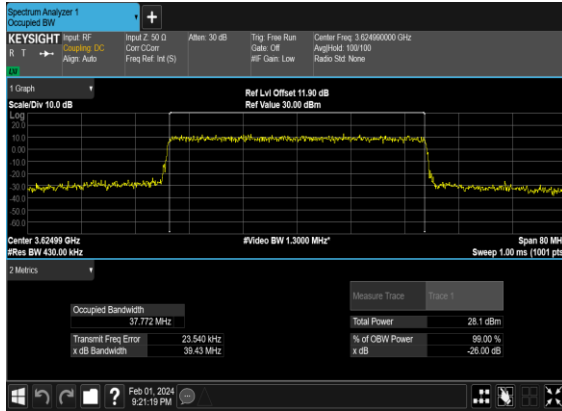
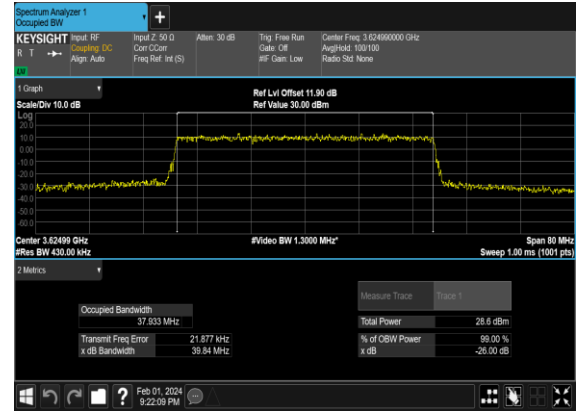


N48(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



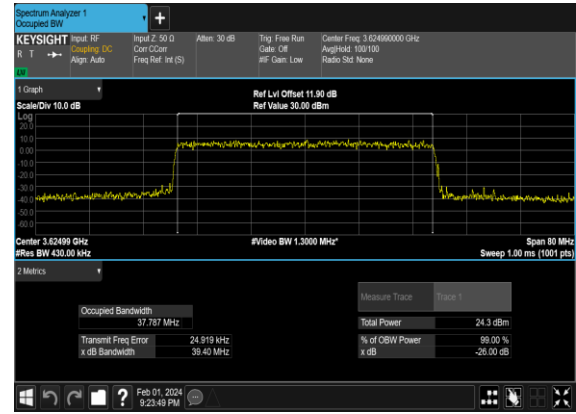
N48(40M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N48(40M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



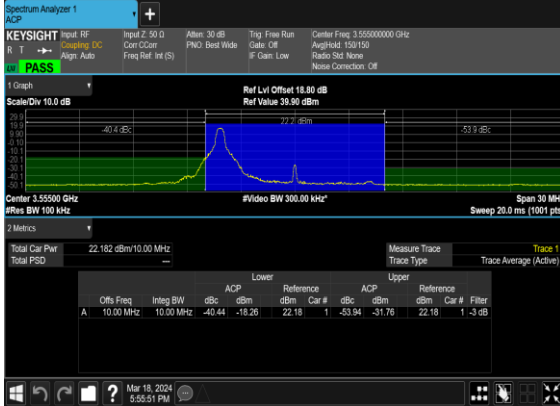
N48(40M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



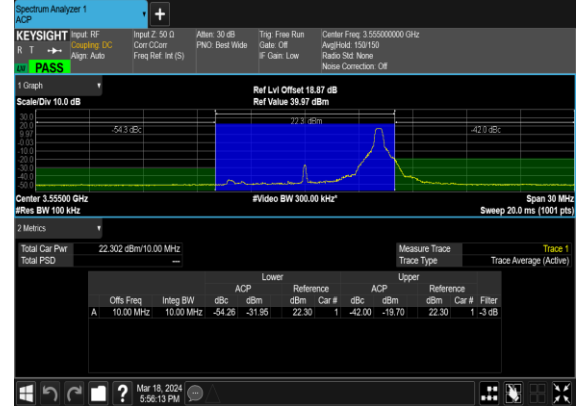
Adjacent Channel Leakage Ratio

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	-10.44	-23.94	see graph	PASS
48	30	10	637000	3555.0	CP-OFDM QPSK	1@23	-24.26	-12.0	see graph	PASS
48	30	10	637000	3555.0	CP-OFDM QPSK	24@0	-9.71	-10.61	see graph	PASS
48	30	10	641666	3624.99	CP-OFDM QPSK	1@0	-9.72	-21.61	see graph	PASS
48	30	10	641666	3624.99	CP-OFDM QPSK	1@23	-23.87	-13.41	see graph	PASS
48	30	10	641666	3624.99	CP-OFDM QPSK	24@0	-10.06	-11.06	see graph	PASS
48	30	10	646332	3694.98	CP-OFDM QPSK	1@0	-10.8	-21.22	see graph	PASS
48	30	10	646332	3694.98	CP-OFDM QPSK	1@23	-21.08	-11.83	see graph	PASS
48	30	10	646332	3694.98	CP-OFDM QPSK	24@0	-10.86	-11.12	see graph	PASS
48	30	20	637334	3560.01	CP-OFDM QPSK	1@0	-11.42	-18.7	see graph	PASS
48	30	20	637334	3560.01	CP-OFDM QPSK	1@50	-22.03	-12.92	see graph	PASS
48	30	20	637334	3560.01	CP-OFDM QPSK	51@0	-11.58	-12.6	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM QPSK	1@0	-12.2	-18.77	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM QPSK	1@50	-20.66	-13.34	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM QPSK	51@0	-10.29	-11.48	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM QPSK	1@0	-10.61	-17.85	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM QPSK	1@50	-15.92	-11.81	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM QPSK	51@0	-11.44	-12.08	see graph	PASS
48	30	40	638000	3570.0	CP-OFDM QPSK	1@0	-7.01	-6.88	see graph	PASS
48	30	40	638000	3570.0	CP-OFDM QPSK	1@105	-8.35	-7.31	see graph	PASS
48	30	40	638000	3570.0	CP-OFDM QPSK	106@0	-7.51	-7.06	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM QPSK	1@0	-12.27	-13.64	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM QPSK	1@105	-16.73	-13.85	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM QPSK	106@0	-10.13	-11.15	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM QPSK	1@0	-6.53	-6.32	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM QPSK	1@105	-7.71	-6.53	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM QPSK	106@0	-7.22	-6.55	see graph	PASS

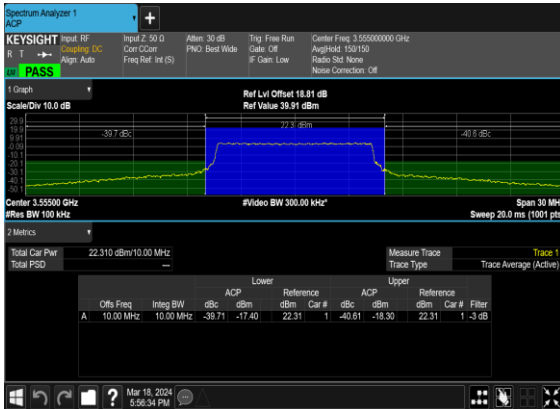
N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



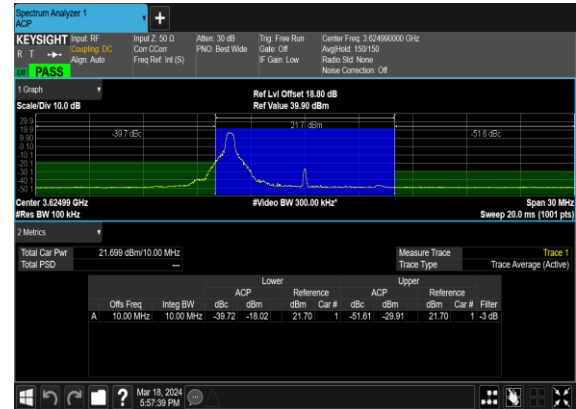
N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH



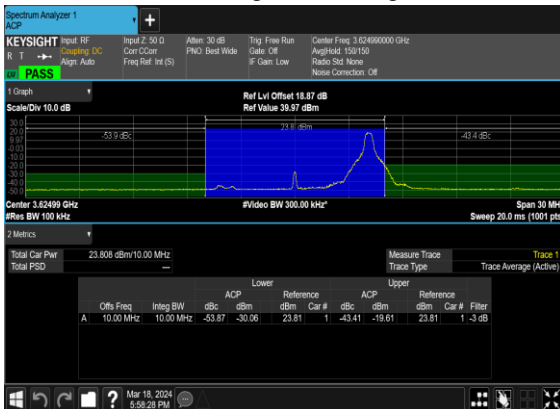
N48(10M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



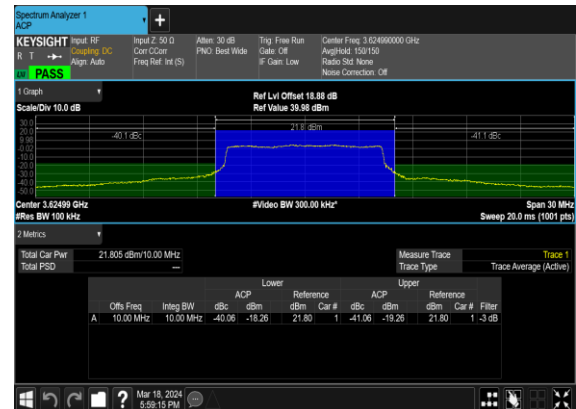
N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



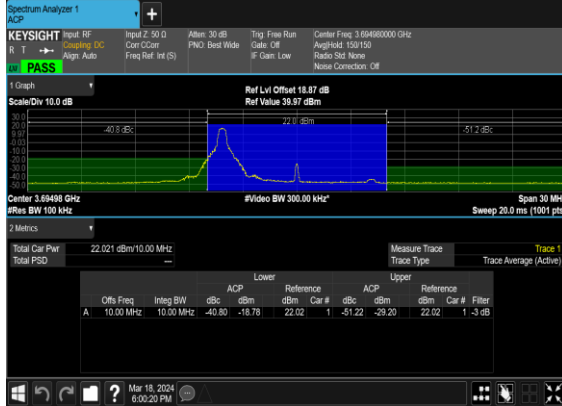
N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH



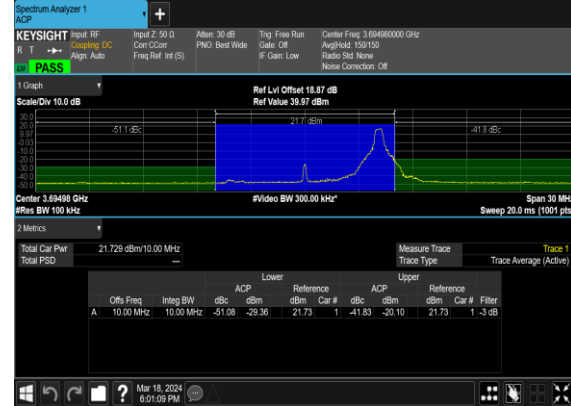
N48(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



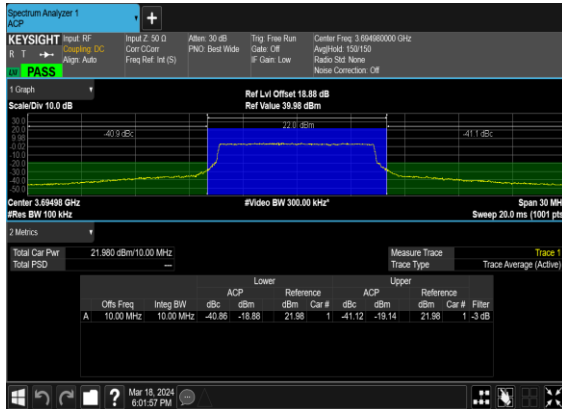
N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



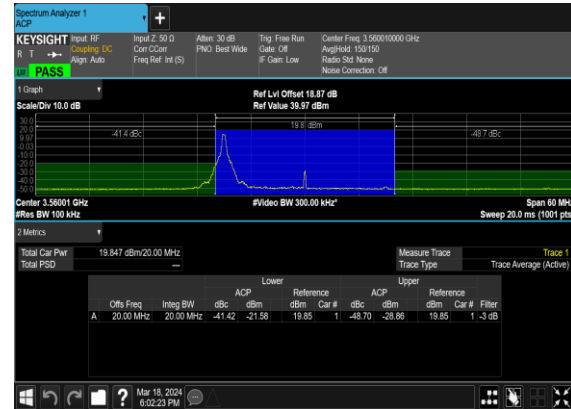
N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH



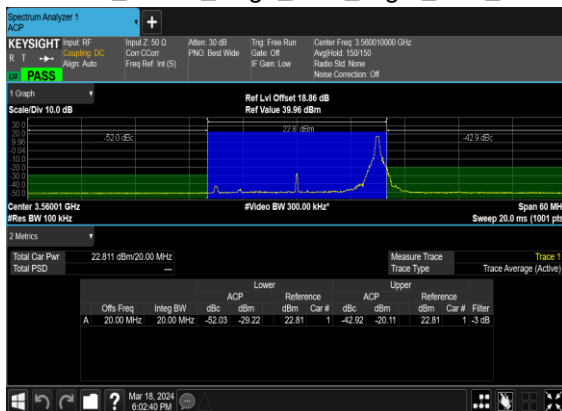
N48(10M)_CP-
OFDM_QPSK_Outer_Full_High_CH



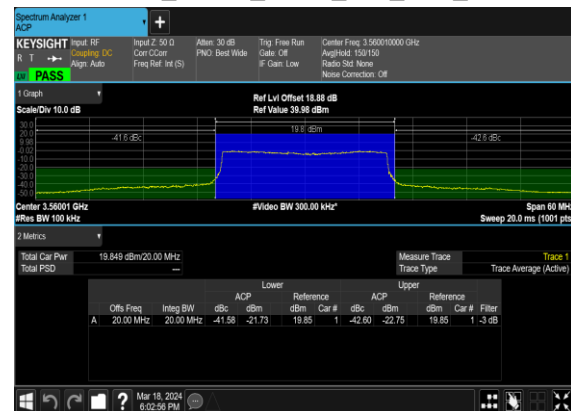
N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



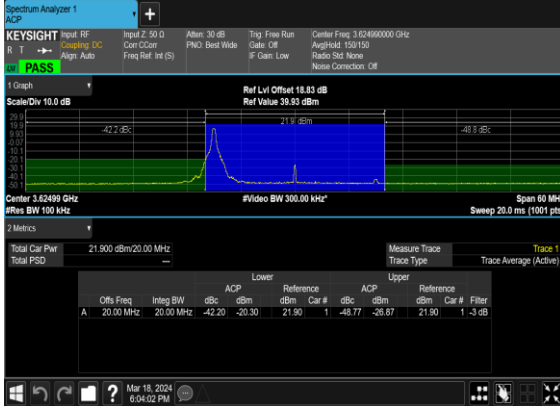
N48(20M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH



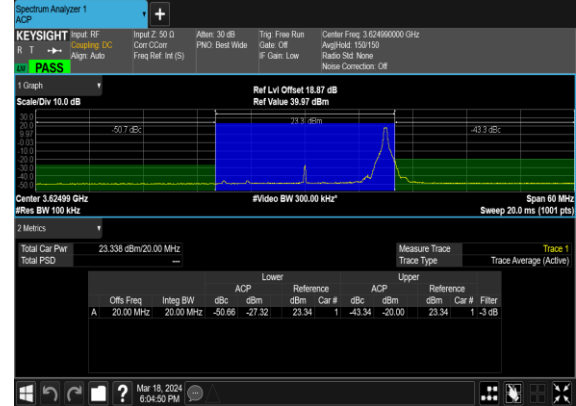
N48(20M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



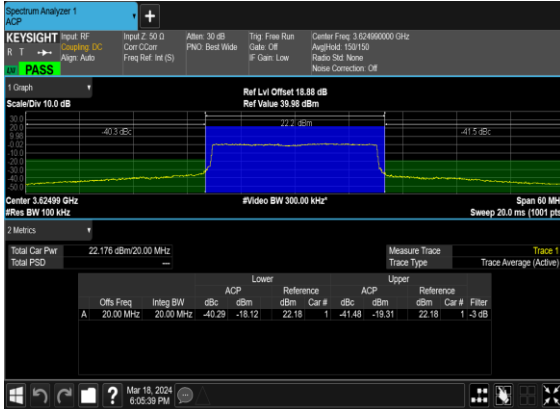
N48(20M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



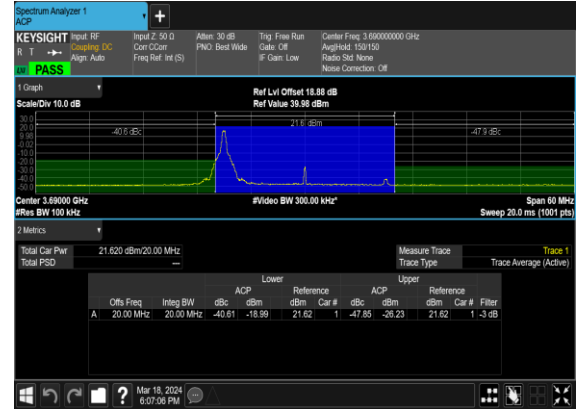
N48(20M)_CP- OFDM_QPSK_Edge_1RB_Right_Mid_CH



N48(20M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



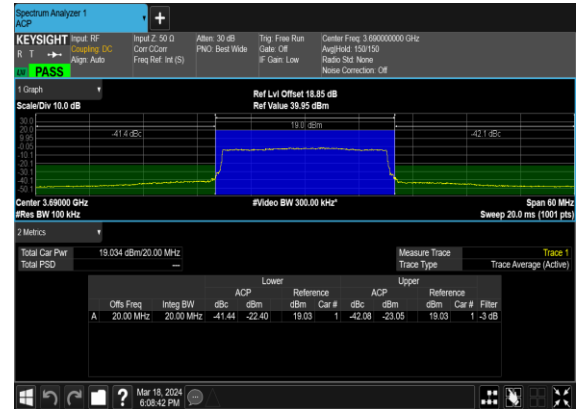
N48(20M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



N48(20M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



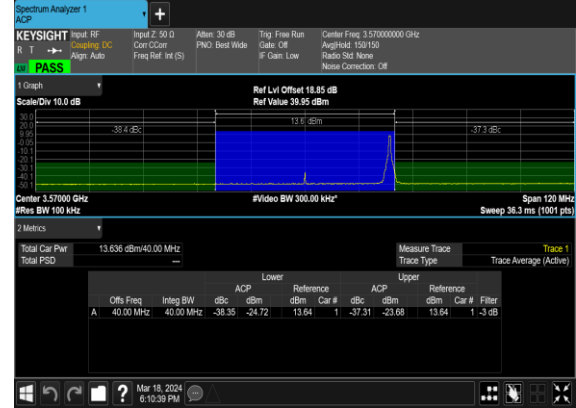
N48(20M)_CP- OFDM_QPSK_Outer_Full_High_CH



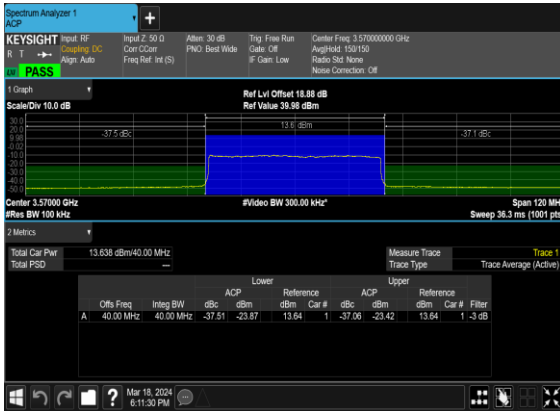
N48(40M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



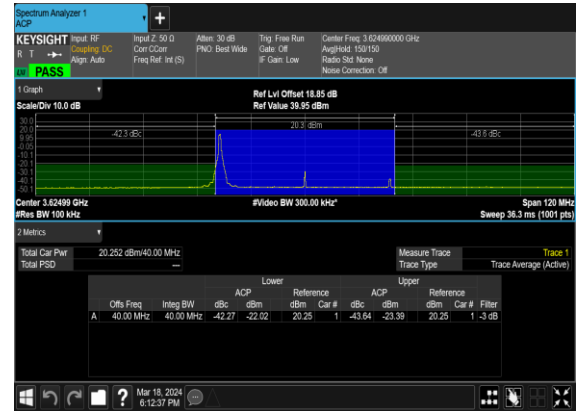
N48(40M)_CP- OFDM_QPSK_Edge_1RB_Right_Low_CH



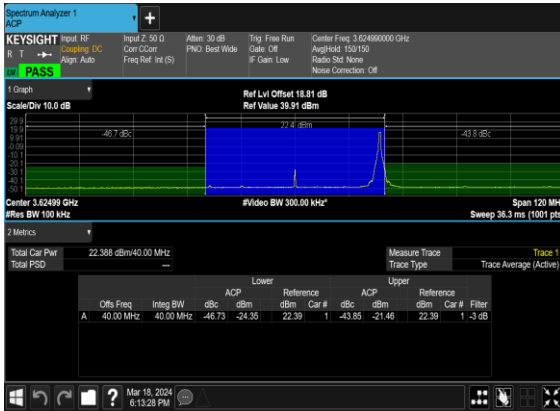
N48(40M)_CP- OFDM_QPSK_Outer_Full_Low_CH



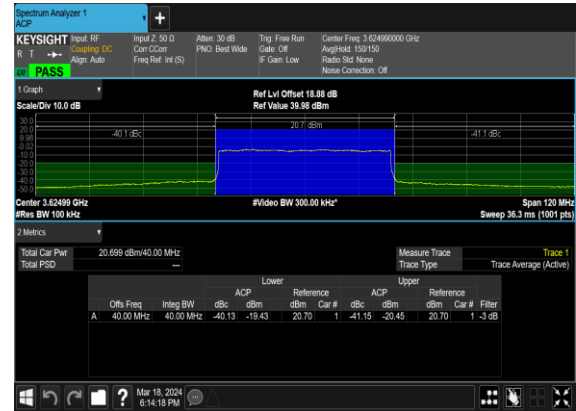
N48(40M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(40M)_CP- OFDM_QPSK_Edge_1RB_Right_Mid_CH



N48(40M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



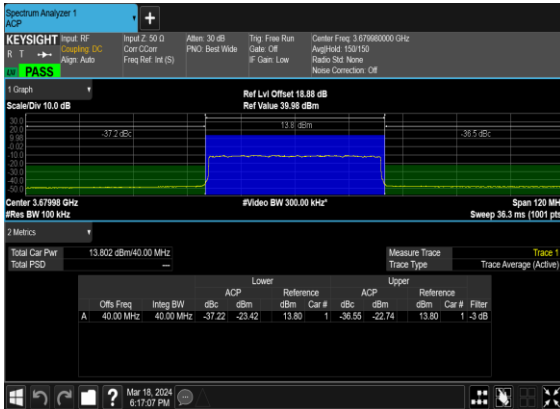
N48(40M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



N48(40M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



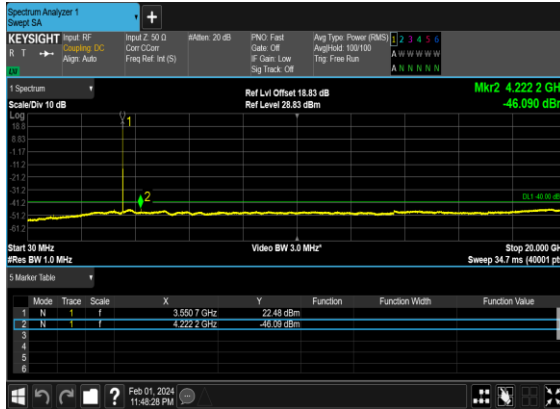
N48(40M)_CP- OFDM_QPSK_Outer_Full_High_CH



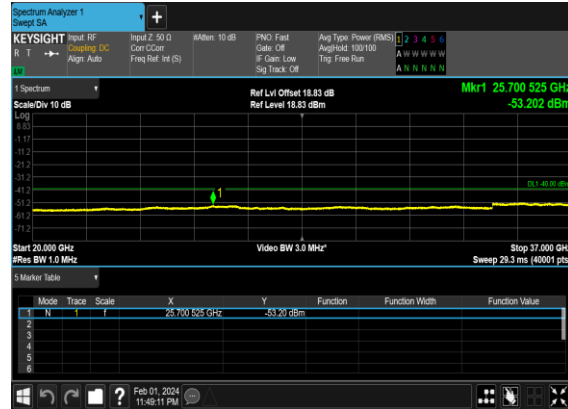
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arcfn	Freq (MHz)	Modulation	RB	Result	Verdict
48	30	10	637000	3555.0	CP-OFDM QPSK	1@0	see graph	---
48	30	10	637000	3555.0	CP-OFDM QPSK	1@0	see graph	PASS
48	30	10	637000	3555.0	CP-OFDM QPSK	1@0	see graph	PASS
48	30	10	641666	3624.99	CP-OFDM QPSK	1@0	see graph	---
48	30	10	641666	3624.99	CP-OFDM QPSK	1@0	see graph	PASS
48	30	10	641666	3624.99	CP-OFDM QPSK	1@0	see graph	PASS
48	30	10	646332	3694.98	CP-OFDM QPSK	1@0	see graph	---
48	30	10	646332	3694.98	CP-OFDM QPSK	1@0	see graph	PASS
48	30	10	646332	3694.98	CP-OFDM QPSK	1@0	see graph	PASS
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	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	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	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	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	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

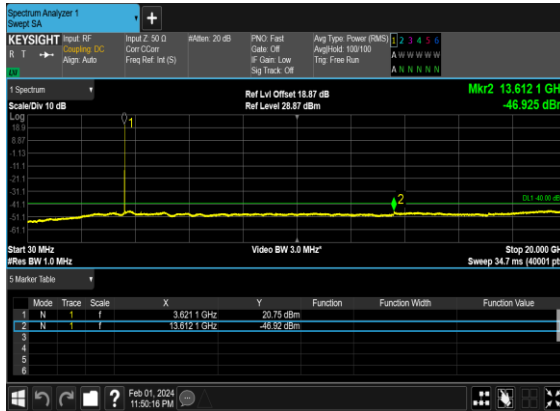
N48(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



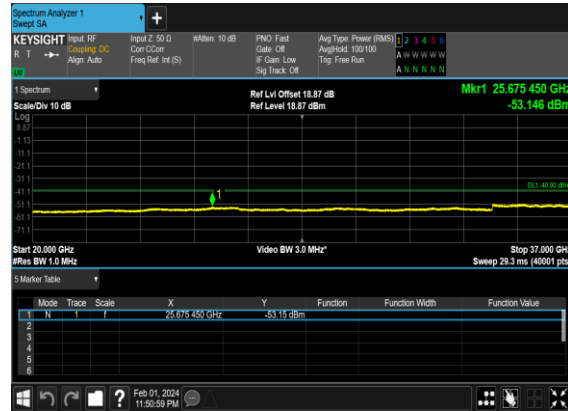
N48(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



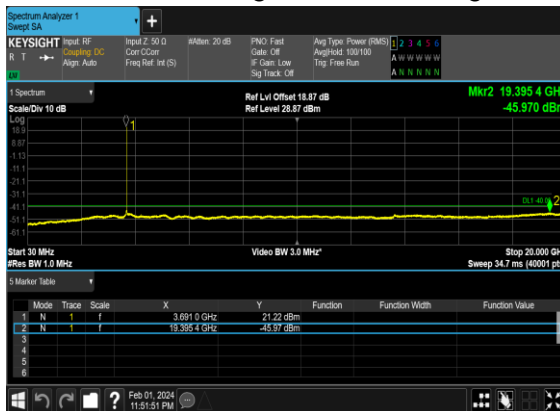
N48(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



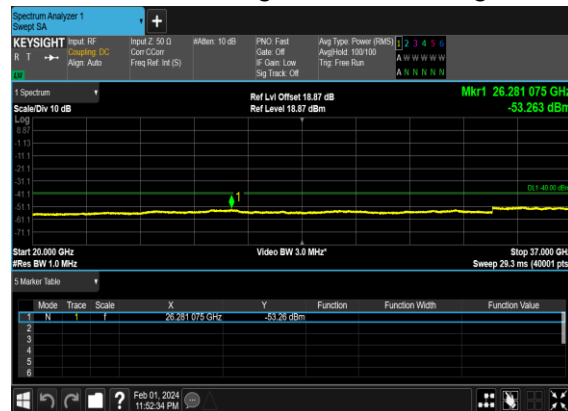
N48(10M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(10M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



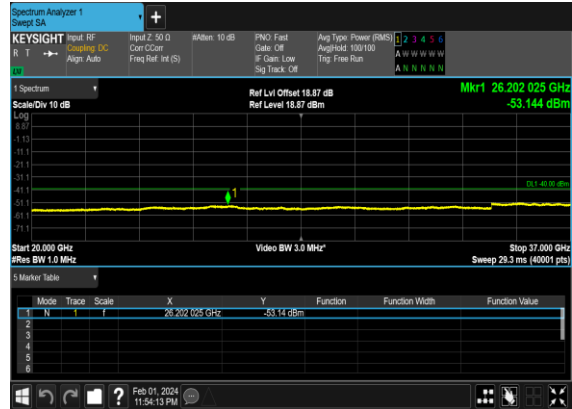
N48(10M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



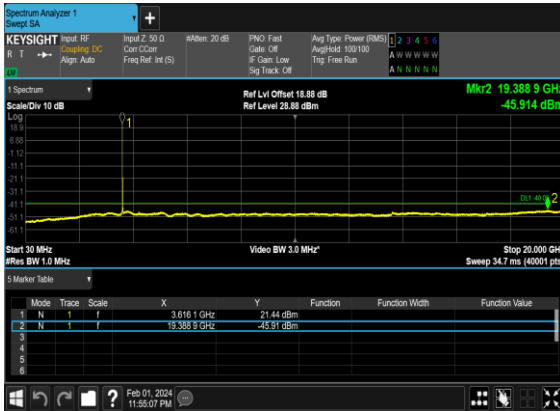
N48(20M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



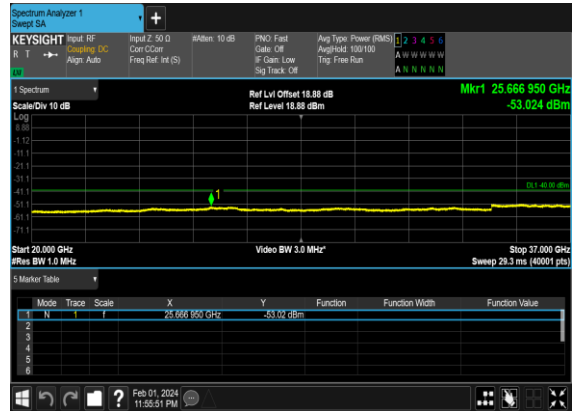
N48(20M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



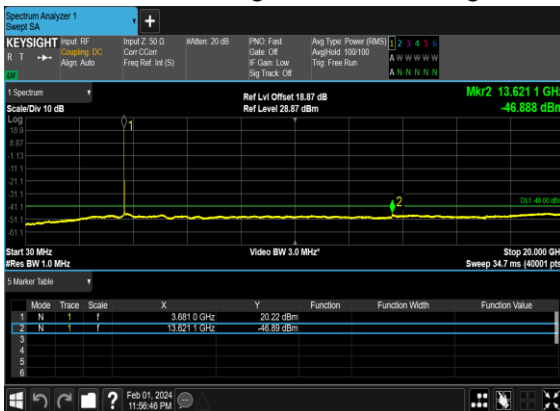
N48(20M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



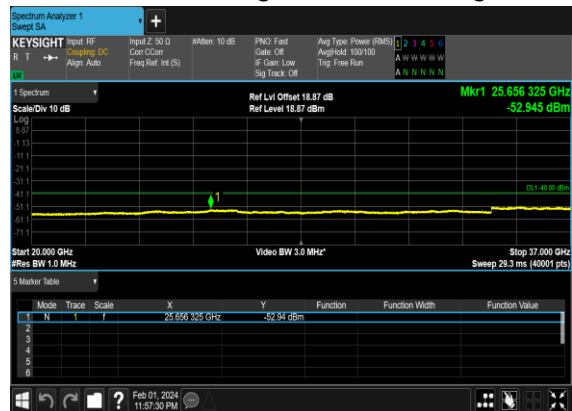
N48(20M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



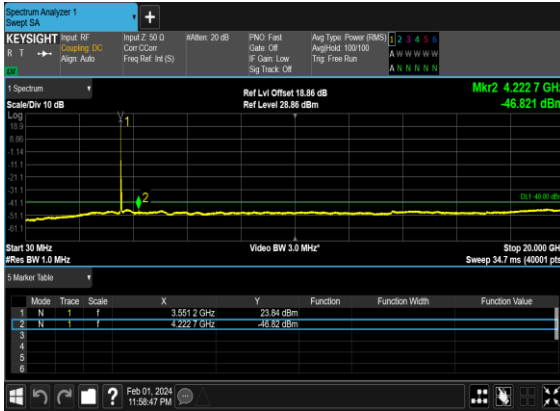
N48(20M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



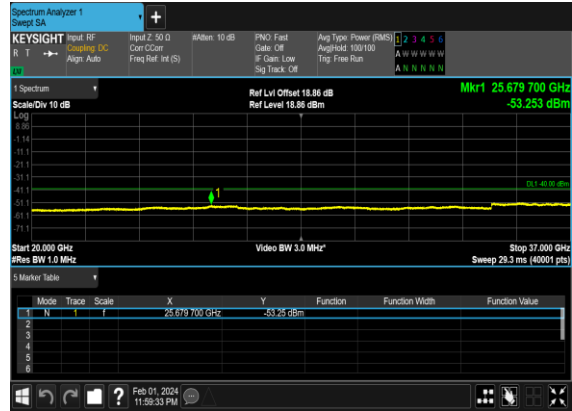
N48(20M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



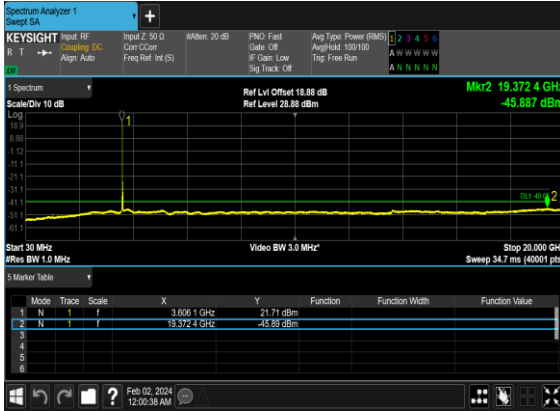
N48(40M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



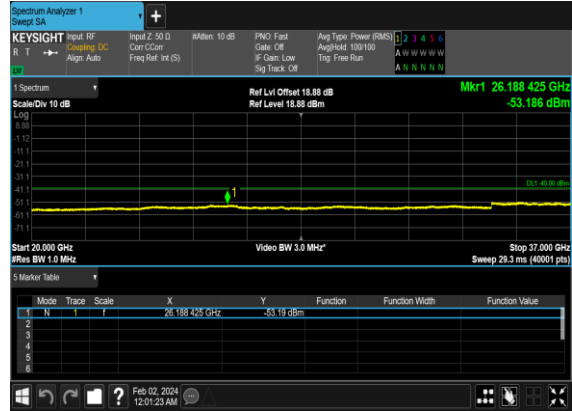
N48(40M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



N48(40M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(40M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(40M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



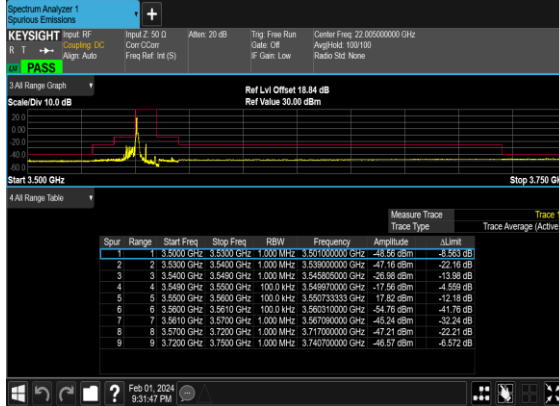
N48(40M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



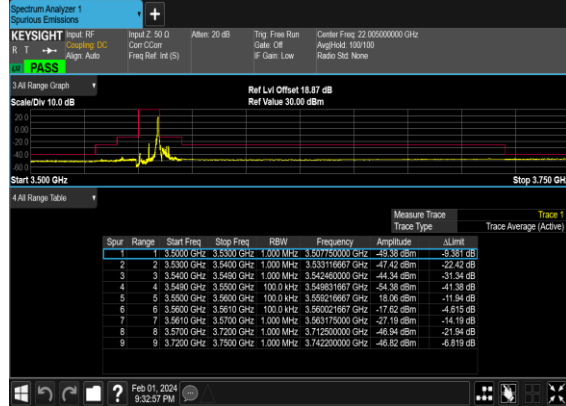
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
48	30	10	637000	3555.0	CP-OFDM QPSK	1@0	see graph	PASS
48	30	10	637000	3555.0	CP-OFDM QPSK	1@23	see graph	PASS
48	30	10	637000	3555.0	CP-OFDM QPSK	24@0	see graph	PASS
48	30	10	641666	3624.99	CP-OFDM QPSK	1@0	see graph	PASS
48	30	10	641666	3624.99	CP-OFDM QPSK	1@23	see graph	PASS
48	30	10	641666	3624.99	CP-OFDM QPSK	24@0	see graph	PASS
48	30	10	646332	3694.98	CP-OFDM QPSK	1@0	see graph	PASS
48	30	10	646332	3694.98	CP-OFDM QPSK	1@23	see graph	PASS
48	30	10	646332	3694.98	CP-OFDM QPSK	24@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 QPSK	1@50	see graph	PASS
48	30	20	637334	3560.01	CP-OFDM QPSK	51@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 QPSK	1@50	see graph	PASS
48	30	20	641666	3624.99	CP-OFDM QPSK	51@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 QPSK	1@50	see graph	PASS
48	30	20	646000	3690.0	CP-OFDM QPSK	51@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 QPSK	1@105	see graph	PASS
48	30	40	638000	3570.0	CP-OFDM QPSK	106@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 QPSK	1@105	see graph	PASS
48	30	40	641666	3624.99	CP-OFDM QPSK	106@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 QPSK	1@105	see graph	PASS
48	30	40	645332	3679.98	CP-OFDM QPSK	106@0	see graph	PASS

N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



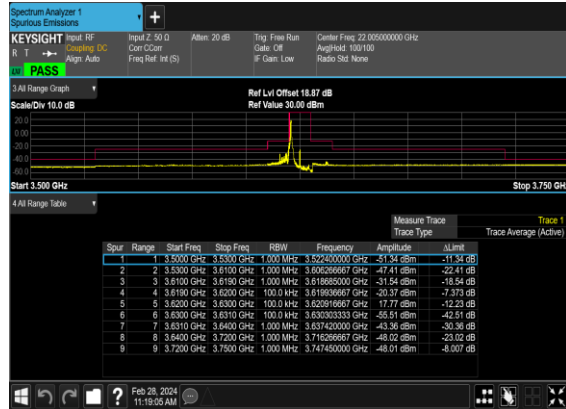
N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH



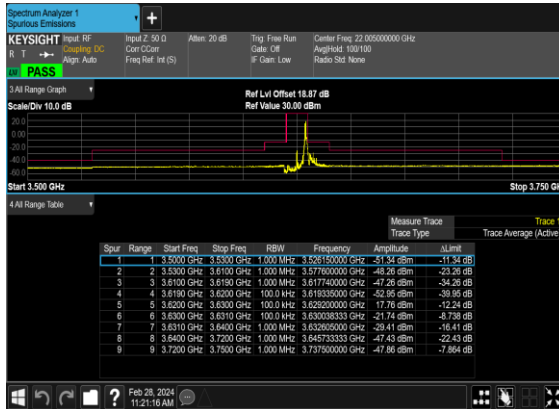
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OFDM_QPSK_Outer_Full_Low_CH



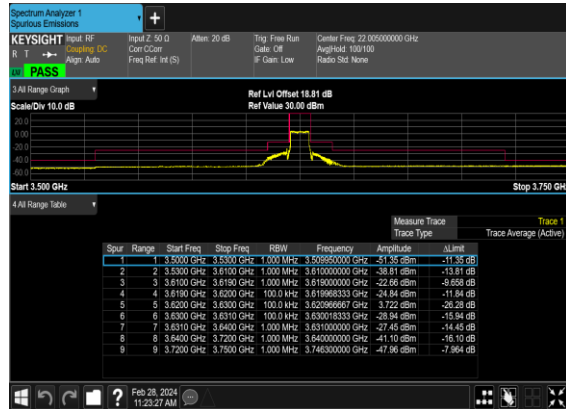
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OFDM_QPSK_Edge_1RB_Left_Mid_CH



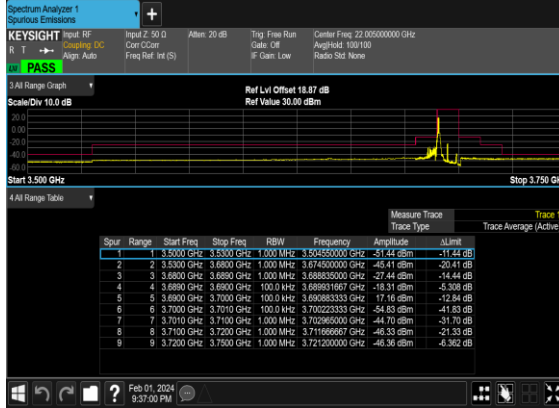
N48(10M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH



N48(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N48(10M)_CP- OFDM_QPSK_Edge_1RB_Left_High_CH



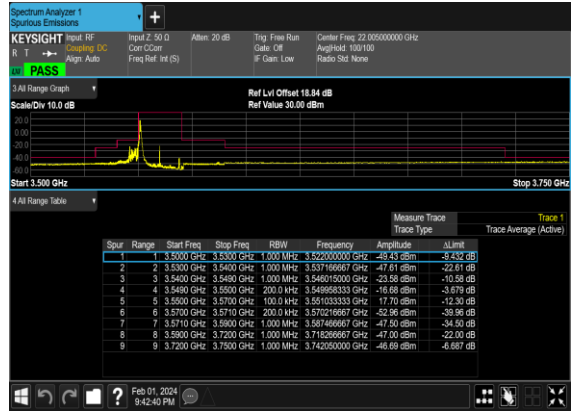
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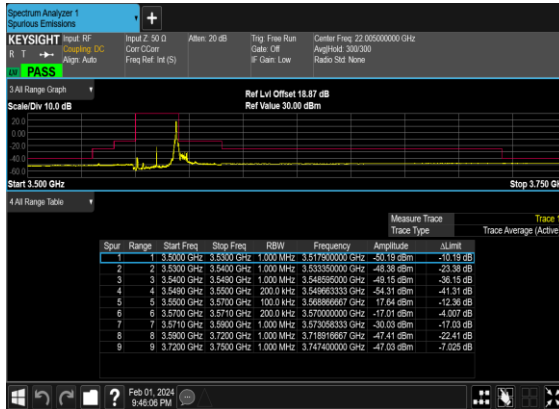
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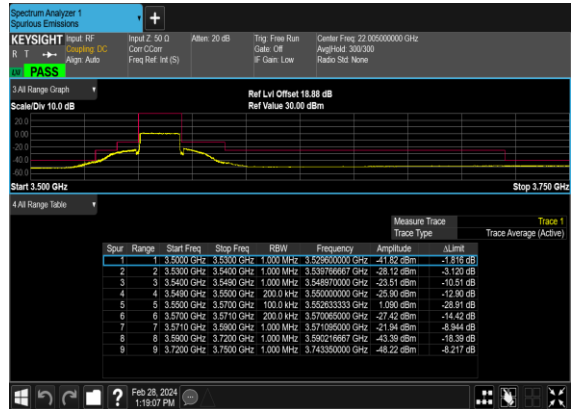
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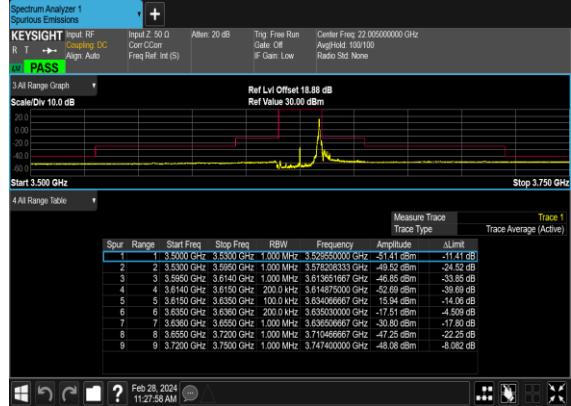
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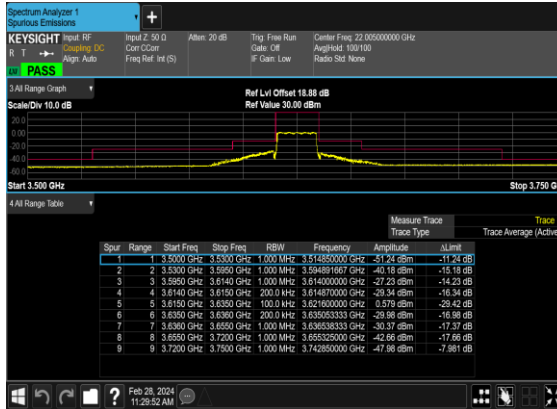
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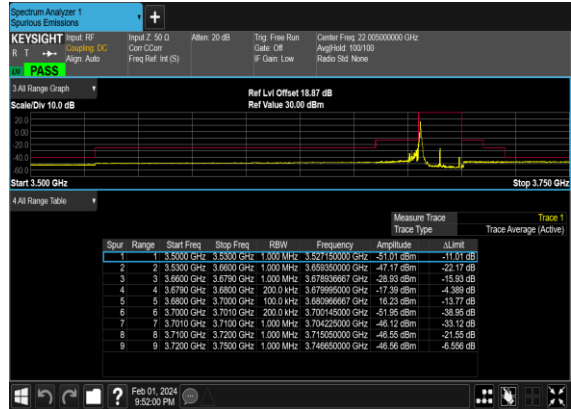
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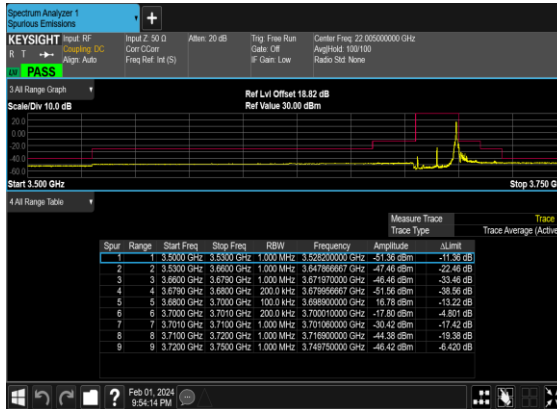
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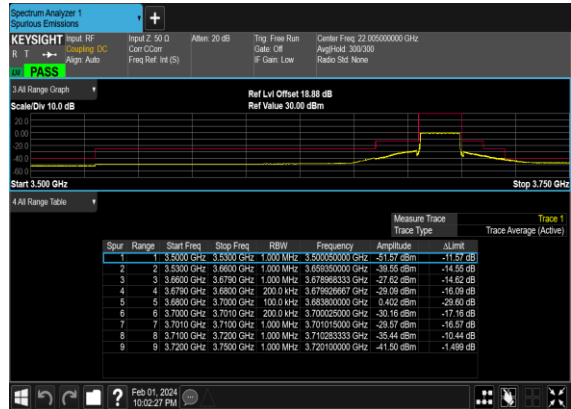
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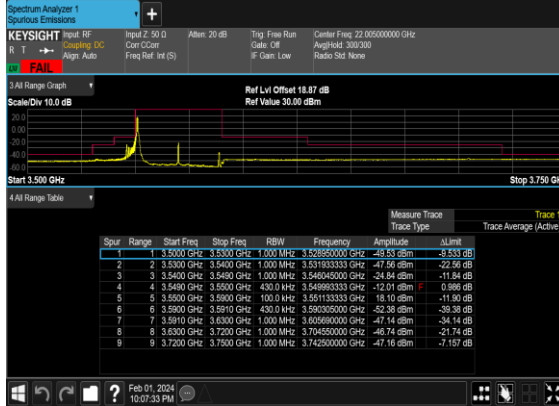
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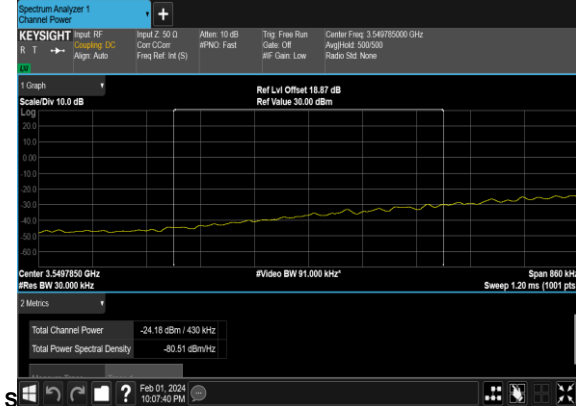
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N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



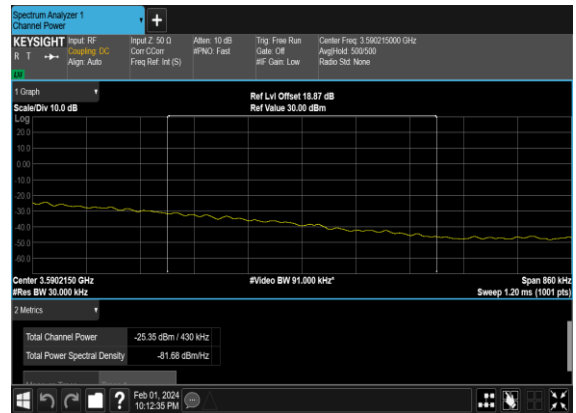
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OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PAS



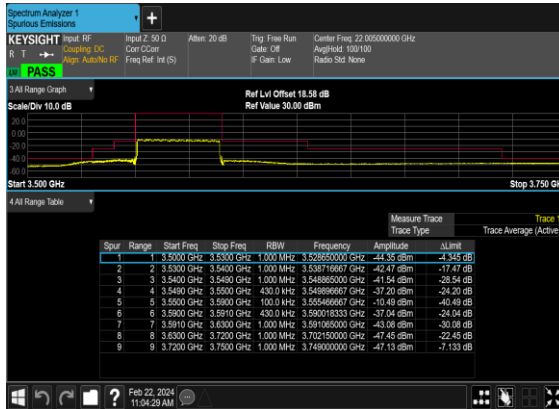
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OFDM_QPSK_Edge_1RB_Right_Low_CH



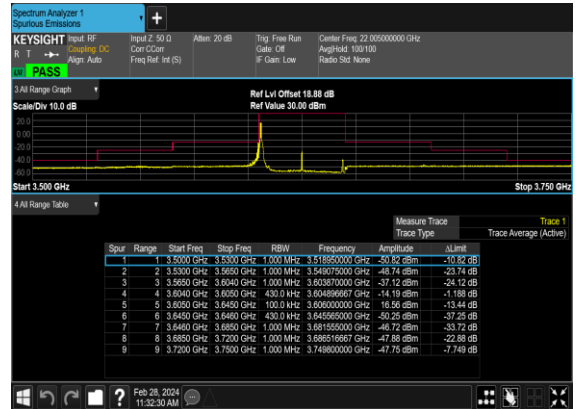
N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Right_Low_CH_CHP_P
ASS



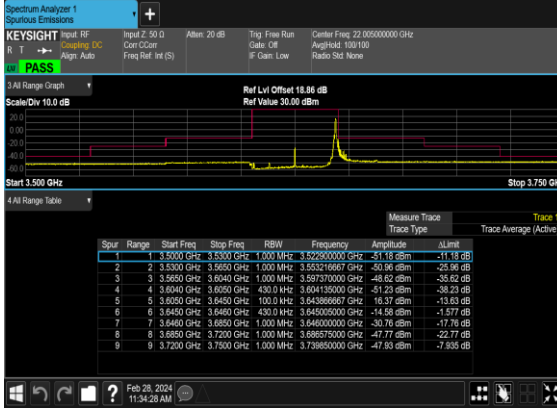
N48(40M)_CP-
OFDM_QPSK_Outer_Full_Low_CH



N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Right_Mid_CH



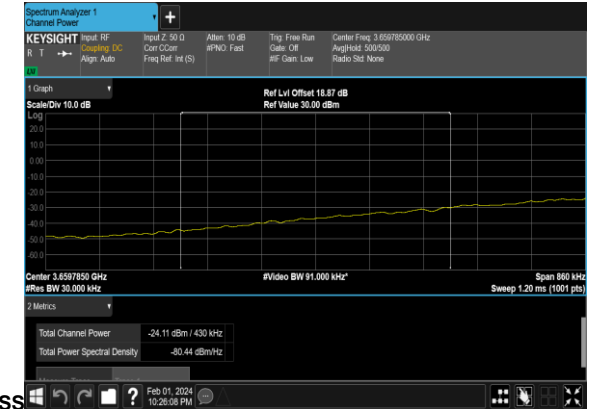
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OFDM_QPSK_Outer_Full_Mid_CH



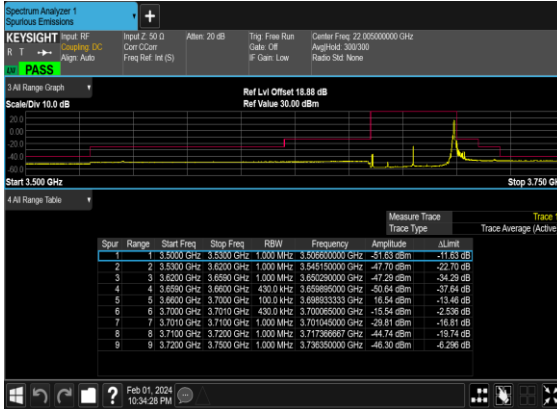
N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



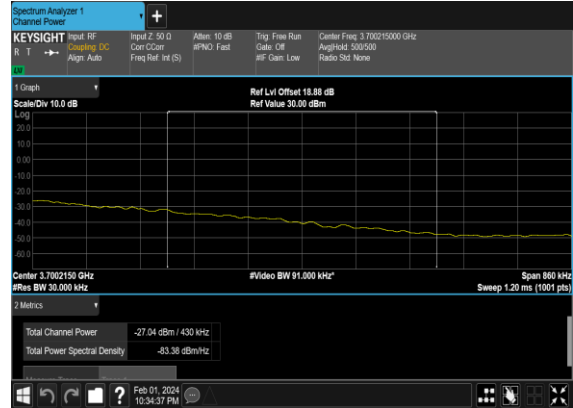
N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH_CHP_PA



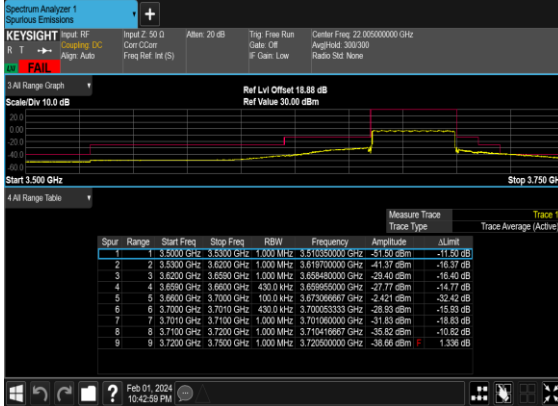
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OFDM_QPSK_Edge_1RB_Right_High_CH



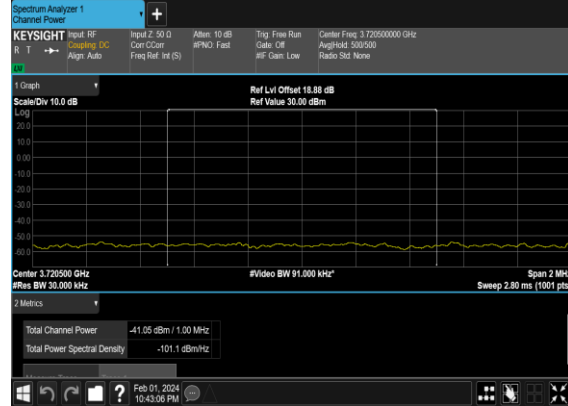
N48(40M)_CP-
OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PA
ASS



N48(40M)_CP- OFDM_QPSK_Outer_Full_High_CH



N48(40M)_CP- OFDM_QPSK_Outer_Full_High_CH_CHP_PASS



Note: for bandedge item, the “CHP” means channel power integration method



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Qingsheng He	Temperature :	22~25°C
		Relative Humidity :	48~52%

RSE Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to perform final test and record in the report.

SA n48 / 40MHz / QPSK / ANT4									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7212.80	-51.03	-40	-11.03	-47.65	-54.33	8.30	11.60	H
	10819.20	-54.01	-40	-14.01	-56.97	-55.53	10.48	12.00	H
	14425.60	-50.25	-40	-10.25	-57.51	-51.95	11.80	13.50	H
	7212.80	-50.30	-40	-10.30	-46.96	-53.60	8.30	11.60	V
	10819.20	-53.99	-40	-13.99	-56.72	-55.51	10.48	12.00	V
	14425.60	-50.16	-40	-10.16	-57.20	-51.86	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

SA n48 UL MIMO / 40MHz / QPSK / ANT4+7									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7212.80	-57.95	-40	-17.95	-54.57	-61.25	8.30	11.60	H
	10819.20	-53.59	-40	-13.59	-56.55	-55.11	10.48	12.00	H
	14425.60	-50.19	-40	-10.19	-57.45	-51.89	11.80	13.50	H
	7212.80	-58.17	-40	-18.17	-54.83	-61.47	8.30	11.60	V
	10819.20	-53.94	-40	-13.94	-56.67	-55.46	10.48	12.00	V
	14425.60	-50.78	-40	-10.78	-57.82	-52.48	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.