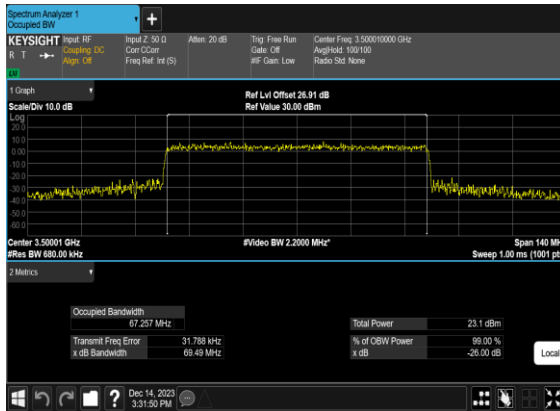
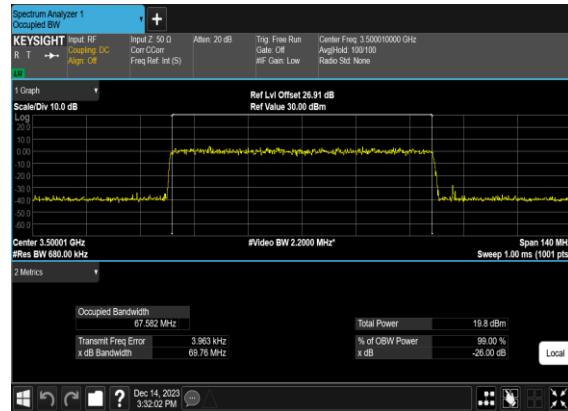


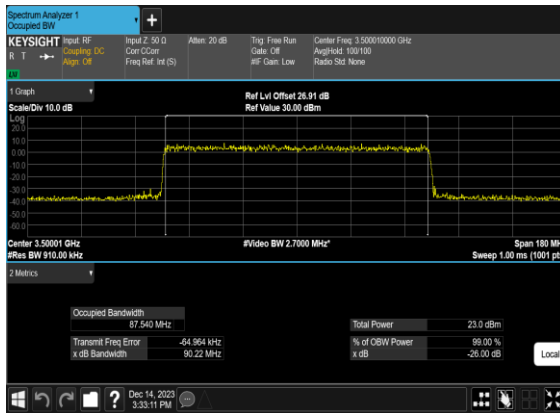
N78(70M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



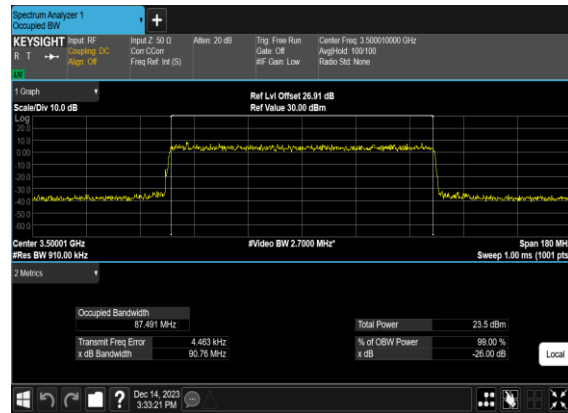
N78(70M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



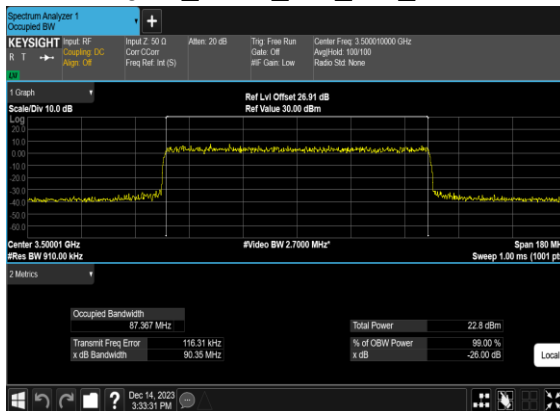
N78(90M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



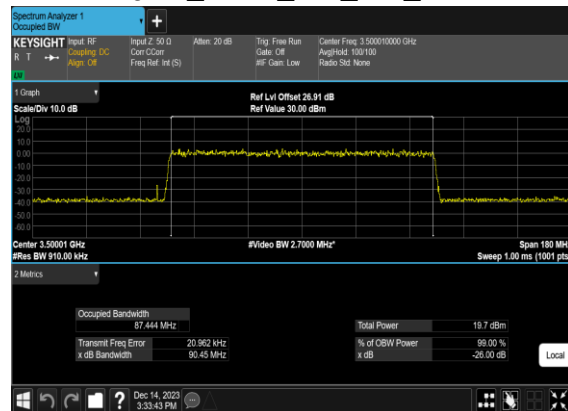
N78(90M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N78(90M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N78(90M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH



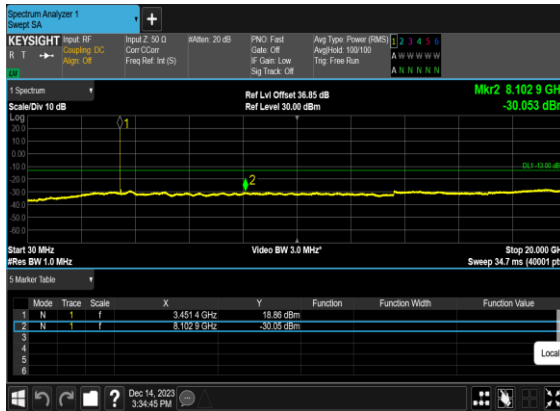
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	50	631668	3475.02	CP-OFDM QPSK	1@0	see graph	---
78	30	50	631668	3475.02	CP-OFDM QPSK	1@0	see graph	PASS
78	30	50	631668	3475.02	CP-OFDM QPSK	1@0	see graph	PASS
78	30	50	631668	3475.02	CP-OFDM 16 QAM	1@0	see graph	---
78	30	50	631668	3475.02	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	50	631668	3475.02	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	50	633334	3500.01	CP-OFDM QPSK	1@0	see graph	---
78	30	50	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
78	30	50	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
78	30	50	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	---
78	30	50	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	50	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	50	635000	3525.0	CP-OFDM QPSK	1@0	see graph	---
78	30	50	635000	3525.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	50	635000	3525.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	50	635000	3525.0	CP-OFDM 16 QAM	1@0	see graph	---
78	30	50	635000	3525.0	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	50	635000	3525.0	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	70	632334	3485.01	CP-OFDM QPSK	1@0	see graph	---
78	30	70	632334	3485.01	CP-OFDM QPSK	1@0	see graph	PASS
78	30	70	632334	3485.01	CP-OFDM QPSK	1@0	see graph	PASS
78	30	70	632334	3485.01	CP-OFDM 16 QAM	1@0	see graph	---

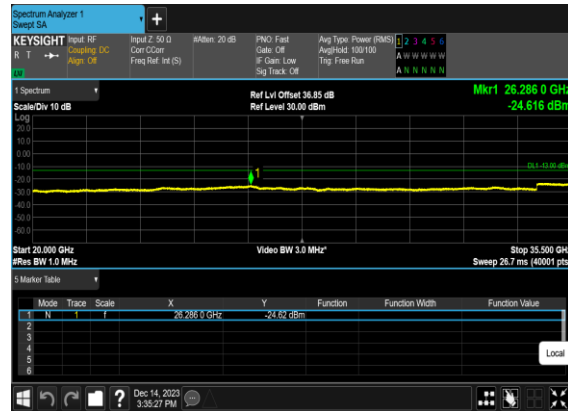
78	30	70	632334	3485.01	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	70	632334	3485.01	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	70	633334	3500.01	CP-OFDM QPSK	1@0	see graph	---
78	30	70	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
78	30	70	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
78	30	70	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	---
78	30	70	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	70	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	70	634332	3514.98	CP-OFDM QPSK	1@0	see graph	---
78	30	70	634332	3514.98	CP-OFDM QPSK	1@0	see graph	PASS
78	30	70	634332	3514.98	CP-OFDM QPSK	1@0	see graph	PASS
78	30	70	634332	3514.98	CP-OFDM 16 QAM	1@0	see graph	---
78	30	70	634332	3514.98	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	70	634332	3514.98	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	90	633000	3495.0	CP-OFDM QPSK	1@0	see graph	---
78	30	90	633000	3495.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	90	633000	3495.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	90	633000	3495.0	CP-OFDM 16 QAM	1@0	see graph	---
78	30	90	633000	3495.0	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	90	633000	3495.0	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	90	633334	3500.01	CP-OFDM QPSK	1@0	see graph	---
78	30	90	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
78	30	90	633334	3500.01	CP-OFDM QPSK	1@0	see graph	PASS
78	30	90	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	---
78	30	90	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS

78	30	90	633334	3500.01	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	90	633666	3504.99	CP-OFDM QPSK	1@0	see graph	---
78	30	90	633666	3504.99	CP-OFDM QPSK	1@0	see graph	PASS
78	30	90	633666	3504.99	CP-OFDM QPSK	1@0	see graph	PASS
78	30	90	633666	3504.99	CP-OFDM 16 QAM	1@0	see graph	---
78	30	90	633666	3504.99	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	90	633666	3504.99	CP-OFDM 16 QAM	1@0	see graph	PASS

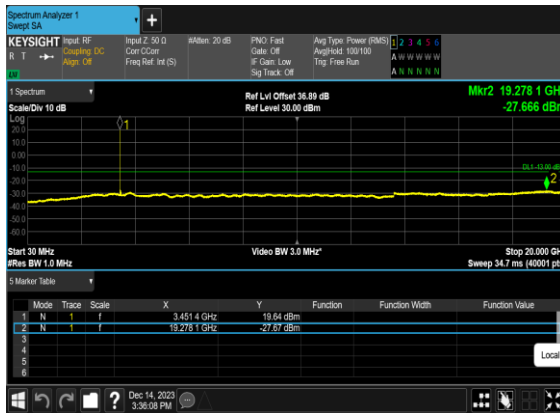
N78(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



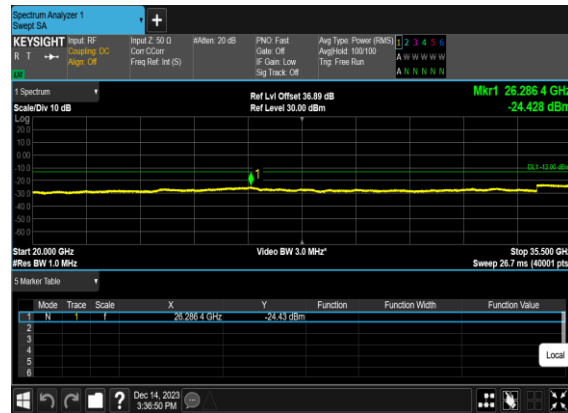
N78(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



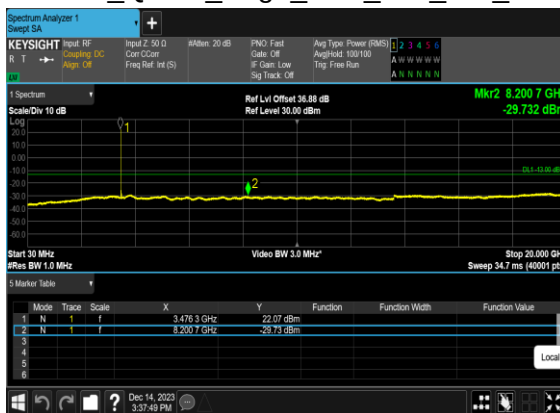
N78(50M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



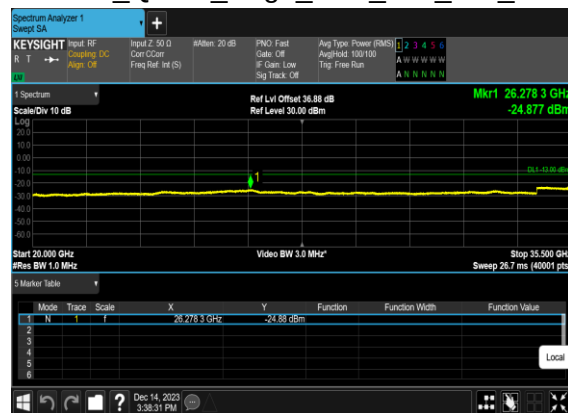
N78(50M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



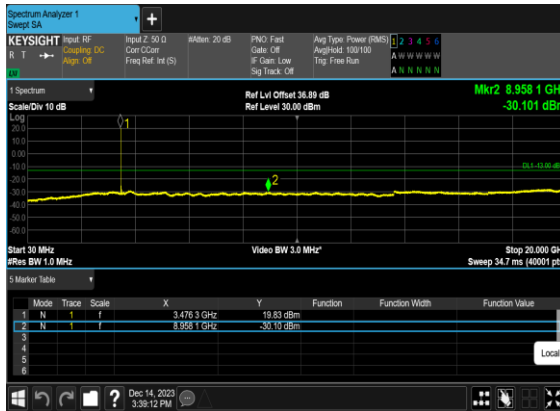
N78(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



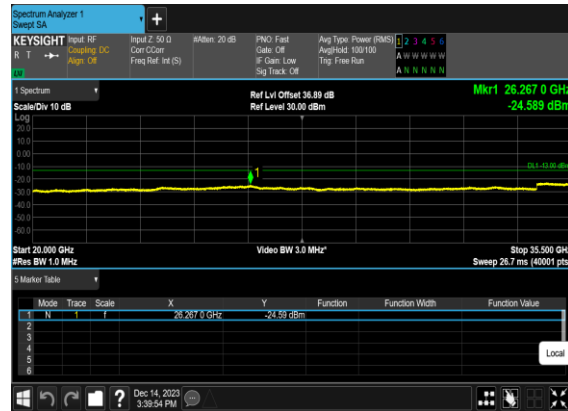
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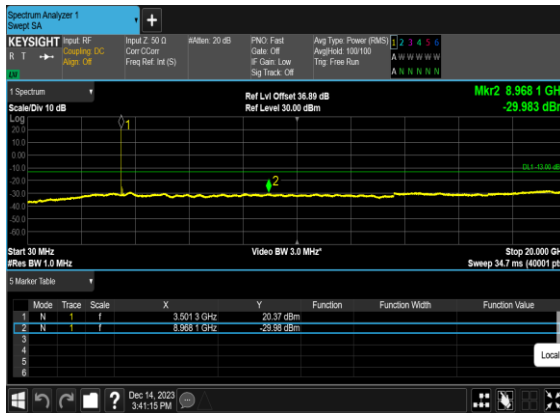
N78(50M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH



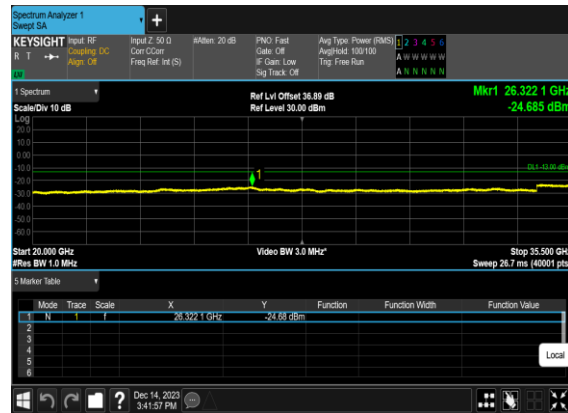
N78(50M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH



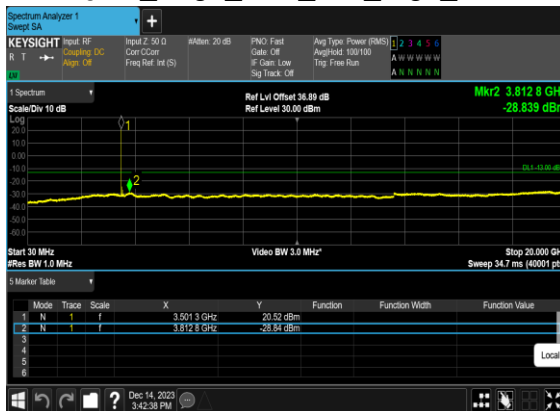
N78(50M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



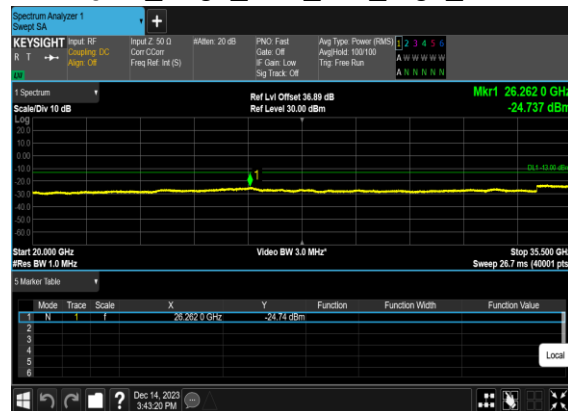
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OFDM_QPSK_Edge_1RB_Left_High_CH



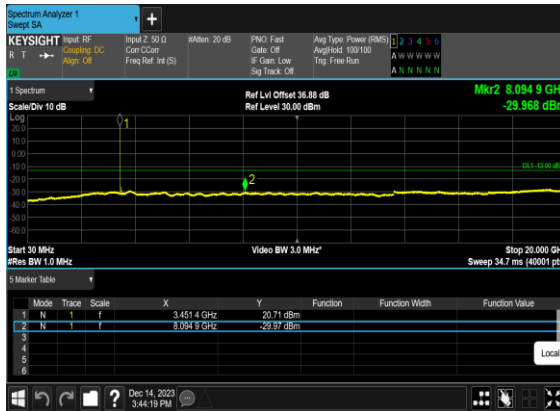
N78(50M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH



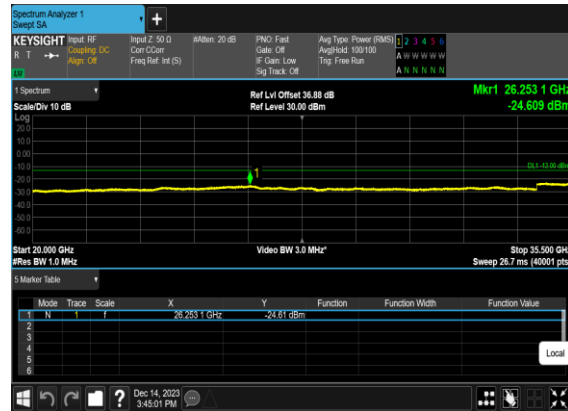
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QAM_Edge_1RB_Left_High_CH



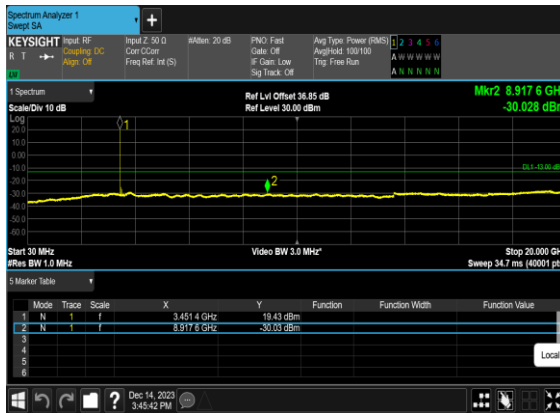
N78(70M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



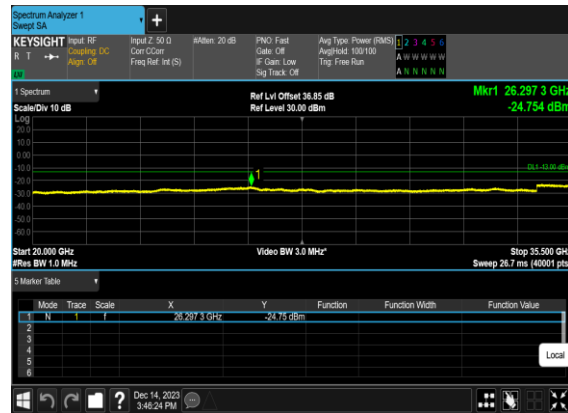
N78(70M)_CP-
OFDM_QPSK_Edge_1RB_Left_Low_CH



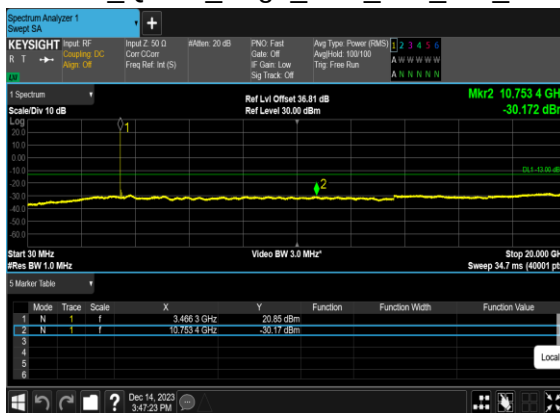
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QAM_Edge_1RB_Left_Low_CH



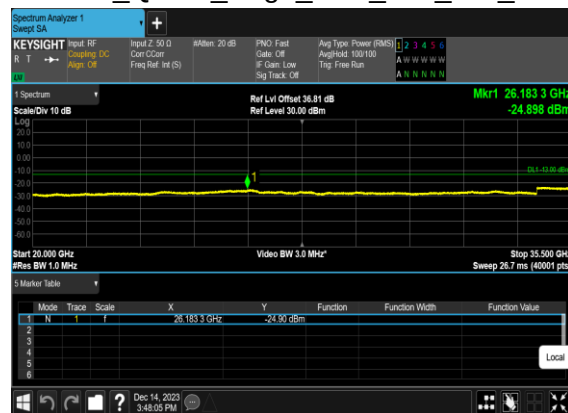
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QAM_Edge_1RB_Left_Low_CH



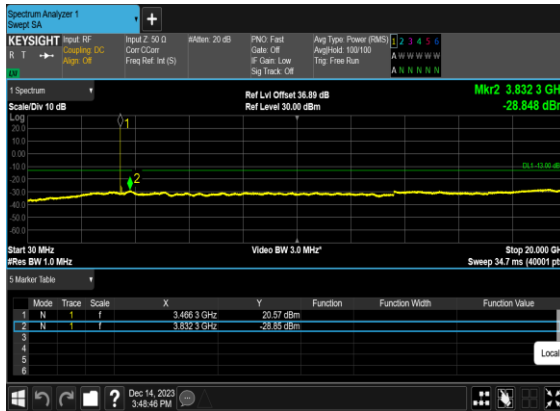
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OFDM_QPSK_Edge_1RB_Left_Mid_CH



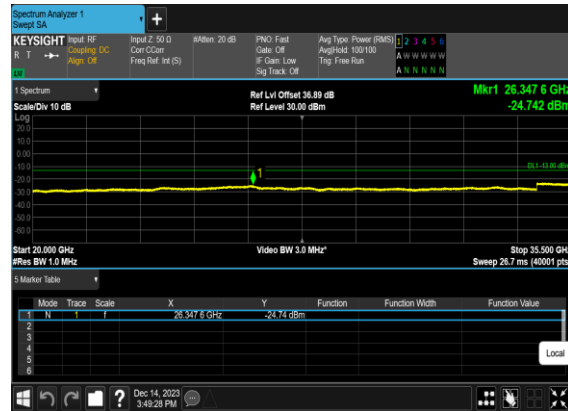
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OFDM_QPSK_Edge_1RB_Left_Mid_CH



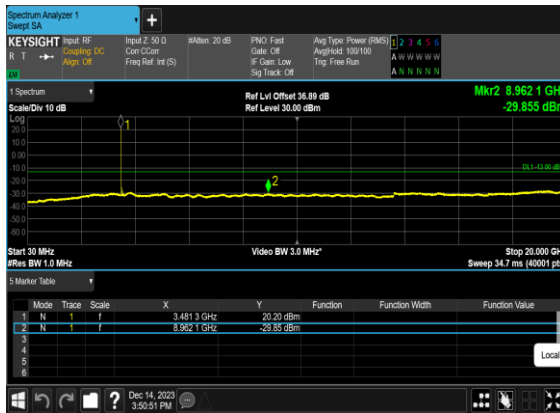
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QAM_Edge_1RB_Left_Mid_CH



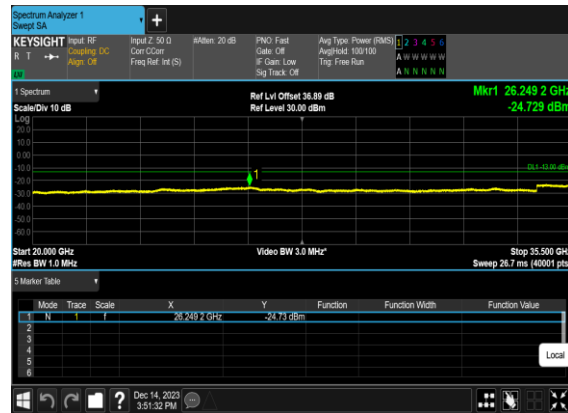
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QAM_Edge_1RB_Left_Mid_CH



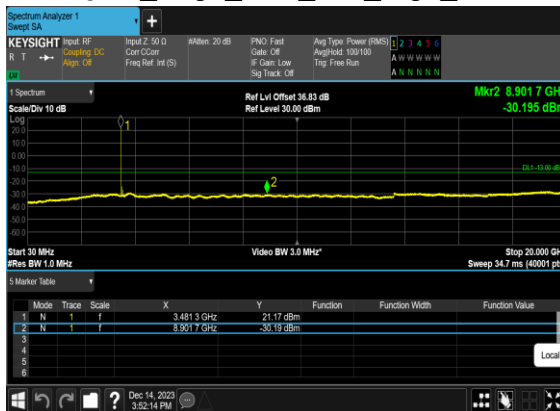
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OFDM_QPSK_Edge_1RB_Left_High_CH



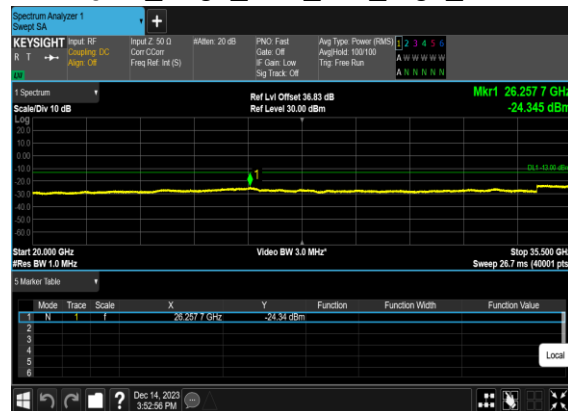
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OFDM_QPSK_Edge_1RB_Left_High_CH



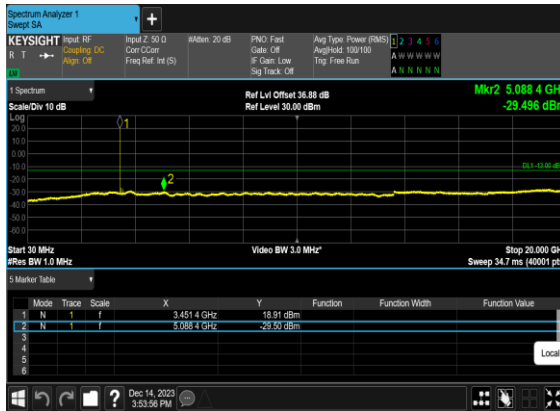
N78(70M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH



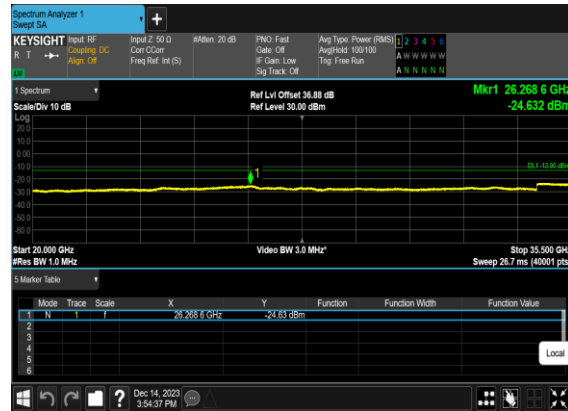
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QAM_Edge_1RB_Left_High_CH



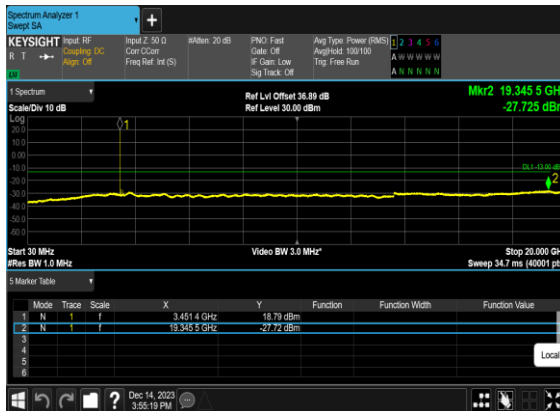
N78(90M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



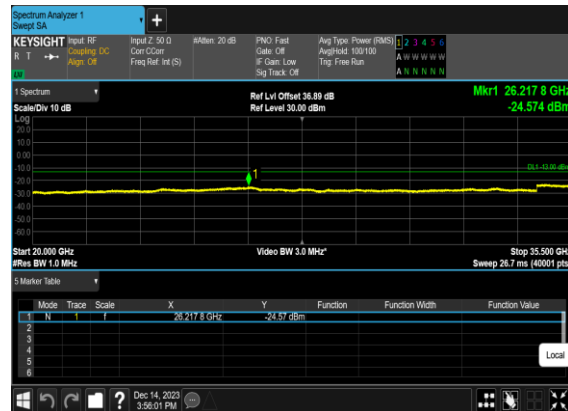
N78(90M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



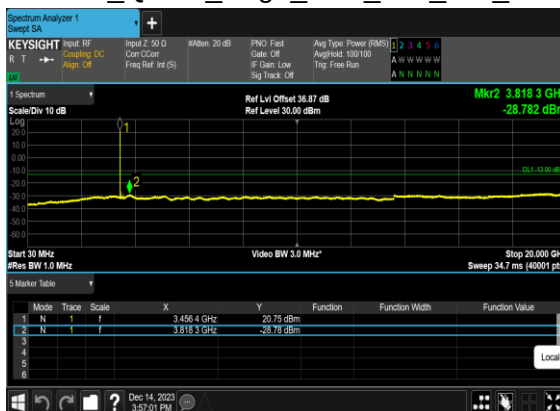
N78(90M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



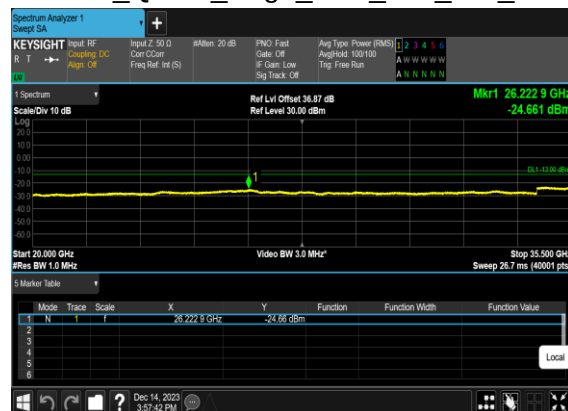
N78(90M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



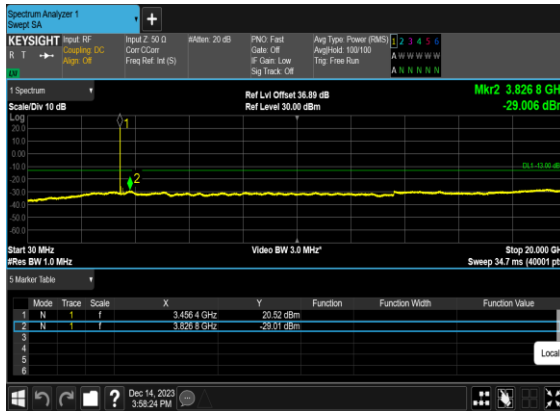
N78(90M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



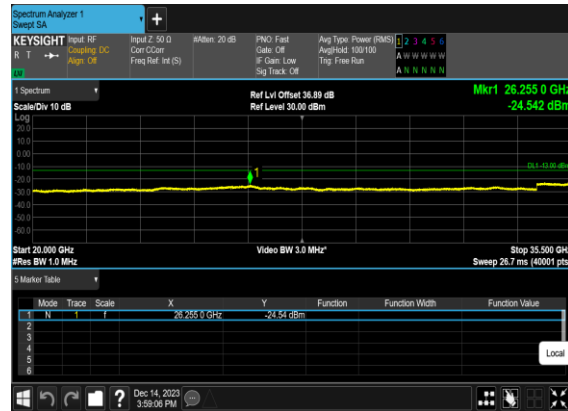
N78(90M)_CP- OFDM_QPSK_Edge_1RB_Left_Mid_CH



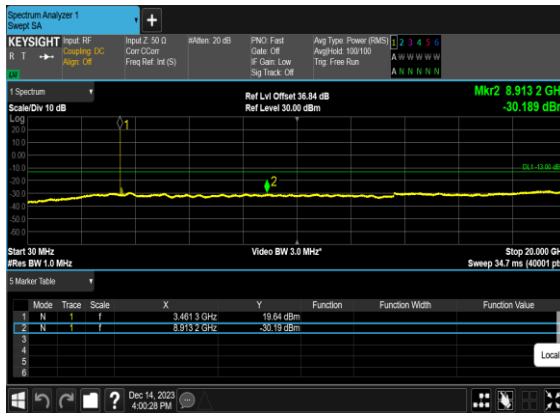
N78(90M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH



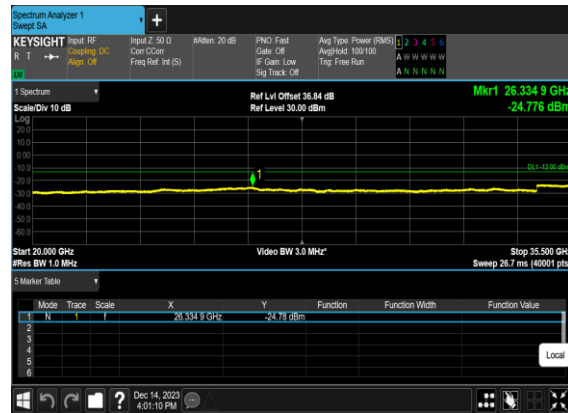
N78(90M)_CP-OFDM_16
QAM_Edge_1RB_Left_Mid_CH



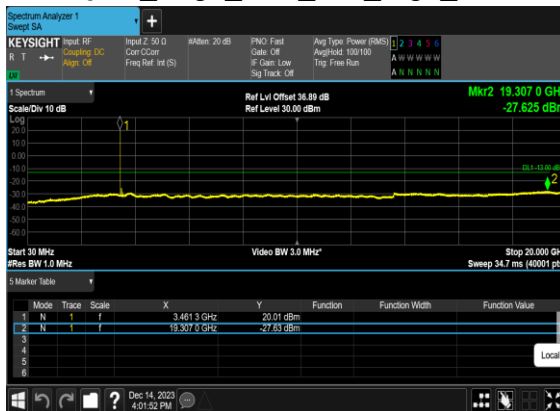
N78(90M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



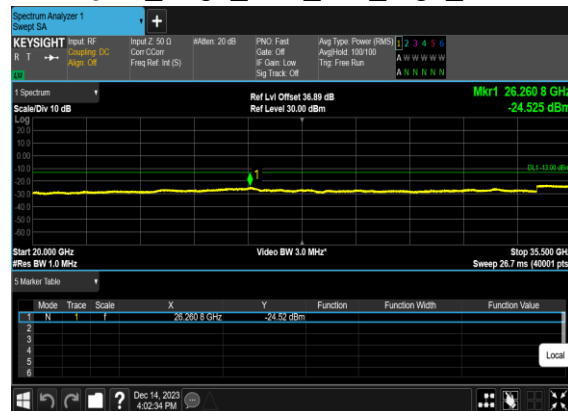
N78(90M)_CP-
OFDM_QPSK_Edge_1RB_Left_High_CH



N78(90M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH



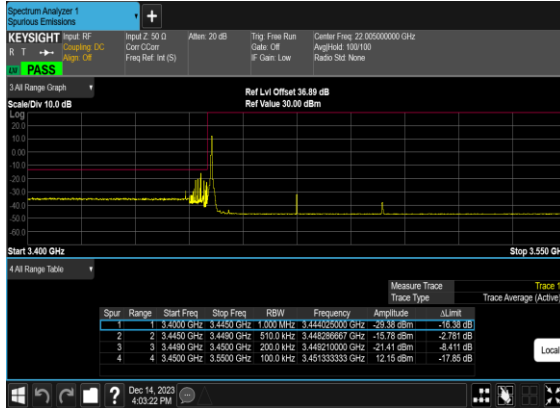
N78(90M)_CP-OFDM_16
QAM_Edge_1RB_Left_High_CH



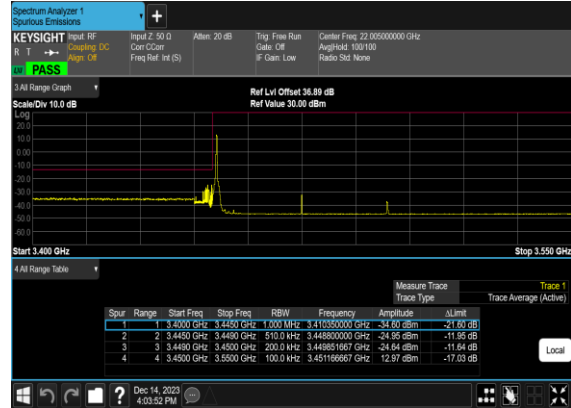
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	50	631668	3475.02	CP-OFDM QPSK	1@0	see graph	PASS
78	30	50	631668	3475.02	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	50	631668	3475.02	CP-OFDM QPSK	133@0	see graph	PASS
78	30	50	631668	3475.02	CP-OFDM 16 QAM	133@0	see graph	PASS
78	30	50	635000	3525.0	CP-OFDM QPSK	1@132	see graph	PASS
78	30	50	635000	3525.0	CP-OFDM 16 QAM	1@132	see graph	PASS
78	30	50	635000	3525.0	CP-OFDM QPSK	133@0	see graph	PASS
78	30	50	635000	3525.0	CP-OFDM 16 QAM	133@0	see graph	PASS
78	30	70	632334	3485.01	CP-OFDM QPSK	1@0	see graph	PASS
78	30	70	632334	3485.01	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	70	632334	3485.01	CP-OFDM QPSK	189@0	see graph	PASS
78	30	70	632334	3485.01	CP-OFDM 16 QAM	189@0	see graph	PASS
78	30	70	634332	3514.98	CP-OFDM QPSK	1@188	see graph	PASS
78	30	70	634332	3514.98	CP-OFDM 16 QAM	1@188	see graph	PASS
78	30	70	634332	3514.98	CP-OFDM QPSK	189@0	see graph	PASS
78	30	70	634332	3514.98	CP-OFDM 16 QAM	189@0	see graph	PASS
78	30	90	633000	3495.0	CP-OFDM QPSK	1@0	see graph	PASS
78	30	90	633000	3495.0	CP-OFDM 16 QAM	1@0	see graph	PASS
78	30	90	633000	3495.0	CP-OFDM QPSK	245@0	see graph	PASS
78	30	90	633000	3495.0	CP-OFDM 16 QAM	245@0	see graph	PASS
78	30	90	633666	3504.99	CP-OFDM QPSK	1@244	see graph	PASS
78	30	90	633666	3504.99	CP-OFDM 16 QAM	1@244	see graph	PASS
78	30	90	633666	3504.99	CP-OFDM QPSK	245@0	see graph	PASS
78	30	90	633666	3504.99	CP-OFDM 16 QAM	245@0	see graph	PASS

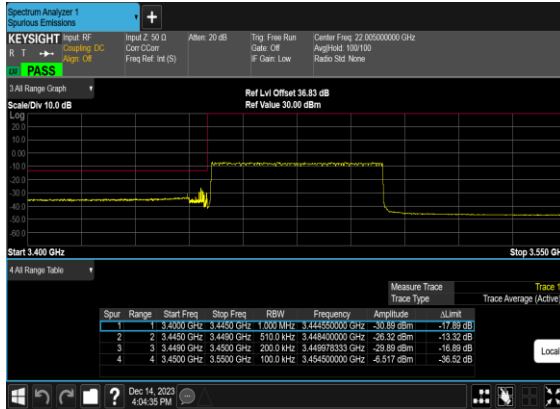
N78(50M)_CP- OFDM_QPSK_Edge_1RB_Left_Low_CH



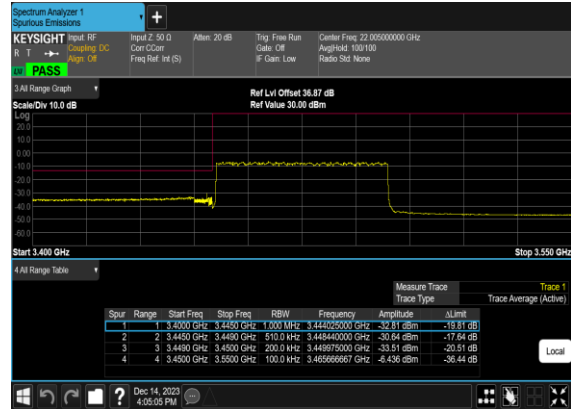
N78(50M)_CP-OFDM_16 QAM_Edge_1RB_Left_Low_CH



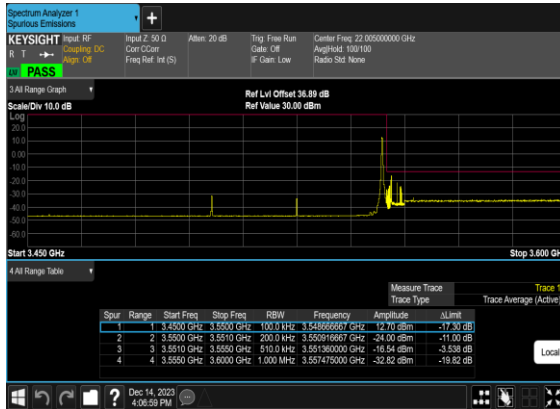
N78(50M)_CP- OFDM_QPSK_Outer_Full_Low_CH



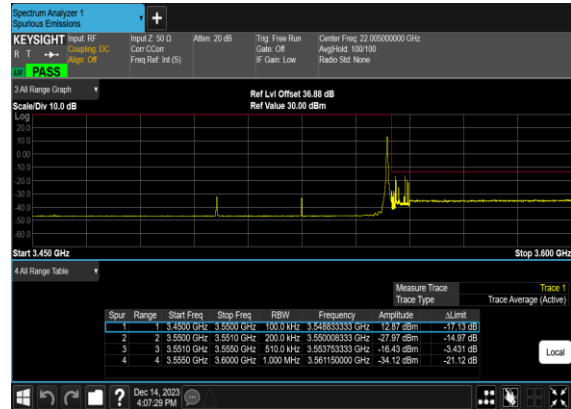
N78(50M)_CP-OFDM_16 QAM_Outer_Full_Low_CH



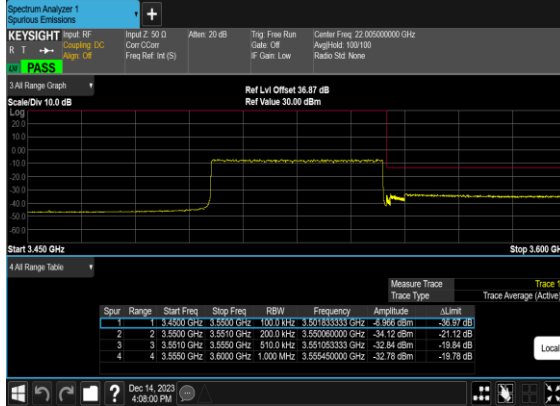
N78(50M)_CP- OFDM_QPSK_Edge_1RB_Right_High_CH



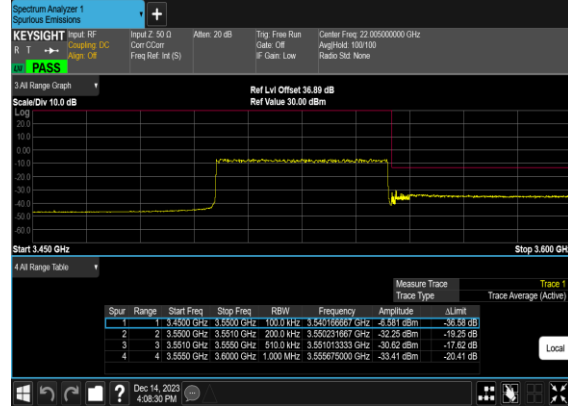
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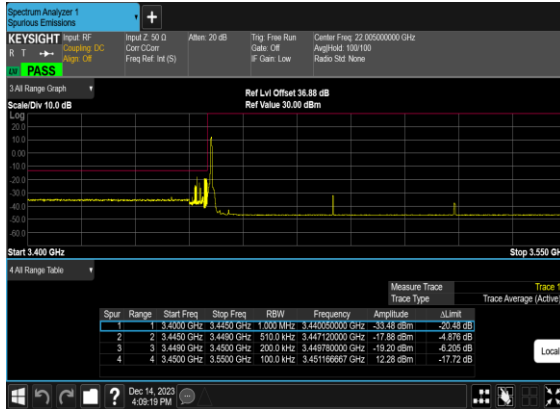
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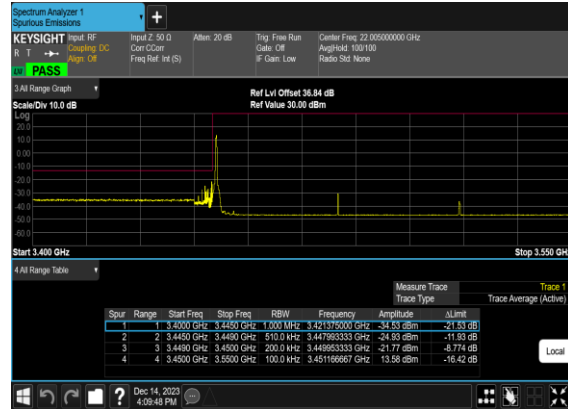
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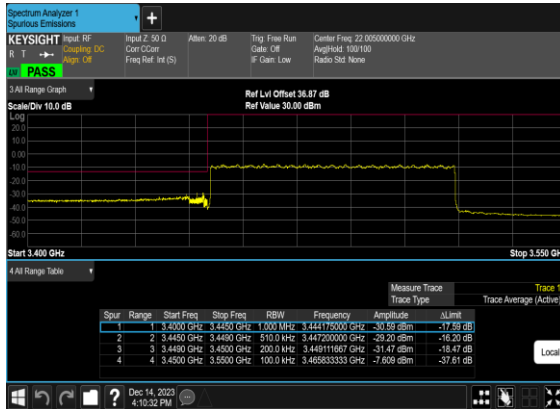
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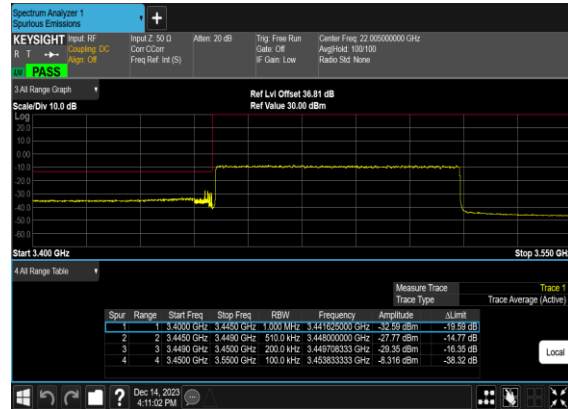
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N78(70M)_CP- OFDM_QPSK_Outer_Full_Low_CH



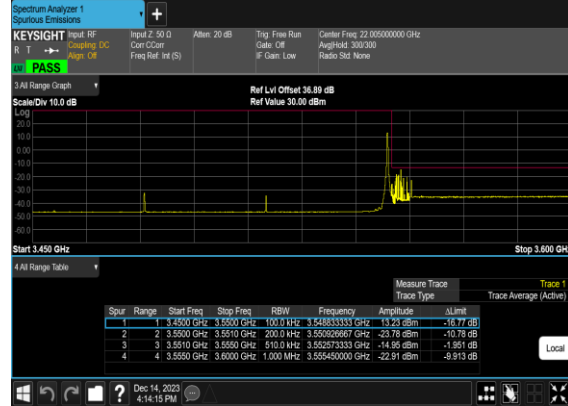
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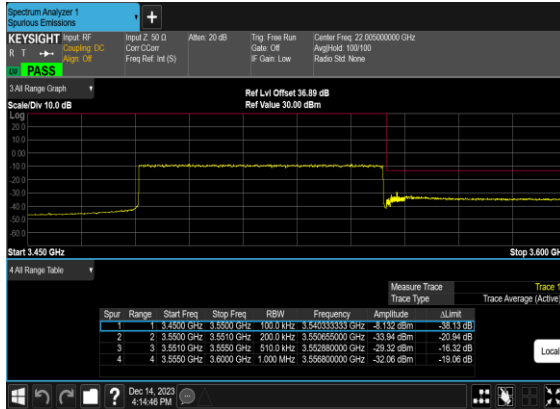
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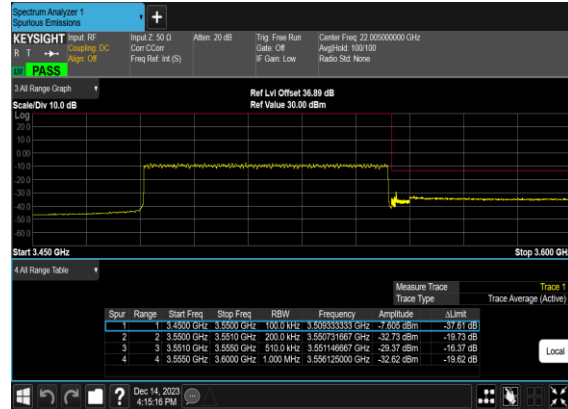
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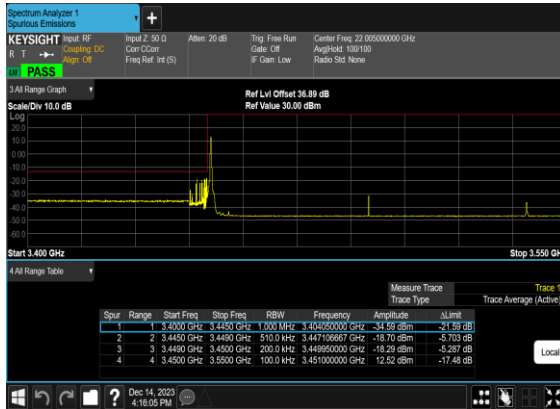
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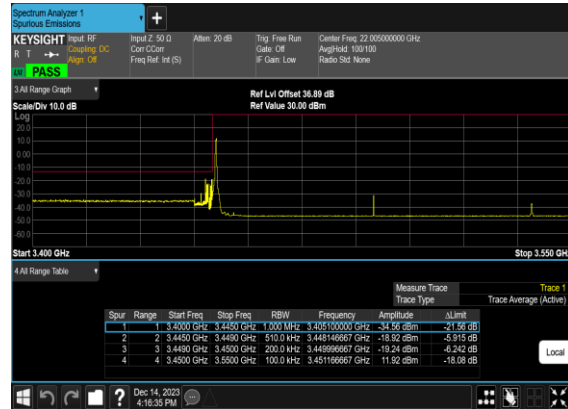
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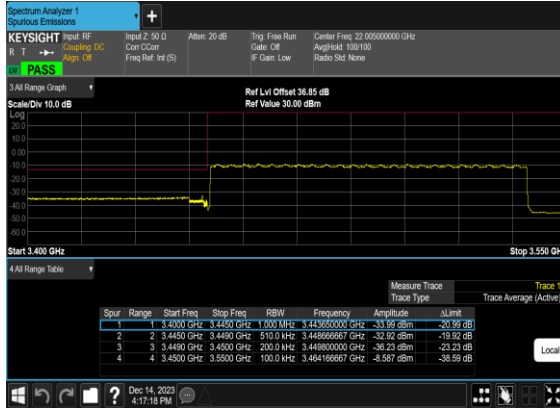
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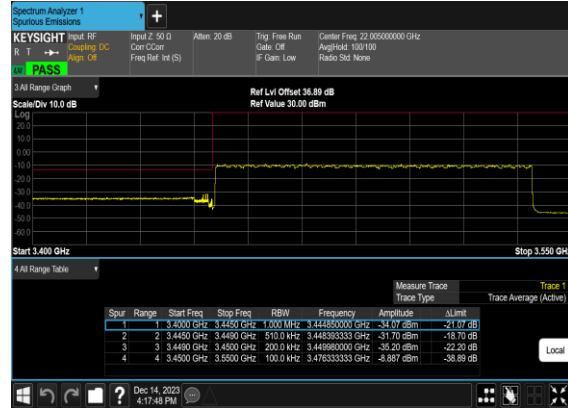
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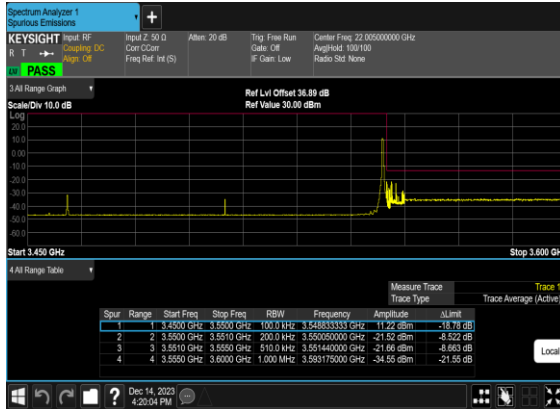
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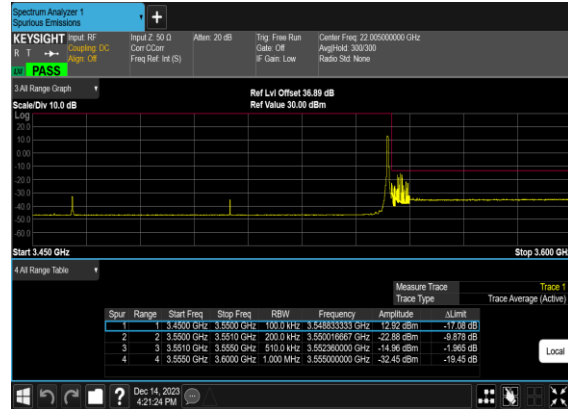
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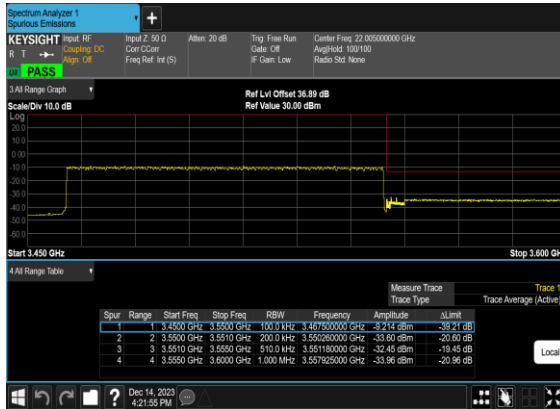
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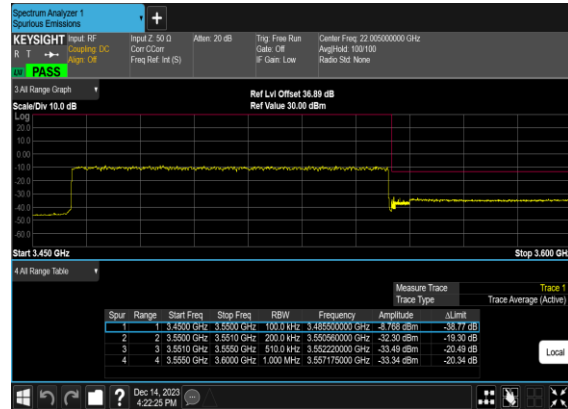
N78(90M)_CP-OFDM_16 QAM_Edge_1RB_Right_High_CH



N78(90M)_CP- OFDM_QPSK_Outer_Full_High_CH



N78(90M)_CP-OFDM_16 QAM_Outer_Full_High_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Shiwei Wen	Temperature :	23~25°C
		Relative Humidity :	41~42%

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

SA n77 / NR 100MHz / QPSK / ANT5								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-61.88	-13	-48.88	-72.09	3.03	13.24	H
	10368	-60.06	-13	-47.06	-69.51	3.56	13.01	H
	13824	-59.35	-13	-46.35	-68.87	3.92	13.44	H
	6912	-61.68	-13	-48.68	-71.89	3.03	13.24	V
	10368	-59.66	-13	-46.66	-69.11	3.56	13.01	V
	13824	-58.98	-13	-45.98	-68.50	3.92	13.44	V

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

EN-DC_66A_n77A / LTE 10MHz + NR 100MHz / QPSK / ANT0 (LTE) & ANT5(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-61.59	-13	-48.59	-71.80	3.03	13.24	H
	10368	-59.37	-13	-46.37	-68.82	3.56	13.01	H
	13824	-58.64	-13	-45.64	-68.16	3.92	13.44	H
	6912	-61.50	-13	-48.50	-71.71	3.03	13.24	V
	10368	-59.80	-13	-46.80	-69.25	3.56	13.01	V
	13824	-58.94	-13	-45.94	-68.46	3.92	13.44	V

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

SA n77 UL_MIMO / NR 100MHz / QPSK / ANT8+5								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6912	-61.91	-13	-48.91	-72.12	3.03	13.24	H
	10368	-59.54	-13	-46.54	-68.99	3.56	13.01	H
	13824	-58.11	-13	-45.11	-67.63	3.92	13.44	H
	6912	-61.22	-13	-48.22	-71.43	3.03	13.24	V
	10368	-59.03	-13	-46.03	-68.48	3.56	13.01	V
	13824	-59.06	-13	-46.06	-68.58	3.92	13.44	V

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