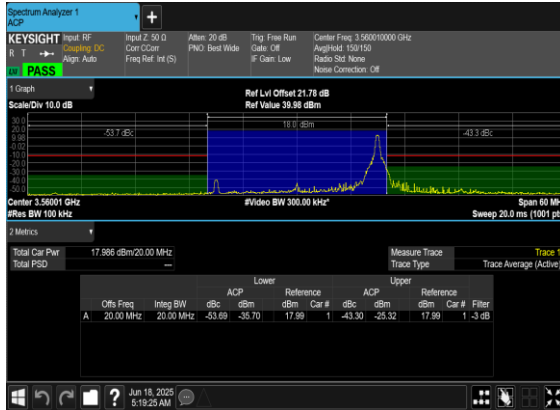
N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



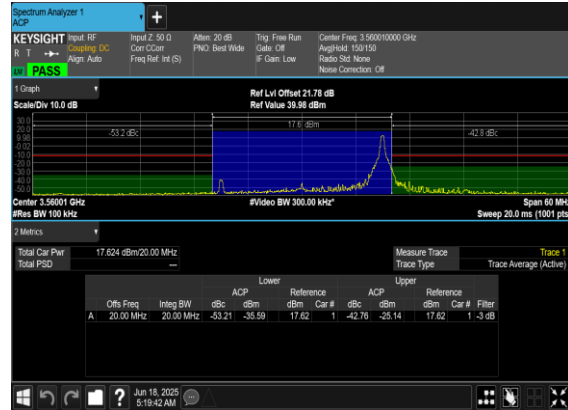
N48(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_Low_CH



N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH

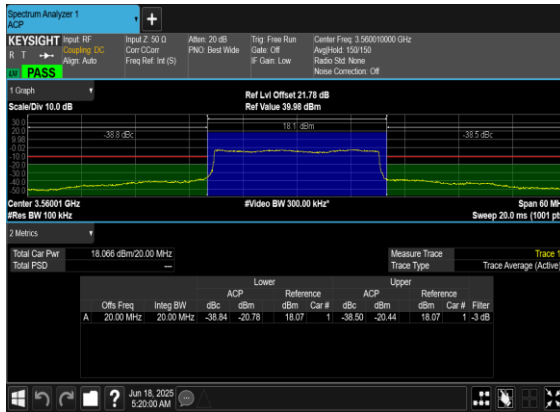


N48(20M)_CP-OFDM_16
QAM_Edge_1RB_Right_Low_CH

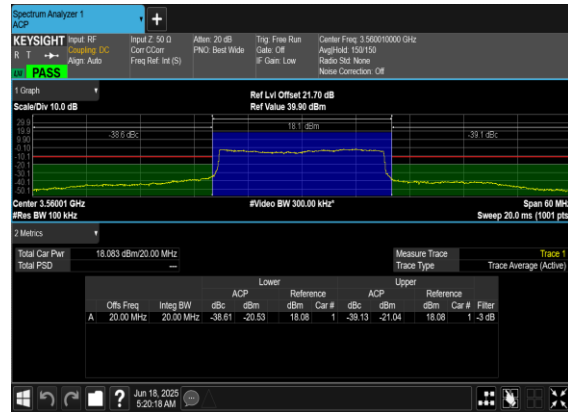




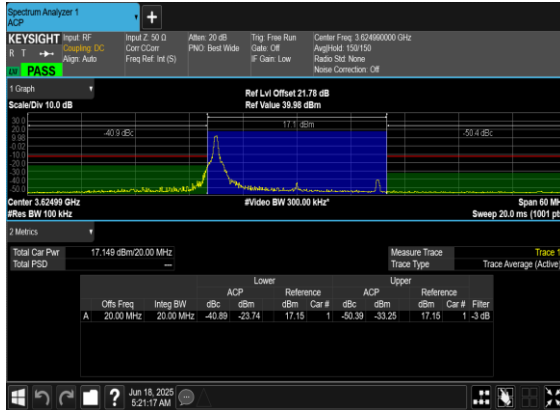
N48(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



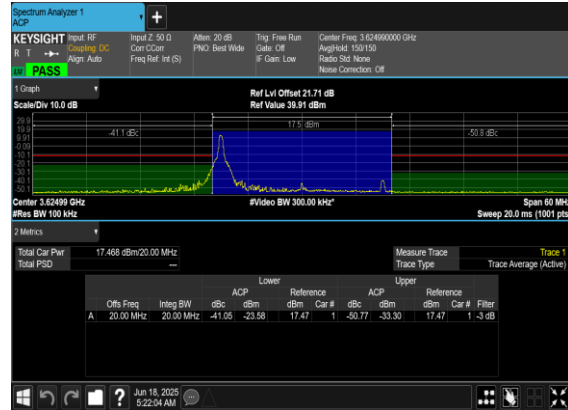
N48(20M)_CP-OFDM_16
QAM_Outer_Full_Low_CH



N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

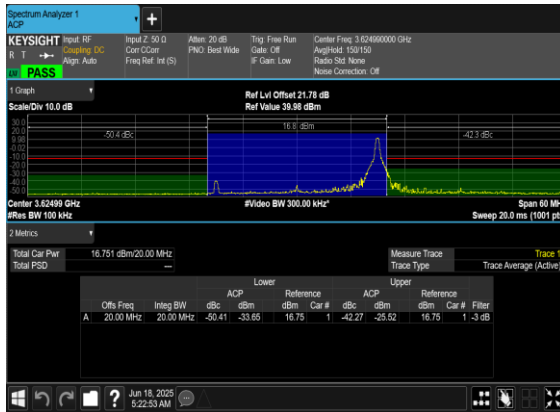


N48(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH

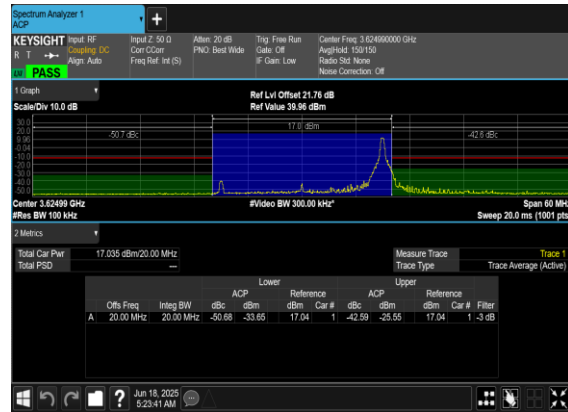




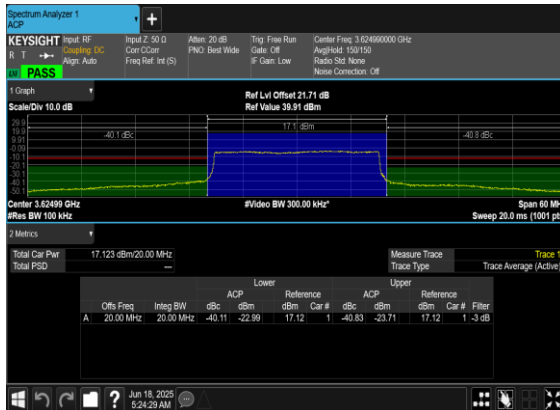
N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH



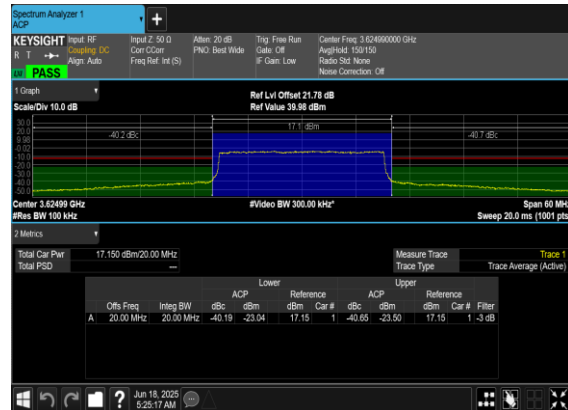
N48(20M)_CP-OFDM_16
QAM_Edge_1RB_Right_Mid_CH



N48(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH

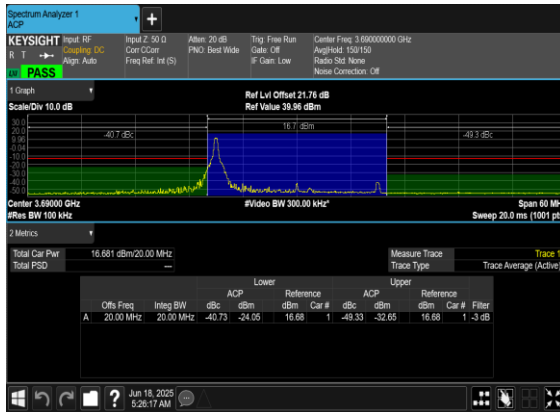


N48(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH

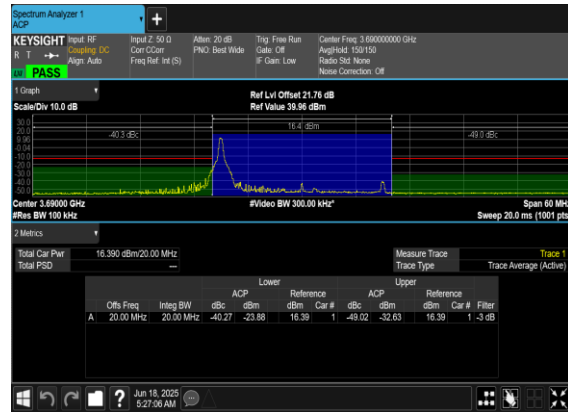




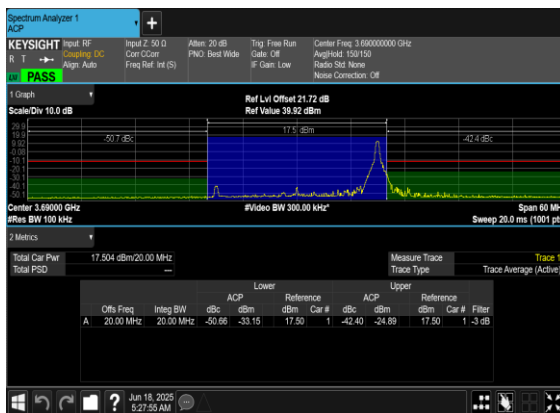
N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



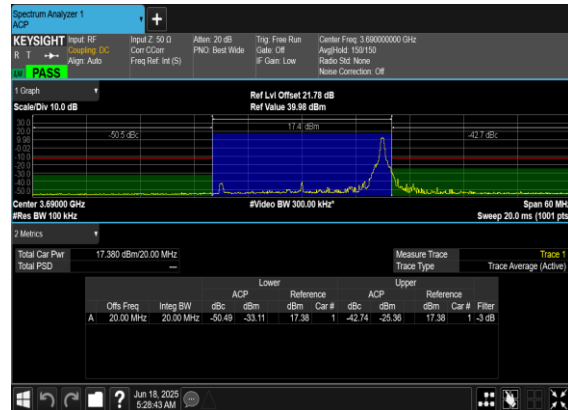
N48(20M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH



N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_C
H

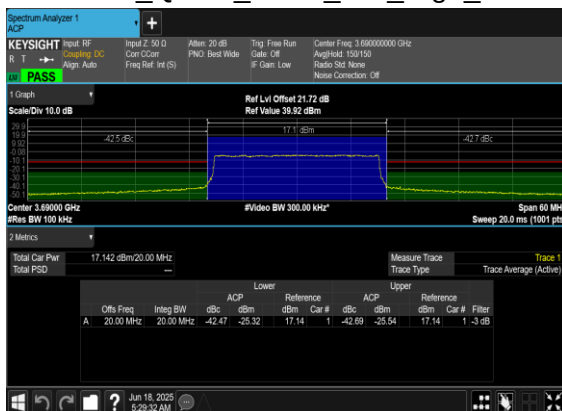


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QAM_Edge_1RB_Right_High_CH

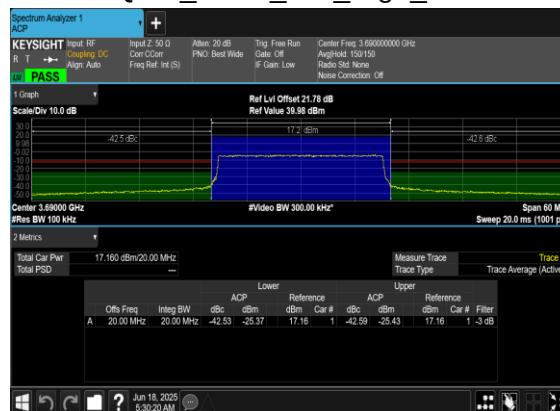




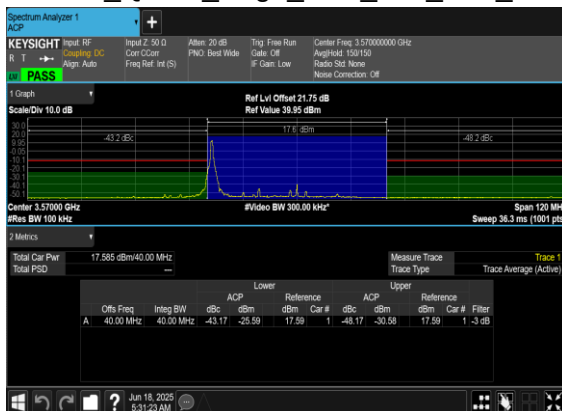
N48(20M)_CP-
OFDM_QPSK_Outer_Full_High_CH



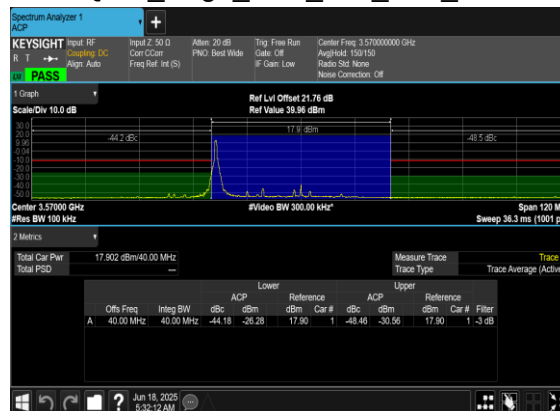
N48(20M)_CP-OFDM_16
QAM_Outer_Full_High_CH



N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH

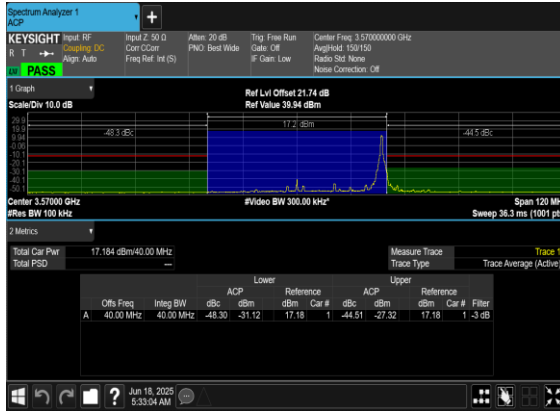


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QAM_Edge_1RB_Left_Low_CH





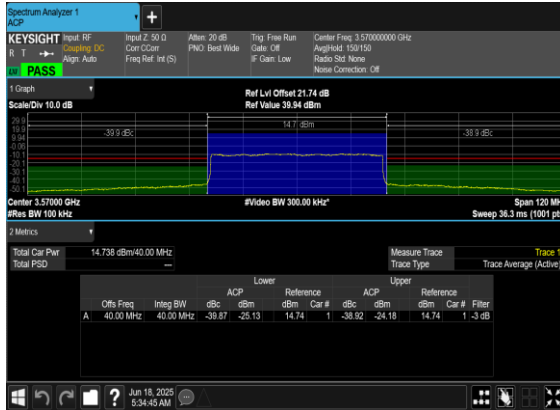
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OFDM_QPSK_Edge_1RB_Right_Low_CH



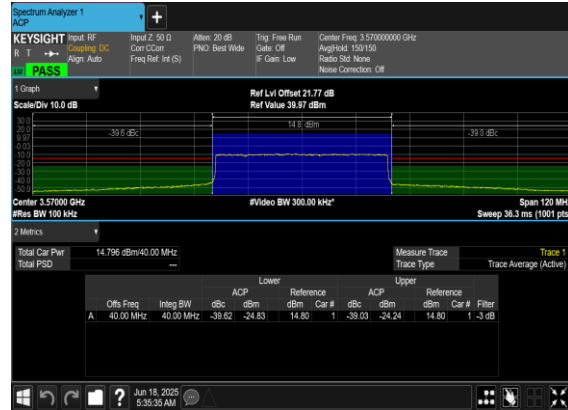
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QAM_Edge_1RB_Right_Low_CH



N48(40M)_CP-
OFDM_QPSK_Outer_Full_Low_CH

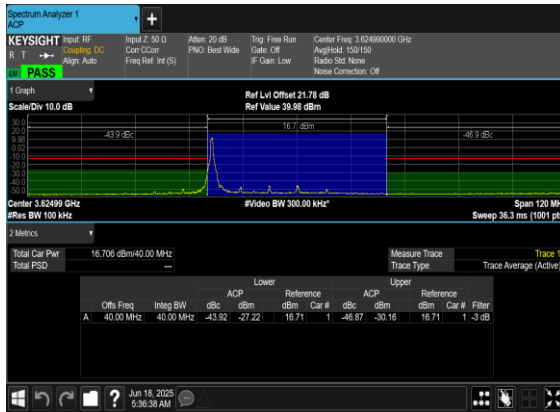


N48(40M)_CP-OFDM_16
QAM_Outer_Full_Low_CH

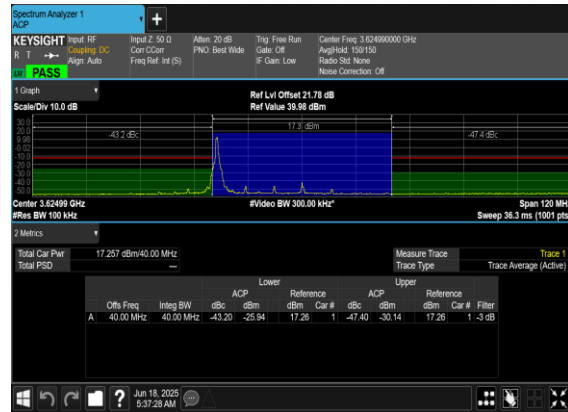




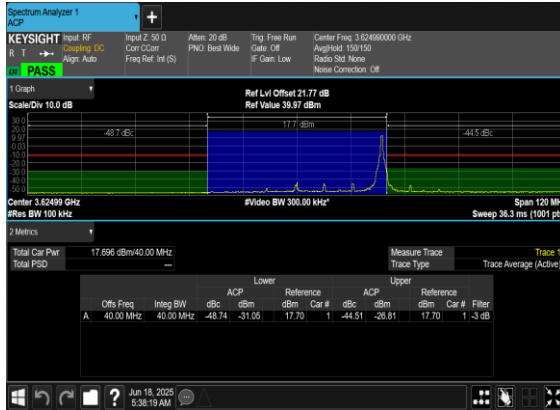
N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



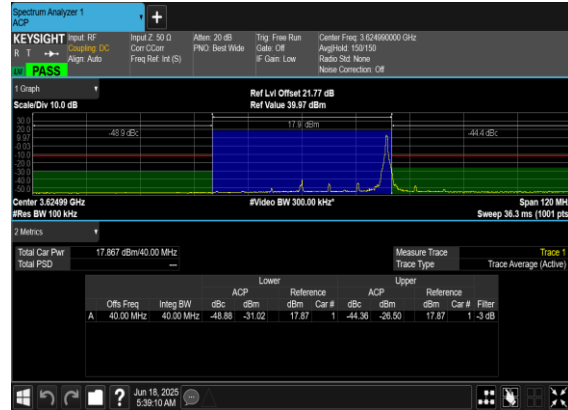
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QAM_Edge_1RB_Left_Mid_CH



N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH

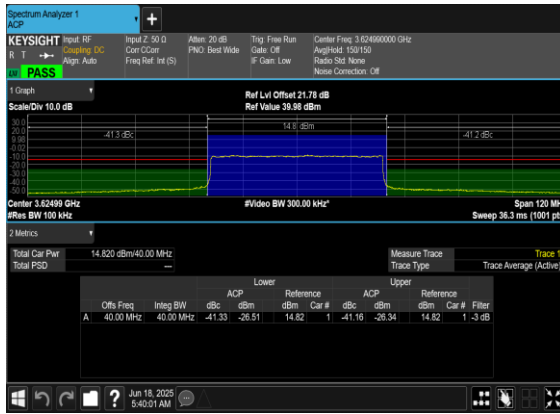


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QAM_Edge_1RB_Right_Mid_CH





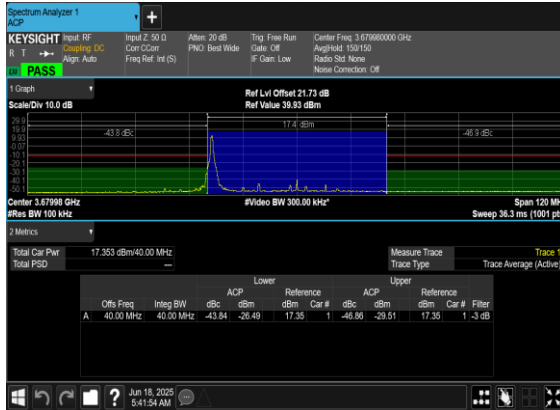
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OFDM_QPSK_Outer_Full_Mid_CH



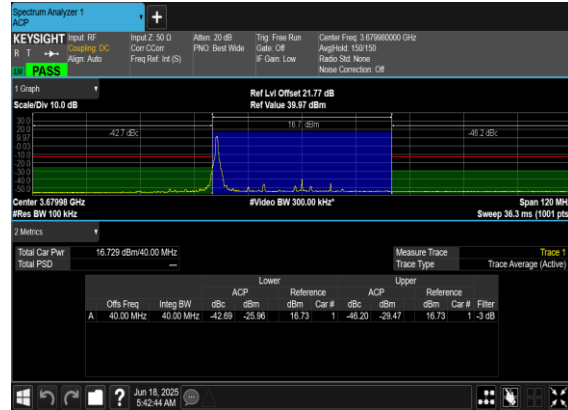
N48(40M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH

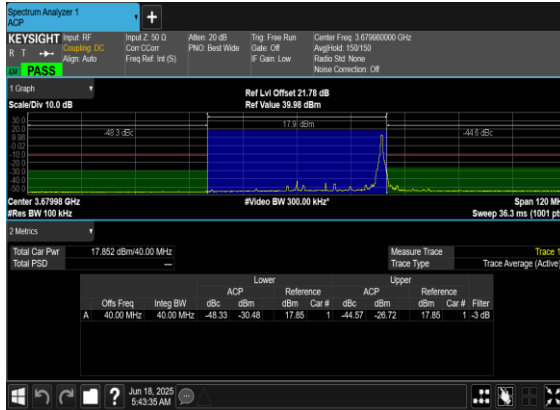


N48(40M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH

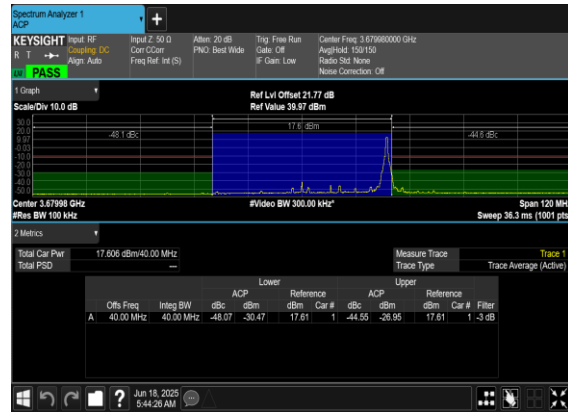




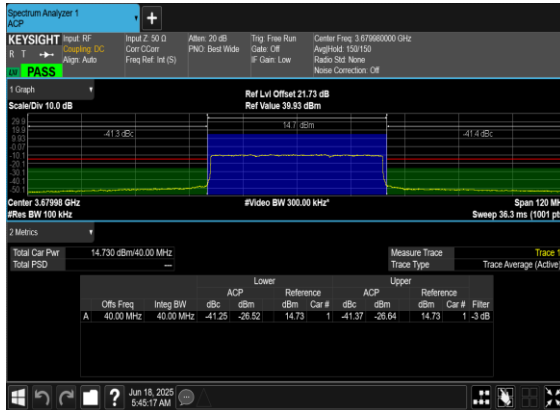
N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_C
H



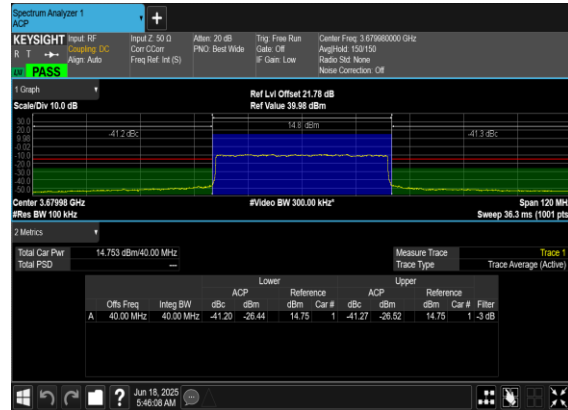
N48(40M)_CP-OFDM_16
QAM_Edge_1RB_Right_High_CH



N48(40M)_CP-
OFDM_QPSK_Outer_Full_High_CH



N48(40M)_CP-OFDM_16
QAM_Outer_Full_High_CH





Conducted Spurious Emissions

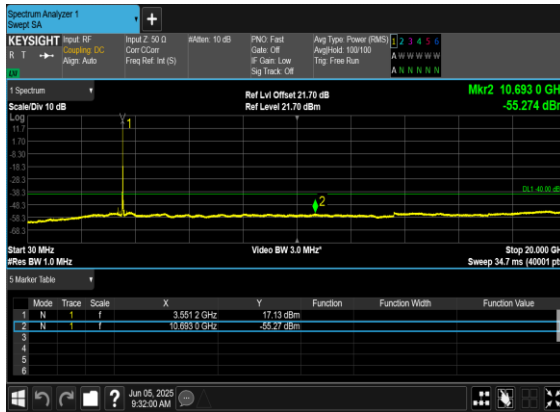
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
48	30	20	637334	3560.01	CP-OFDM QPSK	1@0	see graph	---
48	30	20	637334	3560.01	CP-OFDM QPSK	1@0	see graph	PASS
48	30	20	637334	3560.01	CP-OFDM QPSK	1@0	see graph	PASS
48	30	20	637334	3560.01	CP-OFDM 16 QAM	1@0	see graph	---
48	30	20	637334	3560.01	CP-OFDM 16 QAM	1@0	see graph	PASS
48	30	20	637334	3560.01	CP-OFDM 16 QAM	1@0	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM QPSK	1@0	see graph	---
48	30	20	641666	3624.99	CP-OFDM QPSK	1@0	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM QPSK	1@0	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM 16 QAM	1@0	see graph	---
48	30	20	641666	3624.99	CP-OFDM 16 QAM	1@0	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM 16 QAM	1@0	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM QPSK	1@0	see graph	---
48	30	20	646000	3690.0	CP-OFDM QPSK	1@0	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM QPSK	1@0	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM 16 QAM	1@0	see graph	---
48	30	20	646000	3690.0	CP-OFDM 16 QAM	1@0	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM 16 QAM	1@0	see graph	PASS
48	30	40	638000	3570.0	CP-OFDM QPSK	1@0	see graph	---
48	30	40	638000	3570.0	CP-OFDM QPSK	1@0	see graph	PASS
48	30	40	638000	3570.0	CP-OFDM QPSK	1@0	see graph	PASS



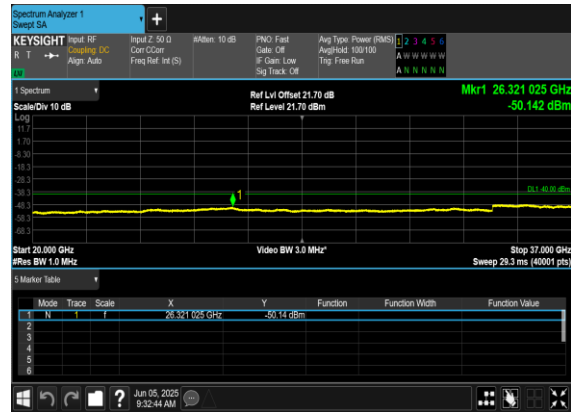
48	30	40	638000	3570.0	CP-OFDM 16 QAM	1@0	see graph	---
48	30	40	638000	3570.0	CP-OFDM 16 QAM	1@0	see graph	PASS
48	30	40	638000	3570.0	CP-OFDM 16 QAM	1@0	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM QPSK	1@0	see graph	---
48	30	40	641666	3624.99	CP-OFDM QPSK	1@0	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM QPSK	1@0	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM 16 QAM	1@0	see graph	---
48	30	40	641666	3624.99	CP-OFDM 16 QAM	1@0	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM 16 QAM	1@0	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM QPSK	1@0	see graph	---
48	30	40	645332	3679.98	CP-OFDM QPSK	1@0	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM QPSK	1@0	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM 16 QAM	1@0	see graph	---
48	30	40	645332	3679.98	CP-OFDM 16 QAM	1@0	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM 16 QAM	1@0	see graph	PASS



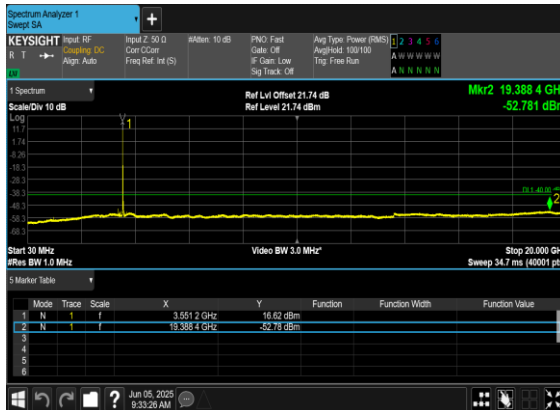
N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



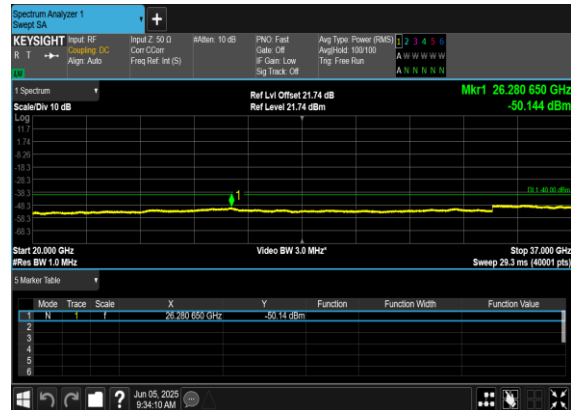
N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(20M)_CP-
OFDM_16QAM_Edge_1RB_Left_Low_CH

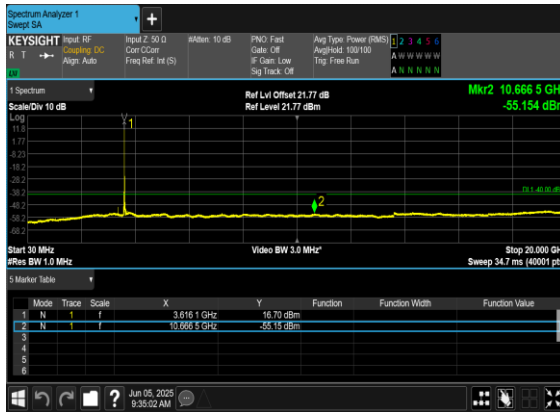


N48(20M)_CP-
OFDM_16QAM_Edge_1RB_Left_Low_CH





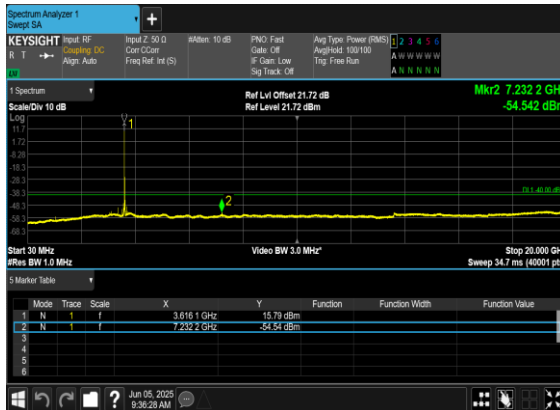
N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



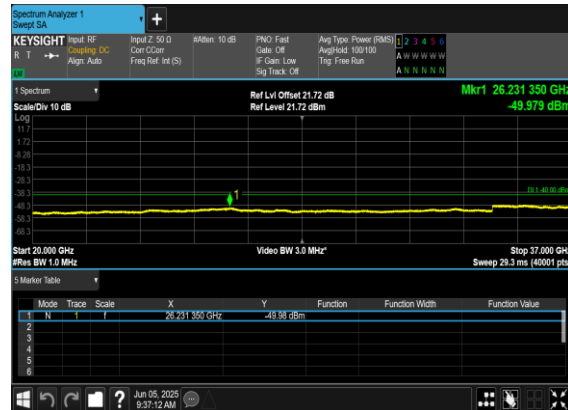
N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(20M)_CP-
OFDM_16QAM_Edge_1RB_Left_Mid_CH

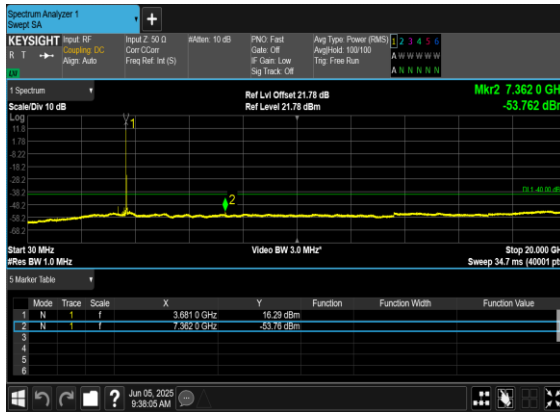


N48(20M)_CP-
OFDM_16QAM_Edge_1RB_Left_Mid_CH





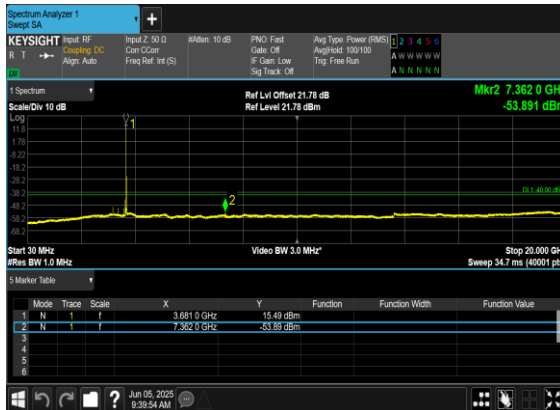
N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



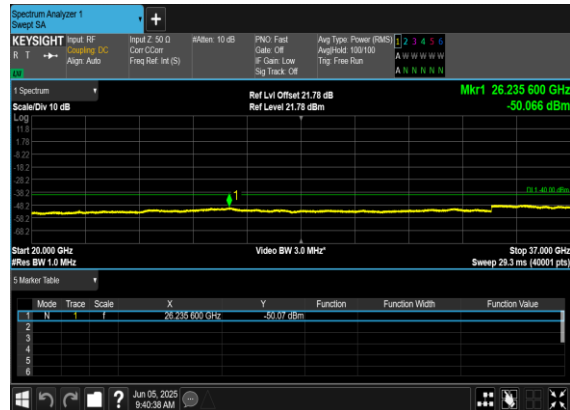
N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N48(20M)_CP-
OFDM_16QAM_Edge_1RB_Left_High_CH

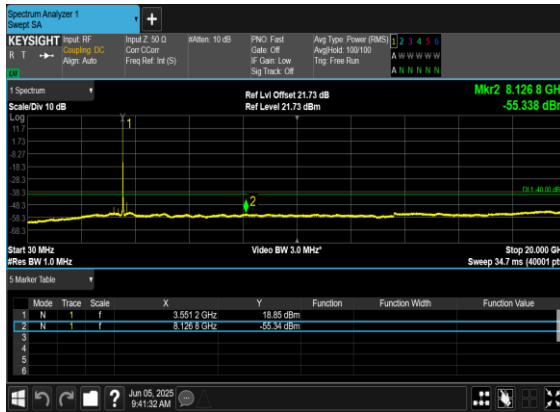


N48(20M)_CP-
OFDM_16QAM_Edge_1RB_Left_High_CH





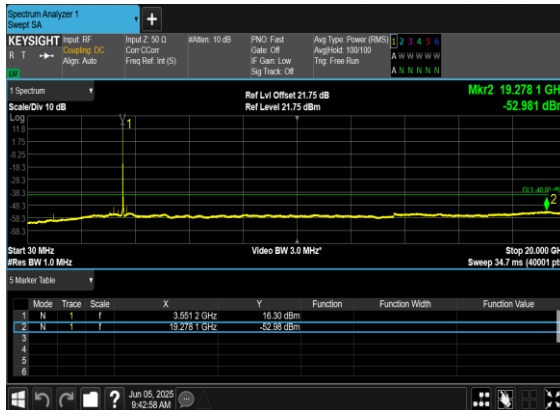
N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(40M)_CP-
OFDM_16QAM_Edge_1RB_Left_Low_CH



N48(40M)_CP-
OFDM_16QAM_Edge_1RB_Left_Low_CH

